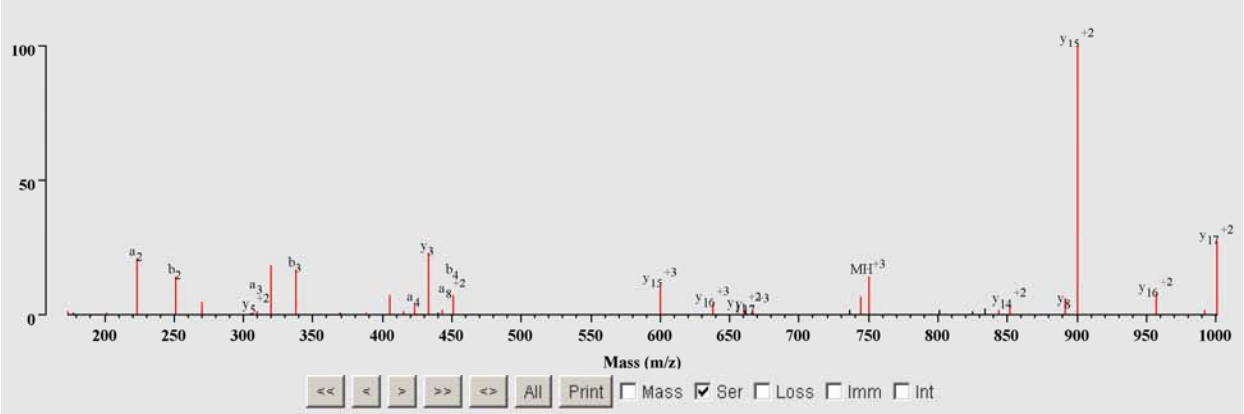
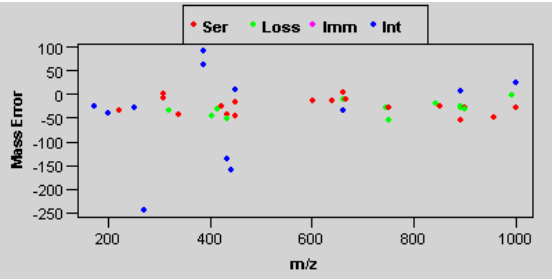
SYSIPEDHEDWASNGEEER^{+3}



Max Intensity: **66.7**
Num Matched: **30/37 (18.9% unmatched)** Matched Intensity: **96.9%** Matched Series Intensity: **96.6%**



Sequence: SYSIPEDHEDWASNGEEER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C94 H133 N26 O39

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2251.2547	2249.9218	1126.1310	1125.4645	751.0898	750.6454

[–] Peak Matches

173.1240	178.0839	201.1151	223.1000	251.0959	270.1151	310.1378	320.1133	338.1200	369.1795
SI-28(-26)		SI(-41)	YS-28(-35) a_2(-35)	b_2(-27) YS(-27)	SIP-28(-245)	y_5^{+2}(0.21) a_3(-6.3)	b_3-H_2O(-34)	b_3(-43)	
388.1707	**405.1942**	**415.1801**	**423.2135**	**433.1853**	**440.2099**	**443.1576**	**451.1986**	**600.5667**	**638.2599**
EEE(92) SNGE(63)	a_4-H_2O(-47)	y_3-H_2O(-32)	a_4(-24)	y_3(-43) b_4-H_2O(-53) YSIP-28(-137)		YSIP-H_2O(-161)	PEDH-28(11) a_8^{+2}(-17) b_4(-45)	y_{15}^{+3}(-14)	y_{16}^{+3}(-15)
661.2706	**667.2734**	**736.7832**	**744.6209**	**750.2665**	**750.6243**	**801.2754**	**825.3685**	**834.2832**	**843.3035**
y_{11}^{+2}(3.6) y_{17}-H_2O^{+3}(-9.4) SIPEDH-H_2O(-35)	y_{17}^{+3}(-10)		MH-H_2O^{+3}(-28)	b_{13}-H_2O^{+2}(-54)	MH^{+3}(-28)				y_{14}-NH_3^{+2}(-19)
851.8115	**891.3322**	**891.8211**	**900.3341**	**956.8549**	**991.9014**	**1000.3874**			
y_{14}^{+2}(-25)	PEDHEDW-H_2O(6.1) y_{15}-H_2O^{+2}(-24) y_8(-54)	y_{15}-NH_3^{+2}(-27)	y_{15}^{+2}(-27) b_{16}-H_2O^{+2}(-30)	y_{16}^{+2}(-48)	y_{17}-NH_3^{+2}(-2.2)	DWASNGEEE-H_2O(23) EDWASNGEE-H_2O(23) y_{17}^{+2}(-29)			

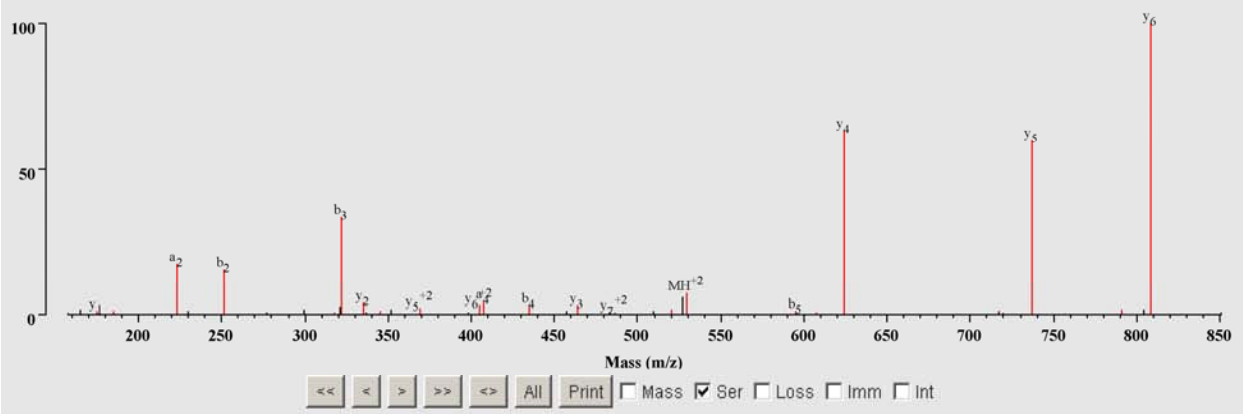
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	19	---	---
251.1026	---	2	Y	18	2162.8897	1081.9485
338.1347	---	3	S	17	1999.8264	1000.4168
451.2187	---	4	I	16	1912.7944	956.9008
548.2715	---	5	P	15	1799.7103	900.3588
677.3141	---	6	E	14	1702.6576	851.8324
792.3410	---	7	D	13	1573.6150	787.3111
929.3999	465.2036	8	H	12	1458.5880	729.7977
1058.4425	529.7249	9	E	11	1321.5291	661.2682
1173.4695	587.2384	10	D	10	1192.4865	596.7469
1359.5488	680.2780	11	W	9	1077.4596	539.2334
1430.5859	715.7966	12	A	8	891.3803	446.1938
1517.6179	759.3126	13	S	7	820.3432	410.6752
1631.6609	816.3341	14	N	6	733.3111	367.1592

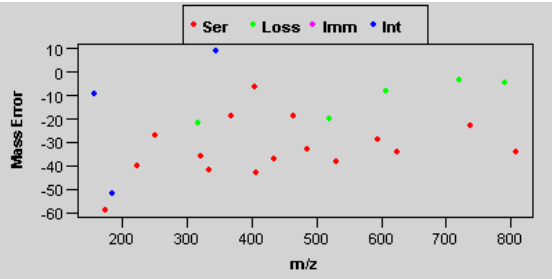
1688.6823	844.8448	15	**G**	5	619.2682	310.1377
1817.7249	909.3661	16	**E**	4	562.2467	281.6270
1946.7675	973.8874	17	**E**	3	433.2041	217.1057
2075.8101	1038.4087	18	**E**	2	304.1615	152.5844
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALC(Carbamidomethyl)EC(Carbamidomethyl)R^{+2}



Max Intensity: **19.7**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **92.2%** Matched Series Intensity: **92.4%**



Sequence: SYALC(Carbamidomethyl)EC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C42 H68 N13 O15 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1058.8845	1058.4394	529.9460	529.7233

[–] **Peak Matches**

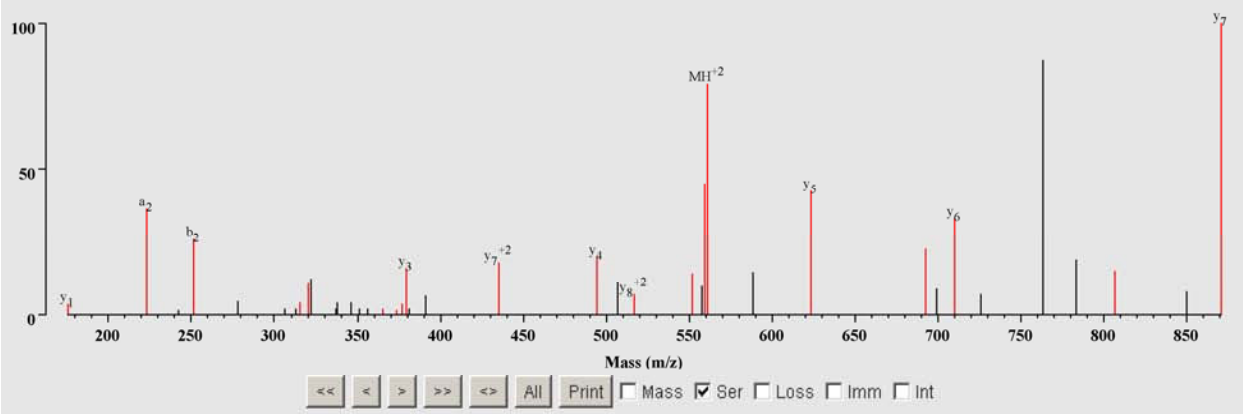
157.1321	**165.0702**	**175.1087**	**185.1188**	**223.0989**	**230.1332**	**251.0958**	**277.1128**	**299.1390**	**318.1162**
AL-28(-9.2)		y_1(-59)	AL(-52)	a_2(-40)		b_2(-27)			y_2-NH$_3$(-22)
321.1232	**322.1281**	**335.1354**	**337.0911**	**345.1622**	**352.0473**	**369.1499**	**398.0571**	**404.6730**	**407.2113**
	b_3(-36)	y_2(-42)		ALC(Carbamidomethyl)(9.0)		y_5^{+2}(-19)		y_6^{+2}(-6.5)	a_4(-43)
435.2076	**457.2355**	**464.1836**	**483.1510**	**486.1912**	**509.2765**	**520.7078**	**527.2401**	**529.2916**	**529.7033**
b_4(-37)		y_3(-19)		y_7^{+2}(-33)		MH-H$_2$O^{+2}(-20)			MH^{+2}(-38)
595.2370	**607.1914**	**624.2019**	**717.3128**	**719.2940**	**737.2902**	**791.3136**	**804.4247**	**808.3166**	**850.3779**
b_5(-29)	y_4-NH$_3$(-8.1)	y_4(-34)		y_5-H$_2$O(-3.3)	y_5(-23)	y_6-NH$_3$(-4.9)		y_6(-34)	

[–] **Main Sequence Ions**

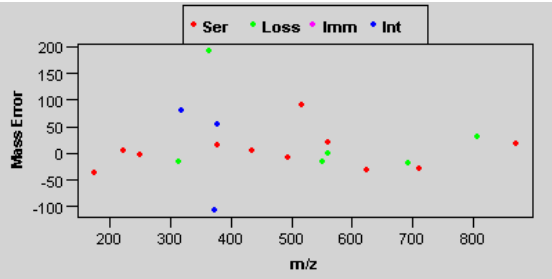
b				y	y^{+2}
---	1	S	8	---	---
251.1026	2	Y	7	971.4073	486.2073
322.1397	3	A	6	808.3440	404.6756
435.2238	4	L	5	737.3069	369.1571
595.2545	5	C(Carbamidomethyl)	4	624.2228	312.6151
724.2971	6	E	3	464.1922	232.5997
884.3277	7	C(Carbamidomethyl)	2	335.1496	168.0784
---	8	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)SEDM(Oxidation)GR^{+2}



Max Intensity: **3.05**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **70.4%** Matched Series Intensity: **65.9%**



Sequence: SYC(Carbamidomethyl)SEDM(Oxidation)GR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C42 H66 N13 O19 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1120.8696	1120.4034	560.9385	560.7053

[–] Peak Matches

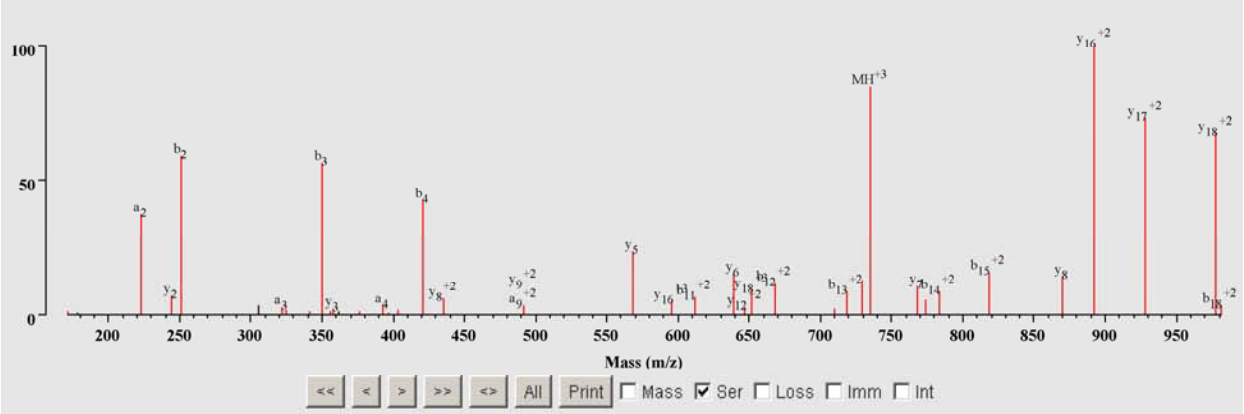
175.1124	**223.1088**	**242.0904**	**251.1018**	**278.1111**	**306.0989**	**313.1589**	**315.1721**	**320.1165**	**322.1468**
y_1(-37)	a_2(4.8)		b_2(-3.3)				y_3-SOCH$_4$(-17)	DM(Oxidation)G(79)	
337.1501	**338.1398**	**346.1864**	**351.1191**	**356.1688**	**365.1979**	**374.0618**	**377.1325**	**379.1811**	**381.1355**
					a_3-H$_2$O(192)	EDM(Oxidation)-H$_2$O(-107)	C(Carbamidomethyl)SE(53)	y_3(14)	
391.1923	**435.6599**	**494.1985**	**507.2088**	**517.2363**	**551.6915**	**558.0927**	**559.2471**	**560.7165**	**588.3087**
	y_7^{+2}(5.2)	y_4(-8.6)		y_8^{+2}(91)	MH-H$_2$O^{+2}(-15)		y_5-SOCH$_4$(0.061)	MH^{+2}(20)	
623.2257	**692.2538**	**699.2994**	**710.2575**	**726.2613**	**763.2949**	**783.2904**	**806.3345**	**850.2786**	**870.3225**
y_5(-32)	y_6-H$_2$O(-19)		y_6(-28)				y_7-SOCH$_4$(31)		y_7(17)

[–] Main Sequence Ions

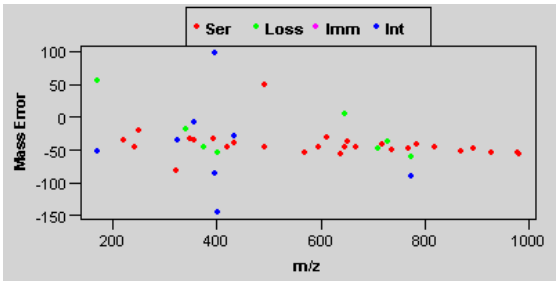
b				y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	1033.3714	517.1893
411.1333	3	C(Carbamidomethyl)	7	870.3080	435.6577
498.1653	4	S	6	710.2774	355.6423
627.2079	5	E	5	623.2454	312.1263
742.2348	6	D	4	494.2028	247.6050
889.2702	7	M(Oxidation)	3	379.1758	190.0915
946.2917	8	G	2	232.1404	116.5738
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVAPEEHPVLLTEAPLNPK^{+3}



Max Intensity: **77.8**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **99.2%** Matched Series Intensity: **99.1%**



Sequence: SYVAPEEHPVLLTEAPLNPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C101 H159 N24 O31

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2205.5314	2204.1598	1103.2694	1102.5835	735.8487	735.3914

[–] Peak Matches

171.1040	178.0839	223.1000	244.1547	251.0974	305.1381	322.1501	325.1756	341.1758	350.1598
y_3-NH_3^{+2}(55) VA(-51)		a_2(-35)	y_2(-45)	b_2(-21)		a_3(-81)	LNP(-35) PLN(-35)	y_3-NH_3(-18)	b_3(-32)
356.1425	**358.1958**	**362.1525**	**376.1860**	**393.2007**	**396.1902**	**403.1754**	**421.1892**	**435.2224**	**491.7599**
PEE(-7.7)	y_3(-35)		y_7-NH_3^{+2}(-45)	EAPL-H_2O(-32) a_4(-32)	EEH(98) APLN(-86)	b_4-H_2O(-55) YVAP-28(-145)	b_4(-45)	EHPV-28(-29) y_8^{+2}(-40)	a_9^{+2}(50) y_9^{+2}(-45)
568.3149	**595.2973**	**611.7904**	**639.3458**	**646.3547**	**652.0020**	**668.3201**	**709.8353**	**718.8450**	**729.3600**
y_5(-54)	y_{16}^{+3}(-46)	b_{11}^{+2}(-30)	y_6(-57)	y_{18}-NH_3^{+3}(6.0) y_{12}^{+2}(-46)	y_{18}^{+3}(-37)	b_{12}^{+2}(-46)	b_{13}-H_2O^{+2}(-48)	b_{13}^{+2}(-41)	MH-H_2O^{+3}(-38)
735.3556	**768.3881**	**774.3441**	**783.3637**	**818.8777**	**869.4272**	**892.4402**	**927.9513**	**977.4835**	**980.9484**
MH^{+3}(-49)	y_7(-48)	b_{14}-H_2O^{+2}(-60) PEEHPVL-28(-91)	b_{14}^{+2}(-41)	b_{15}^{+2}(-45)	y_8(-52)	y_{16}^{+2}(-48)	y_{17}^{+2}(-54)	y_{18}^{+2}(-54)	b_{18}^{+2}(-57)

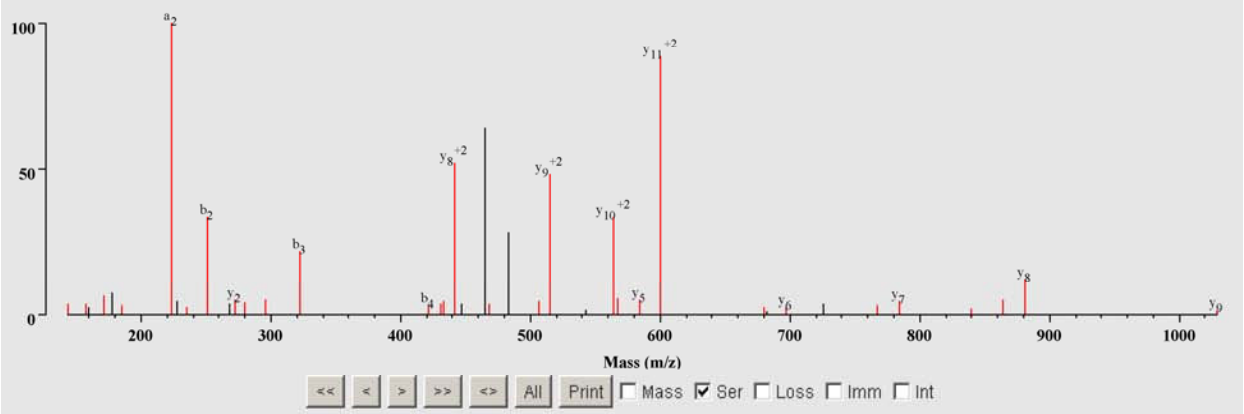
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	20 ---	---
251.1026	---	2	Y	19 2117.1277	1059.0675
350.1710	---	3	V	18 1954.0644	977.5358
421.2082	---	4	A	17 1854.9960	928.0016
518.2609	---	5	P	16 1783.9589	892.4831
647.3035	---	6	E	15 1686.9061	843.9567
776.3461	---	7	E	14 1557.8635	779.4354
913.4050	457.2061	8	H	13 1428.8209	714.9141
1010.4578	505.7325	9	P	12 1291.7620	646.3846
1109.5262	555.2667	10	V	11 1194.7093	597.8583
1222.6103	611.8088	11	L	10 1095.6408	548.3241
1335.6943	668.3508	12	L	9 982.5568	491.7820
1436.7420	718.8746	13	T	8 869.4727	435.2400
1565.7846	783.3959	14	E	7 768.4250	384.7162
1636.8217	818.9145	15	A	6 639.3824	320.1949
1733.8745	867.4409	16	P	5 568.3453	284.6763

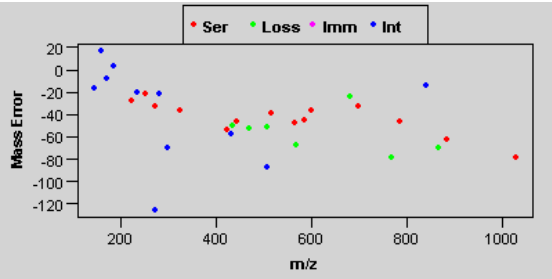
1846.9585	923.9829	17	**L**	4	471.2926	236.1499
1961.0015	981.0044	18	**N**	3	358.2085	179.6079
2058.0542	1029.5308	19	**P**	2	244.1656	122.5864
---	---	20	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVFPSIVGRPR^{+3}



Max Intensity: **28.6**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **79.8%** Matched Series Intensity: **79.9%**



Sequence: SYAVFPSIVGRPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C67 H106 N19 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1449.7062	1448.8009	725.3568	724.9041	483.9070	483.6051

[–] Peak Matches

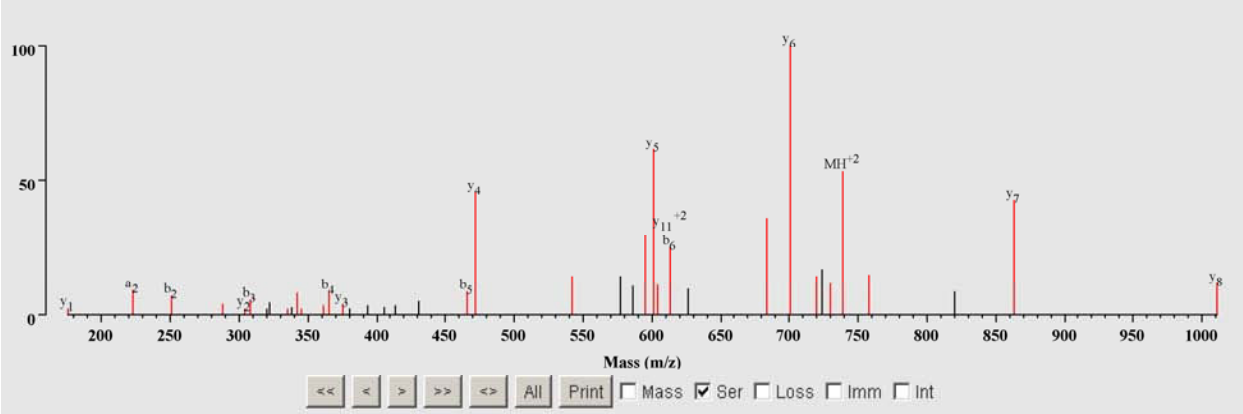
143.1154	**157.0998**	**160.0721**	**171.1114**	**178.0839**	**185.0926**	**223.1014**	**228.1521**	**235.1029**	**251.0974**
AV-28(-17)	PS-28(17) VG(17)		AV(-8.2)		PS(2.9)	a_2(-28)		YA(-20)	b_2(-21)
268.1511	**272.1627**	**280.1597**	**296.1509**	**322.1280**	**421.1853**	**431.2040**	**432.7343**	**441.2490**	**447.2591**
	y_2(-33) SIV-28(-126)	PSI-H_2O(-21)	VGR-NH_3(-70)	b_3(-36)	b_4(-54)	VFPS(-58)	y_8-NH_3^{+2}(-50)	y_8^{+2}(-46)	
465.2842	**468.2428**	**483.2616**	**506.2642**	**514.7838**	**542.2887**	**564.3106**	**567.2978**	**584.3364**	**599.8340**
	y_4-NH_3(-53)		y_9-NH_3^{+2}(-52) IVGRP-NH_3(-88)	y_9^{+2}(-39)		y_{10}^{+2}(-48)	y_5-NH_3(-68)	y_5(-45)	y_{11}^{+2}(-37)
680.4041	**681.8441**	**697.4241**	**725.4038**	**767.3915**	**784.4421**	**839.4658**	**864.4449**	**881.4762**	**1028.5190**
y_6-NH_3(-24)		y_6(-33)		y_7-NH_3(-79)	y_7(-47)	VFPSIVGR-NH_3(-14)	y_8-NH_3(-70)	y_8(-63)	y_9(-79)

[–] Main Sequence Ions

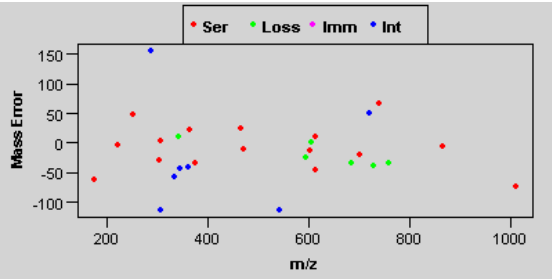
b	b^{+2}			y	y^{+2}
---	---	1	**S** 13	---	---
251.1026	---	2	**Y** 12	1361.7688	681.3881
322.1397	---	3	**A** 11	1198.7055	599.8564
421.2082	---	4	**V** 10	1127.6684	564.3378
568.2766	---	5	**F** 9	1028.6000	514.8036
665.3293	---	6	**P** 8	881.5316	441.2694
752.3614	---	7	**S** 7	784.4788	392.7430
865.4454	---	8	**I** 6	697.4468	349.2270
964.5138	---	9	**V** 5	584.3627	292.6850
1021.5353	---	10	**G** 4	485.2943	243.1508
1177.6364	589.3218	11	**R** 3	428.2728	214.6401
1274.6892	637.8482	12	**P** 2	272.1717	136.5895
---	---	13	**R** 1	175.1190	88.0631

[+] All Sequence Ions
[+] Internal Ions
[+] Theoretical Peak Table

SYGGTFYVEPAER^{+2}



Max Intensity: **5.35**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **86.2%** Matched Series Intensity: **84.6%**



Sequence SYGGTFYVEPAER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C67 H95 N16 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1476.5951	1475.6801	738.8013	738.3437

[–] **Peak Matches**

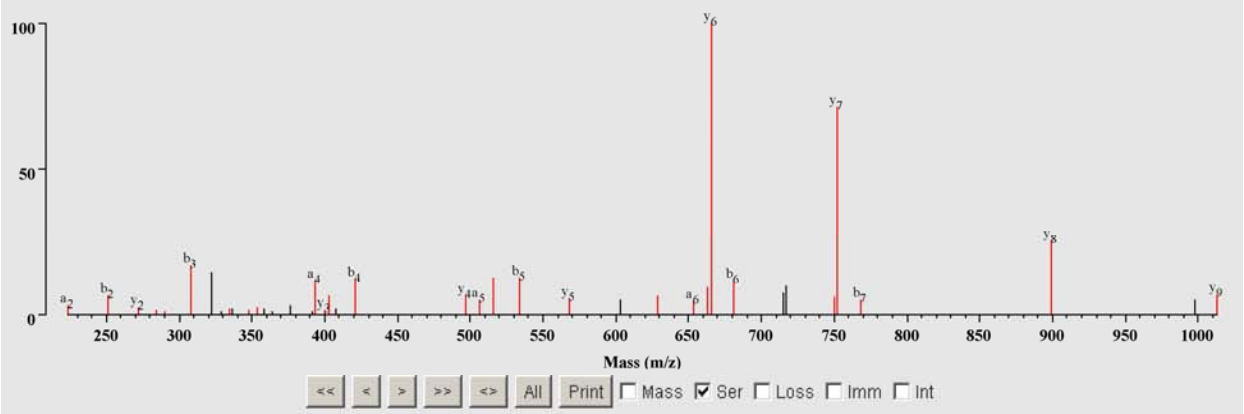
175.1081	**223.1068**	**251.1147**	**288.1792**	**304.1524**	**308.1254**	**320.1329**	**322.1395**	**335.1523**	**338.1480**
y_1(-62)	a_2(-4.1)	b_2(48)	GTF-H_2O(156)	y_2(-30)	b_3(4.2) VEP-H_2O(-114)			GGTF-28(-57)	
342.1754	**345.1407**	**361.1355**	**365.1541**	**375.1862**	**380.1379**	**393.1563**	**405.1413**	**413.1536**	**430.1710**
y_6-NH_3^{+2}(11)	GGTF-H_2O(-44)	YGGT-H_2O(-42)	b_4(23)	y_3(-33)					
466.2044	**472.2467**	**542.1997**	**577.2201**	**586.2398**	**595.2370**	**601.2864**	**604.2912**	**613.2684**	**626.2967**
b_5(24)	y_4(-10)	YVEPA-H_2O(-113)			b_6-H_2O(-24)	y_5(-13)	y_{11}-H_2O^{+2}(0.75)	b_6(11) y_{11}^{+2}(-45)	
683.3129	**700.3489**	**719.3756**	**723.3567**	**729.3105**	**738.3925**	**758.2880**	**820.3800**	**863.4204**	**1010.4184**
y_6-NH_3(-34)	y_6(-19)	TFYVEP-H_2O(50)		MH-H_2O^{+2}(-38)	MH^{+2}(66)	b_7-H_2O(-35)		y_7(-6.2)	y_8(-75)

[–] **Main Sequence Ions**

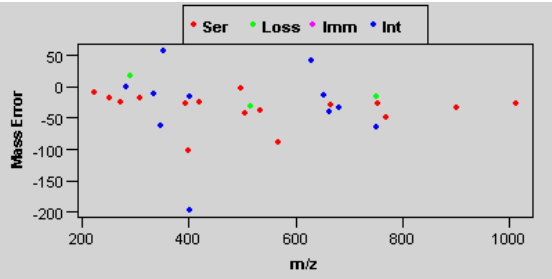
b			y	y^{+2}
---	1	S	13 ---	---
251.1026	2	Y	12 1388.6481	694.8277
308.1241	3	G	11 1225.5848	613.2960
365.1456	4	G	10 1168.5633	584.7853
466.1932	5	T	9 1111.5419	556.2746
613.2617	6	F	8 1010.4942	505.7507
776.3250	7	Y	7 863.4258	432.2165
875.3934	8	V	6 700.3624	350.6849
1004.4360	9	E	5 601.2940	301.1506
1101.4888	10	P	4 472.2514	236.6293
1172.5259	11	A	3 375.1987	188.1030
1301.5685	12	E	2 304.1615	152.5844
---	13	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLLFSPAPQPR^{+2}



Max Intensity: **12.4**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **86.8%** Matched Series Intensity: **86.8%**



Sequence SYGLLFSPAPQPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C67 H102 N17 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1433.6602	1432.7583	717.3338	716.8828

[–] **Peak Matches**

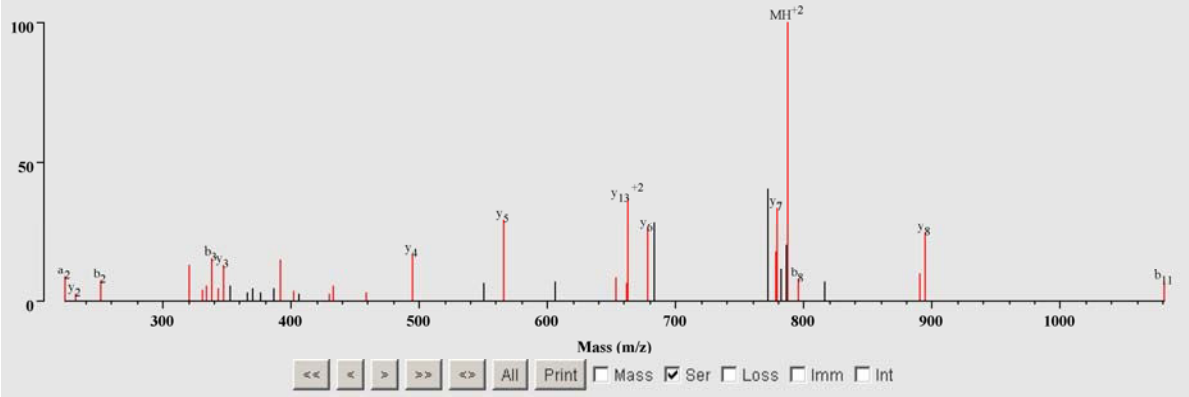
223.1054	**251.0982**	**272.1650**	**284.1969**	**290.1186**	**308.1187**	**322.1344**	**329.1956**	**334.1722**	**336.0973**
a_2(-10)	b_2(-18)	y_2(-25)	GLL(0.11)	b_3-H_2O(17)	b_3(-18)			YGL(-12)	
348.1701	**353.2022**	**358.1701**	**364.1528**	**376.1751**	**391.1433**	**393.2032**	**400.1897**	**403.1908**	**407.2263**
LFS(-62)	SPAP(57)					a_4(-26)	y_3(-101)	b_4-H_2O(-17) FSPA(-17) GLLF-28(-197)	
421.1977	**497.2815**	**506.2755**	**516.2658**	**534.2725**	**568.2703**	**603.2934**	**628.3355**	**653.3568**	**663.3236**
b_4(-25)	y_4(-3.1)	a_5(-43)	LFSPA(-31) b_5-H_2O(-31)	b_5(-37)	y_5(-88)		FSPAPQ(42)	a_6(-14) YGLLFS-28(-14)	b_6-H_2O(-40) YGLLFS-H_2O(-40)
665.3534	**681.3374**	**715.3448**	**717.3588**	**750.3696**	**752.3855**	**768.3559**	**899.4440**	**997.4746**	**1012.5316**
y_6(-29)	b_6(-34) YGLLFS(-34)			b_7-H_2O(-17) YGLLFSP-28(-65)	y_7(-26)	b_7(-48)	y_8(-33)		y_9(-26)

[–] **Main Sequence Ions**

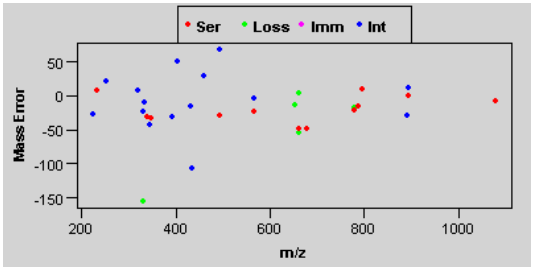
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1345.7263	673.3668
308.1241	3	G	1182.6630	591.8351
421.2082	4	L	1125.6415	563.3244
534.2922	5	L	1012.5574	506.7824
681.3606	6	F	899.4734	450.2403
768.3927	7	S	752.4050	376.7061
865.4454	8	P	665.3729	333.1901
936.4825	9	A	568.3202	284.6637
1033.5353	10	P	497.2831	249.1452
1161.5939	11	Q	400.2303	200.6188
1258.6467	12	P	272.1717	136.5895
---	13	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAGDVDTLAFDGR^{+2}



Max Intensity: **3.79**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **74.8%** Matched Series Intensity: **68.3%**



Sequence: SYSAGDVDTLAFDGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C67 H101 N18 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1574.6539	1573.7129	787.8307	787.3601

[–] Peak Matches

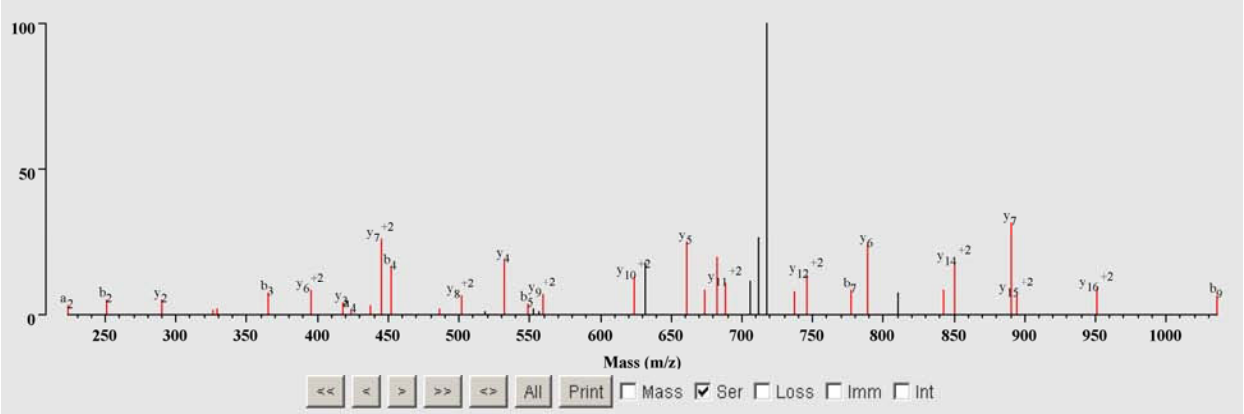
223.1017	232.1421	251.1078	320.1266	331.1171	334.1363	338.1241	343.1464	347.1557	352.1201
a_2(-27) YS-28(-27)	y_2(7.3)	b_2(21) YS(21)	b_3-H_2O(7.8) FDG(7.8)	SAGD(-23) y_6-NH_3^{+2}(-156)	AFD(-10)	b_3(-31)	AGDV(-43)	y_3(-34)	
366.1337	**370.1563**	**376.1663**	**386.1893**	**391.1492**	**402.2186**	**406.1996**	**430.1870**	**433.1979**	**458.2014**
				b_4-H_2O(-31) AFDG(-31)	SAGDV-28(50)		SAGDV(-15) AGDVD-28(-15)	TLAF(-108)	AGDVD(29)
494.2216	**550.2785**	**565.2598**	**606.2868**	**653.2985**	**661.2943**	**662.2804**	**678.3238**	**683.3151**	**771.3467**
YSAGD(68) y_4(-29)		YSAGDV-28(-3.3) y_5(-23)		y_{13}-H_2O^{+2}(-13)	y_6-NH_3(-55)	b_7-H_2O(3.6) y_{13}^{+2}(-48)	y_6(-49)		
778.3419	**779.3879**	**782.3582**	**786.3530**	**787.3486**	**795.3231**	**816.3503**	**890.3993**	**894.4314**	**1080.4753**
MH-H_2O^{+2}(-17)	y_7(-21)			MH^{+2}(-15)	b_8(9.5)		AGDVDTLAF(-29)	YSAGDVDTL-28(12) y_8(-0.19)	b_{11}(-8.4)

[–] Main Sequence Ions

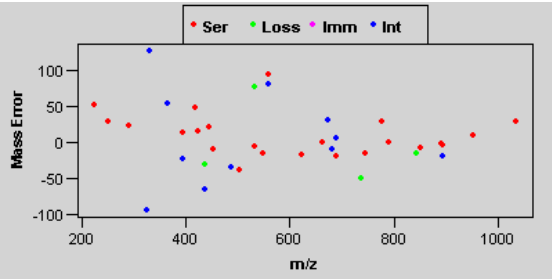
b			y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1486.6809	743.8441
338.1347	3	S	13	1323.6175	662.3124
409.1718	4	A	12	1236.5855	618.7964
466.1932	5	G	11	1165.5484	583.2778
581.2202	6	D	10	1108.5269	554.7671
680.2886	7	V	9	993.5000	497.2536
795.3155	8	D	8	894.4316	447.7194
896.3632	9	T	7	779.4046	390.2060
1009.4473	10	L	6	678.3570	339.6821
1080.4844	11	A	5	565.2729	283.1401
1227.5528	12	F	4	494.2358	247.6215
1342.5798	13	D	3	347.1674	174.0873
1399.6012	14	G	2	232.1404	116.5738
---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNSPLDEENLTQENQDR^{+3}



Max Intensity: **5.19**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **66.3%** Matched Series Intensity: **66.3%**



Sequence SYNSPLDEENLTQENQDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C87 H135 N26 O38

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2153.1935	2151.9425	1077.1005	1076.4749	718.4028	717.9857

[–] Peak Matches

223.1194	251.1100	290.1524	326.1400	329.2236	365.1651	395.1831	418.2244	424.1891	437.1746
a_2(52)	b_2(29)	y_2(22)	LTQ-NH_3(-95) PLD(-95)	NLT(127) ENL-28(127)	b_3(54) YNS(54)	y_6^{+2}(13) NSPL-NH_3(-24) SPLD-H_2O(-24)	y_3(48)	a_4(15)	y_7-NH_3^{+2}(-32) PLDE-H_2O(-65)
445.7105	**452.1732**	**486.2022**	**502.2247**	**518.2656**	**532.2441**	**549.2216**	**552.2064**	**556.7167**	**559.3178**
y_7^{+2}(20)	b_4(-9.7)	EENL(-35)	y_8^{+2}(-38)		b_5-NH_3(76) y_4(-6.2)	b_5(-16)			y_9^{+2}(94) EENLT-28(81)
623.7757	**631.7784**	**661.2902**	**673.3032**	**682.3085**	**688.2939**	**706.3166**	**711.9743**	**717.9919**	**737.2701**
y_{10}^{+2}(-17)		y_5(0.31)	YNSPLD-NH_3(30)	NLTQEN-H_2O(-10)	TQENQD-28(6.2) y_{11}^{+2}(-20)				y_{12}-NH_3^{+2}(-51)
745.8105	**777.3632**	**789.3487**	**810.8625**	**842.3636**	**850.8833**	**890.3934**	**894.4022**	**951.4359**	**1035.4562**
y_{12}^{+2}(-15)	b_7(28)	y_6(0.16)		y_{14}-NH_3^{+2}(-15)	y_{14}^{+2}(-7.6)	y_7(-3.2)	y_{15}^{+2}(-4.0) PLDEENLT-H_2O(-20)	y_{16}^{+2}(9.1)	b_9(29)

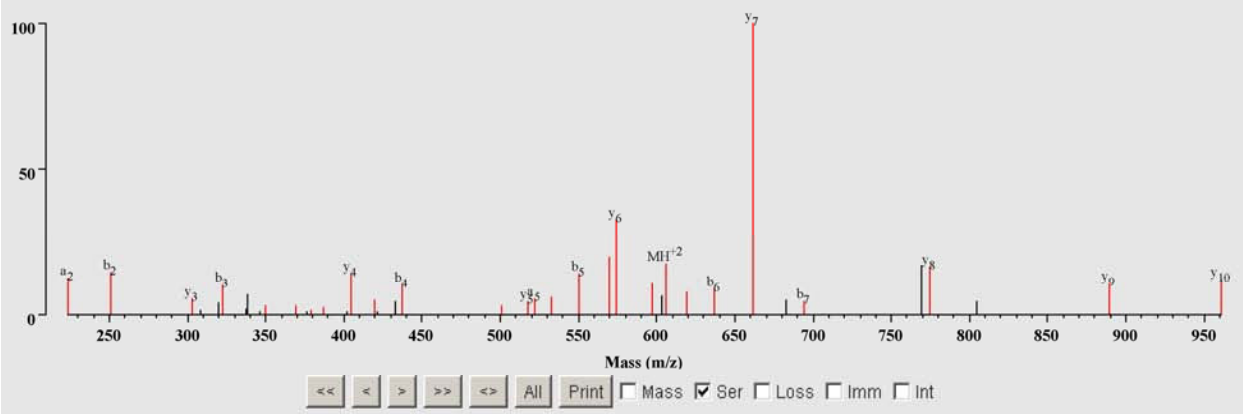
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	2064.9105	1032.9589
365.1456	3	N	16	1901.8472	951.4272
452.1776	4	S	15	1787.8042	894.4058
549.2304	5	P	14	1700.7722	850.8897
662.3144	6	L	13	1603.7194	802.3634
777.3414	7	D	12	1490.6354	745.8213
906.3840	8	E	11	1375.6084	688.3079
1035.4265	9	E	10	1246.5658	623.7866
1149.4695	10	N	9	1117.5232	559.2653
1262.5535	11	L	8	1003.4803	502.2438
1363.6012	12	T	7	890.3962	445.7018
1491.6598	13	Q	6	789.3486	395.1779
1620.7024	14	E	5	661.2900	331.1486
1734.7453	15	N	4	532.2474	266.6273
1862.8039	16	Q	3	418.2045	209.6059

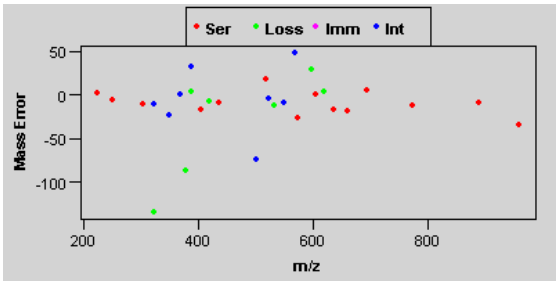
1977.8308	17	**D**	2	290.1459	145.5766
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYADLSGITGAR^{+2}



Max Intensity: **17.3**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **86.3%** Matched Series Intensity: **85.3%**



Sequence SYADLSGITGAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H84 N15 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1211.3248	1210.6062	606.1661	605.8068

[–] **Peak Matches**

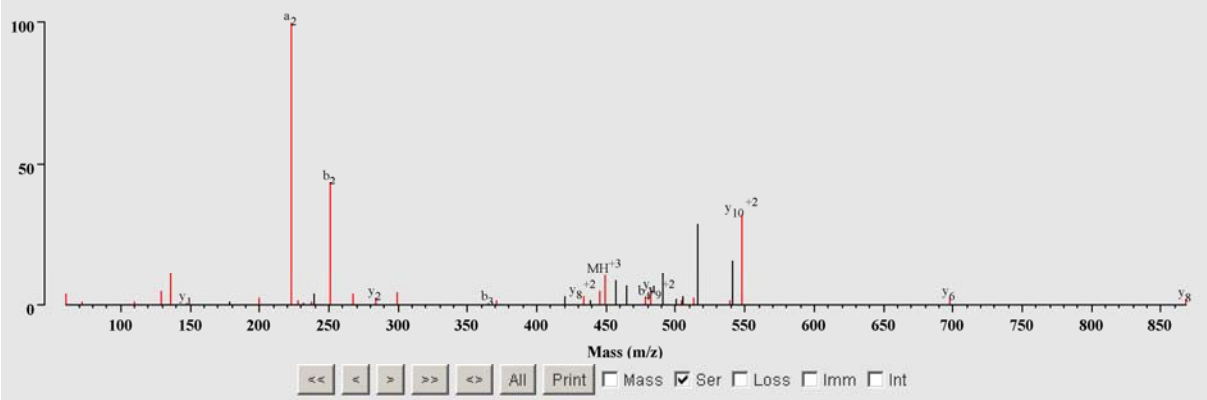
223.1082	251.1012	303.1743	308.1353	320.1228	322.1361	337.1010	338.1237	346.1631	350.1262
a_2(2.2)	b_2(-5.7)	y_3(-11)			b_3(-11) YAD-28(-11) y_7-H_2O^{+2}(-135)				YAD(-24)
369.1768	**376.1787**	**379.1807**	**387.1997**	**402.1557**	**404.2178**	**419.1528**	**421.1103**	**433.2114**	**437.1624**
ADLS-H_2O(-0.17)		y_8-NH_3^{+2}(-87)	ADLS(32) y_4-NH_3(2.7)		y_4(-18)	b_4-H_2O(-7.9)			b_4(-9.8)
501.2660	**517.3180**	**522.2532**	**532.2332**	**550.2452**	**569.3200**	**574.3152**	**597.3103**	**603.2865**	**605.8069**
LSGITG-28(-74)	y_5(17)	a_5(-5.1) YADLS-28(-5.1)	YADLS-H_2O(-13) b_5-H_2O(-13)	b_5(-10) YADLS(-10)	DLSGIT-H_2O(48)	y_6(-27)	MH-NH_3^{+2}(28)		MH^{+2}(0.23)
619.2742	**637.2714**	**661.3505**	**682.4002**	**694.3077**	**769.4425**	**774.4365**	**804.4280**	**889.4655**	**960.4780**
b_6-H_2O(3.2)	b_6(-18)	y_7(-19)		b_7(5.0)		y_8(-13)		y_9(-9.3)	y_{10}(-34)

[–] **Main Sequence Ions**

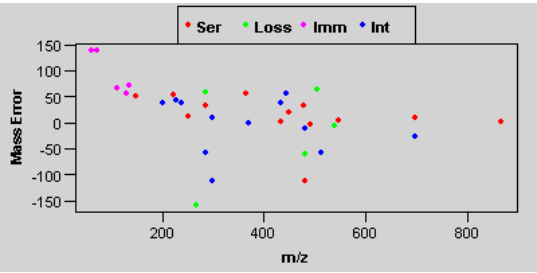
b			y	y^{+2}
---	1	S	12 ---	---
251.1026	2	Y	11 1123.5742	562.2907
322.1397	3	A	10 960.5109	480.7591
437.1667	4	D	9 889.4738	445.2405
550.2508	5	L	8 774.4468	387.7271
637.2828	6	S	7 661.3628	331.1850
694.3042	7	G	6 574.3307	287.6690
807.3883	8	I	5 517.3093	259.1583
908.4360	9	T	4 404.2252	202.6162
965.4575	10	G	3 303.1775	152.0924
1036.4946	11	A	2 246.1561	123.5817
---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNLAVSQVVHK^{+3}



Max Intensity: **47.5**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **74.8%** Matched Series Intensity: **72.0%**



Sequence: SYNLAVSQVVHK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H98 N17 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1345.5505	1344.7270	673.2790	672.8672	449.1885	448.9139

[–] **Peak Matches**

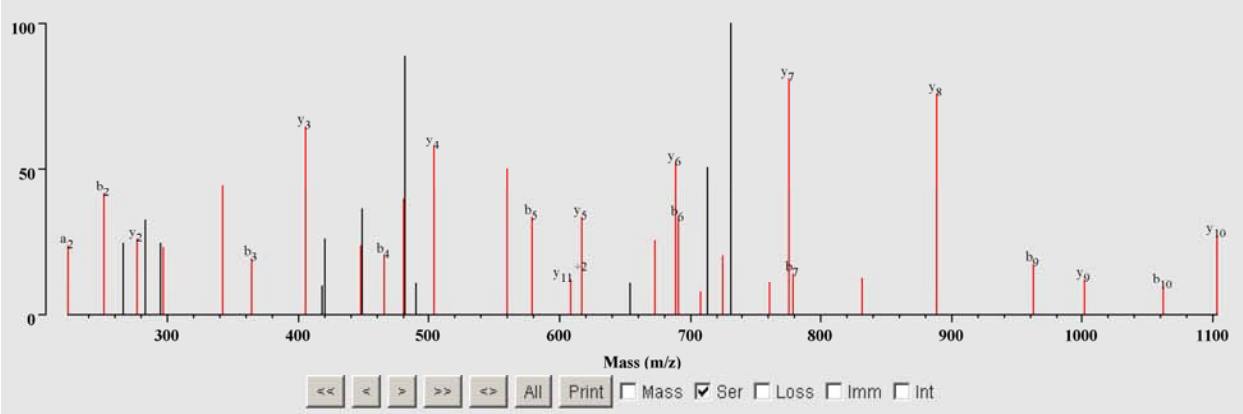
60.0527	72.0908	110.0787	129.1094	136.0854	147.1201	178.0943	200.1467	223.1195	228.1439
S(138)	V(139)	H(67)	K(55)	Y(71)	y_1(50)		QV-28(37) NL-28(37)	a_2(53)	QV(42) NL(42)
232.1429	**237.1434**	**239.1079**	**251.1055**	**267.1027**	**284.1807**	**299.1741**	**365.1660**	**371.2285**	**420.2318**
	VH(37)		b_2(11)	y_2-NH_3(-159)	y_8-NH_3^{+3}(58) y_2(32) LAV(-57)	NLA(9.1) QVV-28(-113)	b_3(56)	LAVS(-1.1)	
434.2569	**438.2444**	**445.2329**	**448.9234**	**456.7645**	**464.7613**	**478.2456**	**482.2551**	**490.7961**	**491.2638**
YNLA-28(39) y_8^{+2}(2.1)		YNLA-NH_3(56)	MH^{+3}(21)			b_4(33)	LAVSQ-NH_3(-12) y_9-NH_3^{+2}(-61) y_4(-111)	y_9^{+2}(-3.9)	
500.6183	**504.2782**	**505.2819**	**513.2727**	**515.9545**	**539.3035**	**540.8102**	**547.8214**	**697.4059**	**867.5069**
	a_5-NH_3(65)		VSQVV(-59)		y_{10}-NH_3^{+2}(-5.0)		y_{10}^{+2}(3.5)	y_6(9.7) LAVSQVV(-26)	y_8(2.6)

[–] **Main Sequence Ions**

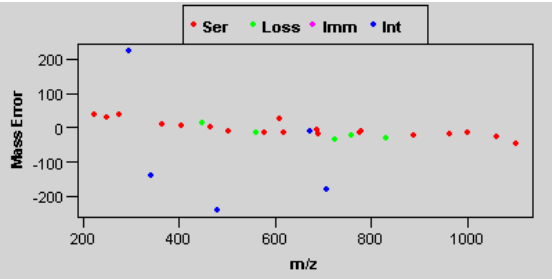
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1257.6950	629.3511
365.1456	---	3	N	10	1094.6317	547.8195
478.2296	---	4	L	9	980.5887	490.7980
549.2667	---	5	A	8	867.5047	434.2560
648.3352	---	6	V	7	796.4676	398.7374
735.3672	---	7	S	6	697.3991	349.2032
863.4258	---	8	Q	5	610.3671	305.6872
962.4942	---	9	V	4	482.3085	241.6579
1061.5626	---	10	V	3	383.2401	192.1237
1198.6215	599.8144	11	H	2	284.1717	142.5895
---	---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYITLLSALVETR^{+2}



Max Intensity: **10.3**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **68.8%** Matched Series Intensity: **68.4%**



Sequence SYITLLSALVETR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H113 N16 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1466.7282	1465.8261	733.8678	733.4167

[–] **Peak Matches**

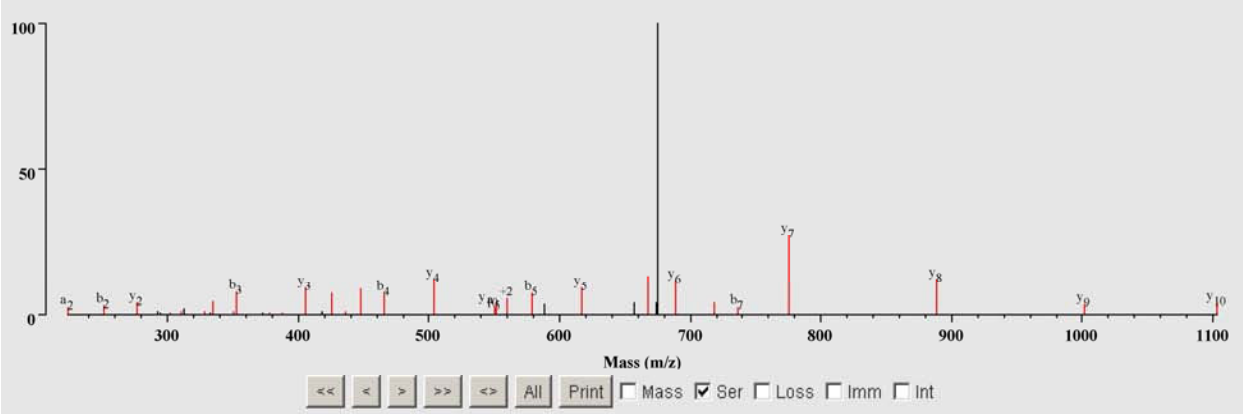
223.1164	**251.1103**	**266.2174**	**276.1768**	**283.1431**	**294.2468**	**296.2632**	**342.1543**	**364.1898**	**405.2120**
a_2(39)	b_2(31)		y_2(37)			LLS-H_2O(224)	LVE(-140)	b_3(8.5)	y_3(6.9)
418.1783	**420.1816**	**447.2294**	**449.1848**	**465.2345**	**480.2024**	**481.2129**	**490.2499**	**504.2722**	**560.3005**
		b_4-H_2O(12)		b_4(0.27)	LLSAL-H_2O(-241)			y_4(-11)	b_5-H_2O(-13)
578.3094	**608.3844**	**617.3524**	**654.2459**	**673.3852**	**688.3936**	**691.3888**	**708.3019**	**713.3025**	**724.3851**
b_5(-16)	y_{11}^{+2}(25)	y_5(-15)		b_6-H_2O(-10) YITLLS-H_2O(-10)	y_6(-7.6)	YITLLS(-20) b_6(-20)	LLSALVE-H_2O(-179)		MH-H_2O^{+2}(-36)
731.2987	**760.4061**	**775.4191**	**778.4261**	**831.4369**	**888.4940**	**962.5374**	**1001.5834**	**1061.5972**	**1102.5933**
	b_7-H_2O(-23)	y_7(-15)	b_7(-11)	b_8-H_2O(-29)	y_8(-24)	b_9(-19)	y_9(-16)	b_{10}(-25)	y_{10}(-48)

[–] **Main Sequence Ions**

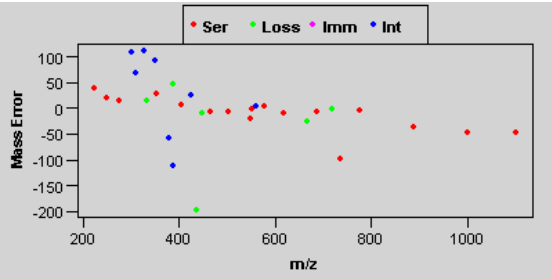
b				y	y^{+2}
---	1	**S**	13	---	---
251.1026	2	**Y**	12	1378.7940	689.9007
364.1867	3	**I**	11	1215.7307	608.3690
465.2344	4	**T**	10	1102.6467	551.8270
578.3184	5	**L**	9	1001.5990	501.3031
691.4025	6	**L**	8	888.5149	444.7611
778.4345	7	**S**	7	775.4308	388.2191
849.4716	8	**A**	6	688.3988	344.7030
962.5557	9	**L**	5	617.3617	309.1845
1061.6241	10	**V**	4	504.2776	252.6425
1190.6667	11	**E**	3	405.2092	203.1083
1291.7144	12	**T**	2	276.1666	138.5870
---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTLLSALVETR^{+2}



Max Intensity: **32.3**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **60.4%** Matched Series Intensity: **58.7%**



Sequence SYTLLSALVETR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H102 N15 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1353.5677	1352.7420	677.2876	676.8746

[–] **Peak Matches**

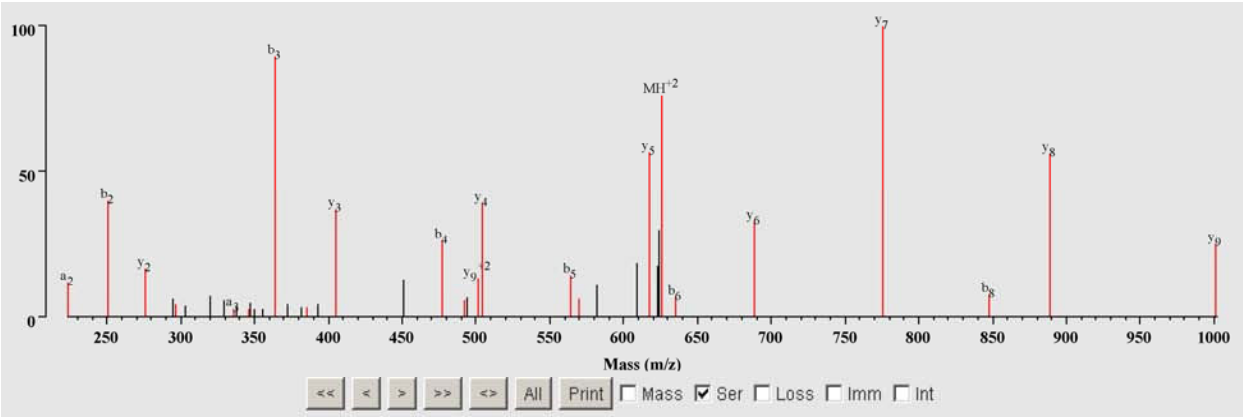
223.1164	251.1073	276.1706	292.2212	294.2501	302.2037	310.2335	312.2603	328.2595	332.2890
a_2(39)	b_2(19)	y_2(14)			VET-28(108)	TLL-H_2O(68)		TLL(111)	
334.1443	**350.2396**	**352.1603**	**372.2141**	**378.1806**	**387.2165**	**405.2120**	**418.1299**	**425.2501**	**436.1616**
b_3-H_2O(14)	YTL-28(92)	b_3(28)		YTL(-58)	y_3-H_2O(46) TLLS-28(-113)	y_3(6.9)		LVET-H_2O(25)	y_8-NH_3^{+2}(-198)
447.2194	**465.2304**	**504.2743**	**550.3123**	**551.8252**	**560.3094**	**578.3207**	**588.2948**	**617.3547**	**657.3382**
b_4-H_2O(-9.9)	b_4(-8.5)	y_4(-6.6)	YTLLS-28(-20) a_5(-20)	y_{10}^{+2}(-3.2)	b_5-H_2O(2.7) YTLLS-H_2O(2.7)	YTLLS(3.9) b_5(3.9)		y_5(-11)	
667.8516	**674.3654**	**675.3340**	**688.3936**	**718.3765**	**736.3155**	**775.4270**	**888.4827**	**1001.5505**	**1102.5933**
MH-H_2O^{+2}(-27)			y_6(-7.6)	b_7-H_2O(-0.72)	b_7(-98)	y_7(-5.0)	y_8(-36)	y_9(-48)	y_{10}(-48)

[–] **Main Sequence Ions**

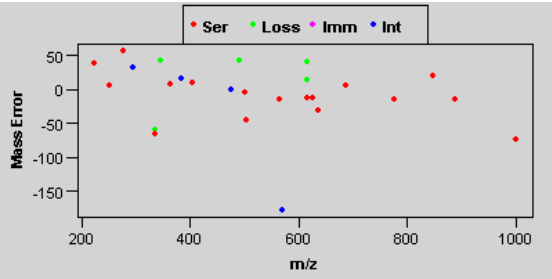
b			y	y^{+2}
---	1	**S** 12	---	---
251.1026	2	**Y** 11	1265.7100	633.3586
352.1503	3	**T** 10	1102.6467	551.8270
465.2344	4	**L** 9	1001.5990	501.3031
578.3184	5	**L** 8	888.5149	444.7611
665.3505	6	**S** 7	775.4308	388.2191
736.3876	7	**A** 6	688.3988	344.7030
849.4716	8	**L** 5	617.3617	309.1845
948.5401	9	**V** 4	504.2776	252.6425
1077.5827	10	**E** 3	405.2092	203.1083
1178.6303	11	**T** 2	276.1666	138.5870
---	12	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLLSALVETR^{+2}



Max Intensity: **3.08**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **82.6%** Matched Series Intensity: **79.2%**



Sequence SYLLSALVETR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C56 H95 N14 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1252.4620	1251.6943	626.7347	626.3508

[–] Peak Matches

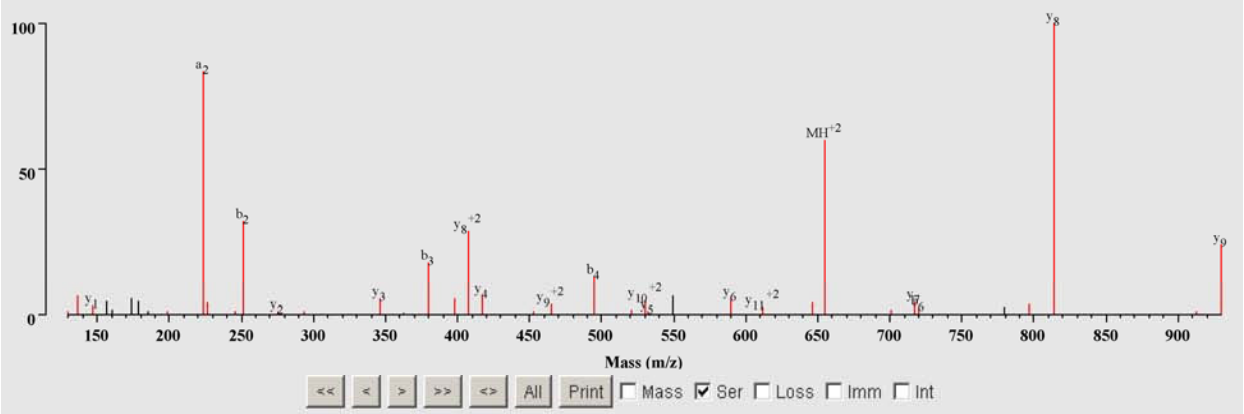
223.1165	251.1040	276.1824	294.2549	296.2062	303.1870	320.1280	329.2734	336.1696	338.1523
a_2(39)	b_2(5.4)	y_2(57)		LLS-H_2O(32)				y_6-NH_3^{+2}(-60) a_3(-66)	
346.1909	**347.1847**	**350.2225**	**355.1134**	**364.1892**	**372.2065**	**382.1551**	**385.2509**	**393.2158**	**405.2131**
b_3-H_2O(43)				b_3(6.9)			LLSA(16) LSAL(16) ALVE-28(16)		y_3(9.6)
451.2259	**477.2706**	**492.3188**	**494.2210**	**501.3004**	**504.2543**	**564.2942**	**569.3005**	**582.3536**	**609.3266**
	b_4(-0.34) YLLS(-0.34)	y_9-H_2O^{+2}(43)		y_9^{+2}(-5.4)	y_4(-46)	b_5(-15)	LLSALV-28(-178)		
617.3539	**623.3338**	**624.4117**	**626.3429**	**635.3205**	**688.4032**	**775.4191**	**847.5105**	**888.5023**	**1001.5253**
b_6-H_2O(40) MH-H_2O^{+2}(14) y_5(-13)			MH^{+2}(-13)	b_6(-31)	y_6(6.4)	y_7(-15)	b_8(21)	y_8(-14)	y_9(-74)

[–] Main Sequence Ions

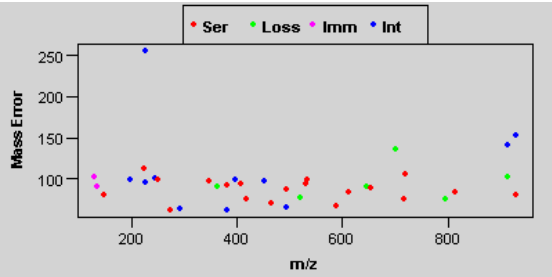
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1164.6623	582.8348
364.1867	3	L 9	1001.5990	501.3031
477.2708	4	L 8	888.5149	444.7611
564.3028	5	S 7	775.4308	388.2191
635.3399	6	A 6	688.3988	344.7030
748.4240	7	L 5	617.3617	309.1845
847.4924	8	V 4	504.2776	252.6425
976.5350	9	E 3	405.2092	203.1083
1077.5827	10	T 2	276.1666	138.5870
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEDPQGDAAQK^{+2}



Max Intensity: **9.76**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **94.3%** Matched Series Intensity: **94.7%**



Sequence: SYEDPQGDAAQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H82 N15 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1309.3397	1308.5703	655.1736	654.7888

[–] Peak Matches

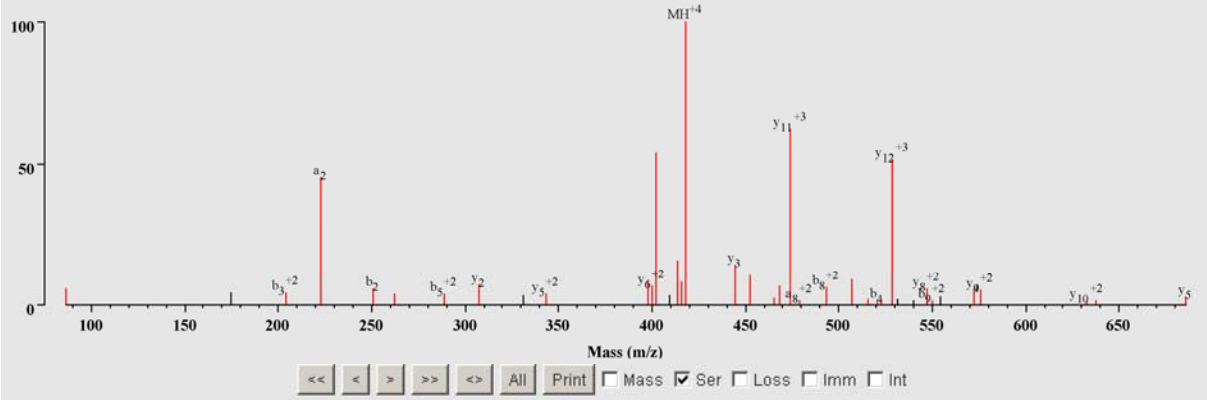
129.1154	136.0879	147.1245	156.1207	160.0908	174.1325	178.1041	185.1885	198.1432	223.1327
K(102)	Y(90)	y_1(80)						PQ-28(98)	a_2(112)
226.1400	**245.1014**	**251.1273**	**275.1881**	**293.1317**	**346.2418**	**362.1673**	**380.1799**	**398.2065**	**407.7442**
GDA-H_2O(256) PQ(95)	ED(100)	b_2(98)	y_2(61)	YE(63)	y_3(96)	b_3-H_2O(90)	YED-28(91) b_3(91) PQGD-H_2O(62) DPQG-H_2O(62)	DPQG(99) PQGD(99)	y_8^{+2}(93)
417.2768	**452.2216**	**465.2520**	**495.2152**	**520.7757**	**529.7909**	**532.3254**	**549.3482**	**589.3332**	**611.3234**
y_4(75)	EDPQ-H_2O(97) PQGDA-NH_3(97)	y_9^{+2}(69)	b_4(87) DPQGD-H_2O(64)	y_{10}-H_2O^{+2}(77)	y_{10}^{+2}(94)	y_5(99)		y_6(66)	y_{11}^{+2}(83)
645.8419	**654.8473**	**700.4211**	**717.4058**	**720.3597**	**779.4239**	**796.4535**	**814.4738**	**912.4983**	**929.5053**
MH-H_2O^{+2}(90)	MH^{+2}(89)	y_7-NH_3(136)	y_7(74)	b_6(106)		y_8-H_2O(74)	y_8(84)	EDPQGDAAQ(141) y_9-NH_3(101)	YEDPQGDAA-H_2O(153) y_9(79)

[–] Main Sequence Ions

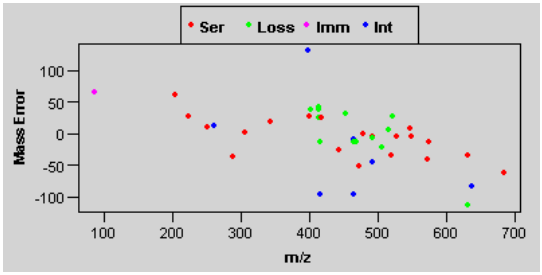
b			y	y^{+2}
---	1	S 12	---	---
251.1026	2	Y 11	1221.5382	611.2727
380.1452	3	E 10	1058.4749	529.7411
495.1722	4	D 9	929.4323	465.2198
592.2249	5	P 8	814.4054	407.7063
720.2835	6	Q 7	717.3526	359.1799
777.3050	7	G 6	589.2940	295.1506
892.3319	8	D 5	532.2726	266.6399
963.3690	9	A 4	417.2456	209.1264
1034.4061	10	A 3	346.2085	173.6079
1162.4647	11	Q 2	275.1714	138.0893
---	12	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYRLGM(Oxidation)FNIQHC(Carbamidomethyl)K^{+4}



Max Intensity: **14.3**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.2%** Matched Series Intensity: **94.0%**



Sequence SYRLGM(Oxidation)FNIQHC(Carbamidomethyl)K
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H113 N22 O20 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1670.6376	1669.7937	835.8225	835.4005	557.5508	557.2694	418.4150	418.2039

[–] Peak Matches

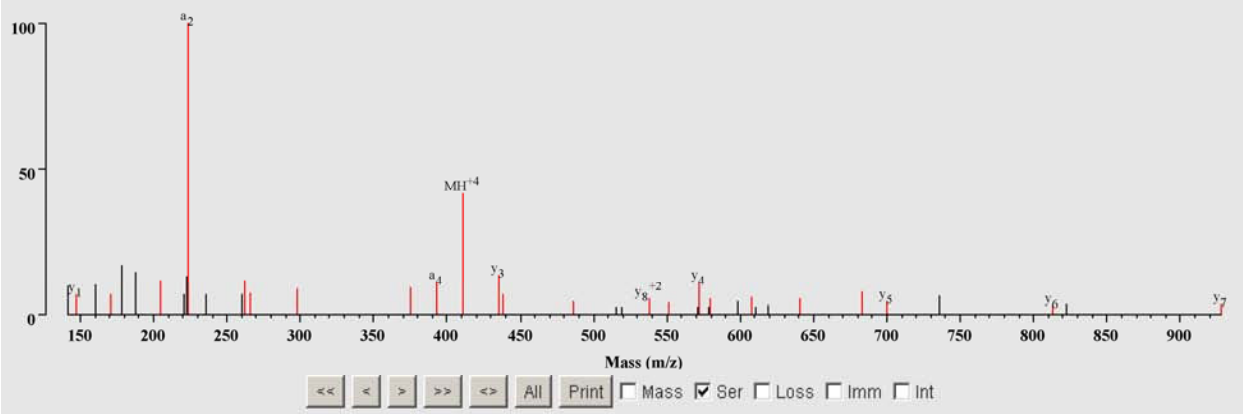
86.1021	175.0669	204.1177	223.1138	251.1055	262.1219	289.1476	307.1438	331.1764	343.1822
L(66) I(66)		b_3^{+2}(60)	a_2(27)	b_2(11)	FN(13)	b_5^{+2}(-37)	y_2(1.1)		y_5^{+2}(18)
398.2125	**400.2086**	**402.2192**	**409.6032**	**413.7164**	**413.9571**	**416.1899**	**418.2143**	**444.1910**	**452.5860**
QHC(Carbamidomethyl)-28(131)	y_6^{+2}(27)	MH-$SOCH_4^{+4}$(37)		a_7-NH_3^{+2}(41) MH-H_2O^{+4}(37)	MH-NH_3^{+4}(24)	y_{10}-NH_3^{+3}(-13) YRL-NH_3(-95)	MH^{+4}(25)	y_3(-26)	y_{11}-$SOCH_4^{+3}$(32)
465.2124	**468.2224**	**473.8796**	**479.2335**	**493.2294**	**506.9150**	**515.2538**	**520.2699**	**522.5976**	**528.2560**
LGM(Oxidation)F(-9.1) y_7-NH_3^{+2}(-13) NIQH-28(-96)	y_{11}-NH_3^{+3}(-14)	y_{11}^{+3}(-52)	a_8^{+2}(-1.4)	b_8^{+2}(-4.6) a_{12}-H_2O^{+3}(-6.1) NIQH(-45)	y_{12}-$SOCH_4^{+3}$(-22)	y_8-$SOCH_4^{+2}$(6.7)	b_4(-34)	y_{12}-NH_3^{+3}(27)	y_{12}^{+3}(-5.2)
531.6377	**540.2447**	**547.2544**	**549.7705**	**554.2069**	**572.2373**	**575.7522**	**632.2801**	**637.2594**	**685.3034**
		y_8^{+2}(8.9)	b_9^{+2}(-5.8)		y_4(-41)	y_9^{+2}(-14)	y_{10}^{+2}(-35) a_6-$SOCH_4$(-113)	YRLGM(Oxidation)(-84)	y_5(-61)

[–] Main Sequence Ions

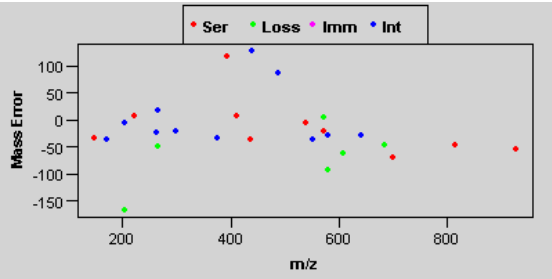
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1582.7617	791.8845
407.2037	204.1055	3	**R**	11	1419.6984	710.3528
520.2878	260.6475	4	**L**	10	1263.5973	632.3023
577.3093	289.1583	5	**G**	9	1150.5132	575.7602
724.3447	362.6760	6	**M(Oxidation)**	8	1093.4917	547.2495
871.4131	436.2102	7	**F**	7	946.4563	473.7318
985.4560	493.2316	8	**N**	6	799.3879	400.1976
1098.5401	549.7737	9	**I**	5	685.3450	343.1761
1226.5987	613.8030	10	**Q**	4	572.2609	286.6341
1363.6576	682.3324	11	**H**	3	444.2024	222.6048
1523.6882	762.3477	12	**C(Carbamidomethyl)**	2	307.1435	154.0754
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLGM(Oxidation)FNIQHC(Carbamidomethyl)KK^{+4}



Max Intensity: **17.3**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **71.9%** Matched Series Intensity: **72.1%**



Sequence: SYLGM(Oxidation)FNIQHC(Carbamidomethyl)KK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H113 N20 O20 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1642.6241	1641.7876	821.8158	821.3974	548.2130	547.9340	411.4116	411.2024

[–] Peak Matches

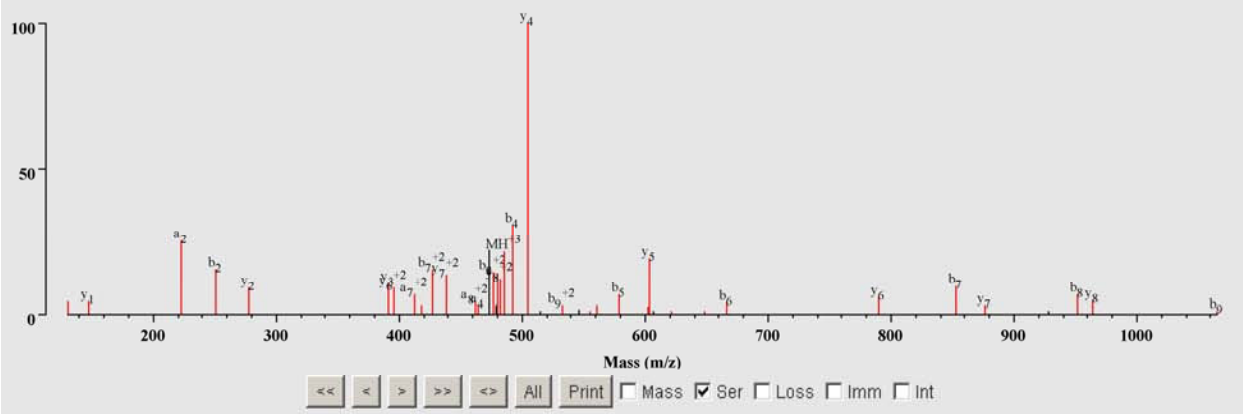
141.0668	147.1078	160.0745	171.1064	178.0826	188.0359	205.0627	221.1014	222.0950	223.1094
	y_1(-34)		LG(-37)			GM(Oxidation)(-7.0) a_2-H_2O(-168)			a_2(7.4)
236.1336	**260.1316**	**262.1120**	**266.1294**	**298.0905**	**375.1899**	**393.2596**	**411.2057**	**435.2224**	**438.2365**
		FN(-25)	QH(17) y_6-NH_3^{+3}(-50)	HC(Carbamidomethyl)(-21)	a_4-H_2O(-34) FNI(-34)	a_4(118)	MH^{+4}(8.1)	y_3(-37)	GM(Oxidation)FN-28(128)
486.2767	**515.2322**	**519.2269**	**537.7758**	**551.2444**	**571.2652**	**572.2846**	**578.2032**	**579.2436**	**598.2844**
FNIQ-NH_3(86)			y_8^{+2}(-6.5)	LGM(Oxidation)FN-28(-37) GM(Oxidation)FNI-28(-37)		b_{10}-$SOCH_4^{+2}$(3.3) y_4(-22)		LGM(Oxidation)FN(-28) GM(Oxidation)FNI(-28) y_9-$SOCH_4^{+2}$(-94)	
607.7709	**610.2441**	**619.3111**	**640.3009**	**683.2979**	**700.3062**	**735.3248**	**813.4029**	**822.3614**	**927.4325**
y_{10}-$SOCH_4^{+2}$(-62)			FNIQH(-30)	y_5-NH_3(-46)	y_5(-71)		y_6(-46)		y_7(-54)

[–] Main Sequence Ions

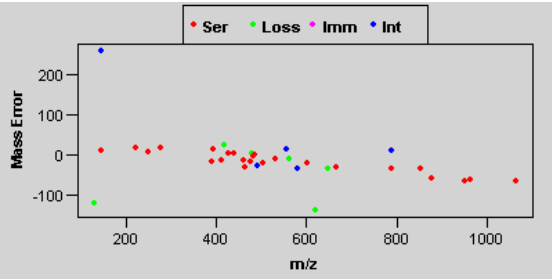
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1554.7556	777.8814
364.1867	---	3	**L**	11	1391.6922	696.3498
421.2082	---	4	**G**	10	1278.6082	639.8077
568.2436	---	5	**M(Oxidation)**	9	1221.5867	611.2970
715.3120	---	6	**F**	8	1074.5513	537.7793
829.3549	---	7	**N**	7	927.4829	464.2451
942.4390	---	8	**I**	6	813.4400	407.2236
1070.4975	---	9	**Q**	5	700.3559	350.6816
1207.5565	604.2819	10	**H**	4	572.2973	286.6523
1367.5871	684.2972	11	**C(Carbamidomethyl)**	3	435.2384	218.1228
1495.6821	748.3447	12	**K**	2	275.2078	138.1075
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKLSSWVLLMK^{+3}



Max Intensity: **16.0**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **92.9%** Matched Series Intensity: **92.1%**



Sequence SYKLSSWVLLMK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H112 N15 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1455.8137	1454.8076	728.4106	727.9074	485.9429	485.6074

[–] **Peak Matches**

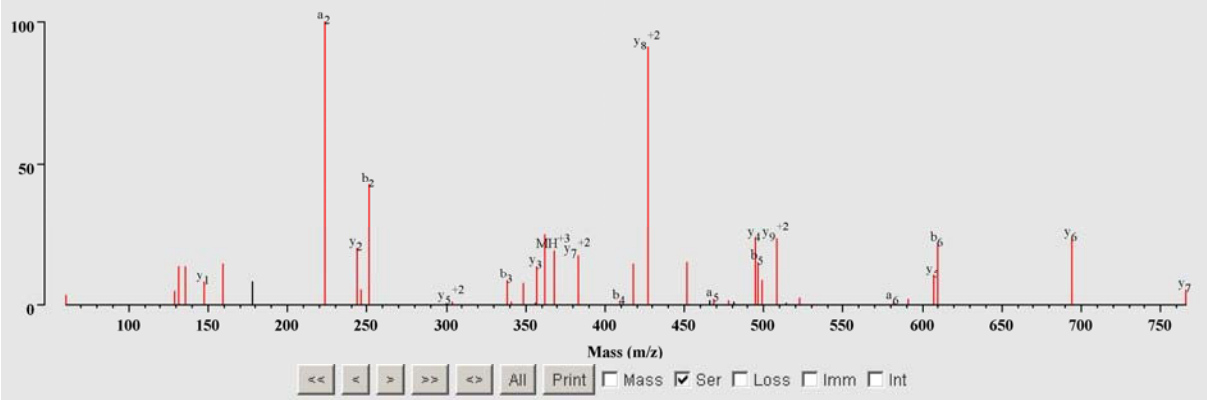
130.0705	147.1144	223.1110	251.1040	278.1576	391.2303	395.2432	412.7121	417.7209	426.7178
y_1-NH_3(-121)	SS-28(258) y_1(11)	a_2(15)	b_2(5.4)	y_2(15)	y_3(-18)	y_6^{+2}(13)	a_7^{+2}(-16)	b_7-H_2O^{+2}(24)	b_7^{+2}(3.9)
438.7558	**462.2467**	**464.2717**	**473.6058**	**476.2420**	**479.0242**	**479.6045**	**482.2676**	**485.6074**	**492.2671**
y_7^{+2}(3.6)	a_8^{+2}(-13)	YKLS-28(-32) a_4(-32)		b_8^{+2}(-18)		MH-H_2O^{+3}(1.3)	y_8^{+2}(-5.5)	MH^{+3}(0.043)	b_4(-30) YKLS(-30)
504.3101	**514.3561**	**532.7862**	**546.2629**	**555.2993**	**561.2974**	**579.2938**	**602.3175**	**603.3772**	**606.3709**
y_4(-22)		b_9^{+2}(-12)		LSSWV-H_2O(12) SSWVL-H_2O(12)	YKLSS-H_2O(-10) b_5-H_2O(-10)	b_5(-34) YKLSS(-34)	KLSSW(-20)	y_5(-21)	
621.2379	**648.3124**	**666.3253**	**789.4400**	**852.3937**	**876.4480**	**928.4916**	**951.4306**	**963.4737**	**1064.5078**
a_6-NH_3(-139)	b_6-H_2O(-35)	b_6(-31)	SSWVLLM-28(9.2) y_6(-37)	b_7(-37)	y_7(-61)		b_8(-66)	y_8(-62)	b_9(-65)

[–] **Main Sequence Ions**

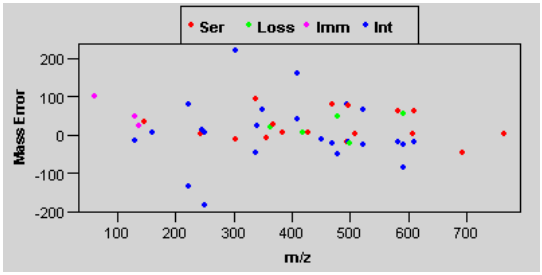
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1367.7756	684.3914
379.1976	190.1024	3	**K**	10	1204.7122	602.8598
492.2817	246.6445	4	**L**	9	1076.6173	538.8123
579.3137	290.1605	5	**S**	8	963.5332	482.2702
666.3457	333.6765	6	**S**	7	876.5012	438.7542
852.4250	426.7162	7	**W**	6	789.4691	395.2382
951.4934	476.2504	8	**V**	5	603.3898	302.1986
1064.5775	532.7924	9	**L**	4	504.3214	252.6643
1177.6616	589.3344	10	**L**	3	391.2374	196.1223
1308.7021	654.8547	11	**M**	2	278.1533	139.5803
---	---	12	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSASLHLPK^{+3}



Max Intensity: **345**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.8%** Matched Series Intensity: **97.4%**



Sequence SYSASLHLPK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C50 H80 N13 O15

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1103.2709	1102.5891	552.1392	551.7982	368.4286	368.2012

[–] **Peak Matches**

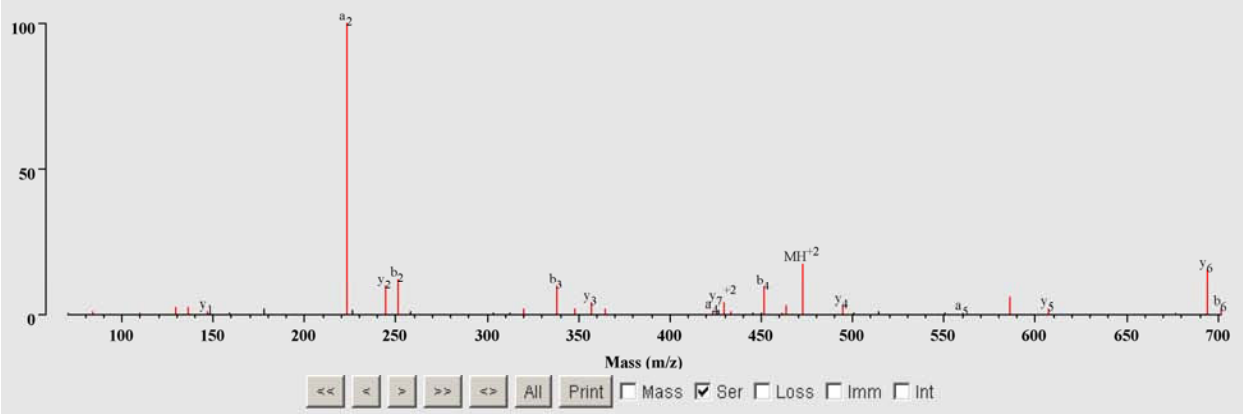
60.0505	129.1083	131.0796	136.0788	147.1178	159.0776	178.0943	223.1256	244.1662	246.1120
S(102)	K(47)	AS-28(-15) SA-28(-15)	Y(23)	y_1(34)	AS(7.4) SA(7.4)		a_2(80) YS-28(80) LH-28(-133) HL-28(-133)	ASL-28(2.4) y_2(2.4)	SAS(14)
251.1040	**304.1965**	**338.1665**	**341.1897**	**348.2259**	**356.2088**	**357.2472**	**362.2057**	**368.2110**	**383.2363**
b_2(5.4) YS(5.4) HL(-184) LH(-184)	YSA-H_2O(221) y_5^{+2}(-11)	b_3(94) SLH(-47)	SASL-H_2O(23)	HLP(66)		y_3(-6.9)	MH-H_2O^{+3}(22)	MH^{+3}(27)	y_7^{+2}(4.7)
409.2371	**417.7476**	**426.7530**	**451.2608**	**466.2562**	**468.2469**	**478.2166**	**480.7722**	**494.2999**	**496.2420**
b_4(160) YSAS(160) ASLH(43)	y_8-H_2O^{+2}(5.6)	y_8^{+2}(5.8)	SLHL(-12)		a_5(81) SASLH-28(-21)	b_5-H_2O(49) SASLH-H_2O(-51)		YSASL-28(79) ASLHL-28(-17) y_4(-17)	b_5(77) SASLH(-19)
499.2660	**508.2836**	**514.2875**	**522.2904**	**581.3299**	**591.3110**	**607.3945**	**609.3250**	**694.3929**	**765.4641**
y_9-H_2O^{+2}(-22)	y_9^{+2}(2.7)		YSASL(66) ASLHL(-25)	a_6(64) SASLHL-28(-18)	b_6-H_2O(57) SASLHL-H_2O(-24) ASLHLP-28(-85)	y_5(3.1)	b_6(61) SASLHL(-17)	y_6(-46)	y_7(3.1)

[–] **Main Sequence Ions**

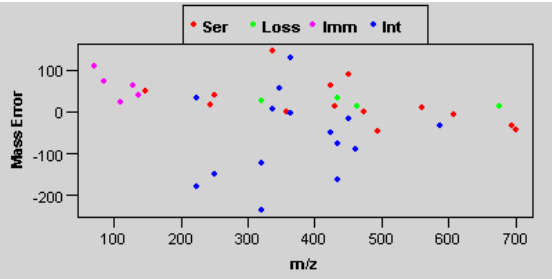
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1015.5571	508.2822
338.1347	---	3	S	8	852.4938	426.7505
409.1718	---	4	A	7	765.4618	383.2345
496.2038	---	5	S	6	694.4246	347.7160
609.2879	---	6	L	5	607.3926	304.1999
746.3468	373.6770	7	H	4	494.3085	247.6579
859.4308	430.2191	8	L	3	357.2496	179.1285
956.4836	478.7454	9	P	2	244.1656	122.5864
---	---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLHLPK^{+2}



Max Intensity: **32.7**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **94.6%** Matched Series Intensity: **94.1%**



Sequence: SYSLHLPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C44 H70 N11 O12

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
945.1129	944.5200	473.0602	472.7636

[–] **Peak Matches**

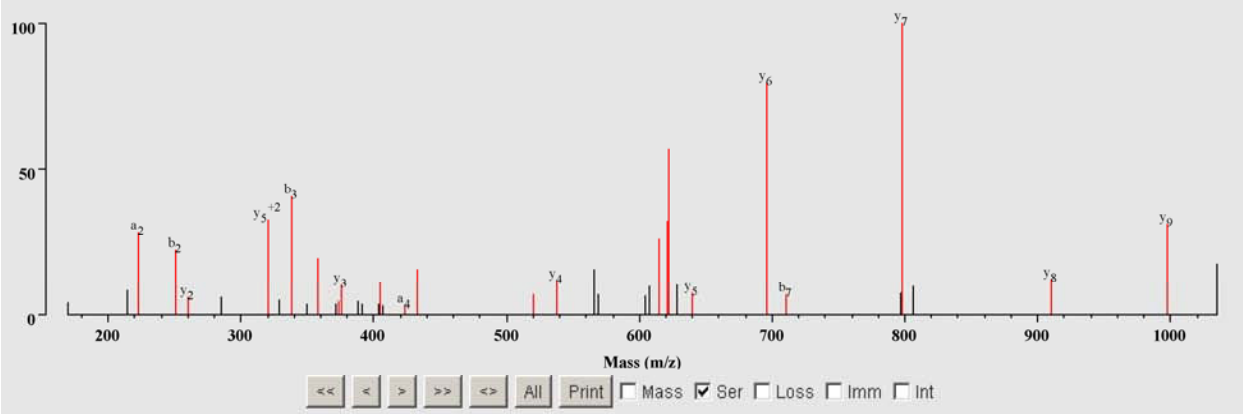
70.0727	84.0870	110.0738	129.1105	136.0810	147.1201	159.0919	178.0918	223.1152	226.1553
P(108)	K(74)	H(23)	K(64)	Y(39)	y_1(50)			a_2(34) YS-28(34) HL-28(-180) LH-28(-180)	
244.1692	**251.1130**	**258.1375**	**303.1788**	**312.1772**	**320.1324**	**338.1840**	**348.2224**	**357.2492**	**364.2333**
y_2(15)	YS(41) b_2(41) HL(-148) LH(-148)				b_3-H_2O(26) SLH-H_2O(-123) HLP-28(-236)	b_3(146) SLH(5.1)	HLP(56)	y_3(-1.2)	YSL(128) LHL(-2.8)
423.2505	**426.7432**	**429.2536**	**433.2220**	**445.5885**	**450.2118**	**451.2587**	**461.2461**	**463.7641**	**472.7637**
a_4(63) SLHL-28(-49)		y_7^{+2}(14)	b_4-H_2O(32) SLHL-H_2O(-78) LHLP-28(-162)			b_4(89) SLHL(-17)	LHLP(-89)	MH-H_2O^{+2}(12)	MH^{+2}(0.14)
494.2852	**500.2414**	**514.2960**	**550.3166**	**560.2888**	**586.3156**	**607.3875**	**676.4221**	**694.4022**	**701.3308**
y_4(-47)				a_5(11)	YSLHL-28(-33)	y_5(-8.4)	y_6-H_2O(12)	y_6(-32)	b_6(-44)

[–] **Main Sequence Ions**

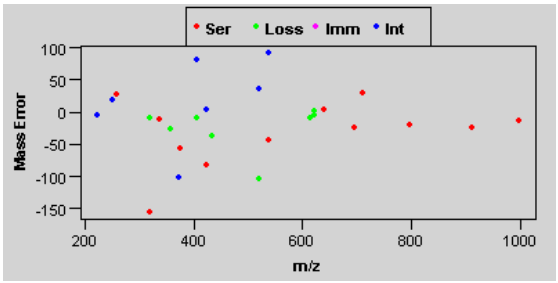
b	b^{+2}			y	y^{+2}
---	---	1 **S** 8		---	---
251.1026	---	2 **Y** 7		857.4880	429.2476
338.1347	---	3 **S** 6		694.4246	347.7160
451.2187	---	4 **L** 5		607.3926	304.1999
588.2776	294.6425	5 **H** 4		494.3085	247.6579
701.3617	351.1845	6 **L** 3		357.2496	179.1285
798.4145	399.7109	7 **P** 2		244.1656	122.5864
---	---	8 **K** 1		147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSITGTYDLK^{+2}



Max Intensity: **4.27**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **81.5%** Matched Series Intensity: **81.2%**



Sequence SYSITGTYDLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C56 H87 N12 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1248.3835	1247.6154	624.6955	624.3113

[–] **Peak Matches**

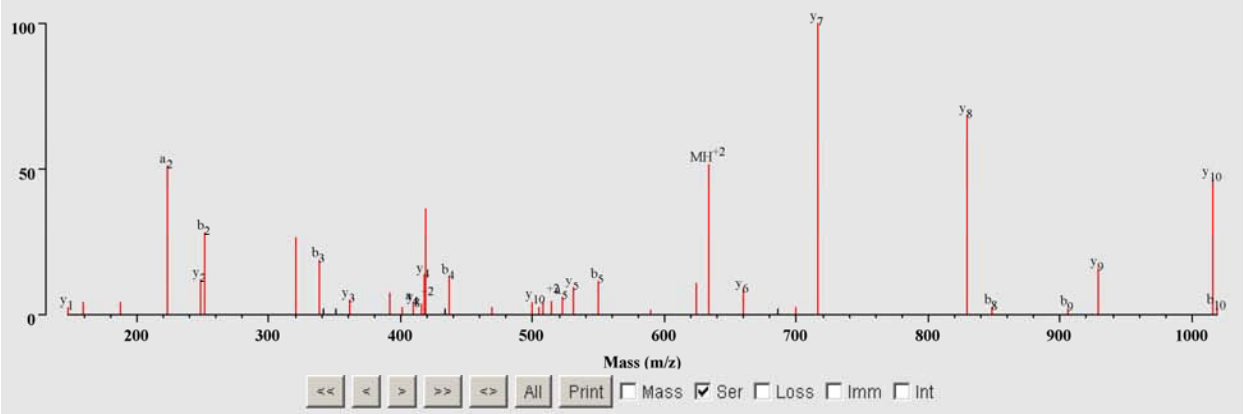
169.1328	214.1475	223.1068	251.1072	260.2039	285.1951	320.1211	329.1767	338.1306	349.1121
		a_2(-4.1) YS-28(-4.1)	YD-28(18) b_2(18) YS(18)	y_2(27)		b_3-H_2O(-9.4) y_5^{+2}(-156)		b_3(-12)	
358.1880	**371.1746**	**373.1704**	**375.2027**	**388.1912**	**391.1770**	**404.1721**	**405.2098**	**407.1843**	**423.1893**
y_3-NH_3(-26)		ITGT(-101)	y_3(-56)				TGTY-H_2O(81) a_4-H_2O(-8.5)		TGTY(4.4) a_4(-82)
433.1917	**520.2219**	**538.2639**	**566.2954**	**569.2929**	**604.2493**	**607.3151**	**615.2999**	**621.3251**	**622.3046**
b_4-H_2O(-38)	TGTYD-H_2O(35) y_4-H_2O(-105)	TGTYD(92) y_4(-43)					MH-H_2O^{+2}(-10)	y_5-H_2O(1.4)	y_5-NH_3(-5.9)
628.3331	**639.3375**	**696.3393**	**710.3563**	**796.3678**	**797.3884**	**806.3674**	**910.4661**	**997.5075**	**1034.5218**
	y_5(4.2)	y_6(-24)	SITGTYD-28(29) b_7(29)		y_7(-20)		y_8(-24)	y_9(-13)	

[–] **Main Sequence Ions**

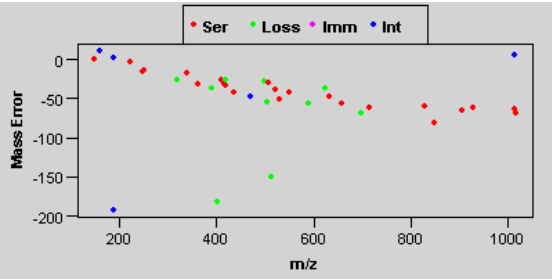
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1160.5834	580.7953
338.1347	3	S	997.5201	499.2637
451.2187	4	I	910.4880	455.7477
552.2664	5	T	797.4040	399.2056
609.2879	6	G	696.3563	348.6818
710.3355	7	T	639.3348	320.1710
873.3989	8	Y	538.2871	269.6472
988.4258	9	D	375.2238	188.1155
1101.5099	10	L	260.1969	130.6021
---	11	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVLGQLGITK^{+2}



Max Intensity: **420**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.5%** Matched Series Intensity: **98.4%**



Sequence: SYSVLGQLGITK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H97 N14 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1266.4891	1265.7100	633.7482	633.3586

[–] **Peak Matches**

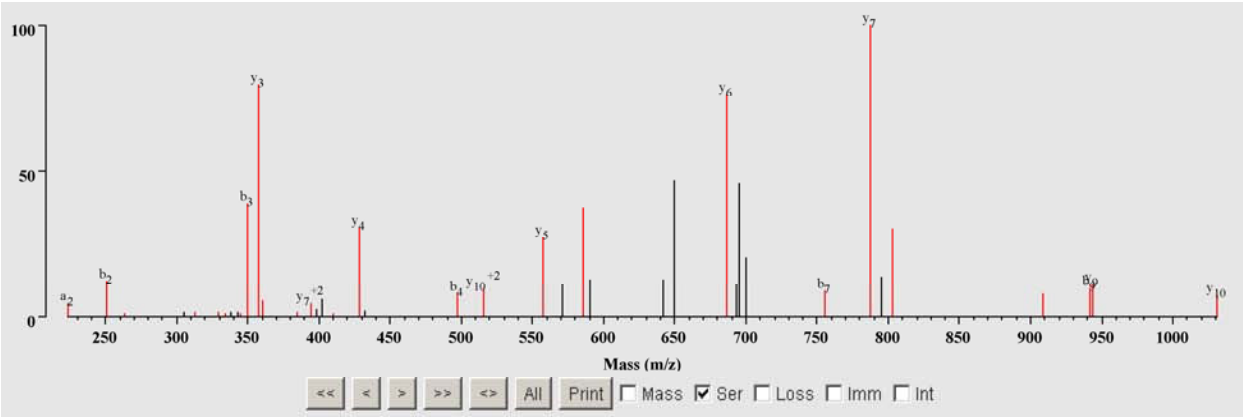
147.1129	**159.1145**	**187.1080**	**223.1069**	**248.1566**	**251.0991**	**320.1155**	**338.1285**	**341.2278**	**351.1903**
y_1(0.65)	SV-28(11)	SV(1.5) IT-28(-193)	YS-28(-3.7) a_2(-3.7)	y_2(-16)	YS(-14) b_2(-14)	b_3-H_2O(-27)	b_3(-18)		
361.2333	**391.1833**	**401.1663**	**409.1973**	**415.2477**	**418.2518**	**419.1813**	**433.1905**	**437.1842**	**469.2547**
y_3(-31)	a_4-H_2O(-37)	y_4-NH_3(-182)	a_4(-27)	y_8^{+2}(-31)	y_4(-34)	b_4-H_2O(-27)		b_4(-43)	GQLGI(-47) LGQLG(-47)
499.2918	**504.2543**	**508.2958**	**514.2466**	**522.2716**	**531.3224**	**550.2633**	**589.2642**	**624.3304**	**633.3291**
y_{10}-H_2O^{+2}(-28)	a_5-H_2O(-54)	y_{10}^{+2}(-30)	y_5-NH_3(-150)	a_5(-39)	y_5(-52)	b_5(-43)	b_6-H_2O(-57)	MH-H_2O^{+2}(-37)	MH^{+2}(-47)
659.3720	**686.3808**	**699.3563**	**716.3866**	**829.4640**	**848.3822**	**905.4138**	**928.5250**	**1015.5507**	**1018.4872**
y_6(-56)		y_7-NH_3(-68)	y_7(-61)	y_8(-60)	b_8(-81)	b_9(-65)	y_9(-62)	YSVLGQLGIT-NH_3(4.8) y_{10}(-63)	b_{10}(-68)

[–] **Main Sequence Ions**

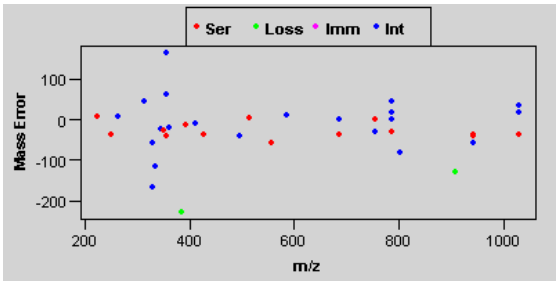
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1178.6780	589.8426
338.1347	3	S	10	1015.6146	508.3109
437.2031	4	V	9	928.5826	464.7949
550.2871	5	L	8	829.5142	415.2607
607.3086	6	G	7	716.4301	358.7187
735.3672	7	Q	6	659.4087	330.2080
848.4512	8	L	5	531.3501	266.1787
905.4727	9	G	4	418.2660	209.6366
1018.5568	10	I	3	361.2445	181.1259
1119.6045	11	T	2	248.1605	124.5839
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVFSNGADLSGVTEEAPLK^{+3}



Max Intensity: **8.25**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **73.2%** Matched Series Intensity: **73.2%**



Sequence: SYVFSNGADLSGVTEEAPLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C92 H143 N22 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2085.2891	2084.0182	1043.1483	1042.5128	695.7680	695.3443

[–] Peak Matches

223.1096	251.0937	263.1406	305.1552	313.1283	329.1630	334.1376	338.1271	343.1162	345.1688
a_2(8.4)	b_2(-36)	YV(6.0)		SNGA-NH_3(45)	GADL-28(-58) LSGV-28(-168)	VFS(-115)			DLSG-28(-23) SGVT(-23)
350.1616	**357.2356**	**360.1325**	**385.1202**	**394.2080**	**398.1436**	**402.1766**	**410.2037**	**428.2709**	**432.1856**
b_3(-27)	GADL(164) LSGV(63) y_3(-39)	TEE(-21)	y_7-H_2O^{+2}(-228)	y_7^{+2}(-14)			YVF(-9.1)	y_4(-37)	
497.2203	**515.7756**	**557.2970**	**571.2639**	**585.2570**	**590.7540**	**641.7882**	**649.2841**	**686.3472**	**693.3179**
b_4(-39) YVFS(-39)	y_{10}^{+2}(2.3)	y_5(-58)		SGVTEE-H_2O(9.4)				NGADLSGV-28(0.61) y_6(-36)	
695.3331	**699.8054**	**755.3352**	**787.3960**	**795.2677**	**803.3132**	**908.3425**	**941.3661**	**943.4698**	**1030.5029**
		b_7(-0.90) ADLSGVTE-H_2O(-29)	VFSNGADL-NH_3(43) LSGVTEEA(16) NGADLSGVT-28(2.0) y_7(-30)		DLSGVTEE-28(-81)	y_{18}-H_2O^{+2}(-129)	b_9(-36) GADLSGVTEE-H_2O(-58)	y_9(-42)	GADLSGVTEEA(33) VFSNGADLSGV-NH_3(18) y_{10}(-37)

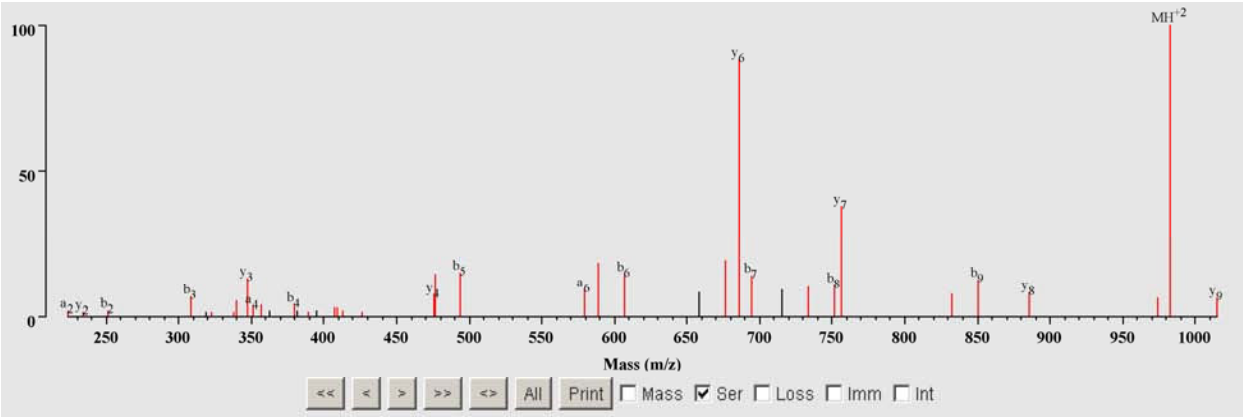
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S 20	---	---
251.1026	2	Y 19	1996.9862	998.9967
350.1710	3	V 18	1833.9229	917.4651
497.2395	4	F 17	1734.8545	867.9309
584.2715	5	S 16	1587.7861	794.3967
698.3144	6	N 15	1500.7540	750.8807
755.3359	7	G 14	1386.7111	693.8592
826.3730	8	A 13	1329.6896	665.3485
941.3999	9	D 12	1258.6525	629.8299
1054.4840	10	L 11	1143.6256	572.3164
1141.5160	11	S 10	1030.5415	515.7744
1198.5375	12	G 9	943.5095	472.2584
1297.6059	13	V 8	886.4880	443.7477
1398.6536	14	T 7	787.4196	394.2134
1527.6962	15	E 6	686.3719	343.6896
1656.7388	16	E 5	557.3293	279.1683

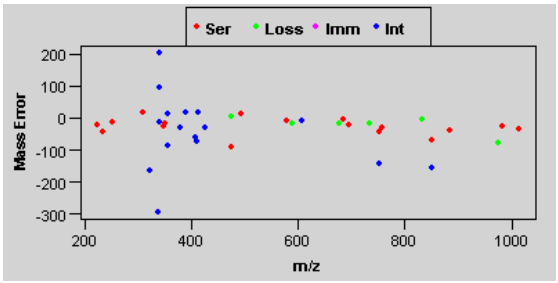
1727.7759	17	**A**	4	428.2867	214.6470
1824.8286	18	**P**	3	357.2496	179.1285
1937.9127	19	**L**	2	260.1969	130.6021
---	20	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGADLSGVTEEAPLKLSK^{+2}



Max Intensity: **5.56**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.8%** Matched Series Intensity: **93.3%**



Sequence: SYGADLSGVTEEAPLKLSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C86 H142 N21 O31

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1966.2090	1965.0175	983.6082	983.0124

[–] Peak Matches

223.1026	234.1345	251.0997	308.1287	319.1700	322.1599	338.1445	339.2350	347.2205	351.1595
a_2(-23)	y_2(-44)	b_2(-12)	b_3(15)		PLK-NH_3(-163)	LKL-NH_3(-294)	GADL-H_2O(203) LSGV-H_2O(95) PLK(-12)	y_3(-24)	a_4(-19)
357.1820	**362.1398**	**379.1494**	**381.1850**	**389.1522**	**395.1802**	**407.1308**	**409.1424**	**413.1728**	**426.1853**
GADL(14) LSGV(-87)		b_4(-31) YGAD-28(-31)		YGAD-H_2O(17)		YGAD(-62)	EEAP-H_2O(-72)	TEEA-H_2O(15)	GADLS-H_2O(-31) ADLSG-H_2O(-31)
475.2813	**476.1794**	**494.1941**	**579.2731**	**589.2504**	**607.2661**	**658.2652**	**676.2820**	**685.4573**	**694.2902**
y_4(-90)	b_5-H_2O(3.8)	b_5(12)	YGADLS-28(-7.3) a_6(-7.3)	YGADLS-H_2O(-19) b_6-H_2O(-19)	b_6(-10) YGADLS(-10)		b_7-H_2O(-17)	y_6(-4.9)	b_7(-20)
715.3119	**733.3035**	**751.2929**	**756.4750**	**832.3793**	**850.3345**	**885.5066**	**973.9304**	**982.9873**	**1014.5476**
	b_8-H_2O(-16)	b_8(-44) TEEAPLK-H_2O(-141)	y_7(-30)	b_9-H_2O(-5.1)	b_9(-70) EEAPLKLS-H_2O(-156) VTEEAPLK-H_2O(-156)	y_8(-38)	MH-H_2O^{+2}(-79)	MH^{+2}(-26)	y_9(-35)

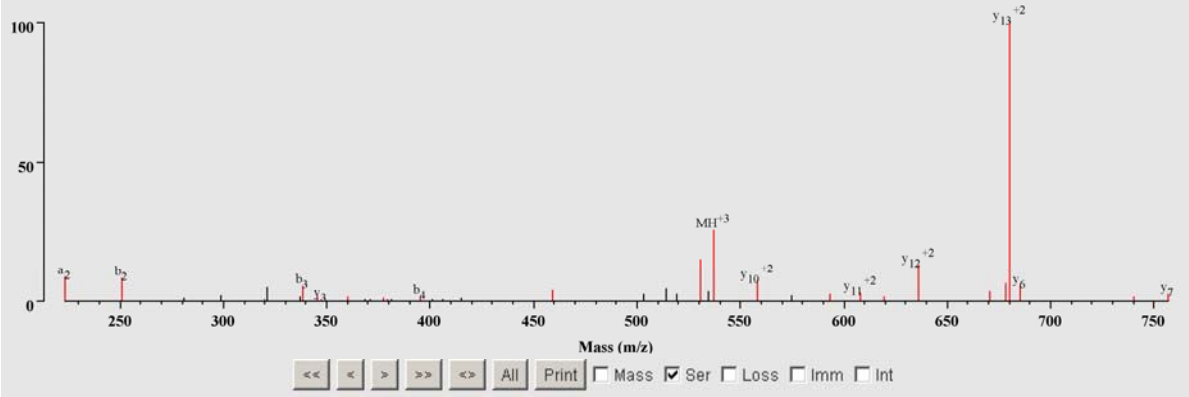
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 19	---	---
251.1026	---	2	Y 18	1877.9855	939.4964
308.1241	---	3	G 17	1714.9222	857.9647
379.1612	---	4	A 16	1657.9007	829.4540
494.1882	---	5	D 15	1586.8636	793.9354
607.2722	---	6	L 14	1471.8366	736.4220
694.3042	---	7	S 13	1358.7526	679.8799
751.3257	---	8	G 12	1271.7205	636.3639
850.3941	---	9	V 11	1214.6991	607.8532
951.4418	---	10	T 10	1115.6307	558.3190
1080.4844	---	11	E 9	1014.5830	507.7951
1209.5270	---	12	E 8	885.5404	443.2738
1280.5641	---	13	A 7	756.4978	378.7525
1377.6169	---	14	P 6	685.4607	343.2340
1490.7009	---	15	L 5	588.4079	294.7076

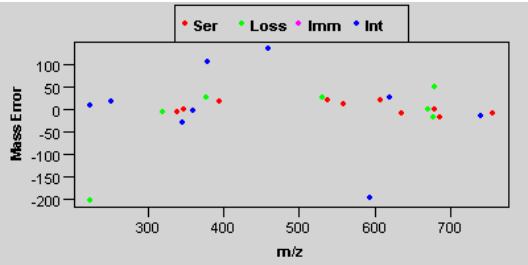
1618.7959	809.9016	16	**K**	4	475.3239	238.1656
1731.8800	866.4436	17	**L**	3	347.2289	174.1181
1818.9120	909.9596	18	**S**	2	234.1448	117.5761
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSGVTEEAPLKLSK^{+3}



Max Intensity: **41.1**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **87.3%** Matched Series Intensity: **84.9%**



Sequence SYSGVTEEAPLKLSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C71 H118 N17 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1609.8278	1608.8479	805.4176	804.9276	537.2809	536.9542

[–] **Peak Matches**

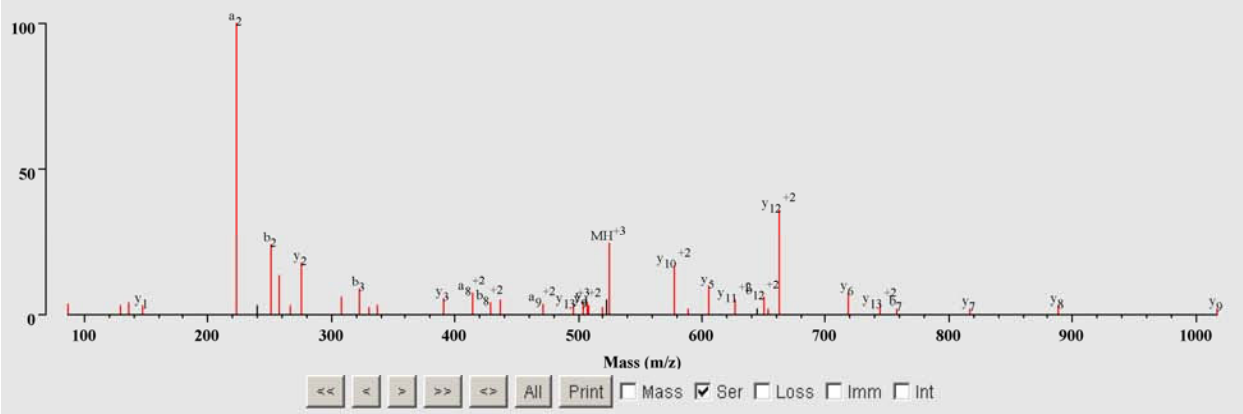
223.1096	**251.1072**	**281.0559**	**299.0632**	**320.1228**	**321.1278**	**337.1045**	**338.1324**	**345.1671**	**347.2294**
a_2(8.4) YS-28(8.4) y_6-H_2O^{+3}(-203)	b_2(18) YS(18)			b_3-H_2O(-4.1)			b_3(-6.7)	SGVT(-28)	y_3(1.4)
360.1397	**368.1555**	**371.2147**	**377.1560**	**379.2379**	**381.1388**	**395.1633**	**401.0972**	**406.0791**	**415.0388**
TEE(-1.2)			b_4-H_2O(28)	YSGV-28(106)		b_4(18)			
459.2709	**503.1008**	**513.9994**	**514.3277**	**519.1365**	**530.9653**	**534.3053**	**536.9647**	**558.3253**	**574.7395**
VTEE(136)					MH-H_2O^{+3}(28)		MH^{+3}(20)	y_{10}^{+2}(11)	
593.2481	**607.8651**	**619.2883**	**636.3589**	**670.8752**	**678.2984**	**679.8798**	**685.4498**	**740.3717**	**756.4906**
APLKLS-NH_3(-198)	y_{11}^{+2}(20)	YSGVTE-H_2O(26)	y_{12}^{+2}(-7.9)	y_{13}-H_2O^{+2}(0.83)	a_7-H_2O(-16)	b_{13}-NH_3^{+2}(50) y_{13}^{+2}(-0.22)	y_6(-16)	VTEEAPL(-15)	y_7(-9.5)

[–] **Main Sequence Ions**

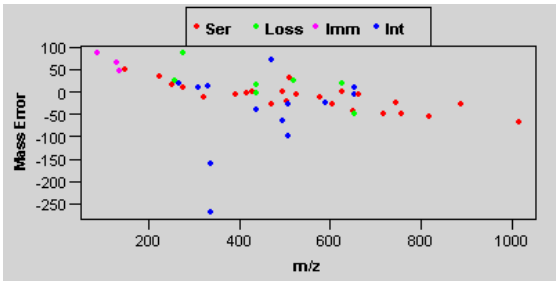
b	b^{+2}			y	y^{+2}
---	---	1	S 15	---	---
251.1026	---	2	Y 14	1521.8159	761.4116
338.1347	---	3	S 13	1358.7526	679.8799
395.1561	---	4	G 12	1271.7205	636.3639
494.2245	---	5	V 11	1214.6991	607.8532
595.2722	---	6	T 10	1115.6307	558.3190
724.3148	---	7	E 9	1014.5830	507.7951
853.3574	---	8	E 8	885.5404	443.2738
924.3945	---	9	A 7	756.4978	378.7525
1021.4473	---	10	P 6	685.4607	343.2340
1134.5313	---	11	L 5	588.4079	294.7076
1262.6263	631.8168	12	K 4	475.3239	238.1656
1375.7104	688.3588	13	L 3	347.2289	174.1181
1462.7424	731.8748	14	S 2	234.1448	117.5761
---	---	15	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVHKAVLTIDEK^{+3}



Max Intensity: **20.6**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **97.3%** Matched Series Intensity: **96.9%**



Sequence: SYAVHKAVLTIDEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C71 H117 N18 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1574.8285	1573.8584	787.9180	787.4329	525.6144	525.2910

[–] Peak Matches

86.1039	129.1105	136.0821	147.1201	223.1152	240.1394	251.1070	258.1512	266.1661	276.1580
L(87) I(87)	K(64)	Y(47)	y_1(50)	a_2(34)		b_2(17)	y_2-H_2O(25)	HK(19)	a_3-H_2O(86) y_2(9.4)
308.1748	**322.1356**	**330.1695**	**337.1439**	**391.1798**	**414.7394**	**428.7380**	**436.2494**	**471.2687**	**496.2800**
AVH(10)	b_3(-13)	TID(11) IDE-28(11)	HKA(-161) VHK-28(-269)	y_3(-6.5)	a_8^{+2}(-1.4)	b_8^{+2}(1.4)	y_8-NH_3^{+2}(17) y_{12}-NH_3^{+3}(-2.2) HKAV(-40) AVHK(-40) VHKA(-40)	YAVH(71) a_9^{+2}(-28)	y_{13}^{+3}(-0.64) KAVLT-NH_3(-66)
504.2548	**507.2893**	**508.8191**	**519.3009**	**523.2491**	**525.2885**	**577.3249**	**589.3310**	**605.2969**	**626.8677**
y_4(-23)	AVHKA(-29) VHKAV-28(-100)	y_9^{+2}(32)	MH-H_2O^{+3}(26)		MH^{+3}(-4.8)	y_{10}^{+2}(-13)	AVHKAV-NH_3(-25)	y_5(-28)	a_{12}-H_2O^{+2}(19) y_{11}^{+2}(1.7)
644.8250	**649.8316**	**653.3470**	**662.3804**	**718.3626**	**743.8985**	**757.3624**	**817.4214**	**888.4776**	**1016.5303**
	b_{12}^{+2}(-42)	YAVHKA-NH_3(9.8) VLTIDE-H_2O(-5.3) y_{12}-H_2O^{+2}(-50)	y_{12}^{+2}(-7.2)	y_6(-49)	y_{13}^{+2}(-25)	b_7(-49)	y_7(-55)	y_8(-29)	y_9(-67)

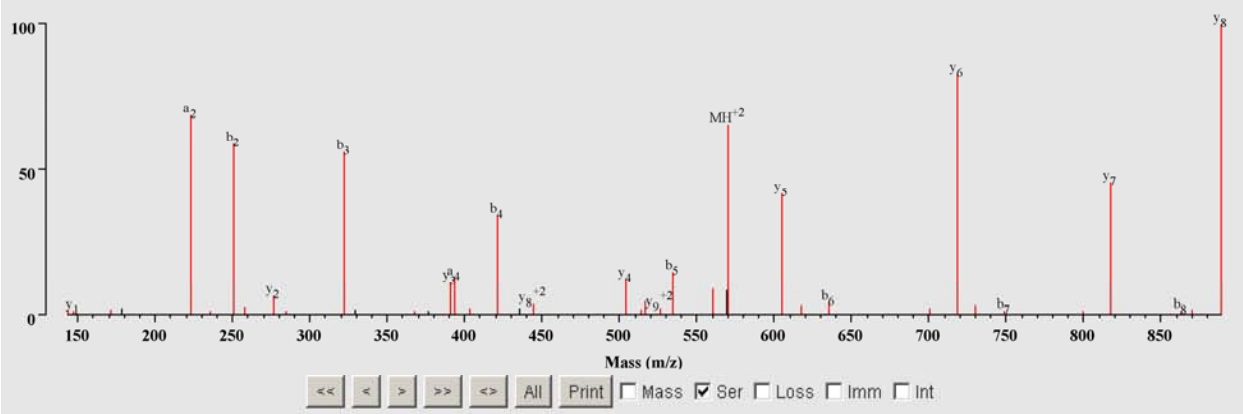
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1486.8264	743.9168
322.1397	---	3	**A**	12	1323.7631	662.3852
421.2082	---	4	**V**	11	1252.7260	626.8666
558.2671	279.6372	5	**H**	10	1153.6575	577.3324
686.3620	343.6847	6	**K**	9	1016.5986	508.8030
757.3991	379.2032	7	**A**	8	888.5037	444.7555
856.4676	428.7374	8	**V**	7	817.4666	409.2369
969.5516	485.2795	9	**L**	6	718.3981	359.7027
1070.5993	535.8033	10	**T**	5	605.3141	303.1607
1183.6834	592.3453	11	**I**	4	504.2664	252.6368
1298.7103	649.8588	12	**D**	3	391.1823	196.0948
1427.7529	714.3801	13	**E**	2	276.1554	138.5813

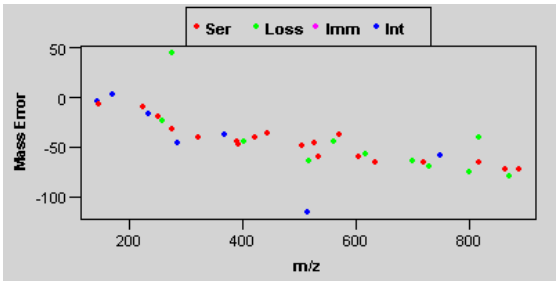
---	---	14	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVLTIDEK^{+2}



Max Intensity: **395**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.7%** Matched Series Intensity: **97.4%**



Sequence SYAVLTIDEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H84 N11 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1139.2986	1138.5990	570.1530	569.8032

[–] **Peak Matches**

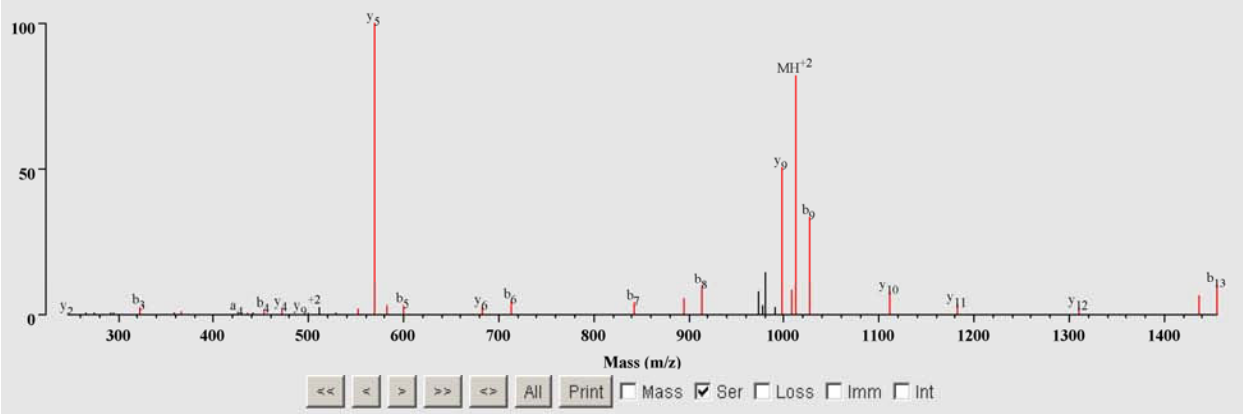
143.1173	147.1117	171.1134	178.0844	223.1055	235.1038	251.0976	258.1388	276.1466	284.1837
AV-28(-4.1)	y_1(-7.5)	AV(3.5)		a_2(-9.9)	YA(-17)	b_2(-20)	y_2-H_2O(-23)	a_3-H_2O(45) y_2(-32)	AVL(-46)
322.1267	**329.2586**	**367.2203**	**376.1748**	**391.1646**	**393.1942**	**403.1798**	**421.1910**	**435.2018**	**444.7396**
b_3(-41)		AVLT-H_2O(-37)		y_3(-45)	a_4(-48)	b_4-H_2O(-44)	b_4(-41)		y_8^{+2}(-36)
504.2416	**514.2637**	**516.2486**	**526.2629**	**534.2604**	**560.7732**	**569.2829**	**569.7821**	**605.2775**	**617.2944**
y_4(-49)	VLTID-28(-116)	b_5-H_2O(-64)	y_9^{+2}(-46)	b_5(-60)	MH-H_2O^{+2}(-44)		MH^{+2}(-37)	y_5(-60)	b_6-H_2O(-57)
635.2978	**700.3427**	**718.3510**	**730.3624**	**748.3799**	**799.3958**	**817.4123**	**863.3877**	**870.4232**	**888.4401**
b_6(-66)	y_6-H_2O(-64)	y_6(-66)	b_7-H_2O(-70)	b_7(-59) YAVLTID-28(-59)	y_7-H_2O(-75)	a_8-H_2O(-41) y_7(-66)	b_8(-73)	y_8-H_2O(-80)	y_8(-72)

[–] **Main Sequence Ions**

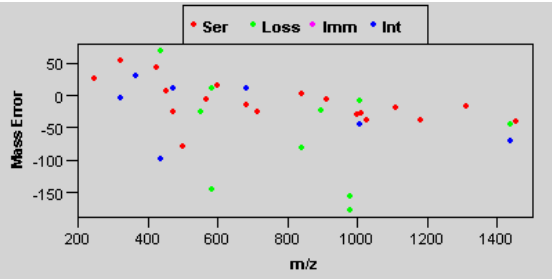
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1051.5670	526.2871
322.1397	3	A	8	888.5037	444.7555
421.2082	4	V	7	817.4666	409.2369
534.2922	5	L	6	718.3981	359.7027
635.3399	6	T	5	605.3141	303.1607
748.4240	7	I	4	504.2664	252.6368
863.4509	8	D	3	391.1823	196.0948
992.4935	9	E	2	276.1554	138.5813
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAMFLEAIPMSIPPEVK^{+2}



Max Intensity: **45.4**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **90.2%** Matched Series Intensity: **87.7%**



Sequence: SYAMFLEAIPMSIPPEVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C94 H148 N19 O26 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2024.4642	2023.0279	1012.7358	1012.0176

[–] Peak Matches

246.1874	266.2236	274.1001	292.2277	294.2355	322.1569	359.2027	366.1592	425.2032	435.1997
y_2(25)					b_3(53) AMF-28(-4.6)		YAM(30)	a_4(42)	b_4-H_2O(69) AMFL-28(-98)
441.2338	**453.1829**	**472.2641**	**499.2335**	**511.1959**	**529.2962**	**551.3051**	**569.3258**	**582.2440**	**600.2585**
	b_4(5.9)	AIPMS-28(11) y_4(-26)	y_9^{+2}(-79)			y_5-H_2O(-25)	y_5(-6.2)	b_5-H_2O(10) y_{11}-H_2O^{+2}(-145)	b_5(16)
682.4030	**713.3152**	**842.3766**	**895.3816**	**913.4074**	**973.0654**	**973.5760**	**977.0484**	**980.3376**	**980.8921**
AIPMSIP-28(11) y_6(-15)	b_6(-25)	b_7(1.5) y_{15}-H_2O^{+2}(-82)	b_8-H_2O(-23)	b_8(-5.5)				a_9-H_2O(-156) y_9-NH_3(-178)	
990.7771	**997.5085**	**1008.4773**	**1011.9907**	**1026.4561**	**1110.6018**	**1181.6135**	**1310.6818**	**1436.6299**	**1454.6455**
	y_9(-30)	b_9-H_2O(-8.6) YAMFLEAIP-28(-45)	MH^{+2}(-27)	b_9(-39)	y_{10}(-19)	y_{11}(-39)	y_{12}(-16)	b_{13}-H_2O(-45) YAMFLEAIPMSIP-28(-71)	b_{13}(-41)

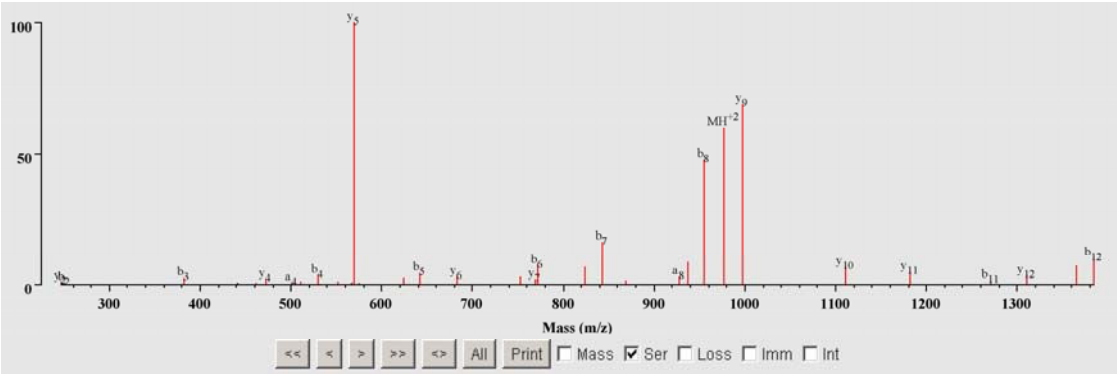
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1935.9959	968.5016
322.1397	3	A	16	1772.9325	886.9699
453.1802	4	M	15	1701.8954	851.4513
600.2486	5	F	14	1570.8549	785.9311
713.3327	6	L	13	1423.7865	712.3969
842.3753	7	E	12	1310.7025	655.8549
913.4124	8	A	11	1181.6599	591.3336
1026.4965	9	I	10	1110.6227	555.8150
1123.5492	10	P	9	997.5387	499.2730
1254.5897	11	M	8	900.4859	450.7466
1341.6218	12	S	7	769.4454	385.2264
1454.7058	13	I	6	682.4134	341.7103
1551.7586	14	P	5	569.3293	285.1683
1648.8113	15	P	4	472.2766	236.6419
1777.8539	16	E	3	375.2238	188.1155
1876.9224	17	V	2	246.1812	123.5942

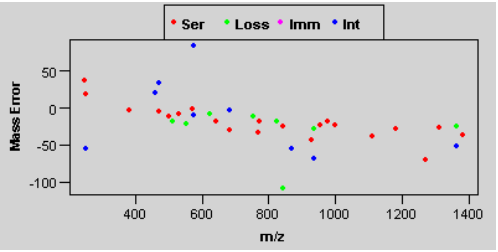
--- 18 **K** 1 147.1128 74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMFLEAIPMSIPPEVK^{+2}



Max Intensity: **168**
Num Matched: **31/33 (6.1% unmatched)** Matched Intensity: **99.7%** Matched Series Intensity: **99.6%**



Sequence SYMFLEAIPMSIPPEVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C91 H143 N18 O25 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1953.3849	1951.9908	977.1962	976.4990

[–] **Peak Matches**

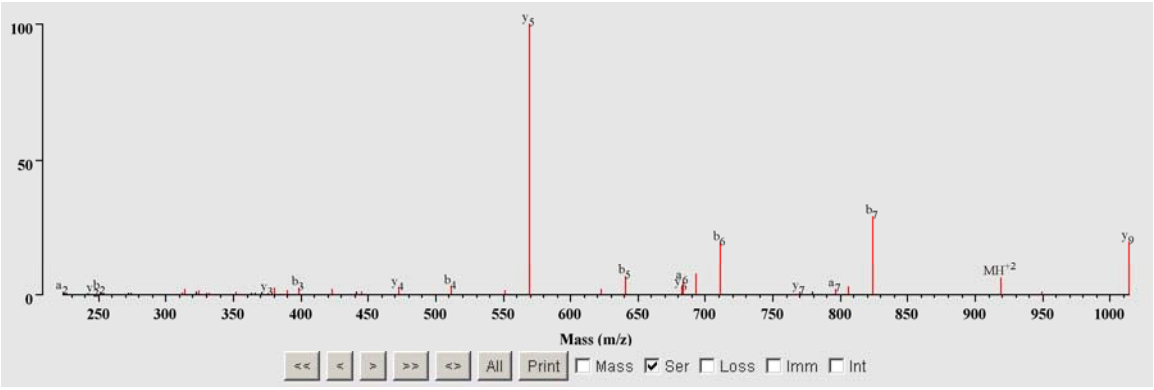
246.1904	251.1073	382.1421	441.2318	461.2485	472.2743	501.2104	511.1916	529.2069	551.3073
y_2(37)	b_2(19) MF-28(-56)	b_3(-2.7)		FLEA(20)	AIPMS-28(33) y_4(-4.8)	a_4(-12)	b_4-H_2O(-18)	b_4(-8.8)	y_5-H_2O(-21)
566.2951	**569.3280**	**574.3178**	**624.2798**	**642.2831**	**682.3931**	**753.3195**	**769.4199**	**771.3242**	**824.3492**
	y_5(-2.4)	MFLEA-H_2O(84) FLEAI(-10.0)	b_5-H_2O(-8.4)	b_5(-19)	AIPMSIP-28(-3.7) y_6(-30)	b_6-H_2O(-11)	y_7(-33)	b_6(-18)	b_7-H_2O(-19)
842.3546	**868.3785**	**927.4235**	**937.4218**	**955.4367**	**976.4805**	**997.5145**	**1110.5797**	**1181.6265**	**1270.4956**
b_7(-25) y_{15}-H_2O^{+2}(-109)	YMFLEAI(-56)	a_8(-44)	b_8-H_2O(-29) YMFLEAIP-28(-68)	b_8(-24)	MH^{+2}(-19)	y_9(-24)	y_{10}(-39)	y_{11}(-28)	b_{11}(-70)
1310.6681	**1365.6238**	**1383.6193**							
y_{12}(-26)	b_{12}-H_2O(-25) YMFLEAIPMSIP-28(-52)	b_{12}(-36)							

[–] **Main Sequence Ions**

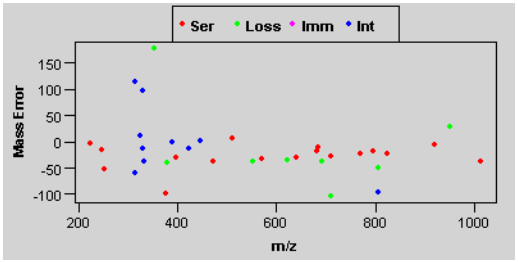
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1864.9587	932.9830
382.1431	3	M	1701.8954	851.4513
529.2115	4	F	1570.8549	785.9311
642.2956	5	L	1423.7865	712.3969
771.3382	6	E	1310.7025	655.8549
842.3753	7	A	1181.6599	591.3336
955.4594	8	I	1110.6227	555.8150
1052.5121	9	P	997.5387	499.2730
1183.5526	10	M	900.4859	450.7466
1270.5846	11	S	769.4454	385.2264
1383.6687	12	I	682.4134	341.7103
1480.7215	13	P	569.3293	285.1683
1577.7742	14	P	472.2766	236.6419
1706.8168	15	E	375.2238	188.1155
1805.8852	16	V	246.1812	123.5942
---	17	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFLEAIPM(Oxidation)SIPPEVK^{+2}



Max Intensity: **15.8**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **96.5%** Matched Series Intensity: **96.4%**



Sequence SYFLEAIPM(Oxidation)SIPPEVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C86 H134 N17 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1838.0247	1836.9452	919.5161	918.9762

[–] **Peak Matches**

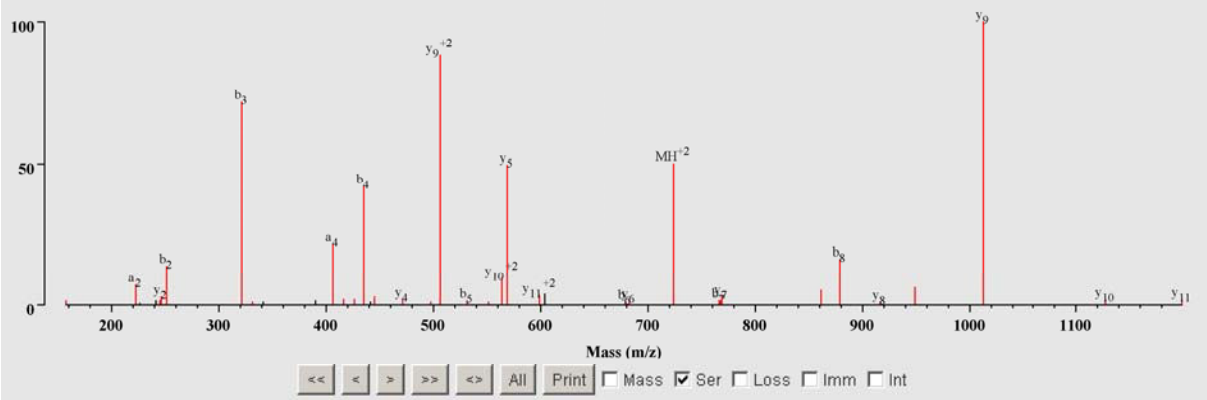
223.1068	246.1775	251.0892	272.1806	274.0938	312.2479	314.1525	322.1361	324.1592	330.1804
a_2(-4.1)	y_2(-15)	b_2(-53)				PM(Oxidation)S-H_2O(113) LEA(-59) EAI(-59)		PPE(12)	M(Oxidation)SI-H_2O(98) IPM(Oxidation)-28(-13)
332.1147	**352.2281**	**363.1474**	**366.1768**	**371.2074**	**375.1862**	**380.1453**	**390.2022**	**398.1587**	**423.2185**
PM(Oxidation)S(-38)	a_3-H_2O(178)				y_3(-100)	b_3-H_2O(-40)	FLE(-0.38)	b_3(-31)	PPEV(-13)
441.2467	**445.2122**	**472.2590**	**511.2584**	**551.2981**	**569.3109**	**622.2645**	**640.2784**	**682.4002**	**683.3327**
	M(Oxidation)SIP(1.5) PM(Oxidation)SI(1.5) IPM(Oxidation)S(1.5)	y_4(-37)	b_4(6.4)	y_5-H_2O(-37)	y_5(-32)	b_5-H_2O(-36)	b_5(-30)	y_6(-19)	a_6(-11)
693.2980	**711.3152**	**769.4268**	**779.3594**	**796.4105**	**806.3676**	**824.4000**	**918.9711**	**949.5617**	**1013.4957**
b_6-H_2O(-38)	b_6(-28) y_{13}-H_2O^{+2}(-104)	y_7(-24)		a_7(-17)	b_7-H_2O(-50) YFLEAIP-28(-96)	b_7(-23)	MH^{+2}(-5.6)	y_9-$SOCH_4$(28)	y_9(-37)

[–] **Main Sequence Ions**

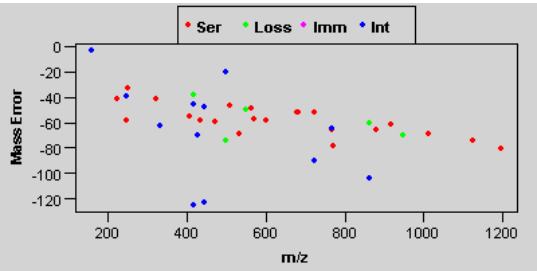
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1749.9132	875.4602
398.1710	3	F	1586.8498	793.9286
511.2551	4	L	1439.7814	720.3944
640.2977	5	E	1326.6974	663.8523
711.3348	6	A	1197.6548	599.3310
824.4189	7	I	1126.6177	563.8125
921.4716	8	P	1013.5336	507.2704
1068.5070	9	M(Oxidation)	916.4808	458.7441
1155.5391	10	S	769.4454	385.2264
1268.6231	11	I	682.4134	341.7103
1365.6759	12	P	569.3293	285.1683
1462.7287	13	P	472.2766	236.6419
1591.7713	14	E	375.2238	188.1155
1690.8397	15	V	246.1812	123.5942
---	16	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAIPM(Oxidation)SIPPEVK^{+2}



Max Intensity: **86.1**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **97.8%** Matched Series Intensity: **97.6%**



Sequence SYAIPM(Oxidation)SIPPEVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H107 N14 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1448.5701	1447.7501	724.7888	724.3787

[–] Peak Matches

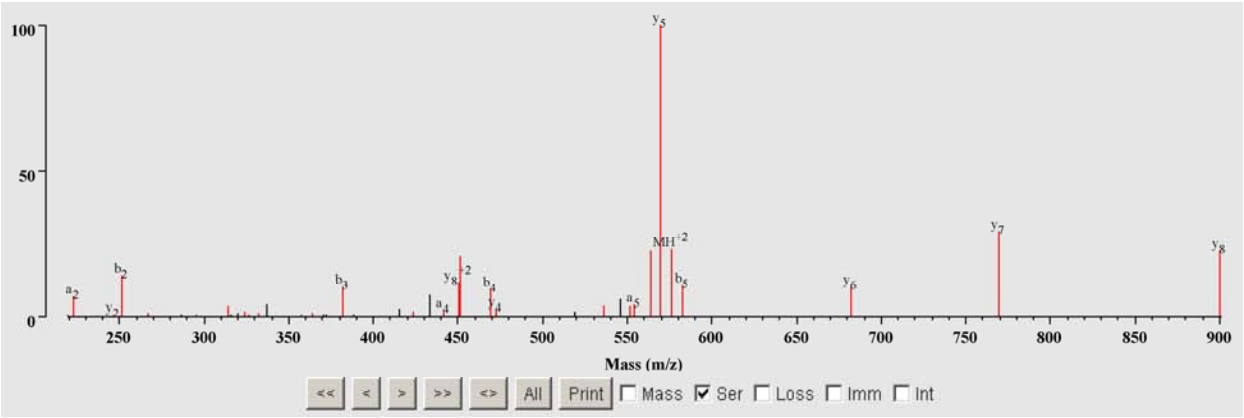
157.1330	223.0985	226.1367	242.1360	245.0858	246.1670	251.0944	322.1263	332.1067	342.1484
AI-28(-3.4)	a_2(-41)			PM(Oxidation)(-39)	y_2(-58)	b_2(-33)	b_3(-42)	PM(Oxidation)S(-63)	
390.1796	**407.2064**	**417.1976**	**427.1711**	**435.1987**	**441.2053**	**445.1900**	**472.2487**	**498.2281**	**507.2464**
	a_4(-55)	b_4-H_2O(-38) PM(Oxidation)SI-28(-46) IPM(Oxidation)S-28(-46) M(Oxidation)SIP-28(-46) YAIP-28(-125)	IPM(Oxidation)S-H_2O(-70) PM(Oxidation)SI-H_2O(-70) M(Oxidation)SIP-H_2O(-70)	b_4(-58)		IPM(Oxidation)S(-48) PM(Oxidation)SI(-48) M(Oxidation)SIP(-48) YAIP(-123)	y_4(-59)	AIPM(Oxidation)S-H_2O(-20) y_9-H_2O^{+2}(-74)	y_9^{+2}(-47)
532.2398	**551.2910**	**563.7846**	**569.2967**	**599.2964**	**604.2995**	**679.2764**	**682.3779**	**723.9262**	**724.3413**
b_5(-69)	y_5-H_2O(-50)	y_{10}^{+2}(-49)	y_5(-57)	y_{11}^{+2}(-58)		YAIPM(Oxidation)S(-52) b_6(-52)	y_6(-52)		MH^{+2}(-52) IPM(Oxidation)SIPP-28(-90)
766.2935	**768.3094**	**769.3853**	**861.3646**	**879.3701**	**916.4240**	**949.4686**	**1013.4635**	**1126.5339**	**1197.5581**
b_7(-66)	PM(Oxidation)SIPPE(-65)	y_7(-78)	b_8-H_2O(-61) YAIPM(Oxidation)SIP-28(-104)	b_8(-66)	y_8(-62)	y_9-$SOCH_4$(-70)	y_9(-69)	y_{10}(-74)	y_{11}(-81)

[–] Main Sequence Ions

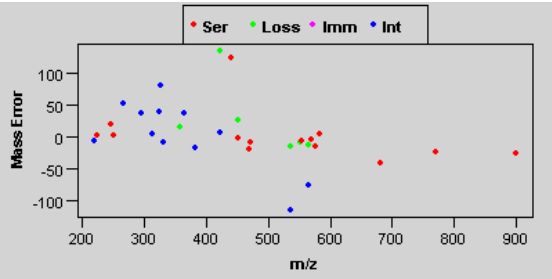
b				y	y^{+2}
---	1	**S**	13	---	---
251.1026	2	**Y**	12	1360.7181	680.8627
322.1397	3	**A**	11	1197.6548	599.3310
435.2238	4	**I**	10	1126.6177	563.8125
532.2766	5	**P**	9	1013.5336	507.2704
679.3120	6	**M(Oxidation)**	8	916.4808	458.7441
766.3440	7	**S**	7	769.4454	385.2264
879.4281	8	**I**	6	682.4134	341.7103
976.4808	9	**P**	5	569.3293	285.1683
1073.5336	10	**P**	4	472.2766	236.6419
1202.5762	11	**E**	3	375.2238	188.1155
1301.6446	12	**V**	2	246.1812	123.5942
---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMSIPPEVK^{+2}



Max Intensity: **28.4**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **92.5%** Matched Series Intensity: **92.0%**



Sequence SYMSIPPEVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C52 H84 N11 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1151.3753	1150.5813	576.1914	575.7943

[–] Peak Matches

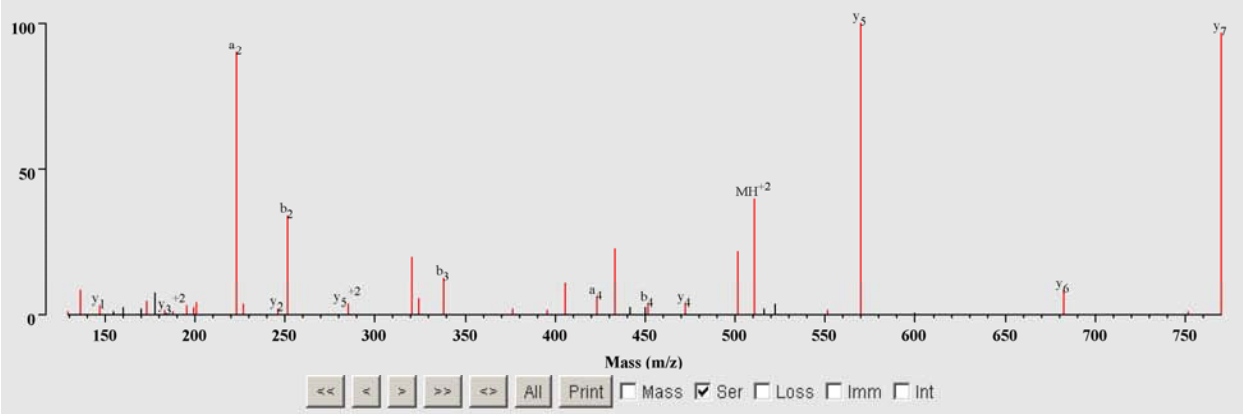
219.0783	223.1085	246.1862	251.1032	267.1304	286.1566	295.1219	314.1549	316.1239	320.1243
MS(-6.8)	a_2(3.5)	y_2(20)	b_2(2.3)	YM-28(53)		YM(37)	MSI-H_2O(5.1)		
324.1687	**326.1978**	**332.1610**	**337.1262**	**357.2191**	**364.1459**	**370.1845**	**372.2321**	**382.1368**	**388.1879**
PPE(41)	PEV(82)	MSI(-8.6)		y_3-H_2O(16)	b_3-H_2O(37) YMS-H_2O(37)			b_3(-17) YMS(-17)	
415.1976	**423.2273**	**433.2070**	**441.2351**	**450.7463**	**451.1764**	**469.1666**	**472.2732**	**519.2003**	**536.2464**
	a_4-H_2O(136) PPEV(8.2)		a_4(124)	y_8^{+2}(-0.66)	b_4-H_2O(26)	b_4(-18)	y_4(-7.1)		a_5-H_2O(-14) IPPEV(-115)
546.2288	**551.3145**	**554.2605**	**564.2421**	**569.3272**	**575.7856**	**582.2620**	**682.3857**	**769.4269**	**900.4633**
	y_5-H_2O(-7.8)	a_5(-6.8)	b_5-H_2O(-12) YMSIP-28(-76)	y_5(-3.8)	MH^{+2}(-15)	b_5(4.8)	y_6(-41)	y_7(-24)	y_8(-25)

[–] Main Sequence Ions

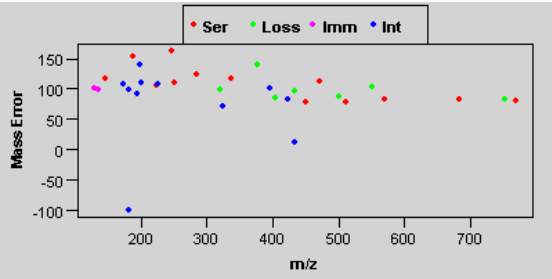
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1063.5492	532.2783
382.1431	3	M	8	900.4859	450.7466
469.1751	4	S	7	769.4454	385.2264
582.2592	5	I	6	682.4134	341.7103
679.3120	6	P	5	569.3293	285.1683
776.3647	7	P	4	472.2766	236.6419
905.4073	8	E	3	375.2238	188.1155
1004.4757	9	V	2	246.1812	123.5942
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSIPPEVK^{+2}



Max Intensity: **8.19**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **95.4%** Matched Series Intensity: **95.5%**



Sequence: SYSIPPEVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C47 H75 N10 O15

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1020.1775	1019.5408	510.5925	510.2740

[–] **Peak Matches**

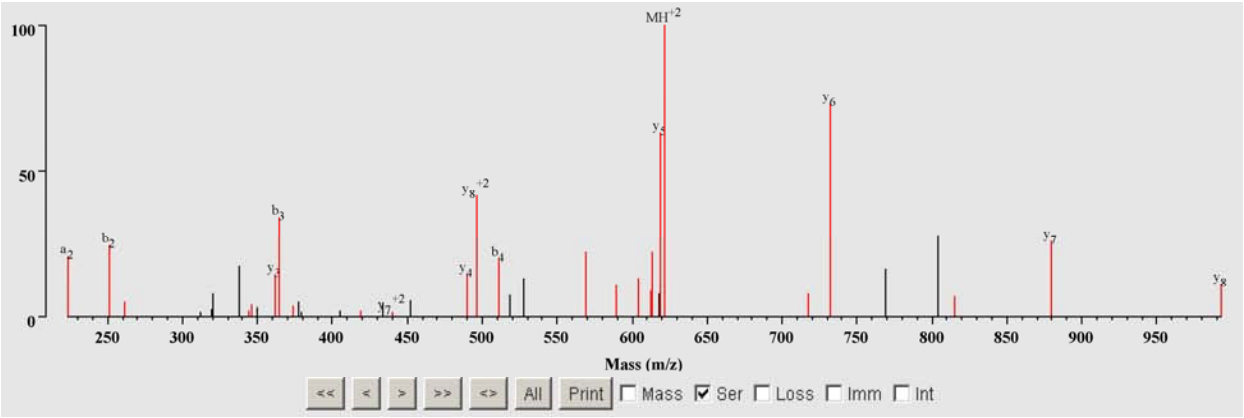
129.1154	136.0890	147.1302	155.1277	160.0944	170.1353	173.1472	178.1041	183.1309	188.1446
K(102)	Y(98)	y_1(118)				SI-28(108)		SI-H_2O(99) IP-28(-100)	y_3^{+2}(154)
195.1305	**199.1357**	**201.1455**	**223.1312**	**227.1274**	**246.2214**	**251.1303**	**285.2037**	**320.1556**	**324.1783**
PP(91)	PE-28(141)	EV-28(110) SI(110)	YS-28(105) a_2(105)	PE(109)	y_2(163)	YS(110) b_2(110)	y_5^{+2}(124)	b_3-H_2O(98)	PPE(71)
338.1739	**376.2740**	**395.2694**	**405.2482**	**423.2588**	**433.2497**	**441.2711**	**450.0224**	**451.2540**	**472.3301**
b_3(116)	y_7-H_2O^{+2}(141)	PPEV-28(102) SIPP(102)	PPEV-H_2O(86) a_4-H_2O(86)	a_4(83) PPEV(83)	b_4-H_2O(96) YSIP-28(12)			b_4(78)	y_4(113)
501.3124	**510.3144**	**516.3143**	**521.7892**	**551.3754**	**569.3774**	**599.7111**	**682.4699**	**751.4977**	**769.5071**
MH-H_2O^{+2}(87)	MH^{+2}(79)			y_5-H_2O(103)	y_5(84)		y_6(83)	y_7-H_2O(84)	y_7(80)

[–] **Main Sequence Ions**

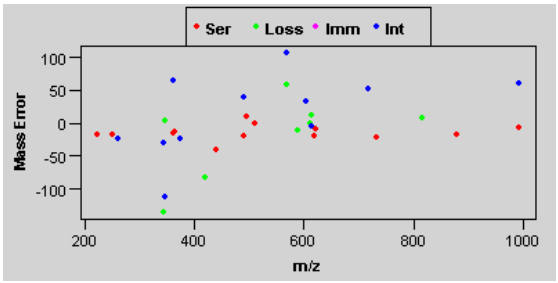
b			y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	932.5088	466.7580
338.1347	3	S	7	769.4454	385.2264
451.2187	4	I	6	682.4134	341.7103
548.2715	5	P	5	569.3293	285.1683
645.3243	6	P	4	472.2766	236.6419
774.3668	7	E	3	375.2238	188.1155
873.4353	8	V	2	246.1812	123.5942
---	9	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLM(Oxidation)IEQNTK^{+2}



Max Intensity: **17.1**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **81.7%** Matched Series Intensity: **76.8%**



Sequence: SYLM(Oxidation)IEQNTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C53 H88 N13 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1243.2681	1242.6035	622.1378	621.8054

[–] Peak Matches

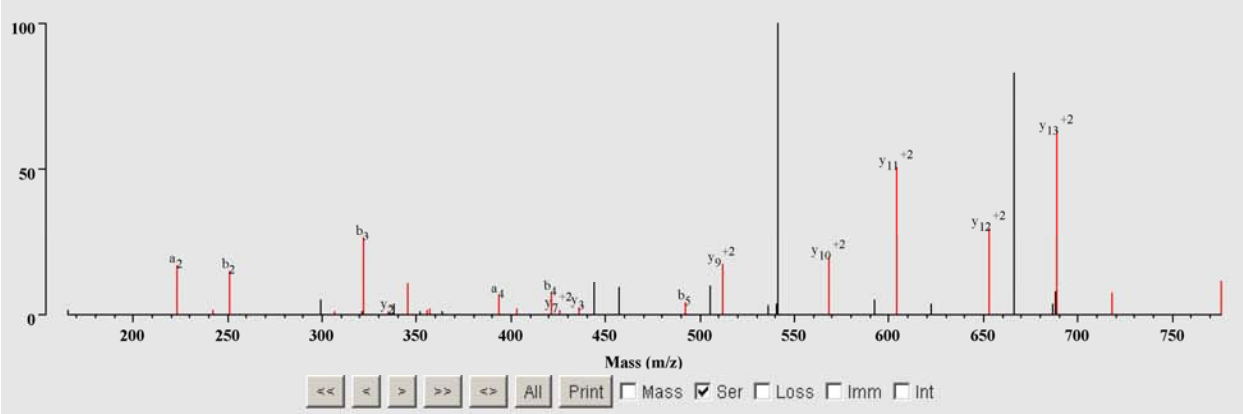
223.1040	**251.0982**	**261.1208**	**312.1475**	**319.1717**	**320.1228**	**338.1289**	**344.1462**	**346.1772**	**350.1279**
a_2(-17)	b_2(-18)	LM(Oxidation)(-23) M(Oxidation)I(-23)					QNT(-30) EQN-28(-30) y_3-H_2O(-136)	b_3-H_2O(3.1) LM(Oxidation)I-28(-112)	
362.1975	**364.1817**	**374.2023**	**377.2093**	**379.1752**	**405.2118**	**419.1935**	**433.1956**	**440.1976**	**452.1975**
M(Oxidation)IE-28(64) y_3(-16)	b_3(-14)	LM(Oxidation)I(-23)				a_4-$SOCH_4$(-84)		y_7^{+2}(-41)	
490.2525	**496.7624**	**511.2220**	**518.7743**	**527.7705**	**569.3177**	**589.7997**	**604.2958**	**612.7996**	**613.2988**
M(Oxidation)IEQ-28(40) y_4(-19)	y_8^{+2}(9.5)	b_4(-0.19)			IEQNT-NH_3(107) y_9-H_2O^{+2}(59)	MH-$SOCH_4^{+2}$(-11)	M(Oxidation)IEQN-28(33)	MH-H_2O^{+2}(-0.80)	MH-NH_3^{+2}(11) LM(Oxidation)IEQ-H_2O(-4.3)
618.3324	**619.2930**	**621.7994**	**717.3968**	**732.3734**	**769.4241**	**804.4280**	**815.4318**	**879.4080**	**992.5003**
	y_5(-19)	MH^{+2}(-9.6)	LM(Oxidation)IEQN-28(51)	y_6(-21)			y_7-$SOCH_4$(7.4)	y_7(-18)	YLM(Oxidation)IEQNT-NH_3(61) y_8(-7.8)

[–] Main Sequence Ions

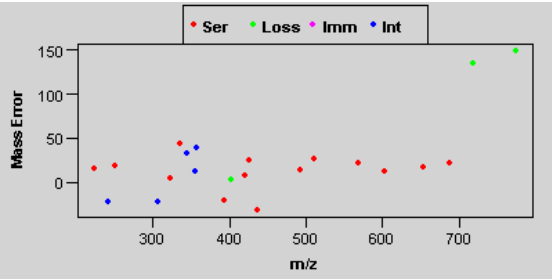
b			y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1155.5714	578.2894
364.1867	3	L	8	992.5081	496.7577
511.2221	4	M(Oxidation)	7	879.4240	440.2157
624.3062	5	I	6	732.3886	366.6980
753.3488	6	E	5	619.3046	310.1559
881.4073	7	Q	4	490.2620	245.6346
995.4503	8	N	3	362.2034	181.6053
1096.4979	9	T	2	248.1605	124.5839
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVALGDGGHYTC(Carbamidomethyl)R^{+3}



Max Intensity: **25.8**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **51.7%** Matched Series Intensity: **51.8%**



Sequence: SYAVALGDGGHYTC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H104 N21 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1627.6212	1626.7329	814.3143	813.8701	543.2120	542.9158

[–] Peak Matches

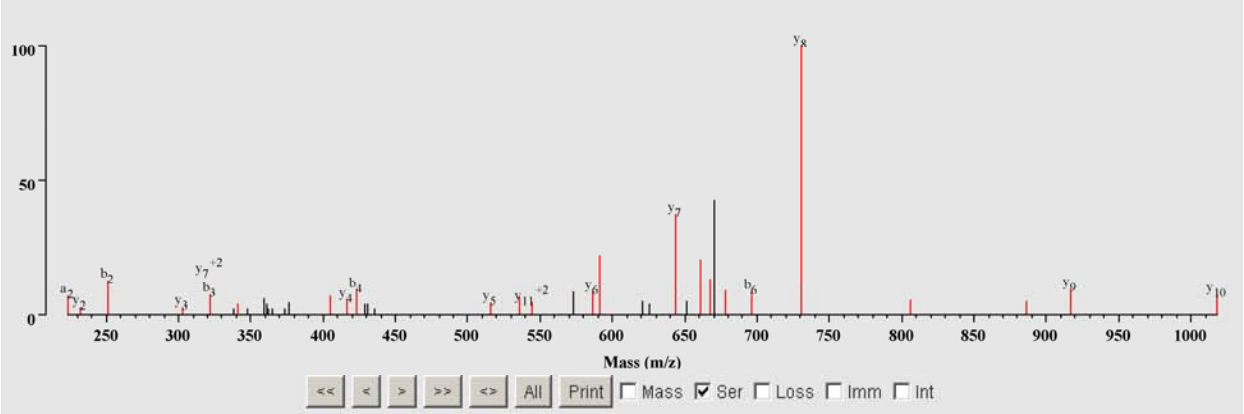
165.0768	**223.1110**	**242.1443**	**251.1072**	**299.1451**	**306.1746**	**321.1414**	**322.1412**	**335.1644**	**338.1707**
	a_2(15)	AVA(-23) ALG(-23)	b_2(18)		YAV-28(-22)		b_3(4.5)	y_2(44)	
345.1829	**352.1375**	**355.2383**	**357.1909**	**363.1997**	**393.2051**	**403.1984**	**421.2113**	**425.6950**	**436.1834**
VALGDGGH-H_2O^{+2}(32)		AVAL(12)	ALGD(39)		a_4(-21)	b_4-H_2O(2.0)	b_4(7.5)	y_7^{+2}(24)	y_3(-32)
444.2521	**456.7679**	**492.2518**	**505.2835**	**511.7227**	**536.2762**	**540.2817**	**540.8108**	**541.2722**	**568.2635**
		b_5(13)		y_9^{+2}(27)					y_{10}^{+2}(22)
592.2687	**603.7768**	**622.3353**	**653.3152**	**665.8540**	**686.3720**	**687.8656**	**688.8366**	**718.4062**	**775.4456**
	y_{11}^{+2}(12)		y_{12}^{+2}(17)				y_{13}^{+2}(21)	y_5-H_2O(135)	y_6-H_2O(149)

[–] Main Sequence Ions

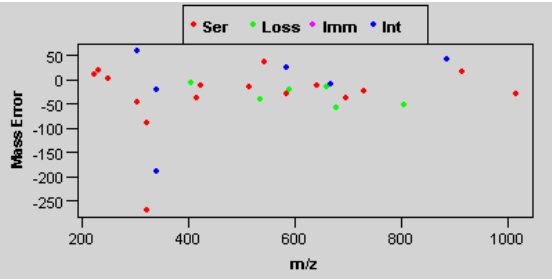
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1539.7009	770.3541
322.1397	---	3	A	13	1376.6376	688.8224
421.2082	---	4	V	12	1305.6004	653.3039
492.2453	---	5	A	11	1206.5320	603.7697
605.3293	---	6	L	10	1135.4949	568.2511
662.3508	---	7	G	9	1022.4109	511.7091
777.3777	---	8	D	8	965.3894	483.1983
834.3992	---	9	G	7	850.3624	425.6849
891.4207	---	10	G	6	793.3410	397.1741
1028.4796	514.7434	11	H	5	736.3195	368.6634
1191.5429	596.2751	12	Y	4	599.2606	300.1339
1292.5906	646.7989	13	T	3	436.1973	218.6023
1452.6212	726.8143	14	C(Carbamidomethyl)	2	335.1496	168.0784
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATWSGAVLAGR^{+2}



Max Intensity: **2.92**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **76.1%** Matched Series Intensity: **74.9%**



Sequence SYATWSGAVLAGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H92 N17 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1339.5027	1338.6801	670.2551	669.8437

[–] **Peak Matches**

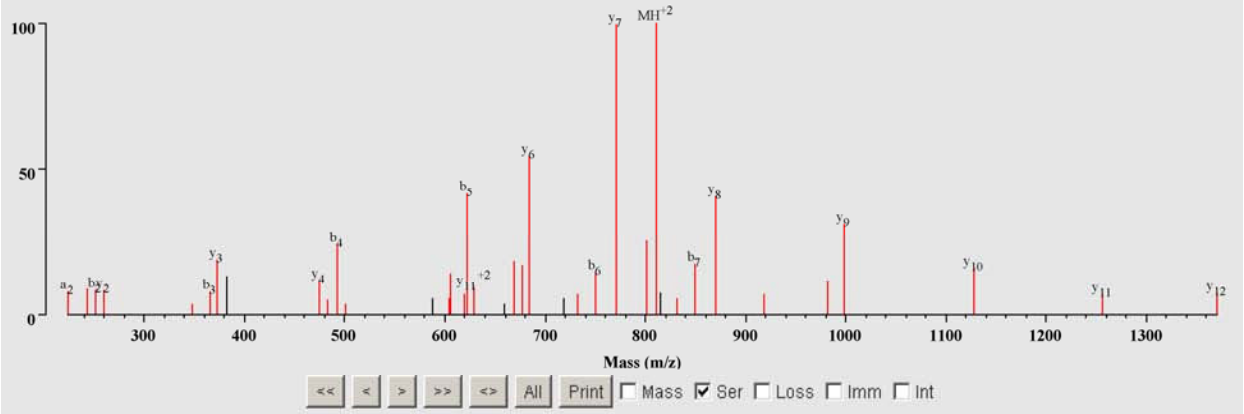
223.1102	232.1450	251.1033	303.1633	322.1111	338.1345	341.1540	348.1334	359.0201	361.0082
a_2(11)	y_2(20)	b_2(2.7)	WSG-28(60) y_3(-47)	b_3(-89) y_7^{+2}(-269)		ATW-H_2O(-20) VLAG(-189) GAVL(-189)			
362.1745	**365.0767**	**373.2220**	**376.2103**	**405.1740**	**416.2456**	**423.1818**	**429.0766**	**431.0827**	**435.9741**
				b_4-H_2O(-7.1)	y_4(-38)	b_4(-13)			
515.3222	**536.2609**	**544.8168**	**573.2405**	**586.3497**	**591.2440**	**620.3321**	**625.2997**	**643.3811**	**651.2848**
y_5(-15)	y_{11}-NH_3^{+2}(-41)	y_{11}^{+2}(38)		WSGAVL-28(25) y_6(-30)	YATWS-H_2O(-21) b_5-H_2O(-21)			y_7(-12)	
660.8294	**667.3493**	**670.3186**	**678.2499**	**696.2740**	**730.4045**	**806.3050**	**886.5173**	**916.5157**	**1017.5182**
MH-H_2O^{+2}(-14)	WSGAVLA-H_2O(-10)		b_6-H_2O(-56)	b_6(-36)	y_8(-22)	b_8-H_2O(-52)	ATWSGAVLAG-28(44)	y_9(17)	y_{10}(-29)

[–] **Main Sequence Ions**

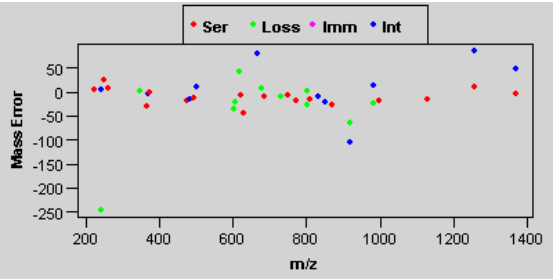
b			y	y^{+2}
---	1	S	13 ---	---
251.1026	2	Y	12 1251.6480	626.3277
322.1397	3	A	11 1088.5847	544.7960
423.1874	4	T	10 1017.5476	509.2774
609.2667	5	W	9 916.4999	458.7536
696.2988	6	S	8 730.4206	365.7139
753.3202	7	G	7 643.3886	322.1979
824.3573	8	A	6 586.3671	293.6872
923.4258	9	V	5 515.3300	258.1686
1036.5098	10	L	4 416.2616	208.6344
1107.5469	11	A	3 303.1775	152.0924
1164.5684	12	G	2 232.1404	116.5738
---	13	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNQEQVSPLTLLK^{+2}



Max Intensity: **5.39**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **95.1%** Matched Series Intensity: **94.0%**



Sequence SYNQEQVSPLTLLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H119 N18 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1620.8543	1619.8639	810.9309	810.4356

[–] **Peak Matches**

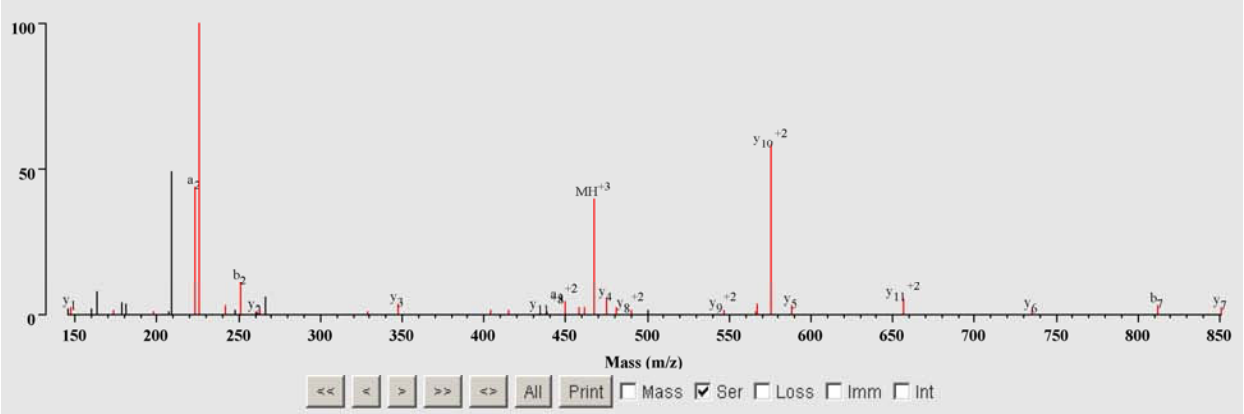
223.1085	243.1102	251.1092	260.1985	348.1198	365.1344	372.1500	373.2809	382.1682	474.3197
a_2(3.5)	NQ(5.8) y_2-NH_3(-247)	b_2(26)	y_2(6.3)	b_3-NH_3(2.3)	b_3(-31)	NQE(-3.7)	y_3(-0.086)		y_4(-19)
483.1760	**493.1981**	**500.2153**	**588.1870**	**604.2143**	**605.2080**	**619.8796**	**622.2428**	**628.3389**	**659.8652**
NQEQ-NH_3(-15)	b_4(-12)	NQEQ(11)		b_5-H_2O(-36)	b_5-NH_3(-20)	y_{11}-NH_3^{+2}(43)	b_5(-6.3)	y_{11}^{+2}(-44)	
668.3524	**676.8790**	**684.4589**	**718.2514**	**732.2868**	**750.3000**	**771.4843**	**801.4328**	**801.9018**	**810.4224**
NQEQVS-H_2O(79)	y_{12}-NH_3^{+2}(6.4)	y_6(-9.6)		b_6-H_2O(-11)	b_6(-7.1)	y_7(-17)	MH-H_2O^{+2}(3.1)	MH-NH_3^{+2}(-26)	MH^{+2}(-16)
815.3169	**831.3545**	**849.3567**	**870.5425**	**918.3343**	**981.5741**	**998.6077**	**1127.6487**	**1255.7398**	**1369.7651**
	b_7-H_2O(-10) YNQEQVS-H_2O(-10)	b_7(-20) YNQEQVS(-20)	y_8(-27)	b_8-H_2O(-66) YNQEQVSP-28(-106)	EQVSPLTLL(13) y_9-NH_3(-24)	y_9(-17)	y_{10}(-16)	YNQEQVSPLTL-H_2O(86) y_{11}(11)	YNQEQVSPLTLL-NH_3(48) y_{12}(-2.5)

[–] **Main Sequence Ions**

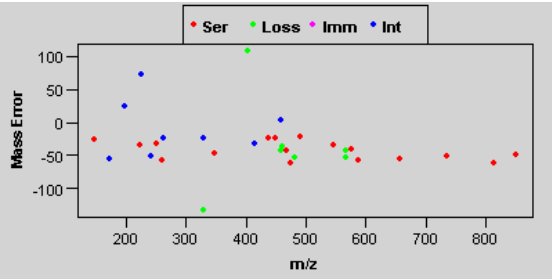
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1532.8319	766.9196
365.1456	3	N	1369.7686	685.3879
493.2041	4	Q	1255.7256	628.3665
622.2467	5	E	1127.6671	564.3372
750.3053	6	Q	998.6245	499.8159
849.3737	7	V	870.5659	435.7866
936.4058	8	S	771.4975	386.2524
1033.4585	9	P	684.4654	342.7364
1146.5426	10	L	587.4127	294.2100
1247.5903	11	T	474.3286	237.6679
1360.6743	12	L	373.2809	187.1441
1473.7584	13	L	260.1969	130.6021
---	14	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGNKDFLQSLK^{+3}



Max Intensity: **90.0**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **79.9%** Matched Series Intensity: **80.2%**



Sequence SYGNKDFLQSLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H99 N16 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1400.5839	1399.7216	700.7956	700.3644	467.5329	467.2454

[–] **Peak Matches**

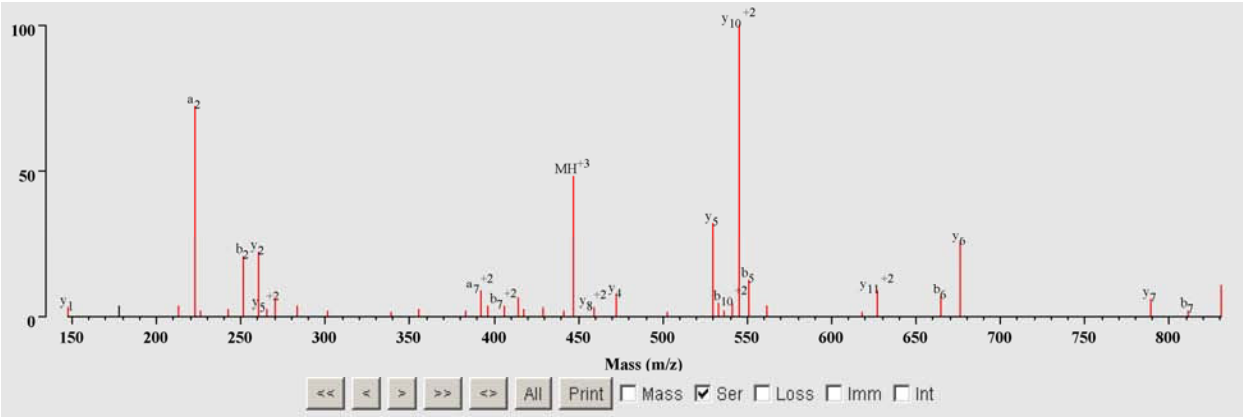
145.0968	147.1089	160.0721	163.1085	173.1190	178.0826	181.1164	198.0920	207.1019	209.1115
	y_1(-27)			SL-28(-55)			QS-H_2O(24)		
223.1000	**226.1352**	**242.1374**	**248.1160**	**251.0944**	**260.1820**	**263.0966**	**266.1263**	**329.1744**	**347.2121**
a_2(-35)	KD-H_2O(73) NK-NH_3(73)	LQ(-52)		b_2(-33)	y_2(-57)	DF(-23)		QSL(-23) LQS(-23) y_3-H_2O(-133)	y_3(-48)
404.2003	**415.1801**	**438.2246**	**449.2167**	**458.2417**	**461.2246**	**467.2255**	**475.2582**	**480.7538**	**489.7744**
b_4-H_2O(108)	GNKD(-32)	y_{11}^{+3}(-23)	a_8^{+2}(-23)	FLQS-H_2O(4.2) y_4-NH_3(-42)	MH-H_2O^{+3}(-37)	MH^{+3}(-43)	y_4(-62)	y_8-H_2O^{+2}(-53)	y_8^{+2}(-21)
500.2454	**546.7872**	**566.2817**	**566.7795**	**575.2929**	**588.3375**	**656.8124**	**735.4018**	**812.3074**	**850.4255**
	y_9^{+2}(-34)	y_{10}-H_2O^{+2}(-53)	y_{10}-NH_3^{+2}(-42)	y_{10}^{+2}(-41)	y_5(-58)	y_{11}^{+2}(-55)	y_6(-52)	b_7(-61)	y_7(-49)

[–] **Main Sequence Ions**

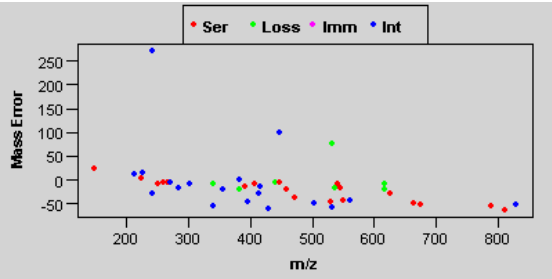
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1312.6896	656.8484
308.1241	---	3	**G**	10	1149.6262	575.3168
422.1670	---	4	**N**	9	1092.6048	546.8060
550.2620	275.6346	5	**K**	8	978.5619	489.7846
665.2889	333.1481	6	**D**	7	850.4669	425.7371
812.3573	406.6823	7	**F**	6	735.4400	368.2236
925.4414	463.2243	8	**L**	5	588.3715	294.6894
1053.5000	527.2536	9	**Q**	4	475.2875	238.1474
1140.5320	570.7696	10	**S**	3	347.2289	174.1181
1253.6161	627.3117	11	**L**	2	260.1969	130.6021
---	---	12	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGDKLFGPDLK^{+3}



Max Intensity: **230**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.2%** Matched Series Intensity: **99.1%**



Sequence SYGDKLFGPDLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H95 N14 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1340.5280	1339.6892	670.7677	670.3483	447.5143	447.2346

[–] Peak Matches

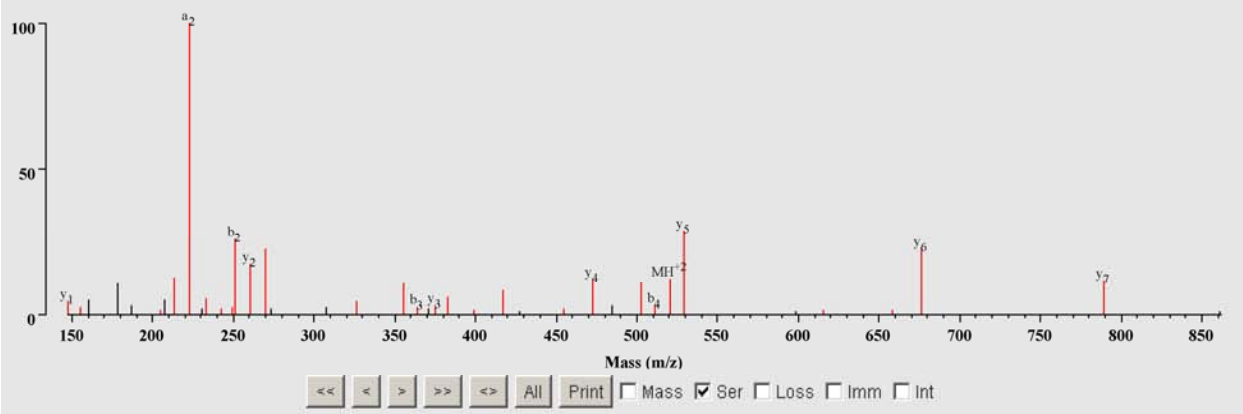
147.1163	178.0869	213.0898	223.1084	226.1222	242.1792	251.1006	260.1955	265.1510	270.1066
y_1(24)		PD(13)	a_2(3.1)	DK-H_2O(16)	GPD-28(271) KL(-29)	b_2(-8.1)	y_2(-5.3)	y_5^{+2}(-6.3)	GPD(-6.8)
283.1349	**301.1485**	**339.1838**	**355.1902**	**383.1930**	**392.2003**	**396.2061**	**406.1992**	**414.2224**	**417.1706**
GDK-H_2O(-18)	GDK(-7.1)	y_9-NH_3^{+3}(-8.9) DKL-H_2O(-56)	GPDL-28(-21)	GPDL(1.3) a_7-H_2O^{+2}(-19)	a_7^{+2}(-13)	GDKL-H_2O(-46)	b_7^{+2}(-9.1)	GDKL(-30)	FGPD(-15)
429.2229	**441.2281**	**447.2318**	**459.2676**	**472.2587**	**502.2418**	**529.2739**	**533.2766**	**536.2857**	**540.7481**
KLFG-NH_3(-62)	MH-H_2O^{+3}(-6.7)	YGDK-NH_3(99) MH^{+3}(-6.3)	y_8^{+2}(-19)	y_4(-38)	FGPDL-28(-48) LFGPD-28(-48)	y_5(-46)	b_5-H_2O(77) GDKLF-28(-59) DKLFG-28(-59)	y_{10}-H_2O^{+2}(-18)	b_{10}^{+2}(-9.9)
545.2909	**551.2227**	**561.2798**	**618.3129**	**626.8133**	**664.2972**	**676.3320**	**789.4068**	**811.3468**	**830.3610**
y_{10}^{+2}(-18)	b_5(-42)	GDKLF(-42) DKLFG(-42)	y_{11}-NH_3^{+2}(-9.8) GDKLFG(-19) a_6-H_2O(-19)	y_{11}^{+2}(-30)	b_6(-49)	y_6(-51)	y_7(-55)	b_7(-64)	GDKLFGPD(-52)

[–] Main Sequence Ions

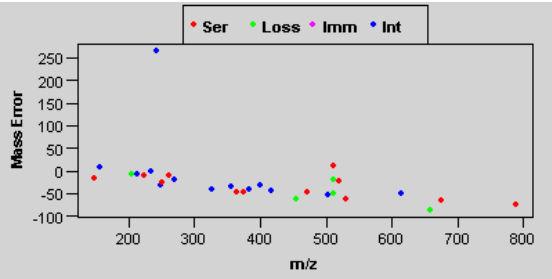
b	b^{+2}			y	y^{+2}
---	---	1	S 12	---	---
251.1026	---	2	Y 11	1252.6572	626.8322
308.1241	---	3	G 10	1089.5939	545.3006
423.1510	---	4	D 9	1032.5724	516.7898
551.2460	276.1266	5	K 8	917.5455	459.2764
664.3301	332.6687	6	L 7	789.4505	395.2289
811.3985	406.2029	7	F 6	676.3665	338.6869
868.4199	434.7136	8	G 5	529.2980	265.1527
965.4727	483.2400	9	P 4	472.2766	236.6419
1080.4997	540.7535	10	D 3	375.2238	188.1155
1193.5837	597.2955	11	L 2	260.1969	130.6021
---	---	12	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLFGPDLK^{+2}



Max Intensity: **143**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **89.8%** Matched Series Intensity: **90.3%**



Sequence SYLFGPDLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C50 H75 N10 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1040.2115	1039.5459	520.6094	520.2766

[–] **Peak Matches**

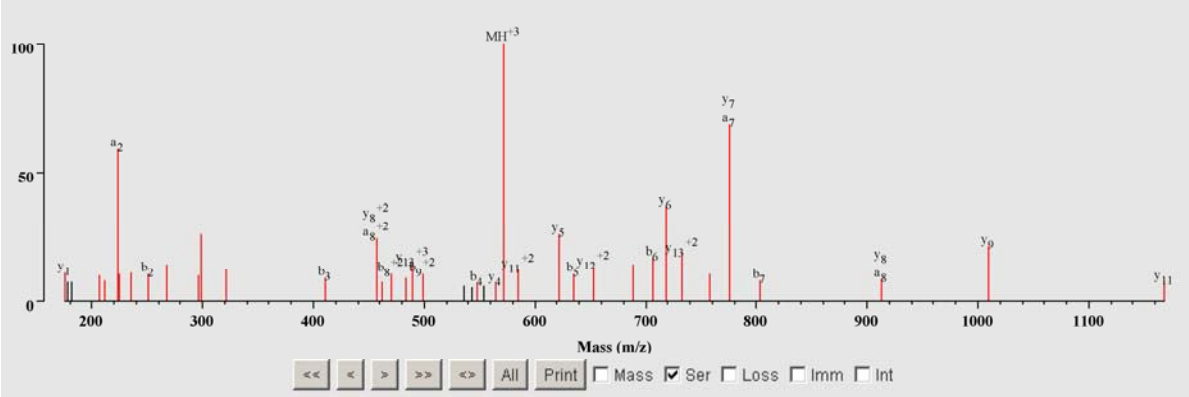
147.1106	155.0829	160.0745	178.0844	187.1067	205.0959	207.1079	213.0856	223.1055	230.1100
y_1(-15)	GP(9.0)				FG(-6.1) a_2-H_2O(-6.1)		PD(-6.5)	a_2(-9.9)	
233.1648	**242.1778**	**249.1519**	**251.0961**	**260.1940**	**270.1035**	**273.1511**	**307.2273**	**326.1579**	**355.1848**
LF-28(-0.17)	GPD-28(265)	YL-28(-32)	b_2(-26)	y_2(-11)	GPD(-18)			PDL(-40)	GPDL-28(-36)
364.1692	**371.1552**	**375.2063**	**383.1763**	**399.1539**	**417.1590**	**427.1550**	**454.2376**	**472.2545**	**484.2349**
b_3(-48)		y_3(-47)	GPDL(-42)	FGPD-H_2O(-31)	FGPD(-43)		y_4-H_2O(-63)	y_4(-47)	
502.2397	**511.2615**	**520.2644**	**529.2652**	**598.2829**	**615.3186**	**658.2984**	**676.3222**	**789.3909**	**861.4451**
LFGPD-28(-52) FGPDL-28(-52)	b_4(12) MH-H_2O^{+2}(-19) y_5-H_2O(-51)	MH^{+2}(-23)	y_5(-62)		LFGPDL-28(-51)	y_6-H_2O(-87)	y_6(-65)	y_7(-76)	

[–] **Main Sequence Ions**

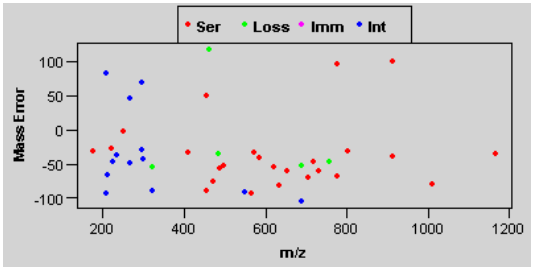
b			y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	952.5138	476.7606
364.1867	3	L	7	789.4505	395.2289
511.2551	4	F	6	676.3665	338.6869
568.2766	5	G	5	529.2980	265.1527
665.3293	6	P	4	472.2766	236.6419
780.3563	7	D	3	375.2238	188.1155
893.4403	8	L	2	260.1969	130.6021
---	9	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)HSAPHGPGLIYR^{+3}



Max Intensity: **4.78**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **95.3%** Matched Series Intensity: **94.5%**



Sequence: SYC(Carbamidomethyl)HSAPHGPGLIYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C76 H112 N23 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1715.7775	1714.8118	858.3925	857.9096	572.5975	572.2755

[–] Peak Matches

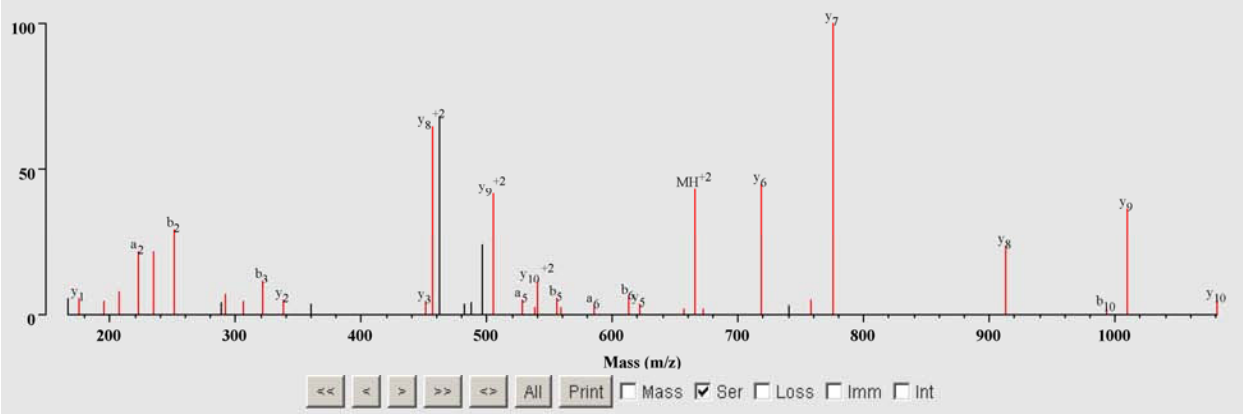
175.1133	178.0814	181.0998	207.1046	212.0890	223.1014	225.0876	235.1102	251.1019	268.1526
y_1(-32)			HS-H_2O(82) PH-28(-94)	GPG(-66)	a_2(-28)	HS(-47)	PH(-37)	b_2(-2.9)	HSA-28(45) PGL(-48)
296.1265	**298.0840**	**321.1385**	**411.1193**	**456.7154**	**461.7389**	**470.6542**	**483.2179**	**488.8826**	**499.1749**
YC(Carbamidomethyl)-28(68) HSA(-30)	C(Carbamidomethyl)H(-43)	y_2-NH_3(-54) HGPG-28(-89)	b_3(-34)	a_8^{+2}(50) y_8^{+2}(-89)	b_8-H_2O^{+2}(117)	b_8^{+2}(-76)	y_{13}-NH_3^{+3}(-35)	y_{13}^{+3}(-57)	b_9^{+2}(-52)
536.2648	**543.5611**	**548.1424**	**554.2080**	**564.2971**	**572.2563**	**584.2929**	**621.3382**	**635.1721**	**652.8069**
		b_4(-91) YC(Carbamidomethyl)HS(-91)		y_4(-94)	MH^{+3}(-33)	y_{11}^{+2}(-41)	y_5(-54)	b_5(-82)	y_{12}^{+2}(-61)
688.2148	**706.2116**	**718.3911**	**732.8171**	**758.3839**	**775.3926**	**803.2885**	**912.4689**	**1009.4776**	**1167.5849**
b_6-H_2O(-52) YC(Carbamidomethyl)HSAP-28(-105)	b_6(-70)	y_6(-47)	y_{13}^{+2}(-61)	y_7-NH_3(-47)	a_7(95) y_7(-69)	b_7(-32)	a_8(100) y_8(-40)	y_9(-79)	y_{11}(-36)

[–] Main Sequence Ions

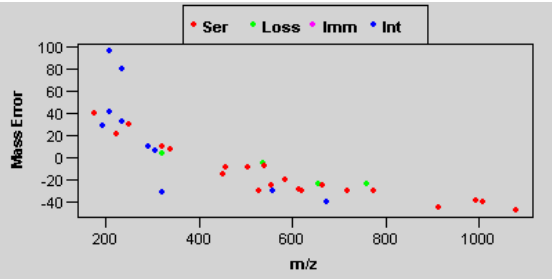
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1627.7798	814.3935
411.1333	---	3	C(Carbamidomethyl)	13	1464.7165	732.8619
548.1922	274.5997	4	H	12	1304.6858	652.8466
635.2242	318.1157	5	S	11	1167.6269	584.3171
706.2613	353.6343	6	A	10	1080.5949	540.8011
803.3141	402.1607	7	P	9	1009.5578	505.2825
940.3730	470.6901	8	H	8	912.5050	456.7561
997.3945	499.2009	9	G	7	775.4461	388.2267
1094.4472	547.7273	10	P	6	718.4246	359.7160
1151.4687	576.2380	11	G	5	621.3719	311.1896
1264.5528	632.7800	12	L	4	564.3504	282.6788
1377.6368	689.3221	13	I	3	451.2663	226.1368
1540.7002	770.8537	14	Y	2	338.1823	169.5948
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAPHGPGLIYR^{+2}



Max Intensity: **109**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **82.3%** Matched Series Intensity: **81.7%**



Sequence SYAPHGPGLIYR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H92 N17 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1331.5262	1330.6902	666.2668	665.8488

[–] **Peak Matches**

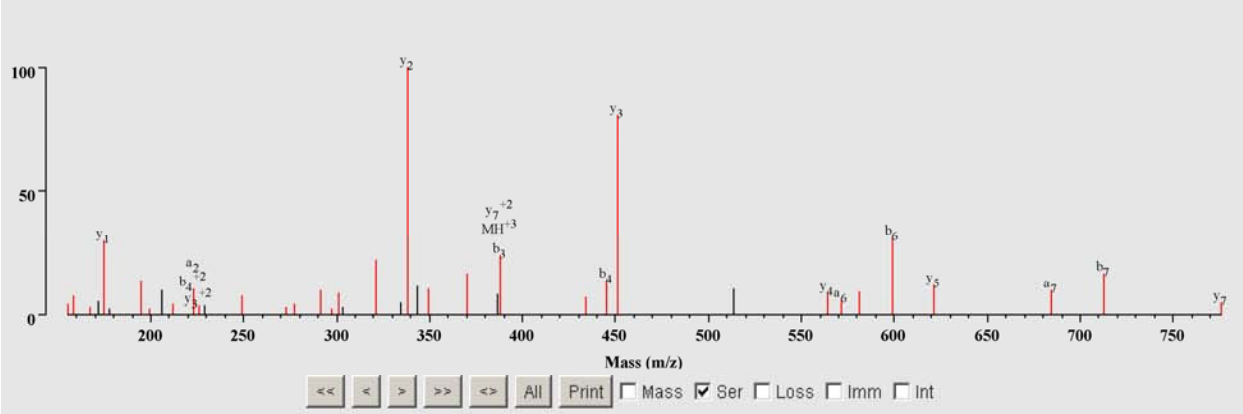
166.0680	175.1260	195.0933	207.1326	223.1124	235.1265	251.1102	288.1537	292.1432	306.1578
	y_1(40)	HG(29)	YA-28(96) PH-28(41)	a_2(21)	YA(80) PH(32)	b_2(30)		HGP(9.5) PHG(9.5)	APH(5.7)
321.1567	**322.1427**	**338.1846**	**360.1566**	**451.2593**	**456.7519**	**461.7447**	**481.7612**	**487.7659**	**496.2693**
y_2-NH_3(3.0) HGPG-28(-32)	b_3(9.2)	y_2(6.9)		y_3(-16)	y_8^{+2}(-9.3)				
505.2778	**528.2406**	**538.2380**	**540.7965**	**556.2373**	**559.2813**	**585.2659**	**613.2553**	**621.3528**	**656.8275**
y_9^{+2}(-9.4)	a_5(-30)	b_5-H_2O(-5.3)	y_{10}^{+2}(-8.5)	b_5(-25)	PHGPGL(-31)	a_6(-21)	b_6(-29)	y_5(-31)	MH-H_2O^{+2}(-24)
665.8318	**672.3553**	**718.4026**	**740.3635**	**758.4012**	**775.4221**	**912.4632**	**993.4764**	**1009.5163**	**1080.5431**
MH^{+2}(-25)	PHGPGLI(-41)	y_6(-31)		y_7-NH_3(-24)	y_7(-31)	y_8(-46)	b_{10}(-39)	y_9(-41)	y_{10}(-48)

[–] **Main Sequence Ions**

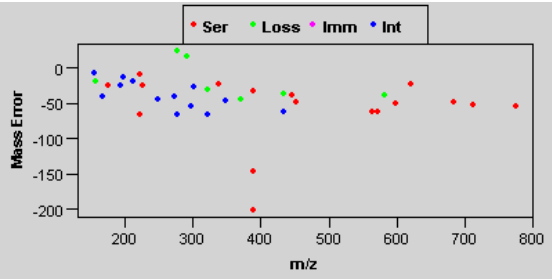
b	b^{+2}			y	y^{+2}
---	---	1	**S** 12	---	---
251.1026	---	2	**Y** 11	1243.6582	622.3327
322.1397	---	3	**A** 10	1080.5949	540.8011
419.1925	---	4	**P** 9	1009.5578	505.2825
556.2514	278.6293	5	**H** 8	912.5050	456.7561
613.2729	307.1401	6	**G** 7	775.4461	388.2267
710.3257	355.6665	7	**P** 6	718.4246	359.7160
767.3471	384.1772	8	**G** 5	621.3719	311.1896
880.4312	440.7192	9	**L** 4	564.3504	282.6788
993.5152	497.2613	10	**I** 3	451.2663	226.1368
1156.5786	578.7929	11	**Y** 2	338.1823	169.5948
---	---	12	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHGPGLIYR^{+3}



Max Intensity: **93.8**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **89.2%** Matched Series Intensity: **88.3%**



Sequence: SYHGPGLIYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H80 N15 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1163.3294	1162.6004	582.1684	581.8038	388.4481	388.2050

[–] Peak Matches

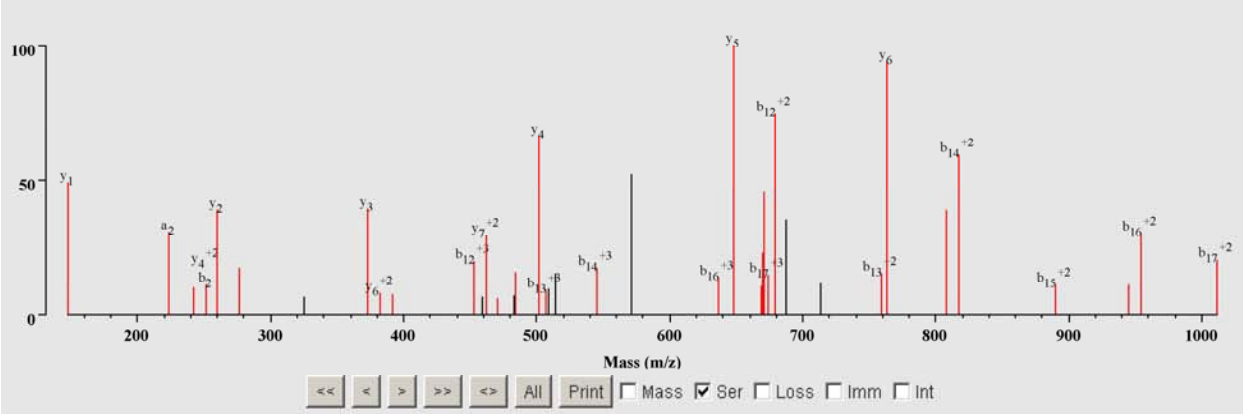
155.0803	158.0894	167.0860	172.1057	175.1146	178.0839	195.0826	199.1777	206.0858	212.0987
PG(-7.8) GP(-7.8)	y_1-NH_3(-19)	HG-28(-40)		y_1(-25)		HG(-26)	LI-28(-14)		GPG(-20)
223.0929	**226.1310**	**229.1223**	**249.1487**	**273.1238**	**277.1361**	**291.1317**	**297.1762**	**301.1210**	**303.1378**
b_4^{+2}(-10) a_2(-66)	y_3^{+2}(-26)		IY-28(-44)	YH-28(-40)	a_6-H_2O^{+2}(24) IY(-67)	b_6-H_2O^{+2}(16)	GPGL-28(-54)	YH(-28)	
321.1453	**334.1571**	**338.1743**	**343.1680**	**349.1457**	**370.1348**	**386.1261**	**388.1483**	**434.2239**	**445.1660**
y_2-NH_3(-32) HGPG-28(-67)		y_2(-24)		HGPG(-46)	b_3-H_2O(-44)		b_3(-34) MH^{+3}(-146) y_7^{+2}(-202)	y_3-NH_3(-37) HGPGL-28(-62)	b_4(-38)
451.2449	**513.2191**	**564.3151**	**571.2267**	**581.2247**	**599.2269**	**621.3572**	**684.3126**	**712.3034**	**775.4031**
y_3(-48)		y_4(-63)	a_6(-62)	b_6-H_2O(-38)	b_6(-51)	y_5(-24)	a_7(-49)	b_7(-53)	y_7(-55)

[–] Main Sequence Ions

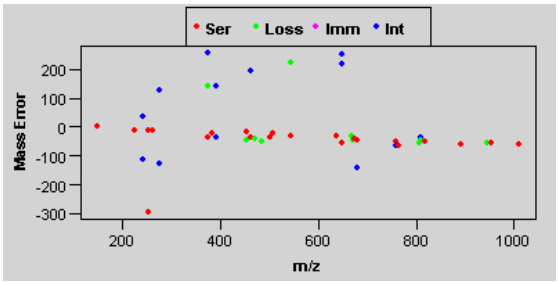
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1075.5683	538.2878
388.1615	194.5844	3	H	8	912.5050	456.7561
445.1830	223.0951	4	G	7	775.4461	388.2267
542.2358	271.6215	5	P	6	718.4246	359.7160
599.2572	300.1323	6	G	5	621.3719	311.1896
712.3413	356.6743	7	L	4	564.3504	282.6788
825.4254	413.2163	8	I	3	451.2663	226.1368
988.4887	494.7480	9	Y	2	338.1823	169.5948
---	---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQLKEHAVEGDC(Carbamidomethyl)DFQLLK^{+4}



Max Intensity: **369**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **86.9%** Matched Series Intensity: **86.3%**



Sequence: SYQLKEHAVEGDC(Carbamidomethyl)DFQLLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C100 H155 N26 O33 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2281.3997	2280.0965	1141.2035	1140.5519	761.1382	760.7037	571.1055	570.7796

[–] Peak Matches

147.1129	223.1055	242.1586	251.0991	260.1940	276.0995	325.2015	373.2676	382.2118	391.1477
y_1(0.65)	a_2(-9.9)	QL(36) LK(-114)	b_2(-14) y_4^{+2}(-296)	y_2(-11)	DC(Carbamidomethyl)(125) C(Carbamidomethyl)D(125) FQ(-126)		VEGD-28(257) y_6-H_2O^{+2}(139) y_3(-36)	y_6^{+2}(-24)	DC(Carbamidomethyl)D(143) DFQ(-35)
453.2096	**458.8823**	**462.2191**	**470.2187**	**483.3066**	**484.2890**	**501.3224**	**506.5499**	**508.5518**	**514.5556**
b_{12}^{+3}(-18) y_7-H_2O^{+2}(-47)		EGDC(Carbamidomethyl)(195) y_7^{+2}(-37)	b_8-H_2O^{+2}(-41)		y_4-NH_3(-49)	y_4(-34)	b_{13}^{+3}(-22)		
544.8866	**571.2124**	**636.5913**	**648.3713**	**668.6116**	**670.2913**	**670.7789**	**674.2810**	**679.2911**	**687.8047**
y_{18}-NH_3^{+4}(223) b_{14}^{+3}(-31)		b_{16}^{+3}(-33)	DC(Carbamidomethyl)DFQ-H_2O(252) VEGDC(Carbamidomethyl)D-28(219) y_5(-56)	b_{17}-NH_3^{+3}(-30)	b_{12}-H_2O^{+2}(-39)	b_{12}-NH_3^{+2}(-46)	b_{17}^{+3}(-39)	b_{12}^{+2}(-47) QLKEHA-28(-143)	
713.7978	**759.3005**	**763.3844**	**807.8006**	**808.3009**	**816.8118**	**890.3310**	**945.3576**	**954.3612**	**1010.8967**
	b_{13}^{+2}(-50) C(Carbamidomethyl)DFQLL-H_2O(-64)	y_6(-66)	b_{14}-H_2O^{+2}(-57)	GDC(Carbamidomethyl)DFQL-28(-35) b_{14}-NH_3^{+2}(-46)	b_{14}^{+2}(-49)	b_{15}^{+2}(-62)	b_{16}-H_2O^{+2}(-55)	b_{16}^{+2}(-56)	b_{17}^{+2}(-60)

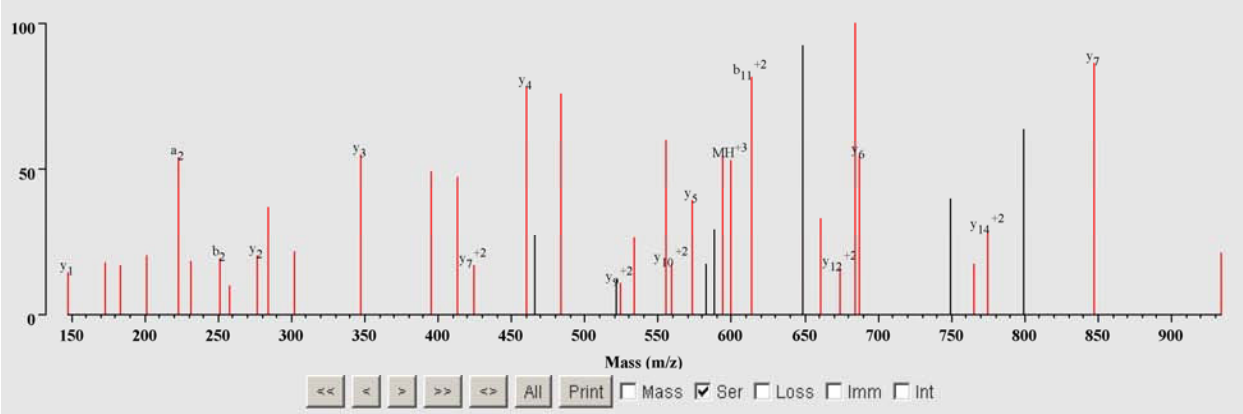
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	19	---	---
251.1026	---	2	**Y**	18	2193.0645	1097.0359
379.1612	---	3	**Q**	17	2030.0012	1015.5042
492.2453	---	4	**L**	16	1901.9426	951.4749
620.3402	310.6738	5	**K**	15	1788.8585	894.9329
749.3828	375.1951	6	**E**	14	1660.7635	830.8854
886.4417	443.7245	7	**H**	13	1531.7210	766.3641
957.4789	479.2431	8	**A**	12	1394.6620	697.8347
1056.5473	528.7773	9	**V**	11	1323.6249	662.3161
1185.5899	593.2986	10	**E**	10	1224.5565	612.7819
1242.6113	621.8093	11	**G**	9	1095.5139	548.2606

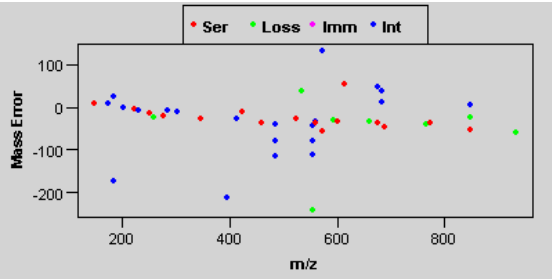
1357.6383	679.3228	12	**D**	8	1038.4925	519.7499
1517.6689	759.3381	13	**C(Carbamidomethyl)**	7	923.4655	462.2364
1632.6959	816.8516	14	**D**	6	763.4349	382.2211
1779.7643	890.3858	15	**F**	5	648.4079	324.7076
1907.8229	954.4151	16	**Q**	4	501.3395	251.1734
2020.9069	1010.9571	17	**L**	3	373.2809	187.1441
2133.9910	1067.4991	18	**L**	2	260.1969	130.6021
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEATEAAKC(Carbamidomethyl)NLLAEK^{+3}



Max Intensity: **492**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **81.9%** Matched Series Intensity: **80.3%**



Sequence: SYEATEAAKC(Carbamidomethyl)NLLAEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C76 H125 N20 O28 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1798.8566	1797.8687	899.9320	899.4380	600.2905	599.9611

[–] Peak Matches

147.1140	173.0936	183.0808	201.0864	223.1069	231.0958	251.0991	258.1388	276.1498	284.1215
y_1(8.1)	EA-28(8.8) AE-28(8.8) AT(8.8)	EA-H_2O(24) AE-H_2O(24) AK-NH_3(-175)	EA(-2.9) AE(-2.9)	a_2(-3.7)	TE(-7.6)	b_2(-14)	y_2-H_2O(-23)	y_2(-20)	TEA-H_2O(-9.1) EAT-H_2O(-9.1) ATE-H_2O(-9.1)
302.1314	**347.1832**	**395.1445**	**413.1560**	**424.2165**	**460.2598**	**466.1766**	**484.1849**	**521.2491**	**523.7714**
EAT(-11) TEA(-11) ATE(-11)	y_3(-27)	NLLA-NH_3(-214)	EATE-H_2O(-26)	y_7^{+2}(-10)	y_4(-36)		EATEA-H_2O(-39) C(Carbamidomethyl)NLL-NH_3(-78) TEAAK-NH_3(-114)		y_9^{+2}(-29)
533.2569	**555.2159**	**559.2839**	**573.3273**	**582.2648**	**587.9395**	**593.9391**	**599.9414**	**613.2944**	**648.8099**
a_{10}-H_2O^{+2}(37)	EATEAA-H_2O(-45) C(Carbamidomethyl)NLLA-NH_3(-79) ATEAAK-NH_3(-111) y_5-H_2O(-242)	AKC(Carbamidomethyl)NL-28(-33) y_{10}^{+2}(-38)	EATEAA(132) y_5(-58)			MH-H_2O^{+3}(-31)	MH^{+3}(-33)	b_{11}^{+2}(54)	
660.7749	**674.3253**	**684.3270**	**687.3704**	**748.8434**	**765.3545**	**774.3608**	**799.3663**	**847.3874**	**933.3759**
b_{12}-H_2O^{+2}(-35)	EAAKC(Carbamidomethyl)N(48) y_{12}^{+2}(-37)	C(Carbamidomethyl)NLLAE-NH_3(36) EATEAAK-NH_3(10)	y_6(-48)		y_{14}-H_2O^{+2}(-40)	y_{14}^{+2}(-38)		YEATEAAK-NH_3(4.9) y_{15}-NH_3^{+2}(-25) y_7(-55)	b_9-H_2O(-59)

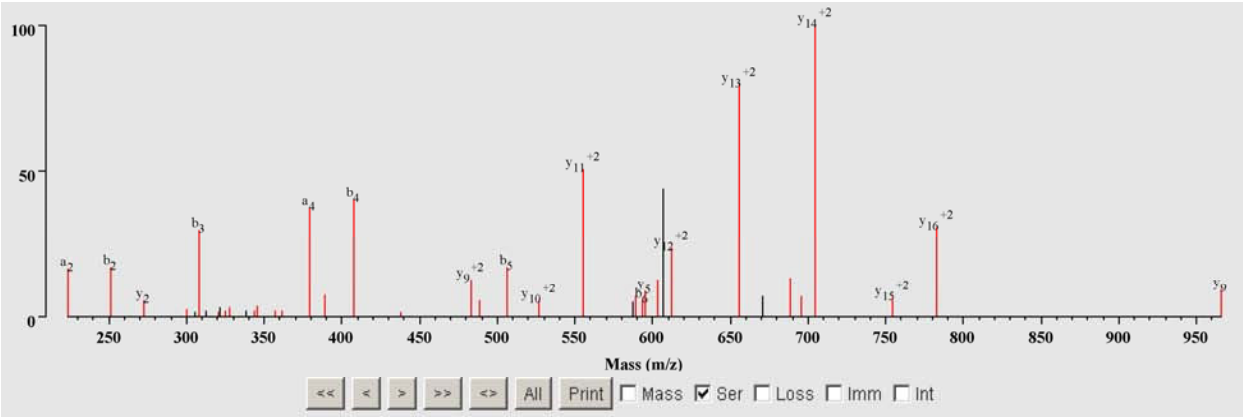
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1710.8367	855.9220
380.1452	---	3	E	14	1547.7734	774.3903
451.1823	---	4	A	13	1418.7308	709.8690
552.2300	---	5	T	12	1347.6937	674.3505
681.2726	---	6	E	11	1246.6460	623.8266
752.3097	---	7	A	10	1117.6034	559.3053
823.3468	---	8	A	9	1046.5663	523.7868
		9		8		

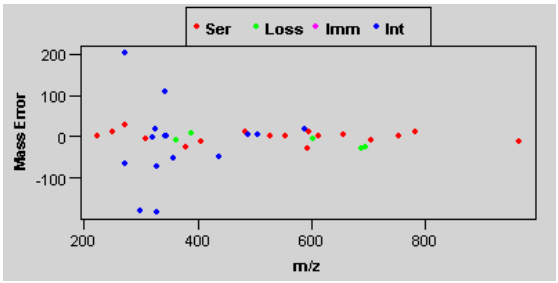
951.4418	476.2245		**K**		975.5292	488.2682
1111.4725	556.2399	10	**C(Carbamidomethyl)**	7	847.4342	424.2207
1225.5154	613.2613	11	**N**	6	687.4036	344.2054
1338.5994	669.8034	12	**L**	5	573.3606	287.1840
1451.6835	726.3454	13	**L**	4	460.2766	230.6419
1522.7206	761.8639	14	**A**	3	347.1925	174.0999
1651.7632	826.3852	15	**E**	2	276.1554	138.5813
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGVVSLGSPSGEVSHPR^{+3}



Max Intensity: **11.5**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **89.8%** Matched Series Intensity: **89.8%**



Sequence: SYGVVSLGSPSGEVSHPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H124 N23 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1815.9925	1814.9032	908.5000	907.9552	606.0025	605.6392

[–] Peak Matches

223.1082	251.1057	272.1791	300.1380	305.1552	308.1221	312.1609	320.1600	321.1346	325.1927
a_2(2.2)	b_2(12)	SPS(202) y_2(27) VSL-28(-65)	VSL(-179)		b_3(-6.5)		YGV(-1.5)		GVVS-H_2O(17)
327.1432	**338.1254**	**343.1986**	**345.1776**	**357.1945**	**361.1840**	**379.1881**	**389.1858**	**407.1881**	**438.2496**
SLGS-H_2O(-71) LGSP-28(-182)		PSGE-28(109) GVVS(2.9)	SGEV-28(2.1) SLGS(2.1) GEVS-28(2.1)	VSLG(-52)	a_4-H_2O(-8.4)	a_4(-25)	b_4-H_2O(9.9)	b_4(-11)	GVVSL-H_2O(-49) VVSLG-H_2O(-49)
483.2486	**488.2531**	**506.2638**	**526.7599**	**555.2712**	**587.3174**	**589.2832**	**593.2758**	**595.3387**	**603.2958**
y_9^{+2}(10)	b_5-H_2O(5.6) YGVVS-H_2O(5.6)	b_5(5.7) YGVVS(5.7)	y_{10}^{+2}(0.55)	y_{11}^{+2}(1.5)		GEVSHP-H_2O(18)	b_6(-29)	y_5(13)	y_{12}-NH_3^{+2}(-5.5)
606.3148	**611.8136**	**655.3313**	**670.3912**	**688.3473**	**695.8399**	**704.8574**	**754.3990**	**782.9160**	**965.4683**
	y_{12}^{+2}(2.0)	y_{13}^{+2}(4.5)		b_7-H_2O(-28)	y_{14}-H_2O^{+2}(-25)	y_{14}^{+2}(-7.4)	y_{15}^{+2}(2.9)	y_{16}^{+2}(11)	y_9(-12)

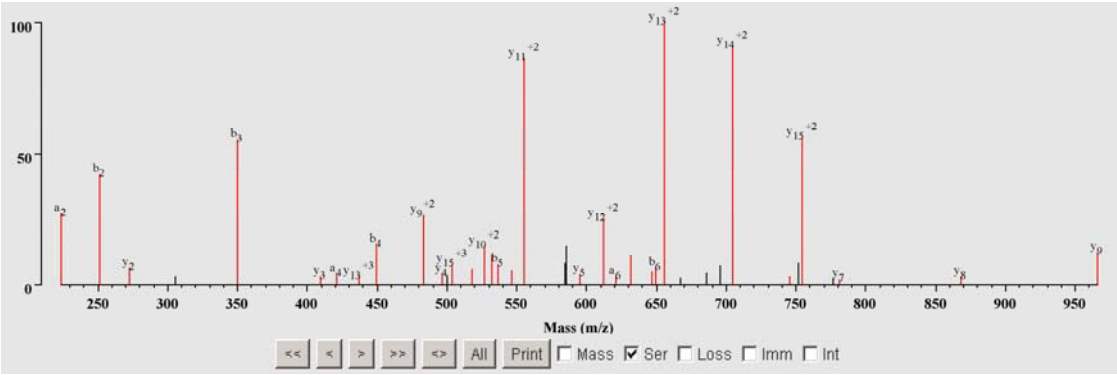
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 18	---	---
251.1026	---	2	**Y** 17	1727.8711	864.4392
308.1241	---	3	**G** 16	1564.8078	782.9075
407.1925	---	4	**V** 15	1507.7863	754.3968
506.2609	---	5	**V** 14	1408.7179	704.8626
593.2930	---	6	**S** 13	1309.6495	655.3284
706.3770	---	7	**L** 12	1222.6175	611.8124
763.3985	---	8	**G** 11	1109.5334	555.2703
850.4305	---	9	**S** 10	1052.5119	526.7596
947.4833	---	10	**P** 9	965.4799	483.2436
1034.5153	---	11	**S** 8	868.4272	434.7172
1091.5368	---	12	**G** 7	781.3951	391.2012
1220.5794	---	13	**E** 6	724.3737	362.6905
1319.6478	---	14	**V** 5	595.3311	298.1692
1406.6798	---	15	**S** 4	496.2627	248.6350
1543.7387	772.3730	16	**H** 3	409.2306	205.1190
1640.7915	820.8994	17	**P** 2	272.1717	136.5895

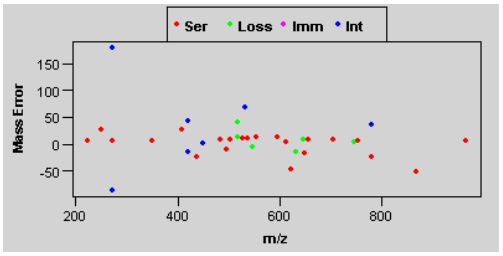
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVVSLGSPSGEVSHPR^{+3}



Max Intensity: **28.7**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **91.7%** Matched Series Intensity: **91.7%**



Sequence SYVVSLGSPSGEVSHPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C76 H121 N22 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1758.9403	1757.8817	879.9739	879.4445	586.9851	586.6321

[–] **Peak Matches**

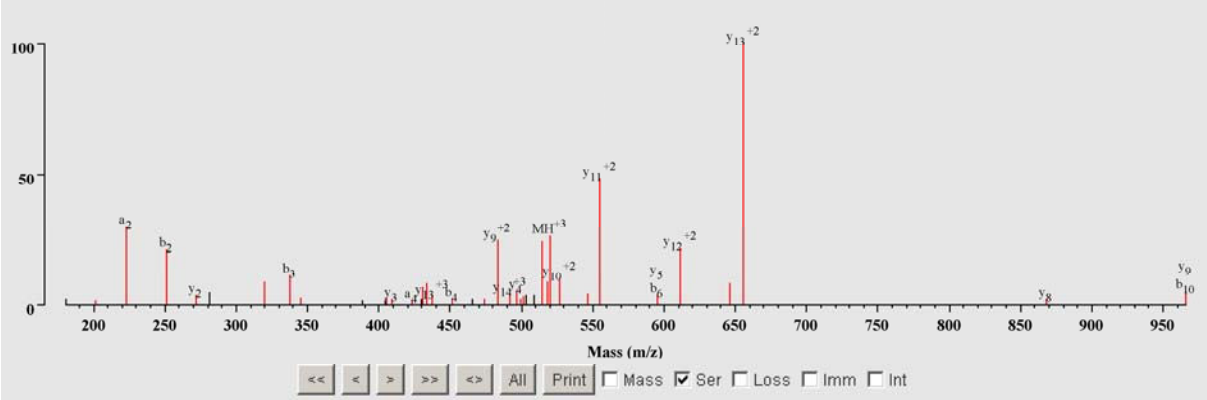
223.1089	251.1093	272.1731	305.1617	350.1734	409.2411	421.2377	437.2104	449.2401	483.2478
a_2(5.3)	b_2(27)	SPS(180) y_2(5.1) VSL-28(-87)		b_3(6.7)	y_3(26)	VSHP(43) a_4(-16) YVVS-28(-16)	y_{13}^{+3}(-25)	b_4(1.4) YVVS(1.4)	y_9^{+2}(8.7)
496.2576	**500.2458**	**503.2709**	**518.2678**	**526.7650**	**532.2877**	**536.2776**	**546.2624**	**554.9250**	**555.2773**
y_4(-10)		y_{15}^{+3}(7.8)	y_{10}-NH_3^{+2}(41) b_5-H_2O(13)	y_{10}^{+2}(10)	EVSHP-H_2O(68)	b_5(11)	y_{11}-H_2O^{+2}(-4.9)		y_{11}^{+2}(13)
584.3420	**585.2986**	**595.3397**	**611.8144**	**621.3314**	**631.3356**	**646.3281**	**649.3438**	**655.3334**	**666.8084**
		y_5(14)	y_{12}^{+2}(3.3)	a_6(-47)	b_6-H_2O(-15)	y_{13}-H_2O^{+2}(7.7)	b_6(-18)	y_{13}^{+2}(7.6)	
685.8350	**695.3675**	**704.8679**	**745.3936**	**751.3714**	**754.4018**	**776.3836**	**781.3753**	**868.3817**	**965.4856**
		y_{14}^{+2}(7.5)	y_{15}-H_2O^{+2}(2.8)		y_{15}^{+2}(6.6)		SPSGEVSH(36) y_7(-25)	y_8(-52)	y_9(5.9)

[–] **Main Sequence Ions**

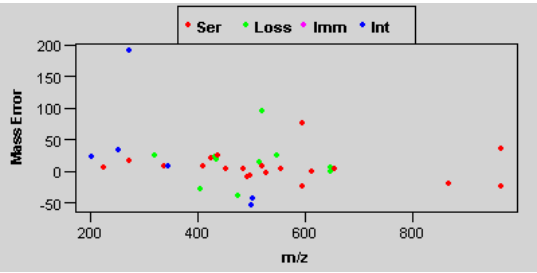
b	b^{+2}				y	y^{+2}
---	---	1	**S**	17	---	---
251.1026	---	2	**Y**	16	1670.8497	835.9285
350.1710	---	3	**V**	15	1507.7863	754.3968
449.2395	---	4	**V**	14	1408.7179	704.8626
536.2715	---	5	**S**	13	1309.6495	655.3284
649.3556	---	6	**L**	12	1222.6175	611.8124
706.3770	---	7	**G**	11	1109.5334	555.2703
793.4090	---	8	**S**	10	1052.5119	526.7596
890.4618	---	9	**P**	9	965.4799	483.2436
977.4938	---	10	**S**	8	868.4272	434.7172
1034.5153	---	11	**G**	7	781.3951	391.2012
1163.5579	---	12	**E**	6	724.3737	362.6905
1262.6263	---	13	**V**	5	595.3311	298.1692
1349.6583	---	14	**S**	4	496.2627	248.6350
1486.7172	743.8623	15	**H**	3	409.2306	205.1190
1583.7700	792.3886	16	**P**	2	272.1717	136.5895
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLGSPSGEVSHPR^{+3}



Max Intensity: **49.7**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **94.8%** Matched Series Intensity: **94.1%**



Sequence: SYSLGSPSGEVSHPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H103 N20 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1560.6735	1559.7449	780.8404	780.3761	520.8961	520.5865

[–] **Peak Matches**

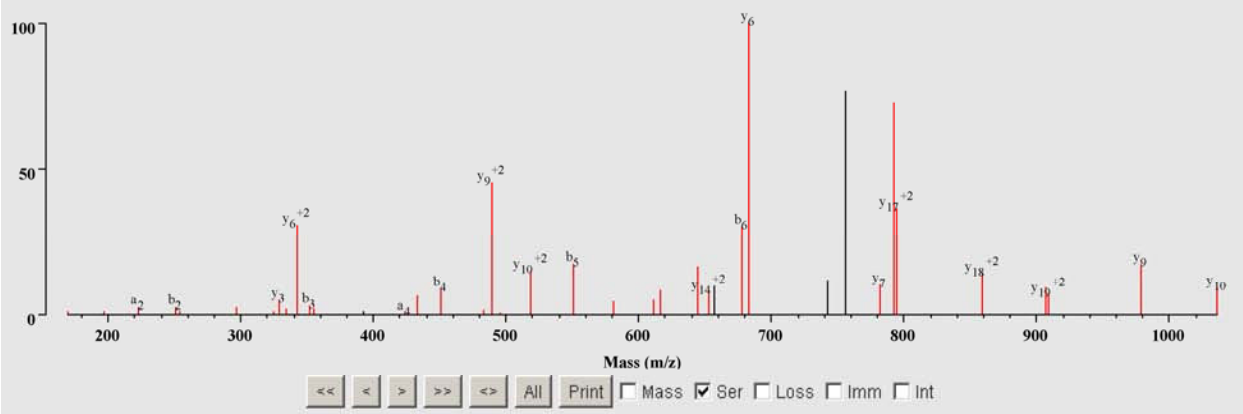
180.1610	201.1280	223.1089	251.1108	272.1762	281.0500	320.1320	338.1372	345.1797	388.0091
	SL(23) EV-28(23)	YS-28(5.3) a_2(5.3)	b_2(33) YS(33)	SPS(191) y_2(16)		b_3-H_2O(25)	b_3(7.5)	SLGS(8.2) SGEV-28(8.2) GEVS-28(8.2)	
404.0358	**405.2020**	**409.2335**	**423.2329**	**430.0215**	**431.2273**	**433.2165**	**437.2322**	**451.2201**	**465.8264**
	a_4-H_2O(-28)	y_3(7.0)	a_4(21)		y_{13}-H_2O^{+3}(22)	b_4-H_2O(19)	y_{13}^{+3}(25)	b_4(3.0)	
474.2199	**483.2457**	**491.5716**	**496.2597**	**499.2240**	**501.2454**	**503.1456**	**509.2223**	**514.5902**	**518.2958**
y_9-H_2O^{+2}(-39)	y_9^{+2}(4.4)	y_{14}^{+3}(-8.5)	y_4(-6.0)	LGSPSG(-54)	SLGSPS-28(-43)			MH-H_2O^{+3}(14)	y_{10}-NH_3^{+2}(95)
520.5907	**526.7585**	**546.2779**	**555.2728**	**595.3166**	**611.8120**	**646.3233**	**655.3310**	**868.4096**	**965.4562**
MH^{+3}(8.1)	y_{10}^{+2}(-2.1)	y_{11}-H_2O^{+2}(24)	y_{11}^{+2}(4.4)	b_6(75) y_8(-24)	y_{12}^{+2}(-0.61)	a_7-H_2O(5.9) y_{13}-H_2O^{+2}(0.30)	y_{13}^{+2}(4.0)	y_8(-20)	b_{10}(36) y_9(-25)

[–] **Main Sequence Ions**

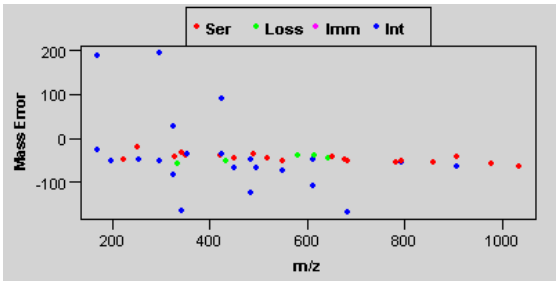
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1472.7128	736.8601
338.1347	---	3	S	13	1309.6495	655.3284
451.2187	---	4	L	12	1222.6175	611.8124
508.2402	---	5	G	11	1109.5334	555.2703
595.2722	---	6	S	10	1052.5119	526.7596
692.3250	---	7	P	9	965.4799	483.2436
779.3570	---	8	S	8	868.4272	434.7172
836.3785	---	9	G	7	781.3951	391.2012
965.4211	---	10	E	6	724.3737	362.6905
1064.4895	---	11	V	5	595.3311	298.1692
1151.5215	---	12	S	4	496.2627	248.6350
1288.5804	644.7938	13	H	3	409.2306	205.1190
1385.6332	693.3202	14	P	2	272.1717	136.5895
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTVVQPSVGAAAGPVVPPC(Carbamidomethyl)PGR^{+3}



Max Intensity: **158**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **83.3%** Matched Series Intensity: **83.3%**



Sequence: SYTVVQPSVGAAAGPVVPPC(Carbamidomethyl)PGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C100 H161 N28 O30 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2267.4629	2266.1649	1134.2351	1133.5861	756.4926	756.0598

[–] Peak Matches

169.1290	197.1182	223.0971	251.0974	254.1373	296.1819	325.1961	329.1796	334.1208	342.1571
SV-H_2O(188) PV-28(-27) VP-28(-27)	PV(-52) VP(-52)	a_2(-48)	b_2(-21)	GPV(-50)	QPS-NH_3(195) VVP(-51) PVV(-51)	AGPV(28) VQP(28) GPVV-28(-84)	y_3(-41)	b_3-H_2O(-57)	y_6^{+2}(-33) VGAAA-28(-165)
352.1371	**355.1306**	**392.1899**	**423.2077**	**424.2401**	**433.1853**	**451.1986**	**483.2325**	**489.7451**	**495.2583**
b_3(-38)	PC(Carbamidomethyl)P(-36) PPC(Carbamidomethyl)(-36)		a_4(-38)	PPC(Carbamidomethyl)P-28(91) VVQP(-36) AGPVV(-36)	b_4-H_2O(-53)	b_4(-45) QPSVG-H_2O(-69)	PSVGAA(-49) VQPSV-28(-124) VVQPS-28(-124)	y_9^{+2}(-37)	AAGPVV(-69)
518.2504	**550.2582**	**580.7753**	**611.2849**	**616.2931**	**644.7966**	**653.3124**	**656.7736**	**678.3123**	**683.2930**
y_{10}^{+2}(-45)	b_5(-53) VQPSVG-H_2O(-73)	y_{12}-NH_3^{+2}(-39)	SVGAAAGP(-49) PSVGAAAG(-49) QPSVGAA(-49) VQPSVGA-28(-108)	y_{13}-NH_3^{+2}(-38)	y_{14}-NH_3^{+2}(-47)	y_{14}^{+2}(-43)		b_6(-49)	y_6(-53) TVVQPSV-28(-169)
742.8478	**756.0047**	**782.3548**	**792.3821**	**794.8749**	**858.8999**	**906.4441**	**908.4425**	**978.4631**	**1035.4719**
		y_7(-55)	VVQPSVGAA-NH_3(-54)	y_{17}^{+2}(-53)	y_{18}^{+2}(-54)	SVGAAAGPVVP(-66) PSVGAAAGPVV(-66)	y_{19}^{+2}(-42)	y_9(-57)	y_{10}(-66)

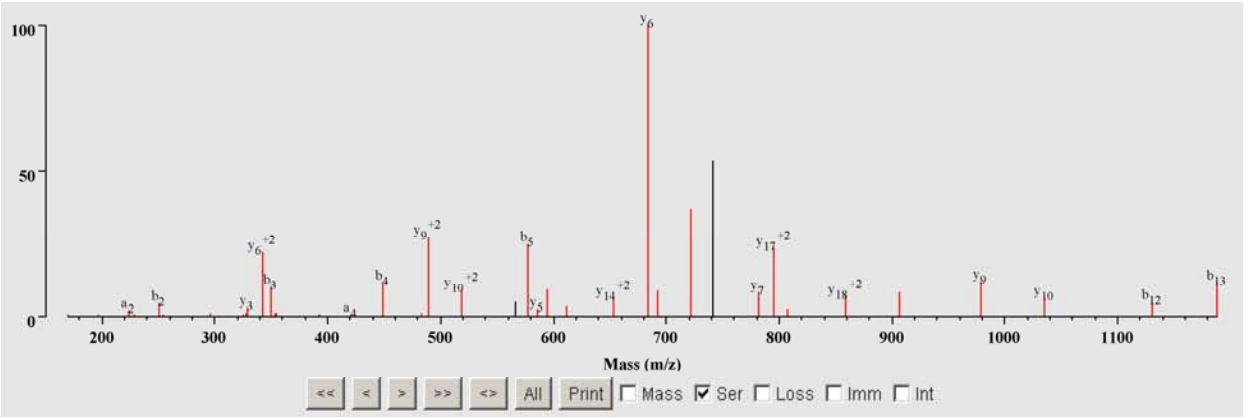
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	23	---	---
251.1026	2	Y	22	2179.1328	1090.0701
352.1503	3	T	21	2016.0695	1008.5384
451.2187	4	V	20	1915.0218	958.0146
550.2871	5	V	19	1815.9534	908.4803
678.3457	6	Q	18	1716.8850	858.9461
775.3985	7	P	17	1588.8264	794.9168
862.4305	8	S	16	1491.7737	746.3905
961.4989	9	V	15	1404.7416	702.8745
1018.5204	10	G	14	1305.6732	653.3402
1089.5575	11	A	13	1248.6518	624.8295
1160.5946	12	A	12	1177.6146	589.3110
1231.6317	13	A	11	1106.5775	553.7924
1288.6532	14	G	10	1035.5404	518.2738
1385.7060	15	P	9	978.5189	489.7631
1484.7744	16	V	8	881.4662	441.2367

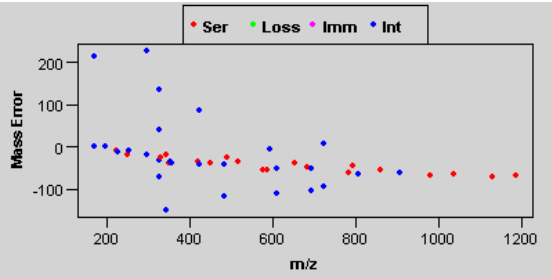
1583.8428	17	**V**	7	782.3978	391.7025
1680.8955	18	**P**	6	683.3294	342.1683
1777.9483	19	**P**	5	586.2766	293.6419
1937.9790	20	**C(Carbamidomethyl)**	4	489.2238	245.1156
2035.0317	21	**P**	3	329.1932	165.1002
2092.0532	22	**G**	2	232.1404	116.5738
---	23	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVVQPSVGAAAGPVVPPC(Carbamidomethyl)PGR^{+3}



Max Intensity: **6640**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **86.5%** Matched Series Intensity: **86.5%**



Sequence: SYVVQPSVGAAAGPVVPPC(Carbamidomethyl)PGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C96 H154 N27 O28 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2166.3571	2165.1172	1083.6823	1083.0622	722.7907	722.3772

[–] Peak Matches

169.1335	197.1285	223.1055	228.1317	251.0976	254.1479	296.1915	325.1998	327.1927	329.1848
SV-H_2O(215) PV-28(-0.23) VP-28(-0.23)	VP(0.23) PV(0.23)	a_2(-9.9)	VGA(-11) VQ(-11)	b_2(-20)	GPV(-7.9)	QPS-NH_3(228) PVV(-18) VVP(-18)	AGPV(39) VQP(39) GPVV-28(-73)	PC(Carbamidomethyl)P-28(135) PPC(Carbamidomethyl)-28(135) VVQ(-31)	y_3(-25)
342.1619	**350.1572**	**353.2061**	**355.1295**	**392.1965**	**421.2298**	**424.2379**	**449.2213**	**483.2358**	**489.7503**
y_6^{+2}(-19) VGAAA-28(-151)	b_3(-40)	GPVV(-35)	PPC(Carbamidomethyl)(-39) PC(Carbamidomethyl)P(-39)		a_4(-35)	PPC(Carbamidomethyl)P-28(86) VVQP(-41) AGPVV(-41)	b_4(-40)	PSVGAA(-42) VVQPS-28(-117) VQPSV-28(-117)	y_9^{+2}(-26)
518.2545	**565.7773**	**577.2655**	**586.2449**	**594.2851**	**611.2829**	**653.3157**	**683.2951**	**692.3366**	**722.3514**
y_{10}^{+2}(-37)		b_5(-56)	y_5(-54)	QPSVGAA-NH_3(-5.2)	SVGAAAGP(-52) PSVGAAAG(-52) QPSVGAA(-52) VQPSVGA-28(-112)	y_{14}^{+2}(-38)	y_6(-50)	SVGAAAGPV-H_2O(-52) VQPSVGAA-H_2O(-52) GAAAGPVVP-28(-105)	QPSVGAAAG-NH_3(6.4) VGAAAGPVV(-94)
741.8625	**782.3501**	**794.8803**	**807.3837**	**858.9000**	**906.4478**	**978.4520**	**1035.4733**	**1130.5020**	**1187.5228**
	y_7(-61)	y_{17}^{+2}(-46)	PSVGAAAGPV(-65)	y_{18}^{+2}(-54)	PSVGAAAGPVV(-62) SVGAAAGPVVP(-62)	y_9(-68)	y_{10}(-65)	b_{12}(-73)	b_{13}(-70)

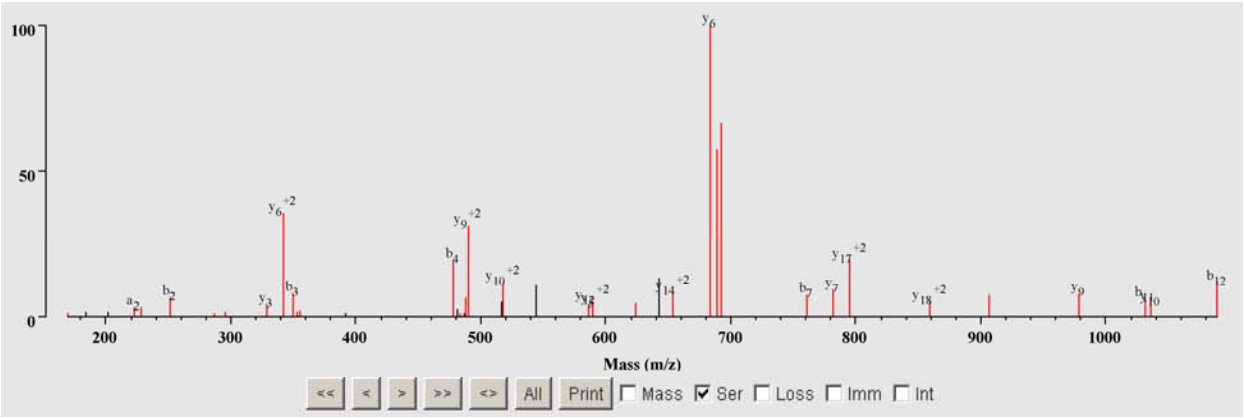
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	22	---	---
251.1026	2	Y	21	2078.0852	1039.5462
350.1710	3	V	20	1915.0218	958.0146
449.2395	4	V	19	1815.9534	908.4803
577.2980	5	Q	18	1716.8850	858.9461
674.3508	6	P	17	1588.8264	794.9168
761.3828	7	S	16	1491.7737	746.3905
860.4512	8	V	15	1404.7416	702.8745
917.4727	9	G	14	1305.6732	653.3402
988.5098	10	A	13	1248.6518	624.8295
1059.5469	11	A	12	1177.6146	589.3110
1130.5840	12	A	11	1106.5775	553.7924
1187.6055	13	G	10	1035.5404	518.2738
1284.6583	14	P	9	978.5189	489.7631
1383.7267	15	V	8	881.4662	441.2367
1482.7951	16	V	7	782.3978	391.7025

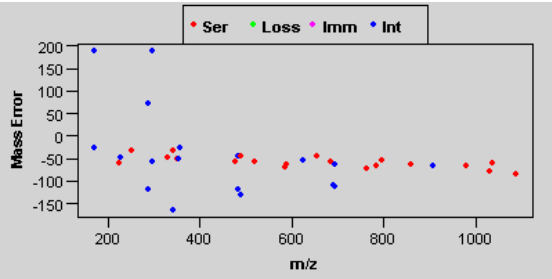
1579.8479	17		**P**	6	683.3294	342.1683
1676.9006	18		**P**	5	586.2766	293.6419
1836.9313	19	**C(Carbamidomethyl)**		4	489.2238	245.1156
1933.9840	20		**P**	3	329.1932	165.1002
1991.0055	21		**G**	2	232.1404	116.5738
---	22		**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVQPSVGAAAGPVVPPC(Carbamidomethyl)PGR^{+3}



Max Intensity: **75.0**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **92.6%** Matched Series Intensity: **92.5%**



Sequence: SYVQPSVGAAAGPVVPPC(Carbamidomethyl)PGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C91 H145 N26 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2067.2237	2066.0488	1034.1156	1033.5280	689.7462	689.3544

[–] Peak Matches

169.1290	184.1295	202.1404	223.0943	228.1235	251.0944	287.1376	296.1802	329.1778	342.1571
SV-H_2O(188) VP-28(-27) PV-28(-27)			a_2(-60)	VGA(-47) VQ(-47)	b_2(-33)	C(Carbamidomethyl)PG-28(71) SVGA-28(-118)	QPS-NH_3(189) PVV(-56) VVP(-56)	y_3(-47)	y_6^{+2}(-33) VGAAA-28(-165)
350.1527	**353.1999**	**355.1341**	**392.1824**	**478.2028**	**480.7268**	**483.2346**	**487.2184**	**488.1861**	**489.7409**
b_3(-52)	GPVV(-52)	PPC(Carbamidomethyl)(-26) PC(Carbamidomethyl)P(-26)		b_4(-56)		PSVGAA(-45) VQPSV-28(-120)		YVQP(-132)	y_9^{+2}(-45)
516.2337	**518.2440**	**544.7466**	**586.2367**	**589.2745**	**623.3166**	**642.7939**	**653.3100**	**683.2905**	**689.3226**
	y_{10}^{+2}(-58)		y_5(-68)	y_{12}^{+2}(-62)	VGAAAGPV(-55) GAAAGPVV(-55)		y_{14}^{+2}(-46)	y_6(-57)	AAGPVVPP(-109)
692.3299	**761.3266**	**782.3468**	**794.8749**	**858.8916**	**906.4441**	**978.4542**	**1031.4347**	**1035.4780**	**1088.4456**
SVGAAAGPV-H_2O(-62) VQPSVGAA-H_2O(-62) GAAAGPVVP-28(-114)	b_7(-74)	y_7(-65)	y_{17}^{+2}(-53)	y_{18}^{+2}(-63)	PSVGAAAGPVV(-66) SVGAAAGPVVP(-66)	y_9(-66)	b_{11}(-78)	y_{10}(-60)	b_{12}(-84)

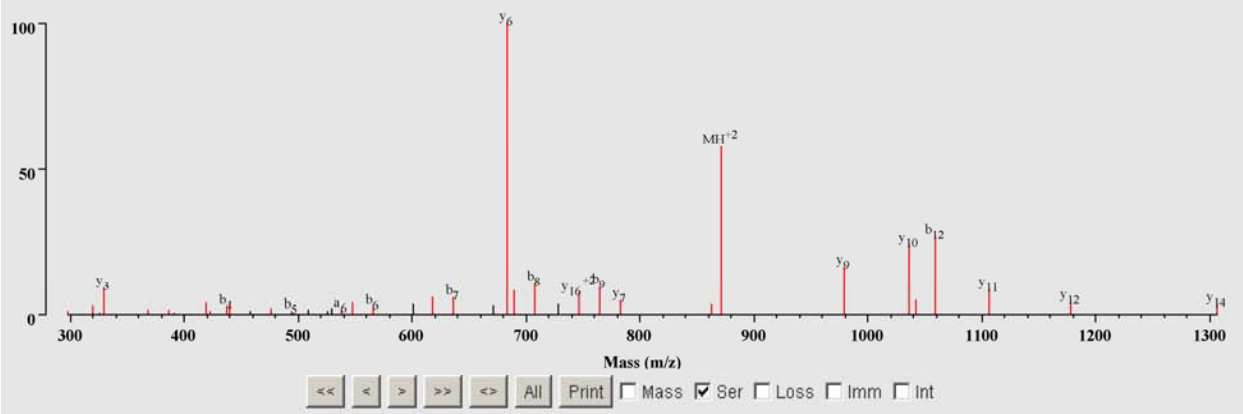
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	21	---	---
251.1026	2	Y	20	1979.0167	990.0120
350.1710	3	V	19	1815.9534	908.4803
478.2296	4	Q	18	1716.8850	858.9461
575.2824	5	P	17	1588.8264	794.9168
662.3144	6	S	16	1491.7737	746.3905
761.3828	7	V	15	1404.7416	702.8745
818.4043	8	G	14	1305.6732	653.3402
889.4414	9	A	13	1248.6518	624.8295
960.4785	10	A	12	1177.6146	589.3110
1031.5156	11	A	11	1106.5775	553.7924
1088.5371	12	G	10	1035.5404	518.2738
1185.5899	13	P	9	978.5189	489.7631
1284.6583	14	V	8	881.4662	441.2367
1383.7267	15	V	7	782.3978	391.7025
1480.7795	16	P	6	683.3294	342.1683
1577.8322	17	P	5	586.2766	293.6419

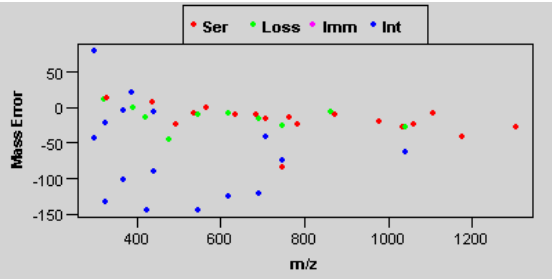
1737.8629	18	**C(Carbamidomethyl)**	4	489.2238	245.1156
1834.9156	19	**P**	3	329.1932	165.1002
1891.9371	20	**G**	2	232.1404	116.5738
---	21	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVGAAAGPVVPPC(Carbamidomethyl)PGR^{+2}



Max Intensity: **36.2**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **95.6%** Matched Series Intensity: **94.6%**



Sequence: SYSVGAAAGPVVPPC(Carbamidomethyl)PGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C76 H121 N22 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1742.8413	1741.8690	871.9244	871.4381

[–] Peak Matches

297.1794	320.1280	325.1802	329.1978	368.1915	386.2118	391.1973	419.1868	422.2149	437.2062
AAGP(80) SVGA-H_2O(80) AGPV-28(-43)	b_3-H_2O(12)	AGPV(-21) GPVV-28(-133)	y_3(14)	SVGAA-H_2O(-3.7) AAAGP(-3.7) AAGPV-28(-102)	SVGAA(22)	a_4-H_2O(-0.76)	b_4-H_2O(-14)	GPVVP-28(-145)	b_4(7.1)
439.2269	**458.2062**	**476.1920**	**494.2125**	**508.2574**	**526.2482**	**529.2310**	**537.2622**	**547.2450**	**565.2612**
SVGAAA-H_2O(-7.0) AAAGPV-28(-90)		b_5-H_2O(-46)	b_5(-24)				a_6(-8.4)	b_6-H_2O(-11) GPVVPP(-144)	b_6(-0.80)
600.2825	**618.2831**	**636.2917**	**671.3107**	**683.3224**	**689.3147**	**707.3255**	**728.3191**	**746.3275**	**764.3465**
	b_7-H_2O(-8.3) AGPVVPP(-126)	b_7(-11)		y_6(-10)	b_8-H_2O(-15) AAGPVVPP(-121)	b_8(-15) VVPPC(Carbamidomethyl)PG(-41) GPVVPPC(Carbamidomethyl)(-41)		b_9-H_2O(-26) YSVGAAAGP-28(-75) y_{16}^{+2}(-84)	b_9(-14)
782.3793	**862.9201**	**871.4284**	**978.4990**	**1035.5110**	**1041.5068**	**1059.5211**	**1106.5686**	**1177.5665**	**1305.6382**
y_7(-24)	MH-NH_3^{+2}(-5.5)	MH^{+2}(-11)	y_9(-20)	y_{10}(-28)	b_{12}-H_2O(-28) YSVGAAAGPVVP-28(-63)	b_{12}(-24)	y_{11}(-8.1)	y_{12}(-41)	y_{14}(-27)

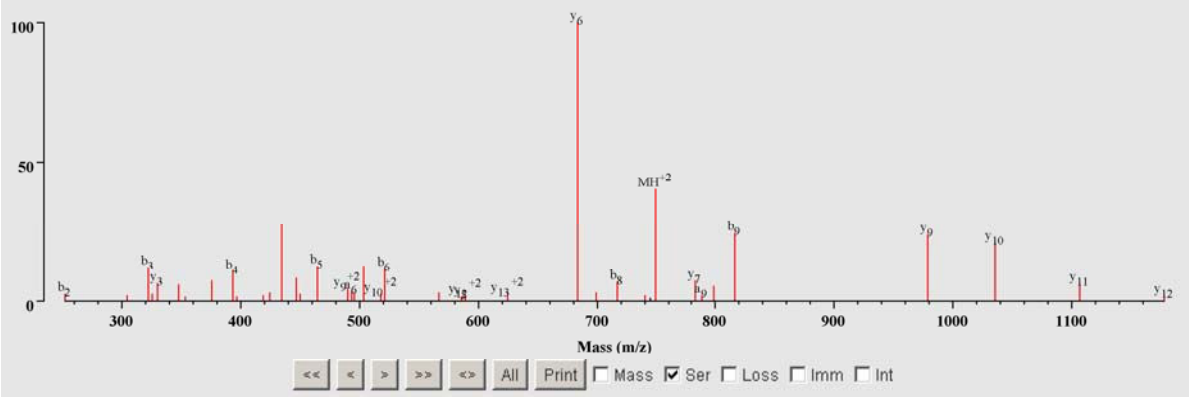
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1654.8370	827.9221
338.1347	3	S	16	1491.7737	746.3905
437.2031	4	V	15	1404.7416	702.8745
494.2245	5	G	14	1305.6732	653.3402
565.2617	6	A	13	1248.6518	624.8295
636.2988	7	A	12	1177.6146	589.3110
707.3359	8	A	11	1106.5775	553.7924
764.3573	9	G	10	1035.5404	518.2738
861.4101	10	P	9	978.5189	489.7631
960.4785	11	V	8	881.4662	441.2367
1059.5469	12	V	7	782.3978	391.7025
1156.5997	13	P	6	683.3294	342.1683
1253.6525	14	P	5	586.2766	293.6419
1413.6831	15	C(Carbamidomethyl)	4	489.2238	245.1156
1510.7359	16	P	3	329.1932	165.1002

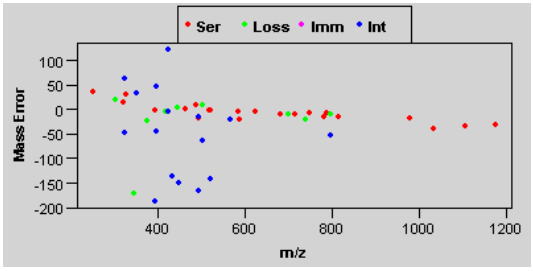
1567.7573	17	**G**	2	232.1404	116.5738
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAAGPVVPPC(Carbamidomethyl)PGR^{+2}



Max Intensity: **160**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.7%** Matched Series Intensity: **99.6%**



Sequence: SYAAAGPVVPPC(Carbamidomethyl)PGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H104 N19 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1499.5770	1498.7471	750.2922	749.8772

[–] Peak Matches

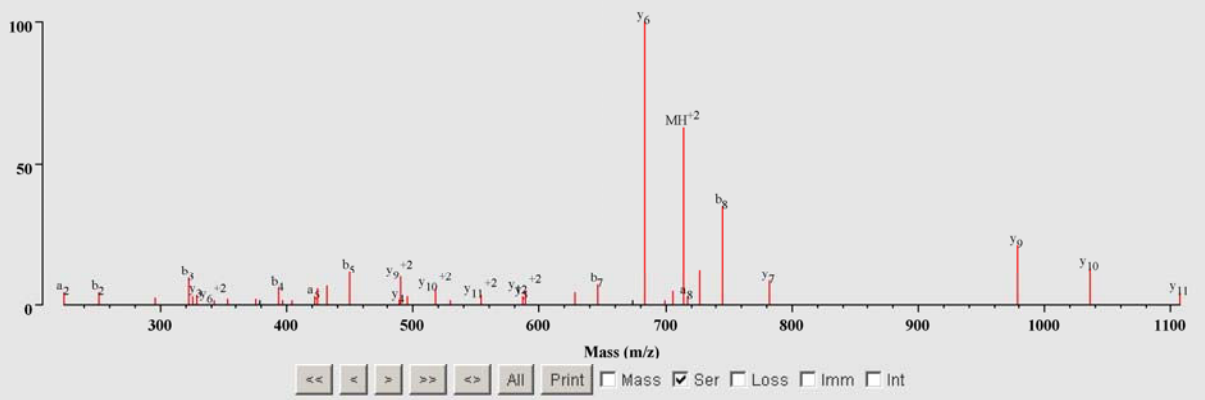
251.1118	304.1349	322.1450	325.2079	329.2032	347.1119	353.2302	375.1575	393.1758	396.2423
b_2(37)	b_3-H_2O(19)	b_3(16)	AGPV(64) GPVV-28(-48)	y_3(30)	a_4-H_2O(-171)	GPVV(34)	b_4-H_2O(-23)	b_4(-2.7) PVVP(-188) VVPP(-188)	AAGPV(46) AGPVV-28(-46)
418.2073	**424.2534**	**434.1441**	**446.2053**	**450.2042**	**464.2144**	**489.7681**	**493.2319**	**495.2852**	**503.2293**
a_5-H_2O(-2.9)	PPC(Carbamidomethyl)P-28(123) AGPVV(-4.8)	YAAAG(-137)	b_5-H_2O(4.2)	GPVVP(-149)	b_5(0.92)	y_9^{+2}(10)	a_6(-17) AGPVVP-28(-165)	AAGPVV(-15)	b_6-H_2O(8.8) YAAAGP-28(-64)
518.2724	**521.2346**	**566.3176**	**586.2744**	**589.2983**	**624.8261**	**683.3229**	**699.3392**	**717.3496**	**740.8573**
y_{10}^{+2}(-2.8)	b_6(-1.6) AGPVVP(-141)	AAAGPVV(-21)	y_5(-3.7)	y_{12}^{+2}(-21)	y_{13}^{+2}(-5.5)	y_6(-9.4)	b_8-H_2O(-9.8)	b_8(-9.8)	MH-H_2O^{+2}(-20)
745.3641	**749.8715**	**782.3863**	**788.4251**	**798.4077**	**816.4129**	**978.5013**	**1035.4988**	**1106.5404**	**1177.5767**
	MH^{+2}(-7.6)	y_7(-15)	a_9(-6.4)	b_9-H_2O(-8.5) YAAAGPVVP-28(-54)	b_9(-15)	y_9(-18)	y_{10}(-40)	y_{11}(-34)	y_{12}(-32)

[–] Main Sequence Ions

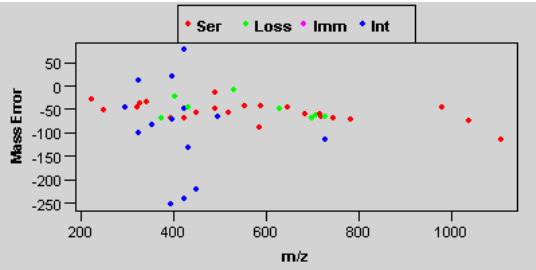
b				y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1411.7151	706.3612
322.1397	3	A	13	1248.6518	624.8295
393.1769	4	A	12	1177.6146	589.3110
464.2140	5	A	11	1106.5775	553.7924
521.2354	6	G	10	1035.5404	518.2738
618.2882	7	P	9	978.5189	489.7631
717.3566	8	V	8	881.4662	441.2367
816.4250	9	V	7	782.3978	391.7025
913.4778	10	P	6	683.3294	342.1683
1010.5306	11	P	5	586.2766	293.6419
1170.5612	12	C(Carbamidomethyl)	4	489.2238	245.1156
1267.6140	13	P	3	329.1932	165.1002
1324.6354	14	G	2	232.1404	116.5738
---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAGPVVPPC(Carbamidomethyl)PGR^{+2}



Max Intensity: **22.0**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **98.7%** Matched Series Intensity: **98.4%**



Sequence: SYAAGPVVPPC(Carbamidomethyl)PGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H99 N18 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1428.4977	1427.7100	714.7526	714.3586

[–] Peak Matches

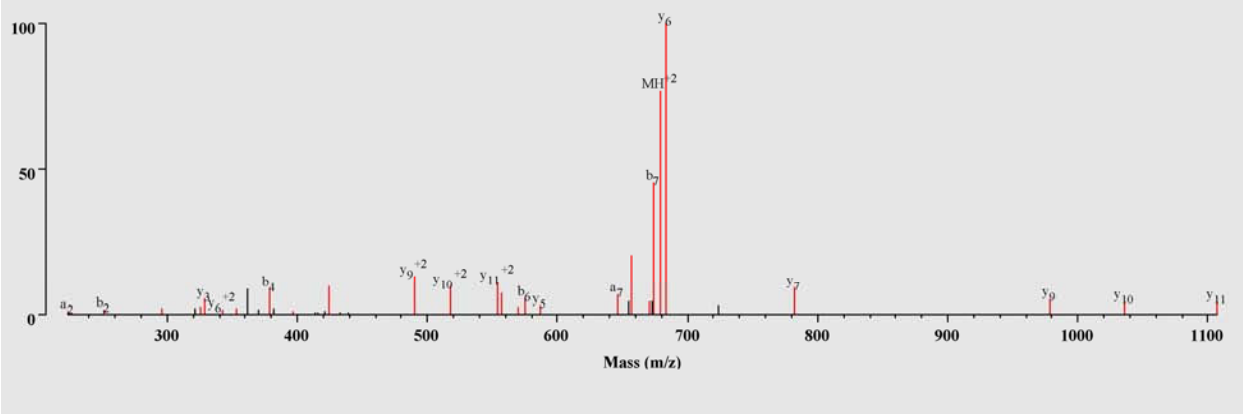
223.1014	251.0899	296.1835	322.1246	325.1910	329.1813	342.1571	353.1892	375.1404	379.1341
a_2(-28)	b_2(-51)	PVV(-45) VVP(-45)	b_3(-47)	AGPV(12) GPVV-28(-100)	y_3(-36)	y_6^{+2}(-33)	GPVV(-82)	b_4-H_2O(-69)	
393.1500	**396.2316**	**404.1832**	**422.1745**	**424.2343**	**432.1675**	**450.1720**	**489.2175**	**489.7388**	**495.2604**
b_4(-68) VVPP(-253) PVVP(-253)	AAGPV(19) AGPVV-28(-73)	a_5-H_2O(-24)	a_5(-68) GPVVP-28(-241)	PPC(Carbamidomethyl)P-28(78) AGPVV(-50)	b_5-H_2O(-47) YAAGP-28(-131)	b_5(-58) GPVVP(-220)	y_4(-13)	y_9^{+2}(-50)	AAGPVV(-65)
518.2440	**529.2354**	**553.7692**	**586.2252**	**589.2859**	**628.2788**	**646.2898**	**674.2908**	**683.2880**	**699.3348**
y_{10}^{+2}(-58)	b_6-H_2O(-9.7)	y_{11}^{+2}(-42)	y_5(-88)	y_{12}^{+2}(-43)	b_7-H_2O(-48)	b_7(-46)		y_6(-61)	a_8-H_2O(-68)
705.3090	**713.9638**	**714.3153**	**717.3462**	**727.3295**	**745.3364**	**782.3415**	**978.4749**	**1035.4628**	**1106.4507**
MH-H_2O^{+2}(-63)		MH^{+2}(-61)	a_8(-65)	b_8-H_2O(-66) YAAGPVVP-28(-116)	b_8(-69)	y_7(-72)	y_9(-45)	y_{10}(-75)	y_{11}(-115)

[–] Main Sequence Ions

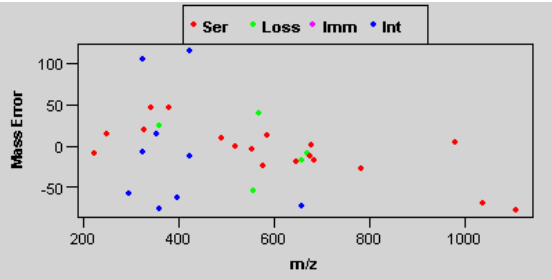
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1340.6780	670.8426
322.1397	3	A	12	1177.6146	589.3110
393.1769	4	A	11	1106.5775	553.7924
450.1983	5	G	10	1035.5404	518.2738
547.2511	6	P	9	978.5189	489.7631
646.3195	7	V	8	881.4662	441.2367
745.3879	8	V	7	782.3978	391.7025
842.4407	9	P	6	683.3294	342.1683
939.4934	10	P	5	586.2766	293.6419
1099.5241	11	C(Carbamidomethyl)	4	489.2238	245.1156
1196.5769	12	P	3	329.1932	165.1002
1253.5983	13	G	2	232.1404	116.5738
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAGPVVPPC(Carbamidomethyl)PGR^{+2}



Max Intensity: **8.99**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **92.4%** Matched Series Intensity: **90.4%**



Sequence: SYAGPVVPPC(Carbamidomethyl)PGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H94 N17 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1357.4184	1356.6729	679.2129	678.8401

[–] **Peak Matches**

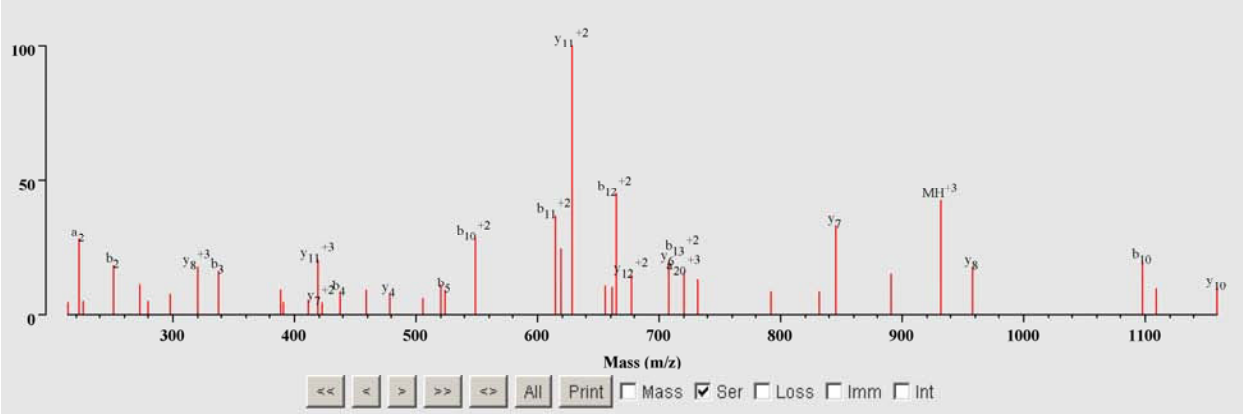
223.1057	251.1062	296.1796	321.1394	325.2208	329.1993	342.1842	353.2237	361.1596	362.1873
a_2(-9.0)	b_2(14)	PVV(-58) VVP(-58)		AGPV(104) GPVV-28(-8.0)	y_3(19)	y_6^{+2}(46)	GPVV(15)	b_4-H_2O(25) YAGP-28(-76)	
370.1262	**379.1788**	**382.2256**	**396.2358**	**413.1869**	**416.1160**	**421.2029**	**424.2500**	**433.2149**	**439.0967**
	b_4(46)		AGPVV-28(-62)				PPC(Carbamidomethyl)P-28(115) AGPVV(-13)		
489.7678	**518.2735**	**553.7905**	**557.2412**	**569.2730**	**575.2679**	**586.2836**	**646.3433**	**654.7312**	**656.3284**
y_9^{+2}(9.6)	y_{10}^{+2}(-0.66)	y_{11}^{+2}(-3.4)	b_6-H_2O(-55)	y_5-NH_3(40)	b_6(-25)	y_5(12)	a_7(-19)		b_7-H_2O(-18) YAGPVVP-28(-73)
670.3209	**672.3308**	**674.3428**	**678.8403**	**683.3180**	**723.3610**	**782.3755**	**978.5231**	**1035.4692**	**1106.4914**
MH-NH_3^{+2}(-8.8)		b_7(-12)	MH^{+2}(0.33)	y_6(-17)		y_7(-28)	y_9(4.2)	y_{10}(-69)	y_{11}(-78)

[–] **Main Sequence Ions**

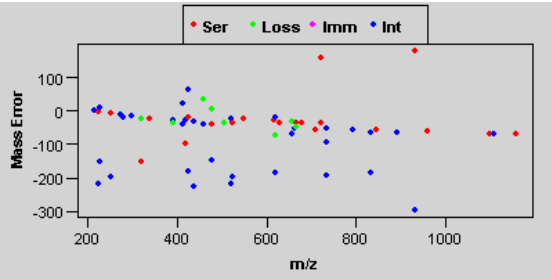
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1269.6409	635.3241
322.1397	3	A	11	1106.5775	553.7924
379.1612	4	G	10	1035.5404	518.2738
476.2140	5	P	9	978.5189	489.7631
575.2824	6	V	8	881.4662	441.2367
674.3508	7	V	7	782.3978	391.7025
771.4036	8	P	6	683.3294	342.1683
868.4563	9	P	5	586.2766	293.6419
1028.4870	10	C(Carbamidomethyl)	4	489.2238	245.1156
1125.5397	11	P	3	329.1932	165.1002
1182.5612	12	G	2	232.1404	116.5738
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVSGKPQYMVLVPSLLHTETTEK^{+3}



Max Intensity: **918**
Num Matched: **40/40 (0.0% unmatched)** Matched Intensity: **100.0%** Matched Series Intensity: **100.0%**



Sequence SYSVSGKPQYMVLVPSLLHTETTEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C125 H201 N30 O40 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2796.2320	2794.4332	1398.6197	1397.7202	932.7490	932.1492

[–] Peak Matches

213.1602	223.1069	226.1208	251.1006	273.1527	280.1602	298.1720	320.1171	338.1267	389.1701
VL(2.1) LV(2.1)	YS-28(-3.7) a_2(-3.7) LH-28(-217)	VSG-H_2O(9.7) PQ(9.7) KP(-151)	YS(-8.1) b_2(-8.1) LH(-198)	SGK(-11)	PSL-H_2O(-19)	PSL(-14)	b_3-H_2O(-22) y_8^{+3}(-153)	b_3(-24)	PQY(-30)
391.1833	**411.2443**	**419.1813**	**423.1957**	**437.1882**	**459.2371**	**478.2311**	**506.2070**	**520.2104**	**524.2155**
a_4-H_2O(-37)	GKPQ(23) PSLL(-39)	b_4-H_2O(-27) YSVS-H_2O(-27) y_{11}^{+3}(-98)	QYM(62) y_7^{+2}(-19) SLLH-28(-179)	b_4(-34) YSVS(-34) LLHT-28(-226)	b_9-NH_3^{+2}(33) SVSGK(-42)	a_5-H_2O(3.1) y_4(-41) VLVPS-H_2O(-149)	b_5-H_2O(-35)	PQYM(-23) PSLLH-28(-219)	b_5(-37) SLLHT-28(-198)
549.2537	**614.7694**	**619.2781**	**628.3069**	**655.2959**	**661.2956**	**664.2972**	**677.8391**	**708.3017**	**720.8363**
b_{10}^{+2}(-24)	b_{11}^{+2}(-29)	PQYMV(-21) y_{11}-H_2O^{+2}(-75) VPSLLH-28(-185)	y_{11}^{+2}(-37)	b_{12}-H_2O^{+2}(-31) LHTETT-28(-69)	SGKPQY(-53)	b_{12}^{+2}(-36) a_7-NH_3(-49)	y_{12}^{+2}(-37)	y_6(-56)	a_{20}^{+3}(158) b_{13}^{+2}(-37)
732.3356	**792.3263**	**831.3894**	**845.3501**	**891.3817**	**932.3159**	**958.4233**	**1097.4487**	**1109.4698**	**1158.5213**
PQYMVL(-54) VSGKPQY-28(-93) LVPSLLH-28(-193)	SGKPQYM(-56)	QYMVLVP(-65) PQYMVLV(-65) VLVPSLLH-28(-187)	y_7(-59)	SGKPQYMV(-65) VSGKPQYM(-65)	MH^{+3}(179) VLVPSLLHT-28(-297)	y_8(-63)	b_{10}(-71)	PSLLHTETTE(-70)	y_{10}(-68)

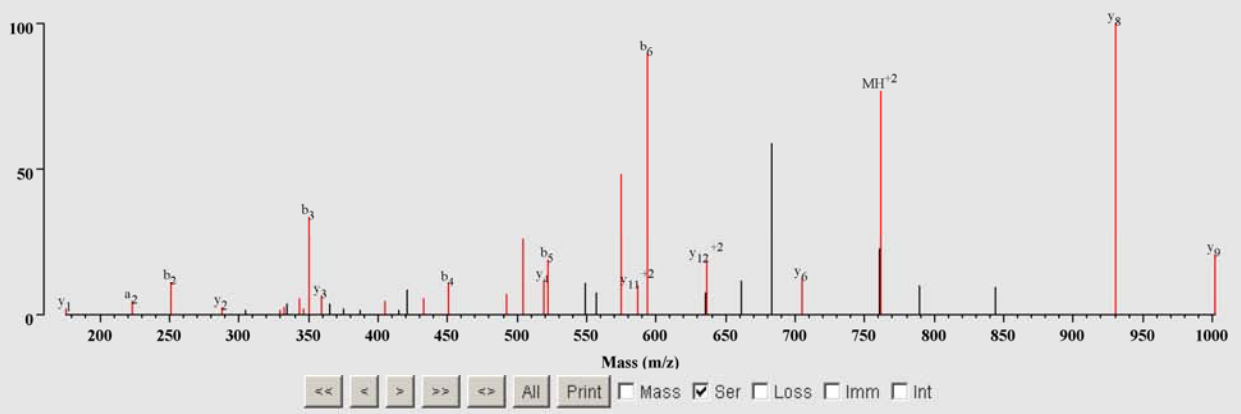
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 25	---	---
251.1026	---	2	**Y** 24	2707.4011	1354.2042
338.1347	---	3	**S** 23	2544.3378	1272.6725
437.2031	---	4	**V** 22	2457.3058	1229.1565
524.2351	---	5	**S** 21	2358.2374	1179.6223
581.2566	---	6	**G** 20	2271.2053	1136.1063
709.3515	355.1794	7	**K** 19	2214.1839	1107.5956
806.4043	403.7058	8	**P** 18	2086.0889	1043.5481
934.4629	467.7351	9	**Q** 17	1989.0361	995.0217
1097.5262	549.2667	10	**Y** 16	1860.9776	930.9924
1228.5667	614.7870	11	**M** 15	1697.9142	849.4608
1327.6351	664.3212	12	**V** 14	1566.8737	783.9405
1440.7192	720.8632	13	**L** 13	1467.8053	734.4063
1539.7876	770.3974	14	**V** 12	1354.7213	677.8643
1636.8403	818.9238	15	**P** 11	1255.6529	628.3301

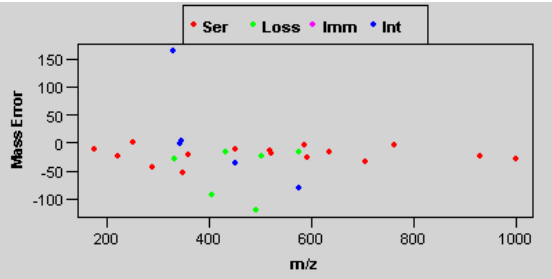
1723.8724	862.4398	16	**S**	10	1158.6001	579.8037
1836.9564	918.9819	17	**L**	9	1071.5681	536.2877
1950.0405	975.5239	18	**L**	8	958.4840	479.7456
2087.0994	1044.0533	19	**H**	7	845.3999	423.2036
2188.1471	1094.5772	20	**T**	6	708.3410	354.6742
2317.1897	1159.0985	21	**E**	5	607.2933	304.1503
2418.2374	1209.6223	22	**T**	4	478.2508	239.6290
2519.2850	1260.1462	23	**T**	3	377.2031	189.1052
2648.3276	1324.6675	24	**E**	2	276.1554	138.5813
---	---	25	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVTAAPQSVC(Carbamidomethyl)ALR^{+2}



Max Intensity: **20.8**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **76.9%** Matched Series Intensity: **74.0%**



Sequence: SYVTAAPQSVC(Carbamidomethyl)ALR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C65 H108 N19 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1523.5965	1522.7682	762.3020	761.8878

[–] Peak Matches

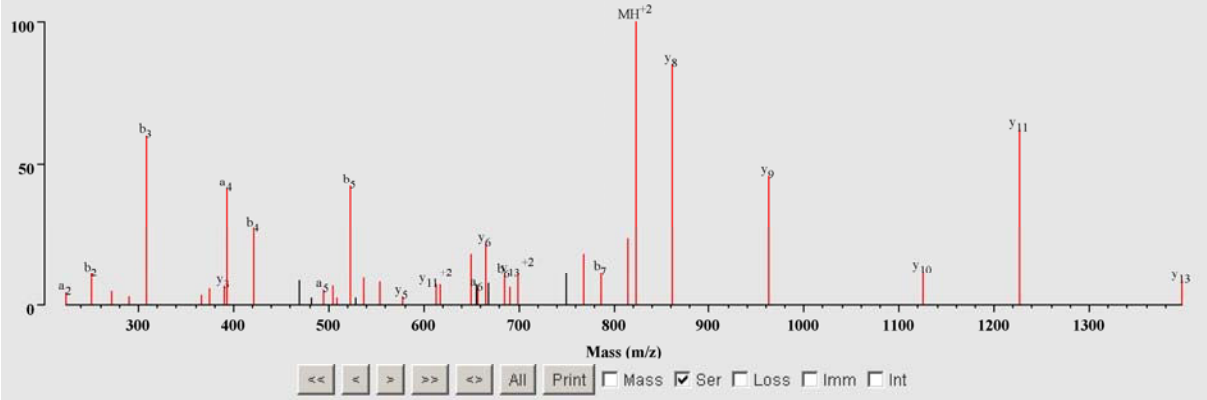
175.1168	**223.1026**	**251.1027**	**288.1904**	**305.1503**	**329.1819**	**332.1509**	**334.1290**	**343.1969**	**346.1772**
y_1(-12)	a_2(-23)	b_2(0.27)	y_2(-44)		SVC(Carbamidomethyl)-H_2O(164)	b_3-H_2O(-29)		VTAA(-2.0)	YVT-H_2O(3.1)
350.1527	**359.2331**	**365.1397**	**375.1532**	**387.1680**	**405.1756**	**415.1762**	**421.1608**	**433.2015**	**451.2138**
b_3(-52)	y_3(-20)				a_4-H_2O(-93)			b_4-H_2O(-15)	b_4(-11) TAAPQ-H_2O(-36)
492.1993	**504.2330**	**519.2638**	**522.2467**	**549.2332**	**557.2478**	**575.2728**	**587.3036**	**593.2781**	**635.2658**
y_9-H_2O^{+2}(-120)	b_5-H_2O(-24)	y_4(-13)	b_5(-18)			b_6-H_2O(-17) YVTAAP-28(-80)	y_{11}^{+2}(-3.9)	b_6(-25)	
636.8294	**661.2750**	**683.3104**	**705.3475**	**760.3250**	**761.8839**	**789.3102**	**844.3969**	**930.4611**	**1001.4904**
y_{12}^{+2}(-17)			y_6(-34)		MH^{+2}(-5.1)			y_8(-23)	y_9(-29)

[–] Main Sequence Ions

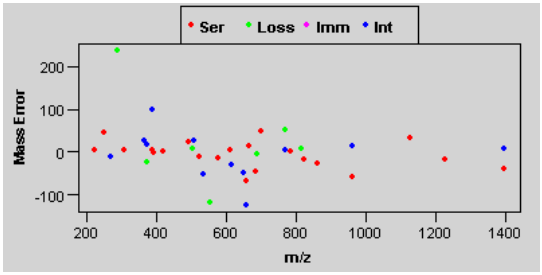
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1435.7362	718.3717
350.1710	3	V	12	1272.6729	636.8401
451.2187	4	T	11	1173.6045	587.3059
522.2558	5	A	10	1072.5568	536.7820
593.2930	6	A	9	1001.5197	501.2635
690.3457	7	P	8	930.4826	465.7449
818.4043	8	Q	7	833.4298	417.2185
905.4363	9	S	6	705.3712	353.1892
1004.5047	10	V	5	618.3392	309.6732
1164.5354	11	C(Carbamidomethyl)	4	519.2708	260.1390
1235.5725	12	A	3	359.2401	180.1237
1348.6566	13	L	2	288.2030	144.6051
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGITYTPVSSTNEK^{+2}



Max Intensity: **2.56**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.5%** Matched Series Intensity: **93.4%**



Sequence: SYGITYTPVSSTNEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H112 N17 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1647.7898	1646.7908	824.3986	823.8990

[–] **Peak Matches**

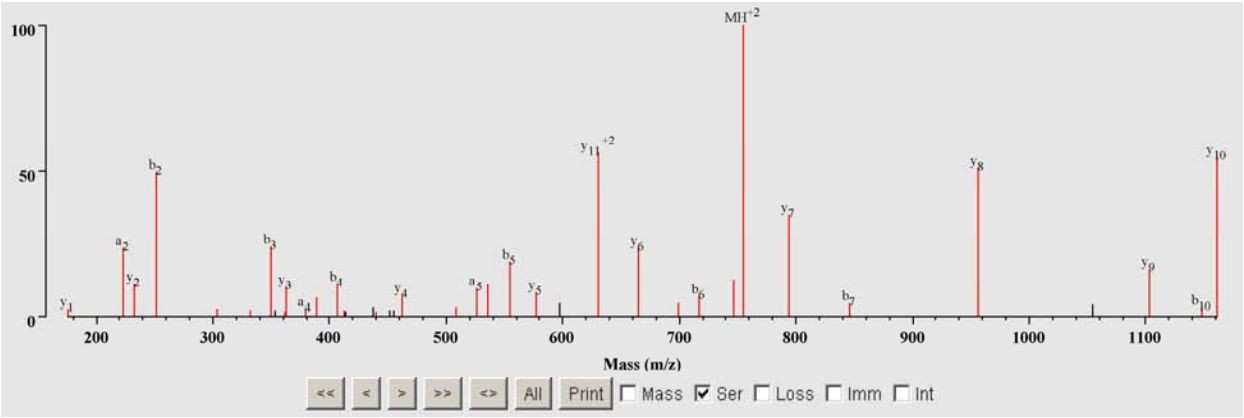
223.1085	251.1137	272.1577	290.1825	308.1254	366.1750	375.1941	390.2005	393.2123	421.2088
a_2(3.5)	b_2(44)	GIT(-10)	b_3-H_2O(238)	b_3(4.2)	TYT(25)	VSST(18) a_4-H_2O(-23)	SSTN(99) y_3(5.6)	a_4(-2.4)	b_4(1.5)
469.2117	**482.2071**	**494.2726**	**504.2492**	**508.2908**	**522.2497**	**528.2141**	**536.2442**	**554.2048**	**578.2703**
		a_5(24)	b_5-H_2O(7.8)	GITYT-28(28)	b_5(-12)		GITYT(-51)	y_{10}-H_2O^{+2}(-117)	y_5(-13)
613.8014	**617.2740**	**649.2868**	**655.2665**	**657.2787**	**665.3196**	**668.3230**	**685.2886**	**690.3345**	**698.8846**
y_{11}^{+2}(4.6)	YTPVSS-H_2O(-31)	TYTPVS(-50)		a_6(-69) ITYTPV-H_2O(-125)	y_6(14)		b_6(-45)	y_{13}-NH_3^{+2}(-5.2)	y_{13}^{+2}(48)
750.3700	**768.3956**	**786.3671**	**814.9008**	**823.8838**	**861.4078**	**962.4231**	**1125.5807**	**1226.5671**	**1396.6378**
	b_7-H_2O(51) YGITYTP-28(3.8)	b_7(0.32)	MH-H_2O^{+2}(8.6)	MH^{+2}(-19)	y_8(-27)	YTPVSSTNE-NH_3(13) y_9(-58)	y_{10}(34)	y_{11}(-19)	YGITYTPVSSTNE-NH_3(7.9) y_{13}(-41)

[–] **Main Sequence Ions**

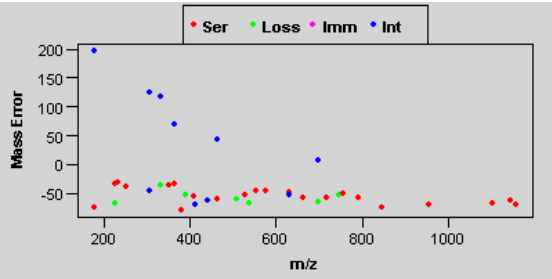
b				y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1559.7588	780.3830
308.1241	3	G	13	1396.6955	698.8514
421.2082	4	I	12	1339.6740	670.3406
522.2558	5	T	11	1226.5899	613.7986
685.3192	6	Y	10	1125.5422	563.2748
786.3668	7	T	9	962.4789	481.7431
883.4196	8	P	8	861.4312	431.2193
982.4880	9	V	7	764.3785	382.6929
1069.5201	10	S	6	665.3101	333.1587
1156.5521	11	S	5	578.2780	289.6427
1257.5998	12	T	4	491.2460	246.1266
1371.6427	13	N	3	390.1983	195.6028
1500.6853	14	E	2	276.1554	138.5813
---	15	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVGFYESDVMGR^{+2}



Max Intensity: **31.8**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **95.7%** Matched Series Intensity: **94.8%**



Sequence: SYVGFYESDVMGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C67 H97 N16 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1510.6755	1509.6679	755.8414	755.3376

[–] Peak Matches

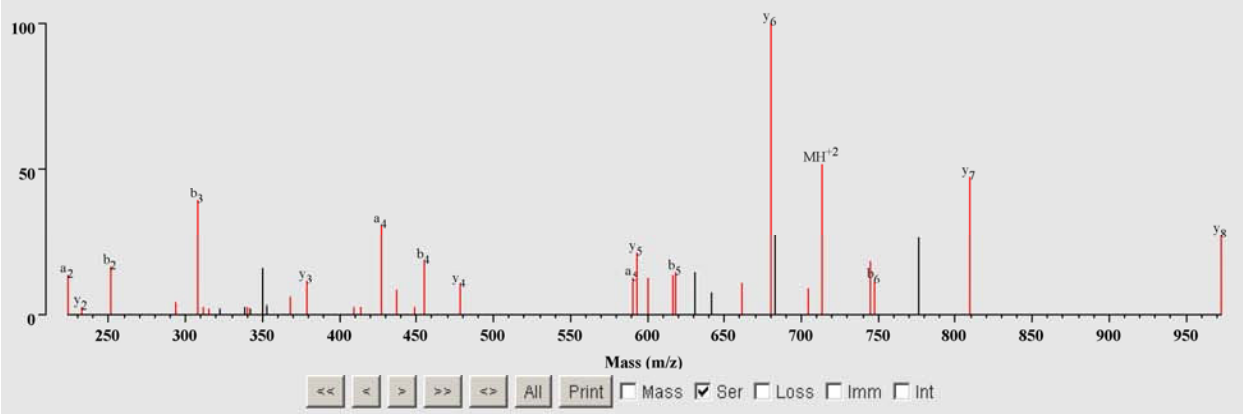
175.1058	223.1000	232.1332	251.0929	304.1520	332.1481	350.1580	353.1323	362.1597	363.1690
SD-28(197) y_1(-75)	a_2(-35) y_4-NH_3^{+2}(-67)	y_2(-31)	b_2(-39)	ESD-28(125) a_3-H_2O(-45) VGF(-45)	ESD(118) b_3-H_2O(-37)	b_3(-37)		YES-H_2O(69)	y_3(-33)
379.1673	**389.1614**	**407.1702**	**412.1581**	**414.1664**	**437.1554**	**439.2058**	**452.1942**	**455.1756**	**462.2210**
a_4(-80)	b_4-H_2O(-53)	b_4(-55)	FYE-28(-69)			VGFY-28(-64) YVGF-28(-64)			SDVMG-28(42) y_4(-61)
508.2252	**526.2374**	**536.2143**	**554.2347**	**577.2501**	**597.2917**	**630.2588**	**664.2699**	**699.2673**	**717.2828**
a_5-H_2O(-60)	a_5(-54)	b_5-H_2O(-67)	b_5(-47)	y_5(-45)		y_{11}^{+2}(-49) YVGFY(-53)	y_6(-58)	GFYESD(7.5) b_6-H_2O(-66)	b_6(-58)
746.2927	**754.8540**	**755.2987**	**793.3041**	**846.3045**	**956.3486**	**1054.4668**	**1103.4087**	**1147.4228**	**1160.4234**
MH-H_2O^{+2}(-53)		MH^{+2}(-51)	y_7(-59)	YVGFYES(-74) b_7(-74)	y_8(-69)		y_9(-67)	b_{10}(-62)	y_{10}(-70)

[–] Main Sequence Ions

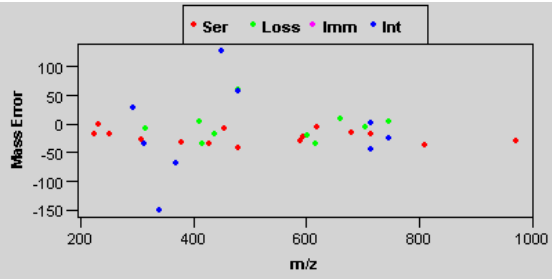
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1422.6358	711.8216
350.1710	3	V	11	1259.5725	630.2899
407.1925	4	G	10	1160.5041	580.7557
554.2609	5	F	9	1103.4826	552.2449
717.3243	6	Y	8	956.4142	478.7107
846.3668	7	E	7	793.3509	397.1791
933.3989	8	S	6	664.3083	332.6578
1048.4258	9	D	5	577.2763	289.1418
1147.4942	10	V	4	462.2493	231.6283
1278.5347	11	M	3	363.1809	182.0941
1335.5562	12	G	2	232.1404	116.5738
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGFYESDVM(Oxidation)GR^{+2}



Max Intensity: **6.04**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **84.2%** Matched Series Intensity: **82.6%**



Sequence: SYGFYESDVM(Oxidation)GR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C62 H88 N15 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1427.3796	1426.5944	714.1935	713.8008

[–] Peak Matches

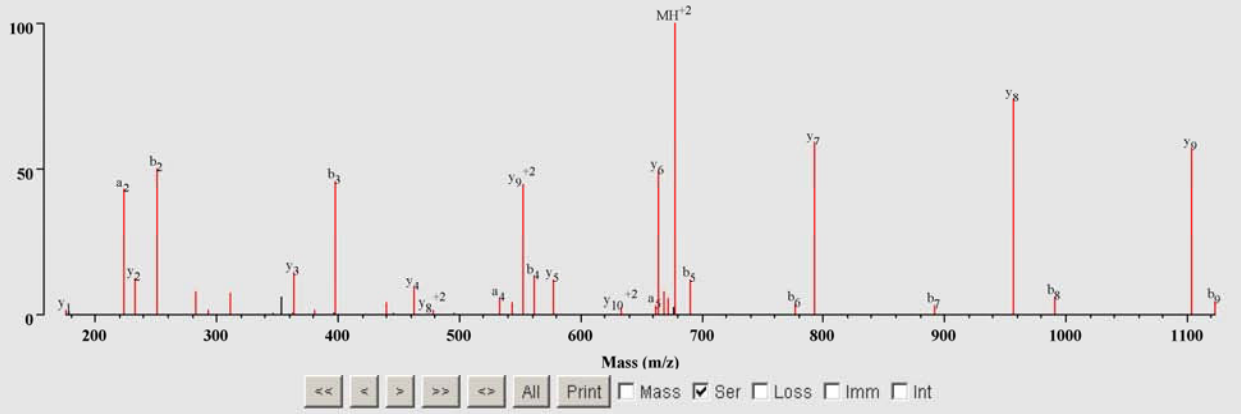
223.1040	232.1401	251.0982	293.1218	308.1154	311.1283	315.1750	322.1276	338.1202	340.1142
a_2(-17)	y_2(-1.4)	b_2(-18)	YE(29)	b_3(-28)	FY(-34)	y_3-SOCH$_4$(-8.0)			YGF-28(-151) GFY-28(-151)
342.1491	**350.1651**	**353.1435**	**368.1355**	**379.1641**	**409.1884**	**414.2317**	**427.1825**	**437.1743**	**449.2275**
			YGF(-68) GFY(-68)	y_3(-31)	a_4-H$_2$O(3.3)	y_4-SOCH$_4$(-34)	a_4(-35)	b_4-H$_2$O(-17)	SDVM(Oxidation)(128)
455.1893	**478.2243**	**590.2434**	**593.2573**	**600.2332**	**616.2841**	**618.2524**	**631.3546**	**641.8265**	**661.2848**
b_4(-7.1)	y_8-NH$_3$$^{+2}$(61) SDVM(Oxidation)G-28(58) y_4(-42)	a_5(-30)	y_5(-23)	b_5-H$_2$O(-20)	y_6-SOCH$_4$(-34)	b_5(-5.6)			y_{11}-H$_2$O^{+2}(8.0)
680.2928	**683.3055**	**704.7920**	**713.2831**	**713.7888**	**745.3506**	**747.2796**	**776.3948**	**809.3159**	**972.3799**
y_6(-15)		MH-H$_2$O^{+2}(-5.0)	YESDVM(Oxidation)-28(2.8) FYESDV-28(-43)	MH^{+2}(-17)	y_7-SOCH$_4$(4.1)	b_6(-25) YGFYES(-25)		y_7(-37)	y_8(-30)

[–] Main Sequence Ions

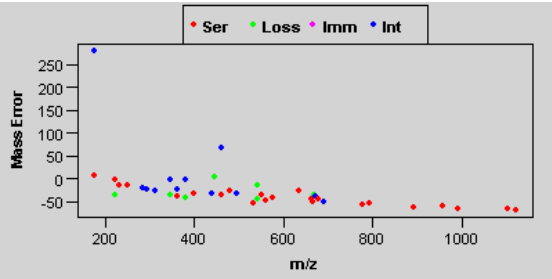
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1339.5623	670.2848
308.1241	3	G	10	1176.4990	588.7531
455.1925	4	F	9	1119.4775	560.2424
618.2558	5	Y	8	972.4091	486.7082
747.2984	6	E	7	809.3458	405.1765
834.3305	7	S	6	680.3032	340.6552
949.3574	8	D	5	593.2712	297.1392
1048.4258	9	V	4	478.2442	239.6258
1195.4612	10	M(Oxidation)	3	379.1758	190.0915
1252.4827	11	G	2	232.1404	116.5738
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFYESDVMGR^{+2}



Max Intensity: **1390**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.5%** Matched Series Intensity: **98.2%**



Sequence SYFYESDVMGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H85 N14 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1354.4898	1353.5780	677.7486	677.2926

[–] Peak Matches

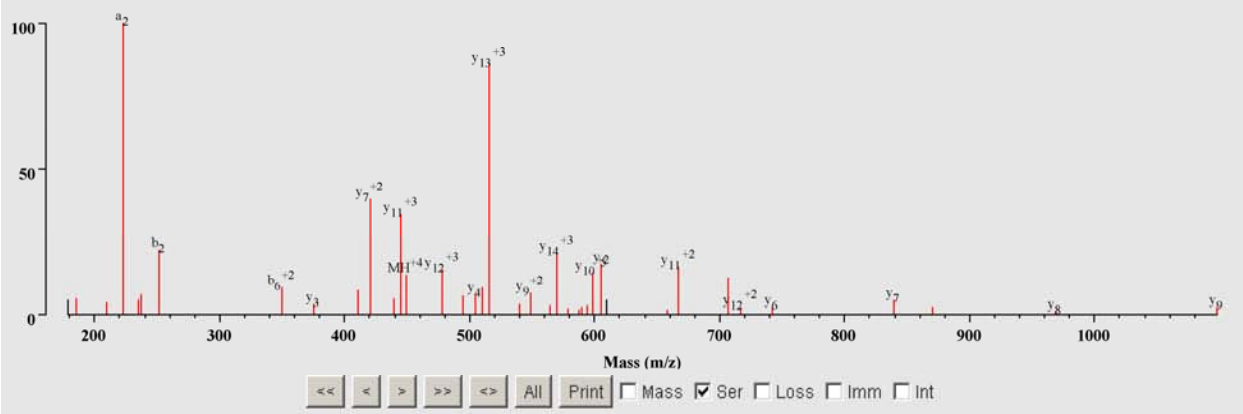
175.1202	178.0881	223.1069	232.1371	251.0991	283.1381	293.1067	311.1311	346.1419	353.1385
SD-28(279) y_1(7.1)		a_2(-3.7) y_4-NH$_3$$^{+2}$(-36)	y_2(-14)	b_2(-14)	FY-28(-21) YF-28(-21)	YE(-22)	FY(-25) YF(-25)	DVM(-3.5) y_3-NH$_3$(-36)	
362.1259	**363.1676**	**380.1443**	**396.1459**	**398.1582**	**440.1673**	**445.2247**	**462.2333**	**478.6990**	**495.1558**
YES-H$_2$O(-24)	y_3(-37)	YES(-2.4) b_3-H$_2$O(-43)		b_3(-32)	FYE(-33)	y_4-NH$_3$(4.3)	SDVMG-28(68) y_4(-35)	$y_8$$^{+2}$(-25)	YESD(-33)
533.2110	**543.2156**	**552.2252**	**561.2080**	**577.2518**	**633.7603**	**662.2523**	**664.2752**	**668.2642**	**672.2405**
a_4(-53)	b_4-H$_2$O(-15) y_9-H$_2$O^{+2}(-44)	$y_9$$^{+2}$(-36)	b_4(-47)	y_5(-42)	$y_{10}$$^{+2}$(-26)	YFYES-28(-45) a_5(-45)	y_6(-50)	MH-H$_2$O^{+2}(-35)	b_5-H$_2$O(-39) YFYES-H$_2$O(-39)
676.8982	**677.2627**	**690.2416**	**777.2656**	**793.3069**	**892.2804**	**956.3560**	**991.3384**	**1103.4102**	**1122.3678**
	MH^{+2}(-44)	b_5(-51) YFYES(-51)	YFYESD-28(-56) b_6(-56)	y_7(-55)	b_7(-62)	y_8(-61)	b_8(-67)	y_9(-66)	b_9(-69)

[–] Main Sequence Ions

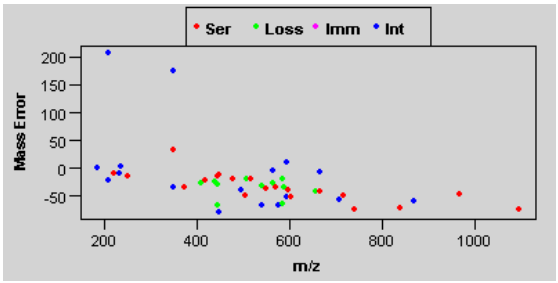
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1266.5459	633.7766
398.1710	3	F 9	1103.4826	552.2449
561.2344	4	Y 8	956.4142	478.7107
690.2770	5	E 7	793.3509	397.1791
777.3090	6	S 6	664.3083	332.6578
892.3359	7	D 5	577.2763	289.1418
991.4044	8	V 4	462.2493	231.6283
1122.4448	9	M 3	363.1809	182.0941
1179.4663	10	G 2	232.1404	116.5738
---	11	R 1	175.1190	88.0631

[+] All Sequence Ions
[+] Internal Ions
[+] Theoretical Peak Table

SYLVHVEEPHTETVR^{+4}



Max Intensity: **212**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **97.9%**



Sequence SYLVHVEEPHTETVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C79 H123 N22 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1796.9896	1795.8973	898.9985	898.4523	599.6681	599.3040	450.0030	449.7298

[–] Peak Matches

178.0856	185.1649	209.1353	223.1055	235.1168	237.1352	251.0991	350.2068	375.2228	411.2059
	LV-28(0.33)	EP-H_2O(207) HV-28(-21) VH-28(-21)	a_2(-9.9)	PH(-9.2)	HV(2.5) VH(2.5)	b_2(-14)	HTE-H_2O(174) b_6^{+2}(34) LVH(-34)	y_3(-33)	y_7-H_2O^{+2}(-27)
420.2127	**439.2068**	**445.2147**	**449.2514**	**449.7249**	**478.2353**	**495.2000**	**504.2522**	**509.9250**	**515.9283**
y_7^{+2}(-22)	y_{11}-H_2O^{+3}(-25)	y_{11}^{+3}(-15) MH-H_2O^{+4}(-28) b_4-H_2O(-67)	LVHV(-79)	MH^{+4}(-11)	y_{12}^{+3}(-19)	HVEE(-40)	y_4(-50)	y_{13}-H_2O^{+3}(-20)	y_{13}^{+3}(-20)
540.2421	**549.2448**	**564.2746**	**570.2746**	**578.2914**	**587.2765**	**589.7743**	**594.2574**	**598.7760**	**605.2938**
y_9-H_2O^{+2}(-32) HTETV-28(-66)	y_9^{+2}(-36)	HVEEP-28(-5.4) VEEPH-28(-5.4) y_{14}-H_2O^{+3}(-27)	y_{14}^{+3}(-33)	LVHVE(-66)	b_{10}-H_2O^{+2}(-20) y_5-H_2O(-65)	y_{10}-H_2O^{+2}(-33)	EEPHT(9.4) EPHTE(9.4) VHVEE(-52)	y_{10}^{+2}(-38)	y_5(-52)
609.2957	**658.2959**	**667.3006**	**707.3323**	**716.8274**	**742.3291**	**839.3762**	**870.3841**	**968.4338**	**1097.4425**
	y_{11}-H_2O^{+2}(-41)	EPHTET-28(-6.0) y_{11}^{+2}(-42)	LVHVEE(-56)	y_{12}^{+2}(-49)	y_6(-74)	y_7(-72)	YLVHVEE(-59)	y_8(-47)	y_9(-73)

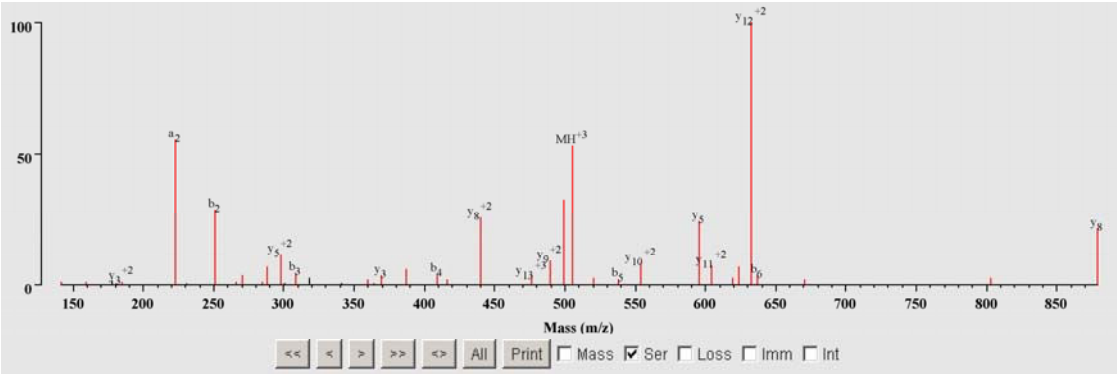
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 15	---	---
251.1026	---	2	**Y** 14	1708.8653	854.9363
364.1867	---	3	**L** 13	1545.8020	773.4046
463.2551	---	4	**V** 12	1432.7179	716.8626
600.3140	300.6606	5	**H** 11	1333.6495	667.3284
699.3824	350.1949	6	**V** 10	1196.5906	598.7989
828.4250	414.7162	7	**E** 9	1097.5222	549.2647
957.4676	479.2374	8	**E** 8	968.4796	484.7434
1054.5204	527.7638	9	**P** 7	839.4370	420.2221
1191.5793	596.2933	10	**H** 6	742.3842	371.6958
1292.6270	646.8171	11	**T** 5	605.3253	303.1663
1421.6696	711.3384	12	**E** 4	504.2776	252.6425
1522.7172	761.8623	13	**T** 3	375.2350	188.1212
1621.7857	811.3965	14	**V** 2	274.1874	137.5973

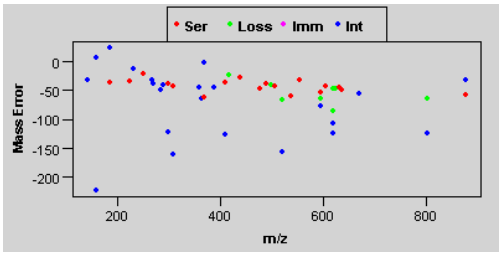
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTEVPSVPEHGR^{+3}



Max Intensity: **188**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.4%** Matched Series Intensity: **96.7%**



Sequence SYGTEVPSVPEHGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C65 H100 N19 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1515.6323	1514.7234	758.3199	757.8653	505.8824	505.5793

[–] **Peak Matches**

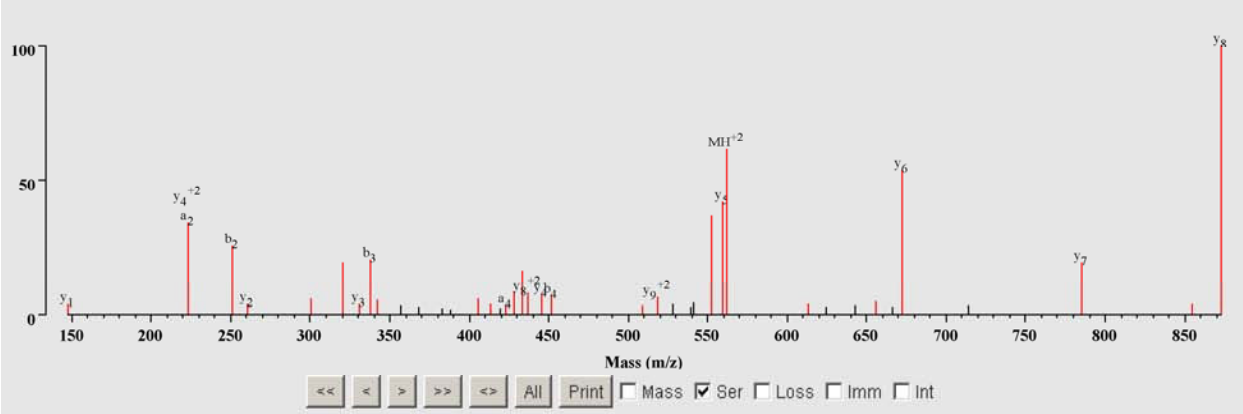
141.0612	159.0774	178.0839	185.0965	223.1000	231.0948	251.0974	266.1417	270.0979	284.1466
GT-H_2O(-33)	GT(6.2) SV-28(-223)		PS(24) y_3^{+2}(-37)	a_2(-35)	TE(-12)	b_2(-21)	PSV-H_2O(-31) SVP-H_2O(-31) VPS-H_2O(-31)	GTE-H_2O(-39)	PSV(-49) VPS(-49) SVP(-49)
288.1071	**298.1395**	**300.1643**	**308.1111**	**318.1775**	**341.1740**	**359.1762**	**364.1381**	**369.1759**	**387.1701**
GTE(-41)	y_5^{+2}(-39) EVP-28(-123) VPE-28(-123)		b_3(-42) EVP-H_2O(-160) VPE-H_2O(-160)			GTEV-28(-45)	PEH(-64)	GTEV-H_2O(-2.6) y_3(-63)	GTEV(-45)
409.1567	**416.2008**	**439.7157**	**476.5465**	**489.2426**	**499.5556**	**505.2341**	**505.5575**	**520.1697**	**538.1819**
b_4(-37) TEVP-H_2O(-126)	y_{12}-H_2O^{+3}(-24)	y_8^{+2}(-27)	y_{13}^{+3}(-46)	y_9^{+2}(-39)	MH-H_2O^{+3}(-40)		MH^{+3}(-43)	b_5-H_2O(-66) VPEHG(-157)	b_5(-60)
553.7647	**595.2627**	**604.2809**	**619.2428**	**623.7822**	**632.7892**	**637.2513**	**670.3033**	**803.3046**	**878.3966**
y_{10}^{+2}(-33)	y_5(-54) y_{11}-H_2O^{+2}(-65) TEVPSV-H_2O(-77)	y_{11}^{+2}(-43)	b_6-H_2O(-48) a_{12}-H_2O^{+2}(-86) YGTEVP-28(-106) PSVPEH-28(-124)	y_{12}-H_2O^{+2}(-48)	y_{12}^{+2}(-45)	b_6(-49)	GTEVPSV(-56)	b_8-H_2O(-65) VPSVPEHG(-125)	GTEVPSVPE-H_2O(-33) y_8(-58)

[–] **Main Sequence Ions**

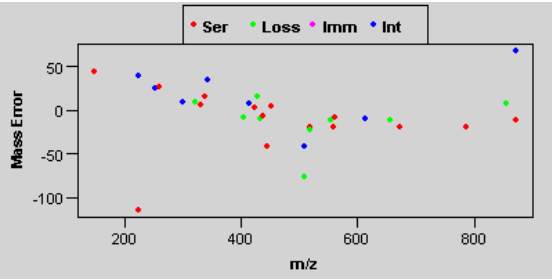
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1427.6914	714.3493
308.1241	---	3	G 12	1264.6280	632.8177
409.1718	---	4	T 11	1207.6066	604.3069
538.2144	---	5	E 10	1106.5589	553.7831
637.2828	---	6	V 9	977.5163	489.2618
734.3355	---	7	P 8	878.4479	439.7276
821.3676	---	8	S 7	781.3951	391.2012
920.4360	---	9	V 6	694.3631	347.6852
1017.4888	---	10	P 5	595.2947	298.1510
1146.5313	---	11	E 4	498.2419	249.6246
1283.5903	642.2988	12	H 3	369.1993	185.1033
1340.6117	670.8095	13	G 2	232.1404	116.5738
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLLNNAIK^{+2}



Max Intensity: **19.1**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **93.6%** Matched Series Intensity: **92.1%**



Sequence SYSLLNNAIK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C50 H84 N13 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1123.3022	1122.6154	562.1548	561.8113

[–] **Peak Matches**

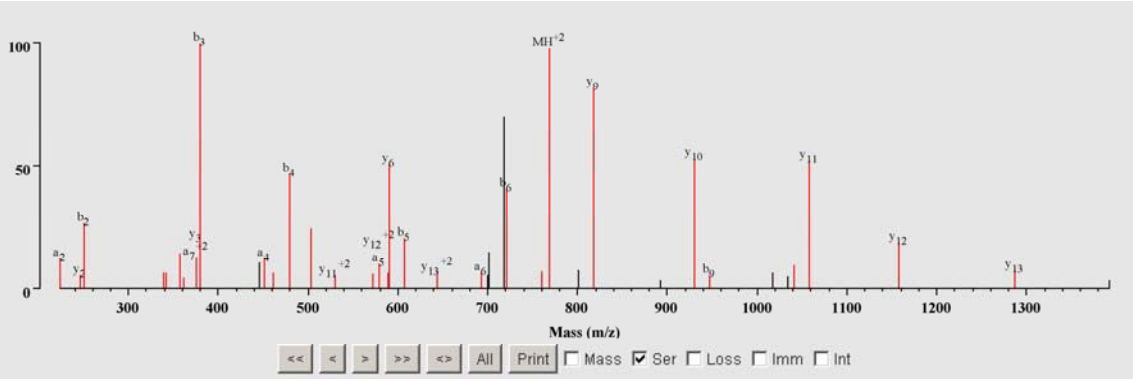
147.1193	223.1164	251.1088	260.2037	300.1328	320.1270	331.2359	338.1400	342.1893	357.2272
y_1(44)	a_2(39) YS-28(39) y_4^{+2}(-115)	b_2(25) YS(25)	y_2(26)	NNA(8.5)	b_3-H_2O(9.1)	y_3(5.8)	b_3(16)	LNN(35)	
368.1883	**383.2121**	**388.1780**	**405.2101**	**413.2177**	**419.2433**	**423.2249**	**427.7653**	**433.2041**	**436.7607**
			a_4-H_2O(-7.8)	LNNA(8.2) NNAI(8.2)		a_4(2.6)	y_8-H_2O^{+2}(16)	b_4-H_2O(-9.4)	y_8^{+2}(-6.7)
445.2583	**451.2208**	**509.2507**	**518.2853**	**528.2691**	**539.2684**	**541.2745**	**552.7993**	**559.3086**	**561.8068**
y_4(-42)	b_4(4.6)	LLNNA-NH_3(-41) LNNAI-NH_3(-41) y_9-H_2O^{+2}(-77)	y_9^{+2}(-19) a_5-H_2O(-23)				MH-H_2O^{+2}(-12)	y_5(-20)	MH^{+2}(-8.0)
613.3241	**624.8167**	**642.3095**	**655.3696**	**666.3411**	**672.3910**	**713.8157**	**785.4731**	**854.5160**	**872.5106**
SLLNNA(-10)			y_6-NH_3(-12)		y_6(-19)		y_7(-19)	y_8-H_2O(7.7)	YSLLNNAI-NH_3(68) y_8(-11)

[–] **Main Sequence Ions**

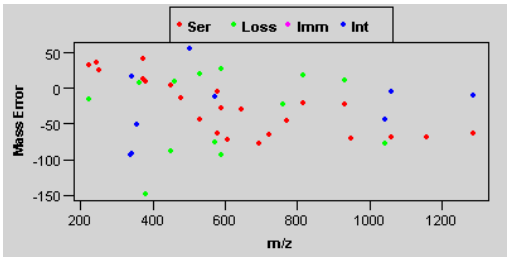
b			y	y^{+2}
---	1	S	10 ---	---
251.1026	2	Y	9 1035.5833	518.2953
338.1347	3	S	8 872.5200	436.7636
451.2187	4	L	7 785.4880	393.2476
564.3028	5	L	6 672.4039	336.7056
678.3457	6	N	5 559.3198	280.1636
792.3886	7	N	4 445.2769	223.1421
863.4258	8	A	3 331.2340	166.1206
976.5098	9	I	2 260.1969	130.6021
---	10	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEVKIGGIGASEVK^{+2}



Max Intensity: **43.5**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **85.8%** Matched Series Intensity: **83.9%**



Sequence SYEVKIGGIGASEVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H114 N17 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1537.7639	1536.8268	769.3856	768.9170

[–] **Peak Matches**

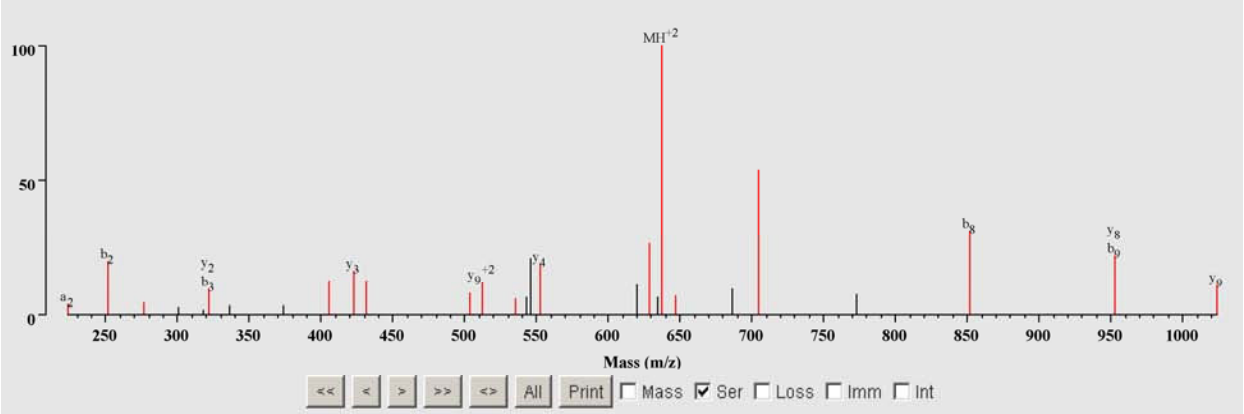
223.1150	246.1904	251.1088	339.1710	341.2237	357.1950	362.1376	375.2290	380.1486	446.2553
a_2(33) y_4-$NH_3$$^{+2}$(-15)	y_2(37)	b_2(25)	EVK-H_2O(-93) KIGG-NH_3(-93)	IGGI(16) VKI(-91)	y_3-H_2O(-51) EVK(-51)	b_3-H_2O(8.1)	$a_7$$^{+2}$(42) y_3(14)	b_3(8.9) b_7-$H_2O$$^{+2}$(-149)	
451.2208	**461.2078**	**479.2076**	**503.2781**	**529.7905**	**572.2604**	**579.3111**	**589.2431**	**590.2980**	**607.2645**
a_4(4.6) a_9-$H_2O$$^{+2}$(-88)	b_4-H_2O(10)	b_4(-13)	YEVK-NH_3(56)	b_{11}-$NH_3$$^{+2}$(21) $y_{11}$$^{+2}$(-44)	GGIGASE(-12) y_6-H_2O(-76)	a_5(-4.5) $y_{12}$$^{+2}$(-64)	b_5-H_2O(-93)	b_5-NH_3(27) y_6(-28)	b_5(-73)
643.8502	**692.3446**	**700.3531**	**701.3277**	**718.3587**	**720.3461**	**759.8947**	**768.8819**	**801.4000**	**817.4245**
$y_{13}$$^{+2}$(-30)	a_6(-77)				b_6(-65)	MH-$H_2O$$^{+2}$(-22)	MH^{+2}(-46)		b_8-NH_3(19) y_9(-21)
892.8829	**930.5040**	**947.4532**	**1017.9270**	**1034.4911**	**1041.5126**	**1058.5469**	**1157.6093**	**1286.6498**	**1391.6002**
	b_9-NH_3(12) y_{10}(-23)	b_9(-70)			EVKIGGIGASE(-43) y_{11}-NH_3(-78)	b_{11}-NH_3(-4.5) YEVKIGGIGAS-NH_3(-4.5) y_{11}(-69)	y_{12}(-69)	YEVKIGGIGASEV-NH_3(-10) y_{13}(-63)	

[–] **Main Sequence Ions**

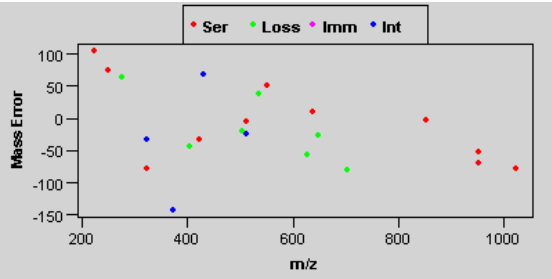
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1449.7948	725.4010
380.1452	---	3	E	13	1286.7314	643.8694
479.2136	---	4	V	12	1157.6888	579.3481
607.3086	304.1579	5	K	11	1058.6204	529.8139
720.3927	360.7000	6	I	10	930.5255	465.7664
777.4141	389.2107	7	G	9	817.4414	409.2243
834.4356	417.7214	8	G	8	760.4199	380.7136
947.5197	474.2635	9	I	7	703.3985	352.2029
1004.5411	502.7742	10	G	6	590.3144	295.6608
1075.5782	538.2928	11	A	5	533.2930	267.1501
1162.6103	581.8088	12	S	4	462.2558	231.6316
1291.6529	646.3301	13	E	3	375.2238	188.1155
1390.7213	695.8643	14	V	2	246.1812	123.5942
---	---	15	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASLSLETM(Oxidation)R^{+2}



Max Intensity: **1.72**
Num Matched: **19/29 (34.5% unmatched)** Matched Intensity: **83.9%** Matched Series Intensity: **77.6%**



Sequence: SYASLSLETM(Oxidation)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C53 H89 N14 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1274.2822	1273.6093	637.6448	637.3083

[–] **Peak Matches**

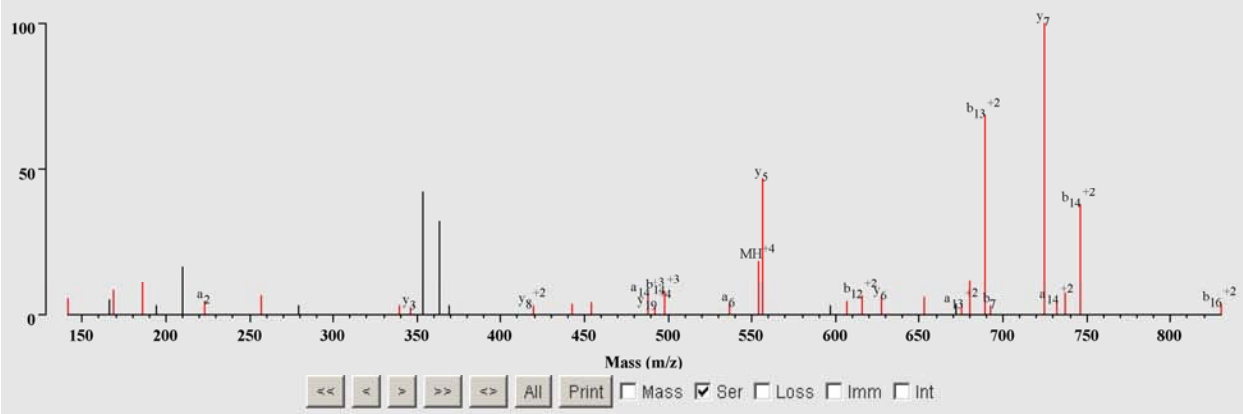
223.1311	251.1212	276.1519	300.1326	318.1547	322.1289	336.1746	373.1913	374.0548	405.1735
a_2(105)	b_2(74)	a_3-H_2O(64)			b_3(-34) YAS(-34) y_2(-79)		SLSL-28(-143)		y_3-H_2O(-44)
423.1883	**431.2434**	**503.2445**	**512.2585**	**535.2388**	**543.2315**	**546.2642**	**552.2727**	**619.7217**	**628.2677**
y_3(-32)	SLET(69)	y_9-H_2O^{+2}(-21)	y_9^{+2}(-4.1) SLSLE-H_2O(-25)	y_4-NH_3(39)			y_4(51)		MH-H_2O^{+2}(-56)
634.3955	**637.3141**	**647.3013**	**686.3320**	**704.3042**	**772.4172**	**851.4128**	**952.4113**	**1023.4328**	
	MH^{+2}(9.1)	y_5-H_2O(-26)		b_7-H_2O(-81)		b_8(-2.0)	b_9(-53) y_8(-69)	y_9(-79)	

[–] **Main Sequence Ions**

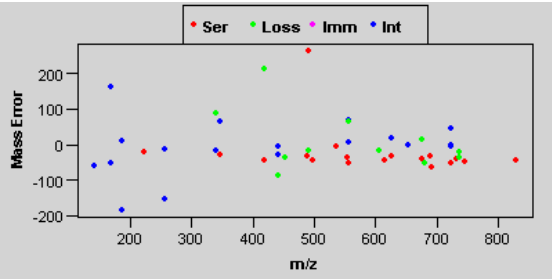
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1186.5773	593.7923
322.1397	3	A	9	1023.5139	512.2606
409.1718	4	S	8	952.4768	476.7420
522.2558	5	L	7	865.4448	433.2260
609.2879	6	S	6	752.3607	376.6840
722.3719	7	L	5	665.3287	333.1680
851.4145	8	E	4	552.2446	276.6259
952.4622	9	T	3	423.2020	212.1047
1099.4976	10	M(Oxidation)	2	322.1544	161.5808
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYANAGKPKDPTFIPAPIQAK^{+4}



Max Intensity: **49.7**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **77.8%** Matched Series Intensity: **77.2%**



Sequence: SYANAGKPKDPTFIPAPIQAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C102 H161 N26 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2215.5731	2214.1917	1108.2903	1107.5995	739.1960	738.7354	554.6489	554.3034

[–] Peak Matches

141.0938	166.0832	169.0884	186.0892	194.1096	210.1063	223.1028	257.1212	279.1722	339.1964
PA-28(-60) AP-28(-60)		AN-NH_3(163) NA-NH_3(163) AP(-52) PA(-52) GK-NH_3(-52)	AN(10) NA(10) GK(-185)			a_2(-22)	ANA(-13) AGK(-154)		b_{10}-NH_3^{+3}(89) PIQ(-19)
346.1988	**353.1892**	**363.2122**	**369.1704**	**419.2453**	**442.2277**	**453.8782**	**488.2446**	**491.9089**	**497.5714**
PTF(65) y_3(-28)				b_4-NH_3(213) y_8^{+2}(-43)	KDPT(-4.4) ANAGK(-30) y_4-NH_3(-87)	b_{13}-H_2O^{+3}(-36)	a_{14}^{+3}(-34)	y_{19}^{+4}(263) b_{14}-NH_3^{+3}(-17)	b_{14}^{+3}(-43)
536.2428	**553.9474**	**554.2838**	**556.3154**	**596.7783**	**606.7937**	**615.7810**	**627.3611**	**653.3269**	**671.7865**
a_6(-6.6)		MH^{+4}(-35)	DPTFI-H_2O(70) b_{11}-H_2O^{+2}(63) PTFIP(4.4) y_5(-54)		b_{12}-H_2O^{+2}(-17)	b_{12}^{+2}(-46)	PTFIPA(18) TFIPAP(18) y_6(-34)	DPTFIP-H_2O(-3.7)	
675.3185	**680.3029**	**689.3201**	**692.2925**	**724.3973**	**731.8592**	**736.8525**	**737.3561**	**745.8508**	**829.8935**
b_7-NH_3(13) a_{13}^{+2}(-41)	b_{13}-H_2O^{+2}(-52)	b_{13}^{+2}(-34)	b_7(-63)	DPTFIPA-H_2O(43) GKPKDPT(-2.1) PTFIPAP(-7.6) y_7(-52)	a_{14}^{+2}(-39)	b_{14}-H_2O^{+2}(-38)	b_{14}-NH_3^{+2}(-22)	b_{14}^{+2}(-47)	b_{16}^{+2}(-45)

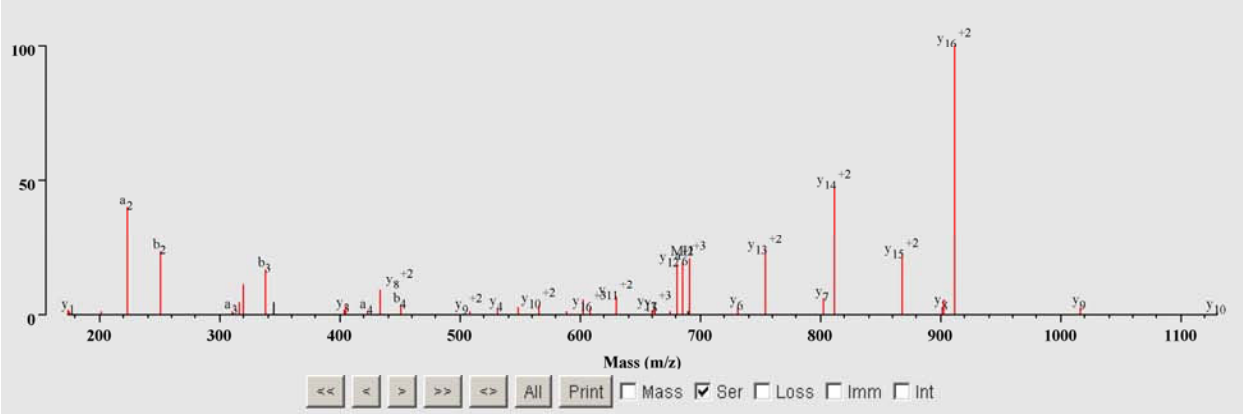
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 21	---	---
251.1026	---	2	Y 20	2127.1597	1064.0835
322.1397	---	3	A 19	1964.0964	982.5518
436.1827	---	4	N 18	1893.0593	947.0333
507.2198	---	5	A 17	1779.0163	890.0118
564.2413	---	6	G 16	1707.9792	854.4932
692.3362	346.6717	7	K 15	1650.9578	825.9825
789.3890	395.1981	8	P 14	1522.8628	761.9350
917.4839	459.2456	9	K 13	1425.8100	713.4087
1032.5109	516.7591	10	D 12	1297.7151	649.3612
1129.5636	565.2855	11	P 11	1182.6881	591.8477

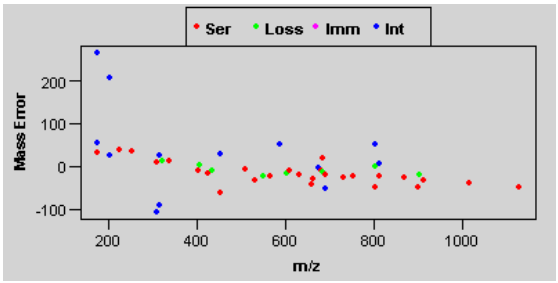
1230.6113	615.8093	12	**T**	10	1085.6354	543.3213
1377.6797	689.3435	13	**F**	9	984.5877	492.7975
1490.7638	745.8855	14	**I**	8	837.5193	419.2633
1587.8166	794.4119	15	**P**	7	724.4352	362.7212
1658.8537	829.9305	16	**A**	6	627.3824	314.1949
1755.9064	878.4569	17	**P**	5	556.3453	278.6763
1868.9905	934.9989	18	**I**	4	459.2926	230.1499
1997.0491	999.0282	19	**Q**	3	346.2085	173.6079
2068.0862	1034.5467	20	**A**	2	218.1499	109.5786
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLDFTELDVAAEKIDR^{+3}



Max Intensity: **319**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.6%** Matched Series Intensity: **98.5%**



Sequence: SYSLDFTELDVAAEKIDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C91 H143 N22 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2073.2780	2072.0182	1037.1427	1036.5128	691.7643	691.3443

[–] Peak Matches

173.1380	175.1247	201.1283	223.1166	251.1117	310.1430	316.1581	320.1281	338.1393	345.2799
AE-28(265) SL-28(55)	y_1(33)	AE(205) ID-28(25) SL(25) LD-28(25)	YS-28(40) a_2(40)	YS(36) b_2(36)	a_3(10) LDV-H_2O(-107)	SLD(25) TEL-28(-90)	b_3-H_2O(13)	b_3(14)	
403.2263	**405.2145**	**423.2176**	**433.2045**	**451.2312**	**508.7681**	**531.3074**	**548.2227**	**565.3019**	**588.2964**
y_3(-9.1)	a_4-H_2O(3.1)	a_4(-15)	b_4-H_2O(-8.5)	b_4(28) YSLD-28(28) y_8^{+2}(-61)	y_9^{+2}(-8.0)	y_4(-33)	b_5-H_2O(-23)	y_{10}^{+2}(-22)	FTELD-H_2O(51) LDFTE-H_2O(51) DFTEL-H_2O(51)
601.9653	**607.9728**	**629.8239**	**660.3392**	**662.3153**	**675.2957**	**680.3526**	**685.3316**	**689.3285**	**691.3300**
y_{16}-H_2O^{+3}(-17)	y_{16}^{+3}(-10)	y_{11}^{+2}(-18)	y_5(-43)	y_{17}^{+3}(-28)	SLDFTE-H_2O(-4.0)	y_{12}^{+2}(-10)	a_6(18) MH-H_2O^{+3}(-13)		MH^{+3}(-21) LDFTEL-28(-52)
731.3864	**753.8759**	**802.4024**	**811.3888**	**867.9266**	**901.4654**	**902.4430**	**911.4344**	**1016.4980**	**1129.5674**
y_6(-25)	y_{13}^{+2}(-23)	DFTELDV-H_2O(51) y_{14}-H_2O^{+2}(0.81) y_7(-49)	TELDVAAE-H_2O(6.9) y_{14}^{+2}(-22)	y_{15}^{+2}(-26)	y_8(-50)	y_{16}-H_2O^{+2}(-19)	y_{16}^{+2}(-34)	y_9(-38)	y_{10}(-48)

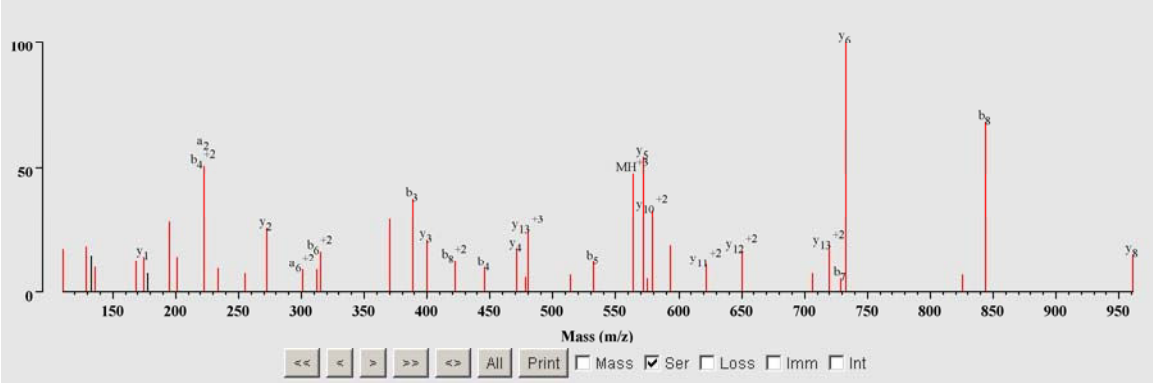
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 18	---	---
251.1026	---	2	**Y** 17	1984.9862	992.9967
338.1347	---	3	**S** 16	1821.9229	911.4651
451.2187	---	4	**L** 15	1734.8909	867.9491
566.2457	---	5	**D** 14	1621.8068	811.4070
713.3141	---	6	**F** 13	1506.7798	753.8936
814.3618	---	7	**T** 12	1359.7114	680.3594
943.4044	---	8	**E** 11	1258.6638	629.8355
1056.4884	---	9	**L** 10	1129.6212	565.3142
1171.5154	---	10	**D** 9	1016.5371	508.7722
1270.5838	---	11	**V** 8	901.5102	451.2587
1341.6209	---	12	**A** 7	802.4417	401.7245
1412.6580	---	13	**A** 6	731.4046	366.2060
1541.7006	---	14	**E** 5	660.3675	330.6874

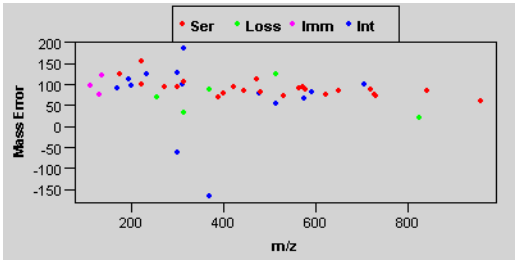
1669.7956	835.4014	15	**K**	4	531.3249	266.1661
1782.8796	891.9434	16	**I**	3	403.2300	202.1186
1897.9066	949.4569	17	**D**	2	290.1459	145.5766
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHGSPVDIC(Carbamidomethyl)TAKPR^{+3}



Max Intensity: **2.76**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **97.4%** Matched Series Intensity: **99.0%**



Sequence SYHGSPVDIC(Carbamidomethyl)TAKPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H115 N22 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1688.7490	1687.8221	844.8782	844.4147	563.5880	563.2789

[–] **Peak Matches**

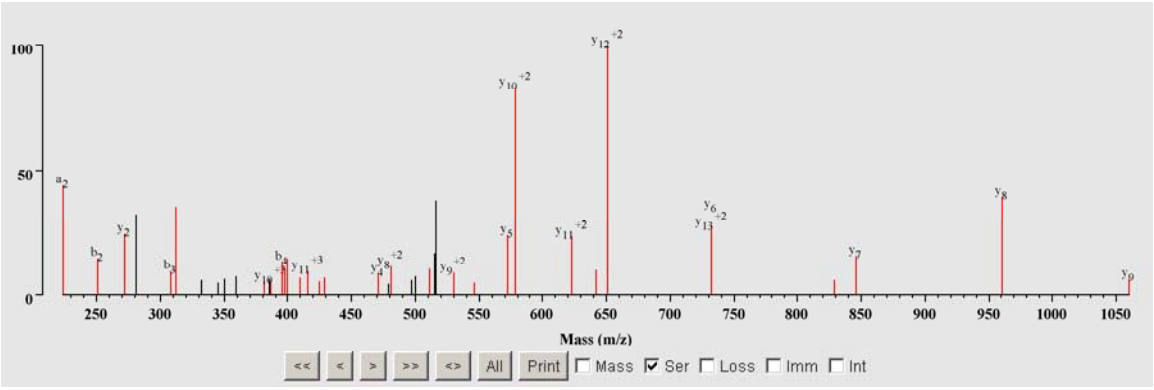
110.0820	129.1121	133.0554	136.0923	169.1491	175.1406	178.1041	195.1093	201.1428	223.1298
H(97)	K(76)		Y(122)	PV-28(92)	y_1(124)		HG(111)	DI-28(97)	b_4^{+2}(155) a_2(99)
234.1199	**255.1630**	**272.1974**	**301.1685**	**312.1870**	**315.1708**	**370.1833**	**388.1885**	**400.2982**	**422.2254**
C(Carbamidomethyl)T-28(125)	y_2-NH_3(70)	y_2(94)	YH(129) a_6^{+2}(94) TAK(-62)	PVD(101)	C(Carbamidomethyl)TA-H_2O(186) b_6^{+2}(106) y_8-NH_3^{+3}(33)	b_3-H_2O(87) TAKP-28(-166)	b_3(69)	y_3(79)	b_8^{+2}(95)
445.2205	**471.3559**	**478.2790**	**479.9529**	**514.2689**	**532.2533**	**563.3296**	**572.4052**	**575.2963**	**578.8617**
YHGS(84) b_4(84)	y_4(111)	HGSPV(80)	y_{13}^{+3}(82)	b_5-H_2O(125) YHGSP-28(55)	b_5(72)	MH^{+3}(90)	y_5(94)	HGSPVD-H_2O(68)	y_{10}^{+2}(88)
593.3172	**622.3739**	**650.8932**	**706.4231**	**719.4302**	**728.3914**	**732.4356**	**825.3694**	**843.4358**	**960.5495**
HGSPVD(83)	y_{11}^{+2}(76)	y_{12}^{+2}(86)	HGSPVDI(101)	y_{13}^{+2}(88)	YHGSPVD-28(76) b_7(76)	y_6(73)	b_9-H_2O(20)	b_8(86)	y_8(59)

[–] **Main Sequence Ions**

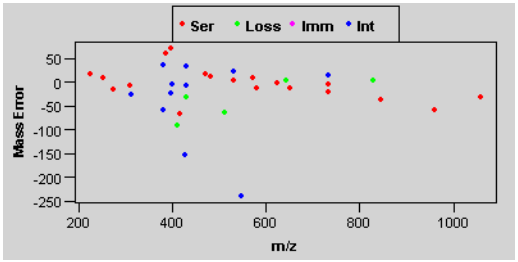
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1600.7900	800.8987
388.1615	194.5844	3	**H**	13	1437.7267	719.3670
445.1830	223.0951	4	**G**	12	1300.6678	650.8375
532.2150	266.6112	5	**S**	11	1243.6463	622.3268
629.2678	315.1375	6	**P**	10	1156.6143	578.8108
728.3362	364.6717	7	**V**	9	1059.5615	530.2844
843.3632	422.1852	8	**D**	8	960.4931	480.7502
956.4472	478.7272	9	**I**	7	845.4662	423.2367
1116.4779	558.7426	10	**C(Carbamidomethyl)**	6	732.3821	366.6947
1217.5255	609.2664	11	**T**	5	572.3515	286.6794
1288.5627	644.7850	12	**A**	4	471.3038	236.1555
1416.6576	708.8325	13	**K**	3	400.2667	200.6370
1513.7104	757.3588	14	**P**	2	272.1717	136.5895
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSPVDIC(Carbamidomethyl)TAKPR^{+3}



Max Intensity: **2.28**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **81.1%** Matched Series Intensity: **80.8%**



Sequence: SYGSPVDIC(Carbamidomethyl)TAKPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H108 N19 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1551.6070	1550.7632	776.3072	775.8852	517.8739	517.5926

[–] **Peak Matches**

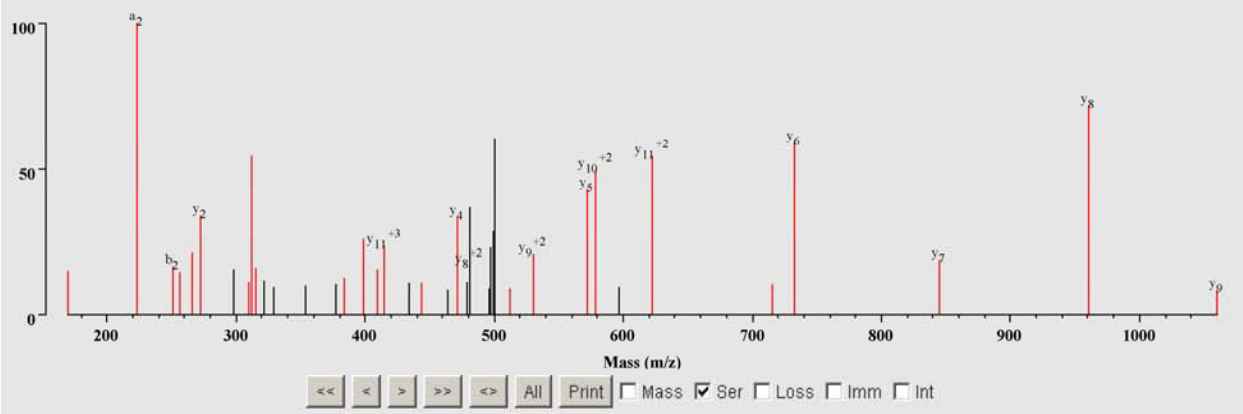
223.1113	251.1047	272.1670	281.0502	308.1220	312.1469	332.1351	345.2159	350.1286	359.1535
a_2(16)	b_2(8.2)	y_2(-17)		YGS(-6.8) b_3(-6.8)	PVD(-27)				
381.1902	**385.0951**	**386.2325**	**395.1843**	**397.2348**	**399.1856**	**409.1799**	**415.1929**	**425.1745**	**428.2104**
SPVD-H_2O(35) TAKP-NH_3(-60)		y_{10}^{+3}(59)	b_4(71)	PVDI-28(-25)	SPVD(-4.6)	y_{11}-H_2O^{+3}(-90)	y_{11}^{+3}(-66)	PVDI(-153)	IC(Carbamidomethyl)TA-H_2O(33) GSPVD-28(-8.3) y_{12}-H_2O^{+3}(-32)
471.3111	**479.2399**	**480.7555**	**497.3408**	**500.2872**	**511.5562**	**515.2917**	**516.3492**	**530.2868**	**546.1757**
y_4(16)		y_8^{+2}(11)			MH-H_2O^{+3}(-64)			C(Carbamidomethyl)TAKP-28(21) y_9^{+2}(4.5)	IC(Carbamidomethyl)TAK-28(-240)
572.3571	**578.8030**	**622.3254**	**641.8351**	**650.8286**	**732.3662**	**828.4428**	**845.4337**	**960.4365**	**1059.5283**
y_5(9.8)	y_{10}^{+2}(-13)	y_{11}^{+2}(-2.3)	y_{12}-H_2O^{+2}(4.4)	y_{12}^{+2}(-14)	YGSPVDI(14) y_{13}^{+2}(-4.1) y_6(-22)	y_7-NH_3(3.8)	y_7(-38)	y_8(-59)	y_9(-31)

[–] **Main Sequence Ions**

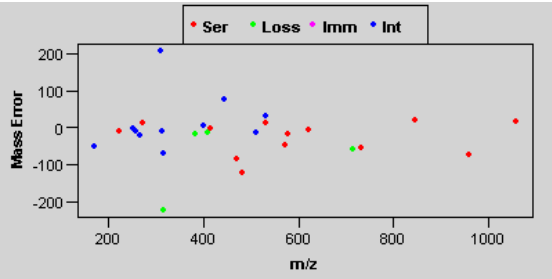
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1463.7311	732.3692
308.1241	---	3	**G**	12	1300.6678	650.8375
395.1561	---	4	**S**	11	1243.6463	622.3268
492.2089	---	5	**P**	10	1156.6143	578.8108
591.2773	---	6	**V**	9	1059.5615	530.2844
706.3042	---	7	**D**	8	960.4931	480.7502
819.3883	---	8	**I**	7	845.4662	423.2367
979.4190	---	9	**C(Carbamidomethyl)**	6	732.3821	366.6947
1080.4666	---	10	**T**	5	572.3515	286.6794
1151.5038	---	11	**A**	4	471.3038	236.1555
1279.5987	640.3030	12	**K**	3	400.2667	200.6370
1376.6515	688.8294	13	**P**	2	272.1717	136.5895
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSPVDIC(Carbamidomethyl)TAKPR^{+3}



Max Intensity: **1.18**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **75.2%** Matched Series Intensity: **74.8%**



Sequence: SYSPVDIC(Carbamidomethyl)TAKPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C64 H105 N18 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1494.5548	1493.7417	747.7811	747.3745	498.8565	498.5854

[–] Peak Matches

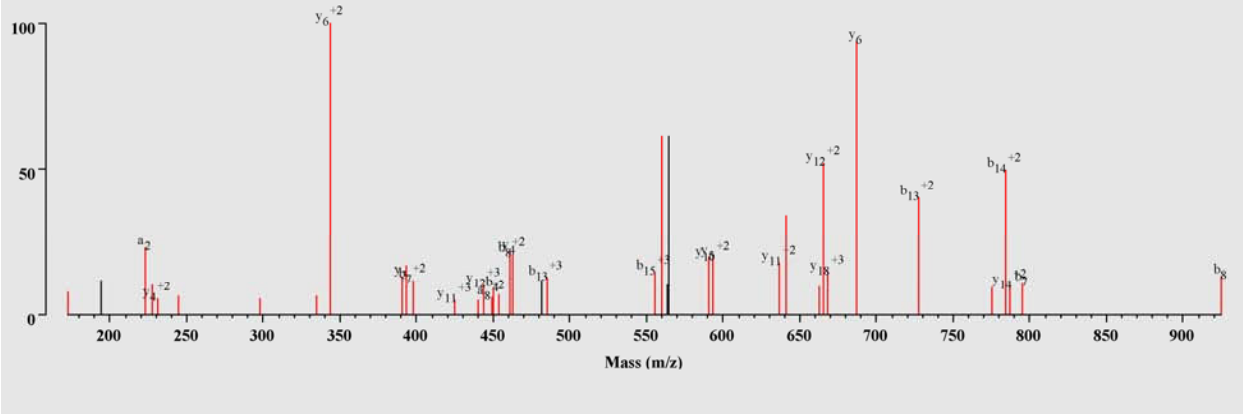
169.1245	223.1057	251.1017	256.1628	266.1445	272.1748	298.1389	310.2404	312.1519	315.0899
PV-28(-53)	YS-28(-9.0) a_2(-9.0)	b_2(-3.7) YS(-3.7)	SPV-28(-11)	SPV-H_2O(-20)	y_2(11)		VDI-H_2O(207)	PVD(-11)	C(Carbamidomethyl)TA-H_2O(-71) y_8-NH_3^{+3}(-224)
321.1733	**329.2147**	**354.1207**	**377.2096**	**383.2328**	**399.1894**	**409.2106**	**415.2188**	**434.2338**	**443.2412**
				y_3-NH_3(-19)	SPVD(4.9)	y_{11}-H_2O^{+3}(-15)	y_{11}^{+3}(-3.6)		C(Carbamidomethyl)TAK-H_2O(77)
464.2435	**471.2639**	**479.2731**	**480.6912**	**481.2640**	**496.2608**	**497.2775**	**499.2738**	**500.3063**	**512.2649**
	y_4(-85)		y_8^{+2}(-123)						SPVDI(-13)
530.2911	**572.3254**	**578.8007**	**596.2754**	**622.3231**	**715.3123**	**732.3406**	**845.4833**	**960.4219**	**1059.5776**
C(Carbamidomethyl)TAKP-28(29) y_9^{+2}(13)	y_5(-46)	y_{10}^{+2}(-17)		y_{11}^{+2}(-6.0)	y_6-NH_3(-60)	y_6(-57)	y_7(20)	y_8(-74)	y_9(15)

[–] Main Sequence Ions

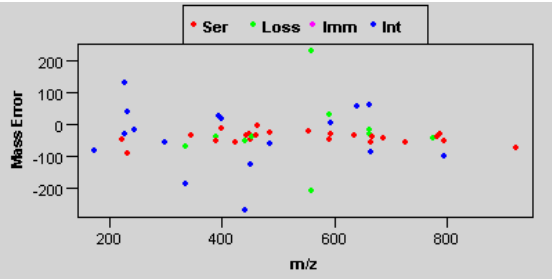
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1406.7097	703.8585
338.1347	---	3	S	11	1243.6463	622.3268
435.1874	---	4	P	10	1156.6143	578.8108
534.2558	---	5	V	9	1059.5615	530.2844
649.2828	---	6	D	8	960.4931	480.7502
762.3668	---	7	I	7	845.4662	423.2367
922.3975	---	8	C(Carbamidomethyl)	6	732.3821	366.6947
1023.4452	---	9	T	5	572.3515	286.6794
1094.4823	---	10	A	4	471.3038	236.1555
1222.5773	611.7923	11	K	3	400.2667	200.6370
1319.6300	660.3186	12	P	2	272.1717	136.5895
---	---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKATEDEGSEQKIPEATNR^{+4}



Max Intensity: **7.16**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **89.1%** Matched Series Intensity: **88.2%**



Sequence: SYKATEDEGSEQKIPEATNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C93 H150 N27 O38

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2254.3865	2253.0630	1127.6970	1127.0351	752.1338	751.6925	564.3522	564.0212

[–] Peak Matches

172.1305	194.1149	223.0971	227.0955	231.1063	245.0724	298.1232	335.1456	344.1627	390.1889
KA-28(-81)		a_2(-48)	DE-H_2O(129) ED-H_2O(129) PE(-31)	TE(38) y_4^{+2}(-89)	DE(-18) ED(-18)	PEA(-56)	y_6-H_2O^{+2}(-71) YKA-28(-185)	y_6^{+2}(-35)	y_{10}-NH_3^{+3}(-37) y_3(-53)
393.2232	**398.1744**	**424.8661**	**440.1682**	**443.8810**	**448.6893**	**450.2141**	**453.6786**	**461.2307**	**462.6986**
IPEA-H_2O(25)	EATN-H_2O(19) b_7^{+2}(-13)	y_{11}^{+3}(-55)	a_8-NH_3^{+2}(-50) KIPE-28(-269)	y_{12}^{+3}(-35)	a_8^{+2}(-32)	b_4(-46) KIPE-H_2O(-127) QKIP-NH_3(-127)	b_8-H_2O^{+2}(-38)	y_4(-35)	b_8^{+2}(-4.9)
481.4803	**485.2067**	**555.2534**	**559.6476**	**563.7487**	**564.2544**	**590.2607**	**593.2965**	**636.8098**	**641.3263**
	b_{13}^{+3}(-27) PEATN-28(-59)	b_{15}^{+3}(-21)	MH-H_2O^{+4}(231) MH-NH_3^{+4}(-209)			b_{11}-H_2O^{+2}(29) y_5(-48)	YKATE(5.9) y_{10}^{+2}(-31)	y_{11}^{+2}(-33)	EGSEQK-H_2O(58)
662.3029	**665.3045**	**668.3006**	**687.3136**	**727.2861**	**774.8288**	**783.8381**	**787.3525**	**795.3099**	**924.3282**
ATEDEGS-28(61) b_6-H_2O(-17) y_{18}-H_2O^{+3}(-32)	y_{12}^{+2}(-56) SEQKIP-H_2O(-86)	y_{18}^{+3}(-40)	y_6(-41)	b_{13}^{+2}(-54)	b_{14}-H_2O^{+2}(-43)	b_{14}^{+2}(-38)	y_{14}^{+2}(-30)	b_7(-53) SEQKIPE-NH_3(-99)	b_8(-72)

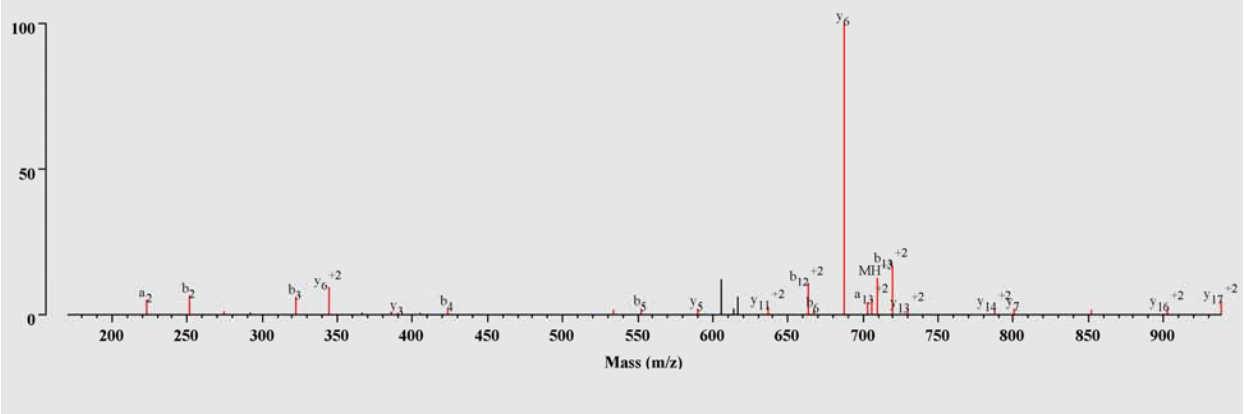
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	20 ---	---
251.1026	---	2	Y	19 2166.0309	1083.5191
379.1976	190.1024	3	K	18 2002.9676	1001.9874
450.2347	225.6210	4	A	17 1874.8726	937.9400
551.2824	276.1448	5	T	16 1803.8355	902.4214
680.3250	340.6661	6	E	15 1702.7878	851.8976
795.3519	398.1796	7	D	14 1573.7453	787.3763
924.3945	462.7009	8	E	13 1458.7183	729.8628
981.4160	491.2116	9	G	12 1329.6757	665.3415
1068.4480	534.7276	10	S	11 1272.6543	636.8308
1197.4906	599.2489	11	E	10 1185.6222	593.3148
1325.5492	663.2782	12	Q	9 1056.5796	528.7935
1453.6441	727.3257	13	K	8 928.5211	464.7642
1566.7282	783.8677	14	I	7 800.4261	400.7167

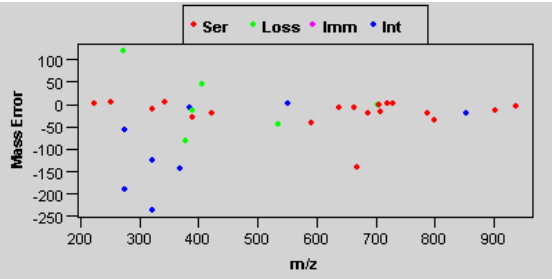
1663.7810	832.3941	15	**P**	6	687.3420	344.1747
1792.8236	896.9154	16	**E**	5	590.2893	295.6483
1863.8607	932.4340	17	**A**	4	461.2467	231.1270
1964.9084	982.9578	18	**T**	3	390.2096	195.6084
2078.9513	1039.9793	19	**N**	2	289.1619	145.0846
---	---	20	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATEDEGSEQKIPEATNR^{+3}



Max Intensity: **34.1**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **89.9%** Matched Series Intensity: **89.1%**



Sequence SYATEDEGSEQKIPEATNR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C87 H138 N25 O37

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2126.2113	2124.9680	1063.6094	1062.9876	709.4087	708.9942

[–] Peak Matches

170.1178	223.1082	251.1042	272.1681	274.0875	292.1131	322.1361	330.0772	338.1463	344.1760
	a_2(2.2)	b_2(6.2)	y_2-NH_3(120)	EGS(-58) GSE(-58) DEG-28(-58) EAT-28(-191) ATE-28(-191)		b_3(-11) IPE-H_2O(-124) KIP-NH_3(-237)			y_6^{+2}(3.9)
350.1421	**352.1286**	**366.1423**	**369.1241**	**377.1505**	**378.1567**	**386.2002**	**390.1985**	**405.1946**	**423.1795**
			EQK-NH_3(-143)	a_4-H_2O(-83)		EQK(-8.3)	y_{10}-NH_3^{+3}(-13) y_3(-28)	b_4-H_2O(44)	b_4(-19)
534.1959	**552.2319**	**590.2649**	**605.8185**	**613.8032**	**616.8199**	**636.8270**	**663.2727**	**667.1619**	**687.3284**
b_5-H_2O(-44)	b_5(3.4) YATED-28(3.4)	y_5(-41)				y_{11}^{+2}(-5.9)	b_{12}^{+2}(-8.3)	b_6(-142)	y_6(-20)
702.9890	**705.8226**	**708.9818**	**719.8225**	**729.8653**	**787.3598**	**800.3982**	**852.3920**	**902.4101**	**937.9366**
MH-H_2O^{+3}(-2.4)	a_{13}^{+2}(-0.24)	MH^{+3}(-17)	b_{13}^{+2}(3.1)	y_{13}^{+2}(3.4)	y_{14}^{+2}(-21)	y_7(-35)	GSEQKIPE-NH_3(-21) EGSEQKIP-NH_3(-21)	y_{16}^{+2}(-13)	y_{17}^{+2}(-3.6)

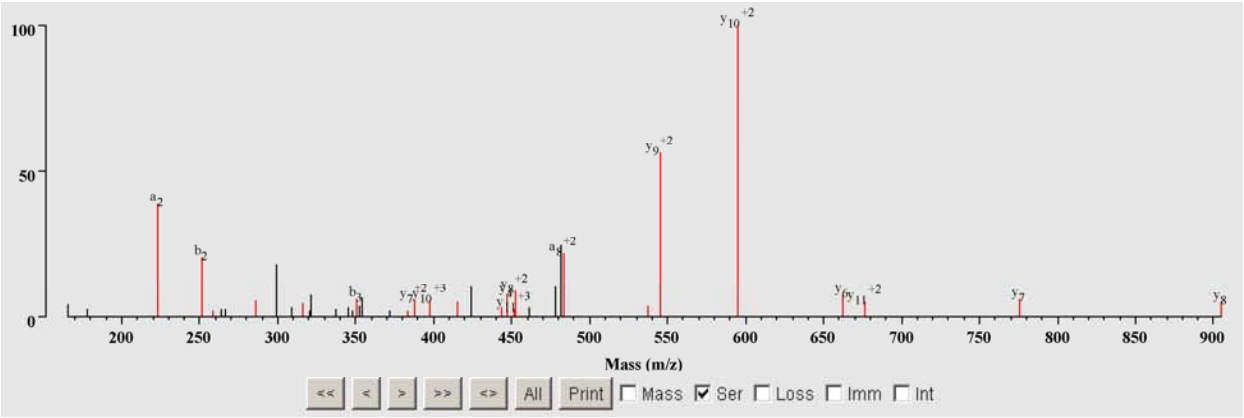
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 19	---	---
251.1026	---	2	Y 18	2037.9360	1019.4716
322.1397	---	3	A 17	1874.8726	937.9400
423.1874	---	4	T 16	1803.8355	902.4214
552.2300	---	5	E 15	1702.7878	851.8976
667.2570	---	6	D 14	1573.7453	787.3763
796.2996	---	7	E 13	1458.7183	729.8628
853.3210	---	8	G 12	1329.6757	665.3415
940.3530	---	9	S 11	1272.6543	636.8308
1069.3956	---	10	E 10	1185.6222	593.3148
1197.4542	---	11	Q 9	1056.5796	528.7935
1325.5492	663.2782	12	K 8	928.5211	464.7642
1438.6332	719.8203	13	I 7	800.4261	400.7167
1535.6860	768.3466	14	P 6	687.3420	344.1747
1664.7286	832.8679	15	E 5	590.2893	295.6483

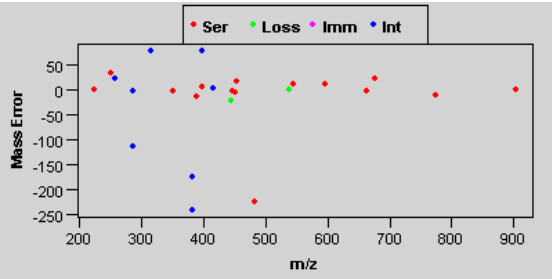
1735.7657	868.3865	16	**A**	4	461.2467	231.1270
1836.8134	918.9103	17	**T**	3	390.2096	195.6084
1950.8563	975.9318	18	**N**	2	289.1619	145.0846
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVWELSKANSR^{+3}



Max Intensity: **28.9**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **74.6%** Matched Series Intensity: **75.3%**



Sequence SYVWELSKANSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C64 H99 N18 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1440.6084	1439.7278	720.8079	720.3675	480.8744	480.5808

[–] **Peak Matches**

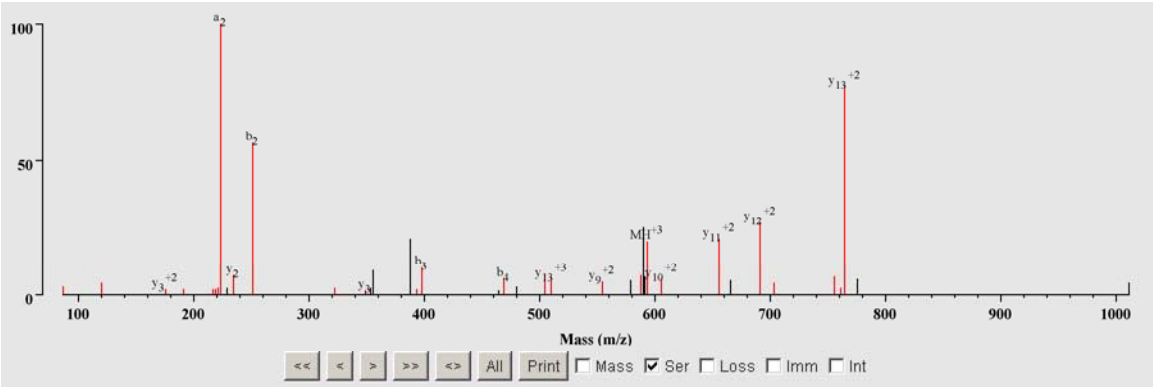
165.0823	**178.0876**	**223.1075**	**251.1108**	**258.1661**	**264.0704**	**266.1336**	**286.1546**	**299.1475**	**309.1589**
		a_2(-0.98)	b_2(33)	VW-28(23)			VW(-1.4) KAN-28(-114)		
316.1535	**320.1066**	**321.1403**	**337.1130**	**345.0531**	**348.0763**	**350.1699**	**352.0727**	**354.0910**	**372.0755**
WE(77)						b_3(-3.3)			
383.1367	**388.2198**	**397.2179**	**415.1994**	**424.3083**	**443.7310**	**447.2305**	**451.5679**	**452.7532**	**461.2054**
SKAN-H_2O(-175) KANS-H_2O(-175) LSKA-NH_3(-241)	y_7^{+2}(-13)	VWE-H_2O(78) y_{10}^{+3}(5.7)	VWE(4.3)		y_8-H_2O^{+2}(-22)	y_4(-1.2)	y_{11}^{+3}(-4.9)	y_8^{+2}(16)	
478.2429	**481.2589**	**483.1500**	**537.2731**	**545.7914**	**595.3259**	**662.3560**	**676.8655**	**775.4345**	**904.4848**
		a_8^{+2}(-224)	y_9-NH_3^{+2}(1.4)	y_9^{+2}(11)	y_{10}^{+2}(10)	y_6(-3.0)	y_{11}^{+2}(21)	y_7(-9.8)	y_8(0.14)

[–] **Main Sequence Ions**

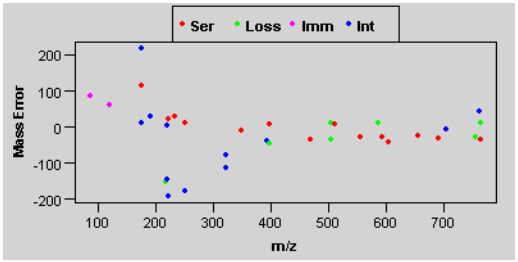
b	b^{+2}			y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1352.6957	676.8515
350.1710	---	3	V	10	1189.6324	595.3198
536.2504	---	4	W	9	1090.5640	545.7856
665.2930	---	5	E	8	904.4847	452.7460
778.3770	---	6	L	7	775.4421	388.2247
865.4090	---	7	S	6	662.3580	331.6826
993.5040	497.2556	8	K	5	575.3260	288.1666
1064.5411	532.7742	9	A	4	447.2310	224.1191
1178.5840	589.7957	10	N	3	376.1939	188.6006
1265.6161	633.3117	11	S	2	262.1510	131.5791
---	---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFATTFYQHLADSK^{+3}



Max Intensity: **9.23**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **81.1%** Matched Series Intensity: **79.7%**



Sequence SYFATTFYQHLADSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C83 H116 N19 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1779.9586	1778.8384	890.4830	889.9229	593.9912	593.6177

[–] **Peak Matches**

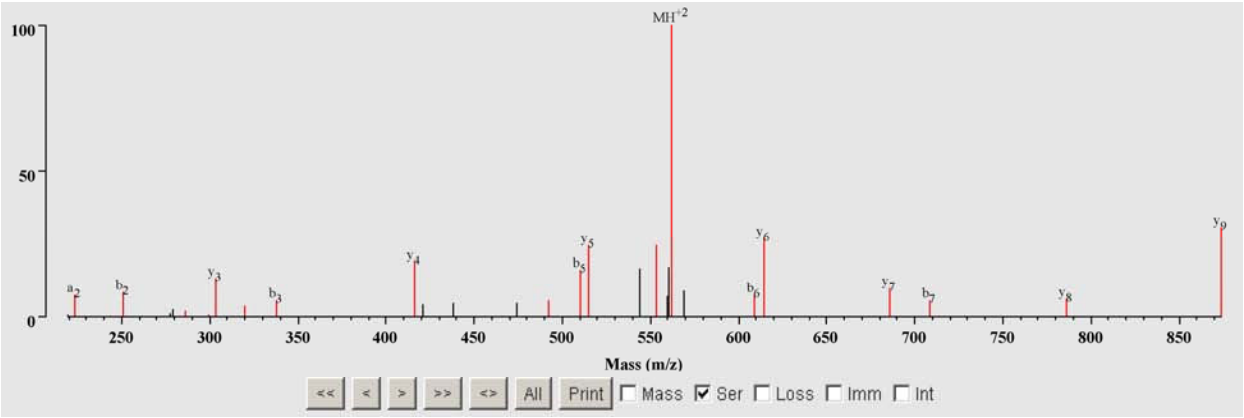
86.1039	120.0881	175.1095	191.1237	217.0856	219.1139	221.0967	223.1124	229.1286	234.1518
L(87)	F(61)	DS-28(218) y_3^{+2}(114) TT-28(10)	FA-28(30)	y_2-NH_3(-151)	FA(5.0)	TF-28(-144)	a_2(21) HL-28(-192)		y_2(30)
251.1055	**322.1509**	**349.1680**	**353.1232**	**355.0628**	**388.2070**	**393.1986**	**398.1748**	**464.2636**	**469.1916**
b_2(11) HL(-178)	TTF-28(-78) HLA(-113)	y_3(-11)				ATTF-28(-37) FATT-28(-37)	b_3(9.4) y_{10}-NH_3^{+3}(-45)		b_4(-35)
480.2597	**504.2314**	**504.5822**	**510.2557**	**554.7596**	**579.3108**	**587.6204**	**589.6251**	**591.3018**	**593.6011**
	y_{13}-H_2O^{+3}(-35)	y_{13}-NH_3^{+3}(10)	y_{13}^{+3}(6.2)	y_9^{+2}(-27)		MH-H_2O^{+3}(11)			MH^{+3}(-28)
605.2736	**655.8073**	**665.6438**	**691.3202**	**703.3400**	**755.8497**	**761.3582**	**764.8488**	**775.3738**	**1010.4285**
y_{10}^{+2}(-41)	y_{11}^{+2}(-23)		y_{12}^{+2}(-30)	FATTFY-28(-7.1) YFATTF-28(-7.1)	y_{13}-H_2O^{+2}(-27)	TTFYQH-NH_3(43)	b_{13}-NH_3^{+2}(10) y_{13}^{+2}(-34)		

[–] **Main Sequence Ions**

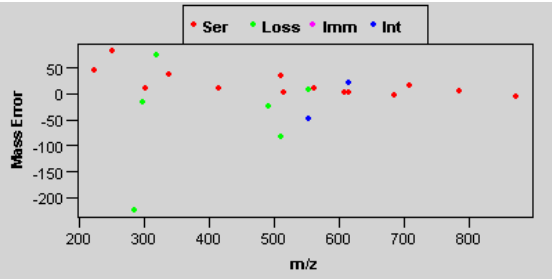
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1691.8064	846.4068
398.1710	---	3	**F**	13	1528.7431	764.8752
469.2082	---	4	**A**	12	1381.6747	691.3410
570.2558	---	5	**T**	11	1310.6375	655.8224
671.3035	---	6	**T**	10	1209.5899	605.2986
818.3719	---	7	**F**	9	1108.5422	554.7747
981.4353	---	8	**Y**	8	961.4738	481.2405
1109.4938	---	9	**Q**	7	798.4104	399.7089
1246.5527	623.7800	10	**H**	6	670.3519	335.6796
1359.6368	680.3220	11	**L**	5	533.2930	267.1501
1430.6739	715.8406	12	**A**	4	420.2089	210.6081
1545.7009	773.3541	13	**D**	3	349.1718	175.0895
1632.7329	816.8701	14	**S**	2	234.1448	117.5761
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTAVVIAGR^{+2}



Max Intensity: **3.66**
Num Matched: **19/29 (34.5% unmatched)** Matched Intensity: **82.5%** Matched Series Intensity: **74.1%**



Sequence SYSTAVVIAGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C49 H83 N14 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1124.2898	1123.6106	562.6486	562.3089

[–] **Peak Matches**

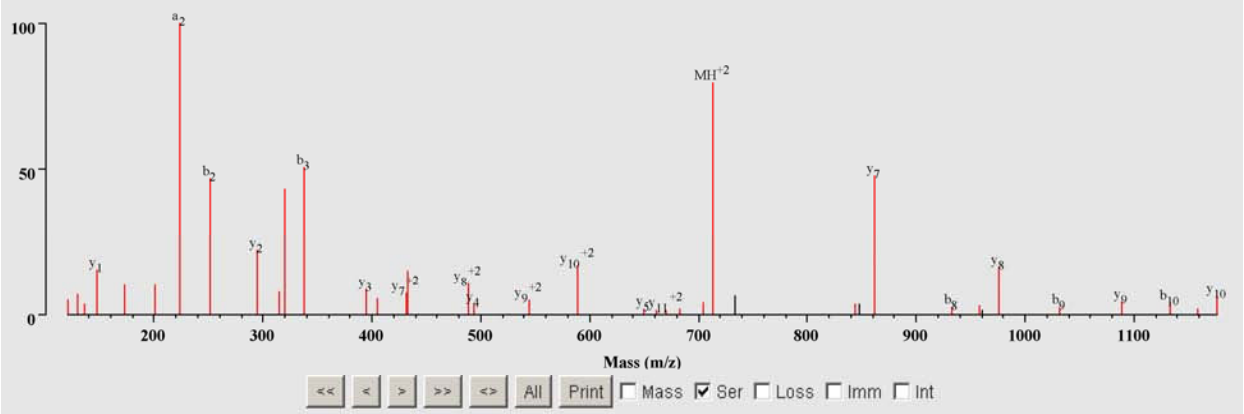
219.1200	223.1179	251.1235	277.1347	279.1550	286.0867	299.1845	303.1804	320.1484	338.1471
	YS-28(46) a_2(46)	YS(83) b_2(83)			y_3-NH_3(-225)	y_6-NH_3^{+2}(-17)	y_3(9.5)	b_3-H_2O(76)	b_3(37)
416.2662	**420.8179**	**437.7902**	**474.2301**	**492.1970**	**510.2372**	**515.3311**	**544.3200**	**553.3078**	**559.7823**
y_4(11)				b_5-H_2O(-24)	b_5(35) y_{10}-NH_3^{+2}(-83)	y_5(2.1)		MH-H_2O^{+2}(7.5) STAVVI-H_2O(-48)	
560.3109	**562.3152**	**569.3524**	**609.2892**	**614.3994**	**685.4342**	**708.3679**	**786.4877**	**873.5109**	
	MH^{+2}(11)		b_6(2.2)	STAVVIA-28(20) y_6(1.6)	y_7(-1.9)	b_7(16)	y_8(5.7)	y_9(-5.0)	

[–] **Main Sequence Ions**

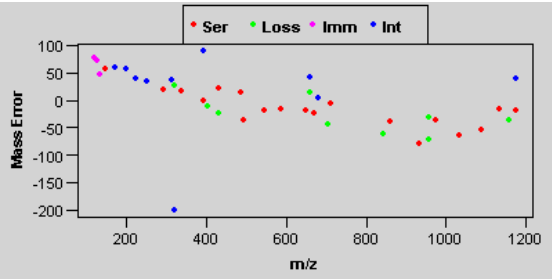
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1036.5786	518.7929
338.1347	3	S	9	873.5152	437.2613
439.1823	4	T	8	786.4832	393.7452
510.2195	5	A	7	685.4355	343.2214
609.2879	6	V	6	614.3984	307.7028
708.3563	7	V	5	515.3300	258.1686
821.4403	8	I	4	416.2616	208.6344
892.4775	9	A	3	303.1775	152.0924
949.4989	10	G	2	232.1404	116.5738
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLNPNRVTFK^{+2}



Max Intensity: **18.3**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **97.6%**



Sequence SYSLNPNRVTFK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C64 H101 N18 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1426.6250	1425.7485	713.8162	713.3779

[–] **Peak Matches**

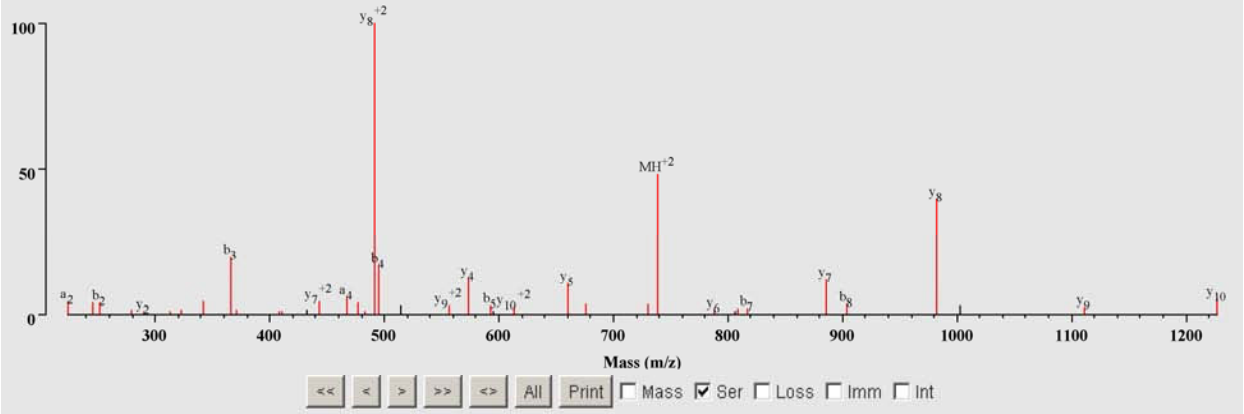
120.0902	129.1116	136.0821	147.1213	173.1386	201.1348	223.1167	251.1115	294.1871	315.1778
F(78)	K(73)	Y(47)	y_1(58)	SL-28(59) VT-28(59)	VT(57) SL(57)	a_2(40) YS-28(40)	b_2(35) YS(35)	y_2(20)	SLN(37)
320.1324	**338.1404**	**395.2282**	**405.2089**	**431.2601**	**433.1984**	**488.2788**	**494.2789**	**544.8038**	**588.3204**
b_3-H_2O(26) VTF-28(-201)	b_3(17)	SLNP-NH_3(90) y_3(-1.8)	a_4-H_2O(-11)	y_7^{+2}(22)	b_4-H_2O(-23)	y_8^{+2}(14)	y_4(-37)	y_9^{+2}(-19)	y_{10}^{+2}(-17)
650.3866	**661.3576**	**669.8458**	**682.3654**	**704.3420**	**713.3732**	**733.3748**	**843.4307**	**847.4130**	**861.4596**
y_5(-18)	YSLNPN-28(41) y_{11}-NH_3^{+2}(14)	y_{11}^{+2}(-24)	NPNRVT(3.4) SLNPNR(3.4)	MH-H_2O^{+2}(-43)	MH^{+2}(-6.6)		y_7-H_2O(-63)		y_7(-40)
932.3835	**957.4573**	**958.4797**	**960.4294**	**975.5008**	**1031.4594**	**1088.5631**	**1132.5565**	**1158.5853**	**1175.6293**
b_8(-80)	y_8-H_2O(-72)	y_8-NH_3(-32)		y_8(-37)	b_9(-65)	y_9(-53)	b_{10}(-16)	y_{10}-NH_3(-36)	YSLNPNRVTF-NH_3(38) y_{10}(-20)

[–] **Main Sequence Ions**

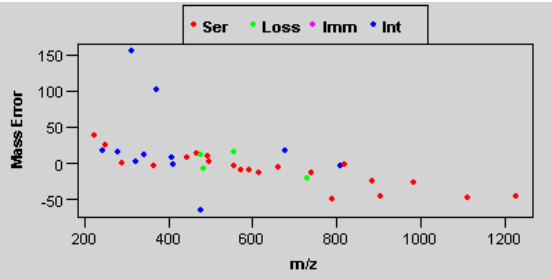
b	b^{+2}			y	y^{+2}
---	---	1	S 12	---	---
251.1026	---	2	Y 11	1338.7165	669.8619
338.1347	---	3	S 10	1175.6531	588.3302
451.2187	---	4	L 9	1088.6211	544.8142
565.2617	---	5	N 8	975.5370	488.2722
662.3144	---	6	P 7	861.4941	431.2507
776.3573	---	7	N 6	764.4413	382.7243
932.4585	466.7329	8	R 5	650.3984	325.7028
1031.5269	516.2671	9	V 4	494.2973	247.6523
1132.5745	566.7909	10	T 3	395.2289	198.1181
1279.6430	640.3251	11	F 2	294.1812	147.5942
---	---	12	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDEPPQSPWDR^{+2}



Max Intensity: **130**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.5%** Matched Series Intensity: **95.9%**



Sequence SYDEPPQSPWDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C65 H90 N17 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1477.5391	1476.6390	739.2733	738.8231

[–] **Peak Matches**

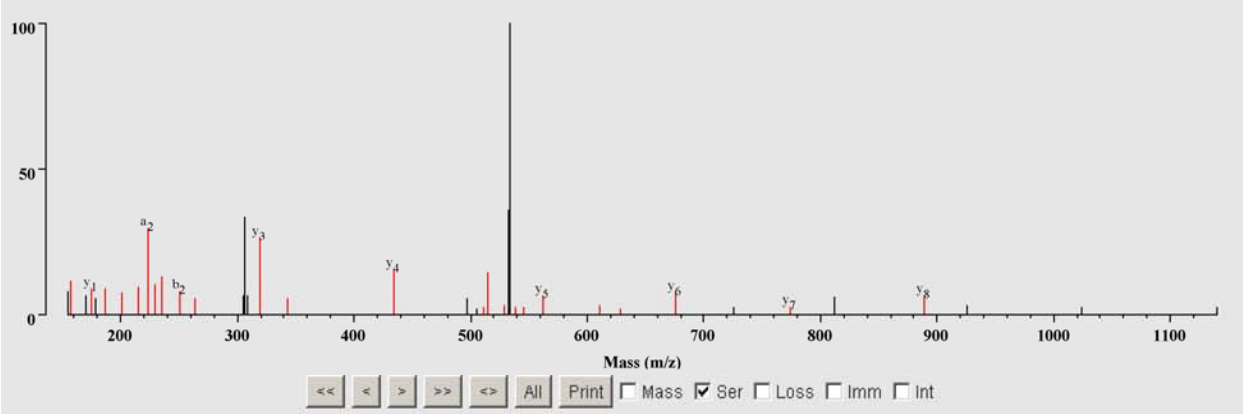
223.1164	245.0810	251.1088	279.1018	290.1461	313.1991	323.1718	342.1333	366.1284	371.2088
a_2(39)	DE(17)	YD-28(25) b_2(25)	YD(15)	y_2(0.71)	QSP(155) PQS(155)	PPQ(1.3)	DEP(11)	b_3(-3.2)	SPW(101) PWD-28(101)
408.1433	**410.2030**	**432.1372**	**443.2179**	**467.1838**	**477.1671**	**482.7316**	**491.7450**	**495.1736**	**514.2966**
YDE(7.7)	PPQS(-1.00) PQSP(-1.00)		y_7^{+2}(8.1)	a_4(14)	b_4-H_2O(12) YDEP-28(-65)	y_8-H_2O^{+2}(-7.9)	y_8^{+2}(8.8)	b_4(2.9)	
556.2601	**573.2728**	**592.2194**	**595.7597**	**613.7672**	**660.3064**	**676.0006**	**676.3205**	**729.8024**	**738.8136**
y_4-NH_3(16) y_9^{+2}(-3.4)	y_4(-9.0)	b_5(-9.3)		y_{10}^{+2}(-13)	y_5(-5.5)		PPQSPW-NH_3(17)	MH-H_2O^{+2}(-21)	MH^{+2}(-13)
788.3295	**806.3637**	**808.3589**	**817.3352**	**885.3995**	**904.3265**	**982.4483**	**1002.4671**	**1111.4629**	**1226.4867**
y_6(-50)		PPQSPWD(-4.4)	YDEPPQS(-1.3) b_7(-1.3)	y_7(-25)	b_8(-46)	y_8(-26)		y_9(-48)	y_{10}(-46)

[–] **Main Sequence Ions**

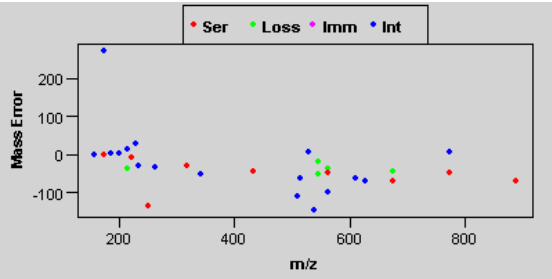
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1389.6070	695.3071
366.1296	3	D	10	1226.5436	613.7755
495.1722	4	E	9	1111.5167	556.2620
592.2249	5	P	8	982.4741	491.7407
689.2777	6	P	7	885.4213	443.2143
817.3363	7	Q	6	788.3686	394.6879
904.3683	8	S	5	660.3100	330.6586
1001.4211	9	P	4	573.2780	287.1426
1187.5004	10	W	3	476.2252	238.6162
1302.5273	11	D	2	290.1459	145.5766
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVKDLATVYVDVLKDSGR^{+4}



Max Intensity: **28.2**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **47.9%** Matched Series Intensity: **47.4%**



Sequence SYVKDLATVYVDVLKDSGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C95 H155 N24 O31

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2129.4328	2128.1285	1065.2201	1064.5679	710.4826	710.0477	533.1138	532.7876

[–] Peak Matches

154.1192	157.1331	170.1121	175.1189	178.0831	187.1080	201.1240	215.1059	223.1055	229.1248
	LA-28(-2.8)		DS-28(272) y_1(-0.30)		DV-28(1.5) VD-28(1.5)	TV(3.1) DL-28(3.1)	DV(15) VD(15) y_2-NH_3(-37)	a_2(-9.9)	DL(28)
235.1371	**251.0691**	**263.1301**	**305.1944**	**306.1898**	**309.1828**	**319.1629**	**343.1797**	**434.1798**	**497.2976**
YV-28(-30) VY-28(-30)	b_2(-134)	YV(-34) VY(-34)				y_3(-30)	VKD(-52)	y_4(-45)	
505.2153	**511.2315**	**514.3067**	**515.2858**	**529.3022**	**532.2565**	**533.2503**	**538.2445**	**545.2577**	**562.2667**
	KDLAT-H_2O(-109)		VLKDS-28(-64)	KDLAT(7.9)			VDVLK-NH_3(-147)	y_5-NH_3(-19) y_{15}-NH_3^{+3}(-52)	b_{10}-NH_3^{+2}(-36) y_5(-49) YVDVL-28(-101)
610.3170	**628.3211**	**675.3307**	**725.3430**	**774.4082**	**812.3390**	**889.4107**	**925.3787**	**1024.4335**	**1139.4991**
KDLATV-H_2O(-64) VKDLAT-H_2O(-64)	KDLATV(-72) VKDLAT(-72)	y_{18}-NH_3^{+3}(-46) y_6(-71)		YVKDLAT-NH_3(6.4) KDLATVY-NH_3(6.4) y_7(-50)		y_8(-71)			

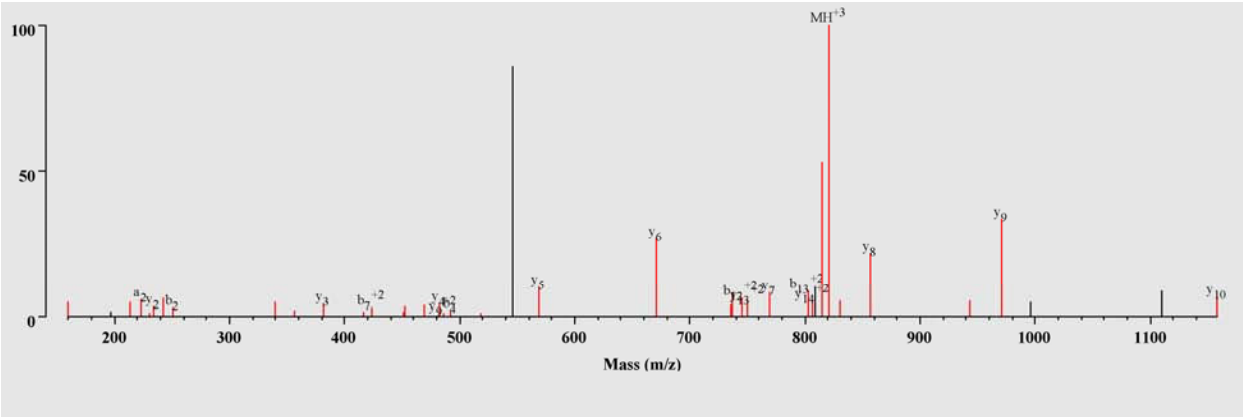
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 19	---	---
251.1026	---	2	**Y** 18	2041.0964	1021.0519
350.1710	---	3	**V** 17	1878.0331	939.5202
478.2660	239.6366	4	**K** 16	1778.9647	889.9860
593.2930	297.1501	5	**D** 15	1650.8697	825.9385
706.3770	353.6921	6	**L** 14	1535.8428	768.4250
777.4141	389.2107	7	**A** 13	1422.7587	711.8830
878.4618	439.7345	8	**T** 12	1351.7216	676.3644
977.5302	489.2687	9	**V** 11	1250.6739	625.8406
1140.5936	570.8004	10	**Y** 10	1151.6055	576.3064
1239.6620	620.3346	11	**V** 9	988.5422	494.7747
1354.6889	677.8481	12	**D** 8	889.4738	445.2405
1453.7573	727.3823	13	**V** 7	774.4468	387.7271
1566.8414	783.9243	14	**L** 6	675.3784	338.1928
1694.9363	847.9718	15	**K** 5	562.2944	281.6508

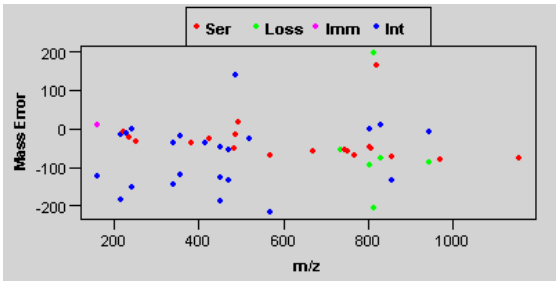
1809.9633	905.4853	16	**D**	4	434.1994	217.6033
1896.9953	949.0013	17	**S**	3	319.1724	160.0899
1954.0168	977.5120	18	**G**	2	232.1404	116.5738
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQLNLKLLDNWDSVTSTFSK^{+3}



Max Intensity: **149**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **76.9%** Matched Series Intensity: **65.7%**



Sequence: SYQLNLKLLDNWDSVTSTFSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C111 H172 N27 O36

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2460.7632	2459.2453	1230.8853	1230.1263	820.9260	820.4199

[–] Peak Matches

159.0930	197.1312	214.1520	223.1055	230.0741	234.1398	242.1498	251.0946	339.1542	356.1861
W(8.3) SV-28(-124)		QL-28(-14) LK-28(-184) KL-28(-184)	a_2(-9.9)	DN(-13)	y_2(-21)	QL(-0.49) LK(-151) KL(-151)	b_2(-32)	QLN-NH_3(-36) NLK-NH_3(-143)	QLN(-19) NLK(-121)
381.1986	**416.1410**	**424.2262**	**451.2434**	**452.2289**	**469.2506**	**482.2357**	**486.2299**	**492.2541**	**518.2481**
y_3(-38)	DNW(-37) NWD(-37)	b_7^{+2}(-26)	LKLL-NH_3(-187)	QLNL-NH_3(-47) NLKL-NH_3(-128) LNLK-NH_3(-128) KLLD-H_2O(-128)	QLNL(-56) LNLK(-134) NLKL(-134)	y_4(-52)	NWDS-NH_3(140) y_9^{+2}(-16)	b_4(18)	VTSTF-H_2O(-25)
546.2902	**569.2536**	**670.3011**	**735.8509**	**736.3413**	**744.8555**	**750.3099**	**769.3549**	**802.3712**	**806.8541**
	y_5(-69) QLNLK-28(-217)	y_6(-59)	b_{12}-H_2O^{+2}(-54)	b_{12}-NH_3^{+2}(-56)	b_{12}^{+2}(-54)	y_{13}^{+2}(-59)	y_7(-70)	LDNWDSV-28(-2.2) b_{13}^{+2}(-48) a_7-NH_3(-93)	y_{14}^{+2}(-52)
808.6258	**814.5765**	**820.5543**	**830.3773**	**856.3780**	**943.4440**	**971.3899**	**995.9233**	**1109.4856**	**1157.4586**
	MH-H_2O^{+3}(197) MH-NH_3^{+3}(-206)	MH^{+3}(164)	LDNWDSV(11) b_7-NH_3(-76)	y_8(-74) YQLNLKL-NH_3(-134)	LLDNWDSV(-8.5) b_8-NH_3(-86)	y_9(-80)			y_{10}(-77)

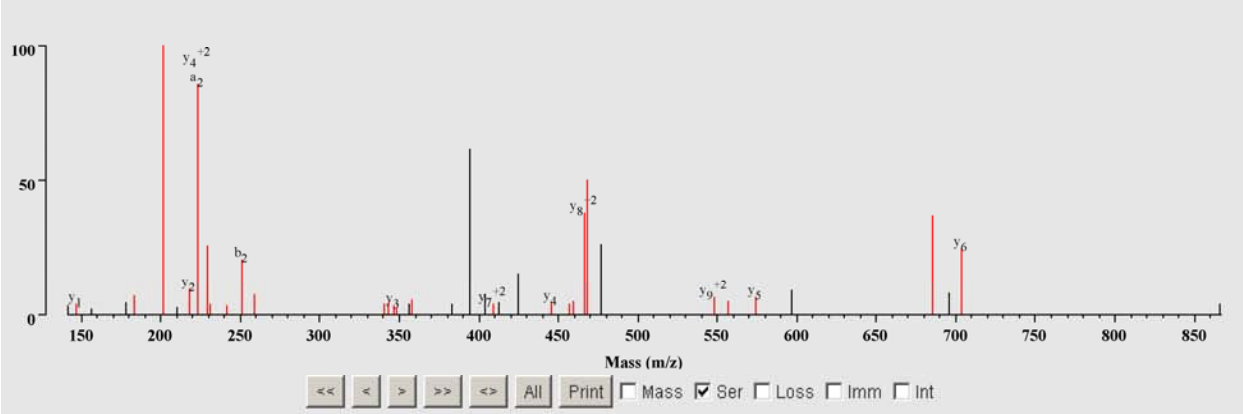
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	21	---	---
251.1026	---	2	Y	20	2372.2133	1186.6103
379.1612	---	3	Q	19	2209.1499	1105.0786
492.2453	---	4	L	18	2081.0913	1041.0493
606.2882	---	5	N	17	1968.0073	984.5073
719.3723	---	6	L	16	1853.9644	927.4858
847.4672	424.2373	7	K	15	1740.8803	870.9438
960.5513	480.7793	8	L	14	1612.7853	806.8963
1073.6354	537.3213	9	L	13	1499.7013	750.3543
1188.6623	594.8348	10	D	12	1386.6172	693.8122
1302.7052	651.8563	11	N	11	1271.5903	636.2988
1488.7845	744.8959	12	W	10	1157.5473	579.2773
1603.8115	802.4094	13	D	9	971.4680	486.2376
1690.8435	845.9254	14	S	8	856.4411	428.7242

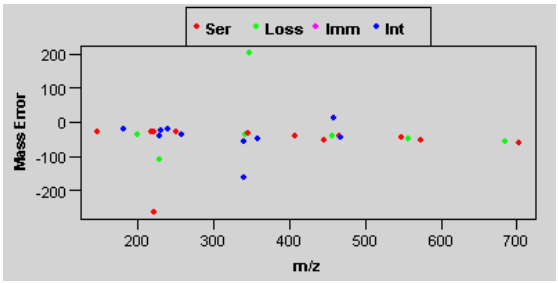
1789.9119	895.4596	15	**V**	7	769.4090	385.2082
1890.9596	945.9834	16	**T**	6	670.3406	335.6740
1977.9916	989.4995	17	**S**	5	569.2930	285.1501
2079.0393	1040.0233	18	**T**	4	482.2609	241.6341
2226.1077	1113.5575	19	**F**	3	381.2132	191.1103
2313.1398	1157.0735	20	**S**	2	234.1448	117.5761
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDLEEVKAK^{+3}



Max Intensity: **166**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **75.1%** Matched Series Intensity: **75.6%**



Sequence: SYDLEEVKAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H85 N12 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1182.3237	1181.6048	591.6656	591.3061	394.7795	394.5398

[–] Peak Matches

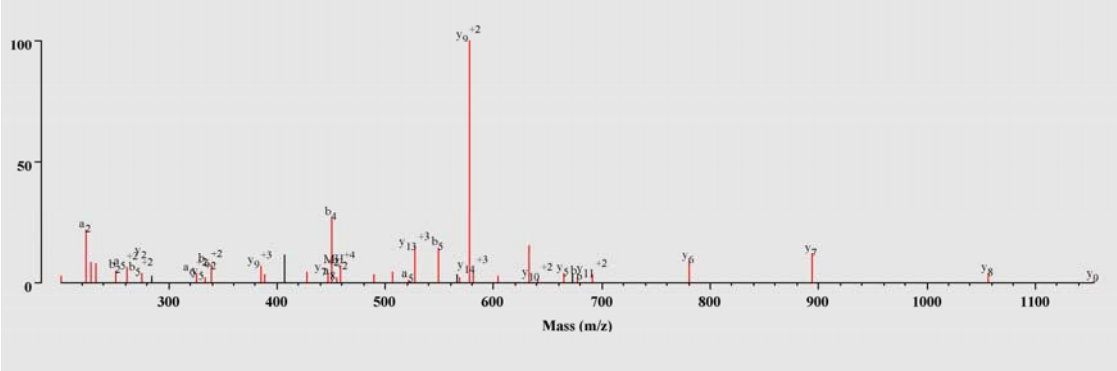
141.0972	147.1089	156.0991	178.0826	183.1087	201.1164	210.0994	218.1435	223.1014	229.1094
	y_1(-27)			KA-NH_3(-22)	EV-28(-35) DL-28(-35) y_2-NH_3(-35)		y_2(-29)	a_2(-28) y_4^{+2}(-264)	EV(-39) DL(-39) y_6-H_2O^{+3}(-108)
231.0919	**241.0768**	**251.0959**	**259.0825**	**340.1312**	**343.1855**	**346.2340**	**348.1897**	**356.1907**	**358.1438**
EE-28(-24)	EE-H_2O(-21)	YD-28(-27) b_2(-27)	EE(-38)	DLE-H_2O(-56) EEV-H_2O(-56) EVK-NH_3(-163)	y_6-H_2O^{+2}(-35)	y_3(-31)	b_3-H_2O(203)		EEV(-48) DLE(-48)
383.1805	**394.1959**	**403.7039**	**408.7280**	**412.7135**	**424.7100**	**445.2898**	**457.2354**	**459.2146**	**466.2400**
			y_7^{+2}(-41)			y_4(-53)	y_8-H_2O^{+2}(-39)	DLEE-28(13)	y_8^{+2}(-39)
468.2243	**477.2306**	**547.7658**	**556.3176**	**574.3252**	**596.3091**	**685.3503**	**695.3737**	**703.3550**	**866.4105**
EEVK-H_2O(-45)		y_9^{+2}(-44)	y_5-H_2O(-50)	y_5(-53)		y_6-H_2O(-55)		y_6(-62)	

[–] Main Sequence Ions

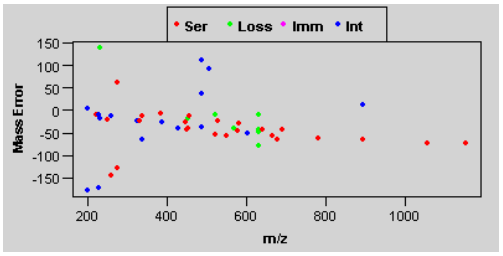
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1094.5728	547.7900
366.1296	---	3	D	8	931.5095	466.2584
479.2136	---	4	L	7	816.4825	408.7449
608.2562	---	5	E	6	703.3985	352.2029
737.2988	---	6	E	5	574.3559	287.6816
836.3672	---	7	V	4	445.3133	223.1603
964.4622	482.7347	8	K	3	346.2449	173.6261
1035.4993	518.2533	9	A	2	218.1499	109.5786
---	---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAKVQPYLDDFQKK^{+4}



Max Intensity: **1542**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **94.0%** Matched Series Intensity: **93.9%**



Sequence SYAKVQPYLDDFQKK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 4 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C85 H129 N20 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1831.0913	1829.9432	916.0493	915.4753	611.0354	610.6526	458.5284	458.2413

[–] **Peak Matches**

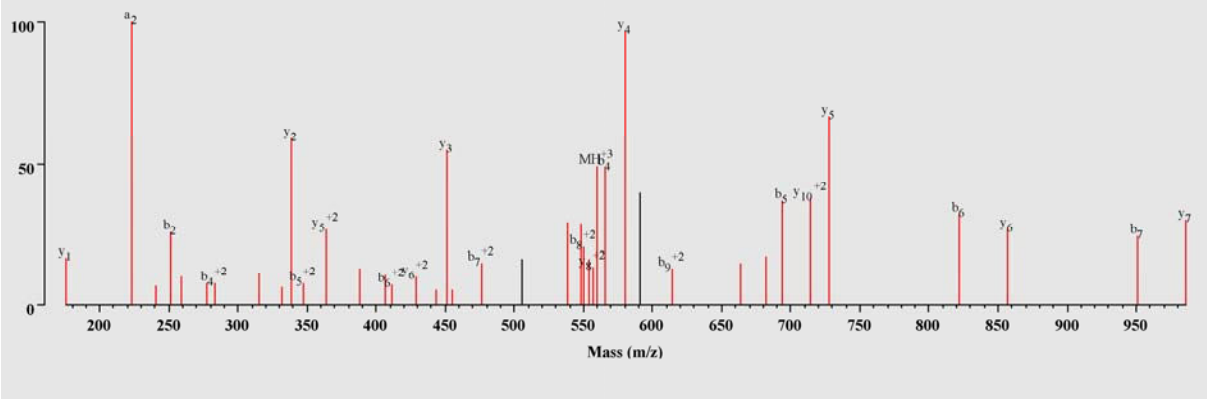
200.1401	223.1055	228.1317	233.1244	251.0976	261.1199	275.1725	284.1677	325.1793	333.1768
VQ-28(3.7) AK(3.7) KV-28(-178)	a_2(-9.9)	VQ(-11) KV(-171)	b_2-H_2O(139) PY-28(-17)	b_2(-20)	PY(-13) a_5^{+2}(-145)	b_5^{+2}(63) y_2(-128)		a_6^{+2}(-24) VQP(-24)	y_5^{+2}(-23)
339.1803	**385.1982**	**389.1719**	**407.1782**	**427.2489**	**447.2278**	**450.2147**	**455.2264**	**458.2358**	**489.2164**
b_6^{+2}(-12) KVQ-NH_3(-66)	y_9^{+3}(-7.6)	QPY(-26)		AKVQ(-41)	y_7^{+2}(-27)	b_4(-44)	y_{11}-NH_3^{+3}(-18) a_8^{+2}(-41)	MH^{+4}(-12)	DDFQ-NH_3(112) YLDD-H_2O(38) PYLD(-37)
506.2347	**521.2794**	**527.2750**	**549.2714**	**566.2974**	**568.2696**	**577.2723**	**581.6256**	**604.2303**	**632.2912**
DDFQ(92)	y_{13}-H_2O^{+3}(-8.7) a_5(-55)	y_{13}^{+3}(-24)	b_5(-58)		y_9-H_2O^{+2}(-41)	y_9^{+2}(-45)	y_{14}^{+3}(-28)	PYLDD(-51)	b_{11}-NH_3^{+2}(-11) y_{10}-H_2O^{+2}(-49) a_6-NH_3(-78)
632.7863	**641.2990**	**665.3244**	**673.3132**	**677.3168**	**690.8310**	**780.3397**	**893.4144**	**1056.4596**	**1153.5051**
y_{10}-NH_3^{+2}(-44)	y_{10}^{+2}(-44)	y_5(-56)		b_6(-66)	y_{11}^{+2}(-44)	y_6(-63)	YLDDFQK-NH_3(12) y_7(-65)	y_8(-72)	y_9(-73)

[–] **Main Sequence Ions**

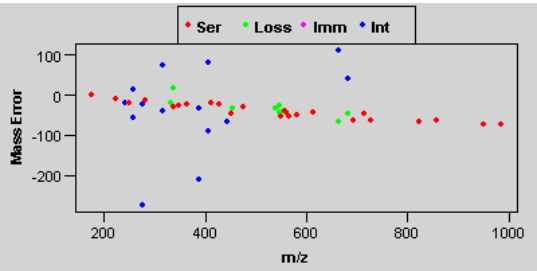
b	b^{+2}			y	y^{+2}
---	---	1	S 15	---	---
251.1026	---	2	Y 14	1742.9112	871.9592
322.1397	---	3	A 13	1579.8479	790.4276
450.2347	225.6210	4	K 12	1508.8108	754.9090
549.3031	275.1552	5	V 11	1380.7158	690.8615
677.3617	339.1845	6	Q 10	1281.6474	641.3273
774.4145	387.7109	7	P 9	1153.5888	577.2980
937.4778	469.2425	8	Y 8	1056.5360	528.7717
1050.5619	525.7846	9	L 7	893.4727	447.2400
1165.5888	583.2980	10	D 6	780.3886	390.6980
1280.6157	640.8115	11	D 5	665.3617	333.1845
1427.6842	714.3457	12	F 4	550.3348	275.6710
1555.7427	778.3750	13	Q 3	403.2663	202.1368
1683.8377	842.4225	14	K 2	275.2078	138.1075
---	---	15	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKWQEEM(Oxidation)ELYR^{+3}



Max Intensity: **254**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **94.7%** Matched Series Intensity: **94.2%**



Sequence: SYKWQEEM(Oxidation)ELYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C75 H109 N18 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1678.7105	1677.7577	839.8589	839.3825	560.2418	559.9241

[–] **Peak Matches**

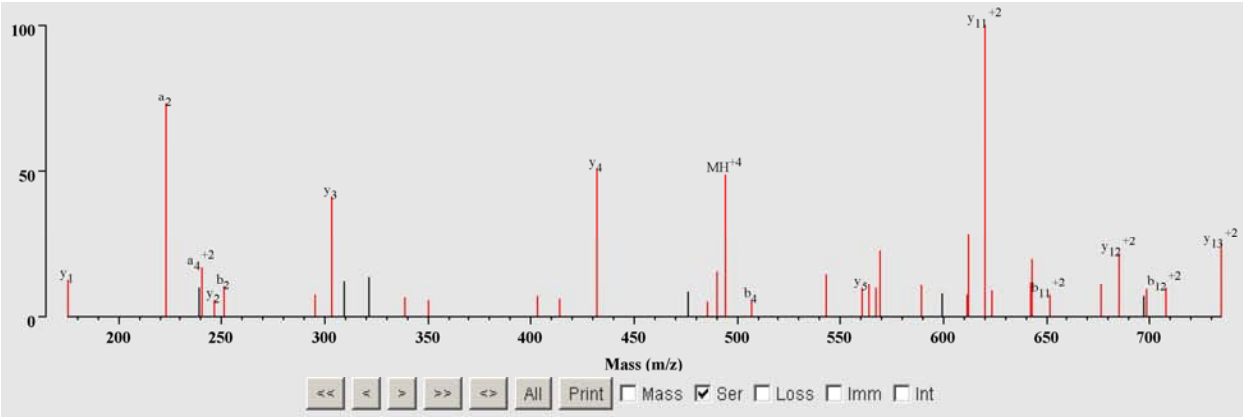
175.1189	223.1055	241.0774	251.0976	259.0778	277.0784	283.1381	315.1686	332.1705	338.1720
y_1(-0.30)	a_2(-9.9)	QE-NH_3(-19) EE-H_2O(-19)	b_2(-20)	EM(Oxidation)-H_2O(12) M(Oxidation)E-H_2O(12) EE(-57)	EM(Oxidation)(-25) M(Oxidation)E(-25) LY(-275)	b_4^{+2}(-14)	WQ(74) KW(-41)	y_5-$SOCH_4^{+2}$(-19)	b_5-H_2O^{+2}(17) y_2(-30)
347.1620	**364.1674**	**388.1048**	**406.1610**	**411.6839**	**428.6878**	**443.2102**	**451.2454**	**455.2103**	**476.1990**
b_5^{+2}(-27)	y_5^{+2}(-23)	EM(Oxidation)E-H_2O(-32) EEM(Oxidation)-H_2O(-32) ELY-H_2O(-211)	EEM(Oxidation)(82) EM(Oxidation)E(82) ELY(-89)	b_6^{+2}(-21)	y_6^{+2}(-22)	KWQ(-68)	y_3(-46)	y_{10}-$SOCH_4^{+3}$(-35)	b_7^{+2}(-31)
505.7217	**538.5739**	**548.2273**	**549.7022**	**553.8988**	**557.2246**	**559.8995**	**565.2462**	**580.2798**	**590.5859**
	MH-$SOCH_4^{+3}$(-32)	y_8-H_2O^{+2}(-28) b_4-NH_3(-42)	b_8^{+2}(-54)	MH-H_2O^{+3}(-39)	y_8^{+2}(-41)	MH^{+3}(-44)	b_4(-54)	y_4(-50)	
614.2252	**663.3024**	**682.3035**	**693.2906**	**714.3010**	**727.2992**	**822.3223**	**856.3309**	**951.3523**	**985.3584**
b_9^{+2}(-45)	QEEM(Oxidation)E(111) y_5-$SOCH_4$(-66)	EM(Oxidation)ELY(41) y_{10}-$SOCH_4^{+2}$(-47)	b_5(-65)	y_{10}^{+2}(-47)	y_5(-62)	b_6(-68)	y_6(-65)	b_7(-72)	y_7(-72)

[–] **Main Sequence Ions**

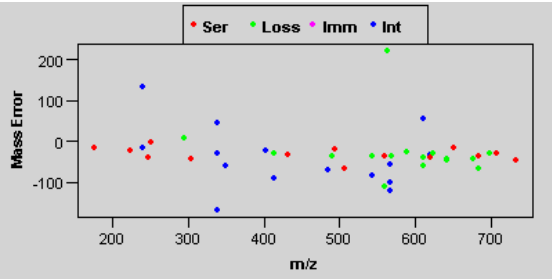
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1590.7257	795.8665
379.1976	190.1024	3	**K**	10	1427.6624	714.3348
565.2769	283.1421	4	**W**	9	1299.5674	650.2873
693.3355	347.1714	5	**Q**	8	1113.4881	557.2477
822.3781	411.6927	6	**E**	7	985.4295	493.2184
951.4207	476.2140	7	**E**	6	856.3869	428.6971
1098.4561	549.7317	8	**M(Oxidation)**	5	727.3443	364.1758
1227.4987	614.2530	9	**E**	4	580.3089	290.6581
1340.5827	670.7950	10	**L**	3	451.2663	226.1368
1503.6461	752.3267	11	**Y**	2	338.1823	169.5948
---	---	12	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQKVEPLRAELQEGAR^{+4}



Max Intensity: **15.7**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **91.8%** Matched Series Intensity: **91.2%**



Sequence SYQKVEPLRAELQEGAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C85 H141 N26 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1975.2254	1974.0403	988.1164	987.5238	659.0801	658.6850	494.5619	494.2655

[–] Peak Matches

175.1158	223.1028	239.1396	240.1300	246.1462	251.1019	295.1550	303.1641	309.1386	321.1300
y_1(-18)	a_2(-22)		EGA-H_2O(134) QE-H_2O(134) a_4^{+2}(-18) QK-NH_3(-18)	y_2(-40)	b_2(-2.9)	b_5-NH_3^{+2}(7.9)	y_3(-44)		
339.1929	**350.1969**	**403.1888**	**414.1972**	**432.2054**	**476.2635**	**485.2380**	**490.2123**	**494.2562**	**507.2229**
RAE-H_2O(45) QKV-NH_3(-29) KVE-H_2O(-29) PLR-28(-169)	PLR-NH_3(-62)	YQK-NH_3(-22)	y_4-H_2O(-30) AELQ-28(-91)	y_4(-34)		QKVE(-70)	b_4-NH_3(-35)	MH^{+4}(-19)	b_4(-66)
543.2324	**560.2577**	**563.9464**	**567.2933**	**569.2944**	**589.2813**	**599.2941**	**611.3013**	**611.8068**	**620.3195**
y_5-NH_3(-36) AELQE-28(-83)	y_5(-37) a_5-H_2O(-110)	a_{10}-H_2O^{+2}(221)	PLRAE(-56) EPLRA(-56) KVEPL(-100) VEPLR-28(-120)	y_{15}-H_2O^{+3}(-38)	b_5-NH_3(-28)		AELQEG-NH_3(56) ELQEGA-NH_3(56) y_{11}-H_2O^{+2}(-61)	y_{11}-NH_3^{+2}(-39)	YQKVE-28(-33) y_{11}^{+2}(-39)
623.6522	**642.3117**	**642.8030**	**651.3352**	**676.3222**	**684.8400**	**697.3516**	**698.8608**	**707.8674**	**734.3653**
y_{16}-H_2O^{+3}(-30)	b_{11}-H_2O^{+2}(-45)	b_{11}-NH_3^{+2}(-46)	b_{11}^{+2}(-17)	y_{12}-NH_3^{+2}(-44)	y_{12}^{+2}(-37) a_{12}-H_2O^{+2}(-66)		b_{12}-H_2O^{+2}(-31)	b_{12}^{+2}(-29)	y_{13}^{+2}(-46)

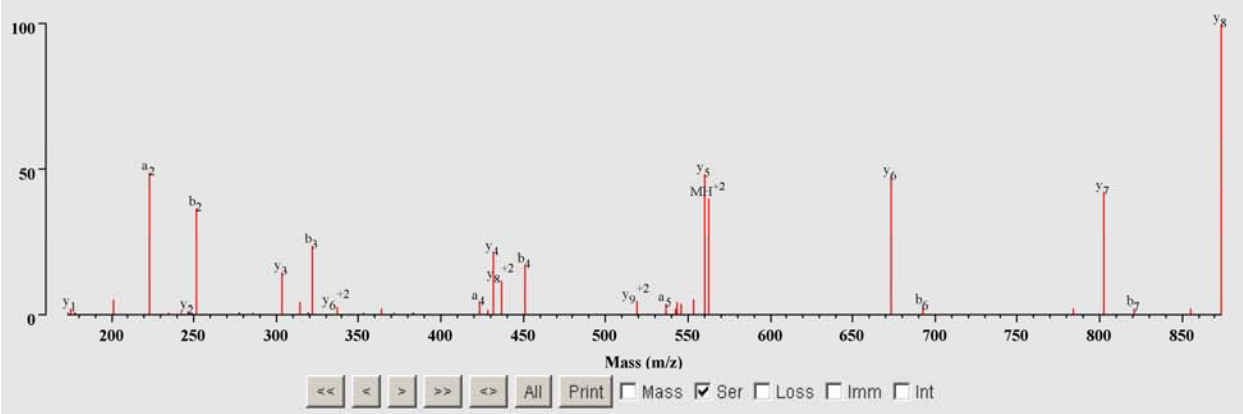
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 17	---	---
251.1026	---	2	Y 16	1887.0083	944.0078
379.1612	---	3	Q 15	1723.9450	862.4761
507.2562	254.1317	4	K 14	1595.8864	798.4468
606.3246	303.6659	5	V 13	1467.7914	734.3993
735.3672	368.1872	6	E 12	1368.7230	684.8651
832.4199	416.7136	7	P 11	1239.6804	620.3438
945.5040	473.2556	8	L 10	1142.6276	571.8175
1101.6051	551.3062	9	R 9	1029.5436	515.2754
1172.6422	586.8248	10	A 8	873.4425	437.2249
1301.6848	651.3461	11	E 7	802.4054	401.7063
1414.7689	707.8881	12	L 6	673.3628	337.1850

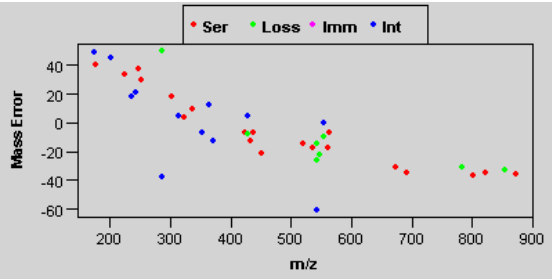
1542.8275	771.9174	13	**Q**	5	560.2787	280.6430
1671.8701	836.4387	14	**E**	4	432.2201	216.6137
1728.8915	864.9494	15	**G**	3	303.1775	152.0924
1799.9286	900.4680	16	**A**	2	246.1561	123.5817
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAELQEGAR^{+2}



Max Intensity: **630**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **99.4%** Matched Series Intensity: **99.3%**



Sequence: SYAELQEGAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C47 H75 N14 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1124.2025	1123.5378	562.6050	562.2726

[–] Peak Matches

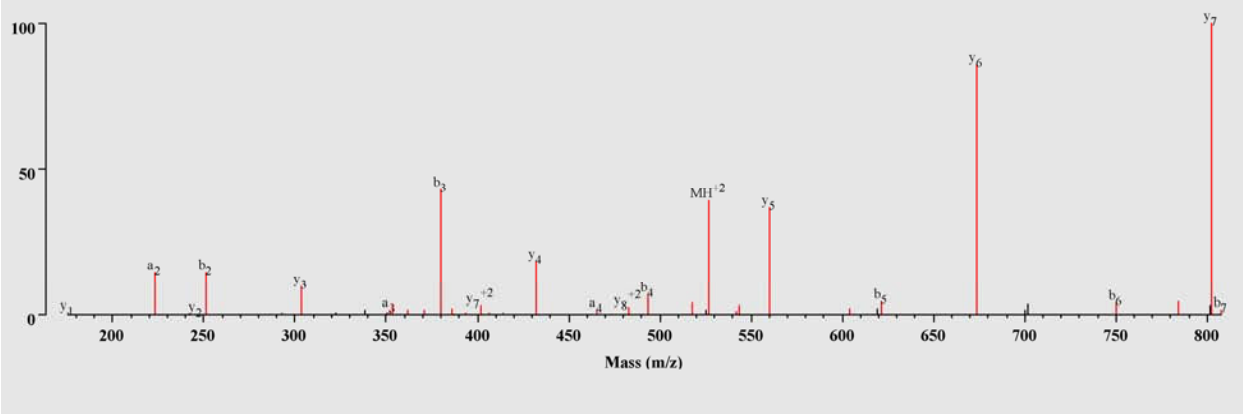
173.1006	175.1260	178.0939	201.0960	223.1152	235.1119	242.1550	246.1652	251.1102	277.1242
AE-28(49)	y_1(40)		AE(45)	a_2(34)	YA(18)	LQ(21)	y_2(37)	b_2(30)	
286.1652	**303.1829**	**314.1724**	**319.1586**	**322.1410**	**337.1881**	**353.1795**	**364.1546**	**371.1877**	**383.1906**
y_3-NH_3(50) AEL-28(-38)	y_3(18)	AEL(4.3)		b_3(3.9)	y_6^{+2}(9.1)	ELQ-H_2O(-6.9) LQE-H_2O(-6.9)	YAE(12)	ELQ(-13) LQE(-13)	
423.1845	**428.2161**	**432.2143**	**437.2220**	**451.1729**	**518.7485**	**536.2617**	**542.2543**	**543.2442**	**546.2436**
a_4(-6.9)	LQEG(5.0) y_8-H_2O^{+2}(-8.2)	y_4(-13)	y_8^{+2}(-6.6)	b_4(-21)	y_9^{+2}(-15)	a_5(-18)	y_5-H_2O(-26)	y_5-NH_3(-15) AELQE-28(-61)	b_5-H_2O(-22)
553.2617	**560.2686**	**562.2685**	**673.3421**	**692.3007**	**784.3705**	**802.3756**	**821.3389**	**855.4041**	**873.4107**
AELQE-H_2O(0.085) MH-H_2O^{+2}(-10)	y_5(-18)	MH^{+2}(-7.2)	y_6(-31)	b_6(-35)	y_7-H_2O(-31)	y_7(-37)	b_7(-35)	y_8-H_2O(-33)	y_8(-36)

[–] Main Sequence Ions

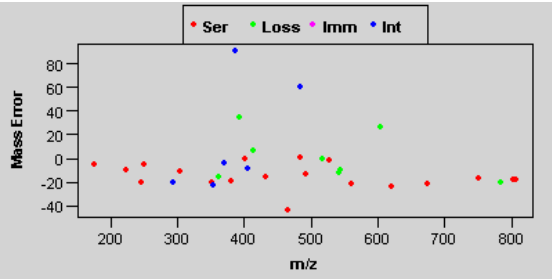
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	1036.5058	518.7565
322.1397	3	A 8	873.4425	437.2249
451.1823	4	E 7	802.4054	401.7063
564.2664	5	L 6	673.3628	337.1850
692.3250	6	Q 5	560.2787	280.6430
821.3676	7	E 4	432.2201	216.6137
878.3890	8	G 3	303.1775	152.0924
949.4262	9	A 2	246.1561	123.5817
---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYELQEGAR^{+2}



Max Intensity: **204**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **96.5%** Matched Series Intensity: **96.1%**



Sequence: SYELQEGAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C44 H70 N13 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1053.1232	1052.5007	527.0653	526.7540

[–] **Peak Matches**

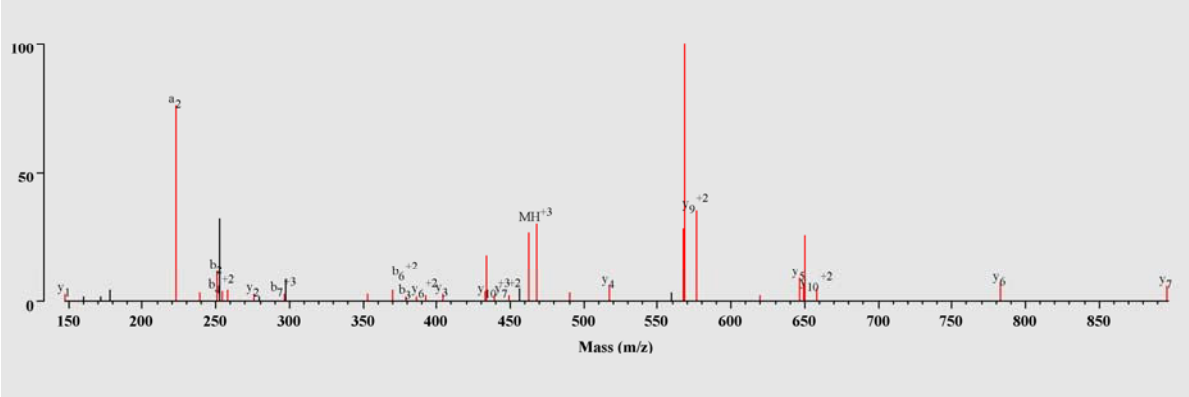
175.1181	223.1054	246.1508	251.1012	293.1072	303.1743	322.1310	338.1306	350.1634	352.1428
y_1(-4.9)	a_2(-10)	y_2(-21)	b_2(-5.7)	YE(-20)	y_3(-11)				a_3(-21)
353.1737	**362.1290**	**371.1910**	**380.1379**	**386.2020**	**393.2070**	**401.7059**	**406.1936**	**414.2124**	**432.2131**
ELQ-H_2O(-23) LQE-H_2O(-23)	b_3-H_2O(-16)	ELQ(-4.1) LQE(-4.1)	b_3(-19)	QEGA(91)	y_7-NH_3^{+2}(35)	y_7^{+2}(-1.0)	YEL(-9.0)	y_4-H_2O(6.9)	y_4(-16)
465.2138	**483.2382**	**493.2225**	**517.7486**	**525.2360**	**526.7533**	**542.2614**	**543.2470**	**560.2661**	**604.2772**
a_4(-44)	ELQE-NH_3(61) y_8^{+2}(0.45)	b_4(-14)	MH-H_2O^{+2}(-0.22)		MH^{+2}(-1.3)	y_5-H_2O(-12)	y_5-NH_3(-9.5)	y_5(-22)	b_5-NH_3(26)
619.2954	**621.2732**	**673.3481**	**700.3464**	**701.3437**	**750.3177**	**784.3782**	**801.3678**	**802.3913**	**807.3377**
	b_5(-24)	y_6(-22)			b_6(-17)	y_7-H_2O(-21)		y_7(-18)	b_7(-18)

[–] **Main Sequence Ions**

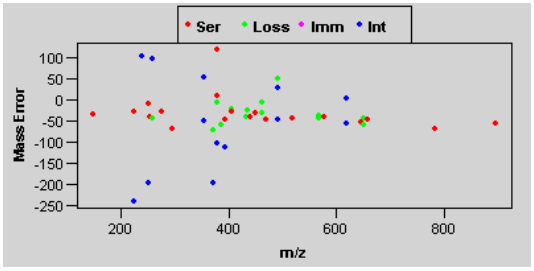
b			y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	965.4687	483.2380
380.1452	3	E	7	802.4054	401.7063
493.2293	4	L	6	673.3628	337.1850
621.2879	5	Q	5	560.2787	280.6430
750.3305	6	E	4	432.2201	216.6137
807.3519	7	G	3	303.1775	152.0924
878.3890	8	A	2	246.1561	123.5817
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQKLHELQEK^{+3}



Max Intensity: **49.6**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **88.3%** Matched Series Intensity: **87.1%**



Sequence SYQKLHELQEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C62 H100 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1403.5875	1402.7325	702.2974	701.8699	468.5341	468.2490

[–] **Peak Matches**

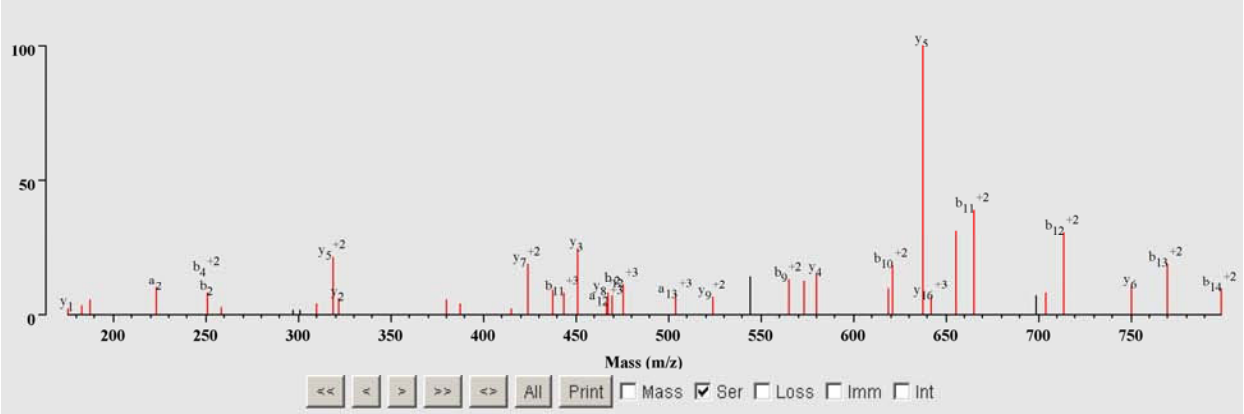
147.1078	160.0733	172.1305	178.0826	223.1014	239.1382	251.1004	252.1122	254.1207	258.1329
y_1(-34)				a_2(-28) LH-28(-242)	HE-28(102)	b_2(-8.9) LH(-198)		b_4^{+2}(-43)	QE(95) y_2-H_2O(-46)
276.1475	**279.1405**	**296.1314**	**297.1256**	**353.1999**	**370.1712**	**379.2060**	**386.1800**	**392.1842**	**404.2022**
y_2(-29)		b_7^{+3}(-70)		LQE-H_2O(51) ELQ-H_2O(51) QKL-NH_3(-52)	b_6-H_2O^{+2}(-72) QKL(-199)	b_3(118) b_6^{+2}(7.3) y_9-NH_3^{+3}(-6.3) KLH(-103)	y_3-H_2O(-61)	y_6^{+2}(-49) YQK-28(-115)	a_{10}-H_2O^{+3}(-24) y_3(-29)
433.2168	**433.5517**	**439.2197**	**448.7314**	**456.5557**	**462.2312**	**468.2264**	**490.2542**	**517.2749**	**559.2882**
y_{10}-H_2O^{+3}(-42)	y_{10}-NH_3^{+3}(-26)	y_{10}^{+3}(-42)	y_7^{+2}(-31)		a_4-NH_3(-7.6) MH-H_2O^{+3}(-31)	MH^{+3}(-48)	b_4-NH_3(50) HELQ-H_2O(27) QKLH-NH_3(-47) KLHE-H_2O(-47)	y_4(-45)	
567.7916	**568.2878**	**576.7977**	**619.2852**	**646.3066**	**649.3103**	**649.8120**	**658.3219**	**783.3451**	**896.4338**
y_9-H_2O^{+2}(-45)	y_9-NH_3^{+2}(-37)	y_9^{+2}(-42)	HELQE-H_2O(2.8) QKLHE-NH_3(-56)	y_5(-53)	y_{10}-H_2O^{+2}(-59)	y_{10}-NH_3^{+2}(-44)	y_{10}^{+2}(-49)	y_6(-69)	y_7(-56)

[–] **Main Sequence Ions**

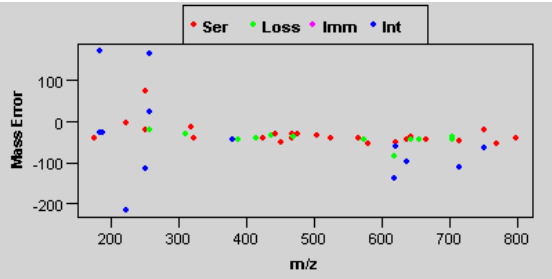
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1315.7005	658.3539
379.1612	---	3	**Q**	9	1152.6371	576.8222
507.2562	254.1317	4	**K**	8	1024.5786	512.7929
620.3402	310.6738	5	**L**	7	896.4836	448.7454
757.3991	379.2032	6	**H**	6	783.3995	392.2034
886.4417	443.7245	7	**E**	5	646.3406	323.6740
999.5258	500.2665	8	**L**	4	517.2980	259.1527
1127.5844	564.2958	9	**Q**	3	404.2140	202.6106
1256.6270	628.8171	10	**E**	2	276.1554	138.5813
---	---	11	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLHELQEKLSPLGEEM(Oxidation)R^{+4}



Max Intensity: **94.1**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **95.3%** Matched Series Intensity: **95.3%**



Sequence SYLHELQEKLSPLGEEM(Oxidation)R
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C94 H152 N25 O32 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2176.3065	2175.0750	1088.6570	1088.0412	726.1071	725.6965	544.8322	544.5242

[–] Peak Matches

175.1121	183.1445	187.0665	223.1070	251.1214	258.1511	297.1664	301.1194	310.1194	319.1301
y_1(-39)	LS-H_2O(173) PL-28(-26)	GE(-26)	a_2(-3.2) LH-28(-217)	b_2(75) b_4^{+2}(-20) LH(-115)	QE(165) EK(24) y_2-$SOCH_4$(-19)			y_5-H_2O^{+2}(-30)	y_5^{+2}(-13)
322.1416	**380.1760**	**387.1812**	**415.1801**	**424.1856**	**437.5473**	**443.5521**	**451.1745**	**466.5711**	**467.7002**
y_2(-40)	LHE(-44) HEL(-44)	y_3-$SOCH_4$(-45)	y_7-H_2O^{+2}(-41)	y_7^{+2}(-40)	b_{11}-H_2O^{+3}(-35)	b_{11}^{+3}(-32)	y_3(-50)	a_{12}^{+3}(-31)	y_8^{+2}(-39)
469.8968	**475.9022**	**504.2625**	**524.2398**	**544.2585**	**564.7648**	**573.2370**	**580.2075**	**619.1982**	**621.2981**
b_{12}-H_2O^{+3}(-36)	b_{12}^{+3}(-32)	a_{13}^{+3}(-35)	y_9^{+2}(-40)		b_9^{+2}(-41)	y_5-$SOCH_4$(-45)	y_4(-55)	y_5-H_2O(-84) HELQE-H_2O(-138)	b_{10}^{+2}(-51) LHELQ(-60)
637.2322	**642.3069**	**655.8111**	**664.8163**	**698.8444**	**704.3367**	**713.3393**	**750.3287**	**769.8736**	**798.3928**
y_5(-45) HELQE(-97)	y_{16}^{+3}(-38) a_{11}-NH_3^{+2}(-44)	b_{11}-H_2O^{+2}(-45)	b_{11}^{+2}(-44)		MH-$SOCH_4^{+3}$(-38) b_{12}-H_2O^{+2}(-43)	b_{12}^{+2}(-46) ELQEKL-28(-112)	y_6(-22) LHELQE(-66)	b_{13}^{+2}(-53)	b_{14}^{+2}(-40)

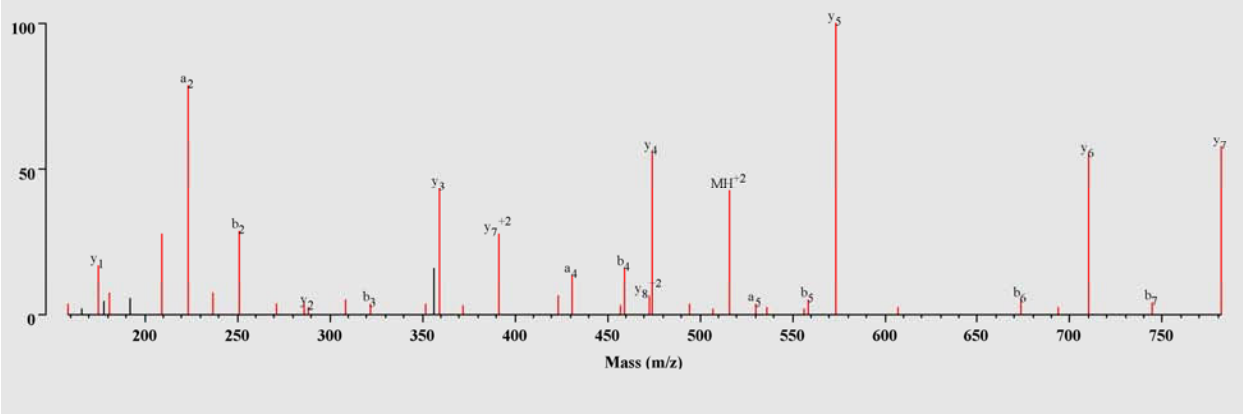
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	18	---	---
251.1026	---	2	Y	17	2088.0430	1044.5251
364.1867	---	3	L	16	1924.9797	962.9935
501.2456	251.1264	4	H	15	1811.8956	906.4515
630.2882	315.6477	5	E	14	1674.8367	837.9220
743.3723	372.1898	6	L	13	1545.7941	773.4007
871.4308	436.2191	7	Q	12	1432.7101	716.8587
1000.4734	500.7404	8	E	11	1304.6515	652.8294
1128.5684	564.7878	9	K	10	1175.6089	588.3081
1241.6525	621.3299	10	L	9	1047.5139	524.2606
1328.6845	664.8459	11	S	8	934.4299	467.7186
1425.7373	713.3723	12	P	7	847.3978	424.2026
1538.8213	769.9143	13	L	6	750.3451	375.6762
1595.8428	798.4250	14	G	5	637.2610	319.1341
1724.8854	862.9463	15	E	4	580.2395	290.6234
1853.9280	927.4676	16	E	3	451.1969	226.1021

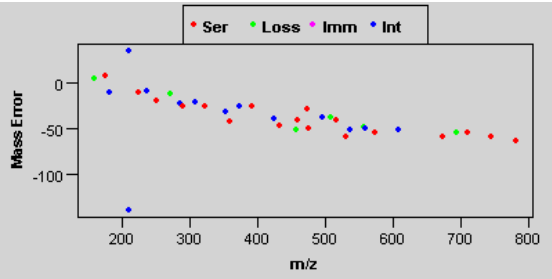
2000.9634	1000.9853	17	**M(Oxidation)**	2	322.1544	161.5808
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAHVDALR^{+2}



Max Intensity: **2463**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **95.9%** Matched Series Intensity: **96.0%**



Sequence: SYAHVDALR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C45 H71 N14 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1032.1509	1031.5269	516.5792	516.2671

[–] **Peak Matches**

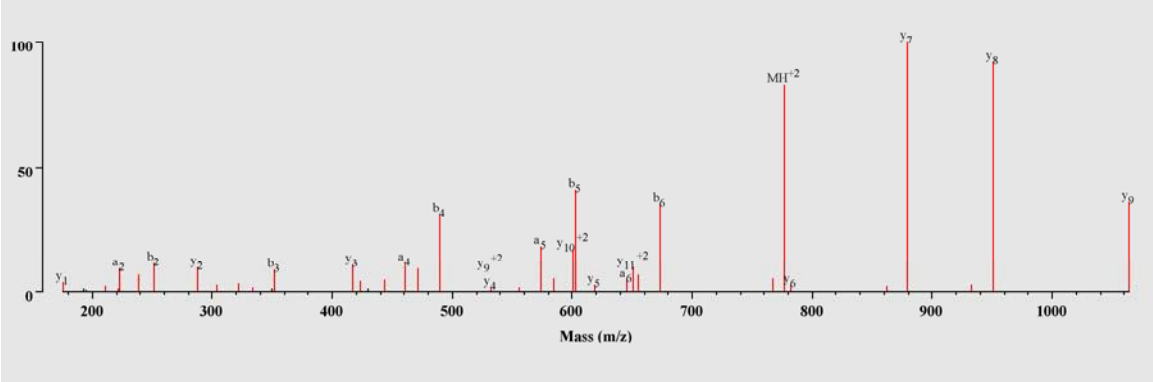
158.0931	166.0634	175.1202	178.0856	181.1065	192.0803	209.1107	223.1055	237.1323	251.0976
y_1-NH_3(4.4)		y_1(7.1)		AH-28(-10)		AH(35) HV-28(-139)	a_2(-9.9)	HV(-9.7)	b_2(-20)
271.1731	**286.1333**	**288.1956**	**308.1652**	**322.1318**	**352.1504**	**356.1932**	**359.2252**	**372.1568**	**391.2095**
y_2-NH_3(-12)	VDA(-23)	y_2(-26)	AHV(-21)	b_3(-25)	HVD(-32)		y_3(-42)	YAH(-26)	y_7^{+2}(-25)
423.1821	**431.1838**	**457.2174**	**459.1803**	**472.7380**	**474.2433**	**494.2171**	**507.2424**	**516.2465**	**530.2410**
AHVD(-39) HVDA(-39)	a_4(-46)	y_4-NH_3(-51)	b_4(-40)	y_8^{+2}(-28)	y_4(-50)	AHVDA(-38)	MH-H_2O^{+2}(-38)	MH^{+2}(-40)	a_5(-59)
536.2550	**556.2823**	**558.2392**	**573.3047**	**607.2885**	**673.2543**	**693.3305**	**710.3558**	**744.2874**	**781.3816**
HVDAL(-52)	y_5-NH_3(-48)	b_5(-50) YAHVD-28(-50)	y_5(-54)	AHVDAL(-52)	b_6(-59)	y_6-NH_3(-54)	y_6(-54)	b_7(-59)	y_7(-64)

[–] **Main Sequence Ions**

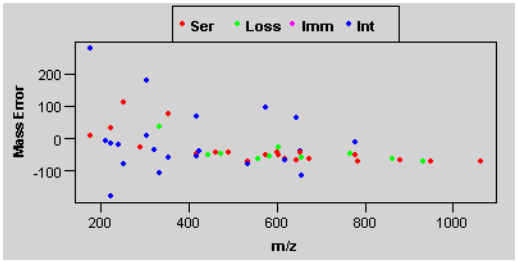
b	b^{+2}				y	y^{+2}
---	---	1	**S**	9	---	---
251.1026	---	2	**Y**	8	944.4948	472.7511
322.1397	---	3	**A**	7	781.4315	391.2194
459.1987	230.1030	4	**H**	6	710.3944	355.7008
558.2671	279.6372	5	**V**	5	573.3355	287.1714
673.2940	337.1506	6	**D**	4	474.2671	237.6372
744.3311	372.6692	7	**A**	3	359.2401	180.1237
857.4152	429.2112	8	**L**	2	288.2030	144.6051
---	---	9	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTHLAPYSDELR^{+2}



Max Intensity: **2376**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **99.3%** Matched Series Intensity: **99.1%**



Sequence: SYTHLAPYSDELR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H103 N18 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1552.6940	1551.7438	776.8507	776.3755

[–] **Peak Matches**

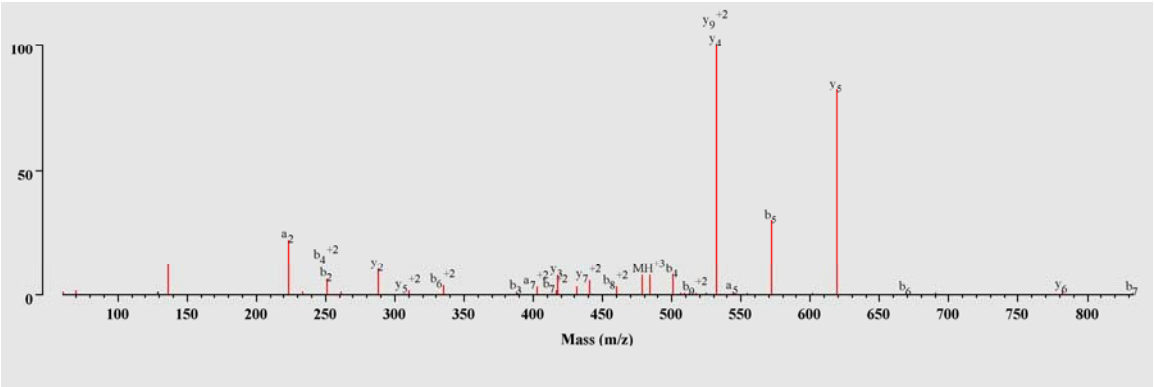
175.1202	193.1087	195.0863	211.1175	221.1000	223.1154	239.1096	251.1306	288.1956	304.1680
SD-28(279) y_1(7.1)			TH-28(-6.9)	TH-H_2O(-15)	YS-28(34) a_2(34) HL-28(-179)	TH(-18)	YS(111) b_2(111) HL(-78)	y_2(-26)	SDE-28(178) APY-28(8.0)
322.1760	**334.1518**	**350.1696**	**352.1771**	**417.2266**	**423.2191**	**430.1527**	**443.1803**	**461.1942**	**471.1755**
HLA(-35)	b_3-H_2O(36) THL-H_2O(-106)		b_3(76) THL(-59)	SDEL-28(69) y_3(-46) LAPY-28(-55)	THLA(-38)		a_4-H_2O(-53)	a_4(-44)	b_4-H_2O(-49)
489.1871	**532.2346**	**556.2533**	**574.2681**	**584.2509**	**600.7785**	**602.2616**	**619.2663**	**645.2930**	**651.3000**
b_4(-45)	y_4(-71) y_9^{+2}(-75) LAPYS(-79)	a_5-H_2O(-62)	PYSDE-H_2O(94) a_5(-53)	b_5-H_2O(-54)	y_{10}^{+2}(-42)	y_5-NH_3(-27) b_5(-53)	y_5(-62) LAPYSD-28(-68)	APYSDE-H_2O(64) a_6(-66)	HLAPYS-H_2O(-38) y_{11}^{+2}(-43)
655.2813	**673.2886**	**767.3351**	**776.3371**	**782.3130**	**862.3397**	**879.3609**	**932.3787**	**950.3893**	**1063.4658**
b_6-H_2O(-59) THLAPY-28(-114) YTHLAP-28(-114)	b_6(-62)	MH-H_2O^{+2}(-46)	LAPYSDE(-12) APYSDEL(-12) MH^{+2}(-50)	y_6(-70)	y_7-NH_3(-63)	y_7(-68)	y_8-H_2O(-73)	y_8(-72)	y_9(-72)

[–] **Main Sequence Ions**

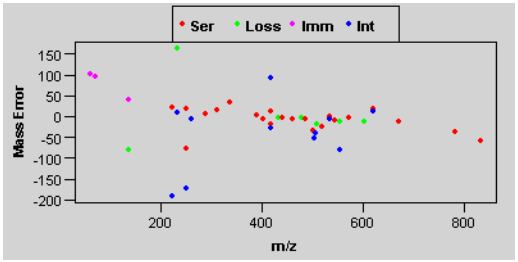
b	b^{+2}			y	y^{+2}
---	---	1	S 13	---	---
251.1026	---	2	Y 12	1464.7118	732.8595
352.1503	---	3	T 11	1301.6484	651.3279
489.2092	245.1083	4	H 10	1200.6008	600.8040
602.2933	301.6503	5	L 9	1063.5419	532.2746
673.3304	337.1688	6	A 8	950.4578	475.7325
770.3832	385.6952	7	P 7	879.4207	440.2140
933.4465	467.2269	8	Y 6	782.3679	391.6876
1020.4785	510.7429	9	S 5	619.3046	310.1559
1135.5055	568.2564	10	D 4	532.2726	266.6399
1264.5481	632.7777	11	E 3	417.2456	209.1264
1377.6321	689.3197	12	L 2	288.2030	144.6051
---	---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHLAPYSDELR^{+3}



Max Intensity: **59.0**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **98.5%** Matched Series Intensity: **98.8%**



Sequence SYHLAPYSDELR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C65 H96 N17 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1451.5882	1450.6961	726.2978	725.8517	484.5344	484.2369

[–] **Peak Matches**

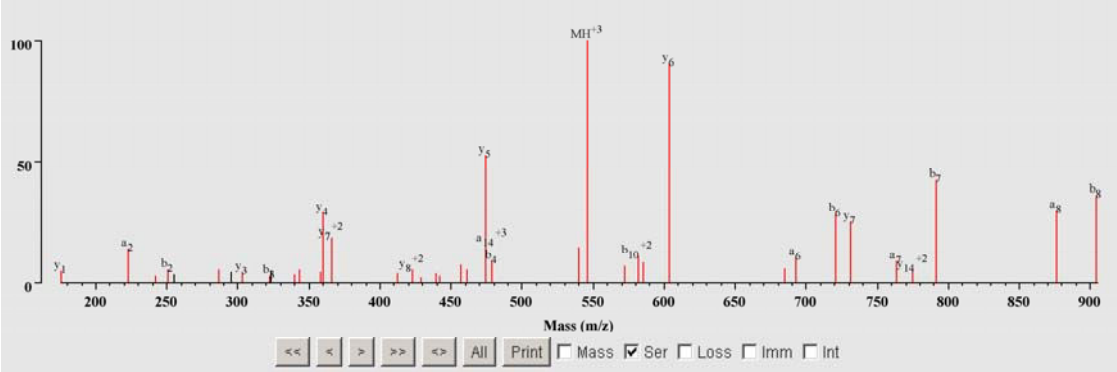
60.0505	70.0719	129.1073	136.0810	223.1124	233.1303	251.1070	261.1221	288.2045	310.1602
S(102)	R(97) P(97)		Y(39) y_2-NH_3^{+2}(-80)	YS-28(21) a_2(21) HL-28(-192)	YS-H_2O(164) b_2-H_2O(164) PY-28(7.9)	YS(17) b_2(17) b_4^{+2}(-77) HL(-172)	PY(-4.9)	y_2(5.1)	y_5^{+2}(14)
335.1829	**388.1623**	**402.7034**	**416.7078**	**417.2374**	**431.2070**	**440.2122**	**460.2160**	**478.2311**	**484.2339**
b_6^{+2}(34)	b_3(1.9)	a_7^{+2}(-5.4)	b_7^{+2}(11)	SDEL-28(94) y_3(-20) LAPY-28(-29)	y_7-H_2O^{+2}(-3.9)	y_7^{+2}(-4.0)	b_8^{+2}(-6.6)	MH-H_2O^{+3}(-4.7)	MH^{+3}(-6.2)
501.2284	**504.2548**	**506.2036**	**508.7174**	**513.2233**	**517.7190**	**524.6379**	**532.2729**	**542.2772**	**544.2826**
b_4(-34)	LAPYS-28(-53)	APYSD-28(-41)	b_9-H_2O^{+2}(-19)		b_9^{+2}(-26)		y_4(0.65) y_9^{+2}(-3.1) LAPYS(-6.9)		a_5(-9.6)
554.2648	**556.2610**	**572.2803**	**584.2433**	**601.2866**	**619.3166**	**669.3265**	**690.3028**	**782.3395**	**832.3497**
b_5-H_2O(-13) HLAPY-28(-79) YHLAP-28(-79)		b_5(-4.2)		y_5-H_2O(-12)	y_5(19) LAPYSD-28(13)	HLAPYS(-13) b_6(-13)		y_6(-36)	YHLAPYS(-59) b_7(-59)

[–] **Main Sequence Ions**

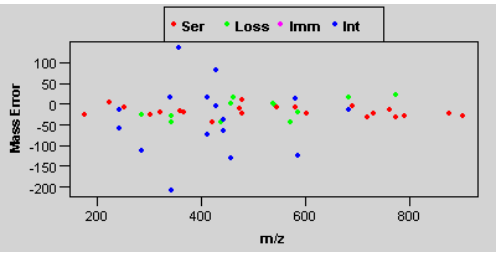
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1363.6641	682.3357
388.1615	194.5844	3	H	10	1200.6008	600.8040
501.2456	251.1264	4	L	9	1063.5419	532.2746
572.2827	286.6450	5	A	8	950.4578	475.7325
669.3355	335.1714	6	P	7	879.4207	440.2140
832.3988	416.7030	7	Y	6	782.3679	391.6876
919.4308	460.2191	8	S	5	619.3046	310.1559
1034.4578	517.7325	9	D	4	532.2726	266.6399
1163.5004	582.2538	10	E	3	417.2456	209.1264
1276.5844	638.7959	11	L	2	288.2030	144.6051
---	---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYARLEALKENGGAR^{+3}



Max Intensity: **11.9**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **98.0%** Matched Series Intensity: **97.6%**



Sequence SYARLEALKENGGAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H116 N23 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1635.8313	1634.8609	818.4194	817.9341	545.9487	545.6251

[–] **Peak Matches**

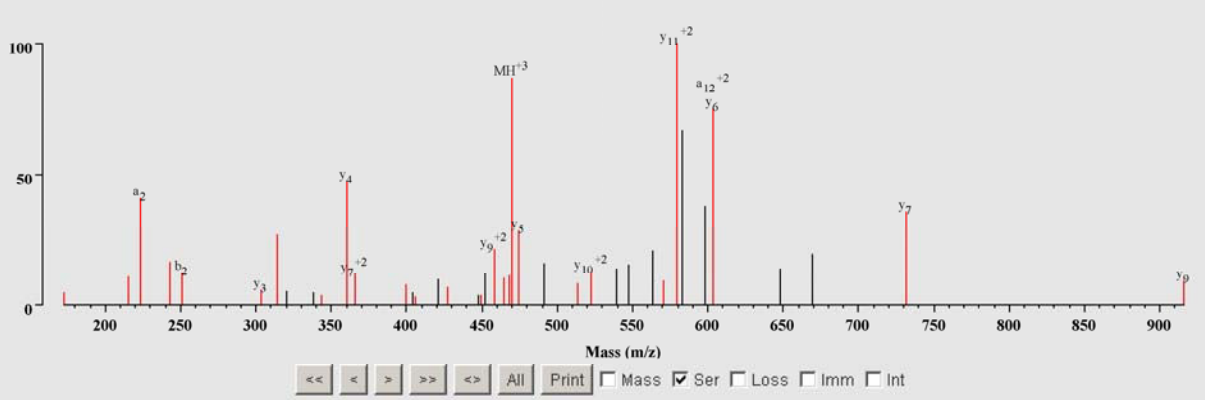
175.1146	223.1089	242.1832	251.1003	255.0900	286.1434	295.1020	303.1695	322.1332	323.1072
y_1(-25)	a_2(5.3)	LK(-13) RL-28(-59)	b_2(-9.3)		y_3-NH_3(-26) LEA-28(-114) EAL-28(-114)		y_3(-26)	b_3(-20)	
340.1310	**343.1624**	**358.1844**	**360.1932**	**366.1863**	**412.1524**	**422.7171**	**429.2075**	**439.2074**	**442.2491**
ENGG-H_2O(17)	y_4-NH_3(-29) y_{10}-NH_3^{+3}(-43) LKE-28(-209)	ENGG(136)	y_4(-16)	y_7^{+2}(-19)	ENGGA-NH_3(15) KENG-NH_3(-73)	y_8^{+2}(-43)	ENGGA(81) KENG(-4.0)	b_{12}-NH_3^{+3}(-43)	ALKE(-38) EALK(-38) RLEA-28(-64) ARLE-28(-64)
457.2164	**461.2217**	**474.2364**	**478.2450**	**539.6228**	**539.9482**	**545.6212**	**572.2870**	**581.3125**	**585.2620**
y_5-NH_3(2.2) LKEN-28(-132)	b_4-NH_3(16)	y_5(-12)	b_4(8.7) a_{14}^{+3}(-24)	MH-H_2O^{+3}(2.2)	MH-NH_3^{+3}(-2.7)	MH^{+3}(-7.2)	b_{10}-H_2O^{+2}(-43)	LKENGG-H_2O(14) b_{10}^{+2}(-7.3)	y_6-H_2O(-20) ALKENG-28(-126)
603.2700	**684.3834**	**692.3686**	**720.3437**	**731.3633**	**763.3987**	**774.3940**	**791.3826**	**876.4737**	**904.4620**
y_6(-24)	y_{13}-NH_3^{+2}(15) LEALKE(-14)	a_6(-5.8)	b_6(-33)	y_7(-22)	a_7(-14)	b_7-NH_3(21) y_{14}^{+2}(-31)	b_7(-28)	a_8(-23)	b_8(-30)

[–] **Main Sequence Ions**

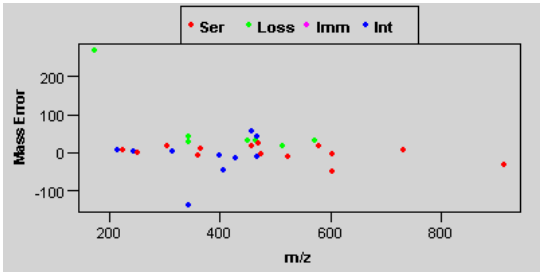
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1547.8289	774.4181
322.1397	---	3	**A**	13	1384.7655	692.8864
478.2409	239.6241	4	**R**	12	1313.7284	657.3678
591.3249	296.1661	5	**L**	11	1157.6273	579.3173
720.3675	360.6874	6	**E**	10	1044.5432	522.7753
791.4046	396.2060	7	**A**	9	915.5007	458.2540
904.4887	452.7480	8	**L**	8	844.4635	422.7354
1032.5837	516.7955	9	**K**	7	731.3795	366.1934
1161.6262	581.3168	10	**E**	6	603.2845	302.1459
1275.6692	638.3382	11	**N**	5	474.2419	237.6246
1332.6906	666.8490	12	**G**	4	360.1990	180.6031
1389.7121	695.3597	13	**G**	3	303.1775	152.0924
1460.7492	730.8782	14	**A**	2	246.1561	123.5817
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLEALKENGGAR^{+3}



Max Intensity: **22.9**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **71.4%** Matched Series Intensity: **67.8%**



Sequence SYLEALKENGGAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H99 N18 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1408.5634	1407.7227	704.7854	704.3650	470.1927	469.9124

[–] **Peak Matches**

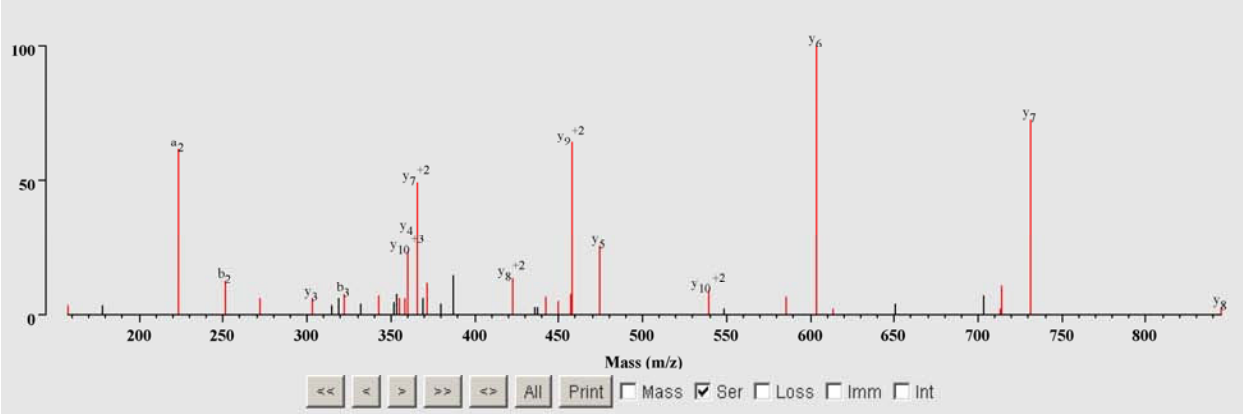
172.1360	215.1404	223.1096	243.1351	251.1027	303.1826	314.1726	320.1245	338.1289	343.1867
y_4-NH_3^{+2}(268)	LE-28(6.4)	a_2(8.4)	LE(4.8)	b_2(0.27)	y_3(17)	LEA(4.9) EAL(4.9)			y_4-NH_3(42) y_{10}-NH_3^{+3}(28) LKE-28(-138)
360.1963	**366.1967**	**399.2568**	**403.7270**	**406.1783**	**420.5744**	**427.2490**	**447.7442**	**449.7542**	**452.2579**
y_4(-7.4)	y_7^{+2}(9.1)	LEAL-28(-8.5)		YLE(-47)		LEAL(-14)		y_9-NH_3^{+2}(30)	
458.2620	**464.2507**	**468.2401**	**469.9232**	**474.2404**	**491.2472**	**513.7784**	**522.7697**	**539.7934**	**547.7901**
KENGG-28(57) y_9^{+2}(18)	MH-NH_3^{+3}(30)	KENGG-H_2O(43) LKEN-NH_3(-11)	MH^{+3}(23)	y_5(-3.2)		y_{10}-H_2O^{+2}(16)	y_{10}^{+2}(-11)		
563.3082	**570.8209**	**579.3265**	**583.3054**	**598.3285**	**603.2818**	**647.8257**	**669.3561**	**731.3850**	**915.4710**
	y_{11}-NH_3^{+2}(30)	y_{11}^{+2}(16)			y_6(-4.5) a_{12}^{+2}(-50)			y_7(7.6)	y_9(-32)

[–] **Main Sequence Ions**

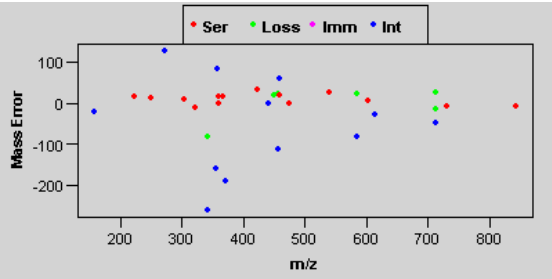
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1320.6906	660.8490
364.1867	---	3	**L**	11	1157.6273	579.3173
493.2293	---	4	**E**	10	1044.5432	522.7753
564.2664	---	5	**A**	9	915.5007	458.2540
677.3505	---	6	**L**	8	844.4635	422.7354
805.4454	403.2264	7	**K**	7	731.3795	366.1934
934.4880	467.7477	8	**E**	6	603.2845	302.1459
1048.5310	524.7691	9	**N**	5	474.2419	237.6246
1105.5524	553.2798	10	**G**	4	360.1990	180.6031
1162.5739	581.7906	11	**G**	3	303.1775	152.0924
1233.6110	617.3091	12	**A**	2	246.1561	123.5817
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALKENGGAR^{+3}



Max Intensity: **25.3**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **88.1%** Matched Series Intensity: **88.0%**



Sequence SYALKENGGAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C49 H81 N16 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1166.2867	1165.5960	583.6471	583.3016	389.4338	389.2035

[–] **Peak Matches**

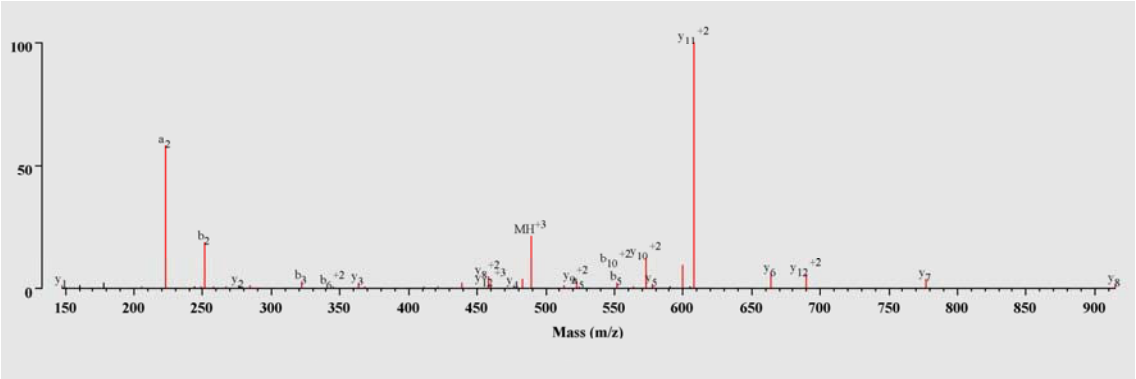
157.1303	178.0866	223.1110	251.1057	272.1699	303.1805	315.1414	319.1734	322.1365	332.0715
AL-28(-21)		a_2(15)	b_2(12)	NGGA-28(127)	y_3(9.7)			b_3(-10)	
343.1443	**352.1197**	**353.0955**	**355.1046**	**358.1651**	**360.1989**	**366.1993**	**369.1855**	**371.1586**	**380.0567**
y_4-NH_3(-82) LKE-28(-261)			KEN-NH_3(-159)	ENGG(82)	y_{10}^{+3}(17) y_4(-0.26)	y_7^{+2}(16)		LKE(-189)	
387.2295	**422.7493**	**435.7288**	**437.2099**	**442.2653**	**449.7493**	**457.2252**	**458.2631**	**474.2419**	**539.8000**
	y_8^{+2}(33)			ALKE(-1.6)	y_9-NH_3^{+2}(19)	y_5-NH_3(21) LKEN-28(-113)	KENGG-28(60) y_9^{+2}(20)	y_5(-0.044)	y_{10}^{+2}(27)
548.3041	**585.2868**	**603.2888**	**613.3129**	**650.2660**	**703.2776**	**713.3589**	**714.3712**	**731.3744**	**844.4574**
	y_6-H_2O(22) ALKENG-28(-83)	y_6(7.1)	ALKENG(-29)			y_7-H_2O(-14) ALKENGGA-28(-49)	y_7-NH_3(26)	y_7(-7.0)	y_8(-7.3)

[–] **Main Sequence Ions**

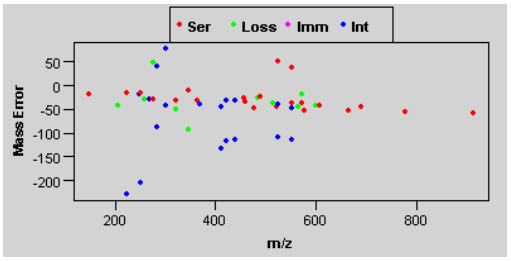
b	b^{+2}				y	y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1078.5640	539.7856
322.1397	---	3	A	9	915.5007	458.2540
435.2238	---	4	L	8	844.4635	422.7354
563.3188	282.1630	5	K	7	731.3795	366.1934
692.3614	346.6843	6	E	6	603.2845	302.1459
806.4043	403.7058	7	N	5	474.2419	237.6246
863.4258	432.2165	8	G	4	360.1990	180.6031
920.4472	460.7272	9	G	3	303.1775	152.0924
991.4843	496.2458	10	A	2	246.1561	123.5817
---	---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATEHLSTLSEK^{+3}



Max Intensity: **396**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **98.0%** Matched Series Intensity: **98.3%**



Sequence SYATEHLSTLSEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C63 H101 N16 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1466.5973	1465.7169	733.8024	733.3621	489.5374	489.2438

[–] **Peak Matches**

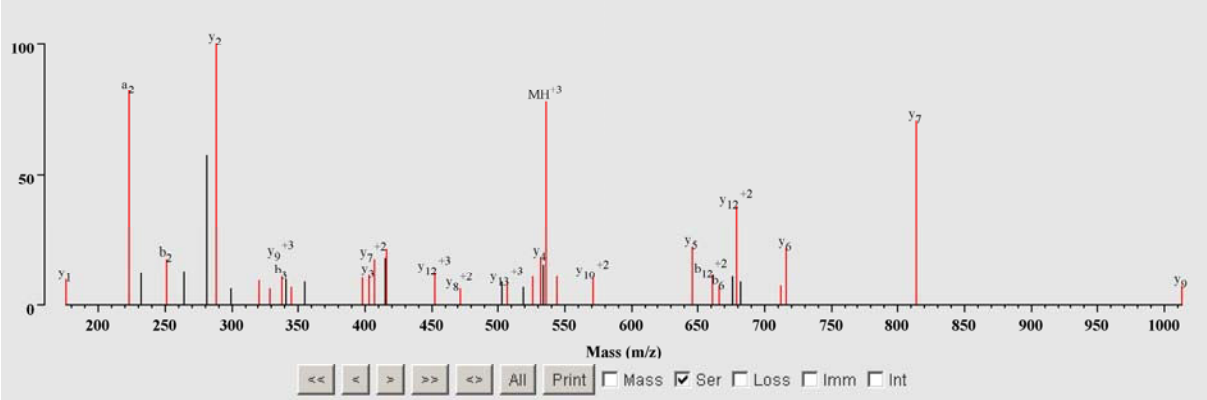
147.1100	160.0733	178.0839	205.0884	223.1042	244.1488	249.0934	251.0989	258.1374	267.1014
y_1(-19)			a_2-H_2O(-43)	a_2(-16) HL-28(-229)		EH-H_2O(-19)	b_2(-15) HL(-204)	y_2-H_2O(-29)	EH(-28)
276.1475	**284.1355**	**302.1582**	**322.1297**	**345.1449**	**363.1762**	**368.1420**	**411.1807**	**421.1698**	**439.1800**
a_3-H_2O(48) y_2(-29)	ATE-H_2O(40) STL-H_2O(-88) LST-H_2O(-88) TLS-H_2O(-88)	ATE(78) LST(-43) STL(-43) TLS(-43) LSE-28(-43)	b_3(-31) a_6-H_2O^{+2}(-49)	b_6^{+2}(-9.3) y_3-H_2O(-93)	y_3(-31)	TEH(-39)	ATEH-28(-44) HLST-28(-132)	ATEH-H_2O(-31) HLST-H_2O(-118)	ATEH(-31) HLST(-114) EHLS-28(-114)
457.7394	**460.2170**	**476.2491**	**483.2283**	**489.2321**	**513.2470**	**522.2482**	**524.2615**	**552.2514**	**563.7644**
y_8^{+2}(-25)	y_{12}^{+3}(-35)	y_4(-47)	MH-H_2O^{+3}(-25)	MH^{+3}(-24)	y_9-H_2O^{+2}(-38)	y_9^{+2}(-46)	a_5(50) ATEHL-28(-40) HLSTL-28(-110)	b_5(39) b_{10}^{+2}(-37) ATEHL(-48) HLSTL(-113)	y_{10}-H_2O^{+2}(-46)
572.7749	**577.2887**	**590.2811**	**599.2848**	**605.1582**	**608.2889**	**664.3162**	**689.8146**	**777.3914**	**914.4425**
a_{11}-H_2O^{+2}(-18) y_{10}^{+2}(-37)	y_5(-53)		y_{11}-H_2O^{+2}(-41)		y_{11}^{+2}(-42)	y_6(-53)	y_{12}^{+2}(-46)	y_7(-56)	y_8(-57)

[–] **Main Sequence Ions**

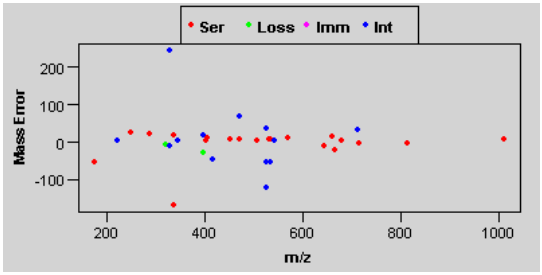
b	b^{+2}			y		y^{+2}
---	---	1	**S**	13 ---		---
251.1026	---	2	**Y**	12 1378.6849		689.8461
322.1397	---	3	**A**	11 1215.6216		608.3144
423.1874	---	4	**T**	10 1144.5844		572.7959
552.2300	---	5	**E**	9 1043.5368		522.2720
689.2889	345.1481	6	**H**	8 914.4942		457.7507
802.3730	401.6901	7	**L**	7 777.4353		389.2213
889.4050	445.2061	8	**S**	6 664.3512		332.6792
990.4527	495.7300	9	**T**	5 577.3192		289.1632
1103.5368	552.2720	10	**L**	4 476.2715		238.6394
1190.5688	595.7880	11	**S**	3 363.1874		182.0974
1319.6114	660.3093	12	**E**	2 276.1554		138.5813
---	---	13	**K**	1 147.1128		74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSEKAKPALEDLR^{+3}



Max Intensity: **25.1**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **78.4%** Matched Series Intensity: **76.2%**



Sequence: SYSEKAKPALEDLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C70 H116 N19 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1607.8149	1606.8435	804.4111	803.9254	536.6099	536.2860

[–] **Peak Matches**

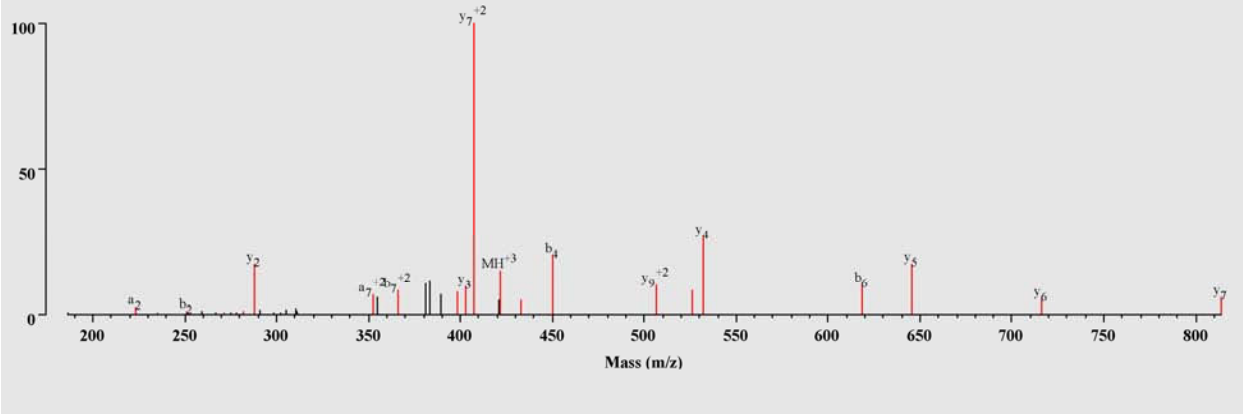
175.1096	223.1089	232.1537	251.1093	264.0319	281.0611	288.2090	299.0690	320.1219	328.2307
y_1(-53)	a_2(5.3) YS-28(5.3)		YS(27) b_2(27)			y_2(21)		b_3-H_2O(-6.9)	SEK-NH_3(245) KAK(-11)
338.1407	**341.0252**	**345.1779**	**355.0592**	**398.2106**	**403.2309**	**407.2315**	**415.0413**	**416.1946**	**452.9244**
b_3(18) y_9^{+3}(-169)		SEK(3.0)		SEKA-H_2O(18) y_7-H_2O^{+2}(-28)	y_3(2.3)	y_7^{+2}(11)		SEKA(-47)	y_{12}^{+3}(7.7)
471.2774	**503.1074**	**507.2765**	**519.1881**	**526.2699**	**532.2767**	**534.2808**	**536.2908**	**544.3111**	**570.8458**
LEDL(69) y_8^{+2}(6.4)		y_{13}^{+3}(2.3)		PALED(36) SEKAK-H_2O(-54) EKAKP-28(-123)	y_4(7.8)		MH^{+3}(8.9) EKAKP-H_2O(-53)	SEKAK(4.0)	y_{10}^{+2}(9.5)
645.3493	**660.3384**	**666.2953**	**675.8662**	**678.8802**	**681.8555**	**712.4218**	**716.3919**	**813.4424**	**1012.5869**
y_5(-11)	b_{12}^{+2}(16)	b_6(-21)		y_{12}^{+2}(3.7)		SEKAKPA(32)	y_6(-2.6)	y_7(-5.0)	y_9(8.2)

[–] **Main Sequence Ions**

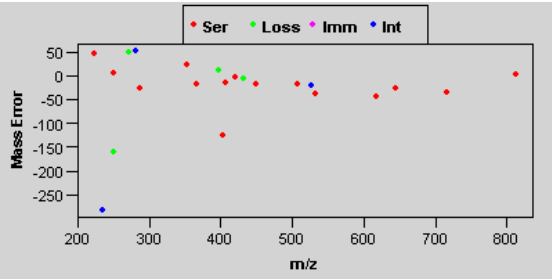
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1519.8115	760.4094
338.1347	---	3	S 12	1356.7482	678.8777
467.1773	---	4	E 11	1269.7161	635.3617
595.2722	298.1397	5	K 10	1140.6735	570.8404
666.3093	333.6583	6	A 9	1012.5786	506.7929
794.4043	397.7058	7	K 8	941.5415	471.2744
891.4571	446.2322	8	P 7	813.4465	407.2269
962.4942	481.7507	9	A 6	716.3937	358.7005
1075.5782	538.2928	10	L 5	645.3566	323.1819
1204.6208	602.8141	11	E 4	532.2726	266.6399
1319.6478	660.3275	12	D 3	403.2300	202.1186
1432.7318	716.8696	13	L 2	288.2030	144.6051
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAKPALEDLR^{+3}



Max Intensity: **8.86**
Num Matched: **21/37 (43.2% unmatched)** Matched Intensity: **84.5%** Matched Series Intensity: **83.7%**



Sequence SYAKPALEDLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C56 H92 N15 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1263.4448	1262.6739	632.2261	631.8406	421.8199	421.5628

[–] **Peak Matches**

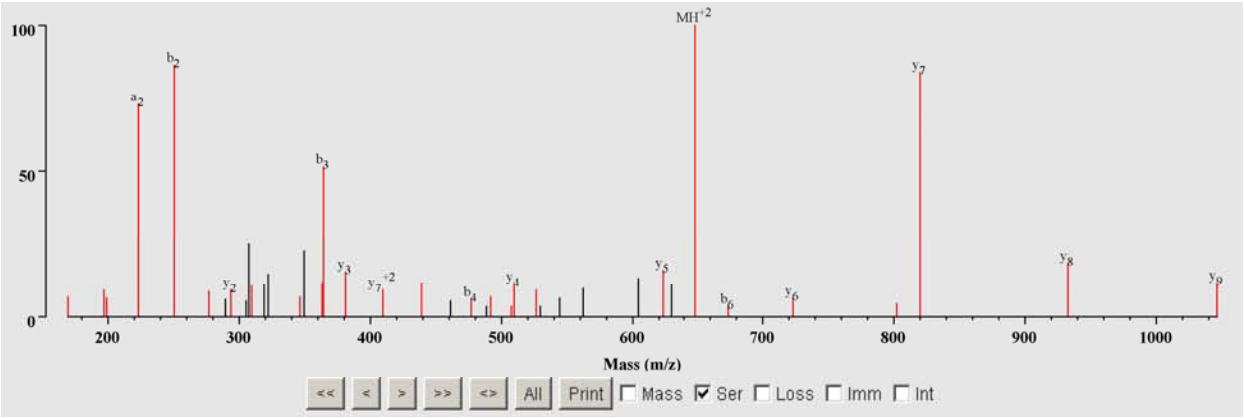
186.1238	**223.1177**	**235.0412**	**251.1039**	**259.0601**	**267.0414**	**271.1897**	**275.2820**	**278.0524**	**282.1960**
	a_2(45)	YA(-283)	b_2(5.0) a_5-H_2O^{+2}(-162)			y_2-NH_3(49)			PAL(52)
288.1950	**291.0140**	**298.1527**	**302.0036**	**305.1762**	**310.1727**	**311.3455**	**352.2184**	**355.0677**	**366.2010**
y_2(-28)							a_7^{+2}(22)		b_7^{+2}(-19)
381.0855	**383.0852**	**389.1864**	**398.2263**	**403.1789**	**407.2207**	**421.1977**	**421.5610**	**433.2056**	**450.2267**
			y_7-H_2O^{+2}(12)	y_3(-127)	y_7^{+2}(-15)		MH^{+3}(-4.3)	b_4-NH_3(-5.9)	b_4(-18)
506.7839	**526.2394**	**532.2527**	**618.2977**	**645.3384**	**716.3685**	**813.4482**			
y_9^{+2}(-18)	PALED(-22)	y_4(-37)	b_6(-43)	y_5(-28)	y_6(-35)	y_7(2.1)			

[–] **Main Sequence Ions**

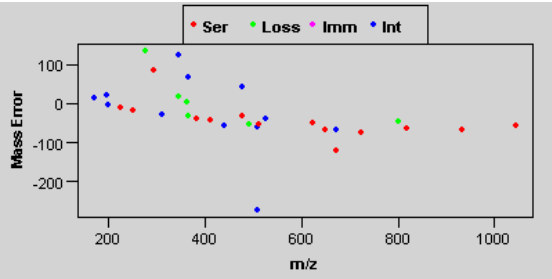
b	b^{+2}			y	y^{+2}
---	---	1	**S** 11	---	---
251.1026	---	2	**Y** 10	1175.6419	588.3246
322.1397	---	3	**A** 9	1012.5786	506.7929
450.2347	225.6210	4	**K** 8	941.5415	471.2744
547.2875	274.1474	5	**P** 7	813.4465	407.2269
618.3246	309.6659	6	**A** 6	716.3937	358.7005
731.4087	366.2080	7	**L** 5	645.3566	323.1819
860.4512	430.7293	8	**E** 4	532.2726	266.6399
975.4782	488.2427	9	**D** 3	403.2300	202.1186
1088.5623	544.7848	10	**L** 2	288.2030	144.6051
---	---	11	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLLPVLESFK^{+2}



Max Intensity: **33.7**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **81.3%** Matched Series Intensity: **78.2%**



Sequence: SYLLPVLESFK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H99 N12 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1296.5588	1295.7246	648.7831	648.3659

[–] Peak Matches

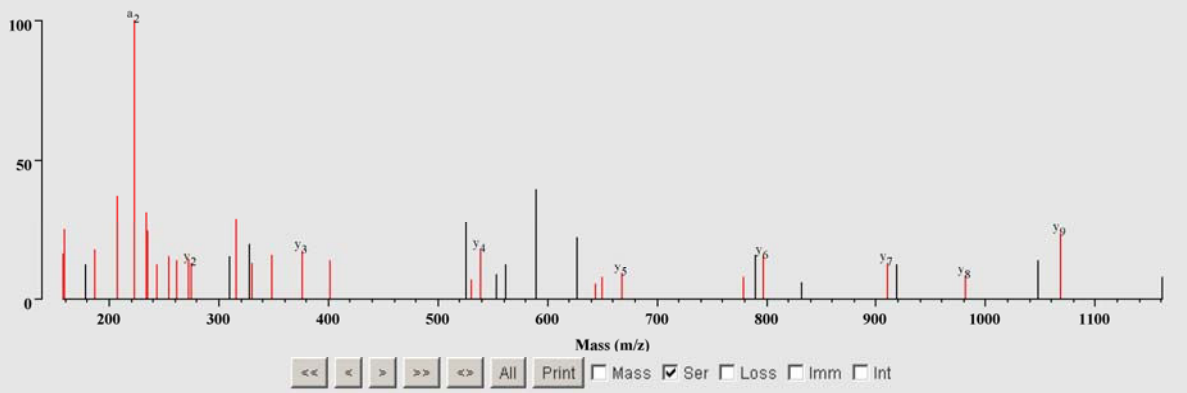
169.1360	197.1325	199.1800	223.1055	251.0976	277.1918	290.1992	294.2062	305.2119	307.2290
PV-28(15)	PV(21)	LL-28(-2.5)	a_2(-9.9)	b_2(-20)	YL(134) y_2-NH_3(134)		y_2(85)		
310.2036	**319.1697**	**322.1913**	**346.1823**	**350.2138**	**363.2037**	**364.1746**	**381.1986**	**410.2163**	**439.2306**
PVL(-29) LPV(-29)			ESF-H_2O(123) b_3-H_2O(18)		y_3-H_2O(2.8)	ESF(67) b_3(-33) y_3-NH_3(-33)	y_3(-38)	y_7^{+2}(-44)	PVLE(-56)
461.2084	**477.2548**	**489.2310**	**492.2184**	**508.2467**	**510.2285**	**526.2672**	**530.2541**	**544.2770**	**562.2914**
	LESF(43) b_4(-33)		y_4-H_2O(-55)	PVLES-H_2O(-59) LLPVL-28(-273)	y_4(-54)	PVLES(-38)			
604.2791	**623.3093**	**630.3485**	**648.3231**	**673.3107**	**722.3539**	**801.4118**	**819.4076**	**932.4827**	**1045.5683**
	y_5(-49)		MH^{+2}(-66)	PVLESF(-67) b_6(-121)	y_6(-75)	y_7-H_2O(-48)	y_7(-65)	y_8(-67)	y_9(-58)

[–] Main Sequence Ions

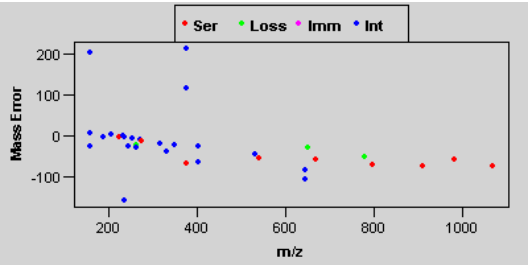
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1208.6925	604.8499
364.1867	3	L	9	1045.6292	523.3182
477.2708	4	L	8	932.5451	466.7762
574.3235	5	P	7	819.4611	410.2342
673.3919	6	V	6	722.4083	361.7078
786.4760	7	L	5	623.3399	312.1736
915.5186	8	E	4	510.2558	255.6316
1002.5506	9	S	3	381.2132	191.1103
1149.6190	10	F	2	294.1812	147.5942
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVSFLSALEEYTKK^{+3}



Max Intensity: **56.7**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **71.0%** Matched Series Intensity: **69.3%**



Sequence SYVSFLSALEEYTKK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C82 H126 N17 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1766.0132	1764.9054	883.5103	882.9564	589.3427	588.9733

[–] **Peak Matches**

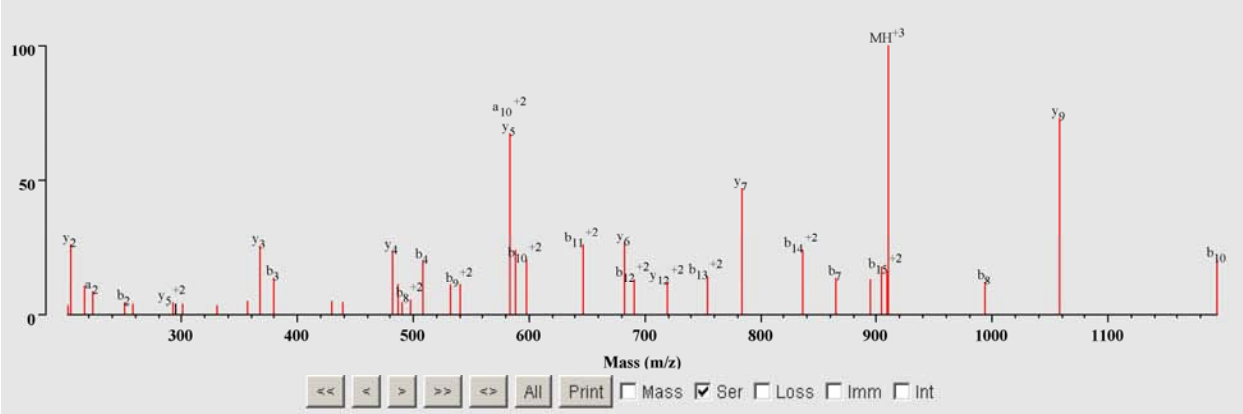
157.1343	159.1085	178.0856	187.1067	207.1134	223.1069	233.1648	235.1067	243.1271	254.1479
AL-28(4.8)	SA(202) VS-28(-27)		VS(-5.4)	SF-28(2.9)	a_2(-3.7)	FL-28(-0.17)	SF(-4.3) YV-28(-159)	LE(-28)	SAL-H_2O(-7.9) LSA-H_2O(-7.9)
261.1520	**272.1573**	**275.2039**	**309.1977**	**316.1589**	**327.2184**	**330.1677**	**348.1837**	**376.2299**	**401.1928**
y_4-H_2O^{+2}(-22) FL(-30)	SAL(-12) LSA(-12)	y_2(-14)		VSF-H_2O(-21)		FLS-H_2O(-41) SFL-H_2O(-41)	FLS(-23) SFL(-23)	EYT-H_2O(212) YTK-NH_3(115) y_3(-68)	SALE(-26) FLSA-H_2O(-64)
525.2756	**530.2214**	**539.2879**	**553.2754**	**562.2869**	**589.2872**	**626.3182**	**643.2752**	**650.3319**	**668.3229**
	SALEE(-46)	y_4(-57)					LSALEE(-85) FLSALE-H_2O(-108)	y_5-H_2O(-29)	y_5(-58)
779.3539	**789.3616**	**797.3475**	**831.3866**	**910.4210**	**918.3993**	**981.4677**	**1047.4327**	**1068.4774**	**1160.4999**
y_6-H_2O(-51)		y_6(-71)		y_7(-74)		y_8(-59)		y_9(-75)	

[–] **Main Sequence Ions**

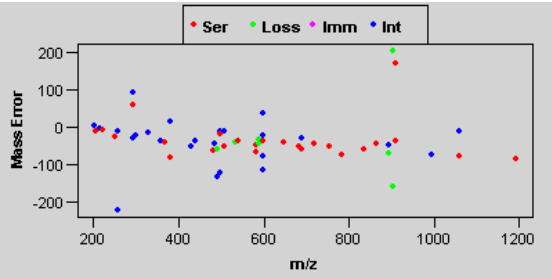
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1677.8734	839.4403
350.1710	---	3	**V**	13	1514.8101	757.9087
437.2031	---	4	**S**	12	1415.7417	708.3745
584.2715	---	5	**F**	11	1328.7096	664.8585
697.3556	---	6	**L**	10	1181.6412	591.3243
784.3876	---	7	**S**	9	1068.5572	534.7822
855.4247	---	8	**A**	8	981.5251	491.2662
968.5088	---	9	**L**	7	910.4880	455.7477
1097.5514	---	10	**E**	6	797.4040	399.2056
1226.5939	---	11	**E**	5	668.3614	334.6843
1389.6573	---	12	**Y**	4	539.3188	270.1630
1490.7050	---	13	**T**	3	376.2554	188.6314
1618.7999	809.9036	14	**K**	2	275.2078	138.1075
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKEPC(Carbamidomethyl)VESLVSQYFQTVTDYGK^{+3}



Max Intensity: **108**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.5%** Matched Series Intensity: **99.4%**



Sequence: SYKEPC(Carbamidomethyl)VESLVSQYFQTVTDYGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C122 H183 N28 O41 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2729.8758	2728.2811	1365.4416	1364.6442	910.6302	910.0985

[–] Peak Matches

201.1240	204.1320	216.0966	223.1055	251.0961	258.0871	292.1564	294.2354	300.1853	330.1608
SL(3.1) VE-28(3.1) TV(3.1) VT(3.1)	y_2(-11)	SQ(-5.9)	a_2(-9.9)	DY-28(-26) b_2(-26)	PC(Carbamidomethyl)(-14) KE(-224)	QY(93) y_5^{+2}(57) YK(-31)		SLV(-22) LVS(-22)	ESL(-16)
357.1458	**367.1823**	**379.1670**	**429.2111**	**439.1810**	**482.1941**	**486.1798**	**490.2007**	**497.2111**	**508.2126**
PC(Carbamidomethyl)V(-37)	y_3(-42)	SQY(15) b_3(-81)	VESL(-54) ESLV(-54)	QYF(-38) YFQ(-38)	y_4(-63)	PC(Carbamidomethyl)VE(-45) EPC(Carbamidomethyl)V(-45)	b_4-H_2O(-59) YKEP-28(-133)	KEPC(Carbamidomethyl)-H_2O(-13) b_8^{+2}(-20) SLVSQ-H_2O(-122)	SQYF-H_2O(-13) VTDYG-28(-54) b_4(-54)
531.7086	**540.7151**	**583.2426**	**588.2470**	**597.2556**	**646.7854**	**682.3035**	**690.2888**	**718.8051**	**754.3176**
b_9-H_2O^{+2}(-43)	b_9^{+2}(-40)	y_5(-51) a_{10}^{+2}(-67)	b_5-NH_3(-33) b_{10}-H_2O^{+2}(-45)	EPC(Carbamidomethyl)VE-H_2O(37) KEPC(Carbamidomethyl)V-NH_3(-24) b_{10}^{+2}(-39) VSQYF-28(-80) VESLVS-H_2O(-115)	b_{11}^{+2}(-43)	y_6(-54)	QTVTDY-H_2O(-30) b_{12}^{+2}(-59)	y_{12}^{+2}(-46)	b_{13}^{+2}(-54)
783.3297	**835.8403**	**864.3540**	**894.3565**	**904.2789**	**909.3905**	**910.2534**	**993.3596**	**1058.4322**	**1193.4491**
y_7(-75)	b_{14}^{+2}(-60)	b_7(-44)	FQTVTDYG-H_2O(-48) y_8-NH_3(-71)	MH-H_2O^{+3}(203) MH-NH_3^{+3}(-159)	b_{15}^{+2}(-37)	MH^{+3}(170)	b_8(-76) YKEPC(Carbamidomethyl)VES(-76)	YFQTVTDYG-NH_3(-14) y_9(-79)	b_{10}(-85)

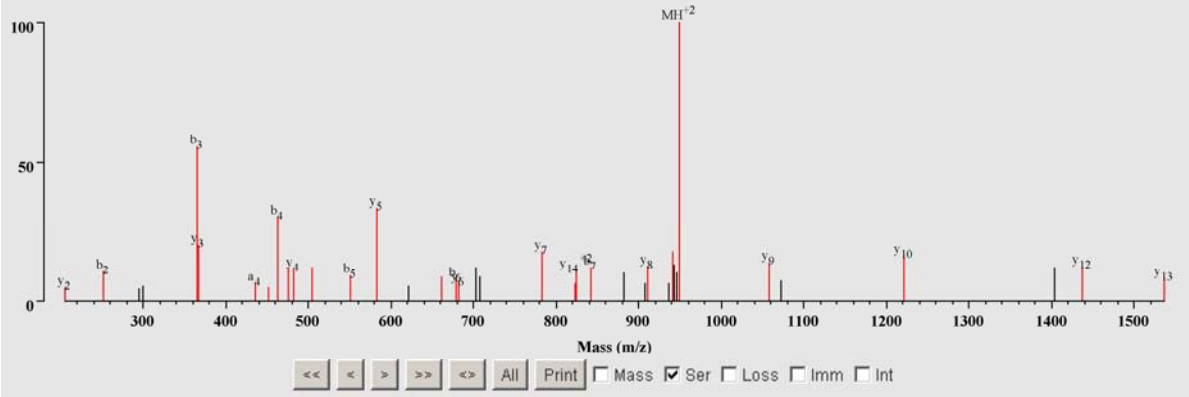
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	23	---	---
251.1026	---	2	Y	22	2641.2490	1321.1282
379.1976	190.1024	3	K	21	2478.1857	1239.5965
508.2402	254.6237	4	E	20	2350.0908	1175.5490
605.2930	303.1501	5	P	19	2221.0482	1111.0277
765.3236	383.1654	6	C(Carbamidomethyl)	18	2123.9954	1062.5013
864.3920	432.6996	7	V	17	1963.9647	982.4860
993.4346	497.2209	8	E	16	1864.8963	932.9518
1080.4666	540.7370	9	S	15	1735.8537	868.4305
1193.5507	597.2790	10	L	14	1648.8217	824.9145

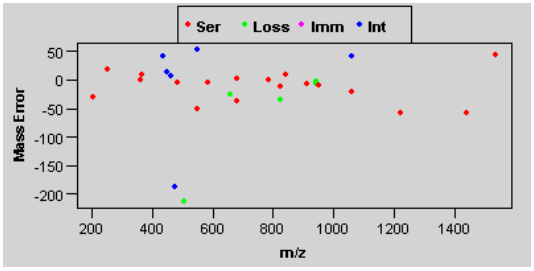
1292.6191	646.8132	11	**V**	13	1535.7377	768.3725
1379.6511	690.3292	12	**S**	12	1436.6692	718.8383
1507.7097	754.3585	13	**Q**	11	1349.6372	675.3222
1670.7730	835.8902	14	**Y**	10	1221.5786	611.2930
1817.8415	909.4244	15	**F**	9	1058.5153	529.7613
1945.9000	973.4537	16	**Q**	8	911.4469	456.2271
2046.9477	1023.9775	17	**T**	7	783.3883	392.1978
2146.0161	1073.5117	18	**V**	6	682.3406	341.6740
2247.0638	1124.0355	19	**T**	5	583.2722	292.1397
2362.0908	1181.5490	20	**D**	4	482.2245	241.6159
2525.1541	1263.0807	21	**Y**	3	367.1976	184.1024
2582.1755	1291.5914	22	**G**	2	204.1343	102.5708
---	---	23	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLVSQYFQTVTDYGK^{+2}



Max Intensity: **8.07**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **80.3%** Matched Series Intensity: **74.9%**



Sequence: SYLVSQYFQTVTDYGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C88 H128 N19 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1900.1080	1898.9171	950.5577	949.9622

[–] Peak Matches

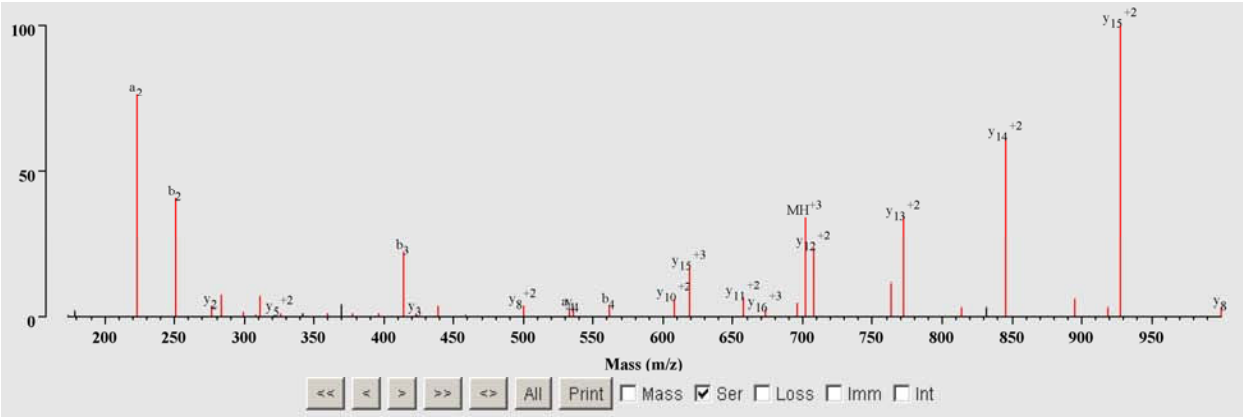
204.1279	251.1073	294.1624	300.0902	364.1862	367.2012	435.2786	451.2248	463.2587	476.1610
y_2(-31)	DY-28(19) b_2(19)			b_3(-1.4)	y_3(9.8)	a_4(42) YLVS-28(42)	VTDY-28(13)	b_4(7.7) YLVS(7.7)	FQTV(-188)
482.2223	**504.1744**	**550.2590**	**583.2697**	**620.3751**	**660.3186**	**678.3203**	**682.3412**	**702.2778**	**707.3653**
y_4(-4.6)	a_5-H_2O(-213)	QYFQ-NH_3(53) b_5(-51)	y_5(-4.3)		b_6-H_2O(-25)	b_6(-37)	y_6(0.83)		
783.3872	**823.3687**	**824.9036**	**841.4176**	**881.4420**	**907.4339**	**911.4407**	**935.7767**	**940.9541**	**941.4419**
y_7(-1.4)	b_7-H_2O(-36)	y_{14}^{+2}(-13)	b_7(10)			y_8(-6.8)		MH-H_2O^{+2}(-3.0)	MH-NH_3^{+2}(-7.4)
942.8942	**946.0759**	**949.0122**	**949.9541**	**1058.4915**	**1073.1634**	**1221.5073**	**1403.5225**	**1436.5869**	**1535.8046**
			MH^{+2}(-8.5)	YFQTVTDYG-NH_3(42) y_9(-22)		y_{10}(-58)		y_{12}(-57)	y_{13}(44)

[–] Main Sequence Ions

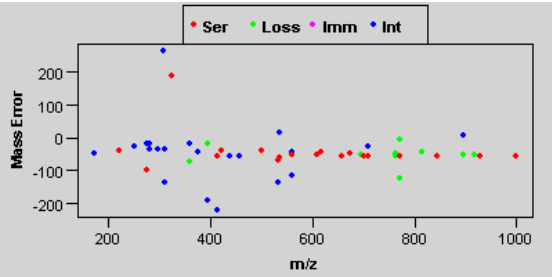
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1811.8850	906.4462
364.1867	3	L	1648.8217	824.9145
463.2551	4	V	1535.7377	768.3725
550.2871	5	S	1436.6692	718.8383
678.3457	6	Q	1349.6372	675.3222
841.4090	7	Y	1221.5786	611.2930
988.4775	8	F	1058.5153	529.7613
1116.5360	9	Q	911.4469	456.2271
1217.5837	10	T	783.3883	392.1978
1316.6521	11	V	682.3406	341.6740
1417.6998	12	T	583.2722	292.1397
1532.7268	13	D	482.2245	241.6159
1695.7901	14	Y	367.1976	184.1024
1752.8115	15	G	204.1343	102.5708
---	16	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYFQTVTDYGKDLM(Oxidation)EK^{+3}



Max Intensity: **193**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.0%** Matched Series Intensity: **97.8%**



Sequence: SYYFQTVTDYGKDLM(Oxidation)EK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C95 H139 N20 O32 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2105.1803	2103.9579	1053.0939	1052.4826	702.3984	701.9908

[–] Peak Matches

173.1203	178.0801	223.0985	251.0959	276.1287	283.1345	299.1290	308.2058	311.1285	326.2158
VT-28(-47) TV-28(-47)		a_2(-41)	b_2(-27) DY-28(-27)	FQ(-20) y_2(-97)	GKD-H_2O(-20) YF-28(-34)	YY-28(-33)	DYG-28(265)	YF(-34) QTV-H_2O(-138)	y_5^{+2}(188)
342.1992	**359.1654**	**369.1232**	**377.1650**	**396.1487**	**414.1433**	**423.1746**	**439.1721**	**458.2133**	**500.2242**
	FQT-H_2O(-17) y_3-$SOCH_4$(-75)		FQT(-45)	b_3-H_2O(-17) GKDL-H_2O(-190)	b_3(-55) GKDL(-221)	y_3(-38)	YFQ(-58)	FQTV-H_2O(-58)	y_8^{+2}(-40)
533.2031	**536.2428**	**561.2056**	**608.2492**	**618.6000**	**657.7805**	**672.9473**	**695.9528**	**701.9501**	**708.3006**
a_4(-68) GKDLM(Oxidation)-28(-135)	VTDYG(14) y_4(-60)	DYGKD-H_2O(-44) b_4(-51) GKDLM(Oxidation)(-115)	y_{10}^{+2}(-53)	y_{15}^{+3}(-42)	y_{11}^{+2}(-54)	y_{16}^{+3}(-49)	MH-H_2O^{+3}(-50)	MH^{+3}(-58)	QTVTDY(-27) y_{12}^{+2}(-55)
763.3203	**763.8198**	**772.3255**	**813.8672**	**831.3472**	**845.8558**	**895.3885**	**918.3818**	**927.3835**	**999.4238**
y_{13}-H_2O^{+2}(-57)	y_{13}-NH_3^{+2}(-47)	b_6-H_2O(-5.9) y_{13}^{+2}(-56) y_7-$SOCH_4$(-122)	y_{14}-$SOCH_4^{+2}$(-45)		y_{14}^{+2}(-56)	FQTVTDYG-NH_3(5.9) y_{15}-$SOCH_4^{+2}$(-53)	y_{15}-H_2O^{+2}(-52)	y_{15}^{+2}(-55)	y_8(-58)

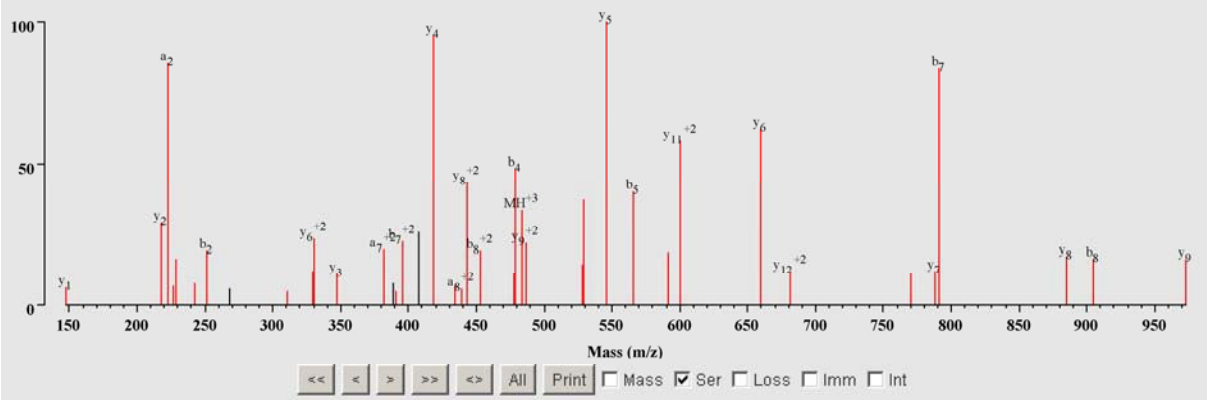
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	2016.9259	1008.9666
414.1660	---	3	Y	15	1853.8626	927.4349
561.2344	---	4	F	14	1690.7993	845.9033
689.2930	---	5	Q	13	1543.7309	772.3691
790.3406	---	6	T	12	1415.6723	708.3398
889.4090	---	7	V	11	1314.6246	657.8159
990.4567	---	8	T	10	1215.5562	608.2817
1105.4837	---	9	D	9	1114.5085	557.7579
1268.5470	---	10	Y	8	999.4816	500.2444
1325.5685	---	11	G	7	836.4182	418.7128
1453.6634	727.3353	12	K	6	779.3968	390.2020
1568.6904	784.8488	13	D	5	651.3018	326.1545
1681.7744	841.3909	14	L	4	536.2749	268.6411
1828.8098	914.9086	15	M(Oxidation)	3	423.1908	212.0990

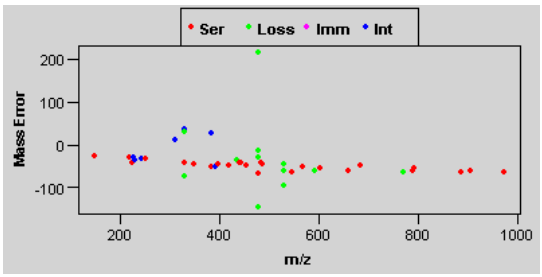
1957.8524	979.4298	16	**E**	2	276.1554	138.5813
---	---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVKSPELQAEAK^{+3}



Max Intensity: **80.4**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **96.4%** Matched Series Intensity: **96.1%**



Sequence SYVKSPELQAEAK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C64 H105 N16 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1450.6416	1449.7584	725.8245	725.3828	484.2188	483.9243

[–] **Peak Matches**

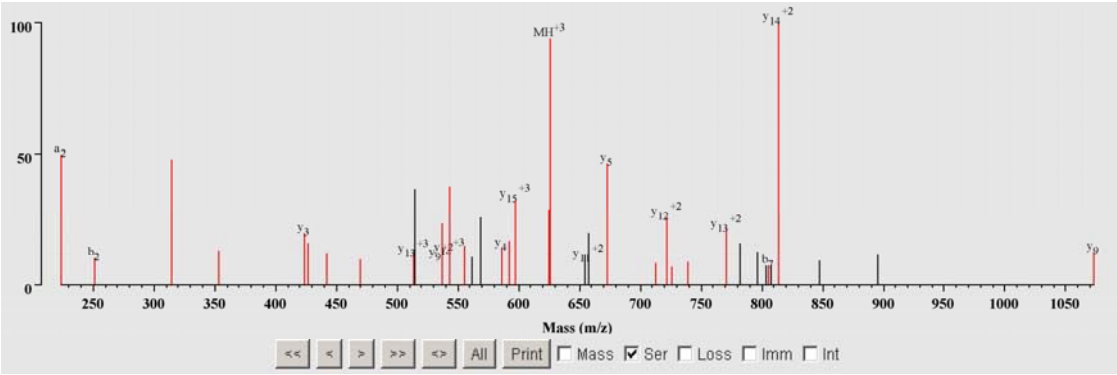
147.1089	218.1435	223.0985	227.0955	228.1621	242.1418	251.0944	268.1030	311.1385	329.1572
y_1(-27)	y_2(-29)	a_2(-41)	PE(-31)	VK(-37)	LQ(-34)	b_2(-33)		QAE-H_2O(11)	QAE(35) y_3-H_2O(-75)
330.1762	**347.1768**	**382.1826**	**389.1651**	**391.2140**	**396.1827**	**407.1721**	**418.2092**	**434.2160**	**438.7259**
y_3-NH_3(31) y_6^{+2}(-41)	y_3(-45)	QAEA-H_2O(27) a_7^{+2}(-53)		YVK(-51)	b_7^{+2}(-45)		y_4(-49)	y_8-H_2O^{+2}(-37)	a_8^{+2}(-43)
443.2193	**452.7196**	**477.8511**	**478.2338**	**483.9047**	**486.7318**	**528.2453**	**529.2376**	**546.2540**	**565.2687**
y_8^{+2}(-41)	b_8^{+2}(-50)	y_9-H_2O^{+2}(215) MH-H_2O^{+3}(-146)	y_9-NH_3^{+2}(-13) MH-NH_3^{+3}(-31) YVKS(-67) b_4(-67)	MH^{+3}(-41)	y_9^{+2}(-45)	y_5-H_2O(-61)	y_5-NH_3(-45) a_{10}-H_2O^{+2}(-94)	y_5(-63)	b_5(-52)
591.2932	**600.3023**	**659.3325**	**681.8342**	**770.3542**	**788.3673**	**791.3488**	**885.4115**	**904.4222**	**972.4363**
y_{11}-H_2O^{+2}(-62)	y_{11}^{+2}(-55)	y_6(-60)	y_{12}^{+2}(-48)	y_7-H_2O(-65)	y_7(-60)	b_7(-56)	y_8(-63)	b_8(-61)	y_9(-65)

[–] **Main Sequence Ions**

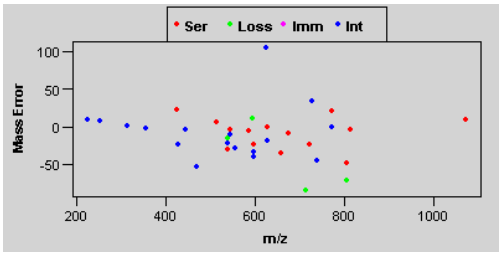
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1362.7264	681.8668
350.1710	---	3	**V**	11	1199.6630	600.3352
478.2660	239.6366	4	**K**	10	1100.5946	550.8009
565.2980	283.1527	5	**S**	9	972.4997	486.7535
662.3508	331.6790	6	**P**	8	885.4676	443.2374
791.3934	396.2003	7	**E**	7	788.4149	394.7111
904.4775	452.7424	8	**L**	6	659.3723	330.1898
1032.5360	516.7717	9	**Q**	5	546.2882	273.6477
1103.5732	552.2902	10	**A**	4	418.2296	209.6185
1232.6157	616.8115	11	**E**	3	347.1925	174.0999
1303.6529	652.3301	12	**A**	2	218.1499	109.5786
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSPELQAEAKSYFEK^{+3}



Max Intensity: **2.38**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **81.1%** Matched Series Intensity: **78.9%**



Sequence SYSPELQAEAKSYFEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C85 H126 N19 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1878.0581	1876.8963	939.5328	938.9518	626.6910	626.3036

[–] **Peak Matches**

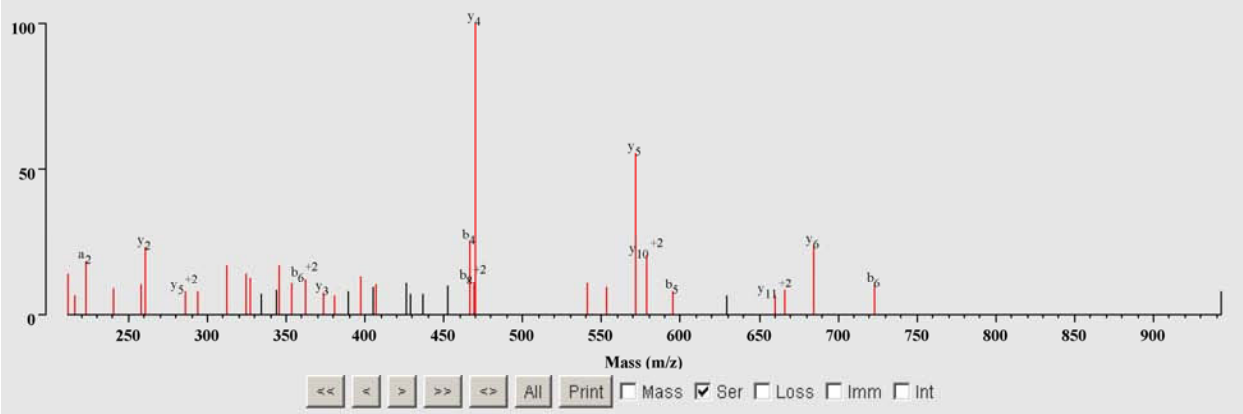
223.1099	251.1047	314.1348	353.1810	423.2331	427.2083	442.2277	469.2158	513.9306	514.2653
a_2(9.8) YS-28(9.8) SY-28(9.8)	b_2(8.2) YS(8.2) SY(8.2)	SPE(0.44)	ELQ-H_2O(-2.7)	y_3(22)	SPEL(-24)	ELQA(-4.4) LQAE(-4.4)	AEAKS-H_2O(-53)	y_{13}^{+3}(5.4)	
536.7528	**537.2550**	**542.9360**	**543.2712**	**555.2614**	**561.7697**	**568.6048**	**586.2836**	**592.2911**	**597.2788**
y_9^{+2}(-30)	y_{14}-NH_3^{+3}(-15) SPELQ-H_2O(-22)	y_{14}^{+3}(-4.6)	ELQAE-28(-11)	SPELQ(-29)			y_4(-6.0)	y_{10}-NH_3^{+2}(10)	y_{15}^{+3}(-24) QAEAKS-H_2O(-34) AKSYF(-41)
625.3486	**626.3027**	**654.4019**	**657.3176**	**657.8296**	**673.3135**	**712.7961**	**721.8448**	**726.3701**	**739.3284**
ELQAEA-NH_3(105)	MH^{+3}(-1.5) SPELQA(-19)		y_{11}^{+2}(-35)		y_5(-8.4)	y_{12}-H_2O^{+2}(-85)	y_{12}^{+2}(-23)	EAKSYF(34) AKSYFE(34)	PELQAEA(-46)
770.4038	**782.3675**	**796.3959**	**803.8727**	**805.3331**	**807.4615**	**813.9015**	**847.9259**	**895.8686**	**1072.5400**
y_{13}^{+2}(20) ELQAEAK(-0.64)				b_7(-49) y_{14}-NH_3^{+2}(-72)		y_{14}^{+2}(-3.2)			y_9(8.4)

[–] **Main Sequence Ions**

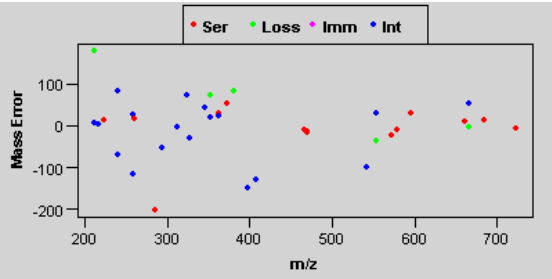
b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1789.8643	895.4358
338.1347	---	3	**S**	14	1626.8010	813.9041
435.1874	---	4	**P**	13	1539.7690	770.3881
564.2300	---	5	**E**	12	1442.7162	721.8617
677.3141	---	6	**L**	11	1313.6736	657.3404
805.3727	---	7	**Q**	10	1200.5895	600.7984
876.4098	---	8	**A**	9	1072.5310	536.7691
1005.4524	---	9	**E**	8	1001.4938	501.2506
1076.4895	---	10	**A**	7	872.4512	436.7293
1204.5844	602.7959	11	**K**	6	801.4141	401.2107
1291.6165	646.3119	12	**S**	5	673.3192	337.1632
1454.6798	727.8435	13	**Y**	4	586.2871	293.6472
1601.7482	801.3777	14	**F**	3	423.2238	212.1155
1730.7908	865.8990	15	**E**	2	276.1554	138.5813
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSKEQLTPLIK^{+3}



Max Intensity: **2.36**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **86.3%** Matched Series Intensity: **86.3%**



Sequence: SYSKEQLTPLIK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C64 H108 N15 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1407.6600	1406.7890	704.3337	703.8981	469.8916	469.6012

[–] Peak Matches

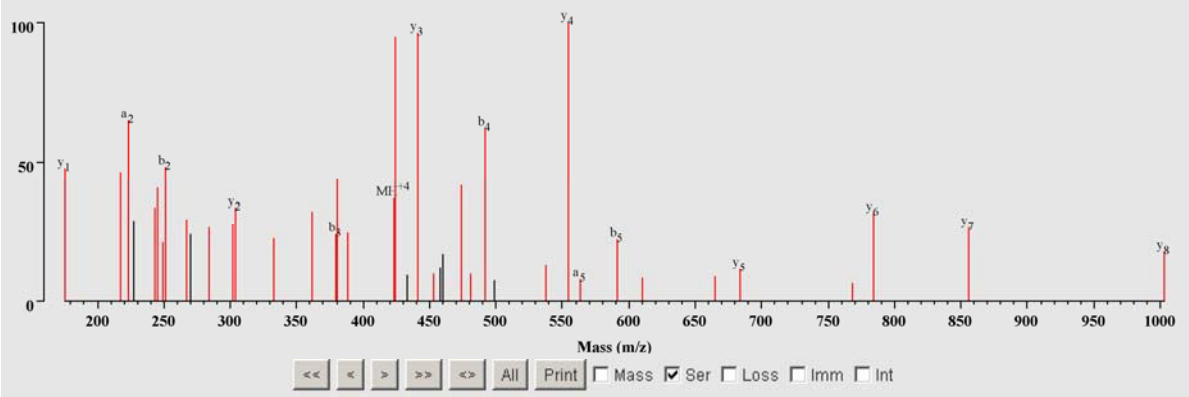
211.1454	216.1348	223.1106	240.1174	258.1151	260.2007	286.1364	294.1658	312.1911	324.2511
a_4-NH_3^{+2}(178) PL(6.1)	SK(2.5)	YS-28(13) a_2(13)	EQ-H_2O(81) KE-H_2O(-70)	EQ(26) KE(-115)	y_2(15)	y_5^{+2}(-202)	TPL-H_2O(-52) LTP-H_2O(-52)	TPL(-2.2) LTP(-2.2)	PLI(71)
327.1564	**334.1153**	**344.1589**	**345.1920**	**353.1888**	**362.1790**	**373.2999**	**380.2639**	**389.2558**	**397.2222**
SKE-H_2O(-30)			SKE(44)	b_6-H_2O^{+2}(71) EQL-H_2O(19)	b_6^{+2}(28) YSK-NH_3(22)	y_3(51)	y_{10}-H_2O^{+3}(83)		TPLI-28(-148) LTPL-28(-148)
405.2141	**407.2131**	**426.2373**	**428.9065**	**436.2997**	**452.3034**	**466.2241**	**469.2287**	**470.3260**	**541.2442**
	TPLI-H_2O(-128) LTPL-H_2O(-128)					b_4(-12)	b_8^{+2}(-13)	y_4(-16)	EQLTP-28(-99)
553.3501	**571.3686**	**578.8444**	**595.2895**	**629.3146**	**660.3884**	**666.4531**	**684.4741**	**723.3257**	**942.5332**
QLTPL(28) y_5-H_2O(-37)	y_5(-22)	y_{10}^{+2}(-10)	b_5(29)		y_{11}^{+2}(9.5)	QLTPLI(52) y_6-H_2O(-2.7)	y_6(13)	b_6(-7.0)	

[–] Main Sequence Ions

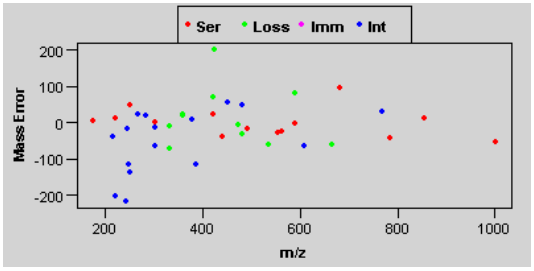
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1319.7569	660.3821
338.1347	---	3	S	10	1156.6936	578.8504
466.2296	233.6185	4	K	9	1069.6616	535.3344
595.2722	298.1397	5	E	8	941.5666	471.2869
723.3308	362.1690	6	Q	7	812.5240	406.7656
836.4149	418.7111	7	L	6	684.4654	342.7364
937.4625	469.2349	8	T	5	571.3814	286.1943
1034.5153	517.7613	9	P	4	470.3337	235.6705
1147.5994	574.3033	10	L	3	373.2809	187.1441
1260.6834	630.8454	11	I	2	260.1969	130.6021
---	---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKLVPFATELHER^{+4}



Max Intensity: **1.35**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **92.2%** Matched Series Intensity: **92.0%**



Sequence: SYKLVPFATELHER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H121 N20 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1690.9516	1689.8959	845.9795	845.4516	564.3221	563.9701	423.4935	423.2294

[–] Peak Matches

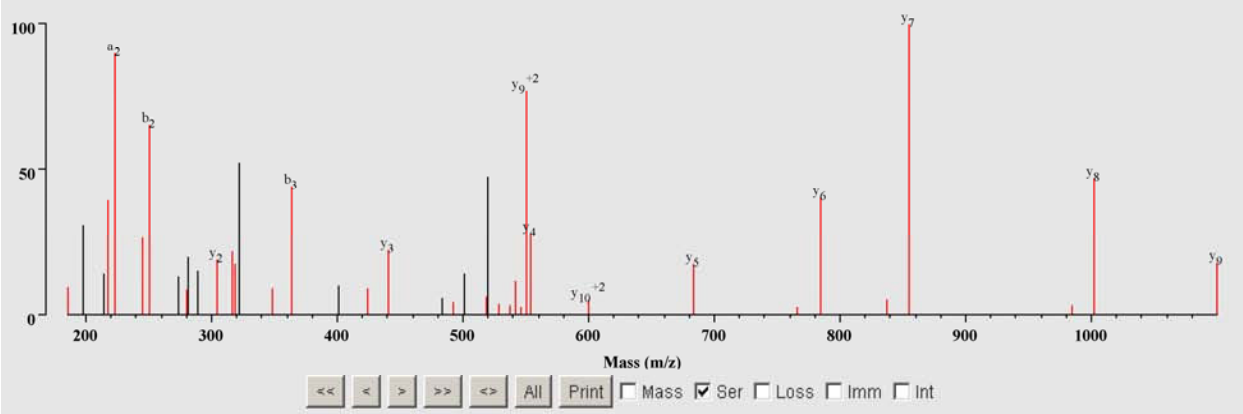
175.1196	217.1249	223.1103	227.0587	243.0809	245.1243	249.0698	251.1153	267.1149	270.0928
y_1(3.7)	PF-28(-40)	a_2(12) LH-28(-202)		EL(-218)	PF(-17)	HE-H_2O(-114)	b_2(50) LH(-139)	HE(23)	
284.1299	**302.1307**	**304.1623**	**333.1681**	**361.1943**	**379.2012**	**380.1960**	**388.1787**	**423.2389**	**424.2798**
ATE-H_2O(20)	ATE(-13) FAT-H_2O(-64)	y_2(2.5)	y_5-H_2O^{+2}(-11) a_3-H_2O(-72)	y_9-H_2O^{+3}(24) b_3-H_2O(20)	b_3(9.5)	ELH(8.2) LHE(8.2)	YKL-NH_3(-114)	y_3-H_2O(69) MH^{+4}(22)	y_3-NH_3(202)
433.2578	**441.2029**	**453.2709**	**458.2409**	**460.2933**	**474.2673**	**481.2631**	**492.2727**	**499.2325**	**537.2445**
	y_3(-40)	TELH-28(56)			b_4-H_2O(-8.0)	TELH(47) ELHE-28(47) a_9-H_2O^{+2}(-33)	b_4(-18)		y_4-NH_3(-62)
554.2894	**563.3412**	**591.3494**	**610.2447**	**665.2966**	**683.4133**	**768.4274**	**784.3622**	**855.4429**	**1002.4458**
y_4(-27)	a_5(-25)	y_{10}-NH_3^{+2}(82) b_5(-1.1)	TELHE(-63)	y_5-H_2O(-60)	y_5(97)	PFATELH-28(31)	y_6(-42)	y_7(13)	y_8(-54)

[–] Main Sequence Ions

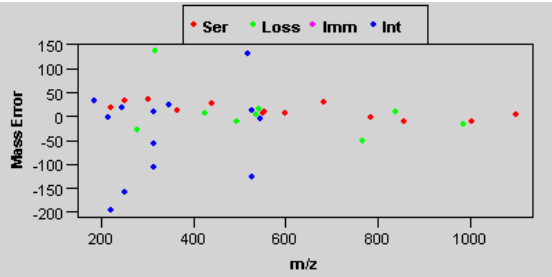
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1602.8639	801.9356
379.1976	190.1024	3	K 12	1439.8005	720.4039
492.2817	246.6445	4	L 11	1311.7056	656.3564
591.3501	296.1787	5	V 10	1198.6215	599.8144
688.4028	344.7051	6	P 9	1099.5531	550.2802
835.4713	418.2393	7	F 8	1002.5003	501.7538
906.5084	453.7578	8	A 7	855.4319	428.2196
1007.5560	504.2817	9	T 6	784.3948	392.7010
1136.5986	568.8030	10	E 5	683.3471	342.1772
1249.6827	625.3450	11	L 4	554.3045	277.6559
1386.7416	693.8744	12	H 3	441.2205	221.1139
1515.7842	758.3957	13	E 2	304.1615	152.5844
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLVPFATELHER^{+3}



Max Intensity: **17.7**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **77.4%** Matched Series Intensity: **77.4%**



Sequence: SYLVPFATELHER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H109 N18 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1562.7764	1561.8009	781.8919	781.4041	521.5971	521.2718

[–] Peak Matches

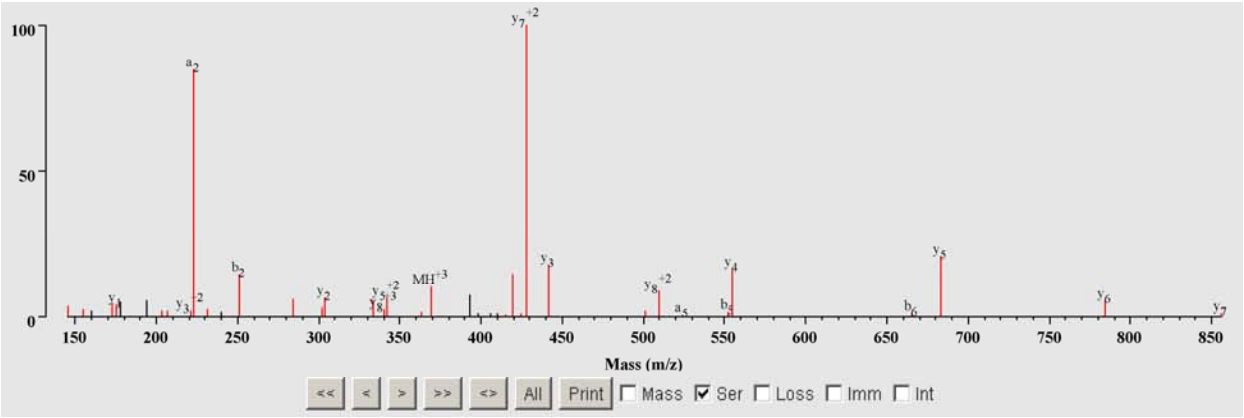
185.1710	198.1469	214.1454	217.1333	223.1117	245.1332	251.1108	273.1779	280.1321	281.0642
LV-28(33)			PF-28(-1.1)	a_2(18) LH-28(-196)	PF(19)	b_2(33) LH(-157)		y_7-NH_3^{+3}(-28)	
289.1899	**304.1722**	**316.1686**	**318.2249**	**322.1977**	**348.2370**	**364.1915**	**401.1830**	**424.1971**	**441.2328**
	y_2(35)	PFA(9.6) TEL-28(-57) VPF-28(-105)	a_3-H_2O(137)		YLV-28(25)	b_3(13)		y_3-NH_3(7.5)	y_3(28)
483.2853	**492.7431**	**501.3111**	**518.3281**	**519.3132**	**528.2517**	**537.2796**	**541.2838**	**546.2536**	**550.2843**
	y_8-H_2O^{+2}(-11)		PFATE-28(130)		PFATE-H_2O(12) LVPFA(-126)	y_4-NH_3(3.0)	y_9-H_2O^{+2}(16)	PFATE(-4.1)	y_9^{+2}(7.5)
554.3092	**599.8185**	**683.3681**	**766.3458**	**784.3940**	**837.4283**	**855.4236**	**984.4742**	**1002.4907**	**1099.5570**
y_4(8.5)	y_{10}^{+2}(6.9)	y_5(31)	y_6-H_2O(-50)	y_6(-1.0)	y_7-H_2O(8.3)	y_7(-9.7)	y_8-H_2O(-16)	y_8(-9.6)	y_9(3.6)

[–] Main Sequence Ions

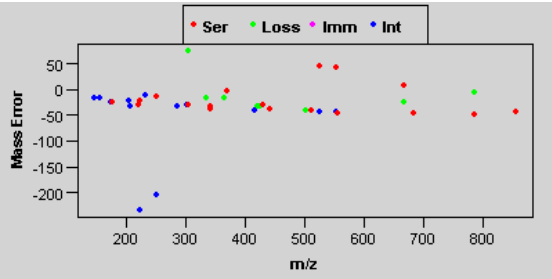
b	b^{+2}			y	y^{+2}
---	---	1	**S** 13	---	---
251.1026	---	2	**Y** 12	1474.7689	737.8881
364.1867	---	3	**L** 11	1311.7056	656.3564
463.2551	---	4	**V** 10	1198.6215	599.8144
560.3079	---	5	**P** 9	1099.5531	550.2802
707.3763	---	6	**F** 8	1002.5003	501.7538
778.4134	---	7	**A** 7	855.4319	428.2196
879.4611	---	8	**T** 6	784.3948	392.7010
1008.5037	---	9	**E** 5	683.3471	342.1772
1121.5877	---	10	**L** 4	554.3045	277.6559
1258.6467	629.8270	11	**H** 3	441.2205	221.1139
1387.6892	694.3483	12	**E** 2	304.1615	152.5844
---	---	13	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATELHER^{+3}



Max Intensity: **163**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **93.5%** Matched Series Intensity: **93.8%**



Sequence SYATELHER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C47 H73 N14 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1106.1872	1105.5273	553.5973	553.2673	369.4007	369.1806

[–] **Peak Matches**

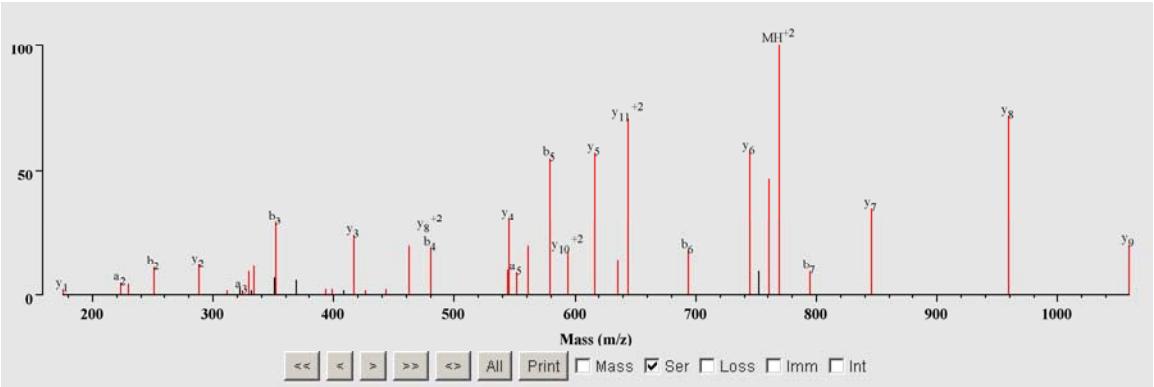
145.0945	155.0791	160.0721	173.0879	175.1146	178.0839	194.1109	203.0982	207.1060	221.1070
AT-28(-18)	AT-H_2O(-16)		AT(-24)	y_1(-25)			TE-28(-22)	YA-28(-33)	y_3^{+2}(-31)
223.1028	**231.0948**	**240.1153**	**251.0989**	**284.1147**	**302.1253**	**304.1520**	**333.1665**	**340.1592**	**342.1641**
a_2(-22) LH-28(-235)	TE(-12)		b_2(-15) LH(-204)	ATE-H_2O(-33)	ATE(-31)	b_3-H_2O(75) y_2(-31)	y_5-H_2O^{+2}(-16)	y_8^{+3}(-32)	y_5^{+2}(-38)
363.1708	**369.1795**	**393.1895**	**398.1819**	**406.1816**	**410.1930**	**415.2013**	**419.2007**	**424.1797**	**428.2064**
MH-H_2O^{+3}(-17)	MH^{+3}(-3.0)					ATEL(-42)	y_7-H_2O^{+2}(-32)	y_3-NH_3(-33)	y_7^{+2}(-31)
441.2033	**500.7260**	**509.7304**	**524.2593**	**552.2536**	**554.2793**	**665.3191**	**683.3152**	**784.3573**	**855.3950**
y_3(-39)	y_8-H_2O^{+2}(-40)	y_8^{+2}(-41)	a_5(46) ATELH-28(-45)	b_5(43) ATELH(-44)	y_4(-46)	b_6(7.5) y_5-H_2O(-26)	y_5(-47)	b_7-H_2O(-6.5) y_6(-48)	y_7(-43)

[–] **Main Sequence Ions**

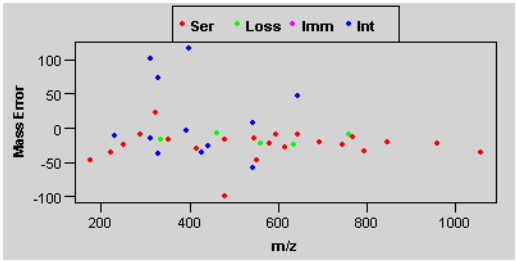
b	b^{+2}				y	y^{+2}
---	---	1	S	9	---	---
251.1026	---	2	Y	8	1018.4952	509.7513
322.1397	---	3	A	7	855.4319	428.2196
423.1874	---	4	T	6	784.3948	392.7010
552.2300	---	5	E	5	683.3471	342.1772
665.3141	---	6	L	4	554.3045	277.6559
802.3730	401.6901	7	H	3	441.2205	221.1139
931.4156	466.2114	8	E	2	304.1615	152.5844
---	---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTQVNTQAEQLR^{+2}



Max Intensity: **26.3**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.5%** Matched Series Intensity: **95.8%**



Sequence SYTQVNTQAEQLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C64 H105 N20 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1538.6672	1537.7605	769.8373	769.3839

[–] **Peak Matches**

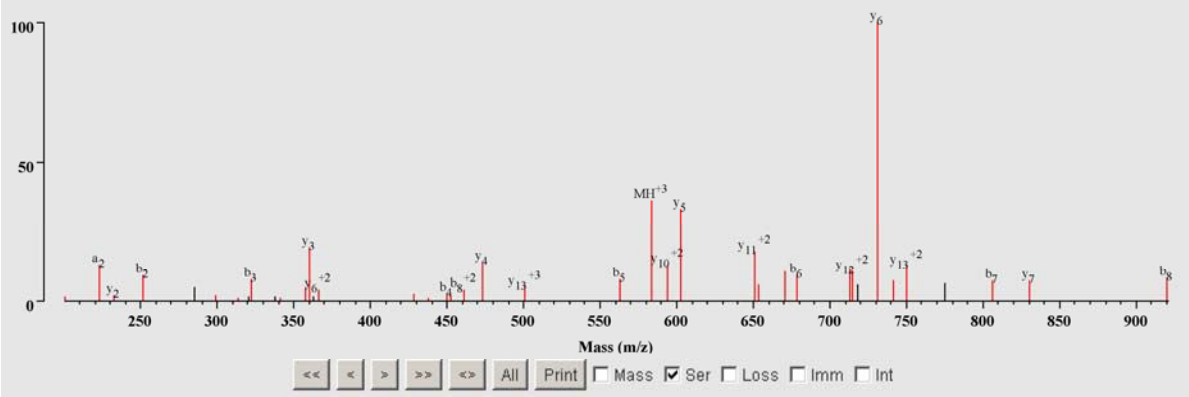
175.1106	223.0997	230.1111	251.0967	288.2001	311.1667	322.1378	324.1626	329.1698	332.1630
y_1(-48)	a_2(-36)	TQ(-11) EQ-28(-11)	b_2(-24)	y_2(-10)	QAE-H_2O(102) AEQ-H_2O(102) TQV-H_2O(-15)		a_3(22)	QAE(74) AEQ(74) TQV(-37)	
334.1342	**351.1612**	**352.1446**	**369.1641**	**393.1751**	**398.2135**	**408.1723**	**416.2492**	**426.1834**	**443.2133**
b_3-H_2O(-17)		b_3(-16)		YTQ(-4.5)	NTQA-NH_3(117)		y_3(-30)	TQVN-NH_3(-35) QVNT-NH_3(-35) VNTQ-NH_3(-35)	TQVN(-26) VNTQ(-26) QVNT(-26)
462.1952	**480.2010**	**544.2403**	**545.2962**	**551.2558**	**561.2545**	**579.2640**	**593.8062**	**616.3240**	**635.3159**
b_4-H_2O(-6.8)	b_4(-16) y_8^{+2}(-100)	NTQAE(7.6) TQVNT(-59)	y_4(-15)	a_5(-48)	b_5-H_2O(-22)	b_5(-23)	y_{10}^{+2}(-10)	y_5(-28)	y_{11}-H_2O^{+2}(-24)
644.3300	**693.3054**	**744.3819**	**751.8638**	**760.3720**	**769.3737**	**794.3417**	**845.4302**	**959.4692**	**1058.5212**
NTQAEQ-28(47) TQVNTQ-28(-9.6) y_{11}^{+2}(-9.6)	b_6(-21)	y_6(-24)		MH-H_2O^{+2}(-8.7)	MH^{+2}(-13)	b_7(-33)	y_7(-21)	y_8(-22)	y_9(-36)

[–] **Main Sequence Ions**

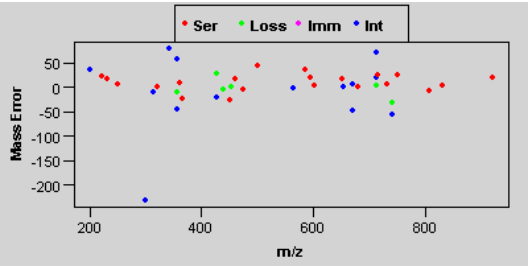
b			y	y^{+2}
---	1	S 13	---	---
251.1026	2	Y 12	1450.7285	725.8679
352.1503	3	T 11	1287.6652	644.3362
480.2089	4	Q 10	1186.6175	593.8124
579.2773	5	V 9	1058.5589	529.7831
693.3202	6	N 8	959.4905	480.2489
794.3679	7	T 7	845.4476	423.2274
922.4265	8	Q 6	744.3999	372.7036
993.4636	9	A 5	616.3413	308.6743
1122.5062	10	E 4	545.3042	273.1557
1250.5648	11	Q 3	416.2616	208.6344
1363.6488	12	L 2	288.2030	144.6051
---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAKIDQNVEELKGR^{+3}



Max Intensity: **16.2**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.7%** Matched Series Intensity: **94.2%**



Sequence SYAKIDQNVEELKGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C75 H125 N22 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1750.9611	1749.9130	875.9843	875.4601	584.3253	583.9758

[–] **Peak Matches**

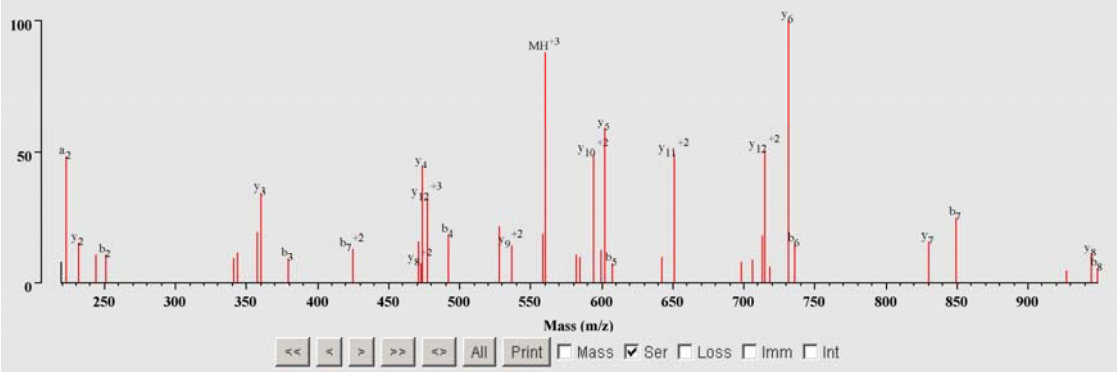
200.1466	223.1125	232.1444	251.1042	285.1392	299.1385	313.2204	320.1448	322.1395	338.1480
AK(36)	a_2(21)	y_2(17)	b_2(6.2)		LKG(-232)	AKI(-9.6)		b_3(-0.77)	
341.1361	**357.1972**	**360.2385**	**363.0825**	**366.1967**	**428.2415**	**438.2139**	**450.2231**	**452.2139**	**460.7353**
DQN-NH_3(79)	IDQ(57) y_6-H_2O^{+2}(-9.8) KID(-45)	y_3(8.7)		y_6^{+2}(-25)	y_{11}-H_2O^{+3}(27) ELKG(-21) AKID(-21)	a_8-NH_3^{+2}(-6.0)	b_4(-26)	b_8-NH_3^{+2}(-0.096)	b_8^{+2}(17)
473.3168	**500.6326**	**563.3171**	**583.9960**	**594.3160**	**602.3639**	**650.8573**	**653.3253**	**670.3556**	**678.3463**
y_4(-5.6)	y_{13}^{+3}(44)	b_5(-3.0) YAKID-28(-3.0)	MH^{+3}(35)	y_{10}^{+2}(20)	y_5(3.1)	y_{11}^{+2}(17)	AKIDQN-NH_3(-0.025)	AKIDQN(5.6) KIDQNV-28(-49)	b_6(0.86)
713.3968	**714.9120**	**718.4214**	**731.4081**	**741.3842**	**750.4311**	**775.4388**	**806.3970**	**830.4759**	**920.4637**
QNVEEL(71) NVEELK(20) y_6-H_2O(3.8)	y_{12}^{+2}(25)		y_6(4.7)	y_{13}-H_2O^{+2}(-31) AKIDQNV-28(-56)	y_{13}^{+2}(25)		b_7(-9.0)	y_7(3.5)	b_8(18)

[–] **Main Sequence Ions**

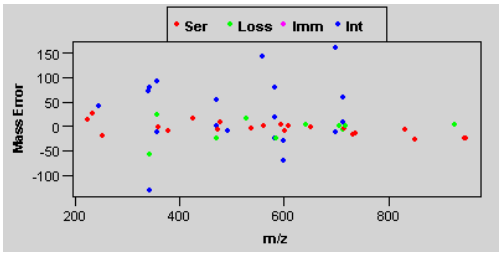
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1662.8810	831.9441
322.1397	---	3	**A**	13	1499.8176	750.4125
450.2347	225.6210	4	**K**	12	1428.7805	714.8939
563.3188	282.1630	5	**I**	11	1300.6856	650.8464
678.3457	339.6765	6	**D**	10	1187.6015	594.3044
806.4043	403.7058	7	**Q**	9	1072.5745	536.7909
920.4472	460.7272	8	**N**	8	944.5160	472.7616
1019.5156	510.2615	9	**V**	7	830.4730	415.7402
1148.5582	574.7828	10	**E**	6	731.4046	366.2060
1277.6008	639.3040	11	**E**	5	602.3620	301.6847
1390.6849	695.8461	12	**L**	4	473.3194	237.1634
1518.7798	759.8936	13	**K**	3	360.2354	180.6213
1575.8013	788.4043	14	**G**	2	232.1404	116.5738
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKIDQNVEELKGR^{+3}



Max Intensity: **14.8**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.1%** Matched Series Intensity: **99.0%**



Sequence: SYKIDQNVEELKGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H120 N21 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1679.8818	1678.8759	840.4446	839.9416	560.6322	560.2968

[–] **Peak Matches**

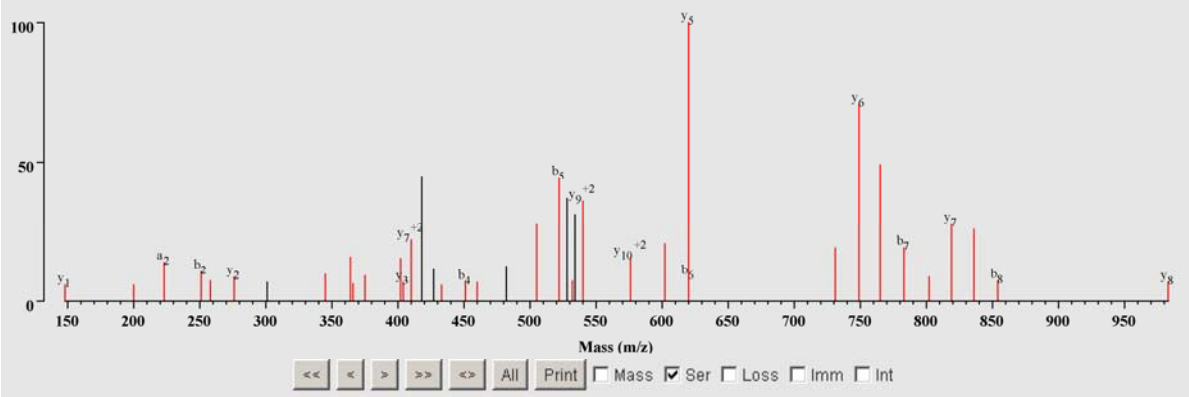
219.1250	223.1103	232.1465	244.1030	251.0973	341.1335	343.1887	357.2092	360.2346	379.1939
	a_2(12)	y_2(26)	DQ(42)	b_2(-21)	DQN-NH_3(71)	NVE(80) y_3-NH_3(-59) ELK-28(-132)	IDQ(91) y_6-H_2O^{+2}(24) KID(-11)	y_3(-2.2)	b_3(-9.7)
425.2152	**471.2446**	**472.7578**	**473.3156**	**476.9359**	**492.2769**	**528.2865**	**536.7884**	**558.3322**	**560.2973**
b_7^{+2}(15)	QNVE(53) IDQN(53) VEEL(-0.72) y_{12}-NH_3^{+3}(-25)	y_8^{+2}(-8.1)	y_4(-8.1)	y_{12}^{+3}(8.8)	b_4(-9.7) YKID-28(-9.7)	y_9-NH_3^{+2}(17)	y_9^{+2}(-4.7)	DQNVE-28(144)	MH^{+3}(0.88)
582.2986	**584.3374**	**594.3057**	**599.2975**	**602.3568**	**607.3096**	**642.3356**	**650.8447**	**698.3754**	**706.3812**
QNVEE-H_2O(80) KIDQN-NH_3(18) VEELK-NH_3(-25)	y_5-H_2O(-24)	y_{10}^{+2}(2.2)	KIDQN(-29) VEELK(-71)	y_5(-8.7)	b_5(1.6)	y_{11}-NH_3^{+2}(3.8)	y_{11}^{+2}(-2.6)	DQNVEE-NH_3(161) KIDQNV(-11)	y_{12}-NH_3^{+2}(0.82)
713.3884	**714.8906**	**718.3411**	**731.3914**	**735.3561**	**830.4675**	**849.3864**	**927.4925**	**944.4936**	**948.4561**
QNVEEL(59) NVEELK(7.8) y_6-H_2O(-7.9)	y_{12}^{+2}(-4.6)	b_6-NH_3(0.65)	y_6(-18)	b_6(-15)	y_7(-6.7)	b_7(-28)	y_8-NH_3(3.3)	y_8(-24)	b_8(-24)

[–] **Main Sequence Ions**

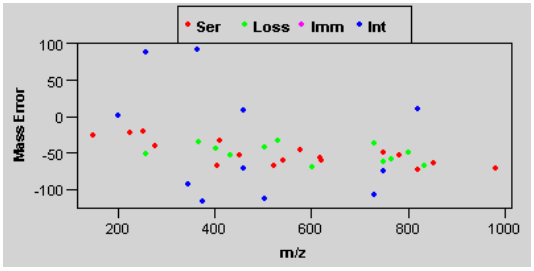
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1591.8438	796.4256
379.1976	190.1024	3	K 12	1428.7805	714.8939
492.2817	246.6445	4	I 11	1300.6856	650.8464
607.3086	304.1579	5	D 10	1187.6015	594.3044
735.3672	368.1872	6	Q 9	1072.5745	536.7909
849.4101	425.2087	7	N 8	944.5160	472.7616
948.4785	474.7429	8	V 7	830.4730	415.7402
1077.5211	539.2642	9	E 6	731.4046	366.2060
1206.5637	603.7855	10	E 5	602.3620	301.6847
1319.6478	660.3275	11	L 4	473.3194	237.1634
1447.7427	724.3750	12	K 3	360.2354	180.6213
1504.7642	752.8857	13	G 2	232.1404	116.5738
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLAPYAQDTQEK^{+3}



Max Intensity: **16.0**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **81.5%** Matched Series Intensity: **81.3%**



Sequence SYSLAPYAQDTQEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C70 H106 N17 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1601.7204	1600.7489	801.3639	800.8781	534.5784	534.2545

[–] Peak Matches

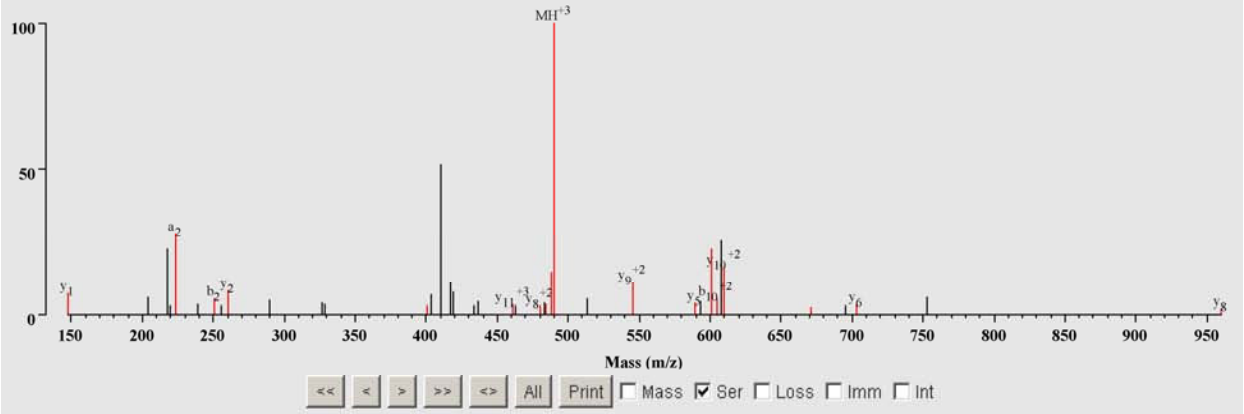
147.1089	200.1031	223.1028	251.0974	258.1313	276.1444	301.1440	345.1079	363.1996	366.1509
y_1(-27)	AQ(0.66)	YS-28(-22) a_2(-22)	YS(-21) b_2(-21)	QE(89) y_2-H_2O(-52)	y_2(-40)		QDT(-94) DTQ(-94)	YAQ(92)	y_6-NH_3^{+2}(-36)
375.1588	**401.6643**	**404.1870**	**410.1820**	**418.1821**	**426.7037**	**427.1984**	**433.1853**	**451.1946**	**460.1866**
APYA-28(-117)	y_7-NH_3^{+2}(-45)	y_3(-67)	y_7^{+2}(-34)				b_4-H_2O(-53)	b_4(-53)	YAQD-H_2O(8.5) PYAQ(-71)
482.2074	**504.2242**	**522.2201**	**528.2279**	**531.7225**	**534.2263**	**540.2212**	**575.7458**	**601.2557**	**619.2734**
	b_5-H_2O(-42) SLAPY-28(-114) YSLAP-28(-114)	b_2(-68)		y_9-NH_3^{+2}(-34)		y_9^{+2}(-60)	y_{10}^{+2}(-46)	b_6-H_2O(-70)	b_6(-57)
620.2511	**731.2935**	**748.3099**	**764.3168**	**782.3308**	**802.3179**	**819.3246**	**835.3414**	**853.3535**	**982.3776**
y_5(-60)	y_6-NH_3(-37) SLAPYAQ(-108) LAPYAQD-28(-108)	y_6(-50) y_{13}-H_2O^{+2}(-63) YSLAPYA-H_2O(-76)	b_7-H_2O(-58)	b_7(-53)	y_7-NH_3(-50)	YAQDTQE-NH_3(11) y_7(-73)	b_8-H_2O(-68)	b_8(-65)	y_8(-71)

[–] Main Sequence Ions

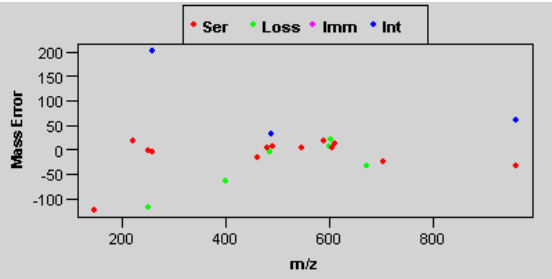
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1513.7169	757.3621
338.1347	3	S	12 1350.6536	675.8304
451.2187	4	L	11 1263.6216	632.3144
522.2558	5	A	10 1150.5375	575.7724
619.3086	6	P	9 1079.5004	540.2538
782.3719	7	Y	8 982.4476	491.7274
853.4090	8	A	7 819.3843	410.1958
981.4676	9	Q	6 748.3472	374.6772
1096.4946	10	D	5 620.2886	310.6479
1197.5422	11	T	4 505.2617	253.1345
1325.6008	12	Q	3 404.2140	202.6106
1454.6434	13	E	2 276.1554	138.5813
---	14	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQMKKNAEELK^{+3}



Max Intensity: **13.8**
Num Matched: **19/40 (52.5% unmatched)** Matched Intensity: **57.8%** Matched Series Intensity: **43.6%**



Sequence SYQMKKNAEELK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H106 N17 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1469.7102	1468.7464	735.3588	734.8769	490.5750	490.2537

[–] Peak Matches

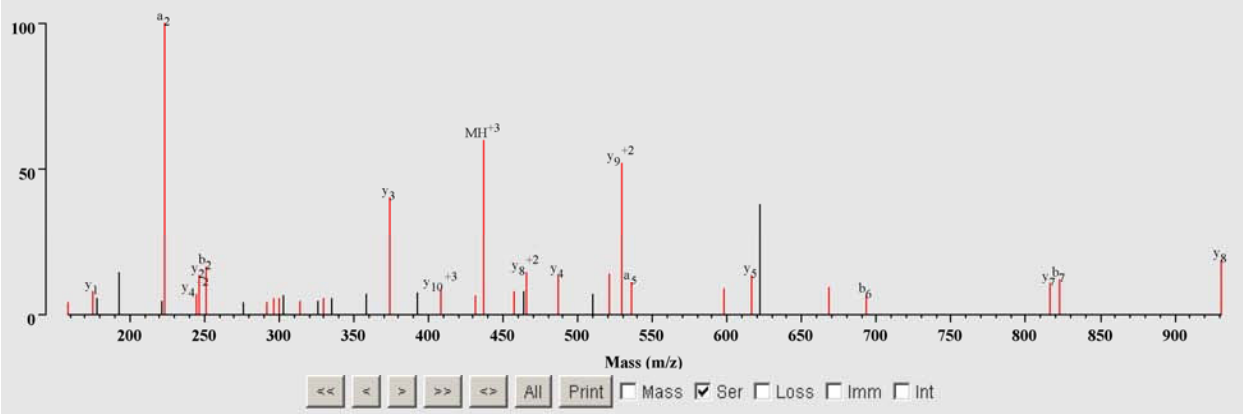
147.0945	204.0023	218.0147	219.1768	223.1117	239.0812	251.1018	256.0129	260.1954	290.0838
y_1(-124)				a_2(18)		b_2(-3.3) y_4-NH_3^{+2}(-118)		MK(202) y_2(-5.6)	
326.1235	**329.0284**	**400.8589**	**403.3088**	**410.3158**	**416.8479**	**418.8733**	**433.8451**	**436.9018**	**461.2359**
		y_{10}-H_2O^{+3}(-65)							y_{11}^{+3}(-15)
463.2176	**480.2816**	**482.8734**	**484.5760**	**488.3164**	**490.2569**	**513.7404**	**545.8024**	**589.3305**	**592.7955**
	y_8^{+2}(4.1)		MH-NH_3^{+3}(-4.4)	QMKK-28(31)	MH^{+3}(6.6)		y_9^{+2}(4.6)	y_5(19)	
600.8272	**601.3283**	**605.2846**	**607.7738**	**609.8356**	**670.8075**	**695.3251**	**703.3436**	**752.3419**	**959.5196**
y_{10}-H_2O^{+2}(5.5)	y_{10}-NH_3^{+2}(21)	b_{10}^{+2}(4.2)		y_{10}^{+2}(11)	b_{11}+H_2O^{+2}(-33)		y_6(-26)		QMKKNAEE(61) y_8(-34)

[–] Main Sequence Ions

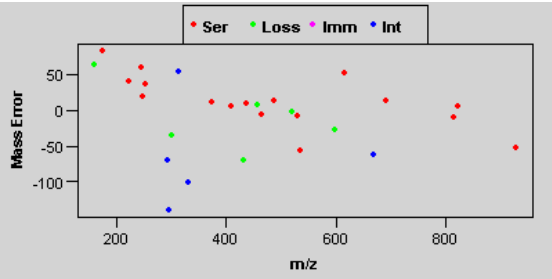
b	b^{+2}			y	y^{+2}
---	---	1	S	12 ---	---
251.1026	---	2	Y	11 1381.7144	691.3608
379.1612	---	3	Q	10 1218.6511	609.8292
510.2017	---	4	M	9 1090.5925	545.7999
638.2967	319.6520	5	K	8 959.5520	480.2796
766.3916	383.6994	6	K	7 831.4571	416.2322
880.4345	440.7209	7	N	6 703.3621	352.1847
951.4717	476.2395	8	A	5 589.3192	295.1632
1080.5143	540.7608	9	E	4 518.2821	259.6447
1209.5568	605.2821	10	E	3 389.2395	195.1234
1322.6409	661.8241	11	L	2 260.1969	130.6021
---	---	12	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKNAEELKAR^{+3}



Max Intensity: **2.49**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **81.1%** Matched Series Intensity: **78.6%**



Sequence SYKNAEELKAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C56 H94 N17 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1309.4736	1308.6906	655.2405	654.8490	437.1628	436.9017

[–] **Peak Matches**

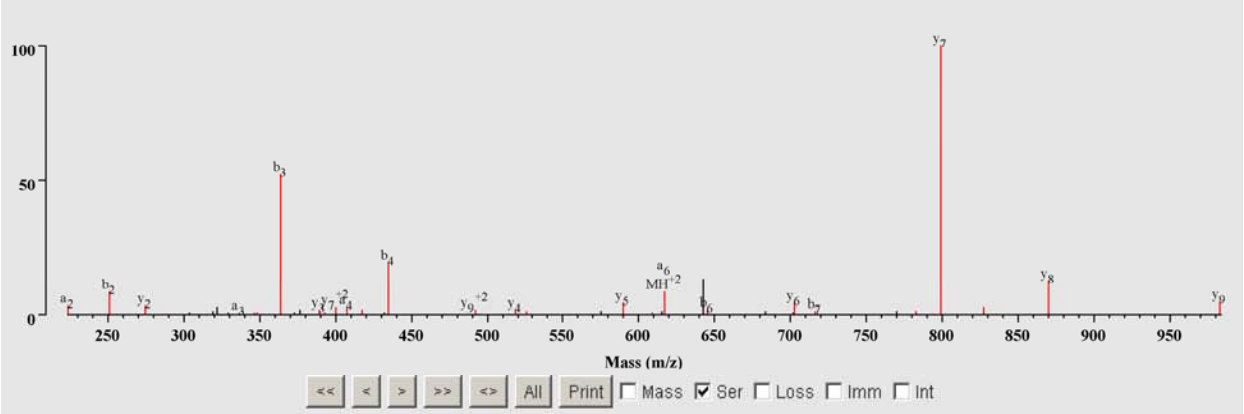
158.1025	175.1335	178.0825	193.1117	221.0984	223.1166	244.1855	246.1607	251.1117	276.1798
NA-28(64) y_1-NH_3(64)	y_1(83)				a_2(40)	y_4^{+2}(59)	y_2(19)	b_2(36)	
292.1448	**296.1553**	**300.1685**	**303.1467**	**314.1992**	**326.1329**	**330.0960**	**335.2049**	**358.2071**	**374.2552**
YK(-71)	LKA-NH_3(-140)	y_5-NH_3^{+2}(-36)		KNA(54)		AEE(-102)			y_3(11)
392.2126	**407.8935**	**431.1958**	**436.9054**	**457.2435**	**464.2330**	**465.7512**	**487.3418**	**509.9428**	**521.2863**
	y_{10}^{+3}(6.0)	MH-NH_3^{+3}(-71)	MH^{+3}(8.4)	y_8-NH_3^{+2}(6.5)		y_8^{+2}(-5.6)	y_4(14)		y_9-NH_3^{+2}(-3.3)
529.7968	**536.2529**	**598.3511**	**616.4089**	**622.2872**	**668.2832**	**693.3295**	**816.4482**	**822.3671**	**930.4513**
y_9^{+2}(-8.5)	a_5(-56)	y_5-H_2O(-27)	y_5(51)		KNAEEL-NH_3(-63) NAEELK-NH_3(-63)	b_6(13)	y_7(-11)	b_7(5.2)	y_8(-53)

[–] **Main Sequence Ions**

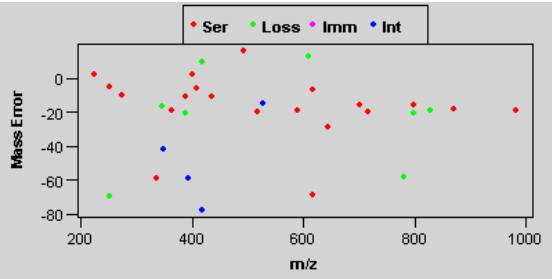
b	b^{+2}				y	y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1221.6586	611.3329
379.1976	190.1024	3	K	9	1058.5953	529.8013
493.2405	247.1239	4	N	8	930.5003	465.7538
564.2776	282.6425	5	A	7	816.4574	408.7323
693.3202	347.1638	6	E	6	745.4203	373.2138
822.3628	411.6851	7	E	5	616.3777	308.6925
935.4469	468.2271	8	L	4	487.3351	244.1712
1063.5419	532.2746	9	K	3	374.2510	187.6292
1134.5790	567.7931	10	A	2	246.1561	123.5817
---	---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLAPLAEDVR^{+2}



Max Intensity: **94.5**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **89.7%** Matched Series Intensity: **89.4%**



Sequence: SYLAPLAEDVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H89 N14 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1234.4030	1233.6474	617.7052	617.3273

[–] Peak Matches

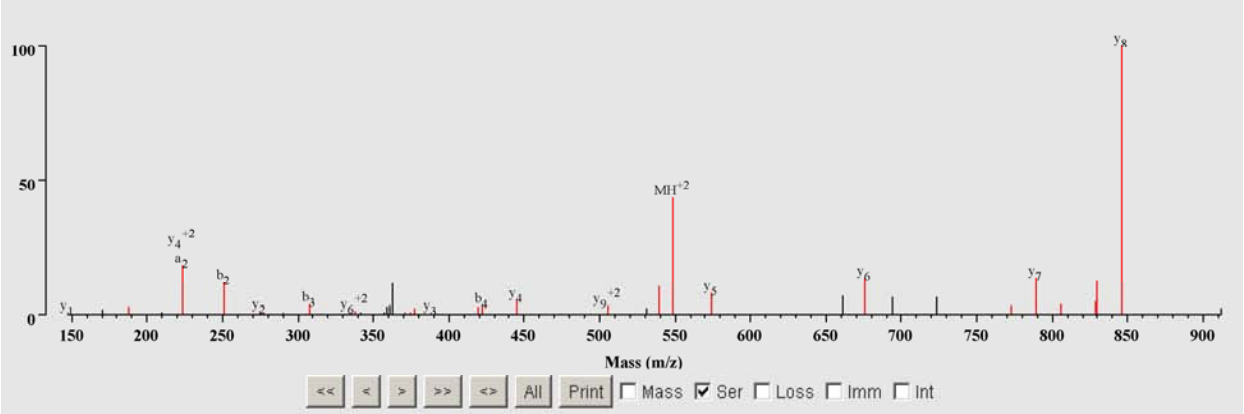
223.1082	251.1012	274.1846	304.1491	319.1565	322.1395	329.1802	336.1719	346.1702	348.1771
a_2(2.2)	b_2(-5.7) y_4-NH_3^{+2}(-70)	y_2(-10)					a_3(-59)	b_3-H_2O(-17)	YLA(-42)
364.1799	**373.2015**	**376.1824**	**389.2100**	**393.1901**	**400.2200**	**407.2263**	**417.2172**	**432.2033**	**435.2192**
b_3(-19)			y_3(-11) a_4-H_2O(-21)	PLAE-H_2O(-59)	y_7^{+2}(2.3)	a_4(-6.4)	b_4-H_2O(9.5) YLAP-28(-78)		b_4(-11)
492.2875	**518.2463**	**526.2430**	**575.2547**	**589.2826**	**608.3302**	**615.2905**	**617.3231**	**642.3422**	**645.3419**
y_9^{+2}(16)	y_4(-20)	PLAED(-15)		y_5(-19)	MH-H_2O^{+2}(13)		MH^{+2}(-6.8) a_6(-69)		b_6(-29)
683.3352	**701.3111**	**702.3667**	**716.3831**	**770.3696**	**782.3587**	**799.4184**	**827.4139**	**870.4527**	**983.5334**
		y_6(-16)	b_7(-20)		y_7-NH_3(-58)	y_7(-16) a_8-H_2O(-21)	b_8-H_2O(-19)	y_8(-18)	y_9(-19)

[–] Main Sequence Ions

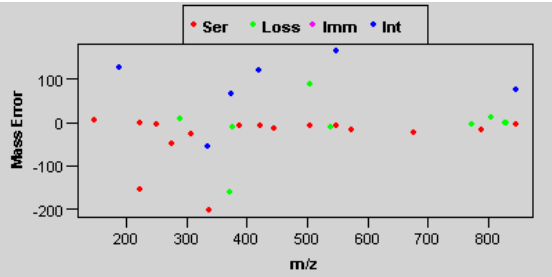
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1146.6154	573.8113
364.1867	3	L	9	983.5520	492.2796
435.2238	4	A	8	870.4680	435.7376
532.2766	5	P	7	799.4308	400.2191
645.3606	6	L	6	702.3781	351.6927
716.3978	7	A	5	589.2940	295.1506
845.4403	8	E	4	518.2569	259.6321
960.4673	9	D	3	389.2143	195.1108
1059.5357	10	V	2	274.1874	137.5973
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGNTEGLQK^{+2}



Max Intensity: **24.9**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **85.9%** Matched Series Intensity: **83.1%**



Sequence SYGNTEGLQK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C46 H74 N13 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1097.1767	1096.5269	549.0921	548.7671

[–] **Peak Matches**

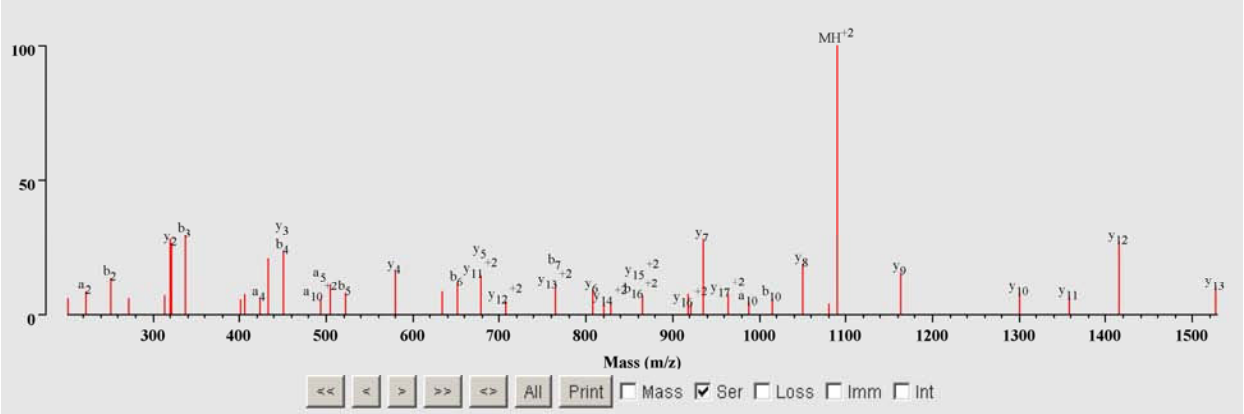
147.1136	170.1147	188.1264	210.1131	223.1074	251.1018	275.1578	290.1159	308.1159	335.1163
y_1(5.4)		NT-28(125)		a_2(-1.4) y_4^{+2}(-155)	b_2(-3.3)	y_2(-49)	b_3-H_2O(8.2)	b_3(-27)	YGN(-56)
338.1189	**341.2275**	**357.1645**	**359.2461**	**361.1413**	**362.2339**	**371.1695**	**374.1917**	**377.1417**	**388.2530**
y_6^{+2}(-202)						y_3-NH_3(-160)	GNTE-28(66) NTEG-28(66)	a_4-NH_3(-10)	y_3(-6.3)
419.2054	**422.1640**	**445.2704**	**505.2474**	**531.2511**	**539.7560**	**548.2886**	**548.7630**	**574.3084**	**661.3310**
YGNT-NH_3(118)	b_4(-7.2)	y_4(-15)	b_5-H_2O(86) y_9^{+2}(-7.3)		MH-H_2O^{+2}(-11)	YGNTE-NH_3(164)	MH^{+2}(-7.5)	y_5(-19)	
675.3517	**694.3572**	**723.3894**	**772.3801**	**789.3977**	**805.3458**	**828.4210**	**829.4047**	**846.4272**	**911.4708**
y_6(-23)			y_7-NH_3(-4.5)	y_7(-16)	b_8-NH_3(12)	y_8-H_2O(-0.0090)	y_8-NH_3(-0.39)	YGNTEGLQ-NH_3(76) y_8(-5.2)	

[–] **Main Sequence Ions**

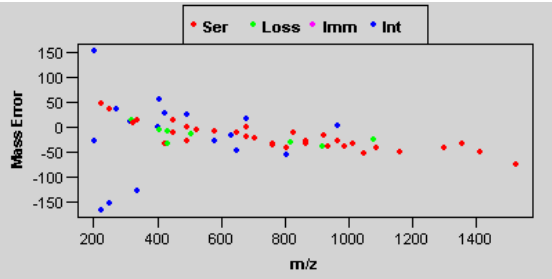
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1009.4949	505.2511
308.1241	3	G	8	846.4316	423.7194
422.1670	4	N	7	789.4101	395.2087
523.2147	5	T	6	675.3672	338.1872
652.2573	6	E	5	574.3195	287.6634
709.2788	7	G	4	445.2769	223.1421
822.3628	8	L	3	388.2554	194.6314
950.4214	9	Q	2	275.1714	138.0893
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLAELGGHLDQQVEEFR^{+2}



Max Intensity: **44.8**
Num Matched: **40/40 (0.0% unmatched)** Matched Intensity: **100.0%** Matched Series Intensity: **100.0%**



Sequence: SYSLAELGGHLDQQVEEFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C95 H145 N26 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2179.3653	2178.0462	1090.1863	1089.5267

[–] Peak Matches

201.1175	223.1180	251.1117	272.1700	314.1741	320.1281	322.1903	338.1393	401.2032	405.2107
AE(152) LD-28(-29) SL(-29) VE-28(-29)	YS-28(46) a_2(46) HL-28(-167)	YS(36) b_2(36) HL(-154)	SLA(35) ELG-28(35)	AEL(9.7) LAE(9.7)	b_3-H_2O(13)	y_2(9.1)	b_3(14) HLD-28(-127)	SLAE(0.31)	GHLD-H_2O(56) a_4-H_2O(-6.3)
423.2098	**433.2045**	**451.2251**	**494.2475**	**504.2381**	**522.2525**	**580.2675**	**633.2770**	**651.2902**	**679.3273**
GHLD(26) a_4(-33)	b_4-H_2O(-8.5) y_3-H_2O(-34)	b_4(14) y_3(-11)	HLDQ(24) ELGGH(24) a_{10}^{+2}(-1.7) a_5(-27)	b_5-H_2O(-14)	b_5(-6.4)	y_4(-8.7) GGHLDQ-28(-28)	b_6-H_2O(-17) QVEEF(-17)	b_6(-13) GHLDQQ-28(-47)	GHLDQQ(17) y_{11}^{+2}(-1.6) y_5(-20)
707.8218	**764.3547**	**807.3666**	**819.8723**	**828.8930**	**864.3923**	**918.3957**	**920.9470**	**935.4229**	**964.4516**
y_{12}^{+2}(-24)	y_{13}^{+2}(-35) b_7(-36)	y_6(-41) GGHLDQQV-28(-55)	y_{14}-H_2O^{+2}(-30)	y_{14}^{+2}(-11)	b_{16}^{+2}(-27) y_{15}^{+2}(-33)	y_7-NH_3(-39)	y_{16}^{+2}(-17)	y_7(-38)	GGHLDQQVE(3.4) y_{17}^{+2}(-28)
987.4515	**1015.4513**	**1050.4295**	**1080.4933**	**1089.4799**	**1163.5097**	**1300.5738**	**1357.6037**	**1414.6009**	**1527.6397**
a_{10}(-38)	b_{10}(-33)	y_8(-53)	MH-H_2O^{+2}(-26)	MH^{+2}(-43)	y_9(-51)	y_{10}(-42)	y_{11}(-34)	y_{12}(-50)	y_{13}(-75)

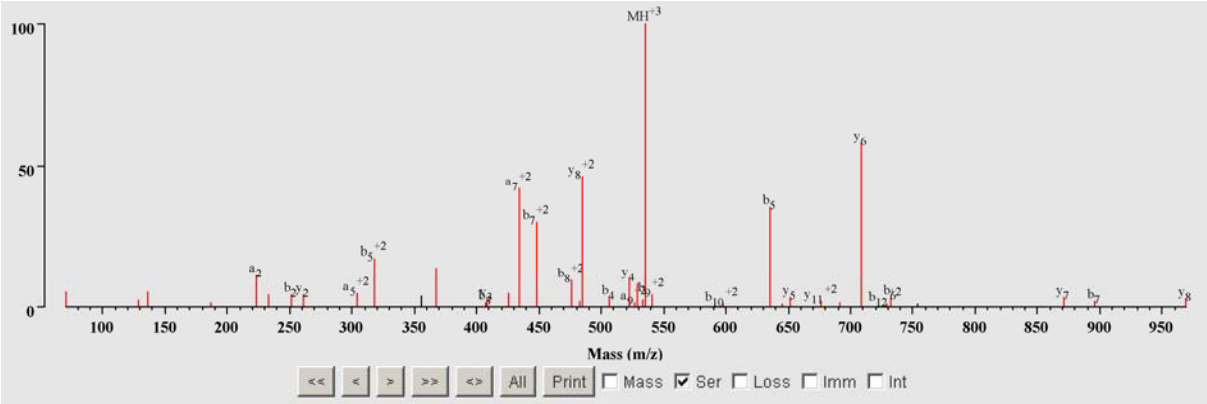
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1 S	19	---	---
251.1026	---	2 Y	18	2091.0142	1046.0107
338.1347	---	3 S	17	1927.9508	964.4791
451.2187	---	4 L	16	1840.9188	920.9630
522.2558	---	5 A	15	1727.8347	864.4210
651.2984	---	6 E	14	1656.7976	828.9025
764.3825	---	7 L	13	1527.7550	764.3812
821.4040	---	8 G	12	1414.6710	707.8391
878.4254	---	9 G	11	1357.6495	679.3284
1015.4843	508.2458	10 H	10	1300.6280	650.8177
1128.5684	564.7878	11 L	9	1163.5691	582.2882
1243.5953	622.3013	12 D	8	1050.4851	525.7462
1371.6539	686.3306	13 Q	7	935.4581	468.2327
1499.7125	750.3599	14 Q	6	807.3995	404.2034
1598.7809	799.8941	15 V	5	679.3410	340.1741

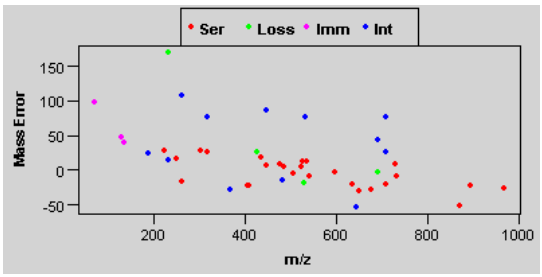
1727.8235	864.4154	16	**E**	4	580.2726	290.6399
1856.8661	928.9367	17	**E**	3	451.2300	226.1186
2003.9345	1002.4709	18	**F**	2	322.1874	161.5973
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYRVEPYGENFNK^{+3}



Max Intensity: **30.2**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.9%** Matched Series Intensity: **98.5%**



Sequence SYRVEPYGENFNK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H104 N19 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1603.7420	1602.7547	802.3747	801.8810	535.2523	534.9231

[–] **Peak Matches**

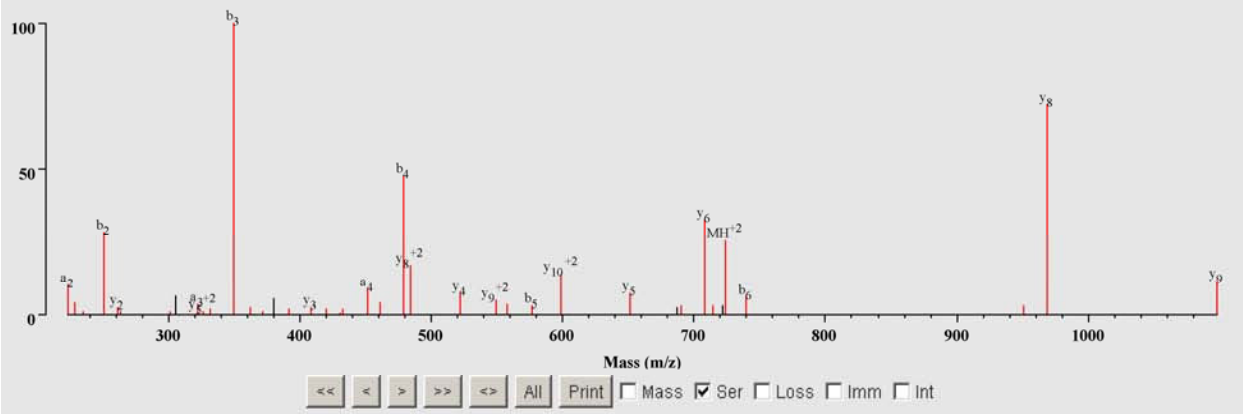
70.0719	129.1083	136.0810	187.0758	223.1138	233.1318	251.1070	261.1512	304.1718	318.1692
R(97) P(97)	K(47)	Y(39)	GE(24)	a_2(27)	b_2-H_2O(170) PY-28(14)	b_2(17)	PY(107) y_2(-17)	a_5^{+2}(27)	PYG(77) b_5^{+2}(26)
355.1788	**367.1982**	**407.1947**	**408.2153**	**425.2273**	**434.2296**	**448.2217**	**476.7337**	**482.2655**	**484.7297**
	RVE-H_2O(-29)	b_3(-22)	y_3(-22)	a_7-H_2O^{+2}(26)	a_7^{+2}(18)	GENF(87) b_7^{+2}(5.9)	b_8^{+2}(8.2)	RVEP(-14)	y_8^{+2}(5.1)
506.2696	**522.2696**	**527.2601**	**528.9101**	**533.2757**	**534.9294**	**541.2461**	**598.2708**	**635.3016**	**645.3009**
b_4(-5.1)	y_4(4.8)	a_9^{+2}(12)	MH-H_2O^{+3}(-18)	PYGEN-28(76)	MH^{+3}(12)	b_9^{+2}(-9.2)	b_{10}^{+2}(-2.9)	b_5(-21)	YRVEP(-54) RVEPY(-54)
651.2897	**676.8136**	**691.3028**	**708.3165**	**728.8347**	**732.3601**	**753.3303**	**871.3499**	**895.4107**	**968.4217**
y_5(-31)	y_{11}^{+2}(-29)	PYGENF-NH_3(44) y_6-NH_3(-2.6)	YGENFN-NH_3(76) PYGENF(25) y_6(-21)	b_{12}^{+2}(8.9)	b_6(-10)		y_7(-51)	b_7(-22)	y_8(-26)

[–] **Main Sequence Ions**

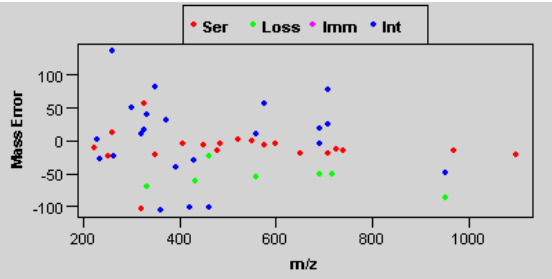
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1515.7227	758.3650
407.2037	204.1055	3	**R**	11	1352.6593	676.8333
506.2722	253.6397	4	**V**	10	1196.5582	598.7828
635.3148	318.1610	5	**E**	9	1097.4898	549.2485
732.3675	366.6874	6	**P**	8	968.4472	484.7272
895.4308	448.2191	7	**Y**	7	871.3945	436.2009
952.4523	476.7298	8	**G**	6	708.3311	354.6692
1081.4949	541.2511	9	**E**	5	651.3097	326.1585
1195.5378	598.2726	10	**N**	4	522.2671	261.6372
1342.6062	671.8068	11	**F**	3	408.2241	204.6157
1456.6492	728.8282	12	**N**	2	261.1557	131.0815
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVEPYGENFNK^{+2}



Max Intensity: **12.2**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **96.2%** Matched Series Intensity: **95.9%**



Sequence: SYVEPYGENFNK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H92 N15 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1447.5534	1446.6536	724.2804	723.8304

[–] Peak Matches

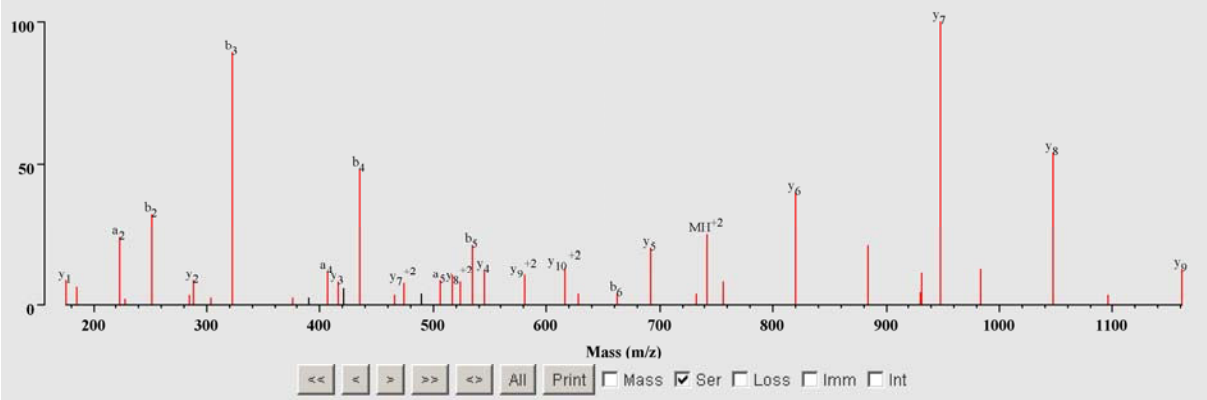
223.1054	229.1186	235.1378	251.0967	261.1591	263.1329	301.1292	305.1436	322.1429	326.1766
a_2(-10)	VE(1.4)	YV-28(-27)	b_2(-24)	PY(137) y_2(13)	YV(-23)	GEN(50)		YGE-28(9.8) a_3(-103)	y_5^{+2}(56) VEP(17)
332.1371	**350.1634**	**362.1326**	**372.1673**	**380.1490**	**392.1660**	**408.2220**	**420.1455**	**430.1593**	**433.1818**
YGE-H_2O(39) b_3-H_2O(-70)	YGE(82) b_3(-22)	EPY-28(-106)	EPY-H_2O(32)		YVE(-40)	y_3(-5.3)	GENF-28(-101)	GENF-H_2O(-30)	a_4-H_2O(-61)
451.2158	**461.1925**	**479.2059**	**484.7249**	**522.2683**	**549.2487**	**558.2247**	**576.2631**	**598.7801**	**651.2971**
a_4(-6.5)	b_4-H_2O(-23) VEPY-28(-102) YVEP-28(-102)	b_4(-16)	y_8^{+2}(-4.8)	y_4(2.3)	y_9^{+2}(0.28)	EPYGE-H_2O(9.4) b_5-H_2O(-56)	EPYGE(57) b_5(-5.7)	y_{10}^{+2}(-4.4)	y_5(-19)
687.3593	**690.2856**	**708.3169**	**714.7880**	**722.2194**	**723.8201**	**739.3187**	**951.3388**	**968.4322**	**1097.4654**
	EPYGEN(18) PYGENF-H_2O(-3.8) y_6-H_2O(-51)	YGENFN-NH_3(77) PYGENF(26) y_6(-20)	MH-H_2O^{+2}(-52)		MH^{+2}(-14)	b_6(-15)	EPYGENFN(-48) y_8-NH_3(-86)	y_8(-16)	y_9(-22)

[–] Main Sequence Ions

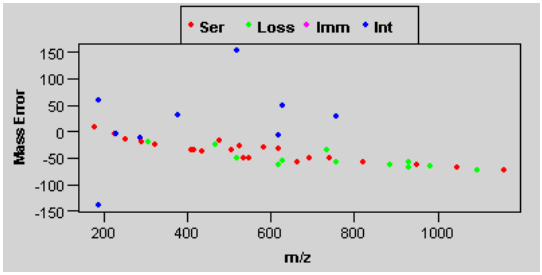
b			y	y^{+2}
---	1	S 12	---	---
251.1026	2	Y 11	1359.6216	680.3144
350.1710	3	V 10	1196.5582	598.7828
479.2136	4	E 9	1097.4898	549.2485
576.2664	5	P 8	968.4472	484.7272
739.3297	6	Y 7	871.3945	436.2009
796.3512	7	G 6	708.3311	354.6692
925.3938	8	E 5	651.3097	326.1585
1039.4367	9	N 4	522.2671	261.6372
1186.5051	10	F 3	408.2241	204.6157
1300.5481	11	N 2	261.1557	131.0815
---	12	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALVQQM(Oxidation)EQLR^{+2}



Max Intensity: **1359**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **98.1%**



Sequence SYALVQQM(Oxidation)EQLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H105 N18 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1482.5471	1481.7417	741.7773	741.3745

[–] **Peak Matches**

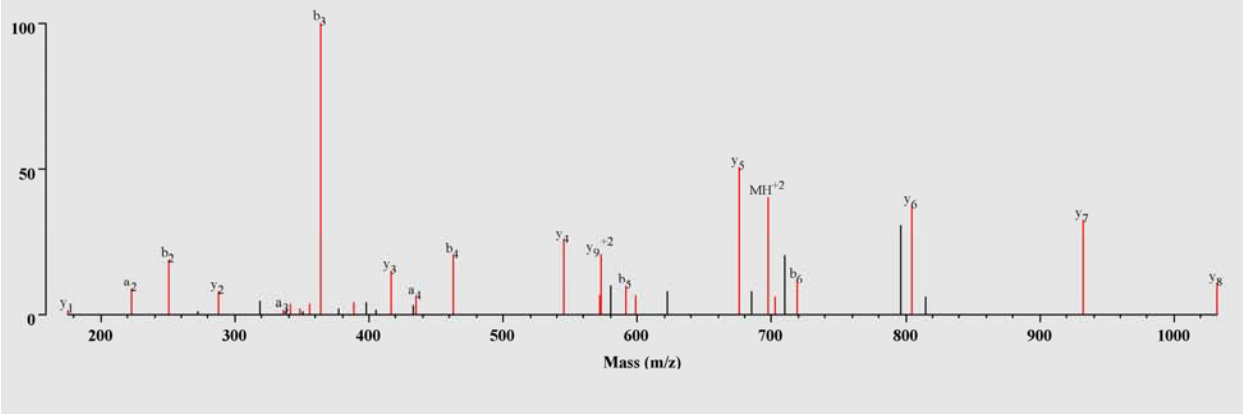
175.1202	185.1391	223.1069	228.1332	251.0991	284.1932	288.1972	304.1234	322.1318	376.1767
y_1(7.1)	AL(58) LV-28(-139)	a_2(-3.7)	VQ(-4.7)	b_2(-14)	ALV(-13)	y_2(-20)	b_3-H_2O(-19)	b_3(-25)	QQM(Oxidation)-28(31)
390.1919	**407.2145**	**416.2472**	**421.1948**	**435.2078**	**465.7149**	**474.7236**	**489.2541**	**506.2794**	**516.2551**
	a_4(-35)	y_3(-35)		b_4(-37)	y_7-H_2O^{+2}(-25)	y_7^{+2}(-18)		a_5(-35)	QQM(Oxidation)E-NH_3(153) QM(Oxidation)EQ-NH_3(153) b_5-H_2O(-51)
524.2523	**534.2648**	**545.2776**	**580.7906**	**616.3073**	**628.3069**	**662.3132**	**692.3043**	**732.8351**	**741.3367**
y_8^{+2}(-27)	b_5(-51)	y_4(-49)	y_9^{+2}(-30)	LVQQM(Oxidation)(-8.1) y_{10}^{+2}(-32) a_6-H_2O(-62)	QM(Oxidation)EQL-H_2O(49) y_5-$SOCH_4$(-55)	b_6(-57)	y_5(-51)	MH-NH_3^{+2}(-36)	MH^{+2}(-51)
756.3567	**820.3506**	**884.4026**	**930.3830**	**931.3762**	**948.3978**	**983.4640**	**1047.4541**	**1096.5304**	**1160.5257**
QQM(Oxidation)EQL-H_2O(29) y_6-$SOCH_4$(-57)	y_6(-58)	y_7-$SOCH_4$(-63)	y_7-H_2O(-68)	y_7-NH_3(-58)	y_7(-62)	y_8-$SOCH_4$(-64)	y_8(-68)	y_9-$SOCH_4$(-73)	y_9(-72)

[–] **Main Sequence Ions**

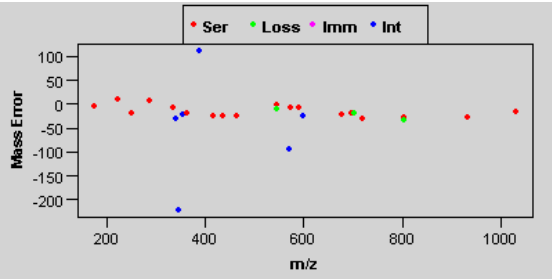
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1394.7097	697.8585
322.1397	3	A	10	1231.6463	616.3268
435.2238	4	L	9	1160.6092	580.8082
534.2922	5	V	8	1047.5252	524.2662
662.3508	6	Q	7	948.4567	474.7320
790.4094	7	Q	6	820.3982	410.7027
937.4448	8	M(Oxidation)	5	692.3396	346.6734
1066.4874	9	E	4	545.3042	273.1557
1194.5459	10	Q	3	416.2616	208.6344
1307.6300	11	L	2	288.2030	144.6051
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLVQQMEQLR^{+2}



Max Intensity: **12.4**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **79.1%** Matched Series Intensity: **77.5%**



Sequence: SYLVQQMEQLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H100 N17 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1395.6303	1394.7097	698.3188	697.8585

[–] **Peak Matches**

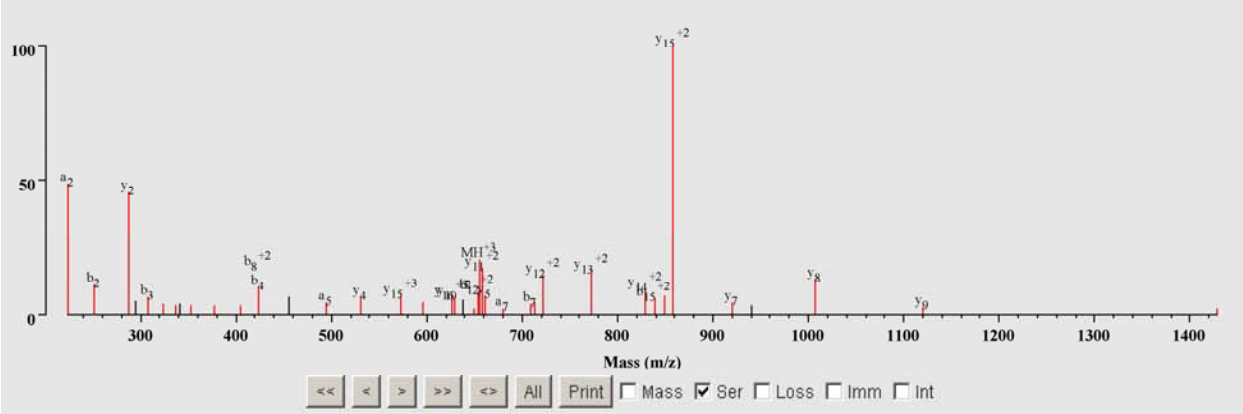
175.1181	**223.1096**	**251.0982**	**272.1478**	**288.2049**	**319.1616**	**336.1893**	**338.1306**	**341.2078**	**348.1507**
y_1(-4.9)	a_2(8.4)	b_2(-18)		y_2(6.5)		a_3(-7.4)		LVQ(-31)	YLV-28(-222)
350.1563	**356.1845**	**364.1799**	**377.1909**	**388.2079**	**398.1398**	**405.2003**	**416.2511**	**433.2035**	**435.2488**
	VQQ(-23)	b_3(-19)		QQM(111)			y_3(-25)		a_4(-26)
463.2437	**545.3029**	**572.2688**	**572.8055**	**580.2508**	**591.3086**	**598.2498**	**622.3117**	**676.3288**	**685.2813**
b_4(-25)	y_4(-2.4) a_5-H_2O(-9.7)	LVQQM-28(-94)	y_9^{+2}(-9.2)		b_5(-8.6)	VQQME-H_2O(-26)		y_5(-23)	
697.3188	**697.8462**	**702.3316**	**709.3501**	**719.3502**	**796.3758**	**804.3797**	**814.4077**	**932.4370**	**1031.5131**
	MH^{+2}(-18)	b_6-NH_3(-20)		b_6(-31)		y_6(-29) a_7-H_2O(-34)		y_7(-27)	y_8(-17)

[–] **Main Sequence Ions**

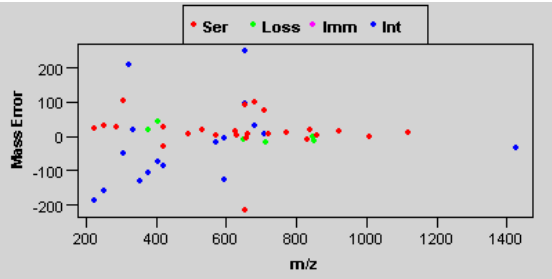
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1307.6776	654.3425
364.1867	3	L	9	1144.6143	572.8108
463.2551	4	V	8	1031.5302	516.2688
591.3137	5	Q	7	932.4618	466.7346
719.3723	6	Q	6	804.4032	402.7053
850.4128	7	M	5	676.3447	338.6760
979.4553	8	E	4	545.3042	273.1557
1107.5139	9	Q	3	416.2616	208.6344
1220.5980	10	L	2	288.2030	144.6051
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGDVEGHLSFLEKDLR^{+3}



Max Intensity: **18.4**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **94.6%** Matched Series Intensity: **94.4%**



Sequence: SYGDVEGHLSFLEKDLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C87 H134 N23 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1966.1710	1964.9712	983.5892	982.9893	656.0620	655.6619

[–] Peak Matches

223.1131	251.1108	288.2106	294.2556	308.1563	324.1985	336.1250	341.1912	353.1727	377.1529
a_2(24) HL-28(-189)	b_2(33) HL(-157)	y_2(26)		YGD-28(105) b_3(105) GHL(-50)	EGH(211)	YGD(18)		LEK-H_2O(-129)	a_4-H_2O(19) GHLS-H_2O(-107)
405.1582	**423.1628**	**456.1971**	**494.2273**	**531.3340**	**572.2983**	**595.2450**	**626.6599**	**629.3540**	**638.2790**
b_4-H_2O(44) VEGH-H_2O(-74)	b_4(28) b_8^{+2}(-28) VEGH(-85)		a_5(5.6)	y_4(17)	y_{15}^{+3}(2.6) LSFLE-H_2O(-17)	GDVEGH(-3.5) VEGHLS-28(-126)	y_{16}^{+3}(14)	y_{10}^{+2}(4.5)	
649.6526	**653.3677**	**655.5203**	**657.8578**	**660.3725**	**680.3563**	**708.3369**	**713.3656**	**722.3873**	**771.9257**
MH-H_2O^{+3}(-8.9)	EGHLSF-H_2O(97) b_{12}^{+2}(90)	GHLSFL(250) MH^{+3}(-216)	y_{11}^{+2}(-6.2)	y_5(7.5)	a_7(100) GDVEGHL-28(30)	b_7(75) GDVEGHL(8.1)	y_{12}-H_2O^{+2}(-17)	y_{12}^{+2}(5.7)	y_{13}^{+2}(11)
829.4233	**839.4067**	**848.9369**	**849.4167**	**857.9442**	**920.5337**	**939.9735**	**1007.5520**	**1120.6479**	**1427.6329**
y_{14}^{+2}(-9.1)	b_{15}^{+2}(18)	y_{15}-H_2O^{+2}(0.71)	y_{15}-NH_3^{+2}(-14)	y_{15}^{+2}(3.1)	y_7(15)		y_8(-0.021)	y_9(11)	GDVEGHLSFLEKD(-33)

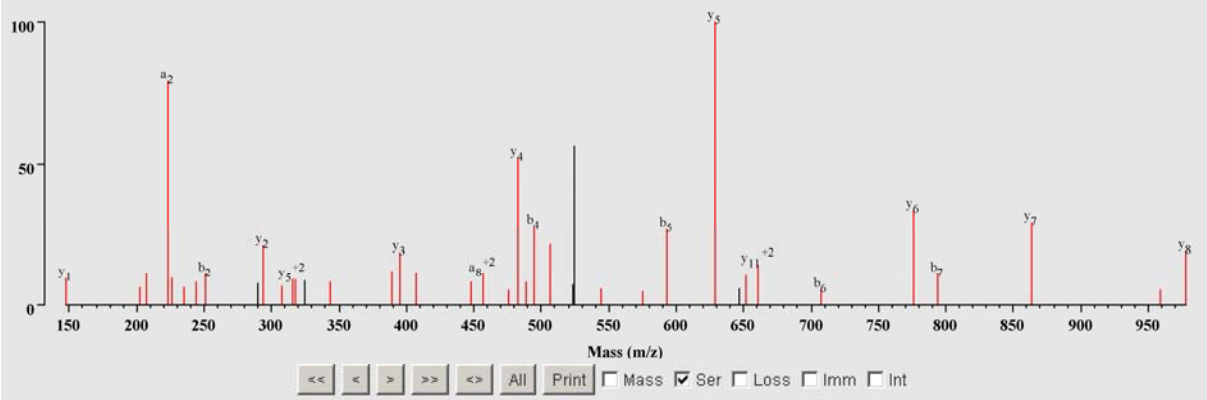
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1877.9392	939.4732
308.1241	---	3	G	15	1714.8759	857.9416
423.1510	---	4	D	14	1657.8544	829.4308
522.2195	---	5	V	13	1542.8275	771.9174
651.2620	---	6	E	12	1443.7591	722.3832
708.2835	---	7	G	11	1314.7165	657.8619
845.3424	423.1748	8	H	10	1257.6950	629.3511
958.4265	479.7169	9	L	9	1120.6361	560.8217
1045.4585	523.2329	10	S	8	1007.5520	504.2796
1192.5269	596.7671	11	F	7	920.5200	460.7636
1305.6110	653.3091	12	L	6	773.4516	387.2294
1434.6536	717.8304	13	E	5	660.3675	330.6874
1562.7485	781.8779	14	K	4	531.3249	266.1661
1677.7755	839.3914	15	D	3	403.2300	202.1186
1790.8596	895.9334	16	L	2	288.2030	144.6051

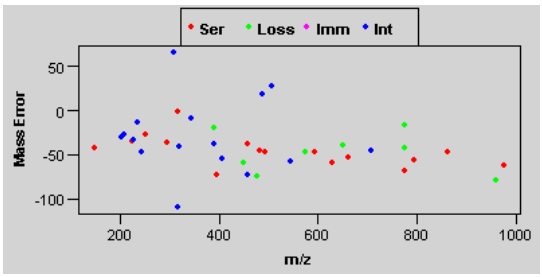
---	---	17	**R**	1	175.1190 88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDKVNSFFSTFK^{+3}



Max Intensity: **16.1**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **88.2%** Matched Series Intensity: **87.4%**



Sequence: SYDKVNSFFSTFK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C74 H105 N16 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1570.7526	1569.7584	785.8800	785.3828	524.2558	523.9243

[–] Peak Matches

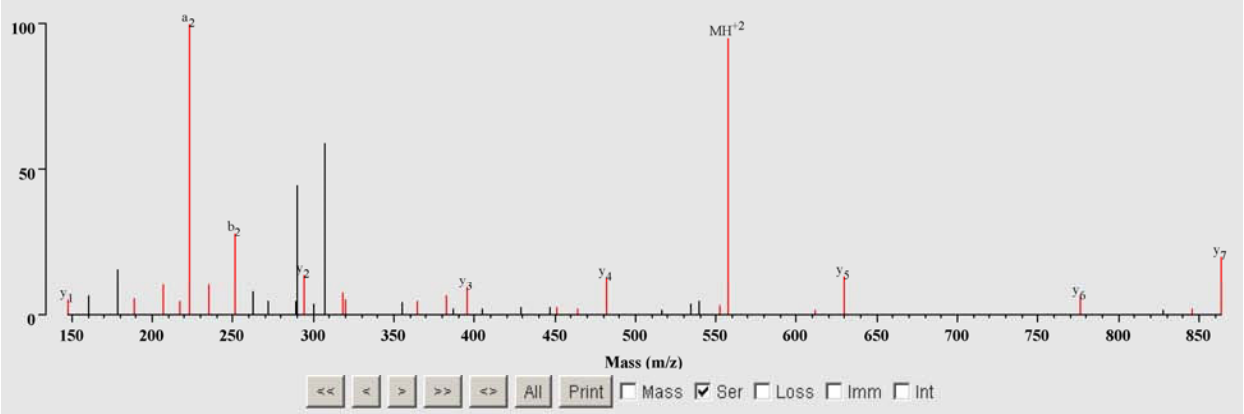
147.1066	202.0759	207.1073	223.1000	226.1111	235.1044	244.1178	251.0959	290.1685	294.1706
y_1(-42)	NS(-31)	SF-28(-27) FS-28(-27)	a_2(-35)	DK-H_2O(-33)	SF(-14) FS(-14)	DK(-47)	YD-28(-27) b_2(-27)		y_2(-36)
308.1809	**315.1679**	**318.1319**	**324.2002**	**343.1943**	**389.1670**	**395.2000**	**407.1702**	**448.1923**	**457.2070**
STF-28(66) FST-28(66)	y_5^{+2}(-1.3) DKV-28(-110)	STF-H_2O(-41) FST-H_2O(-41)		DKV(-9.6)	b_7-NH_3^{+2}(-19) YDK-H_2O(-38)	y_3(-73)	YDK(-55)	VNSF(-60) a_8-H_2O^{+2}(-60) a_4-H_2O(-60)	a_8^{+2}(-38) DKVN(-73)
476.1788	**482.2386**	**488.2592**	**494.2015**	**506.2749**	**523.2717**	**524.2791**	**544.2409**	**575.2554**	**593.2648**
b_4-H_2O(-74)	y_4(-46)	YDKV-H_2O(18)	b_4(-47)	YDKV(28)			DKVNS(-58)	b_5-H_2O(-47)	b_5(-47)
629.2921	**646.2922**	**651.3038**	**660.3000**	**707.3035**	**776.3442**	**794.3227**	**863.3891**	**959.3859**	**977.4125**
y_5(-59)		y_{11}-H_2O^{+2}(-40)	y_{11}^{+2}(-53)	b_6(-46) YDKVNS(-46)	b_7-H_2O(-17) MH-H_2O^{+2}(-43) y_6(-69)	b_7(-57)	y_7(-47)	y_8-H_2O(-79)	y_8(-62)

[–] Main Sequence Ions

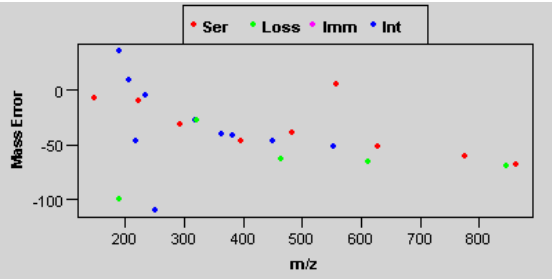
b	b^{+2}			y	y^{+2}
---	---	1	**S** 13	---	---
251.1026	---	2	**Y** 12	1482.7264	741.8668
366.1296	---	3	**D** 11	1319.6630	660.3352
494.2245	247.6159	4	**K** 10	1204.6361	602.8217
593.2930	297.1501	5	**V** 9	1076.5411	538.7742
707.3359	354.1716	6	**N** 8	977.4727	489.2400
794.3679	397.6876	7	**S** 7	863.4298	432.2185
941.4363	471.2218	8	**F** 6	776.3978	388.7025
1088.5047	544.7560	9	**F** 5	629.3293	315.1683
1175.5368	588.2720	10	**S** 4	482.2609	241.6341
1276.5844	638.7959	11	**T** 3	395.2289	198.1181
1423.6529	712.3301	12	**F** 2	294.1812	147.5942
---	---	13	**K** 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFFSTFK^{+2}



Max Intensity: **196**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **68.3%** Matched Series Intensity: **62.1%**



Sequence SYSFFSTFK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C55 H73 N10 O15

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1114.2504	1113.5251	557.6289	557.2662

[–] Peak Matches

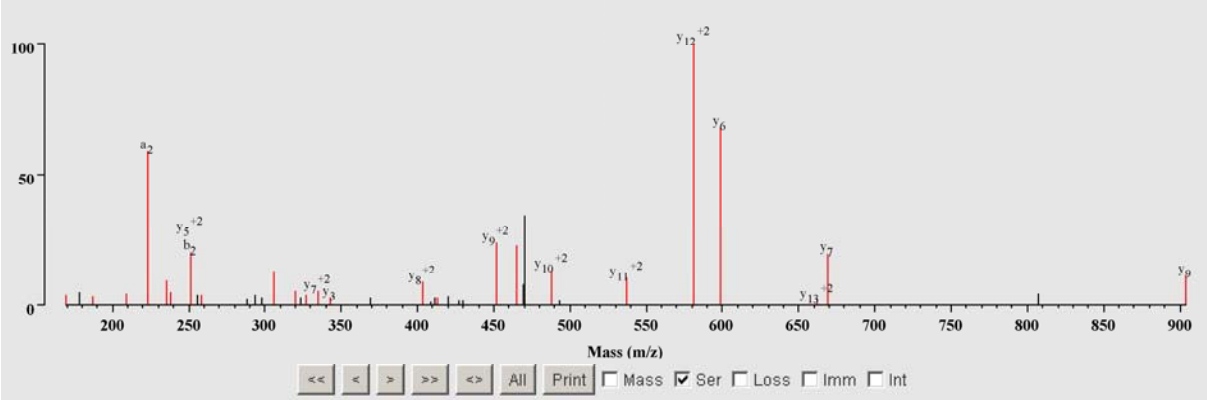
147.1117	**160.0769**	**178.0869**	**189.0938**	**207.1147**	**217.0869**	**223.1055**	**235.1067**	**251.0751**	**262.2098**
y_1(-7.5)			ST(36) y_3-H_2O^{+2}(-100)	SF-28(9.2) FS-28(9.2)	SF-H_2O(-47) FS-H_2O(-47)	YS-28(-9.9) a_2(-9.9)	SF(-4.3) FS(-4.3)	b_2(-110) YS(-110)	
272.1917	**289.2199**	**290.2041**	**294.1721**	**300.1230**	**307.2306**	**318.1358**	**320.1155**	**355.1563**	**364.1511**
			y_2(-31)			STF-H_2O(-28) FST-H_2O(-28)	b_3-H_2O(-27)		FFS-H_2O(-40) SFF-H_2O(-40)
382.1600	**387.1490**	**395.2103**	**405.1718**	**429.1954**	**447.1978**	**451.1770**	**464.2212**	**482.2419**	**516.2121**
SFF(-42) FFS(-42)		y_3(-47)				SFFS-H_2O(-46)	y_4-H_2O(-63)	y_4(-39)	
534.2036	**539.2549**	**552.2163**	**557.2693**	**611.2782**	**629.2964**	**776.3503**	**827.3531**	**845.3611**	**863.3710**
		SFFST-H_2O(-52)	MH^{+2}(5.5)	y_5-H_2O(-66)	y_5(-52)	y_6(-61)		y_7-H_2O(-69)	y_7(-68)

[–] Main Sequence Ions

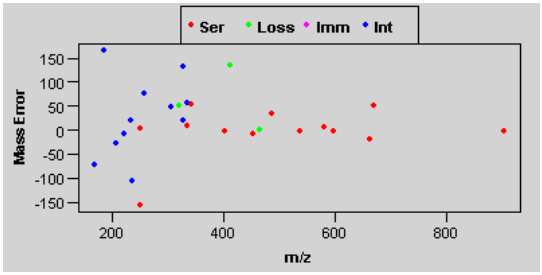
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1026.4931	513.7502
338.1347	3	S	863.4298	432.2185
485.2031	4	F	776.3978	388.7025
632.2715	5	F	629.3293	315.1683
719.3035	6	S	482.2609	241.6341
820.3512	7	T	395.2289	198.1181
967.4196	8	F	294.1812	147.5942
---	9	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVAPHAPASPAR^{+3}



Max Intensity: **2.01**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **83.7%** Matched Series Intensity: **82.7%**



Sequence SYSVAPHAPASPAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H96 N19 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1411.5696	1410.7124	706.2885	705.8599	471.1948	470.9090

[–] **Peak Matches**

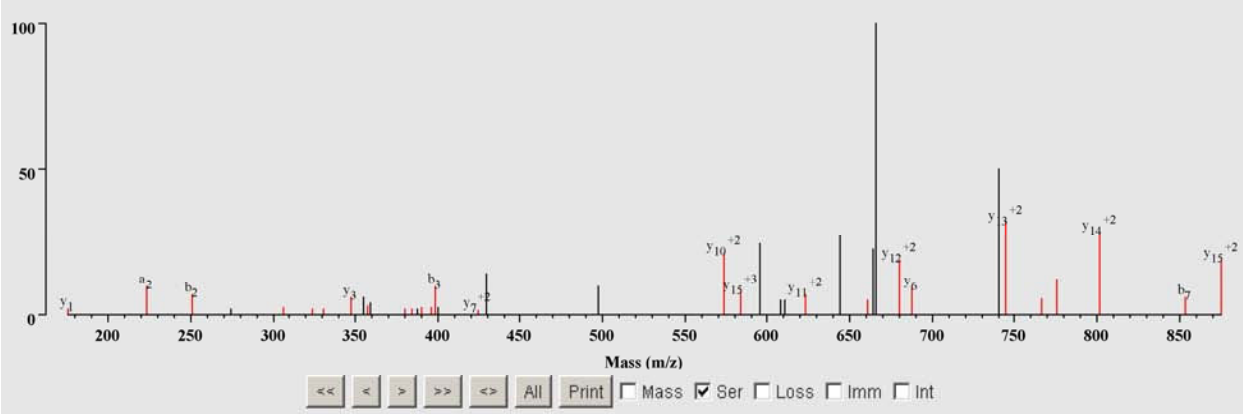
169.0848	**178.0851**	**187.1388**	**209.0972**	**223.1060**	**235.1234**	**238.0931**	**251.1033**	**256.0507**	**258.1645**
PA(-73) SV-H_2O(-73) AP(-73)		SV(166)	HA(-29)	a_2(-7.7) YS-28(-7.7)	PH(19)	PAS-H_2O(-107) ASP-H_2O(-107) SPA-H_2O(-107)	YS(2.7) b_2(2.7) y_5^{+2}(-157)		SVA(76)
288.1544	**293.1398**	**298.0568**	**306.1709**	**320.1405**	**323.1361**	**327.2096**	**335.1905**	**343.2272**	**369.1423**
			PHA(48) APH(48) HAP(48)	b_3-H_2O(51)		APAS(132) ASPA(132) SVAP-28(21)	PASP-H_2O(57) y_7^{+2}(8.8)	y_3(54)	
403.7156	**408.7875**	**411.1482**	**413.2695**	**420.1934**	**427.1904**	**430.0431**	**452.2399**	**464.9057**	**469.1883**
y_8^{+2}(-3.5)			y_4-NH_3(134)				y_9^{+2}(-7.7)	MH-H_2O^{+3}(0.48)	
470.2898	**487.7791**	**493.3021**	**537.2950**	**580.8151**	**598.3291**	**662.3316**	**669.4013**	**807.4425**	**903.4775**
	y_{10}^{+2}(35)		y_{11}^{+2}(-2.2)	y_{12}^{+2}(5.0)	y_6(-2.7)	y_{13}^{+2}(-18)	y_7(50)		y_9(-2.2)

[–] **Main Sequence Ions**

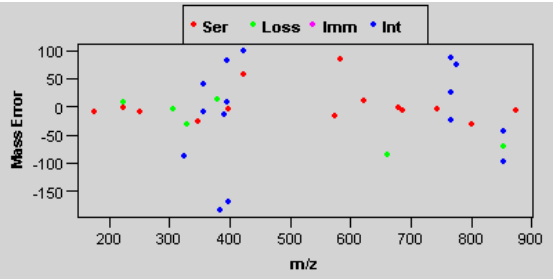
b	b^{+2}			y	y^{+2}
---	---	1	**S** 14	---	---
251.1026	---	2	**Y** 13	1323.6804	662.3438
338.1347	---	3	**S** 12	1160.6171	580.8122
437.2031	---	4	**V** 11	1073.5851	537.2962
508.2402	---	5	**A** 10	974.5166	487.7620
605.2930	---	6	**P** 9	903.4795	452.2434
742.3519	371.6796	7	**H** 8	806.4268	403.7170
813.3890	407.1981	8	**A** 7	669.3678	335.1876
910.4417	455.7245	9	**P** 6	598.3307	299.6690
981.4789	491.2431	10	**A** 5	501.2780	251.1426
1068.5109	534.7591	11	**S** 4	430.2409	215.6241
1165.5636	583.2855	12	**P** 3	343.2088	172.1081
1236.6008	618.8040	13	**A** 2	246.1561	123.5817
---	---	14	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)LENVSLVC(Carbamidomethyl)PKDATR^{+3}



Max Intensity: **2.84**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **45.2%** Matched Series Intensity: **44.7%**



Sequence: SYM(Oxidation)LENVSLVC(Carbamidomethyl)PKDATR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C84 H140 N23 O29 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1999.9873	1998.9623	1000.4973	999.9848	667.3340	666.9923

[–] Peak Matches

175.1174	223.1074	251.1003	274.0990	306.1436	324.1273	330.1671	347.1945	355.0550	357.1734
y_1(-8.9)	y_4-NH_3^{+2} (7.6) a_2(-1.4)	b_2(-9.3)		a_3-$SOCH_4$(-4.0)	PKD-NH_3(-87)	y_3-NH_3(-31)	y_3(-27)		VC(Carbamidomethyl)P (40) LEN(-9.7)
359.0111	**380.1327**	**384.1534**	**387.2484**	**390.1633**	**396.2274**	**398.1364**	**400.1427**	**424.2319**	**429.1230**
	b_3-H_2O(14)	PKDA-28(-184)		M(Oxidation)LE(-15)	YM(Oxidation)L-28(81) NVSL-H_2O(8.2)	b_3(-4.1) KDAT-H_2O(-168)		YM(Oxidation)L(99) y_7^{+2}(56)	
497.2458	**573.7913**	**583.6758**	**595.3178**	**608.3114**	**610.3020**	**623.3415**	**644.3538**	**660.9329**	**664.3598**
	y_{10}^{+2}(-16)	y_{15}^{+3}(83)				y_{11}^{+2}(11)		MH-H_2O^{+3}(-85)	
665.8440	**680.3542**	**687.3739**	**740.3764**	**744.8737**	**766.4099**	**775.4583**	**801.3940**	**853.3394**	**874.9303**
	y_{12}^{+2}(-2.8)	y_6(-6.6)		y_{13}^{+2}(-4.9)	YM(Oxidation)LENV(86) LVC(Carbamidomethyl)PKDA-H_2O (24) VSLVC(Carbamidomethyl)PK-H_2O(-24)	M(Oxidation)LENVSL-28 (73)	y_{14}^{+2}(-32)	b_7(-43) YM(Oxidation)LENVS(-43) b_{15}-H_2O^{+2}(-71) SLVC(Carbamidomethyl)PKDA-H_2O(-99)	y_{15}^{+2}(-7.8)

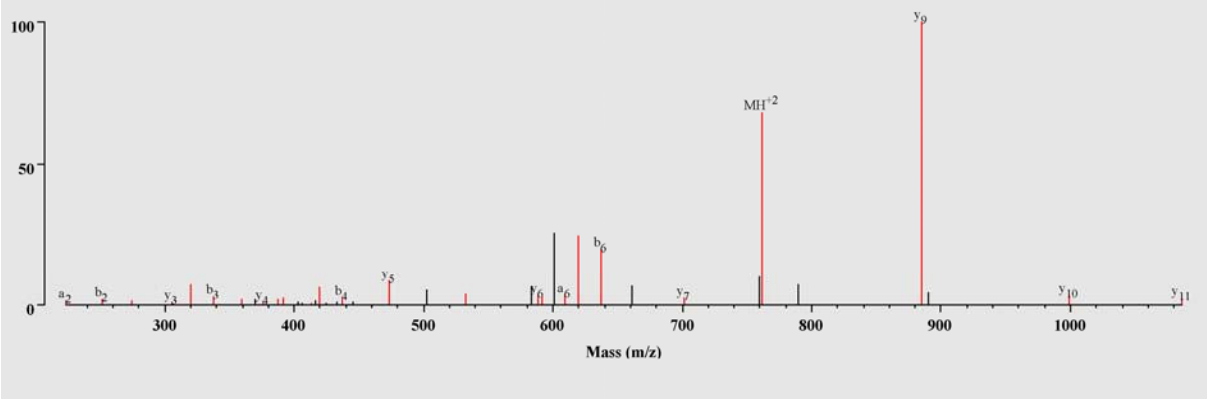
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1911.9303	956.4688
398.1380	---	3	M(Oxidation)	15	1748.8670	874.9371
511.2221	---	4	L	14	1601.8316	801.4194
640.2647	---	5	E	13	1488.7475	744.8774
754.3076	---	6	N	12	1359.7049	680.3561
853.3760	---	7	V	11	1245.6620	623.3346
940.4081	---	8	S	10	1146.5936	573.8004
1053.4921	---	9	L	9	1059.5615	530.2844
1152.5605	---	10	V	8	946.4775	473.7424
1312.5912	---	11	C(Carbamidomethyl)	7	847.4091	424.2082
1409.6439	---	12	P	6	687.3784	344.1928
1537.7389	769.3731	13	K	5	590.3257	295.6665
1652.7659	826.8866	14	D	4	462.2307	231.6190
1723.8030	862.4051	15	A	3	347.2037	174.1055

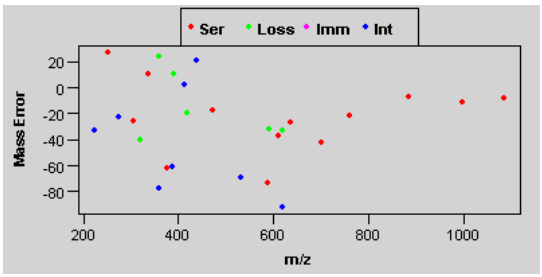
1824.8506	912.9290	16	**T**	2	276.1666	138.5870
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVSLPSLDPASAK^{+2}



Max Intensity: **7.44**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **78.1%** Matched Series Intensity: **73.0%**



Sequence: SYSVSLPSLDPASAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C67 H109 N16 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1522.7055	1521.7795	761.8565	761.3934

[–] **Peak Matches**

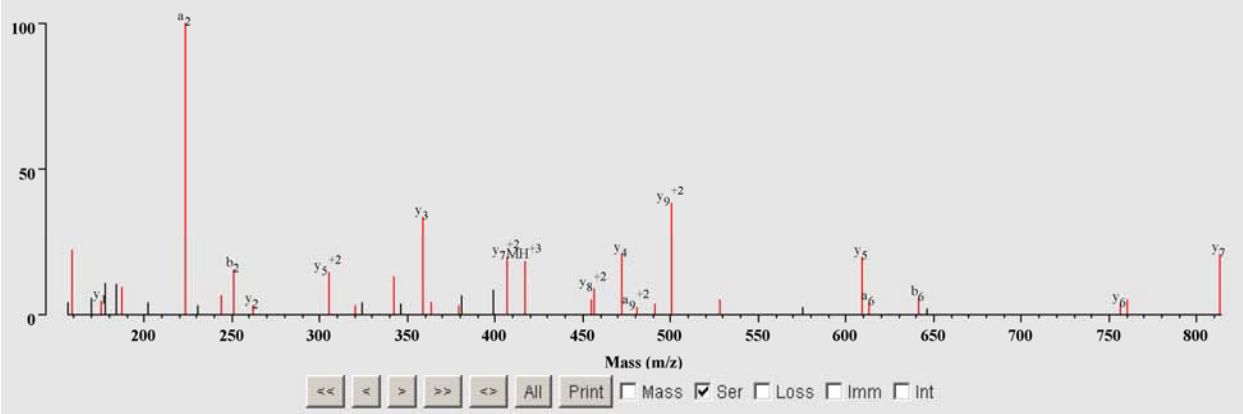
223.1003	**251.1093**	**274.1335**	**305.1739**	**320.1114**	**338.1380**	**359.2012**	**370.1508**	**376.1956**	**387.2000**
a_2(-33) YS-28(-33)	YS(27) b_2(27)	SVS(-23)	y_3(-26)	b_3-H_2O(-40)	b_3(9.9)	y_4-NH_3(24) SVSL-28(-77)		y_4(-62)	SVSL(-61)
391.2016	**403.1873**	**406.1634**	**413.2039**	**416.1877**	**419.1841**	**425.2033**	**433.2097**	**437.2122**	**445.6979**
a_4-H_2O(10)			SLDP(2.0) PSLD(2.0)		YSVS-H_2O(-20) b_4-H_2O(-20)			b_4(21) YSVS(21)	
473.2635	**502.2266**	**532.2398**	**583.2688**	**588.2559**	**591.2947**	**601.2817**	**609.3016**	**619.2882**	**637.3022**
y_5(-18)		YSVSL-H_2O(-69)		y_6(-73)	a_6-H_2O(-32)		a_6(-37)	b_6-H_2O(-33) YSVSLP-28(-92)	b_6(-27)
661.2626	**701.3533**	**759.3800**	**759.8861**	**761.3767**	**789.3338**	**885.4608**	**890.3796**	**998.5410**	**1085.5744**
	y_7(-42)			MH^{+2}(-22)		y_9(-7.7)		y_{10}(-11)	y_{11}(-8.6)

[–] **Main Sequence Ions**

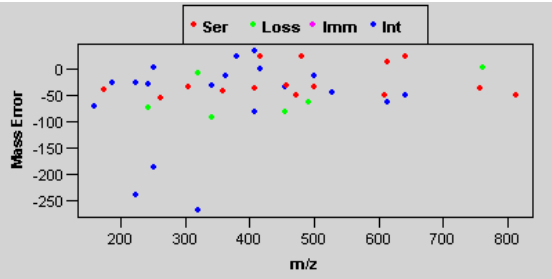
b			y	y^{+2}
---	1	S	15 ---	---
251.1026	2	Y	14 1434.7475	717.8774
338.1347	3	S	13 1271.6842	636.3457
437.2031	4	V	12 1184.6521	592.8297
524.2351	5	S	11 1085.5837	543.2955
637.3192	6	L	10 998.5517	499.7795
734.3719	7	P	9 885.4676	443.2374
821.4040	8	S	8 788.4149	394.7111
934.4880	9	L	7 701.3828	351.1951
1049.5150	10	D	6 588.2988	294.6530
1146.5677	11	P	5 473.2718	237.1396
1217.6048	12	A	4 376.2191	188.6132
1304.6369	13	S	3 305.1819	153.0946
1375.6740	14	A	2 218.1499	109.5786
---	15	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVGFHLPSR^{+3}



Max Intensity: **58.5**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **86.5%** Matched Series Intensity: **86.0%**



Sequence: SYSVGFHLPSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H85 N16 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1250.4081	1249.6324	625.7077	625.3198	417.4743	417.2157

[–] **Peak Matches**

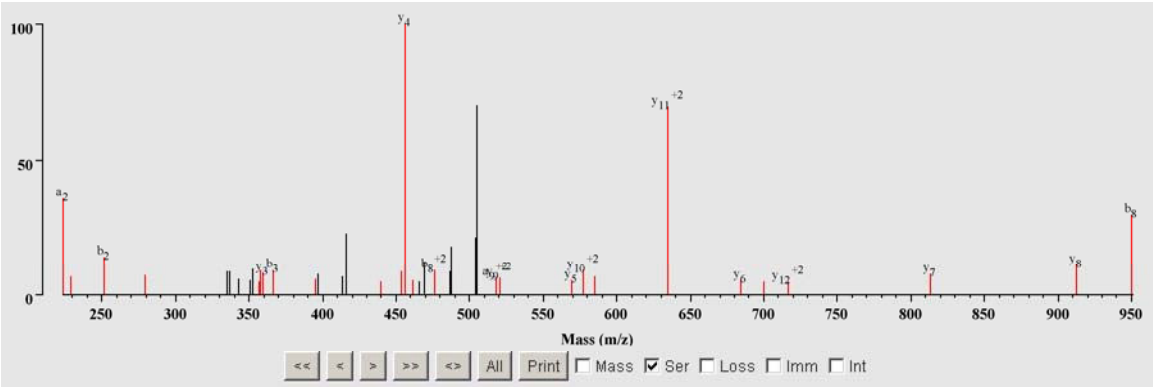
156.0979	159.1013	170.1114	175.1121	178.0839	184.1308	187.1027	202.1297	223.1014	230.1405
	SV-28(-72)		y_1(-39)			SV(-27)		a_2(-28) YS-28(-28) HL-28(-242)	
244.1222	**251.1034**	**262.1366**	**305.1662**	**320.1217**	**324.1405**	**342.1449**	**346.1830**	**359.1887**	**363.1978**
SVG(-29) y_2-H_2O(-75)	b_2(3.1) YS(3.1) HL(-187)	y_2(-55)	y_5^{+2}(-35)	b_3-H_2O(-7.5) HLP-28(-270)		GFH(-33) y_3-NH_3(-94)		y_3(-42)	SVGF-28(-13)
379.2060	**381.2100**	**399.2212**	**407.2064**	**417.2247**	**455.2240**	**456.7417**	**472.2631**	**480.7621**	**491.2353**
YSVG-28(22)			YSVG(34) y_7^{+2}(-38) HLPS-28(-83)	MH^{+3}(22) HLPS-H_2O(0.53)	GFHL(-35) y_4-NH_3(-82)	y_8^{+2}(-32)	y_4(-52)	a_9^{+2}(24)	y_9-H_2O^{+2}(-64)
500.2539	**528.2322**	**575.2781**	**609.3164**	**613.3059**	**641.3071**	**646.3499**	**756.3862**	**760.3424**	**813.3948**
SVGFH-28(-15) y_9^{+2}(-36)	SVGFH(-46)		y_5(-50)	a_6(13) SVGFHL-28(-65)	b_6(22) SVGFHL(-52)		y_6(-38)	b_7-H_2O(1.4)	y_7(-51)

[–] **Main Sequence Ions**

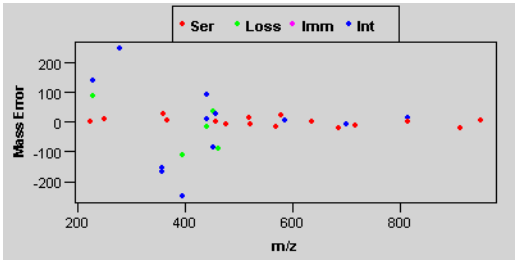
b	b^{+2}			y	y^{+2}
---	---	1	**S** 11	---	---
251.1026	---	2	**Y** 10	1162.6004	581.8038
338.1347	---	3	**S** 9	999.5370	500.2722
437.2031	---	4	**V** 8	912.5050	456.7561
494.2245	---	5	**G** 7	813.4366	407.2219
641.2930	---	6	**F** 6	756.4151	378.7112
778.3519	389.6796	7	**H** 5	609.3467	305.1770
891.4359	446.2216	8	**L** 4	472.2878	236.6475
988.4887	494.7480	9	**P** 3	359.2037	180.1055
1075.5207	538.2640	10	**S** 2	262.1510	131.5791
---	---	11	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDLKVEDIPLAR^{+3}



Max Intensity: **20.5**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **65.5%** Matched Series Intensity: **65.5%**



Sequence SYDLKVEDIPLAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H112 N17 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1519.7485	1518.8162	760.3780	759.9118	507.2545	506.9436

[–] **Peak Matches**

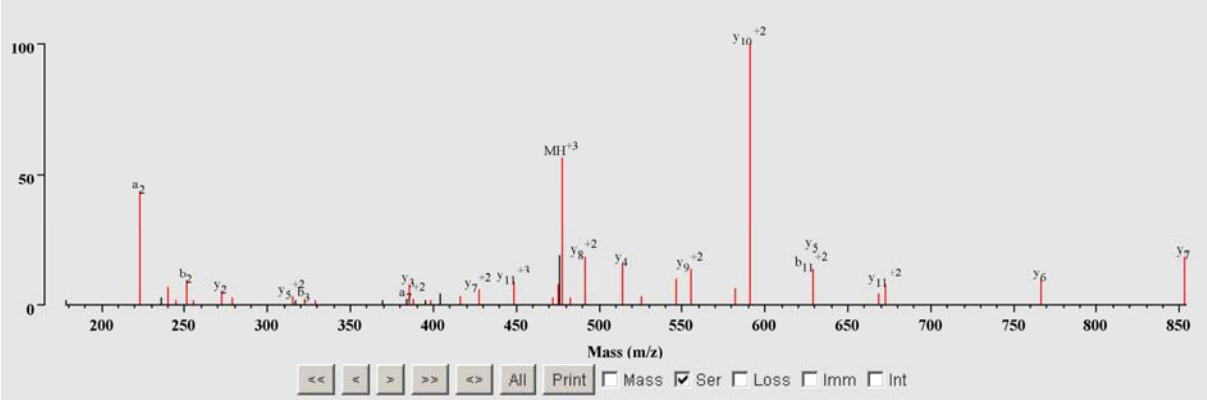
223.1075	229.1498	251.1048	279.1667	335.1316	337.1339	343.1834	351.1286	352.0691	357.1535
a_2(-0.98)	DI(138) DL(138) VE(138) y_2-NH_3(89)	YD-28(8.6) b_2(8.6)	YD(248)						DLK(-167) KVE(-167)
358.1056	**359.2491**	**366.1320**	**395.1666**	**397.1632**	**413.1983**	**416.1506**	**439.2589**	**453.2326**	**456.2941**
EDI(-154)	y_3(25)	b_3(6.6)	a_7-H_2O^{+2}(-112) IPLA(-250)				VEDI-H_2O(91) DIPL(8.6) DLKV-NH_3(8.6) y_4-NH_3(-17)	a_8-NH_3^{+2}(36) LKVE-NH_3(-84)	DLKV(27) y_4(2.6)
461.1627	**466.0756**	**469.2478**	**475.7235**	**486.2712**	**487.2797**	**504.2989**	**505.2643**	**518.2785**	**520.8045**
b_4-H_2O(-88)			b_8^{+2}(-7.2)					a_9^{+2}(14)	y_9^{+2}(-7.8)
569.3680	**577.3627**	**585.3284**	**634.8652**	**684.3908**	**700.3450**	**716.3868**	**813.4462**	**912.4973**	**950.4536**
y_5(-16)	y_{10}^{+2}(21)	KVEDI(7.1) DLKVE(7.1) LKVED(7.1)	y_{11}^{+2}(1.7)	y_6(-19)	DLKVED(-8.8)	y_{12}^{+2}(-12)	DLKVEDI(13) y_7(-0.39)	y_8(-19)	b_8(7.4)

[–] **Main Sequence Ions**

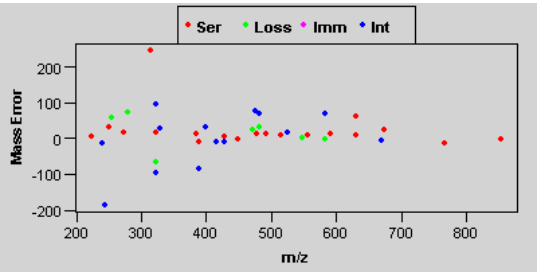
b	b^{+2}			y		y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1431.7842	716.3957
366.1296	---	3	D	11	1268.7209	634.8641
479.2136	---	4	L	10	1153.6939	577.3506
607.3086	304.1579	5	K	9	1040.6099	520.8086
706.3770	353.6921	6	V	8	912.5149	456.7611
835.4196	418.2134	7	E	7	813.4465	407.2269
950.4466	475.7269	8	D	6	684.4039	342.7056
1063.5306	532.2689	9	I	5	569.3770	285.1921
1160.5834	580.7953	10	P	4	456.2929	228.6501
1273.6674	637.3374	11	L	3	359.2401	180.1237
1344.7046	672.8559	12	A	2	246.1561	123.5817
---	---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAEKSHDELPR^{+3}



Max Intensity: **36.8**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **91.7%** Matched Series Intensity: **90.5%**



Sequence SYAEKSHDELPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C61 H95 N18 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1432.5419	1431.6863	716.7747	716.3468	478.1856	477.9003

[–] **Peak Matches**

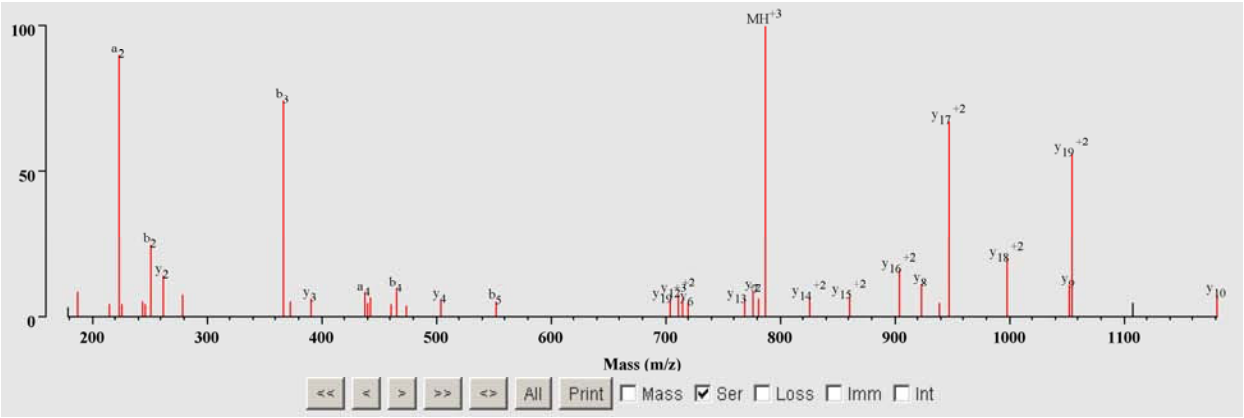
178.0889	223.1090	236.1316	240.1315	245.0309	251.1108	255.1596	272.1762	279.1604	315.2438
	a_2(5.8)		EK-H_2O(-12)	DE(-187)	b_2(33)	y_2-NH_3(57)	y_2(16)	y_7-H_2O^{+3}(73)	y_5^{+2}(246)
317.0560	**322.1451**	**329.1915**	**369.1277**	**384.2007**	**385.2606**	**388.1862**	**395.2061**	**398.2163**	**403.8335**
	SHD-H_2O(95) b_3(17) y_8-NH_3^{+3}(-66) ELP-H_2O(-96)	AEK(29)			y_3(13)	a_7^{+2}(-11) AEKS-28(-85)		AEKS-H_2O(32)	
416.2105	**427.2139**	**448.8892**	**471.9084**	**475.2550**	**476.2520**	**477.9057**	**482.2684**	**491.2653**	**514.3026**
AEKS(-8.3)	y_7^{+2}(5.0) DELP-28(-11)	y_{11}^{+3}(-0.90)	MH-H_2O^{+3}(25)	YAEK-NH_3(76)		MH^{+3}(11)	EKSH(68) y_8-H_2O^{+2}(30)	y_8^{+2}(12)	y_4(8.2)
525.2869	**546.7757**	**555.7858**	**582.2917**	**591.3057**	**629.3303**	**668.2951**	**672.8459**	**766.3746**	**853.4152**
AEKSH-28(17)	y_9-H_2O^{+2}(0.80)	y_9^{+2}(9.5)	SHDEL(68) y_{10}-H_2O^{+2}(-3.6)	y_{10}^{+2}(11)	b_{11}^{+2}(63) y_5(7.9)	AEKSHD(-7.1)	y_{11}^{+2}(22)	y_6(-13)	y_7(-1.2)

[–] **Main Sequence Ions**

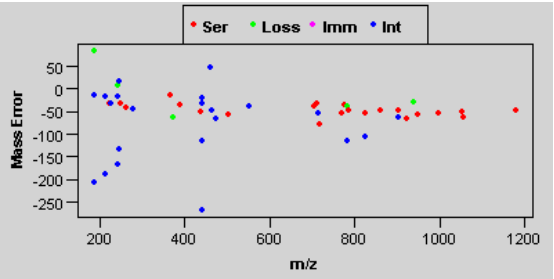
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1344.6543	672.8308
322.1397	---	3	A	10	1181.5909	591.2991
451.1823	---	4	E	9	1110.5538	555.7805
579.2773	290.1423	5	K	8	981.5112	491.2592
666.3093	333.6583	6	S	7	853.4163	427.2118
803.3682	402.1878	7	H	6	766.3842	383.6958
918.3952	459.7012	8	D	5	629.3253	315.1663
1047.4378	524.2225	9	E	4	514.2984	257.6528
1160.5218	580.7646	10	L	3	385.2558	193.1315
1257.5746	629.2909	11	P	2	272.1717	136.5895
---	---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDVSSALDKLKEFGNTLEDK^{+3}



Max Intensity: **17.7**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.8%** Matched Series Intensity: **98.6%**



Sequence SYDVSSALDKLKEFGNTLEDK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C103 H164 N25 O38

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2360.5958	2359.1664	1180.8016	1180.0868	787.5369	787.0603

[–] Peak Matches

178.0788	187.1053	215.0987	223.1004	226.1111	244.1251	246.1121	251.0944	262.1289	279.0852
	y_3-H_2O^{+2}(84) DV-28(-13) VS(-13) TL-28(-207)	DV(-18) TL(-187) LE-28(-187)	a_2(-33)	DK-H_2O(-33)	y_4-NH_3^{+2}(6.3) y_2-H_2O(-17) DK(-17) SAL-28(-166)	SSA(15) VSS-28(-133)	YD-28(-33) b_2(-33)	y_2(-41)	YD(-44)
366.1242	**373.1488**	**391.1691**	**437.1811**	**440.2000**	**442.1839**	**460.2251**	**465.1760**	**474.1881**	**504.2370**
b_3(-15)	y_3-H_2O(-62)	y_3(-34)	YDVS-28(-50) a_4(-50)	NTLE-H_2O(-32) VSSAL-H_2O(-114)	DVSSA-H_2O(-21) LDKL-28(-268)	DVSSA(46)	b_4(-47) YDVS(-47)	SSALD(-66)	y_4(-58)
552.2091	**703.6687**	**711.3616**	**715.3604**	**719.3018**	**768.8577**	**776.3521**	**781.3545**	**787.0233**	**825.3957**
b_5(-38) YDVSS(-38)	y_{19}^{+3}(-38)	y_{12}^{+2}(-33)	SSALDKL(-53)	y_6(-77)	y_{13}^{+2}(-54)	y_7(-34)	MH-NH_3^{+3}(-39) ALDKLKE-NH_3(-116)	MH^{+3}(-47)	y_{14}^{+2}(-55) SSALDKLK-H_2O(-106)
860.9175	**904.4307**	**923.3846**	**938.9590**	**947.9383**	**997.4710**	**1052.4364**	**1054.9723**	**1107.5118**	**1180.5267**
y_{15}^{+2}(-49)	y_{16}^{+2}(-49) DKLKEFGN-28(-64)	y_8(-67)	y_{17}-H_2O^{+2}(-29)	y_{17}^{+2}(-56)	y_{18}^{+2}(-55)	y_9(-50)	y_{19}^{+2}(-63)		y_{10}(-49)

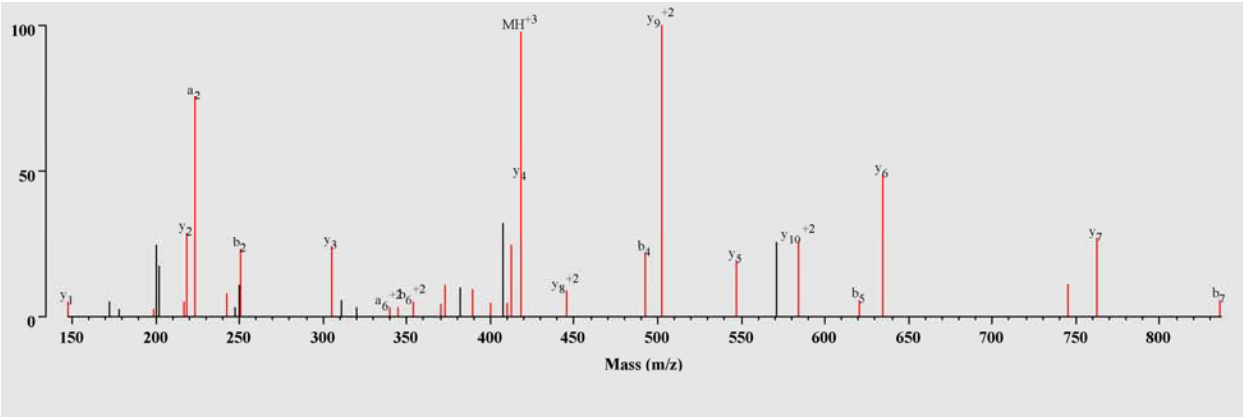
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 21	---	---
251.1026	---	2	Y 20	2272.1343	1136.5708
366.1296	---	3	D 19	2109.0710	1055.0391
465.1980	---	4	V 18	1994.0441	997.5257
552.2300	---	5	S 17	1894.9756	947.9915
639.2620	---	6	S 16	1807.9436	904.4754
710.2992	---	7	A 15	1720.9116	860.9594
823.3832	---	8	L 14	1649.8745	825.4409
938.4102	---	9	D 13	1536.7904	768.8988
1066.5051	533.7562	10	K 12	1421.7635	711.3854
1179.5892	590.2982	11	L 11	1293.6685	647.3379
1307.6842	654.3457	12	K 10	1180.5844	590.7959
1436.7268	718.8670	13	E 9	1052.4895	526.7484
1583.7952	792.4012	14	F 8	923.4469	462.2271
1640.8166	820.9120	15	G 7	776.3785	388.6929

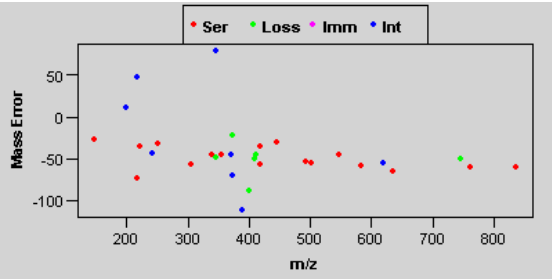
1754.8596	877.9334	16	**N**	6	719.3570	360.1821
1855.9072	928.4573	17	**T**	5	605.3141	303.1607
1968.9913	984.9993	18	**L**	4	504.2664	252.6368
2098.0339	1049.5206	19	**E**	3	391.1823	196.0948
2213.0608	1107.0341	20	**D**	2	262.1397	131.5735
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYIKQSELSAK^{+3}



Max Intensity: **55.7**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **82.6%** Matched Series Intensity: **79.3%**



Sequence: SYIKQSELSAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H93 N14 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1254.4343	1253.6736	627.7209	627.3404	418.8164	418.5627

[–] **Peak Matches**

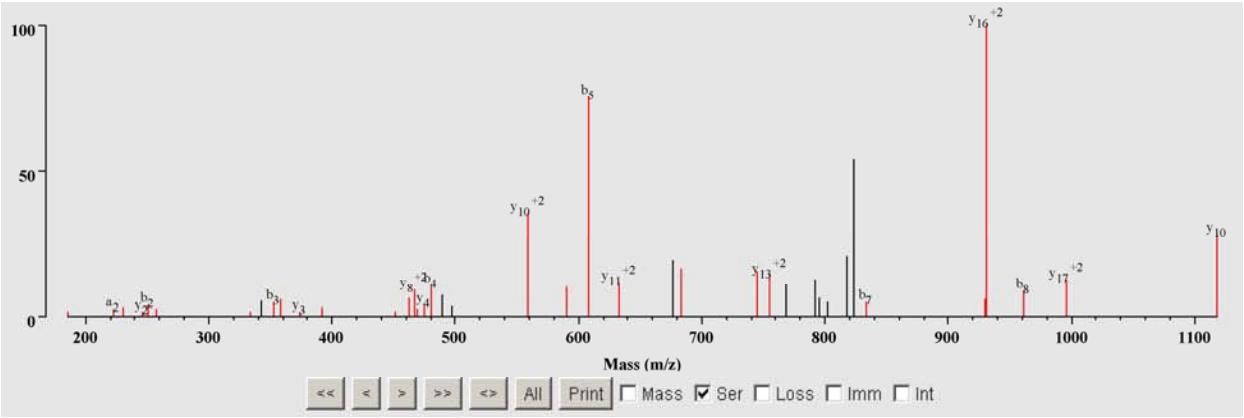
147.1089	172.1305	178.0814	199.0736	200.1232	202.1404	217.0923	218.1338	223.1000	242.1757
y_1(-27)			SE-H_2O(11) QS-NH_3(11)			SE(48)	y_2(-74)	a_2(-35)	IK(-44)
247.1346	**250.0951**	**251.0944**	**305.1646**	**311.1636**	**320.1488**	**340.1766**	**345.1677**	**354.1735**	**370.2277**
		b_2(-33)	y_3(-57)			a_6^{+2}(-46)	QSE(79) b_6-H_2O^{+2}(-49)	b_6^{+2}(-46)	IKQ(-46)
373.1817	**382.1992**	**389.1595**	**400.2203**	**407.1771**	**409.6852**	**412.5405**	**418.2421**	**418.5480**	**445.7373**
y_7-NH_3^{+2}(-22) ELSA-28(-71)		SELS-28(-112)	y_4-H_2O(-88)		b_7-H_2O^{+2}(-50)	MH-H_2O^{+3}(-45)	y_4(-57)	MH^{+3}(-35)	y_8^{+2}(-30)
492.2553	**502.2646**	**547.2833**	**570.7676**	**583.7897**	**620.3054**	**634.2995**	**745.3346**	**762.3531**	**836.3647**
b_4(-54)	y_9^{+2}(-56)	y_5(-46)		y_{10}^{+2}(-59)	b_5(-56) YIKQS(-56)	y_6(-65)	y_7-NH_3(-51)	y_7(-60)	b_7(-60)

[–] **Main Sequence Ions**

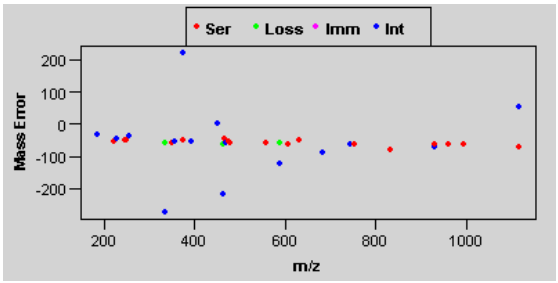
b	b^{+2}			y		y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1166.6416	583.8244
364.1867	---	3	I	9	1003.5782	502.2928
492.2817	246.6445	4	K	8	890.4942	445.7507
620.3402	310.6738	5	Q	7	762.3992	381.7032
707.3723	354.1898	6	S	6	634.3406	317.6740
836.4149	418.7111	7	E	5	547.3086	274.1579
949.4989	475.2531	8	L	4	418.2660	209.6366
1036.5310	518.7691	9	S	3	305.1819	153.0946
1107.5681	554.2877	10	A	2	218.1499	109.5786
---	---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTQQPQQDEM(Oxidation)PSPTFLTQVK^{+3}



Max Intensity: **342**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **73.6%** Matched Series Intensity: **73.6%**



Sequence: SYTQQPQQDEM(Oxidation)PSPTFLTQVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C107 H166 N27 O38 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2470.5722	2469.1602	1235.7898	1235.0838	824.1957	823.7249

[–] Peak Matches

185.0862	223.0957	230.1032	246.1685	251.0899	257.1151	334.1208	342.1571	352.1300	358.1528
PS(-32) SP(-32)	a_2(-54)	TQ(-45)	y_2(-52)	b_2(-51)	QQ(-36)	b_3-H_2O(-57) TFL-28(-274) FLT-28(-274)		b_3(-58)	TQQ(-54)
374.2208	**392.0905**	**451.1946**	**462.1702**	**467.2521**	**469.1771**	**475.2624**	**480.1812**	**489.7409**	**497.2126**
EM(Oxidation)P(221) y_3(-51)	DEM(Oxidation)(-55)	PQQD-H_2O(2.3)	b_4-H_2O(-61) FLTQ-28(-218)	y_8^{+2}(-47)	PQQD(-58)	y_4(-53)	b_4(-58)		
559.2837	**590.2213**	**608.2282**	**632.8011**	**676.7382**	**683.2880**	**745.2356**	**754.8228**	**768.7738**	**792.3795**
y_{10}^{+2}(-58)	b_5-H_2O(-60) YTQQP-28(-122)	b_5(-65)	y_{11}^{+2}(-52)		TQQPQQ-28(-87)	PQQDEM(Oxidation)(-62) QQDEM(Oxidation)P(-62)	y_{13}^{+2}(-61)		
794.8669	**802.5349**	**817.8766**	**823.6659**	**833.3104**	**929.3010**	**931.3938**	**961.3773**	**995.4187**	**1117.5467**
				b_7(-82)	QQDEM(Oxidation)PSP(-71) PQQDEM(Oxidation)PS(-71)	y_{16}^{+2}(-64)	YTQQPQQD-28(-62) b_8(-62)	y_{17}^{+2}(-65)	DEM(Oxidation)PSPTFLT-H_2O(53) y_{10}(-70)

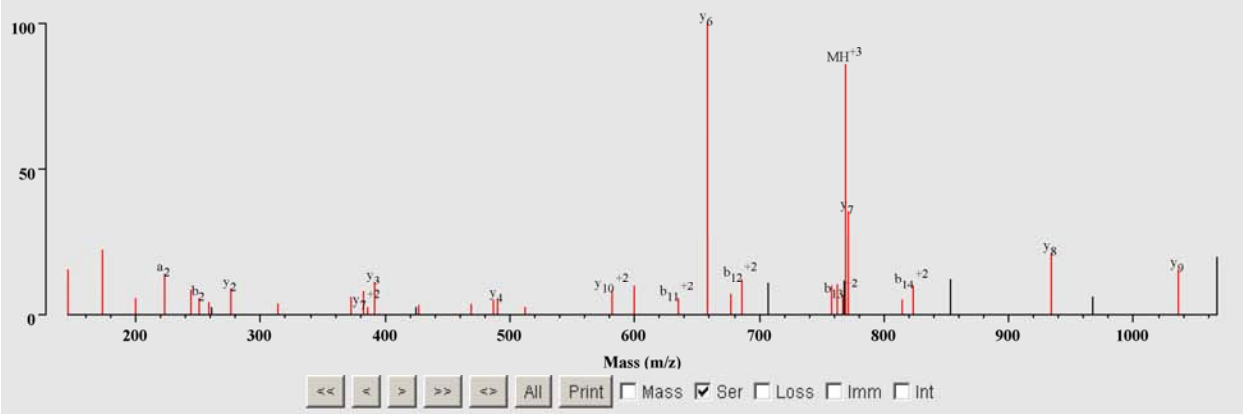
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	21	---	---
251.1026	2	Y	20	2382.1282	1191.5677
352.1503	3	T	19	2219.0649	1110.0361
480.2089	4	Q	18	2118.0172	1059.5122
608.2675	5	Q	17	1989.9586	995.4829
705.3202	6	P	16	1861.9000	931.4537
833.3788	7	Q	15	1764.8473	882.9273
961.4374	8	Q	14	1636.7887	818.8980
1076.4643	9	D	13	1508.7301	754.8687
1205.5069	10	E	12	1393.7032	697.3552
1352.5423	11	M(Oxidation)	11	1264.6606	632.8339
1449.5951	12	P	10	1117.6252	559.3162
1536.6271	13	S	9	1020.5724	510.7898
1633.6799	14	P	8	933.5404	467.2738
1734.7276	15	T	7	836.4876	418.7475
1881.7960	16	F	6	735.4400	368.2236
1994.8800	17	L	5	588.3715	294.6894

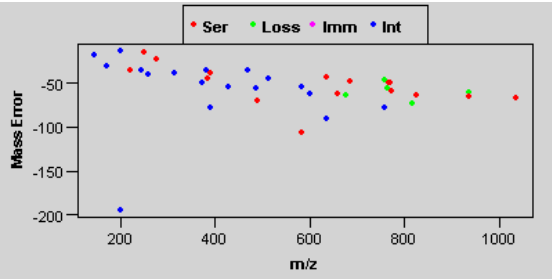
2095.9277	18	**T**	4	475.2875	238.1474
2223.9863	19	**Q**	3	374.2398	187.6235
2323.0547	20	**V**	2	246.1812	123.5942
---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTAAQNLYEKTYLPAVDEK^{+3}



Max Intensity: **45.5**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **88.1%** Matched Series Intensity: **85.0%**



Sequence SYTAAQNLYEKTYLPAVDEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C104 H159 N24 O35

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2305.5622	2304.1394	1153.2848	1152.5733	769.1923	768.7180

[–] Peak Matches

145.0945	173.0867	200.1004	223.1000	244.1207	251.0989	258.1344	261.1385	276.1491	314.1338
TA-28(-18)	TA(-31)	AQ(-13) NL-28(-195)	a_2(-35)	TAA(-35)	b_2(-15)	AVD-28(-40) y_2-H_2O(-40) EK(-40)		y_2(-23)	AQN(-39)
372.1695	**383.1786**	**386.1986**	**391.1672**	**425.2134**	**427.2063**	**469.1873**	**486.2037**	**490.2165**	**512.2120**
TAAQ(-49)	PAVD(-36)	y_7^{+2}(-45)	y_3(-39) NLY(-78)		AQNL(-55)	TAAQN-NH_3(-36)	TAAQN(-56)	y_4(-70)	PAVDE(-45)
582.2564	**599.2778**	**635.2819**	**658.3001**	**676.7850**	**685.8001**	**707.3287**	**758.3239**	**762.6720**	**767.3260**
TAAQNL-NH_3(-55) y_{10}^{+2}(-107)	TAAQNL(-62)	b_{11}^{+2}(-43) EKTYL(-91) LYEKT(-91)	y_6(-62)	b_{12}-H_2O^{+2}(-63)	b_{12}^{+2}(-48)		b_{13}-H_2O^{+2}(-47) QNLYEK-H_2O(-78)	MH-H_2O^{+3}(-56)	b_{13}^{+2}(-50)
768.3435	**768.6793**	**771.3790**	**814.8421**	**823.8548**	**853.3728**	**934.4260**	**966.9372**	**1035.4659**	**1066.4583**
	MH^{+3}(-50)	y_7(-59)	b_{14}-H_2O^{+2}(-73)	b_{14}^{+2}(-63)		a_{17}-H_2O^{+2}(-61) y_8(-66)		y_9(-67)	

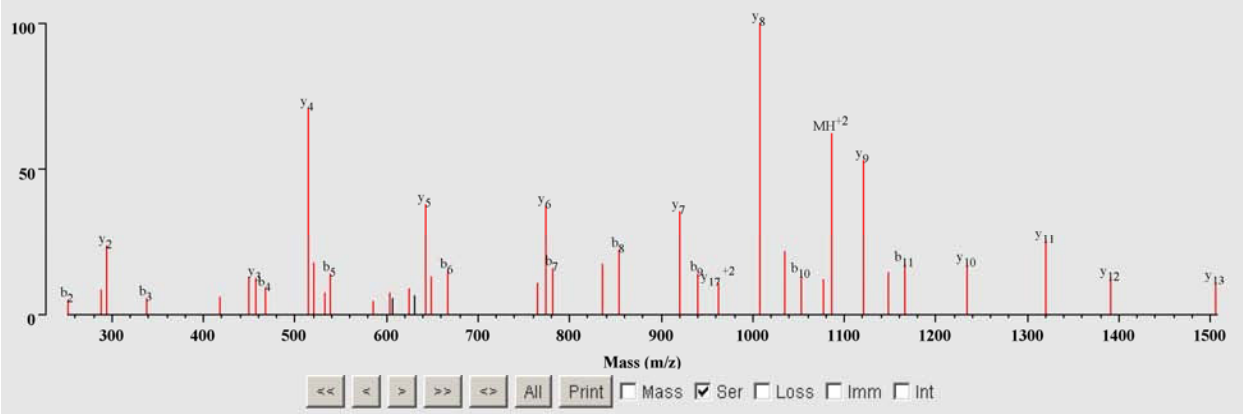
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 20	---	---
251.1026	---	2	Y 19	2217.1074	1109.0573
352.1503	---	3	T 18	2054.0441	1027.5257
423.1874	---	4	A 17	1952.9964	977.0018
494.2245	---	5	A 16	1881.9593	941.4833
622.2831	---	6	Q 15	1810.9222	905.9647
736.3260	---	7	N 14	1682.8636	841.9354
849.4101	---	8	L 13	1568.8207	784.9140
1012.4734	---	9	Y 12	1455.7366	728.3719
1141.5160	---	10	E 11	1292.6733	646.8403
1269.6110	635.3091	11	K 10	1163.6307	582.3190
1370.6587	685.8330	12	T 9	1035.5357	518.2715
1533.7220	767.3646	13	Y 8	934.4880	467.7477
1646.8061	823.9067	14	L 7	771.4247	386.2160
1743.8588	872.4331	15	P 6	658.3406	329.6740
1814.8959	907.9516	16	A 5	561.2879	281.1476

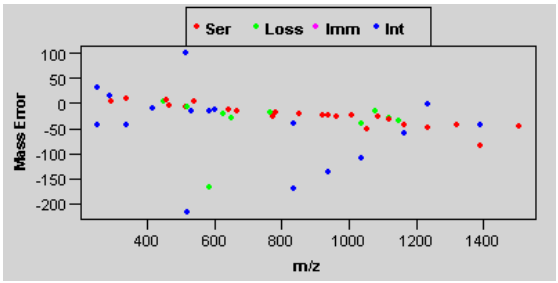
1913.9644	957.4858	17	**V**	4	490.2508	245.6290
2028.9913	1014.9993	18	**D**	3	391.1823	196.0948
2158.0339	1079.5206	19	**E**	2	276.1554	138.5813
---	---	20	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSEAEDASLLSFMQGYM(Oxidation)K^{+2}



Max Intensity: **34.9**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.5%** Matched Series Intensity: **98.4%**



Sequence: SYSEAEDASLLSFMQGYM(Oxidation)K
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C94 H142 N21 O34 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2174.2630	2172.9464	1087.6352	1086.9768

[–] Peak Matches

251.1103	288.1235	294.1494	338.1383	417.1571	449.1687	457.2149	467.1756	514.2301	520.2002
b_2(31) YS(31) FM-28(-44)	SEA(16) EDA-28(16) AED-28(16)	y_2(4.1)	b_3(11) SFM-28(-44)	EAED-28(-11) SEAE(-11)	b_4-H_2O(4.5)	y_3(7.4)	b_4(-3.5)	SEAED-H_2O(101) y_4(-5.6)	b_5-H_2O(-6.9) SLLSF-28(-217)
532.1805	**538.2163**	**585.2071**	**603.2182**	**606.8122**	**625.2520**	**631.2317**	**642.2831**	**649.2281**	**667.2477**
SEAED(-15)	b_5(3.6)	EAEDAS-H_2O(-14) SEAEDA-H_2O(-14) y_{10}-$SOCH_4^{+2}$(-167)	SEAEDA(-12) EAEDAS(-12)		y_5-NH_3(-21)		y_5(-13)	b_6-H_2O(-28)	YSEAED-28(-14) b_6(-14)
764.2600	**773.3124**	**782.2698**	**835.2779**	**853.3021**	**920.3791**	**940.3301**	**961.9033**	**1007.4080**	**1035.3861**
b_7-H_2O(-17)	y_6(-25)	b_7(-18)	b_8-H_2O(-39) YSEAEDAS-H_2O(-39) EDASLLSF-28(-170)	YSEAEDAS(-22) b_8(-22)	y_7(-23)	b_9(-24) LLSFMQGY(-138)	y_{17}^{+2}(-27)	a_{10}-H_2O(-23) y_8(-24)	b_{10}-H_2O(-39) EAEDASLLSF-28(-109)
1053.3837	**1077.9553**	**1086.9470**	**1120.4822**	**1148.4705**	**1166.4709**	**1233.5427**	**1320.5777**	**1391.5544**	**1506.6279**
b_{10}(-51)	MH-H_2O^{+2}(-15)	MH^{+2}(-27)	a_{11}-H_2O(-30) y_9(-31)	YSEAEDASLLS-H_2O(-35) b_{11}-H_2O(-35)	YSEAEDASLLS(-43) b_{11}(-43) EAEDASLLSFM-28(-59)	AEDASLLSFMQG-NH_3(-2.4) y_{10}(-47)	y_{11}(-42)	SEAEDASLLSFMQ-H_2O(-43) y_{12}(-83)	y_{13}(-46)

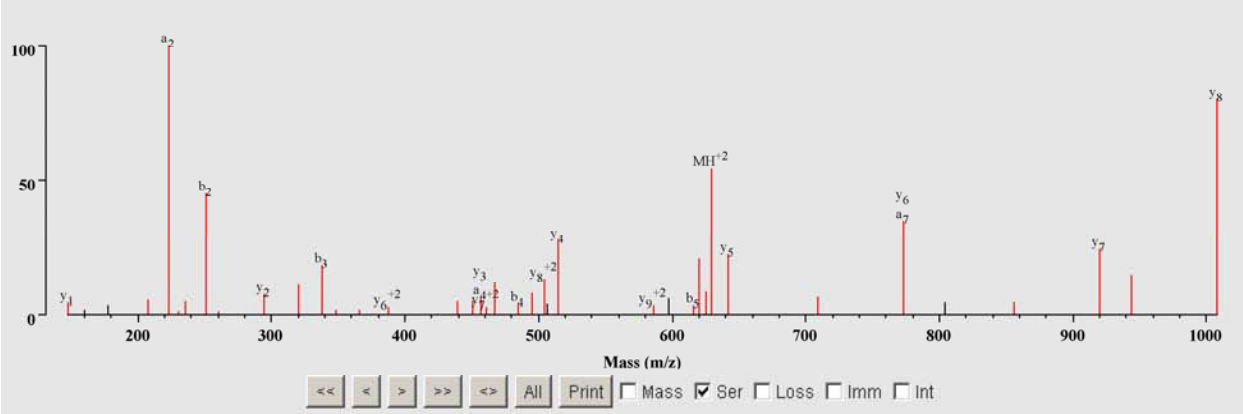
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	19	---	---
251.1026	2	Y	18	2085.9144	1043.4608
338.1347	3	S	17	1922.8510	961.9292
467.1773	4	E	16	1835.8190	918.4131
538.2144	5	A	15	1706.7764	853.8918
667.2570	6	E	14	1635.7393	818.3733
782.2839	7	D	13	1506.6967	753.8520
853.3210	8	A	12	1391.6698	696.3385
940.3530	9	S	11	1320.6327	660.8200
1053.4371	10	L	10	1233.6006	617.3040
1166.5212	11	L	9	1120.5166	560.7619

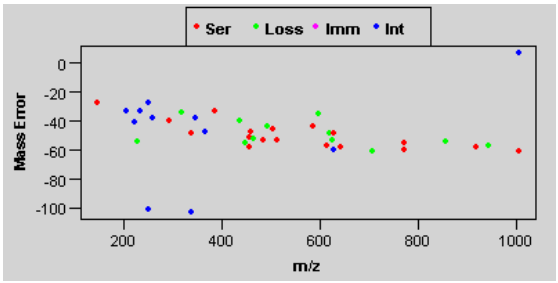
1253.5532	12	**S**	8	1007.4325	504.2199
1400.6216	13	**F**	7	920.4005	460.7039
1531.6621	14	**M**	6	773.3321	387.1697
1659.7207	15	**Q**	5	642.2916	321.6494
1716.7421	16	**G**	4	514.2330	257.6201
1879.8055	17	**Y**	3	457.2115	229.1094
2026.8409	18	**M(Oxidation)**	2	294.1482	147.5777
---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFMQGYM(Oxidation)K^{+2}



Max Intensity: **323**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **96.7%** Matched Series Intensity: **96.5%**



Sequence: SYSFMQGYM(Oxidation)K
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H81 N12 O17 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1258.3045	1257.5279	629.6560	629.2676

[–] Peak Matches

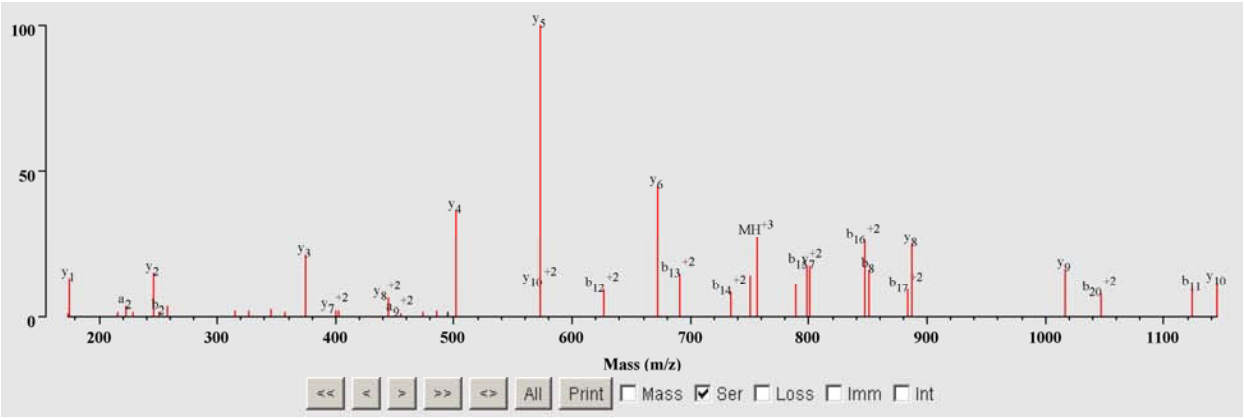
147.1089	160.0733	178.0814	207.1060	223.0985	230.1376	235.1000	251.0959	260.0965	294.1365
y_1(-27)			SF-28(-33)	a_2(-41) YS-28(-41)	y_2-SOCH$_4$(-54)	SF(-33)	b_2(-27) YS(-27) FM-28(-101)	MQ(-38)	y_2(-40)
320.1133	**338.1183**	**348.1244**	**366.1310**	**387.1570**	**439.1800**	**450.2101**	**457.1848**	**460.6821**	**467.1682**
b_3-H$_2$O(-34)	b_3(-48) SFM-28(-103)	SFM-H$_2$O(-38)	SFM(-47)	y_6^{+2}(-33)	a_4-H$_2$O(-40)	y_4-SOCH$_4$(-55)	a_4(-51) y_3(-58)	y_7^{+2}(-47)	b_4-H$_2$O(-52)
485.1775	**495.1930**	**504.1966**	**506.7520**	**514.2058**	**585.7258**	**597.2478**	**597.7845**	**616.2085**	**620.2323**
b_4(-53)	y_8-H$_2$O^{+2}(-44)	y_8^{+2}(-46)		y_4(-53)	y_9^{+2}(-44)	MH-SOCH$_4^{+2}$(-35)		b_5(-57)	MH-H$_2$O^{+2}(-48)
625.2319	**629.2375**	**642.2542**	**709.2908**	**773.2858**	**804.4021**	**856.3557**	**920.3474**	**943.3808**	**1007.3709**
y_5-NH$_3$(-53)	MH^{+2}(-48) YSFMQ-28(-60)	y_5(-58)	y_6-SOCH$_4$(-61)	a_7(-55) y_6(-60)		y_7-SOCH$_4$(-54)	y_7(-58)	y_8-SOCH$_4$(-57)	YSFMQGYM(Oxidation)-NH$_3$(7.1) y_8(-61)

[–] Main Sequence Ions

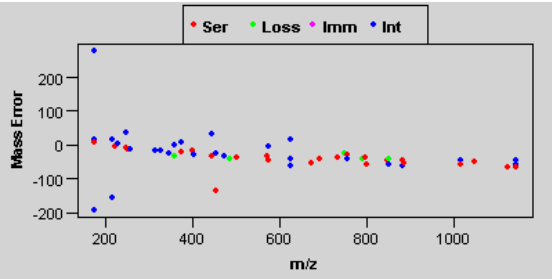
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1170.4958	585.7516
338.1347	3	S	8	1007.4325	504.2199
485.2031	4	F	7	920.4005	460.7039
616.2436	5	M	6	773.3321	387.1697
744.3021	6	Q	5	642.2916	321.6494
801.3236	7	G	4	514.2330	257.6201
964.3869	8	Y	3	457.2115	229.1094
1111.4223	9	M(Oxidation)	2	294.1482	147.5777
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTAKDALSSVQESQVAQQAR^{+3}



Max Intensity: **3925**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.6%** Matched Series Intensity: **99.6%**



Sequence SYTAKDALSSVQESQVAQQAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C94 H156 N29 O36

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2268.4602	2267.1262	1134.7338	1134.0668	756.8250	756.3803

[–] Peak Matches

173.0948	175.1202	216.1008	223.1069	228.1346	246.1540	251.0991	258.1054	315.1602	327.1242
TA(16) LS-28(-194)	SS(279) y_1(7.1)	SQ(14) KD-28(-155)	a_2(-3.7)	QV(1.5) VQ(1.5)	SSV-28(37) y_2(-8.4)	b_2(-14)	QE(-12)	KDA(-19) AKD(-19) SQV(-19) SVQ(-19)	ESQ-H_2O(-17) QES-H_2O(-17)
345.1320	**357.1762**	**374.2061**	**400.7153**	**402.1867**	**444.2229**	**455.1760**	**473.1825**	**485.2266**	**494.7284**
ESQ(-25) QES(-25)	VQE(-1.9) y_3-NH_3(-33)	SSVQ-28(7.2) y_3(-23)	y_7^{+2}(-17)	SSVQ(-29)	VQES(32) SVQE(32) ESQV(32) y_8^{+2}(-35)	QESQ-H_2O(-27) a_9^{+2}(-135)	QESQ(-35)	y_4-NH_3(-41)	
502.2545	**572.7700**	**573.2843**	**626.2875**	**672.3436**	**690.8061**	**734.3243**	**750.6858**	**756.3567**	**789.3430**
y_4(-37)	y_{10}^{+2}(-33)	DALSSV(-6.2) y_5(-45)	ESQVAQ-NH_3(15) QESQVA-NH_3(15) b_{12}^{+2}(-43) LSSVQE-H_2O(-43) QVAQQA(-61)	y_6(-52)	b_{13}^{+2}(-43)	b_{14}^{+2}(-37)	MH-NH_3^{+3}(-25)	MH^{+3}(-31) TAKDALSS-H_2O(-42)	b_{15}-H_2O^{+2}(-41)
798.3499	**800.3914**	**847.8778**	**850.3817**	**883.3953**	**887.4193**	**1016.4527**	**1046.9610**	**1123.4873**	**1144.4944**
b_{15}^{+2}(-39)	y_7(-57)	b_{16}^{+2}(-44)	y_{16}-NH_3^{+2}(-40) b_8(-57) YTAKDALS(-57)	b_{17}^{+2}(-44) AKDALSSVQ-NH_3(-64)	y_8(-56)	SSVQESQVAQ-28(-47) y_9(-58)	b_{20}^{+2}(-48)	b_{11}(-67)	DALSSVQESQV(-47) SSVQESQVAQQ-28(-57) y_{10}(-67)

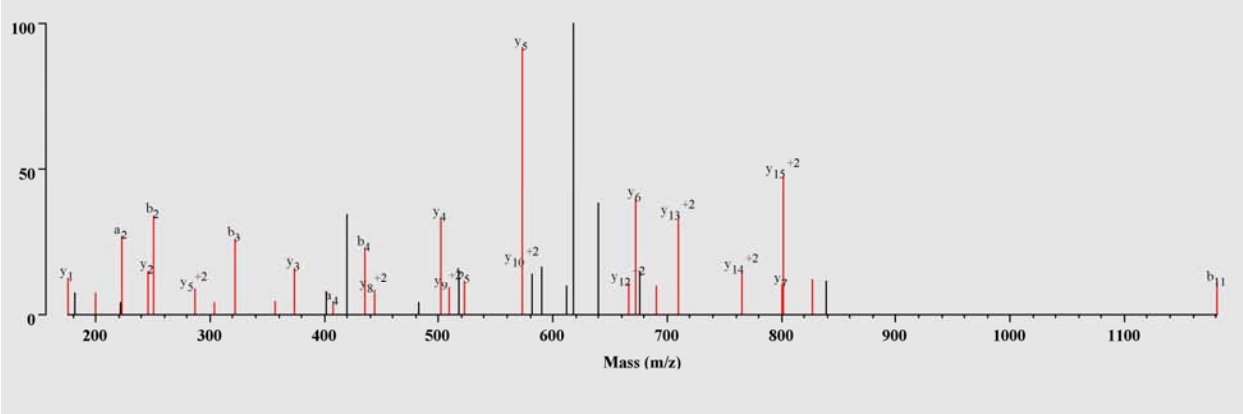
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	21	---	---
251.1026	---	2	Y	20	2180.0942	1090.5507
352.1503	---	3	T	19	2017.0309	1009.0191
423.1874	---	4	A	18	1915.9832	958.4952
551.2824	276.1448	5	K	17	1844.9461	922.9767
666.3093	333.6583	6	D	16	1716.8511	858.9292
737.3464	369.1769	7	A	15	1601.8242	801.4157
850.4305	425.7189	8	L	14	1530.7871	765.8972
937.4625	469.2349	9	S	13	1417.7030	709.3551
1024.4946	512.7509	10	S	12	1330.6710	665.8391
1123.5630	562.2851	11	V	11	1243.6389	622.3231

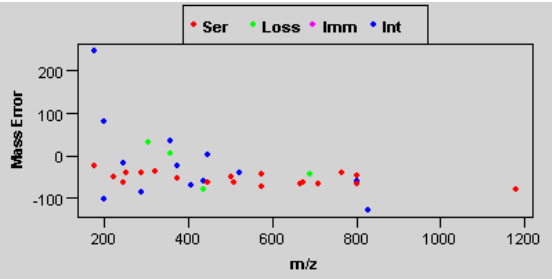
1251.6216	626.3144	12	**Q**	10	1144.5705	572.7889
1380.6642	690.8357	13	**E**	9	1016.5119	508.7596
1467.6962	734.3517	14	**S**	8	887.4694	444.2383
1595.7548	798.3810	15	**Q**	7	800.4373	400.7223
1694.8232	847.9152	16	**V**	6	672.3787	336.6930
1765.8603	883.4338	17	**A**	5	573.3103	287.1588
1893.9189	947.4631	18	**Q**	4	502.2732	251.6402
2021.9774	1011.4924	19	**Q**	3	374.2146	187.6110
2093.0146	1047.0109	20	**A**	2	246.1561	123.5817
---	---	21	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALSSVQESQVAQQAR^{+3}



Max Intensity: **17.2**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **66.3%** Matched Series Intensity: **66.3%**



Sequence SYALSSVQESQVAQQAR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C77 H127 N24 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1853.0108	1851.9195	927.0091	926.4634	618.3419	617.9780

[–] Peak Matches

175.1146	182.1112	200.1191	222.1017	223.0971	246.1403	251.0929	287.1473	304.1388	322.1280
SS(247) y_1(-25)		AQ(81) QA(81) VQ-28(-101) QV-28(-101)		a_2(-48)	SSV-28(-18) y_2(-64)	b_2(-39)	y_5^{+2}(-40) SVQ-28(-84) SQV-28(-84)	b_3-H_2O(32)	b_3(-36)
357.1898	**374.1952**	**401.2130**	**407.2007**	**419.2085**	**435.1987**	**444.2101**	**483.2054**	**502.2477**	**508.7288**
VQE(36) y_3-NH_3(4.8)	SSVQ-28(-22) y_3(-52)		a_4(-69) YALS-28(-69)		b_4(-58) YALS(-58) y_8-H_2O^{+2}(-79)	SVQE(2.7) VQES(2.7) ESQV(2.7) y_8^{+2}(-64)		y_4(-51)	y_9^{+2}(-61)
517.7572	**522.2349**	**572.7644**	**573.2688**	**581.7404**	**590.7457**	**611.9286**	**617.9458**	**640.2855**	**665.7952**
	b_5(-40) YALSS(-40)	y_{10}^{+2}(-43)	y_5(-72)						y_{12}^{+2}(-66)
672.3361	**675.7981**	**690.3168**	**709.3084**	**765.8662**	**800.3997**	**801.3638**	**827.2837**	**839.3534**	**1180.4551**
y_6(-63)		b_7-H_2O(-42)	y_{13}^{+2}(-66)	y_{14}^{+2}(-40)	y_7(-47)	SVQESQVA-28(-58) y_{15}^{+2}(-65)	SSVQESQV-H_2O(-128)		b_{11}(-79)

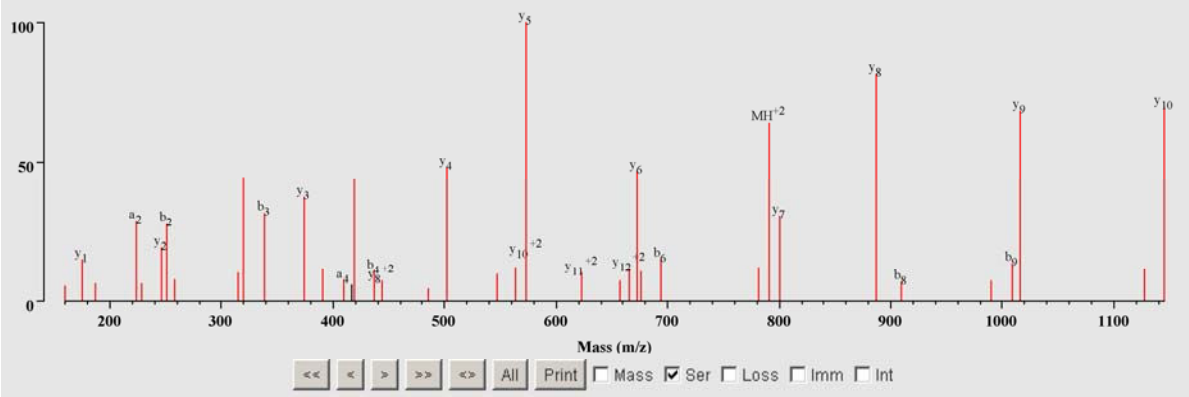
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	17 ---	---
251.1026	2	Y	16 1764.8875	882.9474
322.1397	3	A	15 1601.8242	801.4157
435.2238	4	L	14 1530.7871	765.8972
522.2558	5	S	13 1417.7030	709.3551
609.2879	6	S	12 1330.6710	665.8391
708.3563	7	V	11 1243.6389	622.3231
836.4149	8	Q	10 1144.5705	572.7889
965.4575	9	E	9 1016.5119	508.7596
1052.4895	10	S	8 887.4694	444.2383
1180.5481	11	Q	7 800.4373	400.7223
1279.6165	12	V	6 672.3787	336.6930
1350.6536	13	A	5 573.3103	287.1588
1478.7122	14	Q	4 502.2732	251.6402
1606.7707	15	Q	3 374.2146	187.6110

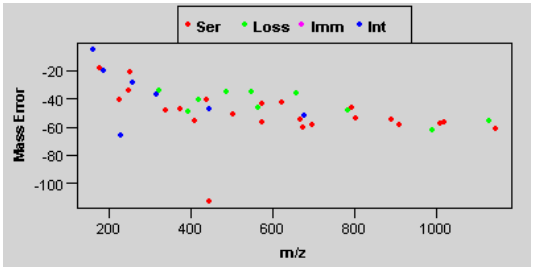
1677.8079	16	**A**	2	246.1561	123.5817
---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVQESQVAQQAR^{+2}



Max Intensity: **77.6**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.4%** Matched Series Intensity: **99.3%**



Sequence: SYSVQESQVAQQAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C65 H106 N21 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1581.6924	1580.7663	791.3499	790.8868

[–] Peak Matches

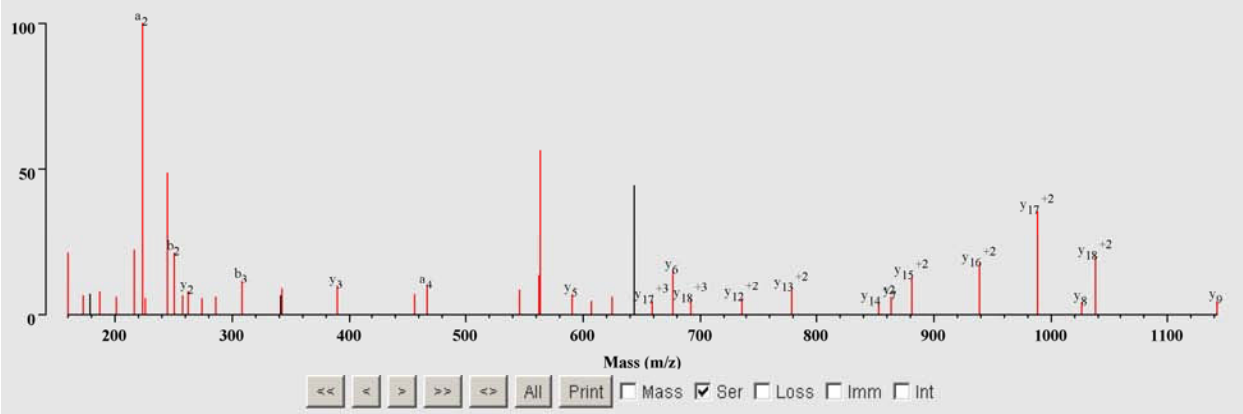
159.1120	175.1158	187.1040	223.0985	228.1192	246.1477	251.0974	258.1009	315.1545	320.1133
SV-28(-5.1)	y_1(-18)	SV(-20)	YS-28(-41) a_2(-41)	QV(-66) VQ(-66)	y_2(-34)	YS(-21) b_2(-21)	QE(-29)	SQV(-37) SVQ(-37)	b_3-H_2O(-34)
338.1183	**374.1970**	**391.1785**	**409.1854**	**417.1667**	**419.1755**	**437.1851**	**444.1882**	**485.2296**	**502.2477**
b_3(-48)	y_3(-47)	a_4-H_2O(-49)	a_4(-56)		b_4-H_2O(-41)	b_4(-41)	ESQV(-47) VQES(-47) SVQE(-47) y_8^{+2}(-113)	y_4-NH_3(-35)	y_4(-51)
547.2321	**563.7576**	**572.7636**	**573.2778**	**622.2963**	**657.3025**	**665.8025**	**672.3385**	**676.2583**	**694.2636**
b_5-H_2O(-35)	y_{10}-H_2O^{+2}(-46)	y_{10}^{+2}(-44)	y_5(-57)	y_{11}^{+2}(-43)	y_{12}-NH_3^{+2}(-36)	y_{12}^{+2}(-55)	y_6(-60)	b_6-H_2O(-52) YSVQES-H_2O(-52)	YSVQES(-59) b_6(-59)
781.8440	**790.8505**	**800.3943**	**887.4205**	**909.3413**	**990.3909**	**1008.4045**	**1016.4536**	**1127.4807**	**1144.5010**
MH-H_2O^{+2}(-48)	MH^{+2}(-46)	y_7(-54)	y_8(-55)	b_8(-59)	b_9-H_2O(-62)	b_9(-58)	y_9(-57)	y_{10}-NH_3(-56)	y_{10}(-61)

[–] Main Sequence Ions

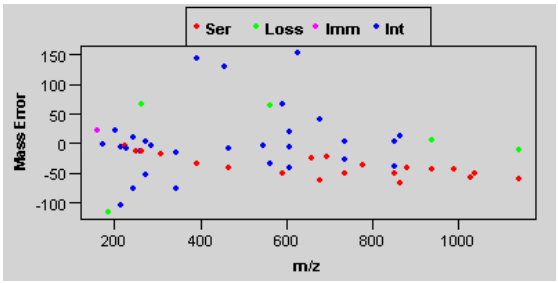
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1493.7343	747.3708
338.1347	3	S	12 1330.6710	665.8391
437.2031	4	V	11 1243.6389	622.3231
565.2617	5	Q	10 1144.5705	572.7889
694.3042	6	E	9 1016.5119	508.7596
781.3363	7	S	8 887.4694	444.2383
909.3949	8	Q	7 800.4373	400.7223
1008.4633	9	V	6 672.3787	336.6930
1079.5004	10	A	5 573.3103	287.1588
1207.5590	11	Q	4 502.2732	251.6402
1335.6175	12	Q	3 374.2146	187.6110
1406.6546	13	A	2 246.1561	123.5817
---	14	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGWVTDGFSSLKDYWSTVKDK^{+4}



Max Intensity: **106**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **90.5%** Matched Series Intensity: **90.2%**



Sequence SYGWVTDGFSSLKDYWSTVKDK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C119 H170 N27 O37

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2570.8354	2569.2245	1285.9214	1285.1159	857.6168	857.0797	643.4644	643.0616

[–] Peak Matches

159.0954	173.1284	178.0869	187.0860	201.1280	216.1119	223.1069	226.1165	244.1108	251.0991
W(23)	TV-28(-0.31) VT-28(-0.31) SL-28(-0.31)		y_3-NH_3^{+2}(-116)	TV(23) VT(23) SL(23)	GW-28(-5.7) KD-28(-103)	a_2(-3.7)	KD-H_2O(-9.4)	GW(11) y_2-H_2O(-75) KD(-75)	DY-28(-14) b_2(-14)
258.1571	**262.1363**	**274.1045**	**286.1541**	**308.1187**	**341.2348**	**343.1710**	**390.2218**	**456.2830**	**466.1889**
WV-28(-12)	a_3-H_2O(67) y_2(-13)	TDG(4.2) GFS-H_2O(-52) WS(-52)	WV(-3.2)	b_3(-18)		GWV(-16) VKD(-77)	KDY-NH_3(143) y_3(-33)	WSTV-H_2O(129)	DGFSS-28(-9.3) a_4(-42)
546.2902	**562.3113**	**563.2991**	**590.3214**	**607.2838**	**625.3571**	**643.3664**	**659.6418**	**677.3415**	**692.6653**
FSSLK-NH_3(-3.7)	y_9-H_2O^{+2}(65)	FSSLK(-35)	SLKDY-NH_3(67) y_5(-50)	VTDGFS(19) DGFSSL(19) YGWVT(-6.0) SLKDY(-41)	DYWST-28(153)		y_{17}^{+3}(-25)	SSLKDY-NH_3(40) y_6(-61)	y_{18}^{+3}(-23)
735.3478	**778.8732**	**852.3920**	**863.4044**	**880.9106**	**938.4191**	**988.9397**	**1026.4669**	**1038.4658**	**1141.4837**
GWVTDGF-28(2.4) DGFSSLK(-26) GFSSLKD(-26) y_{12}^{+2}(-51)	y_{13}^{+2}(-36)	WVTDGFSS-28(3.9) YWSTVKD-28(-39) DYWSTVK-28(-39) KDYWSTV-28(-39) SSLKDYW-28(-39) SLKDYWS-28(-39) y_{14}^{+2}(-51)	DYWSTVK-NH_3(13) YWSTVKD-NH_3(13) KDYWSTV-NH_3(13) SLKDYWS-NH_3(13) SSLKDYW-NH_3(13) y_7(-67)	y_{15}^{+2}(-41)	b_{16}-NH_3^{+2}(4.5) y_{16}^{+2}(-43)	y_{17}^{+2}(-44)	y_8(-57)	y_{18}^{+2}(-50)	a_{11}-H_2O(-9.8) y_9(-60)

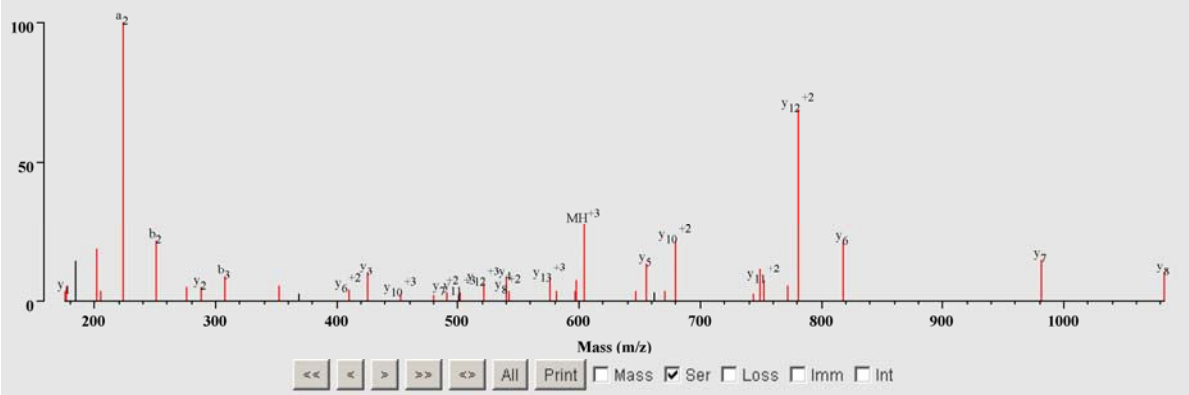
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	22	---	---
251.1026	---	2	**Y**	21	2482.1925	1241.5999
308.1241	---	3	**G**	20	2319.1292	1160.0682
494.2034	---	4	**W**	19	2262.1077	1131.5575
593.2718	---	5	**V**	18	2076.0284	1038.5178
694.3195	---	6	**T**	17	1976.9600	988.9836
809.3464	---	7	**D**	16	1875.9123	938.4598
866.3679	---	8	**G**	15	1760.8854	880.9463
1013.4363	---	9	**F**	14	1703.8639	852.4356
1100.4684	---	10	**S**	13	1556.7955	778.9014
1187.5004	---	11	**S**	12	1469.7635	735.3854
1300.5844	---	12	**L**	11	1382.7314	691.8694

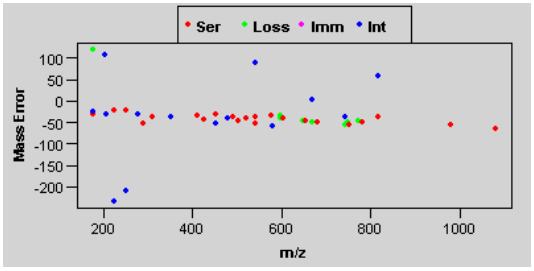
1428.6794	714.8433	13	**K**	10	1269.6474	635.3273
1543.7063	772.3568	14	**D**	9	1141.5524	571.2798
1706.7697	853.8885	15	**Y**	8	1026.5255	513.7664
1892.8490	946.9281	16	**W**	7	863.4621	432.2347
1979.8810	990.4441	17	**S**	6	677.3828	339.1951
2080.9287	1040.9680	18	**T**	5	590.3508	295.6790
2179.9971	1090.5022	19	**V**	4	489.3031	245.1552
2308.0921	1154.5497	20	**K**	3	390.2347	195.6210
2423.1190	1212.0631	21	**D**	2	262.1397	131.5735
---	---	22	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGFM(Oxidation)QTYYDDHLR^{+3}



Max Intensity: **285**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **95.3%** Matched Series Intensity: **95.1%**



Sequence: SYGFM(Oxidation)QTYYDDHLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C81 H111 N20 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1812.8052	1811.7694	906.9063	906.3883	604.9400	604.5946

[–] **Peak Matches**

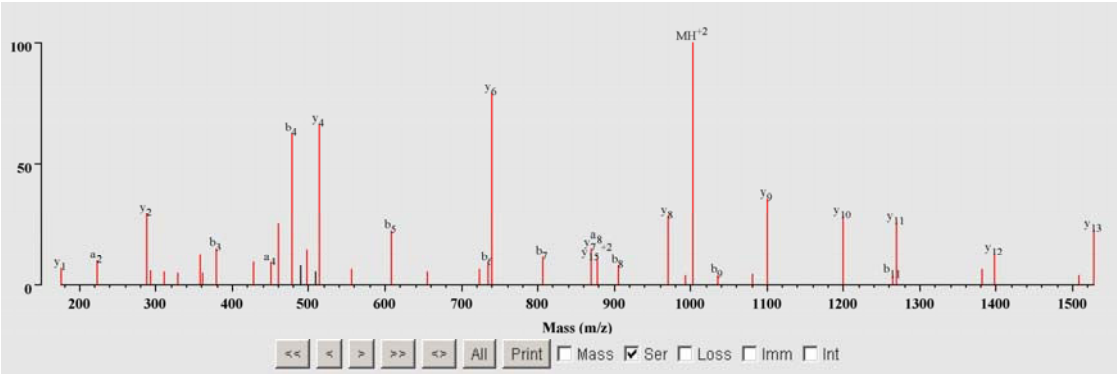
175.1133	177.0976	184.1308	202.1404	205.0911	223.1028	251.0974	276.0925	288.1874	308.1128
y_4-NH_3^{+3}(120) y_1(-32)	GF-28(-26)		QT-28(108)	a_2-H_2O(-30) GF(-30)	a_2(-22) HL-28(-235)	YD-28(-21) b_2(-21) HL(-210)	M(Oxidation)Q(-32)	y_2(-54)	b_3(-37)
352.1194	**369.1450**	**409.6795**	**425.2427**	**453.1849**	**480.1709**	**491.2060**	**500.2094**	**502.1989**	**521.2084**
GFM(Oxidation)(-37)		y_6^{+2}(-33)	y_3(-45)	y_{10}^{+3}(-32) DDHL-28(-54)	GFM(Oxidation)Q(-42)	y_7^{+2}(-38)		y_{11}^{+3}(-47)	y_{12}^{+3}(-41)
540.2608	**541.7291**	**575.5642**	**581.2041**	**596.7529**	**597.2408**	**604.5694**	**647.2669**	**655.2853**	**661.7453**
M(Oxidation)QTY(90) y_4(-52)	y_8^{+2}(-36)	y_{13}^{+3}(-34)	GFM(Oxidation)QT(-60)	y_9-H_2O^{+2}(-33)	y_9-NH_3^{+2}(-40)	MH^{+3}(-42)	y_{10}-$SOCH_4^{+2}$(-46)	y_5(-47)	
670.2568	**679.2616**	**744.2749**	**749.3051**	**752.7883**	**772.2992**	**781.3016**	**818.3497**	**981.3871**	**1082.4186**
FM(Oxidation)QTY-NH_3(4.0) y_{10}-H_2O^{+2}(-50)	y_{10}^{+2}(-50)	GFM(Oxidation)QTY(-37) YGFM(Oxidation)QT(-37) y_{11}-NH_3^{+2}(-56)	y_{12}-$SOCH_4^{+2}$(-49)	y_{11}^{+2}(-55)	y_{12}-H_2O^{+2}(-47)	y_{12}^{+2}(-50)	M(Oxidation)QTYYD(58) y_6(-36)	y_7(-56)	y_8(-66)

[–] **Main Sequence Ions**

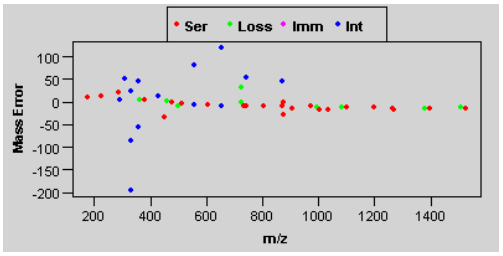
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1724.7373	862.8723
308.1241	---	3	**G**	12	1561.6740	781.3406
455.1925	---	4	**F**	11	1504.6525	752.8299
602.2279	---	5	**M(Oxidation)**	10	1357.5841	679.2957
730.2865	---	6	**Q**	9	1210.5487	605.7780
831.3342	---	7	**T**	8	1082.4901	541.7487
994.3975	---	8	**Y**	7	981.4425	491.2249
1157.4608	---	9	**Y**	6	818.3791	409.6932
1272.4878	---	10	**D**	5	655.3158	328.1615
1387.5147	---	11	**D**	4	540.2889	270.6481
1524.5736	762.7904	12	**H**	3	425.2619	213.1346
1637.6577	819.3325	13	**L**	2	288.2030	144.6051
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKVEQAVETEPEPELR^{+2}



Max Intensity: **765**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.2%** Matched Series Intensity: **97.9%**



Sequence: SYKVEQAVETEPEPELR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C87 H139 N22 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2005.2023	2003.9920	1003.1049	1002.4997

[–] **Peak Matches**

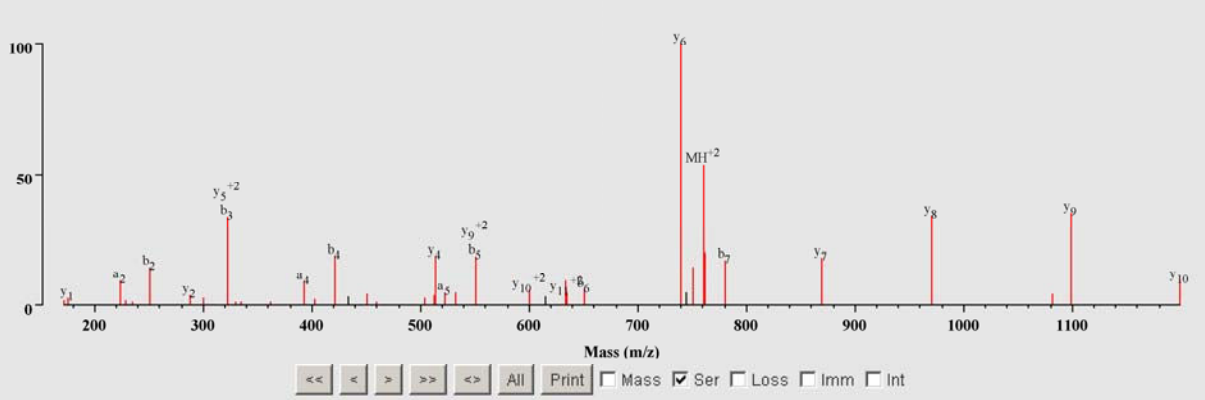
175.1209	223.1103	288.2090	292.1668	311.1505	329.1537	357.1928	361.1889	379.1994	428.2199
y_1(11)	a_2(12)	y_2(21)	YK(4.2)	EQA-H_2O(50)	EQA(25) VEQ-28(-86) KVE-28(-196)	VEQ(45) KVE(-57)	b_3-H_2O(5.2)	b_3(4.8)	EQAV(14) VEQA(14) QAVE(14)
450.2557	**460.2568**	**478.2657**	**490.2297**	**497.2679**	**508.2404**	**514.2961**	**556.3058**	**607.3049**	**655.3722**
a_4(-34)	b_4-H_2O(2.9)	b_4(-0.65)		y_4-NH_3(-7.9)		y_4(-4.4)	VETEP(80) KVEQA(-5.6)	b_5(-6.1)	TEPEPE-28(120) ETEPEP-28(120) KVEQAV(-7.9)
723.3669	**735.3613**	**740.3870**	**806.3968**	**869.4278**	**877.4521**	**905.4584**	**970.4763**	**993.4829**	**1002.4818**
a_{13}-NH_3^{+2}(33) y_6-NH_3(-0.39)	b_6(-8.0)	VEQAVET-NH_3(55) y_6(-9.1)	b_7(-9.3)	VEQAVETE-NH_3(45) y_7(-9.8)	y_{15}^{+2}(0.14) a_8(-29)	b_8(-16)	y_8(-7.9)	MH-H_2O^{+2}(-12)	MH^{+2}(-18)
1034.4980	**1081.5028**	**1099.5130**	**1198.5804**	**1264.5860**	**1269.6087**	**1380.6438**	**1397.6697**	**1508.7061**	**1526.7125**
b_9(-17)	y_9-H_2O(-12)	y_9(-12)	y_{10}(-12)	b_{11}(-15)	y_{11}(-18)	y_{12}-NH_3(-15)	y_{12}(-15)	y_{13}-H_2O(-11)	y_{13}(-14)

[–] **Main Sequence Ions**

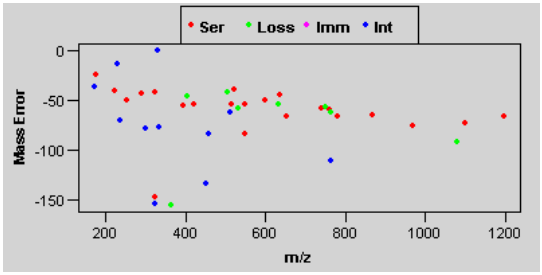
b	b^{+2}			y	y^{+2}
---	---	1	S 17	---	---
251.1026	---	2	Y 16	1916.9600	958.9836
379.1976	190.1024	3	K 15	1753.8967	877.4520
478.2660	239.6366	4	V 14	1625.8017	813.4045
607.3086	304.1579	5	E 13	1526.7333	763.8703
735.3672	368.1872	6	Q 12	1397.6907	699.3490
806.4043	403.7058	7	A 11	1269.6321	635.3197
905.4727	453.2400	8	V 10	1198.5950	599.8011
1034.5153	517.7613	9	E 9	1099.5266	550.2669
1135.5630	568.2851	10	T 8	970.4840	485.7456
1264.6056	632.8064	11	E 7	869.4363	435.2218
1361.6583	681.3328	12	P 6	740.3937	370.7005
1490.7009	745.8541	13	E 5	643.3410	322.1741
1587.7537	794.3805	14	P 4	514.2984	257.6528
1716.7963	858.9018	15	E 3	417.2456	209.1264
1829.8804	915.4438	16	L 2	288.2030	144.6051
---	---	17	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVETEPEPELR^{+2}



Max Intensity: **32.1**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **97.8%** Matched Series Intensity: **97.4%**



Sequence SYAVETEPEPELR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H103 N16 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1520.6459	1519.7275	760.8267	760.3674

[–] **Peak Matches**

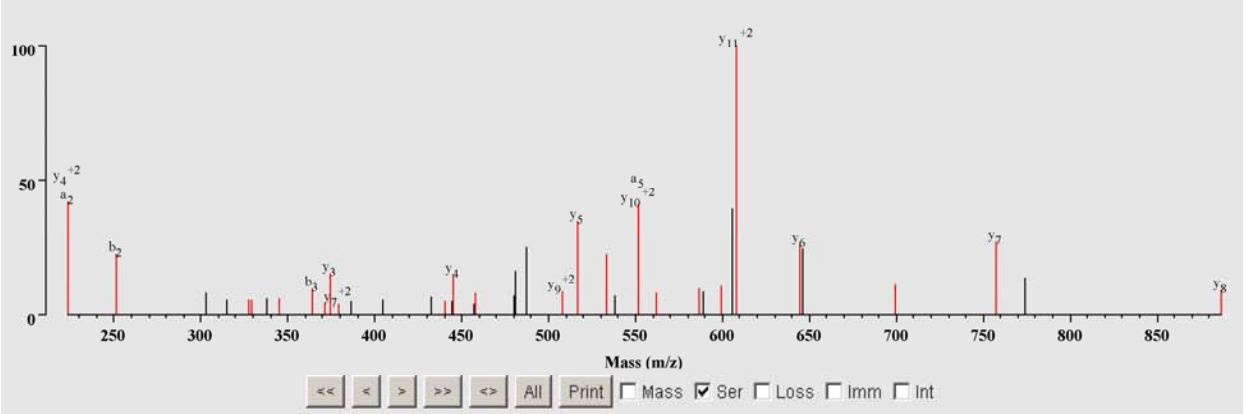
171.1064	175.1146	223.0985	229.1151	235.0913	251.0899	288.1906	300.1316	322.1263	330.1659
AV(-37)	y_1(-25)	a_2(-41)	VE(-14)	YA(-70)	b_2(-51)	y_2(-43)	AVE(-79) TEP-28(-79)	b_3(-42) y_5^{+2}(-148) PEL-H_2O(-155)	VET(-0.19)
334.1502	**362.1309**	**393.1913**	**403.1792**	**421.1853**	**433.1459**	**451.1584**	**459.1700**	**504.2242**	**512.2034**
YAV(-78)	y_6-NH_3^{+2}(-156)	a_4(-56)	b_4-H_2O(-46)	b_4(-54)		EPEL-H_2O(-134)	VETE(-84)	a_5-H_2O(-42)	AVETE-H_2O(-62)
514.2702	**522.2352**	**532.2093**	**550.2205**	**599.7714**	**615.2410**	**633.2535**	**635.2914**	**651.2555**	**740.3505**
y_4(-55)	a_5(-40)	b_5-H_2O(-58)	b_5(-55) y_9^{+2}(-84)	y_{10}^{+2}(-50)		b_6-H_2O(-54)	y_{11}^{+2}(-45)	b_6(-66)	y_6(-58)
744.2749	**751.3193**	**760.3216**	**762.2826**	**780.2888**	**869.3797**	**970.4099**	**1081.4163**	**1099.4449**	**1198.5146**
	MH-H_2O^{+2}(-57)	MH^{+2}(-60)	b_7-H_2O(-63) YAVETEP-28(-111)	b_7(-67)	y_7(-65)	y_8(-76)	y_9-H_2O(-92)	y_9(-74)	y_{10}(-67)

[–] **Main Sequence Ions**

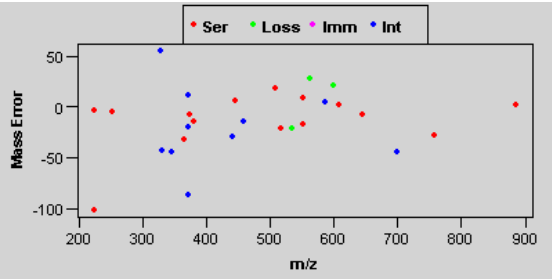
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1432.6955	716.8514
322.1397	3	A	11	1269.6321	635.3197
421.2082	4	V	10	1198.5950	599.8011
550.2508	5	E	9	1099.5266	550.2669
651.2984	6	T	8	970.4840	485.7456
780.3410	7	E	7	869.4363	435.2218
877.3938	8	P	6	740.3937	370.7005
1006.4364	9	E	5	643.3410	322.1741
1103.4891	10	P	4	514.2984	257.6528
1232.5317	11	E	3	417.2456	209.1264
1345.6158	12	L	2	288.2030	144.6051
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLSKELQAAQAR^{+3}



Max Intensity: **10.8**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **70.7%** Matched Series Intensity: **70.7%**



Sequence SYLSKELQAAQAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H106 N19 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1465.6592	1464.7805	733.3333	732.8939	489.2247	488.9317

[–] **Peak Matches**

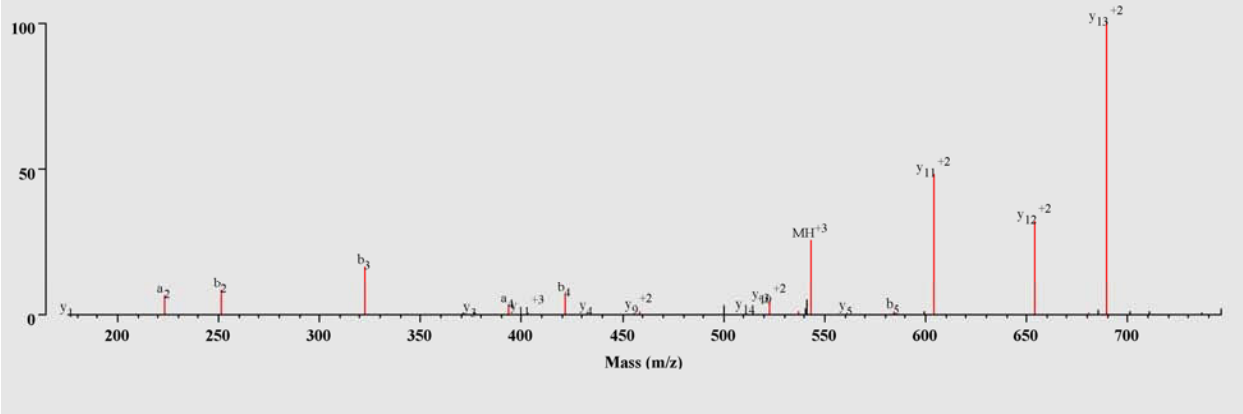
223.1068	**251.1012**	**303.2098**	**315.1531**	**327.1843**	**329.2042**	**338.1150**	**345.1618**	**364.1745**	**371.1965**
a_2(-4.1) y_4^{+2}(-102)	b_2(-5.7)			SKE-H_2O(55)	LSK(-43)		SKE(-44)	YLS(-33) b_3(-33)	ELQ(11) QAAQ-28(-20) KEL(-87)
374.2115	**379.2139**	**386.2076**	**404.2539**	**432.2387**	**440.2373**	**444.1563**	**445.2541**	**457.2272**	**458.2547**
y_3(-8.4)	y_7^{+2}(-14)				LSKE-H_2O(-30) SKEL-H_2O(-30)		y_4(5.3)		LSKE(-14) SKEL(-14)
480.2528	**480.7778**	**487.2727**	**507.7972**	**516.2775**	**533.2971**	**538.2815**	**551.3092**	**562.3022**	**586.3223**
			y_9^{+2}(18)	y_5(-22)	a_5-H_2O(-21)		y_{10}^{+2}(9.1) a_5(-17)	b_5-NH_3(27)	SKELQ(4.8)
588.8162	**599.3454**	**605.8255**	**607.8470**	**644.3420**	**646.3594**	**699.3723**	**757.4102**	**774.4365**	**886.4758**
	y_{11}-NH_3^{+2}(21)		y_{11}^{+2}(1.3)	y_6(-8.5)		LSKELQ(-45)	y_7(-28)		y_8(1.9)

[–] **Main Sequence Ions**

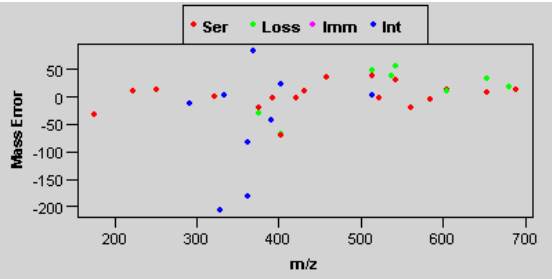
b	b^{+2}			y	y^{+2}
---	---	1	**S** 13	---	---
251.1026	---	2	**Y** 12	1377.7485	689.3779
364.1867	---	3	**L** 11	1214.6852	607.8462
451.2187	---	4	**S** 10	1101.6011	551.3042
579.3137	290.1605	5	**K** 9	1014.5691	507.7882
708.3563	354.6818	6	**E** 8	886.4741	443.7407
821.4403	411.2238	7	**L** 7	757.4315	379.2194
949.4989	475.2531	8	**Q** 6	644.3474	322.6774
1020.5360	510.7717	9	**A** 5	516.2889	258.6481
1091.5732	546.2902	10	**A** 4	445.2518	223.1295
1219.6317	610.3195	11	**Q** 3	374.2146	187.6110
1290.6688	645.8381	12	**A** 2	246.1561	123.5817
---	---	13	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVYQAGAREGAER^{+3}



Max Intensity: **75.5**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **92.5%** Matched Series Intensity: **91.8%**



Sequence SYAVYQAGAREGAER

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C69 H107 N22 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1628.7521	1627.7823	814.8798	814.3948	543.5890	543.2656

[–] Peak Matches

175.1131	178.0828	223.1098	251.1057	292.1260	322.1395	329.1252	334.1774	363.1366	369.1714
y_1(-33)		a_2(9.3)	b_2(12)	YQ(-11)	b_3(-0.77)	ARE-28(-207)	AVY(3.8) YAV(3.8)	YQA(-82) VYQ-28(-182)	EGAE-H_2O(84)
371.2183	**375.1917**	**376.1916**	**388.2266**	**391.1807**	**393.2126**	**403.1699**	**421.2075**	**429.2332**	**432.2249**
	y_3(-19) a_4-H_2O(-29)			VYQ(-43)	a_4(-1.6)	YQAG-NH_3(22) b_4-H_2O(-69) y_{11}^{+3}(-71)	b_4(-1.6)		y_4(11)
458.7498	**500.3002**	**514.2746**	**522.7622**	**537.2827**	**540.6007**	**541.2678**	**543.2823**	**561.2523**	**584.2682**
y_9^{+2}(36)		y_{10}-NH_3^{+2}(49) y_{14}^{+3}(38) AGAREG-28(2.7) GAREGA-28(2.7)	y_{10}^{+2}(-0.95)	MH-H_2O^{+3}(38)			REGAE(55) y_5-H_2O(55) MH^{+3}(31)	y_5(-19)	b_5(-5.6)
599.2985	**604.3028**	**653.8335**	**680.3545**	**685.3408**	**689.3564**	**701.3787**	**710.3916**	**736.9117**	**745.9141**
	y_{11}^{+2}(14) a_{12}-H_2O^{+2}(11)	b_{13}-H_2O^{+2}(32) y_{12}^{+2}(7.6)	y_{13}-H_2O^{+2}(19)		y_{13}^{+2}(13)				

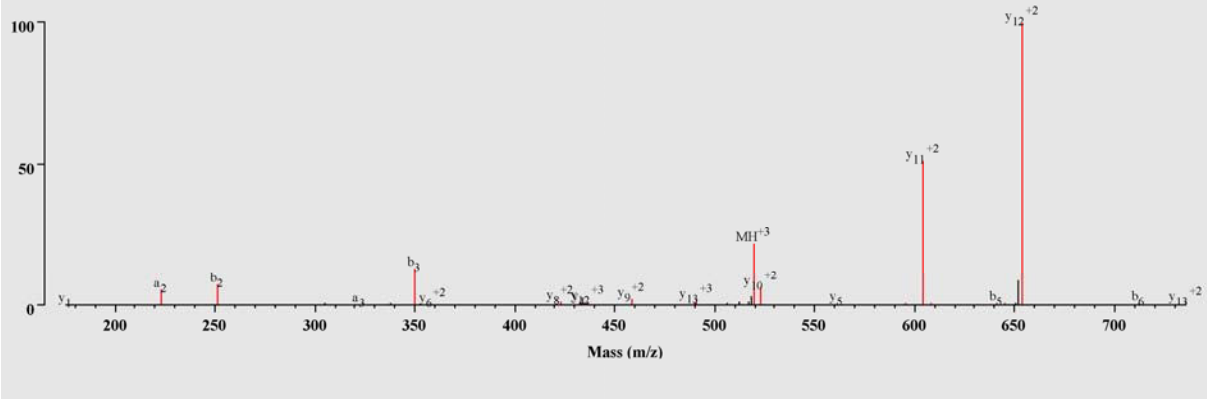
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 15	---	---
251.1026	---	2	**Y** 14	1540.7503	770.8788
322.1397	---	3	**A** 13	1377.6870	689.3471
421.2082	---	4	**V** 12	1306.6498	653.8286
584.2715	---	5	**Y** 11	1207.5814	604.2944
712.3301	---	6	**Q** 10	1044.5181	522.7627
783.3672	---	7	**A** 9	916.4595	458.7334
840.3886	---	8	**G** 8	845.4224	423.2148
911.4258	---	9	**A** 7	788.4009	394.7041
1067.5269	534.2671	10	**R** 6	717.3638	359.1856
1196.5695	598.7884	11	**E** 5	561.2627	281.1350
1253.5909	627.2991	12	**G** 4	432.2201	216.6137
1324.6280	662.8177	13	**A** 3	375.1987	188.1030
1453.6706	727.3390	14	**E** 2	304.1615	152.5844

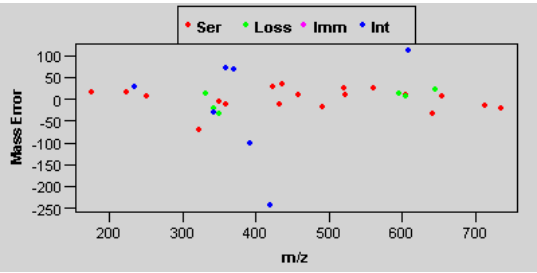
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVYQAGAREGAER^{+3}



Max Intensity: **185**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **92.4%** Matched Series Intensity: **91.6%**



Sequence SYVYQAGAREGAER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H102 N21 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1557.6729	1556.7452	779.3401	778.8762	519.8959	519.5866

[–] **Peak Matches**

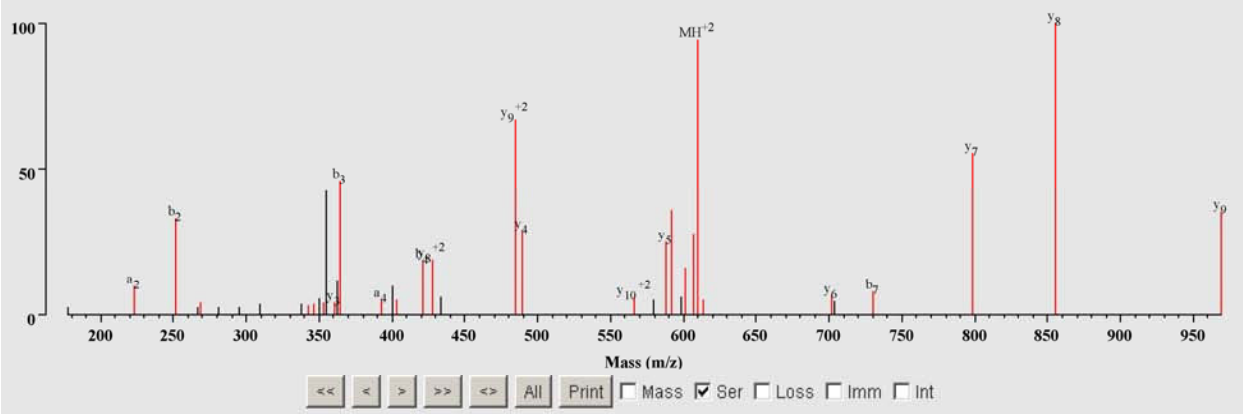
175.1218	223.1110	235.1508	251.1042	281.0479	299.0632	305.1453	322.1531	332.1647	338.1480
y_1(16)	a_2(15)	YV-28(28) VY-28(28)	b_2(6.2)				a_3(-71)	b_3-H_2O(13)	
343.1618	**350.1687**	**359.1814**	**369.1659**	**391.1581**	**420.0854**	**423.2263**	**430.0670**	**432.2149**	**436.2367**
y_{10}-NH_3^{+3}(-20) REG(-31)	b_3(-6.7) y_6-H_2O^{+2}(-33)	EGAE-28(70) y_6^{+2}(-12)	EGAE-H_2O(69)	VYQ(-101)	YQAG(-244)	y_8^{+2}(27)		y_4(-12)	y_{12}^{+3}(35)
458.7383	**490.0396**	**490.5672**	**506.2506**	**512.2884**	**517.2276**	**518.2592**	**519.6003**	**522.7681**	**561.2769**
y_9^{+2}(11)		y_{13}^{+3}(-18)					MH^{+3}(26)	y_{10}^{+2}(10)	y_5(25)
595.7891	**604.3005**	**608.3395**	**641.2703**	**645.3299**	**650.4567**	**651.8610**	**653.8331**	**712.3203**	**735.3444**
y_{11}-NH_3^{+2}(13)	y_{11}^{+2}(10) a_{12}-H_2O^{+2}(6.8)	YVYQA-NH_3(112)	b_5(-35)	y_{12}-NH_3^{+2}(23)			y_{12}^{+2}(6.9)	b_6(-14)	y_{13}^{+2}(-22)

[–] **Main Sequence Ions**

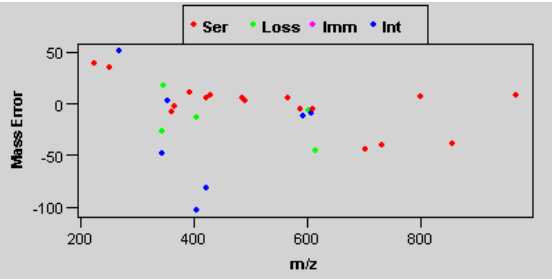
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1469.7132	735.3602
350.1710	---	3	**V**	12	1306.6498	653.8286
513.2344	---	4	**Y**	11	1207.5814	604.2944
641.2930	---	5	**Q**	10	1044.5181	522.7627
712.3301	---	6	**A**	9	916.4595	458.7334
769.3515	---	7	**G**	8	845.4224	423.2148
840.3886	---	8	**A**	7	788.4009	394.7041
996.4898	498.7485	9	**R**	6	717.3638	359.1856
1125.5323	563.2698	10	**E**	5	561.2627	281.1350
1182.5538	591.7805	11	**G**	4	432.2201	216.6137
1253.5909	627.2991	12	**A**	3	375.1987	188.1030
1382.6335	691.8204	13	**E**	2	304.1615	152.5844
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLGPLVEQGR^{+2}



Max Intensity: **3.72**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **86.0%** Matched Series Intensity: **83.6%**



Sequence: SYLGPLVEQGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H88 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1219.3913	1218.6477	610.1994	609.8275

[–] **Peak Matches**

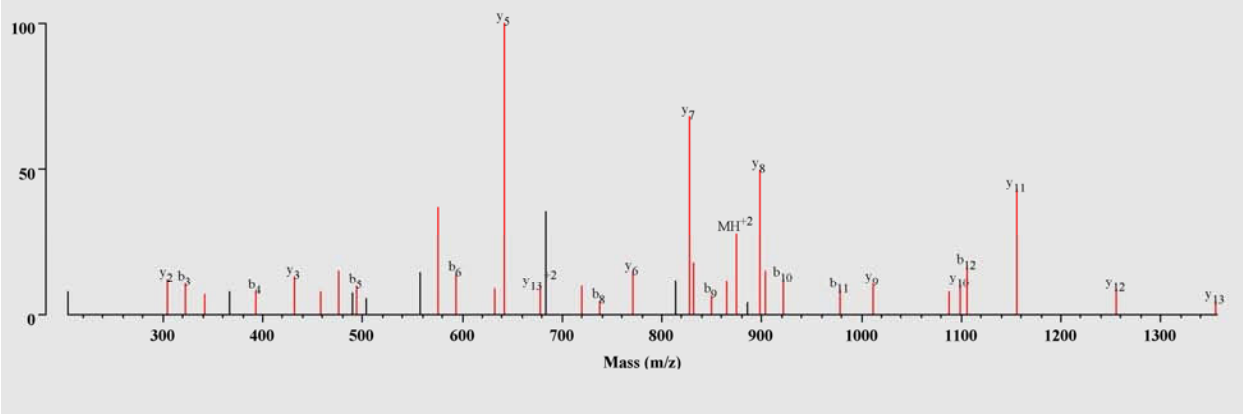
177.1182	223.1165	251.1115	267.0028	268.1793	281.0556	295.0948	309.1616	338.1245	342.1860
	a_2(39)	b_2(35)		LGP(51) GPL(51)					y_6-H_2O^{+2}(-27) LVE(-48)
346.1820	**350.1623**	**353.2558**	**355.0688**	**360.1963**	**362.1621**	**364.1856**	**393.2177**	**400.2240**	**403.1925**
b_3-H_2O(17)		LGPL-28(3.1)		y_3(-7.5)		b_3(-3.0)	a_4(11)		b_4-H_2O(-13) YLGP-28(-103)
421.2102	**428.2412**	**433.2083**	**484.7822**	**489.2432**	**566.3147**	**579.8100**	**588.3066**	**591.3428**	**598.2785**
b_4(4.8) PLVE-H_2O(-82)	y_8^{+2}(8.0)		y_9^{+2}(4.9)	y_4(3.3)	y_{10}^{+2}(5.7)		y_5(-5.8)	LGPLVE-H_2O(-12)	
600.8182	**607.3029**	**609.8243**	**613.3067**	**701.3629**	**703.3845**	**730.3842**	**798.4525**	**855.4349**	**968.5599**
MH-H_2O^{+2}(-6.7)	PLVEQG-NH_3(-9.4) GPLVEQ-NH_3(-9.4)	MH^{+2}(-5.2)	b_6-H_2O(-45)	y_6(-44)		b_7(-40)	y_7(7.1)	y_8(-39)	y_9(7.8)

[–] **Main Sequence Ions**

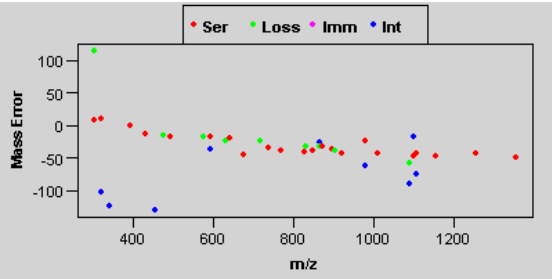
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1131.6157	566.3115
364.1867	3	L	9	968.5524	484.7798
421.2082	4	G	8	855.4683	428.2378
518.2609	5	P	7	798.4468	399.7271
631.3450	6	L	6	701.3941	351.2007
730.4134	7	V	5	588.3100	294.6586
859.4560	8	E	4	489.2416	245.1244
987.5146	9	Q	3	360.1990	180.6031
1044.5360	10	G	2	232.1404	116.5738
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAATVGSLAGQPLQER^{+2}



Max Intensity: **177**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **86.4%** Matched Series Intensity: **85.6%**



Sequence SYAATVGSLAGQPLQER

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C75 H123 N22 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1748.9451	1747.8973	874.9763	874.4523

[–] Peak Matches

204.0944	304.1641	322.1427	342.1710	366.1383	393.1765	432.2143	458.2011	476.2065	489.7618
	b_3-H_2O(-115) y_2(8.4)	b_3(9.2) PLQ-NH_3(-104) QPL-NH_3(-104)	LAGQ-28(-124)		b_4(-0.92)	y_3(-13)	TVGSL(-131)	b_5-H_2O(-16)	
494.2159	**504.2360**	**557.2577**	**575.2724**	**593.2831**	**632.2891**	**642.3444**	**678.3361**	**683.3141**	**719.3186**
b_5(-17)			b_6-H_2O(-17)	b_6(-17) GSLAGQP-H_2O(-36)	YAATVGS-H_2O(-23) b_7-H_2O(-23)	y_5(-20)	y_{13}^{+2}(-46)		b_8-H_2O(-24)
737.3205	**770.3866**	**814.3782**	**827.4034**	**832.3922**	**850.3963**	**865.4192**	**874.4234**	**885.4160**	**898.4419**
b_8(-35)	y_6(-38)		y_7(-41)	b_9-H_2O(-33)	b_9(-40)	ATVGSLAGQP-NH_3(-26) MH-H_2O^{+2}(-32)	MH^{+2}(-33)		y_8(-36)
903.4212	**921.4267**	**978.4647**	**1011.5138**	**1088.4744**	**1098.5382**	**1106.5005**	**1155.5568**	**1254.6245**	**1355.6606**
b_{10}-H_2O(-40)	b_{10}(-44)	b_{11}(-25) ATVGSLAGQPL-NH_3(-62)	y_9(-44)	b_{12}-H_2O(-58) YAATVGSLAGQP-28(-91)	YAATVGSLAGQP-H_2O(-18) y_{10}(-47)	b_{12}(-43) ATVGSLAGQPLQ-NH_3(-76)	y_{11}(-47)	y_{12}(-44)	y_{13}(-50)

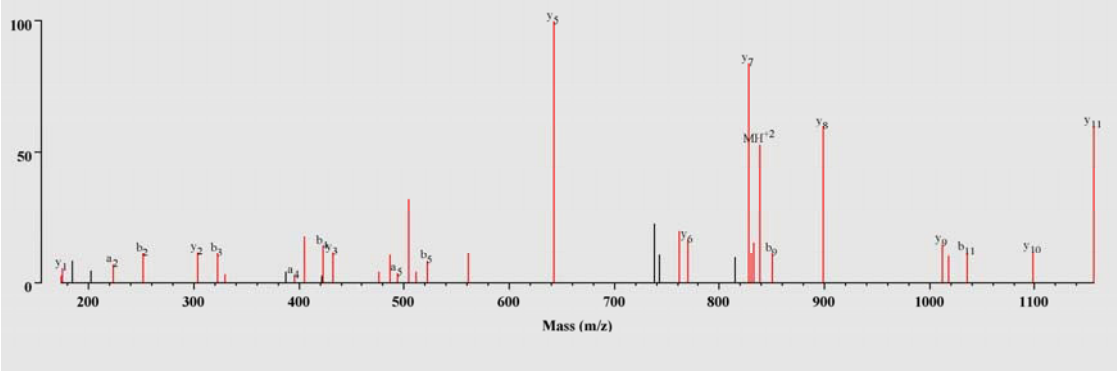
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	17	---	---
251.1026	2	Y	16	1660.8653	830.9363
322.1397	3	A	15	1497.8020	749.4046
393.1769	4	A	14	1426.7649	713.8861
494.2245	5	T	13	1355.7278	678.3675
593.2930	6	V	12	1254.6801	627.8437
650.3144	7	G	11	1155.6117	578.3095
737.3464	8	S	10	1098.5902	549.7987
850.4305	9	L	9	1011.5582	506.2827
921.4676	10	A	8	898.4741	449.7407
978.4891	11	G	7	827.4370	414.2221
1106.5477	12	Q	6	770.4155	385.7114
1203.6004	13	P	5	642.3570	321.6821
1316.6845	14	L	4	545.3042	273.1557
1444.7431	15	Q	3	432.2201	216.6137
1573.7857	16	E	2	304.1615	152.5844

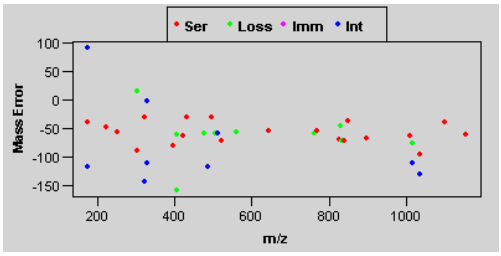
--- 17 **R** 1 175.1190 88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATVGSLAGQPLQER^{+2}



Max Intensity: **12.1**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **90.0%** Matched Series Intensity: **89.0%**



Sequence: SYATVGSLAGQPLQER

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300

Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H118 N21 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1677.8659	1676.8602	839.4366	838.9338

[–] **Peak Matches**

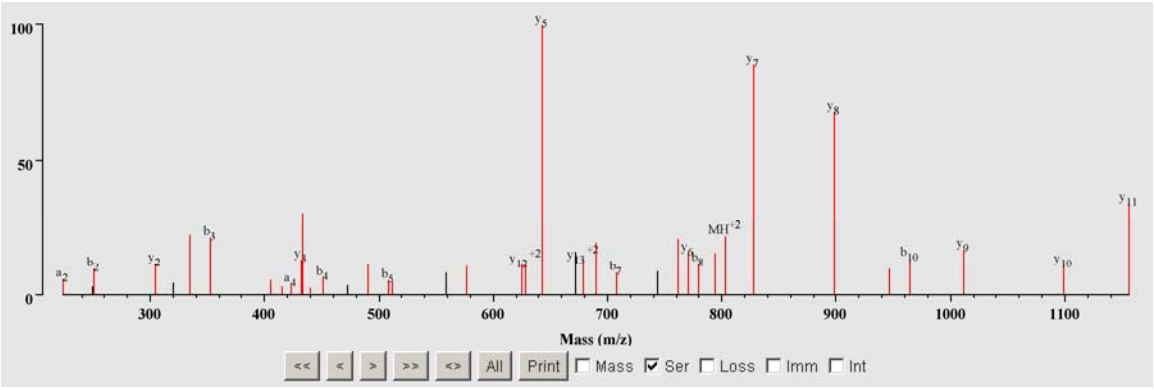
173.1078	175.1121	184.1295	202.1324	223.0971	251.0884	304.1338	322.1297	329.1813	387.1347
AT(91) TV-28(-119) SL-28(-119)	y_1(-39)			a_2(-48)	b_2(-57)	b_3-H_2O(15) y_2(-91)	b_3(-31) QPL-NH_3(-144) PLQ-NH_3(-144)	ATVG(-2.0) SLAG(-2.0) GSLA(-2.0) VGSL-28(-112)	
395.1605	**405.1522**	**421.2105**	**423.1609**	**432.2069**	**476.2222**	**486.2099**	**494.2457**	**504.2157**	**511.2571**
a_4(-81)	b_4-H_2O(-61) y_7-H_2O^{+2}(-160)		b_4(-63)	y_3(-31)	a_5-H_2O(-59)	GSLAGQ-28(-118)	a_5(-31)	b_5-H_2O(-59)	ATVGSL-H_2O(-59) TVGSLA-H_2O(-59)
522.2179	**561.2348**	**642.3213**	**738.3613**	**743.3044**	**761.3370**	**770.3726**	**814.3613**	**827.3790**	**829.8907**
b_5(-73)	YATVGS-H_2O(-57) b_6-H_2O(-57)	y_5(-55)			b_8-H_2O(-60)	y_6(-56)		y_7(-70)	MH-H_2O^{+2}(-46)
832.3599	**838.3666**	**838.8736**	**850.3979**	**898.4127**	**1011.4933**	**1017.4224**	**1035.4110**	**1098.5476**	**1155.5412**
b_9-H_2O(-72)		MH^{+2}(-72)	b_9(-38)	y_8(-68)	y_9(-64)	b_{11}-H_2O(-76) YATVGSLAGQP-28(-112)	b_{11}(-96) TVGSLAGQPLQ-NH_3(-131)	y_{10}(-39)	y_{11}(-61)

[–] **Main Sequence Ions**

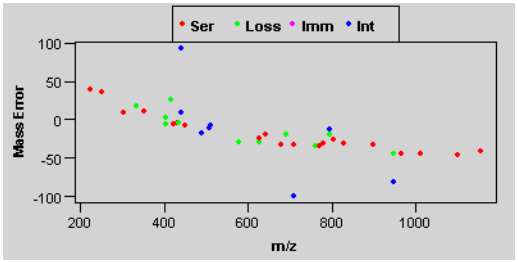
b				y	y^{+2}
---	1	S	16	---	---
251.1026	2	Y	15	1589.8282	795.4177
322.1397	3	A	14	1426.7649	713.8861
423.1874	4	T	13	1355.7278	678.3675
522.2558	5	V	12	1254.6801	627.8437
579.2773	6	G	11	1155.6117	578.3095
666.3093	7	S	10	1098.5902	549.7987
779.3934	8	L	9	1011.5582	506.2827
850.4305	9	A	8	898.4741	449.7407
907.4520	10	G	7	827.4370	414.2221
1035.5106	11	Q	6	770.4155	385.7114
1132.5633	12	P	5	642.3570	321.6821
1245.6474	13	L	4	545.3042	273.1557
1373.7060	14	Q	3	432.2201	216.6137
1502.7485	15	E	2	304.1615	152.5844
---	16	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTVGSLAGQPLQER^{+2}



Max Intensity: **93.1**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **93.7%** Matched Series Intensity: **93.3%**



Sequence: SYTVGSLAGQPLQER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H113 N20 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1606.7866	1605.8231	803.8970	803.4152

[–] **Peak Matches**

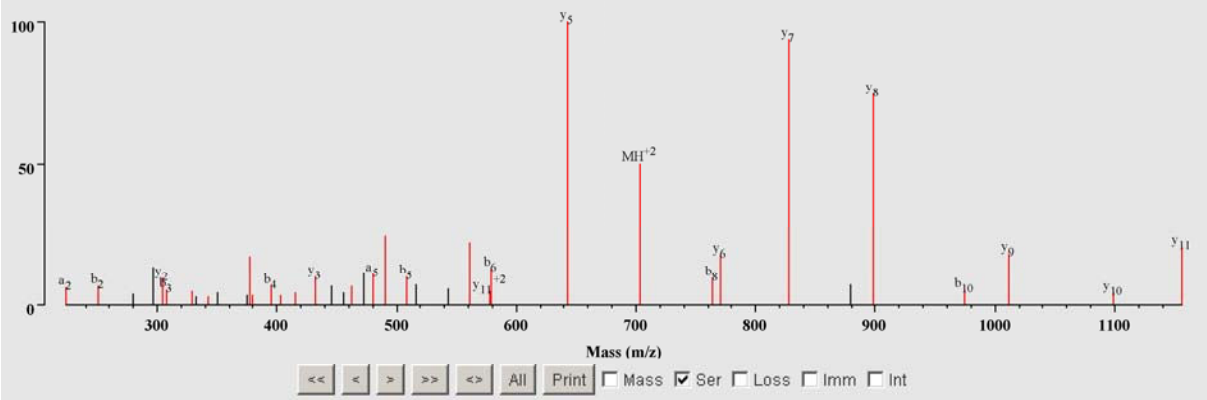
223.1166	249.0809	251.1117	304.1641	320.1112	334.1454	352.1541	405.2145	415.2039	423.2215
a_2(40)		b_2(36)	y_2(8.4)		b_3-H_2O(17)	b_3(11)	a_4-H_2O(3.1) y_7-H_2O^{+2}(-5.8)	y_3-NH_3(25)	a_4(-5.5)
432.2183	**433.2065**	**440.2547**	**451.2151**	**472.2190**	**490.2206**	**508.2346**	**511.2835**	**559.2343**	**577.2442**
y_3(-4.2)	b_4-H_2O(-3.8)	SLAGQ-NH_3(93) PLQE-28(9.9) TVGSL-H_2O(9.9)	PLQE-NH_3(-8.0) b_4(-8.0)		b_5-H_2O(-18) YTVGS-H_2O(-18)	b_5(-11) YTVGS(-11)	TVGSLA-H_2O(-7.8)		b_6-H_2O(-30)
625.3125	**627.8282**	**642.3444**	**672.3111**	**678.3460**	**690.3326**	**708.3330**	**743.3483**	**761.3567**	**770.3893**
GQPLQE-28(-29) y_5-NH_3(-29)	y_{12}^{+2}(-25)	y_5(-20)		y_{13}^{+2}(-32)	b_7-H_2O(-19)	b_7(-33) LAGQPLQ(-100)		b_8-H_2O(-34)	y_6(-34)
779.3694	**794.3941**	**803.3946**	**827.4115**	**898.4448**	**946.4215**	**964.4310**	**1011.5138**	**1098.5382**	**1155.5632**
b_8(-31)	TVGSLAGQP-NH_3(-13) MH-H_2O^{+2}(-20)	MH^{+2}(-26)	y_7(-31)	y_8(-33)	b_{10}-H_2O(-44) YTVGSLAGQP-28(-82)	GSLAGQPLQE-NH_3(-44) b_{10}(-44)	y_9(-44)	y_{10}(-47)	y_{11}(-42)

[–] **Main Sequence Ions**

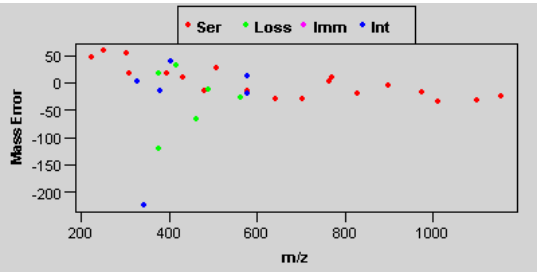
b			y	y^{+2}
---	1	S	15 ---	---
251.1026	2	Y	14 1518.7911	759.8992
352.1503	3	T	13 1355.7278	678.3675
451.2187	4	V	12 1254.6801	627.8437
508.2402	5	G	11 1155.6117	578.3095
595.2722	6	S	10 1098.5902	549.7987
708.3563	7	L	9 1011.5582	506.2827
779.3934	8	A	8 898.4741	449.7407
836.4149	9	G	7 827.4370	414.2221
964.4734	10	Q	6 770.4155	385.7114
1061.5262	11	P	5 642.3570	321.6821
1174.6103	12	L	4 545.3042	273.1557
1302.6688	13	Q	3 432.2201	216.6137
1431.7114	14	E	2 304.1615	152.5844
---	15	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSLAGQPLQER^{+2}



Max Intensity: **4.26**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **88.8%** Matched Series Intensity: **87.8%**



Sequence SYGSLAGQPLQER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H97 N18 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1406.5474	1405.7070	703.7774	703.3571

[–] **Peak Matches**

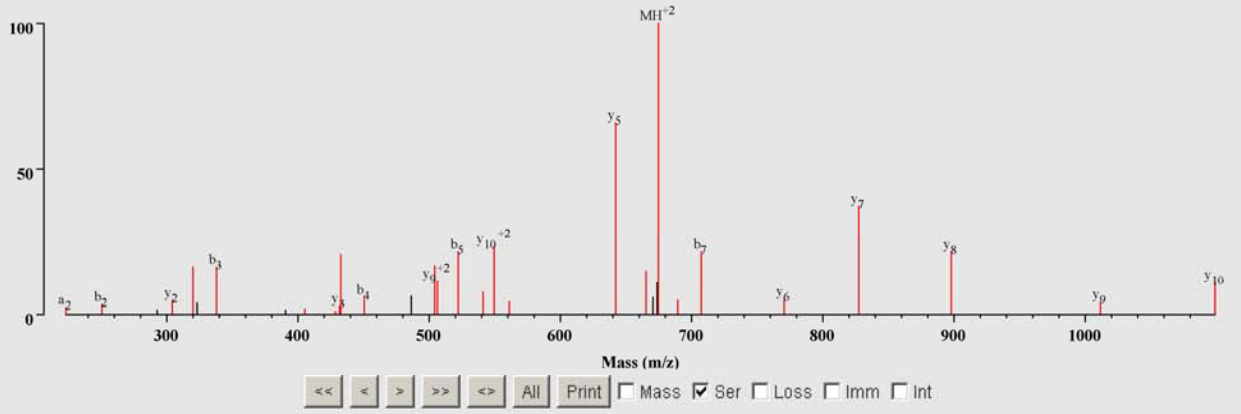
223.1179	251.1175	279.2340	296.2551	304.1782	308.1291	329.1823	332.1561	342.1370	350.1233
a_2(46)	b_2(59)			y_2(55)	YGS(16) b_3(16)	GSLA(1.1) SLAG(1.1)		LAGQ-28(-224)	
375.1958	**377.1524**	**379.1916**	**395.1624**	**403.2134**	**415.2068**	**432.2240**	**445.2032**	**455.1989**	**462.2037**
	b_4-H_2O(18) y_6-NH_3^{+2}(-121)	GQPL-NH_3(-16)	b_4(16)	YGSL-H_2O(39)	y_3-NH_3(32)	y_3(9.0)			a_5-H_2O(-67)
472.2064	**480.2379**	**490.2233**	**508.2532**	**516.2725**	**543.2717**	**561.2521**	**578.3002**	**579.2655**	**642.3385**
	a_5(-15)	b_5-H_2O(-13)	b_5(26)			b_6-H_2O(-26)	AGQPLQ-NH_3(12) QPLQE-H_2O(12) y_{11}^{+2}(-16)	b_6(-20) QPLQE-NH_3(-20)	y_5(-29)
703.3368	**764.3596**	**770.4234**	**827.4198**	**879.4647**	**898.4692**	**974.4771**	**1011.5232**	**1098.5554**	**1155.5836**
MH^{+2}(-29)	b_8(3.0)	y_6(10)	y_7(-21)		y_8(-5.4)	b_{10}(-18)	y_9(-35)	y_{10}(-32)	y_{11}(-24)

[–] **Main Sequence Ions**

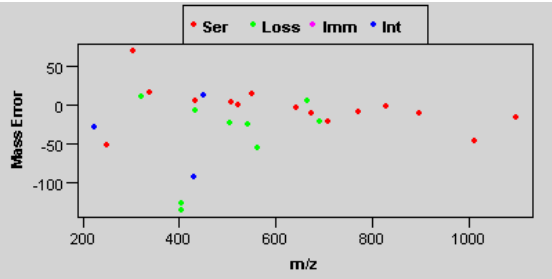
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1318.6750	659.8411
308.1241	3	G	1155.6117	578.3095
395.1561	4	S	1098.5902	549.7987
508.2402	5	L	1011.5582	506.2827
579.2773	6	A	898.4741	449.7407
636.2988	7	G	827.4370	414.2221
764.3573	8	Q	770.4155	385.7114
861.4101	9	P	642.3570	321.6821
974.4942	10	L	545.3042	273.1557
1102.5527	11	Q	432.2201	216.6137
1231.5953	12	E	304.1615	152.5844
---	13	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLAGQPLQER^{+2}



Max Intensity: **3.19**
Num Matched: **26/32 (18.8% unmatched)** Matched Intensity: **93.5%** Matched Series Intensity: **91.4%**



Sequence: SYSLAGQPLQER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C58 H94 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1349.4952	1348.6856	675.2513	674.8464

[–] Peak Matches

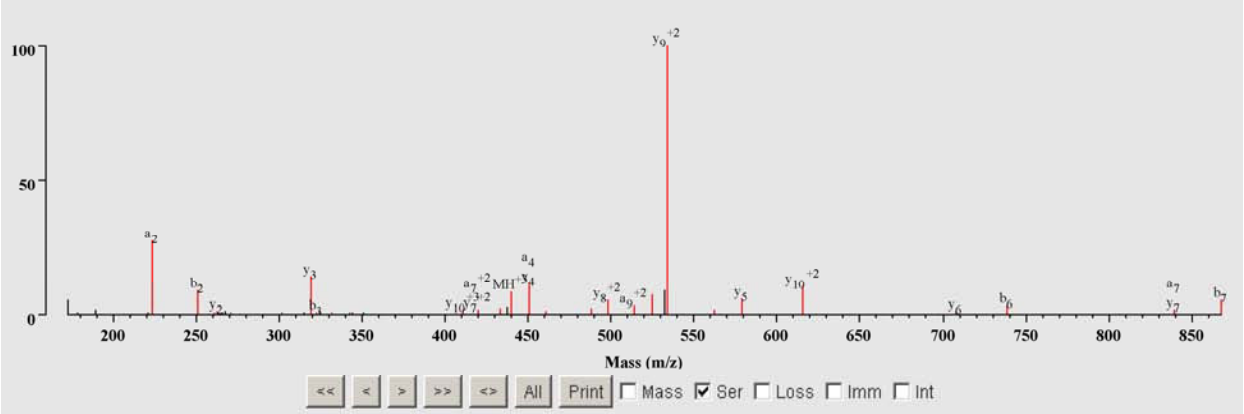
223.1014	251.0897	293.0916	304.1827	320.1277	323.1846	338.1400	391.2032	405.1621	429.2058
a_2(-28) YS-28(-28)	YS(-52) b_2(-52)		y_2(70)	b_3-H_2O(11)		b_3(16)		a_4-H_2O(-126) y_7-H_2O^{+2}(-135)	SLAGQ-28(-93)
432.2227	**433.2050**	**451.2247**	**486.2263**	**504.2343**	**506.2850**	**522.2561**	**541.2723**	**549.8068**	**561.2360**
y_3(6.0)	b_4-H_2O(-7.3)	b_4(13) PLQE-NH_3(13)		b_5-H_2O(-22)	y_9^{+2}(4.5)	b_5(0.50)	y_{10}-NH_3^{+2}(-24)	y_{10}^{+2}(15)	b_6-H_2O(-55)
642.3555	**665.8445**	**671.2915**	**674.3256**	**674.8393**	**690.2947**	**707.3213**	**770.4090**	**827.4353**	**898.4651**
y_5(-2.3)	MH-H_2O^{+2}(5.1)			MH^{+2}(-11)	b_7-NH_3(-21)	AGQPLQE-NH_3(-21) b_7(-21)	y_6(-8.5)	y_7(-2.0)	y_8(-10)
1011.5118	**1098.5726**								
y_9(-46)	y_{10}(-16)								

[–] Main Sequence Ions

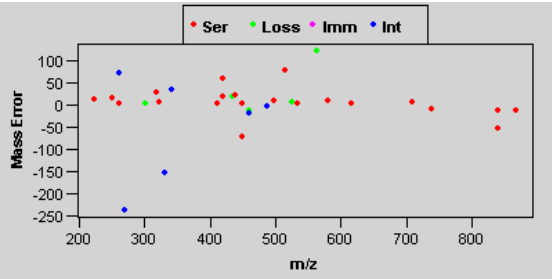
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1261.6535	631.3304
338.1347	3	S	10	1098.5902	549.7987
451.2187	4	L	9	1011.5582	506.2827
522.2558	5	A	8	898.4741	449.7407
579.2773	6	G	7	827.4370	414.2221
707.3359	7	Q	6	770.4155	385.7114
804.3886	8	P	5	642.3570	321.6821
917.4727	9	L	4	545.3042	273.1557
1045.5313	10	Q	3	432.2201	216.6137
1174.5739	11	E	2	304.1615	152.5844
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYARMEEMGSR^{+3}



Max Intensity: **129**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **90.1%** Matched Series Intensity: **89.6%**



Sequence SYARMEEMGSR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C52 H86 N17 O19 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1317.4941	1316.5722	659.2508	658.7897	439.8363	439.5289

[–] **Peak Matches**

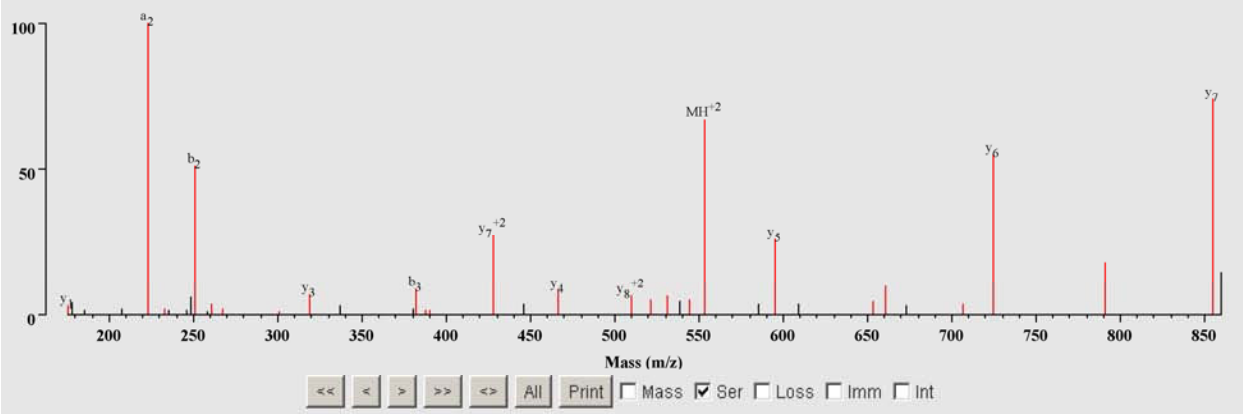
172.1004	178.0902	189.1586	221.1146	223.1103	251.1063	261.1091	262.1515	266.1089	267.1411
				a_2(12)	b_2(15)	EM(72) ME(72)	y_2(2.0)		
271.0579	**301.1626**	**315.1799**	**319.1811**	**322.1417**	**324.0844**	**331.1398**	**342.1708**	**344.2256**	**351.0861**
RM-NH_3(-238)	y_3-H_2O(2.4)		y_3(27)	b_3(6.1)		ARM-28(-155)	ARM-NH_3(33)		
410.5191	**420.1972**	**433.5337**	**437.1926**	**439.5386**	**450.2135**	**460.2243**	**488.2264**	**498.2286**	**514.2597**
y_{10}^{+3}(2.1)	y_7^{+2}(58) a_7^{+2}(18)	MH-H_2O^{+3}(19)		MH^{+3}(22)	y_4(1.3) a_4(-72)	b_4-H_2O(-13) ARME-28(-20)	ARME(-4.5)	y_8^{+2}(10)	a_9^{+2}(76)
524.7404	**532.3073**	**533.7428**	**562.2972**	**579.2607**	**615.2743**	**708.3017**	**738.3155**	**839.3272**	**867.3558**
y_9-H_2O^{+2}(6.9)		y_9^{+2}(1.4)	y_5-NH_3(121)	y_5(8.9)	y_{10}^{+2}(0.95)	y_6(5.1)	b_6(-11)	y_7(-14) a_7(-53)	b_7(-12)

[–] **Main Sequence Ions**

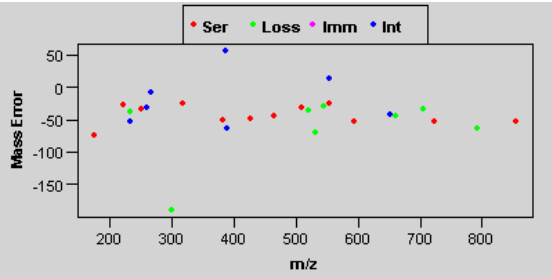
b	b^{+2}			y	y^{+2}
---	---	1	**S**	11 ---	---
251.1026	---	2	**Y**	10 1229.5402	615.2737
322.1397	---	3	**A**	9 1066.4768	533.7421
478.2409	239.6241	4	**R**	8 995.4397	498.2235
609.2813	305.1443	5	**M**	7 839.3386	420.1729
738.3239	369.6656	6	**E**	6 708.2981	354.6527
867.3665	434.1869	7	**E**	5 579.2555	290.1314
998.4070	499.7071	8	**M**	4 450.2129	225.6101
1055.4285	528.2179	9	**G**	3 319.1724	160.0899
1142.4605	571.7339	10	**S**	2 262.1510	131.5791
---	---	11	**R**	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMEEM(Oxidation)GSR^{+2}



Max Intensity: **24.1**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **89.8%** Matched Series Intensity: **88.1%**



Sequence: SYMEEM(Oxidation)GSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C43 H69 N12 O18 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1106.0638	1105.4289	553.5356	553.2181

[–] Peak Matches

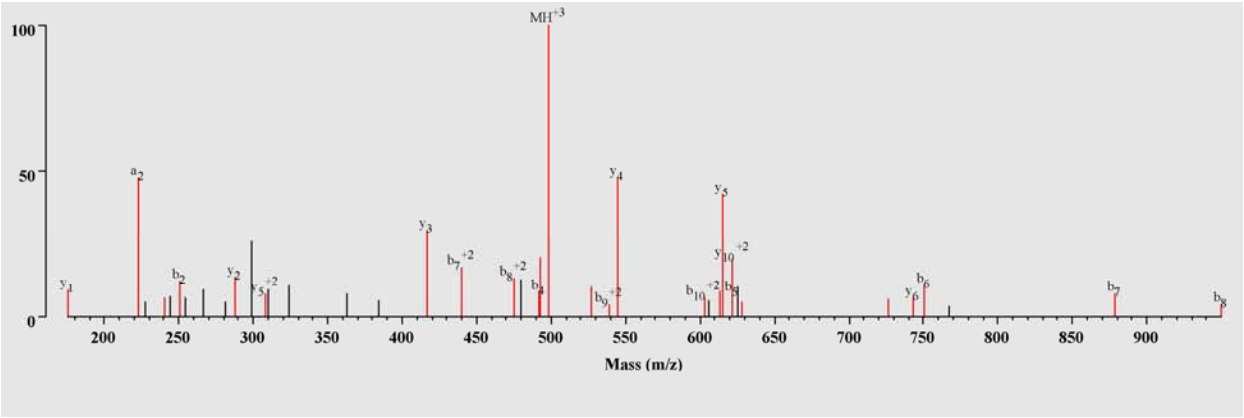
175.1058	**178.0814**	**185.1171**	**207.1046**	**223.1014**	**233.0830**	**235.1044**	**246.1210**	**248.1414**	**251.0944**
y_1(-75)				a_2(-28)	b_2-H_2O(-39) ME-28(-53)				b_2(-33)
258.1496	**261.0819**	**267.1137**	**301.1046**	**319.1641**	**337.1097**	**380.1262**	**382.1234**	**388.1390**	**390.1085**
	ME(-32)	YM-28(-9.3)	y_3-H_2O(-190)	y_3(-26)			b_3(-52)	EEM(Oxidation)-H_2O(56)	MEE(-63)
428.1496	**446.2509**	**466.1869**	**509.6855**	**521.1998**	**531.2142**	**538.2039**	**544.1967**	**553.2037**	**585.2839**
y_7^{+2}(-49)		y_4(-45)	y_8^{+2}(-32)	MH-$SOCH_4^{+2}$(-37)	y_5-$SOCH_4$(-71)		MH-H_2O^{+2}(-30)	YMEE(13) MH^{+2}(-26)	
595.2188	**609.3023**	**653.1987**	**660.2659**	**673.3401**	**706.2594**	**724.2547**	**791.2849**	**855.2870**	**859.3854**
y_5(-53)		MEEM(Oxidation)GS-28(-43)	y_6-$SOCH_4$(-44)		y_6-H_2O(-33)	y_6(-53)	y_7-$SOCH_4$(-64)	y_7(-54)	

[–] Main Sequence Ions

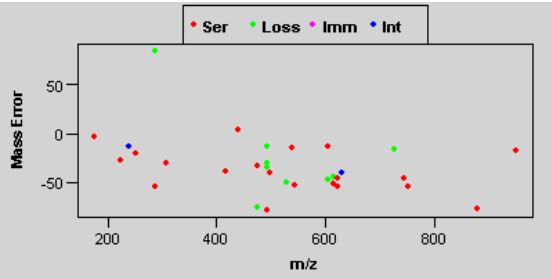
b				y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	1018.3968	509.7021
382.1431	3	M	7	855.3335	428.1704
511.1857	4	E	6	724.2930	362.6502
640.2283	5	E	5	595.2504	298.1289
787.2637	6	M(Oxidation)	4	466.2078	233.6076
844.2852	7	G	3	319.1724	160.0899
931.3172	8	S	2	262.1510	131.5791
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKLEEQAQQIR^{+3}



Max Intensity: **17.8**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **79.4%** Matched Series Intensity: **73.7%**



Sequence: SYKLEEQAQQIR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C64 H106 N19 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1493.6697	1492.7754	747.3386	746.8914	498.5615	498.2633

[–] **Peak Matches**

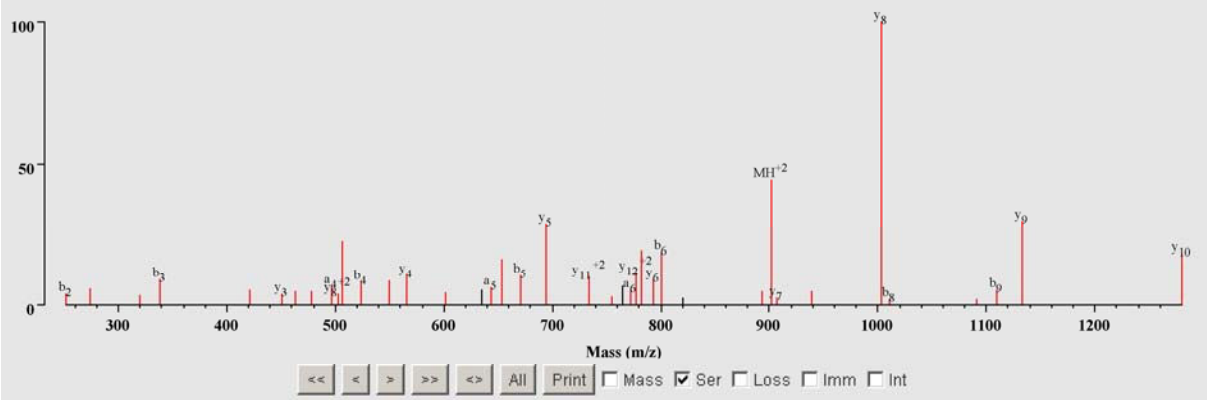
175.1183	223.1014	227.1211	240.0948	244.1488	251.0974	254.1298	266.1294	281.1729	288.1874
y_1(-3.7)	a_2(-28)		EQ-H_2O(-13) QQ-NH_3(-13)		b_2(-21)				a_5-H_2O^{+2}(85) y_2(-54)
299.1830	**308.1726**	**310.1528**	**324.1508**	**363.1978**	**384.1908**	**416.2452**	**439.7179**	**475.2190**	**480.0278**
	y_5^{+2}(-31)					y_3(-39)	b_7^{+2}(3.6)	b_8^{+2}(-33) b_4-NH_3(-76)	
492.2427	**492.5724**	**498.2429**	**527.2669**	**539.2560**	**544.2911**	**603.2856**	**605.7940**	**613.3036**	**615.3255**
y_8-H_2O^{+2}(-13) MH-H_2O^{+3}(-35) b_4(-79)	MH-NH_3^{+3}(-31)	MH^{+3}(-41)	y_4-NH_3(-51)	b_9^{+2}(-15)	y_4(-53)	b_{10}^{+2}(-13) b_5-H_2O(-47)		y_{10}-NH_3^{+2}(-44)	y_5(-52)
621.2957	**621.8101**	**625.7834**	**628.3049**	**726.3778**	**743.3818**	**750.3261**	**767.3522**	**878.3573**	**949.4453**
b_5(-46)	y_{10}^{+2}(-54)		KLEEQ(-40)	y_6-NH_3(-16)	y_6(-46)	b_6(-54)		b_7(-78)	b_8(-18)

[–] **Main Sequence Ions**

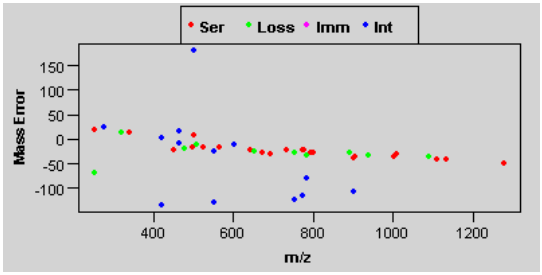
b	b^{+2}			y	y^{+2}
---	---	1	**S** 12	---	---
251.1026	---	2	**Y** 11	1405.7434	703.3753
379.1976	190.1024	3	**K** 10	1242.6801	621.8437
492.2817	246.6445	4	**L** 9	1114.5851	557.7962
621.3243	311.1658	5	**E** 8	1001.5010	501.2542
750.3668	375.6871	6	**E** 7	872.4585	436.7329
878.4254	439.7164	7	**Q** 6	743.4159	372.2116
949.4625	475.2349	8	**A** 5	615.3573	308.1823
1077.5211	539.2642	9	**Q** 4	544.3202	272.6637
1205.5797	603.2935	10	**Q** 3	416.2616	208.6344
1318.6638	659.8355	11	**I** 2	288.2030	144.6051
---	---	12	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSWFEPLVEDM(Oxidation)QR^{+2}



Max Intensity: **150**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **97.0%** Matched Series Intensity: **96.6%**



Sequence: SYSWFEPLVEDM(Oxidation)QR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C81 H116 N19 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1803.8384	1802.8054	902.4229	901.9063

[–] Peak Matches

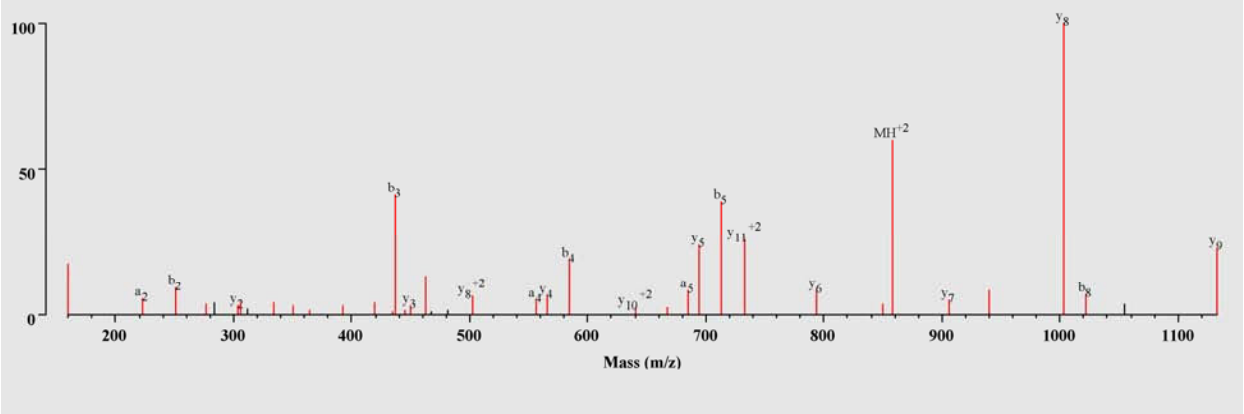
251.1072	274.1250	320.1281	338.1393	421.1876	450.2025	463.1937	478.1993	496.2102	502.2511
YS(18) b_2(18) y_4-SOCH$_4$$^{+2}$(-69)	y_4-H$_2$O^{+2}(24) SW(23)	b_3-H$_2$O(13)	b_3(14)	SWF(1.3) PLVE-H$_2$O(-135) EPLV-H$_2$O(-135)	y_3(-23)	VEDM(Oxidation)-28(17) WFE(-8.4)	a_4-H$_2$O(-19)	a_4(-18)	EDM(Oxidation)Q-H$_2$O(181) $y_8$$^{+2}$(7.2)
506.1971	**524.2050**	**550.2165**	**565.2299**	**601.2226**	**635.2384**	**643.2729**	**653.2551**	**671.2638**	**694.2617**
b_4-H$_2$O(-12)	b_4(-17)	SWFE(-24) EPLVE-H$_2$O(-128)	y_4(-18)	VEDM(Oxidation)Q-H$_2$O(-10)		a_5(-23)	b_5-H$_2$O(-26)	b_5(-28)	y_5(-30)
733.3276	**754.2995**	**764.2736**	**772.3131**	**776.8405**	**782.2887**	**793.3275**	**800.3022**	**819.8162**	**892.8768**
$y_{11}$$^{+2}$(-21)	a_6-H$_2$O(-27) WFEPLV-H$_2$O(-123)		a_6(-22) WFEPLV(-116)	$y_{12}$$^{+2}$(-23)	b_6-H$_2$O(-33) YSWFEP-28(-79)	y_6(-29)	b_6(-28)		MH-H$_2$O^{+2}(-27)
901.3498	**901.8717**	**906.4017**	**939.4590**	**1003.4518**	**1010.4306**	**1091.4799**	**1109.4836**	**1132.4826**	**1279.5345**
WFEPLVE(-106)	MH^{+2}(-38)	y_7(-37)	y_8-SOCH$_4$(-32)	y_8(-36)	b_8(-31)	b_9-H$_2$O(-36)	b_9(-42)	y_9(-42)	y_{10}(-50)

[–] Main Sequence Ions

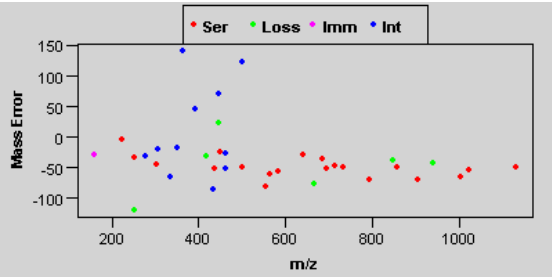
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1715.7734	858.3903
338.1347	3	S	12	1552.7101	776.8587
524.2140	4	W	11	1465.6780	733.3427
671.2824	5	F	10	1279.5987	640.3030
800.3250	6	E	9	1132.5303	566.7688
897.3777	7	P	8	1003.4877	502.2475
1010.4618	8	L	7	906.4349	453.7211
1109.5302	9	V	6	793.3509	397.1791
1238.5728	10	E	5	694.2825	347.6449
1353.5998	11	D	4	565.2399	283.1236
1500.6352	12	M(Oxidation)	3	450.2129	225.6101
1628.6937	13	Q	2	303.1775	152.0924
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYWFEPLVEDM(Oxidation)QR^{+2}



Max Intensity: **21.1**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **95.4%** Matched Series Intensity: **94.5%**



Sequence: SYWFEPLVEDM(Oxidation)QR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H111 N18 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1716.7597	1715.7734	858.8836	858.3903

[–] Peak Matches

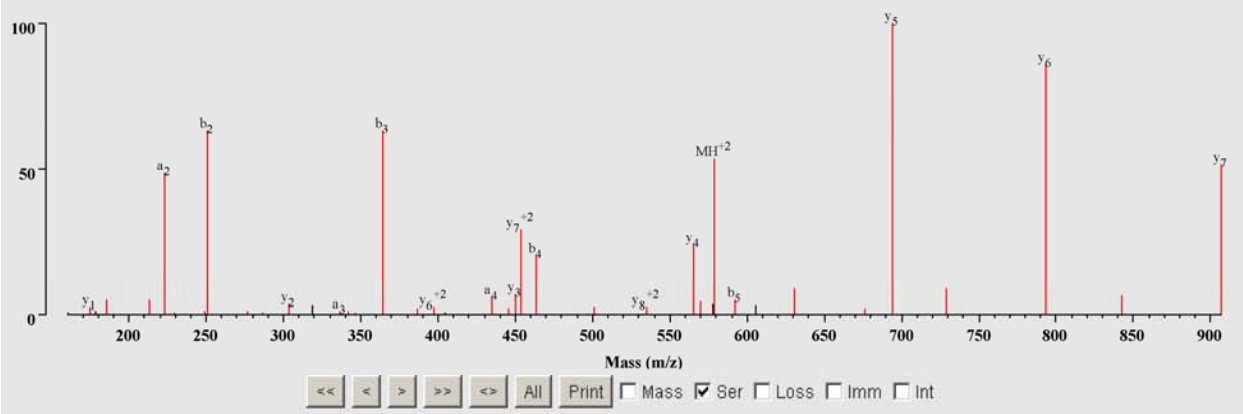
159.0870	223.1070	251.0944	277.1093	283.2540	303.1641	306.1540	311.2771	334.1329	350.1438
W(-29)	a_2(-3.2)	b_2(-33) y_4-SOCH$_4$$^{+2}$(-120)	FE(-32)		y_2(-44)	WF-28(-20)		WF(-66)	YW(-17)
364.1688	**392.1299**	**419.1581**	**435.1651**	**437.1594**	**445.2180**	**450.2021**	**463.1737**	**467.1437**	**481.1813**
EDM(Oxidation)-28(141)	EDM(Oxidation)(45)	b_3-H$_2$O(-32)	WFE-28(-86)	b_3(-52)	WFE-H$_2$O(70) y_7-NH$_3$$^{+2}$(23)	y_3(-24)	VEDM(Oxidation)-28(-26) WFE(-52)		
502.2222	**556.2105**	**565.2057**	**584.2174**	**640.2842**	**667.2367**	**685.2735**	**694.2461**	**713.2585**	**733.3065**
EDM(Oxidation)Q-H$_2$O(123) $y_8$$^{+2}$(-50)	a_4(-81)	y_4(-60)	b_4(-56)	$y_{10}$$^{+2}$(-29)	a_5-H$_2$O(-76)	a_5(-36)	y_5(-52)	b_5(-48)	$y_{11}$$^{+2}$(-49)
793.2962	**849.3523**	**857.8768**	**858.3481**	**906.3728**	**939.4491**	**1003.4219**	**1022.4426**	**1054.4760**	**1132.4753**
y_6(-69)	MH-H$_2$O^{+2}(-39)		MH^{+2}(-49)	y_7(-69)	y_8-SOCH$_4$(-43)	y_8(-66)	b_8(-54)		y_9(-49)

[–] Main Sequence Ions

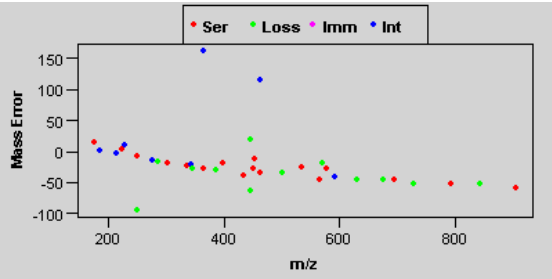
b			y	y^{+2}
---	1	S	13 ---	---
251.1026	2	Y	12 1628.7414	814.8743
437.1819	3	W	11 1465.6780	733.3427
584.2504	4	F	10 1279.5987	640.3030
713.2930	5	E	9 1132.5303	566.7688
810.3457	6	P	8 1003.4877	502.2475
923.4298	7	L	7 906.4349	453.7211
1022.4982	8	V	6 793.3509	397.1791
1151.5408	9	E	5 694.2825	347.6449
1266.5677	10	D	4 565.2399	283.1236
1413.6031	11	M(Oxidation)	3 450.2129	225.6101
1541.6617	12	Q	2 303.1775	152.0924
---	13	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLVEDM(Oxidation)QR^{+2}



Max Intensity: **717**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **98.1%**



Sequence: SYLVEDM(Oxidation)QR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C48 H78 N13 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1157.1334	1156.5303	579.0704	578.7688

[–] Peak Matches

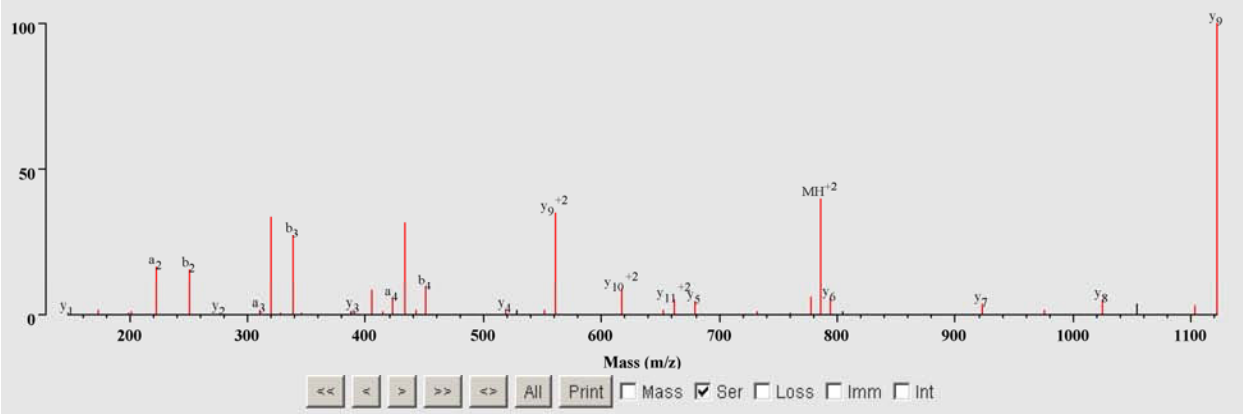
160.0769	**175.1214**	**178.0869**	**185.1649**	**213.1589**	**223.1084**	**229.1205**	**249.1579**	**251.1006**	**277.1509**
	y_1(14)		LV-28(0.33)	LV(-4.0)	a_2(3.1)	VE(9.7)	YL-28(-7.4)	b_2(-8.1) y_4-SOCH$_4^{+2}$(-95)	YL(-14)
286.1461	**303.1719**	**319.1595**	**336.1840**	**342.1952**	**346.1665**	**364.1764**	**386.2036**	**397.1712**	**404.2104**
y_2-NH$_3$(-17)	y_2(-19)		a_3(-23)	LVE(-21)	b_3-H$_2$O(-28)	EDM(Oxidation)-28(162) b_3(-28)	y_3-SOCH$_4$(-29)	y_6^{+2}(-20)	
435.2433	**445.2167**	**450.2007**	**453.7154**	**463.2389**	**501.2243**	**535.2386**	**565.2147**	**569.7527**	**578.2709**
a_4(-39)	y_7-NH$_3^{+2}$(20) b_4-H$_2$O(-63)	y_3(-27)	y_7^{+2}(-13)	VEDM(Oxidation)-28(115) b_4(-35)	y_4-SOCH$_4$(-34)	y_8^{+2}(-26)	y_4(-45)	MH-H$_2$O^{+2}(-19)	
578.7534	**592.2728**	**605.8038**	**630.2559**	**676.2410**	**694.2503**	**729.3142**	**793.3096**	**842.3921**	**906.3822**
MH^{+2}(-27)	b_5(-42) YLVED-28(-42)		y_5-SOCH$_4$(-45)	y_5-H$_2$O(-46)	y_5(-46)	y_6-SOCH$_4$(-53)	y_6(-52)	y_7-SOCH$_4$(-53)	y_7(-58)

[–] Main Sequence Ions

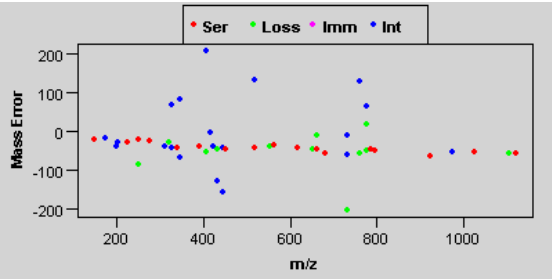
b				y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	1069.4983	535.2528
364.1867	3	L	7	906.4349	453.7211
463.2551	4	V	6	793.3509	397.1791
592.2977	5	E	5	694.2825	347.6449
707.3246	6	D	4	565.2399	283.1236
854.3600	7	M(Oxidation)	3	450.2129	225.6101
982.4186	8	Q	2	303.1775	152.0924
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLPTEDC(Carbamidomethyl)ENEK^{+2}



Max Intensity: **1254**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **97.8%**



Sequence: SYSLPTEDC(Carbamidomethyl)ENEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C64 H99 N16 O28 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1572.4890	1571.6530	786.7482	786.3301

[–] Peak Matches

147.1100	173.1253	199.1003	201.1178	223.1014	251.0974	276.1491	310.1278	320.1150	328.1364
y_1(-19)	SL-28(-18)	PT(-37)	SL(-28)	YS-28(-28) a_2(-28)	YS(-21) b_2(-21) y_4-H_2O^{+2}(-85)	y_2(-23)	a_3(-39) PTE-H_2O(-39)	b_3-H_2O(-28)	TED-H_2O(68) PTE(-42)
338.1200	**346.1530**	**388.1744**	**390.1833**	**405.1922**	**415.1820**	**423.2077**	**433.1892**	**443.1595**	**451.1986**
b_3(-43)	TED(82) YSL-H_2O(-67)		y_3(-39)	DC(Carbamidomethyl)E(209) EDC(Carbamidomethyl)(209) a_4-H_2O(-52)	PTED-28(-0.82)	a_4(-38) LPTE-H_2O(-38)	b_4-H_2O(-44) YSLP-28(-128)	PTED(-40) YSLP-H_2O(-157)	b_4(-45)
519.2204	**527.7538**	**552.1980**	**561.2056**	**617.7412**	**652.2485**	**661.2536**	**679.2345**	**732.2075**	**760.3085**
DC(Carbamidomethyl)EN(135) y_4(-40)		y_9-H_2O^{+2}(-38)	y_9^{+2}(-34)	y_{10}^{+2}(-41)	y_{11}-H_2O^{+2}(-44)	y_5-H_2O(-11) y_{11}^{+2}(-44)	y_5(-55)	TEDC(Carbamidomethyl)EN-NH_3(-9.0) PTEDC(Carbamidomethyl)E(-59) a_7-H_2O(-203)	EDC(Carbamidomethyl)ENE-NH_3(131) b_7-H_2O(-56)
777.2859	**786.2933**	**794.2587**	**804.4074**	**923.2840**	**975.2833**	**1024.3348**	**1054.4822**	**1103.3678**	**1121.3781**
EDC(Carbamidomethyl)ENE(65) y_6-NH_3(18) MH-H_2O^{+2}(-50)	MH^{+2}(-47)	y_6(-50)		y_7(-62)	PTEDC(Carbamidomethyl)ENE(-54)	y_8(-53)		y_9-H_2O(-57)	y_9(-57)

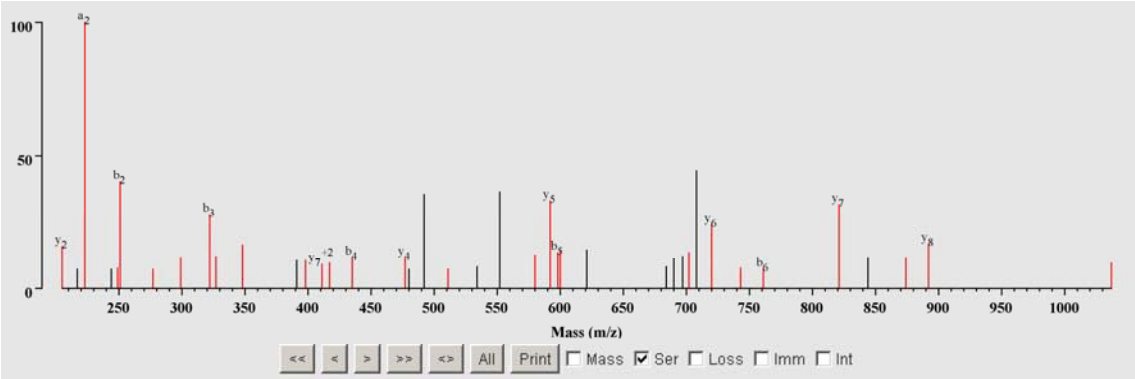
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1484.6210	742.8141
338.1347	3	S	11	1321.5576	661.2825
451.2187	4	L	10	1234.5256	617.7664
548.2715	5	P	9	1121.4415	561.2244
649.3192	6	T	8	1024.3888	512.6980
778.3618	7	E	7	923.3411	462.1742
893.3887	8	D	6	794.2985	397.6529
1053.4194	9	C(Carbamidomethyl)	5	679.2716	340.1394
1182.4619	10	E	4	519.2409	260.1241
1296.5049	11	N	3	390.1983	195.6028
1425.5475	12	E	2	276.1554	138.5813

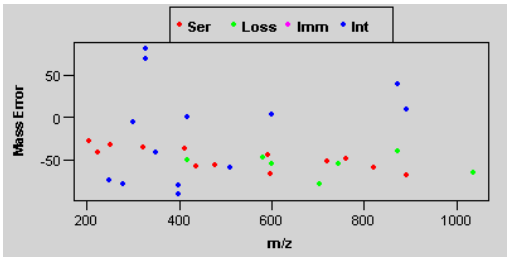
---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALYYATQNC(Carbamidomethyl)LGK^{+3}



Max Intensity: **31.3**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **69.8%** Matched Series Intensity: **69.8%**



Sequence SYALYYATQNC(Carbamidomethyl)LGK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H111 N18 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1652.7124	1651.7785	826.8599	826.3929	551.5758	551.2643

[–] **Peak Matches**

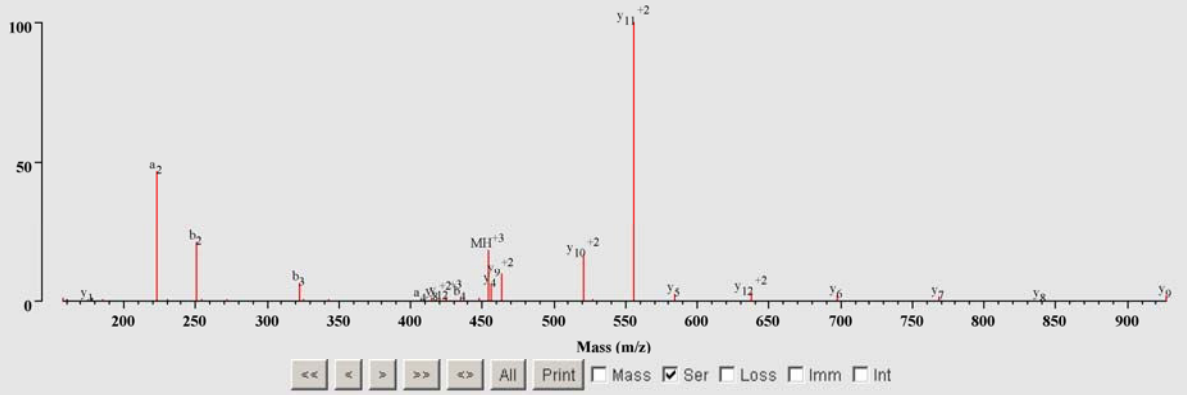
204.1286	217.0742	223.0985	244.1340	249.1412	251.0944	277.1329	299.1372	322.1280	327.1565
y_2(-28)		a_2(-41)		LY-28(-74)	b_2(-33)	LY(-79)	YY-28(-6.2)	b_3(-36)	TQN-NH_3(81) YY(69)
348.1774	**391.1728**	**398.1347**	**410.6877**	**417.1918**	**435.1987**	**477.2223**	**480.2248**	**492.2154**	**511.2250**
YAL(-41) ALY(-41)		ATQN-NH_3(-81) YYA(-91)	y_7^{+2}(-37)	NC(Carbamidomethyl)LG-28(0.80) b_4-H_2O(-51)	b_4(-58)	y_4(-56)			ALYY(-59) LYYA(-59) YALY(-59)
533.2556	**551.2732**	**580.2486**	**591.2656**	**598.2473**	**600.2466**	**621.2485**	**684.2952**	**690.2790**	**697.2516**
		b_5-H_2O(-48)	y_5(-44)	b_5(-67)	TQNC(Carbamidomethyl)L-NH_3(3.3) y_{10}-H_2O^{+2}(-55)				
702.2686	**708.2779**	**719.3129**	**743.2992**	**761.3135**	**820.3489**	**844.3090**	**873.3898**	**891.3746**	**1036.4193**
y_6-NH_3(-79)		y_6(-52)	b_6-H_2O(-55)	b_6(-49)	y_7(-60)		YYATQNC(Carbamidomethyl)-28(39) y_8-H_2O(-40)	YATQNC(Carbamidomethyl)LG-NH_3(9.1) y_8(-68)	y_9-H_2O(-66)

[–] **Main Sequence Ions**

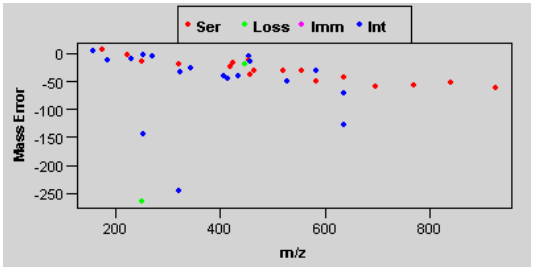
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1564.7464	782.8769
322.1397	3	A	1401.6831	701.3452
435.2238	4	L	1330.6460	665.8266
598.2871	5	Y	1217.5619	609.2846
761.3505	6	Y	1054.4986	527.7529
832.3876	7	A	891.4353	446.2213
933.4353	8	T	820.3982	410.7027
1061.4938	9	Q	719.3505	360.1789
1175.5368	10	N	591.2919	296.1496
1335.5674	11	C(Carbamidomethyl)	477.2490	239.1281
1448.6515	12	L	317.2183	159.1128
1505.6729	13	G	204.1343	102.5708
---	14	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAISAALKPALR^{+3}



Max Intensity: **1741**
Num Matched: **29/33 (12.1% unmatched)** Matched Intensity: **98.6%** Matched Series Intensity: **98.8%**



Sequence SYAISAALKPALR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H106 N17 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1361.6372	1360.7947	681.3223	680.9010	454.5507	454.2698

[–] **Peak Matches**

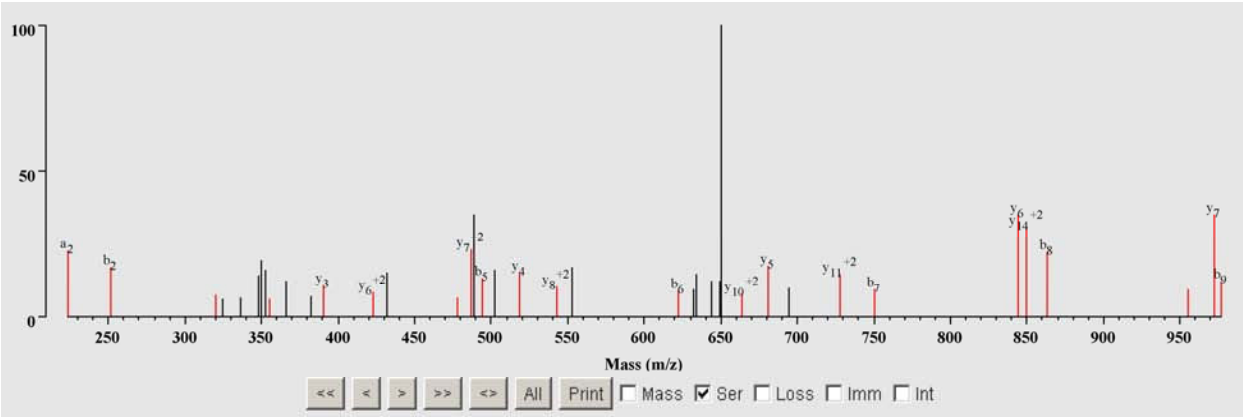
157.1343	160.0757	175.1202	178.0869	185.1262	223.1069	230.1114	251.0991	254.1495	272.1589
AL-28(4.8) AI-28(4.8)		y_1(7.1)		AL(-12) AI(-12)	a_2(-3.7)	SAA(-9.3)	b_2(-14) y_7-NH_3^{+3}(-265)	AIS-H_2O(-1.6) ISA-H_2O(-1.6) PAL-28(-145)	ISA(-5.8) AIS(-5.8)
322.1335	**325.1759**	**343.1885**	**407.2126**	**414.2166**	**420.2670**	**425.2521**	**435.2058**	**448.2571**	**453.9754**
b_3(-19) LKP-NH_3(-245)	SAAL-H_2O(-34) ISAA-H_2O(-34) AISA-H_2O(-34)	SAAL(-27) AISA(-27) ISAA(-27)	a_4(-40) YAIS-28(-40)	AISAA(-44)	y_8^{+2}(-23)	y_{12}^{+3}(-16)	b_4(-41) YAIS(-41)	MH-H_2O^{+3}(-20)	
454.2638	**456.2750**	**463.7789**	**520.3183**	**527.2924**	**555.3051**	**555.8360**	**584.3584**	**637.3580**	**697.4306**
SAALK-NH_3(-4.9) MH^{+3}(-13)	ISAAL(-15) y_4(-39)	y_9^{+2}(-30)	y_{10}^{+2}(-32)	AISAAL(-50)		y_{11}^{+2}(-31)	ISAALK(-31) y_5(-50)	y_{12}^{+2}(-42) AISAALK-H_2O(-71) AALKPAL-28(-128)	y_6(-59)
768.4653	**839.5023**	**926.5219**							
y_7(-57)	y_8(-52)	y_9(-61)							

[–] **Main Sequence Ions**

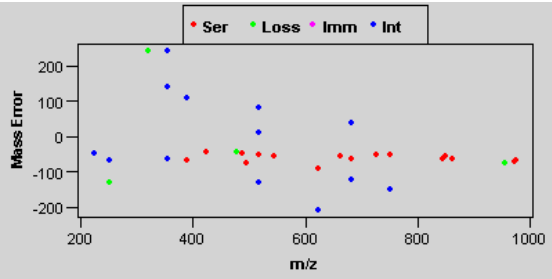
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1273.7627	637.3850
322.1397	---	3	**A**	11	1110.6994	555.8533
435.2238	---	4	**I**	10	1039.6622	520.3348
522.2558	---	5	**S**	9	926.5782	463.7927
593.2930	---	6	**A**	8	839.5461	420.2767
664.3301	---	7	**A**	7	768.5090	384.7582
777.4141	---	8	**L**	6	697.4719	349.2396
905.5091	453.2582	9	**K**	5	584.3879	292.6976
1002.5619	501.7846	10	**P**	4	456.2929	228.6501
1073.5990	537.3031	11	**A**	3	359.2401	180.1237
1186.6830	593.8452	12	**L**	2	288.2030	144.6051
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSGVQQLIQYYQDQK^{+3}



Max Intensity: **16.5**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **48.2%** Matched Series Intensity: **48.2%**



Sequence SYSGVQQLIQYYQDQK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C87 H131 N22 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1949.1404	1947.9447	975.0739	974.4760	650.3851	649.9864

[–] Peak Matches

223.0971	251.0854	320.2013	324.1917	336.2120	348.1968	350.2164	352.2369	355.2108	366.2034
a_2(-48) YS-28(-48)	b_2(-69) YS(-69) y_4-NH_3^{+2}(-133)	b_3-H_2O(241)						QDQ-NH_3(242) SGVQ-NH_3(140) QLI(-65) LIQ(-65)	
382.1974	**390.1721**	**422.6763**	**432.1970**	**477.6979**	**486.7005**	**488.7382**	**494.1868**	**502.2201**	**518.2289**
	YQD-NH_3(109) y_3(-67)	y_6^{+2}(-45)		y_7-H_2O^{+2}(-45)	y_7^{+2}(-50)		b_5(-76)		YQDQ-NH_3(79) YSGVQ-NH_3(8.4) y_4(-54) LIQY(-132)
543.2368	**552.7497**	**622.2255**	**632.2942**	**634.2780**	**643.6100**	**649.3610**	**649.9495**	**650.2874**	**663.8016**
y_8^{+2}(-55)		b_6(-93) GVQQLI-NH_3(-210)							y_{10}^{+2}(-55)
681.2758	**694.2486**	**727.8299**	**750.3028**	**844.3289**	**849.3798**	**863.3694**	**955.3420**	**972.3714**	**976.4422**
QYYQD-NH_3(36) YYQDQ-NH_3(36) y_5(-65) LIQYY(-125)		y_{11}^{+2}(-51)	b_7(-52) GVQQLIQ-NH_3(-149)	y_6(-65)	y_{14}^{+2}(-57)	b_8(-65)	y_7-NH_3(-77)	y_7(-73)	b_9(-69)

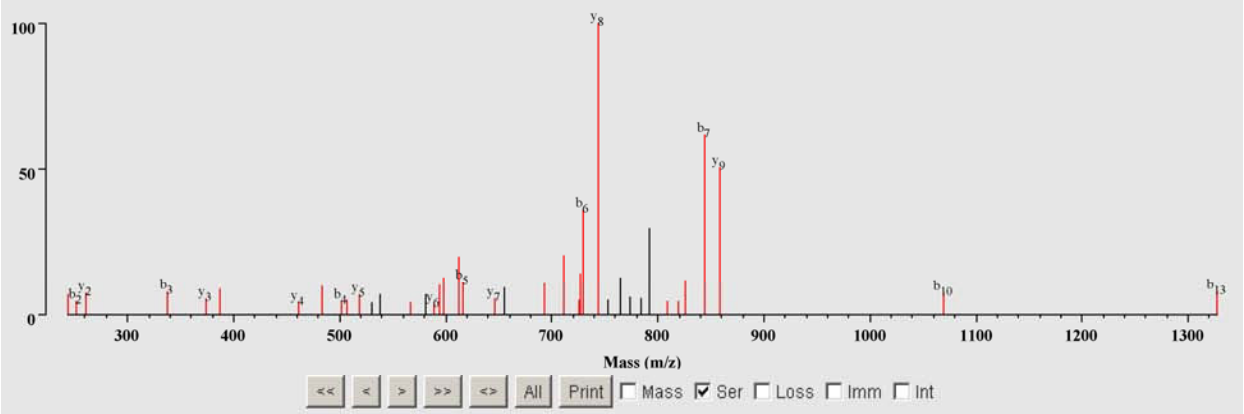
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	16 ---	---
251.1026	2	Y	15 1860.9127	930.9600
338.1347	3	S	14 1697.8493	849.4283
395.1561	4	G	13 1610.8173	805.9123
494.2245	5	V	12 1553.7958	777.4016
622.2831	6	Q	11 1454.7274	727.8673
750.3417	7	Q	10 1326.6688	663.8381
863.4258	8	L	9 1198.6103	599.8088
976.5098	9	I	8 1085.5262	543.2667
1104.5684	10	Q	7 972.4421	486.7247
1267.6317	11	Y	6 844.3836	422.6954
1430.6951	12	Y	5 681.3202	341.1638
1558.7536	13	Q	4 518.2569	259.6321

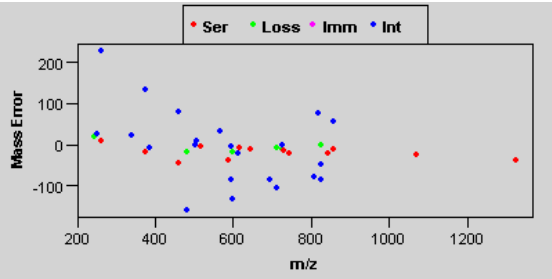
1673.7806	14	**D**	3	390.1983	195.6028
1801.8392	15	**Q**	2	275.1714	138.0893
---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYDLDPGAGSLEI^{+2}



Max Intensity: **24.8**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **84.8%** Matched Series Intensity: **84.8%**



Sequence SYSYDLDPGAGSLEI
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C70 H104 N15 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1587.6904	1586.7221	794.3489	793.8647

[–] Peak Matches

243.1382	251.1088	261.1464	338.1418	374.2214	387.1848	461.2403	483.1787	501.1976	507.2133
LE(18) y_2-H_2O(18)	b_2(25) YS(25) YD-28(25) SY(25)	YD-H_2O(228) y_2(7.3)	b_3(21) SYD-28(21)	YDL-H_2O(135) y_3(-19)	GSLE(-6.8)	SYDL-H_2O(81) y_4(-44)	b_4-H_2O(-18) LDPGAG-28(-160) PGAGSL(-160)	b_4(-0.78) YSYD-28(-0.78)	YDLD(9.4)
518.2789	**530.2241**	**537.8058**	**566.2635**	**581.2534**	**589.2960**	**594.2385**	**598.2037**	**612.2863**	**616.2196**
y_5(-6.1)			SYDLD-28(31)		y_6(-39)	SYDLD(-3.5) PGAGSLE-H_2O(-84)	b_5-H_2O(-18) DPGAGSL(-133) DLDPGAG-28(-133) LDPGAGS(-133)	PGAGSLE(-20)	b_5(-8.7)
646.3330	**654.7931**	**693.2986**	**711.2921**	**725.3736**	**727.3247**	**729.2989**	**743.3786**	**752.3795**	**764.3594**
y_7(-12)		LDPGAGSL-H_2O(-84)	b_6-H_2O(-8.9) LDPGAGSL(-106)	y_8-H_2O(-13)	DPGAGSLE(-1.4)	YSYDLD-28(-14) b_6(-14)	y_8(-20)		
773.3508	**784.8340**	**792.3999**	**808.3185**	**819.4143**	**826.3230**	**844.3168**	**858.4106**	**1069.4217**	**1326.5338**
			DLDPGAGSL-H_2O(-80)	SYDLDPGA(76)	b_7-H_2O(-2.9) YSYDLDP-28(-47) DLDPGAGSL(-86)	b_7(-23)	SYDLDPGAG-H_2O(56) YDLDPGAGS-H_2O(56) y_9(-11)	b_{10}(-24)	b_{13}(-38)

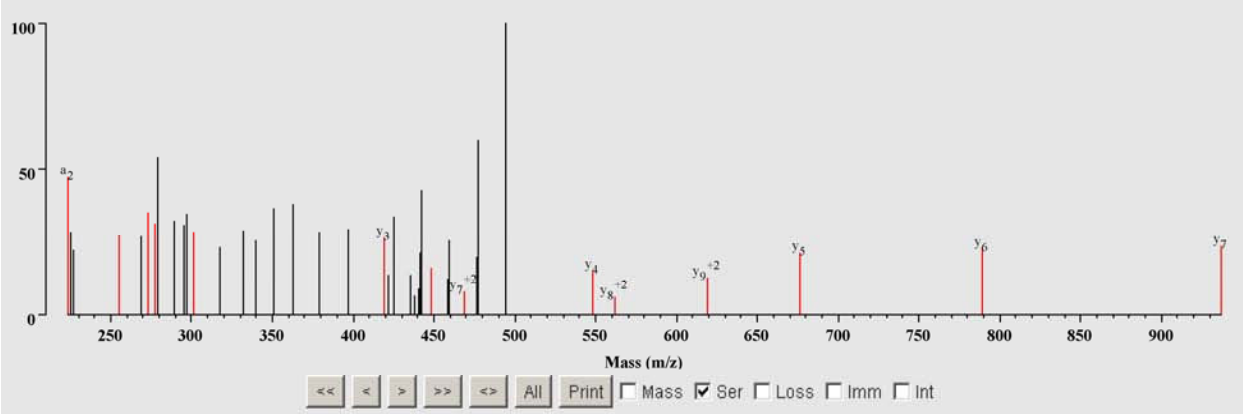
[–] Main Sequence Ions

b			y
---	1	S 15	---
251.1026	2	Y 14	1499.6900
338.1347	3	S 13	1336.6267
501.1980	4	Y 12	1249.5947
616.2249	5	D 11	1086.5313
729.3090	6	L 10	971.5044
844.3359	7	D 9	858.4203
941.3887	8	P 8	743.3934
998.4102	9	G 7	646.3406
1069.4473	10	A 6	589.3192
1126.4687	11	G 5	518.2821
1213.5008	12	S 4	461.2606
1326.5848	13	L 3	374.2286
1455.6274	14	E 2	261.1445

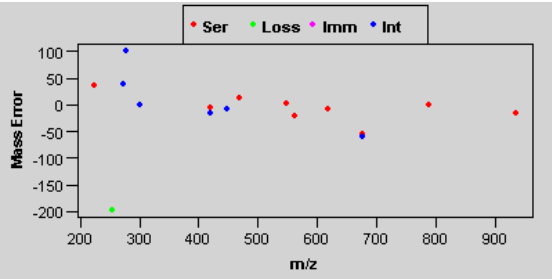
--- 15 I 1 132.1019

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNWFLKEFPR^{+3}



Max Intensity: **5.92**
Num Matched: **14/40 (65.0% unmatched)** Matched Intensity: **28.7%** Matched Series Intensity: **28.7%**



Sequence: SYNWFLKEFPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H100 N17 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1487.7115	1486.7478	744.3595	743.8775	496.5755	496.2541

[–] **Peak Matches**

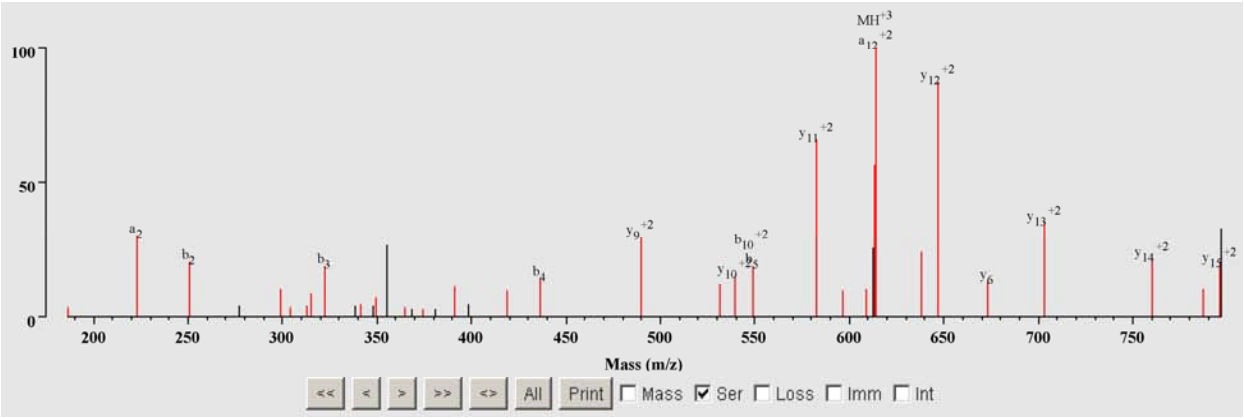
223.1159	**225.0639**	**227.0987**	**255.0946**	**269.1666**	**273.1451**	**277.1464**	**279.1572**	**289.1722**	**295.1637**
a_2(37)			y_2-NH_3(-198)		NW-28(38)	EF(101)			
297.1180	**301.1297**	**317.1639**	**332.1463**	**340.1345**	**351.1339**	**363.1574**	**379.1552**	**397.1571**	**419.2375**
	NW(0.61)								y_3(-6.3) WFL-28(-16)
422.1822	**425.2211**	**435.1490**	**438.3450**	**440.2949**	**441.2426**	**442.2451**	**448.1937**	**458.2875**	**459.2645**
							NWF(-9.4)		
468.7743	**476.3264**	**477.3224**	**494.2862**	**548.2837**	**561.7969**	**618.8240**	**676.3412**	**789.4619**	**936.5152**
y_7^{+2}(12)				y_4(1.8)	y_8^{+2}(-20)	y_9^{+2}(-9.4)	y_5(-54) WFLKE-28(-60)	y_6(0.19)	y_7(-16)

[–] **Main Sequence Ions**

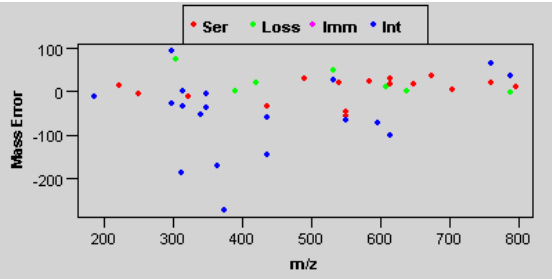
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1399.7157	700.3615
365.1456	---	3	**N**	9	1236.6524	618.8298
551.2249	---	4	**W**	8	1122.6095	561.8084
698.2933	---	5	**F**	7	936.5302	468.7687
811.3774	---	6	**L**	6	789.4618	395.2345
939.4723	470.2398	7	**K**	5	676.3777	338.6925
1068.5149	534.7611	8	**E**	4	548.2827	274.6450
1215.5833	608.2953	9	**F**	3	419.2401	210.1237
1312.6361	656.8217	10	**P**	2	272.1717	136.5895
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYANLQSVPHASASRPR^{+3}



Max Intensity: **3.86**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **86.5%** Matched Series Intensity: **84.3%**



Sequence SYANLQSVPHASASRPR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C78 H126 N27 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1842.0367	1840.9413	921.5220	920.9743	614.6838	614.3186

[–] Peak Matches

186.0853	223.1110	251.1012	277.1438	299.1631	304.1524	313.1400	315.1666	322.1361	338.1324
AN(-11)	a_2(15)	b_2(-5.7)		ASAS-H_2O(94) ANL(-28)	b_3-H_2O(76)	SRP-28(-186)	QSV(0.96) ASR(-35)	b_3(-11)	
341.1746	**348.1348**	**349.1492**	**355.0778**	**365.1306**	**368.2081**	**374.1126**	**381.1499**	**391.1620**	**398.1625**
SRP(-54)		YAN(-4.1) HASA-H_2O(-36)		PHAS-28(-171)		SASR-28(-273)		a_4-NH_3(2.0)	
419.1644	**436.1676**	**489.7790**	**531.2816**	**539.3097**	**549.2421**	**582.8301**	**596.2605**	**608.6501**	**612.2609**
b_4-NH_3(20)	b_4(-35) HASAS-H_2O(-60) PHASA-28(-144)	y_9^{+2}(29)	b_5-H_2O(48) QSVPH-H_2O(27)	y_{10}^{+2}(19)	b_5(-45) b_{10}^{+2}(-55) QSVPH(-65)	y_{11}^{+2}(25)	ANLQSV-NH_3(-73)	MH-NH_3^{+3}(12)	
613.2684	**614.3283**	**638.3327**	**646.8552**	**673.3978**	**703.3906**	**760.4242**	**787.4129**	**795.9351**	**796.4372**
ANLQSV(-101)	a_{12}^{+2}(31) MH^{+3}(16)	y_{12}-NH_3^{+2}(2.2)	y_{12}^{+2}(16)	y_6(35)	y_{13}^{+2}(5.7)	QSVPHASA-H_2O(66) y_{14}^{+2}(21)	PHASASRP-NH_3(36) y_{15}-NH_3^{+2}(-0.53)	y_{15}^{+2}(11)	

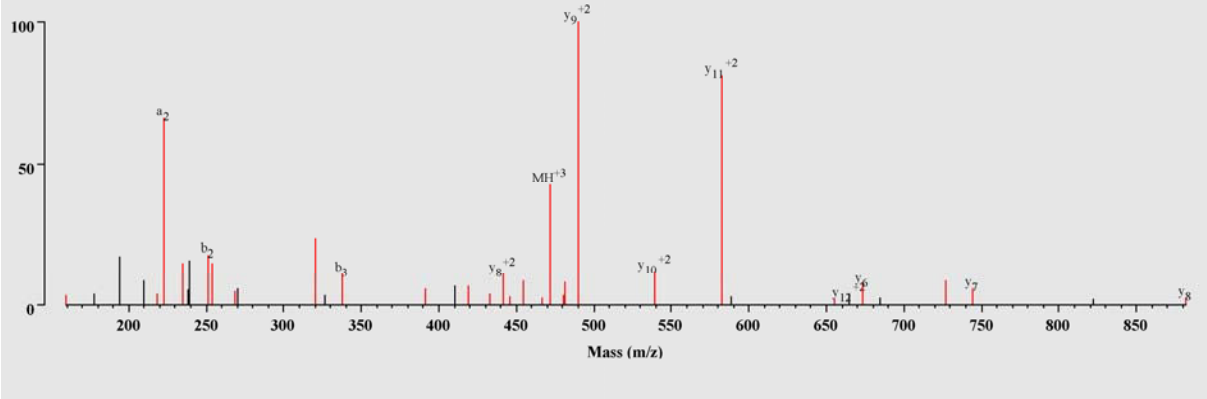
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1753.9092	877.4583
322.1397	---	3	A	15	1590.8459	795.9266
436.1827	---	4	N	14	1519.8088	760.4080
549.2667	---	5	L	13	1405.7659	703.3866
677.3253	---	6	Q	12	1292.6818	646.8445
764.3573	---	7	S	11	1164.6232	582.8153
863.4258	---	8	V	10	1077.5912	539.2992
960.4785	---	9	P	9	978.5228	489.7650
1097.5374	549.2724	10	H	8	881.4700	441.2386
1168.5745	584.7909	11	A	7	744.4111	372.7092
1255.6066	628.3069	12	S	6	673.3740	337.1906
1326.6437	663.8255	13	A	5	586.3420	293.6746
1413.6757	707.3415	14	S	4	515.3049	258.1561
1569.7768	785.3921	15	R	3	428.2728	214.6401
1666.8296	833.9184	16	P	2	272.1717	136.5895

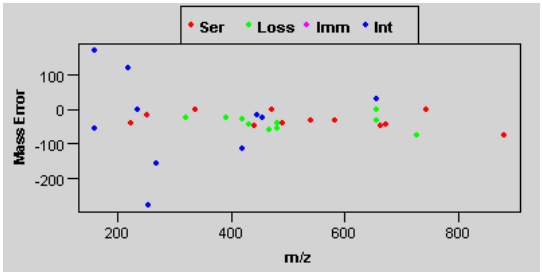
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVPHASASRPR^{+3}



Max Intensity: **9.79**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **85.7%** Matched Series Intensity: **84.4%**



Sequence: SYSVPHASASRPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H96 N21 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1415.5609	1414.7186	708.2841	707.8629	472.5252	472.2444

[–] Peak Matches

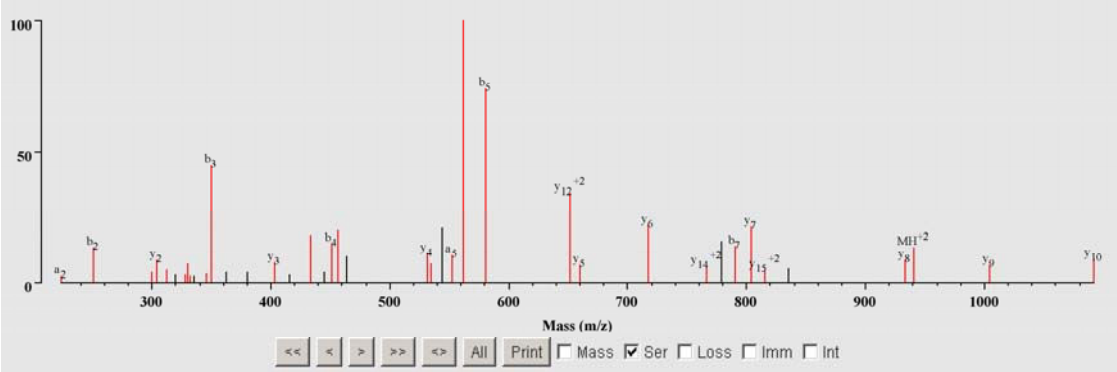
159.1037	178.0851	194.1109	210.0912	218.1394	223.0985	235.1189	238.1060	239.0591	251.0989
SA(171) AS(171) SV-28(-57)				SAS-28(119)	YS-28(-41) a_2(-41)	PH(-0.22)			YS(-15) b_2(-15)
254.0906	**268.0984**	**270.1073**	**320.1167**	**326.0841**	**338.1339**	**391.1878**	**410.1700**	**419.1814**	**432.7067**
RP(-278)	HAS-28(-157)		b_3-H_2O(-23)		b_3(-2.4)	a_4-H_2O(-25)		b_4-H_2O(-27) YSVP-28(-113)	y_8-NH_3^{+2}(-43)
441.2172	**446.2070**	**454.1928**	**466.2135**	**472.2446**	**480.7330**	**481.2332**	**489.7451**	**539.2825**	**582.7953**
y_8^{+2}(-49)	PHASA-H_2O(-17)	HASAS(-26)	MH-H_2O^{+3}(-59)	MH^{+3}(0.47)	y_9-H_2O^{+2}(-56)	SASRP-H_2O(-39) y_9-NH_3^{+2}(-39)	y_9^{+2}(-41)	y_{10}^{+2}(-31)	y_{11}^{+2}(-34)
588.3008	**655.3410**	**664.3162**	**664.8237**	**673.3450**	**684.2606**	**727.3295**	**744.4117**	**822.4021**	**881.4060**
	YSVPHA(32) y_{12}-H_2O^{+2}(-0.97) y_6-H_2O(-34)	y_{12}^{+2}(-46)		y_6(-43)		y_7-NH_3(-76)	y_7(0.79)		y_8(-73)

[–] Main Sequence Ions

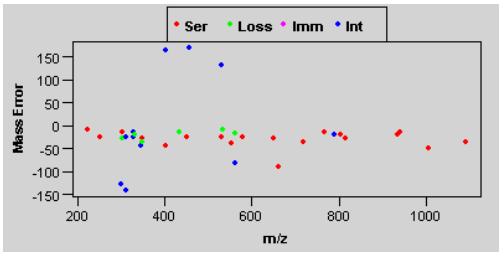
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1327.6866	664.3469
338.1347	---	3	S	11	1164.6232	582.8153
437.2031	---	4	V	10	1077.5912	539.2992
534.2558	---	5	P	9	978.5228	489.7650
671.3148	336.1610	6	H	8	881.4700	441.2386
742.3519	371.6796	7	A	7	744.4111	372.7092
829.3839	415.1956	8	S	6	673.3740	337.1906
900.4210	450.7141	9	A	5	586.3420	293.6746
987.4530	494.2302	10	S	4	515.3049	258.1561
1143.5541	572.2807	11	R	3	428.2728	214.6401
1240.6069	620.8071	12	P	2	272.1717	136.5895
---	---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVTEPISAESGEQVER^{+2}



Max Intensity: **11.5**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **87.4%** Matched Series Intensity: **87.1%**



Sequence: SYVTEPISAESGEQVER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C79 H126 N21 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1882.0030	1880.8872	941.5052	940.9473

[–] **Peak Matches**

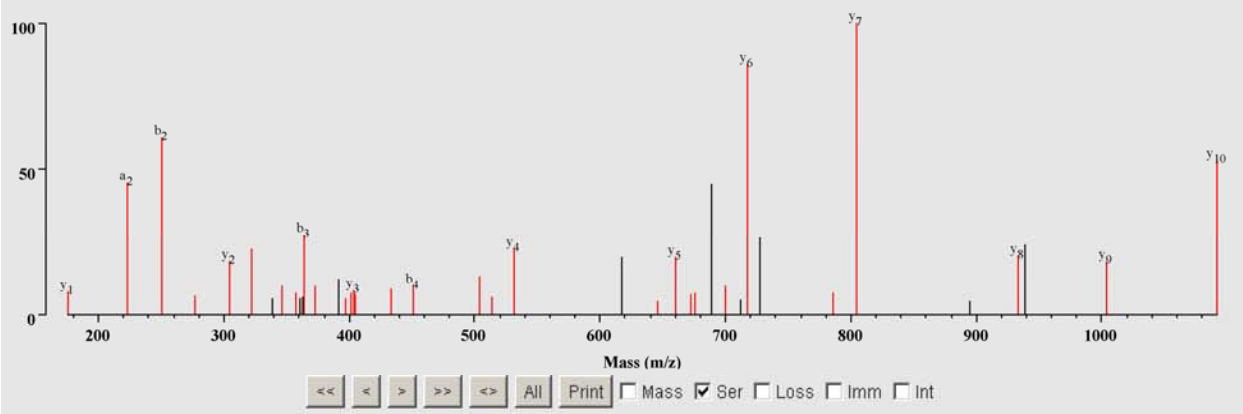
223.1054	251.0967	300.1167	304.1574	312.1475	320.1211	328.1454	330.1580	332.1543	335.1124
a_2(-10)	b_2(-24)	TEP-28(-129)	y_2(-14) a_3-H_2O(-27)	VTE-H_2O(-25) EPI-28(-142)		TEP(-15)	VTE(-24)	b_3-H_2O(-19)	
346.1614	**350.1616**	**362.1236**	**380.1527**	**403.2117**	**415.1781**	**433.2015**	**445.1483**	**451.2077**	**456.2502**
YVT-H_2O(-43)	b_3(-27) y_6-H_2O^{+2}(-37)			ESGE(163) y_3(-45)		b_4-H_2O(-15)		b_4(-24)	AESGE-H_2O(170)
463.1765	**531.2750**	**534.2506**	**544.2248**	**552.2452**	**562.2416**	**580.2462**	**651.3019**	**660.2726**	**717.3258**
	ESGEQ(133) y_4(-25)	a_5-H_2O(-9.8)		a_5(-38)	b_5-H_2O(-16) YVTEP-28(-81)	b_5(-26)	y_{12}^{+2}(-28)	y_5(-89)	y_6(-37)
766.3542	**778.3978**	**790.3826**	**804.3689**	**815.8778**	**835.4351**	**933.4084**	**940.9334**	**1004.4130**	**1091.4560**
y_{14}^{+2}(-15)		b_7(-20) YVTEPIS(-20)	y_7(-20)	y_{15}^{+2}(-27)		y_8(-20)	MH^{+2}(-15)	y_9(-51)	y_{10}(-37)

[–] **Main Sequence Ions**

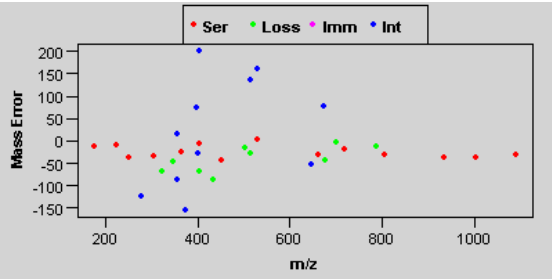
b			y	y^{+2}
---	1	**S** 17	---	---
251.1026	2	**Y** 16	1793.8552	897.4312
350.1710	3	**V** 15	1630.7919	815.8996
451.2187	4	**T** 14	1531.7235	766.3654
580.2613	5	**E** 13	1430.6758	715.8415
677.3141	6	**P** 12	1301.6332	651.3202
790.3981	7	**I** 11	1204.5804	602.7938
877.4302	8	**S** 10	1091.4964	546.2518
948.4673	9	**A** 9	1004.4643	502.7358
1077.5099	10	**E** 8	933.4272	467.2172
1164.5419	11	**S** 7	804.3846	402.6959
1221.5634	12	**G** 6	717.3526	359.1799
1350.6060	13	**E** 5	660.3311	330.6692
1478.6645	14	**Q** 4	531.2885	266.1479
1577.7330	15	**V** 3	403.2300	202.1186
1706.7756	16	**E** 2	304.1615	152.5844
---	17	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYISAESGEQVER^{+2}



Max Intensity: **4.32**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **80.6%** Matched Series Intensity: **80.6%**



Sequence: SYISAESGEQVER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H96 N17 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1455.5302	1454.6758	728.2688	727.8415

[–] Peak Matches

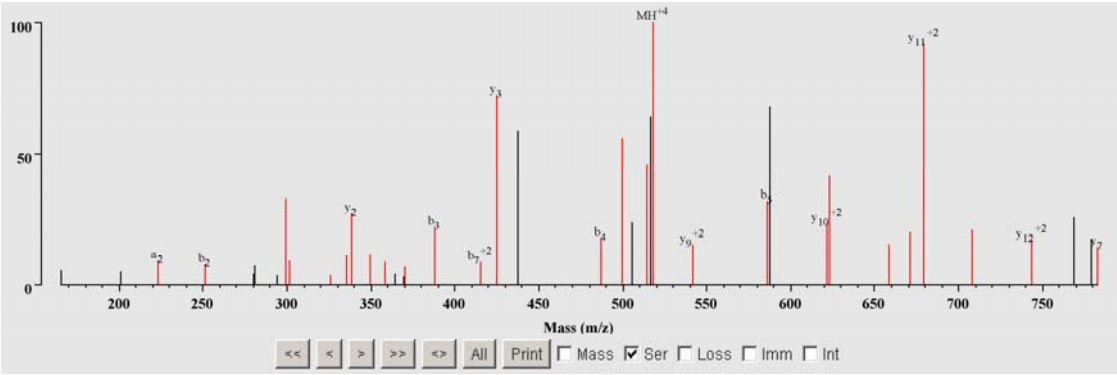
175.1168	223.1054	251.0937	277.1202	304.1508	322.1344	338.1306	346.1596	357.1462	360.1522
y_1(-12)	a_2(-10)	b_2(-36)	YI(-124)	y_2(-35)	y_5-NH_3^{+2}(-67)		YIS-H_2O(-48) b_3-H_2O(-48)	SAES-H_2O(16) EQV(-86) QVE(-86)	
363.1474	**364.1781**	**373.1503**	**391.1433**	**397.2017**	**401.1920**	**403.2269**	**405.1851**	**433.1700**	**451.1997**
	YIS(-24) b_3(-24)	ISAE-28(-155)		GEQV-NH_3(75)	ISAE(-28)	ESGE(201) y_3(-7.6)	a_4-H_2O(-69)	b_4-H_2O(-88)	b_4(-42)
504.2372	**514.2483**	**531.2903**	**617.3560**	**646.2704**	**660.3115**	**672.2979**	**675.2904**	**688.3821**	**700.3238**
b_5-H_2O(-16)	ESGEQ-NH_3(137) y_4-NH_3(-27)	ESGEQ(161) y_4(3.3)		ISAESGE-28(-52)	y_5(-30)	SAESGEQ-NH_3(76)	y_{12}-H_2O^{+2}(-44)		y_6-NH_3(-3.2)
712.2849	**717.3385**	**727.3130**	**786.3642**	**804.3598**	**894.3643**	**933.3939**	**938.4643**	**1004.4280**	**1091.4623**
	y_6(-20)		y_7-H_2O(-13)	y_7(-31)		y_8(-36)		y_9(-36)	y_{10}(-31)

[–] Main Sequence Ions

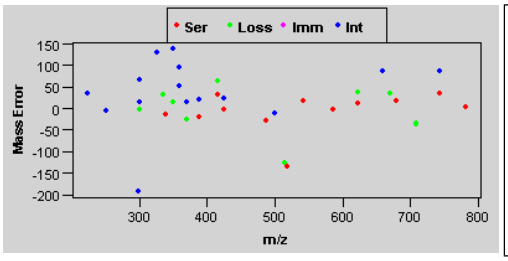
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1367.6437	684.3255
364.1867	3	I	11	1204.5804	602.7938
451.2187	4	S	10	1091.4964	546.2518
522.2558	5	A	9	1004.4643	502.7358
651.2984	6	E	8	933.4272	467.2172
738.3305	7	S	7	804.3846	402.6959
795.3519	8	G	6	717.3526	359.1799
924.3945	9	E	5	660.3311	330.6692
1052.4531	10	Q	4	531.2885	266.1479
1151.5215	11	V	3	403.2300	202.1186
1280.5641	12	E	2	304.1615	152.5844
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHVVQDC(Carbamidomethyl)YHGDGQSYR^{+4}



Max Intensity: **6.78**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **72.0%** Matched Series Intensity: **67.8%**



Sequence: SYHVVQDC(Carbamidomethyl)YHGDGQSYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C88 H124 N27 O30 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2072.0277	2070.8723	1036.5176	1035.9398	691.3475	690.9623	518.7625	518.4735

[–] **Peak Matches**

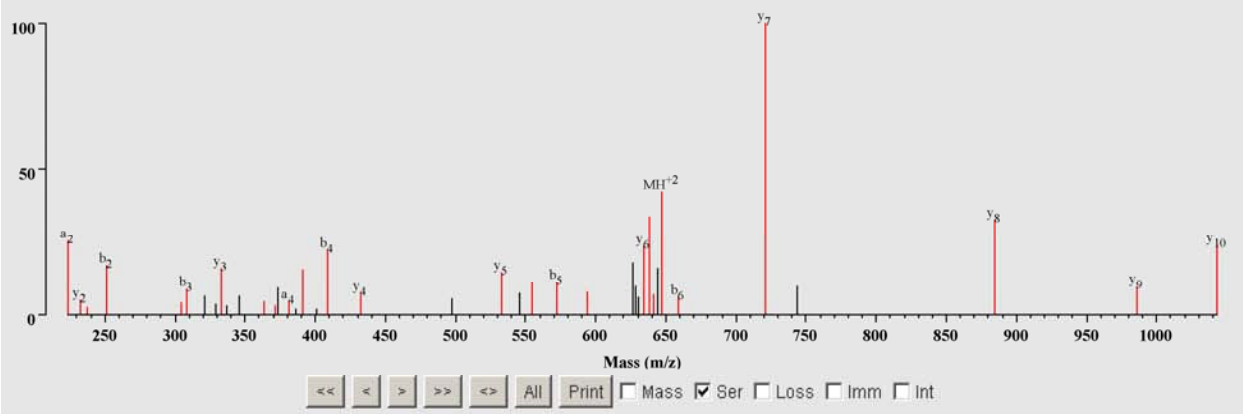
165.0732	201.1119	223.1153	251.1012	280.1692	281.0527	294.1647	299.1500	301.1342	326.1766
		a_2(34) SY-28(34)	b_2(-5.7) SY(-5.7)				VVQ-28(-193)	DGQ(66) YH(16) y_8-H_2O^{+3}(-3.4)	VQD-NH_3(129)
335.1817	**338.1776**	**349.1740**	**358.1701**	**364.1185**	**369.1368**	**370.1409**	**388.1539**	**415.2089**	**425.2128**
a_6-NH_3^{+2}(31)	y_2(-14)	HGDG-H_2O(139) b_6-NH_3^{+2}(15)	GDGQ(96) YHG(53)			DGQS-H_2O(14) b_3-H_2O(-27)	DGQS(20) b_3(-20)	a_{10}-H_2O^{+3}(65) b_7^{+2}(32)	VVQD-NH_3(23) y_3(-3.5)
437.2297	**487.2163**	**499.2609**	**505.7517**	**514.1518**	**516.3054**	**518.4029**	**541.7457**	**586.2971**	**587.2830**
	b_4(-28)	YHVV(-11)		MH-NH_3^{+4}(-127)		MH^{+4}(-136)	y_9^{+2}(18)	b_5(-2.2)	
621.7593	**622.7852**	**658.3162**	**670.7744**	**679.2772**	**708.2690**	**743.3209**	**768.3323**	**779.3039**	**782.3455**
y_{10}^{+2}(13)	a_{10}-NH_3^{+2}(38)	YHGDGQ(88)	y_{11}-NH_3^{+2}(34)	y_{11}^{+2}(18)	a_{12}-H_2O^{+2}(-35) y_6-NH_3(-36)	QDC(Carbamidomethyl)YHG-H_2O(87) y_{12}^{+2}(36)			y_7(3.5)

[–] **Main Sequence Ions**

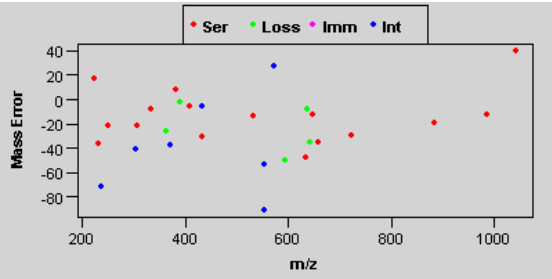
b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1983.8402	992.4238
388.1615	194.5844	3	H	15	1820.7769	910.8921
487.2300	244.1186	4	V	14	1683.7180	842.3626
586.2984	293.6528	5	V	13	1584.6496	792.8284
714.3570	357.6821	6	Q	12	1485.5812	743.2942
829.3839	415.1956	7	D	11	1357.5226	679.2649
989.4145	495.2109	8	C(Carbamidomethyl)	10	1242.4956	621.7515
1152.4779	576.7426	9	Y	9	1082.4650	541.7361
1289.5368	645.2720	10	H	8	919.4017	460.2045
1346.5582	673.7828	11	G	7	782.3428	391.6750
1461.5852	731.2962	12	D	6	725.3213	363.1643
1518.6067	759.8070	13	G	5	610.2944	305.6508
1646.6652	823.8363	14	Q	4	553.2729	277.1401
1733.6973	867.3523	15	S	3	425.2143	213.1108
1896.7606	948.8839	16	Y	2	338.1823	169.5948
---	---	17	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTYSTTVTGR^{+2}



Max Intensity: **2.90**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **81.4%** Matched Series Intensity: **78.5%**



Sequence: SYGTYSTTVTGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H86 N15 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1293.3840	1292.6117	647.1957	646.8095

[–] Peak Matches

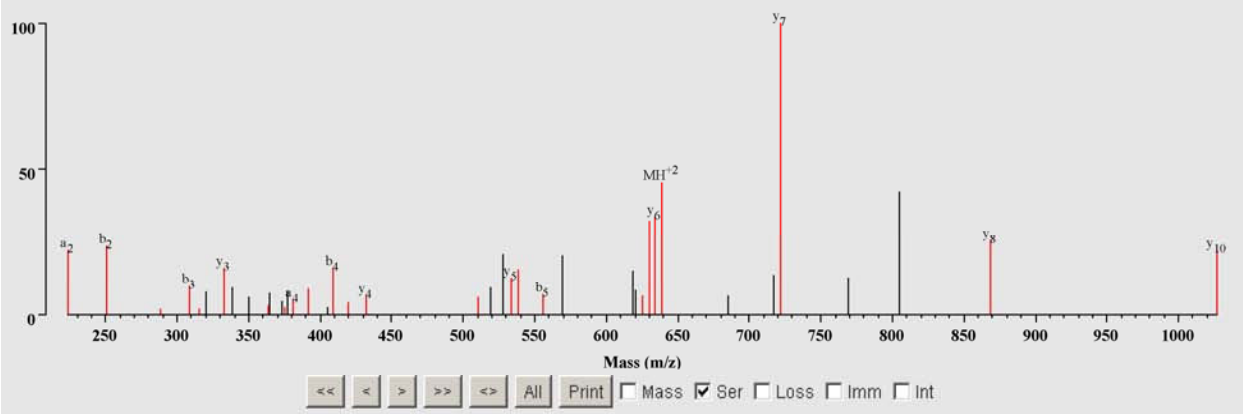
223.1116	232.1320	237.1062	251.0973	304.1166	308.1176	321.1215	329.2356	333.1854	337.1380
YS-28(17) a_2(17)	y_2(-36)	TY-28(-72)	YS(-21) b_2(-21)	GTY-H_2O(-41) YGT-H_2O(-41)	b_3(-21)			y_3(-8.1)	
346.1301	**363.1568**	**371.1786**	**373.1269**	**381.1798**	**386.1856**	**391.1604**	**401.2397**	**409.1695**	**432.2429**
	a_4-H_2O(-26)	STTV-H_2O(-37)		GTYS-28(7.7) a_4(7.7)		GTYS-H_2O(-2.1) b_4-H_2O(-2.1)		GTYS(-5.6) b_4(-5.6)	TTVTG-28(-5.5) y_4(-31)
497.7355	**533.2972**	**545.2366**	**554.1954**	**572.2506**	**594.2582**	**626.3107**	**628.7980**	**630.8147**	**634.3213**
	y_5(-13)		b_5-H_2O(-53) YGTYS-H_2O(-53) TYSTT(-91)	b_5(27) YGTYS(27)	y_{11}-H_2O^{+2}(-50)				y_6(-48)
637.7994	**641.2342**	**644.3130**	**646.8020**	**659.2440**	**721.3619**	**743.3850**	**884.4302**	**985.4835**	**1042.5580**
MH-H_2O^{+2}(-7.6)	b_6-H_2O(-35)		MH^{+2}(-12)	b_6(-35)	y_7(-30)		y_8(-19)	y_9(-12)	y_{10}(40)

[–] Main Sequence Ions

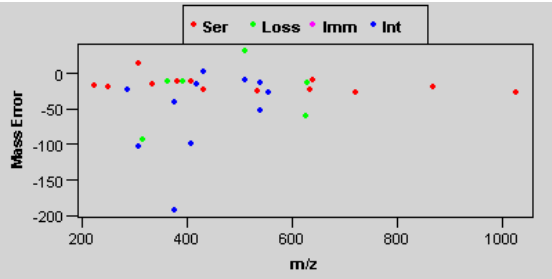
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1205.5797	603.2935
308.1241	3	G	10	1042.5164	521.7618
409.1718	4	T	9	985.4949	493.2511
572.2351	5	Y	8	884.4472	442.7272
659.2671	6	S	7	721.3839	361.1956
760.3148	7	T	6	634.3519	317.6796
861.3625	8	T	5	533.3042	267.1557
960.4309	9	V	4	432.2565	216.6319
1061.4786	10	T	3	333.1881	167.0977
1118.5000	11	G	2	232.1404	116.5738
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTFSTTVTGR^{+2}



Max Intensity: **14.7**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **68.8%** Matched Series Intensity: **64.4%**



Sequence: SYGTFSTTVTGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H86 N15 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1277.3846	1276.6168	639.1960	638.8120

[–] Peak Matches

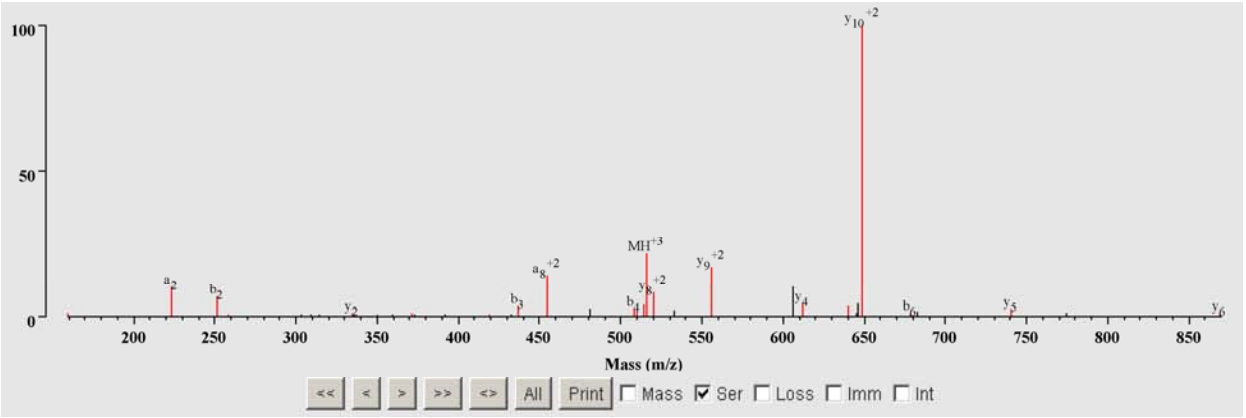
223.1040	251.0982	288.1278	308.1287	315.1481	320.1177	333.1832	338.1219	350.1616	363.1619
a_2(-17)	b_2(-18)	GTF-H_2O(-22)	b_3(15) TFS-28(-103) FST-28(-103)	y_3-H_2O(-93)		y_3(-15)			a_4-H_2O(-12)
364.1383	**373.1375**	**375.1514**	**377.1909**	**381.1721**	**391.1564**	**405.1832**	**409.1673**	**419.1857**	**432.2466**
		GTFS-H_2O(-40) TTVT-28(-193)		a_4(-12)	b_4-H_2O(-12)		b_4(-11) FSTT-28(-100) TFST-28(-100)	TFST-H_2O(-16) FSTT-H_2O(-16)	TTVTG-28(3.1) y_4(-23)
510.2509	**518.7743**	**527.7662**	**533.2906**	**538.2222**	**556.2250**	**569.3245**	**618.3230**	**620.7991**	**625.2241**
a_5-H_2O(32) TFSTT-28(-9.7)			y_5(-25)	b_5-H_2O(-14) YGTFS-H_2O(-14) TFSTT(-53)	b_5(-27) YGTFS(-27)				b_6-H_2O(-60)
629.7978	**634.3382**	**638.8063**	**685.3408**	**717.3968**	**721.3648**	**769.4215**	**804.4256**	**868.4366**	**1026.4942**
MH-H_2O^{+2}(-14)	y_6(-22)	MH^{+2}(-9.0)			y_7(-26)			y_8(-18)	y_{10}(-27)

[–] Main Sequence Ions

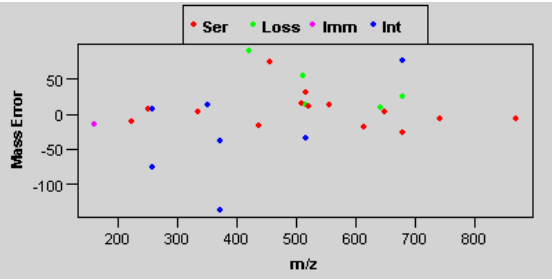
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1189.5848	595.2960
308.1241	3	G	1026.5214	513.7644
409.1718	4	T	969.5000	485.2536
556.2402	5	F	868.4523	434.7298
643.2722	6	S	721.3839	361.1956
744.3199	7	T	634.3519	317.6796
845.3676	8	T	533.3042	267.1557
944.4360	9	V	432.2565	216.6319
1045.4837	10	T	333.1881	167.0977
1102.5051	11	G	232.1404	116.5738
---	12	R	175.1190	88.0631

[+] All Sequence Ions
[+] Internal Ions
[+] Theoretical Peak Table

SYWAGLEKNYC(Carbamidomethyl)R^{+3}



Max Intensity: **53.3**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **87.1%** Matched Series Intensity: **85.6%**



Sequence: SYWAGLEKNYC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H100 N19 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1547.5778	1546.7107	774.2926	773.8590	516.5309	516.2418

[–] Peak Matches

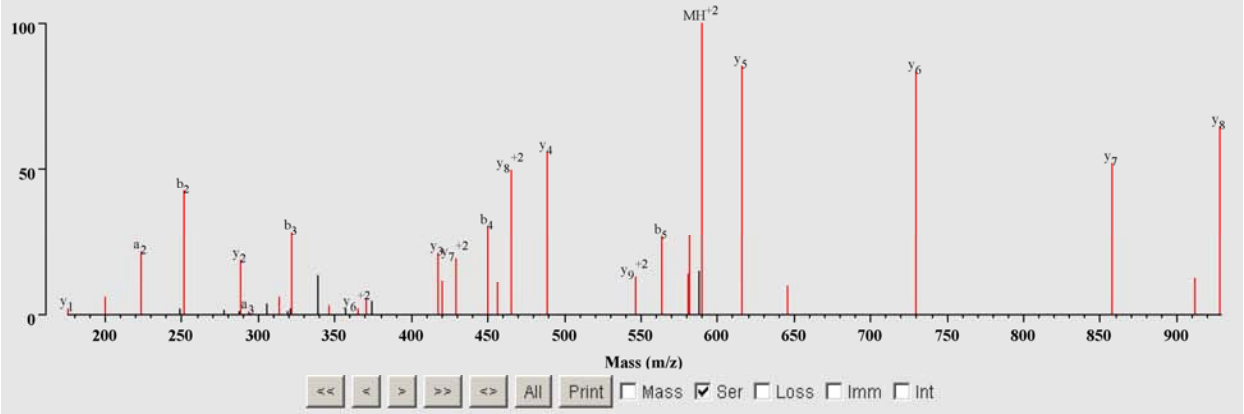
159.0893	178.0916	223.1054	251.1042	258.1255	303.2089	309.1347	314.1474	335.1505	350.1545
W(-15)		a_2(-10)	b_2(6.2)	WA(7.0) EK(-75)				y_2(2.7)	YW(13)
359.1829	**371.1782**	**373.1996**	**377.1946**	**379.1881**	**392.1660**	**404.2026**	**419.2090**	**432.2623**	**437.1743**
	AGLE(-39) LEK(-137)						b_3-H_2O(90)		b_3(-17)
454.2710	**480.7757**	**508.2260**	**510.2659**	**514.2805**	**516.2572**	**520.2586**	**533.2971**	**555.7786**	**605.8325**
a_8^{+2}(74)		b_4(14)	MH-H_2O^{+3}(54)	GLEKN-28(-35)	MH^{+3}(30) b_9-H_2O^{+2}(12)	y_8^{+2}(11)		y_9^{+2}(12)	
612.2445	**640.3047**	**645.4044**	**646.3784**	**648.8138**	**678.3069**	**682.8825**	**740.3459**	**774.4180**	**869.3881**
y_4(-19)	y_{10}-NH_3^{+2}(10)			y_{10}^{+2}(3.8)	EKNYC(Carbamidomethyl)-NH_3(76) b_{11}-NH_3^{+2}(25) b_6(-26)		y_5(-6.6)		y_6(-6.1)

[–] Main Sequence Ions

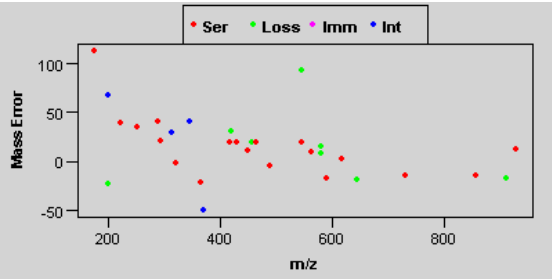
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1459.6787	730.3430
437.1819	---	3	W	10	1296.6154	648.8113
508.2191	---	4	A	9	1110.5361	555.7717
565.2405	---	5	G	8	1039.4989	520.2531
678.3246	---	6	L	7	982.4775	491.7424
807.3672	---	7	E	6	869.3934	435.2003
935.4621	468.2347	8	K	5	740.3508	370.6790
1049.5051	525.2562	9	N	4	612.2559	306.6316
1212.5684	606.7878	10	Y	3	498.2129	249.6101
1372.5990	686.8032	11	C(Carbamidomethyl)	2	335.1496	168.0784
---	---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAQLQAELR^{+2}



Max Intensity: **5.92**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **89.9%** Matched Series Intensity: **88.0%**



Sequence: SYAQLQAELR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H84 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1179.3261	1178.6164	590.1668	589.8118

[–] **Peak Matches**

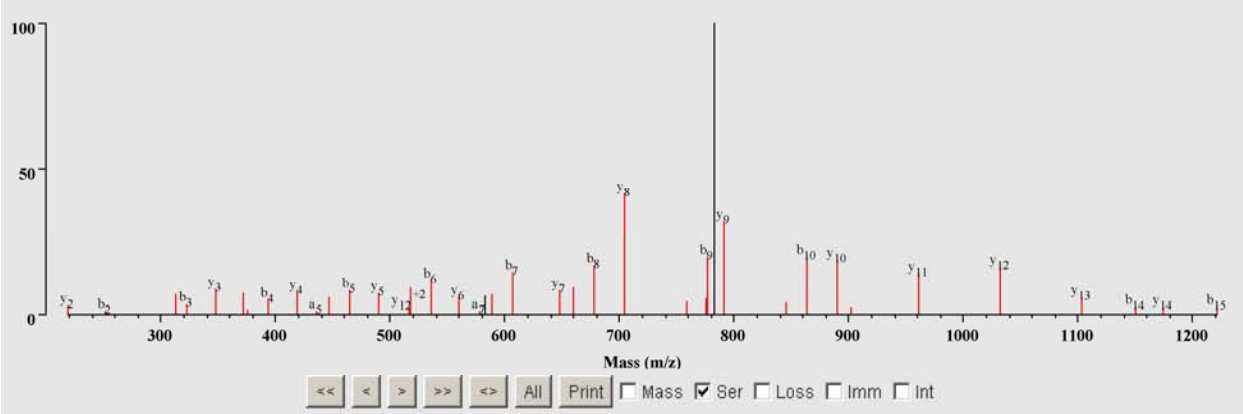
175.1388	200.1165	223.1165	249.0955	251.1115	277.1347	287.1088	288.2148	294.1510	305.1594
y_1(113)	QA(68) AQ(68) y_3-H_2O^{+2}(-23)	a_2(39)		b_2(35)			y_2(41)	a_3(21)	
313.1965	**319.0689**	**321.1482**	**322.1394**	**339.1764**	**346.1539**	**357.0653**	**365.2085**	**370.1899**	**374.2139**
LQA(30) AQL(30)			b_3(-1.1)		YAQ-NH_3(41)		y_6^{+2}(-21)	QLQ(-50)	
417.2534	**420.2532**	**429.2543**	**450.2032**	**456.2595**	**464.7729**	**488.2807**	**546.3068**	**563.2875**	**580.8154**
y_3(19)	y_7-H_2O^{+2}(31)	y_7^{+2}(20)	b_4(11)	y_8-NH_3^{+2}(19)	y_8^{+2}(19)	y_4(-4.1)	b_5-NH_3(93) y_9^{+2}(20)	b_5(9.1)	MH-H_2O^{+2}(15)
581.3036	**588.2928**	**589.2871**	**589.8020**	**616.3432**	**645.3233**	**729.4152**	**857.4716**	**911.4786**	**928.5336**
MH-NH_3^{+2}(8.7)			MH^{+2}(-17)	y_5(3.1)	a_6-H_2O(-19)	y_6(-14)	y_7(-14)	y_8-NH_3(-17)	y_8(13)

[–] **Main Sequence Ions**

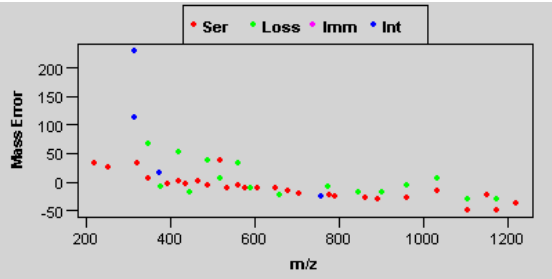
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	1091.5844	546.2958
322.1397	3	A 8	928.5211	464.7642
450.1983	4	Q 7	857.4839	429.2456
563.2824	5	L 6	729.4254	365.2163
691.3410	6	Q 5	616.3413	308.6743
762.3781	7	A 4	488.2827	244.6450
891.4207	8	E 3	417.2456	209.1264
1004.5047	9	L 2	288.2030	144.6051
---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAAAAAVSGSAAAEAK^{+2}



Max Intensity: **106**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **76.4%** Matched Series Intensity: **76.2%**



Sequence SYAAAAAAVSGSAAAEAK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H108 N19 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1567.7060	1566.7758	784.3567	783.8916

[–] Peak Matches

218.1573	251.1088	313.2226	322.1501	347.1948	372.2305	375.1630	393.1758	418.2305	436.2170
y_2(34)	b_2(25)	VSGS-H_2O(230) AAAV(114)	b_3(32)	a_4-H_2O(67) y_3(6.6)	AAAVS-28(17)	b_4-H_2O(-8.8)	b_4(-2.7)	a_5-H_2O(53) y_4(2.1)	a_5(-4.7)
446.1953	**464.2144**	**489.2635**	**516.7891**	**517.2431**	**535.2456**	**560.3005**	**578.2866**	**582.3444**	**588.2719**
b_5-H_2O(-18)	b_5(0.92)	a_6-H_2O(37) y_5(-6.6)	y_{12}^{+2}(38)	b_6-H_2O(5.0)	b_6(-10)	a_7-H_2O(32) y_6(-6.0)	a_7(-12)		b_7-H_2O(-9.8)
606.2808	**647.3295**	**659.3001**	**677.3151**	**704.3433**	**758.3641**	**774.8790**	**776.3760**	**782.4604**	**791.3694**
b_7(-12)	y_7(-9.9)	b_8-H_2O(-22)	b_8(-15)	y_8(-20)	b_9-H_2O(-25) YAAAAAAVS-H_2O(-25)	MH-H_2O^{+2}(-9.4)	YAAAAAAVS(-23) b_9(-23)		y_9(-25)
845.4005	**863.4023**	**890.4301**	**902.4208**	**961.4690**	**1032.5166**	**1103.5142**	**1149.5258**	**1174.5488**	**1220.5450**
b_{10}-H_2O(-17)	b_{10}(-27)	y_{10}(-31)	YAAAAAAVSGS-H_2O(-18) b_{11}-H_2O(-18)	a_{12}-H_2O(-5.0) y_{11}(-27)	a_{13}-H_2O(5.5) y_{12}(-15)	a_{14}-H_2O(-31) y_{13}(-50)	b_{14}(-24)	a_{15}-H_2O(-31) y_{14}(-49)	b_{15}(-37)

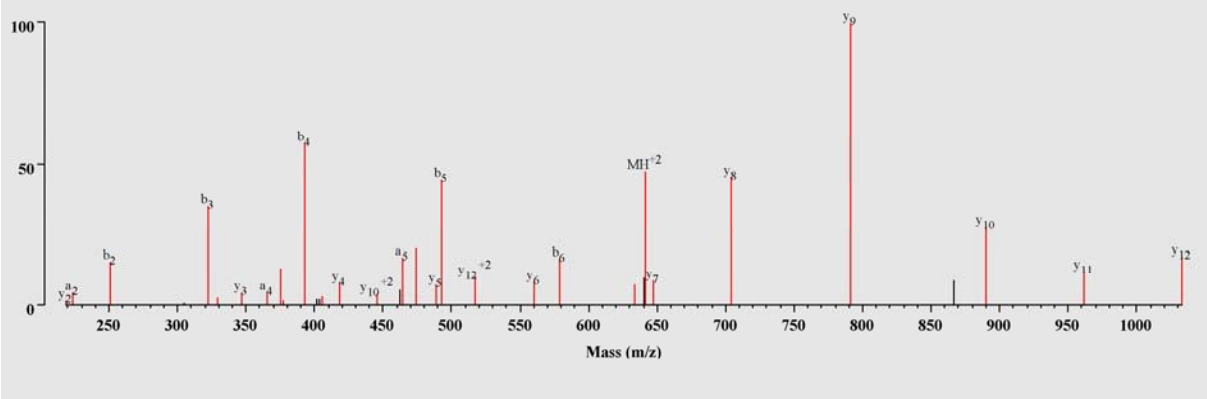
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1479.7438	740.3755
322.1397	3	A	16	1316.6805	658.8439
393.1769	4	A	15	1245.6434	623.3253
464.2140	5	A	14	1174.6062	587.8068
535.2511	6	A	13	1103.5691	552.2882
606.2882	7	A	12	1032.5320	516.7696
677.3253	8	A	11	961.4949	481.2511
776.3937	9	V	10	890.4578	445.7325
863.4258	10	S	9	791.3894	396.1983
920.4472	11	G	8	704.3573	352.6823
1007.4793	12	S	7	647.3359	324.1716
1078.5164	13	A	6	560.3039	280.6556
1149.5535	14	A	5	489.2667	245.1370
1220.5906	15	A	4	418.2296	209.6185
1349.6332	16	E	3	347.1925	174.0999
1420.6703	17	A	2	218.1499	109.5786

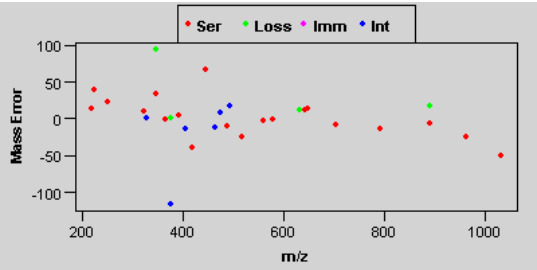
--- 18 **K** 1 147.1128 74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAVSGSAAAEAK^{+2}



Max Intensity: **3.11**
Num Matched: **28/34 (17.6% unmatched)** Matched Intensity: **95.0%** Matched Series Intensity: **94.5%**



Sequence SYAAVSGSAAAEAK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C54 H88 N15 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1283.3888	1282.6274	642.1981	641.8173

[–] **Peak Matches**

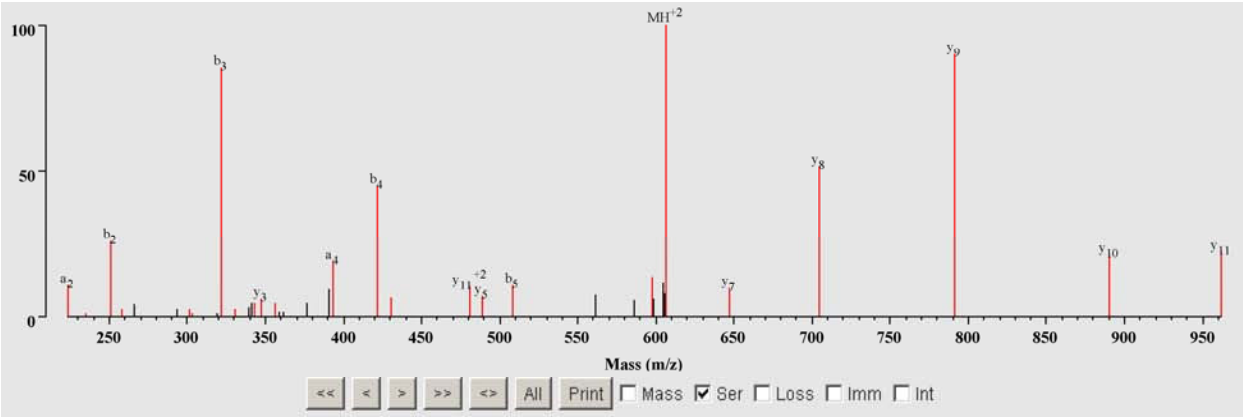
218.1530	223.1165	251.1085	305.1065	322.1428	329.1823	347.2041	365.1814	375.1665	377.1745
y_2(14)	a_2(39)	b_2(23)		b_3(9.5)	y_3-H_2O(1.1) AAVS(1.1)	a_4-H_2O(94) y_3(33)	a_4(-1.5)	b_4-H_2O(0.54)	YAAV-28(-116)
393.1783	**401.7951**	**403.1925**	**405.2074**	**418.2128**	**445.7625**	**462.1752**	**464.2446**	**474.2383**	**489.2620**
b_4(3.7)			YAAV(-14)	y_4(-40)	y_{10}^{+2}(67)		a_5(-12) YAAVS-28(-12)	b_5-H_2O(7.6) YAAVS-H_2O(7.6)	y_5(-9.7)
492.2537	**516.7565**	**560.3019**	**579.2769**	**633.3112**	**640.3349**	**641.8253**	**647.3443**	**704.3511**	**791.3787**
b_5(17) YAAVS(17)	y_{12}^{+2}(-25)	y_6(-3.5)	b_6(-0.70)	MH-NH_3^{+2}(11)		MH^{+2}(12)	y_7(13)	y_8(-8.9)	y_9(-13)
866.3234	**890.4527**	**961.4719**	**1032.4800**						
	a_{11}-H_2O(18) y_{10}(-5.7)	y_{11}(-24)	y_{12}(-50)						

[–] **Main Sequence Ions**

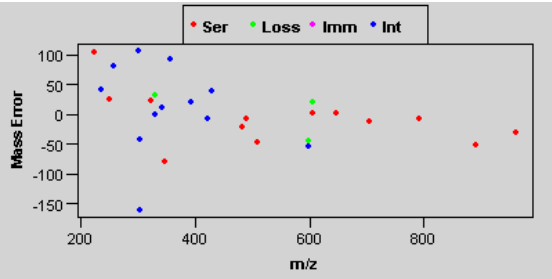
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1195.5953	598.3013
322.1397	3	A	12	1032.5320	516.7696
393.1769	4	A	11	961.4949	481.2511
492.2453	5	V	10	890.4578	445.7325
579.2773	6	S	9	791.3894	396.1983
636.2988	7	G	8	704.3573	352.6823
723.3308	8	S	7	647.3359	324.1716
794.3679	9	A	6	560.3039	280.6556
865.4050	10	A	5	489.2667	245.1370
936.4421	11	A	4	418.2296	209.6185
1065.4847	12	E	3	347.1925	174.0999
1136.5218	13	A	2	218.1499	109.5786
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVSGSAAAEAK^{+2}



Max Intensity: **1.94**
Num Matched: **24/38 (36.8% unmatched)** Matched Intensity: **88.8%** Matched Series Intensity: **86.3%**



Sequence: SYAVSGSAAAEAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H83 N14 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1212.3095	1211.5903	606.6585	606.2988

[–] Peak Matches

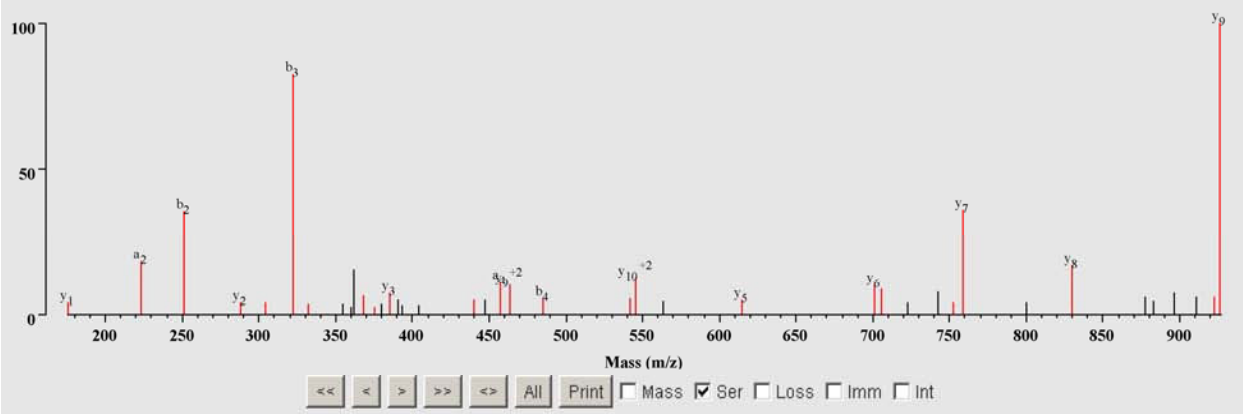
223.1311	235.1174	251.1092	258.1661	266.0472	293.1953	301.1828	303.1174	319.0872	322.1476
a_2(105)	YA(41)	b_2(26)	AVS(82)			SAAA(107)	SGSA(-41) VSGS-28(-161)		b_3(24)
330.1770	**339.0124**	**341.1678**	**343.1652**	**347.1652**	**356.1896**	**359.1965**	**361.1506**	**376.1901**	**391.1171**
y_3-NH_3(33) GSAAA-28(-0.59)			AAEA(12) AAAE(12)	y_3(-79)	SGSAA-H_2O(93)				
393.2217	**421.2049**	**430.2103**	**481.2412**	**489.2631**	**508.2161**	**561.2539**	**586.2240**	**597.2672**	**598.8850**
a_4(21) YAVS-28(21)	b_4(-7.7) YAVS(-7.7)	SAAAE(40)	y_{11}^{+2}(-21)	y_5(-7.4)	b_5(-47)			MH-H_2O^{+2}(-44) AVSGSAAA-H_2O(-53)	
604.2818	**605.8531**	**606.3004**	**647.3374**	**704.3494**	**791.3829**	**890.4128**	**961.4663**		
		a_7-H_2O(20) MH^{+2}(2.7)	y_7(2.3)	y_8(-11)	y_9(-8.2)	y_{10}(-51)	y_{11}(-30)		

[–] Main Sequence Ions

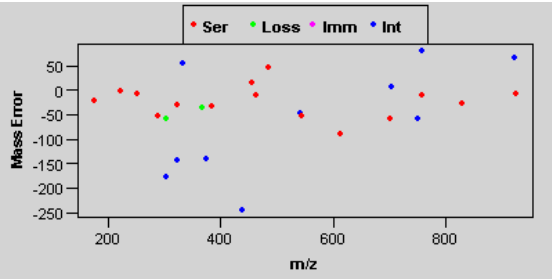
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1124.5582	562.7828
322.1397	3	A	961.4949	481.2511
421.2082	4	V	890.4578	445.7325
508.2402	5	S	791.3894	396.1983
565.2617	6	G	704.3573	352.6823
652.2937	7	S	647.3359	324.1716
723.3308	8	A	560.3039	280.6556
794.3679	9	A	489.2667	245.1370
865.4050	10	A	418.2296	209.6185
994.4476	11	E	347.1925	174.0999
1065.4847	12	A	218.1499	109.5786
---	13	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAYPAGSTQPIR^{+2}



Max Intensity: **2.35**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **82.6%** Matched Series Intensity: **82.6%**



Sequence SYAYPAGSTQPIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H96 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1411.5667	1410.7012	706.2870	705.8542

[–] **Peak Matches**

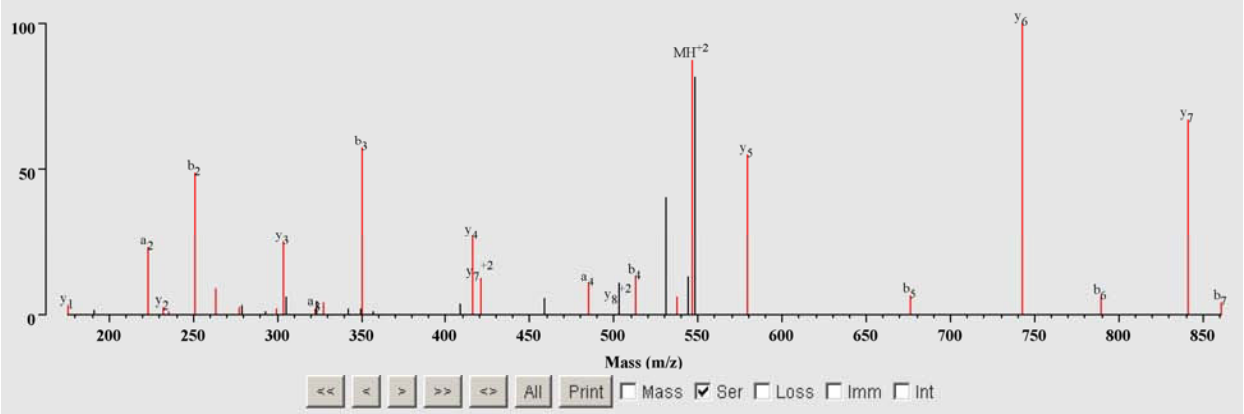
175.1149	**223.1074**	**251.1003**	**288.1877**	**304.1116**	**322.1298**	**332.1789**	**354.1995**	**360.1670**	**362.1961**
y_1(-23)	a_2(-1.4)	b_2(-9.3)	y_2(-53)	b_3-H_2O(-58) AYP-28(-177) YPA-28(-177)	b_3(-31) QPI-NH_3(-144)	AYP(55) YPA(55)			
368.2158	**375.1499**	**380.1826**	**385.2432**	**390.1839**	**393.1585**	**404.2200**	**440.1422**	**447.2158**	**457.2153**
y_3-NH_3(-36)	AYPA-28(-141)		y_3(-33)				TQPI(-246)		a_4(16)
463.7513	**485.2254**	**542.2305**	**545.2587**	**563.2565**	**614.3071**	**701.3533**	**705.3245**	**722.3664**	**742.3840**
y_9^{+2}(-11)	b_4(46)	PAGSTQ(-49) AGSTQP(-49)	y_{10}^{+2}(-54)		y_5(-89)	y_6(-58)	YPAGSTQ(6.1)		
752.3487	**758.4074**	**800.3601**	**829.4293**	**877.4182**	**882.4721**	**896.4395**	**910.5052**	**922.4540**	**926.4974**
PAGSTQPI(-60)	AYPAGSTQ-H_2O(80) y_7(-11)		y_8(-28)					YAYPAGSTQ-NH_3(65)	y_9(-8.6)

[–] **Main Sequence Ions**

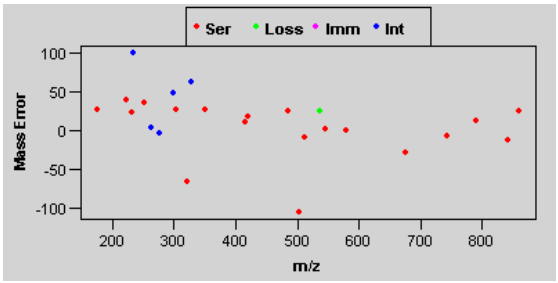
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1323.6692	662.3382
322.1397	3	A	11	1160.6058	580.8066
485.2031	4	Y	10	1089.5687	545.2880
582.2558	5	P	9	926.5054	463.7563
653.2930	6	A	8	829.4526	415.2300
710.3144	7	G	7	758.4155	379.7114
797.3464	8	S	6	701.3941	351.2007
898.3941	9	T	5	614.3620	307.6847
1026.4527	10	Q	4	513.3144	257.1608
1123.5055	11	P	3	385.2558	193.1315
1236.5895	12	I	2	288.2030	144.6051
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVYYLAGR^{+2}



Max Intensity: **7.38**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **76.2%** Matched Series Intensity: **72.9%**



Sequence: SYVYYLAGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H75 N12 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1092.2471	1091.5520	546.6273	546.2796

[–] **Peak Matches**

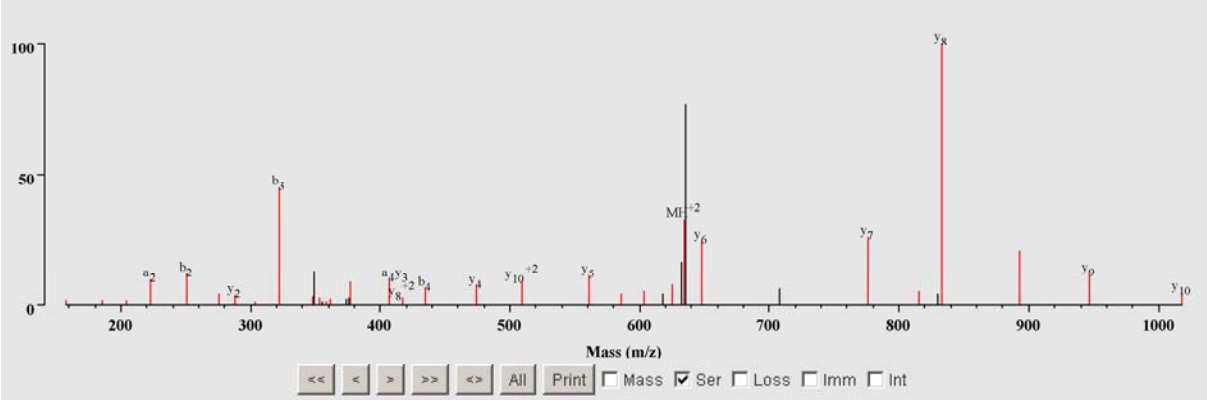
175.1237	**191.1073**	**223.1165**	**232.1457**	**235.1676**	**251.1115**	**263.1400**	**277.1536**	**279.1581**	**293.1780**
y_1(27)		a_2(39)	y_2(23)	YV-28(100) VY-28(100)	b_2(35)	YV(3.7) VY(3.7)	YL(-3.9)		
299.1534	**303.1854**	**305.1676**	**322.1547**	**323.1525**	**327.1542**	**342.1720**	**349.3163**	**350.1800**	**357.1708**
YY-28(48)	y_3(26)		a_3(-67)		YY(62)			b_3(26)	
408.9747	**416.2662**	**421.2393**	**458.9946**	**485.2511**	**502.7105**	**503.2921**	**513.2300**	**531.3013**	**537.7800**
	y_4(11)	y_7^{+2}(17)		a_4(24)	y_8^{+2}(-106)		b_4(-8.5)		MH-NH_3^{+2}(25)
543.6534	**544.2516**	**546.2802**	**548.3193**	**579.3247**	**676.2778**	**742.3823**	**789.3912**	**841.4464**	**860.4394**
		MH^{+2}(1.0)		y_5(-0.38)	b_5(-29)	y_6(-8.0)	b_6(12)	y_7(-12)	b_7(24)

[–] **Main Sequence Ions**

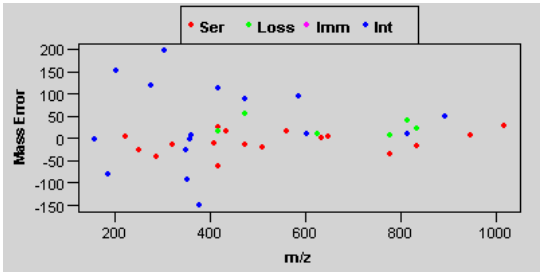
b			y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	1004.5200	502.7636
350.1710	3	V	7	841.4567	421.2320
513.2344	4	Y	6	742.3883	371.6978
676.2977	5	Y	5	579.3249	290.1661
789.3818	6	L	4	416.2616	208.6344
860.4189	7	A	3	303.1775	152.0924
917.4403	8	G	2	232.1404	116.5738
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAIGQSSGELR^{+2}



Max Intensity: **5.02**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **75.4%** Matched Series Intensity: **73.2%**



Sequence SYAIGQSSGELR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C53 H87 N16 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1268.3771	1267.6277	634.6923	634.3175

[–] **Peak Matches**

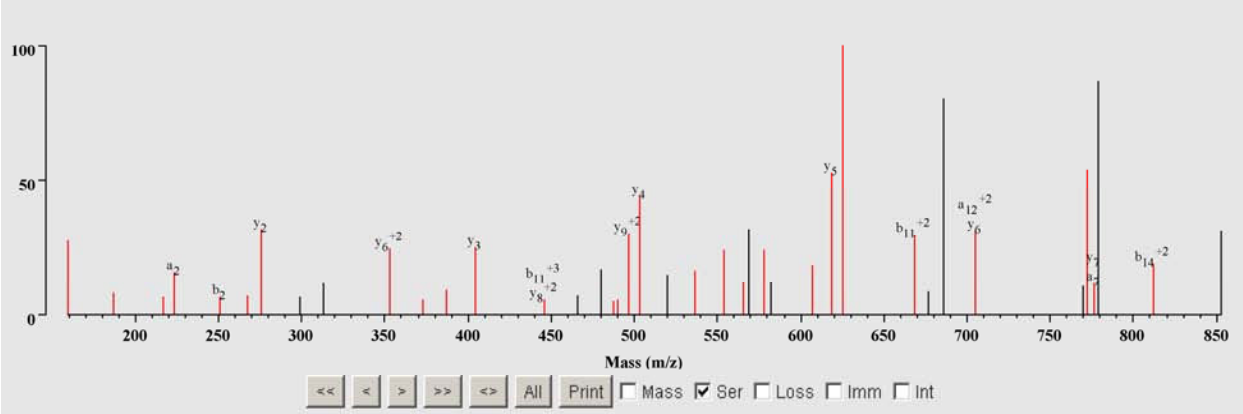
157.1333	185.1137	204.1291	223.1088	251.0958	275.1672	288.1909	303.1896	322.1349	348.1829
AI-28(-1.5)	AI(-80)	SSG-28(153)	a_2(4.8)	b_2(-27)	QSS-28(117)	y_2(-42)	QSS(197)	b_3(-15)	YAI(-26)
349.1726	**353.1492**	**355.0925**	**358.2081**	**361.1377**	**374.2430**	**376.2195**	**377.1619**	**407.2247**	**417.2194**
	AIGQ-NH_3(-93)		IGQS-28(-1.1)	SSGE(6.4)			YAIG-28(-150)	a_4(-10)	GQSSG(112) y_8^{+2}(24) b_4-H_2O(15) y_3(-63)
435.2313	**474.2606**	**509.2594**	**561.3083**	**585.3073**	**603.2840**	**618.2922**	**625.3186**	**632.3371**	**634.3189**
b_4(17)	SSGEL(87) b_5-H_2O(55) y_4(-14)	y_{10}^{+2}(-20)	y_5(16)	QSSGEL-NH_3(95)	b_6-NH_3(11) YAIGQS-NH_3(11)		MH-H_2O^{+2}(10)		MH^{+2}(2.2)
635.3062	**648.3339**	**708.3140**	**776.3626**	**815.4338**	**829.4374**	**833.3975**	**893.4438**	**946.5007**	**1017.5605**
	y_6(4.3)		b_8-H_2O(6.8) y_7(-35)	y_8-H_2O(41) AIGQSSGEL-28(9.9)		b_9-H_2O(22) y_8(-16)	YAIGQSSGE(49)	y_9(5.8)	y_{10}(28)

[–] **Main Sequence Ions**

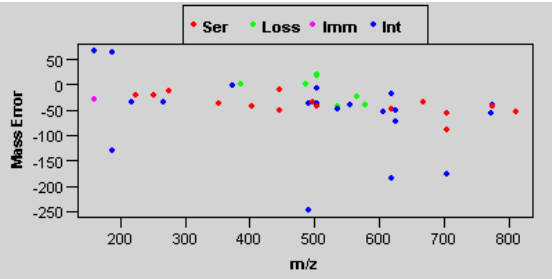
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1180.5957	590.8015
322.1397	3	A	10	1017.5323	509.2698
435.2238	4	I	9	946.4952	473.7513
492.2453	5	G	8	833.4112	417.2092
620.3039	6	Q	7	776.3897	388.6985
707.3359	7	S	6	648.3311	324.6692
794.3679	8	S	5	561.2991	281.1532
851.3894	9	G	4	474.2671	237.6372
980.4320	10	E	3	417.2456	209.1264
1093.5160	11	L	2	288.2030	144.6051
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEHSSLAFWKTDASDVKPC(Carbamidomethyl)$^{+4}$



Max Intensity: **67.4**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **67.1%** Matched Series Intensity: **65.3%**



Sequence: SYEHSSLAFWKTDASDVKPC(Carbamidomethyl)
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C103 H151 N26 O34 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2329.4005	2328.0601	1165.2039	1164.5337	777.1384	776.6916	583.1057	582.7705

[–] Peak Matches

159.0870	187.0833	217.0742	223.1028	251.0974	267.0998	276.0978	299.1503	313.1416	353.1519
DA-28(67) AS(67) W(-29)	DA(64) DV-28(-131)	TD(-35)	a_2(-22)	b_2(-21)	EH(-34)	y_2(-13)			y_6^{+2}(-38)
373.1707	**387.1701**	**404.1794**	**446.1930**	**465.7130**	**479.7243**	**487.7166**	**490.1599**	**496.7041**	**503.2429**
ASDV(-2.9)	y_3-NH_3(1.1)	y_3(-42)	y_8^{+2}(-10) b_{11}^{+3}(-51)			y_9-H_2O^{+2}(1.1)	TDASD(-37) LAFW-28(-248)	y_9^{+2}(-35)	a_{13}-NH_3^{+3}(19) y_{13}-NH_3^{+3}(17) KTDAS(-6.2) WKTD-28(-36) y_4(-43)
519.5526	**536.2209**	**554.2347**	**565.2417**	**568.5811**	**578.2442**	**582.2884**	**607.2507**	**618.2611**	**625.2627**
	b_{14}-NH_3^{+3}(-43) EHSSL-H_2O(-47)	EHSSL(-40)	b_{15}-NH_3^{+3}(-23)		MH-H_2O^{+4}(-41)		EHSSLA-H_2O(-54)	KTDASD(-19) y_5(-49) LAFWK-28(-186)	EHSSLA(-50) HSSLAF-H_2O(-74)
668.7962	**676.7801**	**685.7864**	**705.2839**	**769.8211**	**772.3203**	**776.3269**	**778.8223**	**812.3317**	**852.3447**
b_{11}^{+2}(-35)			y_6(-56) a_{12}^{+2}(-88) SLAFWK-28(-176)		EHSSLAF(-55)	a_7(-39) WKTDASD-28(-39) y_7(-44)		b_{14}^{+2}(-54)	

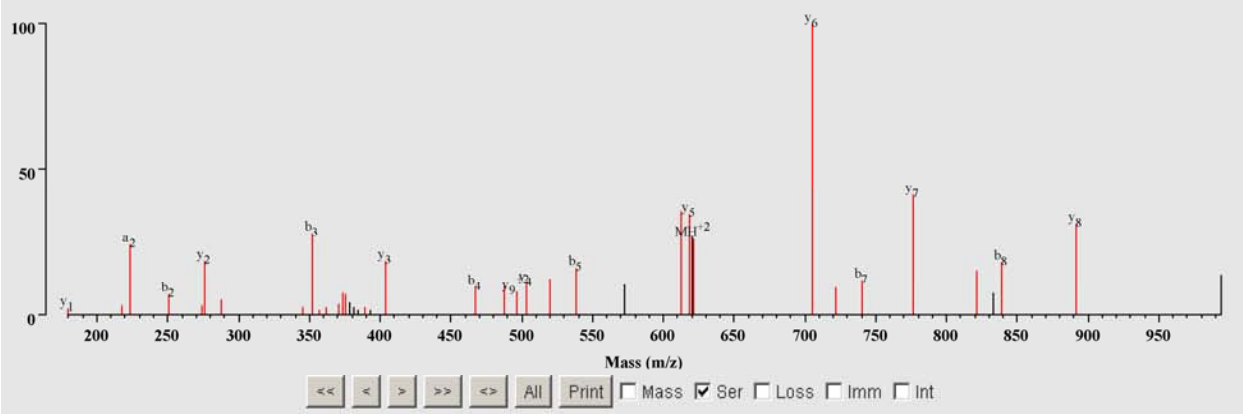
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	20	---	---
251.1026	---	2	Y	19	2241.0281	1121.0177
380.1452	---	3	E	18	2077.9648	1039.4860
517.2041	259.1057	4	H	17	1948.9222	974.9647
604.2362	302.6217	5	S	16	1811.8633	906.4353
691.2682	346.1377	6	S	15	1724.8312	862.9193
804.3523	402.6798	7	L	14	1637.7992	819.4032
875.3894	438.1983	8	A	13	1524.7151	762.8612
1022.4578	511.7325	9	F	12	1453.6780	727.3427
1208.5371	604.7722	10	W	11	1306.6096	653.8084
1336.6321	668.8197	11	K	10	1120.5303	560.7688
1437.6797	719.3435	12	T	9	992.4353	496.7213
1552.7067	776.8570	13	D	8	891.3877	446.1975

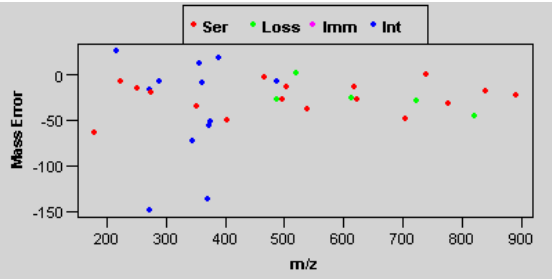
1623.7438	812.3755	14	**A**	7	776.3607	388.6840
1710.7758	855.8916	15	**S**	6	705.3236	353.1654
1825.8028	913.4050	16	**D**	5	618.2916	309.6494
1924.8712	962.9392	17	**V**	4	503.2646	252.1360
2052.9661	1026.9867	18	**K**	3	404.1962	202.6017
2150.0189	1075.5131	19	**P**	2	276.1013	---
---	---	20	**C(Carbamidomethyl)**	1	179.0485	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTDASDVKPC(Carbamidomethyl)$^{+2}$



Max Intensity: **2.62**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **88.4%** Matched Series Intensity: **87.0%**



Sequence: SYTDASDVKPC(Carbamidomethyl)
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H80 N13 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1243.1773	1242.5307	622.0924	621.7690

[–] Peak Matches

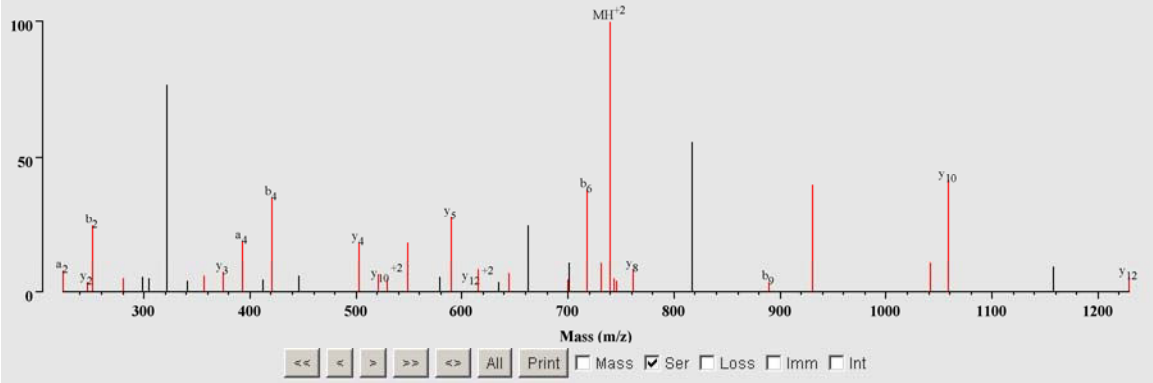
179.0370	**217.0876**	**223.1060**	**251.0988**	**274.0990**	**276.0959**	**288.1170**	**345.1517**	**352.1379**	**357.1448**
y_1(-64)	TD(26)	a_2(-7.7)	b_2(-15)	ASD(-16) DAS(-16) SDV-28(-149)	y_2(-19)	TDA(-7.0)	ASDV-28(-73)	YTD-28(-35) b_3(-35)	TDAS-H_2O(12)
362.1312	**371.0692**	**373.1507**	**375.1316**	**378.1533**	**381.1576**	**384.0569**	**389.1376**	**393.1698**	**404.1762**
YTD-H_2O(-9.6)	DASD-H_2O(-136)	ASDV(-56)	TDAS(-52)				DASD(19)		y_3(-50)
467.1759	**488.1947**	**496.7077**	**503.2580**	**520.2047**	**538.1937**	**572.2438**	**612.7480**	**618.2828**	**620.2732**
b_4(-2.9)	DASDV(-8.2) y_9-NH_3^{+2}(-27)	y_9^{+2}(-27)	y_4(-13)	YTDAS-H_2O(1.7) b_5-H_2O(1.7)	YTDAS(-38) b_5(-38)		MH-H_2O^{+2}(-26)	y_5(-14)	
621.7521	**705.2893**	**722.2417**	**740.2734**	**776.3362**	**821.2933**	**833.3893**	**839.3265**	**891.3684**	**993.4688**
MH^{+2}(-27)	y_6(-49)	b_7-H_2O(-29)	b_7(0.081)	y_7(-32)	b_8-H_2O(-46)		b_8(-18)	y_8(-22)	

[–] Main Sequence Ions

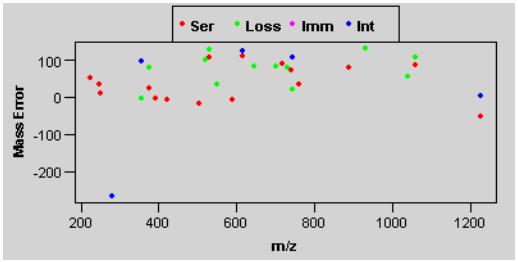
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1155.4987	578.2530
352.1503	---	3	**T**	9	992.4353	496.7213
467.1773	---	4	**D**	8	891.3877	446.1975
538.2144	---	5	**A**	7	776.3607	388.6840
625.2464	---	6	**S**	6	705.3236	353.1654
740.2733	---	7	**D**	5	618.2916	309.6494
839.3418	---	8	**V**	4	503.2646	252.1360
967.4367	484.2220	9	**K**	3	404.1962	202.6017
1064.4895	532.7484	10	**P**	2	276.1013	---
---	---	11	**C(Carbamidomethyl)**	1	179.0485	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLGC(Carbamidomethyl)HGGGSQEVK^{+2}



Max Intensity: **6.05**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **69.2%** Matched Series Intensity: **63.3%**



Sequence: SYLGC(Carbamidomethyl)HGGGSQEVK
N Term | C Term | Neutral Loss | [+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C61 H96 N19 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1479.4557	1478.6693	740.2316	739.8383

[–] **Peak Matches**

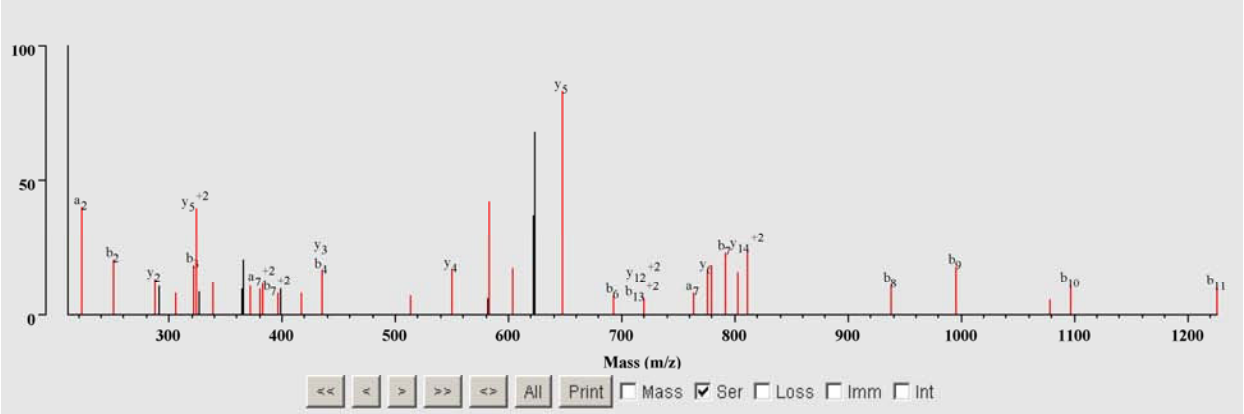
223.1194	246.1900	251.1055	281.0604	299.1583	304.1336	322.1462	341.2221	357.2120	375.2325
a_2(52)	y_2(36)	b_2(11)	HGGG-28(-268)					QEV(98) y_3-H_2O(-3.5)	a_4-H_2O(79) y_3(23)
393.2121	**412.2635**	**421.2044**	**446.2502**	**503.2729**	**520.7851**	**529.7950**	**549.2615**	**579.3407**	**590.3099**
a_4(-2.9)		b_4(-8.9)		y_4(-19)	y_{10}-H_2O^{+2}(101)	a_{11}-H_2O^{+2}(128) y_{10}^{+2}(108)	y_{11}-H_2O^{+2}(33)		y_5(-7.7)
614.8592	**615.3498**	**634.3286**	**644.3284**	**662.3444**	**700.3457**	**701.3304**	**718.3621**	**731.3820**	**739.8909**
y_{12}^{+2}(112)	GGGSQEV(124)		a_{13}-NH_3^{+2}(83)		b_6-H_2O(84)		b_6(90)	MH-NH_3^{+2}(78)	MH^{+2}(71)
743.3831	**745.3893**	**761.4059**	**817.4215**	**889.4335**	**930.5113**	**1041.4976**	**1058.5602**	**1157.5952**	**1228.5075**
y_8-H_2O(20)	YLGC(Carbamidomethyl)HGG(108)	y_8(36)		YLGC(Carbamidomethyl)HGGGS(80) b_9(80)	a_{10}-H_2O(132)	y_{10}-NH_3(54)	a_{11}-H_2O(107) y_{10}(87)		YLGC(Carbamidomethyl)HGGGSQEV-NH_3(1.9) y_{12}(-54)

[–] **Main Sequence Ions**

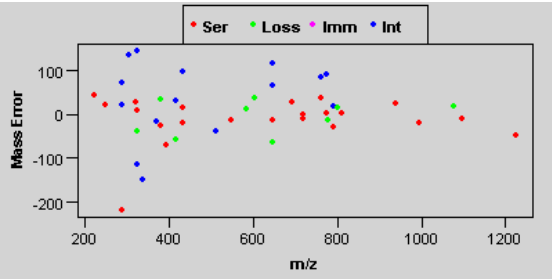
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1391.6372	696.3223
364.1867	---	3	**L**	12	1228.5739	614.7906
421.2082	---	4	**G**	11	1115.4898	558.2486
581.2388	---	5	**C(Carbamidomethyl)**	10	1058.4684	529.7378
718.2977	359.6525	6	**H**	9	898.4377	449.7225
775.3192	388.1632	7	**G**	8	761.3788	381.1930
832.3406	416.6740	8	**G**	7	704.3573	352.6823
889.3621	445.1847	9	**G**	6	647.3359	324.1716
976.3941	488.7007	10	**S**	5	590.3144	295.6608
1104.4527	552.7300	11	**Q**	4	503.2824	252.1448
1233.4953	617.2513	12	**E**	3	375.2238	188.1155
1332.5637	666.7855	13	**V**	2	246.1812	123.5942
---	---	14	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAIRTVFGTEPDM(Oxidation)IR^{+3}



Max Intensity: **6.23**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **67.3%** Matched Series Intensity: **67.3%**



Sequence SYAIRTVFGTEPDM(Oxidation)IR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C82 H131 N22 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1872.9893	1871.9320	936.9984	936.4696	625.0014	624.6489

[–] Peak Matches

210.1152	223.1173	251.1078	288.1399	291.2051	306.1859	322.1485	324.1661	327.2250	339.1630
	a_2(43)	b_2(21)	GTE(72) FGT-H_2O(20) y_2(-219)		FGT(134)	b_3(27)	EPD-H_2O(145) y_5^{+2}(10) a_6-NH_3^{+2}(-40) AIR-NH_3(-114)		RTV-H_2O(-150)
364.2168	**366.2153**	**371.2344**	**380.1841**	**382.2166**	**396.1963**	**398.1917**	**417.1899**	**435.2299**	**513.3308**
		y_3-$SOCH_4$(-15) IRT(-15)	y_6-NH_3^{+2}(35)	a_7^{+2}(-26)	b_7^{+2}(-70)		FGTE-H_2O(31) b_4-H_2O(-56)	FGTE(98) b_4(14) y_3(-20)	AIRTV-28(-39)
550.2577	**581.2554**	**583.3267**	**604.3304**	**622.3179**	**623.2436**	**647.3101**	**692.3910**	**719.3535**	**763.4750**
y_4(-14)		y_5-$SOCH_4$(12)	b_{11}-H_2O^{+2}(36)			GTEPDM(Oxidation)(117) FGTEPD(66) y_5(-12) a_6-NH_3(-63)	b_6(27)	b_{13}^{+2}(-0.80) y_{12}^{+2}(-11)	RTVFGTE-28(85) a_7(38)
776.3625	**779.4137**	**791.4183**	**802.4297**	**811.4237**	**938.5320**	**995.5123**	**1078.5886**	**1096.5684**	**1225.5607**
FGTEPDM(Oxidation)-H_2O(91) y_6(2.3)	y_{14}-$SOCH_4^{+2}$(-12)	RTVFGTE(17) b_7(-29)	y_{14}-H_2O^{+2}(16)	y_{14}^{+2}(2.1)	b_8(24)	b_9(-19)	b_{10}-H_2O(19)	b_{10}(-9.3)	b_{11}(-49)

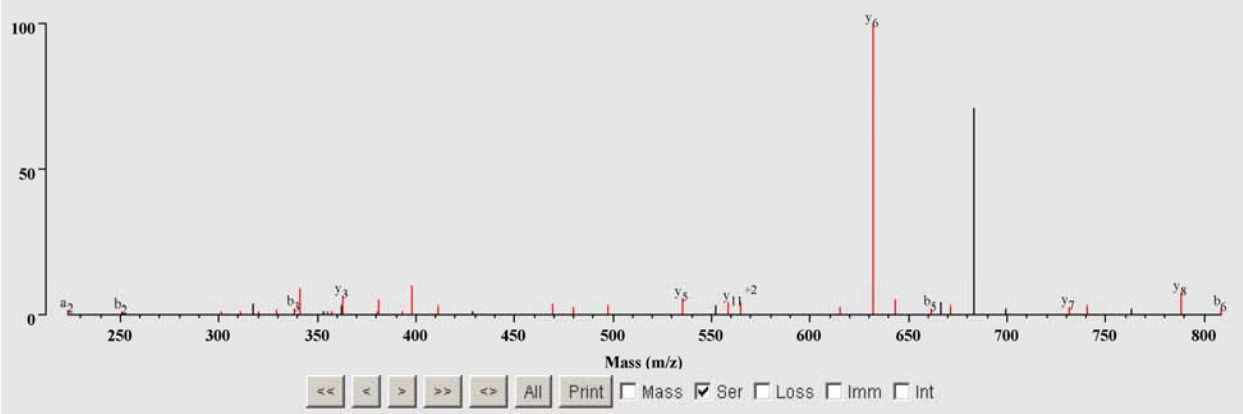
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1784.9000	892.9536
322.1397	---	3	A	14	1621.8367	811.4220
435.2238	---	4	I	13	1550.7995	775.9034
591.3249	296.1661	5	R	12	1437.7155	719.3614
692.3726	346.6899	6	T	11	1281.6144	641.3108
791.4410	396.2241	7	V	10	1180.5667	590.7870
938.5094	469.7584	8	F	9	1081.4983	541.2528
995.5309	498.2691	9	G	8	934.4299	467.7186
1096.5786	548.7929	10	T	7	877.4084	439.2078
1225.6212	613.3142	11	E	6	776.3607	388.6840
1322.6739	661.8406	12	P	5	647.3181	324.1627
1437.7009	719.3541	13	D	4	550.2654	275.6363

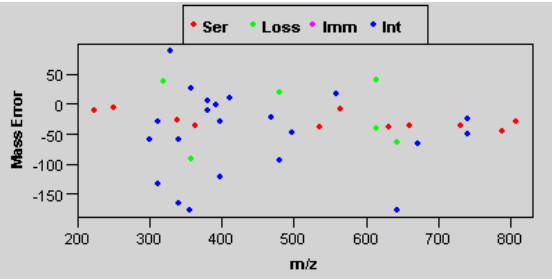
1584.7363	792.8718	14	**M(Oxidation)**	3	435.2384	218.1228
1697.8203	849.4138	15	**I**	2	288.2030	144.6051
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)YFIPNEGVPGDSTR^{+3}



Max Intensity: **25.3**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **68.9%** Matched Series Intensity: **68.9%**



Sequence: SYSC(Carbamidomethyl)YFIPNEGVPGDSTR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C89 H130 N23 O31 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2050.0592	2048.9018	1025.5333	1024.9546	684.0247	683.6388

[–] Peak Matches

223.1054	251.1012	301.0964	311.1300	317.1373	320.1363	329.1750	338.1254	341.1256	353.1328
YS-28(-10) a_2(-10)	YS(-5.7) b_2(-5.7)	NEG(-59)	YF(-29) GVPG(-133)		b_3-H_2O(38)	PGDS-28(89)	b_3(-27)	PNE(-59) VPGD-28(-165)	
355.1349	**357.1498**	**362.1236**	**363.1853**	**380.1527**	**381.1425**	**393.1225**	**398.1549**	**411.1379**	**429.0920**
EGVP-28(-177)	PGDS(26) y_7-H_2O^{+2}(-91)		y_3(-37)	PNEG-H_2O(-9.9)	PNEG-NH_3(5.3)	SC(Carbamidomethyl)Y-H_2O(-0.55) YSC(Carbamidomethyl)-H_2O(-0.55)	PNEG(-30) GVPGD-28(-122)	SC(Carbamidomethyl)Y(11) YSC(Carbamidomethyl)(11)	
469.2299	**480.1637**	**497.2119**	**535.2268**	**552.2096**	**558.2113**	**564.7626**	**615.2483**	**632.2754**	**643.1773**
NEGVP-28(-23) PNEGV-28(-23)	b_4-H_2O(19) NEGVP-NH_3(-94) PNEGV-NH_3(-94)	PNEGV(-47) NEGVP(-47)	y_5(-38)		SC(Carbamidomethyl)YF(17)	y_{11}^{+2}(-8.9)	a_5-H_2O(41) y_6-NH_3(-41)	y_6(-39)	b_5-H_2O(-63) SC(Carbamidomethyl)YFI-28(-177)
661.2044	**666.2912**	**671.2406**	**683.3080**	**699.2722**	**731.3417**	**740.3253**	**763.2326**	**788.3535**	**808.2742**
b_5(-37)		SC(Carbamidomethyl)YFI(-67)			y_7(-36)	SC(Carbamidomethyl)YFIP-28(-25) FIPNEGV-NH_3(-49)		y_8(-46)	b_6(-28)

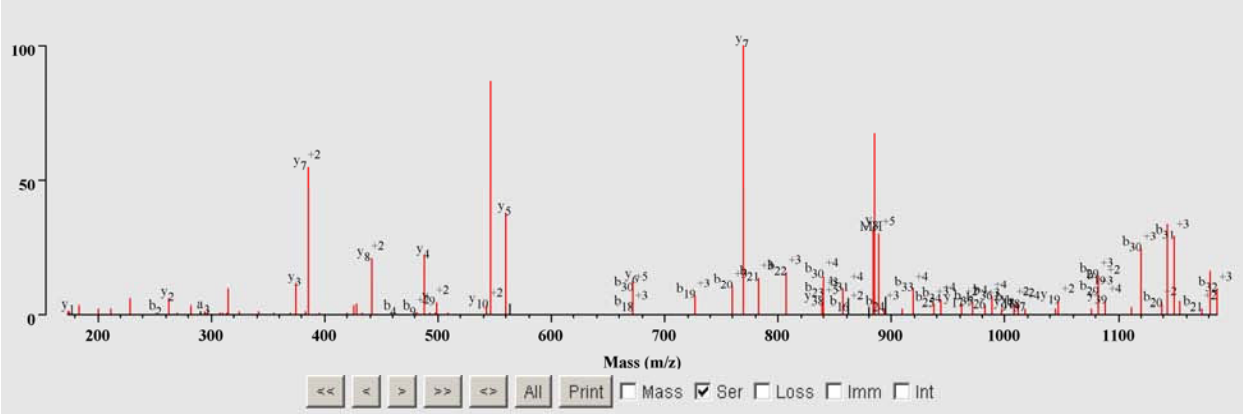
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1961.8698	981.4385
338.1347	3	S	16	1798.8065	899.9069
498.1653	4	C(Carbamidomethyl)	15	1711.7744	856.3909
661.2286	5	Y	14	1551.7438	776.3755
808.2971	6	F	13	1388.6805	694.8439
921.3811	7	I	12	1241.6121	621.3097
1018.4339	8	P	11	1128.5280	564.7676
1132.4768	9	N	10	1031.4752	516.2413
1261.5194	10	E	9	917.4323	459.2198
1318.5409	11	G	8	788.3897	394.6985
1417.6093	12	V	7	731.3682	366.1878
1514.6620	13	P	6	632.2998	316.6536

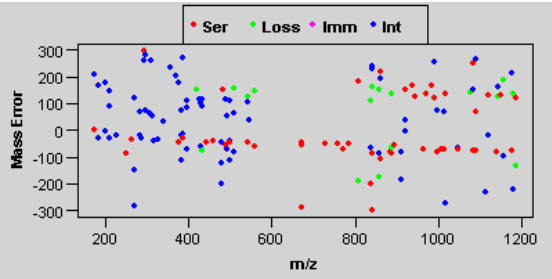
1571.6835	14	**G**	5	535.2471	268.1272
1686.7104	15	**D**	4	478.2256	239.6164
1773.7425	16	**S**	3	363.1987	182.1030
1874.7902	17	**T**	2	276.1666	138.5870
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAHTGEESVADHHEAEYYVAAVYEHPSILSLNPLALISR^{+5}



Max Intensity: **277**
Num Matched: **84/89 (5.6% unmatched)** Matched Intensity: **97.6%** Matched Series Intensity: **97.3%**



Sequence SYAHTGEESVADHHEAEYYVAAVYEHPSILSLNPLALISR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 5 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks 100 Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C199 H297 N52 O64

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)	MH^{+5}(av)	MH^{+5}(mono)
4441.8881	4439.1579	2221.4478	2220.0826	1481.3010	1480.3908	1111.2276	1110.5449	889.1836	888.6374

[–] Peak Matches

173.1284	175.1189	183.1435	201.1226	211.1382	228.1303	251.0811	262.1424	270.1409	282.1755
AE-28(210) EA-28(210) SL-28(-0.31) LS-28(-0.31) SI-28(-0.31) IS-28(-0.31)	y_1(-0.30)	SL-H_2O(168) LS-H_2O(168) SI-H_2O(168) IS-H_2O(168) PL-28(-31)	AE(177) EA(177) SI(-3.8) LS(-3.8) SL(-3.8) IS(-3.8)	LN-NH_3(144) HT-28(91) PL(-28)	LN(-17)	b_2(-86)	y_2(-33)	TGE-H_2O(120) PSI-28(-149) LAL-28(-284) ALI-28(-284)	AHT-28(69) PLA(-20)
287.1635	**291.2351**	**294.2321**	**296.2191**	**308.1802**	**310.2320**	**314.2235**	**315.1535**	**325.1759**	**341.2296**
SLN-28(-27)		a_3(297) HPS-28(258)	ADH-28(283) HTG(283) LSL-H_2O(75) SIL-H_2O(75) ILS-H_2O(75) LIS-H_2O(75)	LNP-NH_3(64) NPL-NH_3(64)	AHT(261) HEA-28(261)	SIL(51) LSL(51) ILS(51) LIS(51)	SLN(-41)	NPL(-34) LNP(-34)	VAAV(33)
355.2455	**369.2524**	**375.2173**	**383.2578**	**385.2390**	**395.2366**	**419.7472**	**425.2267**	**428.2255**	**433.2338**
SVAD-H_2O(237)	ESVA-H_2O(205)	GEES-28(177) y_3(-47)	SILS-H_2O(75) PSIL-28(-20) LALI-28(-114)	GEES-H_2O(269) ALIS(-14) y_7^{+2}(-29)	SLNP-NH_3(112) VADH-28(83) PLAL(-73)	a_{16}-H_2O^{+4}(153)	HTGE(115)	EYY-28(102) LSLN(-58)	EHPS-H_2O(117) ADHH-28(91) y_8-H_2O^{+2}(-75)
442.2525	**459.1803**	**480.2593**	**481.7703**	**488.2917**	**492.2457**	**498.2731**	**498.7908**	**508.3086**	**542.3051**
y_8^{+2}(-43)	b_4(-40)	PSILS-H_2O(-47) LALIS-H_2O(-122) PLALI-28(-198)	b_9^{+2}(154)	EESVA-28(116) y_4(-56)	SVADH-H_2O(52) LNPLA-NH_3(-73) NPLAL-NH_3(-73)	EESVA-H_2O(108) PSILS(-38) LALIS(-111)	y_9^{+2}(-46)	a_{10}-H_2O^{+2}(159) LSLNP-NH_3(63) SLNPL-NH_3(63) PLALI(-80)	b_5-H_2O(128) VADHH-H_2O(107) y_5-NH_3(-45) y_{10}^{+2}(-45)
546.2880	**559.3220**	**563.2657**	**671.9142**	**672.4024**	**726.2634**	**759.2848**	**769.4389**	**782.9616**	**806.8261**
EHPSI-H_2O(38)	a_{16}-H_2O^{+3}(144) y_5(-61)		b_{18}^{+3}(-46) b_{30}^{+5}(-289)	y_6(-56)	b_{19}^{+3}(-50)	b_{20}^{+3}(-50)	y_7(-70)	b_{21}^{+3}(-51)	b_{22}^{+3}(181) y_{15}-H_2O^{+2}(-191)
838.4497	**839.6323**	**840.1471**	**857.2692**	**861.5504**	**861.9697**	**879.9924**	**883.4656**	**885.3527**	**888.5601**
a_{16}-H_2O^{+2}(109) SILSLNPL(-64) y_{38}^{+5}(-201)	AEYYVAAV-28(241) VAAVYEHP-28(228) b_{23}^{+3}(-85) b_{30}^{+4}(-299)	b_{38}+H_2O^{+5}(162)	b_{31}-H_2O^{+4}(152) b_8-H_2O(-85) YAHTGEES-H_2O(-85) b_{39}+H_2O^{+5}(-173)	b_{16}^{+2}(220) VADHHEAE-28(192) b_{31}^{+4}(-106)			y_8(-80)	MH-NH_3^{+5}(136) b_{32}-H_2O^{+4}(-65)	MH^{+5}(-87)
894.0085	**894.4493**	**909.3734**	**918.5629**	**937.2288**	**942.8042**	**961.9686**	**971.0904**	**982.9243**	**988.8347**
b_{24}^{+3}(-55)		YEHPSILS-H_2O(-80) SILSLNPLA(-184) SLNPLALIS(-184)	b_{33}^{+4}(152) PSILSLNPL-NH_3(36) ILSLNPLAL-NH_3(-3.3) LSLNPLALI-NH_3(-3.3)	b_{25}^{+3}(167)	b_{34}^{+4}(125)	y_{17}^{+2}(-73)	b_{35}^{+4}(137)	b_{26}^{+3}(169)	PSILSLNPLA-H_2O(255) b_{36}^{+4}(119)

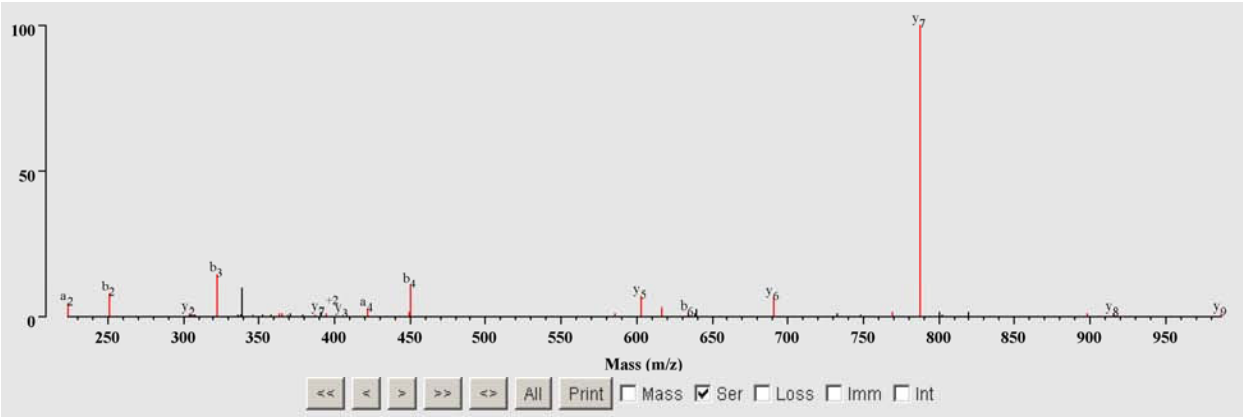
996.5386	1007.3404	1011.5016	1017.1276	1044.5525	1047.0192	1075.9603	1081.7323	1082.0848	1088.8631
EAEYYVAAV(72) y_9(-82)	b_{18}^{+2}(-73)	HHEAEYYV-H_2O (69) y_{18}^{+2}(-70)	b_{37}^{+4}(137) DHHEAEYY-28(-274)	HPSILSLNPL-28(-65)	y_{19}^{+2}(-69)	b_{29}-H_2O^{+3}(139)	AAVYEHPSIL(152) b_{29}^{+3}(-76)	b_{29}^{+3}(250)	EHPSILSLNP(266) y_{39}^{+4}(70) b_{19}^{+2}(-76)
1111.2230	**1119.6545**	**1138.3877**	**1142.6627**	**1148.6702**	**1154.4728**	**1173.9109**	**1180.3736**	**1186.3577**	
SVADHHEAEY-28(-231)	b_{30}^{+3}(130) PSILSLNPLAL(-20)	b_{20}^{+2}(-81)	YAHTGEESVAD-H_2O (164) b_{31}-H_2O^{+3}(128)	b_{31}^{+3}(131)	y_{31}-NH_3^{+3}(188) YEHPSILSLN(-96)	EHPSILSLNPL-28 (212) b_{21}^{+2}(-75)	b_{32}-H_2O^{+3}(138) VAAVYEHPSIL(-222)	b_{32}^{+3}(121) a_{22}-H_2O^{+2}(-132)	

[–] Main Sequence Ions

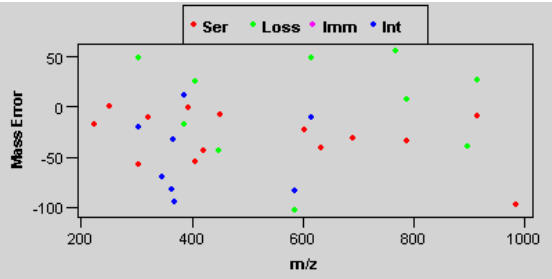
b	b^{+2}				y	y^{+2}
---	---	1	S	40	---	---
251.1026	---	2	Y	39	4352.1258	2176.5666
322.1397	---	3	A	38	4189.0625	2095.0349
459.1987	230.1030	4	H	37	4118.0254	2059.5163
560.2463	280.6268	5	T	36	3980.9665	1990.9869
617.2678	309.1375	6	G	35	3879.9188	1940.4630
746.3104	373.6588	7	E	34	3822.8973	1911.9523
875.3530	438.1801	8	E	33	3693.8548	1847.4310
962.3850	481.6961	9	S	32	3564.8122	1782.9097
1061.4534	531.2304	10	V	31	3477.7801	1739.3937
1132.4905	566.7489	11	A	30	3378.7117	1689.8595
1247.5175	624.2624	12	D	29	3307.6746	1654.3409
1384.5764	692.7918	13	H	28	3192.6477	1596.8275
1521.6353	761.3213	14	H	27	3055.5887	1528.2980
1650.6779	825.8426	15	E	26	2918.5298	1459.7686
1721.7150	861.3611	16	A	25	2789.4872	1395.2473
1850.7576	925.8824	17	E	24	2718.4501	1359.7287
2013.8209	1007.4141	18	Y	23	2589.4075	1295.2074
2176.8843	1088.9458	19	Y	22	2426.3442	1213.6757
2275.9527	1138.4800	20	V	21	2263.2809	1132.1441
2346.9898	1173.9985	21	A	20	2164.2125	1082.6099
2418.0269	1209.5171	22	A	19	2093.1754	1047.0913
2517.0953	1259.0513	23	V	18	2022.1382	1011.5728
2680.1587	1340.5830	24	Y	17	1923.0698	962.0386
2809.2012	1405.1043	25	E	16	1760.0065	880.5069
2946.2602	1473.6337	26	H	15	1630.9639	815.9856
3043.3129	1522.1601	27	P	14	1493.9050	747.4561
3130.3449	1565.6761	28	S	13	1396.8522	698.9298
3243.4290	1622.2181	29	I	12	1309.8202	655.4137
3356.5131	1678.7602	30	L	11	1196.7361	598.8717
3443.5451	1722.2762	31	S	10	1083.6521	542.3297
3556.6292	1778.8182	32	L	9	996.6200	498.8137
3670.6721	1835.8397	33	N	8	883.5360	442.2716
3767.7249	1884.3661	34	P	7	769.4931	385.2502
3880.8089	1940.9081	35	L	6	672.4403	336.7238
3951.8460	1976.4267	36	A	5	559.3562	280.1817
4064.9301	2032.9687	37	L	4	488.3191	244.6632
4178.0142	2089.5107	38	I	3	375.2350	188.1212
4265.0462	2133.0267	39	S	2	262.1510	131.5791
---	---	40	R	1	175.1190	88.0631

[+] All Sequence Ions
[+] Internal Ions
[+] Theoretical Peak Table

SYAQPSPTTER^{+2}



Max Intensity: **17.2**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **86.4%** Matched Series Intensity: **86.4%**



Sequence SYAQPSPTTER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C52 H82 N15 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1237.3194	1236.5855	619.1634	618.7964

[–] **Peak Matches**

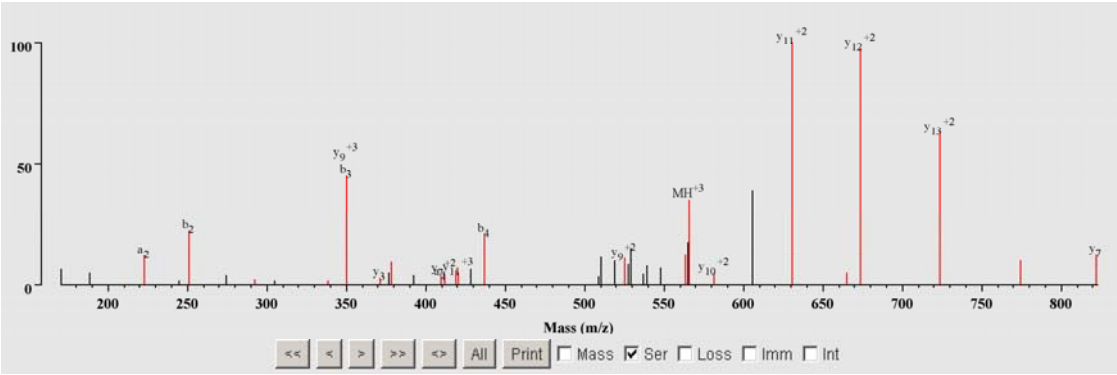
223.1040	251.1027	304.1442	308.1121	322.1361	336.0938	338.0819	339.1583	346.1156	352.1108
a_2(-17)	b_2(0.27)	b_3-H_2O(49) TTE-28(-20) y_2(-57)		b_3(-11)				YAQ-NH_3(-70)	
358.1146	**363.1366**	**365.1704**	**369.1423**	**371.0871**	**379.1494**	**387.1922**	**391.1582**	**394.2005**	**405.1870**
	YAQ(-82)	PSPT-H_2O(-32)	SPTT-H_2O(-94)			SPTT(12) y_3-H_2O(-17)		y_7^{+2}(-0.93)	a_4-NH_3(25) y_3(-55)
422.1851	**449.2054**	**450.1950**	**585.2387**	**603.2958**	**616.3029**	**634.2571**	**638.2538**	**639.2322**	**690.3205**
a_4(-43)	y_8-H_2O^{+2}(-43)	b_4(-7.4)	PSPTTE-28(-84) y_5-H_2O(-103)	y_5(-23)	b_6-H_2O(49) YAQPSP-28(-9.8)	b_6(-41)			y_6(-31)
732.2991	**748.3149**	**769.4268**	**787.3678**	**800.3794**	**802.2684**	**819.3475**	**898.3912**	**915.4452**	**986.3941**
		y_7-H_2O(56)	a_8-NH_3(7.2) y_7(-34)				y_8-NH_3(-39)	b_9-H_2O(27) y_8(-8.6)	y_9(-97)

[–] **Main Sequence Ions**

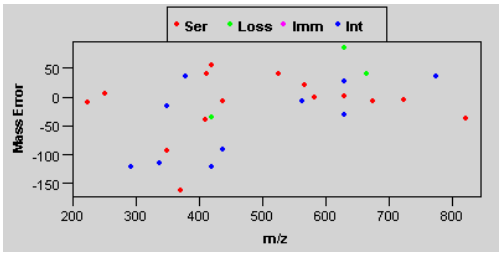
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1149.5535	575.2804
322.1397	3	A	986.4901	493.7487
450.1983	4	Q	915.4530	458.2302
547.2511	5	P	787.3945	394.2009
634.2831	6	S	690.3417	345.6745
731.3359	7	P	603.3097	302.1585
832.3836	8	T	506.2569	253.6321
933.4312	9	T	405.2092	203.1083
1062.4738	10	E	304.1615	152.5844
---	11	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVSPNPEPPEKPVR^{+3}



Max Intensity: **12.3**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **75.4%** Matched Series Intensity: **73.9%**



Sequence SYVSPNPEPPEKPVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C76 H119 N20 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1696.9122	1695.8701	848.9598	848.4387	566.3090	565.9615

[–] **Peak Matches**

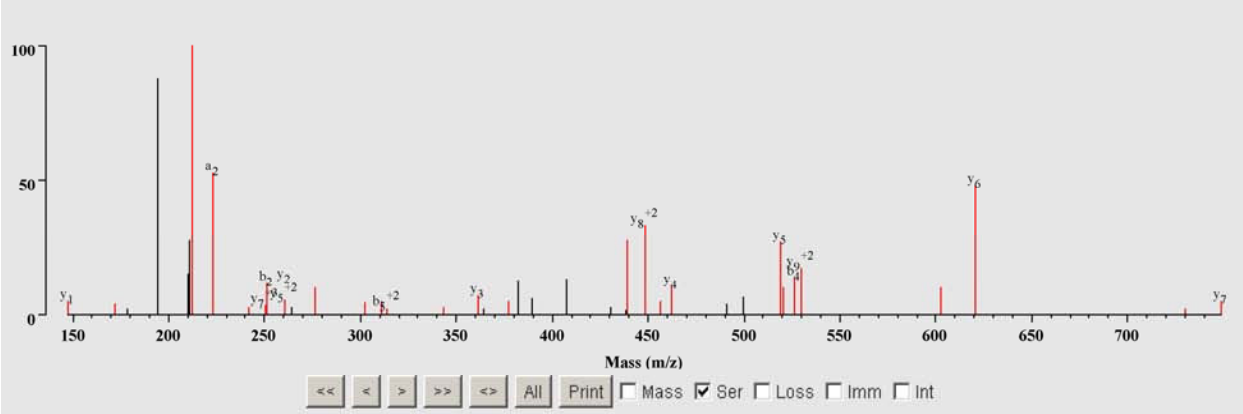
170.1141	188.1310	223.1054	245.1079	251.1042	274.0922	292.0937	305.1436	338.1324	350.1651
		a_2(-10)		b_2(6.2)		PNP-NH_3(-121)		EKP-NH_3(-114) PEK-NH_3(-114)	b_3(-17) YVS(-17) y_9^{+3}(-93)
371.1800	**377.1174**	**378.1910**	**392.1754**	**409.1922**	**411.7619**	**419.1780**	**420.5861**	**428.1553**	**437.2000**
y_3(-162)		SPNP-H_2O(36)		a_4(-39)	y_7^{+2}(40)	b_4-H_2O(-35) YVSP-28(-121)	y_{11}^{+3}(55)		b_4(-7.0) EKPV-NH_3(-90)
509.0628	**510.0626**	**519.0460**	**524.8136**	**527.5422**	**529.0470**	**536.5502**	**539.0635**	**548.0737**	**563.2785**
			y_9^{+2}(39)						EPPEK-H_2O(-6.9)
565.2524	**565.9734**	**581.8136**	**605.8255**	**630.3419**	**665.3699**	**673.8523**	**723.3872**	**774.4049**	**822.4526**
	MH^{+3}(21)	y_{10}^{+2}(-1.4)		b_6-H_2O(85) YVSPNP-28(27) y_{11}^{+2}(1.8) PPEKPV-H_2O(-30)	y_{12}-NH_3^{+2}(40)	y_{12}^{+2}(-6.7)	y_{13}^{+2}(-5.2)	NPEPPEK-H_2O(35)	y_7(-37)

[–] **Main Sequence Ions**

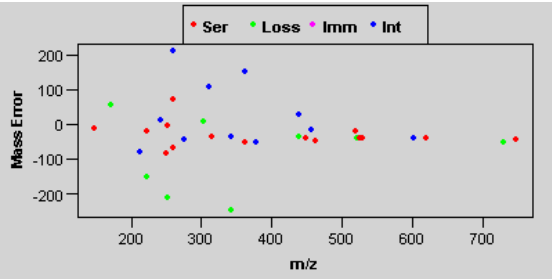
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1608.8380	804.9227
350.1710	---	3	**V**	13	1445.7747	723.3910
437.2031	---	4	**S**	12	1346.7063	673.8568
534.2558	---	5	**P**	11	1259.6743	630.3408
648.2988	---	6	**N**	10	1162.6215	581.8144
745.3515	---	7	**P**	9	1048.5786	524.7929
874.3941	---	8	**E**	8	951.5258	476.2665
971.4469	---	9	**P**	7	822.4832	411.7452
1068.4997	---	10	**P**	6	725.4304	363.2189
1197.5422	---	11	**E**	5	628.3777	314.6925
1325.6372	663.3222	12	**K**	4	499.3351	250.1712
1422.6900	711.8486	13	**P**	3	371.2401	186.1237
1521.7584	761.3828	14	**V**	2	274.1874	137.5973
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFKTGTTLK^{+3}



Max Intensity: **93.2**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **70.0%** Matched Series Intensity: **69.7%**



Sequence SYFKTGTTLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C53 H85 N12 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1146.3367	1145.6201	573.6721	573.3137	382.7839	382.5449

[–] **Peak Matches**

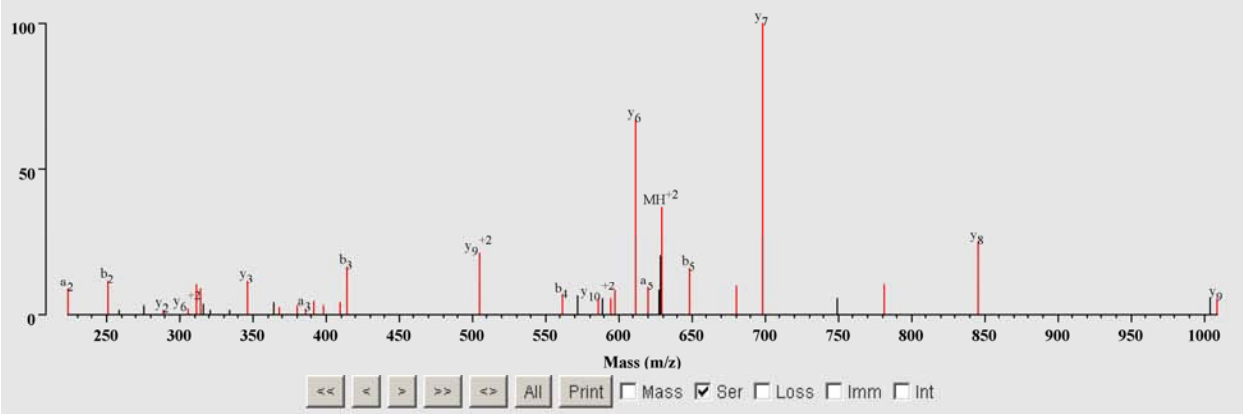
147.1112	172.1305	178.0839	194.1109	210.0871	211.1185	212.1221	223.1028	242.1168	250.1356
y_1(-11)	y_3-H_2O^{+2}(57)					KT-H_2O(-81)	a_2(-22) y_4-NH_3^{+2}(-151)	TGT-H_2O(13) GTT-H_2O(13)	y_7^{+3}(-85)
251.1019	**260.1789**	**264.1292**	**276.1585**	**302.1730**	**311.1719**	**314.1489**	**343.1487**	**361.2256**	**364.2067**
b_2(-2.9) y_5-H_2O^{+2}(-212)	TGT(211) GTT(211) y_5^{+2}(71) y_2(-69)		FK(-44)	y_6-NH_3^{+2}(6.5)	YF(106)	b_5^{+2}(-37)	TGTT-H_2O(-36) y_3-H_2O(-248)	TGTT(149) y_3(-52)	
377.1980	**382.2048**	**389.1689**	**407.1759**	**430.2436**	**438.2206**	**439.2455**	**448.2484**	**456.2382**	**462.2698**
FKT(-54)						YFK(26) y_8-H_2O^{+2}(-35)	y_8^{+2}(-39)	TGTTL-H_2O(-16)	y_4(-49)
490.7572	**499.7566**	**519.3025**	**520.7721**	**526.2439**	**529.7755**	**602.3259**	**620.3360**	**730.4083**	**748.4245**
		y_5(-22)	y_9-H_2O^{+2}(-39)	b_4(-42)	y_9^{+2}(-42)	y_6-H_2O(-41) KTGTTL(-41)	y_6(-41)	y_7-H_2O(-51)	y_7(-43)

[–] **Main Sequence Ions**

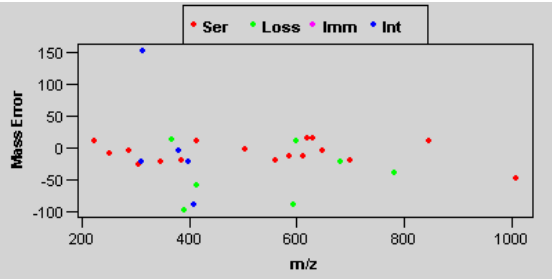
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1058.5881	529.7977
398.1710	---	3	F	8	895.5247	448.2660
526.2660	263.6366	4	K	7	748.4563	374.7318
627.3137	314.1605	5	T	6	620.3614	310.6843
684.3352	342.6712	6	G	5	519.3137	260.1605
785.3828	393.1951	7	T	4	462.2922	231.6498
886.4305	443.7189	8	T	3	361.2445	181.1259
999.5146	500.2609	9	L	2	260.1969	130.6021
---	---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYM(Oxidation)SPPAGNR^{+2}



Max Intensity: **3.42**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **86.2%** Matched Series Intensity: **84.8%**



Sequence: SYYM(Oxidation)SPPAGNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H80 N15 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1259.2295	1258.5521	630.1185	629.7797

[–] Peak Matches

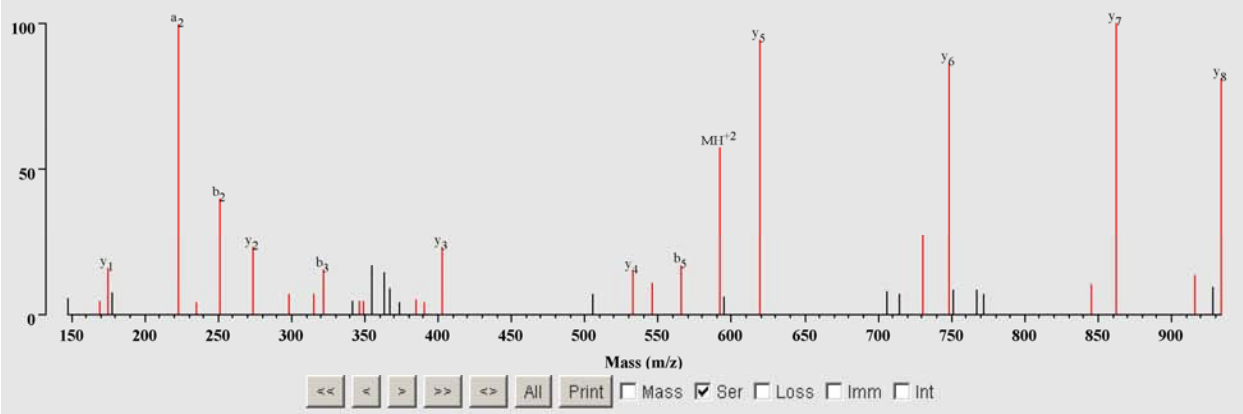
223.1102	251.1003	258.1109	275.1735	289.1607	306.1585	311.0987	314.1647	316.1559	321.0469
a_2(11)	b_2(-9.3)			y_2(-4.1)	y_6^{+2}(-27)	YM(Oxidation)(-23)	M(Oxidation)SP-H_2O(152)		
334.1415	**346.1759**	**364.1532**	**368.1649**	**380.1254**	**386.1633**	**391.1623**	**398.1288**	**409.1829**	**414.1703**
	y_3(-22)		a_3-H_2O(12)	YM(Oxidation)S-H_2O(-5.4)	a_3(-20)	y_8-SOCH$_4^{+2}$(-99)	YM(Oxidation)S(-23)	PPAGN-28(-89)	b_3(10) y_8-H_2O^{+2}(-60)
504.7306	**561.1895**	**572.2801**	**586.2558**	**588.7725**	**594.2467**	**597.7868**	**611.3173**	**620.2472**	**627.7826**
y_9^{+2}(-2.8)	YYM(Oxidation)S(-21) b_4(-21)		y_{10}^{+2}(-13)		y_6-NH_3(-89)	MH-SOCH$_4^{+2}$(10)	y_6(-14)	a_5(14)	
628.2760	**629.7882**	**648.2303**	**680.3320**	**698.3436**	**749.3790**	**781.3631**	**845.4031**	**1004.4808**	**1008.4085**
	MH^{+2}(14)	b_5(-4.8)	y_7-H_2O(-23)	y_7(-21)		y_8-SOCH$_4$(-41)	y_8(11)		y_9(-48)

[–] Main Sequence Ions

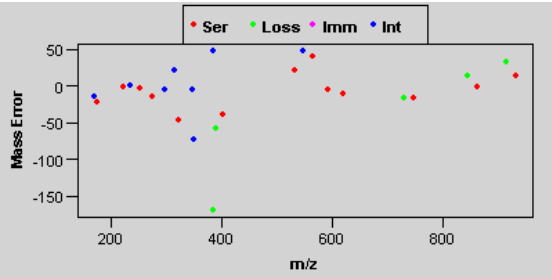
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1171.5201	586.2637
414.1660	3	Y	9	1008.4567	504.7320
561.2014	4	M(Oxidation)	8	845.3934	423.2003
648.2334	5	S	7	698.3580	349.6826
745.2862	6	P	6	611.3260	306.1666
842.3389	7	P	5	514.2732	257.6402
913.3760	8	A	4	417.2205	209.1139
970.3975	9	G	3	346.1833	173.5953
1084.4404	10	N	2	289.1619	145.0846
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYANESEEVR^{+2}



Max Intensity: **2.27**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **86.4%** Matched Series Intensity: **85.9%**



Sequence SYANESEEVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C48 H75 N14 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1184.2117	1183.5226	592.6096	592.2649

[–] **Peak Matches**

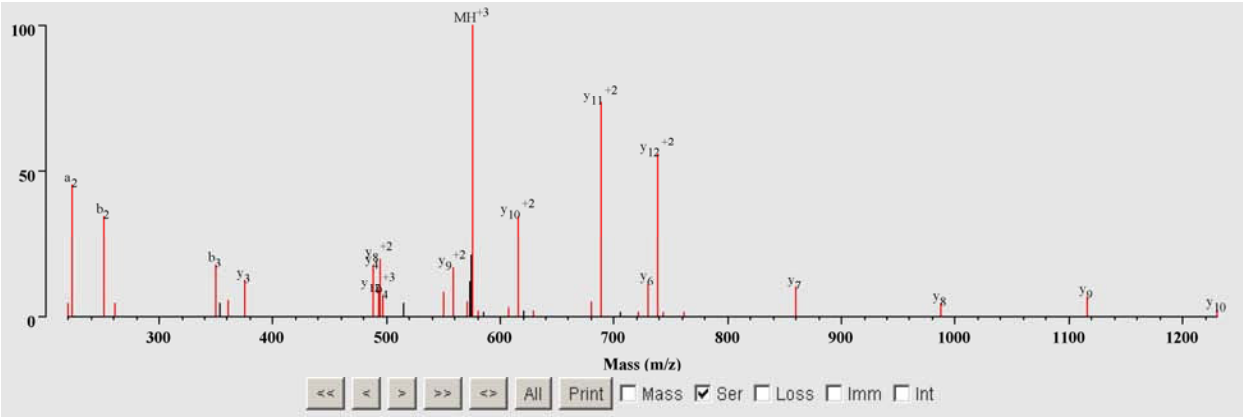
147.0711	169.0584	175.1149	178.0783	223.1074	235.1079	251.1018	274.1836	298.1020	315.1368
	AN-NH_3(-14)	y_1(-23)		a_2(-1.4)	YA(0.77)	b_2(-3.3)	y_2(-14)	ANE-NH_3(-4.6)	ANE(22)
322.1247	**341.1488**	**346.1230**	**349.1249**	**355.0693**	**363.1749**	**367.1178**	**373.1397**	**385.1540**	**390.1540**
b_3(-47)		ESE(-4.3) SEE(-4.3)	YAN(-74)					ANES-NH_3(48) y_3-H_2O(-170)	a_4-H_2O(-59)
403.2140	**505.2645**	**532.2835**	**546.2670**	**565.2485**	**592.2617**	**595.2208**	**619.2976**	**706.3605**	**714.2866**
y_3(-40)		y_4(21)	ESEEV-28(48)	YANES(41) b_5(41)	MH^{+2}(-5.4)		y_5(-11)		
730.3252	**748.3352**	**751.2976**	**767.2906**	**772.3775**	**845.3756**	**862.3881**	**916.4297**	**928.2701**	**933.4393**
y_6-H_2O(-16)	y_6(-16)				y_7-NH_3(14)	y_7(-2.3)	y_8-NH_3(32)		y_8(13)

[–] **Main Sequence Ions**

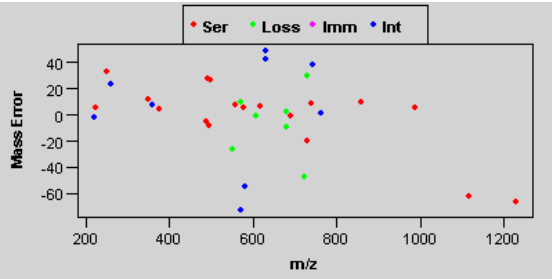
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	1096.4905	548.7489
322.1397	3	A 8	933.4272	467.2172
436.1827	4	N 7	862.3901	431.6987
565.2253	5	E 6	748.3472	374.6772
652.2573	6	S 5	619.3046	310.1559
781.2999	7	E 4	532.2726	266.6399
910.3425	8	E 3	403.2300	202.1186
1009.4109	9	V 2	274.1874	137.5973
---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVFIEKENKIISR^{+3}



Max Intensity: **9.78**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **90.8%** Matched Series Intensity: **88.8%**



Sequence: SYVFIEKENKIISR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C79 H129 N20 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1727.0259	1725.9534	864.0166	863.4803	576.3469	575.9893

[–] **Peak Matches**

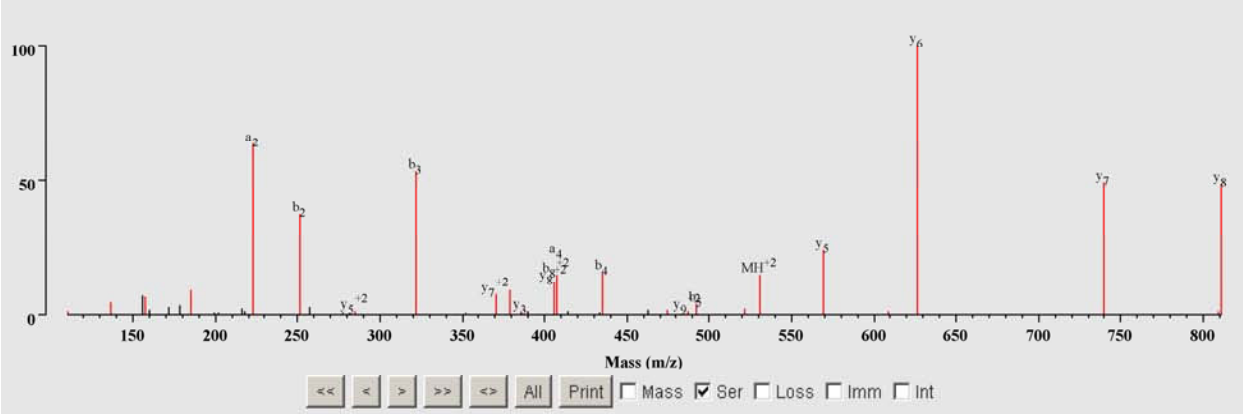
219.1488	223.1089	251.1108	261.1657	350.1752	353.0696	360.2309	375.2366	488.3164	492.6381
VF-28(-1.8)	a_2(5.3)	b_2(33)	FI(23)	b_3(12)		VFI(7.6)	y_3(4.1)	y_4(-5.5)	y_{12}^{+3}(28)
494.2968	**497.2531**	**515.1850**	**549.8027**	**558.3612**	**558.8265**	**570.3191**	**573.2949**	**574.3400**	**575.9923**
y_8^{+2}(-8.3)	b_4(27)		y_9-H_2O^{+2}(-26)		y_9^{+2}(7.7)	MH-NH_3^{+3}(9.3) ENKII-28(-73)			MH^{+3}(5.2)
580.3135	**584.7332**	**606.8502**	**615.3682**	**620.3670**	**629.3564**	**679.8948**	**680.3786**	**688.8982**	**705.3881**
ENKII-H_2O(-55)		y_{10}-NH_3^{+2}(-1.3)	y_{10}^{+2}(6.4)		EKENK(49) FIEKE-H_2O(43)	y_{11}-H_2O^{+2}(2.4)	y_{11}-NH_3^{+2}(-9.7)	y_{11}^{+2}(-0.35)	
721.3219	**729.9410**	**730.4422**	**738.4389**	**743.4003**	**761.3841**	**859.5083**	**987.6004**	**1116.5680**	**1229.6391**
b_6-H_2O(-47)	y_{12}-NH_3^{+2}(30)	y_6(-20)	y_{12}^{+2}(8.5)	FIEKEN-H_2O(38)	FIEKEN(1.7)	y_7(10)	y_8(5.9)	y_9(-62)	y_{10}(-67)

[–] **Main Sequence Ions**

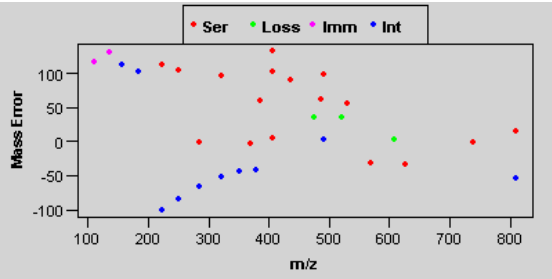
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1638.9214	819.9643
350.1710	---	3	**V**	12	1475.8580	738.4327
497.2395	---	4	**F**	11	1376.7896	688.8985
610.3235	---	5	**I**	10	1229.7212	615.3642
739.3661	---	6	**E**	9	1116.6371	558.8222
867.4611	434.2342	7	**K**	8	987.5946	494.3009
996.5037	498.7555	8	**E**	7	859.4996	430.2534
1110.5466	555.7769	9	**N**	6	730.4570	365.7321
1238.6416	619.8244	10	**K**	5	616.4141	308.7107
1351.7256	676.3665	11	**I**	4	488.3191	244.6632
1464.8097	732.9085	12	**I**	3	375.2350	188.1212
1551.8417	776.4245	13	**S**	2	262.1510	131.5791
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALGALHTK^{+2}



Max Intensity: **8.51**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **94.4%** Matched Series Intensity: **95.7%**



Sequence SYALGALHTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C48 H78 N13 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1061.2334	1060.5786	531.1204	530.7929

[–] Peak Matches

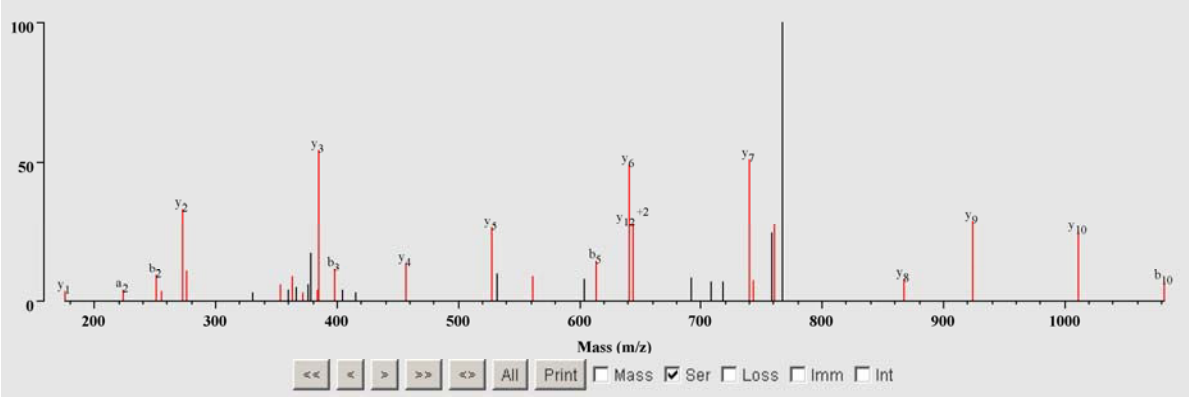
110.0840	136.0934	156.0935	157.1513	160.0884	172.1473	178.0978	185.1473	199.1357	202.1562
H(116)	Y(130)		AL-28(113)				AL(102)		
216.1461	**218.1754**	**223.1327**	**251.1288**	**257.1550**	**277.1400**	**285.1733**	**322.1706**	**352.1827**	**370.2252**
		a_2(112) LH-28(-101)	b_2(104) LH(-85)			y_5^{+2}(-2.2) ALGA-28(-66)	b_3(96) ALH(-52)	LHT(-43)	y_7^{+2}(-4.0)
379.1932	**385.2421**	**390.2462**	**405.7476**	**407.2704**	**414.2411**	**433.2379**	**435.2635**	**462.9703**	**474.2512**
GALH(-41)	y_3(59)		y_8^{+2}(5.8)	b_8^{+2}(133) a_4(102)			b_4(91)		b_5-H_2O(35)
487.3066	**492.2940**	**521.8065**	**530.8219**	**569.3232**	**608.3527**	**626.3414**	**739.4451**	**809.3856**	**810.4942**
y_9^{+2}(61)	b_5(99) LGALH(2.2)	MH-H_2O^{+2}(36)	MH^{+2}(55)	y_5(-31)	y_6-H_2O(2.0)	y_6(-33)	y_7(-1.4)	YALGALHT-H_2O(-55)	y_8(14)

[–] Main Sequence Ions

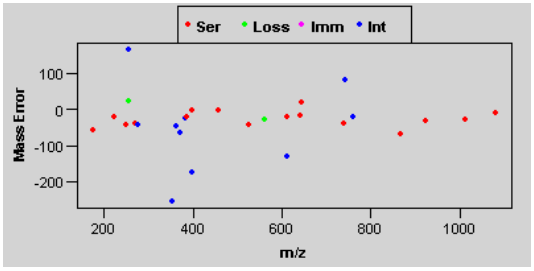
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	973.5465	487.2769
322.1397	---	3	A	8	810.4832	405.7452
435.2238	---	4	L	7	739.4461	370.2267
492.2453	---	5	G	6	626.3620	313.6847
563.2824	---	6	A	5	569.3406	285.1739
676.3665	---	7	L	4	498.3035	249.6554
813.4254	407.2163	8	H	3	385.2194	193.1133
914.4730	457.7402	9	T	2	248.1605	124.5839
---	---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFQSGQVLAALPR^{+2}



Max Intensity: **2.17**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **66.5%** Matched Series Intensity: **65.1%**



Sequence SYFQSGQVLAALPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C70 H110 N19 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1537.7695	1536.8169	769.3885	768.9121

[–] **Peak Matches**

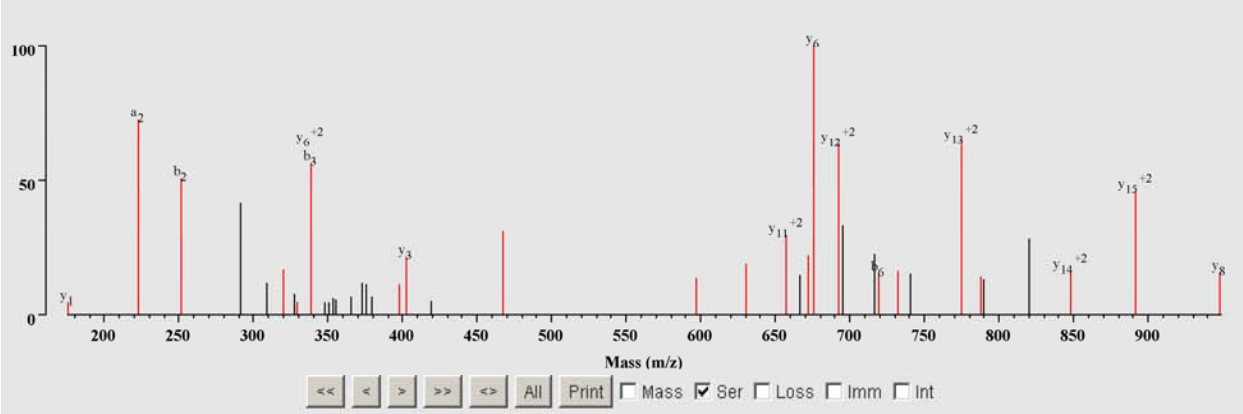
175.1087	223.1031	251.0913	255.1511	272.1609	276.1226	330.1722	353.1279	360.1922	363.1496
y_1(-59)	a_2(-21)	b_2(-45)	QSG-H_2O(166) SGQ-H_2O(166) y_2-NH_3(23)	y_2(-40)	FQ(-42)		AALP(-256)		FQS(-46)
366.1355	**372.1640**	**376.2122**	**378.1883**	**384.1423**	**385.2469**	**398.1704**	**404.2257**	**415.1687**	**456.2908**
	SGQV(-64)			QSGQ-NH_3(-24)	y_3(-23)	b_3(-1.6) GQVL(-174)			y_4(-4.6)
527.3075	**532.2398**	**561.3083**	**604.2399**	**613.2495**	**640.4028**	**643.8758**	**692.3385**	**708.3442**	**718.3551**
y_5(-43)		y_{11}-H_2O^{+2}(-30)		b_5(-20) QSGQVL(-132)	y_6(-18)	y_{12}^{+2}(18)			
739.4521	**743.4340**	**758.3970**	**760.3819**	**766.9210**	**767.4243**	**867.4822**	**924.5336**	**1011.5639**	**1081.5178**
y_7(-41)	FQSGQVL-NH_3(83)		MH-NH_3^{+2}(-22) FQSGQVL(-22)			y_8(-68)	y_9(-31)	y_{10}(-30)	b_{10}(-12)

[–] **Main Sequence Ions**

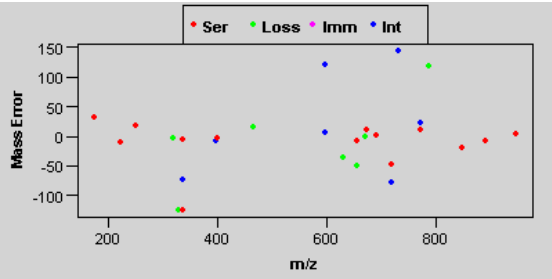
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1449.7849	725.3961
398.1710	3	F	12	1286.7215	643.8644
526.2296	4	Q	11	1139.6531	570.3302
613.2617	5	S	10	1011.5946	506.3009
670.2831	6	G	9	924.5625	462.7849
798.3417	7	Q	8	867.5411	434.2742
897.4101	8	V	7	739.4825	370.2449
1010.4942	9	L	6	640.4141	320.7107
1081.5313	10	A	5	527.3300	264.1686
1152.5684	11	A	4	456.2929	228.6501
1265.6525	12	L	3	385.2558	193.1315
1362.7052	13	P	2	272.1717	136.5895
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFYANNHC(Carbamidomethyl)IGTDLNR^{+3}



Max Intensity: **2.45**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **74.1%** Matched Series Intensity: **73.5%**



Sequence: SYSFYANNHC(Carbamidomethyl)IGTDLNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C87 H127 N26 O29 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2033.0345	2031.8977	1017.0209	1016.4525	678.3498	677.9708

[–] Peak Matches

175.1243	223.1054	251.1072	291.1966	309.2079	320.1228	327.2116	329.1286	338.1324	348.1295
y_1(31)	YS-28(-10) a_2(-10)	YS(18) b_2(18)			b_3-H_2O(-4.1)		y_6-H_2O^{+2}(-124)	b_3(-6.7) NNH-28(-73) y_6^{+2}(-125)	
350.1846	**353.1915**	**355.2080**	**365.1487**	**373.2417**	**375.1991**	**379.2102**	**398.1682**	**402.2449**	**419.1741**
							SFY(-7.2) YSF(-7.2)	y_3(-2.6)	
467.2002	**597.2917**	**630.2326**	**657.2990**	**666.8508**	**671.9666**	**675.3495**	**692.8245**	**695.3581**	**716.3857**
b_4-H_2O(16)	ANNHC(Carbamidomethyl)(120) IGTDLN-NH_3(6.4)	b_5-H_2O(-37)	y_{11}^{+2}(-8.2) y_6-H_2O(-49)		MH-H_2O^{+3}(-0.96)	y_6(11)	y_{12}^{+2}(2.2)		
719.2690	**732.3939**	**740.3871**	**774.3627**	**787.4342**	**789.3929**	**820.4126**	**847.8715**	**891.3974**	**948.4595**
b_6(-48) FYANNH-28(-79)	YANNHC(Carbamidomethyl)-28(144)		C(Carbamidomethyl)IGTDLN(23) y_{13}^{+2}(10)	a_7-H_2O(118)			y_{14}^{+2}(-20)	y_{15}^{+2}(-8.3)	y_8(2.9)

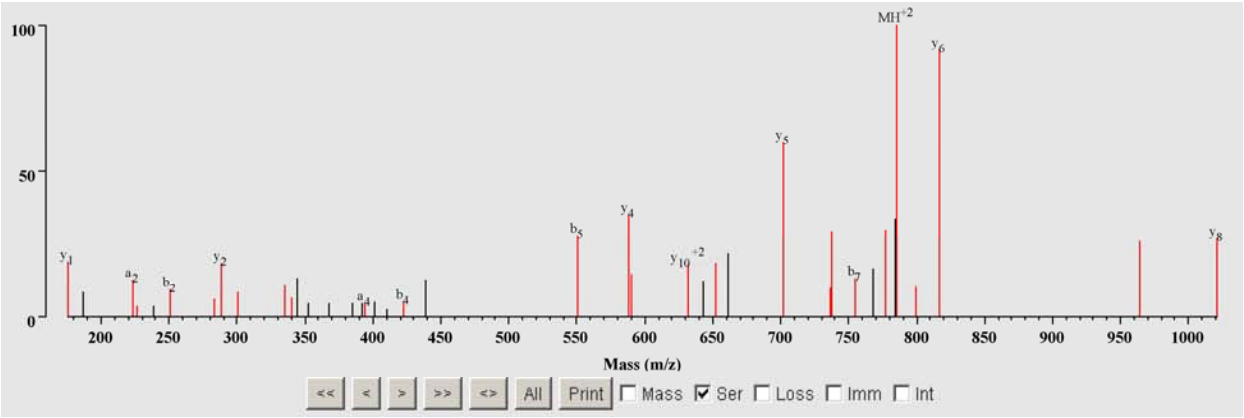
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1944.8657	972.9365
338.1347	---	3	S	15	1781.8024	891.4048
485.2031	---	4	F	14	1694.7704	847.8888
648.2664	---	5	Y	13	1547.7020	774.3546
719.3035	---	6	A	12	1384.6386	692.8229
833.3464	---	7	N	11	1313.6015	657.3044
947.3894	---	8	N	10	1199.5586	600.2829
1084.4483	542.7278	9	H	9	1085.5157	543.2615
1244.4789	622.7431	10	C(Carbamidomethyl)	8	948.4567	474.7320
1357.5630	679.2851	11	I	7	788.4261	394.7167
1414.5845	707.7959	12	G	6	675.3420	338.1747
1515.6321	758.3197	13	T	5	618.3206	309.6639
1630.6591	815.8332	14	D	4	517.2729	259.1401
1743.7431	872.3752	15	L	3	402.2459	201.6266
1857.7861	929.3967	16	N	2	289.1619	145.0846

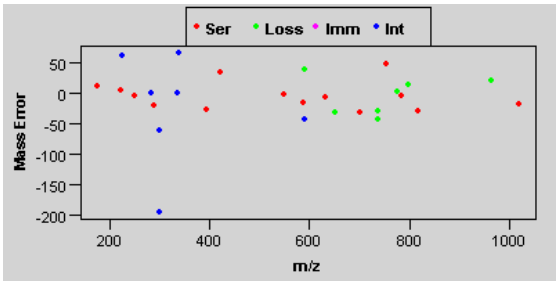
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGNQGFNNNWLR^{+2}



Max Intensity: **0.955**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **80.7%** Matched Series Intensity: **76.7%**



Sequence SYGNQGFNNNWLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H97 N22 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1570.6743	1569.7193	785.8409	785.3633

[–] **Peak Matches**

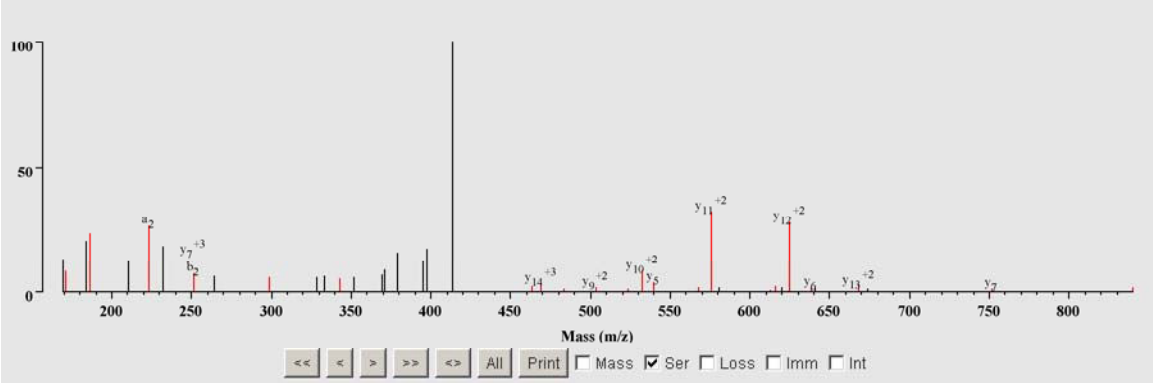
175.1212	187.0711	223.1088	226.0962	239.0866	251.1018	283.1039	288.1974	300.1122	335.1354
y_1(13)		a_2(4.8)	NQ-NH_3(62)		b_2(-3.3)	GNQ-NH_3(0.72) NQG-NH_3(0.72)	y_2(-19)	GNQ(-60) NQG(-60) WL(-195)	YGN(1.2)
340.1478	**344.1817**	**352.1166**	**367.1958**	**385.1261**	**392.1570**	**394.1614**	**401.1582**	**410.1619**	**422.1815**
GNQG-NH_3(67)						a_4(-27)			b_4(34)
439.1995	**550.2252**	**588.3156**	**590.2433**	**631.8017**	**643.2947**	**651.7825**	**660.8027**	**702.3463**	**736.2742**
	b_5(-0.73)	y_4(-16)	b_6-NH_3(39) GNQGFN-28(-42)	y_{10}^{+2}(-5.0)		y_{11}-NH_3^{+2}(-30)		y_5(-31)	b_7-H_2O(-42)
737.2685	**754.3517**	**768.3397**	**776.8532**	**784.3875**	**785.3606**	**799.3964**	**816.3882**	**964.4118**	**1020.4822**
b_7-NH_3(-28)	b_7(48)		MH-NH_3^{+2}(4.1)		MH^{+2}(-3.4)	y_6-NH_3(15)	y_6(-28)	b_9-H_2O(22)	y_8(-18)

[–] **Main Sequence Ions**

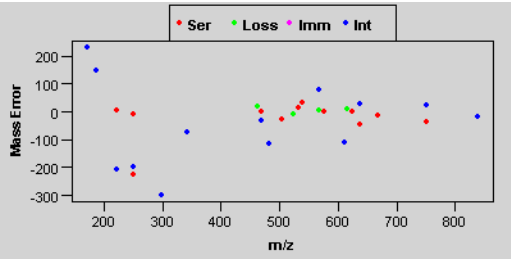
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1482.6873	741.8473
308.1241	3	G	11	1319.6240	660.3156
422.1670	4	N	10	1262.6025	631.8049
550.2256	5	Q	9	1148.5596	574.7834
607.2471	6	G	8	1020.5010	510.7541
754.3155	7	F	7	963.4795	482.2434
868.3584	8	N	6	816.4111	408.7092
982.4013	9	N	5	702.3682	351.6877
1096.4443	10	N	4	588.3253	294.6663
1282.5236	11	W	3	474.2823	237.6448
1395.6076	12	L	2	288.2030	144.6051
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASPSGVRLVGGLHR^{+4}



Max Intensity: **11.0**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **40.1%** Matched Series Intensity: **41.4%**



Sequence SYASPSGVRLVGGLHR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H119 N24 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1656.8965	1655.8976	828.9520	828.4524	552.9705	552.6374	414.9797	414.7299

[–] **Peak Matches**

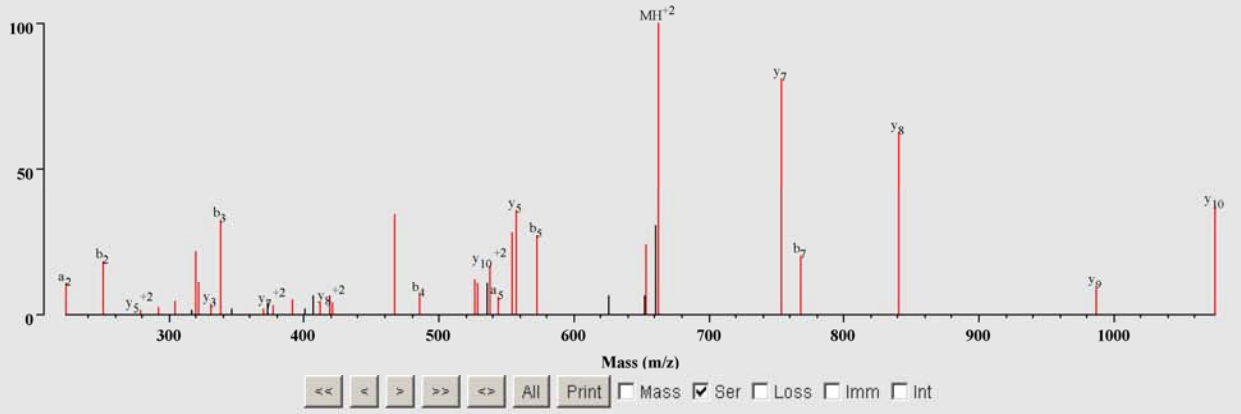
169.1242	171.1524	184.1319	186.1510	210.1275	223.1089	232.1522	251.1003	264.0212	299.1181
	GL(231)		VGG-28(147)		a_2(5.3) LH-28(-208)		b_2(-9.3) LH(-199) y_7^{+3}(-227)		VGGL-28(-300) LVGG-28(-300)
328.1496	**333.1785**	**343.1361**	**352.0744**	**369.1164**	**371.1597**	**379.2252**	**395.2706**	**397.2292**	**413.2560**
		ASPS(-73)							
463.2767	**469.2724**	**483.2478**	**503.8039**	**523.8087**	**532.3357**	**539.3216**	**567.3330**	**575.8447**	**580.8380**
y_{14}-H_2O^{+3}(17)	y_{14}^{+3}(0.28) PSGVR-28(-34)	RLVGG(-116)	y_9^{+2}(-26)	y_{10}-NH_3^{+2}(-11)	y_{10}^{+2}(15)	y_5(31)	SPSGVR-NH_3(78) y_{11}-NH_3^{+2}(4.3)	y_{11}^{+2}(1.5)	
612.3154	**615.8636**	**620.2821**	**624.3711**	**638.3435**	**640.4134**	**667.8768**	**673.3787**	**751.4285**	**839.4944**
SGVRLV(-110)	y_{12}-NH_3^{+2}(11)		y_{12}^{+2}(1.4)	ASPSGVR-NH_3(28) y_6(-47)		y_{13}^{+2}(-14)		ASPSGVRL-NH_3(25) y_7(-38)	SGVRLVGGL(-18) ASPSGVRLV-28(-18)

[–] **Main Sequence Ions**

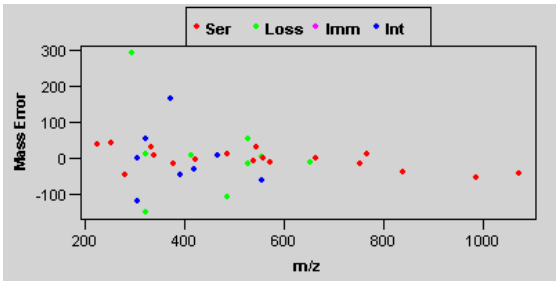
b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1568.8656	784.9364
322.1397	---	3	A	14	1405.8023	703.4048
409.1718	---	4	S	13	1334.7651	667.8862
506.2245	---	5	P	12	1247.7331	624.3702
593.2566	---	6	S	11	1150.6804	575.8438
650.2780	---	7	G	10	1063.6483	532.3278
749.3464	---	8	V	9	1006.6269	503.8171
905.4476	453.2274	9	R	8	907.5584	454.2829
1018.5316	509.7694	10	L	7	751.4573	376.2323
1117.6000	559.3037	11	V	6	638.3733	319.6903
1174.6215	587.8144	12	G	5	539.3049	270.1561
1231.6430	616.3251	13	G	4	482.2834	241.6453
1344.7270	672.8672	14	L	3	425.2619	213.1346
1481.7859	741.3966	15	H	2	312.1779	156.5926
---	---	16	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFSPVPEGVR^{+2}



Max Intensity: **2.92**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **90.1%** Matched Series Intensity: **88.1%**



Sequence: SYSFSPVPEGVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H90 N15 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1325.4727	1324.6532	663.2400	662.8302

[–] Peak Matches

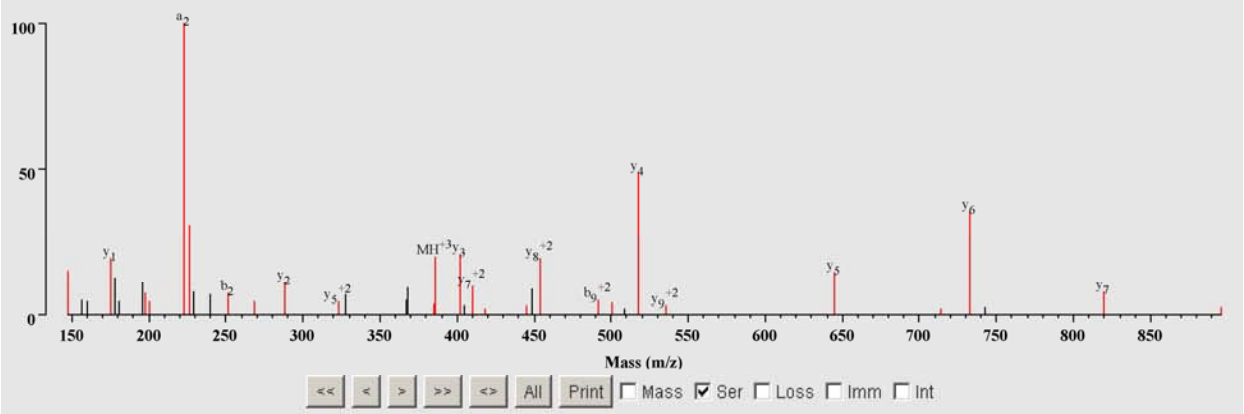
223.1165	251.1130	279.1423	292.2146	304.1287	317.2425	320.1280	322.1564	331.2185	338.1367
YS-28(39) a_2(39)	YS(41) b_2(41)	y_5^{+2}(-48)	a_3-H_2O(292)	SFS-H_2O(-1.6) FSP-28(-121)		b_3-H_2O(12) y_6-NH_3^{+2}(-152)	SFS(52)	y_3(29)	b_3(6.0)
346.2525	**370.2372**	**373.1199**	**377.2094**	**391.1786**	**400.2184**	**407.1643**	**412.2213**	**419.1791**	**420.7306**
	YSF-28(165)		y_7^{+2}(-18)	SFSP-28(-49)			y_8-NH_3^{+2}(5.4)	SFSP(-32)	y_8^{+2}(-4.1)
467.1957	**485.2073**	**526.2569**	**528.7696**	**536.2076**	**537.7778**	**544.2560**	**554.2253**	**557.3042**	**572.2284**
b_4-H_2O(6.8) YSFS-H_2O(6.8)	YSFS(8.7) b_4(8.7) y_9-H_2O^{+2}(-111)	a_5-H_2O(52)	y_{10}-H_2O^{+2}(-15)		y_{10}^{+2}(-8.8)	a_5(29)	b_5-H_2O(1.4) YSFSP-28(-64)	y_5(0.024)	b_5(-12)
626.2884	**652.2535**	**653.8158**	**660.3171**	**662.8291**	**753.4127**	**768.3628**	**840.4252**	**987.4715**	**1074.5109**
		MH-H_2O^{+2}(-14)		MH^{+2}(-1.7)	y_7(-17)	b_7(8.5)	y_8(-38)	y_9(-55)	y_{10}(-44)

[–] Main Sequence Ions

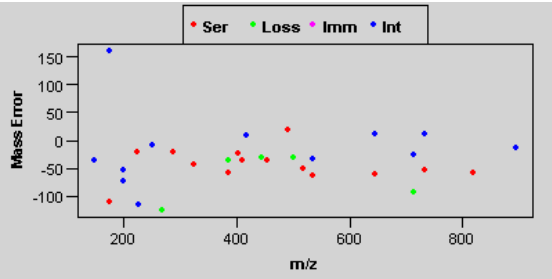
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1237.6212	619.3142
338.1347	3	S	10	1074.5578	537.7826
485.2031	4	F	9	987.5258	494.2665
572.2351	5	S	8	840.4574	420.7323
669.2879	6	P	7	753.4254	377.2163
768.3563	7	V	6	656.3726	328.6899
865.4090	8	P	5	557.3042	279.1557
994.4516	9	E	4	460.2514	230.6293
1051.4731	10	G	3	331.2088	166.1081
1150.5415	11	V	2	274.1874	137.5973
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSSKDNIR^{+3}



Max Intensity: **13.2**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **81.9%** Matched Series Intensity: **82.2%**



Sequence SYSSSKDNIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C47 H78 N15 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1157.2326	1156.5593	579.1200	578.7833	386.4158	386.1913

[–] **Peak Matches**

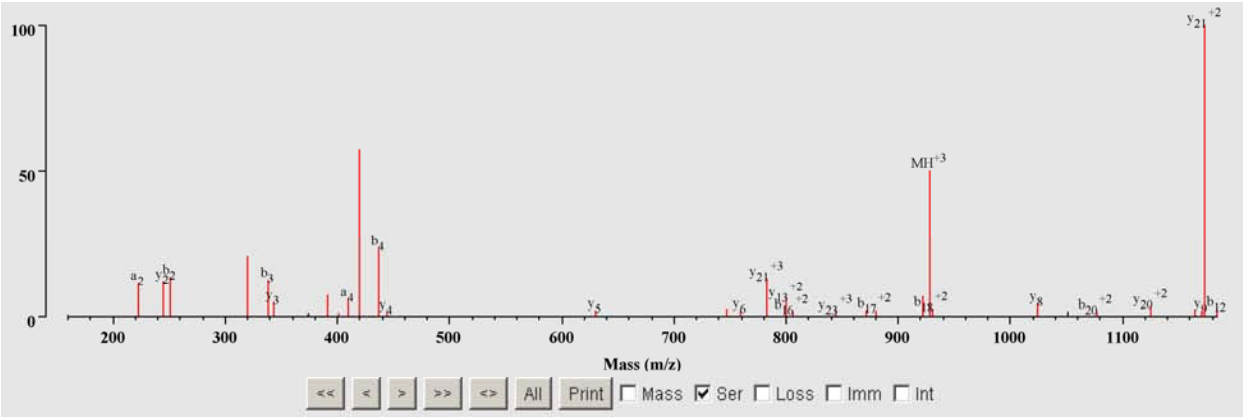
147.0710	156.1014	160.0733	175.0996	178.0851	181.0845	196.0819	198.1133	200.1245	223.1028
SS-28(-37)			SS(161) y_1(-111)				SK-H_2O(-53)	NI-28(-74)	YS-28(-22) a_2(-22)
226.0926	**229.0521**	**240.1094**	**251.1004**	**268.1061**	**288.1970**	**323.1735**	**328.0970**	**367.1965**	**368.2146**
KD-H_2O(-115)			b_2(-8.9) YS(-8.9)	y_7-NH_3^{+3}(-126)	y_2(-21)	y_5^{+2}(-44)			
385.2061	**386.1689**	**402.2362**	**404.7009**	**410.2045**	**418.1976**	**444.7169**	**448.2143**	**453.7190**	**491.7368**
y_3-NH_3(-35)	MH^{+3}(-58)	y_3(-24)		y_7^{+2}(-37)	SSKD(10)	y_8-H_2O^{+2}(-30)		y_8^{+2}(-37)	b_9^{+2}(19)
500.2306	**508.7181**	**517.2470**	**535.2330**	**645.3278**	**714.3229**	**732.3611**	**742.3662**	**819.3842**	**895.4027**
y_4-NH_3(-31)		y_4(-50)	YSSSK-H_2O(-34) y_9^{+2}(-64)	SSKDNI(12) y_5(-62)	SSSKDNI-H_2O(-26) y_6-H_2O(-93)	SSSKDNI(12) y_6(-53)		y_7(-58)	YSSSKDNI(-14)

[–] **Main Sequence Ions**

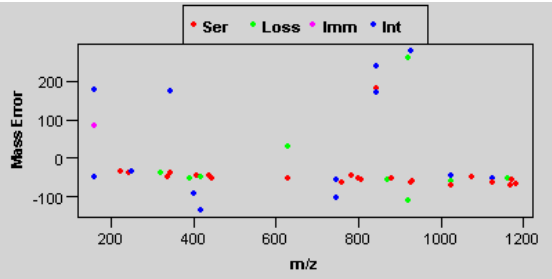
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1069.5273	535.2673
338.1347	---	3	S	8	906.4639	453.7356
425.1667	---	4	S	7	819.4319	410.2196
512.1987	---	5	S	6	732.3999	366.7036
640.2937	320.6505	6	K	5	645.3678	323.1876
755.3206	378.1640	7	D	4	517.2729	259.1401
869.3636	435.1854	8	N	3	402.2459	201.6266
982.4476	491.7274	9	I	2	288.2030	144.6051
---	---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVPPSASHVAPTETFTYEWTVPK^{+3}



Max Intensity: **947**
Num Matched: **32/34 (5.9% unmatched)** Matched Intensity: **99.2%** Matched Series Intensity: **99.1%**



Sequence SYSVPPSASHVAPTETFTYEWTVPK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C129 H186 N29 O40

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2783.0857	2781.3406	1392.0466	1391.1740	928.3669	927.7851

[–] Peak Matches

159.1049	223.1000	244.1562	251.0944	320.1116	338.1183	343.2206	374.1622	391.1766	401.1656
SA(179) AS(179) W(83) SV-28(-50)	YS-28(-35) a_2(-35)	y_2(-38)	b_2(-33) YS(-33)	b_3-H_2O(-39)	b_3(-48)	PSAS(173) y_3(-39)		a_4-H_2O(-54)	PTET-28(-93)
409.1892	**419.1717**	**437.1831**	**444.2580**	**630.3277**	**747.3375**	**759.3563**	**782.3495**	**799.8482**	**806.3412**
a_4(-46)	b_4-H_2O(-50) YSVP-28(-136)	b_4(-46)	y_4(-53)	y_{16}-NH_3^{+3}(30) y_5(-53)	PPSASHVA(-55) PSASHVAP(-55) VPPSASHV-28(-103)	y_6(-62)	y_{21}^{+3}(-47)	y_{13}^{+2}(-53)	b_{16}^{+2}(-56)
844.5746	**870.8649**	**879.8726**	**921.6795**	**927.7269**	**930.3890**	**1023.4414**	**1051.4358**	**1076.4456**	**1124.4797**
TETFTYE-28(240) y_{23}^{+3}(183) PPSASHVAP(170) SVPPSASHV-H_2O(170)	b_{17}-H_2O^{+2}(-58)	b_{17}^{+2}(-54)	b_{18}-H_2O^{+2}(261) MH-H_2O^{+3}(-111)	PPSASHVAPT-H_2O(279) MH^{+3}(-63)	b_{18}^{+2}(-59)	ASHVAPTETF-H_2O(-47) y_{18}-H_2O^{+2}(-59) y_8(-71)		b_{20}^{+2}(-48)	ASHVAPTETFT-H_2O(-51) y_{20}^{+2}(-62)
1164.0079	**1170.5004**	**1173.0078**	**1183.4940**						
y_{21}-H_2O^{+2}(-54)	y_9(-71)	y_{21}^{+2}(-58)	b_{12}(-68)						

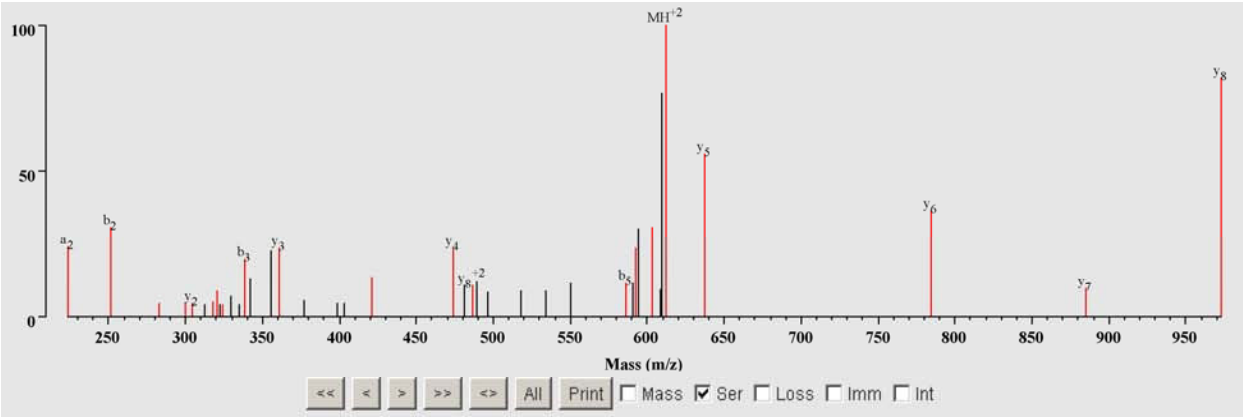
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	25	---	---
251.1026	---	2	Y	24	2694.3086	1347.6579
338.1347	---	3	S	23	2531.2453	1266.1263
437.2031	---	4	V	22	2444.2133	1222.6103
534.2558	---	5	P	21	2345.1448	1173.0761
631.3086	---	6	P	20	2248.0921	1124.5497
718.3406	---	7	S	19	2151.0393	1076.0233
789.3777	---	8	A	18	2064.0073	1032.5073
876.4098	---	9	S	17	1992.9702	996.9887
1013.4687	507.2380	10	H	16	1905.9381	953.4727
1112.5371	556.7722	11	V	15	1768.8792	884.9433
1183.5742	592.2907	12	A	14	1669.8108	835.4090
1280.6270	640.8171	13	P	13	1598.7737	799.8905
1381.6747	691.3410	14	T	12	1501.7209	751.3641
1510.7172	755.8623	15	E	11	1400.6733	700.8403

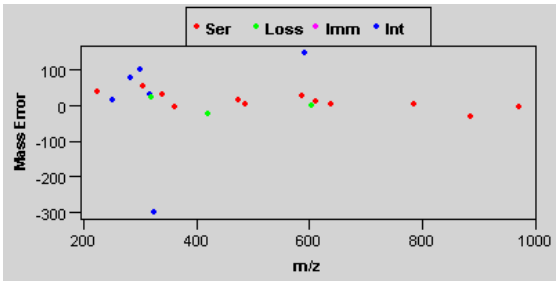
1611.7649	806.3861	16	**T**	10	1271.6307	636.3190
1758.8333	879.9203	17	**F**	9	1170.5830	585.7951
1859.8810	930.4441	18	**T**	8	1023.5146	512.2609
2022.9443	1011.9758	19	**Y**	7	922.4669	461.7371
2151.9869	1076.4971	20	**E**	6	759.4036	380.2054
2338.0663	1169.5368	21	**W**	5	630.3610	315.6841
2439.1139	1220.0606	22	**T**	4	444.2817	222.6445
2538.1823	1269.5948	23	**V**	3	343.2340	172.1206
2635.2351	1318.1212	24	**P**	2	244.1656	122.5864
---	---	25	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTFYLGER^{+2}



Max Intensity: **2.81**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **67.3%** Matched Series Intensity: **60.8%**



Sequence SYSTFYLGER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C56 H80 N13 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1223.3356	1222.5739	612.1715	611.7906

[–] **Peak Matches**

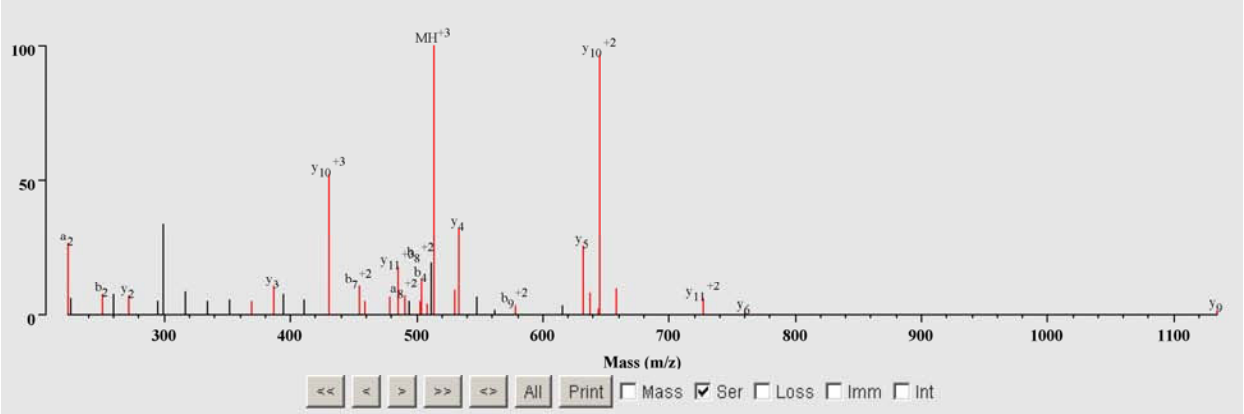
223.1165	**251.1070**	**283.1665**	**300.1855**	**304.1782**	**312.1473**	**318.1551**	**320.1314**	**322.1869**	**324.0582**
YS-28(39) a_2(39)	b_2(17) YS(17)	FY-28(79)	LGE(100)	y_2(55)		STF-H_2O(32)	b_3-H_2O(23)		YST-28(-300)
329.1823	**335.2073**	**338.1454**	**342.1860**	**355.0813**	**361.1812**	**377.1598**	**398.1857**	**403.1678**	**421.1616**
		b_3(32)			y_3(-5.0)				b_4-H_2O(-24)
474.2754	**480.7379**	**486.7449**	**488.8058**	**496.1690**	**518.1902**	**534.2109**	**550.2356**	**586.2677**	**590.2662**
y_4(18)		y_8^{+2}(4.1)						b_5(29)	
592.3650	**593.7755**	**602.7846**	**608.9646**	**609.3687**	**611.7983**	**637.3330**	**784.4030**	**885.4189**	**972.4751**
FYLGE-H_2O(149)		MH-H_2O^{+2}(-1.2)			MH^{+2}(13)	y_5(4.1)	y_6(5.3)	y_7(-31)	y_8(-3.5)

[–] **Main Sequence Ions**

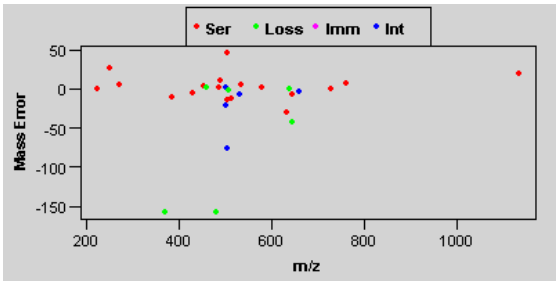
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	1135.5419	568.2746
338.1347	3	S 8	972.4785	486.7429
439.1823	4	T 7	885.4465	443.2269
586.2508	5	F 6	784.3988	392.7030
749.3141	6	Y 5	637.3304	319.1688
862.3981	7	L 4	474.2671	237.6372
919.4196	8	G 3	361.1830	181.0951
1048.4622	9	E 2	304.1615	152.5844
---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYRPYLKVFNPR^{+3}



Max Intensity: **19.9**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **79.8%** Matched Series Intensity: **75.5%**



Sequence SYRPYLKVFNPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C73 H111 N20 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1540.8194	1539.8431	770.9134	770.4252	514.2781	513.9525

[–] **Peak Matches**

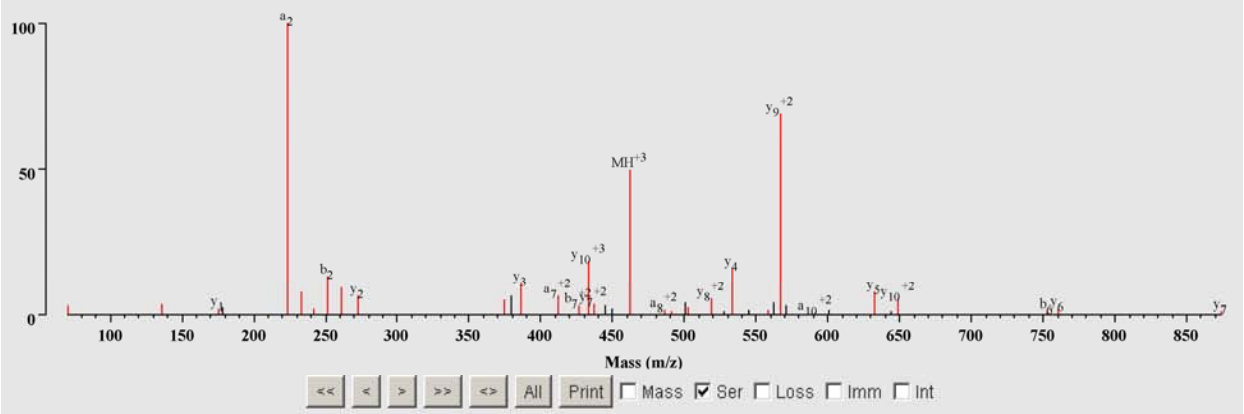
223.1075	226.0004	251.1093	260.0210	272.1731	295.1394	299.1492	316.1770	334.0618	352.0531
a_2(-0.98)		b_2(27)		y_2(5.1)					
369.1296	**386.2104**	**394.0781**	**411.2308**	**430.5850**	**454.7550**	**459.2361**	**479.1913**	**484.9427**	**490.2946**
y_3-NH_3(-158)	y_3(-11)			y_{10}^{+3}(-5.6)	b_7^{+2}(4.2)	a_4-NH_3(2.3)	y_{11}-NH_3^{+3}(-157)	y_{11}^{+3}(1.7)	a_8^{+2}(9.7)
494.2568	**502.3032**	**504.2798**	**507.9481**	**511.2445**	**513.9464**	**530.3048**	**533.2855**	**547.3290**	**562.2793**
	PYLK(1.6) RPYL-28(-21)	b_4(46) b_8^{+2}(-15) YLKV(-76)	MH-H_2O^{+3}(-1.8)		MH^{+3}(-12)	RPYL(-7.1)	y_4(4.6)		
577.8221	**615.8589**	**632.3323**	**636.8643**	**643.8211**	**645.3733**	**658.4016**	**726.9092**	**760.4521**	**1133.6682**
b_9^{+2}(1.1)		y_5(-30)	y_{10}-NH_3^{+2}(0.13)	b_{10}+H_2O^{+2}(-42)	y_{10}^{+2}(-6.5)	RPYLK(-2.9)	y_{11}^{+2}(0.064)	y_6(7.5)	y_9(19)

[–] **Main Sequence Ions**

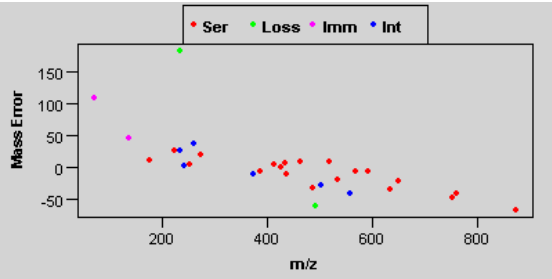
b	b^{+2}			y	y^{+2}
---	---	1	S 12	---	---
251.1026	---	2	Y 11	1452.8110	726.9092
407.2037	204.1055	3	R 10	1289.7477	645.3775
504.2565	252.6319	4	P 9	1133.6466	567.3269
667.3198	334.1636	5	Y 8	1036.5938	518.8006
780.4039	390.7056	6	L 7	873.5305	437.2689
908.4989	454.7531	7	K 6	760.4464	380.7269
1007.5673	504.2873	8	V 5	632.3515	316.6794
1154.6357	577.8215	9	F 4	533.2831	267.1452
1268.6786	634.8429	10	N 3	386.2146	193.6110
1365.7314	683.3693	11	P 2	272.1717	136.5895
---	---	12	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYPYLKVFNPR^{+3}



Max Intensity: **22.1**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **92.0%** Matched Series Intensity: **90.7%**



Sequence SYPYLKVFNPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C67 H99 N16 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1384.6308	1383.7419	692.8191	692.3746	462.2152	461.9188

[–] Peak Matches

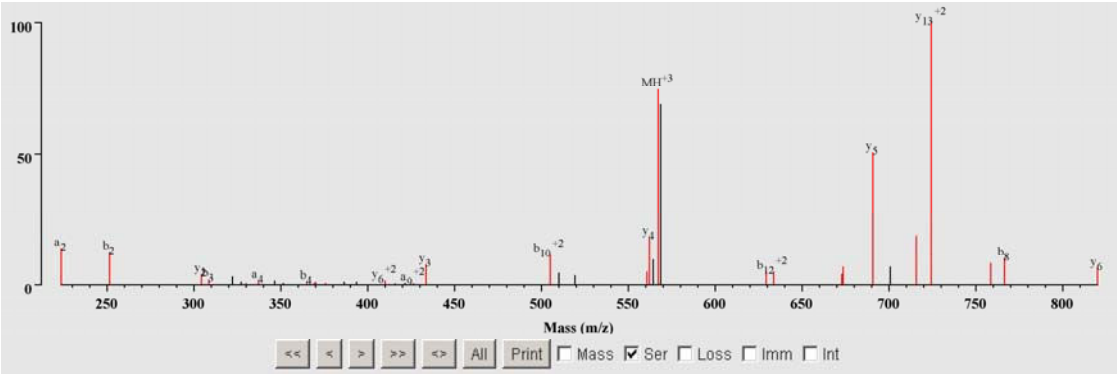
70.0727	136.0821	175.1208	178.0930	223.1138	233.1347	242.1869	251.1040	261.1329	272.1772
P(108) R(108)	Y(47)	y_1(11)		a_2(27)	b_2-H_2O(183) PY-28(27) YP-28(27)	LK(2.5)	b_2(5.4)	PY(37) YP(37)	y_2(20)
374.2034	**379.2278**	**386.2123**	**412.2411**	**426.2370**	**432.9108**	**437.2642**	**445.2170**	**449.7159**	**461.9232**
PYL(-11)		y_3(-6.1)	a_7^{+2}(4.5)	b_7^{+2}(0.65)	y_{10}^{+3}(6.1)	y_7^{+2}(-11)			MH^{+3}(9.5)
485.7576	**491.2281**	**500.2542**	**502.2885**	**518.8050**	**527.8231**	**533.2735**	**545.2789**	**558.3167**	**562.3025**
a_8^{+2}(-33)	b_8-NH_3^{+2}(-60)		PYLK(-28)	y_8^{+2}(8.6)		y_4(-18)		KVFNP-28(-41)	
567.3233	**571.3026**	**591.3179**	**600.3261**	**632.3301**	**643.8159**	**648.8451**	**752.3616**	**760.4157**	**873.4719**
y_9^{+2}(-6.4)		a_{10}^{+2}(-5.8)		y_5(-34)		y_{10}^{+2}(-21)	b_6(-48)	y_6(-40)	y_7(-67)

[–] Main Sequence Ions

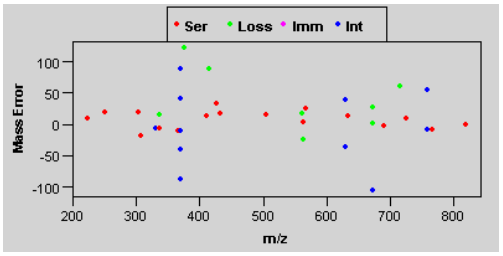
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1296.7099	648.8586
348.1554	---	3	P 9	1133.6466	567.3269
511.2187	---	4	Y 8	1036.5938	518.8006
624.3028	---	5	L 7	873.5305	437.2689
752.3978	376.7025	6	K 6	760.4464	380.7269
851.4662	426.2367	7	V 5	632.3515	316.6794
998.5346	499.7709	8	F 4	533.2831	267.1452
1112.5775	556.7924	9	N 3	386.2146	193.6110
1209.6303	605.3188	10	P 2	272.1717	136.5895
---	---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGKSGELEQEEER^{+3}



Max Intensity: **22.8**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **78.3%** Matched Series Intensity: **74.0%**



Sequence SYGGKSGELEQEEER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H109 N20 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1698.7509	1697.7613	849.8792	849.3843	566.9219	566.5920

[–] **Peak Matches**

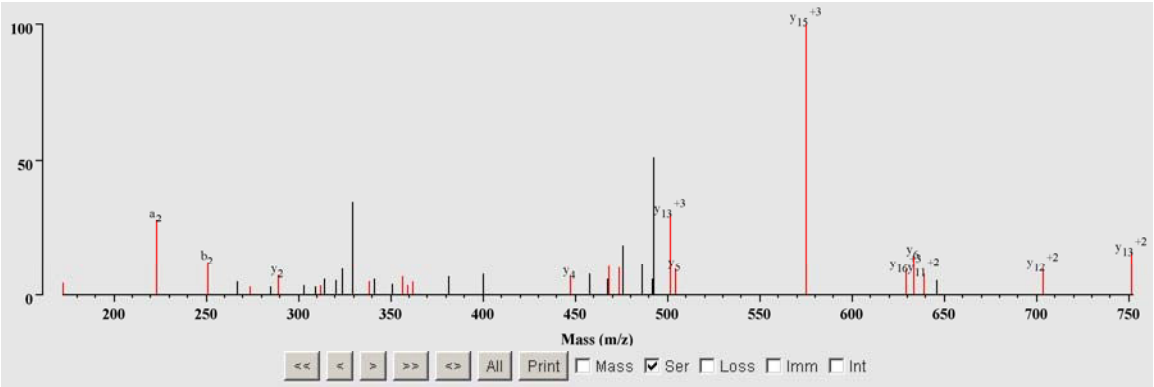
223.1096	251.1072	304.1673	308.1187	322.1344	327.2014	330.1752	337.1480	346.1737	351.1666
a_2(8.4)	b_2(18)	y_2(19)	b_3(-18)			GGKS(-6.0) GKSG(-6.0)	y_5-NH_3^{+2}(15) a_4(-7.8)		
365.1415	**369.1732**	**370.1395**	**375.2046**	**386.2132**	**393.2183**	**410.1827**	**415.2302**	**421.1822**	**426.2303**
b_4(-11)	EQE-H_2O(89) QEE-H_2O(89) SGEL-H_2O(-9.9) GGKSG-H_2O(-40)	EEE-H_2O(41) EQE-NH_3(41) QEE-NH_3(41) GGKSG-NH_3(-88)	b_8-NH_3^{+2}(122)			y_6^{+2}(12)	y_3-H_2O(88)		a_9^{+2}(32)
433.2114	**504.7430**	**510.0663**	**519.1007**	**560.5977**	**562.2483**	**564.3128**	**566.6063**	**568.3131**	**629.3025**
y_3(17)	b_{10}^{+2}(15)			MH-H_2O^{+3}(17)	y_4(2.8) b_6-H_2O(-24)		MH^{+3}(25)		LEQEE(39) ELEQE(39) GGKSGEL(-36)
633.2944	**672.3125**	**673.2799**	**690.3036**	**700.3589**	**715.3752**	**724.3432**	**758.3610**	**766.3292**	**819.3475**
b_{12}^{+2}(13)	y_5-H_2O(26)	y_5-NH_3(1.7) GKSGELE-28(-106)	y_5(-2.4)		y_{13}-H_2O^{+2}(61)	y_{13}^{+2}(9.2)	ELEQEE(54) LEQEEE(54) GGKSGELE(-9.1)	b_8(-9.7)	y_6(-0.49)

[–] **Main Sequence Ions**

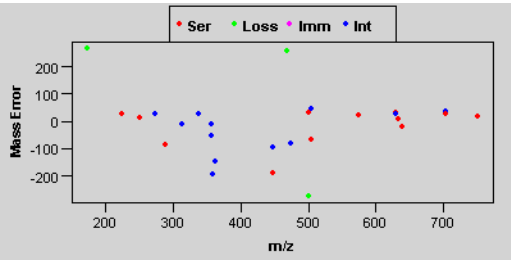
b	b^{+2}			y	y^{+2}
---	---	1	S 15	---	---
251.1026	---	2	Y 14	1610.7293	805.8683
308.1241	---	3	G 13	1447.6659	724.3366
365.1456	---	4	G 12	1390.6445	695.8259
493.2405	247.1239	5	K 11	1333.6230	667.3151
580.2726	290.6399	6	S 10	1205.5281	603.2677
637.2940	319.1506	7	G 9	1118.4960	559.7516
766.3366	383.6719	8	E 8	1061.4746	531.2409
879.4207	440.2140	9	L 7	932.4320	466.7196
1008.4633	504.7353	10	E 6	819.3479	410.1776
1136.5218	568.7646	11	Q 5	690.3053	345.6563
1265.5644	633.2859	12	E 4	562.2467	281.6270
1394.6070	697.8072	13	E 3	433.2041	217.1057
1523.6496	762.3284	14	E 2	304.1615	152.5844
---	---	15	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGYPEEKKEEEGSANR^{+4}



Max Intensity: **4.30**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **60.2%** Matched Series Intensity: **60.2%**



Sequence SYGYPEEKKEEEGSANR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C83 H126 N23 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1974.0603	1972.8883	987.5338	986.9478	658.6917	658.3009	494.2706	493.9775

[–] **Peak Matches**

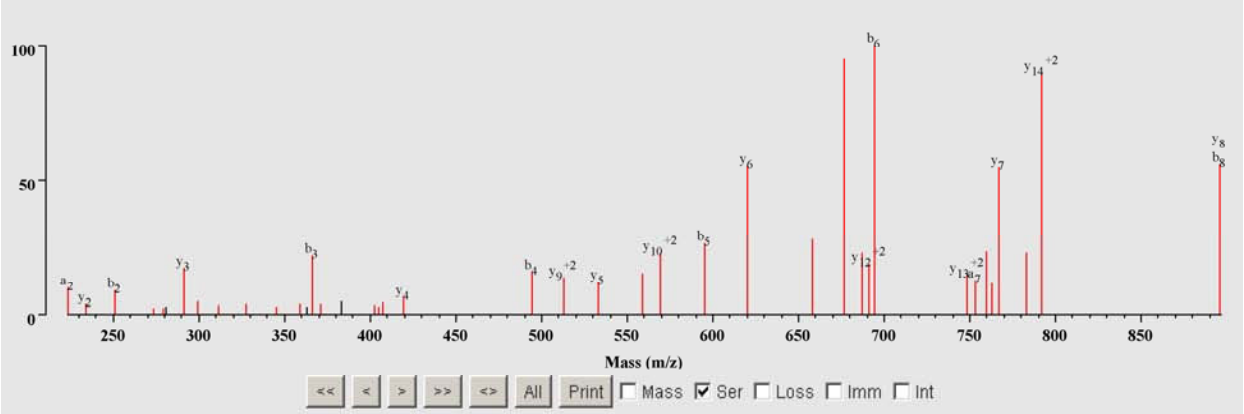
172.1360	223.1139	251.1057	267.0998	274.1110	285.0998	289.1360	303.1381	309.1414	312.1275
y_3-NH_3^{+2}(268)	a_2(28)	b_2(12)		EGS(28)		y_2(-89)			GSAN-H_2O(-8.8)
314.1407	**320.1245**	**324.1779**	**329.1905**	**338.1445**	**341.0610**	**351.1134**	**356.1416**	**359.1219**	**362.1182**
				PEE-H_2O(29)			PEE(-10) YGY-28(-53)	KEE-28(-197) EEK-28(-197)	YPE-28(-146)
381.1369	**400.0761**	**447.1449**	**458.0924**	**467.5563**	**468.0841**	**474.1440**	**476.1443**	**486.0707**	**491.7438**
		GYPE(-95) y_4(-192)			y_{16}-NH_3^{+4}(259)	EEGSA(-82)			
492.2056	**501.5896**	**504.2172**	**574.9475**	**629.3110**	**633.2996**	**638.7967**	**646.3329**	**703.3504**	**751.8690**
	y_{13}^{+3}(31) y_9-NH_3^{+2}(-276)	EEEGS-28(47) y_5(-70)	y_{15}^{+3}(20)	y_{16}^{+3}(33) YPEEK-H_2O(29)	y_6(7.2)	y_{11}^{+2}(-21)		KEEEGSA-28(35) y_{12}^{+2}(27)	y_{13}^{+2}(15)

[–] **Main Sequence Ions**

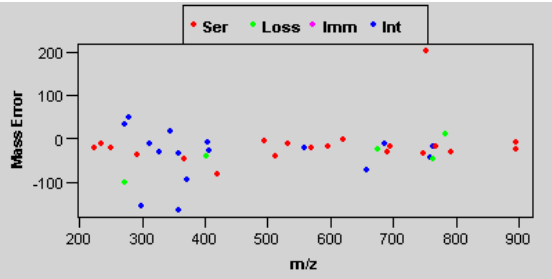
b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1885.8563	943.4318
308.1241	---	3	G	15	1722.7929	861.9001
471.1874	---	4	Y	14	1665.7715	833.3894
568.2402	---	5	P	13	1502.7081	751.8577
697.2828	---	6	E	12	1405.6554	703.3313
826.3254	---	7	E	11	1276.6128	638.8100
954.4203	477.7138	8	K	10	1147.5702	574.2887
1082.5153	541.7613	9	K	9	1019.4752	510.2413
1211.5579	606.2826	10	E	8	891.3803	446.1938
1340.6005	670.8039	11	E	7	762.3377	381.6725
1469.6431	735.3252	12	E	6	633.2951	317.1512
1526.6645	763.8359	13	G	5	504.2525	252.6299
1613.6966	807.3519	14	S	4	447.2310	224.1191
1684.7337	842.8705	15	A	3	360.1990	180.6031
1798.7766	899.8919	16	N	2	289.1619	145.0846
---	---	17	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDQTVSDNELQEM(Oxidation)SNQGSK^{+3}



Max Intensity: **3.23**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **98.7%** Matched Series Intensity: **98.7%**



Sequence: SYDQTVSDNELQEM(Oxidation)SNQGSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C90 H143 N26 O41 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2277.1914	2275.9619	1139.0994	1138.4846	759.7354	759.3255

[–] Peak Matches

223.1031	234.1423	251.0973	273.1283	279.1112	281.0437	291.1551	299.0523	311.1672	327.1197
a_2(-21)	y_2(-11)	YD-28(-21) b_2(-21)	QGS(33) y_3-H_2O(-100)	YD(49)		y_3(-38)	SDN-H_2O(-155)	QTV-H_2O(-13)	DQT-H_2O(-31)
345.1464	**359.1080**	**363.1695**	**366.1119**	**371.1567**	**383.1504**	**402.1826**	**405.1397**	**407.1445**	**419.1899**
DQT(17)	DNE(-33) SNQG-28(-165) NQGS-28(-165)		b_3(-48)	LQE(-96) ELQ(-96)		y_4-NH_3(-39)	QEM(Oxidation)(-10)	YDQ(-29)	y_4(-83)
494.1858	**512.7020**	**533.2622**	**559.2248**	**569.2522**	**595.2254**	**620.2991**	**658.2574**	**676.2768**	**687.2870**
b_4(-4.8)	y_9^{+2}(-39)	y_5(-11)	SDNEL(-20)	y_{10}^{+2}(-21)	b_5(-18)	y_6(-1.2)	VSDNEL(-71)	YDQTVS-H_2O(-25) b_6-H_2O(-25)	SDNELQ(-11)
690.7853	**694.2919**	**748.2938**	**753.4935**	**759.3174**	**763.2896**	**767.3220**	**783.3301**	**791.8115**	**896.3545**
y_{12}^{+2}(-31)	YDQTVS(-18) b_6(-18)	y_{13}^{+2}(-35)	a_7(202)	TVSDNEL(-45)	QEM(Oxidation)SNQG-28(-19) b_7-H_2O(-47)	y_7(-17)	y_{14}-NH_3^{+2}(9.3)	y_{14}^{+2}(-31)	b_8(-9.7) y_8(-26)

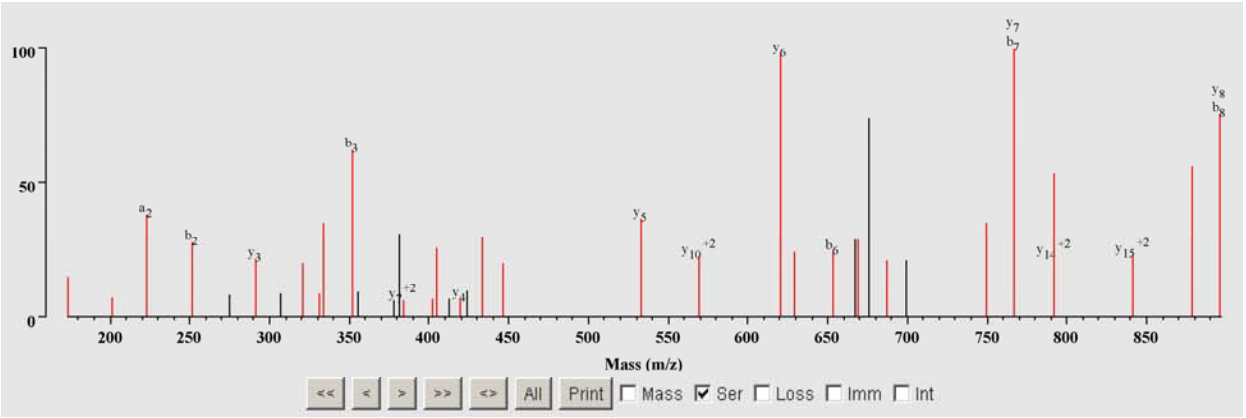
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	20 ---	---
251.1026	2	Y	19 2188.9299	1094.9686
366.1296	3	D	18 2025.8666	1013.4369
494.1882	4	Q	17 1910.8396	955.9235
595.2358	5	T	16 1782.7810	891.8942
694.3042	6	V	15 1681.7334	841.3703
781.3363	7	S	14 1582.6650	791.8361
896.3632	8	D	13 1495.6329	748.3201
1010.4061	9	N	12 1380.6060	690.8066
1139.4487	10	E	11 1266.5631	633.7852
1252.5328	11	L	10 1137.5205	569.2639
1380.5914	12	Q	9 1024.4364	512.7218
1509.6340	13	E	8 896.3778	448.6925
1656.6694	14	M(Oxidation)	7 767.3352	384.1713
1743.7014	15	S	6 620.2998	310.6536
1857.7443	16	N	5 533.2678	267.1375
1985.8029	17	Q	4 419.2249	210.1161

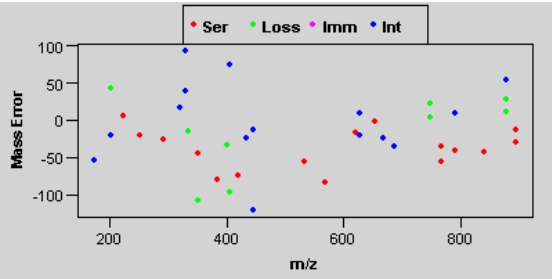
2042.8244	18	**G**	3	291.1663	146.0868
2129.8564	19	**S**	2	234.1448	117.5761
---	20	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTVSDNELQEM(Oxidation)SNQGSK^{+3}



Max Intensity: **0.724**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **80.7%** Matched Series Intensity: **80.7%**



Sequence SYTVSDNELQEM(Oxidation)SNQGSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C81 H130 N23 O36 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2033.9707	2032.8764	1017.4890	1016.9418	678.6618	678.2970

[–] Peak Matches

173.1191	201.1192	223.1088	251.0973	275.0965	291.1583	307.1182	321.1283	331.1378	334.1346
TV-28(-54)	y_4-H_2O^{+2}(42) TV(-21)	a_2(4.8)	b_2(-21)		y_3(-27)		M(Oxidation)SN-28(17)	M(Oxidation)SN-H_2O(93) DNE-28(39)	b_3-H_2O(-15)
352.1343	**355.1192**	**378.2030**	**381.0708**	**384.1404**	**402.1845**	**405.1740**	**412.2002**	**419.1938**	**424.1500**
b_3(-45) y_7-$SOCH_4^{+2}$(-107)				y_7^{+2}(-80)	y_4-NH_3(-34)	QEM(Oxidation)(74) a_4-H_2O(-97)		y_4(-74)	
433.1979	**446.1456**	**533.2382**	**569.2161**	**620.2897**	**629.2467**	**653.2767**	**666.9484**	**669.2677**	**675.8363**
b_4-H_2O(-24) YTVS-H_2O(-24)	SDNE(-14) SNQGS-28(-121)	y_5(-56)	y_{10}^{+2}(-84)	y_6(-16)	TVSDNE-NH_3(8.6) ELQEM(Oxidation)-H_2O(-21)	b_6(-1.5)		SDNELQ-H_2O(-24)	
676.3015	**687.2696**	**699.2744**	**749.3272**	**767.2932**	**791.8036**	**792.3123**	**841.3350**	**878.3774**	**896.3517**
	SDNELQ(-36)		b_7-H_2O(23) y_7-H_2O(3.4)	b_7(-36) y_7(-55)	y_{14}^{+2}(-41)	YTVSDNE-NH_3(9.7)	y_{15}^{+2}(-42)	QEM(Oxidation)SNQGS(53) b_8-H_2O(28) y_8-H_2O(12)	b_8(-13) y_8(-29)

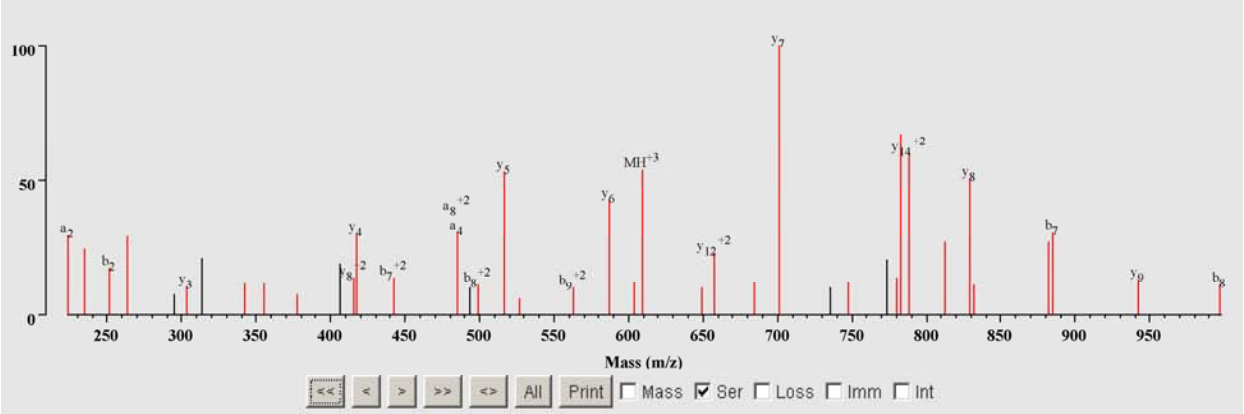
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1945.8444	973.4258
352.1503	3	T	16	1782.7810	891.8942
451.2187	4	V	15	1681.7334	841.3703
538.2508	5	S	14	1582.6650	791.8361
653.2777	6	D	13	1495.6329	748.3201
767.3206	7	N	12	1380.6060	690.8066
896.3632	8	E	11	1266.5631	633.7852
1009.4473	9	L	10	1137.5205	569.2639
1137.5059	10	Q	9	1024.4364	512.7218
1266.5485	11	E	8	896.3778	448.6925
1413.5839	12	M(Oxidation)	7	767.3352	384.1713
1500.6159	13	S	6	620.2998	310.6536
1614.6588	14	N	5	533.2678	267.1375
1742.7174	15	Q	4	419.2249	210.1161
1799.7388	16	G	3	291.1663	146.0868

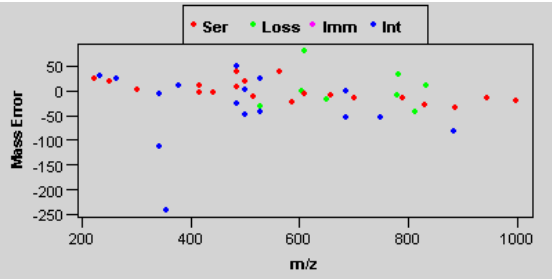
1886.7709	17	**S**	2	234.1448	117.5761
---	18	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYVNKEIQNAVNGVK^{+3}



Max Intensity: **14.8**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **91.1%** Matched Series Intensity: **90.4%**



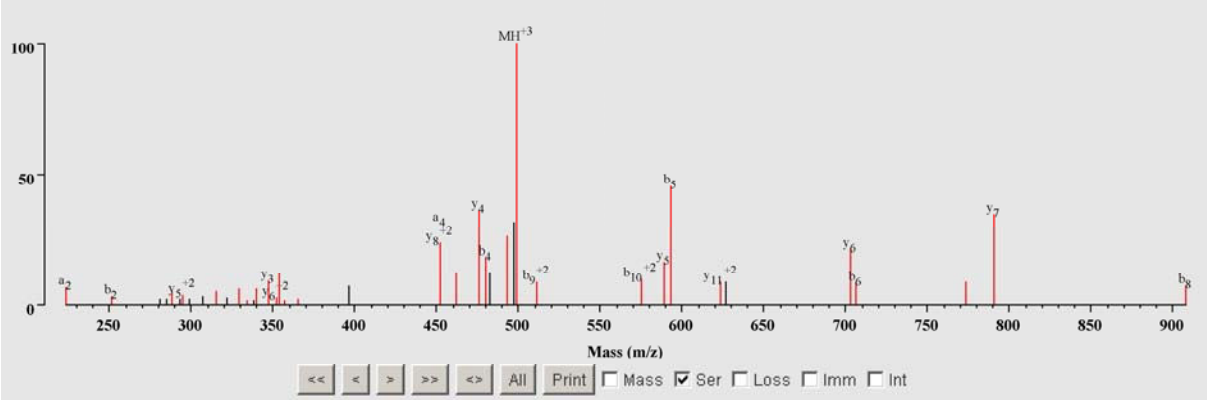
Sequence SYYVNKEIQNAVNGVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C81 H129 N22 O26

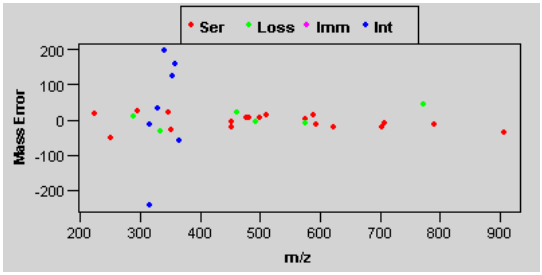
MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1827.0596	1825.9443	914.0335	913.4758	609.6915	609.3196

[+] **Peak Matches**
[+] **Main Sequence Ions**
[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKTLLSNLEEAK^{+3}



Max Intensity: **6.19**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **85.6%** Matched Series Intensity: **81.1%**



Sequence SYKTLLSNLEEAK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H111 N16 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1496.7110	1495.8003	748.8592	748.4038	499.5753	499.2716

[–] **Peak Matches**

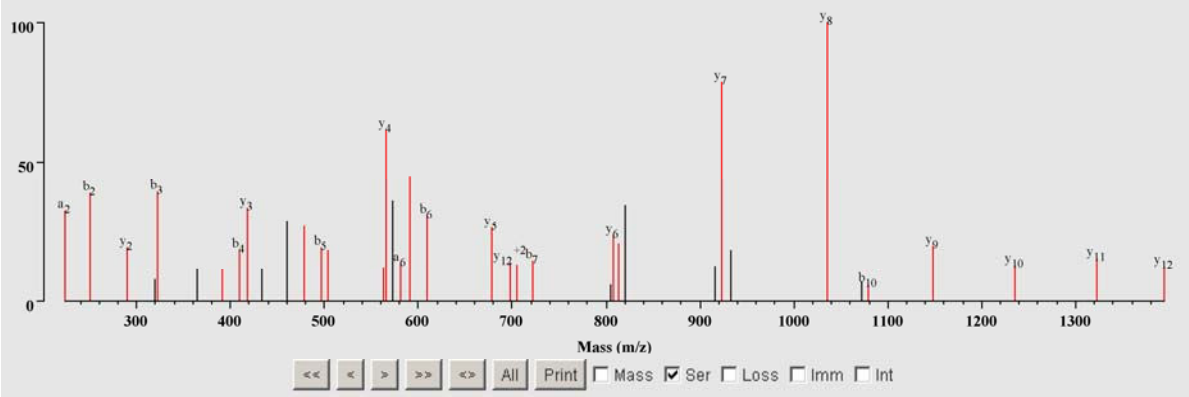
223.1113	**251.0897**	**281.1804**	**285.1952**	**288.1660**	**293.2342**	**295.1707**	**299.2086**	**307.2057**	**315.1621**
a_2(16)	b_2(-52)			b_5-H_2O^{+2}(10)		y_5^{+2}(25)			SNL(-13) LSN(-13) KTL-28(-244)
322.1680	**329.1924**	**334.1648**	**338.1713**	**340.2175**	**347.2004**	**352.1751**	**354.2098**	**357.2334**	**365.1959**
	y_3-H_2O(32) NLE-28(32)	a_3-NH_3(-34)		NLE-NH_3(198)	y_3(23)	y_6^{+2}(-27)	LEE-H_2O(124)	NLE(158)	YKT-28(-61)
396.2018	**452.2404**	**462.2453**	**476.2384**	**480.2473**	**482.2756**	**493.2653**	**497.3429**	**499.2738**	**510.7966**
	y_8^{+2}(-5.2) a_4(-22)	b_4-H_2O(23)	y_4(6.9)	b_4(4.2)		MH-H_2O^{+3}(-5.6)		MH^{+3}(4.4)	b_9^{+2}(13)
575.3133	**589.3260**	**593.3211**	**623.3434**	**626.8239**	**703.3476**	**706.4079**	**773.4010**	**790.3848**	**907.4543**
b_{10}^{+2}(3.7) b_5-H_2O(-9.5)	y_5(12)	b_5(-14)	y_{11}^{+2}(-20)		y_6(-21)	YKTLLS(-7.8) b_6(-7.8)	y_7-NH_3(43)	y_7(-12)	b_8(-37)

[–] **Main Sequence Ions**

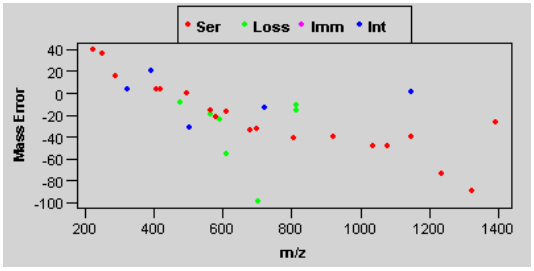
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1408.7682	704.8877
379.1976	190.1024	3	**K**	11	1245.7049	623.3561
480.2453	240.6263	4	**T**	10	1117.6099	559.3086
593.3293	297.1683	5	**L**	9	1016.5623	508.7848
706.4134	353.7103	6	**L**	8	903.4782	452.2427
793.4454	397.2264	7	**S**	7	790.3941	395.7007
907.4884	454.2478	8	**N**	6	703.3621	352.1847
1020.5724	510.7898	9	**L**	5	589.3192	295.1632
1149.6150	575.3111	10	**E**	4	476.2351	238.6212
1278.6576	639.8324	11	**E**	3	347.1925	174.0999
1349.6947	675.3510	12	**A**	2	218.1499	109.5786
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASSIIDELFQDR^{+2}



Max Intensity: **12.2**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **81.3%** Matched Series Intensity: **80.7%**



Sequence: SYASSIIDELFQDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H111 N18 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1644.7892	1643.7911	822.8983	822.3992

[–] Peak Matches

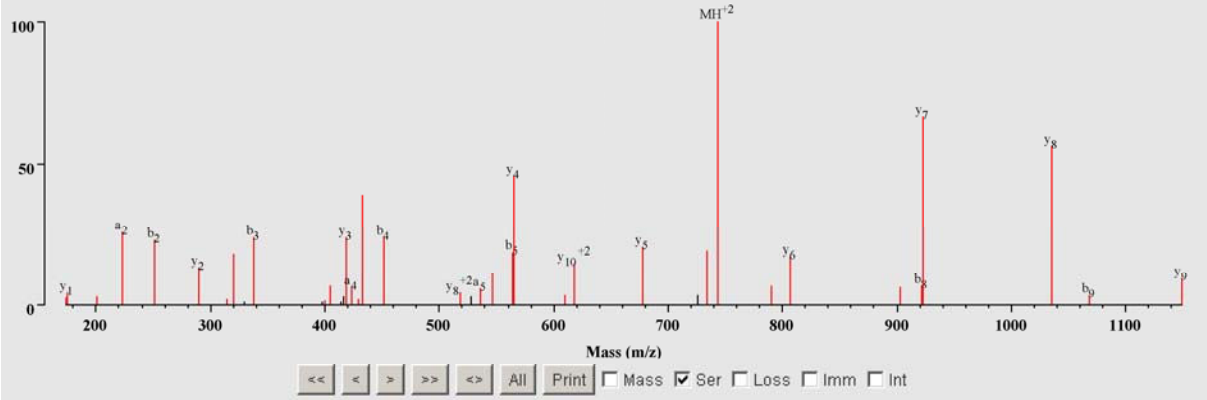
223.1166	251.1117	290.1506	320.1332	322.1410	364.1600	391.1694	409.1731	418.2059	433.2045
a_2(40)	b_2(36)	y_2(16)		b_3(3.9) YAS(3.9)		b_4-H_2O(21) YASS-H_2O(21) FQD(21)	YASS(3.2) b_4(3.2)	y_3(3.4)	
460.1823	**478.1890**	**496.2039**	**504.2296**	**563.2719**	**565.2636**	**573.2541**	**581.2801**	**591.2634**	**609.2778**
	b_5-H_2O(-8.9)	b_5(0.19)	YASSI-H_2O(-31) LFQD(-31)	a_6-H_2O(-19)	y_4(-16)		a_6(-22)	b_6-H_2O(-24)	b_6(-17) y_{10}-H_2O^{+2}(-56)
678.3337	**697.3295**	**704.2914**	**722.3624**	**804.3793**	**807.3666**	**813.3847**	**813.8733**	**820.9375**	**915.8406**
y_5(-34)	y_{12}^{+2}(-32)	b_7-H_2O(-99)	b_7(-13) YASSIID-28(-13)		y_6(-41)	MH-H_2O^{+2}(-11)	MH-NH_3^{+2}(-16)		
922.3892	**932.8265**	**933.3584**	**1035.4607**	**1071.4975**	**1079.4733**	**1148.5482**	**1235.5346**	**1322.5416**	**1393.6581**
y_7(-40)			y_8(-48)		b_{10}(-48)	SSIIDELFQD(1.0) y_9(-40)	y_{10}(-74)	y_{11}(-89)	y_{12}(-27)

[–] Main Sequence Ions

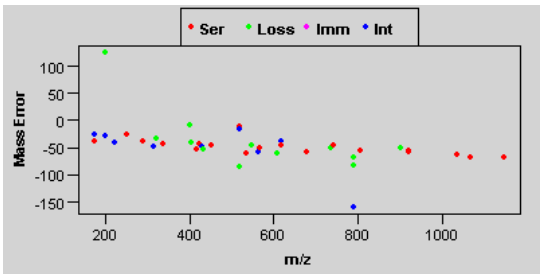
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1556.7591	778.8832
322.1397	3	A	12	1393.6958	697.3515
409.1718	4	S	11	1322.6587	661.8330
496.2038	5	S	10	1235.6266	618.3170
609.2879	6	I	9	1148.5946	574.8009
722.3719	7	I	8	1035.5106	518.2589
837.3989	8	D	7	922.4265	461.7169
966.4415	9	E	6	807.3995	404.2034
1079.5255	10	L	5	678.3570	339.6821
1226.5939	11	F	4	565.2729	283.1401
1354.6525	12	Q	3	418.2045	209.6059
1469.6795	13	D	2	290.1459	145.5766
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSIIDELFQDR^{+2}



Max Intensity: **113**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **97.9%** Matched Series Intensity: **97.5%**



Sequence: SYSIIDELFQDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H101 N16 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1486.6312	1485.7220	743.8193	743.3646

[–] **Peak Matches**

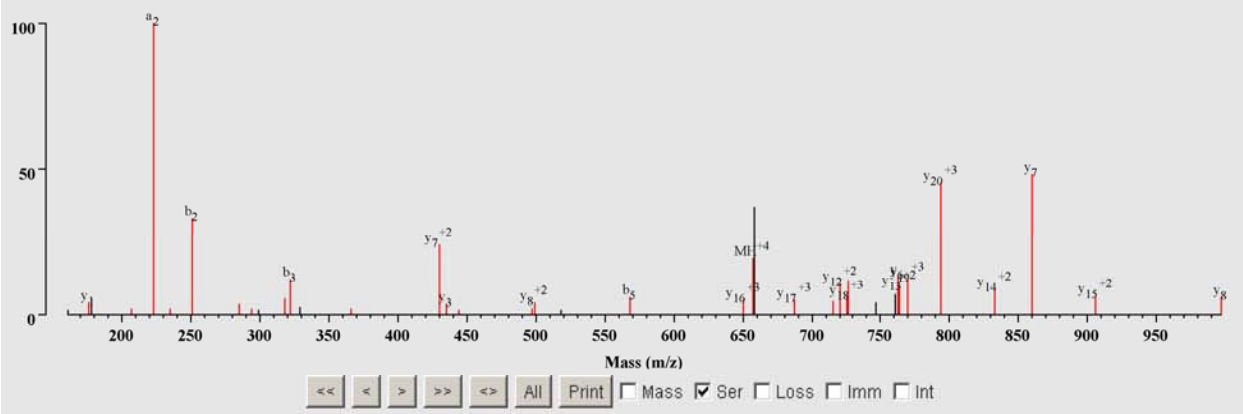
173.1240	175.1121	201.1178	223.0985	251.0959	290.1347	314.1925	320.1133	329.2293	338.1200
SI-28(-26)	y_1(-39)	y_3-NH_3^{+2}(125) ID-28(-28) SI(-28)	a_2(-41) YS-28(-41)	YS(-27) b_2(-27)	y_2(-39)	SII(-48) IID-28(-48)	b_3-H_2O(-34)		b_3(-43)
398.1838	**400.1900**	**405.1961**	**414.2184**	**416.1255**	**418.1821**	**423.2057**	**429.2136**	**433.1853**	**451.1986**
	y_3-H_2O(-9.8)	a_4-H_2O(-42)			y_3(-53)	a_4(-43)	SIID(-48)	b_4-H_2O(-53)	b_4(-45)
518.2526	**528.2453**	**536.2757**	**546.2673**	**564.2701**	**565.2439**	**609.2743**	**618.2894**	**678.3173**	**725.3426**
y_8^{+2}(-12) ELFQ(-16) a_5-H_2O(-86)		a_5(-60)	b_5-H_2O(-46)	b_5(-58) YSIID-28(-58)	y_4(-51)	y_{10}-H_2O^{+2}(-61)	IDELF(-39) y_{10}^{+2}(-45)	y_5(-58)	
734.3217	**743.3302**	**790.3082**	**807.3546**	**903.4007**	**921.4043**	**922.3726**	**1035.4445**	**1068.4527**	**1148.5162**
MH-H_2O^{+2}(-51)	MH^{+2}(-46)	b_7-H_2O(-68) y_6-NH_3(-82) SIIDELF-28(-160)	y_6(-56)	b_8-H_2O(-50)	b_8(-57)	y_7(-58)	y_8(-64)	b_9(-67)	y_9(-68)

[–] **Main Sequence Ions**

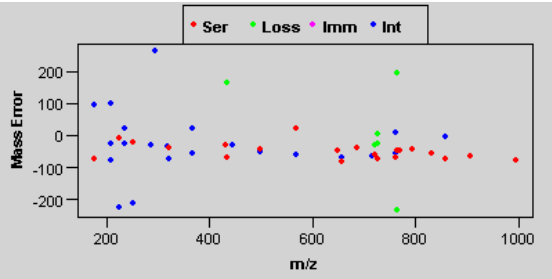
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1398.6900	699.8486
338.1347	3	S	1235.6266	618.3170
451.2187	4	I	1148.5946	574.8009
564.3028	5	I	1035.5106	518.2589
679.3297	6	D	922.4265	461.7169
808.3723	7	E	807.3995	404.2034
921.4564	8	L	678.3570	339.6821
1068.5248	9	F	565.2729	283.1401
1196.5834	10	Q	418.2045	209.6059
1311.6103	11	D	290.1459	145.5766
---	12	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAMDIHFHSPAFQHPPTEFIR^{+4}



Max Intensity: **270**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **87.5%** Matched Series Intensity: **87.3%**



Sequence SYAMDIHFHSPAFQHPPTEFIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C122 H171 N32 O32 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2629.9779	2628.2452	1315.4927	1314.6263	877.3309	876.7533	658.2500	657.8168

[–] Peak Matches

160.0745	175.1064	178.0844	207.1079	223.1055	235.1125	251.0976	285.1257	294.2338	299.2564
	AM-28(94) y_1(-72)		HS-H_2O(98) YA-28(-24) HP-28(-78)	a_2(-9.9) IH-28(-223)	YA(20) HP(-27)	b_2(-20) IH(-210)	FH(-31) HF(-31)	HSP-28(264)	
318.1004	**322.1267**	**329.2604**	**366.1566**	**430.2234**	**435.2413**	**444.2109**	**497.1921**	**498.7443**	**518.2588**
AMD(-36)	b_3(-41) HSP(-75)		YAM(23) DIH(-56)	y_7^{+2}(-32)	b_4-H_2O(165) y_3(-69)	PAFQ(-30)	MDIH(-51)	y_8^{+2}(-45)	
568.2200	**649.9603**	**657.3154**	**657.7629**	**658.1516**	**687.6583**	**715.2776**	**720.3307**	**725.9767**	**726.3246**
b_5(23) AMDIH(-61)	y_{16}^{+3}(-49)	PPTEFI-28(-69)	MH^{+4}(-82)		y_{17}^{+3}(-41)	AMDIHF(-64)	y_{18}-NH_3^{+3}(-32) y_{12}^{+2}(-62)	b_{19}-H_2O^{+3}(-25) y_{18}^{+3}(-72)	b_{19}-NH_3^{+3}(2.2)
746.3128	**760.3100**	**762.3624**	**763.8551**	**769.6725**	**793.3522**	**832.3720**	**859.4048**	**905.8980**	**996.4460**
		AFQHPPT-NH_3(7.1) IHFHSPA-28(-55) y_6(-68)	y_{19}-H_2O^{+3}(196) y_{13}^{+2}(-47) y_{19}-NH_3^{+3}(-234)	y_{19}^{+3}(-48)	y_{20}^{+3}(-45)	y_{14}^{+2}(-58)	PAFQHPPT-NH_3(-5.7) y_7(-73)	y_{15}^{+2}(-63)	y_8(-80)

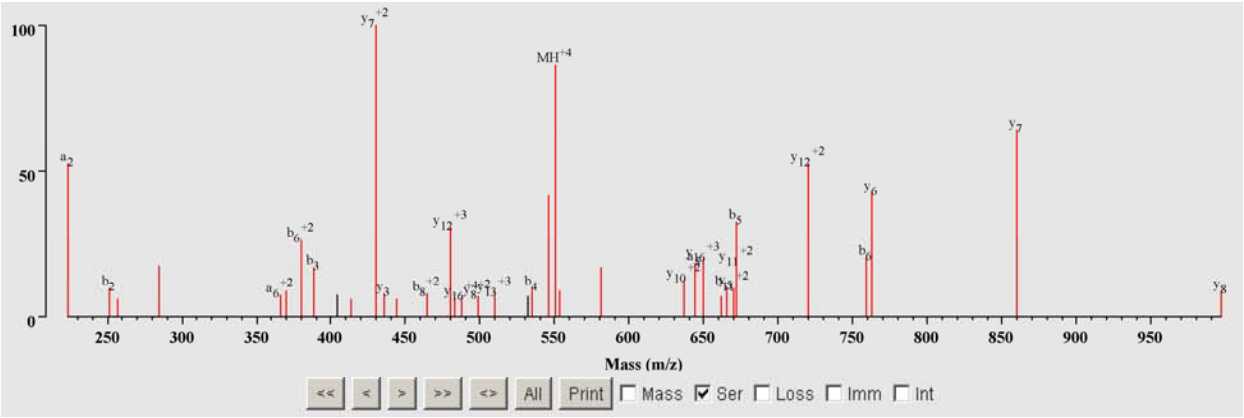
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	22	---	---
251.1026	---	2	Y	21	2541.2132	1271.1102
322.1397	---	3	A	20	2378.1499	1189.5786
453.1802	---	4	M	19	2307.1128	1154.0600
568.2072	---	5	D	18	2176.0723	1088.5398
681.2912	---	6	I	17	2061.0453	1031.0263
818.3502	409.6787	7	H	16	1947.9613	974.4843
965.4186	483.2129	8	F	15	1810.9024	905.9548
1102.4775	551.7424	9	H	14	1663.8340	832.4206
1189.5095	595.2584	10	S	13	1526.7750	763.8912
1286.5623	643.7848	11	P	12	1439.7430	720.3751
1357.5994	679.3033	12	A	11	1342.6902	671.8488
1504.6678	752.8375	13	F	10	1271.6531	636.3302
1632.7264	816.8668	14	Q	9	1124.5847	562.7960
1769.7853	885.3963	15	H	8	996.5261	498.7667

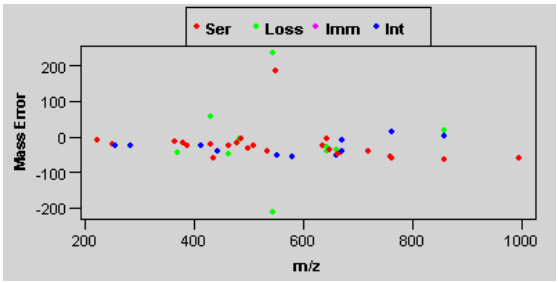
1866.8380	933.9227	16	**P**	7	859.4672	430.2373
1963.8908	982.4490	17	**P**	6	762.4145	381.7109
2064.9385	1032.9729	18	**T**	5	665.3617	333.1845
2193.9811	1097.4942	19	**E**	4	564.3140	282.6606
2341.0495	1171.0284	20	**F**	3	435.2714	218.1394
2454.1336	1227.5704	21	**I**	2	288.2030	144.6051
---	---	22	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHFHSPAFQHPPTEFIR^{+4}



Max Intensity: **77.1**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **97.6%** Matched Series Intensity: **97.2%**



Sequence: SYHFHSPAFQHPPTEFIR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300

Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C104 H141 N28 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2199.4512	2198.0566	1100.2293	1099.5320	733.8220	733.3571	550.6184	550.2696

[–] Peak Matches

223.1055	251.0976	257.1333	285.1273	366.1620	370.1349	380.1572	388.1514	404.1705	413.1830
a_2(-9.9)	b_2(-20)	HF-28(-25) FH-28(-25)	HF(-26) FH(-26)	a_6^{+2}(-13)	b_3-H_2O(-43)	b_6^{+2}(-18)	b_3(-26)		FQH(-25)
430.2273	**435.2453**	**444.2069**	**464.1967**	**480.2116**	**480.5767**	**483.2400**	**487.7439**	**498.7506**	**509.5831**
a_{15}-H_2O^{+4}(58) y_7^{+2}(-23)	y_3(-60)	PAFQ(-39)	b_8^{+2}(-27) a_{12}-H_2O^{+3}(-49)		y_{12}^{+3}(-19)	y_{16}-H_2O^{+4}(-6.5)	y_{16}^{+4}(-3.8)	y_8^{+2}(-32)	y_{13}^{+3}(-26)
532.2608	**535.2080**	**545.8966**	**550.3706**	**553.2598**	**581.2491**	**636.3144**	**643.9691**	**644.2909**	**649.9675**
	b_4(-41)	MH-H_2O^{+4}(237) MH-NH_3^{+4}(-213)	MH^{+4}(184)	PAFQH-28(-51) AFQHP-28(-51)	PAFQH(-58) AFQHP(-58)	y_{10}^{+2}(-25)	y_{16}-H_2O^{+3}(-30)	YHFHS-28(-4.7) a_5(-4.7) y_{16}-NH_3^{+3}(-40)	y_{16}^{+3}(-38)
661.2737	**665.3293**	**670.2717**	**671.8210**	**672.2822**	**720.3460**	**759.2770**	**762.3676**	**859.4131**	**996.4669**
b_{11}-H_2O^{+2}(-35) PAFQHP-NH_3(-54) AFQHPP-NH_3(-54)	y_5(-49)	b_{11}^{+2}(-45)	y_{11}^{+2}(-41)	b_5(-9.9) YHFHS(-9.9) QHPPTE-H_2O(-41)	y_{12}^{+2}(-40)	b_6(-58)	AFQHPPT-NH_3(14) y_6(-61)	a_{15}-H_2O^{+2}(19) PAFQHPPT-NH_3(3.9) y_7(-63)	y_8(-59)

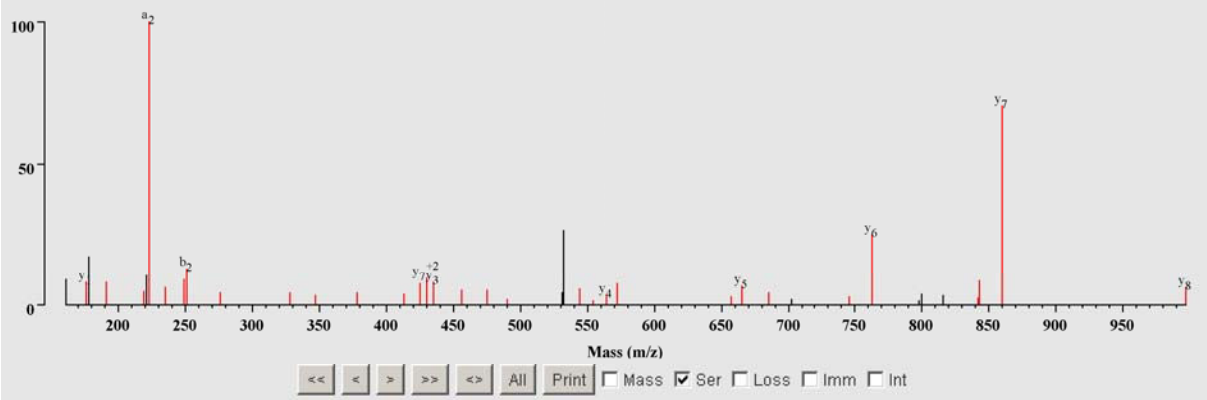
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	18	---	---
251.1026	---	2	Y	17	2111.0246	1056.0159
388.1615	194.5844	3	H	16	1947.9613	974.4843
535.2300	268.1186	4	F	15	1810.9024	905.9548
672.2889	336.6481	5	H	14	1663.8340	832.4206
759.3209	380.1641	6	S	13	1526.7750	763.8912
856.3737	428.6905	7	P	12	1439.7430	720.3751
927.4108	464.2090	8	A	11	1342.6902	671.8488
1074.4792	537.7432	9	F	10	1271.6531	636.3302
1202.5378	601.7725	10	Q	9	1124.5847	562.7960
1339.5967	670.3020	11	H	8	996.5261	498.7667
1436.6494	718.8284	12	P	7	859.4672	430.2373
1533.7022	767.3547	13	P	6	762.4145	381.7109
1634.7499	817.8786	14	T	5	665.3617	333.1845
1763.7925	882.3999	15	E	4	564.3140	282.6606

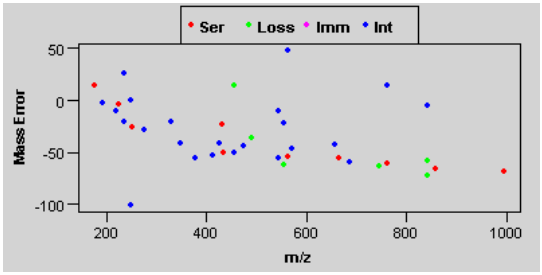
1910.8609	955.9341	16	**F**	3	435.2714	218.1394
2023.9450	1012.4761	17	**I**	2	288.2030	144.6051
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAFQHPPTEFIR^{+3}



Max Intensity: **273**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **82.0%** Matched Series Intensity: **83.7%**



Sequence SYAFQHPPTEFIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C75 H106 N19 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1593.7932	1592.7856	797.4003	796.8964	531.9360	531.6001

[–] **Peak Matches**

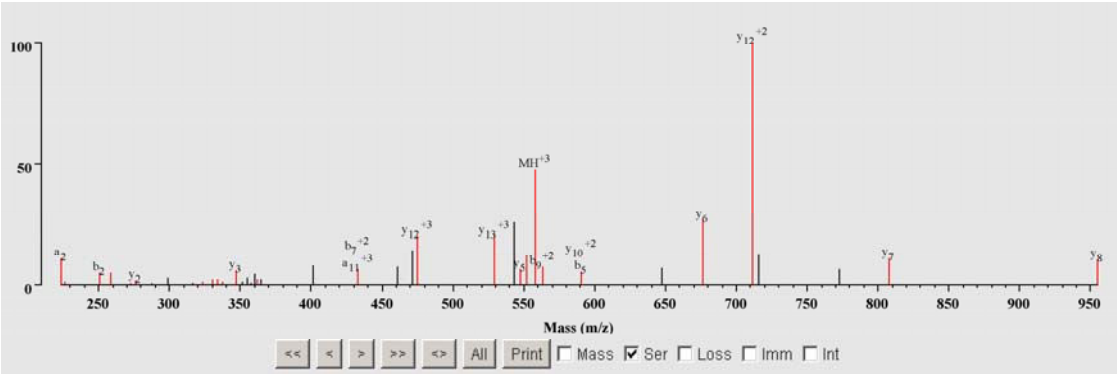
160.0757	175.1214	178.0856	191.1175	219.1106	221.1014	223.1069	235.1139	249.0981	251.0961
	y_1(14)		AF-28(-2.0)	AF(-10)		a_2(-3.7)	YA(26) HP(-21)	QH-NH_3(-0.47) EF-28(-101)	b_2(-26)
276.1262	**328.1434**	**347.1567**	**378.1450**	**413.1714**	**425.1857**	**430.2273**	**435.2492**	**456.2123**	**475.1979**
a_3-H_2O(-29) FQ(-29)	PTE(-21)	AFQ(-42)	TEF(-55)	FQH(-53)	PPTE(-41)	y_7^{+2}(-23)	y_3(-51)	b_8-NH_3^{+2}(14) AFQH-28(-51)	PTEF(-44)
489.7440	**531.2505**	**532.2434**	**544.2461**	**554.2486**	**564.2836**	**572.2447**	**657.3324**	**665.3244**	**685.3152**
y_8-H_2O^{+2}(-36)			QHPPT-NH_3(-9.8) HPPTE-H_2O(-9.8) PPTEF-28(-56)	PPTEF-H_2O(-22) y_9-NH_3^{+2}(-62)	AFQHP-NH_3(48) y_4(-54)	PPTEF(-47)	PPTEFI-28(-43)	y_5(-56)	PPTEFI(-59)
702.3452	**745.3411**	**762.3676**	**797.3903**	**799.3797**	**815.3925**	**841.3953**	**842.3921**	**859.4104**	**996.4580**
	y_6-NH_3(-63)	AFQHPPT-NH_3(14) y_6(-61)				YAFQHPP(-4.6) y_7-H_2O(-73)	y_7-NH_3(-58)	y_7(-66)	y_8(-68)

[–] **Main Sequence Ions**

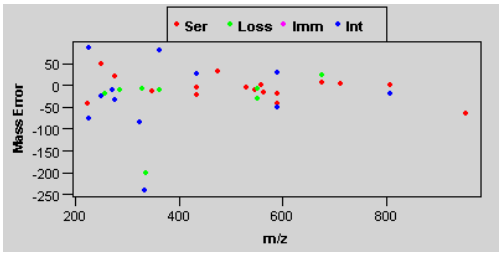
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1505.7536	753.3804
322.1397	---	3	**A**	11	1342.6902	671.8488
469.2082	---	4	**F**	10	1271.6531	636.3302
597.2667	---	5	**Q**	9	1124.5847	562.7960
734.3257	367.6665	6	**H**	8	996.5261	498.7667
831.3784	416.1928	7	**P**	7	859.4672	430.2373
928.4312	464.7192	8	**P**	6	762.4145	381.7109
1029.4789	515.2431	9	**T**	5	665.3617	333.1845
1158.5214	579.7644	10	**E**	4	564.3140	282.6606
1305.5899	653.2986	11	**F**	3	435.2714	218.1394
1418.6739	709.8406	12	**I**	2	288.2030	144.6051
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKNPKFMETVAEK^{+3}



Max Intensity: **3.92**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **76.9%** Matched Series Intensity: **72.6%**



Sequence SYKNPKFMETVAEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C75 H119 N18 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1672.9526	1671.8411	836.9800	836.4242	558.3225	557.9519

[–] **Peak Matches**

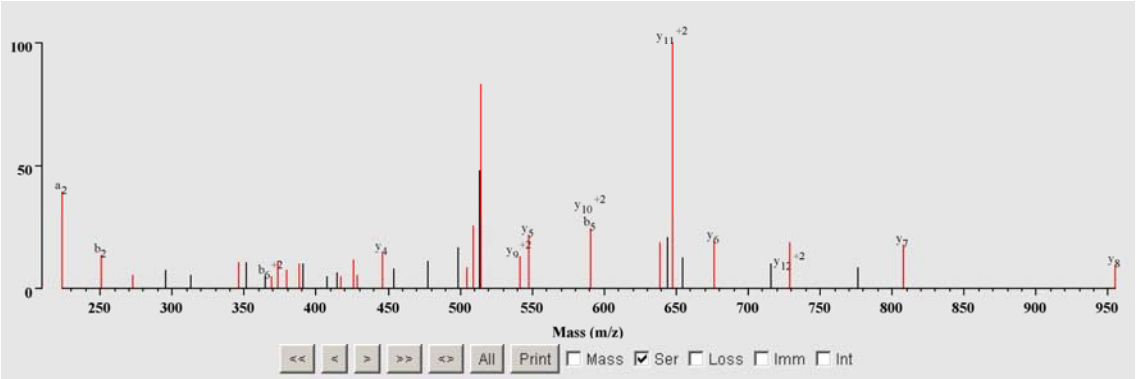
223.0986	226.1381	251.1152	258.1402	272.1577	276.1613	287.1339	299.1448	316.1458	323.1437
a_2(-41)	KN-NH_3(86) PK(-75)	b_2(50) FM-28(-24)	y_2-H_2O(-18)	TVA(-10) VAE-28(-10)	y_2(21) KF(-34)	b_5-NH_3^{+2}(-11)			NPK-NH_3(-86) KNP-NH_3(-86)
330.1633	**334.0627**	**337.1192**	**347.1881**	**351.0500**	**355.0688**	**357.2191**	**360.1927**	**362.1675**	**364.1495**
ETV(-8.1) y_6-NH_3^{+2}(-8.1) y_3-NH_3(-8.1)	MET-28(-241)	a_6-NH_3^{+2}(-201)	y_3(-13)					MET(81) b_3-NH_3(-9.8)	
401.0560	**433.2227**	**460.7814**	**471.1591**	**474.6021**	**528.9387**	**543.2933**	**547.3021**	**551.9436**	**552.2593**
	METV-28(26) a_{11}^{+3}(-5.7) b_7^{+2}(-21)			y_{12}^{+3}(32)	y_{13}^{+3}(-4.7)		y_5(-12)	MH-H_2O^{+3}(-8.6)	MH-NH_3^{+3}(-31)
557.9518	**563.2646**	**590.2821**	**647.8287**	**676.3546**	**711.3793**	**715.3554**	**772.8723**	**807.3916**	**954.3984**
MH^{+3}(-0.13)	b_9^{+2}(-16)	FMETV-H_2O(30) b_5(-19) y_{10}^{+2}(-43) NPKFM-28(-51)		a_{12}-NH_3^{+2}(23) y_6(5.0)	y_{12}^{+2}(3.9)			y_7(-0.10) KFMETVA(-19)	y_8(-65)

[–] **Main Sequence Ions**

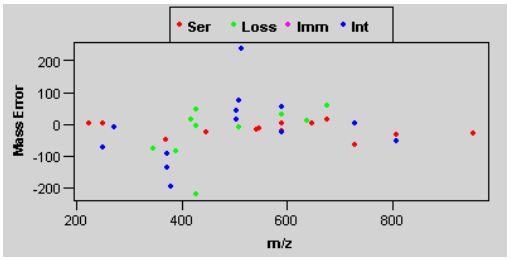
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1584.8090	792.9082
379.1976	190.1024	3	**K**	12	1421.7457	711.3765
493.2405	247.1239	4	**N**	11	1293.6507	647.3290
590.2933	295.6503	5	**P**	10	1179.6078	590.3075
718.3883	359.6978	6	**K**	9	1082.5551	541.7812
865.4567	433.2320	7	**F**	8	954.4601	477.7337
996.4971	498.7522	8	**M**	7	807.3917	404.1995
1125.5397	563.2735	9	**E**	6	676.3512	338.6792
1226.5874	613.7973	10	**T**	5	547.3086	274.1579
1325.6558	663.3316	11	**V**	4	446.2609	223.6341
1396.6929	698.8501	12	**A**	3	347.1925	174.0999
1525.7355	763.3714	13	**E**	2	276.1554	138.5813
---	---	14	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNPKFMETVAEK^{+3}



Max Intensity: **2.43**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **73.2%** Matched Series Intensity: **72.2%**



Sequence SYNPKFMETVAEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H107 N16 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1544.7774	1543.7461	772.8924	772.3767	515.5974	515.2536

[–] **Peak Matches**

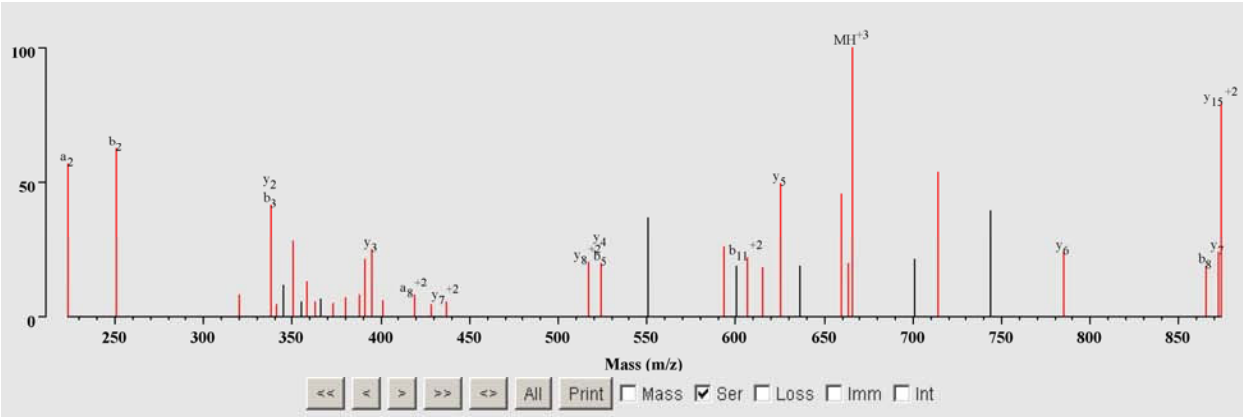
223.1085	251.1032	272.1577	295.1772	313.2179	346.1555	351.1759	364.1640	369.1655	373.1731
a_2(3.5)	b_2(2.3) FM-28(-72)	VAE-28(-10) TVA(-10)			a_6-H_2O^{+2}(-76)			b_6^{+2}(-51)	ETVA-28(-94) TVAE-28(-94) PKF(-135)
379.1420	**388.1655**	**391.1788**	**407.7340**	**414.1262**	**417.1824**	**426.2113**	**428.1556**	**446.2489**	**454.2270**
KFM-28(-196)	y_{10}-NH_3^{+3}(-85)				a_4-NH_3(13)	b_7-NH_3^{+2}(47) y_{11}-NH_3^{+3}(-3.8)	y_4-H_2O(-221)	y_4(-27)	
477.2696	**498.2467**	**504.2704**	**509.2449**	**513.2829**	**514.3555**	**541.7723**	**547.3021**	**590.2959**	**638.3299**
		METVA-28(43) PKFM(13)	FMET(76) MH-H_2O^{+3}(-10)		METVA-H_2O(238)	y_9^{+2}(-16)	y_5(-12)	FMETV-H_2O(54) b_{10}-H_2O^{+2}(29) b_5(4.4) y_{10}^{+2}(-20) NPKFM-28(-27)	y_{11}-H_2O^{+2}(9.7)
644.3190	**647.3316**	**654.3898**	**676.3597**	**715.8440**	**728.8131**	**729.3395**	**776.3253**	**807.3647**	**954.4306**
	y_{11}^{+2}(3.9)		a_{12}-H_2O^{+2}(57) y_6(13)		y_{12}^{+2}(-65)	NPKFME-H_2O(0.88)		y_7(-33) KFMETVA(-52)	y_8(-31)

[–] **Main Sequence Ions**

b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1456.7141	728.8607
365.1456	---	3	**N**	11	1293.6507	647.3290
462.1983	---	4	**P**	10	1179.6078	590.3075
590.2933	295.6503	5	**K**	9	1082.5551	541.7812
737.3617	369.1845	6	**F**	8	954.4601	477.7337
868.4022	434.7047	7	**M**	7	807.3917	404.1995
997.4448	499.2260	8	**E**	6	676.3512	338.6792
1098.4925	549.7499	9	**T**	5	547.3086	274.1579
1197.5609	599.2841	10	**V**	4	446.2609	223.6341
1268.5980	634.8026	11	**A**	3	347.1925	174.0999
1397.6406	699.3239	12	**E**	2	276.1554	138.5813
---	---	13	**K**	1	147.1128	74.0600

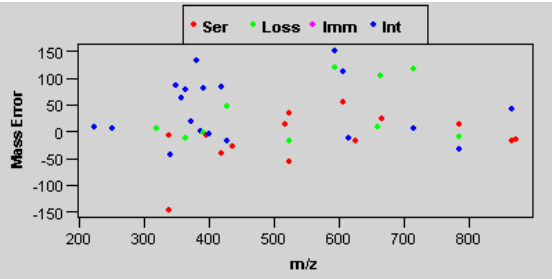
[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSADNKVVC(Carbamidomethyl)SC(Carbamidomethyl)TEGYR^{+3}



Max Intensity: **5.04**

Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **81.3%** Matched Series Intensity: **78.2%**



Sequence: SYSADNKVVC(Carbamidomethyl)SC(Carbamidomethyl)TEGYR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300

Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C81 H127 N24 O31 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1996.8522	1995.8535	998.9298	998.4304	666.2890	665.9560

[–] Peak Matches

223.1096	251.1042	320.1262	338.1324	341.1309	345.1055	350.1651	355.0689	358.1952	363.1619
a_2(8.4) YS-28 (8.4)	b_2(6.2) YS(6.2)	b_3-H_2O(6.6)	b_3(-6.7) y_2(-147)	DNK-NH_3(-43)		EGY(87)		DNK(64)	C(Carbamidomethyl) TE-28(79) a_4-H_2O(-12)
366.1333	**373.1247**	**380.1564**	**388.1464**	**391.1601**	**395.2009**	**401.2129**	**419.1915**	**428.1886**	**436.6698**
	C(Carbamidomethyl) TE-H_2O(19)	C(Carbamidomethyl)SC (Carbamidomethyl)-28 (133)	SADN(0.29)	C (Carbamidomethyl) TE(82) b_4-H_2O(-2.8)	y_3(-7.2)	ADNK-28(-3.5)	YSAD-H_2O(84) a_8^{+2}(-41)	y_7-NH_3^{+2}(46) VVC (Carbamidomethyl)S-H_2O(-18)	y_7^{+2}(-28)
516.7046	**524.2169**	**550.9514**	**593.2919**	**600.3097**	**606.3055**	**615.3023**	**625.2833**	**636.3279**	**659.9589**
y_8^{+2}(14)	b_5(35) y_{13}-NH_3^{+3}(-17) y_4(-56)		C(Carbamidomethyl) TEGY-H_2O(151) a_6-NH_3(121)		VVC(Carbamidomethyl) SC(Carbamidomethyl) (112) b_{11}^{+2}(56)	SADNKV(-12)	y_5(-17)		MH-H_2O^{+3}(9.7)
663.8454	**665.6488**	**665.9712**	**700.8549**	**714.3831**	**743.3519**	**785.3347**	**865.3906**	**872.3449**	**873.3696**
a_{12}-NH_3^{+2} (104)		MH^{+3}(23)		a_{13}-NH_3^{+2}(116) SADNKVV(7.0)		y_6(13) y_{13}-H_2O^{+2}(-10) DNKVVC (Carbamidomethyl)S-H_2O(-34)	VVC(Carbamidomethyl) SC(Carbamidomethyl) TEG-28(42) b_8(-17)	y_7(-14)	y_{15}^{+2}(-15)

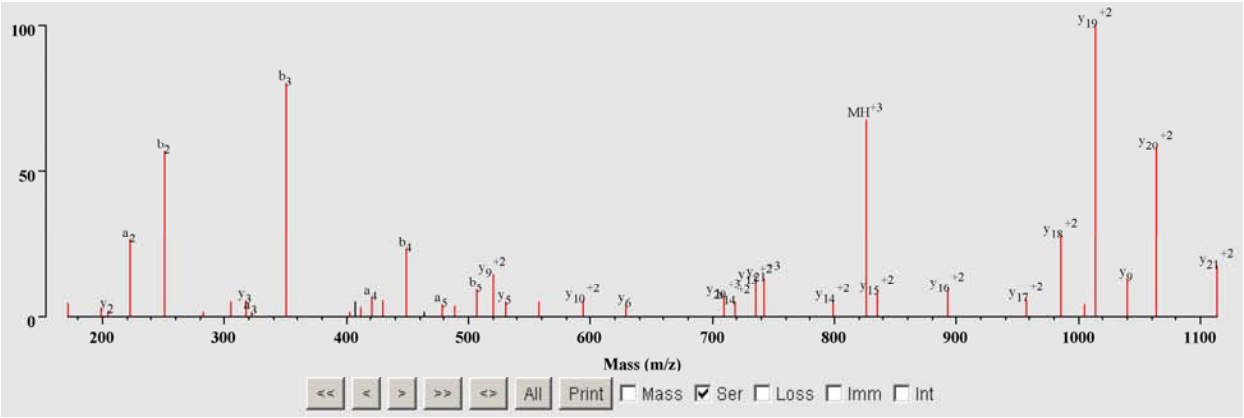
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	17	---	---
251.1026	---	2	**Y**	16	1908.8215	954.9144
338.1347	---	3	**S**	15	1745.7581	873.3827
409.1718	---	4	**A**	14	1658.7261	829.8667
524.1987	---	5	**D**	13	1587.6890	794.3481
638.2416	---	6	**N**	12	1472.6621	736.8347
766.3366	383.6719	7	**K**	11	1358.6191	679.8132
865.4050	433.2061	8	**V**	10	1230.5242	615.7657
964.4734	482.7404	9	**V**	9	1131.4558	566.2315
1124.5041	562.7557	10	**C(Carbamidomethyl)**	8	1032.3873	516.6973
1211.5361	606.2717	11	**S**	7	872.3567	436.6820

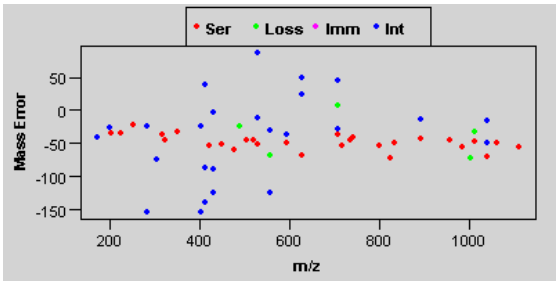
1371.5668	686.2870	12	**C(Carbamidomethyl)**	6	785.3247	393.1660
1472.6144	736.8109	13	**T**	5	625.2940	313.1506
1601.6570	801.3322	14	**E**	4	524.2463	262.6268
1658.6785	829.8429	15	**G**	3	395.2037	198.1055
1821.7418	911.3746	16	**Y**	2	338.1823	169.5948
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVVGGEDAKPGQFPWQVVLNGK^{+3}



Max Intensity: **40.7**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.0%** Matched Series Intensity: **98.8%**



Sequence SYVVGGEDAKPGQFPWQVVLNGK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C114 H172 N29 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2476.8118	2475.2667	1238.9096	1238.1370	826.2756	825.7604

[–] Peak Matches

171.1423	199.1390	204.1273	223.1000	251.0974	283.1329	305.1381	318.1656	322.1620	350.1598
VV-28(-40)	VV(-26)	y_2(-34)	a_2(-35)	b_2(-21)	PGQ(-25) KPG(-154)	GQF-28(-74)	y_3(-36)	a_3(-44)	b_3(-32)
402.1519	**407.1721**	**412.1619**	**421.2222**	**430.1552**	**449.2167**	**464.1906**	**478.2380**	**488.2383**	**506.2387**
GGEDA-28(-25) PGQF-28(-153) GQFP-28(-153)		GGEDA-H_2O(38) PWQ(-87) DAKP(-139)	a_4(-53)	GGEDA(-3.8) VGGED-28(-88) PGQF(-124) GQFP(-124)	b_4(-51)		a_5(-59)	b_5-H_2O(-25)	b_5(-44)
520.7742	**530.3028**	**558.2345**	**594.3025**	**629.3562**	**709.3462**	**718.3072**	**735.3658**	**742.3655**	**799.4040**
y_9^{+2}(-46)	GGEDAK-28(87) KPGQF-28(-11) y_5(-51)	GGEDAK(-31) a_{12}-NH_3^{+2}(-67) KPGQF(-124)	QVVLNG-NH_3(-37) y_{10}^{+2}(-50)	VGGEDAK-28(49) AKPGQF(25) y_6(-67)	EDAKPGQ-NH_3(44) b_{14}-H_2O^{+2}(7.4) AKPGQFP-NH_3(-29) y_{20}^{+3}(-37)	b_{14}^{+2}(-54)	y_{13}^{+2}(-45)	y_{21}^{+3}(-40)	y_{14}^{+2}(-53)
825.7007	**834.9230**	**892.4402**	**956.9574**	**985.4560**	**1005.4344**	**1013.9719**	**1040.5151**	**1063.5027**	**1113.0271**
MH^{+3}(-72)	y_{15}^{+2}(-50)	VVGGEDAKPG-H_2O(-14) y_{16}^{+2}(-42)	y_{17}^{+2}(-44)	y_{18}^{+2}(-55)	y_{19}-NH_3^{+2}(-73)	b_{19}-H_2O^{+2}(-32) y_{19}^{+2}(-48)	AKPGQFPWQ(-15) KPGQFPWQV-28(-50) y_9(-71)	y_{20}^{+2}(-49)	y_{21}^{+2}(-56)

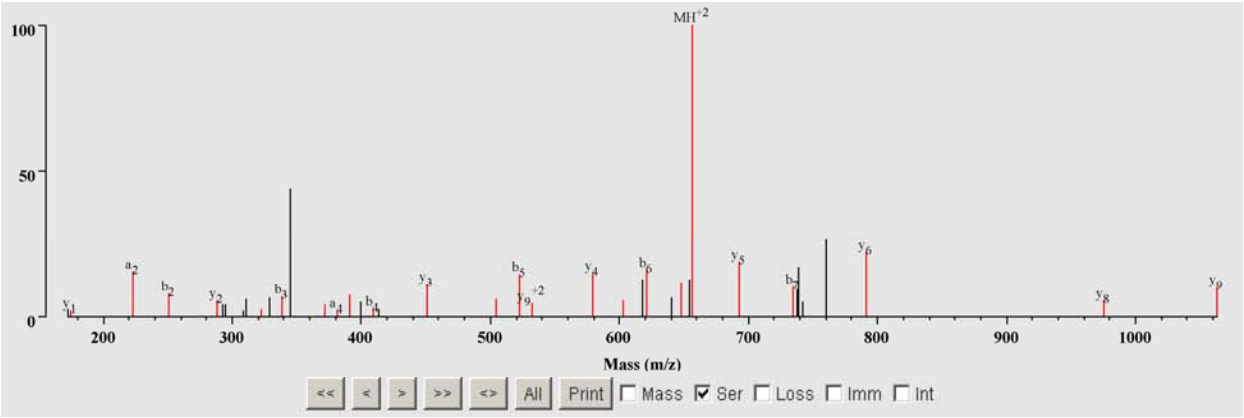
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	23	---	---
251.1026	---	2	Y	22	2388.2347	1194.6210
350.1710	---	3	V	21	2225.1713	1113.0893
449.2395	---	4	V	20	2126.1029	1063.5551
506.2609	---	5	G	19	2027.0345	1014.0209
563.2824	---	6	G	18	1970.0130	985.5102
692.3250	---	7	E	17	1912.9916	956.9994
807.3519	---	8	D	16	1783.9490	892.4781
878.3890	---	9	A	15	1668.9220	834.9647
1006.4840	503.7456	10	K	14	1597.8849	799.4461
1103.5368	552.2720	11	P	13	1469.7900	735.3986
1160.5582	580.7828	12	G	12	1372.7372	686.8722
1288.6168	644.8120	13	Q	11	1315.7157	658.3615
1435.6852	718.3462	14	F	10	1187.6572	594.3322

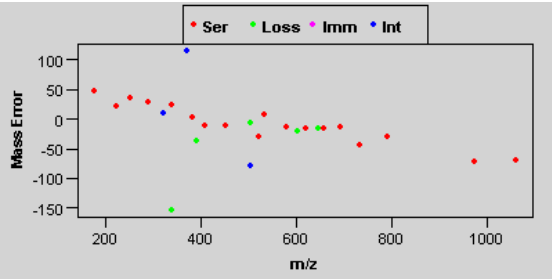
1532.7380	766.8726	15	**P**	9	1040.5887	520.7980
1718.8173	859.9123	16	**W**	8	943.5360	472.2716
1846.8759	923.9416	17	**Q**	7	757.4567	379.2320
1945.9443	973.4758	18	**V**	6	629.3981	315.2027
2045.0127	1023.0100	19	**V**	5	530.3297	265.6685
2158.0968	1079.5520	20	**L**	4	431.2613	216.1343
2272.1397	1136.5735	21	**N**	3	318.1772	159.5922
2329.1612	1165.0842	22	**G**	2	204.1343	102.5708
---	---	23	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSALVLQYLR^{+2}



Max Intensity: **11.1**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **65.1%** Matched Series Intensity: **54.3%**



Sequence: SYSALVLQYLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C61 H98 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1313.5488	1312.7260	657.2781	656.8666

[–] **Peak Matches**

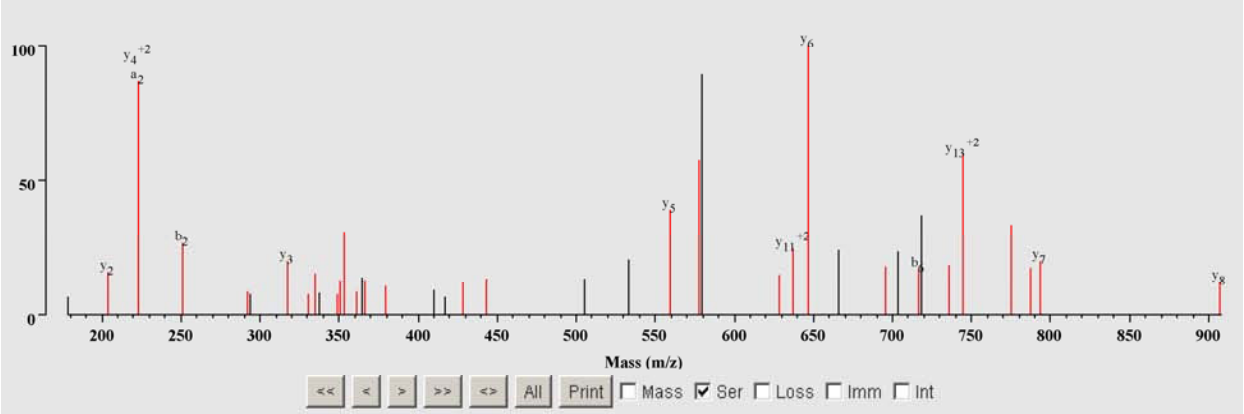
172.1432	175.1272	223.1124	251.1117	288.2115	292.2354	294.2400	308.2244	310.2446	322.1427
	y_1(47)	YS-28(21) a_2(21)	YS(36) b_2(36)	y_2(29)					YSA(9.2)
329.2764	**338.1428**	**345.2764**	**371.2716**	**381.1778**	**391.1470**	**399.1965**	**409.1674**	**413.1836**	**451.2613**
	b_3(24) y_5-NH_3^{+2}(-154)		SALV(115)	a_4(2.5)	b_4-H_2O(-36)		b_4(-11)		y_3(-11)
504.2424	**522.2395**	**531.8223**	**579.3173**	**603.3011**	**618.2577**	**621.3150**	**640.3241**	**647.8509**	**654.3092**
b_5-H_2O(-5.7) VLQY(-78)	b_5(-31)	y_9^{+2}(6.3)	y_4(-13)	b_6-H_2O(-21)		b_6(-15)		MH-H_2O^{+2}(-16)	
656.8566	**692.4003**	**734.3761**	**738.1945**	**738.6426**	**742.1107**	**759.7990**	**791.4548**	**975.5275**	**1062.5577**
MH^{+2}(-15)	y_5(-13)	b_7(-44)					y_6(-29)	y_8(-73)	y_9(-69)

[–] **Main Sequence Ions**

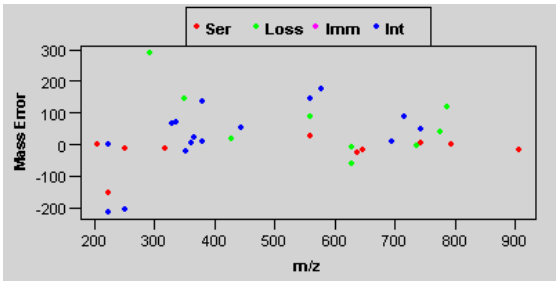
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1225.6939	613.3506
338.1347	3	S	9	1062.6306	531.8189
409.1718	4	A	8	975.5986	488.3029
522.2558	5	L	7	904.5615	452.7844
621.3243	6	V	6	791.4774	396.2423
734.4083	7	L	5	692.4090	346.7081
862.4669	8	Q	4	579.3249	290.1661
1025.5302	9	Y	3	451.2663	226.1368
1138.6143	10	L	2	288.2030	144.6051
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSQHLDNFSNQIGK^{+3}



Max Intensity: **2.57**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **73.5%** Matched Series Intensity: **73.5%**



Sequence: SYSQHLDNFSNQIGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C75 H113 N22 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1738.8654	1737.8191	869.9364	869.4132	580.2934	579.9445

[–] Peak Matches

178.0771	204.1345	223.1074	251.0988	292.2139	294.2204	317.2137	330.1619	335.1700	337.1797
	y_2(1.1)	a_2(-1.4) YS-28(-1.4) y_4^{+2}(-155) HL-28(-215)	YS(-15) b_2(-15) HL(-205)	a_3-H_2O(290)		y_3(-15)	SNQ(64)	SQH-H_2O(71)	
349.2009	**350.2098**	**353.1492**	**361.1520**	**364.1875**	**366.1844**	**379.2124**	**410.2616**	**417.2310**	**428.2574**
DNF-28(144) NFS(144) FSN(144)	b_6-NH_3^{+2}(147)	SQH(-22)	YSQ-H_2O(3.7)		HLD(20)	YSQ(135) QHL(9.4)			y_4-NH_3(16)
443.2494	**505.2900**	**533.2775**	**559.3335**	**577.3633**	**579.3687**	**628.3021**	**636.8029**	**646.3399**	**665.8293**
SNQI(55)			LDNFS-H_2O(147) y_{10}-H_2O^{+2}(86) y_5(25)	LDNFS(176)		y_{11}-NH_3^{+2}(-7.7) y_6-H_2O(-62)	y_{11}^{+2}(-27)	y_6(-19)	
695.3178	**703.3526**	**716.4005**	**718.3957**	**735.8505**	**744.3685**	**775.4398**	**787.4496**	**793.4211**	**907.4489**
SQHLDN(10)		b_6(90) YSQHLD-28(90)		y_{13}-NH_3^{+2}(-2.4)	NFSNQIG-NH_3(50) YSQHLD(50) y_{13}^{+2}(4.0)	y_7-H_2O(39)	b_{14}-H_2O^{+2}(120)	y_7(1.0)	y_8(-16)

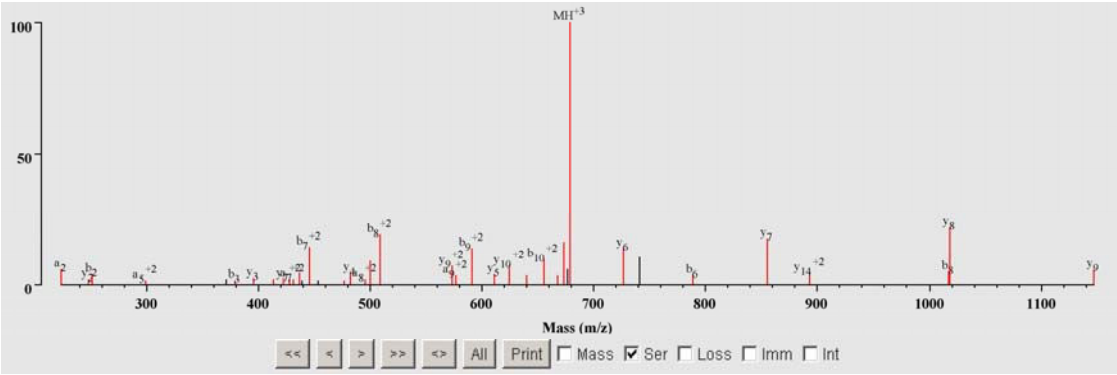
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 15	---	---
251.1026	---	2	Y 14	1650.7871	825.8972
338.1347	---	3	S 13	1487.7237	744.3655
466.1932	---	4	Q 12	1400.6917	700.8495
603.2522	302.1297	5	H 11	1272.6331	636.8202
716.3362	358.6717	6	L 10	1135.5742	568.2907
831.3632	416.1852	7	D 9	1022.4901	511.7487
945.4061	473.2067	8	N 8	907.4632	454.2352
1092.4745	546.7409	9	F 7	793.4203	397.2138
1179.5065	590.2569	10	S 6	646.3519	323.6796
1293.5495	647.2784	11	N 5	559.3198	280.1636
1421.6080	711.3077	12	Q 4	445.2769	223.1421
1534.6921	767.8497	13	I 3	317.2183	159.1128

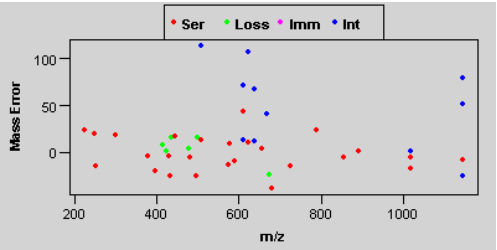
1591.7136	796.3604	14	**G**	2	204.1343	102.5708
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKVM(Oxidation)YTQYEDESFTK^{+3}



Max Intensity: **22.5**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **89.9%** Matched Series Intensity: **85.2%**



Sequence: SYKVM(Oxidation)YTQYEDESFTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C91 H132 N19 O32 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2036.0733	2034.9001	1018.5404	1017.9537	679.3627	678.9716

[–] Peak Matches

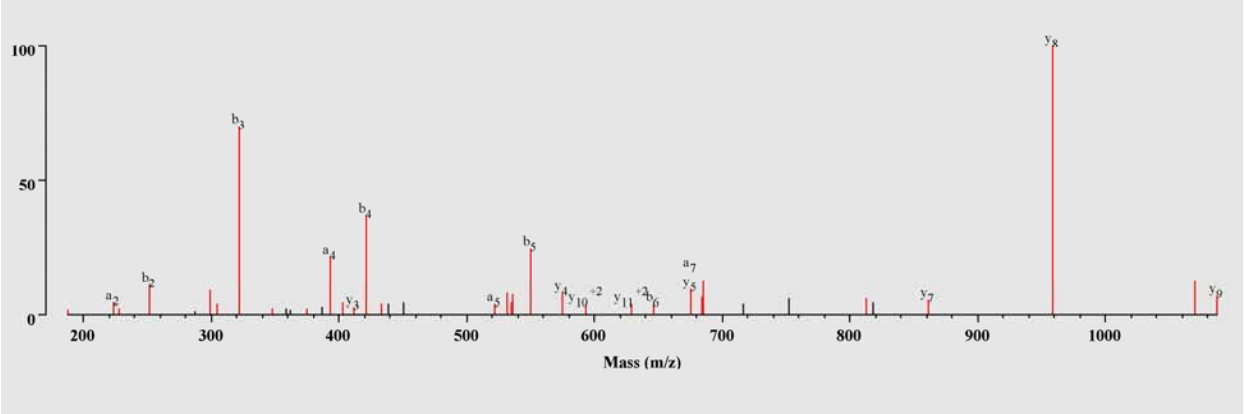
223.1131	**248.1652**	**251.0988**	**299.1622**	**371.1943**	**379.1957**	**395.2211**	**413.2137**	**422.2075**	**428.1886**
a_2(24)	y_2(19)	b_2(-15)	a_5^{+2}(18)		b_3(-5.0)	y_3(-20)	b_7-SOCH$_4^{+2}$(7.3)	a_7-H$_2$O^{+2}(0.93)	y_7^{+2}(-3.7)
431.2018	**436.2117**	**439.2331**	**445.2174**	**453.2608**	**477.2418**	**482.2581**	**495.2293**	**500.2416**	**509.2458**
a_7^{+2}(-25)	b_7-H$_2$O^{+2}(16)		b_7^{+2}(17)		b_8-SOCH$_4^{+2}$(3.8)	y_4(-5.9)	a_8^{+2}(-25)	b_8-H$_2$O^{+2}(15)	YEDE-28(114) b_8^{+2}(13)
573.7437	**576.7784**	**590.7650**	**611.3299**	**624.2813**	**639.3242**	**655.2947**	**667.2997**	**672.9517**	**676.3313**
y_9^{+2}(-13)	a_9^{+2}(8.8)	b_9^{+2}(-9.8)	VM(Oxidation)YTQ-28(72) y_5(43) KVM(Oxidation)YT-28(13)	YEDES(107) y_{10}^{+2}(10)	VM(Oxidation)YTQ(68) KVM(Oxidation)YT(11)	b_{10}^{+2}(4.0)	YTQYE-H$_2$O(41)	MH-H$_2$O^{+3}(-24)	
678.3312	**678.9453**	**726.3199**	**740.3947**	**788.3827**	**855.3682**	**892.9069**	**1017.4653**	**1018.4194**	**1146.4850**
	MH^{+3}(-39)	y_6(-15)		b_6(23)	y_7(-5.7)	y_{14}^{+2}(1.00)	b_8(-5.6)	VM(Oxidation)YTQYED-28(0.76) y_8(-17)	M(Oxidation)YTQYEDES-NH$_3$(80) YTQYEDESF-NH$_3$(51) y_9(-8.7) KVM(Oxidation)YTQYED-28(-25)

[–] Main Sequence Ions

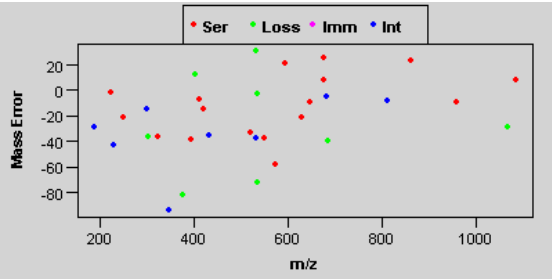
b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1947.8681	974.4377
379.1976	190.1024	3	**K**	14	1784.8047	892.9060
478.2660	239.6366	4	**V**	13	1656.7098	828.8585
625.3014	313.1543	5	**M(Oxidation)**	12	1557.6414	779.3243
788.3647	394.6860	6	**Y**	11	1410.6060	705.8066
889.4124	445.2098	7	**T**	10	1247.5426	624.2750
1017.4710	509.2391	8	**Q**	9	1146.4950	573.7511
1180.5343	590.7708	9	**Y**	8	1018.4364	509.7218
1309.5769	655.2921	10	**E**	7	855.3731	428.1902
1424.6039	712.8056	11	**D**	6	726.3305	363.6689
1553.6465	777.3269	12	**E**	5	611.3035	306.1554
1640.6785	820.8429	13	**S**	4	482.2609	241.6341
1787.7469	894.3771	14	**F**	3	395.2289	198.1181
1888.7946	944.9009	15	**T**	2	248.1605	124.5839
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVQPGETYTYK^{+2}



Max Intensity: **3.83**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **93.0%** Matched Series Intensity: **93.0%**



Sequence SYAVQPGETYTYK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C69 H100 N15 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1507.6499	1506.7111	754.3286	753.8592

[–] **Peak Matches**

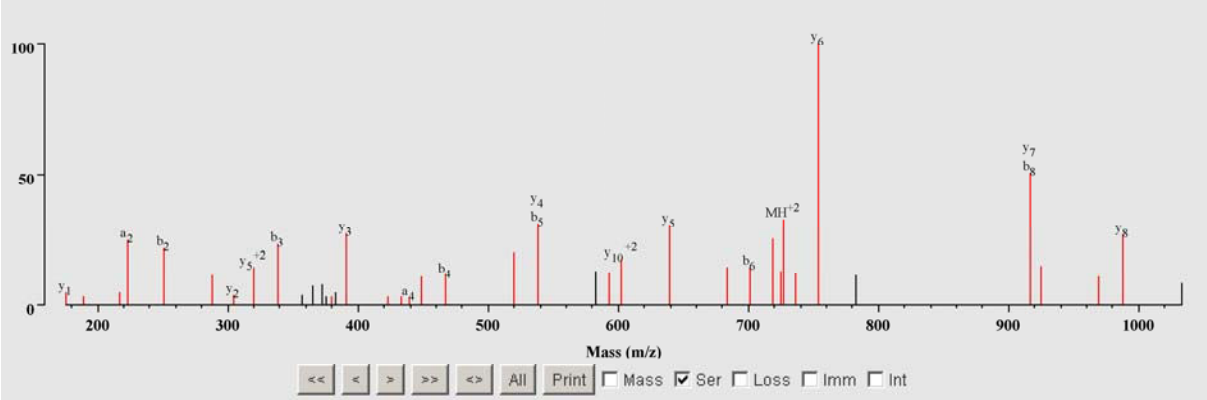
187.0659	223.1074	228.1245	251.0973	287.1042	299.1669	304.1182	322.1281	348.1228	358.1597
GE(-29)	a_2(-1.4)	VQ(-43)	b_2(-21)		AVQ(-15)	b_3-H_2O(-36)	b_3(-36)	TYT-H_2O(-94)	
362.1312	**375.1719**	**386.1986**	**393.1980**	**403.2026**	**411.2207**	**421.2019**	**433.1565**	**438.2003**	**450.1992**
	a_4-H_2O(-82)		y_3-H_2O(-39) a_4(-39)	b_4-H_2O(12)	y_3(-7.6)	b_4(-15)	GETY-H_2O(-35)		
521.2544	**531.2729**	**534.7518**	**535.2071**	**549.2465**	**574.2539**	**593.3057**	**628.7980**	**646.3135**	**675.3517**
a_5(-33)	b_5-H_2O(31) YAVQP-28(-37)	y_9-H_2O^{+2}(-3.1)	y_9-NH_3^{+2}(-72)	b_5(-37)	y_4(-58)	y_{10}^{+2}(21)	y_{11}^{+2}(-21)	b_6(-9.3)	y_5(25) a_7(8.4)
683.3324	**685.3033**	**716.3118**	**752.3202**	**812.3393**	**817.4325**	**861.4183**	**958.4423**	**1069.4524**	**1086.5196**
AVQPGET(-5.1)	b_7-H_2O(-40)			PGETYTY(-8.4)		y_7(23)	y_8(-9.7)	y_9-NH_3(-29)	y_9(8.6)

[–] **Main Sequence Ions**

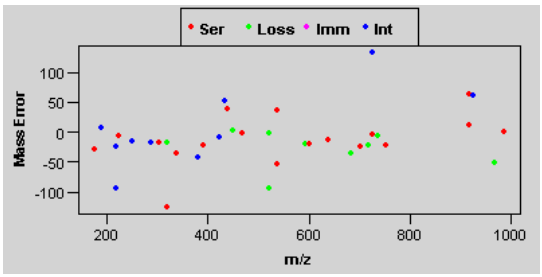
b			y	y^{+2}
---	1	S	13 ---	---
251.1026	2	Y	12 1419.6791	710.3432
322.1397	3	A	11 1256.6157	628.8115
421.2082	4	V	10 1185.5786	593.2930
549.2667	5	Q	9 1086.5102	543.7587
646.3195	6	P	8 958.4516	479.7295
703.3410	7	G	7 861.3989	431.2031
832.3836	8	E	6 804.3774	402.6923
933.4312	9	T	5 675.3348	338.1710
1096.4946	10	Y	4 574.2871	287.6472
1197.5422	11	T	3 411.2238	206.1155
1360.6056	12	Y	2 310.1761	155.5917
---	13	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSEAYNTFSER^{+2}



Max Intensity: **10.3**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **90.8%** Matched Series Intensity: **90.0%**



Sequence SYSEAYNTFSER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H89 N16 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1454.5016	1453.6230	727.7545	727.3151

[–] **Peak Matches**

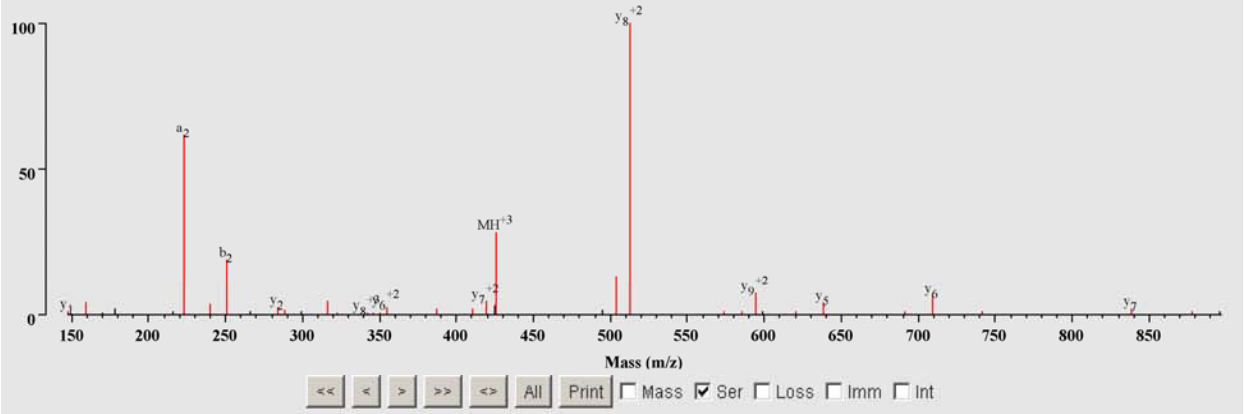
175.1137	189.0883	217.0765	223.1060	251.0988	288.1138	304.1562	320.1182	338.1224	357.1323
y_1(-30)	SE-28(7.0)	SE(-25) FS-H_2O(-95)	YS-28(-7.7) a_2(-7.7)	b_2(-15) YS(-15)	SEA(-18)	y_2(-18)	b_3-H_2O(-18) y_5^{+2}(-126)	b_3(-36)	
365.1003	**372.2151**	**375.1334**	**380.1290**	**383.1134**	**391.1848**	**423.1837**	**433.1939**	**439.1995**	**449.1676**
			YSE(-43)		y_3(-22)	SEAY-28(-8.8) YSEA-28(-8.8)	SEAY-H_2O(51) YSEA-H_2O(51) AYNT-NH_3(51) NTFS-NH_3(51)	a_4(39)	b_4-H_2O(2.0)
467.1759	**520.2025**	**538.2332**	**582.3548**	**593.2504**	**602.2546**	**639.3014**	**683.2433**	**701.2606**	**718.2942**
b_4(-2.9)	b_5-H_2O(-2.5) y_4-H_2O(-94)	b_5(35) y_4(-53)		y_{10}-H_2O^{+2}(-20)	y_{10}^{+2}(-21)	y_5(-13)	b_6-H_2O(-35)	b_6(-24)	MH-H_2O^{+2}(-22)
725.3739	**727.3126**	**736.3204**	**753.3356**	**782.4641**	**916.4271**	**924.4300**	**969.3916**	**987.4538**	**1032.5700**
YNTFSE-NH_3(133)	MH^{+2}(-3.5)	y_6-NH_3(-7.7)	y_6(-23)		b_8(64) y_7(12)	EAYNTFSE-H_2O(61)	y_8-H_2O(-52)	y_8(0.77)	

[–] **Main Sequence Ions**

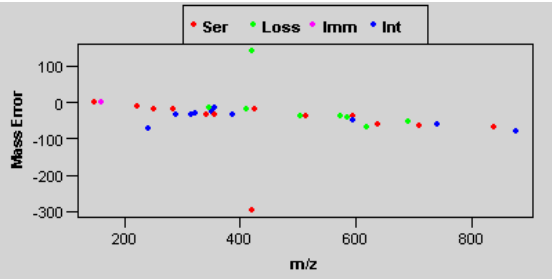
b			y	y^{+2}
---	1	S	12 ---	---
251.1026	2	Y	11 1366.5910	683.7991
338.1347	3	S	10 1203.5277	602.2675
467.1773	4	E	9 1116.4956	558.7515
538.2144	5	A	8 987.4530	494.2302
701.2777	6	Y	7 916.4159	458.7116
815.3206	7	N	6 753.3526	377.1799
916.3683	8	T	5 639.3097	320.1585
1063.4367	9	F	4 538.2620	269.6346
1150.4687	10	S	3 391.1936	196.1004
1279.5113	11	E	2 304.1615	152.5844
---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYWEAPKEHK^{+3}



Max Intensity: **720**
Num Matched: **29/38 (23.7% unmatched)** Matched Intensity: **95.4%** Matched Series Intensity: **94.8%**



Sequence: SYWEAPKEHK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H84 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1275.4150	1274.6164	638.2112	637.8118	425.8099	425.5437

[–] **Peak Matches**

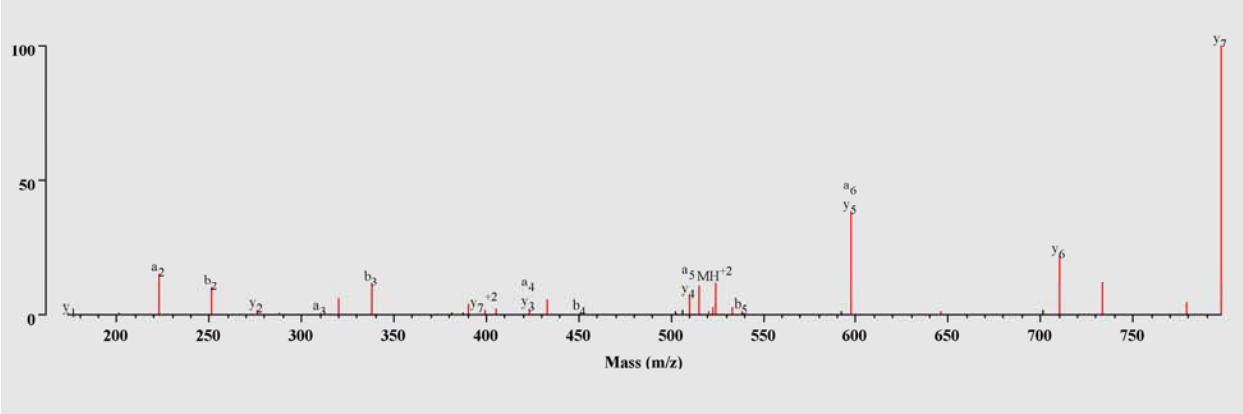
147.1129	159.0918	170.0677	178.0856	216.1022	223.1055	240.1174	251.0976	266.1583	284.1661
y_1(0.65)	W(0.79)				a_2(-9.9)	KE-H_2O(-70)	b_2(-20)		y_2(-20)
288.1249	**299.0943**	**316.1186**	**322.1454**	**342.1672**	**346.1929**	**350.1412**	**355.1919**	**387.1527**	**410.7110**
WE-28(-33)		WE(-33)	YW-28(-30)	y_8^{+3}(-33)	y_6-H_2O^{+2}(-15)	YW(-25)	PKE(-16) y_6^{+2}(-32)	WEA(-35)	y_7-H_2O^{+2}(-20)
419.5998	**425.2033**	**425.5351**	**495.2316**	**503.7402**	**512.7454**	**573.7421**	**585.2669**	**594.2736**	**599.2879**
MH-H_2O^{+3}(142) y_7^{+2}(-297)		MH^{+3}(-20)		y_8-H_2O^{+2}(-37)	y_8^{+2}(-37)	b_9+H_2O^{+2}(-39)	y_9-H_2O^{+2}(-40)	y_9^{+2}(-37) WEAPK-H_2O(-50)	
620.3100	**638.3236**	**691.3534**	**709.3548**	**741.3110**	**838.3840**	**878.3453**	**896.3699**		
y_5-H_2O(-67)	y_5(-60)	y_6-H_2O(-51)	y_6(-63)	WEAPKE(-62)	y_7(-69)	WEAPKEH(-80)			

[–] **Main Sequence Ions**

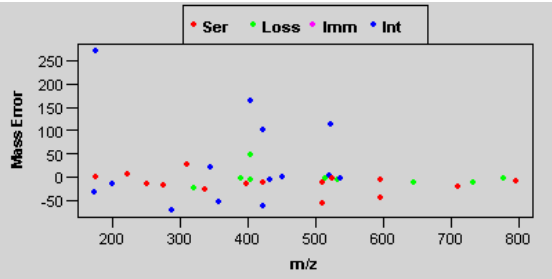
b	b^{+2}			y	y^{+2}
---	---	1	S 10	---	---
251.1026	---	2	Y 9	1187.5844	594.2958
437.1819	---	3	W 8	1024.5211	512.7642
566.2245	---	4	E 7	838.4417	419.7245
637.2617	---	5	A 6	709.3991	355.2032
734.3144	---	6	P 5	638.3620	319.6847
862.4094	431.7083	7	K 4	541.3093	271.1583
991.4520	496.2296	8	E 3	413.2143	207.1108
1128.5109	564.7591	9	H 2	284.1717	142.5895
---	---	10	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLSSM(Oxidation)TR^{+2}



Max Intensity: **40.2**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **97.0%** Matched Series Intensity: **96.7%**



Sequence: SYSLSSM(Oxidation)TR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C42 H71 N12 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1048.0049	1047.4775	524.5062	524.2424

[–] **Peak Matches**

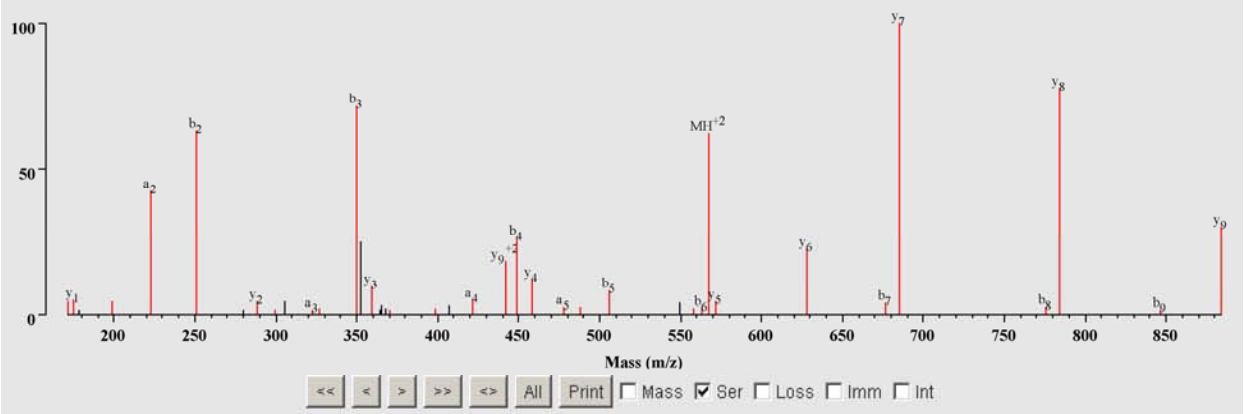
173.1229	175.1187	178.0783	201.1205	223.1088	251.0988	276.1619	288.1347	293.1077	310.1479
SL-28(-32) LS-28(-32)	SS(271) y_1(-1.4)		SL(-14) LS(-14)	YS-28(4.8) a_2(4.8)	YS(-15) b_2(-15)	y_2(-17)	SLS(-72) LSS(-72)		a_3(26)
319.1739	**320.1165**	**338.1258**	**346.1829**	**357.1573**	**381.1669**	**387.1777**	**390.1876**	**399.1890**	**405.2102**
	b_3-H_2O(-24)	b_3(-26)	YSL-H_2O(20)	SLSS-H_2O(-55)			y_7-H_2O^{+2}(-4.7)	y_7^{+2}(-14)	SSM(Oxidation)T-H_2O(164) y_3-H_2O(46) a_4-H_2O(-7.5)
423.1973	**433.2057**	**451.2180**	**502.2330**	**506.2372**	**510.2275**	**515.2362**	**520.2414**	**522.2814**	**524.2408**
SSM(Oxidation)T(101) y_3(-11) a_4(-63) YSLS-28(-63)	b_4-H_2O(-5.7) YSLS-H_2O(-5.7)	b_4(-1.6) YSLS(-1.6)			y_4(-13) YSLSS-28(-56) a_5(-56)	MH-H_2O^{+2}(-1.8)	b_5-H_2O(2.3) YSLSS-H_2O(2.3)	SLSSM(Oxidation)(112)	MH^{+2}(-3.1)
533.2644	**538.2486**	**592.2963**	**597.2616**	**646.3448**	**701.3584**	**710.3357**	**733.3749**	**779.3694**	**797.3745**
y_5-$SOCH_4$(-6.4)	b_5(-4.0) YSLSS(-4.0)		y_5(-7.5) a_6(-44)	y_6-$SOCH_4$(-11)		y_6(-20)	y_7-$SOCH_4$(-12)	y_7-H_2O(-2.8)	y_7(-9.6)

[–] **Main Sequence Ions**

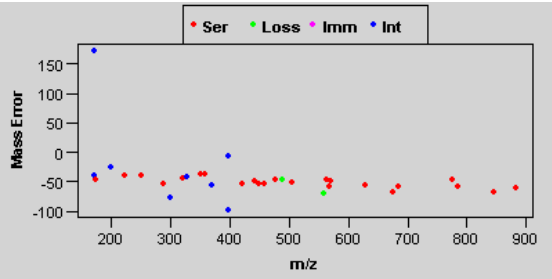
b				y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	960.4455	480.7264
338.1347	3	S	7	797.3822	399.1947
451.2187	4	L	6	710.3502	355.6787
538.2508	5	S	5	597.2661	299.1367
625.2828	6	S	4	510.2341	255.6207
772.3182	7	M(Oxidation)	3	423.2020	212.1047
873.3659	8	T	2	276.1666	138.5870
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVVGGLVALR^{+2}



Max Intensity: **204**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **92.8%** Matched Series Intensity: **92.0%**



Sequence: SYVVGGLVALR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H89 N14 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1134.3722	1133.6677	567.6898	567.3375

[–] Peak Matches

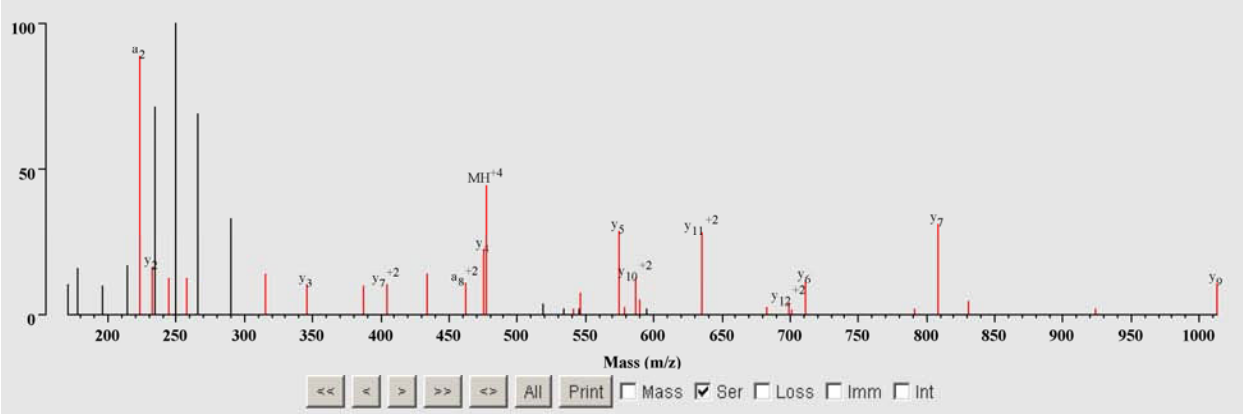
171.1423	**175.1108**	**178.0814**	**199.1390**	**223.0985**	**251.0929**	**280.2437**	**288.1874**	**299.1846**	**305.1348**
VA(172) GL(172) VV-28(-40)	y_1(-47)		VV(-26)	a_2(-41)	b_2(-39)		y_2(-54)	GGLV-28(-77) VGGL-28(-77)	
322.1620	**327.1891**	**350.1580**	**352.1993**	**359.2264**	**364.1905**	**365.1953**	**368.2146**	**370.2240**	**398.2367**
a_3(-44)	GGLV(-42) VGGL(-42)	b_3(-37)		y_3(-38)				GGLVA-28(-56)	GGLVA(-7.8) VVGGL-28(-99) VGGLV-28(-99)
407.1682	**421.2222**	**442.2675**	**449.2147**	**458.2842**	**478.2442**	**488.2279**	**506.2344**	**549.2841**	**558.2926**
	a_4(-53)	y_9^{+2}(-50)	b_4(-55)	y_4(-53)	a_5(-46)	b_5-H_2O(-46)	b_5(-52)		MH-H_2O^{+2}(-71)
563.2567	**567.3046**	**571.3647**	**628.3784**	**676.3198**	**685.3949**	**775.3979**	**784.4580**	**846.4147**	**883.5173**
b_6(-46)	MH^{+2}(-58)	y_5(-49)	y_6(-57)	b_7(-69)	y_7(-59)	b_8(-48)	y_8(-59)	b_9(-68)	y_9(-62)

[–] Main Sequence Ions

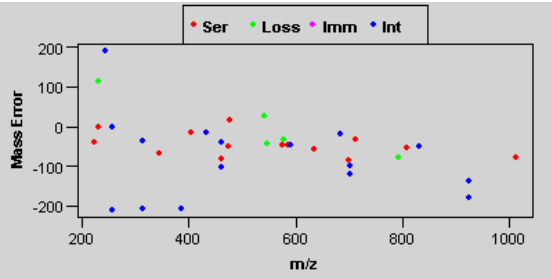
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1046.6357	523.8215
350.1710	3	V	9	883.5724	442.2898
449.2395	4	V	8	784.5039	392.7556
506.2609	5	G	7	685.4355	343.2214
563.2824	6	G	6	628.4141	314.7107
676.3665	7	L	5	571.3926	286.1999
775.4349	8	V	4	458.3085	229.6579
846.4720	9	A	3	359.2401	180.1237
959.5560	10	L	2	288.2030	144.6051
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEEKPC(Carbamidomethyl)GFPHVENGR^{+4}



Max Intensity: **9.22**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **55.8%** Matched Series Intensity: **53.1%**



Sequence SYEEKPC(Carbamidomethyl)GFPHVENGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C82 H121 N24 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1906.9189	1905.8548	953.9632	953.4310	636.3112	635.9565	477.4853	477.2192

[–] Peak Matches

170.1422	178.0826	196.1335	214.1365	223.0985	232.1405	234.1042	244.1395	250.0996	258.0903
				a_2(-41)	y_6-NH_3^{+3}(115) y_2(0.36)		EN(191)		PC(Carbamidomethyl)(-1.5) EK(-211)
266.1278	**290.1974**	**315.1007**	**346.1601**	**387.1068**	**404.7009**	**434.1786**	**462.1620**	**475.2025**	**477.2264**
		PC(Carbamidomethyl)G(-36) VEN-28(-208)	y_3(-67)	EEK(-208)	y_7^{+2}(-14)	PC(Carbamidomethyl)GF-28(-16) C(Carbamidomethyl)GFP-28(-16)	C(Carbamidomethyl)GFP(-40) PC(Carbamidomethyl)GF(-40) a_8^{+2}(-82) HVEN-H_2O(-103)	y_4(-49)	MH^{+4}(15)
518.7202	**533.7212**	**541.2336**	**545.2216**	**546.5637**	**574.2685**	**578.2351**	**586.7386**	**590.2489**	**595.2535**
		b_9-NH_3^{+2}(28)		y_{14}-H_2O^{+3}(-44)	y_5(-45)	y_{10}-NH_3^{+2}(-32)	y_{10}^{+2}(-48)	KPC(Carbamidomethyl)GF(-45)	
635.2580	**683.2682**	**699.2823**	**701.2232**	**711.3288**	**791.3169**	**808.3633**	**830.3079**	**924.2390**	**1012.4175**
y_{11}^{+2}(-56)	EEKPC(Carbamidomethyl)G-H_2O(-20)	y_{12}^{+2}(-84)	EEKPC(Carbamidomethyl)G(-99) EKPC(Carbamidomethyl)GF-H_2O(-120)	y_6(-34)	y_7-NH_3(-79)	y_7(-53)	EEKPC(Carbamidomethyl)GF-H_2O(-51)	C(Carbamidomethyl)GFPHVEN-NH_3(-138) PC(Carbamidomethyl)GFPHVE(-178)	y_9(-77)

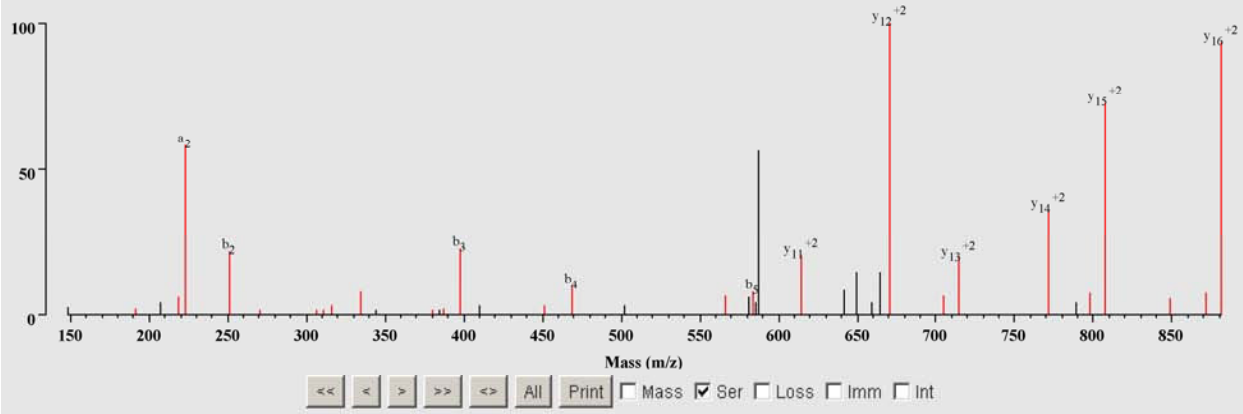
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1818.8228	909.9150
380.1452	---	3	**E**	14	1655.7595	828.3834
509.1878	---	4	**E**	13	1526.7169	763.8621
637.2828	319.1450	5	**K**	12	1397.6743	699.3408
734.3355	367.6714	6	**P**	11	1269.5793	635.2933
894.3662	447.6867	7	**C(Carbamidomethyl)**	10	1172.5266	586.7669
951.3877	476.1975	8	**G**	9	1012.4959	506.7516
1098.4561	549.7317	9	**F**	8	955.4744	478.2409
1195.5088	598.2581	10	**P**	7	808.4060	404.7067
1332.5677	666.7875	11	**H**	6	711.3533	356.1803
1431.6362	716.3217	12	**V**	5	574.2944	287.6508

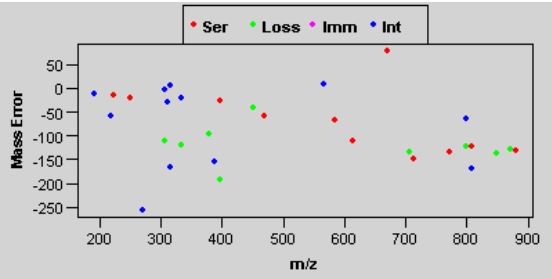
1560.6788	780.8430	13	**E**	4	475.2259	238.1166
1674.7217	837.8645	14	**N**	3	346.1833	173.5953
1731.7431	866.3752	15	**G**	2	232.1404	116.5738
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)ADSLESTPLPSPEDR^{+3}



Max Intensity: **11.3**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **80.4%** Matched Series Intensity: **80.7%**



Sequence SYM(Oxidation)ADSLESTPLPSPEDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C84 H132 N21 O34 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2012.0077	2010.8961	1006.5076	1005.9517	671.3409	670.9702

[–] Peak Matches

148.0332	191.0823	207.0978	219.0671	223.1042	251.0974	270.1119	306.1109	311.0968	316.0977
	M(Oxidation)A-28(-13)		M(Oxidation)A(-58)	a_2(-16)	b_2(-21)	LPS-28(-257)	M(Oxidation)AD-28(-3.0) a_3-SOCH$_4$(-111)	YM(Oxidation)(-30)	M(Oxidation)AD-H$_2$O (4.8) DSL(-166)
334.1000	**344.1382**	**380.0911**	**384.1258**	**387.1272**	**398.1271**	**410.1144**	**451.1464**	**469.1484**	**502.1968**
M(Oxidation)AD(-20) b_3-SOCH$_4$(-119)		b_3-H$_2$O(-96)		ADSL(-156) ESTP-28(-156)	b_3(-27) y_7-H$_2$O^{+2}(-192)		b_4-H$_2$O(-40)	YM(Oxidation)AD-28(-57) b_4(-57)	
566.1961	**581.5373**	**584.1625**	**585.7098**	**587.5321**	**614.2273**	**641.8992**	**649.5708**	**659.2328**	**664.8895**
b_5-H$_2$O(8.1) YM(Oxidation)ADS-H$_2$O (8.1)		YM(Oxidation)ADS(-68) b_5(-68)			y_{11}^{+2}(-112)				
670.8915	**705.2537**	**714.2471**	**771.7654**	**789.2524**	**798.2832**	**807.2870**	**848.7897**	**871.7868**	**880.7880**
y_{12}^{+2}(79)	y_{13}-H$_2$O^{+2}(-135)	y_{13}^{+2}(-150)	y_{14}^{+2}(-133)		YM(Oxidation)ADSLE-28(-63) y_{15}-H$_2$O^{+2}(-123)	y_{15}^{+2}(-123) SLESTPLP-H$_2$O(-170) LESTPLPS-H$_2$O(-170)	y_{16}-SOCH$_4^{+2}$(-136)	y_{16}-H$_2$O^{+2}(-128)	y_{16}^{+2}(-132)

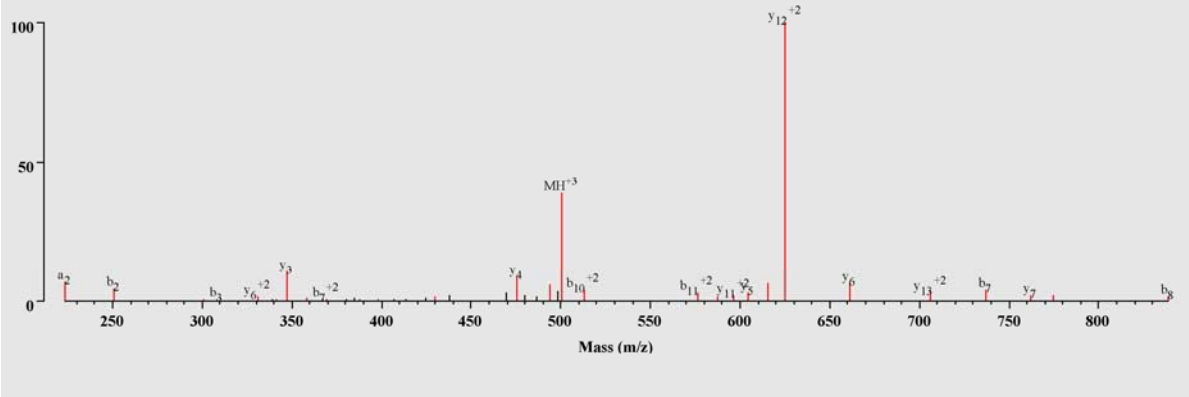
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	18 ---	---
251.1026	2	Y	17 1923.8640	962.4357
398.1380	3	M(Oxidation)	16 1760.8007	880.9040
469.1751	4	A	15 1613.7653	807.3863
584.2021	5	D	14 1542.7282	771.8677
671.2341	6	S	13 1427.7013	714.3543
784.3182	7	L	12 1340.6692	670.8383
913.3608	8	E	11 1227.5852	614.2962
1000.3928	9	S	10 1098.5426	549.7749
1101.4405	10	T	9 1011.5106	506.2589
1198.4932	11	P	8 910.4629	455.7351
1311.5773	12	L	7 813.4101	407.2087
1408.6301	13	P	6 700.3260	350.6667

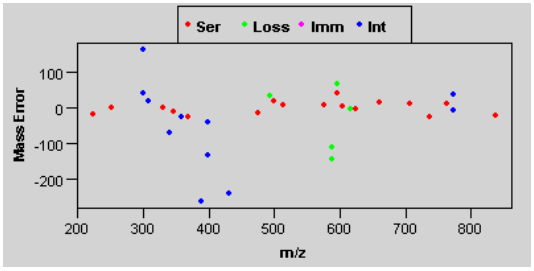
1495.6621	14	**S**	5	603.2733	302.1403
1592.7149	15	**P**	4	516.2413	258.6243
1721.7575	16	**E**	3	419.1885	210.0979
1836.7844	17	**D**	2	290.1459	145.5766
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGDKGETGEQGDR^{+3}



Max Intensity: **32.3**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **92.5%** Matched Series Intensity: **90.8%**



Sequence: SYGDKGETGEQGDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H92 N19 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1499.4994	1498.6405	750.2534	749.8239	500.5047	500.2183

[–] **Peak Matches**

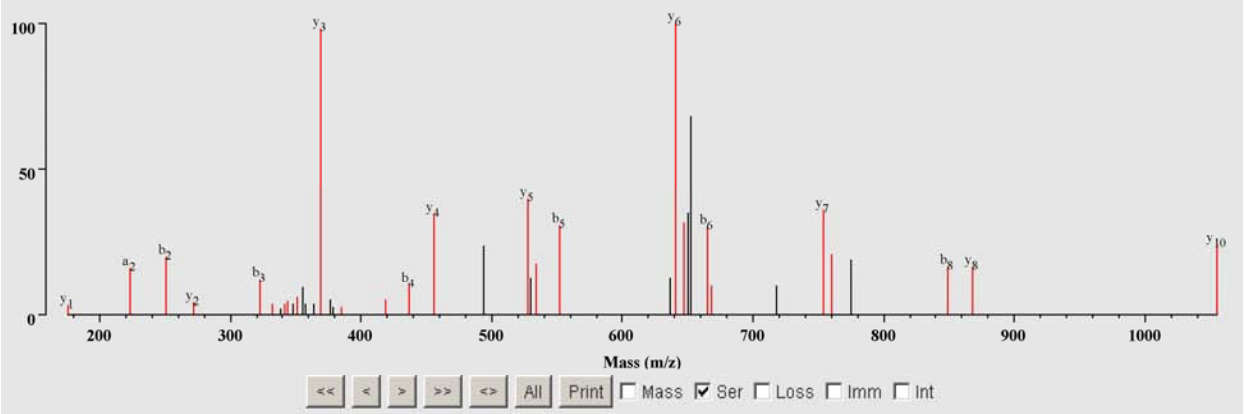
223.1040	251.1027	301.1637	308.1304	331.1494	339.0973	341.1221	347.1641	358.1629	367.1156
a_2(-17)	b_2(0.27)	QGD(164) GDK(43) DKG(43)	b_3(20) YGD-28(20)	y_6^{+2}(2.3)		GDKG-NH_3(-69)	y_3(-9.4)	GDKG(-26)	
369.1496	**380.1084**	**385.1183**	**388.0811**	**398.1512**	**407.0754**	**413.7541**	**424.7347**	**430.0533**	**438.0746**
b_7^{+2}(-25)			TGEQ-28(-262)	TGEQ-H_2O(-40) KGET-H_2O(-131)				EQGD(-241)	
469.3898	**475.2194**	**480.0848**	**486.7171**	**494.2320**	**498.2022**	**500.2282**	**512.7191**	**576.7489**	**587.1769**
	y_4(-14)			MH-H_2O^{+3}(35)		MH^{+3}(20)	b_{10}^{+2}(8.9)	b_{11}^{+2}(8.7)	y_5-NH_3(-111) y_{11}-H_2O^{+2}(-142)
596.2898	**604.2703**	**615.7700**	**624.7745**	**661.2995**	**706.3156**	**737.2920**	**762.3464**	**774.3206**	**838.3403**
b_{12}-H_2O^{+2}(68) y_{11}^{+2}(41)	y_5(2.9)	y_{12}-H_2O^{+2}(-1.4)	y_{12}^{+2}(-2.7)	y_6(14)	y_{13}^{+2}(11)	b_7(-24)	y_7(11)	GETGEQGD(39) GDKGETGE(-7.5)	b_8(-21)

[–] **Main Sequence Ions**

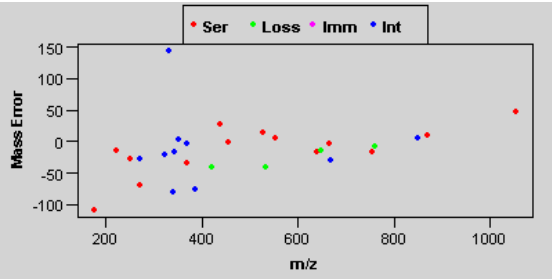
b	b^{+2}			y	y^{+2}
---	---	1	**S** 14	---	---
251.1026	---	2	**Y** 13	1411.6084	706.3079
308.1241	---	3	**G** 12	1248.5451	624.7762
423.1510	---	4	**D** 11	1191.5236	596.2655
551.2460	276.1266	5	**K** 10	1076.4967	538.7520
608.2675	304.6374	6	**G** 9	948.4017	474.7045
737.3101	369.1587	7	**E** 8	891.3803	446.1938
838.3577	419.6825	8	**T** 7	762.3377	381.6725
895.3792	448.1932	9	**G** 6	661.2900	331.1486
1024.4218	512.7145	10	**E** 5	604.2685	302.6379
1152.4804	576.7438	11	**Q** 4	475.2259	238.1166
1209.5018	605.2546	12	**G** 3	347.1674	174.0873
1324.5288	662.7680	13	**D** 2	290.1459	145.5766
---	---	14	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYADDILASPPR^{+2}



Max Intensity: **1.84**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **73.9%** Matched Series Intensity: **73.9%**



Sequence SYADDILASPPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H90 N15 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1305.4387	1304.6481	653.2231	652.8277

[–] **Peak Matches**

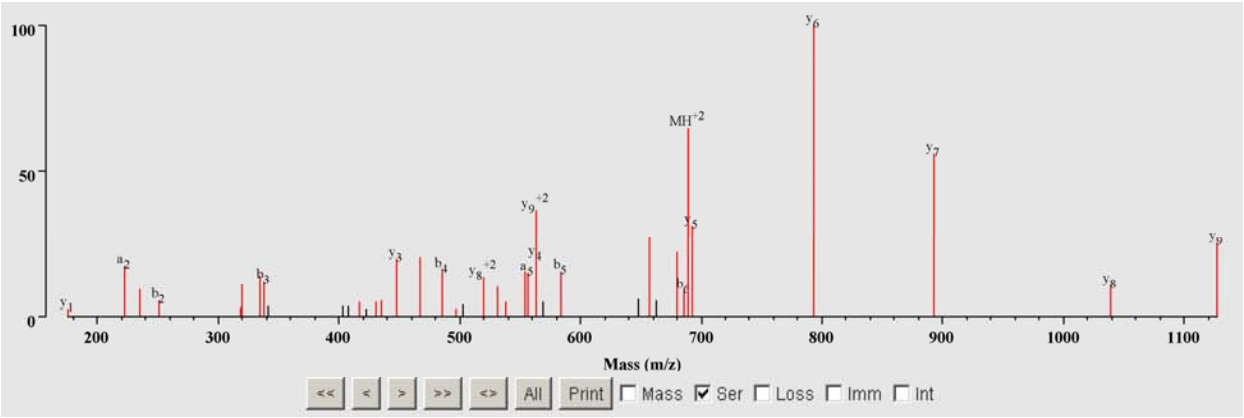
175.0999	223.1046	251.0958	272.1530	322.1332	332.1720	338.1502	341.1908	344.1396	348.1811
y_1(-109)	a_2(-14)	b_2(-27)	LAS(-27) y_2(-69)	b_3(-20) YAD-28(-20)	YAD-H_2O(144)		LASP-28(-81)	DDI(-16)	
351.2042	**355.0586**	**357.0643**	**364.1785**	**369.2118**	**376.1920**	**378.2030**	**385.2153**	**419.1395**	**437.1785**
LASP-H_2O(4.3)				LASP(-3.9) y_3(-34)			ILAS(-76) DILA-28(-76)	b_4-H_2O(-40)	YADD-28(27) b_4(27)
456.2564	**494.2679**	**527.3010**	**529.7751**	**534.1610**	**552.1963**	**636.3611**	**640.3668**	**647.2571**	**650.3189**
y_4(-0.24)		y_5(14)		b_5-H_2O(-41)	b_5(4.8)		y_6(-17)	b_6-H_2O(-15)	
652.3384	**665.2750**	**668.3057**	**718.3652**	**753.4499**	**760.3454**	**775.4398**	**849.4039**	**868.4972**	**1054.6033**
	b_6(-4.1)	ADDILAS-H_2O(-29)		y_7(-16)	b_7-H_2O(-7.6)		b_8(5.9) YADDILAS(5.9)	y_8(9.8)	y_{10}(48)

[–] **Main Sequence Ions**

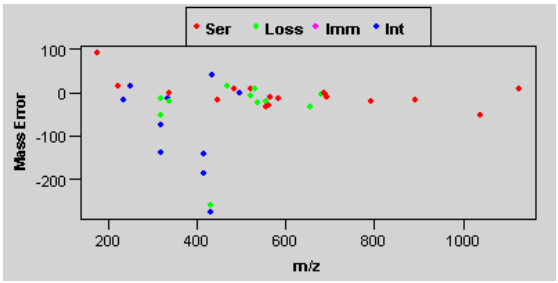
b			y	y^{+2}
---	1	S	12 ---	---
251.1026	2	Y	11 1217.6161	609.3117
322.1397	3	A	10 1054.5527	527.7800
437.1667	4	D	9 983.5156	492.2615
552.1936	5	D	8 868.4887	434.7480
665.2777	6	I	7 753.4618	377.2345
778.3618	7	L	6 640.3777	320.6925
849.3989	8	A	5 527.2936	264.1504
936.4309	9	S	4 456.2565	228.6319
1033.4837	10	P	3 369.2245	185.1159
1130.5364	11	P	2 272.1717	136.5895
---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSM(Oxidation)VTEDLC(Carbamidomethyl)R^{+2}



Max Intensity: **5.03**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **94.9%** Matched Series Intensity: **93.8%**



Sequence: SYSM(Oxidation)VTEDLC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H90 N15 O22 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1377.2170	1376.5821	689.1122	688.7947

[–] Peak Matches

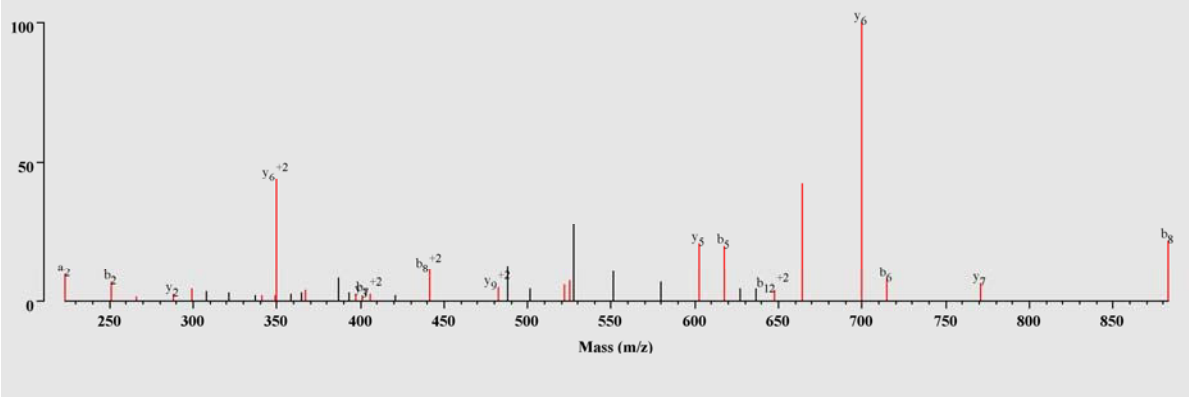
175.1350	223.1113	235.0709	251.1062	318.1058	320.1193	334.1389	338.1347	342.0196	403.1491
y_1(92)	YS-28(16) a_2(16)	SM(Oxidation)(-16)	b_2(14) YS(14)	y_2-NH_3(-54) TED-28(-75)	b_3-H_2O(-15) M(Oxidation)VT-28(-139)	SM(Oxidation)V(-13)	b_3(0.11) y_5-NH_3^{+2}(-21)		
408.1354	**417.1205**	**422.1766**	**431.0941**	**435.2086**	**448.2263**	**467.1660**	**485.1751**	**497.2058**	**502.2154**
	SM(Oxidation)VT-H_2O(-143) VTED-28(-186)		y_3-NH_3(-262) TEDL-28(-277)	SM(Oxidation)VT(41)	y_3(-16)	b_4-H_2O(14)	b_4(10)	YSM(Oxidation)V(-1.3)	
520.2359	**531.7523**	**538.2206**	**554.7307**	**556.2252**	**563.2444**	**563.7409**	**569.2956**	**584.2299**	**647.7853**
y_8^{+2}(9.4) b_5-$SOCH_4$(-8.2)	y_9-$SOCH_4^{+2}$(8.4)	a_5-H_2O(-23)	y_9-H_2O^{+2}(-20)	a_5(-33)	y_4(-29)	y_9^{+2}(-11)		b_5(-15)	
656.7742	**662.7370**	**679.7874**	**685.2862**	**688.7912**	**692.2953**	**793.3356**	**892.4048**	**1039.4014**	**1126.4985**
MH-$SOCH_4^{+2}$(-32)		MH-H_2O^{+2}(-2.9)	b_6(0.068)	MH^{+2}(-5.0)	y_5(-11)	y_6(-19)	y_7(-16)	y_8(-51)	y_9(10)

[–] Main Sequence Ions

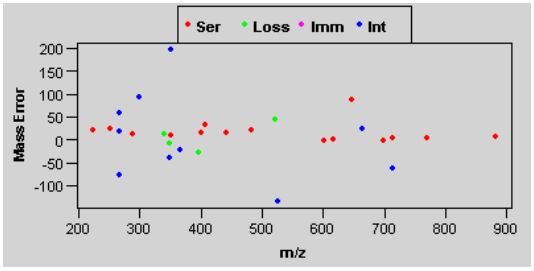
b			y	y^{+2}
---	1	S	11 ---	---
251.1026	2	Y	10 1289.5500	645.2787
338.1347	3	S	9 1126.4867	563.7470
485.1701	4	M(Oxidation)	8 1039.4547	520.2310
584.2385	5	V	7 892.4193	446.7133
685.2862	6	T	6 793.3509	397.1791
814.3287	7	E	5 692.3032	346.6552
929.3557	8	D	4 563.2606	282.1339
1042.4398	9	L	3 448.2337	224.6205
1202.4704	10	C(Carbamidomethyl)	2 335.1496	168.0784
---	11	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTHQPPAPNSLIR^{+3}



Max Intensity: **18.9**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **75.9%** Matched Series Intensity: **75.5%**



Sequence SYTHQPPAPNSLIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C70 H110 N21 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1581.7823	1580.8180	791.3949	790.9126	527.9324	527.6108

[–] **Peak Matches**

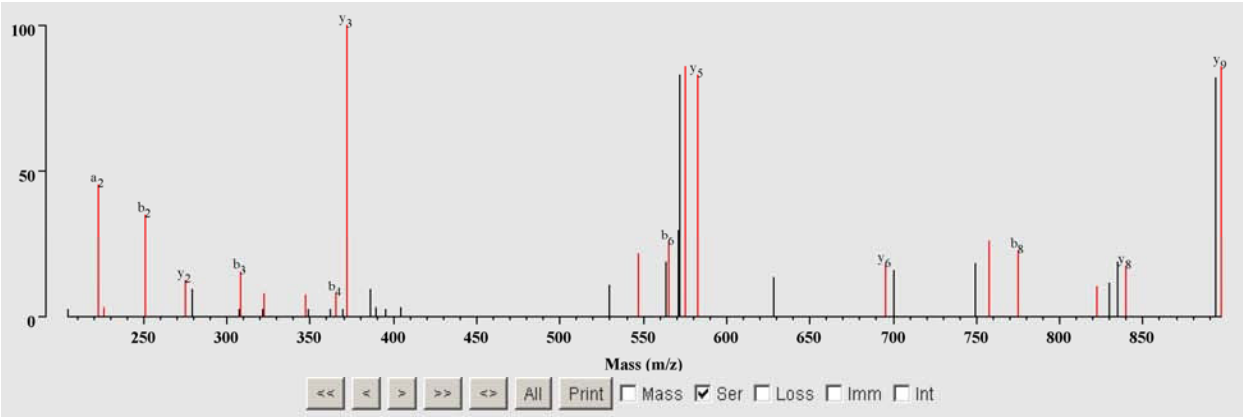
223.1125	251.1087	266.1293	288.2065	299.1631	308.1270	321.1261	337.1028	341.2096	349.1474
a_2(21)	b_2(24)	APN-NH_3(59) HQ(17) PAP(-77) PPA(-77)	y_2(12)	PNS(94)				y_6-H_2O^{+2}(11)	b_6-NH_3^{+2}(-9.3) THQ-H_2O(-41)
350.2147	**358.1832**	**365.1415**	**367.1645**	**387.1997**	**393.2089**	**397.1737**	**401.2925**	**406.2031**	**421.2152**
THQ-NH_3(197) y_6^{+2}(10)			THQ(-22)			b_7-H_2O^{+2}(-29)	y_3(14)	b_7^{+2}(32)	
441.7159	**482.7930**	**487.7429**	**501.2512**	**521.9590**	**525.2320**	**527.2575**	**550.7937**	**579.8068**	**602.3615**
b_8^{+2}(16)	y_9^{+2}(22)			MH-NH_3^{+3}(45)	PNSLI(-135)				y_5(-0.89)
617.2677	**626.8606**	**636.3422**	**647.3705**	**663.8454**	**664.3576**	**699.4124**	**714.3224**	**770.4537**	**882.4167**
b_5(-0.083)			b_{12}^{+2}(86)		QPPAPNS-28(25)	y_6(-3.4)	b_6(2.6) HQPPAPN-28(-64)	y_3(2.3)	b_8(7.1)

[–] **Main Sequence Ions**

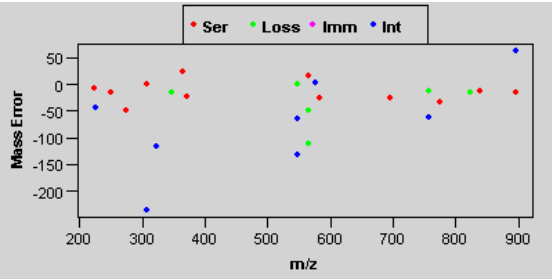
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1493.7859	747.3966
352.1503	---	3	**T**	12	1330.7226	665.8649
489.2092	245.1083	4	**H**	11	1229.6749	615.3411
617.2678	309.1375	5	**Q**	10	1092.6160	546.8116
714.3206	357.6639	6	**P**	9	964.5574	482.7824
811.3733	406.1903	7	**P**	8	867.5047	434.2560
882.4104	441.7089	8	**A**	7	770.4519	385.7296
979.4632	490.2352	9	**P**	6	699.4148	350.2110
1093.5061	547.2567	10	**N**	5	602.3620	301.6847
1180.5382	590.7727	11	**S**	4	488.3191	244.6632
1293.6222	647.3148	12	**L**	3	401.2871	201.1472
1406.7063	703.8568	13	**I**	2	288.2030	144.6051
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGSIPIPQK^{+2}



Max Intensity: **4.58**
Num Matched: **19/40 (52.5% unmatched)** Matched Intensity: **64.6%** Matched Series Intensity: **63.7%**



Sequence SYGGSIPIPQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C52 H84 N13 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1147.3244	1146.6154	574.1659	573.8113

[–] **Peak Matches**

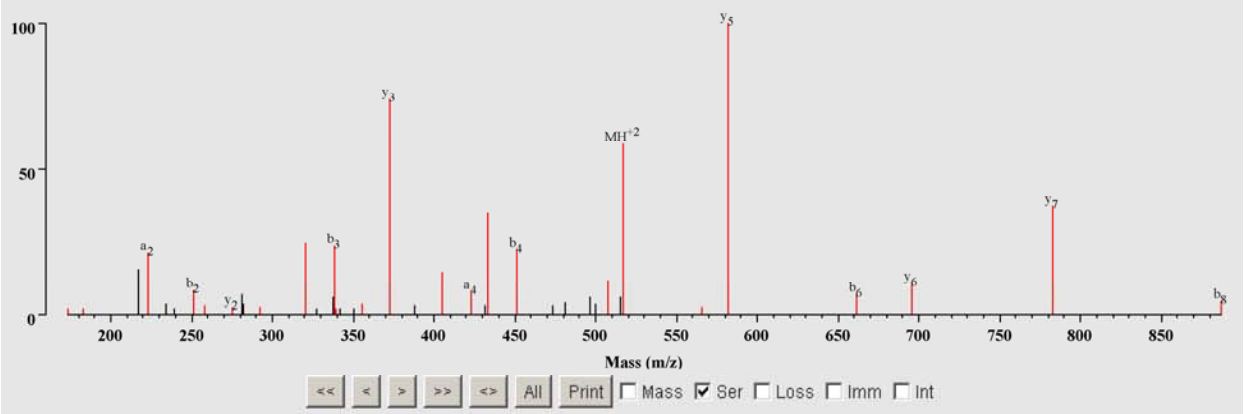
204.1372	223.1060	226.1090	251.0988	275.1578	279.1665	307.1530	308.1242	321.1045	322.1383
	a_2(-7.7)	PQ(-43)	b_2(-15)	y_2(-49)			b_3(0.33) PIP(-236)		IPQ-NH_3(-117)
347.1293	**349.1302**	**362.1925**	**365.1545**	**369.1718**	**372.2151**	**386.2154**	**389.1712**	**395.1429**	**404.2200**
YGGS-H_2O(-16) b_4-H_2O(-16)			YGGS(24) b_4(24)		y_3(-24)				
529.2306	**547.2519**	**563.2520**	**565.2710**	**571.2819**	**572.2619**	**575.2842**	**582.3457**	**628.3258**	**695.4276**
	b_6-H_2O(1.5) YGGSIP-28(-65) GSIPIP-H_2O(-131)		b_6(17) MH-NH_3^{+2}(-48) GSIPIP(-112) y_5-NH_3(-112)			YGGSIP(3.1)	y_5(-26)		y_6(-25)
700.3485	**749.3635**	**757.3781**	**775.3739**	**822.4601**	**829.4429**	**834.3897**	**839.4883**	**893.4381**	**896.5076**
		b_8-H_2O(-13) YGGSIPIP-28(-61)	b_8(-32)	y_8-NH_3(-14)			y_8(-12)		YGGSIPIPQ-NH_3(63) y_9(-14)

[–] **Main Sequence Ions**

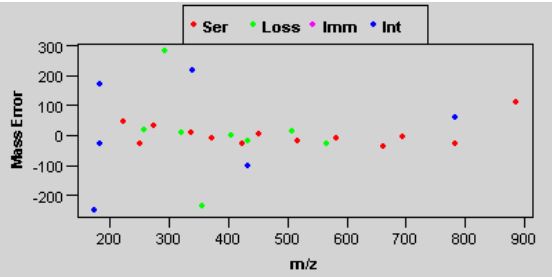
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1059.5833	530.2953
308.1241	3	G	9	896.5200	448.7636
365.1456	4	G	8	839.4985	420.2529
452.1776	5	S	7	782.4771	391.7422
565.2617	6	I	6	695.4450	348.2262
662.3144	7	P	5	582.3610	291.6841
775.3985	8	I	4	485.3082	243.1577
872.4512	9	P	3	372.2241	186.6157
1000.5098	10	Q	2	275.1714	138.0893
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSIPIPQK^{+2}



Max Intensity: **4.06**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **86.9%** Matched Series Intensity: **85.0%**



Sequence: SYSIPIPQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C48 H78 N11 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1033.2199	1032.5724	517.1137	516.7898

[–] Peak Matches

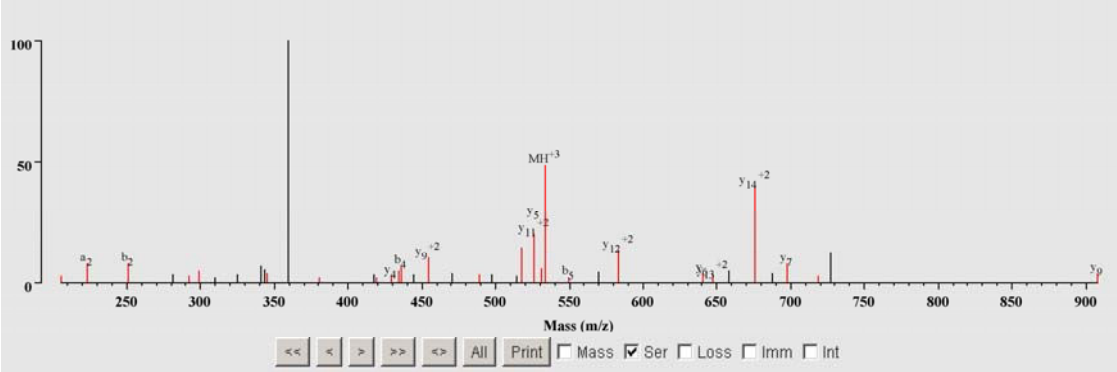
173.0852	183.1437	217.1187	223.1179	234.1335	239.1148	251.0953	258.1500	275.1807	281.0482
SI-28(-250)	SI-H_2O(169) IP-28(-30) PI-28(-30)		YS-28(46) a_2(46)			YS(-29) b_2(-29)	y_2-NH_3(20)	y_2(34)	
282.3014	**292.2115**	**320.1270**	**327.2248**	**337.1958**	**338.1383**	**339.2756**	**342.2103**	**350.1723**	**355.1144**
	a_3-H_2O(282)	b_3-H_2O(9.1)			b_3(11)	IPQ(215)			y_3-NH_3(-234)
372.2214	**388.1295**	**405.2139**	**423.2113**	**431.1561**	**433.2001**	**451.2208**	**473.8036**	**481.3063**	**496.3051**
y_3(-7.4)		a_4-H_2O(1.6)	a_4(-30)		b_4-H_2O(-19) YSIP-28(-103)	b_4(4.6)			
500.3252	**507.7911**	**515.2220**	**516.7805**	**565.3181**	**582.3559**	**661.3306**	**695.4407**	**782.4551**	**886.5657**
	MH-H_2O^{+2}(13)		MH^{+2}(-18)	y_5-NH_3(-29)	y_5(-8.7)	b_6(-38)	y_6(-6.2)	YSIPIPQ-NH_3(60) y_7(-28)	b_8(111)

[–] Main Sequence Ions

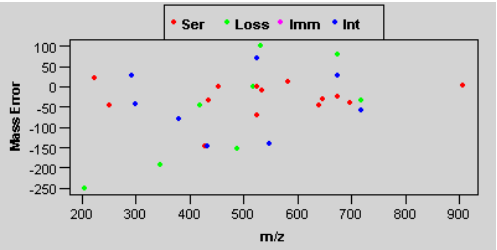
b			y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	945.5404	473.2738
338.1347	3	S	7	782.4771	391.7422
451.2187	4	I	6	695.4450	348.2262
548.2715	5	P	5	582.3610	291.6841
661.3556	6	I	4	485.3082	243.1577
758.4083	7	P	3	372.2241	186.6157
886.4669	8	Q	2	275.1714	138.0893
---	9	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGQLGSPLGNPPGKK^{+3}



Max Intensity: **17.0**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **58.2%** Matched Series Intensity: **52.3%**



Sequence SYGQLGSPLGNPPGKK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C71 H115 N20 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1600.8260	1599.8489	800.9167	800.4281	534.2803	533.9545

[–] **Peak Matches**

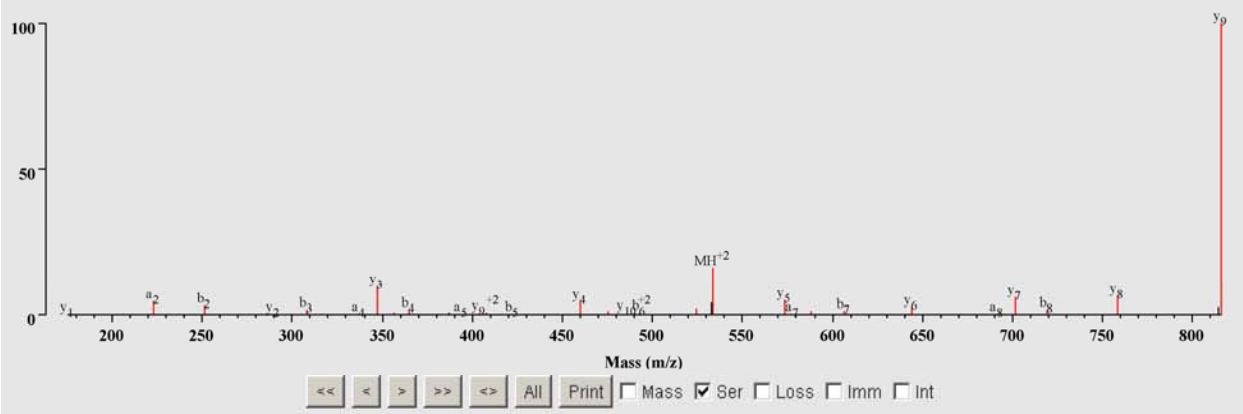
205.0456	223.1122	251.0908	281.0562	292.1371	299.1581	310.1668	325.1345	341.0401	343.0441
a_2-H_2O(-251)	a_2(20)	b_2(-47)		NPP-NH_3(27)	GQL(-44) QLG(-44)				
345.1311	**359.0521**	**380.1984**	**417.1378**	**419.1367**	**429.2188**	**434.1757**	**436.1675**	**444.2325**	**454.2714**
y_{11}-H_2O^{+3}(-193)		PPGK(-81)		b_4-NH_3(-46)	y_4(-147)	YGQL-28(-148)	b_4(-35)		y_9^{+2}(-0.50)
470.7352	**488.7069**	**497.0454**	**514.2430**	**517.2926**	**526.2981**	**531.3098**	**533.9503**	**549.1896**	**569.3438**
	y_{10}-H_2O^{+2}(-154)			y_{11}-H_2O^{+2}(-0.95)	GSPLGN(69) y_{11}^{+2}(-0.52) y_5(-70)	b_5-H_2O(101)	MH^{+3}(-7.9)	b_5(-140) SPLGNP-NH_3(-140)	
582.8470	**640.3491**	**646.8504**	**658.3649**	**675.3635**	**687.3412**	**697.3711**	**718.3460**	**726.8884**	**907.5394**
y_{12}^{+2}(11)	y_6(-45)	y_{13}^{+2}(-30)		b_2-H_2O(80) YGQLGSP-28(26) y_{14}^{+2}(-25)		y_7(-40)	b_{15}-H_2O^{+2}(-33) LGSPLGNP-H_2O(-59)		y_9(3.8)

[–] **Main Sequence Ions**

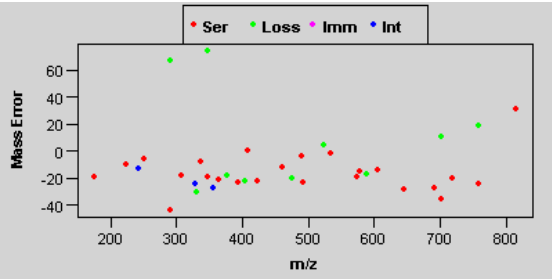
b	b^{+2}			y	y^{+2}
---	---	1	**S** 16	---	---
251.1026	---	2	**Y** 15	1512.8169	756.9121
308.1241	---	3	**G** 14	1349.7536	675.3804
436.1827	---	4	**Q** 13	1292.7321	646.8697
549.2667	---	5	**L** 12	1164.6735	582.8404
606.2882	---	6	**G** 11	1051.5895	526.2984
693.3202	---	7	**S** 10	994.5680	497.7876
790.3730	---	8	**P** 9	907.5360	454.2716
903.4571	---	9	**L** 8	810.4832	405.7452
960.4785	---	10	**G** 7	697.3991	349.2032
1074.5214	---	11	**N** 6	640.3777	320.6925
1171.5742	---	12	**P** 5	526.3348	263.6710
1268.6270	---	13	**P** 4	429.2820	215.1446
1325.6484	---	14	**G** 3	332.2292	166.6183
1453.7434	727.3753	15	**K** 2	275.2078	138.1075
---	---	16	**K** 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGGALLGDR^{+2}



Max Intensity: **1127**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **95.5%** Matched Series Intensity: **95.0%**



Sequence SYGGGALLGDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C45 H73 N14 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1066.1656	1065.5323	533.5865	533.2698

[–] **Peak Matches**

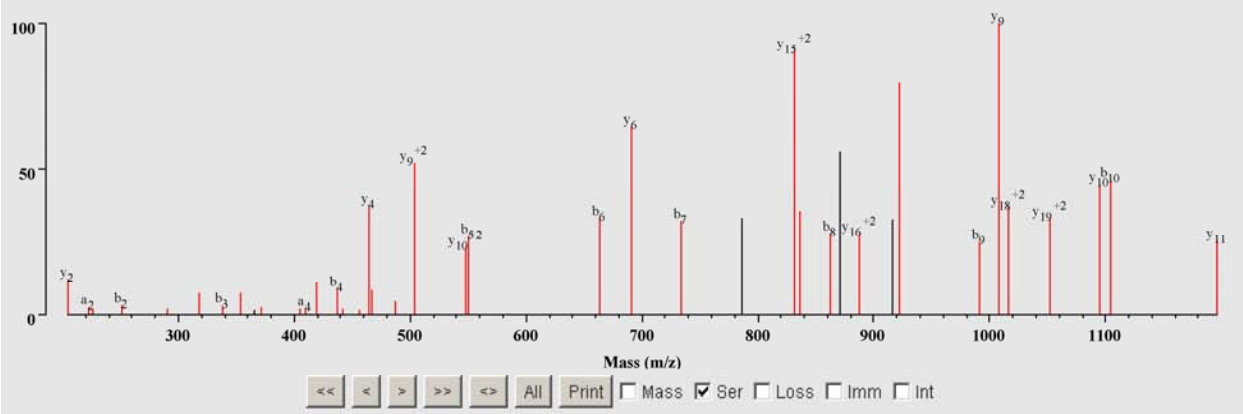
175.1156	**223.1054**	**243.1056**	**251.1012**	**290.1331**	**308.1187**	**328.1900**	**330.1305**	**337.1480**	**345.1671**
y_1(-19)	a_2(-10)	GGGA(-13)	b_2(-5.7)	b_3-H_2O(67) y_2(-44)	b_3(-18)	GGGAL-28(-24)	y_3-NH_3(-31)	a_4(-7.8)	
347.1606	**356.1827**	**361.1409**	**365.1378**	**376.1549**	**387.1214**	**394.1629**	**404.1474**	**408.2220**	**422.1579**
b_4-H_2O(74) y_3(-19)	GGGAL(-28)		b_4(-21)	a_5-H_2O(-18)		a_5(-23)	b_5-H_2O(-22)	y_9^{+2}(-0.33)	b_5(-22)
458.1587	**460.2458**	**475.1843**	**489.7518**	**493.1930**	**523.7771**	**524.2668**	**532.7771**	**533.2687**	**573.3244**
	y_4(-12)	b_6-H_2O(-20)	y_{10}^{+2}(-4.1)	b_6(-23)		MH-H_2O^{+2}(4.3)		MH^{+2}(-2.1)	y_5(-19)
578.2848	**588.2674**	**606.2799**	**644.3540**	**691.3579**	**701.3687**	**719.3579**	**758.3975**	**814.4455**	**815.4624**
a_7(-15)	b_7-H_2O(-17)	b_7(-14)	y_6(-29)	a_8(-28)	b_8-H_2O(10.0) y_7(-36)	b_8(-20)	b_9-H_2O(19) y_8(-24)		y_9(31)

[–] **Main Sequence Ions**

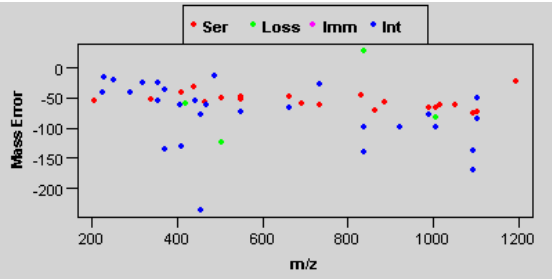
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	978.5003	489.7538
308.1241	3	G 9	815.4370	408.2221
365.1456	4	G 8	758.4155	379.7114
422.1670	5	G 7	701.3941	351.2007
493.2041	6	A 6	644.3726	322.6899
606.2882	7	L 5	573.3355	287.1714
719.3723	8	L 4	460.2514	230.6293
776.3937	9	G 3	347.1674	174.0873
891.4207	10	D 2	290.1459	145.5766
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVLLAQELPQQLTSPGYPEPYGK^{+3}



Max Intensity: **17.3**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **88.2%** Matched Series Intensity: **88.2%**



Sequence SYSVLLAQELPQQLTSPGYPEPYGK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C127 H194 N29 O40

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2767.1273	2765.4032	1384.0674	1383.2053	923.0474	922.4726

[–] Peak Matches

204.1232	223.0985	226.1153	251.0974	290.1379	318.1369	338.1166	354.1575	366.1219	371.1788
y_2(-54)	a_2(-41) YS-28(-41)	PQ(-15)	b_2(-21) YS(-21)	PYG-28(-41) GYP-28(-41) PGY-28(-41)	PYG(-25) GYP(-25) PGY(-25)	b_3(-53)	QEL-NH_3(-24) PQQ(-56)		QEL(-37) LTSP-28(-135)
405.1522	**409.1912**	**419.1678**	**437.1890**	**442.2058**	**456.2099**	**464.2233**	**467.2317**	**487.2121**	**504.2194**
SPGY(-61)	a_4(-41) LLAQ-NH_3(-130)	EPYG-28(-59) GYPE-28(-59) b_4-H_2O(-59)	b_4(-32)	LAQE(-54) AQEL(-54)	LTSPG(-78) SVLLA-28(-237)	y_4(-58)	PQQL(-63) LPQQ(-63)	PEPY(-14) YPEP(-14)	y_9^{+2}(-51) a_5-H_2O(-123)
547.7348	**550.2582**	**663.3384**	**690.3044**	**734.3627**	**785.8820**	**831.3745**	**836.4058**	**862.4065**	**870.9152**
y_{10}^{+2}(-48)	b_5(-53) PQQLT-H_2O(-73)	b_6(-49) LPQQLT-H_2O(-66)	y_6(-60)	PQQLTSP-H_2O(-28) b_7(-62)		y_{15}^{+2}(-45)	y_7-NH_3(28) SVLLAQEL-H_2O(-98) VLLAQELP-28(-141)	b_8(-70)	
887.9026	**916.6229**	**922.4080**	**991.4443**	**1007.4160**	**1016.4415**	**1051.9575**	**1094.4330**	**1104.5116**	**1195.5369**
y_{16}^{+2}(-58)		LPQQLTSPG(-99)	b_9(-66) AQELPQQLT-H_2O(-77)	y_9(-67) y_{18}-H_2O^{+2}(-83) QELPQQLTS-H_2O(-99)	y_{18}^{+2}(-62)	y_{19}^{+2}(-63)	y_{10}(-75) QELPQQLTSP-28(-138) LAQELPQQLT-28(-171)	QELPQQLTSP-H_2O(-51) b_{10}(-74) LAQELPQQLT-H_2O(-84)	y_{11}(-22)

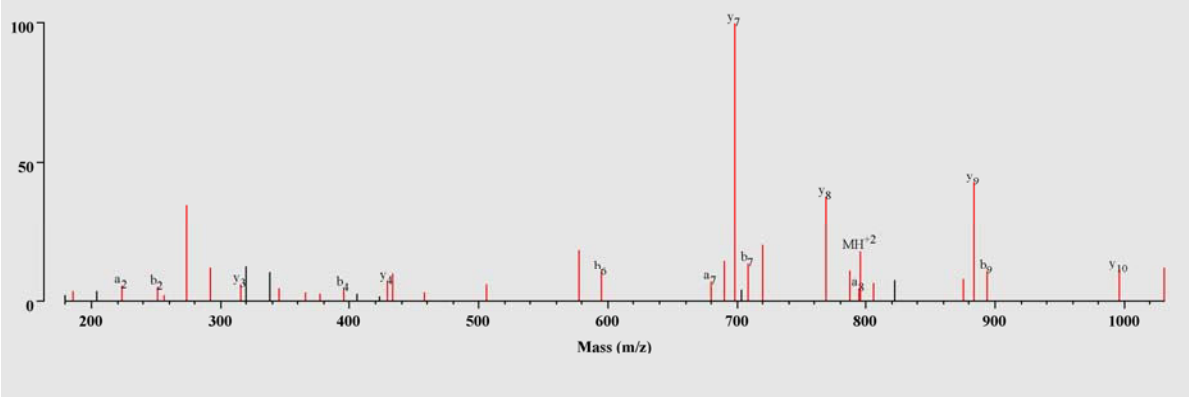
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	2678.3712	1339.6892
338.1347	3	S	2515.3079	1258.1576
437.2031	4	V	2428.2759	1214.6416
550.2871	5	L	2329.2074	1165.1074
663.3712	6	L	2216.1234	1108.5653
734.4083	7	A	2103.0393	1052.0233
862.4669	8	Q	2032.0022	1016.5047
991.5095	9	E	1903.9436	952.4754
1104.5936	10	L	1774.9010	887.9542
1201.6463	11	P	1661.8170	831.4121
1329.7049	12	Q	1564.7642	782.8857
1457.7635	13	Q	1436.7056	718.8564
1570.8475	14	L	1308.6470	654.8272
1671.8952	15	T	1195.5630	598.2851

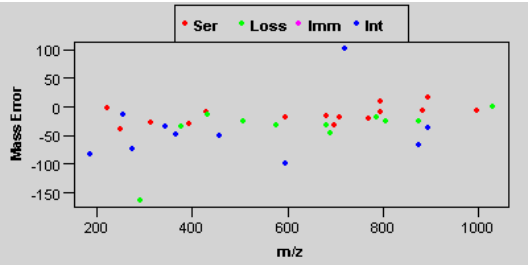
1758.9272	16	**S**	10	1094.5153	547.7613
1855.9800	17	**P**	9	1007.4833	504.2453
1913.0015	18	**G**	8	910.4305	455.7189
2076.0648	19	**Y**	7	853.4090	427.2082
2173.1176	20	**P**	6	690.3457	345.6765
2302.1602	21	**E**	5	593.2930	297.1501
2399.2129	22	**P**	4	464.2504	232.6288
2562.2762	23	**Y**	3	367.1976	184.1024
2619.2977	24	**G**	2	204.1343	102.5708
---	25	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSEAINAPGDNPAK^{+2}



Max Intensity: **8.85**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **91.0%** Matched Series Intensity: **90.4%**



Sequence SYGSEAINAPGDNPAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C67 H104 N19 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1591.6846	1590.7394	796.3460	795.8734

[–] **Peak Matches**

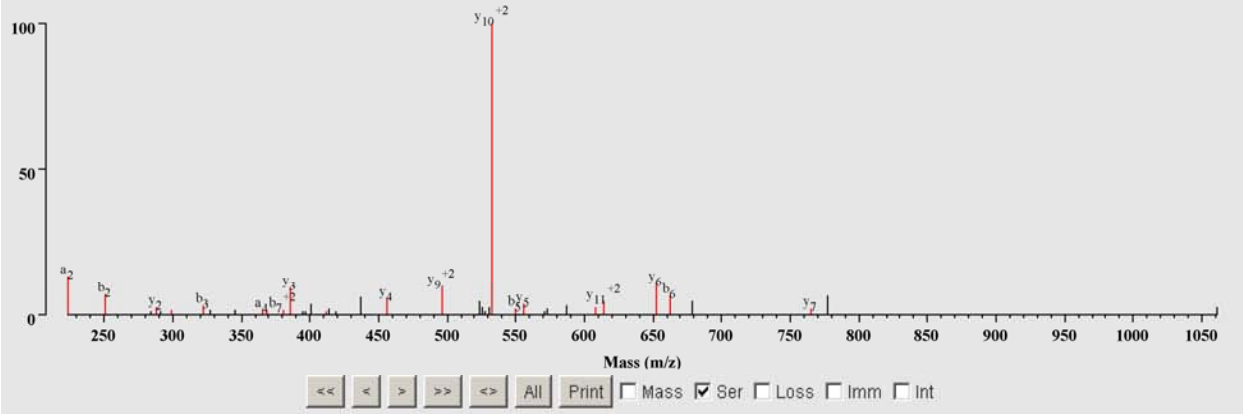
179.0307	186.0717	204.0858	223.1074	251.0928	256.0893	274.0833	292.0974	315.1939	320.1131
	NA(-84)		a_2(-1.4)	b_2(-39)	GSE-H_2O(-14)	GSE(-73)	y_6-H_2O^{+2}(-164)	y_3(-28)	
338.1189	**345.1288**	**366.1228**	**377.1325**	**395.1448**	**405.2292**	**423.2324**	**429.2413**	**433.2057**	**458.2014**
	GSEA(-34)	PGDN-H_2O(-49) GDNP-H_2O(-49)	b_4-H_2O(-35)	b_4(-29)			y_4(-10)	y_9-H_2O^{+2}(-14)	GSEAI(-50)
506.1755	**577.2064**	**595.2254**	**680.3147**	**690.2766**	**698.3236**	**703.2723**	**708.3064**	**720.3682**	**769.3685**
b_5-H_2O(-25)	b_6-H_2O(-33)	b_6(-18) APGDNPA-28(-98)	a_7(-15) y_7-H_2O(-32)	b_7-H_2O(-47)	y_7(-33)		b_7(-19)	NAPGDNPA-NH_3(102)	GSEAINAPG-28(-20) y_8(-20)
787.3460	**794.3758**	**795.8651**	**805.3162**	**821.9200**	**875.3671**	**883.4200**	**893.4155**	**996.5052**	**1030.4482**
MH-NH_3^{+2}(-18)	a_8(9.9)	MH^{+2}(-10)	b_8-NH_3(-25)		b_9-H_2O(-25) YGSEAINAP-28(-67)	y_9(-7.7)	b_9(17) AINAPGDNPA-28(-36)	y_{10}(-5.7)	b_{11}-NH_3(0.57)

[–] **Main Sequence Ions**

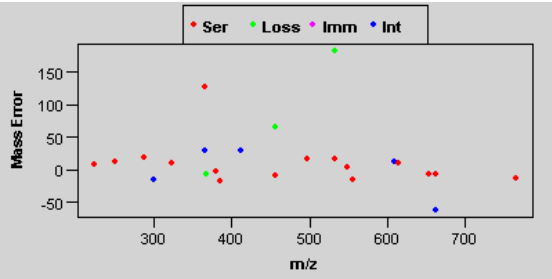
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1503.7074	752.3573
308.1241	3	G	1340.6441	670.8257
395.1561	4	S	1283.6226	642.3149
524.1987	5	E	1196.5906	598.7989
595.2358	6	A	1067.5480	534.2776
708.3199	7	I	996.5109	498.7591
822.3628	8	N	883.4268	442.2170
893.3999	9	A	769.3839	385.1956
990.4527	10	P	698.3468	349.6770
1047.4742	11	G	601.2940	301.1506
1162.5011	12	D	544.2726	272.6399
1276.5440	13	N	429.2456	215.1264
1373.5968	14	P	315.2027	158.1050
1444.6339	15	A	218.1499	109.5786
---	16	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAARLPVAPLR^{+3}



Max Intensity: **43.2**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **78.5%** Matched Series Intensity: **78.5%**



Sequence SYAARLPVAPLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H101 N18 O15

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1314.5831	1313.7688	657.7953	657.3881	438.8660	438.5945

[–] Peak Matches

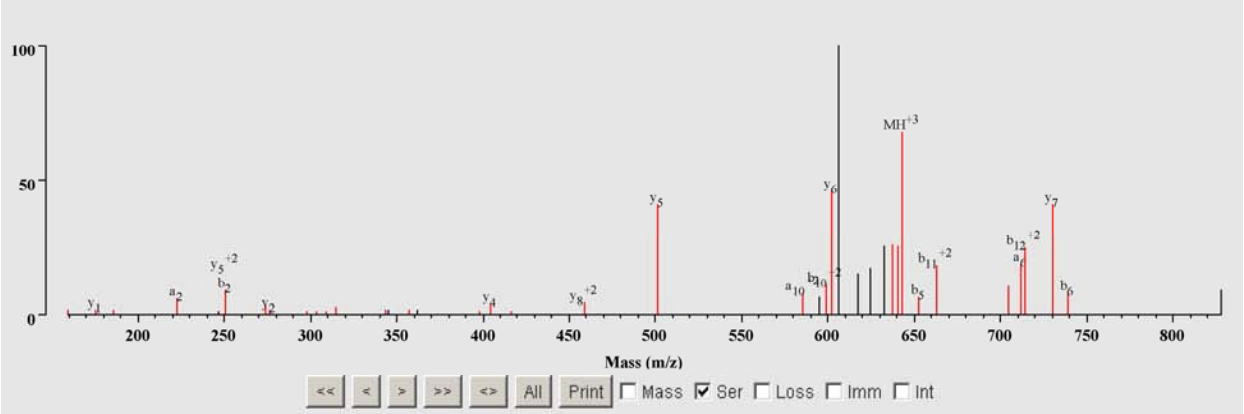
223.1096	251.1057	284.1299	288.2081	291.2030	299.1778	322.1429	327.2115	345.2198	365.2285
a_2(8.4)	b_2(12)		y_2(18)		AAR(-16)	b_3(9.8)			a_4(127) PVAP(28)
368.2263	**380.2099**	**385.2484**	**394.2249**	**397.2093**	**401.1844**	**412.2787**	**414.2355**	**419.2652**	**437.2198**
y_3-NH_3(-8.0)	b_7^{+2}(-3.0)	y_3(-19)				AARL(29)			
456.2886	**496.8299**	**523.3093**	**525.3227**	**527.3553**	**530.8104**	**532.3489**	**549.2798**	**555.3525**	**571.3295**
b_9-H_2O^{+2}(66) y_4(-9.4)	y_9^{+2}(16)					b_5-NH_3(183) y_{10}^{+2}(16)	b_5(3.3)	y_5(-16)	
573.3448	**587.3357**	**608.3956**	**613.8779**	**652.4087**	**662.3566**	**678.3747**	**765.4883**	**777.4475**	**1060.5361**
		ARLPVA(13) AARLPV(13)	y_{11}^{+2}(9.5)	y_6(-8.2)	b_6(-8.1) AARLPVA-NH_3(-63)		y_7(-13)		

[–] Main Sequence Ions

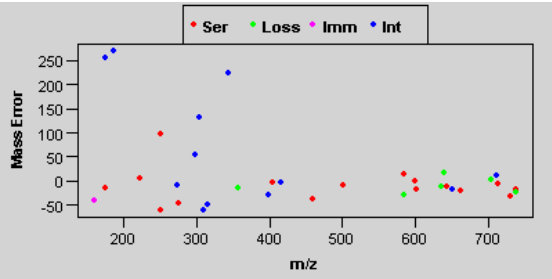
b	b^{+2}			y	y^{+2}
---	---	1	S 12	---	---
251.1026	---	2	Y 11	1226.7368	613.8720
322.1397	---	3	A 10	1063.6735	532.3404
393.1769	---	4	A 9	992.6364	496.8218
549.2780	275.1426	5	R 8	921.5992	461.3033
662.3620	331.6847	6	L 7	765.4981	383.2527
759.4148	380.2110	7	P 6	652.4141	326.7107
858.4832	429.7452	8	V 5	555.3613	278.1843
929.5203	465.2638	9	A 4	456.2929	228.6501
1026.5731	513.7902	10	P 3	385.2558	193.1315
1139.6572	570.3322	11	L 2	288.2030	144.6051
---	---	12	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLC(Carbamidomethyl)KSSGQWQTPGATR^{+3}



Max Intensity: **13.3**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **69.1%** Matched Series Intensity: **63.0%**



Sequence: SYLC(Carbamidomethyl)KSSGQWQTPGATR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C82 H128 N25 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1927.9814	1926.9127	964.4944	963.9600	643.3321	642.9757

[–] Peak Matches

159.0852	175.1162	186.1376	223.1088	247.0833	251.1273	274.1194	276.1541	298.1347	303.2061
W(-41)	SS(256) y_1(-16)	GQ(270)	a_2(4.8)		b_2(98) y_5^{+2}(-61)	LC(Carbamidomethyl)(-9.4)	y_2(-45)	QW-NH_3(54) WQ-NH_3(54)	KSS(131)
309.1369	**315.1301**	**343.2376**	**345.2572**	**357.1770**	**362.1961**	**398.1704**	**404.2238**	**416.1915**	**458.7182**
TPGA-H_2O(-61) PGAT-H_2O(-61) QTP-H_2O(-61)	QW(-48) WQ(-48)	KSSG-NH_3(223)		y_7-NH_3^{+2}(-15)		WQT-H_2O(-30)	y_4(-3.5)	WQT(-3.2)	y_8^{+2}(-38)
501.2737	**585.2822**	**595.2808**	**599.2711**	**602.3150**	**605.8184**	**617.2806**	**624.7862**	**632.2705**	**636.9654**
y_5(-8.5)	a_{10}^{+2}(14) y_6-NH_3(-29)		b_{10}^{+2}(-0.66)	y_6(-18)					MH-H_2O^{+3}(-11)
640.3093	**642.9683**	**652.2997**	**663.2868**	**704.8218**	**711.3578**	**713.8213**	**730.3611**	**739.3311**	**827.3969**
a_{11}-H_2O^{+2}(18)	MH^{+3}(-12)	b_5(-19) YLC(Carbamidomethyl)KS(-19)	b_{11}^{+2}(-21)	b_{12}-H_2O^{+2}(3.5)	a_6(12) YLC(Carbamidomethyl)KSS-28(12)	b_{12}^{+2}(-4.7)	y_7(-32)	YLC(Carbamidomethyl)KSS(-18) b_6(-18) a_{13}-H_2O^{+2}(-23)	

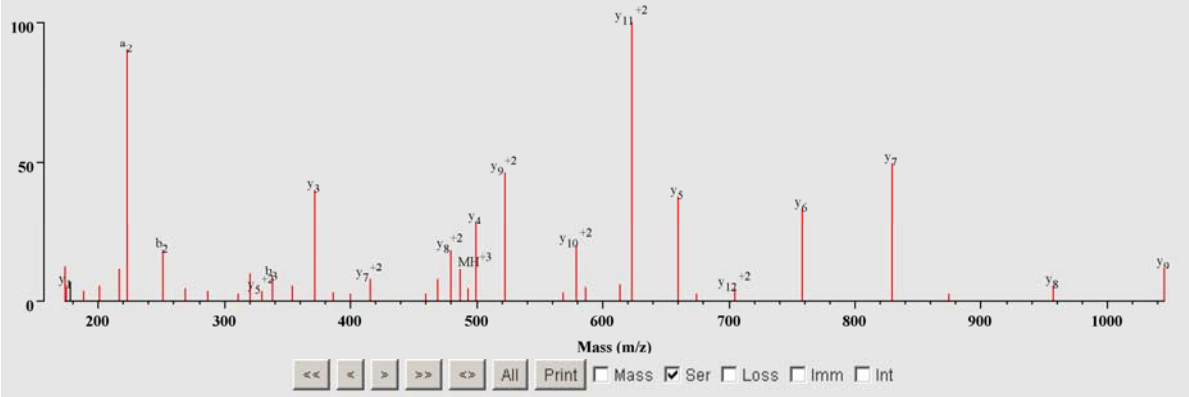
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1839.8806	920.4440
364.1867	---	3	L	15	1676.8173	838.9123
524.2173	---	4	C(Carbamidomethyl)	14	1563.7333	782.3703
652.3123	326.6598	5	K	13	1403.7026	702.3549
739.3443	370.1758	6	S	12	1275.6076	638.3075
826.3764	413.6918	7	S	11	1188.5756	594.7914
883.3978	442.2026	8	G	10	1101.5436	551.2754
1011.4564	506.2318	9	Q	9	1044.5221	522.7647
1197.5357	599.2715	10	W	8	916.4635	458.7354
1325.5943	663.3008	11	Q	7	730.3842	365.6958
1426.6420	713.8246	12	T	6	602.3257	301.6665
1523.6947	762.3510	13	P	5	501.2780	251.1426
1580.7162	790.8617	14	G	4	404.2252	202.6162
1651.7533	826.3803	15	A	3	347.2037	174.1055

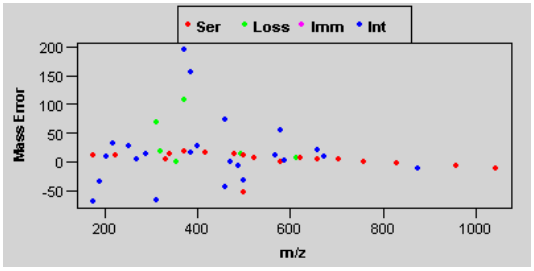
1752.8010	876.9041	16	**T**	2	276.1666	138.5870
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLSKAVC(Carbamidomethyl)KPVR^{+3}



Max Intensity: **231**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **98.9%** Matched Series Intensity: **98.9%**



Sequence SYSLSKAVC(Carbamidomethyl)KPVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C65 H112 N19 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1495.6297	1494.8097	748.3186	747.9085	499.2148	498.9414

[–] **Peak Matches**

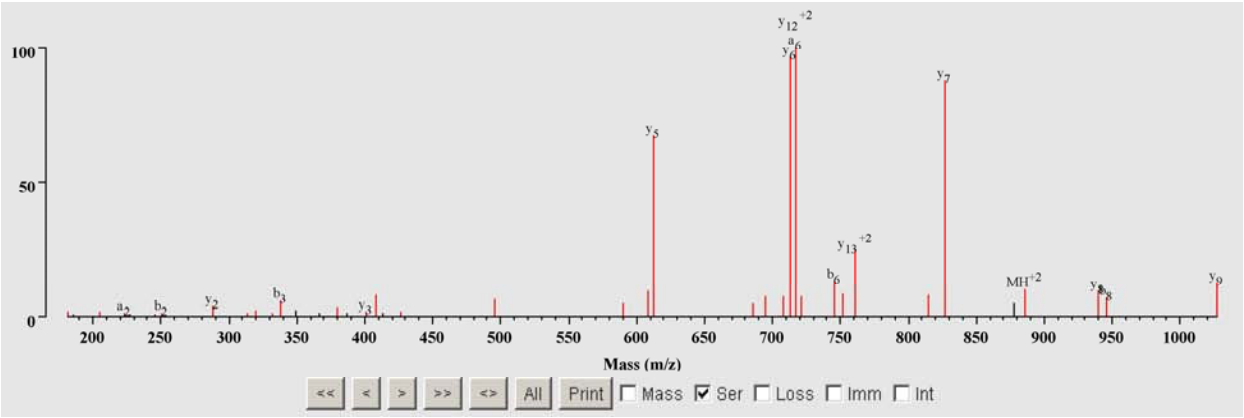
173.1164	175.1209	178.0914	188.1330	201.1253	216.1415	223.1103	251.1093	269.1620	287.1753
SL-28(-69) LS-28(-69)	y_1(11)		SK-28(-34)	SL(9.6) LS(9.6)	SK(33)	YS-28(12) a_2(12)	b_2(27) YS(27)	SKA-H_2O (4.4)	SKA(14)
311.1873	**320.1303**	**330.1882**	**338.1390**	**354.2139**	**371.2472**	**386.2457**	**400.2661**	**415.2457**	**459.2726**
a_6-NH_3^{+2}(69) LSK-H_2O(-66)	b_3-H_2O (19)	y_5^{+2}(5.1)	b_3(13)	y_3-NH_3 (0.90)	VC(Carbamidomethyl)K-NH_3 (195) y_6-NH_3^{+2}(107) y_3(19)	C(Carbamidomethyl)KP (155) SKAV(15)	LSKA(27)	y_7^{+2}(15)	KAVC(Carbamidomethyl) (74) AVC(Carbamidomethyl)K (74) SLSKA-28(-43)
469.2765	**479.2928**	**487.2838**	**492.9448**	**498.9471**	**499.3086**	**522.8063**	**568.3523**	**579.3450**	**586.3568**
SLSKA-H_2O(- 0.87)	y_8^{+2}(13)	SLSKA(-7.5)	MH-H_2O^{+3}(14)	MH^{+3}(11)	LSKAV(-31) y_4(-53)	y_9^{+2}(6.8)	SLSKAV-H_2O(12)	YSLSK(54) y_{10}^{+2}(0.34)	SLSKAV(1.6)
613.8596	**622.8657**	**659.3685**	**674.3712**	**704.3956**	**758.4335**	**829.4696**	**874.4719**	**957.5595**	**1044.5855**
y_{11}-H_2O^{+2}(6.6)	y_{11}^{+2}(7.8)	LSKAVC(Carbamidomethyl) (21) y_5(4.2)	SKAVC(Carbamidomethyl)K (8.6)	y_{12}^{+2}(4.4)	y_6(-0.86)	y_7(-2.0)	SLSKAVC(Carbamidomethyl) K(-11)	y_8(-7.0)	y_9(-12)

[–] **Main Sequence Ions**

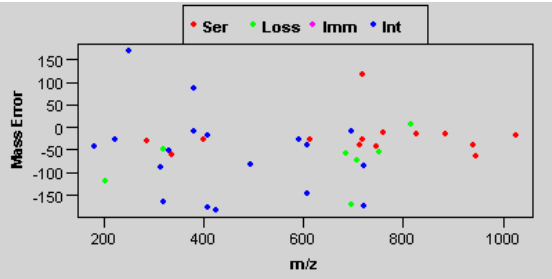
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1407.7777	704.3925
338.1347	---	3	**S**	11	1244.7144	622.8608
451.2187	---	4	**L**	10	1157.6823	579.3448
538.2508	---	5	**S**	9	1044.5983	522.8028
666.3457	333.6765	6	**K**	8	957.5662	479.2868
737.3828	369.1951	7	**A**	7	829.4713	415.2393
836.4512	418.7293	8	**V**	6	758.4342	379.7207
996.4819	498.7446	9	**C(Carbamidomethyl)**	5	659.3657	330.1865
1124.5769	562.7921	10	**K**	4	499.3351	250.1712
1221.6296	611.3184	11	**P**	3	371.2401	186.1237
1320.6980	660.8527	12	**V**	2	274.1874	137.5973
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSPM(Oxidation)YSIITPNILR^{+2}



Max Intensity: **4.08**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **97.6%** Matched Series Intensity: **97.6%**



Sequence: SYSPM(Oxidation)YSIITPNILR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H128 N19 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1771.9243	1770.9095	886.4658	885.9584

[–] Peak Matches

181.0895	186.0653	205.0728	223.1017	227.0707	246.0741	251.1453	288.1942	314.0892	320.1080
TP-H_2O(-42)		a_2-H_2O(-119)	a_2(-27) YS-28(-27)			b_2(170) YS(170)	y_2(-31)	SPM(Oxidation)-H_2O(-88)	b_3-H_2O(-50) YSP-28(-164)

332.1099	338.1137	349.1408	366.1083	380.1604	387.1125	401.2758	408.1516	413.1462	426.1563
SPM(Oxidation)(-53)	b_3(-62)			M(Oxidation)YS-H_2O (87) PM(Oxidation)Y-28(- 9.1)		y_3(-28)	PM(Oxidation)Y(- 18) TPNI-H_2O(-178) ITPN-H_2O(-178)		TPNI(-184) ITPN(-184)

495.1500	590.2479	608.2507	612.3661	685.3554	695.3003	708.3367	713.4021	717.3762	721.2983
PM(Oxidation)YS(-82) SPM(Oxidation)Y(-82) YSPM(Oxidation)(-82)	PM(Oxidation)YSI-H_2O(- 28)	PM(Oxidation)YSI(- 40) SIITPN-H_2O(-147)	y_5(-27)	y_{12}-$SOCH_4^{+2}$(-59)	SPM(Oxidation)YSI(- 9.5) y_6-H_2O(-172)	y_{12}-H_2O^{+2}(- 74)	y_6(-40)	YSPM(Oxidation)YS-28 (118) a_6(118) y_{12}^{+2}(-26)	PM(Oxidation)YSII(- 84) SIITPNI-H_2O(-175)

745.2546	751.8633	760.9014	814.3125	826.5015	877.9230	885.9453	939.5626	945.3421	1026.6112
YSPM(Oxidation)YS(- 42) b_6(-42)	y_{13}-H_2O^{+2}(-56)	y_{13}^{+2}(-12)	b_7-H_2O (6.0)	y_7(-16)		MH^{+2}(-15)	y_8(-38)	b_8(-64)	y_9(-19)

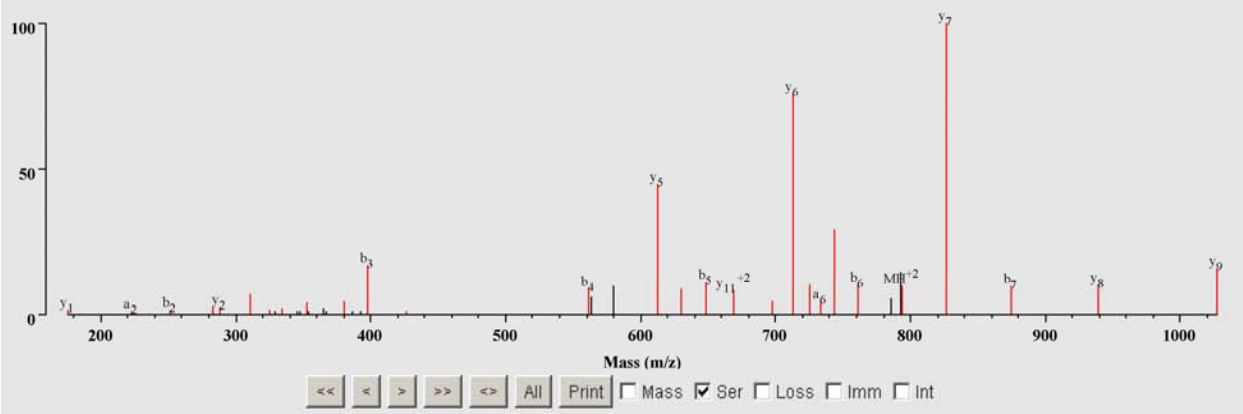
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1683.8775	842.4424
338.1347	3	S	13	1520.8141	760.9107
435.1874	4	P	12	1433.7821	717.3947
582.2228	5	M(Oxidation)	11	1336.7293	668.8683
745.2862	6	Y	10	1189.6939	595.3506
832.3182	7	S	9	1026.6306	513.8189
945.4022	8	I	8	939.5986	470.3029
1058.4863	9	I	7	826.5145	413.7609
1159.5340	10	T	6	713.4304	357.2189
1256.5868	11	P	5	612.3828	306.6950
1370.6297	12	N	4	515.3300	258.1686
1483.7137	13	I	3	401.2871	201.1472
1596.7978	14	L	2	288.2030	144.6051

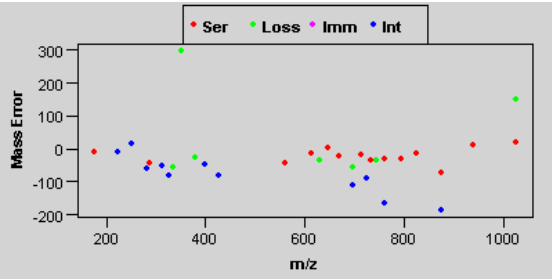
--- 15 **R** 1 175.1190 88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)YSIITPNILR^{+2}



Max Intensity: **4.87**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **89.7%** Matched Series Intensity: **89.5%**



Sequence: SYM(Oxidation)YSIITPNILR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H116 N17 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1587.7281	1586.8247	794.3678	793.9160

[–] Peak Matches

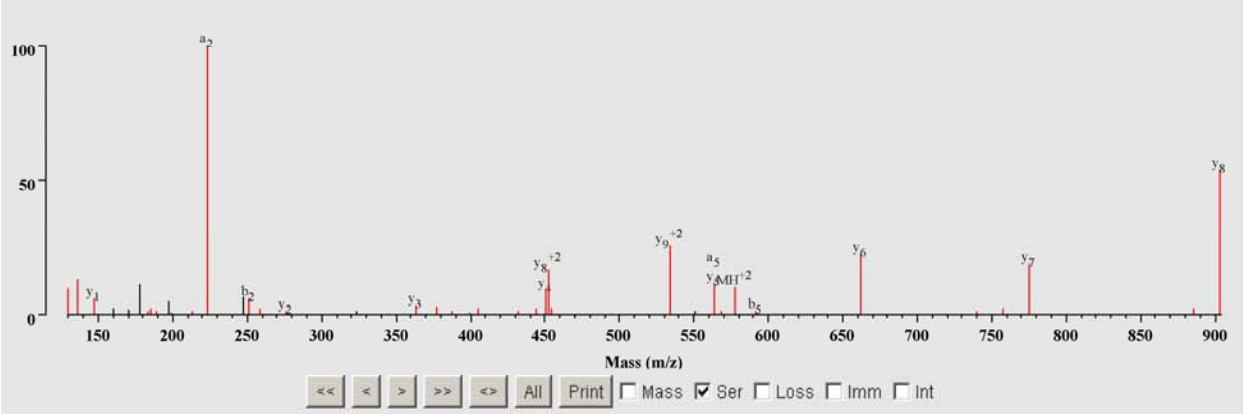
175.1174	223.1060	251.1063	283.0943	288.1909	311.0904	325.1607	329.1153	334.1208	345.1306
y_1(-8.9)	a_2(-7.7) YS-28(-7.7)	b_2(15) YS(15)	YM(Oxidation)-28(-59) M(Oxidation)Y-28(-59)	y_2(-42)	YM(Oxidation)(-50) M(Oxidation)Y(-50)	PNI(-81)		b_3-$SOCH_4$(-57)	
347.1804	**352.2374**	**354.2208**	**365.1147**	**367.2284**	**380.1180**	**386.2024**	**392.2132**	**398.1194**	**426.1993**
	a_3-H_2O(298)				M(Oxidation)YS-H_2O(-25) b_3-H_2O(-25)			b_3(-47) M(Oxidation)YS(-47)	TPNI(-83) ITPN(-83)
561.1760	**563.2093**	**580.2211**	**612.3732**	**630.1992**	**648.2351**	**668.8539**	**697.2809**	**713.4167**	**725.2897**
YM(Oxidation)YS(-45) b_4(-45)			y_5(-16)	b_5-H_2O(-37)	b_5(2.6)	y_{11}^{+2}(-22)	b_6-$SOCH_4$(-55) M(Oxidation)YSIIT-28(-112)	y_6(-19)	M(Oxidation)YSIIT(-88)
733.2980	**743.2792**	**761.2931**	**785.9257**	**792.4056**	**793.8930**	**826.5015**	**874.3397**	**939.6090**	**1026.6507**
a_6(-33)	b_6-H_2O(-37)	b_6(-32) YSIITPN-28(-166)			MH^{+2}(-29)	y_7(-16)	b_7(-71) YSIITPNI-28(-187)	y_8(11)	a_9-H_2O(150) y_9(20)

[–] Main Sequence Ions

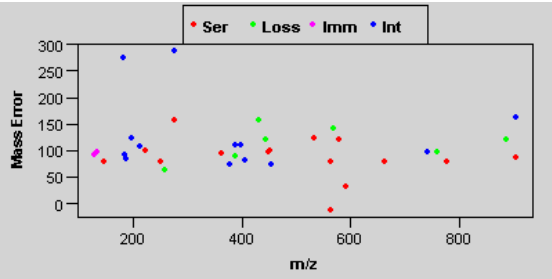
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1499.7927	750.4000
398.1380	3	M(Oxidation)	11	1336.7293	668.8683
561.2014	4	Y	10	1189.6939	595.3506
648.2334	5	S	9	1026.6306	513.8189
761.3175	6	I	8	939.5986	470.3029
874.4015	7	I	7	826.5145	413.7609
975.4492	8	T	6	713.4304	357.2189
1072.5020	9	P	5	612.3828	306.6950
1186.5449	10	N	4	515.3300	258.1686
1299.6290	11	I	3	401.2871	201.1472
1412.7130	12	L	2	288.2030	144.6051
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKLVLSSEK^{+2}



Max Intensity: **9.74**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **92.0%** Matched Series Intensity: **91.7%**



Sequence SYKLVLSSEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C52 H89 N12 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1154.3569	1153.6463	577.6822	577.3268

[–] **Peak Matches**

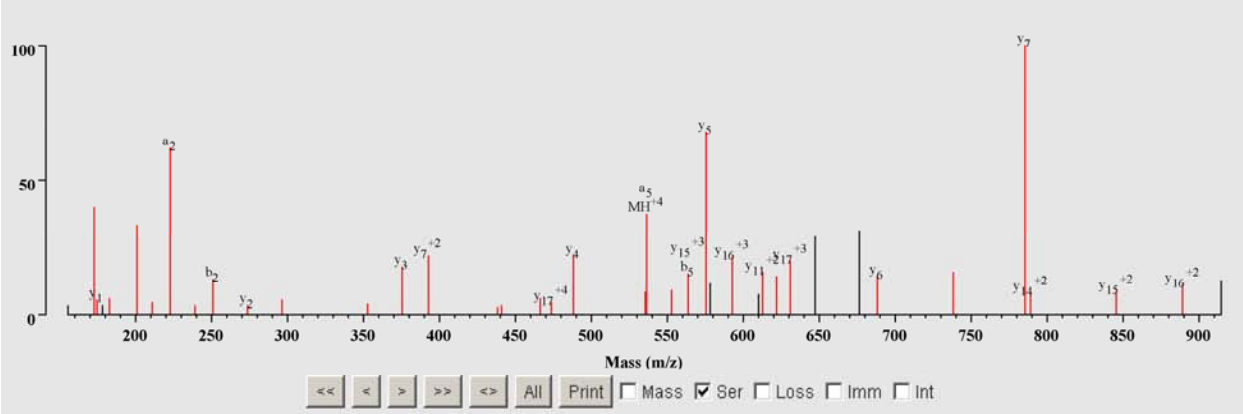
129.1143	136.0890	147.1245	160.0980	170.1390	178.1041	183.1629	185.1821	189.1026	197.1838
K(93)	Y(98)	y_1(80)				LS-H_2O(274)	VL-28(93) LV-28(93)	SE-28(83)	
199.0956	**213.1827**	**223.1298**	**247.1669**	**251.1228**	**258.1608**	**276.1986**	**323.2809**	**363.2217**	**377.2826**
SE-H_2O(122)	VL(108) LV(108)	a_2(99)		b_2(80)	y_2-H_2O(62)	SSE-28(288) y_2(156)		y_3(94)	YKL-28(74)
387.2660	**399.2309**	**405.2825**	**432.2771**	**443.8197**	**450.2634**	**452.3243**	**454.3718**	**533.8770**	**550.8822**
VLSS(109) b_7-H_2O^{+2}(89)	LSSE-H_2O(109)	YKL(81)	y_4-H_2O(158)	y_8-NH_3^{+2}(121)	y_4(98)	y_8^{+2}(100)	KLVL(73)	y_9^{+2}(124)	
563.3476	**568.4022**	**577.3958**	**591.3684**	**662.4233**	**739.5069**	**757.5188**	**775.5181**	**885.6463**	**903.6290**
y_5(78) a_5(-13)	MH-H_2O^{+2}(142)	MH^{+2}(120)	b_5(31)	y_6(78)	KLVLSSE-H_2O(97)	KLVLSSE(97) y_7-H_2O(97)	y_7(80)	y_8-H_2O(120)	YKLVLSSE-NH_3(162) y_8(86)

[–] **Main Sequence Ions**

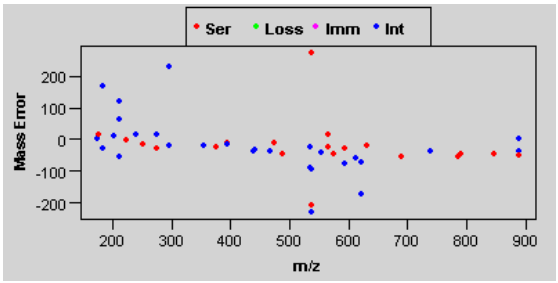
b	b^{+2}			y	y^{+2}
---	---	1 S	10	---	---
251.1026	---	2 Y	9	1066.6143	533.8108
379.1976	190.1024	3 K	8	903.5510	452.2791
492.2817	246.6445	4 L	7	775.4560	388.2316
591.3501	296.1787	5 V	6	662.3719	331.6896
704.4341	352.7207	6 L	5	563.3035	282.1554
791.4662	396.2367	7 S	4	450.2195	225.6134
878.4982	439.7527	8 S	3	363.1874	182.0974
1007.5408	504.2740	9 E	2	276.1554	138.5813
---	---	10 K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLSINTHPSQKPLSITVR^{+4}



Max Intensity: **1101**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **86.3%** Matched Series Intensity: **86.0%**



Sequence SYLSINTHPSQKPLSITVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C95 H158 N27 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2142.4782	2141.1713	1071.7428	1071.0893	714.8310	714.3953	536.3751	536.0483

[–] Peak Matches

155.1194	173.1284	175.1214	178.0907	183.1435	201.1253	211.1327	223.1069	239.1169	251.0991
	LS-28(-0.31) SI-28(-0.31) TV-28(-0.31)	y_1(14)		LS-H_2O(168) TV-H_2O(168) SI-H_2O(168) PL-28(-31)	LS(9.6) SI(9.6) TV(9.6)	IN-NH_3(118) TH-28(65) PL(-54)	a_2(-3.7)	TH(13)	b_2(-14)
274.1797	**296.1915**	**353.1492**	**375.2265**	**393.2430**	**438.2296**	**441.2301**	**466.2236**	**473.5181**	**488.2958**
SIT-28(13) y_2(-28)	PSQ-NH_3(228) ITV-H_2O(-18) LSI-H_2O(-18)	NTH(-22)	y_3(-23)	y_7^{+2}(-12) PLSI-H_2O(-17)	INTH-28(-37)	SQKP(-35) PSQK(-35)	INTH(-37)	y_{17}^{+4}(-13)	y_4(-48)
535.2496	**536.1954**	**553.2487**	**564.3106**	**575.3253**	**578.7717**	**593.3189**	**609.9804**	**613.3296**	**622.2844**
SINTH-H_2O(-24) INTHP-28(-92)	MH^{+4}(274) SINTH-NH_3(-95) a_5(-210) SQKPL-H_2O(-231) QKPLS-H_2O(-231)	SINTH(-44)	b_5(14) y_{15}^{+3}(-25)	y_5(-45)		y_{16}^{+3}(-28) PLSITV-H_2O(-79)		y_{11}^{+2}(-61) SQKPLS-28(-61)	SINTHP-28(-74) INTHPS-28(-74) KPLSIT-H_2O(-173)
631.0164	**647.6751**	**676.6791**	**688.3980**	**738.3868**	**785.4448**	**789.4042**	**845.9445**	**889.4558**	**914.4459**
y_{17}^{+3}(-22)			y_6(-54)	PSQKPLS(-37)	y_7(-55)	y_{14}^{+2}(-47)	y_{15}^{+2}(-46)	INTHPSQK-NH_3(3.6) THPSQKPL(-37) y_{16}^{+2}(-49)	

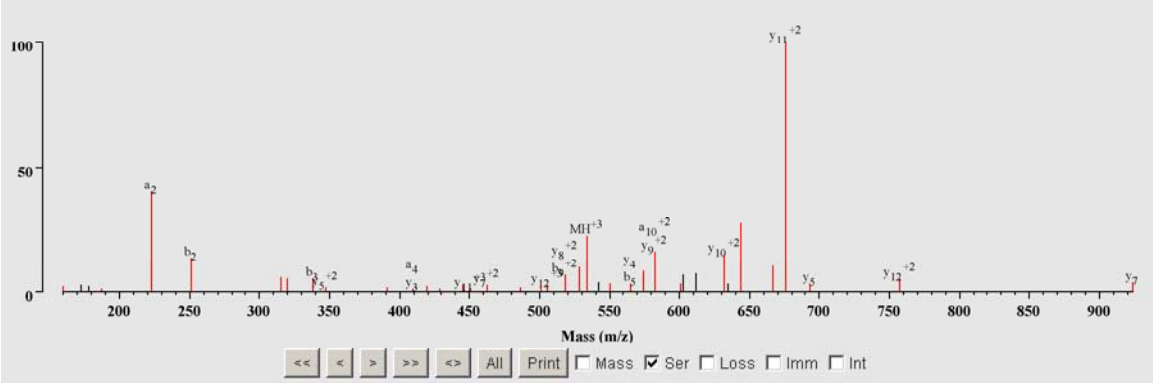
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	19 ---	---
251.1026	---	2	Y	18 2054.1393	1027.5733
364.1867	---	3	L	17 1891.0760	946.0416
451.2187	---	4	S	16 1777.9919	889.4996
564.3028	---	5	I	15 1690.9599	845.9836
678.3457	---	6	N	14 1577.8758	789.4415
779.3934	---	7	T	13 1463.8329	732.4201
916.4523	458.7298	8	H	12 1362.7852	681.8962
1013.5051	507.2562	9	P	11 1225.7263	613.3668
1100.5371	550.7722	10	S	10 1128.6735	564.8404
1228.5957	614.8015	11	Q	9 1041.6415	521.3244

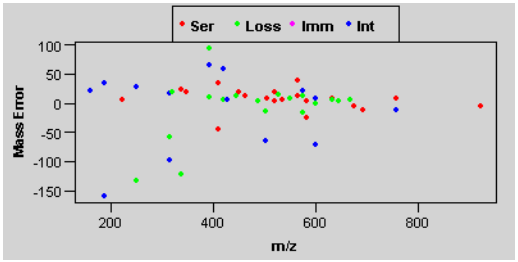
1356.6906	678.8490	12	**K**	8	913.5829	457.2951
1453.7434	727.3753	13	**P**	7	785.4880	393.2476
1566.8275	783.9174	14	**L**	6	688.4352	344.7212
1653.8595	827.4334	15	**S**	5	575.3511	288.1792
1766.9436	883.9754	16	**I**	4	488.3191	244.6632
1867.9912	934.4993	17	**T**	3	375.2350	188.1212
1967.0597	984.0335	18	**V**	2	274.1874	137.5973
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVQLTEKRM(Oxidation)DK^{+3}



Max Intensity: **1387**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **92.7%** Matched Series Intensity: **91.9%**



Sequence: SYSVQLTEKRM(Oxidation)DK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C67 H114 N19 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1601.6682	1600.7999	801.3378	800.9036	534.5610	534.2715

[–] **Peak Matches**

159.1160	172.1014	178.0914	187.1142	223.1089	251.1093	315.1715	320.1303	338.1424	347.1958
SV-28(20)			SV(35) LT-28(-160)	YS-28(5.3) a_2(5.3)	b_2(27) YS(27) y_4-SOCH$_4$$^{+2}$(-133)	SVQ(17) y_5-SOCH$_4$$^{+2}$(-59) QLT-28(-99)	b_3-H$_2$O(19)	b_3(23) y_5-H$_2$O^{+2}(-123)	y_5^{+2}(19)

391.2014	409.1894	419.1949	428.2532	444.9080	450.9146	462.2405	486.7784	501.2708	505.2643
y_3-H$_2$O(94) RM(Oxidation)D-28(65) a_4-H$_2$O(9.7)	y_3(35) a_4(-46)	RM(Oxidation)D(58) b_4-H$_2$O(5.7)	SVQL(6.6)	y_{11}-H$_2$O^{+3}(12)	y_{11}^{+3}(18)	y_7^{+2}(13)	y_8-SOCH$_4$$^{+2}$(2.3)	y_4-SOCH$_4$(-14) SVQLT-28(-64)	y_{12}^{+3}(6.9)

518.7785	528.2756	534.2742	542.2993	550.8106	565.2836	573.8071	574.2992	582.8079	600.3401
b_9^{+2}(18) y_8^{+2}(4.0)	MH-H$_2$O^{+3}(14)	MH^{+3}(5.1)		y_9-SOCH$_4$$^{+2}$(7.3)	b_5(39) y_4(13)	y_9-H$_2$O^{+2}(12) a_{10}-H$_2$O^{+2}(-17)	YSVQL-NH$_3$(21) y_9-NH$_3$$^{+2}$(12) a_{10}-NH$_3$$^{+2}$(-17)	y_9^{+2}(3.8) a_{10}^{+2}(-25)	QLTEK(8.2) y_{10}-SOCH$_4$$^{+2}$(-1.1) LTEKR-28(-71)

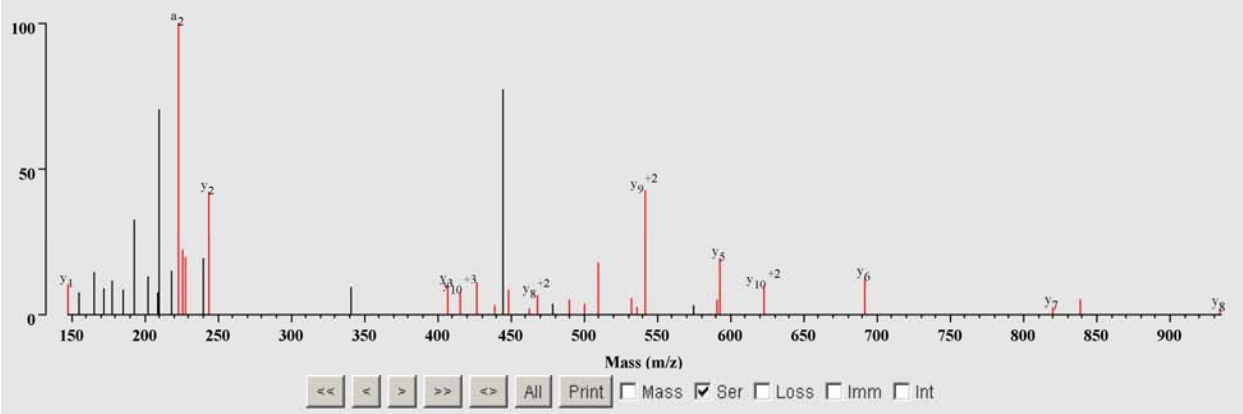
602.8075	611.8144	632.3442	634.8502	643.8596	666.8548	675.8515	693.3626	757.3940	923.4561
		y_{10}^{+2}(6.8) a_6-H$_2$O(6.3)		y_{11}-SOCH$_4$$^{+2}$(4.4)	y_{11}-H$_2$O^{+2}(6.2)	y_{11}^{+2}(-6.5)	y_5(-12)	y_{12}^{+2}(8.5) LTEKRM(Oxidation)-H$_2$O(-11)	y_7(-5.8)

[–] **Main Sequence Ions**

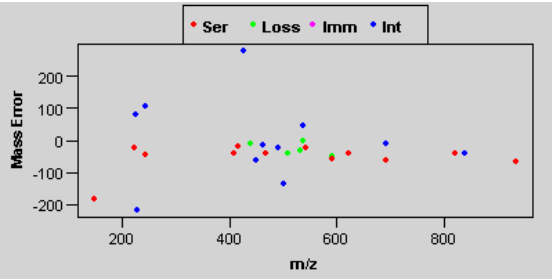
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1513.7679	757.3876
338.1347	---	3	**S**	11	1350.7046	675.8559
437.2031	---	4	**V**	10	1263.6725	632.3399
565.2617	---	5	**Q**	9	1164.6041	582.8057
678.3457	---	6	**L**	8	1036.5456	518.7764
779.3934	---	7	**T**	7	923.4615	462.2344
908.4360	---	8	**E**	6	822.4138	411.7105
1036.5310	518.7691	9	**K**	5	693.3712	347.1892
1192.6321	596.8197	10	**R**	4	565.2763	283.1418
1339.6675	670.3374	11	**M(Oxidation)**	3	409.1751	205.0912
1454.6944	727.8508	12	**D**	2	262.1397	131.5735
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)DKVGKYPK^{+3}



Max Intensity: **13.8**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **55.4%** Matched Series Intensity: **56.4%**



Sequence: SYM(Oxidation)DKVGKYPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H95 N14 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1332.4091	1331.6664	666.7082	666.3368	444.8080	444.5603

[–] Peak Matches

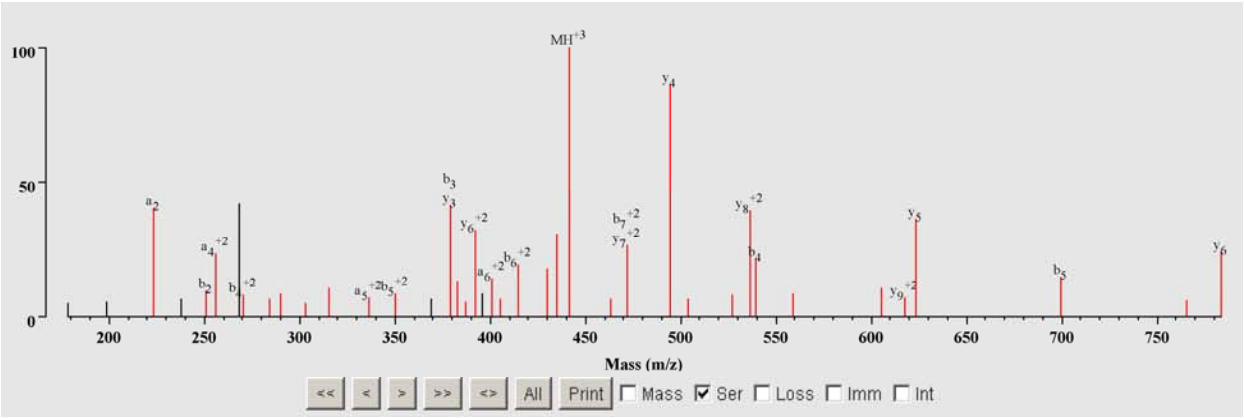
147.0859	155.1086	165.0894	172.1305	178.0864	185.1171	193.0812	202.1404	209.1115	210.1063
y_1(-183)									
218.1338	**223.1028**	**226.1367**	**228.1206**	**240.1153**	**244.1547**	**341.0150**	**407.2122**	**415.5408**	**426.2522**
	a_2(-22)	DK-H_2O(80)	KV(-219)		DK(105) y_2(-45)		y_3(-41)	y_{10}^{+3}(-21)	YM(Oxidation)D(280)
438.5515	**444.2839**	**448.2283**	**462.2312**	**467.7534**	**478.7638**	**490.2207**	**500.2518**	**509.2690**	**532.2660**
MH-H_2O^{+3}(-12)		VGKY(-61)	M(Oxidation)DKV-28(-15)	y_8^{+2}(-39)		M(Oxidation)DKV(-25)	DKVGK-28(-135)	y_9-$SOCH_4^{+2}$(-41)	y_9-H_2O^{+2}(-34)
536.2428	**541.2759**	**574.3070**	**590.7917**	**592.3108**	**622.7945**	**691.3715**	**819.4763**	**838.3776**	**934.4723**
YM(Oxidation)DK-H_2O(47) b_9-NH_3^{+2}(-3.0)	y_9^{+2}(-24)		y_{10}-$SOCH_4^{+2}$(-51)	y_5(-58)	y_{10}^{+2}(-42)	DKVGKY(-8.5) y_6(-61)	y_7(-40)	M(Oxidation)DKVGKY(-42) YM(Oxidation)DKVGK(-42)	y_8(-68)

[–] Main Sequence Ions

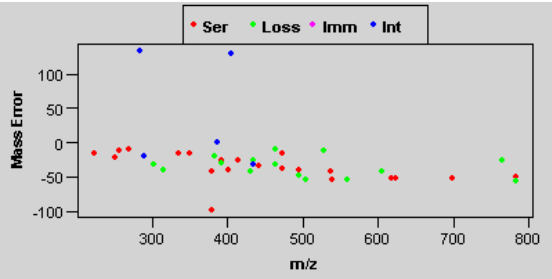
b	b^{+2}				y	y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1244.6344	622.8208
398.1380	---	3	M(Oxidation)	9	1081.5710	541.2892
513.1650	---	4	D	8	934.5356	467.7715
641.2599	321.1336	5	K	7	819.5087	410.2580
740.3284	370.6678	6	V	6	691.4137	346.2105
797.3498	399.1785	7	G	5	592.3453	296.6763
925.4448	463.2260	8	K	4	535.3239	268.1656
1088.5081	544.7577	9	Y	3	407.2289	204.1181
1185.5609	593.2841	10	P	2	244.1656	122.5864
---	---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKC(Carbamidomethyl)C(Carbamidomethyl)EDGM(Oxidation)R^{+3}



Max Intensity: **10.5**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **90.6%** Matched Series Intensity: **88.7%**



Sequence: SYKC(Carbamidomethyl)C(Carbamidomethyl)EDGM(Oxidation)R

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300

Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C50 H81 N16 O20 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1321.9967	1321.4970	661.5021	661.2521	441.3372	441.1705

[–] Peak Matches

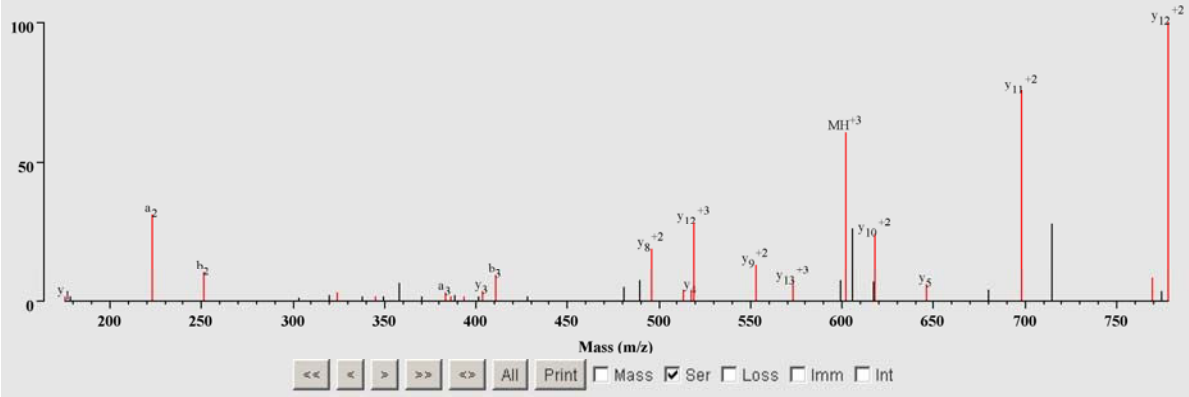
178.0713	199.0629	223.1042	238.0885	251.0974	256.1176	268.1077	270.1151	284.1259	290.0750
		a_2(-16)		b_2(-21)	a_4^{+2}(-11)		b_4^{+2}(-9.8)	EDG-H_2O(134)	C(Carbamidomethyl)E(-19)
303.1114	**315.1646**	**336.1304**	**350.1279**	**369.1432**	**379.1599**	**383.1286**	**387.0974**	**392.1318**	**396.2053**
y_5-H_2O^{+2}(-32)	y_3-$SOCH_4$(-41)	a_5^{+2}(-16)	b_5^{+2}(-15)		y_3(-42) b_3(-99)	y_6-H_2O^{+2}(-20)	C(Carbamidomethyl)ED-H_2O(1.3)	y_6^{+2}(-25) a_6-NH_3^{+2}(-30)	
400.6407	**405.1599**	**414.6442**	**430.1866**	**435.1552**	**441.1556**	**463.1473**	**472.1500**	**494.1826**	**504.1775**
a_6^{+2}(-40)	C(Carbamidomethyl)ED(129)	b_6^{+2}(-25)	y_4-$SOCH_4$(-42)	MH-H_2O^{+3}(-27) YKC(Carbamidomethyl)-NH_3(-33)	MH^{+3}(-34)	y_7-H_2O^{+2}(-9.5) b_7-H_2O^{+2}(-33)	y_7^{+2}(-15) b_7^{+2}(-38)	y_4(-41) a_4-NH_3(-49)	y_8-$SOCH_4^{+2}$(-55)
527.1931	**536.1815**	**539.1989**	**559.2165**	**605.2095**	**617.7035**	**623.2126**	**699.2222**	**765.2459**	**783.2365**
y_8-H_2O^{+2}(-11)	y_8^{+2}(-43)	b_4(-54)	y_5-$SOCH_4$(-55)	y_5-H_2O(-42)	y_9^{+2}(-53)	y_5(-53)	b_5(-52)	y_6-H_2O(-26)	y_6(-50) a_6-NH_3(-56)

[–] Main Sequence Ions

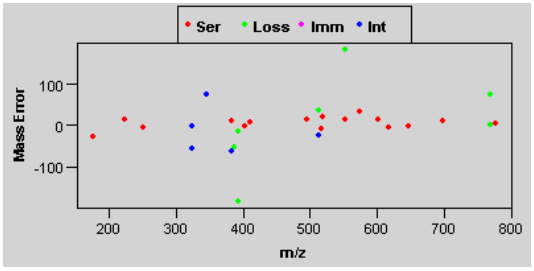
b	b^{+2}				y	y^{+2}
---	---	1	**S**	10	---	---
251.1026	---	2	**Y**	9	1234.4649	617.7361
379.1976	190.1024	3	**K**	8	1071.4016	536.2044
539.2282	270.1178	4	**C(Carbamidomethyl)**	7	943.3066	472.1570
699.2589	350.1331	5	**C(Carbamidomethyl)**	6	783.2760	392.1416
828.3015	414.6544	6	**E**	5	623.2454	312.1263
943.3284	472.1679	7	**D**	4	494.2028	247.6050
1000.3499	500.6786	8	**G**	3	379.1758	190.0915
1147.3853	574.1963	9	**M(Oxidation)**	2	322.1544	161.5808
---	---	10	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)C(Carbamidomethyl)EDGMRENPMR^{+3}



Max Intensity: **23.5**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **79.3%** Matched Series Intensity: **76.6%**



Sequence: SYC(Carbamidomethyl)C(Carbamidomethyl)EDGMRENPMR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H110 N23 O26 S4

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1805.7085	1804.6870	903.3580	902.8471	602.5745	602.2338

[–] Peak Matches

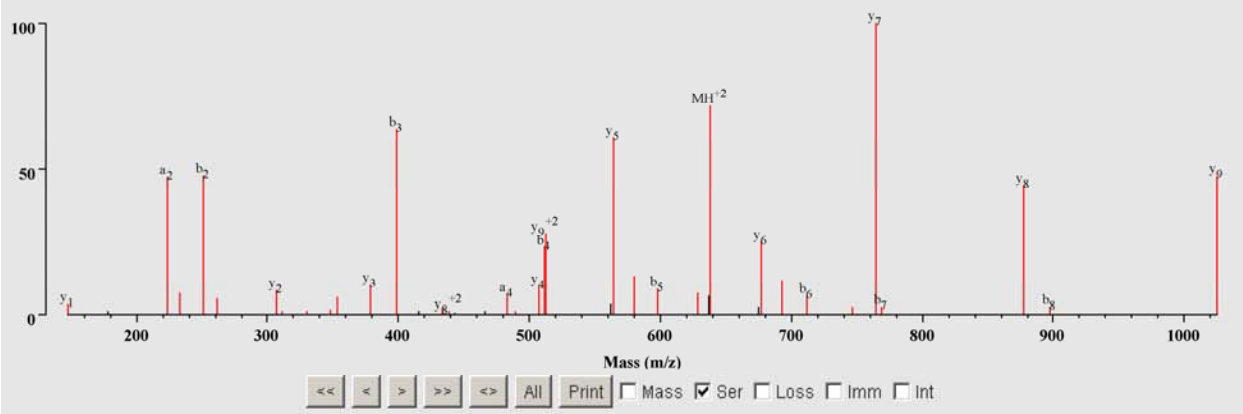
175.1143	178.0853	223.1110	251.1012	303.2139	320.1194	324.1012	338.1324	345.1970	349.1828
y_1(-27)		a_2(15)	b_2(-5.7)			YC(Carbamidomethyl)(-0.16) ENP-NH_3(-55)		GMR(77)	
358.2095	**370.1450**	**383.1427**	**386.1648**	**388.1613**	**393.1169**	**401.2223**	**403.2117**	**411.1360**	**428.1690**
		a_3(11) REN-NH_3(-64)	y_3-NH_3(-54)		b_3-H_2O(-15) y_6-NH_3^{+2}(-185)		y_3(-1.2)	b_3(6.6)	
480.7819	**489.2764**	**495.7419**	**513.2121**	**517.2512**	**518.8792**	**553.2555**	**573.2428**	**599.3060**	**602.2431**
		y_8^{+2}(16)	y_{12}-NH_3^{+3}(37) MREN-H_2O(-23)	y_4(-7.6)	y_{12}^{+3}(20)	b_4-H_2O(185) y_9^{+2}(14)	y_{13}^{+3}(34)		MH^{+3}(15)
605.8278	**617.3254**	**617.7653**	**646.2968**	**680.2705**	**697.7912**	**714.3857**	**769.2876**	**774.4207**	**777.8038**
		y_{10}^{+2}(-5.7)	y_5(-1.4)		y_{11}^{+2}(10)		a_6-H_2O(77) y_{12}-NH_3^{+2}(1.9)		y_{12}^{+2}(5.6)

[–] Main Sequence Ions

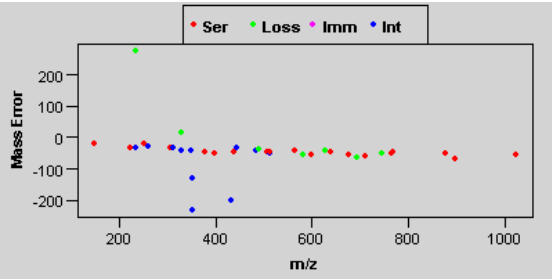
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1717.6549	859.3311
411.1333	---	3	**C(Carbamidomethyl)**	12	1554.5916	777.7994
571.1639	---	4	**C(Carbamidomethyl)**	11	1394.5610	697.7841
700.2065	---	5	**E**	10	1234.5303	617.7688
815.2335	---	6	**D**	9	1105.4877	553.2475
872.2549	---	7	**G**	8	990.4608	495.7340
1003.2954	---	8	**M**	7	933.4393	467.2233
1159.3965	580.2019	9	**R**	6	802.3988	401.7031
1288.4391	644.7232	10	**E**	5	646.2977	323.6525
1402.4820	701.7447	11	**N**	4	517.2551	259.1312
1499.5348	750.2710	12	**P**	3	403.2122	202.1097
1630.5753	815.7913	13	**M**	2	306.1594	153.5834
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFISLGEAC(Carbamidomethyl)K^{+2}



Max Intensity: **255**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **97.7%** Matched Series Intensity: **97.4%**



Sequence: SYFISLGEAC(Carbamidomethyl)K
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H88 N13 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1275.3097	1274.6086	638.1585	637.8079

[–] Peak Matches

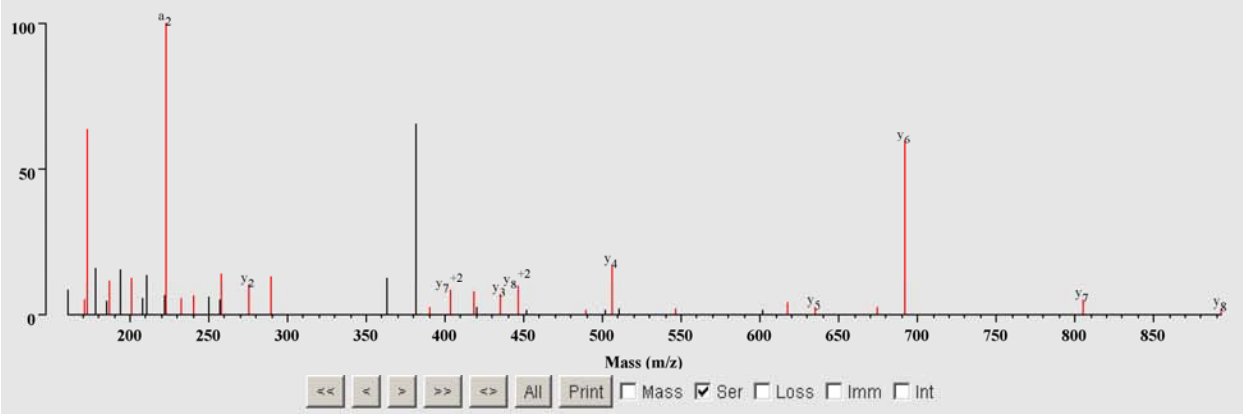
147.1100	178.0826	223.1000	233.1567	251.0974	261.1522	307.1334	311.1285	330.1676	348.1774
y_1(-19)		a_2(-35)	b_2-H_2O(277) FI-28(-35)	b_2(-21)	FI(-29)	y_2(-33)	YF(-34)	y_6-H_2O^{+2}(15) FIS-H_2O(-41)	FIS(-41)
353.1359	**378.1636**	**398.1517**	**415.1955**	**433.1931**	**439.2058**	**443.2512**	**466.2176**	**483.2408**	**489.1945**
LGEA-H_2O(-130) ISLG-H_2O(-233)	y_3(-45)	b_3(-49)		FISL-28(-203)	y_8^{+2}(-46)	FISL-H_2O(-32)		a_4(-40) YFIS-28(-40)	y_4-H_2O(-37)
507.1995	**511.2293**	**512.7369**	**562.2374**	**564.2206**	**580.2440**	**598.2543**	**628.7747**	**637.2967**	**637.7770**
y_4(-47)	b_4(-50) YFIS(-50)	y_9^{+2}(-46)		y_5(-43)	b_5-H_2O(-56)	b_5(-55)	MH-H_2O^{+2}(-44)		MH^{+2}(-48)
675.3160	**677.2923**	**693.3163**	**711.3288**	**746.3134**	**764.3220**	**768.3566**	**877.3983**	**897.3748**	**1024.4559**
	y_6(-54)	b_6-H_2O(-64)	b_6(-60)	y_7-H_2O(-49)	y_7(-51)	b_7(-47)	y_8(-53)	b_8(-67)	y_9(-56)

[–] Main Sequence Ions

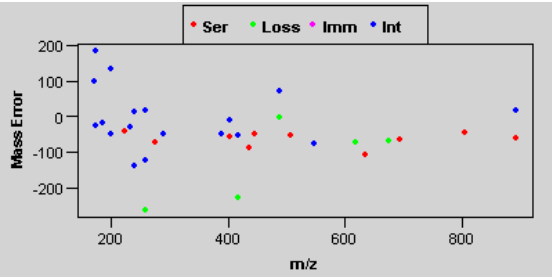
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1187.5765	594.2919
398.1710	3	F	9	1024.5132	512.7602
511.2551	4	I	8	877.4448	439.2260
598.2871	5	S	7	764.3607	382.6840
711.3712	6	L	6	677.3287	339.1680
768.3927	7	G	5	564.2446	282.6259
897.4353	8	E	4	507.2232	254.1152
968.4724	9	A	3	378.1806	189.5939
1128.5030	10	C(Carbamidomethyl)	2	307.1435	154.0754
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLGEAC(Carbamidomethyl)KK^{+3}



Max Intensity: **8.26**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **68.9%** Matched Series Intensity: **70.0%**



Sequence SYSLGEAC(Carbamidomethyl)KK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C48 H80 N13 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1143.1465	1142.5510	572.0770	571.7792	381.7205	381.5219

[–] Peak Matches

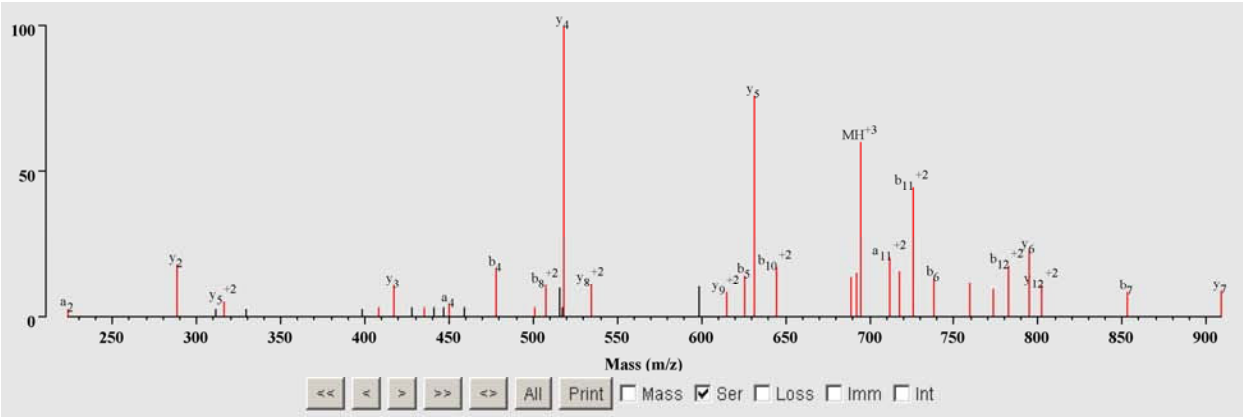
160.0721	171.1300	173.1240	178.0814	185.1171	187.0678	194.1096	201.1138	208.0877	210.0802
	LG(100)	EA-28(184) SL-28(-26)			GE(-19)		EA(133) SL(-48)		
222.1045	**223.0985**	**232.0684**	**240.1006**	**250.0907**	**257.1531**	**258.1131**	**275.1875**	**289.1184**	**363.1834**
	YS-28(-41) a_2(-41)	AC(Carbamidomethyl)(-29)	GEA-H_2O(11) SLG-H_2O(-140)			GEA(18) SLG(-123) y_2-NH_3(-264)	y_2(-74)	C(Carbamidomethyl)K(-50)	
381.1823	**390.1254**	**403.1926**	**418.1163**	**420.1798**	**435.2006**	**446.7089**	**451.6872**	**489.2468**	**501.2768**
	GEAC(Carbamidomethyl)-28(-48)	YSLG-H_2O(-12) y_7^{+2}(-57)	GEAC(Carbamidomethyl)(-55) y_3-NH_3(-229)		y_3(-87)	y_8^{+2}(-51)		EAC(Carbamidomethyl)K(70) y_4-NH_3(-4.5)	
506.2493	**510.2711**	**546.1921**	**601.3090**	**617.2614**	**635.2485**	**674.2835**	**692.2950**	**805.3875**	**892.4006**
y_4(-52)		GEAC(Carbamidomethyl)K(-77)		y_5-H_2O(-75)	y_5(-110)	y_6-H_2O(-68)	y_6(-64)	y_7(-45)	YSLGEAC(Carbamidomethyl)K-NH_3(15) y_8(-62)

[–] Main Sequence Ions

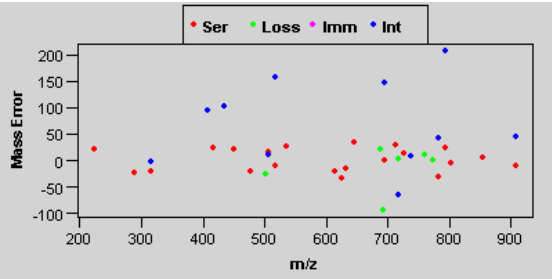
b	b^{+2}				y	y^{+2}
---	---	1	**S**	10	---	---
251.1026	---	2	**Y**	9	1055.5190	528.2631
338.1347	---	3	**S**	8	892.4557	446.7315
451.2187	---	4	**L**	7	805.4236	403.2155
508.2402	---	5	**G**	6	692.3396	346.6734
637.2828	---	6	**E**	5	635.3181	318.1627
708.3199	---	7	**A**	4	506.2755	253.6414
868.3505	---	8	**C(Carbamidomethyl)**	3	435.2384	218.1228
996.4455	498.7264	9	**K**	2	275.2078	138.1075
---	---	10	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKVFLDC(Carbamidomethyl)C(Carbamidomethyl)NYITELR^{+3}



Max Intensity: **3.21**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **93.0%** Matched Series Intensity: **92.0%**



Sequence: SYKVFLDC(Carbamidomethyl)C(Carbamidomethyl)NYITELR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C92 H142 N23 O28 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2082.0892	2080.9831	1041.5483	1040.9952	694.7014	694.3325

[–] Peak Matches

223.1127	288.1965	311.1044	316.1861	329.2474	398.2162	408.1392	417.2558	427.7327	435.1553
a_2(22)	y_2(-23)		TEL-28(-1.9) ITE-28(-1.9) y_5^{+2}(-20)			DC(Carbamidomethyl)C (Carbamidomethyl)-28(95)	y_3(24)		C(Carbamidomethyl)C (Carbamidomethyl)N(101)
441.2630	**447.1130**	**450.2803**	**459.1901**	**478.2563**	**501.2530**	**507.2501**	**515.7666**	**517.7501**	**518.2886**
		a_4(20)		b_4(-20)	y_4-NH_3(-27)	b_8^{+2}(17) YITE(10)			FLDC(Carbamidomethyl)-H_2O (158) y_4(-9.0)
534.7747	**598.7785**	**614.7630**	**625.3131**	**631.3671**	**644.2998**	**688.6720**	**692.3476**	**694.3336**	**711.8337**
y_8^{+2}(26)		y_9^{+2}(-21)	b_5(-34)	y_5(-16)	b_{10}^{+2}(33)	MH-NH_3^{+3}(22)	a_6-H_2O(-94)	C(Carbamidomethyl)C (Carbamidomethyl)NYI-NH_3(146) MH^{+3}(1.5)	a_{11}^{+2}(30)
717.2981	**725.8205**	**738.4254**	**759.8490**	**773.8382**	**782.3278**	**794.4608**	**802.3628**	**853.4491**	**908.4752**
b_{11}-NH_3^{+2} (1.7) NYITEL-NH_3(-66)	b_{11}^{+2} (14)	b_6(9.4) YKVFLD-28 (9.4)	a_{12}-NH_3^{+2} (10.0)	b_{12}-NH_3^{+2}(-0.89)	FLDC(Carbamidomethyl)C (Carbamidomethyl)N-28(41) b_{12}^{+2}(-31)	C(Carbamidomethyl)C (Carbamidomethyl)NYIT-H_2O(207) y_6(25)	y_{12}^{+2}(-3.7)	b_7(4.3)	YKVFLDC(Carbamidomethyl)-H_2O(46) y_7(-9.3)

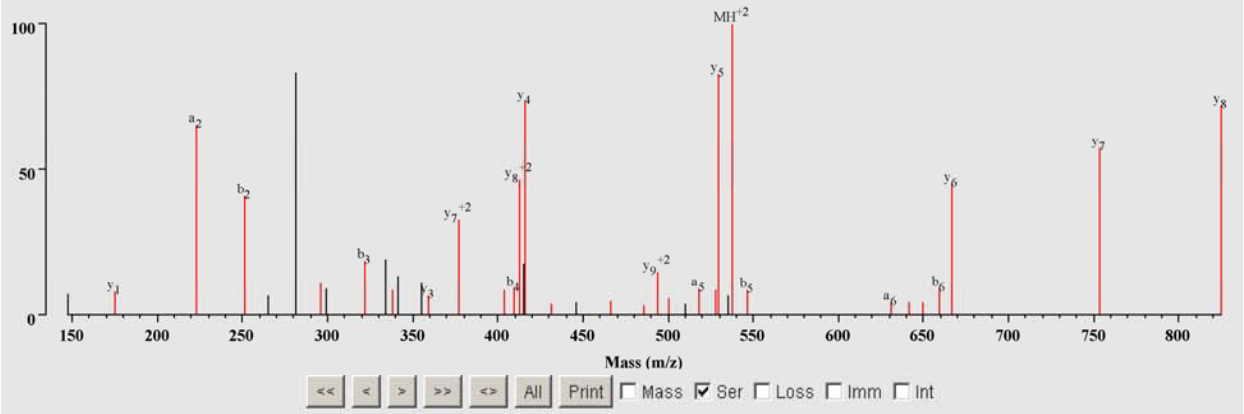
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1993.9510	997.4792
379.1976	190.1024	3	**K**	14	1830.8877	915.9475
478.2660	239.6366	4	**V**	13	1702.7927	851.9000
625.3344	313.1709	5	**F**	12	1603.7243	802.3658
738.4185	369.7129	6	**L**	11	1456.6559	728.8316
853.4454	427.2264	7	**D**	10	1343.5718	672.2896
1013.4761	507.2417	8	**C(Carbamidomethyl)**	9	1228.5449	614.7761
1173.5067	587.2570	9	**C(Carbamidomethyl)**	8	1068.5143	534.7608
1287.5497	644.2785	10	**N**	7	908.4836	454.7454
1450.6130	725.8101	11	**Y**	6	794.4407	397.7240
1563.6970	782.3522	12	**I**	5	631.3774	316.1923
1664.7447	832.8760	13	**T**	4	518.2933	259.6503

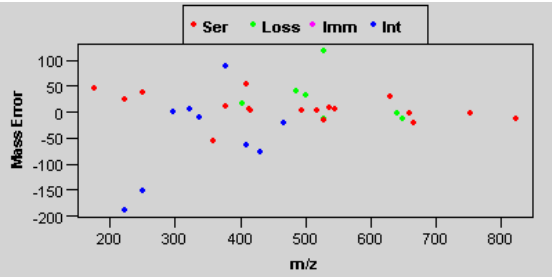
1793.7873	897.3973	14	**E**	3	417.2456	209.1264
1906.8714	953.9393	15	**L**	2	288.2030	144.6051
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASHLGLAR^{+2}



Max Intensity: **10.1**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **80.9%** Matched Series Intensity: **76.9%**



Sequence SYASHLGLAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C47 H76 N15 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1075.2197	1074.5691	538.1136	537.7882

[–] Peak Matches

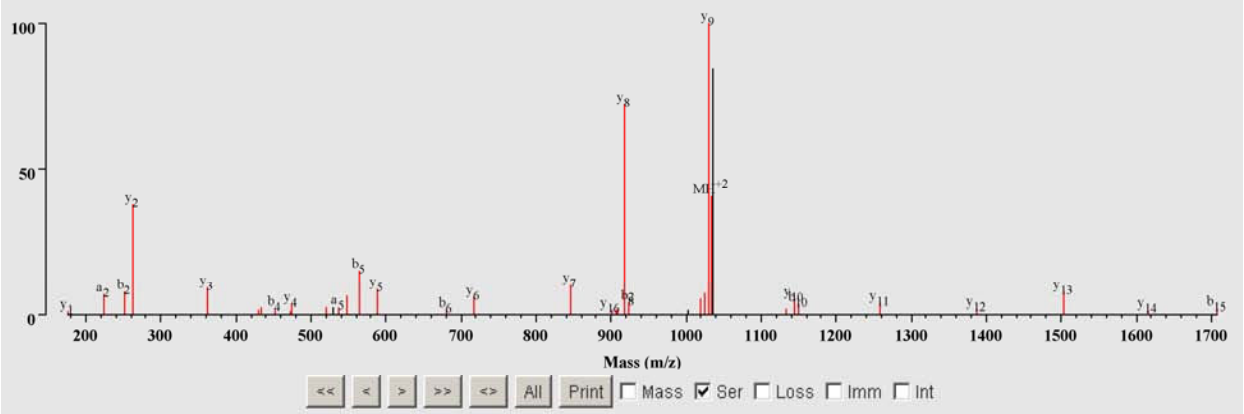
147.0693	175.1271	223.1131	251.1123	265.0417	281.0595	296.1352	299.0690	322.1417	334.2088
	y_1(47)	a_2(24) HL-28(-189)	b_2(38) HL(-151)			ASH(-0.44)		b_3(6.1) YAS(6.1)	
338.1790	**341.0129**	**355.0729**	**359.2204**	**377.2264**	**403.7422**	**409.1933**	**412.7425**	**415.0432**	**416.2626**
SHL(-9.7)			y_3(-55)	SHLG-H_2O(88) y_7^{+2}(12)	y_8-H_2O^{+2}(17)	b_4(53) ASHL(-64)	y_8^{+2}(4.9)		y_4(2.4)
431.1704	**446.2104**	**466.2309**	**485.7788**	**494.2736**	**500.2416**	**510.2479**	**518.2376**	**528.2125**	**529.3376**
YASH-28(-77)		ASHLG(-21)	y_9-NH_3^{+2}(41)	y_9^{+2}(2.9)	a_5-H_2O(33)		a_5(3.5)	b_5-H_2O(-14)	MH-NH_3^{+2}(118) y_5(-15)
535.2744	**537.7931**	**546.2337**	**631.3380**	**641.3023**	**649.3704**	**659.3126**	**666.3906**	**753.4352**	**824.4621**
	MH^{+2}(9.2)	b_5(5.5)	a_6(29)	b_6-H_2O(-2.9)	y_6-NH_3(-12)	b_6(-3.3)	y_6(-21)	y_7(-1.9)	y_8(-14)

[–] Main Sequence Ions

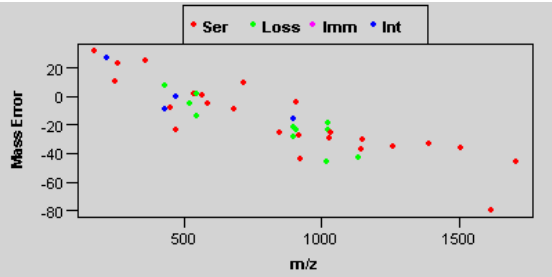
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	987.5370	494.2722
322.1397	---	3	A	8	824.4737	412.7405
409.1718	---	4	S	7	753.4366	377.2219
546.2307	273.6190	5	H	6	666.4046	333.7059
659.3148	330.1610	6	L	5	529.3457	265.1765
716.3362	358.6717	7	G	4	416.2616	208.6344
829.4203	415.2138	8	L	3	359.2401	180.1237
900.4574	450.7323	9	A	2	246.1561	123.5817
---	---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSNLDEDIIAEENIVSR^{+2}



Max Intensity: **88.7**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **81.7%** Matched Series Intensity: **79.6%**



Sequence: SYSNLDEDIIAEENIVSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C87 H140 N23 O35

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2068.2151	2066.9877	1034.6113	1033.9975

[–] Peak Matches

175.1245	223.1138	251.1055	262.1571	361.2283	430.1895	434.1702	452.1741	473.1878	474.2920
y_1(32)	a_2(27) YS-28(27)	YS(11) b_2(11)	y_2(23)	y_3(25)	SNLD(-8.7)	b_4-H_2O(7.3)	b_4(-7.7)	LDED(-0.041) DEDI(-0.041)	y_4(-24)
520.2375	**530.2157**	**537.2678**	**547.2434**	**548.2358**	**565.2623**	**588.3434**	**680.2826**	**717.3964**	**846.4104**
a_5-NH_3(-5.2)		a_5(2.0)	b_5-H_2O(-14)	b_5-NH_3(1.3)	YSNLD-28(1.1) b_5(1.1)	y_5(-5.1)	b_6(-8.8)	y_6(10)	y_7(-25)
900.4166	**906.3254**	**908.9460**	**917.4438**	**924.3178**	**1002.3993**	**1019.3846**	**1024.9674**	**1025.4644**	**1030.5233**
SNLDEDII(-16) y_{16}-NH_3^{+2}(-22) y_8-NH_3(-28)	b_8-H_2O(-24)	y_{16}^{+2}(-4.2)	y_8(-27)	b_8(-44)		b_9-H_2O(-46)	MH-H_2O^{+2}(-24)	MH-NH_3^{+2}(-19)	y_9(-29)
1033.9718	**1036.4873**	**1132.4674**	**1143.5950**	**1150.4915**	**1258.6196**	**1387.6604**	**1502.6794**	**1615.6887**	**1706.6966**
MH^{+2}(-25)		b_{10}-H_2O(-43)	y_{10}(-37)	b_{10}(-30)	y_{11}(-35)	y_{12}(-33)	y_{13}(-36)	y_{14}(-80)	b_{15}(-46)

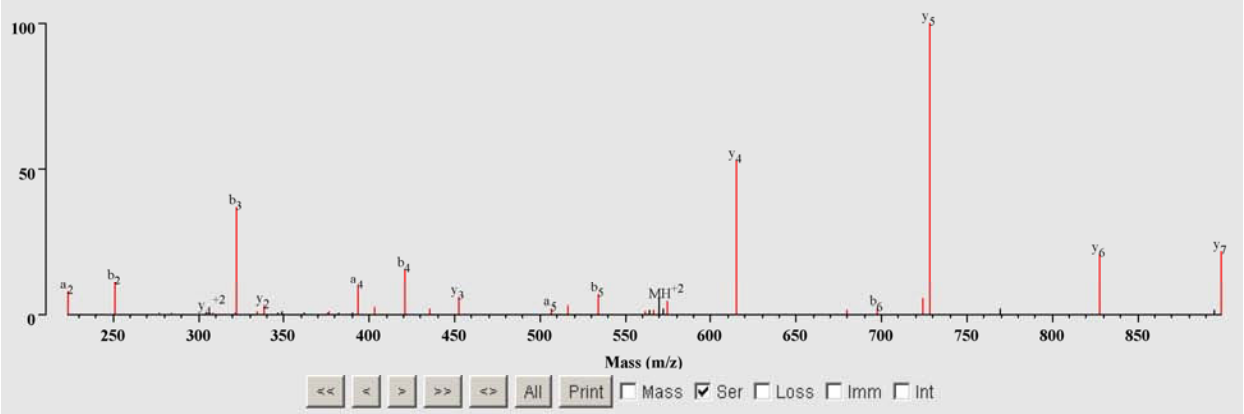
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1979.9556	990.4815
338.1347	3	S	1816.8923	908.9498
452.1776	4	N	1729.8603	865.4338
565.2617	5	L	1615.8174	808.4123
680.2886	6	D	1502.7333	751.8703
809.3312	7	E	1387.7063	694.3568
924.3581	8	D	1258.6638	629.8355
1037.4422	9	I	1143.6368	572.3220
1150.5263	10	I	1030.5527	515.7800
1221.5634	11	A	917.4687	459.2380
1350.6060	12	E	846.4316	423.7194
1479.6486	13	E	717.3890	359.1981
1593.6915	14	N	588.3464	294.6768
1706.7756	15	I	474.3035	237.6554
1805.8440	16	V	361.2194	181.1133
1892.8760	17	S	262.1510	131.5791

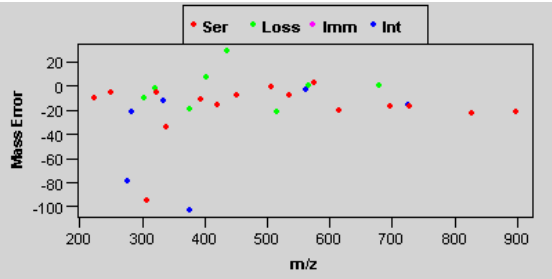
--- 18 **R** 1 175.1190 88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVLYNYR^{+2}



Max Intensity: **72.9**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **95.1%** Matched Series Intensity: **95.0%**



Sequence SYAVLYNYR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C54 H78 N13 O15

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1149.2994	1148.5735	575.1534	574.7904

[–] **Peak Matches**

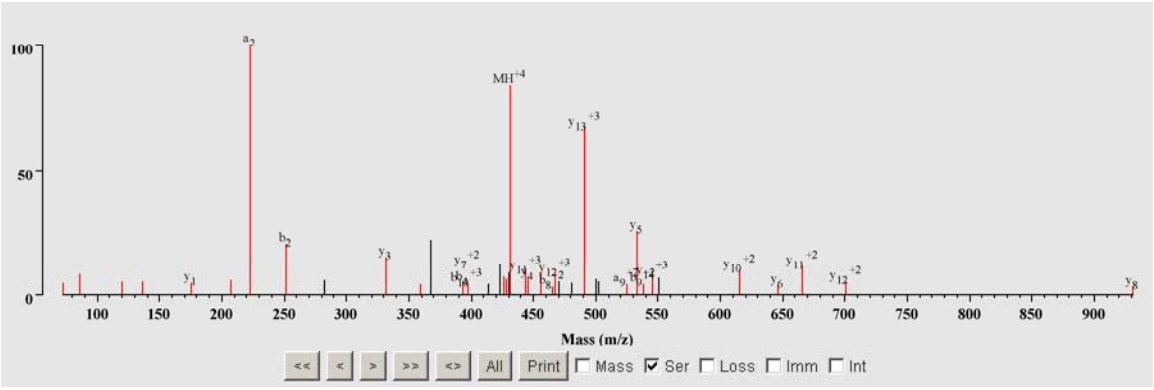
223.1054	**251.1012**	**277.1328**	**284.1906**	**304.1260**	**308.1187**	**321.1549**	**322.1378**	**334.1722**	**338.1707**
a_2(-10)	b_2(-5.7)	LY(-79)	AVL(-22)	b_3-H_2O(-10)	y_4^{+2}(-95)	y_2-NH_3(-2.6)	b_3(-6.0)	YAV(-12)	y_2(-34)
346.1772	**349.1704**	**362.1633**	**375.1954**	**376.1842**	**382.1484**	**390.1947**	**393.2089**	**403.2003**	**421.2016**
			a_4-H_2O(-19)	VLY(-103)			a_4(-11)	b_4-H_2O(6.7)	b_4(-16)
435.2113	**452.2216**	**506.2968**	**516.2701**	**534.2878**	**561.3016**	**564.2453**	**566.2774**	**569.3222**	**572.3005**
y_3-NH_3(29)	y_3(-8.0)	a_5(-1.0)	b_5-H_2O(-22)	b_5(-8.3)	AVLYN(-2.7)		MH-NH_3^{+2}(0.52)		
574.7917	**615.2764**	**679.3451**	**697.3437**	**724.3549**	**728.3599**	**769.4163**	**827.4221**	**894.4464**	**898.4593**
MH^{+2}(2.3)	y_4(-20)	b_6-H_2O(0.16)	b_6(-17)	AVLYNY(-16) YAVLYN(-16)	y_5(-17)		y_6(-23)		y_7(-21)

[–] **Main Sequence Ions**

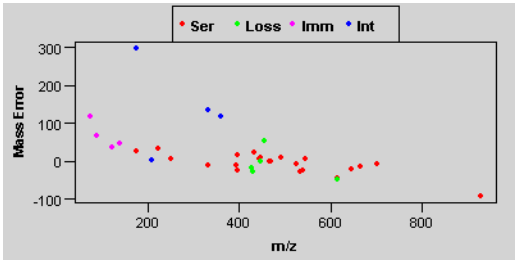
b			y	y^{+2}
---	1	S	9 ---	---
251.1026	2	Y	8 1061.5415	531.2744
322.1397	3	A	7 898.4781	449.7427
421.2082	4	V	6 827.4410	414.2241
534.2922	5	L	5 728.3726	364.6899
697.3556	6	Y	4 615.2885	308.1479
811.3985	7	N	3 452.2252	226.6162
974.4618	8	Y	2 338.1823	169.5948
---	9	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAVYHHFISDGVR^{+4}



Max Intensity: **9.57**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **84.8%** Matched Series Intensity: **80.7%**



Sequence SYAAVYHHFISDGVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C79 H113 N22 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1722.9123	1721.8394	861.9599	861.4234	574.9757	574.6180	431.4837	431.2153

[–] **Peak Matches**

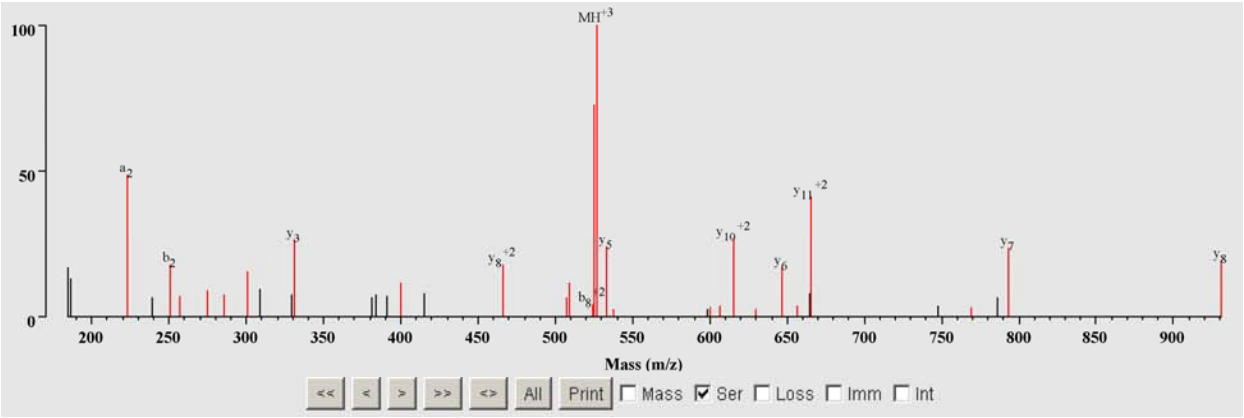
72.0892	86.1021	120.0850	136.0821	175.1233	207.1131	223.1152	251.1040	282.1928	331.2057
V(117)	I(66)	F(35)	Y(47)	SD-28(297) y_1(25)	YA-28(1.4)	a_2(34)	b_2(5.4)		SDGV-28(134) y_3(-9.4)
359.1983	**367.1964**	**393.1723**	**397.2046**	**413.7010**	**423.2329**	**426.7058**	**428.2129**	**430.4860**	**431.2247**
SDGV(117)		b_4(-12)	b_{10}^{+3}(17) y_7^{+2}(-23)			MH-H_2O^{+4}(-16)	y_4-H_2O(-29)		MH^{+4}(22)
443.8978	**446.2401**	**456.2367**	**465.2165**	**467.5733**	**470.2378**	**480.7485**	**491.2575**	**500.2817**	**501.7571**
y_{11}^{+3}(6.8)	y_4(9.7) a_5-H_2O(0.68)	b_8-H_2O^{+2}(55)	b_8^{+2}(-0.76)	y_{12}^{+3}(-1.1)			y_{13}^{+3}(9.4)		
524.7506	**533.2539**	**538.7387**	**545.6105**	**550.2744**	**615.7767**	**646.3377**	**665.3288**	**700.8521**	**930.3932**
a_9^{+2}(-5.7)	y_5(-26)	b_9^{+2}(-23)	y_{14}^{+3}(5.8)		y_{10}^{+2}(-45) a_{11}-H_2O^{+2}(-48)	y_6(-22)	y_{11}^{+2}(-15)	y_{12}^{+2}(-7.2)	y_8(-92)

[–] **Main Sequence Ions**

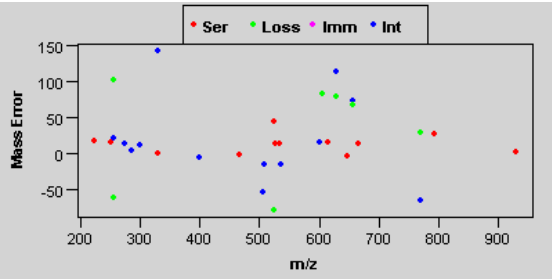
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1634.8074	817.9073
322.1397	---	3	A	13	1471.7441	736.3757
393.1769	---	4	A	12	1400.7070	700.8571
492.2453	---	5	V	11	1329.6698	665.3386
655.3086	---	6	Y	10	1230.6014	615.8044
792.3675	396.6874	7	H	9	1067.5381	534.2727
929.4264	465.2169	8	H	8	930.4792	465.7432
1076.4948	538.7511	9	F	7	793.4203	397.2138
1189.5789	595.2931	10	I	6	646.3519	323.6796
1276.6109	638.8091	11	S	5	533.2678	267.1375
1391.6379	696.3226	12	D	4	446.2358	223.6215
1448.6593	724.8333	13	G	3	331.2088	166.1081
1547.7278	774.3675	14	V	2	274.1874	137.5973
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVYHHFISDGVR^{+3}



Max Intensity: **10.3**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **81.9%** Matched Series Intensity: **78.6%**



Sequence: SYVYHHFISDGVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H103 N20 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1580.7537	1579.7652	790.8806	790.3862	527.5895	527.2599

[–] Peak Matches

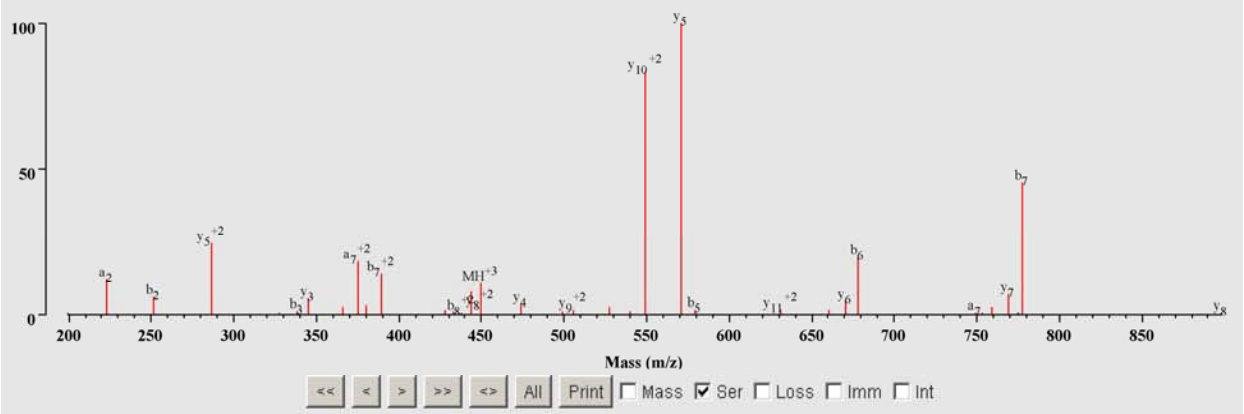
184.1304	186.1295	223.1117	239.0988	251.1063	257.1452	275.1288	285.1358	301.1330	309.1056
		a_2(18)		b_2(15)	b_6-H_2O^{+3}(103) HF-28(21) y_2-NH_3(-61)	HH(13)	HF(4.2)	YH(12)	
329.1143	**331.2087**	**381.1165**	**384.0820**	**391.1416**	**400.1960**	**415.2052**	**465.7426**	**507.2552**	**509.2543**
	SDGV-28(143) y_3(-0.39)				VYH(-4.8)		y_8^{+2}(-1.4)	HHFI-28(-54)	VYHH-28(-15)
524.2788	**525.2261**	**527.2668**	**533.2750**	**537.2489**	**598.3152**	**600.2868**	**606.8502**	**615.3846**	**615.8143**
b_8^{+2}(44)	y_9-H_2O^{+2}(-79)	MH^{+3}(13)	y_5(13)	VYHH(-15)		HFISD(15)	y_{10}-H_2O^{+2}(84)		y_{10}^{+2}(16)
629.3754	**646.3498**	**656.3780**	**664.9061**	**665.3478**	**747.3611**	**769.3642**	**786.5158**	**793.4419**	**930.4808**
HFISDG-28(113) y_6-NH_3(80)	y_6(-3.2)	VYHHF-28(73) y_{11}-H_2O^{+2}(68)		y_{11}^{+2}(14)		b_6-H_2O(29) VYHHFI-28(-65)		y_7(27)	y_8(1.7)

[–] Main Sequence Ions

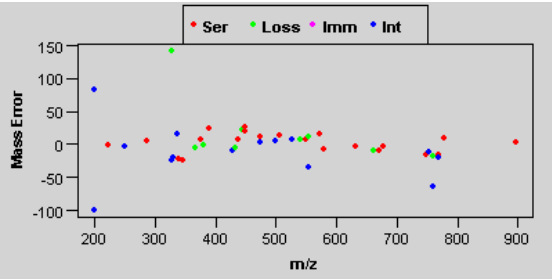
b	b^{+2}			y	y^{+2}
---	---	1	S 13	---	---
251.1026	---	2	Y 12	1492.7332	746.8702
350.1710	---	3	V 11	1329.6698	665.3386
513.2344	---	4	Y 10	1230.6014	615.8044
650.2933	325.6503	5	H 9	1067.5381	534.2727
787.3522	394.1797	6	H 8	930.4792	465.7432
934.4206	467.7139	7	F 7	793.4203	397.2138
1047.5047	524.2560	8	I 6	646.3519	323.6796
1134.5367	567.7720	9	S 5	533.2678	267.1375
1249.5636	625.2855	10	D 4	446.2358	223.6215
1306.5851	653.7962	11	G 3	331.2088	166.1081
1405.6535	703.3304	12	V 2	274.1874	137.5973
---	---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLKVVPEGIR^{+3}



Max Intensity: **1942**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.7%** Matched Series Intensity: **99.7%**



Sequence SYSLKVVPEGIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C61 H103 N16 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1348.5948	1347.7631	674.8011	674.3852	450.2032	449.9259

[–] **Peak Matches**

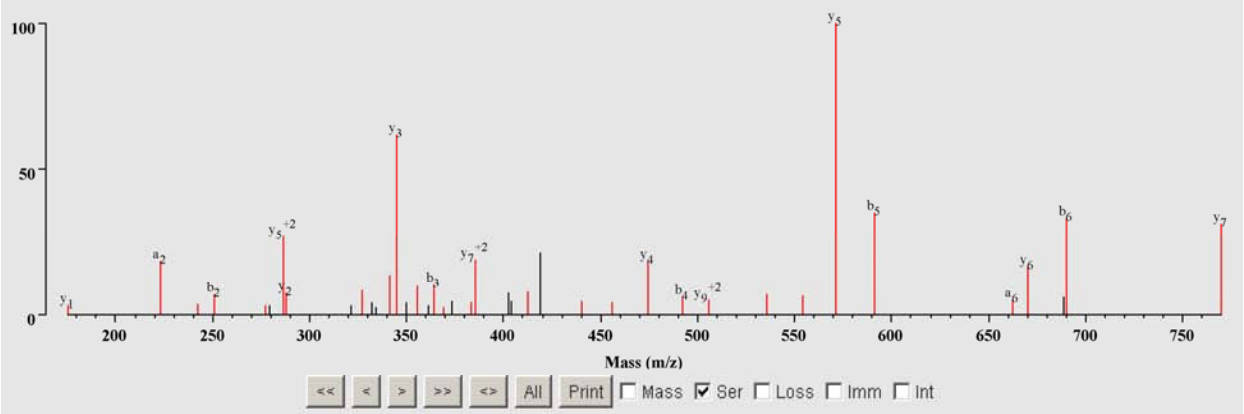
199.1241	223.1074	251.1018	286.1651	327.2309	329.2115	336.1967	338.1271	345.2157	366.2242
PE-28(82) VV(-100)	YS-28(-1.4) a_2(-1.4)	b_2(-3.3) YS(-3.3)	y_5^{+2}(5.4)	y_6-NH_3^{+2}(142) KVV(-25)	SLK(-21)	YSL-28(15)	b_3(-22)	y_3(-25)	a_7-H_2O^{+2}(-5.3)
375.2342	**380.2232**	**389.2388**	**428.2829**	**433.2057**	**437.7586**	**443.9327**	**448.3395**	**449.2879**	**449.9382**
a_7^{+2}(7.3)	b_7-H_2O^{+2}(-1.1)	b_7^{+2}(25)	SLKV(-9.0)	b_4-H_2O(-5.7)	b_8^{+2}(7.6)	MH-H_2O^{+3}(23)		y_8^{+2}(19)	MH^{+3}(27)
474.2730	**499.3629**	**505.8280**	**527.3594**	**540.3367**	**549.3417**	**553.3156**	**571.3288**	**579.3088**	**630.8670**
y_4(12) YSLK-H_2O(4.0)	SLKVV-28(5.3)	y_9^{+2}(13)	SLKVV(8.1)	y_{10}-H_2O^{+2}(8.3)	y_{10}^{+2}(7.7)	y_5-H_2O(11) KVVPE(-34)	y_5(16)	b_5(-8.4)	y_{11}^{+2}(-3.4)
660.3655	**670.3812**	**678.3796**	**749.4438**	**753.4421**	**759.4269**	**769.4446**	**775.4188**	**777.4575**	**897.5536**
b_6-H_2O(-9.2)	y_6(-10)	b_6(-3.7)	a_7(-16)	SLKVVPE(-11)	b_7-H_2O(-17) YSLKVVP-28(-65)	y_7(-16) YSLKVVP-H_2O(-21)		b_7(9.0)	y_8(2.2)

[–] **Main Sequence Ions**

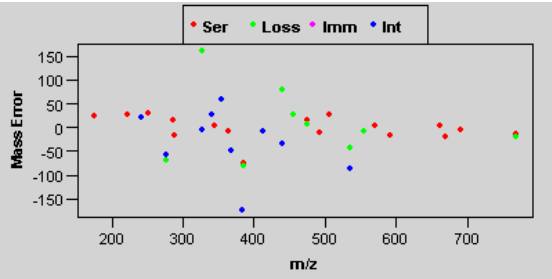
b	b^{+2}			y	y^{+2}
---	---	1	S 12	---	---
251.1026	---	2	Y 11	1260.7310	630.8692
338.1347	---	3	S 10	1097.6677	549.3375
451.2187	---	4	L 9	1010.6357	505.8215
579.3137	290.1605	5	K 8	897.5516	449.2795
678.3821	339.6947	6	V 7	769.4567	385.2320
777.4505	389.2289	7	V 6	670.3883	335.6978
874.5033	437.7553	8	P 5	571.3198	286.1636
1003.5459	502.2766	9	E 4	474.2671	237.6372
1060.5673	530.7873	10	G 3	345.2245	173.1159
1173.6514	587.3293	11	I 2	288.2030	144.6051
---	---	12	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLKVVPEGIR^{+3}



Max Intensity: **8.20**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **88.3%** Matched Series Intensity: **88.3%**



Sequence SYLKVVPEGIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C58 H98 N15 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1261.5161	1260.7310	631.2618	630.8692	421.1770	420.9152

[–] **Peak Matches**

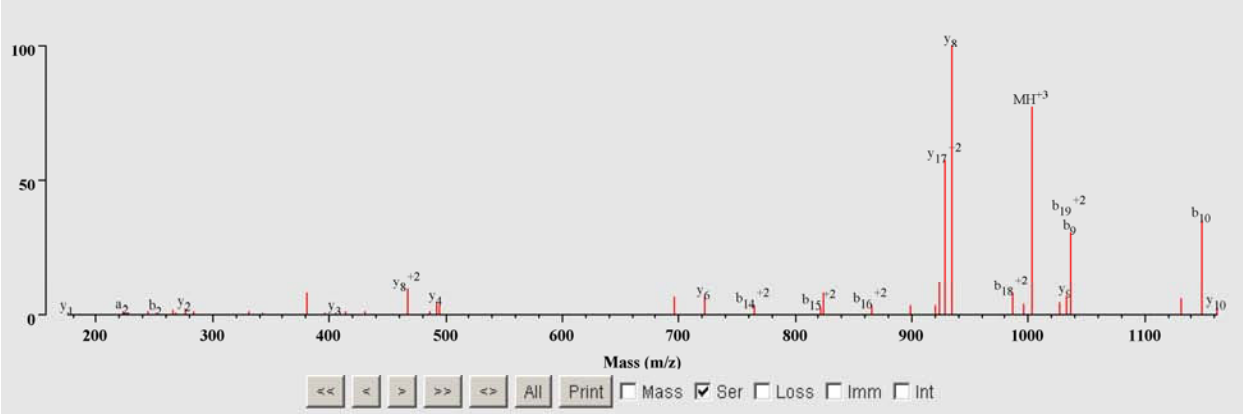
175.1231	223.1139	242.1915	251.1102	277.1391	279.1771	286.1678	288.1985	321.1244	327.2373
y_1(24)	a_2(28)	LK(21)	b_2(30)	YL(-56) y_5-H_2O^{+2}(-69)		y_5^{+2}(15)	y_2(-16)		y_6-NH_3^{+2}(161) KVV(-5.4)
332.1888	**334.1013**	**341.2638**	**345.2259**	**350.1775**	**355.2187**	**361.1229**	**364.1835**	**369.1950**	**373.1357**
		LKV(27)	y_3(4.1)		VPEG-28(59)		b_3(-8.8)	PEGI-28(-49)	
383.1260	**385.2033**	**402.2183**	**404.2112**	**412.3248**	**419.2129**	**440.3088**	**456.2683**	**474.2738**	**492.2770**
VPEG(-174)	y_7^{+2}(-75) b_7-H_2O^{+2}(-80)			LKVV-28(-8.3)		y_8-H_2O^{+2}(79) LKVV(-33)	y_4-H_2O(26)	y_4(14) b_4-H_2O(5.7)	b_4(-9.5)
505.8347	**535.2771**	**554.2890**	**571.3223**	**591.3408**	**662.4268**	**670.3752**	**688.3845**	**690.4150**	**769.4451**
y_9^{+2}(26)	b_{10}-NH_3^{+2}(-43) KVVPE-H_2O(-87)	y_5-NH_3(-7.7)	y_5(4.3)	b_5(-16)	a_6(4.9)	y_6(-19)		b_6(-5.1)	y_7(-15) b_7-H_2O(-20)

[–] **Main Sequence Ions**

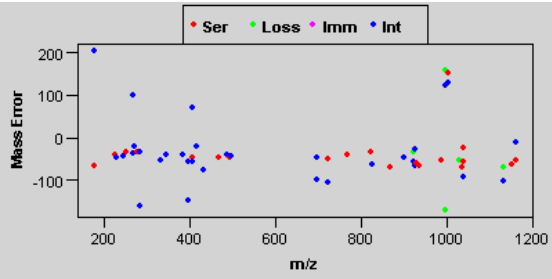
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1173.6990	587.3531
364.1867	---	3	**L**	9	1010.6357	505.8215
492.2817	246.6445	4	**K**	8	897.5516	449.2795
591.3501	296.1787	5	**V**	7	769.4567	385.2320
690.4185	345.7129	6	**V**	6	670.3883	335.6978
787.4713	394.2393	7	**P**	5	571.3198	286.1636
916.5138	458.7606	8	**E**	4	474.2671	237.6372
973.5353	487.2713	9	**G**	3	345.2245	173.1159
1086.6194	543.8133	10	**I**	2	288.2030	144.6051
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEGVQKEDIPPADLSDQVPDTESETR^{+3}



Max Intensity: **74.1**
Num Matched: **40/40 (0.0% unmatched)** Matched Intensity: **100.0%** Matched Series Intensity: **100.0%**



Sequence SYEGVQKEDIPPADLSDQVPDTESETR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C126 H198 N33 O52

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
3007.1674	3005.3858	1504.0874	1503.1965	1003.0608	1002.4668

[–] Peak Matches

175.1071	223.0985	228.1235	244.0823	251.0944	266.1402	268.1232	276.1570	284.1147	331.1072
SD-28(204) y_1(-68)	a_2(-41)	VQ(-47) QV(-47)	DQ(-43)	b_2(-33)	PAD-H_2O(100) PPA(-37)	GVQ-NH_3(-22) EGV-H_2O(-22)	y_2(-35)	PAD(-33) VPD-28(-161)	SDQ(-53)
343.1469	**381.1620**	**396.1657**	**405.1903**	**414.1895**	**430.1611**	**467.6879**	**486.2371**	**492.2175**	**494.2394**
DQV(-42)	PPAD(-39)	EGVQ-H_2O(-56) GVQK-NH_3(-148)	DTES-28(71) y_3(-47) DIPP-H_2O(-57)	EGVQ(-21)	SDQV(-75)	y_8^{+2}(-46)	KEDI(-39)	y_4(-48)	IPPAD(-44) PPADL(-44) DIPPA(-44)
696.2874	**722.2949**	**765.3271**	**821.8730**	**824.3275**	**865.3578**	**899.4058**	**920.3848**	**923.3846**	**928.8741**
PPADLSD(-47) VQKEDI-NH_3(-99)	y_6(-51) DIPPADL(-107)	b_{14}^{+2}(-42)	b_{15}^{+2}(-35)	PPADLSDQ(-62)	b_{16}^{+2}(-69)	EGVQKEDI(-46)	y_{17}-NH_3^{+2}(-34) EDIPPADLS-H_2O(-56) IPPADLSDQ-NH_3(-56)	ADLSDQVPD-H_2O(-28) PADLSDQVP(-67) PPADLSDQV(-67)	y_{17}^{+2}(-59)
934.3508	**986.9063**	**996.6212**	**1002.6188**	**1027.4357**	**1033.4082**	**1036.4345**	**1131.4532**	**1149.4689**	**1161.4779**
y_8(-65)	b_{18}^{+2}(-55)	MH-H_2O^{+3}(159) EGVQKEDIP(122) MH-NH_3^{+3}(-171)	MH^{+3}(152) PPADLSDQVP-H_2O(129)	b_{19}-H_2O^{+2}(-52)	y_9(-69)	b_9(-23) b_{19}^{+2}(-58) IPPADLSDQV(-93)	b_{10}-H_2O(-69) YEGVQKEDIP-28(-102)	b_{10}(-64)	SDQVPDTESET-28(-11) y_{10}(-52)

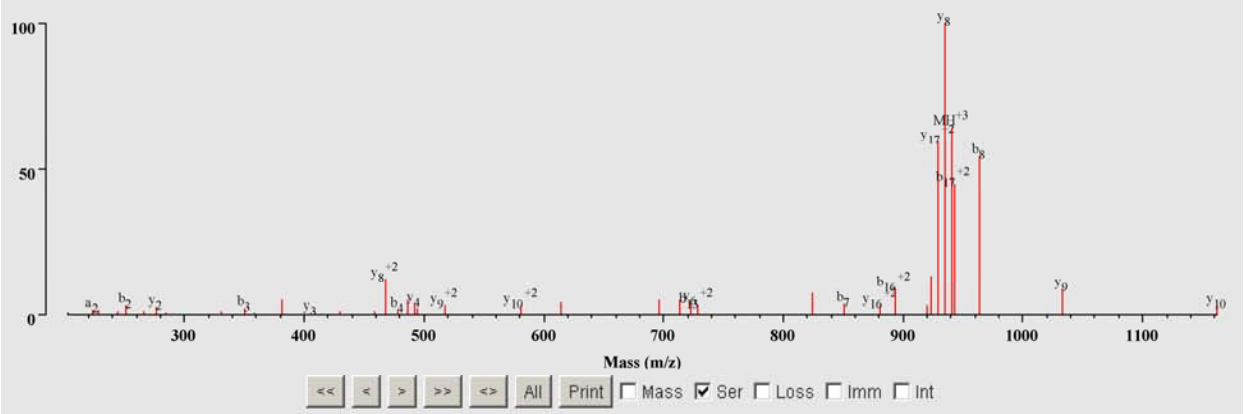
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 27	---	---
251.1026	---	2	**Y** 26	2918.3538	1459.6805
380.1452	---	3	**E** 25	2755.2905	1378.1489
437.1667	---	4	**G** 24	2626.2479	1313.6276
536.2351	---	5	**V** 23	2569.2264	1285.1168
664.2937	---	6	**Q** 22	2470.1580	1235.5826
792.3886	396.6980	7	**K** 21	2342.0994	1171.5533
921.4312	461.2193	8	**E** 20	2214.0044	1107.5059
1036.4582	518.7327	9	**D** 19	2084.9618	1042.9846
1149.5422	575.2748	10	**I** 18	1969.9349	985.4711
1246.5950	623.8011	11	**P** 17	1856.8508	928.9291
1343.6478	672.3275	12	**P** 16	1759.7981	880.4027
1414.6849	707.8461	13	**A** 15	1662.7453	831.8763
1529.7118	765.3596	14	**D** 14	1591.7082	796.3577

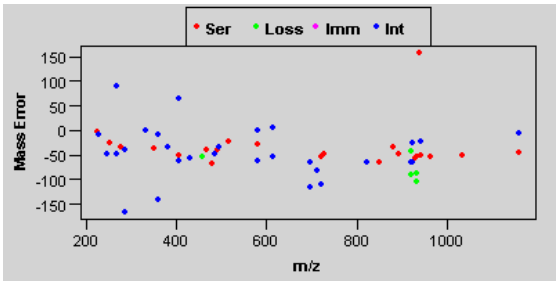
1642.7959	821.9016	15	**L**	13	1476.6813	738.8443
1729.8279	865.4176	16	**S**	12	1363.5972	682.3022
1844.8549	922.9311	17	**D**	11	1276.5652	638.7862
1972.9134	986.9604	18	**Q**	10	1161.5382	581.2727
2071.9819	1036.4946	19	**V**	9	1033.4796	517.2435
2169.0346	1085.0209	20	**P**	8	934.4112	467.7093
2284.0616	1142.5344	21	**D**	7	837.3585	419.1829
2385.1092	1193.0583	22	**T**	6	722.3315	361.6694
2514.1518	1257.5796	23	**E**	5	621.2838	311.1456
2601.1839	1301.0956	24	**S**	4	492.2413	246.6243
2730.2265	1365.6169	25	**E**	3	405.2092	203.1083
2831.2741	1416.1407	26	**T**	2	276.1666	138.5870
---	---	27	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVQKEDIPPADLSDQVPDTESETR^{+3}



Max Intensity: **98.2**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.8%** Matched Series Intensity: **99.7%**



Sequence: SYVQKEDIPPADLSDQVPDTESETR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C119 H188 N31 O48

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2820.9990	2819.3218	1411.0032	1410.1645	941.0046	940.4454

[–] Peak Matches

202.1324	223.1070	228.1320	244.0808	251.0959	266.1371	276.1570	284.1131	331.1244	350.1580
	a_2(-3.2)	VQ(-9.9) QV(-9.9)	DQ(-49)	b_2(-27)	PAD-H_2O(89) PPA(-48)	y_2(-35)	PAD(-39) VPD-28(-167)	SDQ(-1.3)	b_3(-37)
358.1581	**381.1638**	**405.1884**	**430.1690**	**458.6794**	**467.6900**	**478.1966**	**486.2329**	**492.2217**	**494.2436**
EDI(-7.8) QKE-28(-141)	PPAD(-34)	DTES-28(66) y_3(-51) DIPP-H_2O(-61)	SDQV(-56)	y_8-H_2O^{+2}(-54)	y_8^{+2}(-41)	b_4(-69)	KEDI(-47)	y_4(-40)	PPADL(-35) DIPPA(-35) IPPAD(-35)
517.2319	**581.2566**	**614.2813**	**696.2749**	**713.3242**	**722.2924**	**728.8336**	**824.3248**	**850.3400**	**880.3723**
y_9^{+2}(-22)	PADLSD-H_2O(0.055) y_{10}^{+2}(-28) PPADLS(-63) DIPPAD-28(-63)	SDQVPD-28(5.3) QKEDI(-54)	PPADLSD(-65) VQKEDI-NH_3(-117)	VQKEDI(-82)	y_6(-54) DIPPADL(-110)	b_{13}^{+2}(-49)	PPADLSDQ(-65)	b_7(-64)	y_{16}^{+2}(-35)
893.8854	**920.3761**	**923.3875**	**928.8769**	**934.3595**	**940.5941**	**943.4157**	**963.4266**	**1033.4265**	**1161.4843**
b_{16}^{+2}(-48)	y_{17}-NH_3^{+2}(-43) IPPADLSDQ-NH_3(-65) EDIPPADLS-H_2O(-65) a_{17}-H_2O^{+2}(-91)	ADLSDQVPD-H_2O(-25) PPADLSDQV(-64) PADLSDQVP(-64)	y_{17}^{+2}(-56)	y_8(-55) MH-H_2O^{+3}(-88) b_{17}-H_2O^{+2}(-105)	MH^{+3}(158)	DLSDQVPDT-28(-22) b_{17}^{+2}(-50)	b_8(-54)	y_9(-51)	SDQVPDTESET-28(-5.4) y_{10}(-46)

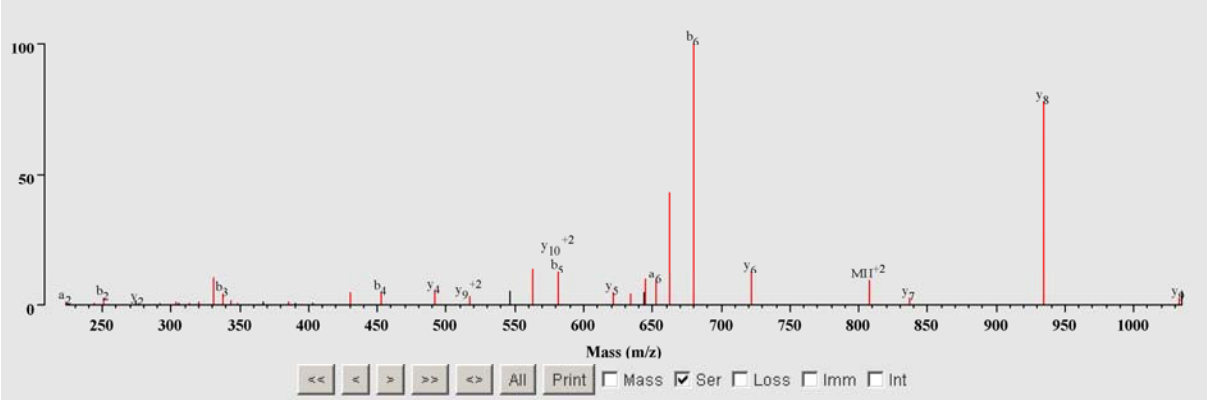
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	25 ---	---
251.1026	---	2	Y	24 2732.2897	1366.6485
350.1710	---	3	V	23 2569.2264	1285.1168
478.2296	---	4	Q	22 2470.1580	1235.5826
606.3246	303.6659	5	K	21 2342.0994	1171.5533
735.3672	368.1872	6	E	20 2214.0044	1107.5059
850.3941	425.7007	7	D	19 2084.9618	1042.9846
963.4782	482.2427	8	I	18 1969.9349	985.4711
1060.5310	530.7691	9	P	17 1856.8508	928.9291
1157.5837	579.2955	10	P	16 1759.7981	880.4027
1228.6208	614.8141	11	A	15 1662.7453	831.8763
1343.6478	672.3275	12	D	14 1591.7082	796.3577
1456.7318	728.8696	13	L	13 1476.6813	738.8443

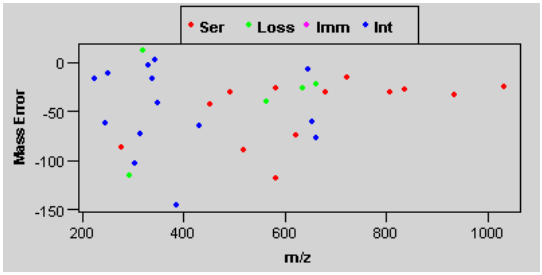
1543.7639	772.3856	14	**S**	12	1363.5972	682.3022
1658.7908	829.8990	15	**D**	11	1276.5652	638.7862
1786.8494	893.9283	16	**Q**	10	1161.5382	581.2727
1885.9178	943.4625	17	**V**	9	1033.4796	517.2435
1982.9706	991.9889	18	**P**	8	934.4112	467.7093
2097.9975	1049.5024	19	**D**	7	837.3585	419.1829
2199.0452	1100.0262	20	**T**	6	722.3315	361.6694
2328.0878	1164.5475	21	**E**	5	621.2838	311.1456
2415.1198	1208.0635	22	**S**	4	492.2413	246.6243
2544.1624	1272.5848	23	**E**	3	405.2092	203.1083
2645.2101	1323.1087	24	**T**	2	276.1666	138.5870
---	---	25	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSDQVPDTESETR^{+2}



Max Intensity: **8.56**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **93.9%** Matched Series Intensity: **93.8%**



Sequence SYSDQVPDTESETR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C65 H101 N18 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1614.6292	1613.6926	807.8183	807.3499

[–] **Peak Matches**

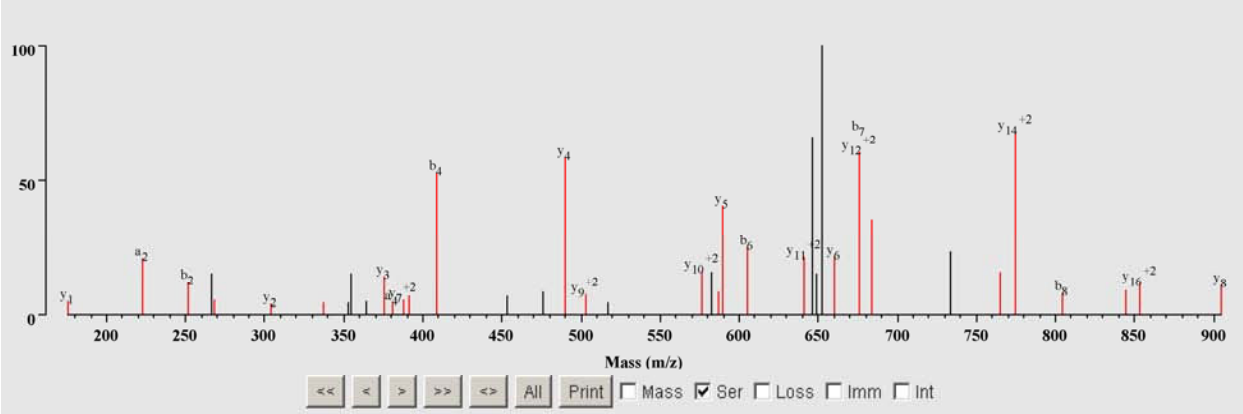
223.1040	244.0776	251.0997	274.0906	276.1425	292.0953	303.0985	305.1304	313.0914	320.1278
a_2(-17) YS-28(-17)	DQ(-62)	b_2(-12) YS(-12)		y_2(-87)	a_3-H_2O(-116)	SDQ-28(-104)		SDQ-H_2O(-73)	b_3-H_2O(12)
331.1236	**338.1289**	**343.1618**	**348.1047**	**362.1777**	**365.1342**	**367.1954**	**385.1518**	**390.0770**	**403.1794**
SDQ(-3.7)	b_3(-17) YSD-28(-17)	DQV(1.7)	YSD-H_2O(-41)				VPDT-28(-146)		
430.1651	**453.1419**	**492.2266**	**517.1974**	**546.1807**	**563.1869**	**581.2042**	**621.2378**	**634.2666**	**644.2435**
SDQV(-65)	b_4(-43)	y_4(-30)	y_9^{+2}(-89)		b_5-H_2O(-40)	b_5(-27) y_{10}^{+2}(-118)	y_5(-74)	a_6-H_2O(-26)	
645.2313	**652.2540**	**662.2636**	**680.2681**	**722.3210**	**807.3245**	**837.3348**	**934.3803**	**1033.4535**	**1034.4365**
DTESET-H_2O(-7.6)	a_6(-61) QVPDTE-H_2O(-61)	b_6-H_2O(-22) YSDQVP-28(-77)	b_6(-30)	y_6(-15)	MH^{+2}(-31)	y_7(-28)	y_8(-33)	y_9(-25)	

[–] **Main Sequence Ions**

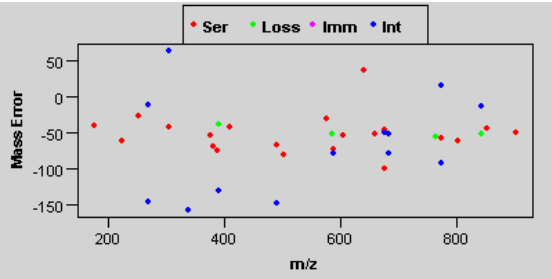
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1526.6605	763.8339
338.1347	3	S	12 1363.5972	682.3022
453.1616	4	D	11 1276.5652	638.7862
581.2202	5	Q	10 1161.5382	581.2727
680.2886	6	V	9 1033.4796	517.2435
777.3414	7	P	8 934.4112	467.7093
892.3683	8	D	7 837.3585	419.1829
993.4160	9	T	6 722.3315	361.6694
1122.4586	10	E	5 621.2838	311.1456
1209.4906	11	S	4 492.2413	246.6243
1338.5332	12	E	3 405.2092	203.1083
1439.5809	13	T	2 276.1666	138.5870
---	14	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTPVAQM(Oxidation)TEDAVDAER^{+3}



Max Intensity: **12.9**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **62.1%** Matched Series Intensity: **62.1%**



Sequence: SYGTPVAQM(Oxidation)TEDAVDAER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H127 N22 O33 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1956.9308	1955.8651	978.9691	978.4362	652.9819	652.6266

[–] Peak Matches

175.1121	223.0943	251.0959	266.1217	268.1263	304.1487	337.1341	353.1857	354.1717	364.1345
y_1(-39)	a_2(-60)	b_2(-27)		AVD-H_2O(-11) VDA-H_2O(-11) DAV-H_2O(-11) PVA(-146)	YGT-H_2O(64) y_2(-42)	GTPV-H_2O(-157)			
375.1789	**381.1509**	**388.1539**	**391.1466**	**409.1548**	**453.1910**	**476.1933**	**490.1934**	**503.1877**	**516.7671**
y_3(-53)	a_4(-68)	y_7^{+2}(-74)	b_4-H_2O(-37) YGTP-28(-130)	b_4(-41)			y_4(-66) YGTPV-28(-148)	y_9^{+2}(-80)	
576.7276	**582.2222**	**587.2522**	**589.2515**	**605.2607**	**640.7984**	**646.5930**	**648.7486**	**652.2726**	**652.5917**
y_{10}^{+2}(-31)		b_6-H_2O(-51)	y_5(-72) YGTPVA(-79)	b_6(-53)	y_{11}^{+2}(37)				
660.2975	**676.2632**	**684.2482**	**733.7832**	**765.3061**	**774.3099**	**804.3403**	**844.3399**	**853.3507**	**904.3567**
y_6(-51)	y_{12}^{+2}(-45) VAQM(Oxidation)TE(-50) b_7(-99)	TEDAVDA-H_2O(-52) GTPVAQM(Oxidation)-NH_3(-79)		y_{14}-H_2O^{+2}(-56)	VAQM(Oxidation)TED-NH_3(16) QM(Oxidation)TEDAV-NH_3(16) y_{14}^{+2}(-57) GTPVAQM(Oxidation)T-28(-92)	b_8(-60)	VAQM(Oxidation)TEDA-H_2O(-13) AQM(Oxidation)TEDAV-H_2O(-13) y_{16}-H_2O^{+2}(-51)	y_{16}^{+2}(-44)	y_8(-49)

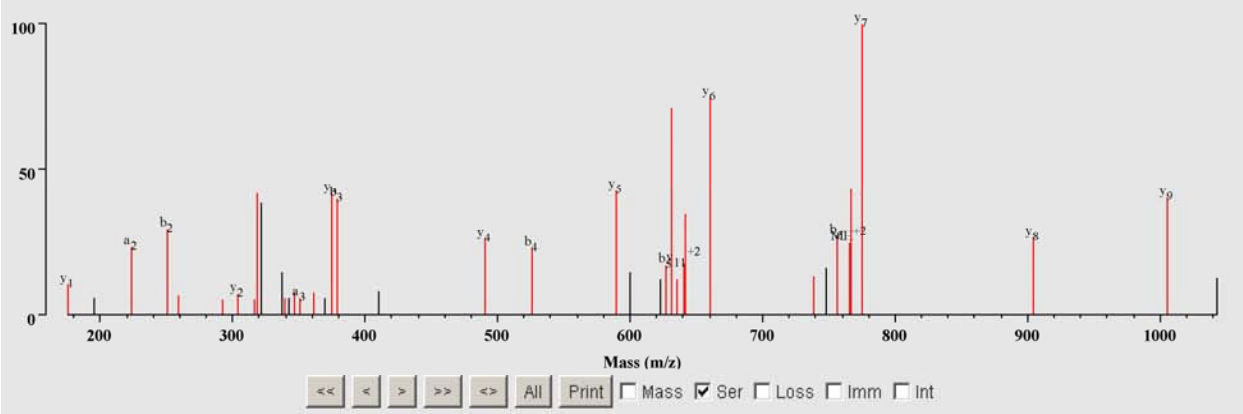
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1868.8331	934.9202
308.1241	3	G	16	1705.7698	853.3885
409.1718	4	T	15	1648.7483	824.8778
506.2245	5	P	14	1547.7006	774.3539
605.2930	6	V	13	1450.6478	725.8276
676.3301	7	A	12	1351.5794	676.2934
804.3886	8	Q	11	1280.5423	640.7748
951.4240	9	M(Oxidation)	10	1152.4837	576.7455
1052.4717	10	T	9	1005.4483	503.2278
1181.5143	11	E	8	904.4007	452.7040
1296.5413	12	D	7	775.3581	388.1827
1367.5784	13	A	6	660.3311	330.6692
1466.6468	14	V	5	589.2940	295.1506

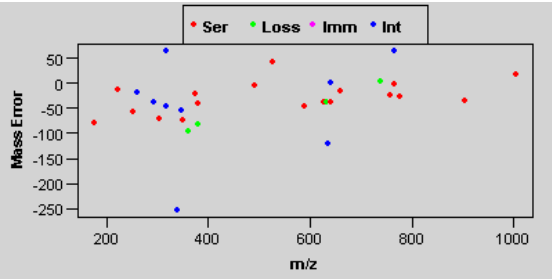
1581.6737	15	**D**	4	490.2256	245.6164
1652.7108	16	**A**	3	375.1987	188.1030
1781.7534	17	**E**	2	304.1615	152.5844
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQM(Oxidation)TEDAVDAER^{+2}



Max Intensity: **1.17**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **86.2%** Matched Series Intensity: **85.9%**



Sequence: SYQM(Oxidation)TEDAVDAER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C61 H96 N17 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1531.4426	1530.6377	766.2250	765.8225

[–] Peak Matches

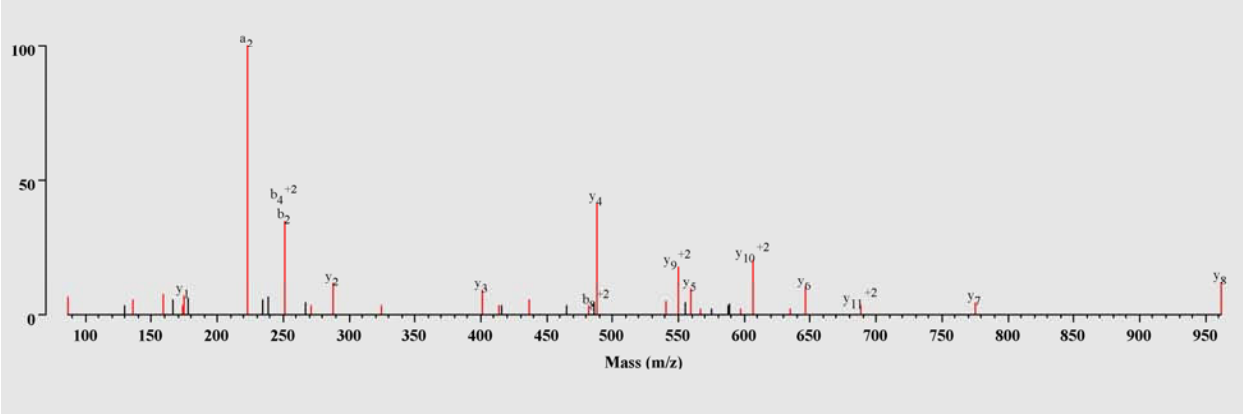
175.1049	**195.0620**	**223.1046**	**251.0883**	**259.0698**	**292.1185**	**304.1397**	**316.1340**	**318.1145**	**321.1266**
y_1(-80)		a_2(-14)	b_2(-57)	QM(Oxidation)-NH_3(-19)	YQ(-37)	y_2(-72)	DAE(64) EDA(64)	TED-28(-47)	
337.0824	**339.0803**	**342.1040**	**346.1054**	**351.1404**	**361.1161**	**370.0525**	**375.1903**	**379.1461**	**410.0699**
	AVDA-H_2O(-254)		TED(-55)	a_3(-74)	b_3-H_2O(-96)		y_3(-22)	b_3(-40) y_7-H_2O^{+2}(-83)	
490.2233	**526.2192**	**589.2664**	**599.7485**	**623.2257**	**627.2207**	**631.7446**	**635.1941**	**640.7501**	**641.2605**
y_4(-4.7)	b_4(43)	y_5(-47)			b_5(-38)	y_{11}-H_2O^{+2}(-39)	M(Oxidation)TEDAV-28(-120)	y_{11}^{+2}(-39)	YQM(Oxidation)TE-28(0.88)
660.3210	**738.2789**	**748.2575**	**756.2689**	**765.8204**	**766.3208**	**775.3370**	**904.3693**	**1005.4650**	**1042.5244**
y_6(-15)	b_6-H_2O(3.5)		YQM(Oxidation)TED-28(-24) b_6(-24)	MH^{+2}(-2.7)	YQM(Oxidation)TED-H_2O(65)	y_7(-27)	y_8(-35)	y_9(17)	

[–] Main Sequence Ions

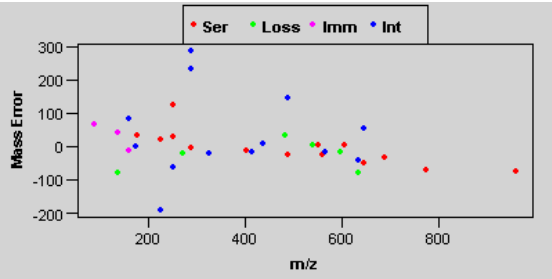
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1443.6056	722.3065
379.1612	3	Q	11	1280.5423	640.7748
526.1966	4	M(Oxidation)	10	1152.4837	576.7455
627.2443	5	T	9	1005.4483	503.2278
756.2869	6	E	8	904.4007	452.7040
871.3138	7	D	7	775.3581	388.1827
942.3509	8	A	6	660.3311	330.6692
1041.4194	9	V	5	589.2940	295.1506
1156.4463	10	D	4	490.2256	245.6164
1227.4834	11	A	3	375.1987	188.1030
1356.5260	12	E	2	304.1615	152.5844
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYIHWESASLLR^{+3}



Max Intensity: **7.70**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **85.7%** Matched Series Intensity: **86.9%**



Sequence SYIHWESASLLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C67 H101 N18 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1462.6583	1461.7485	731.8329	731.3779	488.2244	487.9210

[–] Peak Matches

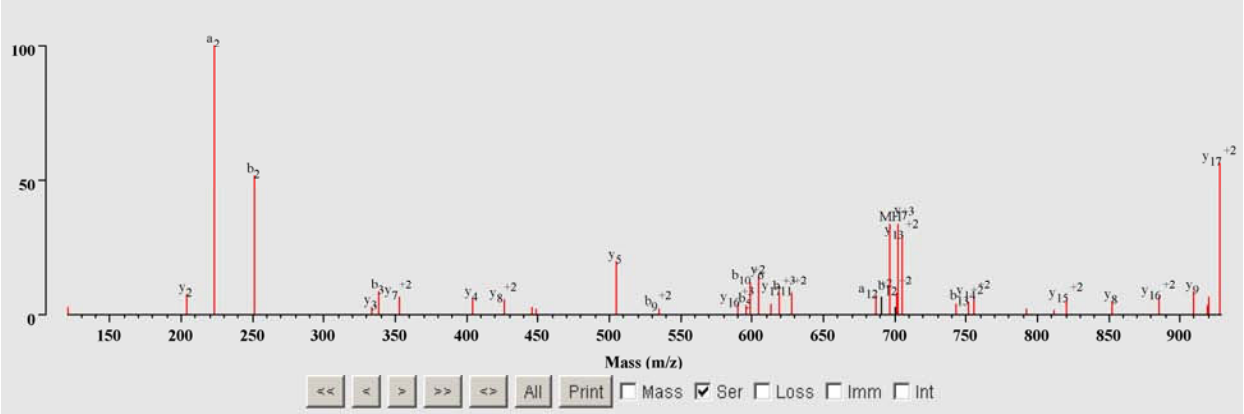
86.1021	130.0759	136.0810	159.0895	166.0660	173.1286	175.1245	178.0918	223.1124	234.1271
I(66) L(66)		Y(39) y_2-NH_3^{+2}(-80)	AS(82) SA(82) W(-14)		SL-28(0.84)	y_1(32)		a_2(21) IH-28(-192)	
239.1050	**251.1340**	**267.1073**	**271.1710**	**288.2013**	**324.1382**	**401.2820**	**414.2056**	**416.2365**	**437.2325**
	b_2(125) b_4^{+2}(30) IH(-65)		y_5-H_2O^{+2}(-20) y_2-NH_3(-20)	ESA(286) WE-28(233) y_2(-6.0)	HW(-23)	y_3(-13)	YIH(-19)		IHW(6.7)
465.2104	**481.9330**	**486.2313**	**487.7101**	**488.3060**	**540.7838**	**549.7910**	**554.9412**	**559.3415**	**566.2619**
	MH-H_2O^{+3}(32)		b_8^{+2}(-24)	ESASL(145) y_4(-27)	y_9-H_2O^{+2}(1.7)	y_9^{+2}(5.1)		y_5(-26)	IHWE(-18)
575.3140	**587.3474**	**588.8026**	**597.3150**	**606.3313**	**635.2658**	**646.3545**	**687.8380**	**775.3764**	**961.4387**
			y_{10}-H_2O^{+2}(-17)	y_{10}^{+2}(1.8)	IHWES-H_2O(-44) b_{11}-H_2O^{+2}(-80)	WESASL-28(54) y_6(-52)	y_{11}^{+2}(-35)	y_7(-70)	y_8(-74)

[–] Main Sequence Ions

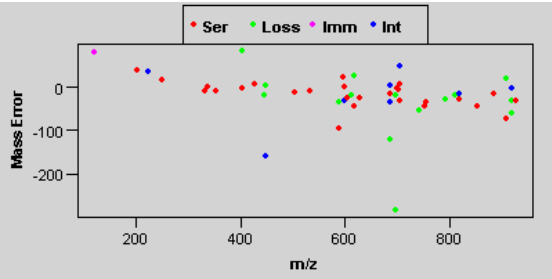
b	b^{+2}			y	y^{+2}
---	---	1	S	12 ---	---
251.1026	---	2	Y	11 1374.7165	687.8619
364.1867	---	3	I	10 1211.6531	606.3302
501.2456	251.1264	4	H	9 1098.5691	549.7882
687.3249	344.1661	5	W	8 961.5102	481.2587
816.3675	408.6874	6	E	7 775.4308	388.2191
903.3995	452.2034	7	S	6 646.3883	323.6978
974.4367	487.7220	8	A	5 559.3562	280.1817
1061.4687	531.2380	9	S	4 488.3191	244.6632
1174.5527	587.7800	10	L	3 401.2871	201.1472
1287.6368	644.3220	11	L	2 288.2030	144.6051
---	---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSEETKENEGFTVTAEGK^{+3}



Max Intensity: **21.9**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **97.7%** Matched Series Intensity: **97.4%**



Sequence: SYSEETKENEGFTVTAEGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C89 H137 N22 O37

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2107.2054	2105.9509	1054.1064	1053.4791	703.0734	702.6552

[–] Peak Matches

120.0902	204.1421	223.1152	251.1070	333.1740	338.1352	353.1890	404.2130	426.7296	446.2241
F(78)	y_2(38)	a_2(34) YS-28(34)	YS(17) b_2(17)	y_3(-8.6)	b_3(1.6)	y_7^{+2}(-9.9)	b_7-H_2O^{+2}(83) y_4(-2.4)	y_8^{+2}(6.8)	y_9-H_2O^{+2}(-18)
449.1681	**505.2553**	**534.7215**	**590.2229**	**596.2329**	**599.2482**	**604.3146**	**613.2755**	**619.2625**	**627.7448**
b_4-H_2O(3.1) FTVT(-159)	y_5(-13)	b_9^{+2}(-11)	b_{10}-H_2O^{+2}(-35) y_{16}^{+3}(-96)	b_5(22)	b_{10}^{+2}(-1.2) EETKE-H_2O(-32)	y_6(-26)	y_{17}-H_2O^{+3}(-18)	b_{11}-NH_3^{+2}(26) y_{17}^{+3}(-44)	b_{11}^{+2}(-24)
687.2846	**690.6087**	**690.9644**	**696.6388**	**700.2951**	**701.2907**	**702.6499**	**705.3546**	**742.7734**	**751.7853**
SEETKE-NH_3(2.1) a_{12}^{+2}(-17) KENEGF-H_2O(-36) y_7-H_2O(-120)			MH-H_2O^{+3}(-18) y_{13}-NH_3^{+2}(-283)		b_{12}^{+2}(-4.5)	MH^{+3}(-7.5)	KENEGF(49) y_{13}^{+2}(8.0) y_7(-33)	b_{13}-H_2O^{+2}(-53)	b_{13}^{+2}(-43)
755.8471	**792.8158**	**811.8643**	**820.3710**	**852.4075**	**884.9010**	**909.4013**	**919.3972**	**919.8622**	**928.4022**
y_{14}^{+2}(-34)	b_{14}-NH_3^{+2}(-29)	y_{15}-NH_3^{+2}(-20)	NEGFTVTA(-15) y_{15}^{+2}(-28)	y_8(-45)	y_{16}^{+2}(-16)	a_8-NH_3(19) y_9(-73)	SEETKENE-28(-3.4) y_{17}-H_2O^{+2}(-31)	y_{17}-NH_3^{+2}(-61)	y_{17}^{+2}(-31)

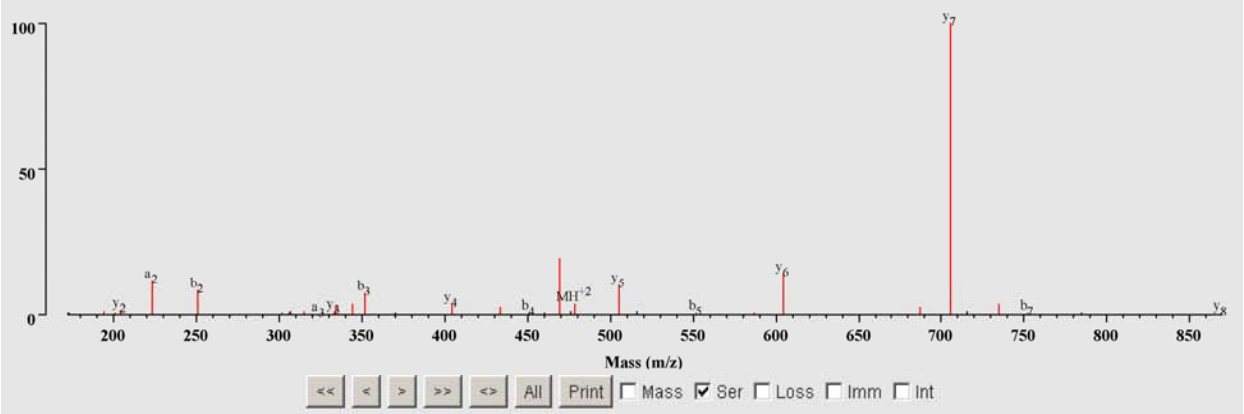
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	19 ---	---
251.1026	---	2	Y	18 2018.9189	1009.9631
338.1347	---	3	S	17 1855.8556	928.4314
467.1773	---	4	E	16 1768.8236	884.9154
596.2198	---	5	E	15 1639.7810	820.3941
697.2675	---	6	T	14 1510.7384	755.8728
825.3625	413.1849	7	K	13 1409.6907	705.3490
954.4051	477.7062	8	E	12 1281.5957	641.3015
1068.4480	534.7276	9	N	11 1152.5531	576.7802
1197.4906	599.2489	10	E	10 1038.5102	519.7587
1254.5121	627.7597	11	G	9 909.4676	455.2374
1401.5805	701.2939	12	F	8 852.4462	426.7267
1502.6282	751.8177	13	T	7 705.3777	353.1925
1601.6966	801.3519	14	V	6 604.3301	302.6687
1702.7443	851.8758	15	T	5 505.2617	253.1345

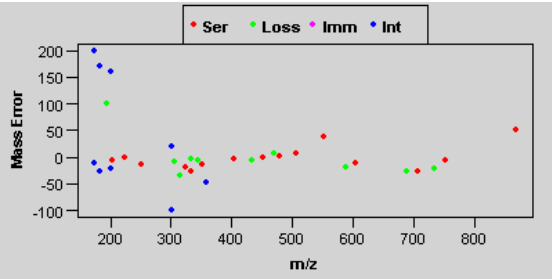
1773.7814	887.3943	16	**A**	4	404.2140	202.6106
1902.8240	951.9156	17	**E**	3	333.1769	167.0921
1959.8454	980.4263	18	**G**	2	204.1343	102.5708
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTVTAEGK^{+2}



Max Intensity: **57.3**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **96.3%** Matched Series Intensity: **95.9%**



Sequence: SYTVTAEGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C41 H67 N10 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
956.0464	955.4731	478.5269	478.2402

[–] **Peak Matches**

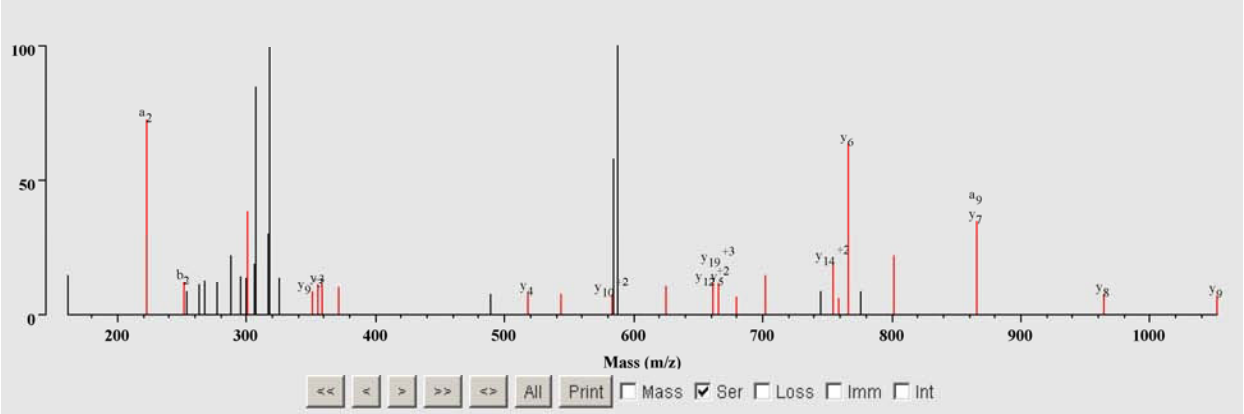
172.1243	173.1266	178.0733	183.1076	194.1166	201.1192	204.1332	223.1074	251.0988	302.1407
	TA(199) AE-28(199) VT-28(-11) TV-28(-11)		AE-H_2O(170) TV-H_2O(-28) VT-H_2O(-28)	y_4-NH_3^{+2}(99)	AE(160) TV(-21) VT(-21)	y_2(-5.2)	a_2(-1.4)	b_2(-15)	TAE(20) TVT(-100)
306.1420	**307.1331**	**309.2351**	**315.1553**	**324.1494**	**333.1681**	**334.1381**	**344.1852**	**352.1450**	**359.1385**
a_3-H_2O(-9.3)			y_3-H_2O(-35)	a_3(-19)	y_3(-26)	b_3-H_2O(-4.9)	y_7-H_2O^{+2}(-5.9)	b_3(-15)	TAEG(-49)
370.1909	**404.2124**	**433.2057**	**451.2180**	**460.2074**	**469.2383**	**476.2601**	**478.2410**	**505.2645**	**516.2487**
	y_4(-3.9)	b_4-H_2O(-5.7)	b_4(-1.6)		MH-H_2O^{+2}(7.2)		MH^{+2}(1.7)	y_5(5.6)	
552.2875	**587.2921**	**604.3237**	**687.3491**	**705.3597**	**715.3495**	**734.3185**	**752.3409**	**784.3769**	**868.4861**
b_5(38)	y_6-NH_3(-19)	y_6(-11)	y_7-H_2O(-26)	y_7(-26)		b_7-H_2O(-23)	b_7(-6.9)		y_8(52)

[–] **Main Sequence Ions**

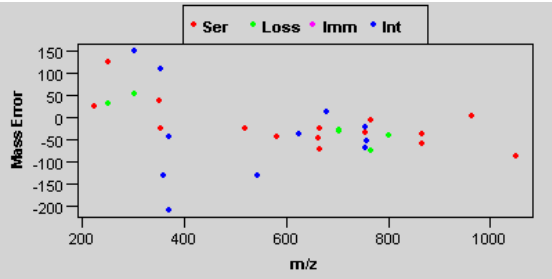
b			y	y^{+2}
---	1	S	9 ---	---
251.1026	2	Y	8 868.4411	434.7242
352.1503	3	T	7 705.3777	353.1925
451.2187	4	V	6 604.3301	302.6687
552.2664	5	T	5 505.2617	253.1345
623.3035	6	A	4 404.2140	202.6106
752.3461	7	E	3 333.1769	167.0921
809.3676	8	G	2 204.1343	102.5708
---	9	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVTAEGKGQGTLSVVTM(Oxidation)YHAK^{+4}



Max Intensity: **3.28**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **42.6%** Matched Series Intensity: **43.3%**



Sequence: SYVTAEGKGQGTLSVVTM(Oxidation)YHAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C102 H164 N27 O34 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2344.5033	2343.1649	1172.7553	1172.0861	782.1727	781.7265	586.8814	586.5467

[–] Peak Matches

161.1132	223.1138	251.1345	253.2117	263.2355	267.1906	277.1996	288.2786	295.2387	299.2494
	a_2(27)	b_2(127) y_4-NH_3^{+2}(32)							
301.1749	**306.2337**	**307.1868**	**316.2891**	**318.2373**	**325.1763**	**351.1925**	**355.2000**	**358.1619**	**371.1876**
YH(151) y_5-$SOCH_4^{+2}$(55)						y_9^{+3}(37)	EGKG-NH_3(109) y_3(-25)	AEGK-28(-130)	KGQG(-43) GKGQ(-43) LSVV-28(-209)
489.3238	**518.2593**	**544.2018**	**582.7834**	**584.3548**	**587.3834**	**625.3072**	**661.8117**	**665.2909**	**679.3208**
	y_4(-25)	GQGTLS(-130) TAEGKG(-130)	y_{10}^{+2}(-42)			GKGQGTL-NH_3(-37) GQGTLSV-H_2O(-37) VTAEGKG-H_2O(-37)	y_{12}^{+2}(-46)	y_5(-25) y_{19}^{+3}(-72)	SVVTM(Oxidation)Y-H_2O(13)
702.3386	**744.3331**	**754.3572**	**758.4023**	**766.3519**	**776.3489**	**801.3924**	**865.3912**	**964.4944**	**1051.4336**
y_6-$SOCH_4$(-26) a_{21}-$SOCH_4^{+3}$(-31)		EGKGQGTL-NH_3(-21) VTAEGKGQ-NH_3(-21) y_{14}^{+2}(-33) KGQGTLSV-NH_3(-69)	QGTLSVVT-28(-51)	y_6(-4.3) a_{16}-H_2O^{+2}(-75)		y_7-$SOCH_4$(-41)	y_7(-37) a_9(-58)	y_8(2.4)	y_9(-86)

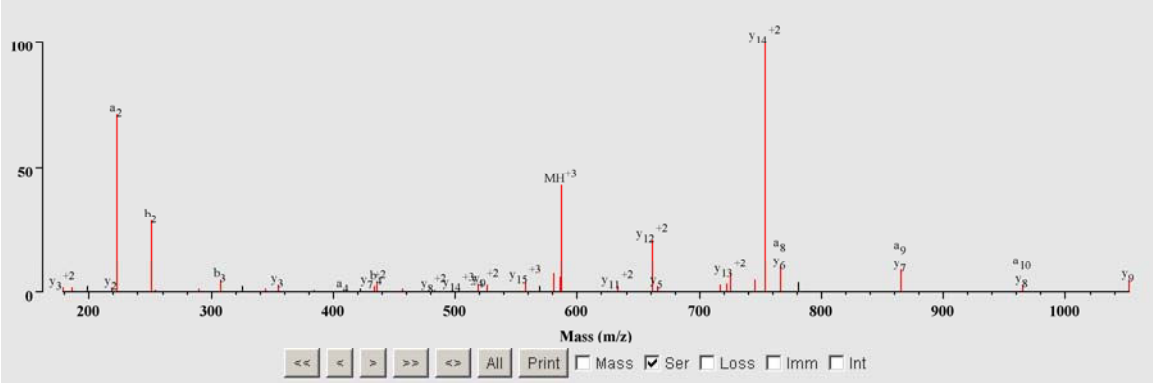
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	22	---	---
251.1026	---	2	**Y**	21	2256.1329	1128.5701
350.1710	---	3	**V**	20	2093.0696	1047.0384
451.2187	---	4	**T**	19	1994.0012	997.5042
522.2558	---	5	**A**	18	1892.9535	946.9804
651.2984	---	6	**E**	17	1821.9164	911.4618
708.3199	---	7	**G**	16	1692.8738	846.9405
836.4149	418.7111	8	**K**	15	1635.8523	818.4298
893.4363	447.2218	9	**G**	14	1507.7573	754.3823
1021.4949	511.2511	10	**Q**	13	1450.7359	725.8716
1078.5164	539.7618	11	**G**	12	1322.6773	661.8423
1179.5640	590.2857	12	**T**	11	1265.6558	633.3316
1292.6481	646.8277	13	**L**	10	1164.6082	582.8077
1379.6801	690.3437	14	**S**	9	1051.5241	526.2657

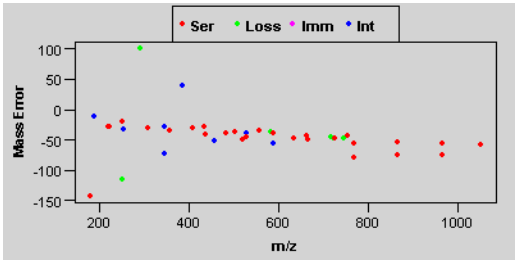
1478.7485	739.8779	15	**V**	8	964.4921	482.7497
1577.8170	789.4121	16	**V**	7	865.4236	433.2155
1678.8646	839.9360	17	**T**	6	766.3552	383.6813
1825.9000	913.4537	18	**M(Oxidation)**	5	665.3076	333.1574
1988.9634	994.9853	19	**Y**	4	518.2722	259.6397
2126.0223	1063.5148	20	**H**	3	355.2088	178.1081
2197.0594	1099.0333	21	**A**	2	218.1499	109.5786
---	---	22	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGQGTLSVVTM(Oxidation)YHAK^{+3}



Max Intensity: **2275**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **96.8%** Matched Series Intensity: **96.3%**



Sequence: SYGQGTLSVVTM(Oxidation)YHAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C77 H121 N20 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1758.8412	1757.8527	879.9243	879.4300	586.9520	586.6224

[–] **Peak Matches**

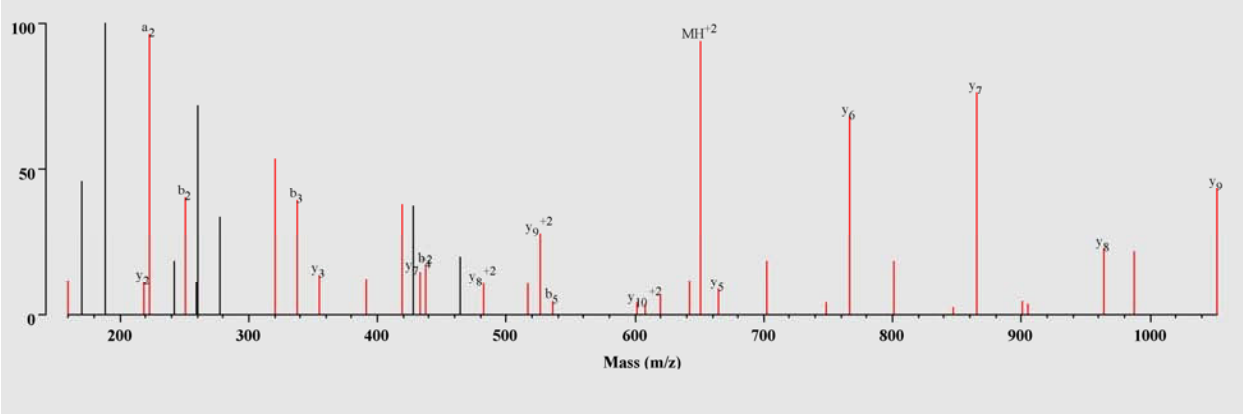
178.0826	186.0853	198.1413	218.1435	223.1014	251.0974	254.1419	290.1427	308.1144	325.1364
y_3^{+2}(-143)	GQ(-11) QG(-11)		y_2(-29)	a_2(-28)	b_2(-21) y_4-NH_3^{+2}(-116)	GTL-H_2O(-32)	b_3-H_2O(101)	b_3(-31)	
344.1469	**355.1965**	**384.1741**	**408.1753**	**422.1920**	**433.2030**	**436.1646**	**457.2172**	**482.7312**	**503.2386**
GQGT(-28) YHA-28(-72)	y_3(-35)	TM(Oxidation)Y-28(40)	a_4(-31)		y_7^{+2}(-29)	b_4(-41)	GQGTL(-51)	y_8^{+2}(-38)	y_{14}^{+3}(-37)
518.2461	**526.2417**	**557.5929**	**568.9174**	**580.5974**	**586.2871**	**586.5988**	**633.3012**	**661.8135**	**665.2752**
y_4(-50)	GQGTLS-H_2O(-39) y_9^{+2}(-46)	y_{15}^{+3}(-34)		MH-H_2O^{+3}(-37)	QGTLSV(-55)	MH^{+3}(-40)	y_{11}^{+2}(-48)	y_{12}^{+2}(-43)	y_5(-49)
717.3259	**722.3483**	**725.8372**	**745.3416**	**754.3496**	**766.3118**	**781.3783**	**865.3773**	**964.4374**	**1051.4634**
y_{13}-NH_3^{+2}(-45)	y_{14}-$SOCH_4^{+2}$(-48)	y_{13}^{+2}(-47)	y_{14}-H_2O^{+2}(-48)	y_{14}^{+2}(-43)	y_6(-57) a_8(-80)		y_7(-54) a_9(-74)	y_8(-57) a_{10}(-75)	y_9(-58)

[–] **Main Sequence Ions**

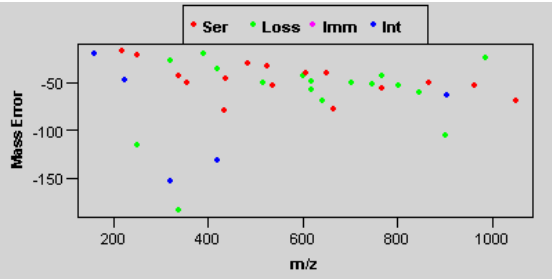
b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1670.8207	835.9140
308.1241	---	3	**G**	14	1507.7573	754.3823
436.1827	---	4	**Q**	13	1450.7359	725.8716
493.2041	---	5	**G**	12	1322.6773	661.8423
594.2518	---	6	**T**	11	1265.6558	633.3316
707.3359	---	7	**L**	10	1164.6082	582.8077
794.3679	---	8	**S**	9	1051.5241	526.2657
893.4363	---	9	**V**	8	964.4921	482.7497
992.5047	---	10	**V**	7	865.4236	433.2155
1093.5524	---	11	**T**	6	766.3552	383.6813
1240.5878	---	12	**M(Oxidation)**	5	665.3076	333.1574
1403.6511	---	13	**Y**	4	518.2722	259.6397
1540.7101	770.8587	14	**H**	3	355.2088	178.1081
1611.7472	806.3772	15	**A**	2	218.1499	109.5786
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVVTM(Oxidation)YHAK^{+2}



Max Intensity: **7.81**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **70.6%** Matched Series Intensity: **67.1%**



Sequence: SYSVVTM(Oxidation)YHAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C58 H89 N14 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1302.3390	1301.6194	651.6732	651.3134

[–] **Peak Matches**

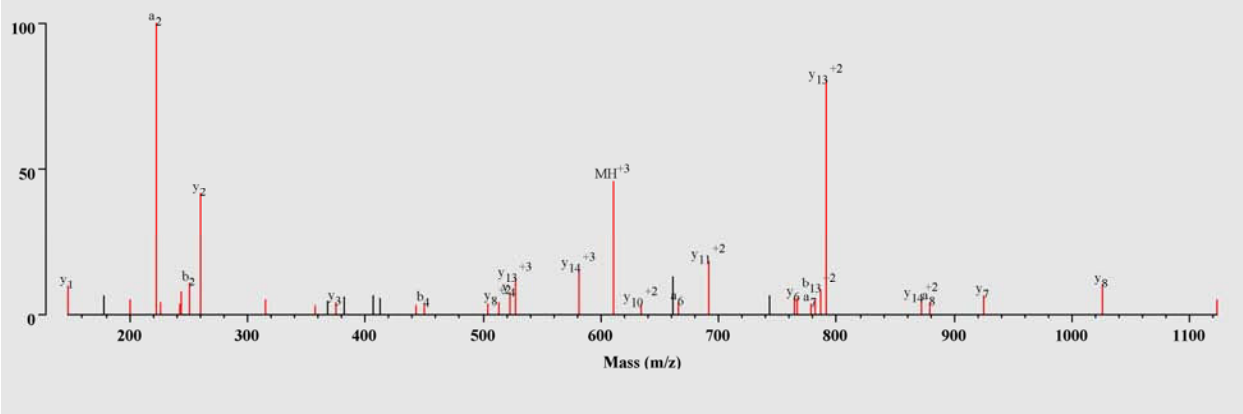
159.1097	170.1126	188.1242	218.1463	223.0971	242.1492	251.0974	259.1282	260.1408	277.1487
SV-28(-20)			y_2(-17)	a_2(-48) YS-28(-48)		YS(-21) b_2(-21) y_4-NH_3^{+2}(-116)			
320.1150	**338.1200**	**355.1912**	**391.1897**	**419.1775**	**428.1477**	**433.1813**	**437.1831**	**464.1743**	**482.7354**
b_3-H_2O(-28) VTM(Oxidation)-28(-153)	b_3(-43) y_3-NH_3(-184)	y_3(-50)	a_4-H_2O(-20)	b_4-H_2O(-36) VVTM(Oxidation)-28(-131)		y_7^{+2}(-79)	b_4(-46)		y_8^{+2}(-30)
517.2340	**526.2482**	**536.2428**	**601.2835**	**607.7732**	**619.2781**	**642.2637**	**651.2869**	**665.2556**	**702.3213**
y_9-H_2O^{+2}(-51)	y_9^{+2}(-33)	b_5(-53)	y_5-$SOCH_4$(-43)	y_{10}^{+2}(-40)	b_6-H_2O(-49) MH-$SOCH_4^{+2}$(-58)	MH-H_2O^{+2}(-69)	MH^{+2}(-41)	y_5(-78)	y_6-$SOCH_4$(-51)
748.3054	**766.3112**	**801.3826**	**847.3621**	**865.3801**	**900.3994**	**905.3617**	**964.4403**	**987.5010**	**1051.4500**
y_6-H_2O(-52)	b_7-H_2O(-43) y_6(-57)	y_7-$SOCH_4$(-53)	y_7-H_2O(-60)	y_7(-50)	y_8-$SOCH_4$(-105)	SVVTM(Oxidation)YHA(-63)	y_8(-54)	y_9-$SOCH_4$(-25)	y_9(-70)

[–] **Main Sequence Ions**

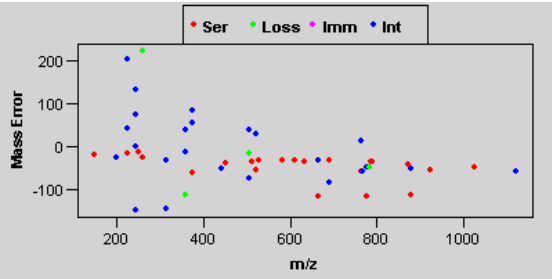
b	b^{+2}				y	y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1214.5874	607.7973
338.1347	---	3	S	9	1051.5241	526.2657
437.2031	---	4	V	8	964.4921	482.7497
536.2715	---	5	V	7	865.4236	433.2155
637.3192	---	6	T	6	766.3552	383.6813
784.3546	---	7	M(Oxidation)	5	665.3076	333.1574
947.4179	---	8	Y	4	518.2722	259.6397
1084.4768	542.7420	9	H	3	355.2088	178.1081
1155.5139	578.2606	10	A	2	218.1499	109.5786
---	---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAKDQLTC(Carbamidomethyl)NKFDLK^{+3}



Max Intensity: **45.8**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **90.4%** Matched Series Intensity: **89.2%**



Sequence: SYAKDQLTC(Carbamidomethyl)NKFDLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H128 N21 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1831.9329	1830.9055	916.4702	915.9564	611.3159	610.9733

[–] Peak Matches

147.1100	178.0839	200.1339	223.1042	226.1281	242.1816	244.0926	251.0989	260.1896	315.1562
y_1(-19)		AK(-27)	a_2(-16)	DQ-H_2O (203) KD-H_2O (42) NK-NH_3 (42)	QL(131)	TC(Carbamidomethyl)-H_2O (72) DQ(-0.81) KD(-150)	b_2(-15)	a_5-H_2O^{+2}(222) y_2(-28)	AKD(-32) QLT-28(-147)
357.1720	**368.1928**	**375.2009**	**382.1955**	**407.1740**	**412.1792**	**443.2014**	**450.2161**	**504.2433**	**513.2384**
LTC(Carbamidomethyl)-H_2O(36) DQL(-14) y_3-H_2O(-115)		LTC(Carbamidomethyl) (83) C(Carbamidomethyl)NK-28(53) y_3(-61)				AKDQ(-53)	YAKD-28(-41) b_4(-41)	TC(Carbamidomethyl) NK(39) y_8-H_2O^{+2}(-18) y_4-H_2O(-76) KFDL(-76)	y_8^{+2}(-38)
522.2633	**527.5908**	**581.9436**	**610.9527**	**633.8062**	**661.2925**	**665.2483**	**691.3193**	**742.8142**	**764.3848**
C(Carbamidomethyl)NKF-28(27) y_4(-55)	y_{13}^{+3}(-33)	y_{14}^{+3}(-33)	MH^{+3}(-34)	y_{10}^{+2}(-36)		C(Carbamidomethyl)NKFD(-34) a_6(-116)	y_{11}^{+2}(-34) YAKDQL-28(-84)		LTC(Carbamidomethyl)NKF (12) y_6(-59)
766.2725	**778.3179**	**781.8651**	**786.3331**	**790.8804**	**872.4016**	**879.3561**	**924.4087**	**1025.4588**	**1122.4210**
TC(Carbamidomethyl) NKFD(-60)	C(Carbamidomethyl) NKFDL(-48) a_7(-118)	y_{13}-H_2O^{+2}(-49)	b_{13}^{+2}(-36)	y_{13}^{+2}(-36)	y_{14}^{+2}(-44)	TC(Carbamidomethyl) NKFDL(-53) LTC(Carbamidomethyl) NKFD(-53) a_8(-115)	y_7(-56)	y_8(-48)	DQLTC(Carbamidomethyl) NKFD(-60)

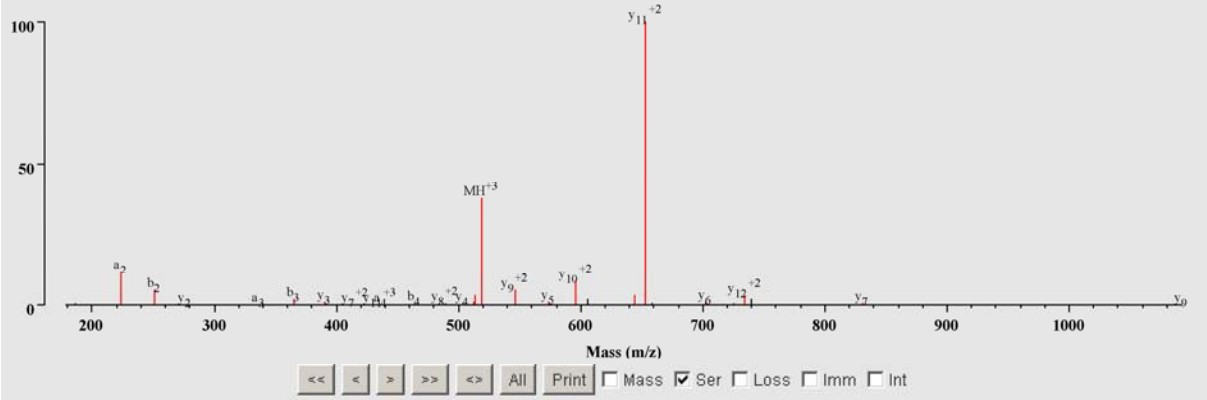
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1743.8734	872.4404
322.1397	---	3	**A**	13	1580.8101	790.9087
450.2347	225.6210	4	**K**	12	1509.7730	755.3901
565.2617	283.1345	5	**D**	11	1381.6780	691.3427
693.3202	347.1638	6	**Q**	10	1266.6511	633.8292
806.4043	403.7058	7	**L**	9	1138.5925	569.7999
907.4520	454.2296	8	**T**	8	1025.5084	513.2579
1067.4826	534.2449	9	**C(Carbamidomethyl)**	7	924.4608	462.7340
1181.5255	591.2664	10	**N**	6	764.4301	382.7187

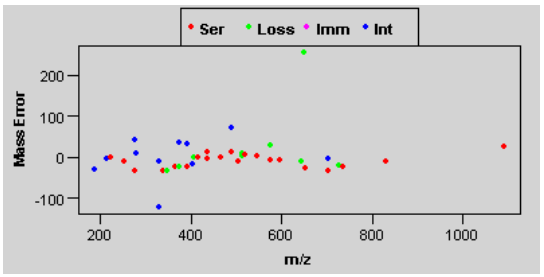
1309.6205	655.3139	11	**K**	5	650.3872	325.6972
1456.6889	728.8481	12	**F**	4	522.2922	261.6498
1571.7159	786.3616	13	**D**	3	375.2238	188.1155
1684.7999	842.9036	14	**L**	2	260.1969	130.6021
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNVNFQKAINEK^{+3}



Max Intensity: **2010**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.8%** Matched Series Intensity: **96.0%**



Sequence SYNVNFQKAINEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H108 N19 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1555.7412	1554.7911	778.3743	777.8992	519.2520	518.9352

[–] **Peak Matches**

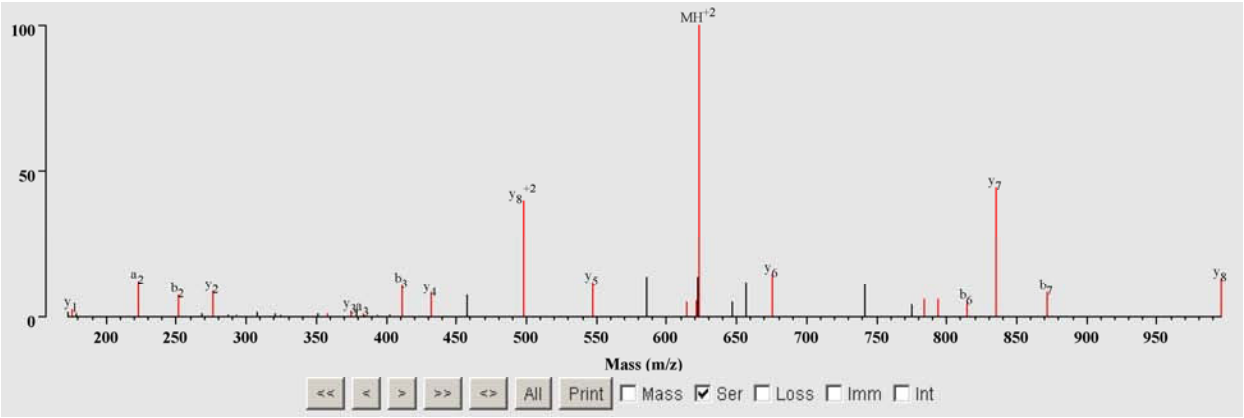
178.0783	186.1182	214.1176	223.1076	251.1002	276.1462	278.1158	328.1579	337.1397	347.1240
	NV-28(-30) VN-28(-30)	NV(-4.8) VN(-4.8)	a_2(-0.51)	b_2(-9.8)	FQ(43) y_2(-33)	YN(8.2)	NVN(-11) QKA(-122)	a_3(-32)	b_3-H_2O(-32)
352.2000	**365.1364**	**373.1635**	**390.1895**	**404.2219**	**407.2266**	**415.7395**	**435.5750**	**436.2172**	**464.2142**
	b_3(-25)	NFQ-NH_3(34) y_3-NH_3(-22)	NFQ(32) y_3(-23)	FQK(-18)	y_7-NH_3^{+2}(-0.70)	y_7^{+2}(-1.7)	y_{11}^{+3}(11)	a_4(-4.3)	b_4(0.49)
489.2807	**503.2770**	**512.9335**	**513.2637**	**518.9382**	**546.2975**	**574.3152**	**595.8260**	**600.8110**	**605.8207**
VNFQ(72) y_8^{+2}(13)	y_4(-11)	MH-H_2O^{+3}(3.5)	MH-NH_3^{+3}(7.8)	MH^{+3}(5.8)	y_9^{+2}(3.0)	b_{10}-H_2O^{+2}(29) y_5(-7.5)	y_{10}^{+2}(-6.8)		
644.3320	**649.4961**	**652.8336**	**658.3209**	**702.3915**	**725.8559**	**734.3672**	**739.8545**	**830.4654**	**1091.6110**
y_{11}-NH_3^{+2}(-9.6)	b_{11}+H_2O^{+2}(255)	y_{11}^{+2}(-27)		NFQKAI(-2.6) FQKAIN(-2.6) y_6(-33)	y_{12}-NH_3^{+2}(-19)	y_{12}^{+2}(-22)		y_7(-9.2)	y_9(24)

[–] **Main Sequence Ions**

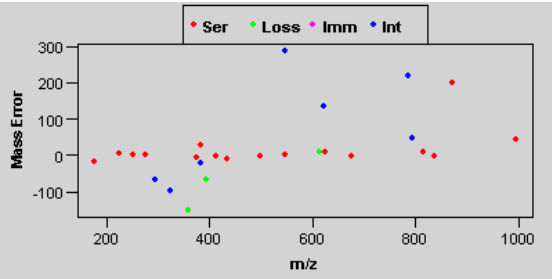
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1467.7591	734.3832
365.1456	---	3	**N**	11	1304.6957	652.8515
464.2140	---	4	**V**	10	1190.6528	595.8300
578.2569	---	5	**N**	9	1091.5844	546.2958
725.3253	---	6	**F**	8	977.5415	489.2744
853.3839	---	7	**Q**	7	830.4730	415.7402
981.4789	491.2431	8	**K**	6	702.4145	351.7109
1052.5160	526.7616	9	**A**	5	574.3195	287.6634
1165.6000	583.3037	10	**I**	4	503.2824	252.1448
1279.6430	640.3251	11	**N**	3	390.1983	195.6028
1408.6856	704.8464	12	**E**	2	276.1554	138.5813
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)C(Carbamidomethyl)QDGVTR^{+2}



Max Intensity: **13.4**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **80.2%** Matched Series Intensity: **73.0%**



Sequence: SYC(Carbamidomethyl)C(Carbamidomethyl)QDGVTR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C48 H77 N16 O19 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1246.0406	1245.4987	623.5240	623.2530

[–] Peak Matches

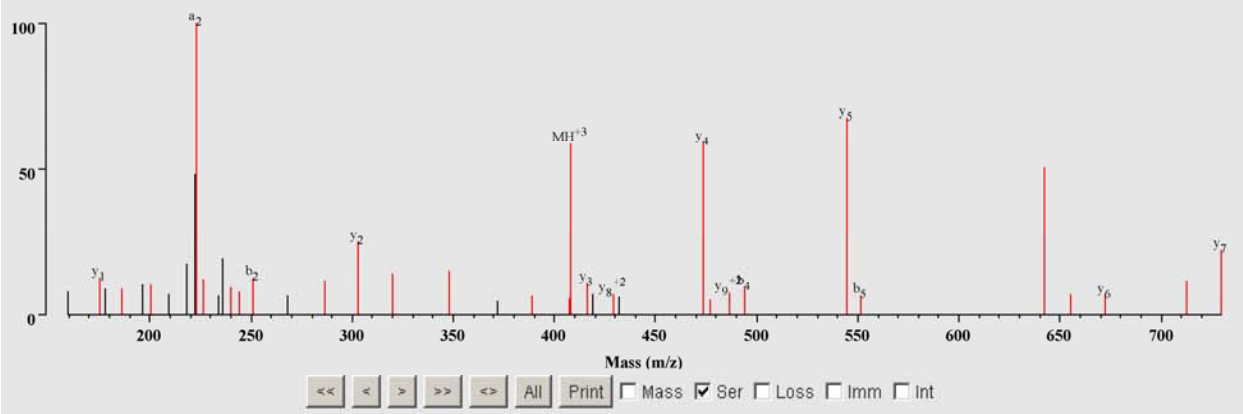
172.1305	175.1162	178.0619	223.1088	251.1033	268.1192	276.1667	287.1266	293.0543	308.1392
	y_1(-16)		a_2(4.8)	b_2(2.7)		y_2(0.25)		C(Carbamidomethyl)C (Carbamidomethyl)-28(-66)	
320.1300	**324.0693**	**351.1528**	**358.1544**	**375.2324**	**379.1608**	**383.1486**	**393.0966**	**402.1123**	**411.1324**
	YC (Carbamidomethyl)(-99)		y_3-NH_3(-151)	y_3(-7.0)		a_3(27) QDGV-NH_3(-20)	b_3-H_2O(-66)		b_3(-2.1)
432.2528	**457.2557**	**498.2044**	**547.2851**	**585.2982**	**614.7458**	**621.2589**	**622.1959**	**623.2588**	**647.2547**
y_4(-8.6)		y_8^{+2}(-1.8)	C(Carbamidomethyl)C (Carbamidomethyl)QD-NH_3 (288) y_5(3.0)		MH-NH_3^{+2}(9.9)	C(Carbamidomethyl)C (Carbamidomethyl)QDG(134)		MH^{+2}(9.3)	
656.3455	**675.3394**	**741.3683**	**775.3318**	**784.4113**	**793.3357**	**814.2558**	**835.3698**	**871.4453**	**995.4463**
	y_6(-3.9)			YC(Carbamidomethyl)C (Carbamidomethyl)QDG(220)	C(Carbamidomethyl)C (Carbamidomethyl)QDGVT-28 (49)	b_6(7.8)	y_7(-3.4)	b_7(200)	y_8(43)

[–] Main Sequence Ions

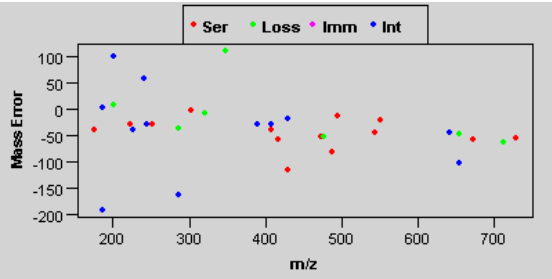
b				y	y^{+2}
---	1	**S**	10	---	---
251.1026	2	**Y**	9	1158.4667	579.7370
411.1333	3	**C(Carbamidomethyl)**	8	995.4033	498.2053
571.1639	4	**C(Carbamidomethyl)**	7	835.3727	418.1900
699.2225	5	**Q**	6	675.3420	338.1747
814.2495	6	**D**	5	547.2835	274.1454
871.2709	7	**G**	4	432.2565	216.6319
970.3393	8	**V**	3	375.2350	188.1212
1071.3870	9	**T**	2	276.1666	138.5870
---	10	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDKGQAGLQR^{+3}



Max Intensity: **7.42**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **79.6%** Matched Series Intensity: **78.7%**



Sequence SYDKGQAGLQR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H84 N17 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1223.3389	1222.6175	612.1732	611.8124	408.4513	408.2107

[–] **Peak Matches**

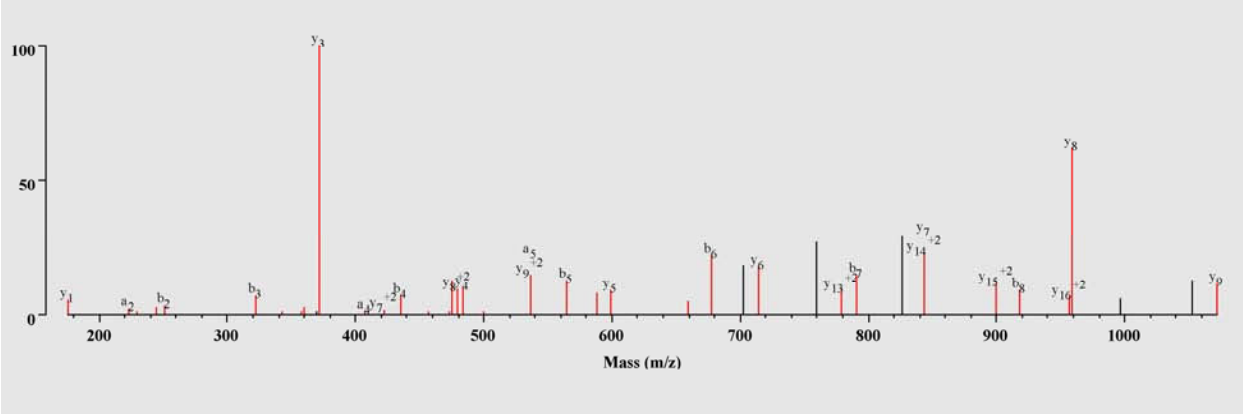
159.1025	175.1121	178.0839	186.0879	196.0898	200.1232	209.0910	218.1338	222.1017	223.1014
	y_1(-39)		GQ(3.1) KG(-192)		QA(101) y_3-NH_3^{+2}(10)				a_2(-28)
226.1096	**234.1056**	**236.0849**	**240.1124**	**244.1222**	**251.0959**	**268.1294**	**286.1410**	**303.1773**	**320.1217**
DK-H_2O(-40)			GQA-NH_3(60) QAG-NH_3(60)	DK(-29)	YD-28(-27) b_2(-27)		GQAG-28(-35) y_2-NH_3(-35) KGQ-28(-162)	y_2(-0.76)	a_3-H_2O(-7.5)
348.1579	**372.1677**	**389.1707**	**407.1816**	**408.1944**	**416.2375**	**419.1523**	**429.2018**	**432.2344**	**473.2591**
b_3-H_2O(112)		YDK-H_2O(-29)	YDK(-27)	MH^{+3}(-40)	y_3(-58)		DKGQ(-17) y_8^{+2}(-115)		y_4(-51)
477.1727	**486.7255**	**494.2184**	**544.2961**	**551.2355**	**642.3285**	**655.3217**	**672.3410**	**712.3286**	**729.3600**
b_4-NH_3(-53)	y_9^{+2}(-81)	b_4(-12)	y_5(-44)	b_5(-19)	DKGQAGL-28(-44)	y_6-NH_3(-47) KGQAGLQ-28(-102)	y_6(-56)	y_7-NH_3(-63)	y_7(-55)

[–] **Main Sequence Ions**

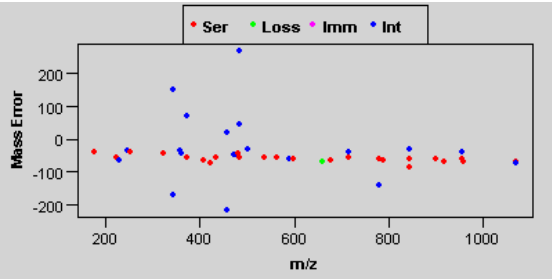
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1135.5854	568.2964
366.1296	---	3	**D**	9	972.5221	486.7647
494.2245	247.6159	4	**K**	8	857.4952	429.2512
551.2460	276.1266	5	**G**	7	729.4002	365.2037
679.3046	340.1559	6	**Q**	6	672.3787	336.6930
750.3417	375.6745	7	**A**	5	544.3202	272.6637
807.3632	404.1852	8	**G**	4	473.2831	237.1452
920.4472	460.7272	9	**L**	3	416.2616	208.6344
1048.5058	524.7565	10	**Q**	2	303.1775	152.0924
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALEILQEEDLIDEDDIPVR^{+3}



Max Intensity: **126**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **81.3%** Matched Series Intensity: **81.3%**



Sequence: SYALEILQEEDLIDEDDIPVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C108 H172 N25 O41

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2476.7132	2475.2137	1238.8603	1238.1105	826.2427	825.7428

[–] Peak Matches

175.1121	223.0957	229.1037	245.0680	251.0929	322.1263	342.1449	358.1492	360.0879	369.3614
y_1(-39)	a_2(-54)	DI(-64) ID(-64) DL(-64)	ED(-36) DE(-36)	b_2(-39)	b_3(-42)	EDD-H_2O(151) DED-H_2O(151) LID(-168) DLI(-168)	IDE(-33) EDL(-33)	DED(-44) EDD(-44)	
371.2189	**407.2026**	**422.1842**	**435.1987**	**457.1301**	**473.1644**	**475.1076**	**479.7064**	**484.2982**	**500.2200**
LQE(71) y_3(-57)	DIPV-H_2O(-65) a_4(-65)	y_7^{+2}(-71)	b_4(-58)	DEDD-H_2O(22) DLID(-217)	EDDI(-49) IDED(-49)	DEDD(-49)	y_8^{+2}(-44)	QEED-H_2O(270) ILQE(45) EILQ(45) y_4(-54)	LQEE(-30)
536.2406	**564.2341**	**588.1791**	**599.3149**	**659.2960**	**677.3071**	**702.8104**	**714.3381**	**759.3485**	**779.3215**
y_9^{+2}(-54) a_5(-58)	b_5(-57)	IDEDD(-61) DEDDI(-61)	y_5(-60)	b_6-H_2O(-67)	b_6(-64)		EILQEE-28(-40) y_6(-56)		y_{13}^{+2}(-59) ALEILQE-H_2O(-139)
790.3827	**825.8453**	**843.3475**	**899.8855**	**918.4306**	**956.4217**	**958.3837**	**996.3923**	**1052.9308**	**1071.4586**
b_7(-66)		QEEDLID(-30) y_{14}^{+2}(-59) y_7(-87)	y_{15}^{+2}(-59)	b_8(-68)	LQEEDLID(-37) y_{16}^{+2}(-62)	y_8(-67)			y_9(-68) YALEILQEE-H_2O(-72)

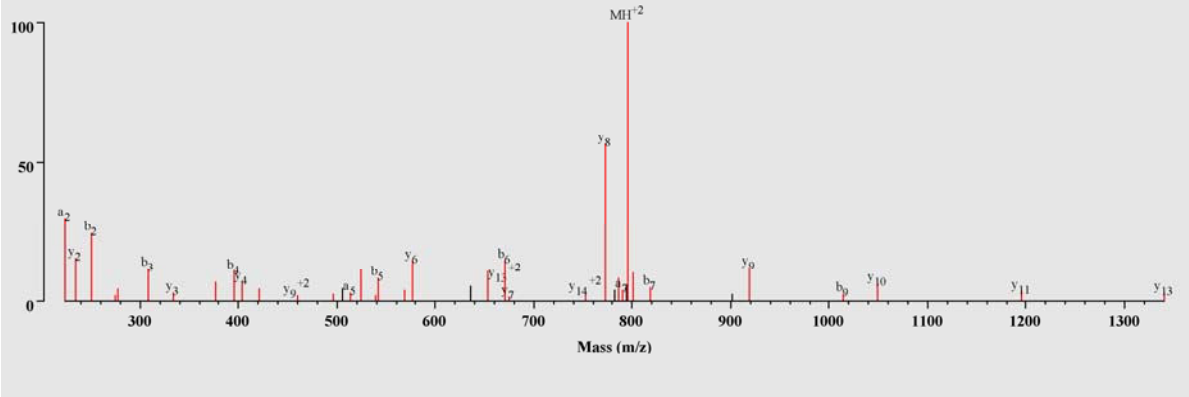
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	21	---	---
251.1026	2	Y	20	2388.1817	1194.5945
322.1397	3	A	19	2225.1183	1113.0628
435.2238	4	L	18	2154.0812	1077.5443
564.2664	5	E	17	2040.9972	1021.0022
677.3505	6	I	16	1911.9546	956.4809
790.4345	7	L	15	1798.8705	899.9389
918.4931	8	Q	14	1685.7865	843.3969
1047.5357	9	E	13	1557.7279	779.3676
1176.5783	10	E	12	1428.6853	714.8463
1291.6052	11	D	11	1299.6427	650.3250
1404.6893	12	L	10	1184.6157	592.8115
1517.7734	13	I	9	1071.5317	536.2695

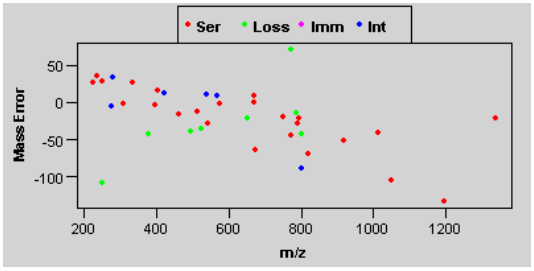
1632.8003	14	**D**	8	958.4476	479.7274
1761.8429	15	**E**	7	843.4207	422.2140
1876.8698	16	**D**	6	714.3781	357.6927
1991.8968	17	**D**	5	599.3511	300.1792
2104.9809	18	**I**	4	484.3242	242.6657
2202.0336	19	**P**	3	371.2401	186.1237
2301.1020	20	**V**	2	274.1874	137.5973
---	21	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSFEFPVGDAVSK^{+2}



Max Intensity: **6.44**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **94.9%** Matched Series Intensity: **93.3%**



Sequence SYGSFEFPVGDAVSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C73 H105 N16 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1590.7403	1589.7482	795.8738	795.3777

[–] **Peak Matches**

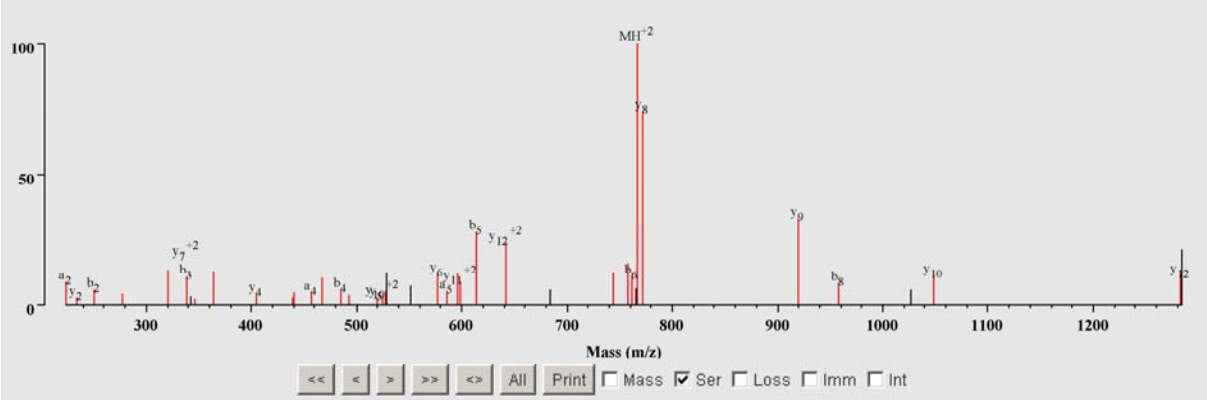
223.1138	234.1532	251.1100	274.1170	277.1277	308.1233	333.2224	377.1294	395.1548	404.2568
a_2(27)	y_2(36)	b_2(29) y_5-H_2O^{+2}(-108)	GSF-H_2O(-5.9)	FE(34) EF(34)	YGS(-2.6) b_3(-2.6)	y_3(27)	b_3-H_2O(-43)	b_4(-3.4)	y_4(16)
421.1772	**460.2404**	**496.1999**	**506.1738**	**514.2231**	**524.1957**	**539.2881**	**542.2088**	**568.2457**	**576.2974**
GSFE(13)	y_9^{+2}(-16)	a_5-H_2O(-39)		a_5(-13)	b_5-H_2O(-35)	PVGDAV(11)	b_5(-29)	GSFEF(9.7)	y_6(-2.4)
635.1942	**653.2429**	**670.3358**	**671.2673**	**675.3247**	**751.8476**	**772.3852**	**782.2971**	**786.3608**	**790.3179**
	b_6-H_2O(-21)	y_{13}^{+2}(8.6)	b_6(0.25)	y_7(-63)	y_{14}^{+2}(-19)	a_7-H_2O(71) y_8(-45)		MH-H_2O^{+2}(-15)	a_7(-29)
794.2609	**795.3601**	**800.2902**	**818.2794**	**901.0757**	**919.4403**	**1014.4160**	**1048.4210**	**1195.4406**	**1339.6237**
	MH^{+2}(-22)	b_7-H_2O(-43) YGSFEFP-28(-89)	b_7(-69)		y_9(-52)	b_9(-40)	y_{10}(-105)	y_{11}(-133)	y_{13}(-22)

[–] **Main Sequence Ions**

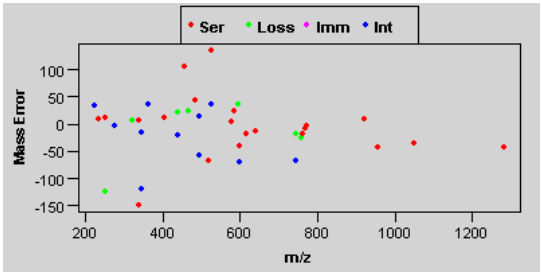
b				y	y^{+2}
---	1	**S**	15	---	---
251.1026	2	**Y**	14	1502.7162	751.8617
308.1241	3	**G**	13	1339.6529	670.3301
395.1561	4	**S**	12	1282.6314	641.8193
542.2245	5	**F**	11	1195.5994	598.3033
671.2671	6	**E**	10	1048.5310	524.7691
818.3355	7	**F**	9	919.4884	460.2478
915.3883	8	**P**	8	772.4199	386.7136
1014.4567	9	**V**	7	675.3672	338.1872
1071.4782	10	**G**	6	576.2988	288.6530
1186.5051	11	**D**	5	519.2773	260.1423
1257.5422	12	**A**	4	404.2504	202.6288
1356.6107	13	**V**	3	333.2132	167.1103
1443.6427	14	**S**	2	234.1448	117.5761
---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFEFPVGDAVSK^{+2}



Max Intensity: **3.35**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **88.5%** Matched Series Intensity: **85.4%**



Sequence: SYSFEFPVGDAVSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C71 H102 N15 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1533.6880	1532.7268	767.3477	766.8670

[–] **Peak Matches**

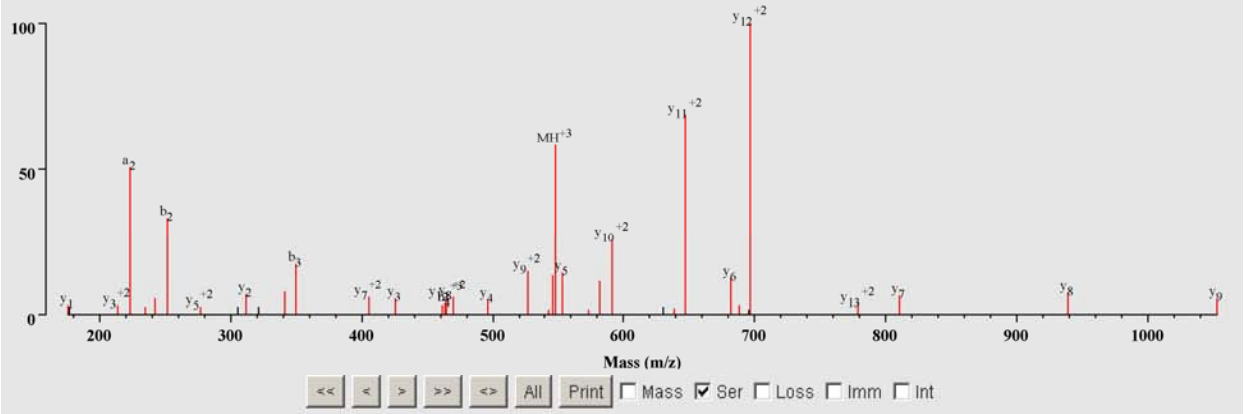
223.1151	234.1470	251.1055	277.1174	320.1263	338.1367	342.1650	346.1345	364.1639	404.2554
a_2(33) YS-28(33)	y_2(9.3)	YS(11) b_2(11) y_5-H_2O^{+2}(-125)	FE(-3.2) EF(-3.2)	b_3-H_2O(6.9)	b_3(6.0) y_7^{+2}(-149)		SFE-H_2O(-15) EFP-28(-120)	SFE(37)	y_4(12)
439.2071	**440.2053**	**457.2567**	**467.2039**	**485.2240**	**493.2158**	**519.2420**	**524.8402**	**527.2321**	**527.7690**
a_4-H_2O(22)	PVGDA(-20)	a_4(106)	b_4-H_2O(24)	b_4(43)	SFEF-H_2O(15) FEFP-28(-58)	y_5(-68)	y_{10}^{+2}(135)	YSFE(35)	
551.2617	**576.3014**	**586.2654**	**596.2571**	**598.2785**	**614.2352**	**641.8109**	**683.3100**	**743.2902**	**757.8430**
	y_6(4.6)	a_5(25)	b_5-H_2O(37)	y_{11}^{+2}(-41) PVGDAVS-28(-69)	b_5(-17)	y_{12}^{+2}(-13)		b_6-H_2O(-18) YSFEFP-28(-67)	MH-H_2O^{+2}(-25)
761.3015	**765.4484**	**766.8604**	**772.4175**	**919.4962**	**957.3944**	**1026.4315**	**1048.4942**	**1282.5768**	**1283.6107**
b_6(-17)		MH^{+2}(-8.6)	y_8(-3.1)	y_9(8.5)	b_8(-43)		y_{10}(-35)	y_{12}(-43)	

[–] **Main Sequence Ions**

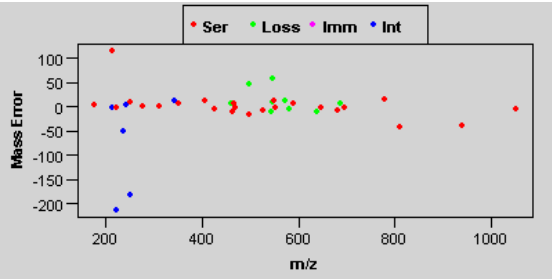
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1445.6947	723.3510
338.1347	3	S	1282.6314	641.8193
485.2031	4	F	1195.5994	598.3033
614.2457	5	E	1048.5310	524.7691
761.3141	6	F	919.4884	460.2478
858.3668	7	P	772.4199	386.7136
957.4353	8	V	675.3672	338.1872
1014.4567	9	G	576.2988	288.6530
1129.4837	10	D	519.2773	260.1423
1200.5208	11	A	404.2504	202.6288
1299.5892	12	V	333.2132	167.1103
1386.6212	13	S	234.1448	117.5761
---	14	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVLQIEKEGAIHR^{+3}



Max Intensity: **34.2**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.8%** Matched Series Intensity: **97.5%**



Sequence SYVLQIEKEGAIHR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C73 H120 N21 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1643.8948	1642.8911	822.4511	821.9492	548.6366	548.3019

[–] Peak Matches

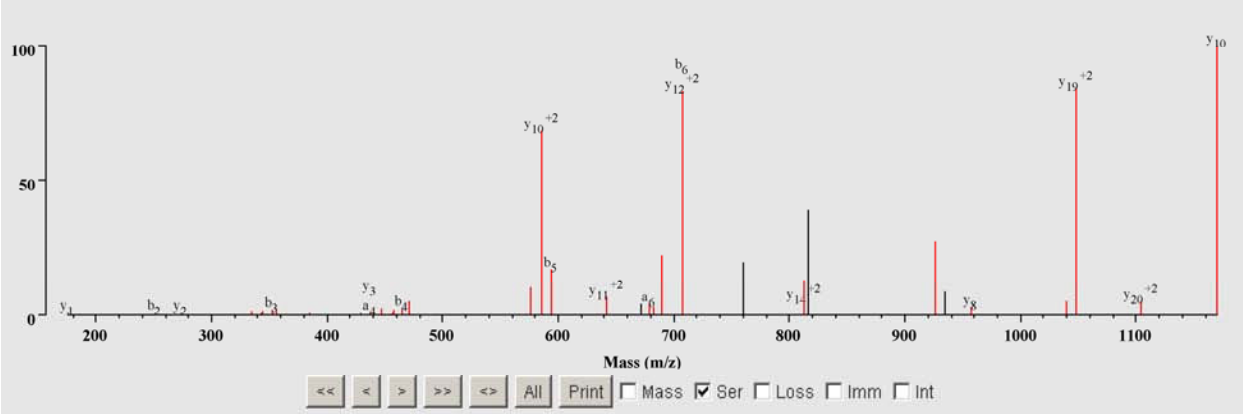
175.1196	177.1115	213.1591	223.1075	235.1321	242.1508	251.1048	277.1638	305.1468	312.1780
y_1(3.7)		y_3^{+2}(115) VL(-3.1)	a_2(-0.98) IH-28(-214)	YV-28(-51)	GAI(3.6) QI(3.6) LQ(3.6)	b_2(8.6) IH(-181)	y_5^{+2}(-0.33)		y_2(0.44)
321.1369	**341.2227**	**350.1734**	**405.7375**	**425.2601**	**461.2522**	**463.2502**	**464.9403**	**470.2528**	**496.2913**
	VLQ(13)	b_3(6.7)	y_7^{+2}(12)	y_3(-4.3)	y_8-H_2O^{+2}(7.6)	b_4(-11)	y_{12}^{+3}(7.6)	y_8^{+2}(-2.5)	b_{13}+H_2O^{+3}(47) y_4(-16)
526.7910	**542.2927**	**545.3139**	**546.3243**	**548.3081**	**553.3188**	**573.3108**	**581.8168**	**590.8294**	**629.8479**
y_9^{+2}(-9.5)	MH-H_2O^{+3}(-10)	a_5-H_2O(10)	a_5-NH_3(59)	MH^{+3}(11)	y_5(-3.1)	b_5-H_2O(13)	y_{10}-H_2O^{+2}(-5.5)	y_{10}^{+2}(7.0)	
638.3555	**647.3655**	**682.3573**	**687.9010**	**695.3600**	**696.9006**	**778.4444**	**810.4248**	**939.4629**	**1052.5807**
y_{11}-H_2O^{+2}(-10)	y_{11}^{+2}(-2.8)	y_6(-8.5)	y_{12}-H_2O^{+2}(6.9)		y_{12}^{+2}(-1.3)	y_{13}^{+2}(14)	y_7(-41)	y_8(-40)	y_9(-3.8)

[–] Main Sequence Ions

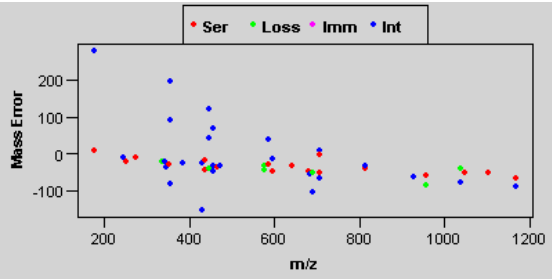
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1555.8591	778.4332
350.1710	---	3	V 12	1392.7958	696.9015
463.2551	---	4	L 11	1293.7274	647.3673
591.3137	---	5	Q 10	1180.6433	590.8253
704.3978	---	6	I 9	1052.5847	526.7960
833.4403	---	7	E 8	939.5007	470.2540
961.5353	481.2713	8	K 7	810.4581	405.7327
1090.5779	545.7926	9	E 6	682.3631	341.6852
1147.5994	574.3033	10	G 5	553.3205	277.1639
1218.6365	609.8219	11	A 4	496.2990	248.6532
1331.7205	666.3639	12	I 3	425.2619	213.1346
1468.7795	734.8934	13	H 2	312.1779	156.5926
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTLEIPGNSDPNMIPDGDFNSYVR^{+3}



Max Intensity: **1824**
Num Matched: **33/37 (10.8% unmatched)** Matched Intensity: **87.2%** Matched Series Intensity: **87.2%**



Sequence SYTLEIPGNSDPNMIPDGDFNSYVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C122 H182 N31 O43 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2803.0520	2801.2723	1402.0297	1401.1398	935.0223	934.4290

[–] Peak Matches

175.1202	243.1315	251.0976	274.1844	334.1327	343.1359	344.1692	352.1398	356.1896	385.1257
SD-28(279) y_1(7.1)	EI(-10) LE(-10)	SY(-20) b_2(-20)	y_2(-11)	b_3-H_2O(-21)	PNM(-22)	TLE(-36)	b_3(-30)	GNSD-H_2O(195) PGNS(93) LEI(-80)	PDGD(-25)
429.2052	**437.2317**	**447.2058**	**456.2123**	**457.2437**	**465.2168**	**471.1673**	**576.2405**	**585.2486**	**594.2482**
MIPD-28(-27) TLEI-28(-153)	a_4(-18) y_3(-43)	DFNS-NH_3(122) NSYV-NH_3(41) b_4-H_2O(-40)	PNMI(-33) NMIP(-33)	MIPD(70) TLEI(-48)	b_4(-38)	GNSDP(-34) PGNSD(-34)	y_{10}-H_2O^{+2}(-33) b_5-H_2O(-45)	GNSDPN(38) y_{10}^{+2}(-28)	FNSYV-NH_3(-13) b_5(-48)
641.7856	**671.3060**	**679.3330**	**682.2417**	**689.3145**	**707.3248**	**760.3100**	**812.8435**	**813.2941**	**816.8497**
y_{11}^{+2}(-33)		a_6(-49)	PGNSDPN(-55)	b_6-H_2O(-52) YTLEIP-28(-105)	PNMIPDG-H_2O(9.4) y_{12}^{+2}(-3.1) b_6(-51) TLEIPGN-H_2O(-67)		y_{14}^{+2}(-39)	PGNSDPNM(-31)	
926.3462	**934.3677**	**957.3865**	**1039.4084**	**1047.9105**	**1104.4478**	**1169.4439**			
GNSDPNMIP(-62) PGNSDPNMI(-62) IPGNSDPNM(-62)		y_8(-58) YTLEIPGNS-H_2O(-85) b_9-H_2O(-85)	y_{19}-NH_3^{+2}(-40) IPGNSDPNMI(-76)	y_{19}^{+2}(-50)	y_{20}^{+2}(-52)	y_{10}(-67) YTLEIPGNSDP-H_2O(-88)			

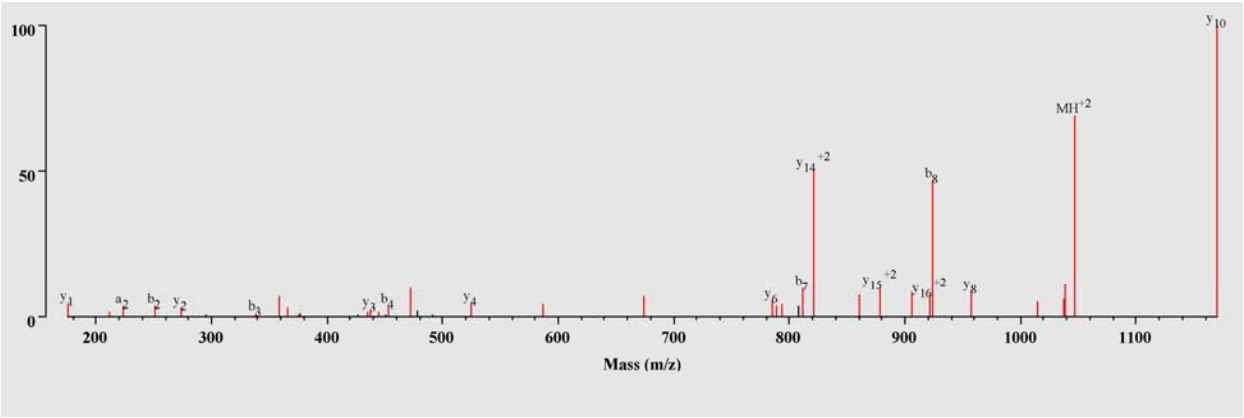
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	25	---	---
251.1026	2	Y	24	2714.2403	1357.6238
352.1503	3	T	23	2551.1769	1276.0921
465.2344	4	L	22	2450.1293	1225.5683
594.2770	5	E	21	2337.0452	1169.0262
707.3610	6	I	20	2208.0026	1104.5049
804.4138	7	P	19	2094.9185	1047.9629
861.4353	8	G	18	1997.8658	999.4365
975.4782	9	N	17	1940.8443	970.9258
1062.5102	10	S	16	1826.8014	913.9043
1177.5372	11	D	15	1739.7694	870.3883
1274.5899	12	P	14	1624.7424	812.8748
1388.6329	13	N	13	1527.6897	764.3485

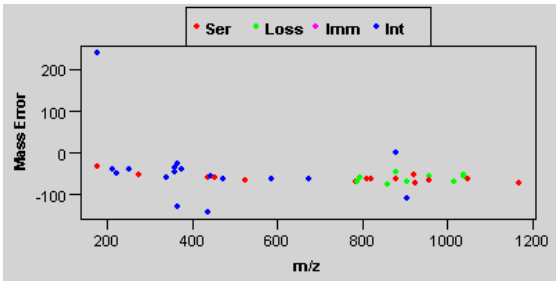
1519.6733	14	**M**	12	1413.6467	707.3270
1632.7574	15	**I**	11	1282.6062	641.8068
1729.8102	16	**P**	10	1169.5222	585.2647
1844.8371	17	**D**	9	1072.4694	536.7383
1901.8586	18	**G**	8	957.4425	479.2249
2016.8855	19	**D**	7	900.4210	450.7141
2163.9539	20	**F**	6	785.3941	393.2007
2277.9969	21	**N**	5	638.3257	319.6665
2365.0289	22	**S**	4	524.2827	262.6450
2528.0922	23	**Y**	3	437.2507	219.1290
2627.1606	24	**V**	2	274.1874	137.5973
---	25	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSDPNM(Oxidation)IPDGDFNSYVR^{+2}



Max Intensity: **197**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **97.7%** Matched Series Intensity: **97.0%**



Sequence: SYSDPNM(Oxidation)IPDGDFNSYVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C90 H130 N23 O33 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2094.0725	2092.8917	1047.5400	1046.9495

[–] Peak Matches

175.1133	212.0945	223.0971	251.0929	274.1727	295.1274	338.1148	359.1224	365.1357	375.1551
SD-28(240) y_1(-32)	PN(-40)	a_2(-48) YS-28(-48) SY-28(-48)	b_2(-39) YS(-39) SY(-39)	y_2(-53)		b_3(-59) YSD-28(-59)	DFN-H_2O(-35) PNM(Oxidation)(-44)	NSY(-27) IPDG-H_2O(-127)	NM(Oxidation)I(-39)
376.1474	**427.1750**	**435.1256**	**437.2247**	**444.2021**	**450.2041**	**453.1346**	**472.1932**	**478.2007**	**491.1493**
		DGDF(-58) b_4-H_2O(-58) YSDP-28(-142)	y_3(-59)	NM(Oxidation)IP-28(-57) PNM(Oxidation)I-28(-57)		b_4(-60)	NM(Oxidation)IP(-62) PNM(Oxidation)I(-62)		
524.2485	**587.2132**	**674.2392**	**785.3409**	**788.8191**	**793.2348**	**808.2503**	**811.2423**	**820.8206**	**860.3150**
y_4(-65)	NM(Oxidation)IPD(-62) DPNM(Oxidation)I(-62)	SDPNM(Oxidation)I(-63)	y_6(-68)	y_{14}-$SOCH_4^{+2}$(-69)	b_7-H_2O(-60)		b_7(-62)	y_{14}^{+2}(-63)	b_8-$SOCH_4$(-74)
878.3321	**906.3045**	**921.8525**	**924.3109**	**957.3790**	**1014.8792**	**1037.8853**	**1038.3823**	**1046.8837**	**1169.4386**
PDGDFNSY-H_2O(0.66) M(Oxidation)IPDGDFN-28(-45) NM(Oxidation)IPDGDF-28(-45) a_8-H_2O(-45) y_{15}^{+2}(-61)	M(Oxidation)IPDGDFN(-68) NM(Oxidation)IPDGDF(-68) b_8-H_2O(-68) YSDPNM(Oxidation)IP-28(-108)	y_{16}^{+2}(-53)	b_9(-71)	b_9-$SOCH_4$(-55) y_8(-66)	MH-$SOCH_4^{+2}$(-70)	MH-H_2O^{+2}(-57)	MH-NH_3^{+2}(-52)	MH^{+2}(-63)	y_{10}(-71)

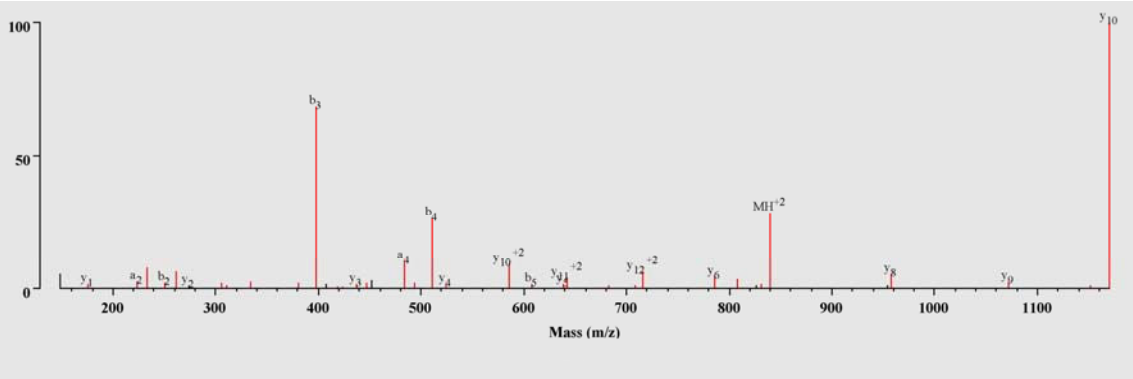
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	2005.8596	1003.4335
338.1347	3	S	16	1842.7963	921.9018
453.1616	4	D	15	1755.7643	878.3858
550.2144	5	P	14	1640.7373	820.8723
664.2573	6	N	13	1543.6846	772.3459
811.2927	7	M(Oxidation)	12	1429.6416	715.3245
924.3768	8	I	11	1282.6062	641.8068
1021.4295	9	P	10	1169.5222	585.2647
1136.4565	10	D	9	1072.4694	536.7383
1193.4779	11	G	8	957.4425	479.2249
1308.5049	12	D	7	900.4210	450.7141

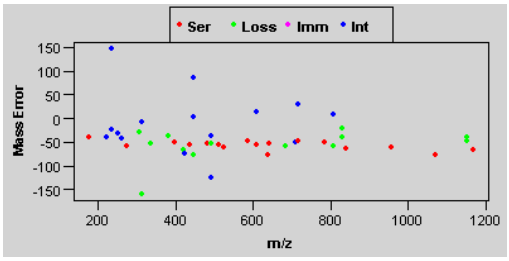
1455.5733	13	**F**	6	785.3941	393.2007
1569.6162	14	**N**	5	638.3257	319.6665
1656.6482	15	**S**	4	524.2827	262.6450
1819.7116	16	**Y**	3	437.2507	219.1290
1918.7800	17	**V**	2	274.1874	137.5973
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)IPDGDFNSYVR^{+2}



Max Intensity: **86.9**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **95.5%** Matched Series Intensity: **96.9%**



Sequence: SYM(Oxidation)IPDGDFNSYVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C74 H107 N18 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1680.6828	1679.7370	840.8451	840.3721

[–] **Peak Matches**

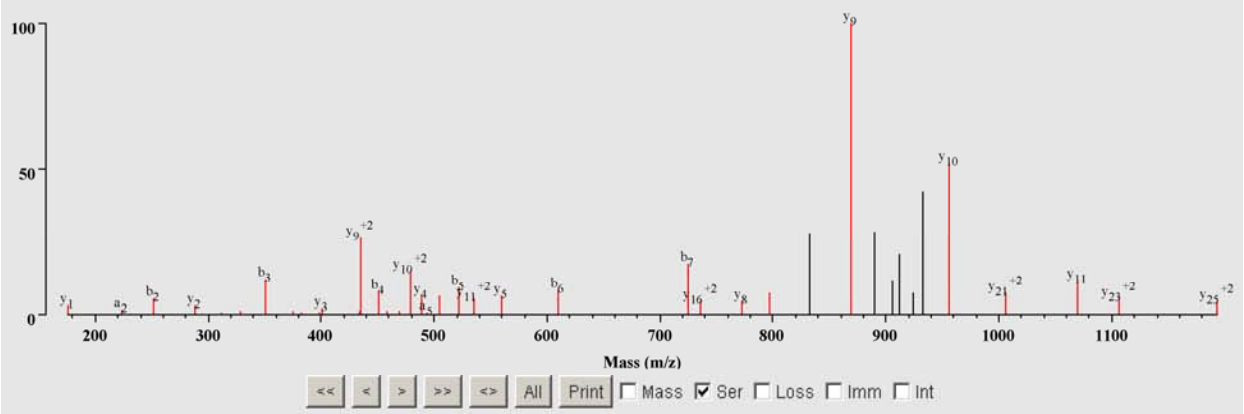
148.0367	175.1121	223.0985	233.1263	251.0944	261.1155	274.1711	306.1358	311.1035	334.1225
	y_1(-39)	a_2(-41) SY-28(-41)	b_2-H_2O(147) SY-H_2O(147) M(Oxidation)I-28(-24)	b_2(-33) SY(-33)	M(Oxidation)I(-43)	y_2(-59)	a_5-$SOCH_4$(-30)	YM(Oxidation)(-8.0) y_5-NH_3^{+2}(-160)	b_3-$SOCH_4$(-52)
380.1133	**398.1177**	**408.0969**	**419.2007**	**424.1583**	**437.2266**	**447.1891**	**452.1641**	**483.2013**	**493.1859**
b_3-H_2O(-37)	b_3(-51)		a_4-$SOCH_4$(-67)	YM(Oxidation)I(-75)	y_3(-55)	DFNS-NH_3(85) NSYV-NH_3(3.7) b_4-$SOCH_4$(-78)		a_4(-54)	GDFNS-28(-37) b_4-H_2O(-52) YM(Oxidation)IP-28(-126)
511.1929	**524.2506**	**585.2358**	**608.2399**	**638.2766**	**641.7722**	**683.2855**	**708.2628**	**715.2895**	**785.3542**
b_4(-57)	y_4(-61)	y_{10}^{+2}(-49)	DGDFNS-28(14) YM(Oxidation)IPD-28(-57) b_5(-57)	y_5(-77)	y_{11}^{+2}(-54)	y_{12}-$SOCH_4^{+2}$(-58)	DFNSYV-H_2O(-51)	PDGDFNS-H_2O(30) y_{12}^{+2}(-49)	y_6(-51)
808.3257	**825.8036**	**831.3336**	**839.8360**	**840.3188**	**954.4150**	**957.3849**	**1072.3881**	**1151.4559**	**1169.4451**
YM(Oxidation)IPDGD(9.3) MH-$SOCH_4^{+2}$(-59)		b_8-$SOCH_4$(-22) MH-H_2O^{+2}(-40)		MH^{+2}(-63)		y_8(-60)	y_9(-76)	a_{11}-$SOCH_4$(-39) y_{10}-H_2O(-48)	y_{10}(-66)

[–] **Main Sequence Ions**

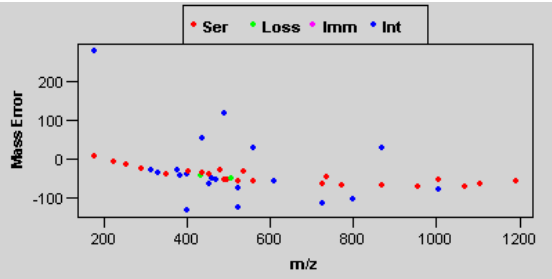
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1592.7050	796.8561
398.1380	3	M(Oxidation)	12	1429.6416	715.3245
511.2221	4	I	11	1282.6062	641.8068
608.2749	5	P	10	1169.5222	585.2647
723.3018	6	D	9	1072.4694	536.7383
780.3233	7	G	8	957.4425	479.2249
895.3502	8	D	7	900.4210	450.7141
1042.4186	9	F	6	785.3941	393.2007
1156.4616	10	N	5	638.3257	319.6665
1243.4936	11	S	4	524.2827	262.6450
1406.5569	12	Y	3	437.2507	219.1290
1505.6253	13	V	2	274.1874	137.5973
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVTASDPLDTLGSEGALSPGGVASLLR^{+3}



Max Intensity: **641**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **71.5%** Matched Series Intensity: **71.5%**



Sequence SYVTASDPLDTLGSEGALSPGGVASLLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C118 H194 N31 O43

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2735.0389	2733.3941	1368.0232	1367.2007	912.3512	911.8029

[–] Peak Matches

175.1202	223.1055	251.0991	288.1956	311.1628	329.1693	350.1572	375.1403	382.1915	398.1865
SD-28(279) y_1(7.1)	a_2(-9.9)	b_2(-14)	y_2(-26)	PGGV(-28) GALS-H_2O(-28)	GALS(-38)	b_3(-40)	TASD(-29)	PGGVA(-44)	SPGGV(-42) ALSPG-28(-134) GALSP-28(-134)
401.2743	**433.1885**	**435.2473**	**451.2012**	**458.2014**	**469.2158**	**478.7652**	**488.2917**	**494.2339**	**504.2203**
y_3(-32)	b_4-H_2O(-45)	YVTA(54) y_9^{+2}(-38)	b_4(-39) PGGVAS-H_2O(-64) SPGGVA-H_2O(-64)	SEGAL(-50) EGALS(-50)	PGGVAS(-53) SPGGVA(-53)	y_{10}^{+2}(-31)	TLGSE(116) y_4(-56)	YVTAS-28(-55) a_5(-55)	YVTAS-H_2O(-50) b_5-H_2O(-50)
522.2262	**535.3043**	**559.3242**	**609.2514**	**724.2679**	**735.8637**	**772.4133**	**797.3315**	**832.8444**	**869.4602**
YVTAS(-57) b_5(-57) GALSPGG-H_2O(-78) PLDTL-H_2O(-126)	y_{11}^{+2}(-33)	LDTLGS-28(28) y_5(-57)	b_6(-60) YVTASD-28(-60)	b_7(-65) SDPLDTL-H_2O(-115)	y_{16}^{+2}(-48)	y_8(-70)	GALSPGGVAS(-105)		LGSEGALSPG(27) y_9(-69)
889.3768	**905.9568**	**911.7233**	**923.8852**	**932.8873**	**956.4848**	**1005.4910**	**1069.5572**	**1106.5056**	**1192.5470**
					y_{10}(-71)	y_{21}^{+2}(-56) GALSPGGVASLL-H_2O(-81)	y_{11}(-74)	y_{23}^{+2}(-64)	y_{25}^{+2}(-60)

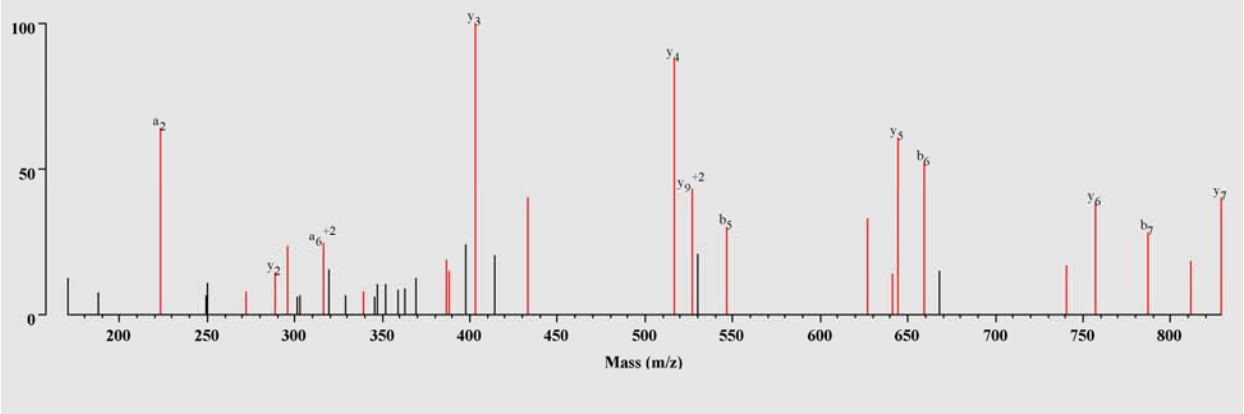
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	28 ---	---
251.1026	2	Y	27 2646.3621	1323.6847
350.1710	3	V	26 2483.2988	1242.1530
451.2187	4	T	25 2384.2304	1192.6188
522.2558	5	A	24 2283.1827	1142.0950
609.2879	6	S	23 2212.1456	1106.5764
724.3148	7	D	22 2125.1135	1063.0604
821.3676	8	P	21 2010.0866	1005.5469
934.4516	9	L	20 1913.0338	957.0206
1049.4786	10	D	19 1799.9498	900.4785
1150.5263	11	T	18 1684.9228	842.9651
1263.6103	12	L	17 1583.8751	792.4412
1320.6318	13	G	16 1470.7911	735.8992
1407.6638	14	S	15 1413.7696	707.3884

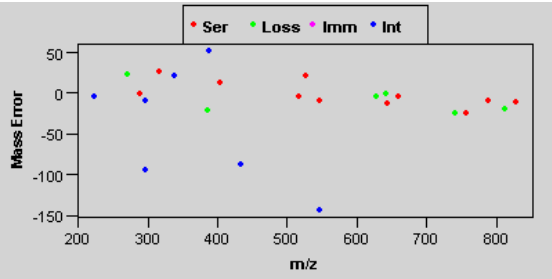
1536.7064	15	**E**	14	1326.7376	663.8724
1593.7279	16	**G**	13	1197.6950	599.3511
1664.7650	17	**A**	12	1140.6735	570.8404
1777.8491	18	**L**	11	1069.6364	535.3218
1864.8811	19	**S**	10	956.5524	478.7798
1961.9338	20	**P**	9	869.5203	435.2638
2018.9553	21	**G**	8	772.4676	386.7374
2075.9768	22	**G**	7	715.4461	358.2267
2175.0452	23	**V**	6	658.4246	329.7160
2246.0823	24	**A**	5	559.3562	280.1817
2333.1143	25	**S**	4	488.3191	244.6632
2446.1984	26	**L**	3	401.2871	201.1472
2559.2825	27	**L**	2	288.2030	144.6051
---	28	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSHALQLNNR^{+3}



Max Intensity: **6.68**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **79.1%** Matched Series Intensity: **79.1%**



Sequence SYSHALQLNNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C55 H88 N19 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1303.4287	1302.6549	652.2181	651.8311	435.1479	434.8898

[–] **Peak Matches**

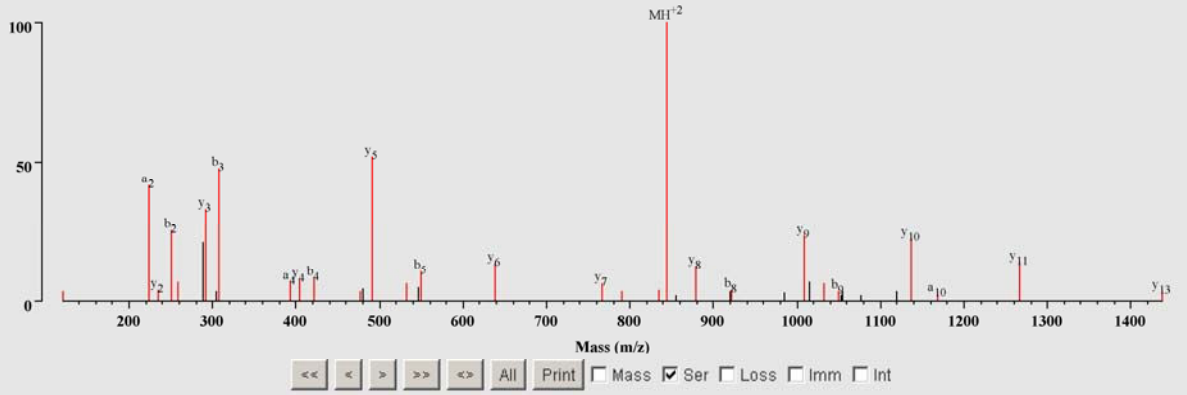
170.1178	188.1323	223.1068	249.1118	250.0479	272.1416	289.1618	296.1323	301.1227	303.1875
		a_2(-4.1) YS-28(-4.1)			y_2-NH_3(23)	y_2(-0.28)	SHA(-10) ALQ-NH_3(-95)		
316.1722	**319.1671**	**329.1595**	**339.1735**	**345.1548**	**347.1782**	**352.1339**	**359.1434**	**363.1546**	**369.1296**
a_6^{+2}(27)			QLN-NH_3(21)						
386.1702	**388.1818**	**397.2168**	**403.2101**	**414.1816**	**433.1818**	**516.2864**	**526.7946**	**530.2594**	**546.2250**
y_3-NH_3(-21)	YSH(52)		y_3(13)		HALQ-NH_3(-87)	y_4(-4.7)	y_9^{+2}(21)		b_5(-10) HALQL-NH_3(-144)
627.3180	**641.3039**	**644.3396**	**659.3123**	**668.3304**	**740.3871**	**757.4125**	**787.3651**	**811.4257**	**828.4598**
y_5-NH_3(-4.6)	b_6-H_2O(-0.45)	y_5(-12)	b_6(-3.7)		y_6-NH_3(-24)	y_6(-25)	b_7(-10)	y_7-NH_3(-20)	y_7(-11)

[–] **Main Sequence Ions**

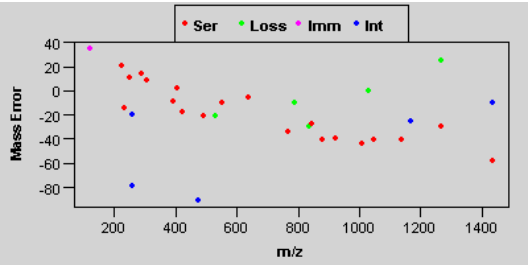
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1215.6229	608.3151
338.1347	---	3	S 9	1052.5596	526.7834
475.1936	238.1004	4	H 8	965.5275	483.2674
546.2307	273.6190	5	A 7	828.4686	414.7380
659.3148	330.1610	6	L 6	757.4315	379.2194
787.3733	394.1903	7	Q 5	644.3474	322.6774
900.4574	450.7323	8	L 4	516.2889	258.6481
1014.5003	507.7538	9	N 3	403.2048	202.1060
1128.5432	564.7753	10	N 2	289.1619	145.0846
---	---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLEEELQFSLGSK^{+2}



Max Intensity: **27.7**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **88.7%** Matched Series Intensity: **85.8%**



Sequence SYGLEEELQFSLGSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C75 H116 N17 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1687.8551	1686.8221	844.4312	843.9147

[–] **Peak Matches**

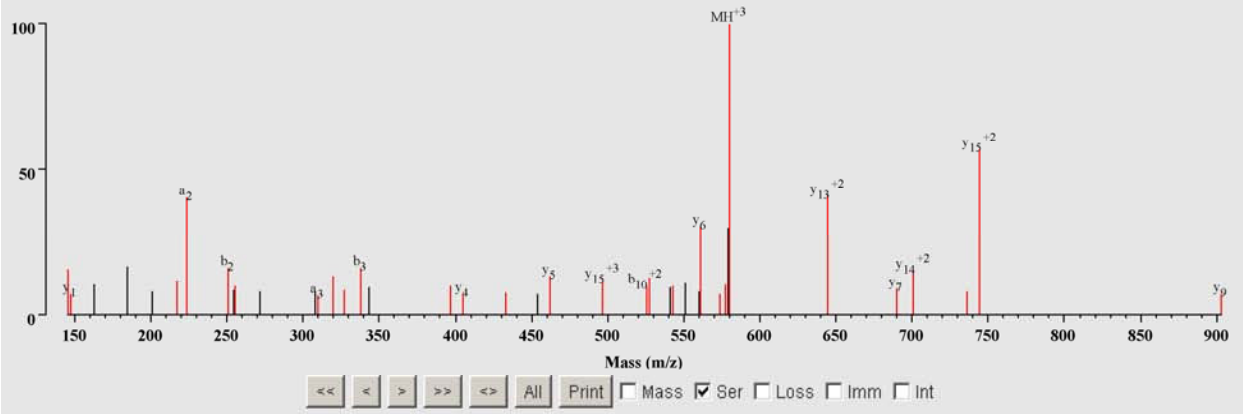
120.0850	223.1124	234.1416	251.1055	259.0873	288.2929	291.1704	304.1635	308.1266	393.2098
F(35)	a_2(21)	y_2(-14)	b_2(11)	EE(-20) QF-NH_3(-79)		y_3(14)		b_3(8.1)	a_4(-8.8)
404.2510	**421.2005**	**476.2069**	**480.2680**	**491.2722**	**532.2292**	**547.2257**	**550.2455**	**638.3470**	**766.3835**
y_4(1.6)	b_4(-18)	QFSL(-91) LQFS(-91)		y_5(-21)	b_5-H_2O(-21)		b_5(-9.5)	y_6(-6.0)	y_7(-34)
790.3179	**834.8843**	**843.8913**	**855.4029**	**879.4573**	**919.3226**	**921.3843**	**984.3614**	**1008.4919**	**1015.0091**
b_7-H_2O(-9.5)	MH-H_2O^{+2}(-30)	MH^{+2}(-28)		y_8(-41)		b_8(-39)		y_9(-44)	
1032.4523	**1049.4357**	**1053.4962**	**1054.0001**	**1076.0789**	**1119.0276**	**1137.5325**	**1168.5231**	**1266.5837**	**1436.6437**
b_9-NH_3(0.27)	b_9(-41)					y_{10}(-41)	a_{10}(-25) YGLEEELQFS-28(-25)	b_{11}-NH_3(25) y_{11}(-30)	b_{13}-NH_3(-10.0) YGLEEELQFSLGS-NH_3(-10.0) y_{13}(-58)

[–] **Main Sequence Ions**

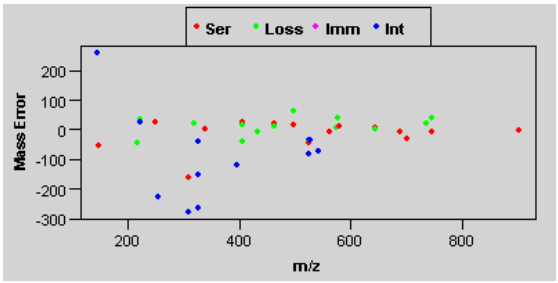
b				y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1599.7901	800.3987
308.1241	3	G	13	1436.7268	718.8670
421.2082	4	L	12	1379.7053	690.3563
550.2508	5	E	11	1266.6212	633.8142
679.2933	6	E	10	1137.5786	569.2930
808.3359	7	E	9	1008.5360	504.7717
921.4200	8	L	8	879.4934	440.2504
1049.4786	9	Q	7	766.4094	383.7083
1196.5470	10	F	6	638.3508	319.6790
1283.5790	11	S	5	491.2824	246.1448
1396.6631	12	L	4	404.2504	202.6288
1453.6846	13	G	3	291.1663	146.0868
1540.7166	14	S	2	234.1448	117.5761
---	15	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLGSKINVKVGGNSK^{+3}



Max Intensity: **12.1**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **79.4%** Matched Series Intensity: **75.7%**



Sequence SYSLGSKINVKVGGNSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C75 H129 N22 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1738.9936	1737.9494	870.0005	869.4783	580.3362	579.9880

[–] Peak Matches

145.0985	147.1049	163.1099	184.1409	201.0351	217.1082	223.1131	251.1093	254.0074	255.0870
GS(260)	y_1(-54)				y_2-NH_3(-46)	y_5-NH_3^{+2}(33) a_2(24) YS-28(24)	YS(27) b_2(27)		GSK-H_2O(-228)
272.0030	**308.0633**	**310.0897**	**320.1303**	**327.1531**	**338.1355**	**343.1115**	**397.1349**	**405.2192**	**433.2047**
		a_3(-161) INV-NH_3(-279)	b_3-H_2O(19)	SLGS-H_2O(-40) INV(-152) VKV(-263)	b_3(2.5)		VGGNS-H_2O(-121)	y_4(25) a_4-H_2O(15) y_{12}-NH_3^{+3}(-39)	b_4-H_2O(-8.0)
454.2002	**462.2405**	**496.6308**	**525.2608**	**527.3103**	**541.2728**	**543.2492**	**551.3216**	**560.2740**	**561.2962**
	y_5(21) a_5-H_2O(13)	b_{15}-NH_3^{+3}(62) y_{15}^{+3}(16)	KVGGNS-H_2O(-33) b_{16}-H_2O^{+3}(-42) b_{10}^{+2}(-46) SKINV-NH_3(-81)	NVKVGG-28(-37) VKVGGN-28(-37)		y_6-H_2O(-72) KVGGNS(-72)			y_6(-5.1)
573.9885	**577.2854**	**579.2903**	**579.9944**	**644.3759**	**689.3886**	**700.8935**	**735.9311**	**744.4250**	**902.5021**
MH-H_2O^{+3}(7.0)	b_6-H_2O(41)		MH^{+3}(11)	y_{13}^{+2}(5.1) a_{13}-H_2O^{+2}(2.0)	y_7(-7.9)	y_{14}^{+2}(-30)	y_{15}-NH_3^{+2}(19)	b_{15}-NH_3^{+2}(39) y_{15}^{+2}(-7.6)	y_9(-3.7)

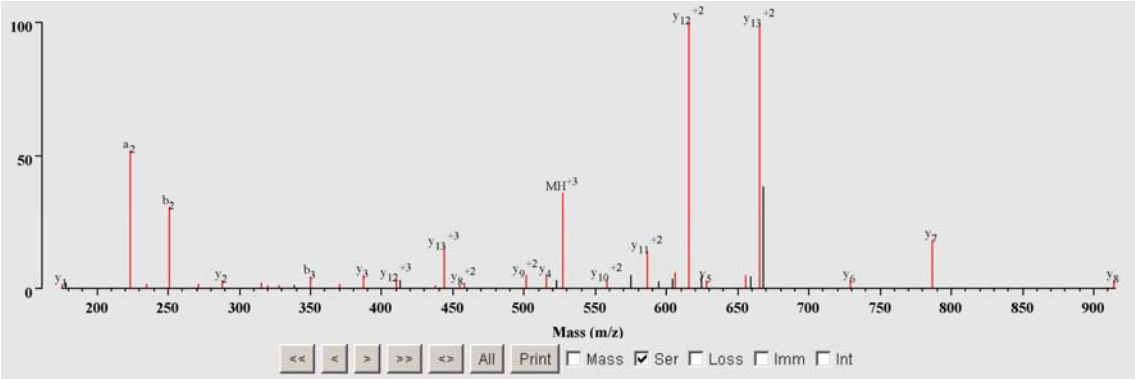
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	17 ---	---
251.1026	---	2	Y	16 1650.9173	825.9623
338.1347	---	3	S	15 1487.8540	744.4306
451.2187	---	4	L	14 1400.8220	700.9146
508.2402	---	5	G	13 1287.7379	644.3726
595.2722	---	6	S	12 1230.7165	615.8619
723.3672	362.1872	7	K	11 1143.6844	572.3459
836.4512	418.7293	8	I	10 1015.5895	508.2984
950.4942	475.7507	9	N	9 902.5054	451.7563
1049.5626	525.2849	10	V	8 788.4625	394.7349
1177.6575	589.3324	11	K	7 689.3941	345.2007
1276.7260	638.8666	12	V	6 561.2991	281.1532
1333.7474	667.3774	13	G	5 462.2307	231.6190

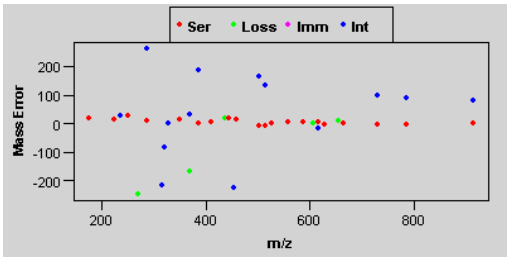
1390.7689	695.8881	14	**G**	4	405.2092	203.1083
1504.8118	752.9095	15	**N**	3	348.1878	174.5975
1591.8438	796.4256	16	**S**	2	234.1448	117.5761
---	---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVGGNSKGTLKVLR^{+3}



Max Intensity: **481**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **86.5%** Matched Series Intensity: **85.4%**



Sequence SYVGGNSKGTLKVLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H120 N21 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1579.8510	1578.8962	790.4292	789.9517	527.2886	526.9703

[–] **Peak Matches**

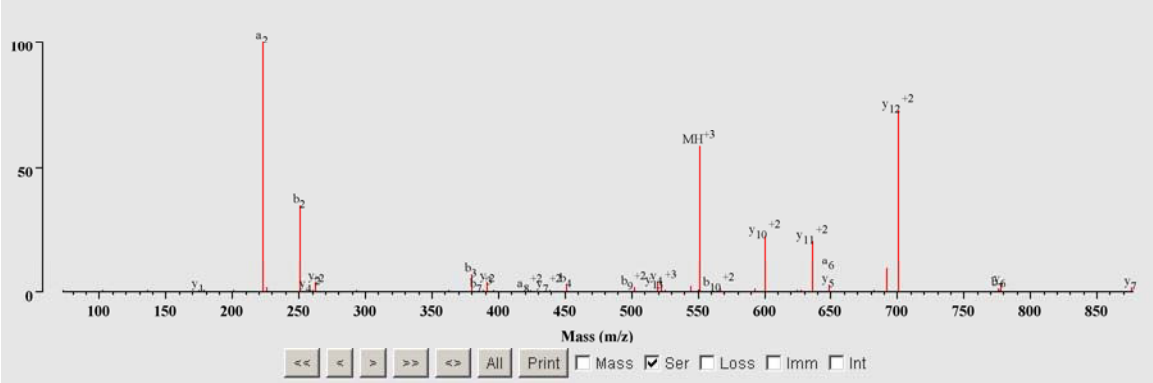
175.1221	178.0914	223.1103	235.1510	251.1093	271.1094	288.2058	315.1715	320.1337	328.1621
y_1(18)		a_2(12)	YV-28(29)	b_2(27)	y_2-NH_3(-247)	GGNS-28(262) y_2(9.7)	TLK-28(-214)	YVG(-84)	VGGN(1.7)
338.1424	**350.1752**	**370.1831**	**387.2712**	**410.5843**	**413.1983**	**437.6103**	**443.6134**	**454.2365**	**457.8176**
	b_3(12)	GNSK-NH_3(30) NSKG-NH_3(30) y_3-NH_3(-167)	VGGNS-28(187) NSKG(187) GNSK(187) y_3(-0.59)	y_{12}^{+3}(4.8)		y_{13}-H_2O^{+3}(20)	y_{13}^{+3}(19)	LKVL(-225)	y_8^{+2}(15)
501.3238	**515.3633**	**522.9448**	**526.9713**	**558.3523**	**574.8186**	**586.8634**	**594.8064**	**603.8140**	**606.3654**
GGNSKG(164) y_9^{+2}(-6.3)	VGGNSK-28(135) y_4(-6.0)		MH^{+3}(2.0)	y_{10}^{+2}(7.0)		y_{11}^{+2}(7.3)			y_{12}-H_2O^{+2}(1.4)
615.3729	**624.3475**	**628.4474**	**655.9053**	**658.8607**	**664.9036**	**667.8621**	**729.4962**	**786.5185**	**914.6169**
y_{12}^{+2}(4.9) SKGTLK(-15)		y_5(-4.9)	y_{13}-H_2O^{+2}(9.9)		y_{13}^{+2}(-0.70)		NSKGTLK(97) y_6(-2.7)	VGGNSKGTL-28(91) GNSKGTLK(91) y_7(-1.4)	VGGNSKGTLK-28(82) GGNSKGTLKV-28(82) y_8(2.6)

[–] **Main Sequence Ions**

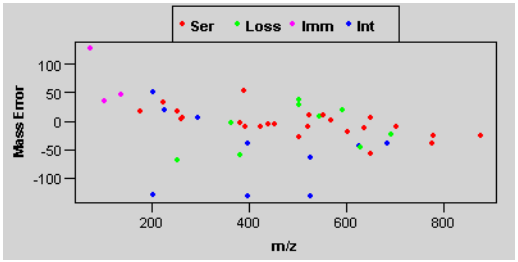
b	b^{+2}			y	y^{+2}
---	---	1	S 15	---	---
251.1026	---	2	Y 14	1491.8642	746.4357
350.1710	---	3	V 13	1328.8009	664.9041
407.1925	---	4	G 12	1229.7324	615.3699
464.2140	---	5	G 11	1172.7110	586.8591
578.2569	---	6	N 10	1115.6895	558.3484
665.2889	---	7	S 9	1001.6466	501.3269
793.3839	397.1956	8	K 8	914.6146	457.8109
850.4054	425.7063	9	G 7	786.5196	393.7634
951.4530	476.2302	10	T 6	729.4981	365.2527
1064.5371	532.7722	11	L 5	628.4505	314.7289
1192.6321	596.8197	12	K 4	515.3664	258.1868
1291.7005	646.3539	13	V 3	387.2714	194.1394
1404.7845	702.8959	14	L 2	288.2030	144.6051
---	---	15	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEAPKVVEEQESR^{+3}



Max Intensity: **45.2**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.5%** Matched Series Intensity: **99.5%**



Sequence SYEAPKVVEEQESR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C70 H112 N19 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1651.7811	1650.7970	826.3942	825.9021	551.2653	550.9372

[–] **Peak Matches**

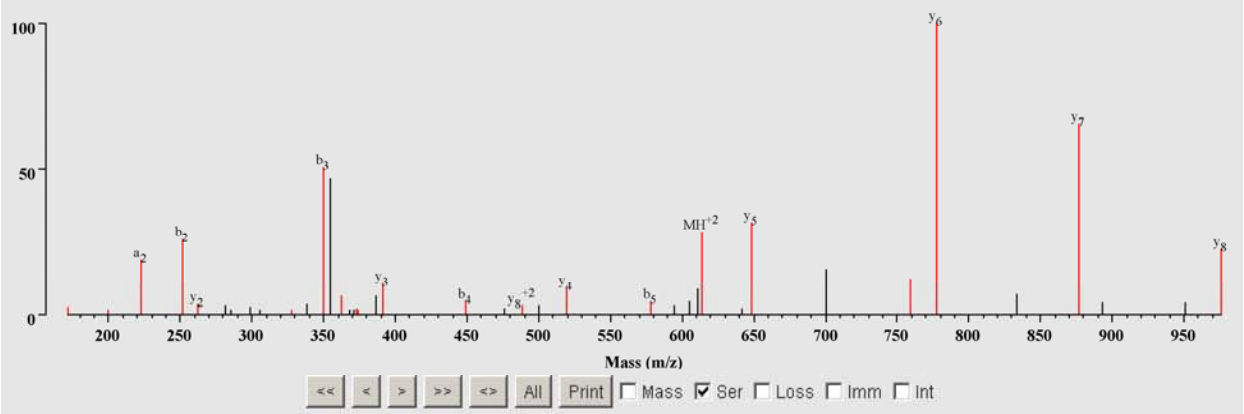
72.0900	102.0585	136.0821	175.1220	178.0918	201.0972	223.1152	226.1596	251.1070	260.1305
V(128)	E(35)	Y(47)	y_1(17)		EA(51) VE-28(-130)	a_2(34)	PK(20)	b_2(17) y_4-H_2O^{+2}(-69)	y_4^{+2}(3.0)
262.1525	**293.1149**	**362.1337**	**380.1444**	**388.2238**	**391.1891**	**396.2450**	**423.7355**	**438.7043**	**451.1803**
y_2(5.8)	YE(5.8)	b_3-H_2O(-2.7)	b_3(-2.2) y_6-H_2O^{+2}(-60)	b_7^{+2}(54)	y_3(-11)	APKV(-39) PKVV-28(-131)	a_8^{+2}(-9.7)	y_7^{+2}(-5.0)	b_4(-4.5)
502.2440	**519.2470**	**521.9314**	**525.2703**	**544.9379**	**550.2633**	**550.9429**	**566.7801**	**592.3127**	**600.8039**
y_4-NH_3(37) a_5-H_2O(29) b_9^{+2}(-29)	y_4(-9.9)	y_{13}^{+3}(9.4)	EAPKV(-63) PKVVE-28(-132)	MH-H_2O^{+3}(7.8)		MH^{+3}(10)	b_{10}^{+2}(0.74)	y_{10}-NH_3^{+2}(19)	y_{10}^{+2}(-18)
624.3440	**627.2991**	**636.3255**	**648.2979**	**682.3505**	**691.8330**	**700.8471**	**775.3685**	**777.3174**	**876.3836**
EAPKVV(-44) APKVVE(-44)	y_{11}-H_2O^{+2}(-46)	y_{11}^{+2}(-12)	y_5(4.9) a_6(-57)	PKVVEE(-39)	y_{12}-H_2O^{+2}(-23)	y_{12}^{+2}(-10)	b_7(-39)	y_6(-26)	y_7(-25)

[–] **Main Sequence Ions**

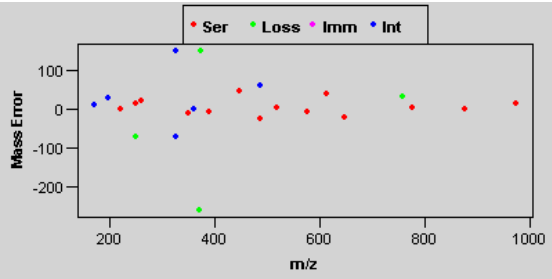
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1563.7649	782.3861
380.1452	---	3	E	12	1400.7016	700.8544
451.1823	---	4	A	11	1271.6590	636.3331
548.2351	---	5	P	10	1200.6219	600.8146
676.3301	338.6687	6	K	9	1103.5691	552.2882
775.3985	388.2029	7	V	8	975.4742	488.2407
874.4669	437.7371	8	V	7	876.4058	438.7065
1003.5095	502.2584	9	E	6	777.3373	389.1723
1132.5521	566.7797	10	E	5	648.2947	324.6510
1260.6107	630.8090	11	Q	4	519.2522	260.1297
1389.6533	695.3303	12	E	3	391.1936	196.1004
1476.6853	738.8463	13	S	2	262.1510	131.5791
---	---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVVEEQESR^{+2}



Max Intensity: **7.63**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **76.8%** Matched Series Intensity: **75.5%**



Sequence SYVVEEQESR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H81 N14 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1226.2929	1225.5695	613.6502	613.2884

[–] Peak Matches

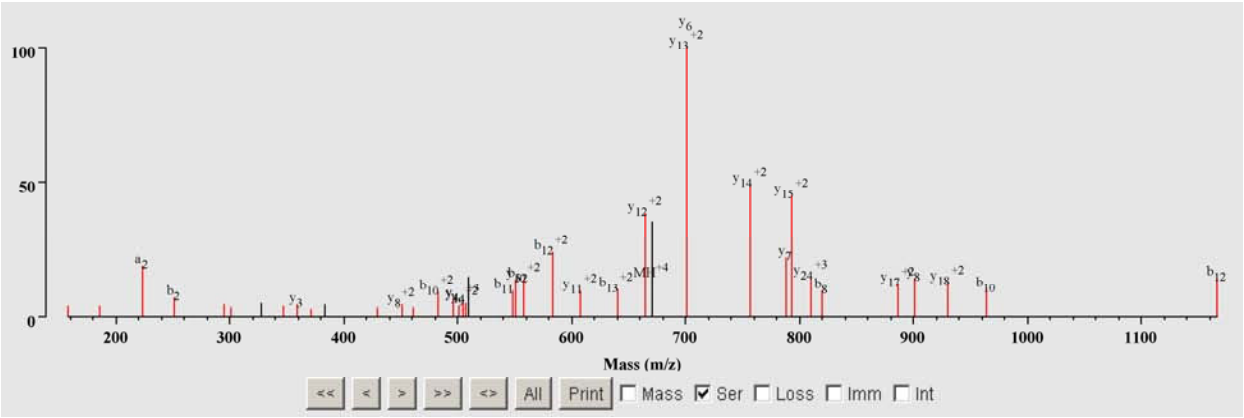
171.1508	**199.1495**	**223.1074**	**251.1063**	**262.1563**	**281.0548**	**285.0054**	**299.0523**	**305.1656**	**328.1630**
VV-28(9.4)	VV(27)	a_2(-1.4)	b_2(15) y_4-H_2O^{+2}(-72)	y_2(20)					QES-NH_3(150) VVE(-72)
338.1276	**350.1673**	**355.0657**	**362.2069**	**368.1649**	**371.0911**	**373.0848**	**374.2229**	**386.2135**	**391.1904**
	b_3(-11)		YVV(-1.5)			y_3-H_2O(-263)	y_3-NH_3(149)		y_3(-8.1)
449.2598	**476.2353**	**488.2282**	**500.2622**	**519.2531**	**578.2779**	**594.2744**	**605.2617**	**611.2658**	**613.3128**
b_4(45)		EEQE-28(60) y_8^{+2}(-26)		y_4(1.8)	b_5(-7.2)				MH^{+2}(40)
641.3301	**648.2809**	**700.3711**	**759.3513**	**777.3387**	**833.4139**	**876.4036**	**893.4211**	**950.5381**	**975.4867**
	y_5(-21)		y_6-H_2O(32)	y_6(1.8)		y_7(-2.5)			y_8(13)

[–] Main Sequence Ions

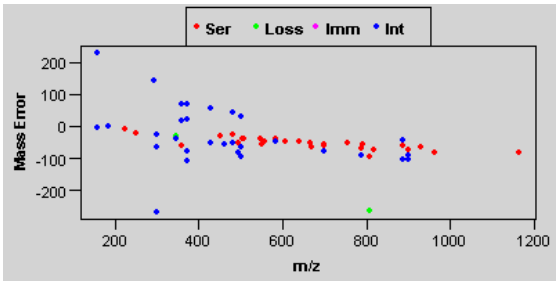
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1138.5375	569.7724
350.1710	3	V	975.4742	488.2407
449.2395	4	V	876.4058	438.7065
578.2821	5	E	777.3373	389.1723
707.3246	6	E	648.2947	324.6510
835.3832	7	Q	519.2522	260.1297
964.4258	8	E	391.1936	196.1004
1051.4578	9	S	262.1510	131.5791
---	10	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNGKVGLSGMAIADVTLLSGFHALR^{+4}



Max Intensity: **243**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **90.0%** Matched Series Intensity: **89.7%**



Sequence: SYNGKVGLSGMAIADVTLLSGFHALR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C119 H194 N33 O35 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2679.1329	2677.4130	1340.0701	1339.2102	893.7159	893.1425	670.5388	670.1087

[–] Peak Matches

157.1331	185.1288	223.1055	251.0976	294.2338	300.1476	327.2201	347.1250	359.2180	371.2008
VG(229) AL-28(-2.8) AI-28(-2.8) IA-28(-2.8)	AL(1.9) IA(1.9) AI(1.9)	a_2(-9.9)	b_2(-20)	HAL-28(141)	IAD(-26) NGK(-63) TLL-28(-268)		b_3-H_2O(-29) SGMA(-39)	ADVT-28(71) MAIA-28(19) y_3(-62)	LSGM-H_2O(70) AIAD(22) LLSG(-76) IADV-28(-76) NGKV-28(-106)
383.2319	**429.2111**	**450.7430**	**460.1969**	**482.2357**	**496.2725**	**500.2396**	**504.9367**	**507.2786**	**509.7519**
	SGFH(54) DVTL(-54)	y_8^{+2}(-29)	SGMAI(-55) LSGMA(-55)	SGFHA-H_2O(44) b_{10}^{+2}(-26) IADVT-H_2O(-52) ADVTL-H_2O(-52)	y_4(-53) VTLLS-H_2O(-82)	SGFHA(29) IADVT(-64) ADVTL(-64) LLSGF-H_2O(-94)	y_{14}^{+3}(-38)	y_9^{+2}(-39)	
547.7466	**550.2300**	**557.7966**	**583.2631**	**607.3281**	**639.7996**	**664.8339**	**670.0658**	**670.4123**	**700.3477**
b_{11}^{+2}(-40)	b_5(-58)	y_{10}^{+2}(-46)	b_{12}^{+2}(-41) MAIADV-H_2O(-48)	y_{11}^{+2}(-46)	b_{13}^{+2}(-46)	y_{12}^{+2}(-54)	MH^{+4}(-64)		ADVTLLS(-57) y_{13}^{+2}(-58) y_6(-59) VTLLSGF-H_2O(-79)
756.8903	**787.3661**	**792.4036**	**809.7025**	**819.3751**	**886.4272**	**900.4403**	**929.9356**	**963.4103**	**1165.4699**
y_{14}^{+2}(-53)	y_7(-70) MAIADVTL-28(-92)	y_{15}^{+2}(-57)	y_{24}^{+3}(-93) a_{17}-H_2O^{+2}(-264)	YNGKVGLS(-74) b_8(-74)	ADVTLLSGF-H_2O(-45) y_{17}^{+2}(-59) GKVGLSGMAI-28(-102)	y_8(-72) MAIADVTLL-28(-91) KVGLSGMAIA-28(-104)	y_{18}^{+2}(-65)	b_{10}(-82)	b_{12}(-83)

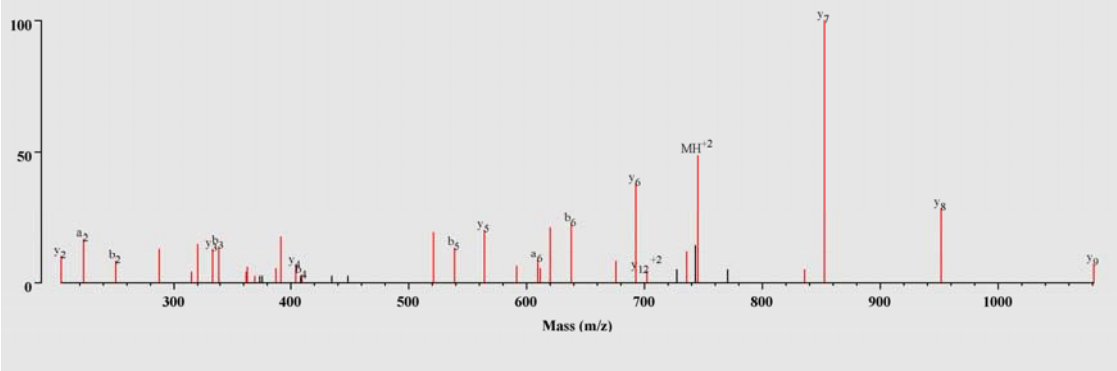
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	26	---	---
251.1026	---	2	Y	25	2590.3810	1295.6941
365.1456	---	3	N	24	2427.3177	1214.1625
422.1670	---	4	G	23	2313.2747	1157.1410
550.2620	275.6346	5	K	22	2256.2533	1128.6303
649.3304	325.1688	6	V	21	2128.1583	1064.5828
706.3519	353.6796	7	G	20	2029.0899	1015.0486
819.4359	410.2216	8	L	19	1972.0684	986.5379
906.4680	453.7376	9	S	18	1858.9844	929.9958
963.4894	482.2483	10	G	17	1771.9524	886.4798
1094.5299	547.7686	11	M	16	1714.9309	857.9691

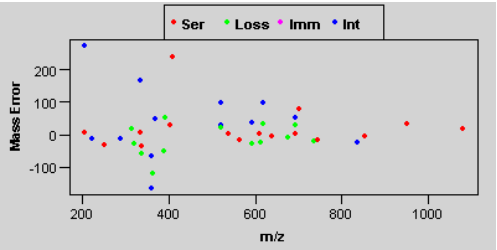
1165.5670	583.2871	12	**A**	15	1583.8904	792.4488
1278.6511	639.8292	13	**I**	14	1512.8533	756.9303
1349.6882	675.3477	14	**A**	13	1399.7692	700.3883
1464.7151	732.8612	15	**D**	12	1328.7321	664.8697
1563.7836	782.3954	16	**V**	11	1213.7052	607.3562
1664.8312	832.9193	17	**T**	10	1114.6368	557.8220
1777.9153	889.4613	18	**L**	9	1013.5891	507.2982
1890.9994	946.0033	19	**L**	8	900.5050	450.7561
1978.0314	989.5193	20	**S**	7	787.4209	394.2141
2035.0529	1018.0301	21	**G**	6	700.3889	350.6981
2182.1213	1091.5643	22	**F**	5	643.3675	322.1874
2319.1802	1160.0937	23	**H**	4	496.2990	248.6532
2390.2173	1195.6123	24	**A**	3	359.2401	180.1237
2503.3014	1252.1543	25	**L**	2	288.2030	144.6051
---	---	26	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAEVC(Carbamidomethyl)QC(Carbamidomethyl)AEGK^{+2}



Max Intensity: **2.55**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **93.1%** Matched Series Intensity: **92.2%**



Sequence: SYSAEVC(Carbamidomethyl)QC(Carbamidomethyl)AEGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H94 N17 O24 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1489.3020	1488.6094	745.1547	744.8083

[–] **Peak Matches**

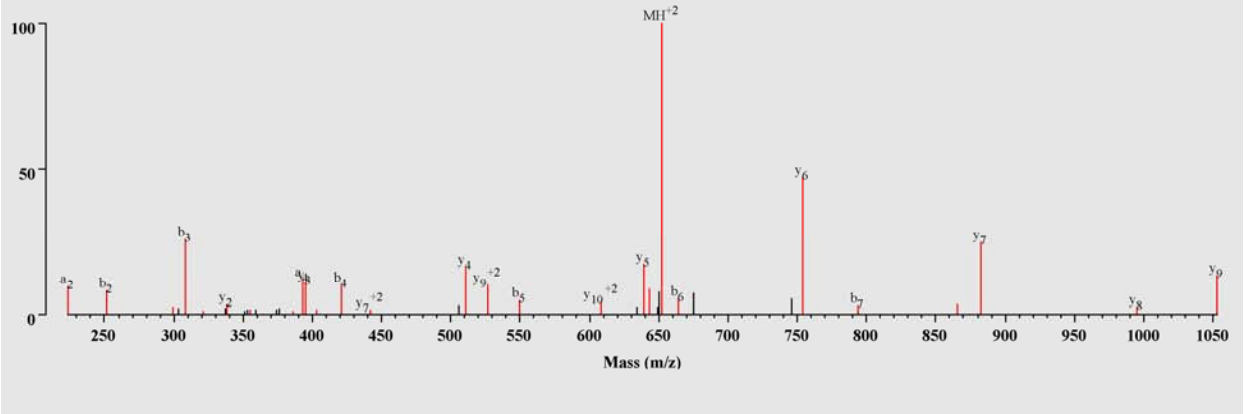
204.1359	223.1046	251.0943	288.1154	315.1721	320.1148	333.1785	338.1224	361.0945	363.1226
C(Carbamidomethyl)A-28(273) y_2(8.0)	a_2(-14) YS-28(-14)	YS(-33) b_2(-33)	SAE(-13)	y_3-H_2O(18)	b_3-H_2O(-29)	C(Carbamidomethyl)AE-28(167) y_3(4.9)	b_3(-36) y_6-NH_3^{+2}(-58)	C(Carbamidomethyl)AE(-64) EVC(Carbamidomethyl)-28(-165)	a_4-H_2O(-120)
369.1954	**373.1452**	**375.1444**	**387.1684**	**391.1810**	**404.2257**	**408.1172**	**409.2691**	**434.0789**	**447.7504**
SAEV-H_2O(50)			SAEV(-49) y_4-NH_3(-49)	b_4-H_2O(51)	y_4(29)		b_4(238)		
520.2155	**538.2156**	**564.2363**	**591.2602**	**609.2899**	**611.2330**	**619.2929**	**637.2807**	**675.2705**	**692.3061**
C(Carbamidomethyl)QC(Carbamidomethyl)A(98) VC(Carbamidomethyl)QC(Carbamidomethyl)-28(29) b_5-H_2O(22)	b_5(2.3)	y_5(-15)	VC(Carbamidomethyl)QC(Carbamidomethyl)A-28(38) a_6-H_2O(-29)	a_6(3.3)	y_{11}-NH_3^{+2}(-23)	VC(Carbamidomethyl)QC(Carbamidomethyl)A(97) b_6-H_2O(33)	b_6(-3.3)	SAEVC(Carbamidomethyl)Q(-9.1) y_6-NH_3(-9.1)	YSAEVC(Carbamidomethyl)-H_2O(51) y_{12}-H_2O^{+2}(28) y_6(4.2)
701.3483	**727.3126**	**735.7889**	**743.2998**	**744.7947**	**770.2929**	**835.2867**	**852.3305**	**951.4342**	**1080.4629**
y_{12}^{+2}(80)		MH-H_2O^{+2}(-19)		MH^{+2}(-18)		y_7-NH_3(-25) SAEVC(Carbamidomethyl)QC(Carbamidomethyl)(-25)	y_7(-3.9)	y_8(34)	y_9(17)

[–] **Main Sequence Ions**

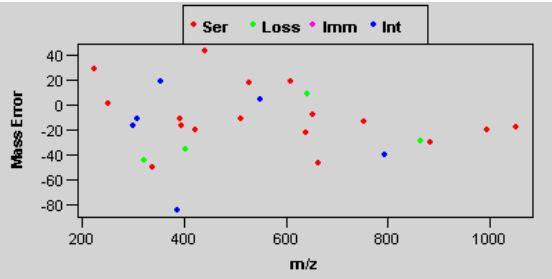
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1401.5773	701.2923
338.1347	3	S	11	1238.5140	619.7606
409.1718	4	A	10	1151.4820	576.2446
538.2144	5	E	9	1080.4449	540.7261
637.2828	6	V	8	951.4023	476.2048
797.3134	7	C(Carbamidomethyl)	7	852.3338	426.6706
925.3720	8	Q	6	692.3032	346.6552
1085.4027	9	C(Carbamidomethyl)	5	564.2446	282.6259
1156.4398	10	A	4	404.2140	202.6106
1285.4824	11	E	3	333.1769	167.0921
1342.5038	12	G	2	204.1343	102.5708
---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLQDEDGYR^{+2}



Max Intensity: **35.1**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **89.7%** Matched Series Intensity: **85.8%**



Sequence: SYGLQDEDGYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H80 N15 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1303.3355	1302.5597	652.1715	651.7835

[–] **Peak Matches**

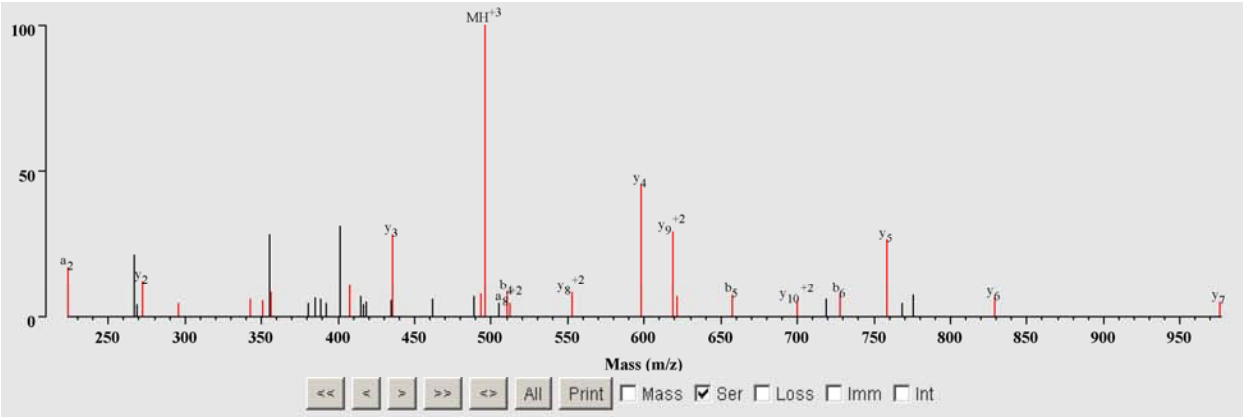
223.1139	251.1027	299.1664	303.1727	308.1204	321.1414	337.0993	338.1654	351.1808	353.1079
a_2(28)	b_2(0.27)	GLQ(-17)		b_3(-12) DGY-28(-12)	y_2-NH_3(-45)		y_2(-50)		
355.1313	**359.1757**	**374.1364**	**376.1806**	**386.1704**	**393.2089**	**395.1971**	**403.1832**	**421.1997**	**441.7021**
QDE-H_2O(18)				GLQD-28(-85)	a_4(-11)	y_3(-17)	b_4-H_2O(-36)	b_4(-20)	y_7^{+2}(43)
505.2367	**510.2252**	**526.7447**	**549.2687**	**608.2788**	**634.2595**	**639.2585**	**642.7837**	**649.3009**	**649.8003**
	y_4(-11)	y_9^{+2}(17)	b_5(3.6) YGLQD-28(3.6)	y_{10}^{+2}(19)		y_5(-23)	MH-H_2O^{+2}(8.6)		
651.7779	**664.2625**	**675.3249**	**746.3639**	**754.2898**	**793.3043**	**865.3071**	**882.3313**	**995.4220**	**1052.4449**
MH^{+2}(-8.6)	b_6(-47)			y_6(-14)	b_7(-40) YGLQDED-28(-40) LQDEDGY-28(-40)	y_7-NH_3(-29)	y_7(-31)	y_8(-21)	y_9(-18)

[–] **Main Sequence Ions**

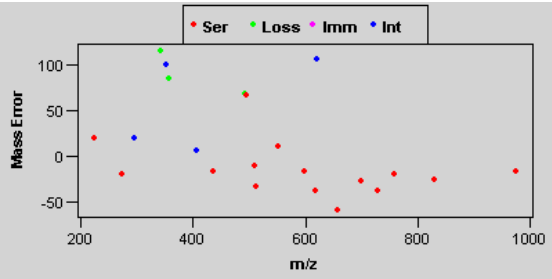
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1215.5277	608.2675
308.1241	3	G 9	1052.4643	526.7358
421.2082	4	L 8	995.4429	498.2251
549.2667	5	Q 7	882.3588	441.6830
664.2937	6	D 6	754.3002	377.6538
793.3363	7	E 5	639.2733	320.1403
908.3632	8	D 4	510.2307	255.6190
965.3847	9	G 3	395.2037	198.1055
1128.4480	10	Y 2	338.1823	169.5948
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMKFAC(Carbamidomethyl)YYPR^{+3}



Max Intensity: **7.32**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **68.8%** Matched Series Intensity: **61.5%**



Sequence: SYMKFAC(Carbamidomethyl)YYPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H97 N16 O17 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1486.5999	1485.6654	743.8037	743.3363	496.2049	495.8933

[–] Peak Matches

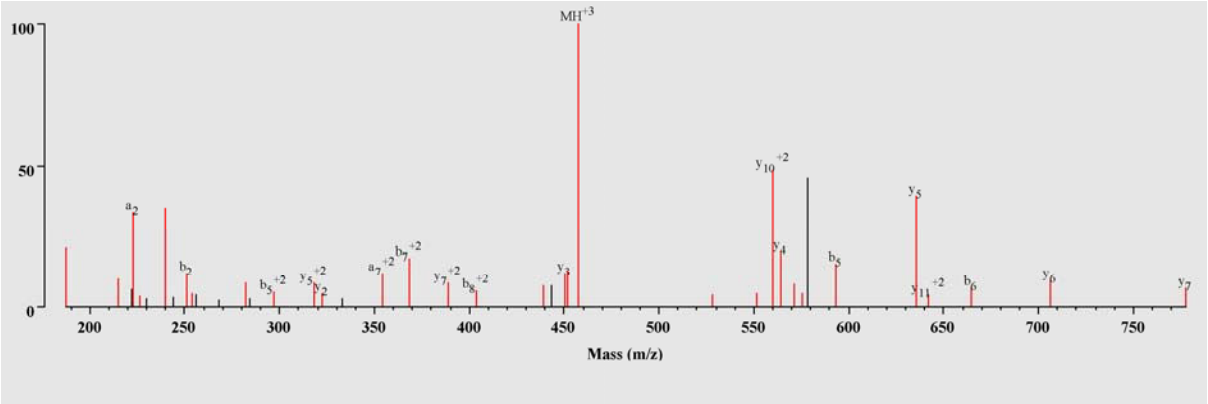
223.1120	267.0012	269.0105	272.1662	296.1119	342.2041	351.1837	355.0623	356.1920	380.1513
a_2(19)			y_2(-20)	C(Carbamidomethyl)Y-28(19)	a_6-NH_3^{+2}(115)	FAC(Carbamidomethyl)-28(100)		b_6-NH_3^{+2}(84)	
385.2202	**388.2351**	**392.3146**	**401.0680**	**407.2131**	**414.7953**	**416.8081**	**418.8025**	**434.7848**	**435.2270**
				MKF(4.8)					y_3(-18)
461.7414	**489.1800**	**493.2449**	**495.9262**	**505.2873**	**510.2326**	**512.2076**	**552.7737**	**598.2881**	**618.2648**
		b_4-NH_3(68)	MH^{+3}(66)		b_4(-11)	a_8^{+2}(-34)	y_8^{+2}(9.6)	y_4(-17)	y_9^{+2}(-39)
621.3182	**657.2670**	**699.8009**	**718.4039**	**728.3153**	**758.3135**	**768.3827**	**775.4135**	**829.3448**	**976.4183**
MKFAC(Carbamidomethyl)-NH_3(106)	b_5(-60)	y_{10}^{+2}(-28)		b_6(-39)	y_5(-20)			y_6(-26)	y_7(-17)

[–] Main Sequence Ions

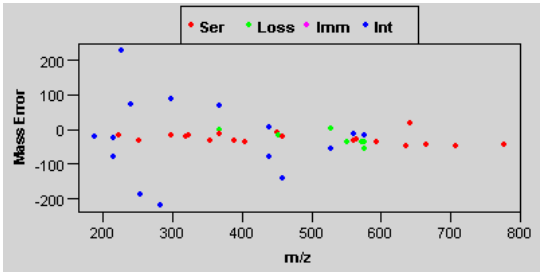
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1398.6333	699.8203
382.1431	---	3	**M**	9	1235.5700	618.2886
510.2381	255.6227	4	**K**	8	1104.5295	552.7684
657.3065	329.1569	5	**F**	7	976.4345	488.7209
728.3436	364.6754	6	**A**	6	829.3661	415.1867
888.3743	444.6908	7	**C(Carbamidomethyl)**	5	758.3290	379.6681
1051.4376	526.2224	8	**Y**	4	598.2984	299.6528
1214.5009	607.7541	9	**Y**	3	435.2350	218.1212
1311.5537	656.2805	10	**P**	2	272.1717	136.5895
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDVKAAANQM(Oxidation)R^{+3}



Max Intensity: **18.0**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **86.2%** Matched Series Intensity: **82.8%**



Sequence: SYDVKAAANQM(Oxidation)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H93 N18 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1370.3743	1369.6529	685.6909	685.3301	457.4631	457.2225

[–] **Peak Matches**

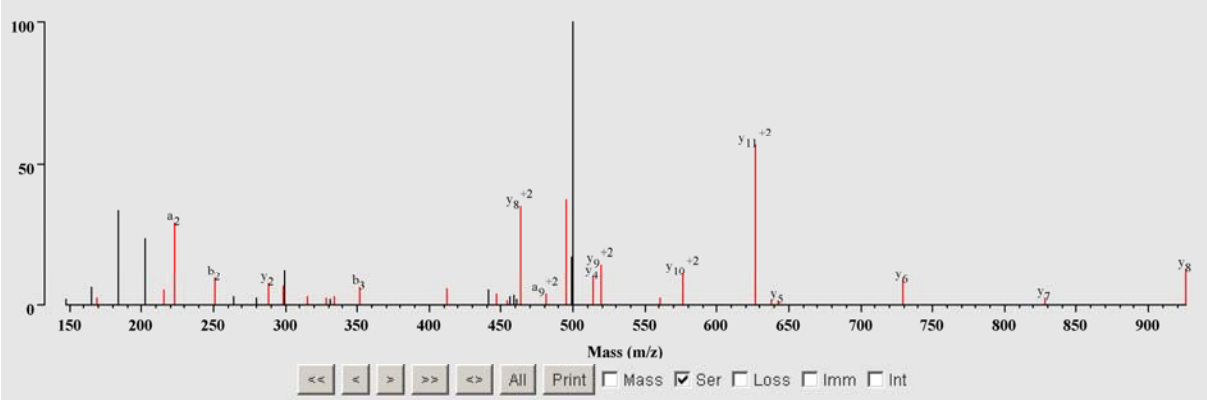
187.1040	215.0973	222.1017	223.1042	226.1338	230.1333	240.1153	244.1562	251.0944	254.1026
DV-28(-20)	DV(-25) NQ-28(-77)		a_2(-16)	NQ-NH_3(228)		AAN-NH_3(73)		YD-28(-33) b_2(-33)	KAA-NH_3(-186)
256.0873	**268.0782**	**282.1195**	**284.1387**	**297.1452**	**318.1437**	**322.1484**	**333.1683**	**354.1788**	**368.1819**
		VKA-NH_3(-219)		ANQ-NH_3(87) b_5^{+2}(-17)	y_5^{+2}(-20)	y_2(-18)		a_7^{+2}(-31)	AANQ-NH_3(69) y_{10}-NH_3^{+3}(0.16) b_7^{+2}(-14)
389.1745	**403.6906**	**439.1959**	**443.1974**	**450.2081**	**451.5404**	**457.2131**	**528.2844**	**551.7489**	**560.2644**
y_7^{+2}(-33)	b_8^{+2}(-38)	AAANQ-NH_3(5.3) KAAAN-NH_3(-78)		y_3(-11)	MH-NH_3^{+3}(-15)	MH^{+3}(-21) DVKAA-28(-140)	y_{10}-$SOCH_4^{+2}$(2.2) DVKAAA-28(-56)	y_{10}-NH_3^{+2}(-37)	YDVKA-NH_3(-13) y_{10}^{+2}(-32)
564.2393	**571.2742**	**575.2509**	**578.2624**	**593.2717**	**635.2628**	**641.8254**	**664.3016**	**706.2971**	**777.3334**
y_4(-29)	y_5-$SOCH_4$(-36)	AAANQM(Oxidation)-28(-17) a_{11}-H_2O^{+2}(-36) b_5-H_2O(-55)		b_5(-36)	y_5(-47)	y_{11}^{+2}(18)	b_6(-43)	y_6(-47)	y_7(-43)

[–] **Main Sequence Ions**

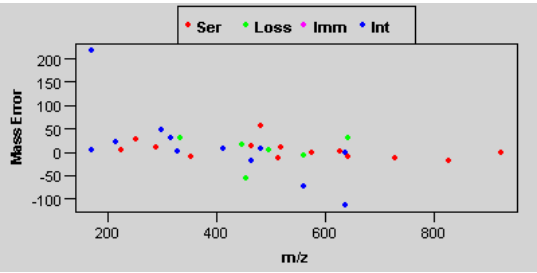
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1282.6208	641.8141
366.1296	---	3	**D**	10	1119.5575	560.2824
465.1980	---	4	**V**	9	1004.5306	502.7689
593.2930	297.1501	5	**K**	8	905.4622	453.2347
664.3301	332.6687	6	**A**	7	777.3672	389.1872
735.3672	368.1872	7	**A**	6	706.3301	353.6687
806.4043	403.7058	8	**A**	5	635.2930	318.1501
920.4472	460.7272	9	**N**	4	564.2559	282.6316
1048.5058	524.7565	10	**Q**	3	450.2129	225.6101
1195.5412	598.2742	11	**M(Oxidation)**	2	322.1544	161.5808
---	---	12	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTLLPVSKPEIR^{+3}



Max Intensity: **144**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **57.0%** Matched Series Intensity: **54.4%**



Sequence: SYTLLPVSKPEIR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H116 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1503.7928	1502.8577	752.4001	751.9325	501.9359	501.6241

[–] **Peak Matches**

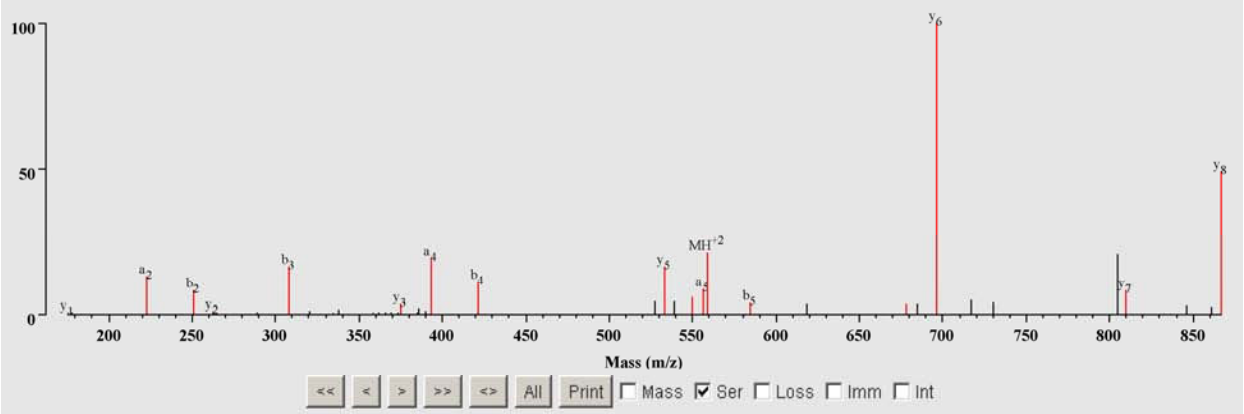
147.0681	165.0811	169.1341	184.1383	202.1493	215.1437	223.1089	251.1093	264.1703	280.1907
		VS-H_2O(218) PV-28(3.3)			EI-28(22) TL(22)	a_2(5.3)	b_2(27)		
288.2058	**298.1907**	**299.1557**	**315.2118**	**328.2238**	**331.1829**	**334.1500**	**352.1473**	**412.2581**	**441.2287**
y_2(9.7)	VSK-NH_3(49)		VSK(29)	TLL(2.2)		b_3-H_2O(31)	b_3(-8.6)	y_{11}-H_2O^{+3}(6.4) VSKP(6.4) PVSK(6.4)	
447.2305	**454.2466**	**456.1930**	**459.2057**	**461.2054**	**463.2828**	**481.3171**	**495.6232**	**499.3276**	**500.3644**
b_4-H_2O(15)	y_8-H_2O^{+2}(-55)				y_8^{+2}(13) YTLL-28(-19)	a_9^{+2}(57) PVSKP-28(7.9)	MH-H_2O^{+3}(5.3)		
514.2918	**519.8244**	**560.3040**	**576.3603**	**626.8850**	**638.3507**	**642.3860**	**729.4169**	**828.4778**	**925.5452**
y_4(-13)	y_9^{+2}(11)	b_5-H_2O(-6.9) YTLLP-28(-72)	y_{10}^{+2}(-1.2)	y_{11}^{+2}(0.30)	PVSKPE(-0.16) LLPVSK(-114)	a_{12}-NH_3^{+2}(31) y_5(-11)	y_6(-12)	y_7(-19)	y_8(-1.5)

[–] **Main Sequence Ions**

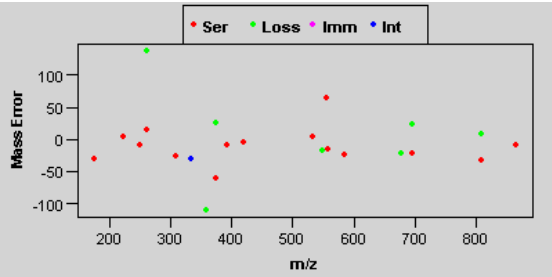
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1415.8257	708.4165
352.1503	---	3	**T**	11	1252.7623	626.8848
465.2344	---	4	**L**	10	1151.7147	576.3610
578.3184	---	5	**L**	9	1038.6306	519.8189
675.3712	---	6	**P**	8	925.5465	463.2769
774.4396	---	7	**V**	7	828.4938	414.7505
861.4716	---	8	**S**	6	729.4254	365.2163
989.5666	495.2869	9	**K**	5	642.3933	321.7003
1086.6194	543.8133	10	**P**	4	514.2984	257.6528
1215.6620	608.3346	11	**E**	3	417.2456	209.1264
1328.7460	664.8767	12	**I**	2	288.2030	144.6051
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGIYGTISR^{+2}



Max Intensity: **17.4**
Num Matched: **19/40 (52.5% unmatched)** Matched Intensity: **82.5%** Matched Series Intensity: **81.0%**



Sequence SYGIYGTISR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C50 H78 N13 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1117.2543	1116.5684	559.1309	558.7878

[–] Peak Matches

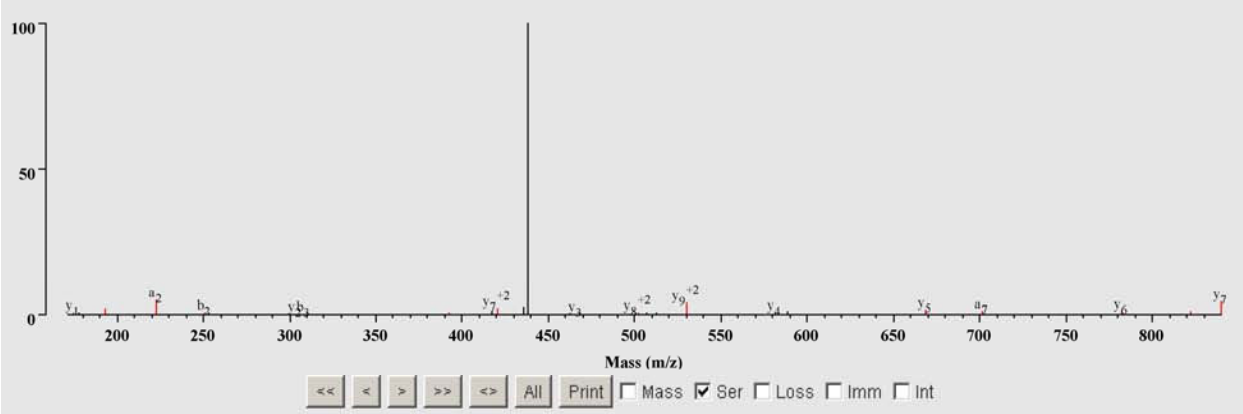
175.1137	178.0771	223.1088	251.1003	262.1548	289.1752	308.1159	315.1721	320.0978	334.1657
y_1(-30)		a_2(4.8)	b_2(-9.3)	a_3-H_2O(138) y_2(15)		b_3(-27)			GIY(-31) YGI(-31) IYG(-31)
338.1206	**358.1687**	**362.2033**	**366.1156**	**369.1718**	**373.1726**	**375.2123**	**385.2153**	**386.1986**	**390.2101**
	y_3-NH_3(-111)					a_4-H_2O(26) y_3(-61)			
393.2092	**421.2058**	**527.7619**	**533.3059**	**538.7757**	**549.7724**	**556.3120**	**558.7794**	**584.2567**	**618.3676**
a_4(-10)	b_4(-5.6)		y_5(3.2)		MH-H_2O^{+2}(-18)	a_5(64)	MH^{+2}(-15)	b_5(-25)	
678.3411	**684.3720**	**696.3515**	**717.4041**	**730.3508**	**804.4435**	**809.4257**	**846.4520**	**861.4183**	**866.4650**
y_6-H_2O(-23)		a_7-H_2O(23) y_6(-23)				a_8-H_2O(8.0) y_7(-32)			y_8(-9.3)

[–] Main Sequence Ions

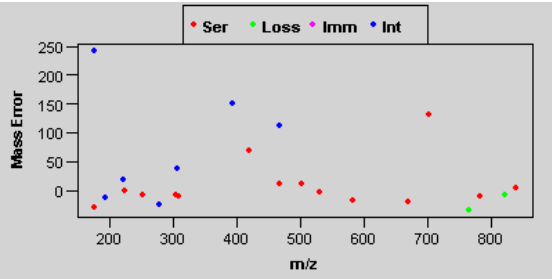
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1029.5364	515.2718
308.1241	3	G	866.4730	433.7402
421.2082	4	I	809.4516	405.2294
584.2715	5	Y	696.3675	348.6874
641.2930	6	G	533.3042	267.1557
742.3406	7	T	476.2827	238.6450
855.4247	8	I	375.2350	188.1212
942.4567	9	S	262.1510	131.5791
---	10	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGYGNSDYKR^{+3}



Max Intensity: **173**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **20.7%** Matched Series Intensity: **20.7%**



Sequence SYGYGNSDYKR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H81 N16 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1310.3736	1309.5808	655.6905	655.2940	437.4628	437.1984

[–] **Peak Matches**

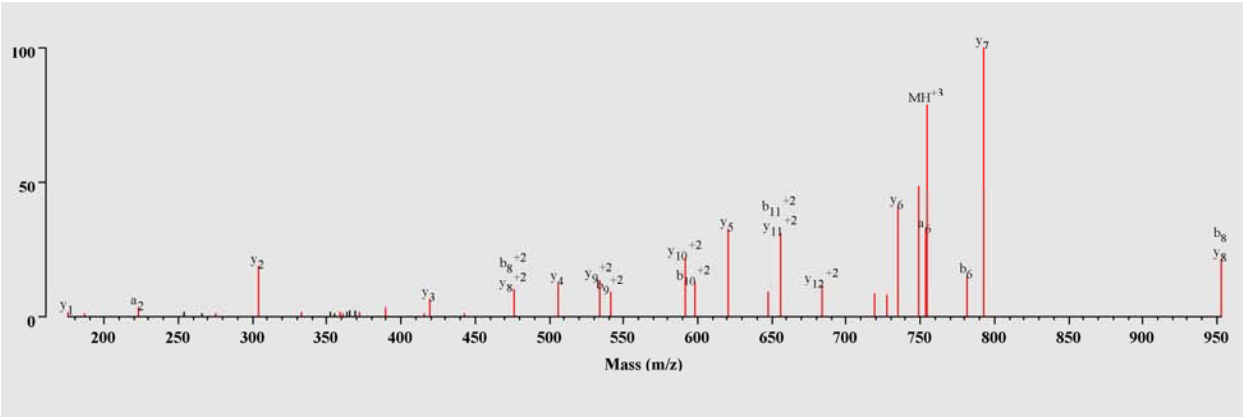
171.1434	175.1137	178.0834	193.0946	221.0959	223.1074	251.1003	253.2225	265.1641	278.1064
	SD-28(242) y_1(-30)		GY-28(-13) YG-28(-13)	GY(17) YG(17)	a_2(-1.4)	DY-28(-9.3) b_2(-9.3)			GYG(-26)
303.2111	**307.1514**	**308.1209**	**312.1162**	**339.2372**	**347.2227**	**358.2045**	**363.2723**	**373.2439**	**376.2397**
y_2(-9.3)	YGN-28(37)	b_3(-10)							
392.2151	**403.2463**	**417.2600**	**420.2331**	**435.3162**	**438.3502**	**466.2823**	**501.7410**	**506.7570**	**512.7213**
GYGN(150)			y_7^{+2}(69)			SDYK-28(113) y_3(11)	y_8^{+2}(11)		
530.2445	**581.2932**	**588.2903**	**629.3963**	**668.3228**	**701.3809**	**765.3255**	**782.3714**	**822.3674**	**839.4033**
y_9^{+2}(-3.6)	y_4(-19)			y_5(-20)	a_7(131)	y_6-NH_3(-35)	y_6(-9.9)	y_7-NH_3(-8.1)	y_7(3.2)

[–] **Main Sequence Ions**

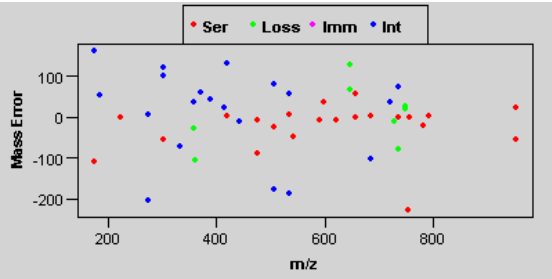
b	b^{+2}			y	y^{+2}
---	---	1	**S** 11	---	---
251.1026	---	2	**Y** 10	1222.5487	611.7780
308.1241	---	3	**G** 9	1059.4854	530.2463
471.1874	---	4	**Y** 8	1002.4639	501.7356
528.2089	---	5	**G** 7	839.4006	420.2039
642.2518	---	6	**N** 6	782.3791	391.6932
729.2838	---	7	**S** 5	668.3362	334.6717
844.3108	---	8	**D** 4	581.3042	291.1557
1007.3741	---	9	**Y** 3	466.2772	233.6423
1135.4691	568.2382	10	**K** 2	303.2139	152.1106
---	---	11	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKLEC(Carbamidomethyl)NGENDC(Carbamidomethyl)GDNSDER^{+3}



Max Intensity: **3.93**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **97.9%** Matched Series Intensity: **97.3%**



Sequence: SYKLEC(Carbamidomethyl)NGENDC(Carbamidomethyl)GDNSDER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C86 H133 N28 O40 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2262.9769	2261.8670	1131.9921	1131.4371	754.9972	754.6272

[–] Peak Matches

175.0999	187.0815	223.1074	254.1301	266.1468	275.0824	304.1446	333.0628	352.0810	355.0657
SD-28(163) y_1(-109)	GE(54)	a_2(-1.4)			C(Carbamidomethyl)N(5.6) YK-NH_3(-206)	C(Carbamidomethyl)NG-28(122) SDE-28(101) y_2(-56)	DC(Carbamidomethyl)G(-71) C(Carbamidomethyl)GD(-71)		
359.1331	**361.1485**	**363.1532**	**365.1129**	**369.1099**	**372.1202**	**390.1255**	**416.1510**	**419.1899**	**443.1299**
END(37) y_6-H_2O^{+2}(-29)	b_3-H_2O(-107)				NDC(Carbamidomethyl)-H_2O(62)	NDC(Carbamidomethyl)(45)	GEND(24)	NDC(Carbamidomethyl)G-28(133) C(Carbamidomethyl)GDN-28(133) y_3(3.4)	C(Carbamidomethyl)NGE-H_2O(-10) EC(Carbamidomethyl)NG-H_2O(-10)
476.6713	**506.2074**	**534.1916**	**541.2084**	**591.2049**	**598.2775**	**620.2590**	**647.3001**	**655.7686**	**684.2432**
y_8^{+2}(-7.5) b_8^{+2}(-88)	C(Carbamidomethyl)GDNS-28(81) y_4(-26) YKLE-28(-178)	NDC(Carbamidomethyl)GD-28(57) DC(Carbamidomethyl)GDN-28(57) C(Carbamidomethyl)GDNS(57) y_9^{+2}(6.1) YKLE(-188)	b_9^{+2}(-48)	y_{10}^{+2}(-8.3)	b_{10}^{+2}(36)	y_5(-7.2)	y_{11}-NH_3^{+2}(127) b_{11}-NH_3^{+2}(68)	y_{11}^{+2}(57) b_{11}^{+2}(-1.4)	y_{12}^{+2}(2.0) KLEC(Carbamidomethyl)NG-H_2O(-103)
719.2686	**727.2641**	**735.2909**	**748.6433**	**748.9671**	**753.1875**	**754.6273**	**781.3392**	**792.3141**	**952.3657**
NGENDC(Carbamidomethyl)G-28(38)	b_{12}-NH_3^{+2}(-10)	NDC(Carbamidomethyl)GDNS-28(74) y_6(0.70) a_6-H_2O(-80)	MH-H_2O^{+3}(26)	MH-NH_3^{+3}(21)	a_6(-229)	MH^{+3}(0.16)	b_6(-20)	y_7(2.9)	y_8(24) b_8(-56)

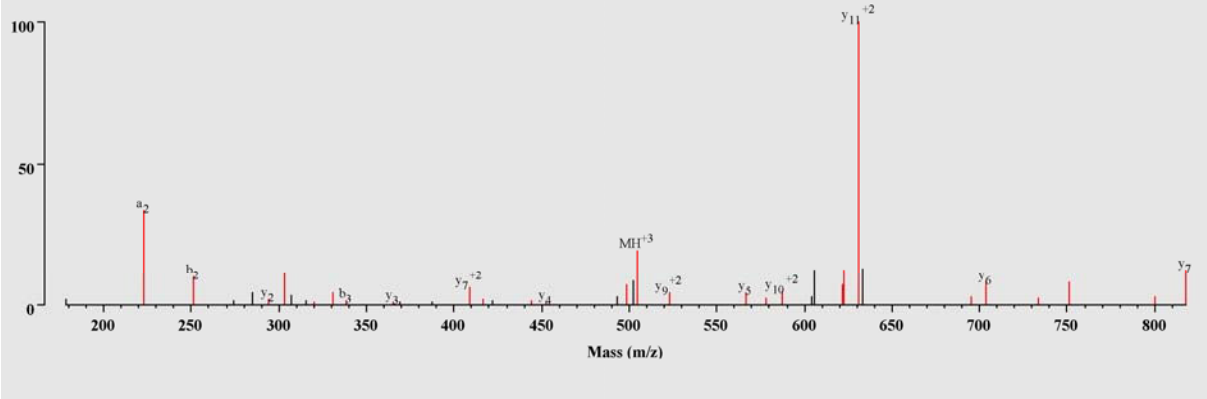
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	19	---	---
251.1026	---	2	**Y**	18	2174.8350	1087.9211
379.1976	190.1024	3	**K**	17	2011.7716	1006.3894
492.2817	246.6445	4	**L**	16	1883.6767	942.3420
621.3243	311.1658	5	**E**	15	1770.5926	885.7999
781.3549	391.1811	6	**C(Carbamidomethyl)**	14	1641.5500	821.2786
895.3978	448.2026	7	**N**	13	1481.5194	741.2633
952.4193	476.7133	8	**G**	12	1367.4764	684.2419

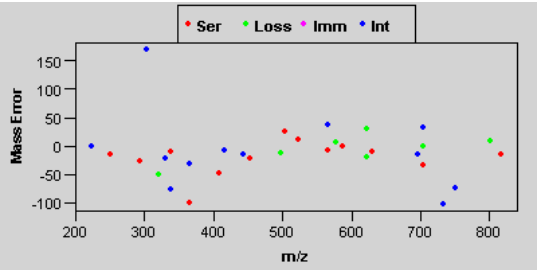
1081.4619	541.2346	9	**E**	11	1310.4550	655.7311
1195.5048	598.2560	10	**N**	10	1181.4124	591.2098
1310.5318	655.7695	11	**D**	9	1067.3694	534.1884
1470.5624	735.7848	12	**C(Carbamidomethyl)**	8	952.3425	476.6749
1527.5839	764.2956	13	**G**	7	792.3119	396.6596
1642.6108	821.8090	14	**D**	6	735.2904	368.1488
1756.6537	878.8305	15	**N**	5	620.2634	310.6354
1843.6858	922.3465	16	**S**	4	506.2205	253.6139
1958.7127	979.8600	17	**D**	3	419.1885	210.0979
2087.7553	1044.3813	18	**E**	2	304.1615	152.5844
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSENINHNSAFK^{+3}



Max Intensity: **28.4**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **82.7%** Matched Series Intensity: **81.2%**



Sequence SYSENINHNSAFK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C65 H96 N19 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1511.6004	1510.6921	756.3039	755.8497	504.5384	504.2355

[–] Peak Matches

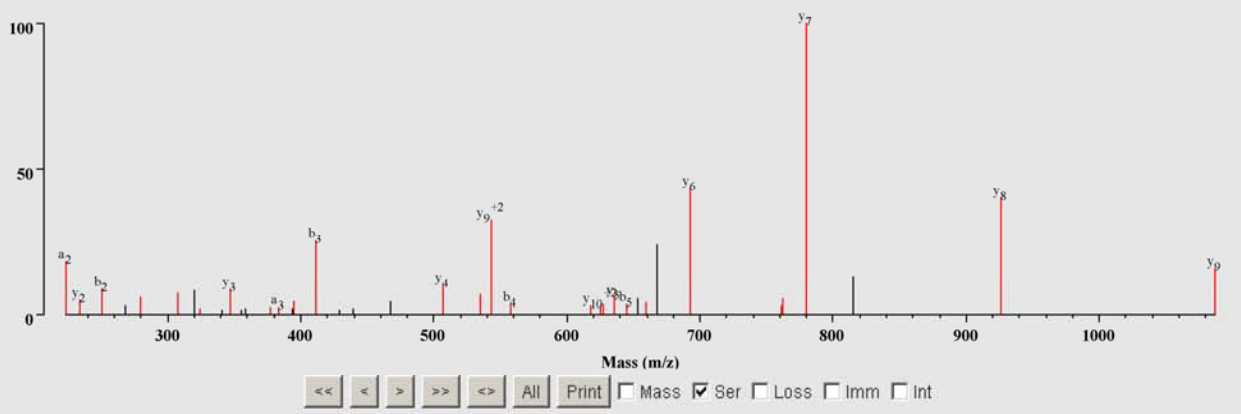
178.0834	223.1074	251.0988	274.1209	285.1748	294.1733	303.1814	307.1364	315.1503	320.1080
	a_2(-1.4) YS-28(-1.4)	YS(-15) b_2(-15)			y_2(-27)	SEN-28(170)			b_3-H_2O(-50)
331.1171	**338.1311**	**365.1816**	**369.2136**	**387.1628**	**409.1810**	**416.2108**	**422.1640**	**444.2025**	**452.2400**
SEN(-23)	b_3(-11) NHN-28(-77)	INH(-32) y_3(-101)			y_7^{+2}(-49)	SENI-28(-7.6)		SENI(-14)	y_4(-23)
493.2184	**498.2256**	**502.2818**	**504.2480**	**522.7704**	**566.2887**	**578.2848**	**587.2852**	**604.2725**	**605.8207**
	MH-H_2O^{+3}(-13)		MH^{+3}(25)	y_9^{+2}(11)	INHNS(36) y_5(-8.1)	y_{10}-H_2O^{+2}(7.1)	y_{10}^{+2}(-1.4)		
621.8147	**622.2761**	**630.7957**	**633.2943**	**695.3003**	**703.3275**	**733.2621**	**751.2925**	**800.3761**	**817.3837**
y_{11}-H_2O^{+2}(29)	y_{11}-NH_3^{+2}(-20)	y_{11}^{+2}(-10)		SENINH(-15)	YSENIN-H_2O(33) y_{12}-H_2O^{+2}(-1.3) y_6(-35)	NINHNSA-H_2O(-103)	NINHNSA(-74)	y_7-NH_3(9.4)	y_7(-14)

[–] Main Sequence Ions

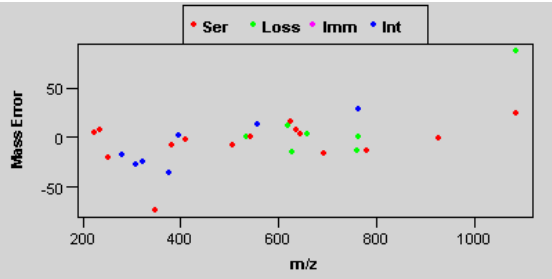
b	b^{+2}			y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1423.6601	712.3337
338.1347	---	3	S	11	1260.5967	630.8020
467.1773	---	4	E	10	1173.5647	587.2860
581.2202	---	5	N	9	1044.5221	522.7647
694.3042	---	6	I	8	930.4792	465.7432
808.3472	---	7	N	7	817.3951	409.2012
945.4061	473.2067	8	H	6	703.3522	352.1797
1059.4490	530.2281	9	N	5	566.2933	283.6503
1146.4810	573.7442	10	S	4	452.2504	226.6288
1217.5182	609.2627	11	A	3	365.2183	183.1128
1364.5866	682.7969	12	F	2	294.1812	147.5942
---	---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)FSGQC(Carbamidomethyl)ISK^{+2}



Max Intensity: **15.8**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **83.7%** Matched Series Intensity: **83.5%**



Sequence: SYC(Carbamidomethyl)FSGQC(Carbamidomethyl)ISK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H86 N15 O19 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1337.1945	1336.5660	669.1010	668.7867

[–] Peak Matches

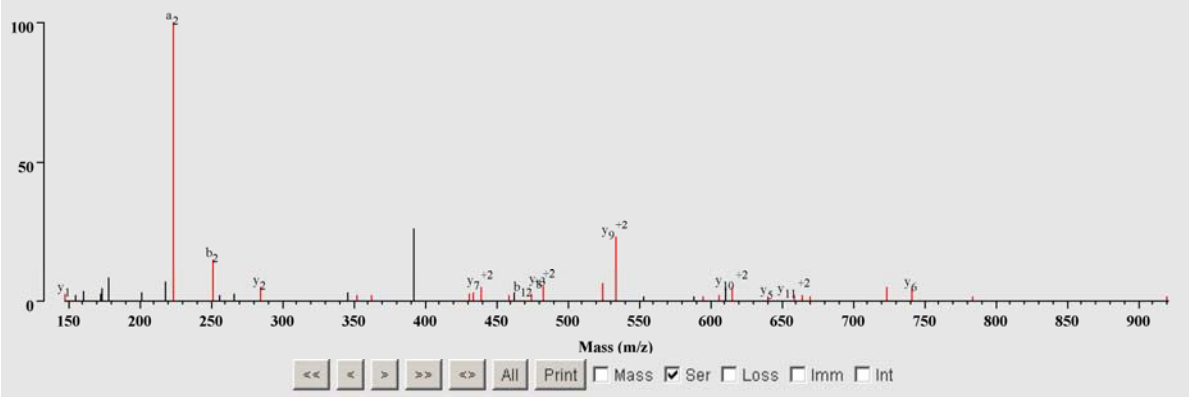
223.1088	234.1466	251.0973	268.1239	280.1067	308.0976	320.1165	324.0932	341.0055	347.2033
a_2(4.8)	y_2(7.5)	b_2(-21)		C(Carbamidomethyl)F-28(-17)	C(Carbamidomethyl)F(-28)		YC(Carbamidomethyl)(-25)		y_3(-74)
355.0604	**359.0308**	**377.1141**	**383.1356**	**394.1200**	**395.1391**	**411.1324**	**429.0864**	**439.2035**	**467.1963**
		C(Carbamidomethyl)FS-H_2O(-36)	a_3(-7.2)		C(Carbamidomethyl)FS(1.9)	b_3(-2.1)			
507.2557	**534.7342**	**543.7392**	**558.2090**	**618.2993**	**625.2807**	**627.2136**	**635.3229**	**645.2359**	**652.7954**
y_4(-7.6)	y_9-H_2O^{+2}(0.95)	y_9^{+2}(0.41)	b_4(13) YC(Carbamidomethyl)FS(13)	y_5-NH_3(12)	y_{10}^{+2}(16)	b_5-H_2O(-15)	y_5(7.5)	b_5(3.4)	
659.7836	**667.3224**	**667.8017**	**692.3285**	**761.3505**	**762.3459**	**779.3609**	**815.4392**	**926.4398**	**1086.4977**
MH-H_2O^{+2}(3.4)			y_6(-16)	y_7-H_2O(-14)	FSGQC(Carbamidomethyl)IS-H_2O(29) y_7-NH_3(1.1)	y_7(-14)		y_8(-0.25)	YC(Carbamidomethyl)FSGQC(Carbamidomethyl)IS-NH_3(88) b_9-NH_3(88) y_9(25)

[–] Main Sequence Ions

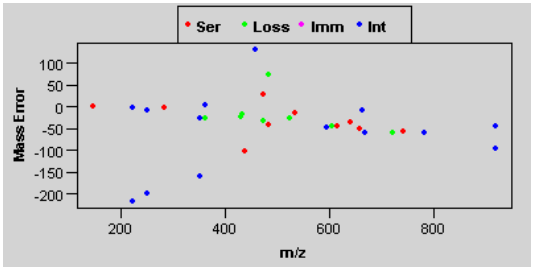
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1249.5340	625.2706
411.1333	3	C(Carbamidomethyl)	9	1086.4707	543.7390
558.2017	4	F	8	926.4400	463.7237
645.2337	5	S	7	779.3716	390.1894
702.2552	6	G	6	692.3396	346.6734
830.3138	7	Q	5	635.3181	318.1627
990.3444	8	C(Carbamidomethyl)	4	507.2595	254.1334
1103.4285	9	I	3	347.2289	174.1181
1190.4605	10	S	2	234.1448	117.5761
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYTSHTNEIHK^{+4}



Max Intensity: **125**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **72.9%** Matched Series Intensity: **74.1%**



Sequence SYSYTSHTNEIHK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H100 N19 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1567.6650	1566.7183	784.3362	783.8628	523.2266	522.9110	392.6718	392.4350

[–] Peak Matches

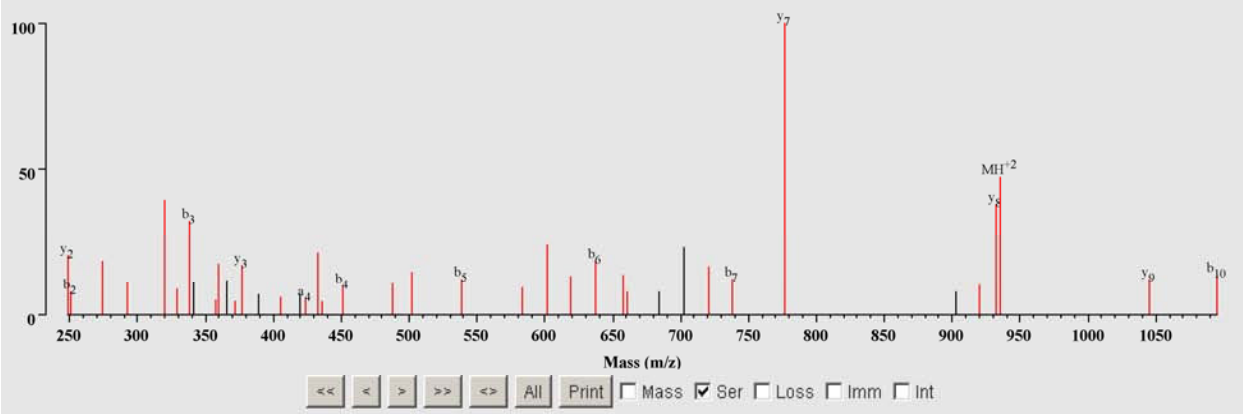
147.1129	155.1100	160.0781	172.1337	173.1272	178.0869	201.1240	218.1367	223.1069	251.1006
y_1(0.65)								a_2(-3.7) YS-28(-3.7) SY-28(-3.7) IH-28(-217)	b_2(-8.1) YS(-8.1) SY(-8.1) IH(-198)
256.0812	**266.1567**	**284.1709**	**346.1119**	**352.1416**	**362.1836**	**392.2359**	**430.7123**	**433.5352**	**439.6831**
		y_2(-2.9)		YTS(-25) SYT(-25) EIH-28(-160)	EIH-H_2O(3.6) y_6-H_2O^{+2}(-26)		y_7-H_2O^{+2}(-23)	y_{11}-H_2O^{+3}(-16)	y_7^{+2}(-101)
458.2845	**462.7401**	**474.2226**	**483.2233**	**524.7486**	**533.7596**	**553.2509**	**588.2814**	**595.2544**	**606.2674**
TNEI(131)		b_{12}^{+3}(28) y_8-H_2O^{+2}(-33)	b_4-H_2O(74) y_8^{+2}(-42)	y_9-H_2O^{+2}(-26)	y_9^{+2}(-15)			HTNEI(-49) TNEIH(-49)	y_{10}-H_2O^{+2}(-44)
610.2609	**615.2717**	**640.3192**	**658.7816**	**664.2996**	**670.2398**	**723.3360**	**741.3470**	**783.3165**	**920.3333**
	y_{10}^{+2}(-45)	y_5(-35)	y_{11}^{+2}(-51)	SHTNEI-H_2O(-8.0)	TSHTNE(-59)	y_6-H_2O(-59)	y_6(-57)	TSHTNEI(-60)	SYTSHTNE(-45) TSHTNEIH(-96)

[–] Main Sequence Ions

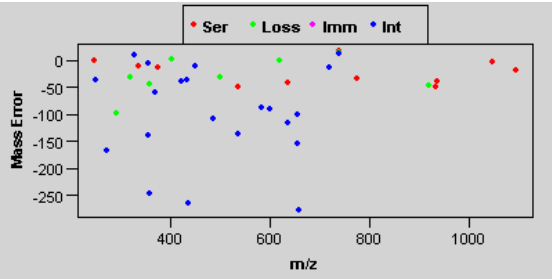
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1479.6863	740.3468
338.1347	---	3	S	11	1316.6230	658.8151
501.1980	---	4	Y	10	1229.5909	615.2991
602.2457	---	5	T	9	1066.5276	533.7674
689.2777	---	6	S	8	965.4799	483.2436
826.3366	413.6719	7	H	7	878.4479	439.7276
927.3843	464.1958	8	T	6	741.3890	371.1981
1041.4272	521.2172	9	N	5	640.3413	320.6743
1170.4698	585.7385	10	E	4	526.2984	263.6528
1283.5539	642.2806	11	I	3	397.2558	199.1315
1420.6128	710.8100	12	H	2	284.1717	142.5895
---	---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSISVTSIRPC(Carbamidomethyl)AAETQ^{+2}



Max Intensity: **3.01**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **88.9%** Matched Series Intensity: **88.0%**



Sequence: SYSISVTSIRPC(Carbamidomethyl)AAETQ
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H129 N22 O29 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1870.9235	1869.9011	935.9655	935.4542

[–] Peak Matches

248.1239	251.0937	274.0938	292.1002	320.1143	329.1304	338.1306	341.1466	357.1748	359.1398
y_2(-0.79)	b_2(-36) YS(-36)	AET-28(-168)	a_3-H_2O(-99)	b_3-H_2O(-31)	PC(Carbamidomethyl)A(7.9)	b_3(-12)		SVTS-H_2O(-5.8) SIR(-139)	y_3-H_2O(-45) SISV-28(-248)
366.1279	**372.1472**	**377.1615**	**389.1746**	**405.2137**	**419.1819**	**423.2068**	**433.1917**	**436.1517**	**451.2138**
	PC(Carbamidomethyl)AA-28(-61)	y_3(-14)		a_4-H_2O(1.1)		a_4(-40) YSIS-28(-40)	b_4-H_2O(-38) YSIS-H_2O(-38)	SIRP-H_2O(-264)	b_4(-11) YSIS(-11)
488.2176	**502.1989**	**538.2244**	**583.2940**	**601.3004**	**619.3072**	**637.2929**	**657.2481**	**660.2094**	**684.3178**
ISVTS(-110) SVTSI(-110) SISVT(-110)	y_5-NH_3(-31)	b_5(-49) TSIRP-NH_3(-137)	ISVTSI-H_2O(-87)	ISVTSI(-92)	b_6-H_2O(-2.3)	b_6(-41) VTSIRP-NH_3(-116)	RPC(Carbamidomethyl)AAE-28(-100) SIRPC(Carbamidomethyl)A-28(-155)	SISVTSI-28(-278)	
702.3492	**720.3457**	**738.3796**	**776.2972**	**902.4015**	**920.4293**	**932.3792**	**935.4164**	**1045.5044**	**1094.5634**
	b_7-H_2O(-15) YSISVTS-H_2O(-15)	YSISVTS(17) b_7(17) b_{14}-H_2O^{+2}(14) SIRPC(Carbamidomethyl)AA-H_2O(11)	y_7(-35)		b_9-H_2O(-47)	y_8(-50)	MH^{+2}(-40)	y_9(-4.9)	b_{10}(-19)

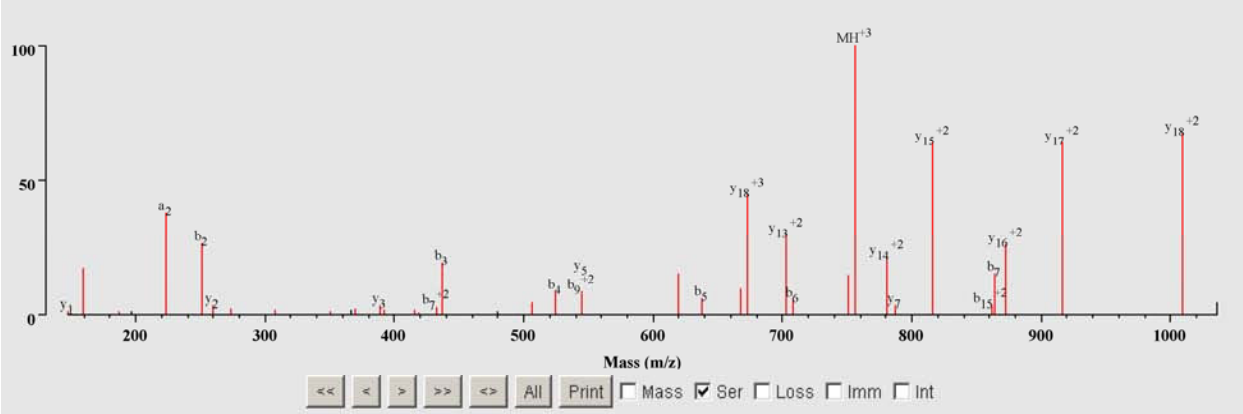
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1782.8691	891.9382
338.1347	---	3	S	15	1619.8057	810.4065
451.2187	---	4	I	14	1532.7737	766.8905
538.2508	---	5	S	13	1419.6897	710.3485
637.3192	---	6	V	12	1332.6576	666.8325
738.3668	---	7	T	11	1233.5892	617.2982
825.3989	---	8	S	10	1132.5415	566.7744
938.4829	---	9	I	9	1045.5095	523.2584
1094.5840	547.7957	10	R	8	932.4254	466.7164
1191.6368	596.3220	11	P	7	776.3243	---
1351.6675	676.3374	12	C(Carbamidomethyl)	6	679.2716	---

1422.7046	711.8559	13	**A**	5	519.2409	---
1493.7417	747.3745	14	**A**	4	448.2038	---
1622.7843	811.8958	15	**E**	3	377.1667	---
1723.8320	862.4196	16	**T**	2	248.1241	---
---	---	17	**Q**	1	147.0764	---

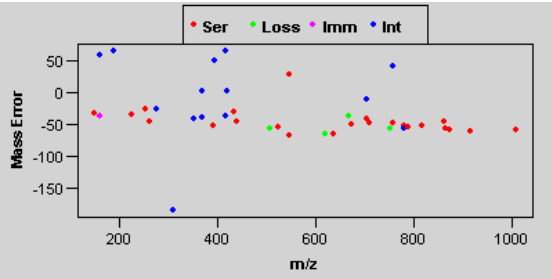
[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYWSLARPQGSC(Carbamidomethyl)SLEGVEIK^{+3}



Max Intensity: **42.6**

Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **93.5%** Matched Series Intensity: **91.9%**



Sequence: SYWSLARPQGSC(Carbamidomethyl)SLEGVEIK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300

Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C99 H156 N27 O32 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2268.4039	2267.1125	1134.7057	1134.0599	756.8062	756.3757

[–] Peak Matches

147.1078	159.0858	187.0833	197.1235	223.1000	251.0959	260.1850	274.1116	308.1144	350.1350
y_1(-34)	EG-28(59) W(-37)	EG(64)		a_2(-35)	b_2(-27)	y_2(-46)	WS(-26)	ARP-NH_3(-186)	YW(-43)
366.2052	**369.1777**	**389.2193**	**392.1430**	**415.1666**	**419.1717**	**432.7087**	**437.1613**	**479.1697**	**506.1748**
	SLEG-H_2O(2.3) WSL-H_2O(-39)	y_3(-52)	GSC(Carbamidomethyl)S(50)	QGSC(Carbamidomethyl)-H_2O(65) EGVE(-38)	b_3-H_2O(0.76) YWS-H_2O(0.76)	b_7^{+2}(-30)	YWS(-47) b_3(-47)		b_4-H_2O(-57)
524.1856	**545.2923**	**619.2475**	**637.2561**	**667.3101**	**672.9767**	**702.3158**	**708.3006**	**750.3287**	**755.9569**
b_4(-54)	b_9^{+2}(27) y_5(-68)	b_5-H_2O(-65)	b_5(-66)	y_{18}-NH_3^{+3}(-37)	y_{18}^{+3}(-50)	PQGSC(Carbamidomethyl)SL-28(-12) y_{13}^{+2}(-42)	b_6(-49)	MH-H_2O^{+3}(-58)	
756.3394	**780.3549**	**787.4136**	**815.8717**	**861.8591**	**864.3865**	**872.4044**	**915.9170**	**1008.9515**	**1035.3654**
RPQGSC(Carbamidomethyl)S-NH_3(40) MH^{+3}(-48)	y_{14}^{+2}(-53) SLARPQGS-NH_3(-58)	y_7(-54)	y_{15}^{+2}(-52)	b_{15}^{+2}(-46)	b_7(-58)	y_{16}^{+2}(-60)	y_{17}^{+2}(-61)	y_{18}^{+2}(-60)	

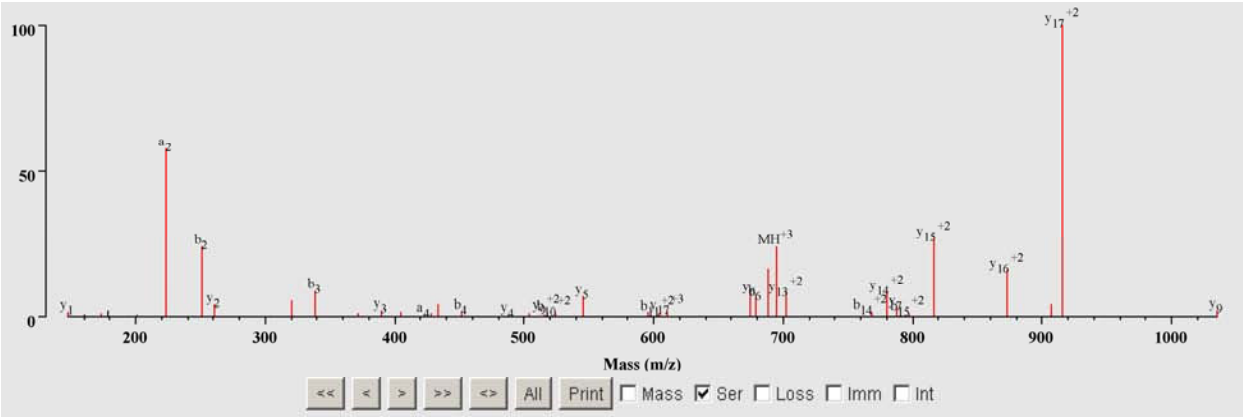
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	20	---	---
251.1026	---	2	**Y**	19	2180.0805	1090.5439
437.1819	---	3	**W**	18	2017.0171	1009.0122
524.2140	---	4	**S**	17	1830.9378	915.9725
637.2980	---	5	**L**	16	1743.9058	872.4565
708.3352	---	6	**A**	15	1630.8217	815.9145
864.4363	432.7218	7	**R**	14	1559.7846	780.3959
961.4890	481.2482	8	**P**	13	1403.6835	702.3454
1089.5476	545.2774	9	**Q**	12	1306.6307	653.8190
1146.5691	573.7882	10	**G**	11	1178.5722	589.7897
1233.6011	617.3042	11	**S**	10	1121.5507	561.2790
1393.6317	697.3195	12	**C(Carbamidomethyl)**	9	1034.5187	517.7630
1480.6638	740.8355	13	**S**	8	874.4880	437.7477
1593.7478	797.3776	14	**L**	7	787.4560	394.2316
1722.7904	861.8989	15	**E**	6	674.3719	337.6896

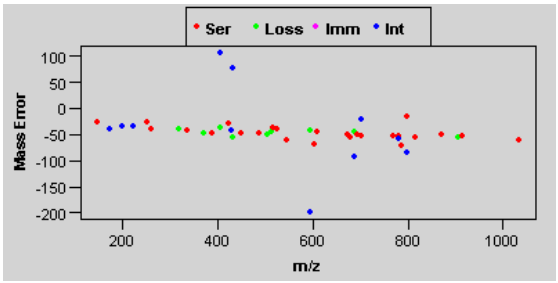
1779.8119	890.4096	16	**G**	5	545.3293	273.1683
1878.8803	939.9438	17	**V**	4	488.3079	244.6576
2007.9229	1004.4651	18	**E**	3	389.2395	195.1234
2121.0070	1061.0071	19	**I**	2	260.1969	130.6021
---	---	20	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLARPQGSC(Carbamidomethyl)SLEGVEIK^{+3}



Max Intensity: **261**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.2%** Matched Series Intensity: **99.4%**



Sequence: SYSLARPQGSC(Carbamidomethyl)SLEGVEIK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C88 H146 N25 O31 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2082.1891	2081.0332	1041.5983	1041.0202	694.7347	694.3492

[–] Peak Matches

147.1089	160.0733	173.1215	178.0814	201.1164	223.1000	251.0959	260.1866	320.1116	338.1200
y_1(-27)		SL-28(-40)		SL(-35) VE-28(-35)	a_2(-35) YS-28(-35)	YS(-27) b_2(-27)	y_2(-39)	b_3-H_2O(-39)	b_3(-43)
371.2116	**389.2212**	**405.1980**	**423.2116**	**428.2436**	**433.1833**	**451.1966**	**488.2843**	**504.2200**	**515.2365**
GVEI-28(-47) LEGV-28(-47) y_3-H_2O(-47)	y_3(-47)	QGSC(Carbamidomethyl)-28(106) a_4-H_2O(-38)	a_4(-29)	SLAR(-42)	QGSC(Carbamidomethyl)(77) b_4-H_2O(-57)	b_4(-49)	y_4(-48)	b_5-H_2O(-50)	b_{10}-H_2O^{+2}(-44)
517.7443	**524.2441**	**545.2967**	**595.2488**	**604.2390**	**610.9574**	**674.3375**	**678.3197**	**688.3141**	**694.3135**
y_9^{+2}(-36)	b_{10}^{+2}(-39)	y_5(-60)	b_{11}-H_2O^{+2}(-43) LARPQG-28(-199)	b_{11}^{+2}(-68)	y_{17}^{+3}(-44)	y_6(-51)	b_6(-55)	MH-H_2O^{+3}(-46) YSLARP(-92)	MH^{+3}(-51)
702.3087	**768.8184**	**780.3549**	**787.4003**	**797.3583**	**815.8690**	**872.4128**	**906.9171**	**915.9227**	**1034.4551**
PQGSC(Carbamidomethyl)SL-28(-22) y_{13}^{+2}(-52)	b_{14}^{+2}(-53)	y_{14}^{+2}(-53) SLARPQGS-NH_3(-58)	y_7(-71)	b_{15}^{+2}(-15) SLARPQGS(-85)	y_{15}^{+2}(-56)	y_{16}^{+2}(-50)	y_{17}-H_2O^{+2}(-55)	y_{17}^{+2}(-54)	y_9(-61)

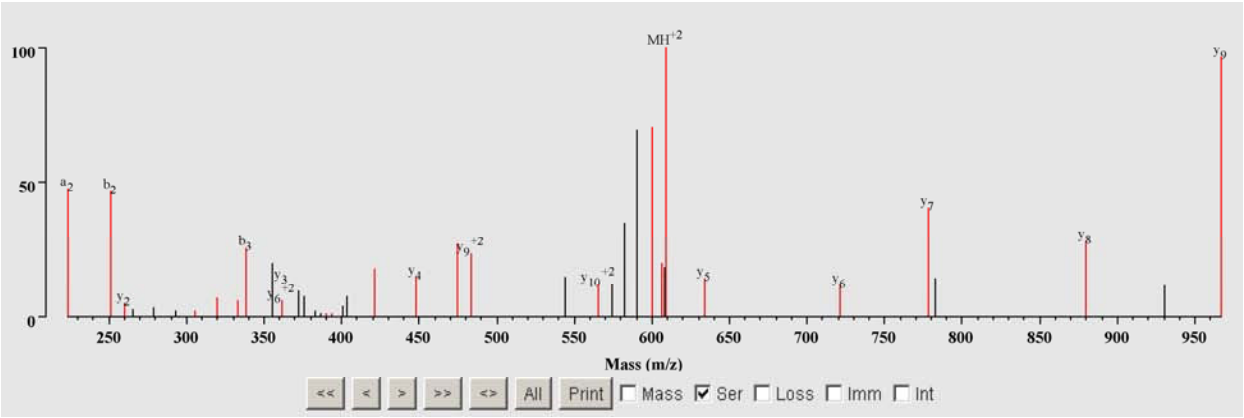
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	19	---	---
251.1026	---	2	Y	18	1994.0012	997.5042
338.1347	---	3	S	17	1830.9378	915.9725
451.2187	---	4	L	16	1743.9058	872.4565
522.2558	---	5	A	15	1630.8217	815.9145
678.3570	339.6821	6	R	14	1559.7846	780.3959
775.4097	388.2085	7	P	13	1403.6835	702.3454
903.4683	452.2378	8	Q	12	1306.6307	653.8190
960.4898	480.7485	9	G	11	1178.5722	589.7897
1047.5218	524.2645	10	S	10	1121.5507	561.2790
1207.5524	604.2799	11	C(Carbamidomethyl)	9	1034.5187	517.7630
1294.5845	647.7959	12	S	8	874.4880	437.7477
1407.6685	704.3379	13	L	7	787.4560	394.2316
1536.7111	768.8592	14	E	6	674.3719	337.6896
1593.7326	797.3699	15	G	5	545.3293	273.1683
1692.8010	846.9041	16	V	4	488.3079	244.6576
1821.8436	911.4254	17	E	3	389.2395	195.1234

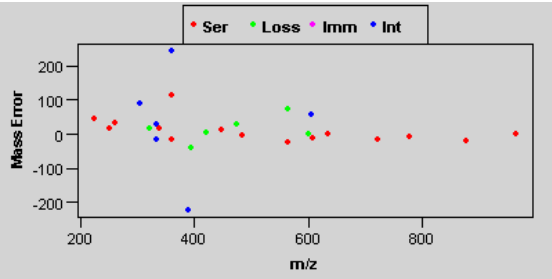
1934.9277	967.9675	18	**I**	2	260.1969	130.6021
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTGSWSTLK^{+2}



Max Intensity: **2.43**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **72.6%** Matched Series Intensity: **65.8%**



Sequence: SYSTGSWSTLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H82 N13 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1217.3288	1216.5844	609.1681	608.7959

[–] Peak Matches

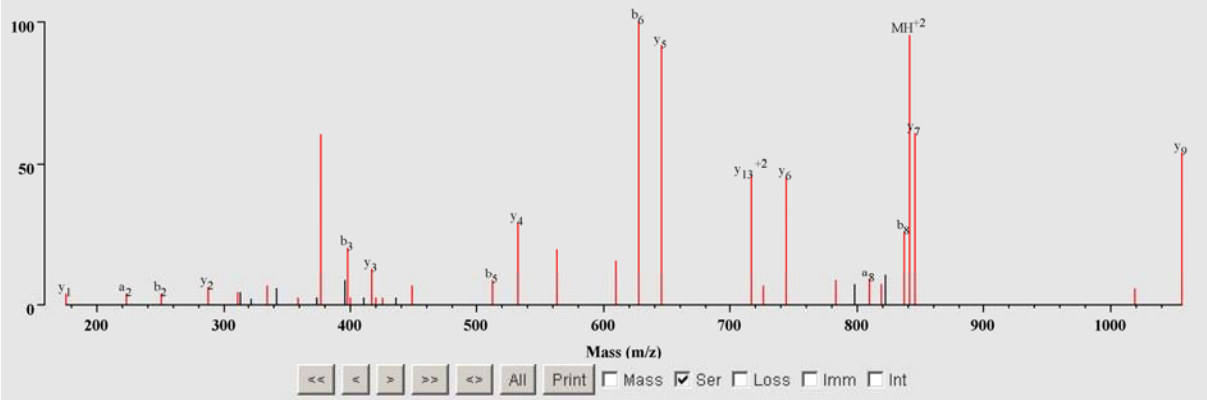
223.1179	251.1070	260.2054	265.1010	279.1550	293.1002	305.1726	320.1297	333.1503	338.1401
YS-28(46) a_2(46)	YS(17) b_2(17)	y_2(33)				STGS-28(89)	b_3-H_2O(18)	STGS(29) SWS-28(-16)	b_3(16)
355.0831	**361.2388**	**372.2320**	**376.1313**	**383.2567**	**386.1523**	**390.0900**	**393.1614**	**400.7790**	**403.1469**
	SWS(244) y_6^{+2}(114) y_3(-16)					GSWS-28(-223)	a_4-H_2O(-39)		
421.1733	**448.2816**	**474.7557**	**483.7471**	**543.7461**	**565.2657**	**574.2382**	**582.3194**	**590.7906**	**599.7910**
b_4-H_2O(3.6)	y_4(11)	y_9-H_2O^{+2}(27)	y_9^{+2}(-2.2)		b_6-H_2O(72) y_{10}^{+2}(-25)				MH-H_2O^{+2}(0.70)
606.2865	**607.7671**	**608.7894**	**634.3572**	**721.3761**	**778.4031**	**782.4693**	**879.4394**	**930.4723**	**966.4909**
STGSWS(57)		MH^{+2}(-11)	y_5(2.1)	y_6(-16)	y_7(-8.1)		y_8(-20)		y_9(1.9)

[–] Main Sequence Ions

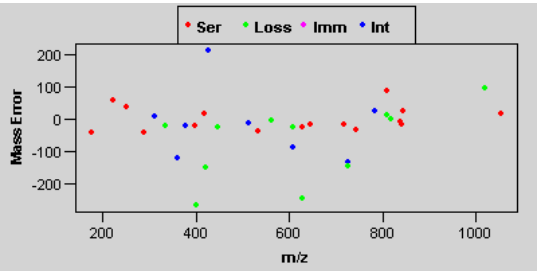
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1129.5524	565.2798
338.1347	3	S	966.4891	483.7482
439.1823	4	T	879.4571	440.2322
496.2038	5	G	778.4094	389.7083
583.2358	6	S	721.3879	361.1976
769.3151	7	W	634.3559	317.6816
856.3472	8	S	448.2766	224.6419
957.3949	9	T	361.2445	181.1259
1070.4789	10	L	260.1969	130.6021
---	11	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)GGDPITVIDEIR^{+2}



Max Intensity: **1.79**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **94.2%** Matched Series Intensity: **93.4%**



Sequence: SYM(Oxidation)GGDPITVIDEIR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H117 N18 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1682.7397	1681.8102	841.8736	841.4087

[–] Peak Matches

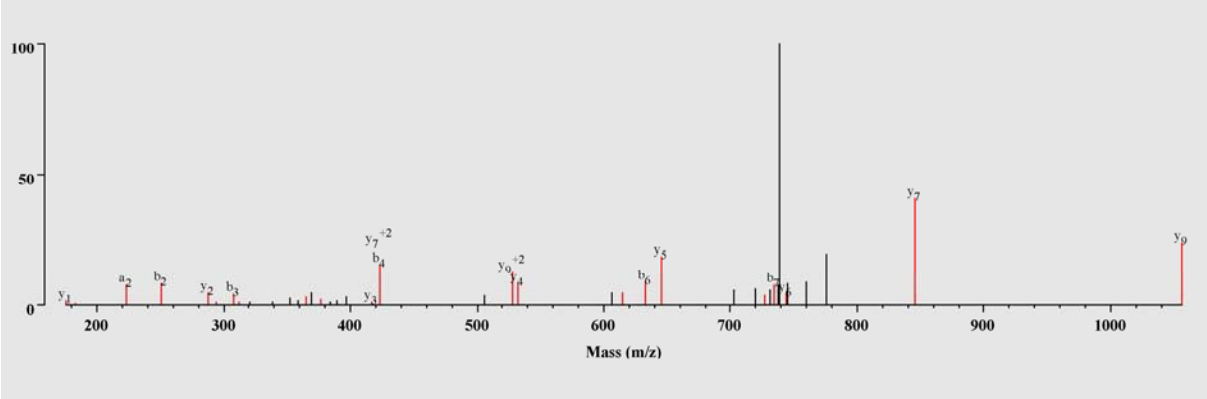
175.1112	223.1201	251.1123	288.1909	311.1087	313.1086	322.1366	334.1329	342.1618	359.0577
y_1(-44)	a_2(55)	b_2(38)	y_2(-42)	YM(Oxidation)(8.7)			b_3-$SOCH_4$(-20)		M(Oxidation)GGD-H_2O(-123)
373.1836	**377.1049**	**396.1144**	**398.1288**	**400.1124**	**410.1274**	**417.2523**	**420.1245**	**425.2385**	**436.1994**
	M(Oxidation)GGD(-20)		b_3(-23)	y_3-NH_3(-267)		y_3(16)	a_5-$SOCH_4$(-151)	YM(Oxidation)GG(211)	
448.1711	**512.1749**	**532.2529**	**563.2071**	**609.1801**	**627.1922**	**645.3441**	**716.3473**	**726.3072**	**744.3995**
b_5-$SOCH_4$(-26)	b_5(-12) YM(Oxidation)GGD-28(-12)	y_4(-37)	b_6-$SOCH_4$(-4.5)	b_6-H_2O(-28) YM(Oxidation)GGDP-28(-88)	b_6(-25) y_5-H_2O(-245)	y_5(-19)	y_{13}^{+2}(-19)	DPITVID-28(-132) y_6-H_2O(-148)	y_6(-34)
783.4440	**798.3610**	**809.4203**	**819.3333**	**822.3651**	**837.3369**	**841.3926**	**845.4940**	**1019.5481**	**1055.6241**
GDPITVID-28(25)		a_8(87) MH-$SOCH_4^{+2}$(13)	b_8-H_2O(-1.1)		b_8(-9.4)	MH^{+2}(-19)	y_7(25)	b_{10}-H_2O(96)	y_9(14)

[–] Main Sequence Ions

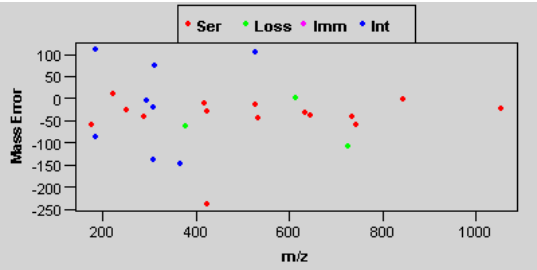
b				y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1594.7781	797.8927
398.1380	3	M(Oxidation)	13	1431.7148	716.3610
455.1595	4	G	12	1284.6794	642.8433
512.1810	5	G	11	1227.6579	614.3326
627.2079	6	D	10	1170.6365	585.8219
724.2607	7	P	9	1055.6095	528.3084
837.3447	8	I	8	958.5568	479.7820
938.3924	9	T	7	845.4727	423.2400
1037.4608	10	V	6	744.4250	372.7162
1150.5449	11	I	5	645.3566	323.1819
1265.5718	12	D	4	532.2726	266.6399
1394.6144	13	E	3	417.2456	209.1264
1507.6985	14	I	2	288.2030	144.6051
---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGDPITVIDEIR^{+2}



Max Intensity: **4.14**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **49.8%** Matched Series Intensity: **49.8%**



Sequence SYGDPITVIDEIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C65 H105 N16 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1478.6520	1477.7533	739.8297	739.3803

[–] **Peak Matches**

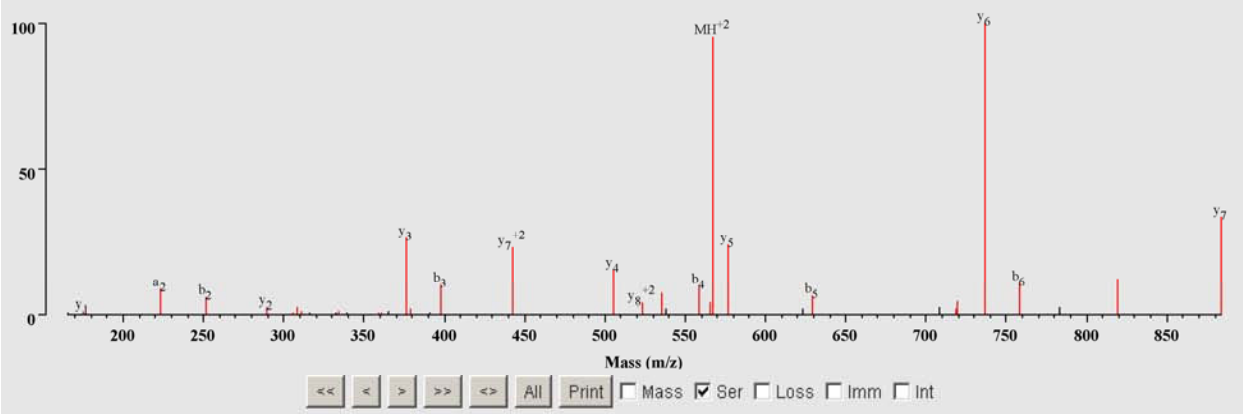
175.1087	**183.1332**	**223.1102**	**251.0958**	**288.1909**	**294.1798**	**308.1176**	**312.2149**	**320.1436**	**338.1398**
y_1(-59)	TV-H_2O(111) PI-28(-87)	a_2(11)	b_2(-27)	y_2(-42)	PIT-H_2O(-4.8)	b_3(-21) YGD-28(-21) DPI-H_2O(-139)	PIT(74)		
352.2143	**359.2102**	**365.1274**	**369.1827**	**377.1215**	**384.1683**	**389.1824**	**397.1945**	**417.2407**	**423.1389**
		GDPI-H_2O(-149)		a_4-H_2O(-64)				y_3(-12)	b_4(-29) y_7^{+2}(-239)
505.7901	**528.3013**	**532.2485**	**606.3171**	**615.2787**	**633.2681**	**645.3321**	**702.3263**	**719.4083**	**727.3202**
	YGDPI-H_2O(106) y_9^{+2}(-13)	y_4(-45)		b_6-H_2O(2.3)	b_6(-31)	y_5(-38)			y_6-NH_3(-108)
731.3744	**734.3056**	**737.4021**	**738.8756**	**744.3814**	**745.4044**	**759.3304**	**775.4293**	**845.4719**	**1055.5841**
	b_7(-41)			y_6(-59)				y_7(-0.96)	y_9(-24)

[–] **Main Sequence Ions**

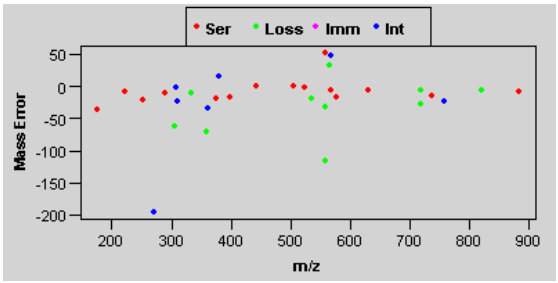
b			y	y^{+2}
---	1	**S** 13	---	---
251.1026	2	**Y** 12	1390.7213	695.8643
308.1241	3	**G** 11	1227.6579	614.3326
423.1510	4	**D** 10	1170.6365	585.8219
520.2038	5	**P** 9	1055.6095	528.3084
633.2879	6	**I** 8	958.5568	479.7820
734.3355	7	**T** 7	845.4727	423.2400
833.4040	8	**V** 6	744.4250	372.7162
946.4880	9	**I** 5	645.3566	323.1819
1061.5150	10	**D** 4	532.2726	266.6399
1190.5576	11	**E** 3	417.2456	209.1264
1303.6416	12	**I** 2	288.2030	144.6051
---	13	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)C(Carbamidomethyl)AESNR^{+2}



Max Intensity: **24.6**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **96.6%** Matched Series Intensity: **95.6%**



Sequence: SYM(Oxidation)C(Carbamidomethyl)AESNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C43 H69 N14 O18 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1133.9120	1133.4350	567.4597	567.2211

[–] Peak Matches

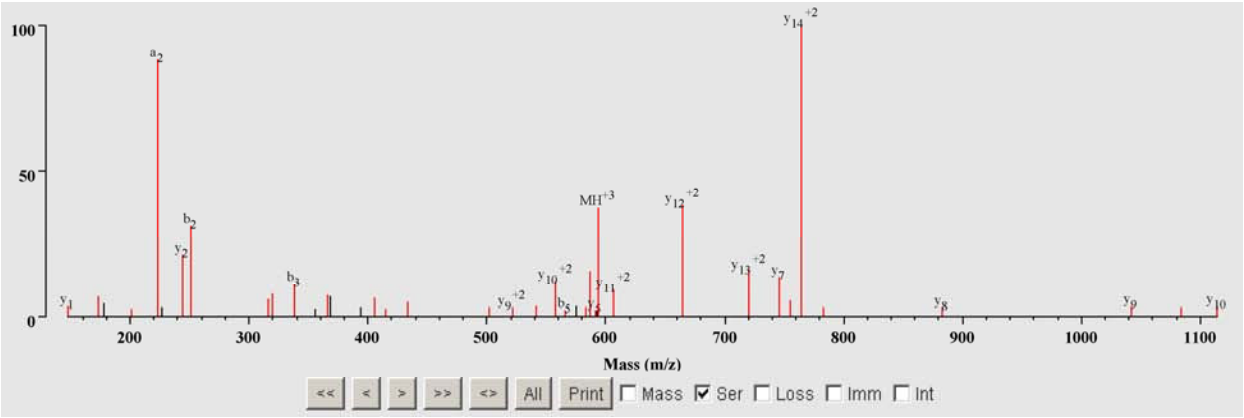
165.0702	175.1124	223.1060	251.0973	270.0554	289.1591	306.1254	308.0727	311.0987	316.1323
	y_1(-37)	a_2(-7.7)	b_2(-21)	AES-H_2O(-196)	y_2(-9.6)	a_3-$SOCH_4$(-63)	M(Oxidation)C(Carbamidomethyl)(-2.0)	YM(Oxidation)(-23)	
332.1341	**334.1363**	**339.0942**	**359.1420**	**361.1053**	**365.0804**	**373.1287**	**376.1865**	**379.1166**	**391.1698**
	b_3-$SOCH_4$(-10)		y_3-NH_3(-71)	C(Carbamidomethyl)AE(-34)			y_3(-20)	M(Oxidation)C(Carbamidomethyl)A(16)	
398.1307	**442.1740**	**505.2368**	**523.7035**	**535.2115**	**538.1959**	**558.1978**	**565.2260**	**567.2170**	**576.2630**
b_3(-18)	y_7^{+2}(1.2)	y_4(0.59)	y_8^{+2}(-3.1)	MH-$SOCH_4^{+2}$(-20)		b_4(52) MH-H_2O^{+2}(-32) y_5-H_2O(-117)	b_5-$SOCH_4$(33)	M(Oxidation)C(Carbamidomethyl)AES-28 (47) MH^{+2}(-7.3)	y_5(-18)
623.2162	**629.2016**	**708.2359**	**718.2739**	**719.2737**	**736.2922**	**758.2302**	**783.3222**	**819.3360**	**883.3327**
	b_5(-6.7)		y_6-H_2O(-28)	y_6-NH_3(-5.6)	y_6(-16)	b_6(-24) YM(Oxidation)C(Carbamidomethyl)AES(-24)		y_7-$SOCH_4$(-6.6)	y_7(-7.9)

[–] Main Sequence Ions

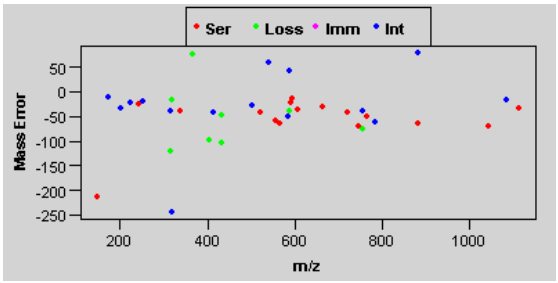
b			y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	1046.4030	523.7051
398.1380	3	M(Oxidation)	7	883.3397	442.1735
558.1687	4	C(Carbamidomethyl)	6	736.3043	368.6558
629.2058	5	A	5	576.2736	288.6404
758.2484	6	E	4	505.2365	253.1219
845.2804	7	S	3	376.1939	188.6006
959.3233	8	N	2	289.1619	145.0846
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSIDVAC(Carbamidomethyl)HPGYALPK^{+3}



Max Intensity: **39.4**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **94.9%** Matched Series Intensity: **94.2%**



Sequence: SYSIDVAC(Carbamidomethyl)HPGYALPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H121 N20 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1778.8716	1777.8578	889.9395	889.4325	593.6288	593.2908

[–] Peak Matches

147.0814	173.1265	178.0826	201.1164	223.1028	226.1495	244.1592	251.0974	316.1381	320.1184
y_1(-213)	SI-28(-11)		SI(-35) ID-28(-35)	a_2(-22) YS-28(-22)		y_2(-26)	b_2(-21) YS(-21)	SID(-39) y_6-NH_3^{+2}(-120)	b_3-H_2O(-18) YAL-28(-245)
338.1218	**355.0557**	**366.2070**	**368.2200**	**394.1790**	**405.1732**	**415.2013**	**433.1872**	**502.2519**	**521.7379**
b_3(-38)		y_{10}-NH_3^{+3}(75)			GYAL(-99) a_4-H_2O(-99)	SIDV(-42)	b_4-H_2O(-48) y_8-NH_3^{+2}(-103)	GYALP(-28) PGYAL(-28)	y_9^{+2}(-43)
541.2754	**557.2466**	**566.2096**	**575.2691**	**583.1999**	**587.2637**	**591.3370**	**592.9605**	**593.2832**	**606.7913**
IDVAC(Carbamidomethyl)-H_2O(58)	y_{10}^{+2}(-58)	b_5(-64)		DVAC(Carbamidomethyl)H(-50)	C(Carbamidomethyl)HPGY-28(41) MH-H_2O^{+3}(-40)	y_5(-22)		MH^{+3}(-13)	y_{11}^{+2}(-36)
664.3064	**720.8382**	**745.3726**	**755.3221**	**764.3456**	**783.2974**	**882.4262**	**1042.4423**	**1084.4683**	**1113.5134**
y_{12}^{+2}(-31)	y_{13}^{+2}(-42)	y_7(-69)	SIDVAC(Carbamidomethyl)H-28(-38) y_{14}-H_2O^{+2}(-76)	y_{14}^{+2}(-51)	SIDVAC(Carbamidomethyl)H(-61)	DVAC(Carbamidomethyl)HPGY-H_2O(79) y_8(-65)	y_9(-69)	DVAC(Carbamidomethyl)HPGYAL(-18) a_{10}-H_2O(-18) IDVAC(Carbamidomethyl)HPGYA(-18)	y_{10}(-34)

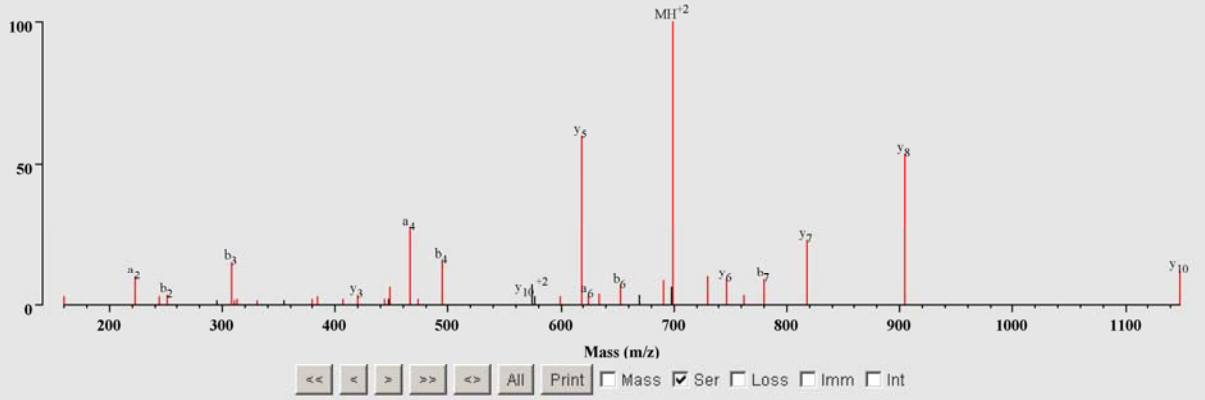
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1690.8258	845.9165
338.1347	---	3	S	14	1527.7624	764.3849
451.2187	---	4	I	13	1440.7304	720.8688
566.2457	---	5	D	12	1327.6463	664.3268
665.3141	---	6	V	11	1212.6194	606.8133
736.3512	---	7	A	10	1113.5510	557.2791
896.3818	---	8	C(Carbamidomethyl)	9	1042.5139	521.7606
1033.4408	517.2240	9	H	8	882.4832	441.7452
1130.4935	565.7504	10	P	7	745.4243	373.2158
1187.5150	594.2611	11	G	6	648.3715	324.6894
1350.5783	675.7928	12	Y	5	591.3501	296.1787
1421.6154	711.3114	13	A	4	428.2867	214.6470

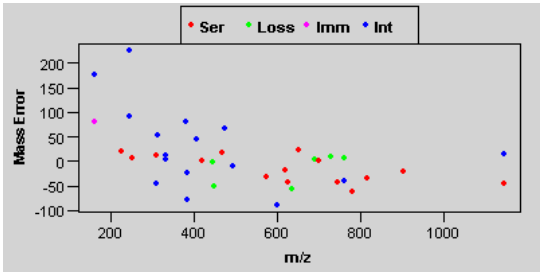
1534.6995	767.8534	14	**L**	3	357.2496	179.1285
1631.7523	816.3798	15	**P**	2	244.1656	122.5864
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGWSAQPTC(Carbamidomethyl)IK^{+2}



Max Intensity: **4.52**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **93.5%** Matched Series Intensity: **91.3%**



Sequence SYGWSAQPTC(Carbamidomethyl)IK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H93 N16 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1398.4246	1397.6518	699.7160	699.3295

[–] **Peak Matches**

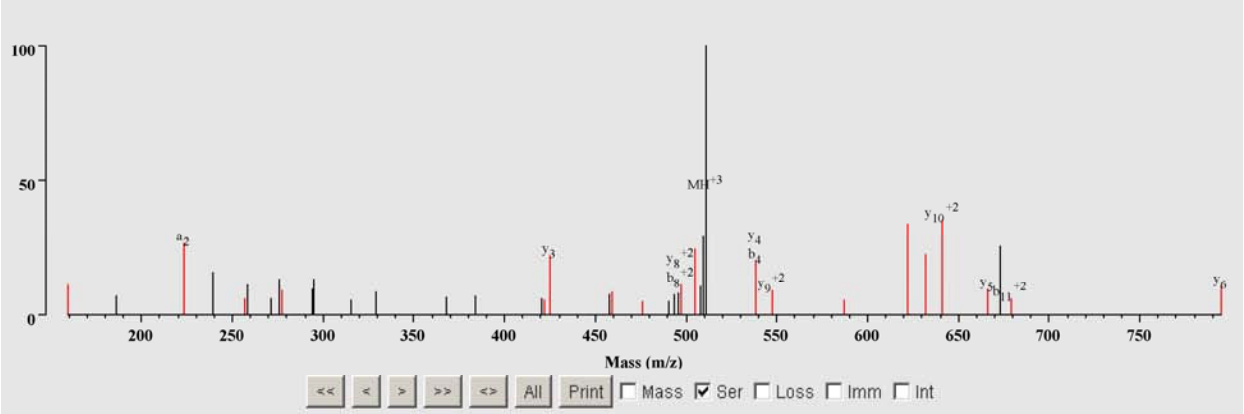
159.1043	223.1123	244.1303	251.1040	295.0948	308.1274	310.1258	313.1463	331.1444	355.1027
SA(175) W(79)	a_2(21)	TC(Carbamidomethyl)-H_2O (226) GW(91)	b_2(5.4)		b_3(11)	QPT-NH_3(-45)	GWS-H_2O (54)	GWS(13) PTC(Carbamidomethyl)-28 (2.9)	
379.2063	**384.1576**	**407.1891**	**420.2280**	**443.7248**	**447.1382**	**448.1754**	**466.2164**	**473.2455**	**494.1978**
YGW-28(79)	GWSA-H_2O(-24) SAQP(-79)	YGW(44)	y_3(1.2)	y_8-H_2O^{+2}(-3.1)		a_3-H_2O(-50)	YGWS-28(17) a_4(17)	WSAQ(66)	b_4(-11) YGWS(-11)
574.2631	**574.7826**	**576.2424**	**599.2395**	**618.0360**	**618.3160**	**624.2509**	**634.2261**	**652.2874**	**669.2844**
y_{10}^{+2}(-33)			GWSAQP-28(-90)		y_5(-19)	a_6(-43)	b_6-H_2O(-57)	b_6(23)	
690.3264	**698.3211**	**699.3293**	**729.3666**	**746.3534**	**762.3254**	**780.2816**	**817.3944**	**904.4380**	**1147.5037**
MH-H_2O^{+2} (3.1)		MH^{+2}(-0.35)	y_6-NH_3(9.1)	y_6(-44)	b_7-H_2O(6.3) YGWSAQP-28(-41)	b_7(-63)	y_7(-36)	y_8(-20)	YGWSAQPTC(Carbamidomethyl)I-NH_3 (14) y_{10}(-46)

[–] **Main Sequence Ions**

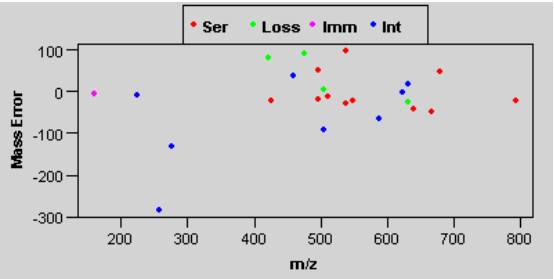
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1310.6198	655.8135
308.1241	3	G	10	1147.5565	574.2819
494.2034	4	W	9	1090.5350	545.7711
581.2354	5	S	8	904.4557	452.7315
652.2726	6	A	7	817.4236	409.2155
780.3311	7	Q	6	746.3865	373.6969
877.3839	8	P	5	618.3280	309.6676
978.4316	9	T	4	521.2752	261.1412
1138.4622	10	C(Carbamidomethyl)	3	420.2275	210.6174
1251.5463	11	I	2	260.1969	130.6021
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYWTAKQKLYSR^{+3}



Max Intensity: **6.54**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **51.9%** Matched Series Intensity: **44.8%**



Sequence SYWTAKQKLYSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C71 H108 N19 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1531.7653	1530.8063	766.3864	765.9068	511.2601	510.9403

[–] Peak Matches

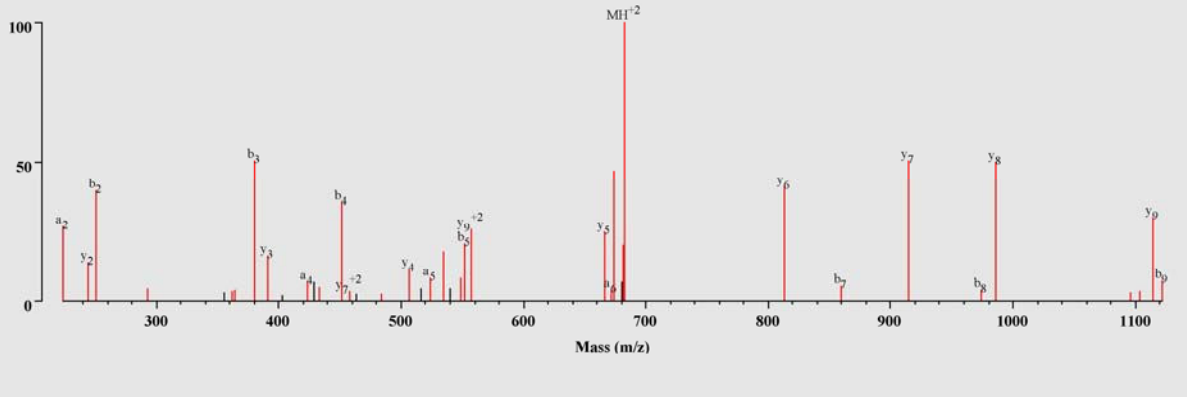
159.0909	186.0792	223.1060	239.0915	257.0876	258.0182	271.1234	276.0101	277.1183	294.0056
W(-4.9)		a_2(-7.7) YS-28(-7.7)		QK(-285) KQ(-285)				LY(-131)	
295.1264	**315.1228**	**329.1040**	**368.0667**	**384.1228**	**420.2554**	**421.9333**	**425.2055**	**457.8682**	**459.2888**
						y_{10}-NH_3^{+3}(80)	y_3(-21)		WTAK-28(38)
476.2975	**490.2548**	**493.2411**	**495.9245**	**497.2869**	**505.2664**	**508.3065**	**509.2052**	**510.9343**	**511.2595**
y_{11}-NH_3^{+3}(91)				b_8^{+2}(52) y_8^{+2}(-18)	MH-NH_3^{+3}(3.2) QKLY-28(-93)			MH^{+3}(-12)	
538.2826	**547.8074**	**587.2922**	**622.3344**	**632.3300**	**640.8327**	**666.3613**	**672.8606**	**678.8835**	**794.4341**
b_4(98) y_4(-29)	y_9^{+2}(-22)	WTAKQ-28(-64)	YWTAK-28(-0.58)	YWTAK-H_2O(17) y_{10}-NH_3^{+2}(-25)	y_{10}^{+2}(-41)	y_5(-48)		b_{11}^{+2}(48)	y_6(-22)

[–] Main Sequence Ions

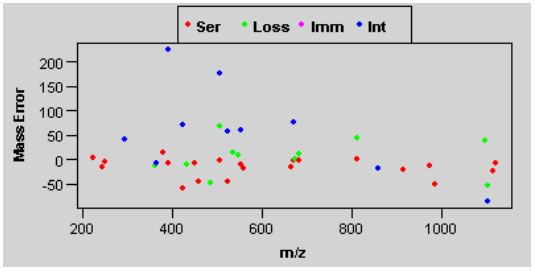
b	b^{+2}			y	y^{+2}
---	---	1	S	12 ---	---
251.1026	---	2	Y	11 1443.7743	722.3908
437.1819	---	3	W	10 1280.7110	640.8591
538.2296	---	4	T	9 1094.6317	547.8195
609.2667	---	5	A	8 993.5840	497.2956
737.3617	369.1845	6	K	7 922.5469	461.7771
865.4203	433.2138	7	Q	6 794.4519	397.7296
993.5152	497.2613	8	K	5 666.3933	333.7003
1106.5993	553.8033	9	L	4 538.2984	269.6528
1269.6626	635.3350	10	Y	3 425.2143	213.1108
1356.6947	678.8510	11	S	2 262.1510	131.5791
---	---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEATFC(Carbamidomethyl)DFPK^{+2}



Max Intensity: **6.73**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **95.7%** Matched Series Intensity: **94.7%**



Sequence: SYEATFC(Carbamidomethyl)DFPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C62 H86 N13 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1365.3480	1364.5827	683.1777	682.7950

[–] **Peak Matches**

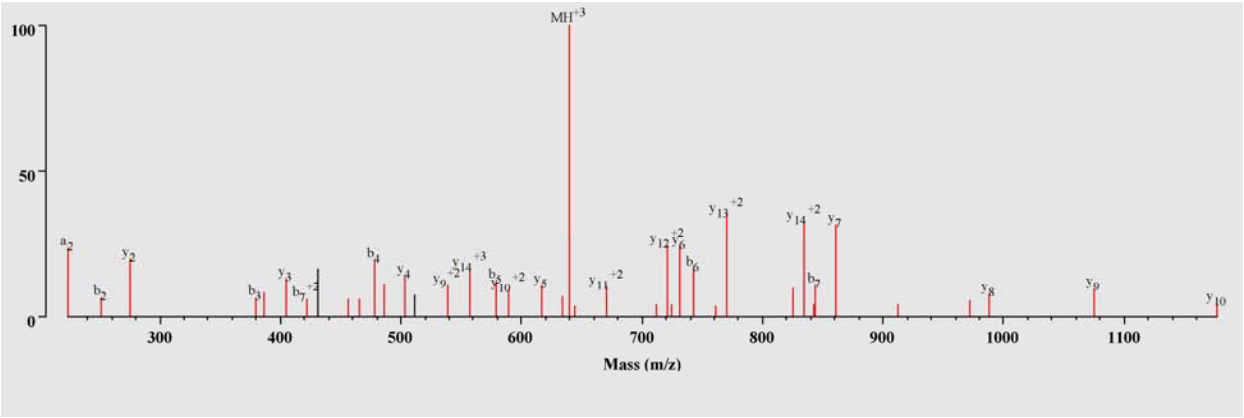
223.1085	244.1620	251.1017	293.1256	355.0688	362.1297	364.1477	380.1506	391.2313	403.1853
a_2(3.5)	y_2(-15)	b_2(-3.7)	YE(42)		b_3-H_2O(-14)	YEA(-7.2)	b_3(14)	TFC(Carbamidomethyl)-H_2O(225) y_3(-6.9)	
423.1630	**429.0823**	**433.1676**	**451.1784**	**457.6866**	**463.2367**	**484.1979**	**506.2594**	**516.1858**	**524.2109**
C(Carbamidomethyl)DF(70) FC(Carbamidomethyl)D(70) a_4(-58)		b_4-H_2O(-9.6)	b_4(-8.7)	y_7^{+2}(-46)		y_8-H_2O^{+2}(-47)	TFC(Carbamidomethyl)D-H_2O(176) a_5-H_2O(69) y_4(-3.0)		TFC(Carbamidomethyl)D(57) a_5(-46)
534.2277	**540.2600**	**548.7466**	**552.2237**	**557.7372**	**666.2817**	**671.3013**	**673.7900**	**680.3501**	**681.2959**
b_5-H_2O(15)		y_9-H_2O^{+2}(8.3)	FC(Carbamidomethyl)DF-H_2O(59) b_5(-11)	y_9^{+2}(-18)	y_5(-15)	TFC(Carbamidomethyl)DF(77) a_6(-3.3)	MH-H_2O^{+2}(0.41)		b_6-H_2O(12)
682.7937	**813.3596**	**859.3149**	**914.3878**	**974.3445**	**985.3943**	**1096.5194**	**1103.3550**	**1114.4607**	**1121.4158**
MH^{+2}(-1.9)	a_7-H_2O(44) y_6(-0.49)	b_7(-17) YEATFC(Carbamidomethyl)D-28(-17)	y_7(-22)	b_8(-12)	y_8(-51)	y_9-H_2O(39)	b_9-H_2O(-53) YEATFC(Carbamidomethyl)DFP-28(-86)	y_9(-24)	b_9(-7.7)

[–] **Main Sequence Ions**

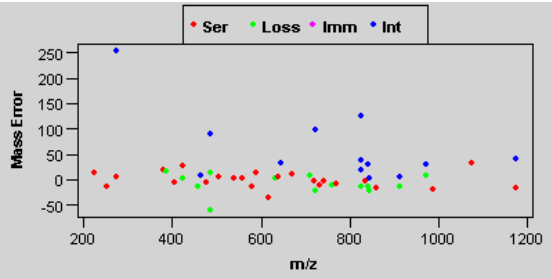
b				y	y^{+2}
---	1	**S**	11	---	---
251.1026	2	**Y**	10	1277.5507	639.2790
380.1452	3	**E**	9	1114.4874	557.7473
451.1823	4	**A**	8	985.4448	493.2260
552.2300	5	**T**	7	914.4077	457.7075
699.2984	6	**F**	6	813.3600	407.1836
859.3291	7	**C(Carbamidomethyl)**	5	666.2916	333.6494
974.3560	8	**D**	4	506.2609	253.6341
1121.4244	9	**F**	3	391.2340	196.1206
1218.4772	10	**P**	2	244.1656	122.5864
---	11	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKVTYTSQEDLVEKK^{+3}



Max Intensity: **25.2**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **95.8%** Matched Series Intensity: **94.9%**



Sequence SYKVTYTSQEDLVEKK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C85 H137 N20 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1919.1519	1917.9804	960.0797	959.4938	640.3889	639.9983

[–] Peak Matches

223.1103	251.0988	275.2088	379.2049	386.2457	404.2482	422.2269	431.2273	456.7207	465.2383
a_2(12)	b_2(-15)	YK-NH_3(254) y_2(3.8)	b_3(19)	y_3-H_2O(15)	y_3(-5.3)	b_7^{+2}(26) y_7-NH_3^{+2}(0.83)		b_8-H_2O^{+2}(-13)	VTYT(8.4)
478.2636	**486.2628**	**503.3218**	**511.7603**	**538.2870**	**556.6340**	**579.3063**	**588.8160**	**616.3804**	**633.9969**
b_4(-5.0)	QEDL(89) y_8-NH_3^{+2}(14) y_4-NH_3(-61)	y_4(6.0)		y_9^{+2}(3.5)	y_{14}^{+3}(1.4)	b_5(-13)	y_{10}^{+2}(12)	y_5(-36)	MH-H_2O^{+3}(3.3)
640.0016	**644.3447**	**670.3468**	**711.8650**	**720.8625**	**724.3497**	**731.4221**	**742.3738**	**761.3841**	**770.3909**
MH^{+3}(5.1)	SQEDLV-28(31)	y_{11}^{+2}(9.2)	y_{12}-H_2O^{+2}(8.2)	y_{12}^{+2}(-2.7)	YTSQED(98) b_6-H_2O(-23)	y_6(-11)	b_6(-4.3)	y_{13}-H_2O^{+2}(-12)	y_{13}^{+2}(-10)
825.4298	**834.4431**	**842.4502**	**843.4273**	**860.4574**	**912.4344**	**971.5114**	**988.5107**	**1075.5972**	**1176.5905**
TYTSQED(126) QEDLVEK-NH_3(37) b_7-H_2O(19) YKVTYTS-H_2O(19) y_{14}-H_2O^{+2}(-13)	y_{14}^{+2}(-3.7)	QEDLVEK(29) y_7-H_2O(-14)	b_7(3.1) YKVTYTS(3.1) y_7-NH_3(-22)	y_7(-17)	SQEDLVEK-NH_3(3.8) b_8-H_2O(-13)	YKVTYTSQ(29) y_8-NH_3(7.2)	y_8(-20)	y_9(32)	YTSQEDLVEK-NH_3(41) y_{10}(-17)

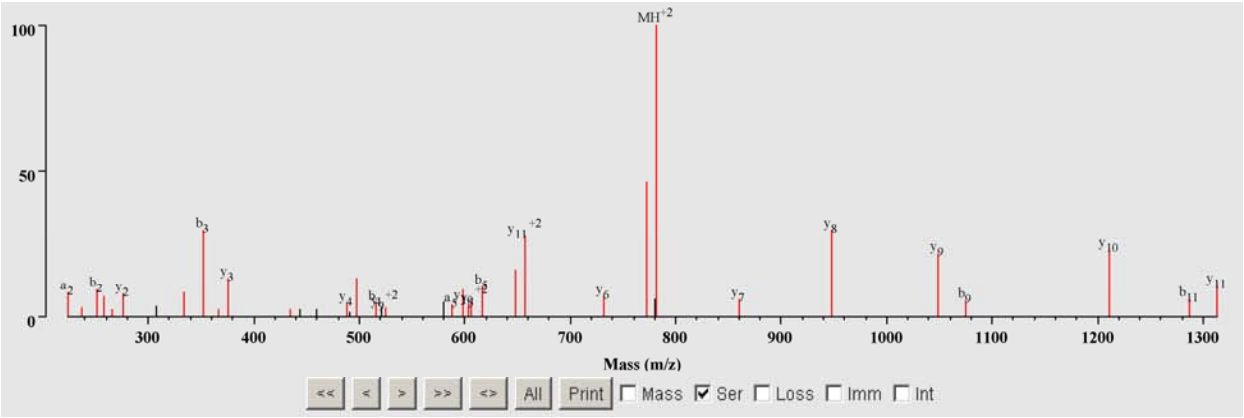
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 16	---	---
251.1026	---	2	**Y** 15	1830.9484	915.9778
379.1976	190.1024	3	**K** 14	1667.8850	834.4462
478.2660	239.6366	4	**V** 13	1539.7901	770.3987
579.3137	290.1605	5	**T** 12	1440.7217	720.8645
742.3770	371.6921	6	**Y** 11	1339.6740	670.3406
843.4247	422.2160	7	**T** 10	1176.6107	588.8090
930.4567	465.7320	8	**S** 9	1075.5630	538.2851
1058.5153	529.7613	9	**Q** 8	988.5310	494.7691
1187.5579	594.2826	10	**E** 7	860.4724	430.7398
1302.5848	651.7961	11	**D** 6	731.4298	366.2185
1415.6689	708.3381	12	**L** 5	616.4028	308.7051
1514.7373	757.8723	13	**V** 4	503.3188	252.1630
1643.7799	822.3936	14	**E** 3	404.2504	202.6288

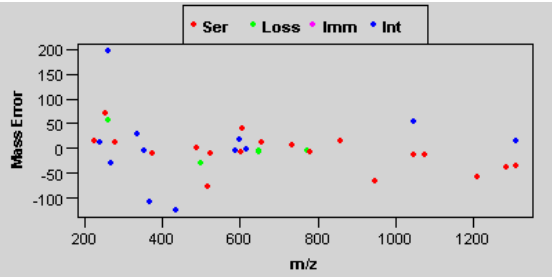
1771.8749	886.4411	15	**K**	2	275.2078	138.1075
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTYTSQEDLVEK^{+2}



Max Intensity: **3.64**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **94.9%** Matched Series Intensity: **92.8%**



Sequence SYTYTSQEDLVEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H104 N15 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1563.6681	1562.7221	782.3378	781.8647

[–] **Peak Matches**

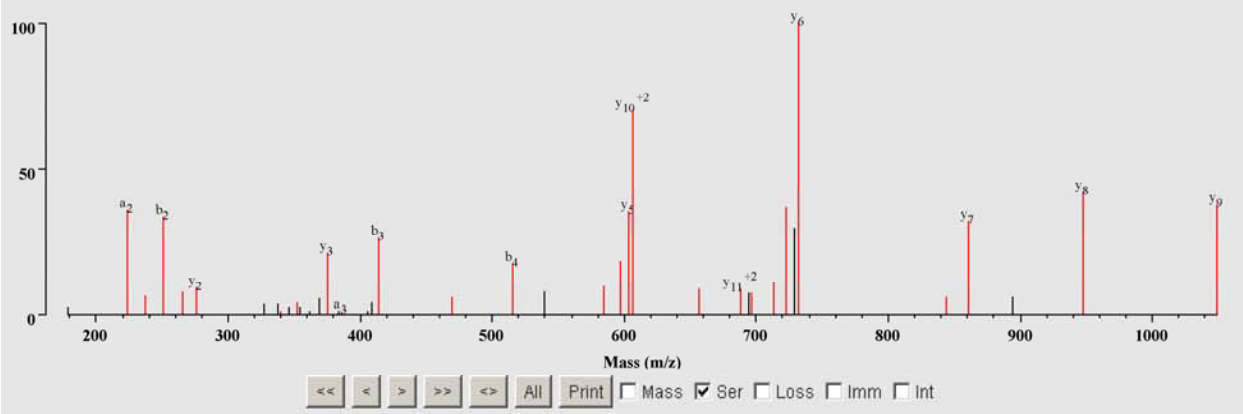
223.1109	237.1265	251.1205	258.1592	265.1103	276.1588	307.1249	334.1494	352.1485	366.1260
a_2(14)	TY-28(13) YT-28(13)	b_2(71)	QE(197) y_2-H_2O(56)	TY(-30) YT(-30)	y_2(12)		b_3-H_2O(29) YTS-H_2O(29)	b_3(-5.1) YTS(-5.1)	TYT(-109)
375.2196	**435.1329**	**444.2133**	**459.1994**	**488.3079**	**491.1058**	**497.1877**	**515.1743**	**521.2236**	**524.7556**
y_3(-11)	TYTS-H_2O(-125)			y_4(0.051)		b_4-H_2O(-31)	b_4(-76)		y_9^{+2}(-11)
580.2294	**588.2630**	**598.2623**	**603.3307**	**606.3168**	**616.2610**	**647.8091**	**648.2982**	**656.8247**	**732.3831**
	a_5(-5.8) YTYTS-28(-5.8)	b_5-H_2O(19) YTYTS-H_2O(19)	y_5(-6.8)	y_{10}^{+2}(39)	b_5(-0.52) YTYTS(-0.52)	y_{11}-H_2O^{+2}(-4.0)	y_{11}-NH_3^{+2}(-8.5)	y_{11}^{+2}(12)	y_6(7.8)
772.8551	**780.3424**	**781.8579**	**860.4477**	**947.4060**	**1048.5034**	**1075.4076**	**1211.5105**	**1287.5264**	**1312.5789**
MH-H_2O^{+2}(-5.5)		MH^{+2}(-8.7)	y_7(14)	y_8(-65)	YTSQEDLVE-NH_3(54) y_9(-12)	b_9(-13)	y_{10}(-57)	b_{11}(-37)	YTYTSQEDLVE-NH_3(16) y_{11}(-36)

[–] **Main Sequence Ions**

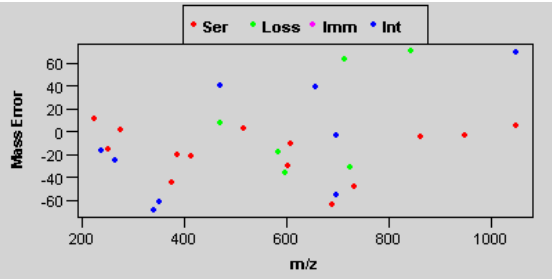
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1475.6900	738.3487
352.1503	3	T	11	1312.6267	656.8170
515.2136	4	Y	10	1211.5790	606.2932
616.2613	5	T	9	1048.5157	524.7615
703.2933	6	S	8	947.4680	474.2376
831.3519	7	Q	7	860.4360	430.7216
960.3945	8	E	6	732.3774	366.6923
1075.4215	9	D	5	603.3348	302.1710
1188.5055	10	L	4	488.3079	244.6576
1287.5739	11	V	3	375.2238	188.1155
1416.6165	12	E	2	276.1554	138.5813
---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYTSQEDLVEK^{+2}



Max Intensity: **1.66**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **88.2%** Matched Series Intensity: **87.5%**



Sequence SYYTSQEDLVEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C64 H97 N14 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1462.5624	1461.6744	731.7849	731.3408

[–] **Peak Matches**

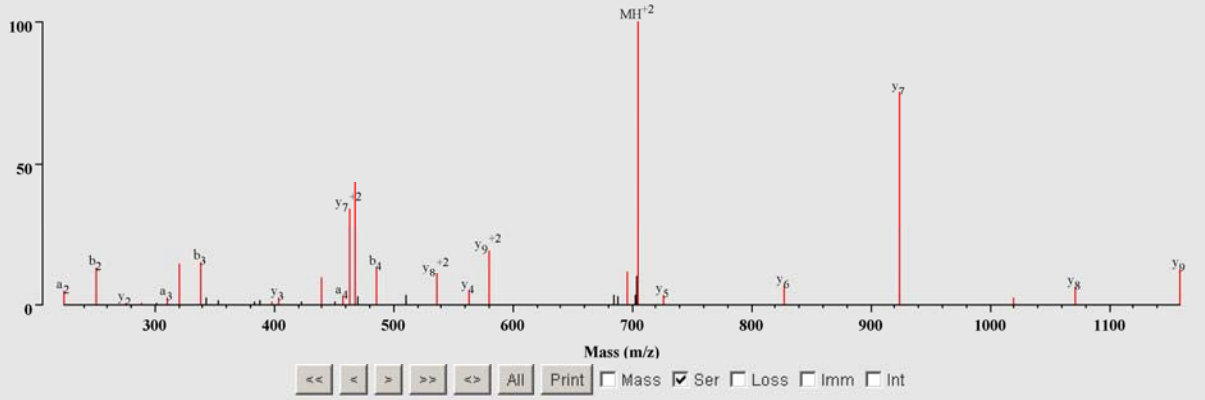
178.0847	223.1102	237.1193	251.0988	265.1117	276.1557	327.3645	338.1137	340.1268	346.1547
	a_2(11)	YT-28(-17)	b_2(-15)	YT(-25)	y_2(1.1)			EDL-H_2O(-69)	
352.1290	**354.1888**	**362.1745**	**369.1463**	**375.2068**	**383.2005**	**386.1633**	**405.1854**	**409.1868**	**414.1569**
YTS(-61)				y_3(-45)		a_3(-20)			b_3(-22)
469.2116	**515.2148**	**539.1932**	**584.2247**	**597.2662**	**603.3166**	**606.2868**	**656.3139**	**687.7809**	**694.2675**
QEDL-NH_3(40) a_4-H_2O(7.3)	YYTS(2.3) b_4(2.3)		b_5-H_2O(-18)	y_{10}-H_2O^{+2}(-36)	y_5(-30)	y_{10}^{+2}(-10)	TSQEDL-H_2O(39)	y_{11}^{+2}(-64)	
696.2815	**713.3232**	**722.3129**	**729.3229**	**732.3423**	**843.4695**	**860.4324**	**894.4484**	**947.4648**	**1048.5208**
YTSQED-28(-2.9) QEDLVE-H_2O(-55)	b_6-NH_3(64)	MH-H_2O^{+2}(-31)		y_6(-48)	y_7-NH_3(71)	y_7(-4.2)		y_8(-3.4)	YTSQEDLVE-NH_3(70) y_9(4.9)

[–] **Main Sequence Ions**

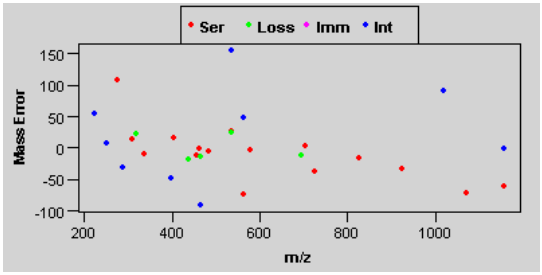
b			y	y^{+2}
---	1	S 12	---	---
251.1026	2	Y 11	1374.6424	687.8248
414.1660	3	Y 10	1211.5790	606.2932
515.2136	4	T 9	1048.5157	524.7615
602.2457	5	S 8	947.4680	474.2376
730.3042	6	Q 7	860.4360	430.7216
859.3468	7	E 6	732.3774	366.6923
974.3738	8	D 5	603.3348	302.1710
1087.4578	9	L 4	488.3079	244.6576
1186.5263	10	V 3	375.2238	188.1155
1315.5689	11	E 2	276.1554	138.5813
---	12	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFPTYC(Carbamidomethyl)QQK^{+2}



Max Intensity: **5.59**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **91.0%** Matched Series Intensity: **88.0%**



Sequence: SYSFPTYC(Carbamidomethyl)QQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H90 N15 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1409.4045	1408.6202	705.2059	704.8137

[–] Peak Matches

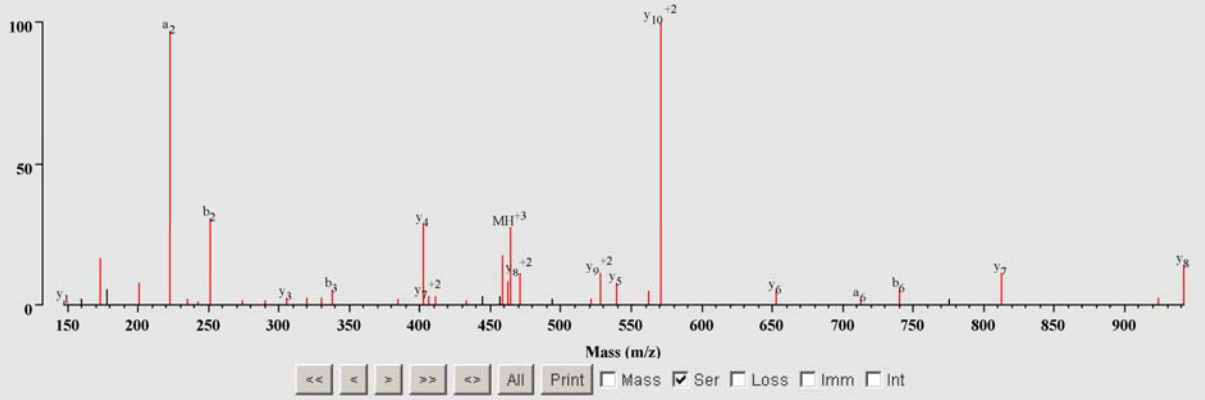
223.1198	251.1047	275.2012	289.0873	301.1302	310.1437	320.1311	338.1313	343.2283	353.2237
a_2(54) YS-28 (54)	b_2(8.2) YS(8.2)	y_2(108)	C(Carbamidomethyl)Q(-32)		a_3(13)	b_3-H_2O (22)	b_3(-9.9)		
383.0994	**388.1991**	**398.1520**	**403.2366**	**422.1921**	**439.1899**	**451.2367**	**457.2029**	**462.7154**	**467.1864**
		YSF(-48)	y_3(16)		a_4-H_2O(-18)		a_4(-12)	y_7^{+2}(-0.92)	b_4-H_2O(-13) YSFP-28(-91)
470.2331	**485.2001**	**510.2684**	**536.2640**	**563.2197**	**579.7642**	**684.3005**	**688.2176**	**695.8007**	**702.4117**
	b_4(-6.1)		TYC(Carbamidomethyl)Q-NH_3 (155) y_8^{+2}(26) a_5-H_2O(25)	YC(Carbamidomethyl)QQ-NH_3 (49) y_4(-73)	y_9^{+2}(-3.2)			MH-H_2O^{+2}(-11)	
702.7479	**703.8823**	**704.8166**	**726.2962**	**827.3591**	**923.7367**	**924.3926**	**1019.5219**	**1071.4152**	**1158.4538**
		MH^{+2} (4.1)	y_5(-38)	y_6(-15)		y_7(-34)	YSFPTYC(Carbamidomethyl)Q-28 (91)	y_8(-72)	YSFPTYC(Carbamidomethyl)QQ-NH_3(-2.0) y_9(-61)

[–] Main Sequence Ions

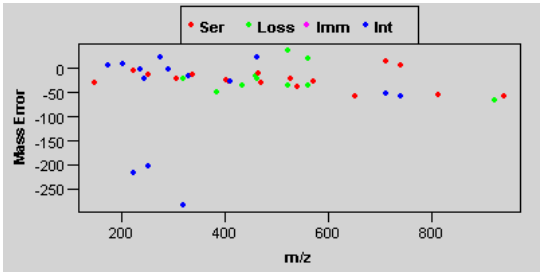
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1321.5881	661.2977
338.1347	3	S	9	1158.5248	579.7660
485.2031	4	F	8	1071.4928	536.2500
582.2558	5	P	7	924.4244	462.7158
683.3035	6	T	6	827.3716	414.1894
846.3668	7	Y	5	726.3239	363.6656
1006.3975	8	C(Carbamidomethyl)	4	563.2606	282.1339
1134.4561	9	Q	3	403.2300	202.1186
1262.5146	10	Q	2	275.1714	138.0893
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLEC(Carbamidomethyl)LHPGTK^{+3}



Max Intensity: **167**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **94.0%** Matched Series Intensity: **93.8%**



Sequence: SYSLEC(Carbamidomethyl)LHPGTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H95 N16 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1392.4177	1391.6624	696.7126	696.3348	464.8109	464.5590

[–] Peak Matches

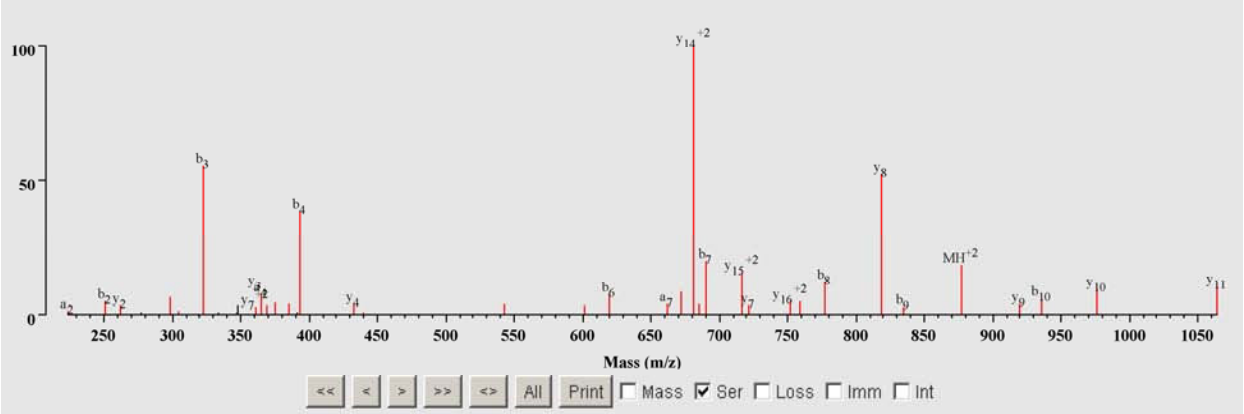
147.1083	160.0745	173.1297	178.0856	201.1253	223.1069	235.1183	243.1286	251.0991	274.1280
y_1(-31)		SL-28(7.2)		SL(9.6)	YS-28(-3.7) a_2(-3.7) LH-28(-217)	HP(-2.8)	LE(-22)	YS(-14) b_2(-14) LH(-204)	C(Carbamidomethyl)L(22)
290.0799	**305.1756**	**320.1171**	**330.1608**	**338.1302**	**384.2051**	**402.2248**	**406.6971**	**411.1695**	**433.1924**
EC(Carbamidomethyl)(-2.1)	y_3(-21)	b_3-H_2O(-22) LHP-28(-284)	SLE(-16)	b_3(-13)	y_4-H_2O(-50)	y_4(-25)	y_7^{+2}(-26)	C(Carbamidomethyl)LH(-28)	b_4-H_2O(-36)
444.2269	**456.7501**	**458.5479**	**462.2130**	**464.2232**	**464.5536**	**471.2145**	**494.2044**	**521.2642**	**527.7597**
		MH-H_2O^{+3}(-16)	SLEC(Carbamidomethyl)-28(24) y_8-H_2O^{+2}(-23)		MH^{+3}(-12)	y_8^{+2}(-31)		a_9-H_2O^{+2}(37) y_5-H_2O(-36)	y_9^{+2}(-22)
539.2725	**562.2622**	**571.2717**	**652.3389**	**712.3068**	**740.2961**	**775.3961**	**812.3633**	**923.3790**	**941.3959**
y_5(-39)	b_5-H_2O(20) y_{10}-H_2O^{+2}(-35)	y_{10}^{+2}(-27)	y_6(-59)	a_6(14) SLEC(Carbamidomethyl)LH-28(-53)	b_6(5.6) SLEC(Carbamidomethyl)LH(-59)		y_7(-55)	y_8-H_2O(-66)	y_8(-58)

[–] Main Sequence Ions

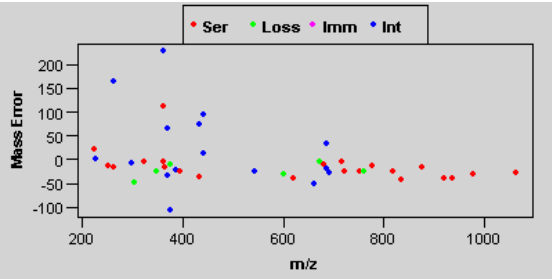
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1304.6303	652.8188
338.1347	---	3	**S**	10	1141.5670	571.2871
451.2187	---	4	**L**	9	1054.5350	527.7711
580.2613	---	5	**E**	8	941.4509	471.2291
740.2920	---	6	**C(Carbamidomethyl)**	7	812.4083	406.7078
853.3760	---	7	**L**	6	652.3777	326.6925
990.4349	495.7211	8	**H**	5	539.2936	270.1504
1087.4877	544.2475	9	**P**	4	402.2347	201.6210
1144.5092	572.7582	10	**G**	3	305.1819	153.0946
1245.5568	623.2821	11	**T**	2	248.1605	124.5839
---	---	12	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAPEASGTPSSDAVSR^{+2}



Max Intensity: **22.1**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.7%** Matched Series Intensity: **98.6%**



Sequence: SYAAPEASGTPSSDAVSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H114 N21 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1753.8308	1752.8035	877.4191	876.9054

[–] Peak Matches

223.1125	**227.1029**	**251.0997**	**262.1466**	**277.1044**	**298.1375**	**304.1144**	**322.1378**	**334.1359**	**347.1623**
a_2(21)	PE(1.2)	b_2(-12)	SSD-28(165) y_2(-17)		PEA(-7.5) APE(-7.5)	b_3-H_2O(-49)	b_3(-6.0)		a_4-H_2O(-26)
348.1507	**361.2182**	**365.1758**	**369.1641**	**375.1624**	**385.1629**	**391.1788**	**393.1676**	**432.2407**	**440.2194**
	SSDA(229) y_7^{+2}(113) y_3(-3.3)	a_4(-17)	PSSD-H_2O(64) AAPE(-35) APEA(-35)	b_4-H_2O(-10) YAAP-28(-107)	PEAS(-23)		b_4(-24)	SDAVS-28(74) SSDAV-28(74) y_4(-37)	PSSDA-H_2O(95) AAPEA(12)
543.2272	**601.2423**	**619.2483**	**662.2807**	**671.8121**	**680.8138**	**685.3011**	**690.2906**	**716.3350**	**721.3292**
EASGTP(-25) PEASGT(-25)	b_6-H_2O(-32)	b_6(-39)	a_7(-51) YAAPEAS-28(-51)	y_{14}-H_2O^{+2}(-4.8)	y_{14}^{+2}(-10.0)	SGTPSSDA-H_2O(33) ASGTPSSD-H_2O(33) AAPEASGT(-20)	b_7(-27) YAAPEAS(-27)	y_{15}^{+2}(-5.8)	y_7(-25)
751.8378	**759.3127**	**777.3313**	**818.3805**	**834.3275**	**876.8920**	**919.4102**	**935.3729**	**976.4399**	**1063.4726**
y_{16}^{+2}(-26)	b_8-H_2O(-24)	b_8(-13)	y_8(-24)	b_9(-42)	MH^{+2}(-15)	y_9(-41)	b_{10}(-40)	y_{10}(-30)	y_{11}(-27)

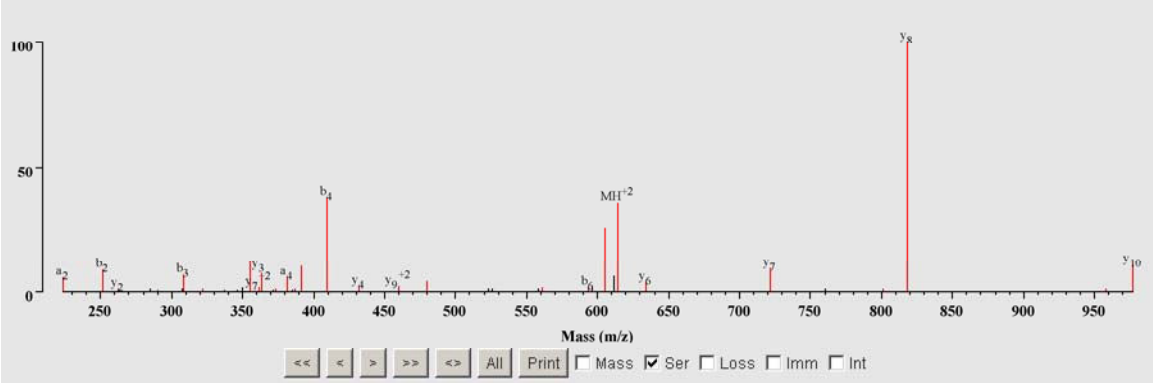
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1665.7715	833.3894
322.1397	3	A	1502.7081	751.8577
393.1769	4	A	1431.6710	716.3392
490.2296	5	P	1360.6339	680.8206
619.2722	6	E	1263.5811	632.2942
690.3093	7	A	1134.5386	567.7729
777.3414	8	S	1063.5014	532.2544
834.3628	9	G	976.4694	488.7383
935.4105	10	T	919.4480	460.2276
1032.4633	11	P	818.4003	409.7038
1119.4953	12	S	721.3475	361.1774
1206.5273	13	S	634.3155	317.6614
1321.5543	14	D	547.2835	274.1454
1392.5914	15	A	432.2565	216.6319
1491.6598	16	V	361.2194	181.1133

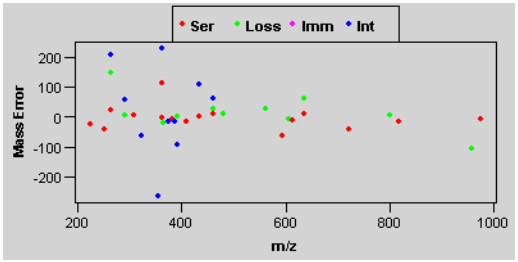
1578.6918	17	**S**	2	262.1510	131.5791
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTPSSDAVSR^{+2}



Max Intensity: **12.0**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **93.5%** Matched Series Intensity: **92.0%**



Sequence SYGTPSSDAVSR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C50 H80 N15 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1227.2806	1226.5648	614.1440	613.7860

[–] **Peak Matches**

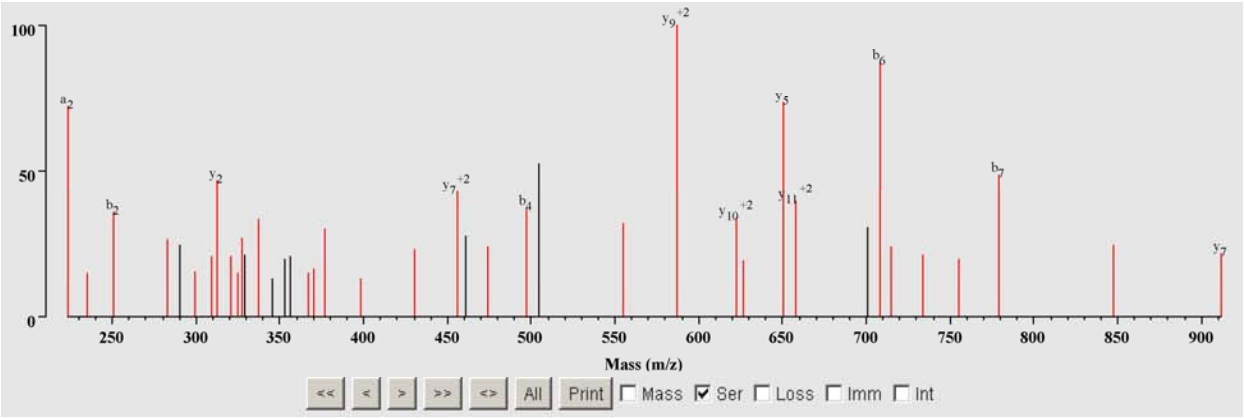
223.1026	251.0922	262.1573	285.0017	290.1154	307.1276	308.1254	322.1191	337.1375	346.1068
a_2(-23)	b_2(-42)	SSD-28(206) a_3-H_2O(148) y_2(24)		SSD(59) b_3-H_2O(6.4)		b_3(4.2)	YGT(-64)		
350.1421	**355.0671**	**361.2182**	**363.1582**	**371.0907**	**373.1649**	**381.1739**	**385.1685**	**387.1457**	**391.1620**
	SDAV-H_2O(-265) TPSS-H_2O(-265) DAVS-H_2O(-265)	SSDA(229) y_7^{+2}(113) y_3(-3.3)	a_4-H_2O(-22)		SDAV(-18) DAVS(-18) TPSS(-18)	a_4(-7.8)		PSSD(-14)	b_4-H_2O(2.0) YGTP-28(-91)
409.1654	**432.2564**	**460.2316**	**479.7386**	**523.1772**	**526.1735**	**558.7034**	**561.2792**	**593.2182**	**596.2813**
b_4(-16)	SSDAV-28(110) SDAVS-28(110) y_4(-0.25)	SSDAV(60) TPSSD-28(60) SDAVS(60) a_5-H_2O(27) y_9^{+2}(8.7)	y_{10}-H_2O^{+2}(12)				y_{11}-H_2O^{+2}(26)	YGTPSS(-65) b_6(-65)	
604.7776	**611.2401**	**613.7794**	**634.3215**	**721.3190**	**760.2858**	**801.3785**	**818.3859**	**958.3583**	**976.4636**
MH-H_2O^{+2}(-5.2)		MH^{+2}(-11)	a_7-H_2O(61) y_6(9.5)	y_7(-40)		y_8-NH_3(6.0)	y_8(-18)	y_{10}-H_2O(-105)	y_{10}(-6.0)

[–] **Main Sequence Ions**

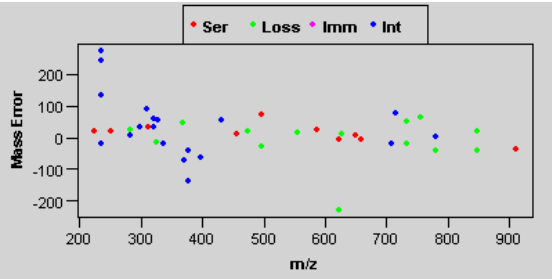
b			y	y^{+2}
---	1	S	12 ---	---
251.1026	2	Y	11 1139.5327	570.2700
308.1241	3	G	10 976.4694	488.7383
409.1718	4	T	9 919.4480	460.2276
506.2245	5	P	8 818.4003	409.7038
593.2566	6	S	7 721.3475	361.1774
680.2886	7	S	6 634.3155	317.6614
795.3155	8	D	5 547.2835	274.1454
866.3527	9	A	4 432.2565	216.6319
965.4211	10	V	3 361.2194	181.1133
1052.4531	11	S	2 262.1510	131.5791
---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMDPNAAYVNM(Oxidation)SNHHR^{+4}



Max Intensity: **1.76**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **83.7%** Matched Series Intensity: **83.7%**



Sequence: SYMDPNAAYVNM(Oxidation)SNHHR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C84 H124 N27 O28 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2024.0525	2022.8545	1012.5299	1011.9309	675.3558	674.9564	506.7687	506.4691

[–] Peak Matches

223.1125	235.1392	251.1072	283.1416	290.1557	299.1451	309.1464	312.1877	321.1414	325.1463
a_2(21)	M(Oxidation)S(274) NH-NH_3(241) AY(134) YV-28(-21)	b_2(18)	y_7-$SOCH_4^{+3}$(22) PNA(5.4)		DPN-28(34)	DPN-H_2O(88)	y_2(32)	NM(Oxidation)S-28(58) M(Oxidation)SN-28(58) SNH-H_2O(34)	y_{11}-H_2O^{+4}(-17)
327.1483	**329.1716**	**337.1445**	**345.1337**	**353.1524**	**356.1702**	**367.1956**	**370.1446**	**377.1670**	**398.1418**
DPN(56)		PNAA-NH_3(-18)				y_6-$SOCH_4^{+2}$(48)	DPNA-28(-74)	YVN(-40) AAYV-28(-136)	DPNA(-63)
430.1985	**456.2037**	**461.0970**	**473.7432**	**497.2055**	**504.2500**	**555.2744**	**587.2782**	**622.7793**	**626.3109**
MDPN-28(54) VNM(Oxidation)S-H_2O(54)	y_7^{+2}(11)		y_8-$SOCH_4^{+2}$(20)	b_4(71) y_8-NH_3^{+2}(-28)		y_9-$SOCH_4^{+2}$(16)	y_9^{+2}(23)	y_{10}^{+2}(-6.1) b_{16}+H_2O^{+3}(-230)	y_{11}-$SOCH_4^{+2}$(13)
650.3167	**658.2967**	**700.3789**	**708.2509**	**714.3629**	**733.3343**	**755.3846**	**779.3039**	**847.3562**	**911.3545**
y_5(7.6)	y_{11}^{+2}(-7.5)		b_6(-21) YVNM(Oxidation)SN-NH_3(-21)	DPNAAYV-NH_3(75)	a_7-H_2O(50) y_6-$SOCH_4$(-20)	y_{13}-NH_3^{+2}(64)	b_7(1.3) AYVNM(Oxidation)SN-NH_3(1.3) y_6-H_2O(-42)	b_{15}-H_2O^{+2}(19) y_7-$SOCH_4$(-42)	y_7(-39)

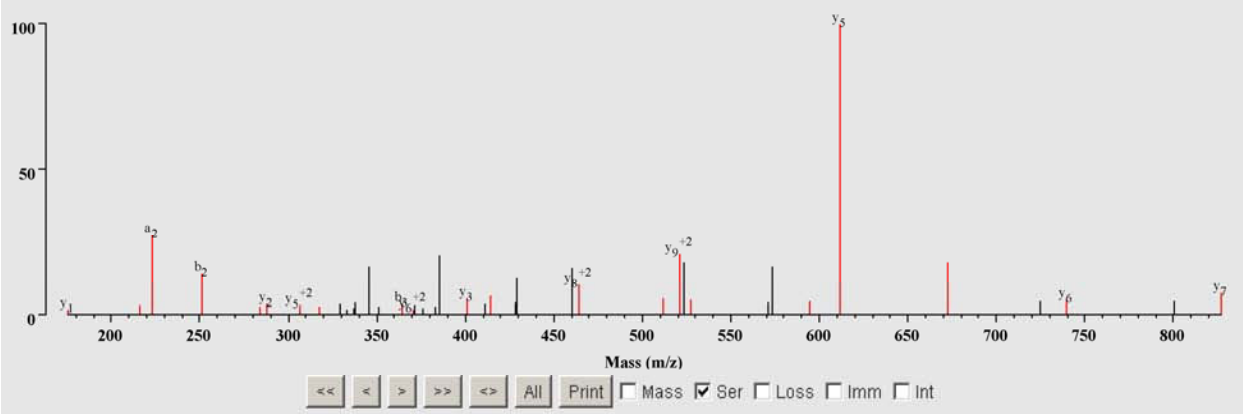
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	17	---	---
251.1026	---	2	**Y**	16	1935.8225	968.4149
382.1431	---	3	**M**	15	1772.7591	886.8832
497.1701	---	4	**D**	14	1641.7187	821.3630
594.2228	---	5	**P**	13	1526.6917	763.8495
708.2658	---	6	**N**	12	1429.6390	715.3231
779.3029	---	7	**A**	11	1315.5960	658.3017
850.3400	---	8	**A**	10	1244.5589	622.7831
1013.4033	---	9	**Y**	9	1173.5218	587.2645
1112.4717	---	10	**V**	8	1010.4585	505.7329
1226.5146	---	11	**N**	7	911.3901	456.1987
1373.5500	---	12	**M(Oxidation)**	6	797.3471	399.1772
1460.5821	---	13	**S**	5	650.3117	325.6595

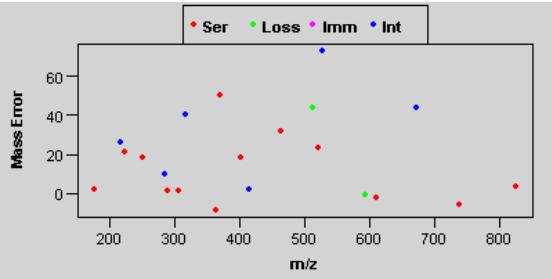
1574.6250	---	14	**N**	4	563.2797	282.1435
1711.6839	856.3456	15	**H**	3	449.2368	225.1220
1848.7428	924.8751	16	**H**	2	312.1779	156.5926
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLTSKPIILR^{+3}



Max Intensity: **8.85**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **64.0%** Matched Series Intensity: **64.0%**



Sequence SYLTSKPIILR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H104 N15 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1291.5862	1290.7780	646.2968	645.8926	431.2004	430.9309

[–] **Peak Matches**

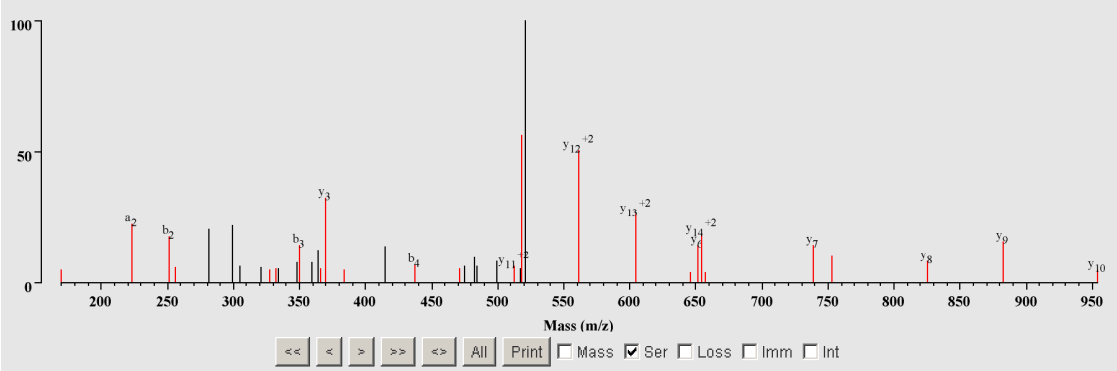
175.1193	**216.1398**	**223.1125**	**251.1072**	**284.1634**	**288.2033**	**306.2160**	**317.1946**	**329.2128**	**333.1843**
y_1(2.0)	SK(26)	a_2(21)	b_2(18)	LTS-H_2O(10)	y_2(0.98)	y_5^{+2}(1.3)	TSK(40)		
337.1619	**338.1184**	**345.2269**	**351.1914**	**364.1835**	**370.2816**	**371.1800**	**376.1328**	**383.1075**	**385.2038**
				b_3(-8.8)	y_6^{+2}(50)				
401.2944	**411.2857**	**414.2355**	**428.2709**	**429.2491**	**460.2519**	**464.3180**	**511.8621**	**520.8568**	**523.8291**
y_3(18)		TSKP(1.9)				y_8^{+2}(32)	y_9-H_2O^{+2}(44)	y_9^{+2}(23)	
527.3574	**571.3114**	**573.3289**	**594.3968**	**611.4227**	**672.4010**	**724.3830**	**739.5143**	**800.5079**	**826.5538**
LTSKP(73) TSKPI(73)			y_5-NH_3(-0.94)	y_5(-2.0)	YLTSKP-H_2O(44)		y_6(-6.2)		y_7(3.5)

[–] **Main Sequence Ions**

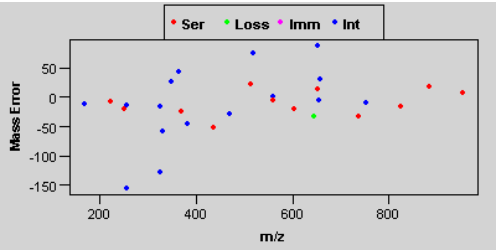
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1203.7460	602.3766
364.1867	---	3	L 9	1040.6826	520.8450
465.2344	---	4	T 8	927.5986	464.3029
552.2664	---	5	S 7	826.5509	413.7791
680.3614	340.6843	6	K 6	739.5189	370.2631
777.4141	389.2107	7	P 5	611.4239	306.2156
890.4982	445.7527	8	I 4	514.3711	257.6892
1003.5823	502.2948	9	I 3	401.2871	201.1472
1116.6663	558.8368	10	L 2	288.2030	144.6051
---	---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVSPAAGSSPGKPPR^{+3}



Max Intensity: **2.77**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **60.5%** Matched Series Intensity: **60.2%**



Sequence SYVSPAAGSSPGKPPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H109 N20 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1558.7448	1557.8020	779.8761	779.4046	520.2532	519.9388

[–] **Peak Matches**

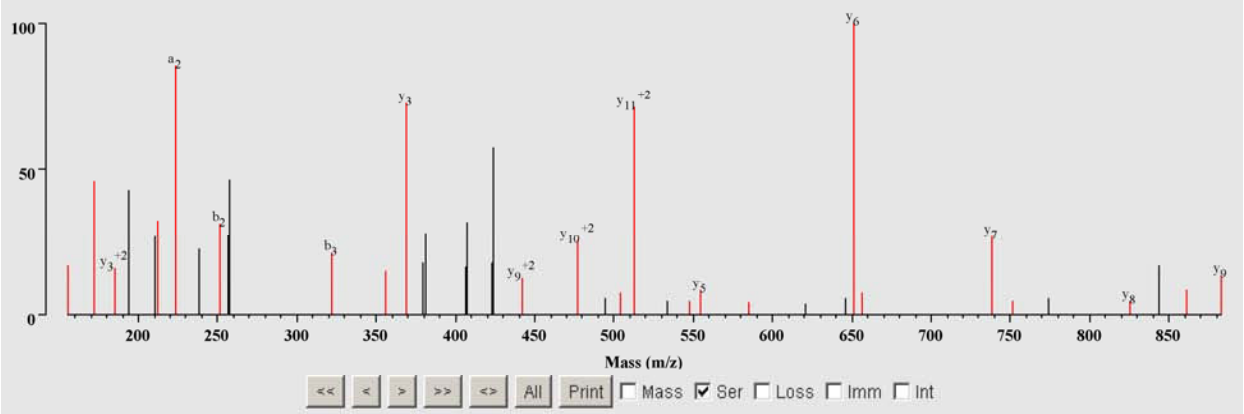
169.0953	223.1060	251.0973	256.1257	281.0484	299.0556	305.1970	321.2097	327.1607	332.1410
VS-H_2O(-11) PA(-11) GK-NH_3(-11)	a_2(-7.7)	b_2(-21)	SPA(-14) VSP-28(-156)					SPAA(-17) VSPA-28(-128)	b_3-H_2O(-59) YVS-H_2O(-59)
334.2038	**348.2200**	**350.1800**	**359.0237**	**364.2254**	**366.1934**	**369.2154**	**384.1701**	**415.0463**	**437.1805**
		b_3(26) YVS(26)			PAAGS-H_2O(44) SPAAG-H_2O(44)	y_3(-25)	PAAGS(-46) SPAAG(-46)		b_4(-52)
471.2066	**475.2733**	**482.2547**	**484.2209**	**499.2444**	**512.7920**	**517.3288**	**518.3002**	**521.2587**	**561.3038**
PAAGSS(-28) AAGSSP(-28) SPAAGS(-28)					y_{11}^{+2}(23)		YVSPA(76)		YVSPAA-28(1.2) y_{12}^{+2}(-5.2)
604.8101	**645.8227**	**651.4031**	**654.3537**	**657.3400**	**738.4023**	**753.3824**	**825.4433**	**882.4946**	**953.5228**
y_{13}^{+2}(-21)	y_{14}-NH_3^{+2}(-32)	SSPGKPP(88) y_6(14)	y_{14}^{+2}(-5.0) AGSSPGKP-28(-5.0)	VSPAAGSS(30)	y_7(-32)	AAGSSPGKP(-8.7) PAAGSSPGK(-8.7)	y_8(-17)	y_9(17)	y_{10}(6.8)

[–] **Main Sequence Ions**

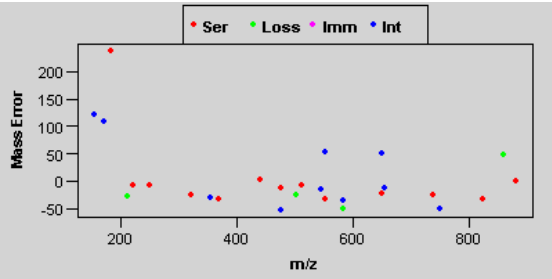
b	b^{+2}			y	y^{+2}
---	---	1	**S** 16	---	---
251.1026	---	2	**Y** 15	1470.7700	735.8886
350.1710	---	3	**V** 14	1307.7066	654.3570
437.2031	---	4	**S** 13	1208.6382	604.8227
534.2558	---	5	**P** 12	1121.6062	561.3067
605.2930	---	6	**A** 11	1024.5534	512.7803
676.3301	---	7	**A** 10	953.5163	477.2618
733.3515	---	8	**G** 9	882.4792	441.7432
820.3836	---	9	**S** 8	825.4577	413.2325
907.4156	---	10	**S** 7	738.4257	369.7165
1004.4684	---	11	**P** 6	651.3937	326.2005
1061.4898	---	12	**G** 5	554.3409	277.6741
1189.5848	595.2960	13	**K** 4	497.3194	249.1634
1286.6375	643.8224	14	**P** 3	369.2245	185.1159
1383.6903	692.3488	15	**P** 2	272.1717	136.5895
---	---	16	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAGSSPGKPPR^{+3}



Max Intensity: **8.99**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **62.7%** Matched Series Intensity: **62.1%**



Sequence: SYAAGSSPGKPPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H88 N17 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1275.4152	1274.6488	638.2113	637.8280	425.8100	425.5544

[–] Peak Matches

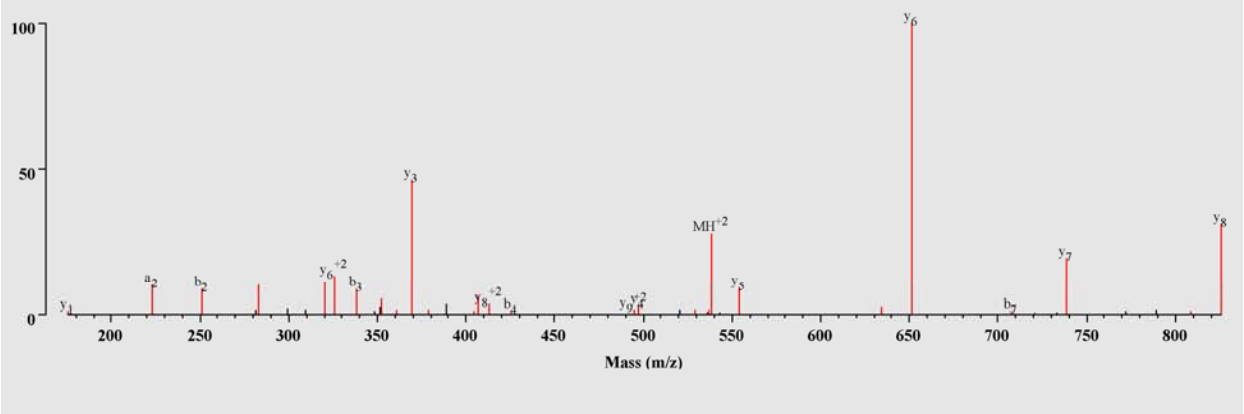
155.1004	**172.1267**	**185.1600**	**194.1100**	**210.0870**	**212.1210**	**223.1060**	**238.1728**	**251.1003**	**256.2014**
PG(122)	AAG-28(108)	y_3^{+2}(238)			y_6-NH_3^{+3}(-29)	a_2(-7.7)		b_2(-9.3)	
257.1917	**322.1315**	**356.1456**	**369.2118**	**379.2364**	**381.1964**	**406.2511**	**407.2514**	**423.2713**	**424.2650**
	b_3(-26)	AAGSS-H_2O(-30)	y_3(-34)						
441.7442	**477.2563**	**494.7731**	**503.7614**	**512.7757**	**533.2906**	**547.2785**	**554.3225**	**585.2776**	**620.3062**
y_9^{+2}(2.2)	y_{10}^{+2}(-12) PGKPP(-54)		y_{11}-H_2O^{+2}(-27)	y_{11}^{+2}(-9.0)		SPGKPP-NH_3(-16)	SSPGKP(53) y_5(-33)	AGSSPGK(-37) y_{12}-H_2O^{+2}(-50)	
646.3736	**651.3790**	**656.3285**	**738.4075**	**751.3703**	**774.4386**	**825.4297**	**843.4558**	**861.4516**	**882.4778**
	SSPGKPP(51) y_6(-23)	AAGSSPGK(-12)	y_7(-25)	AGSSPGKPP-28(-52)		y_8(-34)		a_{10}-NH_3(48)	y_9(-1.6)

[–] Main Sequence Ions

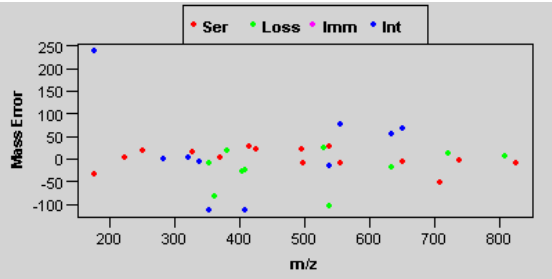
b	b^{+2}			y	y^{+2}
---	---	1	S 13	---	---
251.1026	---	2	Y 12	1187.6167	594.3120
322.1397	---	3	A 11	1024.5534	512.7803
393.1769	---	4	A 10	953.5163	477.2618
450.1983	---	5	G 9	882.4792	441.7432
537.2304	---	6	S 8	825.4577	413.2325
624.2624	---	7	S 7	738.4257	369.7165
721.3151	---	8	P 6	651.3937	326.2005
778.3366	---	9	G 5	554.3409	277.6741
906.4316	453.7194	10	K 4	497.3194	249.1634
1003.4843	502.2458	11	P 3	369.2245	185.1159
1100.5371	550.7722	12	P 2	272.1717	136.5895
---	---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSPGKPPR^{+2}



Max Intensity: **52.0**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **94.5%** Matched Series Intensity: **94.0%**



Sequence: SYSSPGKPPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C47 H75 N14 O15

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1076.2044	1075.5531	538.6059	538.2802

[–] **Peak Matches**

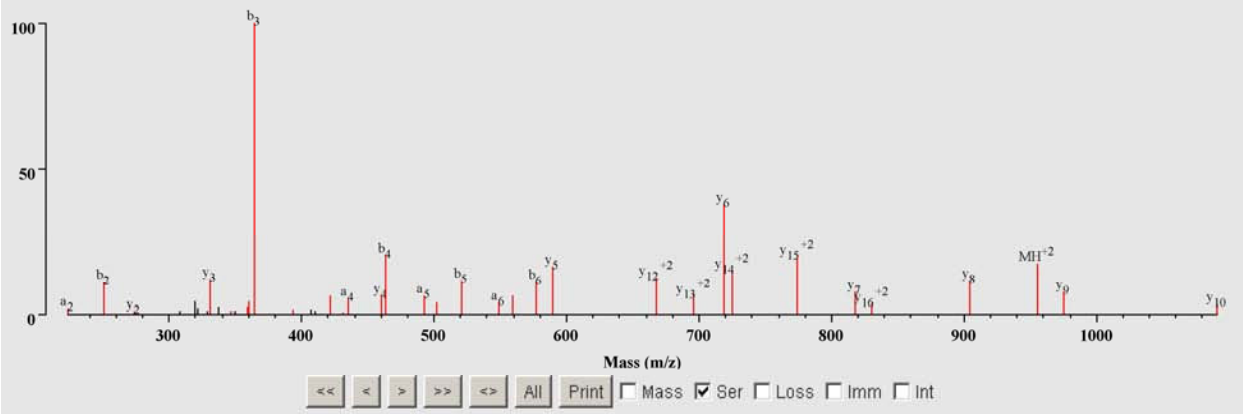
175.1131	223.1082	251.1072	281.0527	283.1766	299.0649	309.1896	320.1245	326.2057	338.1324
SS(239) y_1(-33)	YS-28(2.2) a_2(2.2)	YS(18) b_2(18)		GKP(0.47) PGK(0.47)			b_3-H_2O(1.3) YSS-H_2O(1.3)	y_6^{+2}(16)	b_3(-6.7) YSS(-6.7)
348.1295	**351.2127**	**352.1943**	**361.1732**	**369.2259**	**379.1678**	**389.1447**	**404.2159**	**407.1461**	**413.2440**
		SPGK-H_2O(-10) y_3-NH_3(-10) PGKP-28(-114) GKPP-28(-114)	y_7-NH_3^{+2}(-83)	y_3(3.8)	a_4-H_2O(17)		y_8-H_2O^{+2}(-28)	b_4-H_2O(-25) YSSP-28(-114)	y_8^{+2}(28)
425.1757	**494.7750**	**497.3153**	**520.2672**	**529.2872**	**535.8006**	**537.2586**	**538.2946**	**543.1941**	**554.3358**
b_4(21)	y_9^{+2}(22)	y_4(-8.3)		MH-H_2O^{+2}(23)		SSPGKP-NH_3(-15) y_5-NH_3(-104)	MH^{+2}(27)		SSPGKP(77) y_5(-9.2)
634.3549	**651.3889**	**707.2995**	**720.4245**	**733.3881**	**738.4233**	**772.3991**	**789.4301**	**808.4356**	**825.4494**
SSPGKPP-NH_3(56) y_6-NH_3(-19)	SSPGKPP(66) y_6(-7.3)	b_7(-51)	y_7-H_2O(13)		y_7(-3.2)			y_8-NH_3(5.5)	y_8(-10)

[–] **Main Sequence Ions**

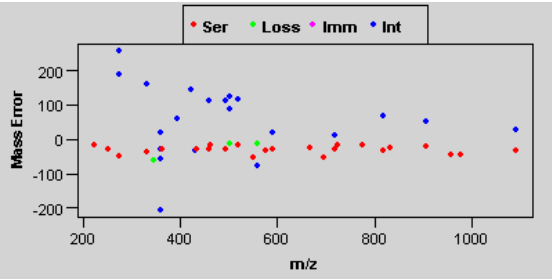
b	b^{+2}				y	y^{+2}
---	---	1	**S**	10	---	---
251.1026	---	2	**Y**	9	988.5211	494.7642
338.1347	---	3	**S**	8	825.4577	413.2325
425.1667	---	4	**S**	7	738.4257	369.7165
522.2195	---	5	**P**	6	651.3937	326.2005
579.2409	---	6	**G**	5	554.3409	277.6741
707.3359	354.1716	7	**K**	4	497.3194	249.1634
804.3886	402.6980	8	**P**	3	369.2245	185.1159
901.4414	451.2243	9	**P**	2	272.1717	136.5895
---	---	10	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLVGGPM(Oxidation)DASVEEEGVR^{+2}



Max Intensity: **10.7**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **96.2%** Matched Series Intensity: **96.0%**



Sequence: SYLVGGPM(Oxidation)DASVEEEGVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H128 N21 O31 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1911.9333	1910.8800	956.4704	955.9437

[–] Peak Matches

223.1040	251.0952	274.1737	308.0872	319.1531	321.1210	329.1784	331.1959	337.0976	346.1543
a_2(-17)	b_2(-30)	DAS(257) GPM(Oxidation)-28(189) y_2(-50)					GGPM(Oxidation)-28(158) y_3(-39)		b_3-H_2O(-63)
350.1545	**359.1183**	**360.1289**	**364.1763**	**393.1676**	**407.1537**	**410.1577**	**421.1997**	**431.1453**	**435.2469**
	GGPM(Oxidation)(-56) ASVE-28(-207)	PM(Oxidation)D(18) EEE-28(-31)	b_3(-29)	M(Oxidation)DAS-28(60)			M(Oxidation)DAS(145)	PM(Oxidation)DA(-33)	a_4(-31)
460.2377	**463.2478**	**492.2665**	**502.2583**	**520.2672**	**549.2731**	**559.2807**	**577.2792**	**589.2757**	**667.7824**
GPM(Oxidation)DA-28(112) y_4(-30)	b_4(-16)	M(Oxidation)DASV-28(110) a_5(-31)	M(Oxidation)DASV-H_2O(123) DASVE(87) b_5-H_2O(-15)	M(Oxidation)DASV(115) b_5(-18)	a_6(-55)	b_6-H_2O(-12) YLVGGP-28(-77)	b_6(-33)	PM(Oxidation)DASV-28(18) y_5(-31)	y_{12}^{+2}(-24)
696.2719	**718.3149**	**724.8059**	**774.3416**	**817.3763**	**830.8753**	**904.4186**	**955.8997**	**975.4286**	**1090.4650**
y_{13}^{+2}(-53)	PM(Oxidation)DASVE-28(10) y_6(-30)	y_{14}^{+2}(-19)	y_{15}^{+2}(-16)	DASVEEEG(68) y_7(-35)	y_{16}^{+2}(-25)	GPM(Oxidation)DASVEE-28(52) y_8(-20)	MH^{+2}(-46)	y_9(-47)	GPM(Oxidation)DASVEEEG-28(27) GGPM(Oxidation)DASVEEE-28(27) y_{10}(-33)

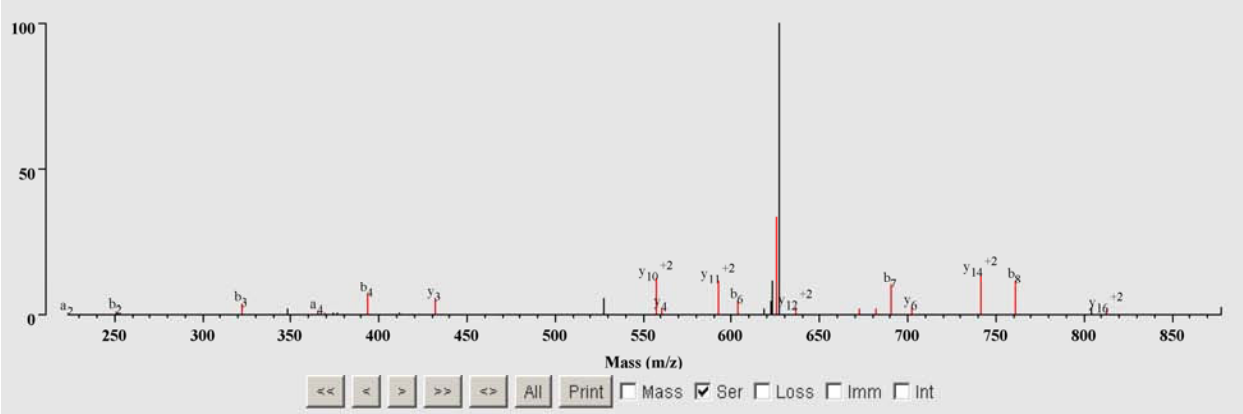
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	18 ---	---
251.1026	2	Y	17 1823.8480	912.4276
364.1867	3	L	16 1660.7847	830.8960
463.2551	4	V	15 1547.7006	774.3539
520.2766	5	G	14 1448.6322	724.8197
577.2980	6	G	13 1391.6107	696.3090
674.3508	7	P	12 1334.5893	667.7983
821.3862	8	M(Oxidation)	11 1237.5365	619.2719
936.4131	9	D	10 1090.5011	545.7542
1007.4503	10	A	9 975.4742	488.2407
1094.4823	11	S	8 904.4371	452.7222
1193.5507	12	V	7 817.4050	409.2061

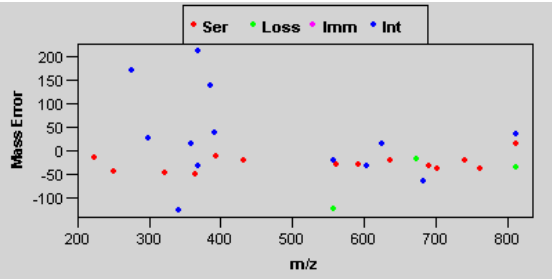
1322.5933	13	**E**	6	718.3366	359.6719
1451.6359	14	**E**	5	589.2940	295.1506
1580.6785	15	**E**	4	460.2514	230.6293
1637.6999	16	**G**	3	331.2088	166.1081
1736.7684	17	**V**	2	274.1874	137.5973
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAPLSAPGPC(Carbamidomethyl)AAQPC(Carbamidomethyl)R^{+3}



Max Intensity: **25.2**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **49.9%** Matched Series Intensity: **49.9%**



Sequence: SYAAPLSAPGPC(Carbamidomethyl)AAQPC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C79 H125 N24 O25 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1874.8178	1873.8684	937.9126	937.4378	625.6109	625.2943

[–] Peak Matches

223.1046	251.0913	275.1640	277.1223	298.1838	322.1247	338.1363	341.1750	348.1758	358.1597
a_2(-14)	b_2(-45)	C(Carbamidomethyl)AA-28 (170)		PLS(26)	b_3(-47)		LSAP-28(-127) PLSA-28(-127) APLS-28(-127)		GPC(Carbamidomethyl)A-28 (15) QPC(Carbamidomethyl)-28 (15)
363.0955	**365.1636**	**369.2009**	**374.2467**	**376.1644**	**386.2024**	**392.2076**	**393.1717**	**411.2303**	**432.1937**
	a_4(-50)	QPC(Carbamidomethyl)-NH_3 (212) LSAP(-33) PLSA(-33) APLS(-33)			GPC(Carbamidomethyl)A (138) QPC(Carbamidomethyl) (138)	SAPGP-H_2O (38)	b_4(-13)		y_3(-20)
527.7597	**557.2389**	**560.2437**	**592.7505**	**603.2933**	**618.2993**	**622.3068**	**622.8075**	**625.2855**	**626.7986**
	y_{10}^{+2}(-20) GPC(Carbamidomethyl)AAQ-28 (-20) a_6-H_2O(-124)	y_4(-31)	y_{11}^{+2}(-30)	b_6(-34) YAAPLS(-34)				APGPC(Carbamidomethyl)AA(15) PC(Carbamidomethyl)AAQP(15)	
636.2704	**672.3222**	**682.2541**	**690.3226**	**702.3087**	**741.3373**	**761.3531**	**804.4354**	**812.4013**	**877.4210**
y_{12}^{+2}(-22)	b_7-H_2O(-19)	GPC(Carbamidomethyl)AAQP (-64) PGPC(Carbamidomethyl)AAQ (-64)	b_7(-33)	y_6(-38)	y_{14}^{+2}(-21)	b_8(-39)		SAPGPC(Carbamidomethyl)AAQ-28(36) y_{16}^{+2}(14) a_9-H_2O(-35)	

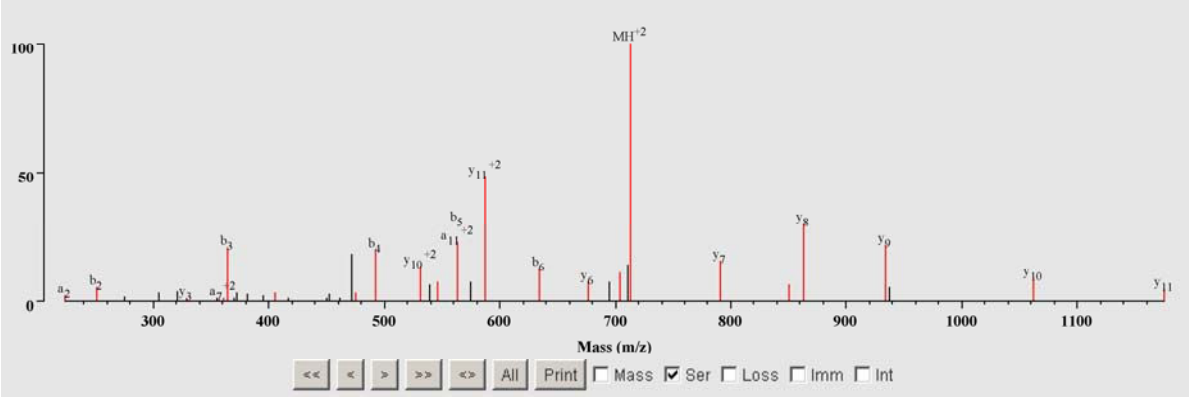
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	18 ---	---
251.1026	2	Y	17 1786.8363	893.9218
322.1397	3	A	16 1623.7730	812.3901
393.1769	4	A	15 1552.7359	776.8716
490.2296	5	P	14 1481.6988	741.3530
603.3137	6	L	13 1384.6460	692.8266
690.3457	7	S	12 1271.5620	636.2846
761.3828	8	A	11 1184.5299	592.7686
858.4356	9	P	10 1113.4928	557.2500
915.4571	10	G	9 1016.4400	508.7237

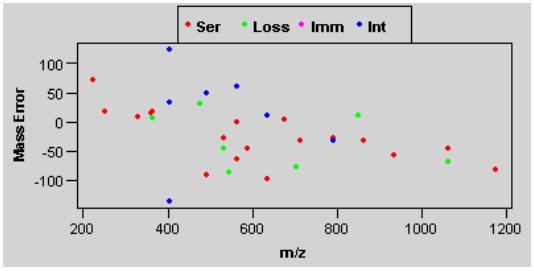
1012.5098	11	**P**	8	959.4186	480.2129
1172.5405	12	**C(Carbamidomethyl)**	7	862.3658	431.6865
1243.5776	13	**A**	6	702.3352	351.6712
1314.6147	14	**A**	5	631.2981	316.1527
1442.6733	15	**Q**	4	560.2609	280.6341
1539.7260	16	**P**	3	432.2024	216.6048
1699.7567	17	**C(Carbamidomethyl)**	2	335.1496	168.0784
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLKAADM(Oxidation)LSGPR^{+2}



Max Intensity: **4.29**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **81.0%** Matched Series Intensity: **74.8%**



Sequence SYLKAADM(Oxidation)LSGPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C61 H102 N17 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1425.4949	1424.7202	713.2512	712.8638

[–] **Peak Matches**

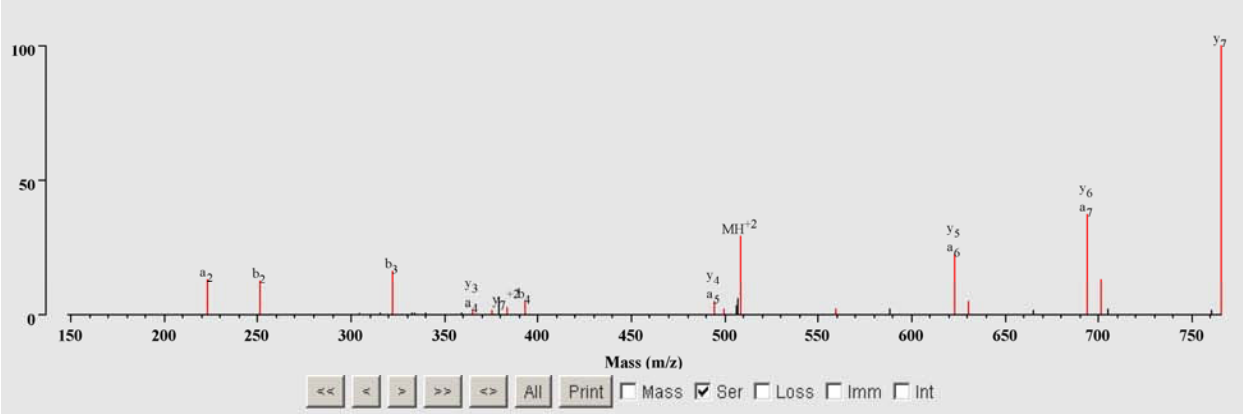
223.1236	251.1070	275.1218	305.1792	321.1312	329.1961	355.0421	361.2028	364.1928	370.1790
a_2(71)	b_2(17)				y_3(8.9)		a_7^{+2}(14)	b_3(17) y_7-$SOCH_4^{+2}$(6.9)	
372.2393	**381.1845**	**395.0401**	**405.1941**	**417.0524**	**450.2494**	**452.2276**	**461.9880**	**472.2825**	**475.2693**
			AADM(Oxidation)(124) M(Oxidation)LSG(34) YLK(-137)						b_4-NH_3(30)
492.2369	**531.2598**	**538.8207**	**546.2448**	**563.2830**	**575.2864**	**587.7884**	**634.2928**	**676.3467**	**694.3554**
DM(Oxidation)LSG-28(50) b_4(-91)	y_{10}^{+2}(-27) a_{11}-$SOCH_4^{+2}$(-47)		b_5-NH_3(-87)	ADM(Oxidation)LSG-28(60) a_{11}^{+2}(-1.9) b_5(-64)		y_{11}^{+2}(-47)	AADM(Oxidation)LSG-28(10.0) YLKAAD-28(-99) b_6(-99)	y_6(3.0)	
703.8037	**711.3835**	**712.8407**	**791.3494**	**850.4223**	**862.3809**	**933.3917**	**937.2092**	**1061.4904**	**1174.5288**
MH-H_2O^{+2}(-78)		MH^{+2}(-32)	y_7(-28) YLKAADM(Oxidation)-H_2O(-33)	a_8-H_2O(11)	y_8(-32)	y_9(-58)		y_{10}(-47) a_{11}-$SOCH_4$(-68)	y_{11}(-82)

[–] **Main Sequence Ions**

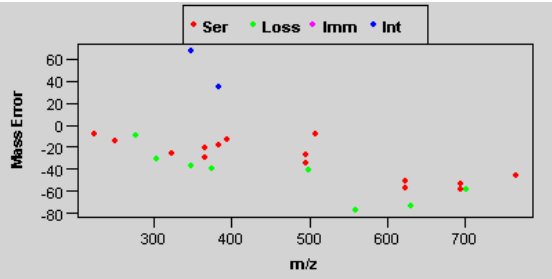
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1337.6882	669.3477
364.1867	---	3	**L**	11	1174.6249	587.8161
492.2817	246.6445	4	**K**	10	1061.5408	531.2740
563.3188	282.1630	5	**A**	9	933.4458	467.2266
634.3559	317.6816	6	**A**	8	862.4087	431.7080
749.3828	375.1951	7	**D**	7	791.3716	396.1894
896.4182	448.7128	8	**M(Oxidation)**	6	676.3447	338.6760
1009.5023	505.2548	9	**L**	5	529.3093	265.1583
1096.5343	548.7708	10	**S**	4	416.2252	208.6162
1153.5558	577.2815	11	**G**	3	329.1932	165.1002
1250.6086	625.8079	12	**P**	2	272.1717	136.5895
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAEEAM(Oxidation)K^{+2}



Max Intensity: **25.8**
Num Matched: **19/40 (52.5% unmatched)** Matched Intensity: **89.9%** Matched Series Intensity: **88.8%**



Sequence SYAAEEAM(Oxidation)K
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C42 H67 N10 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1015.9595	1015.4401	508.4835	508.2237

[–] **Peak Matches**

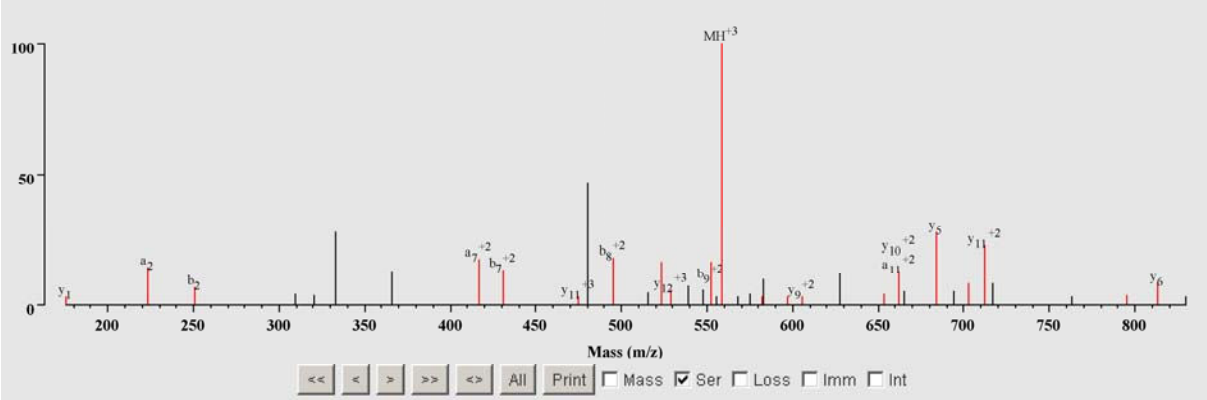
148.0668	**223.1060**	**227.1863**	**249.1184**	**251.0988**	**274.1523**	**277.1191**	**304.1199**	**310.1178**	**315.1671**
	a_2(-7.7)			b_2(-15)		y_2-NH_3(-9.2)	b_3-H_2O(-31)		
319.1367	**322.1315**	**332.1565**	**334.1588**	**338.1363**	**340.1461**	**343.2096**	**348.1458**	**352.1343**	**359.1259**
	b_3(-26)						EAM(Oxidation)(67) y_3-NH_3(-37)		
365.1744	**375.1518**	**379.1700**	**383.1690**	**393.1717**	**494.2111**	**499.1979**	**506.2500**	**507.2387**	**508.2197**
a_4(-21) y_3(-30)	b_4-H_2O(-39)		AEEA-H_2O(34) AAEE-H_2O(34) y_7^{+2}(-18)	b_4(-13)	a_5(-27) y_4(-34)	MH-H_2O^{+2}(-41)			MH^{+2}(-7.8)
559.2292	**588.2972**	**623.2351**	**630.2633**	**665.3043**	**694.2675**	**701.3057**	**705.3295**	**760.3767**	**765.3098**
y_5-$SOCH_4$(-77)		a_6(-51) y_5(-57)	y_6-$SOCH_4$(-73)		a_7(-53) y_6(-58)	y_7-$SOCH_4$(-58)			y_7(-46)

[–] **Main Sequence Ions**

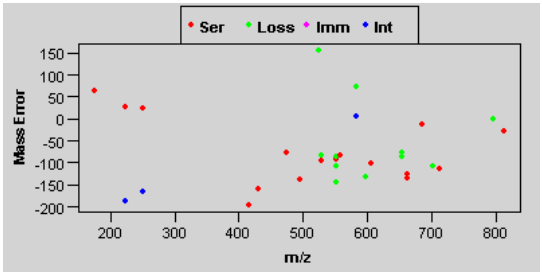
b				y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	928.4081	464.7077
322.1397	3	A	7	765.3447	383.1760
393.1769	4	A	6	694.3076	347.6574
522.2195	5	E	5	623.2705	312.1389
651.2620	6	E	4	494.2279	247.6176
722.2992	7	A	3	365.1853	183.0963
869.3346	8	M(Oxidation)	2	294.1482	147.5777
---	9	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVIHM(Oxidation)LENFTFR^{+3}



Max Intensity: **12.1**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **65.3%** Matched Series Intensity: **53.5%**



Sequence: SYVIHM(Oxidation)LENFTFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C77 H114 N19 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1673.7812	1672.8152	837.3943	836.9112	558.5987	558.2766

[–] Peak Matches

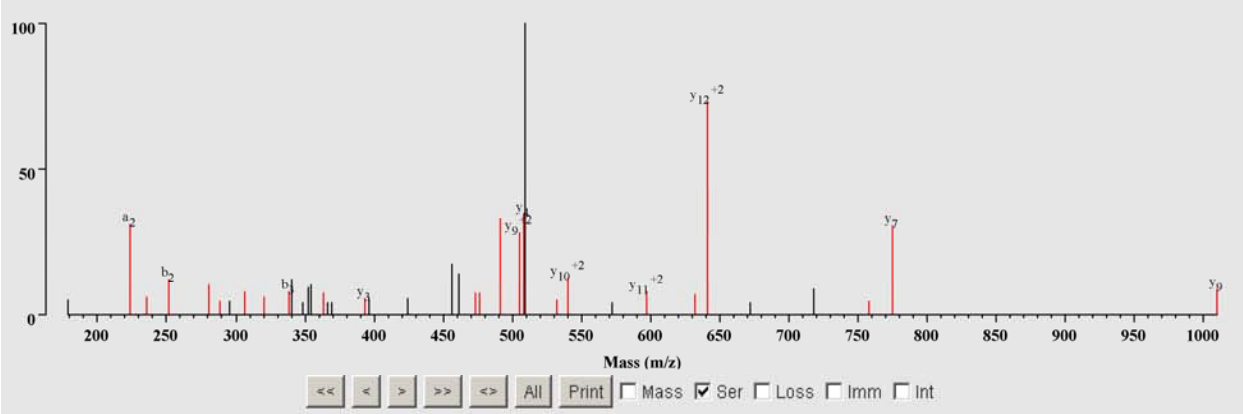
175.1300	223.1137	251.1085	309.0983	320.1297	333.2004	366.1242	416.6408	430.6514	474.8753
y_1(63)	a_2(27) IH-28(-187)	b_2(23) IH(-166)					a_7^{+2}(-197)	b_7^{+2}(-160)	y_{11}^{+3}(-76)
480.2524	**495.1724**	**515.1679**	**523.6722**	**529.2158**	**539.2292**	**547.7189**	**552.2131**	**552.5534**	**555.2908**
	b_8^{+2}(-140)		y_{12}-NH_3^{+3}(156)	a_9-H_2O^{+2}(-84) y_{12}^{+3}(-95)			b_9^{+2}(-91) MH-H_2O^{+3}(-109) y_4-H_2O(-144)	MH-NH_3^{+3}(-86)	
558.2295	**568.1788**	**575.1797**	**582.3468**	**583.2219**	**596.7032**	**605.7251**	**627.3309**	**653.7602**	**662.2397**
MH^{+3}(-84)			b_5-H_2O(74) VIHM(Oxidation)L-28(6.2)		y_9-H_2O^{+2}(-132)	y_9^{+2}(-103)		a_{11}-NH_3^{+2}(-77) y_{10}-NH_3^{+2}(-85)	a_{11}^{+2}(-127) y_{10}^{+2}(-135)
665.4241	**684.3374**	**694.2756**	**702.7822**	**711.7824**	**717.2389**	**763.2794**	**795.3771**	**813.3653**	**829.2665**
	y_5(-13)		y_{11}-H_2O^{+2}(-108)	y_{11}^{+2}(-114)			y_6-H_2O(-1.7)	y_6(-29)	

[–] Main Sequence Ions

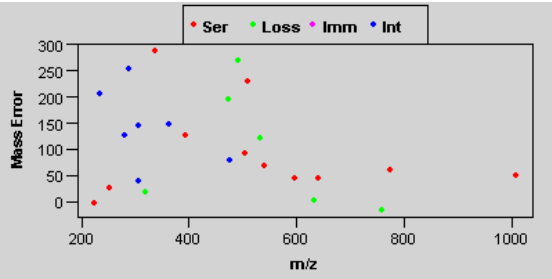
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1585.7832	793.3952
350.1710	---	3	V	11	1422.7198	711.8636
463.2551	---	4	I	10	1323.6514	662.3293
600.3140	300.6606	5	H	9	1210.5674	605.7873
747.3494	374.1783	6	M(Oxidation)	8	1073.5084	537.2579
860.4335	430.7204	7	L	7	926.4730	463.7402
989.4761	495.2417	8	E	6	813.3890	407.1981
1103.5190	552.2631	9	N	5	684.3464	342.6768
1250.5874	625.7973	10	F	4	570.3035	285.6554
1351.6351	676.3212	11	T	3	423.2350	212.1212
1498.7035	749.8554	12	F	2	322.1874	161.5973
---	---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLAM(Oxidation)SPIGDAFR^{+3}



Max Intensity: **2.77**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **61.8%** Matched Series Intensity: **61.8%**



Sequence SYSLAM(Oxidation)SPIGDAFR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C67 H104 N17 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1531.5762	1530.7257	766.2918	765.8665	511.1970	510.9134

[–] **Peak Matches**

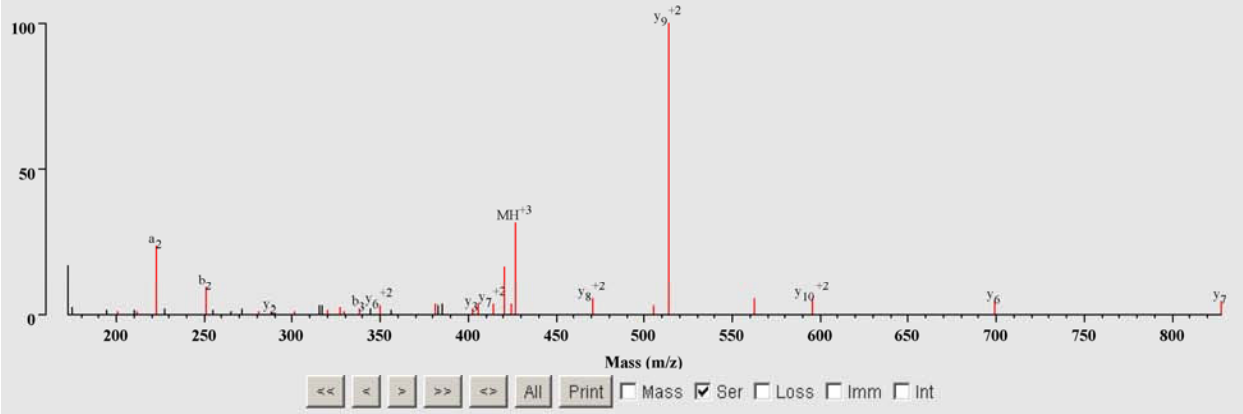
178.0792	**223.1071**	**235.1232**	**251.1092**	**280.2005**	**288.1740**	**295.1496**	**306.1566**	**320.1294**	**338.2322**
	YS-28(-2.8) a_2(-2.8)	M(Oxidation)S(206)	YS(26) b_2(26)	SPI-H_2O(125)	AM(Oxidation)S-H_2O(253)		AM(Oxidation)S(146) DAF-28(38)	b_3-H_2O(17)	b_3(288)
340.2472	**348.0297**	**352.2728**	**354.2579**	**363.2201**	**366.0971**	**369.2383**	**393.2743**	**396.1679**	**424.1623**
				GDAF-28(148)			y_3(127)		
456.7517	**461.7489**	**473.3350**	**476.2880**	**491.3566**	**504.9061**	**505.2889**	**508.3676**	**509.3734**	**532.3111**
		y_9-$SOCH_4^{+2}$(194)	a_5-H_2O(79) IGDAF-28(79)	y_4-NH_3(268)		y_9^{+2}(92)	y_4(229)		y_{10}-NH_3^{+2}(120)
540.7969	**572.7375**	**597.3297**	**631.8143**	**640.8477**	**672.3218**	**718.4036**	**758.3706**	**775.4554**	**1009.5263**
y_{10}^{+2}(67)		y_{11}^{+2}(45)	y_{12}-H_2O^{+2}(1.2)	y_{12}^{+2}(45)			y_7-NH_3(-17)	y_7(59)	y_9(49)

[–] **Main Sequence Ions**

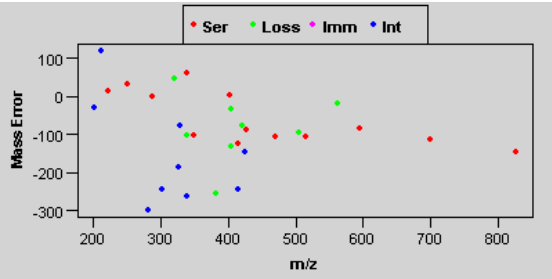
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1443.6937	722.3505
338.1347	3	S	12	1280.6303	640.8188
451.2187	4	L	11	1193.5983	597.3028
522.2558	5	A	10	1080.5143	540.7608
669.2912	6	M(Oxidation)	9	1009.4771	505.2422
756.3233	7	S	8	862.4417	431.7245
853.3760	8	P	7	775.4097	388.2085
966.4601	9	I	6	678.3570	339.6821
1023.4816	10	G	5	565.2729	283.1401
1138.5085	11	D	4	508.2514	254.6293
1209.5456	12	A	3	393.2245	197.1159
1356.6140	13	F	2	322.1874	161.5973
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLKLSPNLR^{+3}



Max Intensity: **27.3**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **84.2%** Matched Series Intensity: **81.1%**



Sequence: SYSLKLSPNLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H97 N16 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1278.5032	1277.7212	639.7553	639.3642	426.8393	426.5786

[–] Peak Matches

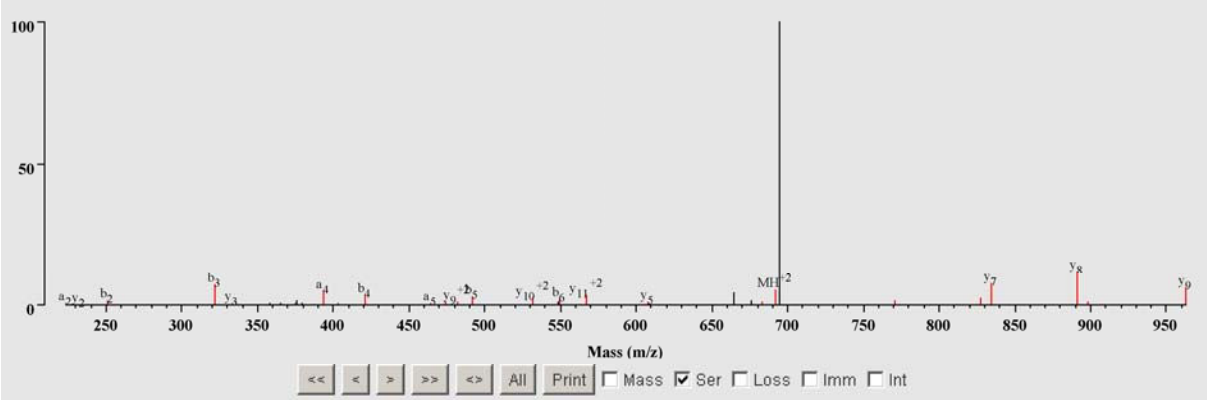
172.1284	175.0144	194.1198	201.1173	210.1001	212.1283	223.1103	227.0702	251.1108	255.0885
			SL(-30) LS(-30)		PN(119)	YS-28(12) a_2(12)		YS(33) b_2(33)	
265.0524	**271.0564**	**281.0404**	**288.2026**	**301.1494**	**315.0892**	**317.0594**	**320.1388**	**327.2147**	**329.1932**
		SPN-H_2O(-299)	y_2(-1.4)	KLS-28(-246) SLK-28(-246)			b_3-H_2O(46)	LKL-28(-186)	SLK(-76) KLS(-76)
338.1546	**344.1848**	**350.1752**	**356.0615**	**381.1165**	**383.1459**	**385.0619**	**402.2471**	**405.2001**	**414.2069**
b_3(59) b_6-NH_3^{+2}(-102) LKL-NH_3(-264)		y_6^{+2}(-102)		b_7-H_2O^{+2}(-254)			y_3(2.9)	a_4-H_2O(-32) y_7-H_2O^{+2}(-131)	y_7^{+2}(-125) LKLS-28(-243) SLKL-28(-243)
420.5426	**424.2303**	**426.5413**	**470.7496**	**505.2621**	**514.2618**	**562.2770**	**595.7970**	**699.3361**	**827.3886**
MH-H_2O^{+3}(-77)	LKLS-H_2O(-145) SLKL-H_2O(-145)	MH^{+3}(-87)	y_8^{+2}(-108)	y_9-H_2O^{+2}(-97)	y_9^{+2}(-106)	b_5-NH_3(-18)	y_{10}^{+2}(-86)	y_6(-113)	y_7(-146)

[–] Main Sequence Ions

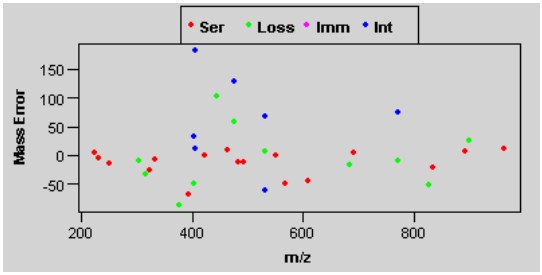
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1190.6892	595.8482
338.1347	---	3	S 9	1027.6259	514.3166
451.2187	---	4	L 8	940.5938	470.8006
579.3137	290.1605	5	K 7	827.5098	414.2585
692.3978	346.7025	6	L 6	699.4148	350.2110
779.4298	390.2185	7	S 5	586.3307	293.6690
876.4825	438.7449	8	P 4	499.2987	250.1530
990.5255	495.7664	9	N 3	402.2459	201.6266
1103.6095	552.3084	10	L 2	288.2030	144.6051
---	---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVAGPEM(Oxidation)QTGR^{+2}



Max Intensity: **25.9**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **40.6%** Matched Series Intensity: **38.3%**



Sequence: SYAVAGPEM(Oxidation)QTGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H92 N17 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1383.3701	1382.6369	692.1888	691.8221

[–] Peak Matches

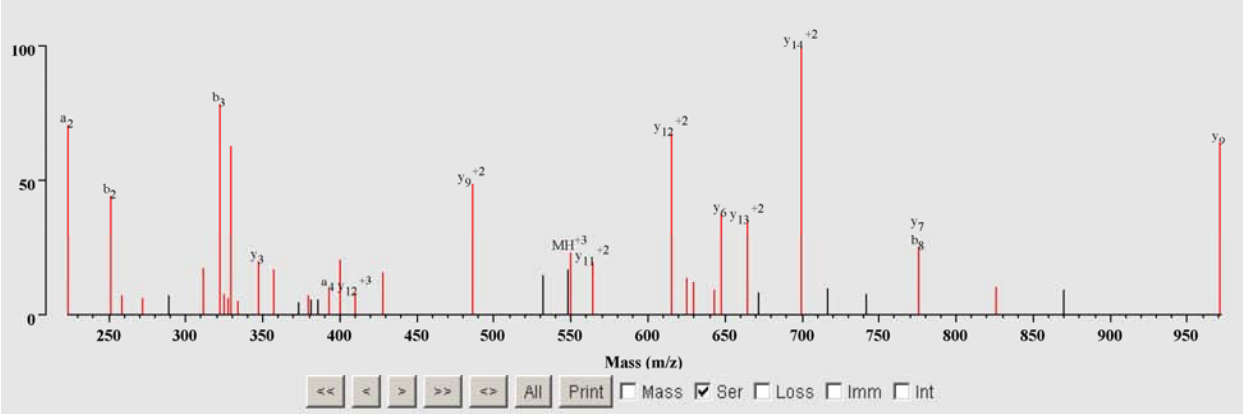
223.1088	232.1392	251.0988	304.1265	315.1671	322.1315	333.1854	348.1422	358.1830	365.1256
a_2(4.8)	y_2(-5.2)	b_2(-15)	b_3-H_2O(-8.8)	y_3-H_2O(-33)	b_3(-26)	y_3(-8.1)			
375.1701	**376.2066**	**379.1424**	**386.2247**	**393.1867**	**403.1778**	**405.2178**	**418.1770**	**421.2077**	**444.2663**
a_4-H_2O(-87)				a_4(-68)	GPEM(Oxidation)-28(33) b_4-H_2O(-49)	EM(Oxidation)Q(183) YAVA(11)		b_4(-1.1)	y_4-NH_3(104)
464.2549	**474.2627**	**481.7165**	**492.2393**	**531.2598**	**548.2621**	**549.2665**	**566.7460**	**608.2554**	**664.3622**
a_5(9.8)	AGPEM(Oxidation)-28(129) PEM(Oxidation)Q-28(129) b_5-H_2O(59)	y_9^{+2}(-11)	b_5(-12)	GPEM(Oxidation)Q-28(69) y_{10}^{+2}(7.4) b_6-H_2O(6.8) YAVAGP-28(-62)		b_6(-0.43)	y_{11}^{+2}(-50)	y_5(-44)	
676.3285	**683.2978**	**691.8255**	**694.3572**	**770.3717**	**827.3588**	**834.3596**	**891.4051**	**898.4613**	**962.4463**
	MH-NH_3^{+2}(-16)	MH^{+2}(4.9)		AGPEM(Oxidation)QTG-H_2O(75) y_7-$SOCH_4$(-9.7)	y_8-$SOCH_4$(-51)	y_7(-21)	y_8(7.0)	y_9-$SOCH_4$(26)	y_9(11)

[–] Main Sequence Ions

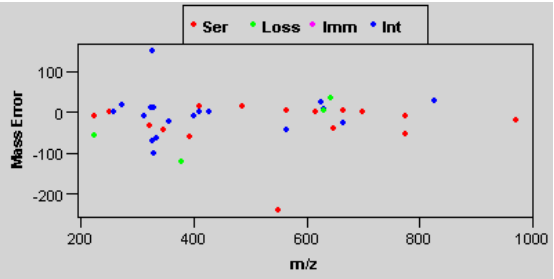
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1295.6049	648.3061
322.1397	3	A	11	1132.5415	566.7744
421.2082	4	V	10	1061.5044	531.2558
492.2453	5	A	9	962.4360	481.7216
549.2667	6	G	8	891.3989	446.2031
646.3195	7	P	7	834.3774	417.6924
775.3621	8	E	6	737.3247	369.1660
922.3975	9	M(Oxidation)	5	608.2821	304.6447
1050.4561	10	Q	4	461.2467	231.1270
1151.5038	11	T	3	333.1881	167.0977
1208.5252	12	G	2	232.1404	116.5738
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVTGVPVKGQDTVK^{+3}



Max Intensity: **2.55**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **90.9%** Matched Series Intensity: **90.6%**



Sequence: SYAVTGVPVKGQDTVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H122 N19 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1649.8960	1648.8905	825.4517	824.9489	550.6370	550.3017

[–] Peak Matches

223.1054	251.1027	258.1453	272.1650	289.1183	311.1684	322.1293	325.2269	327.1791	329.1853
a_2(-10) y_4-NH_3^{+2}(-58)	b_2(0.27)	TGV(1.8) VTG(1.8)	AVT(17)		AVTG-H_2O(-9.6)	b_3(-32)	PVK(11) GVPV-28(11)	QDT-H_2O(150) TGVP-28(-72)	AVTG(10) y_3-H_2O(-100) VTGV-28(-100)
334.1549	**347.2135**	**357.2052**	**373.0333**	**379.1678**	**381.1610**	**386.1741**	**393.1901**	**400.2522**	**410.2402**
YAV(-64)	y_3(-44)	VTGV(-23)		y_7-H_2O^{+2}(-121)			a_4(-59)	AVTGV-28(-8.1)	y_{12}^{+3}(13) AVTGV-H_2O(0.99)
428.2513	**486.2870**	**532.1655**	**548.2620**	**550.1697**	**564.3263**	**614.8492**	**625.3466**	**629.3300**	**643.3477**
AVTGV(2.2)	y_9^{+2}(15)			MH^{+3}(-240)	y_{11}^{+2}(3.0) TGVPVK-H_2O(-43)	y_{12}^{+2}(1.3)	PVKGQD(26)	VKGQDT(7.4) y_6-H_2O(7.4) KGQDTV(7.4) a_{13}-NH_3^{+2}(4.2)	b_{13}-NH_3^{+2}(36)
647.3103	**664.3845**	**671.3460**	**699.9005**	**716.3679**	**741.2888**	**775.3903**	**825.4684**	**869.4857**	**971.5334**
y_6(-40)	y_{13}^{+2}(2.8) VTGVPVK-NH_3(-28)		y_{14}^{+2}(-0.96)			b_8(-11) y_7(-52)	VPVKGQDT(27) PVKGQDTV(27)		y_9(-19)

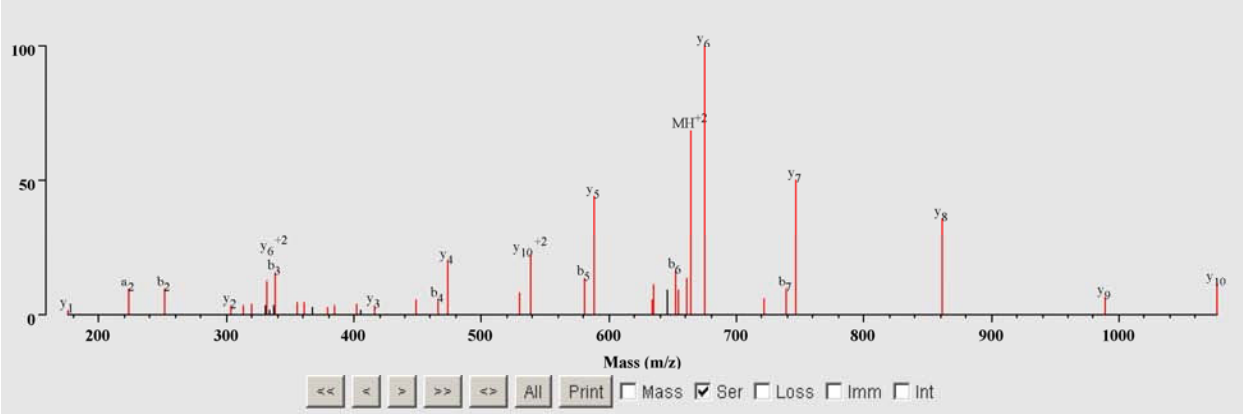
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1561.8584	781.4329
322.1397	---	3	**A**	14	1398.7951	699.9012
421.2082	---	4	**V**	13	1327.7580	664.3826
522.2558	---	5	**T**	12	1228.6896	614.8484
579.2773	---	6	**G**	11	1127.6419	564.3246
678.3457	---	7	**V**	10	1070.6204	535.8139
775.3985	---	8	**P**	9	971.5520	486.2796
874.4669	---	9	**V**	8	874.4993	437.7533
1002.5619	501.7846	10	**K**	7	775.4308	388.2191
1059.5833	530.2953	11	**G**	6	647.3359	324.1716
1187.6419	594.3246	12	**Q**	5	590.3144	295.6608
1302.6688	651.8381	13	**D**	4	462.2558	231.6316
1403.7165	702.3619	14	**T**	3	347.2289	174.1181
1502.7849	751.8961	15	**V**	2	246.1812	123.5942

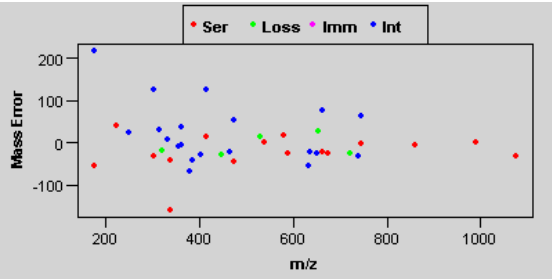
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSQDASDGLQR^{+2}



Max Intensity: **5.08**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.0%** Matched Series Intensity: **95.4%**



Sequence SYSQDASDGLQR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C53 H84 N17 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1327.3580	1326.5920	664.1827	663.7997

[–] Peak Matches

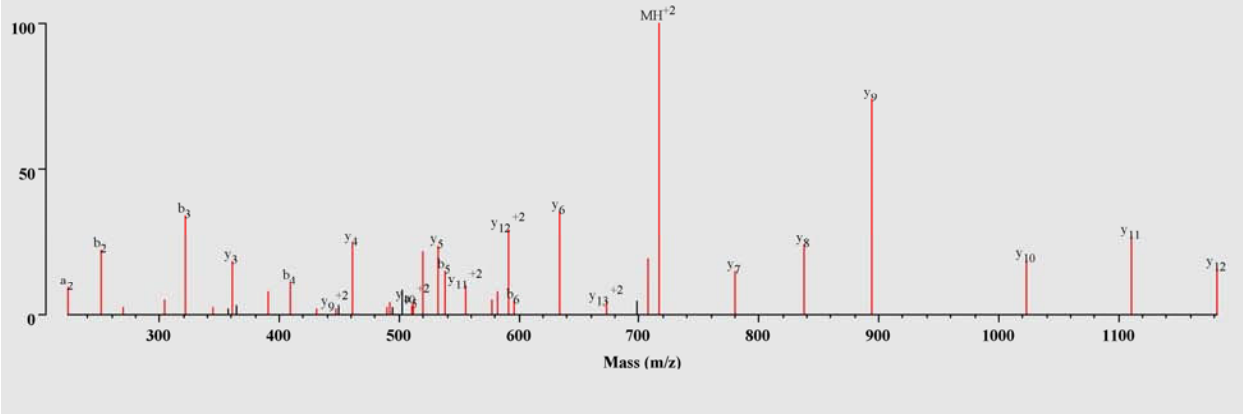
175.1093	223.1167	251.1087	303.1677	313.1232	320.1177	330.1597	331.1270	334.1342	337.1480
SD-28(217) y_1(-55)	YS-28(40) a_2(40)	b_2(24) YS(24)	ASDG-28(125) SQD-28(125) y_2(-32)	ASDG-H_2O(29) SQD-H_2O(29)	b_3-H_2O(-20)		ASDG(6.6) SQD(6.6)		
338.1202	**355.1581**	**361.1481**	**367.1283**	**379.1347**	**385.1183**	**402.1500**	**405.1089**	**416.2665**	**448.1689**
b_3(-43) y_6^{+2}(-161)	SDGL-H_2O(-8.8)	DASD-28(35) YSQ-H_2O(-7.1)		YSQ(-70)	QDAS-NH_3(-44) SQDA-NH_3(-44)	SQDA(-30) QDAS(-30)		ASDGL-28(126) y_3(12)	b_4-H_2O(-31)
466.1819	**473.2612**	**530.2458**	**538.7515**	**581.2293**	**588.2950**	**634.2118**	**635.2157**	**646.2150**	**652.2395**
b_4(-24) YSQD-28(-24)	SDGLQ-28(54) y_4(-46)	y_{10}-NH_3^{+2}(13)	y_{10}^{+2}(-0.90)	b_5(16)	y_5(-25)	b_6-H_2O(-55) YSQDAS-H_2O(-55)	b_6-NH_3(-24) YSQDAS-NH_3(-24)		b_6(-27) YSQDAS(-27)
654.8116	**661.2921**	**663.7844**	**675.3249**	**721.2606**	**739.2646**	**746.3769**	**861.3996**	**989.4643**	**1076.4607**
MH-H_2O^{+2}(26)	SQDASDG(75)	MH^{+2}(-23)	y_6(-25)	b_7-H_2O(-25)	b_7(-33) YSQDASD-28(-33)	SQDASDGL-28(61) y_7(-3.0)	y_8(-7.5)	y_9(-0.37)	y_{10}(-33)

[–] Main Sequence Ions

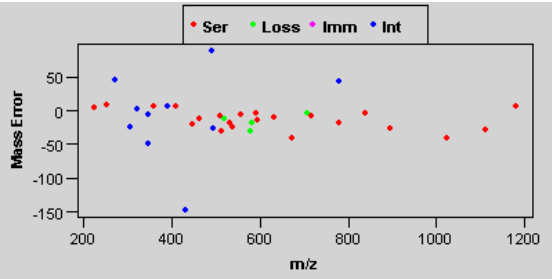
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1239.5600	620.2836
338.1347	3	S	10	1076.4967	538.7520
466.1932	4	Q	9	989.4647	495.2360
581.2202	5	D	8	861.4061	431.2067
652.2573	6	A	7	746.3791	373.6932
739.2893	7	S	6	675.3420	338.1747
854.3163	8	D	5	588.3100	294.6586
911.3377	9	G	4	473.2831	237.1452
1024.4218	10	L	3	416.2616	208.6344
1152.4804	11	Q	2	303.1775	152.0924
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASEGGFTATGQR^{+2}



Max Intensity: **11.2**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.2%** Matched Series Intensity: **95.3%**



Sequence SYASEGGFTATGQR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C60 H91 N18 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1432.4983	1431.6499	716.7529	716.3286

[–] **Peak Matches**

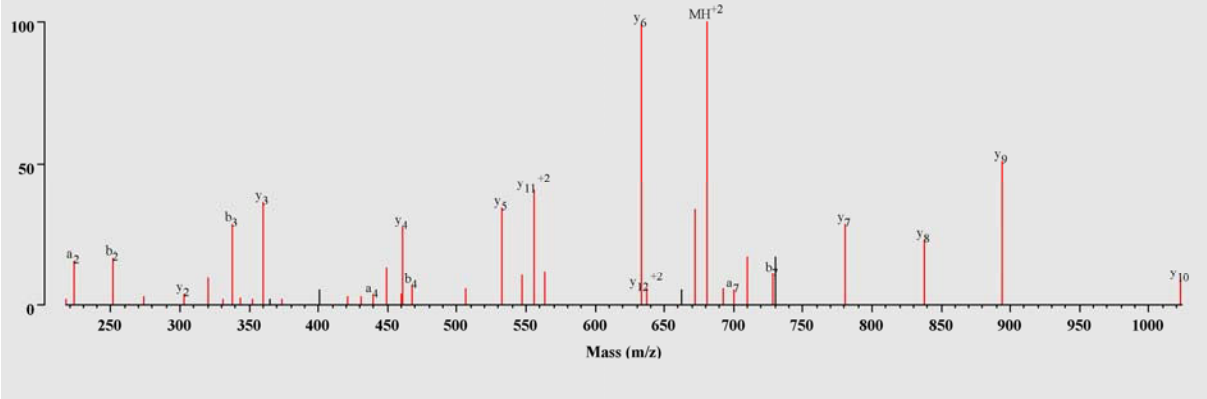
223.1085	251.1047	270.1209	304.1216	322.1408	345.1386	357.1333	360.2017	364.1513	391.1639
a_2(3.5)	b_2(8.2)	ASE-H_2O(46) TGQ-NH_3(46)	b_3-H_2O(-25) YAS-H_2O(-25)	b_3(3.3) YAS(3.3)	ASEG(-5.4) GGFT-H_2O(-50)		y_3(7.5)		b_4-H_2O(6.9) EGGF(6.9)
409.1742	**431.1609**	**447.7155**	**449.1645**	**461.2407**	**490.2370**	**492.1961**	**494.2200**	**502.2048**	**510.2150**
b_4(5.9)	TATGQ-28(-148)	y_9^{+2}(-21)		y_4(-13)	YASEG-H_2O(89)	a_5-H_2O(-26) EGGFT(-26)			a_5(-8.7)
512.2307	**520.1971**	**532.2740**	**538.2008**	**555.7588**	**577.2080**	**582.2643**	**591.2781**	**595.2267**	**633.3257**
y_{10}^{+2}(-31)	b_5-H_2O(-13)	y_5(-18)	b_5(-25)	y_{11}^{+2}(-6.4)	b_6-H_2O(-30)	y_{12}-H_2O^{+2}(-19)	y_{12}^{+2}(-4.8)	b_6(-15)	y_6(-9.1)
672.7856	**698.3168**	**707.3213**	**716.3226**	**780.3861**	**837.4178**	**894.4188**	**1023.4449**	**1110.4866**	**1181.5633**
y_{13}^{+2}(-40)		MH-H_2O^{+2}(-2.8)	MH^{+2}(-8.4)	SEGGFTATG-28(43) y_7(-18)	y_8(-4.2)	y_9(-27)	y_{10}(-40)	y_{11}(-28)	y_{12}(7.4)

[–] **Main Sequence Ions**

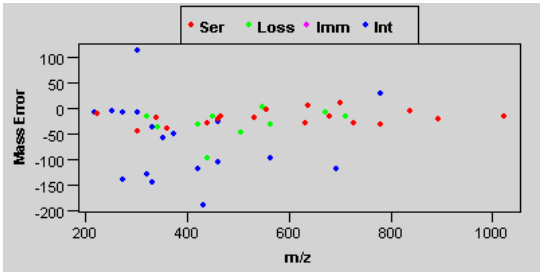
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1344.6179	672.8126
322.1397	3	A	12	1181.5545	591.2809
409.1718	4	S	11	1110.5174	555.7624
538.2144	5	E	10	1023.4854	512.2463
595.2358	6	G	9	894.4428	447.7250
652.2573	7	G	8	837.4213	419.2143
799.3257	8	F	7	780.3999	390.7036
900.3734	9	T	6	633.3315	317.1694
971.4105	10	A	5	532.2838	266.6455
1072.4582	11	T	4	461.2467	231.1270
1129.4796	12	G	3	360.1990	180.6031
1257.5382	13	Q	2	303.1775	152.0924
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSEGGFTATGQR^{+2}



Max Intensity: **19.3**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **95.7%** Matched Series Intensity: **94.7%**



Sequence SYSEGGFTATGQR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H86 N17 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1361.4190	1360.6128	681.2132	680.8100

[–] Peak Matches

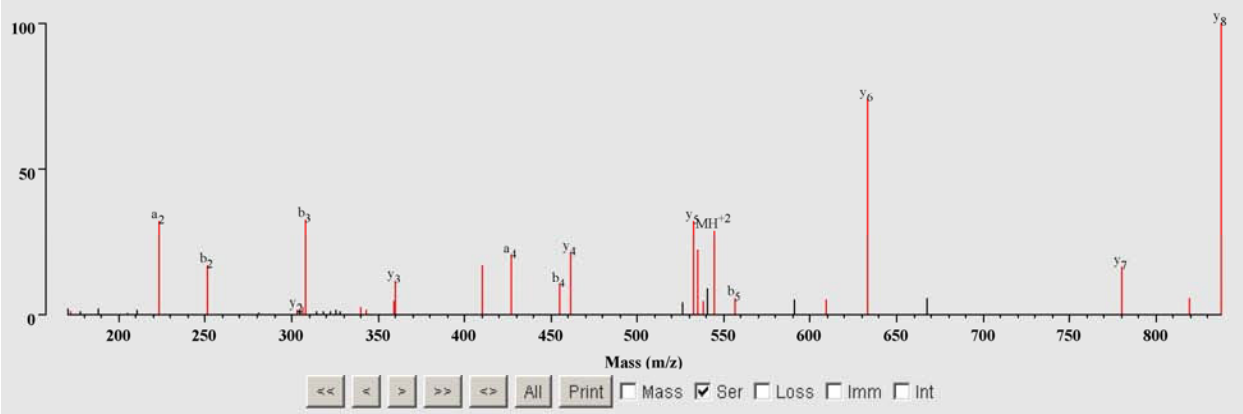
217.0801	223.1054	251.1012	274.1016	303.1644	320.1194	331.1132	338.1289	343.1600	352.1304
SE(-8.3)	YS-28(-10) a_2(-10)	b_2(-5.7) YS(-5.7)	SEG(-6.4) TAT(-139)	SEGG-28(114) TATG-28(-6.3) y_2(-43)	b_3-H_2O(-15) FTA(-128)	SEGG(-35) TATG(-145)	b_3(-17)	y_3-NH_3(-36)	YSE-28(-57)
360.1846	**365.1180**	**373.1320**	**401.2091**	**421.1589**	**431.1433**	**439.1695**	**449.1593**	**460.1706**	**461.2372**
y_3(-40)		EGGF-H_2O(-50)		a_4-H_2O(-31) FTAT(-117)	TATGQ-28(-189)	a_4(-29) y_9-NH_3^{+2}(-96)	b_4-H_2O(-16)	SEGGF-H_2O(-26) FTATG-H_2O(-105) GFTAT-H_2O(-105)	y_4(-21)
467.1696	**506.1647**	**532.2747**	**546.7582**	**555.7608**	**563.1914**	**633.3135**	**637.2976**	**662.7898**	**671.7998**
b_4(-16)	b_5-H_2O(-46)	y_5(-17)	y_{11}-H_2O^{+2}(2.1)	y_{11}^{+2}(-2.8)	b_6-H_2O(-32) EGGFTA(-97)	y_6(-28)	y_{12}^{+2}(5.6)		MH-H_2O^{+2}(-7.4)
680.7989	**692.2541**	**700.3013**	**710.2680**	**728.2680**	**730.3436**	**780.3754**	**837.4185**	**894.4238**	**1023.4699**
MH^{+2}(-16)	GGFTATGQ-28(-119)	a_7(11)	b_7-H_2O(-14)	b_7(-28)		SEGGFTATG-28(30) y_7(-31)	y_8(-3.4)	y_9(-21)	y_{10}(-15)

[–] Main Sequence Ions

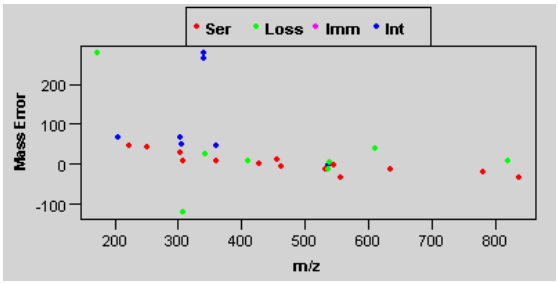
b			y	y^{+2}
---	1	S	1273.5808	637.2940
251.1026	2	Y	1110.5174	555.7624
338.1347	3	S	1023.4854	512.2463
467.1773	4	E	894.4428	447.7250
524.1987	5	G	837.4213	419.2143
581.2202	6	G	780.3999	390.7036
728.2886	7	F	633.3315	317.1694
829.3363	8	T	532.2838	266.6455
900.3734	9	A	461.2467	231.1270
1001.4211	10	T	360.1990	180.6031
1058.4425	11	G	303.1775	152.0924
1186.5011	12	Q	175.1190	88.0631
---	13	R	---	---

[+] All Sequence Ions
[+] Internal Ions
[+] Theoretical Peak Table

SYGFTATGQR^{+2}



Max Intensity: **11.5**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **92.3%** Matched Series Intensity: **91.5%**



Sequence SYGFTATGQR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C47 H71 N14 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1088.1719	1087.5167	544.5897	544.2620

[–] **Peak Matches**

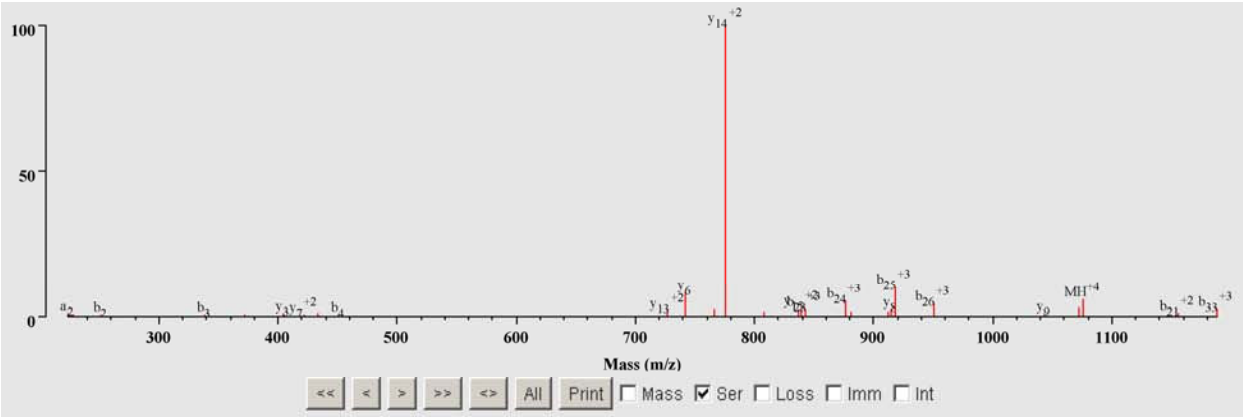
170.1224	172.1378	178.0935	188.1283	205.1106	210.1285	223.1179	251.1133	281.0942	303.1867
	y_3-NH_3^{+2}(279)			a_2-H_2O(66) GF(66)		a_2(46)	b_2(42)		TATG-28(67) y_2(30)
305.1722	**306.1599**	**308.1269**	**314.1377**	**318.1490**	**322.1077**	**325.1652**	**328.0555**	**340.2559**	**343.1808**
	GFT(49)	b_3(9.1) y_6-H_2O^{+2}(-121)						ATGQ-H_2O(277) YGF-28(266)	y_3-NH_3(24)
359.1884	**360.2024**	**410.2126**	**427.1979**	**455.1977**	**461.2444**	**526.2374**	**532.2766**	**535.2500**	**538.2317**
GFTA-H_2O(47)	y_3(9.5)	y_8-H_2O^{+2}(8.7)	a_4(0.71)	b_4(11)	y_4(-4.9)		y_5(-13)	GFTATG(-2.0) MH-H_2O^{+2}(-13)	b_5-H_2O(3.9)
540.5878	**544.2597**	**556.2221**	**591.2618**	**609.2904**	**633.3233**	**667.8150**	**780.3838**	**819.4170**	**837.3934**
	MH^{+2}(-4.2)	b_5(-33)		b_6-H_2O(39)	y_6(-13)		y_7(-21)	y_8-H_2O(7.6)	y_8(-33)

[–] **Main Sequence Ions**

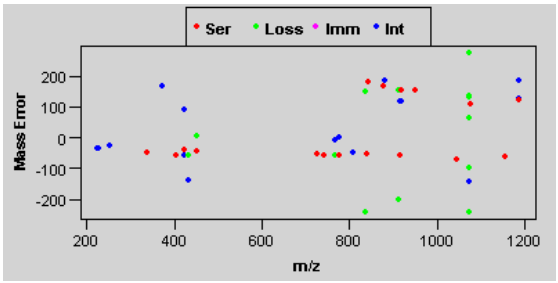
b			y	y^{+2}
---	1	**S** 10	---	---
251.1026	2	**Y** 9	1000.4847	500.7460
308.1241	3	**G** 8	837.4213	419.2143
455.1925	4	**F** 7	780.3999	390.7036
556.2402	5	**T** 6	633.3315	317.1694
627.2773	6	**A** 5	532.2838	266.6455
728.3250	7	**T** 4	461.2467	231.1270
785.3464	8	**G** 3	360.1990	180.6031
913.4050	9	**Q** 2	303.1775	152.0924
---	10	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLPM(Oxidation)DHPDSSQHGPPFEGQSQVQPPPSQEATPLQQEK^{+4}



Max Intensity: **527**
Num Matched: **29/29 (0.0% unmatched)** Matched Intensity: **100.0%** Matched Series Intensity: **100.0%**



Sequence: SYSLPM(Oxidation)DHPDSSQHGPPFEGQSQVQPPPSQEATPLQQEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C185 H278 N51 O66 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
4304.4757	4301.9680	2152.7416	2151.4876	1435.4969	1434.6609	1076.8745	1076.2475

[–] Peak Matches

223.1000	228.1263	251.0959	338.1183	372.1951	404.1908	422.2153	433.1833	451.1986	726.8319
a_2(-35) YS-28(-35)	VQ(-35) QV(-35)	b_2(-27) YS(-27)	b_3(-48)	M(Oxidation)DH-28(165)	y_3(-57)	SSQH-H_2O(88) y_7^{+2}(-40) VQPP(-58) TPLQ-H_2O(-58)	b_4-H_2O(-57) YSLP-28(-141)	a_8-H_2O^{+2}(2.9) b_4(-45)	y_{13}^{+2}(-53)
742.3655	**766.3485**	**775.3531**	**808.3445**	**836.8140**	**839.3808**	**842.8432**	**875.8599**	**881.5462**	**912.5395**
y_6(-59)	SLPM(Oxidation)DHP-28(-8.8) y_{14}-H_2O^{+2}(-56)	QHGPPFE-H_2O(1.2) y_{14}^{+2}(-56)	PPSQEATP(-48) PPPSQEAT(-48)	b_{23}-H_2O^{+3}(150) b_{23}-NH_3^{+3}(-242)	y_{15}^{+2}(-54)	b_{23}^{+3}(179)	b_{24}^{+3}(165)	SLPM(Oxidation)DHPD-28(186) LPM(Oxidation)DHPDS-28(186)	b_{25}-H_2O^{+3}(155) b_{25}-NH_3^{+3}(-204)
914.4397	**918.5411**	**950.8993**	**1043.4631**	**1071.8836**	**1072.2860**	**1076.3612**	**1155.9176**	**1187.6735**	
M(Oxidation)DHPDSSQ(119) y_8(-60)	b_{25}^{+3}(152) QPPPSQEAT-H_2O(119)	b_{26}^{+3}(155)	y_9(-71)	MH-H_2O^{+4}(129) a_{30}-H_2O^{+3}(63) MH-NH_3^{+4}(-100) a_{30}-NH_3^{+3}(-243)	MH-NH_3^{+4}(275) a_{30}-NH_3^{+3}(133) YSLPM(Oxidation)DHPD(-144)	MH^{+4}(106)	b_{21}^{+2}(-62)	PM(Oxidation)DHPDSSQHG-H_2O(185) M(Oxidation)DHPDSSQHGP-H_2O(185) HPDSSQHGPPF(127) b_{33}^{+3}(123)	

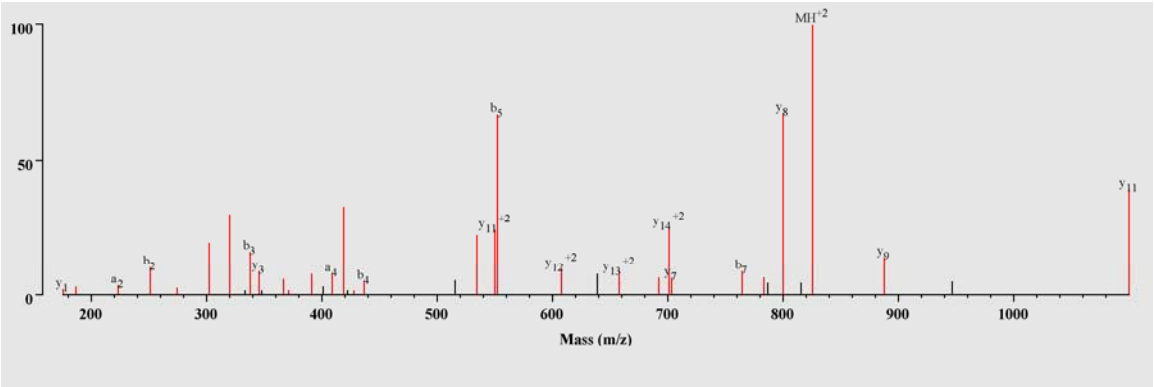
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	39	---	---
251.1026	---	2	**Y**	38	4214.9360	2107.9716
338.1347	---	3	**S**	37	4051.8727	2026.4400
451.2187	---	4	**L**	36	3964.8406	1982.9240
548.2715	---	5	**P**	35	3851.7566	1926.3819
695.3069	---	6	**M(Oxidation)**	34	3754.7038	1877.8555
810.3338	---	7	**D**	33	3607.6684	1804.3378
947.3927	474.2000	8	**H**	32	3492.6415	1746.8244
1044.4455	522.7264	9	**P**	31	3355.5826	1678.2949
1159.4725	580.2399	10	**D**	30	3258.5298	1629.7685
1246.5045	623.7559	11	**S**	29	3143.5028	1572.2551
1333.5365	667.2719	12	**S**	28	3056.4708	1528.7390

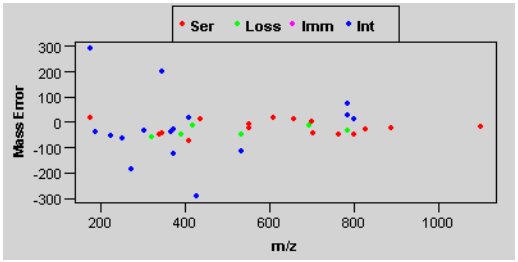
1461.5951	731.3012	13	**Q**	27	2969.4388	1485.2230
1598.6540	799.8306	14	**H**	26	2841.3802	1421.1937
1655.6755	828.3414	15	**G**	25	2704.3213	1352.6643
1752.7282	876.8678	16	**P**	24	2647.2998	1324.1536
1849.7810	925.3941	17	**P**	23	2550.2471	1275.6272
1996.8494	998.9283	18	**F**	22	2453.1943	1227.1008
2125.8920	1063.4496	19	**E**	21	2306.1259	1153.5666
2182.9135	1091.9604	20	**G**	20	2177.0833	1089.0453
2310.9720	1155.9897	21	**Q**	19	2120.0618	1060.5346
2398.0041	1199.5057	22	**S**	18	1992.0033	996.5053
2526.0626	1263.5350	23	**Q**	17	1904.9712	952.9893
2625.1311	1313.0692	24	**V**	16	1776.9127	888.9600
2753.1896	1377.0985	25	**Q**	15	1677.8442	839.4258
2850.2424	1425.6248	26	**P**	14	1549.7857	775.3965
2947.2952	1474.1512	27	**P**	13	1452.7329	726.8701
3044.3479	1522.6776	28	**P**	12	1355.6801	678.3437
3131.3800	1566.1936	29	**S**	11	1258.6274	629.8173
3259.4385	1630.2229	30	**Q**	10	1171.5953	586.3013
3388.4811	1694.7442	31	**E**	9	1043.5368	522.2720
3459.5182	1730.2628	32	**A**	8	914.4942	457.7507
3560.5659	1780.7866	33	**T**	7	843.4571	422.2322
3657.6187	1829.3130	34	**P**	6	742.4094	371.7083
3770.7027	1885.8550	35	**L**	5	645.3566	323.1819
3898.7613	1949.8843	36	**Q**	4	532.2726	266.6399
4026.8199	2013.9136	37	**Q**	3	404.2140	202.6106
4155.8625	2078.4349	38	**E**	2	276.1554	138.5813
---	---	39	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVDPDSPAEASGLR^{+2}



Max Intensity: **1.44**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **92.0%** Matched Series Intensity: **90.5%**



Sequence: SYSVDPDSPAEASGLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H108 N19 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1651.7374	1650.7606	826.3724	825.8839

[–] **Peak Matches**

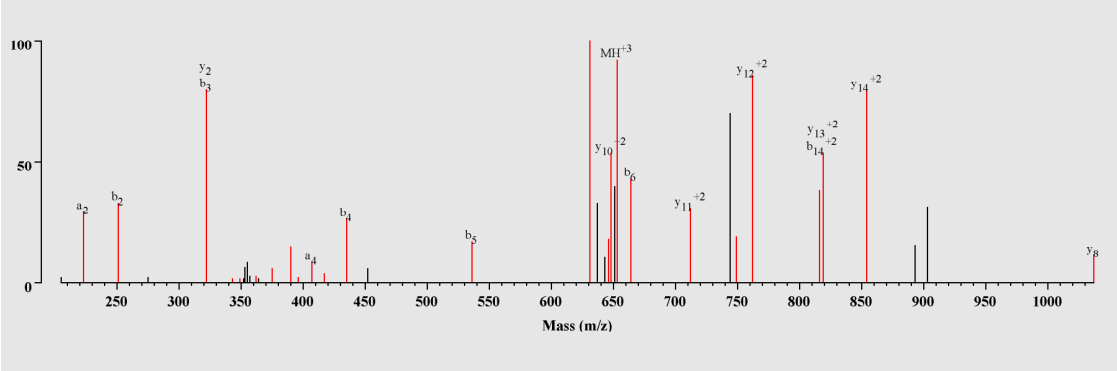
175.1225	187.1009	223.0961	251.0868	274.0896	302.1243	320.1063	333.1664	338.1189	345.2097
DS-28(292) y_1(20)	VD-28(-36) SV(-36)	a_2(-52) YS-28(-52)	b_2(-63) YS(-63)	SVD-28(-183)	SVD(-34)	b_3-H_2O(-56)		b_3(-47)	EASG(201) y_3(-43)
348.0486	**367.1468**	**371.1458**	**391.1792**	**401.1810**	**409.1791**	**419.1880**	**422.1407**	**428.0890**	**437.2082**
	SPAE-H_2O(-39)	DSPA(-28) SVDP-28(-126)	a_4-H_2O(-47)		VDPD-H_2O(18) a_4(-71)	b_4-H_2O(-11)		SPAEA-28(-292) PAEAS-28(-292)	YSVD-28(12) b_4(12)
516.1799	**534.1938**	**550.2674**	**552.2185**	**607.7956**	**639.3158**	**657.3279**	**692.3136**	**700.8371**	**703.3425**
	b_5-H_2O(-48) YSVDP-28(-116)	y_{11}^{+2}(-9.4)	b_5(-21)	y_{12}^{+2}(16)		y_{13}^{+2}(12)	y_{14}-NH_3^{+2}(-14)	y_{14}^{+2}(1.2)	y_7(-44)
764.2732	**783.3751**	**786.4273**	**800.3895**	**816.0691**	**825.3862**	**825.8621**	**887.4390**	**946.9230**	**1099.5184**
YSVDPDS(-48) b_7(-48)	DPDSPAEA(76) VDPDSPAE-28(30) y_8-NH_3(-31)		DSPAEASGL-28(14) y_8(-46)			MH^{+2}(-26)	y_9(-22)		y_{11}(-18)

[–] **Main Sequence Ions**

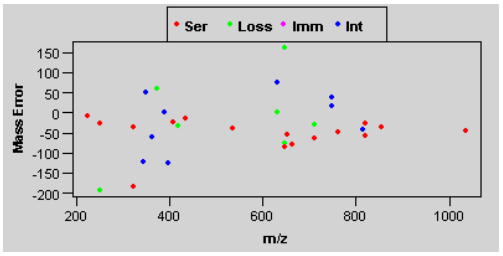
b			y	y^{+2}
---	1	S	16 ---	---
251.1026	2	Y	15 1563.7285	782.3679
338.1347	3	S	14 1400.6652	700.8362
437.2031	4	V	13 1313.6332	657.3202
552.2300	5	D	12 1214.5648	607.7860
649.2828	6	P	11 1099.5378	550.2726
764.3097	7	D	10 1002.4851	501.7462
851.3418	8	S	9 887.4581	444.2327
948.3945	9	P	8 800.4261	400.7167
1019.4316	10	A	7 703.3733	352.1903
1148.4742	11	E	6 632.3362	316.6717
1219.5113	12	A	5 503.2936	252.1504
1306.5434	13	S	4 432.2565	216.6319
1363.5648	14	G	3 345.2245	173.1159
1476.6489	15	L	2 288.2030	144.6051
---	16	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALTKEELEFEVPFR^{+3}



Max Intensity: **3.22**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **77.0%** Matched Series Intensity: **73.5%**



Sequence: SYALTKEELEFEVPFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C91 H137 N20 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1959.2198	1957.9906	980.1136	979.4989	653.7449	653.3350

[–] Peak Matches

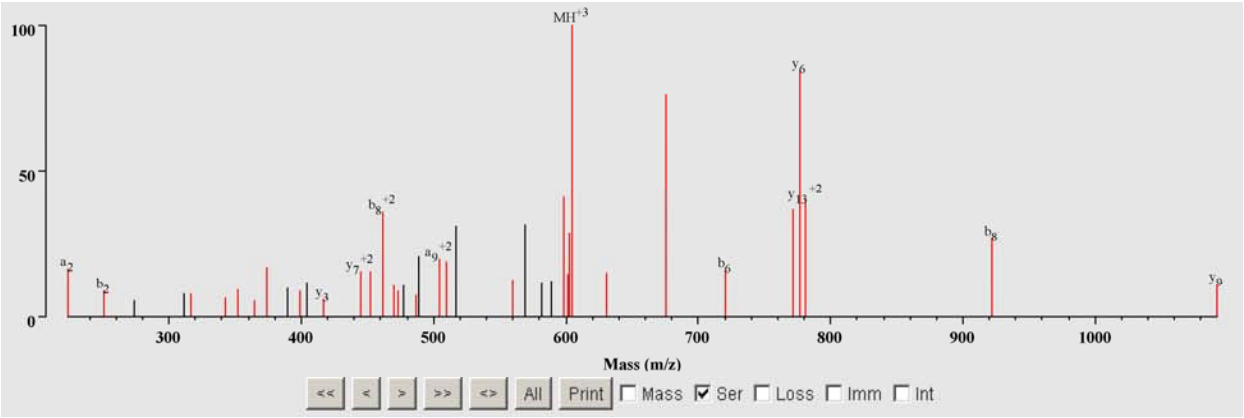
204.1386	223.1060	251.0958	275.1625	322.1281	343.1920	348.2094	352.0384	353.1759	355.0586
	a_2(-7.7)	b_2(-27) y_4-NH_3^{+2}(-194)		b_3(-36) y_2(-184)	LTK(-122)	YAL(51) FEV-28(51)			
356.2581	**362.1853**	**364.1604**	**374.2284**	**390.2026**	**396.2104**	**407.2190**	**417.2001**	**435.2175**	**451.7369**
	LEF-28(-61)		a_7-H_2O^{+2}(61)	LEF(0.65)	ALTK-H_2O(-127)	a_4(-24)	b_4-H_2O(-32)	b_4(-15)	
536.2499	**630.3251**	**636.8125**	**643.2875**	**646.3014**	**647.7644**	**650.8332**	**651.2944**	**653.2985**	**664.3135**
b_5(-40)	ELEFE-H_2O(76) EELEF-H_2O(76) y_5-NH_3(0.81)			b_6-H_2O(-84)	MH-NH_3^{+2}(162) b_{11}-NH_3^{+2}(-76) y_{10}^{+2}(-85)			MH^{+3}(-56)	b_6(-80)
711.8223	**744.3660**	**749.3635**	**762.3538**	**815.4174**	**818.8863**	**854.4208**	**893.4126**	**902.4462**	**1036.5003**
b_{12}-H_2O^{+2}(-29) y_{11}^{+2}(-63)		EELEFE-28(38) EFEVPF(17)	y_{12}^{+2}(-48)	LTKEELE-28(-41)	b_{14}^{+2}(-28) y_{13}^{+2}(-57)	y_{14}^{+2}(-36)			y_8(-44)

[–] Main Sequence Ions

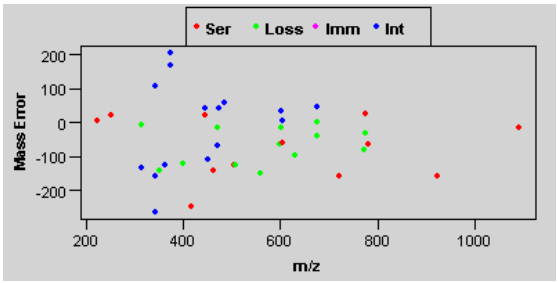
b	b^{+2}			y	y^{+2}
---	---	1	S 16	---	---
251.1026	---	2	Y 15	1870.9585	935.9829
322.1397	---	3	A 14	1707.8952	854.4512
435.2238	---	4	L 13	1636.8581	818.9327
536.2715	---	5	T 12	1523.7740	762.3907
664.3665	332.6869	6	K 11	1422.7264	711.8668
793.4090	397.2082	7	E 10	1294.6314	647.8193
922.4516	461.7295	8	E 9	1165.5888	583.2980
1035.5357	518.2715	9	L 8	1036.5462	518.7767
1164.5783	582.7928	10	E 7	923.4621	462.2347
1311.6467	656.3270	11	F 6	794.4196	397.7134
1440.6893	720.8483	12	E 5	647.3511	324.1792
1539.7577	770.3825	13	V 4	518.3085	259.6579
1636.8105	818.9089	14	P 3	419.2401	210.1237
1783.8789	892.4431	15	F 2	322.1874	161.5973
---	---	16	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDLIKTTLQC(Carbamidomethyl)ALER^{+3}



Max Intensity: **3.09**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **82.5%** Matched Series Intensity: **79.2%**



Sequence: SYDLIKTTLQC(Carbamidomethyl)ALER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H132 N21 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1811.9426	1810.9368	906.4750	905.9720	604.6525	604.3171

[–] Peak Matches

223.1092	251.1084	274.1119	311.1452	316.1448	343.1431	352.1367	364.1412	374.2476	389.1811
a_2(6.6)	YD-28(23) b_2(23)			y_5-NH_3^{+2}(-7.1) TTL(-133)	QC(Carbamidomethyl)A-NH_3(105) TLQ(-159) IKT(-265)	b_6-NH_3^{+2}(-142)	YDL-28(-125)	YDL-H_2O(205) LQC(Carbamidomethyl)-28(166)	
399.1863	**404.1843**	**417.1424**	**445.2405**	**452.2370**	**461.6824**	**470.2645**	**473.2367**	**476.7637**	**486.2289**
y_3-H_2O(-122)		y_3(-247)	LQC(Carbamidomethyl)A-28(40) QC(Carbamidomethyl)AL-28(40) y_7^{+2}(20)	DLIK-H_2O(-110)	b_8^{+2}(-141)	y_4-H_2O(-16) DLIK(-70)	LQC(Carbamidomethyl)A(40) QC(Carbamidomethyl)AL(40)		TLQC(Carbamidomethyl)-NH_3(56)
489.2415	**504.2285**	**509.2212**	**517.1902**	**559.7242**	**568.7498**	**581.7990**	**589.3885**	**598.2742**	**601.3127**
	a_9^{+2}(-126)	b_9-H_2O^{+2}(-124)		a_{10}-NH_3^{+2}(-150)				MH-H_2O^{+3}(-66)	y_{10}-H_2O^{+2}(-15)
602.2809	**604.2799**	**631.2249**	**675.3438**	**720.2797**	**771.8547**	**776.3926**	**780.8729**	**922.3422**	**1091.5354**
QC(Carbamidomethyl)ALE(34)	TTLQC(Carbamidomethyl)(6.6) MH^{+3}(-62)	y_5-NH_3(-98)	TTLQC(Carbamidomethyl)A(46) a_{12}-NH_3^{+2}(2.5) a_6-NH_3(-41)	b_6(-157)	y_{13}-H_2O^{+2}(-83)	y_6(27) a_7-NH_3(-34)	y_{13}^{+2}(-66)	b_8(-158)	y_9(-15)

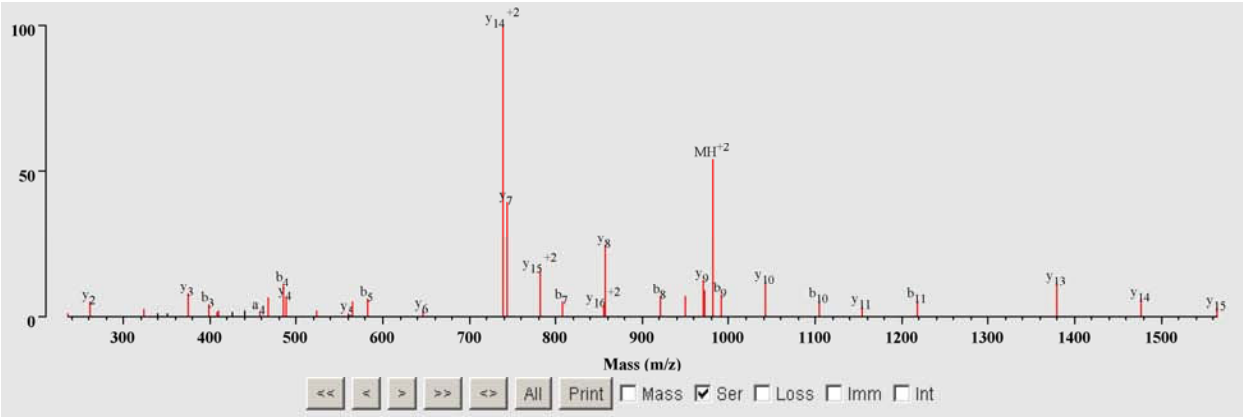
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1723.9047	862.4560
366.1296	---	3	**D**	13	1560.8414	780.9243
479.2136	---	4	**L**	12	1445.8145	723.4109
592.2977	---	5	**I**	11	1332.7304	666.8688
720.3927	360.7000	6	**K**	10	1219.6463	610.3268
821.4403	411.2238	7	**T**	9	1091.5514	546.2793
922.4880	461.7477	8	**T**	8	990.5037	495.7555
1035.5721	518.2897	9	**L**	7	889.4560	445.2316
1163.6307	582.3190	10	**Q**	6	776.3719	388.6896
1323.6613	662.3343	11	**C(Carbamidomethyl)**	5	648.3134	324.6603
1394.6984	697.8529	12	**A**	4	488.2827	244.6450
		13		3		

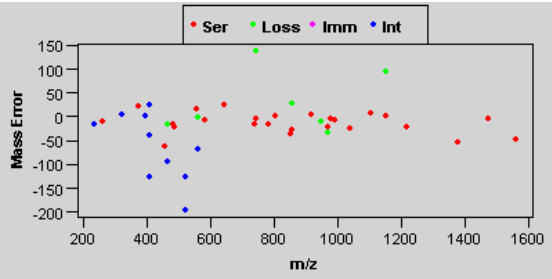
1507.7825	754.3949		**L**		417.2456	209.1264
1636.8251	818.9162	14	**E**	2	304.1615	152.5844
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)SPPQLALNPSALLSR^{+2}



Max Intensity: **12.6**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.5%** Matched Series Intensity: **98.2%**



Sequence: SYM(Oxidation)SPPQLALNPSALLSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C86 H142 N23 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1962.1276	1961.0161	981.5675	981.0117

[–] Peak Matches

235.0709	262.1485	323.1726	340.1948	350.2419	375.2436	398.1388	408.2711	410.1875	426.1332
M(Oxidation)S(-16)	y_2(-9.5)	PPQ(3.8)			y_3(23)	b_3(1.9) YM(Oxidation)S(1.9)	PPQL-28(26)	SPPQ(-39) PQLA(-127)	
440.1385	**457.1462**	**467.1517**	**485.1626**	**488.3090**	**523.2212**	**559.3655**	**564.2106**	**582.2187**	**646.4035**
	a_4(-63)	b_4-H_2O(-17) YM(Oxidation)SP-28(-95)	b_4(-15)	y_4(-21)	QLALN-NH_3(-127) SPPQL(-127) PQLAL(-196)	y_5(17)	b_5-H_2O(-2.9) YM(Oxidation)SPP-28(-67)	b_5(-7.1)	y_6(24)
738.9193	**743.4384**	**782.4337**	**807.3351**	**855.9337**	**856.4432**	**857.4599**	**920.4233**	**949.0031**	**970.5463**
y_{14}^{+2}(-15)	b_7-$SOCH_4$(138) y_7(-3.5)	y_{15}^{+2}(-16)	b_7(1.2)	y_{16}^{+2}(-35)	b_8-$SOCH_4$(27)	y_8(-28)	b_8(5.5)	MH-$SOCH_4^{+2}$(-9.9)	y_9(-22)
971.9738	**981.0084**	**991.4491**	**1041.5780**	**1104.5467**	**1154.6914**	**1218.5559**	**1379.7270**	**1476.8465**	**1563.8085**
MH-H_2O^{+2}(-34)	MH^{+2}(-3.3)	b_9(-6.3)	y_{10}(-26)	b_{10}(6.6)	b_{11}-$SOCH_4$(93) y_{11}(1.9)	b_{11}(-22)	y_{13}(-53)	y_{14}(-4.6)	y_{15}(-49)

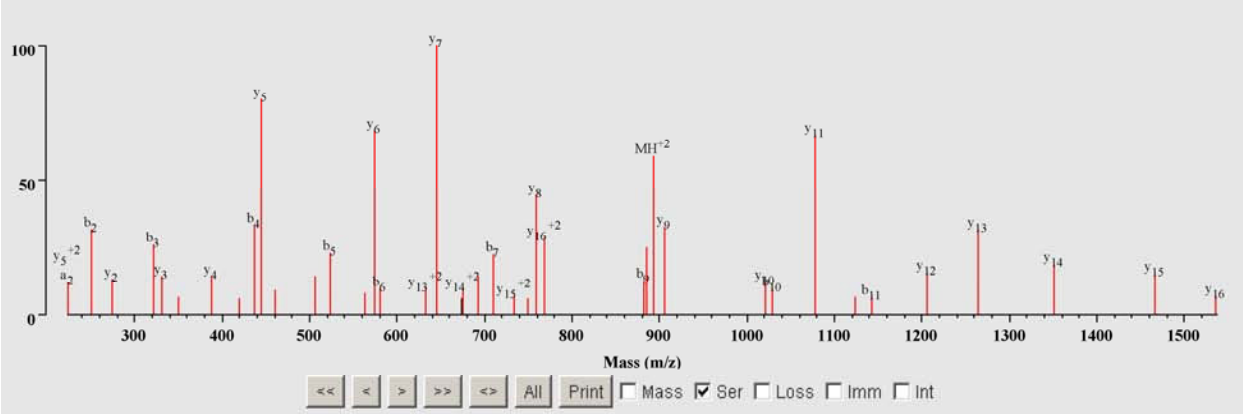
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1873.9840	937.4957
398.1380	3	M(Oxidation)	1710.9207	855.9640
485.1701	4	S	1563.8853	782.4463
582.2228	5	P	1476.8533	738.9303
679.2756	6	P	1379.8005	690.4039
807.3342	7	Q	1282.7478	641.8775
920.4182	8	L	1154.6892	577.8482
991.4553	9	A	1041.6051	521.3062
1104.5394	10	L	970.5680	485.7876
1218.5823	11	N	857.4839	429.2456
1315.6351	12	P	743.4410	372.2241
1402.6671	13	S	646.3883	323.6978
1473.7042	14	A	559.3562	280.1817
1586.7883	15	L	488.3191	244.6632
1699.8724	16	L	375.2350	188.1212
1786.9044	17	S	262.1510	131.5791

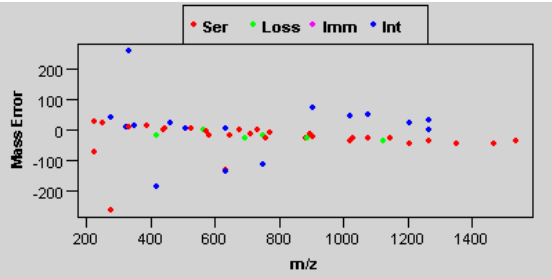
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYADSGEGDFLAEGGGVR^{+2}



Max Intensity: **37.2**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.4%** Matched Series Intensity: **99.3%**



Sequence: SYADSGEGDFLAEGGGVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C75 H112 N21 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1787.8482	1786.7878	894.4278	893.8976

[–] Peak Matches

223.1137	251.1085	274.1150	322.1428	331.2116	350.1393	388.2361	419.1500	437.1667	445.2551
a_2(27) y_5^{+2}(-71)	b_2(23)	ADS(42) SGE(42) EGD-28(42) y_2(-264)	b_3(9.5) YAD-28(9.5)	ADSG(262) GEGD-28(262) SGEG(262) y_3(8.4)	YAD(13)	y_4(15)	YADS-H_2O(-15) b_4-H_2O(-15) DFLA-28(-188)	YADS(0.022) b_4(0.022)	y_5(7.5)
460.1794	**506.1921**	**524.2008**	**563.2111**	**574.2926**	**581.2100**	**632.2186**	**645.3209**	**674.2416**	**675.8176**
ADSGE(26)	b_5-H_2O(7.8) GEGDF(7.8)	b_5(4.0)	b_6-H_2O(2.6)	y_6(-3.0)	b_6(-18)	ADSGEGD(4.4) y_{13}^{+2}(-132) FLAEGGG(-135)	y_7(-16)		y_{14}^{+2}(-0.38)
692.2348	**710.2532**	**733.3310**	**749.2622**	**758.3954**	**768.8455**	**882.2875**	**884.8671**	**893.8871**	**905.4657**
b_7-H_2O(-25)	b_7(-13)	y_{15}^{+2}(-0.45)	b_8-H_2O(-15) SGEGDFLA-28(-112)	y_8(-27)	y_{16}^{+2}(-5.7)	b_9(-27)	MH-H_2O^{+2}(-28)	MH^{+2}(-12)	EGDFLAEGGG-28(73) GEGDFLAEGG-28(73) y_9(-20)
1020.4762	**1029.3533**	**1077.5035**	**1124.4141**	**1142.4345**	**1206.5220**	**1263.5529**	**1350.5663**	**1465.5924**	**1536.6357**
SGEGDFLAEGG(48) y_{10}(-34)	b_{10}(-26)	SGEGDFLAEGGG(51) y_{11}(-27)	b_{11}-H_2O(-35)	b_{11}(-26)	ADSGEGDFLAEGG(26) y_{12}(-44)	ADSGEGDFLAEGGG(32) DSGEGDFLAEGGGV-28(3.3) y_{13}(-34)	y_{14}(-46)	y_{15}(-43)	y_{16}(-37)

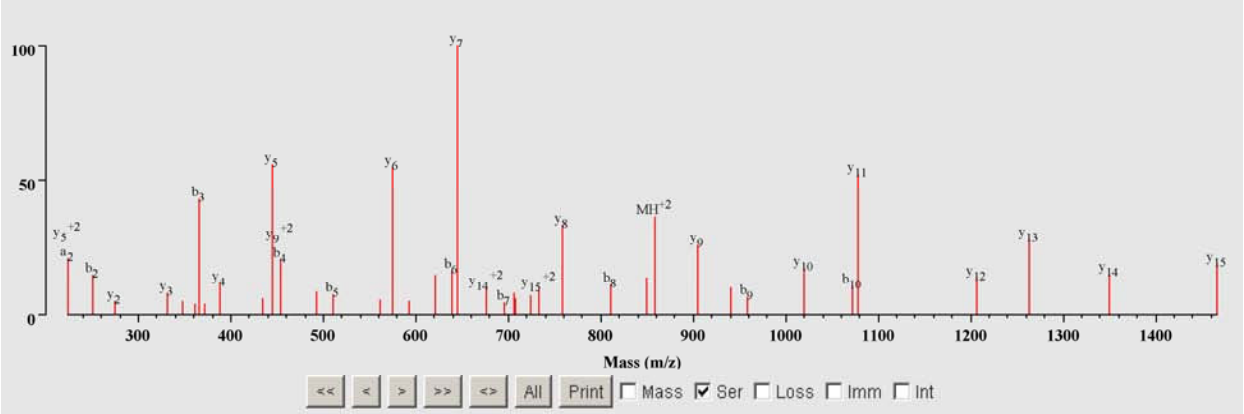
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1699.7558	850.3815
322.1397	3	A	16	1536.6925	768.8499
437.1667	4	D	15	1465.6554	733.3313
524.1987	5	S	14	1350.6284	675.8179
581.2202	6	G	13	1263.5964	632.3018
710.2628	7	E	12	1206.5749	603.7911
767.2842	8	G	11	1077.5323	539.2698
882.3112	9	D	10	1020.5109	510.7591
1029.3796	10	F	9	905.4839	453.2456
1142.4637	11	L	8	758.4155	379.7114
1213.5008	12	A	7	645.3315	323.1694
1342.5434	13	E	6	574.2944	287.6508
1399.5648	14	G	5	445.2518	223.1295

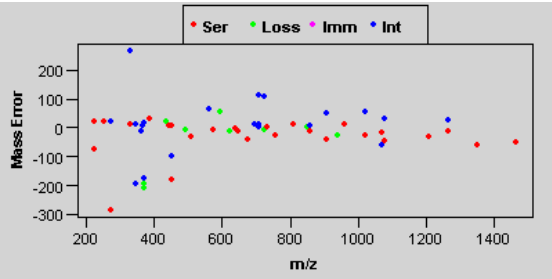
1456.5863	15	**G**	4	388.2303	194.6188
1513.6078	16	**G**	3	331.2088	166.1081
1612.6762	17	**V**	2	274.1874	137.5973
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDSGEGDFLAEGGGVR^{+2}



Max Intensity: **7.85**
Num Matched: **40/40 (0.0% unmatched)** Matched Intensity: **100.0%** Matched Series Intensity: **100.0%**



Sequence SYDSGEGDFLAEGGGVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H107 N20 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1716.7689	1715.7507	858.8881	858.3790

[–] Peak Matches

223.1123	251.1085	274.1087	331.2133	348.1234	361.1308	366.1315	371.1264	388.2417	435.1606
a_2(21) y_5^{+2}(-77)	YD-28(23) b_2(23)	EGD-28(19) SGE(19) y_2(-287)	GEGD-28(267) SGEG(267) y_3(13)	b_3-H_2O(13) YDS-H_2O(13) DFL-28(-196)	DSGE-28(-13)	b_3(5.3) YDS(5.3)	DSGE-H_2O(18) LAEG(-178) y_8-NH_3^{+2}(-193) y_4-NH_3(-208)	y_4(29)	b_4-H_2O(22)
445.2551	**453.1639**	**492.1697**	**510.1666**	**561.2140**	**574.2903**	**593.2521**	**621.2068**	**639.2242**	**645.3233**
y_5(7.5)	b_4(5.1) AEGGGV-H_2O(-100) y_9^{+2}(-180)	b_5-H_2O(-5.7)	b_5(-32)	DSGEGD(63)	y_6(-7.1)	SGEGDF (54) a_6-H_2O(54)	b_6-H_2O(-13)	b_6(-2.3)	y_7(-13)
675.7906	**696.2544**	**706.3115**	**708.2495**	**724.3200**	**733.3336**	**758.3943**	**811.2857**	**849.3739**	**858.3670**
y_{14}^{+2}(-40)	b_7(10) YDSGEGD-28(10)	YDSGEGD-H_2O (113) SGEGDFL(10)	DSGEGDF(3.4)	YDSGEGD(108) y_{15}-H_2O^{+2}(-8.3)	y_{15}^{+2}(3.1)	y_8(-28)	b_8(14)	MH-H_2O^{+2} (0.21)	EGDFLAEGG-H_2O (4.9) GEGDFLAEG-H_2O (4.9) MH^{+2}(-14)
905.4458	**940.3060**	**958.3551**	**1020.4823**	**1071.4109**	**1077.4817**	**1206.5384**	**1263.5798**	**1350.5476**	**1465.5779**
EGDFLAEGGG-28 (51) GEGDFLAEGG-28 (51) y_9(-42)	b_9-H_2O(-28)	b_9(13)	SGEGDFLAEGG (54) y_{10}(-28)	b_{10}(-15) GEGDFLAEGGGV-H_2O(-59)	SGEGDFLAEGGG (31) y_{11}(-47)	y_{12}(-30)	DSGEGDFLAEGGGV-28 (25) y_{13}(-13)	y_{14}(-60)	y_{15}(-53)

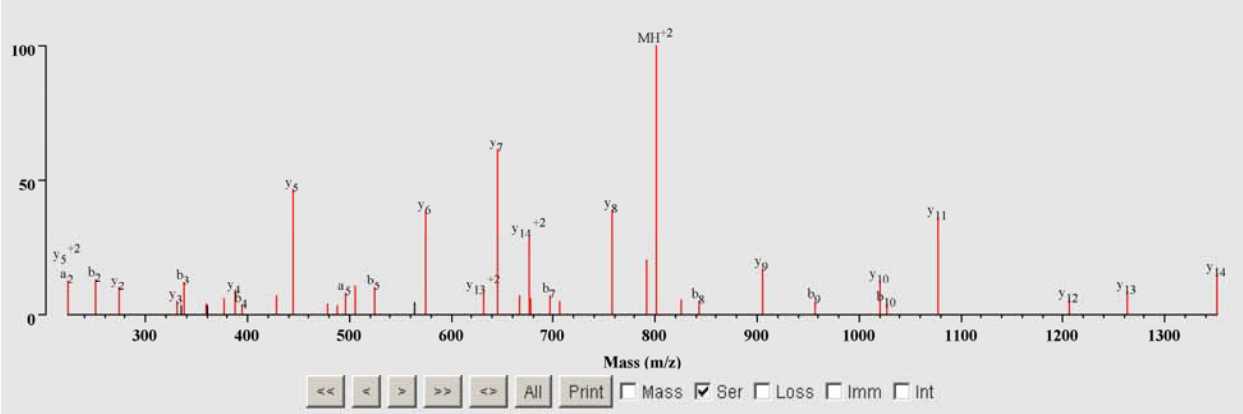
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S 17	---	---
251.1026	2	Y 16	1628.7187	814.8630
366.1296	3	D 15	1465.6554	733.3313
453.1616	4	S 14	1350.6284	675.8179
510.1831	5	G 13	1263.5964	632.3018
639.2257	6	E 12	1206.5749	603.7911
696.2471	7	G 11	1077.5323	539.2698
811.2741	8	D 10	1020.5109	510.7591
958.3425	9	F 9	905.4839	453.2456
1071.4265	10	L 8	758.4155	379.7114

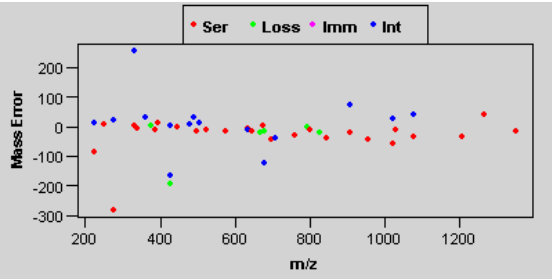
1142.4637	11	**A**	7	645.3315	323.1694
1271.5063	12	**E**	6	574.2944	287.6508
1328.5277	13	**G**	5	445.2518	223.1295
1385.5492	14	**G**	4	388.2303	194.6188
1442.5706	15	**G**	3	331.2088	166.1081
1541.6391	16	**V**	2	274.1874	137.5973
---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSGEGDFLAEGGGVR^{+2}



Max Intensity: **17.1**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **97.7%**



Sequence: SYSGEGDFLAEGGGVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C68 H102 N19 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1601.6797	1600.7238	801.3436	800.8655

[–] Peak Matches

223.1099	251.1047	274.1096	331.2096	335.1291	338.1330	359.1302	361.1488	377.1471	388.2252
a_2(9.8) YS-28(9.8) y_5^{+2}(-88)	YS(8.2) b_2(8.2)	SGE(23) EGD-28(23) y_2(-284)	SGEG(256) GEGD-28(256) y_3(2.3)		b_3(-4.9)	GEGD(29)		b_4-H_2O(4.1)	y_4(-13)
395.1608	**428.1419**	**445.2499**	**478.1963**	**488.1919**	**496.1955**	**506.1934**	**524.1936**	**564.2173**	**574.2855**
b_4(12)	SGEGD-H_2O(1.6) LAEGG(-168) y_5-NH_3(-195)	y_5(-4.2)	a_5-H_2O(6.4) GEGDF-28(6.4)	GEGDF-H_2O(29)	a_5(-17)	b_5-H_2O(10) GEGDF(10)	b_5(-9.8)		y_6(-15)
632.2972	**645.3212**	**666.7997**	**675.8182**	**678.2264**	**696.2152**	**706.2746**	**758.3914**	**791.8569**	**800.8542**
y_{13}^{+2}(-7.3) FLAEGGG(-11)	y_7(-16)	y_{14}-H_2O^{+2}(-19)	y_{14}^{+2}(0.51)	b_7-H_2O(-15) SGEGDFL-28(-122)	b_7(-46)	SGEGDFL(-42)	y_8(-32)	MH-H_2O^{+2}(-4.2)	MH^{+2}(-14)
825.2861	**843.2833**	**905.4648**	**956.3583**	**1020.4528**	**1027.4240**	**1077.4926**	**1206.5316**	**1263.6463**	**1350.6035**
b_8-H_2O(-23)	b_8(-38)	EGDFLAEGGG-28(72) GEGDFLAEGG-28(72) y_9(-21)	b_9(-43)	SGEGDFLAEGG(25) y_{10}(-57)	b_{10}(-12)	SGEGDFLAEGGG(41) y_{11}(-37)	y_{12}(-36)	y_{13}(39)	y_{14}(-18)

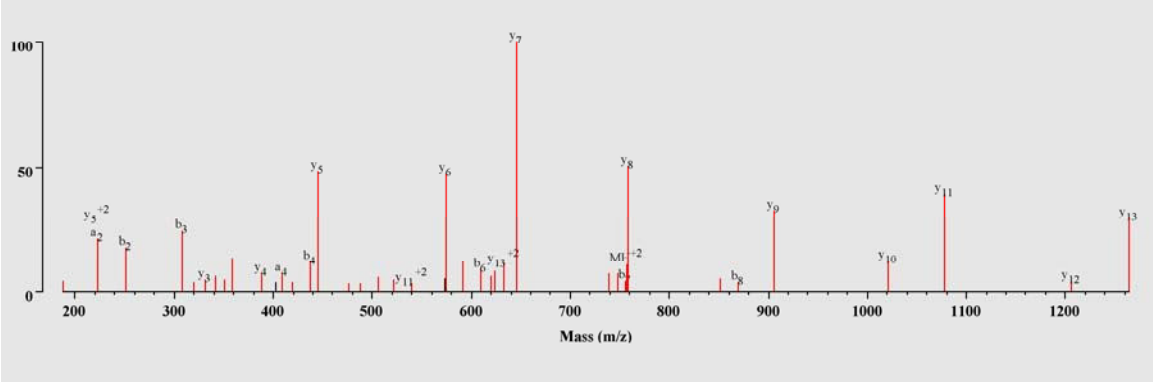
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S 16	---	---
251.1026	2	Y 15	1513.6918	757.3495
338.1347	3	S 14	1350.6284	675.8179
395.1561	4	G 13	1263.5964	632.3018
524.1987	5	E 12	1206.5749	603.7911
581.2202	6	G 11	1077.5323	539.2698
696.2471	7	D 10	1020.5109	510.7591
843.3155	8	F 9	905.4839	453.2456
956.3996	9	L 8	758.4155	379.7114
1027.4367	10	A 7	645.3315	323.1694
1156.4793	11	E 6	574.2944	287.6508
1213.5008	12	G 5	445.2518	223.1295
1270.5222	13	G 4	388.2303	194.6188
1327.5437	14	G 3	331.2088	166.1081
1426.6121	15	V 2	274.1874	137.5973

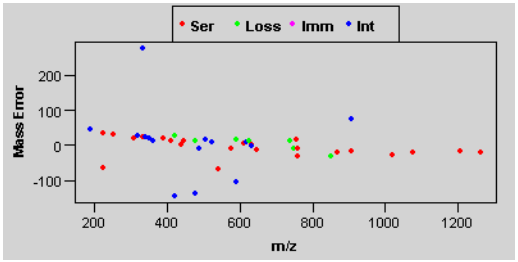
--- 16 **R** 1 175.1190 88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGEGDFLAEGGGVR^{+2}



Max Intensity: **18.9**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.5%** Matched Series Intensity: **98.4%**



Sequence SYGEGDFLAEGGGVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C65 H97 N18 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1514.6011	1513.6918	757.8042	757.3495

[–] **Peak Matches**

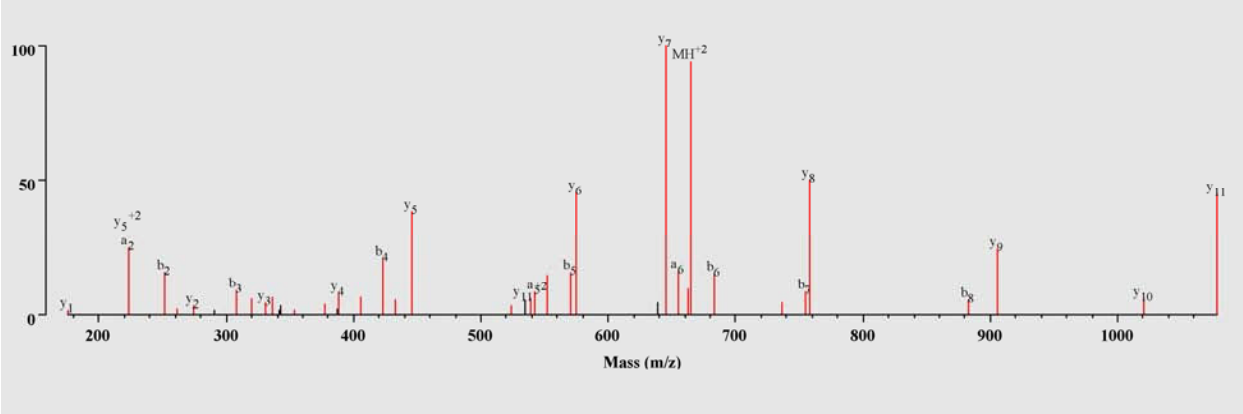
187.0796	223.1151	251.1100	308.1307	320.1331	331.2167	341.1173	350.1410	359.1248	388.2380
GE(44) EG(44)	a_2(33) y_5^{+2}(-65)	b_2(29)	b_3(21)	GDF(28)	GEGD-28(277) y_3(24)	GEGD-H_2O(24)	YGE(18)	GEGD(14)	y_4(20)
402.1404	**409.1776**	**419.1675**	**437.1667**	**445.2571**	**476.1837**	**488.1720**	**506.1964**	**522.1877**	**539.2338**
	a_4(14)	b_4-H_2O(27) DFLA-28(-146)	b_4(0.022)	y_5(12)	b_5-H_2O(13) GDFLA-28(-140)	GEGDF-H_2O(-11)	GEGDF(16)	YGEGD(8.9)	y_{11}^{+2}(-67)
573.1796	**574.2881**	**591.2139**	**609.2192**	**619.2765**	**623.3055**	**632.3018**	**645.3233**	**738.2829**	**748.3377**
	y_6(-11)	b_6-H_2O(16) GEGDFL-28(-107)	b_6(6.7)	GEGDFL(6.9)	y_{13}-H_2O^{+2}(14)	y_{13}^{+2}(-0.065) FLAEGGG(-3.2)	y_7(-13)	b_7-H_2O(13)	MH-H_2O^{+2}(-8.7)
756.2962	**757.3428**	**758.3928**	**851.3306**	**869.3483**	**905.4686**	**1020.4823**	**1077.5097**	**1206.5548**	**1263.5697**
b_7(17)	MH^{+2}(-8.9)	y_8(-30)	b_8-H_2O(-31)	b_8(-22)	GEGDFLAEGG-28(76) EGDFLAEGGG-28(76) y_9(-17)	y_{10}(-28)	y_{11}(-21)	y_{12}(-17)	y_{13}(-21)

[–] **Main Sequence Ions**

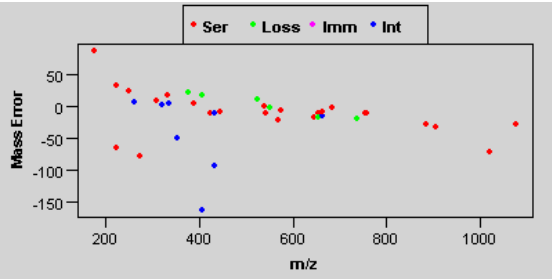
b			y	y^{+2}
---	1	S 15	---	---
251.1026	2	Y 14	1426.6597	713.8335
308.1241	3	G 13	1263.5964	632.3018
437.1667	4	E 12	1206.5749	603.7911
494.1882	5	G 11	1077.5323	539.2698
609.2151	6	D 10	1020.5109	510.7591
756.2835	7	F 9	905.4839	453.2456
869.3676	8	L 8	758.4155	379.7114
940.4047	9	A 7	645.3315	323.1694
1069.4473	10	E 6	574.2944	287.6508
1126.4687	11	G 5	445.2518	223.1295
1183.4902	12	G 4	388.2303	194.6188
1240.5117	13	G 3	331.2088	166.1081
1339.5801	14	V 2	274.1874	137.5973
---	15	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGDFLAEGGGVR^{+2}



Max Intensity: **23.3**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **97.1%** Matched Series Intensity: **96.5%**



Sequence SYGDFLAEGGGVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C58 H87 N16 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1328.4326	1327.6277	664.7200	664.3175

[–] **Peak Matches**

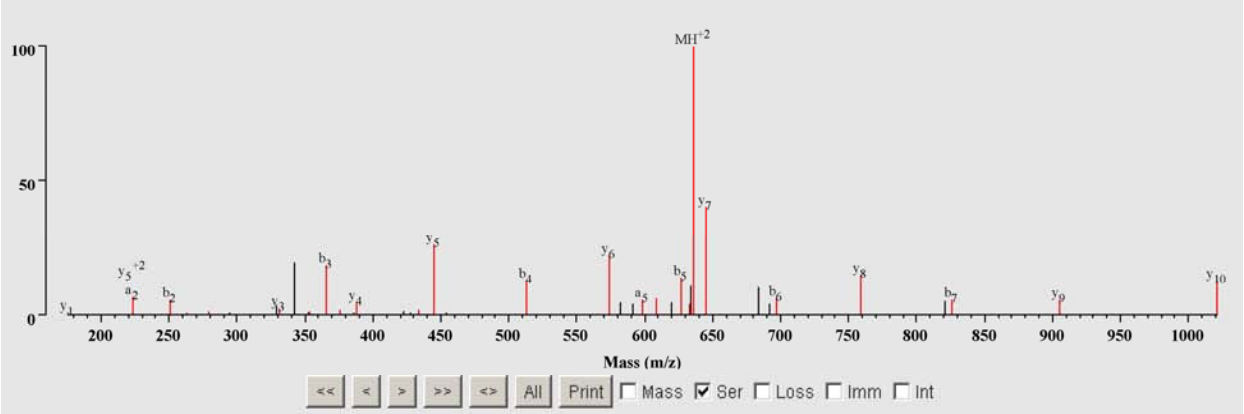
175.1343	223.1150	251.1088	261.1617	274.1659	291.1513	308.1269	320.1253	331.2152	336.1210
y_1(88)	a_2(33) y_5^{+2}(-65)	b_2(25)	FL(7.5)	y_2(-78)		YGD-28(9.1) b_3(9.1)	GDF(3.8)	y_3(19)	YGD(5.9)
341.1188	**342.1613**	**353.1644**	**377.1544**	**387.1923**	**388.2320**	**405.1473**	**423.1470**	**433.2041**	**445.2483**
		LAEG-H_2O(-50)	a_4-H_2O(23)		y_4(4.4)	b_4-H_2O(17) GDFL-28(-163)	b_4(-9.5)	GDFL(-9.4) FLAE-28(-93)	y_5(-7.8)
524.2204	**535.1887**	**539.2706**	**542.2194**	**552.2076**	**570.2067**	**574.2906**	**638.2746**	**645.3206**	**655.3017**
a_5-H_2O(12)		y_{11}^{+2}(1.5)	a_5(-9.5)	b_5-H_2O(-2.3)	b_5(-22)	y_6(-6.5)		y_7(-17)	a_6(-11) MH-H_2O^{+2}(-16)
662.3044	**664.3127**	**683.3031**	**736.3155**	**754.3328**	**758.4085**	**883.3592**	**905.4538**	**1020.4375**	**1077.5017**
GDFLAEG-28(-15) DFLAEGG-28(-15)	MH^{+2}(-7.2)	b_6(-0.61)	b_7-H_2O(-20)	b_7(-10)	y_8(-9.3)	b_8(-27)	y_9(-33)	y_{10}(-72)	y_{11}(-28)

[–] **Main Sequence Ions**

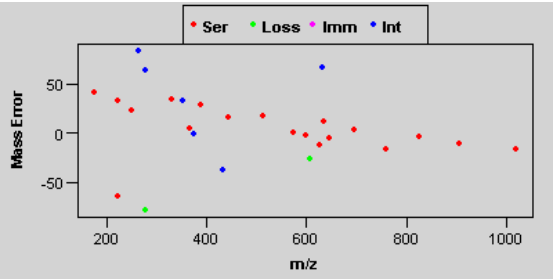
b			y	y^{+2}
---	1	S 13	---	---
251.1026	2	Y 12	1240.5957	620.8015
308.1241	3	G 11	1077.5323	539.2698
423.1510	4	D 10	1020.5109	510.7591
570.2195	5	F 9	905.4839	453.2456
683.3035	6	L 8	758.4155	379.7114
754.3406	7	A 7	645.3315	323.1694
883.3832	8	E 6	574.2944	287.6508
940.4047	9	G 5	445.2518	223.1295
997.4262	10	G 4	388.2303	194.6188
1054.4476	11	G 3	331.2088	166.1081
1153.5160	12	V 2	274.1874	137.5973
---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDFLAEGGGVR^{+2}



Max Intensity: **23.5**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **82.1%** Matched Series Intensity: **75.8%**



Sequence: SYDFLAEGGGVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H84 N15 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1271.3804	1270.6062	636.1939	635.8068

[–] **Peak Matches**

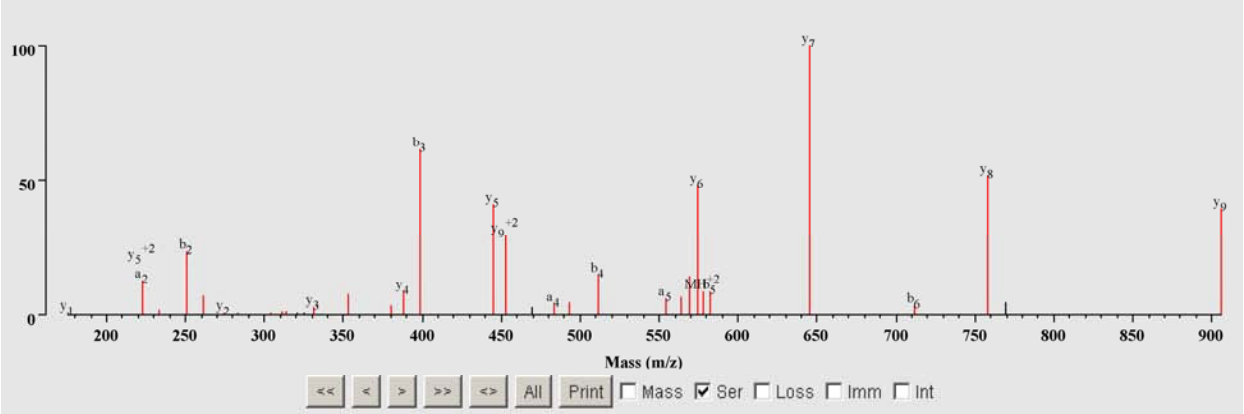
175.1262	223.1151	251.1085	263.1247	279.1154	294.1575	329.1961	331.2202	342.1738	352.1467
y_1(41)	a_2(33) y_5^{+2}(-65)	YD-28(23) b_2(23)	DF(84)	YD(64) y_6-NH_3^{+2}(-79)			y_3(34)		
353.1935	**366.1315**	**376.1863**	**386.1226**	**388.2417**	**422.7148**	**427.2410**	**433.2280**	**445.2591**	**453.7584**
LAEG-H_2O(33)	b_3(5.3)	DFL(-1.1)		y_4(29)			FLAE-28(-38)	y_5(16)	
513.2065	**574.2949**	**581.7737**	**591.2806**	**598.2854**	**608.2548**	**619.3613**	**626.2742**	**633.3303**	**634.3381**
b_4(17)	y_6(0.96)			a_5(-2.9)	b_5-H_2O(-27)		b_5(-13)	DFLAEG(67)	
635.8144	**645.3281**	**683.3051**	**691.3387**	**697.3211**	**758.4032**	**820.3924**	**826.3585**	**905.4742**	**1020.4944**
MH^{+2}(12)	y_7(-5.2)			b_6(2.8)	y_8(-16)		b_7(-3.9)	y_9(-11)	y_{10}(-16)

[–] **Main Sequence Ions**

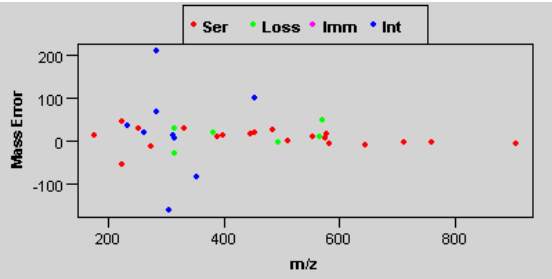
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1183.5742	592.2907
366.1296	3	D	10	1020.5109	510.7591
513.1980	4	F	9	905.4839	453.2456
626.2821	5	L	8	758.4155	379.7114
697.3192	6	A	7	645.3315	323.1694
826.3618	7	E	6	574.2944	287.6508
883.3832	8	G	5	445.2518	223.1295
940.4047	9	G	4	388.2303	194.6188
997.4262	10	G	3	331.2088	166.1081
1096.4946	11	V	2	274.1874	137.5973
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFLAEGGGVR^{+2}



Max Intensity: **45.9**
Num Matched: **30/34 (11.8% unmatched)** Matched Intensity: **98.3%** Matched Series Intensity: **98.2%**



Sequence: SYFLAEGGGVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H79 N14 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1156.2912	1155.5793	578.6493	578.2933

[–] Peak Matches

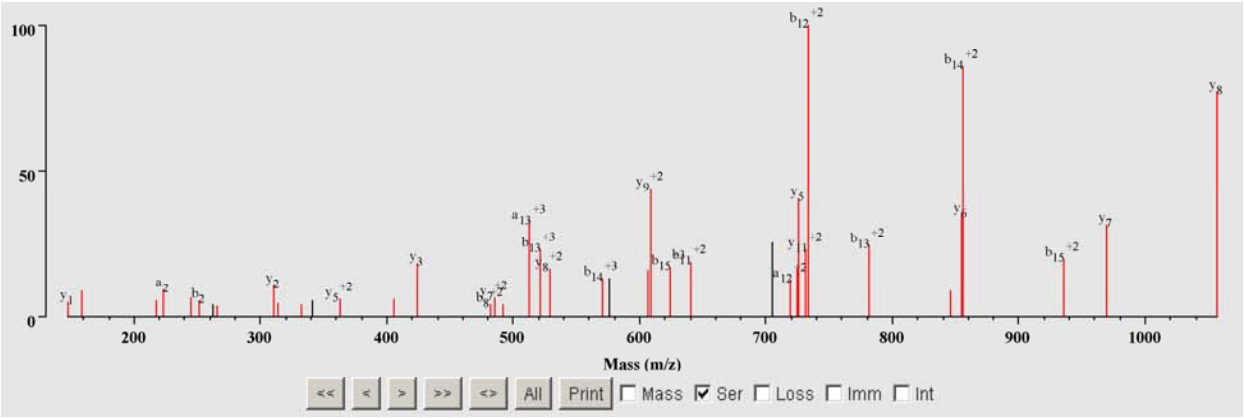
175.1212	223.1179	233.1735	251.1100	261.1649	274.1839	283.1633	304.1534	311.1432	314.1737
y_1(13)	a_2(46) y_5^{+2}(-52)	FL-28(37)	b_2(29)	FL(20)	y_2(-13)	EGGG-H_2O(211) YF-28(68)	FLA-28(-160)	YF(13)	y_7-H_2O^{+2}(31) LAE(8.4) y_3-NH_3(-27)
321.1533	**325.1529**	**331.2185**	**353.1526**	**380.1689**	**388.2343**	**398.1763**	**445.2591**	**453.2545**	**469.1923**
		y_3(29)	LAEG-H_2O(-83)	b_3-H_2O(22)	y_4(10)	b_3(13)	y_5(16)	AEGGGV-H_2O(100) y_9^{+2}(20)	
483.2727	**493.2431**	**511.2552**	**554.3033**	**564.2874**	**569.3163**	**574.2994**	**578.3024**	**582.2897**	**645.3257**
a_4(26)	b_4-H_2O(-2.9)	b_4(0.17)	a_5(11)	b_5-H_2O(10)	MH-H_2O^{+2}(50)	y_6(8.8)	MH^{+2}(16)	b_5(-4.3)	y_7(-8.9)
711.3331	**758.4136**	**769.4387**	**905.4789**						
b_6(-2.4)	y_8(-2.5)		y_9(-5.5)						

[–] Main Sequence Ions

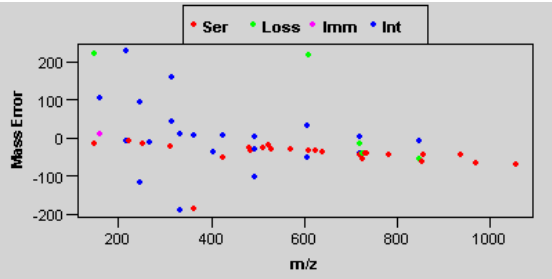
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1068.5473	534.7773
398.1710	3	F 9	905.4839	453.2456
511.2551	4	L 8	758.4155	379.7114
582.2922	5	A 7	645.3315	323.1694
711.3348	6	E 6	574.2944	287.6508
768.3563	7	G 5	445.2518	223.1295
825.3777	8	G 4	388.2303	194.6188
882.3992	9	G 3	331.2088	166.1081
981.4676	10	V 2	274.1874	137.5973
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHQSAC(Carbamidomethyl)KDSDWPFC(Carbamidomethyl)SDEDWNYK^{+4}



Max Intensity: **152**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **94.1%** Matched Series Intensity: **94.0%**



Sequence: SYHQSAC(Carbamidomethyl)KDSDWPFC(Carbamidomethyl)SDEDWNYK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C127 H170 N33 O44 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2926.7585	2925.1515	1463.8830	1463.0794	976.2578	975.7220	732.4452	732.0433

[–] Peak Matches

147.1106	159.0930	217.1315	223.1055	245.0995	251.0991	262.1531	266.1212	310.1686	314.1480
y_2-$NH_3$$^{+2}$(219) y_1(-15)	SA(104) W(8.3)	ED-28(228) DE-28(228) PF-28(-9.4)	a_2(-9.9)	ED(93) DE(93) PF(-118)	b_2(-14)		HQ(-13)	y_2(-24)	SDE-H_2O (158) KDS-NH_3 (42)
332.1119	**341.2313**	**363.0991**	**405.1432**	**424.1970**	**481.6976**	**485.1850**	**492.1407**	**512.2034**	**521.5387**
DED-28(9.2) SDE(9.2) AC(Carbamidomethyl)K-28 (-190)		C(Carbamidomethyl)SD (6.1) $y_5$$^{+2}$(-185)	PFC(Carbamidomethyl)(- 39)	HQSA(7.3) y_3(-52)	$b_8$$^{+2}$(-28)	$y_7$$^{+2}$(-33)	C(Carbamidomethyl)SDE (2.5) FC(Carbamidomethyl)SD- H_2O(-29) PFC(Carbamidomethyl)S(- 102)	$a_{13}$$^{+3}$(-28)	$b_{13}$$^{+3}$(-20)
528.7015	**570.5549**	**576.2359**	**607.1859**	**608.7119**	**623.8954**	**640.2306**	**704.9199**	**719.2644**	**724.2577**
$y_8$$^{+2}$(-29)	$b_{14}$$^{+3}$(- 30)		C(Carbamidomethyl) SDED(32) PFC(Carbamidomethyl)SD (-53)	a_{15}-$H_2O$$^{+3}$(216) $y_9$$^{+2}$(-34)	$b_{15}$$^{+3}$(- 32)	$b_{11}$$^{+2}$(- 37)		SDEDWN-28(1.8) a_{18}-$NH_3$$^{+3}$(-15) YHQSAC(Carbamidomethyl)- 28(-40) $a_{12}$$^{+2}$(-44)	b_{12}-$H_2O$$^{+2}$(- 42)
725.2844	**730.7640**	**733.2630**	**781.7864**	**846.3024**	**854.3160**	**855.3149**	**935.3284**	**969.3293**	**1056.3519**
y_5(-56)	$y_{11}$$^{+2}$(- 40)	$b_{12}$$^{+2}$(-42)	$b_{13}$$^{+2}$(-43)	AC(Carbamidomethyl)KDSDW- NH_3(-7.4) b_{14}-$H_2O$$^{+2}$(-55)	y_6(-61)	$b_{14}$$^{+2}$(- 46)	$b_{15}$$^{+2}$(-44)	y_7(-68)	y_8(-71)

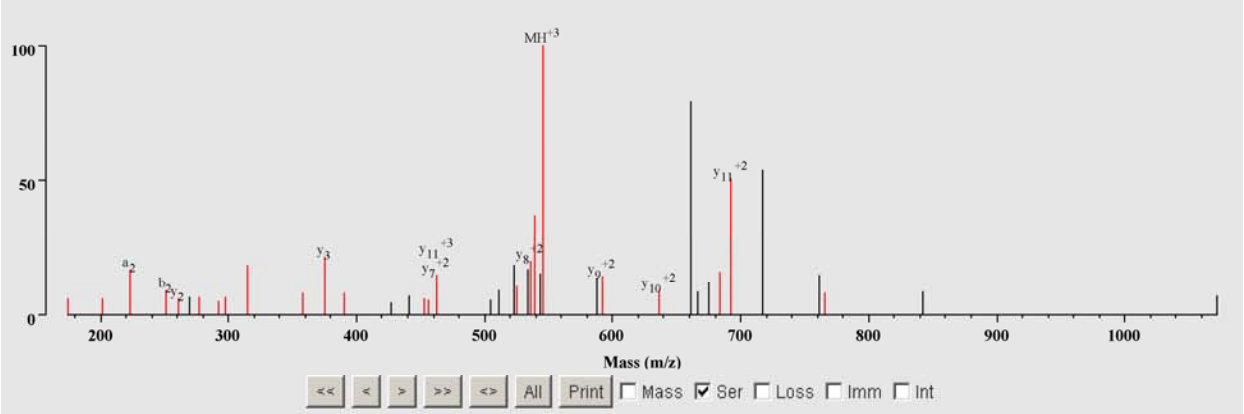
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	23	---	---
251.1026	---	2	Y	22	2838.1195	1419.5634
388.1615	194.5844	3	H	21	2675.0562	1338.0317
516.2201	258.6137	4	Q	20	2537.9973	1269.5023
603.2522	302.1297	5	S	19	2409.9387	1205.4730
674.2893	337.6483	6	A	18	2322.9067	1161.9570
834.3199	417.6636	7	C(Carbamidomethyl)	17	2251.8695	1126.4384
962.4149	481.7111	8	K	16	2091.8389	1046.4231
1077.4418	539.2245	9	D	15	1963.7439	982.3756
1164.4738	582.7406	10	S	14	1848.7170	924.8621

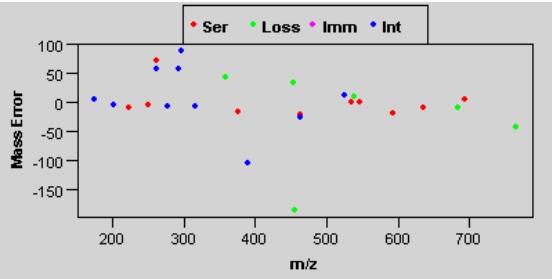
1279.5008	640.2540	11	**D**	13	1761.6850	881.3461
1465.5801	733.2937	12	**W**	12	1646.6580	823.8326
1562.6329	781.8201	13	**P**	11	1460.5787	730.7930
1709.7013	855.3543	14	**F**	10	1363.5259	682.2666
1869.7319	935.3696	15	**C(Carbamidomethyl)**	9	1216.4575	608.7324
1956.7640	978.8856	16	**S**	8	1056.4269	528.7171
2071.7909	1036.3991	17	**D**	7	969.3949	485.2011
2200.8335	1100.9204	18	**E**	6	854.3679	427.6876
2315.8604	1158.4339	19	**D**	5	725.3253	363.1663
2501.9398	1251.4735	20	**W**	4	610.2984	305.6528
2615.9827	1308.4950	21	**N**	3	424.2191	212.6132
2779.0460	1390.0266	22	**Y**	2	310.1761	155.5917
---	---	23	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNSLFEYQKNNK^{+3}



Max Intensity: **4.24**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **59.4%** Matched Series Intensity: **49.3%**



Sequence: SYNSLFEYQKNNK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H108 N19 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1635.7844	1634.7809	818.3959	817.8941	545.9331	545.5985

[–] Peak Matches

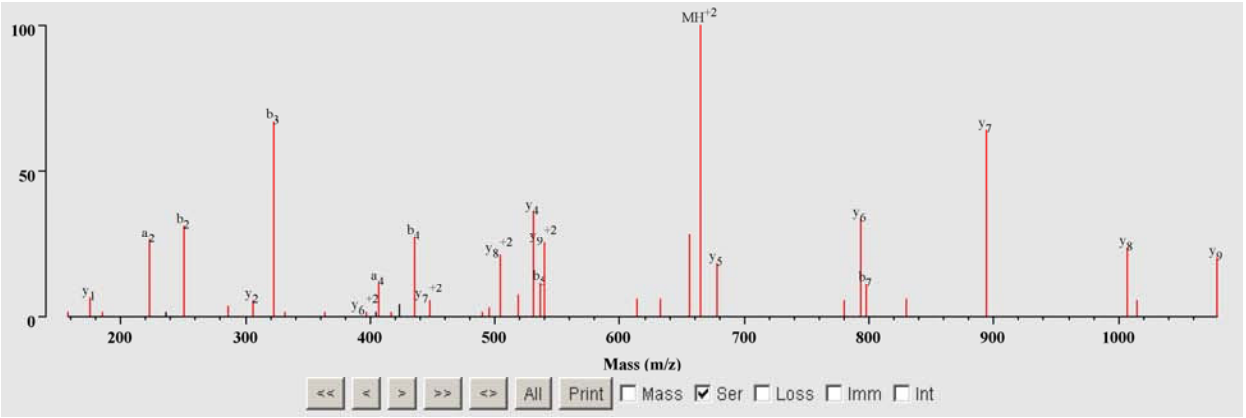
174.0883	202.0814	223.1057	251.1017	261.1749	269.1668	277.1167	292.1461	297.1821	315.1638
NS-28(5.6)	NS(-4.1)	a_2(-9.0)	b_2(-3.7)	y_2(73) LF(58)		FE(-5.7)	YQ(58)	NSL-H_2O(89)	NSL(-7.9)
358.1874	**375.1923**	**390.1613**	**427.1340**	**441.2133**	**453.2433**	**456.1451**	**462.2229**	**504.2598**	**511.2715**
y_3-NH_3(43)	y_3(-17)	LFE(-105)			y_7-H_2O^{+2}(35)	y_{11}-H_2O^{+3}(-186)	y_7^{+2}(-21) y_{11}^{+3}(-23) NSLF(-26)		
522.7279	**525.2775**	**533.8953**	**535.7666**	**539.6003**	**543.3153**	**545.5986**	**587.2693**	**592.2980**	**635.8194**
	LFEY-28(13)		y_8^{+2}(-0.57)	MH-H_2O^{+3}(9.9)		MH^{+3}(0.20)		y_9^{+2}(-18)	y_{10}^{+2}(-8.7)
660.8186	**666.8363**	**675.2992**	**683.8352**	**692.8507**	**717.3387**	**761.3628**	**765.8321**	**842.4398**	**1071.4648**
			y_{11}-H_2O^{+2}(-8.7)	y_{11}^{+2}(6.2)			y_{12}-NH_3^{+2}(-43)		

[–] Main Sequence Ions

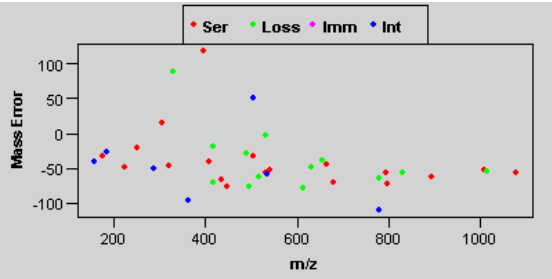
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1547.7489	774.3781
365.1456	---	3	**N**	11	1384.6856	692.8464
452.1776	---	4	**S**	10	1270.6426	635.8250
565.2617	---	5	**L**	9	1183.6106	592.3089
712.3301	---	6	**F**	8	1070.5265	535.7669
841.3727	---	7	**E**	7	923.4581	462.2327
1004.4360	---	8	**Y**	6	794.4155	397.7114
1132.4946	---	9	**Q**	5	631.3522	316.1797
1260.5895	630.7984	10	**K**	4	503.2936	252.1504
1374.6325	687.8199	11	**N**	3	375.1987	188.1030
1488.6754	744.8413	12	**N**	2	261.1557	131.0815
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALTDM(Oxidation)PQMR^{+2}



Max Intensity: **12.7**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **96.4%** Matched Series Intensity: **95.5%**



Sequence: SYALTDM(Oxidation)PQMR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H90 N15 O19 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1329.3841	1328.5973	665.1958	664.8023

[–] Peak Matches

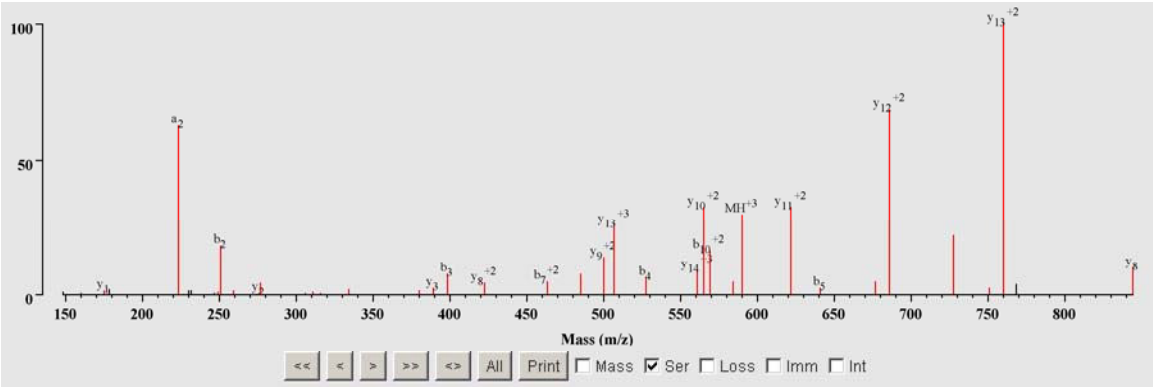
157.1271	175.1133	185.1235	223.0971	236.1256	251.0974	286.1618	306.1639	322.1246	331.1726
AL-28(-41)	y_1(-32)	AL(-27)	a_2(-48)		b_2(-21)	ALT(-50)	y_2(15)	b_3(-47)	y_5-NH_3^{+2}(88)
364.0821	**397.2175**	**405.1522**	**407.2122**	**417.1841**	**423.1648**	**435.1947**	**447.6595**	**490.2521**	**495.1930**
TDM(Oxidation)(-97)	y_6^{+2}(119)		a_4(-41)	y_3-NH_3(-18) b_4-H_2O(-70)		b_4(-67)	y_7^{+2}(-77)	a_5-H_2O(-28)	y_8-H_2O^{+2}(-76)
504.2200	**518.2289**	**530.7191**	**531.2403**	**536.2406**	**539.7264**	**614.2602**	**632.7726**	**655.7724**	**664.2991**
M(Oxidation)PQM(51) y_8^{+2}(-32)	b_5-H_2O(-62)	y_9-H_2O^{+2}(-57)	y_9-NH_3^{+2}(-2.0) y_4(-57)	b_5(-58) YALTD-28(-58)	y_9^{+2}(-52)	y_5-$SOCH_4$(-78)	MH-$SOCH_4^{+2}$(-48)	MH-H_2O^{+2}(-38)	
664.7724	**678.2581**	**780.2729**	**793.2882**	**798.2752**	**830.3352**	**894.3241**	**1007.4123**	**1014.4481**	**1078.4400**
MH^{+2}(-45)	y_5(-71)	b_7-H_2O(-65) YALTDM(Oxidation)P-28(-111)	y_6(-57)	b_7(-73)	y_7-$SOCH_4$(-57)	y_7(-63)	y_8(-52)	y_9-$SOCH_4$(-55)	y_9(-57)

[–] Main Sequence Ions

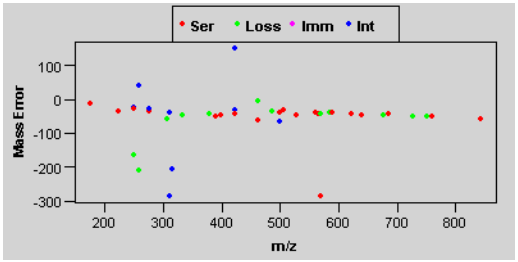
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1241.5653	621.2863
322.1397	3	A	9	1078.5020	539.7546
435.2238	4	L	8	1007.4649	504.2361
536.2715	5	T	7	894.3808	447.6940
651.2984	6	D	6	793.3331	397.1702
798.3338	7	M(Oxidation)	5	678.3062	339.6567
895.3866	8	P	4	531.2708	266.1390
1023.4452	9	Q	3	434.2180	217.6126
1154.4857	10	M	2	306.1594	153.5834
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)ELERPGGNEITR^{+3}



Max Intensity: **316**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **97.7%** Matched Series Intensity: **97.9%**



Sequence: SYM(Oxidation)ELERPGGNEITR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H119 N22 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1768.7930	1767.8330	884.9002	884.4202	590.2693	589.9492

[–] **Peak Matches**

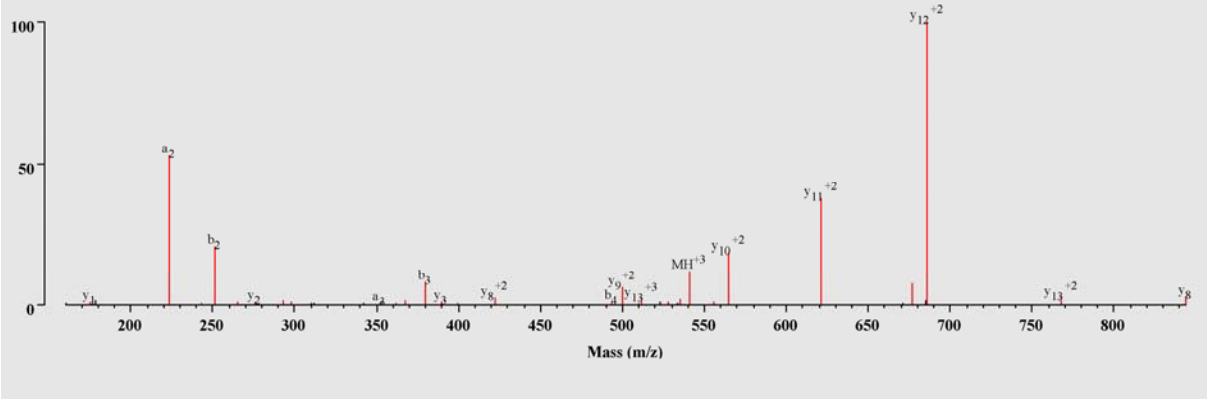
148.0378	160.0721	175.1171	178.0814	223.1000	230.0730	232.1448	247.0959	249.0844	251.0959
		y_1(-11)		a_2(-35)				M(Oxidation)E-28(-24)	b_2(-27) y_4-NH_3^{+2}(-164)
259.0856	**276.1570**	**277.0778**	**306.1275**	**311.0935**	**316.1213**	**334.1242**	**380.1114**	**389.2305**	**398.1196**
M(Oxidation)E-H_2O(42) y_2-NH_3(-210)	y_2(-35)	M(Oxidation)E(-27)	a_3-$SOCH_4$(-57)	YM(Oxidation)(-40) RPG(-286)	EIT-28(-207)	b_3-$SOCH_4$(-47)	b_3-H_2O(-42)	y_3(-52)	b_3(-46)
422.2017	**463.1798**	**485.2338**	**500.2496**	**506.5688**	**527.1561**	**560.9165**	**564.7670**	**568.5924**	**583.9224**
YM(Oxidation)E-H_2O(151) ERPG-H_2O(-31) y_8^{+2}(-42)	b_4-$SOCH_4$(-5.5) b_7^{+2}(-61)	y_{13}-$SOCH_4^{+3}$(-36)	y_9^{+2}(-41) y_4-H_2O(-66) ELER-28(-66)	y_{13}^{+3}(-30)	b_4(-47)	y_{14}^{+3}(-39)	y_{10}^{+2}(-43)	MH-$SOCH_4^{+3}$(-42) b_{10}^{+2}(-287)	MH-H_2O^{+3}(-40)
589.9248	**621.3075**	**640.2339**	**676.8170**	**685.8236**	**727.3372**	**750.3287**	**759.3355**	**768.3723**	**843.3832**
MH^{+3}(-41)	y_{11}^{+2}(-42)	b_5(-48)	y_{12}-H_2O^{+2}(-48)	y_{12}^{+2}(-45)	y_{13}-$SOCH_4^{+2}$(-50)	y_{13}-H_2O^{+2}(-51)	y_{13}^{+2}(-49)		y_8(-58)

[–] **Main Sequence Ions**

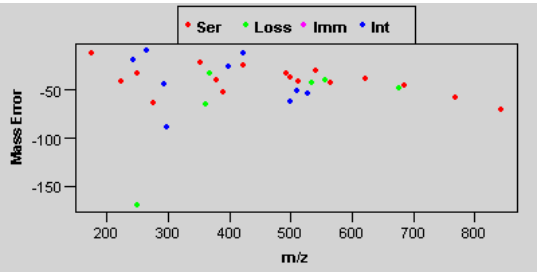
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1680.8010	840.9041
398.1380	---	3	**M(Oxidation)**	13	1517.7377	759.3725
527.1806	---	4	**E**	12	1370.7023	685.8548
640.2647	---	5	**L**	11	1241.6597	621.3335
769.3073	---	6	**E**	10	1128.5756	564.7914
925.4084	463.2078	7	**R**	9	999.5330	500.2701
1022.4612	511.7342	8	**P**	8	843.4319	422.2196
1079.4826	540.2449	9	**G**	7	746.3791	373.6932
1136.5041	568.7557	10	**G**	6	689.3577	345.1825
1250.5470	625.7771	11	**N**	5	632.3362	316.6717
1379.5896	690.2984	12	**E**	4	518.2933	259.6503
1492.6737	746.8405	13	**I**	3	389.2507	195.1290
1593.7213	797.3643	14	**T**	2	276.1666	138.5870
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYELERPGGNEITR^{+3}



Max Intensity: **88.9**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **96.1%** Matched Series Intensity: **96.2%**



Sequence SYELERPGGNEITR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C68 H110 N21 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1621.7576	1620.7976	811.3825	810.9025	541.2575	540.9374

[–] **Peak Matches**

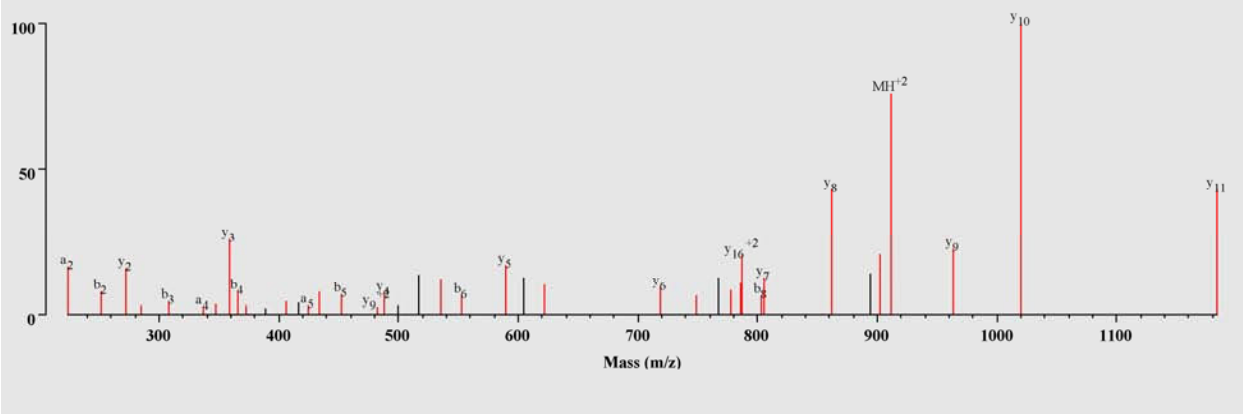
160.0757	175.1171	178.0826	223.0985	243.1295	251.0944	265.1160	276.1491	293.1002	298.1248
	y_1(-11)		a_2(-41)	EI(-18) EL(-18) LE(-18)	b_2(-33) y_4-NH_3^{+2}(-170)	YE-28(-8.6)	y_2(-63)	YE(-44)	PGGN-28(-88)
310.1378	**312.1376**	**342.1589**	**352.1424**	**353.1572**	**362.1111**	**367.1675**	**380.1299**	**389.2305**	**399.2250**
			a_3(-22)		b_3-H_2O(-65)	a_6-NH_3^{+2}(-32)	b_3(-40)	y_3(-52)	LER(-25)
422.2095	**493.2132**	**500.2518**	**510.2412**	**511.9057**	**523.2240**	**528.2496**	**533.2315**	**534.9112**	**540.5975**
ERPG-H_2O(-12) y_8^{+2}(-24)	b_4(-33)	y_9^{+2}(-37) y_4-H_2O(-62) ELER-28(-62)	ELER-H_2O(-51)	y_{13}^{+3}(-41)		ELER(-53)		MH-H_2O^{+3}(-42)	
540.9210	**555.7642**	**564.7670**	**621.3099**	**670.7910**	**676.8170**	**685.3527**	**685.8236**	**767.3417**	**843.3722**
MH^{+3}(-30)	y_{10}-H_2O^{+2}(-40)	y_{10}^{+2}(-43)	y_{11}^{+2}(-38)		y_{12}-H_2O^{+2}(-48)		y_{12}^{+2}(-45)	y_{13}^{+2}(-58)	y_8(-71)

[–] **Main Sequence Ions**

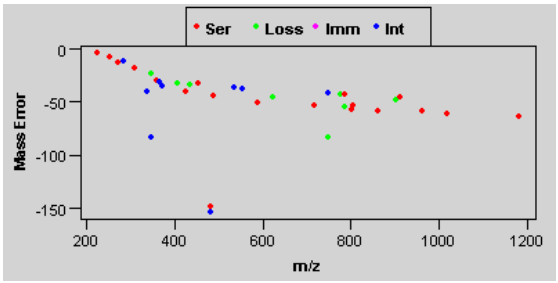
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1533.7656	767.3864
380.1452	---	3	E	12	1370.7023	685.8548
493.2293	---	4	L	11	1241.6597	621.3335
622.2719	---	5	E	10	1128.5756	564.7914
778.3730	389.6901	6	R	9	999.5330	500.2701
875.4258	438.2165	7	P	8	843.4319	422.2196
932.4472	466.7272	8	G	7	746.3791	373.6932
989.4687	495.2380	9	G	6	689.3577	345.1825
1103.5116	552.2594	10	N	5	632.3362	316.6717
1232.5542	616.7807	11	E	4	518.2933	259.6503
1345.6383	673.3228	12	I	3	389.2507	195.1290
1446.6859	723.8466	13	T	2	276.1666	138.5870
---	---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGSTSYGTGSETESPR^{+2}



Max Intensity: **1765**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **89.8%** Matched Series Intensity: **87.9%**



Sequence: SYGGSTSYGTGSETESPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C74 H112 N21 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1823.8352	1822.7726	912.4213	911.8899

[–] Peak Matches

223.1069	251.1006	272.1682	285.1161	308.1187	337.1373	347.1268	359.1929	365.1342	372.1385
SY-28(-3.7) a_2(-3.7)	SY(-8.1) b_2(-8.1)	y_2(-13)	GGST-H_2O(-11) GTGS-H_2O(-11)	SYG(-18) b_3(-18)	a_4(-40) YGGS-28(-40)	YGGS-H_2O(-24) b_4-H_2O(-24) GSET-28(-84) TGSE-28(-84)	y_3(-30)	b_4(-31) YGGS(-31)	GGSTS-H_2O(-35)
389.1383	**406.1591**	**416.1468**	**424.1658**	**434.1522**	**452.1625**	**482.1505**	**488.2247**	**499.1755**	**517.1801**
	a_5-H_2O(-32)		a_5(-40)	b_5-H_2O(-34)	b_5(-33)	y_9^{+2}(-149) TSYGT-28(-154)	y_4(-44)		
535.1948	**553.2041**	**589.2642**	**604.2094**	**622.2183**	**718.2977**	**749.2630**	**767.2590**	**777.8039**	**785.2671**
GGSTSY-H_2O(-37) b_6-H_2O(-37) SYGTGS-H_2O(-37) YGGSTS-H_2O(-37) GSTSYG-H_2O(-37)	GGSTSY(-38) b_6(-38) SYGTGS(-38) YGGSTS(-38) GSTSYG(-38)	y_5(-51)		b_7-H_2O(-46)	y_6(-54)	GTGSETES(-42) y_{15}-H_2O^{+2}(-84)		y_{16}-H_2O^{+2}(-43)	b_8-H_2O(-55)
786.8086	**803.2748**	**805.3253**	**862.3397**	**893.8387**	**902.8414**	**911.8493**	**963.3809**	**1020.3968**	**1183.4466**
y_{16}^{+2}(-43)	b_8(-57)	y_7(-54)	y_8(-58)		MH-H_2O^{+2}(-48)	MH^{+2}(-45)	y_9(-59)	y_{10}(-61)	y_{11}(-64)

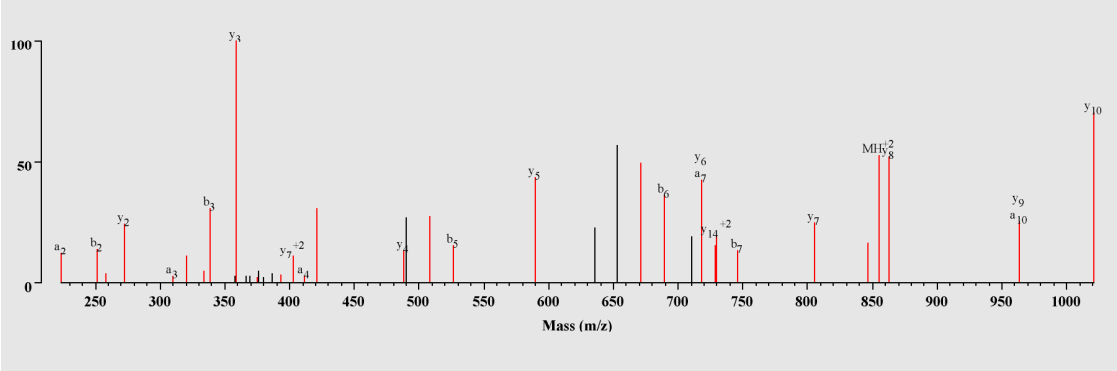
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S 18	---	---
251.1026	2	Y 17	1735.7406	868.3739
308.1241	3	G 16	1572.6772	786.8423
365.1456	4	G 15	1515.6558	758.3315
452.1776	5	S 14	1458.6343	729.8208
553.2253	6	T 13	1371.6023	686.3048
640.2573	7	S 12	1270.5546	635.7809
803.3206	8	Y 11	1183.5226	592.2649
860.3421	9	G 10	1020.4592	510.7333
961.3898	10	T 9	963.4378	482.2225
1018.4112	11	G 8	862.3901	431.6987
1105.4433	12	S 7	805.3686	403.1880
1234.4859	13	E 6	718.3366	359.6719
1335.5335	14	T 5	589.2940	295.1506

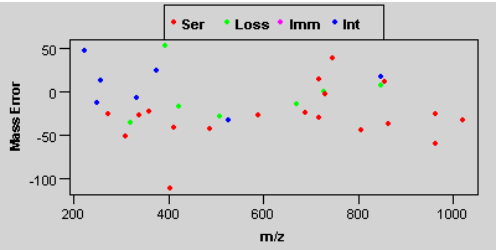
1464.5761	15	**E**	4	488.2463	244.6268
1551.6082	16	**S**	3	359.2037	180.1055
1648.6609	17	**P**	2	272.1717	136.5895
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTSYGTGSETESPR^{+2}



Max Intensity: **4.54**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **84.2%** Matched Series Intensity: **82.9%**



Sequence: SYSTSYGTGSETESPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C70 H106 N19 O31

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1709.7307	1708.7297	855.3691	854.8685

[–] **Peak Matches**

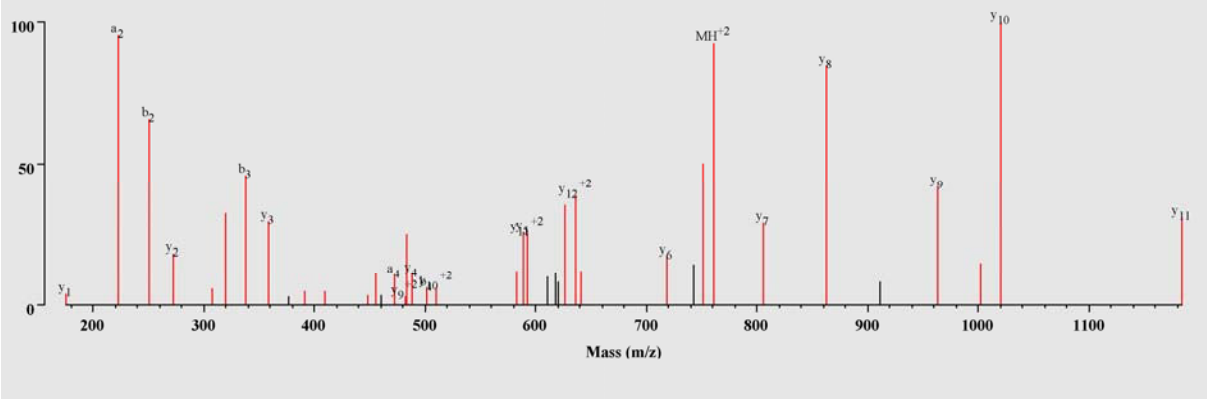
223.1181	251.0997	258.1119	272.1650	310.1240	320.1126	334.1376	338.1254	358.1325	359.1955
SY-28(47) a_2(47) YS-28(47)	SY(-12) b_2(-12) YS(-12)	STS-H_2O(13)	y_2(-25)	a_3(-51)	b_3-H_2O(-36)	TSY-H_2O(-6.4) YST-H_2O(-6.4)	b_3(-27)		y_3(-23)
366.1279	**369.1568**	**375.1606**	**376.1439**	**380.1434**	**386.1332**	**393.1976**	**403.1433**	**411.1705**	**421.1647**
		GSET(25) TGSE(25)				a_4-H_2O(53)	y_7^{+2}(-111)	STSY-28(-41) YSTS-28(-41) a_4(-41)	STSY-H_2O(-17) YSTS-H_2O(-17) b_4-H_2O(-17)
488.2259	**490.1855**	**508.1898**	**526.1974**	**589.2780**	**635.2348**	**653.2406**	**671.2577**	**689.2614**	**710.2503**
y_4(-42)		b_5-H_2O(-28)	b_5(-32) ETESP-H_2O(-32)	y_5(-27)			b_6-H_2O(-14)	b_6(-24)	
718.3149	**728.2884**	**729.8193**	**746.3277**	**805.3329**	**846.3618**	**854.8781**	**862.3582**	**963.3813**	**1020.4260**
a_7(15) y_6(-30)	b_7-H_2O(-0.27)	y_{14}^{+2}(-2.0)	b_7(38)	y_7(-44)	GTGSETESP(17) MH-NH_3^{+2}(7.8)	MH^{+2}(11)	y_8(-37)	a_{10}(-25) y_9(-59)	y_{10}(-33)

[–] **Main Sequence Ions**

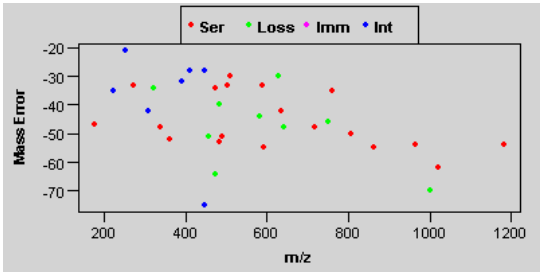
b			y	y^{+2}
---	1	**S**	16 ---	---
251.1026	2	**Y**	15 1621.6976	811.3525
338.1347	3	**S**	14 1458.6343	729.8208
439.1823	4	**T**	13 1371.6023	686.3048
526.2144	5	**S**	12 1270.5546	635.7809
689.2777	6	**Y**	11 1183.5226	592.2649
746.2992	7	**G**	10 1020.4592	510.7333
847.3468	8	**T**	9 963.4378	482.2225
904.3683	9	**G**	8 862.3901	431.6987
991.4003	10	**S**	7 805.3686	403.1880
1120.4429	11	**E**	6 718.3366	359.6719
1221.4906	12	**T**	5 589.2940	295.1506
1350.5332	13	**E**	4 488.2463	244.6268
1437.5652	14	**S**	3 359.2037	180.1055
1534.6180	15	**P**	2 272.1717	136.5895
---	16	**R**	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYGTGSETESPR^{+2}



Max Intensity: **22.3**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **94.3%** Matched Series Intensity: **93.4%**



Sequence SYSYGTGSETESPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H94 N17 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1521.5463	1520.6500	761.2769	760.8286

[–] **Peak Matches**

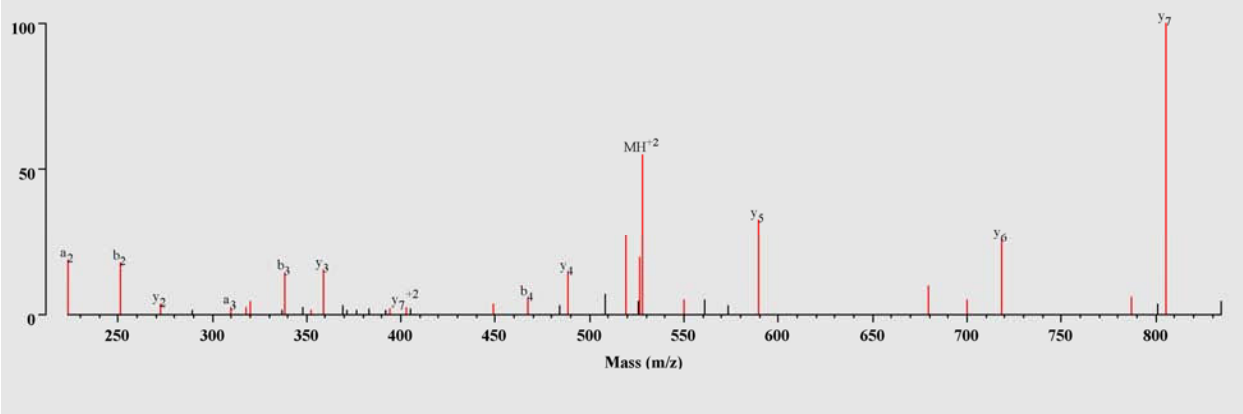
175.1108	223.1000	251.0974	272.1627	308.1111	320.1133	338.1183	359.1851	377.1282	391.1485
y_1(-47)	YS-28(-35) a_2(-35) SY-28(-35)	b_2(-21) YS(-21) SY(-21)	y_2(-33)	SYG(-42)	b_3-H_2O(-34)	b_3(-48)	y_3(-52)		SYGT-H_2O(-32)
409.1605	**448.1702**	**455.1695**	**460.1581**	**473.1870**	**482.1970**	**483.1680**	**488.2216**	**501.1814**	**510.7180**
SYGT(-28)	YGTGS-H_2O(-28) SYGTG-H_2O(-28) TGSET-28(-75)	a_4-H_2O(-51)		a_4(-34) y_9-H_2O^{+2}(-64)	y_9^{+2}(-53)	b_4-H_2O(-40)	y_4(-51)	b_4(-33)	y_{10}^{+2}(-30)
583.2342	**589.2745**	**592.2325**	**610.7469**	**617.7341**	**620.8877**	**626.7568**	**635.7542**	**641.2257**	**718.3021**
y_{11}-H_2O^{+2}(-44)	y_5(-33)	y_{11}^{+2}(-55)				y_{12}-H_2O^{+2}(-30)	y_{12}^{+2}(-42)	b_6-H_2O(-48)	y_6(-48)
742.7910	**751.7889**	**760.8018**	**805.3284**	**862.3426**	**911.8230**	**963.3855**	**1002.3789**	**1020.3957**	**1183.4582**
	MH-H_2O^{+2}(-46)	MH^{+2}(-35)	y_7(-50)	y_8(-55)		y_9(-54)	y_{10}-H_2O(-70)	y_{10}(-62)	y_{11}(-54)

[–] **Main Sequence Ions**

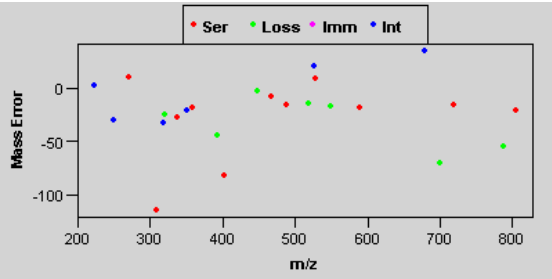
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1433.6179	717.3126
338.1347	3	S	12 1270.5546	635.7809
501.1980	4	Y	11 1183.5226	592.2649
558.2195	5	G	10 1020.4592	510.7333
659.2671	6	T	9 963.4378	482.2225
716.2886	7	G	8 862.3901	431.6987
803.3206	8	S	7 805.3686	403.1880
932.3632	9	E	6 718.3366	359.6719
1033.4109	10	T	5 589.2940	295.1506
1162.4535	11	E	4 488.2463	244.6268
1249.4855	12	S	3 359.2037	180.1055
1346.5383	13	P	2 272.1717	136.5895
---	14	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSETESPR^{+2}



Max Intensity: **6.74**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **89.0%** Matched Series Intensity: **86.5%**



Sequence: SYSETESPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C43 H67 N12 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1056.0802	1055.4640	528.5438	528.2356

[–] **Peak Matches**

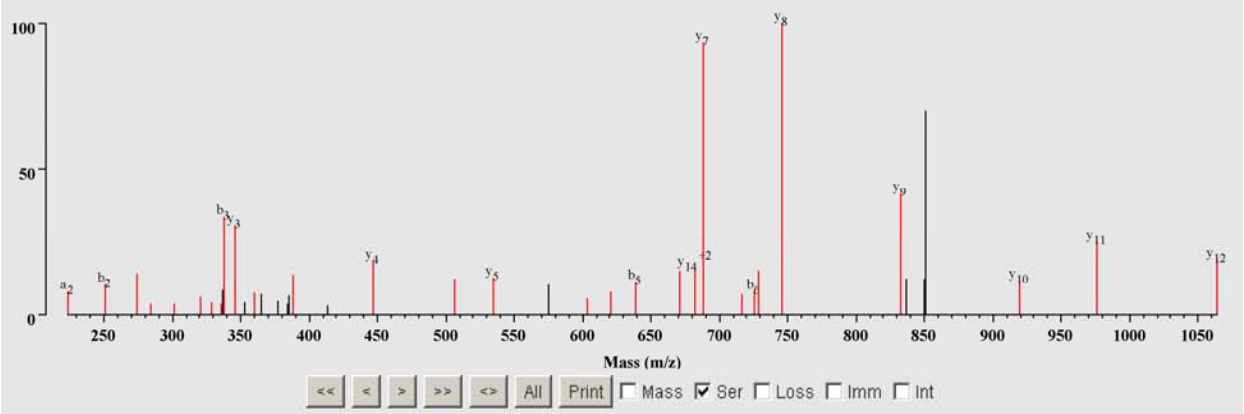
223.1082	**251.0952**	**272.1744**	**289.0700**	**310.1040**	**318.1191**	**320.1160**	**337.0680**	**338.1254**	**348.1189**
a_2(2.2) YS-28(2.2)	b_2(-30) YS(-30)	y_2(9.9)		a_3(-115)	SET(-33) TES(-33)	b_3-H_2O(-25)		b_3(-27)	
352.1428	**359.1972**	**369.0114**	**371.1272**	**376.1328**	**383.1760**	**392.1566**	**394.1648**	**403.1547**	**405.1736**
YSE-28(-21)	y_3(-18)						y_7-H_2O^{+2}(-45)	y_7^{+2}(-82)	
449.1653	**467.1736**	**484.1666**	**488.2385**	**508.2324**	**519.2228**	**525.7415**	**526.2256**	**528.2403**	**550.2052**
b_4-H_2O(-3.1)	b_4(-7.8)		y_4(-16)		MH-H_2O^{+2}(-15)		ETESP-H_2O(21)	MH^{+2}(8.8)	b_5-H_2O(-17)
561.2343	**573.2111**	**589.2826**	**679.2809**	**700.2762**	**718.3250**	**787.3147**	**801.3464**	**805.3517**	**834.3658**
		y_5(-19)	b_6-H_2O(35) YSETES-H_2O(35)	y_6-H_2O(-71)	y_6(-16)	y_7-H_2O(-55)		y_7(-21)	

[–] **Main Sequence Ions**

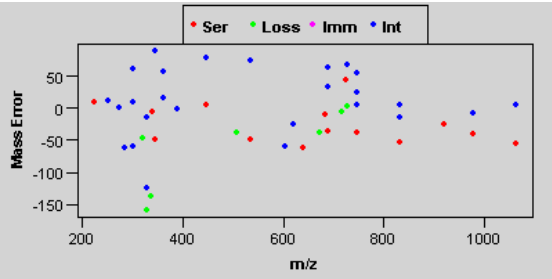
b			y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	968.4320	484.7196
338.1347	3	S	7	805.3686	403.1880
467.1773	4	E	6	718.3366	359.6719
568.2249	5	T	5	589.2940	295.1506
697.2675	6	E	4	488.2463	244.6268
784.2996	7	S	3	359.2037	180.1055
881.3523	8	P	2	272.1717	136.5895
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSWNSGSSGPGSTGNR^{+2}



Max Intensity: **3.54**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **79.7%** Matched Series Intensity: **79.7%**



Sequence: SYSWNSGSSGPGSTGNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H102 N23 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1701.7165	1700.7259	851.3620	850.8666

[–] Peak Matches

223.1096	251.1057	274.1188	284.0853	301.1325	320.1092	329.1046	336.1129	337.1028	338.1324
YS-28(8.4) a_2(8.4)	b_2(12) YS(12)	SW(0.66)	WN-NH_3(-62)	SGSS-H_2O(61) WN(9.9) SSGP-28(-60)	b_3-H_2O(-47)	NSGS-NH_3(-14) SSGP(-124) y_3-NH_3(-159)	y_7-NH_3^{+2}(-137)		b_3(-6.7)
346.1666	**353.1026**	**360.1720**	**365.1559**	**377.1726**	**384.1753**	**385.1889**	**388.1613**	**413.1497**	**447.2336**
NSGS(89) y_3(-48)		STGN(57) WNS-28(15) SWN-28(15)					SWN(-0.63) WNS(-0.63)		SWNS-28(78) y_4(5.8)
506.1839	**534.2375**	**575.2252**	**603.2376**	**620.2309**	**638.2179**	**671.2847**	**682.2964**	**688.3125**	**716.8088**
b_4-H_2O(-39)	YSWN-NH_3(73) y_5(-48)		SSGPGSTG-28(-59) GSSGPGST-28(-59)	b_5-H_2O(-25) YSWNS-H_2O(-25)	YSWNS(-61) b_5(-61)	y_7-NH_3(-39)	y_{14}^{+2}(-9.5)	SWNSGSS-H_2O(64) GSSGPGSTG(33) y_7(-36)	y_{15}-H_2O^{+2}(-6.7)
725.3207	**728.3344**	**745.3299**	**832.3465**	**836.2999**	**849.3963**	**850.3869**	**919.3987**	**976.4044**	**1063.4171**
b_6(44)	SSGPGSTGN-NH_3(68) y_8-NH_3(3.0)	SWNSGSSG-H_2O(54) SSGPGSTGN(25) WNSGSSGP-28(4.7) y_8(-39)	NSGSSGPGST(4.0) SWNSGSSGP-28(-14) y_9(-53)				y_{10}(-26)	SWNSGSSGPGS-28(-7.7) y_{11}(-41)	YSWNSGSSGPG-NH_3(5.2) y_{12}(-56)

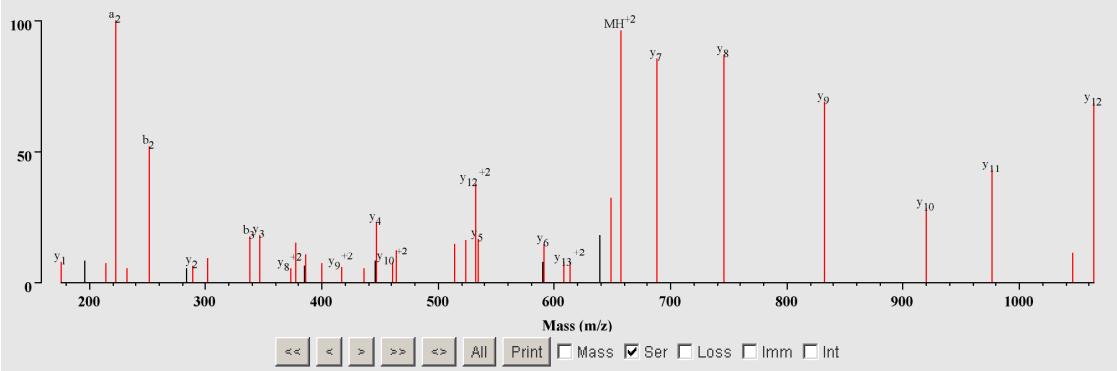
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	17	---	---
251.1026	2	Y	16	1613.6939	807.3506
338.1347	3	S	15	1450.6306	725.8189
524.2140	4	W	14	1363.5985	682.3029
638.2569	5	N	13	1177.5192	589.2632
725.2889	6	S	12	1063.4763	532.2418
782.3104	7	G	11	976.4443	488.7258
869.3424	8	S	10	919.4228	460.2150
956.3745	9	S	9	832.3908	416.6990
1013.3959	10	G	8	745.3587	373.1830
1110.4487	11	P	7	688.3373	344.6723
1167.4701	12	G	6	591.2845	296.1459
1254.5022	13	S	5	534.2631	267.6352
1355.5498	14	T	4	447.2310	224.1191

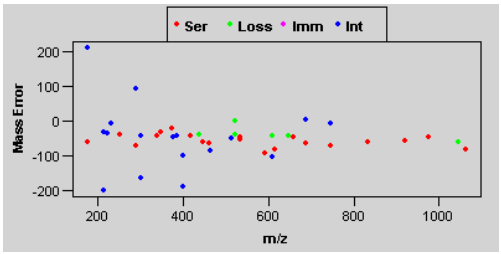
1412.5713	15	**G**	3	346.1833	173.5953
1526.6142	16	**N**	2	289.1619	145.0846
---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSGSSGPGSTGNR^{+2}



Max Intensity: **4.18**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.6%** Matched Series Intensity: **93.8%**



Sequence SYSGSSGPGSTGNR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H81 N18 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1314.3186	1313.5716	657.6630	657.2895

[–] **Peak Matches**

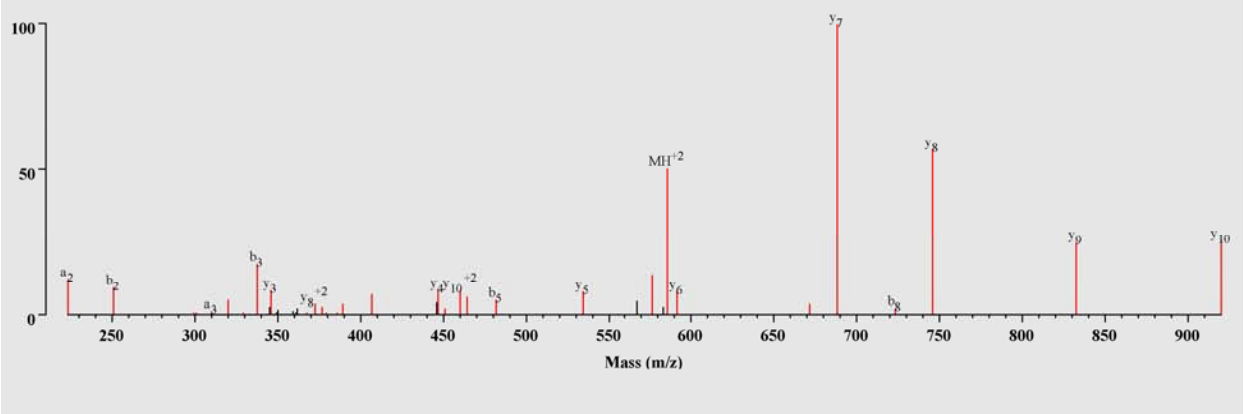
175.1083	196.0858	214.0756	223.1000	232.0914	251.0929	283.0820	289.1409	301.1013	338.1200
SS(211) y_1(-61)		SSG-H_2O(-31) SGS-H_2O(-31) GSS-H_2O(-31) PGS-28(-201) SGP-28(-201)	a_2(-35) YS-28(-35)	GSS(-6.0) SGS(-6.0) SSG(-6.0)	YS(-39) b_2(-39)		GSSG(92) y_2(-73)	SGSS-H_2O(-43) SSGP-28(-164)	b_3(-43)
346.1724	**373.1744**	**377.1282**	**385.1337**	**386.1503**	**400.1067**	**416.6817**	**436.1646**	**446.1310**	**447.2031**
y_3(-32)	y_8^{+2}(-23)	b_4-H_2O(-46) YSGS-H_2O(-46)		SGPGS(-43) GSSGP(-43) SSGPG(-43)	GSTGN-NH_3(-99) PGSTG(-190) GPGST(-190)	y_9^{+2}(-42)	a_5-H_2O(-41)		y_4(-62)
460.1845	**464.1376**	**514.1994**	**523.2154**	**532.2136**	**534.2373**	**590.1869**	**591.2288**	**608.2049**	**613.7231**
y_{10}^{+2}(-66)	b_5-H_2O(-86) YSGSS-H_2O(-86)	PGSTGN(-51)	a_6-H_2O(1.3) y_{12}-H_2O^{+2}(-40)	y_{12}^{+2}(-53)	y_5(-48)		y_6(-94)	b_7-H_2O(-43) YSGSSGP-28(-103)	y_{13}^{+2}(-82)
639.2644	**648.2569**	**657.2588**	**688.2918**	**745.3054**	**832.3408**	**919.3687**	**976.3979**	**1045.4022**	**1063.3885**
	MH-H_2O^{+2}(-42)	MH^{+2}(-47)	GSSGPGSTG(3.1) y_7(-66)	SSGPGSTGN(-7.7) y_8(-72)	y_9(-60)	y_{10}(-59)	y_{11}(-47)	y_{12}-H_2O(-61)	y_{12}(-83)

[–] **Main Sequence Ions**

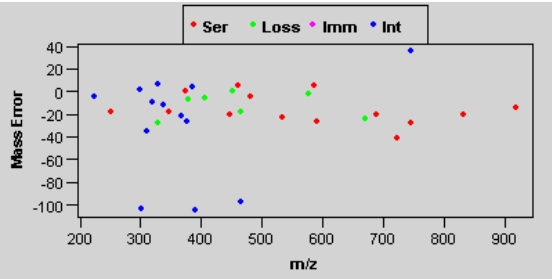
b			y	y^{+2}
---	1	S 14	---	---
251.1026	2	Y 13	1226.5396	613.7734
338.1347	3	S 12	1063.4763	532.2418
395.1561	4	G 11	976.4443	488.7258
482.1882	5	S 10	919.4228	460.2150
569.2202	6	S 9	832.3908	416.6990
626.2416	7	G 8	745.3587	373.1830
723.2944	8	P 7	688.3373	344.6723
780.3159	9	G 6	591.2845	296.1459
867.3479	10	S 5	534.2631	267.6352
968.3956	11	T 4	447.2310	224.1191
1025.4170	12	G 3	346.1833	173.5953
1139.4600	13	N 2	289.1619	145.0846
---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSGPGSTGNR^{+2}



Max Intensity: **32.9**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **95.0%** Matched Series Intensity: **94.1%**



Sequence: SYSSGPGSTGNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C46 H73 N16 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1170.1877	1169.5182	585.5975	585.2627

[–] **Peak Matches**

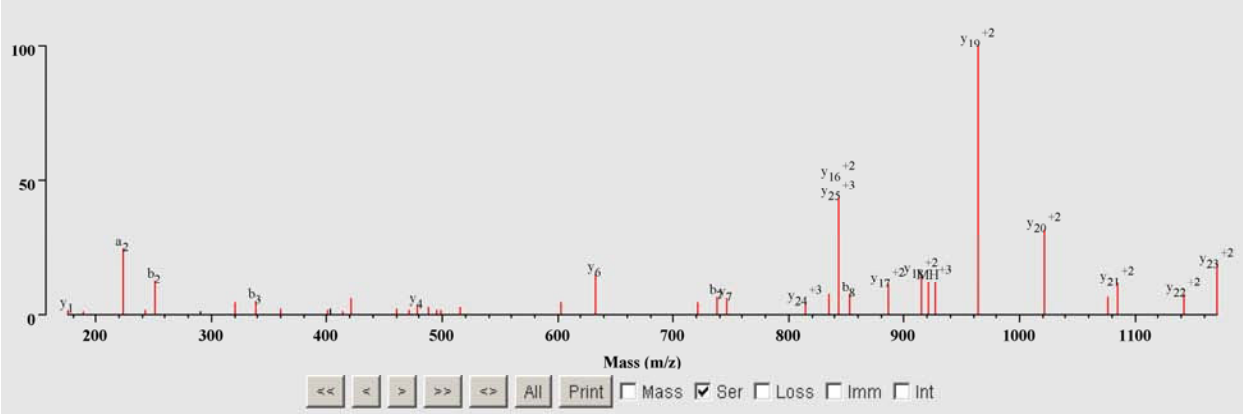
223.1068	251.0982	299.1353	301.1194	310.1290	320.1211	329.1475	338.1306	345.1724	346.1772
a_2(-4.1) YS-28(-4.1)	YS(-18) b_2(-18)	GPGS(1.0) SGPG(1.0)	SSGP-28(-104)	a_3(-35) YSS-28(-35)	b_3-H_2O(-9.4) YSS-H_2O(-9.4)	SSGP(5.9) y_3-NH_3(-28)	b_3(-12) YSS(-12)		y_3(-18)
349.1298	**350.1262**	**359.1237**	**361.1283**	**362.1290**	**368.1482**	**373.1832**	**377.1358**	**379.1586**	**386.1685**
					SSGPG-H_2O(-22) SGPGS-H_2O(-22)	y_8^{+2}(0.51)	YSSG-H_2O(-26)	a_4-H_2O(-6.9)	SGPGS(3.8) SSGPG(3.8)
389.1372	**407.1537**	**446.1594**	**447.2216**	**451.2097**	**460.2173**	**464.1691**	**482.1859**	**534.2506**	**567.2554**
GSTGN-28(-105)	b_4-H_2O(-6.0)		y_4(-21)	y_{10}-H_2O^{+2}(-0.12)	y_{10}^{+2}(4.9)	b_5-H_2O(-18) YSSGP-28(-97)	b_5(-4.7)	y_5(-23)	
576.2563	**583.2620**	**585.2659**	**591.2694**	**671.2945**	**688.3225**	**723.2650**	**745.3377**	**832.3738**	**919.4102**
MH-H_2O^{+2}(-2.0)		MH^{+2}(5.5)	y_6(-26)	y_7-NH_3(-24)	y_7(-21)	b_8(-41)	SSGPGSTGN(36) y_8(-28)	y_9(-20)	y_{10}(-14)

[–] **Main Sequence Ions**

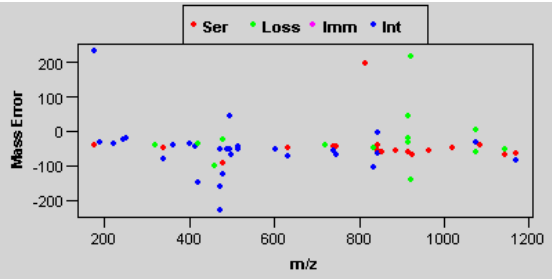
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1082.4861	541.7467
338.1347	3	S	10	919.4228	460.2150
425.1667	4	S	9	832.3908	416.6990
482.1882	5	G	8	745.3587	373.1830
579.2409	6	P	7	688.3373	344.6723
636.2624	7	G	6	591.2845	296.1459
723.2944	8	S	5	534.2631	267.6352
824.3421	9	T	4	447.2310	224.1191
881.3636	10	G	3	346.1833	173.5953
995.4065	11	N	2	289.1619	145.0846
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTGNQNPGSPRPGSTGTWNPGSSER^{+3}



Max Intensity: **89.1**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.2%** Matched Series Intensity: **99.1%**



Sequence: SYSTGNQNPGSPRPGSTGTWNPGSSER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C114 H173 N38 O44

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2779.8734	2778.2462	1390.4404	1389.6268	927.2961	926.7536

[–] Peak Matches

175.1121	189.0808	223.1000	243.1030	251.0974	290.1266	320.1116	338.1183	360.1364	401.1637
SS(233) y_1(-39)	SE-28(-33) ST(-33)	a_2(-35) YS-28(-35)	QN(-24) NQ(-24)	b_2(-21) YS(-21)		b_3-H_2O(-39)	b_3(-48) NPGS-H_2O(-82)	STGN(-42)	TGNQ(-35)
403.1469	**414.1548**	**421.1562**	**460.1683**	**471.1594**	**478.1821**	**488.1840**	**495.2414**	**498.1605**	**515.1978**
	GNQN(-44)	b_4-H_2O(-37) SPRP-NH_3(-150)	STGNQ-28(-102) y_4-H_2O(-102)	STGNQ-NH_3(-51) TWNP-28(-161) RPGST-28(-229)	b_5-H_2O(-23) y_4(-91) PRPGS-NH_3(-123) SPRPG-NH_3(-123) PGSPR-NH_3(-123) GSPRP-NH_3(-123)	STGNQ(-53)	YSTGN-28(44) SPRPG(-53) PRPGS(-53) GSPRP(-53) PGSPR(-53)	TGNQN-NH_3(-68)	TGNQN(-45) STGTW-H_2O(-53)
602.2214	**632.2680**	**721.2499**	**738.2738**	**746.3082**	**814.5381**	**835.2812**	**843.3557**	**852.2977**	**886.8708**
STGNQN(-52)	y_6(-50) PGSPRPG-NH_3(-74)	b_7-NH_3(-40)	b_7(-43) STGNQNPG-H_2O(-58) TGNQNPGS-H_2O(-58)	y_7(-46) NPGSPRPG-NH_3(-67)	y_{24}^{+3}(197)	b_8-NH_3(-48) TGNQNPGSP-H_2O(-105)	STGNQNPGS(-4.1) y_{25}^{+3}(-39) y_{16}^{+2}(-56) RPGSTGTW(-65)	b_8(-59)	y_{17}^{+2}(-55)
914.9539	**915.3757**	**920.9490**	**926.6887**	**963.9025**	**1020.9301**	**1076.4301**	**1084.9640**	**1141.9507**	**1170.4648**
b_{19}-H_2O^{+2}(43)	y_8-NH_3(-22) b_{19}-NH_3^{+2}(-33) y_{18}^{+2}(-59)	MH-H_2O^{+3}(216) MH-NH_3^{+3}(-140)	MH^{+3}(-70)	y_{19}^{+2}(-56)	y_{20}^{+2}(-47)	b_{11}-NH_3(2.0) STGTWNPGSSE-28(-32) y_{21}-NH_3^{+2}(-59)	y_{21}^{+2}(-40)	b_{23}-H_2O^{+2}(-54) y_{22}^{+2}(-68)	y_{23}^{+2}(-64) RPGSTGTWNPGS-28(-86) GSPRPGSTGTWN-28(-86)

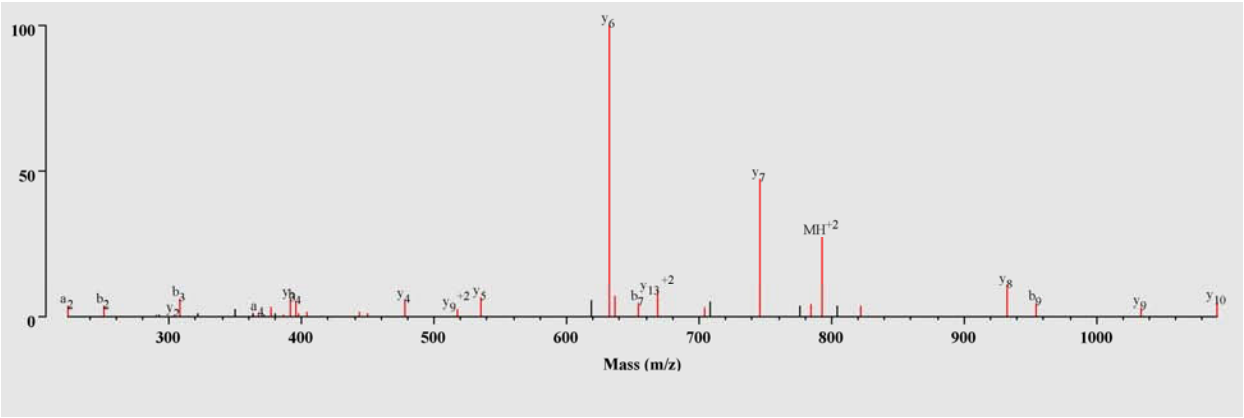
[–] Main Sequence Ions

b	b^{+2}			y		y^{+2}
---	---	1	S	27	---	---
251.1026	---	2	Y	26	2691.2142	1346.1107
338.1347	---	3	S	25	2528.1509	1264.5791
439.1823	---	4	T	24	2441.1189	1221.0631
496.2038	---	5	G	23	2340.0712	1170.5392
610.2467	---	6	N	22	2283.0497	1142.0285
738.3053	---	7	Q	21	2169.0068	1085.0070
852.3482	---	8	N	20	2040.9482	1020.9777
949.4010	---	9	P	19	1926.9053	963.9563
1006.4225	---	10	G	18	1829.8525	915.4299
1093.4545	---	11	S	17	1772.8310	886.9192

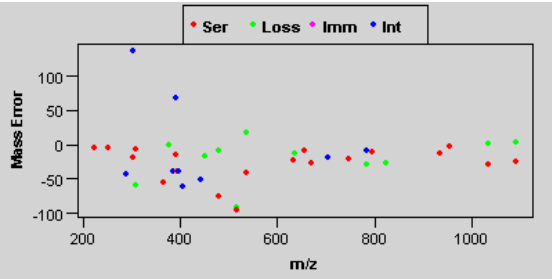
1190.5073	---	12	**P**	16	1685.7990	843.4031
1346.6084	673.8078	13	**R**	15	1588.7463	794.8768
1443.6611	722.3342	14	**P**	14	1432.6451	716.8262
1500.6826	750.8449	15	**G**	13	1335.5924	668.2998
1587.7146	794.3609	16	**S**	12	1278.5709	639.7891
1688.7623	844.8848	17	**T**	11	1191.5389	596.2731
1745.7838	873.3955	18	**G**	10	1090.4912	545.7492
1846.8314	923.9194	19	**T**	9	1033.4697	517.2385
2032.9108	1016.9590	20	**W**	8	932.4221	466.7147
2146.9537	1073.9805	21	**N**	7	746.3428	373.6750
2244.0064	1122.5069	22	**P**	6	632.2998	316.6536
2301.0279	1151.0176	23	**G**	5	535.2471	268.1272
2388.0599	1194.5336	24	**S**	4	478.2256	239.6164
2475.0920	1238.0496	25	**S**	3	391.1936	196.1004
2604.1346	1302.5709	26	**E**	2	304.1615	152.5844
---	---	27	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSTGTWNPGSSER^{+2}



Max Intensity: **17.4**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **91.6%** Matched Series Intensity: **90.6%**



Sequence SYGSTGTWNPGSSER

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C66 H97 N20 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1586.6244	1585.6877	793.8159	793.3475

[–] Peak Matches

223.1068	251.1012	290.1009	292.1163	304.1557	308.1221	321.1278	350.1368	363.1492	367.1410
a_2(-4.1)	b_2(-5.7)	b_3-H_2O(-44) YGS-H_2O(-44)		SSE(137) y_2(-19)	YGS(-6.5) b_3(-6.5) y_6-NH_3^{+2}(-59)				a_4(-55)
372.1508	**377.1450**	**380.1601**	**386.1518**	**391.1882**	**395.1407**	**398.1663**	**404.1531**	**443.1655**	**450.1910**
	b_4-H_2O(-1.5)		GSTGT-H_2O(-39)	YGST-H_2O(69) y_3(-14)	b_4(-39)	WNP(-40)	GSTGT(-61)	NPGSS(-52)	a_5-H_2O(-16)
478.1891	**517.1888**	**535.2246**	**618.2265**	**632.2849**	**636.2539**	**654.2668**	**668.2815**	**704.2870**	**708.3043**
b_5-H_2O(-8.7) y_4(-76)	y_5-H_2O(-92) y_9^{+2}(-96)	b_6-H_2O(18) y_5(-42)		y_6(-24)	b_7-H_2O(-13)	b_7(-9.4)	y_{13}^{+2}(-27)	GSTGTWN(-18)	
746.3277	**775.8331**	**784.3191**	**793.3390**	**804.3099**	**822.3196**	**932.4110**	**954.3921**	**1033.4383**	**1090.4633**
y_7(-20)		STGTWNPG-NH_3(-8.9) GSTGTWNP-NH_3(-8.9) TGTWNPGS-NH_3(-8.9) MH-H_2O^{+2}(-29)	MH^{+2}(-11)		b_8-H_2O(-27)	y_8(-12)	b_9(-3.2)	b_{10}-H_2O(0.88) y_9(-30)	YGSTGTWNPGS-H_2O(4.1) b_{11}-H_2O(4.1) y_{10}(-26)

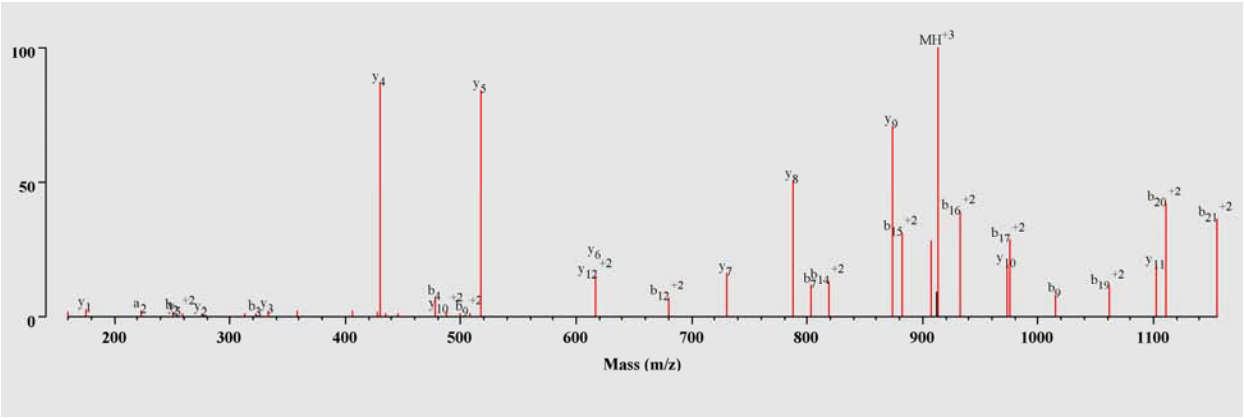
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1498.6557	749.8315
308.1241	3	G	1335.5924	668.2998
395.1561	4	S	1278.5709	639.7891
496.2038	5	T	1191.5389	596.2731
553.2253	6	G	1090.4912	545.7492
654.2729	7	T	1033.4697	517.2385
840.3523	8	W	932.4221	466.7147
954.3952	9	N	746.3428	373.6750
1051.4480	10	P	632.2998	316.6536
1108.4694	11	G	535.2471	268.1272
1195.5014	12	S	478.2256	239.6164
1282.5335	13	S	391.1936	196.1004
1411.5761	14	E	304.1615	152.5844

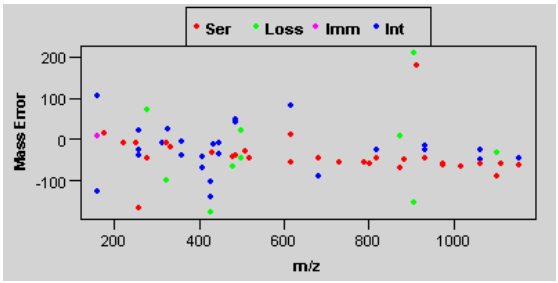
--- 15 **R** 1 175.1190 88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYARPNNPDWGTFEEVSGNVSPGTR^{+3}



Max Intensity: **145**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **98.8%** Matched Series Intensity: **98.6%**



Sequence: SYARPNNPDWGTFEEVSGNVSPGTR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C118 H174 N35 O41

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2738.9075	2737.2601	1369.9575	1369.1337	913.6408	913.0915

[–] Peak Matches

159.0930	175.1214	223.1055	251.1006	259.0976	276.1545	313.1843	322.1369	326.1544	333.1820
GT(104) W(8.3) VS-28(-124)	y_1(14)	a_2(-9.9)	b_2(-8.1)	EE(20) SGN(-24) FE-H_2O(-39) y_2-NH_3(-164) y_5^{+2}(-164)	a_3-H_2O(73) y_2(-44)	VSPG-28(-8.7)	b_3(-8.8) a_6-H_2O^{+2}(-100)	PNN(26) NNP(26)	y_3(-18)
358.1588	**406.1439**	**428.1335**	**430.2273**	**435.1821**	**445.1888**	**478.2208**	**487.2383**	**499.2389**	**508.2190**
EEV(-5.8) GNVS(-37) SGNV(-37) VSGN(-37)	FEE(-42) PNNP-NH_3(-69)	SGNVS-NH_3(-103) PDWG-28(-139) a_8-NH_3^{+2}(-176)	y_4(-32)	GTFE(-12)	EEVS(-9.2) SGNVS(-34)	b_4(-42) y_{10}-H_2O^{+2}(-64)	EVSGN(48) FEEV-H_2O(40) y_{10}^{+2}(-38)	b_9-H_2O^{+2}(22) y_5-H_2O(-47)	b_9^{+2}(-28)
517.2489	**616.3073**	**680.2755**	**730.3445**	**787.3608**	**803.3311**	**818.3271**	**874.3784**	**882.8413**	**907.2777**
y_5(-46)	EEVSGN(81) y_{12}^{+2}(13) y_6(-55)	b_{12}^{+2}(-47) VSGNVSPG-H_2O(-89)	y_7(-54)	y_8(-57)	b_7(-60)	NPDWGTF(-24) b_{14}^{+2}(-44)	b_{15}-NH_3^{+2}(8.5) y_9(-68)	b_{15}^{+2}(-49)	MH-H_2O^{+3}(209) MH-NH_3^{+3}(-152)
912.6584	**913.2560**	**932.3758**	**973.4468**	**975.8783**	**1015.3939**	**1061.4053**	**1102.4517**	**1110.9360**	**1154.4470**
	MH^{+3}(180)	NNPDWGTF(-15) FEEVSGNVS-NH_3(-26) b_{16}^{+2}(-46)	y_{10}(-61)	b_{17}^{+2}(-58)	b_9(-64)	NNPDWGTFE(-25) PDWGTFEEV(-49) b_{19}^{+2}(-58)	b_{20}-NH_3^{+2}(-33) y_{11}(-88)	b_{20}^{+2}(-58)	YARPNNPDWG-NH_3(-47) b_{21}^{+2}(-61)

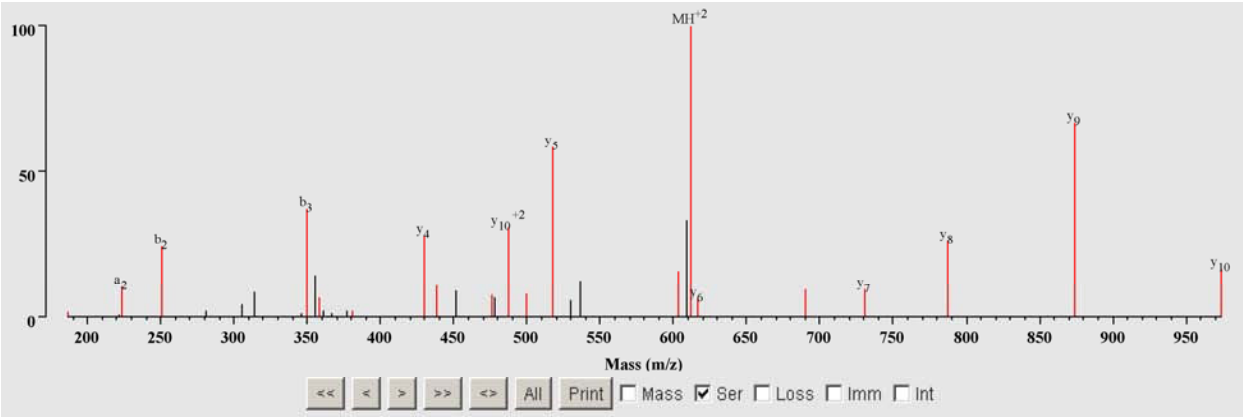
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	25 ---	---
251.1026	---	2	Y	24 2650.2281	1325.6177
322.1397	---	3	A	23 2487.1647	1244.0860
478.2409	239.6241	4	R	22 2416.1276	1208.5675
575.2936	288.1504	5	P	21 2260.0265	1130.5169
689.3365	345.1719	6	N	20 2162.9738	1081.9905
803.3795	402.1934	7	N	19 2048.9308	1024.9691
900.4322	450.7198	8	P	18 1934.8879	967.9476
1015.4592	508.2332	9	D	17 1837.8351	919.4212
1201.5385	601.2729	10	W	16 1722.8082	861.9077
1258.5600	629.7836	11	G	15 1536.7289	768.8681
1359.6076	680.3075	12	T	14 1479.7074	740.3573

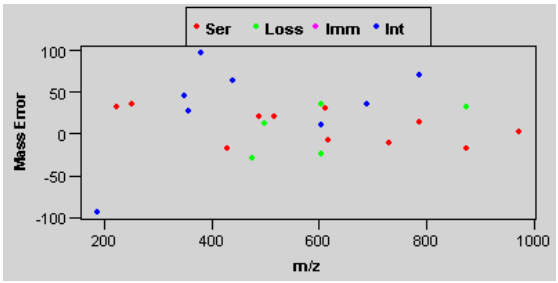
1506.6761	753.8417	13	**F**	13	1378.6597	689.8335
1635.7186	818.3630	14	**E**	12	1231.5913	616.2993
1764.7612	882.8843	15	**E**	11	1102.5487	551.7780
1863.8297	932.4185	16	**V**	10	973.5061	487.2567
1950.8617	975.9345	17	**S**	9	874.4377	437.7225
2007.8831	1004.4452	18	**G**	8	787.4057	394.2065
2121.9261	1061.4667	19	**N**	7	730.3842	365.6958
2220.9945	1111.0009	20	**V**	6	616.3413	308.6743
2308.0265	1154.5169	21	**S**	5	517.2729	259.1401
2405.0793	1203.0433	22	**P**	4	430.2409	215.6241
2462.1007	1231.5540	23	**G**	3	333.1881	167.0977
2563.1484	1282.0778	24	**T**	2	276.1666	138.5870
---	---	25	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVSGNVSPGTR^{+2}



Max Intensity: **2.62**
Num Matched: **21/35 (40.0% unmatched)** Matched Intensity: **82.6%** Matched Series Intensity: **77.9%**



Sequence: SYVSGNVSPGTR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H83 N16 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1224.3236	1223.6015	612.6655	612.3044

[–] Peak Matches

186.1062	221.0856	223.1151	251.1115	281.0429	305.1461	314.1821	346.2102	350.1871	355.0635
NV-28(-94)		a_2(33)	b_2(35)					b_3(46) YVS(46)	

358.1821	361.1740	367.1118	377.1745	381.2140	430.2332	438.2259	451.8412	476.2003	477.7587
GNVS(28) SGNV(28) VSGN(28)				NVSP-NH_3(97)	y_4(-18)	NVSPG-NH_3(63) GNVSP-NH_3(63)		b_5-H_2O(-29)	

487.2670	499.2684	517.2837	529.7732	536.7424	603.2842	603.8120	609.3149	612.3228	616.3362
y_{10}^{+2}(21)	y_5-H_2O(12)	y_5(21)			YVSGNV-NH_3(11) MH-H_2O^{+2}(-25)	MH-NH_3^{+2}(35)		MH^{+2}(30)	y_6(-8.3)

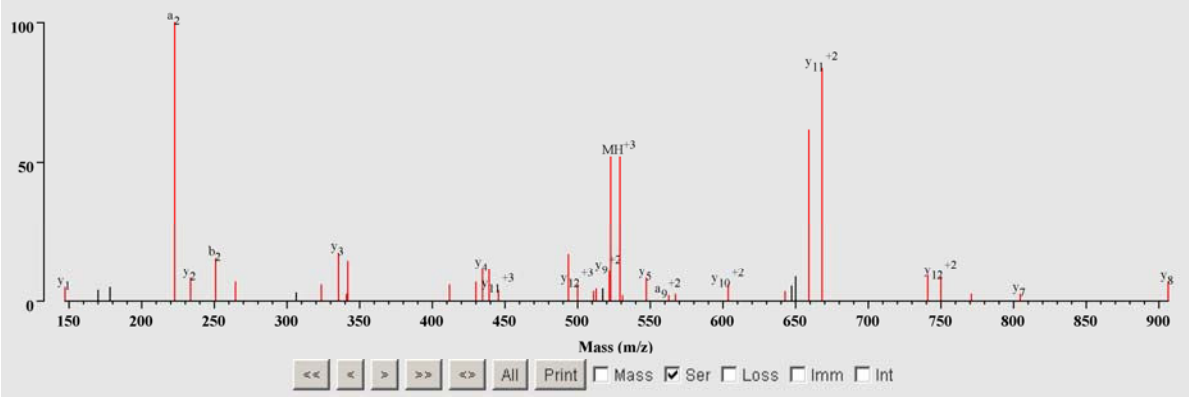
690.3338	730.3765	787.4169	874.4230	973.5083
b_7-NH_3(35) YVSGNVS-NH_3(35)	y_7(-11)	YVSGNVSP-NH_3(70) y_8(14)	b_9-NH_3(33) y_9(-17)	y_{10}(2.2)

[–] Main Sequence Ions

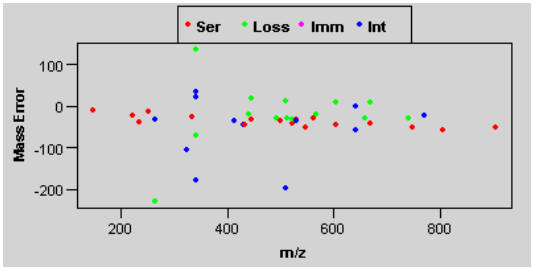
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1136.5695	568.7884
350.1710	3	V	10	973.5061	487.2567
437.2031	4	S	9	874.4377	437.7225
494.2245	5	G	8	787.4057	394.2065
608.2675	6	N	7	730.3842	365.6958
707.3359	7	V	6	616.3413	308.6743
794.3679	8	S	5	517.2729	259.1401
891.4207	9	P	4	430.2409	215.6241
948.4421	10	G	3	333.1881	167.0977
1049.4898	11	T	2	276.1666	138.5870
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEYHTEKLVTSK^{+3}



Max Intensity: **34.9**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.7%** Matched Series Intensity: **93.5%**



Sequence: SYEYHTEKLVTSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C71 H110 N17 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1585.7647	1584.7904	793.3860	792.8988	529.2598	528.9350

[–] **Peak Matches**

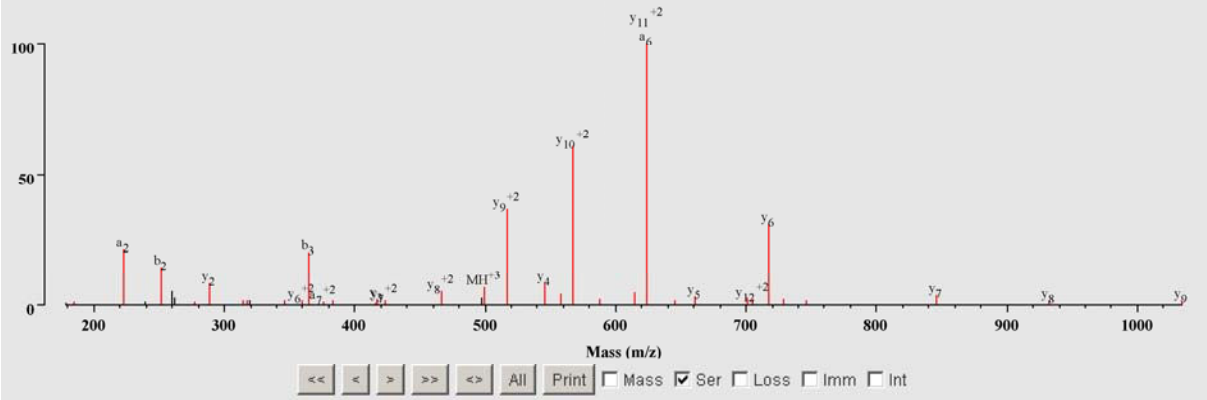
147.1112	170.1114	178.0814	223.1028	234.1360	251.0989	265.1099	306.1937	324.1934	335.1837
y_1(-11)			a_2(-22)	y_2(-38)	b_2(-15)	EY-28(-32) YE-28(-32) y_5-H_2O^{+2}(-230)		KLV-NH_3(-107)	y_3(-26)
341.1933	**342.1735**	**412.1466**	**430.1533**	**434.2417**	**439.5569**	**445.5555**	**493.9070**	**499.9068**	**511.2229**
b_8-NH_3^{+3}(136) TEK-H_2O(33) KLV(-180)	TEK-NH_3(22) y_9-H_2O^{+3}(-71)	EYH-H_2O(-36)	EYH(-44)	y_4(-44)	y_{11}-H_2O^{+3}(-21)	b_{11}-NH_3^{+3}(19) y_{11}^{+3}(-32)	y_{12}-H_2O^{+3}(-28)	y_{12}^{+3}(-35)	b_8-NH_3^{+2}(12) KLVTS-H_2O(-197)
512.7776	**516.9155**	**521.7768**	**522.9145**	**528.9176**	**531.2011**	**547.3163**	**562.2576**	**567.2550**	**603.3018**
y_9-H_2O^{+2}(-30)		y_9^{+2}(-41)	MH-H_2O^{+3}(-32)	MH^{+3}(-33)	YHTE(-35) EYHT(-35)	y_5(-52)	a_9^{+2}(-30)	b_9-H_2O^{+2}(-21)	a_{10}-NH_3^{+2}(10) y_{10}^{+2}(-47)
642.2518	**646.8264**	**649.8144**	**658.8257**	**667.8236**	**740.3556**	**749.3439**	**770.3280**	**804.4370**	**905.4841**
EYHTE-H_2O(-0.043) YHTEK-NH_3(-57)			y_{11}-H_2O^{+2}(-31)	b_{11}-NH_3^{+2}(10) y_{11}^{+2}(-41)	y_{12}-H_2O^{+2}(-30)	y_{12}^{+2}(-52)	EYHTEK-H_2O(-24)	y_7(-57)	y_8(-51)

[–] **Main Sequence Ions**

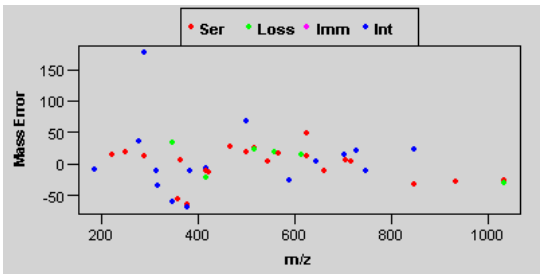
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1497.7584	749.3828
380.1452	---	3	E	11	1334.6951	667.8512
543.2086	---	4	Y	10	1205.6525	603.3299
680.2675	340.6374	5	H	9	1042.5891	521.7982
781.3151	391.1612	6	T	8	905.5302	453.2687
910.3577	455.6825	7	E	7	804.4825	402.7449
1038.4527	519.7300	8	K	6	675.4400	338.2236
1151.5368	576.2720	9	L	5	547.3450	274.1761
1250.6052	625.8062	10	V	4	434.2609	217.6341
1351.6529	676.3301	11	T	3	335.1925	168.0999
1438.6849	719.8461	12	S	2	234.1448	117.5761
---	---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLVTSKGDKELR^{+3}



Max Intensity: **37.2**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.1%** Matched Series Intensity: **96.1%**



Sequence SYLVTSKGDKELR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C65 H111 N18 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1496.7140	1495.8115	748.8607	748.4094	499.5763	499.2753

[–] **Peak Matches**

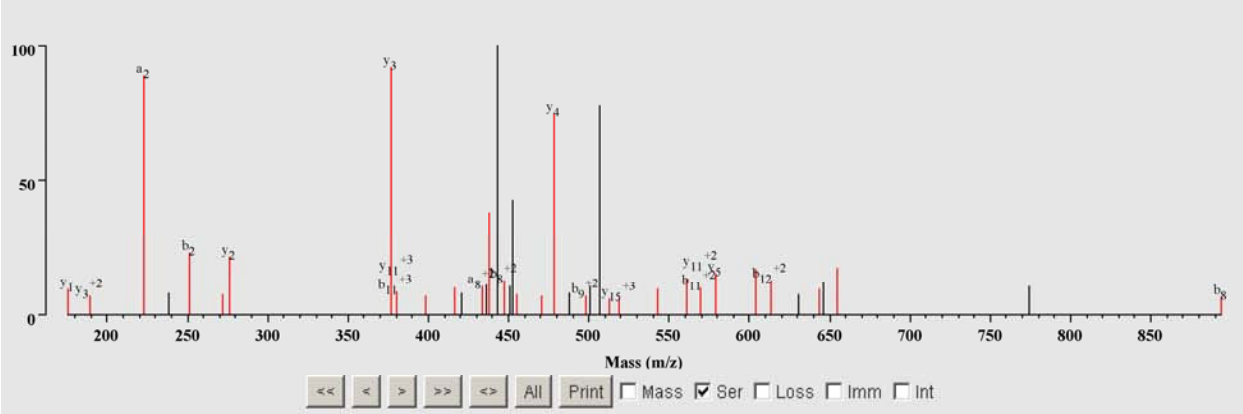
178.0840	185.1633	223.1110	239.1066	251.1072	260.0665	262.0608	277.1643	288.2065	314.2036
	LV-28(-8.3)	a_2(15)		b_2(18)			YL(35)	VTS(177) y_2(12)	LVT(-12)
317.1710	**319.1751**	**346.1878**	**359.1775**	**364.1885**	**376.1971**	**383.2242**	**416.2472**	**417.2404**	**423.2399**
TSK(-35)		b_3-H_2O(34) TSKG-28(-60)	y_6^{+2}(-57)	b_3(4.9)	a_7^{+2}(-64) YLV(-69)	LVTS-H_2O(-12)	VTSK(-7.6)	y_3(-12) a_4-H_2O(-22)	y_7^{+2}(-13)
466.7748	**497.2203**	**499.2845**	**517.2988**	**545.3427**	**557.8245**	**566.8294**	**588.2829**	**614.3658**	**623.3700**
y_8^{+2}(28)		SKGDK-NH_3(67) MH^{+3}(18)	y_9^{+2}(26) a_{10}-H_2O^{+2}(22)	y_4(3.9)	y_{10}-H_2O^{+2}(18)	y_{10}^{+2}(17)	VTSKGD(-27)	y_{11}-H_2O^{+2}(15)	a_6(48) y_{11}^{+2}(13)
645.3227	**660.3594**	**701.3936**	**704.8976**	**717.3918**	**728.3727**	**746.3588**	**845.4561**	**932.4890**	**1033.5356**
SKGDKE(3.8)	y_5(-12)	LVTSKGD(15)	y_{12}^{+2}(6.0)	y_6(3.9)	TSKGDKE-H_2O(21)	TSKGDKE(-12)	VTSKGDKE(23) y_7(-33)	y_8(-29)	y_9(-27) a_{10}-H_2O(-31)

[–] **Main Sequence Ions**

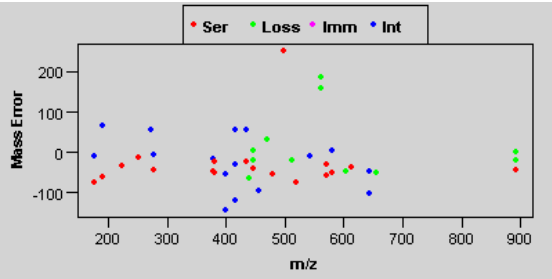
b	b^{+2}			y	y^{+2}
---	---	1	S 13	---	---
251.1026	---	2	Y 12	1408.7795	704.8934
364.1867	---	3	L 11	1245.7161	623.3617
463.2551	---	4	V 10	1132.6321	566.8197
564.3028	---	5	T 9	1033.5636	517.2855
651.3348	---	6	S 8	932.5160	466.7616
779.4298	390.2185	7	K 7	845.4839	423.2456
836.4512	418.7293	8	G 6	717.3890	359.1981
951.4782	476.2427	9	D 5	660.3675	330.6874
1079.5732	540.2902	10	K 4	545.3406	273.1739
1208.6157	604.8115	11	E 3	417.2456	209.1264
1321.6998	661.3535	12	L 2	288.2030	144.6051
---	---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTGKEKVTSGSTTTTR^{+4}



Max Intensity: **8.54**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **64.4%** Matched Series Intensity: **63.5%**



Sequence SYTGKEKVTSGSTTTTR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H127 N22 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1804.9634	1803.9083	902.9854	902.4578	602.3261	601.9743	451.9964	451.7325

[–] Peak Matches

175.1058	189.0990	223.1000	238.1002	251.0989	272.1393	276.1538	377.1962	380.1871	398.1819
TT-28(-11) y_1(-75)	ST(64) TS(64) y_3^{+2}(-62)	a_2(-35)		b_2(-15)	STT-H_2O(56)	TTT-28(-5.8) y_2(-46)	TTTT-28(-18) y_3(-48)	b_{11}^{+3}(-24) y_{11}^{+3}(-52)	TGKE-H_2O(-54) KVTS-H_2O(-145)
416.2008	**420.9717**	**433.2325**	**436.2121**	**438.2067**	**442.7134**	**447.2211**	**451.2127**	**452.2144**	**455.2180**
SGSTT-H_2O(56) TSGST-H_2O(56) TGKE(-32) KVTS(-119)		YTGK-NH_3(56) a_8^{+2}(-23)		b_8-H_2O^{+2}(-64)		y_9-H_2O^{+2}(2.9) MH-H_2O^{+4}(-20) b_8^{+2}(-42)			KVTSG-H_2O(-95)
470.5826	**478.2359**	**488.2216**	**497.8892**	**500.5693**	**506.5837**	**512.5954**	**518.5694**	**543.2721**	**560.8896**
b_{14}-H_2O^{+3}(30)	y_4(-55)		b_9^{+2}(252)			y_{15}-H_2O^{+3}(-20)	y_{15}^{+3}(-77)	KVTSGS-NH_3(-9.6)	b_{11}-H_2O^{+2}(186) y_{11}-H_2O^{+2}(157)
569.7732	**579.2801**	**604.2716**	**613.2825**	**630.2896**	**643.3099**	**645.7846**	**654.7912**	**774.3257**	**893.4328**
b_{11}^{+2}(-30) y_{11}^{+2}(-59)	YTGKE(4.8) y_5(-51)	b_{12}-H_2O^{+2}(-49)	b_{12}^{+2}(-39)		KVTSGST-H_2O(-48) TGKEKV(-105) GKEKVT(-105)		b_{13}-H_2O^{+2}(-52)		y_9-H_2O(0.56) MH-H_2O^{+2}(-22) b_8(-45)

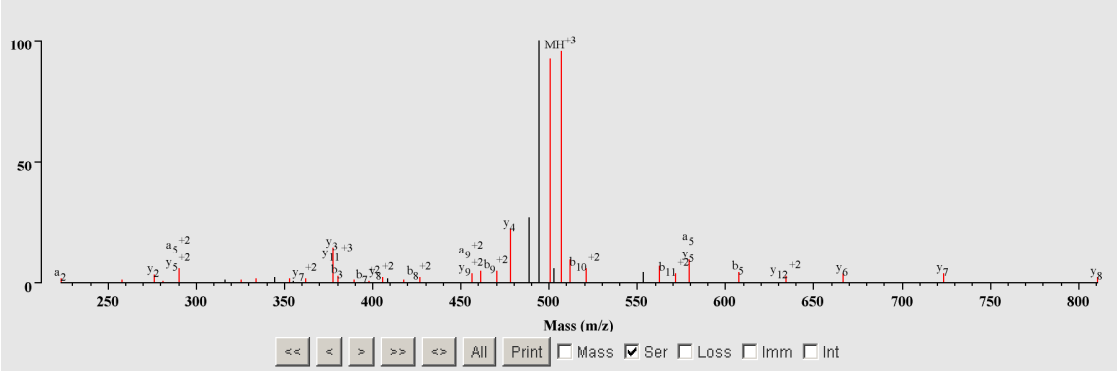
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	17 ---	---
251.1026	---	2	Y	16 1716.8763	858.9418
352.1503	---	3	T	15 1553.8129	777.4101
409.1718	---	4	G	14 1452.7653	726.8863
537.2667	269.1370	5	K	13 1395.7438	698.3755
666.3093	333.6583	6	E	12 1267.6488	634.3281
794.4043	397.7058	7	K	11 1138.6062	569.8068
893.4727	447.2400	8	V	10 1010.5113	505.7593
994.5204	497.7638	9	T	9 911.4429	456.2251
1081.5524	541.2798	10	S	8 810.3952	405.7012
1138.5739	569.7906	11	G	7 723.3632	362.1852
1225.6059	613.3066	12	S	6 666.3417	333.6745
1326.6536	663.8304	13	T	5 579.3097	290.1585
1427.7013	714.3543	14	T	4 478.2620	239.6346

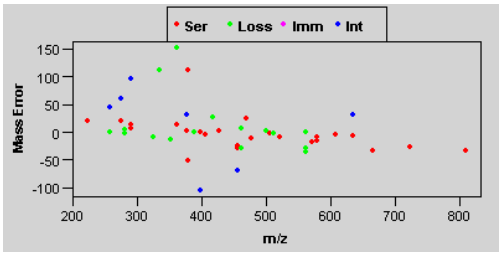
1528.7489	764.8781	15	**T**	3	377.2143	189.1108
1629.7966	815.4019	16	**T**	2	276.1666	138.5870
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEKVTSGSTTTTR^{+3}



Max Intensity: **50.5**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **69.2%** Matched Series Intensity: **48.2%**



Sequence SYEKVTSGSTTTTR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H105 N18 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1518.6303	1517.7442	759.8189	759.3757	506.8817	506.5862

[–] **Peak Matches**

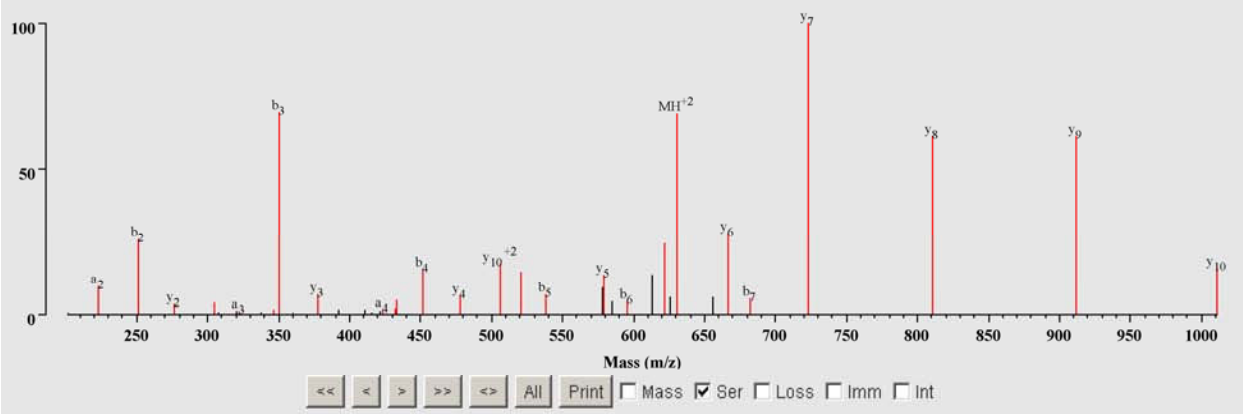
223.1122	258.1561	276.1721	281.1545	290.1623	316.1637	325.1584	334.1772	344.1791	353.1750
a_2(20)	EK(44) y_2-H_2O(0.13)	TTT-28(60) y_2(20)	y_5-H_2O^{+2}(4.7) a_5-H_2O^{+2}(-2.5)	STT(95) y_5^{+2}(13) a_5^{+2}(6.3)		y_6-NH_3^{+2}(-8.6)	a_3-H_2O(112)		y_7-H_2O^{+2}(-14)
355.1875	**362.1898**	**377.2150**	**380.1873**	**389.1929**	**398.1981**	**405.6998**	**408.7094**	**417.7139**	**426.7091**
	b_3-H_2O(152) y_7^{+2}(13)	TTTT-28(32) y_3(1.8)	b_3(111) y_{11}^{+3}(-52)	b_7-H_2O^{+2}(1.00)	b_7^{+2}(0.77) KVTS-H_2O(-105)	y_8^{+2}(-3.5)		b_8-H_2O^{+2}(26)	b_8^{+2}(1.3)
456.2138	**461.2220**	**470.2364**	**478.2572**	**488.5709**	**494.5779**	**500.5834**	**502.7369**	**506.5848**	**511.7417**
y_9^{+2}(-25) a_9^{+2}(-29) KVTSG-NH_3(-69)	b_9-H_2O^{+2}(5.9) y_4-NH_3(-29)	b_9^{+2}(25)	y_4(-10)			MH-H_2O^{+3}(1.3)		MH^{+3}(-2.9)	b_{10}-H_2O^{+2}(-2.7)
520.7443	**553.2599**	**562.2667**	**571.2625**	**579.3043**	**607.3065**	**634.3240**	**666.3191**	**723.3437**	**810.3673**
b_{10}^{+2}(-7.8)		b_{11}-H_2O^{+2}(-0.42) y_5-NH_3(-29) a_5-NH_3(-36)	b_{11}^{+2}(-17)	y_5(-9.3) a_5(-16)	b_5(-3.5)	VTSGSTT(31) y_{12}^{+2}(-6.4)	y_6(-34)	y_7(-27)	y_8(-34)

[–] **Main Sequence Ions**

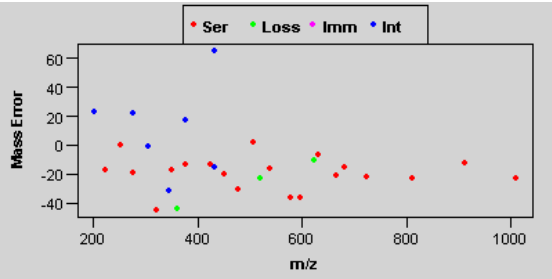
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1430.7122	715.8597
380.1452	---	3	E 12	1267.6488	634.3281
508.2402	254.6237	4	K 11	1138.6062	569.8068
607.3086	304.1579	5	V 10	1010.5113	505.7593
708.3563	354.6818	6	T 9	911.4429	456.2251
795.3883	398.1978	7	S 8	810.3952	405.7012
852.4098	426.7085	8	G 7	723.3632	362.1852
939.4418	470.2245	9	S 6	666.3417	333.6745
1040.4895	520.7484	10	T 5	579.3097	290.1585
1141.5372	571.2722	11	T 4	478.2620	239.6346
1242.5848	621.7961	12	T 3	377.2143	189.1108
1343.6325	672.3199	13	T 2	276.1666	138.5870
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVTSGSTTTTR^{+2}



Max Intensity: **48.8**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **92.5%** Matched Series Intensity: **91.1%**



Sequence SYVTSGSTTTTR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H86 N15 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1261.3389	1260.6066	631.1732	630.8070

[–] **Peak Matches**

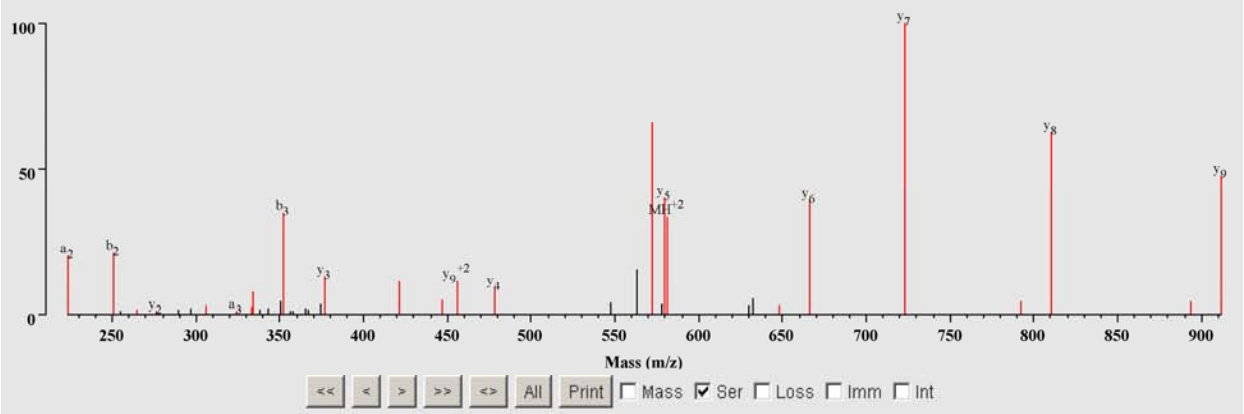
201.1280	223.1040	251.1027	276.1614	305.1453	308.1270	320.1245	322.1616	338.1115	346.1649
VT(23)	a_2(-17)	b_2(0.27)	TTT-28(22) y_2(-19)	TSGS-28(-0.85) SGST-28(-0.85)			a_3(-45)		YVT-H_2O(-32)
350.1651	**360.1720**	**377.2093**	**392.1660**	**411.1302**	**415.1877**	**421.1569**	**423.2185**	**432.2368**	**433.2015**
b_3(-17)	y_3-NH_3(-44)	TTTT-28(17) y_3(-13)					YVTS-28(-13) a_4(-13)	VTSGS(65)	b_4-H_2O(-15) YVTS-H_2O(-15)
451.2097	**478.2471**	**505.7602**	**520.2284**	**538.2419**	**577.7455**	**579.2890**	**585.3005**	**595.2509**	**612.7926**
YVTS(-20) b_4(-20)	y_4(-31)	y_{10}^{+2}(1.8)	b_5-H_2O(-23)	b_5(-16)		y_5(-36)		YVTSGS(-36) b_6(-36)	
621.7947	**625.2998**	**630.8030**	**656.3263**	**666.3279**	**682.2939**	**723.3476**	**810.3762**	**911.4317**	**1010.4876**
MH-H_2O^{+2}(-11)		MH^{+2}(-6.3)		y_6(-21)	b_7(-15)	y_7(-22)	y_8(-23)	y_9(-12)	y_{10}(-23)

[–] **Main Sequence Ions**

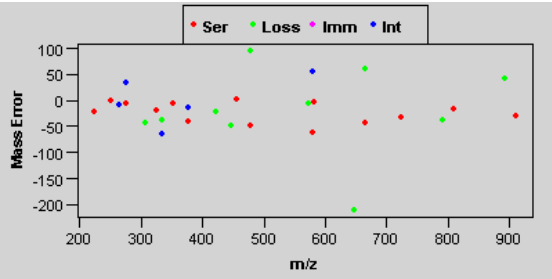
b			y	y^{+2}
---	1	S 12	---	---
251.1026	2	Y 11	1173.5746	587.2909
350.1710	3	V 10	1010.5113	505.7593
451.2187	4	T 9	911.4429	456.2251
538.2508	5	S 8	810.3952	405.7012
595.2722	6	G 7	723.3632	362.1852
682.3042	7	S 6	666.3417	333.6745
783.3519	8	T 5	579.3097	290.1585
884.3996	9	T 4	478.2620	239.6346
985.4473	10	T 3	377.2143	189.1108
1086.4950	11	T 2	276.1666	138.5870
---	12	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTSGSTTTTR^{+2}



Max Intensity: **7.64**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **90.9%** Matched Series Intensity: **89.1%**



Sequence SYTSGSTTTTR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C46 H77 N14 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1162.2055	1161.5382	581.6065	581.2727

[–] **Peak Matches**

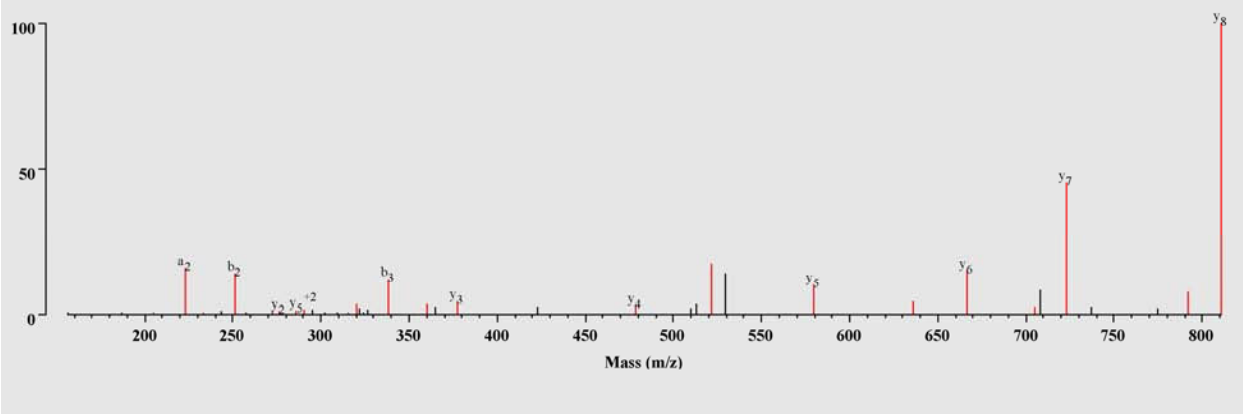
223.1026	251.1027	255.0629	265.1158	276.1646	289.1006	297.1186	306.1315	324.1490	333.1193
a_2(-23)	b_2(0.27)		YT(-9.4)	TTT-28(33) y_2(-7.4)			a_3-H_2O(-44)	YTS-28(-20) a_3(-20)	TSGS(-64) SGST(-64)
334.1272	**338.1080**	**343.1162**	**350.1368**	**352.1481**	**356.1148**	**358.1665**	**365.1125**	**367.1591**	**374.2133**
YTS-H_2O(-38) b_3-H_2O(-38)				YTS(-6.3) b_3(-6.3)					
377.1983	**421.1628**	**447.1976**	**456.2259**	**478.2388**	**547.2076**	**563.2610**	**572.2642**	**578.2507**	**579.2731**
TTTT-28(-13) y_3(-42)	b_4-H_2O(-21)	y_9-H_2O^{+2}(-50)	y_9^{+2}(1.8)	YTSGS-H_2O(95) b_5-H_2O(95) y_4(-48)			MH-H_2O^{+2}(-5.7)		YTSGST-H_2O(56) y_5(-63)
581.2704	**630.2991**	**632.2825**	**648.1944**	**666.3132**	**723.3389**	**792.3555**	**810.3809**	**893.4701**	**911.4146**
MH^{+2}(-4.0)			y_6-H_2O(-211)	b_7-H_2O(60) y_6(-43)	y_7(-34)	y_8-H_2O(-37)	y_8(-18)	y_9-H_2O(42)	y_9(-31)

[–] **Main Sequence Ions**

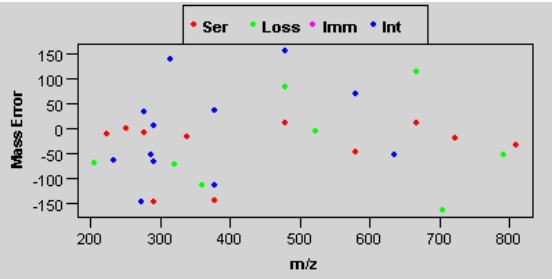
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1074.5062	537.7567
352.1503	3	T 9	911.4429	456.2251
439.1823	4	S 8	810.3952	405.7012
496.2038	5	G 7	723.3632	362.1852
583.2358	6	S 6	666.3417	333.6745
684.2835	7	T 5	579.3097	290.1585
785.3312	8	T 4	478.2620	239.6346
886.3789	9	T 3	377.2143	189.1108
987.4265	10	T 2	276.1666	138.5870
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSGSTTTTR^{+2}



Max Intensity: **5.46**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **84.4%** Matched Series Intensity: **83.7%**



Sequence SYSGSTTTTR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C42 H70 N13 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1061.0998	1060.4905	531.0536	530.7489

[–] **Peak Matches**

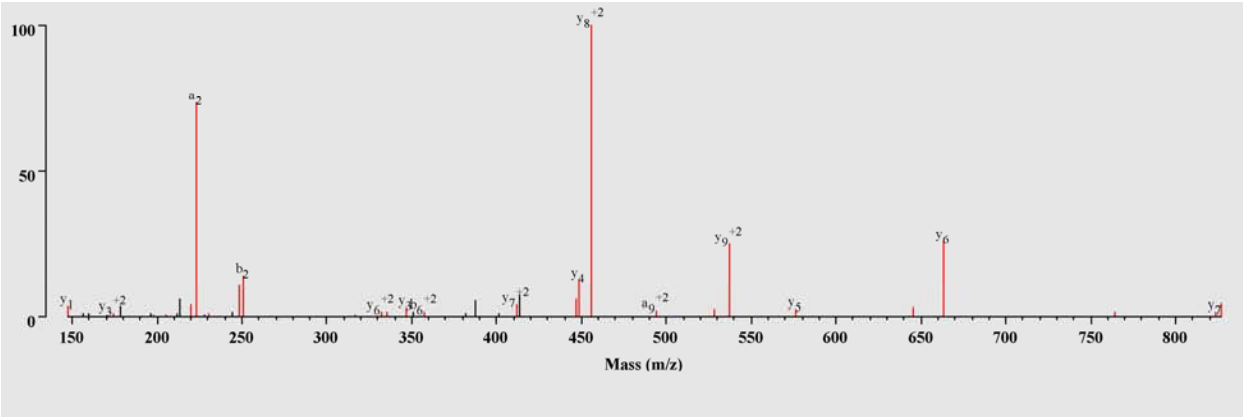
156.0655	187.0679	205.0830	223.1054	233.0769	243.0746	251.1027	257.1654	272.0838	276.1646
		a_2-H_2O(-69)	YS-28(-10) a_2(-10)	b_2-H_2O(-65) YS-H_2O(-65)		YS(0.27) b_2(0.27)		STT-H_2O(-148)	TTT-28(33) y_2(-7.4)
286.1246	**290.1154**	**295.0859**	**302.0859**	**309.0648**	**315.1733**	**320.1008**	**322.1429**	**324.1302**	**326.1065**
TTT-H_2O(-53)	YSG-H_2O(6.4) STT(-66) y_5^{+2}(-148)				SGST-H_2O(138)	b_3-H_2O(-73)			
338.1289	**360.1468**	**365.1252**	**377.1597**	**423.1523**	**478.2678**	**510.1697**	**512.7298**	**521.7407**	**529.2197**
b_3(-17)	y_3-NH_3(-114)		b_4-H_2O(37) YSGS-H_2O(37) TTTT-28(-115) y_3(-145)		YSGST-H_2O(156) y_9-H_2O^{+2}(84) y_4(12)			MH-H_2O^{+2}(-5.6)	
579.2822	**636.2491**	**666.3499**	**705.2369**	**708.2791**	**723.3490**	**737.2869**	**774.3496**	**792.3422**	**810.3683**
YSGSTT-H_2O(71) y_5(-47)	SGSTTTT(-54)	b_7-H_2O(115) y_6(12)	y_7-H_2O(-164)		y_7(-20)			y_8-H_2O(-54)	y_8(-33)

[–] **Main Sequence Ions**

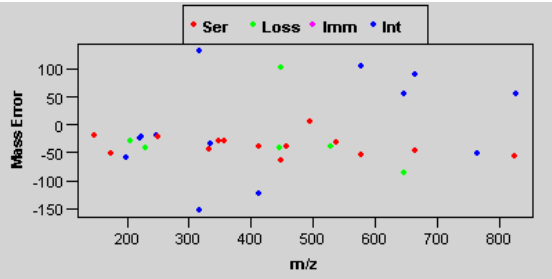
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	973.4585	487.2329
338.1347	3	S	810.3952	405.7012
395.1561	4	G	723.3632	362.1852
482.1882	5	S	666.3417	333.6745
583.2358	6	T	579.3097	290.1585
684.2835	7	T	478.2620	239.6346
785.3312	8	T	377.2143	189.1108
886.3789	9	T	276.1666	138.5870
---	10	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)SKTVTK^{+3}



Max Intensity: **310**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **90.4%** Matched Series Intensity: **91.0%**



Sequence SYSC(Carbamidomethyl)SKTVTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C48 H82 N13 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1161.1618	1160.5616	581.0846	580.7844	387.7256	387.5254

[–] Peak Matches

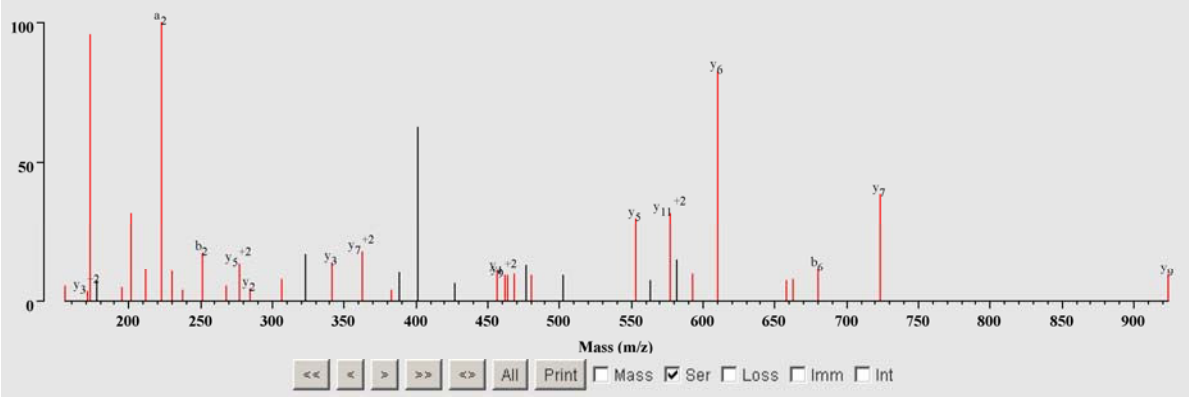
147.1100	156.0967	160.0745	174.1091	178.0826	196.0951	198.1120	205.0911	212.0670	213.0300
y_1(-19)			y_3^{+2}(-52)			SK-H_2O(-59)	a_2-H_2O(-30)		
220.0697	**223.1028**	**228.0634**	**230.1405**	**244.0852**	**248.0653**	**251.0974**	**317.1334**	**332.1913**	**335.0902**
SC(Carbamidomethyl)-28 (-24) C(Carbamidomethyl)S-28 (-24)	a_2(-22) YS-28(-22)		KT(-41) y_2-H_2O(-41)		SC(Carbamidomethyl)(-19) C(Carbamidomethyl)S(-19)	YS(-21) b_2(-21)	SC(Carbamidomethyl)S-H_2O (132) SKT(-153)	y_6^{+2}(-43)	SC(Carbamidomethyl)S(-35)
347.2191	**351.1788**	**357.1398**	**382.1789**	**387.1440**	**401.2111**	**412.2042**	**413.7254**	**446.7129**	**448.2484**
y_3(-28)		b_6^{+2}(-28)				y_7^{+2}(-40) KTVT-H_2O(-124)		y_8-H_2O^{+2}(-42)	b_8-H_2O^{+2}(102) y_4(-63)
455.7189	**493.7367**	**528.2431**	**537.2514**	**576.3409**	**645.3374**	**663.3725**	**764.3220**	**823.3876**	**826.4210**
y_8^{+2}(-39)	a_9^{+2}(5.0)	y_9-H_2O^{+2}(-38)	y_9^{+2}(-32)	C(Carbamidomethyl)SKTV (104) y_5(-53)	SC(Carbamidomethyl)SKTV-H_2O(54) y_6-H_2O(-86)	SC(Carbamidomethyl) SKTV(90) y_6(-47)	SC(Carbamidomethyl) SKTVT(-51)	y_7(-57)	YSC(Carbamidomethyl) SKTV(54)

[–] Main Sequence Ions

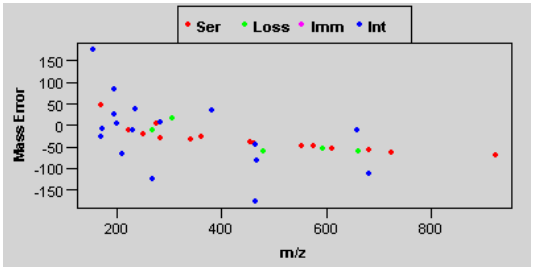
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1073.5296	537.2684
338.1347	---	3	S	8	910.4662	455.7368
498.1653	---	4	C(Carbamidomethyl)	7	823.4342	412.2207
585.1973	---	5	S	6	663.4036	332.2054
713.2923	357.1498	6	K	5	576.3715	288.6894
814.3400	407.6736	7	T	4	448.2766	224.6419
913.4084	457.2078	8	V	3	347.2289	174.1181
1014.4561	507.7317	9	T	2	248.1605	124.5839
---	---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTVTKTVIGPDGHK^{+4}



Max Intensity: **447**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **81.0%** Matched Series Intensity: **80.9%**



Sequence SYTVTKTVIGPDGHK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C71 H116 N19 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1603.8266	1602.8486	802.4170	801.9279	535.2805	534.9544	401.7122	401.4676

[–] **Peak Matches**

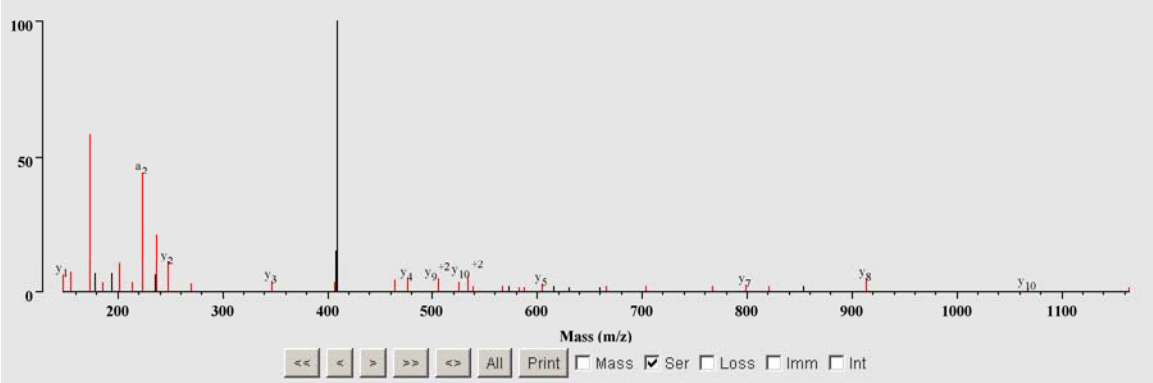
155.1088	171.1084	173.1272	178.0818	195.0929	201.1240	212.1253	223.1055	230.1473	237.1323
GP(176)	y_3^{+2}(48) IG(-26)	VT-28(-7.2) TV-28(-7.2)		PD-H_2O(84) GH(27)	TV(3.1) VT(3.1)	TK-H_2O(-66) KT-H_2O(-66)	a_2(-9.9)	TK(-11) KT(-11)	YT-28(38)
251.0976	**268.1319**	**277.1414**	**284.1629**	**306.1501**	**323.0769**	**341.1824**	**362.1836**	**383.2060**	**388.1645**
b_2(-20)	y_5-H_2O^{+2}(-11) IGP(-126)	y_5^{+2}(4.8)	TVT-H_2O(8.5) y_2(-31)	a_3-H_2O(17)		y_3(-32)	y_7^{+2}(-26)	IGPD(35)	
401.1359	**427.2176**	**456.2022**	**462.2313**	**464.1682**	**468.2426**	**476.7443**	**480.2199**	**502.2312**	**553.2464**
		y_4(-39)	y_9^{+2}(-42)	GPDGH(-44) VIGPD-H_2O(-177)	TVIGP(-83)		b_{14}-H_2O^{+3}(-61)		y_5(-48)
563.2545	**576.7949**	**581.2650**	**592.2521**	**610.2609**	**658.3226**	**662.3108**	**680.3224**	**723.3335**	**923.4308**
	y_{11}^{+2}(-47)		y_6-H_2O(-53)	y_6(-55)	VIGPDGH-H_2O(-12)	b_6-H_2O(-60)	b_6(-57) TKTVIGP-NH_3(-111)	y_7(-62)	y_9(-69)

[–] **Main Sequence Ions**

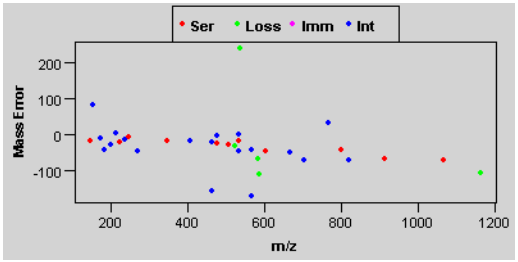
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1515.8166	758.4119
352.1503	---	3	**T**	13	1352.7532	676.8803
451.2187	---	4	**V**	12	1251.7056	626.3564
552.2664	---	5	**T**	11	1152.6371	576.8222
680.3614	340.6843	6	**K**	10	1051.5895	526.2984
781.4090	391.2082	7	**T**	9	923.4945	462.2509
880.4775	440.7424	8	**V**	8	822.4468	411.7271
993.5615	497.2844	9	**I**	7	723.3784	362.1928
1050.5830	525.7951	10	**G**	6	610.2944	305.6508
1147.6358	574.3215	11	**P**	5	553.2729	277.1401
1262.6627	631.8350	12	**D**	4	456.2201	228.6137
1319.6842	660.3457	13	**G**	3	341.1932	171.1002
1456.7431	728.8752	14	**H**	2	284.1717	142.5895
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTVIGPDGHKEVTK^{+4}



Max Intensity: **43.2**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **61.4%** Matched Series Intensity: **59.8%**



Sequence SYTVIGPDGHKEVTK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H116 N19 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1631.8371	1630.8435	816.4223	815.9254	544.6173	544.2860	408.7148	408.4663

[–] **Peak Matches**

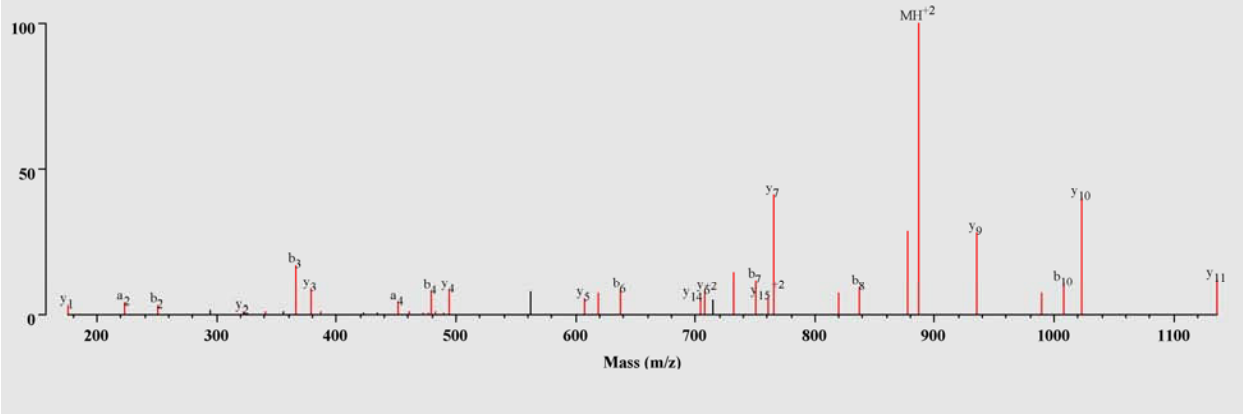
147.1100	155.0944	173.1265	178.0814	185.1570	194.1096	201.1178	213.0881	223.1028	236.1198
y_1(-19)	GP(83)	VT-28(-11) TV-28(-11)		VI-28(-42)		TV(-28) VT(-28) EV-28(-28)	PD(5.2)	a_2(-22)	
237.1199	**248.1592**	**270.0964**	**347.2227**	**407.1606**	**408.1848**	**409.1663**	**464.1784**	**476.2594**	**505.7533**
YT-28(-15)	y_2(-5.2)	GPD(-45) PDG(-45)	y_3(-18)	PDGH(-17)			GPDGH(-22) VIGPD-H_2O(-155)	HKEV-H_2O(-4.6) y_4(-25)	y_9^{+2}(-27)
525.2566	**534.2679**	**538.7397**	**567.2279**	**573.2846**	**582.2678**	**587.2752**	**604.3390**	**615.7834**	**630.7911**
y_{10}-H_2O^{+2}(-30)	GHKEV-NH_3(1.5) y_{10}^{+2}(-18) YTVIG(-46)	MH-NH_3^{+3}(240)	DGHKE(-43) HKEVT-28(-171)		y_{11}-NH_3^{+2}(-66)	y_5-NH_3(-110)	y_5(-45)		
659.3057	**666.2886**	**703.2671**	**767.3942**	**798.4142**	**820.3354**	**854.4126**	**913.4126**	**1067.4723**	**1163.4816**
	DGHKEV(-48)	GPDGHKE-H_2O(-69)	DGHKEVT(34)	y_7(-41)	GPDGHKEV(-72)		y_8(-67)	y_{10}(-71)	y_{11}-NH_3(-106)

[–] **Main Sequence Ions**

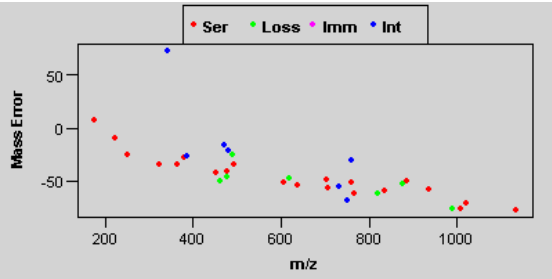
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1543.8115	772.4094
352.1503	---	3	**T**	13	1380.7482	690.8777
451.2187	---	4	**V**	12	1279.7005	640.3539
564.3028	---	5	**I**	11	1180.6321	590.8197
621.3243	---	6	**G**	10	1067.5480	534.2776
718.3770	---	7	**P**	9	1010.5265	505.7669
833.4040	---	8	**D**	8	913.4738	457.2405
890.4254	---	9	**G**	7	798.4468	399.7271
1027.4843	514.2458	10	**H**	6	741.4254	371.2163
1155.5793	578.2933	11	**K**	5	604.3665	302.6869
1284.6219	642.8146	12	**E**	4	476.2715	238.6394
1383.6903	692.3488	13	**V**	3	347.2289	174.1181
1484.7380	742.8726	14	**T**	2	248.1605	124.5839
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDLGTLSGIGTLDGFR^{+2}



Max Intensity: **188**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.0%** Matched Series Intensity: **94.3%**



Sequence: SYDLGTLSGIGTLDGFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H123 N20 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1772.9644	1771.8861	886.9859	886.4467

[–] Peak Matches

175.1202	**223.1055**	**251.0961**	**294.1413**	**322.1760**	**341.2068**	**355.2151**	**366.1168**	**379.1984**	**387.1769**
y_1(7.1)	a_2(-9.9)	YD-28(-26) b_2(-26)		y_2(-35)	GTLS-H_2O(73) TLSG-H_2O(73)		b_3(-35)	y_3(-28)	GTLD(-27) TLDG(-27) DLGT(-27)
423.1354	**434.1640**	**451.1992**	**461.1800**	**472.2689**	**477.1866**	**479.1939**	**482.2503**	**490.2174**	**494.2192**
		a_4(-43)	b_4-H_2O(-50)	IGTLD-28(-16) DLGTL-28(-16) LGTLS(-16) TLSGI(-16)	y_4-NH_3(-47)	b_4(-41)	IGTLD-H_2O(-22) DLGTL-H_2O(-22)	a_5-H_2O(-25)	y_4(-34)
562.2891	**607.2885**	**619.2428**	**637.2481**	**703.8508**	**708.3269**	**714.3010**	**732.3151**	**750.3151**	**761.3593**
	y_5(-52)	b_6-H_2O(-48)	b_6(-54)	y_{14}^{+2}(-49)	y_6(-57)		b_7-H_2O(-56) YDLGTLS-H_2O(-56)	b_7(-69) YDLGTLS(-69)	GIGTLDGF(-31) y_{15}^{+2}(-52)
765.3414	**819.3372**	**837.3485**	**877.3948**	**886.4019**	**935.4403**	**989.4174**	**1007.4275**	**1022.4535**	**1135.5222**
y_7(-62)	b_8-H_2O(-62)	b_8(-60)	MH-H_2O^{+2}(-53)	MH^{+2}(-51)	y_9(-58)	b_{10}-H_2O(-77)	b_{10}(-76)	y_{10}(-71)	y_{11}(-78)

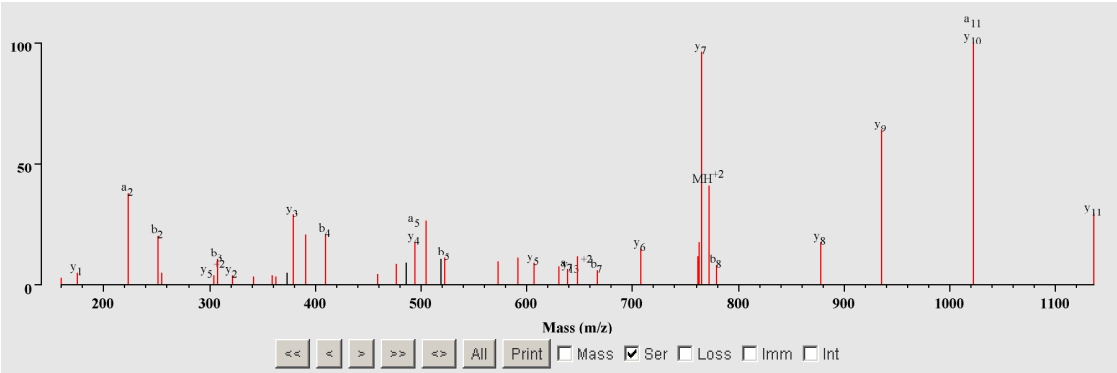
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	17	---	---
251.1026	2	Y	16	1684.8541	842.9307
366.1296	3	D	15	1521.7907	761.3990
479.2136	4	L	14	1406.7638	703.8855
536.2351	5	G	13	1293.6797	647.3435
637.2828	6	T	12	1236.6583	618.8328
750.3668	7	L	11	1135.6106	568.3089
837.3989	8	S	10	1022.5265	511.7669
894.4203	9	G	9	935.4945	468.2509
1007.5044	10	I	8	878.4730	439.7402
1064.5259	11	G	7	765.3890	383.1981
1165.5735	12	T	6	708.3675	354.6874
1278.6576	13	L	5	607.3198	304.1636
1393.6846	14	D	4	494.2358	247.6215
1450.7060	15	G	3	379.2088	190.1081
1597.7744	16	F	2	322.1874	161.5973

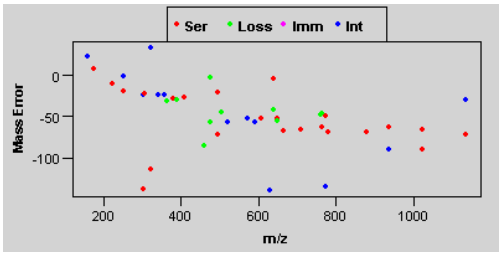
--- 17 **R** 1 175.1190 88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTLSGIGTLDGFR^{+2}



Max Intensity: **128**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **96.7%** Matched Series Intensity: **96.4%**



Sequence SYGTLSGIGTLDGFR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H107 N18 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1544.7148	1543.7751	772.8611	772.3912

[–] **Peak Matches**

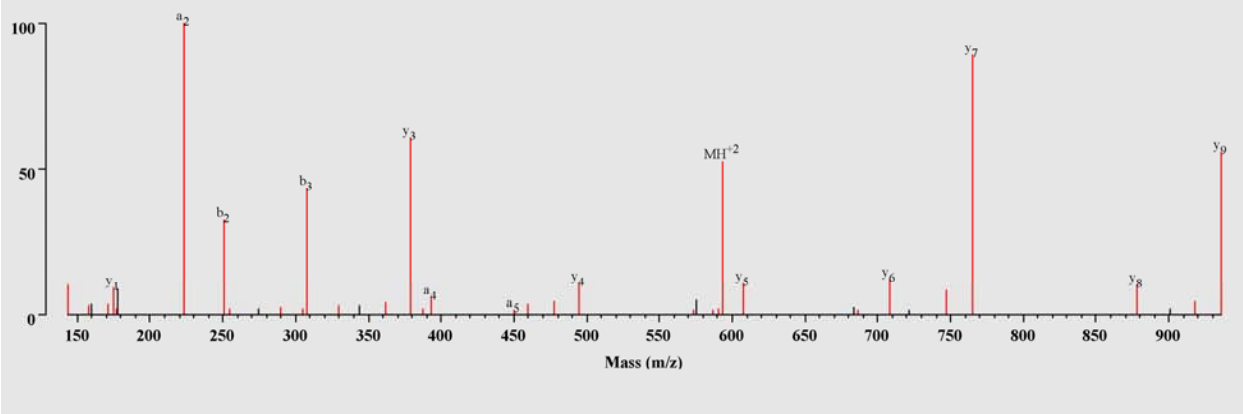
159.0799	175.1202	223.1055	251.0976	254.1495	304.1218	308.1171	322.1505	341.1736	359.1839
GT(22)	y_1(7.1)	a_2(-9.9)	b_2(-20)	GTL-H_2O(-1.6) IGT-H_2O(-1.6)	YGT-H_2O(-24) y_5^{+2}(-137)	b_3(-23)	YGT(33) y_2(-114)	GTLS-H_2O(-24) TLSG-H_2O(-24)	TLDG-28(-24) GTLS(-24) GTLD-28(-24) TLSG(-24)
363.1550	**373.1323**	**379.1984**	**391.1496**	**409.1609**	**459.2067**	**476.2237**	**486.2152**	**494.2255**	**504.2225**
a_4-H_2O(-31)		y_3(-28)	b_4-H_2O(-30)	b_4(-27)	y_9-H_2O^{+2}(-85)	y_4-H_2O(-3.2) a_5-H_2O(-56)		y_4(-21) YGTLS-28(-72) a_5(-72)	YGTLS-H_2O(-45) b_5-H_2O(-45)
518.2632	**522.2262**	**573.2367**	**591.2438**	**607.2885**	**630.2583**	**638.3116**	**647.3091**	**648.2629**	**666.2645**
	b_5(-57) YGTLS(-57)	GTLDGF-H_2O(-52)	b_6-H_2O(-57) GTLDGF(-57)	y_5(-52)	TLSGIGT(-139)	a_7(-4.4) y_{13}-H_2O^{+2}(-42)	y_{13}^{+2}(-53)	b_7-H_2O(-55)	b_7(-67)
708.3218	**761.3465**	**763.3504**	**765.3414**	**772.3528**	**779.3407**	**878.4126**	**935.4355**	**1022.4596**	**1135.5286**
y_6(-65)	GIGTLDGF(-48) b_8-H_2O(-48)	MH-H_2O^{+2}(-47)	y_7(-62)	MH^{+2}(-50) GTLSGIGTL-28(-134)	b_8(-68)	y_8(-69)	y_9(-63) YGTLSGIGTL-28(-90)	y_{10}(-65) a_{11}(-90)	YGTLSGIGTLDG(-30) y_{11}(-72)

[–] **Main Sequence Ions**

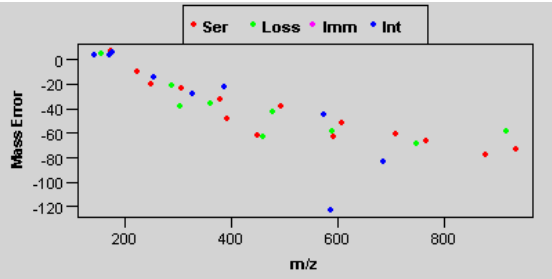
b			y	y^{+2}
---	1	S	15 ---	---
251.1026	2	Y	14 1456.7431	728.8752
308.1241	3	G	13 1293.6797	647.3435
409.1718	4	T	12 1236.6583	618.8328
522.2558	5	L	11 1135.6106	568.3089
609.2879	6	S	10 1022.5265	511.7669
666.3093	7	G	9 935.4945	468.2509
779.3934	8	I	8 878.4730	439.7402
836.4149	9	G	7 765.3890	383.1981
937.4625	10	T	6 708.3675	354.6874
1050.5466	11	L	5 607.3198	304.1636
1165.5735	12	D	4 494.2358	247.6215
1222.5950	13	G	3 379.2088	190.1081
1369.6634	14	F	2 322.1874	161.5973
---	15	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGIGTLDGFR^{+2}



Max Intensity: **216**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **95.1%** Matched Series Intensity: **95.1%**



Sequence SYGIGTLDGFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C53 H81 N14 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1186.3177	1185.5899	593.6625	593.2986

[–] **Peak Matches**

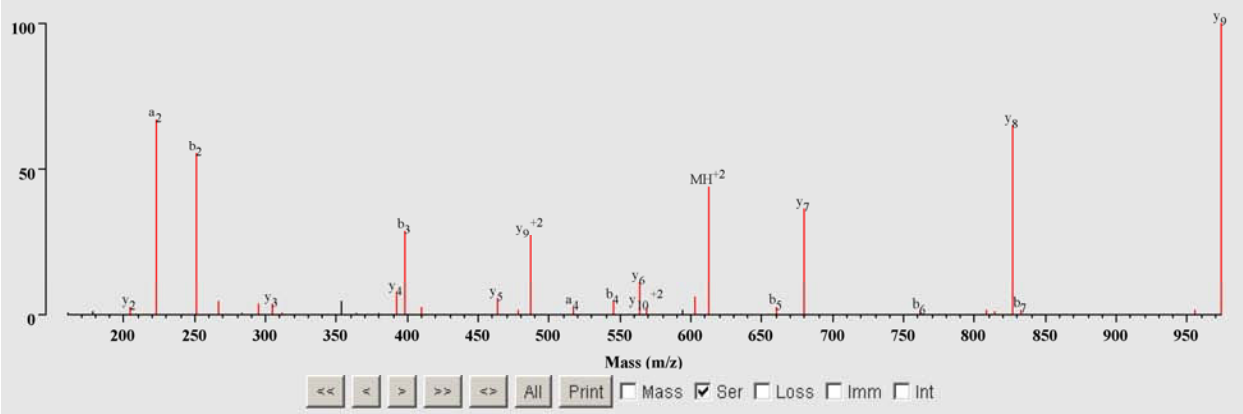
143.1184	158.0931	160.0757	171.1134	175.1202	177.1032	178.0844	223.1055	251.0976	254.1464
GI-28(3.6) IG-28(3.6)	y_1-NH_3(4.4)		GI(3.5) IG(3.5)	y_1(7.1)	GF-28(5.4)		a_2(-9.9)	b_2(-20)	GTL-H_2O(-14) IGT-H_2O(-14)
274.0888	**290.1073**	**305.1491**	**308.1171**	**329.1728**	**344.1639**	**362.1692**	**379.1965**	**387.1788**	**393.1942**
	b_3-H_2O(-21)	y_2-NH_3(-38)	b_3(-23)	GIGT(-28)		y_3-NH_3(-36)	y_3(-33)	GTLD(-22) TLDG(-22)	a_4(-48)
450.2067	**459.2169**	**477.1887**	**494.2171**	**573.2412**	**575.2550**	**586.2472**	**590.2593**	**593.2612**	**607.2885**
a_5(-62)	y_9-H_2O^{+2}(-63)	y_4-NH_3(-43)	y_4(-38)	GTLDGF-H_2O(-45)		GIGTLDG-28(-123)	y_5-NH_3(-58)	MH^{+2}(-63)	y_5(-52)
683.2901	**686.2941**	**708.3243**	**721.3216**	**747.3266**	**765.3388**	**878.4042**	**900.3863**	**917.4302**	**935.4263**
	IGTLDGF-H_2O(-83)	y_6(-61)		y_7-H_2O(-69)	y_7(-66)	y_8(-78)		y_9-H_2O(-59)	y_9(-73)

[–] **Main Sequence Ions**

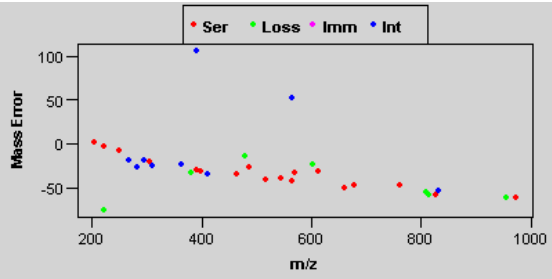
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1098.5578	549.7826
308.1241	3	G 9	935.4945	468.2509
421.2082	4	I 8	878.4730	439.7402
478.2296	5	G 7	765.3890	383.1981
579.2773	6	T 6	708.3675	354.6874
692.3614	7	L 5	607.3198	304.1636
807.3883	8	D 4	494.2358	247.6215
864.4098	9	G 3	379.2088	190.1081
1011.4782	10	F 2	322.1874	161.5973
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFFDTASTGK^{+2}



Max Intensity: **1218**
Num Matched: **31/35 (11.4% unmatched)** Matched Intensity: **98.4%** Matched Series Intensity: **98.3%**



Sequence: SYFFDTASTGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H79 N12 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1224.3203	1223.5579	612.6639	612.2826

[–] Peak Matches

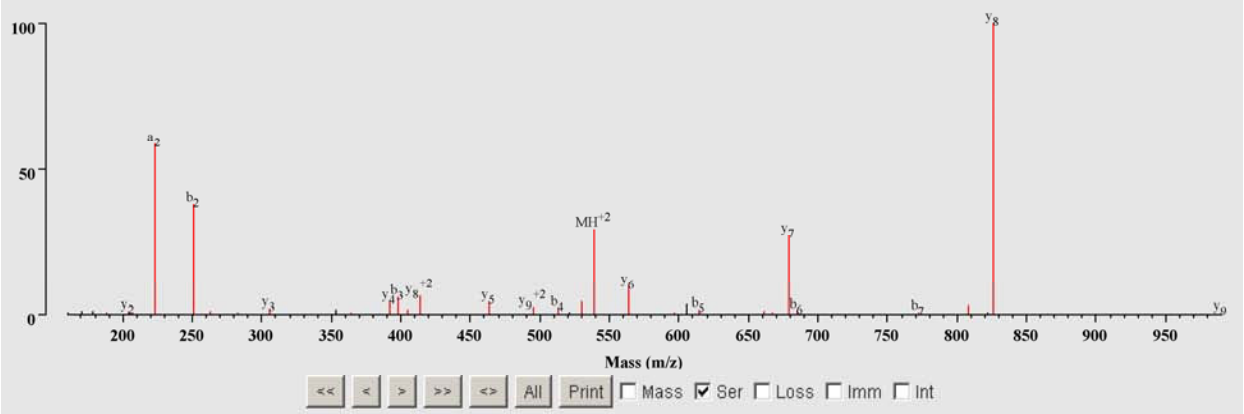
160.0769	178.0869	204.1347	223.1069	251.1006	267.1442	283.1365	295.1386	305.1756	311.1311
		y_2(2.1)	a_2(-3.7) y_5-H_2O^{+2}(-76)	b_2(-8.1)	FF-28(-19)	YF-28(-27)	FF(-19)	y_3(-21)	YF(-25)
353.1385	**364.1421**	**380.1480**	**392.2022**	**398.1582**	**410.1569**	**463.2349**	**478.2229**	**487.2216**	**517.2231**
	FDT(-23)	b_3-H_2O(-33)	FFD-H_2O(106) y_4(-30)	b_3(-32)	FFD(-34)	y_5(-35)	y_9-H_2O^{+2}(-14)	y_9^{+2}(-27)	a_4(-41)
545.2180	**564.2746**	**568.7479**	**594.2574**	**603.2630**	**612.2637**	**660.2325**	**679.2935**	**761.2784**	**808.3386**
YFFD-28(-39) b_4(-39)	FFDTA-H_2O(52) y_6(-43)	y_{10}^{+2}(-33)		MH-H_2O^{+2}(-24)	MH^{+2}(-31)	b_5(-51)	y_7(-47)	b_6(-47)	y_8-H_2O(-56)
814.2930	**826.3463**	**832.3065**	**955.3934**	**973.4025**					
YFFDTAS-H_2O(-58) b_7-H_2O(-58)	y_8(-58)	b_7(-54) YFFDTAS(-54)	y_9-H_2O(-61)	y_9(-62)					

[–] Main Sequence Ions

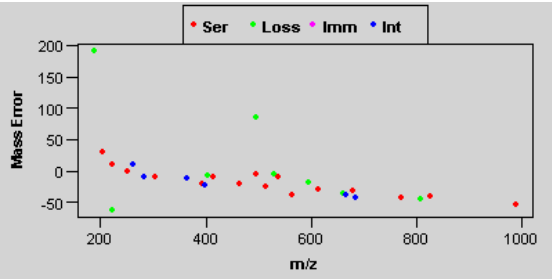
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1136.5259	568.7666
398.1710	3	F	9	973.4625	487.2349
545.2395	4	F	8	826.3941	413.7007
660.2664	5	D	7	679.3257	340.1665
761.3141	6	T	6	564.2988	282.6530
832.3512	7	A	5	463.2511	232.1292
919.3832	8	S	4	392.2140	196.6106
1020.4309	9	T	3	305.1819	153.0946
1077.4524	10	G	2	204.1343	102.5708
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFDTASTGK^{+2}



Max Intensity: **1256**
Num Matched: **28/36 (22.2% unmatched)** Matched Intensity: **96.8%** Matched Series Intensity: **96.6%**



Sequence: SYFDTASTGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C47 H70 N11 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1077.1425	1076.4895	539.0749	538.7484

[–] Peak Matches

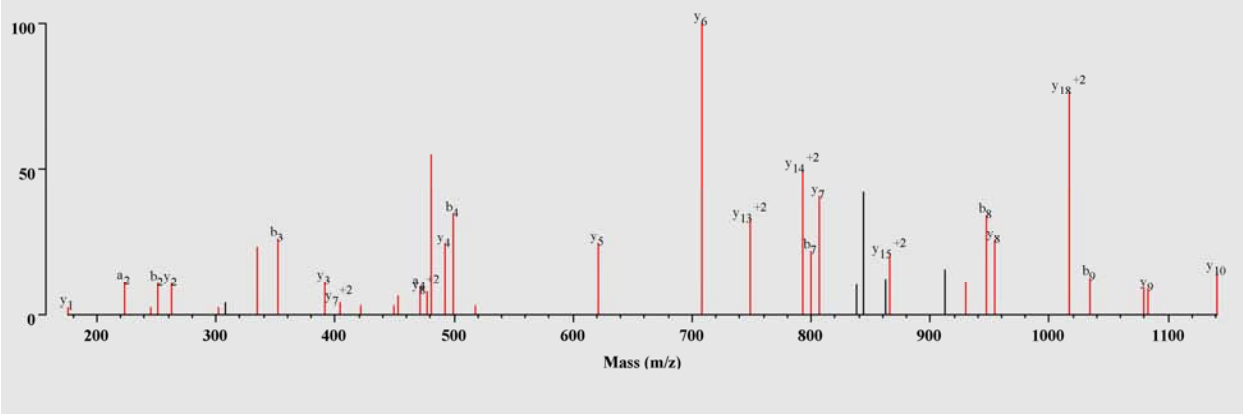
160.0781	170.1220	178.0919	188.1333	204.1401	223.1098	251.1021	263.1055	283.1413	305.1789
			y_4-NH_3^{+2}(191)	y_2(29)	a_2(9.3) y_5-H_2O^{+2}(-63)	b_2(-2.1)	FD(11)	YF-28(-9.9)	y_3(-10.0)
353.1456	**364.1457**	**392.2059**	**398.1619**	**404.6919**	**413.6967**	**463.2410**	**495.2295**	**513.1848**	**520.7307**
	FDT(-13)	y_4(-21)	b_3(-23) YFD-28(-23)	y_8-H_2O^{+2}(-8.7)	y_8^{+2}(-9.7)	y_5(-22)	b_4-H_2O(85) y_9^{+2}(-5.8)	b_4(-26)	
529.7399	**538.7430**	**564.2769**	**596.2246**	**605.8132**	**614.2275**	**661.2907**	**667.2469**	**679.3034**	**685.2532**
MH-H_2O^{+2}(-6.0)	MH^{+2}(-10.0)	y_6(-39)	b_5-H_2O(-18)		b_5(-30)	y_7-H_2O(-37)	b_6-H_2O(-38) YFDTAS-H_2O(-38)	y_7(-33)	b_6(-43) YFDTAS(-43)
772.2818	**808.3467**	**822.1459**	**825.9791**	**826.3599**	**989.4055**				
b_7(-43)	y_8-H_2O(-46)			y_8(-41)	y_9(-53)				

[–] Main Sequence Ions

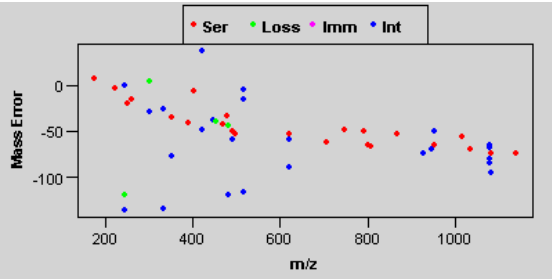
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	989.4575	495.2324
398.1710	3	F 8	826.3941	413.7007
513.1980	4	D 7	679.3257	340.1665
614.2457	5	T 6	564.2988	282.6530
685.2828	6	A 5	463.2511	232.1292
772.3148	7	S 4	392.2140	196.6106
873.3625	8	T 3	305.1819	153.0946
930.3840	9	G 2	204.1343	102.5708
---	10	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTFPGFFSPM(Oxidation)LGEFVSETESR^{+3}



Max Intensity: **513**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **88.1%** Matched Series Intensity: **88.1%**



Sequence: SYTFPGFFSPM(Oxidation)LGEFVSETESR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C116 H164 N25 O37 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2532.6434	2531.1435	1266.8254	1266.0754	844.8861	844.3860

[–] Peak Matches

175.1202	223.1069	245.0951	251.0976	262.1470	302.1413	308.1171	334.1310	352.1380	391.1777
y_1(7.1)	a_2(-3.7)	PM(Oxidation)(-1.4) y_2-NH_3(-120) FP(-136)	b_2(-20)	y_2(-15)	y_5-H_2O^{+2} (3.4) FPG(-29) PGF(-29)		b_3-H_2O(-26) GEF(-26) FVS(-135)	b_3(-35) GFF(-78)	y_3(-41)
404.1933	**421.2026**	**449.2013**	**453.1954**	**471.2042**	**477.7139**	**481.1868**	**492.2163**	**499.1924**	**518.2373**
y_7^{+2}(-6.1)	GFFS-H_2O (37) FPGF-28(-49) PGFF-28(-49)	FPGF(-38) PGFF(-38)	a_4-H_2O(-39)	a_4(-42)	y_8^{+2}(-34)	b_4-H_2O(-44) YTFP-28(-120)	y_4(-51) GEFVS-28(-59)	b_4(-53)	PGFFS-H_2O(-4.8) GFFSP-H_2O(-4.8) VSETE-28(-16) LGEFV-28(-116)
621.2508	**708.2714**	**749.3122**	**792.8245**	**800.3084**	**807.3299**	**838.5462**	**843.8732**	**844.4598**	**862.8428**
y_5(-53) GEFVSE-28(-60) FSPM(Oxidation)LG-28(-90)	y_6(-63)	y_{13}^{+2}(-48)	y_{14}^{+2}(-50)	b_7(-66)	y_7(-67)				
866.3517	**912.3723**	**929.3499**	**947.3634**	**954.3904**	**1016.9113**	**1034.3894**	**1079.4155**	**1083.4145**	**1140.4321**
y_{15}^{+2}(-54)		b_8-H_2O(-75) YTFPGFFS-H_2O(-75)	b_8(-70) YTFPGFFS(-70)	GFFSPM(Oxidation)LGE-28(-51) y_8(-65)	y_{18}^{+2}(-57)	b_9(-70)	PGFFSPM(Oxidation)LGE(-66) LGEFVSETES(-68) FPGFFSPM(Oxidation)LG-H_2O(-80) PM(Oxidation)LGEFVSET-28(-85)	y_9(-75) FSPM(Oxidation)LGEFVS-28(-95)	y_{10}(-74)

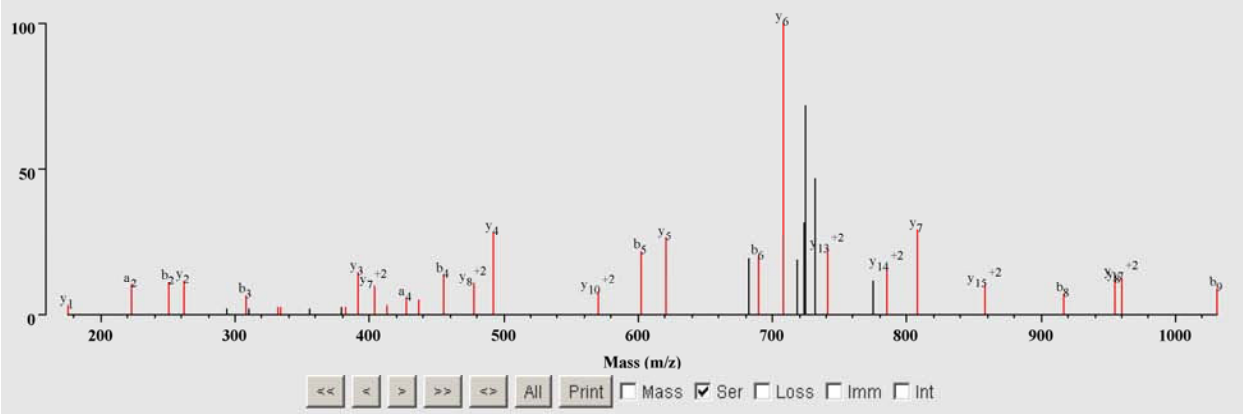
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	22 ---	---
251.1026	2	Y	21 2444.1115	1222.5594
352.1503	3	T	20 2281.0482	1141.0277
499.2187	4	F	19 2180.0005	1090.5039
596.2715	5	P	18 2032.9321	1016.9697
653.2930	6	G	17 1935.8793	968.4433
800.3614	7	F	16 1878.8578	939.9326
947.4298	8	F	15 1731.7894	866.3984
1034.4618	9	S	14 1584.7210	792.8641

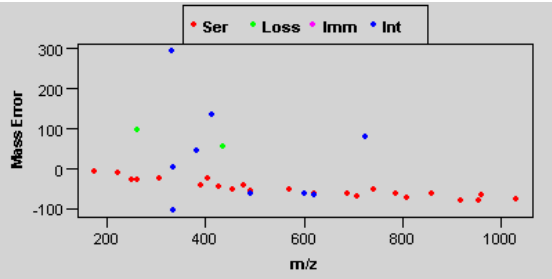
1131.5146	10	**P**	13	1497.6890	749.3481
1278.5500	11	**M(Oxidation)**	12	1400.6362	700.8217
1391.6340	12	**L**	11	1253.6008	627.3040
1448.6555	13	**G**	10	1140.5168	570.7620
1577.6981	14	**E**	9	1083.4953	542.2513
1724.7665	15	**F**	8	954.4527	477.7300
1823.8349	16	**V**	7	807.3843	404.1958
1910.8669	17	**S**	6	708.3159	354.6616
2039.9095	18	**E**	5	621.2838	311.1456
2140.9572	19	**T**	4	492.2413	246.6243
2269.9998	20	**E**	3	391.1936	196.1004
2357.0318	21	**S**	2	262.1510	131.5791
---	22	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGFFSPMLGEFVSETESR^{+3}



Max Intensity: **177**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **68.1%** Matched Series Intensity: **68.1%**



Sequence: SYGFFSPMLGEFVSETESR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C98 H141 N22 O32 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2171.4048	2169.9797	1086.2061	1085.4935	724.4732	723.9981

[–] Peak Matches

175.1177	223.1055	251.0961	262.1439	294.2354	308.1171	310.2203	332.2585	334.1414	355.1616
y_1(-7.2)	a_2(-9.9)	b_2(-26)	a_3-H_2O(96) y_2(-27)		b_3(-23)		FSP(295)	GEF(4.9) FVS(-104)	
379.2352	**382.1933**	**391.1777**	**404.1857**	**413.2407**	**427.1785**	**437.2060**	**455.1699**	**477.7098**	**492.2142**
	FFS(45)	y_3(-41)	y_7^{+2}(-25)	MLGE-H_2O(134)	a_4(-45)	b_4-H_2O(55)	b_4(-50)	y_8^{+2}(-42)	y_4(-55) GEFVS-28(-63)
570.7335	**602.2244**	**621.2461**	**682.2689**	**689.2499**	**708.2664**	**717.9630**	**723.4106**	**723.9648**	**724.3239**
y_{10}^{+2}(-50)	b_5(-61) YGFFS(-61)	y_5(-61) GEFVSE-28(-67)		b_6(-62)	y_6(-70)		FFSPML(79)		
731.7979	**741.3135**	**775.3118**	**784.8190**	**807.3273**	**858.3481**	**917.3127**	**954.3787**	**960.3814**	**1030.3909**
	y_{13}^{+2}(-50)		y_{14}^{+2}(-61)	y_7(-71)	y_{15}^{+2}(-62)	b_8(-80)	y_8(-78)	y_{17}^{+2}(-67)	b_9(-77)

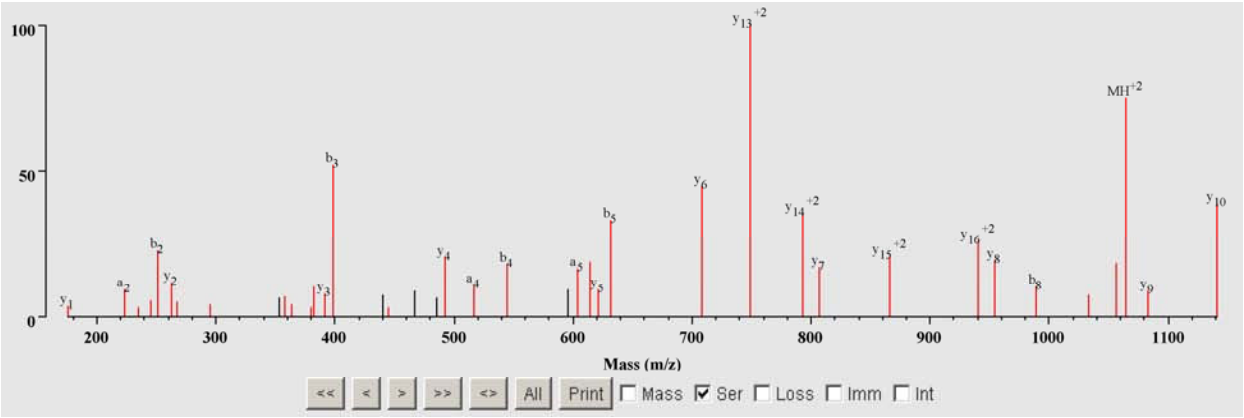
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	2082.9477	1041.9775
308.1241	3	G	1919.8844	960.4458
455.1925	4	F	1862.8629	931.9351
602.2609	5	F	1715.7945	858.4009
689.2930	6	S	1568.7261	784.8667
786.3457	7	P	1481.6941	741.3507
917.3862	8	M	1384.6413	692.8243
1030.4703	9	L	1253.6008	627.3040
1087.4917	10	G	1140.5168	570.7620
1216.5343	11	E	1083.4953	542.2513
1363.6027	12	F	954.4527	477.7300
1462.6712	13	V	807.3843	404.1958
1549.7032	14	S	708.3159	354.6616
1678.7458	15	E	621.2838	311.1456
1779.7935	16	T	492.2413	246.6243
1908.8360	17	E	391.1936	196.1004
1995.8681	18	S	262.1510	131.5791

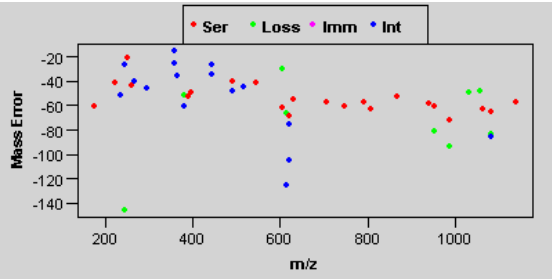
--- 19 **R** 1 175.1190 88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFFSPM(Oxidation)LGEFVSETESR^{+2}



Max Intensity: **35.9**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **94.8%** Matched Series Intensity: **94.0%**



Sequence SYFFSPM(Oxidation)LGEFVSETESR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C96 H138 N21 O32 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2130.1901	2128.9532	1065.5988	1064.9802

[–] Peak Matches

175.1083	223.0985	235.0957	245.0887	251.0974	262.1396	267.1385	295.1306	353.1323	358.1707
y_1(-61)	a_2(-41)	FS(-51)	PM(Oxidation)(-27) y_2-NH_3(-146)	b_2(-21)	y_2(-43)	FF-28(-40)	FF(-46)		EFV-H_2O(-15) PM(Oxidation)L(-25)
364.1525	**380.1409**	**382.1530**	**391.1728**	**398.1517**	**440.1603**	**445.1960**	**467.1682**	**485.1754**	**492.2217**
FFS-H_2O(-36)	b_3-H_2O(-52)	FFS(-61)	y_3(-53)	b_3(-49)		FVSE-H_2O(-27) EFVS-H_2O(-27) SPM(Oxidation)L(-35)			y_4(-40) GEFVS-28(-48)
517.2211	**545.2171**	**596.2144**	**604.2390**	**614.2203**	**621.2415**	**632.2370**	**708.2754**	**749.3025**	**792.8191**
a_4(-45) YFFS-28(-45)	YFFS(-41) b_4(-41)		y_5-NH_3(-30) a_5(-62)	b_5-H_2O(-66) YFFSP-28(-125)	y_5(-68) GEFVSE-28(-75) FSPM(Oxidation)LG-28(-105)	b_5(-55)	y_6(-57)	y_{13}^{+2}(-61)	y_{14}^{+2}(-57)
807.3331	**866.3520**	**939.8785**	**954.3945**	**989.3725**	**1032.9306**	**1055.9240**	**1064.9136**	**1083.4246**	**1140.4513**
y_7(-63)	y_{15}^{+2}(-53)	y_{16}^{+2}(-58)	y_8(-61) a_9-$SOCH_4$(-81)	b_8(-72) y_{17}-$SOCH_4^{+2}$(-94)	MH-$SOCH_4^{+2}$(-49)	MH-H_2O^{+2}(-48)	MH^{+2}(-63)	y_9(-65) a_{10}-$SOCH_4$(-83) FSPM(Oxidation)LGEFVS-28(-86)	y_{10}(-57)

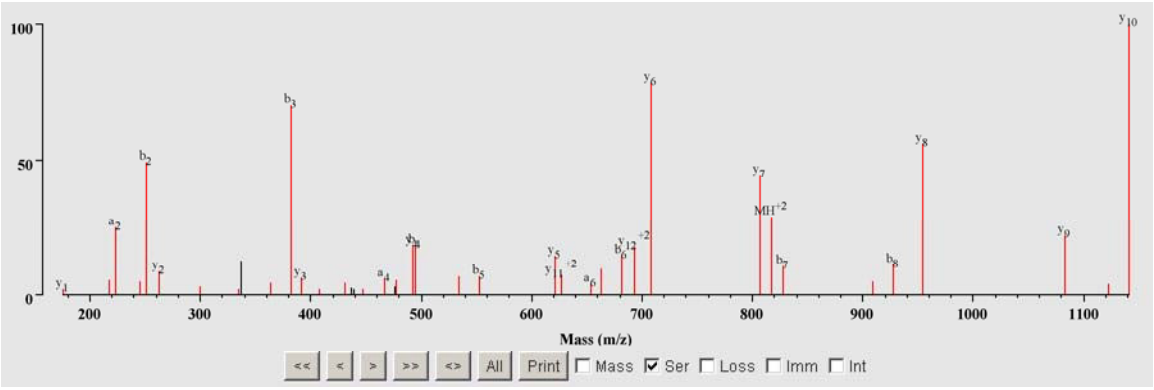
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	18 ---	---
251.1026	2	Y	17 2041.9212	1021.4642
398.1710	3	F	16 1878.8578	939.9326
545.2395	4	F	15 1731.7894	866.3984
632.2715	5	S	14 1584.7210	792.8641
729.3243	6	P	13 1497.6890	749.3481
876.3597	7	M(Oxidation)	12 1400.6362	700.8217
989.4437	8	L	11 1253.6008	627.3040
1046.4652	9	G	10 1140.5168	570.7620
1175.5078	10	E	9 1083.4953	542.2513
1322.5762	11	F	8 954.4527	477.7300
1421.6446	12	V	7 807.3843	404.1958
1508.6766	13	S	6 708.3159	354.6616
1637.7192	14	E	5 621.2838	311.1456
1738.7669	15	T	4 492.2413	246.6243

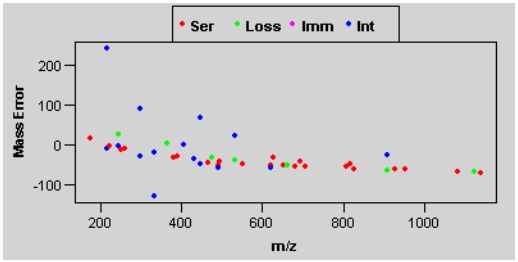
1867.8095	16	**E**	3	391.1936	196.1004
1954.8415	17	**S**	2	262.1510	131.5791
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMLGEFVSETESR^{+2}



Max Intensity: **1087**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **97.1%** Matched Series Intensity: **96.9%**



Sequence: SYMLGEFVSETESR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C70 H108 N17 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1635.8007	1634.7367	818.4041	817.8720

[–] **Peak Matches**

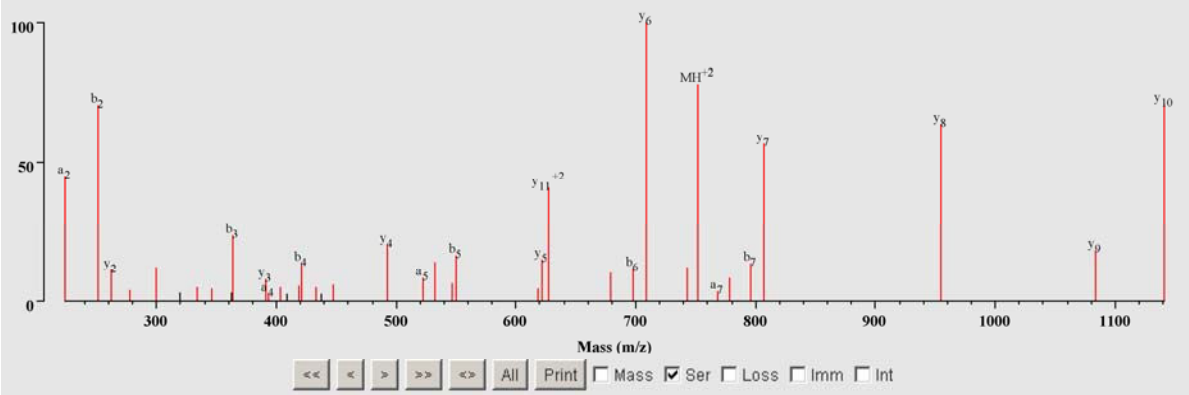
175.1214	217.1343	223.1069	245.1306	251.0991	262.1485	300.1460	334.1327	337.1199	364.1331
y_1(14)	SE(241) ES(241) ML-28(-12)	a_2(-3.7)	y_2-NH_3(25) ML(-5.0)	b_2(-14)	y_2(-9.5)	SET-H_2O(90) TES-H_2O(90) LGE(-31)	GEF(-21) FVS(-130)		b_3-H_2O(1.5)
382.1304	**391.1814**	**408.1948**	**431.1798**	**436.1915**	**439.1473**	**447.2018**	**467.2111**	**476.2258**	**477.2011**
b_3(-33)	y_3(-31)	YML(-0.87)	MLGE(-37)			SETE(66) ETES(66) LGEF(-49)	a_4(-45)		b_4-H_2O(-33)
492.2163	**495.2064**	**534.2167**	**552.2208**	**621.2508**	**627.2825**	**653.2625**	**663.2463**	**681.2533**	**692.7949**
y_4(-51) GEFVS-28(-59)	b_4(-42)	SETES(23) b_5-H_2O(-40)	b_5(-50)	y_5(-53) GEFVSE-28(-60)	y_{11}^{+2}(-34)	a_6(-52)	b_6-H_2O(-52)	b_6(-56)	y_{12}^{+2}(-42)
708.2765	**807.3380**	**817.8318**	**828.3088**	**909.3591**	**927.3719**	**954.3933**	**1083.4207**	**1122.4313**	**1140.4353**
y_6(-56)	y_7(-57)	MH^{+2}(-49)	b_7(-61)	EFVSETES(-27) YMLGEFVS-H_2O(-64) b_8-H_2O(-64)	YMLGEFVS(-61) b_8(-61)	y_8(-62)	y_9(-69)	y_{10}-H_2O(-67)	y_{10}(-71)

[–] **Main Sequence Ions**

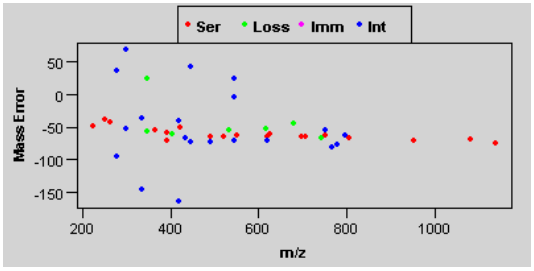
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1547.7046	774.3560
382.1431	3	M	12 1384.6413	692.8243
495.2272	4	L	11 1253.6008	627.3040
552.2486	5	G	10 1140.5168	570.7620
681.2912	6	E	9 1083.4953	542.2513
828.3597	7	F	8 954.4527	477.7300
927.4281	8	V	7 807.3843	404.1958
1014.4601	9	S	6 708.3159	354.6616
1143.5027	10	E	5 621.2838	311.1456
1244.5504	11	T	4 492.2413	246.6243
1373.5930	12	E	3 391.1936	196.1004
1460.6250	13	S	2 262.1510	131.5791
---	14	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLGEFVSETESR^{+2}



Max Intensity: **35.2**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **98.2%** Matched Series Intensity: **97.9%**



Sequence SYLGEFVSETESR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C65 H99 N16 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1504.6029	1503.6962	752.8052	752.3517

[–] **Peak Matches**

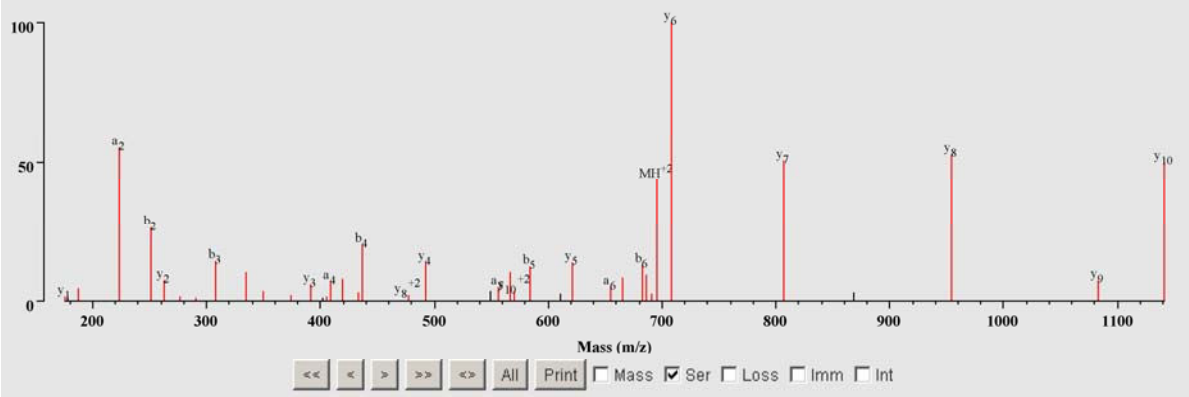
223.0971	251.0929	262.1396	277.1282	300.1397	319.1489	334.1277	346.1566	362.1525	364.1670
a_2(-48)	b_2(-39)	y_2(-43)	EF(36) YL(-96)	SET-H_2O(69) TES-H_2O(69) LGE(-52)		GEF(-36) FVS(-145) YLG(-145)	y_6-NH_3^{+2}(24) b_3-H_2O(-56)		b_3(-54)
391.1710	**393.1857**	**403.1735**	**409.1873**	**419.1600**	**421.1872**	**433.1793**	**437.1594**	**447.1911**	**492.2091**
y_3(-58)	a_4(-70)	b_4-H_2O(-60)		SETE-28(-41) ETES-28(-41) LGEF-28(-164)	b_4(-50)	GEFV(-67)		SETE(42) ETES(42) LGEF(-73)	y_4(-65) GEFVS-28(-73)
522.2222	**532.2114**	**546.2540**	**550.2161**	**618.2658**	**621.2438**	**627.2663**	**679.2789**	**697.2741**	**708.2703**
a_5(-64)	b_5-H_2O(-54)	VSETE(25) FVSET-H_2O(-3.4) LGEFV(-70)	b_5(-63)	y_{11}-H_2O^{+2}(-53)	y_5(-64) GEFVSE-28(-71)	y_{11}^{+2}(-60)	b_6-H_2O(-44)	b_6(-65)	y_6(-64)
743.2967	**751.8771**	**752.3054**	**768.3304**	**778.3179**	**796.3378**	**807.3304**	**954.3858**	**1083.4214**	**1140.4321**
MH-H_2O^{+2}(-67)		FVSETES-28(-54) MH^{+2}(-62)	a_7(-81) YLGEFVS-28(-81)	b_7-H_2O(-76) YLGEFVS-H_2O(-76)	b_7(-63) YLGEFVS(-63)	y_7(-67)	y_8(-70)	y_9(-68)	y_{10}(-74)

[–] **Main Sequence Ions**

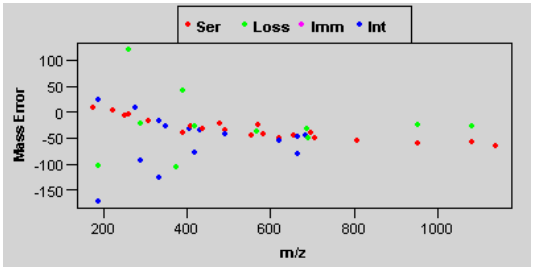
b			y	y^{+2}
---	1	S 13	---	---
251.1026	2	Y 12	1416.6642	708.8357
364.1867	3	L 11	1253.6008	627.3040
421.2082	4	G 10	1140.5168	570.7620
550.2508	5	E 9	1083.4953	542.2513
697.3192	6	F 8	954.4527	477.7300
796.3876	7	V 7	807.3843	404.1958
883.4196	8	S 6	708.3159	354.6616
1012.4622	9	E 5	621.2838	311.1456
1113.5099	10	T 4	492.2413	246.6243
1242.5525	11	E 3	391.1936	196.1004
1329.5845	12	S 2	262.1510	131.5791
---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGEFVSETESR^{+2}



Max Intensity: **944**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **98.0%** Matched Series Intensity: **97.8%**



Sequence SYGEFVSETESR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C59 H88 N15 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1391.4425	1390.6121	696.2249	695.8097

[–] Peak Matches

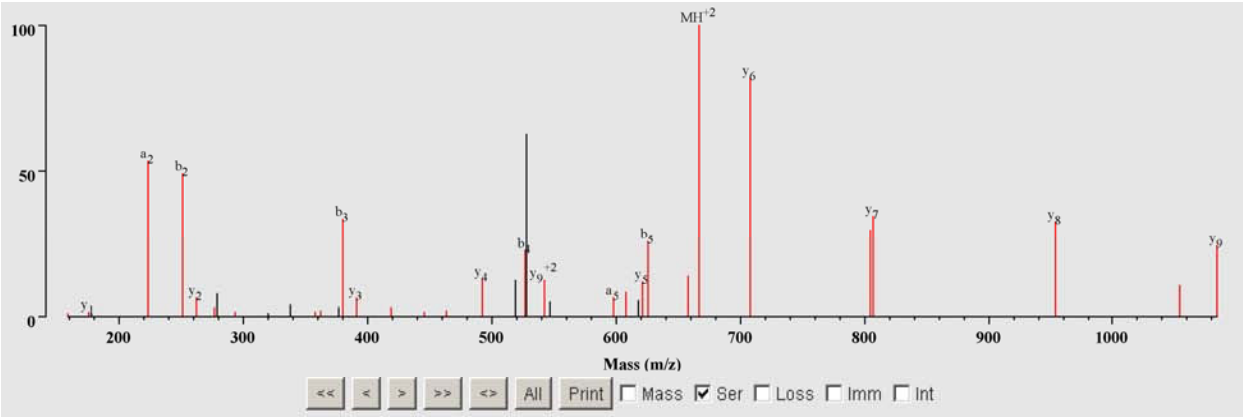
175.1202	178.0881	187.0756	223.1084	251.1006	262.1501	277.1209	290.1073	308.1187	334.1345
y_1(7.1)		GE(23) y_3-H_2O^{+2}(-104) VS(-172)	a_2(3.1)	b_2(-8.1)	a_3-H_2O(120) y_2(-3.4)	EF(9.4)	b_3-H_2O(-21) SET-28(-94) TES-28(-94)	b_3(-18)	GEF(-16) FVS(-125)
350.1253	**374.1274**	**391.1777**	**402.1164**	**405.2004**	**409.1609**	**419.1445**	**433.1924**	**437.1526**	**477.7201**
YGE(-27)	y_3-NH_3(-106)	a_4-H_2O(42) y_3(-41)		GEFV-28(-32)	a_4(-27)	b_4-H_2O(-28) SETE-28(-78) ETES-28(-78)	GEFV(-36)	b_4(-32)	y_8^{+2}(-21)
492.2247	**549.1783**	**556.2153**	**566.2028**	**570.7470**	**584.2097**	**611.2712**	**621.2531**	**655.2789**	**665.2609**
y_4(-34) GEFVS-28(-42)		a_5(-45)	b_5-H_2O(-38)	y_{10}^{+2}(-26)	b_5(-43)		y_5(-49) GEFVSE-28(-56)	YGEFVS-28(-45) a_6(-45)	b_6-H_2O(-48) YGEFVS-H_2O(-48) FVSETE-28(-80) EFVSET-28(-80)
683.2728	**686.7826**	**690.2714**	**695.7821**	**708.2815**	**807.3407**	**868.3946**	**954.3962**	**1083.4332**	**1140.4417**
b_6(-45) YGEFVS(-45)	MH-H_2O^{+2}(-32)	y_6-H_2O(-49)	MH^{+2}(-40)	y_6(-49)	y_7(-54)		a_9-H_2O(-25) y_8(-59)	a_{10}-H_2O(-27) y_9(-57)	y_{10}(-66)

[–] Main Sequence Ions

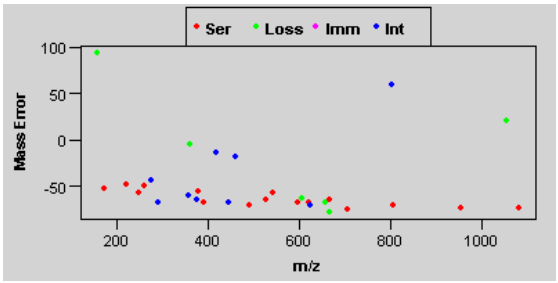
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1303.5801	652.2937
308.1241	3	G	1140.5168	570.7620
437.1667	4	E	1083.4953	542.2513
584.2351	5	F	954.4527	477.7300
683.3035	6	V	807.3843	404.1958
770.3355	7	S	708.3159	354.6616
899.3781	8	E	621.2838	311.1456
1000.4258	9	T	492.2413	246.6243
1129.4684	10	E	391.1936	196.1004
1216.5004	11	S	262.1510	131.5791
---	12	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEFVSETESR^{+2}



Max Intensity: **220**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **84.6%** Matched Series Intensity: **81.6%**



Sequence: SYEFVSETESR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H85 N14 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1334.3902	1333.5907	667.6988	667.2990

[–] Peak Matches

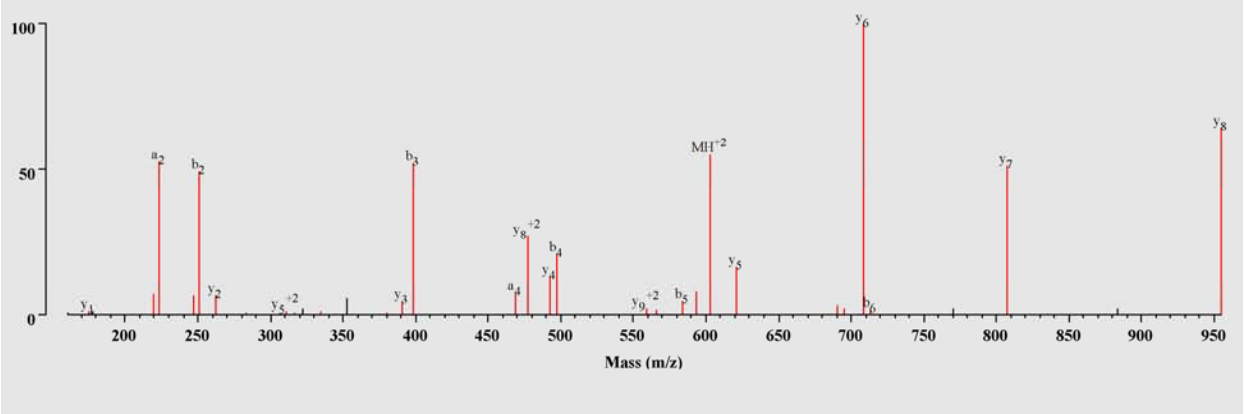
158.1073	**175.1096**	**178.0814**	**223.0971**	**251.0884**	**262.1381**	**277.1061**	**279.1042**	**293.0937**	**320.1116**
y_1-NH_3(94)	y_1(-53)		a_2(-48)	b_2(-57)	y_2(-49)	EF(-44)		YE(-67)	
338.1148	**358.1546**	**362.1327**	**376.1621**	**377.1815**	**380.1243**	**391.1672**	**419.1717**	**445.1780**	**463.2104**
	EFV-H_2O(-60)	b_3-H_2O(-5.4)	EFV(-65)		b_3(-55)	y_3(-67)	SETE-28(-13) ETES-28(-13)	EFVS-H_2O(-68) FVSE-H_2O(-68)	EFVS(-18) FVSE(-18)
492.2070	**518.7418**	**527.1800**	**527.7451**	**542.2204**	**546.7142**	**598.2473**	**608.2329**	**618.3011**	**621.2415**
y_4(-70)		b_4(-64)		y_9^{+2}(-57)		YEFVS-28(-67) a_5(-67)	YEFVS-H_2O(-63) b_5-H_2O(-63)		y_5(-68)
626.2380	**658.2491**	**666.7699**	**667.2563**	**708.2628**	**804.3887**	**807.3277**	**954.3828**	**1054.4576**	**1083.4152**
b_5(-70) YEFVS(-70)	MH-H_2O^{+2}(-68)		MH^{+2}(-64) a_6-H_2O(-78)	y_6(-75)	EFVSETE-H_2O(59)	y_7(-70)	y_8(-73)	YEFVSETES-H_2O(20) b_9-H_2O(20)	y_9(-74)

[–] Main Sequence Ions

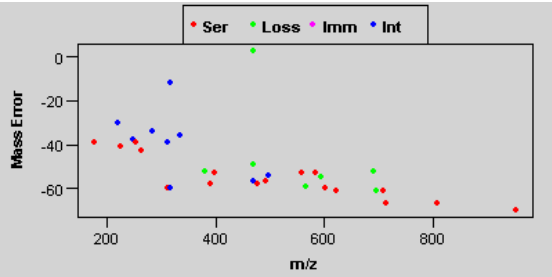
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1246.5586	623.7829
380.1452	3	E 9	1083.4953	542.2513
527.2136	4	F 8	954.4527	477.7300
626.2821	5	V 7	807.3843	404.1958
713.3141	6	S 6	708.3159	354.6616
842.3567	7	E 5	621.2838	311.1456
943.4044	8	T 4	492.2413	246.6243
1072.4469	9	E 3	391.1936	196.1004
1159.4790	10	S 2	262.1510	131.5791
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFVSETESR^{+2}



Max Intensity: **773**
Num Matched: **30/36 (16.7% unmatched)** Matched Intensity: **97.6%** Matched Series Intensity: **97.5%**



Sequence: SYFVSETESR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H78 N13 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1205.2740	1204.5481	603.1407	602.7777

[–] **Peak Matches**

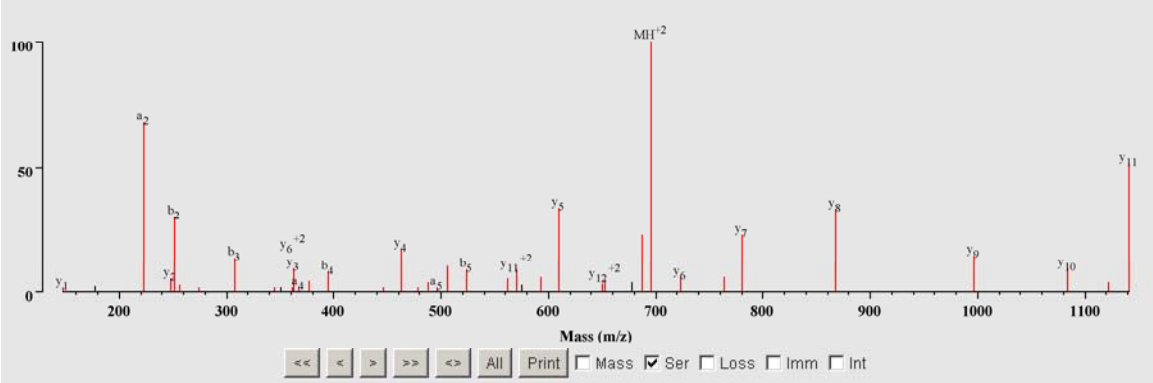
160.0721	175.1121	178.0814	219.1427	223.0985	247.1346	251.0929	262.1396	283.1345	311.1269
	y_1(-39)		FV-28(-30)	a_2(-41)	FV(-38)	b_2(-39)	y_2(-43)	YF-28(-34)	YF(-39) y_5^{+2}(-60)
316.1465	**322.1280**	**334.1640**	**353.1341**	**380.1409**	**391.1710**	**398.1498**	**468.7016**	**469.2180**	**477.7021**
VSE(-12) FVS-H_2O(-60)		FVS(-36)		b_3-H_2O(-52)	y_3(-58)	b_3(-53)	y_8-H_2O^{+2}(-49)	y_8-NH_3^{+2}(2.7) a_4(-57) YFVS-28(-57)	y_8^{+2}(-58)
492.2133	**497.2126**	**559.2322**	**566.2276**	**584.2403**	**593.7397**	**602.7418**	**621.2462**	**690.2696**	**695.2614**
y_4(-57)	b_4(-54) YFVS(-54)	y_9^{+2}(-53)	b_5-H_2O(-59)	b_5(-53)	MH-H_2O^{+2}(-55)	MH^{+2}(-60)	y_5(-61)	y_6-H_2O(-52)	b_6-H_2O(-61)
708.2729	**713.2660**	**770.2544**	**807.3304**	**883.3316**	**954.3858**				
y_6(-61)	b_6(-67)		y_7(-67)		y_8(-70)				

[–] **Main Sequence Ions**

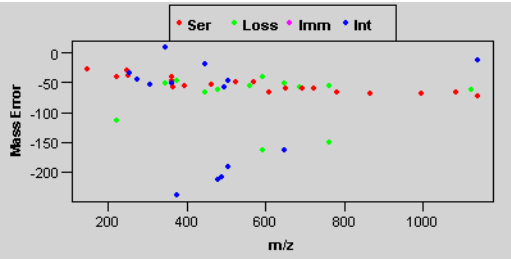
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	1117.5160	559.2617
398.1710	3	F 8	954.4527	477.7300
497.2395	4	V 7	807.3843	404.1958
584.2715	5	S 6	708.3159	354.6616
713.3141	6	E 5	621.2838	311.1456
814.3618	7	T 4	492.2413	246.6243
943.4044	8	E 3	391.1936	196.1004
1030.4364	9	S 2	262.1510	131.5791
---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSESGIFTNTK^{+2}



Max Intensity: **852**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.0%** Matched Series Intensity: **97.4%**



Sequence SYGSESGIFTNTK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H92 N15 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1391.4861	1390.6485	696.2468	695.8279

[–] **Peak Matches**

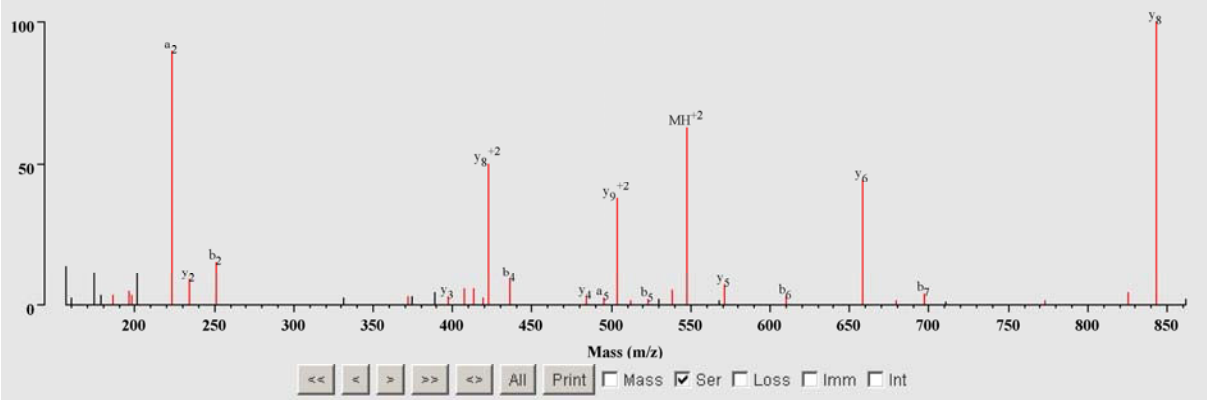
147.1089	178.0801	223.0985	248.1533	251.0929	256.0842	274.0912	308.1078	345.1589	350.1173
y_1(-27)		a_2(-41) y_4-H_2O^{+2}(-114)	y_2(-29)	b_2(-39)	GSE-H_2O(-34) ESG-H_2O(-34)	GSE(-44) ESG(-44)	b_3(-53) YGS(-53)	FTN-H_2O(9.2) y_3-NH_3(-52)	
361.1177	**362.1885**	**367.1403**	**377.1282**	**395.1341**	**446.1950**	**463.2267**	**478.1635**	**488.1484**	**496.1748**
GSES(-49) SESG(-49)	y_3(-41) y_6^{+2}(-47) IFT(-52)	a_4(-57)	b_4-H_2O(-46) SGIF-28(-239)	b_4(-56)	FTNT-H_2O(-19) SESGI-28(-66) y_4-NH_3(-66)	y_4(-53)	a_5-H_2O(-62) SGIFT-28(-214)	SGIFT-H_2O(-209)	a_5(-58) YGSES-28(-58)
506.1642	**524.1726**	**561.7438**	**570.7518**	**575.1805**	**593.1956**	**610.2792**	**650.2077**	**652.2726**	**677.7751**
b_5-H_2O(-47) YGSES-H_2O(-47) SGIFT(-191) ESGIF-28(-191)	YGSES(-50) b_5(-50)	y_{11}-H_2O^{+2}(-55)	y_{11}^{+2}(-50)		b_6-H_2O(-41) SESGIF-28(-164) y_5-NH_3(-164)	y_5(-66)	b_7-H_2O(-52) GSESGIF-28(-164)	y_{12}^{+2}(-60)	
686.7830	**695.7855**	**723.3610**	**763.2837**	**780.3734**	**867.3969**	**996.4311**	**1083.4588**	**1122.4717**	**1140.4704**
MH-H_2O^{+2}(-58)	MH^{+2}(-61)	y_6(-59)	b_8-H_2O(-55) y_7-NH_3(-150)	y_7(-66)	y_8(-69)	y_9(-69)	y_{10}(-67)	y_{11}-H_2O(-63)	YGSESGIFTNT-NH_3(-12) y_{11}(-73)

[–] **Main Sequence Ions**

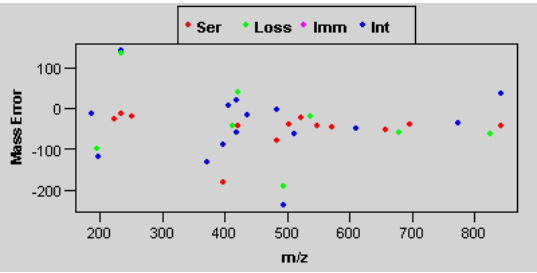
b			y	y^{+2}
---	1	S 13	---	---
251.1026	2	Y 12	1303.6165	652.3119
308.1241	3	G 11	1140.5531	570.7802
395.1561	4	S 10	1083.5317	542.2695
524.1987	5	E 9	996.4997	498.7535
611.2307	6	S 8	867.4571	434.2322
668.2522	7	G 7	780.4250	390.7162
781.3363	8	I 6	723.4036	362.2054
928.4047	9	F 5	610.3195	305.6634
1029.4524	10	T 4	463.2511	232.1292
1143.4953	11	N 3	362.2034	181.6053
1244.5430	12	T 2	248.1605	124.5839
---	13	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGKSSSYSK^{+2}



Max Intensity: **9.06**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **89.1%** Matched Series Intensity: **90.6%**



Sequence SYGKSSSYSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C47 H73 N12 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1094.1731	1093.5160	547.5903	547.2617

[–] **Peak Matches**

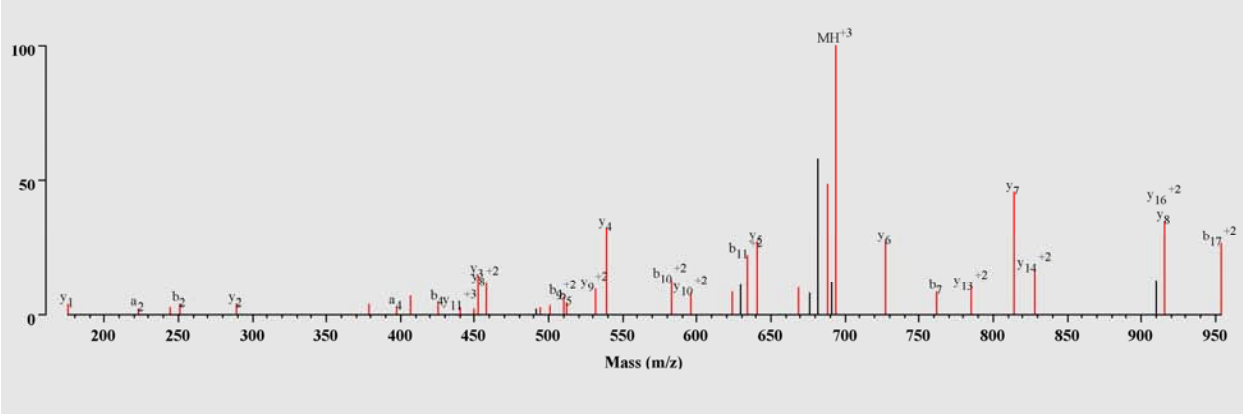
156.0967	160.1092	174.1054	178.0826	186.1215	196.0832	198.1000	201.1111	223.1014	234.1418
				GK(-12)	a_4-NH_3^{+2}(-98)	KS-H_2O(-120)		YS-28(-28) SY-28(-28) a_2(-28)	SSS-28(142) y_4-NH_3^{+2}(134) y_2(-13)
251.0974	**331.1588**	**372.1385**	**374.1458**	**389.1651**	**397.1364**	**407.1587**	**413.1905**	**419.2007**	**422.1959**
YS(-21) SY(-21) b_2(-21)		KSSS-H_2O(-132)			SSYS-28(-89) SSSY-28(-89) y_3(-181)	SSYS-H_2O(6.3) SSSY-H_2O(6.3)	y_8-H_2O^{+2}(-44)	b_4-NH_3(20) YGKS-NH_3(20) GKSSS-28(-58)	b_8-NH_3^{+2}(39) y_8^{+2}(-43)
436.2121	**484.2024**	**495.1382**	**503.7249**	**512.1670**	**523.2392**	**529.7167**	**538.2456**	**547.2388**	**567.7780**
b_4(-16) YGKS(-16)	SSSYS-28(-2.9) y_4(-78)	y_9-NH_3^{+2}(-190) a_5(-238) YGKSS-28(-238)	y_9^{+2}(-41)	SSSYS(-62)	YGKSS(-23) b_5(-23)		MH-H_2O^{+2}(-20)	MH^{+2}(-42)	
571.2448	**610.2535**	**658.2685**	**679.2641**	**697.2866**	**710.3144**	**773.3174**	**825.3576**	**843.3832**	**861.3257**
y_5(-48)	YGKSSS(-49) b_6(-49) GKSSSY(-49)	y_6(-54)	GKSSSYS-H_2O(-60) b_7-H_2O(-60)	GKSSSYS(-41) b_7(-41)		YGKSSSY(-38)	y_8-H_2O(-64)	b_8-NH_3(37) YGKSSSYS-NH_3(37) y_8(-44)	

[–] **Main Sequence Ions**

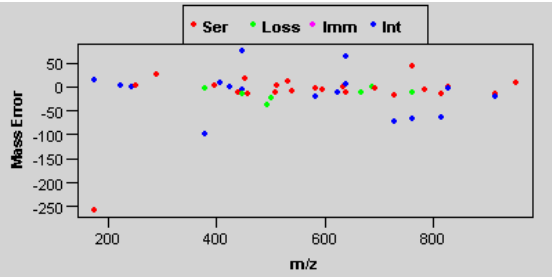
b	b^{+2}			y	y^{+2}
---	---	1	S 10	---	---
251.1026	---	2	Y 9	1006.4840	503.7456
308.1241	---	3	G 8	843.4207	422.2140
436.2191	218.6132	4	K 7	786.3992	393.7032
523.2511	262.1292	5	S 6	658.3042	329.6558
610.2831	305.6452	6	S 5	571.2722	286.1397
697.3151	349.1612	7	S 4	484.2402	242.6237
860.3785	430.6929	8	Y 3	397.2082	199.1077
947.4105	474.2089	9	S 2	234.1448	117.5761
---	---	10	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSSYSKQFTSSTSYNR^{+3}



Max Intensity: **23.4**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **83.6%** Matched Series Intensity: **78.6%**



Sequence: SYSSSYSKQFTSSTSYNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C89 H131 N24 O34

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2081.1729	2079.9254	1041.0902	1040.4663	694.3959	693.9800

[–] Peak Matches

175.0737	223.1085	244.0925	251.1032	289.1693	379.1604	397.1726	407.1590	425.1667	440.2119
SS(14) y_1(-258)	SY-28(3.5) a_2(3.5) YS-28(3.5)	SSS-H_2O(-1.2)	SY(2.3) YS(2.3) b_2(2.3)	y_2(26)	a_4-H_2O(-2.1) YSK(-98)	SSSY-28(2.1) SSYS-28(2.1) YSSS-28(2.1) a_4(2.1)	SSSY-H_2O(7.1) SSYS-H_2O(7.1) b_4-H_2O(7.1) YSSS-H_2O(7.1)	SSYS(0.023) SSSY(0.023) b_4(0.023) YSSS(0.023)	y_{11}^{+3}(-13)
449.2006	**452.2325**	**458.2051**	**491.7238**	**494.1696**	**501.2021**	**509.7213**	**512.2007**	**531.7523**	**539.2530**
TSYN-NH_3(75) SYSK-NH_3(-5.5) y_8-H_2O^{+2}(-14)	y_3(16)	y_8^{+2}(-15)		SSSYS-H_2O(-38) b_5-H_2O(-38)	b_9-NH_3^{+2}(-24)	b_9^{+2}(-12)	SSSYS(3.9) b_5(3.9)	y_9^{+2}(12)	y_4(-7.9)
583.2604	**595.7717**	**624.2912**	**629.9483**	**633.7854**	**640.2968**	**668.2888**	**675.9658**	**681.9704**	**687.9768**
b_{10}^{+2}(-2.1) FTSSTS-28(-20)	y_{10}^{+2}(-6.3)	QFTSST-28(-12)		b_{11}^{+2}(-0.15)	SSTSYN(62) SSSYSK(4.9) y_5(-13)	b_{12}-H_2O^{+2}(-11)			MH-H_2O^{+3}(0.49)
691.3295	**693.9771**	**727.3244**	**762.3267**	**784.8657**	**814.3579**	**828.3856**	**909.9048**	**915.4027**	**953.4192**
	MH^{+3}(-4.2)	y_6(-17) YSKQFT-28(-73)	b_7(43) b_{14}-H_2O^{+2}(-12) KQFTSST-H_2O(-67)	y_{13}^{+2}(-6.3)	y_7(-14) SYSKQFT-28(-63) YSKQFTS-28(-63)	y_{14}^{+2}(-1.2) SSYSKQF(-3.7)		y_8(-15) y_{16}^{+2}(-17) SSSYSKQF(-20)	b_{17}^{+2}(9.1)

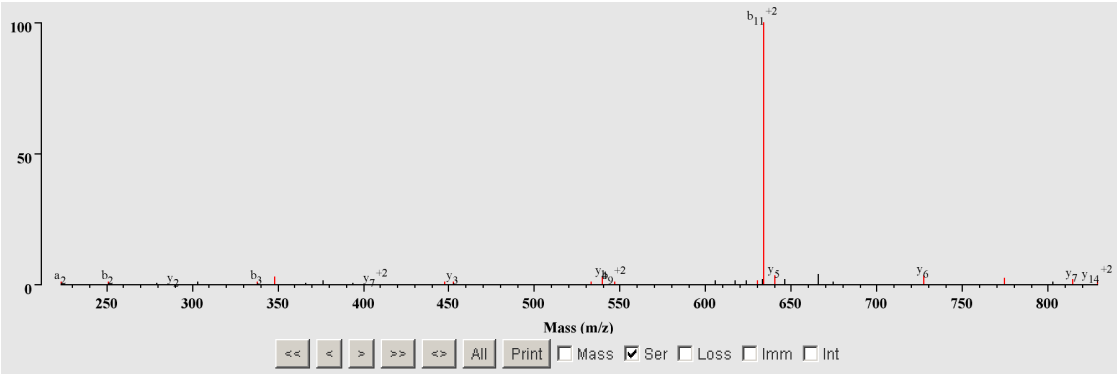
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	18 ---	---
251.1026	---	2	Y	17 1992.8934	996.9503
338.1347	---	3	S	16 1829.8300	915.4187
425.1667	---	4	S	15 1742.7980	871.9026
512.1987	---	5	S	14 1655.7660	828.3866
675.2620	---	6	Y	13 1568.7340	784.8706
762.2941	---	7	S	12 1405.6706	703.3390
890.3890	445.6982	8	K	11 1318.6386	659.8229
1018.4476	509.7274	9	Q	10 1190.5436	595.7755
1165.5160	583.2617	10	F	9 1062.4851	531.7462
1266.5637	633.7855	11	T	8 915.4167	458.2120
1353.5957	677.3015	12	S	7 814.3690	407.6881
1440.6278	720.8175	13	S	6 727.3369	364.1721

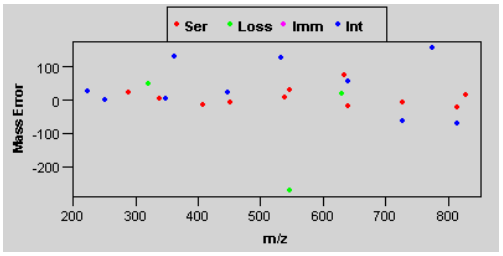
1541.6754	771.3414	14	**T**	5	640.3049	320.6561
1628.7075	814.8574	15	**S**	4	539.2572	270.1323
1791.7708	896.3890	16	**Y**	3	452.2252	226.6162
1905.8137	953.4105	17	**N**	2	289.1619	145.0846
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYSKQFTSSTSYNR^{+3}



Max Intensity: **67.2**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **85.9%** Matched Series Intensity: **85.8%**



Sequence SYSYSKQFTSSTSYNR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C83 H121 N22 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1907.0155	1905.8613	954.0115	953.4343	636.3435	635.9586

[–] **Peak Matches**

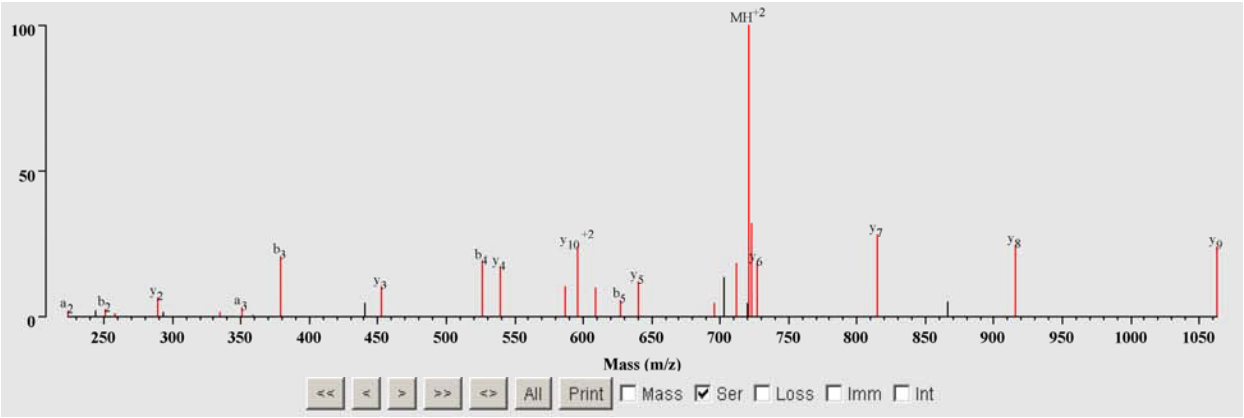
223.1139	251.1027	279.1075	289.1682	303.2221	307.0945	311.1450	317.1559	320.1397	325.1313
a_2(28) YS-28(28) SY-28(28)	YS(0.27) b_2(0.27) SY(0.27)		y_2(22)					SYS-H_2O(49) b_3-H_2O(49)	
330.1150	**338.1358**	**348.1206**	**358.1002**	**363.1979**	**366.1206**	**376.1108**	**391.1938**	**394.1235**	**407.6829**
	SYS(3.4) b_3(3.4)	SYN-NH_3(4.6)		SSTS(129)					y_7^{+2}(-13)
447.1976	**452.2216**	**533.3037**	**539.2613**	**546.7693**	**605.8302**	**616.8199**	**623.9727**	**629.9665**	**633.2778**
QFTS-NH_3(23)	y_3(-8.0)	QFTSS-H_2O(128)	y_4(7.5)	b_9^{+2}(29) y_{14}-NH_3^{+3}(-272)				MH-H_2O^{+3}(18)	
633.8332	**640.2928**	**646.3883**	**665.8662**	**674.3708**	**727.3308**	**774.4523**	**802.4426**	**814.3510**	**828.3998**
b_{11}^{+2}(75)	SSTSYN(55) y_5(-19)				y_6(-8.4) YSKQFT-28(-64)	FTSSTSY(157)		y_7(-22) SYSKQFT-28(-72) YSKQFTS-28(-72)	y_{14}^{+2}(16)

[–] **Main Sequence Ions**

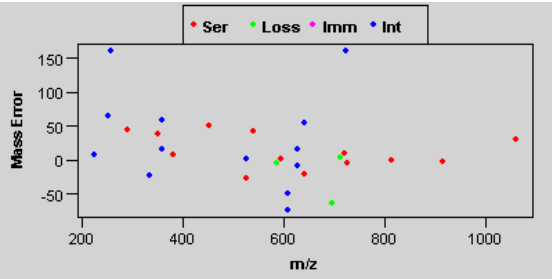
b	b^{+2}			y	y^{+2}
---	---	1	S 16	---	---
251.1026	---	2	Y 15	1818.8293	909.9183
338.1347	---	3	S 14	1655.7660	828.3866
501.1980	---	4	Y 13	1568.7340	784.8706
588.2300	---	5	S 12	1405.6706	703.3390
716.3250	358.6661	6	K 11	1318.6386	659.8229
844.3836	422.6954	7	Q 10	1190.5436	595.7755
991.4520	496.2296	8	F 9	1062.4851	531.7462
1092.4997	546.7535	9	T 8	915.4167	458.2120
1179.5317	590.2695	10	S 7	814.3690	407.6881
1266.5637	633.7855	11	S 6	727.3369	364.1721
1367.6114	684.3093	12	T 5	640.3049	320.6561
1454.6434	727.8253	13	S 4	539.2572	270.1323
1617.7067	809.3570	14	Y 3	452.2252	226.6162
1731.7497	866.3785	15	N 2	289.1619	145.0846
---	---	16	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQFTSSTSYNR^{+2}



Max Intensity: **3.54**
Num Matched: **24/30 (20.0% unmatched)** Matched Intensity: **92.7%** Matched Series Intensity: **89.9%**



Sequence SYQFTSSTSYNR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H90 N17 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1441.5058	1440.6390	721.2566	720.8231

[–] **Peak Matches**

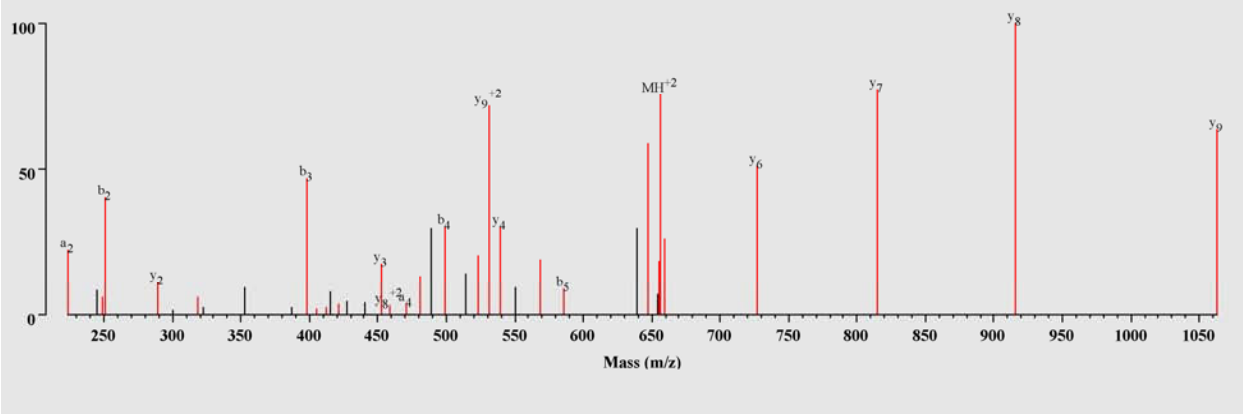
223.1095	244.1259	251.1190	258.1501	289.1747	293.1520	334.1321	351.1795	359.1768	379.1639
a_2(8.0) SY-28(8.0)		b_2(65) SY(65)	TSS-H_2O(161) SST-H_2O(161) STS-H_2O(161)	y_2(44)		a_3-NH_3(-23) TSY-H_2O(-23)	a_3(38)	TSST-H_2O(58) QFT-H_2O(15)	b_3(7.1)
440.2549	**452.2477**	**526.2156**	**539.2800**	**586.7674**	**595.7765**	**609.2215**	**627.2717**	**640.2918**	**696.2544**
	y_3(50)	SSTSY(2.3) b_4(-27)	y_4(42)	y_{10}-H_2O^{+2}(-4.7)	y_{10}^{+2}(1.7)	TSSTSY-H_2O(-49) b_5-H_2O(-74) YQFTS-H_2O(-74)	TSSTSY(15) b_5(-8.9) YQFTS(-8.9)	SSTSYN(54) y_5(-20)	YQFTSS-H_2O(-64) b_6-H_2O(-64)
702.8324	**711.8203**	**719.8239**	**720.8297**	**723.4110**	**727.3336**	**814.3684**	**866.3123**	**915.4143**	**1062.5174**
	MH-H_2O^{+2}(3.4)		MH^{+2}(9.1)	TSSTSYN-H_2O(161)	y_6(-4.6)	y_7(-0.75)		y_8(-2.6)	y_9(30)

[–] **Main Sequence Ions**

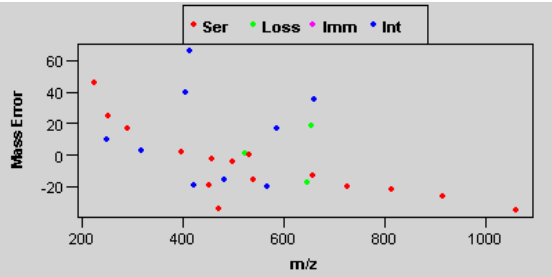
b			y	y^{+2}
---	1	S	12 ---	---
251.1026	2	Y	11 1353.6070	677.3071
379.1612	3	Q	10 1190.5436	595.7755
526.2296	4	F	9 1062.4851	531.7462
627.2773	5	T	8 915.4167	458.2120
714.3093	6	S	7 814.3690	407.6881
801.3414	7	S	6 727.3369	364.1721
902.3890	8	T	5 640.3049	320.6561
989.4211	9	S	4 539.2572	270.1323
1152.4844	10	Y	3 452.2252	226.6162
1266.5273	11	N	2 289.1619	145.0846
---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFTSSTSYNR^{+2}



Max Intensity: **18.1**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **86.4%** Matched Series Intensity: **84.2%**



Sequence SYFTSSTSYNR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H82 N15 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1313.3743	1312.5804	657.1908	656.7938

[–] **Peak Matches**

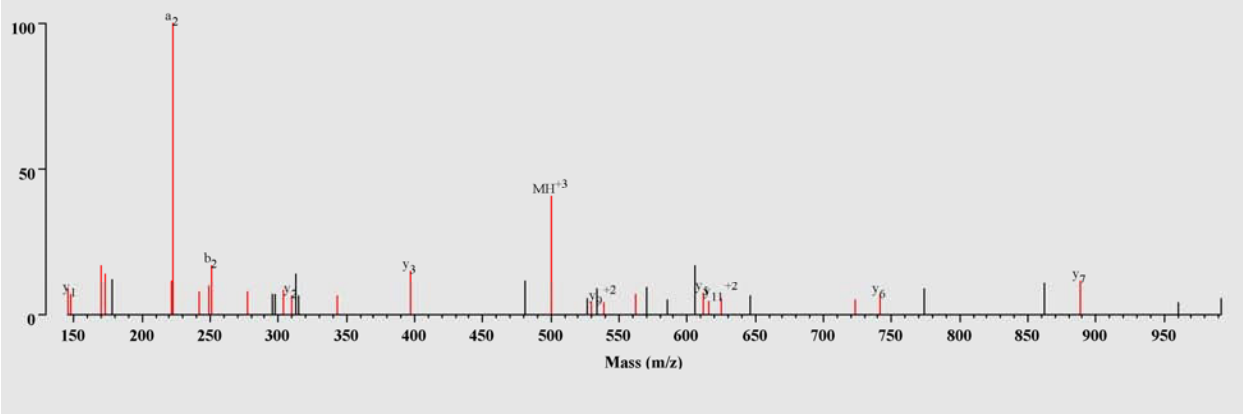
223.1179	245.1210	249.1257	251.1088	289.1669	300.1443	318.1456	322.1382	353.1466	387.2090
SY-28(46) a_2(46)		FT(9.4)	SY(25) b_2(25)	y_2(17)		FTS-H_2O(2.4)			
398.1717	**405.1930**	**412.2141**	**415.2362**	**421.1638**	**427.2586**	**440.1928**	**452.2164**	**458.2110**	**471.2076**
b_3(1.6)	FTSS-H_2O(40)	YFT(66)		STSY-H_2O(-19)			y_3(-19)	y_8^{+2}(-2.1)	YFTS-28(-34) a_4(-34)
481.2004	**489.2300**	**499.2166**	**513.7388**	**522.7416**	**531.7462**	**539.2487**	**550.2324**	**568.2289**	**586.2606**
b_4-H_2O(-16) YFTS-H_2O(-16)		YFTS(-4.3) b_4(-4.3)		y_9-H_2O^{+2}(1.4)	y_9^{+2}(0.056)	y_4(-16)		b_5-H_2O(-20) YFTSS-H_2O(-20)	b_5(17) YFTSS(17)
638.7792	**647.7774**	**654.3476**	**655.2848**	**656.7851**	**659.3268**	**727.3222**	**814.3511**	**915.3933**	**1062.4484**
	MH-H_2O^{+2}(-17)		b_6-H_2O(19)	MH^{+2}(-13)	YFTSST-28(35)	y_6(-20)	y_7(-22)	y_8(-26)	y_9(-35)

[–] **Main Sequence Ions**

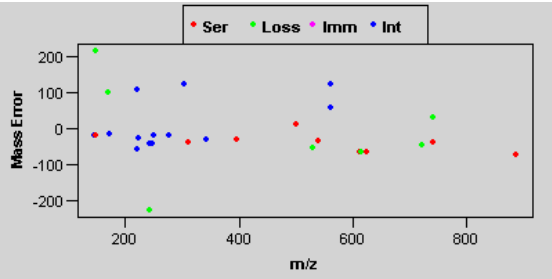
b			y	y^{+2}
---	1	S	11 ---	---
251.1026	2	Y	10 1225.5484	613.2778
398.1710	3	F	9 1062.4851	531.7462
499.2187	4	T	8 915.4167	458.2120
586.2508	5	S	7 814.3690	407.6881
673.2828	6	S	6 727.3369	364.1721
774.3305	7	T	5 640.3049	320.6561
861.3625	8	S	4 539.2572	270.1323
1024.4258	9	Y	3 452.2252	226.6162
1138.4687	10	N	2 289.1619	145.0846
---	11	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGDSTFESKSYK^{+3}



Max Intensity: **15.9**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **70.6%** Matched Series Intensity: **66.1%**



Sequence: SYGDSTFESKSYK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H96 N15 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1499.5834	1498.6696	750.2954	749.8385	500.5327	500.2281

[–] Peak Matches

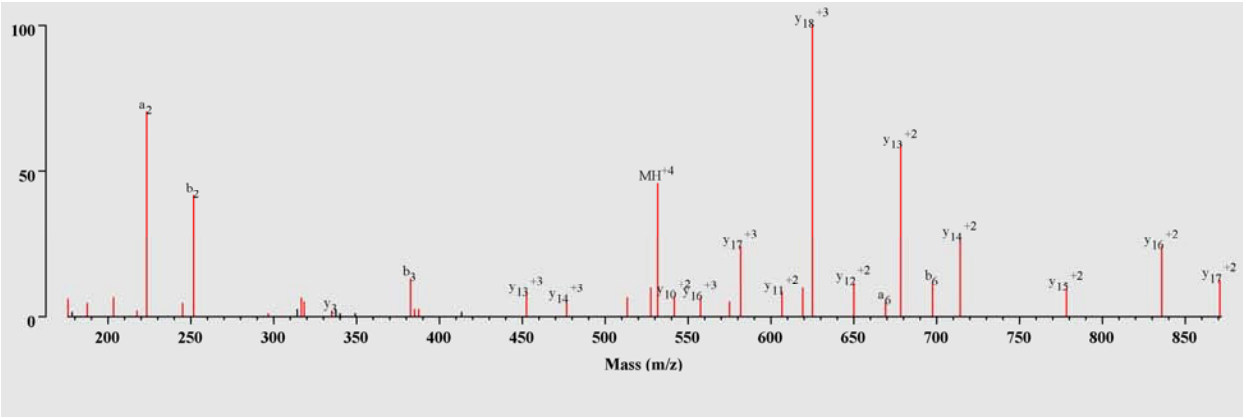
145.0580	147.1100	170.1138	173.0530	178.0839	221.1155	223.1014	242.0667	249.1128	251.0974
GD-28(-19)	y_2-NH_3^{+2}(215) y_1(-19)	y_4-NH_3^{+3}(99)	GD(-16)		YG(106) TF-28(-59)	a_2(-28) SY-28(-28)	GDS-H_2O(-43) y_6-NH_3^{+3}(-228)	TF(-42) FE-28(-42)	b_2(-21) SY(-21)
277.1124	**295.1778**	**297.1028**	**303.2037**	**310.1644**	**313.1365**	**315.1293**	**343.1136**	**397.1949**	**480.7455**
FE(-21)			SKS(123)	y_2(-38)			GDST-H_2O(-33)	y_3(-33)	
500.2342	**526.2352**	**529.7320**	**533.2687**	**538.7485**	**562.2823**	**569.7529**	**585.2243**	**605.8033**	**612.2938**
MH^{+3}(12)		y_9-H_2O^{+2}(-55)		y_9^{+2}(-34)	DSTFE-H_2O(121) FESKS-NH_3(56)				y_5(-68)
615.7434	**624.7493**	**646.3668**	**723.3330**	**741.3473**	**774.4021**	**862.3815**	**888.3793**	**960.4826**	**991.3978**
y_{11}-H_2O^{+2}(-68)	y_{11}^{+2}(-66)		y_6-H_2O(-47)	MH-NH_3^{+2}(30) y_6(-41)			y_7(-75)		

[–] Main Sequence Ions

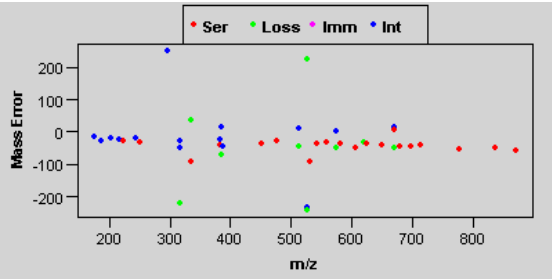
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1411.6376	706.3224
308.1241	---	3	**G**	11	1248.5743	624.7908
423.1510	---	4	**D**	10	1191.5528	596.2800
510.1831	---	5	**S**	9	1076.5259	538.7666
611.2307	---	6	**T**	8	989.4938	495.2506
758.2992	---	7	**F**	7	888.4462	444.7267
887.3418	---	8	**E**	6	741.3777	371.1925
974.3738	---	9	**S**	5	612.3352	306.6712
1102.4687	551.7380	10	**K**	4	525.3031	263.1552
1189.5008	595.2540	11	**S**	3	397.2082	199.1077
1352.5641	676.7857	12	**Y**	2	310.1761	155.5917
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMADEAGSEADHEGTHSTK^{+4}



Max Intensity: **45.4**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **97.9%**



Sequence: SYMADEAGSEADHEGTHSTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C85 H128 N25 O37 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2124.1737	2122.8618	1062.5906	1061.9345	708.7295	708.2921	531.7990	531.4709

[–] Peak Matches

175.0870	178.0826	187.0665	203.0807	217.0769	223.1015	245.0724	251.0944	296.2095	314.1137
MA-28(-17)		EG(-26) AD(-26)	MA(-21)	SE(-23) DE-28(-23)	a_2(-28)	DE(-18)	b_2(-33)	GTH(250) ADH-28(250) HEG-28(250)	
316.1045	**318.0964**	**335.1612**	**337.1115**	**340.1173**	**349.1139**	**382.1271**	**385.1411**	**387.1328**	**413.1424**
EAD(-30) DEA(-30) ADE(-30)	MAD(-48) y_3-NH_3(-219)	y_{13}-H_2O^{+4}(38) y_3(-93)				DHE(-23) b_3(-42)	SEAD-H_2O(15) y_{15}-H_2O^{+4}(-71)	ADEA(-47)	
452.5163	**476.1974**	**513.1998**	**527.0869**	**531.4208**	**541.7269**	**557.5505**	**575.2146**	**581.2247**	**606.2390**
y_{13}^{+3}(-35)	y_{14}^{+3}(-29)	AGSEAD-H_2O(11) ADEAGS-H_2O(11) y_{15}-H_2O^{+3}(-43)	MH-H_2O^{+4}(225) EAGSEA-H_2O(-233) MH-NH_3^{+4}(-242)	MH^{+4}(-94)	y_{10}^{+2}(-37)	y_{16}^{+3}(-31)	MADEAG(2.8) y_{17}-H_2O^{+3}(-50)	y_{17}^{+3}(-38)	y_{11}^{+2}(-48)
618.9037	**624.9054**	**649.7565**	**669.2575**	**678.2655**	**697.2167**	**713.7843**	**778.2941**	**835.8065**	**871.3174**
y_{18}-H_2O^{+3}(-32)	y_{18}^{+3}(-35)	y_{12}^{+2}(-42)	SEADHE(15) a_6(4.0) y_{13}-H_2O^{+2}(-48)	y_{13}^{+2}(-43)	b_6(-47)	y_{14}^{+2}(-41)	y_{15}^{+2}(-52)	y_{16}^{+2}(-50)	y_{17}^{+2}(-56)

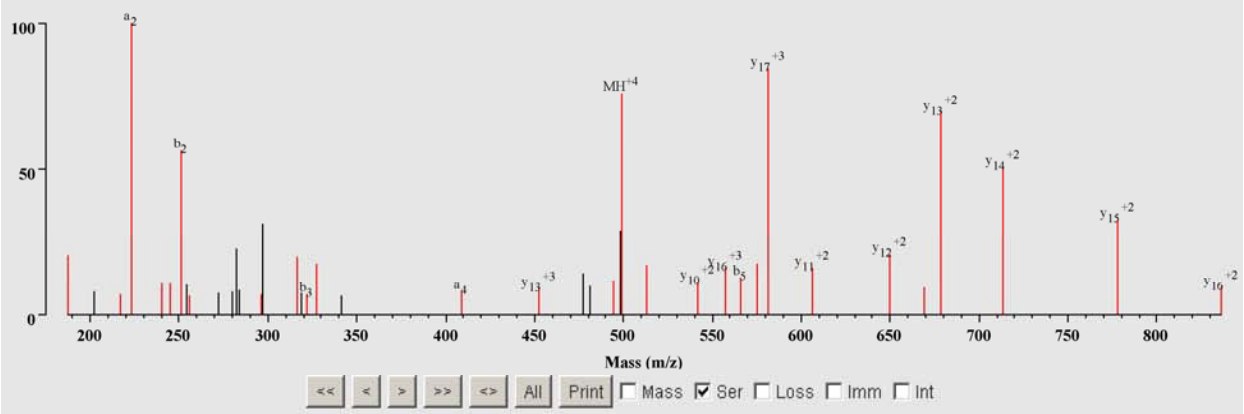
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	20 ---	---
251.1026	---	2	Y	19 2035.8298	1018.4185
382.1431	---	3	M	18 1872.7665	936.8869
453.1802	---	4	A	17 1741.7260	871.3666
568.2072	---	5	D	16 1670.6889	835.8481
697.2498	---	6	E	15 1555.6619	778.3346
768.2869	---	7	A	14 1426.6193	713.8133
825.3083	---	8	G	13 1355.5822	678.2947
912.3404	---	9	S	12 1298.5607	649.7840
1041.3830	---	10	E	11 1211.5287	606.2680
1112.4201	---	11	A	10 1082.4861	541.7467
1227.4470	---	12	D	9 1011.4490	506.2281
1364.5059	682.7566	13	H	8 896.4221	448.7147
1493.5485	747.2779	14	E	7 759.3632	380.1852

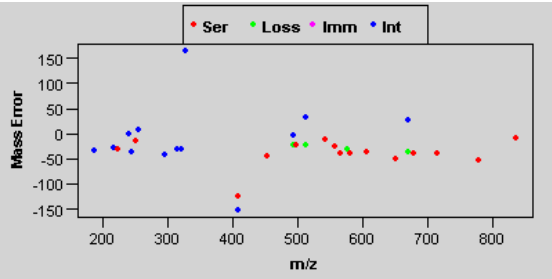
1550.5700	775.7886	15	**G**	6	630.3206	315.6639
1651.6177	826.3125	16	**T**	5	573.2991	287.1532
1788.6766	894.8419	17	**H**	4	472.2514	236.6293
1875.7086	938.3579	18	**S**	3	335.1925	168.0999
1976.7563	988.8818	19	**T**	2	248.1605	124.5839
---	---	20	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYADEAGSEADHEGTHSTK^{+4}



Max Intensity: **6.29**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **82.0%** Matched Series Intensity: **80.1%**



Sequence: SYADEAGSEADHEGTHSTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H119 N24 O36

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1992.9759	1991.8213	996.9917	996.4143	664.9969	664.6120	498.9996	498.7108

[–] Peak Matches

187.0652	202.1391	217.0756	223.1008	240.0977	245.0680	251.0989	254.1192	256.0948	272.1440
EG(-33) AD(-33)		SE(-29) DE-28(-29)	a_2(-31)	EAG-H_2O(-0.76)	DE(-36)	b_2(-15)		GSE-H_2O(7.8)	
280.1217	**282.1211**	**284.1307**	**296.1232**	**297.1550**	**316.1045**	**319.1201**	**322.1297**	**327.1839**	**341.1251**
			GTH(-41) ADH-28(-41) HEG-28(-41)		EAD(-30) DEA(-30) ADE(-30)		b_3(-31) YAD-28(-31)	EAGS-H_2O(165) AGSE-H_2O(165) GSEA-H_2O(165)	
409.1203	**452.5123**	**477.1892**	**481.1543**	**494.1973**	**498.2344**	**498.6993**	**513.2106**	**541.7401**	**557.5527**
a_4(-126) THST-H_2O(-153)	y_{13}^{+3}(-44)			EGTHS-H_2O(-4.2) MH-H_2O^{+4}(-22)		MH^{+4}(-23)	AGSEAD-H_2O(32) ADEAGS-H_2O(32) y_{15}-H_2O^{+3}(-22)	y_{10}^{+2}(-12)	y_{16}^{+3}(-27)
566.1871	**575.2259**	**581.2238**	**606.2459**	**649.7517**	**669.2648**	**678.2680**	**713.7853**	**778.2941**	**835.8393**
b_5(-39)	y_{17}-H_2O^{+3}(-30)	y_{17}^{+3}(-40)	y_{11}^{+2}(-36)	y_{12}^{+2}(-50)	SEADHE(26) y_{13}-H_2O^{+2}(-37)	y_{13}^{+2}(-39)	y_{14}^{+2}(-39)	y_{15}^{+2}(-52)	y_{16}^{+2}(-10)

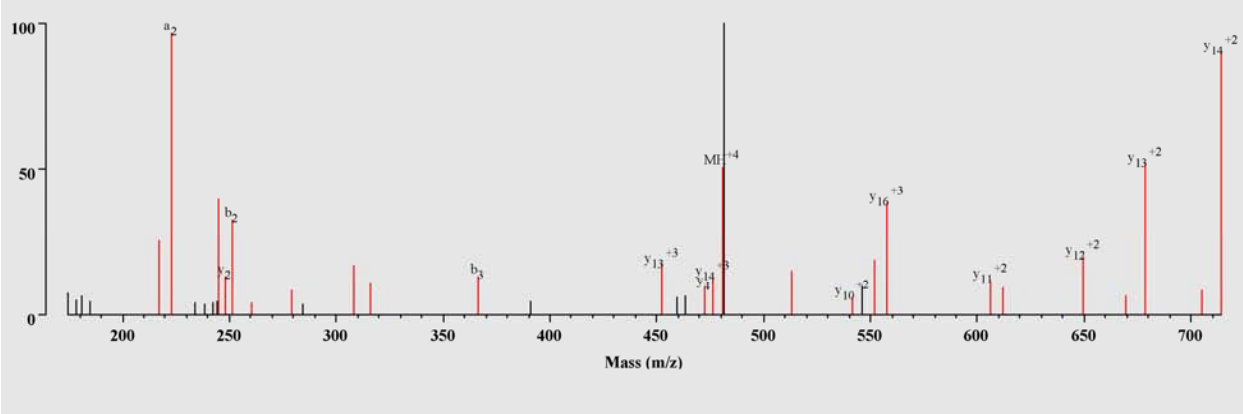
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	19 ---	---
251.1026	---	2	Y	18 1904.7893	952.8983
322.1397	---	3	A	17 1741.7260	871.3666
437.1667	---	4	D	16 1670.6889	835.8481
566.2093	---	5	E	15 1555.6619	778.3346
637.2464	---	6	A	14 1426.6193	713.8133
694.2679	---	7	G	13 1355.5822	678.2947
781.2999	---	8	S	12 1298.5607	649.7840
910.3425	---	9	E	11 1211.5287	606.2680
981.3796	---	10	A	10 1082.4861	541.7467
1096.4065	---	11	D	9 1011.4490	506.2281
1233.4655	617.2364	12	H	8 896.4221	448.7147
1362.5080	681.7577	13	E	7 759.3632	380.1852
1419.5295	710.2684	14	G	6 630.3206	315.6639
1520.5772	760.7922	15	T	5 573.2991	287.1532
1657.6361	829.3217	16	H	4 472.2514	236.6293

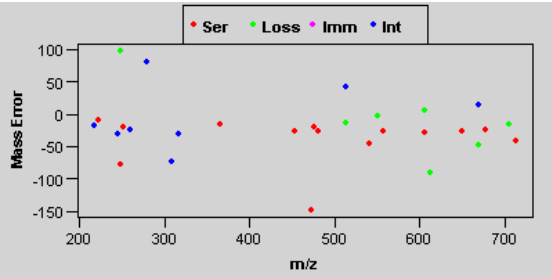
1744.6681	872.8377	17	**S**	3	335.1925	168.0999
1845.7158	923.3615	18	**T**	2	248.1605	124.5839
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDEAGSEADHEGTHSTK^{+4}



Max Intensity: **4.75**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **77.6%** Matched Series Intensity: **76.1%**



Sequence: SYDEAGSEADHEGTHSTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C77 H114 N23 O35

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1921.8966	1920.7842	961.4520	960.8957	641.3038	640.9329	481.2297	480.9515

[–] Peak Matches

174.1154	178.0839	181.0603	185.0656	217.0783	223.1056	234.1143	238.1046	242.1139	244.1704
				DE-28(-17) SE(-17)	a_2(-9.5)				
245.0695	**248.1414**	**251.0974**	**260.1179**	**279.1200**	**284.1403**	**308.1128**	**316.1045**	**366.1237**	**391.0213**
DE(-30)	y_7-NH_3^{+3}(98) y_2(-77)	YD-28(-21) b_2(-21)	EGT-28(-24) SEA-28(-24)	YD(80)		THS-H_2O(-73) HST-H_2O(-73)	DEA(-30) EAD(-30)	b_3(-16)	
452.5203	**459.4377**	**463.2287**	**472.1809**	**476.2016**	**480.7216**	**480.9385**	**481.1979**	**513.2149**	**541.7224**
y_{13}^{+3}(-26)			y_4(-149)	y_{14}^{+3}(-20)		MH^{+4}(-27)		AGSEAD-H_2O(41) y_{15}-H_2O^{+3}(-14)	y_{10}^{+2}(-45)
545.8737	**551.5621**	**557.5527**	**606.2506**	**612.2540**	**649.7662**	**669.2575**	**678.2778**	**704.7964**	**713.7843**
	y_{16}-H_2O^{+3}(-4.0)	y_{16}^{+3}(-27)	y_{17}-NH_3^{+3}(6.4) y_{11}^{+2}(-29)	y_6-H_2O(-91)	y_{12}^{+2}(-27)	SEADHE(15) y_{13}-H_2O^{+2}(-48)	y_{13}^{+2}(-25)	y_{14}-H_2O^{+2}(-16)	y_{14}^{+2}(-41)

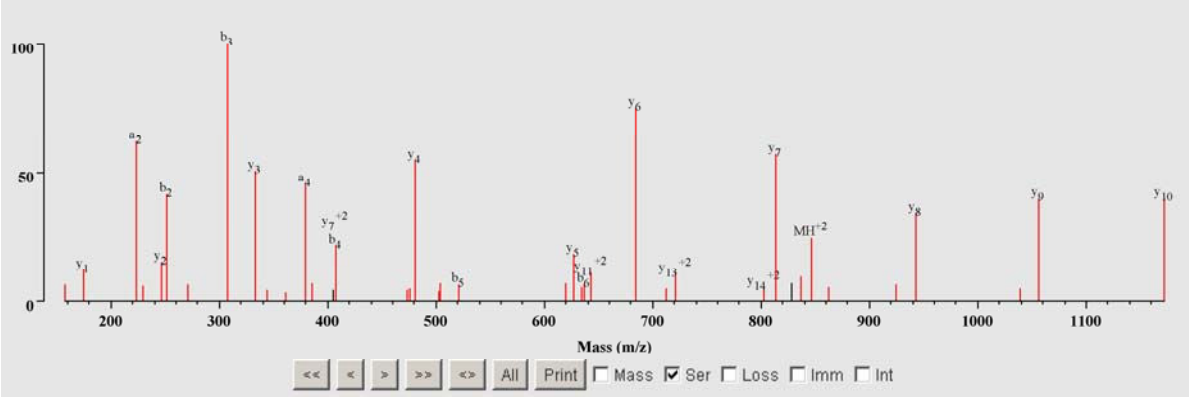
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 18	---	---
251.1026	---	2	**Y** 17	1833.7522	917.3797
366.1296	---	3	**D** 16	1670.6889	835.8481
495.1722	---	4	**E** 15	1555.6619	778.3346
566.2093	---	5	**A** 14	1426.6193	713.8133
623.2307	---	6	**G** 13	1355.5822	678.2947
710.2628	---	7	**S** 12	1298.5607	649.7840
839.3054	---	8	**E** 11	1211.5287	606.2680
910.3425	---	9	**A** 10	1082.4861	541.7467
1025.3694	---	10	**D** 9	1011.4490	506.2281
1162.4283	581.7178	11	**H** 8	896.4221	448.7147
1291.4709	646.2391	12	**E** 7	759.3632	380.1852
1348.4924	674.7498	13	**G** 6	630.3206	315.6639
1449.5401	725.2737	14	**T** 5	573.2991	287.1532
1586.5990	793.8031	15	**H** 4	472.2514	236.6293
1673.6310	837.3191	16	**S** 3	335.1925	168.0999
1774.6787	887.8430	17	**T** 2	248.1605	124.5839

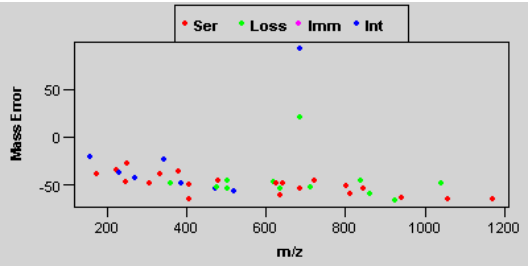
---	---	18	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGVNDNEEGFFSAR^{+2}



Max Intensity: **137**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.7%** Matched Series Intensity: **98.6%**



Sequence: SYGVNDNEEGFFSAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H103 N20 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1692.7493	1691.7296	846.8784	846.3684

[–] **Peak Matches**

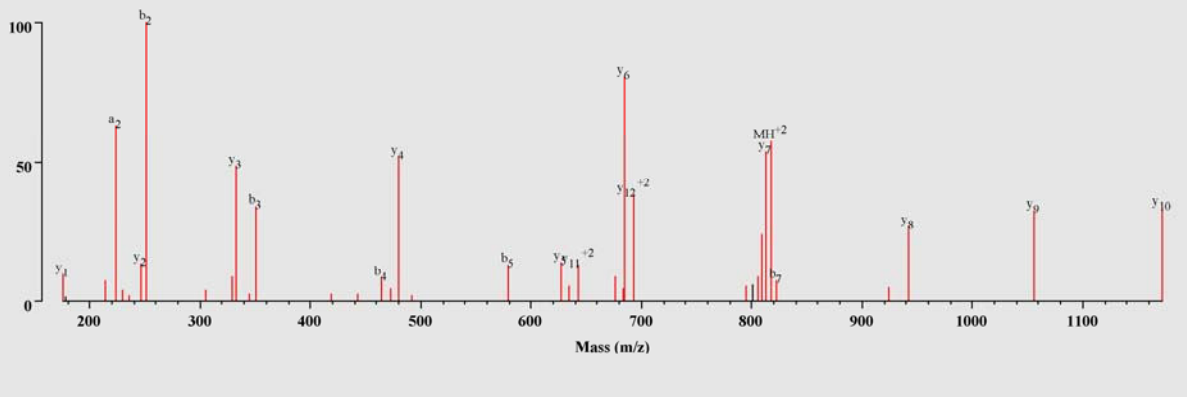
157.0939	175.1121	223.1000	230.0687	246.1447	251.0959	271.1286	308.1094	333.1752	344.1118
GV(-21)	y_1(-39)	a_2(-35)	ND(-37) DN(-37)	y_2(-46)	b_2(-27)	GVN(-42)	b_3(-48)	y_3(-39)	NDN(-24)
361.1698	**379.1839**	**386.1484**	**405.1256**	**407.1721**	**473.1376**	**476.1892**	**480.2351**	**503.1983**	**504.1860**
a_4-H_2O(-48)	a_4(-36)	GVND(-48)		b_4(-50) y_7^{+2}(-64)	NDNE(-53)	a_5-NH_3(-52)	y_4(-45)	b_5-H_2O(-53)	b_5-NH_3(-45)
521.2063	**619.2075**	**627.2948**	**634.7286**	**636.2244**	**643.2451**	**684.3101**	**712.2781**	**721.2880**	**802.8112**
b_5(-56) YGVND-28(-56)	b_6-NH_3(-46)	y_5(-48)	y_{11}-NH_3^{+2}(-53)	b_6(-60)	y_{11}^{+2}(-48)	VNDNEE-NH_3(92) y_{12}-NH_3^{+2}(20) y_6(-53)	y_{13}-H_2O^{+2}(-52)	y_{13}^{+2}(-45)	y_{14}^{+2}(-51)
813.3408	**828.8060**	**837.3257**	**846.3238**	**862.2703**	**924.3598**	**942.3724**	**1039.3981**	**1056.4069**	**1171.4266**
y_7(-59)		MH-H_2O^{+2}(-45)	MH^{+2}(-53)	b_8-NH_3(-59)	y_8-H_2O(-66)	y_8(-63)	y_9-NH_3(-48)	y_9(-64)	y_{10}(-64)

[–] **Main Sequence Ions**

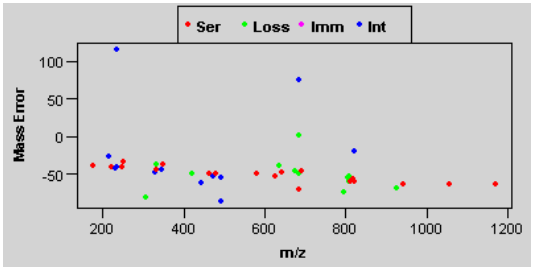
b				y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1604.6976	802.8524
308.1241	3	G	13	1441.6342	721.3208
407.1925	4	V	12	1384.6128	692.8100
521.2354	5	N	11	1285.5444	643.2758
636.2624	6	D	10	1171.5014	586.2544
750.3053	7	N	9	1056.4745	528.7409
879.3479	8	E	8	942.4316	471.7194
1008.3905	9	E	7	813.3890	407.1981
1065.4120	10	G	6	684.3464	342.6768
1212.4804	11	F	5	627.3249	314.1661
1359.5488	12	F	4	480.2565	240.6319
1446.5808	13	S	3	333.1881	167.0977
1517.6179	14	A	2	246.1561	123.5817
---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVNDNEEGFFSAR^{+2}



Max Intensity: **667**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.0%** Matched Series Intensity: **98.9%**



Sequence SYVNDNEEGFFSAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C71 H100 N19 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1635.6971	1634.7081	818.3523	817.8577

[–] **Peak Matches**

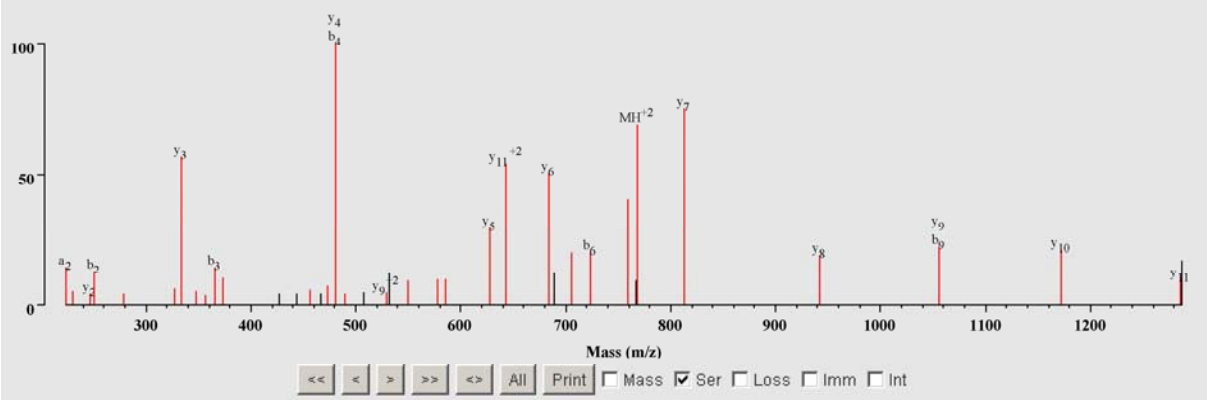
175.1121	178.0814	214.1130	223.0985	230.0673	235.1348	246.1462	251.0944	305.1365	329.1298
y_1(-39)		VN(-26)	a_2(-41)	ND(-43) DN(-43)	FS(115) YV-28(-40)	y_2(-40)	b_2(-33)	y_5-H_2O^{+2}(-80)	VND(-48)
332.1481	**333.1734**	**344.1048**	**350.1580**	**419.1717**	**443.1615**	**464.1906**	**473.1376**	**480.2331**	**492.1818**
b_3-H_2O(-37)	y_3(-44)	NDN(-44)	b_3(-37)	a_4-NH_3(-50)	VNDN(-61)	YVND-28(-50) b_4(-50)	NDNE(-53)	y_4(-49)	YVND(-55) GFFSA-H_2O(-86)
579.2118	**627.2924**	**634.7381**	**643.2451**	**676.2263**	**683.7705**	**684.2977**	**692.7782**	**795.3206**	**800.2926**
b_5(-50)	y_5(-52)	y_{11}-NH_3^{+2}(-39)	y_{11}^{+2}(-48)	b_6-NH_3(-46)	y_{12}-H_2O^{+2}(-50)	VNDNEE-NH_3(74) y_{12}-NH_3^{+2}(1.4) y_6(-71)	y_{12}^{+2}(-46)	y_7-H_2O(-73)	
805.2559	**808.8047**	**809.3027**	**813.3408**	**817.8111**	**822.2773**	**924.3569**	**942.3724**	**1056.4069**	**1171.4266**
b_7-NH_3(-55)	MH-H_2O^{+2}(-59)	MH-NH_3^{+2}(-52)	y_7(-59)	MH^{+2}(-57)	DNEEGFF-NH_3(-20) b_7(-60)	y_8-H_2O(-69)	y_8(-63)	y_9(-64)	y_{10}(-64)

[–] **Main Sequence Ions**

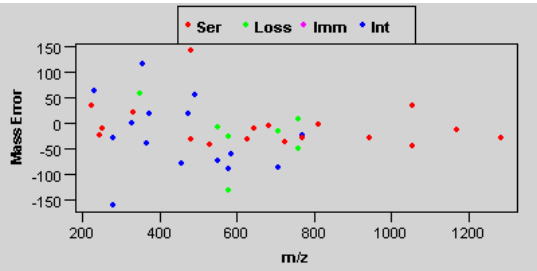
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1547.6761	774.3417
350.1710	3	V	12	1384.6128	692.8100
464.2140	4	N	11	1285.5444	643.2758
579.2409	5	D	10	1171.5014	586.2544
693.2838	6	N	9	1056.4745	528.7409
822.3264	7	E	8	942.4316	471.7194
951.3690	8	E	7	813.3890	407.1981
1008.3905	9	G	6	684.3464	342.6768
1155.4589	10	F	5	627.3249	314.1661
1302.5273	11	F	4	480.2565	240.6319
1389.5594	12	S	3	333.1881	167.0977
1460.5965	13	A	2	246.1561	123.5817
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNDNEEGFFSAR^{+2}



Max Intensity: **2.19**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **91.4%** Matched Series Intensity: **89.7%**



Sequence SYNDNEEGFFSAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H91 N18 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1536.5637	1535.6397	768.7856	768.3235

[–] **Peak Matches**

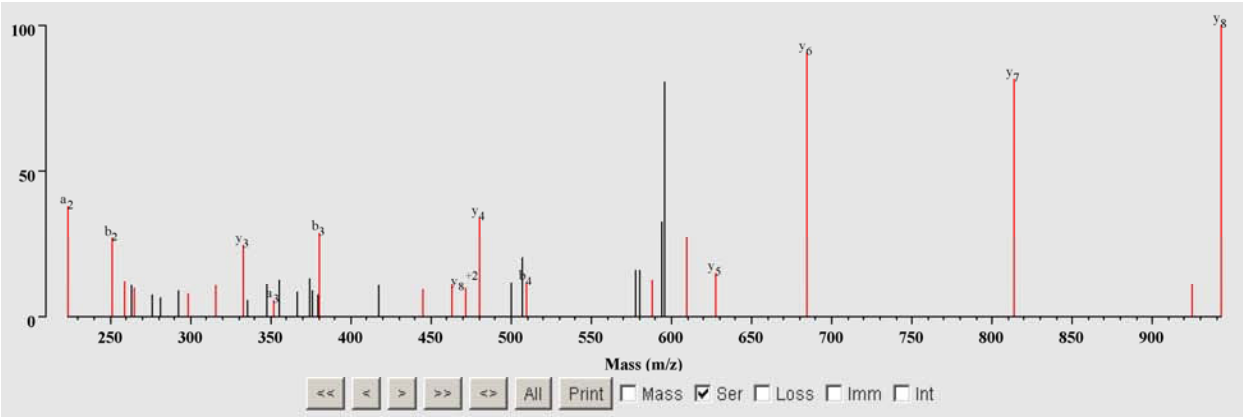
223.1155	230.0917	246.1505	251.1002	278.1054	327.0941	333.1950	348.1392	356.1503	365.1308
a_2(35)	ND(63) DN(63)	y_2(-23)	b_2(-9.7)	YN(-29) FSA-28(-160)	NDN-NH_3(1.8)	y_3(21)	b_3-NH_3(58)	NEE-NH_3(116)	b_3(-40) YND-28(-40)
373.1420	**427.1966**	**443.1834**	**456.1007**	**466.2030**	**473.1723**	**480.2410**	**490.1846**	**508.1030**	**528.7188**
NEE(18)			NDNE-NH_3(-78)		NDNE(20)	b_4(143) y_4(-32)	YNDN-NH_3(57)		y_9^{+2}(-42)
532.1605	**549.1900**	**577.1739**	**585.1430**	**627.3050**	**643.2697**	**684.3426**	**689.1912**	**706.2218**	**723.2312**
	a_5-NH_3(-7.2) NEEGF-28(-73)	b_5-NH_3(-26) NEEGF(-89) y_{10}-H_2O^{+2}(-130)	NDNEE-NH_3(-61)	y_5(-32)	y_{11}^{+2}(-9.5)	y_6(-5.5)		b_6-NH_3(-14) NEEGFF-H_2O(-87)	b_6(-37)
759.2804	**759.8177**	**766.8460**	**768.3012**	**813.3877**	**942.4054**	**1056.4286**	**1171.4874**	**1285.5099**	**1286.4975**
MH-H_2O^{+2}(-50)	MH-NH_3^{+2}(9.8)		EEGFFSA(-24) MH^{+2}(-29)	y_7(-1.6)	y_8(-28)	b_9(36) y_9(-43)	y_{10}(-12)	y_{11}(-27)	

[–] **Main Sequence Ions**

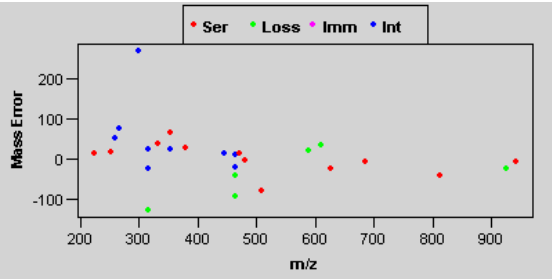
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1448.6077	724.8075
365.1456	3	N	11	1285.5444	643.2758
480.1725	4	D	10	1171.5014	586.2544
594.2154	5	N	9	1056.4745	528.7409
723.2580	6	E	8	942.4316	471.7194
852.3006	7	E	7	813.3890	407.1981
909.3221	8	G	6	684.3464	342.6768
1056.3905	9	F	5	627.3249	314.1661
1203.4589	10	F	4	480.2565	240.6319
1290.4909	11	S	3	333.1881	167.0977
1361.5281	12	A	2	246.1561	123.5817
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEEGFFSAR^{+2}



Max Intensity: **2.05**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **65.8%** Matched Series Intensity: **65.3%**



Sequence SYEEGFFSAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C54 H74 N13 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1193.2656	1192.5269	597.1365	596.7671

[–] Peak Matches

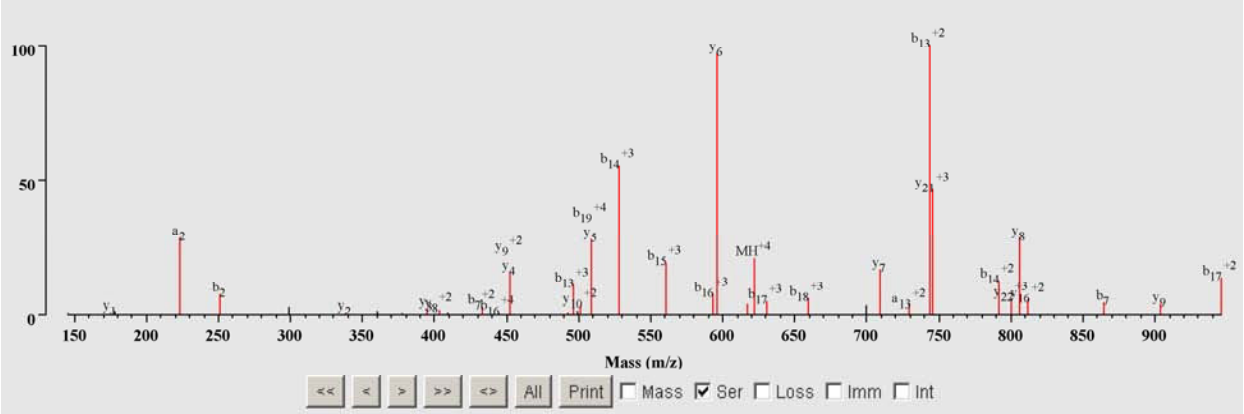
223.1109	251.1070	259.1059	263.1216	265.1380	276.1525	281.1508	292.2114	298.1835	316.1209
a_2(14)	b_2(17)	EE(52)		YE-28(74)				EEG-H_2O(269)	EEG(22) EGF-H_2O(-26) y_3-NH_3(-129)
333.2004	**335.1293**	**347.2023**	**352.1734**	**355.0760**	**366.2184**	**374.2121**	**376.2047**	**379.2340**	**380.1560**
y_3(37)			a_3(66) GFF(22)						b_3(28)
417.1606	**445.1772**	**463.1869**	**471.7253**	**480.2545**	**499.7104**	**506.7736**	**509.1475**	**577.3333**	**580.3160**
	EEGF-H_2O(12)	a_4-H_2O(9.8) EEGF(9.8) EGFF-H_2O(-23) y_8-NH_3^{+2}(-42) y_4-NH_3(-93)	y_8^{+2}(12)	y_4(-4.2)			b_4(-79)		
587.7742	**593.8401**	**594.3613**	**595.3238**	**609.3336**	**627.3096**	**684.3420**	**813.3548**	**924.3984**	**942.4256**
MH-H_2O^{+2}(21)				y_5-H_2O(32)	y_5(-24)	y_6(-6.4)	y_7(-42)	y_8-H_2O(-24)	y_8(-6.3)

[–] Main Sequence Ions

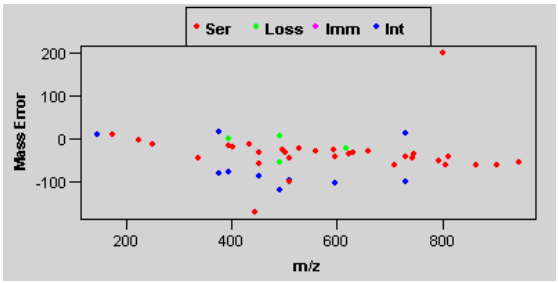
b			y	y^{+2}
---	1	S	10 ---	---
251.1026	2	Y	9 1105.4949	553.2511
380.1452	3	E	8 942.4316	471.7194
509.1878	4	E	7 813.3890	407.1981
566.2093	5	G	6 684.3464	342.6768
713.2777	6	F	5 627.3249	314.1661
860.3461	7	F	4 480.2565	240.6319
947.3781	8	S	3 333.1881	167.0977
1018.4153	9	A	2 246.1561	123.5817
---	10	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKREEAPSLRPAPPPISGGGYR^{+4}



Max Intensity: **1184**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **98.2%** Matched Series Intensity: **98.1%**



Sequence: SYKREEAPSLRPAPPPISGGGYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C110 H174 N33 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2486.8103	2485.2946	1243.9088	1243.1510	829.6084	829.1031	622.4581	622.0791

[–] Peak Matches

145.0620	175.1202	178.0856	223.1069	251.0991	299.1434	338.1667	360.2052	377.2236	395.1971
SG(8.5)	y_1(7.1)		a_2(-3.7)	b_2(-14)		y_2(-46)		PPIS-H_2O(14) PPPI-28(-82)	y_8-NH_3^{+2}(-2.6) y_3(-17) PPIS(-80)
403.7026	**408.7341**	**432.7080**	**444.9133**	**452.2108**	**492.2226**	**495.9184**	**499.2601**	**500.7477**	**509.2222**
y_8^{+2}(-22)		b_7^{+2}(-14)	b_{16}^{+4}(-173)	y_4(-32) y_9^{+2}(-60) PPISG(-87)	y_5-NH_3(5.0) y_{10}-NH_3^{+2}(-57) PPPIS(-120)	b_{13}^{+3}(-27)		y_{10}^{+2}(-33)	y_5(-48) PPISGG(-97) b_{19}^{+4}(-103)
528.2707	**560.6163**	**592.9685**	**596.2523**	**617.5625**	**622.0554**	**630.6575**	**659.6709**	**699.8519**	**709.3195**
b_{14}^{+3}(-23)	b_{15}^{+3}(-31)	b_{16}^{+3}(-27)	y_6(-44) KREEA-H_2O(-105)	MH-H_2O^{+4}(-23)	MH^{+4}(-38)	b_{17}^{+3}(-34)	b_{18}^{+3}(-29)		y_7(-61)
729.3653	**743.3608**	**745.7106**	**791.8789**	**800.2521**	**806.3649**	**811.4088**	**864.3668**	**903.4102**	**945.4624**
PPISGGGY(12) a_{13}^{+2}(-43) RPAPPPI(-103) LRPAPPP(-103)	b_{13}^{+2}(-45)	y_{21}^{+3}(-37)	b_{14}^{+2}(-52)	y_{22}^{+3}(200)	y_8(-63)	y_{16}^{+2}(-43)	b_7(-63)	y_9(-64)	b_{17}^{+2}(-56)

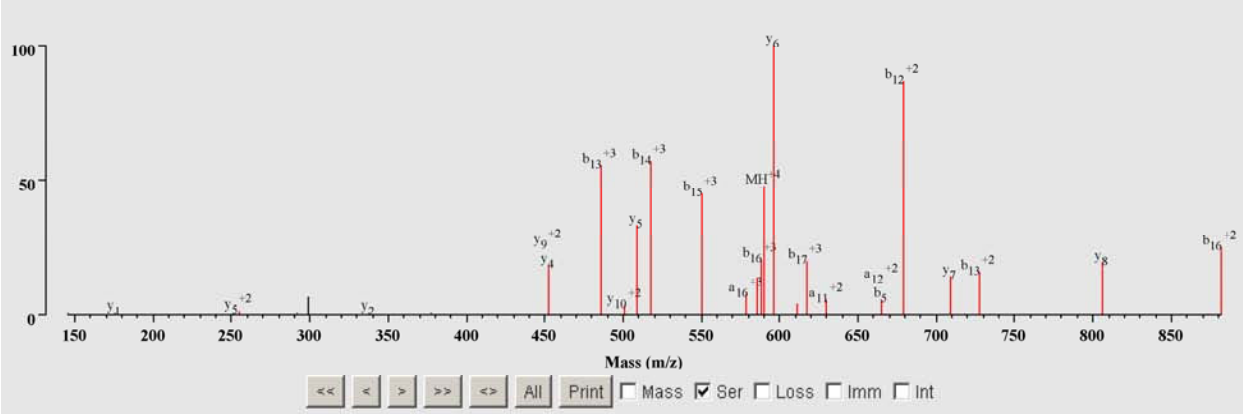
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	23	---	---
251.1026	---	2	**Y**	22	2398.2626	1199.6349
379.1976	190.1024	3	**K**	21	2235.1993	1118.1033
535.2987	268.1530	4	**R**	20	2107.1043	1054.0558
664.3413	332.6743	5	**E**	19	1951.0032	976.0052
793.3839	397.1956	6	**E**	18	1821.9606	911.4839
864.4210	432.7141	7	**A**	17	1692.9180	846.9626
961.4738	481.2405	8	**P**	16	1621.8809	811.4441
1048.5058	524.7565	9	**S**	15	1524.8281	762.9177
1161.5899	581.2986	10	**L**	14	1437.7961	719.4017
1317.6910	659.3491	11	**R**	13	1324.7120	662.8597
1414.7437	707.8755	12	**P**	12	1168.6109	584.8091
1485.7809	743.3941	13	**A**	11	1071.5582	536.2827
1582.8336	791.9204	14	**P**	10	1000.5211	500.7642

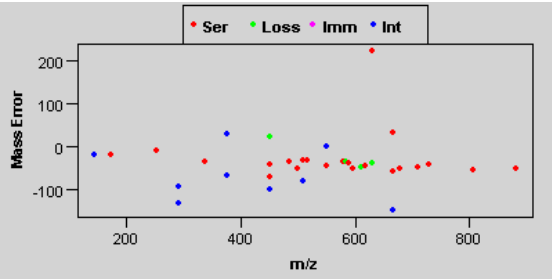
1679.8864	840.4468	15	**P**	9	903.4683	452.2378
1776.9391	888.9732	16	**P**	8	806.4155	403.7114
1890.0232	945.5152	17	**I**	7	709.3628	355.1850
1977.0552	989.0313	18	**S**	6	596.2787	298.6430
2034.0767	1017.5420	19	**G**	5	509.2467	255.1270
2091.0982	1046.0527	20	**G**	4	452.2252	226.6162
2148.1196	1074.5635	21	**G**	3	395.2037	198.1055
2311.1830	1156.0951	22	**Y**	2	338.1823	169.5948
---	---	23	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYREEAPSLRPAPPPISGGGYR^{+4}



Max Intensity: **273**
Num Matched: **26/27 (3.7% unmatched)** Matched Intensity: **98.9%** Matched Series Intensity: **98.8%**



Sequence SYREEAPSLRPAPPPISGGGYR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C104 H162 N31 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2358.6351	2357.1997	1179.8213	1179.1035	786.8833	786.4047	590.4143	590.0554

[–] Peak Matches

145.0580	175.1158	255.1250	292.1386	299.1339	338.1705	377.2293	452.2063	485.5674	500.7387
SG(-19)	y_1(-18)	y_5^{+2}(-7.7)	PPP(-92) YR-28(-131)		y_2(-35)	PPIS-H_2O(29) PPPI-28(-67)	b_8-NH_3^{+2}(23) y_4(-42) y_9^{+2}(-70) PPISG(-97)	b_{13}^{+3}(-35)	y_{10}^{+2}(-51)
509.2308	**517.9187**	**550.2627**	**578.6288**	**585.5334**	**587.9588**	**590.0328**	**596.2490**	**610.9597**	**616.9652**
y_5(-31) PPISGG(-80)	b_{14}^{+3}(-32)	YREE-28(1.3) b_{15}^{+3}(-43)	a_{16}^{+3}(-35)	MH-H_2O^{+4}(-33)	b_{16}^{+3}(-38)	MH^{+4}(-38)	y_6(-50)	b_{17}-H_2O^{+3}(-46)	b_{17}^{+3}(-43)
629.9713	**665.3118**	**679.3134**	**709.3286**	**727.8426**	**806.3734**	**881.4228**			
a_{11}^{+2}(223) b_{18}-H_2O^{+3}(-38)	b_5(34) a_{12}^{+2}(-56) APSLRPA-28(-147)	b_{12}^{+2}(-49)	y_7(-48)	b_{13}^{+2}(-42)	y_8(-52)	b_{16}^{+2}(-51)			

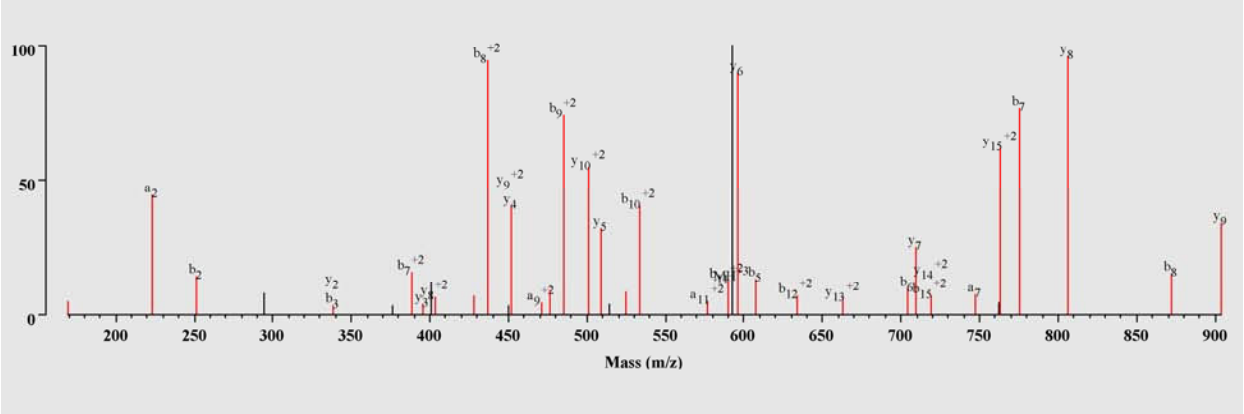
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	22	---	---
251.1026	---	2	Y	21	2270.1676	1135.5875
407.2037	204.1055	3	R	20	2107.1043	1054.0558
536.2463	268.6268	4	E	19	1951.0032	976.0052
665.2889	333.1481	5	E	18	1821.9606	911.4839
736.3260	368.6667	6	A	17	1692.9180	846.9626
833.3788	417.1930	7	P	16	1621.8809	811.4441
920.4108	460.7091	8	S	15	1524.8281	762.9177
1033.4949	517.2511	9	L	14	1437.7961	719.4017
1189.5960	595.3016	10	R	13	1324.7120	662.8597
1286.6488	643.8280	11	P	12	1168.6109	584.8091
1357.6859	679.3466	12	A	11	1071.5582	536.2827
1454.7387	727.8730	13	P	10	1000.5211	500.7642
1551.7914	776.3993	14	P	9	903.4683	452.2378
1648.8442	824.9257	15	P	8	806.4155	403.7114
1761.9282	881.4678	16	I	7	709.3628	355.1850
1848.9603	924.9838	17	S	6	596.2787	298.6430

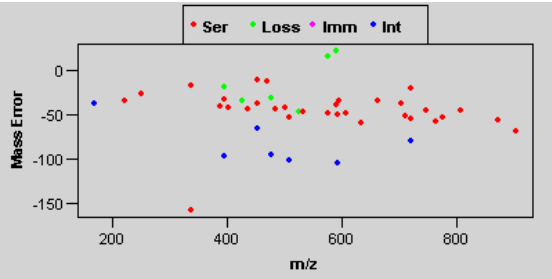
1905.9817	953.4945	18	**G**	5	509.2467	255.1270
1963.0032	982.0052	19	**G**	4	452.2252	226.6162
2020.0247	1010.5160	20	**G**	3	395.2037	198.1055
2183.0880	1092.0476	21	**Y**	2	338.1823	169.5948
---	---	22	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLRPAPPPISGGGYR^{+3}



Max Intensity: **69.7**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **87.4%** Matched Series Intensity: **87.2%**



Sequence: SYSLRPAPPPISGGGYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H124 N23 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1776.0173	1774.9235	888.5124	887.9654	592.6774	592.3127

[–] Peak Matches

169.0909	223.1000	251.0959	294.1008	338.1288	376.2080	388.1931	395.1906	401.2016	403.6944
AP(-37) PA(-37)	YS-28(-35) a_2(-35)	YS(-27) b_2(-27)		b_3(-17) y_2(-158)		b_7^{+2}(-40)	y_8-NH_3^{+2}(-19) y_3(-33) PPIS(-97)		y_8^{+2}(-42)
427.7150	**436.7162**	**449.7243**	**452.2204**	**471.2580**	**476.2408**	**485.2401**	**500.7429**	**509.2199**	**514.2638**
b_8-H_2O^{+2}(-34)	b_8^{+2}(-43)		y_4(-11) y_9^{+2}(-38) PPISG(-66)	a_9^{+2}(-12)	b_9-H_2O^{+2}(-32) APPPI(-96)	b_9^{+2}(-44)	y_{10}^{+2}(-42)	y_5(-53) PPISGG(-102)	
524.7578	**533.7627**	**576.3046**	**590.3064**	**592.2832**	**592.7892**	**596.2587**	**607.2903**	**633.8086**	**662.8364**
b_{10}-H_2O^{+2}(-47)	b_{10}^{+2}(-47)	y_{12}-NH_3^{+2}(15) a_{11}^{+2}(-48)	b_5-NH_3(22) b_{11}^{+2}(-39)	MH^{+3}(-50) APPPISG-28(-105)		y_6(-34)	b_5(-49)	b_{12}^{+2}(-59)	y_{13}^{+2}(-35)
704.3467	**709.3260**	**719.3627**	**747.3815**	**762.3296**	**762.8732**	**775.3689**	**806.3795**	**872.4128**	**903.4064**
b_6(-37)	y_7(-52)	b_{15}^{+2}(-21) y_{14}^{+2}(-54) SLRPAPP(-79)	a_7(-45)		y_{15}^{+2}(-58)	b_7(-53)	y_8(-45)	b_8(-57)	y_9(-69)

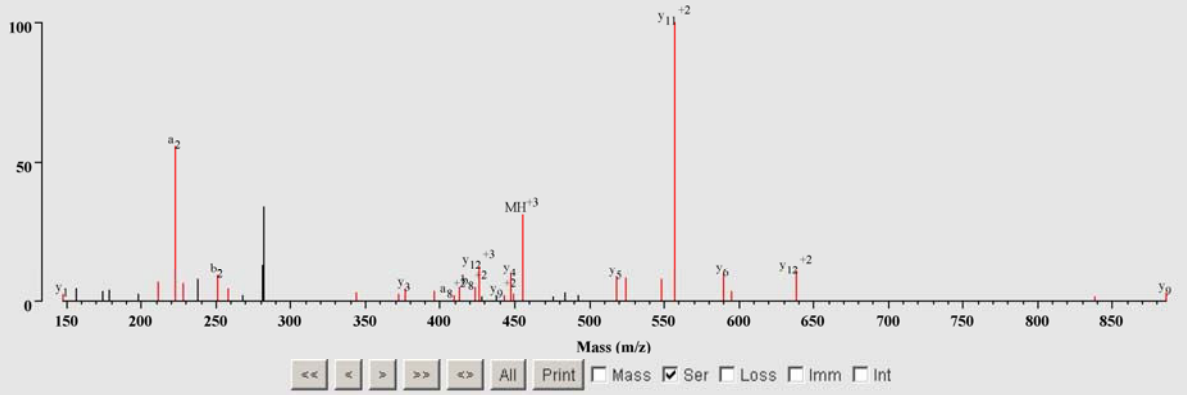
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 17	---	---
251.1026	---	2	Y 16	1687.8915	844.4494
338.1347	---	3	S 15	1524.8281	762.9177
451.2187	---	4	L 14	1437.7961	719.4017
607.3198	304.1636	5	R 13	1324.7120	662.8597
704.3726	352.6899	6	P 12	1168.6109	584.8091
775.4097	388.2085	7	A 11	1071.5582	536.2827
872.4625	436.7349	8	P 10	1000.5211	500.7642
969.5152	485.2613	9	P 9	903.4683	452.2378
1066.5680	533.7876	10	P 8	806.4155	403.7114
1179.6521	590.3297	11	I 7	709.3628	355.1850
1266.6841	633.8457	12	S 6	596.2787	298.6430
1323.7056	662.3564	13	G 5	509.2467	255.1270
1380.7270	690.8672	14	G 4	452.2252	226.6162

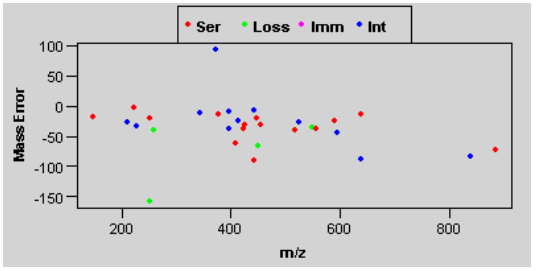
1437.7485	719.3779	15	**G**	3	395.2037	198.1055
1600.8118	800.9095	16	**Y**	2	338.1823	169.5948
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYARPAKAAATQK^{+3}



Max Intensity: **13.7**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **79.7%** Matched Series Intensity: **78.7%**



Sequence SYARPAKAAATQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C59 H100 N19 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1363.5688	1362.7488	682.2881	681.8781	455.1946	454.9211

[–] **Peak Matches**

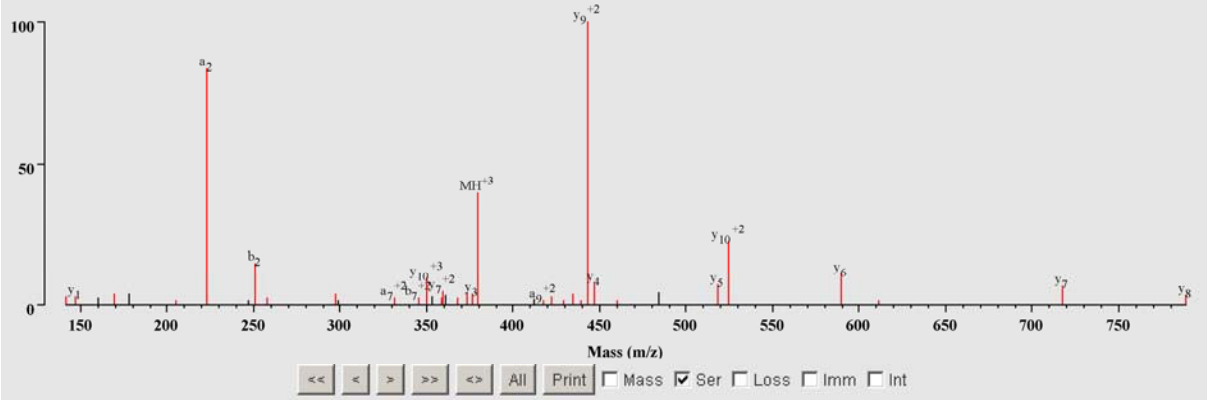
147.1100	156.0967	174.1054	178.0801	198.1093	211.1130	223.1070	228.1378	238.0856	251.0974
y_1(-19)					AR-NH_3(-28)	a_2(-3.2)	AR(-34)		b_2(-21) y_5-NH_3^{+2}(-158)
258.1344	**268.1077**	**281.1348**	**282.1226**	**344.1891**	**372.2225**	**376.2135**	**396.2203**	**409.2122**	**413.2405**
y_2-NH_3(-40)				AATQ-28(-11)	AATQ(93)	y_3(-15)	AKAAA-NH_3(-9.7) ARPA(-38)	a_8^{+2}(-62)	AKAAA(-25)
423.2193	**425.8967**	**428.2475**	**437.1910**	**443.2213**	**447.2471**	**448.8878**	**454.9071**	**475.2190**	**483.7569**
b_8^{+2}(-37)	y_{12}^{+3}(-32)			AAATQ(-8.1) KAAAT(-90) y_9^{+2}(-90)	y_4(-20)	MH-H_2O^{+3}(-66)	MH^{+3}(-31)		
492.7593	**518.2720**	**524.3156**	**547.8057**	**556.8088**	**589.3158**	**595.3412**	**638.3537**	**838.4187**	**885.4509**
	y_5(-41)	ARPAK(-28) RPAKA(-28)	y_{11}-H_2O^{+2}(-35)	y_{11}^{+2}(-39)	y_6(-25)	RPAKAA(-44) ARPAKA(-44)	y_{12}^{+2}(-13) ARPAKAA-28(-88) RPAKAAA-28(-88)	ARPAKAAAT(-84)	y_9(-73)

[–] **Main Sequence Ions**

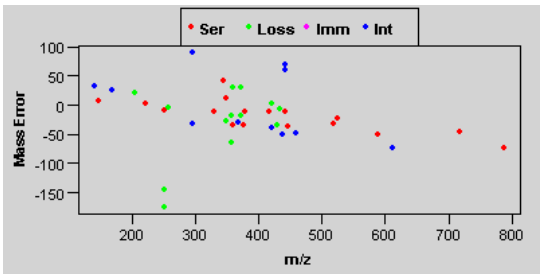
b	b^{+2}			y	y^{+2}
---	---	1	S 13	---	---
251.1026	---	2	Y 12	1275.7168	638.3620
322.1397	---	3	A 11	1112.6535	556.8304
478.2409	239.6241	4	R 10	1041.6164	521.3118
575.2936	288.1504	5	P 9	885.5152	443.2613
646.3307	323.6690	6	A 8	788.4625	394.7349
774.4257	387.7165	7	K 7	717.4254	359.2163
845.4628	423.2350	8	A 6	589.3304	295.1688
916.4999	458.7536	9	A 5	518.2933	259.6503
987.5370	494.2722	10	A 4	447.2562	224.1317
1088.5847	544.7960	11	T 3	376.2191	188.6132
1216.6433	608.8253	12	Q 2	275.1714	138.0893
---	---	13	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYPAKAAATQK^{+3}



Max Intensity: **118**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **93.7%** Matched Series Intensity: **93.3%**



Sequence SYPAKAAATQK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C50 H83 N14 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1136.3009	1135.6106	568.6542	568.3089	379.4386	379.2084

[–] **Peak Matches**

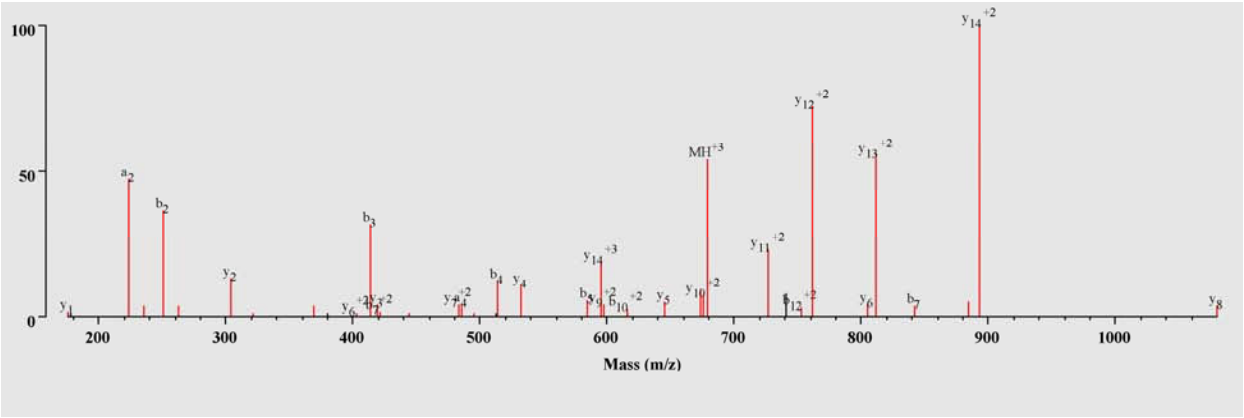
141.1069	147.1140	160.0769	169.1015	178.0894	205.1013	223.1084	247.1424	251.1006	258.1434
PA-28(33)	y_1(8.1)		PA(26)		a_2-H_2O(20)	a_2(3.1)		b_2(-8.1) y_5-NH_3^{+2}(-145) a_5-H_2O^{+2}(-175)	y_2-NH_3(-5.5)
297.1825	**299.1631**	**331.1830**	**345.1988**	**350.2014**	**353.1848**	**358.1856**	**359.2037**	**361.2009**	**368.2184**
AAAT-H_2O(90) PAK(-32)		a_7^{+2}(-12)	b_7^{+2}(41)	y_{10}^{+3}(11) y_7-H_2O^{+2}(-28)		a_8-NH_3^{+2}(-19) y_3-H_2O(-64)	y_3-NH_3(31) y_7^{+2}(-35)		PAKA(-29)
373.1981	**376.2060**	**379.2039**	**411.7223**	**417.2247**	**422.2229**	**429.2307**	**434.2528**	**439.2445**	**442.6864**
a_4-H_2O(30) MH-H_2O^{+3}(-18)	y_3(-35)	MH^{+3}(-12)		a_9^{+2}(-11)	b_9-H_2O^{+2}(3.1) PAKAA-NH_3(-40)	y_4-H_2O(-35)	y_9-H_2O^{+2}(-7.3)	PAKAA(-50)	
443.2561	**447.2398**	**460.2334**	**484.2411**	**518.2761**	**524.7812**	**589.3010**	**611.3063**	**717.3925**	**788.4048**
AAATQ(70) YPAK-NH_3(61) KAAAT(-12) y_9^{+2}(-12)	y_4(-37)	YPAK(-48)		y_5(-33)	y_{10}^{+2}(-22)	y_6(-50)	PAKAAAT(-73)	y_7(-46)	y_8(-73)

[–] **Main Sequence Ions**

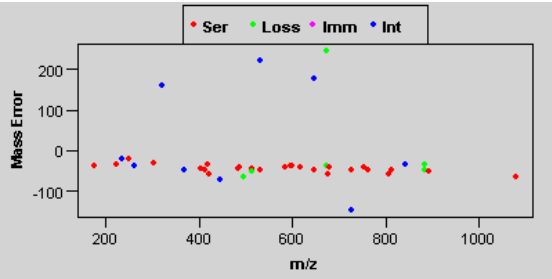
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1048.5786	524.7929
348.1554	---	3	**P**	9	885.5152	443.2613
419.1925	---	4	**A**	8	788.4625	394.7349
547.2875	274.1474	5	**K**	7	717.4254	359.2163
618.3246	309.6659	6	**A**	6	589.3304	295.1688
689.3617	345.1845	7	**A**	5	518.2933	259.6503
760.3988	380.7030	8	**A**	4	447.2562	224.1317
861.4465	431.2269	9	**T**	3	376.2191	188.6132
989.5051	495.2562	10	**Q**	2	275.1714	138.0893
---	---	11	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYVATRDNC(Carbamidomethyl)C(Carbamidomethyl)ILDER^{+3}



Max Intensity: **97.4**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.0%** Matched Series Intensity: **97.7%**



Sequence: SYYVATRDNC(Carbamidomethyl)C(Carbamidomethyl)ILDER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C84 H132 N25 O30 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2035.9328	2034.9008	1018.4701	1017.9540	679.3159	678.9718

[–] Peak Matches

175.1121	178.0814	223.1000	235.1392	251.0974	263.1289	304.1520	321.1199	369.1341	380.1871
y_1(-39)		a_2(-35)	YV-28(-21)	b_2(-21)	YV(-38)	y_2(-31)	C(Carbamidomethyl)C(Carbamidomethyl)(160)	RDN-NH_3(-48)	
403.1792	**414.1452**	**419.1736**	**421.1892**	**444.1882**	**483.1909**	**485.2192**	**495.1909**	**512.2505**	**513.2106**
y_6^{+2}(-45)	b_3(-50)	y_3(-36)	b_7^{+2}(-58)	ATRD(-72)	y_7^{+2}(-45)	a_4(-42)	b_4-H_2O(-66)		b_4(-46) a_9-NH_3^{+2}(-53)
532.2464	**584.2471**	**595.5837**	**597.7243**	**615.7387**	**645.3254**	**672.9423**	**675.7588**	**678.9435**	**726.2860**
DNC(Carbamidomethyl)C(Carbamidomethyl)-H_2O(223) y_4(-49)	b_5(-42)	y_{14}^{+3}(-39)	y_9^{+2}(-39)	b_{10}^{+2}(-41)	DNC(Carbamidomethyl)C(Carbamidomethyl)I-H_2O(176) y_5(-48)	a_{11}-H_2O^{+2}(246) MH-H_2O^{+3}(-39)	y_{10}^{+2}(-58)	MH^{+3}(-42)	y_{11}^{+2}(-49) YYVATR-28(-148)
740.3608	**752.2898**	**761.8045**	**805.3391**	**811.3340**	**841.3918**	**883.8690**	**884.3502**	**892.8586**	**1079.3912**
	b_{12}^{+2}(-42)	y_{12}^{+2}(-47)	y_6(-60)	y_{13}^{+2}(-50)	b_7(-34) YYVATRD-28(-34)	y_{14}-H_2O^{+2}(-36)	y_{14}-NH_3^{+2}(-48)	y_{14}^{+2}(-53)	y_8(-65)

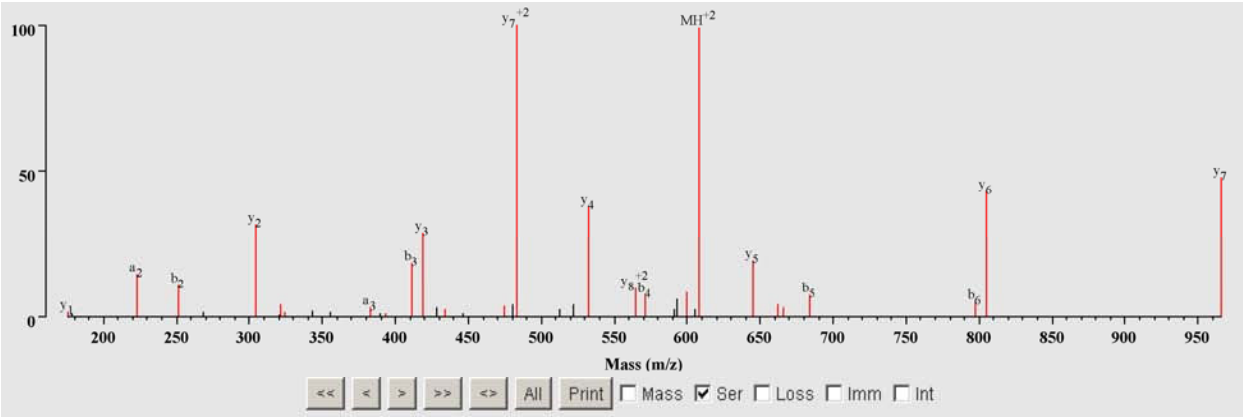
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1947.8688	974.4380
414.1660	---	3	Y	14	1784.8054	892.9064
513.2344	---	4	V	13	1621.7421	811.3747
584.2715	---	5	A	12	1522.6737	761.8405
685.3192	---	6	T	11	1451.6366	726.3219
841.4203	421.2138	7	R	10	1350.5889	675.7981
956.4472	478.7272	8	D	9	1194.4878	597.7475
1070.4901	535.7487	9	N	8	1079.4608	540.2341
1230.5208	615.7640	10	C(Carbamidomethyl)	7	965.4179	483.2126
1390.5514	695.7794	11	C(Carbamidomethyl)	6	805.3873	403.1973
1503.6355	752.3214	12	I	5	645.3566	323.1819
1616.7196	808.8634	13	L	4	532.2726	266.6399
1731.7465	866.3769	14	D	3	419.1885	210.0979
1860.7891	930.8982	15	E	2	304.1615	152.5844

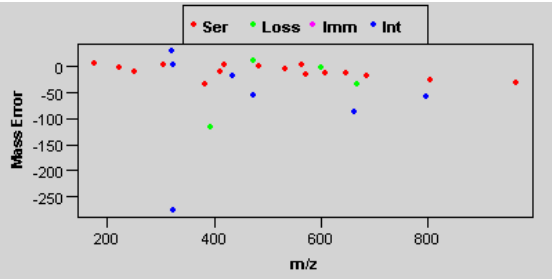
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)C(Carbamidomethyl)ILDER^{+2}



Max Intensity: **17.2**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **93.1%** Matched Series Intensity: **91.5%**



Sequence: SYC(Carbamidomethyl)C(Carbamidomethyl)ILDER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C49 H79 N14 O18 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1216.0549	1215.5133	608.5311	608.2603

[–] Peak Matches

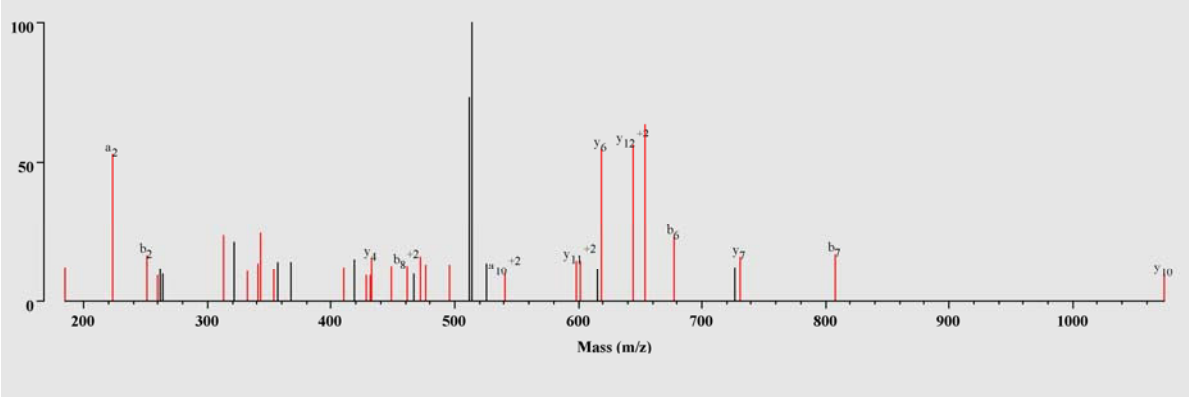
175.1200	178.0779	223.1071	251.1002	268.1182	304.1629	320.1023	321.0783	324.1022	343.1372
y_1(6.0)		a_2(-2.8)	b_2(-9.7)		y_2(4.5)		C(Carbamidomethyl)C(Carbamidomethyl)(30)	YC(Carbamidomethyl)(2.9) ILD-H_2O(-276)	
355.0724	**383.1253**	**389.1394**	**393.0772**	**411.1291**	**419.1893**	**428.1517**	**434.1451**	**446.2809**	**474.2125**
	a_3(-34)		b_3-H_2O(-116)	b_3(-10)	y_3(1.9)		C(Carbamidomethyl)C(Carbamidomethyl)I(-17)		y_7-H_2O^{+2}(11) C(Carbamidomethyl)ILD-28(-54)
480.1643	**483.2134**	**512.7577**	**521.7502**	**522.2713**	**532.2696**	**564.7457**	**571.1555**	**591.2620**	**593.2197**
	y_7^{+2}(1.7)				y_4(-5.5)	y_8^{+2}(2.6)	b_4(-15)		
599.2533	**605.2942**	**608.2525**	**645.3476**	**662.2060**	**666.2157**	**684.2361**	**797.2855**	**805.3653**	**965.3878**
MH-H_2O^{+2}(-2.8)		MH^{+2}(-13)	y_5(-14)	C(Carbamidomethyl)C(Carbamidomethyl)ILD(-87)	b_5-H_2O(-33)	b_5(-17)	b_6(-58) YC(Carbamidomethyl)C(Carbamidomethyl)ILD-28(-58)	y_6(-27)	y_7(-31)

[–] Main Sequence Ions

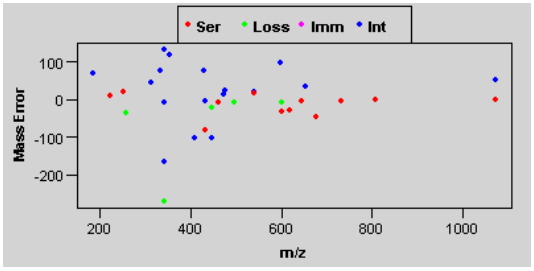
b				y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	1128.4812	564.7443
411.1333	3	C(Carbamidomethyl)	7	965.4179	483.2126
571.1639	4	C(Carbamidomethyl)	6	805.3873	403.1973
684.2480	5	I	5	645.3566	323.1819
797.3321	6	L	4	532.2726	266.6399
912.3590	7	D	3	419.1885	210.0979
1041.4016	8	E	2	304.1615	152.5844
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSKPNMIDAATLK^{+3}



Max Intensity: **1.03**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **65.0%** Matched Series Intensity: **65.0%**



Sequence: SYSKPNMIDAATLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C67 H112 N17 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1539.8018	1538.7883	770.4046	769.8978	513.9389	513.6010

[–] **Peak Matches**

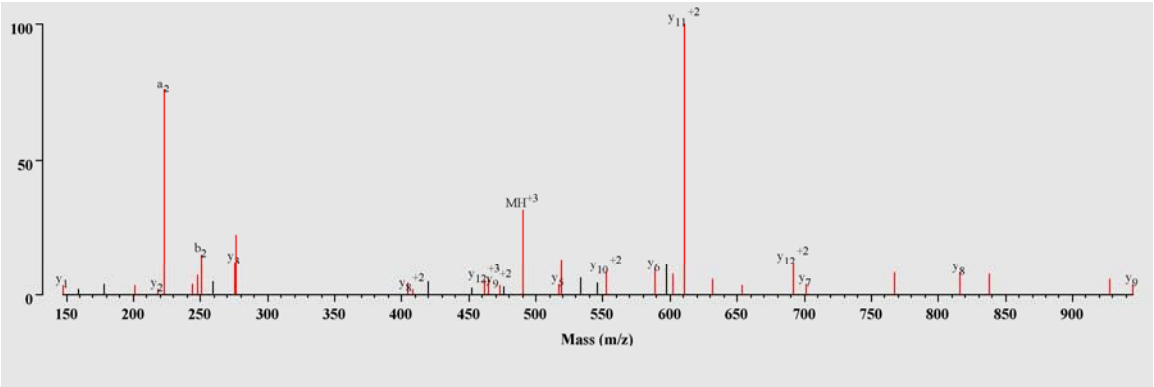
184.1208	223.1099	251.1077	259.1325	261.1000	264.1612	313.2012	321.1224	332.1886	341.1905
PN-28(69)	YS-28(9.8) a_2(9.8)	YS(20) b_2(20)	a_5-H_2O^{+2}(-37)			SKP(45)		MID-28(75)	DAAT-H_2O(132)
343.1407	**353.2237**	**356.2539**	**367.1391**	**410.1607**	**418.2501**	**428.2653**	**431.1943**	**432.2463**	**448.2083**
PNM(-8.0) IDAA-28(-166) y_3-H_2O(-272)	IDAA-H_2O(118)			SKPN-NH_3(-104)		PNMI-28(76)	MIDA(-3.7)	y_4(-82)	b_4-H_2O(-24) YSKP-28(-105)
461.2244	**467.1292**	**472.2464**	**476.2612**	**496.2271**	**511.2608**	**514.3276**	**525.2667**	**540.2710**	**598.3224**
b_8^{+2}(-9.0)		DAATL(13) IDAAT(13)	YSKP(23)	a_9-NH_3^{+2}(-8.5)				SKPNM-H_2O(21) a_{10}^{+2}(15)	NMIDAA-H_2O(95)
601.3146	**615.2066**	**618.3278**	**644.8476**	**654.3511**	**677.2927**	**726.8727**	**731.4266**	**808.3653**	**1073.5630**
y_6-NH_3(-7.6) y_{11}^{+2}(-32)		y_6(-29)	y_{12}^{+2}(-3.9)	SKPNMI-NH_3(35)	b_6(-48)		y_7(-4.3)	b_7(-0.62)	YSKPNMIDAA-H_2O(51) y_{10}(-2.8)

[–] **Main Sequence Ions**

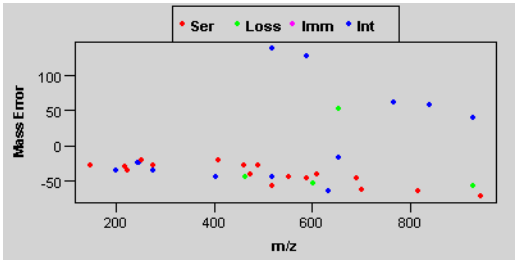
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1451.7563	726.3818
338.1347	---	3	S	12	1288.6929	644.8501
466.2296	233.6185	4	K	11	1201.6609	601.3341
563.2824	282.1448	5	P	10	1073.5660	537.2866
677.3253	339.1663	6	N	9	976.5132	488.7602
808.3658	404.6865	7	M	8	862.4703	431.7388
921.4499	461.2286	8	I	7	731.4298	366.2185
1036.4768	518.7420	9	D	6	618.3457	309.6765
1107.5139	554.2606	10	A	5	503.3188	252.1630
1178.5510	589.7792	11	A	4	432.2817	216.6445
1279.5987	640.3030	12	T	3	361.2445	181.1259
1392.6828	696.8450	13	L	2	260.1969	130.6021
---	---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDC(Carbamidomethyl)QDIANKGAK^{+3}



Max Intensity: **82.3**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **89.0%** Matched Series Intensity: **88.5%**



Sequence: SYDC(Carbamidomethyl)QDIANKGAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H97 N18 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1470.4453	1469.6689	735.7263	735.3381	490.8200	490.5612

[–] Peak Matches

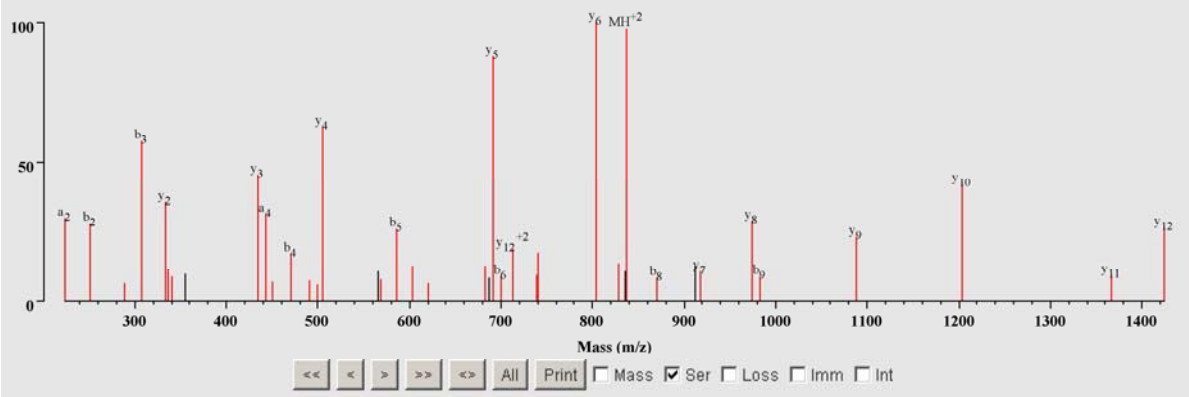
147.1089	159.0750	178.0801	201.1164	218.1435	223.1000	244.0867	248.0638	251.0974	259.0292
y_1(-27)			y_2-NH_3(-35) DI-28(-35)	y_2(-29)	a_2(-35)	QD(-25)	DC(Carbamidomethyl)-28(-25)	YD-28(-21) b_2(-21)	
275.1639	**276.0548**	**404.1052**	**408.7242**	**419.7047**	**452.1983**	**461.5376**	**464.2273**	**472.7425**	**476.2429**
y_3(-27)	DC(Carbamidomethyl)(-36)	DC(Carbamidomethyl)Q(-45) C(Carbamidomethyl)QD(-45)	y_8^{+2}(-20)			y_{12}^{+3}(-28)	y_9-NH_3^{+2}(-45)	y_9^{+2}(-40)	
490.2353	**490.5476**	**517.2792**	**519.1277**	**533.7561**	**545.7521**	**552.7519**	**588.3191**	**597.7845**	**601.7454**
	MH^{+3}(-28)	C(Carbamidomethyl)QDI(139) y_5(-58)	DC(Carbamidomethyl)QD(-44)			y_{10}^{+2}(-45)	C(Carbamidomethyl)QDIA(127) y_6(-46)		y_{11}-NH_3^{+2}(-53)
610.2652	**632.1942**	**653.3148**	**691.7896**	**701.3861**	**767.3496**	**816.4043**	**838.3885**	**927.4353**	**944.4479**
y_{11}^{+2}(-41)	DC(Carbamidomethyl)QDI(-64)	b_{12}-H_2O^{+2}(53) DIANKGA-NH_3(-16) QDIANK-NH_3(-16)	y_{12}^{+2}(-47)	y_7(-63)	YDC(Carbamidomethyl)QDI-28(61)	y_8(-65)	YDC(Carbamidomethyl)QDIA-28(58)	DC(Carbamidomethyl)QDIANK-H_2O(39) y_9-NH_3(-58)	y_9(-72)

[–] Main Sequence Ions

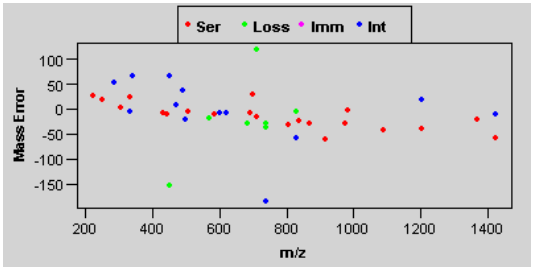
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1382.6369	691.8221
366.1296	---	3	**D**	11	1219.5736	610.2904
526.1602	---	4	**C(Carbamidomethyl)**	10	1104.5466	552.7769
654.2188	---	5	**Q**	9	944.5160	472.7616
769.2457	---	6	**D**	8	816.4574	408.7323
882.3298	---	7	**I**	7	701.4304	351.2189
953.3669	---	8	**A**	6	588.3464	294.6768
1067.4099	---	9	**N**	5	517.3093	259.1583
1195.5048	598.2560	10	**K**	4	403.2663	202.1368
1252.5263	626.7668	11	**G**	3	275.1714	138.0893
1323.5634	662.2853	12	**A**	2	218.1499	109.5786
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGYDNGIIWATWK^{+2}



Max Intensity: **14.0**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **94.7%** Matched Series Intensity: **94.0%**



Sequence SYGYDNGIIWATWK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C80 H109 N18 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1674.8646	1673.7958	837.9360	837.4016

[–] **Peak Matches**

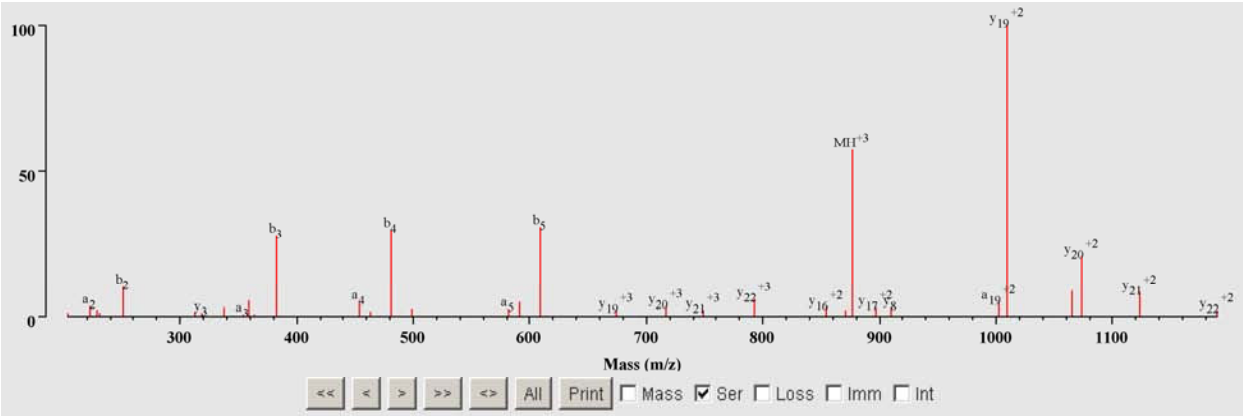
223.1136	251.1073	288.1492	308.1252	333.2005	336.1175	341.1835	355.1679	434.2368	443.1880
a_2(26)	YD-28(19) b_2(19)	TW(52)	GYD-28(3.6) b_3(3.6)	y_2(25)	GYD(-4.5)	ATW-H_2O(66) WAT-H_2O(66)		y_3(-6.9)	a_4(-10)
450.1922	**471.1912**	**490.1745**	**499.1722**	**505.2736**	**566.3581**	**568.1928**	**586.2079**	**603.2368**	**620.2620**
GYDN(67) YDNG(67) y_7-H_2O^{+2}(-152)	b_4(8.0) YGYD-28(8.0)	GYDNG-NH_3(36)	YGYD(-20)	y_4(-6.5)		b_5-H_2O(-19)	b_5(-11)	GYDNGI-NH_3(-6.8)	GYDNGI(-8.8)
683.2116	**687.3462**	**691.3514**	**700.2780**	**712.3424**	**739.2406**	**740.2316**	**804.4140**	**828.3917**	**835.3217**
b_6-NH_3(-28)		y_5(-7.0)	b_6(30)	a_7-NH_3(119) y_{12}^{+2}(-16)	b_7-H_2O(-37) NGIIWAT-NH_3(-185)	b_7-NH_3(-28)	y_6(-33)	MH-H_2O^{+2}(-5.5) GIIWATW(-59)	
837.3804	**870.3373**	**911.9893**	**917.4674**	**974.5179**	**983.4452**	**1088.5419**	**1203.5680**	**1366.6487**	**1423.6177**
MH^{+2}(-25)	b_8(-29)		y_7(-62)	y_8(-29)	b_9(-1.7)	y_9(-43)	YDNGIIWATW-NH_3(18) y_{10}(-40)	y_{11}(-22)	YGYDNGIIWATW-NH_3(-9.9) y_{12}(-58)

[–] **Main Sequence Ions**

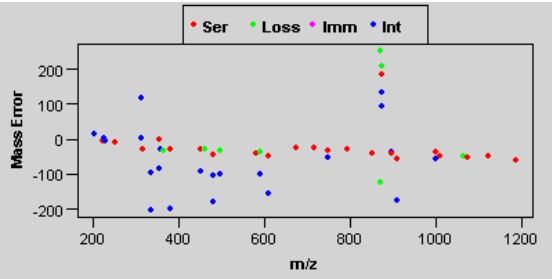
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1586.7638	793.8855
308.1241	3	G	12	1423.7005	712.3539
471.1874	4	Y	11	1366.6790	683.8431
586.2144	5	D	10	1203.6157	602.3115
700.2573	6	N	9	1088.5887	544.7980
757.2788	7	G	8	974.5458	487.7765
870.3628	8	I	7	917.5244	459.2658
983.4469	9	I	6	804.4403	402.7238
1169.5262	10	W	5	691.3562	346.1817
1240.5633	11	A	4	505.2769	253.1421
1341.6110	12	T	3	434.2398	217.6235
1527.6903	13	W	2	333.1921	167.0997
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMVQPQSPVAVSQSKPGC(Carbamidomethyl)YDNGK^{+3}



Max Intensity: **1097**
Num Matched: **35/35 (0.0% unmatched)** Matched Intensity: **100.0%** Matched Series Intensity: **100.0%**



Sequence: SYMVQPQSPVAVSQSKPGC(Carbamidomethyl)YDNGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C112 H176 N31 O38 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2628.7953	2627.2228	1314.9014	1314.1151	876.9367	876.4125

[–] Peak Matches

203.1246	223.1069	228.1346	231.1145	251.1006	313.1876	318.1679	337.1182	354.1476	359.1642
MV-28(16)	a_2(-3.7)	VQ(1.5)	MV(-7.2)	YD-28(-8.1) b_2(-8.1)	QSP(118) PQS(118) SKP(1.8)	y_3(-29)	QPQ-NH_3(-96) SPVA-H_2O(-204)	a_3(-1.7) QPQ(-84)	MVQ(-29)
364.1204	**382.1323**	**453.2035**	**463.1880**	**481.1910**	**498.2161**	**581.2513**	**591.2369**	**609.2397**	**673.6398**
b_3-H_2O(-33)	b_3(-28) PQSP-28(-199)	a_4(-29) VQPQ(-93)	b_4-H_2O(-28)	b_4(-43) QSKPG-NH_3(-103) PQSPV-28(-179)	y_{14}-H_2O^{+3}(-34) QSKPG(-102)	a_5(-41)	b_5-H_2O(-38) YMVQP-28(-100)	b_5(-50) VQPQSP-28(-157) QPQSPV-28(-157) VSQSKP-H_2O(-157)	y_{19}^{+3}(-27)
716.3258	**749.3433**	**793.0244**	**853.8763**	**870.6294**	**876.5760**	**897.3902**	**910.3211**	**1002.4505**	**1009.9341**
y_{20}^{+3}(-26)	y_{21}^{+3}(-32) PQSPVAVS-NH_3(-53)	y_{22}^{+3}(-29)	y_{16}^{+2}(-42)	MH-H_2O^{+3}(253) MH-NH_3^{+3}(-124)	a_8-NH_3(210) MH^{+3}(187) QPQSPVAVS-H_2O(135) PQSPVAVSQ-H_2O(135) PVAVSQSKP-H_2O(94)	AVSQSKPGC(Carbamidomethyl)-H_2O(-38) y_{17}^{+2}(-42)	y_8(-56) MVQPQSPVA-28(-176)	a_{19}^{+2}(-37) YMVQPQSPV-28(-57)	y_{19}^{+2}(-49)
1064.9569	**1065.4480**	**1073.9565**	**1123.4905**	**1188.9973**					
y_{20}-H_2O^{+2}(-48)	y_{20}-NH_3^{+2}(-48)	y_{20}^{+2}(-53)	y_{21}^{+2}(-50)	y_{22}^{+2}(-59)					

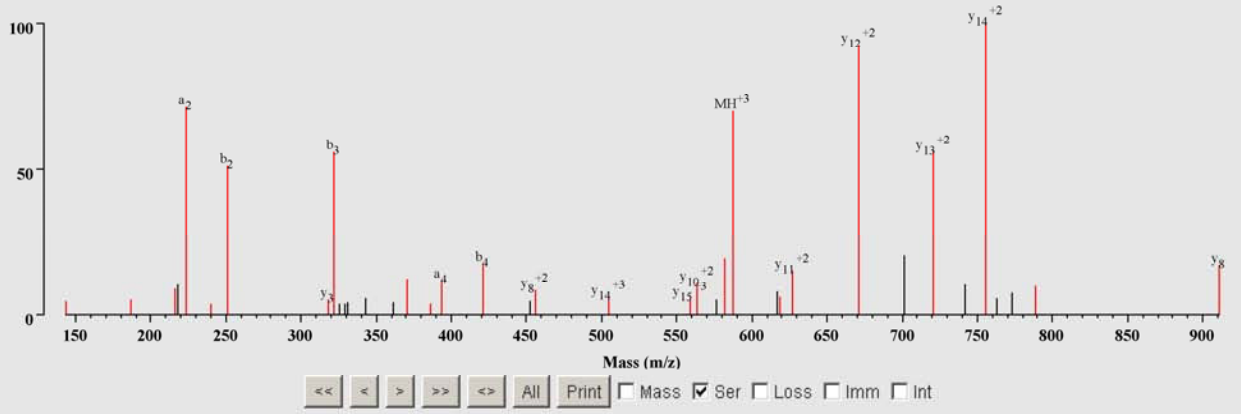
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	24	---	---
251.1026	---	2	Y	23	2540.1908	1270.5990
382.1431	---	3	M	22	2377.1275	1189.0674
481.2115	---	4	V	21	2246.0870	1123.5471
609.2701	---	5	Q	20	2147.0186	1074.0129
706.3229	---	6	P	19	2018.9600	1009.9836
834.3815	---	7	Q	18	1921.9073	961.4573
921.4135	---	8	S	17	1793.8487	897.4280
1018.4662	---	9	P	16	1706.8166	853.9120
1117.5347	---	10	V	15	1609.7639	805.3856
1188.5718	---	11	A	14	1510.6955	755.8514
1287.6402	---	12	V	13	1439.6584	720.3328
1374.6722	---	13	S	12	1340.5899	670.7986
1502.7308	---	14	Q	11	1253.5579	627.2826

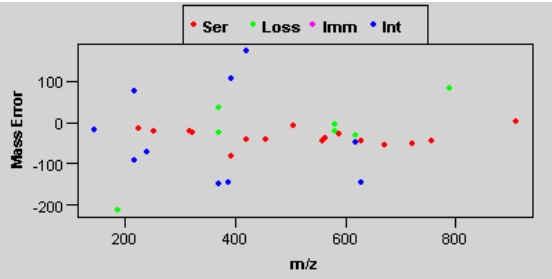
1589.7628	---	15	**S**	10	1125.4993	563.2533
1717.8578	859.4325	16	**K**	9	1038.4673	519.7373
1814.9105	907.9589	17	**P**	8	910.3723	455.6898
1871.9320	936.4696	18	**G**	7	813.3196	407.1634
2031.9627	1016.4850	19	**C(Carbamidomethyl)**	6	756.2981	378.6527
2195.0260	1098.0166	20	**Y**	5	596.2675	298.6374
2310.0529	1155.5301	21	**D**	4	433.2041	217.1057
2424.0959	1212.5516	22	**N**	3	318.1772	159.5922
2481.1173	1241.0623	23	**G**	2	204.1343	102.5708
---	---	24	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVSQSKPGC(Carbamidomethyl)YDNGK^{+3}



Max Intensity: **8.87**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **86.9%** Matched Series Intensity: **84.9%**



Sequence: SYAVSQSKPGC(Carbamidomethyl)YDNGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C74 H114 N21 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1761.7540	1760.7908	881.3807	880.8991	587.9230	587.6018

[–] Peak Matches

143.1154	187.0678	216.1145	218.1380	223.1042	240.1168	251.0974	318.1707	322.1314	325.1005
AV-28(-17)	VS(-213) y_2-NH$_3$(-213)	QS(77) SQ(77) SK(-91)		a_2(-16)	AVS-H$_2$O(-73)	YD-28(-21) b_2(-21)	y_3(-20)	b_3(-26)	
329.1280	**331.1812**	**343.1329**	**361.1410**	**370.1530**	**386.1465**	**393.1819**	**421.1911**	**452.6915**	**455.6704**
				y_6-NH$_3^{+2}$(37) y_{10}-NH$_3^{+3}$(-26) SKPG(-150)	AVSQ(-147)	YDN(105) YAVS-28(-80) a_4(-80)	C(Carbamidomethyl)YD-H$_2$O(174) YAVS(-41) b_4(-41)		y_8^{+2}(-43)
504.2327	**558.5655**	**563.2320**	**575.9434**	**581.5852**	**581.9230**	**587.2660**	**587.5848**	**616.7654**	**618.2588**
y_{14}^{+3}(-7.9)	y_{15}^{+3}(-46)	y_{10}^{+2}(-38)		MH-H$_2$O^{+3}(-22)	MH-NH$_3^{+3}$(-5.6)		MH^{+3}(-29)		y_{11}-H$_2$O^{+2}(-30) b_6-H$_2$O(-48) YAVSQS-H$_2$O(-48)
627.2545	**670.7622**	**701.3510**	**720.2946**	**741.7700**	**755.8163**	**763.3386**	**772.7648**	**788.4071**	**910.3746**
y_{11}^{+2}(-45) VSQSKP(-146)	y_{12}^{+2}(-54)		y_{13}^{+2}(-53)		y_{14}^{+2}(-46)			b_{14}+H$_2$O^{+2}(84)	y_8(2.5)

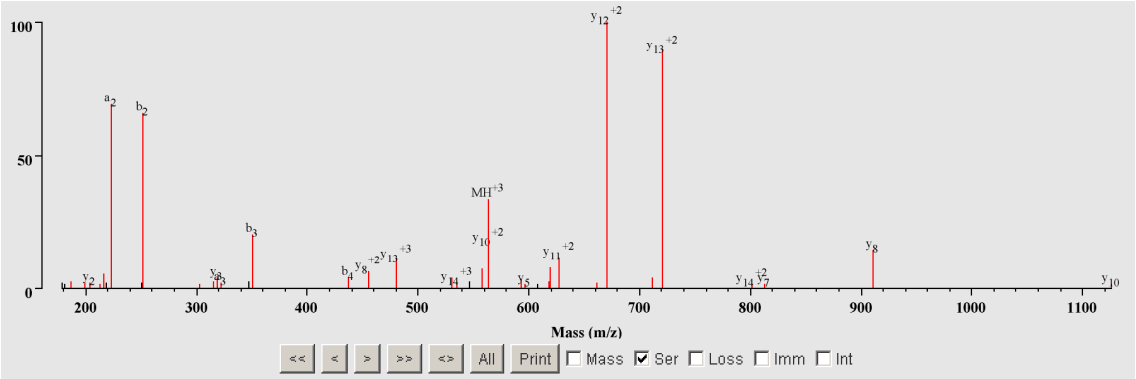
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1673.7588	837.3830
322.1397	---	3	A	14	1510.6955	755.8514
421.2082	---	4	V	13	1439.6584	720.3328
508.2402	---	5	S	12	1340.5899	670.7986
636.2988	---	6	Q	11	1253.5579	627.2826
723.3308	---	7	S	10	1125.4993	563.2533
851.4258	426.2165	8	K	9	1038.4673	519.7373
948.4785	474.7429	9	P	8	910.3723	455.6898
1005.5000	503.2536	10	G	7	813.3196	407.1634
1165.5306	583.2690	11	C(Carbamidomethyl)	6	756.2981	378.6527
1328.5940	664.8006	12	Y	5	596.2675	298.6374
1443.6209	722.3141	13	D	4	433.2041	217.1057
1557.6638	779.3356	14	N	3	318.1772	159.5922
1614.6853	807.8463	15	G	2	204.1343	102.5708

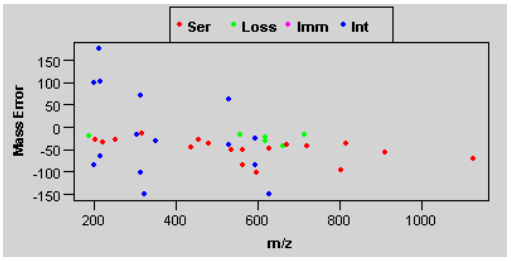
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVSQSKPGC(Carbamidomethyl)YDNGK^{+3}



Max Intensity: **14.7**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **97.2%** Matched Series Intensity: **97.0%**



Sequence: SYVSQSKPGC(Carbamidomethyl)YDNGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C71 H109 N20 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1690.6747	1689.7537	845.8411	845.3805	564.2299	563.9228

[–] **Peak Matches**

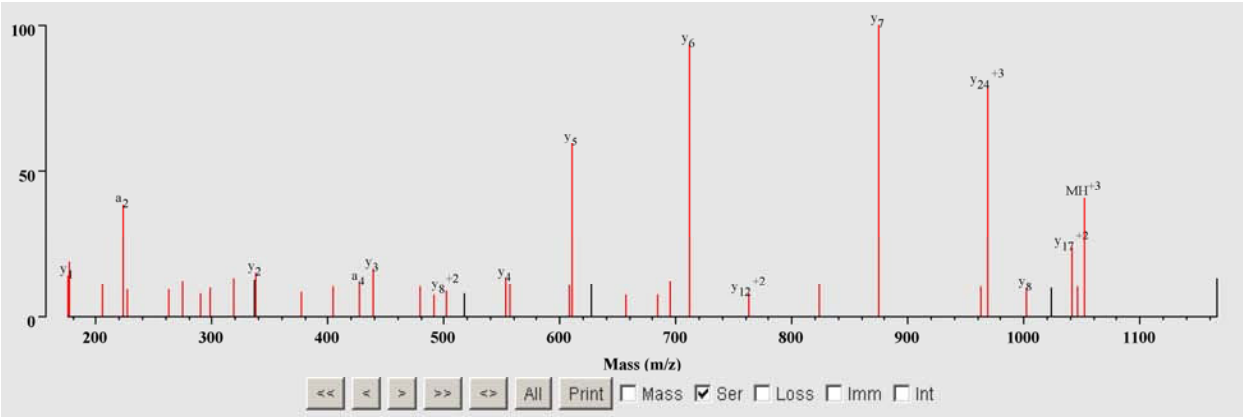
178.0851	181.0641	187.1040	199.0909	204.1286	213.0881	216.1201	218.1338	223.1000	250.0951
		VS(-20) y_2-NH$_3$(-20)	QS-NH$_3$(98) SQ-NH$_3$(98) SK-NH$_3$(-84)	y_2(-28)	DN-NH$_3$(176)	QS(103) SQ(103) SK(-66)		a_2(-35)	
251.0959	**303.1246**	**315.1343**	**318.1724**	**322.1280**	**347.1662**	**350.1598**	**437.1831**	**455.6765**	**480.5401**
YD-28(-27) b_2(-27)	SQS(-18)	PGC(Carbamidomethyl)(70) VSQ(-102)	y_3(-15)	a_3(-149) YVS-28(-149)		b_3(-32) YVS(-32)	b_4(-46)	y_8^{+2}(-29)	y_{13}^{+3}(-36)
530.2723	**534.8849**	**546.2341**	**557.9103**	**563.2252**	**563.8755**	**593.1518**	**596.2074**	**608.2912**	**618.2635**
SKPGC(Carbamidomethyl)(63) VSQSK(-40)	y_{14}^{+3}(-51)		MH-H$_2$O^{+3}(-16)	y_{10}^{+2}(-50)	MH^{+3}(-84)	C(Carbamidomethyl)YDNG-NH$_3$(-24) GC(Carbamidomethyl)YDN-NH$_3$(-24) PGC(Carbamidomethyl)YD(-85)	y_5(-101)		y_{11}-H$_2$O^{+2}(-22)
618.7507	**627.2521**	**661.7648**	**670.7726**	**711.8084**	**720.3022**	**801.7872**	**813.2895**	**910.3204**	**1125.4192**
y_{11}-NH$_3^{+2}$(-30)	y_{11}^{+2}(-49) VSQSKP(-150)	y_{12}-H$_2$O^{+2}(-43)	y_{12}^{+2}(-39)	y_{13}-NH$_3^{+2}$(-16)	y_{13}^{+2}(-43)	y_{14}^{+2}(-96)	y_7(-37)	y_8(-57)	y_{10}(-71)

[–] **Main Sequence Ions**

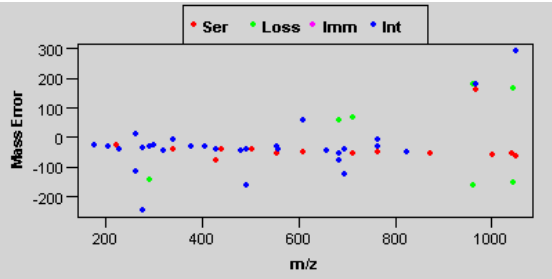
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1602.7217	801.8645
350.1710	---	3	**V**	13	1439.6584	720.3328
437.2031	---	4	**S**	12	1340.5899	670.7986
565.2617	---	5	**Q**	11	1253.5579	627.2826
652.2937	---	6	**S**	10	1125.4993	563.2533
780.3886	390.6980	7	**K**	9	1038.4673	519.7373
877.4414	439.2243	8	**P**	8	910.3723	455.6898
934.4629	467.7351	9	**G**	7	813.3196	407.1634
1094.4935	547.7504	10	**C(Carbamidomethyl)**	6	756.2981	378.6527
1257.5568	629.2821	11	**Y**	5	596.2675	298.6374
1372.5838	686.7955	12	**D**	4	433.2041	217.1057
1486.6267	743.8170	13	**N**	3	318.1772	159.5922
1543.6482	772.3277	14	**G**	2	204.1343	102.5708
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGFNC(Carbamidomethyl)ESKPEAEETC(Carbamidomethyl)FDKYTGNTYR^{+3}



Max Intensity: **411**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **93.2%** Matched Series Intensity: **92.7%**



Sequence: SYGFNC(Carbamidomethyl)ESKPEAEETC(Carbamidomethyl)FDKYTGNTYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C135 H194 N35 O49 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
3155.0491	3153.3201	1578.0282	1577.1637	1052.3546	1051.7782

[–] Peak Matches

175.1146	177.0976	205.0911	223.1014	227.0940	262.0891	275.0713	290.0718	298.1314	319.1252
y_1(-25)	GF-28(-26)	a_2-H_2O(-30) GF(-30)	a_2(-28)	DK-NH_3(-38) PE(-38)	TC(Carbamidomethyl)(13) C(Carbamidomethyl)E-28(13) a_3-H_2O(-113) FN(-113)	NC(Carbamidomethyl)(-35) KY-NH_3(-246)	C(Carbamidomethyl)E(-30) b_3-H_2O(-144)	PEA(-28)	GFN(-47)
336.1530	**338.1688**	**377.1006**	**404.1109**	**427.1652**	**439.2117**	**479.1490**	**491.1347**	**501.7345**	**517.1781**
	KPE-NH_3(-6.6) y_2(-40)	C(Carbamidomethyl)ES(-32)	NC(Carbamidomethyl)E(-31)	PEAE(-40) a_4(-76)	y_3(-42)	GFNC(Carbamidomethyl)(-45)	NC(Carbamidomethyl)ES(-42) DKYT-NH_3(-161)	y_8^{+2}(-38)	
553.2437	**556.2016**	**608.1839**	**610.2652**	**626.7710**	**657.2418**	**684.2829**	**695.2190**	**711.3035**	**763.3020**
ESKPE-H_2O(-32) y_4(-53)	PEAEE(-42)	GFNC(Carbamidomethyl)E(-48)	FNC(Carbamidomethyl)ES-28(59) y_5(-48)		PEAEET(-47)	a_6-NH_3(56) KPEAEE(-54) FDKYTG-28(-76)	GFNC(Carbamidomethyl)ES(-38) FDKYTG-NH_3(-122)	b_6-H_2O(67) y_6(-54)	ETC(Carbamidomethyl)FDK-H_2O(-7.8) DKYTGNT-NH_3(-31) y_{12}^{+2}(-51)
823.2980	**874.3594**	**962.5818**	**968.5682**	**1002.4418**	**1023.2004**	**1040.8936**	**1045.9460**	**1051.7103**	**1165.9331**
GFNC(Carbamidomethyl)ESK(-51)	y_7(-53)	y_{24}-H_2O^{+3}(179) y_{24}-NH_3^{+3}(-162)	C(Carbamidomethyl)FDKYTGN-H_2O(181) YGFNC(Carbamidomethyl)ESK-H_2O(181) y_{24}^{+3}(160)	y_8(-58)		y_{17}^{+2}(-54)	MH-H_2O^{+3}(164) MH-NH_3^{+3}(-150)	PEAEETC(Carbamidomethyl)FD-28(292) MH^{+3}(-65)	

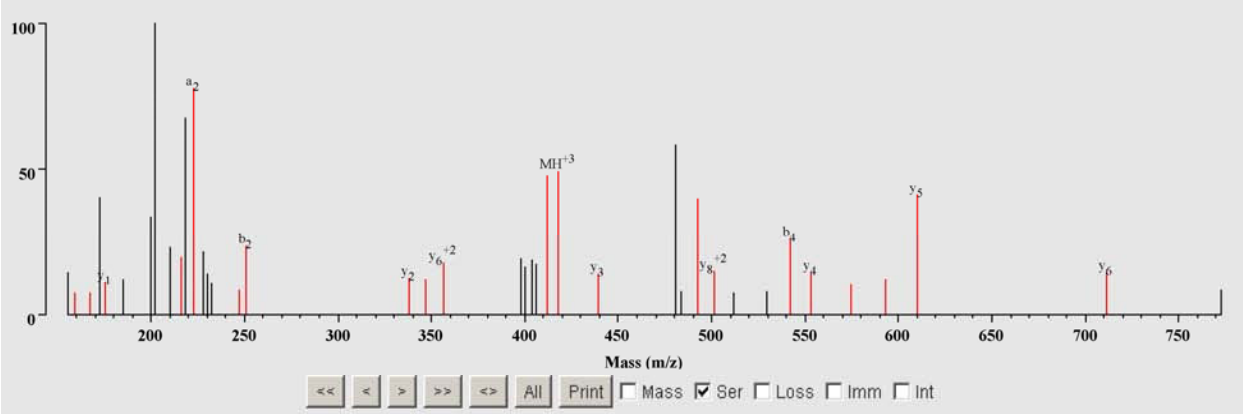
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	26	---	---
251.1026	---	2	**Y**	25	3066.2880	1533.6477
308.1241	---	3	**G**	24	2903.2247	1452.1160
455.1925	---	4	**F**	23	2846.2032	1423.6053
569.2354	---	5	**N**	22	2699.1348	1350.0710
729.2661	---	6	**C(Carbamidomethyl)**	21	2585.0919	1293.0496
858.3087	---	7	**E**	20	2425.0612	1213.0343
945.3407	---	8	**S**	19	2296.0187	1148.5130
1073.4357	537.2215	9	**K**	18	2208.9866	1104.9970

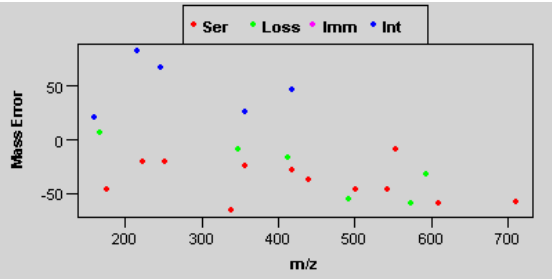
1170.4884	585.7479	10	**P**	17	2080.8917	1040.9495
1299.5310	650.2692	11	**E**	16	1983.8389	992.4231
1370.5681	685.7877	12	**A**	15	1854.7963	927.9018
1499.6107	750.3090	13	**E**	14	1783.7592	892.3832
1628.6533	814.8303	14	**E**	13	1654.7166	827.8619
1729.7010	865.3541	15	**T**	12	1525.6740	763.3406
1889.7317	945.3695	16	**C(Carbamidomethyl)**	11	1424.6263	712.8168
2036.8001	1018.9037	17	**F**	10	1264.5957	632.8015
2151.8270	1076.4171	18	**D**	9	1117.5273	559.2673
2279.9220	1140.4646	19	**K**	8	1002.5003	501.7538
2442.9853	1221.9963	20	**Y**	7	874.4054	437.7063
2544.0330	1272.5201	21	**T**	6	711.3420	356.1747
2601.0544	1301.0309	22	**G**	5	610.2944	305.6508
2715.0974	1358.0523	23	**N**	4	553.2729	277.1401
2816.1451	1408.5762	24	**T**	3	439.2300	220.1186
2979.2084	1490.1078	25	**Y**	2	338.1823	169.5948
---	---	26	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKYTGNTYR^{+3}



Max Intensity: **9.19**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **49.2%** Matched Series Intensity: **43.4%**



Sequence: SYKYTGNTYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H82 N15 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1253.3650	1252.5957	627.1862	626.8015	418.4600	418.2034

[–] Peak Matches

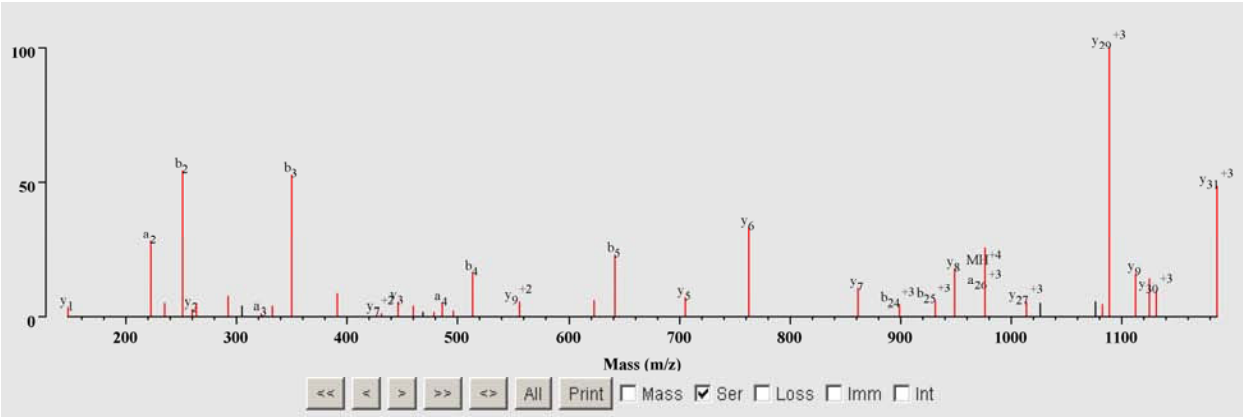
155.1039	159.0798	167.1007	172.1305	175.1108	185.1183	200.1232	202.1404	210.1076	216.1159
	TG(21)	a_3-H_2O^{+2}(6.0)		y_1(-47)					NT(83)
218.1324	**223.1029**	**228.1120**	**230.1319**	**232.1188**	**247.1242**	**251.0974**	**338.1601**	**347.1662**	**356.1657**
	a_2(-21)				YT-H_2O(67) TY-H_2O(67)	b_2(-21)	y_2(-66)	y_6-H_2O^{+2}(-9.1)	TGNT-H_2O(26) y_6^{+2}(-25)
398.2065	**400.1692**	**404.2080**	**406.1796**	**412.1927**	**418.1918**	**439.2137**	**480.7579**	**483.7257**	**492.7215**
				MH-H_2O^{+3}(-17)	GNTY-H_2O(47) YTGN-H_2O(47) MH^{+3}(-28)	y_3(-37)			y_8-H_2O^{+2}(-55)
501.7303	**511.7344**	**529.7341**	**542.2358**	**553.2682**	**574.2458**	**593.2486**	**610.2582**	**711.3010**	**772.3203**
y_8^{+2}(-47)			b_4(-46)	y_4(-8.5)	y_9-H_2O^{+2}(-60)	y_5-NH_3(-32)	y_5(-59)	y_6(-58)	

[–] Main Sequence Ions

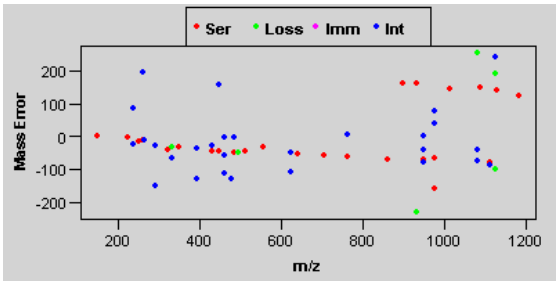
b	b^{+2}				y	y^{+2}
---	---	1	**S**	10	---	---
251.1026	---	2	**Y**	9	1165.5636	583.2855
379.1976	190.1024	3	**K**	8	1002.5003	501.7538
542.2609	271.6341	4	**Y**	7	874.4054	437.7063
643.3086	322.1579	5	**T**	6	711.3420	356.1747
700.3301	350.6687	6	**G**	5	610.2944	305.6508
814.3730	407.6901	7	**N**	4	553.2729	277.1401
915.4207	458.2140	8	**T**	3	439.2300	220.1186
1078.4840	539.7456	9	**Y**	2	338.1823	169.5948
---	---	10	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVYQPQPHPQPPPYGHC(Carbamidomethyl)VTDSGVVYSVGMQWLK^{+4}



Max Intensity: **574**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **97.3%** Matched Series Intensity: **97.2%**



Sequence: SYVYQPQPHPQPPPYGHC(Carbamidomethyl)VTDSGVVYSVGMQWLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C179 H258 N45 O50 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
3904.2801	3901.8465	1952.6438	1951.4269	1302.0983	1301.2870	976.8256	976.2171

[–] Peak Matches

147.1129	223.1069	235.1386	251.0991	260.1940	263.1362	292.1208	305.1425	322.1624	332.1498
y_1(0.65)	YS-28(-3.7) a_2(-3.7)	HP(84) PH(84) YV-28(-23) VY-28(-23)	YS(-14) b_2(-14)	VGM-28(197) y_2(-11)	YV(-11) VY(-11)	YQ(-29) PPP(-153)		YSV-28(-43) VYS-28(-43) a_3(-43)	VYS-H_2O(-32) YSV-H_2O(-32) b_3-H_2O(-32) PHP(-66)
350.1589	**391.1833**	**431.2172**	**446.2557**	**460.2030**	**468.1914**	**478.2042**	**485.2162**	**495.2000**	**513.2106**
YSV(-35) VYS(-35) b_3(-35)	VYQ(-37) GVVY-28(-130)	VVYS-H_2O(-27) VYSV-H_2O(-27) y_7^{+2}(-44)	MQW(157) y_3(-46)	TDSGV(-1.7) VTDSG(-1.7) QPHP(-59) PQPH(-59) HPQP(-59) PHPQ(-59) VYQP-28(-114)		VYSVG-28(-129) SGVVY-28(-129) GVVYS-28(-129)	SVGMQ-H_2O(-3.1) a_4(-48)	b_4-H_2O(-48)	b_4(-46)
556.2667	**623.2503**	**641.2582**	**705.3328**	**762.3493**	**861.4034**	**898.2258**	**931.2546**	**948.4298**	**976.0595**
y_9^{+2}(-31)	b_5-H_2O(-51) QPPPYG-NH_3(-51) YVYQP-28(-110)	b_5(-54)	y_5(-60)	YVYQPQ-NH_3(4.7) y_6(-62)	y_7(-72)	b_{24}^{+3}(163)	b_{25}^{+3}(163) y_8-NH_3(-232)	YSVGMQWL-NH_3(1.5) YQPQPHPQ-28(-41) y_8(-71) PQPHPQPPP-28(-79)	a_{26}^{+3}(-68) MH^{+4}(-161)
976.5394	**1012.9695**	**1026.4093**	**1075.9485**	**1082.4584**	**1088.0226**	**1111.4723**	**1124.7556**	**1130.7032**	**1185.0468**
YQPQPHPQ(78) PQPHPQPPP(40)	y_{27}^{+3}(146)			y_{29}-NH_3^{+3}(255) b_9-H_2O(-43) QPHPQPPPYG-NH_3(-43) YVYQPQPHP-28(-77)	y_{29}^{+3}(151)	y_9(-79) PQPHPQPPPY-28(-86)	PPPYGHC(Carbamidomethyl)VTD(242) y_{30}-H_2O^{+3}(191) y_{30}-NH_3^{+3}(-101)	y_{30}^{+3}(140)	y_{31}^{+3}(125)

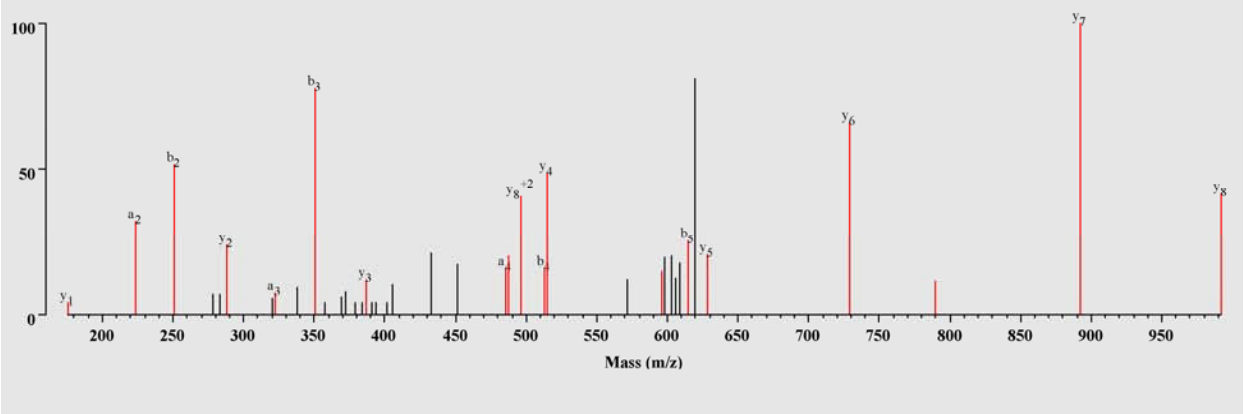
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	34	---	---
251.1026	---	2	Y	33	3814.8145	1907.9109
350.1710	---	3	V	32	3651.7512	1826.3792
513.2344	---	4	Y	31	3552.6827	1776.8450
641.2930	---	5	Q	30	3389.6194	1695.3133
738.3457	---	6	P	29	3261.5608	1631.2841
866.4043	---	7	Q	28	3164.5081	1582.7577
963.4571	---	8	P	27	3036.4495	1518.7284
1100.5160	550.7616	9	H	26	2939.3967	1470.2020
1197.5687	599.2880	10	P	25	2802.3378	1401.6725

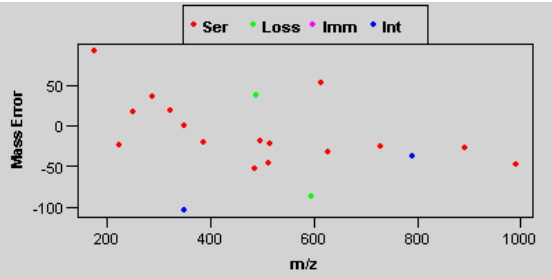
1325.6273	663.3173	11	**Q**	24	2705.2851	1353.1462
1422.6801	711.8437	12	**P**	23	2577.2265	1289.1169
1519.7328	760.3701	13	**P**	22	2480.1737	1240.5905
1616.7856	808.8964	14	**P**	21	2383.1209	1192.0641
1779.8489	890.4281	15	**Y**	20	2286.0682	1143.5377
1836.8704	918.9388	16	**G**	19	2123.0049	1062.0061
1973.9293	987.4683	17	**H**	18	2065.9834	1033.4953
2133.9600	1067.4836	18	**C(Carbamidomethyl)**	17	1928.9245	964.9659
2233.0284	1117.0178	19	**V**	16	1768.8938	884.9506
2334.0760	1167.5417	20	**T**	15	1669.8254	835.4163
2449.1030	1225.0551	21	**D**	14	1568.7777	784.8925
2536.1350	1268.5711	22	**S**	13	1453.7508	727.3790
2593.1565	1297.0819	23	**G**	12	1366.7188	683.8630
2692.2249	1346.6161	24	**V**	11	1309.6973	655.3523
2791.2933	1396.1503	25	**V**	10	1210.6289	605.8181
2954.3566	1477.6820	26	**Y**	9	1111.5605	556.2839
3041.3887	1521.1980	27	**S**	8	948.4971	474.7522
3140.4571	1570.7322	28	**V**	7	861.4651	431.2362
3197.4785	1599.2429	29	**G**	6	762.3967	381.7020
3328.5190	1664.7632	30	**M**	5	705.3752	353.1913
3456.5776	1728.7924	31	**Q**	4	574.3348	287.6710
3642.6569	1821.8321	32	**W**	3	446.2762	223.6417
3755.7410	1878.3741	33	**L**	2	260.1969	130.6021
---	---	34	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVYTIQVLR^{+2}



Max Intensity: **1.49**
Num Matched: **19/40 (52.5% unmatched)** Matched Intensity: **69.4%** Matched Series Intensity: **69.4%**



Sequence SYVYTIQVLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C58 H93 N14 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1242.4695	1241.6888	621.7385	621.3481

[–] **Peak Matches**

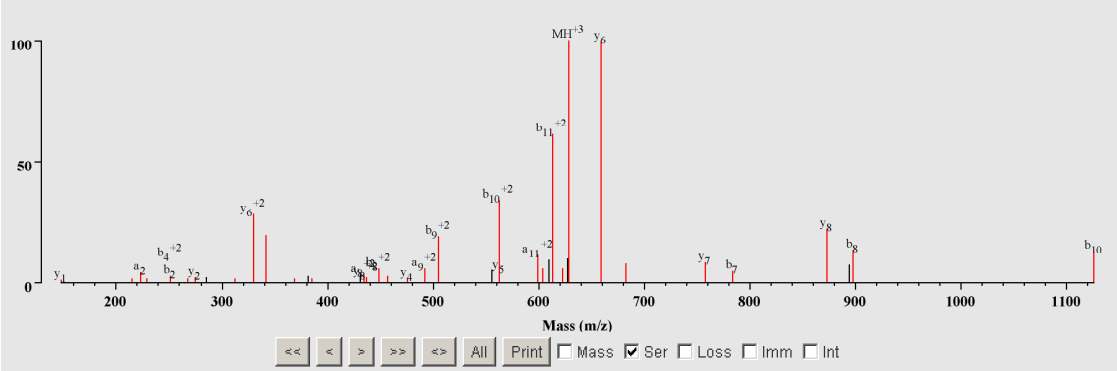
175.1350	**223.1024**	**251.1070**	**278.1644**	**283.1283**	**288.2132**	**320.1517**	**322.1819**	**338.1367**	**350.1711**
y_1(92)	a_2(-24)	b_2(17)			y_2(35)		a_3(18)		b_3(0.15) YTI-28(-104)
357.1851	**369.2218**	**372.2412**	**379.2358**	**384.1725**	**387.2634**	**391.1224**	**393.2215**	**401.1883**	**405.1921**
					y_3(-21)				
433.2004	**451.2581**	**485.2136**	**487.3130**	**496.2912**	**513.2107**	**515.3182**	**571.2508**	**596.2201**	**598.2646**
		a_4(-53)	y_8-H_2O^{+2}(37)	y_8^{+2}(-19)	b_4(-46)	y_4(-23)		b_5-H_2O(-86)	
603.3261	**605.8532**	**608.9015**	**614.3149**	**619.3472**	**628.3933**	**729.4433**	**789.4577**	**892.5012**	**991.5469**
			b_5(53)		y_5(-33)	y_6(-25)	VYTIQVL-28(-37)	y_7(-27)	y_8(-47)

[–] **Main Sequence Ions**

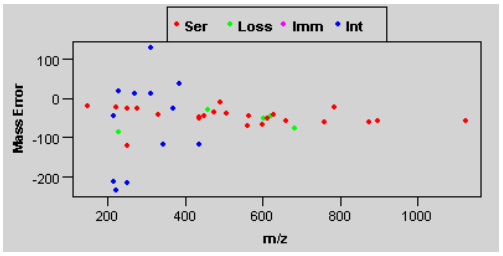
b				y	y^{+2}
---	1	**S**	10	---	---
251.1026	2	**Y**	9	1154.6568	577.8320
350.1710	3	**V**	8	991.5935	496.3004
513.2344	4	**Y**	7	892.5251	446.7662
614.2821	5	**T**	6	729.4618	365.2345
727.3661	6	**I**	5	628.4141	314.7107
855.4247	7	**Q**	4	515.3300	258.1686
954.4931	8	**V**	3	387.2714	194.1394
1067.5772	9	**L**	2	288.2030	144.6051
---	10	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLHGPEILDVPSTVQK^{+3}



Max Intensity: **31.2**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **92.6%** Matched Series Intensity: **90.8%**



Sequence: SYLHGPEILDVPSTVQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C85 H136 N21 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1884.1526	1882.9909	942.5800	941.9991	628.7225	628.3352

[–] **Peak Matches**

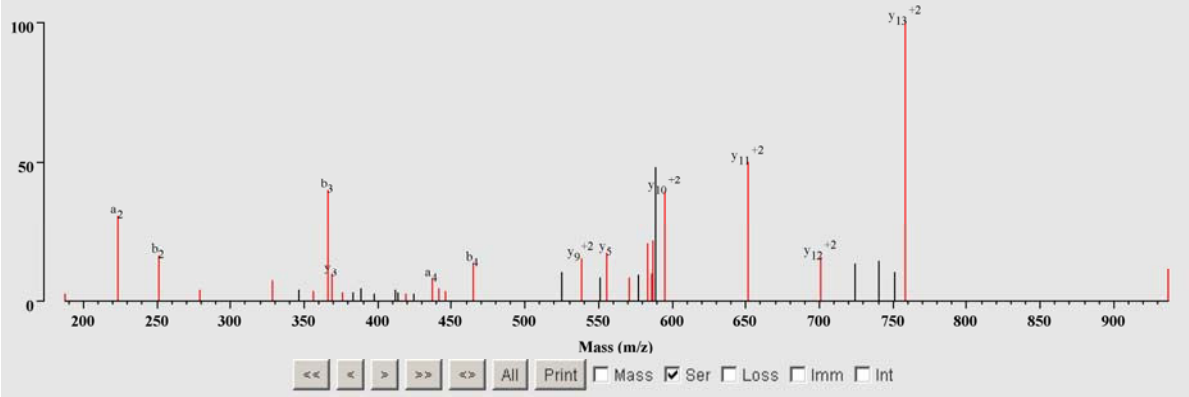
147.1100	215.0931	223.1028	229.1223	251.0959	268.1325	275.1639	285.2117	312.1961	330.1762
y_1(-19)	DV(-44) EI-28(-213)	a_2(-22) LH-28(-235)	LD(18) y_4-H_2O^{+2}(-86)	b_2(-27) b_4^{+2}(-122) LH(-216)	PST-H_2O(12)	y_2(-27)		TVQ-NH_3(130) DVP(130) PEI-28(14)	y_6^{+2}(-41)
342.1624	**369.2032**	**382.1881**	**385.2228**	**431.1726**	**435.2085**	**437.2148**	**449.2066**	**457.2637**	**475.2706**
ILD(-117)	GPEI-28(-27)		PSTV(38) VPST(38)		a_8^{+2}(-48) PEIL-H_2O(-119)	y_8^{+2}(-52)	b_8^{+2}(-45)	y_4-H_2O(-29)	y_4(-36)
491.7668	**505.7491**	**556.2507**	**562.2801**	**563.2567**	**598.7798**	**603.7808**	**610.2932**	**612.7857**	**622.3034**
a_9^{+2}(-9.4)	b_9^{+2}(-39)		y_5(-70)	b_{10}^{+2}(-46)	a_{11}^{+2}(-66)	b_{11}-H_2O^{+2}(-51)		b_{11}^{+2}(-50)	MH-H_2O^{+3}(-45)
627.9610	**628.3097**	**659.3349**	**683.3156**	**758.3943**	**784.3440**	**873.4138**	**894.8817**	**897.3946**	**1125.4933**
	MH^{+3}(-41)	y_6(-57)	y_{13}-NH_3^{+2}(-75)	y_7(-61)	b_7(-23)	y_8(-62)		b_8(-58)	b_{10}(-57)

[–] **Main Sequence Ions**

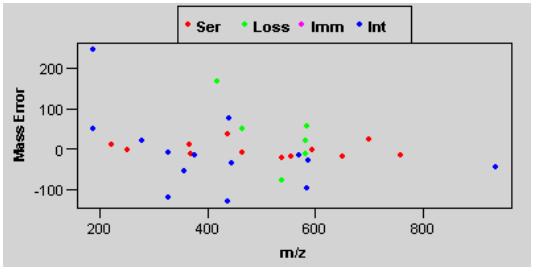
b	b^{+2}			y	y^{+2}
---	---	1	**S** 17	---	---
251.1026	---	2	**Y** 16	1795.9589	898.4831
364.1867	---	3	**L** 15	1632.8955	816.9514
501.2456	251.1264	4	**H** 14	1519.8115	760.4094
558.2671	279.6372	5	**G** 13	1382.7526	691.8799
655.3198	328.1636	6	**P** 12	1325.7311	663.3692
784.3624	392.6849	7	**E** 11	1228.6783	614.8428
897.4465	449.2269	8	**I** 10	1099.6358	550.3215
1010.5306	505.7689	9	**L** 9	986.5517	493.7795
1125.5575	563.2824	10	**D** 8	873.4676	437.2374
1224.6259	612.8166	11	**V** 7	758.4407	379.7240
1321.6787	661.3430	12	**P** 6	659.3723	330.1898
1408.7107	704.8590	13	**S** 5	562.3195	281.6634
1509.7584	755.3828	14	**T** 4	475.2875	238.1474
1608.8268	804.9170	15	**V** 3	374.2398	187.6235
1736.8854	868.9463	16	**Q** 2	275.1714	138.0893
---	---	17	**K** 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDVLLEAC(Carbamidomethyl)C(Carbamidomethyl)ADGHR^{+3}



Max Intensity: **4.80**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **77.3%** Matched Series Intensity: **76.1%**



Sequence: SYDVLLEAC(Carbamidomethyl)C(Carbamidomethyl)ADGHR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H113 N22 O26 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1766.6303	1765.7632	883.8189	883.3853	589.5484	589.2593

[–] **Peak Matches**

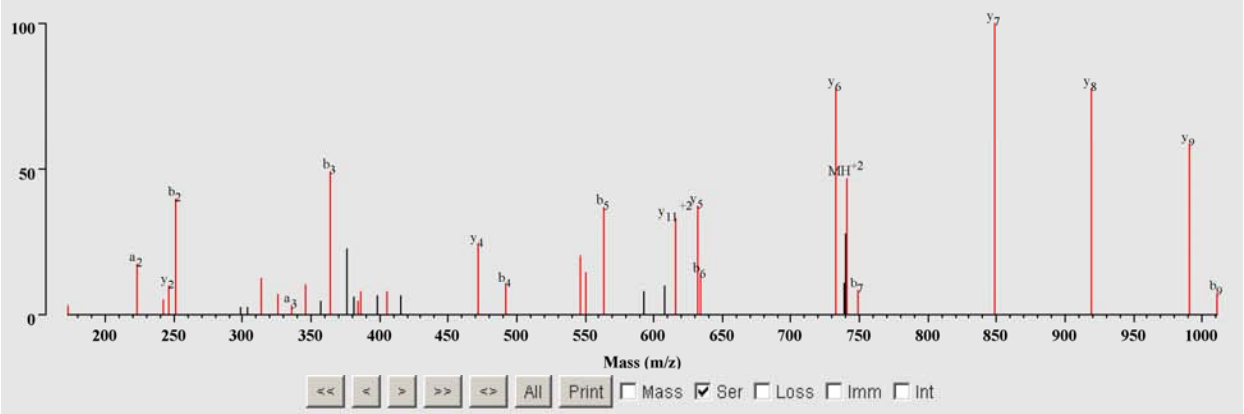
187.1173	223.1099	251.1017	279.1037	328.1835	346.2136	356.1985	366.1333	369.1946	376.1222
AD(246) DV-28(51)	a_2(9.8)	YD-28(-3.7) b_2(-3.7)	YD(22)	DVL(-9.7) LLE-28(-121)		LLE(-55)	b_3(10)	y_3(-13)	C(Carbamidomethyl)ADG-28(-17)
383.1809	**388.2121**	**397.2009**	**412.2025**	**414.1435**	**419.2629**	**424.2227**	**437.2188**	**441.3047**	**446.1909**
					a_4-H_2O(168)		a_4(36) VLLE-H_2O(-130)	DVLL(77)	LEAC(Carbamidomethyl)-28(-36)
465.1942	**525.2580**	**538.1943**	**551.2723**	**555.2524**	**570.3054**	**577.2671**	**583.2490**	**583.5964**	**586.2675**
y_8-NH_3^{+2}(49) b_4(-8.1)		y_9^{+2}(-21) y_5-NH_3(-79)		y_5(-20)	DVLLE(-14)		MH-H_2O^{+3}(-12)	MH-NH_3^{+3}(22)	y_{10}-NH_3^{+2}(56) YDVLL-H_2O(-96)
587.2693	**588.3087**	**594.7466**	**651.2778**	**700.8400**	**724.4075**	**740.3786**	**750.8315**	**758.3263**	**936.4069**
LLEAC(Carbamidomethyl)(-28)		y_{10}^{+2}(-2.1)	y_{11}^{+2}(-19)	y_{12}^{+2}(23)				y_{13}^{+2}(-15)	YDVLLEAC(Carbamidomethyl)-28(-46)

[–] **Main Sequence Ions**

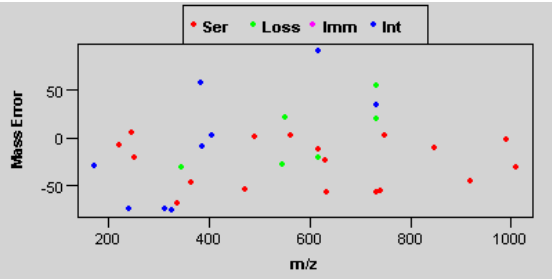
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1678.7312	839.8692
366.1296	---	3	**D**	13	1515.6679	758.3376
465.1980	---	4	**V**	12	1400.6409	700.8241
578.2821	---	5	**L**	11	1301.5725	651.2899
691.3661	---	6	**L**	10	1188.4885	594.7479
820.4087	---	7	**E**	9	1075.4044	538.2058
891.4458	---	8	**A**	8	946.3618	473.6845
1051.4765	---	9	**C(Carbamidomethyl)**	7	875.3247	438.1660
1211.5071	---	10	**C(Carbamidomethyl)**	6	715.2940	358.1507
1282.5442	---	11	**A**	5	555.2634	278.1353
1397.5712	---	12	**D**	4	484.2263	242.6168
1454.5926	---	13	**G**	3	369.1993	185.1033
1591.6516	796.3294	14	**H**	2	312.1779	156.5926
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLQAADTC(Carbamidomethyl)PEVK^{+2}



Max Intensity: **1.46**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **87.6%** Matched Series Intensity: **86.7%**



Sequence: SYLQAADTC(Carbamidomethyl)PEVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H101 N16 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1482.4970	1481.6941	741.7522	741.3507

[–] Peak Matches

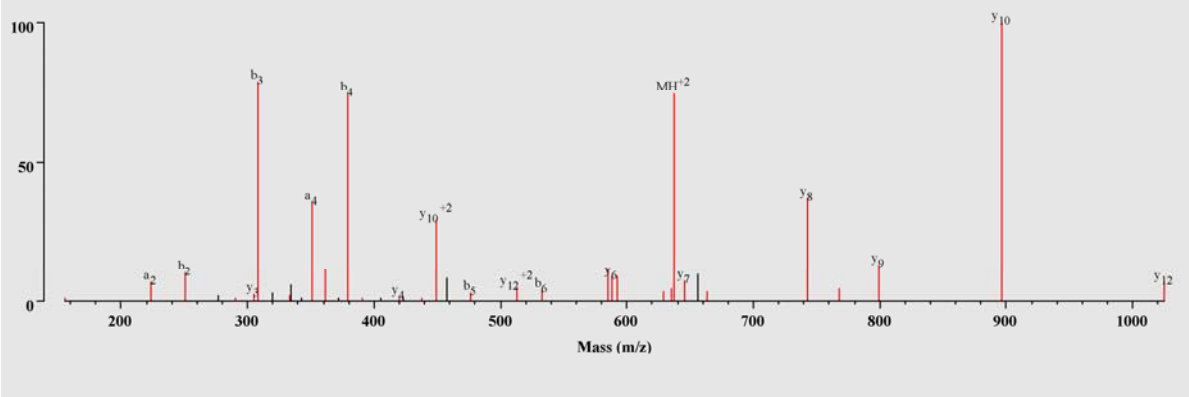
172.1031	223.1060	242.1317	246.1825	251.0973	299.0506	303.1995	313.1639	326.1463	336.1689
QA-28(-29)	a_2(-7.7)	LQ(-75)	y_2(5.2)	b_2(-21)			LQA(-74)	PEV(-76)	a_3(-68)
346.1653	**357.0697**	**364.1694**	**376.2030**	**381.1761**	**384.2462**	**386.1633**	**398.1628**	**405.2140**	**415.1379**
b_3-H_2O(-31)		b_3(-47)			LQAA(57)	QAAD(-9.6)		YLQ(1.9)	
472.2510	**492.2456**	**546.2405**	**550.7671**	**563.2834**	**592.2779**	**608.2624**	**616.2957**	**632.2919**	**634.2832**
y_4(-54)	b_4(0.66)	b_5-NH_3(-28)	y_{10}-H_2O^{+2}(21)	b_5(1.8)			AADTC(Carbamidomethyl)P(91) y_{11}^{+2}(-12) b_6-H_2O(-21)	y_5(-24)	YLQAAD-28(-57) b_6(-57)
732.3602	**733.3134**	**739.2590**	**740.3583**	**741.3090**	**749.3479**	**848.3725**	**919.3777**	**990.4549**	**1010.3932**
b_7-NH_3(55) LQAADTC(Carbamidomethyl)-28(35) MH-H_2O^{+2}(20)	y_6(-57)			MH^{+2}(-56)	b_7(1.9)	y_7(-11)	y_8(-45)	y_9(-1.2)	b_9(-31)

[–] Main Sequence Ions

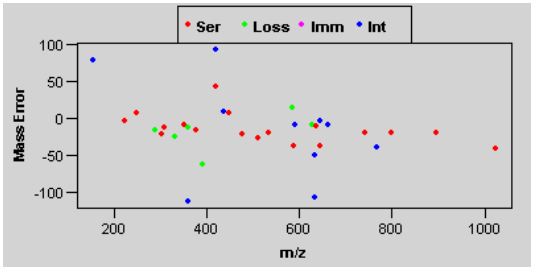
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1394.6620	697.8347
364.1867	3	L	11	1231.5987	616.3030
492.2453	4	Q	10	1118.5146	559.7610
563.2824	5	A	9	990.4561	495.7317
634.3195	6	A	8	919.4190	460.2131
749.3464	7	D	7	848.3818	424.6946
850.3941	8	T	6	733.3549	367.1811
1010.4248	9	C(Carbamidomethyl)	5	632.3072	316.6572
1107.4775	10	P	4	472.2766	236.6419
1236.5201	11	E	3	375.2238	188.1155
1335.5885	12	V	2	246.1812	123.5942
---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGAPGPGPADASK^{+2}



Max Intensity: **17.5**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **93.2%** Matched Series Intensity: **92.1%**



Sequence SYGAPGPGPADASK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C55 H84 N15 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1275.3686	1274.6012	638.1880	637.8042

[–] Peak Matches

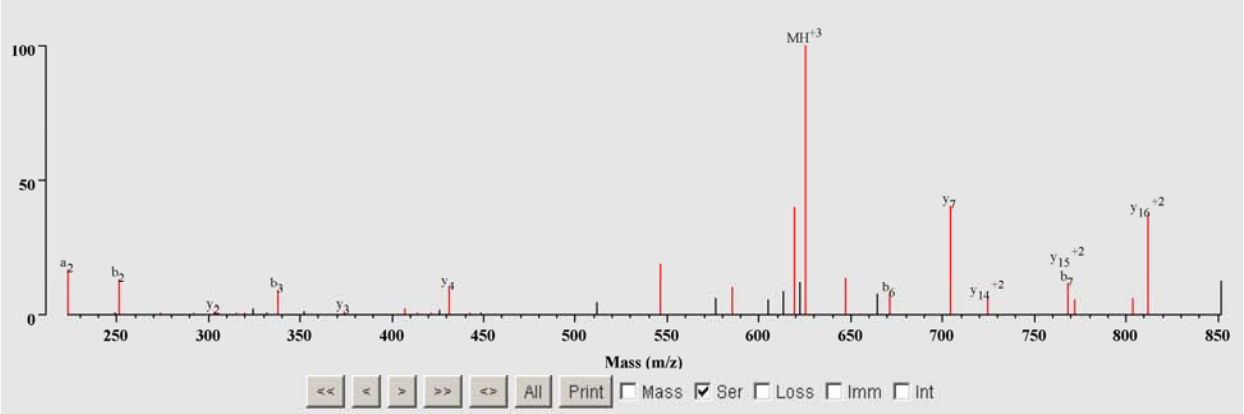
155.0938	223.1068	251.1042	277.1170	290.1089	305.1751	308.1204	320.1058	333.1470	334.1445
PG(79) GP(79)	a_2(-4.1)	b_2(6.2)		b_3-H_2O(-16)	y_3(-22)	b_3(-12)		a_4-H_2O(-26)	
343.1408	**351.1630**	**361.1463**	**372.1855**	**379.1549**	**391.1713**	**405.1508**	**420.2270**	**423.1737**	**438.2020**
	a_4(-9.4)	b_4-H_2O(-12) YGAP-28(-113)		b_4(-17)	y_9-H_2O^{+2}(-62)		PGPAD-H_2O(93) y_4(43)		PGPAD(8.4)
448.7301	**457.2414**	**476.2042**	**512.7426**	**533.2250**	**585.2914**	**588.2766**	**592.2664**	**628.7935**	**635.2468**
y_{10}^{+2}(6.4)		b_5(-21)	y_{12}^{+2}(-27)	b_6(-20)	y_{13}-H_2O^{+2}(14)	y_6(-38)	PGPGPAD(-10)	MH-H_2O^{+2}(-8.6)	GPGPADAS-H_2O(-50) APGPGPAD-28(-107) PGPGPADA-28(-107)
637.2427	**637.7971**	**645.2962**	**656.3336**	**663.3041**	**742.3587**	**768.3376**	**799.3782**	**896.4291**	**1024.4634**
	MH^{+2}(-11)	PGPGPADA-H_2O(-4.5) APGPGPAD-H_2O(-4.5) y_7(-37)		PGPGPADA(-8.4) APGPGPAD(-8.4)	y_8(-19)	YGAPGPGPA(-39)	y_9(-20)	y_{10}(-20)	y_{12}(-41)

[–] Main Sequence Ions

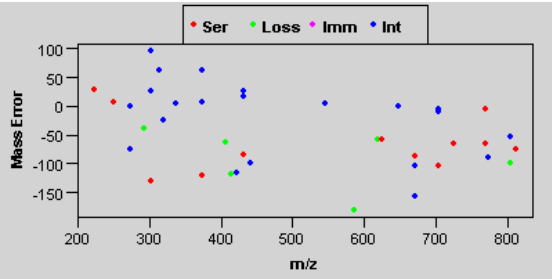
b			y	y^{+2}
---	1	S 14	---	---
251.1026	2	Y 13	1187.5691	594.2882
308.1241	3	G 12	1024.5058	512.7565
379.1612	4	A 11	967.4843	484.2458
476.2140	5	P 10	896.4472	448.7272
533.2354	6	G 9	799.3945	400.2009
630.2882	7	P 8	742.3730	371.6901
687.3097	8	G 7	645.3202	323.1638
784.3624	9	P 6	588.2988	294.6530
855.3995	10	A 5	491.2460	246.1266
970.4265	11	D 4	420.2089	210.6081
1041.4636	12	A 3	305.1819	153.0946
1128.4956	13	S 2	234.1448	117.5761
---	14	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSFVPSWGATATGARK^{+3}



Max Intensity: **14.6**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **83.7%** Matched Series Intensity: **75.7%**



Sequence SYSSFVPSWGATATGARK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C84 H126 N23 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1874.0758	1872.9239	937.5416	936.9656	625.3635	624.9795

[–] Peak Matches

223.1139	249.0999	251.1042	274.1188	292.1179	303.1743	315.1649	320.1160	324.1575	332.1440
YS-28(28) a_2(28)		YS(6.2) b_2(6.2)	SW(0.66) TAT(-76)	a_3-H_2O(-39)	SWG-28(96) TATG-28(26) y_2(-131)	WGA(63)	b_3-H_2O(-25) YSS-H_2O(-25)		
338.1358	**352.1233**	**374.2060**	**407.1308**	**414.1970**	**421.1593**	**426.2029**	**431.2357**	**442.2016**	**448.1809**
b_3(3.4) YSS(3.4)		SWGA-28(63) GATAT-28(6.9) ATATG-28(6.9) TATGA-28(6.9) y_3(-120)	b_4-H_2O(-62)	y_4-NH_3(-118)	SSFV(-116)		GATATG-28(25) FVPS(16) SFVP(16) y_4(-85)	VPSW-28(-98)	
511.6966	**546.2692**	**576.2517**	**585.2410**	**604.7590**	**612.9402**	**613.2777**	**618.9398**	**622.3093**	**624.9425**
	SWGATA-28(3.9)		y_6-H_2O(-181)				MH-H_2O^{+3}(-58)		MH^{+3}(-59)
647.3151	**664.2747**	**671.2455**	**704.3323**	**724.8390**	**768.3514**	**772.2939**	**803.3250**	**811.8571**	**851.4085**
SWGATAT-28(0.54)		b_6(-86) PSWGATA(-103) VPSWGAT-28(-157)	SWGATATG-28(-5.6) SFVPSW(-11) y_7(-103)	y_{14}^{+2}(-65)	YSSFVPS(-6.3) b_7(-6.3) y_{15}^{+2}(-66)	PSWGATAT(-89)	SWGATATGA(-54) y_{16}-NH_3^{+2}(-99)	y_{16}^{+2}(-75)	

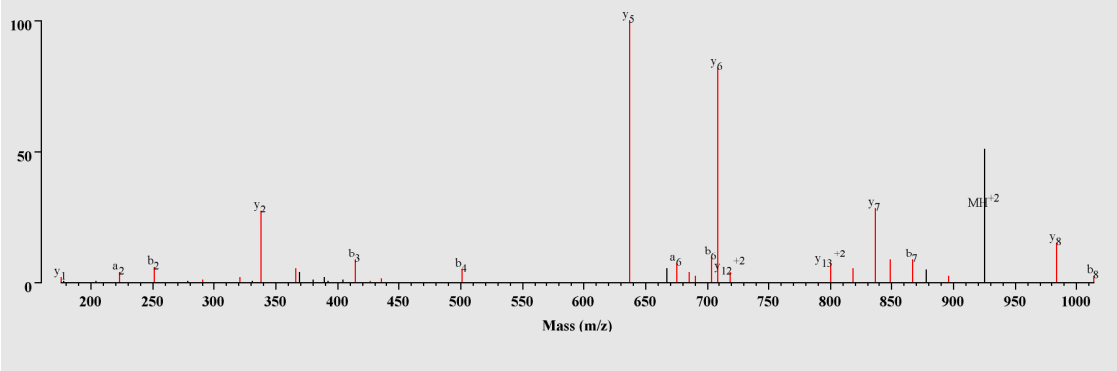
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	18	---	---
251.1026	---	2	Y	17	1785.8919	893.4496
338.1347	---	3	S	16	1622.8285	811.9179
425.1667	---	4	S	15	1535.7965	768.4019
572.2351	---	5	F	14	1448.7645	724.8859
671.3035	---	6	V	13	1301.6961	651.3517
768.3563	---	7	P	12	1202.6276	601.8175
855.3883	---	8	S	11	1105.5749	553.2911
1041.4676	---	9	W	10	1018.5429	509.7751
1098.4891	---	10	G	9	832.4635	416.7354
1169.5262	---	11	A	8	775.4421	388.2247
1270.5739	---	12	T	7	704.4050	352.7061
1341.6110	---	13	A	6	603.3573	302.1823
1442.6587	---	14	T	5	532.3202	266.6637
1499.6801	---	15	G	4	431.2725	216.1399

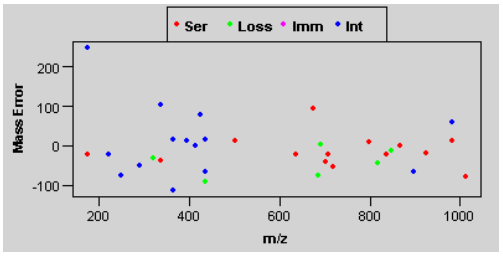
1570.7172	---	16	**A**	3	374.2510	187.6292
1726.8184	863.9128	17	**R**	2	303.2139	152.1106
---	---	18	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYSSDYFQAPSDYR^{+2}



Max Intensity: **5.30**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **83.7%** Matched Series Intensity: **82.7%**



Sequence SYYSSDYFQAPSDYR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C84 H110 N19 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1849.9194	1848.7711	925.4634	924.8892

[–] **Peak Matches**

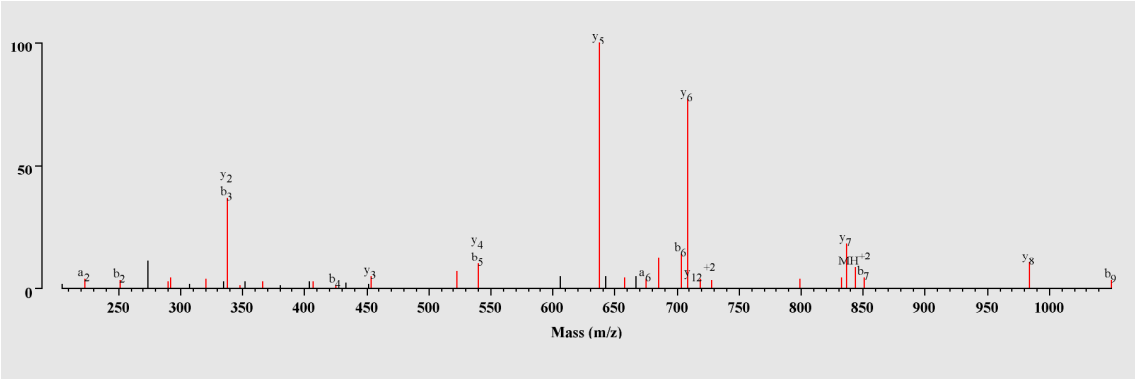
175.1149	178.0657	204.0777	223.1031	251.0838	278.1474	290.0837	321.1452	331.1481	338.1694
SD-28(249) SS(249) y_1(-23)			a_2(-21) YS-28(-21)	DY-28(-75) b_2(-75) YS(-75)		SSD(-50)	y_2-NH_3(-33)		SDY-28(103) YSS(103) y_2(-38)
366.1355	**369.1354**	**380.1327**	**389.1432**	**392.1345**	**396.1596**	**404.2162**	**414.1665**	**426.1993**	**435.1583**
SDY(16) QAPS-H_2O(-114)					b_3-H_2O(11) YYS-H_2O(11)		b_3(1.3) YYS(1.3)	DYF(78)	SSDY-H_2O(17) YSSD-H_2O(17) PSDY-28(-67) y_3-H_2O(-93)
501.2047	**637.2807**	**667.2173**	**675.3246**	**685.1943**	**690.3226**	**703.2271**	**708.3165**	**718.2714**	**799.8487**
YYSS(13) b_4(13)	y_5(-21)		a_6(93)	b_6-H_2O(-76)	y_6-H_2O(2.9)	b_6(-42)	y_6(-21)	y_{12}^{+2}(-54)	y_{13}^{+2}(9.0)
818.3420	**836.3703**	**848.2980**	**866.3201**	**877.8613**	**896.3205**	**924.8703**	**925.3857**	**983.4700**	**1013.3077**
y_7-H_2O(-45)	y_7(-23)	b_7-H_2O(-14)	b_7(-0.22)		SSDYFQAP(-65) DYFQAPSD-28(-65) SDYFQAPS(-65)	MH^{+2}(-20)		SDYFQAPSD-28(61) SSDYFQAPS(61) y_8(12)	b_8(-80)

[–] **Main Sequence Ions**

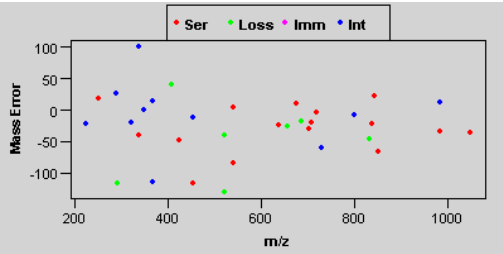
b			y	y^{+2}
---	1	S	15 ---	---
251.1026	2	Y	14 1761.7391	881.3732
414.1660	3	Y	13 1598.6758	799.8415
501.1980	4	S	12 1435.6124	718.3099
588.2300	5	S	11 1348.5804	674.7938
703.2570	6	D	10 1261.5484	631.2778
866.3203	7	Y	9 1146.5214	573.7644
1013.3887	8	F	8 983.4581	492.2327
1141.4473	9	Q	7 836.3897	418.6985
1212.4844	10	A	6 708.3311	354.6692
1309.5372	11	P	5 637.2940	319.1506
1396.5692	12	S	4 540.2413	270.6243
1511.5961	13	D	3 453.2092	227.1083
1674.6595	14	Y	2 338.1823	169.5948
---	15	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSDYFQAPSDYR^{+2}



Max Intensity: **15.9**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **89.2%** Matched Series Intensity: **89.0%**



Sequence SYSSDYFQAPSDYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C75 H101 N18 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1686.7421	1685.7078	843.8748	843.3575

[–] **Peak Matches**

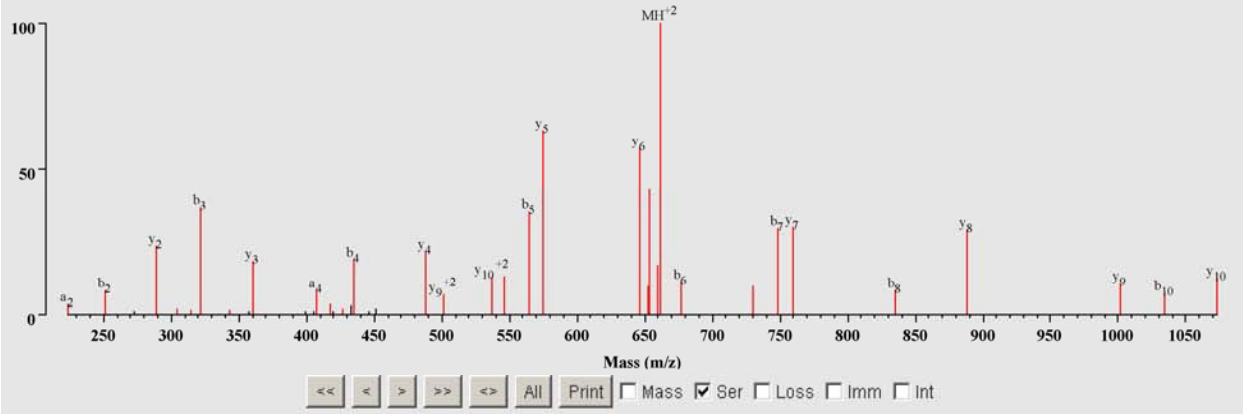
204.0812	223.1026	251.1072	274.0891	290.1057	292.0953	307.1293	320.1177	334.1376	338.1689
	a_2(-23) YS-28(-23)	DY-28(18) YS(18) b_2(18)		SSD(26)	a_3-H_2O(-116)		b_3-H_2O(-20) YSS-H_2O(-20)		SDY-28(101) b_3(101) YSS(101) y_2(-40)
348.1189	**352.1321**	**366.1351**	**380.1508**	**404.1493**	**407.1728**	**425.1464**	**433.2114**	**451.1937**	**453.1561**
SDY-H_2O(-0.32)		SDY(15) QAPS-H_2O(-115)			b_4-H_2O(41)	SSDY-28(-48) YSSD-28(-48) b_4(-48)			SSDY(-12) YSSD(-12) y_3(-117)
522.1623	**540.1959**	**606.2636**	**637.2785**	**642.3326**	**657.2335**	**667.2126**	**675.2683**	**685.2342**	**703.2349**
b_5-H_2O(-40) y_4-H_2O(-131)	b_5(4.2) y_4(-84)		y_5(-24)		a_6-H_2O(-27)		a_6(9.3)	b_6-H_2O(-18)	b_6(-31)
708.3169	**718.3072**	**728.2450**	**799.3194**	**832.2755**	**836.3710**	**843.3768**	**850.2682**	**983.4236**	**1049.3826**
y_6(-20)	y_{12}^{+2}(-3.7)	SSDYFQ(-60)	SSDYFQA(-7.9)	b_7-H_2O(-47)	y_7(-22)	MH^{+2}(23)	b_7(-67)	SSDYFQAPS(13) SDYFQAPSD-28(13) y_8(-35)	b_9(-37)

[–] **Main Sequence Ions**

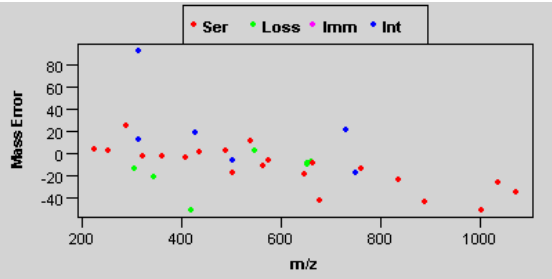
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1598.6758	799.8415
338.1347	3	S	12	1435.6124	718.3099
425.1667	4	S	11	1348.5804	674.7938
540.1936	5	D	10	1261.5484	631.2778
703.2570	6	Y	9	1146.5214	573.7644
850.3254	7	F	8	983.4581	492.2327
978.3840	8	Q	7	836.3897	418.6985
1049.4211	9	A	6	708.3311	354.6692
1146.4738	10	P	5	637.2940	319.1506
1233.5059	11	S	4	540.2413	270.6243
1348.5328	12	D	3	453.2092	227.1083
1511.5961	13	Y	2	338.1823	169.5948
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALELASQANR^{+2}



Max Intensity: **5.92**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **98.2%** Matched Series Intensity: **97.7%**



Sequence: SYALELASQANR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H92 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1323.4570	1322.6699	662.2322	661.8386

[–] **Peak Matches**

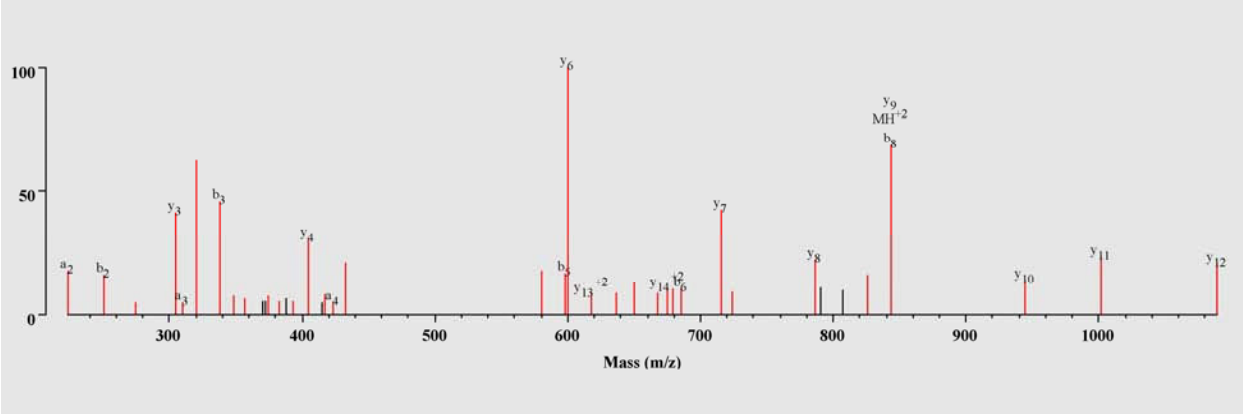
223.1085	**251.1032**	**273.0389**	**289.1693**	**304.1249**	**314.1750**	**322.1391**	**343.1652**	**357.2048**	**360.1981**
a_2(3.5)	b_2(2.3)		y_2(26)	b_3-H_2O(-14)	QAN(93) ELA(13) ALE(13)	b_3(-2.0)	y_3-NH_3(-21)		y_3(-2.5)
399.1195	**405.1621**	**407.2277**	**417.1920**	**419.1486**	**427.2631**	**433.1912**	**435.2244**	**445.8492**	**451.2146**
		a_4(-2.9)	b_4-H_2O(-51)		LELA(19) ALEL(19)		b_4(1.4)		
488.2589	**501.2636**	**536.7966**	**546.2576**	**564.2601**	**575.2861**	**646.3144**	**652.8268**	**653.3202**	**659.3354**
y_4(2.7)	ELASQ-28(-6.3) y_9^{+2}(-17)	y_{10}^{+2}(11)	b_5-H_2O(3.2)	b_5(-11)	y_5(-6.1)	y_6(-19)	MH-H_2O^{+2}(-10.0)	MH-NH_3^{+2}(-7.8)	b_6-H_2O(-6.8)
661.8334	**677.3222**	**730.3929**	**748.3751**	**759.4004**	**835.4007**	**888.4145**	**1001.4868**	**1034.4889**	**1072.5369**
MH^{+2}(-7.8)	b_6(-42)	b_7-H_2O(22) YALELAS-H_2O(22)	b_7(-17) YALELAS(-17)	y_7(-14)	b_8(-23)	y_8(-44)	y_9(-51)	b_{10}(-26)	y_{10}(-35)

[–] **Main Sequence Ions**

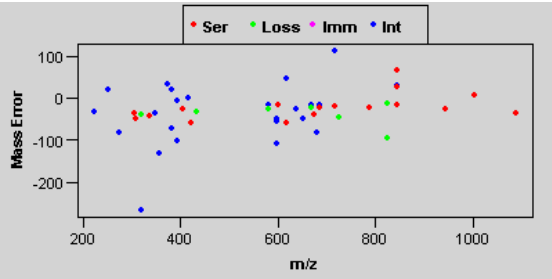
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1235.6379	618.3226
322.1397	3	A	10	1072.5745	536.7909
435.2238	4	L	9	1001.5374	501.2724
564.2664	5	E	8	888.4534	444.7303
677.3505	6	L	7	759.4108	380.2090
748.3876	7	A	6	646.3267	323.6670
835.4196	8	S	5	575.2896	288.1484
963.4782	9	Q	4	488.2576	244.6324
1034.5153	10	A	3	360.1990	180.6031
1148.5582	11	N	2	289.1619	145.0846
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSIFSGTGADPVVSAK^{+2}



Max Intensity: **2.03**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.3%** Matched Series Intensity: **93.7%**



Sequence SYSIFSGTGADPVVSAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C75 H117 N18 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1686.8704	1685.8381	843.9389	843.4227

[–] Peak Matches

223.1003	251.1078	274.0959	305.1706	310.1245	320.1114	338.1206	348.1793	357.1663	370.1235
a_2(-33) YS-28(-33)	b_2(21) YS(21)	FSG-H_2O(-83)	y_3(-37)	a_3(-49)	b_3-H_2O(-40) IFS-28(-267) SIF-28(-267)	b_3(-42)	SIF(-36) IFS(-36)	VVSA(-131)	
372.2023	**374.1789**	**383.2005**	**388.1747**	**393.1736**	**404.2390**	**415.2266**	**417.2136**	**423.1993**	**433.1939**
	SGTGA(32) GTGAD-28(32)	ADPV(21) DPVV-28(-74) PVVS(-74)		FSGT(-8.3) DPVV-H_2O(-101)	y_4(-28)		SIFS-H_2O(0.85)	a_4(-58)	b_4-H_2O(-33)
580.2621	**598.2544**	**600.3606**	**618.2805**	**636.2465**	**650.2827**	**667.2931**	**674.8327**	**679.2856**	**685.3033**
GTGADPV-H_2O(-18) YSIFS-H_2O(-25) b_5-H_2O(-25)	GTGADPV(-48) b_5(-55) YSIFS(-55) GADPVVS-28(-109)	y_6(-18)	FSGTGAD-H_2O(46) y_{13}^{+2}(-59)	FSGTGAD(-25)	SIFSGTG(-49)	SGTGADPV-H_2O(-17) b_6-H_2O(-23)	y_{14}^{+2}(-39)	GADPVVSA-H_2O(-81) GTGADPVV-H_2O(-81)	SGTGADPV(-17) b_6(-23)
715.3849	**724.2959**	**786.4167**	**790.3154**	**807.3804**	**825.3671**	**843.4448**	**944.4779**	**1001.5312**	**1088.5172**
FSGTGADP-H_2O(112) y_7(-19)	b_7-H_2O(-47)	y_8(-24)			b_8-H_2O(-13) y_9-H_2O(-96)	b_8(67) SGTGADPVVS-28(29) MH^{+2}(26) y_9(-15)	y_{10}(-28)	y_{11}(5.0)	y_{12}(-38)

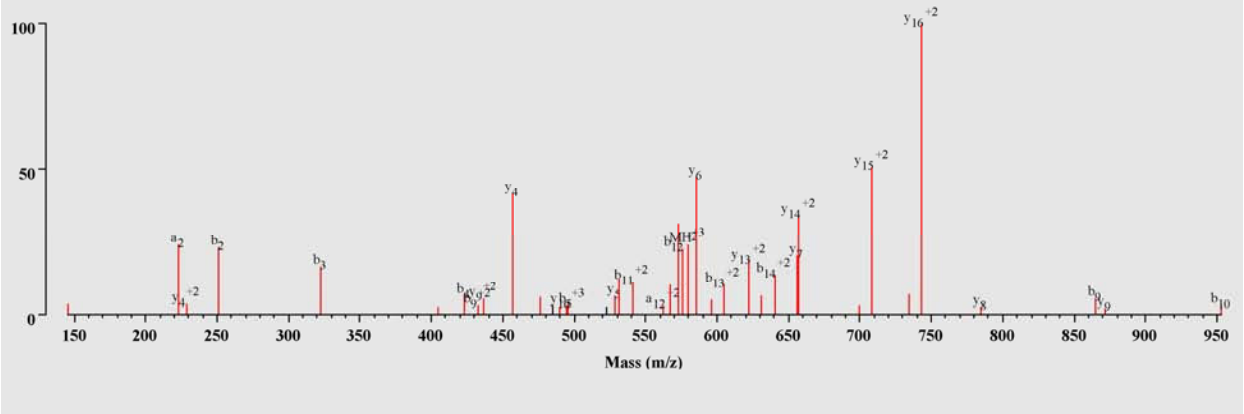
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	17	---	---
251.1026	2	Y	16	1598.8061	799.9067
338.1347	3	S	15	1435.7427	718.3750
451.2187	4	I	14	1348.7107	674.8590
598.2871	5	F	13	1235.6266	618.3170
685.3192	6	S	12	1088.5582	544.7828
742.3406	7	G	11	1001.5262	501.2667
843.3883	8	T	10	944.5047	472.7560
900.4098	9	G	9	843.4571	422.2322
971.4469	10	A	8	786.4356	393.7214
1086.4738	11	D	7	715.3985	358.2029
1183.5266	12	P	6	600.3715	300.6894
1282.5950	13	V	5	503.3188	252.1630
1381.6634	14	V	4	404.2504	202.6288

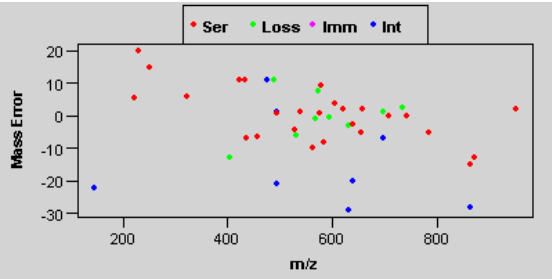
1468.6955	15	**S**	3	305.1819	153.0946
1539.7326	16	**A**	2	218.1499	109.5786
---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATASRGASQAGAPQGR^{+3}



Max Intensity: **190**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.1%** Matched Series Intensity: **99.0%**



Sequence SYATASRGASQAGAPQGR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C70 H115 N26 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1736.8527	1735.8470	868.9301	868.4272	579.6225	579.2872

[–] Peak Matches

145.0939	223.1089	229.1341	251.1063	322.1417	405.1716	423.1920	433.2165	436.2196	457.2488
AT-28(-22) TA-28(-22)	a_2(5.3)	QAG-28(20) y_4^{+2}(20)	b_2(15)	b_3(6.1)	b_4-H_2O(-13)	b_4(11)	b_9^{+2}(11)	y_9^{+2}(-7.0)	y_4(-6.5)
476.2190	**485.2450**	**489.9238**	**494.2252**	**495.9224**	**522.7544**	**528.2865**	**531.7485**	**540.7577**	**562.2725**
b_5-H_2O(11) YATAS-H_2O(11)		y_{16}-H_2O^{+3}(11)	b_5(1.3) YATAS(1.3) SQAGAP-H_2O(-21)	y_{16}^{+3}(0.65)		y_5(-4.5)	b_{11}-H_2O^{+2}(-6.2)	b_{11}^{+2}(1.2)	a_{12}^{+2}(-10)
567.2699	**573.2881**	**576.2762**	**579.2926**	**585.3055**	**595.7808**	**604.7888**	**621.8198**	**631.2976**	**640.3033**
b_{12}-H_2O^{+2}(-0.78)	MH-H_2O^{+3}(7.7)	b_{12}^{+2}(1.00)	MH^{+3}(9.3)	y_6(-8.3)	b_{13}-H_2O^{+2}(-0.46)	b_{13}^{+2}(4.0)	y_{13}^{+2}(2.1)	b_{14}-H_2O^{+2}(-3.2) TASRGAS(-29)	GASQAGAP(-2.5) SQAGAPQ(-2.5) b_{14}^{+2}(-2.5) SRGASQA-H_2O(-20) ASRGASQ-H_2O(-20)
656.3441	**657.3385**	**699.3486**	**707.8610**	**734.3761**	**743.3796**	**784.4019**	**865.4031**	**871.4269**	**952.4503**
y_7(-5.1)	y_{14}^{+2}(2.2)	y_{15}-NH_3^{+2}(1.4) RGASQAGA(-6.7)	y_{15}^{+2}(0.11)	y_{16}-H_2O^{+2}(2.6)	y_{16}^{+2}(0.17)	y_8(-5.3)	YATASRGAS(-15) b_9(-15) SRGASQAGAP-H_2O(-28)	y_9(-13)	b_{10}(2.1)

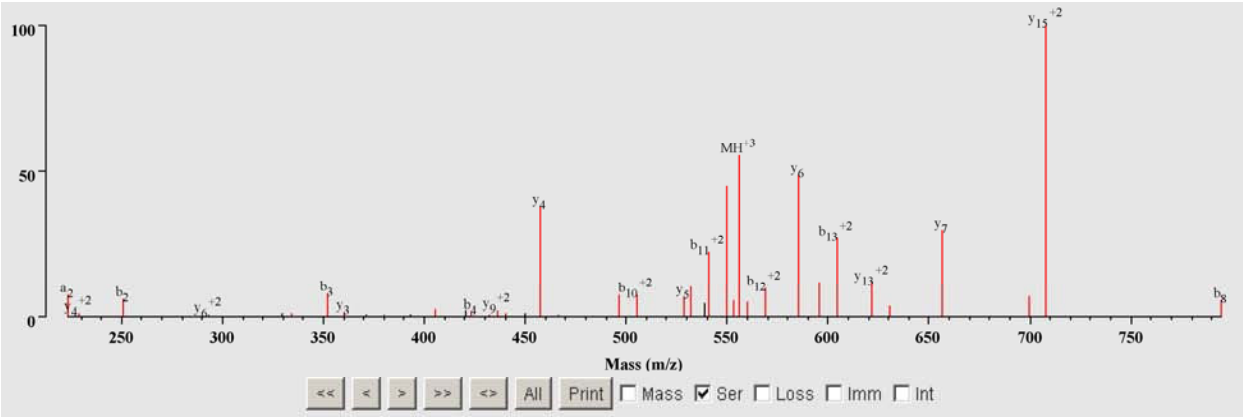
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	18	---	---
251.1026	---	2	Y	17	1648.8150	824.9111
322.1397	---	3	A	16	1485.7517	743.3795
423.1874	---	4	T	15	1414.7146	707.8609
494.2245	---	5	A	14	1313.6669	657.3371
581.2566	---	6	S	13	1242.6298	621.8185
737.3577	369.1825	7	R	12	1155.5977	578.3025
794.3791	397.6932	8	G	11	999.4966	500.2520
865.4163	433.2118	9	A	10	942.4752	471.7412
952.4483	476.7278	10	S	9	871.4381	436.2227
1080.5069	540.7571	11	Q	8	784.4060	392.7067
1151.5440	576.2756	12	A	7	656.3474	328.6774
1208.5654	604.7864	13	G	6	585.3103	293.1588

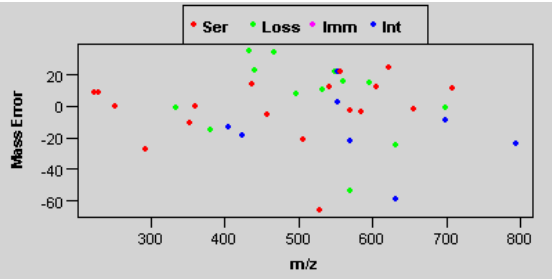
1279.6026	640.3049	14	**A**	5	528.2889	264.6481
1376.6553	688.8313	15	**P**	4	457.2518	229.1295
1504.7139	752.8606	16	**Q**	3	360.1990	180.6031
1561.7354	781.3713	17	**G**	2	232.1404	116.5738
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTASRGASQAGAPQGR^{+3}



Max Intensity: **64.2**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **98.0%** Matched Series Intensity: **97.5%**



Sequence SYTASRGASQAGAPQGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C67 H110 N25 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1665.7734	1664.8099	833.3904	832.9086	555.9294	555.6082

[–] Peak Matches

223.1096	229.1315	251.1027	293.1510	329.1819	334.1394	352.1463	360.1989	371.1819	380.1896
a_2(8.4)	QAG-28(8.7) y_4^{+2}(8.7)	b_2(0.27)	y_6^{+2}(-27)		b_3-H_2O(-1.0)	b_3(-11)	y_3(-0.26)		y_{12}-NH_3^{+3}(-15)
393.2126	**405.1717**	**420.5434**	**423.1795**	**432.2190**	**436.2288**	**440.2353**	**449.7352**	**457.2494**	**466.2555**
	b_4-H_2O(-13) YTAS-H_2O(-13)		b_4(-19) YTAS(-19)	b_9-H_2O^{+2}(35)	y_9^{+2}(14)	y_4-NH_3(23)		y_4(-5.2)	y_{15}-H_2O^{+3}(34)
496.2372	**505.2278**	**528.2541**	**531.7573**	**538.9558**	**540.7636**	**549.6170**	**553.2853**	**555.6202**	**560.2713**
b_{10}-H_2O^{+2}(8.0)	b_{10}^{+2}(-21)	y_5(-66)	b_{11}-H_2O^{+2}(10)		b_{11}^{+2}(12)	MH-H_2O^{+3}(22)	QAGAPQ(22) RGASQA-H_2O(2.2)	MH^{+3}(22)	b_{12}-H_2O^{+2}(16)
569.2664	**585.3082**	**595.7902**	**604.7934**	**621.8335**	**630.2944**	**656.3464**	**699.3470**	**707.8685**	**794.3604**
b_{12}^{+2}(-2.4) SRGASQ-H_2O(-22) y_{12}-H_2O^{+2}(-54)	y_6(-3.6)	b_{13}-H_2O^{+2}(15)	b_{13}^{+2}(12)	y_{13}^{+2}(24)	a_{14}-H_2O^{+2}(-25) ASRGASQ-28(-59) SRGASQA-28(-59)	y_7(-1.6)	y_{15}-NH_3^{+2}(-0.85) RGASQAGA(-8.9)	y_{15}^{+2}(11)	b_8(-24) YTASRGAS(-24)

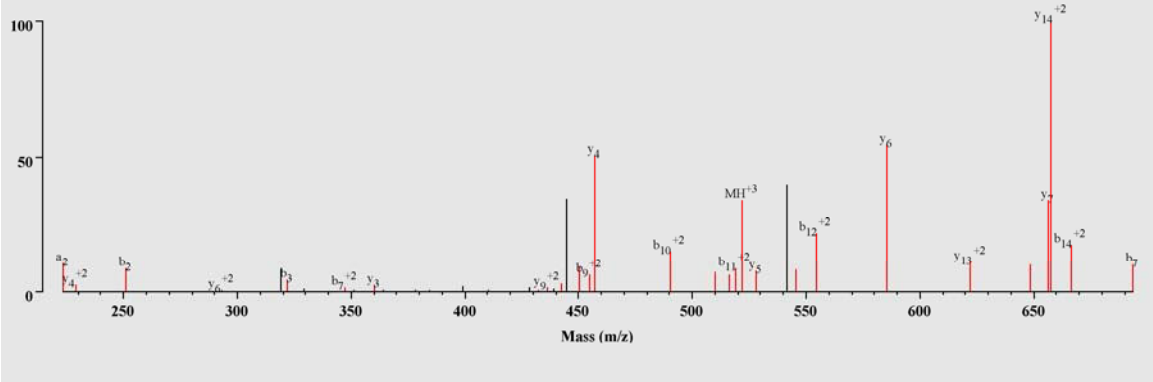
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	17 ---	---
251.1026	---	2	Y	16 1577.7779	789.3926
352.1503	---	3	T	15 1414.7146	707.8609
423.1874	---	4	A	14 1313.6669	657.3371
510.2195	---	5	S	13 1242.6298	621.8185
666.3206	333.6639	6	R	12 1155.5977	578.3025
723.3420	362.1747	7	G	11 999.4966	500.2520
794.3791	397.6932	8	A	10 942.4752	471.7412
881.4112	441.2092	9	S	9 871.4381	436.2227
1009.4697	505.2385	10	Q	8 784.4060	392.7067
1080.5069	540.7571	11	A	7 656.3474	328.6774
1137.5283	569.2678	12	G	6 585.3103	293.1588
1208.5654	604.7864	13	A	5 528.2889	264.6481
1305.6182	653.3127	14	P	4 457.2518	229.1295
1433.6768	717.3420	15	Q	3 360.1990	180.6031
1490.6982	745.8528	16	G	2 232.1404	116.5738

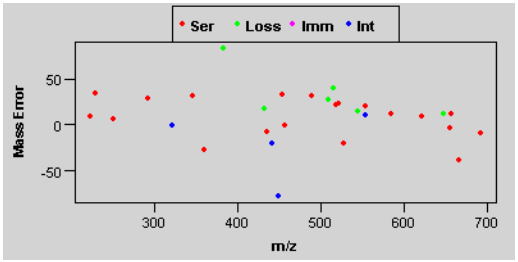
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASRGASQAGAPQGR^{+3}



Max Intensity: **51.9**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **83.0%** Matched Series Intensity: **81.6%**



Sequence SYASRGASQAGAPQGR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C63 H103 N24 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1564.6677	1563.7622	782.8376	782.3848	522.2275	521.9256

[–] **Peak Matches**

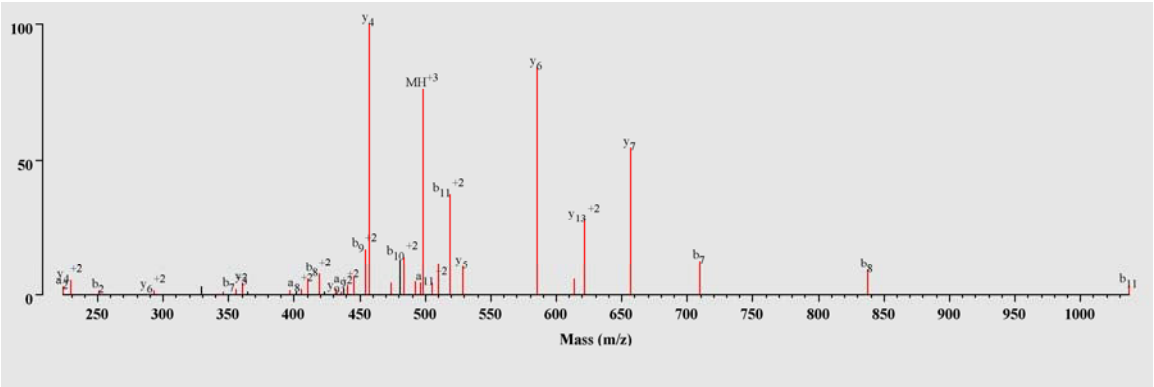
223.1096	229.1372	251.1042	293.1672	319.1700	322.1395	329.1784	347.1800	351.1435	360.1890
a_2(8.4)	QAG-28(34) y_4^{+2}(34)	b_2(6.2)	y_6^{+2}(29)		b_3(-0.77) YAS(-0.77)		b_7^{+2}(31)		y_3(-28)
364.1817	**378.1640**	**384.2254**	**399.2056**	**410.1520**	**428.1964**	**432.2112**	**436.2189**	**438.8621**	**442.1956**
		y_8-NH_3^{+2}(83)				a_9-NH_3^{+2}(17)	y_9^{+2}(-8.6)		SRGAS-NH_3(-20)
444.8767	**450.2110**	**454.7298**	**457.2515**	**490.2483**	**509.7526**	**516.2701**	**518.7549**	**521.9374**	**528.2781**
	YASR-28(-78)	b_9^{+2}(33)	y_4(-0.56)	b_{10}^{+2}(31)	b_{11}-H_2O^{+2}(27)	MH-NH_3^{+3}(39)	b_{11}^{+2}(21)	MH^{+3}(23)	y_5(-20)
541.7479	**545.2652**	**554.2734**	**585.3167**	**621.8242**	**648.8307**	**656.3446**	**657.3451**	**666.7922**	**693.3254**
	b_{12}-H_2O^{+2}(15)	b_{12}^{+2}(20) RGASQA-NH_3(9.5)	y_6(11)	y_{13}^{+2}(9.1)	y_{14}-NH_3^{+2}(11)	y_7(-4.4)	y_{14}^{+2}(12)	b_{14}^{+2}(-39)	YASRGAS(-8.7) ASQAGAPQ-H_2O(-8.7) b_7(-8.7)

[–] **Main Sequence Ions**

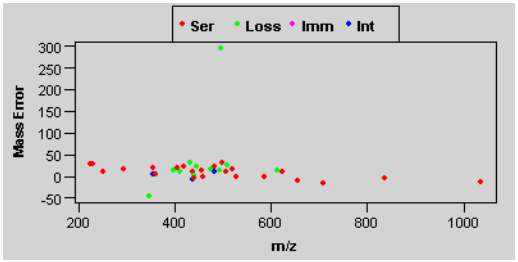
b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1476.7302	738.8687
322.1397	---	3	A	14	1313.6669	657.3371
409.1718	---	4	S	13	1242.6298	621.8185
565.2729	283.1401	5	R	12	1155.5977	578.3025
622.2944	311.6508	6	G	11	999.4966	500.2520
693.3315	347.1694	7	A	10	942.4752	471.7412
780.3635	390.6854	8	S	9	871.4381	436.2227
908.4221	454.7147	9	Q	8	784.4060	392.7067
979.4592	490.2332	10	A	7	656.3474	328.6774
1036.4806	518.7440	11	G	6	585.3103	293.1588
1107.5178	554.2625	12	A	5	528.2889	264.6481
1204.5705	602.7889	13	P	4	457.2518	229.1295
1332.6291	666.8182	14	Q	3	360.1990	180.6031
1389.6506	695.3289	15	G	2	232.1404	116.5738
---	---	16	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSRGASQAGAPQGR^{+3}



Max Intensity: **46.9**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **95.9%** Matched Series Intensity: **95.2%**



Sequence SYSRGASQAGAPQGR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C60 H98 N23 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1493.5884	1492.7251	747.2979	746.8662	498.5344	498.2466

[–] **Peak Matches**

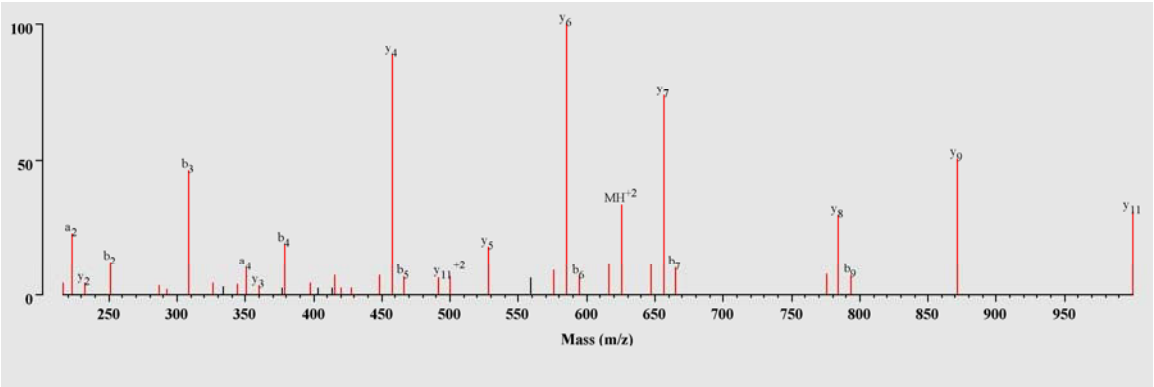
223.1139	229.1358	251.1057	293.1639	329.1887	346.1455	355.1741	360.2007	364.1907	396.1988
YS-28(28) a_2(28)	QAG-28(27) y_4^{+2}(27)	YS(12) b_2(12)	y_6^{+2}(17)		b_7-H_2O^{+2}(-46)	b_7^{+2}(20) SRGA-NH_3(4.7) RGAS-NH_3(4.7)	y_3(4.7)		a_8-H_2O^{+2}(14)
401.1996	**405.2060**	**410.1949**	**419.2051**	**423.2107**	**432.2171**	**436.2269**	**437.2099**	**440.2254**	**440.7160**
	a_8^{+2}(18)	b_8-H_2O^{+2}(10.0)	b_8^{+2}(21)		a_9-NH_3^{+2}(30)	y_9^{+2}(9.7) YSRG-28(-7.8)		y_4-NH_3(0.44)	a_9^{+2}(-2.8)
445.7196	**454.7210**	**457.2515**	**474.2282**	**480.7840**	**483.2361**	**492.2497**	**495.8873**	**498.2614**	**504.7518**
b_9-H_2O^{+2}(23)	b_9^{+2}(14)	y_4(-0.56)	b_{10}-H_2O^{+2}(17)		b_{10}^{+2}(22) RGASQ-NH_3(11)	MH-H_2O^{+3}(14)	a_{11}-H_2O^{+2}(295)	MH^{+3}(30)	a_{11}^{+2}(10)
509.7507	**518.7527**	**528.2883**	**585.3097**	**613.3138**	**621.8249**	**656.3405**	**709.3148**	**837.3814**	**1036.4681**
b_{11}-H_2O^{+2}(24)	b_{11}^{+2}(17)	y_5(-1.2)	y_6(-1.1)	y_{13}-NH_3^{+2}(14)	y_{13}^{+2}(10)	y_7(-11)	b_7(-16)	b_8(-4.2)	b_{11}(-12)

[–] **Main Sequence Ions**

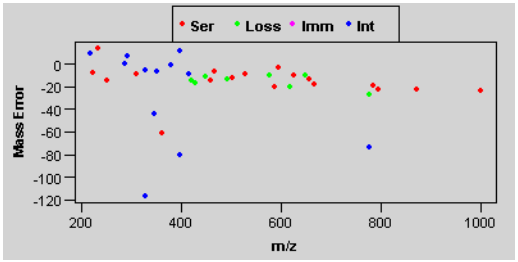
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1405.6931	703.3502
338.1347	---	3	**S**	13	1242.6298	621.8185
494.2358	247.6215	4	**R**	12	1155.5977	578.3025
551.2572	276.1323	5	**G**	11	999.4966	500.2520
622.2944	311.6508	6	**A**	10	942.4752	471.7412
709.3264	355.1668	7	**S**	9	871.4381	436.2227
837.3850	419.1961	8	**Q**	8	784.4060	392.7067
908.4221	454.7147	9	**A**	7	656.3474	328.6774
965.4435	483.2254	10	**G**	6	585.3103	293.1588
1036.4806	518.7440	11	**A**	5	528.2889	264.6481
1133.5334	567.2703	12	**P**	4	457.2518	229.1295
1261.5920	631.2996	13	**Q**	3	360.1990	180.6031
1318.6135	659.8104	14	**G**	2	232.1404	116.5738
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGASQAGAPQGR^{+2}



Max Intensity: **125**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.5%** Matched Series Intensity: **97.4%**



Sequence SYGASQAGAPQGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H81 N18 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1250.3211	1249.5920	625.6643	625.2996

[–] **Peak Matches**

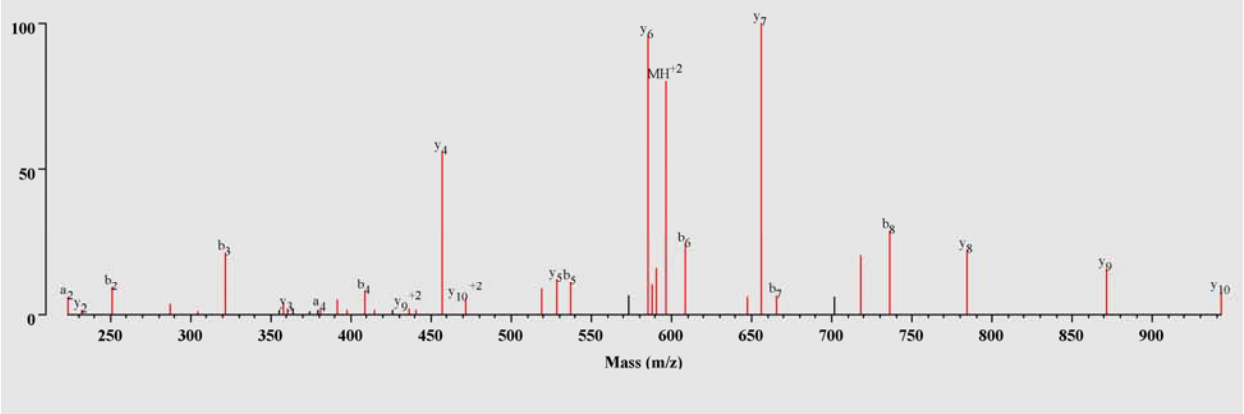
216.0998	223.1060	232.1436	251.0988	287.1352	292.1312	308.1214	326.1440	334.1362	344.1413
GAS(8.9) SQ(8.9)	a_2(-7.7)	y_2(14)	b_2(-15)	SQA(0.71) ASQ(0.71)	YGA(6.9)	b_3(-8.8)	GASQ-H_2O(-5.8) SQAG-H_2O(-5.8) GAPQ-28(-117) APQG-28(-117)		SQAG(-44) GASQ(-44)
351.1641	**360.1770**	**377.1437**	**379.1607**	**397.1877**	**403.1624**	**413.1444**	**415.1898**	**420.1817**	**427.2100**
a_4(-6.3) YGAS-28(-6.3)	y_3(-61)		b_4(-1.3) YGAS(-1.3)	GASQA-H_2O(12) SQAGA-H_2O(12) ASQAG-H_2O(12) QAGAP-28(-80) AGAPQ-28(-80)			SQAGA(-9.1) GASQA(-9.1) ASQAG(-9.1)	a_5-H_2O(-14)	y_9-H_2O^{+2}(-17)
448.1777	**457.2447**	**466.1900**	**491.2401**	**500.2458**	**528.2843**	**559.2158**	**576.2353**	**585.2986**	**594.2503**
b_5-H_2O(-11)	y_4(-15)	b_5(-6.9)	y_{11}-H_2O^{+2}(-13)	y_{11}^{+2}(-12)	y_5(-8.7)		b_6-H_2O(-10)	y_6(-20)	b_6(-2.6)
616.2818	**625.2937**	**647.2716**	**656.3392**	**665.2771**	**775.3160**	**784.3913**	**793.3302**	**871.4186**	**999.4726**
MH-H_2O^{+2}(-20)	MH^{+2}(-9.5)	b_7-H_2O(-10)	y_7(-13)	b_7(-18)	b_9-H_2O(-27) YGASQAGAP-28(-74)	y_8(-19)	b_9(-22)	y_9(-22)	y_{11}(-24)

[–] **Main Sequence Ions**

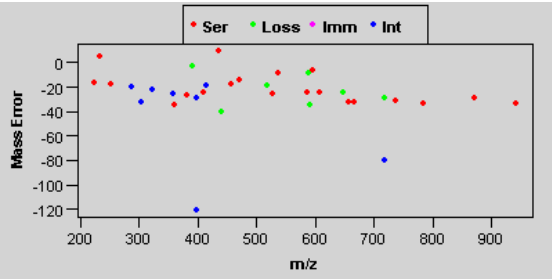
b				y	y^{+2}
---	1	**S**	13	---	---
251.1026	2	**Y**	12	1162.5600	581.7836
308.1241	3	**G**	11	999.4966	500.2520
379.1612	4	**A**	10	942.4752	471.7412
466.1932	5	**S**	9	871.4381	436.2227
594.2518	6	**Q**	8	784.4060	392.7067
665.2889	7	**A**	7	656.3474	328.6774
722.3104	8	**G**	6	585.3103	293.1588
793.3475	9	**A**	5	528.2889	264.6481
890.4003	10	**P**	4	457.2518	229.1295
1018.4588	11	**Q**	3	360.1990	180.6031
1075.4803	12	**G**	2	232.1404	116.5738
---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASQAGAPQGR^{+2}



Max Intensity: **44.0**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **96.7%** Matched Series Intensity: **96.1%**



Sequence SYASQAGAPQGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C49 H78 N17 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1193.2688	1192.5705	597.1381	596.7889

[–] Peak Matches

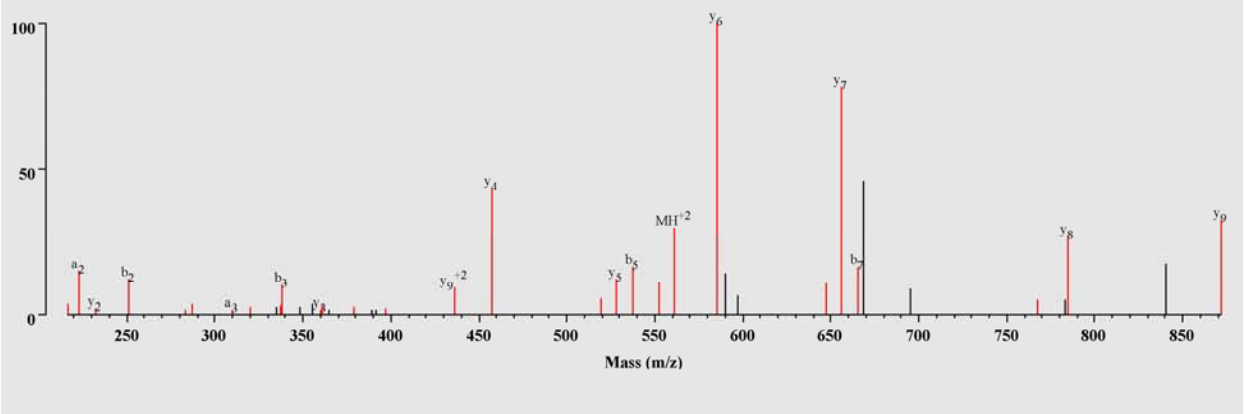
223.1040	232.1415	251.0982	287.1293	304.1194	322.1327	355.0635	358.1629	360.1864	364.1401
a_2(-17)	y_2(4.7)	b_2(-18)	ASQ(-20) SQA(-20)	b_3-H_2O(-32) YAS-H_2O(-32)	b_3(-22) YAS(-22)		ASQA(-26)	y_3(-35)	
374.1676	**379.1512**	**381.1665**	**391.1601**	**397.1715**	**409.1615**	**415.1858**	**426.1932**	**436.2269**	**440.2075**
		a_4(-27)	b_4-H_2O(-2.8)	ASQAG-H_2O(-29) SQAGA-H_2O(-29) QAGAP-28(-121) AGAPQ-28(-121)	b_4(-25)	SQAGA(-19) ASQAG(-19)		y_9^{+2}(9.7)	y_4-NH_3(-40)
457.2434	**471.7346**	**519.2099**	**528.2751**	**537.2257**	**573.2541**	**585.2960**	**587.7785**	**590.2365**	**596.7853**
y_4(-18)	y_{10}^{+2}(-14)	b_5-H_2O(-19)	y_5(-26)	b_5(-8.7)		y_6(-24)	MH-H_2O^{+2}(-8.7)	b_6-H_2O(-35)	MH^{+2}(-6.0)
608.2521	**647.2621**	**656.3263**	**665.2679**	**701.2660**	**718.2946**	**736.3029**	**784.3801**	**871.4126**	**942.4438**
b_6(-25)	b_7-H_2O(-25)	y_7(-32)	b_7(-32)		b_8-H_2O(-29) YASQAGAP-28(-80)	b_8(-31)	y_8(-33)	y_9(-29)	y_{10}(-33)

[–] Main Sequence Ions

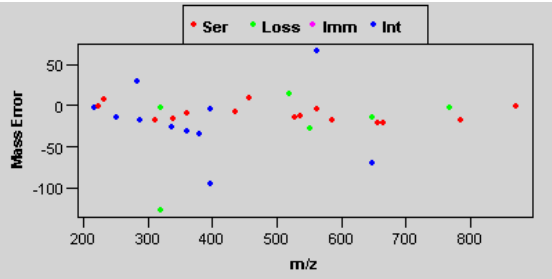
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1105.5385	553.2729
322.1397	3	A	10	942.4752	471.7412
409.1718	4	S	9	871.4381	436.2227
537.2304	5	Q	8	784.4060	392.7067
608.2675	6	A	7	656.3474	328.6774
665.2889	7	G	6	585.3103	293.1588
736.3260	8	A	5	528.2889	264.6481
833.3788	9	P	4	457.2518	229.1295
961.4374	10	Q	3	360.1990	180.6031
1018.4588	11	G	2	232.1404	116.5738
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSQAGAPQGR^{+2}



Max Intensity: **28.1**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **80.6%** Matched Series Intensity: **79.1%**



Sequence: SYSQAGAPQGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C46 H73 N16 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1122.1895	1121.5334	561.5985	561.2703

[–] **Peak Matches**

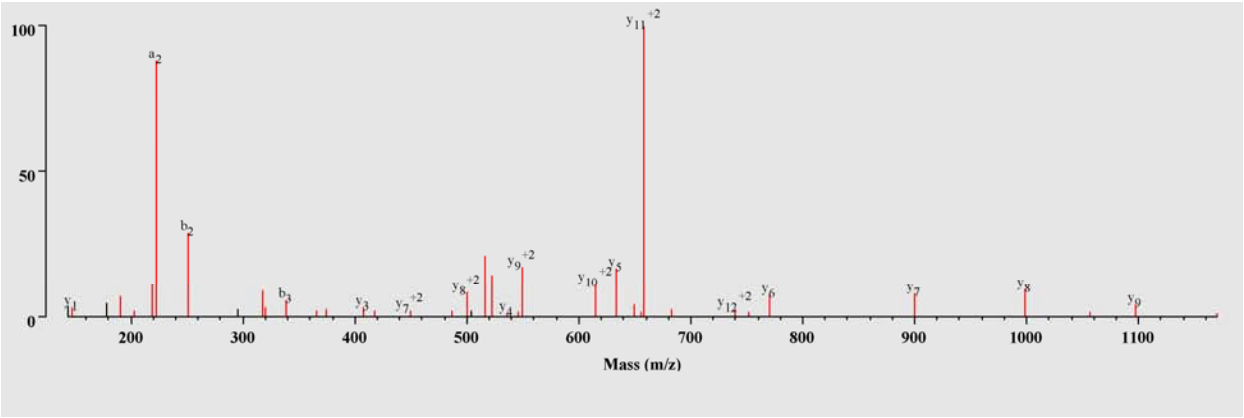
216.0972	223.1074	232.1421	251.0988	283.1485	287.1298	310.1345	320.1232	335.1839	337.1414
SQ(-3.2)	YS-28(-1.4) a_2(-1.4)	y_2(7.3)	b_2(-15) YS(-15)	PQG(30)	SQA(-18)	a_3(-17)	b_3-H_2O(-2.8) y_7-NH_3^{+2}(-128)		APQG-NH_3(-27) GAPQ-NH_3(-27)
338.1293	**348.1882**	**355.1603**	**360.1957**	**361.1395**	**365.1310**	**379.1479**	**389.1768**	**391.1586**	**397.1813**
b_3(-16)			y_3(-9.1)	YSQ-H_2O(-31)		YSQ(-35)			SQAGA-H_2O(-4.3) AGAPQ-28(-96) QAGAP-28(-96)
436.2192	**457.2557**	**519.2272**	**528.2817**	**537.2236**	**552.2497**	**561.2680**	**585.3005**	**590.3123**	**597.3240**
y_9^{+2}(-7.9)	y_4(8.6)	b_5-H_2O(14)	y_5(-14)	b_5(-13)	MH-H_2O^{+2}(-28)	YSQAGA-NH_3(67) MH^{+2}(-4.2)	y_6(-17)		
647.2691	**656.3333**	**665.2741**	**668.3522**	**695.3627**	**767.3771**	**783.3619**	**784.3928**	**840.4073**	**871.4370**
b_7-H_2O(-14) YSQAGAP-28(-71)	y_7(-22)	b_7(-22)			y_8-NH_3(-3.1)		y_8(-17)		y_9(-1.2)

[–] **Main Sequence Ions**

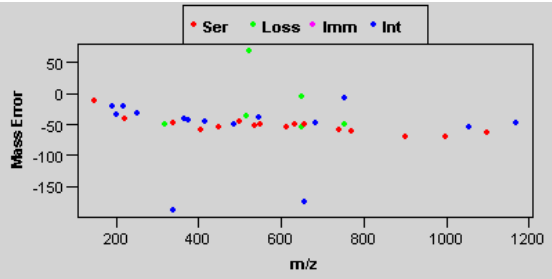
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1034.5014	517.7543
338.1347	3	S	9	871.4381	436.2227
466.1932	4	Q	8	784.4060	392.7067
537.2304	5	A	7	656.3474	328.6774
594.2518	6	G	6	585.3103	293.1588
665.2889	7	A	5	528.2889	264.6481
762.3417	8	P	4	457.2518	229.1295
890.4003	9	Q	3	360.1990	180.6031
947.4217	10	G	2	232.1404	116.5738
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSMVVEHPEFLK^{+3}



Max Intensity: **93.3**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **96.6%** Matched Series Intensity: **97.2%**



Sequence SYSMVVEHPEFLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C72 H109 N16 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1566.8273	1565.7668	783.9174	783.3871	522.9474	522.5938

[–] Peak Matches

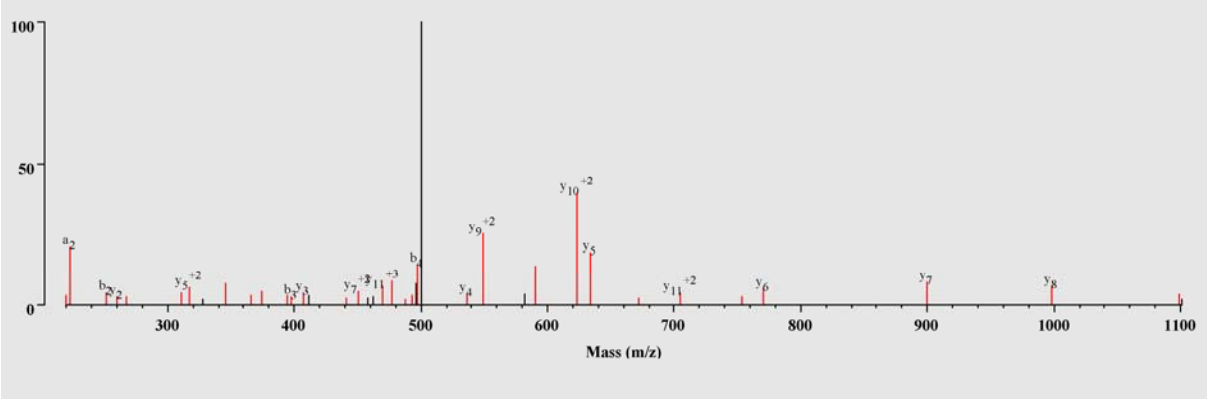
143.0781	147.1112	178.0801	191.0810	203.1144	219.0755	223.0985	251.0944	295.1599	318.1319
	y_1(-11)		SM-28(-20)	MV-28(-34)	SM(-20)	YS-28(-41) a_2(-41)	b_2(-33) YS(-33)		SMV(-51)
320.1082	**338.1183**	**366.1617**	**374.1549**	**407.2408**	**417.1976**	**450.2101**	**487.2309**	**499.7460**	**504.2646**
b_3-H_2O(-50)	b_3(-48) VEH-28(-189)	VEH(-42)	PEF(-43)	y_3(-60)	SMVV(-46)	y_7^{+2}(-55)	PEFL(-50)	y_8^{+2}(-46)	
516.5713	**522.2741**	**536.2801**	**546.2386**	**549.2752**	**614.7904**	**633.3298**	**649.2983**	**655.2081**	**657.9286**
MH-H_2O^{+3}(-37)	a_5-H_2O(69)	y_4(-52)	SMVVE(-38)	y_9^{+2}(-51)	y_{10}^{+2}(-54)	y_5(-49)	b_6-H_2O(-4.8) y_{11}-H_2O^{+2}(-55)	SMVVEH-28(-176)	
658.3074	**683.2855**	**739.8278**	**752.3703**	**770.3726**	**899.4001**	**998.4606**	**1056.4253**	**1097.5284**	**1169.5098**
y_{11}^{+2}(-49)	SMVVEH(-48)	y_{12}^{+2}(-58)	SMVVEHP-28(-7.5) y_6-H_2O(-51)	y_6(-61)	y_7(-69)	y_8(-70)	SMVVEHPEF(-54)	y_9(-64)	SMVVEHPEFL(-48)

[–] Main Sequence Ions

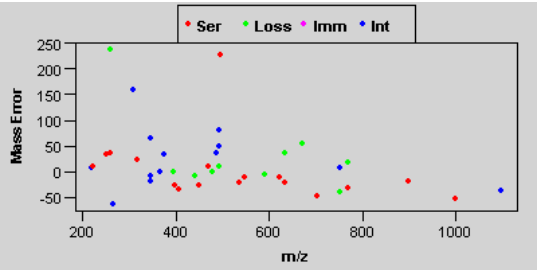
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1478.7348	739.8710
338.1347	---	3	S	11	1315.6715	658.3394
469.1751	---	4	M	10	1228.6395	614.8234
568.2436	---	5	V	9	1097.5990	549.3031
667.3120	---	6	V	8	998.5306	499.7689
796.3546	---	7	E	7	899.4621	450.2347
933.4135	467.2104	8	H	6	770.4196	385.7134
1030.4662	515.7368	9	P	5	633.3606	317.1840
1159.5088	580.2581	10	E	4	536.3079	268.6576
1306.5773	653.7923	11	F	3	407.2653	204.1363
1419.6613	710.3343	12	L	2	260.1969	130.6021
---	---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)VVEHPEFLK^{+3}



Max Intensity: **9.25**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **66.9%** Matched Series Intensity: **65.7%**



Sequence SYM(Oxidation)VVEHPEFLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H104 N15 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1495.5863	1494.7297	748.2968	747.8685	499.2004	498.9148

[–] **Peak Matches**

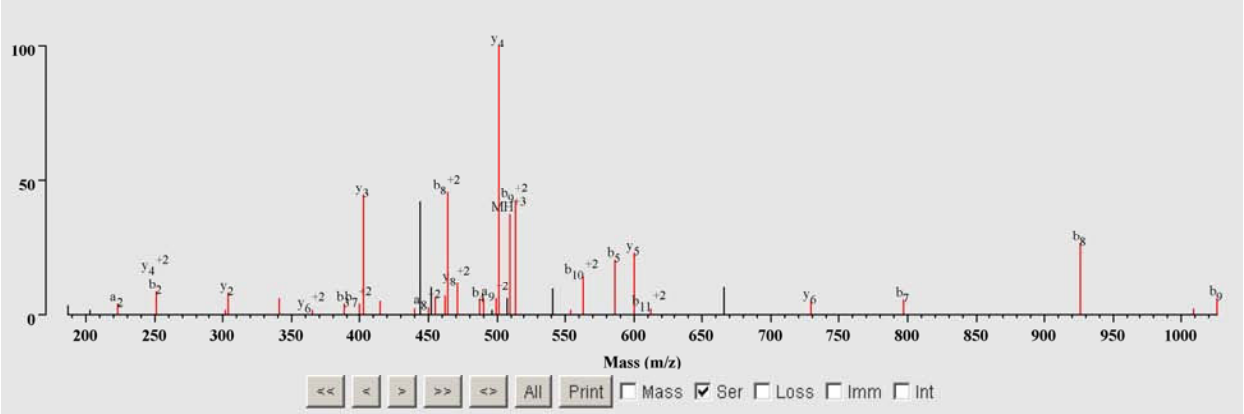
219.1176	223.1099	251.1107	260.2062	267.0918	310.2254	317.1916	327.2498	346.1731	366.1768
M(Oxidation)V-28(6.5)	a_2(9.8)	b_2(32)	y_4-NH_3^{+2}(238) y_2(36)	EH(-64)	VVE-H_2O(159)	y_5^{+2}(24)		HPE-H_2O(64) EHP-H_2O(64) PEF-28(-8.8) M(Oxidation)VV(-18)	VEH(-1.1)
374.1829	**394.2170**	**398.1275**	**407.2506**	**411.2270**	**441.2252**	**450.2221**	**458.1747**	**462.2921**	**469.9089**
PEF(32)	y_{10}-$SOCH_4^{+3}$(0.31)	b_3(-26)	y_3(-36)		y_7-H_2O^{+2}(-9.6)	y_7^{+2}(-28)			y_{11}^{+3}(10)
477.5818	**487.2723**	**493.2443**	**496.3557**	**497.3197**	**500.3592**	**536.2968**	**549.2965**	**582.3077**	**590.8180**
MH-$SOCH_4^{+3}$(-0.42)	PEFL(35)	EHPE(81) HPEF-H_2O(50) MH-NH_3^{+3}(10)		b_4(228)		y_4(-21)	y_9^{+2}(-12)		y_{10}-$SOCH_4^{+2}$(-6.2)
622.8142	**633.3471**	**672.3905**	**704.3192**	**753.3620**	**770.3959**	**899.4440**	**998.4776**	**1098.4879**	**1100.4648**
y_{10}^{+2}(-11)	a_6-$SOCH_4$(36) y_5(-21)	y_{11}-$SOCH_4^{+2}$(55)	y_{11}^{+2}(-47)	EHPEFL(7.1) y_6-NH_3(-41)	a_7-$SOCH_4$(17) y_6(-31)	y_7(-20)	y_8(-53)	M(Oxidation)VVEHPEFL(-37)	

[–] **Main Sequence Ions**

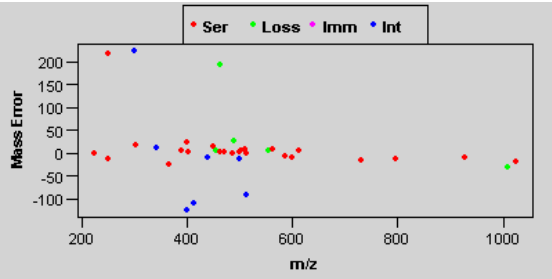
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1407.6977	704.3525
398.1380	---	3	**M(Oxidation)**	10	1244.6344	622.8208
497.2064	---	4	**V**	9	1097.5990	549.3031
596.2749	---	5	**V**	8	998.5306	499.7689
725.3175	---	6	**E**	7	899.4621	450.2347
862.3764	431.6918	7	**H**	6	770.4196	385.7134
959.4291	480.2182	8	**P**	5	633.3606	317.1840
1088.4717	544.7395	9	**E**	4	536.3079	268.6576
1235.5401	618.2737	10	**F**	3	407.2653	204.1363
1348.6242	674.8157	11	**L**	2	260.1969	130.6021
---	---	12	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHVVPNEVVVQR^{+3}



Max Intensity: **88.8**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **84.8%** Matched Series Intensity: **83.7%**



Sequence SYHVVPNEVVVQR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H109 N20 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1526.7461	1525.8122	763.8767	763.4097	509.5870	509.2756

[–] Peak Matches

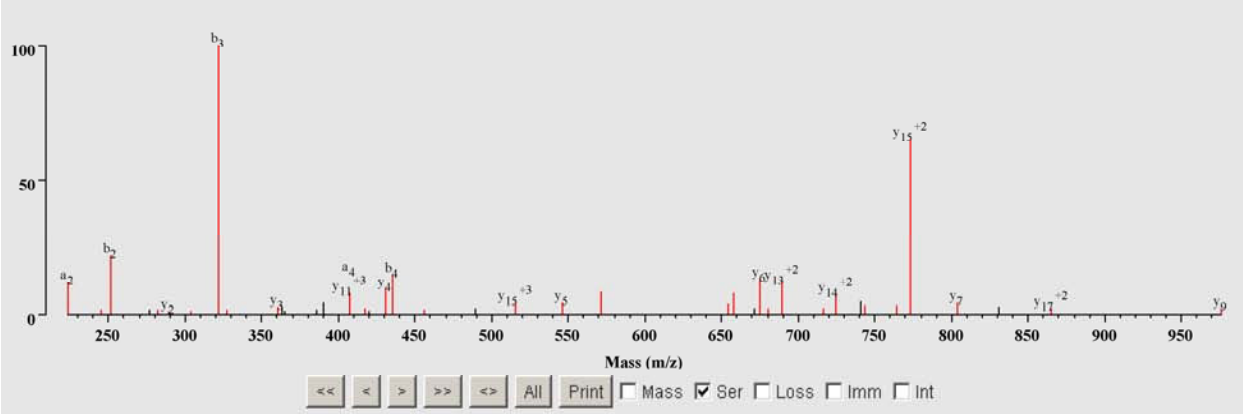
186.1510	203.1759	223.1075	251.1573	301.1970	303.1827	341.1493	365.2072	388.1638	399.2103
		a_2(-0.98)	b_2(218) y_4^{+2}(-14)	YH(224)	y_2(17)	PNE(11)	y_6^{+2}(-25)	b_3(5.8)	b_7^{+2}(24) EVVV-28(-125)
402.2471	**414.1896**	**440.2095**	**444.2335**	**449.7317**	**451.8696**	**455.2112**	**461.8479**	**463.7229**	**470.7660**
y_3(2.9)	NEVV-28(-109)	VPNE(-10) PNEV(-10)		a_8^{+2}(16)		b_8-NH_3^{+2}(5.5)	y_8-H_2O^{+2}(193)	b_8^{+2}(2.0)	y_8^{+2}(3.9)
487.2295	**490.2674**	**496.2555**	**499.2600**	**501.3174**	**507.2914**	**509.2799**	**513.2558**	**540.8039**	**554.2809**
b_4(-0.94)	a_9-H_2O^{+2}(28)		a_9^{+2}(2.6) YHVV(-13)	y_4(6.1)		MH^{+3}(8.5)	b_9^{+2}(-0.73) NEVVV-28(-92)		b_{10}-NH_3^{+2}(6.8)
562.7955	**586.2950**	**600.3772**	**612.3271**	**665.8484**	**729.4144**	**797.3844**	**926.4264**	**1008.4474**	**1025.4866**
b_{10}^{+2}(9.1)	b_5(-5.8)	y_5(-9.3)	b_{11}^{+2}(4.1)		y_6(-15)	b_7(-12)	b_8(-11)	b_9-NH_3(-31)	b_9(-18)

[–] Main Sequence Ions

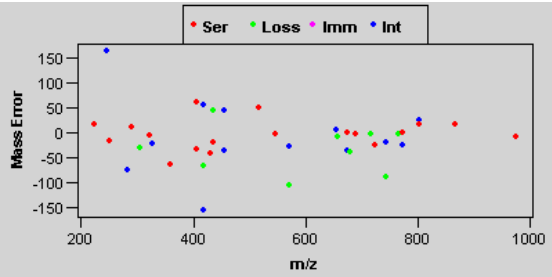
b	b^{+2}			y	y^{+2}
---	---	1	**S** 13	---	---
251.1026	---	2	**Y** 12	1438.7801	719.8937
388.1615	194.5844	3	**H** 11	1275.7168	638.3620
487.2300	244.1186	4	**V** 10	1138.6579	569.8326
586.2984	293.6528	5	**V** 9	1039.5895	520.2984
683.3511	342.1792	6	**P** 8	940.5211	470.7642
797.3941	399.2007	7	**N** 7	843.4683	422.2378
926.4367	463.7220	8	**E** 6	729.4254	365.2163
1025.5051	513.2562	9	**V** 5	600.3828	300.6950
1124.5735	562.7904	10	**V** 4	501.3144	251.1608
1223.6419	612.3246	11	**V** 3	402.2459	201.6266
1351.7005	676.3539	12	**Q** 2	303.1775	152.0924
---	---	13	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALPAGTEDTAKEDAANR^{+3}



Max Intensity: **12.1**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **92.6%** Matched Series Intensity: **92.6%**



Sequence SYALPAGTEDTAKEDAANR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C82 H131 N24 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1981.0958	1979.9305	991.0516	990.4689	661.0369	660.6483

[–] Peak Matches

223.1110	245.1168	251.0982	277.1296	282.1598	289.1650	304.1194	322.1378	327.1586	360.1756
a_2(15)	ED(163)	b_2(-18)		ALP(-76) LPA(-76)	y_2(11)	b_3-H_2O(-32)	b_3(-6.0)	PAGT(-24)	y_3(-65)
363.0825	**365.1089**	**386.1388**	**390.1835**	**407.2148**	**417.1843**	**420.2154**	**431.2180**	**435.2153**	**456.1915**
				y_{11}^{+3}(61) a_4(-35)	EDTA(54) b_4-H_2O(-69) YALP-28(-157)		y_4(-42)	y_{12}-NH_3^{+3}(42) b_4(-20)	AGTED-H_2O(42) PAGTE(-38)
489.2471	**515.9346**	**546.2603**	**571.2189**	**654.2764**	**658.2725**	**671.2822**	**675.3052**	**680.2829**	**689.3136**
	y_{15}^{+3}(49)	y_5(-5.0)	PAGTED(-30) y_{17}-H_2O^{+3}(-107)	PAGTEDT-H_2O(5.3)	y_6-NH_3(-10)		y_6(-0.66) GTEDTAK-28(-38)	y_{13}-H_2O^{+2}(-40)	y_{13}^{+2}(-3.0)
716.3173	**724.8161**	**740.3820**	**743.3054**	**764.3522**	**773.3595**	**803.4135**	**830.8971**	**865.4352**	**975.4759**
y_{14}-NH_3^{+2}(-5.1)	y_{14}^{+2}(-25)		PAGTEDTA(-20) b_8-H_2O(-90)	y_{15}-H_2O^{+2}(-4.1)	y_{15}^{+2}(-1.5) TAKEDAAN-28(-25)	YALPAGTE(25) y_7(16)		y_{17}^{+2}(16)	y_9(-9.7)

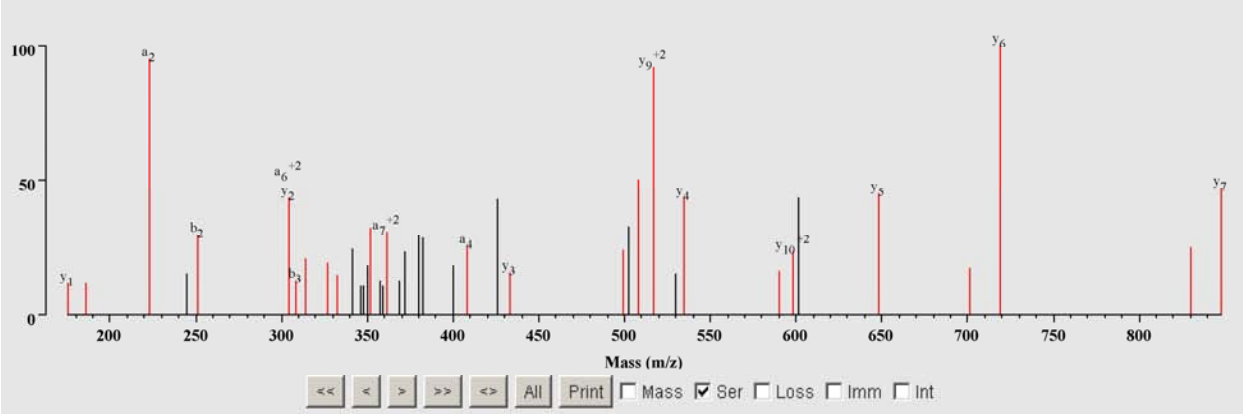
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 19	---	---
251.1026	---	2	**Y** 18	1892.8985	946.9529
322.1397	---	3	**A** 17	1729.8351	865.4212
435.2238	---	4	**L** 16	1658.7980	829.9026
532.2766	---	5	**P** 15	1545.7140	773.3606
603.3137	---	6	**A** 14	1448.6612	724.8342
660.3352	---	7	**G** 13	1377.6241	689.3157
761.3828	---	8	**T** 12	1320.6026	660.8049
890.4254	---	9	**E** 11	1219.5549	610.2811
1005.4524	---	10	**D** 10	1090.5123	545.7598
1106.5000	---	11	**T** 9	975.4854	488.2463
1177.5372	---	12	**A** 8	874.4377	437.7225
1305.6321	653.3197	13	**K** 7	803.4006	402.2039
1434.6747	717.8410	14	**E** 6	675.3056	338.1565
1549.7017	775.3545	15	**D** 5	546.2631	273.6352
1620.7388	810.8730	16	**A** 4	431.2361	216.1217
1691.7759	846.3916	17	**A** 3	360.1990	180.6031

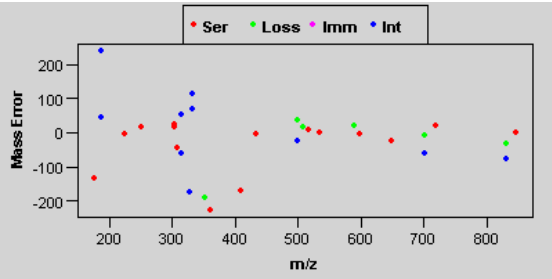
1805.8188	903.4130	18	**N**	2	289.1619	145.0846
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGKQANTEER^{+3}



Max Intensity: **2.25**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **70.9%** Matched Series Intensity: **70.9%**



Sequence: SYGKQANTEER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H84 N17 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1283.3481	1282.6022	642.1778	641.8047	428.4543	428.2056

[–] Peak Matches

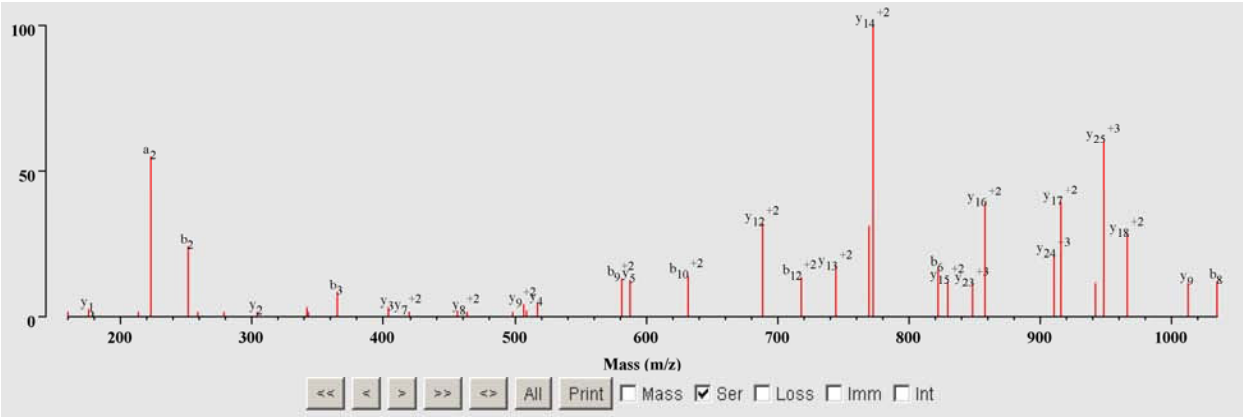
175.0955	**186.1318**	**223.1068**	**245.1124**	**251.1072**	**304.1689**	**308.1104**	**314.1628**	**327.0730**	**332.1829**
y_1(-134)	AN(239) GK(44)	a_2(-4.1)		b_2(18)	y_2(24) a_6^{+2}(18)	b_3(-44)	QAN(54) GKQ(-62)	NTE-H_2O(-174)	TEE-28(114) YGK-NH_3(68)
341.1074	**346.1349**	**348.0765**	**350.1846**	**352.1126**	**357.0925**	**359.0046**	**361.1031**	**369.0350**	**372.0340**
				a_7-H_2O^{+2}(-191)			a_7^{+2}(-227)		
380.0752	**382.1317**	**400.0704**	**408.1551**	**426.1987**	**433.2015**	**499.2506**	**502.3453**	**508.2516**	**516.7605**
			a_4(-169)		y_3(-6.1)	b_9+H_2O^{+2}(35) GKQAN(-23)		y_9-NH_3^{+2}(15)	y_9^{+2}(6.6)
529.5289	**534.2528**	**589.7882**	**598.2869**	**601.3909**	**648.2787**	**701.3161**	**719.3452**	**830.3379**	**847.3920**
	y_4(1.8)	y_{10}-NH_3^{+2}(22)	y_{10}^{+2}(-3.1)		y_5(-25)	y_6-H_2O(-7.4) GKQANTE-28(-59)	y_6(19)	y_7-NH_3(-31) GKQANTEE-28(-75)	y_7(1.8)

[–] Main Sequence Ions

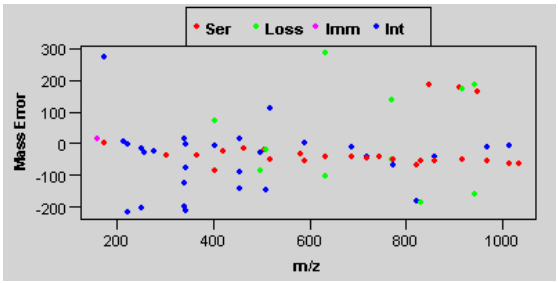
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1195.5702	598.2887
308.1241	---	3	G 9	1032.5069	516.7571
436.2191	218.6132	4	K 8	975.4854	488.2463
564.2776	282.6425	5	Q 7	847.3904	424.1989
635.3148	318.1610	6	A 6	719.3319	360.1696
749.3577	375.1825	7	N 5	648.2947	324.6510
850.4054	425.7063	8	T 4	534.2518	267.6295
979.4480	490.2276	9	E 3	433.2041	217.1057
1108.4905	554.7489	10	E 2	304.1615	152.5844
---	---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNWRDPDQTDGLGLSYLSSHIANVER^{+4}



Max Intensity: **493**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.8%** Matched Series Intensity: **99.7%**



Sequence: SYNWRDPDQTDGLGLSYLSSHIANVER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C134 H202 N39 O46

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
3095.3323	3093.4661	1548.1699	1547.2367	1032.4491	1031.8269	774.5887	774.1220

[–] Peak Matches

159.0942	175.1189	178.0856	213.0884	223.1069	251.0991	258.1373	278.1064	304.1498	341.1509
W(16)	SS(272) y_1(-0.30)		QT-NH_3(6.6) DP(6.6) PD(6.6)	a_2(-3.7) SY-28(-3.7) HI-28(-217)	b_2(-14) SY(-14) HI(-204)	DGL-28(-29) GLS(-29)	YN(-26)	y_2(-39)	PDQ(16) RDP-28(-124) GLGL(-198)
343.1605	**365.1324**	**403.1950**	**419.7201**	**456.1800**	**463.2389**	**498.2055**	**506.7523**	**509.1966**	**517.2468**
NVE(-2.1) DGLG(-2.1) WR(-79) LGLS-28(-214)	b_3(-36)	b_6-NH_3^{+2}(70) GLSY-H_2O(-6.4) y_3(-87)	y_7^{+2}(-24)	DPDQ(16) RDPD-28(-88) DGLGL(-143)	y_8^{+2}(-16)	QTDGL-NH_3(-28) y_9-NH_3^{+2}(-87)	y_9^{+2}(-19)	b_8-NH_3^{+2}(-20) IANVE-H_2O(-148)	DQTDG(112) y_4(-50)
581.7306	**588.2791**	**632.2460**	**688.3235**	**718.2648**	**744.8632**	**769.5800**	**769.9693**	**773.3657**	**822.2979**
b_9^{+2}(-32)	YLSSH(2.5) y_5(-53)	y_{23}-H_2O^{+4}(286) b_{10}^{+2}(-43) y_{23}-NH_3^{+4}(-103)	DGLGLSY-H_2O(-9.5) y_{12}^{+2}(-41)	YNWRD-NH_3(-41) b_{12}^{+2}(-45)	y_{13}^{+2}(-41)	MH-H_2O^{+4}(-51)	MH-NH_3^{+4}(135)	y_{14}^{+2}(-50) GLGLSYLS-H_2O(-69)	b_6(-67) LSSHIANV(-181)
829.9002	**848.5794**	**858.4119**	**910.6071**	**915.9260**	**942.6343**	**948.6182**	**966.4411**	**1012.4529**	**1034.3651**
y_{15}^{+2}(-56) b_{22}-H_2O^{+3}(-187)	y_{23}^{+3}(187)	YLSSHIAN-28(-41) y_{16}^{+2}(-53)	y_{24}^{+3}(175)	a_{25}-NH_3^{+3}(172) y_{17}^{+2}(-49)	y_{25}-H_2O^{+3}(187) y_{25}-NH_3^{+3}(-161)	y_{25}^{+3}(165)	PDQTDGLGLS-H_2O(-12) y_{18}^{+2}(-55)	DPDQTDGLGL(-5.2) y_9(-63)	b_8(-65)

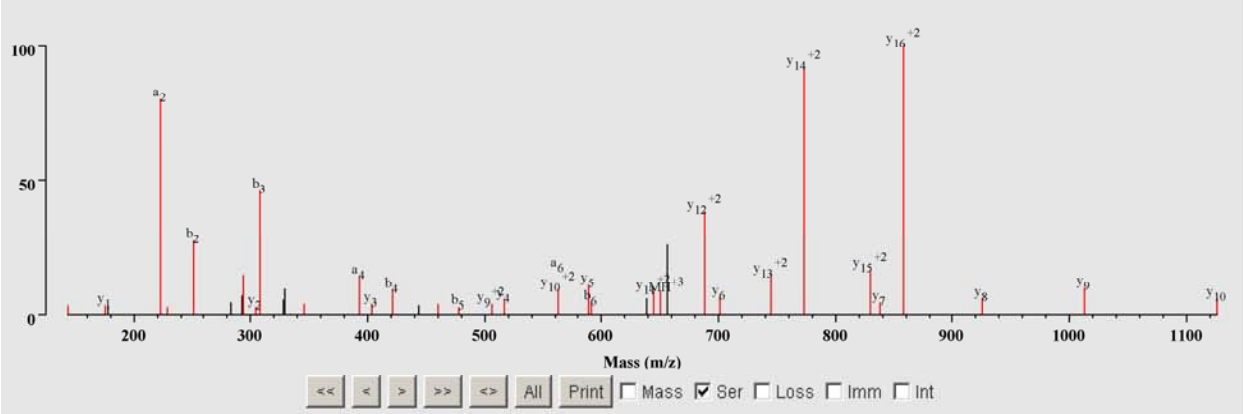
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	27	---	---
251.1026	---	2	Y	26	3006.4340	1503.7207
365.1456	---	3	N	25	2843.3707	1422.1890
551.2249	---	4	W	24	2729.3278	1365.1675
707.3260	354.1666	5	R	23	2543.2485	1272.1279
822.3529	411.6801	6	D	22	2387.1474	1194.0773
919.4057	460.2065	7	P	21	2272.1204	1136.5638
1034.4326	517.7200	8	D	20	2175.0677	1088.0375
1162.4912	581.7492	9	Q	19	2060.0407	1030.5240
1263.5389	632.2731	10	T	18	1931.9821	966.4947
1378.5658	689.7866	11	D	17	1830.9345	915.9709
1435.5873	718.2973	12	G	16	1715.9075	858.4574
1548.6714	774.8393	13	L	15	1658.8860	829.9467
1605.6928	803.3501	14	G	14	1545.8020	773.4046

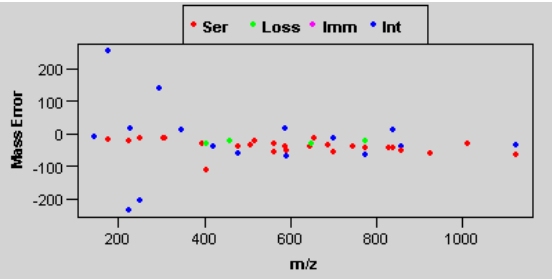
1718.7769	859.8921	15	**L**	13	1488.7805	744.8939
1805.8089	903.4081	16	**S**	12	1375.6965	688.3519
1968.8722	984.9398	17	**Y**	11	1288.6644	644.8359
2081.9563	1041.4818	18	**L**	10	1125.6011	563.3042
2168.9883	1084.9978	19	**S**	9	1012.5170	506.7622
2256.0204	1128.5138	20	**S**	8	925.4850	463.2461
2393.0793	1197.0433	21	**H**	7	838.4530	419.7301
2506.1633	1253.5853	22	**I**	6	701.3941	351.2007
2577.2005	1289.1039	23	**A**	5	588.3100	294.6586
2691.2434	1346.1253	24	**N**	4	517.2729	259.1401
2790.3118	1395.6595	25	**V**	3	403.2300	202.1186
2919.3544	1460.1808	26	**E**	2	304.1615	152.5844
---	---	27	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLGLSYLSSHIANVER^{+3}



Max Intensity: **29.5**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **89.9%** Matched Series Intensity: **89.6%**



Sequence: SYGLGLSYLSSHIANVER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C87 H137 N24 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1967.2023	1966.0029	984.1049	983.5051	656.4057	656.0058

[–] Peak Matches

143.1166	175.1158	178.0839	223.1028	228.1378	251.0989	283.2588	292.2130	294.2339	304.1569
GL-28(-9.0) LG-28(-9.0)	SS(254) y_1(-18)		SY-28(-22) a_2(-22) HI-28(-235)	GLG(15)	SY(-15) b_2(-15) HI(-204)			HIA-28(141)	y_2(-15)
308.1194	**328.2324**	**329.2654**	**346.1795**	**393.2007**	**403.1850**	**421.1911**	**443.1854**	**460.2089**	**478.2111**
b_3(-15)			SYL-H_2O(9.7) LSY-H_2O(9.7) YLS-H_2O(9.7)	GLSY-28(-32) a_4(-32)	GLSY-H_2O(-31) b_4-H_2O(-31) y_3(-111)	b_4(-41) GLSY(-41)		b_5-H_2O(-22)	b_5(-39) SSHIA-H_2O(-62)
506.7435	**517.2620**	**563.2859**	**588.2870**	**591.2840**	**638.3172**	**644.8110**	**649.9833**	**655.9978**	**656.3275**
y_9^{+2}(-37)	y_4(-21)	y_{10}^{+2}(-32) GLGLSY-28(-58) YGLGLS-28(-58) a_6(-58)	YLSSH(16) y_5(-39)	GLGLSY(-50) YGLGLS(-50) b_6(-50) LSSHIA-H_2O(-69)		y_{11}^{+2}(-39)	MH-H_2O^{+3}(-29)	MH^{+3}(-12)	
688.3266	**701.3535**	**744.8637**	**773.3700**	**829.9098**	**838.4159**	**858.4146**	**925.4276**	**1012.4846**	**1125.5304**
y_{12}^{+2}(-37)	YLSSHI(-12) y_6(-58)	y_{13}^{+2}(-41)	b_{15}-H_2O^{+2}(-24) y_{14}^{+2}(-45) GLGLSYLS-H_2O(-64)	y_{15}^{+2}(-44)	SSHIANVE(13) y_7(-44)	YLSSHIAN-28(-38) y_{16}^{+2}(-50)	y_8(-62)	y_9(-32)	GLSYLSSHIAN-H_2O(-34) y_{10}(-63)

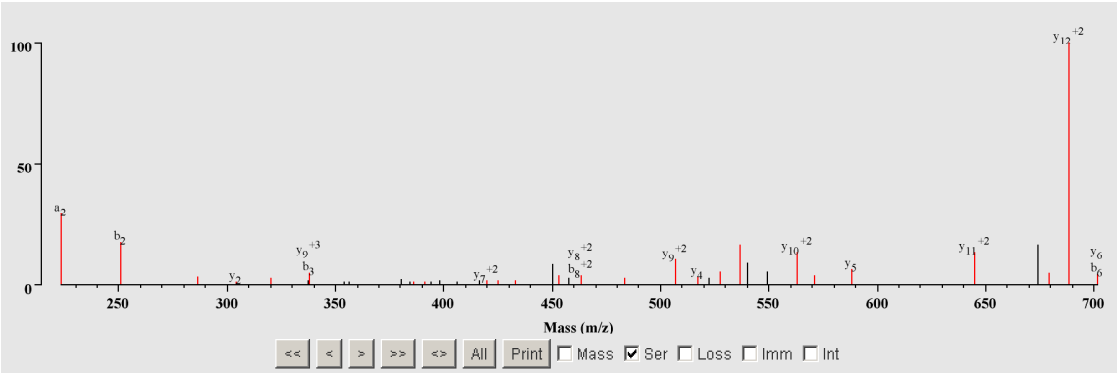
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	18 ---	---
251.1026	---	2	Y	17 1878.9708	939.9891
308.1241	---	3	G	16 1715.9075	858.4574
421.2082	---	4	L	15 1658.8860	829.9467
478.2296	---	5	G	14 1545.8020	773.4046
591.3137	---	6	L	13 1488.7805	744.8939
678.3457	---	7	S	12 1375.6965	688.3519
841.4090	---	8	Y	11 1288.6644	644.8359
954.4931	---	9	L	10 1125.6011	563.3042
1041.5251	---	10	S	9 1012.5170	506.7622
1128.5572	---	11	S	8 925.4850	463.2461
1265.6161	633.3117	12	H	7 838.4530	419.7301
1378.7001	689.8537	13	I	6 701.3941	351.2007

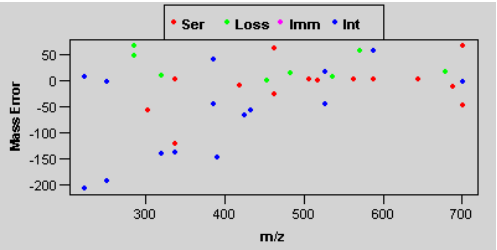
1449.7373	725.3723	14	**A**	5	588.3100	294.6586
1563.7802	782.3937	15	**N**	4	517.2729	259.1401
1662.8486	831.9279	16	**V**	3	403.2300	202.1186
1791.8912	896.4492	17	**E**	2	304.1615	152.5844
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYLSSHIANVER^{+3}



Max Intensity: **38.3**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **81.4%** Matched Series Intensity: **80.4%**



Sequence SYSYLSSHIANVER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C71 H109 N20 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1626.7769	1625.7918	813.8921	813.3995	542.9306	542.6021

[–] **Peak Matches**

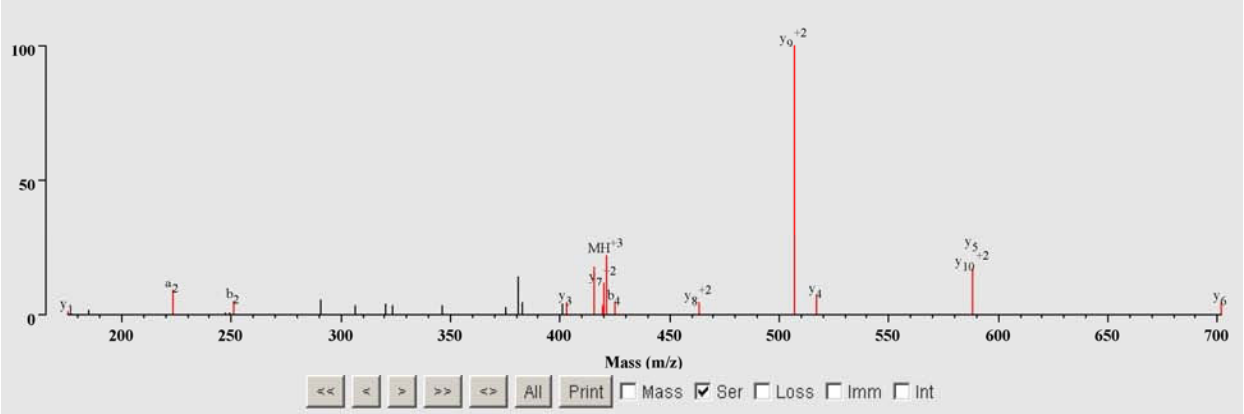
223.1089	251.1018	286.1642	304.1442	320.1269	337.1773	338.1355	354.1017	356.1544	380.1620
YS-28(5.3) a_2(5.3) SY-28(5.3) HI-28(-208)	b_2(-3.3) YS(-3.3) SY(-3.3) HI(-193)	y_5-NH_3^{+2}(66) y_2-H_2O(46)	y_2(-57)	b_3-H_2O(8.8) SHI-H_2O(-140)		b_3(2.5) y_9^{+3}(-123) SHI(-138)			
384.1469	**386.1862**	**391.1509**	**394.0893**	**398.0652**	**406.1074**	**416.1487**	**419.7260**	**425.1859**	**433.1830**
	YSY-28(39) y_3-NH_3(-45) ANVE-28(-45)	SHIA-H_2O(-148)					y_7^{+2}(-9.8)	SSHI(-67) LSSH(-67)	YLSS-H_2O(-58) SYLS-H_2O(-58)
449.9244	**453.2326**	**457.5685**	**463.2339**	**483.1937**	**506.7629**	**517.2729**	**522.1919**	**527.2581**	**536.6020**
	y_{12}-H_2O^{+3}(-1.9)		b_8^{+2}(60) y_8^{+2}(-26)	b_4-H_2O(13)	y_9^{+2}(1.5)	y_4(0.026)		YSYL(15) IANVE(-46)	MH-H_2O^{+3}(6.3)
540.2913	**549.3412**	**563.3053**	**571.3162**	**588.3109**	**644.8373**	**674.3835**	**679.3570**	**688.3429**	**701.3597**
		y_{10}^{+2}(2.0)	y_5-NH_3(57)	YLSSH(57) y_5(1.5)	y_{11}^{+2}(2.2)		y_{12}-H_2O^{+2}(15)	y_{12}^{+2}(-13)	YSYLSS(65) b_6(65) YLSSHI(-2.9) y_6(-49)

[–] **Main Sequence Ions**

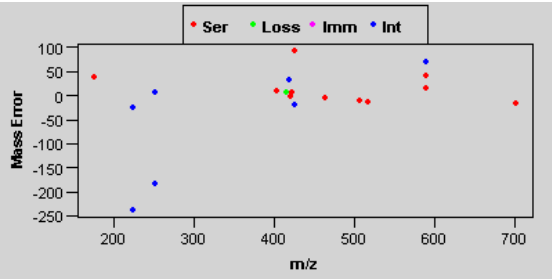
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1538.7598	769.8835
338.1347	---	3	S 12	1375.6965	688.3519
501.1980	---	4	Y 11	1288.6644	644.8359
614.2821	---	5	L 10	1125.6011	563.3042
701.3141	---	6	S 9	1012.5170	506.7622
788.3461	---	7	S 8	925.4850	463.2461
925.4050	463.2061	8	H 7	838.4530	419.7301
1038.4891	519.7482	9	I 6	701.3941	351.2007
1109.5262	555.2667	10	A 5	588.3100	294.6586
1223.5691	612.2882	11	N 4	517.2729	259.1401
1322.6375	661.8224	12	V 3	403.2300	202.1186
1451.6801	726.3437	13	E 2	304.1615	152.5844
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSHIANVER^{+3}



Max Intensity: **5.76**
Num Matched: **14/26 (46.2% unmatched)** Matched Intensity: **81.7%** Matched Series Intensity: **78.4%**



Sequence SYSSHIANVER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C53 H84 N17 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1263.3605	1262.6124	632.1840	631.8098	421.7918	421.5423

[–] Peak Matches

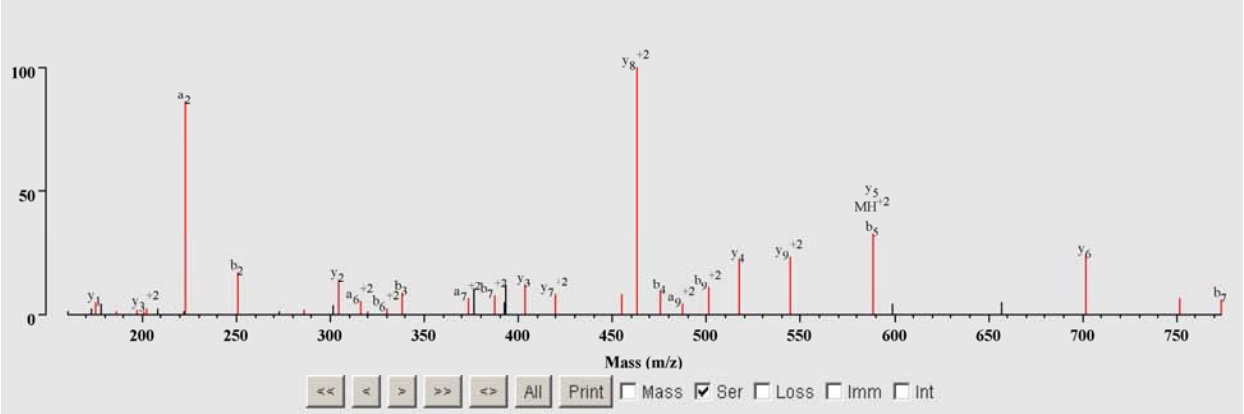
175.1257	185.0035	223.1021	247.1009	249.0088	251.1039	291.0899	306.3428	320.3350	323.3605
y_1(39)		a_2(-25) YS-28(-25) HI-28(-239)			b_2(5.0) YS(5.0) HI(-185)				
346.3481	**375.0408**	**381.0874**	**383.0871**	**401.1457**	**403.2334**	**415.5416**	**419.2170**	**419.7287**	**421.5455**
					y_3(8.5)	MH-H_2O^{+3}(6.8)	HIAN-NH_3(32)	y_7^{+2}(-3.4)	MH^{+3}(7.6)
425.2063	**463.2434**	**506.7562**	**517.2662**	**588.3183**	**701.3816**				
b_4(93) SSHI(-19)	y_8^{+2}(-5.9)	y_9^{+2}(-12)	y_4(-13)	YSSHI(69) y_{10}^{+2}(42) y_5(14)	y_6(-18)				

[–] Main Sequence Ions

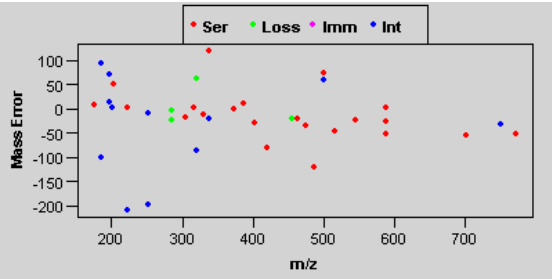
b	b^{+2}				y	y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1175.5804	588.2938
338.1347	---	3	S	9	1012.5170	506.7622
425.1667	---	4	S	8	925.4850	463.2461
562.2256	281.6164	5	H	7	838.4530	419.7301
675.3097	338.1585	6	I	6	701.3941	351.2007
746.3468	373.6770	7	A	5	588.3100	294.6586
860.3897	430.6985	8	N	4	517.2729	259.1401
959.4581	480.2327	9	V	3	403.2300	202.1186
1088.5007	544.7540	10	E	2	304.1615	152.5844
---	---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSHIANVER^{+3}



Max Intensity: **234**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **88.8%** Matched Series Intensity: **88.3%**



Sequence SYSHIANVER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C50 H79 N16 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1176.2818	1175.5804	588.6446	588.2938	392.7656	392.5316

[–] Peak Matches

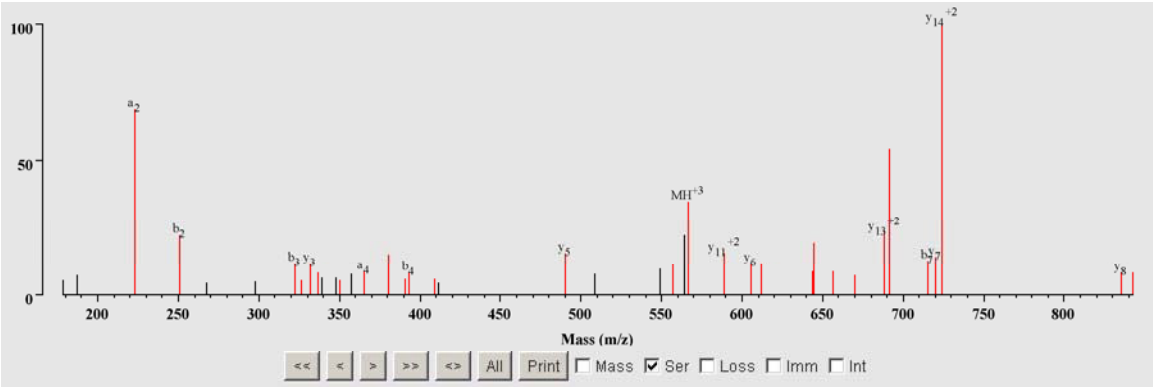
160.0769	173.1297	175.1202	178.0894	186.1048	197.1059	201.1240	202.1291	208.0760	222.1115
		y_1(7.1)		AN(94) NV-28(-102)	NV-NH_3(70) SH-28(13)	VE-28(3.1)	y_3^{+2}(52)		
223.1084	**251.1006**	**273.1339**	**286.1445**	**301.1223**	**304.1564**	**316.1640**	**320.1442**	**330.1573**	**338.1754**
YS-28(3.1) a_2(3.1) HI-28(-210)	b_2(-8.1) YS(-8.1) HI(-198)		y_5-NH_3^{+2}(-3.0) y_2-H_2O(-23)		y_2(-17)	a_6^{+2}(1.4)	b_3-H_2O(63) SHI-H_2O(-86)	b_6^{+2}(-11)	b_3(120) SHI(-20)
373.1853	**376.1987**	**387.1862**	**392.1928**	**393.1923**	**403.2179**	**419.6962**	**454.7238**	**463.2369**	**475.1773**
a_7^{+2}(0.75)		b_7^{+2}(9.6)			y_3(-30)	y_7^{+2}(-81)	y_8-NH_3^{+2}(-20)	y_8^{+2}(-20)	b_4(-34)
487.1819	**501.2751**	**517.2489**	**544.7651**	**588.2791**	**599.2532**	**657.2280**	**701.3549**	**751.3497**	**773.3183**
a_9^{+2}(-120)	b_9^{+2}(74) YSHI(59)	y_4(-46)	y_9^{+2}(-23)	b_5(2.5) MH^{+2}(-25) y_5(-53)			y_6(-56)	SHIANVE(-31)	b_7(-51)

[–] Main Sequence Ions

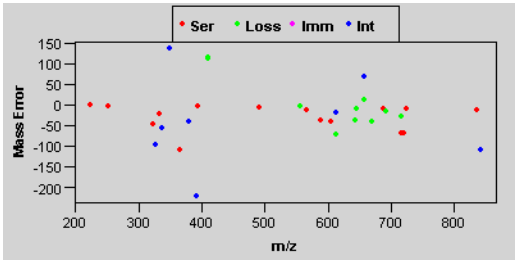
b	b^{+2}			y	y^{+2}
---	---	1	S 10	---	---
251.1026	---	2	Y 9	1088.5483	544.7778
338.1347	---	3	S 8	925.4850	463.2461
475.1936	238.1004	4	H 7	838.4530	419.7301
588.2776	294.6425	5	I 6	701.3941	351.2007
659.3148	330.1610	6	A 5	588.3100	294.6586
773.3577	387.1825	7	N 4	517.2729	259.1401
872.4261	436.7167	8	V 3	403.2300	202.1186
1001.4687	501.2380	9	E 2	304.1615	152.5844
---	---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAQHGM(Oxidation)DDDGTGQK^{+3}



Max Intensity: **1.96**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **86.1%** Matched Series Intensity: **85.3%**



Sequence SYAAQHGM(Oxidation)DDDGTGQK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C67 H102 N21 O29 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1697.5828	1696.6868	849.2951	848.8470	566.5325	566.2338

[–] **Peak Matches**

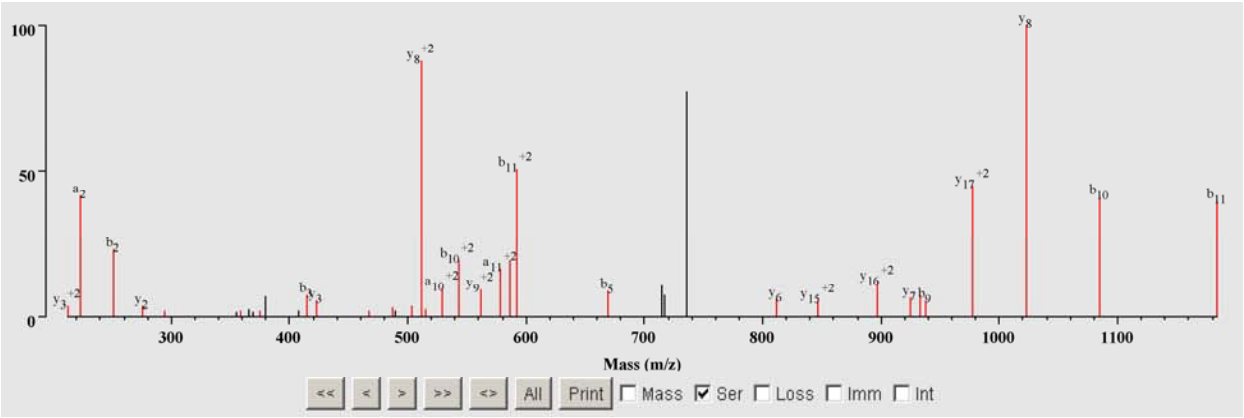
178.0758	187.0659	223.1074	251.1018	267.1808	298.1200	322.1247	326.1138	332.1858	337.1432
		a_2(-1.4)	b_2(-3.3)			b_3(-47)	GTGQ-H_2O(-98)	y_3(-21)	AQH(-55)
339.1117	**348.1617**	**350.1496**	**357.1180**	**365.1419**	**380.1881**	**391.0856**	**393.1754**	**409.2155**	**411.1823**
		M(Oxidation)DD-28(137)		a_4(-110)	AAQH-28(-42)	AAQH-NH_3(-222)	b_4(-3.7)	a_8-NH_3^{+2}(115) y_8-H_2O^{+2}(112)	
490.2590	**508.1664**	**549.2110**	**556.7318**	**564.2363**	**566.2256**	**588.7105**	**605.2641**	**612.2443**	**643.7317**
y_5(-6.1)			y_{11}-$SOCH_4^{+2}$(-3.6)		MH^{+3}(-14)	y_{11}^{+2}(-38)	y_6(-41)	AAQHGM(Oxidation)(-19) a_6-H_2O(-73)	y_{12}-H_2O^{+2}(-39)
644.2433	**656.2897**	**670.2671**	**688.2750**	**691.7882**	**715.2660**	**720.2666**	**723.7917**	**835.3332**	**842.2165**
y_{12}-NH_3^{+2}(-8.8)	AQHGM(Oxidation)D(67) y_{13}-$SOCH_4^{+2}$(12)	a_7-NH_3(-41)	y_{13}^{+2}(-8.4)	y_{14}-$SOCH_4^{+2}$(-17)	y_{14}-NH_3^{+2}(-28) b_7(-70)	y_7(-68)	y_{14}^{+2}(-11)	y_8(-12)	AAQHGM(Oxidation)DD(-111)

[–] **Main Sequence Ions**

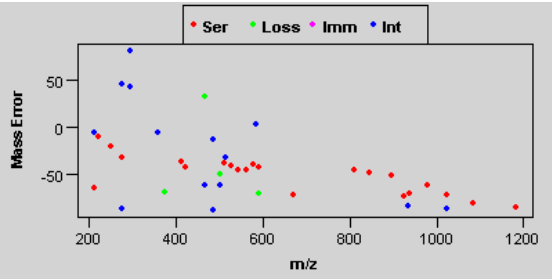
b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1609.6547	805.3310
322.1397	---	3	**A**	14	1446.5914	723.7993
393.1769	---	4	**A**	13	1375.5543	688.2808
521.2354	---	5	**Q**	12	1304.5172	652.7622
658.2944	329.6508	6	**H**	11	1176.4586	588.7329
715.3158	358.1615	7	**G**	10	1039.3997	520.2035
862.3512	431.6792	8	**M(Oxidation)**	9	982.3782	491.6927
977.3782	489.1927	9	**D**	8	835.3428	418.1750
1092.4051	546.7062	10	**D**	7	720.3159	360.6616
1207.4320	604.2197	11	**D**	6	605.2889	303.1481
1264.4535	632.7304	12	**G**	5	490.2620	245.6346
1365.5012	683.2542	13	**T**	4	433.2405	217.1239
1422.5226	711.7650	14	**G**	3	332.1928	166.6001
1550.5812	775.7943	15	**Q**	2	275.1714	138.0893
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYVRPGGGFVPNFQLFEK^{+3}



Max Intensity: **60.1**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **83.9%** Matched Series Intensity: **83.9%**



Sequence SYYVRPGGGFVPNFQLFEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C106 H150 N25 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2206.5244	2205.1128	1103.7659	1103.0600	736.1797	735.7091

[–] Peak Matches

212.1018	223.1055	251.0976	276.1466	294.1688	355.1616	359.1696	366.1294	369.1506	375.1587
PGG(-5.5) PN(-5.5) y_3^{+2}(-65)	a_2(-9.9)	b_2(-20)	FQ(45) y_2(-32) GFV-28(-87)	VPN-NH_3(81) RPG-NH_3(43)		PNF(-5.0)			b_6-NH_3^{+2}(-69)
379.2057	**407.1935**	**414.1511**	**423.2055**	**467.2438**	**487.2237**	**489.2583**	**503.2306**	**511.7495**	**515.2450**
		b_3(-36)	y_3(-43)	a_4-H_2O(32) VRPGG(-61)	PNFQ(-13) PGGGFV-28(-88) GFVPN-28(-88) GGGFVP-28(-88)		y_8-NH_3^{+2}(-50) NFQL(-61)	y_8^{+2}(-38)	PGGGFV(-32) GFVPN(-32) GGGFVP(-32)
528.7450	**542.7393**	**561.2775**	**578.2777**	**586.2999**	**592.2728**	**669.2871**	**714.3415**	**717.3571**	**735.3555**
a_{10}^{+2}(-41)	b_{10}^{+2}(-46)	y_9^{+2}(-46)	a_{11}^{+2}(-40)	VPNFQ(2.6)	b_{11}^{+2}(-43) y_{16}-NH_3^{+3}(-70)	b_5(-72)			
811.3980	**846.9054**	**896.4350**	**925.4104**	**933.4163**	**937.3874**	**977.9518**	**1022.4565**	**1084.4333**	**1183.4889**
y_6(-45)	y_{15}^{+2}(-48)	y_{16}^{+2}(-51)	y_7(-73)	YVRPGGGFV(-83)	b_9(-70)	y_{17}^{+2}(-62)	y_8(-72) GFVPNFQLF-28(-87)	b_{10}(-81)	b_{11}(-85)

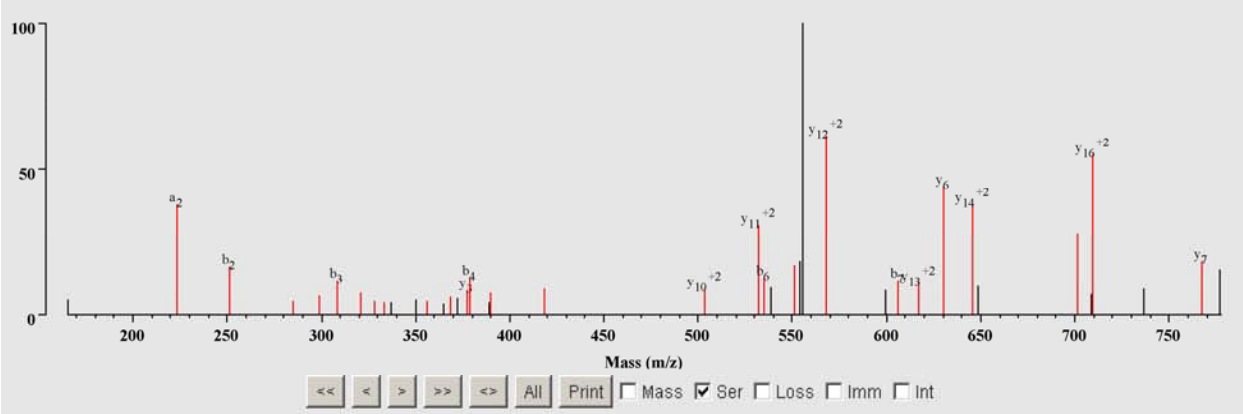
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 19	---	---
251.1026	---	2	Y 18	2118.0807	1059.5440
414.1660	---	3	Y 17	1955.0174	978.0123
513.2344	---	4	V 16	1791.9541	896.4807
669.3355	335.1714	5	R 15	1692.8857	846.9465
766.3883	383.6978	6	P 14	1536.7845	768.8959
823.4097	412.2085	7	G 13	1439.7318	720.3695
880.4312	440.7192	8	G 12	1382.7103	691.8588
937.4526	469.2300	9	G 11	1325.6888	663.3481
1084.5211	542.7642	10	F 10	1268.6674	634.8373
1183.5895	592.2984	11	V 9	1121.5990	561.3031
1280.6422	640.8248	12	P 8	1022.5306	511.7689
1394.6852	697.8462	13	N 7	925.4778	463.2425
1541.7536	771.3804	14	F 6	811.4349	406.2211
1669.8122	835.4097	15	Q 5	664.3665	332.6869

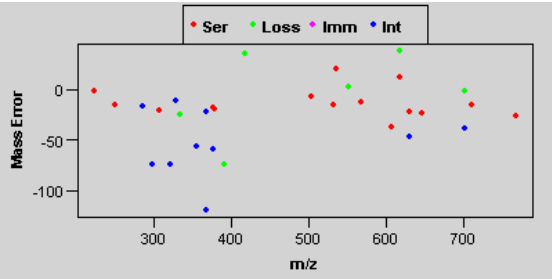
1782.8962	891.9517	16	**L**	4	536.3079	268.6576
1929.9646	965.4860	17	**F**	3	423.2238	212.1155
2059.0072	1030.0072	18	**E**	2	276.1554	138.5813
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGAGVAGPAAHPGVSDR^{+3}



Max Intensity: **6.99**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **70.0%** Matched Series Intensity: **69.7%**



Sequence: SYGAGVAGPAAHPGVSDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C71 H110 N23 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1669.8050	1668.8089	835.4062	834.9081	557.2733	556.9411

[–] Peak Matches

165.0738	223.1074	251.0988	285.1509	299.1489	308.1176	321.1317	328.1939	333.1474	337.1119
	a_2(-1.4)	b_2(-15)	GAGV(-17) GVAG(-17)	AGVA(-75)	b_3(-21)	YGAG-28(-75)	GAGVA-28(-12) AGVAG-28(-12)	a_4-H_2O(-25)	
350.1673	**356.1724**	**365.1979**	**368.1849**	**372.1822**	**377.1711**	**379.1535**	**389.1470**	**390.1484**	**418.1867**
	GAGVA(-57) AGVAG(-57)		AGPAA(-22) VAGPA-28(-120)		y_3(-18) PAAH(-59) AAHP(-59)	b_4(-20)		a_5-H_2O(-74)	b_5-H_2O(35)
503.7529	**532.2595**	**535.2619**	**538.2891**	**551.2670**	**554.3046**	**555.2789**	**567.7790**	**599.8227**	**606.2658**
y_{10}^{+2}(-7.9)	y_{11}^{+2}(-15)	b_6(20)		MH-NH_3^{+3}(2.5)			y_{12}^{+2}(-13)		b_7(-37)
617.3277	**630.3061**	**645.8155**	**648.2761**	**701.3458**	**708.8355**	**709.8489**	**736.8394**	**767.3588**	**777.3123**
a_8-H_2O(38) y_{13}^{+2}(12)	y_6(-23) PAAHPGV(-47)	y_{14}^{+2}(-24)		y_{16}-NH_3^{+2}(-1.9) VAGPAAHP(-39)		y_{16}^{+2}(-16)		y_7(-27)	

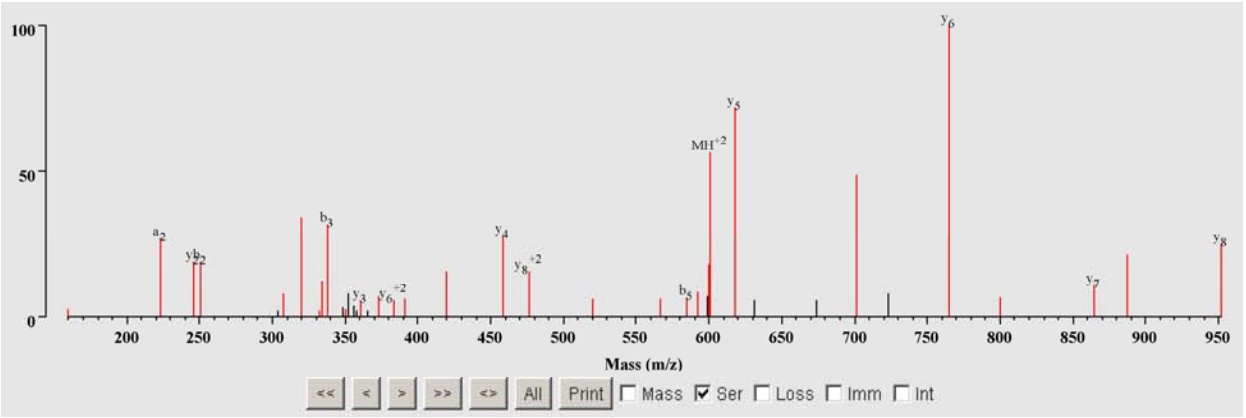
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	18	---	---
251.1026	---	2	Y	17	1581.7768	791.3921
308.1241	---	3	G	16	1418.7135	709.8604
379.1612	---	4	A	15	1361.6920	681.3497
436.1827	---	5	G	14	1290.6549	645.8311
535.2511	---	6	V	13	1233.6335	617.3204
606.2882	---	7	A	12	1134.5650	567.7862
663.3097	---	8	G	11	1063.5279	532.2676
760.3624	---	9	P	10	1006.5065	503.7569
831.3995	---	10	A	9	909.4537	455.2305
902.4367	---	11	A	8	838.4166	419.7119
1039.4956	520.2514	12	H	7	767.3795	384.1934
1136.5483	568.7778	13	P	6	630.3206	315.6639
1193.5698	597.2885	14	G	5	533.2678	267.1375
1292.6382	646.8227	15	V	4	476.2463	238.6268
1379.6702	690.3388	16	S	3	377.1779	189.0926
1494.6972	747.8522	17	D	2	290.1459	145.5766

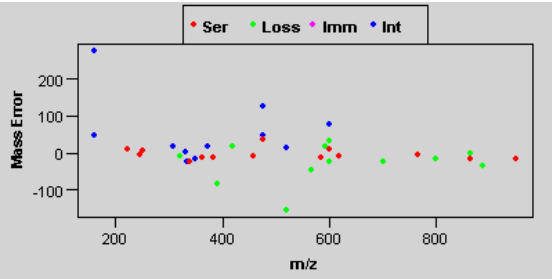
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVM(Oxidation)C(Carbamidomethyl)PDAR^{+2}



Max Intensity: **9.55**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **93.2%** Matched Series Intensity: **92.4%**



Sequence: SYSVM(Oxidation)C(Carbamidomethyl)PDAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C48 H77 N14 O18 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1202.0313	1201.4976	601.5194	601.2524

[–] Peak Matches

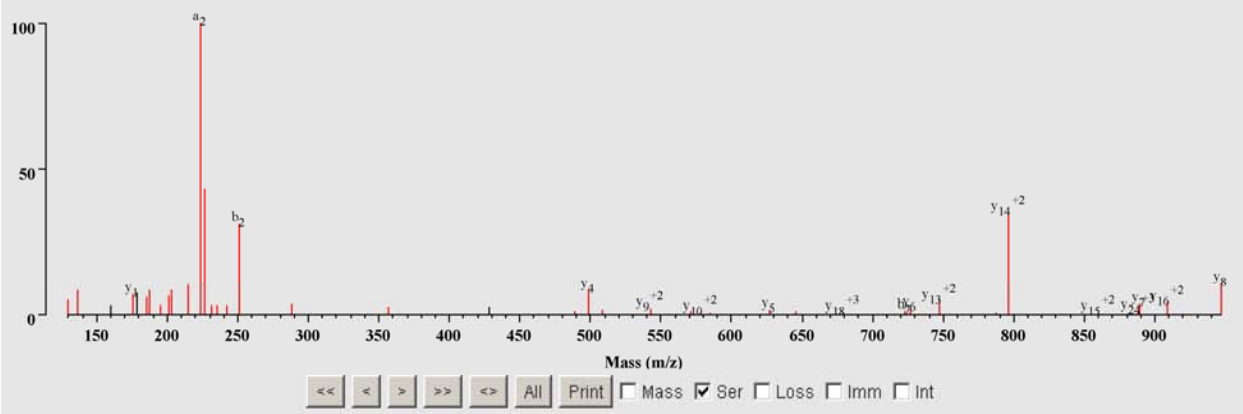
159.1203	223.1096	246.1552	251.1042	304.1623	308.0789	320.1211	332.1612	334.1359	338.1271
DA-28 (276) SV-28(47)	YS-28 (8.4) a_2(8.4)	y_2(-3.5)	YS(6.2) b_2(6.2)		M(Oxidation)C (Carbamidomethyl)(18)	b_3-H_2O(-9.4)	YSV-H_2O(2.2)	SVM(Oxidation) (-22)	b_3(-22)
348.1277	**350.1651**	**352.1552**	**356.1416**	**358.1790**	**361.1786**	**365.1505**	**373.1247**	**383.1501**	**391.1657**
	YSV(-17)				y_3(-12)		C(Carbamidomethyl)PD (19)	y_6^{+2}(-12)	a_4-H_2O(-82)
419.1993	**458.2316**	**476.2227**	**520.1593**	**566.2008**	**584.2316**	**592.2572**	**599.2365**	**600.2425**	**601.2586**
b_4-H_2O (16)	y_4(-9.1)	SVM(Oxidation)C (Carbamidomethyl)-H_2O(125) VM(Oxidation)C (Carbamidomethyl)P-28(49) y_8^{+2}(38)	M(Oxidation)C (Carbamidomethyl)PD(12) b_5-$SOCH_4$(-155)	b_5-H_2O(-48)	b_5(-12)	MH-H_2O^{+2} (17)		y_5-H_2O(-22)	VM(Oxidation)C (Carbamidomethyl)PD-H_2O(79) y_5-NH_3(31) MH^{+2}(10)
618.2618	**631.2999**	**674.2455**	**701.2860**	**723.3490**	**765.2972**	**800.3580**	**864.3551**	**887.3722**	**951.3855**
y_5(-7.5)			y_6-$SOCH_4$(-25)		y_6(-6.0)	y_7-$SOCH_4$(-17)	a_8-$SOCH_4$(-0.61) y_7(-18)	y_8-$SOCH_4$(-36)	y_8(-18)

[–] Main Sequence Ions

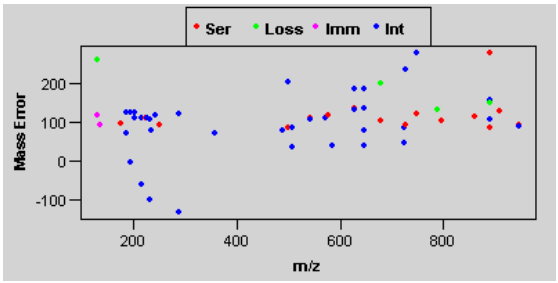
b			y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1114.4656	557.7364
338.1347	3	S	8	951.4023	476.2048
437.2031	4	V	7	864.3702	432.6888
584.2385	5	M(Oxidation)	6	765.3018	383.1545
744.2691	6	C(Carbamidomethyl)	5	618.2664	309.6368
841.3219	7	P	4	458.2358	229.6215
956.3488	8	D	3	361.1830	181.0951
1027.3859	9	A	2	246.1561	123.5817
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVDSGNDVTDIADDGC(Carbamidomethyl)PKPPEIAHGYVEHSVR^{+4}



Max Intensity: **9.44**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **96.3%** Matched Series Intensity: **97.1%**



Sequence SYVDSGNDVTDIADDGC(Carbamidomethyl)PKPPEIAHGYVEHSVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C153 H232 N43 O56 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
3601.7024	3599.6343	1801.3549	1800.3208	1201.2391	1200.5496	901.1812	900.6640

[–] Peak Matches

129.1175	136.0879	160.0860	175.1356	178.1028	185.0688	187.1308	195.1120	201.1455	203.0912
y_2-NH_3^{+2}(259) K(118)	Y(90)		y_1(95)		DS-H_2O(71)	SV(123) DV-28(123) VD-28(123)	HG(125) PP(-4.1)	VE-28(110) DI-28(110) VT(110)	DD-28(123) DS(123)
215.1259	**223.1320**	**226.1798**	**231.0857**	**235.1623**	**242.1056**	**251.1258**	**288.1170**	**357.1289**	**428.2269**
DV(108) VD(108) EI-28(-61)	a_2(109)	KP(110) PK(110)	DD(106) SGN-28(-100)	YV-28(77)	SGN-NH_3(118) DSG-H_2O(118)	b_2(92)	DDG(119) VTD-28(-133) DVT-28(-133)	SGND-NH_3(69) DSGN-NH_3(69)	
489.1951	**498.3204**	**508.2938**	**542.3297**	**571.2625**	**577.8553**	**585.2367**	**627.4064**	**645.3850**	**678.4086**
DSGND(77)	TDIAD-H_2O(203) y_4(84)	EIAHG(83) PPEIA(34)	y_9^{+2}(110) IAHGY(106)	DSGNDV-NH_3(110) VDSGND-NH_3(110)	y_{10}^{+2}(115)	GNDVTD-NH_3(37)	DGC(Carbamidomethyl)PKP-28(183) y_5(136) PPEIAH-H_2O(130)	DDGC(Carbamidomethyl)PK-28(184) GYVEHS-28(133) PPEIAH(77) PKPPEI-NH_3(38)	a_7-NH_3(200) y_{18}^{+3}(103)
723.3552	**726.4565**	**747.4685**	**787.0021**	**795.9852**	**860.0500**	**888.6683**	**889.5263**	**908.5941**	**946.5625**
b_7(84) YVDSGND-28(84) HGYVEH(47)	ADDGC(Carbamidomethyl)PK-H_2O(233) y_6(92)	DIADDGC(Carbamidomethyl)(277) y_{13}^{+2}(121)	y_{14}-H_2O^{+2}(130)	y_{14}^{+2}(101)	y_{15}^{+2}(114)	y_{24}^{+3}(277)	DSGNDVTDI-28(154) a_{26}-NH_3^{+3}(149) IAHGYVEH-H_2O(107) y_7(83)	y_{16}^{+2}(127)	y_8(93) PPEIAHGYV-H_2O(89)

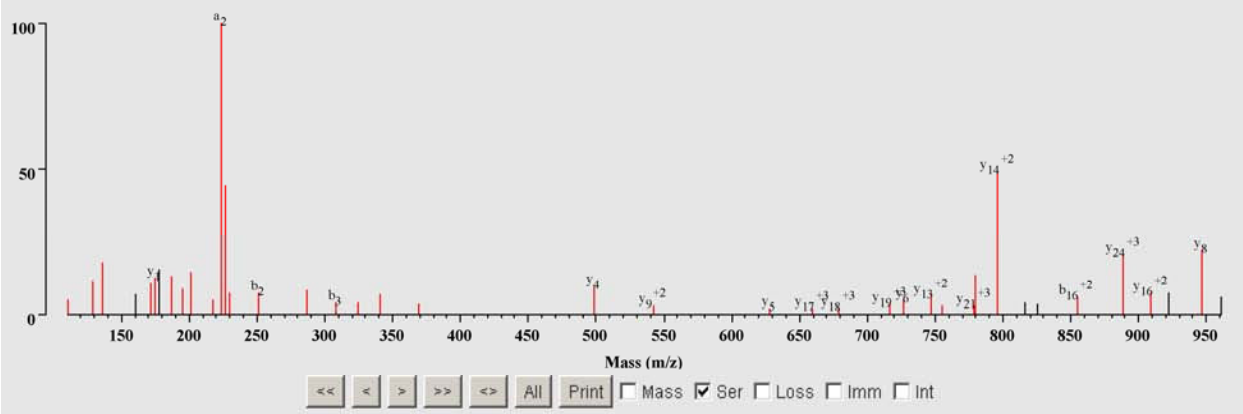
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	33 ---	---
251.1026	---	2	Y	32 3512.6023	1756.8048
350.1710	---	3	V	31 3349.5390	1675.2731
465.1980	---	4	D	30 3250.4706	1625.7389
552.2300	---	5	S	29 3135.4436	1568.2254
609.2515	---	6	G	28 3048.4116	1524.7094
723.2944	---	7	N	27 2991.3901	1496.1987
838.3214	---	8	D	26 2877.3472	1439.1772
937.3898	---	9	V	25 2762.3203	1381.6638
1038.4374	---	10	T	24 2663.2518	1332.1296
1153.4644	---	11	D	23 2562.2042	1281.6057
1266.5485	---	12	I	22 2447.1772	1224.0922

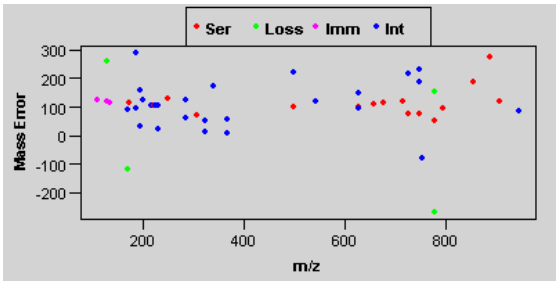
1337.5856	---	13	**A**	21	2334.0932	1167.5502
1452.6125	---	14	**D**	20	2263.0560	1132.0317
1567.6395	---	15	**D**	19	2148.0291	1074.5182
1624.6609	---	16	**G**	18	2033.0022	1017.0047
1784.6916	---	17	**C(Carbamidomethyl)**	17	1975.9807	988.4940
1881.7443	---	18	**P**	16	1815.9500	908.4787
2009.8393	1005.4233	19	**K**	15	1718.8973	859.9523
2106.8921	1053.9497	20	**P**	14	1590.8023	795.9048
2203.9448	1102.4760	21	**P**	13	1493.7496	747.3784
2332.9874	1166.9973	22	**E**	12	1396.6968	698.8520
2446.0715	1223.5394	23	**I**	11	1267.6542	634.3307
2517.1086	1259.0579	24	**A**	10	1154.5701	577.7887
2654.1675	1327.5874	25	**H**	9	1083.5330	542.2701
2711.1890	1356.0981	26	**G**	8	946.4741	473.7407
2874.2523	1437.6298	27	**Y**	7	889.4526	445.2300
2973.3207	1487.1640	28	**V**	6	726.3893	363.6983
3102.3633	1551.6853	29	**E**	5	627.3209	314.1641
3239.4222	1620.2147	30	**H**	4	498.2783	249.6428
3326.4542	1663.7308	31	**S**	3	361.2194	181.1133
3425.5227	1713.2650	32	**V**	2	274.1874	137.5973
---	---	33	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGNDVTDIADDGC(Carbamidomethyl)PKPPEIAHGYVEHSVR^{+4}



Max Intensity: **4.22**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **91.2%** Matched Series Intensity: **91.9%**



Sequence: SYGNDVTDIADDGC(Carbamidomethyl)PKPPEIAHGYVEHSVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C141 H213 N40 O50 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
3300.4011	3298.5069	1650.7043	1649.7571	1100.8053	1100.1738	825.8559	825.3822

[–] Peak Matches

110.0850	129.1175	136.0912	160.0908	172.0877	175.1393	178.1041	187.1256	195.1186	201.1482
H(125)	y_2-NH_3^{+2}(259) K(118)	Y(114)		GN(93) y_3-H_2O^{+2}(-118)	y_1(116)		AD(290) SV(96) DV-28(96)	HG(159) PP(30)	VE-28(123) VT(123) DI-28(123)
217.1045	**223.1312**	**226.1784**	**230.1012**	**251.1348**	**287.1346**	**308.1465**	**324.1715**	**341.1690**	**369.1624**
TD(104)	a_2(105)	KP(103) PK(103)	ND(105) C(Carbamidomethyl)P-28(24)	b_2(128)	GND(125) GC(Carbamidomethyl)P-28(60)	b_3(73)	PPE(50) HSV(15)	ADDG-H_2O(175)	GNDV-NH_3(59) C(Carbamidomethyl)PK-NH_3(8.9)
498.3289	**542.3363**	**627.3850**	**659.4037**	**678.4160**	**716.7671**	**726.4437**	**747.4348**	**755.3608**	**778.7449**
TDIAD-H_2O(220) y_4(102)	y_9^{+2}(122) IAHGY(118)	DGC(Carbamidomethyl)PKP-28(148) y_5(102) PPEIAH-H_2O(96)	y_{17}^{+3}(109)	y_{18}^{+3}(114)	y_{19}^{+3}(120)	ADDGC(Carbamidomethyl)PK-H_2O(215) y_6(75)	DIADDGC(Carbamidomethyl)(232) YGNDVTD-H_2O(188) y_{13}^{+2}(75)	KPPEIAH-H_2O(-78)	y_{21}^{+3}(54)
779.1329	**795.9804**	**816.6623**	**825.6348**	**855.0220**	**888.6686**	**908.5884**	**921.7271**	**946.5578**	**960.3676**
b_{22}-H_2O^{+3}(152) b_{22}-NH_3^{+3}(-269)	y_{14}^{+2}(95)			b_{16}^{+2}(190)	y_{24}^{+3}(277)	y_{16}^{+2}(121)		y_8(88) PPEIAHGYV-H_2O(84)	

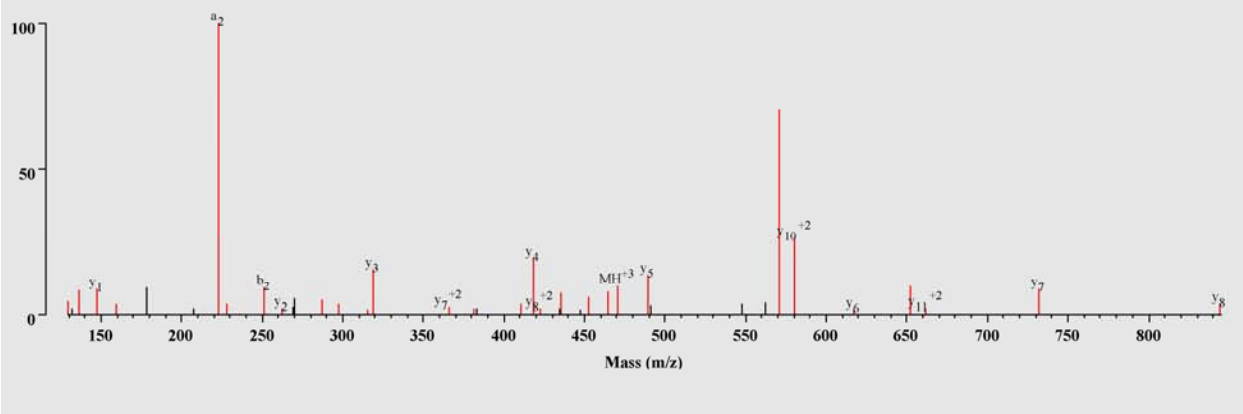
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	30	---	---
251.1026	---	2	Y	29	3211.4749	1606.2411
308.1241	---	3	G	28	3048.4116	1524.7094
422.1670	---	4	N	27	2991.3901	1496.1987
537.1940	---	5	D	26	2877.3472	1439.1772
636.2624	---	6	V	25	2762.3203	1381.6638
737.3101	---	7	T	24	2663.2518	1332.1296
852.3370	---	8	D	23	2562.2042	1281.6057
965.4211	---	9	I	22	2447.1772	1224.0922
1036.4582	---	10	A	21	2334.0932	1167.5502
1151.4851	---	11	D	20	2263.0560	1132.0317
1266.5121	---	12	D	19	2148.0291	1074.5182
1323.5335	---	13	G	18	2033.0022	1017.0047

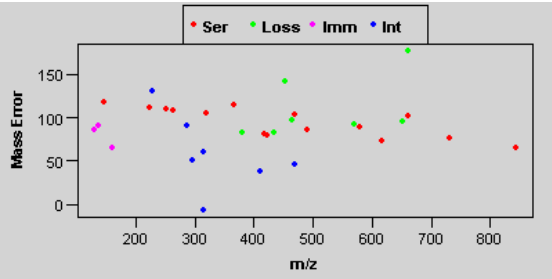
1483.5642	---	14	**C(Carbamidomethyl)**	17	1975.9807	988.4940
1580.6169	---	15	**P**	16	1815.9500	908.4787
1708.7119	854.8596	16	**K**	15	1718.8973	859.9523
1805.7647	903.3860	17	**P**	14	1590.8023	795.9048
1902.8174	951.9124	18	**P**	13	1493.7496	747.3784
2031.8600	1016.4337	19	**E**	12	1396.6968	698.8520
2144.9441	1072.9757	20	**I**	11	1267.6542	634.3307
2215.9812	1108.4942	21	**A**	10	1154.5701	577.7887
2353.0401	1177.0237	22	**H**	9	1083.5330	542.2701
2410.0616	1205.5344	23	**G**	8	946.4741	473.7407
2573.1249	1287.0661	24	**Y**	7	889.4526	445.2300
2672.1933	1336.6003	25	**V**	6	726.3893	363.6983
2801.2359	1401.1216	26	**E**	5	627.3209	314.1641
2938.2948	1469.6511	27	**H**	4	498.2783	249.6428
3025.3269	1513.1671	28	**S**	3	361.2194	181.1133
3124.3953	1562.7013	29	**V**	2	274.1874	137.5973
---	---	30	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQWINKAVGDK^{+3}



Max Intensity: **6.01**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **90.4%** Matched Series Intensity: **89.8%**



Sequence SYQWINKAVGDK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C64 H98 N17 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1409.5943	1408.7219	705.3009	704.8646	470.5364	470.2455

[–] **Peak Matches**

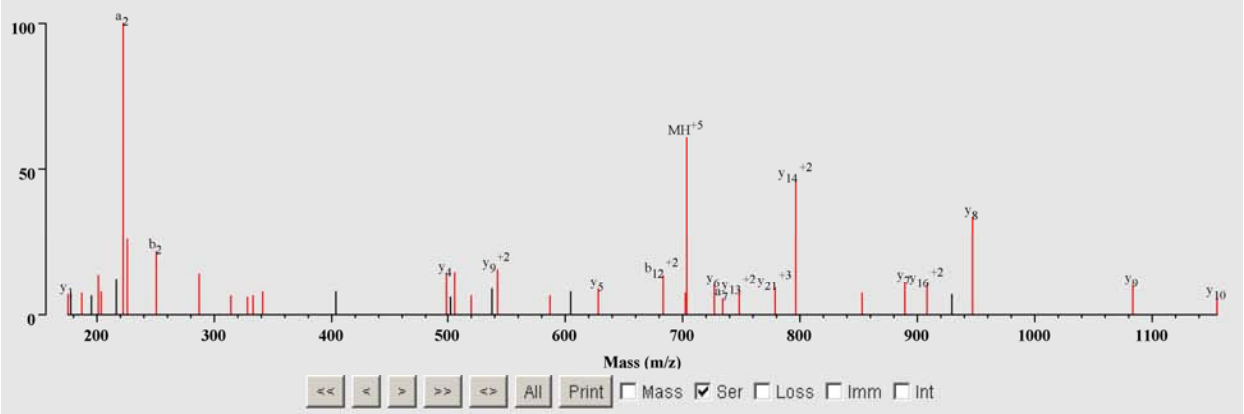
129.1132	132.0920	136.0879	147.1302	159.1020	178.1079	207.1210	223.1327	228.1642	251.1303
VG-28(85) K(85)		Y(90)	y_1(118)	W(65)			a_2(112)	AVG(131) IN(131)	b_2(110)
262.1681	**269.1625**	**270.1541**	**287.1763**	**297.1708**	**315.1641**	**319.1947**	**366.2476**	**381.2363**	**383.2495**
y_2(108)			QW-28(91)	NKA-NH_3(51)	QW(60) AVGD-28(-7.0)	y_3(105)	y_7^{+2}(114)	y_{10}-NH_3^{+3}(82)	
410.2555	**418.2634**	**422.7818**	**434.2748**	**435.2674**	**447.7845**	**452.2853**	**464.2868**	**470.2938**	**489.3081**
INKA-NH_3(38)	y_4(81)	y_8^{+2}(80)		y_{11}-H_2O^{+3}(83)		b_7-NH_3^{+2}(141)	MH-H_2O^{+3}(97)	MH^{+3}(103) NKAVG(46)	y_5(85)
491.2844	**547.8496**	**562.3439**	**570.8644**	**579.8683**	**617.4065**	**652.4057**	**661.4152**	**731.4600**	**844.5440**
			y_{10}-H_2O^{+2}(92)	y_{10}^{+2}(89)	y_6(73)	y_{11}-H_2O^{+2}(96)	b_5-NH_3(177) y_{11}^{+2}(101)	y_7(76)	y_8(65)

[–] **Main Sequence Ions**

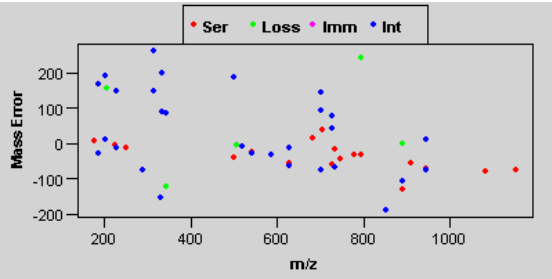
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1321.6899	661.3486
379.1612	---	3	**Q**	10	1158.6266	579.8169
565.2405	---	4	**W**	9	1030.5680	515.7876
678.3246	---	5	**I**	8	844.4887	422.7480
792.3675	---	6	**N**	7	731.4046	366.2060
920.4625	460.7349	7	**K**	6	617.3617	309.1845
991.4996	496.2534	8	**A**	5	489.2667	245.1370
1090.5680	545.7876	9	**V**	4	418.2296	209.6185
1147.5895	574.2984	10	**G**	3	319.1612	160.0842
1262.6164	631.8118	11	**D**	2	262.1397	131.5735
---	---	12	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGDKLPEC(Carbamidomethyl)EADDGC(Carbamidomethyl)PKPPEIAHGYVEHSVR^{+5}



Max Intensity: **53.0**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **89.4%** Matched Series Intensity: **88.1%**



Sequence: SYGDKLPEC(Carbamidomethyl)EADDGC(Carbamidomethyl)PKPPEIAHGYVEHS\
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 5 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C150 H227 N42 O52 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)	MH^{+5}(av)	MH^{+5}(mono)
3514.5241	3512.5845	1757.7657	1756.7959	1172.1796	1171.5330	879.3866	878.9016	703.7108	703.3227

[–] Peak Matches

175.1202	178.0869	187.1028	196.1332	201.1253	204.1347	217.0841	223.1069	226.1521	251.0991
y_1(7.1)		AD(168) SV(-26)		EA(191) VE-28(9.6)	y_5-NH_3^{+3} (155)		a_2(-3.7)	DK-H_2O(148) PK(-13) KP(-13)	b_2(-14)
287.0962	**315.1585**	**329.1676**	**333.1526**	**341.1387**	**404.1952**	**498.2583**	**502.1463**	**505.2387**	**519.1468**
GC(Carbamidomethyl) P-28(-73)	DGC (Carbamidomethyl)- H_2O(263) GC(Carbamidomethyl)P (147)	DKL-28(- 154)	DGC (Carbamidomethyl) (199) C(Carbamidomethyl) EA-28(90)	ADDG-H_2O(87) y_{15}-NH_3^{+5}(-121)		PEC(Carbamidomethyl) E-H_2O(187) y_4(-40)		a_5-H_2O(-3.6)	ADDGC (Carbamidomethyl)(- 6.9)
537.1736	**542.2566**	**586.2426**	**604.2861**	**627.2849**	**683.2951**	**702.3050**	**703.3512**	**726.3450**	**733.3757**
	y_9^{+2}(-25) IAHGY(-29)	GYVEH(- 33) HGYVE(- 33)		DGC(Carbamidomethyl) PKP-28(-11) y_5(-57) PPEIAH-H_2O(-64)	b_{12}^{+2}(15)	EC(Carbamidomethyl) EADD-H_2O(144) PEC(Carbamidomethyl) EAD(93) PPEIAHG(-74)	MH^{+5}(40)	ADDGC (Carbamidomethyl)PK- H_2O(79) DKLPEC (Carbamidomethyl)-NH_3 (44) y_6(-61)	a_7(-17) PKPPEIA(-66)
747.3447	**778.6777**	**795.8785**	**852.3118**	**889.3380**	**908.4290**	**928.8941**	**946.4083**	**1083.4488**	**1154.4856**
y_{13}^{+2}(-45)	y_{21}^{+3}(-32)	a_{22}-NH_3^{+3} (244) y_{14}^{+2}(-33)	PKPPEIAH-H_2O(- 189)	b_{16}-NH_3^{+2}(0.39) IAHGYVEH-H_2O(-105) y_7(-129)	y_{16}^{+2}(-55)		YGDKLPEC (Carbamidomethyl)-NH_3 (11) y_8(-70) PPEIAHGYV-H_2O(-74)	y_9(-78)	y_{10}(-73)

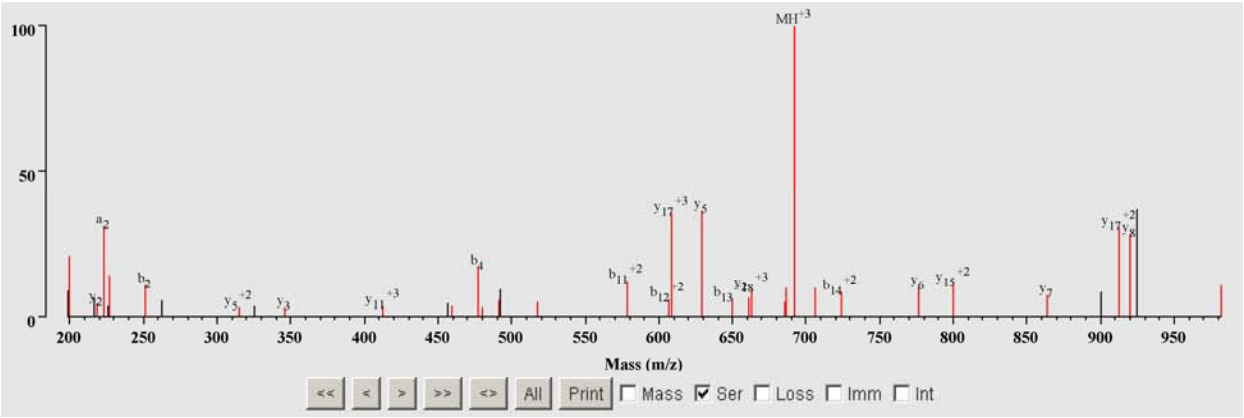
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	31	---	---
251.1026	---	2	**Y**	30	3425.5525	1713.2799
308.1241	---	3	**G**	29	3262.4892	1631.7482
423.1510	---	4	**D**	28	3205.4677	1603.2375
551.2460	276.1266	5	**K**	27	3090.4408	1545.7240
664.3301	332.6687	6	**L**	26	2962.3458	1481.6765
761.3828	381.1951	7	**P**	25	2849.2618	1425.1345
890.4254	445.7164	8	**E**	24	2752.2090	1376.6081
1050.4561	525.7317	9	**C(Carbamidomethyl)**	23	2623.1664	1312.0868

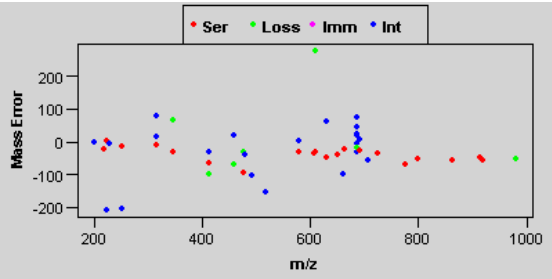
1179.4987	590.2530	10	**E**	22	2463.1357	1232.0715
1250.5358	625.7715	11	**A**	21	2334.0932	1167.5502
1365.5627	683.2850	12	**D**	20	2263.0560	1132.0317
1480.5897	740.7985	13	**D**	19	2148.0291	1074.5182
1537.6111	769.3092	14	**G**	18	2033.0022	1017.0047
1697.6418	849.3245	15	**C(Carbamidomethyl)**	17	1975.9807	988.4940
1794.6945	897.8509	16	**P**	16	1815.9500	908.4787
1922.7895	961.8984	17	**K**	15	1718.8973	859.9523
2019.8423	1010.4248	18	**P**	14	1590.8023	795.9048
2116.8950	1058.9512	19	**P**	13	1493.7496	747.3784
2245.9376	1123.4725	20	**E**	12	1396.6968	698.8520
2359.0217	1180.0145	21	**I**	11	1267.6542	634.3307
2430.0588	1215.5330	22	**A**	10	1154.5701	577.7887
2567.1177	1284.0625	23	**H**	9	1083.5330	542.2701
2624.1392	1312.5732	24	**G**	8	946.4741	473.7407
2787.2025	1394.1049	25	**Y**	7	889.4526	445.2300
2886.2709	1443.6391	26	**V**	6	726.3893	363.6983
3015.3135	1508.1604	27	**E**	5	627.3209	314.1641
3152.3724	1576.6899	28	**H**	4	498.2783	249.6428
3239.4045	1620.2059	29	**S**	3	361.2194	181.1133
3338.4729	1669.7401	30	**V**	2	274.1874	137.5973
---	---	31	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYILGGHLDAKGSFPWQAK^{+3}



Max Intensity: **74.1**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **84.3%** Matched Series Intensity: **80.5%**



Sequence SYILGGHLDAKGSFPWQAK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C97 H144 N25 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2076.3772	2075.0709	1038.6923	1038.0391	692.7973	692.3618

[–] Peak Matches

198.1503	199.1800	216.1579	218.1451	223.1084	226.1222	227.1737	251.0991	262.1378	315.1703
	IL-28(-2.5)		y_2(-22)	a_2(3.1) HL-28(-210)		IL(-7.5)	b_2(-14) HL(-204)		WQ(80) DAK(13) y_5^{+2}(-11)
325.1759	**346.1982**	**412.1852**	**456.2588**	**459.2290**	**477.2259**	**480.2013**	**491.2111**	**492.2100**	**517.1973**
	b_3-H_2O(64) y_3(-30)	PWQ(-31) y_{11}^{+3}(-65) b_8-H_2O^{+2}(-101)		DAKGS(20) b_4-H_2O(-68)	b_{14}-NH_3^{+3}(-33) b_4(-94)	GGHLD(-39)	a_{10}-H_2O^{+2}(-102) AKGSF(-102)		KGSFP(-154)
578.2937	**606.8012**	**608.9781**	**629.3107**	**650.3125**	**661.2761**	**663.3365**	**685.3251**	**686.3437**	**692.3416**
DAKGSF-28(0.71) b_{11}^{+2}(-31)	b_{12}^{+2}(-35)	y_{11}-H_2O^{+2}(278) y_{17}^{+3}(-31)	SFPWQ-NH_3(62) y_5(-47)	b_{13}^{+2}(-40)	GHLDAKG-H_2O(-99) GGHLDAK-H_2O(-99)	y_{18}^{+3}(-22)	GSFPWQ-H_2O(23) DAKGSFP-H_2O(-7.7) KGSFPW-H_2O(-30)	GSFPWQ-NH_3(73) DAKGSFP-NH_3(43) KGSFPW-NH_3(20) MH-H_2O^{+3}(-21)	HLDAKGS-NH_3(7.8) MH^{+3}(-29)
706.3486	**723.8451**	**776.3556**	**799.8641**	**863.3933**	**900.4602**	**912.9470**	**920.4080**	**924.9153**	**981.4618**
ILGGHLD(-56)	b_{14}^{+2}(-38)	y_6(-69)	y_{15}^{+2}(-54)	y_7(-55)		y_{17}^{+2}(-49)	b_{17}-H_2O^{+2}(-59) y_8(-59)		a_{10}-H_2O(-54)

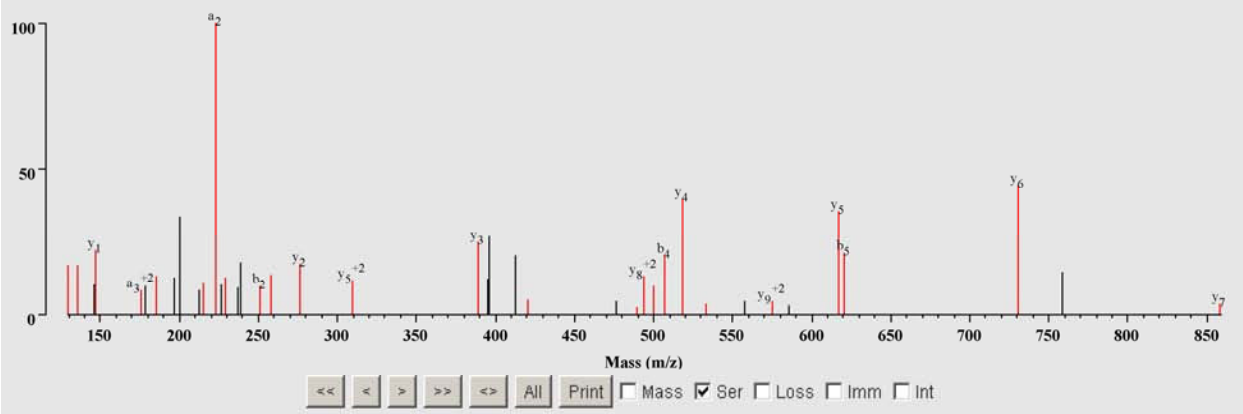
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	19 ---	---
251.1026	---	2	Y	18 1988.0389	994.5231
364.1867	---	3	I	17 1824.9755	912.9914
477.2708	---	4	L	16 1711.8915	856.4494
534.2922	---	5	G	15 1598.8074	799.9073
591.3137	---	6	G	14 1541.7859	771.3966
728.3726	364.6899	7	H	13 1484.7645	742.8859
841.4567	421.2320	8	L	12 1347.7056	674.3564
956.4836	478.7454	9	D	11 1234.6215	617.8144
1027.5207	514.2640	10	A	10 1119.5946	560.3009
1155.6157	578.3115	11	K	9 1048.5574	524.7824
1212.6371	606.8222	12	G	8 920.4625	460.7349
1299.6692	650.3382	13	S	7 863.4410	432.2241

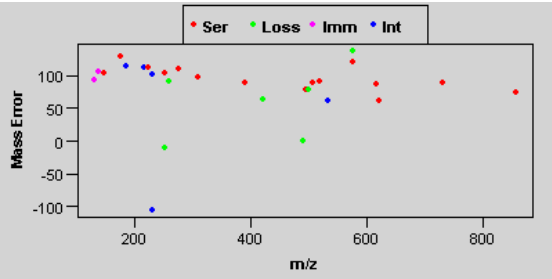
1446.7376	723.8724	14	**F**	6	776.4090	388.7081
1543.7904	772.3988	15	**P**	5	629.3406	315.1739
1729.8697	865.4385	16	**W**	4	532.2878	266.6475
1857.9282	929.4678	17	**Q**	3	346.2085	173.6079
1928.9654	964.9863	18	**A**	2	218.1499	109.5786
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKQLVEIEK^{+3}



Max Intensity: **3.33**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **70.9%** Matched Series Intensity: **69.5%**



Sequence SYKQLVEIEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C56 H94 N13 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1237.4473	1236.6834	619.2274	618.8454	413.1541	412.8993

[–] Peak Matches

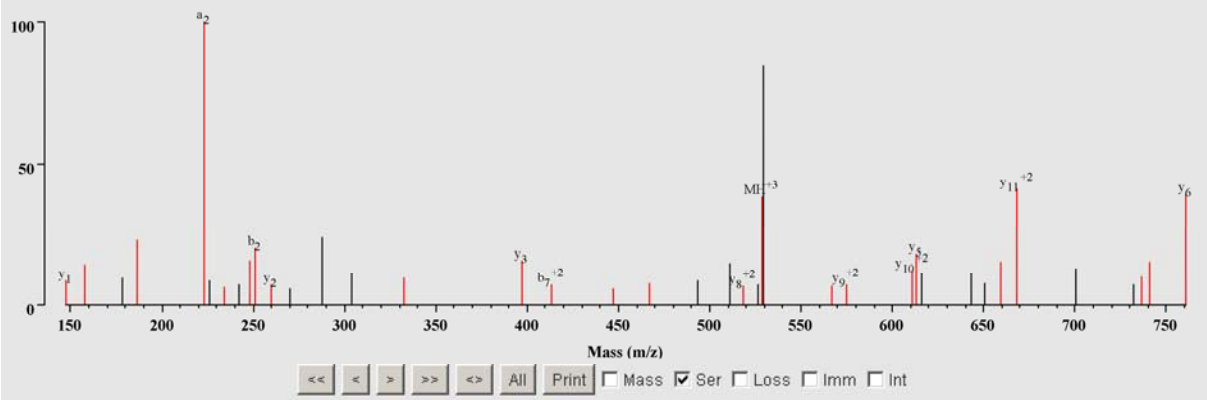
129.1143	136.0901	146.1469	147.1279	176.1278	178.1028	185.1860	197.1466	200.1601	212.1557
K(93)	Y(106)		y_1(103)	a_3^{+2}(130)		LV-28(114)			
215.1634	**223.1327**	**226.1129**	**229.1417**	**237.1272**	**239.1179**	**251.1288**	**258.1684**	**276.1860**	**309.2091**
IE-28(113) EI-28(113)	a_2(112)		VE(102) KQ-28(-106)			b_2(104) y_4-NH_3^{+2}(-10)	y_2-H_2O(91)	y_2(111)	y_5^{+2}(98)
389.2745	**395.1384**	**396.2504**	**412.7227**	**420.7720**	**476.3104**	**489.2453**	**493.8366**	**500.3109**	**507.3020**
y_3(90)				y_7-H_2O^{+2}(64)		b_4-H_2O(-0.63)	y_8^{+2}(79)	y_4-H_2O(79)	b_4(90)
518.3293	**533.3413**	**557.8349**	**575.3984**	**585.3214**	**617.4041**	**620.3780**	**730.5004**	**758.4725**	**858.5574**
y_4(91)	YKQL(62)		a_5-NH_3(138) y_9^{+2}(120)		y_5(87)	b_5(61)	y_6(90)		y_7(75)

[–] Main Sequence Ions

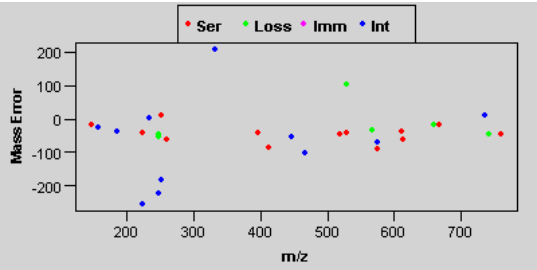
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1149.6514	575.3293
379.1976	190.1024	3	K	8	986.5881	493.7977
507.2562	254.1317	4	Q	7	858.4931	429.7502
620.3402	310.6738	5	L	6	730.4345	365.7209
719.4087	360.2080	6	V	5	617.3505	309.1789
848.4512	424.7293	7	E	4	518.2821	259.6447
961.5353	481.2713	8	I	3	389.2395	195.1234
1090.5779	545.7926	9	E	2	276.1554	138.5813
---	---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNANFKFTDHLK^{+3}



Max Intensity: **6.51**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **66.7%** Matched Series Intensity: **63.5%**



Sequence SYNANFKFTDHLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C73 H106 N19 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1585.7703	1584.7805	793.3889	792.8939	529.2617	528.9317

[–] Peak Matches

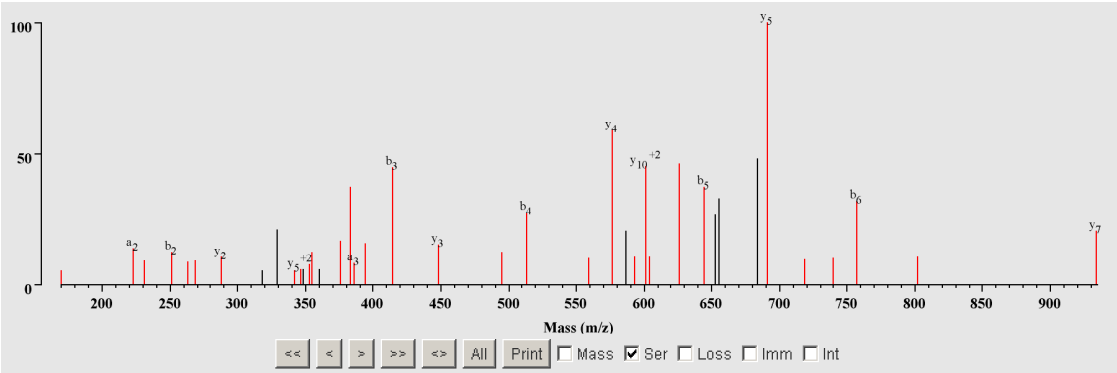
147.1100	158.0883	178.0839	186.0802	223.0985	226.1381	234.1244	242.1212	248.1205	251.1049
y_1(-19)	NA-28(-26) AN-28(-26)		NA(-38) AN(-38)	a_2(-41) HL-28(-255)		NF-28(3.0)		y_4-NH_3^{+2}(-45) y_6-H_2O^{+3}(-55) FK-28(-223) KF-28(-223)	b_2(9.0) HL(-181)
260.1805	**270.1586**	**288.0926**	**304.1388**	**332.1930**	**397.2382**	**413.1616**	**447.1751**	**467.1764**	**493.2258**
y_2(-63)				YNA-NH_3(207)	y_3(-44)	b_7^{+2}(-88)	NANF(-53)	TDHL(-104)	
511.2529	**518.2612**	**526.2309**	**528.3040**	**528.9089**	**529.2572**	**566.7727**	**575.2532**	**610.8007**	**613.2918**
	y_8^{+2}(-45)		b_9-H_2O^{+2}(101)	MH^{+3}(-43)		y_9-NH_3^{+2}(-36)	NANFK(-70) y_9^{+2}(-92)	y_{10}^{+2}(-39)	y_5(-63)
615.7975	**643.2883**	**650.3018**	**659.3203**	**667.8347**	**700.3313**	**732.3099**	**736.3388**	**740.8295**	**760.3633**
			y_{11}-NH_3^{+2}(-19)	y_{11}^{+2}(-17)			NFKFTD-NH_3(12)	y_{12}-NH_3^{+2}(-47)	y_6(-47)

[–] Main Sequence Ions

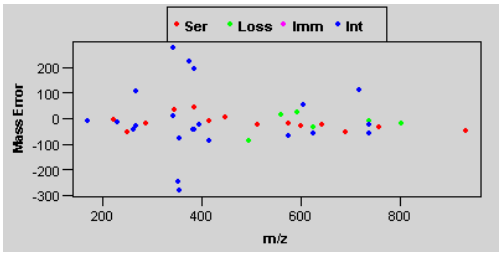
b	b^{+2}			y	y^{+2}
---	---	1	S 13	---	---
251.1026	---	2	Y 12	1497.7485	749.3779
365.1456	---	3	N 11	1334.6852	667.8462
436.1827	---	4	A 10	1220.6422	610.8248
550.2256	---	5	N 9	1149.6051	575.3062
697.2940	---	6	F 8	1035.5622	518.2847
825.3890	413.1981	7	K 7	888.4938	444.7505
972.4574	486.7323	8	F 6	760.3988	380.7030
1073.5051	537.2562	9	T 5	613.3304	307.1688
1188.5320	594.7696	10	D 4	512.2827	256.6450
1325.5909	663.2991	11	H 3	397.2558	199.1315
1438.6750	719.8411	12	L 2	260.1969	130.6021
---	---	13	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYVMLPVADQDQC(Carbamidomethyl)IR^{+3}



Max Intensity: **1.85**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **80.4%** Matched Series Intensity: **80.2%**



Sequence: SYYVMLPVADQDQC(Carbamidomethyl)IR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C85 H133 N22 O27 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1959.0988	1957.9146	980.0531	979.4610	653.7046	653.3097

[–] **Peak Matches**

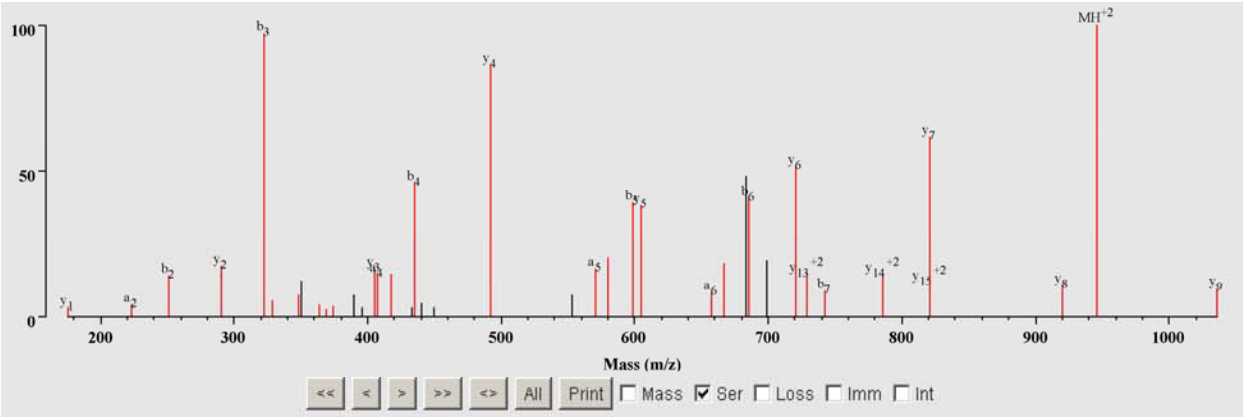
169.1316	223.1068	231.1130	251.0892	263.1268	268.1574	288.1969	318.1191	329.1922	342.1876
PV-28(-11)	a_2(-4.1)	VM(-14)	b_2(-53)	YV(-46)	VAD-H_2O(105) PVA(-30)	y_2(-21)			DQD-NH_3(276) MLP(8.8)
346.1754	**348.1524**	**353.1666**	**355.0974**	**360.1810**	**376.2118**	**383.1760**	**386.1871**	**394.1704**	**414.1623**
y_5^{+2}(35)		LPVA-28(-249)	QDQ-NH_3(-77) PVAD-28(-282)		DQC(Carbamidomethyl)-28(221)	PVAD(-43)	DQC(Carbamidomethyl)-H_2O(192) a_3(42) VADQ-28(-42)	YVM(-23)	b_3(-8.8) VADQ(-87)
448.2350	**495.1793**	**513.2228**	**559.2740**	**576.2813**	**586.3131**	**592.7848**	**601.2656**	**604.3494**	**626.2422**
y_3(3.0)	b_4-H_2O(-90)	b_4(-23)	y_4-NH_3(15)	y_4(-19) YVMLP-28(-70)		y_{10}-NH_3^{+2}(22)	y_{10}^{+2}(-32)	YVMLP(55)	b_5-H_2O(-35) PVADQD(-57)
644.2603	**652.3144**	**655.3082**	**683.2832**	**691.2807**	**718.3250**	**739.3418**	**757.3317**	**802.3363**	**934.3571**
b_5(-23)				y_5(-56)	ADQDQC(Carbamidomethyl)(110)	b_6-H_2O(-8.9) LPVADQD(-27) YYVMLP-28(-58)	b_6(-36)	y_6-NH_3(-19)	y_7(-51)

[–] **Main Sequence Ions**

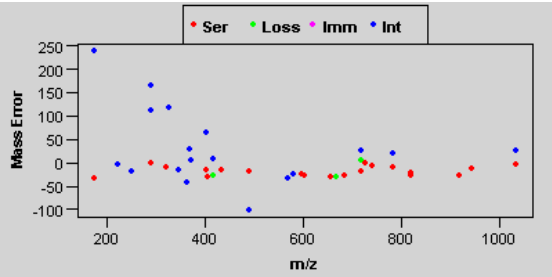
b			y	y^{+2}
---	1	S	16 ---	---
251.1026	2	Y	15 1870.8826	935.9449
414.1660	3	Y	14 1707.8193	854.4133
513.2344	4	V	13 1544.7560	772.8816
644.2749	5	M	12 1445.6875	723.3474
757.3589	6	L	11 1314.6471	657.8272
854.4117	7	P	10 1201.5630	601.2851
953.4801	8	V	9 1104.5102	552.7588
1024.5172	9	A	8 1005.4418	503.2245
1139.5442	10	D	7 934.4047	467.7060
1267.6027	11	Q	6 819.3778	410.1925
1382.6297	12	D	5 691.3192	346.1632
1510.6883	13	Q	4 576.2922	288.6498
1670.7189	14	C(Carbamidomethyl)	3 448.2337	224.6205
1783.8030	15	I	2 288.2030	144.6051
---	16	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALYSGNDVTDISDDR^{+2}



Max Intensity: **20.7**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **88.2%** Matched Series Intensity: **86.7%**



Sequence SYALYSGNDVTDISDDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C79 H120 N21 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1891.9545	1890.8352	946.4810	945.9212

[–] Peak Matches

175.1131	223.1068	251.0982	290.1460	322.1361	329.1836	348.1860	350.1616	364.1709	369.1514
SD-28(239) y_1(-33)	a_2(-4.1) YS-28(-4.1)	b_2(-18) YS(-18)	SDD-28(165) YSG-H_2O(112) y_2(0.36)	b_3(-11)	NDV(116)	YAL(-17) ALY(-17)		LYS(-43)	GNDV-NH_3(30)
374.1328	**390.1947**	**396.1517**	**405.1660**	**407.2167**	**417.2017**	**433.1818**	**435.2172**	**440.1757**	**449.2135**
SGND(5.8)			YSGN-NH_3(63) y_3(-17)	ALYS-28(-30) a_4(-30)	TDIS(8.9) ALYS-H_2O(-28) b_4-H_2O(-28)		ALYS(-15) b_4(-15)		
492.1951	**553.2533**	**570.2734**	**580.2622**	**598.2730**	**605.2712**	**657.3039**	**667.2884**	**683.3179**	**685.3000**
y_4(-20) ALYSG(-102)		a_5(-33) YALYS-28(-33)	b_5-H_2O(-25) YALYS-H_2O(-25)	YALYS(-24) b_5(-24)	y_5(-29)	a_6(-31)	b_6-H_2O(-30)		b_6(-28)
699.3122	**720.3025**	**728.8121**	**742.3356**	**785.3479**	**820.8518**	**821.3455**	**920.4063**	**945.9077**	**1035.4543**
	YSGNDVT-NH_3(26) y_{13}-NH_3^{+2}(3.9) y_6(-19)	y_{13}^{+2}(-1.2)	b_7(-6.7)	SGNDVTDI-NH_3(21) GNDVTDIS-NH_3(21) y_{14}^{+2}(-9.0)	y_{15}^{+2}(-27)	y_7(-22)	y_8(-28)	MH^{+2}(-14)	YSGNDVTDIS-NH_3(27) y_9(-4.5)

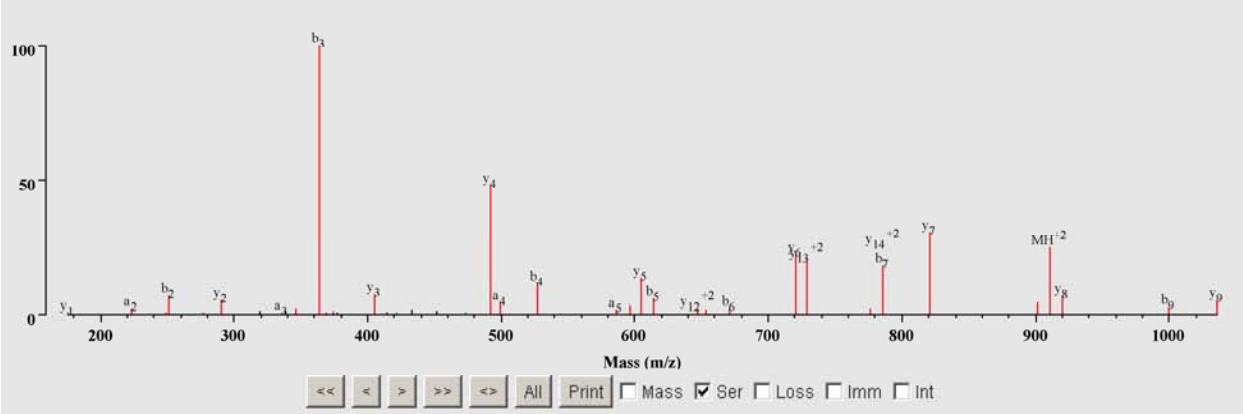
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	17 ---	---
251.1026	2	Y	16 1803.8032	902.4052
322.1397	3	A	15 1640.7398	820.8736
435.2238	4	L	14 1569.7027	785.3550
598.2871	5	Y	13 1456.6187	728.8130
685.3192	6	S	12 1293.5553	647.2813
742.3406	7	G	11 1206.5233	603.7653
856.3836	8	N	10 1149.5018	575.2546
971.4105	9	D	9 1035.4589	518.2331
1070.4789	10	V	8 920.4320	460.7196
1171.5266	11	T	7 821.3636	411.1854
1286.5535	12	D	6 720.3159	360.6616
1399.6376	13	I	5 605.2889	303.1481
1486.6696	14	S	4 492.2049	246.6061
1601.6966	15	D	3 405.1728	203.0901

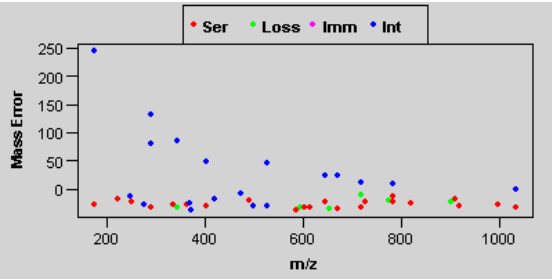
1716.7235	16	**D**	2	290.1459	145.5766
---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLYSGNDVTDISDDR^{+2}



Max Intensity: **660**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **98.2%** Matched Series Intensity: **98.0%**



Sequence: SYLYSGNDVTDISDDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C76 H115 N20 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1820.8752	1819.7981	910.9413	910.4027

[–] Peak Matches

175.1143	223.1040	249.1567	251.0967	277.1470	290.1364	319.1565	336.1824	338.1202	346.1649
SD-28(245) y_1(-27)	YS-28(-17) a_2(-17)	LY-28(-12) YL-28(-12)	YS(-24) b_2(-24)	LY(-28) YL(-28)	SDD-28(131) YSG-H_2O(79) y_2(-33)		LYS-28(-28) a_3(-28)		SGND-28(84) LYS-H_2O(-32) b_3-H_2O(-32)
364.1763	**369.1314**	**374.1163**	**377.1358**	**405.1603**	**414.1488**	**422.1599**	**433.1976**	**451.2037**	**473.1954**
LYS(-29) b_3(-29)	GNDV-NH_3(-25)	SGND(-38)		YSGN-NH_3(49) y_3(-31)		YSGN(-17)			SGNDV(-7.7)
492.1951	**499.2401**	**527.2336**	**586.2650**	**596.2512**	**605.2688**	**614.2626**	**647.2669**	**653.2697**	**671.2793**
y_4(-20)	a_4(-30) YLYS-28(-30)	NDVTD-H_2O(45) b_4(-31) YLYS(-31)	a_5(-38)	b_5-H_2O(-34)	y_5(-33)	b_5(-32)	TDISDD(23) y_{12}^{+2}(-22)	b_6-H_2O(-36)	SGNDVTD-H_2O(24) b_6(-36)
720.2924	**728.7968**	**776.3341**	**785.3373**	**821.3428**	**901.3754**	**910.3861**	**920.4034**	**999.4127**	**1035.4262**
YSGNDVT-NH_3(12) y_{13}-NH_3^{+2}(-10) y_6(-33)	y_{13}^{+2}(-22)	y_{14}-H_2O^{+2}(-20)	SGNDVTDI-NH_3(7.8) GNDVTDIS-NH_3(7.8) YLYSGND-28(-12) b_7(-12) y_{14}^{+2}(-23)	y_7(-25)	MH-H_2O^{+2}(-24)	MH^{+2}(-18)	y_8(-31)	b_9(-29)	YSGNDVTDIS-NH_3(-0.33) y_9(-32)

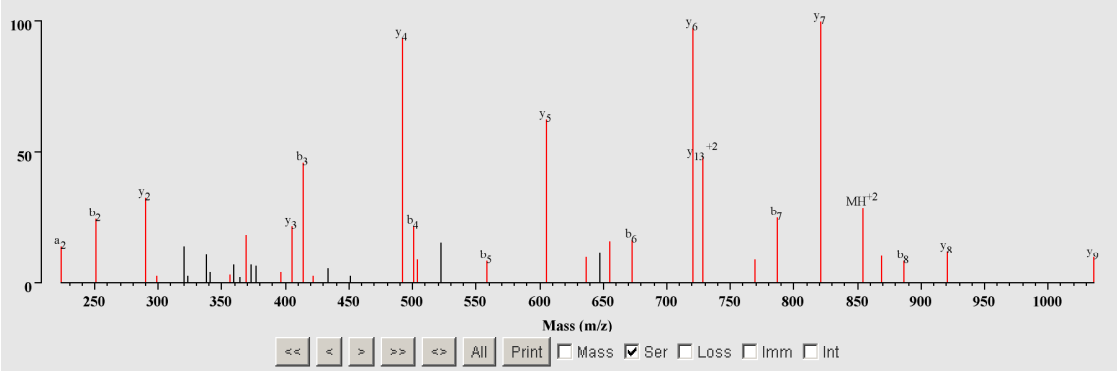
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	16 ---	---
251.1026	2	Y	15 1732.7660	866.8867
364.1867	3	L	14 1569.7027	785.3550
527.2500	4	Y	13 1456.6187	728.8130
614.2821	5	S	12 1293.5553	647.2813
671.3035	6	G	11 1206.5233	603.7653
785.3464	7	N	10 1149.5018	575.2546
900.3734	8	D	9 1035.4589	518.2331
999.4418	9	V	8 920.4320	460.7196
1100.4895	10	T	7 821.3636	411.1854
1215.5164	11	D	6 720.3159	360.6616
1328.6005	12	I	5 605.2889	303.1481
1415.6325	13	S	4 492.2049	246.6061

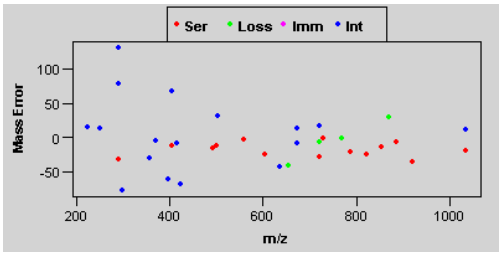
1530.6595	14	**D**	3	405.1728	203.0901
1645.6864	15	**D**	2	290.1459	145.5766
---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYSGNDVTDISDDR^{+2}



Max Intensity: **5.99**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **89.5%** Matched Series Intensity: **89.1%**



Sequence: SYYSGNDVTDISDDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C70 H104 N19 O31

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1707.7147	1706.7140	854.3611	853.8606

[–] **Peak Matches**

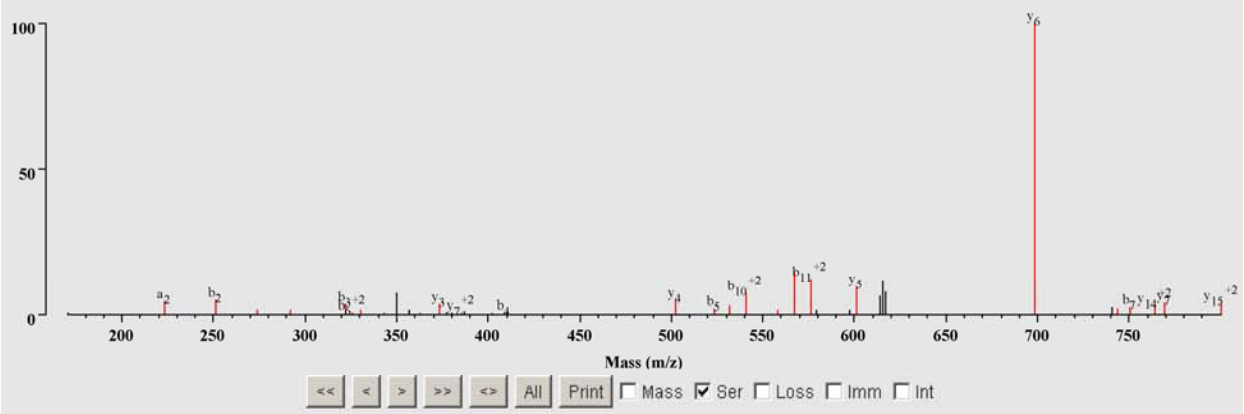
223.1110	251.1057	290.1364	299.1156	320.1160	323.1494	338.1306	341.1554	356.1095	359.1363
a_2(15) YS-28(15)	b_2(12) YS(12)	SDD-28(131) YSG-H_2O(79) y_2(-33)	YY-28(-78)					SGND-H_2O(-30)	
364.1582	**369.1386**	**373.1960**	**377.1303**	**396.1310**	**405.1679**	**414.1623**	**422.1385**	**433.2074**	**451.2278**
	GNDV-NH_3(-5.1)			b_3-H_2O(-62) YYS-H_2O(-62)	YSGN-NH_3(68) y_3(-12)	b_3(-8.8) YYS(-8.8)	YSGN(-68)		
492.1972	**501.1919**	**504.2457**	**522.2380**	**558.2180**	**605.2735**	**636.2348**	**647.7775**	**655.2089**	**672.2562**
y_4(-16)	b_4(-12)	TDISD-28(31)		b_5(-2.6)	y_5(-25)	YSGNDV(-43)		b_6-NH_3(-41)	SGNDVTD-NH_3(13) b_6(-9.2) YYSGND-28(-9.2)
720.2949	**728.8121**	**769.2771**	**787.2722**	**821.3428**	**853.8489**	**869.3574**	**886.3518**	**920.3977**	**1035.4383**
YSGNDVT-NH_3(16) y_{13}-NH_3^{+2}(-6.7) y_6(-29)	y_{13}^{+2}(-1.2)	b_7-H_2O(-2.2)	b_7(-22)	y_7(-25)	MH^{+2}(-14)	b_8-NH_3(30)	b_8(-6.7)	y_8(-37)	YSGNDVTDIS-NH_3(11) y_9(-20)

[–] **Main Sequence Ions**

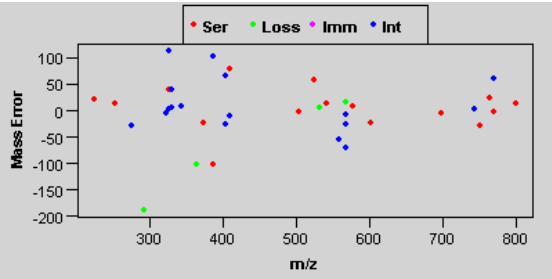
b			y	y^{+2}
---	1	S	15 ---	---
251.1026	2	Y	14 1619.6820	810.3446
414.1660	3	Y	13 1456.6187	728.8130
501.1980	4	S	12 1293.5553	647.2813
558.2195	5	G	11 1206.5233	603.7653
672.2624	6	N	10 1149.5018	575.2546
787.2893	7	D	9 1035.4589	518.2331
886.3577	8	V	8 920.4320	460.7196
987.4054	9	T	7 821.3636	411.1854
1102.4324	10	D	6 720.3159	360.6616
1215.5164	11	I	5 605.2889	303.1481
1302.5485	12	S	4 492.2049	246.6061
1417.5754	13	D	3 405.1728	203.0901
1532.6023	14	D	2 290.1459	145.5766
---	15	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASNKVQDSAPVETPR^{+3}



Max Intensity: **15.9**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **81.7%** Matched Series Intensity: **81.7%**



Sequence SYASNKVQDSAPVETPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C78 H126 N23 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1850.0072	1848.9086	925.5073	924.9580	617.3407	616.9744

[–] Peak Matches

170.1227	**223.1125**	**251.1057**	**274.0953**	**292.1082**	**322.1378**	**326.1715**	**330.1787**	**343.1636**	**350.2041**
	a_2(21)	b_2(12)	DSA(-29)	y_5-H_2O^{+2}(-189)	b_3(-6.0) YAS(-6.0)	VQD-NH_3(113) b_6^{+2}(40) PVE(1.4)	VET(39) SNK(4.6)	VQD(7.0) DSAP-28(7.0)	
357.0729	**363.1294**	**373.2106**	**377.1762**	**380.1084**	**385.1741**	**387.1382**	**402.1879**	**409.2037**	**410.1769**
	a_4-H_2O(-102)	ASNK-28(-24) y_3(-24)			QDSA-NH_3(101) y_7^{+2}(-103)		QDSA(65) VQDS-28(-26)	b_4(78) VETP-H_2O(-11) PVET-H_2O(-11)	
502.2604	**523.2443**	**531.7485**	**540.7592**	**558.2582**	**567.2734**	**576.2744**	**579.3532**	**597.3206**	**601.3166**
y_4(-3.2)	b_5(57)	b_{10}-H_2O^{+2}(4.4)	b_{10}^{+2}(14)	KVQDS(-54)	b_{11}-H_2O^{+2}(15) SAPVET-H_2O(-6.9) NKVQD-H_2O(-27) APVETP-28(-71)	b_{11}^{+2}(7.6)			KVQDSA-28(-23) y_5(-23)
614.3025	**615.2600**	**617.3160**	**698.3789**	**740.3614**	**743.3699**	**750.3566**	**764.4098**	**769.4189**	**799.9216**
			KVQDSAP-28(-6.1) y_6(-6.1)		ASNKVQD(2.2) NKVQDSA(2.2)	b_7(-29)	y_{14}^{+2}(24)	DSAPVETP-28(60) y_7(-1.8)	y_{15}^{+2}(14)

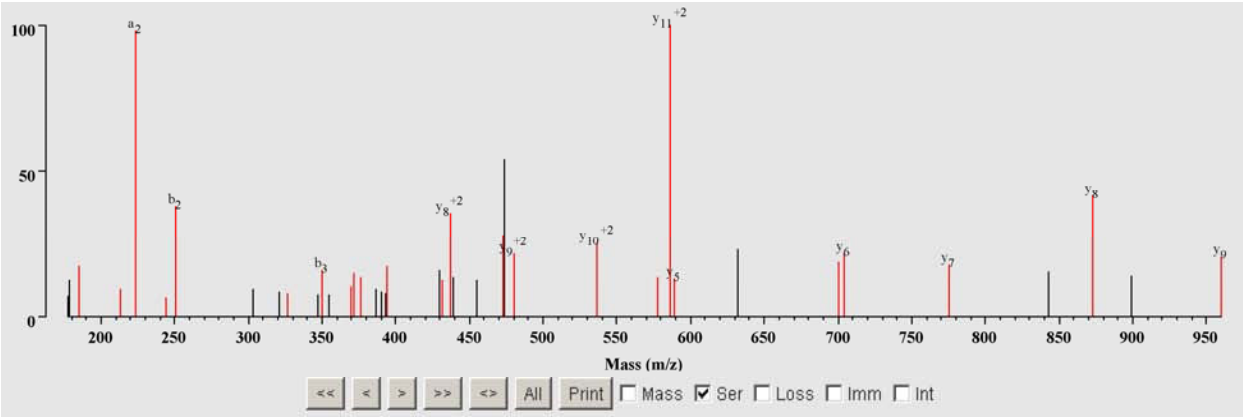
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	17 ---	---
251.1026	---	2	Y	16 1761.8766	881.4419
322.1397	---	3	A	15 1598.8133	799.9103
409.1718	---	4	S	14 1527.7762	764.3917
523.2147	---	5	N	13 1440.7441	720.8757
651.3097	326.1585	6	K	12 1326.7012	663.8542
750.3781	375.6927	7	V	11 1198.6062	599.8068
878.4367	439.7220	8	Q	10 1099.5378	550.2726
993.4636	497.2354	9	D	9 971.4793	486.2433
1080.4956	540.7515	10	S	8 856.4523	428.7298
1151.5327	576.2700	11	A	7 769.4203	385.2138
1248.5855	624.7964	12	P	6 698.3832	349.6952
1347.6539	674.3306	13	V	5 601.3304	301.1688
1476.6965	738.8519	14	E	4 502.2620	251.6346

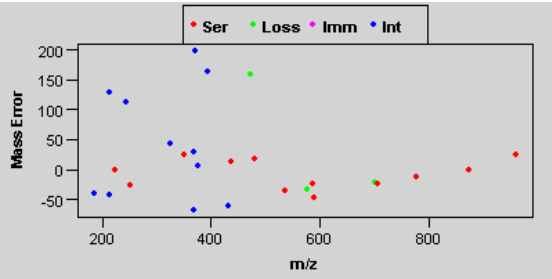
1577.7442	789.3757	15	**T**	3	373.2194	187.1133
1674.7970	837.9021	16	**P**	2	272.1717	136.5895
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVLSPADKTNVK^{+3}



Max Intensity: **3.22**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **73.3%** Matched Series Intensity: **73.3%**



Sequence SYVLSPADKTNVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H105 N16 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1422.6311	1421.7635	711.8193	711.3854	474.8820	474.5927

[–] Peak Matches

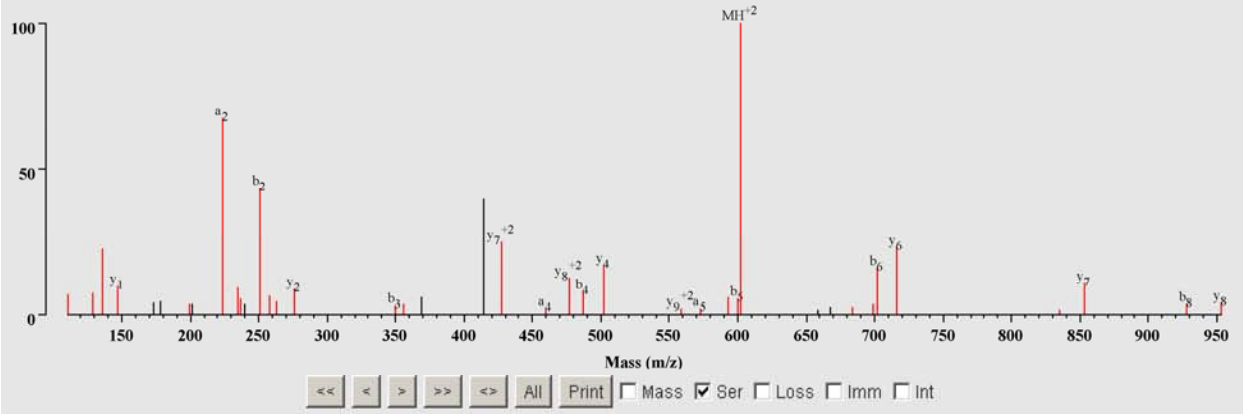
177.1071	178.0859	185.1575	213.1506	223.1074	244.1566	251.0958	303.2226	321.1266	326.1959
		VL-28(-40)	KT-NH_3(128) VL(-43)	a_2(-1.4)	DK(112)	b_2(-27)			KTN-H_2O(42)
347.1681	**350.1797**	**355.0978**	**369.2245**	**371.2297**	**376.2250**	**386.1949**	**390.2362**	**393.2299**	**394.2723**
	b_3(25)		LSPA(30) VLSP-28(-68)	SPAD(198)	YVL(5.1)				PADK-H_2O(162)
429.2334	**431.1986**	**436.7512**	**439.1955**	**455.2804**	**472.3230**	**473.3088**	**480.2696**	**536.7849**	**577.3133**
	DKTN-28(-61)	y_8^{+2}(13)			b_9-H_2O^{+2}(159)		y_9^{+2}(17)	y_{10}^{+2}(-35)	y_{11}-H_2O^{+2}(-33)
586.3245	**589.3399**	**632.2943**	**700.3510**	**704.3771**	**775.4214**	**842.4637**	**872.4823**	**899.4318**	**959.5385**
y_{11}^{+2}(-23)	y_5(-46)		b_7-H_2O(-22)	y_6(-24)	y_7(-12)		y_8(-1.5)		y_9(24)

[–] Main Sequence Ions

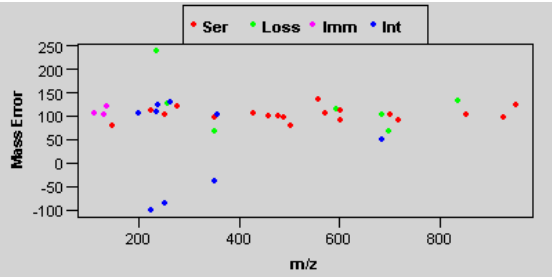
b	b^{+2}			y	y^{+2}
---	---	1	S 13	---	---
251.1026	---	2	Y 12	1334.7314	667.8694
350.1710	---	3	V 11	1171.6681	586.3377
463.2551	---	4	L 10	1072.5997	536.8035
550.2871	---	5	S 9	959.5156	480.2615
647.3399	---	6	P 8	872.4836	436.7454
718.3770	---	7	A 7	775.4308	388.2191
833.4040	---	8	D 6	704.3937	352.7005
961.4989	481.2531	9	K 5	589.3668	295.1870
1062.5466	531.7769	10	T 4	461.2718	231.1396
1176.5895	588.7984	11	N 3	360.2241	180.6157
1275.6579	638.3326	12	V 2	246.1812	123.5942
---	---	13	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVHLTPEEK^{+2}



Max Intensity: **6.08**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **87.3%** Matched Series Intensity: **81.9%**



Sequence: SYVHLTPEEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H84 N13 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1203.3453	1202.6052	602.1764	601.8062

[–] Peak Matches

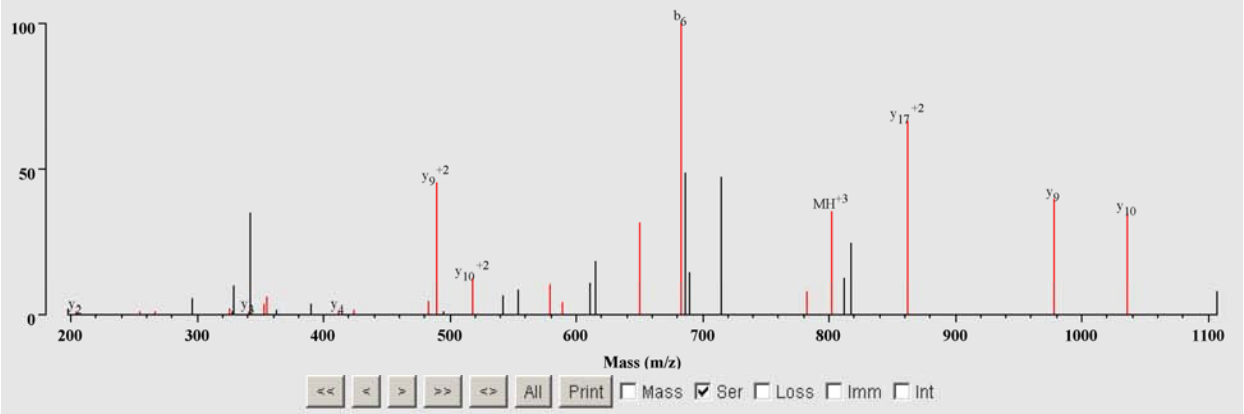
110.0830	129.1154	136.0923	147.1245	173.1447	178.1028	199.1290	201.1455	223.1327	235.1695
H(107)	K(102)	Y(122)	y_1(80)			PE-28(107) TP(107)		a_2(112) HL-28(-101)	b_4-H_2O^{+2}(239) YV-28(108)
237.1637	**240.1611**	**251.1288**	**258.1775**	**263.1729**	**276.1891**	**350.2051**	**356.1816**	**369.1806**	**414.2045**
VH(123)		b_2(104) HL(-85)	y_2-H_2O(127)	YV(129)	y_2(122)	b_3(97) y_6-NH_3^{+2}(67) VHL(-39)	PEE(102)		
427.2697	**459.2814**	**476.8063**	**487.2773**	**502.2898**	**558.3648**	**572.3806**	**592.8700**	**600.3695**	**601.8733**
y_7^{+2}(106)	a_4(101)	y_8^{+2}(100)	b_4(97)	y_4(78)	y_9^{+2}(134)	a_5(107)	MH-H_2O^{+2}(116)	b_5(92)	MH^{+2}(111)
658.9153	**667.9450**	**683.4222**	**698.4187**	**701.4335**	**716.4479**	**835.5403**	**853.5285**	**927.5470**	**952.6281**
		b_6-H_2O(104) YVHLTP-28(51)	y_6-H_2O(67)	b_6(102)	y_6(91)	y_7-H_2O(131)	y_7(102)	b_8(97)	y_8(124)

[–] Main Sequence Ions

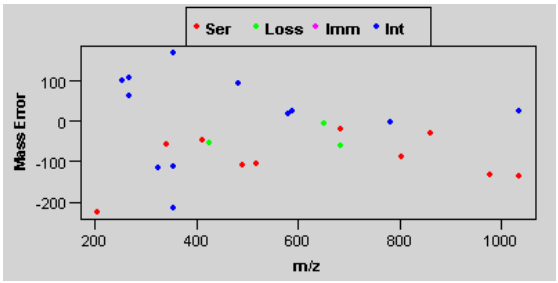
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1115.5732	558.2902
350.1710	---	3	V	8	952.5098	476.7585
487.2300	244.1186	4	H	7	853.4414	427.2243
600.3140	300.6606	5	L	6	716.3825	358.6949
701.3617	351.1845	6	T	5	603.2984	302.1529
798.4145	399.7109	7	P	4	502.2508	251.6290
927.4571	464.2322	8	E	3	405.1980	203.1026
1056.4997	528.7535	9	E	2	276.1554	138.5813
---	---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFGDLSSPDAVMGNPKVKAHGK^{+3}



Max Intensity: **41.7**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **61.3%** Matched Series Intensity: **59.1%**



Sequence: SYFGDLSSPDAVMGNPKVKAHGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C106 H166 N29 O33 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2406.7395	2405.1918	1203.8735	1203.0995	802.9181	802.4021

[–] Peak Matches

197.1195	204.0881	254.1388	266.1417	296.1802	325.1859	328.1570	329.1778	341.1740	342.1601
	y_2(-226)	SSP-H_2O(99)	PDA-H_2O(106) AHG(64)		PKV(-115)			y_3(-56)	
353.2053	**355.1216**	**362.1903**	**390.1777**	**412.2100**	**424.2382**	**483.2325**	**489.2154**	**489.7430**	**495.2709**
SPDA-H_2O(169)	GDLS-H_2O(-112) PDAV-28(-214)			y_4(-49)	y_8-NH_3^{+2}(-54)	YFGD(93)		y_9^{+2}(-108)	
518.2526	**541.7665**	**554.2659**	**579.2869**	**589.2768**	**611.2803**	**614.8021**	**650.3163**	**683.2905**	**685.8310**
y_{10}^{+2}(-104)			FGDLSS-28(17)	FGDLSS-H_2O(26)			a_{19}-NH_3^{+3}(-6.7)	YFGDLS(-19) b_6(-19) b_{20}-NH_3^{+3}(-60)	
689.3425	**714.3432**	**782.3468**	**802.3313**	**812.3964**	**817.4137**	**861.9246**	**978.4533**	**1035.4659**	**1106.5073**
		PDAVMGNP(-4.3)	MH^{+3}(-88)			y_{17}^{+2}(-31)	y_9(-134)	YFGDLSSPDA-H_2O(23) y_{10}(-135)	

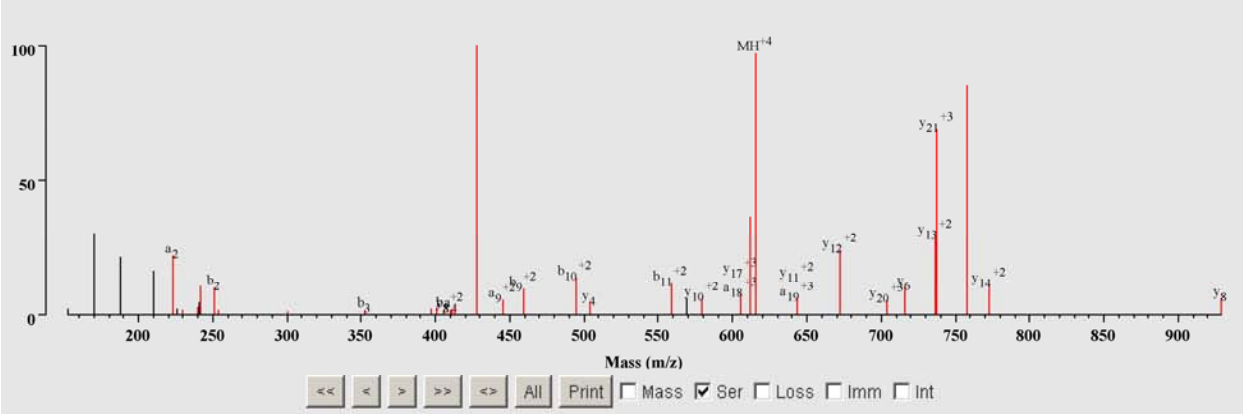
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 23	---	---
251.1026	---	2	Y 22	2318.1598	1159.5835
398.1710	---	3	F 21	2155.0964	1078.0519
455.1925	---	4	G 20	2008.0280	1004.5177
570.2195	---	5	D 19	1951.0066	976.0069
683.3035	---	6	L 18	1835.9796	918.4935
770.3355	---	7	S 17	1722.8956	861.9514
857.3676	---	8	S 16	1635.8635	818.4354
954.4203	---	9	P 15	1548.8315	774.9194
1069.4473	---	10	D 14	1451.7787	726.3930
1140.4844	---	11	A 13	1336.7518	668.8795
1239.5528	---	12	V 12	1265.7147	633.3610
1370.5933	---	13	M 11	1166.6463	583.8268
1427.6148	---	14	G 10	1035.6058	518.3065
1541.6577	---	15	N 9	978.5843	489.7958
1638.7104	---	16	P 8	864.5414	432.7743
1766.8054	883.9063	17	K 7	767.4886	384.2480

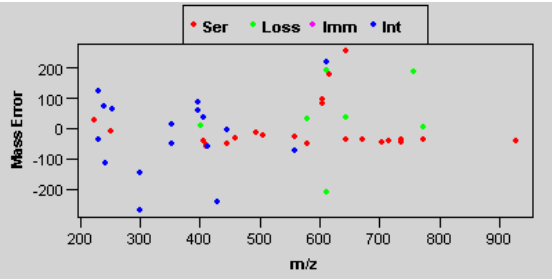
1865.8738	933.4406	18	**V**	6	639.3937	320.2005
1993.9688	997.4880	19	**K**	5	540.3253	270.6663
2065.0059	1033.0066	20	**A**	4	412.2303	206.6188
2202.0648	1101.5360	21	**H**	3	341.1932	171.1002
2259.0863	1130.0468	22	**G**	2	204.1343	102.5708
---	---	23	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTSAHGNVAEGETKPDPDVTER^{+4}



Max Intensity: **39.2**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **88.0%** Matched Series Intensity: **85.4%**



Sequence: SYTSAHGNVAEGETKPDPDVTER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C102 H159 N30 O41

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2461.5765	2460.1274	1231.2920	1230.5673	821.1971	820.7140	616.1497	615.7873

[–] Peak Matches

152.1048	170.1138	188.1229	210.1035	223.1137	226.0840	230.1419	240.1153	241.1062	242.0859
				a_2(27)		AEG-28(123) TK(-35)	AEG-H_2O(73)		TSA-H_2O(-114)
251.1004	**254.1298**	**300.0742**	**352.1549**	**397.2062**	**400.6729**	**405.1922**	**409.6527**	**411.1634**	**413.1789**
b_2(-8.9)	GNV-NH_3(64)	DPD-28(-149) VAE(-271)	b_3(13) YTS(13) AHGN-28(-51)	NVAE-NH_3(87) PDPD-28(87) TSAH(58)	b_8-H_2O^{+2}(7.9)	YTSA-H_2O(38) y_3(-42)	b_8^{+2}(-54)	a_4(-58)	PDVT(-59)
428.1457	**445.1900**	**459.1943**	**494.7208**	**504.2667**	**559.2322**	**568.8949**	**579.2641**	**605.3413**	**611.4022**
ETKP-28(-244)	DVTE(-6.5) a_9^{+2}(-49)	b_9^{+2}(-32)	b_{10}^{+2}(-14)	y_4(-22)	b_{11}^{+2}(-30) VAEGET-28(-72)		b_{12}-NH_3^{+2}(30) y_{10}^{+2}(-51)	a_{18}^{+3}(96) y_{17}^{+3}(84)	GETKPD-NH_3(221) MH-H_2O^{+4}(192) MH-NH_3^{+4}(-210)
615.8971	**643.7900**	**672.2993**	**703.6336**	**716.3276**	**736.8140**	**737.3201**	**757.9904**	**772.3387**	**928.3982**
MH^{+4}(178)	a_{19}^{+3}(256) b_{13}-NH_3^{+2}(34) y_{11}^{+2}(-38)	y_{12}^{+2}(-39)	y_{20}^{+3}(-46)	y_6(-42)	y_{13}^{+2}(-45)	y_{21}^{+3}(-39)	b_{15}-H_2O^{+2}(189)	a_8-H_2O(1.8) y_{14}^{+2}(-35)	y_8(-42)

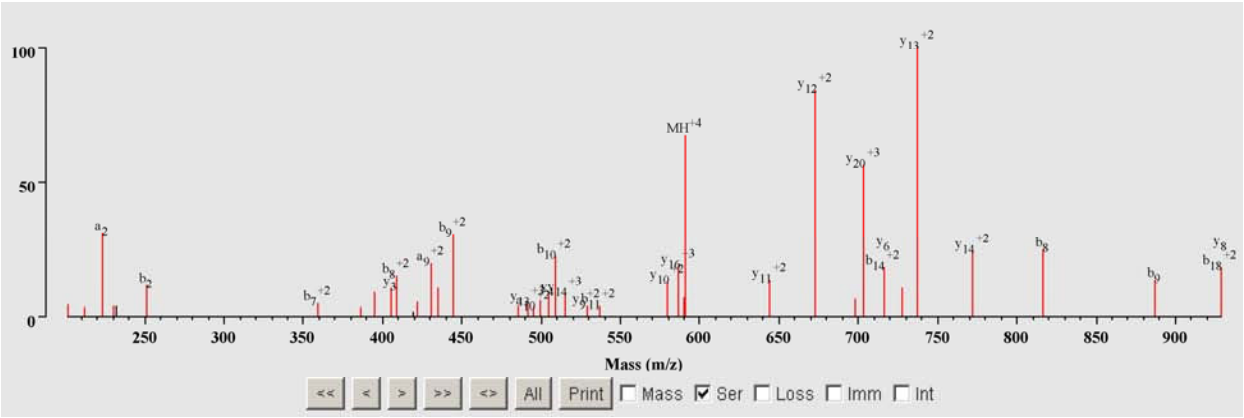
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	23 ---	---
251.1026	---	2	Y	22 2373.0953	1187.0513
352.1503	---	3	T	21 2210.0320	1105.5196
439.1823	---	4	S	20 2108.9843	1054.9958
510.2195	---	5	A	19 2021.9523	1011.4798
647.2784	324.1428	6	H	18 1950.9152	975.9612
704.2998	352.6536	7	G	17 1813.8563	907.4318
818.3428	409.6750	8	N	16 1756.8348	878.9210
917.4112	459.2092	9	V	15 1642.7919	821.8996
988.4483	494.7278	10	A	14 1543.7235	772.3654
1117.4909	559.2491	11	E	13 1472.6863	736.8468
1174.5123	587.7598	12	G	12 1343.6437	672.3255
1303.5549	652.2811	13	E	11 1286.6223	643.8148
1404.6026	702.8049	14	T	10 1157.5797	579.2935

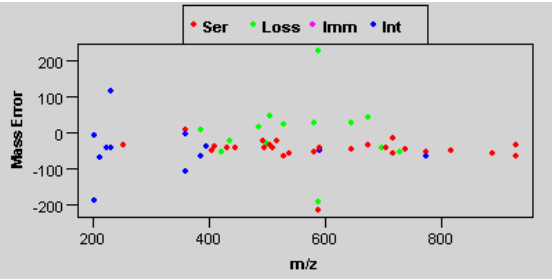
1532.6976	766.8524	15	**K**	9	1056.5320	528.7696
1629.7503	815.3788	16	**P**	8	928.4371	464.7222
1744.7773	872.8923	17	**D**	7	831.3843	416.1958
1841.8300	921.4187	18	**P**	6	716.3573	358.6823
1956.8570	978.9321	19	**D**	5	619.3046	310.1559
2055.9254	1028.4663	20	**V**	4	504.2776	252.6425
2156.9731	1078.9902	21	**T**	3	405.2092	203.1083
2286.0157	1143.5115	22	**E**	2	304.1615	152.5844
---	---	23	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAHGNVAEGETKPDPDVTER^{+4}



Max Intensity: **30.9**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.2%** Matched Series Intensity: **99.1%**



Sequence SYSAHGNVAEGETKPDPDVTER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C98 H152 N29 O39

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2360.4708	2359.0797	1180.7391	1180.0435	787.4952	787.0314	590.8733	590.5254

[–] Peak Matches

201.0856	212.1249	223.0985	230.1405	232.0958	251.0944	359.1547	386.1782	395.1774	405.1903
AE(-6.9) VT(-188)	TK-H_2O(-68)	a_2(-41) YS-28(-41)	AEG-28(117) TK(-41)		YS(-33) b_2(-33)	b_7^{+2}(9.8) AEGE-28(-4.0) ETK(-105)	a_8-NH_3^{+2}(9.2) NVAE-28(-65)	PDVT-H_2O(-38)	y_3(-47)
408.6706	**419.1814**	**421.6710**	**430.1886**	**435.1888**	**444.1862**	**485.5722**	**491.5563**	**494.7066**	**499.7058**
b_8^{+2}(-36)		a_9-NH_3^{+2}(-53)	a_9^{+2}(-42)	b_9-H_2O^{+2}(-23)	b_9^{+2}(-40)	y_{13}-H_2O^{+3}(18)	y_{13}^{+3}(-22)	a_{10}^{+2}(-43)	b_{10}-H_2O^{+2}(-28)
504.2603	**508.7032**	**515.2343**	**528.7348**	**537.2054**	**579.2641**	**586.1570**	**590.2392**	**590.5019**	**643.7852**
b_{15}-H_2O^{+3}(49) y_4(-34)	b_{10}^{+2}(-43)	y_{14}^{+3}(-23)	b_{11}-NH_3^{+2}(23) y_9^{+2}(-66)	b_{11}^{+2}(-57)	a_{12}-NH_3^{+2}(30) y_{10}^{+2}(-51)	MH-H_2O^{+4}(229) MH-NH_3^{+4}(-191) y_{16}^{+3}(-215)	HGNVAE-H_2O(-49)	MH^{+4}(-40)	b_{13}-NH_3^{+2}(27) y_{11}^{+2}(-46)
672.3018	**697.6340**	**703.6361**	**716.3175**	**727.8043**	**736.8140**	**772.3236**	**816.3232**	**887.3500**	**928.3786**
a_7-NH_3(42) y_{12}^{+2}(-35)	y_{20}-H_2O^{+3}(-41)	y_{20}^{+3}(-43)	b_{14}^{+2}(-15) y_6(-56)	y_{13}-H_2O^{+2}(-51)	y_{13}^{+2}(-45)	y_{14}^{+2}(-54) YSAHGNVA-28(-65)	b_8(-49)	b_9(-57)	b_{18}^{+2}(-32) y_8(-63)

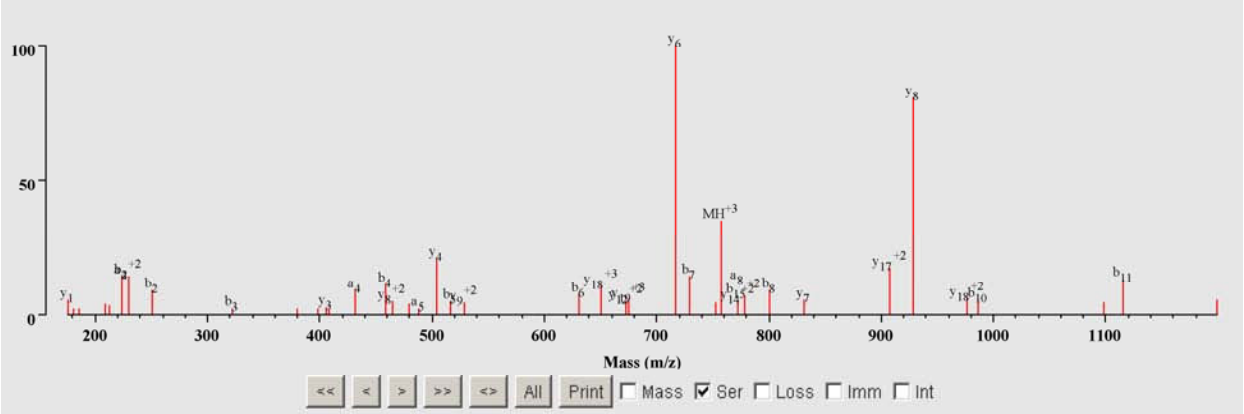
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	22 ---	---
251.1026	---	2	Y	21 2272.0476	1136.5275
338.1347	---	3	S	20 2108.9843	1054.9958
409.1718	---	4	A	19 2021.9523	1011.4798
546.2307	273.6190	5	H	18 1950.9152	975.9612
603.2522	302.1297	6	G	17 1813.8563	907.4318
717.2951	359.1512	7	N	16 1756.8348	878.9210
816.3635	408.6854	8	V	15 1642.7919	821.8996
887.4006	444.2039	9	A	14 1543.7235	772.3654
1016.4432	508.7252	10	E	13 1472.6863	736.8468
1073.4647	537.2360	11	G	12 1343.6437	672.3255
1202.5073	601.7573	12	E	11 1286.6223	643.8148
1303.5549	652.2811	13	T	10 1157.5797	579.2935
1431.6499	716.3286	14	K	9 1056.5320	528.7696
1528.7027	764.8550	15	P	8 928.4371	464.7222
1643.7296	822.3684	16	D	7 831.3843	416.1958

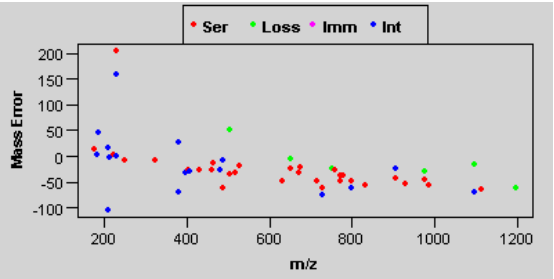
1740.7824	870.8948	17	**P**	6	716.3573	358.6823
1855.8093	928.4083	18	**D**	5	619.3046	310.1559
1954.8777	977.9425	19	**V**	4	504.2776	252.6425
2055.9254	1028.4663	20	**T**	3	405.2092	203.1083
2184.9680	1092.9876	21	**E**	2	304.1615	152.5844
---	---	22	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAHGNVAEGETKPDPDVTER^{+3}



Max Intensity: **796**
Num Matched: **40/40 (0.0% unmatched)** Matched Intensity: **100.0%** Matched Series Intensity: **100.0%**



Sequence: SYAHGNVAEGETKPDPDVTER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C95 H147 N28 O37

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2273.3922	2272.0476	1137.1998	1136.5275	758.4690	758.0207

[–] Peak Matches

175.1214	181.1091	185.1005	209.1066	212.1390	223.1084	230.1502	251.1006	322.1369	380.1775
y_1(14)	AH-28(3.9)	PD-28(46) DP-28(46)	AH(16) KP-NH_3(-105)	TK-H_2O(-1.7)	a_2(3.1)	b_4^{+2}(205) AEG-28(159) TK(1.2)	b_2(-8.1)	b_3(-8.8)	AHGN(26) HGNV-28(-70)
398.1903	**405.1985**	**408.1871**	**431.1916**	**459.1864**	**464.7168**	**479.2229**	**488.1955**	**504.2607**	**516.2035**
GETK-H_2O(-33)	y_3(-26)	HGNV(-29)	a_4(-28)	b_4(-27)	y_8^{+2}(-12)	HGNVA(-28) AHGNV(-28)	AEGET(-6.6) a_5(-61)	a_{15}-H_2O^{+3}(50) y_4(-34)	b_5(-32)
528.7603	**630.2321**	**650.9619**	**672.3043**	**674.6423**	**716.3233**	**729.2861**	**752.3280**	**757.9998**	**772.3370**
y_9^{+2}(-18)	b_6(-49)	b_{19}-H_2O^{+3}(-6.0) y_{18}^{+3}(-23)	y_{12}^{+2}(-32)	y_{19}^{+3}(-20)	y_6(-48)	b_7(-62) EGETKPD-28(-76)	MH-NH_3^{+3}(-23)	MH^{+3}(-28)	y_{14}^{+2}(-37) a_8(-47)
778.8230	**800.3298**	**831.3375**	**907.3939**	**928.3866**	**975.9167**	**986.3776**	**1098.4302**	**1115.4038**	**1198.4367**
b_{15}^{+2}(-38)	b_8(-48) AEGETKPD-28(-61)	y_7(-56)	AEGETKPDP-H_2O(-24) y_{17}^{+2}(-42)	y_8(-54)	b_{19}-H_2O^{+2}(-29) y_{18}^{+2}(-46)	b_{10}(-56)	b_{11}-NH_3(-17) GNVAEGETKPD(-69)	b_{11}(-64)	b_{12}-H_2O(-63)

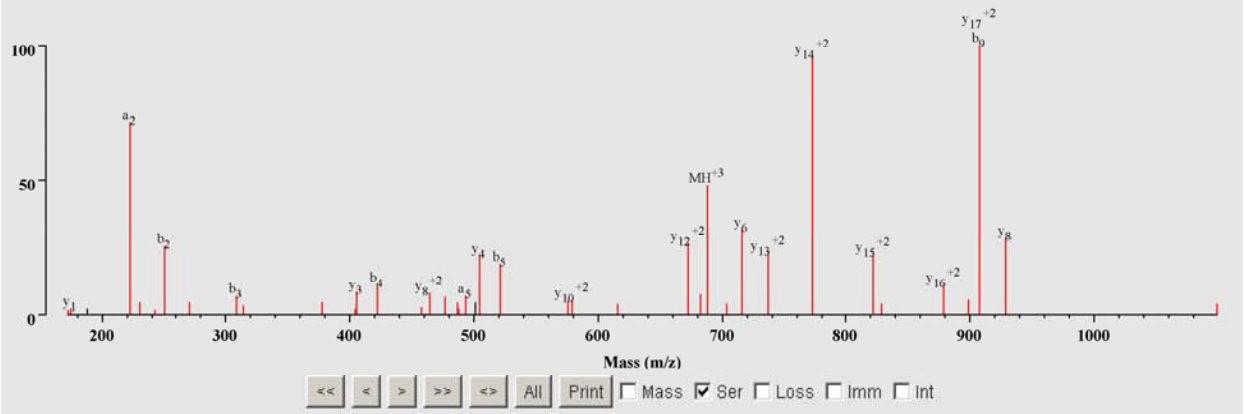
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 21	---	---
251.1026	---	2	Y 20	2185.0156	1093.0114
322.1397	---	3	A 19	2021.9523	1011.4798
459.1987	230.1030	4	H 18	1950.9152	975.9612
516.2201	258.6137	5	G 17	1813.8563	907.4318
630.2631	315.6352	6	N 16	1756.8348	878.9210
729.3315	365.1694	7	V 15	1642.7919	821.8996
800.3686	400.6879	8	A 14	1543.7235	772.3654
929.4112	465.2092	9	E 13	1472.6863	736.8468
986.4326	493.7200	10	G 12	1343.6437	672.3255
1115.4752	558.2413	11	E 11	1286.6223	643.8148
1216.5229	608.7651	12	T 10	1157.5797	579.2935
1344.6179	672.8126	13	K 9	1056.5320	528.7696
1441.6706	721.3390	14	P 8	928.4371	464.7222
1556.6976	778.8524	15	D 7	831.3843	416.1958
1653.7503	827.3788	16	P 6	716.3573	358.6823

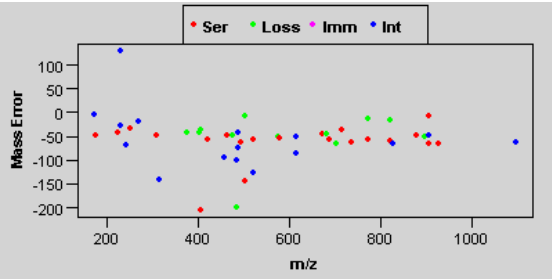
1768.7773	884.8923	17	**D**	5	619.3046	310.1559
1867.8457	934.4265	18	**V**	4	504.2776	252.6425
1968.8934	984.9503	19	**T**	3	405.2092	203.1083
2097.9360	1049.4716	20	**E**	2	304.1615	152.5844
---	---	21	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGNVAEGETKPDPDVTER^{+3}



Max Intensity: **32.4**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.0%** Matched Series Intensity: **98.9%**



Sequence SYGNVAEGETKPDPDVTER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C86 H135 N24 O35

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2065.1708	2063.9516	1033.0891	1032.4794	689.0619	688.6554

[–] Peak Matches

172.0709	175.1108	188.1216	223.0985	230.1434	243.1281	251.0944	271.1348	308.1094	314.1372
GN(-4.5)	y_1(-47)		a_2(-41)	AEG-28(130) TK(-28)	GNV-28(-70)	b_2(-33)	GNV(-19)	b_3(-48)	GNVA-28(-143)
377.1300	**404.1395**	**405.1256**	**422.1434**	**458.1809**	**464.7005**	**476.1912**	**486.1703**	**488.1777**	**493.2090**
a_4-NH_3(-41)	b_4-H_2O(-42)	b_4-NH_3(-37) y_3(-206)	b_4(-56)	VAEGE-28(-95)	y_8^{+2}(-47)	a_5-NH_3(-48)	VAEGE(-101) y_4-H_2O(-199)	AEGET(-43) YGNVA-NH_3(-74)	a_5(-64)
501.1899	**504.2051**	**521.2063**	**575.2169**	**579.2619**	**616.2414**	**672.2944**	**682.6202**	**688.6171**	**704.2412**
	b_5-NH_3(-7.5) y_4(-144)	b_5(-56) TKPDP-H_2O(-126)	b_6-NH_3(-51)	y_{10}^{+2}(-55)	YGNVAE-H_2O(-51) AEGETK(-85)	y_{12}^{+2}(-46)	MH-H_2O^{+3}(-46)	MH^{+3}(-56)	b_7-NH_3(-67)
716.3314	**736.8011**	**772.3203**	**821.8513**	**828.3184**	**878.8791**	**898.8723**	**907.3732**	**928.3751**	**1098.4379**
y_6(-36)	y_{13}^{+2}(-62)	b_{15}-NH_3^{+2}(-14) y_{14}^{+2}(-58)	b_{16}-NH_3^{+2}(-17) y_{15}^{+2}(-59)	AEGETKPD(-66)	y_{16}^{+2}(-48)	y_{17}-NH_3^{+2}(-51)	b_9(-6.6) AEGETKPDP-H_2O(-47) y_{17}^{+2}(-65)	y_8(-67)	GNVAEGETKPD(-62)

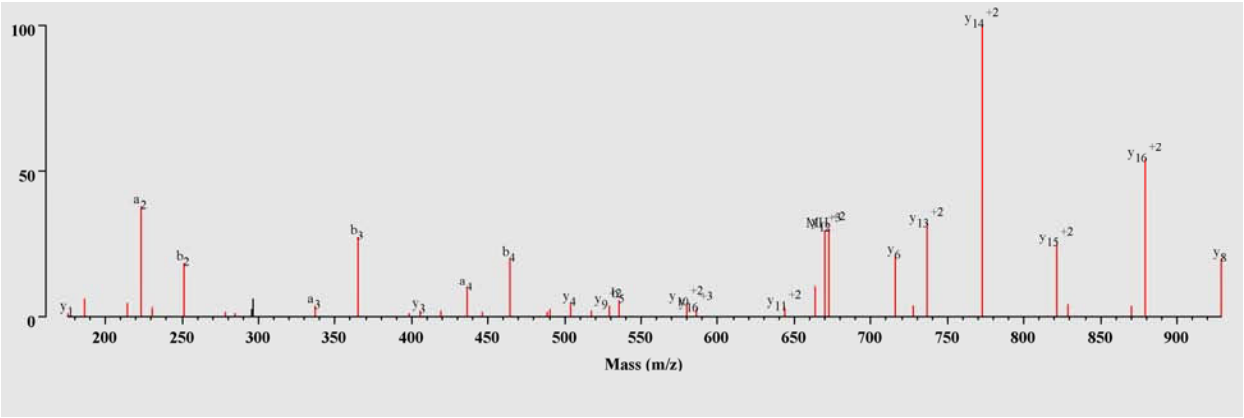
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S**	19 ---	---
251.1026	---	2	**Y**	18 1976.9196	988.9634
308.1241	---	3	**G**	17 1813.8563	907.4318
422.1670	---	4	**N**	16 1756.8348	878.9210
521.2354	---	5	**V**	15 1642.7919	821.8996
592.2726	---	6	**A**	14 1543.7235	772.3654
721.3151	---	7	**E**	13 1472.6863	736.8468
778.3366	---	8	**G**	12 1343.6437	672.3255
907.3792	---	9	**E**	11 1286.6223	643.8148
1008.4269	---	10	**T**	10 1157.5797	579.2935
1136.5218	568.7646	11	**K**	9 1056.5320	528.7696
1233.5746	617.2909	12	**P**	8 928.4371	464.7222
1348.6016	674.8044	13	**D**	7 831.3843	416.1958
1445.6543	723.3308	14	**P**	6 716.3573	358.6823
1560.6813	780.8443	15	**D**	5 619.3046	310.1559
1659.7497	830.3785	16	**V**	4 504.2776	252.6425

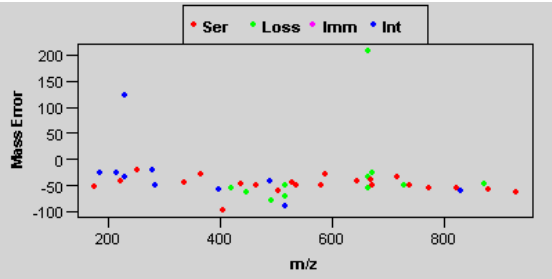
1760.7973	880.9023	17	**T**	3	405.2092	203.1083
1889.8399	945.4236	18	**E**	2	304.1615	152.5844
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNVAEGETKPDPDVTER^{+3}



Max Intensity: **98.2**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.3%** Matched Series Intensity: **98.2%**



Sequence SYNVAEGETKPDPDVTER

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C84 H132 N23 O34

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2008.1186	2006.9302	1004.5630	1003.9687	670.0445	669.6482

[–] Peak Matches

175.1096	186.1189	214.1130	223.0985	230.1419	251.0974	278.1074	285.1414	295.1420	296.1297
y_1(-53)	NV-28(-26)	NV(-26)	a_2(-41)	AEG-28(123) TK(-35)	b_2(-21)	YN(-22)	NVA(-50)		
337.1358	**365.1353**	**398.1800**	**405.1694**	**419.1697**	**436.1982**	**446.1750**	**464.1906**	**488.1777**	**490.1913**
a_3(-44)	b_3(-28)	GETK-H_2O(-59)	y_3(-98)	a_4-NH_3(-54)	a_4(-48)	b_4-H_2O(-64)	b_4(-50)	AEGET(-43)	a_5-NH_3(-78)
504.2476	**517.2147**	**528.7457**	**535.2243**	**579.2641**	**586.2665**	**643.7876**	**663.6090**	**663.9504**	**669.6223**
y_4(-60)	b_5-H_2O(-50) a_{10}-H_2O^{+2}(-70) EGETK-28(-91)	y_9^{+2}(-45)	KPDPD-H_2O(-50) b_5(-50)	y_{10}^{+2}(-51)	y_{16}^{+3}(-28)	y_{11}^{+2}(-42)	MH-H_2O^{+3}(-54)	y_{12}-NH_3^{+2}(208) MH-NH_3^{+3}(-34)	MH^{+3}(-39)
672.2919	**716.3336**	**727.8043**	**736.8089**	**772.3229**	**821.8540**	**828.3239**	**870.3678**	**878.8707**	**928.3780**
a_{13}-NH_3^{+2}(-26) y_{12}^{+2}(-50)	y_6(-33)	y_{13}-H_2O^{+2}(-51)	y_{13}^{+2}(-51)	y_{14}^{+2}(-55)	y_{15}^{+2}(-55)	AEGETKPD(-60)	y_{16}-NH_3^{+2}(-46)	y_{16}^{+2}(-57)	y_8(-64)

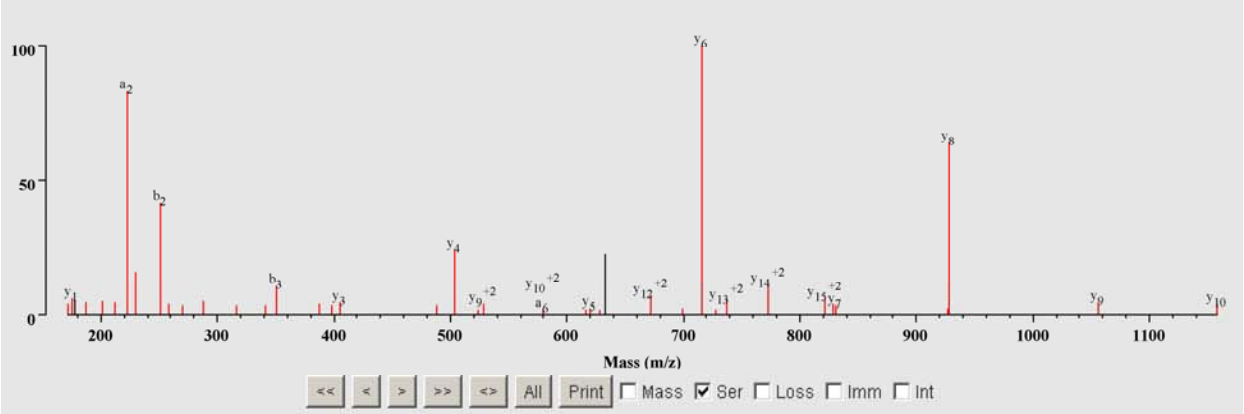
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	18	---	---
251.1026	---	2	**Y**	17	1919.8981	960.4527
365.1456	---	3	**N**	16	1756.8348	878.9210
464.2140	---	4	**V**	15	1642.7919	821.8996
535.2511	---	5	**A**	14	1543.7235	772.3654
664.2937	---	6	**E**	13	1472.6863	736.8468
721.3151	---	7	**G**	12	1343.6437	672.3255
850.3577	---	8	**E**	11	1286.6223	643.8148
951.4054	---	9	**T**	10	1157.5797	579.2935
1079.5004	540.2538	10	**K**	9	1056.5320	528.7696
1176.5531	588.7802	11	**P**	8	928.4371	464.7222
1291.5801	646.2937	12	**D**	7	831.3843	416.1958
1388.6329	694.8201	13	**P**	6	716.3573	358.6823
1503.6598	752.3335	14	**D**	5	619.3046	310.1559
1602.7282	801.8677	15	**V**	4	504.2776	252.6425
1703.7759	852.3916	16	**T**	3	405.2092	203.1083
1832.8185	916.9129	17	**E**	2	304.1615	152.5844

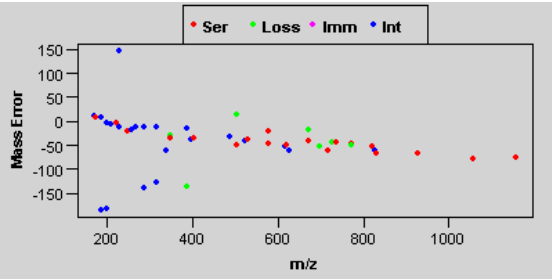
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVAEGETKPDPDVTER^{+3}



Max Intensity: **2694**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **94.4%** Matched Series Intensity: **94.4%**



Sequence SYVAEGETKPDPDVTER

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C80 H126 N21 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1894.0141	1892.8872	947.5108	946.9473	632.0097	631.6339

[–] Peak Matches

171.1146	175.1202	178.0856	187.0730	201.0864	212.1377	223.1069	230.1473	251.0976	258.1039
VA(10)	y_1(7.1)		EG(8.9) GE(8.9) DV-28(-186)	AE(-2.9) VT(-184)	TK-H_2O(-7.8)	a_2(-3.7)	AEG-28(147) TK(-11)	b_2(-20)	AEG(-18)
270.1051	**288.1153**	**316.1101**	**341.1614**	**350.1589**	**387.1453**	**398.1884**	**405.1947**	**488.1829**	**504.2522**
GET-H_2O(-12)	EGE-28(-13) GET(-13) DVT-28(-139)	EGE(-12) DVT(-127)	KPD(-60) ETK-H_2O(-60)	y_6-NH_3^{+2}(-29) b_3(-35)	AEGE(-15) y_3-H_2O(-138)	GETK-H_2O(-38)	y_3(-36)	AEGET(-32)	a_5-H_2O(14) y_4(-50)
524.2133	**528.7494**	**579.2658**	**616.2603**	**619.2734**	**628.2547**	**632.3174**	**672.2970**	**699.2938**	**716.3132**
PDPDV(-42) PDVTE-H_2O(-42)	y_9^{+2}(-38)	a_6(-20) y_{10}^{+2}(-48)	AEGETK(-54)	y_5(-50)	GETKPD(-62)		a_{13}-H_2O^{+2}(-18) y_{12}^{+2}(-42)	y_6-NH_3(-53)	y_6(-62)
727.8097	**736.8139**	**772.3292**	**821.8556**	**828.3225**	**831.3293**	**927.3805**	**928.3750**	**1056.4473**	**1157.4908**
y_{13}-H_2O^{+2}(-44)	y_{13}^{+2}(-45)	y_{14}^{+2}(-47) a_{15}-H_2O^{+2}(-49)	y_{15}^{+2}(-54)	AEGETKPD(-61)	y_7(-66)	VAEGETKPD(-66)	y_8(-67)	y_9(-80)	y_{10}(-77)

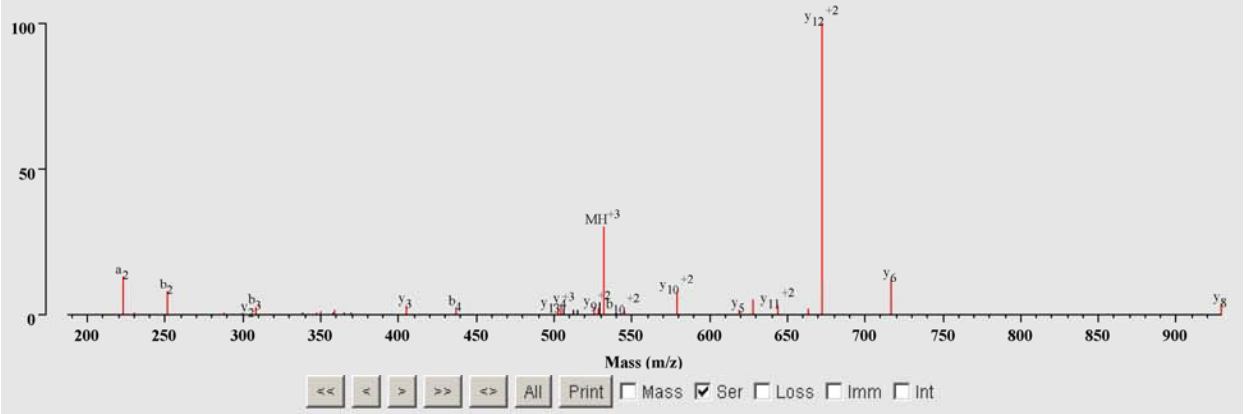
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	17	---	---
251.1026	---	2	**Y**	16	1805.8552	903.4312
350.1710	---	3	**V**	15	1642.7919	821.8996
421.2082	---	4	**A**	14	1543.7235	772.3654
550.2508	---	5	**E**	13	1472.6863	736.8468
607.2722	---	6	**G**	12	1343.6437	672.3255
736.3148	---	7	**E**	11	1286.6223	643.8148
837.3625	---	8	**T**	10	1157.5797	579.2935
965.4575	483.2324	9	**K**	9	1056.5320	528.7696
1062.5102	531.7587	10	**P**	8	928.4371	464.7222
1177.5372	589.2722	11	**D**	7	831.3843	416.1958
1274.5899	637.7986	12	**P**	6	716.3573	358.6823
1389.6169	695.3121	13	**D**	5	619.3046	310.1559
1488.6853	744.8463	14	**V**	4	504.2776	252.6425
1589.7330	795.3701	15	**T**	3	405.2092	203.1083
1718.7756	859.8914	16	**E**	2	304.1615	152.5844

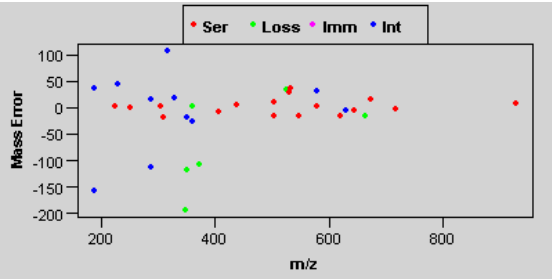
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGETKPDPDVTER^{+3}



Max Intensity: **24.1**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **93.9%** Matched Series Intensity: **92.8%**



Sequence SYGETKPDPDVTER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C67 H105 N18 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1594.6852	1593.7391	797.8463	797.3732	532.2333	531.9179

[–] Peak Matches

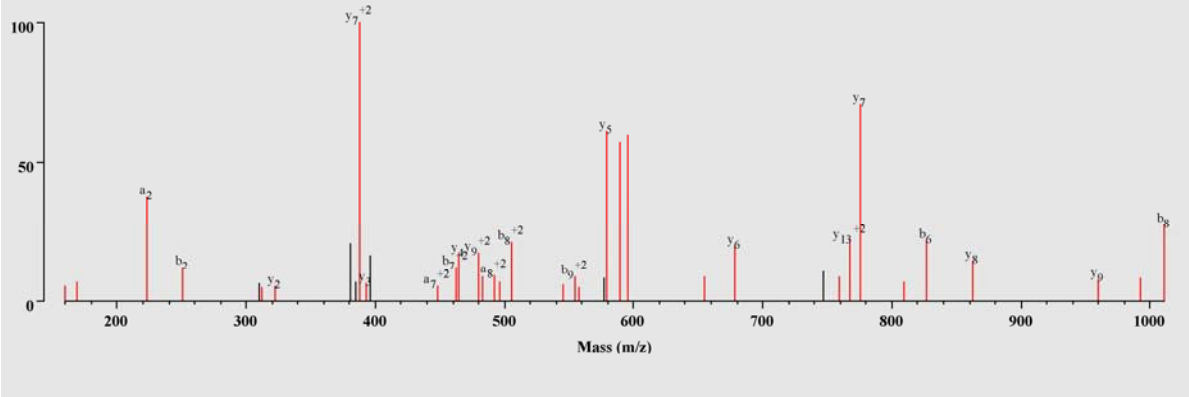
187.0783	223.1082	230.1599	251.1027	288.1230	304.1623	308.1187	316.1840	328.1197	338.1393
GE(37) DV-28(-157)	a_2(2.2)	TK(43)	b_2(0.27)	GET(14) DVT-28(-112)	y_2(2.5)	b_3(-18)	DVT(107)	DPD(18)	
343.1390	**347.1059**	**350.1279**	**353.1097**	**358.1325**	**359.1829**	**364.0390**	**365.1125**	**369.1241**	**373.1393**
	y_9-NH_3^{+3}(-194)	YGE(-19) y_6-NH_3^{+2}(-117)			a_7-H_2O^{+2}(2.7) ETK(-27)				b_7-H_2O^{+2}(-107)
405.2060	**437.1684**	**502.9123**	**504.2698**	**506.5225**	**512.2391**	**515.1671**	**525.9325**	**528.7843**	**529.2654**
y_3(-8.0)	b_4(3.9)	y_{13}^{+3}(10)	y_4(-16)				MH-H_2O^{+3}(34)	y_9^{+2}(28)	
531.9363	**545.7295**	**579.2949**	**619.2954**	**628.2904**	**643.8111**	**663.3090**	**672.3354**	**716.3553**	**928.4441**
MH^{+3}(35)	b_{10}^{+2}(-16)	YGETK(30) y_{10}^{+2}(2.4)	y_5(-15)	GETKPD(-5.2)	y_{11}^{+2}(-5.7)	y_{12}-H_2O^{+2}(-17)	y_{12}^{+2}(15)	y_6(-2.9)	y_8(7.6)

[–] Main Sequence Ions

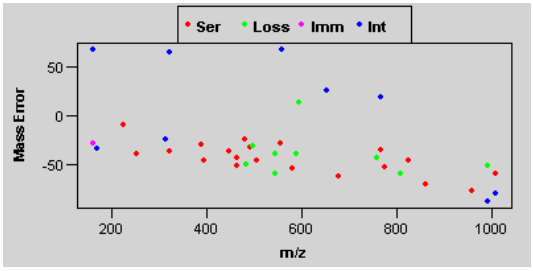
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1506.7071	753.8572
308.1241	---	3	G 12	1343.6437	672.3255
437.1667	---	4	E 11	1286.6223	643.8148
538.2144	---	5	T 10	1157.5797	579.2935
666.3093	333.6583	6	K 9	1056.5320	528.7696
763.3621	382.1847	7	P 8	928.4371	464.7222
878.3890	439.6982	8	D 7	831.3843	416.1958
975.4418	488.2245	9	P 6	716.3573	358.6823
1090.4687	545.7380	10	D 5	619.3046	310.1559
1189.5372	595.2722	11	V 4	504.2776	252.6425
1290.5848	645.7961	12	T 3	405.2092	203.1083
1419.6274	710.3174	13	E 2	304.1615	152.5844
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYWKNFPSPVDAAFR^{+3}



Max Intensity: **26.1**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **91.0%** Matched Series Intensity: **90.1%**



Sequence SYWKNFPSPVDAAFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C85 H118 N21 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1786.0121	1784.8755	893.5098	892.9414	596.0090	595.6300

[–] **Peak Matches**

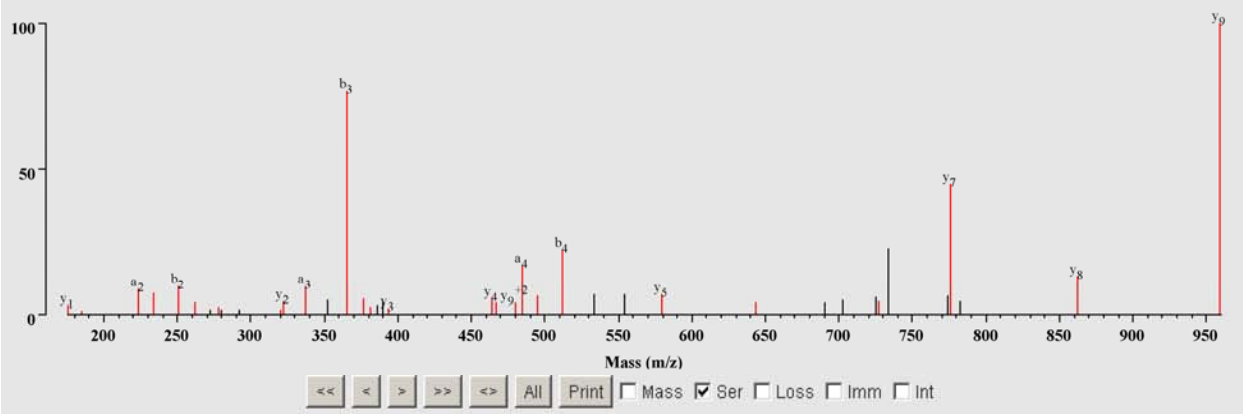
159.0870	169.1278	223.1056	251.0929	310.2278	312.1476	322.1756	380.1797	384.2149	388.1968
DA-28(67) W(-29)	PV-28(-34)	a_2(-9.5)	b_2(-39)		PVD(-25)	YW-28(64) y_2(-37)			y_7^{+2}(-30)
393.2063	**396.1864**	**448.2103**	**462.2007**	**464.2416**	**480.2393**	**483.2054**	**491.7263**	**496.7189**	**505.7171**
y_3(-46)		a_7^{+2}(-37)	b_7^{+2}(-51)	y_4(-43)	y_9^{+2}(-24)	a_8-NH_3^{+2}(-50)	a_8^{+2}(-33)	b_8-H_2O^{+2}(-32)	b_8^{+2}(-46)
545.2392	**554.2503**	**557.3092**	**577.3047**	**579.2573**	**589.6030**	**595.2950**	**654.3408**	**678.3148**	**746.8512**
b_9-H_2O^{+2}(-40) y_{10}-NH_3^{+2}(-60)	b_9^{+2}(-29)	KNFPS-NH_3(67)		y_5(-54)	MH-H_2O^{+3}(-40)	b_{10}-NH_3^{+2}(13)	KNFPSP-NH_3(25)	y_6(-62)	
758.8557	**767.3863**	**767.8661**	**775.3689**	**809.3135**	**826.3503**	**862.3815**	**959.4211**	**992.4112**	**1010.4130**
y_{13}-H_2O^{+2}(-43)	FPSPVDAA-H_2O(18) PSPVDAAF-H_2O(18)	y_{13}^{+2}(-36)	y_7(-53)	b_6-NH_3(-60)	b_6(-46)	y_8(-70)	y_9(-77)	b_8-H_2O(-52) YWKNFPSP-28(-88)	b_8(-59) KNFPSPVDAA-NH_3(-80)

[–] **Main Sequence Ions**

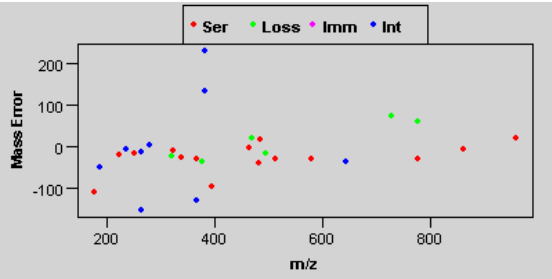
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1697.8435	849.4254
437.1819	---	3	W	13	1534.7801	767.8937
565.2769	283.1421	4	K	12	1348.7008	674.8540
679.3198	340.1636	5	N	11	1220.6058	610.8066
826.3883	413.6978	6	F	10	1106.5629	553.7851
923.4410	462.2241	7	P	9	959.4945	480.2509
1010.4730	505.7402	8	S	8	862.4417	431.7245
1107.5258	554.2665	9	P	7	775.4097	388.2085
1206.5942	603.8007	10	V	6	678.3570	339.6821
1321.6212	661.3142	11	D	5	579.2885	290.1479
1392.6583	696.8328	12	A	4	464.2616	232.6344
1463.6954	732.3513	13	A	3	393.2245	197.1159
1610.7638	805.8855	14	F	2	322.1874	161.5973
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNFPSPVDAAFR^{+2}



Max Intensity: **3.52**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **82.4%** Matched Series Intensity: **82.2%**



Sequence: SYNFPSPVDAAFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C68 H96 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1471.6222	1470.7012	736.3148	735.8542

[–] Peak Matches

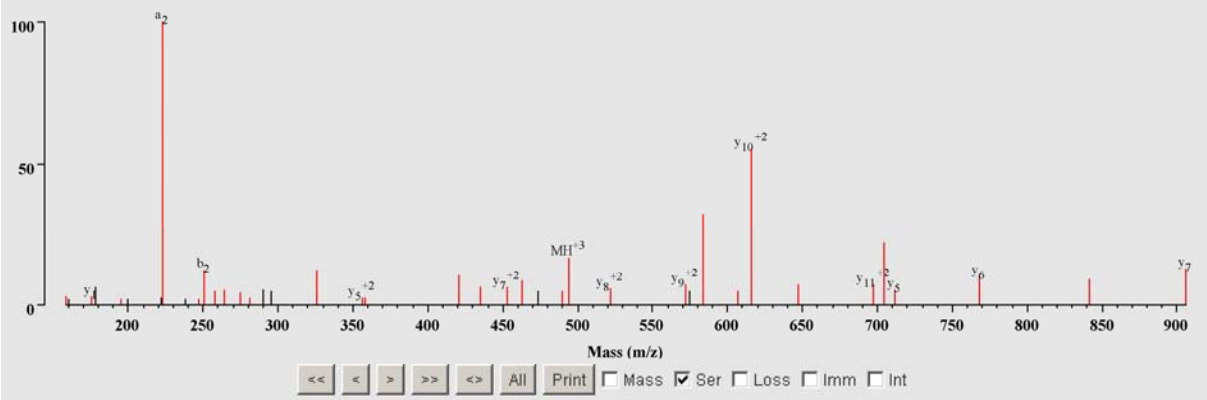
175.0999	185.0828	223.1031	234.1220	251.0988	262.1150	272.1093	278.1142	280.1304	292.0990
y_1(-109)	PS(-50) SP(-50)	a_2(-21)	NF-28(-7.3)	b_2(-15)	NF(-14) AAF-28(-153)		YN(2.4)		
320.1165	**322.1841**	**337.1414**	**352.1716**	**365.1346**	**376.1846**	**381.2648**	**386.2135**	**390.2138**	**393.1867**
a_3-NH_3(-24)	y_2(-10)	a_3(-27)		b_3(-30) PVDA-H_2O(-130)	y_3-NH_3(-35)	SPVD-H_2O(231) PSPV(135)			y_3(-96)
464.2611	**467.2025**	**480.2323**	**484.2272**	**495.1795**	**512.1985**	**533.2666**	**554.2957**	**579.2707**	**643.2851**
y_4(-1.1)	a_4-NH_3(21)	y_9^{+2}(-39)	a_4(17)	b_4-NH_3(-16)	b_4(-30)			y_5(-31)	FPSPVD(-37)
690.3177	**702.4015**	**724.8845**	**727.3943**	**733.9004**	**774.4333**	**775.3871**	**782.3397**	**862.4353**	**959.5126**
			MH-NH_3^{+2}(73)			b_7-H_2O(60) y_7(-29)		y_8(-7.5)	y_9(19)

[–] Main Sequence Ions

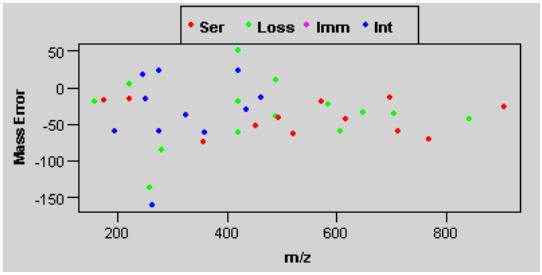
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1383.6692	692.3382
365.1456	3	N	11	1220.6058	610.8066
512.2140	4	F	10	1106.5629	553.7851
609.2667	5	P	9	959.4945	480.2509
696.2988	6	S	8	862.4417	431.7245
793.3515	7	P	7	775.4097	388.2085
892.4199	8	V	6	678.3570	339.6821
1007.4469	9	D	5	579.2885	290.1479
1078.4840	10	A	4	464.2616	232.6344
1149.5211	11	A	3	393.2245	197.1159
1296.5895	12	F	2	322.1874	161.5973
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTHHGPEYM(Oxidation)R^{+3}



Max Intensity: **8.17**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **91.6%** Matched Series Intensity: **91.7%**



Sequence SYSTHHGPEYM(Oxidation)R
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H90 N19 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1481.4342	1480.6274	741.2208	740.8173	494.4830	494.2140

[–] **Peak Matches**

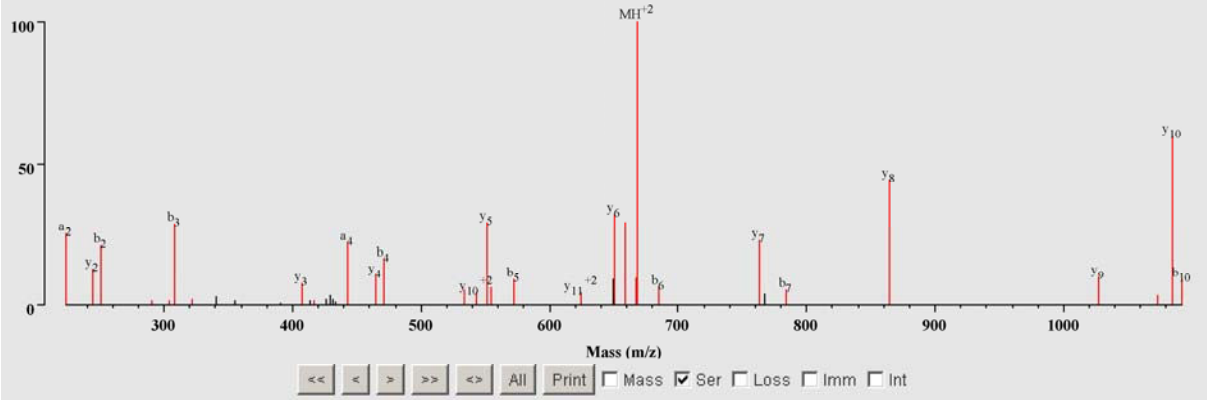
158.0894	160.0817	175.1158	178.0826	195.0760	200.1285	222.1031	223.1042	238.1046	247.1346
y_1-NH_3(-19)		y_1(-18)		HG(-60)			a_6-H_2O^{+3}(5.0) YS-28(-16) a_2(-16)		HH-28(18)
251.0989	**258.1207**	**264.1030**	**275.1090**	**281.1126**	**290.1121**	**295.1404**	**326.1337**	**356.1336**	**358.1402**
b_2(-15) YS(-15)	y_2-$SOCH_4$(-137)	HGP-28(-161)	EY-H_2O(23) HH(-59)	y_7-$SOCH_4^{+3}$(-85)			STH(-37)	y_5^{+2}(-75)	THH-H_2O(-61)
421.1931	**435.1967**	**453.1769**	**463.1982**	**473.2014**	**489.7116**	**494.1931**	**521.6968**	**572.2428**	**574.7448**
b_4-H_2O(51) HGPE(24) y_7-$SOCH_4^{+2}$(-19) y_3-$SOCH_4$(-62)	STHH-28(-30)	y_7^{+2}(-52)	STHH(-14)		b_9-H_2O^{+2}(9.7) y_8-$SOCH_4^{+2}$(-39)	MH^{+3}(-42)	y_8^{+2}(-63)	y_9^{+2}(-19)	
583.7572	**606.7284**	**615.7434**	**647.2934**	**697.2916**	**704.3115**	**711.2707**	**768.2805**	**841.3589**	**905.3702**
y_{10}-$SOCH_4^{+2}$(-23)	y_{10}-H_2O^{+2}(-59)	y_{10}^{+2}(-43)	y_5-$SOCH_4$(-33)	y_{11}^{+2}(-14)	y_6-$SOCH_4$(-35)	y_5(-60)	y_6(-70)	y_7-$SOCH_4$(-43)	y_7(-26)

[–] **Main Sequence Ions**

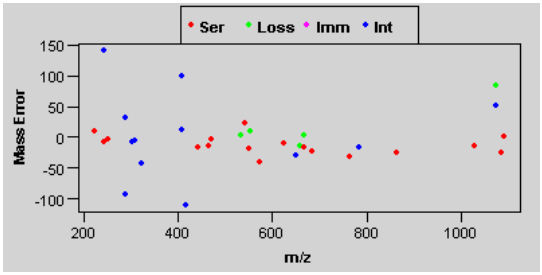
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1393.5954	697.3013
338.1347	---	3	**S**	10	1230.5320	615.7697
439.1823	---	4	**T**	9	1143.5000	572.2536
576.2413	288.6243	5	**H**	8	1042.4523	521.7298
713.3002	357.1537	6	**H**	7	905.3934	453.2003
770.3216	385.6645	7	**G**	6	768.3345	384.6709
867.3744	434.1908	8	**P**	5	711.3130	356.1602
996.4170	498.7121	9	**E**	4	614.2603	307.6338
1159.4803	580.2438	10	**Y**	3	485.2177	243.1125
1306.5157	653.7615	11	**M(Oxidation)**	2	322.1544	161.5808
---	---	12	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGYTLVSGYPK^{+2}



Max Intensity: **13.0**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **95.0%** Matched Series Intensity: **93.5%**



Sequence: SYGYTLVSGYPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H92 N13 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1335.5085	1334.6627	668.2580	667.8350

[–] Peak Matches

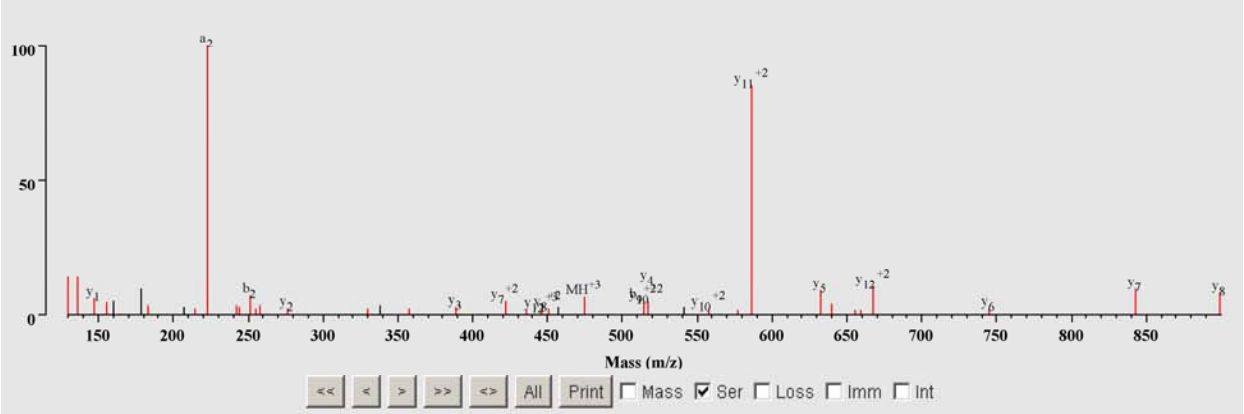
223.1099	244.1635	251.1017	290.1228	304.1266	308.1220	322.1255	341.0280	355.0724	391.1433
a_2(9.8)	VSG(141) y_2(-8.5)	b_2(-3.7)	b_3-H_2O(32) SGY-H_2O(32) GYP-28(-93)	GYT-H_2O(-8.5)	b_3(-6.8) SGY(-6.8)	GYT(-44)			
407.2334	**413.2099**	**417.1669**	**426.1468**	**429.1000**	**431.0823**	**433.2365**	**443.1854**	**464.2435**	**471.1858**
VSGY(100) y_3(11) GYTL-28(11)		GYTL-H_2O(-111)					a_4(-16)	y_4(-15)	b_4(-3.5)
533.7838	**542.7992**	**551.2723**	**554.2293**	**572.2122**	**624.3125**	**649.2868**	**650.3314**	**658.8203**	**667.3105**
y_{10}-H_2O^{+2}(3.3)	y_{10}^{+2}(22)	y_5(-18)	b_5-H_2O(8.6)	b_5(-40)	y_{11}^{+2}(-10)		y_6(-30) GYTLVSG-28(-30)	MH-H_2O^{+2}(-14)	b_6-H_2O(2.8)
667.8240	**685.3035**	**763.4115**	**767.3545**	**784.3753**	**864.4604**	**1027.5301**	**1073.5847**	**1084.5400**	**1091.5043**
MH^{+2}(-16)	b_6(-23)	y_7(-31)		b_7(-16) YGYTLVS(-16) YTLVSGY(-16)	y_8(-26)	y_9(-15)	b_{10}-H_2O(85) YGYTLVSGYP-28(51)	y_{10}(-25)	b_{10}(-0.094)

[–] Main Sequence Ions

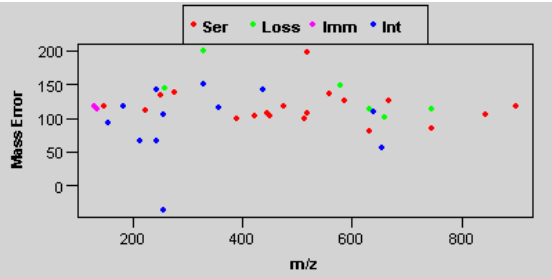
b			y	y^{+2}
---	1	S 12	---	---
251.1026	2	Y 11	1247.6307	624.3190
308.1241	3	G 10	1084.5673	542.7873
471.1874	4	Y 9	1027.5459	514.2766
572.2351	5	T 8	864.4825	432.7449
685.3192	6	L 7	763.4349	382.2211
784.3876	7	V 6	650.3508	325.6790
871.4196	8	S 5	551.2824	276.1448
928.4411	9	G 4	464.2504	232.6288
1091.5044	10	Y 3	407.2289	204.1181
1188.5572	11	P 2	244.1656	122.5864
---	12	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSKGPLDQLEK^{+3}



Max Intensity: **7.16**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **92.8%** Matched Series Intensity: **93.1%**



Sequence: SYGSKGPLDQLEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C62 H101 N16 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1422.5874	1421.7271	711.7974	711.3672	474.8674	474.5805

[–] Peak Matches

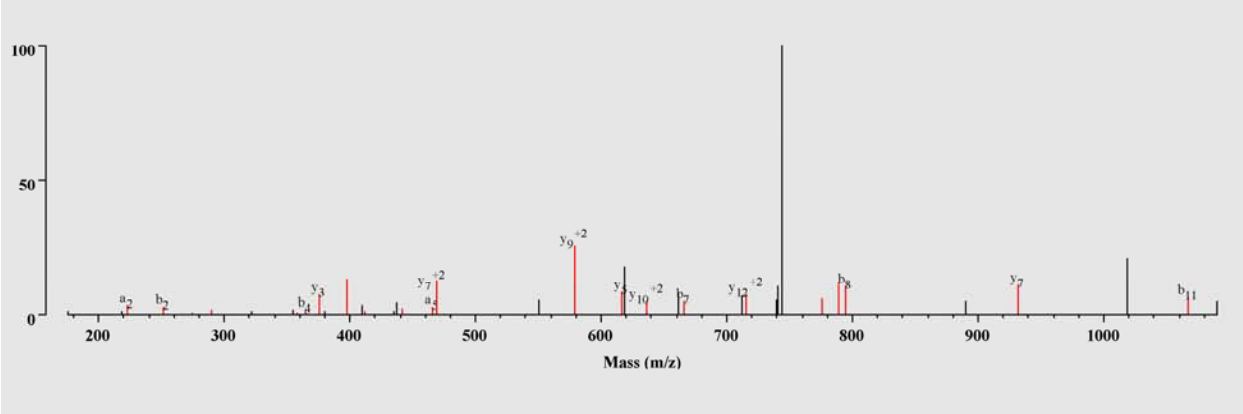
129.1175	136.0912	147.1302	155.0959	160.0944	178.1091	183.1706	207.1251	214.1691	223.1327
K(118)	Y(114)	y_1(118)	GP(93)			PL-28(117)		QL-28(66)	a_2(112)
242.1660	**244.1274**	**251.1363**	**255.1721**	**258.1821**	**276.1939**	**330.2270**	**338.2400**	**357.2184**	**389.2783**
QL(66)	DQ(142)	b_2(134)	GSK-H_2O(106) SKG-H_2O(106) KGP-28(-37)	y_2-H_2O(144)	y_2(139)	b_7-H_2O^{+2}(200) GSKG(151)		DQL(116) LDQ(116)	y_3(100)
421.7782	**436.2810**	**445.6180**	**450.2915**	**457.2877**	**474.6367**	**514.3441**	**517.3536**	**540.8693**	**557.8841**
y_7^{+2}(104)	YGSK(142) PLDQ-H_2O(142)	y_{12}^{+3}(108)	y_8^{+2}(103)		MH^{+3}(118)	y_9^{+2}(100)	b_{10}^{+2}(198) y_4(107)		y_{10}^{+2}(135)
577.4003	**586.3933**	**632.3757**	**639.4165**	**655.3778**	**658.9129**	**667.9352**	**745.4727**	**842.5505**	**899.5898**
y_{11}-H_2O^{+2}(149)	y_{11}^{+2}(126)	a_7-NH_3(114) y_5(80)	KGPLDQ(110)	GSKGPLD(56)	y_{12}-H_2O^{+2}(102)	y_{12}^{+2}(126)	a_8-NH_3(114) y_6(85)	y_7(105)	y_8(118)

[–] Main Sequence Ions

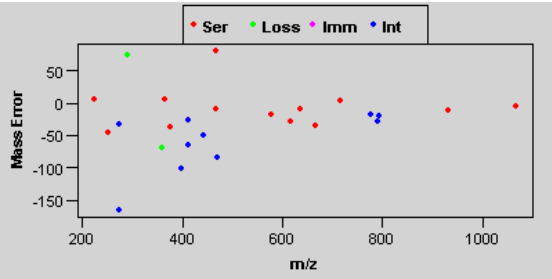
b	b^{+2}			y	y^{+2}
---	---	1	**S**	13 ---	---
251.1026	---	2	**Y**	12 1334.6951	667.8512
308.1241	---	3	**G**	11 1171.6317	586.3195
395.1561	---	4	**S**	10 1114.6103	557.8088
523.2511	262.1292	5	**K**	9 1027.5782	514.2928
580.2726	290.6399	6	**G**	8 899.4833	450.2453
677.3253	339.1663	7	**P**	7 842.4618	421.7345
790.4094	395.7083	8	**L**	6 745.4090	373.2082
905.4363	453.2218	9	**D**	5 632.3250	316.6661
1033.4949	517.2511	10	**Q**	4 517.2980	259.1527
1146.5790	573.7931	11	**L**	3 389.2395	195.1234
1275.6216	638.3144	12	**E**	2 276.1554	138.5813
---	---	13	**K**	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGETAQSADPQWEQLNNK^{+3}



Max Intensity: **14.4**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **42.5%** Matched Series Intensity: **42.5%**



Sequence SYGGETAQSADPQWEQLNNK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C94 H140 N27 O36

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2224.3191	2222.9949	1112.6633	1112.0011	742.1113	741.6698

[–] Peak Matches

175.1124	219.0725	223.1088	251.0913	274.0943	290.1353	322.1281	355.0729	358.1472	365.1473
		a_2(4.8)	b_2(-45)	SAD(-33) ETA-28(-166)	b_3-H_2O(75)			AQSA(-70) y_3-NH_3(-70)	b_4(4.8)
375.1848	**380.1124**	**398.1269**	**410.1293**	**412.1714**	**435.2116**	**437.1825**	**441.1873**	**466.2312**	**469.1645**
y_3(-37)		GGETA-H_2O(-101)		ETAQ-H_2O(-27) ADPQ(-27) PQW(-64)			TAQSA-H_2O(-50)	a_5(81) y_7^{+2}(-8.7)	GETAQ-H_2O(-84)
550.2607	**578.7811**	**616.3239**	**618.7748**	**636.2991**	**661.2748**	**666.2492**	**711.8173**	**715.3419**	**739.8577**
	y_9^{+2}(-17)	y_5(-28)		y_{10}^{+2}(-8.3)		b_7(-36)		y_{12}^{+2}(4.1)	
740.3442	**743.8186**	**776.3072**	**789.3152**	**794.3145**	**890.3457**	**931.4521**	**1018.4725**	**1067.4228**	**1089.5636**
		b_8-H_2O(-18) YGGETAQS-H_2O(-18)	GGETAQSAD-28(-28)	b_8(-21) YGGETAQS(-21)		y_7(-12)		b_{11}(-4.5)	

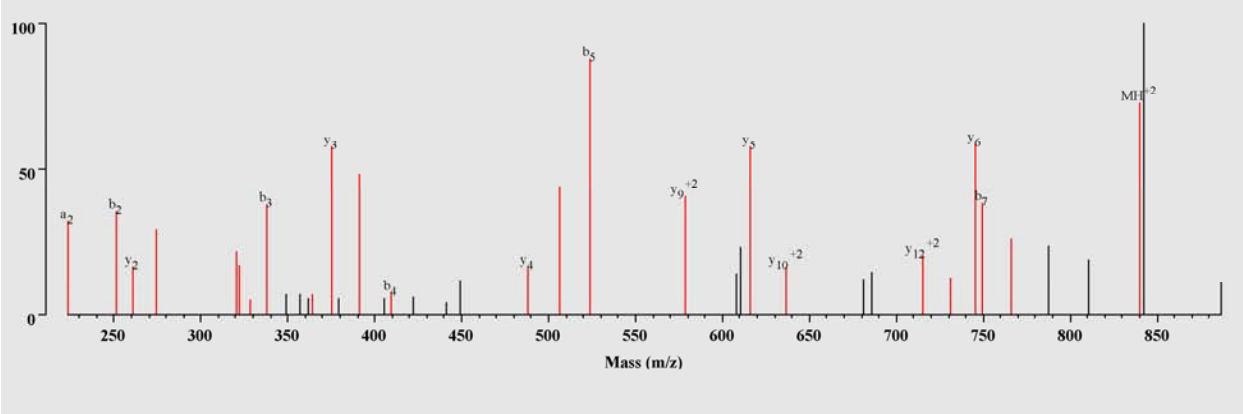
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	20 ---	---
251.1026	2	Y	19 2135.9629	1068.4851
308.1241	3	G	18 1972.8995	986.9534
365.1456	4	G	17 1915.8781	958.4427
494.1882	5	E	16 1858.8566	929.9319
595.2358	6	T	15 1729.8140	865.4106
666.2729	7	A	14 1628.7663	814.8868
794.3315	8	Q	13 1557.7292	779.3682
881.3636	9	S	12 1429.6706	715.3390
952.4007	10	A	11 1342.6386	671.8229
1067.4276	11	D	10 1271.6015	636.3044
1164.4804	12	P	9 1156.5745	578.7909
1292.5390	13	Q	8 1059.5218	530.2645
1478.6183	14	W	7 931.4632	466.2352
1607.6609	15	E	6 745.3839	373.1956
1735.7194	16	Q	5 616.3413	308.6743
1848.8035	17	L	4 488.2827	244.6450

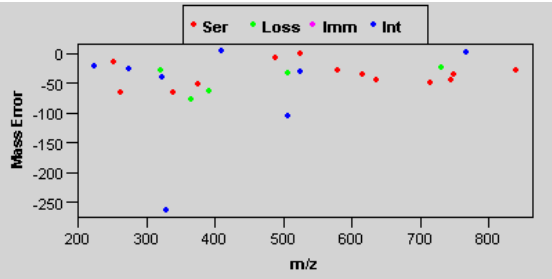
1962.8464	18	**N**	3	375.1987	188.1030
2076.8894	19	**N**	2	261.1557	131.0815
---	20	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSADPQWEQLNNK^{+2}



Max Intensity: **1.22**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **75.0%** Matched Series Intensity: **73.2%**



Sequence: SYSADPQWEQLNNK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H107 N20 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1680.7819	1679.7660	840.8946	840.3866

[–] Peak Matches

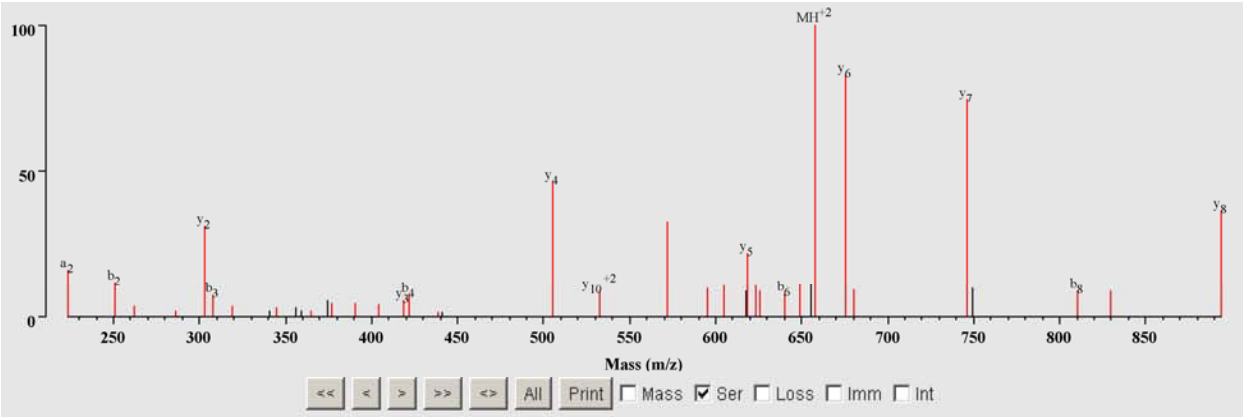
223.1031	251.0988	261.1382	274.0959	320.1148	322.1264	328.1116	338.1119	349.1231	357.1770
a_2(-21) YS-28(-21)	YS(-15) b_2(-15)	y_2(-67)	SAD(-27)	b_3-H_2O(-29)	YSA(-41)	QLN-28(-263)	b_3(-67)		
362.1096	**364.1622**	**375.1793**	**379.4023**	**391.1361**	**405.1302**	**409.1733**	**422.1815**	**441.1714**	**449.1535**
	y_6-H_2O^{+2}(-77)	y_3(-52)		b_4-H_2O(-64)		b_4(3.7) YSAD-28(3.7)			
488.2784	**506.1712**	**524.1975**	**578.7742**	**608.2320**	**610.2997**	**616.3192**	**636.2752**	**681.1914**	**686.2849**
y_4(-8.9)	b_5-H_2O(-33) YSADP-28(-105)	b_5(-2.3) PQWE-NH_3(-31)	y_9^{+2}(-29)			y_5(-36)	y_{10}^{+2}(-46)		
715.3039	**731.2822**	**745.3502**	**749.2832**	**766.3156**	**787.4469**	**810.4304**	**840.3634**	**842.3841**	**886.5088**
y_{12}^{+2}(-49)	b_7-H_2O(-24)	y_6(-45)	b_7(-36)	DPQWEQ-H_2O(0.16)			MH^{+2}(-28)		

[–] Main Sequence Ions

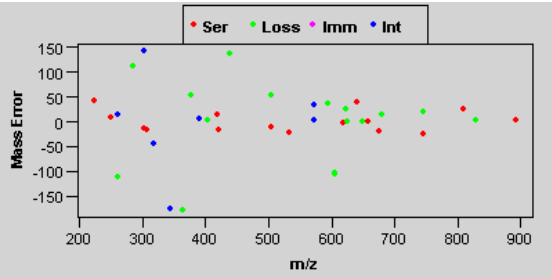
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1592.7340	796.8706
338.1347	3	S	12	1429.6706	715.3390
409.1718	4	A	11	1342.6386	671.8229
524.1987	5	D	10	1271.6015	636.3044
621.2515	6	P	9	1156.5745	578.7909
749.3101	7	Q	8	1059.5218	530.2645
935.3894	8	W	7	931.4632	466.2352
1064.4320	9	E	6	745.3839	373.1956
1192.4905	10	Q	5	616.3413	308.6743
1305.5746	11	L	4	488.2827	244.6450
1419.6175	12	N	3	375.1987	188.1030
1533.6605	13	N	2	261.1557	131.0815
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGNM(Oxidation)AGISDQR^{+2}



Max Intensity: **2.91**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **93.2%** Matched Series Intensity: **91.6%**



Sequence: SYGNM(Oxidation)AGISDQR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H84 N17 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1315.2507	1314.5743	658.1291	657.7908

[–] Peak Matches

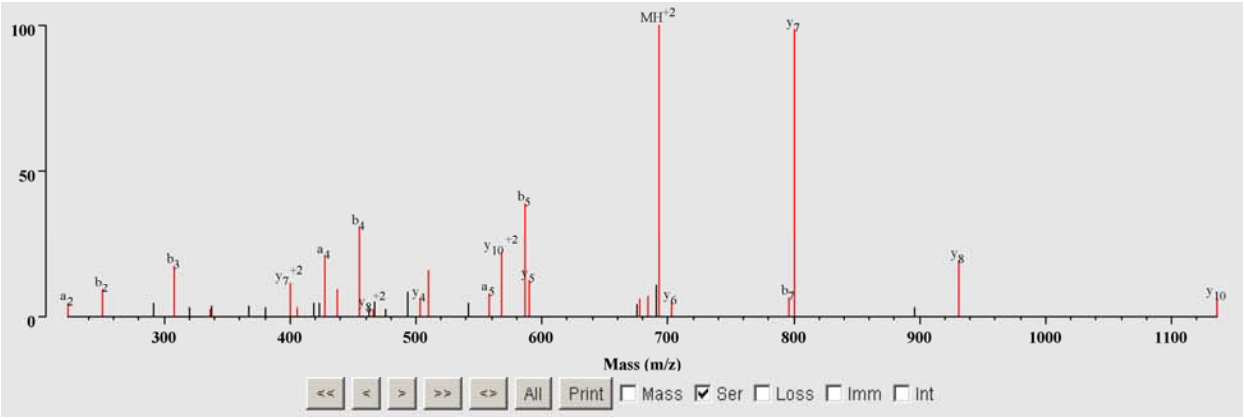
223.1173	251.1048	262.0889	286.1827	303.1732	308.1192	319.0927	341.1121	345.1165	356.0759
a_2(43)	b_2(8.6)	NM(Oxidation)(13) a_3-H_2O(-113)	y_2-NH_3(111)	SDQ-28(143) y_2(-14)	b_3(-16)	GNM(Oxidation)(-45)		GISD-28(-175)	
359.1331	**365.1147**	**374.2046**	**377.1656**	**390.1465**	**404.1572**	**418.2099**	**422.1601**	**438.2657**	**441.1694**
	y_7-NH_3^{+2}(-179)		a_4-NH_3(53)	GNM(Oxidation)A(5.9) NM(Oxidation)AG(5.9)	b_4-H_2O(1.8)	y_3(13)	b_4(-16)	y_8-H_2O^{+2}(137)	
505.2304	**532.7312**	**572.2687**	**595.2393**	**605.2059**	**617.2947**	**618.3181**	**623.2280**	**625.7921**	**640.2638**
b_5-$SOCH_4$(52) y_4(-12)	y_{10}^{+2}(-22)	NM(Oxidation)AGIS-H_2O(33) AGISDQ(2.2)	a_6-NH_3(36)	a_7-$SOCH_4$(-102) y_{11}-H_2O^{+2}(-105)		y_5(-4.0)	b_6-NH_3(24)	MH-$SOCH_4^{+2}$(0.73)	b_6(38)
648.7847	**655.2862**	**657.7915**	**675.3295**	**680.2431**	**746.3609**	**749.3713**	**810.3658**	**829.4184**	**893.4183**
MH-H_2O^{+2}(-1.2)		MH^{+2}(1.1)	y_6(-19)	b_7-NH_3(13)	b_8-$SOCH_4$(19) y_7(-24)		YGNM(Oxidation)AGIS(26) b_8(26)	y_8-$SOCH_4$(2.6)	y_8(4.2)

[–] Main Sequence Ions

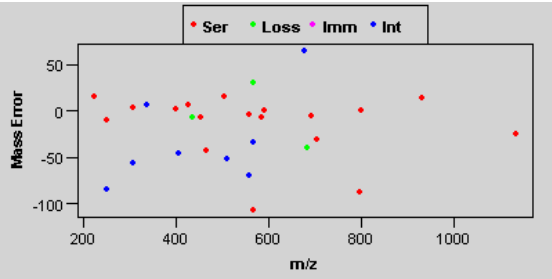
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1227.5423	614.2748
308.1241	3	G	10	1064.4789	532.7431
422.1670	4	N	9	1007.4575	504.2324
569.2024	5	M(Oxidation)	8	893.4145	447.2109
640.2395	6	A	7	746.3791	373.6932
697.2610	7	G	6	675.3420	338.1747
810.3451	8	I	5	618.3206	309.6639
897.3771	9	S	4	505.2365	253.1219
1012.4040	10	D	3	418.2045	209.6059
1140.4626	11	Q	2	303.1775	152.0924
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGFMPLSTQVR^{+2}



Max Intensity: **4.11**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **86.9%** Matched Series Intensity: **83.7%**



Sequence: SYGFMPLSTQVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C62 H97 N16 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1386.6224	1385.6882	693.8149	693.3477

[–] **Peak Matches**

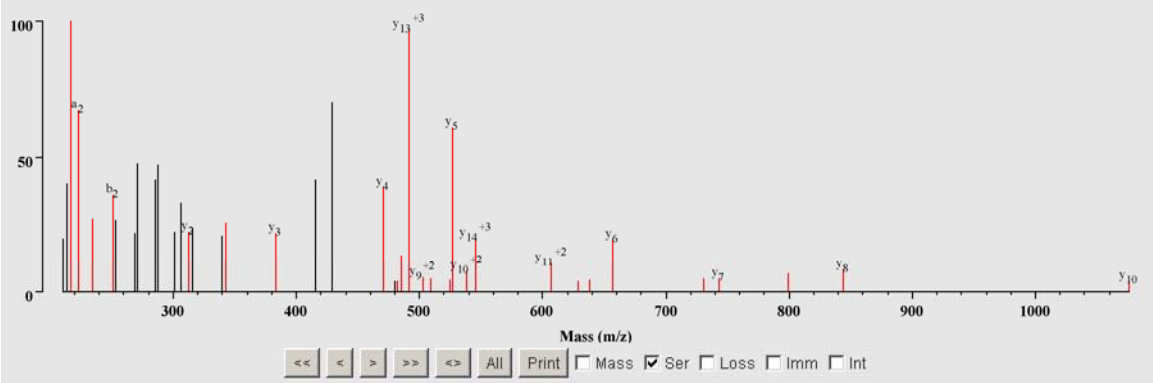
223.1113	251.1002	291.1231	308.1254	320.1480	336.1399	338.1173	367.1608	380.1562	400.7357
a_2(16)	b_2(-9.7) FM-28(-84)		b_3(4.2) GFM-28(-56)		GFM(6.7)				y_7^{+2}(2.1)
405.1773	**419.1912**	**423.1883**	**427.2005**	**437.1792**	**455.1896**	**462.2331**	**466.2357**	**466.7549**	**476.2178**
GFMP-28(-45)			a_4(6.8)	b_4-H_2O(-6.3)	b_4(-6.4)		y_8^{+2}(-42)		
493.2170	**503.3018**	**510.2299**	**541.2283**	**558.2357**	**568.2393**	**586.2286**	**590.3258**	**675.3483**	**677.3764**
	y_4(16)	PLSTQ-NH_3(-51)		a_5(-4.3) FMPLS-H_2O(-69)	b_5-H_2O(30) YGFMP-28(-34) y_{10}^{+2}(-107)	b_5(-7.5)	y_5(0.25)		FMPLST(65)
684.3153	**690.4638**	**691.3792**	**693.3440**	**703.3877**	**796.2998**	**800.4633**	**896.3445**	**931.5162**	**1135.5661**
MH-H_2O^{+2}(-40)			MH^{+2}(-5.4)	y_6(-31)	YGFMPLS(-88) b_7(-88)	y_7(1.0)		y_8(14)	y_{10}(-24)

[–] **Main Sequence Ions**

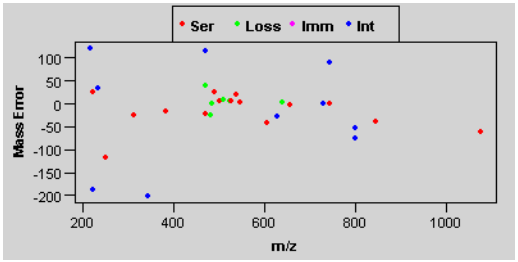
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1298.6562	649.8317
308.1241	3	G	10	1135.5928	568.3001
455.1925	4	F	9	1078.5714	539.7893
586.2330	5	M	8	931.5030	466.2551
683.2858	6	P	7	800.4625	400.7349
796.3698	7	L	6	703.4097	352.2085
883.4019	8	S	5	590.3257	295.6665
984.4495	9	T	4	503.2936	252.1504
1112.5081	10	Q	3	402.2459	201.6266
1211.5765	11	V	2	274.1874	137.5973
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)LHAC(Carbamidomethyl)TSEGSAHR^{+4}



Max Intensity: **4.86**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **57.6%** Matched Series Intensity: **57.6%**



Sequence: SYM(Oxidation)LHAC(Carbamidomethyl)TSEGSAHR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H108 N23 O25 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1723.5679	1722.7323	862.2877	861.8698	575.1943	574.9156	431.6476	431.4385

[–] Peak Matches

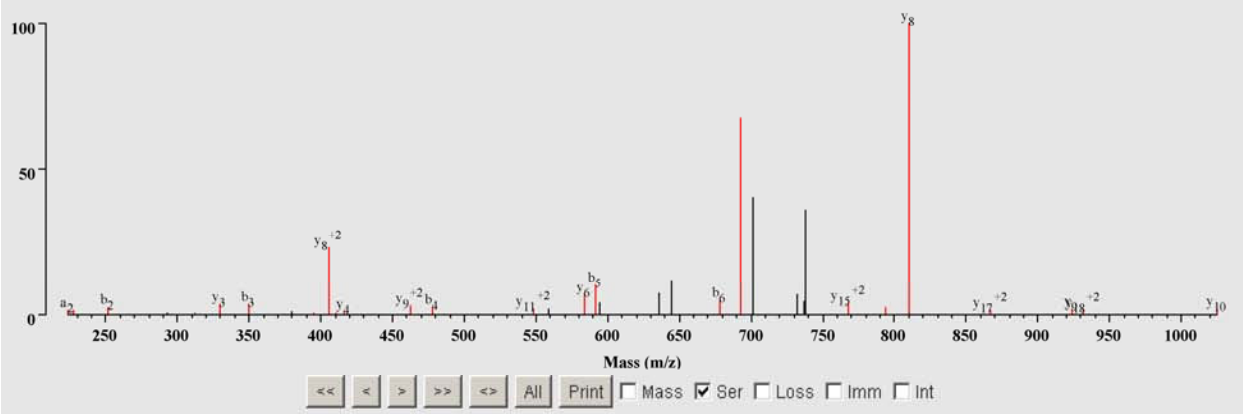
210.1193	214.0171	217.1082	223.1131	234.0986	251.0733	253.0145	269.0180	271.0350	286.0057
		SE(121)	a_2(24) LH-28(-189)	C(Carbamidomethyl)T-28(34)	b_2(-117)				
288.0291	**301.0804**	**306.0493**	**312.1697**	**316.0710**	**340.0123**	**343.0554**	**383.2089**	**415.2050**	**429.2221**
			y_2(-26)			SEGS-H_2O(-202)	y_3(-16)		
470.2364	**479.5643**	**481.6846**	**485.5473**	**491.5632**	**502.7169**	**509.2628**	**524.5757**	**527.2712**	**538.2431**
HAC(Carbamidomethyl)T(116) y_{13}-$SOCH_4^{+3}$(40) y_4(-23)		b_8-H_2O^{+2}(-25)	y_{13}-H_2O^{+3}(0.69)	y_{13}^{+3}(26)	y_9^{+2}(5.1)	y_5-H_2O(9.6)	y_{14}-$SOCH_4^{+3}$(6.7)	y_5(5.2)	y_{10}^{+2}(19)
545.9064	**606.7360**	**629.2353**	**638.3029**	**656.3101**	**730.3015**	**743.3435**	**799.2802**	**844.3576**	**1075.3928**
y_{14}^{+3}(2.7)	y_{11}^{+2}(-43)	M(Oxidation)LHAC (Carbamidomethyl)(-29)	y_6-H_2O(3.8)	y_6(-1.5)	M(Oxidation)LHAC (Carbamidomethyl)T(0.56)	HAC(Carbamidomethyl) TSEG(89) y_7(0.55)	M(Oxidation)LHAC (Carbamidomethyl)TS-H_2O(-53) LHAC(Carbamidomethyl)TSE(-75)	y_8(-39)	y_{10}(-61)

[–] Main Sequence Ions

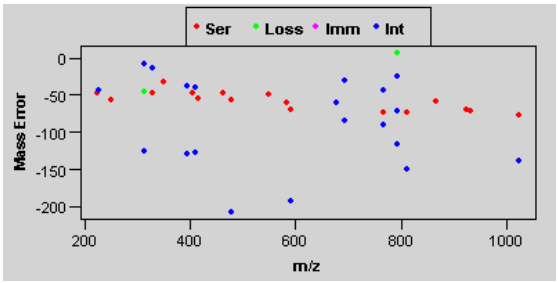
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1635.7002	818.3538
398.1380	---	3	**M(Oxidation)**	13	1472.6369	736.8221
511.2221	---	4	**L**	12	1325.6015	663.3044
648.2810	324.6441	5	**H**	11	1212.5174	606.7624
719.3181	360.1627	6	**A**	10	1075.4585	538.2329
879.3488	440.1780	7	**C(Carbamidomethyl)**	9	1004.4214	502.7143
980.3964	490.7019	8	**T**	8	844.3908	422.6990
1067.4285	534.2179	9	**S**	7	743.3431	372.1752
1196.4711	598.7392	10	**E**	6	656.3111	328.6592
1253.4925	627.2499	11	**G**	5	527.2685	264.1379
1340.5246	670.7659	12	**S**	4	470.2470	235.6271
1411.5617	706.2845	13	**A**	3	383.2150	192.1111
1548.6206	774.8139	14	**H**	2	312.1779	156.5926
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVQLSPDLLATLPEPASPGR^{+3}



Max Intensity: **181**
Num Matched: **24/34 (29.4% unmatched)** Matched Intensity: **68.7%** Matched Series Intensity: **68.7%**



Sequence: SYVQLSPDLLATLPEPASPGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C99 H160 N25 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2212.5232	2211.1656	1106.7653	1106.0864	738.1794	737.7267

[–] Peak Matches

223.0971	227.0926	251.0884	293.1553	312.1527	329.1778	350.1598	379.1968	395.1774	405.6896
a_2(-48)	PE(-44) EP(-44)	b_2(-57)		QLS-NH_3(-8.6) y_3-NH_3(-45) TLP(-125) LPE-28(-125)	QLS(-13) y_3(-47)	b_3(-32)		LSPD-H_2O(-38) SPDL-H_2O(-38) PEPA(-38) DLLA-H_2O(-130)	y_8^{+2}(-47)
410.1873	**416.2027**	**462.2292**	**478.2028**	**548.2665**	**558.7735**	**584.2792**	**591.2725**	**594.2887**	**635.8044**
PASPG(-39) VQLS-H_2O(-128)	y_4(-54)	y_9^{+2}(-47)	b_4(-56) LATLP-H_2O(-208)	y_{11}^{+2}(-49)		y_6(-61)	ATLPEP-H_2O(-70) TLPEPA-H_2O(-70) YVQLS(-70) b_5(-70) LLATLP-H_2O(-193)		
644.8014	**678.3049**	**692.3398**	**701.3410**	**731.6800**	**737.3767**	**737.6851**	**767.3601**	**793.3894**	**810.3503**
	b_6(-60) TLPEPAS-H_2O(-60)	LPEPASP(-31) LSPDLLA-H_2O(-84)					ATLPEPAS(-43) y_{15}^{+2}(-74) QLSPDLL(-91)	y_8-NH_3(6.9) TLPEPASP(-25) SPDLLATL-H_2O(-71) LATLPEPA(-71) LSPDLLAT-H_2O(-71) PDLLATLP-28(-116)	y_8(-74) QLSPDLLA-28(-150)
867.4247	**923.4307**	**931.4371**	**1024.4620**						
y_{17}^{+2}(-58)	y_9(-69)	y_{18}^{+2}(-72)	y_{10}(-78) QLSPDLLATL-28(-138)						

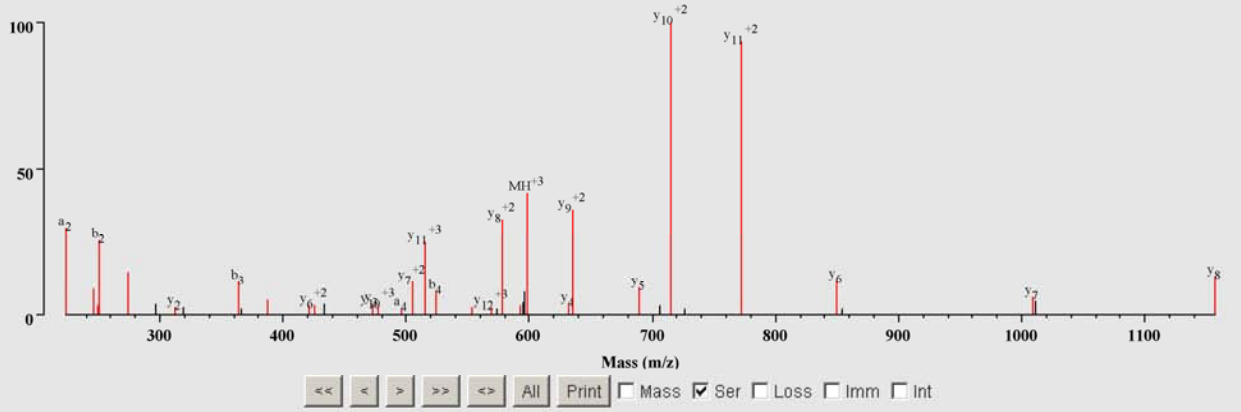
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	21 ---	---
251.1026	2	Y	20 2124.1335	1062.5704
350.1710	3	V	19 1961.0702	981.0387
478.2296	4	Q	18 1862.0018	931.5045
591.3137	5	L	17 1733.9432	867.4753
678.3457	6	S	16 1620.8592	810.9332
775.3985	7	P	15 1533.8271	767.4172
890.4254	8	D	14 1436.7744	718.8908
1003.5095	9	L	13 1321.7474	661.3774
1116.5936	10	L	12 1208.6634	604.8353

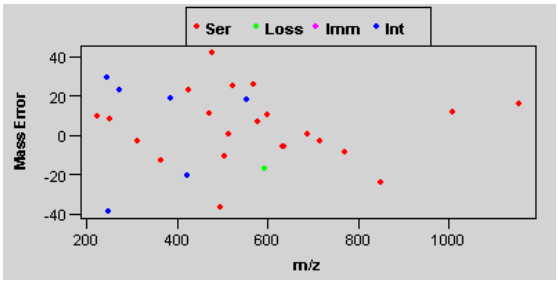
1187.6307	11	**A**	11	1095.5793	548.2933
1288.6783	12	**T**	10	1024.5422	512.7747
1401.7624	13	**L**	9	923.4945	462.2509
1498.8152	14	**P**	8	810.4104	405.7089
1627.8578	15	**E**	7	713.3577	357.1825
1724.9105	16	**P**	6	584.3151	292.6612
1795.9476	17	**A**	5	487.2623	244.1348
1882.9797	18	**S**	4	416.2252	208.6162
1980.0324	19	**P**	3	329.1932	165.1002
2037.0539	20	**G**	2	232.1404	116.5738
---	21	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYIC(Carbamidomethyl)IFC(Carbamidomethyl)C(Carbamidomethyl)GC(Carbamidomethyl)C(Carbamidomethyl)HR^{+3}



Max Intensity: **10.5**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **93.2%** Matched Series Intensity: **92.6%**



Sequence: SYIC(Carbamidomethyl)IFC(Carbamidomethyl)C(Carbamidomethyl)GC(Carbamido
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H110 N23 O21 S5

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1793.3136	1792.6845	897.1605	896.8459	598.4428	598.2330

[–] **Peak Matches**

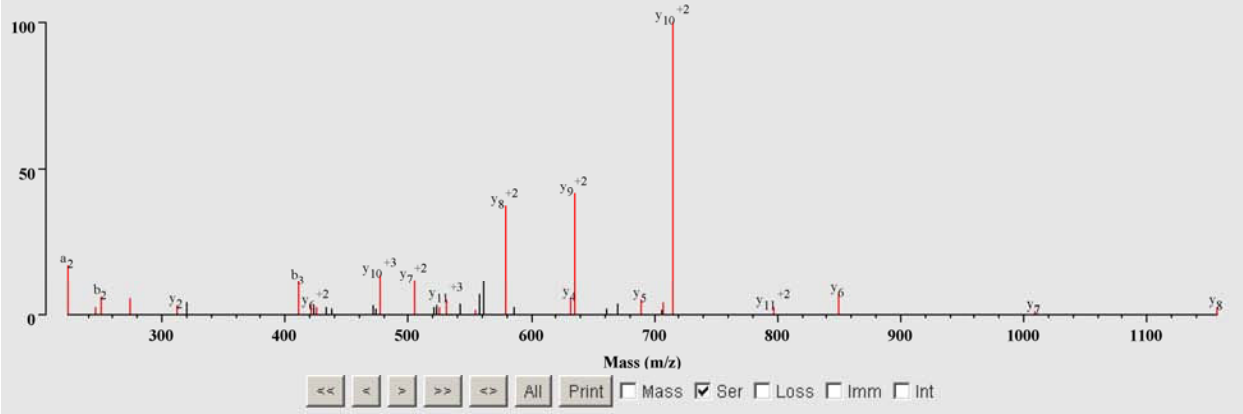
223.1099	246.1342	249.1500	251.1047	274.1284	296.1992	312.1770	319.1616	364.1820	366.2040
a_2(9.8)	IC(Carbamidomethyl)-28(29) C(Carbamidomethyl)I-28(29)	YI-28(-39)	b_2(8.2)	IC(Carbamidomethyl)(23) C(Carbamidomethyl)I(23)		y_2(-2.8)		b_3(-13)	
387.2133	**421.1816**	**425.1589**	**433.2030**	**472.2135**	**477.1931**	**496.2039**	**505.1592**	**514.8680**	**524.2304**
IC(Carbamidomethyl)I(19)	C(Carbamidomethyl)IF(-21) IFC(Carbamidomethyl)(-21)	y_6^{+2}(23)		y_3(11)	y_{10}^{+3}(42)	a_4(-37)	y_7^{+2}(-11)	y_{11}^{+3}(0.19)	b_4(25)
553.2361	**569.2369**	**573.2404**	**578.7028**	**592.2197**	**595.3745**	**596.3424**	**598.2390**	**632.2354**	**635.2372**
IFC(Carbamidomethyl)C(Carbamidomethyl)-28(18) C(Carbamidomethyl)IFC(Carbamidomethyl)-28(18)	y_{12}^{+3}(26)		y_8^{+2}(6.9)	MH-H_2O^{+3}(-17)			MH^{+3}(10)	y_4(-5.9)	y_9^{+2}(-5.7)
689.2608	**706.2520**	**715.2541**	**726.2707**	**771.7913**	**849.2712**	**853.8141**	**1009.3338**	**1011.2921**	**1156.4093**
y_5(0.22)		y_{10}^{+2}(-2.9)		y_{11}^{+2}(-8.9)	y_6(-24)		y_7(12)		y_8(16)

[–] **Main Sequence Ions**

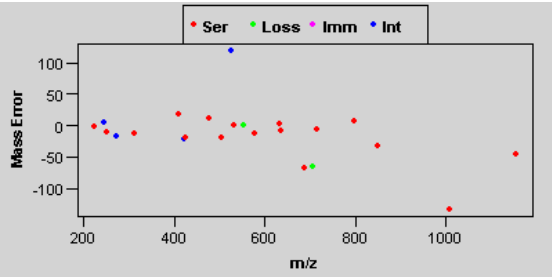
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1705.6524	853.3299
364.1867	---	3	**I**	11	1542.5891	771.7982
524.2173	---	4	**C(Carbamidomethyl)**	10	1429.5050	715.2562
637.3014	---	5	**I**	9	1269.4744	635.2408
784.3698	---	6	**F**	8	1156.3903	578.6988
944.4005	---	7	**C(Carbamidomethyl)**	7	1009.3219	505.1646
1104.4311	---	8	**C(Carbamidomethyl)**	6	849.2913	425.1493
1161.4526	---	9	**G**	5	689.2606	345.1340
1321.4832	---	10	**C(Carbamidomethyl)**	4	632.2392	316.6232
1481.5139	---	11	**C(Carbamidomethyl)**	3	472.2085	236.6079
1618.5728	809.7900	12	**H**	2	312.1779	156.5926
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)IFC(Carbamidomethyl)C(Carbamidomethyl)GC(Carbamidomethyl)C(Carbamidomethyl)HR^{+3}



Max Intensity: **10.2**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **83.8%** Matched Series Intensity: **83.7%**



Sequence SYC(Carbamidomethyl)IFC(Carbamidomethyl)C(Carbamidomethyl)GC(Carbamidoı
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H99 N22 O20 S5

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1680.1531	1679.6004	840.5803	840.3038	560.7226	560.5383

[–] **Peak Matches**

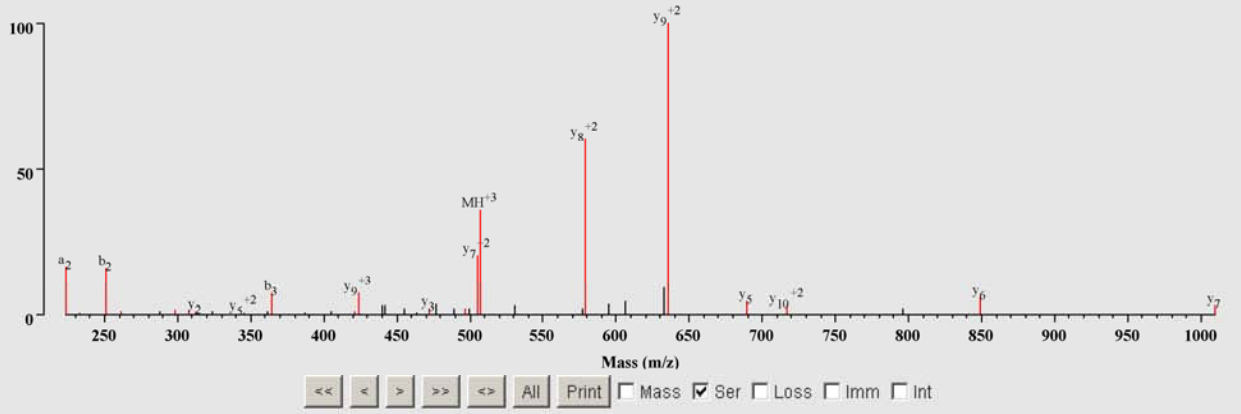
223.1071	**246.1283**	**251.1002**	**274.1174**	**312.1737**	**320.1193**	**411.1407**	**421.1816**	**423.1669**	**425.1413**
a_2(-2.8)	C(Carbamidomethyl)I-28(5.0)	b_2(-9.7)	C(Carbamidomethyl)I(-17)	y_2(-13)		b_3(18)	C(Carbamidomethyl)IF(-21) IFC(Carbamidomethyl)(-21)		y_6^{+2}(-19)
433.2030	**438.1731**	**471.1838**	**474.2579**	**477.1786**	**505.1549**	**521.1581**	**523.2666**	**525.2211**	**531.5275**
				y_{10}^{+3}(11)	y_7^{+2}(-19)			FC(Carbamidomethyl)C(Carbamidomethyl)G(119)	y_{11}^{+3}(-0.27)
542.2702	**554.5346**	**557.8155**	**558.3118**	**561.2786**	**578.6914**	**585.8208**	**632.2401**	**635.2348**	**660.8283**
	MH-H_2O^{+3}(-0.36)				y_8^{+2}(-13)		y_4(1.5)	y_9^{+2}(-9.5)	
669.7477	**689.2135**	**706.2495**	**706.6972**	**714.8745**	**715.2516**	**796.7939**	**849.2630**	**1009.1865**	**1156.3385**
	y_5(-68)		y_{10}-NH_3^{+2}(-65)		y_{10}^{+2}(-6.4)	y_{11}^{+2}(7.6)	y_6(-33)	y_7(-134)	y_8(-45)

[–] **Main Sequence Ions**

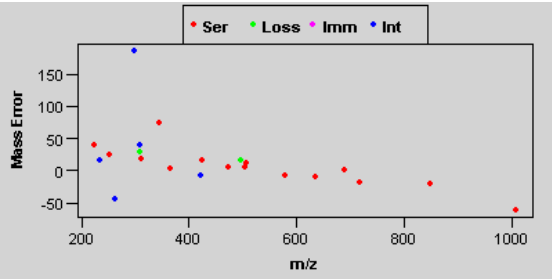
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1592.5684	796.7878
411.1333	---	3	**C(Carbamidomethyl)**	10	1429.5050	715.2562
524.2173	---	4	**I**	9	1269.4744	635.2408
671.2858	---	5	**F**	8	1156.3903	578.6988
831.3164	---	6	**C(Carbamidomethyl)**	7	1009.3219	505.1646
991.3471	---	7	**C(Carbamidomethyl)**	6	849.2913	425.1493
1048.3685	---	8	**G**	5	689.2606	345.1340
1208.3992	---	9	**C(Carbamidomethyl)**	4	632.2392	316.6232
1368.4298	---	10	**C(Carbamidomethyl)**	3	472.2085	236.6079
1505.4887	753.2480	11	**H**	2	312.1779	156.5926
---	---	12	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYIFC(Carbamidomethyl)C(Carbamidomethyl)GC(Carbamidomethyl)C(Carbamidomethyl)HR^{+3}



Max Intensity: **47.7**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **85.7%** Matched Series Intensity: **84.0%**



Sequence: SYIFC(Carbamidomethyl)C(Carbamidomethyl)GC(Carbamidomethyl)C(Carbamido
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C61 H91 N20 O18 S4

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1520.1224	1519.5698	760.5649	760.2885	507.3791	507.1948

[–] Peak Matches

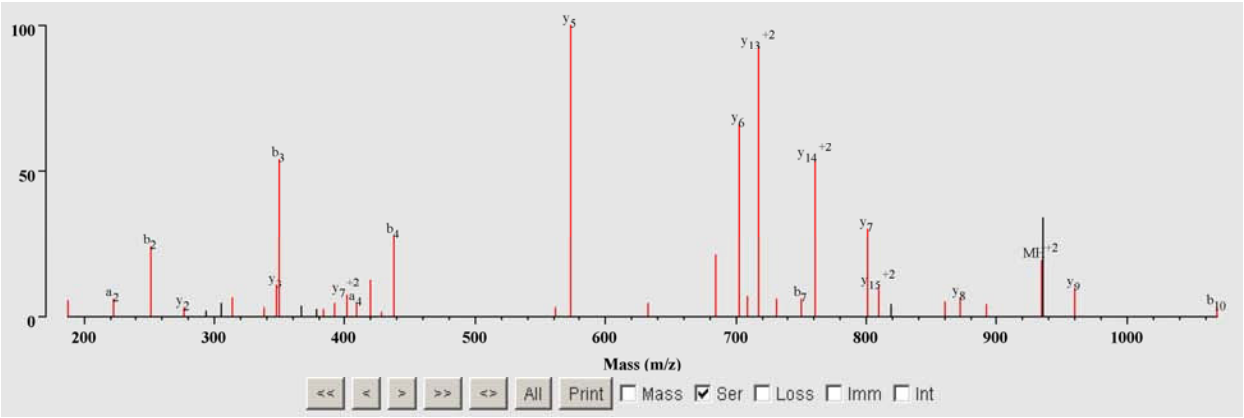
223.1164	**233.1686**	**251.1088**	**261.1479**	**288.1235**	**298.1524**	**308.1186**	**312.1834**	**324.1677**	**345.1594**
a_2(39)	IF-28(16)	b_2(25)	IF(-45)		C(Carbamidomethyl)H(186)	FC(Carbamidomethyl)(40) y_4-NH$_3^{+2}$(28)	y_2(18)		y_5^{+2}(74)
361.2071	**364.1880**	**387.1886**	**405.1835**	**421.1871**	**423.8364**	**439.7243**	**442.2800**	**455.0018**	**463.1915**
	b_3(3.6)			IFC(Carbamidomethyl)(-7.8)	y_9^{+3}(16)				
472.2106	**476.7269**	**489.2530**	**496.6593**	**499.5782**	**505.1672**	**507.2005**	**530.9478**	**576.7288**	**578.6940**
y_3(4.4)			y_7-NH$_3^{+2}$(16)		y_7^{+2}(5.1)	MH^{+3}(11)			y_8^{+2}(-8.3)
595.3048	**605.9965**	**606.3134**	**632.8138**	**635.2347**	**689.2604**	**716.7592**	**795.8881**	**849.2736**	**1009.2591**
				y_9^{+2}(-9.7)	y_5(-0.33)	y_{10}^{+2}(-19)		y_6(-21)	y_7(-62)

[–] Main Sequence Ions

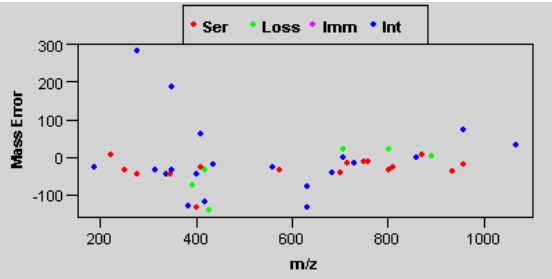
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1432.5377	716.7725
364.1867	---	3	**I**	9	1269.4744	635.2408
511.2551	---	4	**F**	8	1156.3903	578.6988
671.2858	---	5	**C(Carbamidomethyl)**	7	1009.3219	505.1646
831.3164	---	6	**C(Carbamidomethyl)**	6	849.2913	425.1493
888.3379	---	7	**G**	5	689.2606	345.1340
1048.3685	---	8	**C(Carbamidomethyl)**	4	632.2392	316.6232
1208.3992	---	9	**C(Carbamidomethyl)**	3	472.2085	236.6079
1345.4581	673.2327	10	**H**	2	312.1779	156.5926
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVSPTDC(Carbamidomethyl)SAVEPEAEK^{+2}



Max Intensity: **2.56**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **92.5%** Matched Series Intensity: **92.3%**



Sequence: SYVSPTDC(Carbamidomethyl)SAVEPEAEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H122 N19 O32 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1869.8457	1868.8219	935.4265	934.9146

[–] Peak Matches

187.1022	223.1088	251.0943	276.1431	293.0899	305.1474	314.1244	338.1189	347.1769	349.1832
VS(-29)	a_2(4.8)	b_2(-33)	DC(Carbamidomethyl)(283) y_2(-45)			PTD(-33)	EPE-H_2O(-47)	y_3(-45)	TDC(Carbamidomethyl)-28(188)
350.1585	**366.1482**	**378.1607**	**383.1060**	**392.1682**	**401.1487**	**409.1963**	**419.1783**	**428.1477**	**437.1944**
b_3(-36) YVS(-36)			SPTD-H_2O(-131)	y_7-H_2O^{+2}(-75)	SPTD(-45) y_7^{+2}(-136)	PEAE-H_2O(60) EPEA-H_2O(60) a_4(-29)	b_4-H_2O(-34) YVSP-28(-121)	y_8-NH_3^{+2}(-142)	b_4(-20) VEPE-H_2O(-20)
561.1828	**573.2677**	**632.1848**	**684.2903**	**702.3012**	**708.3190**	**716.8059**	**731.2899**	**750.3199**	**760.3219**
PTDC(Carbamidomethyl)S(-26) SPTDC(Carbamidomethyl)(-26)	y_5(-35)	PTDC(Carbamidomethyl)SA(-79) VSPTDC(Carbamidomethyl)-28(-136)	y_6-H_2O(-43) SAVEPEA(-43)	y_6(-42)	y_{13}-NH_3^{+2}(22) AVEPEAE-H_2O(-1.3)	y_{13}^{+2}(-15)	PTDC(Carbamidomethyl)SAV(-18) DC(Carbamidomethyl)SAVEP-28(-18)	b_7(-14)	y_{14}^{+2}(-14)
801.3699	**809.8431**	**819.3333**	**860.3435**	**872.4403**	**892.3520**	**934.8770**	**935.3923**	**959.4476**	**1068.4652**
y_{15}-NH_3^{+2}(20) y_7(-36)	y_{15}^{+2}(-29)		DC(Carbamidomethyl)SAVEPE-28(-2.3) TDC(Carbamidomethyl)SAVEP(-2.3) PTDC(Carbamidomethyl)SAVE(-2.3)	y_8(4.9)	YVSPTDC(Carbamidomethyl)S-H_2O(1.6) b_8-H_2O(1.6)	MH^{+2}(-40)		DC(Carbamidomethyl)SAVEPEA(73) y_9(-21)	b_{10}(33) PTDC(Carbamidomethyl)SAVEPE-H_2O(33)

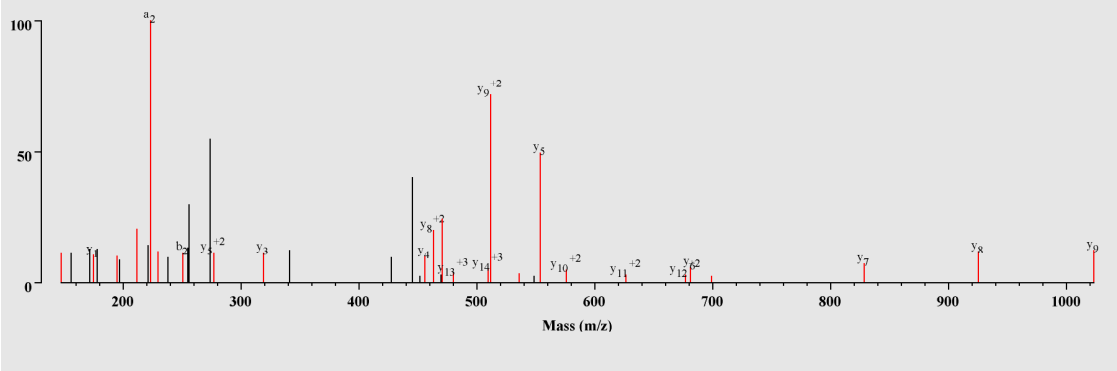
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	17	---	---
251.1026	2	Y	16	1781.7898	891.3985
350.1710	3	V	15	1618.7265	809.8669
437.2031	4	S	14	1519.6581	760.3327
534.2558	5	P	13	1432.6261	716.8167
635.3035	6	T	12	1335.5733	668.2903
750.3305	7	D	11	1234.5256	617.7664
910.3611	8	C(Carbamidomethyl)	10	1119.4987	560.2530
997.3931	9	S	9	959.4680	480.2376
1068.4303	10	A	8	872.4360	436.7216

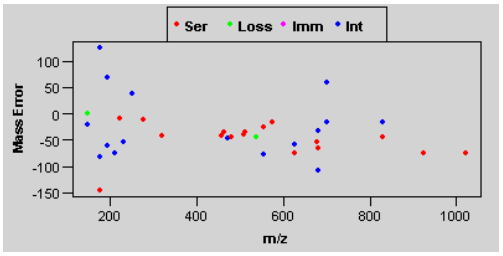
1167.4987	11	**V**	7	801.3989	401.2031
1296.5413	12	**E**	6	702.3305	351.6689
1393.5940	13	**P**	5	573.2879	287.1476
1522.6366	14	**E**	4	476.2351	238.6212
1593.6737	15	**A**	3	347.1925	174.0999
1722.7163	16	**E**	2	276.1554	138.5813
---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSTTKPPFKPHGSR^{+4}



Max Intensity: **11.6**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **64.7%** Matched Series Intensity: **65.3%**



Sequence SYSSTTKPPFKPHGSR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C79 H122 N23 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1777.9896	1776.9028	889.4985	888.9550	593.3348	592.9724	445.2530	444.9811

[–] **Peak Matches**

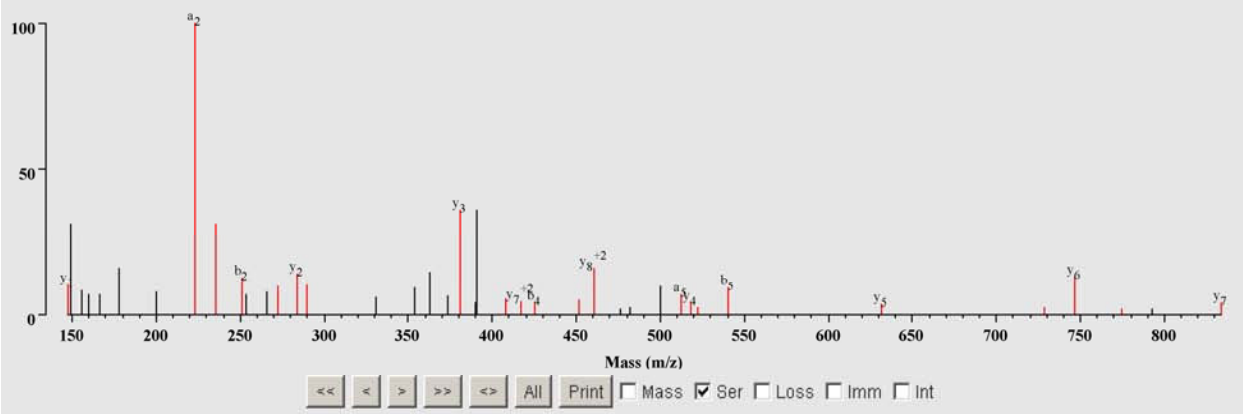
147.0733	156.0979	172.1305	175.0933	178.0814	195.1011	197.1142	212.1235	221.1085	223.1057
y_4-NH_3^{+3}(1.2) SS-28(-21)			SS(125) TT-28(-82) y_1(-146)		HG(69) PP(-60)		TK-H_2O(-75)		YS-28(-8.9) a_2(-8.9)
230.1376	**238.1294**	**251.1119**	**255.1401**	**256.1251**	**274.1546**	**277.1426**	**319.1590**	**341.0659**	**427.2376**
TK(-54)		b_2(37) YS(37)				y_5^{+2}(-11)	y_3(-42)		
445.2539	**451.8844**	**456.2120**	**463.2369**	**469.2427**	**470.2539**	**480.5753**	**509.5873**	**511.7623**	**536.2341**
		y_4(-42)	y_8^{+2}(-36)		PFKP(-47) PPFK(-47) KPPF(-47)	y_{13}^{+3}(-44)	y_{14}^{+3}(-39)	y_9^{+2}(-35)	y_5-NH_3(-44)
548.2554	**553.2701**	**575.8185**	**626.3044**	**676.8392**	**681.3351**	**699.4074**	**828.4110**	**925.4305**	**1022.4759**
	y_5(-25) TKPPF-H_2O(-78)	y_{10}^{+2}(-16)	FKPHGS-28(-58) y_{11}^{+2}(-75)	y_{12}^{+2}(-53)	SSTTKPP-H_2O(-32) y_6(-65) TKPPFK-H_2O(-107)	SSTTKPP(58) TKPPFK(-16)	SSTTKPPF-H_2O(-17) y_7(-44)	y_8(-75)	y_9(-75)

[–] **Main Sequence Ions**

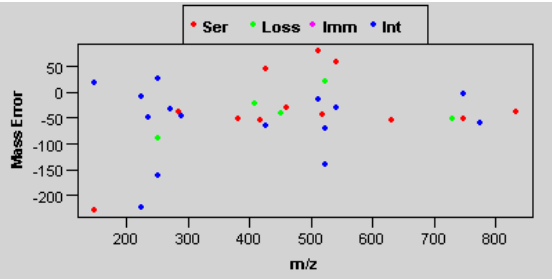
b	b^{+2}			y	y^{+2}
---	---	1	**S** 16	---	---
251.1026	---	2	**Y** 15	1689.8707	845.4390
338.1347	---	3	**S** 14	1526.8074	763.9073
425.1667	---	4	**S** 13	1439.7754	720.3913
526.2144	---	5	**T** 12	1352.7433	676.8753
627.2620	---	6	**T** 11	1251.6957	626.3515
755.3570	378.1821	7	**K** 10	1150.6480	575.8276
852.4098	426.7085	8	**P** 9	1022.5530	511.7802
949.4625	475.2349	9	**P** 8	925.5003	463.2538
1096.5310	548.7691	10	**F** 7	828.4475	414.7274
1224.6259	612.8166	11	**K** 6	681.3791	341.1932
1321.6787	661.3430	12	**P** 5	553.2841	277.1457
1458.7376	729.8724	13	**H** 4	456.2314	228.6193
1515.7591	758.3832	14	**G** 3	319.1724	160.0899
1602.7911	801.8992	15	**S** 2	262.1510	131.5791
---	---	16	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSDLHPHK^{+3}



Max Intensity: **18.8**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **62.7%** Matched Series Intensity: **69.6%**



Sequence: SYSSDLHPHK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H76 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1171.2623	1170.5538	586.1349	585.7805	391.0924	390.8561

[–] Peak Matches

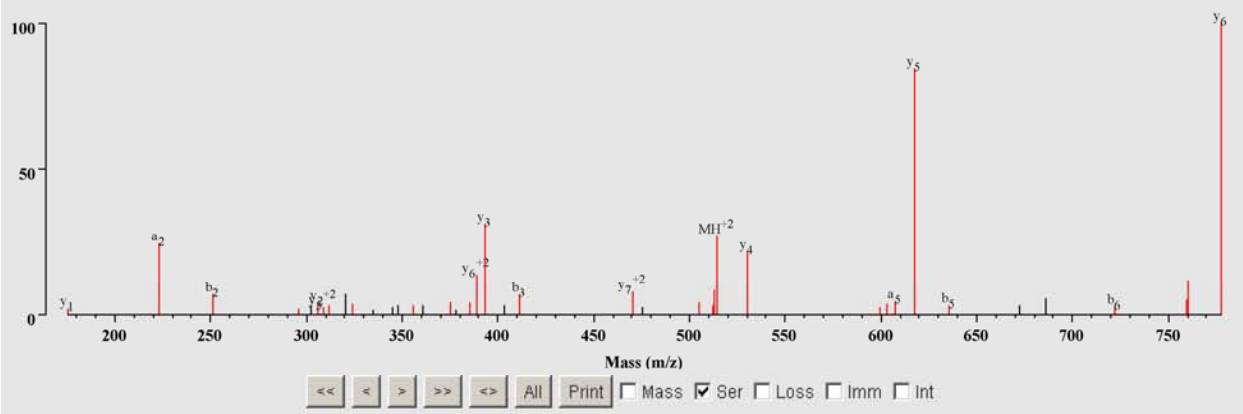
147.0791	149.0228	156.0920	160.0721	166.0636	178.0839	200.1232	223.1056	235.1073	251.1094
SS-28(18) y_1(-229)							a_2(-9.5) YS-28(-9.5) LH-28(-223)	HP(-50) PH(-50)	b_2(27) YS(27) y_4-NH_3^{+2}(-90) LH(-163)
253.1275	**266.1587**	**272.0784**	**284.1610**	**290.0847**	**331.1347**	**354.1485**	**363.2032**	**373.1725**	**381.2045**
		SSD-H_2O(-34)	y_2(-38)	SSD(-47)					y_3(-52)
390.1983	**391.1691**	**408.2020**	**417.1938**	**425.1861**	**451.7094**	**460.7186**	**476.2057**	**482.2344**	**500.2539**
		y_7-H_2O^{+2}(-23)	y_7^{+2}(-55)	YSSD-28(46) b_4(46) SDLH-28(-66)	y_8-H_2O^{+2}(-40)	y_8^{+2}(-31)			
512.2398	**518.2612**	**522.1941**	**540.2256**	**631.3331**	**728.3457**	**746.3547**	**774.3072**	**792.3448**	**833.3950**
a_5(80) SSDLH-28(-13)	y_4(-43)	b_5-H_2O(21) SSDLH-H_2O(-70) SDLHP-28(-140)	b_5(59) SSDLH(-29)	y_5(-54)	y_6-H_2O(-52)	SSDLHPH-28(-4.4) y_6(-53)	SSDLHPH(-59)		y_7(-38)

[–] Main Sequence Ions

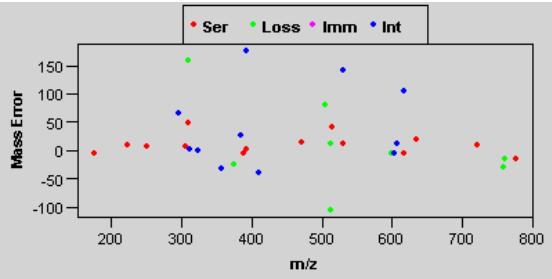
b	b^{+2}			y	y^{+2}
---	---	1	S 10	---	---
251.1026	---	2	Y 9	1083.5218	542.2645
338.1347	---	3	S 8	920.4585	460.7329
425.1667	---	4	S 7	833.4264	417.2169
540.1936	---	5	D 6	746.3944	373.7008
653.2777	---	6	L 5	631.3675	316.1874
790.3366	395.6719	7	H 4	518.2834	259.6453
887.3894	444.1983	8	P 3	381.2245	191.1159
1024.4483	512.7278	9	H 2	284.1717	142.5895
---	---	10	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)SHSMR^{+2}



Max Intensity: **10.4**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **91.6%** Matched Series Intensity: **91.0%**



Sequence SYC(Carbamidomethyl)SHSMR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C40 H63 N14 O14 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1027.9951	1027.4084	514.5013	514.2078

[–] Peak Matches

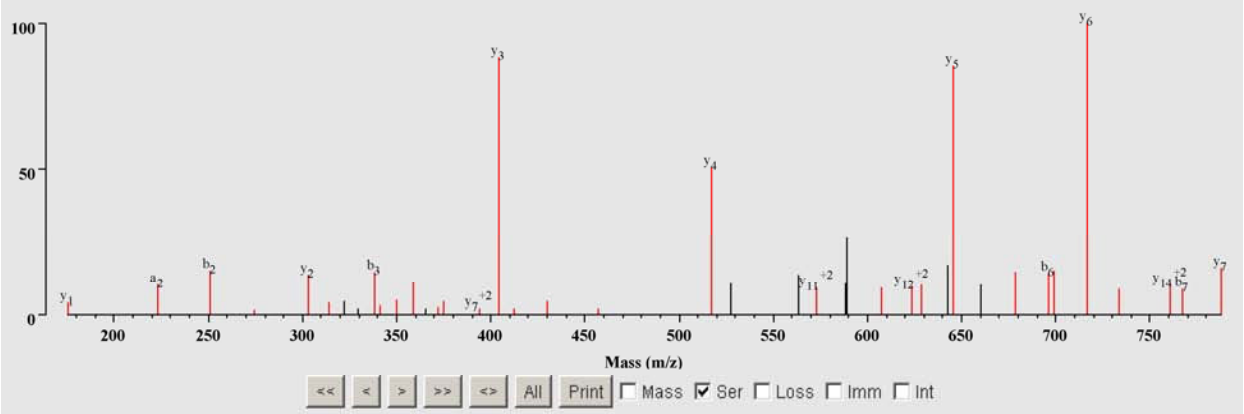
175.1181	223.1096	251.1042	296.1258	302.1271	306.1613	309.1597	312.1308	320.1160	324.1012
y_1(-4.9)	a_2(8.4)	b_2(6.2)	YC(Carbamidomethyl)-28(66)		y_2(6.1)	b_5-H_2O^{+2}(159) y_5^{+2}(48)	SHS(1.8)		YC(Carbamidomethyl)(-0.16)
335.1713	**345.1829**	**348.1454**	**356.1273**	**361.0887**	**375.1716**	**378.0738**	**385.1388**	**389.1578**	**393.1920**
			HSM(-32)		y_3-H_2O(-25)		C(Carbamidomethyl)SH(26)	y_6^{+2}(-6.1)	b_3-H_2O(176) YC(Carbamidomethyl)S-H_2O(176) y_3(1.4)
403.2250	**411.1168**	**470.6991**	**475.2566**	**505.2431**	**512.1855**	**513.2293**	**514.2290**	**530.2567**	**599.2689**
	b_3(-40) YC(Carbamidomethyl)S(-40)	y_7^{+2}(15)		MH-H_2O^{+2}(80)	y_4-H_2O(-106)	y_4-NH_3(11)	MH^{+2}(41)	YC(Carbamidomethyl)SH-H_2O(142) y_4(12)	y_5-H_2O(-4.9)
603.1981	**607.2358**	**617.2784**	**635.2372**	**672.2783**	**686.2926**	**722.2625**	**759.2788**	**760.2754**	**777.3023**
C(Carbamidomethyl)SHSM(-5.4)	a_5(11) YC(Carbamidomethyl)SHS-28(11)	b_5-H_2O(105) YC(Carbamidomethyl)SHS-H_2O(105) y_5(-6.5)	YC(Carbamidomethyl)SHS(20) b_5(20)			b_6(8.7)	y_6-H_2O(-31)	y_6-NH_3(-15)	y_6(-14)

[–] Main Sequence Ions

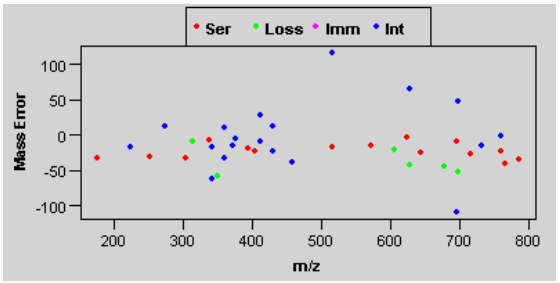
b	b^{+2}				y	y^{+2}
---	---	1	S	8	---	---
251.1026	---	2	Y	7	940.3764	470.6918
411.1333	---	3	C(Carbamidomethyl)	6	777.3131	389.1602
498.1653	---	4	S	5	617.2824	309.1448
635.2242	318.1157	5	H	4	530.2504	265.6288
722.2563	361.6318	6	S	3	393.1915	197.0994
853.2967	427.1520	7	M	2	306.1594	153.5834
---	---	8	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSWTAADTAAQITQR^{+3}



Max Intensity: **8.12**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **85.0%** Matched Series Intensity: **85.0%**



Sequence: SYSWTAADTAAQITQR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C76 H117 N22 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1770.9078	1769.8453	885.9576	885.4263	590.9742	590.6200

[–] Peak Matches

175.1131	223.1040	251.0952	274.1220	303.1677	314.1793	322.1361	329.1922	338.1324	341.1396
y_1(-33)	a_2(-17) YS-28(-17)	YS(-30) b_2(-30)	SW(12)	y_2(-32)	y_5-H_2O^{+2}(-9.5)			b_3(-6.7)	ADTA-H_2O(-17) AADT-H_2O(-17) DTAA-H_2O(-17) TAAD-H_2O(-17) WTA-H_2O(-62)
350.1722	**359.1596**	**365.0999**	**372.1819**	**375.1642**	**394.2174**	**404.2159**	**412.1941**	**430.1985**	**457.2596**
y_6-NH_3^{+2}(-59)	DTAA(9.7) ADTA(9.7) AADT(9.7) TAAD(9.7) WTA(-33)		TAAQ(-16)	SWT(-5.6)	y_7^{+2}(-18)	y_3(-23)	ADTAA-H_2O(28) AADTA-H_2O(28) WTAA-H_2O(-9.3)	AADTA(12) ADTAA(12) WTAA(-23)	AAQIT-28(-38) TAAQI-28(-38)
517.3003	**527.7357**	**563.2475**	**573.2904**	**588.2950**	**589.2780**	**607.2381**	**623.8214**	**628.3141**	**642.3374**
WTAAD-28(116) SWTAA(116) y_4(-17)			y_{11}^{+2}(-15)			b_5-H_2O(-21)	y_{12}^{+2}(-2.5)	WTAADT-H_2O(66) y_5-NH_3(-43)	
645.3515	**660.2538**	**678.2576**	**696.2919**	**699.3423**	**716.3857**	**733.3035**	**760.3611**	**767.3042**	**787.4156**
y_5(-25)		b_6-H_2O(-45)	b_6(-9.9) TAAQITQ-H_2O(-109)	WTAADTA-H_2O(47) y_6-NH_3(-52)	y_6(-27)	SWTAADT(-16)	WTAADTAA-28(-1.8) y_{14}^{+2}(-23)	YSWTAAD-28(-41) b_7(-41)	y_7(-34)

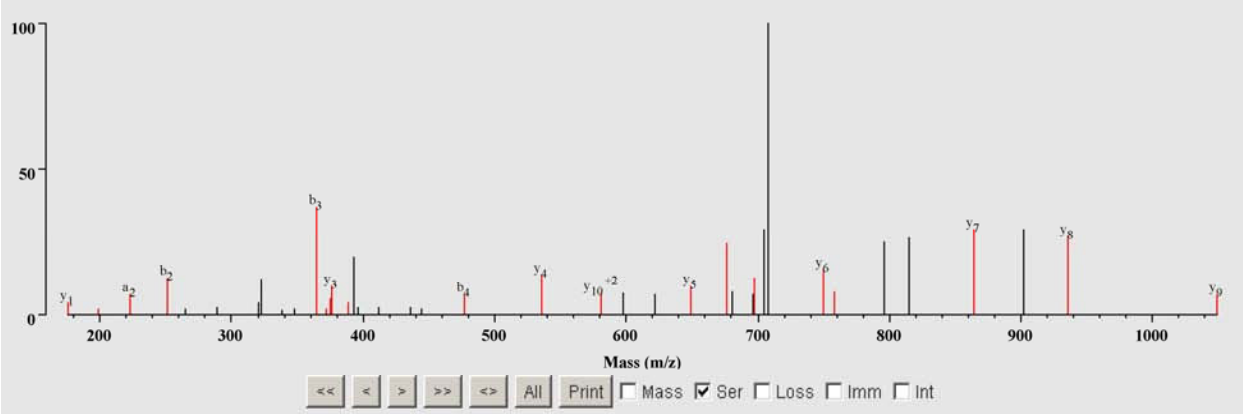
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	16	---	---
251.1026	2	Y	15	1682.8133	841.9103
338.1347	3	S	14	1519.7499	760.3786
524.2140	4	W	13	1432.7179	716.8626
625.2617	5	T	12	1246.6386	623.8229
696.2988	6	A	11	1145.5909	573.2991
767.3359	7	A	10	1074.5538	537.7805
882.3628	8	D	9	1003.5167	502.2620
983.4105	9	T	8	888.4898	444.7485
1054.4476	10	A	7	787.4421	394.2247
1125.4847	11	A	6	716.4050	358.7061
1253.5433	12	Q	5	645.3678	323.1876

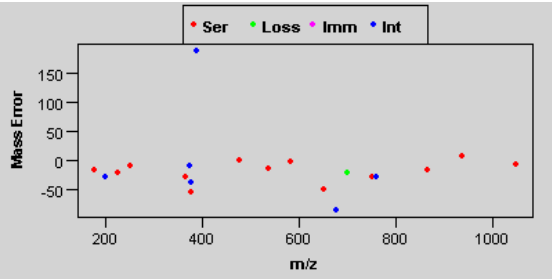
1366.6274	13	**I**	4	517.3093	259.1583
1467.6750	14	**T**	3	404.2252	202.6162
1595.7336	15	**Q**	2	303.1775	152.0924
---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLIANTLC(Carbamidomethyl)NSR^{+2}



Max Intensity: **5.53**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **45.4%** Matched Series Intensity: **44.1%**



Sequence: SYLIANTLC(Carbamidomethyl)NSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H99 N18 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1412.4520	1411.6998	706.7297	706.3536

[–] Peak Matches

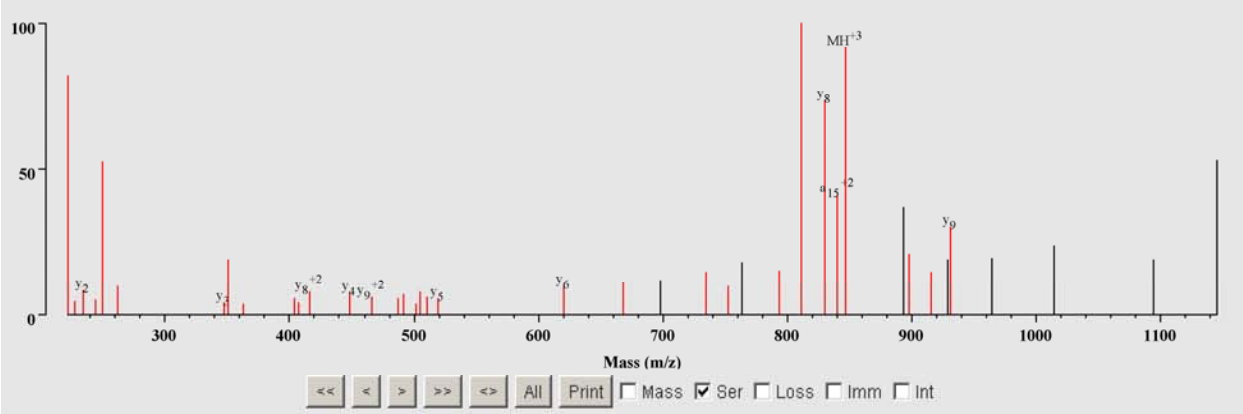
175.1162	**199.1749**	**223.1031**	**251.1003**	**265.0809**	**289.1591**	**320.1148**	**322.1332**	**338.1398**	**348.1246**
y_1(-16)	LI-28(-28)	a_2(-21)	b_2(-9.3)						
364.1767	**372.2206**	**375.1554**	**376.1736**	**388.2381**	**393.1792**	**396.1106**	**412.1137**	**436.2153**	**444.2862**
b_3(-27)	IANT-28(-9.5) ANTL-28(-9.5)	TLC(Carbamidomethyl)(-38)	y_3(-54)	LC(Carbamidomethyl)N(189)					
477.2707	**536.2171**	**581.3046**	**597.3009**	**622.3116**	**649.2766**	**676.3088**	**680.8332**	**696.3390**	**697.8259**
b_4(-0.13)	y_4(-14)	y_{10}^{+2}(-2.2)			y_5(-49)	YLIANT(-85)			MH-NH_3^{+2}(-21)
704.3420	**708.3089**	**750.3354**	**758.4022**	**796.3725**	**815.4365**	**864.3850**	**902.4547**	**935.4444**	**1048.5138**
		y_6(-28)	LIANTLC(Carbamidomethyl)-28(-27)			y_7(-16)		y_8(8.6)	y_9(-6.3)

[–] Main Sequence Ions

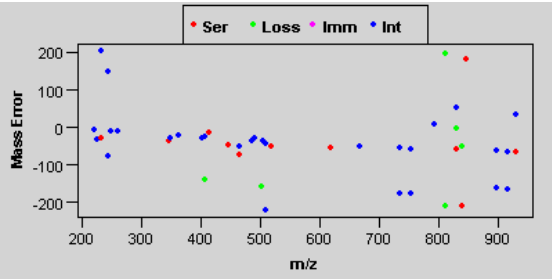
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1324.6678	662.8375
364.1867	3	L	10	1161.6045	581.3059
477.2708	4	I	9	1048.5204	524.7638
548.3079	5	A	8	935.4363	468.2218
662.3508	6	N	7	864.3992	432.7033
763.3985	7	T	6	750.3563	375.6818
876.4825	8	L	5	649.3086	325.1579
1036.5132	9	C(Carbamidomethyl)	4	536.2246	268.6159
1150.5561	10	N	3	376.1939	188.6006
1237.5881	11	S	2	262.1510	131.5791
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTFTC(Carbamidomethyl)TAAYPESKTPLTATLSK^{+3}



Max Intensity: **814**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **77.5%** Matched Series Intensity: **73.5%**



Sequence SYTFTC(Carbamidomethyl)TAAYPESKTPLTATLSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C113 H177 N26 O38 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2539.7164	2538.2432	1270.3619	1269.6253	847.2437	846.7526

[–] Peak Matches

221.1268	227.0952	234.1384	244.1108	249.1205	262.0826	347.2167	350.1607	363.1261	404.1476
TF-28(-7.5) FT-28(-7.5)	PE(-33)	TC(Carbamidomethyl)-28(204) C(Carbamidomethyl)T-28(204) y_2(-27)	TC(Carbamidomethyl)-H_2O(147) C(Carbamidomethyl)T-H_2O(147) TAA(-75)	TF(-12) FT(-12)	TC(Carbamidomethyl)(-11) C(Carbamidomethyl)T(-11)	y_3(-35)	TFT(-30)	TC(Carbamidomethyl)T(-20)	C(Carbamidomethyl)TAA(-30)
407.1820	**415.7473**	**448.2551**	**466.2420**	**487.1798**	**492.1764**	**502.2078**	**505.1898**	**510.1793**	**519.2870**
TAAY(-26) y_8-NH_3^{+2}(-141)	y_8^{+2}(-13)	y_4(-48)	PLTAT-H_2O(-51) TPLTA-H_2O(-51) y_9^{+2}(-74)	TC(Carbamidomethyl)TAA-H_2O(-35)	TFTC(Carbamidomethyl)-H_2O(-30) FTC(Carbamidomethyl)T-H_2O(-30)	y_5-NH_3(-158)	TC(Carbamidomethyl)TAA(-35)	TFTC(Carbamidomethyl)(-44) FTC(Carbamidomethyl)T(-44) SKTPL-NH_3(-221)	y_5(-51)
620.3265	**668.2372**	**698.8609**	**735.2734**	**753.2809**	**764.0225**	**793.3256**	**811.8968**	**830.4482**	**840.7061**
y_6(-56)	TC(Carbamidomethyl)TAAY(-50)		TFTC(Carbamidomethyl)TAA-H_2O(-54) PESKTPL-H_2O(-177)	TFTC(Carbamidomethyl)TAA(-57) PESKTPL(-177)		C(Carbamidomethyl)TAAYPE(8.9)	y_{22}-H_2O^{+3}(195) y_{22}-NH_3^{+3}(-209)	AAYPESKT-H_2O(53) TAAYPESK-H_2O(53) y_{16}-H_2O^{+2}(-3.7) y_8(-60)	MH-H_2O^{+3}(-51) a_{15}^{+2}(-210)
846.9053	**893.4257**	**898.3202**	**916.3270**	**928.9403**	**931.4831**	**964.4563**	**1014.9778**	**1094.9891**	**1145.5063**
MH^{+3}(180)		TFTC(Carbamidomethyl)TAAY-H_2O(-63) YTFTC(Carbamidomethyl)TAA-H_2O(-63) YPESKTPL-H_2O(-163)	TFTC(Carbamidomethyl)TAAY(-65) YTFTC(Carbamidomethyl)TAA(-65) YPESKTPL(-164)		TAAYPESKT-H_2O(33) y_9(-67)				

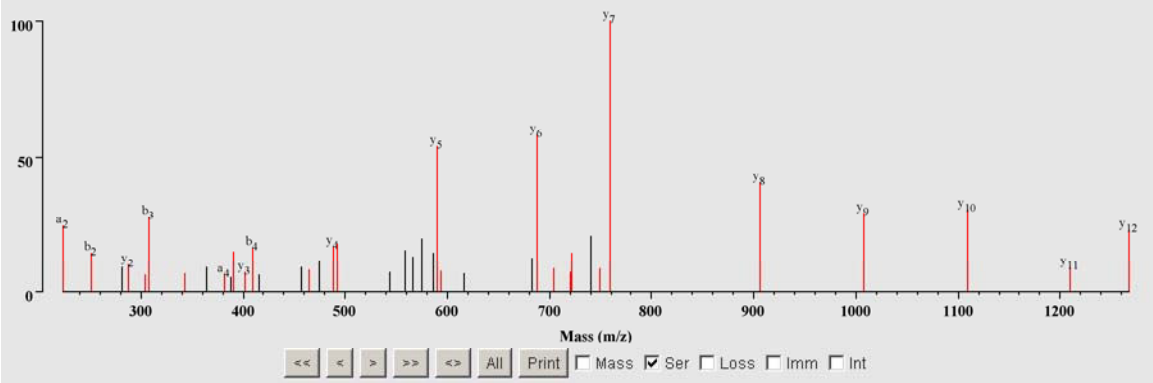
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	23	---	---
251.1026	---	2	**Y**	22	2451.2112	1226.1092
352.1503	---	3	**T**	21	2288.1479	1144.5776
499.2187	---	4	**F**	20	2187.1002	1094.0537
600.2664	---	5	**T**	19	2040.0318	1020.5195

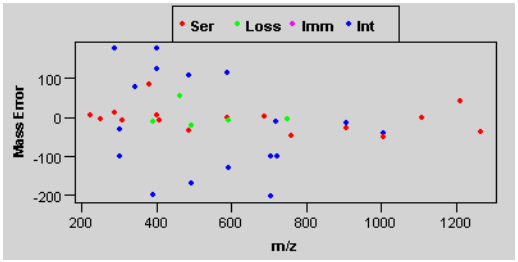
760.2971	---	6	**C(Carbamidomethyl)**	18	1938.9841	969.9957
861.3447	---	7	**T**	17	1778.9535	889.9804
932.3818	---	8	**A**	16	1677.9058	839.4565
1003.4190	---	9	**A**	15	1606.8687	803.9380
1166.4823	---	10	**Y**	14	1535.8316	768.4194
1263.5351	---	11	**P**	13	1372.7682	686.8877
1392.5776	---	12	**E**	12	1275.7155	638.3614
1479.6097	---	13	**S**	11	1146.6729	573.8401
1607.7046	804.3560	14	**K**	10	1059.6408	530.3241
1708.7523	854.8798	15	**T**	9	931.5459	466.2766
1805.8051	903.4062	16	**P**	8	830.4982	415.7527
1918.8891	959.9482	17	**L**	7	733.4454	367.2264
2019.9368	1010.4720	18	**T**	6	620.3614	310.6843
2090.9739	1045.9906	19	**A**	5	519.3137	260.1605
2192.0216	1096.5144	20	**T**	4	448.2766	224.6419
2305.1057	1153.0565	21	**L**	3	347.2289	174.1181
2392.1377	1196.5725	22	**S**	2	234.1448	117.5761
---	---	23	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTTTFAVTSILR^{+2}



Max Intensity: **2.80**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **78.0%** Matched Series Intensity: **77.7%**



Sequence SYGTTTFAVTSILR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H110 N17 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1517.7326	1516.8006	759.3700	758.9039

[–] **Peak Matches**

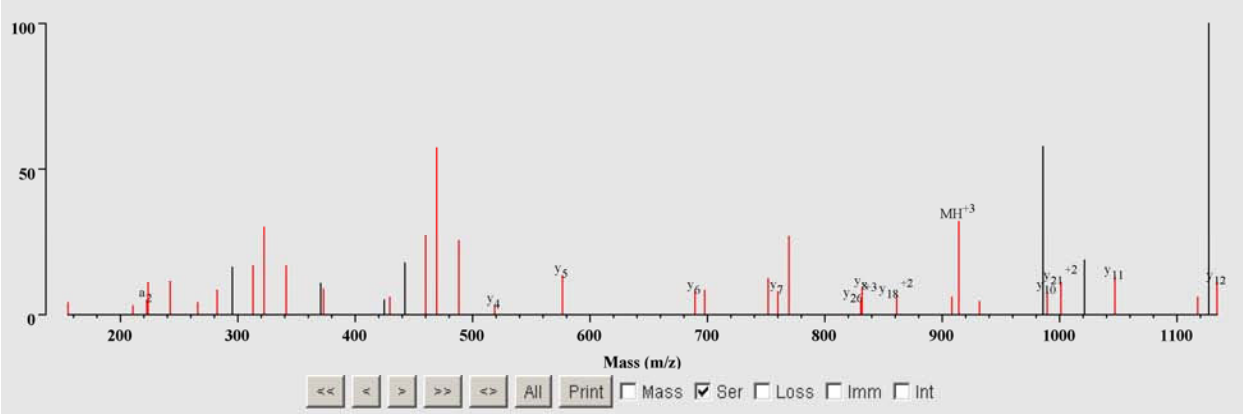
223.1085	251.1017	281.0360	288.2062	304.1200	308.1220	343.1880	364.1459	381.2087	388.1692
a_2(3.5)	b_2(-3.7)		VTS(176) y_2(11)	YGT-H_2O(-30) TTT(-100)	b_3(-6.8)	GTTT-H_2O(78)		a_4(84)	
391.1564	**401.2891**	**409.1684**	**415.0357**	**457.1624**	**464.2394**	**474.2063**	**488.3028**	**492.1982**	**543.2734**
b_4-H_2O(-12) FAVT-28(-198) TFAV-28(-198)	FAVT-H_2O(176) TFAV-H_2O(176) VTSI(124) y_3(5.0)	b_4(-8.2)			a_3-H_2O(55)		FAVTS-H_2O(107) y_4(-33)	b_5-H_2O(-22) TTFAV-28(-170) TTFAT-28(-170)	
558.2044	**566.2558**	**575.2679**	**586.3225**	**589.3651**	**593.2519**	**615.8453**	**683.3205**	**688.4361**	**704.2916**
				TFAVTS-H_2O(114) y_5(-2.9)	b_6-H_2O(-7.9) TTFAVT-28(-131) TTTFAV-28(-131)			y_6(1.3)	TTTFAVT-H_2O(-99) FAVTSIL-28(-202)
720.3835	**722.3000**	**740.8731**	**749.8956**	**759.4369**	**906.5166**	**1007.5367**	**1108.6330**	**1209.7316**	**1266.6594**
TFAVTSI(-13)	TTTFAVT(-100)		MH-H_2O^{+2}(-4.1)	y_7(-47)	TTFAVTSIL-28(-14) y_8(-27)	TTTFAVTSIL-28(-40) y_9(-51)	y_{10}(-2.8)	y_{11}(40)	y_{12}(-36)

[–] **Main Sequence Ions**

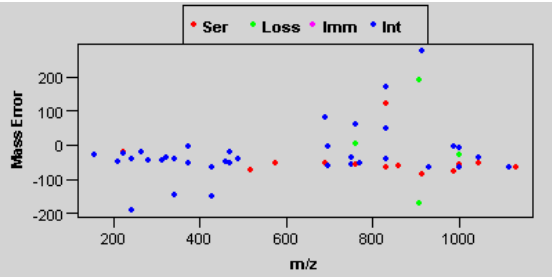
b			y	y^{+2}
---	1	**S** 14	---	---
251.1026	2	**Y** 13	1429.7686	715.3879
308.1241	3	**G** 12	1266.7052	633.8563
409.1718	4	**T** 11	1209.6838	605.3455
510.2195	5	**T** 10	1108.6361	554.8217
611.2671	6	**T** 9	1007.5884	504.2978
758.3355	7	**F** 8	906.5407	453.7740
829.3727	8	**A** 7	759.4723	380.2398
928.4411	9	**V** 6	688.4352	344.7212
1029.4888	10	**T** 5	589.3668	295.1870
1116.5208	11	**S** 4	488.3191	244.6632
1229.6048	12	**I** 3	401.2871	201.1472
1342.6889	13	**L** 2	288.2030	144.6051
---	14	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGPSVFPLAPSSKSTSGGTAALGC(Carbamidomethyl)LVK^{+3}



Max Intensity: **41.5**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **65.5%** Matched Series Intensity: **63.1%**



Sequence: SYGPSVFPLAPSSKSTSGGTAALGC(Carbamidomethyl)LVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C121 H196 N31 O39 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2740.9898	2739.4022	1370.9986	1370.2047	914.3349	913.8056

[–] Peak Matches

155.0768	211.1336	223.1028	224.0976	242.1036	266.1448	282.1687	295.1648	313.1735	323.1599
TA-H_2O(-30) GP(-30)	PL(-50)	a_2(-22)	GPS-H_2O(-24)	GPS(-41) ALG(-191)	PSV-H_2O(-19)	LAP(-44) PLA(-44)		GPSV-28(-43) AALG(-43)	GPSV-H_2O(-36)
341.1688	**371.1569**	**373.1707**	**425.1997**	**429.2214**	**442.2257**	**460.2333**	**470.2149**	**488.2300**	**519.2571**
GPSV(-39) LAPS-28(-145)		SSKS-NH_3(-2.9) C(Carbamidomethyl)LV(-53)		FPLA(-66) VFPL-28(-151)		GPSVF-28(-48)	PSSKS-NH_3(-20) GPSVF-H_2O(-53)	GPSVF(-42)	y_4(-75)
576.2864	**689.3648**	**698.3441**	**751.3712**	**760.3946**	**769.3827**	**830.5422**	**831.4237**	**860.8981**	**907.9735**
y_5(-54)	SKSTSGGT-NH_3(79) y_6(-53)	TSGGTAALG-H_2O(-3.8) GPSVFPL(-62)	PLAPSSKS-NH_3(-36) GPSVFPLA-H_2O(-57)	SKSTSGGTA-NH_3(62) y_{16}-NH_3^{+2}(2.3) y_7(-58)	GPSVFPLA(-54)	SKSTSGGTAA-H_2O(171) y_{26}^{+3}(123)	SKSTSGGTAA-NH_3(47) LAPSSKSTS-28(-40) y_8(-63)	y_{18}^{+2}(-59)	MH-H_2O^{+3}(189) MH-NH_3^{+3}(-172)
913.7262	**931.4227**	**985.9403**	**989.4678**	**1001.4802**	**1021.4533**	**1046.5101**	**1117.5119**	**1126.5212**	**1133.5233**
KSTSGGTAALG-H_2O(276) MH^{+3}(-87)	KSTSGGTAALG(-66)		TSGGTAALGC(Carbamidomethyl)L(-4.3) y_{10}(-78)	SKSTSGGTAALG-NH_3(-9.6) b_{10}-H_2O(-29) y_{21}^{+2}(-55) YGPSVFPLAP-28(-65)		LAPSSKSTSGGT-28(-36) y_{11}(-54)	PSSKSTSGGTAAL-28(-65) LAPSSKSTSGGTA-28(-65)		y_{12}(-66)

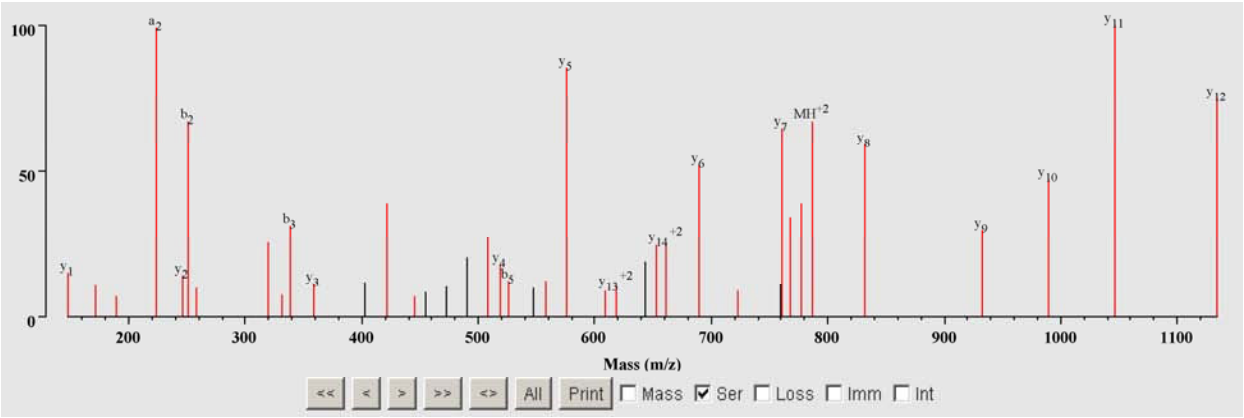
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	28	---	---
251.1026	---	2	Y	27	2652.3702	1326.6887
308.1241	---	3	G	26	2489.3068	1245.1571
405.1769	---	4	P	25	2432.2854	1216.6463
492.2089	---	5	S	24	2335.2326	1168.1199
591.2773	---	6	V	23	2248.2006	1124.6039
738.3457	---	7	F	22	2149.1322	1075.0697
835.3985	---	8	P	21	2002.0638	1001.5355
948.4825	---	9	L	20	1905.0110	953.0091
1019.5197	---	10	A	19	1791.9269	896.4671
1116.5724	---	11	P	18	1720.8898	860.9485
1203.6045	---	12	S	17	1623.8370	812.4222

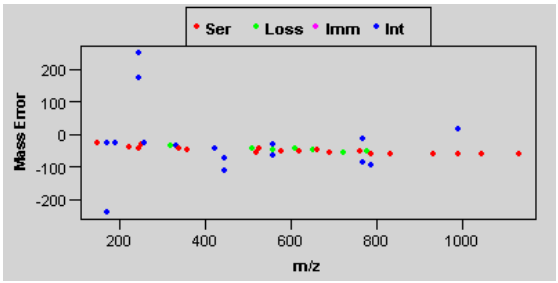
1290.6365	---	13	**S**	16	1536.8050	768.9061
1418.7314	709.8694	14	**K**	15	1449.7730	725.3901
1505.7635	753.3854	15	**S**	14	1321.6780	661.3427
1606.8111	803.9092	16	**T**	13	1234.6460	617.8266
1693.8432	847.4252	17	**S**	12	1133.5983	567.3028
1750.8646	875.9360	18	**G**	11	1046.5663	523.7868
1807.8861	904.4467	19	**G**	10	989.5448	495.2761
1908.9338	954.9705	20	**T**	9	932.5234	466.7653
1979.9709	990.4891	21	**A**	8	831.4757	416.2415
2051.0080	1026.0076	22	**A**	7	760.4386	380.7229
2164.0921	1082.5497	23	**L**	6	689.4015	345.2044
2221.1135	1111.0604	24	**G**	5	576.3174	288.6623
2381.1442	1191.0757	25	**C(Carbamidomethyl)**	4	519.2959	260.1516
2494.2283	1247.6178	26	**L**	3	359.2653	180.1363
2593.2967	1297.1520	27	**V**	2	246.1812	123.5942
---	---	28	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTSGGTAALGC(Carbamidomethyl)LVK^{+2}



Max Intensity: **323**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **92.7%** Matched Series Intensity: **91.9%**



Sequence: SYSTSGGTAALGC(Carbamidomethyl)LVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H111 N18 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1572.6229	1571.7734	786.8152	786.3903

[–] Peak Matches

147.1089	**171.0718**	**189.0821**	**223.0985**	**246.1700**	**251.0944**	**258.1009**	**320.1133**	**331.1313**	**338.1200**
y_1(-27)	TS-H_2O(-27) ST-H_2O(-27) LG(-240)	TS(-26) ST(-26)	YS-28(-41) a_2(-41)	TSG(250) C(Carbamidomethyl)L-28(174) y_2(-46)	YS(-33) b_2(-33)	STS-H_2O(-29)	b_3-H_2O(-34)	GC(Carbamidomethyl)L(-37) LGC(Carbamidomethyl)(-37)	b_3(-43)
359.2479	**403.1450**	**421.1542**	**445.1720**	**455.1574**	**472.1582**	**490.1704**	**508.1804**	**519.2657**	**526.1918**
y_3(-48)		b_4-H_2O(-42) YSTS-H_2O(-42)	SGGTAA(-72) AALGC(Carbamidomethyl)-28(-114)				b_5-H_2O(-46)	y_4(-58)	b_5(-43)
547.1856	**558.2703**	**576.2864**	**608.7955**	**617.7953**	**643.2955**	**652.3065**	**661.3096**	**689.3623**	**723.2541**
	SGGTAAL(-32) y_{12}-H_2O^{+2}(-49) AALGC(Carbamidomethyl)L-28(-65)	y_5(-54)	y_{13}-H_2O^{+2}(-42)	y_{13}^{+2}(-51)		y_{14}-H_2O^{+2}(-47)	y_{14}^{+2}(-50)	y_6(-57)	b_8-H_2O(-56)
759.3329	**760.3972**	**768.3409**	**777.3439**	**786.3437**	**831.4264**	**932.4685**	**989.4857**	**1046.5040**	**1133.5265**
	y_7(-54)	YSTSGGTAA-28(-15) TAALGC(Carbamidomethyl)LV-H_2O(-86)	MH-H_2O^{+2}(-53)	MH^{+2}(-59) TAALGC(Carbamidomethyl)LV(-94)	y_8(-59)	y_9(-59)	TSGGTAALGC(Carbamidomethyl)L(14) y_{10}(-60)	y_{11}(-60)	y_{12}(-63)

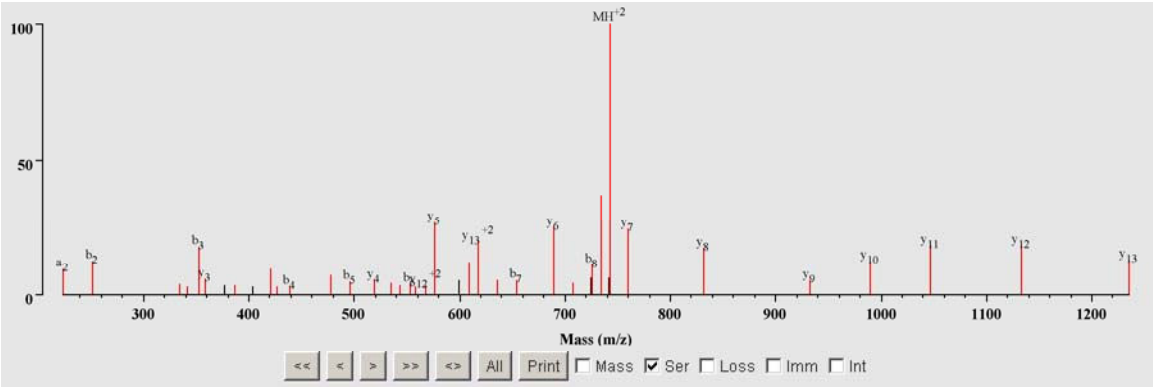
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	16	---	---
251.1026	2	Y	15	1484.7414	742.8743
338.1347	3	S	14	1321.6780	661.3427
439.1823	4	T	13	1234.6460	617.8266
526.2144	5	S	12	1133.5983	567.3028
583.2358	6	G	11	1046.5663	523.7868
640.2573	7	G	10	989.5448	495.2761
741.3050	8	T	9	932.5234	466.7653
812.3421	9	A	8	831.4757	416.2415
883.3792	10	A	7	760.4386	380.7229
996.4633	11	L	6	689.4015	345.2044
1053.4847	12	G	5	576.3174	288.6623
1213.5154	13	C(Carbamidomethyl)	4	519.2959	260.1516
1326.5994	14	L	3	359.2653	180.1363

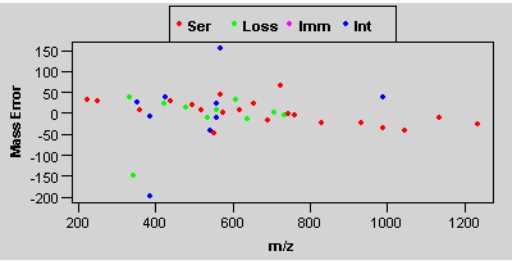
1425.6679	15	**V**	2	246.1812	123.5942
---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTSGGTAALGC(Carbamidomethyl)LVK^{+2}



Max Intensity: **13.0**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **94.9%** Matched Series Intensity: **93.0%**



Sequence: SYTSGGTAALGC(Carbamidomethyl)LVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H106 N17 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1485.5443	1484.7414	743.2758	742.8743

[–] **Peak Matches**

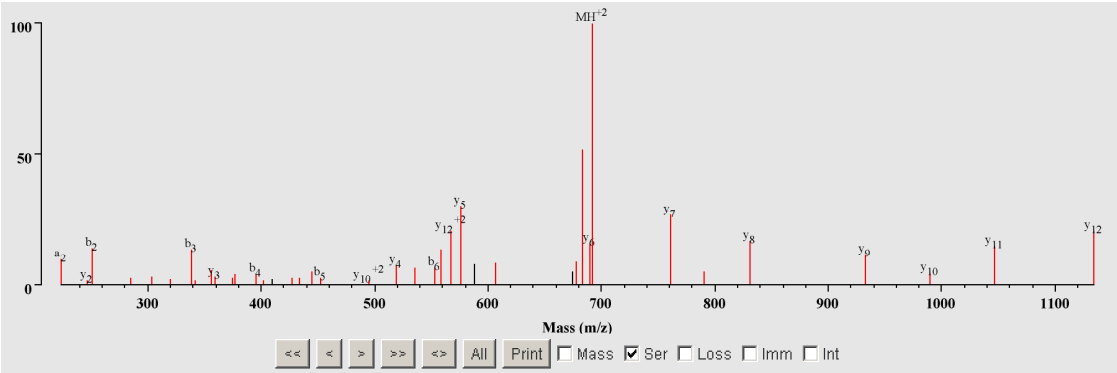
223.1151	251.1100	334.1529	342.1878	352.1592	359.2683	377.1598	386.1635	403.1735	421.1811
a_2(33)	b_2(29)	YTS-H_2O(39) b_3-H_2O(39)	y_3-NH_3(-149)	b_3(25) YTS(25)	y_3(8.4)		TSGGT-H_2O(-9.1) GTAAL-28(-198) TAALG-28(-198)		b_4-H_2O(22)
427.2097	**439.1952**	**478.1994**	**496.2132**	**519.3003**	**535.2088**	**543.2739**	**553.1987**	**558.3010**	**567.3286**
SGGTAA-H_2O(38)	b_4(29)	b_5-H_2O(13)	b_5(19)	y_4(8.4)	b_6-H_2O(-11)	LGC(Carbamidomethyl)LV(-41)	b_6(-48)	SGGTAAL(23) y_{12}-H_2O^{+2}(6.2) AALGC(Carbamidomethyl)L-28(-10)	YTSGGT(155) y_{12}^{+2}(45)
576.3174	**599.8165**	**608.8408**	**617.8313**	**636.2535**	**654.2878**	**689.3893**	**707.3003**	**724.8498**	**725.3569**
y_5(0.010)		y_{13}-H_2O^{+2}(32)	y_{13}^{+2}(7.5)	b_7-H_2O(-14)	b_7(23)	y_6(-18)	b_8-H_2O(1.1)		b_8(65)
733.8667	**741.3332**	**742.8723**	**760.4348**	**831.4563**	**932.5014**	**989.5097**	**1046.5247**	**1133.5848**	**1234.6151**
MH-H_2O^{+2}(-3.2)		MH^{+2}(-2.7)	y_7(-5.0)	y_8(-23)	y_9(-24)	TSGGTAALGC(Carbamidomethyl)L(38) y_{10}(-35)	y_{11}(-40)	y_{12}(-12)	y_{13}(-25)

[–] **Main Sequence Ions**

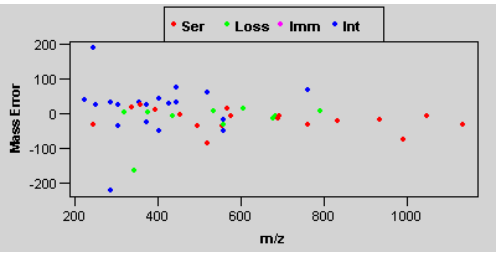
b			y	y^{+2}
---	1	**S**	15 ---	---
251.1026	2	**Y**	14 1397.7093	699.3583
352.1503	3	**T**	13 1234.6460	617.8266
439.1823	4	**S**	12 1133.5983	567.3028
496.2038	5	**G**	11 1046.5663	523.7868
553.2253	6	**G**	10 989.5448	495.2761
654.2729	7	**T**	9 932.5234	466.7653
725.3101	8	**A**	8 831.4757	416.2415
796.3472	9	**A**	7 760.4386	380.7229
909.4312	10	**L**	6 689.4015	345.2044
966.4527	11	**G**	5 576.3174	288.6623
1126.4833	12	**C(Carbamidomethyl)**	4 519.2959	260.1516
1239.5674	13	**L**	3 359.2653	180.1363
1338.6358	14	**V**	2 246.1812	123.5942
---	15	**K**	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSGGTAALGC(Carbamidomethyl)LVK^{+2}



Max Intensity: **9.20**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **96.8%** Matched Series Intensity: **95.2%**



Sequence: SYSGGTAALGC(Carbamidomethyl)LVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H99 N16 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1384.4385	1383.6937	692.7230	692.3505

[–] Peak Matches

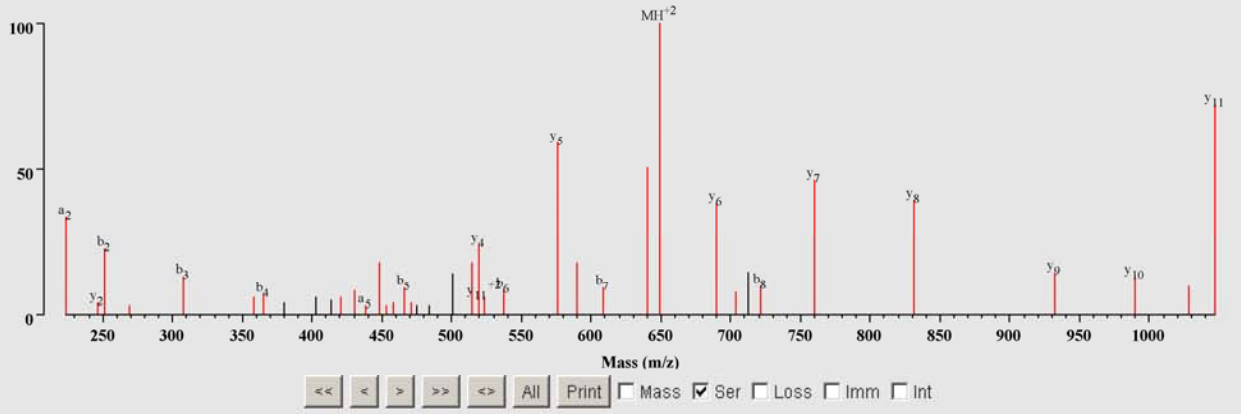
223.1165	246.1737	251.1085	285.1287	303.1376	320.1246	338.1401	342.1825	356.1682	359.2737
a_2(39) YS-28(39)	C(Carbamidomethyl)L-28 (189) y_2(-31)	b_2(23) YS(23)	SGGT-H_2O(33) AALG-28(-222)	SGGT(25) GC(Carbamidomethyl)L-28(-36) LGC(Carbamidomethyl)-28(-36)	b_3-H_2O(1.6)	b_3(16)	y_3-NH_3(-164)	SGGTA-H_2O (33)	y_3(23)
374.1755	**377.1469**	**395.1605**	**402.1974**	**409.1623**	**427.2058**	**434.1642**	**445.2372**	**452.1752**	**495.2587**
SGGTA(23) ALGC(Carbamidomethyl)-28(-27)	b_4-H_2O(3.6)	b_4(11)	ALGC(Carbamidomethyl)(42) GC(Carbamidomethyl)LV-28(-49)		SGGTAA-H_2O (29)	b_5-H_2O(-6.5)	SGGTAA(74) AALGC(Carbamidomethyl)-28 (32)	b_5(-5.3)	y_{10}^{+2}(-35)
519.2507	**535.2175**	**553.2054**	**558.2787**	**567.3106**	**576.3128**	**588.2538**	**606.2609**	**674.3349**	**677.2798**
YSGGTA-H_2O(60) y_4(-87)	b_6-H_2O(5.2)	b_6(-36)	SGGTAAL(-17) y_{12}-H_2O^{+2}(-34) AALGC(Carbamidomethyl)L-28(-50)	y_{12}^{+2}(14)	y_5(-8.0)		b_7-H_2O(15)		b_8-H_2O(-13)
683.3397	**689.3918**	**692.3444**	**760.4139**	**790.3780**	**831.4563**	**932.5043**	**989.4710**	**1046.5599**	**1133.5606**
MH-H_2O^{+2}(-8.0)	y_6(-14)	MH^{+2}(-8.8)	YSGGTAALG-H_2O(68) y_7(-32)	b_9-H_2O(6.3)	y_8(-23)	y_9(-20)	y_{10}(-75)	y_{11}(-6.1)	y_{12}(-33)

[–] Main Sequence Ions

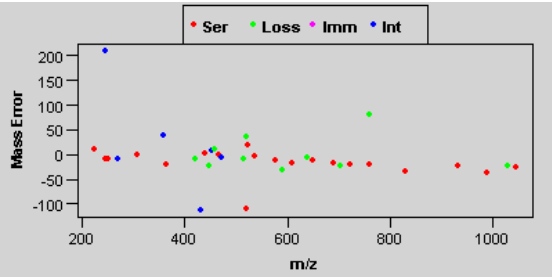
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1296.6616	648.8345
338.1347	3	S	12 1133.5983	567.3028
395.1561	4	G	11 1046.5663	523.7868
452.1776	5	G	10 989.5448	495.2761
553.2253	6	T	9 932.5234	466.7653
624.2624	7	A	8 831.4757	416.2415
695.2995	8	A	7 760.4386	380.7229
808.3836	9	L	6 689.4015	345.2044
865.4050	10	G	5 576.3174	288.6623
1025.4357	11	C(Carbamidomethyl)	4 519.2959	260.1516
1138.5197	12	L	3 359.2653	180.1363
1237.5881	13	V	2 246.1812	123.5942
---	14	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGTAALGC(Carbamidomethyl)LVK^{+2}



Max Intensity: **13.0**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **93.3%** Matched Series Intensity: **91.6%**



Sequence: SYGGTAALGC(Carbamidomethyl)LVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H94 N15 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1297.3599	1296.6616	649.1836	648.8345

[–] **Peak Matches**

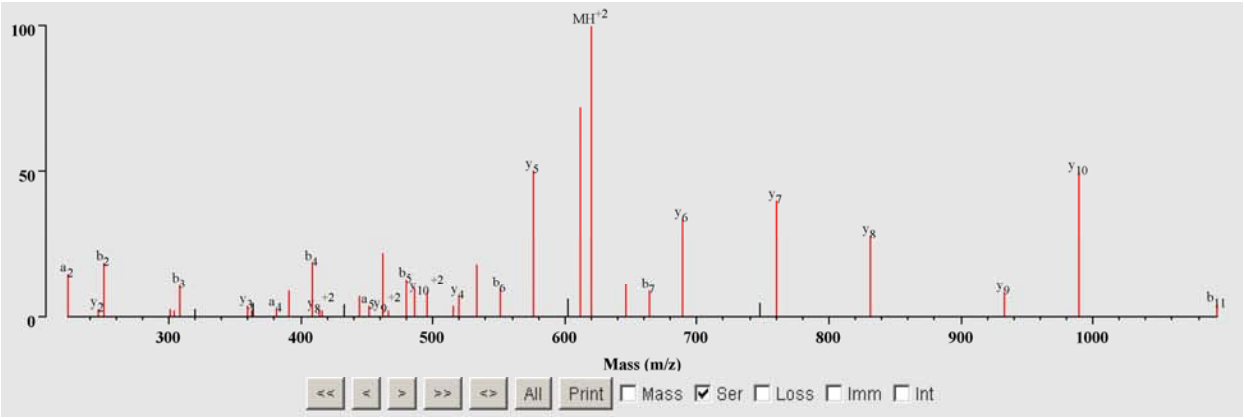
223.1099	**246.1788**	**251.1002**	**269.1217**	**308.1237**	**358.1856**	**365.1380**	**380.1377**	**403.1910**	**413.1484**
a_2(9.8)	C(Carbamidomethyl)L-28(210) y_2(-9.8)	b_2(-9.7)	GGTA-H_2O(-10)	b_3(-1.3)	GGTAA(38)	b_4(-21)			
420.1839	**430.1632**	**438.1988**	**448.1722**	**453.2493**	**457.7656**	**466.1928**	**471.2536**	**475.1961**	**484.1875**
a_5-H_2O(-9.2)	GC(Carbamidomethyl)LV(-113)	a_5(1.1)	b_5-H_2O(-23)	GGTAAL-H_2O(8.1) GTAALG-H_2O(8.1)	y_9-H_2O^{+2}(12)	b_5(-0.94)	GGTAAL(-5.5) GTAALG(-5.5)		
501.2085	**514.7762**	**519.2392**	**523.7972**	**537.2287**	**576.3102**	**590.2385**	**608.2571**	**639.8251**	**648.8263**
	y_{11}-H_2O^{+2}(-10)	b_6-H_2O(37) y_4(-109)	y_{11}^{+2}(20)	b_6(-3.1)	y_5(-12)	b_7-H_2O(-31)	b_7(-17)	MH-H_2O^{+2}(-6.4)	MH^{+2}(-13)
689.3899	**703.3250**	**712.4247**	**721.3364**	**760.4230**	**831.4473**	**932.5014**	**989.5072**	**1028.5315**	**1046.5379**
y_6(-17)	b_8-H_2O(-23)		b_8(-21)	b_9-H_2O(80) y_7(-20)	y_8(-34)	y_9(-24)	y_{10}(-38)	y_{11}-H_2O(-24)	y_{11}(-27)

[–] **Main Sequence Ions**

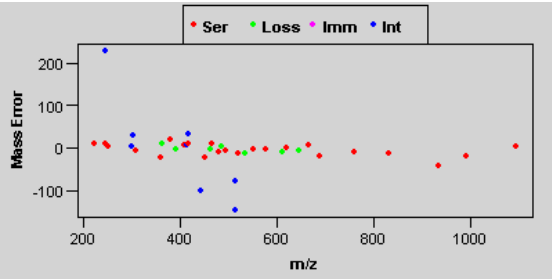
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1209.6296	605.3184
308.1241	3	G	11	1046.5663	523.7868
365.1456	4	G	10	989.5448	495.2761
466.1932	5	T	9	932.5234	466.7653
537.2304	6	A	8	831.4757	416.2415
608.2675	7	A	7	760.4386	380.7229
721.3515	8	L	6	689.4015	345.2044
778.3730	9	G	5	576.3174	288.6623
938.4036	10	C(Carbamidomethyl)	4	519.2959	260.1516
1051.4877	11	L	3	359.2653	180.1363
1150.5561	12	V	2	246.1812	123.5942
---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTAALGC(Carbamidomethyl)LVK^{+2}



Max Intensity: **24.3**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **96.6%** Matched Series Intensity: **95.2%**



Sequence: SYGTAALGC(Carbamidomethyl)LVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H91 N14 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1240.3076	1239.6402	620.6575	620.3237

[–] Peak Matches

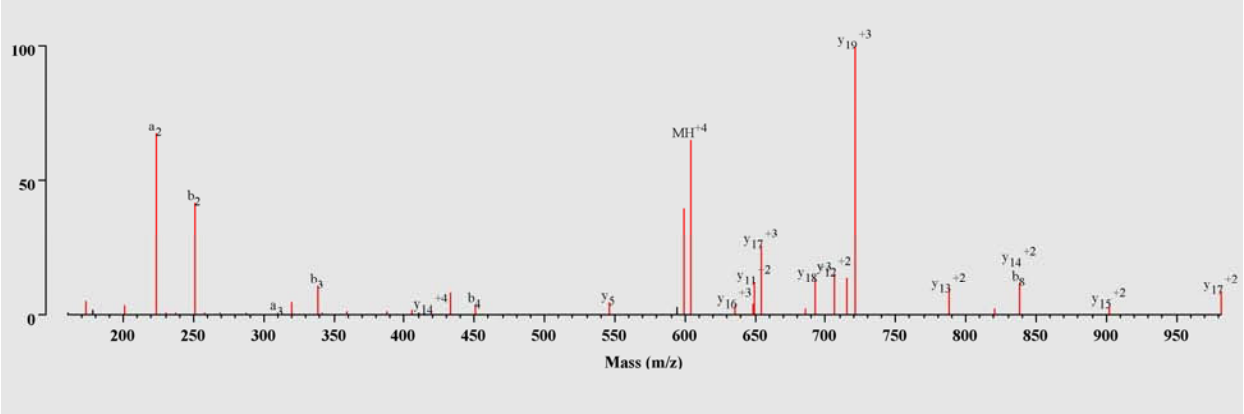
223.1099	246.1832	251.1032	301.1516	304.1381	308.1220	320.1159	359.2575	363.1696	364.1549
a_2(9.8)	C(Carbamidomethyl)L-28(228) y_2(8.1)	b_2(2.3)	GTAA(3.2)	YGT-H_2O(29)	b_3(-6.8)		y_3(-22)	a_4-H_2O(9.1)	
381.1846	**391.1601**	**409.1742**	**414.2379**	**416.2454**	**433.2070**	**444.1821**	**452.2042**	**462.1964**	**466.7692**
a_4(20)	b_4-H_2O(-2.8)	b_4(5.9)	GTAAL(7.7) TAALG(7.7)	LGC(Carbamidomethyl)L-28(31) y_8^{+2}(9.4)		LGC(Carbamidomethyl)L(-102)	a_5(-22)	b_5-H_2O(-4.2)	y_9^{+2}(8.3)
480.2037	**486.2722**	**495.2726**	**515.2251**	**519.2888**	**533.2286**	**551.2434**	**576.3148**	**602.2967**	**611.3115**
b_5(-11)	y_{10}-H_2O^{+2}(2.9)	y_{10}^{+2}(-7.0)	ALGC(Carbamidomethyl)L(-77) LGC(Carbamidomethyl)LV-28(-147)	y_4(-14)	b_6-H_2O(-13)	b_6(-4.7)	y_5(-4.5)		MH-H_2O^{+2}(-11)
620.3227	**646.3144**	**664.3337**	**689.3875**	**747.4589**	**760.4309**	**831.4637**	**932.4841**	**989.5250**	**1093.5376**
MH^{+2}(-1.7)	b_7-H_2O(-7.9)	b_7(5.5)	y_6(-20)		y_7(-10)	y_8(-14)	y_9(-42)	y_{10}(-20)	b_{11}(2.7)

[–] Main Sequence Ions

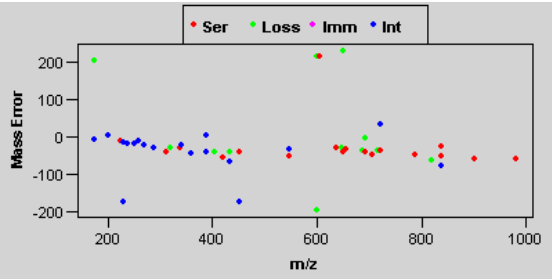
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1152.6082	576.8077
308.1241	3	G	10	989.5448	495.2761
409.1718	4	T	9	932.5234	466.7653
480.2089	5	A	8	831.4757	416.2415
551.2460	6	A	7	760.4386	380.7229
664.3301	7	L	6	689.4015	345.2044
721.3515	8	G	5	576.3174	288.6623
881.3822	9	C(Carbamidomethyl)	4	519.2959	260.1516
994.4662	10	L	3	359.2653	180.1363
1093.5347	11	V	2	246.1812	123.5942
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLGTQTYIC(Carbamidomethyl)NVNHKPSNTK^{+4}



Max Intensity: **773**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **98.8%** Matched Series Intensity: **98.7%**



Sequence: SYSLGTQTYIC(Carbamidomethyl)NVNHKPSNTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C103 H163 N30 O35 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2413.5224	2412.1612	1207.2649	1206.5843	805.1791	804.7253	604.1362	603.7958

[–] Peak Matches

160.0769	173.1272	178.0856	201.1240	223.1055	230.1100	237.1192	251.0976	258.1419	269.1184
	y_3-NH_3^{+2}(203) SL-28(-7.2)		SL(3.1)	YS-28(-9.9) a_2(-9.9)	TQ(-15) QT(-15) y_2-H_2O(-173) SLG-28(-173)	TY-28(-18)	b_2(-20) YS(-20)	SLG(-11)	GTQ-H_2O(-22)
287.1266	**310.1270**	**320.1138**	**338.1250**	**341.1736**	**359.1768**	**388.1663**	**405.1966**	**410.6860**	**419.6871**
GTQ(-29)	a_3(-41)	b_3-H_2O(-32)	b_3(-29)	SLGT-H_2O(-24)	SLGT(-44)	IC(Carbamidomethyl)N(3.6) GTQT(-42)	a_4-H_2O(-41)		y_{14}^{+4}(-57)
433.1905	**451.1992**	**546.2592**	**594.7766**	**599.4209**	**603.9256**	**635.6294**	**648.6316**	**649.7890**	**654.6323**
b_4-H_2O(-41) HKPS-NH_3(-67)	b_4(-43) VNHK-28(-174)	HKPSN-H_2O(-35) NHKPS-H_2O(-35) y_5(-53)		MH-H_2O^{+4}(213) MH-NH_3^{+4}(-197)	MH^{+4}(215)	y_{16}^{+3}(-29)	y_{17}-H_2O^{+3}(-30)	b_{17}-NH_3^{+3}(229) y_{11}^{+2}(-43)	y_{17}^{+3}(-34)
686.3213	**692.3217**	**706.3259**	**715.3308**	**721.3318**	**787.8522**	**820.3316**	**838.3703**	**902.3894**	**981.4203**
y_{18}-H_2O^{+3}(-36)	a_7-NH_3(-4.7) y_{18}^{+3}(-40)	y_{12}^{+2}(-47)	y_{19}-H_2O^{+3}(-36)	IC(Carbamidomethyl)NVNH-NH_3(32) y_{19}^{+3}(-39)	y_{13}^{+2}(-49)	b_8-H_2O(-63)	b_8(-28) y_{14}^{+2}(-53) IC(Carbamidomethyl)NVNHK-28(-77)	y_{15}^{+2}(-60)	y_{17}^{+2}(-59)

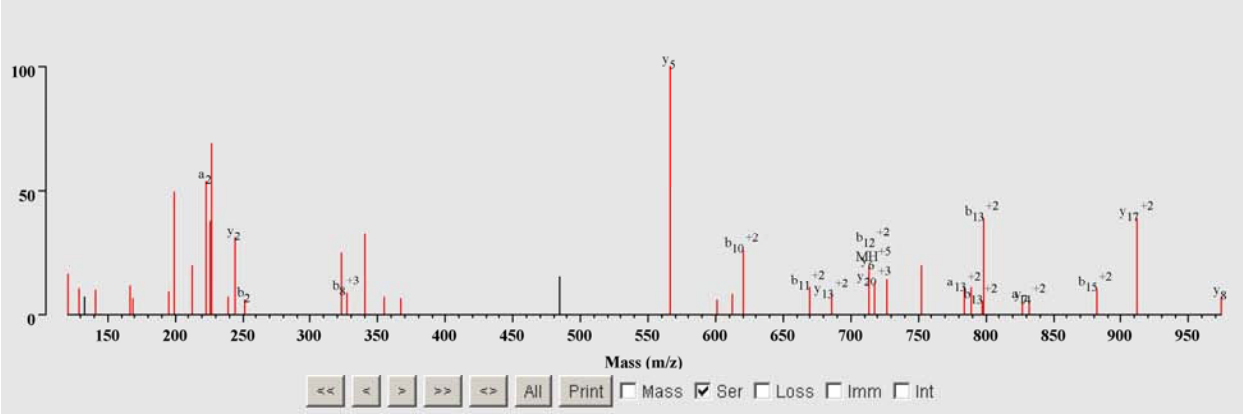
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	21	---	---
251.1026	---	2	**Y**	20	2325.1292	1163.0682
338.1347	---	3	**S**	19	2162.0659	1081.5366
451.2187	---	4	**L**	18	2075.0338	1038.0206
508.2402	---	5	**G**	17	1961.9498	981.4785
609.2879	---	6	**T**	16	1904.9283	952.9678
737.3464	---	7	**Q**	15	1803.8806	902.4440
838.3941	---	8	**T**	14	1675.8221	838.4147
1001.4575	---	9	**Y**	13	1574.7744	787.8908
1114.5415	---	10	**I**	12	1411.7111	706.3592
1274.5722	---	11	**C(Carbamidomethyl)**	11	1298.6270	649.8171
1388.6151	---	12	**N**	10	1138.5963	569.8018
1487.6835	---	13	**V**	9	1024.5534	512.7803
1601.7264	---	14	**N**	8	925.4850	463.2461
1738.7853	869.8963	15	**H**	7	811.4421	406.2247

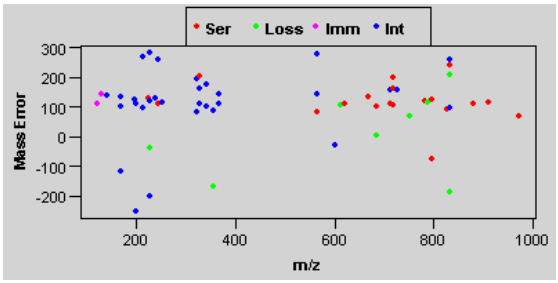
1866.8803	933.9438	16	**K**	6	674.3832	337.6952
1963.9331	982.4702	17	**P**	5	546.2882	273.6477
2050.9651	1025.9862	18	**S**	4	449.2354	225.1214
2165.0080	1083.0077	19	**N**	3	362.2034	181.6053
2266.0557	1133.5315	20	**T**	2	248.1605	124.5839
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)DKTHTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPELLGGPSVFLFPPKPK^{+5}



Max Intensity: **1.97**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **97.2%** Matched Series Intensity: **97.8%**



Sequence: SYSC(Carbamidomethyl)DKTHTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPE
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 5 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C162 H247 N40 O46 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)	MH^{+5}(av)	MH^{+5}(mono)
3586.7063	3584.7375	1793.8569	1792.8724	1196.2404	1195.5840	897.4321	896.9398	718.1472	717.7533

[–] Peak Matches

120.0942	129.1207	133.0597	141.1220	167.0984	169.1196	195.1371	199.1303	212.1599	223.1367
F(112)	K(143)		AP-28(140) PA-28(140)	PS-H_2O (101) PP-28(-117)	SV-H_2O (133) AP(133) PA(133)	PP(125)	PE-28(113) LL-28(-252)	GGP(268) KT-H_2O(97)	YS-28(130) a_2(130)
226.1827	**227.1303**	**239.1443**	**244.1924**	**251.1318**	**323.2338**	**327.2023**	**340.2209**	**355.1749**	**367.2500**
DK-H_2O(283) PK(122) KP(122)	DK-NH_3(122) PE(122) y_2-NH_3(-38) LL(-199)	HT(127) TH(127)	DK(259) y_2(110)	b_2(116) YS(116)	GPSV-H_2O (193) PPK(81) PKP(81)	b_8^{+3}(202) C(Carbamidomethyl)PP-28(164) PPC(Carbamidomethyl)-28(164) PC(Carbamidomethyl)P-28(164) DKT-H_2O(110)	THT(175) PEL(101)	b_9-NH_3^{+3}(89) C(Carbamidomethyl)PP (89) PC(Carbamidomethyl)P (89) PPC(Carbamidomethyl) (89) y_3-NH_3(-166)	PAPE-28(143) KTH(112)
484.6005	**566.4137**	**601.3184**	**611.7986**	**620.8095**	**669.3572**	**685.9657**	**713.5147**	**717.8686**	**726.4026**
	DKTHT-NH_3 (277) LFPPK-NH_3 (141) SVFLF-28 (141) y_5(84)	GPSVFL(-27)	b_{10}-H_2O^{+2} (105)	b_{10}^{+2}(112)	b_{11}^{+2}(136)	y_{13}^{+2}(103) a_{18}-H_2O^{+3}(5.1)	FLFPPK-NH_3 (158) y_6(112)	y_{20}^{+3}(197) MH^{+5}(161) b_{12}^{+2}(106)	DKTHTC(Carbamidomethyl)-NH_3(158) C(Carbamidomethyl)DKTHT-NH_3(158)
752.3755	**783.9038**	**788.8937**	**797.7493**	**797.9070**	**826.5927**	**832.5383**	**881.9490**	**912.1309**	**973.6533**
C(Carbamidomethyl)PPC (Carbamidomethyl)PAP-28(71) b_{20}-NH_3^{+3}(69)	a_{13}^{+2}(119)	b_{13}-H_2O^{+2} (116)	b_{13}^{+2}(-73)	b_{13}^{+2}(124)	y_7(90)	HTC(Carbamidomethyl)PPC (Carbamidomethyl)P-H_2O(259) a_{14}^{+2}(242) b_{23}-H_2O^{+3}(209) PELLGGPSV-H_2O(98) PAPELLGGP(98) b_{23}-NH_3^{+3}(-185)	b_{15}^{+2}(109)	y_{17}^{+2}(114)	y_8(68)

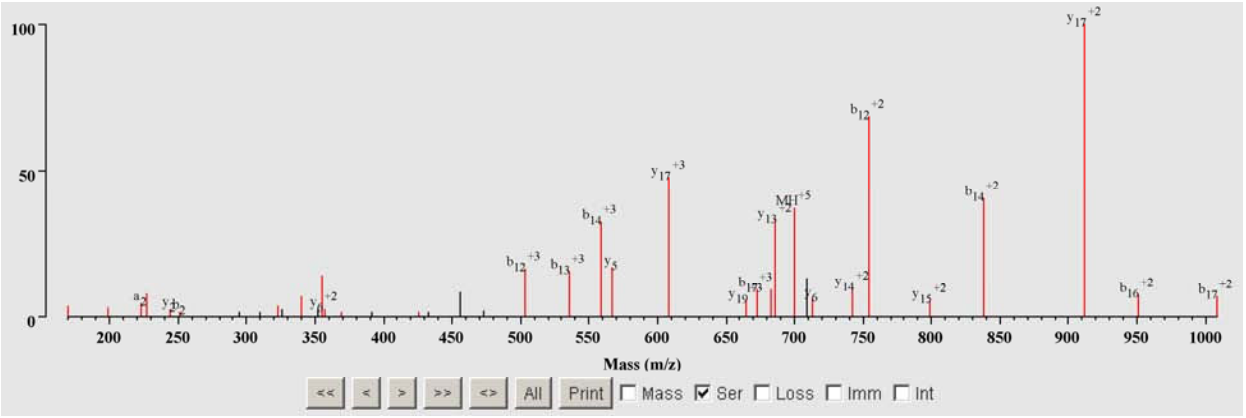
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	32	---	---
251.1026	---	2	Y	31	3497.7055	1749.3564
338.1347	---	3	S	30	3334.6421	1667.8247

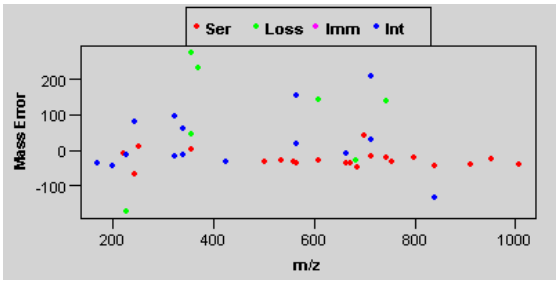
498.1653	---	4	**C(Carbamidomethyl)**	29	3247.6101	1624.3087
613.1923	---	5	**D**	28	3087.5794	1544.2934
741.2872	371.1472	6	**K**	27	2972.5525	1486.7799
842.3349	421.6711	7	**T**	26	2844.4575	1422.7324
979.3938	490.2005	8	**H**	25	2743.4099	1372.2086
1080.4415	540.7244	9	**T**	24	2606.3509	1303.6791
1240.4721	620.7397	10	**C(Carbamidomethyl)**	23	2505.3033	1253.1553
1337.5249	669.2661	11	**P**	22	2345.2726	1173.1399
1434.5777	717.7925	12	**P**	21	2248.2199	1124.6136
1594.6083	797.8078	13	**C(Carbamidomethyl)**	20	2151.1671	1076.0872
1691.6611	846.3342	14	**P**	19	1991.1364	996.0719
1762.6982	881.8527	15	**A**	18	1894.0837	947.5455
1859.7510	930.3791	16	**P**	17	1823.0466	912.0269
1988.7935	994.9004	17	**E**	16	1725.9938	863.5005
2101.8776	1051.4424	18	**L**	15	1596.9512	798.9792
2214.9617	1107.9845	19	**L**	14	1483.8671	742.4372
2271.9831	1136.4952	20	**G**	13	1370.7831	685.8952
2329.0046	1165.0059	21	**G**	12	1313.7616	657.3844
2426.0574	1213.5323	22	**P**	11	1256.7402	628.8737
2513.0894	1257.0483	23	**S**	10	1159.6874	580.3473
2612.1578	1306.5825	24	**V**	9	1072.6554	536.8313
2759.2262	1380.1167	25	**F**	8	973.5870	487.2971
2872.3103	1436.6588	26	**L**	7	826.5185	413.7629
3019.3787	1510.1930	27	**F**	6	713.4345	357.2209
3116.4315	1558.7194	28	**P**	5	566.3661	283.6867
3213.4842	1607.2458	29	**P**	4	469.3133	235.1603
3341.5792	1671.2932	30	**K**	3	372.2605	186.6339
3438.6320	1719.8196	31	**P**	2	244.1656	122.5864
---	---	32	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)DKTHTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPELLGGPSVFLFPPKPK^{+5}



Max Intensity: **17.2**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **92.3%** Matched Series Intensity: **91.7%**



Sequence: SYC(Carbamidomethyl)DKTHTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPEL
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 5 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C159 H242 N39 O44 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)	MH^{+5}(av)	MH^{+5}(mono)
3499.6276	3497.7055	1750.3175	1749.3564	1167.2142	1166.5733	875.6625	875.1818	700.7315	700.3469

[–] **Peak Matches**

169.0909	199.0990	223.1056	227.0997	244.1488	251.1049	294.2290	310.2311	323.2024	326.2328
SV-H_2O(-37) AP(-37) PA(-37)	PE-28(-44)	a_2(-9.5)	DK-NH_3(-13) PE(-13) y_2-NH_3(-173)	DK(80) y_2(-69)	b_2(9.0)			GPSV-H_2O(96) PPK(-17) PKP(-17)	
340.1819	**352.2330**	**355.2501**	**357.2220**	**369.2359**	**391.1710**	**425.2622**	**433.1872**	**455.5169**	**472.8515**
THT(60) PEL(-14)		a_6-H_2O^{+2}(275) y_3-NH_3(45)	y_6^{+2}(3.2)	b_6-H_2O^{+2}(233)		PELL-28(-32)			
503.1813	**535.5330**	**559.2098**	**566.3447**	**608.3356**	**664.3601**	**672.2625**	**682.3310**	**685.8632**	**699.9721**
b_{12}^{+3}(-31)	b_{13}^{+3}(-28)	b_{14}^{+3}(-31)	DKTHT-NH_3(155) LFPPK-NH_3(19) SVFLF-28(19) y_5(-38)	a_5-H_2O(141) y_{17}^{+3}(-30)	PELLGGP(-9.6) y_{19}^{+3}(-35)	b_{17}^{+3}(-36)	y_{25}-NH_3^{+4}(-30)	y_{13}^{+2}(-47)	
700.3764	**708.7515**	**713.4228**	**742.4222**	**754.2664**	**798.9625**	**838.3009**	**911.9905**	**951.3592**	**1007.8876**
MH^{+5}(42)		TC(Carbamidomethyl)PPC(Carbamidomethyl)P(208) FLFPPK-NH_3(29) y_6(-16)	b_{20}-NH_3^{+3}(137) y_{14}^{+2}(-20)	b_{12}^{+2}(-34)	y_{15}^{+2}(-21)	b_{14}^{+2}(-43) C(Carbamidomethyl)PAPELLG(-133)	y_{17}^{+2}(-40)	THTC(Carbamidomethyl)PPC(Carbamidomethyl)P(-23) b_{16}^{+2}(-26)	b_{17}^{+2}(-39)

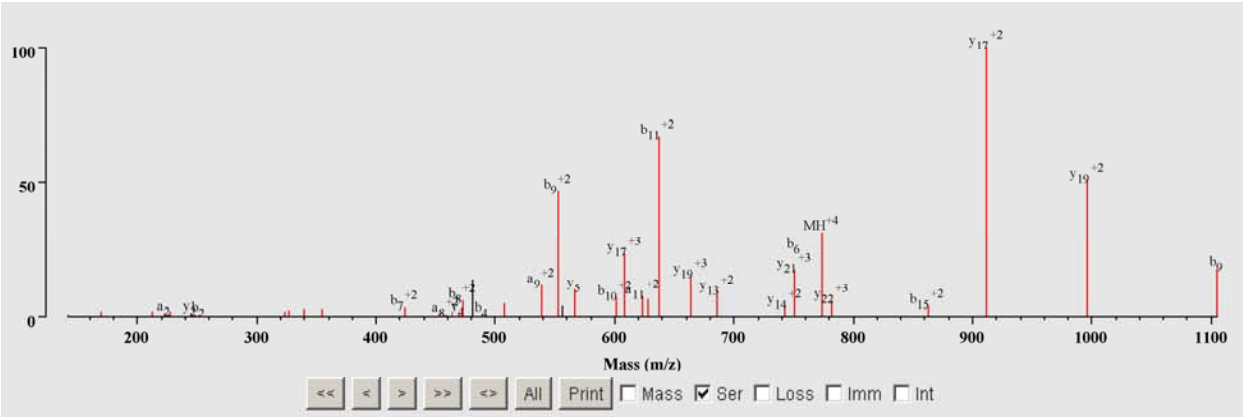
[–] **Main Sequence Ions**

b	b^{+2}				y	y^{+2}
---	---	1	**S**	31	---	---
251.1026	---	2	**Y**	30	3410.6734	1705.8403
411.1333	---	3	**C(Carbamidomethyl)**	29	3247.6101	1624.3087
526.1602	---	4	**D**	28	3087.5794	1544.2934
654.2552	327.6312	5	**K**	27	2972.5525	1486.7799
755.3029	378.1551	6	**T**	26	2844.4575	1422.7324
892.3618	446.6845	7	**H**	25	2743.4099	1372.2086
993.4095	497.2084	8	**T**	24	2606.3509	1303.6791
1153.4401	577.2237	9	**C(Carbamidomethyl)**	23	2505.3033	1253.1553
1250.4929	625.7501	10	**P**	22	2345.2726	1173.1399

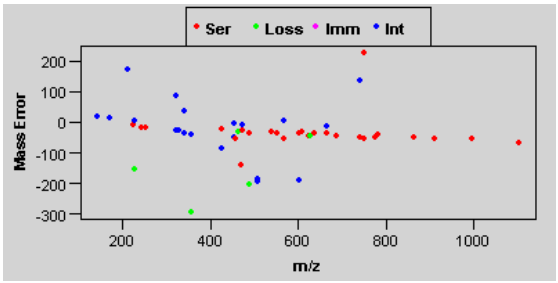
1347.5456	674.2765	11	**P**	21	2248.2199	1124.6136
1507.5763	754.2918	12	**C(Carbamidomethyl)**	20	2151.1671	1076.0872
1604.6290	802.8182	13	**P**	19	1991.1364	996.0719
1675.6662	838.3367	14	**A**	18	1894.0837	947.5455
1772.7189	886.8631	15	**P**	17	1823.0466	912.0269
1901.7615	951.3844	16	**E**	16	1725.9938	863.5005
2014.8456	1007.9264	17	**L**	15	1596.9512	798.9792
2127.9296	1064.4685	18	**L**	14	1483.8671	742.4372
2184.9511	1092.9792	19	**G**	13	1370.7831	685.8952
2241.9726	1121.4899	20	**G**	12	1313.7616	657.3844
2339.0253	1170.0163	21	**P**	11	1256.7402	628.8737
2426.0574	1213.5323	22	**S**	10	1159.6874	580.3473
2525.1258	1263.0665	23	**V**	9	1072.6554	536.8313
2672.1942	1336.6007	24	**F**	8	973.5870	487.2971
2785.2783	1393.1428	25	**L**	7	826.5185	413.7629
2932.3467	1466.6770	26	**F**	6	713.4345	357.2209
3029.3994	1515.2034	27	**P**	5	566.3661	283.6867
3126.4522	1563.7297	28	**P**	4	469.3133	235.1603
3254.5472	1627.7772	29	**K**	3	372.2605	186.6339
3351.5999	1676.3036	30	**P**	2	244.1656	122.5864
---	---	31	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTHTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPELLGGPSVFLFPPKPK^{+4}



Max Intensity: **691**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **96.4%** Matched Series Intensity: **96.2%**



Sequence: SYTHTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPELLGGPSVFLFPPKPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C144 H217 N34 O38 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
3096.3327	3094.5529	1548.6700	1547.7801	1032.7825	1032.1891	774.8387	774.3937

[–] Peak Matches

141.1047	169.0991	212.1390	223.1055	227.1038	244.1611	251.0976	323.1993	327.1396	340.1745
PA-28(17) AP-28(17)	SV-H_2O(12) AP(12) PA(12)	GGP(170)	a_2(-9.9)	PE(5.1) y_2-NH_3(-155)	y_2(-18)	b_2(-20)	GPSV-H_2O(86) PPK(-26) PKP(-26)	C(Carbamidomethyl)PP-28(-27) PPC(Carbamidomethyl)-28(-27) PC(Carbamidomethyl)P-28(-27)	THT(38) PEL(-36)
355.1295	**424.1638**	**453.2478**	**458.6776**	**463.6790**	**469.2486**	**472.1929**	**472.6865**	**481.1993**	**489.1913**
C(Carbamidomethyl)PP(-39) PPC(Carbamidomethyl)(-39) PC(Carbamidomethyl)P(-39) y_3-NH_3(-294)	b_7^{+2}(-24) PPC(Carbamidomethyl)P-28(-88)	FPPK-NH_3(-4.0) PELL(-51)	a_8^{+2}(-55)	b_8-H_2O^{+2}(-34)	y_4(-138)	THTC(Carbamidomethyl)-28(-9.3)	b_8^{+2}(-29)		b_4(-37) y_{14}-H_2O^{+3}(-202)
507.1976	**538.7013**	**552.6945**	**555.7177**	**566.3356**	**601.2193**	**608.3337**	**622.7353**	**627.7258**	**636.7370**
LLGGPS-H_2O(-187) VFLF(-195)	a_9^{+2}(-31)	b_9^{+2}(-38)		LFPPK-NH_3(3.4) SVFLF-28(3.4) y_5(-54)	b_{10}^{+2}(-38) GPSVFL(-191)	y_{17}^{+3}(-33)	a_{11}^{+2}(-44)	b_{11}-H_2O^{+2}(-47)	b_{11}^{+2}(-37)
664.3581	**685.8652**	**742.3987**	**750.2477**	**774.3535**	**782.3977**	**862.8483**	**911.9779**	**996.0159**	**1104.3472**
PELLGGP(-13) y_{19}^{+3}(-38)	y_{13}^{+2}(-44)	YTHTC(Carbamidomethyl)P-H_2O(136) y_{14}^{+2}(-52)	y_{21}^{+3}(226) b_6(-53)	MH^{+4}(-52)	y_{22}^{+3}(-40)	b_{15}^{+2}(-51)	y_{17}^{+2}(-54)	y_{19}^{+2}(-56)	b_9(-69)

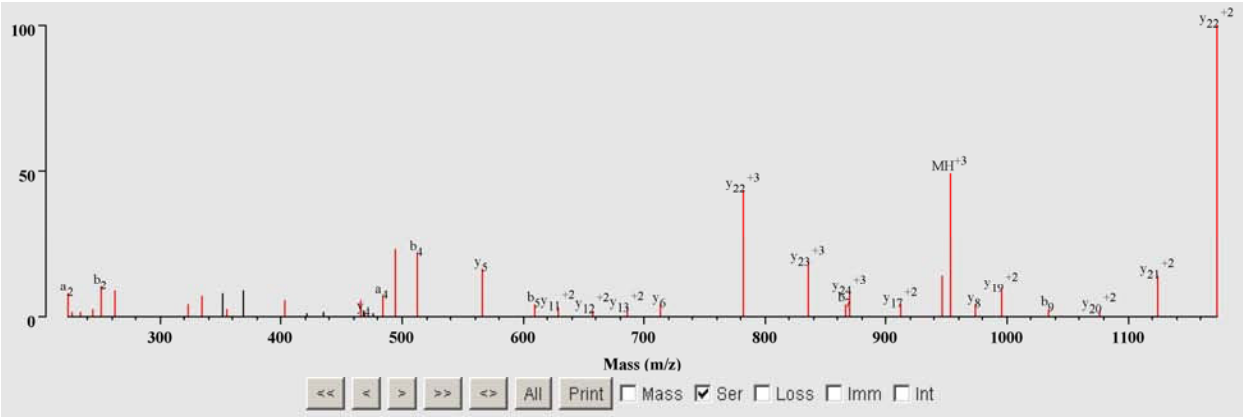
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	28	---	---
251.1026	---	2	Y	27	3007.5209	1504.2641
352.1503	---	3	T	26	2844.4575	1422.7324
489.2092	245.1083	4	H	25	2743.4099	1372.2086
590.2569	295.6321	5	T	24	2606.3509	1303.6791
750.2876	375.6474	6	C(Carbamidomethyl)	23	2505.3033	1253.1553
847.3403	424.1738	7	P	22	2345.2726	1173.1399
944.3931	472.7002	8	P	21	2248.2199	1124.6136
1104.4237	552.7155	9	C(Carbamidomethyl)	20	2151.1671	1076.0872
		10		19		

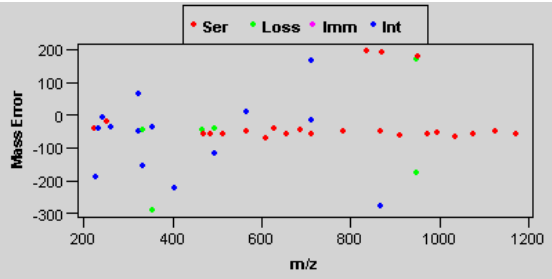
1201.4765	601.2419		**P**		1991.1364	996.0719
1272.5136	636.7604	11	**A**	18	1894.0837	947.5455
1369.5664	685.2868	12	**P**	17	1823.0466	912.0269
1498.6090	749.8081	13	**E**	16	1725.9938	863.5005
1611.6930	806.3502	14	**L**	15	1596.9512	798.9792
1724.7771	862.8922	15	**L**	14	1483.8671	742.4372
1781.7986	891.4029	16	**G**	13	1370.7831	685.8952
1838.8200	919.9136	17	**G**	12	1313.7616	657.3844
1935.8728	968.4400	18	**P**	11	1256.7402	628.8737
2022.9048	1011.9560	19	**S**	10	1159.6874	580.3473
2121.9732	1061.4902	20	**V**	9	1072.6554	536.8313
2269.0416	1135.0245	21	**F**	8	973.5870	487.2971
2382.1257	1191.5665	22	**L**	7	826.5185	413.7629
2529.1941	1265.1007	23	**F**	6	713.4345	357.2209
2626.2469	1313.6271	24	**P**	5	566.3661	283.6867
2723.2996	1362.1535	25	**P**	4	469.3133	235.1603
2851.3946	1426.2009	26	**K**	3	372.2605	186.6339
2948.4474	1474.7273	27	**P**	2	244.1656	122.5864
---	---	28	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPELLGGPSVFLFPPKPK^{+3}



Max Intensity: **93.0**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.8%** Matched Series Intensity: **93.9%**



Sequence: SYTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPELLGGPSVFLFPPKPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C134 H203 N30 O35 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2858.0849	2856.4463	1429.5462	1428.7268	953.3666	952.8203

[–] Peak Matches

223.0985	227.0598	234.0810	244.0734	251.0974	262.0753	323.1922	334.1242	351.1522	355.1306
a_2(-41)	PE(-189)	TC(Carbamidomethyl)-28(-41)	TC(Carbamidomethyl)-H_2O(-6.7)	b_2(-21)	TC(Carbamidomethyl)(-39)	GPSV-H_2O(64) PKP(-48) PPK(-48)	b_3-H_2O(-47) SVF(-155)		PPC(Carbamidomethyl)(-36) PC(Carbamidomethyl)P(-36) C(Carbamidomethyl)PP(-36) y_3-NH_3(-291)
369.1595	**403.1431**	**421.1581**	**435.1059**	**466.1542**	**468.1281**	**469.2857**	**476.1375**	**484.1587**	**494.1489**
	PPKP-NH_3(-225) PSVF-28(-225)			a_4-H_2O(-46)		y_4(-59)		a_4(-56)	b_4-H_2O(-43) YTC(Carbamidomethyl)P-28(-117)
512.1520	**566.3380**	**609.1902**	**628.8483**	**657.3462**	**685.8632**	**713.3924**	**782.3918**	**835.9362**	**866.2740**
b_4(-57)	LFPPK-NH_3(7.6) SVFLF-28(7.6) y_5(-50)	b_5(-71)	y_{11}^{+2}(-40)	y_{12}^{+2}(-58)	y_{13}^{+2}(-47)	TC(Carbamidomethyl)PPC(Carbamidomethyl)P(165) FLFPPK-NH_3(-14) y_6(-59)	y_{22}^{+3}(-48)	y_{23}^{+3}(196)	b_7(-50) LLGGPSVFL-H_2O(-276)
869.6214	**911.9716**	**946.9769**	**952.9887**	**973.5315**	**996.0189**	**1034.3394**	**1076.0265**	**1124.5590**	**1173.0726**
y_{24}^{+3}(191)	y_{17}^{+2}(-61)	MH-H_2O^{+3}(169) MH-NH_3^{+3}(-177)	MH^{+3}(177)	y_8(-57)	y_{19}^{+2}(-53)	b_9(-65)	y_{20}^{+2}(-56)	y_{21}^{+2}(-49)	y_{22}^{+2}(-57)

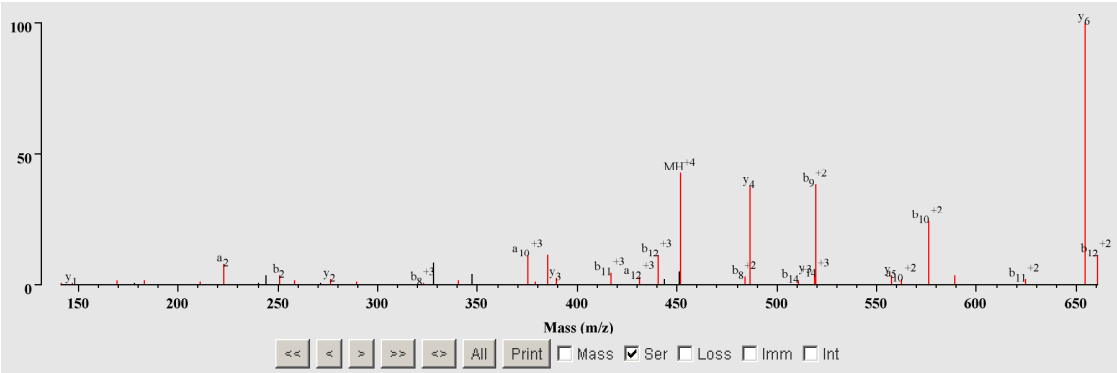
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	26	---	---
251.1026	---	2	**Y**	25	2769.4143	1385.2108
352.1503	---	3	**T**	24	2606.3509	1303.6791
512.1810	---	4	**C(Carbamidomethyl)**	23	2505.3033	1253.1553
609.2337	---	5	**P**	22	2345.2726	1173.1399
706.2865	---	6	**P**	21	2248.2199	1124.6136
866.3171	---	7	**C(Carbamidomethyl)**	20	2151.1671	1076.0872
963.3699	---	8	**P**	19	1991.1364	996.0719
1034.4070	---	9	**A**	18	1894.0837	947.5455
1131.4598	---	10	**P**	17	1823.0466	912.0269
1260.5024	---	11	**E**	16	1725.9938	863.5005
1373.5864	---	12	**L**	15	1596.9512	798.9792
1486.6705	---	13	**L**	14	1483.8671	742.4372
1543.6920	---	14	**G**	13	1370.7831	685.8952

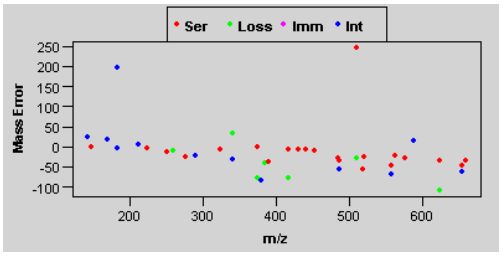
1600.7134	---	15	**G**	12	1313.7616	657.3844
1697.7662	---	16	**P**	11	1256.7402	628.8737
1784.7982	---	17	**S**	10	1159.6874	580.3473
1883.8666	---	18	**V**	9	1072.6554	536.8313
2030.9350	---	19	**F**	8	973.5870	487.2971
2144.0191	---	20	**L**	7	826.5185	413.7629
2291.0875	---	21	**F**	6	713.4345	357.2209
2388.1403	---	22	**P**	5	566.3661	283.6867
2485.1931	---	23	**P**	4	469.3133	235.1603
2613.2880	1307.1476	24	**K**	3	372.2605	186.6339
2710.3408	1355.6740	25	**P**	2	244.1656	122.5864
---	---	26	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)KVSNKALPAPIEK^{+4}



Max Intensity: **1591**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **93.4%** Matched Series Intensity: **92.4%**



Sequence: SYC(Carbamidomethyl)KVSNKALPAPIEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H134 N21 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1805.9821	1804.9626	903.4947	902.9849	602.6656	602.3257	452.2511	451.9961

[–] Peak Matches

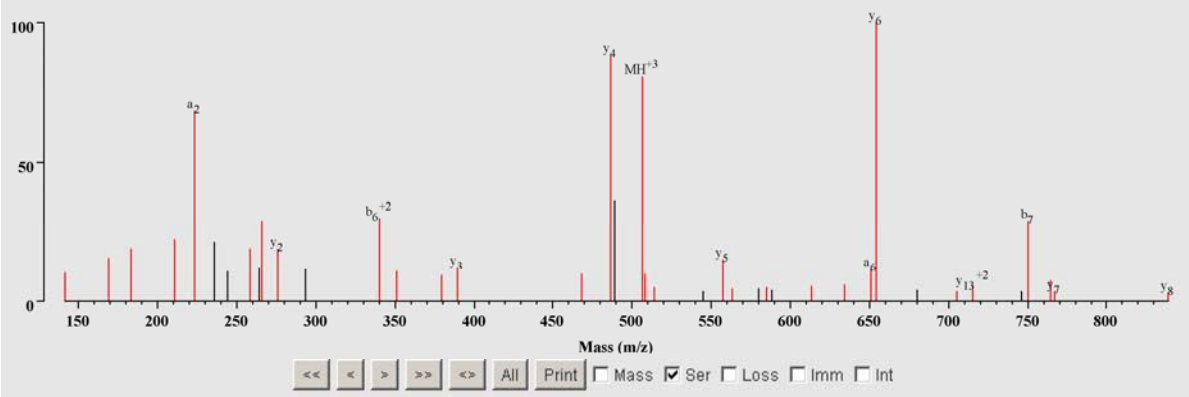
141.1058	147.1129	169.1003	178.0793	183.1486	211.1450	223.1069	240.1335	244.1552	251.0991
AP-28(25) PA-28(25)	y_1(0.65)	VS-H_2O(19) AP(19) PA(19)		KA-NH_3(195) PI-28(-3.2) LP-28(-3.2)	LP(4.2) PI(4.2) KV-NH_3(4.2)	a_2(-3.7)			b_2(-14)
258.1419	**271.1201**	**276.1482**	**289.1265**	**323.1585**	**328.1931**	**340.1762**	**347.1761**	**375.2027**	**379.2021**
y_2-H_2O(-11)		y_2(-26)	C(Carbamidomethyl)K(-22)	b_8^{+3}(-5.8)		a_6-H_2O^{+2}(32) PIE(-31)		a_{10}^{+3}(0.63) y_7-H_2O^{+2}(-77)	LPAP(-84) PAPI(-84)
385.2000	**389.2242**	**416.8826**	**431.2290**	**440.5605**	**443.7025**	**451.2394**	**451.9915**	**484.2224**	**486.2758**
y_{14}-NH_3^{+4}(-41)	y_3(-39)	b_{11}^{+3}(-5.8) y_{12}-H_2O^{+3}(-78)	a_{12}^{+3}(-7.9)	b_{12}^{+3}(-8.1)			MH^{+4}(-10)	b_8^{+2}(-30)	y_4(-34) SNKAL-28(-57)
510.7352	**518.9320**	**519.7421**	**557.3028**	**562.2869**	**576.2814**	**589.2849**	**624.8011**	**654.3514**	**660.3201**
b_{14}^{+3}(246) b_9-H_2O^{+2}(-29)	y_{14}^{+3}(-55)	b_9^{+2}(-26)	y_5(-48) KVSNK(-68)	a_{10}^{+2}(-23)	b_{10}^{+2}(-28)	C(Carbamidomethyl)KVSN(15)	b_{11}^{+2}(-36) y_{12}-H_2O^{+2}(-109)	y_6(-47) SNKALPA-28(-64)	b_{12}^{+2}(-34)

[–] Main Sequence Ions

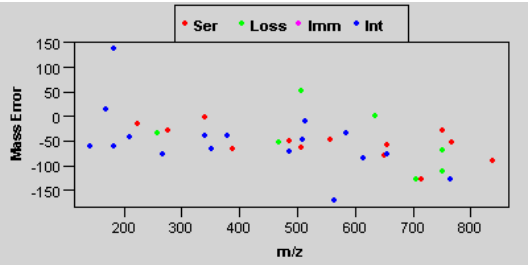
b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1717.9306	859.4689
411.1333	---	3	C(Carbamidomethyl)	14	1554.8672	777.9373
539.2282	270.1178	4	K	13	1394.8366	697.9219
638.2967	319.6520	5	V	12	1266.7416	633.8744
725.3287	363.1680	6	S	11	1167.6732	584.3402
839.3716	420.1894	7	N	10	1080.6412	540.8242
967.4666	484.2369	8	K	9	966.5982	483.8028
1038.5037	519.7555	9	A	8	838.5033	419.7553
1151.5878	576.2975	10	L	7	767.4662	384.2367
1248.6405	624.8239	11	P	6	654.3821	327.6947
1319.6776	660.3425	12	A	5	557.3293	279.1683
1416.7304	708.8688	13	P	4	486.2922	243.6498
1529.8145	765.4109	14	I	3	389.2395	195.1234
1658.8571	829.9322	15	E	2	276.1554	138.5813
---	---	16	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVSNKALPAPIEK^{+3}



Max Intensity: **5.69**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **85.5%** Matched Series Intensity: **82.4%**



Sequence SYVSNKALPAPIEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H114 N17 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1517.7762	1516.8370	759.3918	758.9221	506.5970	506.2838

[–] **Peak Matches**

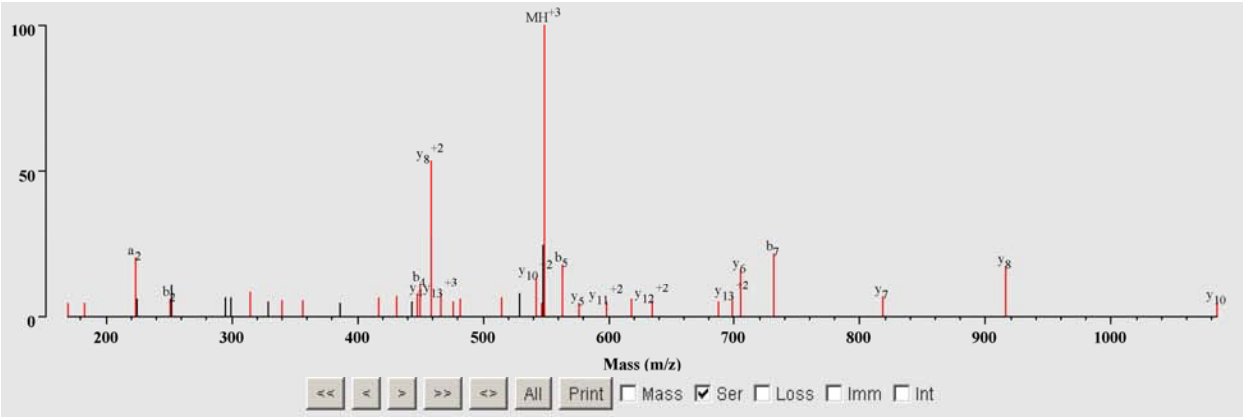
141.0938	169.0995	183.1381	211.1350	223.1042	236.1212	244.1444	258.1359	264.1092	266.1294
AP-28(-60) PA-28(-60)	VS-H_2O(14) AP(14) PA(14)	KA-NH_3(138) PI-28(-61) LP-28(-61)	PI(-43) LP(-43)	a_2(-16)			y_2-H_2O(-35)		PAP(-77)
276.1475	**293.1586**	**340.1731**	**351.2160**	**379.2189**	**389.2137**	**468.2571**	**486.2684**	**489.2761**	**506.2515**
y_2(-29)		b_6^{+2}(-3.0) PIE(-40)	PAPI-28(-66) LPAP-28(-66)	PAPI(-40) LPAP(-40)	y_3(-66)	y_4-H_2O(-52)	y_4(-49) SNKAL-28(-72)		a_5-NH_3(53) MH^{+3}(-64)
508.2529	**514.2938**	**545.2260**	**557.3025**	**563.2589**	**580.2463**	**585.3525**	**588.2549**	**613.3153**	**634.3209**
PAPIE(-47)	SNKAL(-8.9)		y_5(-48)	ALPAPI(-171)		VSNKAL-28(-33)		VSNKAL(-84)	a_6-NH_3(2.2)
651.2941	**654.3433**	**680.3103**	**705.2663**	**715.3148**	**746.3651**	**750.3562**	**764.3325**	**767.4256**	**838.4269**
a_6(-80)	y_6(-59) SNKALPA-28(-76)		a_7-NH_3(-128)	y_{13}^{+2}(-128)		b_2(-29) MH-NH_3^{+2}(-70) y_7-NH_3(-111)	VSNKALPA-NH_3(-128)	y_7(-53)	y_8(-91)

[–] **Main Sequence Ions**

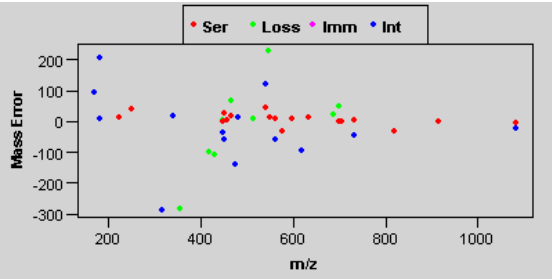
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1429.8049	715.4061
350.1710	---	3	V	12	1266.7416	633.8744
437.2031	---	4	S	11	1167.6732	584.3402
551.2460	---	5	N	10	1080.6412	540.8242
679.3410	340.1741	6	K	9	966.5982	483.8028
750.3781	375.6927	7	A	8	838.5033	419.7553
863.4621	432.2347	8	L	7	767.4662	384.2367
960.5149	480.7611	9	P	6	654.3821	327.6947
1031.5520	516.2796	10	A	5	557.3293	279.1683
1128.6048	564.8060	11	P	4	486.2922	243.6498
1241.6888	621.3481	12	I	3	389.2395	195.1234
1370.7314	685.8694	13	E	2	276.1554	138.5813
---	---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKALPAPIEKTISK^{+3}



Max Intensity: **13.9**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **83.9%** Matched Series Intensity: **79.4%**



Sequence SYKALPAPIEKTISK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C76 H129 N18 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1646.9797	1645.9523	823.9936	823.4798	549.6649	549.3223

[–] Peak Matches

169.1131	183.1508	223.1103	225.0000	251.1123	252.1571	295.1264	299.1606	315.1480	329.0919
PA(94) AP(94)	IS-H_2O(207) KA-NH_3(207) LP-28(8.8) PI-28(8.8)	a_2(12)		b_2(38)				KTI-28(-289)	
340.1921	**356.1080**	**386.1249**	**417.2131**	**431.2038**	**443.2288**	**448.2758**	**450.2456**	**458.2814**	**465.9653**
PIE(16)	y_{10}-NH_3^{+3}(-285)		y_{12}-H_2O^{+3}(-101)	y_4-NH_3(-107)		a_9-H_2O^{+2}(4.8) y_4(-1.7) YKAL-28(-36)	b_4(24) ALPAP(-57) PIEK-H_2O(-57)	y_8^{+2}(5.0)	b_{13}-NH_3^{+3}(67) y_{13}^{+3}(17)
476.2190	**481.3191**	**514.3122**	**529.2658**	**542.3477**	**546.4176**	**547.3091**	**549.3301**	**563.3232**	**576.3535**
YKAL(-142)	KALPA(12)	y_{14}-H_2O^{+3}(8.0)		EKTIS-NH_3(121) y_{10}^{+2}(44)	b_5-NH_3(229)		MH^{+3}(14)	b_5(7.9) ALPAPI(-57)	y_5(-31)
598.8709	**618.3015**	**634.3925**	**687.4171**	**698.4329**	**705.4132**	**731.4119**	**818.4705**	**915.5496**	**1083.6327**
y_{11}^{+2}(8.0)	PAPIEK-H_2O(-96)	y_{12}^{+2}(12)	y_6-H_2O(20)	b_{13}-NH_3^{+2}(50) y_{13}^{+2}(1.1)	y_6(-1.3)	b_7(4.4) LPAPIEK-H_2O(-45)	y_7(-34)	y_8(-1.5)	y_{10}(-7.5) YKALPAPIEK-28(-22)

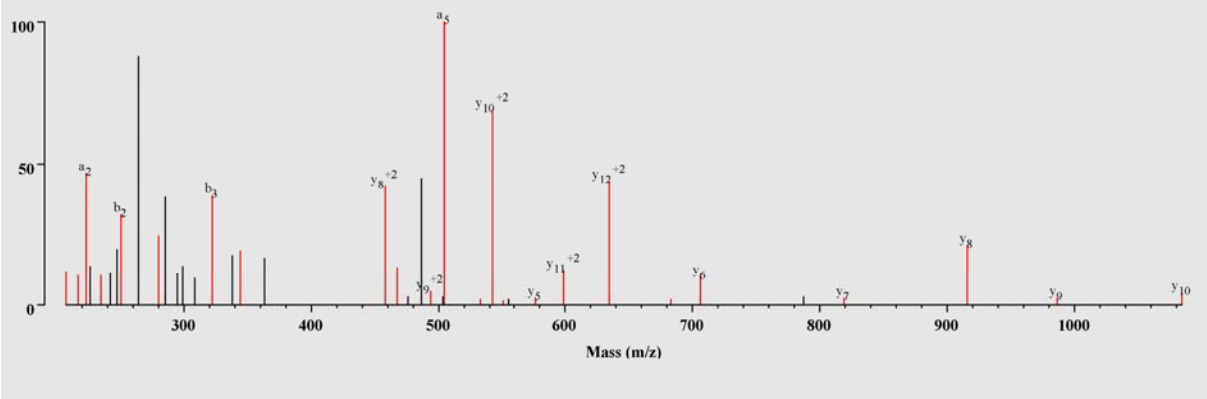
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 15	---	---
251.1026	---	2	Y 14	1558.9203	779.9638
379.1976	190.1024	3	K 13	1395.8570	698.4321
450.2347	225.6210	4	A 12	1267.7620	634.3846
563.3188	282.1630	5	L 11	1196.7249	598.8661
660.3715	330.6894	6	P 10	1083.6408	542.3241
731.4087	366.2080	7	A 9	986.5881	493.7977
828.4614	414.7343	8	P 8	915.5510	458.2791
941.5455	471.2764	9	I 7	818.4982	409.7527
1070.5881	535.7977	10	E 6	705.4141	353.2107
1198.6830	599.8452	11	K 5	576.3715	288.6894
1299.7307	650.3690	12	T 4	448.2766	224.6419
1412.8148	706.9110	13	I 3	347.2289	174.1181
1499.8468	750.4270	14	S 2	234.1448	117.5761

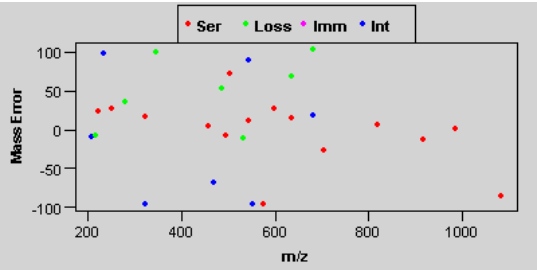
--- --- 15 **K** 1 147.1128 74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALPAPIEKTISK^{+3}



Max Intensity: **10.4**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **65.2%** Matched Series Intensity: **65.2%**



Sequence SYALPAPIEKTISK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C70 H117 N16 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1518.8045	1517.8574	759.9060	759.4323	506.9398	506.6240

[–] **Peak Matches**

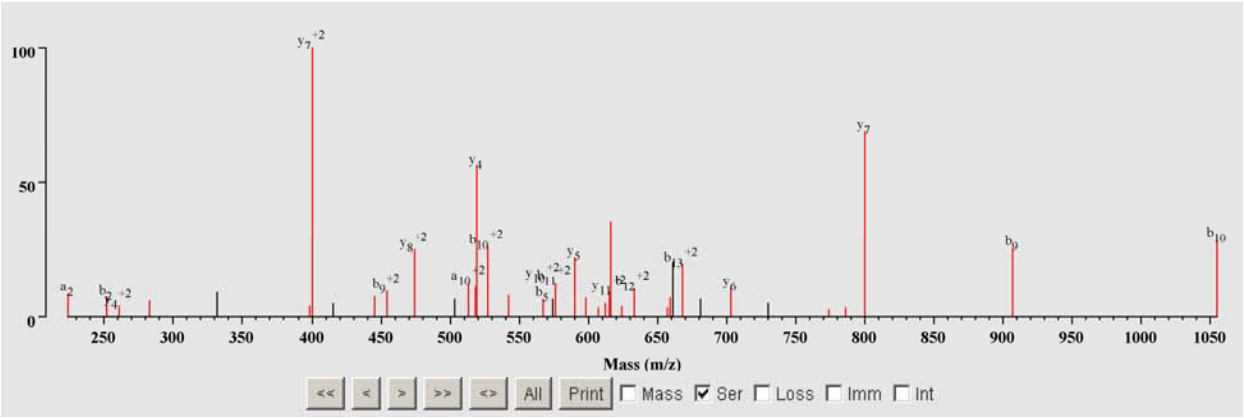
207.1108	217.1165	223.1131	226.1456	235.1307	242.1463	248.1309	251.1093	264.1211	280.1860
YA-28(-9.7)	y_2-NH_3(-8.2)	a_2(24)		YA(98)			b_2(27)		y_5-NH_3^{+2}(35)
285.1645	**295.1296**	**299.1475**	**309.1689**	**322.1451**	**338.2416**	**344.2396**	**363.2241**	**458.2814**	**468.2499**
				b_3(17) PIE-H_2O(-96)		y_6-H_2O^{+2}(99)		y_8^{+2}(5.0)	PIEK(-68)
476.2541	**486.2962**	**487.2964**	**493.7940**	**504.0248**	**504.3181**	**533.3122**	**542.3302**	**551.2660**	**555.2728**
	a_5-H_2O(52)		y_9^{+2}(-7.4)		a_5(72)	y_{10}-H_2O^{+2}(-12)	EKTIS-NH_3(89) y_{10}^{+2}(11)	PIEKT-H_2O(-96)	
576.3163	**598.8825**	**634.3940**	**682.4265**	**705.3956**	**787.4105**	**818.5030**	**915.5387**	**986.5895**	**1083.5485**
y_5(-96)	y_{11}^{+2}(27)	b_{12}-NH_3^{+2}(69) y_{12}^{+2}(15)	b_7-H_2O(103) PIEKTI(19)	y_6(-26)		y_7(5.9)	y_8(-13)	y_9(1.4)	y_{10}(-85)

[–] **Main Sequence Ions**

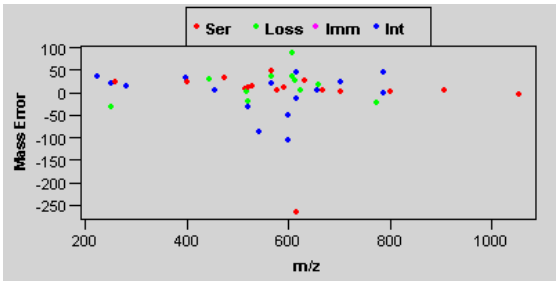
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1430.8253	715.9163
322.1397	---	3	A 12	1267.7620	634.3846
435.2238	---	4	L 11	1196.7249	598.8661
532.2766	---	5	P 10	1083.6408	542.3241
603.3137	---	6	A 9	986.5881	493.7977
700.3665	---	7	P 8	915.5510	458.2791
813.4505	---	8	I 7	818.4982	409.7527
942.4931	---	9	E 6	705.4141	353.2107
1070.5881	535.7977	10	K 5	576.3715	288.6894
1171.6358	586.3215	11	T 4	448.2766	224.6419
1284.7198	642.8635	12	I 3	347.2289	174.1181
1371.7518	686.3796	13	S 2	234.1448	117.5761
---	---	14	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTKGPSVFPLAPC(Carbamidomethyl)SR^{+3}



Max Intensity: **19.2**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **90.6%** Matched Series Intensity: **90.6%**



Sequence SYSTKGPSVFPLAPC(Carbamidomethyl)SR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C82 H129 N22 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1854.9705	1853.9214	927.9890	927.4644	618.9951	618.6453

[–] Peak Matches

223.1159	251.1078	260.1267	282.1855	331.1467	398.1615	400.7168	415.1666	445.2374	454.2324
a_2(37) YS-28(37)	b_2(21) YS(21) y_4-H_2O^{+2}(-31)	y_4^{+2}(23)	PLA(15) LAP(15)		APC(Carbamidomethyl)S-H_2O(31)	y_7^{+2}(22)		b_9-H_2O^{+2}(29)	STKGP-NH_3(6.1) b_9^{+2}(6.1) TKGPS-NH_3(6.1)
474.2570	**503.2518**	**513.7705**	**518.7591**	**519.2399**	**527.7711**	**542.2817**	**567.3043**	**574.3332**	**576.2921**
y_8^{+2}(32)		a_{10}^{+2}(8.0)	b_{10}-H_2O^{+2}(1.1)	y_4(11) b_{10}-NH_3^{+2}(-21) YSTKG-H_2O(-31)	b_{10}^{+2}(14)	TKGPSV-28(-88)	b_5(48) b_{11}-H_2O^{+2}(34) y_{10}^{+2}(21) GPSVFP-H_2O(21)		b_{11}^{+2}(3.3)
590.2774	**598.2712**	**607.3259**	**612.6573**	**615.6546**	**616.3358**	**623.8297**	**632.8488**	**657.3603**	**659.3563**
y_5(10.0)	PLAPC(Carbamidomethyl)S-28(-51) KGPSVF-H_2O(-106)	b_6-NH_3(88) y_{11}-NH_3^{+2}(34)	MH-H_2O^{+3}(25)	y_{11}^{+2}(-266)	YSTKGP-H_2O(44) KGPSVF(-15)	b_{12}-H_2O^{+2}(4.4)	b_{12}^{+2}(26)	STKGPSV(5.6)	b_{13}-H_2O^{+2}(16)
661.2775	**668.3538**	**680.8477**	**703.3561**	**730.3936**	**774.3650**	**786.4494**	**800.4096**	**907.4558**	**1054.5159**
	b_{13}^{+2}(4.5)		b_7-H_2O(22) YSTKGPS-H_2O(22) y_6(0.75)		a_{15}-NH_3^{+2}(-22)	STKGPSVF-H_2O(44) TKGPSVFP-28(-1.8)	y_7(1.6)	b_9(4.2)	b_{10}(-4.3)

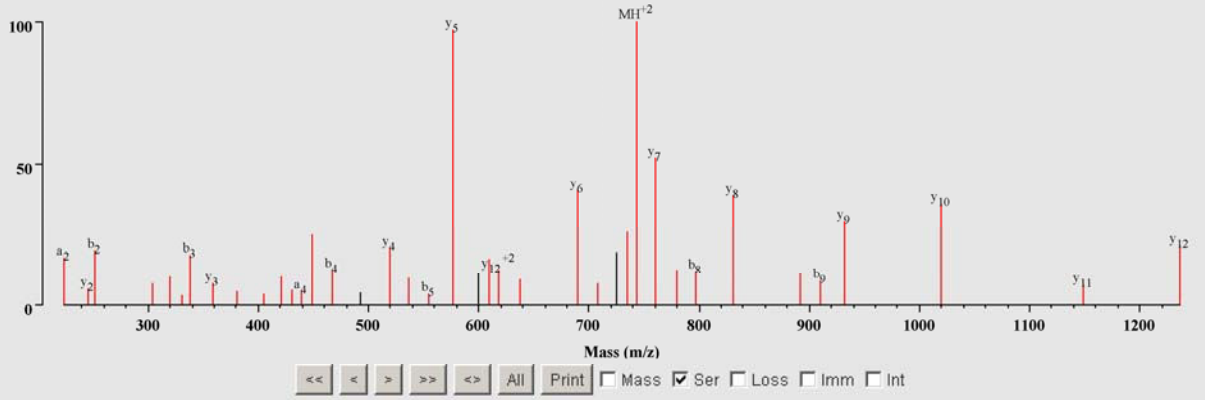
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1766.8894	883.9483
338.1347	---	3	S	15	1603.8261	802.4167
439.1823	---	4	T	14	1516.7941	758.9007
567.2773	284.1423	5	K	13	1415.7464	708.3768
624.2988	312.6530	6	G	12	1287.6514	644.3293
721.3515	361.1794	7	P	11	1230.6300	615.8186
808.3836	404.6954	8	S	10	1133.5772	567.2922
907.4520	454.2296	9	V	9	1046.5452	523.7762
1054.5204	527.7638	10	F	8	947.4767	474.2420
1151.5732	576.2902	11	P	7	800.4083	400.7078
1264.6572	632.8322	12	L	6	703.3556	352.1814
1335.6943	668.3508	13	A	5	590.2715	295.6394

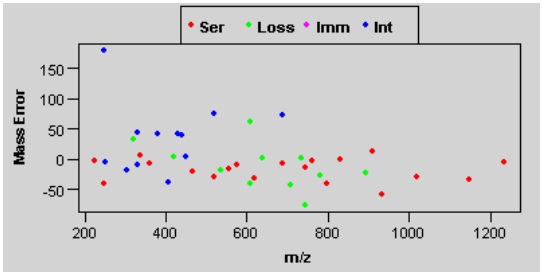
1432.7471	716.8772	14	**P**	4	519.2344	260.1208
1592.7777	796.8925	15	**C(Carbamidomethyl)**	3	422.1816	211.5945
1679.8098	840.4085	16	**S**	2	262.1510	131.5791
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSESTAALGC(Carbamidomethyl)LVK^{+2}



Max Intensity: **6.77**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **93.8%** Matched Series Intensity: **92.6%**



Sequence: SYSESTAALGC(Carbamidomethyl)LVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H105 N16 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1486.5289	1485.7254	743.7682	743.3663

[–] **Peak Matches**

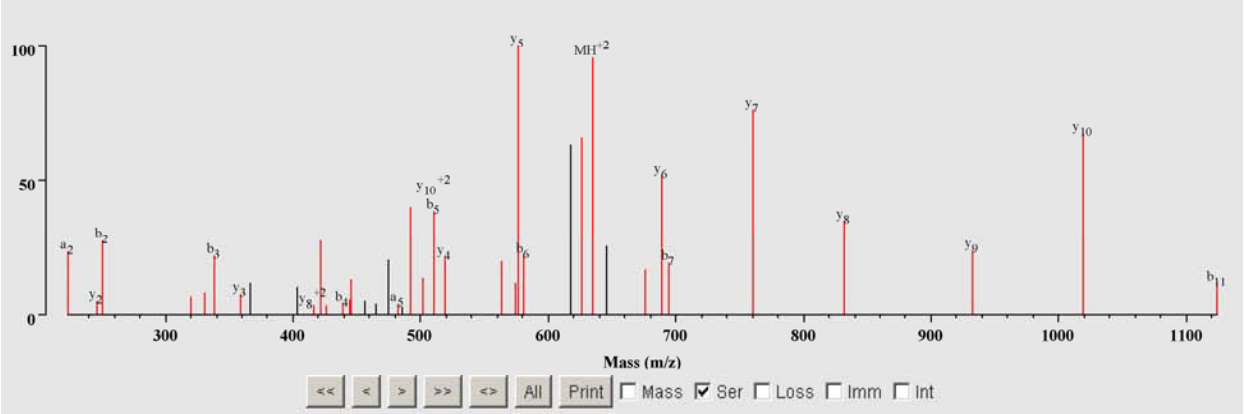
223.1071	246.1713	251.1017	304.1084	320.1345	331.1579	338.1365	359.2629	380.1617	405.1468
YS-28(-2.8) a_2(-2.8)	C(Carbamidomethyl)L-28(180) y_2(-40)	b_2(-3.7) YS(-3.7)	SES(-18)	b_3-H_2O(32)	GC(Carbamidomethyl)L(44) LGC(Carbamidomethyl)(44) STAA(-10.0)	b_3(5.4)	y_3(-6.6)	YSE(43)	SEST(-37)
421.1738	**430.2299**	**439.1999**	**449.1685**	**467.1680**	**492.2423**	**519.2801**	**536.1894**	**554.2004**	**576.3125**
a_4-H_2O(4.8)	GC(Carbamidomethyl)LV(42)	a_4(40) YSES-28(40)	b_4-H_2O(4.0) YSES-H_2O(4.0)	YSES(-20) b_4(-20)		SESTAA-28(75) y_4(-30)	b_5-H_2O(-17)	b_5(-16)	y_5(-8.5)
600.2847	**609.2892**	**618.2996**	**637.2472**	**689.3974**	**708.2528**	**725.3503**	**734.3626**	**742.8734**	**743.3558**
	a_6-H_2O(62) y_{12}-H_2O^{+2}(-40)	y_{12}^{+2}(-31)	b_6-H_2O(1.3)	SESTAALG-28(74) y_6(-5.9)	b_7-H_2O(-43)		MH-H_2O^{+2}(2.1)		MH^{+2}(-14) y_7-NH_3(-76)
760.4361	**779.2999**	**797.2989**	**831.4746**	**892.3850**	**910.4273**	**932.4696**	**1019.5249**	**1148.5605**	**1235.6252**
y_7(-3.3)	b_8-H_2O(-27)	b_8(-40)	y_8(-1.3)	b_9-H_2O(-22)	b_9(13)	y_9(-58)	y_{10}(-30)	y_{11}(-33)	y_{12}(-3.9)

[–] **Main Sequence Ions**

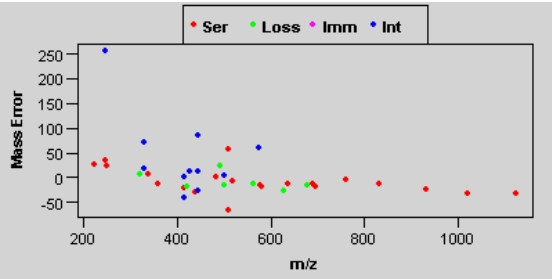
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1398.6933	699.8503
338.1347	3	S	12	1235.6300	618.3186
467.1773	4	E	11	1148.5980	574.8026
554.2093	5	S	10	1019.5554	510.2813
655.2570	6	T	9	932.5234	466.7653
726.2941	7	A	8	831.4757	416.2415
797.3312	8	A	7	760.4386	380.7229
910.4153	9	L	6	689.4015	345.2044
967.4367	10	G	5	576.3174	288.6623
1127.4674	11	C(Carbamidomethyl)	4	519.2959	260.1516
1240.5514	12	L	3	359.2653	180.1363
1339.6198	13	V	2	246.1812	123.5942
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTAALGC(Carbamidomethyl)LVK^{+2}



Max Intensity: **9.78**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **86.3%** Matched Series Intensity: **83.7%**



Sequence: SYSTAALGC(Carbamidomethyl)LVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H93 N14 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1270.3341	1269.6507	635.6707	635.3290

[–] Peak Matches

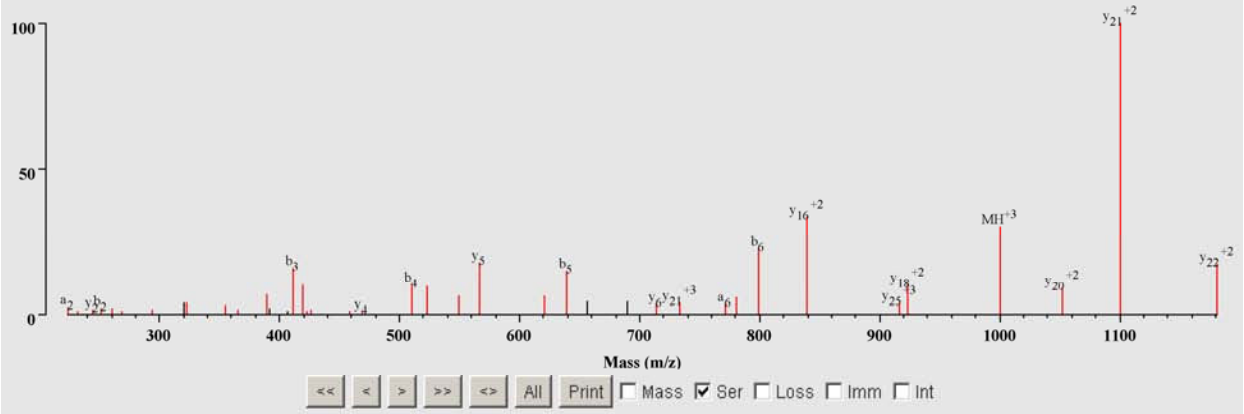
223.1137	246.1900	251.1085	320.1263	331.1668	338.1367	359.2611	366.1297	403.1678	416.2333
YS-28(27) a_2(27)	C(Carbamidomethyl)L-28(256) y_2(36)	YS(23) b_2(23)	b_3-H_2O(6.9)	GC(Carbamidomethyl)L(71) LGC(Carbamidomethyl)(71) STAA(17)	b_3(6.0)	y_3(-12)			LGC(Carbamidomethyl)L-28(1.7) y_8^{+2}(-20) STAAL-28(-41)
421.1636	**426.2401**	**439.1694**	**444.2333**	**445.2611**	**456.1888**	**465.1994**	**474.1971**	**482.2247**	**485.1677**
b_4-H_2O(-19)	STAAL-H_2O(13)	b_4(-29)	LGC(Carbamidomethyl)L(13) STAAL(-27)	AALGC(Carbamidomethyl)-28(86)				a_5(0.33)	
492.2201	**501.2687**	**510.2478**	**519.2916**	**563.2381**	**574.2994**	**576.3083**	**581.2465**	**617.3163**	**626.3074**
b_5-H_2O(23)	STAALG(3.9) y_{10}-H_2O^{+2}(-15)	b_5(56) y_{10}^{+2}(-66)	y_4(-8.3)	b_6-H_2O(-14)	TAALGC(Carbamidomethyl)(59)	y_5(-16)	b_6(-17)		MH-H_2O^{+2}(-26)
635.3205	**645.3185**	**676.3196**	**689.3918**	**694.3280**	**760.4356**	**831.4645**	**932.5014**	**1019.5241**	**1123.5099**
MH^{+2}(-13)		b_7-H_2O(-15)	y_6(-14)	b_7(-18)	y_7(-3.9)	y_8(-13)	y_9(-24)	y_{10}(-31)	b_{11}(-31)

[–] Main Sequence Ions

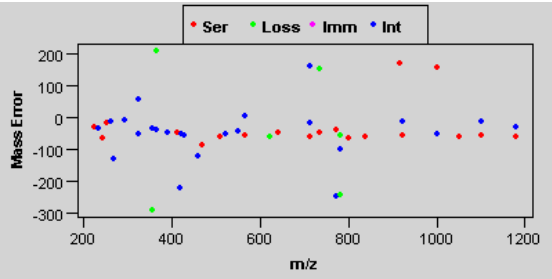
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1182.6187	591.8130
338.1347	3	S	10	1019.5554	510.2813
439.1823	4	T	9	932.5234	466.7653
510.2195	5	A	8	831.4757	416.2415
581.2566	6	A	7	760.4386	380.7229
694.3406	7	L	6	689.4015	345.2044
751.3621	8	G	5	576.3174	288.6623
911.3927	9	C(Carbamidomethyl)	4	519.2959	260.1516
1024.4768	10	L	3	359.2653	180.1363
1123.5452	11	V	2	246.1812	123.5942
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)VEC(Carbamidomethyl)PPC(Carbamidomethyl)PAPPVAGPSVFLFPPKPK^{+3}



Max Intensity: **70.3**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **95.7%** Matched Series Intensity: **95.3%**



Sequence: SYC(Carbamidomethyl)VEC(Carbamidomethyl)PPC(Carbamidomethyl)PAPPVAGF
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C139 H209 N32 O36 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
3000.1002	2998.4664	1500.5538	1499.7368	1000.7050	1000.1603

[–] Peak Matches

223.1014	232.1030	244.1503	251.0989	260.1026	268.1309	294.1787	320.1065	323.1905	355.1306
a_2(-28)	C(Carbamidomethyl)V-28 (-36)	y_2(-63)	b_2(-15)	C(Carbamidomethyl) V(-14)	PVA(-129)	PPV(-8.6)		GPSV-H_2O(59) PKP(-53) PPK(-53)	PC(Carbamidomethyl)P (-36) PPC(Carbamidomethyl) (-36) C(Carbamidomethyl)PP (-36) y_3-NH_3(-291)
365.2044	**389.1297**	**391.1841**	**406.1568**	**411.1135**	**419.1717**	**422.2173**	**426.1565**	**458.1505**	**469.2734**
a_3-H_2O(210) PPVA(-38) APPV(-38)	VEC(Carbamidomethyl)(-49) C(Carbamidomethyl)VE(-49)			b_3(-48)	SVFL-28(-223)	PPVAG(-53) PVAGP(-53)	PC (Carbamidomethyl) PA(-56) C(Carbamidomethyl) PAP(-56)	VEC(Carbamidomethyl)P-28(-123)	y_4(-85)
510.1707	**523.2067**	**549.1555**	**566.3357**	**621.1966**	**639.2142**	**656.2256**	**690.2199**	**713.3899**	**734.0371**
b_4(-61)	PC(Carbamidomethyl)PAP (-51) C(Carbamidomethyl)PAPP (-51) PPC(Carbamidomethyl)PA (-51)	C(Carbamidomethyl) VEC(Carbamidomethyl) (-44)	LFPPK-NH_3(3.5) SVFLF-28 (3.5) y_5(-54)	b_5-H_2O(-60)	b_5(-47)			EC(Carbamidomethyl)PPC (Carbamidomethyl)P-28 (162) FLFPPK-NH_3(-17) y_6(-62)	y_{14}-NH_3^{+2}(154) y_{21}^{+3}(-46)
771.2502	**781.2222**	**799.2220**	**839.4384**	**916.9526**	**923.4853**	**1000.3189**	**1052.0159**	**1100.5404**	**1180.5494**
a_6(-39) VAGPSVFL (-246)	b_6-H_2O(-54) YC(Carbamidomethyl) VEC(Carbamidomethyl)P-28(-101) y_{22}-H_2O^{+3}(-242)	b_6(-66)	y_{16}^{+2}(-61)	y_{25}^{+3}(172)	APPVAGPSVF (-14) y_{18}^{+2}(-54)	MH^{+3}(159) C(Carbamidomethyl)VEC (Carbamidomethyl)PPC (Carbamidomethyl)P(-50)	y_{20}^{+2}(-58)	PPC(Carbamidomethyl) PAPPVAGPS-28(-14) y_{21}^{+2}(-57)	C(Carbamidomethyl) PAPPVAGPSVF(-28) y_{22}^{+2}(-58)

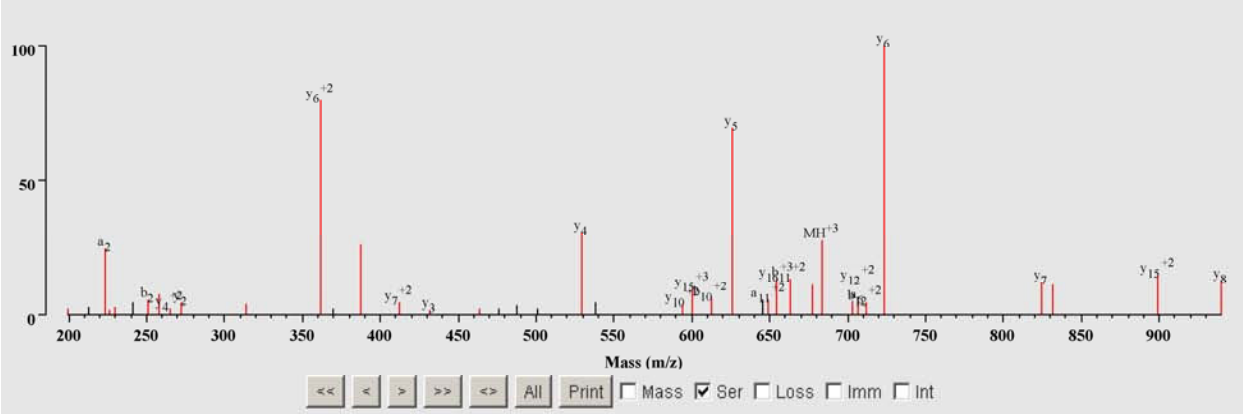
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	27	---	---
251.1026	---	2	**Y**	26	2911.4344	1456.2208
411.1333	---	3	**C(Carbamidomethyl)**	25	2748.3710	1374.6892
510.2017	---	4	**V**	24	2588.3404	1294.6738
639.2443	---	5	**E**	23	2489.2720	1245.1396
799.2749	---	6	**C(Carbamidomethyl)**	22	2360.2294	1180.6183
896.3277	---	7	**P**	21	2200.1987	1100.6030
993.3805	---	8	**P**	20	2103.1460	1052.0766

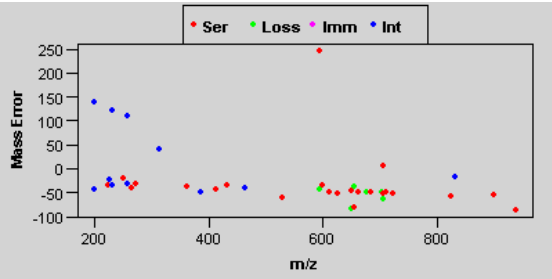
1153.4111	---	9	**C(Carbamidomethyl)**	19	2006.0932	1003.5502
1250.4639	---	10	**P**	18	1846.0626	923.5349
1321.5010	---	11	**A**	17	1749.0098	875.0085
1418.5538	---	12	**P**	16	1677.9727	839.4900
1515.6065	---	13	**P**	15	1580.9199	790.9636
1614.6749	---	14	**V**	14	1483.8671	742.4372
1685.7120	---	15	**A**	13	1384.7987	692.9030
1742.7335	---	16	**G**	12	1313.7616	657.3844
1839.7863	---	17	**P**	11	1256.7402	628.8737
1926.8183	---	18	**S**	10	1159.6874	580.3473
2025.8867	---	19	**V**	9	1072.6554	536.8313
2172.9551	---	20	**F**	8	973.5870	487.2971
2286.0392	---	21	**L**	7	826.5185	413.7629
2433.1076	---	22	**F**	6	713.4345	357.2209
2530.1604	---	23	**P**	5	566.3661	283.6867
2627.2131	---	24	**P**	4	469.3133	235.1603
2755.3081	1378.1577	25	**K**	3	372.2605	186.6339
2852.3609	1426.6841	26	**P**	2	244.1656	122.5864
---	---	27	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)PEPKSC(Carbamidomethyl)DTPPPC(Carbamidomethyl)PR^{+3}



Max Intensity: **310**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **95.0%** Matched Series Intensity: **94.7%**



Sequence: SYC(Carbamidomethyl)PEPKSC(Carbamidomethyl)DTPPPC(Carbamidomethyl)PR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C85 H131 N24 O29 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2048.8289	2047.8670	1024.9182	1024.4372	683.6146	683.2939

[–] Peak Matches

199.0990	213.0632	223.1000	226.1495	230.0874	241.0562	251.0974	258.0827	265.1206	272.1627
DT-H_2O(139) TP(-44) EP-28(-44) PE-28(-44) KS-NH_3(-44)		a_2(-35)	PK(-24)	SC(Carbamidomethyl)-H_2O (122) C(Carbamidomethyl)P-28(-36) PC(Carbamidomethyl)-28(-36)		b_2(-21)	C(Carbamidomethyl)D-H_2O(110) C(Carbamidomethyl)P(-31) PC(Carbamidomethyl)(-31)	y_4^{+2}(-40)	y_2(-33)
314.1473	**362.1705**	**370.0947**	**387.1142**	**412.6905**	**432.1872**	**464.1254**	**476.2284**	**487.6697**	**501.1920**
DTP(40)	y_6^{+2}(-37)		C(Carbamidomethyl)PE(-49)	y_7^{+2}(-42)	y_3(-35)	SC(Carbamidomethyl)DT(-41)			
529.2224	**538.1863**	**593.8989**	**599.9082**	**612.7060**	**626.2759**	**645.2172**	**649.2332**	**654.2295**	**663.2287**
y_4(-62)		y_{10}^{+2}(246) y_{15}-H_2O^{+3}(-44)	y_{15}^{+3}(-34)	b_{10}^{+2}(-50)	y_5(-51)		a_{11}^{+2}(-46) y_{11}-NH_3^{+2}(-83)	b_{11}-H_2O^{+2}(-39) y_{16}^{+3}(-82)	b_{11}^{+2}(-48)
677.2578	**683.2608**	**702.7477**	**706.2896**	**711.7529**	**723.3228**	**824.3601**	**831.3336**	**899.3405**	**939.3534**
MH-H_2O^{+3}(-48)	MH^{+3}(-48)	b_{12}-H_2O^{+2}(-48)	a_6(4.4) y_{12}^{+2}(-52) y_6-NH_3(-63)	b_{12}^{+2}(-48)	y_6(-52)	y_7(-59)	C(Carbamidomethyl)PEPKSC(Carbamidomethyl)-28(-18)	y_{15}^{+2}(-54)	y_8(-87)

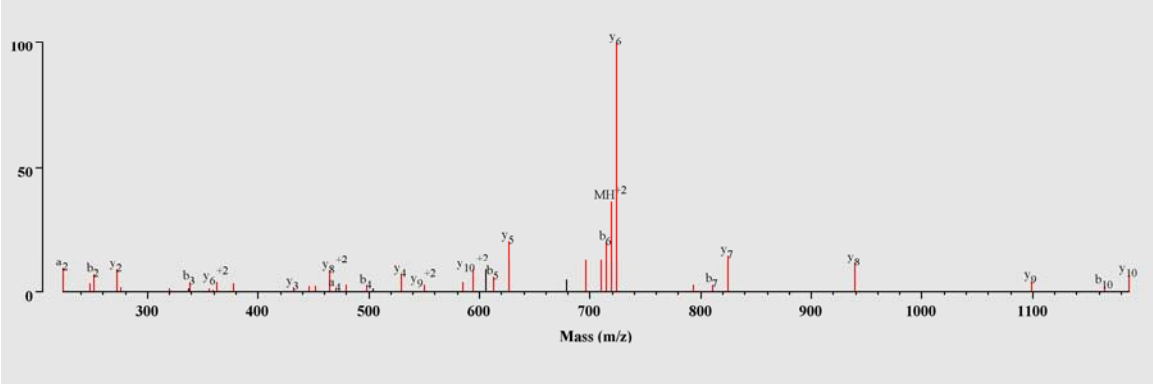
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	17	---	---
251.1026	---	2	**Y**	16	1960.8350	980.9211
411.1333	---	3	**C(Carbamidomethyl)**	15	1797.7717	899.3895
508.1860	---	4	**P**	14	1637.7410	819.3742
637.2286	---	5	**E**	13	1540.6883	770.8478
734.2814	---	6	**P**	12	1411.6457	706.3265
862.3764	431.6918	7	**K**	11	1314.5929	657.8001
949.4084	475.2078	8	**S**	10	1186.4980	593.7526
1109.4390	555.2232	9	**C(Carbamidomethyl)**	9	1099.4659	550.2366
1224.4660	612.7366	10	**D**	8	939.4353	470.2213
1325.5137	663.2605	11	**T**	7	824.4083	412.7078
1422.5664	711.7869	12	**P**	6	723.3607	362.1840
1519.6192	760.3132	13	**P**	5	626.3079	313.6576

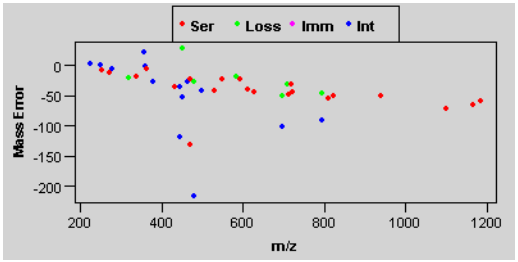
1616.6720	808.8396	14	**P**	4	529.2551	265.1312
1776.7026	888.8549	15	**C(Carbamidomethyl)**	3	432.2024	216.6048
1873.7554	937.3813	16	**P**	2	272.1717	136.5895
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)DTPPPC(Carbamidomethyl)PR^{+2}



Max Intensity: **695**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **95.6%** Matched Series Intensity: **94.8%**



Sequence SYSC(Carbamidomethyl)DTPPPC(Carbamidomethyl)PR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C59 H90 N17 O21 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1437.2720	1436.5933	719.1397	718.8003

[–] Peak Matches

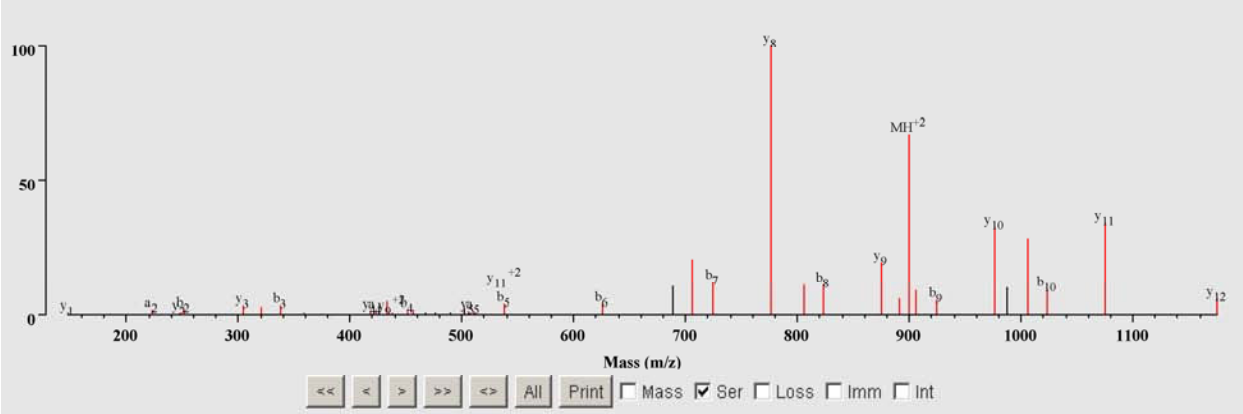
223.1084	248.0701	251.1006	272.1682	276.0633	320.1171	337.1356	338.1285	355.1509	359.1014
a_2(3.1) YS-28 (3.1)	C(Carbamidomethyl)D-28 (0.59) SC(Carbamidomethyl)(0.59)	YS(-8.1) b_2(-8.1)	y_2(-13)	C(Carbamidomethyl)D(-5.7)	b_3-H_2O(-22)		b_3(-18)	PPC(Carbamidomethyl)(21) PC(Carbamidomethyl)P(21)	C(Carbamidomethyl)DT-H_2O(-1.6)
362.1818	**377.1023**	**432.1865**	**446.1178**	**452.1726**	**464.1315**	**470.1592**	**480.1411**	**498.1442**	**504.1481**
y_6^{+2}(-6.0)	C(Carbamidomethyl)DT(-27)	y_3(-37)	SC(Carbamidomethyl)DT-H_2O(-36) C(Carbamidomethyl)DTP-28(-118)	a_4-H_2O(28) PPPC(Carbamidomethyl)(-52) PPC(Carbamidomethyl)P(-52)	SC(Carbamidomethyl)DT(-28)	a_4(-24) y_8^{+2}(-132)	b_4-H_2O(-28) DTPPP-28(-217)	b_4(-42) YSC(Carbamidomethyl)D-28(-42)	
529.2326	**550.2233**	**584.7359**	**593.7385**	**605.8038**	**613.1679**	**626.2804**	**678.1914**	**696.1941**	**709.7733**
y_4(-43)	y_9^{+2}(-24)	y_{10}-H_2O^{+2}(-20)	y_{10}^{+2}(-24)		b_5(-40)	y_5(-44)		b_6-H_2O(-51) YSC(Carbamidomethyl)DTP-28(-103)	MH-H_2O^{+2}(-31)
714.2049	**718.7772**	**723.3284**	**793.2456**	**811.2470**	**824.3670**	**939.3876**	**1099.3870**	**1165.3536**	**1186.4273**
b_6(-49)	MH^{+2}(-32)	y_6(-45)	b_7-H_2O(-46) YSC(Carbamidomethyl)DTPP-28(-92)	b_7(-56)	y_7(-50)	y_8(-51)	y_9(-72)	b_{10}(-65)	y_{10}(-60)

[–] Main Sequence Ions

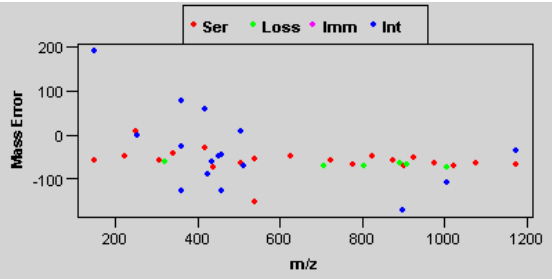
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1349.5613	675.2843
338.1347	3	S	10	1186.4980	593.7526
498.1653	4	C(Carbamidomethyl)	9	1099.4659	550.2366
613.1923	5	D	8	939.4353	470.2213
714.2399	6	T	7	824.4083	412.7078
811.2927	7	P	6	723.3607	362.1840
908.3455	8	P	5	626.3079	313.6576
1005.3982	9	P	4	529.2551	265.1312
1165.4289	10	C(Carbamidomethyl)	3	432.2024	216.6048
1262.4816	11	P	2	272.1717	136.5895
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLSSVVTVPSSSLGTK^{+2}



Max Intensity: **45.4**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.2%** Matched Series Intensity: **93.1%**



Sequence SYSLSSVVTVPSSSLGTK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C78 H132 N19 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1800.0282	1798.9433	900.5178	899.9753

[–] Peak Matches

147.1043	223.0971	248.1622	251.1019	305.1646	320.1048	338.1200	359.1834	418.2537	423.1862
SS-28(190) y_1(-58)	YS-28(-48) a_2(-48)	y_2(6.9)	b_2(-2.9) YS(-2.9)	y_3(-57)	b_3-H_2O(-60)	b_3(-43)	PSSS(76) SLGT(-25) SVVT-28(-127) LSSV-28(-127)	SSLGT-28(58) y_4(-29)	a_4(-89) YSLS-28(-89)
433.1813	**438.2127**	**451.1966**	**456.2241**	**467.1907**	**476.1664**	**490.2584**	**502.1947**	**505.2660**	**510.2198**
b_4-H_2O(-62) YSLS-H_2O(-62)	y_9^{+2}(-74)	b_4(-49) YSLS(-49)	SSVVT-H_2O(-46) SLSSV-H_2O(-46) VTVPS-28(-126)					SSSLGT-28(8.6) y_5(-63)	a_5(-71) YSLSS-28(-71)
538.2214	**625.2532**	**688.2843**	**706.2921**	**724.3082**	**776.3627**	**805.3525**	**823.3790**	**875.4315**	**890.9141**
YSLSS(-55) b_5(-55) y_{11}^{+2}(-152)	b_6(-47)		b_7-H_2O(-69)	b_7(-59)	y_8(-67)	b_8-H_2O(-70)	b_8(-49)	y_9(-59)	MH-H_2O^{+2}(-63)
899.3660	**899.9111**	**906.3956**	**924.4202**	**976.4689**	**987.4564**	**1005.4525**	**1023.4626**	**1075.5299**	**1174.5901**
VVTVPSSSLG-28(-171)	MH^{+2}(-71)	b_9-H_2O(-67)	b_9(-51)	y_{10}(-64)		b_{10}-H_2O(-72) YSLSSVVTVP-28(-108)	b_{10}(-71)	y_{11}(-65)	SSVVTVPSSSLGT-28(-35) y_{12}(-66)

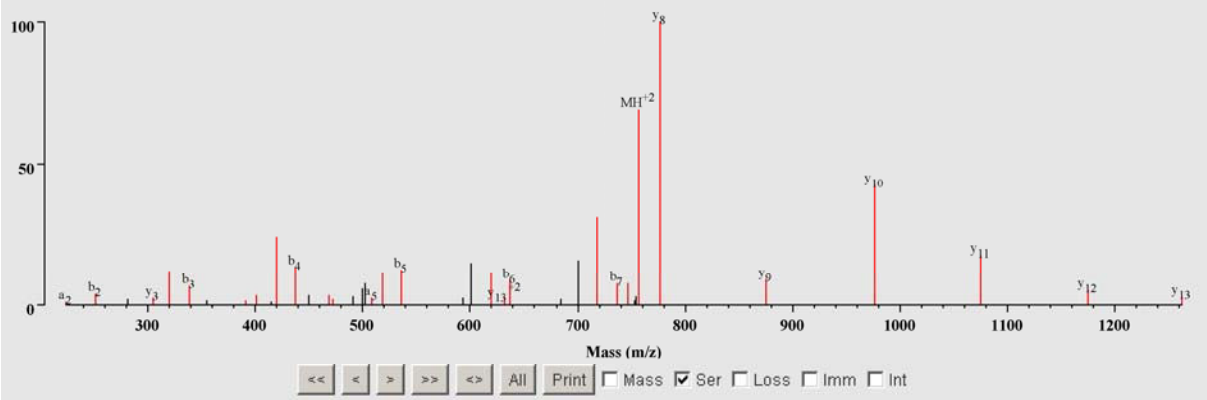
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1711.9113	856.4593
338.1347	3	S	1548.8479	774.9276
451.2187	4	L	1461.8159	731.4116
538.2508	5	S	1348.7318	674.8696
625.2828	6	S	1261.6998	631.3535
724.3512	7	V	1174.6678	587.8375
823.4196	8	V	1075.5994	538.3033
924.4673	9	T	976.5310	488.7691
1023.5357	10	V	875.4833	438.2453
1120.5885	11	P	776.4149	388.7111
1207.6205	12	S	679.3621	340.1847
1294.6525	13	S	592.3301	296.6687
1381.6846	14	S	505.2980	253.1527
1494.7686	15	L	418.2660	209.6366

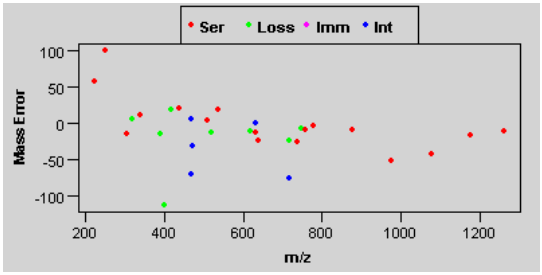
1551.7901	16	**G**	3	305.1819	153.0946
1652.8378	17	**T**	2	248.1605	124.5839
---	18	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVVTVPSSSLGTK^{+2}



Max Intensity: **6.71**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **86.3%** Matched Series Intensity: **83.7%**



Sequence: SYSVVTVPSSSLGTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H111 N16 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1512.7104	1511.7952	756.8589	756.4012

[–] Peak Matches

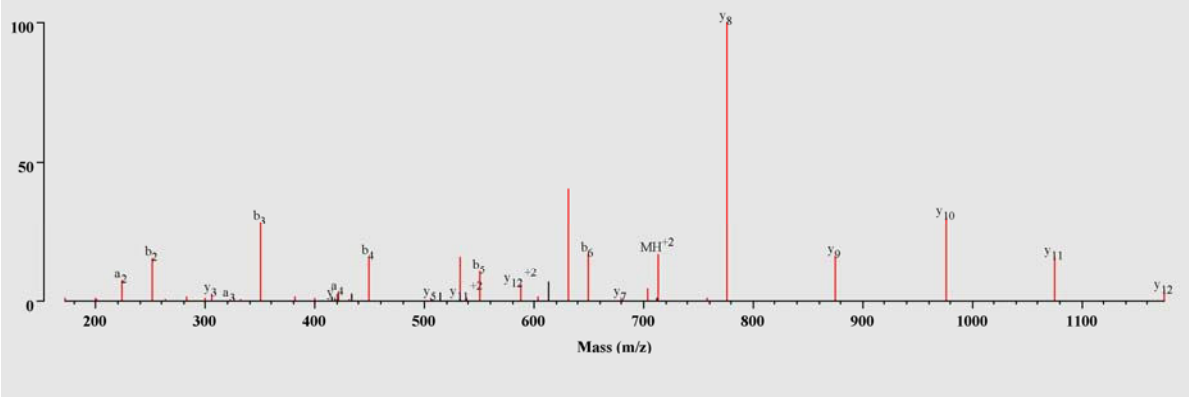
223.1208	251.1280	281.0635	305.1776	320.1263	338.1384	355.1990	391.1917	401.1940	415.0294
YS-28(59) a_2(59)	YS(101) b_2(101)		y_3(-14)	b_3-H_2O(6.9)	b_3(11)		a_4-H_2O(-15)	y_4-NH_3(-113)	
419.2004	**437.2122**	**450.2695**	**468.2846**	**472.2249**	**491.2422**	**500.2373**	**502.2289**	**508.2788**	**518.2549**
b_4-H_2O(19)	b_4(21)		SVVTV-H_2O(6.3) VVTVP-28(-71)	PSSSL(-32) TVPSS(-32)				a_5(4.4)	b_5-H_2O(-12)
536.2821	**593.3213**	**601.2915**	**619.3024**	**631.3456**	**637.3043**	**684.4113**	**700.3583**	**718.3596**	**736.3685**
b_5(20)			b_6-H_2O(-10)	YSVVTV-H_2O(0.97) y_{13}^{+2}(-13)	b_6(-23)			b_7-H_2O(-24) YSVVTVP-28(-75)	b_7(-26)
747.3905	**752.9530**	**754.3845**	**756.3951**	**776.4129**	**875.4755**	**976.4801**	**1075.5535**	**1174.6488**	**1261.6865**
MH-H_2O^{+2}(-7.3)			MH^{+2}(-8.1)	y_8(-2.5)	y_9(-8.9)	y_{10}(-52)	y_{11}(-43)	y_{12}(-16)	y_{13}(-11)

[–] Main Sequence Ions

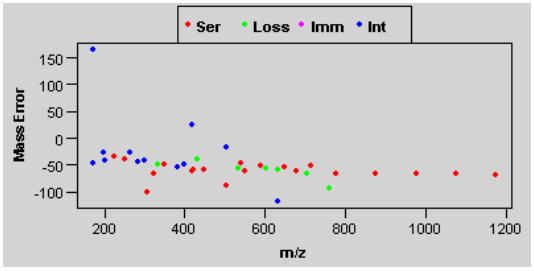
b			y	y^{+2}
---	1	S	15 ---	---
251.1026	2	Y	14 1424.7631	712.8852
338.1347	3	S	13 1261.6998	631.3535
437.2031	4	V	12 1174.6678	587.8375
536.2715	5	V	11 1075.5994	538.3033
637.3192	6	T	10 976.5310	488.7691
736.3876	7	V	9 875.4833	438.2453
833.4403	8	P	8 776.4149	388.7111
920.4724	9	S	7 679.3621	340.1847
1007.5044	10	S	6 592.3301	296.6687
1094.5364	11	S	5 505.2980	253.1527
1207.6205	12	L	4 418.2660	209.6366
1264.6420	13	G	3 305.1819	153.0946
1365.6896	14	T	2 248.1605	124.5839
---	15	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVVTVPSSSLGTK^{+2}



Max Intensity: **151**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **95.8%** Matched Series Intensity: **95.6%**



Sequence SYVVTVPSSSLGTK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C63 H106 N15 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1425.6317	1424.7631	713.3196	712.8852

[–] **Peak Matches**

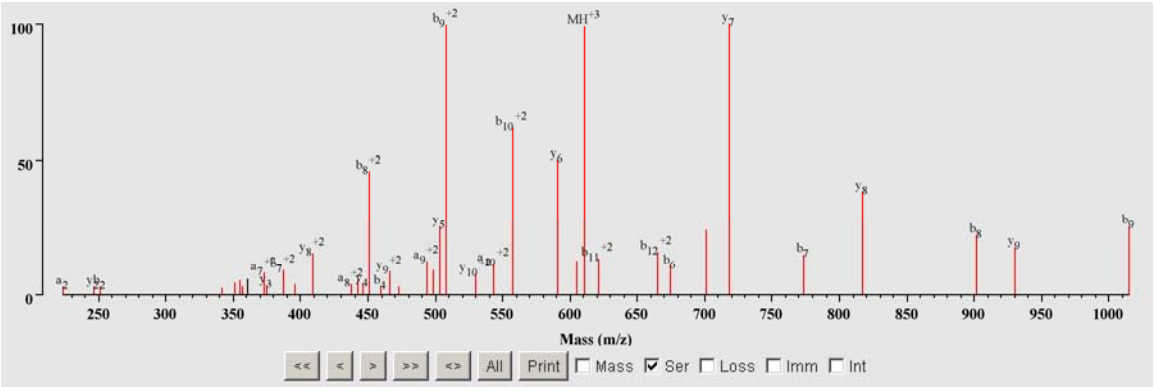
171.1411	199.1390	201.1151	223.1000	251.0929	263.1319	282.1687	300.1791	305.1513	322.1552
LG(165) VV-28(-47)	VV(-26)	TV(-41) y_4-NH_3^{+2}(-41) SL(-41) VT(-41)	a_2(-35)	b_2(-39)	YV(-27)	VTV-H_2O(-44) VVT-H_2O(-44)	VTV(-42) VVT(-42)	y_3(-100)	a_3(-65)
332.1447	**350.1544**	**381.2285**	**399.2401**	**415.1820**	**418.2402**	**421.2203**	**431.2119**	**433.1872**	**449.2127**
b_3-H_2O(-48)	b_3(-48)	VVTV-H_2O(-55)	VVTV(-50)		SSLGT-28(25) y_4(-62)	a_4(-58)	b_4-H_2O(-39)		b_4(-60)
505.2533	**514.2423**	**532.2464**	**538.2785**	**550.2538**	**587.8074**	**603.3158**	**613.3012**	**631.3070**	**649.3200**
SSSLGT-28(-17) y_5(-89)		b_5-H_2O(-57)	y_{11}^{+2}(-46)	b_5(-61)	y_{12}^{+2}(-51)	a_6-H_2O(-57)		b_6-H_2O(-60) YVVTVP-28(-118)	b_6(-55)
679.3208	**703.8344**	**712.3387**	**712.8491**	**758.3344**	**776.3627**	**875.4259**	**976.4659**	**1075.5268**	**1174.5869**
y_7(-61)	MH-H_2O^{+2}(-65)		MH^{+2}(-51)	y_8-H_2O(-92)	y_8(-67)	y_9(-66)	y_{10}(-67)	y_{11}(-67)	y_{12}(-69)

[–] **Main Sequence Ions**

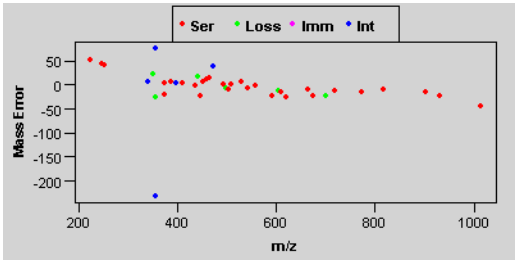
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1337.7311	669.3692
350.1710	3	V	12 1174.6678	587.8375
449.2395	4	V	11 1075.5994	538.3033
550.2871	5	T	10 976.5310	488.7691
649.3556	6	V	9 875.4833	438.2453
746.4083	7	P	8 776.4149	388.7111
833.4403	8	S	7 679.3621	340.1847
920.4724	9	S	6 592.3301	296.6687
1007.5044	10	S	5 505.2980	253.1527
1120.5885	11	L	4 418.2660	209.6366
1177.6099	12	G	3 305.1819	153.0946
1278.6576	13	T	2 248.1605	124.5839
---	14	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAHSQVQLVQSGAEVK^{+3}



Max Intensity: **29.5**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.3%** Matched Series Intensity: **99.1%**



Sequence SYAHSQVQLVQSGAEVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C79 H128 N23 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1832.0356	1830.9345	916.5215	915.9709	611.3501	610.9830

[–] **Peak Matches**

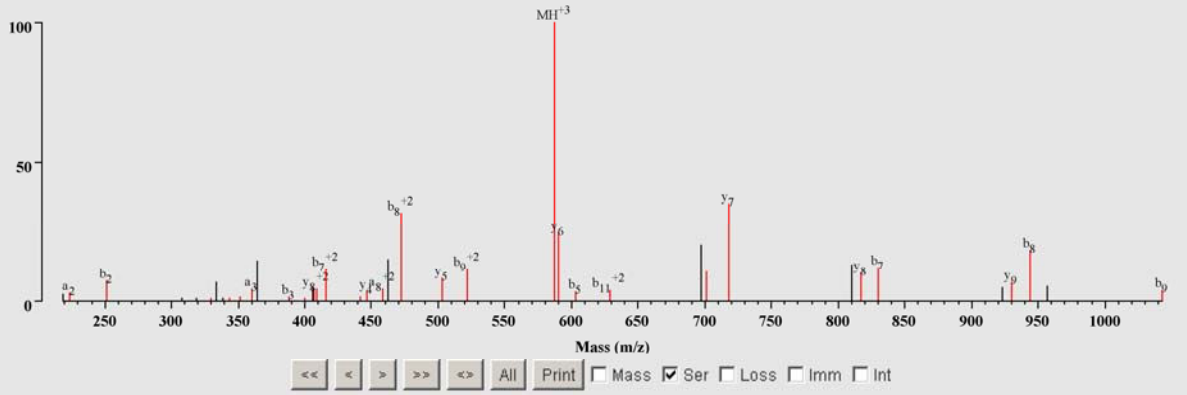
223.1193	**246.1919**	**251.1133**	**341.2202**	**351.1842**	**355.0787**	**357.2039**	**360.1899**	**373.1860**	**375.2161**
a_2(52)	y_2(43)	b_2(42)	VQL(5.5) QLV(5.5) LVQ(5.5)	y_7-NH_3^{+2}(21)	VQSG-NH_3(-232)	GAEV(76) y_3-H_2O(-26)		a_7^{+2}(2.6)	y_3(-21)
387.1848	**396.2008**	**409.2261**	**437.2137**	**442.2143**	**446.2513**	**451.2148**	**459.2041**	**465.7735**	**473.2167**
b_7^{+2}(6.0)	AHSQ-28(4.6)	y_8^{+2}(4.3)	a_8^{+2}(-1.4)	b_8-H_2O^{+2}(18)	y_4(-22)	b_8^{+2}(6.7)	YAHS(12) b_4(12)	y_9^{+2}(15)	QSGAE(37)
493.7574	**498.7452**	**503.2781**	**507.7548**	**529.7992**	**543.2865**	**557.2872**	**590.3003**	**605.3002**	**610.9734**
a_9^{+2}(2.1)	b_9-H_2O^{+2}(-6.6)	y_5(-8.5)	b_9^{+2}(2.0)	y_{10}^{+2}(6.7)	a_{10}^{+2}(-7.5)	b_{10}^{+2}(-1.4)	y_6(-24)	MH-NH_3^{+3}(-12)	MH^{+3}(-16)
621.3018	**664.8274**	**674.2744**	**701.3302**	**718.3638**	**773.3466**	**817.4326**	**901.4033**	**930.5035**	**1014.4548**
b_{11}^{+2}(-25)	b_{12}^{+2}(-8.9)	b_6(-22)	y_7-NH_3(-23)	y_7(-13)	b_7(-14)	y_8(-11)	b_8(-14)	y_9(-24)	b_9(-45)

[–] **Main Sequence Ions**

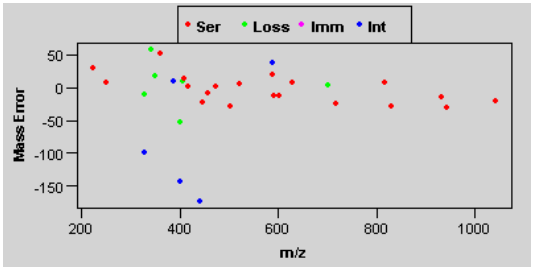
b	b^{+2}			y	y^{+2}
---	---	1	S 17	---	---
251.1026	---	2	Y 16	1743.9024	872.4549
322.1397	---	3	A 15	1580.8391	790.9232
459.1987	230.1030	4	H 14	1509.8020	755.4046
546.2307	273.6190	5	S 13	1372.7431	686.8752
674.2893	337.6483	6	Q 12	1285.7110	643.3592
773.3577	387.1825	7	V 11	1157.6525	579.3299
901.4163	451.2118	8	Q 10	1058.5840	529.7957
1014.5003	507.7538	9	L 9	930.5255	465.7664
1113.5687	557.2880	10	V 8	817.4414	409.2243
1241.6273	621.3173	11	Q 7	718.3730	359.6901
1328.6593	664.8333	12	S 6	590.3144	295.6608
1385.6808	693.3440	13	G 5	503.2824	252.1448
1456.7179	728.8626	14	A 4	446.2609	223.6341
1585.7605	793.3839	15	E 3	375.2238	188.1155
1684.8289	842.9181	16	V 2	246.1812	123.5942
---	---	17	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHSQVQLVQSGAEVK^{+3}



Max Intensity: **23.2**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **78.4%** Matched Series Intensity: **71.7%**



Sequence SYHSQVQLVQSGAEVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C76 H123 N22 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1760.9563	1759.8973	880.9818	880.4523	587.6570	587.3040

[–] Peak Matches

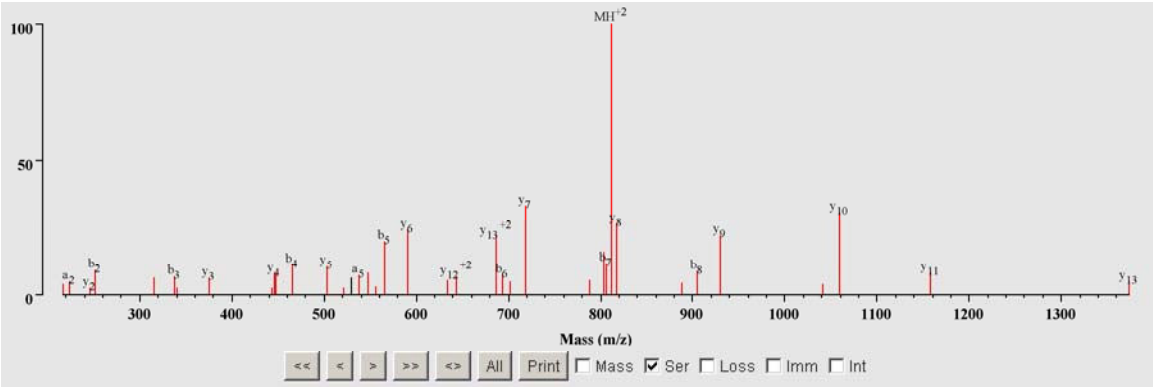
218.1590	223.1141	251.1047	308.1785	319.1684	329.1495	333.1812	338.1765	343.1705	351.1830
	a_2(29)	b_2(8.2)			a_6-NH_3^{+2}(-11) GAEV-28(-99)			b_6-NH_3^{+2}(58)	y_7-NH_3^{+2}(17)
360.1855	**364.1856**	**388.1655**	**400.1979**	**405.7204**	**407.1838**	**409.2297**	**415.6934**	**441.2053**	**446.2509**
YHS-28(52) a_3(52)		b_3(10) YHS(10)	y_8-H_2O^{+2}(-53) LVQS-28(-144)		b_7-NH_3^{+2}(9.5)	y_8^{+2}(13)	b_7^{+2}(0.46)	QVQL-28(-174) QLVQ-28(-174)	y_4(-22)
458.2334	**462.2697**	**472.2361**	**503.2679**	**521.7718**	**587.3152**	**590.3074**	**603.2446**	**629.3190**	**697.3468**
a_8^{+2}(-9.6)		b_8^{+2}(1.8)	y_5(-29)	b_9^{+2}(4.5)	YHSQV-28(37) MH^{+3}(19)	y_6(-12)	b_5(-13)	b_{11}^{+2}(6.8)	
701.3487	**718.3554**	**810.4331**	**817.4477**	**830.3561**	**923.4894**	**930.5113**	**943.4340**	**956.4431**	**1042.5097**
y_7-NH_3(3.2)	y_7(-24)		y_8(7.7)	b_7(-28)		y_9(-15)	b_8(-31)		b_9(-21)

[–] Main Sequence Ions

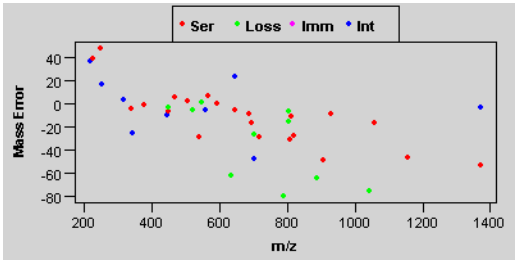
b	b^{+2}			y	y^{+2}
---	---	1	S	16 ---	---
251.1026	---	2	Y	15 1672.8653	836.9363
388.1615	194.5844	3	H	14 1509.8020	755.4046
475.1936	238.1004	4	S	13 1372.7431	686.8752
603.2522	302.1297	5	Q	12 1285.7110	643.3592
702.3206	351.6639	6	V	11 1157.6525	579.3299
830.3791	415.6932	7	Q	10 1058.5840	529.7957
943.4632	472.2352	8	L	9 930.5255	465.7664
1042.5316	521.7694	9	V	8 817.4414	409.2243
1170.5902	585.7987	10	Q	7 718.3730	359.6901
1257.6222	629.3148	11	S	6 590.3144	295.6608
1314.6437	657.8255	12	G	5 503.2824	252.1448
1385.6808	693.3440	13	A	4 446.2609	223.6341
1514.7234	757.8653	14	E	3 375.2238	188.1155
1613.7918	807.3995	15	V	2 246.1812	123.5942
---	---	16	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSQVQLVQSGAEVK^{+2}



Max Intensity: **9.45**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **97.9%** Matched Series Intensity: **97.2%**



Sequence SYSQVQLVQSGAEVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C70 H116 N19 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1623.8142	1622.8384	812.4108	811.9229

[–] **Peak Matches**

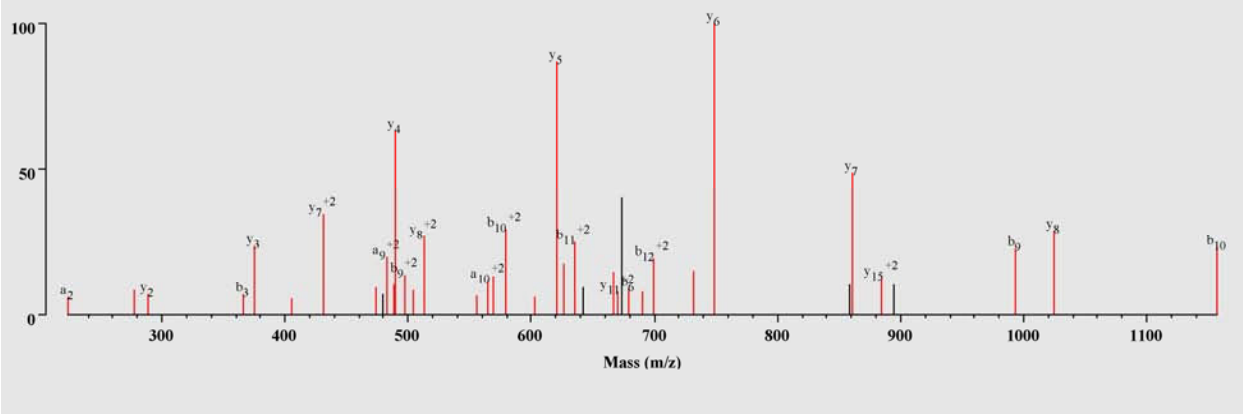
216.1059	223.1165	246.1930	251.1070	315.1675	337.1350	338.1332	341.2099	375.2233	443.2206
SGA(37) SQ(37) QS(37)	YS-28(39) a_2(39)	y_2(48)	b_2(17) YS(17)	SQV(3.8) VQS(3.8)		b_3(-4.3)	VQL(-25) QLV(-25) LVQ(-25)	y_3(-1.4)	SQVQ(-9.6) VQSGA(-9.6)
446.2582	**448.1814**	**466.1960**	**503.2836**	**521.2798**	**530.2308**	**537.2512**	**547.2517**	**556.3060**	**565.2657**
y_4(-6.1)	b_4-H_2O(-2.8)	b_4(5.9)	y_5(2.4)	y_{10}-NH_3^{+2}(-5.0)		a_5(-29)	b_5-H_2O(1.1)	SQVQL(-5.3) LVQSGA(-5.3) QLVQS(-5.3)	b_5(7.2)
590.3145	**634.3143**	**643.3559**	**686.8695**	**693.3084**	**701.3278**	**718.3520**	**788.3306**	**802.9054**	**803.4042**
y_6(0.14)	y_{12}-H_2O^{+2}(-62)	VQSGAEV-28(23) y_{12}^{+2}(-5.1)	y_{13}^{+2}(-8.3)	b_6(-17)	y_7-NH_3(-27) YSQVQL-H_2O(-48)	y_7(-29)	b_7-H_2O(-80)	MH-H_2O^{+2}(-15)	MH-NH_3^{+2}(-6.7)
806.3791	**811.9138**	**817.4188**	**888.3895**	**905.4287**	**930.5171**	**1041.4793**	**1058.5664**	**1157.5984**	**1372.6698**
b_7(-31)	MH^{+2}(-11)	y_8(-28)	b_8-NH_3(-64)	b_8(-49)	y_9(-9.0)	y_{10}-NH_3(-75)	y_{10}(-17)	y_{11}(-47)	YSQVQLVQSGAEV-NH_3(-3.3) y_{13}(-53)

[–] **Main Sequence Ions**

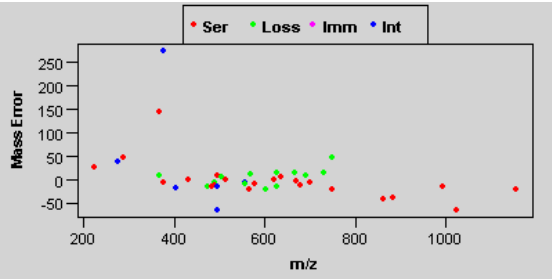
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1535.8064	768.4068
338.1347	3	S	1372.7431	686.8752
466.1932	4	Q	1285.7110	643.3592
565.2617	5	V	1157.6525	579.3299
693.3202	6	Q	1058.5840	529.7957
806.4043	7	L	930.5255	465.7664
905.4727	8	V	817.4414	409.2243
1033.5313	9	Q	718.3730	359.6901
1120.5633	10	S	590.3144	295.6608
1177.5848	11	G	503.2824	252.1448
1248.6219	12	A	446.2609	223.6341
1377.6645	13	E	375.2238	188.1155
1476.7329	14	V	246.1812	123.5942
---	15	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDNAKNSLYLQMNSLR^{+3}



Max Intensity: **14.5**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **90.8%** Matched Series Intensity: **90.7%**



Sequence SYDNAKNSLYLQMNSLR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C86 H138 N25 O29 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2018.2696	2016.9808	1009.6385	1008.9940	673.4282	672.9984

[–] Peak Matches

223.1136	277.1654	288.2166	366.1827	375.2326	405.2063	431.2347	474.2260	479.7339	483.2307
a_2(26)	YL(39) LY(39)	y_2(47)	b_3(145) y_6-NH_3^{+2}(10)	YDN-H_2O(274) y_3(-6.5)	YLQ(-17)	y_7^{+2}(1.2)	a_9-H_2O^{+2}(-14)		a_9^{+2}(-15)
488.2279	**489.2719**	**497.2395**	**504.2552**	**512.7664**	**556.2511**	**564.7580**	**569.7684**	**578.7623**	**603.2787**
b_9-H_2O^{+2}(-4.6)	y_4(-12)	b_9^{+2}(8.2) NAKNS-H_2O(-14) AKNSL-NH_3(-65)	y_8-NH_3^{+2}(5.2)	y_8^{+2}(1.1)	QMNSL-H_2O(-6.6) LQMNS-H_2O(-6.6) a_{10}-NH_3^{+2}(-9.5)	a_{10}^{+2}(-21)	b_{10}-H_2O^{+2}(12)	b_{10}^{+2}(-8.3)	y_5-NH_3(-22)
620.3192	**626.2936**	**626.8044**	**635.3129**	**642.3431**	**667.3333**	**669.8438**	**673.3189**	**679.2967**	**690.8315**
y_5(1.2)	b_{11}-H_2O^{+2}(-16)	b_{11}-NH_3^{+2}(14)	b_{11}^{+2}(6.0)		MH-NH_3^{+3}(16)	y_{11}^{+2}(-2.3)		b_6(-12)	b_{12}-NH_3^{+2}(9.2)
699.3342	**731.3608**	**748.3615**	**858.9063**	**861.4264**	**883.9133**	**894.4474**	**993.4473**	**1024.4590**	**1156.5020**
b_{12}^{+2}(-6.0)	y_6-NH_3(14)	a_7-NH_3(47) y_6(-21)		y_7(-40)	y_{15}^{+2}(-37)		b_9(-16)	y_8(-64)	b_{10}(-22)

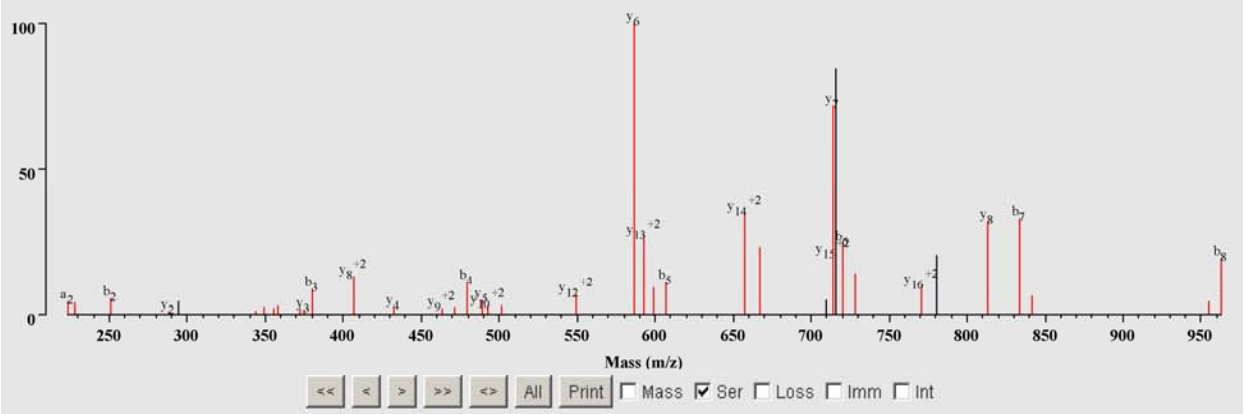
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	17 ---	---
251.1026	---	2	Y	16 1929.9487	965.4780
366.1296	---	3	D	15 1766.8854	883.9463
480.1725	---	4	N	14 1651.8585	826.4329
551.2096	---	5	A	13 1537.8155	769.4114
679.3046	340.1559	6	K	12 1466.7784	733.8928
793.3475	397.1774	7	N	11 1338.6834	669.8454
880.3795	440.6934	8	S	10 1224.6405	612.8239
993.4636	497.2354	9	L	9 1137.6085	569.3079
1156.5269	578.7671	10	Y	8 1024.5244	512.7659
1269.6110	635.3091	11	L	7 861.4611	431.2342
1397.6696	699.3384	12	Q	6 748.3770	374.6922
1528.7101	764.8587	13	M	5 620.3185	310.6629
1642.7530	821.8801	14	N	4 489.2780	245.1426
1729.7850	865.3961	15	S	3 375.2350	188.1212
1842.8691	921.9382	16	L	2 288.2030	144.6051

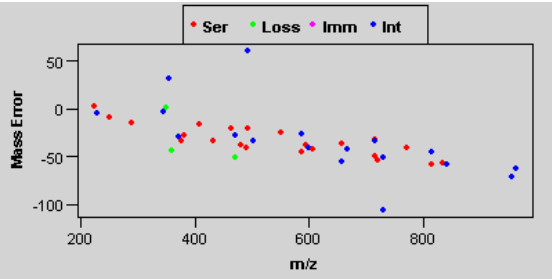
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEVQLLESGGGLVQPGGSLR^{+3}



Max Intensity: **321**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **82.1%** Matched Series Intensity: **82.1%**



Sequence: SYEVQLLESGGGLVQPGGSLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C93 H153 N26 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2147.4075	2146.1139	1074.2075	1073.5606	716.4741	716.0428

[–] Peak Matches

223.1084	228.1332	251.1006	288.1988	294.1688	344.1920	349.1857	355.2455	358.1928	372.1769
a_2(3.1)	GGL(-4.7) VQ(-4.7)	b_2(-8.1)	y_2(-15)		SGGGL-28(-2.5)	y_7-$NH_3$$^{+2}$(1.9)	QLL(32)	y_3-NH_3(-44)	SGGGL(-29)
375.2228	**380.1351**	**407.2260**	**432.2416**	**463.7646**	**471.2433**	**479.1960**	**489.2583**	**492.2751**	**501.2137**
y_3(-33)	b_3(-27)	$y_8$$^{+2}$(-16)	y_4(-34)	$y_9$$^{+2}$(-21)	SGGGLV(-27) y_5-H_2O(-51)	b_4(-37)	y_5(-40)	YEVQ-28(61) $y_{10}$$^{+2}$(-21)	ESGGGL(-33) LESGGG(-33)
549.2936	**586.3045**	**592.8003**	**599.2902**	**607.2465**	**657.3202**	**667.3129**	**710.0179**	**713.8635**	**714.3541**
$y_{12}$$^{+2}$(-24)	LESGGGL-28(-26) LLESGGG-28(-26) y_6(-45)	$y_{13}$$^{+2}$(-38)	SGGGLVQ(-41)	b_5(-42)	$y_{14}$$^{+2}$(-36) QLLESGG-28(-55)	QLLESGG-H_2O(-42)		$y_{15}$$^{+2}$(-32)	QLLESGGG-28(-34) y_7(-49)
716.0169	**720.3180**	**728.3204**	**770.3973**	**780.8685**	**813.4102**	**833.3934**	**841.3926**	**954.4576**	**962.4236**
	b_6(-53)	ESGGGLVQ(-51) YEVQLL-H_2O(-106)	$y_{16}$$^{+2}$(-40)		VQLLESGGG-28(-45) LESGGGLVQ-28(-45) y_8(-58)	b_7(-56)	VQLLESGGG(-58) LESGGGLVQ(-58)	VQLLESGGGL(-71) QLLESGGGLV(-71) LLESGGGLVQ(-71)	b_8(-62) YEVQLLES(-62)

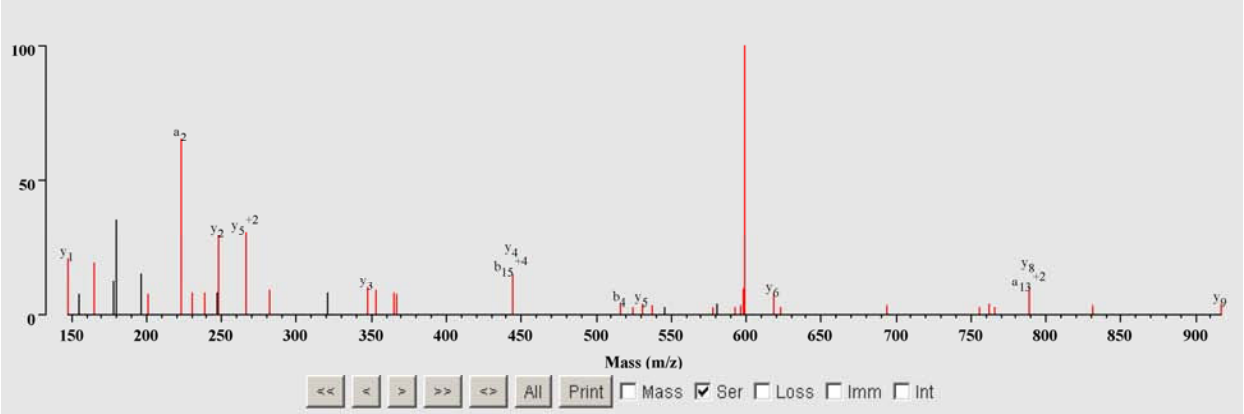
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	21 ---	---
251.1026	2	Y	20 2059.0818	1030.0446
380.1452	3	E	19 1896.0185	948.5129
479.2136	4	V	18 1766.9759	883.9916
607.2722	5	Q	17 1667.9075	834.4574
720.3563	6	L	16 1539.8489	770.4281
833.4403	7	L	15 1426.7649	713.8861
962.4829	8	E	14 1313.6808	657.3440
1049.5150	9	S	13 1184.6382	592.8227
1106.5364	10	G	12 1097.6062	549.3067
1163.5579	11	G	11 1040.5847	520.7960
1220.5794	12	G	10 983.5633	492.2853
1333.6634	13	L	9 926.5418	463.7745
1432.7318	14	V	8 813.4577	407.2325
1560.7904	15	Q	7 714.3893	357.6983
1657.8432	16	P	6 586.3307	293.6690

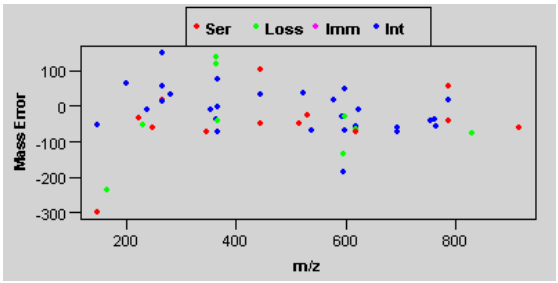
1714.8646	17	**G**	5	489.2780	245.1426
1771.8861	18	**G**	4	432.2565	216.6319
1858.9181	19	**S**	3	375.2350	188.1212
1972.0022	20	**L**	2	288.2030	144.6051
---	21	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHKVYAC(Carbamidomethyl)EVTHQGLSSPVTK^{+4}



Max Intensity: **18.8**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **81.9%** Matched Series Intensity: **81.6%**



Sequence SYHKVYAC(Carbamidomethyl)EVTHQGLSSPVTK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C105 H164 N29 O33 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2392.5472	2391.1762	1196.7773	1196.0917	798.1873	797.7302	598.8924	598.5495

[–] Peak Matches

147.0687	155.0933	165.0736	178.0814	180.0938	196.0911	201.1366	223.1000	230.1376	239.1118
SS-28(-52) y_1(-300)		y_3-H_2O^{+2}(-237)				LS(66) VT(66) EV-28(66)	a_2(-35)	GLS-28(-54) y_2-H_2O(-54)	TH(-8.6)
247.1331	**248.1458**	**266.1649**	**282.1544**	**321.1266**	**347.2033**	**353.1786**	**365.2152**	**367.1711**	**444.2600**
	y_2(-59)	HQ(151) SPV-H_2O(56) y_5^{+2}(17) HK(14)	QGL-NH_3(34)		y_3(-74)	SSPV-H_2O(-9.5)	a_9-NH_3^{+3}(140) b_{12}-H_2O^{+4}(120) HKV(-39)	YAC(Carbamidomethyl)-28(75) THQ(-3.7) a_6-NH_3^{+2}(-43) SPVT-H_2O(-72) LSSP-H_2O(-72)	b_{15}^{+4}(102) SSPVT-28(33) y_4(-49)
516.2315	**524.2008**	**531.3007**	**537.2404**	**545.2768**	**578.2669**	**580.2919**	**592.2671**	**596.2028**	**598.2797**
b_4(-48)	YAC(Carbamidomethyl)E(38)	y_5(-24)	THQGL(-70)		EVTHQ-NH_3(17)		HQGLSS-H_2O(-28)	a_{10}-H_2O^{+2}(-137) THQGLS-28(-188)	b_5-NH_3(-31)
599.2894	**618.3011**	**623.2434**	**694.2736**	**755.2831**	**762.3662**	**765.3454**	**788.4177**	**831.3500**	**916.4555**
C(Carbamidomethyl)EVTH-28(48) HKVYA(-68)	VTHQGL-H_2O(-56) y_{12}-H_2O^{+2}(-64) y_6(-72)	VYAC(Carbamidomethyl)E(-9.6) YAC(Carbamidomethyl)EV(-9.6)	THQGLSS-NH_3(-60) VYAC(Carbamidomethyl)EV-28(-71)	C(Carbamidomethyl)EVTHQ(-41)	YHKVYA(-36)	EVTHQGL(-57)	a_{13}^{+2}(58) HQGLSSPV-H_2O(16) y_8(-43)	b_7-H_2O(-78)	y_9(-59)

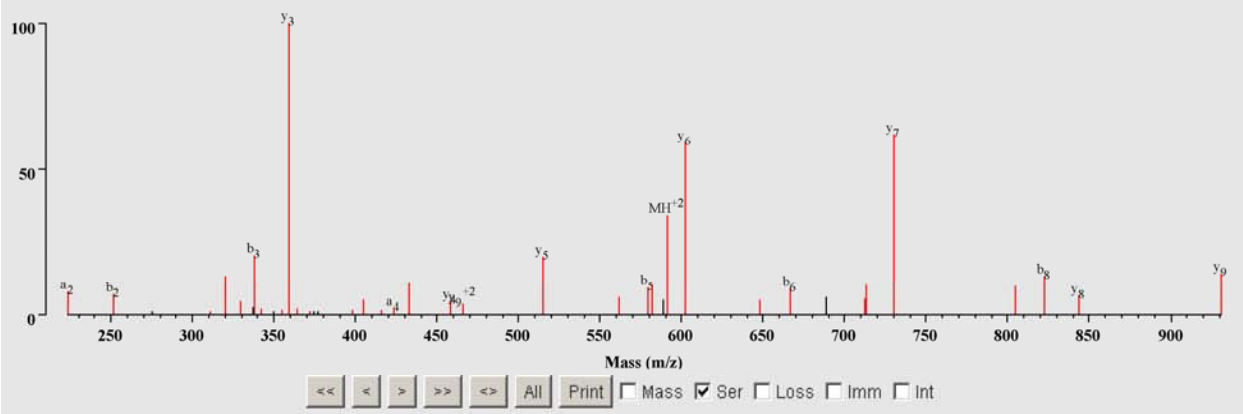
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	21	---	---
251.1026	---	2	**Y**	20	2304.1441	1152.5757
388.1615	194.5844	3	**H**	19	2141.0808	1071.0440
516.2565	258.6319	4	**K**	18	2004.0219	1002.5146
615.3249	308.1661	5	**V**	17	1875.9269	938.4671
778.3883	389.6978	6	**Y**	16	1776.8585	888.9329
849.4254	425.2163	7	**A**	15	1613.7952	807.4012
1009.4560	505.2316	8	**C(Carbamidomethyl)**	14	1542.7581	771.8827
1138.4986	569.7529	9	**E**	13	1382.7274	691.8673
1237.5670	619.2871	10	**V**	12	1253.6848	627.3461
1338.6147	669.8110	11	**T**	11	1154.6164	577.8118
1475.6736	738.3404	12	**H**	10	1053.5687	527.2880

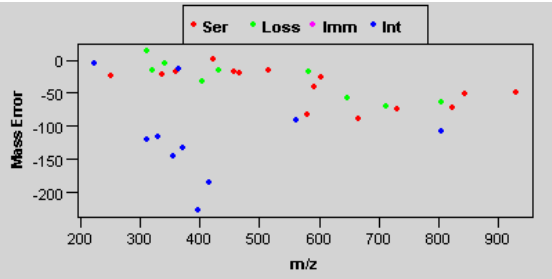
1603.7322	802.3697	13	**Q**	9	916.5098	458.7585
1660.7537	830.8805	14	**G**	8	788.4512	394.7293
1773.8377	887.4225	15	**L**	7	731.4298	366.2185
1860.8697	930.9385	16	**S**	6	618.3457	309.6765
1947.9018	974.4545	17	**S**	5	531.3137	266.1605
2044.9545	1022.9809	18	**P**	4	444.2817	222.6445
2144.0229	1072.5151	19	**V**	3	347.2289	174.1181
2245.0706	1123.0390	20	**T**	2	248.1605	124.5839
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLKSGVPSR^{+2}



Max Intensity: **26.7**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **96.3%** Matched Series Intensity: **95.9%**



Sequence: SYSLKSGVPSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H86 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1181.3420	1180.6321	591.1747	590.8197

[–] Peak Matches

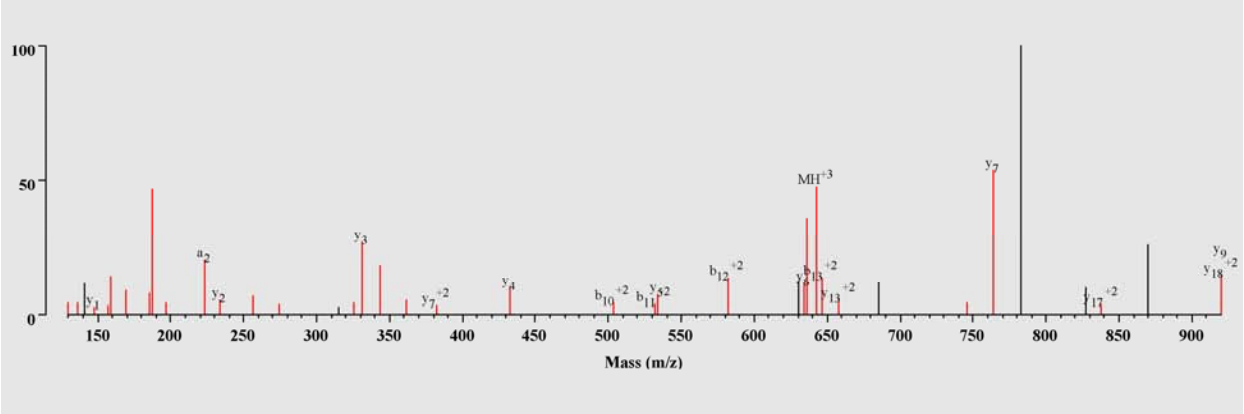
223.1068	251.0967	275.1745	311.1700	320.1194	329.1802	337.0923	338.1271	342.1754	350.1403
a_2(-4.1) YS-28(-4.1)	YS(-24) b_2(-24)		a_6-NH_3^{+2}(14) LKS-H_2O(-121) SLK-H_2O(-121)	b_3-H_2O(-15)	SLK(-116) LKS(-116)		b_3(-22)	y_3-NH_3(-5.2)	
355.1456	**359.1972**	**364.1817**	**372.1746**	**374.2005**	**377.1303**	**398.1493**	**405.2003**	**416.1738**	**423.2243**
KSGV-NH_3(-146)	y_3(-18)	YSL(-14)	KSGV(-133)			SLKS-H_2O(-227)	a_4-H_2O(-32)	SLKS(-184)	a_4(1.2)
433.2015	**458.2640**	**465.7631**	**515.2856**	**561.2523**	**579.2662**	**581.8045**	**588.2559**	**590.7954**	**602.3104**
b_4-H_2O(-15)	y_4(-18)	y_9^{+2}(-19)	y_5(-16)	b_5-H_2O(-91) YSLKS-H_2O(-91)	YSLKS(-82) b_5(-82)	MH-H_2O^{+2}(-17)		MH^{+2}(-41)	y_6(-25)
648.2980	**666.2863**	**688.3523**	**712.3607**	**713.3438**	**730.3665**	**804.3743**	**822.3766**	**843.4620**	**930.4900**
b_6-H_2O(-57)	b_6(-89)		y_7-H_2O(-69)	y_7-NH_3(-70)	y_7(-74)	b_8-H_2O(-63) YSLKSGVP-28(-108)	b_8(-72)	y_8(-51)	y_9(-50)

[–] Main Sequence Ions

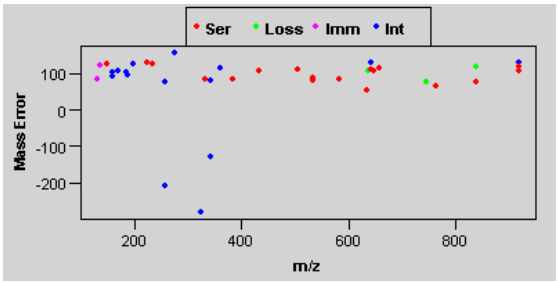
b	b^{+2}				y	y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1093.6000	547.3037
338.1347	---	3	S	9	930.5367	465.7720
451.2187	---	4	L	8	843.5047	422.2560
579.3137	290.1605	5	K	7	730.4206	365.7139
666.3457	333.6765	6	S	6	602.3257	301.6665
723.3672	362.1872	7	G	5	515.2936	258.1504
822.4356	411.7214	8	V	4	458.2722	229.6397
919.4884	460.2478	9	P	3	359.2037	180.1055
1006.5204	503.7638	10	S	2	262.1510	131.5791
---	---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYADSSPVKAGVETTTPSK^{+3}



Max Intensity: **4.33**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **70.0%** Matched Series Intensity: **64.0%**



Sequence: SYADSSPVKAGVETTTPSK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300

Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C82 H134 N21 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1926.1001	1924.9498	963.5538	962.9786	642.7050	642.3215

[–] Peak Matches

129.1132	136.0923	141.0815	147.1314	157.1133	159.0912	169.1516	185.1113	187.0893	197.1532
GV-28(85) K(85)	Y(122)		y_1(126)	GV(103) SP-28(103) y_3-H_2O^{+2}(103) PS-28(103)	AD-28(93)	PV-28(107)	TT-H_2O(104) SP(104) PS(104)	AD(96)	PV(126)
223.1369	**234.1749**	**256.1119**	**274.1465**	**315.1540**	**325.1317**	**331.2253**	**343.1526**	**361.1773**	**382.2274**
a_2(131)	y_2(128)	ADS-H_2O(75) SPV-28(-210)	ADS(157)		PVK(-282)	y_3(84)	ADSS-H_2O(81) SSPV-28(-131)	ADSS(116)	y_7^{+2}(84)
432.2909	**503.8013**	**532.3035**	**533.3369**	**581.8392**	**630.3828**	**630.7084**	**634.3742**	**636.3865**	**642.3925**
y_4(106)	b_{10}^{+2}(110)	b_{11}^{+2}(89) VETTT(79)	y_5(82)	b_{12}^{+2}(84)			y_6(53)	MH-H_2O^{+3}(108)	AGVETTT-H_2O(129) MH^{+3}(111)
646.3808	**657.9414**	**684.9249**	**745.4308**	**763.4332**	**782.9899**	**827.0237**	**837.9961**	**870.0121**	**919.5709**
b_{13}^{+2}(107)	y_{13}^{+2}(113)		GVETTTPS-28(78) y_7-H_2O(78)	y_7(65)			b_{17}-NH_3^{+2}(119) y_{17}^{+2}(78)		YADSSPVKA(129) y_{18}^{+2}(118) y_9(106)

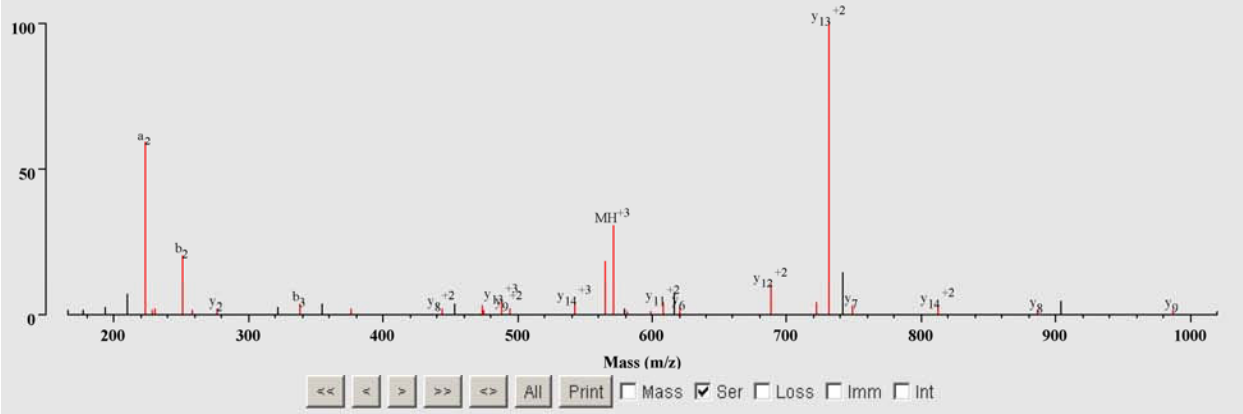
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 19	---	---
251.1026	---	2	Y 18	1837.9178	919.4625
322.1397	---	3	A 17	1674.8545	837.9309
437.1667	---	4	D 16	1603.8174	802.4123
524.1987	---	5	S 15	1488.7904	744.8988
611.2307	---	6	S 14	1401.7584	701.3828
708.2835	---	7	P 13	1314.7264	657.8668
807.3519	---	8	V 12	1217.6736	609.3404
935.4469	468.2271	9	K 11	1118.6052	559.8062
1006.4840	503.7456	10	A 10	990.5102	495.7587
1063.5055	532.2564	11	G 9	919.4731	460.2402
1162.5739	581.7906	12	V 8	862.4516	431.7295
1291.6165	646.3119	13	E 7	763.3832	382.1953
1392.6642	696.8357	14	T 6	634.3406	317.6740
1493.7118	747.3596	15	T 5	533.2930	267.1501

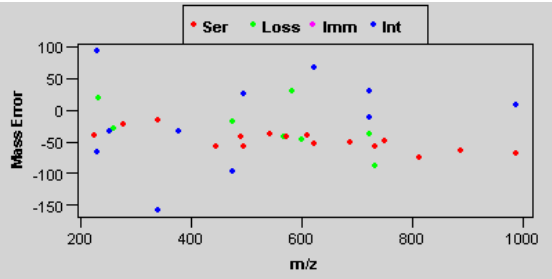
1594.7595	797.8834	16	**T**	4	432.2453	216.6263
1691.8123	846.4098	17	**P**	3	331.1976	166.1024
1778.8443	889.9258	18	**S**	2	234.1448	117.5761
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)QVTHEGSTVEK^{+3}



Max Intensity: **39.4**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **84.5%** Matched Series Intensity: **82.4%**



Sequence: SC(Carbamidomethyl)QVTHEGSTVEK
N Term: SerTyr | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C70 H111 N20 O28 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1712.6783	1711.7592	856.8429	856.3832	571.5644	571.2579

[–] Peak Matches

165.0894	177.0876	193.0825	210.1049	223.0985	228.1192	230.1305	251.0944	258.1374	276.1491
				YS-28(-41) a_2(-41)	GST-H_2O(93) QV(-66)	y_4-NH_3^{+2}(19)	b_2(-33) YS(-33)	y_2-H_2O(-29)	y_2(-23)
322.1314	**338.1288**	**354.1468**	**376.1162**	**443.6916**	**452.6834**	**473.1891**	**475.1509**	**487.8725**	**494.2121**
	b_3(-17) VTH(-158)		SC(Carbamidomethyl)Q(-33)	y_8^{+2}(-57)		b_8-H_2O^{+2}(-18)	SC(Carbamidomethyl)QV(-97)	y_{13}^{+3}(-42)	HEGST-H_2O(26) THEGS-H_2O(26) y_9^{+2}(-58)
542.2270	**565.2304**	**570.8174**	**571.2335**	**579.2072**	**581.2201**	**598.7706**	**607.7802**	**616.7419**	**620.2912**
y_{14}^{+3}(-37)	MH-H_2O^{+3}(-42)		MH^{+3}(-43)		a_5-NH_3(30)	y_{11}-H_2O^{+2}(-47)	y_{11}^{+2}(-40)		YSC(Carbamidomethyl)QV-H_2O(67) y_6(-54)
687.7854	**722.3025**	**731.2935**	**741.7751**	**749.3310**	**812.8065**	**886.3692**	**904.3397**	**987.4059**	**1019.3794**
y_{12}^{+2}(-50)	YSC(Carbamidomethyl)QVT-NH_3(29) QVTHEGS-NH_3(-11) HEGSTVE-H_2O(-11) y_{13}-H_2O^{+2}(-38)	y_{13}^{+2}(-58) y_7-H_2O(-87)		y_7(-49)	y_{14}^{+2}(-75)	y_8(-65)		YSC(Carbamidomethyl)QVTHE-H_2O(7.1) y_9(-69)	

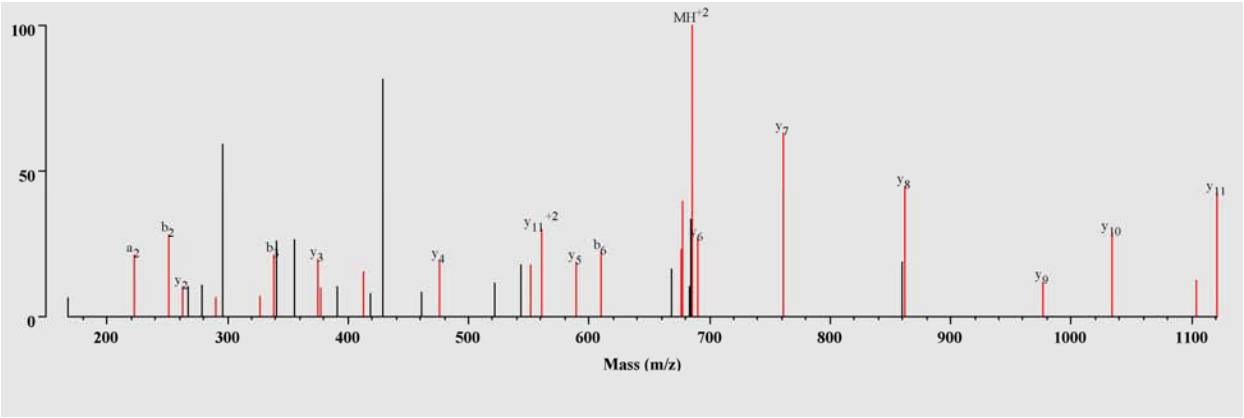
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1624.7272	812.8672
338.1347	---	3	S	13	1461.6638	731.3356
498.1653	---	4	C(Carbamidomethyl)	12	1374.6318	687.8195
626.2239	---	5	Q	11	1214.6012	607.8042
725.2923	---	6	V	10	1086.5426	543.7749
826.3400	---	7	T	9	987.4742	494.2407
963.3989	482.2031	8	H	8	886.4265	443.7169
1092.4415	546.7244	9	E	7	749.3676	375.1874
1149.4629	575.2351	10	G	6	620.3250	310.6661
1236.4950	618.7511	11	S	5	563.3035	282.1554
1337.5427	669.2750	12	T	4	476.2715	238.6394

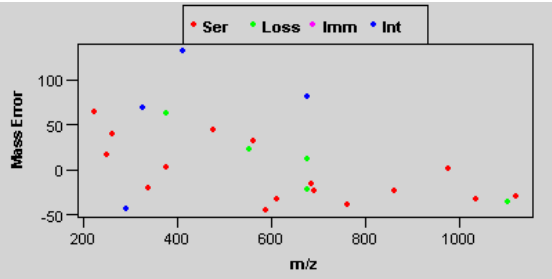
1436.6111	718.8092	13	**V**	3	375.2238	188.1155
1565.6537	783.3305	14	**E**	2	276.1554	138.5813
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSGNTATLTISR^{+2}



Max Intensity: **1.19**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **64.4%** Matched Series Intensity: **57.9%**



Sequence SYSGNTATLTISR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C57 H96 N17 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1371.4988	1370.6910	686.2531	685.8492

[–] **Peak Matches**

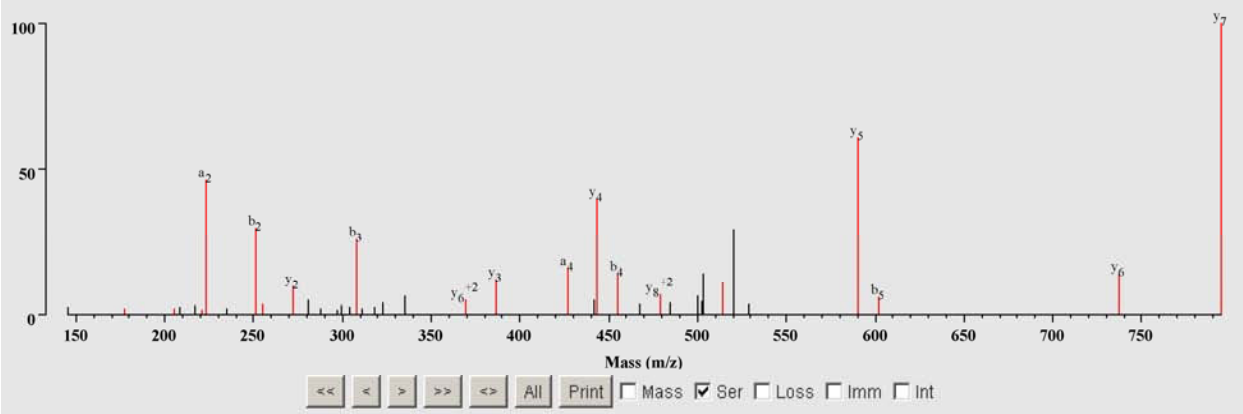
167.0290	223.1222	251.1070	262.1615	267.0136	279.1850	290.1008	296.2616	327.1525	338.1280
	YS-28(65) a_2(65)	YS(17) b_2(17)	y_2(40)			YSG-H_2O(-44)		GNTA-NH_3(69)	b_3(-20)
341.0229	**355.0653**	**375.2361**	**377.1690**	**391.3171**	**413.2326**	**419.0803**	**429.0955**	**461.1260**	**476.3035**
		y_3(2.8)	b_4-H_2O(62)		SGNTA-H_2O(132)				y_4(44)
521.7293	**543.2585**	**551.8084**	**560.8195**	**589.3400**	**610.2263**	**668.3641**	**676.8292**	**677.3438**	**683.3966**
		y_{11}-H_2O^{+2}(22)	y_{11}^{+2}(32)	y_5(-45)	b_6(-33)		MH-H_2O^{+2}(-22)	YSGNTAT-H_2O(81) MH-NH_3^{+2}(12)	
684.2999	**685.8381**	**690.3985**	**761.4216**	**860.3506**	**862.4782**	**976.5432**	**1033.5294**	**1103.5296**	**1120.5618**
	MH^{+2}(-16)	y_6(-23)	y_7(-39)		y_8(-24)	y_9(1.0)	y_{10}(-33)	y_{11}-NH_3(-36)	y_{11}(-30)

[–] **Main Sequence Ions**

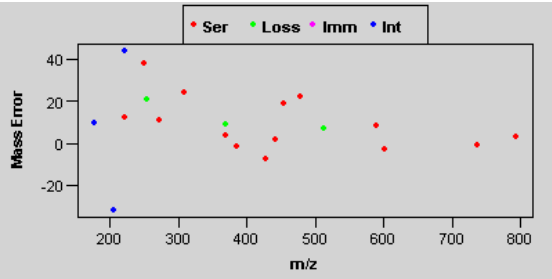
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1283.6590	642.3331
338.1347	3	S	11	1120.5957	560.8015
395.1561	4	G	10	1033.5636	517.2855
509.1991	5	N	9	976.5422	488.7747
610.2467	6	T	8	862.4993	431.7533
681.2838	7	A	7	761.4516	381.2294
782.3315	8	T	6	690.4145	345.7109
895.4156	9	L	5	589.3668	295.1870
996.4633	10	T	4	476.2827	238.6450
1109.5473	11	I	3	375.2350	188.1212
1196.5794	12	S	2	262.1510	131.5791
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGFFGNPR^{+2}



Max Intensity: **46.0**
Num Matched: **19/40 (52.5% unmatched)** Matched Intensity: **78.9%** Matched Series Intensity: **78.8%**



Sequence SYGFFGNPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C49 H66 N13 O13

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1045.1494	1044.4898	523.0784	522.7485

[–] **Peak Matches**

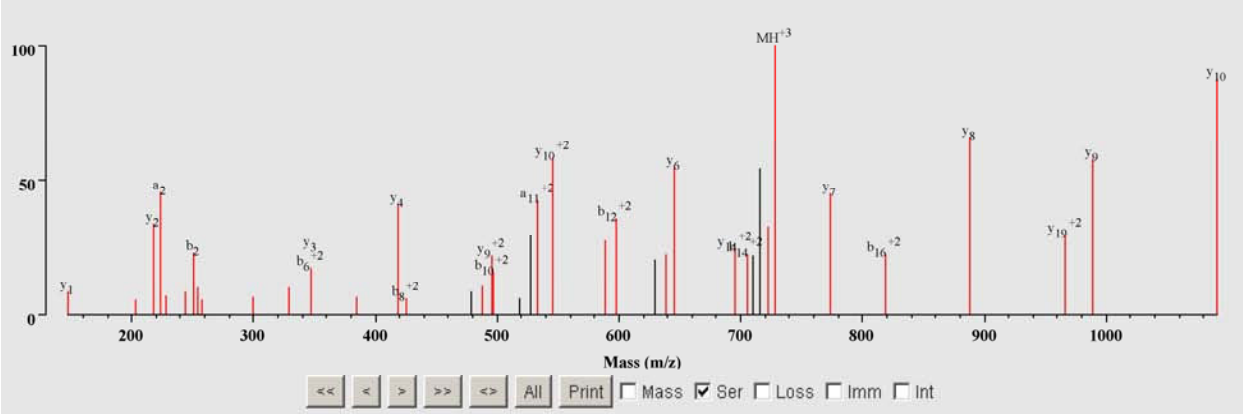
145.0928	177.1039	205.0905	208.1362	217.1096	221.1019	223.1103	235.1205	251.1123	255.1505
	GF-28(9.4) FG-28(9.4)	a_2-H_2O(-32) GF(-32) FG(-32)			YG(44)	a_2(12)		b_2(38)	y_2-NH_3(21)
272.1747	**281.0642**	**288.1367**	**297.1588**	**299.1541**	**304.1821**	**308.1314**	**311.1272**	**318.1844**	**323.1548**
y_2(11)						b_3(24)			
335.1472	**369.1914**	**386.2141**	**427.1944**	**441.7457**	**443.2368**	**455.2011**	**467.2184**	**479.2431**	**484.2344**
	y_3-NH_3(9.0) y_6^{+2}(3.5)	y_3(-1.4)	a_4(-7.5)		y_4(1.6)	b_4(19)		y_8^{+2}(22)	
500.2522	**502.2650**	**503.2878**	**513.7469**	**520.2928**	**529.1939**	**590.3096**	**602.2593**	**737.3721**	**794.3968**
			MH-H_2O^{+2}(7.1)			y_5(8.6)	b_5(-2.7)	y_6(-1.1)	y_7(3.0)

[–] **Main Sequence Ions**

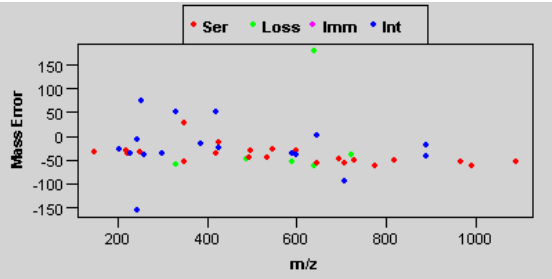
b			y	y^{+2}
---	1	S	9 ---	---
251.1026	2	Y	8 957.4577	479.2325
308.1241	3	G	7 794.3944	397.7008
455.1925	4	F	6 737.3729	369.1901
602.2609	5	F	5 590.3045	295.6559
659.2824	6	G	4 443.2361	222.1217
773.3253	7	N	3 386.2146	193.6110
870.3781	8	P	2 272.1717	136.5895
---	9	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEGKQVGSGVTTDQVQAEAK^{+3}



Max Intensity: **6.99**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **87.8%** Matched Series Intensity: **86.1%**



Sequence SYEGKQVGSGVTTDQVQAEAK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C91 H149 N26 O36

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2183.3509	2182.0622	1092.1791	1091.5348	728.4552	728.0256

[–] Peak Matches

147.1078	203.0969	218.1435	223.1000	228.1263	244.0911	251.0944	254.1328	258.1344	300.1086
y_1(-34)	TT(-28)	y_2(-29)	a_2(-35)	QV(-35) VQ(-35)	DQ(-7.0) SGV(-156) VGS(-156) AEA-28(-156)	b_2(-33)	AEA-H_2O(76)	GVT(-40)	TTD-H_2O(-35)
329.1624	**347.1733**	**384.1815**	**418.2148**	**425.2036**	**479.2091**	**488.2070**	**495.2267**	**497.2210**	**518.7569**
QAE(51) y_3-H_2O(-59)	b_6^{+2}(27) y_3(-55)	GSGVT-H_2O(-16)	TTDQ-28(52) SGVTT-28(-35) y_4(-35)	b_8^{+2}(-12) EGKQ-H_2O(-25)		b_{10}-H_2O^{+2}(-47)	y_9^{+2}(-44)	b_{10}^{+2}(-29)	
527.7538	**532.7487**	**545.7580**	**588.2572**	**597.2755**	**629.7599**	**638.7716**	**645.3206**	**695.8105**	**705.2900**
	a_{11}^{+2}(-44)	y_{10}^{+2}(-26)	YEGKQ-H_2O(-35) b_{12}-H_2O^{+2}(-53)	b_{12}^{+2}(-30) GKQVGSG-NH_3(-40)		y_{19}-H_2O^{+3}(180) b_{13}-H_2O^{+2}(-63)	TTDQVQ-28(0.57) y_6(-56)	y_{14}^{+2}(-48)	b_{14}^{+2}(-58) YEGKQV(-94)
709.9841	**715.9832**	**721.9948**	**727.9882**	**773.3674**	**818.8534**	**888.4039**	**966.4340**	**989.4291**	**1090.4792**
		MH-H_2O^{+3}(-38)	MH^{+3}(-51)	y_7(-62)	b_{16}^{+2}(-50)	YEGKQVGSG-H_2O(-19) y_8(-43) SGVTTDQVQ-28(-43)	y_{19}^{+2}(-55)	y_9(-61)	y_{10}(-53)

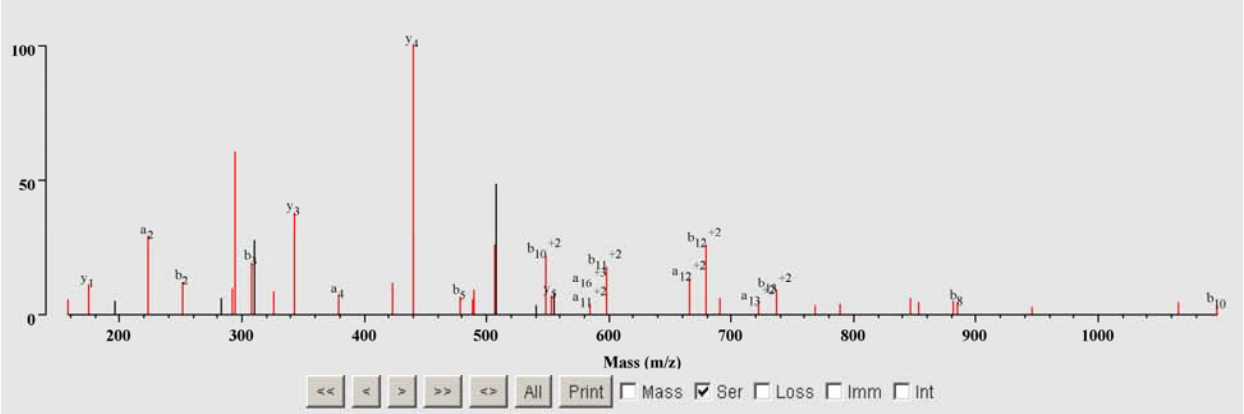
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 21	---	---
251.1026	---	2	**Y** 20	2095.0302	1048.0187
380.1452	---	3	**E** 19	1931.9669	966.4871
437.1667	---	4	**G** 18	1802.9243	901.9658
565.2617	283.1345	5	**K** 17	1745.9028	873.4550
693.3202	347.1638	6	**Q** 16	1617.8079	809.4076
792.3886	396.6980	7	**V** 15	1489.7493	745.3783
849.4101	425.2087	8	**G** 14	1390.6809	695.8441
936.4421	468.7247	9	**S** 13	1333.6594	667.3333
993.4636	497.2354	10	**G** 12	1246.6274	623.8173
1092.5320	546.7696	11	**V** 11	1189.6059	595.3066
1193.5797	597.2935	12	**T** 10	1090.5375	545.7724
1294.6274	647.8173	13	**T** 9	989.4898	495.2485
1409.6543	705.3308	14	**D** 8	888.4421	444.7247
1537.7129	769.3601	15	**Q** 7	773.4152	387.2112

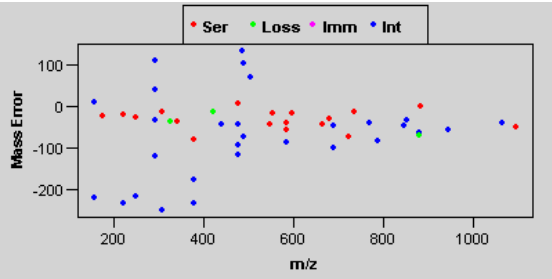
1636.7813	818.8943	16	**V**	6	645.3566	323.1819
1764.8399	882.9236	17	**Q**	5	546.2882	273.6477
1835.8770	918.4421	18	**A**	4	418.2296	209.6185
1964.9196	982.9634	19	**E**	3	347.1925	174.0999
2035.9567	1018.4820	20	**A**	2	218.1499	109.5786
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGVALHRPDVYLLPPAR^{+4}



Max Intensity: **15.2**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **83.8%** Matched Series Intensity: **83.6%**



Sequence SYGVALHRPDVYLLPPAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C94 H147 N26 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2025.3758	2024.1076	1013.1916	1012.5574	675.7969	675.3741	507.0995	506.7824

[–] Peak Matches

157.0986	175.1146	196.1269	223.1028	251.0959	283.1648	292.1968	294.1567	308.1194	310.1628
GV(9.2) AL-28(-222)	y_1(-25)		a_2(-22) LH-28(-235)	b_2(-27) LH(-216)		YGV-28(107)	PDV-H_2O(40) HR(-36) ALH-28(-122)	b_3(-15) LPP(-251)	
326.1696	**343.1960**	**379.1673**	**423.2291**	**440.2417**	**478.2317**	**488.3011**	**489.2698**	**506.2813**	**507.2570**
y_3-NH_3(-39)	y_3(-37)	a_4(-80) LPPA(-176) LHR-28(-235)	y_4-NH_3(-14)	y_4(-45) RPDV-28(-45)	b_5(4.3) HRPD-28(-43) GVALH(-95) ALHR(-119)	HRPD-H_2O(132)	HRPD-NH_3(101) VYLL(-76)	HRPD(68)	
540.7757	**548.7563**	**553.3350**	**554.7763**	**584.2929**	**598.3041**	**665.8196**	**679.8247**	**690.3342**	**722.3356**
	b_{10}^{+2}(-44)	y_5(-19)		a_{11}^{+2}(-41) a_{16}^{+3}(-57) YLLPP(-88)	b_{11}^{+2}(-18)	a_{12}^{+2}(-44)	b_{12}^{+2}(-32)	ALHRPD(-49) LHRPDV-28(-102)	a_{13}^{+2}(-76)
736.3780	**768.3461**	**789.3694**	**846.4174**	**853.4392**	**881.4060**	**884.4712**	**945.4719**	**1065.5406**	**1096.4972**
b_{13}^{+2}(-14)	HRPDVY(-42)	ALHRPDV(-85) VALHRPD(-85)	GVALHRPD(-48)	HRPDVYL-28(-34) LHRPDVY-28(-34)	HRPDVYL(-64) LHRPDVY(-64) b_{16}-NH_3^{+2}(-72)	b_8(-2.8)	GVALHRPDV(-58)	ALHRPDVYL(-41)	b_{10}(-51)

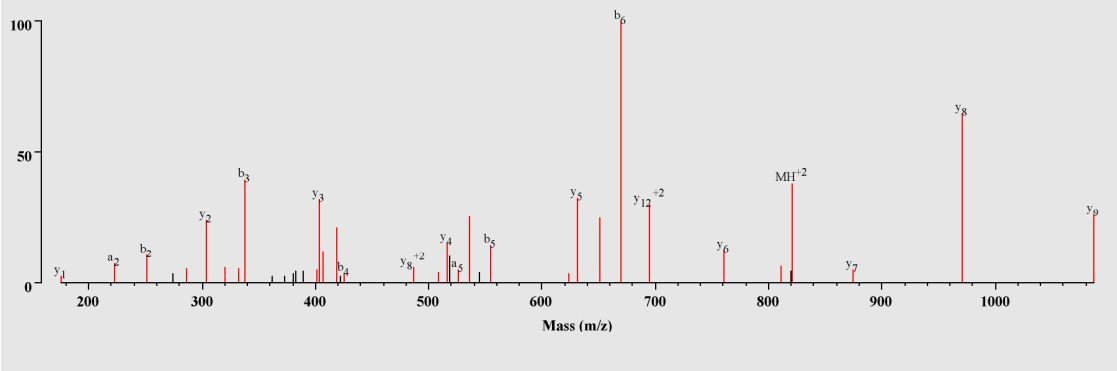
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	18 ---	---
251.1026	---	2	Y	17 1937.0756	969.0414
308.1241	---	3	G	16 1774.0122	887.5098
407.1925	---	4	V	15 1716.9908	858.9990
478.2296	---	5	A	14 1617.9224	809.4648
591.3137	---	6	L	13 1546.8853	773.9463
728.3726	364.6899	7	H	12 1433.8012	717.4042
884.4737	442.7405	8	R	11 1296.7423	648.8748
981.5265	491.2669	9	P	10 1140.6412	570.8242
1096.5534	548.7803	10	D	9 1043.5884	522.2978
1195.6218	598.3146	11	V	8 928.5615	464.7844
1358.6852	679.8462	12	Y	7 829.4931	415.2502
1471.7692	736.3883	13	L	6 666.4297	333.7185
1584.8533	792.9303	14	L	5 553.3457	277.1765

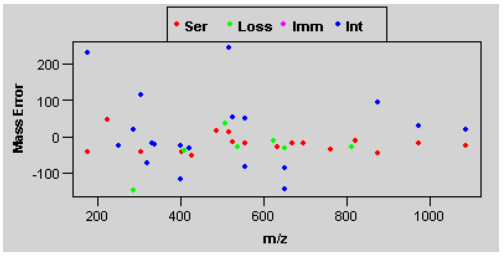
1681.9061	841.4567	15	**P**	4	440.2616	220.6344
1778.9588	889.9830	16	**P**	3	343.2088	172.1081
1849.9959	925.5016	17	**A**	2	246.1561	123.5817
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSEDPNEDIVER^{+2}



Max Intensity: **4.55**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **93.4%** Matched Series Intensity: **92.9%**



Sequence: SYSSEDPNEDIVER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C67 H103 N18 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1640.6674	1639.7082	820.8374	820.3577

[–] **Peak Matches**

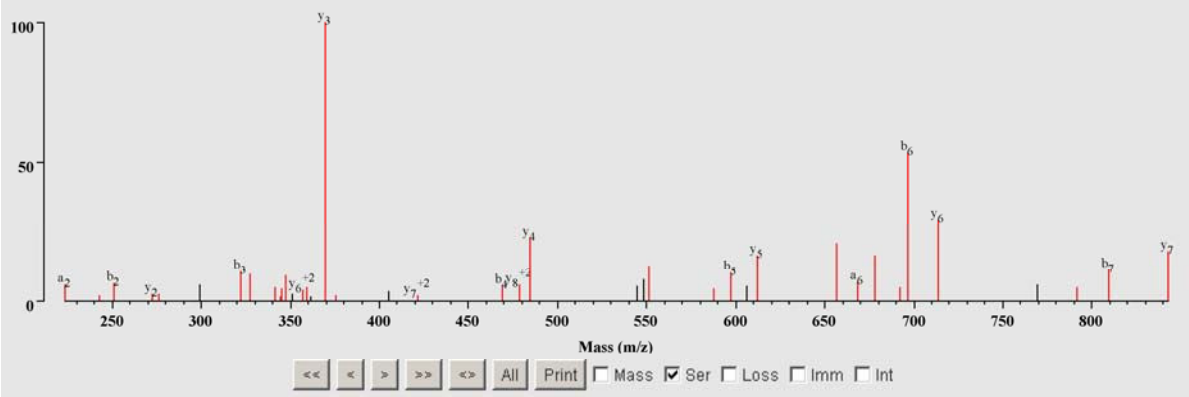
175.1118	223.1181	251.0967	274.0812	286.1086	304.1491	320.1008	332.1026	338.1271	362.1326
SS(231) y_1(-41)	YS-28(47) a_2(47)	b_2(-24) YS(-24)		SSE-H_2O(18) y_2-H_2O(-148)	SED-28(116) SSE(116) y_2(-41)	b_3-H_2O(-73) YSS-H_2O(-73)	SED(-19)	b_3(-22) YSS(-22)	
373.1210	**380.1490**	**383.0871**	**389.1316**	**401.1200**	**403.2136**	**407.1403**	**419.1276**	**422.1735**	**425.1445**
				SSED-H_2O(-26) SEDP-28(-116)	y_3(-41)	b_4-H_2O(-39)	SSED(-32)		b_4(-52)
486.2515	**508.2218**	**516.3195**	**518.1795**	**526.2061**	**536.1841**	**544.2645**	**554.1999**	**623.2235**	**631.3237**
y_8^{+2}(17)	a_5-H_2O(35)	SSEDP(244) y_4(11)		SEDPN-NH_3(53) a_5(-16)	b_5-H_2O(-27)		DPNED-NH_3(49) YSSED-28(-17) b_5(-17) NEDIV-NH_3(-83)	a_6-H_2O(-12)	y_5(-27)
651.2053	**669.2239**	**695.2982**	**760.3563**	**811.3286**	**819.3312**	**820.3475**	**874.3880**	**971.4605**	**1086.4804**
b_6-H_2O(-31) YSSEDP-28(-87) PNEDIV-NH_3(-143)	b_6(-18)	y_{12}^{+2}(-17)	y_6(-36)	MH-H_2O^{+2}(-29)		MH^{+2}(-12)	SSEDPNED(94) y_7(-44)	SEDPNEDIV-28(30) y_8(-19)	SSEDPNEDIV(20) y_9(-24)

[–] **Main Sequence Ions**

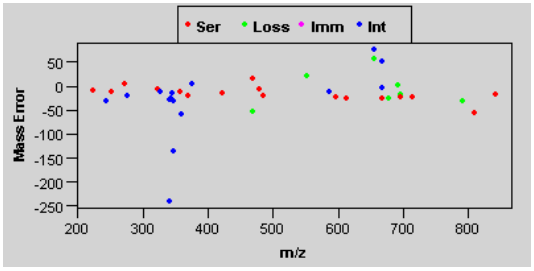
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1552.6762	776.8417
338.1347	3	S	1389.6128	695.3101
425.1667	4	S	1302.5808	651.7940
554.2093	5	E	1215.5488	608.2780
669.2362	6	D	1086.5062	543.7567
766.2890	7	P	971.4793	486.2433
880.3319	8	N	874.4265	437.7169
1009.3745	9	E	760.3836	380.6954
1124.4015	10	D	631.3410	316.1741
1237.4855	11	I	516.3140	258.6606
1336.5539	12	V	403.2300	202.1186
1465.5965	13	E	304.1615	152.5844
---	14	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAFQVIETQDPPR^{+3}



Max Intensity: **13.6**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **91.5%** Matched Series Intensity: **91.5%**



Sequence SYAFQVIETQDPPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H112 N19 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1651.8274	1650.8122	826.4174	825.9097	551.2807	550.9423

[–] **Peak Matches**

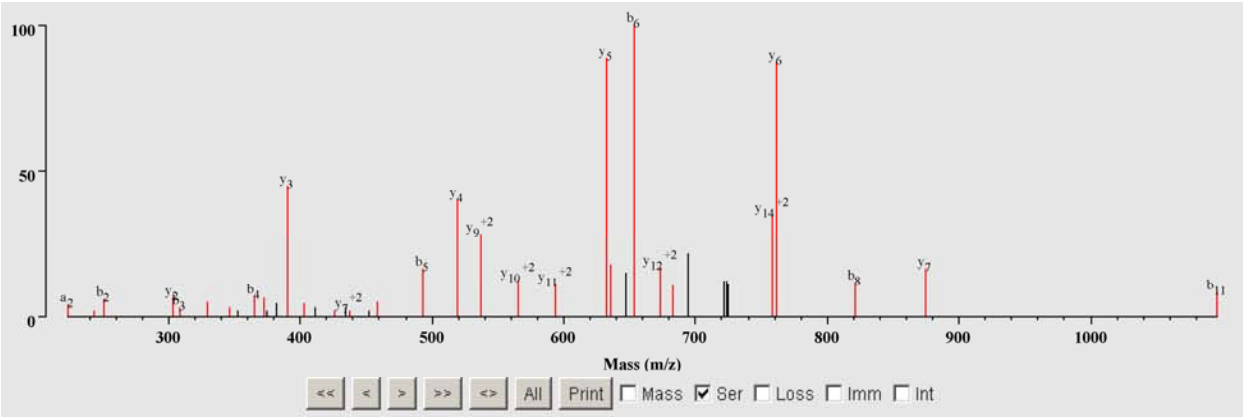
223.1054	243.1263	251.0997	272.1728	276.1284	299.1336	322.1378	327.1260	341.1361	344.1725
a_2(-10)	IE(-31)	b_2(-12)	y_2(4.0)	a_3-H_2O(-21) FQ(-21)		b_3(-6.0)	TQD-H_2O(-12)	ETQ-H_2O(-28) QDP(-28) QVI(-241)	IET(-26)
345.1354	**347.1606**	**351.2020**	**357.1784**	**359.1345**	**361.2074**	**369.2169**	**375.2046**	**405.2156**	**421.6971**
TQD(-15)	AFQ(-31) FQV-28(-136)		y_6^{+2}(-11)	ETQ(-60)		y_3(-21)	FQV(5.1)		y_7^{+2}(-16)
469.2156	**478.2429**	**484.2416**	**544.9405**	**548.2953**	**551.2736**	**587.2600**	**597.2524**	**606.2892**	**612.2936**
b_4(16) y_8-H_2O^{+2}(-53)	y_8^{+2}(-6.1)	y_4(-20)			a_5-H_2O(22)	IETQD(-12)	b_5(-24)		y_5(-27)
656.3748	**668.3231**	**678.3069**	**691.8582**	**696.3184**	**713.3412**	**769.4635**	**791.3834**	**809.3751**	**842.3854**
IETQDP-28(76) y_{11}-H_2O^{+2}(56)	ETQDPP(52) VIETQD-H_2O(-2.8) a_6(-26)	b_6-H_2O(-26)	y_{12}-H_2O^{+2}(2.0)	y_6-NH_3(-18) b_6(-24)	y_6(-23)		b_7-H_2O(-32)	b_7(-55)	y_7(-18)

[–] **Main Sequence Ions**

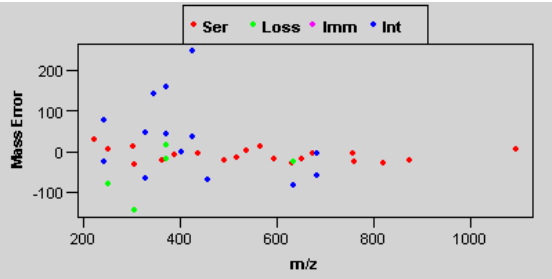
b			y	y^{+2}
---	1	S 14	---	---
251.1026	2	Y 13	1563.7802	782.3937
322.1397	3	A 12	1400.7169	700.8621
469.2082	4	F 11	1329.6797	665.3435
597.2667	5	Q 10	1182.6113	591.8093
696.3352	6	V 9	1054.5527	527.7800
809.4192	7	I 8	955.4843	478.2458
938.4618	8	E 7	842.4003	421.7038
1039.5095	9	T 6	713.3577	357.1825
1167.5681	10	Q 5	612.3100	306.6586
1282.5950	11	D 4	484.2514	242.6293
1379.6478	12	P 3	369.2245	185.1159
1476.7005	13	P 2	272.1717	136.5895
---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGQC(Carbamidomethyl)PAC(Carbamidomethyl)GGPTLELESQR^{+3}



Max Intensity: **7.26**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **87.2%** Matched Series Intensity: **87.2%**



Sequence: SYGGQC(Carbamidomethyl)PAC(Carbamidomethyl)GGPTLELESQR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C88 H140 N27 O33 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2168.0526	2166.9543	1084.5300	1083.9808	723.3558	722.9896

[–] Peak Matches

223.1139	243.1277	251.1042	303.1809	308.1138	329.1063	346.1666	352.1268	365.1378	372.1928
a_2(28)	GGQ(78) LE(-26) EL(-26)	b_2(6.2) y_4-H_2O^{+2}(-81)	y_2(11)	b_3(-33) y_5-NH_3^{+2}(-145)	GQC(Carbamidomethyl)-NH_3(45) PAC(Carbamidomethyl)(-65) C(Carbamidomethyl)PA(-65)	AC(Carbamidomethyl)GG(141) GQC(Carbamidomethyl)(141)		b_4(-21)	C(Carbamidomethyl)GGP(159) ELE(44) y_6-H_2O^{+2}(14) y_3-H_2O(-17)
374.1401	**382.1595**	**390.2060**	**403.1395**	**411.1686**	**426.2498**	**434.1417**	**437.7326**	**452.1814**	**458.1931**
		y_3(-9.1)	GGQC(Carbamidomethyl)(0.17)		GQC(Carbamidomethyl)P-NH_3(248) GGPTL(35)		y_7^{+2}(-5.7)		LESQ(-69)
493.1930	**519.2437**	**536.7870**	**565.3025**	**593.7946**	**632.3182**	**635.2086**	**647.2453**	**653.2218**	**673.8179**
b_5(-23)	y_4(-16)	y_9^{+2}(3.2)	y_{10}^{+2}(11)	y_{11}^{+2}(-20)	y_5(-28)	b_6-H_2O(-25) YGGQC(Carbamidomethyl)P-28(-82)		b_6(-20)	y_{12}^{+2}(-6.2)
683.3203	**694.7941**	**721.3343**	**723.2788**	**725.2850**	**757.8632**	**761.3587**	**821.3021**	**874.4440**	**1095.4059**
LELESQ-NH_3(-6.4) PTLELE(-60)					y_{14}^{+2}(-5.0)	y_6(-26)	b_8(-27)	y_7(-22)	b_{11}(7.0)

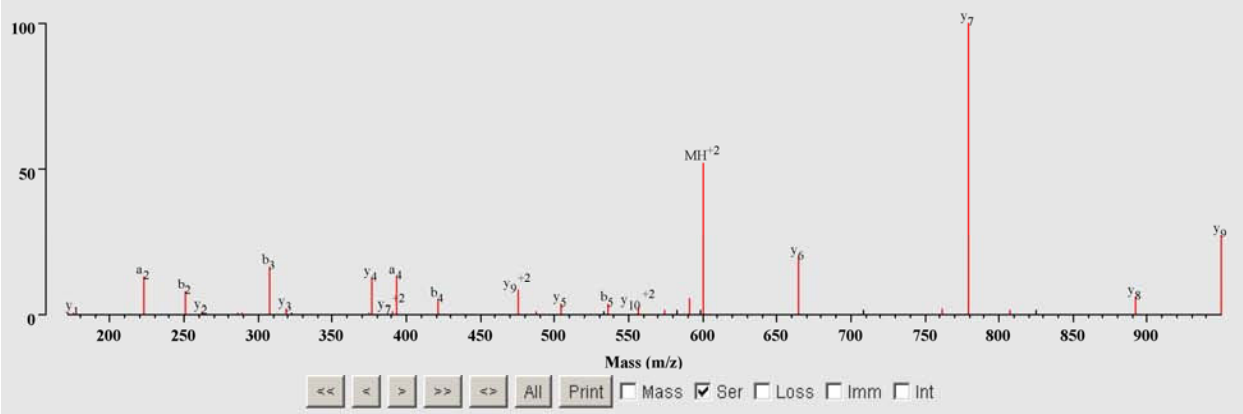
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	20	---	---
251.1026	2	Y	19	2079.9222	1040.4648
308.1241	3	G	18	1916.8589	958.9331
365.1456	4	G	17	1859.8375	930.4224
493.2041	5	Q	16	1802.8160	901.9116
653.2348	6	C(Carbamidomethyl)	15	1674.7574	837.8823
750.2876	7	P	14	1514.7268	757.8670
821.3247	8	A	13	1417.6740	709.3406
981.3553	9	C(Carbamidomethyl)	12	1346.6369	673.8221
1038.3768	10	G	11	1186.6062	593.8068
1095.3982	11	G	10	1129.5848	565.2960
1192.4510	12	P	9	1072.5633	536.7853
1293.4987	13	T	8	975.5106	488.2589
1406.5827	14	L	7	874.4629	437.7351
1535.6253	15	E	6	761.3788	381.1930
1648.7094	16	L	5	632.3362	316.6717

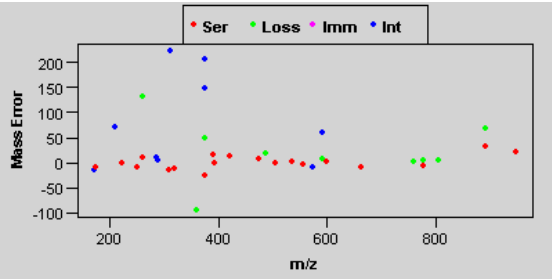
1777.7520	17	**E**	4	519.2522	260.1297
1864.7840	18	**S**	3	390.2096	195.6084
1992.8426	19	**Q**	2	303.1775	152.0924
---	20	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGIDC(Carbamidomethyl)QGGSR^{+2}



Max Intensity: **17.5**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **97.1%** Matched Series Intensity: **96.5%**



Sequence: SYGIDC(Carbamidomethyl)QGGSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C47 H75 N16 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1200.1145	1199.5110	600.5609	600.2591

[–] Peak Matches

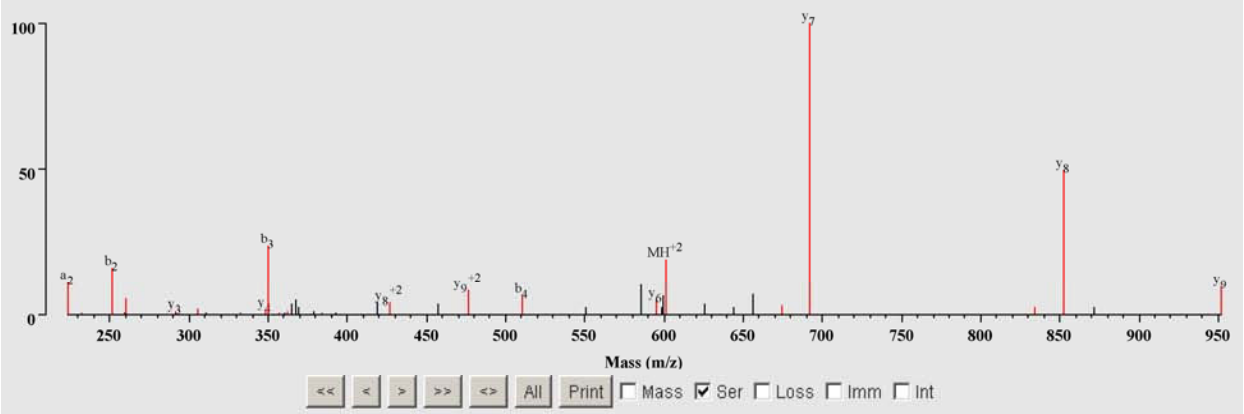
171.1100	175.1174	178.0847	211.1227	223.1074	251.1003	262.1533	286.1427	289.0979	308.1192
GI(-16)	y_1(-8.9)		ID-H_2O(71)	a_2(-1.4)	b_2(-9.3)	a_3-H_2O (132) y_2(8.8)	GID(10)	C(Carbamidomethyl)Q (4.8)	b_3(-16)
312.1999	**319.1688**	**322.1468**	**359.1331**	**375.2214**	**376.1846**	**383.1893**	**385.2487**	**390.1652**	**393.2130**
QGGS-H_2O (223)	y_3(-11)		y_4-NH_3(-95)	C(Carbamidomethyl)QGG-28 (205) a_4-H_2O(50)	DC(Carbamidomethyl)Q-28 (149) y_4(-25)			y_7^{+2}(17)	a_4(-0.63)
421.2136	**475.2155**	**487.2353**	**504.2522**	**533.2098**	**536.2368**	**556.7408**	**574.2245**	**582.2726**	**591.2579**
YGID-28(13) b_4(13)	y_9^{+2}(8.5)	y_5-NH_3 (19)	y_5(-0.57)		b_5(3.2)	y_{10}^{+2}(-4.1)	GIDC(Carbamidomethyl)Q(-7.8) IDC(Carbamidomethyl)QG(-7.8)		YGIDC(Carbamidomethyl)-H_2O (59) MH-H_2O^{+2}(6.9)
598.2173	**600.2609**	**664.2769**	**708.3089**	**761.3009**	**779.3060**	**807.3024**	**825.3182**	**892.4227**	**949.4353**
	MH^{+2} (3.0)	y_6(-9.4)		y_7-H_2O(1.8)	a_7-NH_3(4.0) y_7(-5.2)	b_7-NH_3(5.7)		a_9-H_2O(68) y_8(32)	y_9(21)

[–] Main Sequence Ions

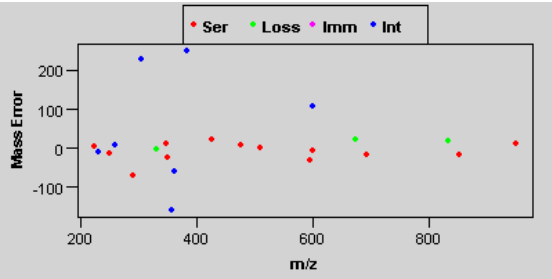
b			y	y^{+2}
---	1	**S**	---	---
251.1026	2	**Y**	1112.4789	556.7431
308.1241	3	**G**	949.4156	475.2114
421.2082	4	**I**	892.3941	446.7007
536.2351	5	**D**	779.3101	390.1587
696.2658	6	**C(Carbamidomethyl)**	664.2831	332.6452
824.3243	7	**Q**	504.2525	252.6299
881.3458	8	**G**	376.1939	188.6006
938.3673	9	**G**	319.1724	160.0899
1025.3993	10	**S**	262.1510	131.5791
---	11	**R**	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVC(Carbamidomethyl)PSC(Carbamidomethyl)GGSK^{+2}



Max Intensity: **7.14**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **81.9%** Matched Series Intensity: **80.8%**



Sequence: SYVC(Carbamidomethyl)PSC(Carbamidomethyl)GGSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C48 H77 N14 O18 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1202.0278	1201.4976	601.5176	601.2524

[–] Peak Matches

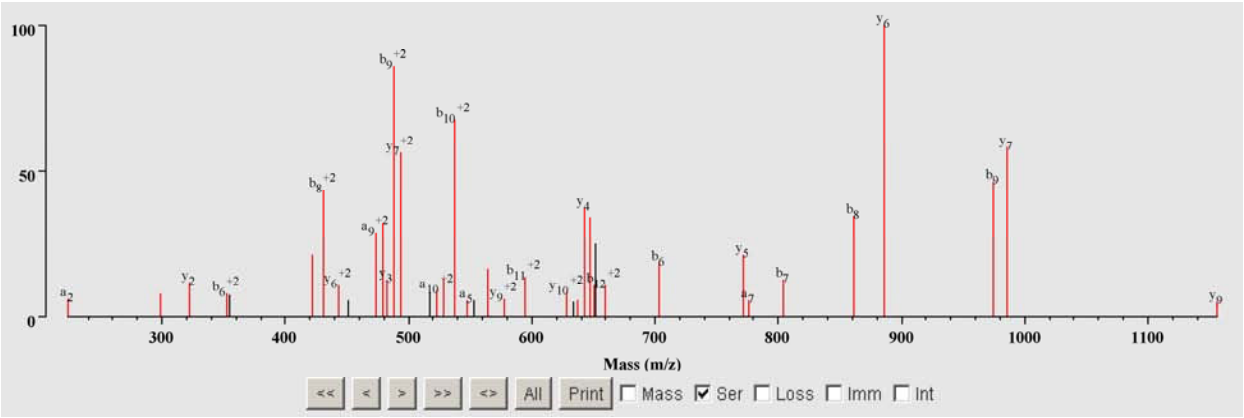
223.1088	232.1089	251.0988	259.1155	260.1083	291.1454	305.1607	311.1271	332.1599	348.1917
a_2(4.8)	VC(Carbamidomethyl)-28 (-11)	b_2(-15)		VC(Carbamidomethyl) (7.5)	y_3(-72)	SC(Carbamidomethyl)G (227)		b_3-H_2O(-1.8)	y_4(11)
350.1620	**357.1019**	**360.2047**	**362.0916**	**365.1129**	**367.1939**	**369.2045**	**379.1645**	**384.2295**	**393.1135**
b_3(-26)	VC(Carbamidomethyl)P(-160)		SC(Carbamidomethyl)GG (-59) C(Carbamidomethyl)GGS (-59)					PSC(Carbamidomethyl)G-H_2O(250)	
419.1821	**426.6801**	**457.2557**	**476.2085**	**510.2018**	**550.2807**	**585.2982**	**595.2323**	**598.2682**	**599.2503**
	y_8^{+2}(22)		y_9^{+2}(7.8)	b_4(0.20)			y_6(-30)		
601.2492	**625.2949**	**644.2577**	**656.3212**	**674.3067**	**692.2911**	**834.3377**	**852.3194**	**871.4006**	**951.4137**
C(Carbamidomethyl)PSC(Carbamidomethyl) GG-H_2O(106) MH^{+2}(-5.4)				y_7-H_2O(21)	y_7(-17)	y_8-H_2O(17)	y_8(-17)		y_9(12)

[–] Main Sequence Ions

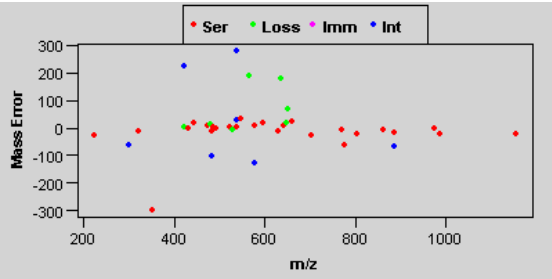
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1114.4656	557.7364
350.1710	3	V	9	951.4023	476.2048
510.2017	4	C(Carbamidomethyl)	8	852.3338	426.6706
607.2545	5	P	7	692.3032	346.6552
694.2865	6	S	6	595.2504	298.1289
854.3171	7	C(Carbamidomethyl)	5	508.2184	254.6128
911.3386	8	G	4	348.1878	174.5975
968.3601	9	G	3	291.1663	146.0868
1055.3921	10	S	2	234.1448	117.5761
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYRAPQTGIVDEC(Carbamidomethyl)C(Carbamidomethyl)FR^{+3}



Max Intensity: **8.93**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **93.8%** Matched Series Intensity: **93.6%**



Sequence: SYRAPQTGIVDEC(Carbamidomethyl)C(Carbamidomethyl)FR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C82 H128 N25 O27 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1959.8805	1958.8847	980.4440	979.9460	653.9651	653.6331

[–] Peak Matches

223.1018	299.1524	322.1824	352.0744	355.0711	422.2094	431.2136	443.6712	451.0774	473.7625
a_2(-27)	PQT-28(-63)	y_2(-15)	b_6^{+2}(-299)		EC(Carbamidomethyl)C(Carbamidomethyl)-28(221) b_8-H_2O^{+2}(0.88)	b_8^{+2}(-1.6)	y_6^{+2}(19)		a_9^{+2}(7.6)
478.7584	**482.2123**	**487.7582**	**493.1949**	**517.1394**	**523.2955**	**528.2800**	**537.2928**	**547.3180**	**552.6089**
b_9-H_2O^{+2}(15)	y_3(-12) QTGIV-NH_3(-101)	b_9^{+2}(3.8)	y_7^{+2}(-4.1)		a_{10}^{+2}(4.6)	b_{10}-H_2O^{+2}(-10.0)	DEC(Carbamidomethyl)C(Carbamidomethyl)-28(279) RAPQT-NH_3(28) b_{10}^{+2}(4.2)	a_5(35)	
564.3704	**578.2544**	**594.8157**	**628.7654**	**633.9564**	**636.9288**	**642.2541**	**647.6424**	**650.8568**	**651.1997**
y_{14}-H_2O^{+3}(188)	y_9^{+2}(8.1) PQTGIV-H_2O(-130)	b_{11}^{+2}(20)	y_{10}^{+2}(-13)		a_{12}-NH_3^{+2}(179)	y_4(8.5)	MH-H_2O^{+3}(20)	b_{12}-NH_3^{+2}(69)	
659.3393	**703.3310**	**771.2869**	**776.3545**	**804.3825**	**861.4128**	**886.3019**	**974.5027**	**985.3652**	**1155.4651**
b_{12}^{+2}(21)	b_6(-30)	y_5(-5.6)	a_7(-65)	b_7(-22)	b_8(-9.9)	y_6(-18) QTGIVDEC(Carbamidomethyl)-NH_3(-67)	b_9(-2.8)	y_7(-22)	y_9(-23)

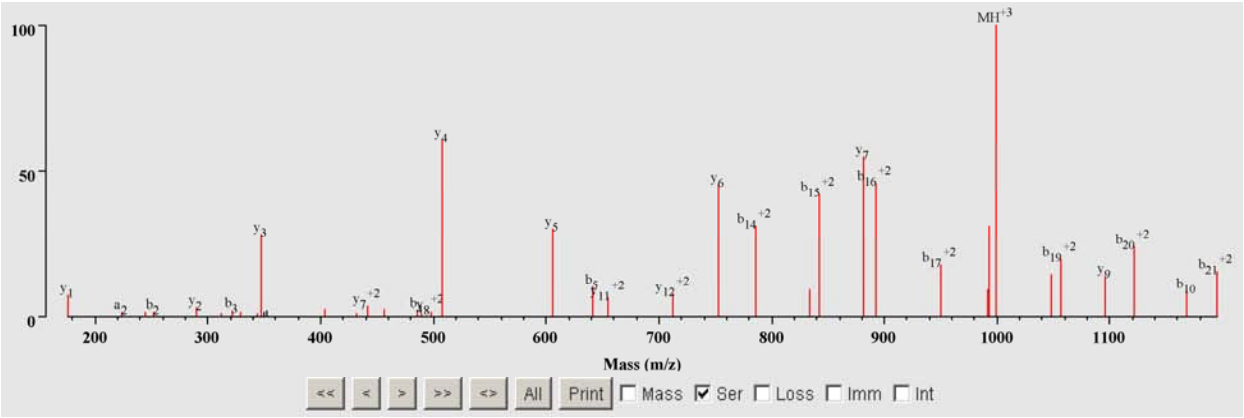
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1871.8527	936.4300
407.2037	204.1055	3	**R**	14	1708.7894	854.8983
478.2409	239.6241	4	**A**	13	1552.6883	776.8478
575.2936	288.1504	5	**P**	12	1481.6512	741.3292
703.3522	352.1797	6	**Q**	11	1384.5984	692.8028
804.3999	402.7036	7	**T**	10	1256.5398	628.7735
861.4213	431.2143	8	**G**	9	1155.4921	578.2497
974.5054	487.7563	9	**I**	8	1098.4707	549.7390
1073.5738	537.2905	10	**V**	7	985.3866	493.1969
1188.6008	594.8040	11	**D**	6	886.3182	443.6627
1317.6434	659.3253	12	**E**	5	771.2913	386.1493
1477.6740	739.3406	13	**C(Carbamidomethyl)**	4	642.2487	321.6280

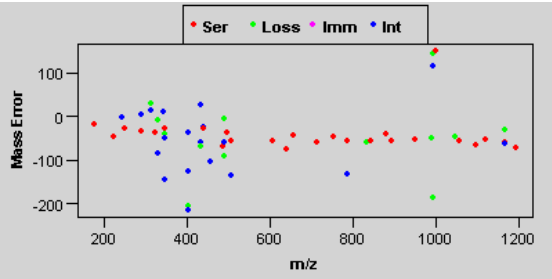
1637.7047	819.3560	14	**C(Carbamidomethyl)**	3	482.2180	241.6126
1784.7731	892.8902	15	**F**	2	322.1874	161.5973
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAYRPSETLC(Carbamidomethyl)GGELVDTLQFVC(Carbamidomethyl)GDR^{+3}



Max Intensity: **19.1**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.5%** Matched Series Intensity: **99.4%**



Sequence: SYAYRPSETLC(Carbamidomethyl)GGELVDTLQFVC(Carbamidomethyl)GDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C128 H198 N35 O44 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2995.0064	2993.3768	1498.0069	1497.1920	999.0071	998.4638

[–] Peak Matches

175.1158	223.0971	244.0926	251.0959	290.1363	312.1594	322.1280	329.1538	343.2013	347.1574
y_1(-18)	a_2(-48)	GGE(-0.81)	b_2(-27)	SET-28(5.6) y_2(-33)	b_5-H_2O^{+2}(29) DTL-H_2O(13)	b_3(-36)	y_3-H_2O(-9.1) GGEL-28(-86)	TLQ(11)	y_3(-29) a_6-NH_3^{+2}(-40) TLC(Carbamidomethyl)-28(-50) QFV-28(-145)
350.2253	**352.2277**	**404.1090**	**432.1655**	**441.1874**	**456.1978**	**485.1692**	**489.1840**	**497.7234**	**507.1696**
		C(Carbamidomethyl)GGE(-36) VC(Carbamidomethyl)GD-28(-126) b_7-H_2O^{+2}(-207) TLC(Carbamidomethyl)G-28(-216)	VC(Carbamidomethyl)GD(25) TLC(Carbamidomethyl)G(-59) y_7-H_2O^{+2}(-68)	DTLQ-NH_3(-24) y_7^{+2}(-29)	GGELV(-104)	b_4(-70)	y_4-H_2O(-7.0) TLC(Carbamidomethyl)GG(-58) C(Carbamidomethyl)GGEL-28(-58) LC(Carbamidomethyl)GGE-28(-58) y_8-NH_3^{+2}(-92)	y_8^{+2}(-38)	y_4(-56) QFVC(Carbamidomethyl)-28(-136)
606.2320	**641.2568**	**655.2853**	**711.8135**	**753.2990**	**786.2986**	**833.8295**	**842.8391**	**881.3582**	**892.3695**
y_5(-57)	b_5(-74)	y_{11}^{+2}(-44)	y_{12}^{+2}(-60)	y_6(-48)	b_{14}^{+2}(-57) VDTLQFV-NH_3(-133)	b_{15}-H_2O^{+2}(-61)	b_{15}^{+2}(-55)	y_7(-40)	b_{16}^{+2}(-56)
949.8828	**991.4008**	**992.6028**	**998.6143**	**1047.9434**	**1056.9391**	**1095.4539**	**1120.9693**	**1168.4938**	**1194.4782**
b_{17}^{+2}(-53)	b_{18}-H_2O^{+2}(-51)	MH-H_2O^{+3}(144) VDTLQFVC(Carbamidomethyl)G-28(117) MH-NH_3^{+3}(-187)	MH^{+3}(151)	b_{19}-H_2O^{+2}(-48)	b_{19}^{+2}(-57)	y_9(-65)	b_{20}^{+2}(-53)	y_{21}-NH_3^{+2}(-31) b_{10}(-59) LC(Carbamidomethyl)GGELVDTLQ-H_2O(-62)	b_{21}^{+2}(-71)

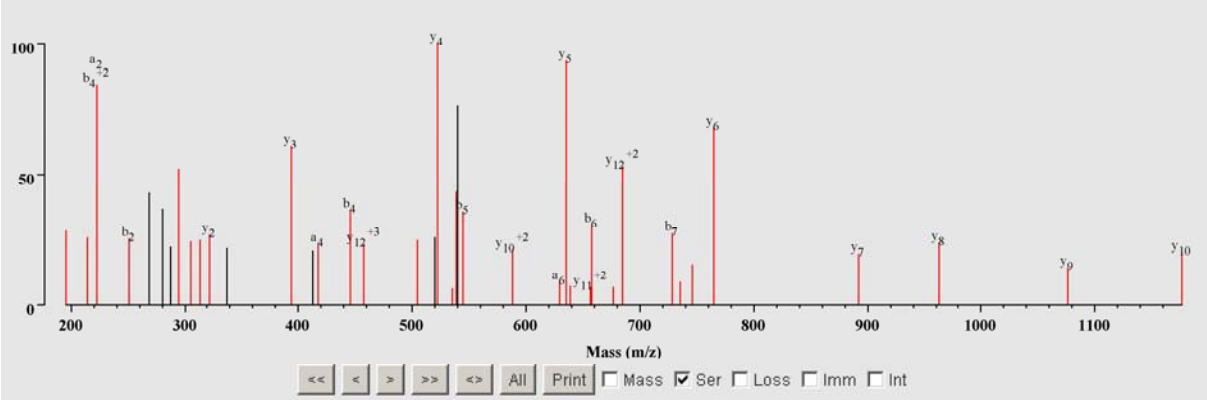
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	26	---	---
251.1026	---	2	Y	25	2906.3448	1453.6760
322.1397	---	3	A	24	2743.2814	1372.1444
485.2031	---	4	Y	23	2672.2443	1336.6258
641.3042	321.1557	5	R	22	2509.1810	1255.0941
738.3570	369.6821	6	P	21	2353.0799	1177.0436
825.3890	413.1981	7	S	20	2256.0271	1128.5172
954.4316	477.7194	8	E	19	2168.9951	1085.0012

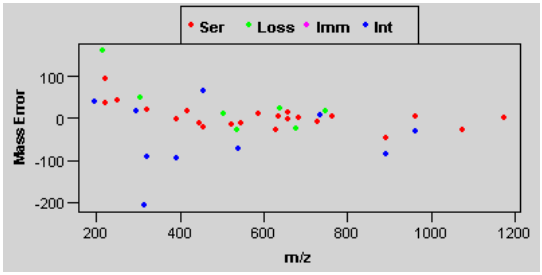
1055.4793	528.2433	9	**T**	18	2039.9525	1020.4799
1168.5633	584.7853	10	**L**	17	1938.9048	969.9560
1328.5940	664.8006	11	**C(Carbamidomethyl)**	16	1825.8207	913.4140
1385.6154	693.3114	12	**G**	15	1665.7901	833.3987
1442.6369	721.8221	13	**G**	14	1608.7686	804.8880
1571.6795	786.3434	14	**E**	13	1551.7472	776.3772
1684.7635	842.8854	15	**L**	12	1422.7046	711.8559
1783.8320	892.4196	16	**V**	11	1309.6205	655.3139
1898.8589	949.9331	17	**D**	10	1210.5521	605.7797
1999.9066	1000.4569	18	**T**	9	1095.5252	548.2662
2112.9906	1056.9990	19	**L**	8	994.4775	497.7424
2241.0492	1121.0283	20	**Q**	7	881.3934	441.2003
2388.1176	1194.5625	21	**F**	6	753.3348	377.1711
2487.1861	1244.0967	22	**V**	5	606.2664	303.6368
2647.2167	1324.1120	23	**C(Carbamidomethyl)**	4	507.1980	254.1026
2704.2382	1352.6227	24	**G**	3	347.1674	174.0873
2819.2651	1410.1362	25	**D**	2	290.1459	145.5766
---	---	26	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGHVLAKELEAFR^{+3}



Max Intensity: **6.89**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **81.3%** Matched Series Intensity: **81.2%**



Sequence SYGHVLAKELEAFR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H115 N20 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1620.8599	1619.8540	810.9337	810.4306	540.9583	540.6229

[–] **Peak Matches**

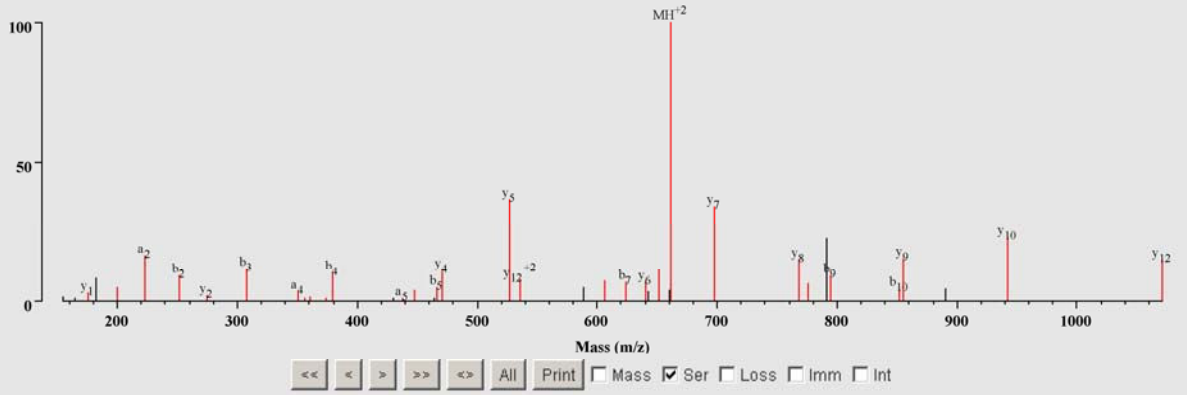
195.0954	214.1246	223.1159	251.1138	269.1371	281.0595	288.1415	294.1614	305.1765	313.1586
GH(40)	b_4-H_2O^{+2}(162)	b_4^{+2}(93) a_2(37)	b_2(44)				GHV(18)	y_2-NH_3(51)	LAK(-207)
322.1943	**337.1703**	**393.2237**	**412.1621**	**417.1957**	**445.1775**	**457.2488**	**504.2628**	**520.2410**	**522.2590**
y_2(22) HVL-28(-91)		y_3(-2.0) HVLA-28(-95)		a_4(18)	b_4(-12)	YGHV(64) y_{12}^{+3}(-20)	y_4-H_2O(12)		y_4(-15)
534.6046	**538.2848**	**539.3072**	**544.2448**	**588.3499**	**629.3232**	**635.3535**	**639.3410**	**656.8824**	**657.3336**
MH-H_2O^{+3}(-28)	LAKEL-NH_3(-72)		b_5(-12)	y_{10}^{+2}(12)	a_6(-28)	y_5(3.7)	b_6-H_2O(25)	y_{11}^{+2}(15)	b_6(-2.9)
676.3608	**685.3840**	**728.3668**	**735.4203**	**746.3964**	**764.3979**	**892.4488**	**963.5311**	**1076.5818**	**1175.6809**
y_{12}-H_2O^{+2}(-25)	y_{12}^{+2}(1.5)	b_7(-8.0)	GHVLAKE(7.5)	y_6-H_2O(18)	y_6(5.5)	y_7(-45) HVLAKELE-28(-85)	y_8(5.5) HVLAKELEA-28(-32)	y_9(-26)	y_{10}(2.2)

[–] **Main Sequence Ions**

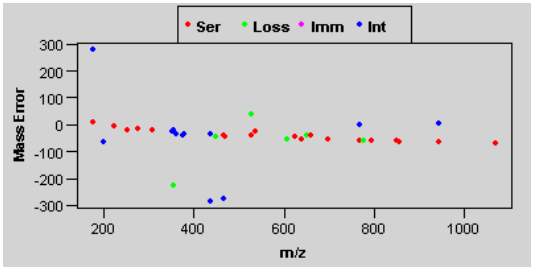
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1532.8220	766.9146
308.1241	---	3	**G**	12	1369.7587	685.3830
445.1830	223.0951	4	**H**	11	1312.7372	656.8722
544.2514	272.6293	5	**V**	10	1175.6783	588.3428
657.3355	329.1714	6	**L**	9	1076.6099	538.8086
728.3726	364.6899	7	**A**	8	963.5258	482.2665
856.4676	428.7374	8	**K**	7	892.4887	446.7480
985.5102	493.2587	9	**E**	6	764.3937	382.7005
1098.5942	549.8007	10	**L**	5	635.3511	318.1792
1227.6368	614.3220	11	**E**	4	522.2671	261.6372
1298.6739	649.8406	12	**A**	3	393.2245	197.1159
1445.7423	723.3748	13	**F**	2	322.1874	161.5973
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGASSAGLGPVVR^{+2}



Max Intensity: **527**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **88.0%** Matched Series Intensity: **84.6%**



Sequence SYGASSAGLGPVVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H94 N17 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1321.4847	1320.6906	661.2461	660.8490

[–] **Peak Matches**

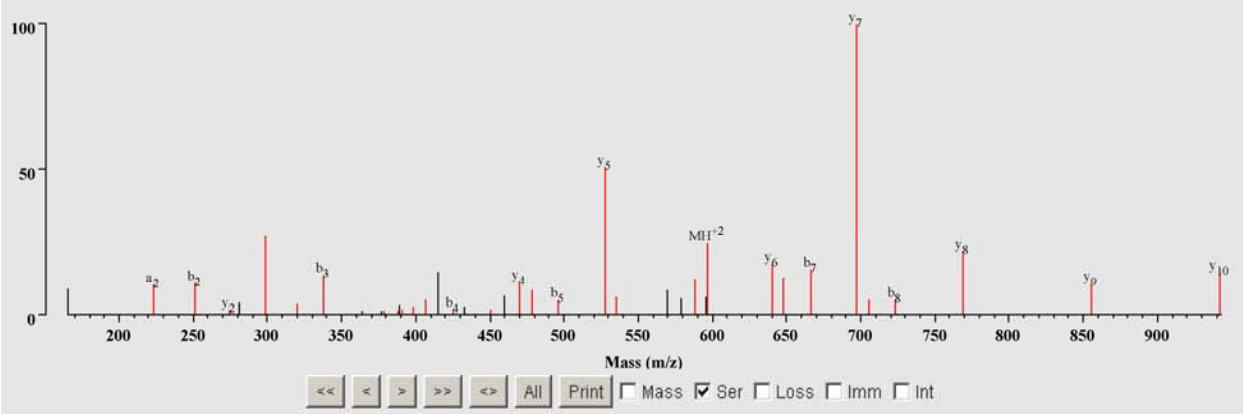
154.1251	165.0916	175.1202	182.1204	200.1267	223.1069	251.0976	274.1828	308.1171	351.1566
		SS(279) y_1(7.1)		GLG-28(-63)	a_2(-3.7)	b_2(-20)	y_2(-17)	b_3(-23)	a_4(-28) YGAS-28(-28)
356.1486	**361.1379**	**374.1512**	**379.1486**	**430.1527**	**438.1821**	**448.1629**	**464.2008**	**466.1746**	**470.2864**
GASSA-H_2O(-22) ASSAG-H_2O(-22) y_3-NH_3(-226)	b_4-H_2O(-35) YGAS-H_2O(-35)	GASSA(-42) ASSAG(-42)	b_4(-33) YGAS(-33)		a_5(-37) YGASS-28(-37) LGPVV-28(-286)	YGASS-H_2O(-44) b_5-H_2O(-44)		YGASS(-40) b_5(-40) LGPVV(-274)	y_4(-47)
527.3076	**535.7883**	**588.2217**	**606.2185**	**624.2335**	**640.3790**	**642.8169**	**651.8169**	**660.3225**	**660.8211**
y_{12}-NH_3^{+2}(37) y_5(-42)	y_{12}^{+2}(-24)		b_7-H_2O(-55)	b_7(-46)	y_6(-55)		MH-H_2O^{+2}(-41)		MH^{+2}(-42)
697.3956	**768.4260**	**776.3108**	**791.8096**	**794.3201**	**851.3369**	**855.4505**	**890.8619**	**942.4734**	**1070.5200**
y_7(-57)	SSAGLGPVV(1.3) y_8(-61)	b_9-H_2O(-60)		b_9(-60)	b_{10}(-62)	y_9(-63)		YGASSAGLGPV-H_2O(5.8) y_{10}(-67)	y_{12}(-70)

[–] **Main Sequence Ions**

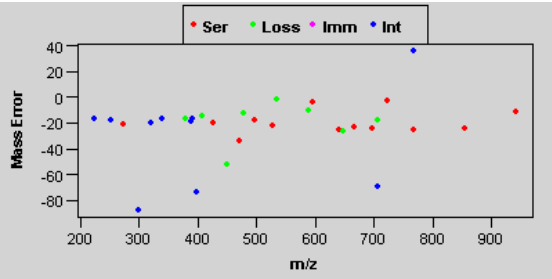
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1233.6586	617.3329
308.1241	3	G	12	1070.5953	535.8013
379.1612	4	A	11	1013.5738	507.2905
466.1932	5	S	10	942.5367	471.7720
553.2253	6	S	9	855.5047	428.2560
624.2624	7	A	8	768.4726	384.7400
681.2838	8	G	7	697.4355	349.2214
794.3679	9	L	6	640.4141	320.7107
851.3894	10	G	5	527.3300	264.1686
948.4421	11	P	4	470.3085	235.6579
1047.5106	12	V	3	373.2558	187.1315
1146.5790	13	V	2	274.1874	137.5973
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSAGLGPVVR^{+2}



Max Intensity: **39.8**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **86.6%** Matched Series Intensity: **87.3%**



Sequence SYSSAGLGPVVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C52 H86 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1193.3532	1192.6321	597.1803	596.8197

[–] **Peak Matches**

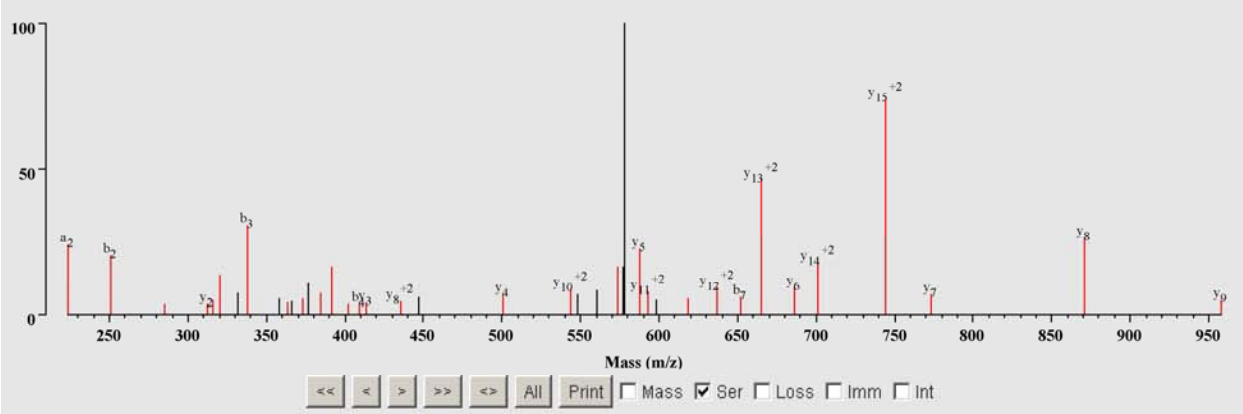
165.0744	223.1040	251.0982	274.1815	281.1352	299.1451	320.1177	338.1289	364.1347	377.1726
	a_2(-17) YS-28(-17)	b_2(-18) YS(-18)	y_2(-21)		AGLG(-88)	b_3-H_2O(-20) YSS-H_2O(-20)	b_3(-17) YSS(-17)		
379.1549	**388.2117**	**389.1391**	**391.1545**	**398.1738**	**407.1499**	**415.2051**	**425.1581**	**433.1661**	**450.1749**
a_4-H_2O(-17)	SSAGL-28(-19)		YSSA-H_2O(-17)	SSAGL-H_2O(-74)	b_4-H_2O(-15)		b_4(-20)		a_5-H_2O(-52)
460.1808	**470.2926**	**478.1870**	**496.1951**	**527.3183**	**535.2136**	**569.3200**	**578.8062**	**587.8084**	**595.2440**
	y_4(-34)	b_5-H_2O(-13)	b_5(-18)	y_5(-22)	b_6-H_2O(-2.1)			MH-H_2O^{+2}(-10)	
596.8176	**640.3981**	**648.2811**	**666.2937**	**697.4187**	**705.3072**	**723.3287**	**768.4530**	**855.4843**	**942.5252**
MH^{+2}(-3.5)	y_6(-25)	b_7-H_2O(-27)	b_7(-23)	y_7(-24)	b_8-H_2O(-18) YSSAGLGP-28(-70)	b_8(-2.9)	SSAGLGPVV(36) y_8(-26)	y_9(-24)	y_{10}(-12)

[–] **Main Sequence Ions**

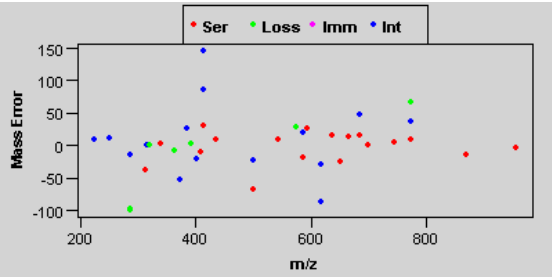
b			y	y^{+2}
---	1	S	12 ---	---
251.1026	2	Y	11 1105.6000	553.3037
338.1347	3	S	10 942.5367	471.7720
425.1667	4	S	9 855.5047	428.2560
496.2038	5	A	8 768.4726	384.7400
553.2253	6	G	7 697.4355	349.2214
666.3093	7	L	6 640.4141	320.7107
723.3308	8	G	5 527.3300	264.1686
820.3836	9	P	4 470.3085	235.6579
919.4520	10	V	3 373.2558	187.1315
1018.5204	11	V	2 274.1874	137.5973
---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAGSVESPSVSSTHR^{+3}



Max Intensity: **7.13**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **71.0%** Matched Series Intensity: **70.1%**



Sequence SYSAGSVESPSVSSTHR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C71 H113 N22 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1738.8191	1737.8038	869.9133	869.4056	580.2780	579.9395

[–] Peak Matches

223.1096	251.1057	285.1152	312.1659	316.1503	320.1245	332.1267	338.1358	358.1558	363.1637
a_2(8.4) YS-28(8.4)	b_2(12) YS(12)	SAGS-H_2O(-15) y_5-H_2O^{+2}(-98) y_8-NH_3^{+3}(-100)	y_2(-38)	VES(-0.038) SVE(-0.038)	b_3-H_2O(1.3)		b_3(3.4)		a_4-H_2O(-7.1)
366.1713	**373.1521**	**376.1549**	**384.1976**	**391.1620**	**402.1898**	**409.1673**	**413.2382**	**435.7288**	**447.1636**
	GSVE(-53) ESPS-28(-53)		SAGSV-H_2O(26)	b_4-H_2O(2.0)	SAGSV(-21)	b_4(-11)	SSTH(146) VESP(85) y_3(31)	y_8^{+2}(8.6)	
500.2240	**543.7675**	**548.3064**	**560.2190**	**573.9523**	**577.2428**	**578.3030**	**587.2784**	**593.3127**	**598.3262**
SVESP(-22) VESPS(-22) ESPSV(-22) y_4(-67)	y_{10}^{+2}(9.5)			MH-H_2O^{+3}(29)			SVESPS(19) ESPSVS(19) y_5(-19)	y_{11}^{+2}(27)	
618.2547	**636.8222**	**652.2782**	**665.3316**	**686.3680**	**700.8424**	**744.3612**	**773.3964**	**870.4294**	**957.4707**
SAGSVES(-30) SPSVSST-28(-88)	y_{12}^{+2}(15)	b_7(-24)	y_{13}^{+2}(13)	SVESPSV(47) VESPSVS(47) y_6(15)	y_{14}^{+2}(0.77)	y_{15}^{+2}(4.5)	b_{16}-H_2O^{+2}(67) SVESPSVS(37) VESPSVSS(37) y_7(8.2)	y_8(-15)	y_9(-4.3)

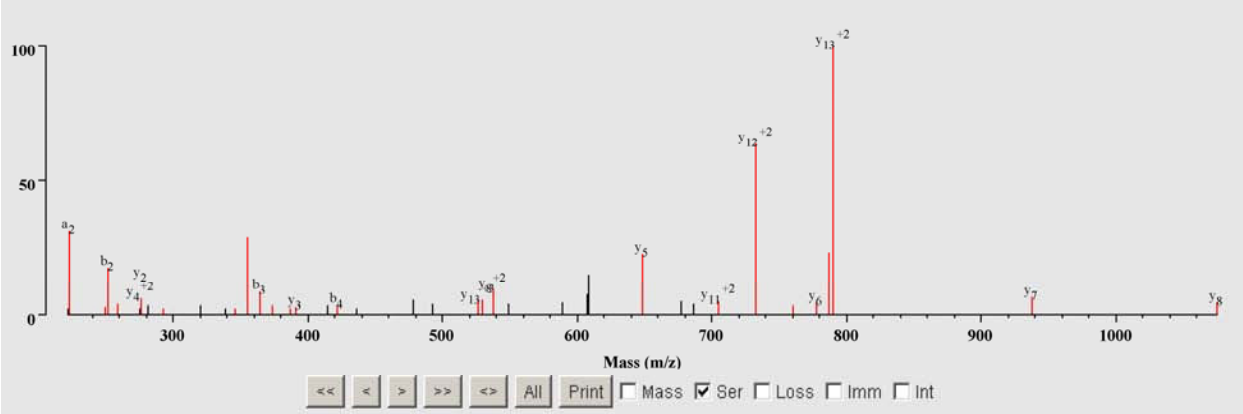
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	17	---	---
251.1026	---	2	Y	16	1650.7718	825.8895
338.1347	---	3	S	15	1487.7085	744.3579
409.1718	---	4	A	14	1400.6764	700.8419
466.1932	---	5	G	13	1329.6393	665.3233
553.2253	---	6	S	12	1272.6179	636.8126
652.2937	---	7	V	11	1185.5858	593.2966
781.3363	---	8	E	10	1086.5174	543.7624
868.3683	---	9	S	9	957.4748	479.2411
965.4211	---	10	P	8	870.4428	435.7250
1052.4531	---	11	S	7	773.3900	387.1987
1151.5215	---	12	V	6	686.3580	343.6826
1238.5535	---	13	S	5	587.2896	294.1484

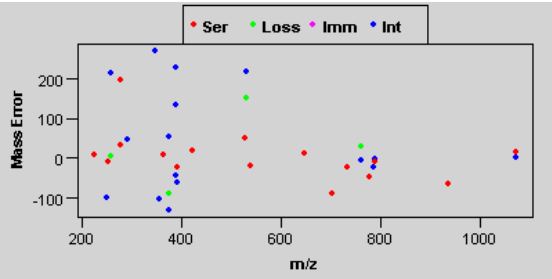
1325.5856	---	14	**S**	4	500.2576	250.6324
1426.6332	---	15	**T**	3	413.2255	207.1164
1563.6922	782.3497	16	**H**	2	312.1779	156.5926
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLGSFVHC(Carbamidomethyl)EPC(Carbamidomethyl)DEK^{+3}



Max Intensity: **5.91**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **84.5%** Matched Series Intensity: **84.5%**



Sequence: SYLGSFVHC(Carbamidomethyl)EPC(Carbamidomethyl)DEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H115 N20 O27 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1828.6988	1827.7676	914.8531	914.3875	610.2379	609.9274

[–] Peak Matches

221.0747	223.1099	249.1350	251.1002	258.1463	275.1039	276.1644	281.0550	292.1429	320.1311
	a_2(9.8)	YL-28(-99)	b_2(-9.7)	PC(Carbamidomethyl)(215) LGS(5.7) y_2-H_2O(5.7)		y_4^{+2}(197) y_2(33)		GSF(47)	
338.1313	**345.2159**	**355.0706**	**364.1893**	**373.1383**	**387.1854**	**391.1732**	**414.1724**	**421.2165**	**436.2220**
	PC(Carbamidomethyl)D-28(270)	PC(Carbamidomethyl)D-H_2O(-103)	b_3(7.1)	PC(Carbamidomethyl)D(55) y_3-H_2O(-90) GSFV-H_2O(-131)	C(Carbamidomethyl)DE-H_2O(229) C(Carbamidomethyl)EP(135) EPC(Carbamidomethyl)(135) LGSF-H_2O(-45)	y_3(-23) GSFV(-62)		YLGS(20) b_4(20)	
477.8031	**492.2444**	**526.5884**	**529.2695**	**537.6916**	**548.2722**	**588.2628**	**607.3425**	**608.3412**	**648.2744**
		y_{13}^{+3}(50)	C(Carbamidomethyl)EPC(Carbamidomethyl)-H_2O(219) y_8-NH_3^{+2}(152)	y_8^{+2}(-20)					y_5(13)
677.3173	**686.2998**	**704.2238**	**732.7811**	**760.3030**	**777.2723**	**786.3751**	**789.3342**	**937.2788**	**1074.4159**
		y_{11}^{+2}(-90)	y_{12}^{+2}(-23)	y_6-NH_3(28) SFVHC(Carbamidomethyl)E(-7.0)	y_6(-46)	YLGSFVH-H_2O(-23)	GSFVHC(Carbamidomethyl)E-28(-0.80) y_{13}^{+2}(-7.1)	y_7(-64)	y_8(17) GSFVHC(Carbamidomethyl)EPC(Carbamidomethyl)(2.5)

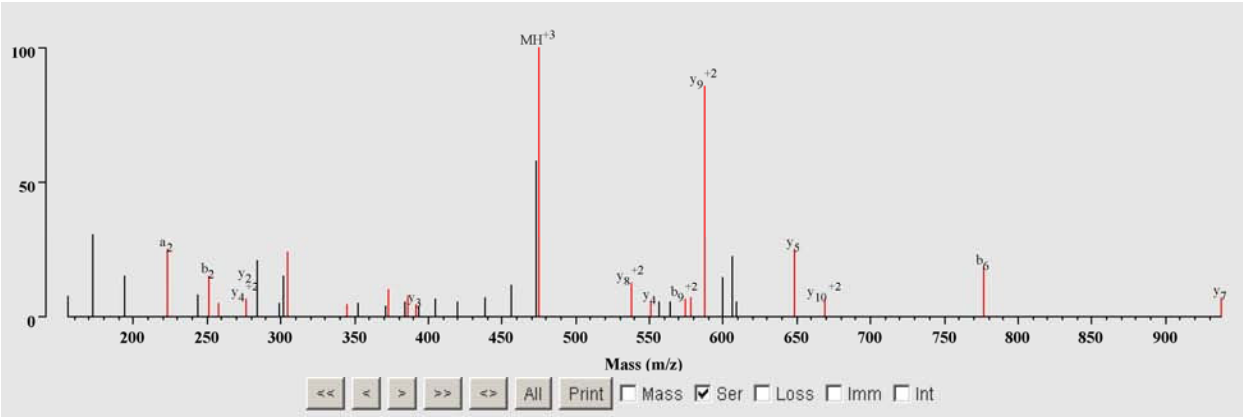
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1740.7356	870.8714
364.1867	---	3	**L**	13	1577.6723	789.3398
421.2082	---	4	**G**	12	1464.5882	732.7978
508.2402	---	5	**S**	11	1407.5668	704.2870
655.3086	---	6	**F**	10	1320.5347	660.7710
754.3770	---	7	**V**	9	1173.4663	587.2368
891.4359	446.2216	8	**H**	8	1074.3979	537.7026
1051.4666	526.2369	9	**C(Carbamidomethyl)**	7	937.3390	469.1731
1180.5092	590.7582	10	**E**	6	777.3083	389.1578

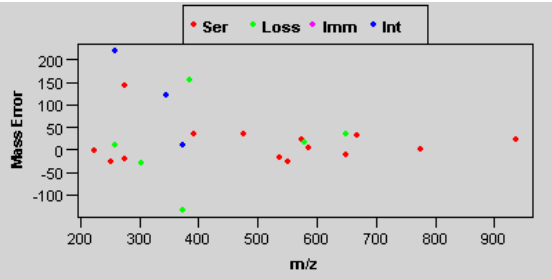
1277.5619	639.2846	11	**P**	5	648.2658	324.6365
1437.5926	719.2999	12	**C(Carbamidomethyl)**	4	551.2130	276.1101
1552.6195	776.8134	13	**D**	3	391.1823	196.0948
1681.6621	841.3347	14	**E**	2	276.1554	138.5813
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVHC(Carbamidomethyl)EPC(Carbamidomethyl)DEK^{+3}



Max Intensity: **4.58**
Num Matched: **19/40 (52.5% unmatched)** Matched Intensity: **58.9%** Matched Series Intensity: **52.0%**



Sequence: SYVHC(Carbamidomethyl)EPC(Carbamidomethyl)DEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C58 H87 N16 O22 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1424.2296	1423.5617	712.6185	712.2845	475.4148	475.1921

[–] Peak Matches

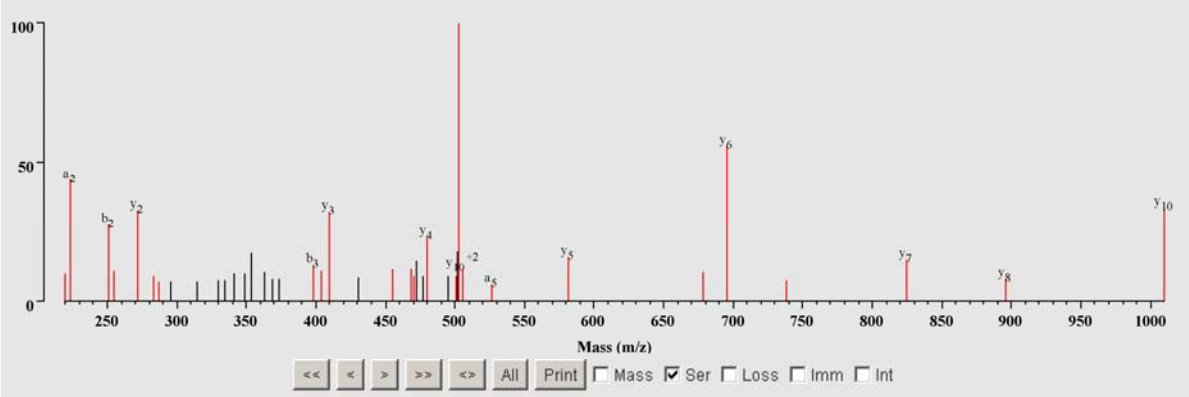
155.1004	172.1255	194.1153	223.1074	243.1844	251.0958	258.1474	276.1494	284.1384	299.1259
			a_2(-1.4)		b_2(-27)	PC(Carbamidomethyl)(220) y_2-H_2O(9.9)	y_4^{+2}(142) y_2(-22)		
302.1440	**304.1562**	**345.1640**	**352.2267**	**371.2023**	**373.1214**	**384.0903**	**386.2117**	**391.1960**	**393.1773**
	a_3-H_2O(-31)	PC(Carbamidomethyl)D-28(120)			PC(Carbamidomethyl)D(10) y_3-H_2O(-135)		y_9-NH_3^{+3}(156)	y_3(35)	
404.5493	**420.2196**	**438.2261**	**456.2605**	**473.2779**	**475.2093**	**537.6931**	**551.1981**	**556.8033**	**563.7418**
					MH^{+3}(36)	y_8^{+2}(-18)	y_4(-27)		
574.7236	**578.2415**	**587.2387**	**599.7485**	**606.2984**	**609.2596**	**648.2592**	**668.7903**	**776.3046**	**937.3589**
b_9^{+2}(23)	y_9-H_2O^{+2}(17)	y_9^{+2}(3.2)				b_{10}+H_2O^{+2}(34) y_5(-10)	y_{10}^{+2}(33)	b_6(1.8)	y_7(21)

[–] Main Sequence Ions

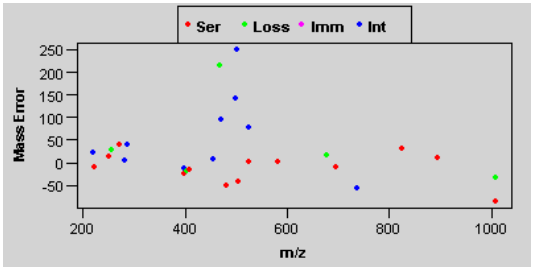
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1336.5296	668.7685
350.1710	---	3	**V**	9	1173.4663	587.2368
487.2300	244.1186	4	**H**	8	1074.3979	537.7026
647.2606	324.1339	5	**C(Carbamidomethyl)**	7	937.3390	469.1731
776.3032	388.6552	6	**E**	6	777.3083	389.1578
873.3560	437.1816	7	**P**	5	648.2658	324.6365
1033.3866	517.1969	8	**C(Carbamidomethyl)**	4	551.2130	276.1101
1148.4136	574.7104	9	**D**	3	391.1823	196.0948
1277.4561	639.2317	10	**E**	2	276.1554	138.5813
---	---	11	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFVGGAENTAHPR^{+3}



Max Intensity: **1.15**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **77.9%** Matched Series Intensity: **77.9%**



Sequence SYFVGGAENTAHPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C66 H97 N20 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1506.6275	1505.7132	753.8175	753.3602	502.8808	502.5759

[–] **Peak Matches**

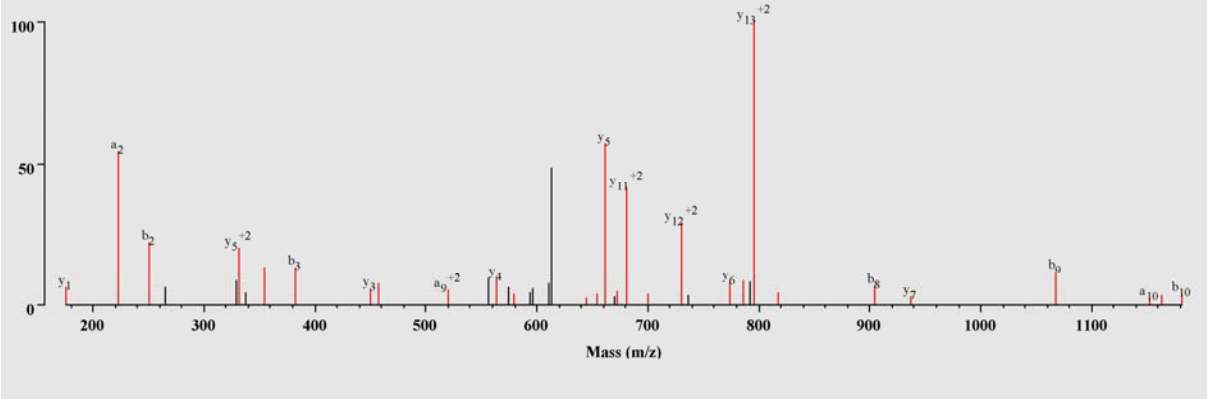
219.1540	223.1057	251.1062	255.1520	272.1826	283.1452	287.1468	295.2162	314.1650	330.1719
FV-28(22)	a_2(-9.0)	b_2(14)	y_2-NH_3(27)	y_2(40)	YF-28(3.9)	NTA(41) GGAE-28(41) AEN-28(41)			
334.1925	**341.1293**	**349.2083**	**353.1490**	**363.1389**	**369.1855**	**373.1712**	**398.1615**	**403.6909**	**409.2240**
							ENTA-H_2O(-14) AENT-H_2O(-14) b_3(-24)	y_7-H_2O^{+2}(-20)	y_3(-16)
430.1887	**455.1916**	**468.3204**	**470.2331**	**472.3369**	**477.2200**	**480.2431**	**495.1715**	**500.3169**	**501.3504**
	GAENT-H_2O(6.8)	y_9-NH_3^{+2}(214)	AENTA-NH_3(96)			y_4(-51)		VGGAEN-28(141)	
502.3511	**505.2230**	**526.2671**	**581.3170**	**678.3423**	**695.3514**	**738.2737**	**824.4272**	**895.4465**	**1009.3940**
GGAENT-28(250)	y_{10}^{+2}(-42)	GAENTA-H_2O(79) a_5(2.1)	y_5(2.7)	y_6-NH_3(15)	y_6(-10.0)	GGAENTAH(-58)	y_7(32)	y_8(9.4)	b_{10}-NH_3(-32) y_{10}(-86)

[–] **Main Sequence Ions**

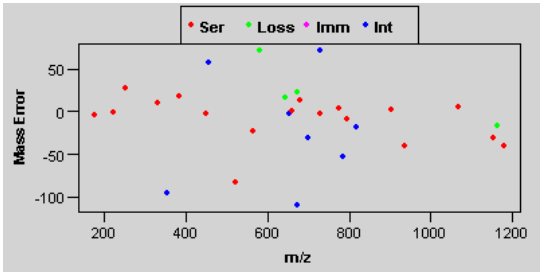
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1418.6811	709.8442
398.1710	---	3	F 12	1255.6178	628.3125
497.2395	---	4	V 11	1108.5494	554.7783
554.2609	---	5	G 10	1009.4810	505.2441
611.2824	---	6	G 9	952.4595	476.7334
682.3195	---	7	A 8	895.4381	448.2227
811.3621	---	8	E 7	824.4009	412.7041
925.4050	---	9	N 6	695.3583	348.1828
1026.4527	---	10	T 5	581.3154	291.1613
1097.4898	---	11	A 4	480.2677	240.6375
1234.5487	617.7780	12	H 3	409.2306	205.1190
1331.6015	666.3044	13	P 2	272.1717	136.5895
---	---	14	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMVPRAVYLPNC(Carbamidomethyl)DR^{+3}



Max Intensity: **25.9**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **79.8%** Matched Series Intensity: **79.8%**



Sequence: SYMVPRAVYLPNC(Carbamidomethyl)DR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H126 N23 O23 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1841.9967	1840.8833	921.5021	920.9453	614.6705	614.2993

[–] **Peak Matches**

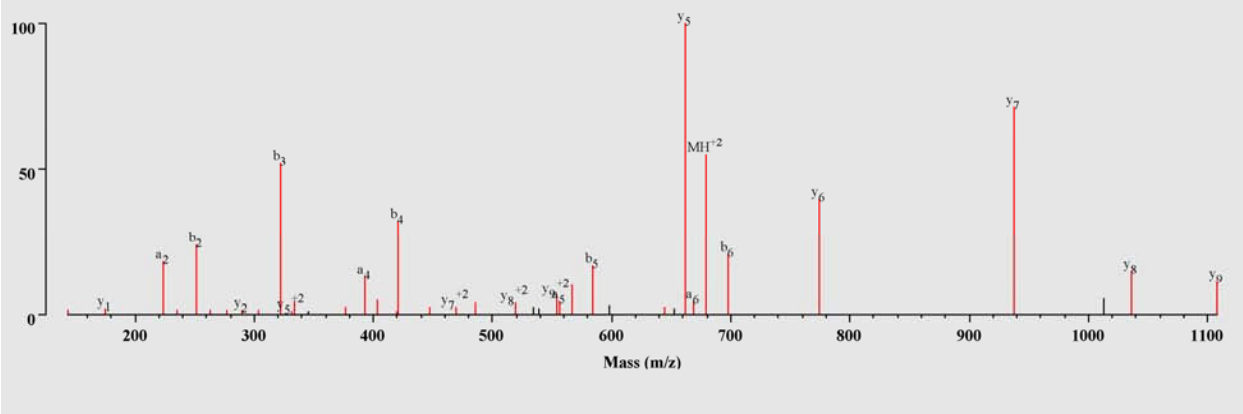
175.1184	223.1075	251.1093	265.0786	329.1949	331.1433	337.1252	355.0729	382.1500	450.1753
y_1(-3.2)	a_2(-0.98)	b_2(27)			y_5^{+2}(11)		PNC(Carbamidomethyl)-NH_3(-96)	b_3(18)	y_3(-2.8)
457.2488	**520.2302**	**556.3326**	**564.2063**	**574.3219**	**579.3268**	**594.2319**	**596.2475**	**611.2948**	**613.3486**
LPNC(Carbamidomethyl)-28(57)	a_9^{+2}(-83)		y_4(-23)		y_{14}-H_2O^{+3}(72)				
644.2558	**654.3744**	**661.2726**	**670.3541**	**672.3452**	**680.8519**	**700.3926**	**730.3757**	**736.9096**	**774.3597**
y_5-NH_3(16)	MVPRAV(-1.8)	y_5(0.55)		y_{11}-NH_3^{+2}(23) RAVYLP-28(-110) PRAVYL-28(-110)	y_{11}^{+2}(13)	PRAVYL(-31) RAVYLP(-31)	VYLPNC(Carbamidomethyl)-NH_3(72) y_{12}^{+2}(-2.3)		y_6(4.4)
786.4203	**791.4521**	**795.8912**	**817.4230**	**904.4734**	**937.3814**	**1067.5400**	**1152.5878**	**1163.5730**	**1180.5696**
RAVYLPN-28(-53)		y_{13}^{+2}(-8.0)	MVPRAVY(-19) YMVPRAV(-19)	b_8(2.7)	y_7(-41)	b_9(5.4)	a_{10}(-31)	b_{10}-NH_3(-16)	b_{10}(-41)

[–] **Main Sequence Ions**

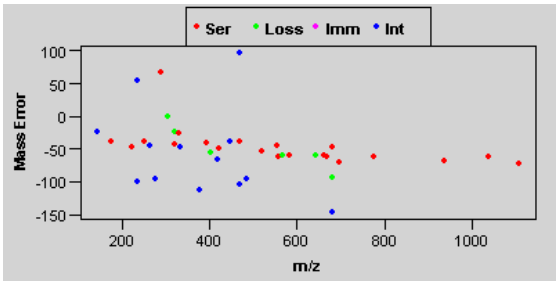
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1753.8513	877.4293
382.1431	---	3	M	13	1590.7879	795.8976
481.2115	---	4	V	12	1459.7474	730.3774
578.2643	---	5	P	11	1360.6790	680.8432
734.3654	367.6863	6	R	10	1263.6263	632.3168
805.4025	403.2049	7	A	9	1107.5252	554.2662
904.4709	452.7391	8	V	8	1036.4880	518.7477
1067.5343	534.2708	9	Y	7	937.4196	469.2135
1180.6183	590.8128	10	L	6	774.3563	387.6818
1277.6711	639.3392	11	P	5	661.2722	331.1398
1391.7140	696.3606	12	N	4	564.2195	282.6134
1551.7447	776.3760	13	C(Carbamidomethyl)	3	450.1765	225.5919
1666.7716	833.8894	14	D	2	290.1459	145.5766
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVYLPNC(Carbamidomethyl)DR^{+2}



Max Intensity: **184**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **97.0%** Matched Series Intensity: **96.6%**



Sequence: SYAVYLPNC(Carbamidomethyl)DR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H89 N16 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1358.3594	1357.6205	679.6834	679.3139

[–] **Peak Matches**

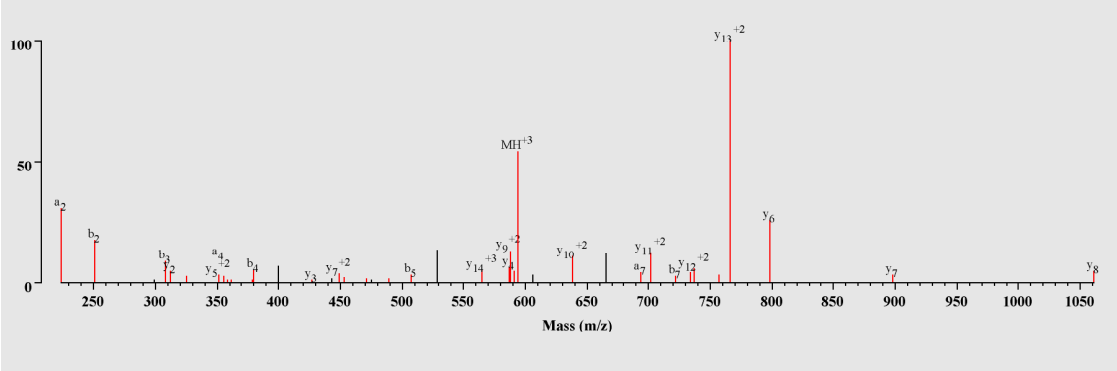
143.1143	175.1121	223.0971	235.1203	251.0929	263.1273	277.1282	290.1653	304.1289	322.1263
AV-28(-25)	y_1(-39)	a_2(-48)	YA(54) VY-28(-101)	b_2(-39)	VY(-45)	YL(-96)	y_2(67)	b_3-H_2O(-0.93)	y_5-H_2O^{+2}(-25) b_3(-42)
331.1313	**334.1605**	**345.1923**	**376.1805**	**393.1970**	**403.1754**	**419.2375**	**421.1872**	**447.2431**	**469.1955**
y_5^{+2}(-26)	AVY(-47) YAV(-47)		VYL(-113)	a_4(-41)	b_4-H_2O(-55)	AVYL-28(-66)	b_4(-50)	AVYL(-38)	PNC(Carbamidomethyl)D-H_2O(97) y_7^{+2}(-38) YAVY-28(-105)
485.1713	**518.7202**	**534.2635**	**539.2253**	**554.2414**	**556.2418**	**566.2276**	**584.2357**	**598.2543**	**644.2079**
LPNC(Carbamidomethyl)(-96)	y_8^{+2}(-53)			y_9^{+2}(-45)	a_5(-63)	b_5-H_2O(-59)	b_5(-61)		y_5-NH_3(-59)
652.3041	**661.2317**	**669.3187**	**679.2814**	**697.3066**	**774.3072**	**937.3560**	**1012.4777**	**1036.4223**	**1107.4457**
	y_5(-61)	a_6(-63)	MH^{+2}(-48) b_6-H_2O(-94) YAVYLP-28(-147)	b_6(-70)	y_6(-63)	y_7(-68)		y_8(-63)	y_9(-72)

[–] **Main Sequence Ions**

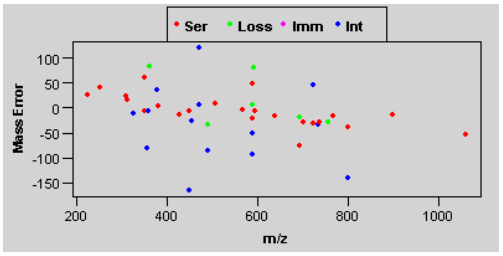
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1270.5885	635.7979
322.1397	3	A	9	1107.5252	554.2662
421.2082	4	V	8	1036.4880	518.7477
584.2715	5	Y	7	937.4196	469.2135
697.3556	6	L	6	774.3563	387.6818
794.4083	7	P	5	661.2722	331.1398
908.4512	8	N	4	564.2195	282.6134
1068.4819	9	C(Carbamidomethyl)	3	450.1765	225.5919
1183.5088	10	D	2	290.1459	145.5766
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGAQTLYVPNC(Carbamidomethyl)DHR^{+3}



Max Intensity: **51.2**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **89.9%** Matched Series Intensity: **87.8%**



Sequence: SYGAQTLYVPNC(Carbamidomethyl)DHR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C76 H114 N23 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1781.7909	1780.8071	891.3992	890.9072	594.6019	594.2739

[–] **Peak Matches**

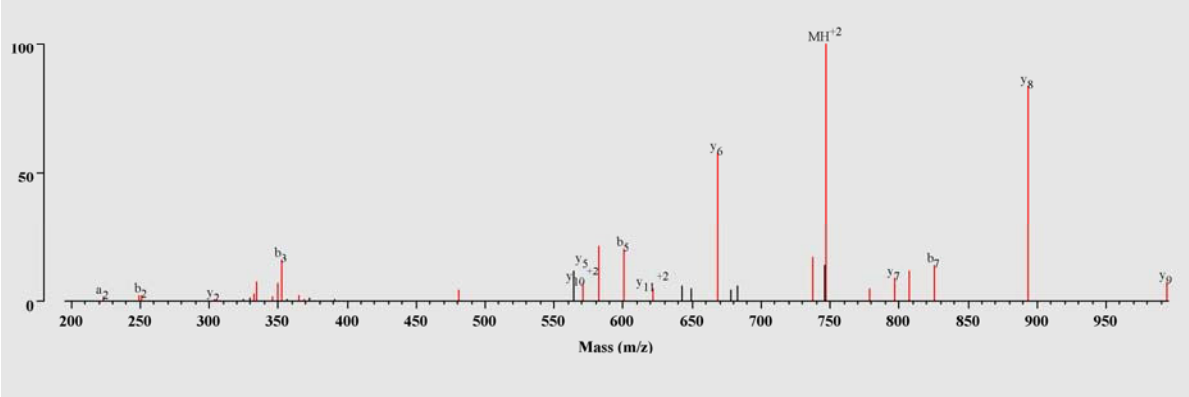
223.1138	251.1132	299.2003	308.1314	312.1829	325.1834	351.1639	355.0779	358.1695	361.1810
a_2(27)	b_2(42)		b_3(24)	y_2(16)	QTL-H_2O(-11)	y_5^{+2}(60) a_4(-6.8)	PNC(Carbamidomethyl)-NH_3(-82)	GAQT(-7.3)	b_4-H_2O(84)
378.2163	**379.1629**	**400.1727**	**427.1984**	**442.7103**	**449.2011**	**453.2335**	**471.2591**	**475.1807**	**489.1924**
TLY(37)	b_4(4.5)		y_3(-15)		y_7^{+2}(-5.2) TLYV-28(-166)	GAQTL-H_2O(-27)	VPNC(Carbamidomethyl)(121) GAQTL(6.2)		b_5-H_2O(-34) QTLY-NH_3(-86)
507.2239	**528.9324**	**565.2614**	**587.2640**	**588.2735**	**591.2887**	**594.2701**	**605.8117**	**637.7907**	**665.8342**
b_5(8.1)		y_{14}^{+3}(-3.2)	y_4(49) y_9^{+2}(-22) LYVPN(-93) QTLYV-H_2O(-93)	MH-H_2O^{+3}(5.3) QTLYV-NH_3(-50)	b_6-NH_3(81)	MH^{+3}(-6.4)		y_{10}^{+2}(-16)	
693.3045	**701.8098**	**721.3301**	**733.3635**	**737.3282**	**756.8331**	**765.8467**	**798.3010**	**897.3871**	**1060.4057**
y_{11}-NH_3^{+2}(-18) a_7(-75)	y_{11}^{+2}(-29)	YVPNC(Carbamidomethyl)D-28(45) b_7(-30)	GAQTLYV(-33)	y_{12}^{+2}(-28)	y_{13}-H_2O^{+2}(-28)	y_{13}^{+2}(-17)	y_6(-38) QTLYVPN-H_2O(-142)	y_7(-14)	y_8(-54)

[–] **Main Sequence Ions**

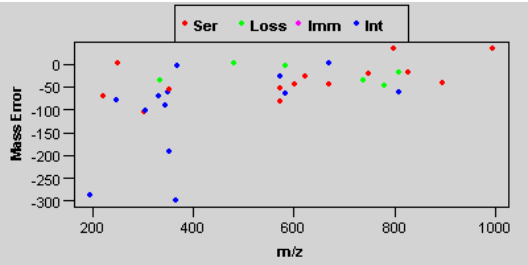
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1693.7751	847.3912
308.1241	---	3	**G**	13	1530.7118	765.8595
379.1612	---	4	**A**	12	1473.6903	737.3488
507.2198	---	5	**Q**	11	1402.6532	701.8302
608.2675	---	6	**T**	10	1274.5946	637.8010
721.3515	---	7	**L**	9	1173.5470	587.2771
884.4149	---	8	**Y**	8	1060.4629	530.7351
983.4833	---	9	**V**	7	897.3996	449.2034
1080.5360	---	10	**P**	6	798.3311	399.6692
1194.5790	---	11	**N**	5	701.2784	351.1428
1354.6096	---	12	**C(Carbamidomethyl)**	4	587.2355	294.1214
1469.6366	---	13	**D**	3	427.2048	214.1060
1606.6955	803.8514	14	**H**	2	312.1779	156.5926
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTFTPQPPGLER^{+2}



Max Intensity: **3.97**
Num Matched: **27/38 (28.9% unmatched)** Matched Intensity: **89.0%** Matched Series Intensity: **85.2%**



Sequence SYTFTPQPPGLER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H102 N17 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1493.6694	1492.7431	747.3384	746.8752

[–] **Peak Matches**

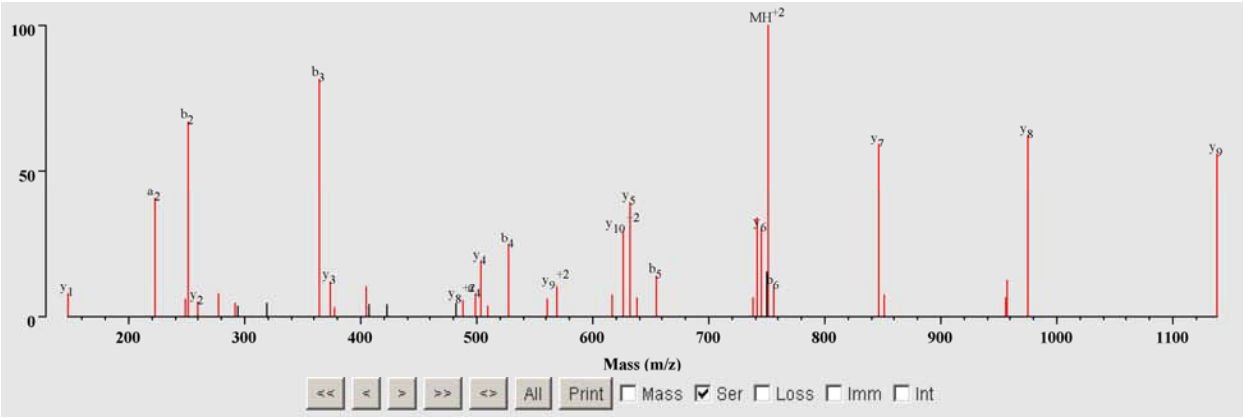
195.0567	223.0918	249.1034	251.1033	304.1298	306.1138	325.1915	329.1978	332.1375	334.1277
PP(-288)	a_2(-71)	TF(-80) FT(-80)	b_2(2.7)	y_2(-104)	a_3-H_2O(-101) QPP-NH_3(-101) PQP-NH_3(-101)			TFT-H_2O(-69)	b_3-H_2O(-36)
346.1442	**350.1496**	**352.1308**	**356.1045**	**365.1093**	**369.2118**	**373.0300**	**391.0781**	**481.2097**	**564.2318**
FTP(-92)	TFT(-61)	b_3(-55) QPPG-28(-191)		PPGL(-299)	PGLE-28(-3.9)			b_4-H_2O(3.2)	
571.2729	**582.2543**	**600.2400**	**621.8111**	**642.3204**	**649.0596**	**668.3424**	**678.3559**	**683.3027**	**737.8443**
FTPQP(-26) y_{10}^{+2}(-54) y_5(-82)	b_3-H_2O(-2.6) YTFTP-28(-65)	b_5(-44)	y_{11}^{+2}(-26)			FTPQPP(3.2) y_6(-45)			MH-H_2O^{+2}(-35)
746.3531	**746.8600**	**778.3841**	**796.4580**	**807.3535**	**825.3617**	**893.4466**	**994.5640**		
	MH^{+2}(-20)	y_7-H_2O(-47)	y_7(34)	b_7-H_2O(-17) YTFTPQP-28(-62)	b_7(-19)	y_8(-42)	y_9(33)		

[–] **Main Sequence Ions**

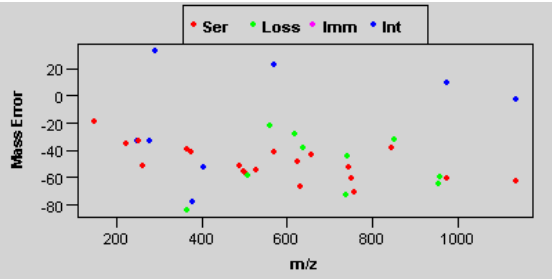
b				y	y^{+2}
---	1	**S**	13	---	---
251.1026	2	**Y**	12	1405.7110	703.3592
352.1503	3	**T**	11	1242.6477	621.8275
499.2187	4	**F**	10	1141.6000	571.3037
600.2664	5	**T**	9	994.5316	497.7694
697.3192	6	**P**	8	893.4839	447.2456
825.3777	7	**Q**	7	796.4312	398.7192
922.4305	8	**P**	6	668.3726	334.6899
1019.4833	9	**P**	5	571.3198	286.1636
1076.5047	10	**G**	4	474.2671	237.6372
1189.5888	11	**L**	3	417.2456	209.1264
1318.6314	12	**E**	2	304.1615	152.5844
---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLYQTIEENIK^{+2}



Max Intensity: **19.2**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **95.8%** Matched Series Intensity: **94.9%**



Sequence: SYLYQTIEENIK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C68 H106 N15 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1501.6866	1500.7581	751.3470	750.8827

[–] Peak Matches

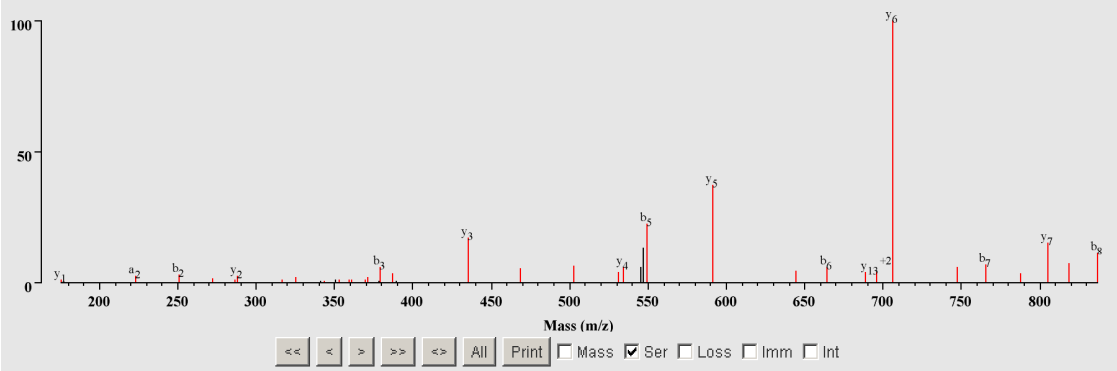
147.1100	223.1000	249.1516	251.0944	260.1835	277.1455	292.1390	294.1819	319.1472	364.1724
y_1(-19)	a_2(-35)	LY-28(-33) YL-28(-33)	b_2(-33)	y_2(-51)	LY(-33) YL(-33)	YQ(33)			b_3(-39) y_6-H_2O^{+2}(-84)
374.2245	**377.1889**	**405.1922**	**407.2141**	**423.2154**	**482.2032**	**487.7366**	**499.2278**	**503.2535**	**509.2092**
y_3(-41)	LYQ-28(-78)	LYQ(-52)				y_8^{+2}(-51)	a_4(-55)	y_4(-57)	b_4-H_2O(-59)
527.2213	**560.2756**	**569.2696**	**616.8124**	**625.8047**	**632.2823**	**638.2575**	**655.2805**	**738.2918**	**741.8447**
b_4(-54)	y_9-H_2O^{+2}(-22)	TIEEN-H_2O(23) y_9^{+2}(-41)	y_{10}-H_2O^{+2}(-28)	y_{10}^{+2}(-48)	y_5(-67)	b_5-NH_3(-38)	b_5(-43)	b_6-H_2O(-73)	MH-H_2O^{+2}(-44)
745.3700	**750.3805**	**750.8369**	**756.3029**	**846.4249**	**851.4028**	**956.4422**	**957.4317**	**974.4560**	**1137.5065**
y_6(-52)		MH^{+2}(-61)	b_6(-71)	y_7(-38)	b_7-H_2O(-32)	y_8-H_2O(-65)	y_8-NH_3(-60)	YQTIEENI-NH_3(9.7) LYQTIEEN-NH_3(9.7) y_8(-61)	YLYQTIEEN-NH_3(-3.0) y_9(-63)

[–] Main Sequence Ions

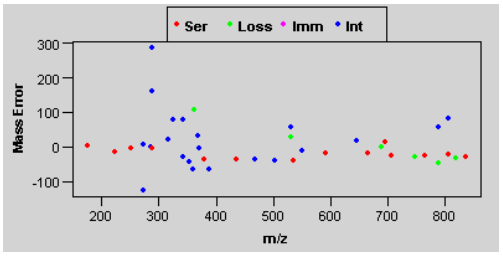
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1413.7260	707.3666
364.1867	3	L	10	1250.6627	625.8350
527.2500	4	Y	9	1137.5786	569.2930
655.3086	5	Q	8	974.5153	487.7613
756.3563	6	T	7	846.4567	423.7320
869.4403	7	I	6	745.4090	373.2082
998.4829	8	E	5	632.3250	316.6661
1127.5255	9	E	4	503.2824	252.1448
1241.5685	10	N	3	374.2398	187.6235
1354.6525	11	I	2	260.1969	130.6021
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQAVDTAVDGVFIR^{+3}



Max Intensity: **13.6**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **92.9%** Matched Series Intensity: **92.9%**



Sequence: SYQAVDTAVDGVFIR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H114 N19 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1641.8322	1640.8279	821.4198	820.9176	547.9490	547.6141

[–] **Peak Matches**

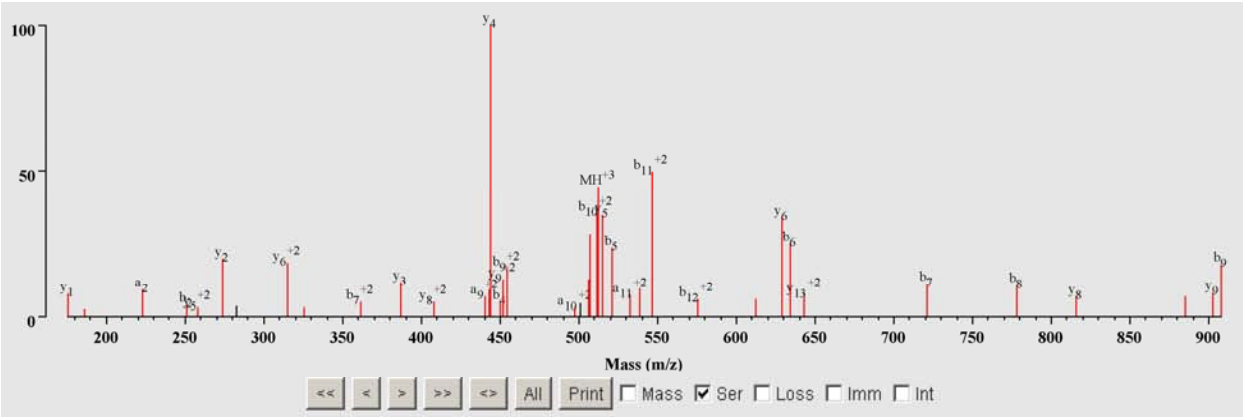
175.1193	223.1040	251.1012	272.1260	286.1390	288.2017	316.1571	325.1756	341.1431	343.1881
y_1(2.0)	a_2(-17)	b_2(-5.7)	VDG(7.0) DGV(7.0) TAV(-127)	AVD(-2.6)	DTA(287) VDT-28(161) y_2(-4.6)	VDT(21)	AVDG-H_2O(77)		AVDG(78) VDGV-28(-28)
350.1527	**353.1666**	**359.1685**	**361.1894**	**369.1878**	**371.1910**	**378.2689**	**379.1476**	**387.1624**	**389.1242**
	VDGV-H_2O(-43)	TAVD-28(-67) DTAV-28(-67) VDTA-28(-67) AVDT-28(-67)	b_3-H_2O(107)	TAVD-H_2O(30) DTAV-H_2O(30) VDTA-H_2O(30) AVDT-H_2O(30)	VDGV(-4.1)		b_3(-36)	DTAV(-65) TAVD(-65) VDTA(-65) AVDT(-65)	
435.2548	**468.2278**	**502.1947**	**531.2706**	**534.3184**	**545.2852**	**547.2862**	**549.2598**	**591.3500**	**644.3360**
y_3(-38)	VDTAV-H_2O(-37)	DTAVD(-39)	DTAVDG-28(56) b_5-H_2O(27)	y_4(-40)			b_5(-13) YQAVD-28(-13)	y_5(-19)	AVDTAVD-28(17)
664.2820	**688.3771**	**695.8798**	**706.3709**	**747.3081**	**765.3207**	**787.4076**	**805.4386**	**818.3399**	**836.3546**
b_6(-18)	y_6-H_2O(-0.85)	y_{13}^{+2}(14)	y_6(-25)	b_7-H_2O(-30)	b_7(-27)	DTAVDGVF-H_2O(58) y_7-H_2O(-49)	DTAVDGVF(82) y_7(-22)	b_8-H_2O(-34)	b_8(-29)

[–] **Main Sequence Ions**

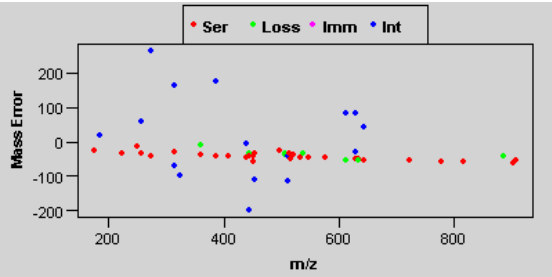
b			y	y^{+2}
---	1	**S**	15 ---	---
251.1026	2	**Y**	14 1553.7958	777.4016
379.1612	3	**Q**	13 1390.7325	695.8699
450.1983	4	**A**	12 1262.6739	631.8406
549.2667	5	**V**	11 1191.6368	596.3220
664.2937	6	**D**	10 1092.5684	546.7878
765.3414	7	**T**	9 977.5415	489.2744
836.3785	8	**A**	8 876.4938	438.7505
935.4469	9	**V**	7 805.4567	403.2320
1050.4738	10	**D**	6 706.3883	353.6978
1107.4953	11	**G**	5 591.3613	296.1843
1206.5637	12	**V**	4 534.3398	267.6736
1353.6321	13	**F**	3 435.2714	218.1394
1466.7162	14	**I**	2 288.2030	144.6051
---	15	**R**	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKAAISGENAGLVR^{+3}



Max Intensity: **122**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.7%** Matched Series Intensity: **98.5%**



Sequence SYKAAISGENAGLVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C66 H111 N20 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1536.7385	1535.8176	768.8730	768.4125	512.9178	512.6107

[–] Peak Matches

175.1146	186.0905	223.1000	251.0989	258.1602	274.1758	282.1195	315.1814	325.1551	361.1842
y_1(-25)	NA(17)	a_2(-35)	b_2(-15)	ISG(60) y_5^{+2}(-33)	SGE(264) y_2(-42)		ENA(163) y_6^{+2}(-28) AAIS-28(-68)	AAIS-H_2O(-98)	b_3-H_2O(-7.8) b_7^{+2}(-37)
387.2557	**408.2058**	**440.2119**	**443.2094**	**444.2739**	**450.2081**	**451.7194**	**454.2150**	**497.2400**	**500.9060**
ISGE(176) y_3(-41)	y_8^{+2}(-40)	AISGE-H_2O(-4.7) a_9^{+2}(-46)	y_9-NH_3^{+2}(-35) KAAIS-28(-199)	y_4(-43)	b_4(-59)	y_9^{+2}(-42)	b_9^{+2}(-32) KAAIS-NH_3(-112)	a_{10}^{+2}(-27)	
506.5880	**506.9182**	**511.2293**	**512.5933**	**515.3052**	**521.2512**	**532.7487**	**538.2390**	**546.7452**	**575.2532**
MH-H_2O^{+3}(-38)	MH-NH_3^{+3}(-34)	b_{10}^{+2}(-43) AAISGE-H_2O(-43) KAAISG-NH_3(-114)	MH^{+3}(-34)	y_5(-48)	b_5(-39)	a_{11}^{+2}(-44)	b_{11}-NH_3^{+2}(-32)	b_{11}^{+2}(-45)	b_{12}^{+2}(-47)
612.3126	**629.3420**	**634.3257**	**643.3315**	**721.3490**	**778.3654**	**815.3906**	**885.4059**	**902.4140**	**907.4017**
SGENAGL-NH_3(82) ISGENAG-NH_3(82) y_6-NH_3(-55)	SGENAGL(84) ISGENAG(84) KAAISGE-28(-31) y_6(-49)	YKAAIS(-48) b_6(-48) y_{13}-H_2O^{+2}(-53)	AAISGEN(42) AISGENA(42) y_{13}^{+2}(-52)	b_7(-54)	b_8(-56)	y_8(-57)	y_9-NH_3(-41)	y_9(-61)	b_9(-55)

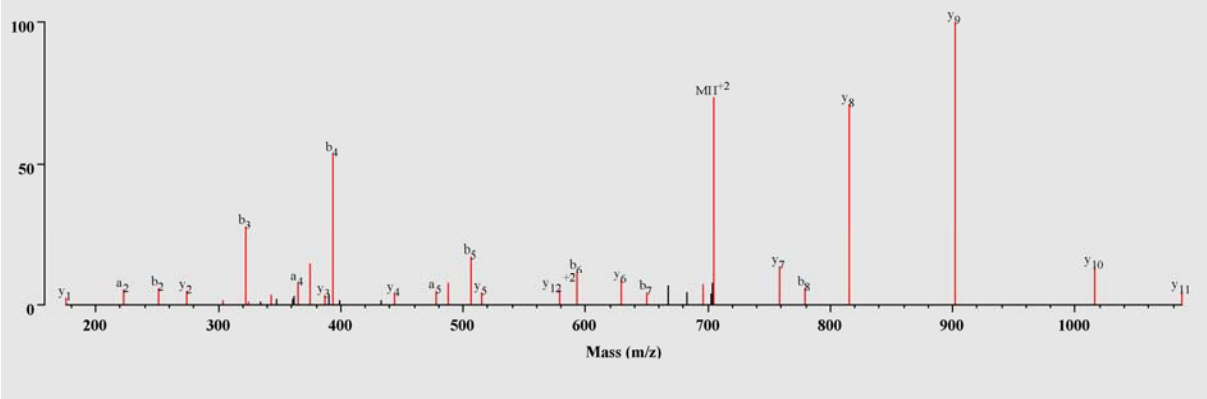
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 15	---	---
251.1026	---	2	Y 14	1448.7856	724.8964
379.1976	190.1024	3	K 13	1285.7223	643.3648
450.2347	225.6210	4	A 12	1157.6273	579.3173
521.2718	261.1396	5	A 11	1086.5902	543.7987
634.3559	317.6816	6	I 10	1015.5531	508.2802
721.3879	361.1976	7	S 9	902.4690	451.7381
778.4094	389.7083	8	G 8	815.4370	408.2221
907.4520	454.2296	9	E 7	758.4155	379.7114
1021.4949	511.2511	10	N 6	629.3729	315.1901
1092.5320	546.7696	11	A 5	515.3300	258.1686
1149.5535	575.2804	12	G 4	444.2929	222.6501
1262.6375	631.8224	13	L 3	387.2714	194.1394
1361.7060	681.3566	14	V 2	274.1874	137.5973

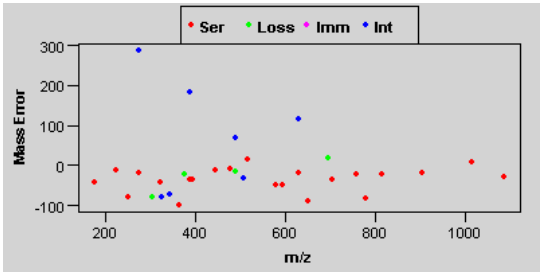
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAISGENAGLVR^{+2}



Max Intensity: **6.55**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **92.7%** Matched Series Intensity: **91.4%**



Sequence: SYAAISGENAGLVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H99 N18 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1408.5634	1407.7227	704.7854	704.3650

[–] **Peak Matches**

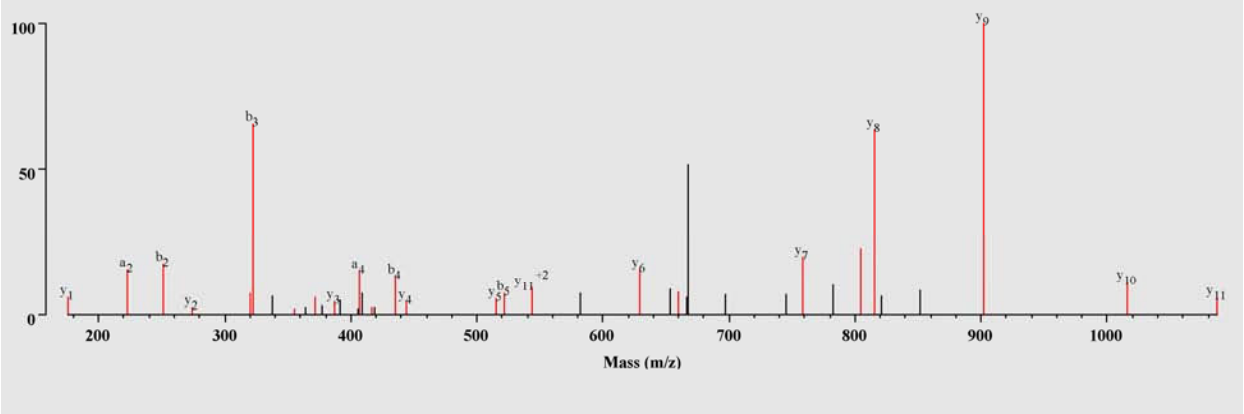
175.1112	223.1046	251.0823	274.1820	304.1050	322.1264	325.1607	334.1311	343.1727	348.1581
y_1(-44)	a_2(-14)	b_2(-81)	SGE(287) y_2(-20)	b_3-H_2O(-80)	b_3(-41)	AAIS-H_2O(-81)		AAIS(-73)	
361.0621	**362.1961**	**365.1455**	**375.1573**	**387.2578**	**390.1820**	**393.1623**	**399.0586**	**433.2038**	**444.2882**
		a_4(-100)	b_4-H_2O(-24)	ISGE(182) y_3(-35)		b_4(-37)			y_4(-11)
478.2617	**488.2428**	**506.2436**	**515.3372**	**579.2890**	**593.2642**	**629.3607**	**650.2562**	**667.2588**	**682.7634**
YAAIS-28(-9.0) a_5(-9.0)	SGENAG-28(67) YAAIS-H_2O(-15) b_5-H_2O(-15)	b_5(-34) YAAIS(-34)	y_5(14)	y_{12}^{+2}(-49)	b_6(-48)	SGENAGL(114) ISGENAG(114) y_6(-19)	b_7(-90)		
695.8645	**702.7477**	**703.3300**	**704.3394**	**758.3996**	**779.2928**	**815.4176**	**902.4518**	**1015.5627**	**1086.5601**
MH-NH_3^{+2}(18)			MH^{+2}(-36)	y_7(-21)	b_8(-82)	y_8(-24)	y_9(-19)	y_{10}(9.5)	y_{11}(-28)

[–] **Main Sequence Ions**

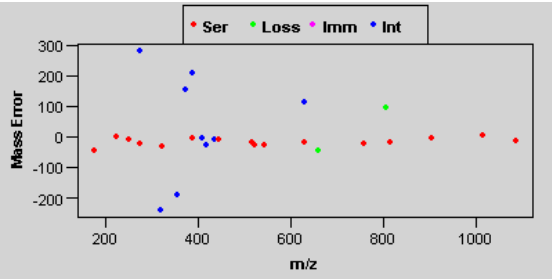
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1320.6906	660.8490
322.1397	3	A	1157.6273	579.3173
393.1769	4	A	1086.5902	543.7987
506.2609	5	I	1015.5531	508.2802
593.2930	6	S	902.4690	451.7381
650.3144	7	G	815.4370	408.2221
779.3570	8	E	758.4155	379.7114
893.3999	9	N	629.3729	315.1901
964.4371	10	A	515.3300	258.1686
1021.4585	11	G	444.2929	222.6501
1134.5426	12	L	387.2714	194.1394
1233.6110	13	V	274.1874	137.5973
---	14	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAISGENAGLVR^{+2}



Max Intensity: **12.3**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **75.2%** Matched Series Intensity: **74.9%**



Sequence SYAISGENAGLVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C57 H94 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1337.4841	1336.6856	669.2457	668.8464

[–] **Peak Matches**

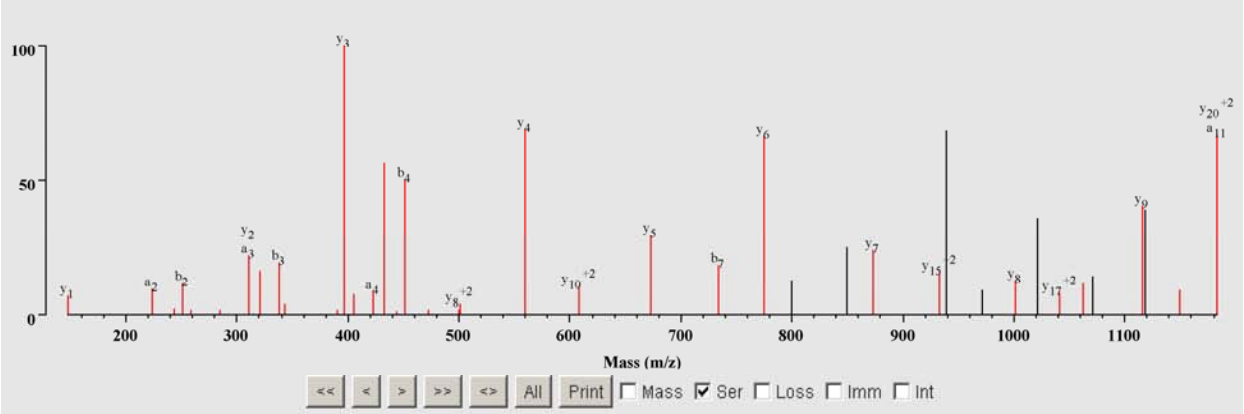
175.1112	223.1074	251.1003	274.1805	320.1198	322.1298	338.1311	355.0568	364.1550	372.2078
y_1(-44)	a_2(-1.4)	b_2(-9.3)	SGE(281) y_2(-25)	YAI-28(-241)	b_3(-31)		GENA-NH_3(-192) ENAG-NH_3(-192)		ENAG(152) GENA(152)
377.1840	**387.2689**	**391.1586**	**405.2025**	**407.2266**	**409.1695**	**417.2020**	**419.1957**	**435.2195**	**444.2882**
	ISGE(210) y_3(-6.5)			a_4(-5.6) YAIS-28(-5.6)		b_4-H_2O(-27) YAIS-H_2O(-27)		b_4(-9.9) YAIS(-9.9)	y_4(-11)
515.3200	**522.2424**	**543.7833**	**582.3548**	**629.3607**	**652.7881**	**659.8103**	**666.3179**	**667.3322**	**697.4309**
y_5(-19)	b_5(-26)	y_{11}^{+2}(-28)		ISGENAG(114) SGENAGL(114) y_6(-19)		MH-H_2O^{+2}(-47)			
745.3915	**758.3964**	**782.4429**	**804.4274**	**815.4230**	**820.4363**	**851.4299**	**902.4661**	**1015.5596**	**1086.5726**
	y_7(-25)		b_8-H_2O(93)	y_8(-17)			y_9(-3.2)	y_{10}(6.4)	y_{11}(-16)

[–] **Main Sequence Ions**

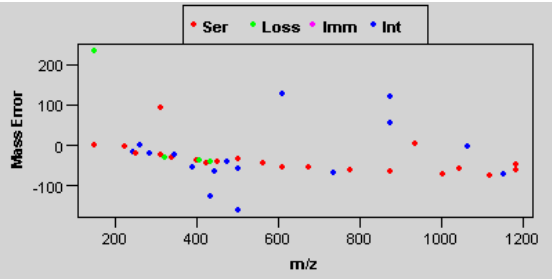
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1249.6535	625.3304
322.1397	3	A	11	1086.5902	543.7987
435.2238	4	I	10	1015.5531	508.2802
522.2558	5	S	9	902.4690	451.7381
579.2773	6	G	8	815.4370	408.2221
708.3199	7	E	7	758.4155	379.7114
822.3628	8	N	6	629.3729	315.1901
893.3999	9	A	5	515.3300	258.1686
950.4214	10	G	4	444.2929	222.6501
1063.5055	11	L	3	387.2714	194.1394
1162.5739	12	V	2	274.1874	137.5973
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLPGESEEMMEEVDQVTLYSYK^{+3}



Max Intensity: **123**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **77.6%** Matched Series Intensity: **77.5%**



Sequence: SYSLPGESEEMMEEVDQVTLYSYK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C122 H185 N26 O46 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2816.1048	2814.2372	1408.5561	1407.6222	939.3732	938.7506

[–] Peak Matches

147.1129	223.1069	244.0887	251.0976	259.0930	284.1183	310.1686	320.1138	338.1250	343.1534
y_2-NH_3^{+2}(234) y_1(0.65)	SY-28(-3.7) YS-28(-3.7) a_2(-3.7)	DQ(-17)	SY(-20) YS(-20) b_2(-20)	EE(2.1)	PGE(-20)	a_3(93) y_2(-24)	b_3-H_2O(-32)	b_3(-29)	PGES-28(-23) VDQ(-23) DQV(-23)
390.1115	**397.1938**	**405.1985**	**423.2055**	**433.1905**	**444.1810**	**451.2012**	**472.1846**	**500.1698**	**501.2518**
EEM(-55) MEE(-55)	LPGE(-36) y_3(-36)	a_4-H_2O(-36)	a_4(-43)	b_4-H_2O(-41) YSLP-28(-125)	DQVT(-63) EVDQ-28(-63)	b_4(-39)	PGESE-28(-41) EVDQ(-41)	PGESE(-58) YSLPG-H_2O(-161)	y_8^{+2}(-34)
560.2467	**608.2824**	**673.3181**	**734.2858**	**774.3556**	**800.2790**	**849.8078**	**873.4160**	**932.9229**	**938.6773**
y_4(-44)	SEEMM(127) y_{10}^{+2}(-56)	y_5(-56)	b_7(-68) YSLPGES(-68)	y_6(-62)			PGESEEMM-H_2O(119) LPGESEEM(57) y_7(-64)	y_{15}^{+2}(2.3)	
971.3191	**1001.4590**	**1020.8655**	**1040.8978**	**1062.3736**	**1071.3809**	**1116.4723**	**1118.9179**	**1149.3274**	**1182.4441**
	y_8(-71)		y_{17}^{+2}(-58)	SEEMMEEVD-H_2O(-1.7)		y_9(-76)		PGESEEMMEE(-70)	a_{11}(-46) y_{20}^{+2}(-61)

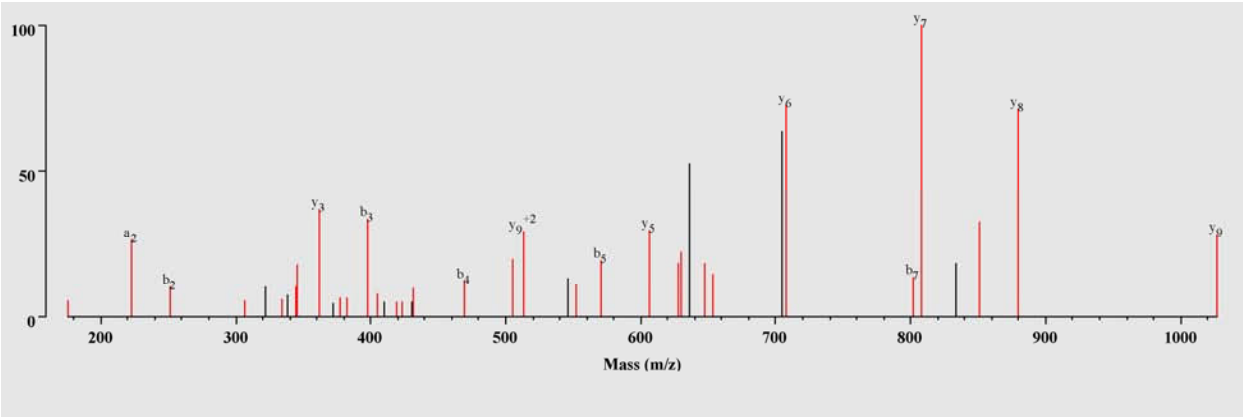
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	24 ---	---
251.1026	2	Y	23 2727.2052	1364.1062
338.1347	3	S	22 2564.1419	1282.5746
451.2187	4	L	21 2477.1098	1239.0586
548.2715	5	P	20 2364.0258	1182.5165
605.2930	6	G	19 2266.9730	1133.9901
734.3355	7	E	18 2209.9515	1105.4794
821.3676	8	S	17 2080.9090	1040.9581
950.4102	9	E	16 1993.8769	997.4421
1079.4528	10	E	15 1864.8343	932.9208
1210.4932	11	M	14 1735.7917	868.3995
1341.5337	12	M	13 1604.7513	802.8793
1470.5763	13	E	12 1473.7108	737.3590
1599.6189	14	E	11 1344.6682	672.8377
1698.6873	15	V	10 1215.6256	608.3164
1813.7143	16	D	9 1116.5572	558.7822

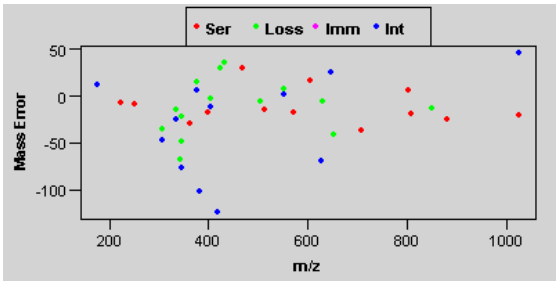
1941.7729	17	**Q**	8	1001.5302	501.2687
2040.8413	18	**V**	7	873.4716	437.2395
2141.8889	19	**T**	6	774.4032	387.7053
2254.9730	20	**L**	5	673.3556	337.1814
2418.0363	21	**Y**	4	560.2715	280.6394
2505.0684	22	**S**	3	397.2082	199.1077
2668.1317	23	**Y**	2	310.1761	155.5917
---	24	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)ATTMIQSK^{+2}



Max Intensity: **1.42**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **79.7%** Matched Series Intensity: **79.1%**



Sequence: SYM(Oxidation)ATTMIQSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C53 H90 N13 O19 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1277.3485	1276.5912	639.1779	638.7992

[–] Peak Matches

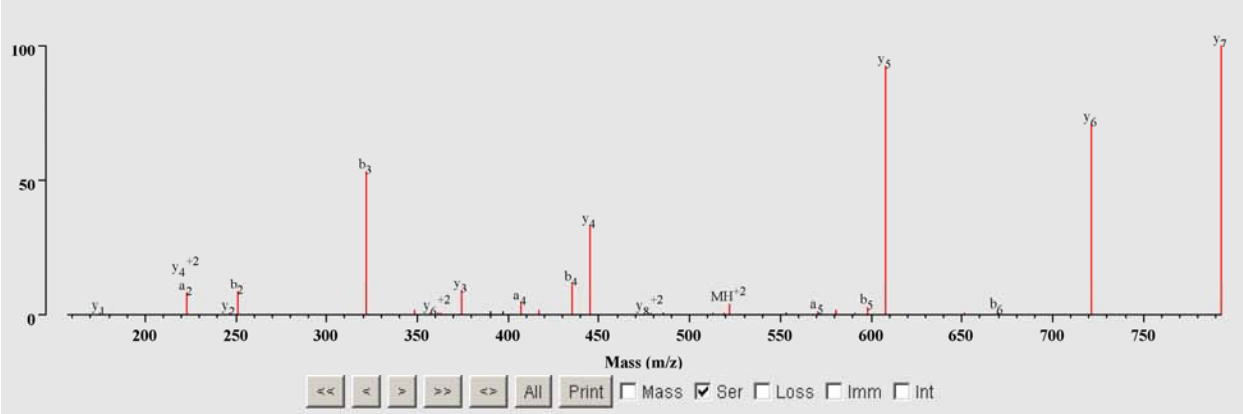
175.1099	223.1060	251.1003	306.1337	322.1264	334.1346	338.1015	344.1694	345.1693	362.1925
TT-28(12)	a_2(-7.7)	b_2(-9.3)	a_3-SOCH$_4$(-36) TTM-28(-47)		b_3-SOCH$_4$(-15) TTM(-25)		y_3-H$_2$O(-68)	y_3-NH$_3$(-22) y_6-H$_2$O^{+2}(-49) MIQ-28(-76)	y_3(-30)
372.1421	**377.1876**	**382.1044**	**398.1307**	**405.1759**	**410.1389**	**419.1802**	**423.1818**	**430.1772**	**431.2438**
	a_4-SOCH$_4$(15) ATTM-28(6.1)	YM(Oxidation)A(-101)	b_3(-18)	b_4-SOCH$_4$(-2.4) ATTM(-11)		TTMI-28(-124)	a_4-H$_2$O(29)		y_8-H$_2$O^{+2}(35)
469.1891	**504.7433**	**513.7441**	**546.2604**	**552.2163**	**570.2124**	**606.3380**	**628.2689**	**629.7905**	**636.3182**
b_4(30)	y_9-H$_2$O^{+2}(-5.9)	y_9^{+2}(-15)		b_5-H$_2$O(7.3) M(Oxidation)ATTM(1.2)	b_5(-18)	y_5(17)	ATTMIQ-H$_2$O(-69)	MH-H$_2$O^{+2}(-5.5)	
647.3052	**653.2332**	**704.3143**	**707.3495**	**802.3160**	**808.4081**	**833.3620**	**851.3857**	**879.4381**	**1026.4748**
M(Oxidation)ATTMI-H$_2$O(25)	b_6-H$_2$O(-41)		y_6(-37)	b_7(6.2)	y_7(-19)		b_8-SOCH$_4$(-13)	y_8(-25)	b_9-NH$_3$(46) YM(Oxidation)ATTMIQS-NH$_3$(46) y_9(-20)

[–] Main Sequence Ions

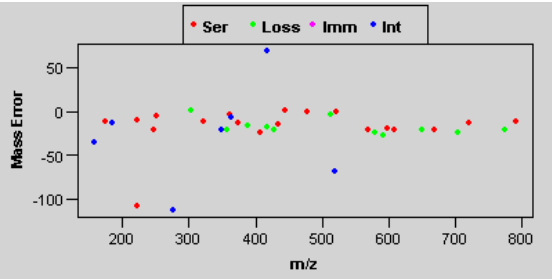
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1189.5592	595.2832
398.1380	3	M(Oxidation)	1026.4958	513.7516
469.1751	4	A	879.4604	440.2339
570.2228	5	T	808.4233	404.7153
671.2705	6	T	707.3756	354.1915
802.3110	7	M	606.3280	303.6676
915.3951	8	I	475.2875	238.1474
1043.4536	9	Q	362.2034	181.6053
1130.4857	10	S	234.1448	117.5761
---	11	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALYAQAR^{+2}



Max Intensity: **1065**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **99.0%** Matched Series Intensity: **99.0%**



Sequence SYALYAQAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C47 H72 N13 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1043.1744	1042.5316	522.0909	521.7694

[–] **Peak Matches**

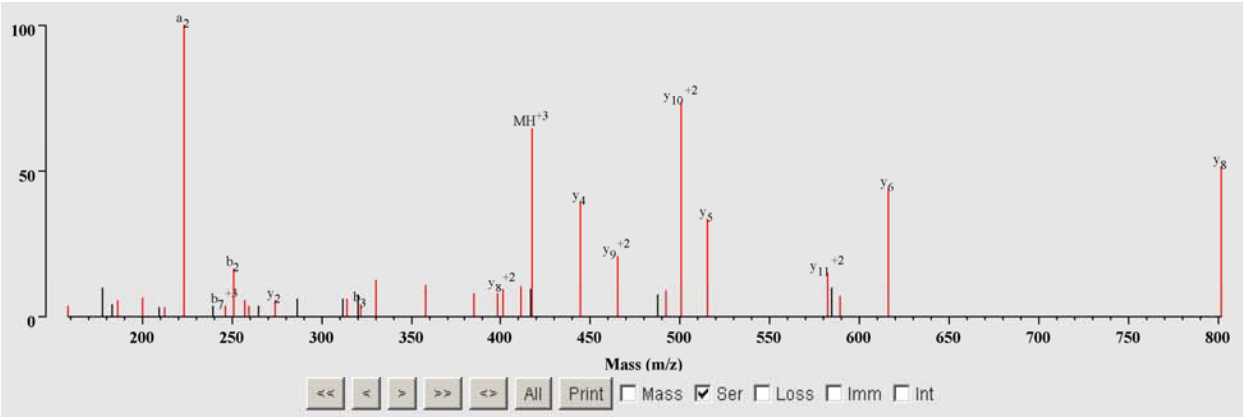
157.1279	175.1168	185.1259	223.1054	246.1508	251.1012	277.1233	304.1293	322.1361	348.1842
AL-28(-36)	y_1(-12)	AL(-14)	a_2(-10) y_4^{+2}(-108)	y_2(-21)	b_2(-5.7)	LY(-113)	b_3-H_2O(0.39)	b_3(-11)	YAL(-22) LYA(-22) ALY(-22)
357.1802	**361.2020**	**363.1637**	**374.2097**	**389.2119**	**390.1966**	**397.2187**	**407.2186**	**417.2056**	**428.2160**
y_3-NH_3(-22)	y_6^{+2}(-3.4)	YAQ(-7.1)	y_3(-13)	a_4-H_2O(-17)			a_4(-25)	YAQA-NH_3(69) b_4-H_2O(-18)	y_4-NH_3(-22)
435.2172	**440.1717**	**445.2521**	**478.2533**	**485.2002**	**512.7619**	**519.2573**	**521.7688**	**553.2555**	**570.2802**
b_4(-15)		y_4(0.77)	y_8^{+2}(-0.28)		MH-H_2O^{+2}(-4.4)	LYAQA-28(-68) ALYAQ-28(-68)	MH^{+2}(-1.2)		a_5(-21)
580.2622	**591.2717**	**598.2753**	**608.3022**	**651.2995**	**669.3096**	**704.3549**	**721.3888**	**775.3929**	**792.4275**
b_5-H_2O(-25)	y_5-NH_3(-28)	b_5(-20)	y_5(-21)	b_6-H_2O(-22)	b_6(-22)	y_6-NH_3(-25)	y_6(-14)	y_7-NH_3(-22)	y_7(-11)

[–] **Main Sequence Ions**

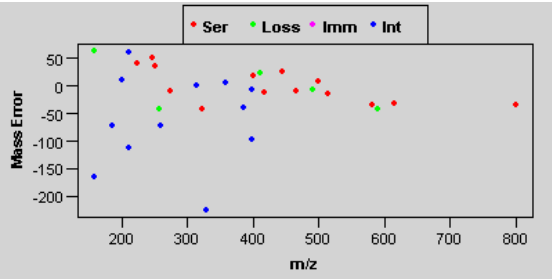
b			y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	955.4996	478.2534
322.1397	3	A	7	792.4363	396.7218
435.2238	4	L	6	721.3991	361.2032
598.2871	5	Y	5	608.3151	304.6612
669.3243	6	A	4	445.2518	223.1295
797.3828	7	Q	3	374.2146	187.6110
868.4199	8	A	2	246.1561	123.5817
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAKGKTAGLVR^{+3}



Max Intensity: **2.67**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **86.8%** Matched Series Intensity: **85.1%**



Sequence: SYAKGKTAGLVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H96 N17 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1251.4803	1250.7215	626.2439	625.8644	417.8317	417.5787

[–] Peak Matches

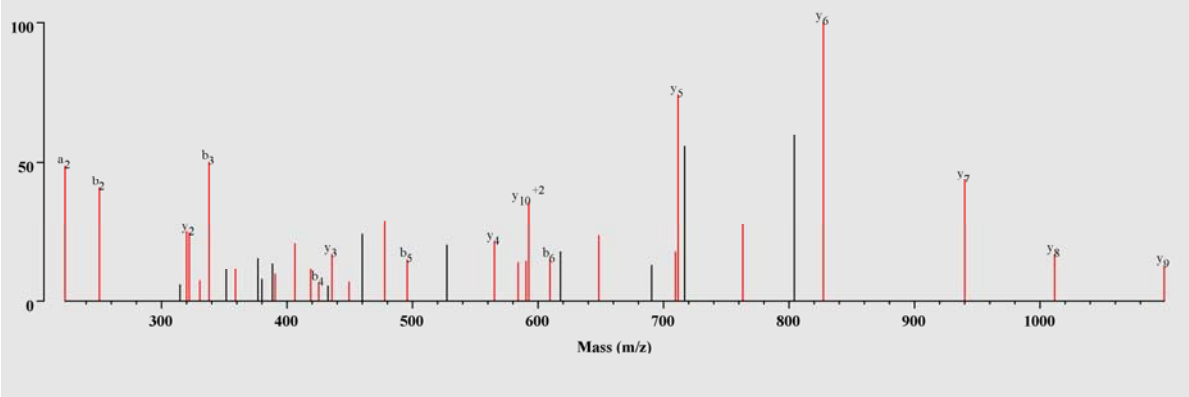
158.1025	178.0952	183.0558	186.1105	200.1417	209.1053	212.1156	223.1166	239.1690	246.1503
y_1-NH_3(64) KG-28(-166) GK-28(-166)			KG(-71) GK(-71)	AK(12)		TAG-H_2O(60) KT-H_2O(-112)	a_2(40)		b_7^{+3}(51)
251.1117	**257.1504**	**259.1575**	**265.0897**	**274.1845**	**286.1059**	**312.1227**	**314.2193**	**320.1501**	**322.1258**
b_2(36)	AKG(-41) y_2-NH_3(-41)	GKT-28(-73)		y_2(-10)			KGK(2.0)		b_3(-43)
330.1390	**358.2107**	**385.2403**	**398.2007**	**401.2582**	**411.5848**	**416.2362**	**417.2040**	**417.5733**	**444.3047**
KTAG-28(-226) GKTA-28(-226)	GKTA(6.2) KTAG(6.2)	AKGK(-40)	GKTAG-NH_3(-6.8) KGKT-NH_3(-98)	y_8^{+2}(19)	MH-H_2O^{+3}(23)			MH^{+3}(-13)	y_4(27)
465.2939	**487.2415**	**491.8080**	**500.8206**	**515.3228**	**582.3278**	**584.3894**	**589.3205**	**616.3573**	**801.4672**
y_9^{+2}(-9.2)		y_{10}-H_2O^{+2}(-7.0)	y_{10}^{+2}(7.7)	KGKTAG-28(-14) y_5(-14)	y_{11}^{+2}(-35)		a_6-H_2O(-43)	y_6(-33)	y_8(-34)

[–] Main Sequence Ions

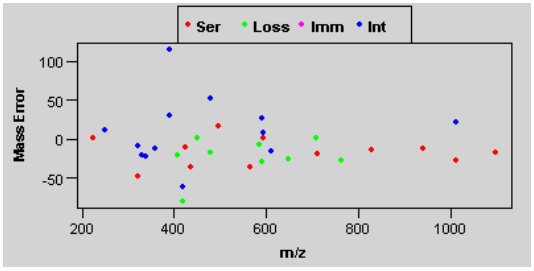
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1163.6895	582.3484
322.1397	---	3	A	10	1000.6262	500.8167
450.2347	225.6210	4	K	9	929.5891	465.2982
507.2562	254.1317	5	G	8	801.4941	401.2507
635.3511	318.1792	6	K	7	744.4726	372.7400
736.3988	368.7030	7	T	6	616.3777	308.6925
807.4359	404.2216	8	A	5	515.3300	258.1686
864.4574	432.7323	9	G	4	444.2929	222.6501
977.5415	489.2744	10	L	3	387.2714	194.1394
1076.6099	538.8086	11	V	2	274.1874	137.5973
---	---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSALDM(Oxidation)ENFR^{+2}



Max Intensity: **7.94**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **74.7%** Matched Series Intensity: **74.2%**



Sequence: SYSSALDM(Oxidation)ENFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H91 N16 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1436.3875	1435.6158	718.6974	718.3115

[–] **Peak Matches**

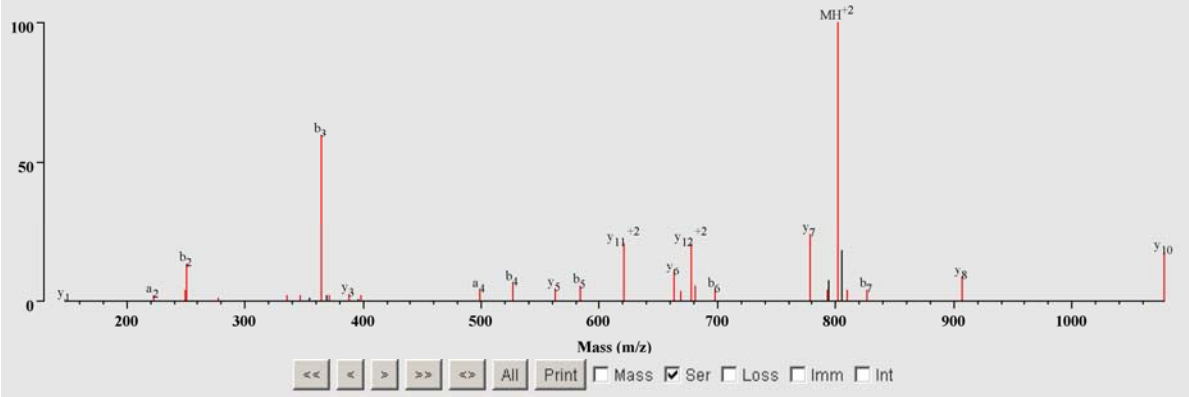
223.1082	251.1057	315.1330	320.1211	322.1718	331.1907	338.1271	352.1410	359.1883	377.1854
YS-28(2.2) a_2(2.2)	b_2(12) YS(12)		b_3-H_2O(-9.4) YSS-H_2O(-9.4)	y_2(-48)	SSAL-28(-21)	b_3(-22) YSS(-22)		SSAL(-12) SALD-28(-12)	
380.1398	**389.1372**	**391.1732**	**407.1480**	**419.1702**	**425.1621**	**433.1818**	**436.2150**	**450.1990**	**460.1828**
		M(Oxidation)EN(115) YSSA-H_2O(31) ENF(31)	b_4-H_2O(-20)	ALDM(Oxidation)-28(-61) y_3-NH_3(-80)	b_4(-11)		y_3(-35)	a_5-H_2O(1.5)	
478.1850	**496.2119**	**527.7770**	**565.2530**	**584.2545**	**591.2602**	**593.2643**	**609.2784**	**618.3206**	**648.2932**
DM(Oxidation)EN-28(52) b_5-H_2O(-17)	b_5(16)		y_4(-35)	y_{10}-H_2O^{+2}(-7.0)	LDM(Oxidation)EN-28(27) b_6-H_2O(-29)	SSALDM(Oxidation)-28(7.4) y_{10}^{+2}(0.72)	b_6(-16) YSSALD-28(-16)		y_5-$SOCH_4$(-26)
691.2981	**709.3072**	**712.2950**	**717.3918**	**763.3163**	**804.4253**	**827.3241**	**940.4080**	**1011.4296**	**1098.4687**
	MH-H_2O^{+2}(1.3)	y_5(-19)		y_6-$SOCH_4$(-27)		y_6(-13)	y_7(-12)	SSALDM(Oxidation)ENF(21) y_8(-27)	y_9(-18)

[–] **Main Sequence Ions**

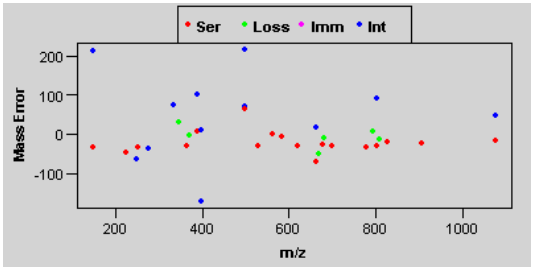
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1348.5838	674.7955
338.1347	3	S	10	1185.5205	593.2639
425.1667	4	S	9	1098.4884	549.7479
496.2038	5	A	8	1011.4564	506.2318
609.2879	6	L	7	940.4193	470.7133
724.3148	7	D	6	827.3352	414.1713
871.3502	8	M(Oxidation)	5	712.3083	356.6578
1000.3928	9	E	4	565.2729	283.1401
1114.4357	10	N	3	436.2303	218.6188
1261.5041	11	F	2	322.1874	161.5973
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYIYGNQDTSSQLK^{+2}



Max Intensity: **3.15**
Num Matched: **29/34 (14.7% unmatched)** Matched Intensity: **92.1%** Matched Series Intensity: **89.0%**



Sequence SYIYGNQDTSSQLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H107 N18 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1604.7240	1603.7598	802.8657	802.3836

[–] **Peak Matches**

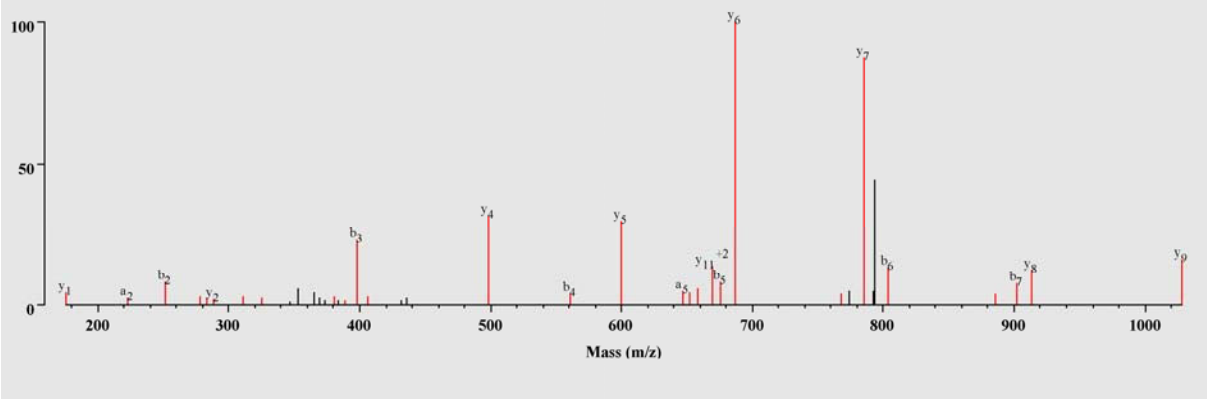
147.1078	**223.0975**	**249.1438**	**251.0943**	**277.1443**	**335.1596**	**346.1864**	**355.0229**	**364.1749**	**369.1245**
SS-28(213) y_1(-34)	a_2(-46)	IY-28(-64) YI-28(-64)	b_2(-33)	IY(-37) YI(-37)	YGN(73)	b_3-H_2O(30)		b_3(-32)	
371.2278	**388.2586**	**396.1596**	**398.1345**	**499.2867**	**527.2336**	**562.3201**	**584.2682**	**620.7754**	**663.3209**
y_3-NH_3(-3.0)	SSQL-28(102) y_3(8.1)		GNQD-NH_3(9.7) SSQL-H_2O(-173)	GNQDT-NH_3(217) TSSQL-H_2O(71) a_4(63)	b_4(-31)	y_5(1.1)	b_5(-5.6)	y_{11}^{+2}(-30)	IYGNQD-28(17) y_6(-70)
668.7878	**677.3184**	**681.2803**	**698.2935**	**778.3683**	**793.3837**	**794.3892**	**801.3753**	**802.3589**	**805.4120**
y_{12}-NH_3^{+2}(-52)	y_{12}^{+2}(-26)	b_6-NH_3(-11)	b_6(-30)	y_7(-33)	MH-H_2O^{+2}(6.8)		GNQDTSSQ-NH_3(93)	MH^{+2}(-31)	
809.3368	**826.3545**	**906.4313**	**1077.4999**						
b_7-NH_3(-12)	YIYGNQD-28(-22) b_7(-22)	y_8(-24)	YGNQDTSSQL-NH_3(48) IYGNQDTSSQ-NH_3(48) y_{10}(-16)						

[–] **Main Sequence Ions**

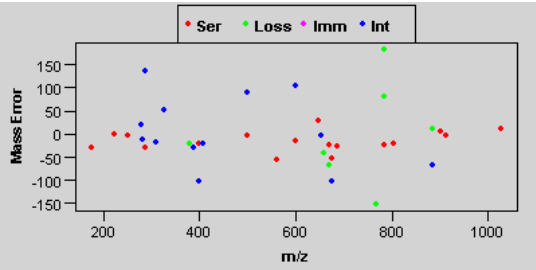
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1516.7278	758.8675
364.1867	3	I	12	1353.6645	677.3359
527.2500	4	Y	11	1240.5804	620.7938
584.2715	5	G	10	1077.5171	539.2622
698.3144	6	N	9	1020.4956	510.7515
826.3730	7	Q	8	906.4527	453.7300
941.3999	8	D	7	778.3941	389.7007
1042.4476	9	T	6	663.3672	332.1872
1129.4796	10	S	5	562.3195	281.6634
1216.5117	11	S	4	475.2875	238.1474
1344.5703	12	Q	3	388.2554	194.6314
1457.6543	13	L	2	260.1969	130.6021
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFYNQVSTPLLR^{+2}



Max Intensity: **5.98**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **81.9%** Matched Series Intensity: **78.1%**



Sequence SYFYNQVSTPLLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H111 N18 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1588.8146	1587.8166	794.9110	794.4119

[–] **Peak Matches**

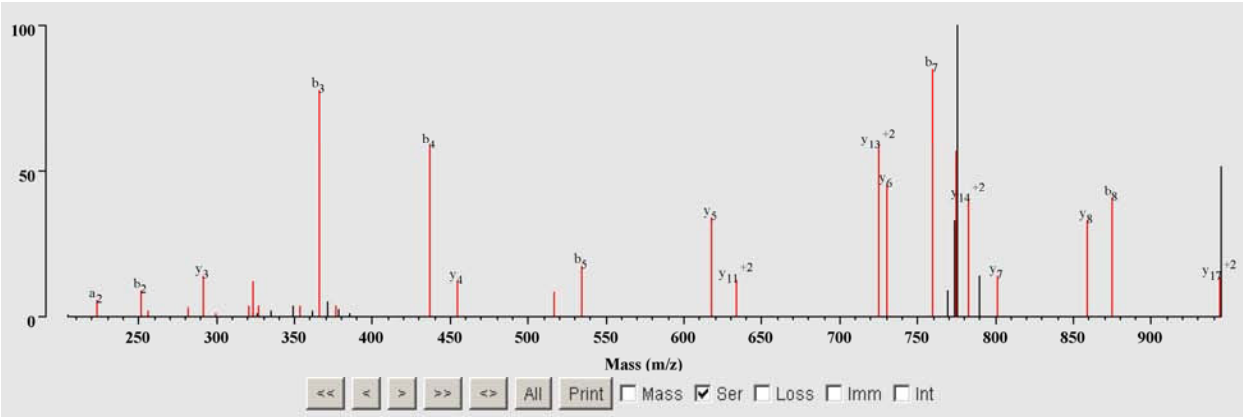
175.1137	223.1074	251.1018	278.1190	283.1405	288.1942	311.1338	325.1676	347.1980	353.1368
y_1(-30)	a_2(-1.4)	b_2(-3.3)	YN(20)	FY-28(-13) YF-28(-13)	VST(135) y_2(-31)	FY(-17) YF(-17)	NQV-NH_3(52)		
365.1400	**369.1390**	**373.2055**	**380.1530**	**383.1449**	**389.1338**	**398.1628**	**406.1634**	**432.1957**	**436.1994**
			b_3-H_2O(-20)		YNQ-NH_3(-30)	b_3(-21) QVST-H_2O(-102)	YNQ(-21)		
498.3376	**561.2029**	**599.3777**	**647.3004**	**652.3070**	**658.2237**	**669.3485**	**675.2410**	**686.4014**	**768.3449**
VSTPL(91) y_4(-4.5)	b_4(-56)	NQVSTP-28(105) y_5(-16)	a_5(28)	FYNQV(-3.0)	b_5-NH_3(-41)	y_{11}^{+2}(-24) y_6-NH_3(-66)	b_5(-54) YNQVST-H_2O(-102)	y_6(-26)	y_7-NH_3(-152)
774.3859	**784.8886**	**785.4694**	**792.4722**	**793.4291**	**803.3190**	**885.3875**	**902.4092**	**913.5437**	**1027.6001**
		b_6-H_2O(183) MH-H_2O^{+2}(80) y_7(-24)			b_6(-21)	YFYNQVS-NH_3(11) b_7-NH_3(11) YNQVSTPL-H_2O(-67)	YFYNQVS(5.4) b_7(5.4)	y_8(-3.1)	y_9(10)

[–] **Main Sequence Ions**

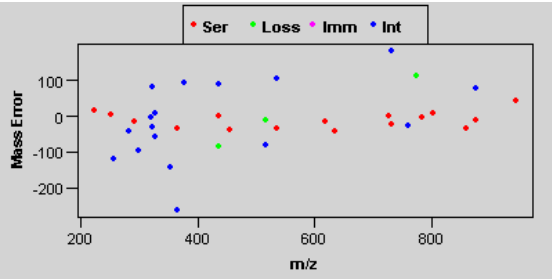
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1500.7845	750.8959
398.1710	3	F	11	1337.7212	669.3642
561.2344	4	Y	10	1190.6528	595.8300
675.2773	5	N	9	1027.5895	514.2984
803.3359	6	Q	8	913.5465	457.2769
902.4043	7	V	7	785.4880	393.2476
989.4363	8	S	6	686.4196	343.7134
1090.4840	9	T	5	599.3875	300.1974
1187.5368	10	P	4	498.3398	249.6736
1300.6208	11	L	3	401.2871	201.1472
1413.7049	12	L	2	288.2030	144.6051
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDAPPQDPSC(Carbamidomethyl)C(Carbamidomethyl)SGALYYGSK^{+3}



Max Intensity: **1.83**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **74.8%** Matched Series Intensity: **74.8%**



Sequence: SYDAPPQDPSC(Carbamidomethyl)C(Carbamidomethyl)SGALYYGSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C99 H144 N25 O36 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2324.1913	2322.9642	1162.5994	1161.9857	775.4021	774.9929

[–] Peak Matches

204.0899	**223.1116**	**251.1033**	**256.0984**	**282.0967**	**291.1615**	**299.1096**	**321.0672**	**323.1618**	**326.1446**
	a_2(17)	YD-28(2.7) b_2(2.7)	DAP-28(-120)	DPS-H_2O(-42)	y_3(-16)	YY-28(-98)	C(Carbamidomethyl)C(Carbamidomethyl)(-4.3)	QDP-H_2O(83) PQD-H_2O(83) PPQ(-30)	
327.1145	**335.1285**	**349.1036**	**353.1315**	**361.0621**	**366.1174**	**371.1348**	**376.1626**	**378.1147**	**385.1596**
PSC(Carbamidomethyl)-H_2O(7.2) YY(-59)			DAPP-28(-143)		b_3(-33) APPQ-28(-263)		C(Carbamidomethyl)SGA(91)		
437.1666	**454.2127**	**516.2035**	**534.2003**	**617.2830**	**633.2419**	**725.3101**	**730.3611**	**759.3096**	**769.6206**
C(Carbamidomethyl)C (Carbamidomethyl)SG-28(90) b_4(-0.21) y_4-NH_3(-83)	y_4(-37)	b_5-H_2O(-10) YDAPP-28(-81)	SC(Carbamidomethyl)C (Carbamidomethyl)SG-H_2O(106) b_5(-36)	y_5(-16)	y_{11}^{+2}(-41)	y_{13}^{+2}(-0.54)	QDPSC(Carbamidomethyl)C (Carbamidomethyl)-H_2O(182) y_6(-22)	b_7(-28) YDAPPQD-28(-28)	
773.3537	**774.3991**	**775.3133**	**782.8216**	**789.3392**	**801.4208**	**858.4068**	**874.3481**	**943.9457**	**944.3849**
	y_{14}-NH_3^{+2} (114)		y_{14}^{+2}(-3.0)		y_7(8.3)	y_8(-34)	QDPSC(Carbamidomethyl)C (Carbamidomethyl)SG-H_2O(76) b_8(-11)	y_{17}^{+2}(42)	

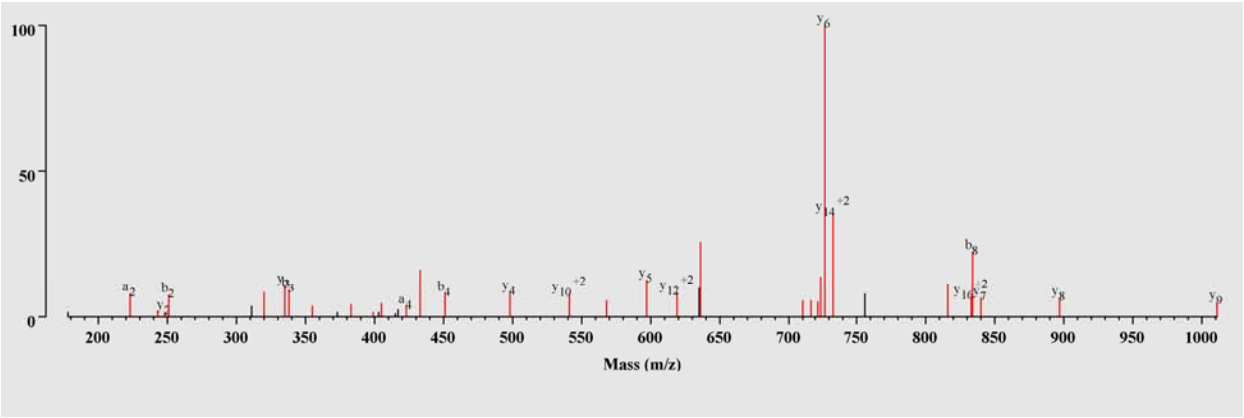
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	21 ---	---
251.1026	2	Y	20 2235.9321	1118.4697
366.1296	3	D	19 2072.8688	1036.9380
437.1667	4	A	18 1957.8419	979.4246
534.2195	5	P	17 1886.8048	943.9060
631.2722	6	P	16 1789.7520	895.3796
759.3308	7	Q	15 1692.6992	846.8533
874.3577	8	D	14 1564.6407	782.8240
971.4105	9	P	13 1449.6137	725.3105
1058.4425	10	S	12 1352.5609	676.7841
1218.4732	11	C(Carbamidomethyl)	11 1265.5289	633.2681
1378.5038	12	C(Carbamidomethyl)	10 1105.4983	553.2528
1465.5359	13	S	9 945.4676	473.2374
1522.5573	14	G	8 858.4356	429.7214

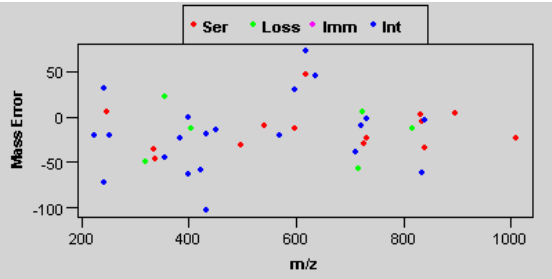
1593.5944	15	**A**	7	801.4141	401.2107
1706.6785	16	**L**	6	730.3770	365.6921
1869.7418	17	**Y**	5	617.2930	309.1501
2032.8052	18	**Y**	4	454.2296	227.6185
2089.8266	19	**G**	3	291.1663	146.0868
2176.8586	20	**S**	2	234.1448	117.5761
---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLPEGVANGIEVYSTK^{+3}



Max Intensity: **6.95**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **92.8%** Matched Series Intensity: **92.8%**



Sequence SYSLPEGVANGIEVYSTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C85 H133 N20 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1915.1200	1913.9491	958.0637	957.4782	639.0450	638.6546

[–] Peak Matches

177.1046	223.1031	243.1165	248.1617	251.0973	311.2223	320.1080	335.1804	338.1189	355.1817
	a_2(-21) YS-28(-21)	ANG(32) IE(-72)	y_2(4.9)	b_2(-21) YS(-21)		b_3-H_2O(-50)	y_3(-36)	b_3(-47)	y_6-NH_3^{+2}(22) PEGV-28(-45)
373.1891	**383.1838**	**399.1985**	**403.1892**	**405.2083**	**415.2035**	**417.2117**	**423.1993**	**433.1998**	**451.2120**
	PEGV(-23)	GVANG(-0.40) SLPE-28(-63) GIEV(-63)		a_4-H_2O(-12)			a_4(-58) VYST-28(-58)	b_4-H_2O(-19) VYST-H_2O(-19) YSLP-28(-103)	b_4(-15) VYST(-15) EVYS-28(-15)
498.2404	**541.2744**	**568.2612**	**597.3171**	**619.3541**	**635.8264**	**636.3635**	**710.3559**	**716.2839**	**721.3441**
y_4(-31)	y_{10}^{+2}(-10)	PEGVAN(-20)	PEGVANG-28(30) y_5(-12)	YSLPEG-28(73) y_{12}^{+2}(47)		SLPEGVA-H_2O(45)	PEGVANGI-28(-38) LPEGVANG-28(-38)	b_7-H_2O(-57)	PEGVANGI-NH_3(-10) LPEGVANG-NH_3(-10)
723.3716	**726.3455**	**732.3551**	**755.3997**	**815.3825**	**832.4325**	**833.4002**	**839.4225**	**896.4760**	**1010.4925**
GVANGIEV-NH_3(6.1) y_{14}-H_2O^{+2}(6.1)	y_6(-29)	GIEVYST-H_2O(-1.6) y_{14}^{+2}(-24)		b_8-H_2O(-13)	y_{16}^{+2}(2.4)	b_8(-4.5) LPEGVANGI-H_2O(-62)	PEGVANGIE-28(-3.9) y_7(-34)	y_8(4.0)	y_9(-23)

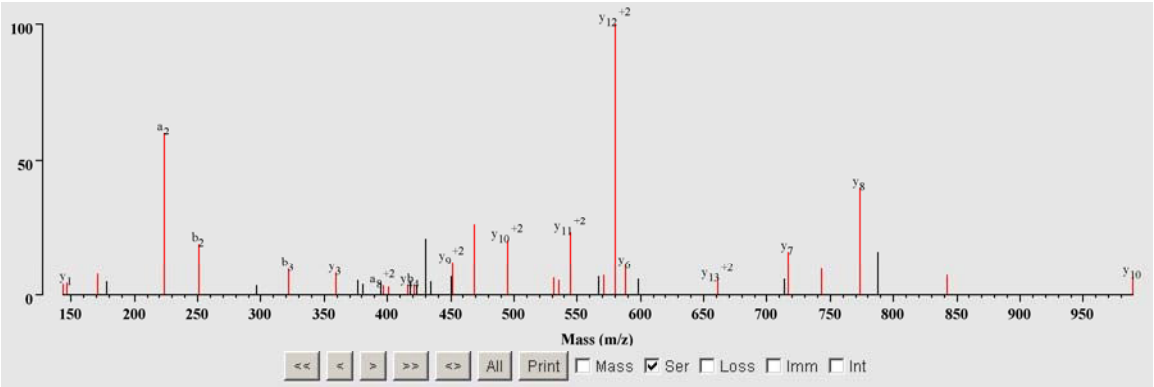
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1826.9171	913.9622
338.1347	3	S	1663.8537	832.4305
451.2187	4	L	1576.8217	788.9145
548.2715	5	P	1463.7377	732.3725
677.3141	6	E	1366.6849	683.8461
734.3355	7	G	1237.6423	619.3248
833.4040	8	V	1180.6208	590.8141
904.4411	9	A	1081.5524	541.2798
1018.4840	10	N	1010.5153	505.7613
1075.5055	11	G	896.4724	448.7398
1188.5895	12	I	839.4509	420.2291
1317.6321	13	E	726.3668	363.6871
1416.7005	14	V	597.3243	299.1658
1579.7639	15	Y	498.2558	249.6316
1666.7959	16	S	335.1925	168.0999

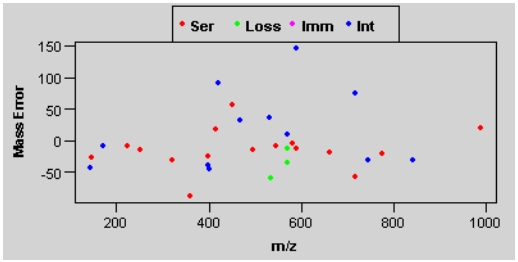
1767.8436	17	**T**	2	248.1605	124.5839
---	18	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVSQGKTAGLVK^{+3}



Max Intensity: **8.72**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **81.3%** Matched Series Intensity: **81.0%**



Sequence: SYAVSQGKTAGLVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C62 H106 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1409.6353	1408.7795	705.3214	704.8934	470.5501	470.2647

[–] **Peak Matches**

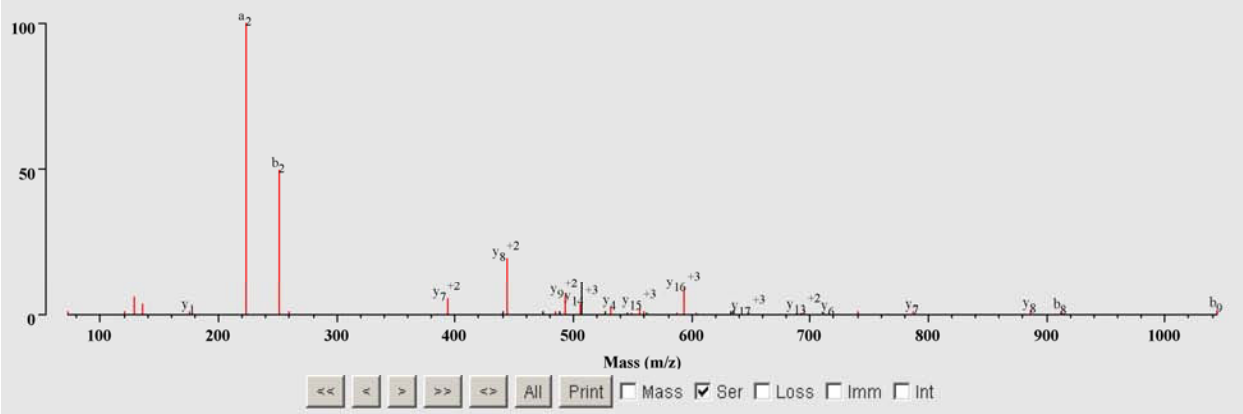
143.1116	**147.1090**	**171.1112**	**178.0859**	**223.1060**	**251.0988**	**296.1654**	**322.1298**	**359.2335**	**376.2158**
GL-28(-44) AV-28(-44)	y_1(-26)	GL(-9.4) AV(-9.4)		a_2(-7.7)	b_2(-15)		b_3(-31)	y_3(-88)	
380.1475	**394.2384**	**397.2040**	**401.1961**	**416.2939**	**418.2060**	**421.2466**	**423.2285**	**430.2184**	**434.2406**
		a_8^{+2}(-25) QGKT-H_2O(-39) GKTAG-H_2O(-39)	SQGK(-45)	y_4(17)		b_4(91) YAVS(91)			
450.2796	**451.3025**	**468.2713**	**494.7857**	**531.2751**	**535.2903**	**544.3220**	**567.2959**	**571.3249**	**579.8427**
	y_9^{+2}(57)	QGKTA-H_2O(32)	y_{10}^{+2}(-15)	YAVSQ-H_2O(36)	y_{11}-H_2O^{+2}(-59)	y_{11}^{+2}(-9.4)		AVSQGK(8.9) y_{12}-NH_3^{+2}(-13) y_6-NH_3(-35)	y_{12}^{+2}(-5.2)
588.3638	**598.3192**	**661.3649**	**713.3156**	**716.4258**	**743.3824**	**773.4722**	**787.4336**	**842.4473**	**988.5970**
YAVSQG-H_2O(146) y_6(-13)		y_{13}^{+2}(-19)		YAVSQGK-H_2O(74) y_7(-57)	SQGKTAGL(-30) AVSQGKTA(-30)	y_8(-20)		VSQGKTAGL(-31) SQGKTAGLV(-31)	y_{10}(19)

[–] **Main Sequence Ions**

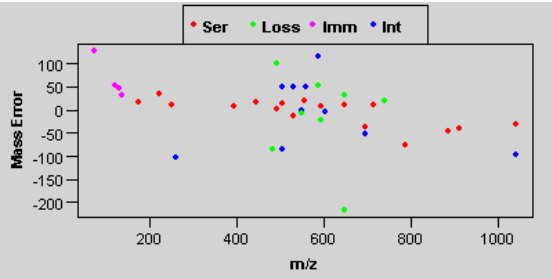
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1321.7474	661.3774
322.1397	---	3	A	12	1158.6841	579.8457
421.2082	---	4	V	11	1087.6470	544.3271
508.2402	---	5	S	10	988.5786	494.7929
636.2988	---	6	Q	9	901.5465	451.2769
693.3202	---	7	G	8	773.4880	387.2476
821.4152	411.2112	8	K	7	716.4665	358.7369
922.4629	461.7351	9	T	6	588.3715	294.6894
993.5000	497.2536	10	A	5	487.3239	244.1656
1050.5214	525.7644	11	G	4	416.2867	208.6470
1163.6055	582.3064	12	L	3	359.2653	180.1363
1262.6739	631.8406	13	V	2	246.1812	123.5942
---	---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLFKGSEMVVAGKLQDR^{+4}



Max Intensity: **28.2**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **91.7%** Matched Series Intensity: **91.3%**



Sequence SYLFKGSEMVVAGKLQDR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 4 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C90 H147 N24 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2029.3804	2028.0583	1015.1939	1014.5328	677.1317	676.6909	508.1007	507.7700

[–] Peak Matches

72.0900	120.0871	129.1083	136.0799	175.1220	223.1152	251.1055	259.1178	394.2278	440.2301
V(128)	F(53)	K(47)	Y(31)	y_1(17)	a_2(34)	b_2(11)	FK-NH_3(-102)	y_7^{+2}(7.9)	
443.7662	**474.2755**	**484.2464**	**488.2746**	**493.2945**	**505.2697**	**506.6147**	**506.9044**	**527.2492**	**531.2820**
y_8^{+2}(16)		y_9-H_2O^{+2}(-86)		b_4-H_2O(101) y_9^{+2}(2.9)	KGSEM-28(51) LFKGS-28(-86)	y_{14}^{+3}(13)			FKGSE-H_2O(49) y_4(-12)
545.2199	**549.2668**	**555.6428**	**559.3191**	**562.2396**	**587.3543**	**593.3313**	**604.3099**	**633.3635**	**635.2921**
	FKGSE(0.11) a_{10}-NH_3^{+2}(-6.6)	y_{15}^{+3}(21)	EMVVAG-28(51)		EMVVAG(117) y_{16}-H_2O^{+3}(54)	y_{16}^{+3}(9.2) a_5-H_2O(-22)	KGSEMV-28(-4.0)		
647.6883	**648.3413**	**695.3353**	**711.2896**	**716.4131**	**740.8940**	**787.3830**	**886.4689**	**912.4107**	**1043.4528**
y_{17}^{+3}(12) b_{12}-H_2O^{+2}(-217)	b_{12}-NH_3^{+2}(32)	y_{13}^{+2}(-37) VAGKLQD-NH_3(-53)		y_6(11)	b_{14}-NH_3^{+2}(20)	y_7(-75)	y_8(-47)	b_8(-39)	b_9(-32) EMVVAGKLQD-28(-98) SEMVVAGKLQ(-98)

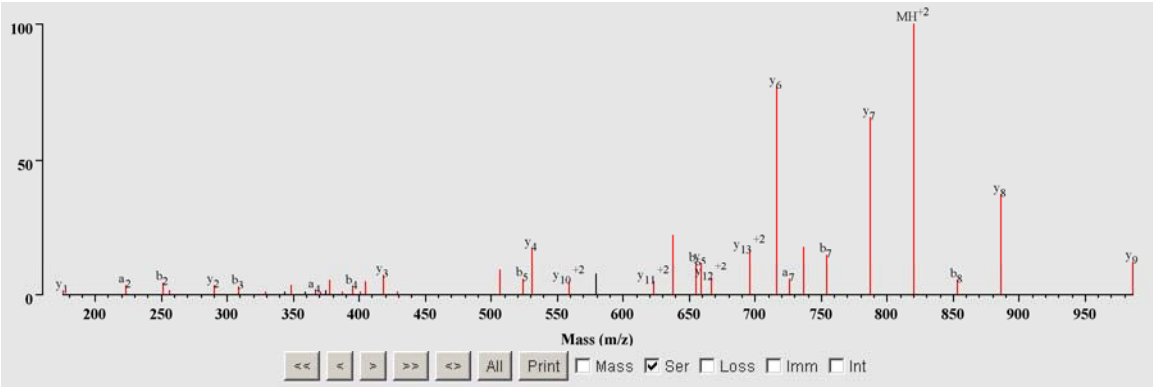
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	18 ---	---
251.1026	---	2	Y	17 1941.0262	971.0168
364.1867	---	3	L	16 1777.9629	889.4851
511.2551	---	4	F	15 1664.8789	832.9431
639.3501	320.1787	5	K	14 1517.8104	759.4089
696.3715	348.6894	6	G	13 1389.7155	695.3614
783.4036	392.2054	7	S	12 1332.6940	666.8506
912.4462	456.7267	8	E	11 1245.6620	623.3346
1043.4866	522.2470	9	M	10 1116.6194	558.8133
1142.5551	571.7812	10	V	9 985.5789	493.2931
1241.6235	621.3154	11	V	8 886.5105	443.7589
1312.6606	656.8339	12	A	7 787.4421	394.2247
1369.6820	685.3447	13	G	6 716.4050	358.7061
1497.7770	749.3921	14	K	5 659.3835	330.1954
1610.8611	805.9342	15	L	4 531.2885	266.1479
1738.9197	869.9635	16	Q	3 418.2045	209.6059
1853.9466	927.4769	17	D	2 290.1459	145.5766

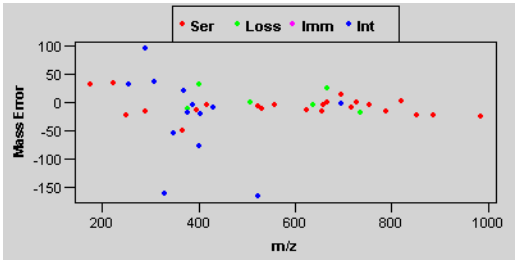
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSEMVVAGKLQDR^{+2}



Max Intensity: **14.7**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **97.7%** Matched Series Intensity: **97.1%**



Sequence SYGSEMVVAGKLQDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H115 N20 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1640.8669	1639.8108	820.9372	820.4091

[–] **Peak Matches**

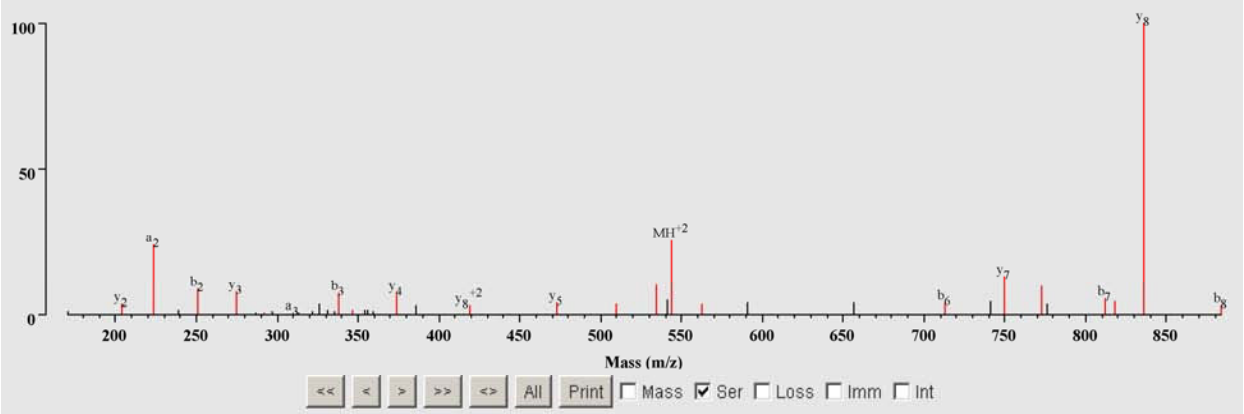
175.1243	223.1153	251.0967	256.1009	290.1412	308.1353	329.1286	343.1145	348.1030	359.1255
y_1(31)	a_2(34)	b_2(-24)	GSE-H_2O(32)	b_3-H_2O(95) YGS-H_2O(95) y_2(-16)	b_3(36) YGS(36)	LQD-28(-162)		SEM(-56)	
367.1428	**370.2524**	**374.1438**	**377.1413**	**387.1308**	**395.1501**	**401.1901**	**405.1355**	**418.2019**	**429.1763**
a_4(-50)	AGKL(20) KLQ(20)		b_4-H_2O(-11) GSEM-28(-20)	GSEM-H_2O(-6.4)	b_4(-15)	y_3-NH_3(30) MVVA(-79)	GSEM(-21)	y_3(-6.2)	SEMV-H_2O(-9.2)
506.1881	**524.1952**	**531.2816**	**558.8107**	**579.2252**	**623.3251**	**637.2257**	**655.2283**	**659.3803**	**666.8508**
b_5-H_2O(-0.11)	b_5(-6.7) GKLQD-H_2O(-167)	y_4(-13)	y_{10}^{+2}(-4.7)		y_{11}^{+2}(-15)	b_6-H_2O(-4.5)	b_6(-17)	y_5(-4.9)	b_{13}-H_2O^{+2}(25) y_{12}^{+2}(0.23)
695.3705	**716.3983**	**726.3127**	**736.2823**	**754.3028**	**787.4289**	**820.4099**	**853.3567**	**886.4899**	**985.5530**
y_{13}^{+2}(13) VAGKLQD-NH_3(-2.5)	y_6(-9.3)	a_7(-0.0035)	b_7-H_2O(-20)	b_7(-6.4)	y_7(-17)	MH^{+2}(1.0)	b_8(-23)	y_8(-23)	y_9(-26)

[–] **Main Sequence Ions**

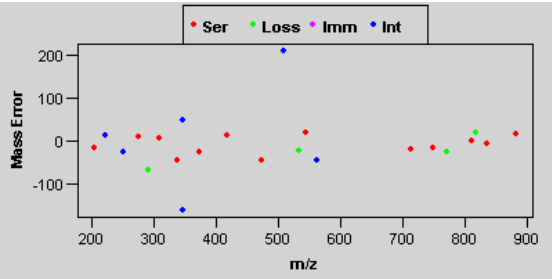
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1552.7788	776.8930
308.1241	---	3	**G**	13	1389.7155	695.3614
395.1561	---	4	**S**	12	1332.6940	666.8506
524.1987	---	5	**E**	11	1245.6620	623.3346
655.2392	---	6	**M**	10	1116.6194	558.8133
754.3076	---	7	**V**	9	985.5789	493.2931
853.3760	---	8	**V**	8	886.5105	443.7589
924.4131	---	9	**A**	7	787.4421	394.2247
981.4346	---	10	**G**	6	716.4050	358.7061
1109.5296	555.2684	11	**K**	5	659.3835	330.1954
1222.6136	611.8105	12	**L**	4	531.2885	266.1479
1350.6722	675.8397	13	**Q**	3	418.2045	209.6059
1465.6992	733.3532	14	**D**	2	290.1459	145.5766
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSEM(Oxidation)VVAGK^{+2}



Max Intensity: **4.30**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **86.0%** Matched Series Intensity: **84.1%**



Sequence: SYSEM(Oxidation)VVAGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C46 H76 N11 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1087.0825	1086.5136	544.0449	543.7604

[–] Peak Matches

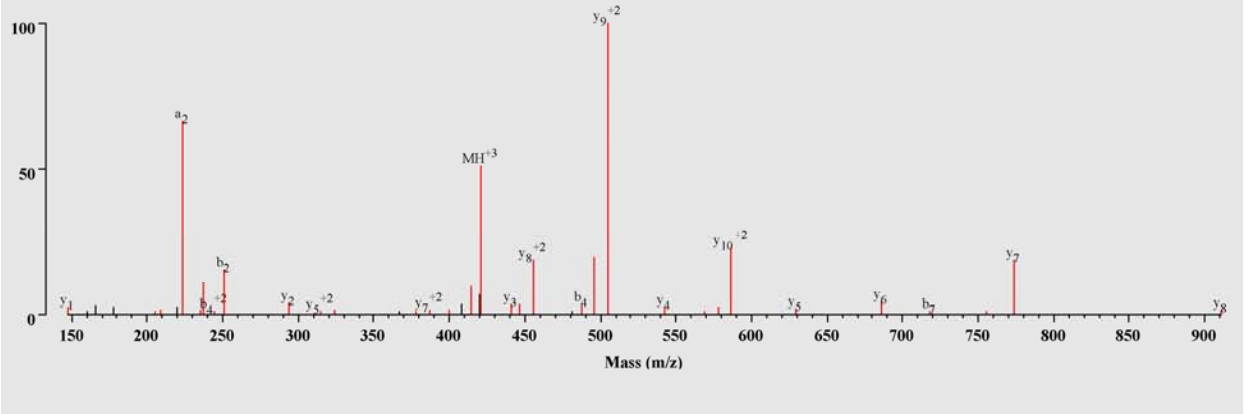
170.1086	204.1305	223.1102	239.1481	251.0958	275.1735	287.0641	292.1087	297.1435	310.1412
	y_2(-18)	a_2(11) YS-28(11)		b_2(-27) YS(-27)	y_3(7.7)		a_3-H_2O(-70)		a_3(4.7)
313.1488	**322.1366**	**326.1309**	**331.1378**	**335.1285**	**338.1189**	**346.1230**	**354.2155**	**356.1331**	**359.2299**
					b_3(-47)	SEM(Oxidation)-H_2O(47) M(Oxidation)VV(-163)			
374.2302	**386.1577**	**418.7172**	**473.2861**	**509.2765**	**534.7430**	**541.2480**	**543.7701**	**562.2281**	**591.2187**
y_4(-26)		y_8^{+2}(11)	y_5(-47)	YSEM(Oxidation)-H_2O(209)	MH-H_2O^{+2}(-23)		MH^{+2}(18)	SEM(Oxidation)VV(-46)	
656.3261	**713.2675**	**741.3322**	**749.3738**	**772.3986**	**776.3784**	**812.3474**	**818.4232**	**836.4114**	**883.4003**
	b_6(-19)		y_7(-17)	y_8-$SOCH_4$(-28)		b_7(-2.6)	y_8-H_2O(19)	y_8(-8.2)	b_8(16)

[–] Main Sequence Ions

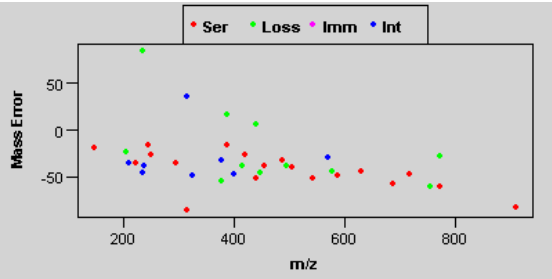
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	999.4816	500.2444
338.1347	3	S	8	836.4182	418.7128
467.1773	4	E	7	749.3862	375.1967
614.2127	5	M(Oxidation)	6	620.3436	310.6754
713.2811	6	V	5	473.3082	237.1577
812.3495	7	V	4	374.2398	187.6235
883.3866	8	A	3	275.1714	138.0893
940.4081	9	G	2	204.1343	102.5708
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVHSGSTFFK^{+3}



Max Intensity: **255**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **94.4%** Matched Series Intensity: **94.4%**



Sequence SYVHSGSTFFK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C59 H83 N14 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1260.4002	1259.6055	630.7038	630.3064	420.8050	420.5400

[–] **Peak Matches**

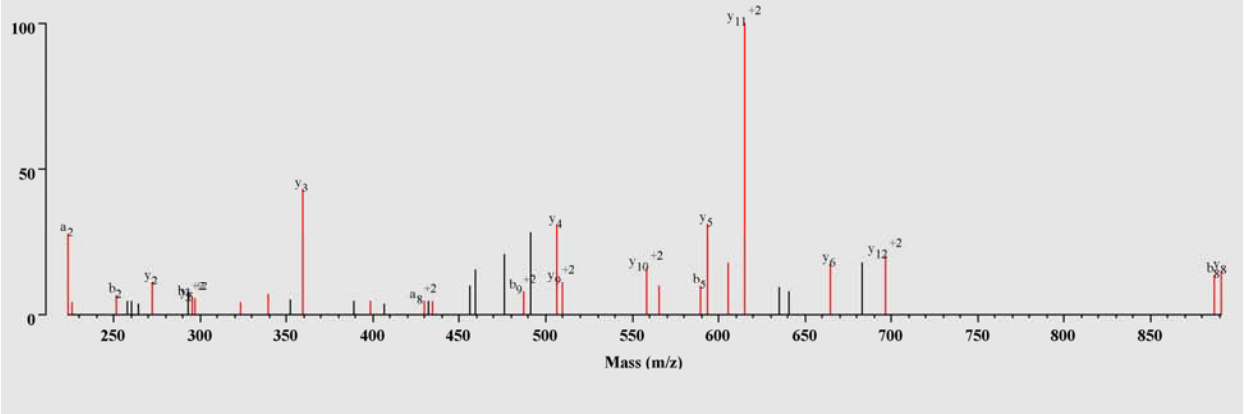
147.1100	160.0733	166.0575	178.0826	205.0925	209.1321	220.1020	223.1000	235.1334	237.1257
y_1(-19)				a_2-H_2O(-23)	VH-28(-36)		a_2(-35)	b_4-H_2O^{+2}(85) YV-28(-46)	VH(-38)
244.1148	**251.0959**	**294.1706**	**315.1411**	**324.1508**	**367.1802**	**378.1691**	**387.1887**	**400.1786**	**408.5176**
b_4^{+2}(-16)	b_2(-27)	y_2(-36)	SGST-H_2O(36) y_5^{+2}(-86)	VHS(-49)		TFF-H_2O(-32) y_7-H_2O^{+2}(-55)	a_8-H_2O^{+2}(16) y_7^{+2}(-16)	YVH(-48)	
414.5208	**420.2341**	**420.5291**	**441.2272**	**446.6989**	**455.7068**	**480.7517**	**487.2142**	**496.2339**	**505.2384**
MH-H_2O^{+3}(-38)		MH^{+3}(-26)	a_4-H_2O(6.2) y_3(-51)	y_8-H_2O^{+2}(-46)	y_8^{+2}(-39)		YVHS(-32) b_4(-32)	y_9-H_2O^{+2}(-39)	y_9^{+2}(-40)
542.2689	**569.2515**	**577.7595**	**586.7615**	**629.3016**	**686.3119**	**718.2818**	**755.3273**	**773.3358**	**910.3661**
y_4(-52)	VHSGST(-29)	y_{10}-H_2O^{+2}(-44)	y_{10}^{+2}(-49)	y_5(-44)	y_6(-57)	b_7(-47)	y_7-H_2O(-60)	a_8-H_2O(-28) y_7(-61)	y_8(-83)

[–] **Main Sequence Ions**

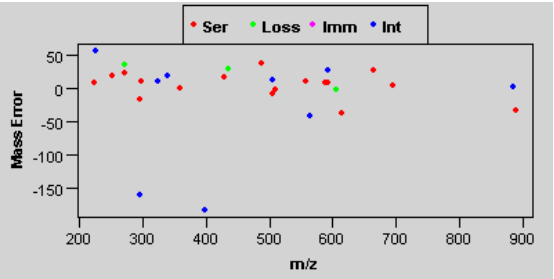
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1172.5735	586.7904
350.1710	---	3	V 9	1009.5102	505.2587
487.2300	244.1186	4	H 8	910.4417	455.7245
574.2620	287.6346	5	S 7	773.3828	387.1951
631.2835	316.1454	6	G 6	686.3508	343.6790
718.3155	359.6614	7	S 5	629.3293	315.1683
819.3632	410.1852	8	T 4	542.2973	271.6523
966.4316	483.7194	9	F 3	441.2496	221.1285
1113.5000	557.2536	10	F 2	294.1812	147.5942
---	---	11	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYIPKPEASFSPR^{+3}



Max Intensity: **3.34**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **74.3%** Matched Series Intensity: **74.3%**



Sequence SYIPKPEASFSPR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C68 H104 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1479.6860	1478.7638	740.3467	739.8855	493.9003	493.5928

[–] Peak Matches

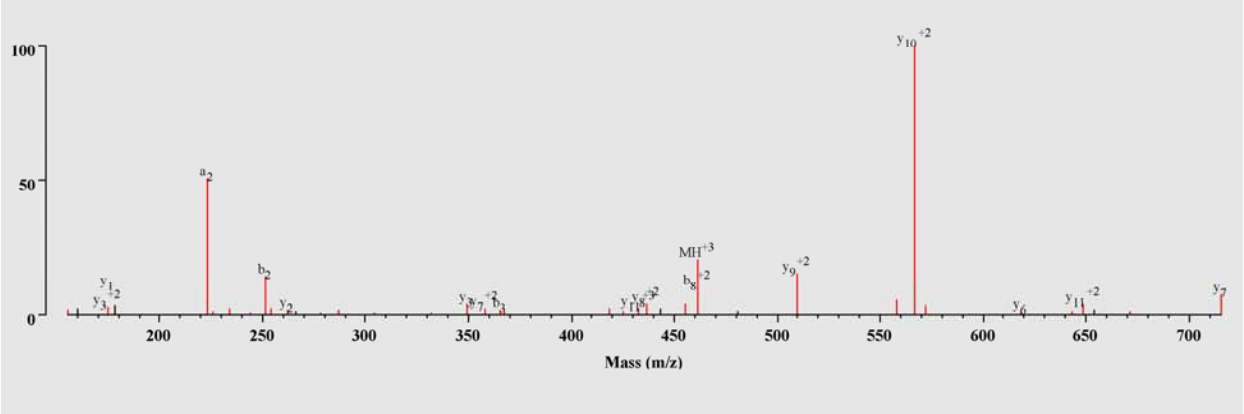
223.1099	226.1680	251.1077	258.0657	260.0154	264.0505	272.1780	293.1823	295.1658	297.1593
a_2(9.8)	PK(57) KP(57)	b_2(20)				a_5-H_2O^{+2}(36) y_3(23)		b_5^{+2}(-17) PKP-28(-159)	y_5^{+2}(12)
323.2118	**339.2459**	**352.0579**	**359.2037**	**389.2365**	**398.1671**	**406.1837**	**429.7472**	**432.1794**	**434.7448**
PKP(12)	IPK(20)		y_3(-0.12)		KPEA-28(-183)		a_8^{+2}(18)		b_8-H_2O^{+2}(30)
456.1836	**459.2003**	**476.2653**	**487.2723**	**491.2706**	**506.2680**	**509.7683**	**558.3028**	**565.3104**	**589.3398**
			b_9^{+2}(39)		PKPEA-NH_3(14) y_4(-8.2)	y_9^{+2}(-2.3)	y_{10}^{+2}(12)	IPKPE(-42)	b_5(9.1)
593.3096	**605.8321**	**614.8158**	**634.8437**	**640.7687**	**664.3599**	**683.3502**	**696.3725**	**886.4693**	**890.4071**
PKPEAS-NH_3(28) y_5(9.1)	y_{11}-H_2O^{+2}(-0.79)	y_{11}^{+2}(-36)			y_6(28)		y_{12}^{+2}(4.3)	b_8(2.7) YIPKPEAS(2.7)	y_8(-33)

[–] Main Sequence Ions

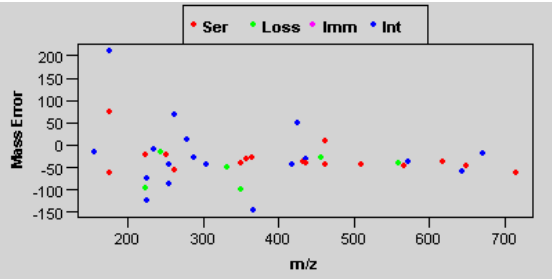
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1391.7318	696.3695
364.1867	---	3	I	11	1228.6684	614.8379
461.2395	---	4	P	10	1115.5844	558.2958
589.3344	295.1709	5	K	9	1018.5316	509.7694
686.3872	343.6972	6	P	8	890.4367	445.7220
815.4298	408.2185	7	E	7	793.3839	397.1956
886.4669	443.7371	8	A	6	664.3413	332.6743
973.4989	487.2531	9	S	5	593.3042	297.1557
1120.5673	560.7873	10	F	4	506.2722	253.6397
1207.5994	604.3033	11	S	3	359.2037	180.1055
1304.6521	652.8297	12	P	2	272.1717	136.5895
---	---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNFRPGVLSSR^{+3}



Max Intensity: **160**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **95.0%** Matched Series Intensity: **95.2%**



Sequence SYNFRPGVLSSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C61 H96 N19 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1383.5592	1382.7175	692.2833	691.8624	461.8580	461.5774

[–] Peak Matches

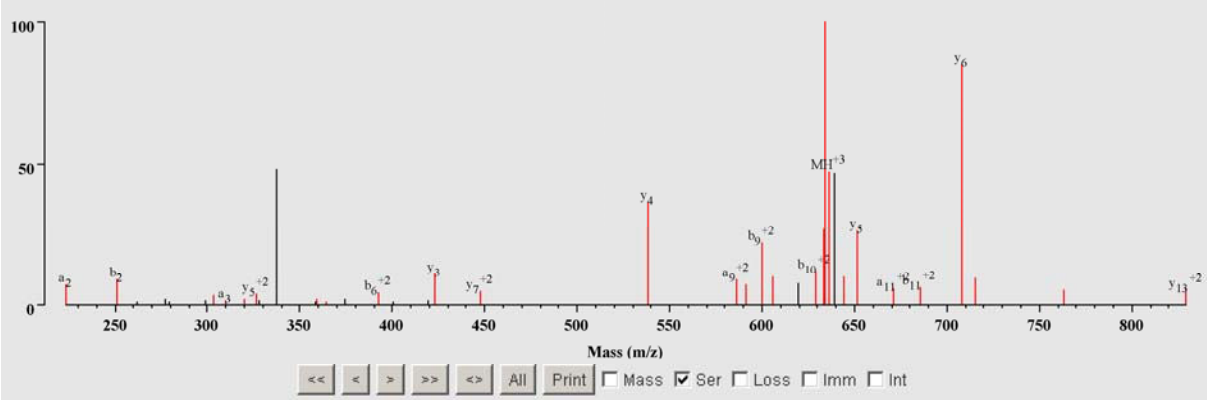
155.0791	160.0733	175.1083	178.0814	223.1028	226.1381	234.1215	244.1370	251.0974	254.1388
PG(-16)		SS(211) y_3^{+2}(75) y_1(-61)		a_2(-22) y_4-NH_3^{+2}(-95)	PGV-28(-75) RP-28(-124)	NF-28(-9.4)	y_2-H_2O(-14)	b_2(-21)	PGV(-44) RP(-88)
262.1366	**266.1263**	**278.1169**	**287.1425**	**304.1635**	**332.1395**	**349.1687**	**358.1975**	**365.1357**	**367.1802**
NF(69) y_2(-55)		YN(12)	FR-NH_3(-27)	FR(-44)	y_3-NH_3(-51)	y_3(-41) y_7-H_2O^{+2}(-99)	y_7^{+2}(-31)	b_3(-27)	PGVL(-146)
418.2015	**425.2036**	**432.5512**	**436.2417**	**443.2213**	**455.2442**	**455.5613**	**461.2368**	**461.5580**	**480.7641**
NFR(-44)	YNF(51)	y_{11}^{+3}(-36)	PGVLS-H_2O(-32) y_8^{+2}(-40)			MH-H_2O^{+3}(-28)	b_8^{+2}(9.3)	MH^{+3}(-42)	
509.7710	**558.2792**	**566.7885**	**572.2722**	**618.3341**	**643.3291**	**648.3171**	**653.8011**	**671.3500**	**715.3654**
y_9^{+2}(-44)	y_{10}-NH_3^{+2}(-40)	y_{10}^{+2}(-46)	NFRPG(-38)	y_6(-37)	NFRPGV-28(-60)	y_{11}^{+2}(-45)		NFRPGV(-18)	y_7(-62)

[–] Main Sequence Ions

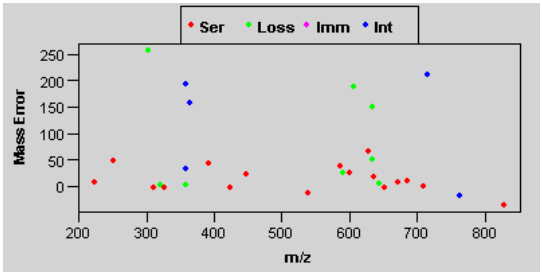
b	b^{+2}			y	y^{+2}
---	---	1	S 12	---	---
251.1026	---	2	Y 11	1295.6855	648.3464
365.1456	---	3	N 10	1132.6222	566.8147
512.2140	---	4	F 9	1018.5792	509.7933
668.3151	334.6612	5	R 8	871.5108	436.2591
765.3678	383.1876	6	P 7	715.4097	358.2085
822.3893	411.6983	7	G 6	618.3570	309.6821
921.4577	461.2325	8	V 5	561.3355	281.1714
1034.5418	517.7745	9	L 4	462.2671	231.6372
1121.5738	561.2905	10	S 3	349.1830	175.0951
1208.6058	604.8066	11	S 2	262.1510	131.5791
---	---	12	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSERC(Carbamidomethyl)DDWGLDTM(Oxidation)R^{+3}



Max Intensity: **6.41**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **80.3%** Matched Series Intensity: **78.7%**



Sequence: SYSERC(Carbamidomethyl)DDWGLDTM(Oxidation)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C77 H116 N23 O30 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1907.7175	1906.7694	954.3624	953.8884	636.5774	636.2613

[–] Peak Matches

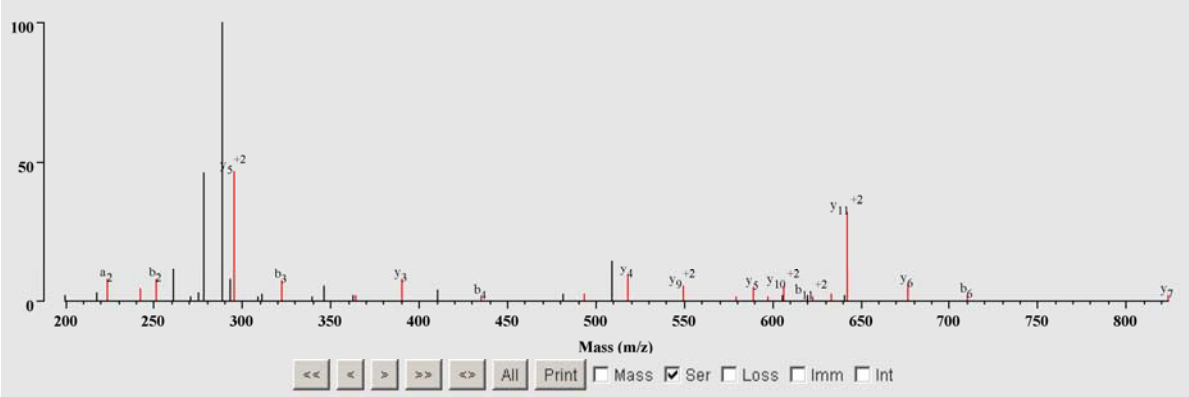
223.1096	**251.1147**	**262.1435**	**277.1217**	**279.0980**	**299.1647**	**303.2155**	**310.1390**	**320.1245**	**326.1595**
YS-28(8.4) a_2(8.4)	YS(48) b_2(48)					b_5-H_2O^{+2}(257)	a_3(-2.4)	b_3-H_2O(1.3)	y_5^{+2}(-2.0)
328.1814	**337.1097**	**358.1898**	**359.2044**	**364.1745**	**374.1218**	**392.1754**	**400.1254**	**419.1625**	**423.2009**
			DWG(193) GLDT-28(33) y_3-$SOCH_4$(1.8)	DTM(Oxidation)(157)		b_6^{+2}(44)			y_3(-2.7)
447.7202	**538.2215**	**586.2489**	**591.2349**	**600.2398**	**605.8465**	**619.2294**	**628.7777**	**633.3349**	**633.8416**
y_7^{+2}(22)	y_4(-14)	a_9^{+2}(37)	b_9-H_2O^{+2}(26)	b_9^{+2}(25)	a_{10}-H_2O^{+2}(188)		b_{10}^{+2}(67)	y_5-H_2O(51)	y_{10}-H_2O^{+2}(149)
636.2730	**638.8541**	**644.3396**	**651.3116**	**671.2847**	**685.2838**	**708.3345**	**715.4132**	**763.2535**	**828.8112**
MH^{+3}(18)		y_6-$SOCH_4$(5.3)	y_5(-2.2)	a_{11}^{+2}(6.9)	b_{11}^{+2}(9.2)	y_6(-8.4e-4)	RC(Carbamidomethyl)DDW-H_2O(212)	SERC(Carbamidomethyl)DD(-18)	y_{13}^{+2}(-36)

[–] Main Sequence Ions

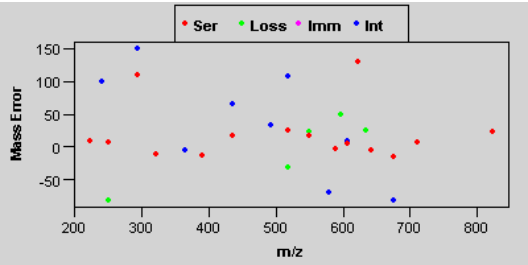
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1819.7374	910.3723
338.1347	---	3	**S**	13	1656.6741	828.8407
467.1773	---	4	**E**	12	1569.6421	785.3247
623.2784	312.1428	5	**R**	11	1440.5995	720.8034
783.3090	392.1581	6	**C(Carbamidomethyl)**	10	1284.4983	642.7528
898.3360	449.6716	7	**D**	9	1124.4677	562.7375
1013.3629	507.1851	8	**D**	8	1009.4408	505.2240
1199.4422	600.2247	9	**W**	7	894.4138	447.7105
1256.4637	628.7355	10	**G**	6	708.3345	354.6709
1369.5477	685.2775	11	**L**	5	651.3130	326.1602
1484.5747	742.7910	12	**D**	4	538.2290	269.6181
1585.6224	793.3148	13	**T**	3	423.2020	212.1047
1732.6578	866.8325	14	**M(Oxidation)**	2	322.1544	161.5808
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAIKFFSAQTNR^{+3}



Max Intensity: **9.04**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **43.3%** Matched Series Intensity: **43.3%**



Sequence SYAIKFFSAQTNR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C70 H106 N19 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1533.7376	1532.7856	767.3725	766.8964	511.9175	511.6001

[–] **Peak Matches**

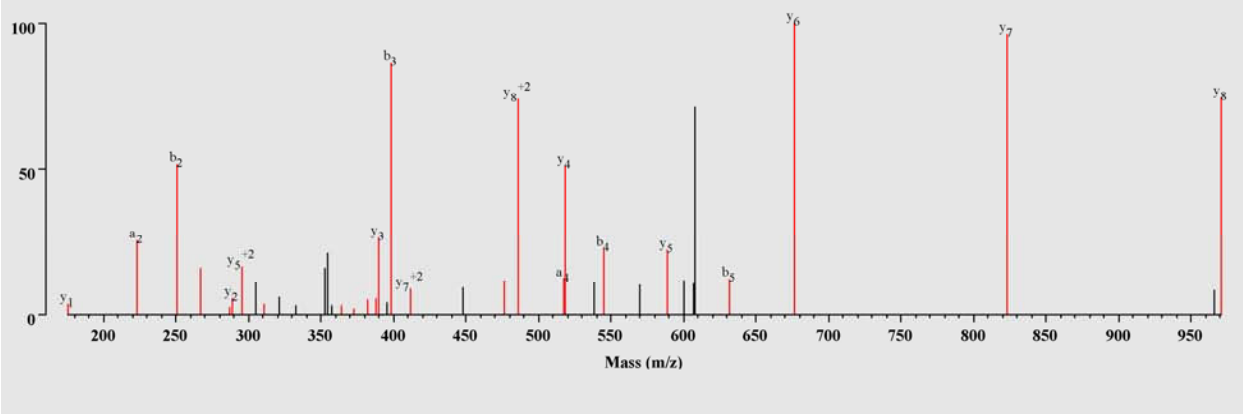
199.1743	217.1847	223.1096	242.2106	251.1042	261.2233	270.2602	275.1667	278.2511	288.2917
		a_2(8.4)	IK(100)	b_2(6.2) y_4-NH_3^{+2}(-81)					
293.1996	**295.1883**	**309.0615**	**311.1533**	**322.1361**	**339.1618**	**346.2071**	**362.2137**	**364.1636**	**390.2041**
	FF(150) y_5^{+2}(109)			b_3(-11)				FFS-H_2O(-5.4)	y_3(-14)
410.2095	**435.2311**	**481.2968**	**493.2603**	**509.2788**	**518.2807**	**549.7968**	**579.3255**	**589.3032**	**597.3542**
	FFSA-H_2O(65) b_4(17)		KFFS-NH_3(32)		FSAQT-NH_3(108) y_4(24) a_5-NH_3(-32)	a_{10}-NH_3^{+2}(22) y_9^{+2}(16)	AIKFF-28(-69)	y_5(-3.5)	y_{10}-H_2O^{+2}(49)
605.8348	**606.3335**	**619.8066**	**622.8998**	**633.3516**	**640.8246**	**641.8460**	**676.3263**	**710.3916**	**823.4247**
	YAIKF-NH_3(8.1) IKFFS-NH_3(8.1) y_{10}^{+2}(5.4)		b_{11}^{+2}(130)	y_{11}-NH_3^{+2}(25)		y_{11}^{+2}(-4.3)	y_6(-16) IKFFSA-H_2O(-82) AIKFFS-H_2O(-82)	b_6(6.2)	y_7(23)

[–] **Main Sequence Ions**

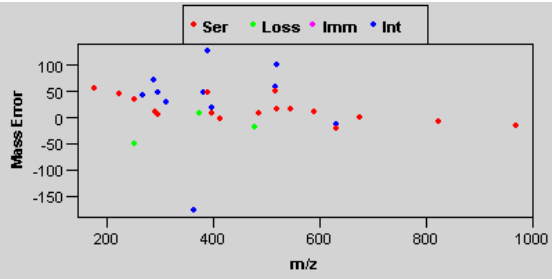
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1445.7536	723.3804
322.1397	---	3	**A**	11	1282.6902	641.8488
435.2238	---	4	**I**	10	1211.6531	606.3302
563.3188	282.1630	5	**K**	9	1098.5691	549.7882
710.3872	355.6972	6	**F**	8	970.4741	485.7407
857.4556	429.2314	7	**F**	7	823.4057	412.2065
944.4876	472.7475	8	**S**	6	676.3373	338.6723
1015.5247	508.2660	9	**A**	5	589.3052	295.1563
1143.5833	572.2953	10	**Q**	4	518.2681	259.6377
1244.6310	622.8191	11	**T**	3	390.2096	195.6084
1358.6739	679.8406	12	**N**	2	289.1619	145.0846
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFFSAQTNR^{+2}



Max Intensity: **2.84**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **75.6%** Matched Series Intensity: **75.6%**



Sequence SYFFSAQTNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C55 H78 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1221.3227	1220.5695	611.1650	610.7884

[–] Peak Matches

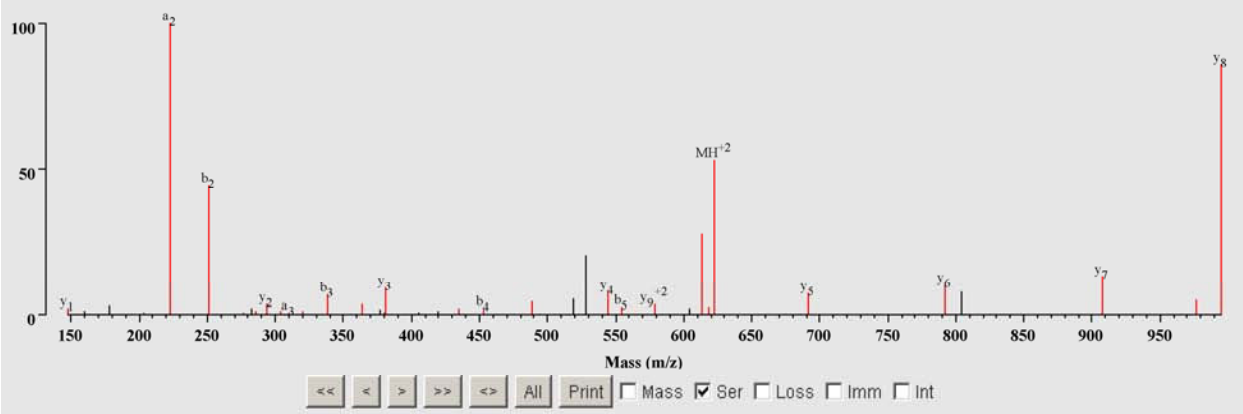
175.1288	223.1179	251.1115	267.1605	287.1554	289.1651	295.1582	305.1627	311.1482	321.1380
y_1(56)	a_2(46)	b_2(35) y_4-NH_3^{+2}(-51)	FF-28(42)	SAQ(71)	y_2(11)	FF(48) y_5^{+2}(6.6)		YF(30)	
333.1779	**353.1562**	**355.0777**	**357.2191**	**364.1007**	**373.1857**	**382.1940**	**388.2324**	**390.2283**	**396.0848**
				FFS-H_2O(-178)	y_3-NH_3(7.2)	FFS(47)	SAQT(128)	y_3(48)	
398.1744	**412.2059**	**447.7868**	**476.7270**	**485.7453**	**517.2707**	**518.2764**	**538.2256**	**545.2477**	**570.2492**
AQTN-NH_3(19) b_3(8.4)	y_7^{+2}(-1.4)		y_8-H_2O^{+2}(-18)	y_8^{+2}(9.5)	FSAQT-H_2O(58) YFFS-28(51) a_4(51)	FSAQT-NH_3(100) y_4(16)		YFFS(15) b_4(15)	
589.3124	**600.2500**	**607.2866**	**607.7671**	**608.2572**	**632.2590**	**676.3382**	**823.3985**	**966.4758**	**970.4576**
y_5(12)					FSAQTN-NH_3(-13) b_5(-20)	y_6(1.3)	y_7(-8.7)		y_8(-17)

[–] Main Sequence Ions

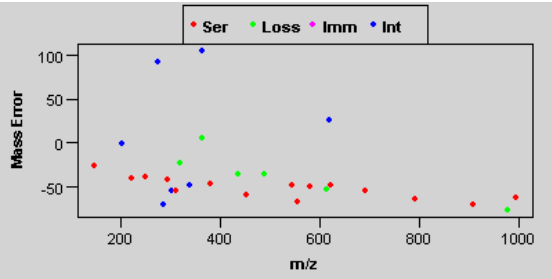
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	1133.5374	567.2724
398.1710	3	F 8	970.4741	485.7407
545.2395	4	F 7	823.4057	412.2065
632.2715	5	S 6	676.3373	338.6723
703.3086	6	A 5	589.3052	295.1563
831.3672	7	Q 4	518.2681	259.6377
932.4149	8	T 3	390.2096	195.6084
1046.4578	9	N 2	289.1619	145.0846
---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSDTFYSFK^{+2}



Max Intensity: **172**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **88.3%** Matched Series Intensity: **86.0%**



Sequence SYSDTFYSFK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C59 H78 N11 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1245.3389	1244.5470	623.1732	622.7771

[–] **Peak Matches**

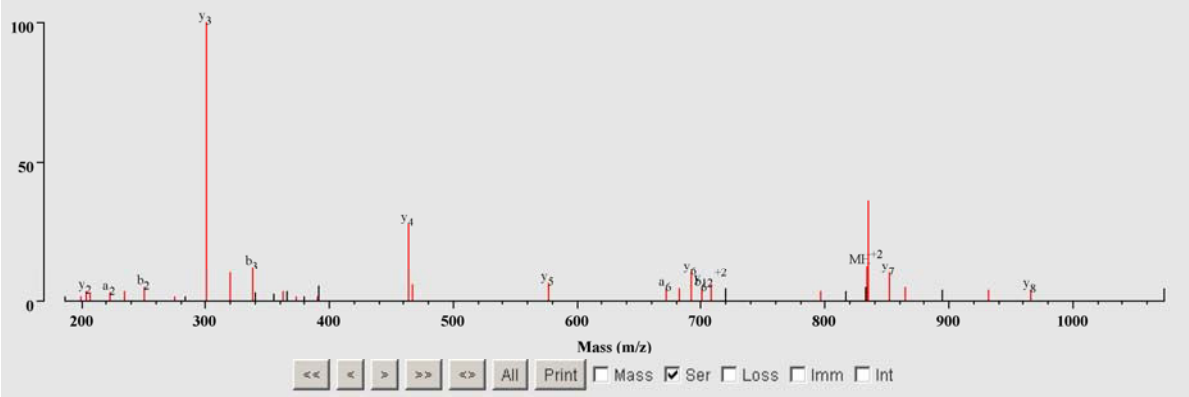
147.1089	160.0733	178.0826	203.0659	223.0985	251.0929	276.1444	282.1211	286.0834	294.1689
y_1(-27)			SD(-1.7)	YS-28(-41) a_2(-41)	YS(-39) b_2(-39)	SDT-28(92)		SDT-H_2O(-70)	y_2(-42)
304.0975	**310.1228**	**320.1167**	**338.1183**	**364.1887**	**377.1760**	**380.1428**	**381.1953**	**405.1541**	**419.1697**
SDT(-54)	a_3(-55)	b_3-H_2O(-23)	b_3(-48) YSD-28(-48)	DTF(105) y_3-NH_3(5.5)		YSF-H_2O(-47) FYS-H_2O(-47)	y_3(-47)		
435.1355	**453.1346**	**488.7069**	**519.2398**	**527.7495**	**528.2475**	**544.2497**	**554.1724**	**579.2323**	**604.7393**
b_4-H_2O(-36)	b_4(-60)	y_8-H_2O^{+2}(-35)				y_4(-49)	b_5(-67)	y_9^{+2}(-50)	
613.7396	**618.3082**	**622.3081**	**622.7473**	**691.3068**	**792.3422**	**804.4021**	**907.3561**	**976.3654**	**994.3888**
MH-H_2O^{+2}(-53)	TFYSF-28(26)		MH^{+2}(-48)	y_5(-55)	y_6(-64)		y_7(-70)	y_8-H_2O(-77)	y_8(-63)

[–] **Main Sequence Ions**

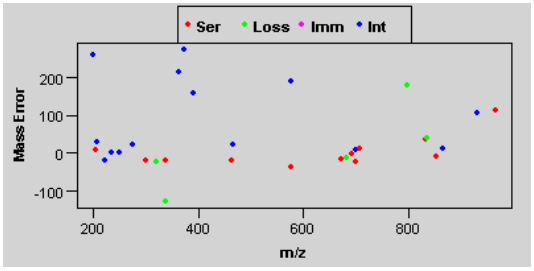
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	1157.5150	579.2611
338.1347	3	S 8	994.4516	497.7295
453.1616	4	D 7	907.4196	454.2134
554.2093	5	T 6	792.3927	396.7000
701.2777	6	F 5	691.3450	346.1761
864.3410	7	Y 4	544.2766	272.6419
951.3731	8	S 3	381.2132	191.1103
1098.4415	9	F 2	294.1812	147.5942
---	10	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFSQNC(Carbamidomethyl)DIYPGK^{+2}



Max Intensity: **2.58**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **87.8%** Matched Series Intensity: **87.3%**



Sequence: SYSFSQNC(Carbamidomethyl)DIYPGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H105 N18 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1666.6522	1665.7213	833.8298	833.3643

[–] Peak Matches

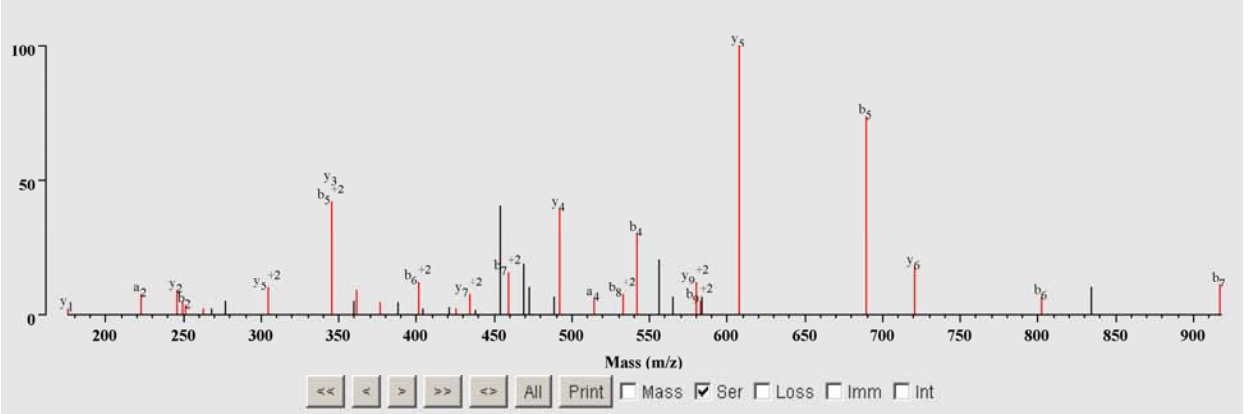
186.1079	199.1228	204.1359	207.1191	223.1031	235.1079	251.1033	275.0871	283.1899	301.1806
	SQ-NH_3 (259)	y_2(8.0)	SF-28(30) FS-28(30)	a_2(-21) YS-28(-21)	SF(0.77) FS(0.77)	b_2(2.7) YS(2.7)	NC(Carbamidomethyl)(23)		y_3(-21)
320.1165	**338.1276**	**340.1583**	**355.0550**	**362.1907**	**366.1445**	**373.1836**	**379.1977**	**390.1689**	**391.1604**
b_3-H_2O(-24)	b_3(-21) y_6-NH_3^{+2}(-128)			NC(Carbamidomethyl)D-28 (215)		NC(Carbamidomethyl)D-NH_3 (274)		NC(Carbamidomethyl)D (157)	
464.2407	**467.2025**	**577.3133**	**672.2878**	**682.2738**	**692.3609**	**700.2784**	**708.3241**	**719.2991**	**796.4687**
y_4(-21)	b_4-H_2O(21) YSFS-H_2O (21)	SQNC(Carbamidomethyl)D-28(190) y_5(-37)	a_6(-16)	b_6-H_2O(-14)	y_6(-0.67)	SQNC(Carbamidomethyl)DI-H_2O(9.3) b_6(-22)	y_{12}^{+2}(11)		b_7-H_2O (179)
816.3449	**832.4087**	**833.3948**	**834.4143**	**852.3857**	**864.3293**	**894.4229**	**931.4594**	**966.5440**	**1073.1855**
		MH^{+2}(37)	y_7-H_2O (39)	y_7(-7.4)	SQNC(Carbamidomethyl)DIY-NH_3(12)		QNC(Carbamidomethyl)DIYPG-NH_3(105)	y_8(113)	

[–] Main Sequence Ions

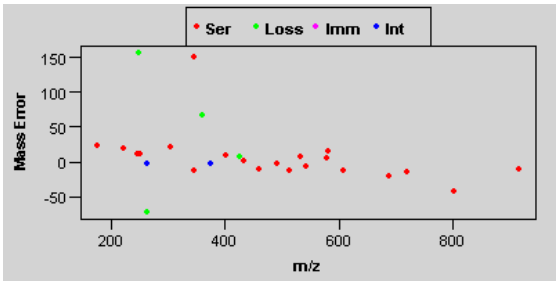
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1578.6893	789.8483
338.1347	3	S	12	1415.6260	708.3166
485.2031	4	F	11	1328.5940	664.8006
572.2351	5	S	10	1181.5255	591.2664
700.2937	6	Q	9	1094.4935	547.7504
814.3366	7	N	8	966.4349	483.7211
974.3673	8	C(Carbamidomethyl)	7	852.3920	426.6996
1089.3942	9	D	6	692.3614	346.6843
1202.4783	10	I	5	577.3344	289.1709
1365.5416	11	Y	4	464.2504	232.6288
1462.5944	12	P	3	301.1870	151.0972
1519.6158	13	G	2	204.1343	102.5708
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKYFIDFVAR^{+3}



Max Intensity: **19.3**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **75.6%** Matched Series Intensity: **75.6%**



Sequence SYKYFIDFVAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H98 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1409.6377	1408.7260	705.3226	704.8666	470.5508	470.2468

[–] Peak Matches

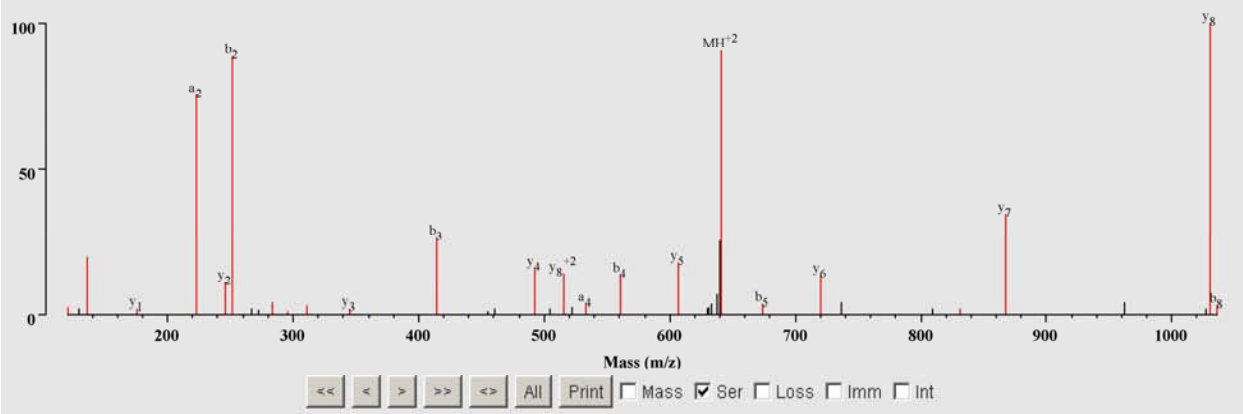
175.1232	**223.1120**	**246.1587**	**249.1626**	**251.1054**	**263.1016**	**268.0910**	**277.1568**	**304.1702**	**345.2201**
y_1(24)	a_2(19)	y_2(11)	a_4-NH_3^{+2}(157)	b_2(11)	DF(-3.9) b_4-NH_3^{+2}(-73)			y_5^{+2}(22)	b_5^{+2}(150) y_3(-13)
359.2331	**361.2107**	**376.1853**	**388.2258**	**401.7145**	**404.2108**	**421.2210**	**425.2376**	**434.2404**	**437.7004**
	b_3-H_2O(66)	FID(-3.7) IDF(-3.7)		b_6^{+2}(10)			y_7-H_2O^{+2}(7.3)	y_7^{+2}(1.4)	
454.2175	**459.2191**	**469.2061**	**472.2532**	**488.2741**	**492.2911**	**514.2594**	**532.7615**	**542.2575**	**555.7660**
	b_7^{+2}(-10)				y_4(-3.6)	a_4(-13)	b_8^{+2}(6.5)	b_4(-6.3)	
565.2321	**579.8216**	**582.3013**	**583.7227**	**607.3126**	**689.3157**	**720.3941**	**802.3791**	**834.3617**	**917.4311**
	y_9^{+2}(4.6)	b_9^{+2}(16)		y_5(-12)	b_5(-20)	y_6(-14)	YKYFID-28(-43) b_6(-43)		b_7(-10)

[–] Main Sequence Ions

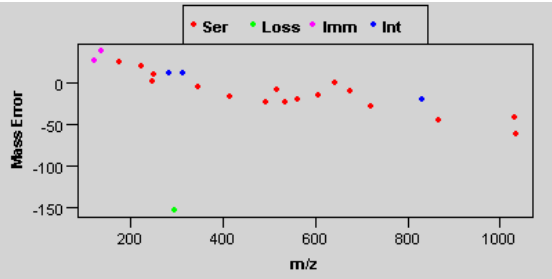
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1321.6939	661.3506
379.1976	190.1024	3	**K**	9	1158.6306	579.8189
542.2609	271.6341	4	**Y**	8	1030.5356	515.7715
689.3293	345.1683	5	**F**	7	867.4723	434.2398
802.4134	401.7103	6	**I**	6	720.4039	360.7056
917.4403	459.2238	7	**D**	5	607.3198	304.1636
1064.5088	532.7580	8	**F**	4	492.2929	246.6501
1163.5772	582.2922	9	**V**	3	345.2245	173.1159
1234.6143	617.8108	10	**A**	2	246.1561	123.5817
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYFIDFVAR^{+2}



Max Intensity: **29.1**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **87.0%** Matched Series Intensity: **84.6%**



Sequence SYYFIDFVAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H86 N13 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1281.4625	1280.6310	641.2350	640.8191

[–] **Peak Matches**

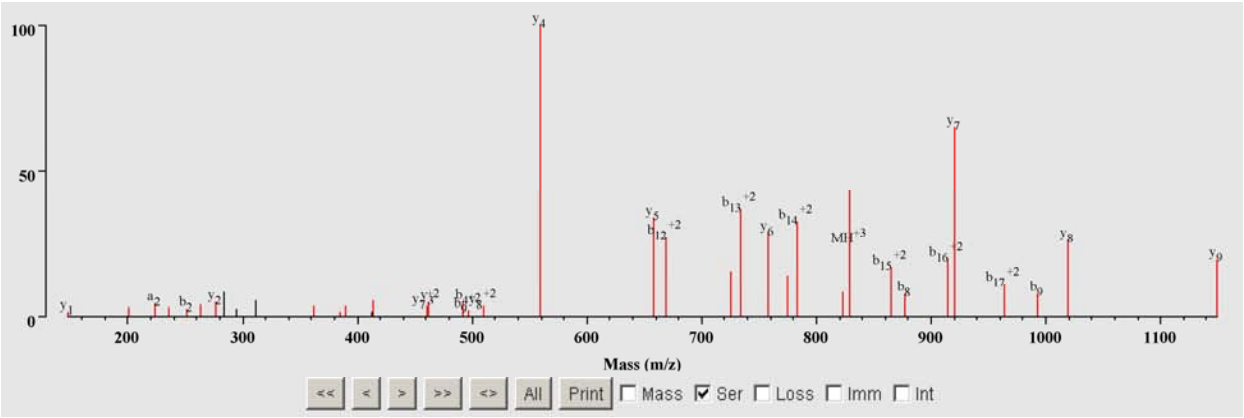
120.0840	129.1083	136.0810	175.1233	223.1124	246.1566	251.1055	267.1151	272.1694	283.1477
F(27)		Y(39)	y_1(25)	a_2(21)	y_2(2.2)	b_2(11)			YF-28(13)
295.1132	**311.1428**	**345.2227**	**414.1594**	**454.7600**	**460.2688**	**492.2818**	**504.2399**	**515.7674**	**522.2472**
y_5-H_2O^{+2}(-153)	YF(12)	y_3(-5.2)	b_3(-16)			y_4(-23)		y_8^{+2}(-7.9)	
533.2276	**561.2234**	**607.3105**	**629.5081**	**630.8414**	**633.7855**	**637.9621**	**639.6216**	**639.9215**	**640.8197**
a_4(-22)	b_4(-20)	y_5(-15)							MH^{+2}(0.88)
674.3116	**720.3834**	**737.2519**	**809.3850**	**831.3546**	**867.4344**	**961.8604**	**1027.4082**	**1030.4929**	**1035.4195**
YYFID-28(-10) b_5(-10)	y_6(-28)			YYFIDF-H_2O(-20)	y_7(-44)			y_8(-41)	b_8(-61)

[–] **Main Sequence Ions**

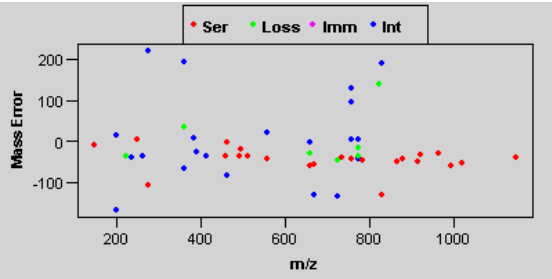
b			y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1193.5990	597.3031
414.1660	3	Y	8	1030.5356	515.7715
561.2344	4	F	7	867.4723	434.2398
674.3184	5	I	6	720.4039	360.7056
789.3454	6	D	5	607.3198	304.1636
936.4138	7	F	4	492.2929	246.6501
1035.4822	8	V	3	345.2245	173.1159
1106.5193	9	A	2	246.1561	123.5817
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKLGQSLDC(Carbamidomethyl)NAEVYVVPWEK^{+3}



Max Intensity: **19.6**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **97.1%** Matched Series Intensity: **97.0%**



Sequence SYKLGQSLDC(Carbamidomethyl)NAEVYVVPWEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C112 H170 N27 O35 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2486.6581	2485.2068	1243.8327	1243.1070	829.5576	829.0738

[–] Peak Matches

147.1112	201.0896	223.1000	235.1348	251.1034	263.1289	276.1255	283.2476	294.2339	311.2821
y_1(-11)	AE(13) LD-28(-168) SL(-168) EV-28(-168)	a_2(-35) y_3-NH_3^{+2}(-35)	VY-28(-40) YV-28(-40)	b_2(3.1)	VY(-38) YV(-38)	DC(Carbamidomethyl)(220) y_2(-108)			
362.1831	**385.1894**	**390.0973**	**412.2061**	**413.1674**	**460.7308**	**462.2332**	**492.2637**	**496.7463**	**510.2626**
DC(Carbamidomethyl)N-28(194) b_3-NH_3(33) VYV(-67) YVV(-67)	PWE-28(6.1)	DC(Carbamidomethyl)N(-27)		PWE(-35)	y_7^{+2}(-36)	y_3(-3.3) YKLG(-82)	b_4(-36)	b_9^{+2}(-20)	y_8^{+2}(-37)
559.2635	**658.3171**	**669.2746**	**725.2866**	**733.8043**	**757.3912**	**774.3494**	**774.8261**	**783.3292**	**823.5139**
NAEVY-H_2O(22) y_4(-43)	NAEVYV-H_2O(-3.6) y_{11}-H_2O^{+2}(-31) y_5(-59)	b_{12}^{+2}(-55) EVYVVP-H_2O(-129)	b_{13}-NH_3^{+2}(-45) KLGQSLD-NH_3(-133)	b_{13}^{+2}(-39)	GQSLDC(Carbamidomethyl)N-H_2O(129) LGQSLDC(Carbamidomethyl)-NH_3(96) NAEVYVV-H_2O(4.3) y_6(-44)	LGQSLDC(Carbamidomethyl)(5.6) LDC(Carbamidomethyl) NAEV-28(5.6) b_{14}-H_2O^{+2}(-16) YVVPWE(-42)	b_{14}-NH_3^{+2}(-35)	b_{14}^{+2}(-48)	MH-NH_3^{+3}(140)
828.9664	**829.4721**	**864.8540**	**877.4404**	**914.3882**	**920.4574**	**963.9378**	**992.4440**	**1019.5005**	**1148.5515**
MH^{+3}(-130)	GQSLDC(Carbamidomethyl)NA-NH_3(190)	b_{15}^{+2}(-51)	YKLGQSLD-28(-43) b_8(-43)	b_{16}^{+2}(-49)	y_7(-33)	b_{17}^{+2}(-30)	b_9(-61)	y_8(-54)	y_9(-41)

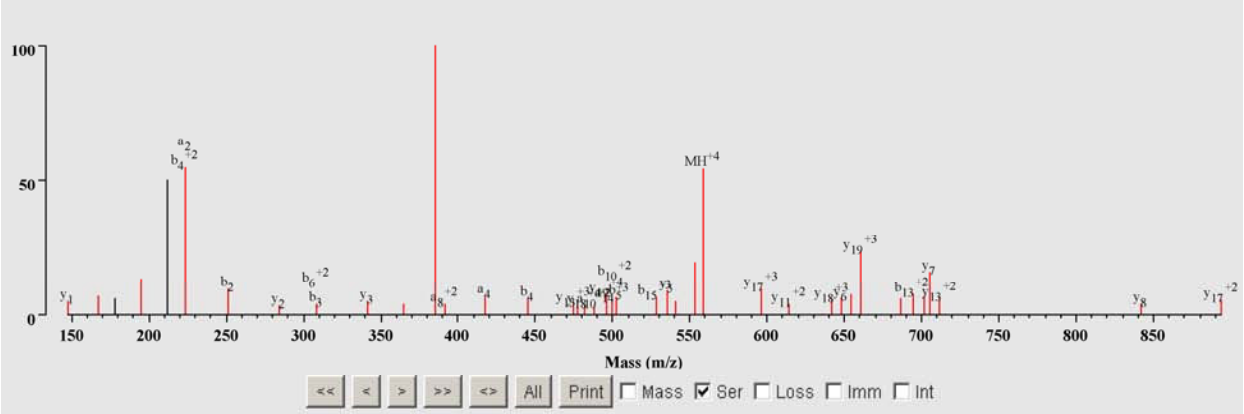
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	21	---	---
251.1026	---	2	**Y**	20	2398.1748	1199.5910
379.1976	190.1024	3	**K**	19	2235.1114	1118.0594
492.2817	246.6445	4	**L**	18	2107.0165	1054.0119
549.3031	275.1552	5	**G**	17	1993.9324	997.4698
677.3617	339.1845	6	**Q**	16	1936.9109	968.9591
764.3937	382.7005	7	**S**	15	1808.8524	904.9298
877.4778	439.2425	8	**L**	14	1721.8203	861.4138
992.5047	496.7560	9	**D**	13	1608.7363	804.8718
1152.5354	576.7713	10	**C(Carbamidomethyl)**	12	1493.7093	747.3583
1266.5783	633.7928	11	**N**	11	1333.6787	667.3430

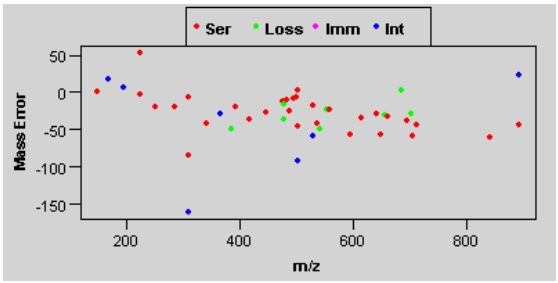
1337.6154	669.3114	12	**A**	10	1219.6358	610.3215
1466.6580	733.8326	13	**E**	9	1148.5986	574.8030
1565.7264	783.3669	14	**V**	8	1019.5560	510.2817
1728.7898	864.8985	15	**Y**	7	920.4876	460.7475
1827.8582	914.4327	16	**V**	6	757.4243	379.2158
1926.9266	963.9669	17	**V**	5	658.3559	329.6816
2023.9794	1012.4933	18	**P**	4	559.2875	280.1474
2210.0587	1105.5330	19	**W**	3	462.2347	231.6210
2339.1013	1170.0543	20	**E**	2	276.1554	138.5813
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGHGLGHGHEQQHGLGHGHK^{+4}



Max Intensity: **241**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **89.0%** Matched Series Intensity: **86.8%**



Sequence: SYGHGLGHGHEQQHGLGHGHK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C95 H137 N36 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2231.3719	2230.0398	1116.1896	1115.5235	744.4622	744.0181	558.5985	558.2654

[–] Peak Matches

147.1129	167.0955	178.0705	195.0890	212.0687	223.1069	251.0976	284.1661	308.1220	341.1789
y_1(0.65)	GH-28(17) HG-28(17)		GH(6.9) HG(6.9)		b_4^{+2}(53) a_2(-3.7)	b_2(-20)	y_2(-20)	b_3(-6.8) b_6^{+2}(-84) HGL(-161) LGH(-161)	y_3(-42)
365.1830	**385.1536**	**391.1833**	**417.1725**	**445.1708**	**474.5586**	**477.2217**	**481.4816**	**488.2185**	**495.7372**
GHGL(-28) HGLG(-28) GLGH(-28) LGHG(-28)	a_{15}-NH_3^{+4}(-49)	a_8^{+2}(-19)	a_4(-37)	b_4(-27)	y_{13}^{+3}(-12)	y_{18}-NH_3^{+4}(-16) y_9-NH_3^{+2}(-36)	y_{18}^{+4}(-9.5)	a_{10}^{+2}(-25)	y_{19}^{+4}(-8.8)
499.8925	**502.2057**	**528.2251**	**535.2518**	**541.2412**	**553.7496**	**558.2527**	**595.9264**	**614.2815**	**641.6273**
a_{14}^{+3}(-6.7)	b_5(2.4) b_{10}^{+2}(-45) LGHGH(-92) HGLGH(-92)	b_{15}^{+3}(-18) YGHGL(-59)	y_5(-41)	y_{10}-NH_3^{+2}(-49)	MH-H_2O^{+4}(-24)	MH^{+4}(-23)	y_{17}^{+3}(-56)	y_{11}^{+2}(-34)	y_{18}^{+3}(-29)
648.3207	**654.6298**	**660.6314**	**686.2965**	**694.7815**	**701.2997**	**705.3379**	**711.3121**	**842.3866**	**893.3974**
y_6(-57)	y_{19}-H_2O^{+3}(-30)	y_{19}^{+3}(-33)	b_{13}-NH_3^{+2}(2.4)	b_{13}^{+2}(-38)	b_{20}+H_2O^{+3}(-29)	y_7(-58)	y_{13}^{+2}(-43)	y_8(-61)	HGHEQQHG-H_2O(24) GHGHEQQH-H_2O(24) y_{17}^{+2}(-43)

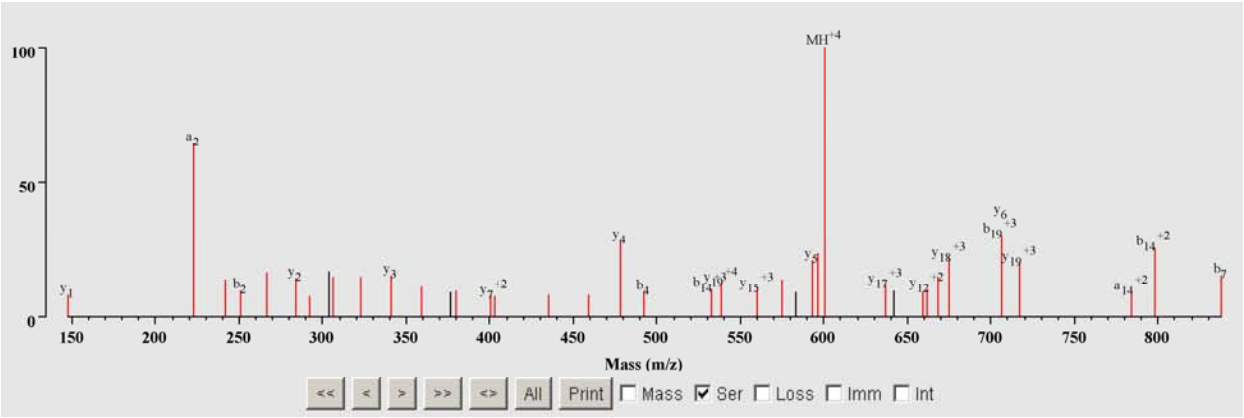
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 21	---	---
251.1026	---	2	Y 20	2143.0077	1072.0075
308.1241	---	3	G 19	1979.9444	990.4758
445.1830	223.0951	4	H 18	1922.9229	961.9651
502.2045	251.6059	5	G 17	1785.8640	893.4356
615.2885	308.1479	6	L 16	1728.8426	864.9249
672.3100	336.6586	7	G 15	1615.7585	808.3829
809.3689	405.1881	8	H 14	1558.7370	779.8722
866.3904	433.6988	9	G 13	1421.6781	711.3427
1003.4493	502.2283	10	H 12	1364.6567	682.8320
1132.4919	566.7496	11	E 11	1227.5977	614.3025
1260.5505	630.7789	12	Q 10	1098.5551	549.7812

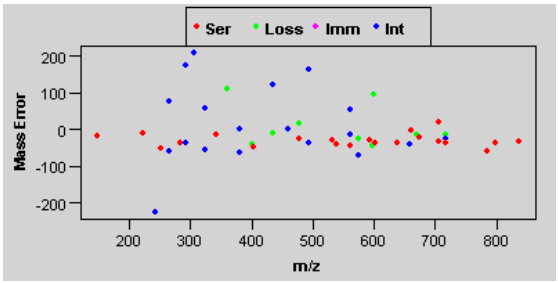
1388.6090	694.8082	13	**Q**	9	970.4966	485.7519
1525.6679	763.3376	14	**H**	8	842.4380	421.7226
1582.6894	791.8483	15	**G**	7	705.3791	353.1932
1695.7735	848.3904	16	**L**	6	648.3576	324.6824
1752.7949	876.9011	17	**G**	5	535.2736	268.1404
1889.8539	945.4306	18	**H**	4	478.2521	239.6297
1946.8753	973.9413	19	**G**	3	341.1932	171.1002
2083.9342	1042.4708	20	**H**	2	284.1717	142.5895
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKLDDDLEHQGGHVLDHGHK^{+4}



Max Intensity: **8.61**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **93.6%** Matched Series Intensity: **92.1%**



Sequence: SYKLDDDLEHQGGHVLDHGHK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C103 H155 N32 O35

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2401.5730	2400.1327	1201.2902	1200.5700	801.1959	800.7158	601.1488	600.7886

[–] Peak Matches

147.1100	223.1056	242.1315	251.0899	266.1448	284.1610	292.1548	304.0480	306.1838	323.1650
y_1(-19)	a_2(-9.5)	KL(-226)	b_2(-51)	HQ(75) GHV-28(-61)	y_2(-38)	DHG-H_2O(174) YK(-37)		HQG-NH_3(209)	HQG(58) GGHV-28(-55)
341.1880	**359.2120**	**376.1566**	**380.1686**	**400.1673**	**403.2002**	**435.2145**	**459.1720**	**478.2399**	**492.2637**
y_3(-15)	y_{13}-NH_3^{+4}(111)		QGGH(2.4) HQGG(2.4) LEH(-64)	b_{10}-H_2O^{+3}(-42)	y_7^{+2}(-48)	EHQG-NH_3(120) y_{12}-H_2O^{+3}(-8.7)	LDDD(-0.37) DDDL(-0.37)	y_{13}-H_2O^{+3}(16) y_4(-25)	EHQGG-NH_3(162) b_4(-36) YKLD-28(-36)
532.5586	**538.2434**	**560.2487**	**575.2532**	**583.2731**	**593.2625**	**596.2583**	**600.3219**	**600.7661**	**636.9336**
b_{14}^{+3}(-30)	y_{19}^{+4}(-40)	DDDLE-28(52) LDHGH(-16) y_{15}^{+3}(-43)	y_5-H_2O(-27) QGGHVL-NH_3(-70)		y_5(-28)	MH-H_2O^{+4}(-46)	b_{10}-NH_3^{+2}(96)	MH^{+4}(-38)	y_{17}^{+3}(-38)
641.9328	**659.2984**	**661.3266**	**668.6382**	**674.6377**	**706.3407**	**717.3258**	**784.3122**	**798.3287**	**837.3339**
	GHVLDH(-42) HVLDHG(-42) VLDHGH(-42)	y_{12}^{+2}(-3.7)	y_{18}-H_2O^{+3}(-16)	y_{18}^{+3}(-22)	b_{19}^{+3}(19) y_6(-32)	y_{13}-NH_3^{+2}(-16) EHQGGHV-28(-24) y_{19}^{+3}(-35)	a_{14}^{+2}(-61)	b_{14}^{+2}(-37)	b_7(-34)

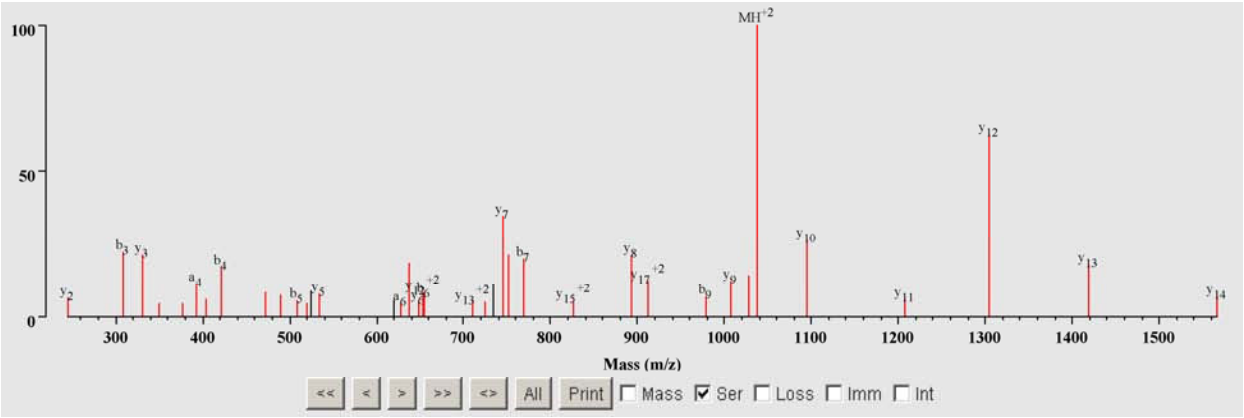
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	21	---	---
251.1026	---	2	**Y**	20	2313.1007	1157.0540
379.1976	190.1024	3	**K**	19	2150.0374	1075.5223
492.2817	246.6445	4	**L**	18	2021.9424	1011.4748
607.3086	304.1579	5	**D**	17	1908.8583	954.9328
722.3355	361.6714	6	**D**	16	1793.8314	897.4193
837.3625	419.1849	7	**D**	15	1678.8044	839.9059
950.4466	475.7269	8	**L**	14	1563.7775	782.3924
1079.4891	540.2482	9	**E**	13	1450.6934	725.8504
1216.5481	608.7777	10	**H**	12	1321.6508	661.3291
1344.6066	672.8070	11	**Q**	11	1184.5919	592.7996
1401.6281	701.3177	12	**G**	10	1056.5334	528.7703
1458.6496	729.8284	13	**G**	9	999.5119	500.2596
1595.7085	798.3579	14	**H**	8	942.4904	471.7489
1694.7769	847.8921	15	**V**	7	805.4315	403.2194

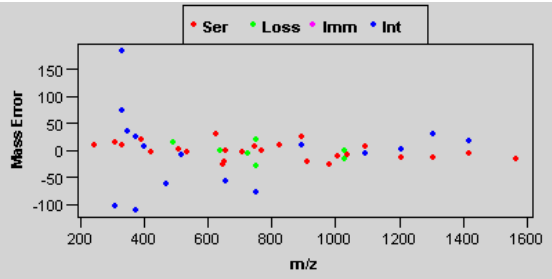
1807.8610	904.4341	16	**L**	6	706.3631	353.6852
1922.8879	961.9476	17	**D**	5	593.2790	297.1432
2059.9468	1030.4770	18	**H**	4	478.2521	239.6297
2116.9683	1058.9878	19	**G**	3	341.1932	171.1002
2254.0272	1127.5172	20	**H**	2	284.1717	142.5895
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLSFNPISDFPDTTSPK^{+2}



Max Intensity: **8.78**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **95.7%** Matched Series Intensity: **94.6%**



Sequence: SYGLSFNPISDFPDTTSPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C94 H138 N21 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2074.2653	2072.9811	1037.6364	1036.9942

[–] Peak Matches

244.1679	308.1287	331.2010	349.1624	377.1765	393.2217	403.2005	421.2068	472.2259	490.2370
y_2(9.6)	b_3(15) NPI-NH_3(-103)	SFN-H_2O(184) FNP-28(74) y_3(10)	SFN(34)	DTTS-28(26) GLSF-28(-111)	YGLS-28(21) a_4(21)	b_4-H_2O(7.2) YGLS-H_2O(7.2)	YGLS(-3.2) b_4(-3.2)	FNPI(-63)	b_5-H_2O(15)
508.2417	**519.2521**	**524.2066**	**533.2919**	**619.3072**	**627.3334**	**637.2973**	**648.3033**	**652.8075**	**655.3077**
b_5(3.0)	GLSFN(-7.8)		y_5(-2.0)		a_6(31)	b_6-H_2O(-1.2)	y_6(-26)	y_{12}^{+2}(-22)	b_6(-1.4) LSFNPI-NH_3(-57)
709.8404	**724.3260**	**734.3216**	**745.3776**	**751.3191**	**752.3389**	**769.3508**	**826.9018**	**892.4642**	**911.9271**
y_{13}^{+2}(-4.4)	a_7-NH_3(-5.6)		y_7(6.6)	b_7-H_2O(-29) YGLSFNP-28(-78)	b_7-NH_3(19)	b_7(-0.95)	y_{15}^{+2}(9.7)	y_8(26) YGLSFNPI(8.8)	y_{17}^{+2}(-21)
979.4617	**1007.4556**	**1027.9731**	**1028.4799**	**1036.9863**	**1094.5089**	**1207.5667**	**1304.6193**	**1418.6732**	**1565.7214**
YGLSFNPIS(-27) b_9(-27)	y_9(-12)	MH-H_2O^{+2}(-15)	MH-NH_3^{+2}(-1.00)	MH^{+2}(-7.6)	y_{10}(8.1) YGLSFNPISD(-5.8)	FNPISDFPDTT-28(3.1) y_{11}(-14)	SFNPISDFPDTT-H_2O(31) FNPISDFPDTTS-H_2O(31) y_{12}(-13)	LSFNPISDFPDTT-NH_3(18) y_{13}(-4.7)	y_{14}(-17)

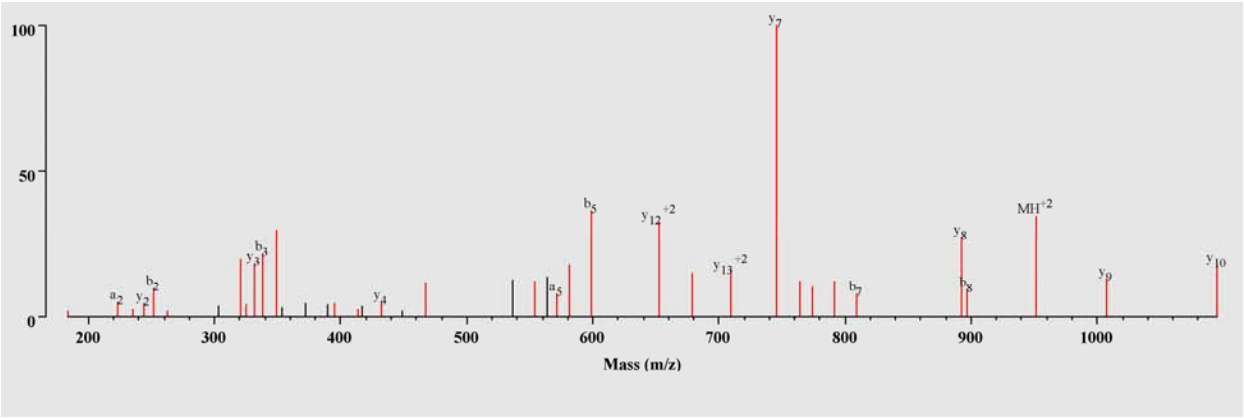
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	19 ---	---
251.1026	2	Y	18 1985.9491	993.4782
308.1241	3	G	17 1822.8858	911.9465
421.2082	4	L	16 1765.8643	883.4358
508.2402	5	S	15 1652.7802	826.8938
655.3086	6	F	14 1565.7482	783.3777
769.3515	7	N	13 1418.6798	709.8435
866.4043	8	P	12 1304.6369	652.8221
979.4884	9	I	11 1207.5841	604.2957
1066.5204	10	S	10 1094.5000	547.7537
1181.5473	11	D	9 1007.4680	504.2376
1328.6157	12	F	8 892.4411	446.7242
1425.6685	13	P	7 745.3727	373.1900
1540.6955	14	D	6 648.3199	324.6636
1641.7431	15	T	5 533.2930	267.1501
1742.7908	16	T	4 432.2453	216.6263

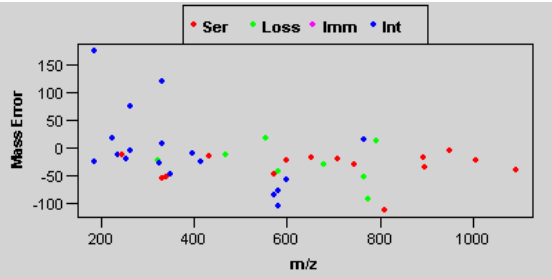
1829.8228	17	**S**	3	331.1976	166.1024
1926.8756	18	**P**	2	244.1656	122.5864
---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFNPISDFPDTTSPK^{+2}



Max Intensity: **3.38**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **91.8%** Matched Series Intensity: **91.3%**



Sequence: SYSFNPISDFPDTTSPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C86 H124 N19 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1904.0526	1902.8756	952.5300	951.9414

[–] Peak Matches

183.1447	223.1116	235.1050	244.1625	251.0973	262.1380	303.0875	320.1165	325.1778	331.1791
IS-H_2O(174) PI-28(-25)	a_2(17) YS-28(17)	SF(-12) DF-28(-12)	y_2(-13)	b_2(-21) YS(-21)	FN(74) TTS-28(-6.7)		b_3-H_2O(-24)	NPI(-28)	SFN-H_2O(118) FNP-28(8.0) y_3(-56)
338.1171	**349.1337**	**353.1528**	**372.1202**	**390.0867**	**395.1881**	**413.1924**	**417.1518**	**432.2390**	**449.2037**
b_3(-52)	SFN(-49)				PISD-H_2O(-11) NPIS-NH_3(-11)	PISD(-26)		y_4(-15)	
467.1861	**536.2039**	**554.2333**	**564.2071**	**571.2231**	**581.2110**	**599.2317**	**652.8099**	**679.2511**	**709.8288**
b_4-H_2O(-14)		a_5-NH_3(16)		a_5(-49) PDTTSP-28(-86)	b_5-H_2O(-42) PDTTSP-H_2O(-78) YSFNP-28(-105)	b_5(-24) PDTTSP(-59)	y_{12}^{+2}(-19)	b_6-NH_3(-31)	y_{13}^{+2}(-21)
745.3502	**764.3203**	**774.3016**	**791.3828**	**809.2910**	**892.4256**	**896.3829**	**951.9364**	**1007.4439**	**1094.4555**
y_7(-30)	SDFPDTT(14) DFPDTTS(14) a_7-NH_3(-54)	y_{14}-H_2O^{+2}(-92)	YSFNPIS-H_2O(13) b_7-H_2O(13)	YSFNPIS(-113) b_7(-113)	y_8(-17)	YSFNPISD-28(-36) b_8(-36)	MH^{+2}(-5.3)	y_9(-24)	y_{10}(-41)

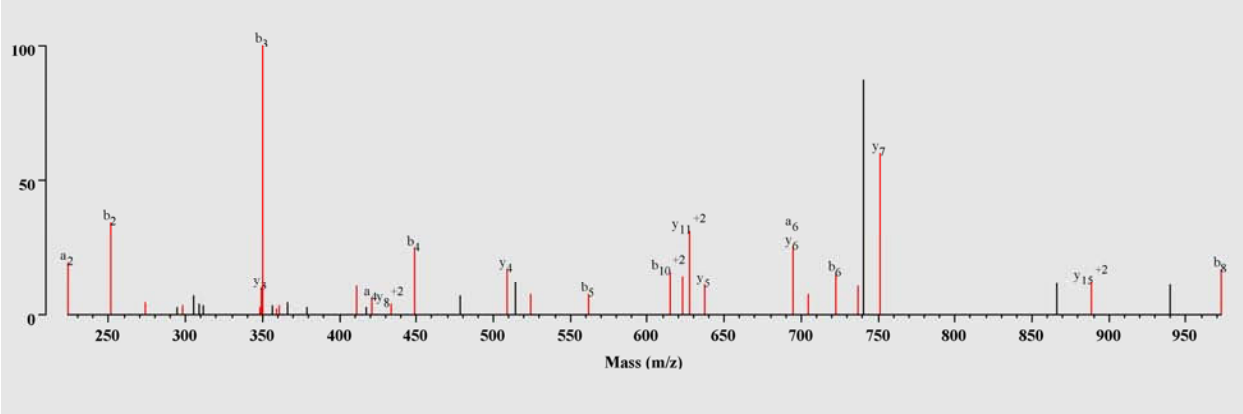
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1815.8436	908.4254
338.1347	3	S	1652.7802	826.8938
485.2031	4	F	1565.7482	783.3777
599.2460	5	N	1418.6798	709.8435
696.2988	6	P	1304.6369	652.8221
809.3828	7	I	1207.5841	604.2957
896.4149	8	S	1094.5000	547.7537
1011.4418	9	D	1007.4680	504.2376
1158.5102	10	F	892.4411	446.7242
1255.5630	11	P	745.3727	373.1900
1370.5899	12	D	648.3199	324.6636
1471.6376	13	T	533.2930	267.1501
1572.6853	14	T	432.2453	216.6263
1659.7173	15	S	331.1976	166.1024

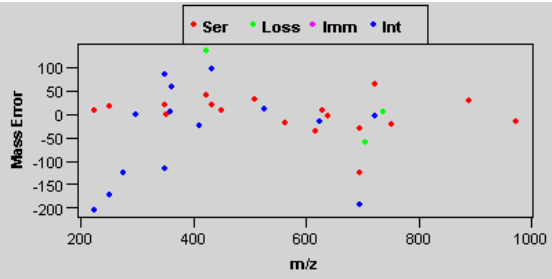
1756.7701	16	**P**	2	244.1656	122.5864
---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVVIC(Carbamidomethyl)HLPC(Carbamidomethyl)MNGGQC(Carbamidomethyl)SSR^{+3}



Max Intensity: **4.44**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **74.9%** Matched Series Intensity: **74.4%**



Sequence: SYVVIC(Carbamidomethyl)HLPC(Carbamidomethyl)MNGGQC(Carbamidomethyl)S
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C90 H146 N29 O29 S4

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2226.1021	2224.9719	1113.5548	1112.9896	742.7057	742.3288

[–] Peak Matches

223.1096	251.1072	274.0875	294.2394	298.0966	305.1519	309.1480	311.1734	348.1630	349.1899
a_2(8.4) HL-28(-205)	b_2(18) HL(-171)	IC(Carbamidomethyl)(-126)		C(Carbamidomethyl)H(-0.79)				QC(Carbamidomethyl)S-28(84) HLP(-115)	y_3(20)
350.1704	**356.0809**	**359.1040**	**361.1570**	**366.1242**	**379.1734**	**411.1705**	**417.2037**	**421.2618**	**433.1917**
b_3(-1.8)		QC(Carbamidomethyl)S-NH_3(5.6)	PC(Carbamidomethyl)M-28(57)			C(Carbamidomethyl)HL(-25) IC(Carbamidomethyl)H(-25)		b_7-H_2O^{+2}(135) a_4(41)	GQC(Carbamidomethyl)S(96) y_8^{+2}(21)
449.2436	**478.2615**	**509.2294**	**514.2955**	**524.2711**	**562.3134**	**615.2717**	**623.3232**	**627.2493**	**637.2690**
b_4(9.2)		y_4(31)		IC(Carbamidomethyl)HL(12)	b_5(-18)	b_{10}^{+2}(-36)	VIC(Carbamidomethyl)HL(-16)	y_{11}^{+2}(7.4)	y_5(-5.1)
694.2728	**704.3021**	**722.3998**	**736.6574**	**740.3829**	**751.2981**	**866.3543**	**888.8982**	**939.3663**	**972.4806**
y_6(-30) a_6(-125) VVIC(Carbamidomethyl)HL-28(-193)	b_6-H_2O(-59)	b_6(63) VVIC(Carbamidomethyl)HL(-2.8)	MH-NH_3^{+3}(5.6)		y_7(-23)		y_{15}^{+2}(28)		b_8(-17)

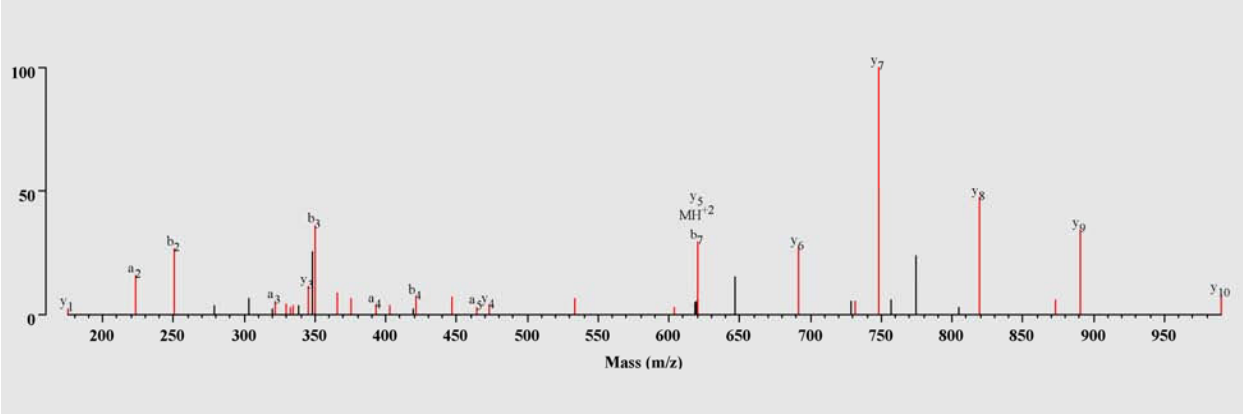
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	19	---	---
251.1026	---	2	**Y**	18	2137.9398	1069.4736
350.1710	---	3	**V**	17	1974.8765	987.9419
449.2395	---	4	**V**	16	1875.8081	938.4077
562.3235	---	5	**I**	15	1776.7397	888.8735
722.3542	---	6	**C(Carbamidomethyl)**	14	1663.6556	832.3314
859.4131	430.2102	7	**H**	13	1503.6250	752.3161
972.4971	486.7522	8	**L**	12	1366.5661	683.7867
1069.5499	535.2786	9	**P**	11	1253.4820	627.2446
1229.5806	615.2939	10	**C(Carbamidomethyl)**	10	1156.4292	578.7182
1360.6210	680.8142	11	**M**	9	996.3986	498.7029
1474.6640	737.8356	12	**N**	8	865.3581	433.1827
1531.6854	766.3464	13	**G**	7	751.3152	376.1612
1588.7069	794.8571	14	**G**	6	694.2937	347.6505
1716.7655	858.8864	15	**Q**	5	637.2722	319.1398

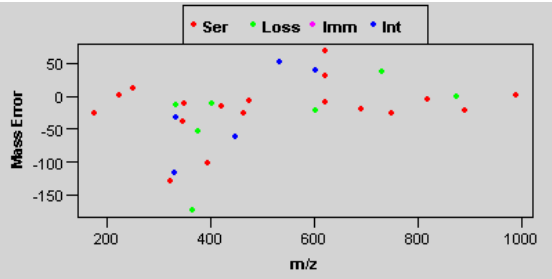
1876.7961	938.9017	16	**C(Carbamidomethyl)**	4	509.2137	255.1105
1963.8282	982.4177	17	**S**	3	349.1830	175.0951
2050.8602	1025.9337	18	**S**	2	262.1510	131.5791
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVAAGAFQGLR^{+2}



Max Intensity: **10.5**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **79.4%** Matched Series Intensity: **78.2%**



Sequence SYVAAGAFQGLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C56 H87 N16 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1240.4129	1239.6480	620.7102	620.3277

[–] **Peak Matches**

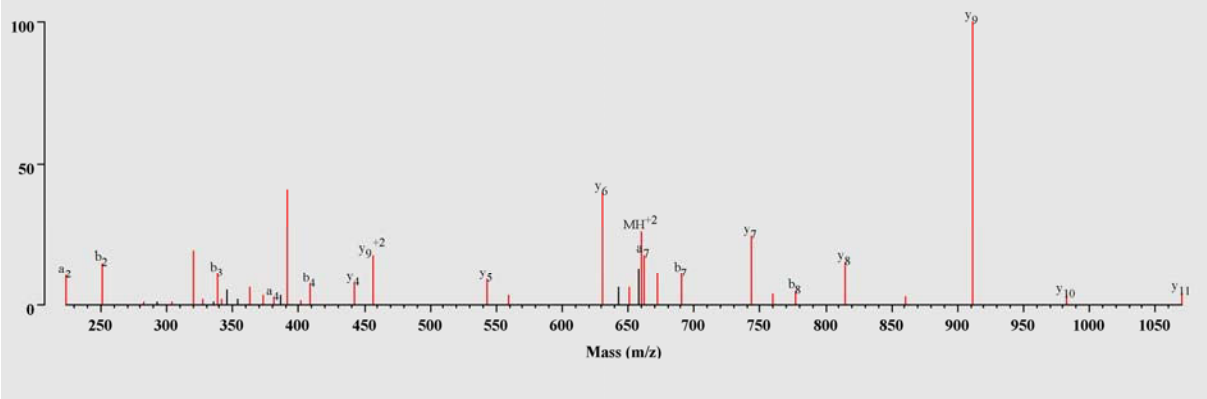
175.1143	**223.1082**	**251.1057**	**279.0996**	**303.2056**	**320.1194**	**322.1344**	**330.1064**	**332.1561**	**334.1653**
y_1(-27)	a_2(2.2)	b_2(12)				a_3(-130)	AFQ-NH_3(-116)	b_3-H_2O(-13)	YVA(-32)
338.1428	**345.2111**	**348.1118**	**350.1669**	**366.1315**	**375.1826**	**393.1732**	**403.1927**	**419.1896**	**421.2016**
	y_3(-39)		b_3(-12)	y_7-NH_3^{+2}(-174)	a_4-H_2O(-54)	a_4(-102)	b_4-H_2O(-12)		b_4(-16)
447.2076	**464.2384**	**473.2798**	**533.2993**	**603.3120**	**618.2500**	**619.8208**	**620.3464**	**646.3714**	**691.3753**
AGAFQ-28(-61)	a_5(-26)	y_4(-6.9)	YVAAGA(52)	AAGAFQG(39) y_5-NH_3(-21)			b_7(69) MH^{+2}(30) y_5(-8.2)		y_6(-19)
728.3650	**731.4106**	**748.3900**	**757.4099**	**774.4365**	**804.4065**	**819.4423**	**873.4563**	**890.4651**	**989.5536**
	y_7-NH_3(37)	y_7(-27)				y_8(-5.9)	y_9-NH_3(-1.6)	y_9(-22)	y_{10}(0.92)

[–] **Main Sequence Ions**

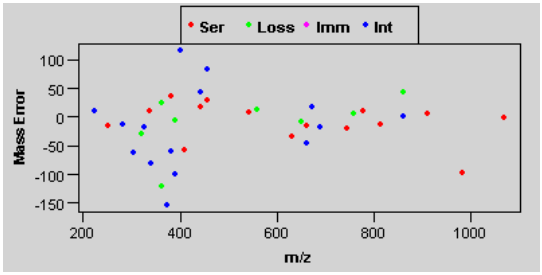
b			y	y^{+2}
---	1	S 12	---	---
251.1026	2	Y 11	1152.6160	576.8116
350.1710	3	V 10	989.5527	495.2800
421.2082	4	A 9	890.4843	445.7458
492.2453	5	A 8	819.4472	410.2272
549.2667	6	G 7	748.4100	374.7087
620.3039	7	A 6	691.3886	346.1979
767.3723	8	F 5	620.3515	310.6794
895.4308	9	Q 4	473.2831	237.1452
952.4523	10	G 3	345.2245	173.1159
1065.5364	11	L 2	288.2030	144.6051
---	12	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAPALSTPGIR^{+2}



Max Intensity: **3.15**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **91.9%** Matched Series Intensity: **91.3%**



Sequence SYSAPALSTPGIR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C58 H95 N16 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1320.4970	1319.6954	660.7522	660.3513

[–] **Peak Matches**

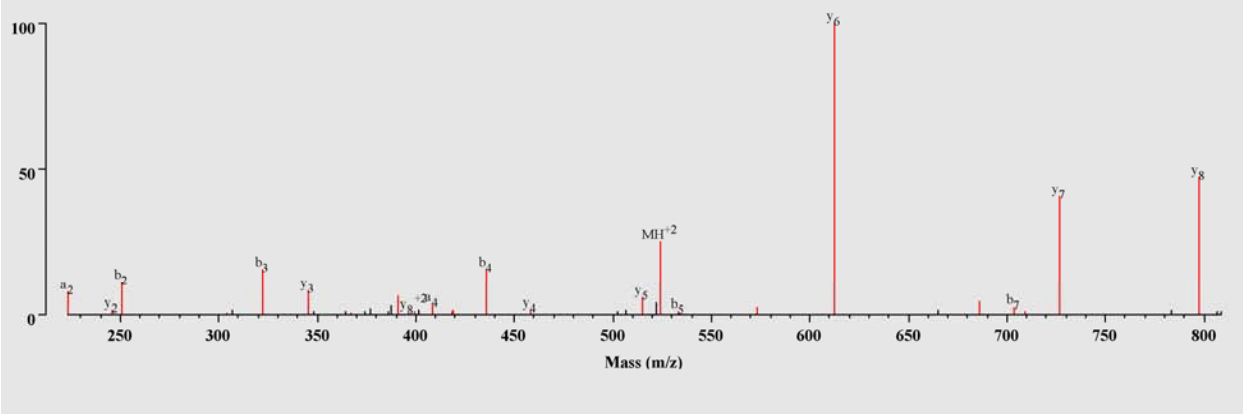
223.1102	251.0988	282.1778	293.0996	304.1100	320.1148	327.1607	335.1908	338.1380	341.1908
a_2(11) YS-28(11)	YS(-15) b_2(-15)	PAL(-12)		YSA-H_2O(-63)	b_3-H_2O(-29)	SAPA(-17)		b_3(9.9)	TPGI-28(-81) PALS-28(-81)
346.1407	**354.1567**	**363.1749**	**373.1507**	**381.1909**	**386.2135**	**391.1586**	**401.2284**	**409.1485**	**442.2854**
		a_4-H_2O(24) y_7-H_2O^{+2}(-121)	ALST(-154)	a_4(37) LSTP-H_2O(-59)		b_4-H_2O(-6.7) YSAP-28(-100)	YSAP-H_2O(116)	b_4(-57)	ALSTP-28(44) PALST-28(44) y_4(18)
456.2827	**543.3287**	**559.2583**	**630.3346**	**642.3348**	**651.3403**	**657.8328**	**658.3524**	**660.3405**	**662.3194**
STPGI(82) LSTPG(82) y_9^{+2}(30)	y_5(7.0)	b_6-H_2O(13)	y_6(-35)		MH-H_2O^{+2}(-8.8)			MH^{+2}(-16)	a_7(-47) YSAPALS-28(-47)
672.3467	**690.3326**	**743.4263**	**759.3722**	**777.3862**	**814.4665**	**860.4518**	**911.5365**	**982.4729**	**1069.5979**
b_7-H_2O(17) YSAPALS-H_2O(17)	b_7(-19) YSAPALS(-19)	y_7(-20)	b_8-H_2O(6.6)	b_8(11)	y_8(-14)	b_9-H_2O(43) YSAPALSTP-28(0.65)	y_9(6.2)	y_{10}(-97)	y_{11}(-2.0)

[–] **Main Sequence Ions**

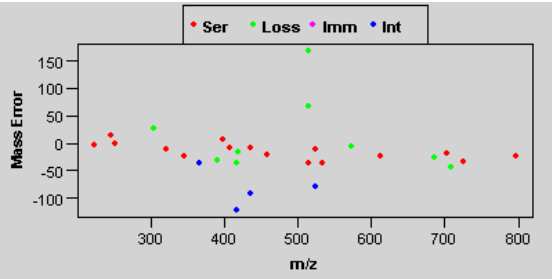
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1232.6634	616.8353
338.1347	3	S	1069.6000	535.3037
409.1718	4	A	982.5680	491.7876
506.2245	5	P	911.5309	456.2691
577.2617	6	A	814.4781	407.7427
690.3457	7	L	743.4410	372.2241
777.3777	8	S	630.3570	315.6821
878.4254	9	T	543.3249	272.1661
975.4782	10	P	442.2772	221.6423
1032.4997	11	G	345.2245	173.1159
1145.5837	12	I	288.2030	144.6051
---	13	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYANPGLVAR^{+2}



Max Intensity: **69.1**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **91.8%** Matched Series Intensity: **90.9%**



Sequence SYANPGLVAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C46 H75 N14 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1048.1939	1047.5582	524.6007	524.2827

[–] **Peak Matches**

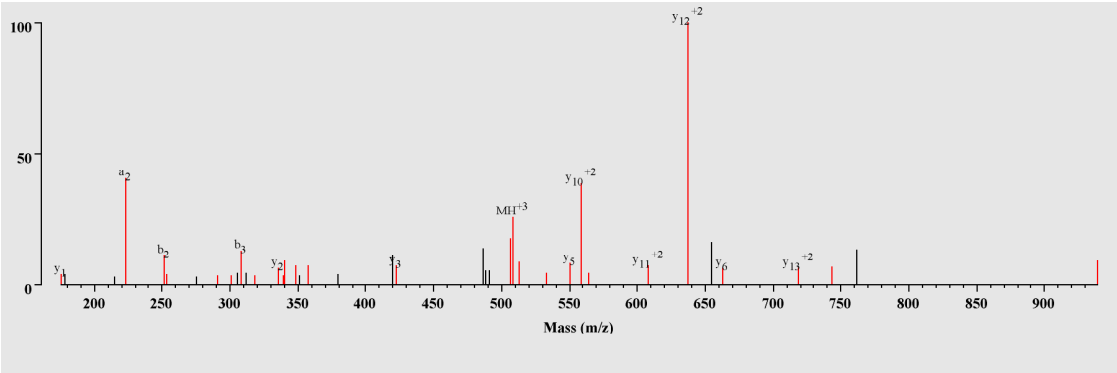
223.1068	246.1597	251.1027	304.1376	307.1923	322.1361	345.2163	348.1206	364.2052	367.2208
a_2(-4.1)	y_2(15)	b_2(0.27)	b_3-H_2O(28)		b_3(-11)	y_3(-24)			PGLV(-36)
374.1291	**377.1432**	**386.2039**	**387.1997**	**391.1489**	**399.2379**	**401.2072**	**408.1838**	**418.1573**	**419.1489**
				a_4-NH_3(-31)	y_8^{+2}(7.2)		a_4(-9.7)	b_4-H_2O(-35) YANP-28(-122)	b_4-NH_3(-17)
436.1794	**458.2985**	**502.2434**	**506.7441**	**515.3113**	**521.7126**	**522.2142**	**524.2776**	**533.2163**	**573.2269**
b_4(-7.5) ANPGL-NH_3(-91)	y_4(-22)			b_5-H_2O(168) MH-H_2O^{+2}(66) y_5(-36)			MH^{+2}(-9.8) NPGLVA-28(-79) ANPGLV-28(-79)	b_5(-36)	b_6-NH_3(-6.0)
612.3686	**665.3167**	**686.2976**	**703.3278**	**709.3677**	**726.4020**	**783.3704**	**797.4446**	**806.3970**	**808.3926**
y_6(-23)		b_7-NH_3(-25)	b_7(-19)	y_7-NH_3(-44)	y_7(-33)		y_8(-23)		

[–] **Main Sequence Ions**

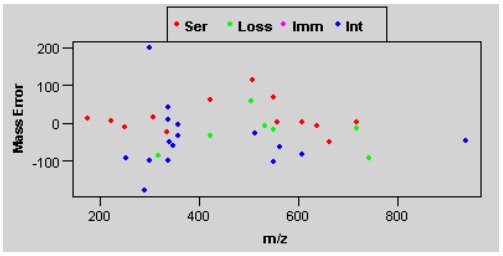
b			y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	960.5261	480.7667
322.1397	3	A	8	797.4628	399.2350
436.1827	4	N	7	726.4257	363.7165
533.2354	5	P	6	612.3828	306.6950
590.2569	6	G	5	515.3300	258.1686
703.3410	7	L	4	458.3085	229.6579
802.4094	8	V	3	345.2245	173.1159
873.4465	9	A	2	246.1561	123.5817
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGVSLRPIGASC(Carbamidomethyl)R^{+3}



Max Intensity: **3.06**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **79.9%** Matched Series Intensity: **78.7%**



Sequence: SYGVSLRPIGASC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C64 H108 N21 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1523.5995	1522.7795	762.3035	761.8934	508.5381	508.2647

[–] Peak Matches

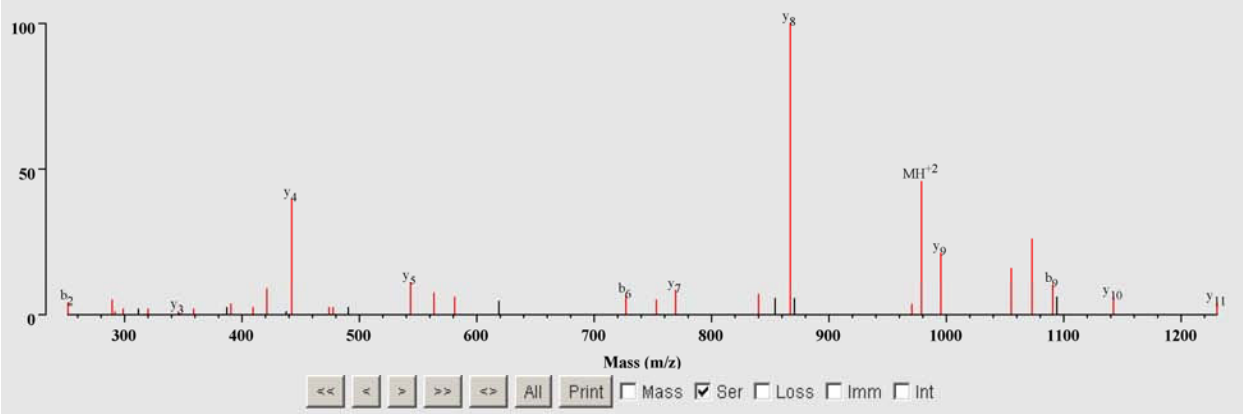
175.1212	178.0969	215.1363	223.1085	251.1002	253.1424	275.0929	291.0601	301.1565	305.1937
y_1(13)			a_2(3.5)	b_2(-9.7)	LR-NH_3(-93)		ASC(Carbamidomethyl)-28(-179)	ASC(Carbamidomethyl)-H_2O(199) IGAS-28(-101)	
308.1287	**312.2071**	**318.0956**	**335.1412**	**339.2163**	**340.1809**	**348.1127**	**351.2061**	**357.2120**	**379.3251**
b_3(15)		y_2-NH_3(-86)	y_2(-25)	PIGA(40) GVSL-H_2O(40) SLR-H_2O(7.0) RPI-28(-100) LRP-28(-100)	SLR-NH_3(-50)	GASC(Carbamidomethyl)-28(-60)		GVSL(-3.5) SLR(-35)	
419.7805	**422.2077**	**486.2931**	**488.3321**	**491.2895**	**506.3084**	**508.3228**	**513.3000**	**533.2089**	**550.2773**
	y_3(62) b_8-NH_3^{+2}(-33)				y_9-H_2O^{+2}(57)	MH^{+3}(114)	GVSLR(-28)	y_5-NH_3(-8.9)	y_5(67) y_{10}-NH_3^{+2}(-19) SLRPI-NH_3(-104)
558.8016	**564.2893**	**608.3365**	**636.8411**	**654.3874**	**663.2901**	**718.3783**	**743.2810**	**761.3837**	**938.4990**
y_{10}^{+2}(1.5)	RPIGAS-H_2O(-64)	y_{11}^{+2}(2.5) LRPIGA(-84)	y_{12}^{+2}(-7.2)		y_6(-52)	y_{13}^{+2}(1.3) a_7-NH_3(-14)	y_7-NH_3(-93)		GVSLRPIGAS(-46)

[–] Main Sequence Ions

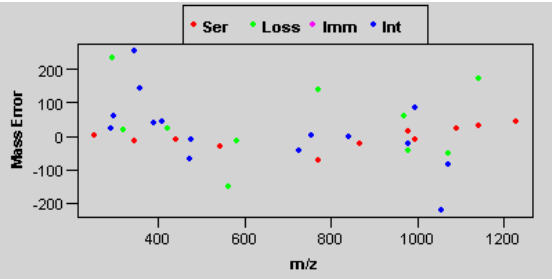
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1435.7474	718.3774
308.1241	---	3	**G**	12	1272.6841	636.8457
407.1925	---	4	**V**	11	1215.6627	608.3350
494.2245	---	5	**S**	10	1116.5942	558.8008
607.3086	---	6	**L**	9	1029.5622	515.2847
763.4097	382.2085	7	**R**	8	916.4781	458.7427
860.4625	430.7349	8	**P**	7	760.3770	380.6922
973.5465	487.2769	9	**I**	6	663.3243	332.1658
1030.5680	515.7876	10	**G**	5	550.2402	275.6237
1101.6051	551.3062	11	**A**	4	493.2187	247.1130
1188.6371	594.8222	12	**S**	3	422.1816	211.5945
1348.6678	674.8375	13	**C(Carbamidomethyl)**	2	335.1496	168.0784
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTC(Carbamidomethyl)QSFEPPETPVVK^{+2}



Max Intensity: **2.50**
Num Matched: **29/37 (21.6% unmatched)** Matched Intensity: **92.4%** Matched Series Intensity: **91.3%**



Sequence: SYSTC(Carbamidomethyl)QSFEPPETPVVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C86 H131 N20 O30 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1957.0143	1955.9055	979.0109	978.4564

[–] Peak Matches

251.1032	289.1034	292.1979	298.1945	312.0800	320.1294	345.2441	359.1535	387.1705	390.1594
YS(2.3) b_2(2.3)	C(Carbamidomethyl)Q(24)	a_3-H_2O(235)	TPV(62)		b_3-H_2O(17)	QSF-H_2O (256) y_3(-16)	C(Carbamidomethyl)QS-NH_3(143)		TC(Carbamidomethyl) Q(39)
409.2259	**421.1816**	**437.1475**	**442.2973**	**474.1651**	**477.1703**	**490.2244**	**543.3330**	**563.2107**	**581.1938**
ETPV-H_2O(43)	b_4-H_2O(23)		y_4(-12)	QSFE-H_2O(-70)	STC(Carbamidomethyl) Q(-12) TC(Carbamidomethyl) QS(-12)		y_5(-31)	y_{10}-NH_3^{+2}(-150)	b_5-H_2O(-15)
618.2149	**727.2402**	**753.2892**	**769.3902**	**840.3178**	**853.8694**	**866.4789**	**870.4532**	**970.0010**	**978.4698**
	b_6(-43) YSTC(Carbamidomethyl) QS(-43)	TC(Carbamidomethyl)QSFE (2.6)	a_7-NH_3 (140) y_7(-72)	STC(Carbamidomethyl) QSFE(-1.7)		y_8(-22)		MH-NH_3^{+2} (60)	MH^{+2}(14) FEPPETPVV-H_2O(-24) y_9-NH_3(-45)
995.5328	**1055.3061**	**1072.3509**	**1090.4384**	**1093.4343**	**1142.6442**	**1229.6946**			
QSFEPPETP-H_2O (86) y_9(-8.0)	SFEPPETPVV-28(-222)	b_9-H_2O(-50) YSTC(Carbamidomethyl) QSFEP-28(-83)	b_9(22)		a_{10}-NH_3(174) y_{10}(31)	y_{11}(43)			

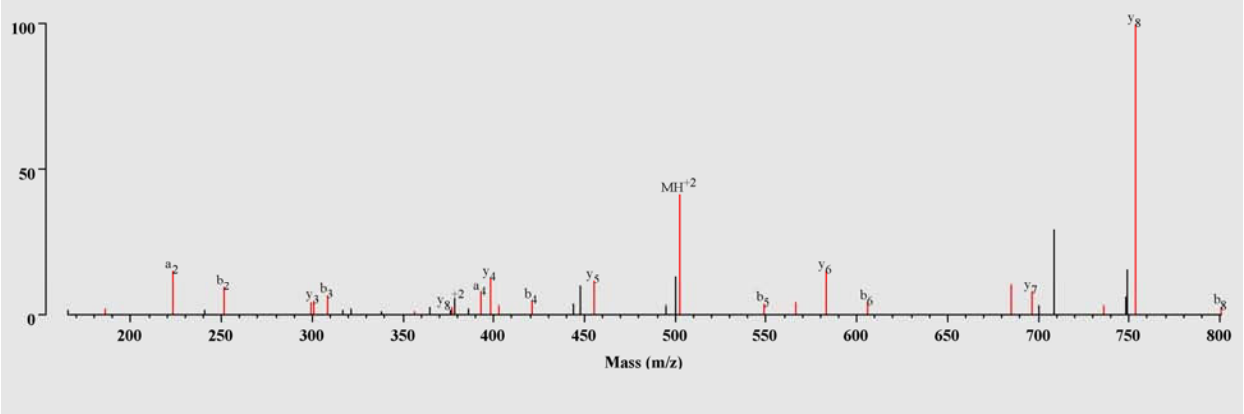
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	17	---	---
251.1026	2	Y	16	1868.8735	934.9404
338.1347	3	S	15	1705.8102	853.4087
439.1823	4	T	14	1618.7781	809.8927
599.2130	5	C(Carbamidomethyl)	13	1517.7305	759.3689
727.2716	6	Q	12	1357.6998	679.3535
814.3036	7	S	11	1229.6412	615.3243
961.3720	8	F	10	1142.6092	571.8082
1090.4146	9	E	9	995.5408	498.2740
1187.4674	10	P	8	866.4982	433.7527
1284.5201	11	P	7	769.4454	385.2264
1413.5627	12	E	6	672.3927	336.7000
1514.6104	13	T	5	543.3501	272.1787
1611.6632	14	P	4	442.3024	221.6548

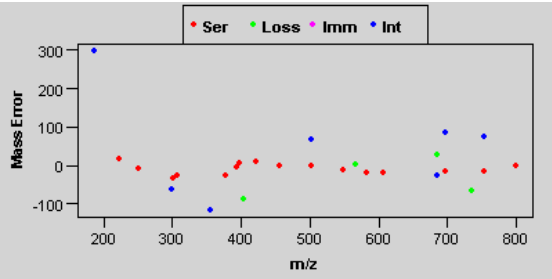
1710.7316	15	**V**	3	345.2496	173.1285
1809.8000	16	**V**	2	246.1812	123.5942
---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLQGPPGK^{+2}



Max Intensity: **9.20**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **72.9%** Matched Series Intensity: **69.9%**



Sequence: SYGLQGPPGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C45 H71 N12 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1004.1375	1003.5207	502.5724	502.2640

[–] Peak Matches

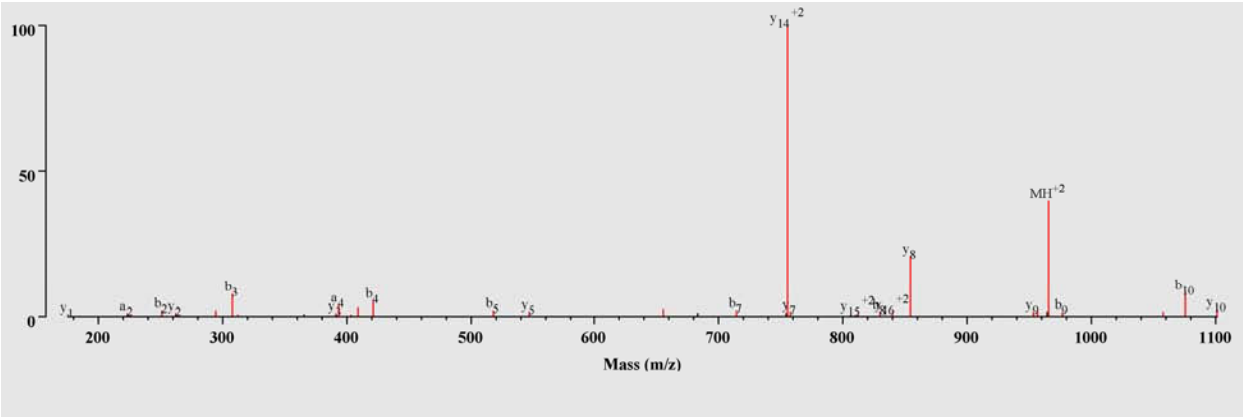
165.0580	186.1428	223.1116	241.1018	251.1003	299.1521	301.1774	308.1159	317.1698	321.1147
	QG(298)	a_2(17)		b_2(-9.3)	GLQ(-64) LQG(-64)	y_3(-32)	b_3(-27)		
338.1450	**356.1510**	**365.1636**	**376.2122**	**377.2060**	**378.2767**	**386.2042**	**393.2111**	**398.2422**	**403.1626**
	GLQG(-117)			y_8^{+2}(-27)			a_4(-5.5)	y_4(6.0)	b_4-H_2O(-87)
421.2116	**444.2284**	**447.7484**	**455.2602**	**495.2364**	**500.2707**	**502.2627**	**549.2598**	**566.2954**	**583.3077**
b_4(8.2)			y_5(-2.3)			YGLQG-NH_3(66) MH^{+2}(-2.6)	b_5(-13)	y_6-NH_3(3.7)	y_6(-21)
606.2774	**685.3479**	**696.3939**	**700.3636**	**708.3820**	**736.3513**	**748.3922**	**749.3868**	**753.4135**	**800.3922**
b_6(-18)	b_7-H_2O(26) YGLQGPP-28(-28)	YGLQGPP-NH_3(84) y_7(-14)			y_8-NH_3(-65)			YGLQGPPG-NH_3(76) y_8(-16)	b_8(-1.9)

[–] Main Sequence Ions

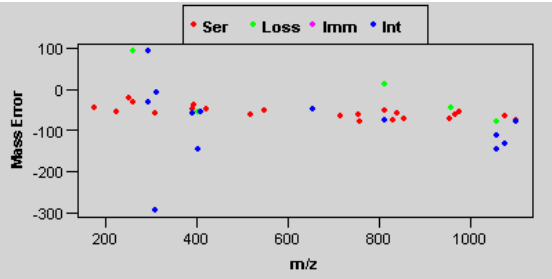
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	916.4887	458.7480
308.1241	3	G	8	753.4254	377.2163
421.2082	4	L	7	696.4039	348.7056
549.2667	5	Q	6	583.3198	292.1636
606.2882	6	G	5	455.2613	228.1343
703.3410	7	P	4	398.2398	199.6235
800.3937	8	P	3	301.1870	151.0972
857.4152	9	G	2	204.1343	102.5708
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLPPVDFVPPIGVESR^{+2}



Max Intensity: **86.5**
Num Matched: **29/33 (12.1% unmatched)** Matched Intensity: **97.9%** Matched Series Intensity: **97.5%**



Sequence: SYGLPPVDFVPPIGVESR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C90 H138 N21 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1930.2247	1929.0116	965.6160	965.0095

[–] Peak Matches

175.1108	223.0957	251.0974	262.1427	294.1722	308.1061	312.1527	366.1581	391.1747	393.1988
y_1(-47)	a_2(-54)	b_2(-21)	a_3-H_2O(92) y_2(-32)	PVD-H_2O(93) PPV(-31) VPP(-31)	b_3(-58) PPI(-295) LPP(-295)	PVD(-8.6)		y_3(-48) PPVD-H_2O(-59)	a_4(-37)
403.1754	**409.1854**	**421.1872**	**518.2289**	**547.2543**	**655.3120**	**683.2930**	**714.3356**	**754.4770**	**754.8618**
b_4-H_2O(-55) YGLP-28(-145)	PPVD(-56)	b_4(-50)	b_5(-62)	y_5(-53)	PPVDFV(-50) PVDFVP(-50) VDFVPP(-50)		YGLPPVD-28(-65) b_7(-65)		y_{14}^{+2}(-63)
757.3600	**811.4094**	**829.3456**	**839.9128**	**854.4108**	**953.4738**	**956.4510**	**964.5873**	**964.9488**	**976.4215**
y_7(-80)	b_8-H_2O(13) y_{15}^{+2}(-51) FVPPIGVE-28(-76)	b_8(-76)	y_{16}^{+2}(-58)	y_8(-73)	y_9(-71)	MH-NH_3^{+2}(-47)		MH^{+2}(-63)	b_9(-57)
1057.4530	**1075.4771**	**1100.5278**							
b_{10}-H_2O(-78) YGLPPVDFVP-28(-112) LPPVDFVPPI-H_2O(-147)	b_{10}(-64) LPPVDFVPPI(-132)	y_{10}(-75) PPVDFVPPIGV-H_2O(-78)							

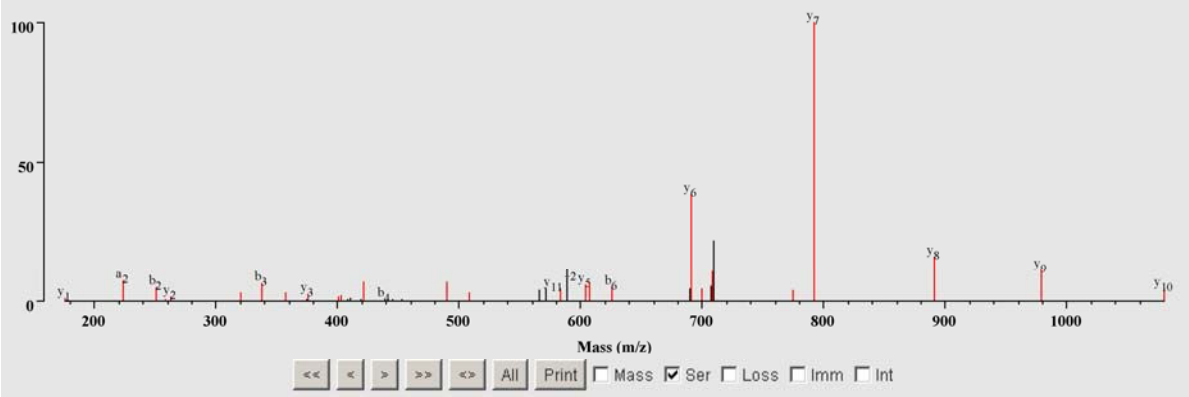
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1841.9796	921.4934
308.1241	3	G	16	1678.9163	839.9618
421.2082	4	L	15	1621.8948	811.4510
518.2609	5	P	14	1508.8108	754.9090
615.3137	6	P	13	1411.7580	706.3826
714.3821	7	V	12	1314.7052	657.8563
829.4090	8	D	11	1215.6368	608.3220
976.4775	9	F	10	1100.6099	550.8086
1075.5459	10	V	9	953.5415	477.2744
1172.5986	11	P	8	854.4730	427.7402
1269.6514	12	P	7	757.4203	379.2138
1382.7355	13	I	6	660.3675	330.6874
1439.7569	14	G	5	547.2835	274.1454
1538.8253	15	V	4	490.2620	245.6346

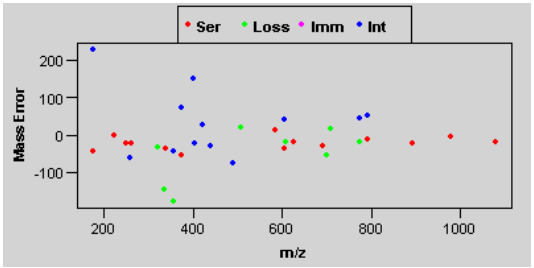
1667.8679	16	**E**	3	391.1936	196.1004
1754.9000	17	**S**	2	262.1510	131.5791
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTSVTSDNLSR^{+2}



Max Intensity: **10.4**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **82.5%** Matched Series Intensity: **82.2%**



Sequence SYSTSVTSDNLSR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H94 N17 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1417.4809	1416.6601	709.2442	708.8337

[–] Peak Matches

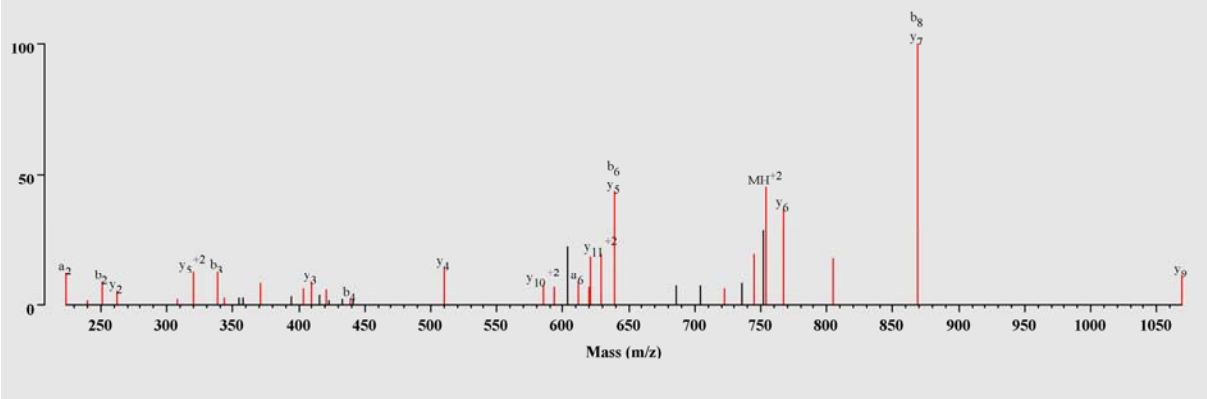
175.1112	223.1074	251.0973	258.0926	262.1456	320.1131	337.1171	338.1224	357.1609	374.2174
SD-28(228) y_1(-44)	YS-28(-1.4) a_2(-1.4)	YS(-21) b_2(-21)	STS-H_2O(-61)	y_2(-21)	b_3-H_2O(-34)	y_6-H_2O^{+2}(-147)	b_3(-36)	STSV-H_2O(-45) SVTS-H_2O(-45) y_3-H_2O(-178)	
375.2141	**401.1904**	**403.1740**	**408.1631**	**410.1811**	**419.2054**	**421.1825**	**439.1697**	**445.1425**	**453.1684**
STSV(71) VTSD-28(71) SVTS(71) y_3(-56)	TSDN-NH_3(150)	VTSD(-21)				b_4-H_2O(25) YSTS-H_2O(25)	b_4(-29) YSTS(-29)		
490.1772	**508.2133**	**565.7550**	**571.2457**	**583.7924**	**589.2388**	**604.2818**	**607.2613**	**625.2713**	**690.2828**
SVTSD(-76)	b_5-H_2O(19)			y_{11}^{+2}(11)		SVTSDN(41) y_5(-38)	b_6-H_2O(-18)	b_6(-18)	
691.3152	**699.7901**	**707.3369**	**708.3316**	**709.3169**	**774.3596**	**792.3763**	**891.4334**	**978.4807**	**1079.5110**
y_6(-31)	MH-H_2O^{+2}(-55)		YSTSVTS-H_2O(17) b_7-H_2O(17)		STSVTSDN-H_2O(43) y_7-H_2O(-19)	STSVTSDN(50) y_7(-11)	y_8(-22)	y_9(-4.5)	y_{10}(-20)

[–] Main Sequence Ions

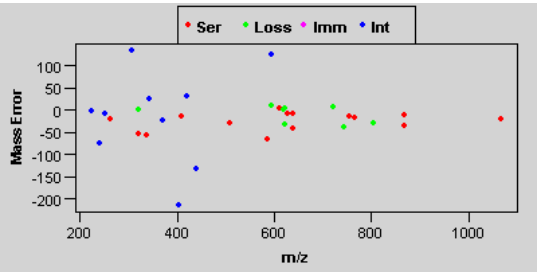
b			y	y^{+2}
---	1	S	13 ---	---
251.1026	2	Y	12 1329.6281	665.3177
338.1347	3	S	11 1166.5648	583.7860
439.1823	4	T	10 1079.5327	540.2700
526.2144	5	S	9 978.4851	489.7462
625.2828	6	V	8 891.4530	446.2302
726.3305	7	T	7 792.3846	396.6959
813.3625	8	S	6 691.3369	346.1721
928.3894	9	D	5 604.3049	302.6561
1042.4324	10	N	4 489.2780	245.1426
1155.5164	11	L	3 375.2350	188.1212
1242.5485	12	S	2 262.1510	131.5791
---	13	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTSITQETM(Oxidation)SR^{+2}



Max Intensity: **2.85**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **82.9%** Matched Series Intensity: **80.6%**



Sequence: SYSTSITQETM(Oxidation)SR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H100 N17 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1507.4641	1506.6741	754.2358	753.8407

[–] **Peak Matches**

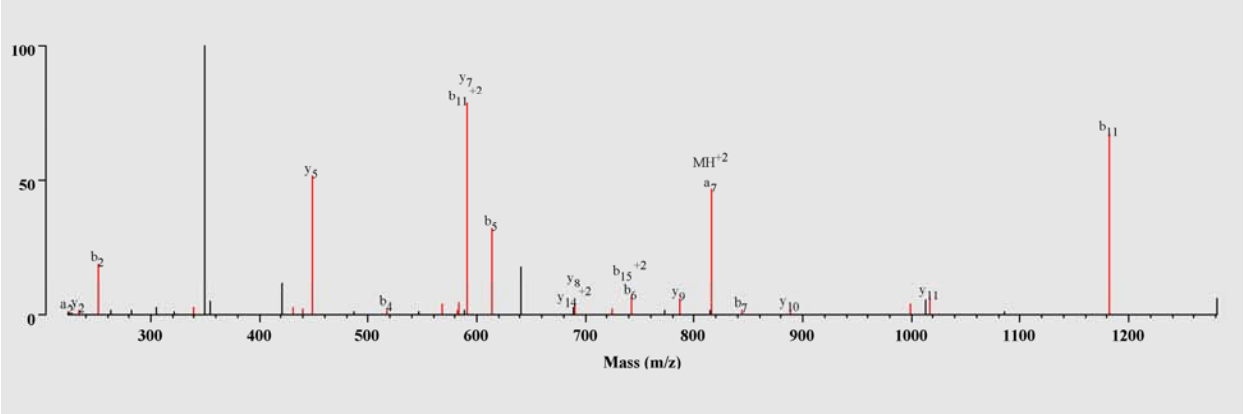
223.1074	**240.0799**	**251.1003**	**262.1456**	**308.1691**	**320.1249**	**338.1154**	**343.2061**	**355.1549**	**358.1329**
a_2(-1.4) YS-28(-1.4)	QE-H_2O(-75)	b_2(-9.3) YS(-9.3)	y_2(-21)	TM(Oxidation)S-28(135)	b_3-H_2O(2.5) y_5^{+2}(-53)	b_3(-57)	ITQ(25)		
371.1841	**394.1877**	**403.1322**	**409.1810**	**415.1861**	**421.1844**	**423.1798**	**433.2097**	**439.1241**	**441.1834**
STSI-H_2O(-23)		TSIT(-215)	y_3(-13)		b_4-H_2O(30) YSTS-H_2O(30)			b_4(-133) YSTS(-133)	
510.2189	**585.2387**	**593.2988**	**603.2864**	**611.3056**	**619.7876**	**621.2683**	**628.7885**	**639.2722**	**686.2998**
y_4(-30)	y_{10}^{+2}(-65)	QETM(Oxidation)S(127) a_6-H_2O(9.9)		a_6(3.4)	y_{11}-H_2O^{+2}(-0.18)	y_5-H_2O(3.6) b_6-H_2O(-31)	y_{11}^{+2}(-7.1)	y_5(-7.0) b_6(-41)	
704.3093	**722.3409**	**735.8197**	**744.8076**	**752.3332**	**753.8293**	**767.3220**	**804.3603**	**868.3745**	**1068.4776**
	b_7-H_2O(7.4)		MH-H_2O^{+2}(-37)		MH^{+2}(-15)	y_6(-17)	y_7-$SOCH_4$(-30)	y_7(-9.7) b_8(-35)	y_9(-20)

[–] **Main Sequence Ions**

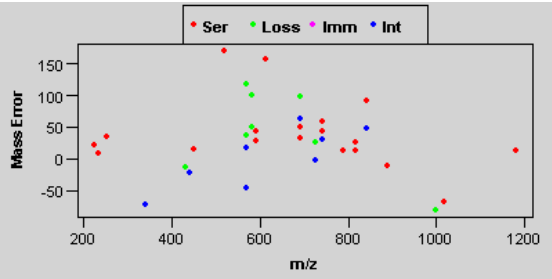
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1419.6420	710.3247
338.1347	3	S	11	1256.5787	628.7930
439.1823	4	T	10	1169.5467	585.2770
526.2144	5	S	9	1068.4990	534.7531
639.2984	6	I	8	981.4670	491.2371
740.3461	7	T	7	868.3829	434.6951
868.4047	8	Q	6	767.3352	384.1713
997.4473	9	E	5	639.2767	320.1420
1098.4950	10	T	4	510.2341	255.6207
1245.5304	11	M(Oxidation)	3	409.1864	205.0968
1332.5624	12	S	2	262.1510	131.5791
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHEPKTPVAAAGSSK^{+2}



Max Intensity: **7.34**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **68.0%** Matched Series Intensity: **64.8%**



Sequence: SYHEPKTPVAAAGSSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C71 H113 N20 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1630.8088	1629.8231	815.9081	815.4152

[–] Peak Matches

223.1123	234.1470	251.1115	263.1585	282.0528	305.1577	322.1785	339.1781	350.1747	355.0849
a_2(21)	y_2(9.3)	b_2(35)					PVAA(-72)		
421.2529	**431.2192**	**440.2410**	**449.2419**	**486.3024**	**517.2923**	**546.2913**	**568.3186**	**582.3536**	**582.8173**
	y_5-H_2O(-13)	TPVAA(-21)	y_5(14)		b_4(170)		a_5-H_2O(118) a_{11}-H_2O^{+2}(36) TPVAAAG(17) KTPVAA(-47)	b_{11}-H_2O^{+2}(99)	b_{11}-NH_3^{+2}(51)
588.1964	**591.3266**	**614.3525**	**640.8690**	**688.3560**	**690.4010**	**724.3607**	**742.3952**	**773.3524**	**787.4408**
	b_{11}^{+2}(43) y_7(29)	b_5(156)			b_{14}-NH_3^{+2}(98) HEPKTP(64) y_{14}^{+2}(49) y_8(33)	b_6-H_2O(27) TPVAAAGSS-H_2O(-2.4)	b_6(58) b_{15}^{+2}(44) TPVAAAGSS(30)		y_9(13)
814.3777	**815.4259**	**843.4764**	**888.4685**	**998.4816**	**1013.5499**	**1016.5046**	**1085.6204**	**1181.6099**	**1280.6185**
	a_7(26) MH^{+2}(13)	b_7(91) HEPKTPVA-NH_3(48)	y_{10}(-11)	y_{11}-H_2O(-81)		y_{11}(-68)		b_{11}(13)	

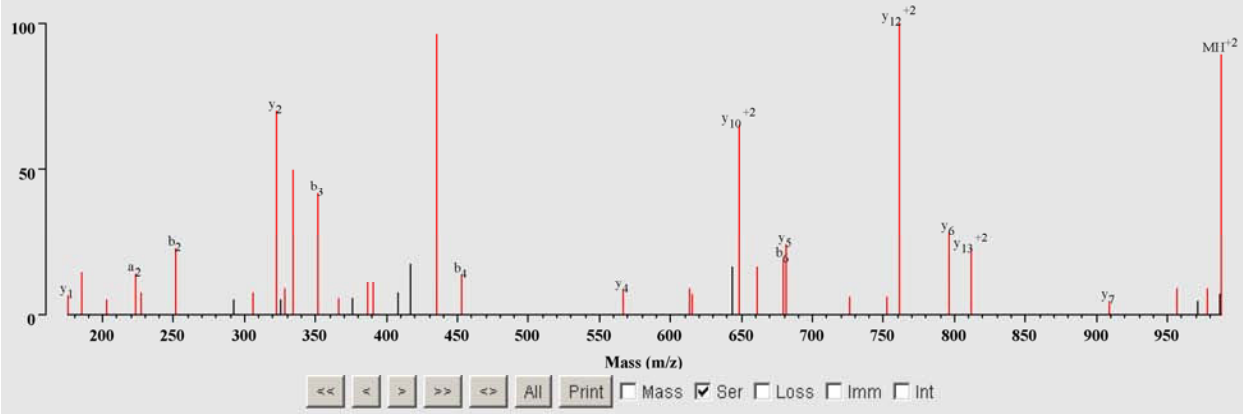
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 16	---	---
251.1026	---	2	**Y** 15	1542.7911	771.8992
388.1615	194.5844	3	**H** 14	1379.7278	690.3675
517.2041	259.1057	4	**E** 13	1242.6688	621.8381
614.2569	307.6321	5	**P** 12	1113.6262	557.3168
742.3519	371.6796	6	**K** 11	1016.5735	508.7904
843.3995	422.2034	7	**T** 10	888.4785	444.7429
940.4523	470.7298	8	**P** 9	787.4308	394.2191
1039.5207	520.2640	9	**V** 8	690.3781	345.6927
1110.5578	555.7826	10	**A** 7	591.3097	296.1585
1181.5949	591.3011	11	**A** 6	520.2726	260.6399
1252.6321	626.8197	12	**A** 5	449.2354	225.1214
1309.6535	655.3304	13	**G** 4	378.1983	189.6028
1396.6856	698.8464	14	**S** 3	321.1769	161.0921
1483.7176	742.3624	15	**S** 2	234.1448	117.5761

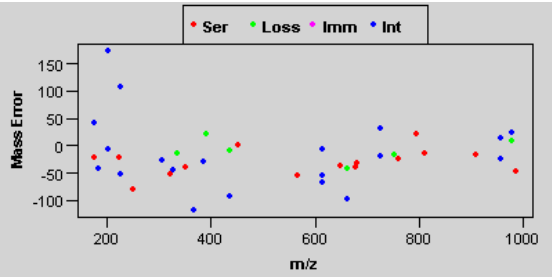
--- --- 16 **K** 1 147.1128 74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTTPEPC(Carbamidomethyl)ELDDEDFR^{+2}



Max Intensity: **1.60**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **92.3%** Matched Series Intensity: **91.3%**



Sequence: SYTTPEPC(Carbamidomethyl)ELDDEDFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C83 H121 N20 O34 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1974.8987	1973.8069	987.9531	987.4071

[–] Peak Matches

175.1149	185.0841	203.1013	223.1031	227.0907	251.0823	292.1185	306.1370	322.1706	325.1710
TT-28(41) y_1(-23)	TT-H_2O(-43)	DD-28(173) TT(-6.6)	a_2(-21)	ED-H_2O (108) DE-H_2O (108) PE(-53) EP(-53)	b_2(-81)		a_3-H_2O(-26) PEP-H_2O(-26)	y_2(-52)	
328.1356	**334.1346**	**352.1361**	**366.1228**	**376.1259**	**387.1218**	**390.1540**	**408.1669**	**417.1634**	**435.1839**
TPE(-45)	b_3-H_2O(-15)	b_3(-40)	YTT(-118)		PC(Carbamidomethyl)E(-30) EPC(Carbamidomethyl)(-30)	y_6-NH_3^{+2}(21)			b_4-H_2O(-8.1) YTTP-28(-92)
453.1986	**566.2256**	**613.1956**	**615.2035**	**643.2587**	**648.2399**	**661.2553**	**679.2659**	**681.2630**	**726.2995**
b_4(1.3)	y_4(-55)	PEPC(Carbamidomethyl)E(-54)	C(Carbamidomethyl)ELDD-H_2O(-7.2) PC(Carbamidomethyl)ELD(-66)		y_{10}^{+2}(-37)	b_6-H_2O(-42) YTTPEP-28(-97)	b_6(-40)	y_5(-31)	EPC(Carbamidomethyl)ELD-H_2O(32) PEPC(Carbamidomethyl)EL(-18)
752.2942	**761.2931**	**796.3271**	**811.8241**	**909.3803**	**956.3424**	**970.8745**	**978.4096**	**986.8478**	**987.3593**
y_{12}-H_2O^{+2}(-16)	y_{12}^{+2}(-24)	y_6(20)	y_{13}^{+2}(-14)	y_7(-16)	PC(Carbamidomethyl)ELDDED-H_2O(13) PEPC(Carbamidomethyl)ELDD(-25)		YTTPEPC(Carbamidomethyl)E(23) MH-H_2O^{+2}(8.0)		MH^{+2}(-48)

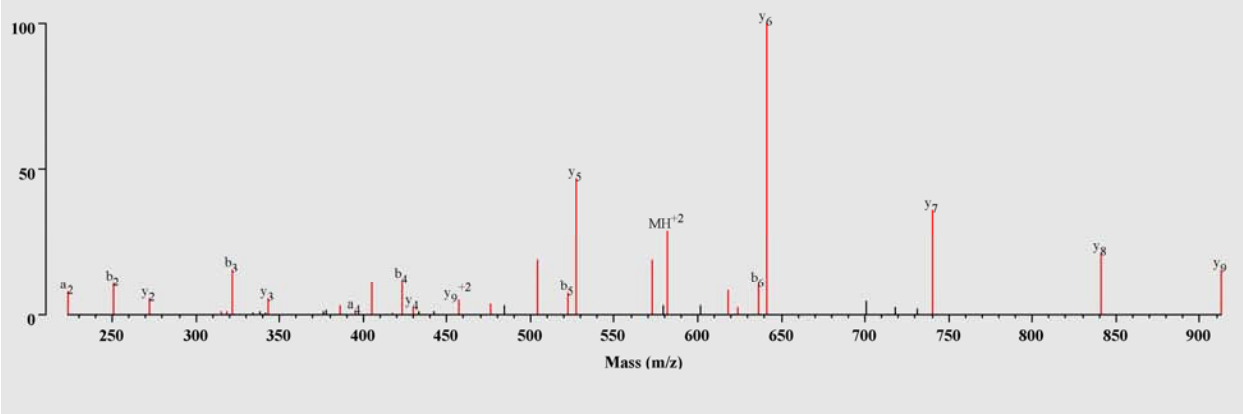
[–] Main Sequence Ions

b				y	y^{+2}
---	1	**S**	16	---	---
251.1026	2	**Y**	15	1886.7749	943.8911
352.1503	3	**T**	14	1723.7116	862.3594
453.1980	4	**T**	13	1622.6639	811.8356
550.2508	5	**P**	12	1521.6162	761.3117
679.2933	6	**E**	11	1424.5635	712.7854
776.3461	7	**P**	10	1295.5209	648.2641
936.3768	8	**C(Carbamidomethyl)**	9	1198.4681	599.7377
1065.4194	9	**E**	8	1038.4374	519.7224
1178.5034	10	**L**	7	909.3949	455.2011
1293.5304	11	**D**	6	796.3108	398.6590
1408.5573	12	**D**	5	681.2838	341.1456

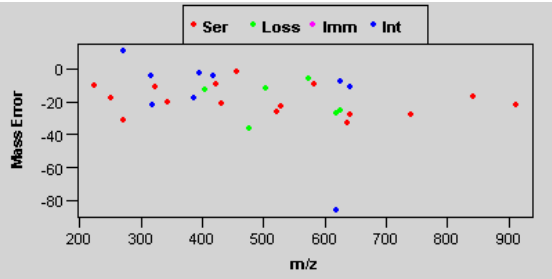
1537.5999	13	**E**	4	566.2569	283.6321
1652.6268	14	**D**	3	437.2143	219.1108
1799.6953	15	**F**	2	322.1874	161.5973
---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATVNPSAPR^{+2}



Max Intensity: **74.6**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **93.8%** Matched Series Intensity: **93.1%**



Sequence SYATVNPSAPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C50 H80 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1163.2831	1162.5851	582.1453	581.7962

[–] Peak Matches

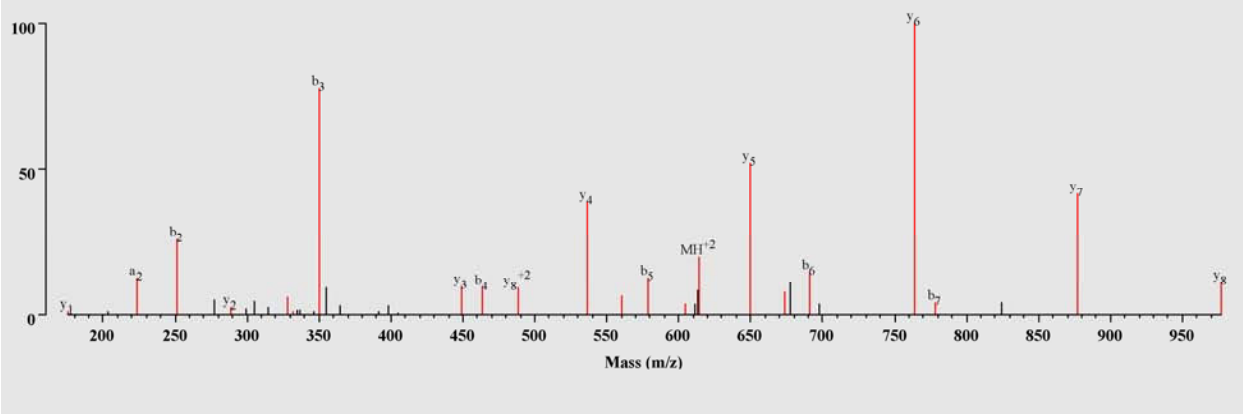
223.1054	251.0982	272.1634	315.1649	318.1377	322.1361	334.1359	338.1254	341.1676	343.2021
a_2(-10)	b_2(-18)	ATV(11) y_2(-31)	TVN(-4.4)	YAT-H_2O(-22)	b_3(-11)				y_3(-20)
376.1769	**378.1603**	**386.1964**	**395.1915**	**405.1717**	**417.2114**	**423.1834**	**430.2319**	**433.1877**	**442.2653**
		ATVN(-18)	a_4(-2.6) TVNP-NH_3(-2.6)	b_4-H_2O(-13)	YATV-H_2O(-4.4)	b_4(-9.5)	y_4(-21)		
456.7476	**476.2331**	**484.7291**	**504.2394**	**522.2424**	**527.2814**	**572.7874**	**579.2503**	**581.7908**	**601.2516**
y_9^{+2}(-2.0)	a_5-H_2O(-36)		b_5-H_2O(-12)	b_5(-26)	y_5(-23)	MH-H_2O^{+2}(-6.1)		MH^{+2}(-9.3)	
618.2712	**624.2943**	**636.2778**	**641.3183**	**700.3514**	**718.3352**	**731.3594**	**740.3845**	**841.4386**	**912.4693**
b_6-H_2O(-27) YATVNP-28(-86)	ATVNPSA-NH_3(-7.2) y_6-NH_3(-25)	b_6(-33)	ATVNPSA(-11) y_6(-28)				y_7(-28)	y_8(-17)	y_9(-22)

[–] Main Sequence Ions

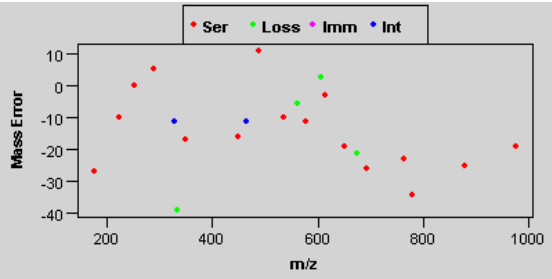
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1075.5531	538.2802
322.1397	3	A 9	912.4898	456.7485
423.1874	4	T 8	841.4526	421.2300
522.2558	5	V 7	740.4050	370.7061
636.2988	6	N 6	641.3365	321.1719
733.3515	7	P 5	527.2936	264.1504
820.3836	8	S 4	430.2409	215.6241
891.4207	9	A 3	343.2088	172.1081
988.4734	10	P 2	272.1717	136.5895
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVLDLSC(Carbamidomethyl)NR^{+2}



Max Intensity: **27.9**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **87.4%** Matched Series Intensity: **86.8%**



Sequence: SYVLDLSC(Carbamidomethyl)NR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H84 N15 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1227.2246	1226.5834	614.1160	613.7953

[–] Peak Matches

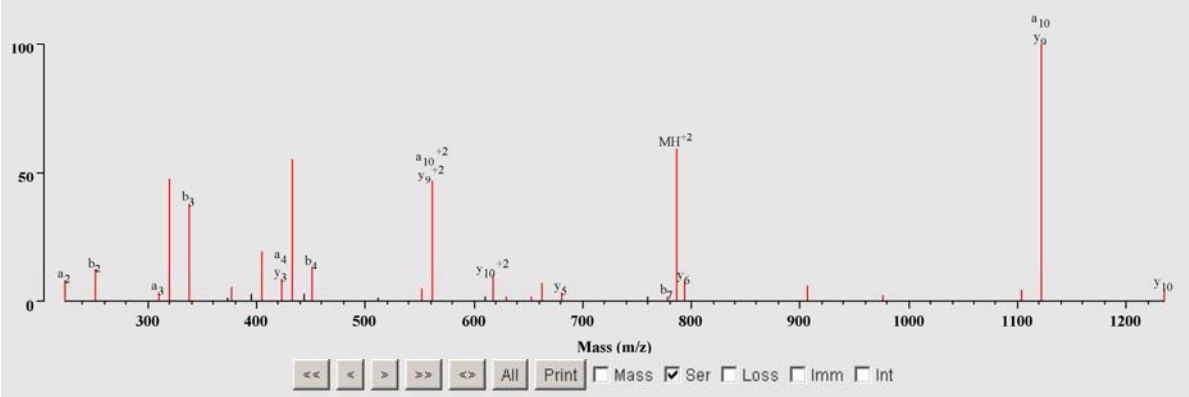
175.1143	**203.0939**	**223.1054**	**251.1027**	**277.1280**	**289.1634**	**299.0911**	**305.1453**	**315.0826**	**328.1832**
y_1(-27)		a_2(-10)	b_2(0.27)		y_2(5.3)				VLD(-11)
332.1474	**335.1453**	**337.1984**	**346.1684**	**350.1651**	**355.0653**	**364.1853**	**391.1919**	**398.1644**	**405.1870**
b_3-H_2O(-39)				b_3(-17)					
449.1854	**463.2498**	**488.7531**	**536.2192**	**560.2683**	**578.2757**	**604.7916**	**611.2870**	**613.3035**	**613.7935**
y_3(-16)	b_4(-11) YVLD-28(-11)	y_8^{+2}(11)	y_4(-10.0)	b_5-H_2O(-5.7)	b_5(-11)	MH-H_2O^{+2}(2.6)			MH^{+2}(-3.0)
649.2961	**673.3413**	**677.3089**	**691.3479**	**697.3063**	**764.3182**	**778.3714**	**824.3728**	**877.3976**	**976.4695**
y_5(-19)	YVLDLS-H_2O(-21) b_6-H_2O(-21)		YVLDLS(-26) b_6(-26)		y_6(-23)	b_7(-34)		y_7(-25)	y_8(-19)

[–] Main Sequence Ions

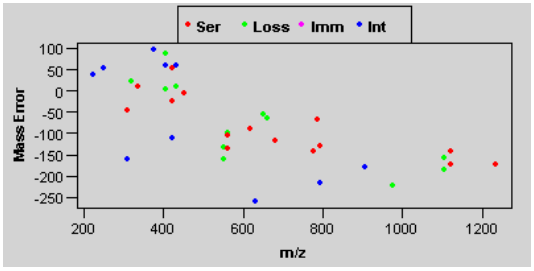
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1139.5514	570.2793
350.1710	3	V	8	976.4880	488.7477
463.2551	4	L	7	877.4196	439.2135
578.2821	5	D	6	764.3356	382.6714
691.3661	6	L	5	649.3086	325.1579
778.3981	7	S	4	536.2246	268.6159
938.4288	8	C(Carbamidomethyl)	3	449.1925	225.0999
1052.4717	9	N	2	289.1619	145.0846
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLVDLNTRM(Oxidation)EK^{+2}



Max Intensity: **2.23**
Num Matched: **25/31 (19.4% unmatched)** Matched Intensity: **97.5%** Matched Series Intensity: **97.2%**



Sequence: SYSLVDLNTRM(Oxidation)EK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H111 N18 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1572.6264	1571.7734	786.8169	786.3903

[–] **Peak Matches**

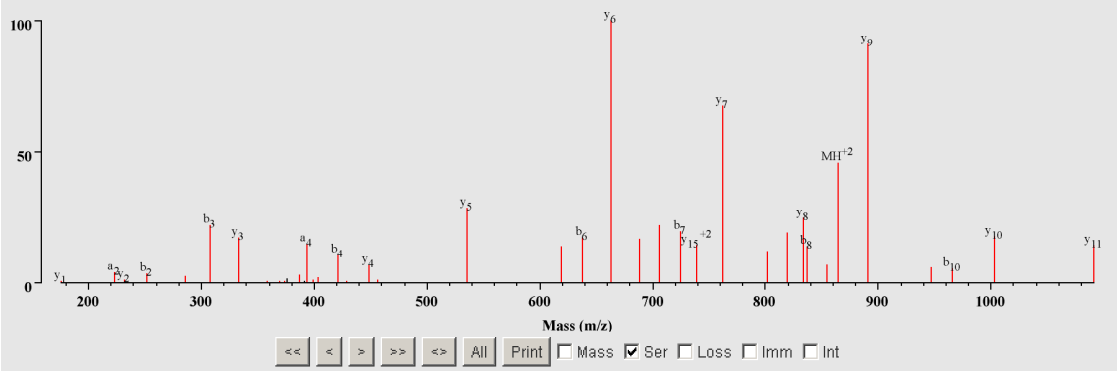
223.1165	251.1160	310.1258	320.1314	338.1384	373.1857	377.2333	395.1756	405.2150	423.2131
a_2(39) YS-28(39)	b_2(53) YS(53)	a_3(-45) LVD-H_2O(-162) VDL-H_2O(-162)	b_3-H_2O(23)	b_3(11)		TRM(Oxidation)-28(97)		y_3-H_2O(86) TRM(Oxidation)(58) RM(Oxidation)E-28(58) a_4-H_2O(4.3)	y_3(53) a_4(-25) LVDL-H_2O(-111)
433.2123	**443.1767**	**451.2158**	**512.2336**	**552.2064**	**561.2252**	**610.3432**	**617.7725**	**630.1025**	**652.3019**
RM(Oxidation)E(60) b_4-H_2O(9.6)		b_4(-6.5)		y_9-H_2O^{+2}(-132) a_{10}-H_2O^{+2}(-162)	y_4-H_2O(-100) y_9^{+2}(-106) a_{10}^{+2}(-135)		y_{10}^{+2}(-88)	NTRM(Oxidation)E-H_2O(-260)	y_{11}-H_2O^{+2}(-54)
662.2859	**680.2607**	**759.8112**	**778.2870**	**786.3364**	**794.2805**	**906.2946**	**976.2445**	**1103.3787**	**1121.4014**
y_5-H_2O(-65)	y_5(-116)		b_9(-143)	MH^{+2}(-69)	y_6(-128) LVDLNTR-H_2O(-216)	YSLVDLNT(-179)	b_9-NH_3(-223)	y_9-H_2O(-156) a_{10}-H_2O(-186)	y_9(-143) a_{10}(-173)
1234.4322									
y_{10}(-173)									

[–] **Main Sequence Ions**

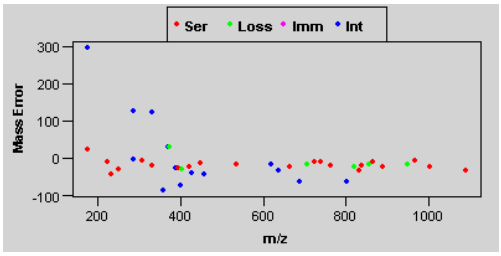
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1484.7414	742.8743
338.1347	---	3	**S**	11	1321.6780	661.3427
451.2187	---	4	**L**	10	1234.6460	617.8266
550.2871	---	5	**V**	9	1121.5619	561.2846
665.3141	---	6	**D**	8	1022.4935	511.7504
778.3981	---	7	**L**	7	907.4666	454.2369
892.4411	---	8	**N**	6	794.3825	397.6949
993.4888	---	9	**T**	5	680.3396	340.6734
1149.5899	575.2986	10	**R**	4	579.2919	290.1496
1296.6253	648.8163	11	**M(Oxidation)**	3	423.1908	212.0990
1425.6679	713.3376	12	**E**	2	276.1554	138.5813
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLDTSLGAVQSDTGR^{+2}



Max Intensity: **29.4**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **99.6%** Matched Series Intensity: **99.6%**



Sequence: SYGLDTSLGAVQSDTGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C71 H116 N21 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1727.8363	1726.8242	864.4219	863.9158

[–] Peak Matches

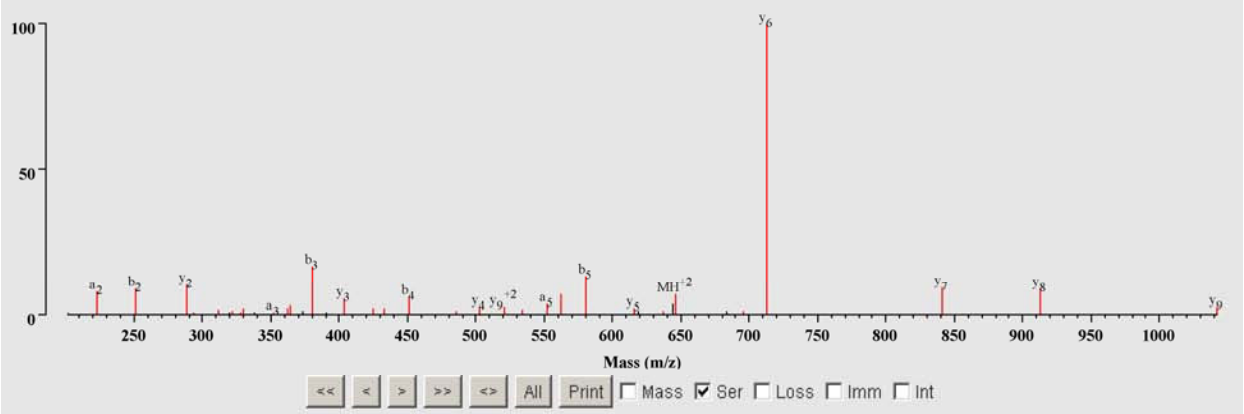
175.1231	223.1054	232.1300	251.0952	286.1390	308.1221	333.1815	358.1773	369.1878	373.1887
SD-28(296) y_1(24)	a_2(-10)	y_2(-45)	b_2(-30)	DTS-H_2O(125) SDT-H_2O(125) GLD(-2.6)	b_3(-6.5)	SDTG-28(123) y_3(-20)	AVQS-28(-87)	GLDT-H_2O(30) AVQS-NH_3(30)	y_7-NH_3^{+2}(30)
376.1806	**387.1773**	**391.1770**	**393.2032**	**399.1584**	**403.1851**	**421.1977**	**428.2336**	**448.2090**	**456.1895**
	GLDT(-26)		a_4(-26)	LDTS-H_2O(-73) DTSL-H_2O(-73)	b_4-H_2O(-31)	YGLD-28(-25) b_4(-25)	SLGAV(-39)	y_4(-13)	GLDTS-H_2O(-43) DTSLG-H_2O(-43)
535.2377	**619.2624**	**637.2618**	**663.2893**	**688.2827**	**706.2930**	**724.3065**	**738.8606**	**762.3578**	**801.3598**
y_5(-17)	b_6-H_2O(-16) YGLDTS-H_2O(-16)	b_6(-33) YGLDTS(-33)	y_6(-25)	GAVQSDTG-28(-63)	b_7-H_2O(-16)	b_7(-11)	y_{15}^{+2}(-10)	y_7(-21)	LGAVQSDTG-28(-63)
819.3691	**833.3845**	**837.3814**	**854.8947**	**863.9071**	**890.4112**	**947.4308**	**965.4507**	**1003.4923**	**1090.5119**
b_8-H_2O(-23)	y_8(-32)	b_8(-21)	MH-H_2O^{+2}(-18)	MH^{+2}(-10)	y_9(-24)	b_{10}-H_2O(-17)	b_{10}(-7.0)	y_{10}(-24)	y_{11}(-34)

[–] Main Sequence Ions

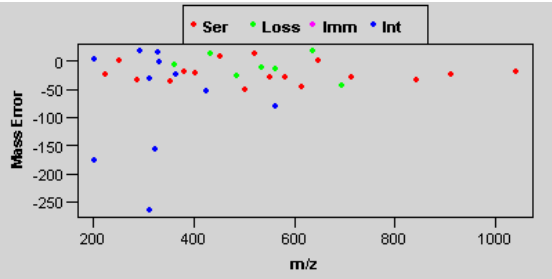
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1639.7922	820.3997
308.1241	3	G	1476.7289	738.8681
421.2082	4	L	1419.7074	710.3573
536.2351	5	D	1306.6233	653.8153
637.2828	6	T	1191.5964	596.3018
724.3148	7	S	1090.5487	545.7780
837.3989	8	L	1003.5167	502.2620
894.4203	9	G	890.4326	445.7200
965.4575	10	A	833.4112	417.2092
1064.5259	11	V	762.3741	381.6907
1192.5844	12	Q	663.3056	332.1565
1279.6165	13	S	535.2471	268.1272
1394.6434	14	D	448.2150	224.6112
1495.6911	15	T	333.1881	167.0977
1552.7126	16	G	232.1404	116.5738
---	17	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEAEPLVDIR^{+2}



Max Intensity: **25.3**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **95.8%** Matched Series Intensity: **95.6%**



Sequence: SYEAEPLVDIR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H91 N14 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1292.4400	1291.6529	646.7237	646.3301

[–] **Peak Matches**

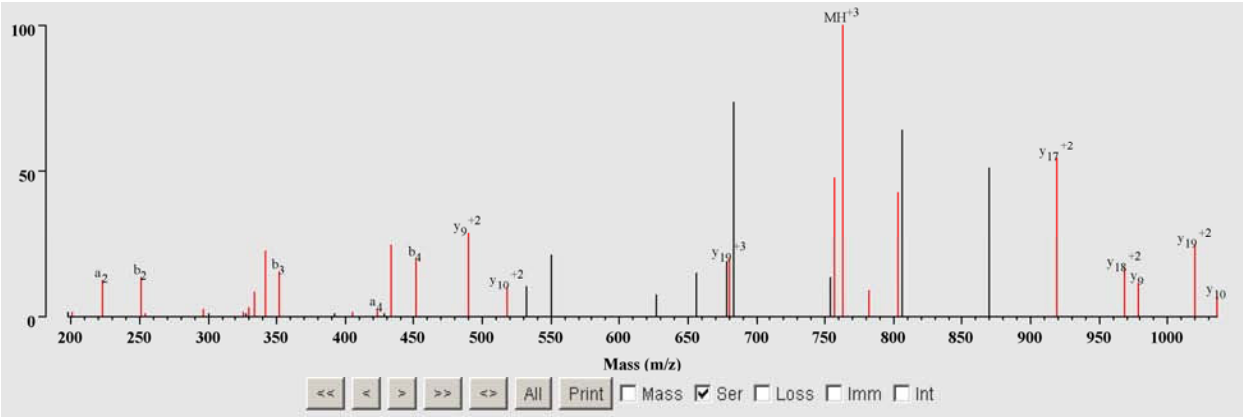
201.0877	223.1026	251.1027	288.1936	293.1186	312.1091	320.1092	322.1259	328.1917	330.1288
EA(3.6) AE(3.6) DI-28(-177)	a_2(-23)	b_2(0.27)	y_2(-33)	YE(18)	EAE-H_2O(-32) EPL-28(-265)		EPL-H_2O(-156)	VDI(15) LVD(15)	EAE(-2.4)
338.1202	**352.1375**	**362.1326**	**364.1420**	**373.1887**	**380.1379**	**390.2359**	**403.2212**	**425.2167**	**433.1779**
	a_3(-36)	b_3-H_2O(-5.7)	YEA(-23)		b_3(-19)		y_3(-22)	PLVD(-54)	b_4-H_2O(14)
451.1856	**485.2586**	**502.2731**	**521.2889**	**534.2134**	**552.2141**	**562.2057**	**580.2075**	**615.3539**	**619.2766**
b_4(7.2)	y_4-NH_3(-27)	y_4(-50)	y_9^{+2}(12)	a_5-H_2O(-11)	a_5(-29)	b_5-H_2O(-15) YEAEP-28(-80)	b_5(-30)	y_5(-46)	
637.3359	**643.8304**	**644.3132**	**646.3305**	**683.3154**	**695.3780**	**712.4138**	**841.4483**	**912.4921**	**1041.5388**
MH-H_2O^{+2}(17)			MH^{+2}(0.67)		y_6-NH_3(-44)	y_6(-30)	y_7(-35)	y_8(-25)	y_9(-18)

[–] **Main Sequence Ions**

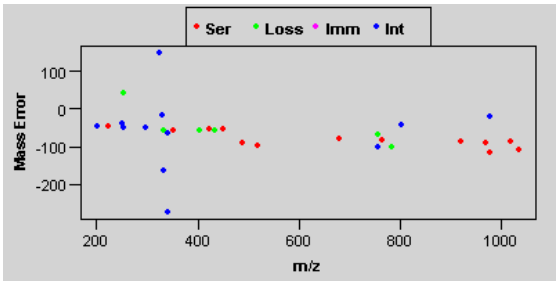
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1204.6208	602.8141
380.1452	3	E 9	1041.5575	521.2824
451.1823	4	A 8	912.5149	456.7611
580.2249	5	E 7	841.4778	421.2425
677.2777	6	P 6	712.4352	356.7212
790.3618	7	L 5	615.3824	308.1949
889.4302	8	V 4	502.2984	251.6528
1004.4571	9	D 3	403.2300	202.1186
1117.5412	10	I 2	288.2030	144.6051
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTVQQVYNAVGALAKAVYDK^{+3}



Max Intensity: **761**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **64.1%** Matched Series Intensity: **55.8%**



Sequence: SYTVQQVYNAVGALAKAVYDK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C104 H163 N26 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2289.6094	2288.1921	1145.3084	1144.5997	763.8748	763.4022

[–] Peak Matches

197.1195	201.1138	223.0971	251.0929	254.1373	296.1819	300.1775	325.1995	327.1822	329.1761
	TV(-48)	a_2(-48)	b_2(-39) YD-28(-39)	y_4-NH_3^{+2}(44) AKA-NH_3(-50)	LAK-NH_3(-51)		NAVG-NH_3(150)		TVQ(-18)
334.1208	**342.1554**	**352.1300**	**392.1842**	**405.1903**	**423.2018**	**428.2279**	**433.1833**	**451.1946**	**489.7409**
b_3-H_2O(-57) AVY(-166)	NAVG(-64) AKAV-28(-276)	b_3(-58)		a_4-H_2O(-57)	a_4(-52)		b_4-H_2O(-57)	b_4(-53)	y_9^{+2}(-89)
518.2440	**532.2464**	**550.2538**	**627.2734**	**655.7845**	**678.3099**	**679.9820**	**683.2880**	**753.8350**	**757.3470**
y_{10}^{+2}(-99)						y_{19}^{+3}(-81)			MH-H_2O^{+3}(-68) GALAKAVY-NH_3(-102)
763.3386	**782.3495**	**803.3690**	**805.8602**	**869.8849**	**919.4146**	**968.9393**	**978.4483**	**1019.4640**	**1035.4719**
MH^{+3}(-83)	y_{15}-H_2O^{+2}(-103)	QVYNAVGA(-44) QQVYNAV(-44) VQQVYNA(-44)			y_{17}^{+2}(-86)	y_{18}^{+2}(-92)	YTVQQVYN-H_2O(-20) y_9(-116)	y_{19}^{+2}(-86)	y_{10}(-108)

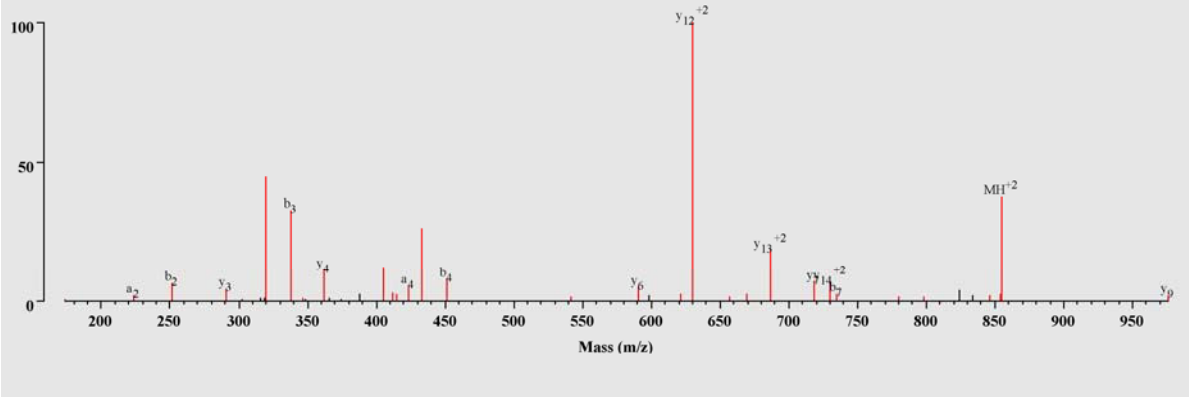
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	21	---	---
251.1026	---	2	Y	20	2201.1601	1101.0837
352.1503	---	3	T	19	2038.0968	1019.5520
451.2187	---	4	V	18	1937.0491	969.0282
579.2773	---	5	Q	17	1837.9807	919.4940
707.3359	---	6	Q	16	1709.9221	855.4647
806.4043	---	7	V	15	1581.8635	791.4354
969.4676	---	8	Y	14	1482.7951	741.9012
1083.5106	---	9	N	13	1319.7318	660.3695
1154.5477	---	10	A	12	1205.6888	603.3481
1253.6161	---	11	V	11	1134.6517	567.8295
1310.6375	---	12	G	10	1035.5833	518.2953
1381.6747	---	13	A	9	978.5619	489.7846
1494.7587	---	14	L	8	907.5247	454.2660
1565.7958	---	15	A	7	794.4407	397.7240
1693.8908	847.4490	16	K	6	723.4036	362.2054
1764.9279	882.9676	17	A	5	595.3086	298.1579

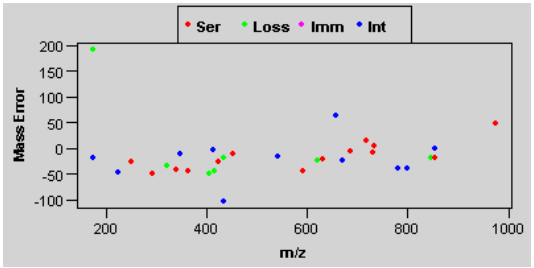
1863.9963	932.5018	18	**V**	4	524.2715	262.6394
2027.0597	1014.0335	19	**Y**	3	425.2031	213.1052
2142.0866	1071.5469	20	**D**	2	262.1397	131.5735
---	---	21	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLPGEQEQEVAGSK^{+2}



Max Intensity: **7.07**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **95.5%** Matched Series Intensity: **94.9%**



Sequence: SYSLPGEQEQEVAGSK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H114 N19 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1709.8180	1708.8024	855.4127	854.9049

[–] Peak Matches

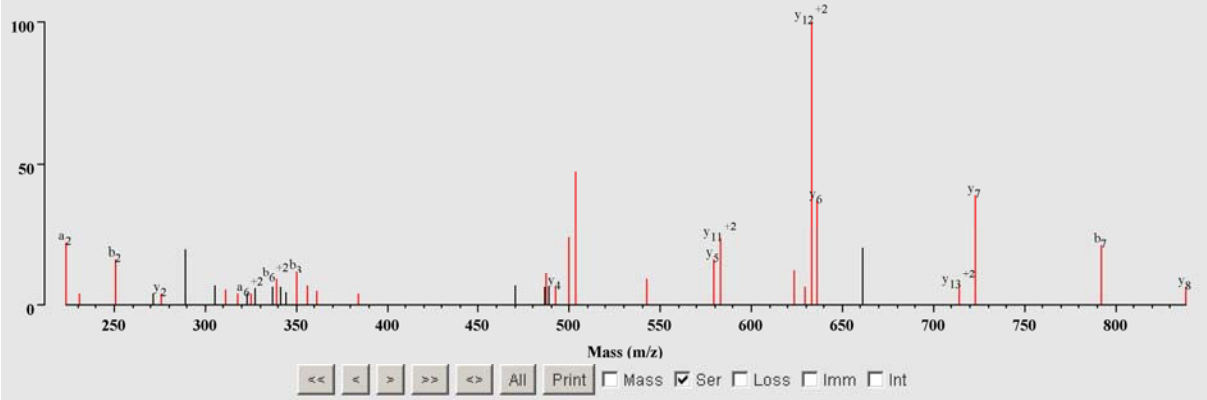
173.1253	223.0975	251.0958	291.1518	302.0914	316.1205	319.1570	320.1131	338.1206	346.1723
y_4-NH_3^{+2}(192) SL-28(-18)	a_2(-46) YS-28(-46)	YS(-27) b_2(-27)	y_3(-50)				b_3-H_2O(-34)	b_3(-42)	YSL-H_2O(-11)
348.1440	**362.1871**	**366.1192**	**374.1661**	**388.1747**	**405.1930**	**412.1810**	**415.1880**	**423.2129**	**433.1998**
	y_4(-45)				a_4-H_2O(-50)	PGEQ(-4.1)	y_8-H_2O^{+2}(-44)	a_4(-26)	b_4-H_2O(-19) YSLP-28(-103)
451.2140	**541.2172**	**590.2893**	**598.2405**	**621.2707**	**629.7858**	**657.3619**	**669.2677**	**686.3370**	**718.3830**
b_4(-10)	PGEQE(-15)	y_6(-43)		y_{12}-NH_3^{+2}(-24)	y_{12}^{+2}(-21)	QEQEVA-28(63)	PGEQEQ(-24)	y_{13}^{+2}(-6.1)	y_7(14)
729.8521	**734.3390**	**780.2866**	**798.2942**	**824.3532**	**833.3593**	**845.8848**	**854.3517**	**854.8885**	**975.5222**
y_{14}^{+2}(-7.0)	b_7(4.7)	PGEQEQE-H_2O(-38)	PGEQEQE(-40)			MH-H_2O^{+2}(-17)	EQEQEVAG-NH_3(-1.1) GEQEQEVA-NH_3(-1.1)	MH^{+2}(-19)	y_9(49)

[–] Main Sequence Ions

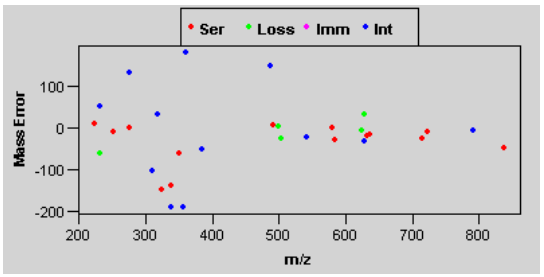
b			y	y^{+2}
---	1	S	16 ---	---
251.1026	2	Y	15 1621.7704	811.3888
338.1347	3	S	14 1458.7071	729.8572
451.2187	4	L	13 1371.6750	686.3412
548.2715	5	P	12 1258.5910	629.7991
605.2930	6	G	11 1161.5382	581.2727
734.3355	7	E	10 1104.5168	552.7620
862.3941	8	Q	9 975.4742	488.2407
991.4367	9	E	8 847.4156	424.2114
1119.4953	10	Q	7 718.3730	359.6901
1248.5379	11	E	6 590.3144	295.6608
1347.6063	12	V	5 461.2718	231.1396
1418.6434	13	A	4 362.2034	181.6053
1475.6649	14	G	3 291.1663	146.0868
1562.6969	15	S	2 234.1448	117.5761
---	16	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVKQADSGSSEEK^{+3}



Max Intensity: **3.17**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **81.8%** Matched Series Intensity: **81.0%**



Sequence SYVKQADSGSSEEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H100 N17 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1515.5830	1514.6969	758.2952	757.8521	505.8660	505.5705

[–] **Peak Matches**

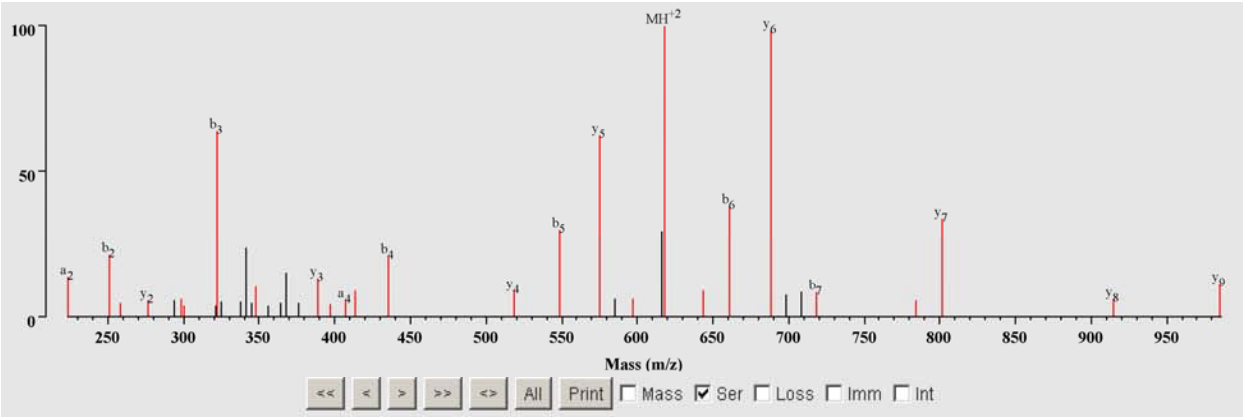
223.1102	231.1092	251.1003	271.1640	276.1557	289.1639	305.1623	311.1388	318.1398	323.1822
a_2(11)	EE-28(50) b_4-NH_3^{+2}(-61)	b_2(-9.3)		SSE-28(133) y_2(1.1)			KQA-NH_3(-105)	SEE-28(32)	
325.1386	**327.1316**	**337.1606**	**339.1378**	**341.0719**	**344.1501**	**350.1496**	**356.1617**	**361.2006**	**384.1311**
a_6^{+2}(-149)			b_6^{+2}(-138) VKQ-NH_3(-191)			b_3(-61)	VKQ(-190)	GSSE(181)	QADS-H_2O(-53)
470.1101	**486.2601**	**487.2499**	**488.4750**	**492.2330**	**499.5681**	**503.2230**	**542.2812**	**579.2616**	**583.2528**
		ADSGSS-H_2O(147)		y_4(6.1)	MH-H_2O^{+3}(2.3)	b_{10}-H_2O^{+2}(-25)	VKQAD(-22)	y_5(-0.77)	y_{11}^{+2}(-30)
623.2233	**623.7953**	**629.3037**	**632.7918**	**636.2728**	**661.2334**	**714.3170**	**723.3079**	**792.3830**	**838.3013**
	y_{12}-H_2O^{+2}(-6.1)	b_{12}+H_2O^{+2}(32) VKQADS(-34)	y_{12}^{+2}(-20)	y_6(-17)		y_{13}^{+2}(-27)	y_7(-11)	b_7(-7.2) YVKQADS(-7.2)	y_8(-49)

[–] **Main Sequence Ions**

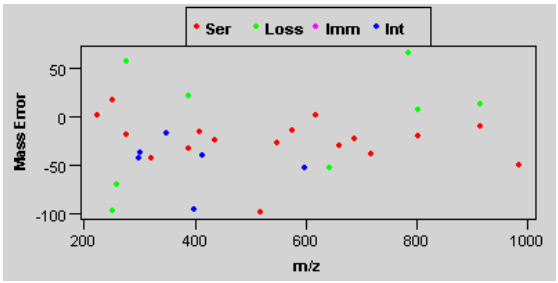
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1427.6649	714.3361
350.1710	---	3	**V**	12	1264.6016	632.8044
478.2660	239.6366	4	**K**	11	1165.5331	583.2702
606.3246	303.6659	5	**Q**	10	1037.4382	519.2227
677.3617	339.1845	6	**A**	9	909.3796	455.1934
792.3886	396.6980	7	**D**	8	838.3425	419.6749
879.4207	440.2140	8	**S**	7	723.3155	362.1614
936.4421	468.7247	9	**G**	6	636.2835	318.6454
1023.4742	512.2407	10	**S**	5	579.2620	290.1347
1110.5062	555.7567	11	**S**	4	492.2300	246.6186
1239.5488	620.2780	12	**E**	3	405.1980	203.1026
1368.5914	684.7993	13	**E**	2	276.1554	138.5813
---	---	14	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALILGELEK^{+2}



Max Intensity: **2.88**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **82.6%** Matched Series Intensity: **79.8%**



Sequence: SYALILGELEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H95 N12 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1236.4597	1235.6882	618.7335	618.3477

[–] Peak Matches

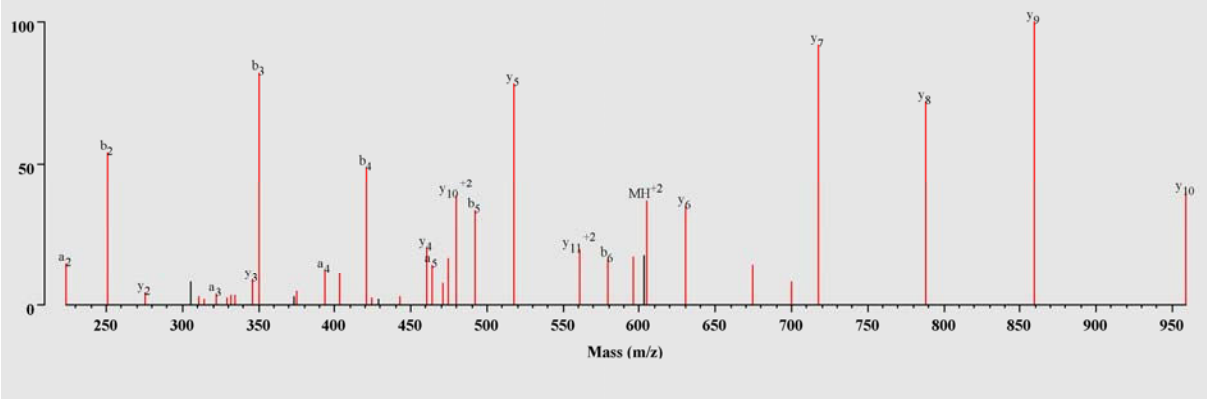
223.1082	251.1072	258.1271	276.1504	294.2345	298.1996	300.1445	321.1516	322.1259	325.2832
a_2(2.2)	b_2(18) y_4-NH_3^{+2}(-96)	y_2-H_2O(-69)	a_3-H_2O(58) y_2(-18)		ALI(-43)	LGE(-36) GEL(-36)		b_3(-43)	
338.1289	**341.1501**	**345.1759**	**348.1860**	**356.1613**	**364.1835**	**368.2027**	**376.1732**	**389.2269**	**397.2432**
			YAL(-17)					a_4-H_2O(22) y_3(-32)	LILG(-95)
407.2225	**413.2228**	**435.2133**	**518.2312**	**548.2931**	**575.2956**	**585.2776**	**597.3288**	**616.3264**	**618.3489**
a_4(-16)	ILGE(-40) LGEL(-40)	b_4(-24)	y_4(-98)	b_5(-27)	y_5(-14)		ALILGE(-53)		MH^{+2}(1.9)
643.3477	**661.3724**	**688.3721**	**698.3639**	**708.2841**	**718.3859**	**784.4967**	**801.4562**	**914.5462**	**985.5441**
b_6-H_2O(-52)	b_6(-30)	y_6(-22)			b_7(-38)	y_7-NH_3(66)	a_8-H_2O(7.1) y_7(-19)	a_9-H_2O(13) y_8(-10)	y_9(-49)

[–] Main Sequence Ions

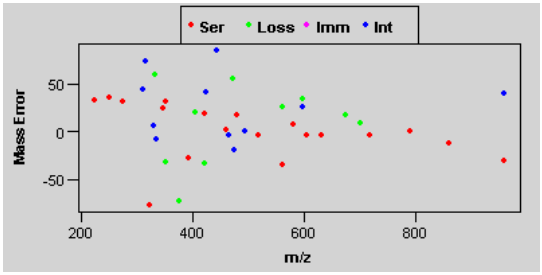
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1148.6562	574.8317
322.1397	3	A	985.5928	493.3001
435.2238	4	L	914.5557	457.7815
548.3079	5	I	801.4716	401.2395
661.3919	6	L	688.3876	344.6974
718.4134	7	G	575.3035	288.1554
847.4560	8	E	518.2821	259.6447
960.5401	9	L	389.2395	195.1234
1089.5827	10	E	276.1554	138.5813
---	11	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVAASIGNAQK^{+2}



Max Intensity: **8.12**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **96.8%** Matched Series Intensity: **96.6%**



Sequence SYVAASIGNAQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C52 H86 N15 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1209.3525	1208.6270	605.1800	604.8171

[–] **Peak Matches**

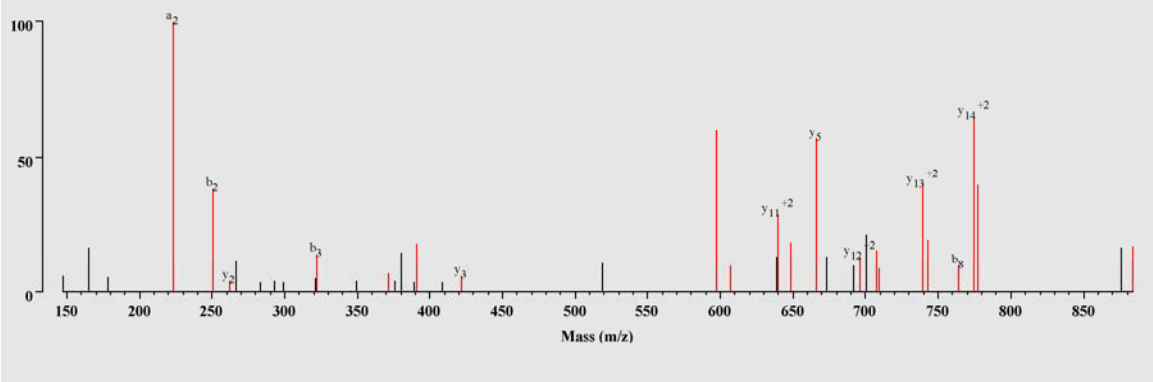
223.1151	251.1115	275.1799	305.1577	311.1850	314.1687	322.1513	329.1841	332.1802	334.1737
a_2(33)	b_2(35)	y_2(31)		VAAS-H_2O(44) ASIG-H_2O(44)	NAQ(73)	a_3(-77)	y_3-NH_3(6.5) VAAS(6.5) ASIG(6.5)	b_3-H_2O(59)	YVA(-7.3)
346.2173	**350.1818**	**373.1419**	**375.1756**	**393.2027**	**403.2058**	**421.2160**	**424.2729**	**429.1778**	**443.2624**
y_3(25)	b_3(31) y_7-H_2O^{+2}(-32)		a_4-H_2O(-72)	a_4(-27)	b_4-H_2O(20)	b_4(19) y_9-H_2O^{+2}(-33)	VAASI-H_2O(41)		y_4-NH_3(85) SIGNA(85) ASIGN(85)
460.2525	**464.2487**	**470.7905**	**474.2259**	**479.7776**	**492.2453**	**517.2707**	**561.2813**	**579.2815**	**595.8319**
y_4(2.3)	a_5(-3.6) YVAAS-28(-3.6)	y_{10}-H_2O^{+2}(56)	b_5-H_2O(-19) YVAAS-H_2O(-19)	y_{10}^{+2}(17)	b_5(0.051) YVAAS(0.051)	y_5(-4.2)	b_6-H_2O(26) y_{11}^{+2}(-35)	b_6(7.2)	MH-H_2O^{+2}(34)
596.3195	**603.3214**	**604.8147**	**630.3544**	**674.3620**	**700.3683**	**717.3859**	**788.4263**	**859.4530**	**958.5016**
MH-NH_3^{+2}(26) VAASIGN-NH_3(26)		MH^{+2}(-4.0)	y_6(-4.0)	b_7-H_2O(17)	y_7-NH_3(8.4)	y_7(-4.3)	y_8(0.26)	y_9(-12)	YVAASIGNAQ-NH_3(40) y_{10}(-31)

[–] **Main Sequence Ions**

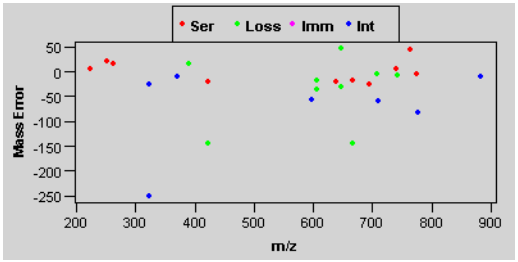
b			y	y^{+2}
---	1	S 12	---	---
251.1026	2	Y 11	1121.5949	561.3011
350.1710	3	V 10	958.5316	479.7694
421.2082	4	A 9	859.4632	430.2352
492.2453	5	A 8	788.4261	394.7167
579.2773	6	S 7	717.3890	359.1981
692.3614	7	I 6	630.3570	315.6821
749.3828	8	G 5	517.2729	259.1401
863.4258	9	N 4	460.2514	230.6293
934.4629	10	A 3	346.2085	173.6079
1062.5214	11	Q 2	275.1714	138.0893
---	12	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASIGNAQKLPM(Oxidation)C(Carbamidomethyl)DK^{+3}



Max Intensity: **5.29**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **77.5%** Matched Series Intensity: **79.9%**



Sequence: SYASIGNAQKLPM(Oxidation)C(Carbamidomethyl)DK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C75 H124 N21 O26 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1799.7481	1798.8462	900.3778	899.9268	600.5877	600.2869

[–] **Peak Matches**

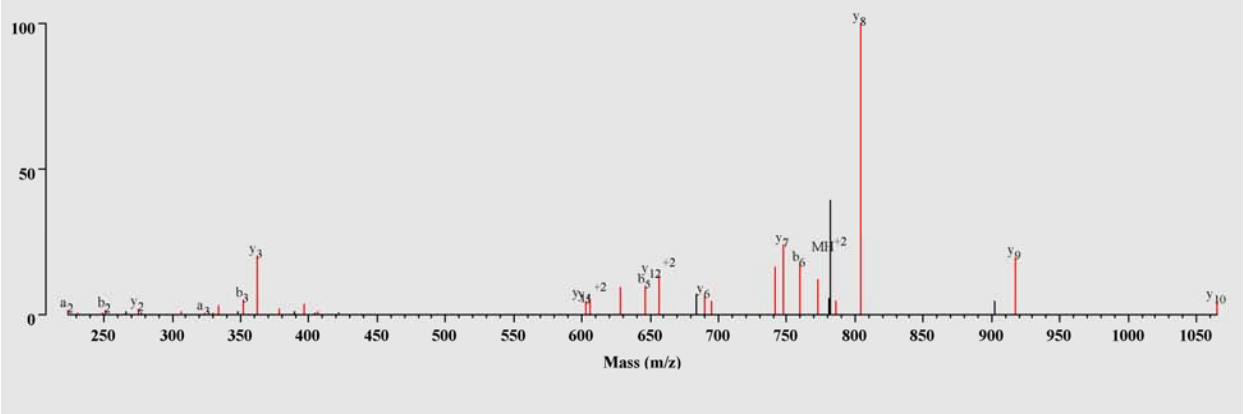
147.0596	**165.0714**	**178.0847**	**223.1088**	**251.1078**	**262.1441**	**266.2101**	**283.2281**	**293.1126**	**299.1325**
			a_2(4.8)	b_2(21)	y_2(17)				
321.1164	**322.1315**	**349.1372**	**371.1640**	**376.0635**	**380.1401**	**389.1899**	**391.1679**	**408.2013**	**422.1621**
	b_3(-26) YAS(-26) KLP-NH_3(-251)		GNAQ(-9.0)				b_4-H_2O(17)		y_3(-20) y_7-$SOCH_4^{+2}$(-145)
519.2402	**597.2732**	**607.2917**	**638.3540**	**639.2894**	**648.2785**	**666.2464**	**673.3533**	**691.8454**	**695.8271**
	QKLPM(Oxidation)-NH_3(-56)	y_{11}-$SOCH_4^{+2}$(-19) b_{12}-NH_3^{+2}(-37)		y_{11}^{+2}(-20)	y_5-H_2O(47) a_7-NH_3(-31)	y_5(-18) a_{13}-H_2O^{+2}(-144)			y_{12}^{+2}(-25)
700.8421	**707.3571**	**709.3573**	**739.3646**	**742.8741**	**764.3909**	**774.8759**	**777.3255**	**876.4008**	**883.4903**
	y_{13}-$SOCH_4^{+2}$(-6.0)	GNAQKLP(-59)	y_{13}^{+2}(5.5)	y_{14}-$SOCH_4^{+2}$(-7.9)	b_8(44)	y_{14}^{+2}(-4.1)	YASIGNAQ-28(-82)		ASIGNAQKL(-11)

[–] **Main Sequence Ions**

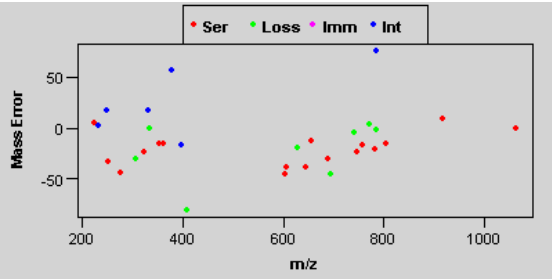
b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1711.8142	856.4107
322.1397	---	3	A	14	1548.7509	774.8791
409.1718	---	4	S	13	1477.7138	739.3605
522.2558	---	5	I	12	1390.6817	695.8445
579.2773	---	6	G	11	1277.5977	639.3025
693.3202	---	7	N	10	1220.5762	610.7917
764.3573	---	8	A	9	1106.5333	553.7703
892.4159	---	9	Q	8	1035.4962	518.2517
1020.5109	510.7591	10	K	7	907.4376	454.2224
1133.5949	567.3011	11	L	6	779.3426	390.1749
1230.6477	615.8275	12	P	5	666.2586	333.6329
1377.6831	689.3452	13	M(Oxidation)	4	569.2058	285.1065
1537.7138	769.3605	14	C(Carbamidomethyl)	3	422.1704	211.5888
1652.7407	826.8740	15	D	2	262.1397	131.5735
---	---	16	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTM(Oxidation)FIGGSQLSQK^{+2}



Max Intensity: **8.18**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **83.6%** Matched Series Intensity: **82.0%**



Sequence: SYTM(Oxidation)FIGGSQLSQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C68 H108 N17 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1563.6186	1562.7519	782.3130	781.8796

[–] Peak Matches

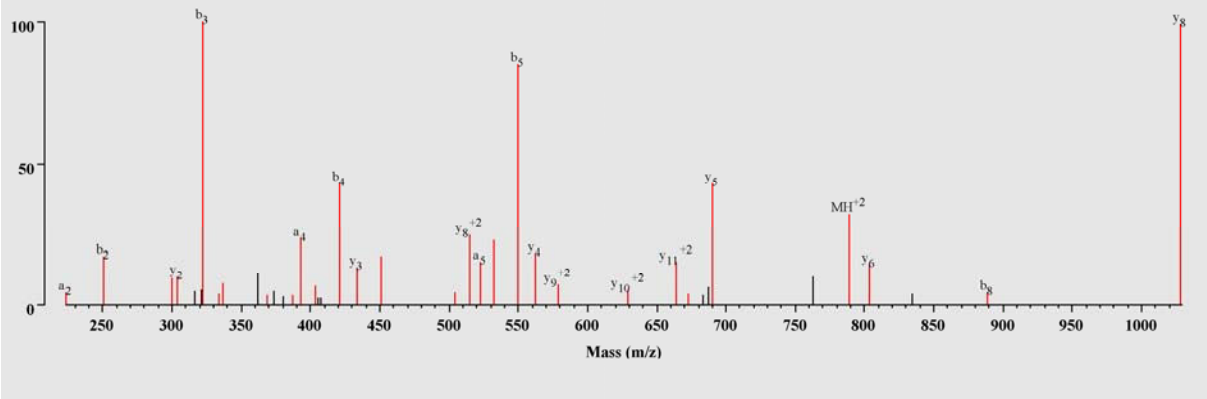
223.1088	**231.0804**	**249.0945**	**251.0943**	**266.1283**	**275.1593**	**277.1207**	**306.1353**	**324.1477**	**330.1464**
a_2(4.8)	TM(Oxidation)-H_2O(2.6)	TM(Oxidation)(17)	b_2(-33)		y_2(-44)		a_3-H_2O(-31)	a_3(-24)	GGSQ(17)
334.1398	**348.1581**	**352.1450**	**362.1979**	**378.1699**	**389.1787**	**396.1520**	**404.2086**	**407.1597**	**422.1232**
b_3-H_2O(0.16)		b_3(-15)	y_3(-15)	TM(Oxidation)F-H_2O(57)		TM(Oxidation)F(-17)		a_4-$SOCH_4$(-81)	
603.3189	**606.2844**	**628.2309**	**646.2293**	**656.8232**	**683.3077**	**690.3574**	**695.3078**	**741.3244**	**747.3826**
y_5(-45)	y_{11}^{+2}(-39)	b_5-H_2O(-20)	b_5(-38)	y_{12}^{+2}(-13)		y_6(-30)	b_6-$SOCH_4$(-46)	b_6-H_2O(-4.3)	y_7(-23)
759.3252	**772.8774**	**780.4214**	**781.8632**	**782.3820**	**786.4087**	**804.4086**	**902.4547**	**917.5137**	**1064.5735**
b_6(-17)	MH-H_2O^{+2}(4.0)		MH^{+2}(-21)		YTM(Oxidation)FIGG(76) y_8-H_2O(-2.2)	y_8(-15)		y_9(9.4)	y_{10}(0.014)

[–] Main Sequence Ions

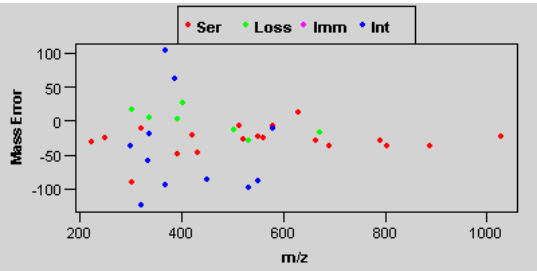
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1475.7199	738.3636
352.1503	3	T	12	1312.6566	656.8319
499.1857	4	M(Oxidation)	11	1211.6089	606.3081
646.2541	5	F	10	1064.5735	532.7904
759.3382	6	I	9	917.5051	459.2562
816.3597	7	G	8	804.4210	402.7141
873.3811	8	G	7	747.3995	374.2034
960.4131	9	S	6	690.3781	345.6927
1088.4717	10	Q	5	603.3461	302.1767
1201.5558	11	L	4	475.2875	238.1474
1288.5878	12	S	3	362.2034	181.6053
1416.6464	13	Q	2	275.1714	138.0893
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVEPQLQEEER^{+2}



Max Intensity: **8.66**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **91.8%** Matched Series Intensity: **91.5%**



Sequence SYAVEPQLQEEER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C67 H105 N18 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1578.6858	1577.7442	789.8466	789.3757

[–] **Peak Matches**

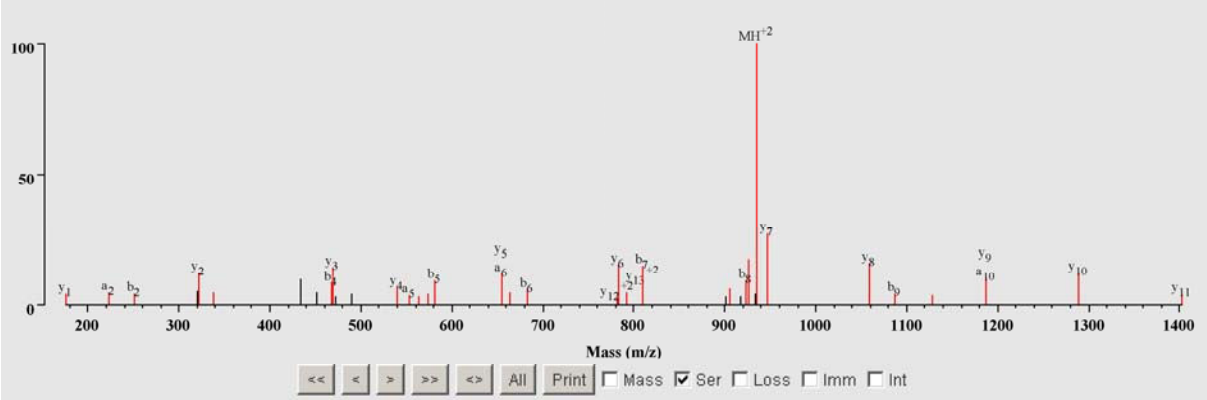
223.1011	251.0967	300.1445	304.1342	316.1335	321.1278	322.1361	334.1567	337.1445	362.1254
a_2(-30)	b_2(-24)	AVE(-36)	b_3-H_2O(16) y_2(-90)			b_3(-11) PQL-NH_3(-124)	YAV(-58)	y_5-NH_3^{+2}(4.4) EPQ-H_2O(-18)	
369.1787	**373.2051**	**380.1545**	**387.1755**	**393.1939**	**403.2079**	**405.1736**	**407.1556**	**421.1997**	**433.1838**
QEE-H_2O(104) AVEP-28(-94)			QEE(63)	y_6-H_2O^{+2}(2.2) a_4(-49)	b_4-H_2O(26)			b_4(-20)	y_3(-47)
451.1796	**504.2394**	**514.7507**	**522.2424**	**532.2245**	**550.2385**	**562.2326**	**579.2708**	**628.8172**	**664.3088**
EPQL-NH_3(-87)	a_5-H_2O(-12)	y_8^{+2}(-6.4)	a_5(-26)	b_5-H_2O(-29) YAVEP-28(-98)	b_5(-22) VEPQL-NH_3(-88)	y_4(-25)	y_9^{+2}(-7.8) PQLQE-NH_3(-11) EPQLQ-NH_3(-11)	y_{10}^{+2}(12)	y_{11}^{+2}(-29)
672.2832	**683.2956**	**687.3369**	**690.2807**	**762.3046**	**789.3530**	**803.3599**	**834.8716**	**888.4129**	**1028.4784**
y_5-H_2O(-17)			y_5(-36)		MH^{+2}(-29)	y_6(-37)		b_8(-37)	y_8(-22)

[–] **Main Sequence Ions**

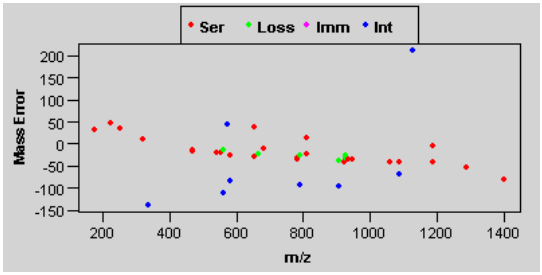
b			y	y^{+2}
---	1	**S**	13	---	---
251.1026	2	**Y**	12	1490.7122	745.8597
322.1397	3	**A**	11	1327.6488	664.3281
421.2082	4	**V**	10	1256.6117	628.8095
550.2508	5	**E**	9	1157.5433	579.2753
647.3035	6	**P**	8	1028.5007	514.7540
775.3621	7	**Q**	7	931.4480	466.2276
888.4462	8	**L**	6	803.3894	402.1983
1016.5047	9	**Q**	5	690.3053	345.6563
1145.5473	10	**E**	4	562.2467	281.6270
1274.5899	11	**E**	3	433.2041	217.1057
1403.6325	12	**E**	2	304.1615	152.5844
---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGC(Carbamidomethyl)LTQLYENAFFR^{+2}



Max Intensity: **99.2**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **90.5%** Matched Series Intensity: **86.3%**



Sequence: SYGC(Carbamidomethyl)LTQLYENAFFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C85 H122 N21 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1869.9413	1868.8636	935.4743	934.9354

[–] Peak Matches

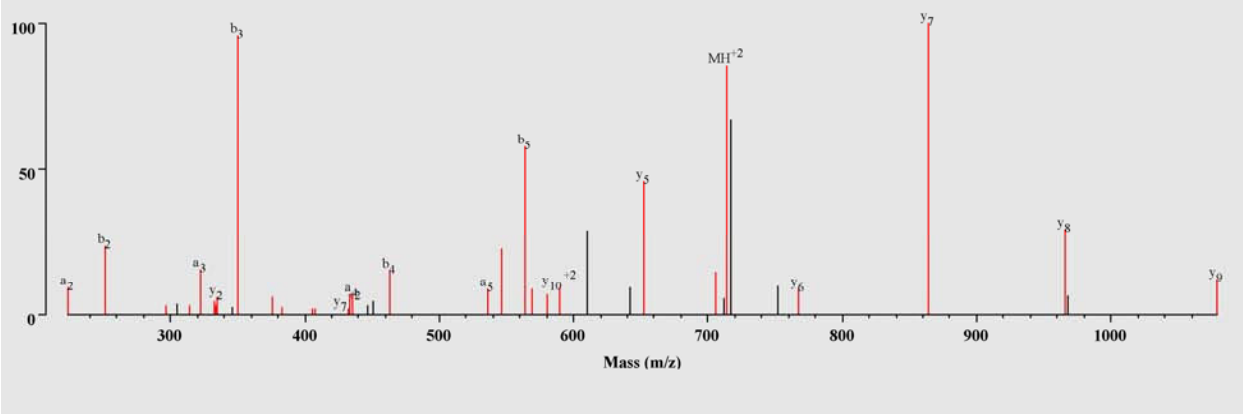
175.1247	223.1180	251.1117	320.1281	322.1903	338.1393	433.2084	451.2111	468.1479	469.2480
y_1(33)	a_2(46)	b_2(36)		y_2(9.1)	AFF-28(-139)			b_4(-15)	y_3(-17)
472.2190	**490.2206**	**540.2817**	**553.2328**	**563.2203**	**573.2926**	**581.2231**	**654.3173**	**664.2602**	**682.2780**
		y_4(-21)	a_5(-20)	b_5-H_2O(-14) LYENA-28(-110)	LYENA-H_2O(45)	b_5(-27) ENAFF-28(-84)	a_6(39) y_5(-28)	b_6-H_2O(-24)	b_6(-12)
781.3520	**783.3504**	**792.3150**	**809.8692**	**810.3567**	**901.2867**	**905.3849**	**917.3894**	**923.3926**	**925.9018**
y_{12}^{+2}(-32)	y_6(-36)	b_7-H_2O(-25) TQLYENA-28(-93)	y_{13}^{+2}(-23)	b_7(14)		b_8-H_2O(-37) LTQLYENA-28(-97)		b_8(-40)	MH-H_2O^{+2}(-31)
926.3971	**934.0492**	**934.9020**	**946.4098**	**1059.4814**	**1086.4491**	**1128.7423**	**1187.5353**	**1288.5648**	**1401.6005**
MH-NH_3^{+2}(-27)		MH^{+2}(-36)	y_7(-34)	y_8(-42)	b_9(-40) TQLYENAFF-28(-70)	YGC(Carbamidomethyl)LTQLYE(212)	a_{10}(-4.1) y_9(-41)	y_{10}(-52)	y_{11}(-82)

[–] Main Sequence Ions

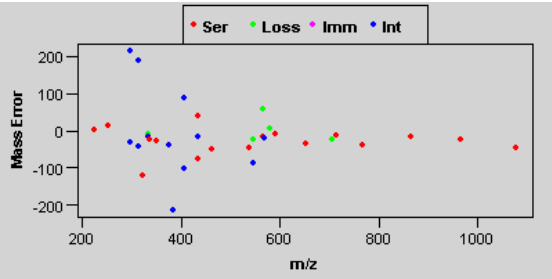
b				y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1781.8316	891.4194
308.1241	3	G	13	1618.7682	809.8878
468.1547	4	C(Carbamidomethyl)	12	1561.7468	781.3770
581.2388	5	L	11	1401.7161	701.3617
682.2865	6	T	10	1288.6321	644.8197
810.3451	7	Q	9	1187.5844	594.2958
923.4291	8	L	8	1059.5258	530.2665
1086.4925	9	Y	7	946.4417	473.7245
1215.5351	10	E	6	783.3784	392.1928
1329.5780	11	N	5	654.3358	327.6715
1400.6151	12	A	4	540.2929	270.6501
1547.6835	13	F	3	469.2558	235.1315
1694.7519	14	F	2	322.1874	161.5973
---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVLTPDAFVC(Carbamidomethyl)R^{+2}



Max Intensity: **9.72**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **81.5%** Matched Series Intensity: **78.6%**



Sequence: SYVLTPDAFVC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C64 H99 N16 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1428.4947	1427.6988	714.7511	714.3530

[–] Peak Matches

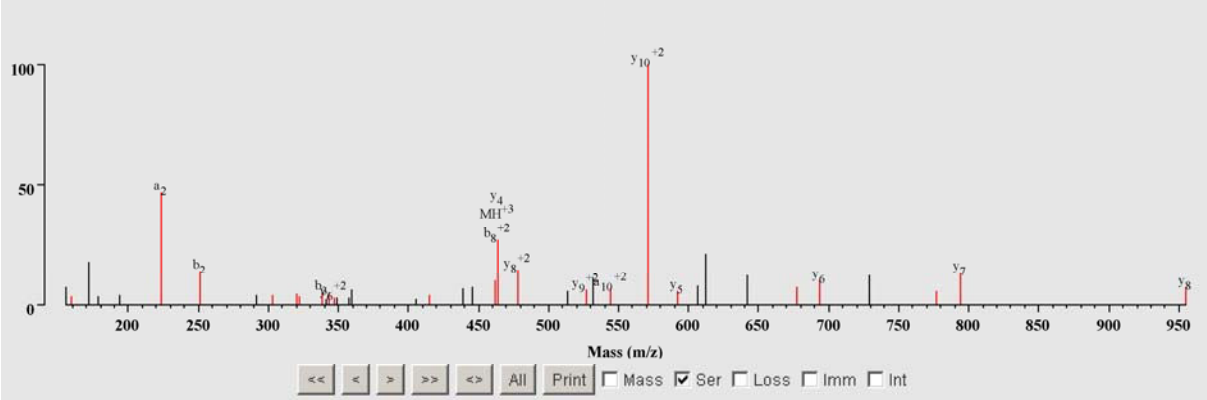
223.1082	**251.1057**	**296.1877**	**305.1470**	**314.1944**	**322.1378**	**332.1578**	**334.1342**	**335.1419**	**346.1737**
a_2(2.2)	b_2(12)	TPD-H_2O(215) VLT-H_2O(-31)		TPD(190) VLT(-41)	a_3(-119)	b_3-H_2O(-8.1)	DAF(-17)	y_2(-23)	
350.1616	**376.2081**	**383.1834**	**405.1717**	**407.2110**	**432.7229**	**433.2015**	**435.2271**	**447.2276**	**451.2077**
b_3(-27)	YVL(-40)	VLTP-28(-214)	DAFV-28(-103)	FVC(Carbamidomethyl)(89)	y_7^{+2}(41)	DAFV(-15)	a_4(-76)		
463.2315	**536.2828**	**546.2803**	**564.2925**	**569.3177**	**580.3032**	**589.3009**	**609.7831**	**642.3278**	**652.2999**
b_4(-51)	a_5(-47)	b_5-H_2O(-22) YVLTP-28(-88)	y_4-NH_3(58) b_5(-18)	VLTPDA-28(-20)	y_{10}-H_2O^{+2}(5.4)	y_{10}^{+2}(-7.5)			y_5(-36)
705.3299	**712.4135**	**714.3427**	**716.8493**	**752.3596**	**767.3199**	**864.3882**	**965.4301**	**968.4322**	**1078.4864**
MH-H_2O^{+2}(-25)		MH^{+2}(-14)			y_6(-40)	y_7(-17)	y_8(-22)		y_9(-45)

[–] Main Sequence Ions

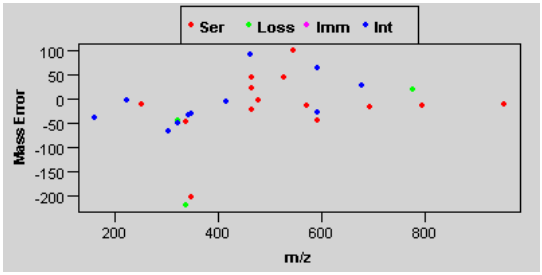
b				y	y^{+2}
---	1	**S**	12	---	---
251.1026	2	**Y**	11	1340.6667	670.8370
350.1710	3	**V**	10	1177.6034	589.3053
463.2551	4	**L**	9	1078.5350	539.7711
564.3028	5	**T**	8	965.4509	483.2291
661.3556	6	**P**	7	864.4032	432.7053
776.3825	7	**D**	6	767.3505	384.1789
847.4196	8	**A**	5	652.3235	326.6654
994.4880	9	**F**	4	581.2864	291.1469
1093.5564	10	**V**	3	434.2180	217.6126
1253.5871	11	**C(Carbamidomethyl)**	2	335.1496	168.0784
---	12	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVC(Carbamidomethyl)TTKTSTR^{+3}



Max Intensity: **19.6**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **68.8%** Matched Series Intensity: **67.7%**



Sequence: SYSVC(Carbamidomethyl)TTKTSTR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H96 N17 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1391.3868	1390.6631	696.1971	695.8352	464.4672	464.2259

[–] Peak Matches

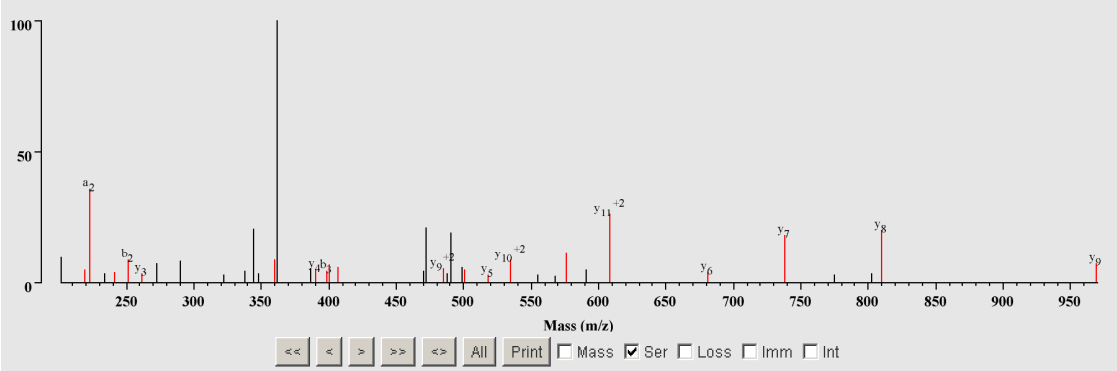
155.1027	159.1066	172.1267	178.0834	194.1114	223.1074	251.1003	291.1535	303.1830	320.1097
	SV-28(-39)				a_2(-1.4) YS-28(-1.4)	YS(-9.3) b_2(-9.3)		TKT-28(-65) TTK-28(-65)	b_3-H_2O(-45)
322.1604	**338.1189**	**341.0434**	**343.1324**	**347.1275**	**349.1620**	**357.1645**	**359.0201**	**405.2711**	**415.2170**
YSV-28(-49)	b_3(-47) y_6-H_2O^{+2}(-219)		VC(Carbamidomethyl)T-H_2O(-32)	SVC(Carbamidomethyl)(-31) y_6^{+2}(-203)					TTKT-NH_3(-4.2)
438.5550	**445.2045**	**462.2442**	**464.2366**	**477.7361**	**513.7763**	**527.2948**	**532.2704**	**544.3132**	**570.7798**
		VC(Carbamidomethyl)TT(92)	b_8^{+2}(45) MH^{+3}(23) y_4(-21)	y_8^{+2}(-2.5)		y_9^{+2}(44)		a_{10}^{+2}(101)	y_{10}^{+2}(-14)
592.3147	**606.8159**	**611.8041**	**642.3396**	**677.3480**	**693.3774**	**729.3764**	**776.4417**	**794.4265**	**954.4583**
C(Carbamidomethyl)TTKT(65) TTKTST-28(-26) y_5(-45)				SVC(Carbamidomethyl)TTK(29)	y_6(-17)		y_7-H_2O(20)	y_7(-13)	y_8(-9.4)

[–] Main Sequence Ions

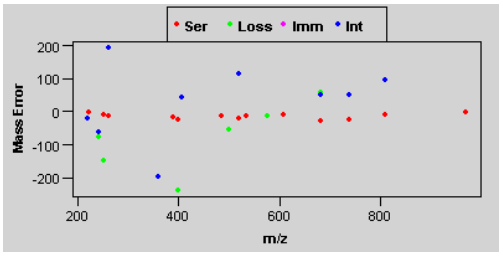
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1303.6311	652.3192
338.1347	---	3	S	10	1140.5677	570.7875
437.2031	---	4	V	9	1053.5357	527.2715
597.2337	---	5	C(Carbamidomethyl)	8	954.4673	477.7373
698.2814	---	6	T	7	794.4367	397.7220
799.3291	---	7	T	6	693.3890	347.1981
927.4240	464.2157	8	K	5	592.3413	296.6743
1028.4717	514.7395	9	T	4	464.2463	232.6268
1115.5038	558.2555	10	S	3	363.1987	182.1030
1216.5514	608.7794	11	T	2	276.1666	138.5870
---	---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)VC(Carbamidomethyl)AGYKEGGK^{+3}



Max Intensity: **38.6**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **45.5%** Matched Series Intensity: **45.5%**



Sequence: SYM(Oxidation)VC(Carbamidomethyl)AGYKEGGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C62 H97 N16 O21 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1466.3579	1465.6450	733.6827	733.3261	489.4576	489.2199

[–] Peak Matches

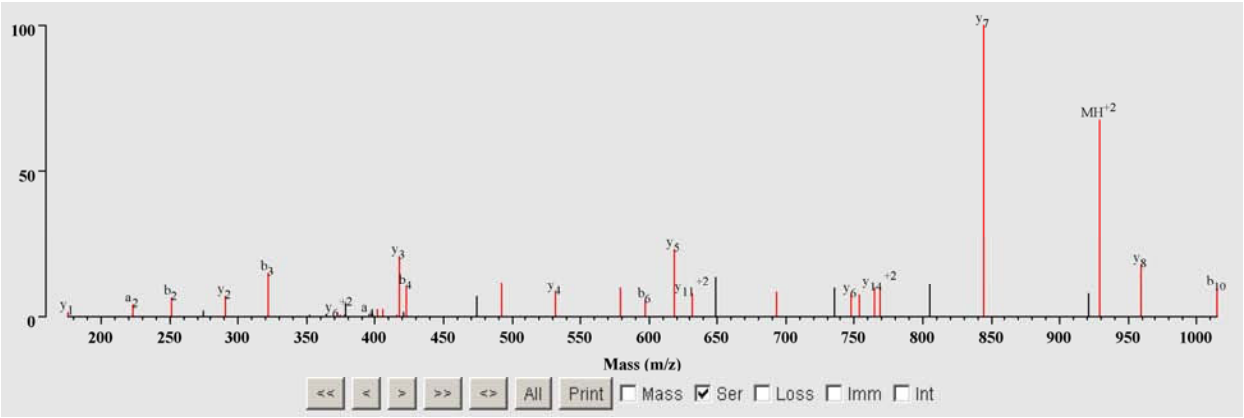
201.1125	**219.1117**	**223.1074**	**234.0597**	**241.1032**	**251.1003**	**261.1520**	**272.0406**	**290.0466**	**322.1349**
	M(Oxidation)V-28(-20)	a_2(-1.4)		KE-NH_3(-63) y_7-NH_3^{+3}(-78)	b_2(-9.3) y_5-NH_3^{+2}(-146)	C(Carbamidomethyl)AG-28(193) y_3(-14)			
338.1641	**344.0819**	**348.1052**	**360.0987**	**362.0924**	**386.2079**	**390.1914**	**398.1288**	**400.0840**	**407.1597**
			VC(Carbamidomethyl)AG-28(-198)			y_4(-18)	b_3(-23)	y_{11}-NH_3^{+3}(-238)	M(Oxidation)VC(Carbamidomethyl)(44)
470.2579	**472.1440**	**485.2191**	**487.2812**	**490.1626**	**498.7581**	**500.2558**	**518.2830**	**534.7539**	**555.2967**
		y_9^{+2}(-15)				y_5-H_2O(-54)	YKEGG-NH_3(113) GYKEG-NH_3(113) y_5(-20)	y_{10}^{+2}(-13)	
567.7672	**576.2721**	**590.8068**	**608.2717**	**681.3371**	**738.3612**	**774.4122**	**802.3777**	**809.4083**	**969.4424**
	y_{11}-$SOCH_4^{+2}$(-13)		y_{11}^{+2}(-11)	y_{12}-NH_3^{+2}(59) C(Carbamidomethyl)AGYKE-28(51) y_6(-29)	C(Carbamidomethyl)AGYKEG-28(50) y_7(-23)			M(Oxidation)VC(Carbamidomethyl)AGYK-NH_3(94) y_8(-8.5)	y_9(-3.5)

[–] Main Sequence Ions

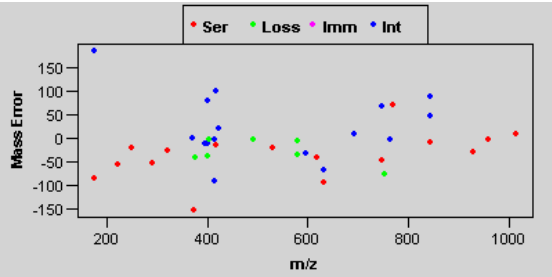
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1378.6130	689.8101
398.1380	---	3	M(Oxidation)	11	1215.5497	608.2785
497.2064	---	4	V	10	1068.5143	534.7608
657.2371	---	5	C(Carbamidomethyl)	9	969.4458	485.2266
728.2742	---	6	A	8	809.4152	405.2112
785.2957	---	7	G	7	738.3781	369.6927
948.3590	---	8	Y	6	681.3566	341.1819
1076.4540	538.7306	9	K	5	518.2933	259.6503
1205.4966	603.2519	10	E	4	390.1983	195.6028
1262.5180	631.7626	11	G	3	261.1557	131.0815
1319.5395	660.2734	12	G	2	204.1343	102.5708
---	---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATSSSSQDPESLQDR^{+2}



Max Intensity: **2.57**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **86.1%** Matched Series Intensity: **83.6%**



Sequence SYATSSSSQDPESLQDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H117 N22 O34

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1858.8812	1857.8097	929.9443	929.4085

[–] Peak Matches

175.1037	223.0947	251.0973	274.0849	290.1304	322.1315	352.1183	364.1658	372.1512	374.1277
SS(185) y_1(-87)	a_2(-58)	b_2(-21)		y_2(-53)	b_3(-26)			SSSQ-H_2O(-0.47)	y_6^{+2}(-154)
377.1656	**378.1441**	**395.1881**	**397.1436**	**401.1620**	**405.1759**	**416.1761**	**418.1983**	**421.1961**	**423.1954**
a_4-H_2O(-43)		a_4(-11) YATS-28(-11)		SSQD-NH_3(79) DPES-28(-12) y_3-NH_3(-40)	YATS-H_2O(-2.4) b_4-H_2O(-2.4)	ATSSS-H_2O(-3.6) SLQD-28(-91)	SSQD(99) y_3(-15)		b_4(19) YATS(19)
474.1885	**492.2078**	**531.2773**	**579.2366**	**597.2315**	**618.2946**	**631.2261**	**648.2496**	**693.2752**	**735.2986**
	YATSS-H_2O(-2.2) b_5-H_2O(-2.2)	y_4(-21)	YATSSS-H_2O(-7.5) b_6-H_2O(-7.5) y_{10}-NH_3^{+2}(-35)	b_6(-33) YATSSS(-33)	y_5(-42)	ATSSSSQ-H_2O(-67) y_{11}^{+2}(-96)		TSSSSQD(9.5)	
747.3283	**753.2473**	**764.3020**	**768.8960**	**804.8811**	**844.4072**	**921.3906**	**929.3807**	**959.4388**	**1014.4107**
ATSSSSQD-NH_3(66) y_6(-47)	b_8-H_2O(-77)	ATSSSSQD(-4.8)	y_{14}^{+2}(70)		ATSSSSQDP-NH_3(89) SSQDPESL(46) y_7(-10)		MH^{+2}(-30)	y_8(-4.2)	b_{10}(9.5)

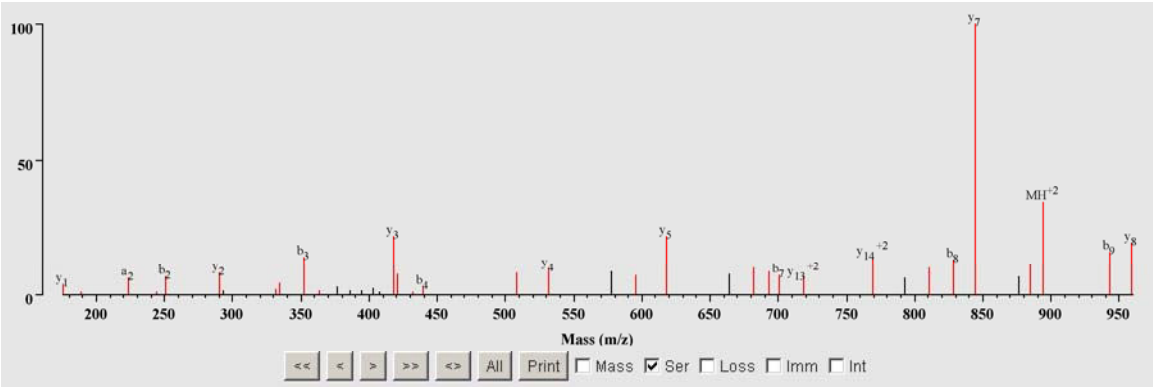
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	17 ---	---
251.1026	2	Y	16 1770.7777	885.8925
322.1397	3	A	15 1607.7143	804.3608
423.1874	4	T	14 1536.6772	768.8423
510.2195	5	S	13 1435.6296	718.3184
597.2515	6	S	12 1348.5975	674.8024
684.2835	7	S	11 1261.5655	631.2864
771.3155	8	S	10 1174.5335	587.7704
899.3741	9	Q	9 1087.5014	544.2544
1014.4011	10	D	8 959.4429	480.2251
1111.4538	11	P	7 844.4159	422.7116
1240.4964	12	E	6 747.3632	374.1852
1327.5284	13	S	5 618.3206	309.6639
1440.6125	14	L	4 531.2885	266.1479
1568.6711	15	Q	3 418.2045	209.6059

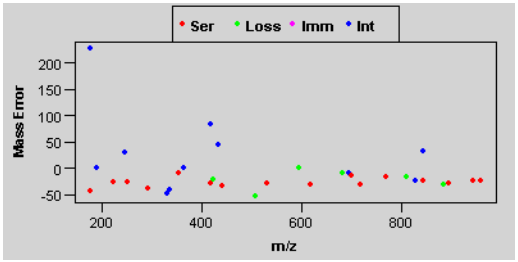
1683.6980	16	**D**	2	290.1459	145.5766
---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTSSSSQDPESLQDR^{+2}



Max Intensity: **8.45**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **90.1%** Matched Series Intensity: **89.0%**



Sequence SYTSSSSQDPESLQDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C71 H112 N21 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1787.8019	1786.7726	894.4046	893.8899

[–] **Peak Matches**

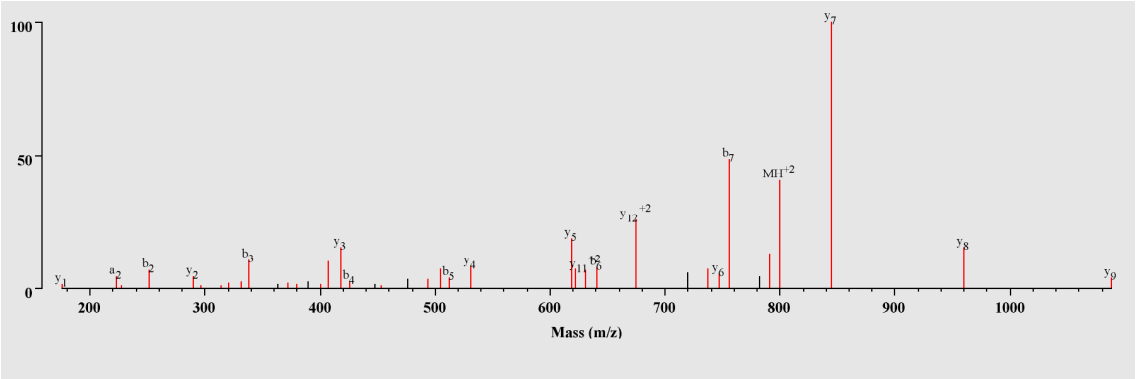
175.1112	189.0870	223.1017	244.1004	251.0958	290.1353	293.0899	331.1085	334.1260	352.1468
SS(228) y_1(-44)	TS(0.088) ES-28(0.088)	a_2(-27)	SSS-H_2O(31) QD(31)	b_2(-27)	y_2(-37)		SSSS-H_2O(-49) SQD(-49)	b_3-H_2O(-41) YTS-H_2O(-41)	YTS(-10.0) b_3(-10.0)
363.1514	**376.1406**	**386.1335**	**394.1576**	**403.1569**	**407.1483**	**418.1925**	**421.1631**	**432.1918**	**439.1677**
TSSS(0.99)						SSQD(85) y_3(-29)	YTSS-H_2O(-21) b_4-H_2O(-21)	TSSSS-H_2O(45)	YTSS(-33) b_4(-33)
508.1771	**531.2729**	**577.2041**	**595.2370**	**618.3017**	**664.2452**	**682.2615**	**693.2627**	**700.2684**	**718.2967**
YTSSS-H_2O(-53) b_5-H_2O(-53)	y_4(-29)		YTSSSS-H_2O(2.0) b_6-H_2O(2.0)	y_5(-31)		b_7-H_2O(-9.3)	TSSSSQD(-8.5)	b_7(-14)	y_{13}^{+2}(-30)
768.8304	**792.2937**	**810.3146**	**828.3174**	**844.3956**	**875.8405**	**884.8581**	**893.8648**	**943.3409**	**959.4212**
y_{14}^{+2}(-15)		b_8-H_2O(-15)	b_8(-24) YTSSSSQD-28(-24)	SSQDPESL(32) y_7(-24)		MH-H_2O^{+2}(-30)	MH^{+2}(-28)	b_9(-24)	y_8(-23)

[–] **Main Sequence Ions**

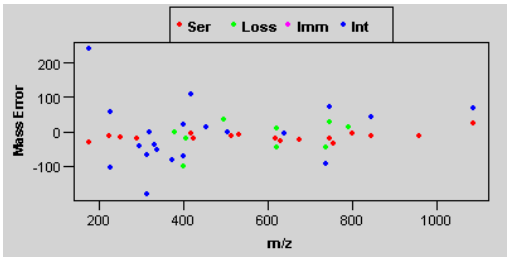
b			y	y^{+2}
---	1	S	16 ---	---
251.1026	2	Y	15 1699.7406	850.3739
352.1503	3	T	14 1536.6772	768.8423
439.1823	4	S	13 1435.6296	718.3184
526.2144	5	S	12 1348.5975	674.8024
613.2464	6	S	11 1261.5655	631.2864
700.2784	7	S	10 1174.5335	587.7704
828.3370	8	Q	9 1087.5014	544.2544
943.3639	9	D	8 959.4429	480.2251
1040.4167	10	P	7 844.4159	422.7116
1169.4593	11	E	6 747.3632	374.1852
1256.4913	12	S	5 618.3206	309.6639
1369.5754	13	L	4 531.2885	266.1479
1497.6340	14	Q	3 418.2045	209.6059
1612.6609	15	D	2 290.1459	145.5766
---	16	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSSQDPESLQDR^{+2}



Max Intensity: **7.43**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **95.2%** Matched Series Intensity: **94.5%**



Sequence SYSSSQDPESLQDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C64 H100 N19 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1599.6175	1598.6929	800.3124	799.8501

[–] **Peak Matches**

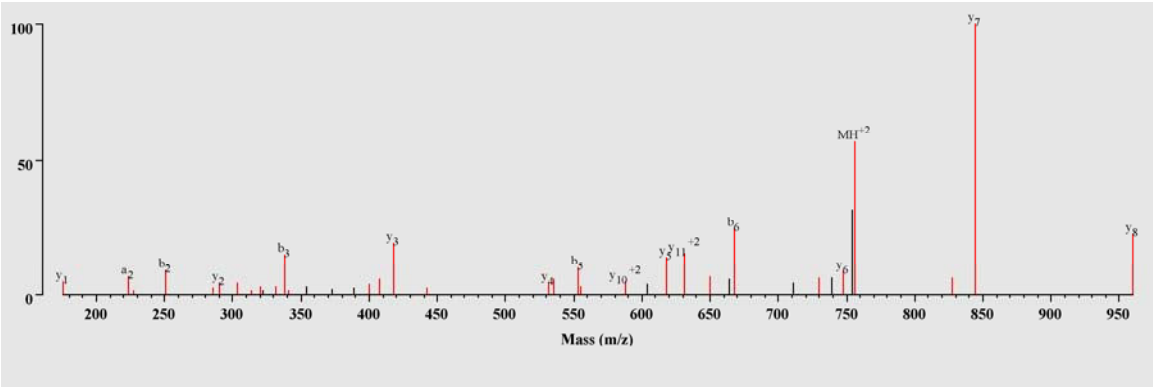
175.1137	223.1046	227.0793	251.0988	290.1401	296.1116	314.0775	320.1232	331.1119	338.1171
SS(242) y_1(-30)	YS-28(-14) a_2(-14)	QD-NH_3(57) PE(-103)	YS(-15) b_2(-15)	y_2(-20)	PES-H_2O(-42)	SQD-NH_3(-66) DPE-28(-182) PES(-182)	b_3-H_2O(-2.8) YSS-H_2O(-2.8)	SQD(-39)	b_3(-52) YSS(-52)
363.1226	**372.1202**	**379.1608**	**389.1357**	**400.1541**	**407.1483**	**418.2022**	**425.1584**	**448.1611**	**453.1684**
	SSSQ-H_2O(-84)	a_4-H_2O(-1.1)		SSQD-H_2O(20) SQDP-28(-71) y_3-H_2O(-99)	YSSS-H_2O(-19) b_4-H_2O(-19)	SSQD(108) y_3(-5.4)	YSSS(-19) b_4(-19)		QDPE-NH_3(15)
476.1816	**494.2048**	**505.1879**	**512.1921**	**531.2838**	**618.3087**	**622.2525**	**631.2689**	**640.2543**	**674.7860**
	b_5-H_2O(34)	SSSQD(-1.9)	b_5(-13)	y_4(-8.9)	y_5(-19)	b_6-H_2O(9.3) y_{11}-H_2O^{+2}(-46)	y_{11}^{+2}(-28)	b_6(-4.7) YSSSQD-28(-4.7)	y_{12}^{+2}(-24)
719.2407	**737.2402**	**747.3490**	**755.2567**	**781.8129**	**790.8557**	**799.8460**	**844.4044**	**959.4300**	**1087.5275**
	b_7-H_2O(-45) YSSSQDP-28(-95)	YSSSQDP-H_2O(73) y_{12}-H_2O^{+2}(27) y_6(-19)	b_7(-36)		MH-H_2O^{+2}(14)	MH^{+2}(-5.1)	SSQDPESL(43) y_7(-14)	y_8(-13)	SSQDPESLQD(68) y_9(24)

[–] **Main Sequence Ions**

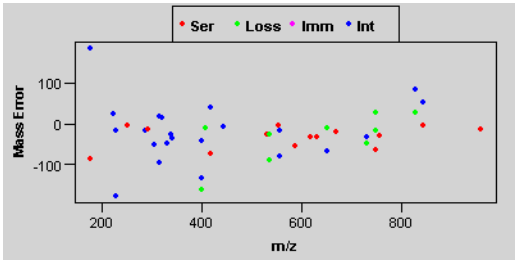
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1511.6609	756.3341
338.1347	3	S	12	1348.5975	674.8024
425.1667	4	S	11	1261.5655	631.2864
512.1987	5	S	10	1174.5335	587.7704
640.2573	6	Q	9	1087.5014	544.2544
755.2842	7	D	8	959.4429	480.2251
852.3370	8	P	7	844.4159	422.7116
981.3796	9	E	6	747.3632	374.1852
1068.4116	10	S	5	618.3206	309.6639
1181.4957	11	L	4	531.2885	266.1479
1309.5543	12	Q	3	418.2045	209.6059
1424.5812	13	D	2	290.1459	145.5766
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSQDPESLQDR^{+2}



Max Intensity: **3.47**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **86.1%** Matched Series Intensity: **83.7%**



Sequence SYSSQDPESLQDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C61 H95 N18 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1512.5388	1511.6609	756.7731	756.3341

[–] **Peak Matches**

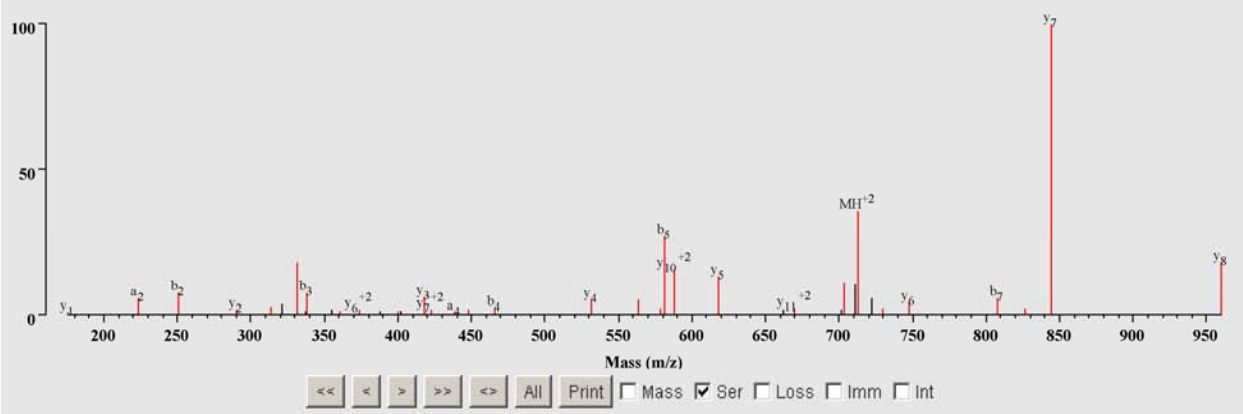
175.1037	223.1130	227.0622	251.1018	285.1141	290.1417	303.1138	314.1043	320.1283	322.1213
SS(185) y_1(-87)	a_2(24) YS-28(24)	QD-NH_3(-18) PE(-178)	YS(-3.3) b_2(-3.3)	SSQ-H_2O(-18)	y_2(-14)	SQD-28(-53) SSQ(-53)	SQD-NH_3(19) DPE-28(-97) PES(-97)	b_3-H_2O(13) YSS-H_2O(13)	
331.1085	**338.1258**	**341.1331**	**354.1140**	**373.1507**	**389.1450**	**400.1295**	**407.1521**	**418.1731**	**442.1899**
SQD(-49)	b_3(-26) YSS(-26)	QDP(-37)				SSQD-H_2O(-42) SQDP-28(-133) y_3-H_2O(-161)	b_4-H_2O(-9.9)	SSQD(39) y_3(-75)	QDPE-28(-7.6)
531.2751	**535.2006**	**553.2221**	**555.2321**	**587.7372**	**604.2073**	**618.2993**	**631.2665**	**650.2344**	**664.2671**
y_4(-25)	b_5-H_2O(-26) y_9-H_2O^{+2}(-91)	YSSQD-28(-5.7) b_5(-5.7)	ESLQD-H_2O(-16) PESLQ(-81)	y_{10}^{+2}(-56)		y_5(-34)	y_{11}^{+2}(-32)	b_6-H_2O(-11) YSSQDP-28(-67)	
668.2396	**711.3098**	**729.3178**	**738.8345**	**747.3154**	**754.3647**	**756.3105**	**827.4106**	**844.4127**	**959.4300**
b_6(-19)		SQDPESL-28(-32) y_6-H_2O(-48)		b_7-H_2O(28) MH-H_2O^{+2}(-18) y_6(-64)		MH^{+2}(-31)	SSQDPESL-NH_3(83) y_7-NH_3(26)	SSQDPESL(53) y_7(-3.8)	y_8(-13)

[–] **Main Sequence Ions**

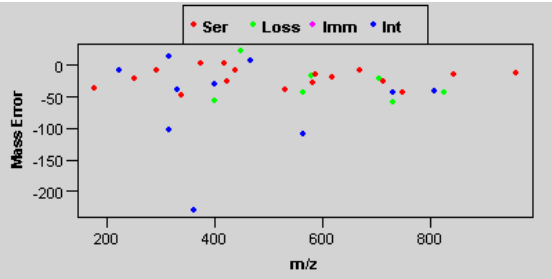
b			y	y^{+2}
---	1	S 13	---	---
251.1026	2	Y 12	1424.6288	712.8181
338.1347	3	S 11	1261.5655	631.2864
425.1667	4	S 10	1174.5335	587.7704
553.2253	5	Q 9	1087.5014	544.2544
668.2522	6	D 8	959.4429	480.2251
765.3050	7	P 7	844.4159	422.7116
894.3476	8	E 6	747.3632	374.1852
981.3796	9	S 5	618.3206	309.6639
1094.4637	10	L 4	531.2885	266.1479
1222.5222	11	Q 3	418.2045	209.6059
1337.5492	12	D 2	290.1459	145.5766
---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSQDPESLQDR^{+2}



Max Intensity: **6.47**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **91.4%** Matched Series Intensity: **90.0%**



Sequence: SYSQDPESLQDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C58 H90 N17 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1425.4601	1424.6288	713.2338	712.8181

[–] Peak Matches

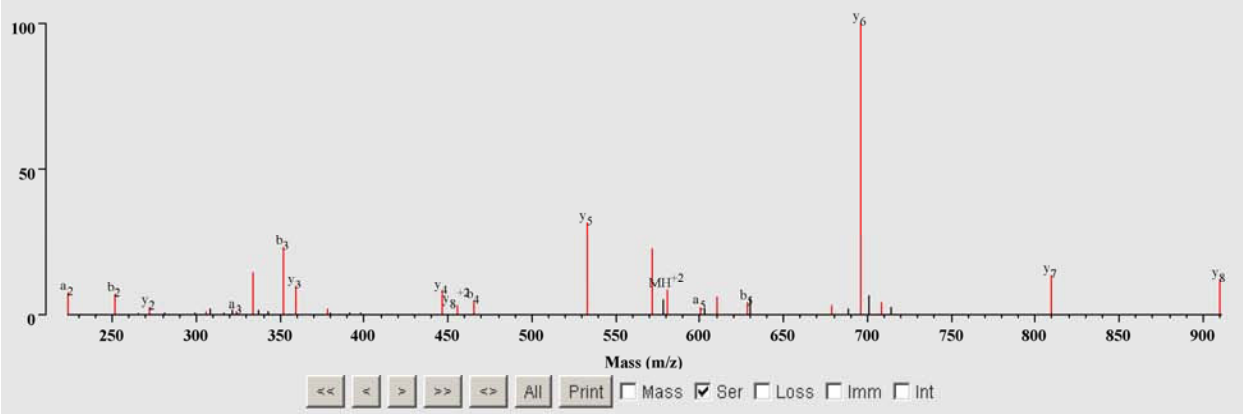
175.1124	223.1060	251.0973	290.1433	314.1026	321.1215	331.1119	337.1345	338.1189	355.1406
y_1(-37)	a_2(-7.7) YS-28(-7.7)	YS(-21) b_2(-21)	y_2(-8.9)	SQD-NH_3(14) PES(-102) DPE-28(-102)		SQD(-39)		b_3(-47)	
361.0675	**374.1862**	**388.1076**	**400.1711**	**402.1959**	**418.2060**	**422.7010**	**438.1944**	**447.7324**	**448.1932**
YSQ-H_2O(-230)	y_6^{+2}(2.6)		SQDP-28(-29) y_3-H_2O(-57)		y_3(3.7)	y_7^{+2}(-25)	a_4(-9.0)		b_4-H_2O(23)
466.1965	**531.2685**	**563.1846**	**578.7560**	**581.2042**	**587.7624**	**618.3087**	**662.2341**	**669.2971**	**701.3283**
b_4(7.0) YSQD-28(7.0)	y_4(-38)	b_5-H_2O(-44) YSQDP-28(-109)	y_{10}-H_2O^{+2}(-16)	b_5(-27)	y_{10}^{+2}(-14)	y_5(-19)		y_{11}^{+2}(-7.4)	
703.7970	**710.8227**	**712.8000**	**722.3460**	**729.3101**	**747.3309**	**807.2836**	**826.3708**	**844.4044**	**959.4300**
MH-H_2O^{+2}(-22)		MH^{+2}(-25)		SQDPESL-28(-43) y_6-H_2O(-58)	y_6(-43)	b_7(-40) YSQDPES(-40)	y_7-H_2O(-42)	y_7(-14)	y_8(-13)

[–] Main Sequence Ions

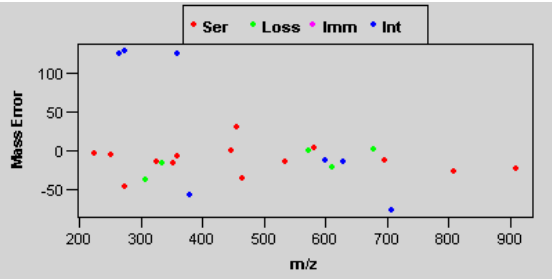
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1337.5968	669.3020
338.1347	3	S	10	1174.5335	587.7704
466.1932	4	Q	9	1087.5014	544.2544
581.2202	5	D	8	959.4429	480.2251
678.2729	6	P	7	844.4159	422.7116
807.3155	7	E	6	747.3632	374.1852
894.3476	8	S	5	618.3206	309.6639
1007.4316	9	L	4	531.2885	266.1479
1135.4902	10	Q	3	418.2045	209.6059
1250.5172	11	D	2	290.1459	145.5766
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTLYSSSPR^{+2}



Max Intensity: **30.0**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **89.2%** Matched Series Intensity: **88.1%**



Sequence SYTLYSSSPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H78 N13 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1161.2642	1160.5582	581.1358	580.7828

[–] **Peak Matches**

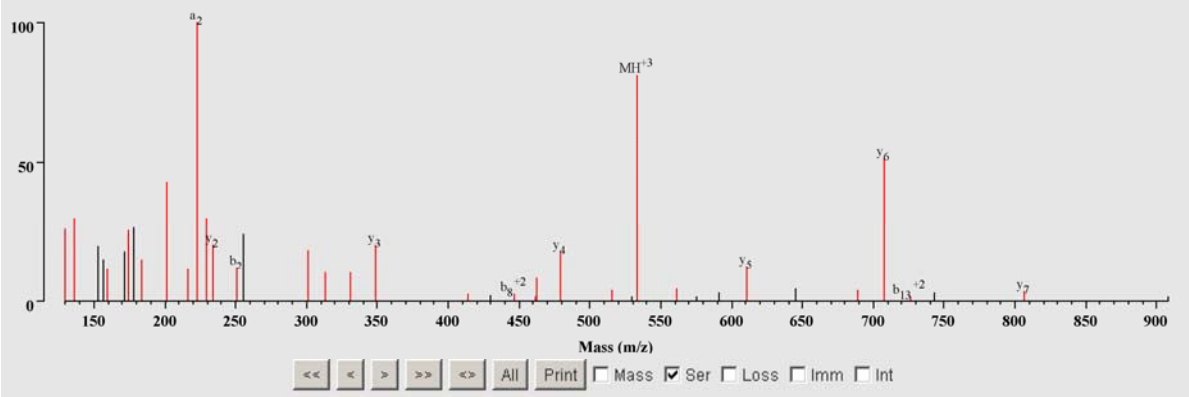
223.1068	251.1012	265.1512	272.1588	281.1304	299.1467	306.1332	308.1187	316.1554	321.1295
YS-28(-4.1) a_2(-4.1)	YS(-5.7) b_2(-5.7)	YT(124)	SSP(128) y_2(-47)			a_3-H_2O(-38)			
324.1507	**334.1342**	**337.0941**	**343.2004**	**352.1446**	**359.2008**	**378.1806**	**380.1564**	**391.1657**	**398.1682**
a_3(-14)	b_3-H_2O(-17)			b_3(-16)	SSSP(124) y_3(-8.2)	TLY(-58) YTL(-58)			
446.2353	**455.7489**	**465.2178**	**533.2600**	**571.7775**	**578.2575**	**580.7844**	**600.2958**	**603.2725**	**610.2741**
y_4(-1.1)	y_8^{+2}(30)	TLYS(-36) b_4(-36)	y_5(-15)	MH-H_2O^{+2}(0.052)		MH^{+2}(2.8)	a_5(-12) YTLYS-28(-12)		YTLYS-H_2O(-21) b_5-H_2O(-21)
628.2880	**630.2754**	**678.3217**	**688.3945**	**696.3218**	**701.3086**	**708.3017**	**714.3325**	**809.3937**	**910.4407**
b_5(-15) YTLYS(-15)		y_6-H_2O(1.7)		y_6(-13)		TLYSSSP-28(-77)		y_7(-27)	y_8(-24)

[–] **Main Sequence Ions**

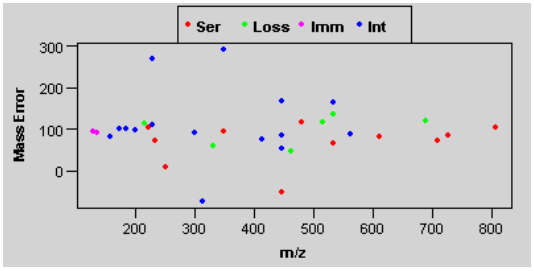
b			y	y^{+2}
---	1	S 10	---	---
251.1026	2	Y 9	1073.5262	537.2667
352.1503	3	T 8	910.4629	455.7351
465.2344	4	L 7	809.4152	405.2112
628.2977	5	Y 6	696.3311	348.6692
715.3297	6	S 5	533.2678	267.1375
802.3618	7	S 4	446.2358	223.6215
889.3938	8	S 3	359.2037	180.1055
986.4466	9	P 2	272.1717	136.5895
---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNSVIKVPMMNSK^{+3}



Max Intensity: **2.48**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **82.7%** Matched Series Intensity: **83.2%**



Sequence SYNSVIKVPMMNSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H117 N18 O21 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1598.9357	1597.8077	799.9715	799.4075	533.6502	533.2741

[–] **Peak Matches**

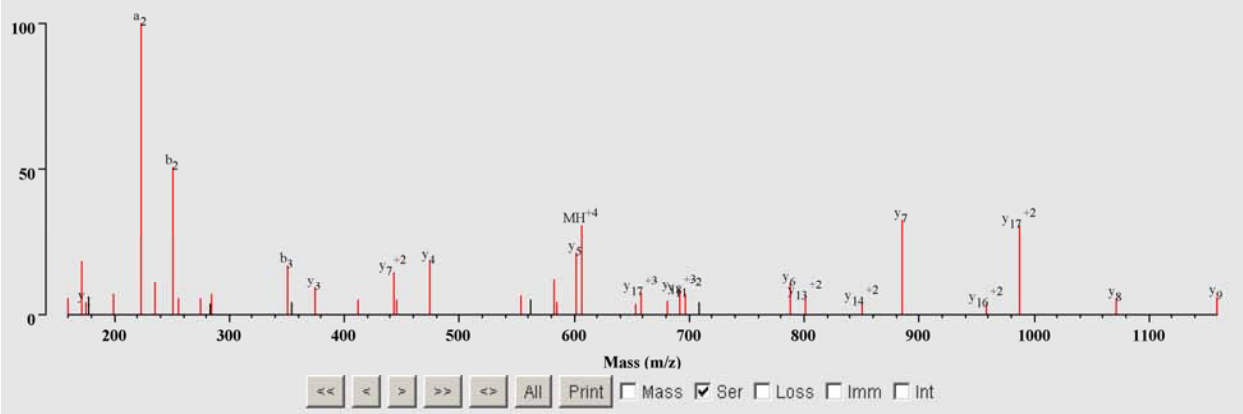
129.1143	**136.0879**	**153.1173**	**157.0789**	**159.1258**	**171.1627**	**174.1050**	**178.1066**	**184.0902**	**201.1254**
K(93)	Y(90)			SV-28(82)		NS-28(102)		NS-H_2O(101)	PM-28(98)
216.1586	**223.1312**	**229.1259**	**234.1619**	**251.1048**	**255.1721**	**301.1783**	**313.2364**	**331.1805**	**348.2206**
y_2-H_2O(113)	a_2(105)	MN-NH_3(270) PM(111)	y_2(73)	b_2(8.6)		NSV(92)	IKV-28(-75) VIK-28(-75)	y_3-NH_3(58)	b_3-NH_3(292) YNS-NH_3(292) y_3(94)
414.2662	**430.1996**	**446.2276**	**461.2389**	**462.2232**	**479.2834**	**515.3427**	**529.3248**	**533.3085**	**561.2648**
NSVI(76)		MMNS-H_2O(168) PMMN-28(86) YNSV-H_2O(54) b_8^{+2}(-51)	y_4-H_2O(46)	y_4-NH_3(47)	y_4(115)	y_9-H_2O^{+2}(116)		PMMNS-28(164) b_5-H_2O(137) MH^{+3}(64)	PMMNS(87)
575.3349	**591.4213**	**610.3176**	**645.4643**	**689.3933**	**707.3718**	**726.4157**	**743.4578**	**806.4747**	**907.5531**
		y_5(80)		y_6-H_2O(119)	y_6(71)	b_{13}^{+2}(84)		y_7(105)	

[–] **Main Sequence Ions**

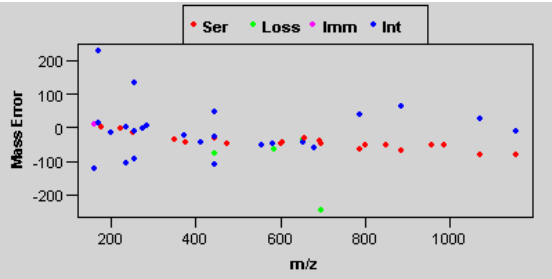
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1510.7756	755.8915
365.1456	---	3	N 12	1347.7123	674.3598
452.1776	---	4	S 11	1233.6694	617.3383
551.2460	---	5	V 10	1146.6373	573.8223
664.3301	---	6	I 9	1047.5689	524.2881
792.4250	396.7162	7	K 8	934.4849	467.7461
891.4934	446.2504	8	V 7	806.3899	403.6986
988.5462	494.7767	9	P 6	707.3215	354.1644
1119.5867	560.2970	10	M 5	610.2687	305.6380
1250.6272	625.8172	11	M 4	479.2282	240.1178
1364.6701	682.8387	12	N 3	348.1878	174.5975
1451.7021	726.3547	13	S 2	234.1448	117.5761
---	---	14	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVVGGC(Carbamidomethyl)VAHPHSWPWQVSLR^{+4}



Max Intensity: **180**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **95.6%** Matched Series Intensity: **95.2%**



Sequence: SYVVGGC(Carbamidomethyl)VAHPHSWPWQVSLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C111 H161 N32 O28 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2423.6132	2422.1873	1212.3103	1211.5973	808.5427	808.0673	606.6589	606.3023

[–] Peak Matches

159.0930	171.1518	175.1189	178.0844	199.1413	223.1069	235.1197	251.0991	256.1418	275.0799
W(8.3) VS-28(-124)	VA(228) VV-28 (15)	y_1(-0.30)		VV(-14)	a_2(-3.7)	HP(3.2) PH(3.2) YV-28(-104)	b_2(-14)	SW-H_2O(132) WP-28(-10) PW-28(-10) VVG(-93)	GGC(Carbamidomethyl)(-3.5)
283.1333	**284.1406**	**350.1589**	**354.1636**	**374.1402**	**375.2192**	**412.1794**	**443.2361**	**445.1748**	**474.2804**
	WP(4.4) PW(4.4)	b_3(-35)		GGC (Carbamidomethyl)V(-24) VGGC (Carbamidomethyl)(-24)	y_3(-42)	PWQ(-45)	AHPH (48) y_7^{+2}(-33)	GGC(Carbamidomethyl)VA(-26) b_{13}-H_2O^{+3}(-75) VGGC(Carbamidomethyl)V-28(-108) VVGGC(Carbamidomethyl)-28(-108)	y_4(-49)
554.2218	**562.2510**	**582.2168**	**585.2967**	**602.3336**	**606.2768**	**653.2891**	**658.6359**	**681.2731**	**691.6520**
GGC(Carbamidomethyl) VAH-28(-52)		GGC(Carbamidomethyl) VAH(-49)	y_5-NH_3(-66)	y_5(-47)	MH^{+4}(-42)	a_{13}-H_2O^{+2}(-34) VGGC(Carbamidomethyl) VAH-28(-45)	y_{17}^{+3}(-31)	VGGC(Carbamidomethyl) VAH(-60)	y_{18}^{+3}(-40)
696.8285	**708.2664**	**788.3915**	**800.8681**	**850.3983**	**885.4329**	**958.9185**	**987.4300**	**1071.4862**	**1158.5117**
y_{11}^{+2}(-48) a_{19}-H_2O^{+3}(-246)		GGC(Carbamidomethyl) VAHPH-28(37) y_6(-63)	y_{13}^{+2}(-53)	y_{14}^{+2}(-54)	GGC(Carbamidomethyl) VAHPHS-H_2O(62) y_7(-69)	y_{16}^{+2}(-54)	y_{17}^{+2}(-52)	GGC(Carbamidomethyl) VAHPHSW-H_2O(27) y_8(-81)	GGC(Carbamidomethyl) VAHPHSWP-28(-12) y_9(-81)

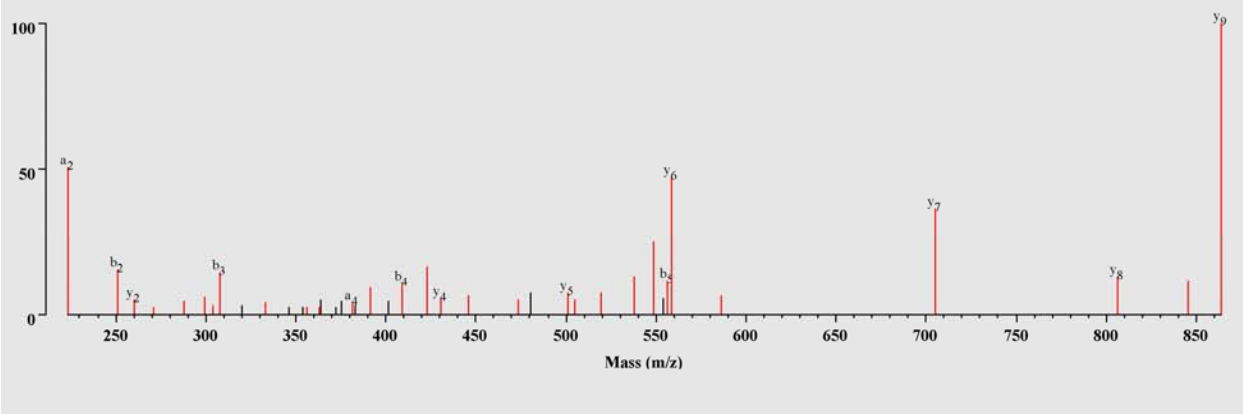
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	21	---	---
251.1026	---	2	**Y**	20	2335.1553	1168.0813
350.1710	---	3	**V**	19	2172.0920	1086.5496
449.2395	---	4	**V**	18	2073.0236	1037.0154
506.2609	---	5	**G**	17	1973.9551	987.4812
563.2824	---	6	**G**	16	1916.9337	958.9705
723.3130	---	7	**C(Carbamidomethyl)**	15	1859.9122	930.4597
822.3815	---	8	**V**	14	1699.8816	850.4444
893.4186	---	9	**A**	13	1600.8132	800.9102
1030.4775	515.7424	10	**H**	12	1529.7760	765.3917
1127.5302	564.2688	11	**P**	11	1392.7171	696.8622

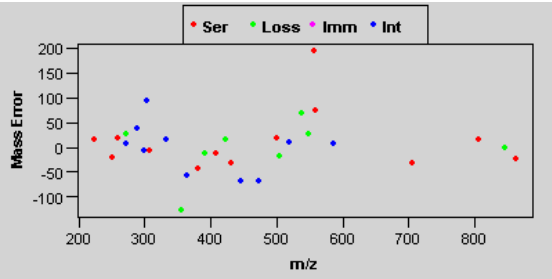
1264.5892	632.7982	12	**H**	10	1295.6644	648.3358
1351.6212	676.3142	13	**S**	9	1158.6055	579.8064
1537.7005	769.3539	14	**W**	8	1071.5734	536.2904
1634.7533	817.8803	15	**P**	7	885.4941	443.2507
1820.8326	910.9199	16	**W**	6	788.4413	394.7243
1948.8911	974.9492	17	**Q**	5	602.3620	301.6847
2047.9596	1024.4834	18	**V**	4	474.3035	237.6554
2134.9916	1067.9994	19	**S**	3	375.2350	188.1212
2248.0757	1124.5415	20	**L**	2	288.2030	144.6051
---	---	21	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTFGAGLLK^{+2}



Max Intensity: **4.58**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **91.7%** Matched Series Intensity: **91.3%**



Sequence SYGTFGAGLLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C52 H81 N12 O15

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1114.2944	1113.5939	557.6509	557.3006

[–] Peak Matches

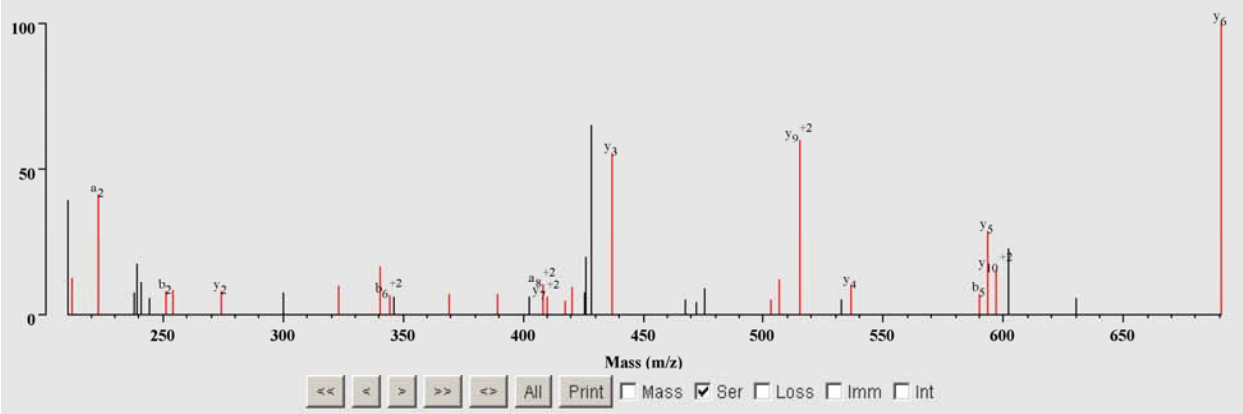
223.1113	251.0972	260.2016	271.1781	288.1451	299.1693	304.1579	308.1220	320.1497	333.1604
a_2(16)	b_2(-22)	y_2(18)	y_6-NH_3^{+2}(27) GAGL-28(6.0)	GTF-H_2O(38) TFG-H_2O(38)	GAGL(-7.0)	YGT-H_2O(94)	b_3(-6.8)		FGAG(14)
346.1538	**354.2133**	**356.2092**	**363.1461**	**364.1495**	**372.2358**	**375.1923**	**381.1606**	**383.1957**	**391.1564**
		y_3-NH_3(-127)	a_4-H_2O(-56) GTFG(-56)				a_4(-43)		b_4-H_2O(-12)
401.2247	**409.1665**	**423.2545**	**430.2888**	**446.2089**	**473.1826**	**480.2493**	**501.3483**	**504.7700**	**519.2974**
	b_4(-13)	y_9-H_2O^{+2}(16)	y_4(-32)	FGAGL(-69)	GTFGAG-H_2O(-67)		y_5(18)	y_{10}-H_2O^{+2}(-18)	TFGAGL-28(9.3)
538.2667	**548.3099**	**554.3407**	**556.3479**	**558.4030**	**586.3019**	**705.4072**	**806.4883**	**845.4860**	**863.4785**
b_5-H_2O(69)	MH-H_2O^{+2}(27)		b_5(194)	y_6(75)	GTFGAGL-H_2O(6.0)	y_7(-31)	y_8(14)	y_9-H_2O(-2.3)	y_9(-23)

[–] Main Sequence Ions

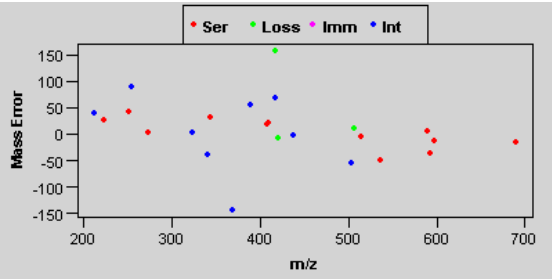
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1026.5619	513.7846
308.1241	3	G	9	863.4985	432.2529
409.1718	4	T	8	806.4771	403.7422
556.2402	5	F	7	705.4294	353.2183
613.2617	6	G	6	558.3610	279.6841
684.2988	7	A	5	501.3395	251.1734
741.3202	8	G	4	430.3024	215.6548
854.4043	9	L	3	373.2809	187.1441
967.4884	10	L	2	260.1969	130.6021
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYPNKPGVYVR^{+3}



Max Intensity: **4.77**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **64.8%** Matched Series Intensity: **64.8%**



Sequence: SYPNKPGVYVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H91 N16 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1280.4781	1279.6793	640.7428	640.3433	427.4977	427.2313

[–] Peak Matches

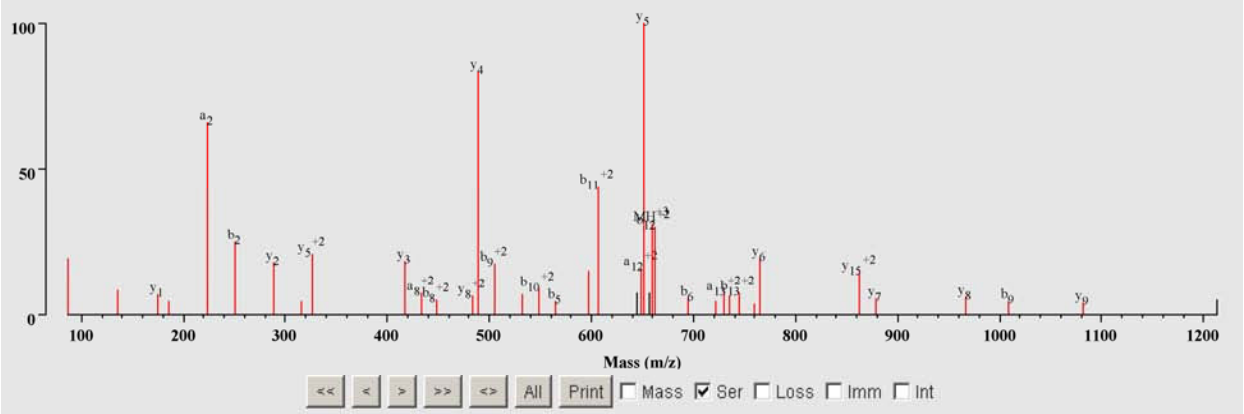
210.1120	212.1113	223.1136	238.1543	239.1089	241.1047	244.1515	251.1133	254.1727	274.1879
	PN(39)	a_2(26)					b_2(42)	PGV(90)	y_2(1.9)
300.0902	**323.1718**	**340.1846**	**344.1878**	**346.2028**	**369.1713**	**389.2396**	**402.2401**	**408.2313**	**409.7566**
	PNK-NH_3(1.3) NKP-NH_3(1.3)	PNK(-39) NKP(-39)	b_6^{+2}(32)		NKPG-28(-144)	PGVY-28(55)		a_8^{+2}(18)	y_7^{+2}(22)
417.2422	**420.2204**	**425.2442**	**426.2498**	**428.1667**	**437.2493**	**467.2451**	**472.2394**	**475.7109**	**503.2336**
a_4-NH_3(157) PGVY(69)	PNKP-NH_3(-8.9) y_3-NH_3(-8.9)				y_3(-3.2) PNKP(-3.2)				YPNK(-55)
506.7872	**515.2929**	**532.2788**	**536.2926**	**590.2957**	**593.3184**	**596.8204**	**602.3539**	**630.3523**	**690.3832**
y_9-NH_3^{+2}(9.6)	y_9^{+2}(-5.3)		y_4(-49)	b_5(4.1)	PNKPGV(-37) y_5(-37)	y_{10}^{+2}(-12)			y_6(-15)

[–] Main Sequence Ions

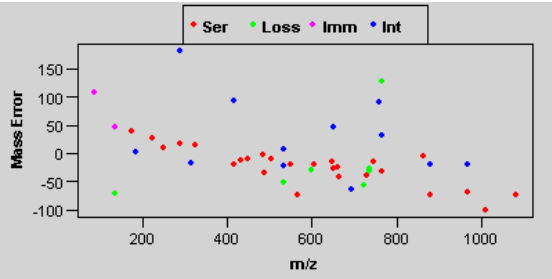
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1192.6473	596.8273
348.1554	---	3	**P**	9	1029.5840	515.2956
462.1983	---	4	**N**	8	932.5312	466.7693
590.2933	295.6503	5	**K**	7	818.4883	409.7478
687.3461	344.1767	6	**P**	6	690.3933	345.7003
744.3675	372.6874	7	**G**	5	593.3406	297.1739
843.4359	422.2216	8	**V**	4	536.3191	268.6632
1006.4993	503.7533	9	**Y**	3	437.2507	219.1290
1105.5677	553.2875	10	**V**	2	274.1874	137.5973
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGKEESLDSDLYAELR^{+3}



Max Intensity: **6.41**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **96.7%** Matched Series Intensity: **96.3%**



Sequence SYGKEESLDSDLYAELR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C85 H132 N21 O33

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1976.1169	1974.9291	988.5622	987.9682	659.3772	658.9812

[–] Peak Matches

86.1056	136.0821	175.1258	186.1242	223.1138	251.1055	288.2078	316.1448	326.1812	417.2374
L(107)	Y(47) y_2-NH_3^{+2}(-72)	y_1(39)	GK(2.7)	a_2(27)	b_2(11)	SDL-28(182) SLD-28(182) LDS-28(182) y_2(17)	SDL(-17) LDS(-17) SLD(-17)	y_5^{+2}(14)	ESLD-28(94) y_3(-20)
433.7108	**447.7089**	**483.7466**	**488.2663**	**505.2223**	**532.2292**	**548.7323**	**565.2196**	**597.2341**	**606.2450**
a_8^{+2}(-13)	b_8^{+2}(-11)	y_8^{+2}(-3.3)	y_4(-34)	b_9^{+2}(-9.9)	ESLDS(8.0) SDLYA-H_2O(-21) y_9-H_2O^{+2}(-51)	b_{10}^{+2}(-20)	b_5(-74)	b_{11}-H_2O^{+2}(-29)	b_{11}^{+2}(-19)
644.7216	**648.7920**	**651.3284**	**656.3480**	**656.9155**	**658.9646**	**662.7702**	**694.2600**	**721.7788**	**730.3047**
	a_{12}^{+2}(-14)	SDLYAE-28(46) y_5(-27)			MH^{+3}(-25)	b_{12}^{+2}(-43)	b_6(-64) YGKEES(-64)	a_{13}-NH_3^{+2}(-57)	a_{13}^{+2}(-39)
735.3062	**744.3194**	**759.4207**	**764.4065**	**862.9159**	**879.3927**	**966.4227**	**1009.3457**	**1081.4359**	**1212.4527**
b_{13}-H_2O^{+2}(-26) a_7-H_2O(-33)	b_{13}^{+2}(-15)	GKEESLD(91)	b_7-NH_3(127) SDLYAEL-28(31) y_6(-31)	y_{15}^{+2}(-5.3)	DSDLYAEL-28(-19) LDSDLYAE-28(-19) y_7(-73)	ESLDSDLYA-28(-19) SLDSDLYAE-28(-19) y_8(-69)	YGKEESLDS(-101) b_9(-101)	y_9(-74)	

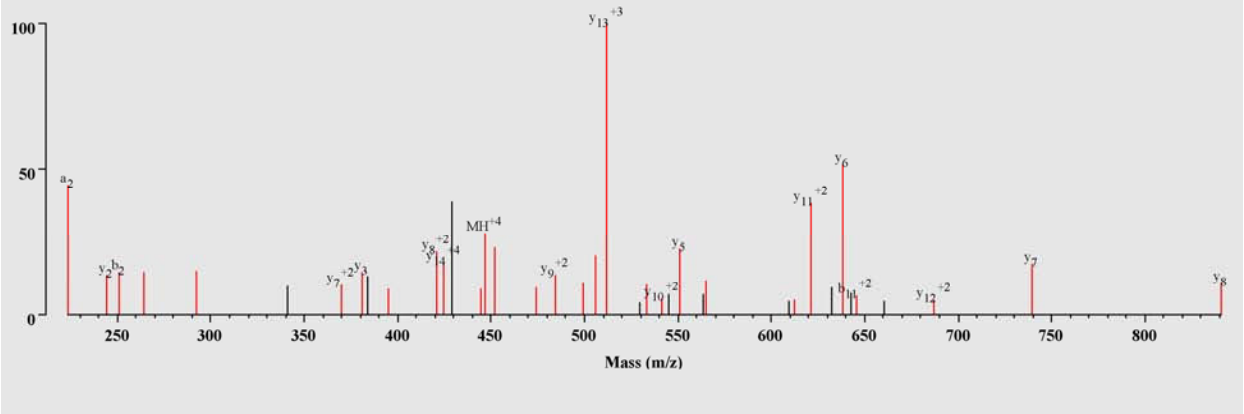
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 17	---	---
251.1026	---	2	Y 16	1887.8971	944.4522
308.1241	---	3	G 15	1724.8337	862.9205
436.2191	218.6132	4	K 14	1667.8123	834.4098
565.2617	283.1345	5	E 13	1539.7173	770.3623
694.3042	347.6558	6	E 12	1410.6747	705.8410
781.3363	391.1718	7	S 11	1281.6321	641.3197
894.4203	447.7138	8	L 10	1194.6001	597.8037
1009.4473	505.2273	9	D 9	1081.5160	541.2617
1096.4793	548.7433	10	S 8	966.4891	483.7482
1211.5063	606.2568	11	D 7	879.4571	440.2322
1324.5903	662.7988	12	L 6	764.4301	382.7187
1487.6536	744.3305	13	Y 5	651.3461	326.1767
1558.6908	779.8490	14	A 4	488.2827	244.6450
1687.7334	844.3703	15	E 3	417.2456	209.1264

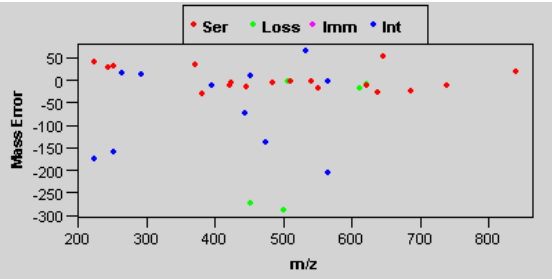
1800.8174	900.9123	16	**L**	2	288.2030	144.6051
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)MC(Carbamidomethyl)IKTTSGIHPK^{+4}



Max Intensity: **11.7**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **83.1%** Matched Series Intensity: **82.4%**



Sequence SYC(Carbamidomethyl)MC(Carbamidomethyl)IKTTSGIHPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C75 H124 N21 O23 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1783.8109	1782.8336	892.4092	891.9204	595.2753	594.9494	446.7083	446.4638

[–] Peak Matches

223.1164	244.1722	251.1103	264.0878	292.0821	341.0591	370.2212	381.2121	384.1908	395.1994
a_2(39) IH-28(-174)	y_2(27)	b_2(31) IH(-159)	MC(Carbamidomethyl)-28 (16) C(Carbamidomethyl)M-28 (16)	MC(Carbamidomethyl) (13) C(Carbamidomethyl)M (13)		y_7^{+2}(34)	y_3(-32)		SGIH(-11)
420.7269	**424.7038**	**428.7367**	**429.2286**	**444.2485**	**446.4572**	**452.1138**	**474.1806**	**484.7776**	**499.5719**
y_8^{+2}(-13)	y_{14}^{+4}(-4.8)			IKTT(-75)	MH^{+4}(-15)	C(Carbamidomethyl)MC (Carbamidomethyl)(10) y_{12}-H_2O^{+3}(-273)	SGIHP-H_2O(-138)	y_9^{+2}(-4.6)	a_8-H_2O^{+2}(-289)
505.5800	**511.5833**	**529.2831**	**533.2923**	**541.3207**	**544.7985**	**551.3207**	**563.7689**	**565.1921**	**609.7950**
y_{13}-H_2O^{+3}(-1.4)	y_{13}^{+3}(-1.9)		MC(Carbamidomethyl)IK (65)	y_{10}^{+2}(-2.1)		y_5(-17)		C(Carbamidomethyl)MC(Carbamidomethyl) I(-1.8) TSGIHP-28(-207)	
612.3215	**621.3301**	**632.3330**	**638.3440**	**642.3551**	**645.3037**	**660.3697**	**686.8402**	**739.4002**	**840.4731**
y_{11}-H_2O^{+2}(-17)	y_6-NH_3(-8.7) y_{11}^{+2}(-11)		y_6(-28)		b_{11}^{+2}(53)		y_{12}^{+2}(-25)	y_7(-13)	y_8(19)

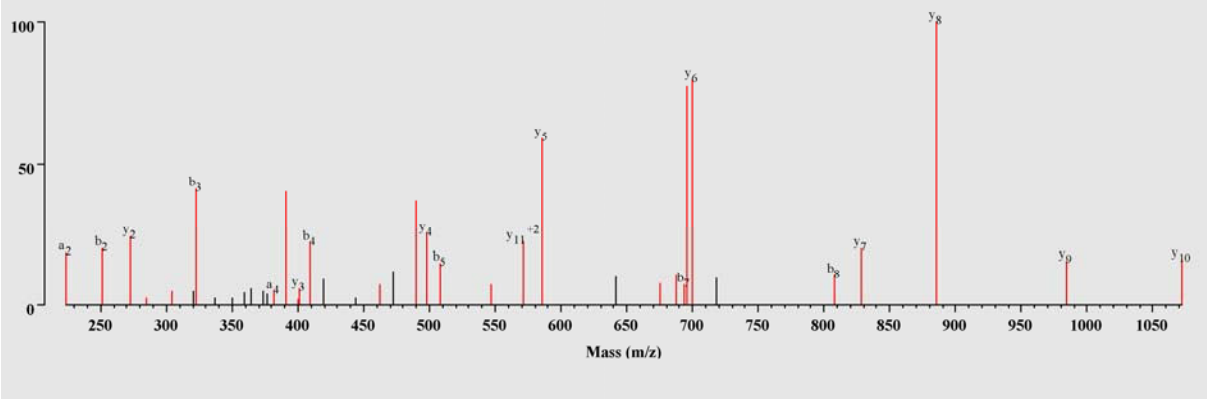
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1695.8015	848.4044
411.1333	---	3	**C(Carbamidomethyl)**	13	1532.7382	766.8727
542.1738	---	4	**M**	12	1372.7076	686.8574
702.2044	---	5	**C(Carbamidomethyl)**	11	1241.6671	621.3372
815.2885	---	6	**I**	10	1081.6364	541.3218
943.3834	472.1954	7	**K**	9	968.5524	484.7798
1044.4311	522.7192	8	**T**	8	840.4574	420.7323
1145.4788	573.2430	9	**T**	7	739.4097	370.2085
1232.5108	616.7591	10	**S**	6	638.3620	319.6847
1289.5323	645.2698	11	**G**	5	551.3300	276.1686
1402.6164	701.8118	12	**I**	4	494.3085	247.6579
1539.6753	770.3413	13	**H**	3	381.2245	191.1159
1636.7280	818.8677	14	**P**	2	244.1656	122.5864

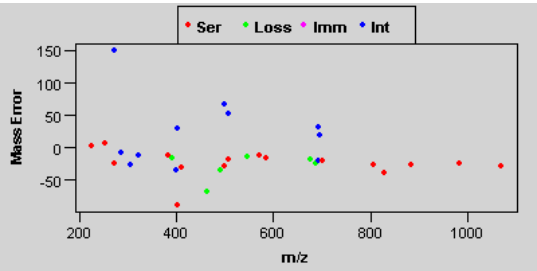
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASVGQDSPEPR^{+2}



Max Intensity: **6.83**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **90.6%** Matched Series Intensity: **90.5%**



Sequence SYASVGQDSPEPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C58 H90 N17 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1393.4614	1392.6390	697.2344	696.8231

[–] Peak Matches

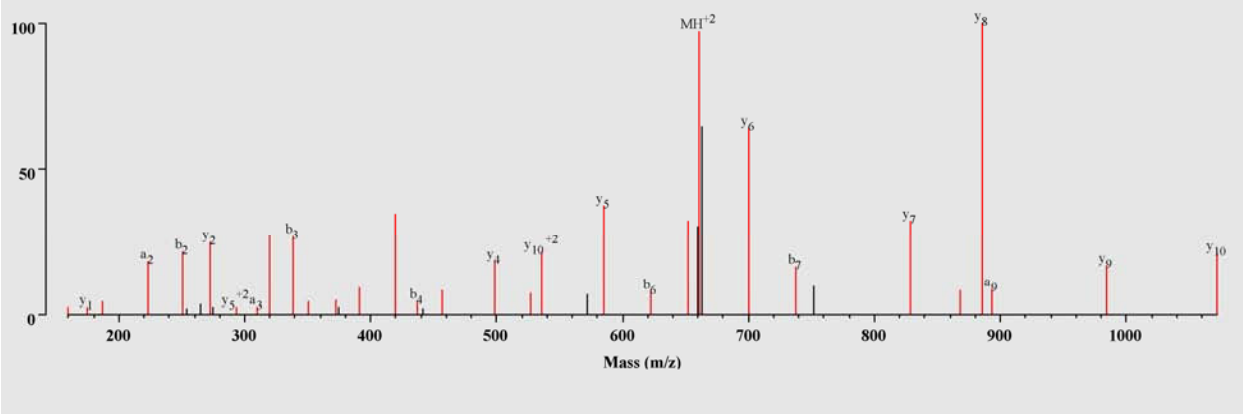
223.1082	251.1042	272.1650	285.1535	304.1210	320.1414	322.1361	337.1497	350.1580	359.2026
a_2(2.2)	b_2(6.2)	DSP-28(150) y_2(-25)	VGQ(-7.8)	b_3-H_2O(-27) YAS-H_2O(-27)		b_3(-11) YAS(-11)			
364.1383	**373.1411**	**376.1806**	**381.1721**	**391.1545**	**400.1689**	**401.1787**	**409.1596**	**419.1722**	**444.2641**
			a_4(-12)	b_4-H_2O(-17)	VGQD(-34) QDSP-28(-34)	DSPE-28(30) y_3(-89)	b_4(-30)		
462.2033	**472.2035**	**490.2127**	**498.2529**	**508.2303**	**547.2430**	**571.7685**	**585.2891**	**641.2991**	**675.2978**
a_5-H_2O(-68)		b_5-H_2O(-35)	DSPEP-28(67) y_4(-28)	DSPEP-H_2O(52) b_5(-19)	b_6-H_2O(-15)	y_{11}^{+2}(-12)	y_5(-17)		b_7-H_2O(-18)
687.8011	**693.3054**	**695.3131**	**700.3113**	**718.3149**	**808.3253**	**828.3535**	**885.3827**	**984.4509**	**1071.4760**
MH-H_2O^{+2}(-24)	GQDSPEP-H_2O(31) b_7(-21) YASVGQD-28(-21)	VGQDSPE-H_2O(20)	y_6(-21)		YASVGQDS(-27) b_8(-27)	y_7(-38)	y_8(-26)	y_9(-24)	y_{10}(-28)

[–] Main Sequence Ions

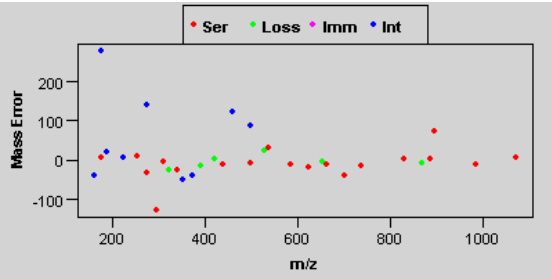
b			y	y^{+2}
---	1	S 13	---	---
251.1026	2	Y 12	1305.6070	653.3071
322.1397	3	A 11	1142.5436	571.7755
409.1718	4	S 10	1071.5065	536.2569
508.2402	5	V 9	984.4745	492.7409
565.2617	6	G 8	885.4061	443.2067
693.3202	7	Q 7	828.3846	414.6959
808.3472	8	D 6	700.3260	350.6667
895.3792	9	S 5	585.2991	293.1532
992.4320	10	P 4	498.2671	249.6372
1121.4746	11	E 3	401.2143	201.1108
1218.5273	12	P 2	272.1717	136.5895
---	13	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVGQDSPEPR^{+2}



Max Intensity: **3.18**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **84.7%** Matched Series Intensity: **81.7%**



Sequence SYSVGQDSPEPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C55 H85 N16 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1322.3821	1321.6019	661.6948	661.3046

[–] **Peak Matches**

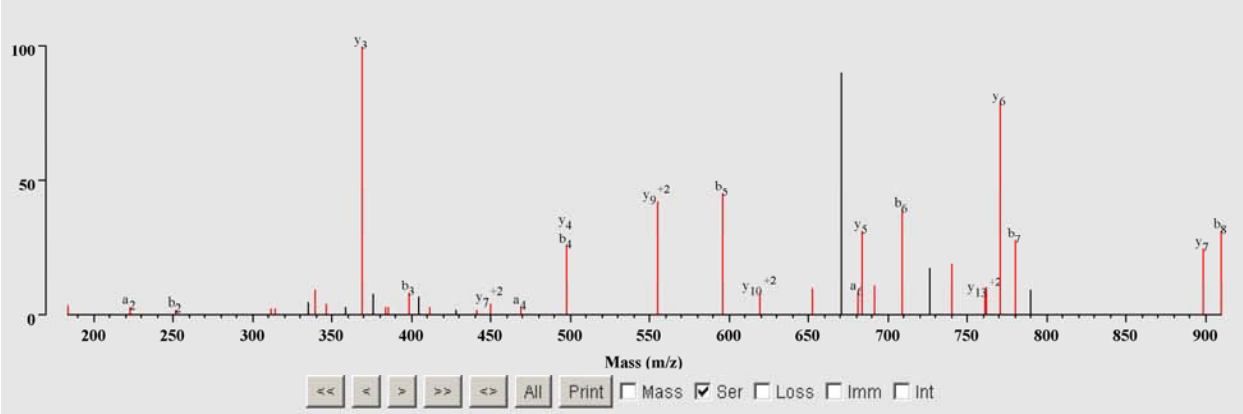
159.1066	175.1200	187.1113	223.1088	251.1048	254.1180	265.1502	272.1624	275.1688	293.1158
SV-28(-39)	DS-28(278) y_1(6.0)	SV(19)	a_2(4.8) YS-28(4.8)	YS(8.6) b_2(8.6)			DSP-28(141) y_2(-34)		y_5^{+2}(-128)
310.1379	**320.1165**	**338.1258**	**350.1532**	**372.1731**	**374.1753**	**391.1923**	**419.1938**	**437.1983**	**441.2072**
a_3(-6.0)	b_3-H_2O(-24)	b_3(-26)	YSV(-51)	VGQD-28(-39) SVGQ(-39)		a_4-H_2O(-14)	b_4-H_2O(3.1)	b_4(-11)	
457.2598	**498.2636**	**527.2640**	**536.2740**	**572.2529**	**585.2913**	**622.2714**	**652.2973**	**659.3047**	**661.2967**
GQDSP-28(122)	DSPEP-28(89) y_4(-7.0)	y_{10}-H_2O^{+2}(23)	y_{10}^{+2}(32)		y_5(-13)	YSVGQD-28(-19) b_6(-19)	MH-H_2O^{+2}(-3.1)		MH^{+2}(-12)
663.3429	**700.2984**	**737.2993**	**752.3306**	**828.3883**	**868.3717**	**885.4077**	**893.4664**	**984.4646**	**1071.5149**
	y_6(-39)	YSVGQDS(-15) b_7(-15)		y_7(4.4)	y_8-NH_3(-9.0)	y_8(1.8)	a_9(74)	y_9(-10)	y_{10}(7.8)

[–] **Main Sequence Ions**

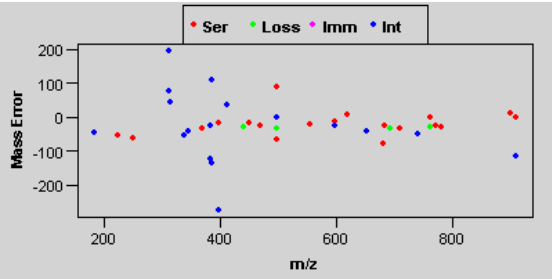
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1234.5699	617.7886
338.1347	3	S	10	1071.5065	536.2569
437.2031	4	V	9	984.4745	492.7409
494.2245	5	G	8	885.4061	443.2067
622.2831	6	Q	7	828.3846	414.6959
737.3101	7	D	6	700.3260	350.6667
824.3421	8	S	5	585.2991	293.1532
921.3949	9	P	4	498.2671	249.6372
1050.4374	10	E	3	401.2143	201.1108
1147.4902	11	P	2	272.1717	136.5895
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)VVIAEPLQSWQPPR^{+3}



Max Intensity: **5.83**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **74.8%** Matched Series Intensity: **74.8%**



Sequence: SYM(Oxidation)VVIAEPLQSWQPPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C92 H142 N23 O26 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2018.1949	2017.0212	1009.6011	1009.0142	673.4032	673.0119

[–] Peak Matches

183.1409	223.0961	251.0868	311.2323	314.1848	335.1718	339.1849	346.1653	358.1902	369.2118
PL-28(-45)	a_2(-52)	b_2(-63)	LQS-H_2O(196) PLQ-28(79)	IAE(44)		PLQ(-52)	M(Oxidation)VV(-41)		y_3(-34)
376.2085	**383.2190**	**385.1930**	**398.1307**	**404.2105**	**411.2380**	**428.2300**	**440.7123**	**449.7234**	**469.1993**
	IAEP-28(-26) AEPL-28(-26) VVIA(-121)	QSW-NH_3(110) SWQ-NH_3(110) VIAE-28(-134)	b_3(-18) PLQS-28(-274)		AEPL(35) IAEP(35)		y_7-H_2O^{+2}(-28)	y_7^{+2}(-15)	a_4(-26)
497.2500	**554.7880**	**596.2673**	**619.3235**	**652.3384**	**670.3578**	**670.8602**	**681.3124**	**683.3448**	**691.3252**
b_4(88) LQSW-H_2O(-1.4) y_8-H_2O^{+2}(-34) y_4(-66)	y_9^{+2}(-19)	b_5(-13) SWQPP(-26)	y_{10}^{+2}(5.9)	IAEPLQ(-43)			a_6(-76)	y_5(-26)	b_6-H_2O(-33)
709.3371	**726.3480**	**740.3352**	**760.9139**	**762.3642**	**770.3743**	**780.3738**	**789.4349**	**898.4636**	**909.4373**
b_6(-31)		PLQSWQ(-51) LQSWQP(-51)	y_{13}^{+2}(-0.93)	b_7-H_2O(-28)	y_6(-26)	b_7(-28)		y_7(12)	b_8(-1.5) VVIAEPLQS-28(-113)

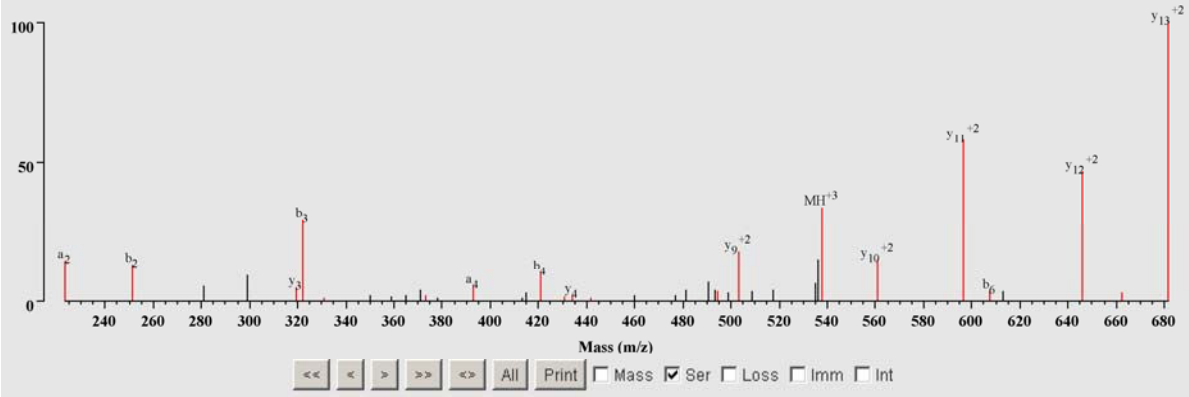
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	17	---	---
251.1026	2	Y	16	1929.9891	965.4982
398.1380	3	M(Oxidation)	15	1766.9258	883.9665
497.2064	4	V	14	1619.8904	810.4488
596.2749	5	V	13	1520.8220	760.9146
709.3589	6	I	12	1421.7536	711.3804
780.3960	7	A	11	1308.6695	654.8384
909.4386	8	E	10	1237.6324	619.3198
1006.4914	9	P	9	1108.5898	554.7985
1119.5755	10	L	8	1011.5370	506.2722
1247.6340	11	Q	7	898.4530	449.7301
1334.6661	12	S	6	770.3944	385.7008
1520.7454	13	W	5	683.3624	342.1848
1648.8040	14	Q	4	497.2831	249.1452
1745.8567	15	P	3	369.2245	185.1159

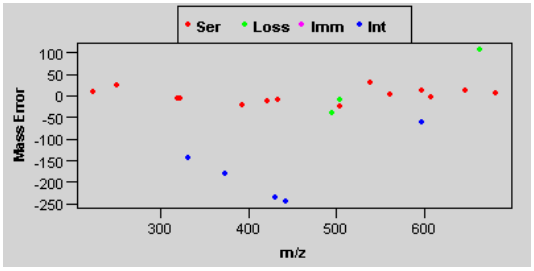
1842.9095	16	**P**	2	272.1717	136.5895
---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVADTRDQADGSR^{+3}



Max Intensity: **13.0**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **81.2%** Matched Series Intensity: **79.7%**



Sequence SYAVADTRDQADGSR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C64 H103 N22 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1612.6628	1611.7358	806.8351	806.3715	538.2259	537.9168

[–] Peak Matches

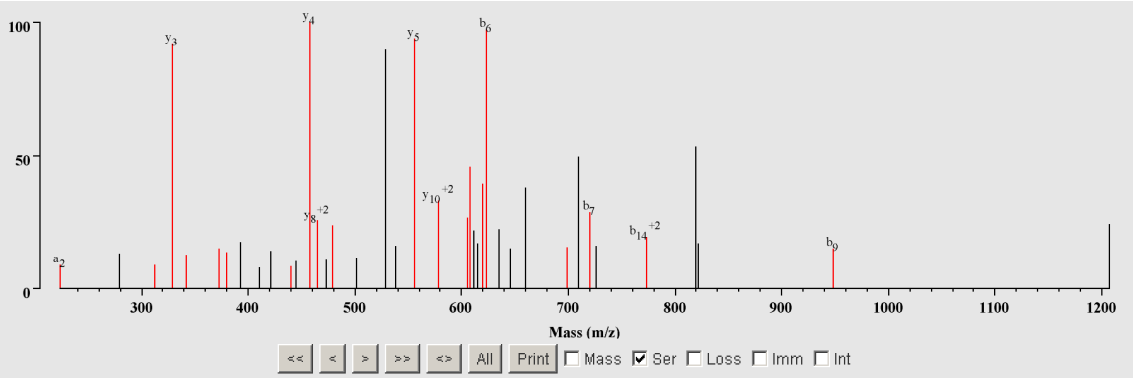
223.1096	251.1087	281.0559	299.0649	319.1700	322.1378	331.0771	350.1580	359.0179	365.1089
a_2(8.4)	b_2(24)			y_3(-7.7)	b_3(-6.0)	ADGS(-144)			
371.1035	**373.1155**	**378.0996**	**393.2051**	**413.3614**	**415.0392**	**421.2036**	**431.0863**	**434.1950**	**442.0484**
	TRD(-181) DTR(-181)		a_4(-21)			b_4(-11)	QADGS-28(-237)	y_4(-10)	QADGS-NH_3(-245)
459.6652	**477.0142**	**481.5501**	**490.5174**	**493.2939**	**494.7056**	**499.0201**	**503.2265**	**508.4674**	**517.6216**
					y_9-NH_3^{+2}(-41)		y_{14}-NH_3^{+3}(-8.0) y_9^{+2}(-25)		
535.2545	**536.2367**	**537.9324**	**560.7546**	**596.2790**	**607.2708**	**612.8278**	**645.8131**	**662.3854**	**681.3276**
		MH^{+3}(29)	y_{10}^{+2}(3.7)	y_{11}^{+2}(13) AVADTR-H_2O(-61)	b_6(-2.3)		y_{12}^{+2}(12)	a_7-H_2O(107)	y_{13}^{+2}(5.5)

[–] Main Sequence Ions

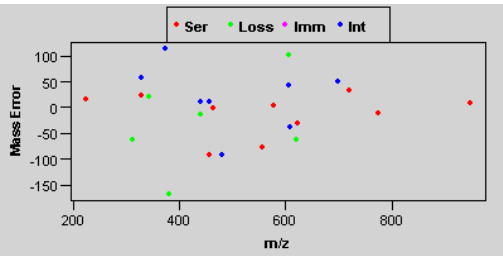
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1524.7037	762.8555
322.1397	---	3	A	13	1361.6404	681.3238
421.2082	---	4	V	12	1290.6033	645.8053
492.2453	---	5	A	11	1191.5349	596.2711
607.2722	---	6	D	10	1120.4978	560.7525
708.3199	---	7	T	9	1005.4708	503.2390
864.4210	432.7141	8	R	8	904.4231	452.7152
979.4480	490.2276	9	D	7	748.3220	374.6646
1107.5065	554.2569	10	Q	6	633.2951	317.1512
1178.5436	589.7755	11	A	5	505.2365	253.1219
1293.5706	647.2889	12	D	4	434.1994	217.6033
1350.5920	675.7997	13	G	3	319.1724	160.0899
1437.6241	719.3157	14	S	2	262.1510	131.5791
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLATSPLDQQDVKPGR^{+3}



Max Intensity: **1.55**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **60.2%** Matched Series Intensity: **58.9%**



Sequence SYLATSPLDQQDVKPGR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C81 H132 N23 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1876.0890	1874.9607	938.5482	937.9840	626.0346	625.6584

[–] **Peak Matches**

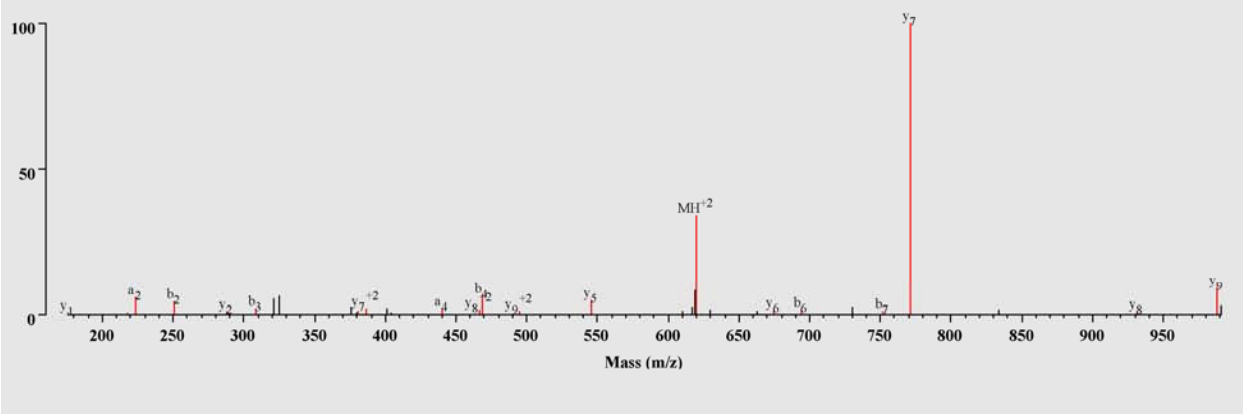
223.1113	279.1717	312.1469	329.2010	342.1842	372.1938	380.1359	392.2409	410.2277	420.7330
a_2(16)		y_3-NH_3(-63)	LDQ-28(58) ATSP-28(58) y_3(24)	y_9-H_2O^{+3}(20)	DQQ(114) QQD(114)	y_{10}-NH_3^{+3}(-168)			
440.2556	**445.2579**	**457.2454**	**464.2537**	**473.2320**	**479.2171**	**501.1809**	**528.7841**	**537.7531**	**556.3145**
DVKP(12) y_4-NH_3(-14)		LDQQ-28(11) y_4(-93)	y_8^{+2}(-0.57)		DVKPG-H_2O(-92)				y_5(-76)
578.3113	**605.3547**	**607.2959**	**611.6298**	**614.5871**	**619.6157**	**622.8449**	**623.2843**	**634.8676**	**645.3404**
y_{10}^{+2}(3.2)	b_6-H_2O(102) YLATSP-28(42)	QDVKPG-H_2O(-39)			MH-H_2O^{+3}(-63)		b_6(-31)		
660.3175	**699.3651**	**709.8631**	**720.3810**	**726.4110**	**773.8829**	**819.4051**	**821.4327**	**948.4755**	**1206.5277**
	LDQQDV(49)		b_7(34)		b_{14}^{+2}(-10)			b_9(8.7)	

[–] **Main Sequence Ions**

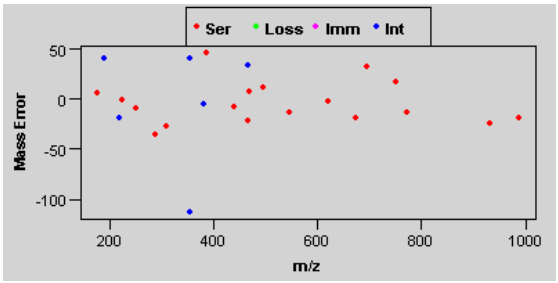
b	b^{+2}			y	y^{+2}
---	---	1	**S** 17	---	---
251.1026	---	2	**Y** 16	1787.9286	894.4680
364.1867	---	3	**L** 15	1624.8653	812.9363
435.2238	---	4	**A** 14	1511.7812	756.3943
536.2715	---	5	**T** 13	1440.7441	720.8757
623.3035	---	6	**S** 12	1339.6965	670.3519
720.3563	---	7	**P** 11	1252.6644	626.8359
833.4403	---	8	**L** 10	1155.6117	578.3095
948.4673	---	9	**D** 9	1042.5276	521.7674
1076.5259	---	10	**Q** 8	927.5007	464.2540
1204.5844	---	11	**Q** 7	799.4421	400.2247
1319.6114	---	12	**D** 6	671.3835	336.1954
1418.6798	---	13	**V** 5	556.3566	278.6819
1546.7748	773.8910	14	**K** 4	457.2881	229.1477
1643.8275	822.4174	15	**P** 3	329.1932	165.1002
1700.8490	850.9281	16	**G** 2	232.1404	116.5738
---	---	17	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGC(Carbamidomethyl)PEGAELR^{+2}



Max Intensity: **13.7**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **81.7%** Matched Series Intensity: **78.4%**



Sequence: SYGC(Carbamidomethyl)PEGAELR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H80 N15 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1239.1920	1238.5470	620.0997	619.7771

[–] Peak Matches

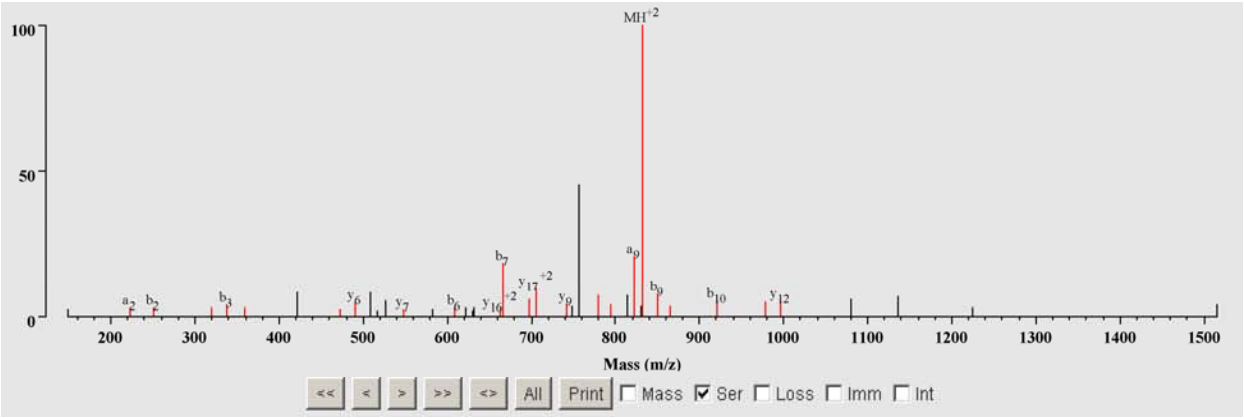
175.1200	190.0723	201.0185	218.0552	223.1074	251.1003	288.1926	308.1159	321.1249	325.1488
y_1(6.0)	GC(Carbamidomethyl)-28(41)		GC(Carbamidomethyl)(-19)	a_2(-1.4)	b_2(-9.3)	y_2(-36)	b_3(-27)		
353.1421	**360.0808**	**374.2577**	**376.2103**	**379.2143**	**381.1207**	**384.1441**	**386.2210**	**401.2246**	**404.2257**
YGC(Carbamidomethyl)-28(40) GAEL-H_2O(-113)					YGC(Carbamidomethyl)(-5.3)		y_7^{+2}(46)		
440.1561	**466.2087**	**468.1584**	**494.7352**	**545.2963**	**610.2927**	**617.1513**	**618.7984**	**619.7759**	**629.3322**
a_4(-8.5)	PEGAE-H_2O(33) y_8^{+2}(-22)	b_4(7.8)	y_9^{+2}(12)	y_5(-14)				MH^{+2}(-2.0)	
663.3380	**674.3337**	**694.2724**	**730.3380**	**751.2847**	**771.3887**	**833.3893**	**931.4074**	**988.4333**	**990.4817**
	y_6(-19)	b_6(32)		b_7(17)	y_7(-14)		y_8(-24)	y_9(-19)	

[–] Main Sequence Ions

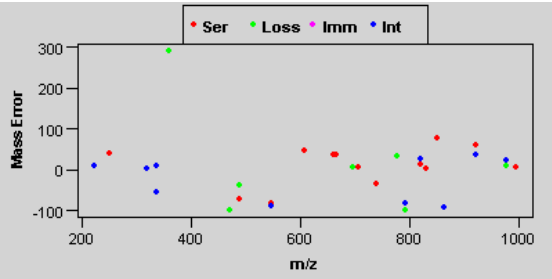
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1151.5150	576.2611
308.1241	3	G	9	988.4517	494.7295
468.1547	4	C(Carbamidomethyl)	8	931.4302	466.2187
565.2075	5	P	7	771.3995	386.2034
694.2501	6	E	6	674.3468	337.6770
751.2716	7	G	5	545.3042	273.1557
822.3087	8	A	4	488.2827	244.6450
951.3513	9	E	3	417.2456	209.1264
1064.4353	10	L	2	288.2030	144.6051
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSSPGSPAHGGGGGGSR^{+2}



Max Intensity: **13.1**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **66.2%** Matched Series Intensity: **48.5%**



Sequence SYSSSPGSPAHGGGGGGSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C66 H101 N24 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1662.6825	1661.7263	831.8450	831.3668

[–] Peak Matches

148.0352	223.1095	251.1130	320.1246	338.1384	359.2719	421.1713	472.1796	490.2023	508.2105
	a_2(8.0) YS-28(8.0)	YS(41) b_2(41)	b_3-H_2O(1.6) YSS-H_2O(1.6)	b_3(11) YSS(11) HGGGG-28(-55)	y_4-NH_3(291)		y_6-H_2O(-99)	y_{12}-NH_3^{+2}(-37) y_6(-70)	
517.2987	**526.2135**	**547.2140**	**583.2309**	**609.2799**	**622.2403**	**630.3472**	**631.8212**	**662.8267**	**666.2983**
		y_7(-81) PGSPAH(-88)		b_6(47)				y_{16}^{+2}(36)	YSSSPGS(38) b_7(38)
697.3186	**706.3241**	**741.3126**	**747.8666**	**756.8533**	**779.3645**	**794.2885**	**813.3599**	**822.3723**	**830.4469**
y_{17}-H_2O^{+2}(6.9)	y_{17}^{+2}(7.1)	y_9(-35)			y_{18}-NH_3^{+2}(35)	SPAHGGGGGGS-28(-82) y_{10}-H_2O(-97)		SPAHGGGGGGS(28) MH-H_2O^{+2}(13) a_9(12)	
831.3690	**850.4251**	**865.3015**	**921.4515**	**978.4605**	**996.4671**	**1079.5112**	**1136.5086**	**1224.5767**	**1514.6125**
MH^{+2}(2.7)	b_9(79)	SSSPGSPAHG(-91)	b_{10}(61) SSPGSPAHGGGG-28(37)	SSPGSPAHGGGGG-28(22) y_{12}-H_2O(11)	y_{12}(6.5)				

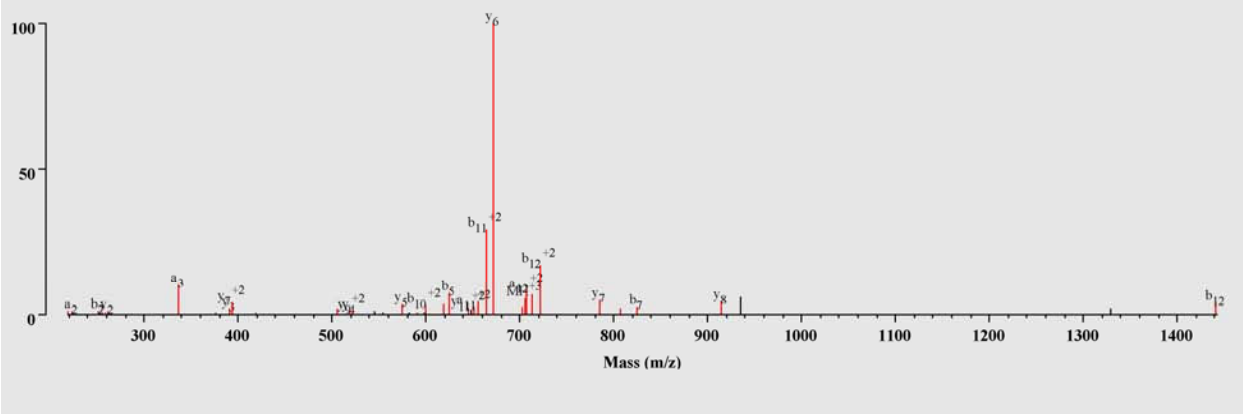
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	19 ---	---
251.1026	---	2	Y	18 1574.6942	787.8507
338.1347	---	3	S	17 1411.6309	706.3191
425.1667	---	4	S	16 1324.5989	662.8031
512.1987	---	5	S	15 1237.5668	619.2871
609.2515	---	6	P	14 1150.5348	575.7710
666.2729	---	7	G	13 1053.4820	527.2447
753.3050	---	8	S	12 996.4606	498.7339
850.3577	---	9	P	11 909.4286	455.2179
921.3949	---	10	A	10 812.3758	406.6915
1058.4538	529.7305	11	H	9 741.3387	371.1730
1115.4752	558.2413	12	G	8 604.2798	302.6435
1172.4967	586.7520	13	G	7 547.2583	274.1328
1229.5182	615.2627	14	G	6 490.2368	245.6221
1286.5396	643.7734	15	G	5 433.2154	217.1113
1343.5611	672.2842	16	G	4 376.1939	188.6006

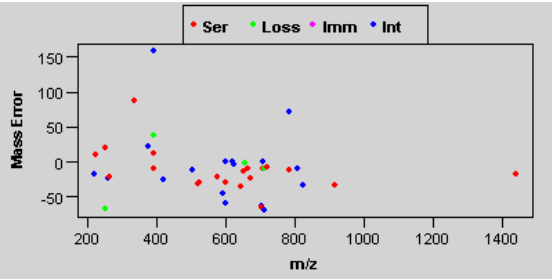
1400.5825	700.7949	17	**G**	3	319.1724	160.0899
1487.6146	744.3109	18	**S**	2	262.1510	131.5791
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNMKSISC(Carbamidomethyl)QEIPGQQSR^{+3}



Max Intensity: **29.1**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **94.7%** Matched Series Intensity: **94.5%**



Sequence: SYNMKSISC(Carbamidomethyl)QEIPGQQSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C86 H142 N27 O31 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2114.2129	2112.9801	1057.6101	1056.9937	705.4092	704.9982

[–] Peak Matches

218.0919	223.1099	251.1077	258.1022	262.1455	337.1800	376.1369	390.2061	393.2217	418.1281
NM-28(-18)	a_2(9.8)	b_2(20) y_4-NH_3^{+2}(-67)	QE(-24)	y_2(-21)	a_3(87)	SC(Carbamidomethyl)Q(22)	C(Carbamidomethyl)QE-28(159) a_7-NH_3^{+2}(38) y_3(-8.9)	y_7^{+2}(12)	C(Carbamidomethyl)QE(-26)
505.1655	**518.2520**	**521.7524**	**544.7501**	**554.7775**	**575.2770**	**582.7646**	**590.2339**	**598.7831**	**600.2453**
SC(Carbamidomethyl)QE(-11)	y_4(-31)	y_9^{+2}(-29)			y_5(-22)		SC(Carbamidomethyl)QEI-28(-45) ISC(Carbamidomethyl)QE-28(-45)		SC(Carbamidomethyl)QEI-H_2O(1.1) ISC(Carbamidomethyl)QE-H_2O(1.1) b_{10}^{+2}(-29) C(Carbamidomethyl)QEIP-28(-59)
618.2549	**624.2794**	**645.2755**	**647.7781**	**650.7779**	**655.7777**	**664.7778**	**672.3267**	**703.2999**	**704.9534**
SC(Carbamidomethyl)QEI(-0.47) ISC(Carbamidomethyl)QE(-0.47)	b_5(-2.6) YNMKS(-2.6)	y_{11}^{+2}(-36)		a_{11}^{+2}(-13)	b_{11}-H_2O^{+2}(-1.7)	b_{11}^{+2}(-9.5)	y_6(-23)	ISC(Carbamidomethyl)QEI-28(-63)	MH^{+3}(-64)
707.3213	**712.3136**	**721.3211**	**785.4173**	**806.3781**	**824.3701**	**914.4380**	**934.4242**	**1329.5194**	**1441.6211**
MKSISC(Carbamidomethyl)(-0.27) a_{12}^{+2}(-10)	b_{12}-H_2O^{+2}(-10) EIPGQQS-28(-69)	b_{12}^{+2}(-7.0)	C(Carbamidomethyl)QEIPGQ-28(72) y_7(-12)	b_7-H_2O(-10) YNMKSIS-H_2O(-10)	b_7(-33) YNMKSIS(-33)	y_8(-34)			b_{12}(-17)

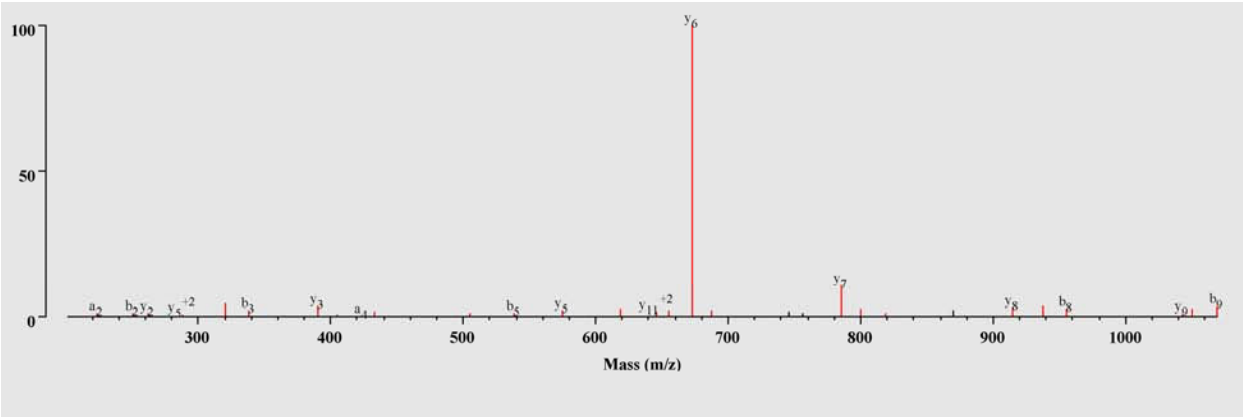
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	18	---	---
251.1026	---	2	Y	17	2025.9481	1013.4777
365.1456	---	3	N	16	1862.8847	931.9460
496.1860	---	4	M	15	1748.8418	874.9245
624.2810	312.6441	5	K	14	1617.8013	809.4043
711.3130	356.1602	6	S	13	1489.7064	745.3568
824.3971	412.7022	7	I	12	1402.6743	701.8408
911.4291	456.2182	8	S	11	1289.5903	645.2988
1071.4598	536.2335	9	C(Carbamidomethyl)	10	1202.5582	601.7828
1199.5184	600.2628	10	Q	9	1042.5276	521.7674

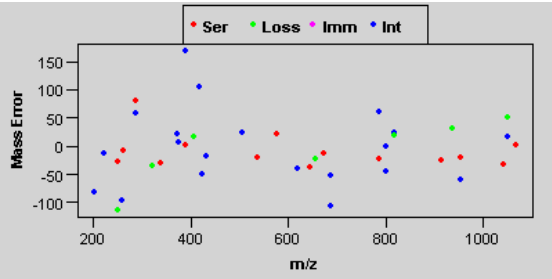
1328.5609	664.7841	11	**E**	8	914.4690	457.7381
1441.6450	721.3261	12	**I**	7	785.4264	393.2169
1538.6978	769.8525	13	**P**	6	672.3424	336.6748
1595.7192	798.3633	14	**G**	5	575.2896	288.1484
1723.7778	862.3925	15	**Q**	4	518.2681	259.6377
1851.8364	926.4218	16	**Q**	3	390.2096	195.6084
1938.8684	969.9378	17	**S**	2	262.1510	131.5791
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSISC(Carbamidomethyl)QEIPGQQSR^{+2}



Max Intensity: **15.2**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **96.4%** Matched Series Intensity: **96.4%**



Sequence: SYSISC(Carbamidomethyl)QEIPGQQSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C71 H115 N22 O27 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1740.7354	1739.8017	870.8714	870.4045

[–] Peak Matches

201.1071	223.1046	251.0958	258.0835	262.1487	288.1717	302.0881	320.1131	337.1484	338.1241
SI(-81) IS(-81)	a_2(-14) YS-28(-14)	YS(-27) b_2(-27) y_4-NH_3^{+2}(-114)	QE(-97)	y_2(-8.7)	y_5^{+2}(81) SIS(57)		b_3-H_2O(-34)		b_3(-31)
341.0911	**371.2005**	**376.1314**	**389.1376**	**390.2101**	**405.2197**	**418.1828**	**423.2032**	**424.2319**	**433.1998**
	QEI(22)	SC(Carbamidomethyl) Q(7.6)		C(Carbamidomethyl) QE-28(169) y_3(1.4)	a_4-H_2O (16)	C(Carbamidomethyl)QE (105)	a_4(-49) YSIS-28(-49)		b_4-H_2O(- 19) YSIS-H_2O (-19)
505.1836	**538.2398**	**575.3023**	**618.2310**	**645.2744**	**655.3007**	**672.3336**	**687.2399**	**745.8283**	**756.3027**
SC(Carbamidomethyl) QE(25)	b_5(-20)	y_5(22)	ISC (Carbamidomethyl)QE (-39) SC(Carbamidomethyl) QEI(-39)	y_{11}^{+2}(-38)	y_6-NH_3(- 23)	y_6(-13)	SISC(Carbamidomethyl) QE-H_2O(-53) SC(Carbamidomethyl) QEIP-28(-106)		
785.4084	**800.3601**	**818.3907**	**869.4068**	**914.4451**	**937.4024**	**955.3621**	**1042.4938**	**1050.5098**	**1068.4683**
C(Carbamidomethyl) QEIPGQ-28(60) y_7(-23)	SISC(Carbamidomethyl) QEI-H_2O(-0.77) ISC(Carbamidomethyl) QEIP-28(-46)	SISC (Carbamidomethyl)QEI (24) y_{14}-NH_3^{+2}(19)		y_8(-26)	b_8-H_2O (32)	b_8(-21) SISC(Carbamidomethyl) QEIPG-NH_3(-60)	y_9(-32)	b_9-H_2O(51) YSISC (Carbamidomethyl) QEIP-28(16)	b_9(1.6)

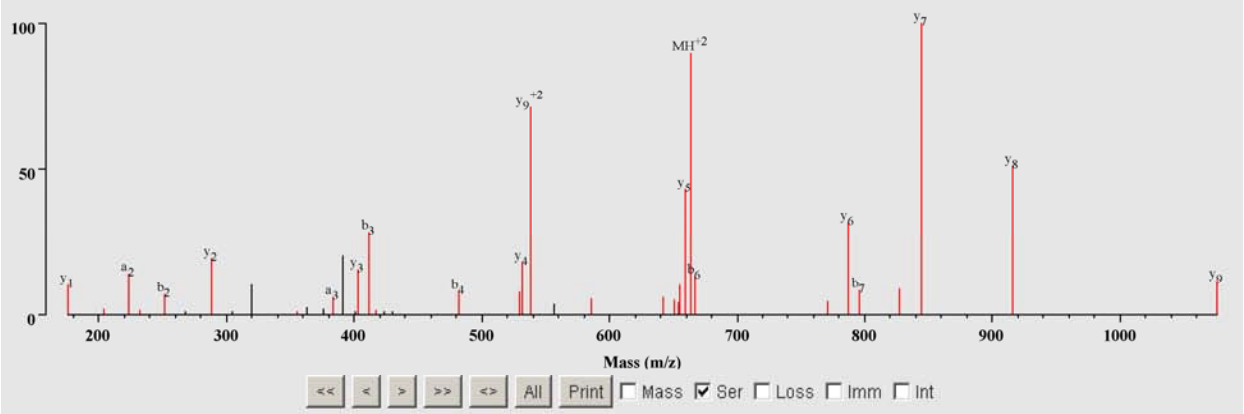
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	15	---	---
251.1026	2	Y	14	1652.7697	826.8885
338.1347	3	S	13	1489.7064	745.3568
451.2187	4	I	12	1402.6743	701.8408
538.2508	5	S	11	1289.5903	645.2988
698.2814	6	C(Carbamidomethyl)	10	1202.5582	601.7828
826.3400	7	Q	9	1042.5276	521.7674
955.3826	8	E	8	914.4690	457.7381
1068.4666	9	I	7	785.4264	393.2169
1165.5194	10	P	6	672.3424	336.6748
1222.5409	11	G	5	575.2896	288.1484
1350.5994	12	Q	4	518.2681	259.6377

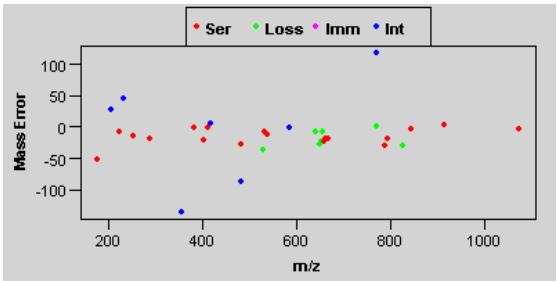
1478.6580	13	**Q**	3	390.2096	195.6084
1565.6900	14	**S**	2	262.1510	131.5791
---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)AGQQQDIR^{+2}



Max Intensity: **8.12**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **93.2%** Matched Series Intensity: **91.9%**



Sequence: SYC(Carbamidomethyl)AGQQQDIR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C53 H85 N18 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1326.2737	1325.5903	663.6406	663.2988

[–] Peak Matches

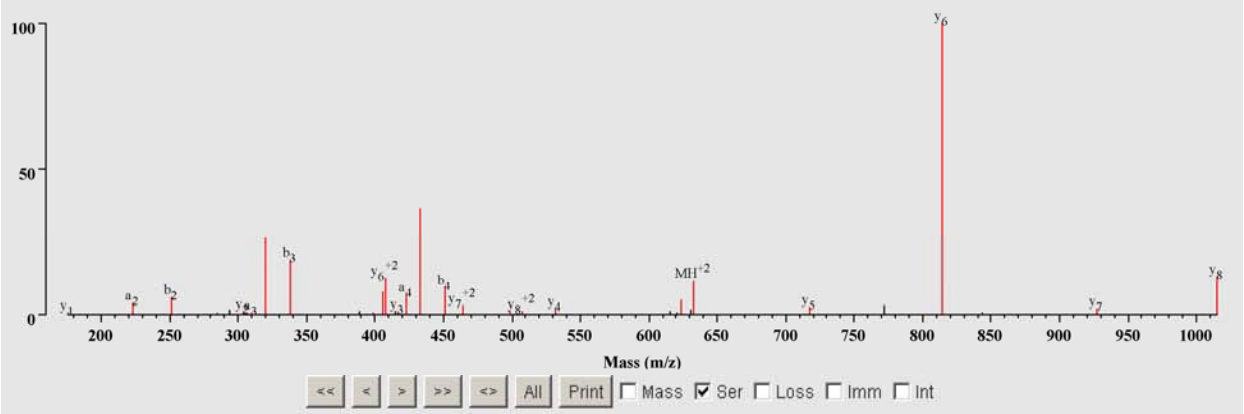
175.1099	204.0858	223.1060	232.0858	251.0988	268.1332	288.1974	304.1034	320.1131	355.0764
y_1(-52)	C(Carbamidomethyl)A-28(28)	a_2(-7.7)	C(Carbamidomethyl)A(46)	b_2(-15)		y_2(-19)			QQD-NH_3(-136)
363.1496	**376.1461**	**383.1375**	**391.1567**	**401.1487**	**403.2216**	**411.1324**	**417.1576**	**423.1448**	**430.2008**
		a_3(-2.3)			y_3(-21)	b_3(-2.1)	C(Carbamidomethyl)AGQ(6.0)		
482.1570	**529.7185**	**531.2838**	**538.2442**	**556.2227**	**585.2982**	**642.3156**	**650.2055**	**654.2786**	**654.7799**
b_4(-28) QQQD-H_2O(-88)	y_9-NH_3^{+2}(-36)	y_4(-8.9)	y_9^{+2}(-13)		QQQDI-28(-1.5)	GQQQDI-28(-7.7) y_5-NH_3(-7.7)	b_6-NH_3(-28)	MH-H_2O^{+2}(-23)	MH-NH_3^{+2}(-8.6)
659.3315	**663.2868**	**667.2368**	**770.3796**	**787.3832**	**795.2938**	**827.3752**	**844.4237**	**915.4672**	**1075.4906**
y_5(-24)	MH^{+2}(-18)	b_6(-20)	C(Carbamidomethyl)AGQQQD-H_2O(118) y_6-NH_3(0.59)	y_6(-29)	b_7(-19)	y_7-NH_3(-31)	y_7(-4.1)	y_8(3.2)	y_9(-4.0)

[–] Main Sequence Ions

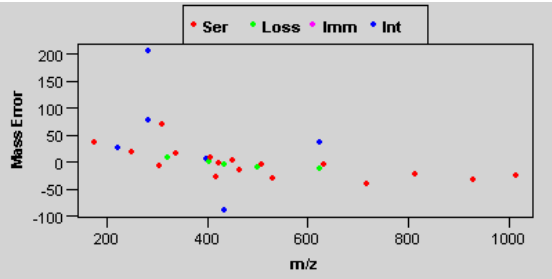
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1238.5582	619.7828
411.1333	3	C(Carbamidomethyl)	9	1075.4949	538.2511
482.1704	4	A	8	915.4643	458.2358
539.1919	5	G	7	844.4272	422.7172
667.2504	6	Q	6	787.4057	394.2065
795.3090	7	Q	5	659.3471	330.1772
923.3676	8	Q	4	531.2885	266.1479
1038.3945	9	D	3	403.2300	202.1186
1151.4786	10	I	2	288.2030	144.6051
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSIPWNLER^{+2}



Max Intensity: **176**
Num Matched: **26/35 (25.7% unmatched)** Matched Intensity: **95.4%** Matched Series Intensity: **95.1%**



Sequence SYSIPWNLER
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C58 H86 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1265.4198	1264.6321	633.2136	632.8197

[–] **Peak Matches**

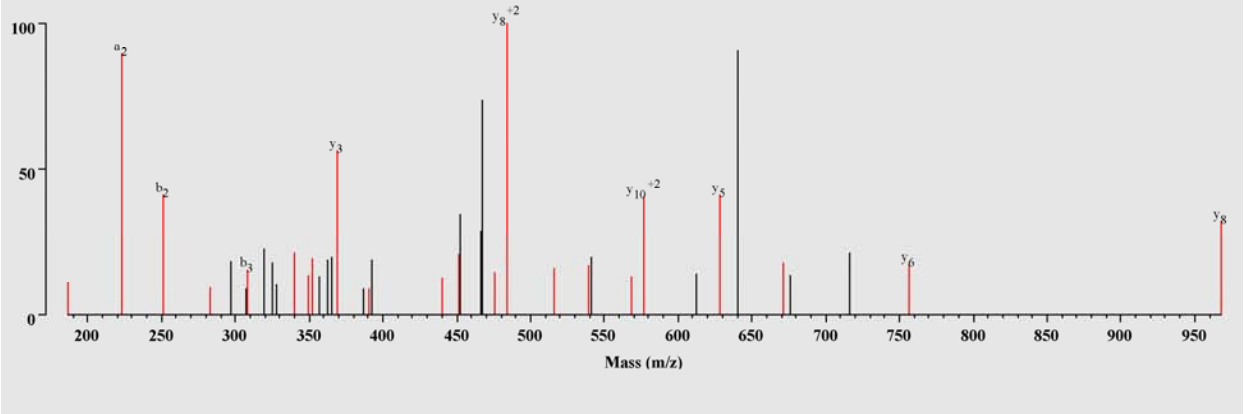
175.1255	223.1136	251.1073	284.1615	294.1511	304.1596	310.1618	320.1270	338.1400	388.1854
y_1(37)	a_2(26) YS-28(26)	YS(19) b_2(19)	WN-NH_3(206) PW(78)		y_2(-6.4)	a_3(71)	b_3-H_2O(9.1)	b_3(16)	
398.1849	**405.2139**	**407.7171**	**415.1995**	**417.2344**	**423.2229**	**433.2060**	**451.2208**	**464.2491**	**498.7621**
PWN(6.6)	a_4-H_2O(1.6)	y_6^{+2}(7.7)		y_3(-27)	a_4(-2.2)	b_4-H_2O(-5.0) YSIP-28(-89)	b_4(4.6)	y_7^{+2}(-15)	y_8-H_2O^{+2}(-9.2)
507.7697	**531.2727**	**615.3037**	**620.6627**	**623.3061**	**623.8070**	**630.3095**	**632.3330**	**632.8162**	**717.3395**
y_8^{+2}(-4.5)	y_4(-30)			PWNLE-NH_3(38)	MH-H_2O^{+2}(-12)			MH^{+2}(-5.5)	y_5(-40)
771.8341	**814.4024**	**843.3574**	**927.4754**	**1014.5120**					
	y_6(-22)		y_7(-32)	y_8(-24)					

[–] **Main Sequence Ions**

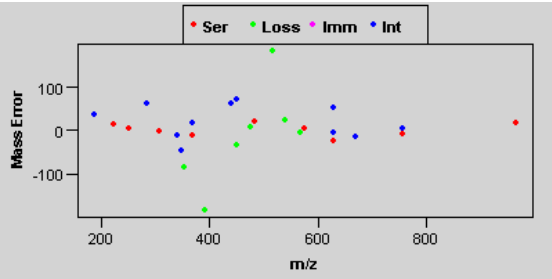
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1177.6000	589.3037
338.1347	3	S	1014.5367	507.7720
451.2187	4	I	927.5047	464.2560
548.2715	5	P	814.4206	407.7139
734.3508	6	W	717.3678	359.1876
848.3937	7	N	531.2885	266.1479
961.4778	8	L	417.2456	209.1264
1090.5204	9	E	304.1615	152.5844
---	10	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGQPNQC(Carbamidomethyl)VGHR^{+3}



Max Intensity: **3.77**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **58.1%** Matched Series Intensity: **58.1%**



Sequence: SYGQPNQC(Carbamidomethyl)VGHR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H88 N21 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1403.3628	1402.6281	702.1851	701.8177	468.4592	468.2142

[–] Peak Matches

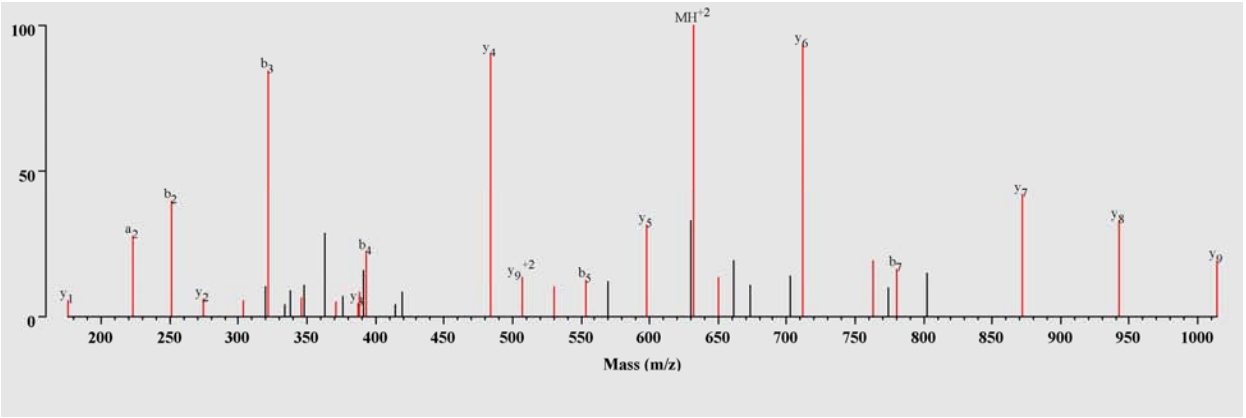
186.0944	**223.1110**	**251.1042**	**283.1575**	**297.1169**	**307.1376**	**308.1237**	**319.1734**	**325.1535**	**328.1180**
GQ(38)	a_2(15)	b_2(6.2)	GQP(62)			b_3(-1.3)			
340.1578	**349.1351**	**352.1428**	**357.1838**	**362.0858**	**365.0981**	**369.1952**	**387.1382**	**390.1050**	**392.1435**
QPN(-11) PNQ(-11)	YGQ(-45)	y_3-NH_3(-85)				GQPN-28(19) y_3(-11)		a_4-H_2O(-185)	
440.2535	**451.2256**	**452.1371**	**466.1922**	**467.2105**	**475.7210**	**484.2395**	**516.3045**	**539.7582**	**541.2788**
QPNQ-28(64)	QPNQ-NH_3(71) y_4-NH_3(-35)				y_8-NH_3^{+2}(9.1)	y_8^{+2}(20)	b_5-NH_3(185)	y_9-NH_3^{+2}(23)	
568.2545	**576.7722**	**612.3499**	**628.2833**	**640.3335**	**671.2675**	**676.3042**	**716.2311**	**756.3501**	**967.4693**
y_{10}-NH_3^{+2}(-3.9)	y_{10}^{+2}(3.8)		QPNQC(Carbamidomethyl)(52) PNQC(Carbamidomethyl)VG-28(-6.1) y_5(-24)		YGQPNQ-NH_3(-16)			QPNQC(Carbamidomethyl)VG-28(5.8) GQPNQC(Carbamidomethyl)V-28(5.8) y_6(-9.1)	y_8(17)

[–] Main Sequence Ions

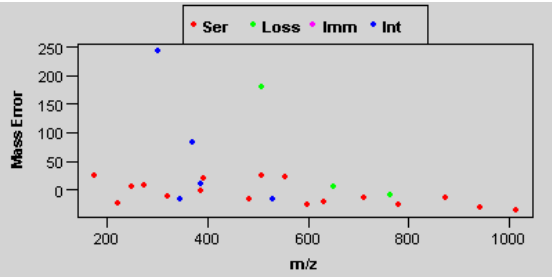
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1315.5960	658.3017
308.1241	---	3	G	10	1152.5327	576.7700
436.1827	---	4	Q	9	1095.5112	548.2593
533.2354	---	5	P	8	967.4527	484.2300
647.2784	---	6	N	7	870.3999	435.7036
775.3369	---	7	Q	6	756.3570	378.6821
935.3676	---	8	C(Carbamidomethyl)	5	628.2984	314.6528
1034.4360	---	9	V	4	468.2677	234.6375
1091.4575	---	10	G	3	369.1993	185.1033
1228.5164	614.7618	11	H	2	312.1779	156.5926
---	---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAC(Carbamidomethyl)NLPIVR^{+2}



Max Intensity: **4.88**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **77.1%** Matched Series Intensity: **74.3%**



Sequence: SYAAC(Carbamidomethyl)NLPIVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H91 N16 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1264.3328	1263.6514	632.6701	632.3293

[–] Peak Matches

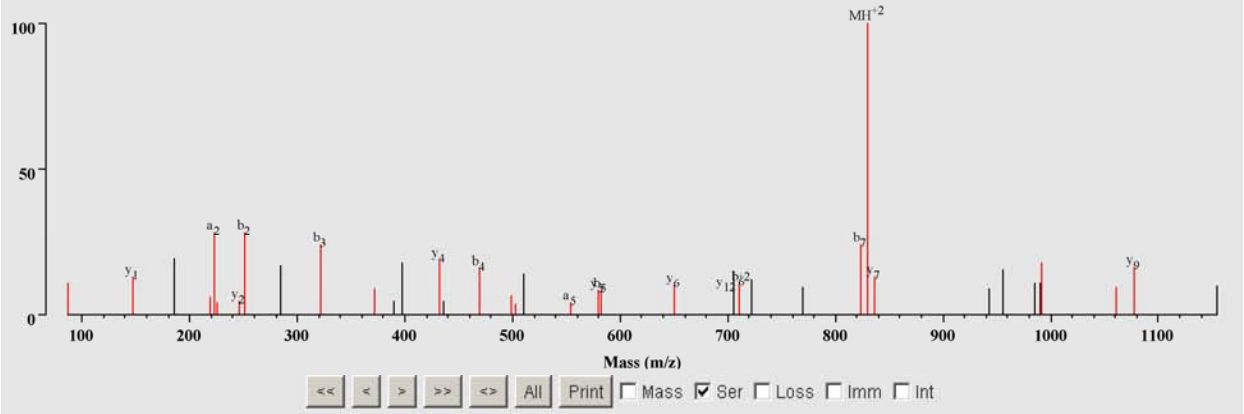
175.1231	**223.1026**	**251.1042**	**274.1894**	**303.1859**	**320.1245**	**322.1361**	**334.1342**	**338.1271**	**346.1121**
y_1(24)	a_2(-23)	b_2(6.2)	y_2(7.4)	AAC(Carbamidomethyl)(243)		b_3(-11)			AC(Carbamidomethyl)N(-17)
348.1312	**363.1871**	**371.1691**	**376.1989**	**387.2704**	**388.1688**	**391.1788**	**393.1845**	**414.2047**	**419.1915**
		C(Carbamidomethyl)NL-NH_3(83)		y_3(-2.7)	C(Carbamidomethyl)NL(10)		b_4(19)		
484.3166	**507.2940**	**530.2305**	**553.2199**	**569.3019**	**597.3935**	**630.3086**	**632.3158**	**650.2274**	**661.2702**
y_4(-16)	a_5-H_2O(181) y_9^{+2}(24)	AAC(Carbamidomethyl)NL(-16)	b_5(22)		y_5(-25)		MH^{+2}(-21)	b_6-NH_3(5.4)	
673.3512	**702.3818**	**711.4414**	**763.3006**	**774.3654**	**780.3136**	**802.4051**	**871.4685**	**942.4903**	**1013.5198**
		y_6(-14)	b_7-NH_3(-9.6)		b_7(-27)		y_7(-15)	y_8(-30)	y_9(-36)

[–] Main Sequence Ions

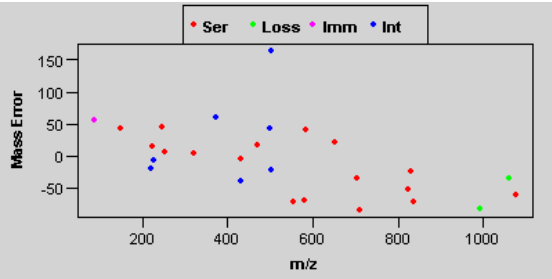
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1176.6194	588.8133
322.1397	3	A	9	1013.5561	507.2817
393.1769	4	A	8	942.5189	471.7631
553.2075	5	C(Carbamidomethyl)	7	871.4818	436.2446
667.2504	6	N	6	711.4512	356.2292
780.3345	7	L	5	597.4083	299.2078
877.3873	8	P	4	484.3242	242.6657
990.4713	9	I	3	387.2714	194.1394
1089.5397	10	V	2	274.1874	137.5973
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAFIQLWAFDAVK^{+2}



Max Intensity: **2.03**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **68.8%** Matched Series Intensity: **60.4%**



Sequence: SYAFIQLWAFDAVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C82 H116 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1659.9372	1658.8577	830.4723	829.9325

[–] **Peak Matches**

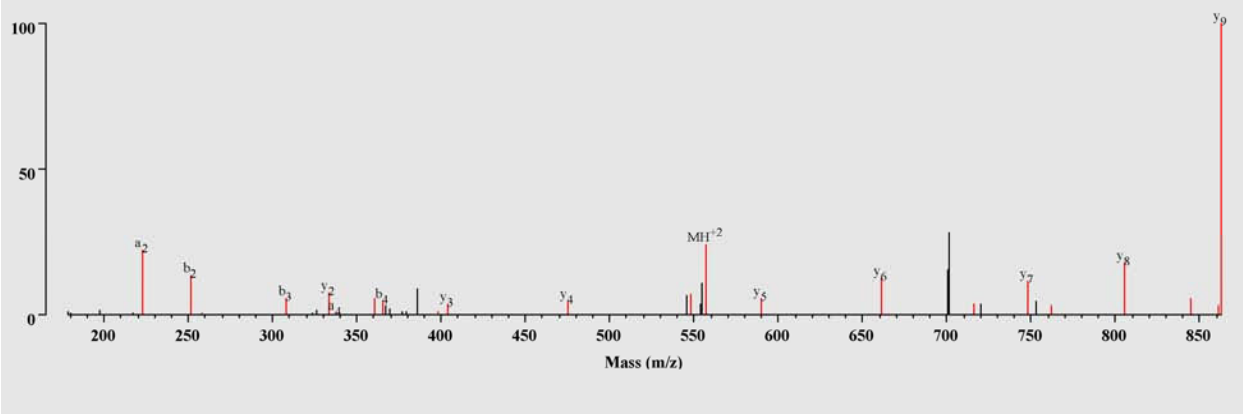
86.1012	147.1190	185.1364	219.1083	223.1110	225.1217	246.1922	251.1040	284.1998	322.1407
I(55) L(55)	y_1(42)		AF(-21)	a_2(15)	QL-NH_3(-7.4) IQ-NH_3(-7.4)	y_2(45)	b_2(5.4)		b_3(3.0)
371.2303	**390.2219**	**397.2611**	**432.2435**	**436.2277**	**469.2162**	**499.2871**	**502.2907**	**510.3540**	**554.2582**
LWA(61)			y_4(-4.1) AFIQ-28(-39)		b_4(17)	QLWA(42)	WAFD-H_2O(164) FIQL(-23)		a_5(-71)
579.2733	**582.3162**	**650.3649**	**704.8595**	**705.3697**	**710.2903**	**722.3638**	**769.4156**	**823.3911**	**829.2763**
y_5(-70)	b_5(41)	y_6(22)	y_{12}^{+2}(-36)		b_6(-85)			b_7(-53)	
829.9115	**836.3700**	**943.3854**	**955.4346**	**984.7787**	**990.9100**	**991.4225**	**1060.5093**	**1077.5054**	**1153.9925**
MH^{+2}(-25)	y_7(-72)					b_8-H_2O(-82)	y_9-NH_3(-35)	y_9(-62)	

[–] **Main Sequence Ions**

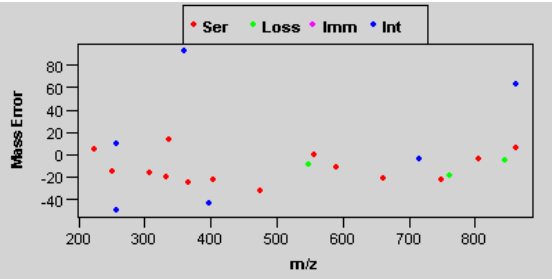
b			y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1571.8257	786.4165
322.1397	3	A	12	1408.7623	704.8848
469.2082	4	F	11	1337.7252	669.3663
582.2922	5	I	10	1190.6568	595.8320
710.3508	6	Q	9	1077.5728	539.2900
823.4349	7	L	8	949.5142	475.2607
1009.5142	8	W	7	836.4301	418.7187
1080.5513	9	A	6	650.3508	325.6790
1227.6197	10	F	5	579.3137	290.1605
1342.6467	11	D	4	432.2453	216.6263
1413.6838	12	A	3	317.2183	159.1128
1512.7522	13	V	2	246.1812	123.5942
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGSADAAWK^{+2}



Max Intensity: **12.7**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **73.4%** Matched Series Intensity: **70.9%**



Sequence: SYGGSADAAWK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C49 H70 N13 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1113.1788	1112.5007	557.0931	556.7540

[–] Peak Matches

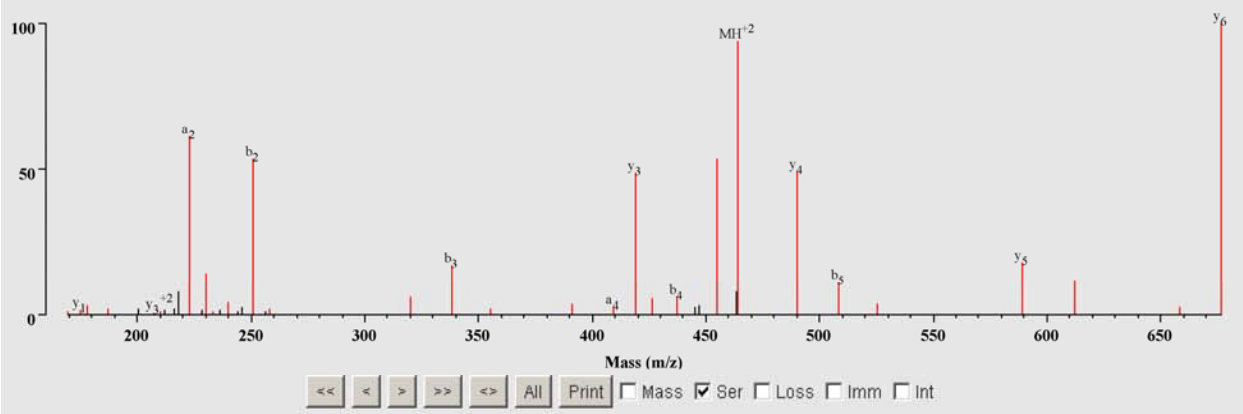
178.0796	**180.0949**	**197.1230**	**217.1100**	**223.1088**	**251.0988**	**258.1109**	**308.1192**	**323.1907**	**326.1429**
				a_2(4.8)	b_2(-15)	DAA(9.5) ADA(9.5) AW(-50)	b_3(-16)		
333.1854	**337.1554**	**360.1850**	**365.1364**	**367.1831**	**369.1718**	**377.1803**	**379.2198**	**386.2098**	**398.1496**
y_2(-20)	YGGS-28(14) a_4(14)	GGSAD-28(93)	YGGS(-25) b_4(-25)						SADAA-H_2O(-44)
404.2200	**475.2506**	**545.2764**	**547.7436**	**553.7833**	**554.3002**	**556.7542**	**590.2870**	**661.3162**	**700.3560**
y_3(-23)	y_4(-33)		MH-H_2O^{+2}(-9.3)			MH^{+2}(0.37)	y_5(-11)	y_6(-21)	
701.3634	**716.2966**	**720.3885**	**748.3455**	**753.3486**	**762.2910**	**805.3807**	**844.3907**	**861.4072**	**862.4103**
	GGSADAAW(-4.5)		y_7(-23)		b_9-H_2O(-19)	y_8(-4.0)	y_9-H_2O(-4.8)	YGGSADAAW-H_2O(63)	y_9(5.7)

[–] Main Sequence Ions

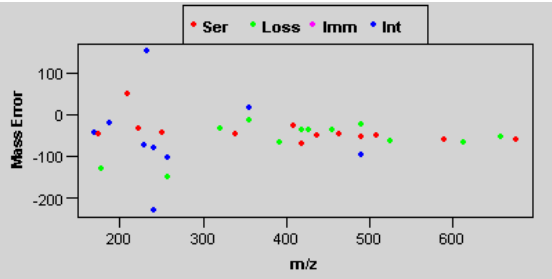
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1025.4687	513.2380
308.1241	3	G	862.4054	431.7063
365.1456	4	G	805.3839	403.1956
452.1776	5	S	748.3624	374.6849
523.2147	6	A	661.3304	331.1688
638.2416	7	D	590.2933	295.6503
709.2788	8	A	475.2663	238.1368
780.3159	9	A	404.2292	202.6183
966.3952	10	W	333.1921	167.0997
---	11	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVAPM(Oxidation)R^{+2}



Max Intensity: **18.3**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **94.2%** Matched Series Intensity: **92.4%**



Sequence: SYSVAPM(Oxidation)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C39 H64 N11 O13 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
926.9115	926.4400	463.9595	463.7237

[–] **Peak Matches**

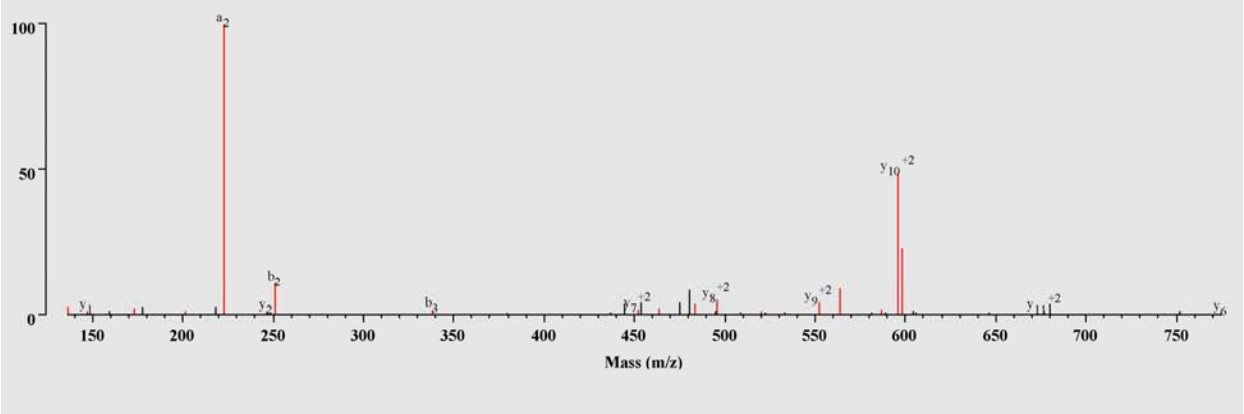
169.0896	175.1108	178.0851	187.1040	200.1232	210.1172	212.1207	216.1117	218.1338	223.1000
AP(-45) SV-H_2O(-45)	y_1(-47)	y_3-$SOCH_4^{+2}$(-129)	SV(-20)		y_3^{+2}(48)				YS-28(-35) a_2(-35)
228.1363	**230.1333**	**233.1278**	**236.0907**	**240.1153**	**244.1399**	**246.1418**	**251.0914**	**256.1054**	**258.1176**
	SVA-28(-72)	b_2-H_2O(153) YS-H_2O(153)		SVA-H_2O(-79) VAP-28(-230)			YS(-45) b_2(-45)		SVA(-105) y_2-$SOCH_4$(-149)
320.1133	**338.1183**	**355.2037**	**391.1710**	**409.1969**	**419.1775**	**426.2307**	**437.1811**	**445.1960**	**447.1731**
b_3-H_2O(-34)	b_3(-48)	SVAP(17) y_3-$SOCH_4$(-14)	a_4-H_2O(-68)	a_4(-28)	b_4-H_2O(-36) y_3(-71)	y_4-$SOCH_4$(-36)	b_4(-50)		
454.7012	**463.2145**	**463.7014**	**490.2186**	**508.2145**	**525.2804**	**589.2768**	**612.3055**	**658.3001**	**676.3050**
MH-H_2O^{+2}(-38)		MH^{+2}(-48)	b_5-H_2O(-22) y_4(-52) YSVAP-28(-97)	b_5(-51)	y_5-$SOCH_4$(-65)	y_5(-61)	y_6-$SOCH_4$(-67)	y_6-H_2O(-52)	y_6(-59)

[–] **Main Sequence Ions**

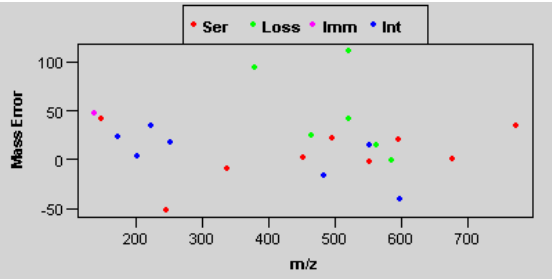
b				y	y^{+2}
---	1	S	8	---	---
251.1026	2	Y	7	839.4080	420.2076
338.1347	3	S	6	676.3447	338.6760
437.2031	4	V	5	589.3126	295.1600
508.2402	5	A	4	490.2442	245.6258
605.2930	6	P	3	419.2071	210.1072
752.3284	7	M(Oxidation)	2	322.1544	161.5808
---	8	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLSESFFM(Oxidation)VK^{+3}



Max Intensity: **39.9**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **85.2%** Matched Series Intensity: **85.3%**



Sequence SYSLSESFFM(Oxidation)VK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C66 H98 N13 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1441.4910	1440.6715	721.2492	720.8394	481.1686	480.8954

[–] Peak Matches

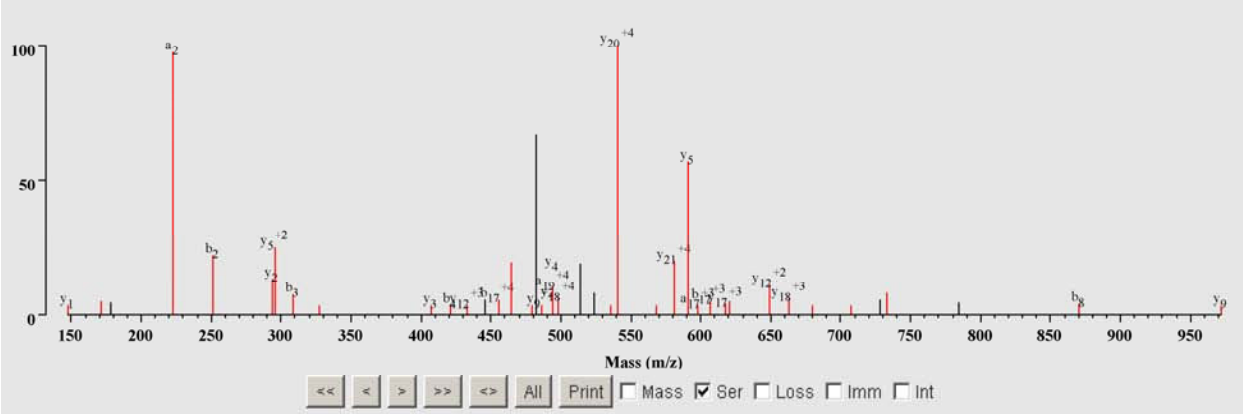
136.0821	147.1190	159.1170	173.1324	178.0956	201.1240	218.1566	223.1152	246.1685	251.1070
Y(47)	y_1(42)		SL-28(23) LS-28(23)		SL(3.1) LS(3.1)		a_2(34) YS-28(34)	y_2(-52)	b_2(17) YS(17)
338.1317	**379.2186**	**437.2701**	**444.2329**	**452.2183**	**453.5236**	**463.7457**	**474.9044**	**480.7784**	**483.2159**
b_3(-8.8)	y_6-NH_3^{+2}(94)			y_7^{+2}(1.4)		y_8-$SOCH_4^{+2}$(24)			ESFF-28(-16)
494.7819	**495.7446**	**508.7751**	**520.2979**	**522.7231**	**533.3019**	**552.2745**	**563.8005**	**581.2752**	**586.7855**
	y_8^{+2}(22)		b_5-H_2O(111) y_9-$SOCH_4^{+2}$(41)			YSLSE-28(15) y_9^{+2}(-2.2)	y_{10}-$SOCH_4^{+2}$(14)		y_{10}-H_2O^{+2}(-1.6)
589.2276	**595.8040**	**598.2268**	**604.2657**	**605.8093**	**646.3377**	**677.3234**	**679.7495**	**752.1591**	**774.4121**
	y_{10}^{+2}(21)	SESFF(-40)				y_{11}^{+2}(0.0056)			y_6(34)

[–] Main Sequence Ions

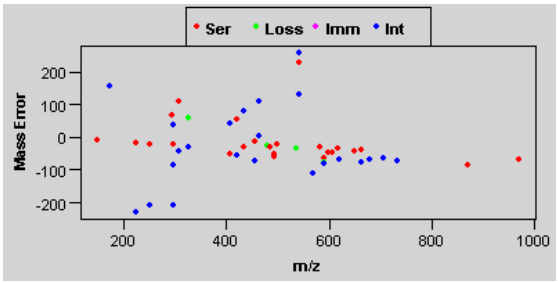
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1353.6395	677.3234
338.1347	3	S	10	1190.5762	595.7917
451.2187	4	L	9	1103.5442	552.2757
538.2508	5	S	8	990.4601	495.7337
667.2933	6	E	7	903.4281	452.2177
754.3254	7	S	6	774.3855	387.6964
901.3938	8	F	5	687.3534	344.1804
1048.4622	9	F	4	540.2850	270.6462
1195.4976	10	M(Oxidation)	3	393.2166	197.1119
1294.5660	11	V	2	246.1812	123.5942
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLHLQALKPTKPGLLPSLFK^{+5}



Max Intensity: **125**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **80.7%** Matched Series Intensity: **80.4%**



Sequence: SYGLHLQALKPTKPGLLPSLFK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 5 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C115 H187 N28 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)	MH^{+5}(av)	MH^{+5}(mono)
2409.9390	2408.4064	1205.4732	1204.7068	803.9846	803.4737	603.2403	602.8571	482.7937	482.4871

[–] Peak Matches

147.1117	171.1394	178.0831	223.1041	251.0976	294.2013	296.1719	308.1586	327.1927	407.2451
y_1(-7.5)	PT-28(155) GL(155)		a_2(-16) HL-28(-230) LH-28(-230)	b_2(-20) HL(-210) LH(-210)	y_2(68)	QAL-NH_3(39) LQA-NH_3(39) y_5^{+2}(-23) ALK-NH_3(-84) LLP-28(-207)	b_3(112) GLH(-43)	b_6-H_2O^{+2}(57) KPT(-31) TKP(-31) PTK(-31)	PTKP-NH_3(40) y_3(-50)
421.2317	**433.2535**	**446.2637**	**455.2648**	**464.3007**	**478.8729**	**482.3375**	**486.2841**	**494.2676**	**497.7958**
b_4(56) GLHL(-57)	HLQA-NH_3(79) y_{12}^{+3}(-32)		b_{17}^{+4}(-14) KPTK(-72)	PTKPG-NH_3(108) LHLQ-28(5.9)	MH-H_2O^{+5}(-25)		y_9^{+2}(-32)	a_{19}^{+4}(-53) ALKPT-NH_3(-60) y_4(-60)	y_{18}^{+4}(-22)
513.9783	**523.3080**	**535.8124**	**540.4580**	**568.3192**	**581.0802**	**591.3128**	**597.3342**	**606.6636**	**617.6989**
		y_{20}-H_2O^{+4}(-34)	LPSLF-H_2O(259) y_{20}^{+4}(231) LKPTK-28(132)	LKPTK(-110)	y_{21}^{+4}(-32)	y_5(-63) a_{17}-H_2O^{+3}(-76) KPTKPG-H_2O(-82)	a_{17}^{+3}(-45)	b_{17}^{+3}(-48)	y_{17}^{+3}(-35)
620.3100	**649.3693**	**663.3804**	**679.4045**	**707.4003**	**727.9042**	**733.3834**	**784.4426**	**870.3730**	**971.5256**
GLHLQA(-67)	y_{12}^{+2}(-44)	y_{18}^{+3}(-40) HLQALK-28(-75)	PTKPGLL-28(-67) TKPGLLP-28(-67)	PTKPGLL(-63) TKPGLLP(-63)		GLHLQAL(-71)		b_8(-85)	y_9(-69)

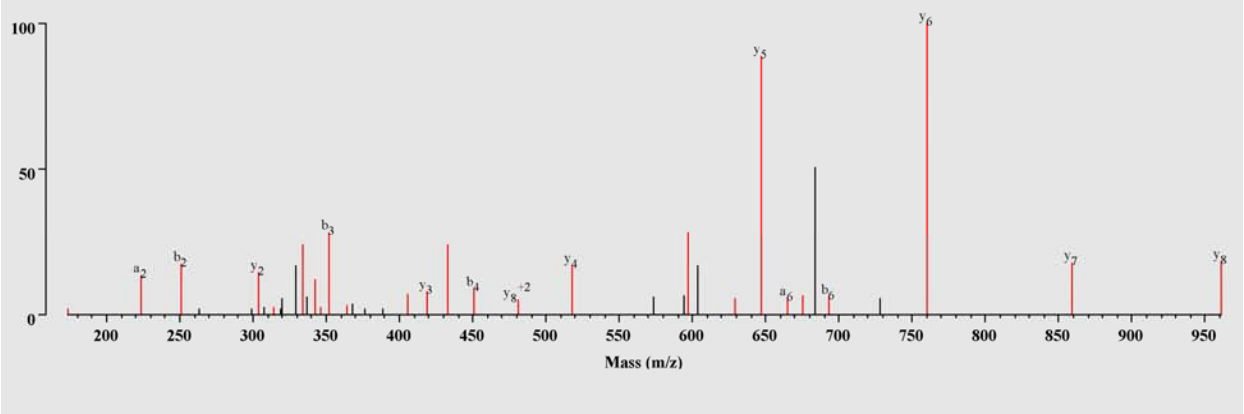
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	22 ---	---
251.1026	---	2	Y	21 2321.3744	1161.1908
308.1241	---	3	G	20 2158.3111	1079.6592
421.2082	---	4	L	19 2101.2896	1051.1484
558.2671	279.6372	5	H	18 1988.2055	994.6064
671.3511	336.1792	6	L	17 1851.1466	926.0769
799.4097	400.2085	7	Q	16 1738.0626	869.5349
870.4468	435.7271	8	A	15 1610.0040	805.5056
983.5309	492.2691	9	L	14 1538.9669	769.9871
1111.6259	556.3166	10	K	13 1425.8828	713.4450
1208.6786	604.8429	11	P	12 1297.7878	649.3976
1309.7263	655.3668	12	T	11 1200.7351	600.8712

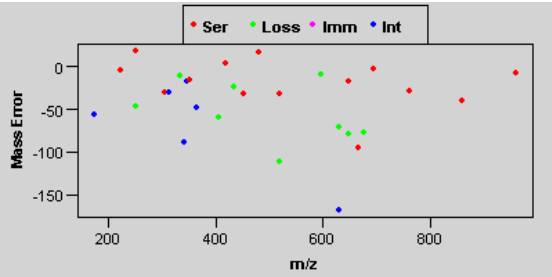
1437.8213	719.4143	13	**K**	10	1099.6874	550.3473
1534.8740	767.9407	14	**P**	9	971.5924	486.2999
1591.8955	796.4514	15	**G**	8	874.5397	437.7735
1704.9796	852.9934	16	**L**	7	817.5182	409.2627
1818.0636	909.5354	17	**L**	6	704.4341	352.7207
1915.1164	958.0618	18	**P**	5	591.3501	296.1787
2002.1484	1001.5778	19	**S**	4	494.2973	247.6523
2115.2325	1058.1199	20	**L**	3	407.2653	204.1363
2262.3009	1131.6541	21	**F**	2	294.1812	147.5942
---	---	22	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTVIEVDER^{+2}



Max Intensity: **5.83**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **78.3%** Matched Series Intensity: **77.2%**



Sequence SYTVIEVDER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C52 H84 N13 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1211.3219	1210.5950	606.1646	605.8011

[–] **Peak Matches**

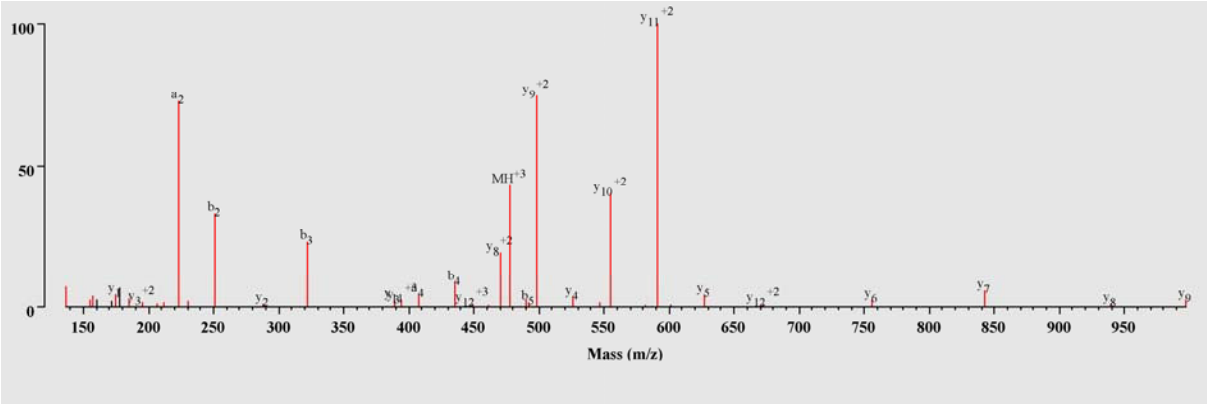
173.1185	223.1068	251.1072	263.1329	299.1713	304.1524	307.1359	314.1978	319.1295	320.1295
TV-28(-57)	a_2(-4.1)	b_2(18) y_4-NH_3^{+2}(-46)			y_2(-30)		IEV-28(-31) TVI(-31) VIE-28(-31)		
329.1887	**334.1359**	**337.0923**	**342.1719**	**346.1702**	**352.1446**	**364.1690**	**368.2009**	**376.2265**	**388.1594**
	b_3-H_2O(-12)		IEV(-89) VIE(-89)	YTV-H_2O(-17)	b_3(-16)	YTV(-49)			
405.1889	**419.1896**	**433.1976**	**451.2037**	**480.7612**	**518.2398**	**573.2904**	**593.9376**	**596.7899**	**603.2841**
a_4-H_2O(-60)	y_3(2.7)	b_4-H_2O(-24)	b_4(-33)	y_8^{+2}(16)	y_4(-33) a_5-H_2O(-111)			MH-H_2O^{+2}(-10.0)	
629.2445	**647.2886**	**665.2875**	**675.2831**	**683.3080**	**693.3428**	**728.3344**	**760.3615**	**859.4172**	**960.4927**
y_5-H_2O(-71) TVIEVD-28(-168)	y_5(-17) a_6-H_2O(-79)	a_6(-95)	b_6-H_2O(-77)		b_6(-3.7)		y_6(-29)	y_7(-40)	y_8(-7.2)

[–] **Main Sequence Ions**

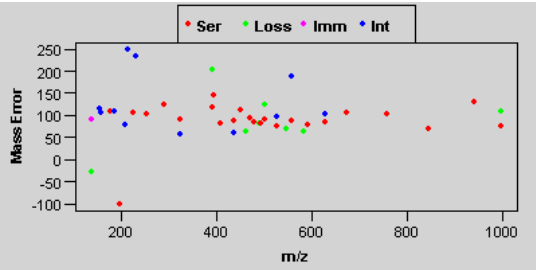
b			y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1123.5630	562.2851
352.1503	3	T	8	960.4997	480.7535
451.2187	4	V	7	859.4520	430.2296
564.3028	5	I	6	760.3836	380.6954
693.3454	6	E	5	647.2995	324.1534
792.4138	7	V	4	518.2569	259.6321
907.4407	8	D	3	419.1885	210.0979
1036.4833	9	E	2	304.1615	152.5844
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAIGPSQTHTIR^{+3}



Max Intensity: **7.91**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **96.9%** Matched Series Intensity: **97.1%**



Sequence SYAIGPSQTHTIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C62 H100 N19 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1431.6009	1430.7387	716.3042	715.8730	477.8719	477.5844

[–] **Peak Matches**

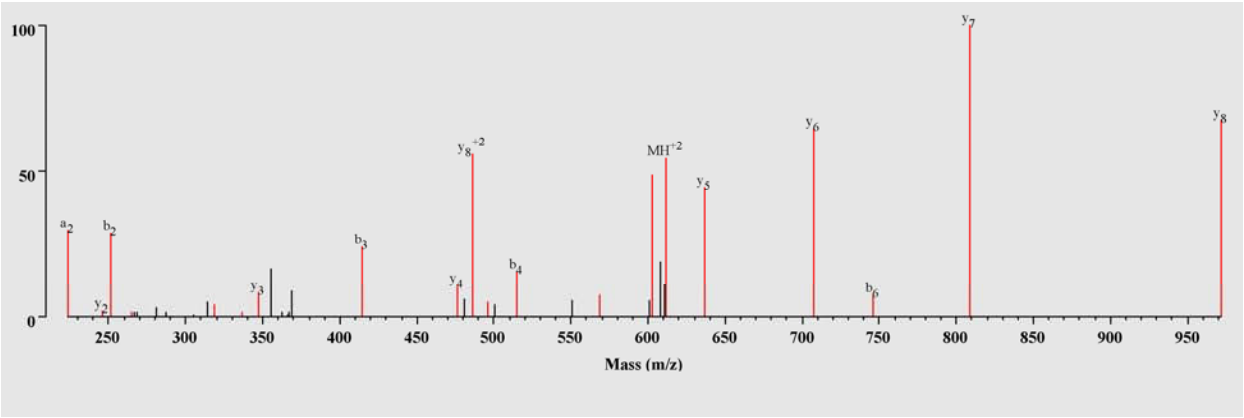
136.0879	155.0994	157.1501	160.0908	172.1548	175.1381	178.1053	185.1486	195.1093	207.1292
Y(90) y_2-NH_3^{+2}(-29)	GP(115)	AI-28(105)			y_1(109)		AI(109)	y_3^{+2}(-101)	YA-28(79)
212.1557	**223.1312**	**230.1672**	**251.1288**	**288.2391**	**322.1689**	**389.2969**	**394.2764**	**407.2627**	**435.2615**
QT-H_2O(249)	a_2(105)	QT(233)	b_2(104)	y_2(125)	b_3(90) THT-H_2O(56)	a_4-H_2O(202) y_3(119)	y_{11}^{+3}(145)	a_4(83)	b_4(87) THTI-H_2O(61)
448.6240	**461.2775**	**470.2979**	**477.2859**	**477.6251**	**489.8003**	**492.2856**	**498.8105**	**526.3501**	**546.3398**
y_{12}^{+3}(112)	y_8-H_2O^{+2}(62)	y_8^{+2}(93)		MH^{+3}(85)	y_9-H_2O^{+2}(83)	b_5(82)	a_{10}-H_2O^{+2}(124) y_9^{+2}(92)	AIGPSQ-28(98) y_4(77)	y_{10}-H_2O^{+2}(70)
555.3563	**581.8574**	**590.8726**	**601.8686**	**627.4111**	**672.4289**	**755.4935**	**842.5065**	**939.6236**	**996.5983**
SQTHT(188) y_{10}^{+2}(89)	y_{11}-H_2O^{+2}(64)	y_{11}^{+2}(80)		AIGPSQT-28(104) y_5(86)	y_{12}^{+2}(107)	y_6(103)	y_7(70)	y_8(131)	a_{10}-H_2O(109) y_9(76)

[–] **Main Sequence Ions**

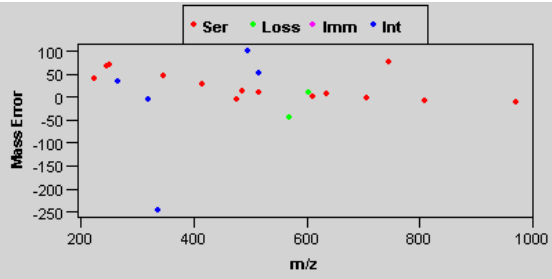
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1343.7066	672.3570
322.1397	---	3	A	11	1180.6433	590.8253
435.2238	---	4	I	10	1109.6062	555.3067
492.2453	---	5	G	9	996.5221	498.7647
589.2980	---	6	P	8	939.5007	470.2540
676.3301	---	7	S	7	842.4479	421.7276
804.3886	---	8	Q	6	755.4159	378.2116
905.4363	---	9	T	5	627.3573	314.1823
1042.4952	521.7513	10	H	4	526.3096	263.6584
1143.5429	572.2751	11	T	3	389.2507	195.1290
1256.6270	628.8171	12	I	2	288.2030	144.6051
---	---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYTAC(Carbamidomethyl)ETAR^{+2}



Max Intensity: **3.36**
Num Matched: **20/38 (47.4% unmatched)** Matched Intensity: **85.7%** Matched Series Intensity: **83.1%**



Sequence: SYYTAC(Carbamidomethyl)ETAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H77 N14 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1222.1614	1221.5205	611.5844	611.2639

[–] Peak Matches

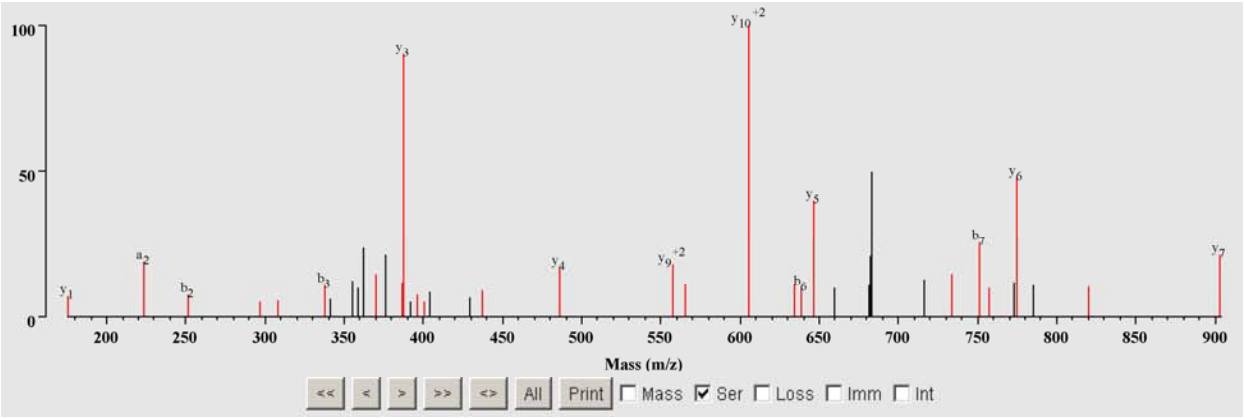
223.1165	**246.1722**	**251.1205**	**265.1272**	**267.0074**	**268.0972**	**281.0604**	**287.1169**	**305.3181**	**314.1871**
a_2(39)	y_2(66)	b_2(71)	YT(34)						
318.1432	**336.0724**	**347.2199**	**355.0867**	**362.1819**	**366.1840**	**367.1553**	**369.1691**	**414.1777**	**476.2436**
YTA-H_2O(-5.1)	YTA(-247)	y_3(47)						b_3(28)	y_4(-5.7)
480.7254	**486.2231**	**496.2364**	**500.7327**	**514.7276**	**515.2194**	**550.2245**	**568.2149**	**601.2544**	**602.2642**
	y_8^{+2}(14)	YTAC(Carbamidomethyl)(101)			AC(Carbamidomethyl)ETA-H_2O(53) b_4(11)		b_5-H_2O(-45)		MH-H_2O^{+2}(9.3)
608.3552	**610.8296**	**611.2647**	**636.2822**	**707.3129**	**746.3379**	**808.3556**	**971.4130**		
		MH^{+2}(1.4)	y_5(8.2)	y_6(-1.7)	b_6(76)	y_7(-7.6)	y_8(-12)		

[–] Main Sequence Ions

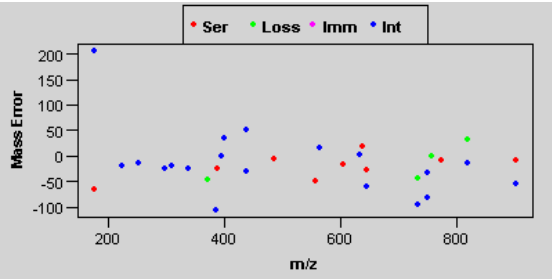
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1134.4884	567.7479
414.1660	3	Y	8	971.4251	486.2162
515.2136	4	T	7	808.3618	404.6845
586.2508	5	A	6	707.3141	354.1607
746.2814	6	C(Carbamidomethyl)	5	636.2770	318.6421
875.3240	7	E	4	476.2463	238.6268
976.3717	8	T	3	347.2037	174.1055
1047.4088	9	A	2	246.1561	123.5817
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSVNLSPPLEQC(Carbamidomethyl)VPDR^{+3}



Max Intensity: **3.58**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **70.7%** Matched Series Intensity: **70.7%**



Sequence: SYSSVNLSPPLEQC(Carbamidomethyl)VPDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C87 H139 N24 O31 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2049.1155	2047.9753	1025.0614	1024.4913	683.7101	683.3300

[–] Peak Matches

175.1074	223.1031	251.0988	297.1484	308.1907	338.1258	341.0072	355.0711	359.0165	362.1925
SS(206) y_1(-66)	a_2(-21) YS-28(-21)	b_2(-15) YS(-15)	NLS-H_2O(-25)	PPL(-20)	b_3(-26) YSS(-26)				
370.1545	**376.2085**	**386.1986**	**387.1888**	**392.1870**	**396.2236**	**400.1427**	**404.2238**	**429.0727**	**437.2260**
SSVN-H_2O(-48) y_3-NH_3(-48)		VNLS-28(-107) SVNL-28(-107)	y_3(-25)		VNLS-H_2O(-1.4) SVNL-H_2O(-1.4)	EQC(Carbamidomethyl)-H_2O(35)			YSSV(52) PPLE(-31)
486.2642	**557.2434**	**565.3070**	**605.7881**	**634.3213**	**638.2895**	**646.2798**	**659.3704**	**681.3174**	**681.8684**
y_4(-5.9)	y_9^{+2}(-50)	PPLEQ(16)	y_{10}^{+2}(-16)	SPPLEQ-H_2O(2.8)	b_6(18)	y_5(-28) YSSVNL-H_2O(-61)			
683.3151	**716.3042**	**733.3185**	**751.3366**	**757.3287**	**773.3880**	**774.3490**	**785.3262**	**820.4092**	**903.3904**
		YSSVNLS-H_2O(-45) b_7-H_2O(-45) NLSPPLE-H_2O(-95)	b_7(-34) YSSVNLS(-34) NLSPPLE(-82)	y_6-NH_3(-1.4)		y_6(-9.4)		b_8-H_2O(31) YSSVNLSP-28(-13)	y_7(-9.4) PPLEQC(Carbamidomethyl)VP-H_2O(-54)

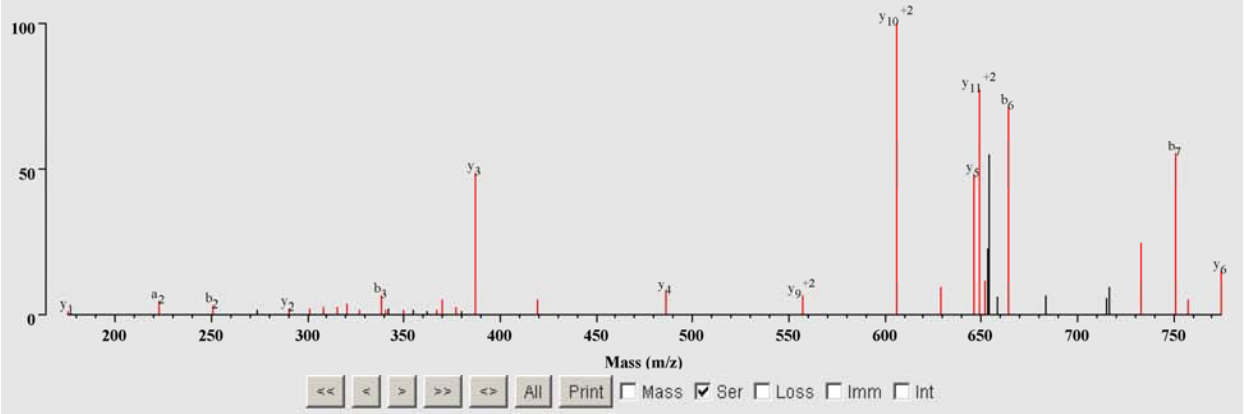
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	18	---	---
251.1026	2	Y	17	1960.9433	980.9753
338.1347	3	S	16	1797.8800	899.4436
425.1667	4	S	15	1710.8479	855.9276
524.2351	5	V	14	1623.8159	812.4116
638.2780	6	N	13	1524.7475	762.8774
751.3621	7	L	12	1410.7046	705.8559
838.3941	8	S	11	1297.6205	649.3139
935.4469	9	P	10	1210.5885	605.7979
1032.4997	10	P	9	1113.5357	557.2715
1145.5837	11	L	8	1016.4830	508.7451
1274.6263	12	E	7	903.3989	452.2031
1402.6849	13	Q	6	774.3563	387.6818
1562.7155	14	C(Carbamidomethyl)	5	646.2977	323.6525
1661.7839	15	V	4	486.2671	243.6372
1758.8367	16	P	3	387.1987	194.1030

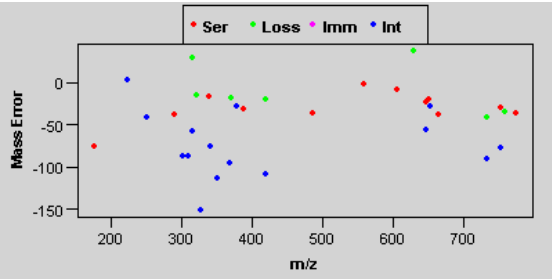
1873.8637	17	**D**	2	290.1459	145.5766
---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVNLSPPLEQC(Carbamidomethyl)VPDR^{+3}



Max Intensity: **8.14**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **82.4%** Matched Series Intensity: **82.4%**



Sequence: SYSVNLSPPLEQC(Carbamidomethyl)VPDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C84 H134 N23 O29 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1962.0368	1960.9433	981.5221	980.9753	654.6839	654.3193

[–] Peak Matches

175.1056	223.1082	251.0922	274.0922	290.1347	301.1243	308.1702	315.1481	320.1194	327.1534
y_1(-76)	a_2(2.2) YS-28(2.2)	b_2(-42) YS(-42)		y_2(-39)	SVN(-87)	PPL(-87)	y_5-NH_3^{+2}(28) NLS(-58)	b_3-H_2O(-15)	VNL(-151)
338.1289	**340.1613**	**342.1578**	**350.1315**	**355.0618**	**362.1308**	**367.1990**	**370.1650**	**377.2075**	**380.1582**
b_3(-17)	PLE(-75)		YSV(-113)			SPPL-28(-95) LSPP-28(-95)	y_3-NH_3(-19)	SPPL-H_2O(-29) LSPP-H_2O(-29)	
387.1866	**419.1838**	**486.2495**	**557.2702**	**605.7929**	**629.2944**	**646.2824**	**649.3009**	**652.3120**	**653.2842**
y_3(-31)	b_4-H_2O(-21) PPLE-H_2O(-108)	y_4(-36)	y_9^{+2}(-2.3)	y_{10}^{+2}(-8.2)	y_5-NH_3(37)	y_5(-24) b_6-H_2O(-57) YSVNLS-H_2O(-57)	y_{11}^{+2}(-20)	SPPLEQ(-28)	
654.2896	**658.3356**	**664.3039**	**683.3278**	**715.3043**	**716.2793**	**733.3215**	**751.3396**	**757.3031**	**774.3285**
		YSVNLS(-39) b_6(-39)				b_7-H_2O(-41) YSVNLSP-28(-91) NLSPPLE-H_2O(-91)	b_7(-30) NLSPPLE(-78)	y_6-NH_3(-35)	y_6(-36)

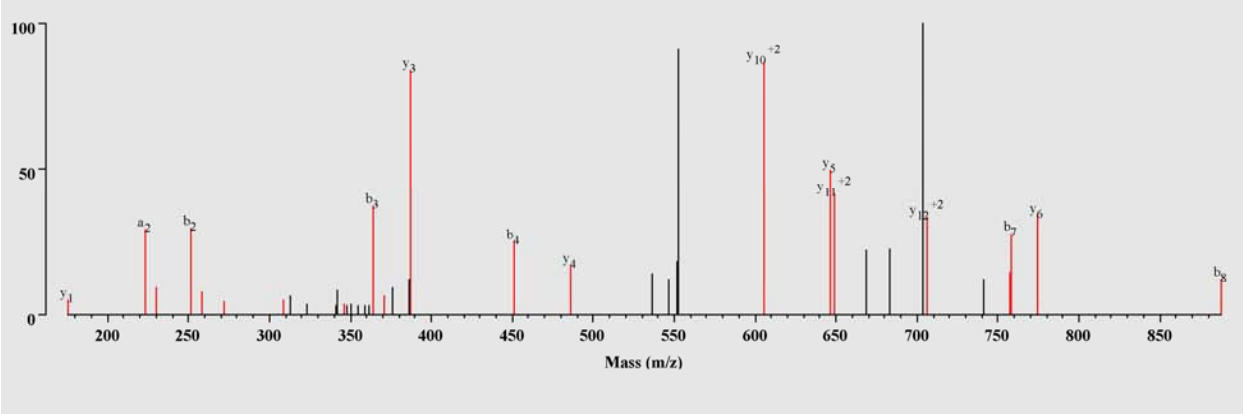
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	17	---	---
251.1026	2	Y	16	1873.9113	937.4593
338.1347	3	S	15	1710.8479	855.9276
437.2031	4	V	14	1623.8159	812.4116
551.2460	5	N	13	1524.7475	762.8774
664.3301	6	L	12	1410.7046	705.8559
751.3621	7	S	11	1297.6205	649.3139
848.4149	8	P	10	1210.5885	605.7979
945.4676	9	P	9	1113.5357	557.2715
1058.5517	10	L	8	1016.4830	508.7451
1187.5943	11	E	7	903.3989	452.2031
1315.6529	12	Q	6	774.3563	387.6818
1475.6835	13	C(Carbamidomethyl)	5	646.2977	323.6525
1574.7519	14	V	4	486.2671	243.6372
1671.8047	15	P	3	387.1987	194.1030

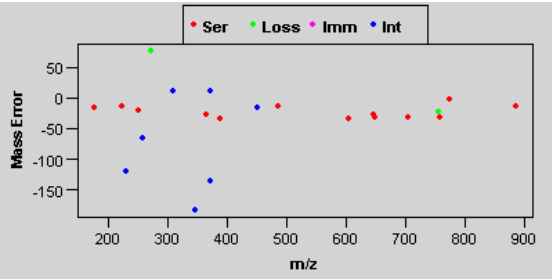
1786.8316	16	**D**	2	290.1459	145.5766
---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLSPPLEQC(Carbamidomethyl)VPDR^{+3}



Max Intensity: **2.80**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **61.6%** Matched Series Intensity: **61.6%**



Sequence SYLSPPLEQC(Carbamidomethyl)VPDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H114 N19 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1661.7202	1660.7999	831.3638	830.9036	554.5784	554.2715

[–] Peak Matches

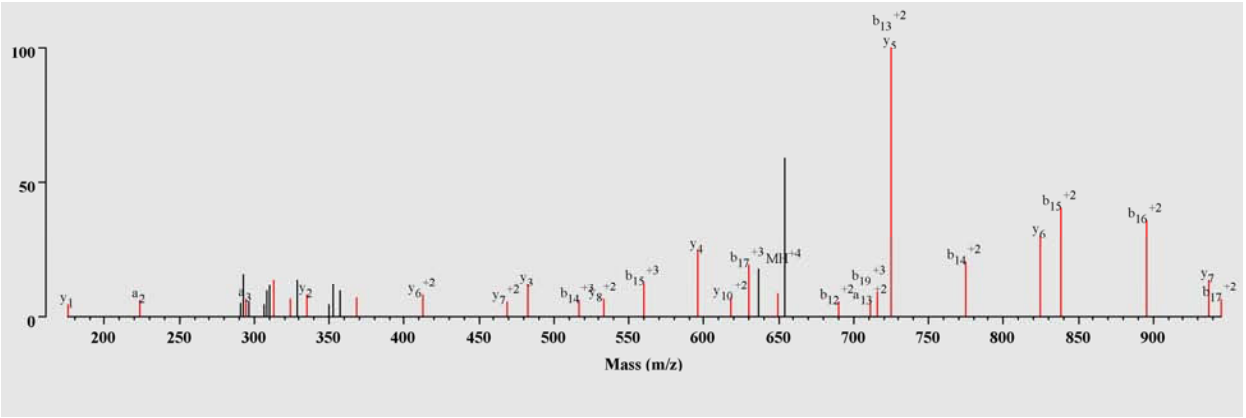
175.1162	**223.1046**	**230.0859**	**251.0973**	**258.0911**	**272.1562**	**308.2006**	**313.1271**	**323.1669**	**341.2275**
y_1(-16)	a_2(-14)	EQ-28(-120)	b_2(-21)	EQ(-67)	y_2-H_2O(77)	PPL(12)			
342.1635	**346.1125**	**348.1087**	**350.1549**	**355.0301**	**359.1815**	**361.2024**	**364.1767**	**371.1421**	**376.2103**
	b_3-H_2O(-184) YLS-H_2O(-184)						YLS(-27) b_3(-27)	QC(Carbamidomethyl)V-NH_3(10) LEQ(-136)	
386.1893	**387.1851**	**451.2120**	**486.2601**	**536.3061**	**546.2493**	**551.7849**	**552.3008**	**605.7765**	**646.2798**
	y_3(-35)	b_4(-15) PLEQ-NH_3(-15)	y_4(-14)					y_{10}^{+2}(-35)	y_5(-28)
649.2935	**668.3546**	**683.3052**	**703.3501**	**705.8324**	**741.3451**	**757.3130**	**758.3840**	**774.3543**	**887.4390**
y_{11}^{+2}(-31)				y_{12}^{+2}(-33)		y_6-NH_3(-22)	b_7(-32)	y_6(-2.6)	b_8(-13)

[–] Main Sequence Ions

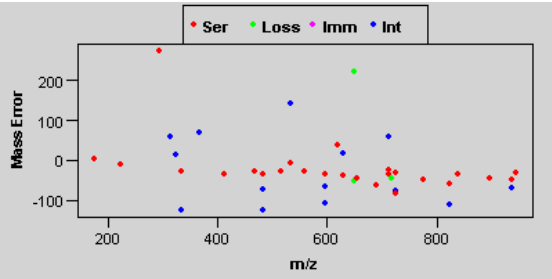
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1573.7679	787.3876
364.1867	3	L	12	1410.7046	705.8559
451.2187	4	S	11	1297.6205	649.3139
548.2715	5	P	10	1210.5885	605.7979
645.3243	6	P	9	1113.5357	557.2715
758.4083	7	L	8	1016.4830	508.7451
887.4509	8	E	7	903.3989	452.2031
1015.5095	9	Q	6	774.3563	387.6818
1175.5401	10	C(Carbamidomethyl)	5	646.2977	323.6525
1274.6086	11	V	4	486.2671	243.6372
1371.6613	12	P	3	387.1987	194.1030
1486.6883	13	D	2	290.1459	145.5766
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYALSKHQDFNSAVQLVENFC(Carbamidomethyl)R^{+4}



Max Intensity: **12.9**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **72.7%** Matched Series Intensity: **71.4%**



Sequence: SYALSKHQDFNSAVQLVENFC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C114 H174 N33 O36 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2614.7519	2613.2514	1307.8797	1307.1294	872.2556	871.7553	654.4435	654.0683

[–] Peak Matches

175.1196	223.1056	291.1882	292.2227	294.2257	296.2242	306.1987	308.2124	310.2344	313.2421
y_1(3.7)	a_2(-9.5)			a_3(275)					QLV-28(60) VQL-28(60)
324.1968	**328.2427**	**335.1404**	**350.2182**	**352.2313**	**357.2274**	**368.2182**	**412.6751**	**469.2180**	**482.2012**
LVE-H_2O(15) VQL-NH_3(15) QLV-NH_3(15)		y_2(-27) SKH-H_2O(-126)				SAVQ-H_2O(69)	y_6^{+2}(-35)	y_7^{+2}(-29)	y_3(-35) NSAVQ-H_2O(-72) SAVQL-NH_3(-124)
516.9048	**533.2578**	**559.5903**	**596.2398**	**618.3364**	**630.2991**	**636.3129**	**649.7767**	**654.0377**	**654.3792**
b_{14}^{+3}(-29)	ENFC(Carbamidomethyl)-H_2O(143) y_8^{+2}(-5.9)	b_{15}^{+3}(-28)	y_4(-35) SKHQD(-65) NSAVQL-NH_3(-107)	y_{10}^{+2}(37)	FNSAVQ-NH_3(17) b_{17}^{+3}(-38)		y_{16}-NH_3^{+3}(223) MH-NH_3^{+4}(-54)	MH^{+4}(-47)	
689.7798	**711.3262**	**716.3023**	**725.2796**	**774.8367**	**824.3221**	**838.8764**	**895.4055**	**937.4092**	**944.9511**
b_{12}^{+2}(-63)	HQDFNS-H_2O(59) a_{13}^{+2}(-25) b_{19}^{+3}(-36)	b_{13}-H_2O^{+2}(-47)	y_5(-33) SKHQDF-H_2O(-78) b_{13}^{+2}(-85)	b_{14}^{+2}(-50)	y_6(-60) NSAVQLVE-NH_3(-113) SAVQLVEN-NH_3(-113)	b_{15}^{+2}(-34)	b_{16}^{+2}(-46)	y_7(-50) NSAVQLVEN-H_2O(-69)	b_{17}^{+2}(-32)

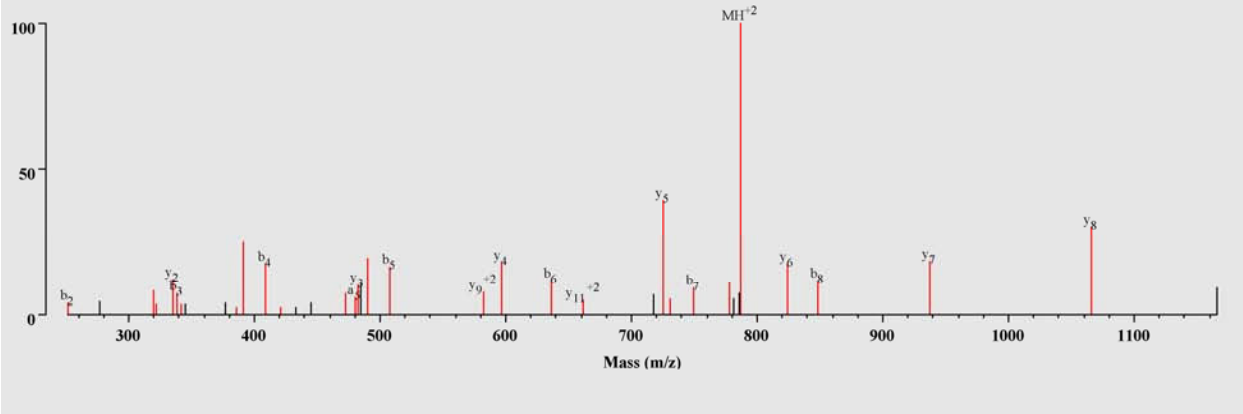
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	22	---	---
251.1026	---	2	Y	21	2526.2194	1263.6133
322.1397	---	3	A	20	2363.1561	1182.0817
435.2238	---	4	L	19	2292.1190	1146.5631
522.2558	---	5	S	18	2179.0349	1090.0211
650.3508	325.6790	6	K	17	2092.0029	1046.5051
787.4097	394.2085	7	H	16	1963.9079	982.4576
915.4683	458.2378	8	Q	15	1826.8490	913.9281
1030.4952	515.7513	9	D	14	1698.7904	849.8989
1177.5636	589.2855	10	F	13	1583.7635	792.3854
1291.6066	646.3069	11	N	12	1436.6951	718.8512
1378.6386	689.8229	12	S	11	1322.6521	661.8297
1449.6757	725.3415	13	A	10	1235.6201	618.3137
1548.7441	774.8757	14	V	9	1164.5830	582.7951
1676.8027	838.9050	15	Q	8	1065.5146	533.2609

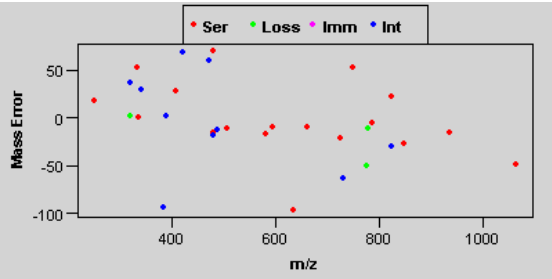
1789.8868	895.4470	16	**L**	7	937.4560	469.2316
1888.9552	944.9812	17	**V**	6	824.3719	412.6896
2017.9978	1009.5025	18	**E**	5	725.3035	363.1554
2132.0407	1066.5240	19	**N**	4	596.2609	298.6341
2279.1091	1140.0582	20	**F**	3	482.2180	241.6126
2439.1398	1220.0735	21	**C(Carbamidomethyl)**	2	335.1496	168.0784
---	---	22	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAVQLVENFC(Carbamidomethyl)R^{+2}



Max Intensity: **2.29**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **84.7%** Matched Series Intensity: **80.2%**



Sequence: SYSAVQLVENFC(Carbamidomethyl)R
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C68 H106 N19 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1573.6133	1572.7475	787.3103	786.8774

[–] Peak Matches

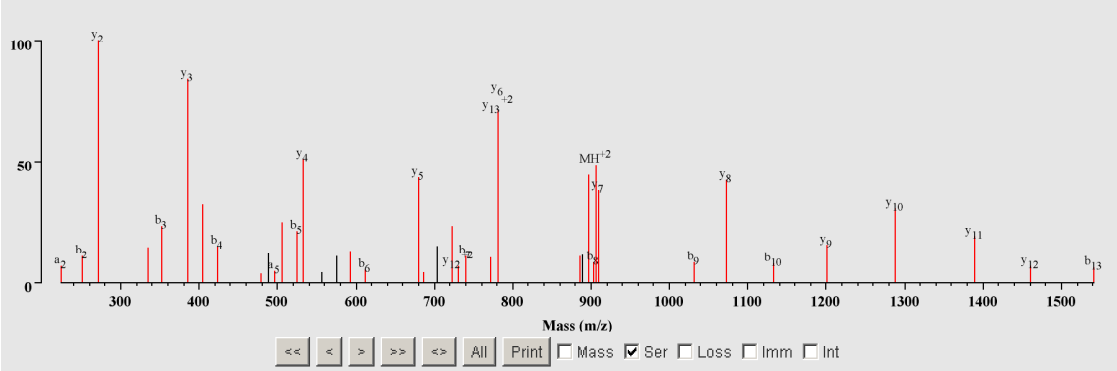
251.1070	277.1347	320.1246	322.1513	335.1674	338.1349	342.2123	345.1774	377.2186	386.1672
YS(17) b_2(17)		b_3-H_2O(1.6)	YSA(36)	y_2(53)	b_3(0.70)	LVE(29)			SAVQ(-94)
391.1617	**409.1833**	**421.2374**	**433.2241**	**445.1932**	**472.2475**	**480.2379**	**482.2517**	**484.2135**	**490.2233**
b_4-H_2O(1.3) ENF(1.3)	b_4(28)	YSAV(69)			VENF-H_2O(60)	a_5(-15)	y_3(70) SAVQL-NH_3(-19)		b_5-H_2O(-13) VENF(-13)
508.2340	**582.7854**	**596.2548**	**636.2368**	**661.8233**	**717.3479**	**725.2881**	**731.3257**	**749.4229**	**777.8329**
b_5(-12)	y_9^{+2}(-17)	y_4(-10)	b_6(-97)	y_{11}^{+2}(-9.7)		y_5(-21)	b_7-H_2O(-64) QLVENF(-64)	b_7(53)	MH-H_2O^{+2}(-50)
778.3556	**781.4425**	**785.4742**	**786.3470**	**786.8725**	**824.3900**	**848.4282**	**937.4410**	**1065.4624**	**1165.4650**
MH-NH_3^{+2}(-11)				MH^{+2}(-6.2)	y_6(22) SAVQLVEN-NH_3(-30)	b_8(-27)	y_7(-16)	y_8(-49)	

[–] Main Sequence Ions

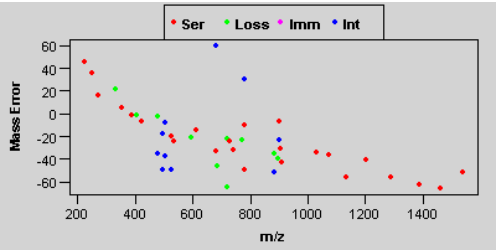
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1485.7155	743.3614
338.1347	3	S	11	1322.6521	661.8297
409.1718	4	A	10	1235.6201	618.3137
508.2402	5	V	9	1164.5830	582.7951
636.2988	6	Q	8	1065.5146	533.2609
749.3828	7	L	7	937.4560	469.2316
848.4512	8	V	6	824.3719	412.6896
977.4938	9	E	5	725.3035	363.1554
1091.5368	10	N	4	596.2609	298.6341
1238.6052	11	F	3	482.2180	241.6126
1398.6358	12	C(Carbamidomethyl)	2	335.1496	168.0784
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTATSEYQTFFNPR^{+2}



Max Intensity: **68.9**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **94.1%** Matched Series Intensity: **93.5%**



Sequence SYTATSEYQTFFNPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C82 H115 N20 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1812.9450	1811.8235	906.9762	906.4154

[–] **Peak Matches**

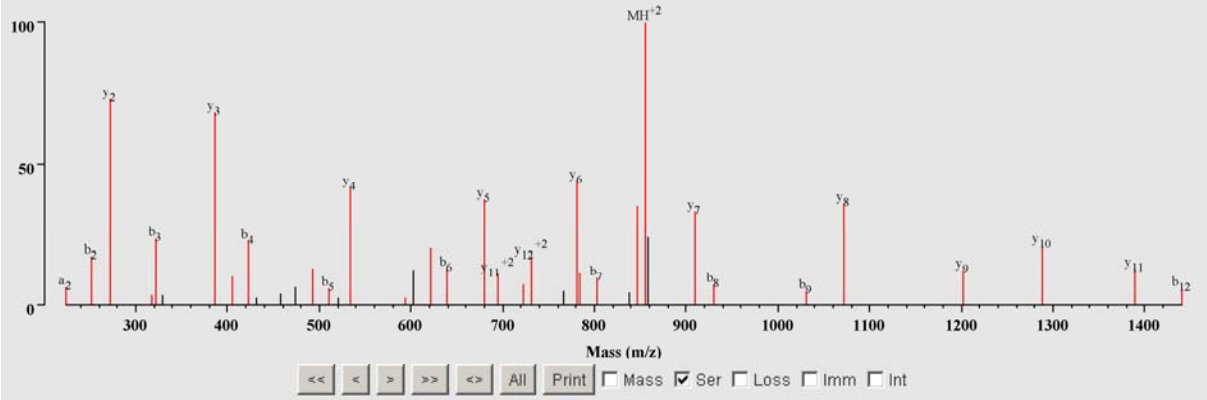
223.1180	251.1117	272.1762	334.1471	352.1523	386.2142	405.1764	423.1845	478.2283	488.2091
a_2(46)	b_2(36)	y_2(16)	b_3-H_2O(22)	SEY-28(5.6) b_3(5.6)	y_3(-1.1)	b_4-H_2O(-1.1)	b_4(-6.9)	a_5-H_2O(-2.8) FFNP-28(-35)	
496.2313	**506.2205**	**524.2245**	**533.2702**	**557.2242**	**575.2406**	**593.2439**	**611.2579**	**680.3291**	**686.2882**
a_5(-18) YTATS-28(-18) QTFF-28(-49)	b_5-H_2O(-8.0) YTATS-H_2O(-8.0) QTFF-H_2O(-38) FFNP(-38)	YTATS(-20) ATSEY-28(-20) b_5(-20) QTFF(-49)	y_4(-24)			b_6-H_2O(-21)	b_6(-15)	ATSEYQ(60) y_5(-33)	y_{11}-H_2O^{+2}(-46)
704.2613	**722.2835**	**730.8261**	**740.2863**	**772.3447**	**781.3600**	**885.3315**	**888.3780**	**897.3746**	**903.3674**
	b_7-H_2O(-22) y_{12}-NH_3^{+2}(-65)	y_{12}^{+2}(-24)	b_7(-32)	y_{13}-H_2O^{+2}(-23)	ATSEYQT(30) TATSEYQ(30) y_{13}^{+2}(-9.9) y_6(-50)	b_8-H_2O(-35) SEYQTFF-H_2O(-52)		MH-H_2O^{+2}(-40)	b_8(-6.3) SEYQTFF(-23)
906.3875	**909.4185**	**1031.3964**	**1072.4827**	**1132.4157**	**1201.5141**	**1288.5240**	**1389.5561**	**1460.5837**	**1540.5791**
MH^{+2}(-31)	y_7(-43)	b_9(-34)	y_8(-36)	b_{10}(-56)	y_9(-41)	y_{10}(-56)	y_{11}(-63)	y_{12}(-66)	b_{13}(-52)

[–] **Main Sequence Ions**

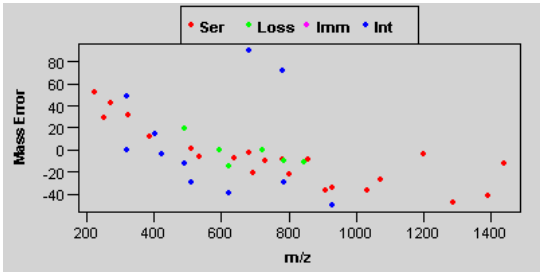
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1724.7915	862.8994
352.1503	3	T	1561.7281	781.3677
423.1874	4	A	1460.6805	730.8439
524.2351	5	T	1389.6434	695.3253
611.2671	6	S	1288.5957	644.8015
740.3097	7	E	1201.5636	601.2855
903.3731	8	Y	1072.5211	536.7642
1031.4316	9	Q	909.4577	455.2325
1132.4793	10	T	781.3991	391.2032
1279.5477	11	F	680.3515	340.6794
1426.6161	12	F	533.2831	267.1452
1540.6591	13	N	386.2146	193.6110
1637.7118	14	P	272.1717	136.5895
---	15	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATSEYQTFFNPR^{+2}



Max Intensity: **32.9**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **91.8%** Matched Series Intensity: **90.1%**



Sequence: SYATSEYQTFFNPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H108 N19 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1711.8393	1710.7758	856.4234	855.8916

[–] **Peak Matches**

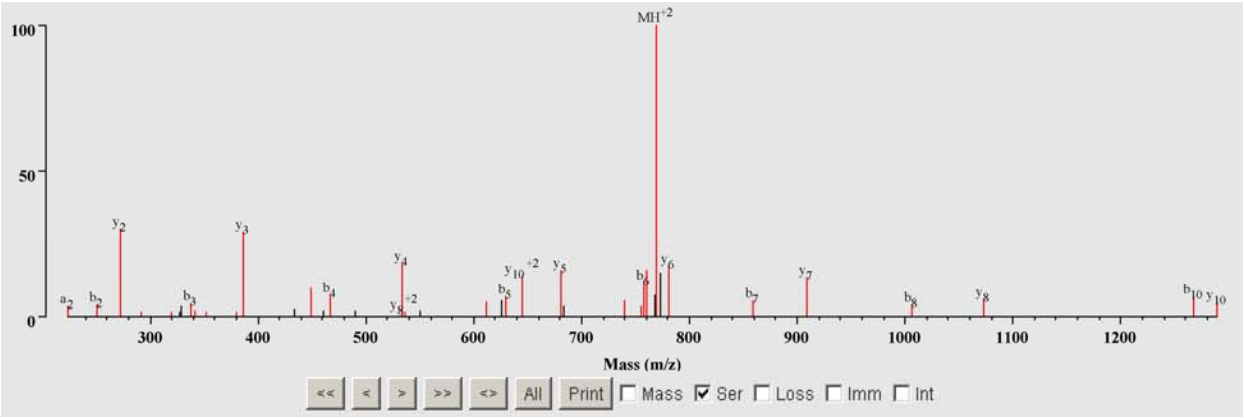
223.1194	251.1100	272.1833	318.1449	322.1496	329.1927	386.2193	405.1826	423.1858	431.1701
a_2(52)	b_2(29)	y_2(43)	TSE(48) YAT-H_2O(0.21)	b_3(31)		y_3(12)	b_4-H_2O(14) YATS-H_2O(14)	b_4(-3.8) YATS(-3.8)	
457.1757	**474.1971**	**492.2180**	**510.2201**	**520.2064**	**533.2795**	**593.2567**	**603.2494**	**621.2422**	**639.2577**
		b_5-H_2O(19) TFFN-H_2O(-12)	b_5(1.3) TFFN(-29)		y_4(-6.7)	a_6-H_2O(0.22)		b_6-H_2O(-15) QTFFN-NH_3(-39)	b_6(-6.8)
680.3496	**695.3108**	**721.8388**	**730.8370**	**766.3311**	**781.3922**	**784.3076**	**802.3075**	**837.8815**	**846.8769**
ATSEYQ(90) y_5(-2.8)	y_{11}^{+2}(-21)	y_{12}-H_2O^{+2}(0.29)	y_{12}^{+2}(-9.4)		ATSEYQT(72) y_6(-8.9)	b_7-H_2O(-9.2) YQTFFN-NH_3(-29)	b_7(-22)		MH-H_2O^{+2}(-11)
855.8844	**858.8883**	**909.4254**	**930.3526**	**1031.3947**	**1072.4923**	**1201.5599**	**1288.5352**	**1389.5867**	**1439.5942**
MH^{+2}(-8.4)		y_7(-36)	b_8(-34) EYQTFFN(-50)	b_9(-36)	y_8(-27)	y_9(-3.1)	y_{10}(-47)	y_{11}(-41)	b_{12}(-12)

[–] **Main Sequence Ions**

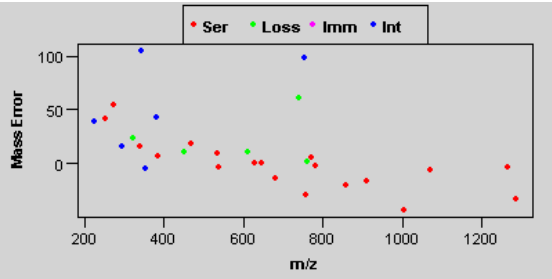
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1623.7438	812.3755
322.1397	3	A	12 1460.6805	730.8439
423.1874	4	T	11 1389.6434	695.3253
510.2195	5	S	10 1288.5957	644.8015
639.2620	6	E	9 1201.5636	601.2855
802.3254	7	Y	8 1072.5211	536.7642
930.3840	8	Q	7 909.4577	455.2325
1031.4316	9	T	6 781.3991	391.2032
1178.5000	10	F	5 680.3515	340.6794
1325.5685	11	F	4 533.2831	267.1452
1439.6114	12	N	3 386.2146	193.6110
1536.6642	13	P	2 272.1717	136.5895
---	14	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSEYQTFFNPR^{+2}



Max Intensity: **42.3**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **88.4%** Matched Series Intensity: **83.7%**



Sequence SYSEYQTFFNPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C71 H96 N17 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1539.6543	1538.6910	770.3308	769.8492

[–] **Peak Matches**

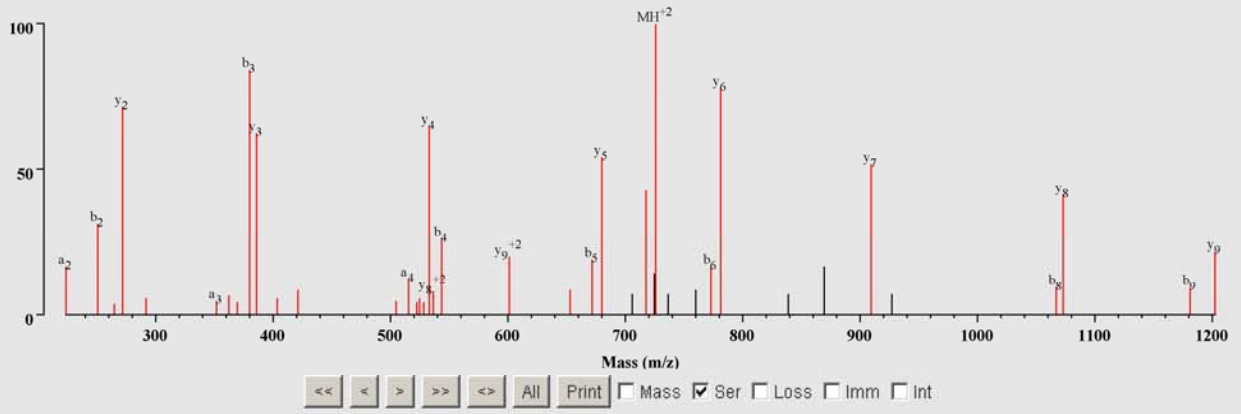
223.1165	251.1130	272.1864	292.1337	320.1314	327.1868	329.1995	338.1401	342.1808	352.1485
a_2(39) YS-28(39)	YS(41) b_2(41)	y_2(54)	a_3-H_2O(15) YQ(15)	b_3-H_2O(23)			b_3(16)	FNP-NH_3(105)	SEY-28(-5.1) YSE-28(-5.1)
380.1615	**386.2174**	**433.2044**	**449.1717**	**461.2499**	**467.1855**	**489.7645**	**533.2882**	**536.7622**	**550.2867**
SEY(43) YSE(43)	y_3(7.1)		b_4-H_2O(11)		b_4(18)		y_4(9.6)	y_8^{+2}(-3.7)	
612.2361	**626.3121**	**630.2403**	**644.8017**	**680.3422**	**683.3248**	**740.3338**	**755.3622**	**758.2764**	**760.8446**
b_5-H_2O(9.9)		b_5(-0.45)	y_{10}^{+2}(0.35)	y_5(-14)		b_6-H_2O(61)	YSEYQT-NH_3(98)	b_6(-30)	MH-H_2O^{+2}(0.96)
768.3680	**769.8535**	**772.8498**	**781.3968**	**859.3293**	**909.4426**	**1006.3708**	**1072.5140**	**1267.5222**	**1288.5522**
	MH^{+2}(5.6)		y_6(-3.0)	b_7(-20)	y_7(-17)	b_8(-44)	y_8(-6.6)	b_{10}(-3.5)	y_{10}(-34)

[–] **Main Sequence Ions**

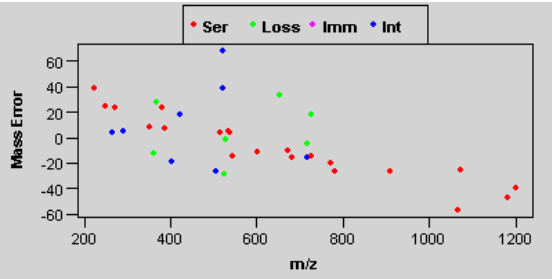
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1451.6590	726.3331
338.1347	3	S	10	1288.5957	644.8015
467.1773	4	E	9	1201.5636	601.2855
630.2406	5	Y	8	1072.5211	536.7642
758.2992	6	Q	7	909.4577	455.2325
859.3468	7	T	6	781.3991	391.2032
1006.4153	8	F	5	680.3515	340.6794
1153.4837	9	F	4	533.2831	267.1452
1267.5266	10	N	3	386.2146	193.6110
1364.5794	11	P	2	272.1717	136.5895
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEYQTFFNPR^{+2}



Max Intensity: **19.9**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **92.2%** Matched Series Intensity: **92.0%**



Sequence SYEYQTFFNPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C68 H91 N16 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1452.5756	1451.6590	726.7915	726.3331

[–] **Peak Matches**

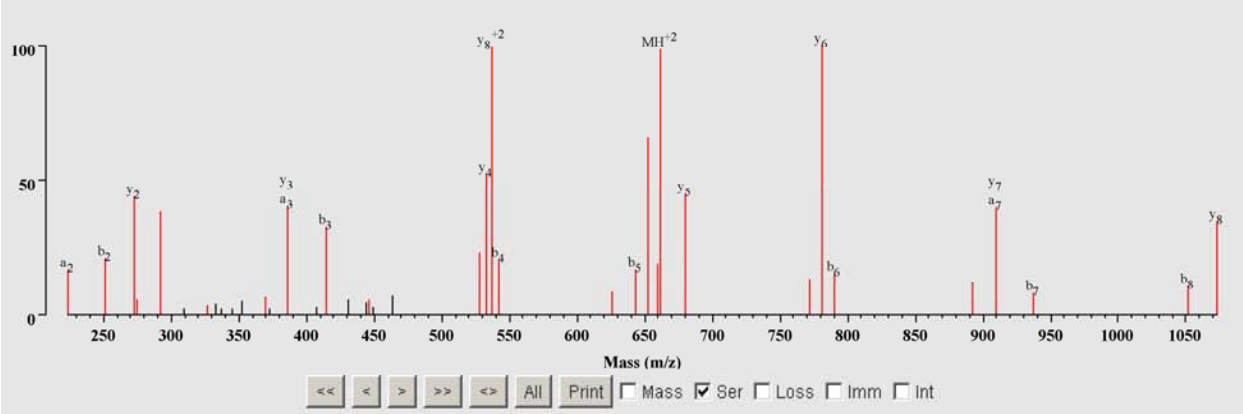
223.1164	251.1088	265.1192	272.1780	292.1306	352.1532	362.1304	369.1986	380.1541	386.2172
a_2(39)	b_2(25)	EY-28(3.5) YE-28(3.5)	y_2(23)	YQ(4.9)	a_3(8.2)	b_3-H_2O(-12)	y_3-NH_3(28)	b_3(23)	y_3(6.6)
403.1535	**421.1793**	**504.1957**	**515.2156**	**522.2549**	**525.1828**	**527.7581**	**533.2857**	**536.7661**	**543.2005**
EYQ-H_2O(-19)	EYQ(18)	EYQT-H_2O(-26)	a_4(3.8)	EYQT(68) YQTF-H_2O(39)	b_4-H_2O(-29)	y_8-H_2O^{+2}(-1.5)	y_4(5.0)	y_8^{+2}(3.6)	b_4(-15)
601.2790	**653.2781**	**671.2602**	**680.3404**	**705.6951**	**717.3243**	**724.3494**	**726.3221**	**736.3283**	**760.0147**
y_9^{+2}(-11)	b_5-H_2O(33)	b_5(-10)	y_5(-16)		MH-H_2O^{+2}(-5.0) QTFFNP-H_2O(-16)		a_6-H_2O(18) MH^{+2}(-15)		
772.2995	**781.3781**	**838.3220**	**869.6449**	**909.4333**	**927.4523**	**1066.3911**	**1072.4939**	**1180.4394**	**1201.5169**
b_6(-20)	y_6(-27)			y_7(-27)		b_8(-57)	y_8(-25)	b_9(-47)	y_9(-39)

[–] **Main Sequence Ions**

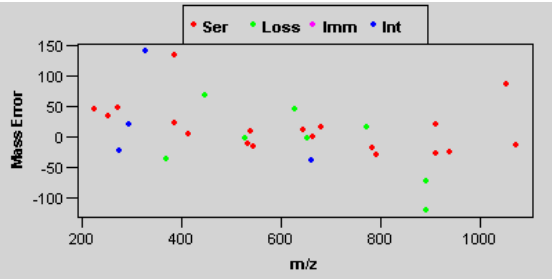
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1364.6270	682.8171
380.1452	3	E 9	1201.5636	601.2855
543.2086	4	Y 8	1072.5211	536.7642
671.2671	5	Q 7	909.4577	455.2325
772.3148	6	T 6	781.3991	391.2032
919.3832	7	F 5	680.3515	340.6794
1066.4516	8	F 4	533.2831	267.1452
1180.4946	9	N 3	386.2146	193.6110
1277.5473	10	P 2	272.1717	136.5895
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYQTFFNPR^{+2}



Max Intensity: **2.29**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **93.3%** Matched Series Intensity: **91.9%**



Sequence SYYQTFFNPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C63 H84 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1323.4594	1322.6164	662.2334	661.8118

[–] **Peak Matches**

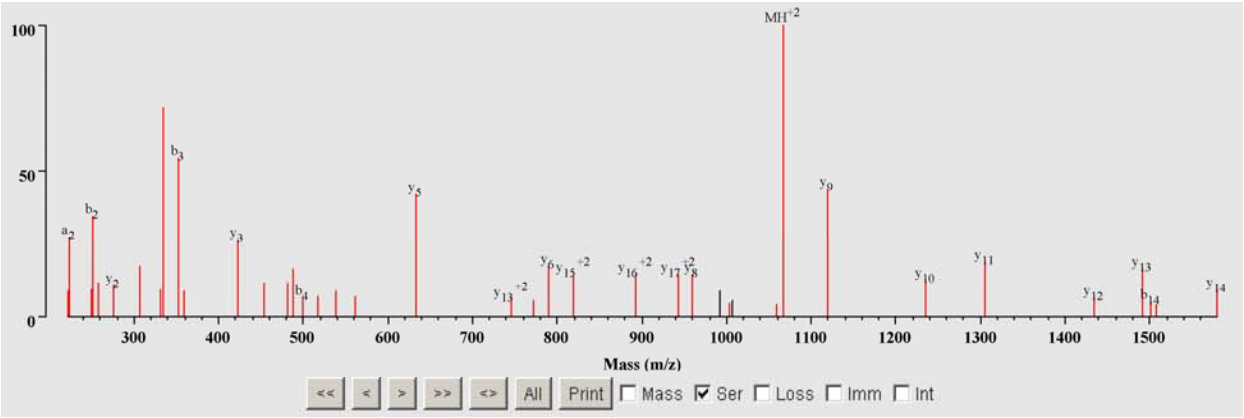
223.1179	**251.1115**	**272.1849**	**275.0967**	**292.1354**	**309.1799**	**327.1799**	**333.2056**	**337.1281**	**345.2389**
a_2(46)	b_2(35)	y_2(48)	YQ-NH_3(-22)	YQ(21)		YY(141)			
352.1663	**369.1745**	**373.0687**	**386.2230**	**407.7660**	**414.1681**	**431.1878**	**444.1814**	**446.2582**	**448.9651**
	y_3-NH_3(-37)		a_3(135) y_3(22)		b_3(5.2)			y_7-H_2O^{+2}(69)	
463.1767	**527.7581**	**533.2773**	**536.7687**	**542.2157**	**626.2742**	**643.2790**	**652.8047**	**659.2937**	**661.3851**
	y_8-H_2O^{+2}(-1.5)	y_4(-11)	y_8^{+2}(8.4)	b_4(-16)	b_5-NH_3(46)	b_5(11)	MH-H_2O^{+2}(-2.9)	YQTFF-28(-38)	
661.8111	**680.3619**	**772.3422**	**781.3842**	**790.3168**	**892.3231**	**909.4323**	**937.3860**	**1051.5424**	**1072.5047**
MH^{+2}(-1.1)	y_5(15)	b_6-H_2O(16)	y_6(-19)	b_6(-30)	a_7-NH_3(-72) y_7-NH_3(-121)	a_7(20) y_7(-28)	b_7(-25)	b_8(86)	y_8(-15)

[–] **Main Sequence Ions**

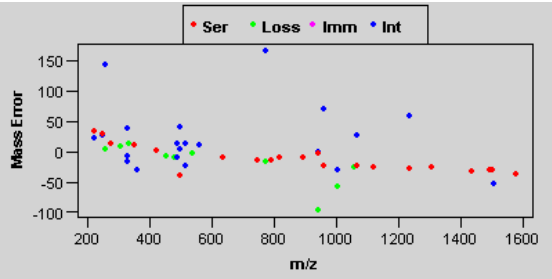
b				y	y^{+2}
---	1	**S**	10	---	---
251.1026	2	**Y**	9	1235.5844	618.2958
414.1660	3	**Y**	8	1072.5211	536.7642
542.2245	4	**Q**	7	909.4577	455.2325
643.2722	5	**T**	6	781.3991	391.2032
790.3406	6	**F**	5	680.3515	340.6794
937.4090	7	**F**	4	533.2831	267.1452
1051.4520	8	**N**	3	386.2146	193.6110
1148.5047	9	**P**	2	272.1717	136.5895
---	10	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTFGSGEADC(Carbamidomethyl)GLRPLFEK^{+2}



Max Intensity: **90.5**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **97.7%**



Sequence: SYTFGSGEADC(Carbamidomethyl)GLRPLFEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C94 H141 N24 O31 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2135.2092	2133.9910	1068.1083	1067.4991

[–] Peak Matches

221.1334	223.1151	249.1299	251.1100	258.1455	276.1588	306.1471	331.1375	334.1442	352.1538
TF-28(22)	a_2(33)	TF(26) FE-28(26)	b_2(29)	GEA(144) y_2-H_2O(2.6)	y_2(12)	TFG(7.4) a_3-H_2O(7.4)	GSGE(38) FGSG-H_2O(-7.8) C(Carbamidomethyl)GL(-18)	b_3-H_2O(13)	b_3(9.9)
358.2018	**423.2248**	**453.2102**	**481.2028**	**487.2503**	**499.1986**	**517.1954**	**538.2278**	**561.2364**	**633.3541**
PLF(-30)	y_3(2.3)	a_4-H_2O(-6.7)	b_4-H_2O(-11)	C(Carbamidomethyl)GLR(12) PLFE(-9.9)	GSGEAD-H_2O(41) ADC(Carbamidomethyl)GL-H_2O(3.3) b_4(-40)	GSGEAD(13) ADC(Carbamidomethyl)GL(-23)	YTFGS-H_2O(-3.4) b_5-H_2O(-3.4)	TFGSGE-H_2O(11)	y_5(-10)
746.3560	**772.4211**	**789.4497**	**818.3850**	**891.9189**	**942.4489**	**959.5449**	**991.4784**	**1003.3949**	**1006.4279**
y_{13}^{+2}(-14)	SGEADC(Carbamidomethyl)GL-H_2O(166) y_6-NH_3(-18)	y_6(-15)	y_{15}^{+2}(-10)	y_{16}^{+2}(-9.8)	DC(Carbamidomethyl)GLRPLF-NH_3(-1.4) y_{17}^{+2}(-2.7) y_8-NH_3(-97)	DC(Carbamidomethyl)GLRPLF(71) y_8(-23)		GSGEADC(Carbamidomethyl)GLR(-31) b_{18}+H_2O^{+2}(-57)	
1058.4678	**1067.4743**	**1119.5673**	**1234.5885**	**1305.6280**	**1434.6576**	**1491.6807**	**1501.5914**	**1507.6190**	**1578.6990**
MH-H_2O^{+2}(-25)	TFGSGEADC(Carbamidomethyl)GL-28(26) MH^{+2}(-23)	y_9(-27)	TFGSGEADC(Carbamidomethyl)GLR-NH_3(59) y_{10}(-29)	y_{11}(-26)	y_{12}(-33)	y_{13}(-30)	b_{14}(-31)	FGSGEADC(Carbamidomethyl)GLRPLF(-54)	y_{14}(-37)

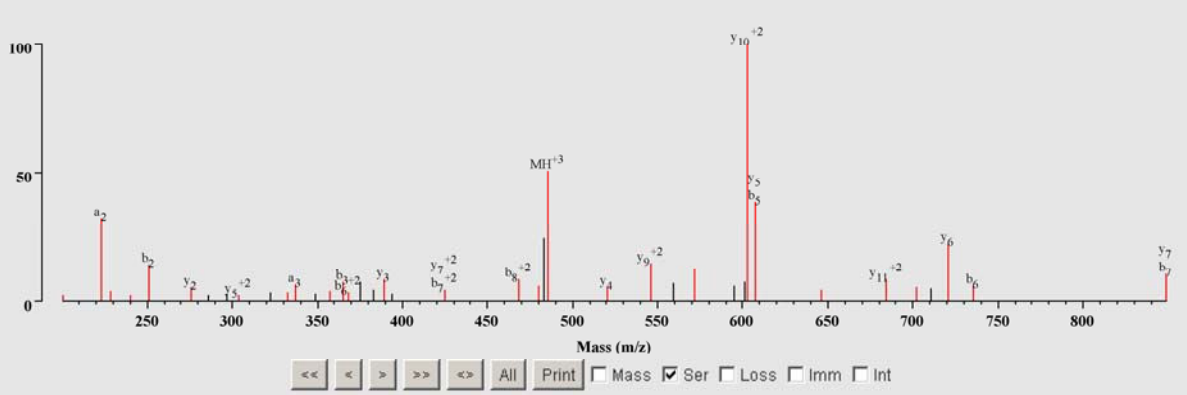
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	19	---	---
251.1026	---	2	**Y**	18	2046.9590	1023.9831
352.1503	---	3	**T**	17	1883.8956	942.4515
499.2187	---	4	**F**	16	1782.8479	891.9276
556.2402	---	5	**G**	15	1635.7795	818.3934
643.2722	---	6	**S**	14	1578.7581	789.8827
700.2937	---	7	**G**	13	1491.7260	746.3667
829.3363	---	8	**E**	12	1434.7046	717.8559
900.3734	---	9	**A**	11	1305.6620	653.3346
1015.4003	---	10	**D**	10	1234.6249	617.8161
1175.4310	---	11	**C(Carbamidomethyl)**	9	1119.5979	560.3026

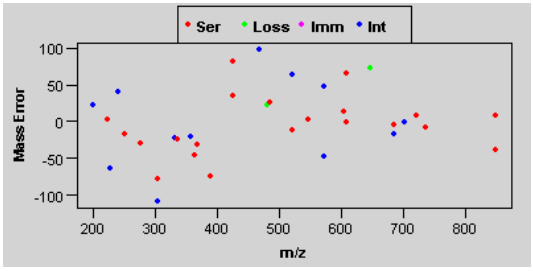
1232.4524	---	12	**G**	8	959.5673	480.2873
1345.5365	---	13	**L**	7	902.5458	451.7765
1501.6376	751.3224	14	**R**	6	789.4618	395.2345
1598.6904	799.8488	15	**P**	5	633.3606	317.1840
1711.7744	856.3909	16	**L**	4	536.3079	268.6576
1858.8429	929.9251	17	**F**	3	423.2238	212.1155
1987.8855	994.4464	18	**E**	2	276.1554	138.5813
---	---	19	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNIEKISMLEK^{+3}



Max Intensity: **6.39**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **83.8%** Matched Series Intensity: **81.9%**



Sequence SYNIEKISMLEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C64 H108 N15 O21 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1455.7238	1454.7559	728.3656	727.8816	485.9129	485.5902

[–] **Peak Matches**

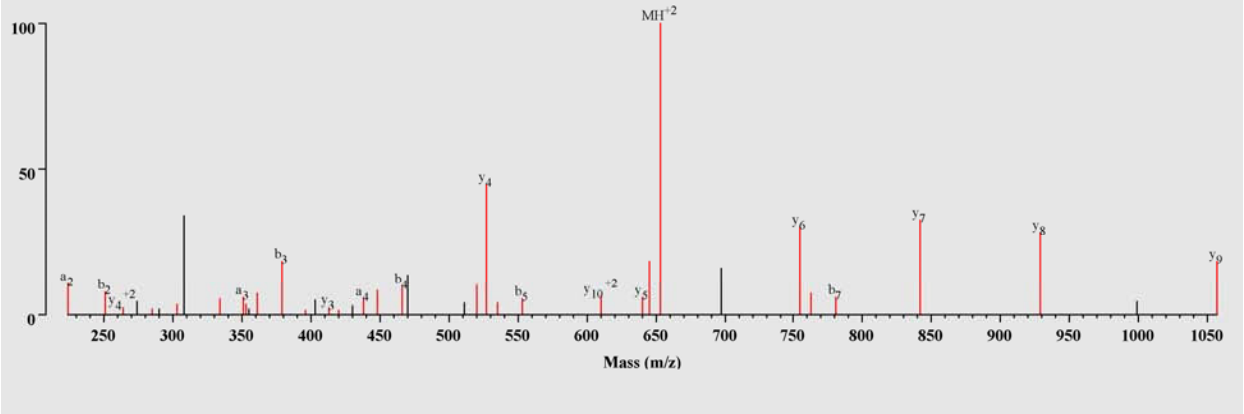
200.1439	**223.1082**	**228.1197**	**240.1439**	**251.0982**	**276.1473**	**286.1694**	**297.1218**	**304.1359**	**322.1395**
NI-28(23)	a_2(2.2)	NI(-64)	EK-H_2O(40)	b_2(-18)	y_2(-29)			y_5^{+2}(-78) SML-28(-109) ISM-28(-109)	
332.1561	**337.1427**	**349.1262**	**357.1694**	**365.1288**	**368.1755**	**375.2137**	**383.1964**	**389.2108**	**394.2494**
SML(-23) ISM(-23)	a_3(-24)		NIE(-21)	b_3(-46)	b_6^{+2}(-32)			y_3(-74)	
424.7640	**468.2913**	**480.2757**	**483.3089**	**485.6027**	**520.2737**	**545.8136**	**559.3501**	**571.3182**	**594.8238**
b_7^{+2}(82) y_7^{+2}(35)	b_8^{+2}(98) NIEK-NH_3(98)	y_8-H_2O^{+2}(22)		MH^{+3}(26)	YNIE(64) y_4(-12)	y_9^{+2}(2.1)		EKISM-H_2O(48) IEKIS(-47)	
601.3329	**602.8425**	**607.3115**	**646.3618**	**684.3624**	**702.3843**	**710.3462**	**720.4016**	**735.3606**	**848.4587**
	y_{10}^{+2}(14)	b_5(65) y_5(-0.80)	b_{11}-NH_3^{+2}(72)	y_{11}^{+2}(-4.7) KISMLE-H_2O(-18) EKISML-H_2O(-18) IEKISM-H_2O(-18)	y_6-H_2O(-1.7) EKISML(-1.7) KISMLE(-1.7) IEKISM(-1.7)		y_6(7.7)	b_6(-8.9)	YNIEKIS(8.8) b_7(8.8) y_7(-38)

[–] **Main Sequence Ions**

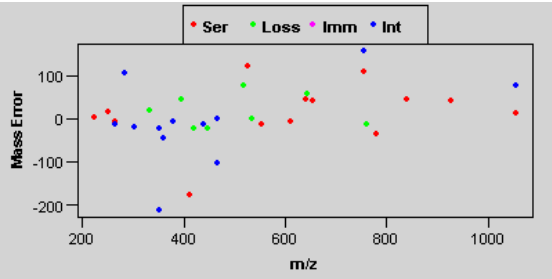
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1367.7239	684.3656
365.1456	---	3	**N**	10	1204.6606	602.8339
478.2296	---	4	**I**	9	1090.6177	545.8125
607.2722	---	5	**E**	8	977.5336	489.2704
735.3672	368.1872	6	**K**	7	848.4910	424.7491
848.4512	424.7293	7	**I**	6	720.3960	360.7017
935.4833	468.2453	8	**S**	5	607.3120	304.1596
1066.5238	533.7655	9	**M**	4	520.2799	260.6436
1179.6078	590.3075	10	**L**	3	389.2395	195.1234
1308.6504	654.8288	11	**E**	2	276.1554	138.5813
---	---	12	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQSSNLNEHK^{+2}



Max Intensity: **5.11**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **82.5%** Matched Series Intensity: **77.1%**



Sequence: SYQSSNLNEHK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H84 N17 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1307.3704	1306.6022	654.1889	653.8047

[–] **Peak Matches**

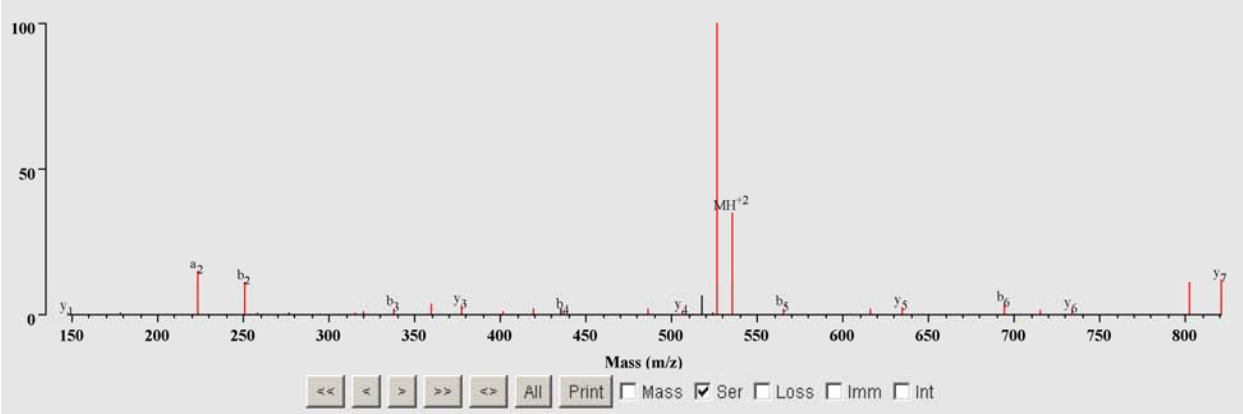
223.1085	251.1062	264.1304	274.1801	285.1489	290.1051	303.1239	308.1220	334.1458	351.1582
a_2(3.5)	b_2(14)	y_4^{+2}(-7.0) YQ-28(-15)		QSS-H_2O(104)		QSS(-20)		a_3-NH_3(18)	a_3(-23) YQS-28(-23)
353.0814	**355.0706**	**361.1345**	**379.1586**	**396.2056**	**403.1529**	**413.1407**	**420.1780**	**430.1553**	**438.1929**
NEH-28(-213)		b_3-H_2O(-45) YQS-H_2O(-45)	b_3(-6.9) YQS(-6.9)	y_3-NH_3(45)		y_3(-178)	a_4-H_2O(-23)		a_4(-12) YQSS-28(-12)
448.1722	**466.1928**	**470.3049**	**511.2352**	**519.7914**	**527.3205**	**535.2147**	**553.2183**	**610.2848**	**640.3686**
YQSS-H_2O(-23) b_4-H_2O(-23)	b_4(-0.94) YQSS(-0.94) LNEH-28(-103)			y_9-H_2O^{+2}(76)	y_4(120)	b_5-H_2O(-0.0057)	b_5(-13)	y_{10}^{+2}(-6.4)	y_5(43)
644.8356	**653.8307**	**697.4143**	**754.4663**	**762.3319**	**780.3253**	**841.4540**	**928.4859**	**999.4124**	**1056.5208**
MH-H_2O^{+2}(56)	MH^{+2}(40)		SSNLNEH-28(157) y_6(109)	b_7-H_2O(-13)	b_7(-35)	y_7(45)	y_8(41)		YQSSNLNEH-NH_3(78) y_9(13)

[–] **Main Sequence Ions**

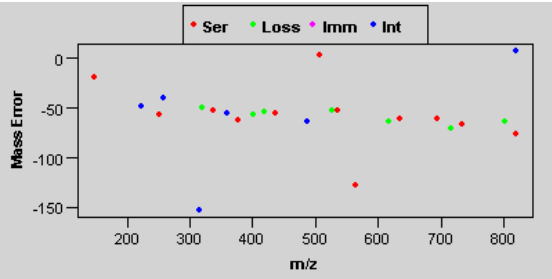
b	b^{+2}			y	y^{+2}
---	---	1	**S** 11	---	---
251.1026	---	2	**Y** 10	1219.5702	610.2887
379.1612	---	3	**Q** 9	1056.5069	528.7571
466.1932	---	4	**S** 8	928.4483	464.7278
553.2253	---	5	**S** 7	841.4163	421.2118
667.2682	---	6	**N** 6	754.3842	377.6958
780.3523	---	7	**L** 5	640.3413	320.6743
894.3952	---	8	**N** 4	527.2572	264.1323
1023.4378	---	9	**E** 3	413.2143	207.1108
1160.4967	580.7520	10	**H** 2	284.1717	142.5895
---	---	11	**K** 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVKEETK^{+2}



Max Intensity: **343**
Num Matched: **24/30 (20.0% unmatched)** Matched Intensity: **94.9%** Matched Series Intensity: **87.6%**



Sequence SYSVKEETK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C46 H76 N11 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1071.1792	1070.5364	536.0933	535.7719

[–] **Peak Matches**

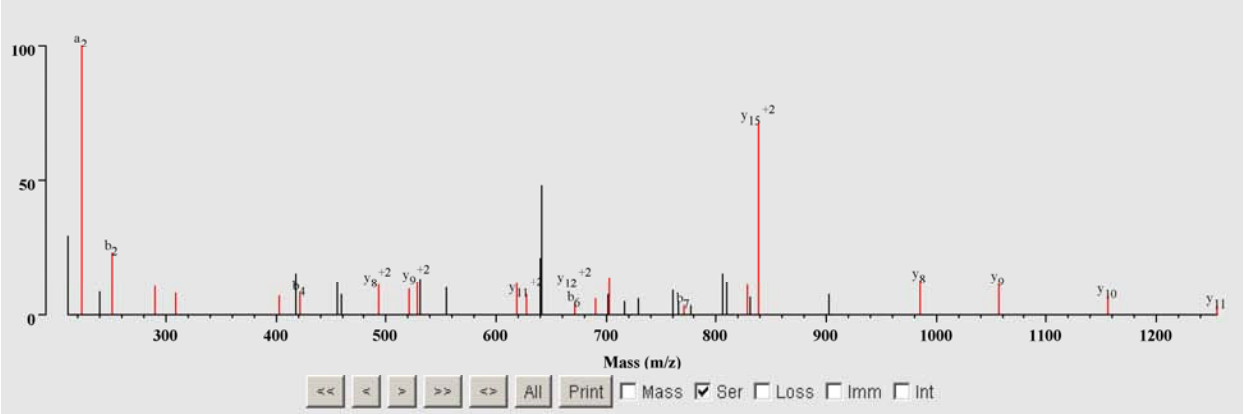
147.1100	178.0801	223.0971	251.0884	258.1344	276.1460	315.1545	320.1082	338.1166	359.1726
y_1(-19)		a_2(-48) YS-28(-48)	YS(-57) b_2(-57)	KE(-40)		SVK(-153)	b_3-H_2O(-50)	b_3(-53)	y_3-H_2O(-55) KEE-28(-55)
377.1797	**401.6965**	**419.1697**	**435.7023**	**437.1792**	**486.2246**	**506.2472**	**517.7314**	**524.0773**	**526.3872**
y_3(-62)	y_7-H_2O^{+2}(-56)	b_4-H_2O(-54)		b_4(-55)	VKEE(-64)	y_4(3.0)			
526.7390	**535.7433**	**565.2259**	**616.2907**	**634.3019**	**694.2985**	**715.3477**	**733.3603**	**802.3795**	**820.3787**
MH-H_2O^{+2}(-52)	MH^{+2}(-53)	b_5(-128)	y_5-H_2O(-64)	y_5(-61)	b_6(-61)	y_6-H_2O(-71)	y_6(-66)	y_7-H_2O(-64)	YSVKEET-NH_3(7.8) y_7(-76)

[–] **Main Sequence Ions**

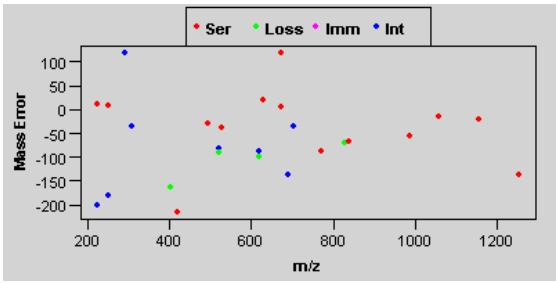
b	b^{+2}			y	y^{+2}
---	---	1	S 9	---	---
251.1026	---	2	Y 8	983.5044	492.2558
338.1347	---	3	S 7	820.4411	410.7242
437.2031	---	4	V 6	733.4090	367.2082
565.2980	283.1527	5	K 5	634.3406	317.6740
694.3406	347.6740	6	E 4	506.2457	253.6265
823.3832	412.1953	7	E 3	377.2031	189.1052
924.4309	462.7191	8	T 2	248.1605	124.5839
---	---	9	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLGYSVVAINHIVDFK^{+3}



Max Intensity: **5.99**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **59.4%** Matched Series Intensity: **59.4%**



Sequence SYLGYSVVAINHIVDFK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C91 H138 N21 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1926.2364	1925.0167	963.6219	963.0120	642.7504	642.3438

[–] Peak Matches

210.1138	223.1103	240.1286	251.1048	290.1482	308.1131	403.1320	418.1938	421.1173	455.2132
	YS-28(12) a_2(12) HI-28(-202)		YS(8.6) b_2(8.6) HI(-181)	GYS-H_2O(119)	GYS(-36)	LGYS-H_2O(-163) b_4-H_2O(-163)		LGYS(-216) b_4(-216)	
459.2381	**493.2621**	**520.2345**	**528.7760**	**531.2816**	**555.2773**	**619.2902**	**627.8758**	**640.3033**	**641.2639**
	y_8^{+2}(-30)	YSVVA(-81) LGYSV(-81) y_9-NH_3^{+2}(-92)	y_9^{+2}(-37)			LGYSVV(-88) y_{11}-NH_3^{+2}(-98)	y_{11}^{+2}(19)		
671.3836	**690.2884**	**701.3647**	**703.3637**	**716.3640**	**728.8036**	**760.8384**	**765.8900**	**770.3042**	**777.4044**
b_6(119) y_{12}^{+2}(5.5)	LGYSVVA(-136) GYSVVAI(-136)		SVVAINH-H_2O(-35)					b_7(-88)	
805.9339	**809.3583**	**828.9001**	**831.4332**	**837.9076**	**902.4481**	**985.4900**	**1056.5667**	**1155.6292**	**1254.5502**
		y_{15}-H_2O^{+2}(-71)		y_{15}^{+2}(-68)		y_8(-57)	y_9(-16)	y_{10}(-20)	y_{11}(-136)

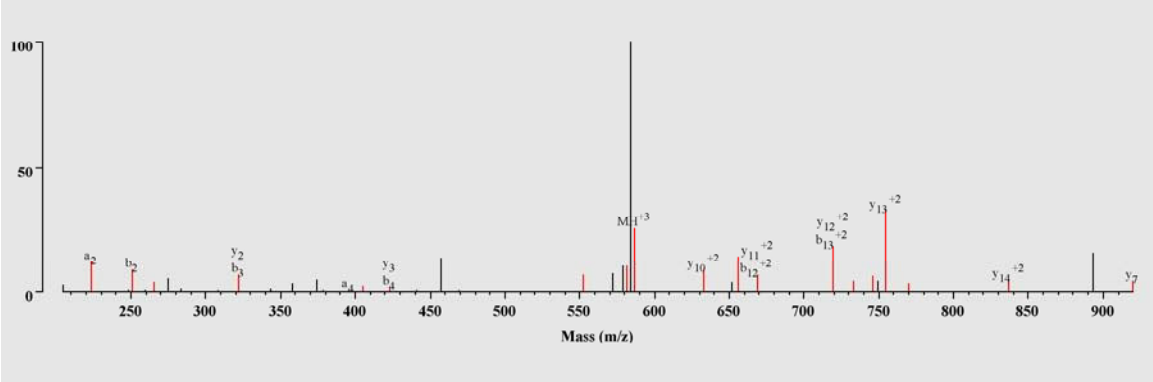
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 17	---	---
251.1026	---	2	**Y** 16	1837.9847	919.4960
364.1867	---	3	**L** 15	1674.9214	837.9643
421.2082	---	4	**G** 14	1561.8373	781.4223
584.2715	---	5	**Y** 13	1504.8158	752.9116
671.3035	---	6	**S** 12	1341.7525	671.3799
770.3719	---	7	**V** 11	1254.7205	627.8639
869.4403	---	8	**V** 10	1155.6521	578.3297
940.4775	---	9	**A** 9	1056.5837	528.7955
1053.5615	---	10	**I** 8	985.5465	493.2769
1167.6045	---	11	**N** 7	872.4625	436.7349
1304.6634	652.8353	12	**H** 6	758.4196	379.7134
1417.7474	709.3774	13	**I** 5	621.3606	311.1840
1516.8158	758.9116	14	**V** 4	508.2766	254.6419
1631.8428	816.4250	15	**D** 3	409.2082	205.1077
1778.9112	889.9592	16	**F** 2	294.1812	147.5942

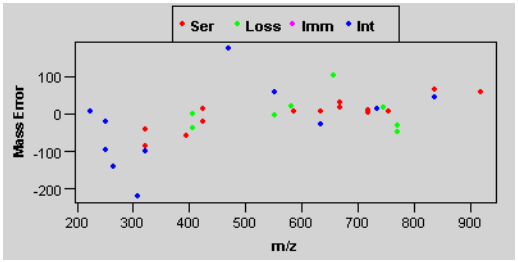
---	---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATAKAFMDSYTM(Oxidation)R^{+3}



Max Intensity: **21.2**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **47.4%** Matched Series Intensity: **42.1%**



Sequence SYATAKAFMDSYTM(Oxidation)R

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C76 H116 N19 O25 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1759.8479	1758.7826	880.4277	879.8949	587.2876	586.9324

[–] **Peak Matches**

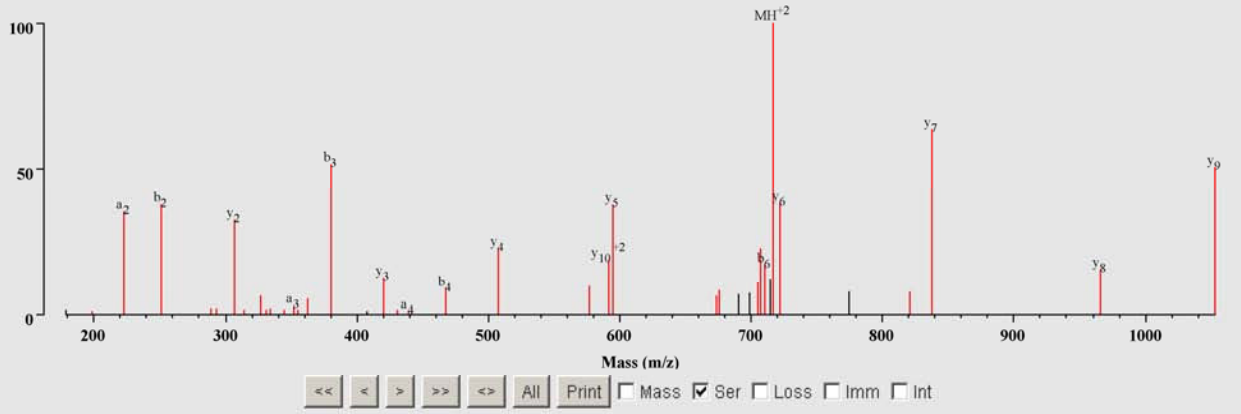
204.1305	223.1088	248.0558	251.0973	259.1536	265.0809	275.1672	283.0752	308.0926	322.1264
	a_2(4.8) SY-28(4.8)		b_2(-21) SY(-21) FM-28(-95)		YT(-141)			YAT-28(-220)	b_3(-41) y_2(-87) AFM-28(-99)
343.1692	**358.2135**	**374.2302**	**378.1478**	**395.1693**	**405.1759**	**423.1934**	**440.7242**	**457.2476**	**469.2568**
				a_4(-59)	b_4-H_2O(-2.4) y_3-H_2O(-38)	b_4(14) y_3(-20)			MDSY-28(174)
552.2430	**571.7616**	**579.2502**	**581.2681**	**583.7535**	**584.2567**	**586.9366**	**633.2895**	**651.7849**	**656.3382**
AFMDS(56) y_{14}-NH_3^{+3}(-5.8)			MH-NH_3^{+3}(19)			MH^{+3}(7.2)	y_{10}^{+2}(5.1) TAKAFM-NH_3(-27)		y_5-NH_3(103)
668.8172	**719.3296**	**733.3441**	**746.3454**	**749.3733**	**754.8509**	**770.2903**	**836.4333**	**893.4381**	**919.4179**
b_{12}^{+2}(29) y_{11}^{+2}(18)	b_{13}^{+2}(11) y_{12}^{+2}(1.3)	AKAFMDS-H_2O(14)	y_{13}-NH_3^{+2}(15)		y_{13}^{+2}(4.8)	y_6-H_2O(-30) a_{14}-NH_3^{+2}(-49)	y_{14}^{+2}(65) ATAKAFMD(43)		y_7(58)

[–] **Main Sequence Ions**

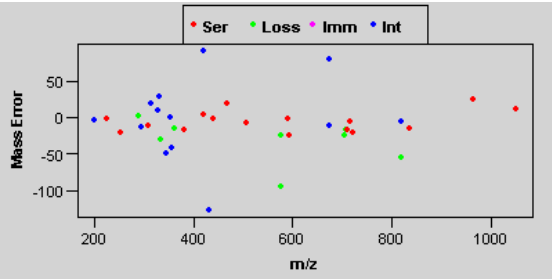
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1671.7505	836.3789
322.1397	---	3	**A**	13	1508.6872	754.8472
423.1874	---	4	**T**	12	1437.6501	719.3287
494.2245	---	5	**A**	11	1336.6024	668.8048
622.3195	311.6634	6	**K**	10	1265.5653	633.2863
693.3566	347.1819	7	**A**	9	1137.4703	569.2388
840.4250	420.7162	8	**F**	8	1066.4332	533.7203
971.4655	486.2364	9	**M**	7	919.3648	460.1860
1086.4925	543.7499	10	**D**	6	788.3243	394.6658
1173.5245	587.2659	11	**S**	5	673.2974	337.1523
1336.5878	668.7975	12	**Y**	4	586.2654	293.6363
1437.6355	719.3214	13	**T**	3	423.2020	212.1047
1584.6709	792.8391	14	**M(Oxidation)**	2	322.1544	161.5808
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYESQDQSSLC(Carbamidomethyl)K^{+2}



Max Intensity: **5.78**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.6%** Matched Series Intensity: **93.4%**



Sequence: SYESQDQSSLC(Carbamidomethyl)K
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H91 N16 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1432.3494	1431.6056	716.6784	716.3065

[–] Peak Matches

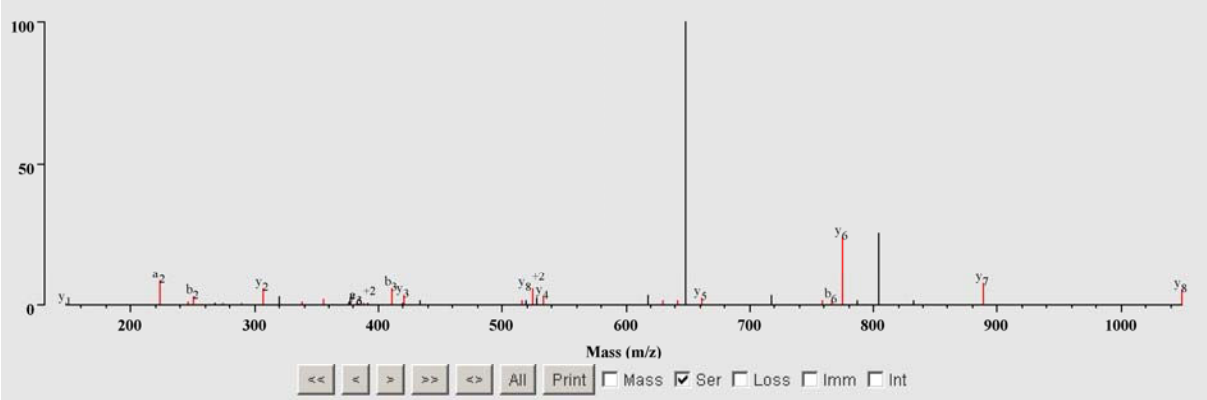
178.0809	198.0864	223.1074	251.0973	289.1365	293.1093	307.1397	314.1043	327.1333	331.1343
	QS-H_2O(-4.6) SQ-H_2O(-4.6)	a_2(-1.4)	b_2(-21)	y_5-NH_3^{+2}(1.2)	YE(-13)	y_2(-12)	SQD-NH_3(19) DQS-NH_3(19)	ESQ-H_2O(10)	SQD(29) DQS(29)
334.1294	**345.1236**	**352.1503**	**355.1103**	**362.1294**	**380.1383**	**408.0942**	**420.2293**	**431.1338**	**439.1816**
a_3-H_2O(-31)	ESQ(-49)	a_3(-0.034) YES-28(-0.034)	QDQ-NH_3(-41)	YES-H_2O(-15) b_3-H_2O(-15)	YES(-18) b_3(-18)		SSLC(Carbamidomethyl)-28(91) y_3(4.2)	SQDQ-28(-127) QDQS-28(-127)	a_4(-1.7)
467.1861	**507.2557**	**577.2109**	**591.2579**	**594.2767**	**673.2527**	**675.3123**	**690.2853**	**698.3161**	**705.3069**
b_4(19)	y_4(-7.6)	b_5-H_2O(-25) y_5-NH_3(-94)	y_{10}^{+2}(-1.5)	y_5(-25)	DQSSLC(Carbamidomethyl)-H_2O(-12)	ESQDQS(80)			y_6-NH_3(-24)
707.2891	**710.2500**	**714.3145**	**716.3017**	**722.3358**	**774.3833**	**820.3062**	**837.3646**	**965.4585**	**1052.4804**
MH-H_2O^{+2}(-17)	b_6(-18)		MH^{+2}(-6.6)	y_6(-20)		b_7-H_2O(-5.6) YESQDQS-H_2O(-5.6) y_7-NH_3(-54)	y_7(-15)	y_8(24)	y_9(12)

[–] Main Sequence Ions

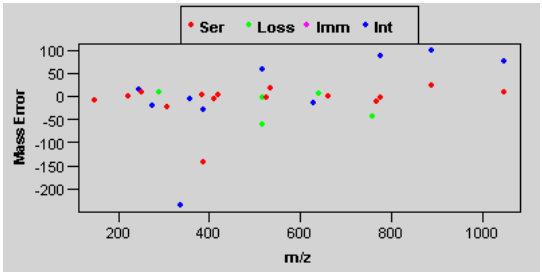
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1344.5736	672.7904
380.1452	3	E	10	1181.5103	591.2588
467.1773	4	S	9	1052.4677	526.7375
595.2358	5	Q	8	965.4357	483.2215
710.2628	6	D	7	837.3771	419.1922
838.3214	7	Q	6	722.3502	361.6787
925.3534	8	S	5	594.2916	297.6494
1012.3854	9	S	4	507.2595	254.1334
1125.4695	10	L	3	420.2275	210.6174
1285.5001	11	C(Carbamidomethyl)	2	307.1435	154.0754
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)INQLLC(Carbamidomethyl)K^{+2}



Max Intensity: **26.7**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **37.7%** Matched Series Intensity: **37.1%**



Sequence SYC(Carbamidomethyl)INQLLC(Carbamidomethyl)K
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C55 H92 N15 O17 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1299.2326	1298.6232	650.1200	649.8152

[–] **Peak Matches**

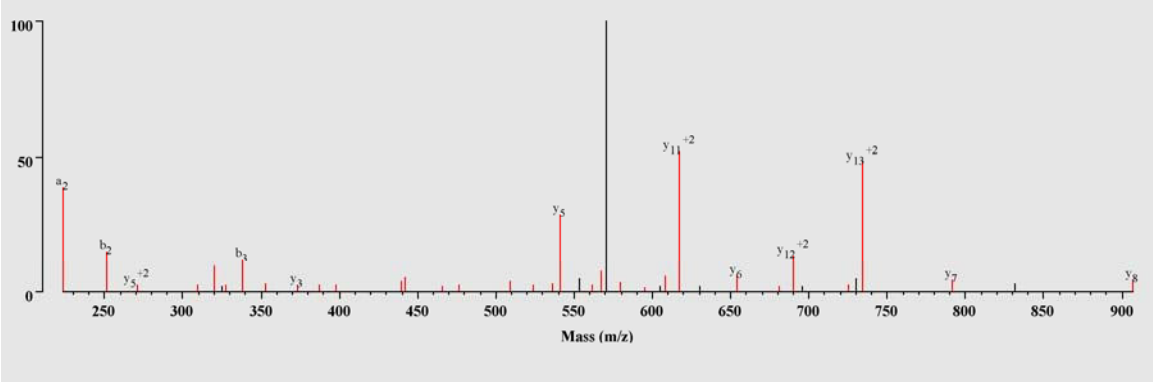
147.1113	223.1074	246.1306	251.1048	268.1239	274.1162	290.1191	307.1364	320.1249	338.1276
y_1(-10)	a_2(-1.4)	C(Carbamidomethyl)I-28(14) LC(Carbamidomethyl)-28(14)	b_2(8.6)		C(Carbamidomethyl)I(-21) LC(Carbamidomethyl)(-21)	y_2-NH_3(7.6)	y_2(-23)		QLL-NH_3(-236)
356.1902	**376.2140**	**377.1932**	**383.1393**	**388.1542**	**391.2016**	**411.1305**	**419.1725**	**420.2293**	**433.2077**
INQ(-7.4) NQL(-7.4)			a_3(2.4)	C(Carbamidomethyl)IN(-28) y_6^{+2}(-144)		b_3(-6.8)		y_3(4.2)	
516.2530	**518.7571**	**524.7654**	**527.7641**	**533.3213**	**618.3464**	**629.2989**	**641.3061**	**647.8351**	**648.3580**
C(Carbamidomethyl)INQ(57) y_8-NH_3^{+2}(-2.4) y_4-NH_3(-62)		y_8^{+2}(-4.1)		y_4(18)		C(Carbamidomethyl)INQL(-14) NQLLC (Carbamidomethyl)(-14)	MH-NH_3^{+2} (6.5)		
661.3697	**717.4015**	**758.3527**	**766.3103**	**775.4107**	**786.4194**	**804.4435**	**832.4442**	**888.5165**	**1048.5383**
y_5(-0.69)		y_6-NH_3(-45)	b_6(-11)	YC(Carbamidomethyl)INQL-NH_3(86) y_6(-3.0)				YC(Carbamidomethyl)INQLL-NH_3(99) y_7(22)	YC(Carbamidomethyl)INQLLC (Carbamidomethyl)-NH_3(76) y_8(10)

[–] **Main Sequence Ions**

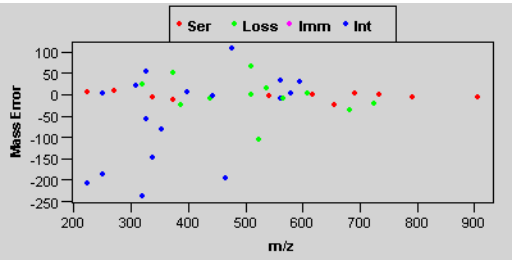
b				y	y^{+2}
---	1	**S**	10	---	---
251.1026	2	**Y**	9	1211.5911	606.2992
411.1333	3	**C(Carbamidomethyl)**	8	1048.5278	524.7675
524.2173	4	**I**	7	888.4971	444.7522
638.2603	5	**N**	6	775.4131	388.2102
766.3189	6	**Q**	5	661.3702	331.1887
879.4029	7	**L**	4	533.3116	267.1594
992.4870	8	**L**	3	420.2275	210.6174
1152.5176	9	**C(Carbamidomethyl)**	2	307.1435	154.0754
---	10	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFPTQDHLPATPR^{+3}



Max Intensity: **32.2**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **71.3%** Matched Series Intensity: **70.7%**



Sequence SYSFPTQDHLPATPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C77 H114 N21 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1717.8901	1716.8340	859.4488	858.9206	573.3017	572.9495

[–] **Peak Matches**

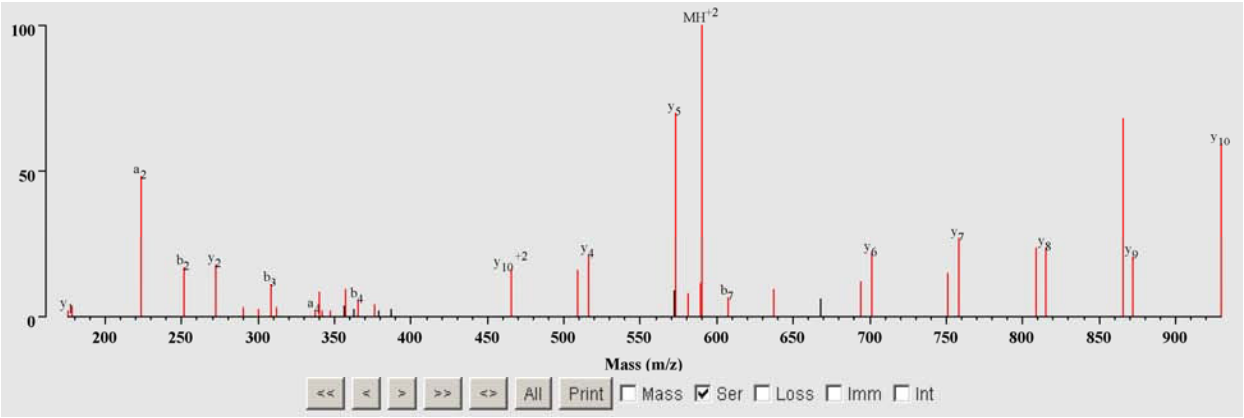
223.1089	251.1033	271.1608	309.1622	320.1320	325.1517	327.1480	338.1320	353.1282	373.2154
YS-28(5.3) a_2(5.3) HL-28(-208)	b_2(2.7) YS(2.7) HL(-187)	y_5^{+2}(9.3)	PTQ-H_2O(21)	b_3-H_2O(25) HLP-28(-238)		TQD-H_2O(55) PTQ(-56)	b_3(-7.9) DHL-28(-149)	QDH-28(-81)	y_{10}-H_2O^{+3}(51) y_3(-11)
387.2154	**398.1729**	**439.1935**	**442.1914**	**466.1492**	**476.2768**	**509.2586**	**524.2268**	**536.2579**	**541.3080**
y_7-H_2O^{+2}(-23)	YSF(4.7)	a_4-H_2O(-9.3)	PTQD(-4.2)	QDHL-28(-197)	QDHL-H_2O(108)	a_9-H_2O^{+2}(66) y_9-NH_3^{+2}(-1.3)	y_5-NH_3(-107)	a_5-H_2O(14)	y_5(-2.4)
553.2743	**561.2609**	**566.9408**	**570.3168**	**579.2539**	**595.3005**	**605.2636**	**607.8181**	**616.8222**	**630.3017**
	PTQDH-H_2O(34) SFPTQ(-10) FPTQD-28(-10)	MH-H_2O^{+3}(-9.2)		PTQDH(3.0)	TQDHL(29)		y_{11}-H_2O^{+2}(1.1)	y_{11}^{+2}(-0.88)	
654.3768	**681.3268**	**690.3580**	**695.3625**	**724.8516**	**730.3808**	**733.8736**	**791.4468**	**831.4250**	**906.4725**
y_6(-25)	y_{12}-H_2O^{+2}(-36)	y_{12}^{+2}(1.5)		y_{13}-H_2O^{+2}(-22)		y_{13}^{+2}(0.87)	y_7(-6.9)		y_8(-7.4)

[–] **Main Sequence Ions**

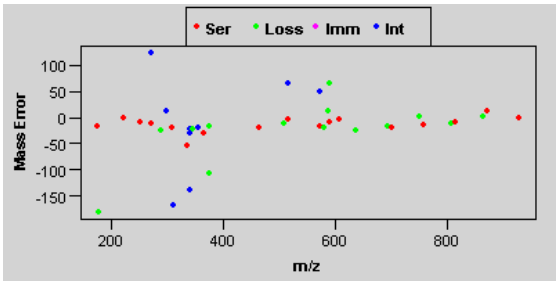
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1629.8020	815.4046
338.1347	---	3	**S**	13	1466.7387	733.8730
485.2031	---	4	**F**	12	1379.7066	690.3570
582.2558	---	5	**P**	11	1232.6382	616.8227
683.3035	---	6	**T**	10	1135.5854	568.2964
811.3621	---	7	**Q**	9	1034.5378	517.7725
926.3890	---	8	**D**	8	906.4792	453.7432
1063.4480	532.2276	9	**H**	7	791.4522	396.2298
1176.5320	588.7696	10	**L**	6	654.3933	327.7003
1273.5848	637.2960	11	**P**	5	541.3093	271.1583
1344.6219	672.8146	12	**A**	4	444.2565	222.6319
1445.6696	723.3384	13	**T**	3	373.2194	187.1133
1542.7223	771.8648	14	**P**	2	272.1717	136.5895
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGGGQGPM(Oxidation)PR^{+2}



Max Intensity: **6.35**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **96.4%** Matched Series Intensity: **95.7%**



Sequence: SYGGGGQGPM(Oxidation)PR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C48 H75 N16 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1180.1303	1179.5211	590.5689	590.2642

[–] Peak Matches

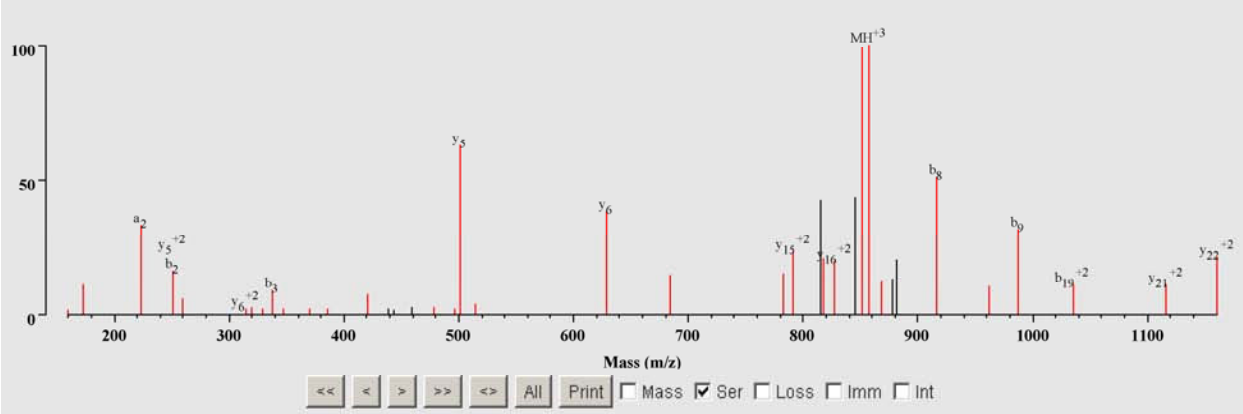
175.1162	178.0758	223.1074	251.1003	272.1687	290.1062	300.1336	308.1176	312.1146	337.1328
y_1(-16)	y_3-SOCH$_4^{+2}$(-181)	a_2(-1.4)	b_2(-9.3)	GGGQ-28(123) GGQG-28(123) y_2(-11)	b_3-H$_2$O(-25)	GGGQ(11) GGQG(11)	b_3(-21)	GQGP-28(-167)	a_4(-53)
340.1146	**342.1408**	**347.1275**	**356.1313**	**357.1448**	**362.1691**	**365.1346**	**376.1552**	**379.1387**	**387.1293**
GGGGQ-NH$_3$(-31) GGGQG-NH$_3$(-31) GQGP(-138)	PM(Oxidation)P(-22)	b_4-H$_2$O(-22)		GGGGQ(-19) GGGQG(-19)		b_4(-30)	a_5-H$_2$O(-17) y_8-SOCH$_4^{+2}$(-108)		
465.2078	**509.2765**	**516.2573**	**572.2144**	**573.2722**	**581.2475**	**589.2434**	**590.2594**	**607.2450**	**637.3261**
y_{10}^{+2}(-19)	y_5-SOCH$_4$(-13)	GGQGPM(Oxidation)-28(65) y_4(-5.0)		GGGQGPM(Oxidation)-28(48) y_5(-16)	MH-H$_2$O^{+2}(-20)	b_7-H$_2$O(12)	b_7-NH$_3$(66) MH^{+2}(-8.1)	b_7(-3.4)	y_6-SOCH$_4$(-24)
668.3400	**694.3522**	**701.3258**	**751.3859**	**758.3501**	**808.3973**	**815.3744**	**865.4288**	**872.4152**	**929.4240**
	y_7-SOCH$_4$(-16)	y_6(-20)	y_8-SOCH$_4$(1.8)	y_7(-15)	y_9-SOCH$_4$(-11)	y_8(-10)	y_{10}-SOCH$_4$(1.5)	y_9(12)	y_{10}(-1.9)

[–] Main Sequence Ions

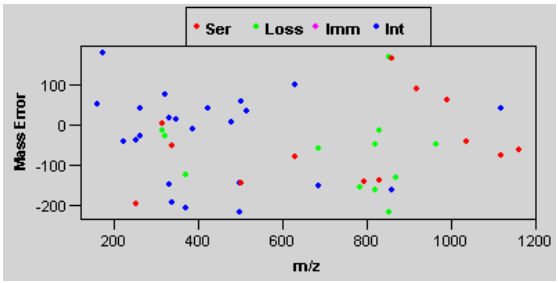
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1092.4891	546.7482
308.1241	3	G	10	929.4258	465.2165
365.1456	4	G	9	872.4043	436.7058
422.1670	5	G	8	815.3828	408.1951
479.1885	6	G	7	758.3614	379.6843
607.2471	7	Q	6	701.3399	351.1736
664.2685	8	G	5	573.2813	287.1443
761.3213	9	P	4	516.2599	258.6336
908.3567	10	M(Oxidation)	3	419.2071	210.1072
1005.4095	11	P	2	272.1717	136.5895
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)VGDM(Oxidation)ADTPRDAGLKQAPASR^{+3}



Max Intensity: **32.1**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **81.3%** Matched Series Intensity: **75.0%**



Sequence: SYSC(Carbamidomethyl)VGDM(Oxidation)ADTPRDAGLKQAPASR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C104 H170 N33 O39 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2570.5097	2569.1770	1285.7585	1285.0921	857.5082	857.0638

[–] Peak Matches

159.0846	173.0867	223.0985	251.0929	260.1164	315.1730	320.1150	329.1332	338.1166	347.1433
AS(51) AD-28(51) DA-28(51)	GD(179)	a_2(-41) YS-28(-41)	b_2(-39) YS(-39) y_5^{+2}(-198)	C(Carbamidomethyl)V(39) ADT-28(-30)	y_6^{+2}(3.4) RDA-28(-14) y_3-H_2O(-14)	GDM(Oxidation)(75) b_3-H_2O(-28)	SC(Carbamidomethyl)V-H_2O(16) DAGL-28(-148)	b_3(-53) TPR-NH_3(-194)	SC(Carbamidomethyl)V(14)
370.1676	**386.1447**	**421.1562**	**439.1741**	**443.1675**	**458.7159**	**478.1635**	**496.1791**	**501.2047**	**514.2144**
y_7-H_2O^{+2}(-126) AGLK(-209) LKQ(-209)	SC(Carbamidomethyl)VG-H_2O(-12)	DM(Oxidation)AD-28(41)				GDM(Oxidation)AD-28(6.8)	RDAGL-NH_3(-146) KQAPA(-219)	SC(Carbamidomethyl)VGD-H_2O(57) y_5(-146)	M(Oxidation)ADTP-H_2O(35)
629.2850	**684.2630**	**782.7916**	**791.8068**	**815.3528**	**818.2983**	**827.3218**	**844.9619**	**845.4564**	**851.2040**
DM(Oxidation)ADTP-H_2O(98) y_6(-82)	b_{19}-H_2O^{+3}(-59) DAGLKQA(-153)	y_{15}-H_2O^{+2}(-155)	y_{15}^{+2}(-141)		b_{16}-$SOCH_4^{+2}$(-50) y_{16}-H_2O^{+2}(-163)	a_{16}-H_2O^{+2}(-16) y_{16}^{+2}(-139)			MH-H_2O^{+3}(169) MH-NH_3^{+3}(-217)
857.2055	**868.8413**	**877.8413**	**881.3189**	**916.3982**	**961.8762**	**987.4148**	**1034.9117**	**1116.4428**	**1159.9721**
MH^{+3}(165) M(Oxidation)ADTPRDA-NH_3(-164)	y_{17}-$SOCH_4^{+2}$(-131)			b_8(88)	b_{18}-H_2O^{+2}(-48)	YSC(Carbamidomethyl)VGDM(Oxidation)AD-28(61) b_9(61)	b_{19}^{+2}(-44)	YSC(Carbamidomethyl)VGDM(Oxidation)ADT(41) y_{21}^{+2}(-77)	y_{22}^{+2}(-62)

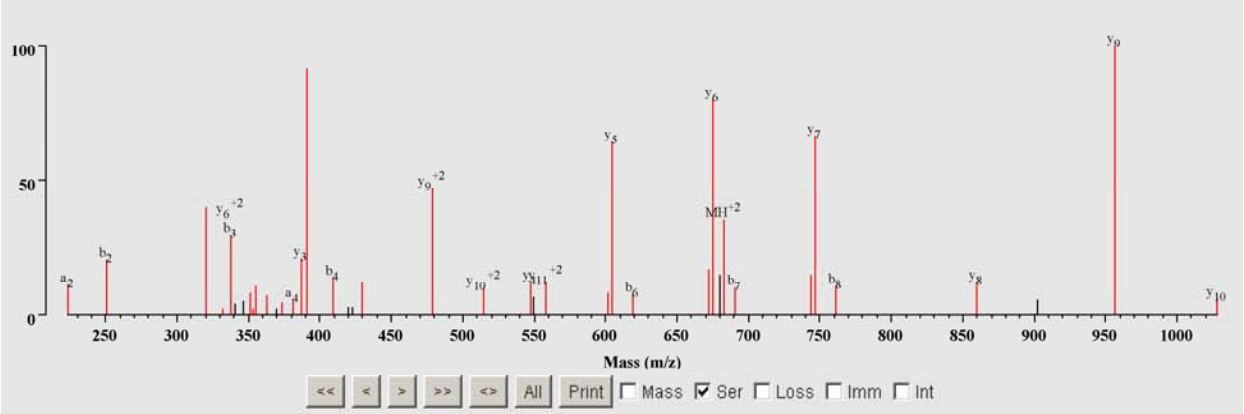
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	24	---	---
251.1026	---	2	Y	23	2482.1449	1241.5761
338.1347	---	3	S	22	2319.0816	1160.0444
498.1653	---	4	C(Carbamidomethyl)	21	2232.0496	1116.5284
597.2337	---	5	V	20	2072.0189	1036.5131
654.2552	---	6	G	19	1972.9505	986.9789
769.2821	---	7	D	18	1915.9290	958.4682
916.3175	---	8	M(Oxidation)	17	1800.9021	900.9547
987.3546	---	9	A	16	1653.8667	827.4370
1102.3816	---	10	D	15	1582.8296	791.9184
1203.4293	---	11	T	14	1467.8027	734.4050

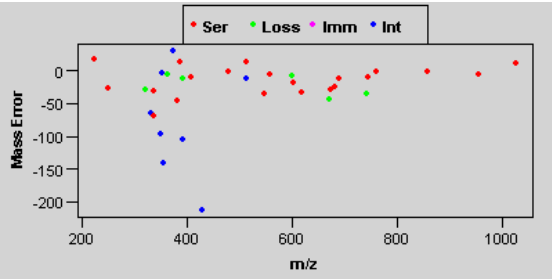
1300.4820	---	12	**P**	13	1366.7550	683.8811
1456.5831	728.7952	13	**R**	12	1269.7022	635.3547
1571.6101	786.3087	14	**D**	11	1113.6011	557.3042
1642.6472	821.8272	15	**A**	10	998.5742	499.7907
1699.6687	850.3380	16	**G**	9	927.5370	464.2722
1812.7527	906.8800	17	**L**	8	870.5156	435.7614
1940.8477	970.9275	18	**K**	7	757.4315	379.2194
2068.9063	1034.9568	19	**Q**	6	629.3365	315.1719
2139.9434	1070.4753	20	**A**	5	501.2780	251.1426
2236.9961	1119.0017	21	**P**	4	430.2409	215.6241
2308.0333	1154.5203	22	**A**	3	333.1881	167.0977
2395.0653	1198.0363	23	**S**	2	262.1510	131.5791
---	---	24	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAPLAAGC(Carbamidomethyl)PDR^{+2}



Max Intensity: **3.83**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **94.8%** Matched Series Intensity: **94.6%**



Sequence: SYSAPLAAGC(Carbamidomethyl)PDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H90 N17 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1365.3513	1364.6263	683.1793	682.8168

[–] Peak Matches

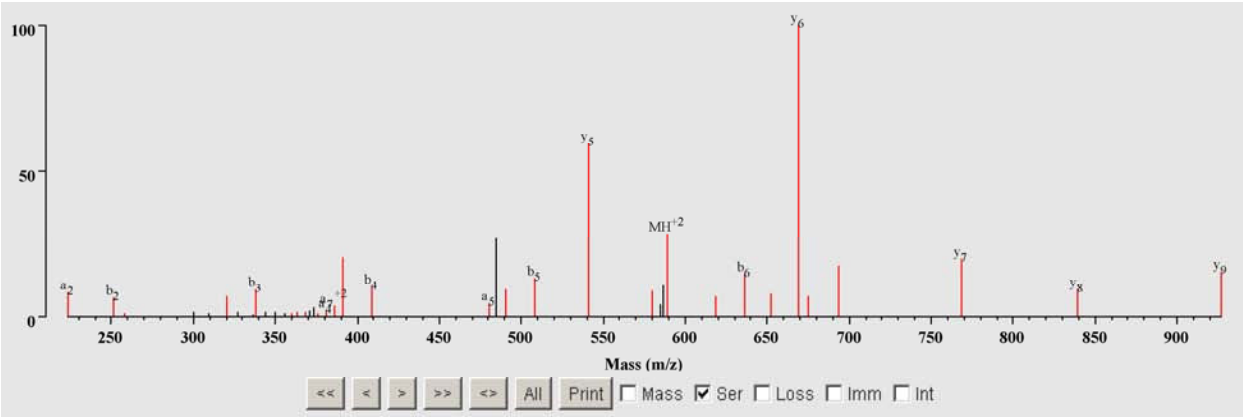
223.1116	251.0958	320.1148	332.1168	338.1241	341.0037	346.1389	351.1688	353.2168	355.0568
YS-28(17) a_2(17)	YS(-27) b_2(-27)	b_3-H_2O(-29)	AAGC(Carbamidomethyl)-28(-66)	b_3(-31) y_6^{+2}(-69)			SAPL-H_2O(-96)	PLAA(-4.3) APLA(-4.3)	C(Carbamidomethyl)PD-H_2O(-142)
363.1641	**369.3609**	**373.1287**	**381.1595**	**387.2037**	**391.1567**	**409.1676**	**420.2002**	**423.2382**	**429.1001**
a_4-H_2O(-6.0)		C(Carbamidomethyl)PD(30)	a_4(-46)	y_3(13)	b_4-H_2O(-12) YSAP-28(-105)	b_4(-10)			AAGC(Carbamidomethyl)P-28(-213)
478.7338	**514.2591**	**547.2098**	**549.7613**	**557.7663**	**601.2933**	**604.2399**	**619.2882**	**672.3050**	**675.2680**
y_9^{+2}(-1.6)	y_{10}^{+2}(12) YSAPL-H_2O(-13)	y_4(-36)		y_{11}^{+2}(-5.1)	b_6-H_2O(-7.9)	y_5(-18)	b_6(-33)	b_7-H_2O(-45)	y_6(-29)
680.3567	**682.8005**	**690.3375**	**743.3463**	**746.3169**	**761.3819**	**859.4082**	**902.4973**	**956.4566**	**1027.5091**
	MH^{+2}(-24)	b_7(-12)	b_8-H_2O(-35)	y_7(-11)	b_8(-1.2)	y_8(-1.0)		y_9(-5.5)	y_{10}(9.9)

[–] Main Sequence Ions

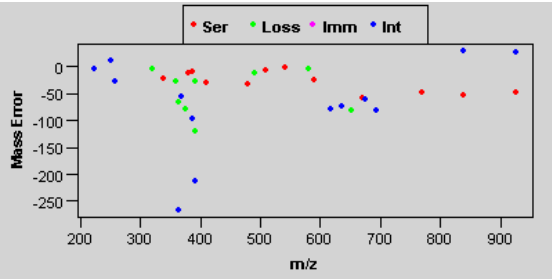
b				y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1277.5943	639.3008
338.1347	3	S	11	1114.5310	557.7691
409.1718	4	A	10	1027.4989	514.2531
506.2245	5	P	9	956.4618	478.7346
619.3086	6	L	8	859.4091	430.2082
690.3457	7	A	7	746.3250	373.6661
761.3828	8	A	6	675.2879	338.1476
818.4043	9	G	5	604.2508	302.6290
978.4349	10	C(Carbamidomethyl)	4	547.2293	274.1183
1075.4877	11	P	3	387.1987	194.1030
1190.5146	12	D	2	290.1459	145.5766
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAVKYSGSK^{+2}



Max Intensity: **13.3**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **87.5%** Matched Series Intensity: **86.4%**



Sequence SYSAVKYSGSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C52 H82 N13 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1177.3072	1176.5895	589.1573	588.7984

[–] **Peak Matches**

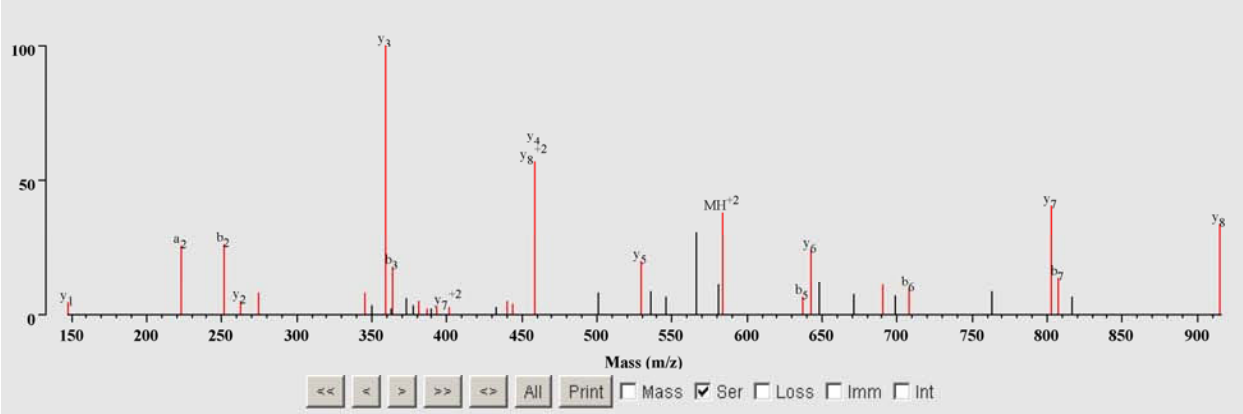
223.1068	251.1057	258.1377	300.1363	309.1730	320.1228	327.1586	336.1459	338.1271	344.1743
a_2(-4.1) YS-28(-4.1)	b_2(12) YS(12)	SAV(-28)			b_3-H_2O(-4.1)			b_3(-22)	
350.1368	**356.1237**	**360.1774**	**363.1420**	**368.2081**	**371.1709**	**373.1594**	**376.1732**	**381.1721**	**386.2020**
		y_4-H_2O(-29)	a_4-H_2O(-67) VKY-28(-267)	SAVK-H_2O(-57)			y_7-NH_3^{+2}(-79)	a_4(-12)	a_7^{+2}(-8.9) SAVK(-98)
391.1507	**409.1596**	**480.2300**	**484.2416**	**490.2232**	**508.2367**	**541.2612**	**579.7903**	**585.2914**	**586.2650**
b_4-H_2O(-27) b_7-H_2O^{+2}(-120) VKY(-213)	b_4(-30)	a_5(-32)		b_5-H_2O(-13)	b_5(-6.9)	y_5(-0.84)	MH-H_2O^{+2}(-4.9)		
588.7841	**618.2759**	**636.2873**	**652.2757**	**669.3169**	**675.3052**	**693.3004**	**768.3874**	**839.4177**	**926.4494**
MH^{+2}(-24)	b_6-H_2O(-79) SAVKYS-H_2O(-79)	b_6(-75) SAVKYS(-75)	y_6-NH_3(-83)	y_6(-59)	SAVKYSG-H_2O(-60) AVKYSGS-H_2O(-60)	SAVKYSG(-81) AVKYSGS(-81)	y_7(-49)	YSAVKYSG-NH_3(29) y_8(-53)	b_9-NH_3(26) YSAVKYSGS-NH_3(26) y_9(-48)

[–] **Main Sequence Ions**

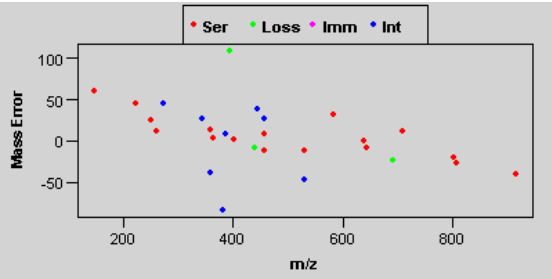
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1089.5575	545.2824
338.1347	---	3	S 9	926.4942	463.7507
409.1718	---	4	A 8	839.4621	420.2347
508.2402	---	5	V 7	768.4250	384.7162
636.3352	318.6712	6	K 6	669.3566	335.1819
799.3985	400.2029	7	Y 5	541.2617	271.1345
886.4305	443.7189	8	S 4	378.1983	189.6028
943.4520	472.2296	9	G 3	291.1663	146.0868
1030.4840	515.7456	10	S 2	234.1448	117.5761
---	---	11	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLC(Carbamidomethyl)LAVPDK^{+2}



Max Intensity: **14.0**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **78.8%** Matched Series Intensity: **77.2%**



Sequence: SYLC(Carbamidomethyl)LAVPDK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H85 N12 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1166.2247	1165.5922	583.6161	583.2997

[–] Peak Matches

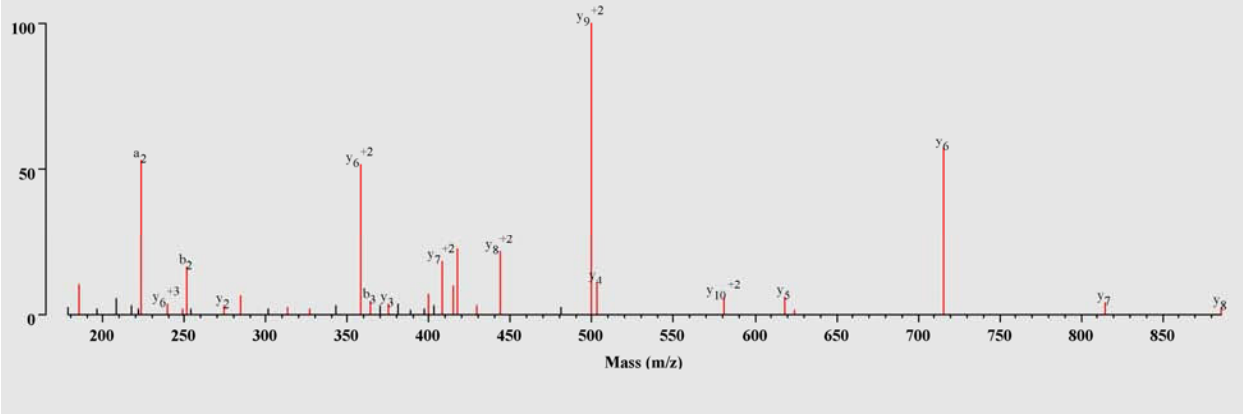
147.1216	223.1179	251.1088	262.1429	274.1346	345.1682	350.1670	359.1974	363.1864	364.1880
y_1(60)	a_2(46)	b_2(25)	y_2(12)	LC(Carbamidomethyl)(46) C(Carbamidomethyl)L(46)	C(Carbamidomethyl)LA(26)		y_3(14) LC(Carbamidomethyl)L-28(-38)		b_3(3.6)
373.2628	**377.1838**	**381.2177**	**387.2090**	**389.2153**	**393.2397**	**401.7107**	**433.2041**	**440.2464**	**444.2445**
		LAVP(-84)	LC(Carbamidomethyl)L(7.6)		y_7-$NH_3$$^{+2}$(109)	y_7^{+2}(1.7)		y_4-H_2O(-9.0)	C(Carbamidomethyl)LAV(38)
458.2555	**501.3311**	**529.2918**	**536.2970**	**546.2882**	**566.4257**	**581.3150**	**583.3177**	**637.3019**	**642.3767**
LC(Carbamidomethyl)LA(27) y_8^{+2}(7.5) y_4(-12)		y_5(-12) LC(Carbamidomethyl)LAV-28(-47)					MH^{+2}(31)	b_5(0.77)	y_6(-8.4)
648.3845	**670.8190**	**690.3117**	**698.8513**	**708.3473**	**763.4152**	**802.3969**	**807.3852**	**816.8348**	**915.4592**
		b_6-H_2O(-24)		b_6(12)		y_7(-20)	b_7(-27)		y_8(-41)

[–] Main Sequence Ions

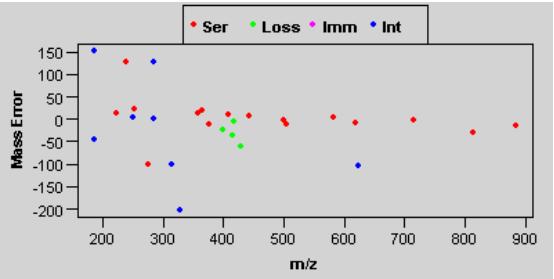
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1078.5601	539.7837
364.1867	3	L	8	915.4968	458.2520
524.2173	4	C(Carbamidomethyl)	7	802.4128	401.7100
637.3014	5	L	6	642.3821	321.6947
708.3385	6	A	5	529.2980	265.1527
807.4069	7	V	4	458.2609	229.6341
904.4597	8	P	3	359.1925	180.0999
1019.4866	9	D	2	262.1397	131.5735
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLAVPDKTVR^{+3}



Max Intensity: **99.6**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **91.6%** Matched Series Intensity: **91.6%**



Sequence SYLAVPDKTVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C56 H94 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1249.4614	1248.6947	625.2344	624.8510	417.1587	416.9031

[–] **Peak Matches**

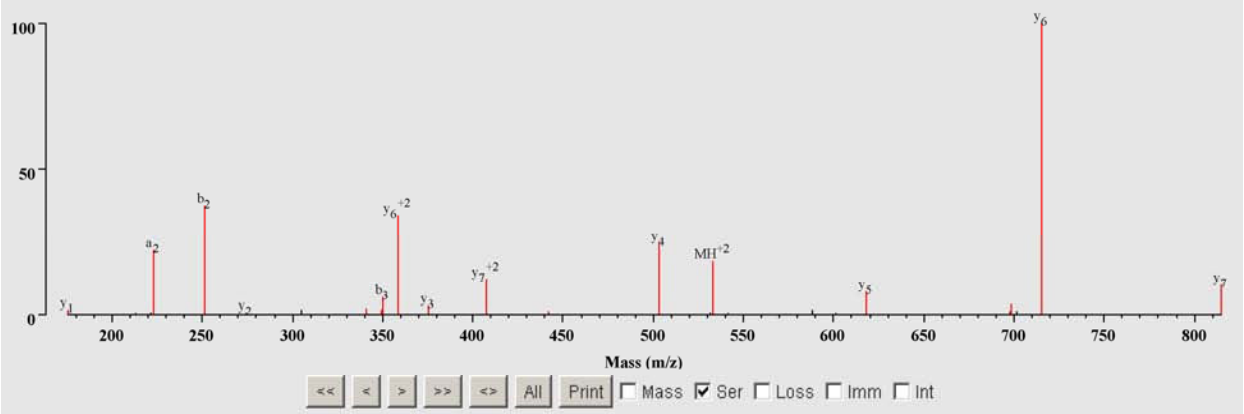
178.0914	**185.1202**	**196.0987**	**208.0980**	**217.1082**	**222.1120**	**223.1103**	**239.1719**	**249.1605**	**251.1078**
	PD-28(152) LA(-45)					a_2(12)	y_6^{+3}(127)	YL-28(3.0)	b_2(21)
254.0617	**274.1595**	**284.1969**	**301.0624**	**313.1553**	**327.1000**	**343.0747**	**358.2130**	**364.1933**	**370.1193**
	y_2(-102)	VPD-28(128) LAV(0.11)		PDK-28(-101)	DKT-H_2O(-203)		y_3-NH_3(13) y_6^{+2}(13)	b_3(18)	
375.2311	**381.1332**	**388.2235**	**397.1670**	**399.2197**	**403.1853**	**407.7473**	**415.2110**	**417.2112**	**429.1977**
y_3(-11)				y_7-NH_3^{+2}(-24)		y_7^{+2}(11)	a_8-NH_3^{+2}(-37)	b_4-H_2O(-4.9)	b_8-NH_3^{+2}(-61)
443.2647	**480.7795**	**499.8014**	**503.3239**	**581.3376**	**618.3509**	**624.3073**	**715.4069**	**814.4548**	**885.5019**
y_8^{+2}(7.8)		y_9^{+2}(-3.8)	y_4(-12)	y_{10}^{+2}(4.5)	y_5(-9.8)	LAVPDK(-103)	y_6(-3.9)	y_7(-29)	y_8(-15)

[–] **Main Sequence Ions**

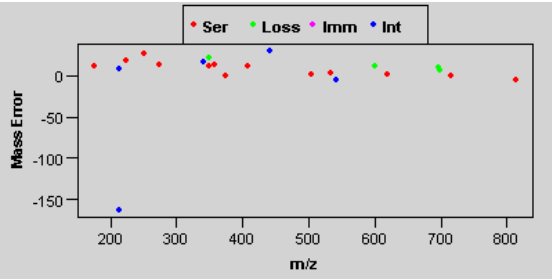
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1161.6626	581.3350
364.1867	---	3	**L**	9	998.5993	499.8033
435.2238	---	4	**A**	8	885.5152	443.2613
534.2922	---	5	**V**	7	814.4781	407.7427
631.3450	---	6	**P**	6	715.4097	358.2085
746.3719	---	7	**D**	5	618.3570	309.6821
874.4669	437.7371	8	**K**	4	503.3300	252.1686
975.5146	488.2609	9	**T**	3	375.2350	188.1212
1074.5830	537.7951	10	**V**	2	274.1874	137.5973
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVPDKTVR^{+2}



Max Intensity: **186**
Num Matched: **21/27 (22.2% unmatched)** Matched Intensity: **97.7%** Matched Series Intensity: **97.6%**



Sequence SYVPDKTVR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C47 H78 N13 O15

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1065.2216	1064.5735	533.1145	532.7904

[–] **Peak Matches**

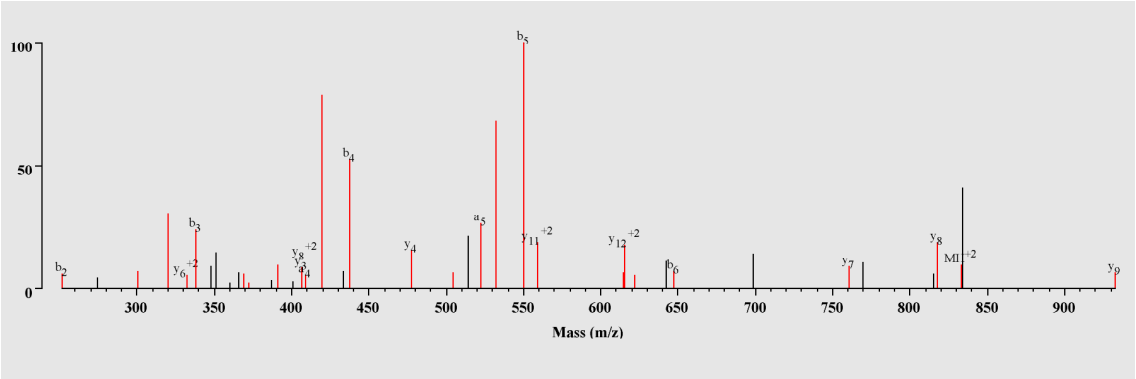
175.1209	213.0887	221.0920	223.1117	251.1093	274.1909	305.1501	341.1877	349.2107	350.1752
y_1(11)	PD(8.1) KT-NH_3(-163)		a_2(18)	b_2(27)	y_2(13)		PDK(17)	y_6-H_2O^{+2}(21)	b_3(12)
358.2130	**375.2347**	**407.7473**	**442.2431**	**503.3303**	**531.2881**	**532.7921**	**541.2948**	**588.3385**	**601.3376**
y_3-NH_3(13) y_6^{+2}(13)	y_3(-0.92)	y_7^{+2}(11)	PDKT(30)	y_4(0.58)		MH^{+2}(3.2)	PDKTV(-6.0) VPDKT(-6.0)		y_5-NH_3(12)
618.3580	**697.4054**	**698.3879**	**701.4249**	**714.9513**	**715.4094**	**814.4737**			
y_5(1.7)	y_6-H_2O(9.0)	y_6-NH_3(6.8)			y_6(-0.44)	y_7(-5.4)			

[–] **Main Sequence Ions**

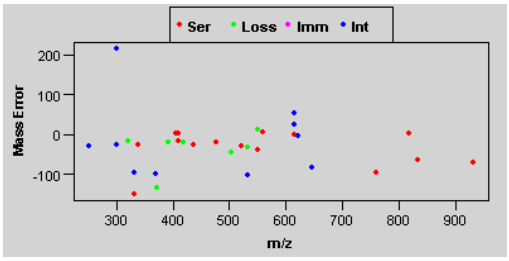
b	b^{+2}			y	y^{+2}
---	---	1	**S** 9	---	---
251.1026	---	2	**Y** 8	977.5415	489.2744
350.1710	---	3	**V** 7	814.4781	407.7427
447.2238	---	4	**P** 6	715.4097	358.2085
562.2508	---	5	**D** 5	618.3570	309.6821
690.3457	345.6765	6	**K** 4	503.3300	252.1686
791.3934	396.2003	7	**T** 3	375.2350	188.1212
890.4618	445.7345	8	**V** 2	274.1874	137.5973
---	---	9	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVIPSDGPSVAC(Carbamidomethyl)VK^{+2}



Max Intensity: **3.84**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **78.2%** Matched Series Intensity: **77.9%**



Sequence SYSVIPSDGPSVAC(Carbamidomethyl)VK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C72 H117 N18 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1666.7368	1665.8152	833.8721	833.4113

[–] **Peak Matches**

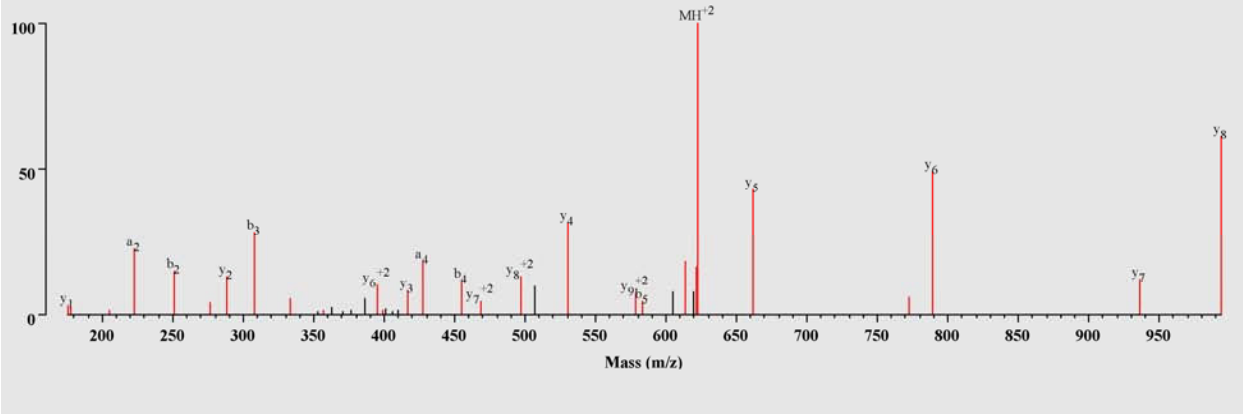
251.0952	274.0891	300.1839	320.1194	332.1285	338.1254	348.1189	351.1843	360.1307	366.1170
b_2(-30) YS(-30)		PSD(216) SVI(-26)	b_3-H_2O(-15)	YSV-H_2O(-96) y_6^{+2}(-150)	b_3(-27)				
369.2132	**372.1417**	**387.1941**	**391.1901**	**401.1674**	**406.2127**	**409.2094**	**419.1838**	**433.1818**	**437.1921**
VIPS-28(-99) SVIP-28(-99)	y_7-NH_3^{+2}(-134)		a_4-H_2O(-19)		y_3(2.1)	a_4(3.0) y_8^{+2}(-15)	b_4-H_2O(-21)		b_4(-25)
477.2395	**504.2585**	**514.2526**	**522.2770**	**532.2594**	**550.2651**	**558.7749**	**614.3119**	**615.3140**	**622.2810**
y_4(-20)	a_5-H_2O(-46)		a_5(-29)	b_5-H_2O(-32) YSVIP-28(-101)	y_{11}-NH_3^{+2}(13) b_5(-40)	y_{11}^{+2}(6.4)	SDGPSVA(55) PSVAC(Carbamidomethyl)V(25)	y_{12}^{+2}(1.0)	PSDGPSV-H_2O(-3.4)
642.3326	**647.2862**	**698.3614**	**760.3302**	**769.3821**	**814.9183**	**817.4250**	**833.3572**	**833.8655**	**932.3850**
	b_6(-83) YSVIPS(-83)		y_7(-95)			y_8(1.7)	MH^{+2}(-65)		y_9(-70)

[–] **Main Sequence Ions**

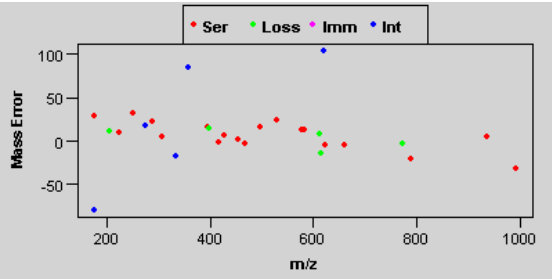
b			y	y^{+2}
---	1	S	16 ---	---
251.1026	2	Y	15 1578.7832	789.8952
338.1347	3	S	14 1415.7199	708.3636
437.2031	4	V	13 1328.6879	664.8476
550.2871	5	I	12 1229.6194	615.3134
647.3399	6	P	11 1116.5354	558.7713
734.3719	7	S	10 1019.4826	510.2449
849.3989	8	D	9 932.4506	466.7289
906.4203	9	G	8 817.4236	409.2155
1003.4731	10	P	7 760.4022	380.7047
1090.5051	11	S	6 663.3494	332.1783
1189.5735	12	V	5 576.3174	288.6623
1260.6107	13	A	4 477.2490	239.1281
1420.6413	14	C(Carbamidomethyl)	3 406.2119	203.6096
1519.7097	15	V	2 246.1812	123.5942
---	16	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGFQMNQLR^{+2}



Max Intensity: **7.25**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **92.5%** Matched Series Intensity: **90.3%**



Sequence: SYGFQMNQLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H83 N16 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1244.4232	1243.5888	622.7153	622.2980

[–] **Peak Matches**

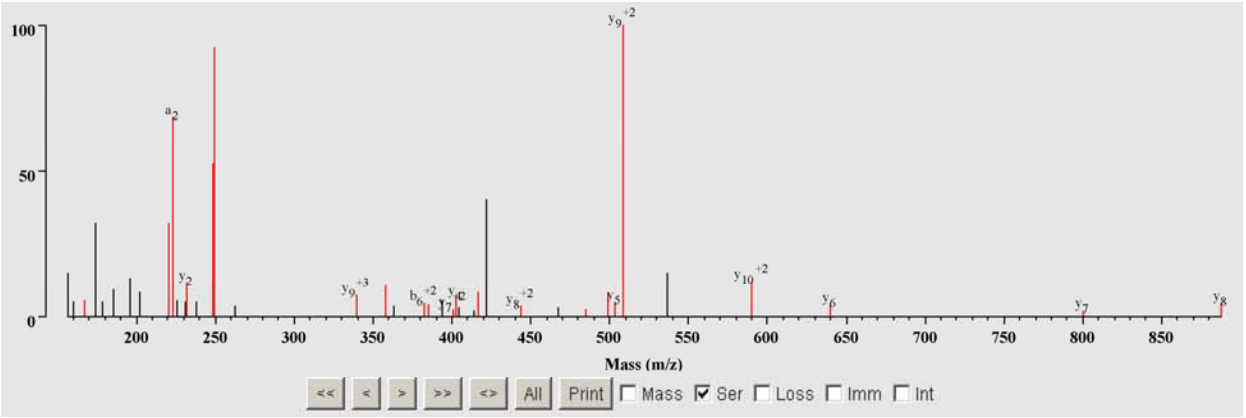
175.1238	177.0880	205.0994	223.1099	251.1107	276.1393	288.2094	308.1254	333.1501	353.0565
y_1(28)	GF-28(-80)	GF(11) a_2-H_2O(11)	a_2(9.8)	b_2(32)	FQ(18)	y_2(22)	b_3(4.2)	GFQ(-17)	
357.1529	**363.1966**	**371.0773**	**376.2158**	**386.1935**	**395.2116**	**399.2405**	**401.1943**	**406.1933**	**410.1511**
MNQ-NH_3(85) QMN-NH_3(85)					y_6^{+2}(16)	y_3-NH_3(14)			
416.2608	**427.2005**	**455.1936**	**468.7382**	**497.2585**	**506.7664**	**530.3173**	**578.7893**	**583.2581**	**605.2616**
y_3(-1.9)	a_4(6.8)	b_4(2.4)	y_7^{+2}(-3.1)	y_8^{+2}(16)		y_4(24)	y_9^{+2}(13)	b_5(12)	
613.2974	**613.7756**	**619.3072**	**621.3460**	**622.2947**	**661.3417**	**772.3751**	**789.3874**	**936.4764**	**993.4615**
MH-H_2O^{+2}(7.6)	MH-NH_3^{+2}(-15)		FQMNQ-28(104)	MH^{+2}(-5.4)	y_5(-5.0)	y_6-NH_3(-2.5)	y_6(-21)	y_7(4.7)	y_8(-32)

[–] **Main Sequence Ions**

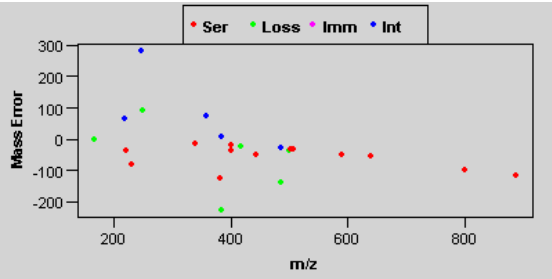
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1156.5568	578.7820
308.1241	3	G	993.4935	497.2504
455.1925	4	F	936.4720	468.7396
583.2511	5	Q	789.4036	395.2054
714.2916	6	M	661.3450	331.1761
828.3345	7	N	530.3045	265.6559
956.3931	8	Q	416.2616	208.6344
1069.4771	9	L	288.2030	144.6051
---	10	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKSC(Carbamidomethyl)HTGLGR^{+3}



Max Intensity: **11.1**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **71.6%** Matched Series Intensity: **73.3%**



Sequence: SYKSC(Carbamidomethyl)HTGLGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H85 N18 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1266.2645	1265.6055	633.6359	633.3064	422.7598	422.5400

[–] Peak Matches

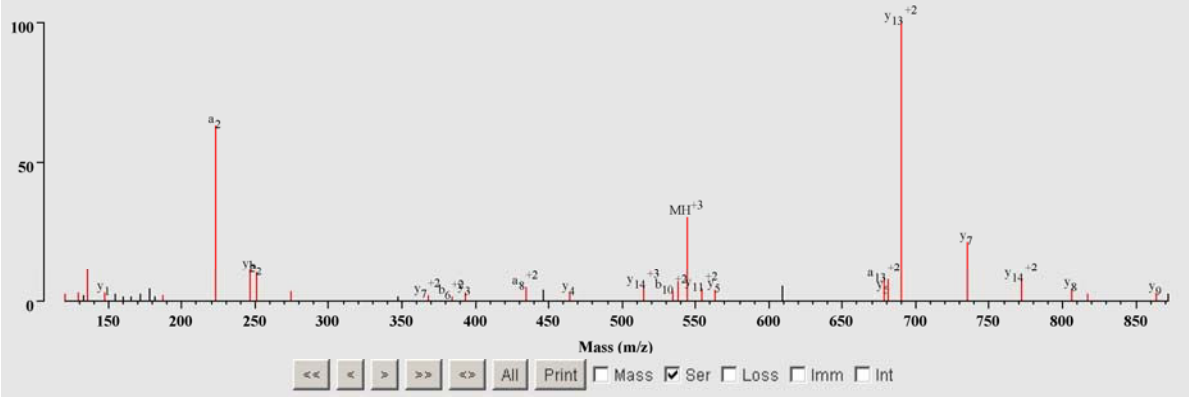
156.0955	160.1248	167.0994	174.1066	178.0814	185.0887	196.0938	202.1391	220.0894	223.1000
		a_3-H_2O^{+2}(-1.8)						SC(Carbamidomethyl)-28(65)	a_2(-35)
226.1153	**231.1380**	**232.1217**	**238.1017**	**248.1399**	**249.1307**	**262.0982**	**339.1702**	**358.1814**	**363.1203**
		y_2(-81)		SC(Carbamidomethyl)(282)	b_6-H_2O^{+3}(92)		y_9^{+3}(-14)	KSC(Carbamidomethyl)-H_2O(76)	
382.1160	**385.1318**	**394.1847**	**400.6880**	**402.2316**	**404.1642**	**414.1760**	**416.5272**	**422.1784**	**444.1882**
b_6^{+2}(-124)	SC(Carbamidomethyl)H(7.6) y_4-NH_3(-227)		y_7^{+2}(-18)	y_4(-36)			MH-H_2O^{+3}(-22)		y_8^{+2}(-52)
467.5447	**485.2151**	**499.2362**	**503.2769**	**508.2422**	**536.7580**	**589.7616**	**640.3177**	**800.3033**	**887.3105**
	KSC(Carbamidomethyl)H-28(-28) y_5-H_2O(-140)	y_9-H_2O^{+2}(-35)	y_5(-33)	y_9^{+2}(-33)		y_{10}^{+2}(-49)	y_6(-54)	y_7(-100)	y_8(-118)

[–] Main Sequence Ions

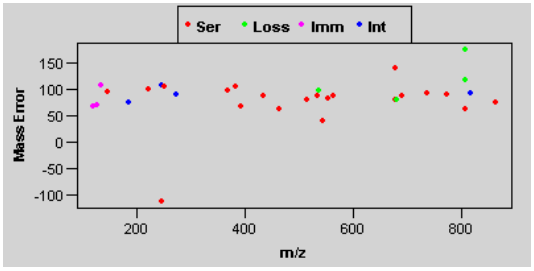
b	b^{+2}				y	y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1178.5735	589.7904
379.1976	190.1024	3	K	9	1015.5102	508.2587
466.2296	233.6185	4	S	8	887.4152	444.2112
626.2603	313.6338	5	C(Carbamidomethyl)	7	800.3832	400.6952
763.3192	382.1632	6	H	6	640.3525	320.6799
864.3669	432.6871	7	T	5	503.2936	252.1504
921.3883	461.1978	8	G	4	402.2459	201.6266
1034.4724	517.7398	9	L	3	345.2245	173.1159
1091.4939	546.2506	10	G	2	232.1404	116.5738
---	---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)LKDGAGDVAFVK^{+3}



Max Intensity: **7.08**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **91.6%** Matched Series Intensity: **92.3%**



Sequence: SYC(Carbamidomethyl)LKDGAGDVAFVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H113 N18 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1630.7062	1629.7941	815.8568	815.4007	544.2403	543.9362

[–] **Peak Matches**

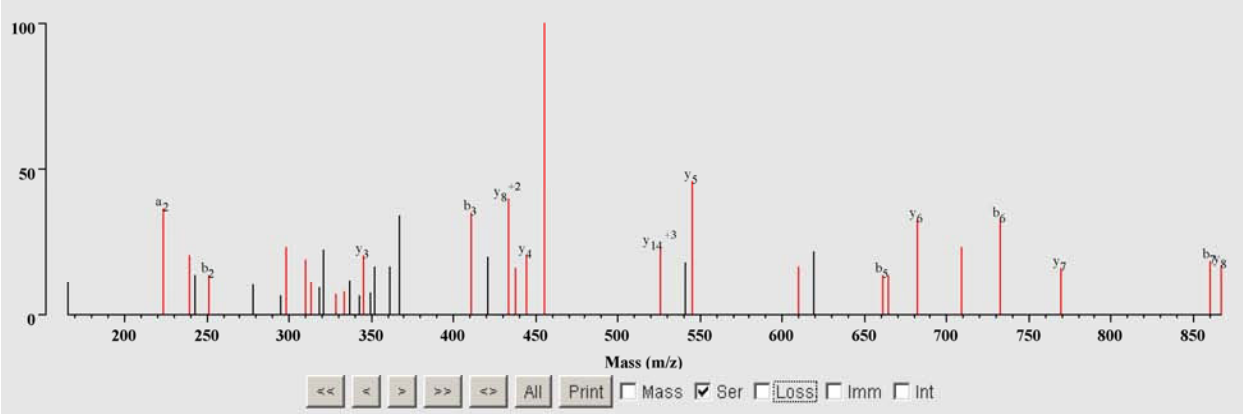
120.0890	129.1111	133.0652	136.0901	147.1268	155.1254	160.0884	165.0870	172.1523	178.1016
F(68)	K(69)		Y(106)	y_1(95)					
182.1358	**187.1217**	**223.1298**	**246.1531**	**251.1288**	**274.1465**	**347.2216**	**368.2410**	**384.2136**	**393.2754**
	DV-28(75)	a_2(99)	C(Carbamidomethyl)L-28(106) y_2(-114)	b_2(104)	C(Carbamidomethyl)L(89)		y_7^{+2}(97)	b_6^{+2}(105)	y_3(66)
434.2432	**446.3136**	**464.3154**	**514.9668**	**534.2729**	**537.9853**	**543.9581**	**553.8407**	**563.4038**	**609.3756**
a_8^{+2}(88)		y_4(62)	y_{14}^{+3}(80)	b_{10}^{+2}(86)	MH-H_2O^{+3}(98)	MH^{+3}(40)	y_{11}^{+2}(81)	y_5(86)	
678.4357	**678.9116**	**681.4022**	**690.4139**	**735.4706**	**771.9534**	**806.4909**	**817.4270**	**863.5259**	**871.5043**
y_6(79)	a_{13}^{+2}(140)	y_{13}-H_2O^{+2}(80)	y_{13}^{+2}(88)	y_7(91)	y_{14}^{+2}(89)	b_7-H_2O(175) MH-H_2O^{+2}(118) y_8(62)	C(Carbamidomethyl)LKDGAGD(93)	y_9(74)	

[–] **Main Sequence Ions**

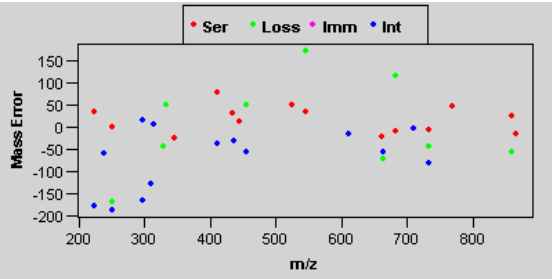
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1542.7621	771.8847
411.1333	---	3	**C(Carbamidomethyl)**	13	1379.6988	690.3530
524.2173	---	4	**L**	12	1219.6681	610.3377
652.3123	326.6598	5	**K**	11	1106.5840	553.7957
767.3393	384.1733	6	**D**	10	978.4891	489.7482
824.3607	412.6840	7	**G**	9	863.4621	432.2347
895.3978	448.2026	8	**A**	8	806.4407	403.7240
952.4193	476.7133	9	**G**	7	735.4036	368.2054
1067.4462	534.2268	10	**D**	6	678.3821	339.6947
1166.5146	583.7610	11	**V**	5	563.3552	282.1812
1237.5518	619.2795	12	**A**	4	464.2867	232.6470
1384.6202	692.8137	13	**F**	3	393.2496	197.1285
1483.6886	742.3479	14	**V**	2	246.1812	123.5942
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)HLAQVPSHTVVAR^{+4}



Max Intensity: **2.38**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **73.5%** Matched Series Intensity: **74.5%**



Sequence: SYC(Carbamidomethyl)HLAQVPSHTVVAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C79 H126 N25 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1825.9347	1824.9174	913.4711	912.9623	609.3165	608.9773	457.2392	456.9848

[–] Peak Matches

165.0793	223.1153	239.0992	243.1056	251.1027	278.0238	295.1005	298.1015	310.1474	313.1886
	a_2(34) HL-28(-179)	HT(-61)		b_2(0.27) y_7-H_2O^{+3}(-169) HL(-189)			C(Carbamidomethyl)H(16) SHT-28(-166)	HTV-28(-129)	LAQ(5.0)
318.1191	**321.1312**	**328.1832**	**333.2063**	**337.0976**	**343.0954**	**345.2153**	**349.1227**	**352.0766**	**361.1210**
		y_3-NH_3(-45)	y_6-NH_3^{+2}(49)			y_3(-27)			
367.1337	**411.1654**	**421.0812**	**433.7592**	**437.2363**	**444.2980**	**455.2343**	**525.6373**	**540.7900**	**545.3580**
	b_3(78) C(Carbamidomethyl)HL(-38)		y_8^{+2}(31)	HTVV(-33)	y_4(11)	b_{12}-H_2O^{+3}(49) AQVPS-28(-59)	y_{14}^{+3}(48)		b_{15}-NH_3^{+3}(171) y_5(32)
610.2671	**619.2718**	**661.2604**	**664.3405**	**682.3928**	**709.3425**	**732.3068**	**769.4661**	**860.3915**	**866.4685**
C(Carbamidomethyl)HLAQ(-16)		b_5(-24)	PSHTVVA-28(-56) y_6-H_2O(-73)	b_{12}-H_2O^{+2}(115) y_6(-9.8)	C(Carbamidomethyl)HLAQV(-3.5)	b_6(-9.0) b_{13}-NH_3^{+2}(-46) QVPSHTV-NH_3(-83)	y_7(45)	b_7(23) y_{15}-H_2O^{+2}(-58)	y_8(-18)

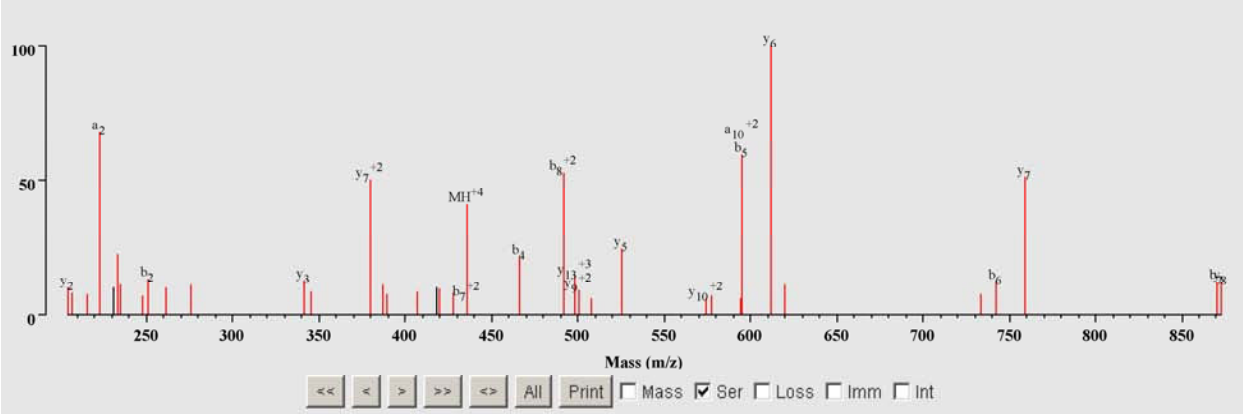
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1737.8853	869.4463
411.1333	---	3	C(Carbamidomethyl)	14	1574.8220	787.9146
548.1922	274.5997	4	H	13	1414.7914	707.8993
661.2763	331.1418	5	L	12	1277.7324	639.3699
732.3134	366.6603	6	A	11	1164.6484	582.8278
860.3719	430.6896	7	Q	10	1093.6113	547.3093
959.4404	480.2238	8	V	9	965.5527	483.2800
1056.4931	528.7502	9	P	8	866.4843	433.7458
1143.5252	572.2662	10	S	7	769.4315	385.2194
1280.5841	640.7957	11	H	6	682.3995	341.7034
1381.6317	691.3195	12	T	5	545.3406	273.1739
1480.7002	740.8537	13	V	4	444.2929	222.6501

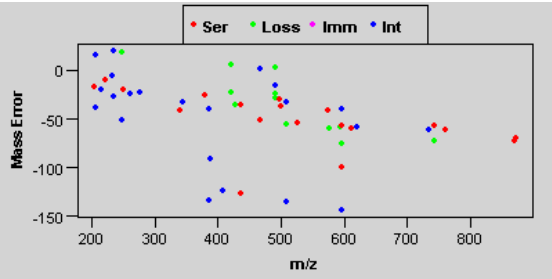
1579.7686	790.3879	14	**V**	3	345.2245	173.1159
1650.8057	825.9065	15	**A**	2	246.1561	123.5817
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSKEFQLFSSPHGK^{+4}



Max Intensity: **236**
Num Matched: **38/40 (5.0% unmatched)** Matched Intensity: **97.4%** Matched Series Intensity: **97.3%**



Sequence SYSKEFQLFSSPHGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C80 H117 N20 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1742.9406	1741.8544	871.9740	871.4308	581.6518	581.2897	436.4907	436.2191

[–] Peak Matches

204.1307	207.1161	216.1300	223.1055	231.1131	233.1634	235.1125	248.1268	251.0976	261.1535
y_2(-17)	FS-28(16) PH-28(-38)	SK(-20)	YS-28(-9.9) a_2(-9.9)		LF-28(-6.2)	FS(20) PH(-27)	y_7-NH_3^{+3}(19) FQ-28(-51)	YS(-20) b_2(-20)	LF(-24)
276.1278	**341.1789**	**345.1654**	**380.1831**	**387.1508**	**389.1831**	**407.1782**	**418.1337**	**420.2146**	**427.7145**
FQ(-23)	y_3(-42)	SKE(-33)	y_7^{+2}(-26)	EFQ-H_2O(-40) KEF-H_2O(-134)	QLF(-91) FQL(-91)	LFSS-28(-124)		y_{11}-H_2O^{+3}(6.1) a_4-H_2O(-23)	y_8-H_2O^{+2}(-35)
435.6876	**436.1638**	**466.2052**	**491.7605**	**492.2373**	**497.9098**	**500.7456**	**508.2232**	**525.2495**	**574.2749**
b_7^{+2}(-36)	MH^{+4}(-127)	SSPHG(1.6) b_4(-52)	y_9-H_2O^{+2}(3.2)	b_8^{+2}(-16) SKEF(-16) y_{13}-NH_3^{+3}(-24) y_9-NH_3^{+2}(-28)	y_{13}^{+3}(-30)	y_9^{+2}(-37)	YSKE(-33) y_5-NH_3(-56) FQLF-28(-135)	y_5(-54)	y_{10}^{+2}(-41)
577.2268	**594.2643**	**595.2383**	**612.2730**	**620.2676**	**733.3424**	**742.2981**	**759.3318**	**870.3367**	**872.4011**
b_5-H_2O(-60)	y_6-H_2O(-59)	FSSPHG-H_2O(-40) b_5(-57) y_6-NH_3(-76) a_{10}^{+2}(-100) FQLFS-28(-144)	y_6(-60)	SKEFQ(-58)	SKEFQL(-62)	b_6(-57) y_7-NH_3(-72)	y_7(-61)	b_7(-72)	y_8(-70)

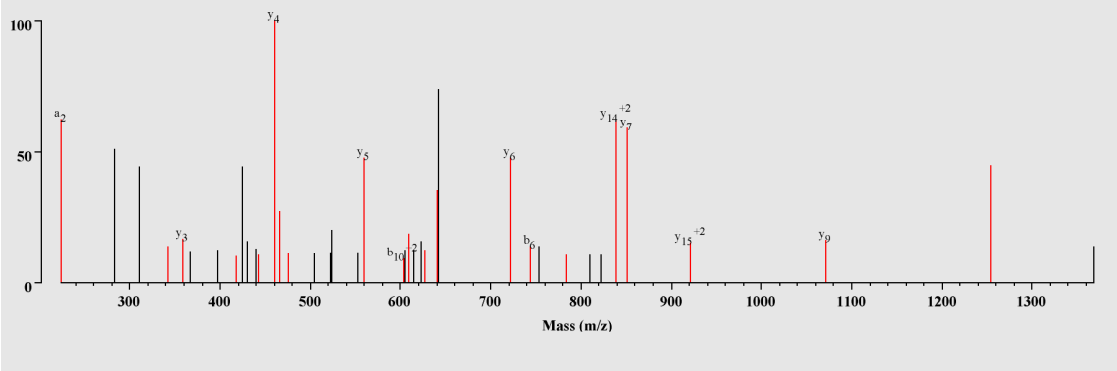
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1654.8224	827.9148
338.1347	---	3	**S**	13	1491.7591	746.3832
466.2296	233.6185	4	**K**	12	1404.7270	702.8672
595.2722	298.1397	5	**E**	11	1276.6321	638.8197
742.3406	371.6740	6	**F**	10	1147.5895	574.2984
870.3992	435.7032	7	**Q**	9	1000.5211	500.7642
983.4833	492.2453	8	**L**	8	872.4625	436.7349
1130.5517	565.7795	9	**F**	7	759.3784	380.1928
1217.5837	609.2955	10	**S**	6	612.3100	306.6586
1304.6157	652.8115	11	**S**	5	525.2780	263.1426
1401.6685	701.3379	12	**P**	4	438.2459	219.6266

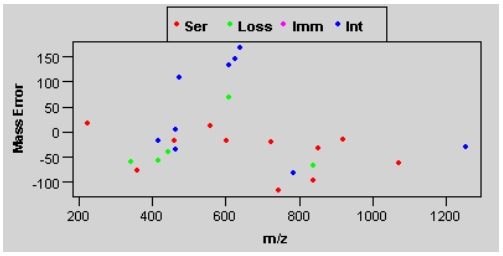
1538.7274	769.8673	13	**H**	3	341.1932	171.1002
1595.7489	798.3781	14	**G**	2	204.1343	102.5708
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAKMYLGYEYVTAIR^{+3}



Max Intensity: **1.20**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **61.0%** Matched Series Intensity: **61.0%**



Sequence SYAKMYLGYEYVTAIR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C90 H135 N20 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1929.2590	1927.9622	965.1332	964.4848	643.7580	643.3256

[–] **Peak Matches**

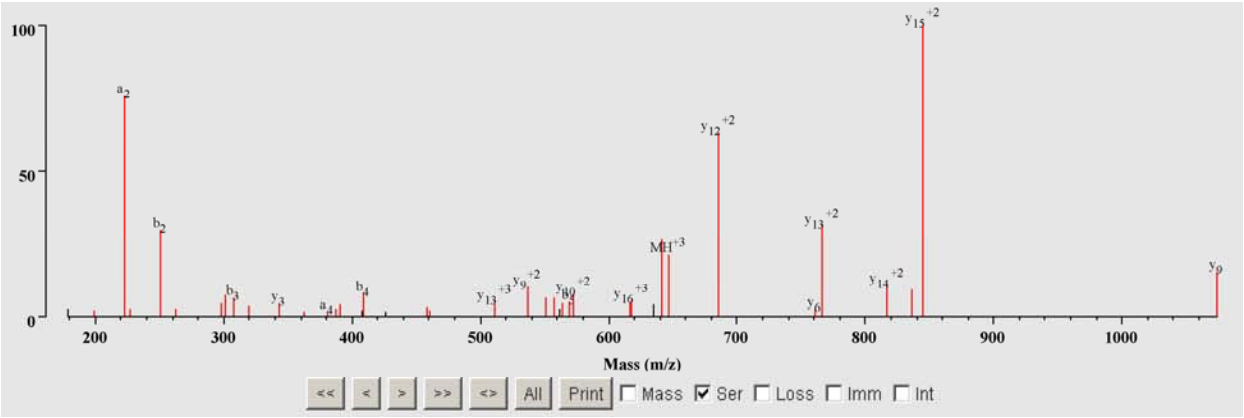
223.1113	283.1102	311.1128	342.1929	359.2127	366.2275	397.2178	417.2056	424.1954	430.1730
a_2(16)			y_3-NH_3(-60)	y_3(-76)			YVTA-H_2O(-18) y_7-H_2O^{+2}(-57)		
440.1226	**442.2595**	**460.2798**	**465.2187**	**475.2703**	**504.1408**	**522.2172**	**524.2109**	**552.1793**	**559.3633**
	y_4-H_2O(-40)	y_4(-17)	MYLG(4.5) EYVT-28(-34)	EYVT-H_2O(109)					y_5(13)
603.7678	**605.4246**	**608.3528**	**614.6058**	**622.3490**	**626.3738**	**640.3878**	**642.3435**	**722.4043**	**744.2515**
b_{10}^{+2}(-18)		LGYEY-H_2O(134) YLGYE-H_2O(134) y_{15}-H_2O^{+3}(68)			LGYEY(146) YLGYE(146)	YAKMY-NH_3(168)		y_6(-21)	b_6(-117)
752.8811	**784.2879**	**809.3343**	**822.8573**	**839.3552**	**851.4348**	**920.9545**	**1071.4803**	**1254.5496**	**1367.5909**
	GYEYVTA(-81)			b_7-H_2O(-68) y_{14}^{+2}(-98)	y_7(-32)	y_{15}^{+2}(-15)	y_9(-62)	YAKMYLGYEY-28(-29)	

[–] **Main Sequence Ions**

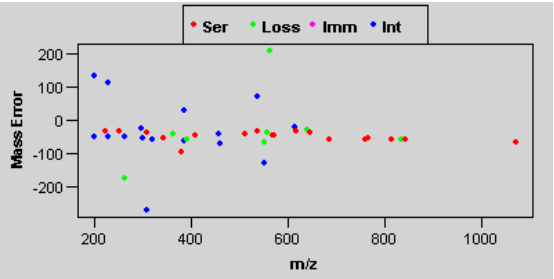
b	b^{+2}			y	y^{+2}
---	---	1	**S** 16	---	---
251.1026	---	2	**Y** 15	1840.9302	920.9687
322.1397	---	3	**A** 14	1677.8669	839.4371
450.2347	225.6210	4	**K** 13	1606.8298	803.9185
581.2752	291.1412	5	**M** 12	1478.7348	739.8710
744.3385	372.6729	6	**Y** 11	1347.6943	674.3508
857.4226	429.2149	7	**L** 10	1184.6310	592.8191
914.4441	457.7257	8	**G** 9	1071.5469	536.2771
1077.5074	539.2573	9	**Y** 8	1014.5255	507.7664
1206.5500	603.7786	10	**E** 7	851.4621	426.2347
1369.6133	685.3103	11	**Y** 6	722.4196	361.7134
1468.6817	734.8445	12	**V** 5	559.3562	280.1817
1569.7294	785.3683	13	**T** 4	460.2878	230.6475
1640.7665	820.8869	14	**A** 3	359.2401	180.1237
1753.8506	877.4289	15	**I** 2	288.2030	144.6051
---	---	16	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTC(Carbamidomethyl)PEAPTDEC(Carbamidomethyl)KPVK^{+3}



Max Intensity: **29.9**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.4%** Matched Series Intensity: **97.1%**



Sequence: SYGTC(Carbamidomethyl)PEAPTDEC(Carbamidomethyl)KPVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C81 H128 N21 O30 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1939.8407	1938.8572	970.4240	969.9322	647.2852	646.9572

[–] Peak Matches

178.0826	199.0976	223.1000	227.0912	251.0944	262.0722	298.1314	301.0800	308.1128	319.0880
	TD-H_2O(132) PT(-51) PE-28(-51)	a_2(-35)	DE-H_2O(110) PE(-50)	b_2(-33)	TC(Carbamidomethyl)(-51) EC(Carbamidomethyl)-28(-51) a_3-H_2O(-177)	EAP(-28) PEA(-28)	GTC(Carbamidomethyl)-H_2O(-55)	b_3(-37) KPV-NH_3(-273)	GTC(Carbamidomethyl)(-60)
343.2153	**363.1509**	**381.1398**	**387.1086**	**391.1373**	**408.1753**	**409.1529**	**426.1643**	**458.1505**	**460.1521**
y_3(-54)	a_4-H_2O(-42)	EAPT-H_2O(-97) a_4(-97)	DEC(Carbamidomethyl)-H_2O(30) C(Carbamidomethyl)PE(-64)	b_4-H_2O(-61)		b_4(-46)		C(Carbamidomethyl)PEA(-43)	TC(Carbamidomethyl)PE-28(-74)
510.8806	**537.2492**	**551.1555**	**557.5661**	**562.2509**	**563.8992**	**569.1748**	**572.7590**	**616.2250**	**617.9247**
y_{13}^{+3}(-43)	C(Carbamidomethyl)PEAP-H_2O(68) y_9^{+2}(-36)	b_5-H_2O(-66) YGTC(Carbamidomethyl)P-28(-132)	y_{15}-H_2O^{+3}(-40)		y_{10}-H_2O^{+2}(208)	b_5(-49)	y_{10}^{+2}(-49)	GTC(Carbamidomethyl)PEA(-24) TDEC(Carbamidomethyl)K-H_2O(-24)	y_{16}^{+3}(-35)
634.9146	**640.9333**	**646.9323**	**685.7938**	**760.3581**	**765.8062**	**816.3259**	**835.8311**	**844.8349**	**1073.4576**
	MH-H_2O^{+3}(-32)	MH^{+3}(-39)	y_{12}^{+2}(-60)	y_6(-58)	y_{13}^{+2}(-57)	y_{14}^{+2}(-59)	y_{15}-H_2O^{+2}(-58)	y_{15}^{+2}(-59)	y_9(-67)

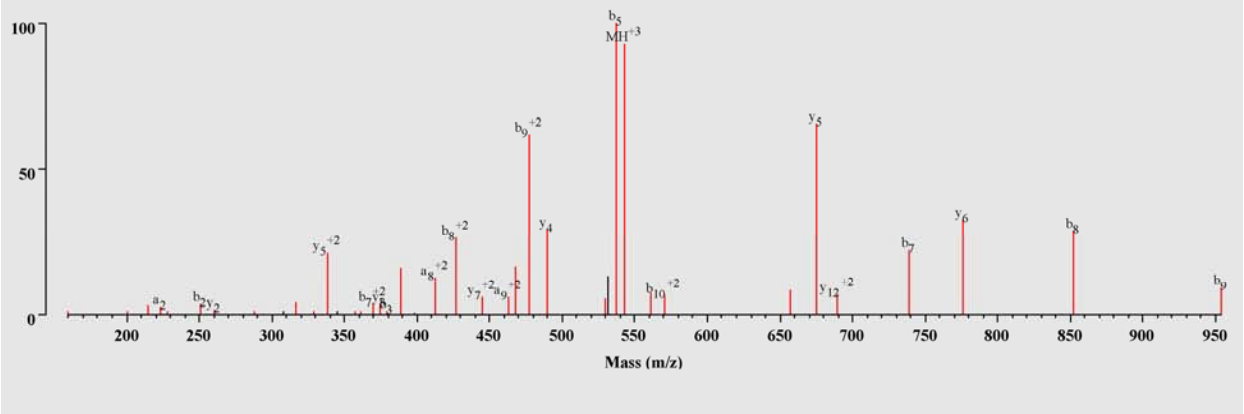
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	17	---	---
251.1026	---	2	**Y**	16	1851.8252	926.4162
308.1241	---	3	**G**	15	1688.7618	844.8846
409.1718	---	4	**T**	14	1631.7404	816.3738
569.2024	---	5	**C(Carbamidomethyl)**	13	1530.6927	765.8500
666.2552	---	6	**P**	12	1370.6620	685.8347
795.2978	---	7	**E**	11	1273.6093	637.3083
866.3349	---	8	**A**	10	1144.5667	572.7870
963.3877	---	9	**P**	9	1073.5296	537.2684
1064.4353	---	10	**T**	8	976.4768	488.7420
1179.4623	---	11	**D**	7	875.4291	438.2182
1308.5049	---	12	**E**	6	760.4022	380.7047
1468.5355	---	13	**C(Carbamidomethyl)**	5	631.3596	316.1834

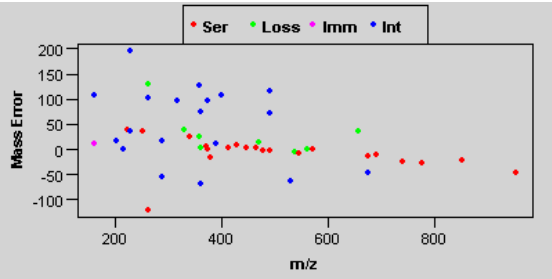
1596.6305	798.8189	14	**K**	4	471.3289	236.1681
1693.6832	847.3453	15	**P**	3	343.2340	172.1206
1792.7517	896.8795	16	**V**	2	246.1812	123.5942
---	---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKSASDLTWDNLK^{+3}



Max Intensity: **45.1**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **97.5%** Matched Series Intensity: **96.4%**



Sequence SYKSASDLTWDNLK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C72 H111 N18 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1628.7898	1627.7962	814.8986	814.4018	543.6016	543.2703

[–] Peak Matches

159.0935	200.1427	215.1389	223.1164	228.1427	251.1118	260.1655	288.1395	308.1983	316.1806
AS(107) SA(107) W(11)	NL-28(17)	LT(-0.55)	a_2(39)	SAS-H_2O(196) NL(37)	b_2(37)	b_5-H_2O^{+2}(130) TW-28(101) y_2(-121)	TW(18) SDL-28(-55)		SDL(96)
329.1843	**338.1856**	**345.2157**	**357.2218**	**361.1622**	**370.1684**	**374.2397**	**379.1916**	**389.2078**	**398.1887**
y_5-H_2O^{+2}(39)	y_5^{+2}(26)		KSAS-NH_3(126) y_3-NH_3(24)	SASD(74) b_7-H_2O^{+2}(2.7) b_3-H_2O(-69) YKS-H_2O(-69)	b_7^{+2}(5.2)	KSAS(97) y_3(-0.26)	YKS(-16) b_3(-16)	SDLT-28(12)	WDN-H_2O(108)
412.7119	**426.7117**	**445.2443**	**463.2363**	**468.2337**	**477.2312**	**489.2656**	**529.2078**	**531.9229**	**537.2639**
a_8^{+2}(2.0)	b_8^{+2}(7.3)	y_7^{+2}(4.0)	a_9^{+2}(3.0)	b_9-H_2O^{+2}(14)	b_9^{+2}(-2.4)	TWDN-28(115) KSASD(72) y_4(-2.3)	WDNL(-62)		YKSAS(-5.3) MH-H_2O^{+3}(-5.3) b_5(-5.3) y_9-H_2O^{+2}(-5.3)
543.2666	**561.2664**	**570.2723**	**657.3600**	**675.3364**	**689.3474**	**739.3075**	**776.3733**	**852.3901**	**953.4136**
MH^{+3}(-6.7)	b_{10}-H_2O^{+2}(-0.60)	b_{10}^{+2}(0.49)	y_5-H_2O(37)	y_5(-14) KSASDLT-28(-46)	y_{12}^{+2}(-9.7)	b_7(-25)	y_6(-26)	b_8(-23)	b_9(-46)

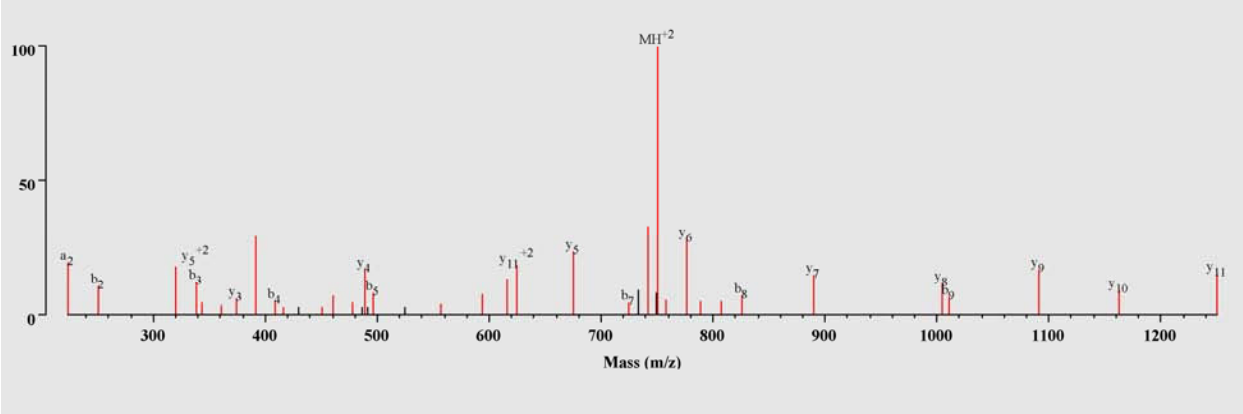
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1540.7642	770.8857
379.1976	190.1024	3	K	12	1377.7009	689.3541
466.2296	233.6185	4	S	11	1249.6059	625.3066
537.2667	269.1370	5	A	10	1162.5739	581.7906
624.2988	312.6530	6	S	9	1091.5368	546.2720
739.3257	370.1665	7	D	8	1004.5047	502.7560
852.4098	426.7085	8	L	7	889.4778	445.2425
953.4575	477.2324	9	T	6	776.3937	388.7005
1139.5368	570.2720	10	W	5	675.3461	338.1767
1254.5637	627.7855	11	D	4	489.2667	245.1370
1368.6066	684.8070	12	N	3	374.2398	187.6235
1481.6907	741.3490	13	L	2	260.1969	130.6021

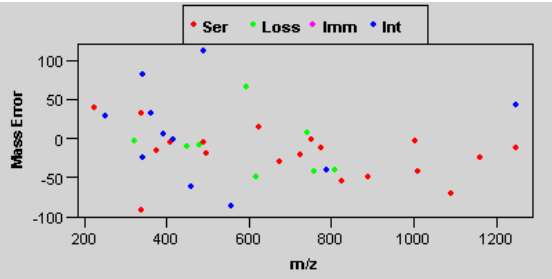
---	---	14	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSASDLTWDNLK^{+2}



Max Intensity: **4.56**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **94.3%** Matched Series Intensity: **92.2%**



Sequence: SYSASDLTWDNLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C66 H99 N16 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1500.6147	1499.7013	750.8110	750.3543

[–] **Peak Matches**

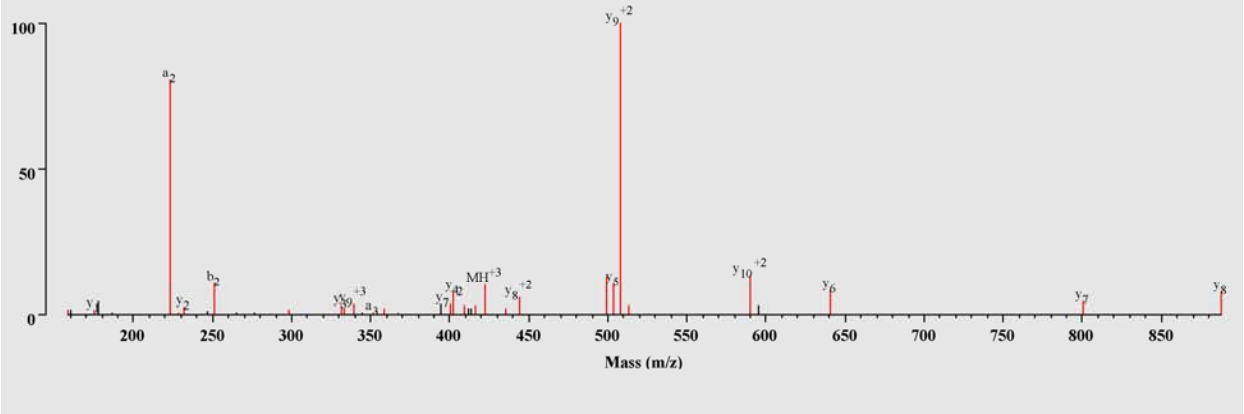
223.1165	251.1100	320.1230	338.1454	343.1531	361.1470	374.2340	391.1636	409.1699	416.1561
YS-28(39) a_2(39)	b_2(29) YS(29)	b_3-H_2O(-3.4)	b_3(32) y_5^{+2}(-92)	SASD-H_2O(82) DNL(-24)	SASD(32)	y_3(-15)	b_4-H_2O(6.1) YSAS-H_2O(6.1)	YSAS(-4.6) b_4(-4.6)	WDN(-0.86)
429.1837	**450.1932**	**460.2119**	**478.1890**	**486.2022**	**489.2641**	**491.2505**	**496.1943**	**525.2001**	**557.2081**
	a_5-H_2O(-11)	ASDLT-28(-61)	b_5-H_2O(-8.9)		TWDN-28(112) y_4(-5.4)		YSASD-28(-19) b_5(-19)		SASDLT-H_2O(-87)
593.2590	**616.2704**	**625.3154**	**675.3257**	**724.2996**	**732.8493**	**741.3538**	**749.3477**	**750.3532**	**758.3511**
b_6-H_2O(65)	y_{11}-H_2O^{+2}(-50)	y_{11}^{+2}(14)	y_5(-30)	b_7(-21)		MH-H_2O^{+2}(6.5)		MH^{+2}(-1.4)	y_6-H_2O(-42)
776.3846	**789.3088**	**807.3200**	**825.3168**	**889.4335**	**1004.5013**	**1011.3998**	**1091.4592**	**1162.5462**	**1249.5907**
y_6(-12)	ASDLTWD(-41)	b_8-H_2O(-40)	b_8(-55)	y_7(-50)	y_8(-3.4)	YSASDLTWD-28(-42) b_9(-42)	y_9(-71)	y_{10}(-24)	YSASDLTWDNL-NH_3(43) y_{11}(-12)

[–] **Main Sequence Ions**

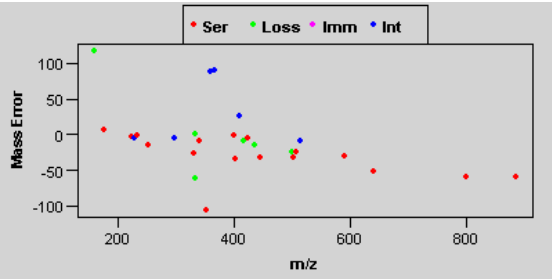
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1412.6692	706.8383
338.1347	3	S	11	1249.6059	625.3066
409.1718	4	A	10	1162.5739	581.7906
496.2038	5	S	9	1091.5368	546.2720
611.2307	6	D	8	1004.5047	502.7560
724.3148	7	L	7	889.4778	445.2425
825.3625	8	T	6	776.3937	388.7005
1011.4418	9	W	5	675.3461	338.1767
1126.4687	10	D	4	489.2667	245.1370
1240.5117	11	N	3	374.2398	187.6235
1353.5957	12	L	2	260.1969	130.6021
---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKSC(Carbamidomethyl)HTAVGR^{+3}



Max Intensity: **142**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **91.8%** Matched Series Intensity: **91.9%**



Sequence: SYKSC(Carbamidomethyl)HTAVGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H85 N18 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1266.2645	1265.6055	633.6359	633.3064	422.7598	422.5400

[–] Peak Matches

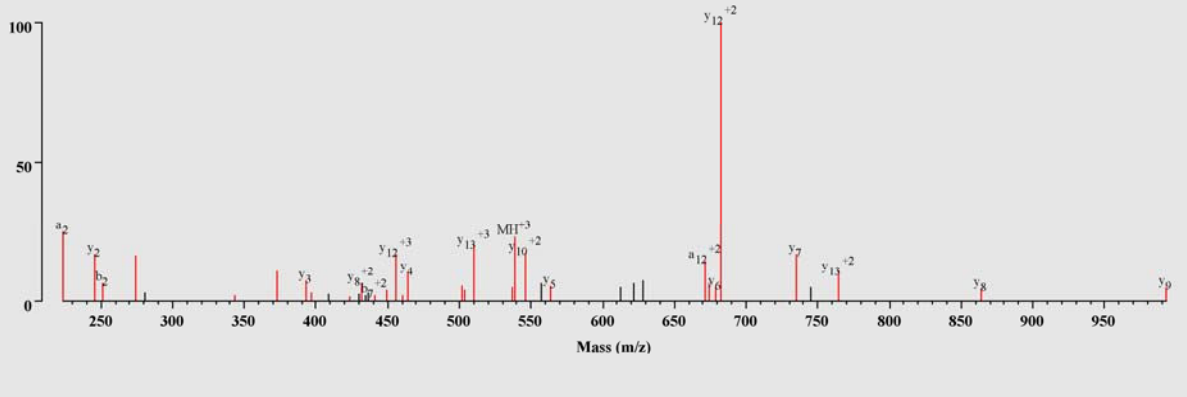
158.1109	160.0769	175.1202	178.0856	186.1139	223.1069	228.1332	232.1400	247.1439	251.0991
y_1-NH_3(117)		y_1(7.1)			a_2(-3.7)	AVG(-4.7)	y_2(-1.8)		b_2(-14)
265.0339	**276.1136**	**298.0952**	**331.2002**	**333.1716**	**339.1716**	**344.1885**	**351.1655**	**358.1856**	**367.1514**
		C(Carbamidomethyl)H(-5.5)	y_3(-26)	y_9-H_2O^{+3}(0.64) a_3-H_2O(-62)	y_9^{+3}(-9.8)		YKS-28(-106) a_3(-106)	KSC(Carbamidomethyl)-H_2O(87)	SC(Carbamidomethyl)H-H_2O(90)
394.1969	**400.6944**	**402.2322**	**409.2298**	**411.7185**	**413.2157**	**416.5330**	**422.1957**	**422.5380**	**435.1999**
	y_7^{+2}(-2.1)	y_4(-34)	HTAV(25)			MH-H_2O^{+3}(-8.4)		MH^{+3}(-4.8)	y_8-H_2O^{+2}(-14)
444.1970	**499.2411**	**503.2773**	**508.2467**	**513.2191**	**589.7720**	**595.3214**	**640.3192**	**800.3352**	**887.3629**
y_8^{+2}(-32)	y_9-H_2O^{+2}(-25)	y_5(-32)	y_9^{+2}(-24)	KSC(Carbamidomethyl)H(-9.2)	y_{10}^{+2}(-31)		y_6(-52)	y_7(-60)	y_8(-59)

[–] Main Sequence Ions

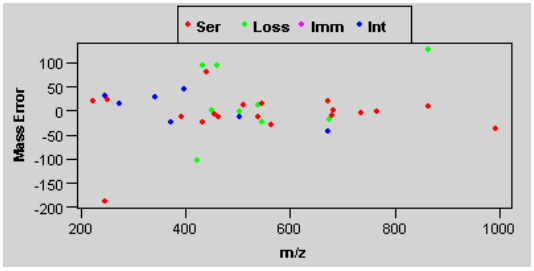
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1178.5735	589.7904
379.1976	190.1024	3	**K**	9	1015.5102	508.2587
466.2296	233.6185	4	**S**	8	887.4152	444.2112
626.2603	313.6338	5	**C(Carbamidomethyl)**	7	800.3832	400.6952
763.3192	382.1632	6	**H**	6	640.3525	320.6799
864.3669	432.6871	7	**T**	5	503.2936	252.1504
935.4040	468.2056	8	**A**	4	402.2459	201.6266
1034.4724	517.7398	9	**V**	3	331.2088	166.1081
1091.4939	546.2506	10	**G**	2	232.1404	116.5738
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)LVEKGDVAFVK^{+3}



Max Intensity: **11.6**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **89.7%** Matched Series Intensity: **89.1%**



Sequence: SYC(Carbamidomethyl)LVEKGDVAFVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H116 N17 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1615.7351	1614.8196	808.3713	807.9134	539.2500	538.9447

[–] Peak Matches

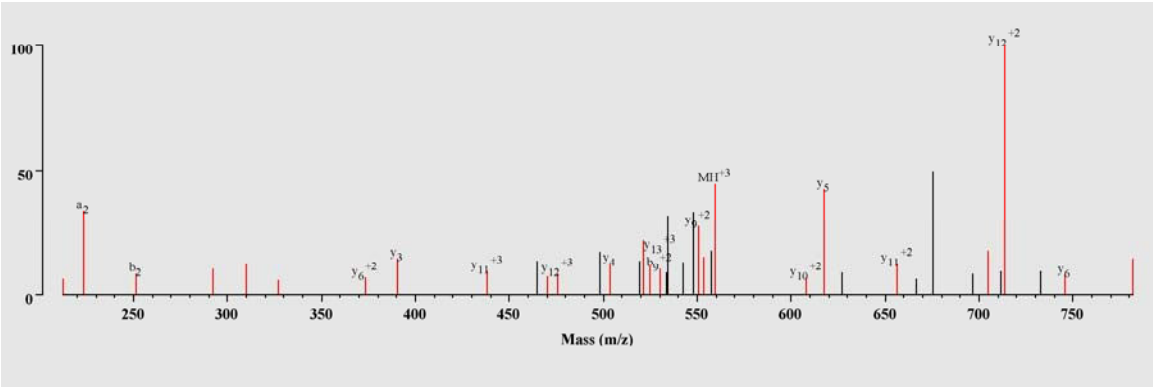
223.1120	246.1349	251.1084	274.1260	281.0478	343.1711	373.1810	393.2449	397.2260	408.7538
a_2(19)	C(Carbamidomethyl)L-28(32) y_2(-188)	b_2(23)	C(Carbamidomethyl)L(15)		GDVA(29)	C(Carbamidomethyl)LV(-25)	y_3(-12)	VEKG-NH_3(45)	
423.2045	**429.7615**	**432.2429**	**434.7611**	**436.7426**	**440.7504**	**449.5763**	**455.5759**	**460.7556**	**464.2807**
y_8-H_2O^{+2}(-102)		b_7-NH_3^{+2}(95) y_8^{+2}(-23)			b_7^{+2}(80)	y_{12}-H_2O^{+3}(0.49)	y_{12}^{+3}(-8.1)	b_8-NH_3^{+2}(93)	y_4(-13)
502.2265	**503.9292**	**509.9398**	**537.3103**	**538.9371**	**546.3163**	**557.2752**	**563.3380**	**612.8081**	**621.8066**
C(Carbamidomethyl)LVE(-13)	y_{13}-H_2O^{+3}(-2.7)	y_{13}^{+3}(11)	y_{10}-H_2O^{+2}(13)	MH^{+3}(-14)	y_{10}^{+2}(14) y_5-NH_3(-23)		y_5(-30)		
627.8222	**671.3434**	**673.8493**	**678.3747**	**682.8658**	**735.3994**	**745.3933**	**764.3952**	**863.5064**	**992.5042**
	a_{12}^{+2}(21) VEKGDVA-28(-43)	y_{12}-H_2O^{+2}(-17)	y_6(-11)	y_{12}^{+2}(0.082)	y_7(-5.7)		y_{13}^{+2}(-2.9)	b_7-NH_3(127) y_8(9.1)	y_9(-37)

[–] Main Sequence Ions

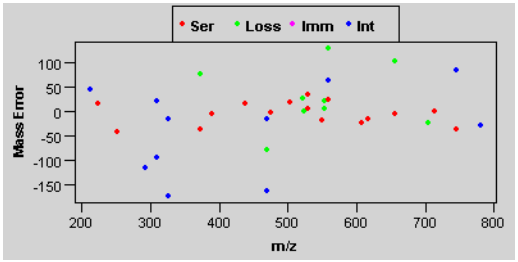
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1527.7876	764.3974
411.1333	---	3	**C(Carbamidomethyl)**	12	1364.7242	682.8658
524.2173	---	4	**L**	11	1204.6936	602.8504
623.2858	---	5	**V**	10	1091.6095	546.3084
752.3284	---	6	**E**	9	992.5411	496.7742
880.4233	440.7153	7	**K**	8	863.4985	432.2529
937.4448	469.2260	8	**G**	7	735.4036	368.2054
1052.4717	526.7395	9	**D**	6	678.3821	339.6947
1151.5401	576.2737	10	**V**	5	563.3552	282.1812
1222.5773	611.7923	11	**A**	4	464.2867	232.6470
1369.6457	685.3265	12	**F**	3	393.2496	197.1285
1468.7141	734.8607	13	**V**	2	246.1812	123.5942
---	---	14	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNPDPWAKNLNEK^{+3}



Max Intensity: **4.29**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **66.4%** Matched Series Intensity: **62.9%**



Sequence SYNPDPWAKNLNEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C75 H111 N20 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1676.8372	1675.8075	838.9223	838.4074	559.6174	559.2740

[–] **Peak Matches**

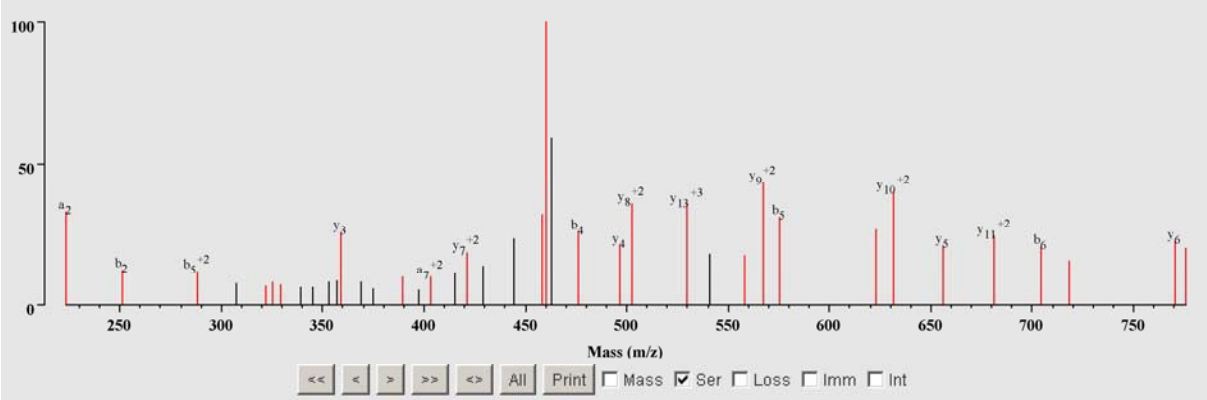
212.1126	223.1113	251.0927	292.0960	310.1104	327.1249	373.2005	390.1968	437.9017	464.5637
NP(45)	a_2(16)	b_2(-40)	PDP-H_2O(-114)	NPD-NH_3(23) PDP(-95)	NPD(-15) PWA-28(-173)	y_3-NH_3(77) y_6^{+2}(-36)	y_3(-3.9)	y_{11}^{+3}(16)	
470.1962	**475.9081**	**498.2636**	**503.2912**	**518.9071**	**521.2574**	**524.5880**	**530.2672**	**533.7554**	**534.2234**
DPWA(-15) y_{12}-NH_3^{+3}(-79) KNLN(-162)	y_{12}^{+3}(-1.7)		y_4(18)		b_9-H_2O^{+2}(27)	y_{13}-NH_3^{+3}(0.36)	b_9^{+2}(36) y_{13}^{+3}(7.3)		
542.2790	**547.9177**	**550.2884**	**553.2739**	**553.6101**	**557.2970**	**559.2872**	**607.7974**	**617.3163**	**626.8286**
		y_9^{+2}(-18)	MH-H_2O^{+3}(6.2)	MH-NH_3^{+3}(21)		b_5-H_2O(130) YNPDP-28(65) MH^{+3}(24)	y_{10}^{+2}(-24)	y_5(-15)	
656.3353	**666.8314**	**675.3326**	**696.3491**	**704.8292**	**711.3617**	**713.3596**	**732.8478**	**745.3931**	**781.3778**
b_6-H_2O(103) y_{11}^{+2}(-4.5)				y_{12}-NH_3^{+2}(-24)		y_{12}^{+2}(-0.13)		YNPDPW-28(84) y_6(-36)	NPDPWAK-28(-27) PDPWAKN-28(-27)

[–] **Main Sequence Ions**

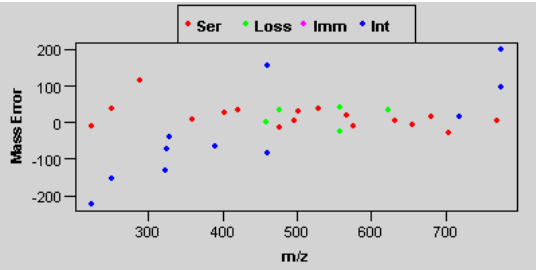
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1588.7754	794.8914
365.1456	---	3	N	12	1425.7121	713.3597
462.1983	---	4	P	11	1311.6692	656.3382
577.2253	---	5	D	10	1214.6164	607.8118
674.2780	---	6	P	9	1099.5895	550.2984
860.3573	---	7	W	8	1002.5367	501.7720
931.3945	---	8	A	7	816.4574	408.7323
1059.4894	530.2483	9	K	6	745.4203	373.2138
1173.5323	587.2698	10	N	5	617.3253	309.1663
1286.6164	643.8118	11	L	4	503.2824	252.1448
1400.6593	700.8333	12	N	3	390.1983	195.6028
1529.7019	765.3546	13	E	2	276.1554	138.5813
---	---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKPVEEYANC(Carbamidomethyl)HLAR^{+4}



Max Intensity: **5.68**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **78.8%** Matched Series Intensity: **78.8%**



Sequence: SYKPVEEYANC(Carbamidomethyl)HLAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H122 N23 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1837.8992	1836.8697	919.4533	918.9385	613.3047	612.9614	460.2304	459.9729

[–] **Peak Matches**

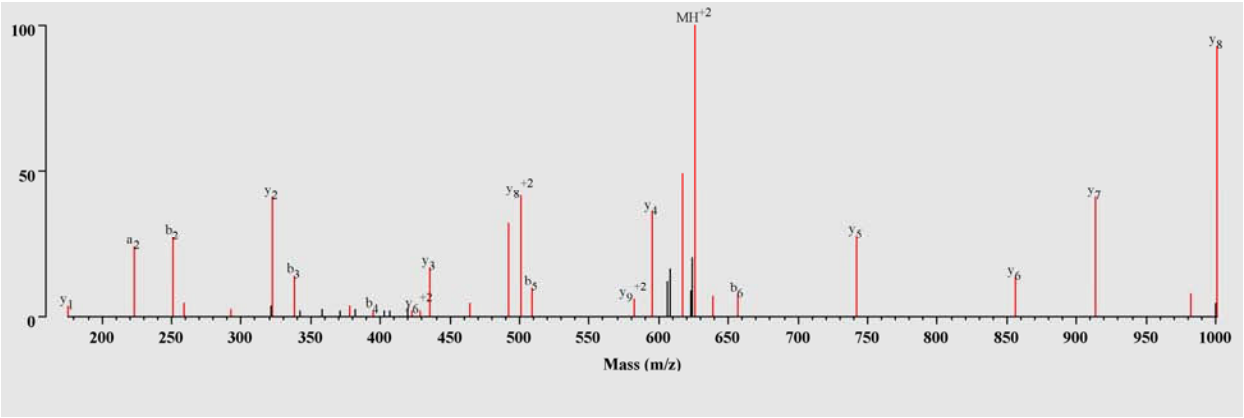
223.1054	**251.1117**	**288.1965**	**307.2073**	**322.1446**	**325.1994**	**329.0788**	**339.1687**	**345.1161**	**353.1824**
a_2(-10) HL-28(-224)	b_2(36) HL(-154)	b_5^{+2}(116)		HLA(-133)	KPV(-74)	ANC(Carbamidomethyl)-NH_3(-38)			
357.1772	**359.2439**	**369.1205**	**375.2082**	**389.1927**	**397.2451**	**403.2193**	**415.2511**	**421.2230**	**429.0724**
	y_3(10)			YKP(-66)		a_7^{+2}(28)		y_7^{+2}(34)	
444.2521	**458.2397**	**460.2539**	**462.7488**	**476.2434**	**496.3005**	**502.7548**	**529.6161**	**540.8142**	**558.2784**
	b_4-H_2O(-0.21)	EYAN-H_2O(155) YKPV-28(-82)		a_8-NH_3^{+2}(35) b_4(-15)	y_4(2.9)	y_8^{+2}(29)	y_{13}^{+3}(37)		y_9-H_2O^{+2}(40) b_5-NH_3(-25)
567.2734	**575.3137**	**622.7982**	**631.7852**	**656.3263**	**681.3276**	**704.3423**	**718.3884**	**770.3749**	**775.4377**
y_9^{+2}(21)	b_5(-8.8)	y_{10}-H_2O^{+2}(33)	y_{10}^{+2}(3.9)	y_5(-5.2)	y_{11}^{+2}(16)	b_6(-27)	KPVEEY-28(16) YKPVEE-28(16)	y_6(3.0)	EYANC(Carbamidomethyl)H(200) PVEEYAN-28(98)

[–] **Main Sequence Ions**

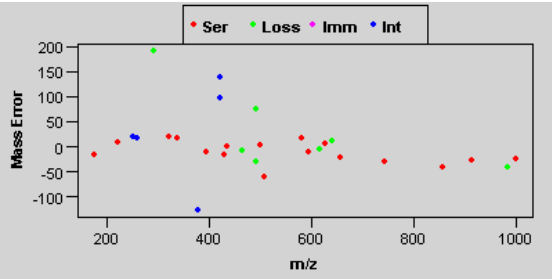
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1749.8377	875.4225
379.1976	190.1024	3	K	13	1586.7744	793.8908
476.2504	238.6288	4	P	12	1458.6794	729.8434
575.3188	288.1630	5	V	11	1361.6267	681.3170
704.3614	352.6843	6	E	10	1262.5582	631.7828
833.4040	417.2056	7	E	9	1133.5157	567.2615
996.4673	498.7373	8	Y	8	1004.4731	502.7402
1067.5044	534.2558	9	A	7	841.4097	421.2085
1181.5473	591.2773	10	N	6	770.3726	385.6899
1341.5780	671.2926	11	C(Carbamidomethyl)	5	656.3297	328.6685
1478.6369	739.8221	12	H	4	496.2990	248.6532
1591.7210	796.3641	13	L	3	359.2401	180.1237
1662.7581	831.8827	14	A	2	246.1561	123.5817
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSGNFC(Carbamidomethyl)LFR^{+2}



Max Intensity: **4.32**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **88.3%** Matched Series Intensity: **85.1%**



Sequence: SYSGNFC(Carbamidomethyl)LFR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300

Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H80 N15 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1251.2495	1250.5623	626.1284	625.7848

[–] Peak Matches

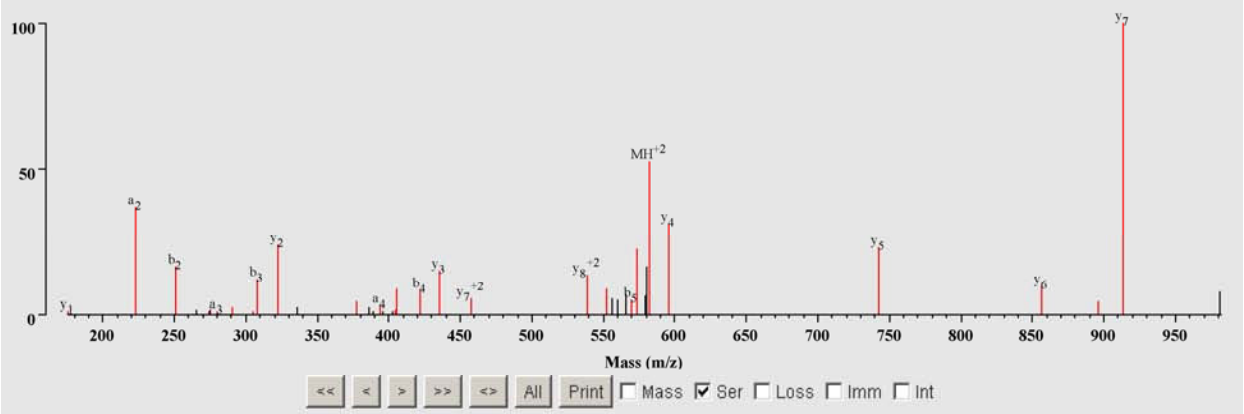
175.1162	223.1099	251.1077	259.1082	292.1850	321.1394	322.1934	338.1400	342.2122	358.1445
y_1(-16)	YS-28(9.8) a_2(9.8)	b_2(20) YS(20)	SGN(17)	a_3-H_2O(191)		y_2(19)	b_3(16)		
371.1174	**378.1291**	**382.0979**	**395.1514**	**403.1681**	**407.2105**	**419.1873**	**422.2077**	**428.7041**	**435.2718**
	SGNF-28(-127)		b_4(-12)				NFC(Carbamidomethyl)(138) YSGN(96)	y_6^{+2}(-15)	y_3(0.85)
464.1741	**492.2087**	**500.7382**	**509.1681**	**582.2780**	**595.2960**	**606.3401**	**608.2641**	**616.7756**	**623.3623**
a_5-NH_3(-7.5)	b_5-NH_3(74) y_8-NH_3^{+2}(-31)	y_8^{+2}(2.2)	b_5(-61)	y_9^{+2}(16)	y_4(-10)			MH-H_2O^{+2}(-6.3)	
624.3527	**625.7889**	**639.2483**	**656.2528**	**742.3473**	**856.3795**	**913.4109**	**982.4169**	**1000.0557**	**1000.4418**
	MH^{+2}(6.6)	b_6-NH_3(12)	b_6(-22)	y_5(-31)	y_6(-40)	y_7(-26)	y_8-H_2O(-40)		y_8(-25)

[–] Main Sequence Ions

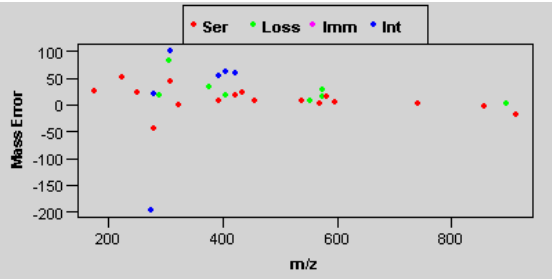
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1163.5302	582.2688
338.1347	3	S	8	1000.4669	500.7371
395.1561	4	G	7	913.4349	457.2211
509.1991	5	N	6	856.4134	428.7103
656.2675	6	F	5	742.3705	371.6889
816.2981	7	C(Carbamidomethyl)	4	595.3021	298.1547
929.3822	8	L	3	435.2714	218.1394
1076.4506	9	F	2	322.1874	161.5973
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGNFC(Carbamidomethyl)LFR^{+2}



Max Intensity: **7.41**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **87.7%** Matched Series Intensity: **85.1%**



Sequence: SYGNFC(Carbamidomethyl)LFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C53 H75 N14 O14 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1164.1708	1163.5302	582.5891	582.2688

[–] Peak Matches

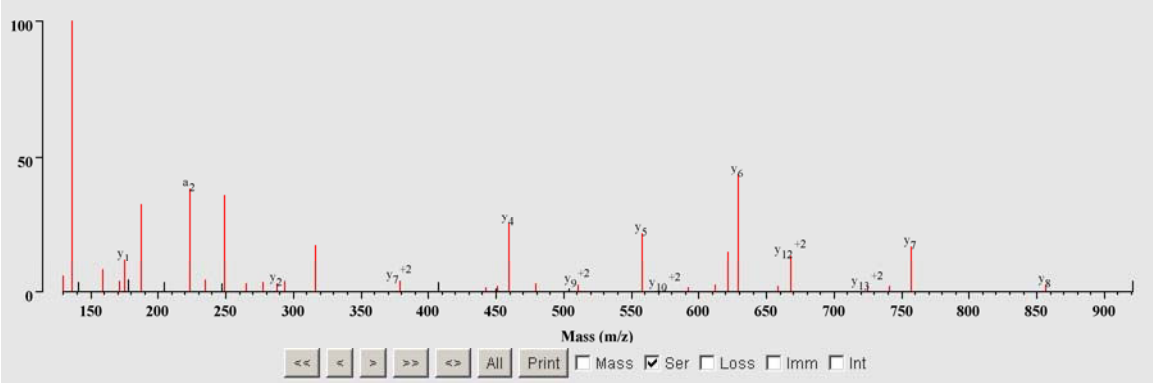
175.1237	223.1194	251.1085	265.0841	274.0680	275.1673	280.1171	290.1185	305.1858	308.1374
y_1(27)	a_2(52)	b_2(23)		C(Carbamidomethyl)L(-197)		FC(Carbamidomethyl)-28(20) a_3(-43)	b_3-H_2O(17)	y_2-NH_3(82)	FC(Carbamidomethyl)(101) b_3(43)
322.1869	**336.1800**	**377.1580**	**386.0854**	**389.2736**	**394.1754**	**396.1243**	**402.2353**	**404.1812**	**405.1483**
y_2(-1.4)		a_4-NH_3(33)			NFC(Carbamidomethyl)-28(53) a_4(8.3)			b_4-H_2O(61)	NFC(Carbamidomethyl)-NH_3(63) b_4-NH_3(19)
422.1741	**435.2810**	**457.2243**	**538.7570**	**552.2131**	**555.7302**	**559.7644**	**565.2815**	**569.2372**	**573.2793**
NFC(Carbamidomethyl)(59) b_4(17)	y_3(22)	y_7^{+2}(7.0)	y_8^{+2}(7.9)	b_5-NH_3(7.6)				b_5(3.1)	MH-H_2O^{+2}(28)
573.7643	**579.3293**	**580.3502**	**582.2783**	**595.3054**	**742.3720**	**856.4106**	**896.4099**	**913.4197**	**981.5120**
MH-NH_3^{+2}(15)			MH^{+2}(16)	y_4(5.6)	y_5(2.0)	y_6(-3.3)	y_7-NH_3(1.7)	y_7(-17)	

[–] Main Sequence Ions

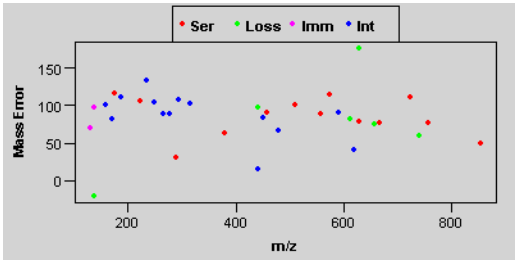
b				y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	1076.4982	538.7527
308.1241	3	G	7	913.4349	457.2211
422.1670	4	N	6	856.4134	428.7103
569.2354	5	F	5	742.3705	371.6889
729.2661	6	C(Carbamidomethyl)	4	595.3021	298.1547
842.3502	7	L	3	435.2714	218.1394
989.4186	8	F	2	322.1874	161.5973
---	9	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYLGEEYVKAVGNLR^{+3}



Max Intensity: **5.19**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **94.6%** Matched Series Intensity: **93.7%**



Sequence SYYLGEEYVKAVGNLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C85 H130 N21 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1862.1053	1860.9490	931.5564	930.9782	621.3734	620.9879

[–] **Peak Matches**

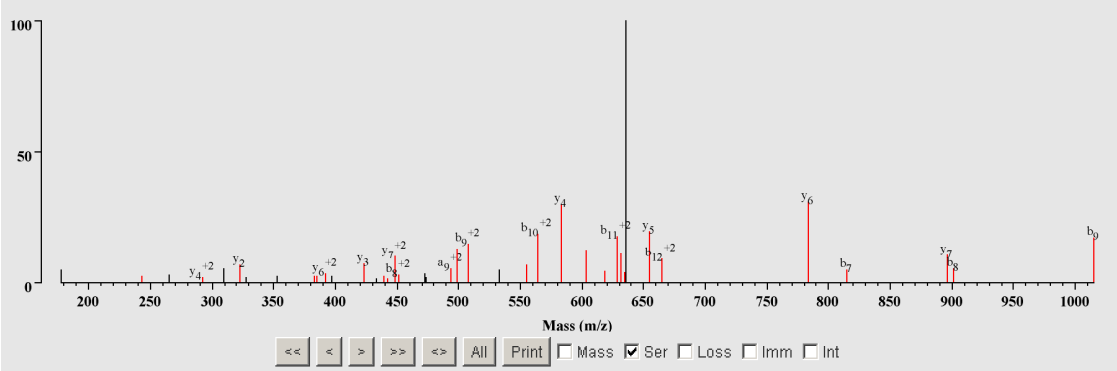
129.1111	136.0890	141.0793	159.0924	171.1268	175.1393	178.1079	187.0919	204.1609	223.1312
VG-28(69) K(69)	Y(98) y_2-$NH_3$$^{+2}$(-21)		GE-28(100)	LG(82) AV(82)	y_1(116)		GE(110)		a_2(105)
235.1753	**247.1460**	**249.1857**	**265.1419**	**277.1794**	**288.2118**	**293.1447**	**316.1461**	**379.2614**	**407.2532**
YV-28(133)		YL-28(104)	EY-28(89)	YL(89)	y_2(30)	EY(107)	GEE(102)	$y_7$$^{+2}$(63)	
442.2837	**450.2795**	**451.2199**	**459.3091**	**479.2088**	**504.3177**	**510.3550**	**558.3854**	**574.8900**	**592.3147**
y_4-NH_3(97) KAVGN-28(15)		GEEY-28(83)	y_4(91)	GEEY(66)		$y_9$$^{+2}$(101)	y_5(89)	$y_{10}$$^{+2}$(114)	LGEEY(90) YLGEE(90)
612.3957	**621.3492**	**629.4218**	**658.9007**	**667.9083**	**724.4782**	**740.4853**	**757.5266**	**856.5784**	**920.5585**
y_6-NH_3(81)	EEYVK-28(40)	a_{11}-$H_2O$$^{+2}$(176) y_6(78)	y_{12}-$H_2O$$^{+2}$(75)	$y_{12}$$^{+2}$(77)	$y_{13}$$^{+2}$(110)	y_7-NH_3(59)	y_7(77)	y_8(49)	

[–] **Main Sequence Ions**

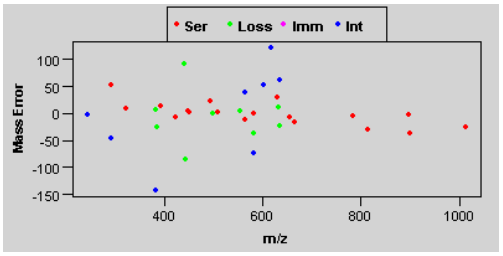
b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1773.9170	887.4621
414.1660	---	3	Y	14	1610.8537	805.9305
527.2500	---	4	L	13	1447.7904	724.3988
584.2715	---	5	G	12	1334.7063	667.8568
713.3141	---	6	E	11	1277.6848	639.3461
842.3567	---	7	E	10	1148.6422	574.8248
1005.4200	---	8	Y	9	1019.5996	510.3035
1104.4884	---	9	V	8	856.5363	428.7718
1232.5834	616.7953	10	K	7	757.4679	379.2376
1303.6205	652.3139	11	A	6	629.3729	315.1901
1402.6889	701.8481	12	V	5	558.3358	279.6715
1459.7104	730.3588	13	G	4	459.2674	230.1373
1573.7533	787.3803	14	N	3	402.2459	201.6266
1686.8374	843.9223	15	L	2	288.2030	144.6051
---	---	16	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKC(Carbamidomethyl)STSSLLEAC(Carbamidomethyl)TFR^{+3}



Max Intensity: **6.72**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **67.9%** Matched Series Intensity: **67.0%**



Sequence: SYKC(Carbamidomethyl)STSSLLEAC(Carbamidomethyl)TFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C80 H129 N22 O28 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1910.8455	1909.8783	955.9265	955.4428	637.6201	637.2976

[–] **Peak Matches**

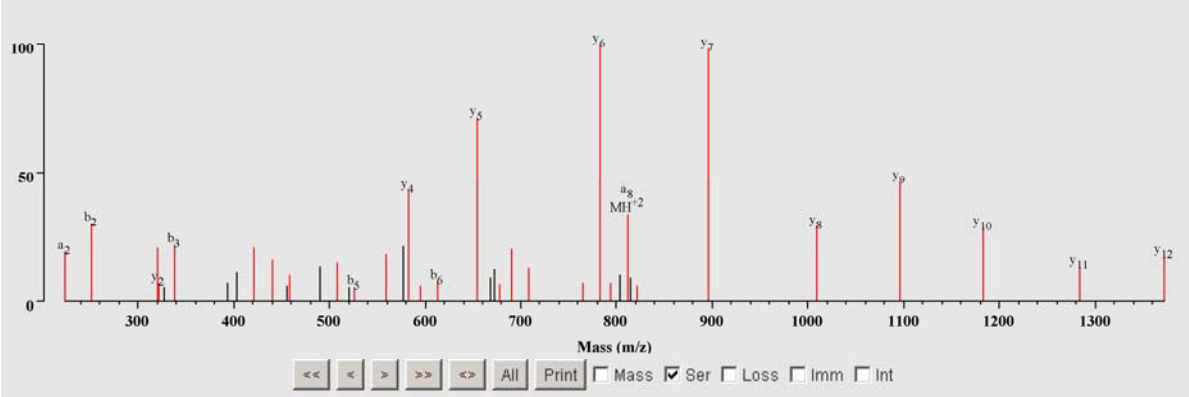
177.1113	243.1331	265.1580	292.1517	309.1851	322.1907	327.1940	353.2101	383.1741	385.1533
	LE(-3.4)		y_4^{+2}(52) YK(-47)		y_2(10)			y_6-H_2O^{+2}(7.9) SSLL-H_2O(-143)	a_7-NH_3^{+2}(-25)
392.1815	**397.2336**	**423.2318**	**433.6785**	**439.7540**	**442.6383**	**448.7199**	**451.1911**	**472.1812**	**473.7433**
y_6^{+2}(13)		y_3(-7.7)		y_7-H_2O^{+2}(93)	b_8-NH_3^{+2}(-86)	y_7^{+2}(3.4)	b_8^{+2}(3.2)		
493.7456	**498.7268**	**507.7324**	**532.8657**	**555.2708**	**564.2673**	**583.2655**	**603.3660**	**618.3306**	**628.8133**
a_9^{+2}(23)	b_9-H_2O^{+2}(0.82)	b_9^{+2}(1.4)		b_{10}-H_2O^{+2}(4.3)	KC(Carbamidomethyl)STS(40) b_{10}^{+2}(-11)	y_4(-0.33) y_{10}-H_2O^{+2}(-37) SSLLEA-H_2O(-74)	TSSLLE-28(52)	C(Carbamidomethyl)STSSL-H_2O(122)	b_{11}^{+2}(29)
631.6291	**634.2887**	**635.3640**	**654.2982**	**664.3024**	**783.3416**	**814.3148**	**896.4267**	**901.3382**	**1014.4296**
MH-NH_3^{+3}(11)	KC(Carbamidomethyl)STSS-NH_3(61) y_{11}-NH_3^{+2}(-23)		y_5(-7.0)	b_{12}^{+2}(-17)	y_6(-4.9)	YKC(Carbamidomethyl)STSS(-31) b_7(-31)	y_7(-3.1)	b_8(-38)	b_9(-26)

[–] **Main Sequence Ions**

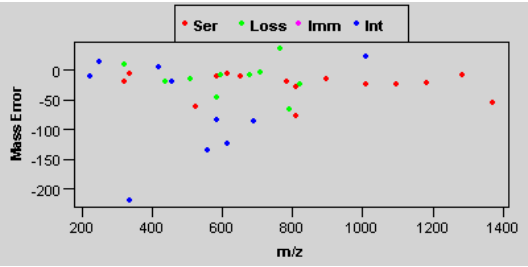
b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1822.8462	911.9268
379.1976	190.1024	3	**K**	14	1659.7829	830.3951
539.2282	270.1178	4	**C(Carbamidomethyl)**	13	1531.6879	766.3476
626.2603	313.6338	5	**S**	12	1371.6573	686.3323
727.3080	364.1576	6	**T**	11	1284.6253	642.8163
814.3400	407.6736	7	**S**	10	1183.5776	592.2924
901.3720	451.1896	8	**S**	9	1096.5456	548.7764
1014.4561	507.7317	9	**L**	8	1009.5135	505.2604
1127.5401	564.2737	10	**L**	7	896.4295	448.7184
1256.5827	628.7950	11	**E**	6	783.3454	392.1763
1327.6198	664.3136	12	**A**	5	654.3028	327.6550
1487.6505	744.3289	13	**C(Carbamidomethyl)**	4	583.2657	292.1365
1588.6982	794.8527	14	**T**	3	423.2350	212.1212
1735.7666	868.3869	15	**F**	2	322.1874	161.5973
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTSSLLEAC(Carbamidomethyl)TFR^{+2}



Max Intensity: **5.64**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **87.1%** Matched Series Intensity: **86.6%**



Sequence SYSTSSLLEAC(Carbamidomethyl)TFR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H109 N18 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1622.6397	1621.7526	811.8236	811.3800

[–] Peak Matches

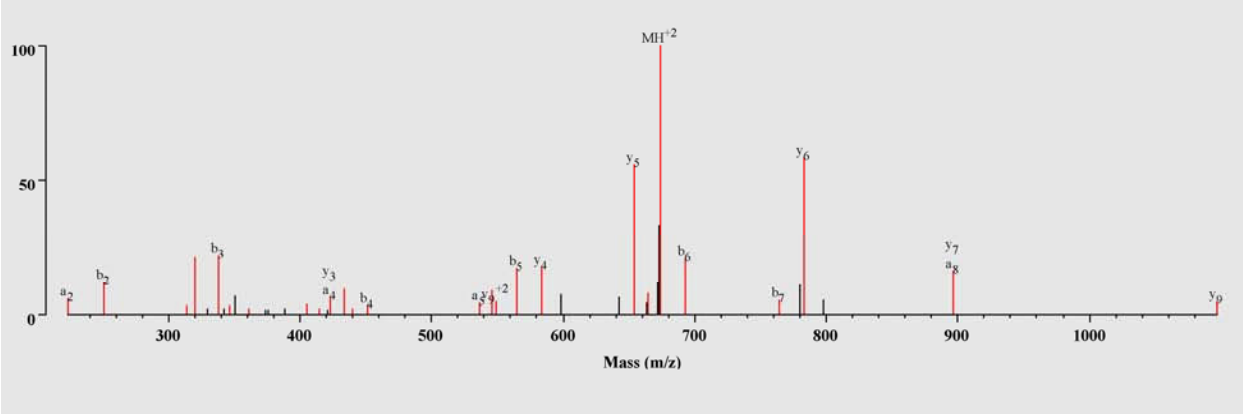
223.1057	251.1062	320.1277	322.1816	327.1351	338.1330	394.1700	403.1681	421.1738	440.1961
a_2(-9.0) YS-28(-9.0)	b_2(14) YS(14)	b_3-H_2O(11)	y_2(-18)		b_3(-4.9) LLE-H_2O(-220)			b_4-H_2O(4.8) YSTS-H_2O(4.8)	y_7-NH_3^{+2}(-20)
455.1472	**458.2152**	**490.1804**	**508.1969**	**520.2273**	**526.1824**	**559.2155**	**577.2103**	**583.2604**	**595.2313**
	STSSL-H_2O(-20)		YSTSS-H_2O(-14) b_5-H_2O(-14)		YSTSS(-61) b_5(-61)	LLEAC(Carbamidomethyl)-28(-135)		y_4(-9.1) y_{10}-H_2O^{+2}(-46) SSLLEA-H_2O(-83)	b_6-H_2O(-7.6)
613.2435	**654.2954**	**668.3157**	**672.2997**	**677.3222**	**690.3071**	**708.3183**	**765.3634**	**783.3314**	**793.3569**
b_6(-4.7) TSSLLE-H_2O(-123)	y_5(-11)			y_{12}-H_2O^{+2}(-7.1)	STSSLLE-28(-87)	b_7-H_2O(-2.3)	y_6-H_2O(37)	y_6(-18)	a_8-H_2O(-66)
803.3469	**811.3571**	**814.3498**	**821.3839**	**896.4170**	**1009.4902**	**1096.5190**	**1183.5517**	**1284.6143**	**1371.5836**
	MH^{+2}(-28) a_8(-77)		b_8-H_2O(-24)	y_7(-14)	SSLLEAC(Carbamidomethyl)TF(24) y_8(-23)	y_9(-24)	y_{10}(-22)	y_{11}(-8.5)	y_{12}(-54)

[–] Main Sequence Ions

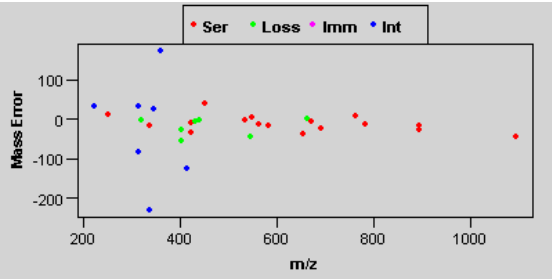
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1534.7206	767.8639
338.1347	3	S	12	1371.6573	686.3323
439.1823	4	T	11	1284.6253	642.8163
526.2144	5	S	10	1183.5776	592.2924
613.2464	6	S	9	1096.5456	548.7764
726.3305	7	L	8	1009.5135	505.2604
839.4145	8	L	7	896.4295	448.7184
968.4571	9	E	6	783.3454	392.1763
1039.4942	10	A	5	654.3028	327.6550
1199.5249	11	C(Carbamidomethyl)	4	583.2657	292.1365
1300.5726	12	T	3	423.2350	212.1212
1447.6410	13	F	2	322.1874	161.5973
---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLLEAC(Carbamidomethyl)TFR^{+2}



Max Intensity: **5.43**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **80.8%** Matched Series Intensity: **75.8%**



Sequence: SYSLLEAC(Carbamidomethyl)TFR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H92 N15 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1347.3766	1346.6409	674.1920	673.8241

[–] Peak Matches

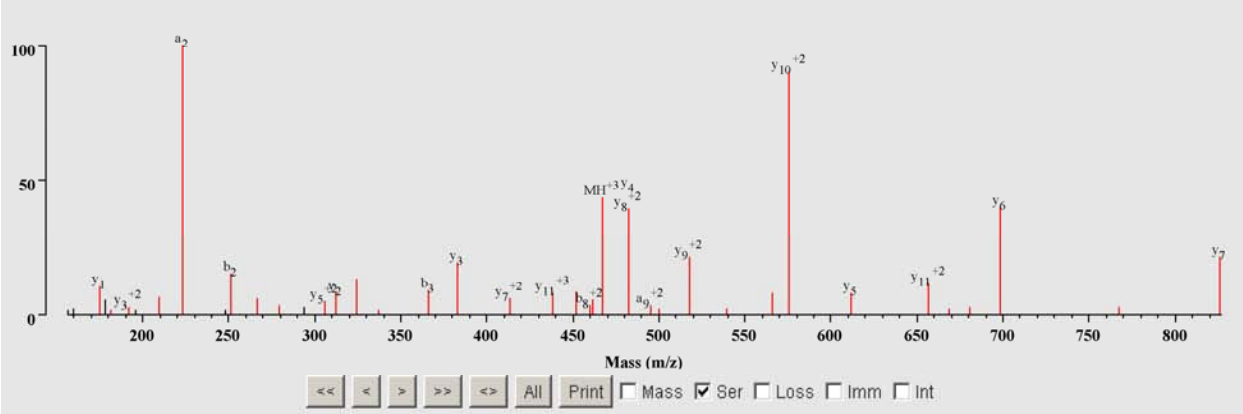
223.1153	251.1057	314.1810	320.1228	329.1733	338.1289	342.1719	346.1843	350.1368	361.1804
a_2(34) YS-28(34)	YS(12) b_2(12)	LEA(32) SLL(-84)	b_3-H_2O(-4.1)		b_3(-17) LLE-H_2O(-232)		YSL-H_2O(24)		EAC(Carbamidomethyl)(174)
374.2316	**376.2375**	**388.1930**	**405.2022**	**415.2032**	**421.1997**	**423.2204**	**433.2055**	**440.2035**	**451.2359**
			a_4-H_2O(-27) y_3-H_2O(-55)	SLLE-28(-125)		a_4(-8.1) y_3(-35)	b_4-H_2O(-6.1)	y_7-NH_3^{+2}(-3.6)	b_4(38)
536.3069	**546.2670**	**548.7785**	**564.2948**	**583.2552**	**598.8218**	**642.3326**	**654.2789**	**663.2944**	**664.8188**
a_5(-1.8)	b_5-H_2O(-46)	y_9^{+2}(3.8)	b_5(-14)	y_4(-18)			y_5(-37)		MH-H_2O^{+2}(-0.019)
671.3583	**673.3143**	**673.8204**	**693.3279**	**764.3888**	**780.4881**	**783.3360**	**797.4927**	**896.4036**	**1096.4964**
		MH^{+2}(-5.5)	b_6(-25)	b_7(8.2)		y_6(-12)		a_8(-16) y_7(-29)	y_9(-45)

[–] Main Sequence Ions

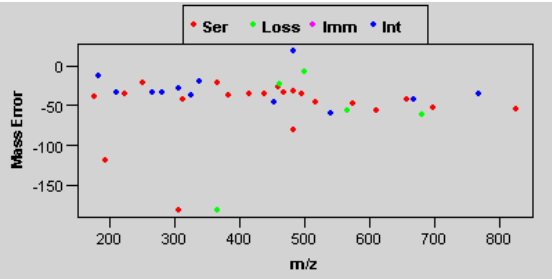
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1259.6089	630.3081
338.1347	3	S	9	1096.5456	548.7764
451.2187	4	L	8	1009.5135	505.2604
564.3028	5	L	7	896.4295	448.7184
693.3454	6	E	6	783.3454	392.1763
764.3825	7	A	5	654.3028	327.6550
924.4131	8	C(Carbamidomethyl)	4	583.2657	292.1365
1025.4608	9	T	3	423.2350	212.1212
1172.5292	10	F	2	322.1874	161.5973
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDAHKSEVAHR^{+3}



Max Intensity: **96.0**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **97.1%** Matched Series Intensity: **97.6%**



Sequence SYDAHKSEVAHR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C59 H91 N20 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1400.5025	1399.6713	700.7550	700.3393	467.5058	467.2286

[–] Peak Matches

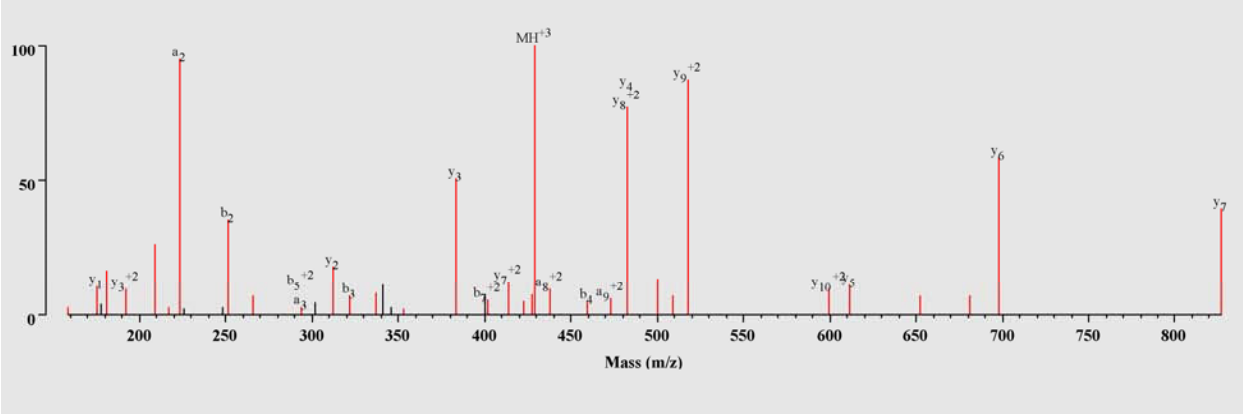
156.0931	160.0733	175.1121	178.0826	181.1062	192.0883	196.0911	209.0965	223.1000	248.1399
		y_1(-39)		AH-28(-12)	y_3^{+2}(-119)		AH(-33)	a_2(-35)	
251.0974	**266.1525**	**279.0884**	**294.1348**	**306.1109**	**312.1644**	**324.1184**	**337.1914**	**366.1219**	**383.2008**
YD-28(-21) b_2(-21)	HK(-33)	YD(-33)		DAH-H_2O(-29) y_5^{+2}(-182)	y_2(-43)	DAH(-37)	AHK(-20)	b_3(-21) y_3-NH_3(-182)	y_3(-37)
413.7158	**438.2028**	**452.2043**	**459.6893**	**461.2144**	**467.2132**	**482.2448**	**495.2203**	**500.2264**	**517.7550**
y_7^{+2}(-35)	y_{11}^{+3}(-35)	DAHK(-46)	b_8^{+2}(-26)	MH-H_2O^{+3}(-23)	MH^{+3}(-33)	HKSE(19) y_8^{+2}(-31) y_4(-80)	a_9^{+2}(-36)	b_9-H_2O^{+2}(-7.5)	y_9^{+2}(-45)
539.2253	**566.2546**	**575.2645**	**611.2920**	**656.7955**	**668.2712**	**680.3054**	**698.3216**	**767.3417**	**826.4074**
DAHKS(-59)	y_{10}-H_2O^{+2}(-56)	y_{10}^{+2}(-47)	y_5(-56)	y_{11}^{+2}(-42)	DAHKSE(-43)	y_6-H_2O(-62)	y_6(-52)	DAHKSEV(-35)	y_7(-55)

[–] Main Sequence Ions

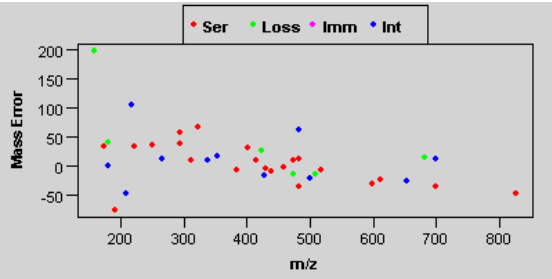
b	b^{+2}			y	y^{+2}
---	---	1	S 12	---	---
251.1026	---	2	Y 11	1312.6393	656.8233
366.1296	---	3	D 10	1149.5759	575.2916
437.1667	---	4	A 9	1034.5490	517.7781
574.2256	287.6164	5	H 8	963.5119	482.2596
702.3206	351.6639	6	K 7	826.4530	413.7301
789.3526	395.1799	7	S 6	698.3580	349.6826
918.3952	459.7012	8	E 5	611.3260	306.1666
1017.4636	509.2354	9	V 4	482.2834	241.6453
1088.5007	544.7540	10	A 3	383.2150	192.1111
1225.5596	613.2835	11	H 2	312.1779	156.5926
---	---	12	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAHKSEVAHR^{+3}



Max Intensity: **12.7**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **95.6%** Matched Series Intensity: **95.0%**



Sequence: SYAHKSEVAHR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H86 N19 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1285.4134	1284.6444	643.2104	642.8258	429.1427	428.8863

[–] **Peak Matches**

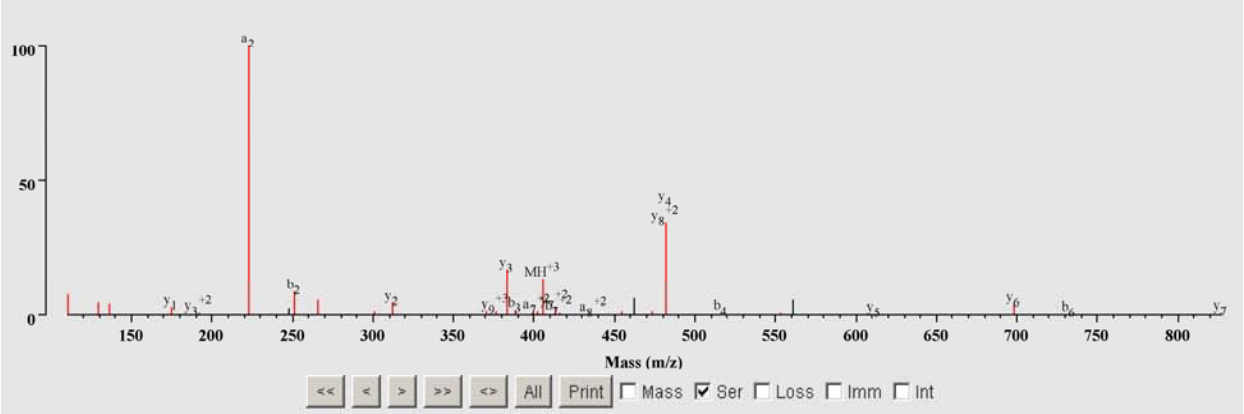
158.1239	175.1247	178.0901	181.1084	192.0965	209.0933	217.1049	223.1152	226.1162	248.1513
y_1-NH_3(199)	y_1(33)		a_5-H_2O^{+3}(41) AH-28(0.069)	y_3^{+2}(-76)	AH(-48)	SE(106)	a_2(34)		
251.1117	**266.1647**	**294.1620**	**302.1638**	**312.1812**	**322.1614**	**337.2020**	**341.0254**	**346.1914**	**353.1991**
b_2(36)	HK(13)	a_3(58) b_5^{+2}(39)		y_2(11)	b_3(67)	AHK(11)			HKS(17)
383.2128	**400.2106**	**402.2008**	**413.7340**	**422.8945**	**427.2121**	**428.8841**	**437.7208**	**459.1983**	**473.2477**
y_3(-5.7)		b_7^{+2}(32)	y_7^{+2}(9.4)	MH-H_2O^{+3}(28)	KSEV-NH_3(-16)	MH^{+3}(-5.1)	a_8^{+2}(-8.5)	b_4(-0.78)	a_9^{+2}(9.8) y_8-H_2O^{+2}(-14)
482.2660	**500.2510**	**508.7660**	**517.7747**	**599.2912**	**611.3117**	**652.3242**	**681.3415**	**698.3345**	**826.4140**
HKSE(63) y_8^{+2}(13) y_4(-36)	YAHK(-21)	y_9-H_2O^{+2}(-13)	y_9^{+2}(-6.6)	y_{10}^{+2}(-31)	y_5(-23)	HKSEVA(-26) AHKSEV(-26) KSEVAH(-26)	y_6-NH_3(15)	YAHKSE-H_2O(13) y_6(-34)	y_7(-47)

[–] **Main Sequence Ions**

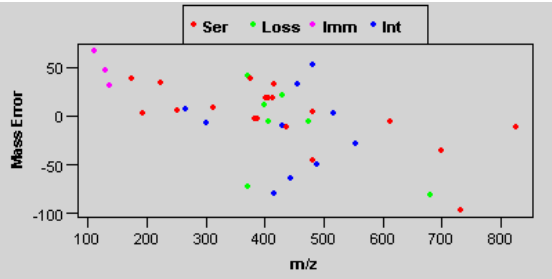
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1197.6123	599.3098
322.1397	---	3	A 9	1034.5490	517.7781
459.1987	230.1030	4	H 8	963.5119	482.2596
587.2936	294.1504	5	K 7	826.4530	413.7301
674.3257	337.6665	6	S 6	698.3580	349.6826
803.3682	402.1878	7	E 5	611.3260	306.1666
902.4367	451.7220	8	V 4	482.2834	241.6453
973.4738	487.2405	9	A 3	383.2150	192.1111
1110.5327	555.7700	10	H 2	312.1779	156.5926
---	---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHKSEVAHR^{+3}



Max Intensity: **56.7**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **93.8%** Matched Series Intensity: **92.9%**



Sequence SYHKSEVAHR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C52 H81 N18 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1214.3341	1213.6072	607.6708	607.3073	405.4496	405.2073

[–] Peak Matches

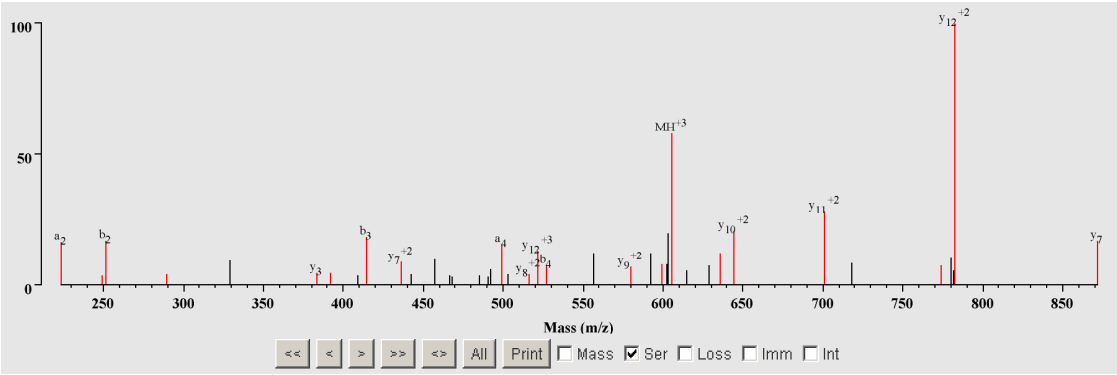
110.0787	129.1083	136.0799	175.1258	192.1116	223.1152	248.1530	251.1040	266.1630	301.1272
H(67)	K(47)	Y(31)	y_1(39)	y_3^{+2}(2.5)	a_2(34)		b_2(5.4)	HK(6.9)	YH(-7.7)
312.1805	**370.1660**	**376.2110**	**383.2140**	**388.1604**	**399.2085**	**402.2135**	**405.2146**	**413.7376**	**416.2172**
y_2(8.4)	b_3-H_2O(41) y_9-H_2O^{+3}(-73)	y_9^{+3}(38)	y_3(-2.6)	b_3(-3.0)	MH-H_2O^{+3}(12)	a_7^{+2}(19)	MH^{+3}(18) y_7-NH_3^{+2}(-5.6)	y_7^{+2}(18)	b_7^{+2}(33) KSEV-28(-80)
429.2203	**437.7195**	**444.2169**	**453.2374**	**454.2556**	**462.2223**	**473.2516**	**482.2614**	**487.2629**	**492.2503**
a_8-NH_3^{+2}(21) YHK(-9.7)	a_8^{+2}(-11)	KSEV(-64)		HKSE-28(32)		y_8-H_2O^{+2}(-5.7)	HKSE(53) y_8^{+2}(3.8) y_4(-46)	KSEVA-28(-50)	
506.7404	**516.2577**	**544.2428**	**553.2937**	**561.2907**	**611.3221**	**680.2925**	**698.3336**	**732.2602**	**826.4440**
	b_4(2.3) YHKS(2.3)		HKSEV-28(-28)		y_5(-6.4)	y_6-H_2O(-81)	y_6(-35)	b_6(-97)	y_7(-11)

[–] Main Sequence Ions

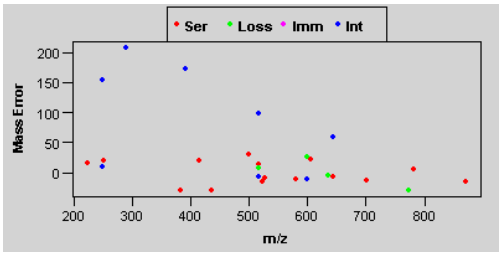
b	b^{+2}			y	y^{+2}
---	---	1	S 10	---	---
251.1026	---	2	Y 9	1126.5752	563.7912
388.1615	194.5844	3	H 8	963.5119	482.2596
516.2565	258.6319	4	K 7	826.4530	413.7301
603.2885	302.1479	5	S 6	698.3580	349.6826
732.3311	366.6692	6	E 5	611.3260	306.1666
831.3995	416.2034	7	V 4	482.2834	241.6453
902.4367	451.7220	8	A 3	383.2150	192.1111
1039.4956	520.2514	9	H 2	312.1779	156.5926
---	---	10	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYLQQC(Carbamidomethyl)PFEDHVK^{+3}



Max Intensity: **5.29**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **72.9%** Matched Series Intensity: **68.9%**



Sequence SYYLQQC(Carbamidomethyl)PFEDHVK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C82 H117 N20 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1814.8613	1813.8214	907.9344	907.4143	605.6254	605.2786

[–] Peak Matches

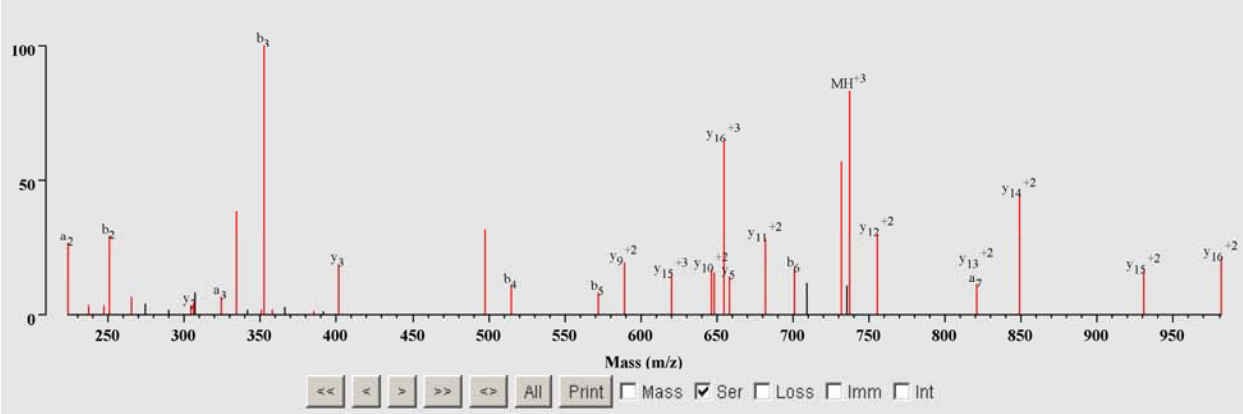
223.1113	249.1619	251.1077	289.1565	329.1976	383.2291	392.2127	409.2412	414.1743	436.2062
a_2(16)	FE-28(155) YL-28(8.6)	b_2(20)	QC(Carbamidomethyl)(208)		y_3(-29)	FED(172)		b_3(20)	y_7^{+2}(-29)
442.7373	**457.2454**	**466.2112**	**468.1995**	**485.2689**	**490.7652**	**492.2549**	**499.2702**	**503.2848**	**516.2417**
							a_4(30)		QC(Carbamidomethyl)PF-NH_3(98) C(Carbamidomethyl)PFE-H_2O(98) y_8^{+2}(14) y_{12}-NH_3^{+3}(7.1) YLQQ-NH_3(-6.9)
521.9058	**527.2445**	**556.3211**	**580.2565**	**592.5837**	**599.2904**	**602.3315**	**603.4205**	**605.2919**	**614.8264**
y_{12}^{+3}(-15)	b_4(-10)		y_9^{+2}(-12)		MH-H_2O^{+3}(25) LQQC(Carbamidomethyl)P-28(-11)			MH^{+3}(22)	
628.8348	**635.7764**	**644.2878**	**700.8249**	**718.3681**	**773.8303**	**780.3438**	**781.9732**	**782.3703**	**871.4169**
	y_{10}-NH_3^{+2}(-5.2)	QQC(Carbamidomethyl)PF-NH_3(59) QC(Carbamidomethyl)PFE-H_2O(59) y_{10}^{+2}(-8.0)	y_{11}^{+2}(-14)		y_{12}-NH_3^{+2}(-30)			y_{12}^{+2}(4.7)	y_7(-16)

[–] Main Sequence Ions

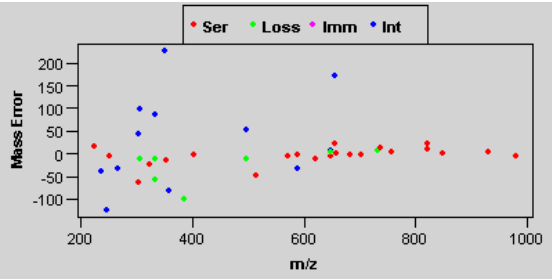
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1726.7894	863.8983
414.1660	---	3	Y	12	1563.7260	782.3667
527.2500	---	4	L	11	1400.6627	700.8350
655.3086	---	5	Q	10	1287.5786	644.2930
783.3672	---	6	Q	9	1159.5201	580.2637
943.3978	---	7	C(Carbamidomethyl)	8	1031.4615	516.2344
1040.4506	---	8	P	7	871.4308	436.2191
1187.5190	---	9	F	6	774.3781	387.6927
1316.5616	---	10	E	5	627.3097	314.1585
1431.5885	---	11	D	4	498.2671	249.6372
1568.6475	784.8274	12	H	3	383.2401	192.1237
1667.7159	834.3616	13	V	2	246.1812	123.5942
---	---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTYGEM(Oxidation)ADC(Carbamidomethyl)C(Carbamidomethyl)AKQEPER^{+3}



Max Intensity: **4.50**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **94.7%** Matched Series Intensity: **93.6%**



Sequence: SYTYGEM(Oxidation)ADC(Carbamidomethyl)C(Carbamidomethyl)AKQEPER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C89 H136 N25 O35 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2211.9197	2210.8787	1106.4636	1105.9430	737.9782	737.6311

[–] Peak Matches

223.1110	237.1144	247.0768	251.1012	265.1096	274.0969	290.0961	304.1425	306.1415	307.1343
a_2(15)	TY-28(-38) YT-28(-38)	TY-H_2O(-125) YT-H_2O(-125)	b_2(-5.7)	TY(-33) YT(-33)			TYG-H_2O(44) y_2(-63)	GEM(Oxidation)-28(97) M(Oxidation)AD-28(97) a_3-H_2O(-11)	
324.1473	**334.1359**	**341.1886**	**350.2141**	**352.1446**	**358.1790**	**366.1442**	**385.1573**	**391.1545**	**401.2129**
a_3(-25)	GEM(Oxidation)(87) M(Oxidation)AD(87) b_3-H_2O(-12) y_8-NH_3^{+3}(-58)		YGE(227)	b_3(-16)	KQE-28(-82)		y_6-NH_3^{+2}(-99)		y_3(-3.5)
497.1971	**515.1889**	**572.2322**	**589.2573**	**620.5751**	**646.7685**	**648.2643**	**654.2805**	**658.3162**	**682.2890**
YGEM(Oxidation)(54) b_4-H_2O(-12)	b_4(-48)	b_5(-5.1)	y_9^{+2}(-1.3) C(Carbamidomethyl)AKQE-28(-32)	y_{15}^{+3}(-13)	y_{10}^{+2}(-4.7)	C(Carbamidomethyl)C(Carbamidomethyl)AKQ(7.8) y_{16}-H_2O^{+3}(2.8)	M(Oxidation)ADC(Carbamidomethyl)C(Carbamidomethyl)(172) y_{16}^{+3}(22)	y_5(1.1)	y_{11}^{+2}(-1.6)
701.2760	**708.9821**	**731.6333**	**735.7187**	**737.6416**	**755.8113**	**820.3367**	**848.8392**	**930.3745**	**980.8904**
b_6(-2.4)		MH-H_2O^{+3}(7.8)		MH^{+3}(14)	y_{12}^{+2}(4.6)	a_7(23) y_{13}^{+2}(9.3)	y_{14}^{+2}(-0.73)	y_{15}^{+2}(3.2)	y_{16}^{+2}(-5.0)

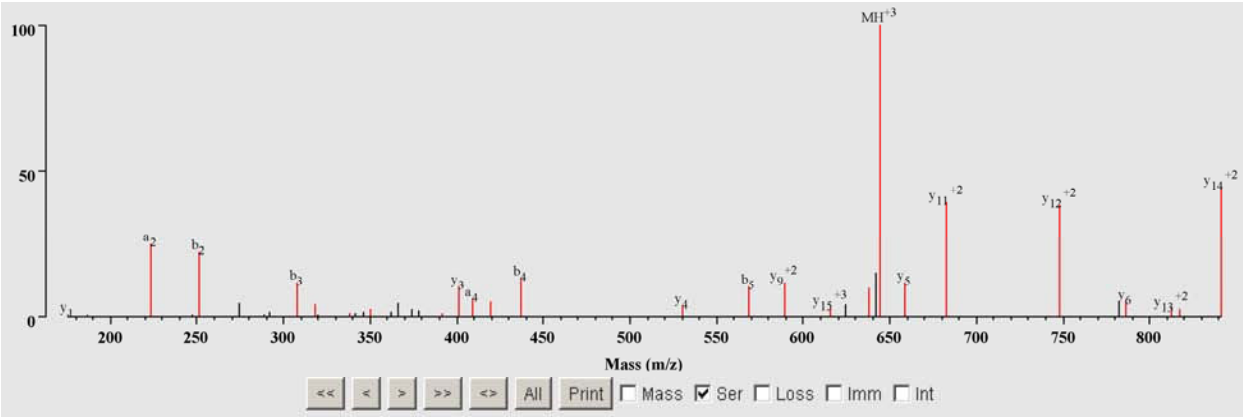
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	18	---	---
251.1026	---	2	**Y**	17	2123.8467	1062.4270
352.1503	---	3	**T**	16	1960.7834	980.8953
515.2136	---	4	**Y**	15	1859.7357	930.3715
572.2351	---	5	**G**	14	1696.6724	848.8398
701.2777	---	6	**E**	13	1639.6509	820.3291
848.3131	---	7	**M(Oxidation)**	12	1510.6083	755.8078
919.3502	---	8	**A**	11	1363.5729	682.2901
1034.3772	---	9	**D**	10	1292.5358	646.7715
1194.4078	---	10	**C(Carbamidomethyl)**	9	1177.5089	589.2581
1354.4384	---	11	**C(Carbamidomethyl)**	8	1017.4782	509.2427
1425.4756	---	12	**A**	7	857.4476	429.2274

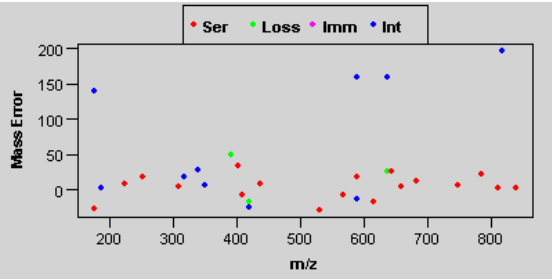
1553.5705	777.2889	13	**K**	6	786.4104	393.7089
1681.6291	841.3182	14	**Q**	5	658.3155	329.6614
1810.6717	905.8395	15	**E**	4	530.2569	265.6321
1907.7245	954.3659	16	**P**	3	401.2143	201.1108
2036.7671	1018.8872	17	**E**	2	304.1615	152.5844
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGEMADC(Carbamidomethyl)C(Carbamidomethyl)AKQEPER^{+3}



Max Intensity: **8.62**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **89.4%** Matched Series Intensity: **85.8%**



Sequence: SYGEMADC(Carbamidomethyl)C(Carbamidomethyl)AKQEPER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C76 H120 N23 O30 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1931.7991	1930.7728	966.4033	965.8900	644.6047	644.2625

[–] Peak Matches

175.1143	187.0718	223.1096	247.0605	251.1072	274.0922	289.0958	292.1115	308.1254	318.1174
MA-28 (139) y_1(-27)	AD(2.5) GE(2.5)	a_2(8.4)		b_2(18)				b_3(4.2)	MAD(18) GEM(18)
320.1245	**338.1445**	**341.0312**	**346.1279**	**350.1368**	**362.1452**	**366.1369**	**374.1145**	**378.1272**	**391.1807**
	EPE-H_2O (29) QEP-NH_3 (29)			YGE(6.1)					a_4-H_2O(50)
401.2280	**409.1692**	**419.1489**	**437.1703**	**530.2414**	**568.2027**	**589.2688**	**615.2412**	**624.2305**	**638.2753**
y_3(34)	a_4(-6.3)	b_4-H_2O(-17) EMAD-28(-25)	b_4(8.3)	y_4(-29)	b_5(-7.9)	EMADC(Carbamidomethyl)-H_2O (160) y_9^{+2}(18) C(Carbamidomethyl)AKQE-28(-13)	y_{15}^{+3}(-17)		MADC(Carbamidomethyl)C(Carbamidomethyl) (160) y_{10}-NH_3^{+2}(27) MH-H_2O^{+3}(26)
642.2702	**644.2796**	**658.3186**	**682.2989**	**747.8153**	**781.9114**	**786.4279**	**812.3345**	**817.4574**	**840.8443**
	MH^{+3}(27)	y_5(4.7)	y_{11}^{+2} (13)	y_{12}^{+2} (6.6)		y_6(22)	y_{13}^{+2}(3.5)	ADC(Carbamidomethyl)C(Carbamidomethyl)AKQ-NH_3(197)	y_{14}^{+2}(2.3)

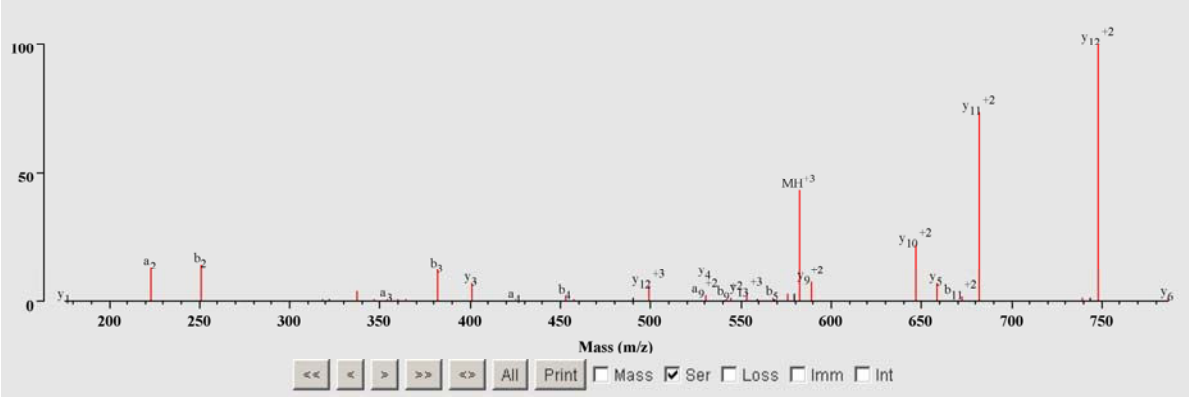
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1843.7408	922.3740
308.1241	---	3	G	14	1680.6775	840.8424
437.1667	---	4	E	13	1623.6560	812.3316
568.2072	---	5	M	12	1494.6134	747.8103
639.2443	---	6	A	11	1363.5729	682.2901
754.2712	---	7	D	10	1292.5358	646.7715
914.3019	---	8	C(Carbamidomethyl)	9	1177.5089	589.2581
1074.3325	---	9	C(Carbamidomethyl)	8	1017.4782	509.2427
1145.3696	---	10	A	7	857.4476	429.2274
1273.4646	637.2359	11	K	6	786.4104	393.7089
1401.5232	701.2652	12	Q	5	658.3155	329.6614
1530.5658	765.7865	13	E	4	530.2569	265.6321
1627.6185	814.3129	14	P	3	401.2143	201.1108

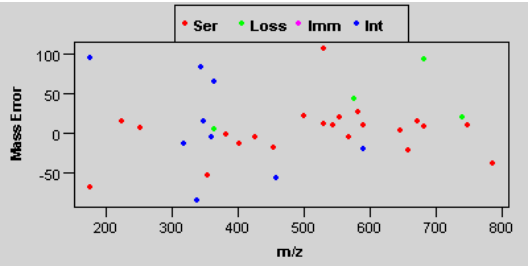
1756.6611	878.8342	15	**E**	2	304.1615	152.5844
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYMADC(Carbamidomethyl)C(Carbamidomethyl)AKQEPER^{+3}



Max Intensity: **52.9**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **96.9%** Matched Series Intensity: **96.5%**



Sequence: SYMADC(Carbamidomethyl)C(Carbamidomethyl)AKQEPER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H110 N21 O26 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1745.6307	1744.7088	873.3191	872.8580	582.5485	582.2411

[–] Peak Matches

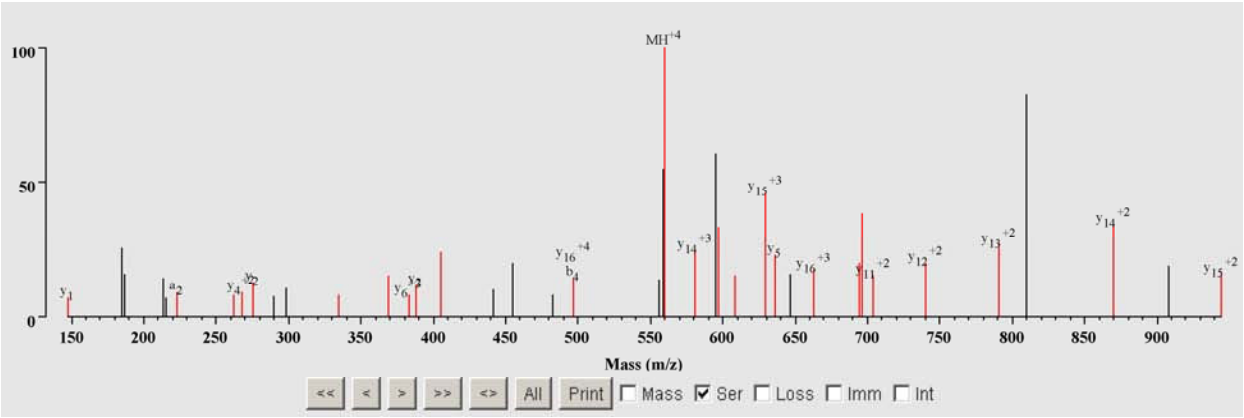
175.1068	223.1110	251.1042	318.1073	322.1310	337.1219	343.1723	347.1077	354.1296	360.1684
MA-28(96) y_1(-69)	a_2(15)	b_2(6.2)	MAD(-14)		QEP-H_2O(-85)	C(Carbamidomethyl)AK-NH_3(84)	ADC(Carbamidomethyl)(16)	a_3(-53)	C(Carbamidomethyl)AK(-4.4)
364.1347	**380.1213**	**382.1428**	**401.2091**	**416.0773**	**425.1835**	**451.5617**	**453.1722**	**457.2150**	**469.0290**
C(Carbamidomethyl)C(Carbamidomethyl)A-28(66) b_3-H_2O(5.9)		b_3(-0.83)	y_3(-13)		a_4(-4.3)		YMAD-28(-18) b_4(-18)	AKQE(-56)	
490.0451	**498.8869**	**530.2632**	**544.2093**	**553.2422**	**558.8354**	**568.2048**	**576.2631**	**579.2936**	**579.8610**
	y_{12}^{+3}(22)	a_9^{+2}(107) y_4(12)	b_9^{+2}(9.9)	y_{13}^{+3}(21)		b_5(-4.2)	MH-H_2O^{+3}(44)		
582.2566	**589.2642**	**646.7734**	**658.3016**	**672.7643**	**682.2958**	**739.3116**	**743.9042**	**747.8179**	**786.3801**
MH^{+3}(27)	y_9^{+2}(10) C(Carbamidomethyl)AKQE-28(-20)	y_{10}^{+2}(2.9)	y_5(-21)	b_{11}^{+2}(15)	a_6-H_2O(93) y_{11}^{+2}(8.4)	y_{12}-NH_3^{+2}(20)		y_{12}^{+2}(10)	y_6(-39)

[–] Main Sequence Ions

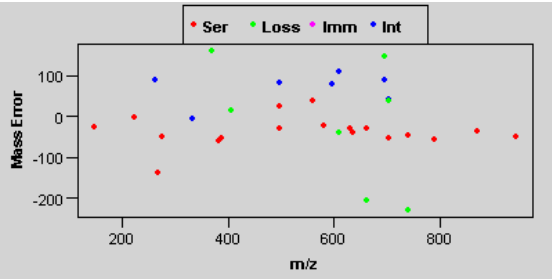
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1657.6767	829.3420
382.1431	---	3	**M**	12	1494.6134	747.8103
453.1802	---	4	**A**	11	1363.5729	682.2901
568.2072	---	5	**D**	10	1292.5358	646.7715
728.2378	---	6	**C(Carbamidomethyl)**	9	1177.5089	589.2581
888.2685	---	7	**C(Carbamidomethyl)**	8	1017.4782	509.2427
959.3056	---	8	**A**	7	857.4476	429.2274
1087.4005	544.2039	9	**K**	6	786.4104	393.7089
1215.4591	608.2332	10	**Q**	5	658.3155	329.6614
1344.5017	672.7545	11	**E**	4	530.2569	265.6321
1441.5545	721.2809	12	**P**	3	401.2143	201.1108
1570.5971	785.8022	13	**E**	2	304.1615	152.5844
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVM(Oxidation)C(Carbamidomethyl)TAFHDNEETFLKK^{+4}



Max Intensity: **16.2**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **60.4%** Matched Series Intensity: **54.0%**



Sequence: SYVM(Oxidation)C(Carbamidomethyl)TAFHDNEETFLKK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C98 H147 N24 O32 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2237.2034	2236.0049	1119.1054	1118.5061	746.4061	746.0065	560.0564	559.7567

[–] Peak Matches

147.1089	185.1608	187.1053	213.1544	215.0945	223.1070	262.1090	268.1464	275.1938	290.2084
y_1(-27)					a_2(-3.2)	C(Carbamidomethyl)T(89)	y_4^{+2}(-139)	y_2(-51)	
298.1673	**334.2107**	**369.2486**	**383.2064**	**388.2714**	**405.2189**	**441.1934**	**454.7456**	**482.2490**	**497.2189**
	TFL-28(-5.4)	y_9-H_2O^{+3}(161)	y_6^{+2}(-59)	y_3(-53)	a_4-$SOCH_4$(14)				FHDN-NH_3(82) b_4(25) y_{16}^{+4}(-28)
556.1684	**559.2994**	**559.7783**	**580.5928**	**595.3273**	**597.2732**	**608.2609**	**629.6008**	**636.3820**	**646.6797**
		MH^{+4}(39)	y_{14}^{+3}(-24)		HDNEE-28(78)	HDNEE-NH_3(109) y_{15}-$SOCH_4^{+3}$(-41)	y_{15}^{+3}(-28)	y_5(-41)	
662.6220	**694.3883**	**696.3373**	**704.3115**	**739.8330**	**790.3455**	**809.4229**	**870.3762**	**908.4796**	**943.8779**
y_{16}^{+3}(-29) b_{11}-H_2O^{+2}(-205)	b_6-$SOCH_4$(147)	AFHDNE-H_2O(91)	C(Carbamidomethyl)TAFHD-28(42) b_{12}-$SOCH_4^{+2}$(37) y_{11}^{+2}(-53)	y_{12}^{+2}(-46) MH-H_2O^{+3}(-230)	y_{13}^{+2}(-58)		y_{14}^{+2}(-35)		y_{15}^{+2}(-49)

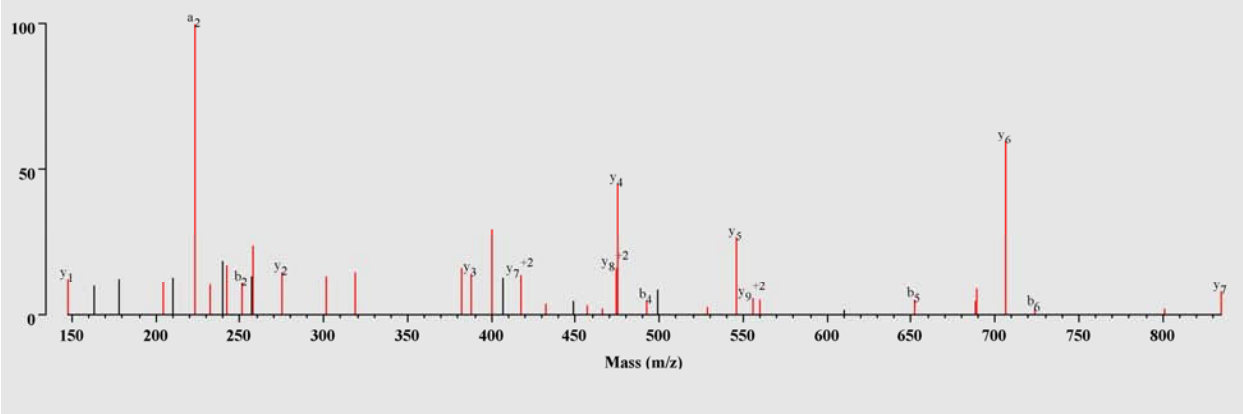
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	18	---	---
251.1026	---	2	**Y**	17	2148.9729	1074.9901
350.1710	---	3	**V**	16	1985.9096	993.4584
497.2064	---	4	**M(Oxidation)**	15	1886.8411	943.9242
657.2371	---	5	**C(Carbamidomethyl)**	14	1739.8057	870.4065
758.2848	---	6	**T**	13	1579.7751	790.3912
829.3219	---	7	**A**	12	1478.7274	739.8673
976.3903	---	8	**F**	11	1407.6903	704.3488
1113.4492	557.2282	9	**H**	10	1260.6219	630.8146
1228.4762	614.7417	10	**D**	9	1123.5630	562.2851
1342.5191	671.7632	11	**N**	8	1008.5360	504.7717
1471.5617	736.2845	12	**E**	7	894.4931	447.7502
1600.6043	800.8058	13	**E**	6	765.4505	383.2289
1701.6519	851.3296	14	**T**	5	636.4079	318.7076
1848.7204	924.8638	15	**F**	4	535.3602	268.1838
1961.8044	981.4059	16	**L**	3	388.2918	194.6496

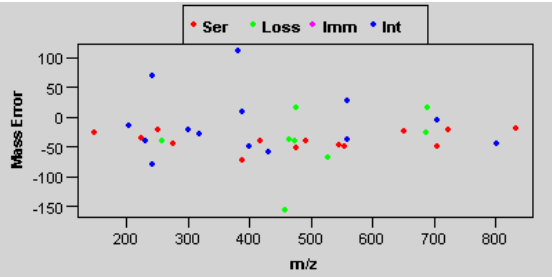
2089.8994	1045.4533	17	**K**	2	275.2078	138.1075
---	---	18	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLKC(Carbamidomethyl)ASLQK^{+3}



Max Intensity: **19.9**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **84.3%** Matched Series Intensity: **85.5%**



Sequence: SYLKC(Carbamidomethyl)ASLQK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C52 H89 N14 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1198.2701	1197.6296	599.6388	599.3184	400.0950	399.8814

[–] Peak Matches

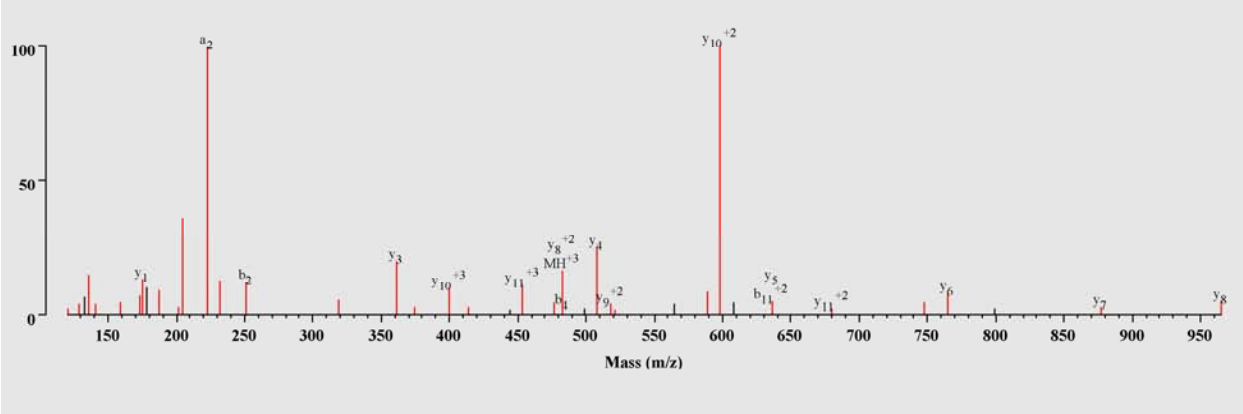
147.1089	163.0710	178.0826	204.0772	210.1021	223.1000	232.0655	240.1182	242.1669	251.0974
y_1(-27)			C(Carbamidomethyl)A-28 (-14)		a_2(-35)	C(Carbamidomethyl)A(-41)		LQ(70) LK(-80)	b_2(-21)
257.1500	**258.1344**	**275.1592**	**301.0898**	**319.0981**	**382.2510**	**388.2266**	**400.1994**	**407.1740**	**417.7120**
	y_2-NH_3(-40)	y_2(-44)	C(Carbamidomethyl)AS-H_2O(-22)	C(Carbamidomethyl)AS(-28)	ASLQ-H_2O (111)	YLK-NH_3(9.1) y_3(-74)	ASLQ(-49)		y_7^{+2}(-40)
432.1655	**449.1906**	**457.2050**	**465.7395**	**474.2519**	**475.2624**	**492.2616**	**499.2468**	**528.2779**	**546.2983**
C(Carbamidomethyl) ASL(-59)		y_4-H_2O(-157)	y_8-NH_3^{+2}(-39)	y_8^{+2}(-40) b_4-H_2O(-40)	b_4-NH_3(15) y_4(-53)	b_4(-41)		y_5-H_2O(-68)	y_5(-48)
555.7754	**560.2647**	**610.2418**	**652.2968**	**688.3266**	**689.3398**	**706.3197**	**723.3330**	**801.3933**	**834.4340**
y_9^{+2}(-49)	C(Carbamidomethyl) ASLQ(27) LKC(Carbamidomethyl) AS(-38) KC(Carbamidomethyl) ASL(-38)		b_5(-24)	KC(Carbamidomethyl) ASLQ(-26) y_6-H_2O(-26)	y_6-NH_3(16)	b_6-NH_3(-4.5) YLKC(Carbamidomethyl) AS-NH_3(-4.5) y_6(-50)	YLKC(Carbamidomethyl) AS(-23) b_6(-23)	LKC(Carbamidomethyl) ASLQ(-44)	y_7(-19)

[–] Main Sequence Ions

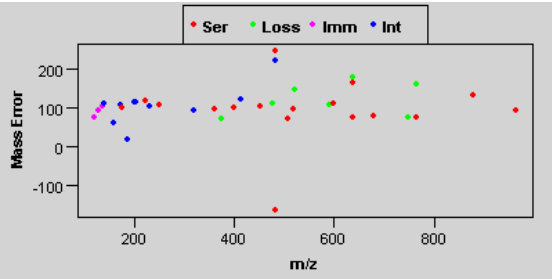
b	b^{+2}				y	y^{+2}
---	---	1	**S**	10	---	---
251.1026	---	2	**Y**	9	1110.5976	555.8024
364.1867	---	3	**L**	8	947.5343	474.2708
492.2817	246.6445	4	**K**	7	834.4502	417.7287
652.3123	326.6598	5	**C(Carbamidomethyl)**	6	706.3552	353.6813
723.3494	362.1783	6	**A**	5	546.3246	273.6659
810.3815	405.6944	7	**S**	4	475.2875	238.1474
923.4655	462.2364	8	**L**	3	388.2554	194.6314
1051.5241	526.2657	9	**Q**	2	275.1714	138.0893
---	---	10	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)ASLQKFGER^{+3}



Max Intensity: **5.85**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **93.8%** Matched Series Intensity: **94.4%**



Sequence: SYC(Carbamidomethyl)ASLQKFGER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C62 H97 N18 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1446.4694	1445.6842	723.7384	723.3457	482.8281	482.5662

[–] Peak Matches

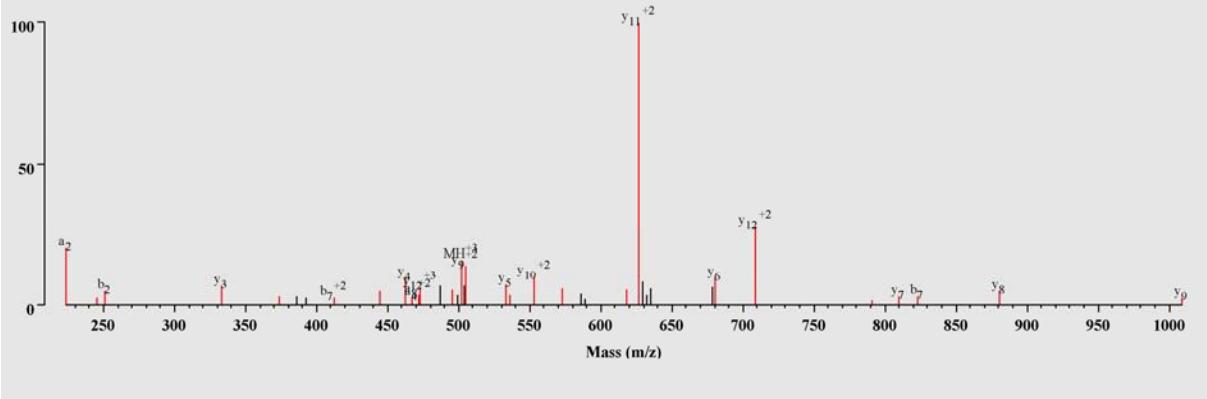
120.0901	129.1143	133.0575	136.0901	141.0815	159.0864	173.1472	175.1368	178.1053	187.0751
F(78)	K(93)		Y(106)	AS-H_2O(111)	GE-28(63) AS(63)	SL-28(108)	y_1(102)		GE(20)
201.1468	**204.1041**	**223.1341**	**232.0997**	**251.1303**	**319.1369**	**361.2187**	**374.2205**	**399.2422**	**414.2315**
SL(117)	C(Carbamidomethyl)A-28(117)	a_2(118)	C(Carbamidomethyl)A(106)	b_2(110)	C(Carbamidomethyl)AS(93)	y_3(99)	y_6-NH_3^{+2}(74)	y_{10}^{+3}(103)	C(Carbamidomethyl)ASL-H_2O(123)
443.7539	**453.6034**	**476.6162**	**482.2780**	**482.6857**	**499.2886**	**508.2891**	**518.3336**	**520.8232**	**564.3567**
	y_{11}^{+3}(105)	MH-H_2O^{+3}(112)	b_4(223) YC(Carbamidomethyl)AS(223)	MH^{+3}(248) y_8^{+2}(-163)		y_4(74)	y_9^{+2}(98)	a_9-NH_3^{+2}(146)	
589.3562	**598.3652**	**607.8696**	**636.3949**	**679.8836**	**747.4348**	**764.4639**	**799.4426**	**877.6061**	**964.6106**
y_{10}-H_2O^{+2}(108)	y_{10}^{+2}(112)		a_6-H_2O(179) b_{11}^{+2}(165) y_5(76)	y_{11}^{+2}(79)	y_6-NH_3(75)	a_7-H_2O(163) y_6(77)		y_7(133)	y_8(93)

[–] Main Sequence Ions

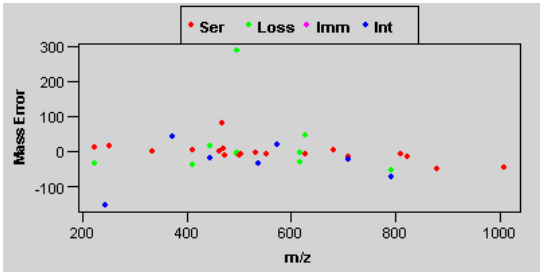
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1358.6521	679.8297
411.1333	---	3	**C(Carbamidomethyl)**	10	1195.5888	598.2980
482.1704	---	4	**A**	9	1035.5582	518.2827
569.2024	---	5	**S**	8	964.5211	482.7642
682.2865	---	6	**L**	7	877.4890	439.2482
810.3451	---	7	**Q**	6	764.4050	382.7061
938.4400	469.7237	8	**K**	5	636.3464	318.6768
1085.5084	543.2579	9	**F**	4	508.2514	254.6293
1142.5299	571.7686	10	**G**	3	361.1830	181.0951
1271.5725	636.2899	11	**E**	2	304.1615	152.5844
---	---	12	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFPKAEFAEVSK^{+3}



Max Intensity: **12.1**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **84.6%** Matched Series Intensity: **83.5%**



Sequence SYFPKAEFAEVSK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C71 H104 N15 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1503.7052	1502.7526	752.3563	751.8799	501.9067	501.5890

[–] **Peak Matches**

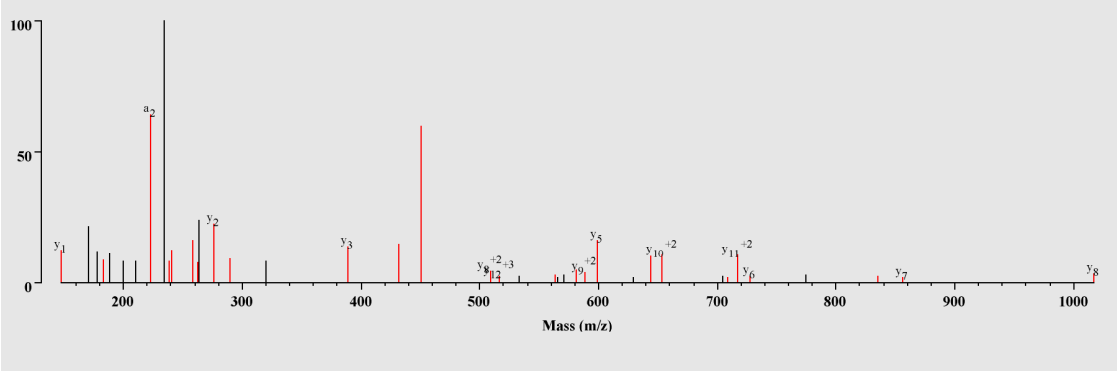
223.1106	245.0908	251.1069	333.2129	373.2395	386.3113	392.2096	412.2051	444.2526	462.2560
a_2(13) y_4-NH_3^{+2}(-34)	FP(-154)	b_2(17)	y_3(-1.0)	FPK(43)			b_7^{+2}(5.4) y_{11}-H_2O^{+3}(-37)	y_4-H_2O(16) FPKA(-18)	y_4(0.35)
467.2668	**471.7433**	**472.5720**	**487.2583**	**495.5828**	**495.9094**	**499.2490**	**501.5841**	**504.2561**	**504.7684**
a_4(81)	a_8^{+2}(7.8)	y_{12}^{+3}(-13)		MH-H_2O^{+3}(-5.5)	y_9-H_2O^{+2}(288) MH-NH_3^{+3}(-8.3)		MH^{+3}(-9.9)		y_9^{+2}(-6.5)
533.2903	**536.2689**	**553.2945**	**573.3134**	**586.2863**	**589.2438**	**617.8083**	**618.3165**	**626.8267**	**629.8109**
y_5(-5.0)	YFPK(-33)	y_{10}^{+2}(-6.4)	FPKAE(18) PKAEF(18)			y_{11}-H_2O^{+2}(-30)	y_{11}-NH_3^{+2}(-4.0)	b_{11}-NH_3^{+2}(46) y_{11}^{+2}(-8.8)	
632.3405	**634.8227**	**678.3328**	**680.3628**	**708.3539**	**791.3512**	**809.3964**	**823.3870**	**880.3963**	**1008.4890**
			y_6(2.1)	y_{12}^{+2}(-14) YFPKAE-28(-25)	y_7-H_2O(-53) FPKAEFA(-73)	y_7(-9.3)	b_7(-14)	y_8(-51)	y_9(-47)

[–] **Main Sequence Ions**

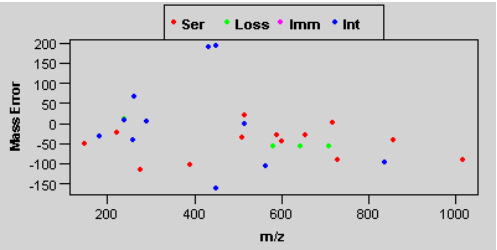
b	b^{+2}			y	y^{+2}
---	---	1	**S** 13	---	---
251.1026	---	2	**Y** 12	1415.7205	708.3639
398.1710	---	3	**F** 11	1252.6572	626.8322
495.2238	---	4	**P** 10	1105.5888	553.2980
623.3188	312.1630	5	**K** 9	1008.5360	504.7717
694.3559	347.6816	6	**A** 8	880.4411	440.7242
823.3985	412.2029	7	**E** 7	809.4040	405.2056
970.4669	485.7371	8	**F** 6	680.3614	340.6843
1041.5040	521.2556	9	**A** 5	533.2930	267.1501
1170.5466	585.7769	10	**E** 4	462.2558	231.6316
1269.6150	635.3111	11	**V** 3	333.2132	167.1103
1356.6470	678.8272	12	**S** 2	234.1448	117.5761
---	---	13	**K** 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLKEC(Carbamidomethyl)C(Carbamidomethyl)EKPLLLEK^{+4}



Max Intensity: **8.67**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **61.3%** Matched Series Intensity: **60.4%**



Sequence: SYLKEC(Carbamidomethyl)C(Carbamidomethyl)EKPLLLEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H130 N19 O25 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1797.8130	1796.8921	899.4102	898.9497	599.9426	599.6356	450.2088	449.9785

[–] Peak Matches

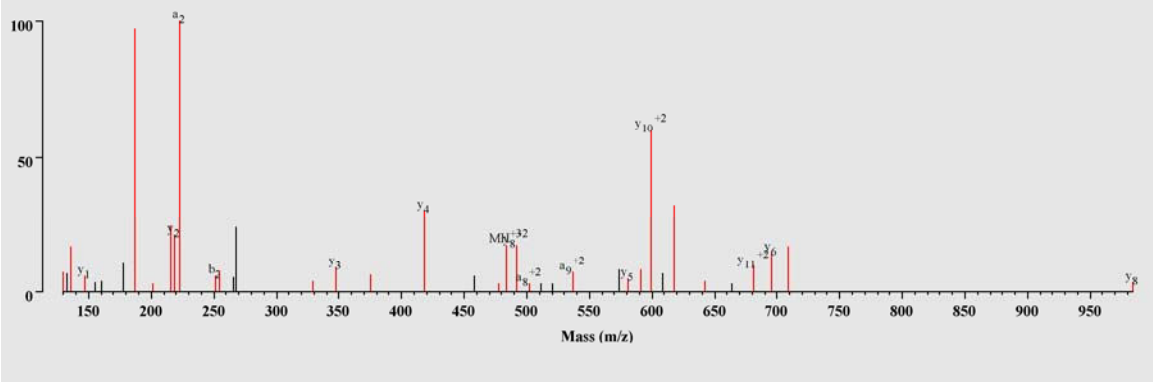
147.1055	170.1138	178.0826	183.1433	188.1242	200.1245	210.1090	223.1028	234.1033	238.1338
y_1(-50)			PL-28(-32)				a_2(-22)		b_4-NH_3^{+2}(11)
240.1358	**258.1344**	**262.1028**	**263.1133**	**276.1239**	**290.0815**	**320.1573**	**389.1988**	**432.1832**	**450.1981**
EK-H_2O(6.4) KE-H_2O(6.4)	KE(-40) y_2-H_2O(-40) EK(-40)	C(Carbamidomethyl)E-28 (66) EC(Carbamidomethyl)-28 (66)		y_2(-114)	C(Carbamidomethyl)E (3.4) EC(Carbamidomethyl) (3.4)		y_3(-104)	C(Carbamidomethyl)C(Carbamidomethyl) E-H_2O(191) EC(Carbamidomethyl)C (Carbamidomethyl)-H_2O(191)	C(Carbamidomethyl)C (Carbamidomethyl)E(193) EC(Carbamidomethyl)C (Carbamidomethyl)(193) EKPL-H_2O(-162)
508.7587	**516.2810**	**533.2446**	**563.2948**	**565.2372**	**570.9395**	**581.3319**	**588.7737**	**599.3497**	**629.2708**
y_8^{+2}(-34)	y_{12}^{+3}(20) YLKE-H_2O(-1.3)		EKPLL-H_2O(-107) KPLLE-H_2O(-107)			EKPLL(-58) KPLLE(-58) y_5-H_2O(-58)	y_9^{+2}(-30)	y_5(-44)	
644.2704	**653.2930**	**704.3216**	**708.8069**	**717.3607**	**727.4061**	**774.3546**	**835.2621**	**856.4776**	**1016.4506**
y_{10}-H_2O^{+2}(-57)	y_{10}^{+2}(-30)		y_{11}-NH_3^{+2}(-56)	y_{11}^{+2} (1.0)	y_6(-90)		KEC(Carbamidomethyl)C (Carbamidomethyl)EK(-98)	y_7(-42)	y_8(-92)

[–] Main Sequence Ions

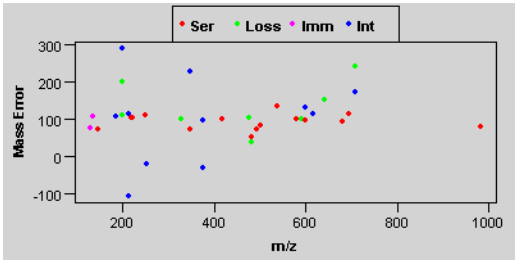
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1709.8601	855.4337
364.1867	---	3	**L**	12	1546.7968	773.9020
492.2817	246.6445	4	**K**	11	1433.7127	717.3600
621.3243	311.1658	5	**E**	10	1305.6177	653.3125
781.3549	391.1811	6	**C(Carbamidomethyl)**	9	1176.5751	588.7912
941.3855	471.1964	7	**C(Carbamidomethyl)**	8	1016.5445	508.7759
1070.4281	535.7177	8	**E**	7	856.5138	428.7606
1198.5231	599.7652	9	**K**	6	727.4713	364.2393
1295.5759	648.2916	10	**P**	5	599.3763	300.1918
1408.6599	704.8336	11	**L**	4	502.3235	251.6654
1521.7440	761.3756	12	**L**	3	389.2395	195.1234
1650.7866	825.8969	13	**E**	2	276.1554	138.5813
---	---	14	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDVC(Carbamidomethyl)KNYAEAK^{+3}



Max Intensity: **3.55**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **86.6%** Matched Series Intensity: **87.5%**



Sequence SYDVC(Carbamidomethyl)KNYAEAK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C62 H95 N16 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1448.4387	1447.6522	724.7231	724.3297	483.4845	483.2223

[–] **Peak Matches**

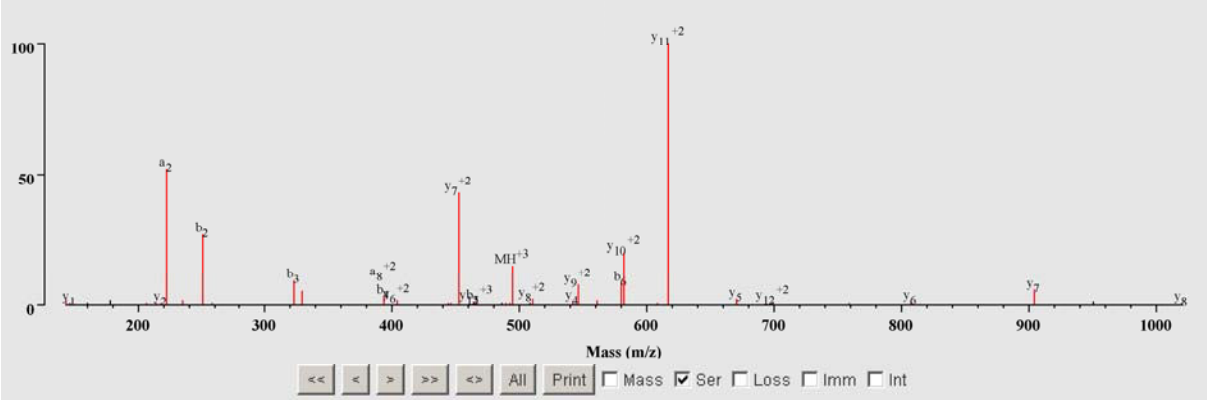
129.1121	133.0575	136.0901	147.1234	155.1230	160.0884	178.0990	187.1282	201.1455	215.1273
K(76)		Y(106)	y_1(72)				DV-28(109)	AE(291) EA(291) y_4-NH_3^{+2}(201) y_2-NH_3(110)	DV(115) KN-28(-107)
218.1726	**223.1312**	**251.1303**	**254.1088**	**266.1091**	**268.1417**	**329.2147**	**347.2181**	**375.1695**	**418.2712**
y_2(104)	a_2(105)	YD-28(110) b_2(110)	AEA-H_2O(-19)			y_3-H_2O(100)	DVC(Carbamidomethyl)-28(230) y_3(74)	DVC(Carbamidomethyl)(97) C(Carbamidomethyl)KN-28(-30)	y_4(99)
458.3529	**477.5961**	**483.2471**	**492.2709**	**501.7639**	**511.2534**	**520.3452**	**537.3115**	**573.8148**	**581.3507**
	MH-NH_3^{+3}(103)	MH^{+3}(51) y_8-H_2O^{+2}(37)	y_8^{+2}(74)	a_8^{+2}(85)			a_9^{+2}(134)		y_5(99)
590.8276	**599.3403**	**608.3224**	**617.3430**	**642.3709**	**663.3518**	**680.8785**	**695.4168**	**708.4728**	**983.5391**
y_{10}-NH_3^{+2}(100)	DVC(Carbamidomethyl)KN-H_2O(133) y_{10}^{+2}(97)		DVC(Carbamidomethyl)KN(116)	b_{11}-H_2O^{+2}(154)		y_{11}^{+2}(95)	y_6(116)	a_6-NH_3(241) VC(Carbamidomethyl)KNYA-28(174)	y_8(79)

[–] **Main Sequence Ions**

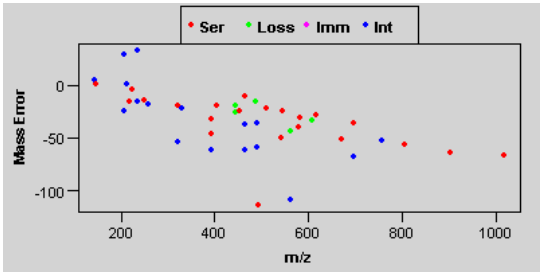
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1360.6202	680.8137
366.1296	---	3	**D**	10	1197.5568	599.2821
465.1980	---	4	**V**	9	1082.5299	541.7686
625.2286	---	5	**C(Carbamidomethyl)**	8	983.4615	492.2344
753.3236	377.1654	6	**K**	7	823.4308	412.2191
867.3665	434.1869	7	**N**	6	695.3359	348.1716
1030.4299	515.7186	8	**Y**	5	581.2930	291.1501
1101.4670	551.2371	9	**A**	4	418.2296	209.6185
1230.5096	615.7584	10	**E**	3	347.1925	174.0999
1301.5467	651.2770	11	**A**	2	218.1499	109.5786
---	---	12	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAADPHEC(Carbamidomethyl)YAK^{+3}



Max Intensity: **2219**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **98.5%** Matched Series Intensity: **98.6%**



Sequence SYAAADPHEC(Carbamidomethyl)YAK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C64 H92 N17 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1483.4437	1482.6318	742.2256	741.8195	495.1529	494.8821

[–] **Peak Matches**

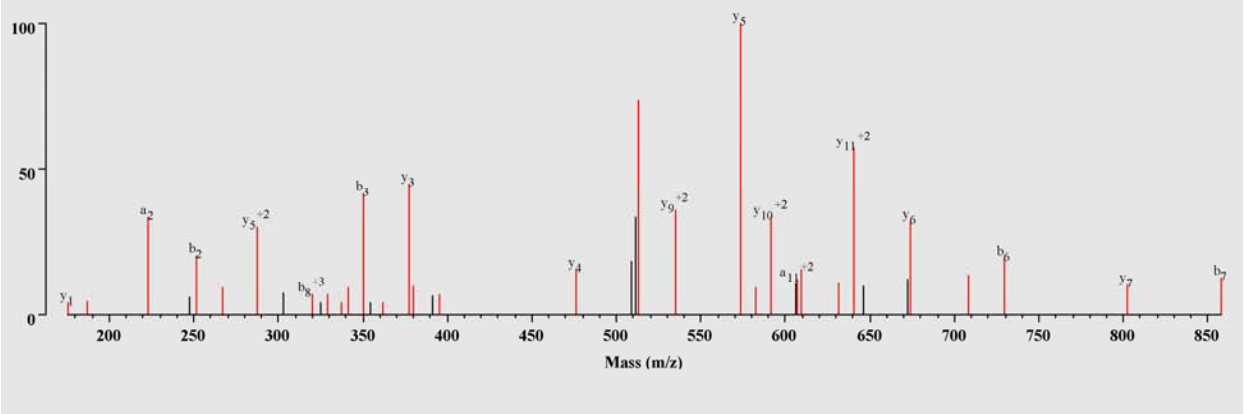
143.0822	147.1129	160.0769	178.0856	207.1188	214.1188	218.1465	223.1069	235.1154	251.0991
AA(4.9)	y_1(0.65)			YA-28(29) PH-28(-25)	AAA(0.85)	y_2(-16)	a_2(-3.7)	YA(33) PH(-15)	b_2(-14)
258.1039	**322.1335**	**329.1384**	**393.1642**	**404.1686**	**443.6885**	**446.1917**	**452.6919**	**464.1967**	**465.8661**
AAD(-18)	b_3(-19) DPH-28(-54)	AAAD(-22)	b_4(-32) a_8^{+2}(-46) ADPH-28(-61)	y_6^{+2}(-19)	y_7-H_2O^{+2}(-20)	b_5-H_2O(-26)	y_7^{+2}(-24)	b_5(-37) YAAAD-28(-37) AADPH-28(-61)	y_{12}^{+3}(-11)
485.7229	**488.8711**	**492.1911**	**494.8256**	**508.1784**	**510.2050**	**541.2169**	**545.7219**	**561.2058**	**579.2180**
	MH-H_2O^{+3}(-15)	YAAAD(-36) AADPH(-59)	MH^{+3}(-114)		y_8^{+2}(-22)	y_4(-50)	y_9^{+2}(-24)	b_6-H_2O(-44) YAAADP-28(-109)	b_6(-40)
581.2354	**607.7457**	**616.7537**	**670.2521**	**698.2781**	**758.2526**	**807.3004**	**904.3406**	**950.4156**	**1019.3572**
y_{10}^{+2}(-31)	y_{11}-H_2O^{+2}(-34)	y_{11}^{+2}(-29)	y_5(-51)	y_{12}^{+2}(-36) YAAADPH-28(-68)	PHEC(Carbamidomethyl)YA(-53)	y_6(-56)	y_7(-64)		y_8(-67)

[–] **Main Sequence Ions**

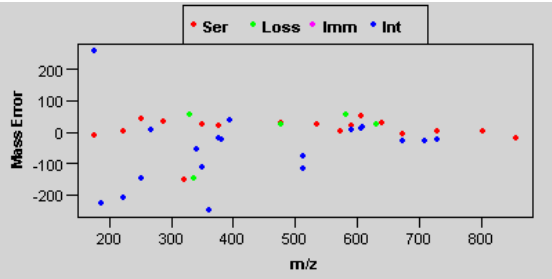
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1395.5998	698.3035
322.1397	---	3	**A**	11	1232.5364	616.7719
393.1769	---	4	**A**	10	1161.4993	581.2533
464.2140	---	5	**A**	9	1090.4622	545.7347
579.2409	---	6	**D**	8	1019.4251	510.2162
676.2937	---	7	**P**	7	904.3982	452.7027
813.3526	407.1799	8	**H**	6	807.3454	404.1763
942.3952	471.7012	9	**E**	5	670.2865	335.6469
1102.4258	551.7166	10	**C(Carbamidomethyl)**	4	541.2439	271.1256
1265.4892	633.2482	11	**Y**	3	381.2132	191.1103
1336.5263	668.7668	12	**A**	2	218.1499	109.5786
---	---	13	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVLHEKTPVSDR^{+3}



Max Intensity: **5.09**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **86.0%** Matched Series Intensity: **86.0%**



Sequence SYVLHEKTPVSDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C67 H108 N19 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1531.7190	1530.7911	766.3632	765.8992	511.2446	510.9352

[–] Peak Matches

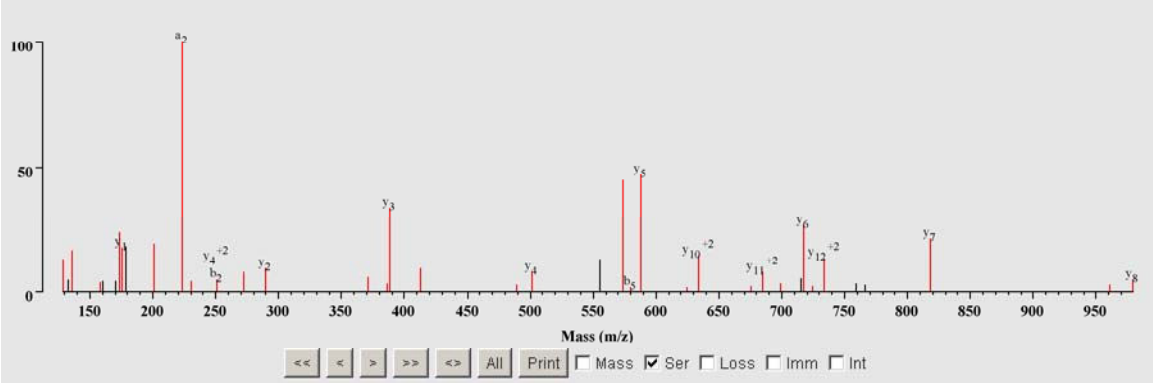
175.1168	187.0653	223.1082	247.0828	251.1132	267.1107	287.1630	303.2040	320.1228	325.1825
SD-28(260) y_1(-12)	VS(-227)	a_2(2.2) LH-28(-211)		b_2(42) LH(-148)	HE(7.2)	y_5^{+2}(34)		b_8^{+3}(-151)	
329.1819	**337.1375**	**341.1624**	**350.1793**	**354.1153**	**362.0912**	**377.1854**	**380.1840**	**391.1170**	**395.2178**
y_6-NH_3^{+2}(55)	a_9-H_2O^{+3}(-147)	EKT-H_2O(-57)	b_3(24) VLH(-112)		LHE-H_2O(-251)	y_3(20) HEK-H_2O(-21)	LHE(-23)		HEK(36)
476.2603	**509.2358**	**511.2670**	**513.2419**	**534.7889**	**573.3006**	**582.8369**	**591.3281**	**605.8497**	**607.3633**
y_4(29) y_{12}-NH_3^{+3}(24)			YVLH(-78) KTPVS(-119)	y_9^{+2}(26)	y_5(2.7)	y_{10}-NH_3^{+2}(56)	y_{10}^{+2}(18) LHEKT-H_2O(5.4)		a_{11}^{+2}(51) VLHEK(12)
609.3461	**631.8613**	**640.8701**	**646.3594**	**672.3740**	**674.3438**	**708.3824**	**729.3591**	**802.4453**	**857.4344**
LHEKT(17)	y_{11}-H_2O^{+2}(24)	y_{11}^{+2}(29)			y_6(-4.4) HEKTPV-H_2O(-27)	VLHEKT(-30)	b_6(3.4) EKTPVSD-28(-26)	y_7(4.4)	b_7(-20)

[–] Main Sequence Ions

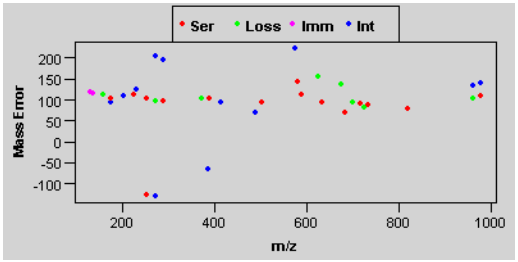
b	b^{+2}				y	y^{+2}
---	---	1	S	13	---	---
251.1026	---	2	Y	12	1443.7591	722.3832
350.1710	---	3	V	11	1280.6957	640.8515
463.2551	---	4	L	10	1181.6273	591.3173
600.3140	300.6606	5	H	9	1068.5432	534.7753
729.3566	365.1819	6	E	8	931.4843	466.2458
857.4516	429.2294	7	K	7	802.4417	401.7245
958.4993	479.7533	8	T	6	674.3468	337.6770
1055.5520	528.2796	9	P	5	573.2991	287.1532
1154.6204	577.8139	10	V	4	476.2463	238.6268
1241.6525	621.3299	11	S	3	377.1779	189.0926
1356.6794	678.8433	12	D	2	290.1459	145.5766
---	---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVTKC(Carbamidomethyl)C(Carbamidomethyl)TESLVNR^{+3}



Max Intensity: **4.84**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **88.7%** Matched Series Intensity: **90.5%**



Sequence: SYVTKC(Carbamidomethyl)C(Carbamidomethyl)TESLVNR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C70 H118 N21 O25 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1717.6419	1716.8044	859.3246	858.9058	573.2189	572.9396

[–] **Peak Matches**

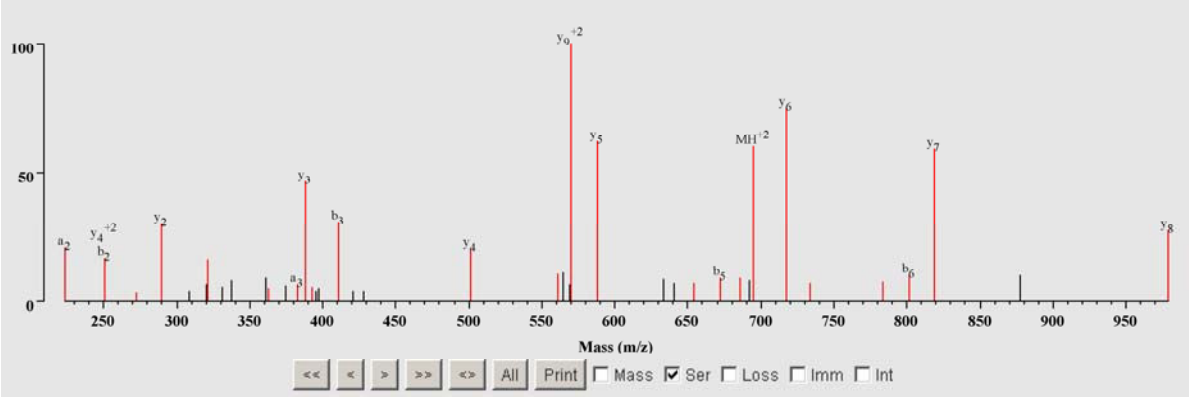
128.1257	129.1175	133.0597	136.0912	158.1102	160.0932	170.1390	173.1447	175.1368	178.0978
	K(118)		Y(114)	y_1-NH_3(113)			VT-28(94) SL-28(94)	y_1(102)	
201.1455	**223.1327**	**230.1787**	**251.1288**	**272.1615**	**289.1895**	**371.2420**	**386.2143**	**388.2705**	**413.2420**
VT(110) SL(110)	a_2(112)	TK(125)	b_2(104) y_4^{+2}(-127)	KC(Carbamidomethyl)-NH_3(203) y_2-NH_3(96) SLV-28(-130)	KC(Carbamidomethyl)(196) y_2(96)	y_3-NH_3(103)	SLVN-28(-66)	y_3(104)	TESL-H_2O(94)
489.2830	**501.3612**	**555.3519**	**573.3616**	**579.3966**	**588.4115**	**624.8912**	**633.8594**	**675.4118**	**684.3727**
VTKC(Carbamidomethyl)(70)	y_4(93)		C(Carbamidomethyl)TESL-H_2O(223)	b_5(143)	y_5(111)	y_{10}-H_2O^{+2}(154)	y_{10}^{+2}(94)	y_{11}-H_2O^{+2}(138)	y_{11}^{+2}(71)
699.4446	**715.3994**	**717.4540**	**724.9114**	**733.9220**	**758.9287**	**765.9431**	**818.5016**	**960.5553**	**978.5752**
y_6-H_2O(95)		y_6(91)	y_{12}-H_2O^{+2}(81)	y_{12}^{+2}(87)			y_7(79)	KC(Carbamidomethyl)C(Carbamidomethyl)TESLV-H_2O(133) y_8-H_2O(103)	KC(Carbamidomethyl)C(Carbamidomethyl)TESLV(140) y_8(110)

[–] **Main Sequence Ions**

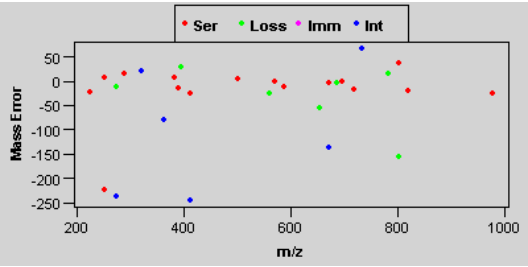
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1629.7723	815.3898
350.1710	---	3	**V**	12	1466.7090	733.8581
451.2187	---	4	**T**	11	1367.6406	684.3239
579.3137	290.1605	5	**K**	10	1266.5929	633.8001
739.3443	370.1758	6	**C(Carbamidomethyl)**	9	1138.4980	569.7526
899.3750	450.1911	7	**C(Carbamidomethyl)**	8	978.4673	489.7373
1000.4227	500.7150	8	**T**	7	818.4367	409.7220
1129.4653	565.2363	9	**E**	6	717.3890	359.1981
1216.4973	608.7523	10	**S**	5	588.3464	294.6768
1329.5813	665.2943	11	**L**	4	501.3144	251.1608
1428.6498	714.8285	12	**V**	3	388.2303	194.6188
1542.6927	771.8500	13	**N**	2	289.1619	145.0846
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)C(Carbamidomethyl)TESLVNR^{+2}



Max Intensity: **7.75**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **86.0%** Matched Series Intensity: **84.6%**



Sequence SYC(Carbamidomethyl)C(Carbamidomethyl)TESLVNR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C55 H90 N17 O21 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1389.2275	1388.5933	695.1175	694.8003

[–] **Peak Matches**

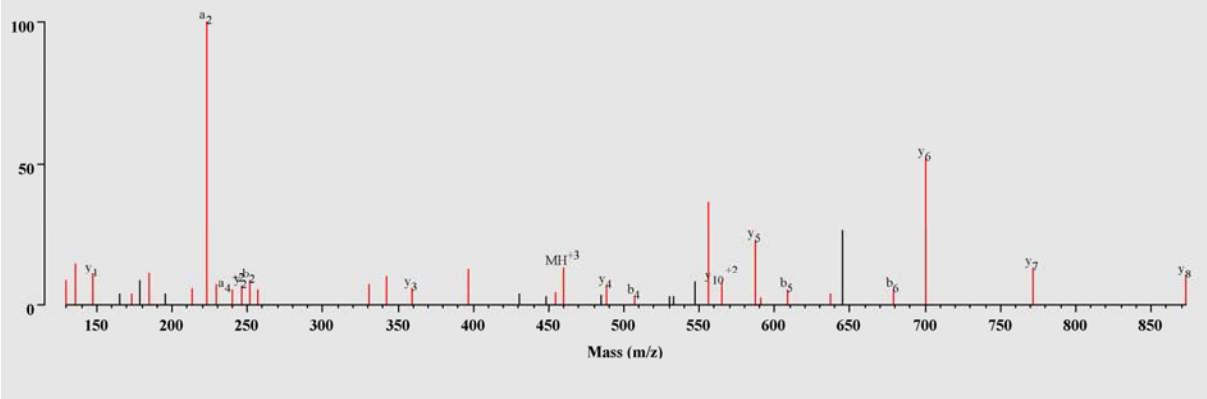
223.1026	251.1042	272.1322	289.1666	308.1387	320.1143	321.0752	331.1063	337.1080	361.0653
a_2(-23)	b_2(6.2) y_4^{+2}(-225)	y_2-NH_3(-12) SLV-28(-238)	y_2(16)			C(Carbamidomethyl)C (Carbamidomethyl)(21)			
363.1041	**374.2335**	**383.1408**	**388.2247**	**393.1338**	**395.0767**	**397.0810**	**411.1225**	**421.1531**	**428.1827**
C(Carbamidomethyl)TE-28(-80)		a_3(6.4)	y_3(-14)	b_3-H_2O(28)			b_3(-26) ESLV-H_2O(-246)		
501.3169	**560.7322**	**564.2768**	**569.3425**	**569.7514**	**588.3386**	**633.3111**	**640.2784**	**654.1651**	**672.2096**
y_4(5.1)	y_9-H_2O^{+2}(-27)			y_9^{+2}(-2.1)	y_5(-13)			b_5-H_2O(-55)	b_5(-3.0) C(Carbamidomethyl)TESLV-H_2O(-138)
685.7918	**692.2417**	**694.7991**	**717.3766**	**733.3138**	**783.2565**	**801.2848**	**818.4211**	**877.4387**	**978.4433**
MH-H_2O^{+2}(-4.7)		MH^{+2}(-1.7)	y_6(-17)	C(Carbamidomethyl)C (Carbamidomethyl)TESL-H_2O(67)	YC(Carbamidomethyl)C (Carbamidomethyl)TES-H_2O(16) b_6-H_2O(16)	YC(Carbamidomethyl)C (Carbamidomethyl)TES(38) b_6(38) y_7-NH_3(-156)	y_7(-19)		y_8(-25)

[–] **Main Sequence Ions**

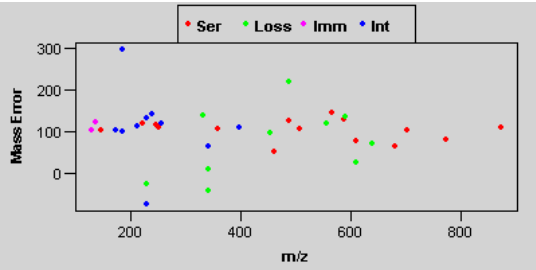
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1301.5613	651.2843
411.1333	3	C(Carbamidomethyl)	9	1138.4980	569.7526
571.1639	4	C(Carbamidomethyl)	8	978.4673	489.7373
672.2116	5	T	7	818.4367	409.7220
801.2542	6	E	6	717.3890	359.1981
888.2862	7	S	5	588.3464	294.6768
1001.3703	8	L	4	501.3144	251.1608
1100.4387	9	V	3	388.2303	194.6188
1214.4816	10	N	2	289.1619	145.0846
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKQTALVELVK^{+3}



Max Intensity: **3.91**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **85.9%** Matched Series Intensity: **85.0%**



Sequence: SYKQTALVELVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H108 N15 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1379.6495	1378.7940	690.3285	689.9007	460.5548	460.2695

[–] **Peak Matches**

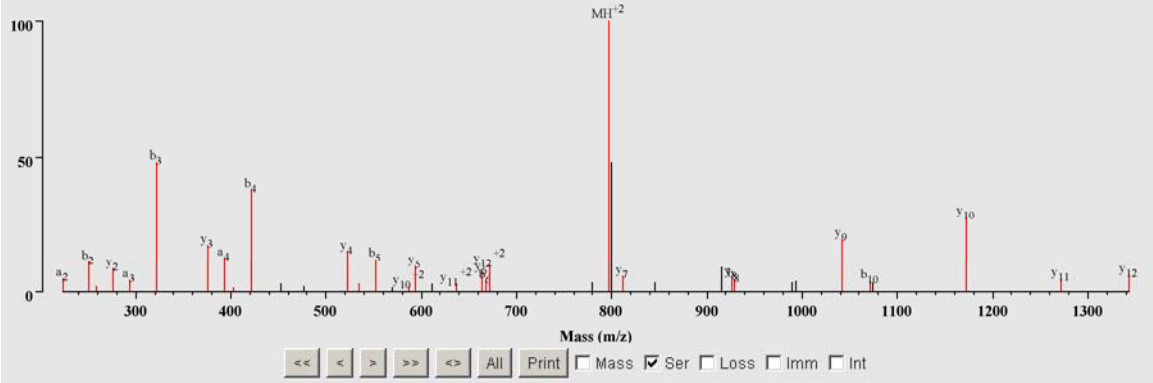
129.1154	136.0923	147.1279	165.0882	173.1098	178.1066	185.1834	195.1146	213.1840	223.1341
K(102)	Y(122)	y_1(103)		TA(102)		AL(297) LV-28(100)		LV(114)	a_2(118)
229.1488	**240.1685**	**246.2095**	**251.1303**	**257.1915**	**331.2149**	**342.2240**	**359.3036**	**396.2673**	**430.6492**
VE(133) y_2-NH_3(-26) KQ-28(-75)	a_4^{+2}(143) KQ-NH_3(143)	y_2(115)	b_2(110)	KQ(119)	b_6-H_2O^{+2}(139)	VEL(63) LVE(63) ELV(63) y_6-NH_3^{+2}(10) y_3-NH_3(-43)	y_3(107)	QTAL-H_2O(109)	
448.6581	**454.3092**	**460.2926**	**484.9964**	**488.3685**	**507.3105**	**530.3531**	**533.3216**	**547.4000**	**555.9141**
	MH-H_2O^{+3}(95)	MH^{+3}(50)		a_9-NH_3^{+2}(220) y_4(124)	b_4(107)				y_{10}-H_2O^{+2}(119)
564.9347	**587.4516**	**590.3722**	**608.3504**	**637.4244**	**645.4475**	**679.3852**	**700.5319**	**771.5590**	**872.6391**
y_{10}^{+2}(145)	y_5(128)	b_5-H_2O(134)	b_5(77) b_{11}-NH_3^{+2}(26)	y_{11}-H_2O^{+2}(71)		b_6(65)	y_6(102)	y_7(80)	y_8(108)

[–] **Main Sequence Ions**

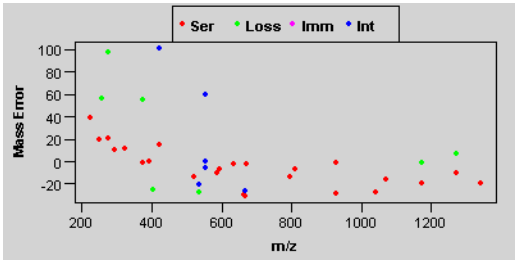
b	b^{+2}				y	y^{+2}
---	---	1	S	12	---	---
251.1026	---	2	Y	11	1291.7620	646.3846
379.1976	190.1024	3	K	10	1128.6987	564.8530
507.2562	254.1317	4	Q	9	1000.6037	500.8055
608.3039	304.6556	5	T	8	872.5451	436.7762
679.3410	340.1741	6	A	7	771.4975	386.2524
792.4250	396.7162	7	L	6	700.4604	350.7338
891.4934	446.2504	8	V	5	587.3763	294.1918
1020.5360	510.7717	9	E	4	488.3079	244.6576
1133.6201	567.3137	10	L	3	359.2653	180.1363
1232.6885	616.8479	11	V	2	246.1812	123.5942
---	---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVMDDFAAFVEK^{+2}



Max Intensity: **31.5**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **80.4%** Matched Series Intensity: **75.4%**



Sequence SYAVMDDFAAFVEK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C73 H106 N15 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1593.8065	1592.7301	797.4070	796.8687

[–] **Peak Matches**

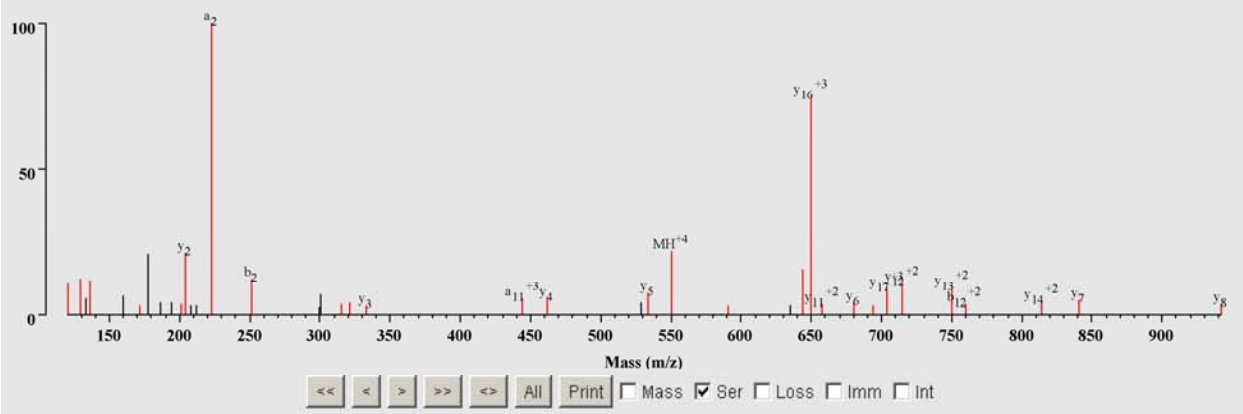
223.1164	**251.1073**	**258.1592**	**276.1611**	**294.1478**	**322.1433**	**375.2235**	**393.2134**	**403.1877**	**421.2143**
a_2(39)	b_2(19)	y_2-H_2O(56)	a_3-H_2O(97) y_2(21)	a_3(10)	b_3(11)	a_4-H_2O(55) y_3(-0.83)	a_4(0.39)	b_4-H_2O(-25)	DDFA-28(101) b_4(15)
453.1929	**476.2456**	**522.2851**	**534.2237**	**552.2454**	**569.2806**	**586.7625**	**593.3253**	**610.6576**	**636.3013**
		y_4(-14)	DFAAF-H_2O(-21) b_5-H_2O(-27)	MDDFA-28(60) DFAAF(0.23) b_5(-5.9) YAVMD-28(-5.9)		y_{10}^{+2}(-9.8)	y_5(-6.8)		y_{11}^{+2}(-1.8)
664.3468	**667.2550**	**671.8194**	**779.3796**	**796.4008**	**796.8575**	**799.8817**	**811.4291**	**844.9356**	**915.4592**
y_6(-30)	DDFAAF(-26) YAVMDD-28(-31) b_6(-31)	y_{12}^{+2}(-2.4)			MH^{+2}(-14)		y_7(-7.1)		
926.4353	**929.3698**	**989.5175**	**992.8632**	**1041.4609**	**1071.4280**	**1074.4751**	**1172.5066**	**1271.5853**	**1342.6093**
y_8(-29)	b_8(-1.2)			y_9(-27)	b_{10}(-16)		a_{11}-H_2O(-1.3) y_{10}(-19)	a_{12}-H_2O(6.9) y_{11}(-9.7)	y_{12}(-19)

[–] **Main Sequence Ions**

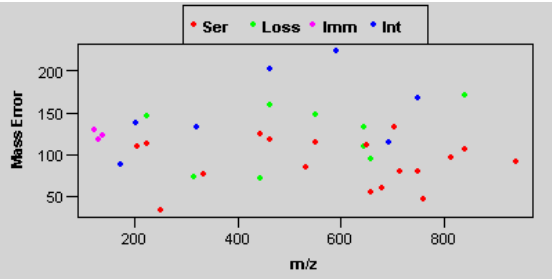
b			y	y^{+2}
---	1	S 14	---	---
251.1026	2	Y 13	1505.6981	753.3527
322.1397	3	A 12	1342.6348	671.8210
421.2082	4	V 11	1271.5977	636.3025
552.2486	5	M 10	1172.5292	586.7683
667.2756	6	D 9	1041.4888	521.2480
782.3025	7	D 8	926.4618	463.7345
929.3709	8	F 7	811.4349	406.2211
1000.4081	9	A 6	664.3665	332.6869
1071.4452	10	A 5	593.3293	297.1683
1218.5136	11	F 4	522.2922	261.6498
1317.5820	12	V 3	375.2238	188.1155
1446.6246	13	E 2	276.1554	138.5813
---	14	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)C(Carbamidomethyl)KADDKETC(Carbamidomethyl)FAEEGK^{+4}



Max Intensity: **4.42**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **85.8%** Matched Series Intensity: **86.3%**



Sequence: SYC(Carbamidomethyl)C(Carbamidomethyl)KADDKETC(Carbamidomethyl)FAEEC
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C89 H137 N24 O35 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2198.9174	2197.8835	1099.9624	1099.4454	733.6441	733.2993	550.4849	550.2263

[–] Peak Matches

120.0963	129.1175	133.0597	136.0923	160.0872	172.1596	178.0915	186.1429	194.1349	201.1146
F(129)	K(118)		Y(122)		KA-28(88)				AE(137)
204.1568	**208.1111**	**212.1489**	**223.1327**	**251.1108**	**299.2301**	**300.2280**	**315.1893**	**321.1114**	**333.2023**
y_2(110)			y_4-NH_3^{+2}(146) a_2(112)	b_2(33)			KAD(73) y_3-H_2O(73)	C(Carbamidomethyl)C (Carbamidomethyl)(133)	y_3(76)
444.2405	**462.2741**	**528.7230**	**533.3020**	**550.2888**	**590.3561**	**634.8201**	**644.0007**	**644.3442**	**650.0061**
a_{11}^{+3}(125) y_4-H_2O(71)	TC(Carbamidomethyl)FA-H_2O(202) y_8-H_2O^{+2}(160) y_4(118)		y_5(85)	b_{13}-NH_3^{+3}(148) MH^{+4}(114)	C(Carbamidomethyl)KADD(224)		y_{16}-H_2O^{+3}(109)	y_{16}-NH_3^{+3}(133)	y_{16}^{+3}(111)
657.3228	**680.3649**	**694.3300**	**704.3819**	**714.8578**	**750.3798**	**759.8224**	**814.4450**	**840.4446**	**941.4902**
a_{11}-NH_3^{+2}(95) y_{11}^{+2}(54)	y_6(59)	C(Carbamidomethyl)FAEEG(115)	y_{17}^{+3}(132)	y_{12}^{+2}(79)	C(Carbamidomethyl)C(Carbamidomethyl)KADD(167) y_{13}^{+2}(80)	b_{12}^{+2}(47)	y_{14}^{+2}(96)	a_7-NH_3(170) y_7(106)	y_8(92)

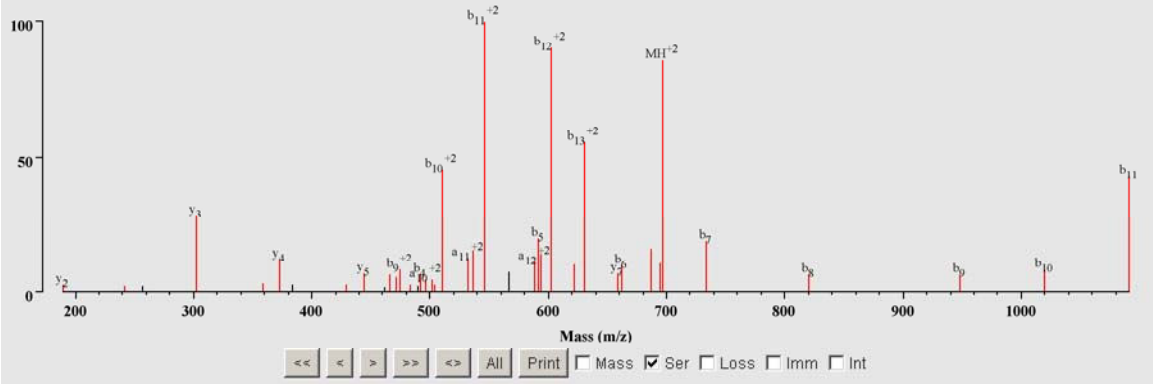
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	18	---	---
251.1026	---	2	**Y**	17	2110.8515	1055.9294
411.1333	---	3	**C(Carbamidomethyl)**	16	1947.7881	974.3977
571.1639	---	4	**C(Carbamidomethyl)**	15	1787.7575	894.3824
699.2589	350.1331	5	**K**	14	1627.7268	814.3671
770.2960	385.6516	6	**A**	13	1499.6319	750.3196
885.3229	443.1651	7	**D**	12	1428.5948	714.8010
1000.3499	500.6786	8	**D**	11	1313.5678	657.2875
1128.4449	564.7261	9	**K**	10	1198.5409	599.7741
1257.4874	629.2474	10	**E**	9	1070.4459	535.7266
1358.5351	679.7712	11	**T**	8	941.4033	471.2053
1518.5658	759.7865	12	**C(Carbamidomethyl)**	7	840.3556	420.6815
1665.6342	833.3207	13	**F**	6	680.3250	340.6661
1736.6713	868.8393	14	**A**	5	533.2566	267.1319
1865.7139	933.3606	15	**E**	4	462.2195	231.6134

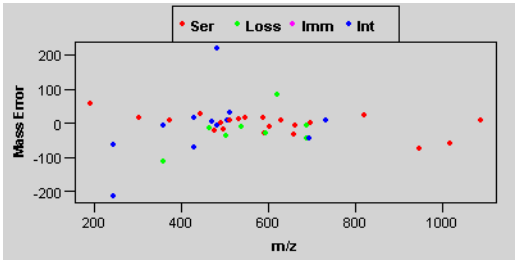
1994.7565	997.8819	16	**E**	3	333.1769	167.0921
2051.7780	1026.3926	17	**G**	2	204.1343	102.5708
---	---	18	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKLVAASQAALGL^{+2}



Max Intensity: **5.24**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.6%** Matched Series Intensity: **97.2%**



Sequence: SYKLVAASQAALGL
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H107 N16 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1392.6483	1391.7893	696.8279	696.3983

[–] **Peak Matches**

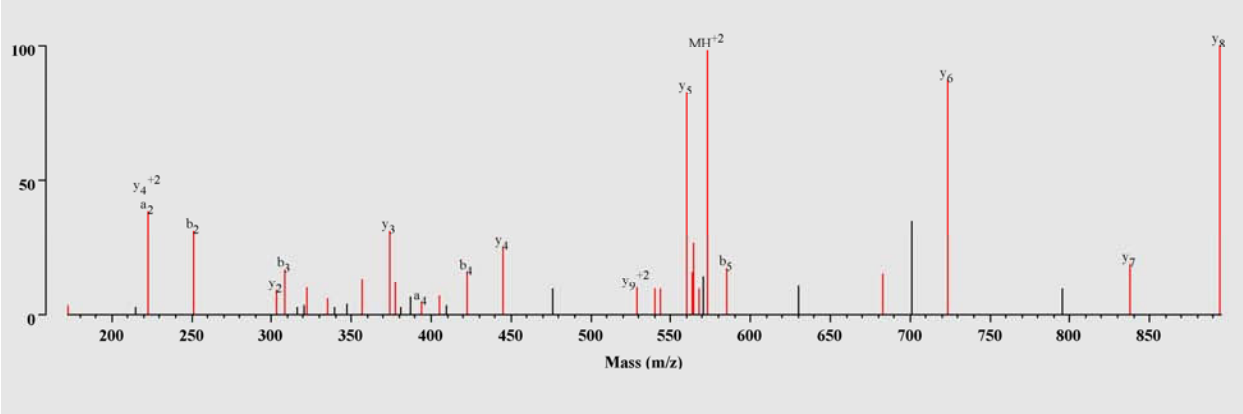
189.1344	242.1344	257.1953	302.2118	358.1695	373.2480	384.0632	429.2157	444.2939	461.2793
y_2(58)	ALG(-64) VAA(-64) KL(-214)		y_3(14)	ASQA(-7.3) AASQ(-7.3) SQAA(-7.3) b_7-H_2O^{+2}(-114)	y_4(9.3)		AASQA(15) ASQAA(15) VAASQ-28(-70)	y_5(28)	
465.7495	**471.2577**	**474.7506**	**483.3258**	**489.3029**	**492.2822**	**496.2735**	**501.2551**	**504.3214**	**510.2834**
b_9-H_2O^{+2}(-14)	SQAAL(3.2)	b_9^{+2}(-22)	AASQAA-NH_3(219) KLVAA(-6.5)		b_4(1.1)	a_{10}^{+2}(-18)	b_{10}-H_2O^{+2}(-38)	YKLV(6.7)	SQAALG-H_2O(32) VAASQA-H_2O(32) b_{10}^{+2}(7.4)
531.8069	**536.7879**	**545.8064**	**566.8122**	**588.3523**	**591.3334**	**593.3165**	**602.3338**	**621.8982**	**630.8560**
a_{11}^{+2}(12)	b_{11}-H_2O^{+2}(-9.4)	b_{11}^{+2}(15)		a_{12}^{+2}(16)	b_5(-28)	b_{12}-H_2O^{+2}(-31)	b_{12}^{+2}(-11)	b_{13}-H_2O^{+2}(84)	b_{13}^{+2}(8.0)
659.3500	**662.3838**	**687.3886**	**694.3561**	**696.3975**	**733.4294**	**820.4755**	**948.4434**	**1019.4916**	**1090.5978**
y_7(-34)	b_6(-5.1)	MH-H_2O^{+2}(-6.4) a_7-H_2O(-44)	VAASQAAL-H_2O(-46) LVAASQAA-H_2O(-46)	MH^{+2}(-1.1)	b_7(7.0) YKLVAAS(7.0)	b_8(23)	b_9(-75)	b_{10}(-59)	b_{11}(7.9)

[–] **Main Sequence Ions**

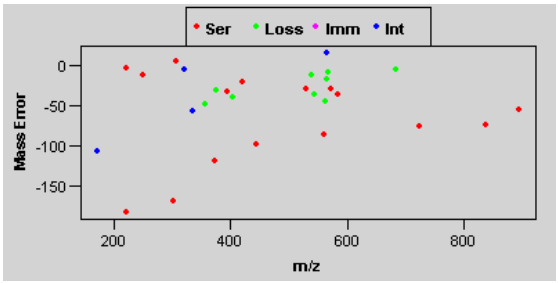
b	b^{+2}			y	y^{+2}
---	---	1	S 14	---	---
251.1026	---	2	Y 13	1304.7573	652.8823
379.1976	190.1024	3	K 12	1141.6939	571.3506
492.2817	246.6445	4	L 11	1013.5990	---
591.3501	296.1787	5	V 10	900.5149	---
662.3872	331.6972	6	A 9	801.4465	---
733.4243	367.2158	7	A 8	730.4094	---
820.4563	410.7318	8	S 7	659.3723	---
948.5149	474.7611	9	Q 6	572.3402	---
1019.5520	510.2796	10	A 5	444.2817	---
1090.5891	545.7982	11	A 4	373.2445	---
1203.6732	602.3402	12	L 3	302.2074	---
1260.6947	630.8510	13	G 2	189.1234	---
---	---	14	L 1	132.1019	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGNYDAAKR^{+2}



Max Intensity: **10.5**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **87.1%** Matched Series Intensity: **84.5%**



Sequence SYGNYDAAKR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C49 H74 N15 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1145.2241	1144.5382	573.1158	572.7727

[–] Peak Matches

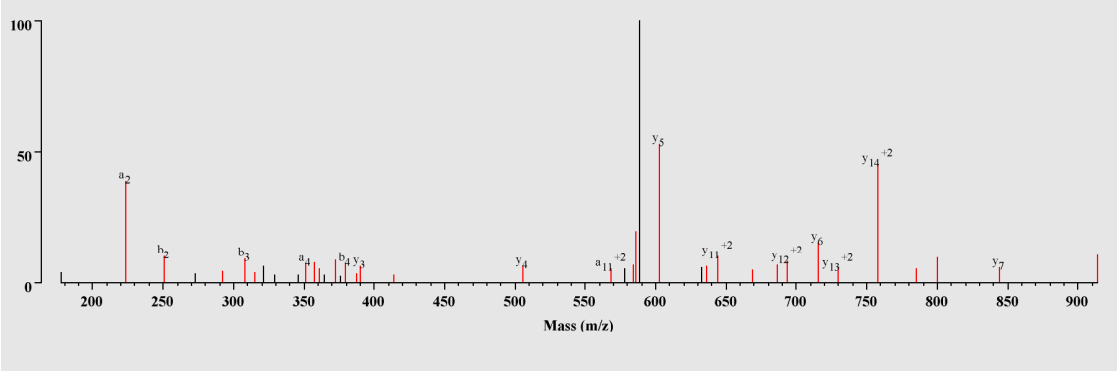
172.1261	215.1321	223.1068	251.0997	303.1628	308.1254	316.1840	320.1262	322.1378	335.1159
AK-28(-107)		a_2(-4.1) y_4^{+2}(-183)	YD-28(-12) b_2(-12)	y_2(-169)	b_3(4.2)			YDA-28(-6.0)	GNY(-57) YGN(-57)
339.1635	**347.1641**	**357.2070**	**374.2060**	**377.1340**	**381.1406**	**387.1922**	**394.1592**	**405.1241**	**409.1711**
		y_3-NH_3(-49)	y_3(-120)	a_4-NH_3(-31)			a_4(-33)	b_4-NH_3(-40)	
422.1579	**445.2442**	**476.2310**	**529.2415**	**540.2025**	**543.2691**	**560.2661**	**563.7418**	**564.2498**	**568.1981**
GNYD-28(-22) b_4(-22)	y_4(-99)		y_9^{+2}(-29)	a_5-NH_3(-12)	y_5-NH_3(-36)	y_5(-87)	MH-H_2O^{+2}(-45)	GNYDAA-28(15) MH-NH_3^{+2}(-17)	b_5-NH_3(-10)
570.2440	**572.7557**	**585.2089**	**630.3015**	**683.2263**	**701.3311**	**723.3236**	**795.3664**	**837.3595**	**894.3926**
	MH^{+2}(-30)	YGNYD-28(-37) b_5(-37)		b_6-NH_3(-6.5)		y_6(-76)		y_7(-74)	y_8(-56)

[–] Main Sequence Ions

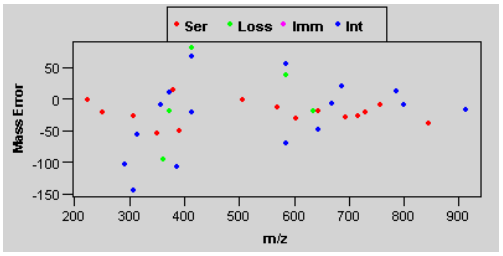
b	b^{+2}			y	y^{+2}
---	---	1	**S** 10	---	---
251.1026	---	2	**Y** 9	1057.5061	529.2567
308.1241	---	3	**G** 8	894.4428	447.7250
422.1670	---	4	**N** 7	837.4213	419.2143
585.2304	---	5	**Y** 6	723.3784	362.1928
700.2573	---	6	**D** 5	560.3151	280.6612
771.2944	---	7	**A** 4	445.2881	223.1477
842.3315	---	8	**A** 3	374.2510	187.6292
970.4265	485.7169	9	**K** 2	303.2139	152.1106
---	---	10	**R** 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGAVEGKEELPDENK^{+3}



Max Intensity: **3.94**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **71.4%** Matched Series Intensity: **71.4%**



Sequence SYGAVEGKEELPDENK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C75 H118 N19 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1765.8826	1764.8286	883.4450	882.9180	589.2991	588.9477

[–] **Peak Matches**

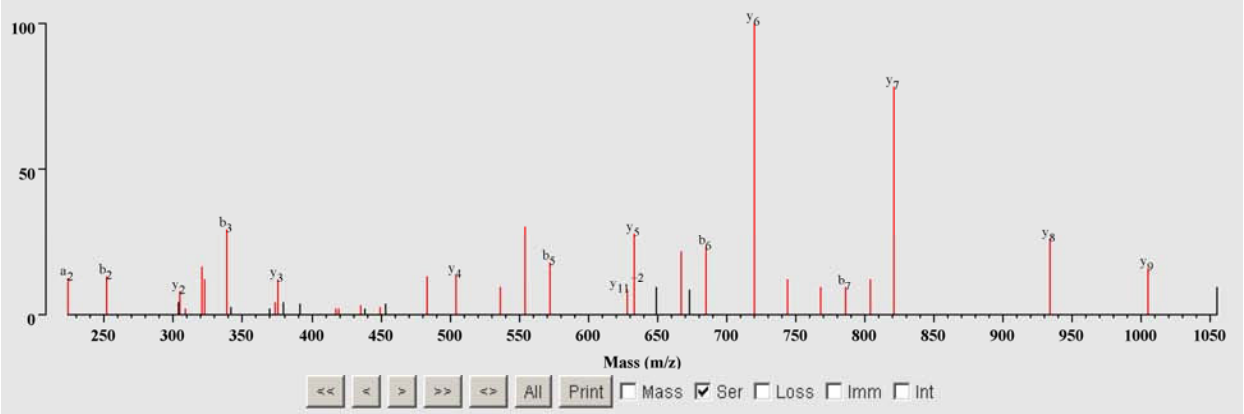
177.1046	223.1074	251.0973	273.1220	292.0990	308.1159	315.1486	321.1164	329.0690	346.2023
	a_2(-1.4)	b_2(-21)		YGA(-103)	b_3(-27) LPD-H_2O(-145)	GKE(-56) EGK(-56)			
351.1475	**357.1734**	**361.1161**	**364.1875**	**372.1804**	**376.2415**	**379.1664**	**387.1460**	**390.1783**	**414.2262**
a_4(-54)	GAVE(-9.7) AVEG(-9.7)	b_4-H_2O(-96)		EEL(10) y_3-H_2O(-20)		b_4(14)	KEE(-107)	y_3(-51)	y_7-NH_3^{+2}(81) GAVEG(67) VEGK(-21)
505.2240	**568.2777**	**578.3303**	**584.2888**	**586.2787**	**588.2995**	**602.2592**	**632.3228**	**635.7811**	**644.2938**
y_4(-2.5)	a_{11}^{+2}(-13)		EELPD(56) ELPDE(56) y_5-H_2O(37)	AVEGKE-28(-70)		y_5(-31)		y_{11}-NH_3^{+2}(-20)	y_{11}^{+2}(-20) VEGKEE-28(-48)
668.3204	**686.3494**	**693.8211**	**715.3419**	**729.3433**	**757.8627**	**785.4137**	**800.3708**	**844.3714**	**913.4465**
EGKEEL-H_2O(-6.9)	EGKEEL(20)	y_{12}^{+2}(-29)	AVEGKEE-28(-28) y_6(-28)	y_{13}^{+2}(-22)	y_{14}^{+2}(-10)	VEGKEEL(12)	GAVEGKEE(-9.6)	y_7(-39)	GAVEGKEEL(-18)

[–] **Main Sequence Ions**

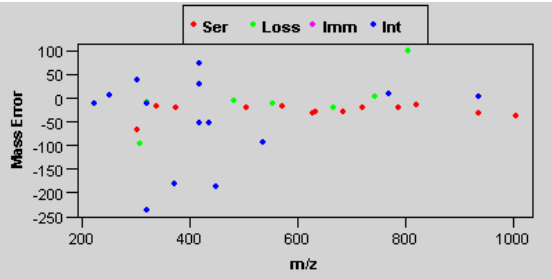
b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1677.7966	839.4019
308.1241	---	3	**G**	14	1514.7333	757.8703
379.1612	---	4	**A**	13	1457.7118	729.3596
478.2296	---	5	**V**	12	1386.6747	693.8410
607.2722	---	6	**E**	11	1287.6063	644.3068
664.2937	---	7	**G**	10	1158.5637	579.7855
792.3886	396.6980	8	**K**	9	1101.5422	551.2748
921.4312	461.2193	9	**E**	8	973.4473	487.2273
1050.4738	525.7406	10	**E**	7	844.4047	422.7060
1163.5579	582.2826	11	**L**	6	715.3621	358.1847
1260.6107	630.8090	12	**P**	5	602.2780	301.6427
1375.6376	688.3224	13	**D**	4	505.2253	253.1163
1504.6802	752.8437	14	**E**	3	390.1983	195.6028
1618.7231	809.8652	15	**N**	2	261.1557	131.0815
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYALTSEEAER^{+2}



Max Intensity: **10.4**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **91.7%** Matched Series Intensity: **91.5%**



Sequence: SYSYALTSEEAER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C64 H97 N16 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1506.5752	1505.6754	753.7913	753.3414

[–] Peak Matches

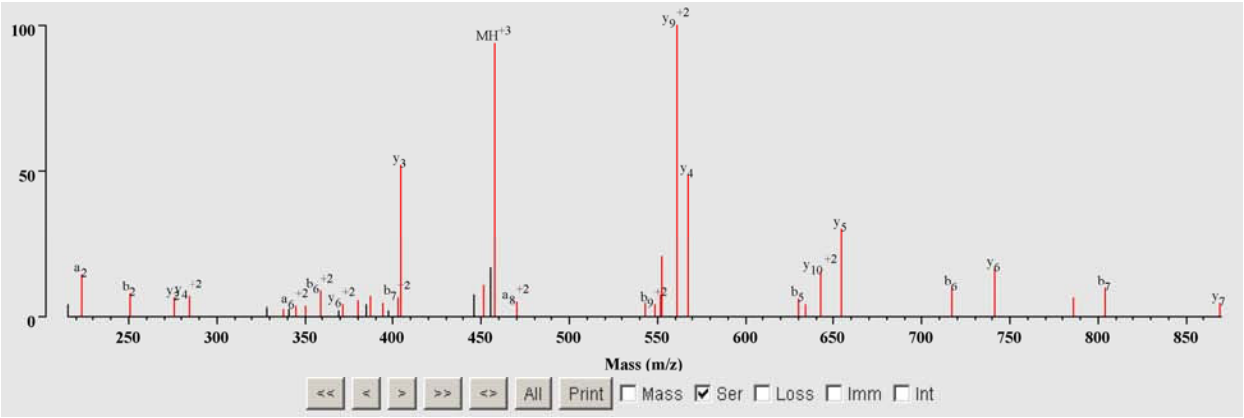
223.1054	251.1042	303.1743	304.1409	308.1104	320.1211	322.1361	338.1289	341.1431	369.1405
a_2(-10) YS-28(-10) SY-28(-10)	b_2(6.2) YS(6.2) SY(6.2)		SYA-H_2O(39) y_2(-68)	y_5-H_2O^{+2}(-97)	b_3-H_2O(-9.4) YAL-28(-237)	SYA(-11)	b_3(-17)		
373.1411	**375.1917**	**379.1549**	**391.1470**	**417.1921**	**419.1896**	**435.2014**	**438.1743**	**449.1553**	**453.3273**
ALTS(-180)	y_3(-19)			SEEA(73) SYAL-H_2O(-51)	TSEE-28(29)	SYAL(-51)		YALT(-187)	
483.1841	**504.2309**	**536.2214**	**554.2177**	**572.2257**	**628.2738**	**633.2659**	**649.2816**	**667.2958**	**673.3536**
b_4-H_2O(-6.9)	y_4(-21)	SYALT(-93) YALTS(-93)	b_5-H_2O(-12)	b_5(-16)	y_{11}^{+2}(-32)	y_5(-28)		b_6-H_2O(-19)	
685.2987	**720.3025**	**744.3380**	**768.3638**	**786.3509**	**804.4172**	**821.3509**	**934.4179**	**1005.4452**	**1054.5124**
b_6(-30)	y_6(-19)	MH-H_2O^{+2}(2.6)	b_7-H_2O(9.8) YSYALTS-H_2O(9.8)	YSYALTS(-20) b_7(-20)	y_7-NH_3(100)	y_7(-15)	SYALTSEEA-H_2O(2.8) y_8(-32)	y_9(-39)	

[–] Main Sequence Ions

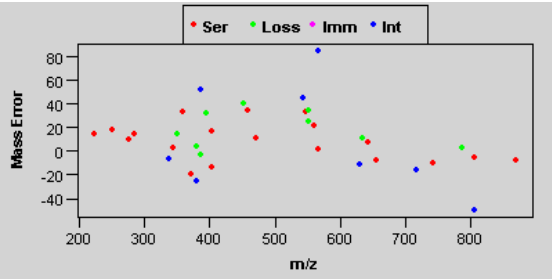
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1418.6434	709.8253
338.1347	3	S	11	1255.5801	628.2937
501.1980	4	Y	10	1168.5481	584.7777
572.2351	5	A	9	1005.4847	503.2460
685.3192	6	L	8	934.4476	467.7274
786.3668	7	T	7	821.3636	411.1854
873.3989	8	S	6	720.3159	360.6616
1002.4415	9	E	5	633.2838	317.1456
1131.4841	10	E	4	504.2413	252.6243
1202.5212	11	A	3	375.1987	188.1030
1331.5638	12	E	2	304.1615	152.5844
---	13	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNHQSSYQTR^{+3}



Max Intensity: **36.6**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **92.7%** Matched Series Intensity: **91.1%**



Sequence: SYNHQSSYQTR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H84 N19 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1371.4171	1370.6084	686.2123	685.8078	457.8107	457.5410

[–] Peak Matches

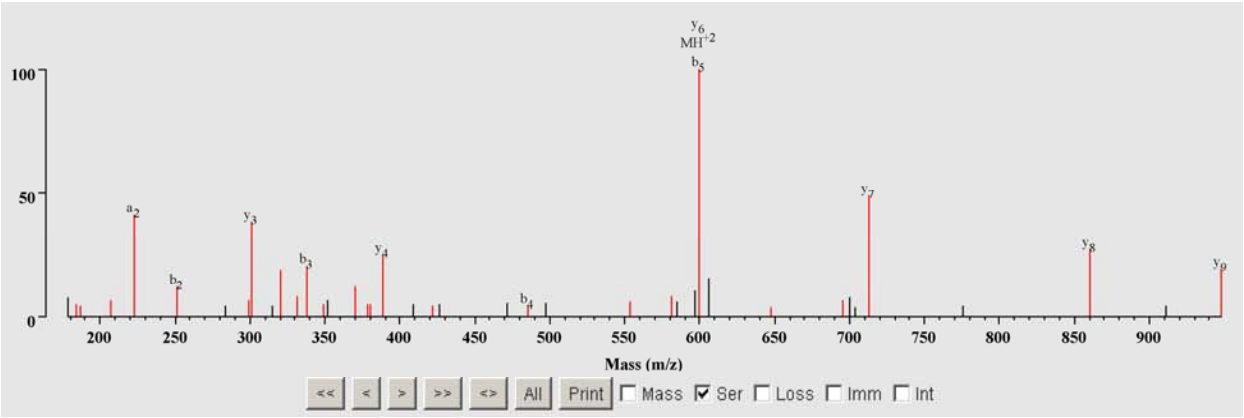
215.1460	223.1110	251.1072	276.1693	284.1523	328.1592	338.1324	341.1484	345.1548	350.1510
	SY-28(15) a_2(15)	SY(18) b_2(18)	y_2(9.7)	y_4^{+2}(15)		SSY(-6.7)		a_6^{+2}(3.1)	b_6-H_2O^{+2}(15)
359.1632	**369.1932**	**371.1728**	**380.1582**	**385.1536**	**387.1975**	**394.1667**	**397.1565**	**402.6740**	**404.2197**
b_6^{+2}(33)		y_6^{+2}(-19)	a_7-NH_3^{+2}(4.6) NHQ(-25)		YNH-28(52) y_3-NH_3(-2.9)	b_7-NH_3^{+2}(32)		b_7^{+2}(17)	y_3(-14)
445.5498	**451.5556**	**455.2439**	**457.5571**	**470.2064**	**543.2553**	**548.2465**	**551.7737**	**552.2608**	**560.7725**
	MH-H_2O^{+3}(40)		MH^{+3}(35)	a_8^{+2}(11)	YNHQ(45)	b_9^{+2}(33)	y_9-H_2O^{+2}(34)	y_9-NH_3^{+2}(25)	y_9^{+2}(22)
567.2892	**630.2564**	**633.7852**	**642.2966**	**654.3152**	**717.2838**	**741.3455**	**786.3191**	**804.3232**	**869.4048**
SSYQT(85) y_4(1.2)	b_5(-11) YNHQS(-11)	y_{10}-NH_3^{+2}(11)	y_{10}^{+2}(7.5)	y_5(-8.2)	NHQSSY(-16) b_6(-16) YNHQSS(-16)	y_6(-9.6)	b_7-H_2O(3.3)	b_7(-4.9) HQSSYQT-28(-50)	y_7(-7.3)

[–] Main Sequence Ions

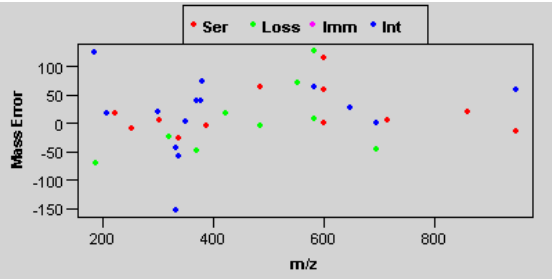
b	b^{+2}			y	y^{+2}
---	---	1	S 11	---	---
251.1026	---	2	Y 10	1283.5763	642.2918
365.1456	---	3	N 9	1120.5130	560.7601
502.2045	251.6059	4	H 8	1006.4701	503.7387
630.2631	315.6352	5	Q 7	869.4112	435.2092
717.2951	359.1512	6	S 6	741.3526	371.1799
804.3271	402.6672	7	S 5	654.3206	327.6639
967.3904	484.1989	8	Y 4	567.2885	284.1479
1095.4490	548.2281	9	Q 3	404.2252	202.6162
1196.4967	598.7520	10	T 2	276.1666	138.5870
---	---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFNPNSPGK^{+2}



Max Intensity: **2.36**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **82.3%** Matched Series Intensity: **78.1%**



Sequence: SYSFNPNSPGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C53 H77 N14 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1198.2851	1197.5535	599.6463	599.2804

[–] Peak Matches

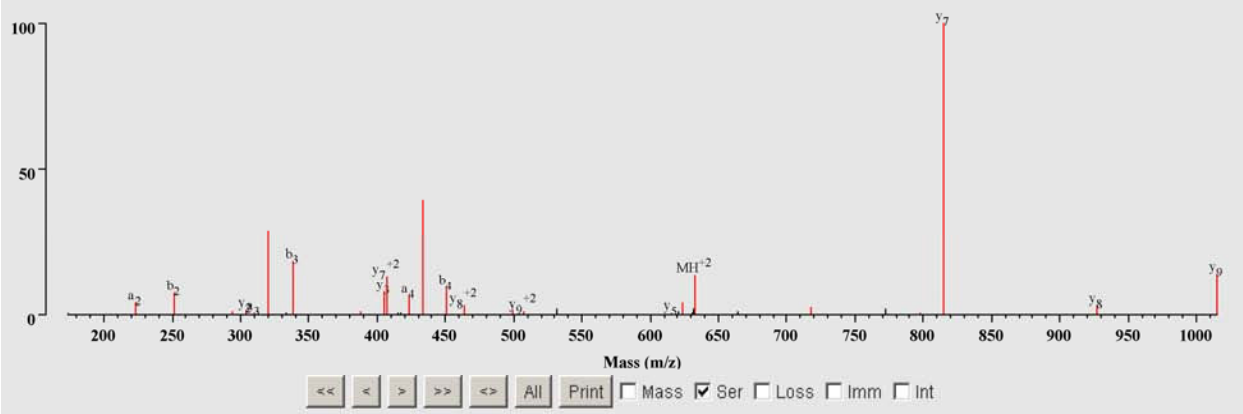
178.0783	184.1311	187.0944	207.1164	223.1116	251.1003	283.1756	299.1407	301.1889	315.1267
	PN-28(125) NP-28(125)	y_2-NH_3(-71)	SF-28(17)	YS-28(17) a_2(17)	YS(-9.3) b_2(-9.3)		PNS(19) NSP(19)	y_3(6.2)	
320.1165	**331.1257**	**338.1258**	**349.1514**	**352.1716**	**370.1909**	**378.1920**	**380.1881**	**388.2176**	**409.1638**
b_3-H_2O(-24)	SFN-H_2O(-43) FNP-28(-153)	b_3(-26) NSPG-H_2O(-59)	SFN(2.2)		YSF-28(40) y_4-H_2O(-48)	PNSP-H_2O(39)	YSF-H_2O(73)	y_4(-3.8)	
422.2107	**426.1446**	**471.1676**	**485.2337**	**497.2500**	**553.2800**	**581.3091**	**585.2501**	**597.2593**	**599.3151**
y_8-NH_3^{+2}(17)			b_4(63) y_5-NH_3(-3.6)		a_5-H_2O(71)	b_5-H_2O(127) YSFNP-28(64) y_6-H_2O(8.5)			b_5(115) MH^{+2}(58) y_6(0.58)
606.3241	**647.2956**	**695.3153**	**700.3711**	**703.4254**	**713.3611**	**775.3344**	**860.4435**	**911.4537**	**947.4444**
	SFNPNS(27)	YSFNPN-28(0.79) y_7-H_2O(-46)			y_7(4.8)		y_8(20)		YSFNPNSPG-NH_3(58) y_9(-14)

[–] Main Sequence Ions

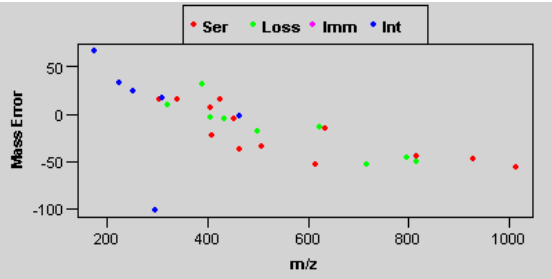
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1110.5214	555.7644
338.1347	3	S	947.4581	474.2327
485.2031	4	F	860.4261	430.7167
599.2460	5	N	713.3577	357.1825
696.2988	6	P	599.3148	300.1610
810.3417	7	N	502.2620	251.6346
897.3737	8	S	388.2191	194.6132
994.4265	9	P	301.1870	151.0972
1051.4480	10	G	204.1343	102.5708
---	11	K	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLQAIPTER^{+2}



Max Intensity: **96.1**
Num Matched: **25/34 (26.5% unmatched)** Matched Intensity: **96.0%** Matched Series Intensity: **95.7%**



Sequence: SYSLQAIPTER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C55 H90 N15 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1265.4171	1264.6532	633.2123	632.8302

[–] Peak Matches

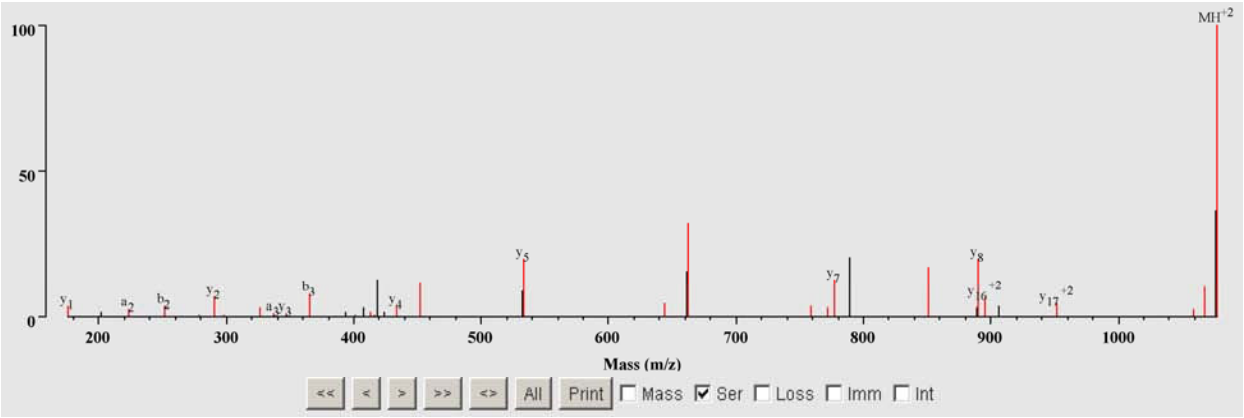
173.1400	223.1150	251.1088	294.1511	304.1662	310.1451	320.1270	333.1970	338.1400	388.1948
SL-28(67)	a_2(33) YS-28(33)	b_2(25) YS(25)	IPT-H_2O(-102)	y_2(15)	a_3(17) PTE-H_2O(17)	b_3-H_2O(9.1)		b_3(16)	y_3-NH_3(31)
405.2120	**407.7152**	**415.1899**	**417.2286**	**423.2307**	**433.2060**	**451.2168**	**464.2491**	**498.7684**	**507.7655**
y_3(6.9) a_4-H_2O(-3.1)	y_7^{+2}(-23)			IPTE-H_2O(16) a_4(16)	b_4-H_2O(-5.0)	b_4(-4.3)	YSLQ-28(-2.7) y_8^{+2}(-38)	y_9-H_2O^{+2}(-18)	y_9^{+2}(-34)
531.2684	**615.3131**	**620.6722**	**623.8165**	**630.2976**	**631.3530**	**632.8209**	**664.3005**	**717.3547**	**771.8236**
	y_5(-54)		MH-H_2O^{+2}(-14)			MH^{+2}(-15)		a_7-H_2O(-53)	
797.3785	**814.4051**	**927.4812**	**1014.5000**						
y_7-NH_3(-46)	y_7(-45) a_8-H_2O(-50)	y_8(-48)	y_9(-57)						

[–] Main Sequence Ions

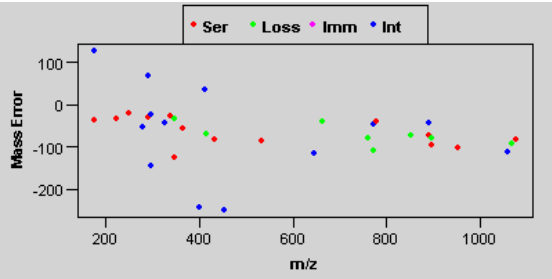
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1177.6212	589.3142
338.1347	3	S	9	1014.5578	507.7826
451.2187	4	L	8	927.5258	464.2665
579.2773	5	Q	7	814.4417	407.7245
650.3144	6	A	6	686.3832	343.6952
763.3985	7	I	5	615.3461	308.1767
860.4512	8	P	4	502.2620	251.6346
961.4989	9	T	3	405.2092	203.1083
1090.5415	10	E	2	304.1615	152.5844
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYNKVQLIAMDLPM(Oxidation)VSGDR^{+2}



Max Intensity: **43.8**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **71.1%** Matched Series Intensity: **60.2%**



Sequence: SYNKVQLIAMDLPM(Oxidation)VSGDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C92 H154 N25 O30 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
2154.3659	2153.0729	1077.6867	1077.0401

[–] Peak Matches

175.1124	202.0801	223.1003	251.0973	278.0985	290.1369	298.1690	326.1566	337.1414	347.1240
AM-28(128) y_1(-37)		a_2(-33)	b_2(-21)	YN(-54)	AMD-28(69) y_2(-31)	DLP-28(-24) LIA(-146)	DLP(-44)	a_3(-27)	b_3-H_2O(-32) y_3(-125)
365.1256	**393.1398**	**401.1601**	**407.1502**	**413.2001**	**416.1606**	**418.1905**	**424.1598**	**434.1637**	**452.1735**
b_3(-55)		LIAM-28(-244)		AMDL-H_2O(36) IAMD-H_2O(36) PM(Oxidation)VS-H_2O(36)	y_4-H_2O(-68)			y_4(-82)	KVQL-NH_3(-250)
532.2376	**533.2229**	**644.2697**	**661.2651**	**662.2658**	**759.2856**	**772.3012**	**777.3255**	**789.3312**	**850.8638**
	y_5(-84)	QLIAMD-28(-115)		y_6-H_2O(-41)	y_7-H_2O(-79)	MDLPM(Oxidation)VS-H_2O(-46) y_{14}-H_2O^{+2}(-107)	y_7(-39)		
851.3774	**888.3805**	**890.3739**	**894.8844**	**906.3629**	**951.8955**	**1059.4378**	**1067.9362**	**1076.4531**	**1076.9531**
b_{15}-H_2O^{+2}(-72)		AMDLPM(Oxidation)VSG-28(-42) y_8(-74)	b_{16}-H_2O^{+2}(-79) y_{16}^{+2}(-97)		y_{17}^{+2}(-102)	LIAMDLPM(Oxidation)VS-28(-113)	MH-H_2O^{+2}(-92)		MH^{+2}(-81)

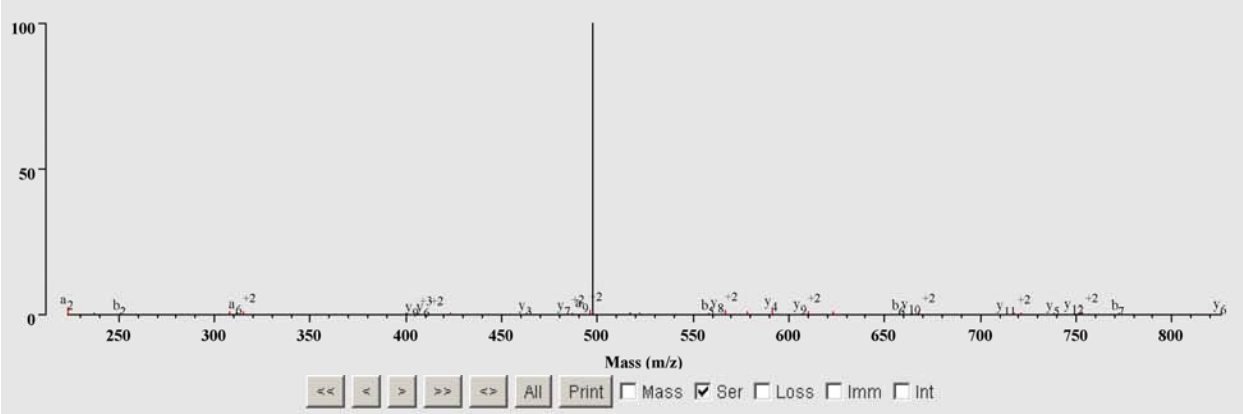
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	19	---	---
251.1026	---	2	Y	18	2066.0409	1033.5241
365.1456	---	3	N	17	1902.9776	951.9924
493.2405	247.1239	4	K	16	1788.9347	894.9710
592.3089	296.6581	5	V	15	1660.8397	830.9235
720.3675	360.6874	6	Q	14	1561.7713	781.3893
833.4516	417.2294	7	L	13	1433.7127	717.3600
946.5356	473.7715	8	I	12	1320.6286	660.8180
1017.5728	509.2900	9	A	11	1207.5446	604.2759
1148.6132	574.8103	10	M	10	1136.5075	568.7574
1263.6402	632.3237	11	D	9	1005.4670	503.2371
1376.7242	688.8658	12	L	8	890.4400	445.7237
1473.7770	737.3921	13	P	7	777.3560	389.1816
1620.8124	810.9098	14	M(Oxidation)	6	680.3032	340.6552
1719.8808	860.4441	15	V	5	533.2678	267.1375
1806.9129	903.9601	16	S	4	434.1994	217.6033

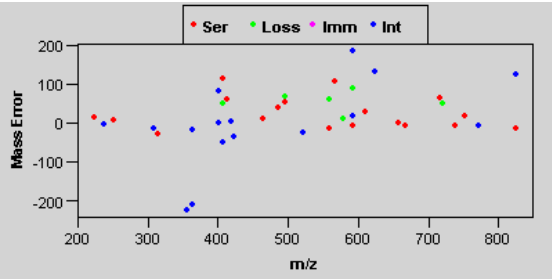
1863.9343	932.4708	17	**G**	3	347.1674	174.0873
1978.9613	989.9843	18	**D**	2	290.1459	145.5766
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVHAVDSC(Carbamidomethyl)M(Oxidation)SFQC(Carbamidomethyl)KR^{+4}



Max Intensity: **114**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **20.5%** Matched Series Intensity: **20.5%**



Sequence: SYVHAVDSC(Carbamidomethyl)M(Oxidation)SFQC(Carbamidomethyl)KR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C82 H128 N25 O27 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1991.7832	1990.8568	996.3953	995.9320	664.5993	664.2905	498.7014	498.4697

[–] Peak Matches

223.1110	237.1333	251.1042	288.1792	308.1669	311.1600	314.1558	315.1649	321.1217	347.1702
a_2(15)	VH(-5.5)	b_2(6.2)		HAV(-16) VHA(-16)			a_6^{+2}(-29)		
355.0814	**361.0617**	**363.0896**	**371.1837**	**380.1794**	**400.1973**	**407.2191**	**413.2305**	**419.1392**	**423.1834**
AVDS-H_2O(-225)		DSC(Carbamidomethyl)(-20) SFQ(-211)			QC(Carbamidomethyl)K-NH_3(81) YVH(-1.6)	y_9^{+3}(115) a_8-H_2O^{+2}(51) VHAV(-52)	y_6^{+2}(61)	FQC(Carbamidomethyl)-NH_3(2.0)	HAVD(-36)
463.2498	**486.7422**	**496.2457**	**497.2372**	**517.3008**	**522.2532**	**558.2593**	**566.7978**	**578.2620**	**591.2994**
y_3(11)	y_7^{+2}(39)	y_{12}-H_2O^{+3}(66) a_9^{+2}(54)			VHAVD(-27)	y_8-NH_3^{+2}(61) b_5(-14)	y_8^{+2}(105)	y_9-$SOCH_4^{+2}$(12)	VDSC(Carbamidomethyl)M(Oxidation)-H_2O(185) a_{15}-NH_3^{+3}(90) VHAVDS-H_2O(18) y_4(-6.3)
610.2717	**623.3794**	**657.3354**	**667.7629**	**717.3476**	**720.8564**	**738.3667**	**752.8348**	**772.3570**	**825.3923**
y_9^{+2}(28)	SFQC(Carbamidomethyl)K-28(132)	YVHAVD-28(-0.13) b_6(-0.13)	y_{10}^{+2}(-7.5)	y_{11}^{+2}(63)	y_{12}-$SOCH_4^{+2}$(48)	y_5(-6.6)	y_{12}^{+2}(19)	b_7(-7.0) YVHAVDS(-7.0)	VDSC(Carbamidomethyl)M(Oxidation)SF-H_2O(123) y_6(-14)

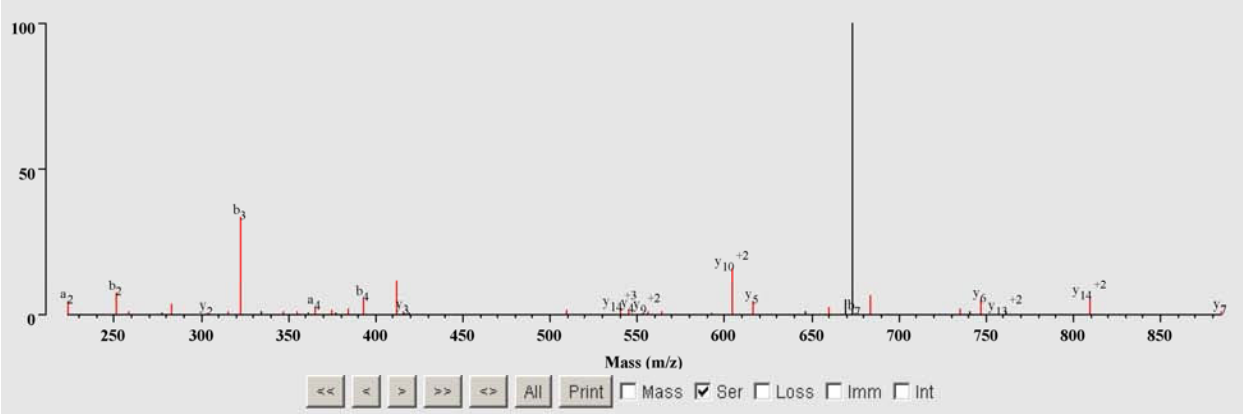
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1903.8248	952.4160
350.1710	---	3	V	14	1740.7615	870.8844
487.2300	244.1186	4	H	13	1641.6930	821.3502
558.2671	279.6372	5	A	12	1504.6341	752.8207
657.3355	329.1714	6	V	11	1433.5970	717.3021
772.3624	386.6849	7	D	10	1334.5286	667.7679
859.3945	430.2009	8	S	9	1219.5017	610.2545
1019.4251	510.2162	9	C(Carbamidomethyl)	8	1132.4696	566.7385
1166.4605	583.7339	10	M(Oxidation)	7	972.4390	486.7231
1253.4925	627.2499	11	S	6	825.4036	413.2054

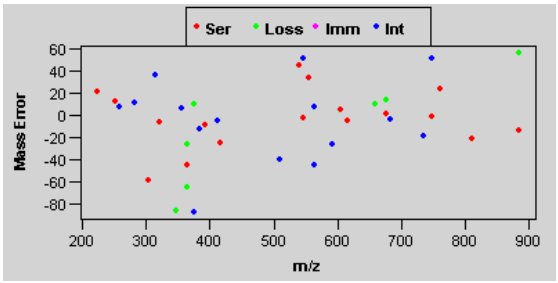
1400.5609	700.7841	12	**F**	5	738.3716	369.6894
1528.6195	764.8134	13	**Q**	4	591.3031	296.1552
1688.6502	844.8287	14	**C(Carbamidomethyl)**	3	463.2446	232.1259
1816.7451	908.8762	15	**K**	2	303.2139	152.1106
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAAPGQEPPEHMAELQR^{+3}



Max Intensity: **19.2**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **54.3%** Matched Series Intensity: **54.3%**



Sequence SYAAPGQEPPEHMAELQR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C86 H132 N25 O29 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2012.2218	2010.9338	1006.6146	1005.9705	671.4122	670.9828

[–] Peak Matches

223.1125	251.1057	258.1103	277.1186	283.1432	303.1595	315.1414	322.1378	334.1428	347.1412
a_2(21)	b_2(12)	QE(7.2)		PGQ(11)	y_2(-59)	GQE(36)	b_3(-6.0)		a_4-H_2O(-87)
355.1634	**361.0293**	**365.1650**	**375.1697**	**377.1689**	**384.1827**	**393.1732**	**412.1807**	**416.2511**	**419.1838**
QEP(6.2)		y_9-$NH_3$$^{+3}$(-27) a_4(-46) y_6-$H_2O$$^{+2}$(-66)	b_4-H_2O(9.1) YAAP-28(-88)		GQEP-28(-13) PGQE-28(-13)	b_4(-9.3)	PGQE(-4.8) GQEP(-4.8)	y_3(-25)	
509.2145	**540.2839**	**545.3029**	**555.7898**	**564.2341**	**592.2388**	**604.3005**	**616.3384**	**646.2968**	**659.8203**
PGQEP(-41) GQEPP(-41)	$y_{14}$$^{+3}$(45)	MAELQ-28(51) y_4(-2.4)	$y_9$$^{+2}$(33)	QEPPE-NH_3(7.2) HMAEL-H_2O(-46) PPEHM-28(-46)	PPEHM(-27)	$y_{10}$$^{+2}$(4.1)	y_5(-4.8)		y_{11}-$H_2O$$^{+2}$(9.5)
669.2826	**673.3341**	**675.3101**	**683.3154**	**735.3170**	**740.3150**	**747.3805**	**761.3771**	**809.8680**	**884.4282**
		a_{13}-$H_2O$$^{+2}$(14) b_7(0.64)	EHMAEL-28(-4.0)	PGQEPPE(-19)		GQEPPEH-28(51) y_6(-1.7)	$y_{13}$$^{+2}$(23)	$y_{14}$$^{+2}$(-22)	b_9-NH_3(56) y_7(-14)

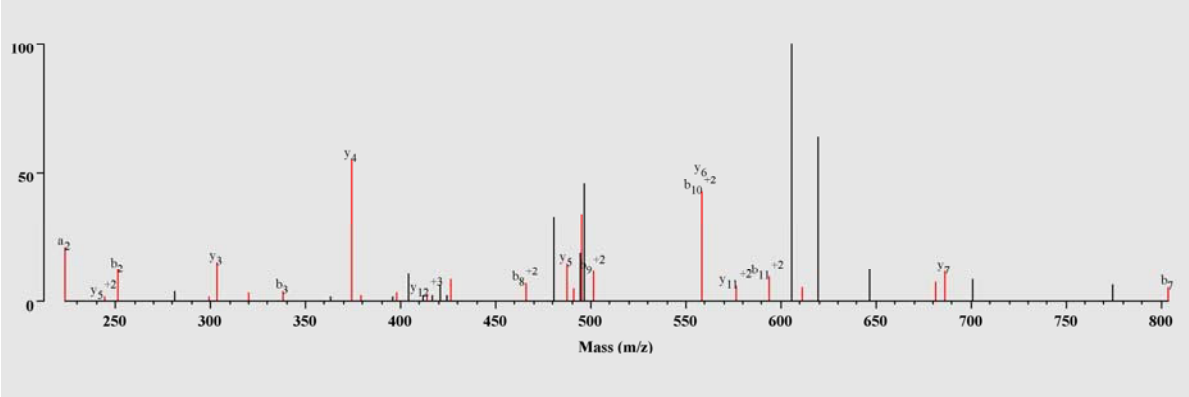
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	18	---	---
251.1026	---	2	**Y**	17	1923.9018	962.4545
322.1397	---	3	**A**	16	1760.8384	880.9229
393.1769	---	4	**A**	15	1689.8013	845.4043
490.2296	---	5	**P**	14	1618.7642	809.8857
547.2511	---	6	**G**	13	1521.7115	761.3594
675.3097	---	7	**Q**	12	1464.6900	732.8486
804.3523	---	8	**E**	11	1336.6314	668.8193
901.4050	---	9	**P**	10	1207.5888	604.2980
998.4578	---	10	**P**	9	1110.5361	555.7717
1127.5004	---	11	**E**	8	1013.4833	507.2453
1264.5593	632.7833	12	**H**	7	884.4407	442.7240
1395.5998	698.3035	13	**M**	6	747.3818	374.1945
1466.6369	733.8221	14	**A**	5	616.3413	308.6743
1595.6795	798.3434	15	**E**	4	545.3042	273.1557
1708.7635	854.8854	16	**L**	3	416.2616	208.6344

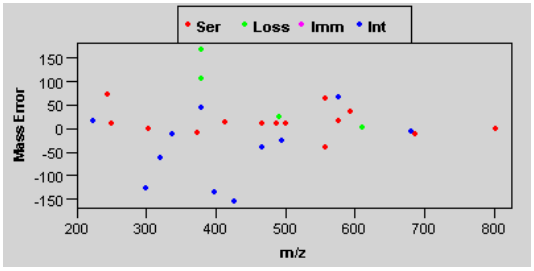
1836.8221	918.9147	17	**Q**	2	303.1775	152.0924
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSHQLQALAAGR^{+3}



Max Intensity: **13.4**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **47.7%** Matched Series Intensity: **47.3%**



Sequence SYSSHQLQALAAGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C63 H102 N21 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1489.6408	1488.7554	745.3241	744.8813	497.2185	496.9233

[–] Peak Matches

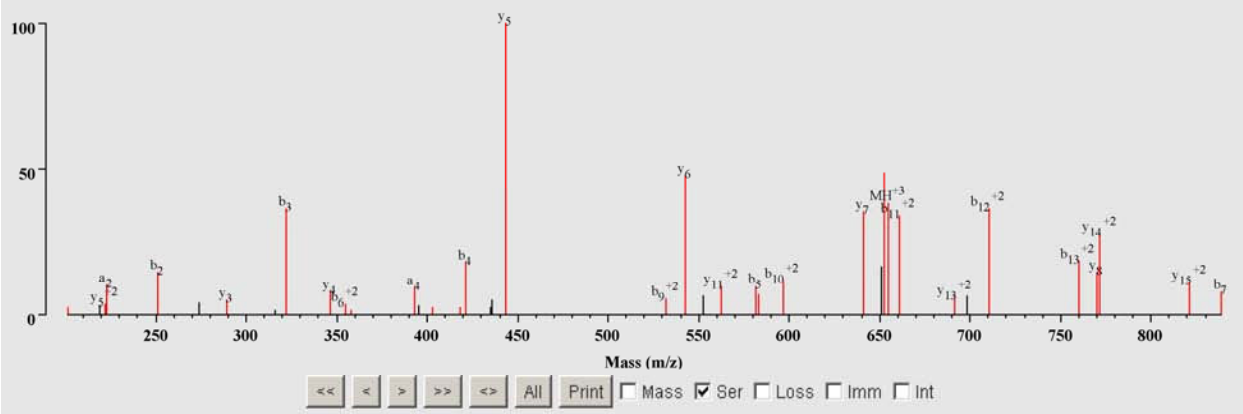
223.1110	244.1708	251.1057	281.1447	299.1696	303.1776	320.1041	338.1306	363.1781	374.2115
a_2(15) YS-28(15)	y_5^{+2}(73)	YS(12) b_2(12)		ALAA-28(-128)	y_3(0.23)	b_3-H_2O(-62) YSS-H_2O(-62)	b_3(-12) YSS(-12)		y_4(-8.4)
379.2250	**396.1008**	**398.2229**	**404.2311**	**411.5429**	**413.5635**	**416.8673**	**420.8986**	**424.5475**	**426.2049**
a_4-H_2O(168) a_7-H_2O^{+2}(105) HQL(43)		LQAL-28(-134)			y_{12}^{+3}(13)				LQAL(-155)
466.2228	**480.7840**	**487.3041**	**490.9318**	**494.7771**	**495.2435**	**496.6147**	**501.7408**	**558.3130**	**576.3267**
b_8^{+2}(12) SHQL(-39)		y_5(11)	MH-H_2O^{+3}(24)		QALAAG-NH_3(-26)		b_9^{+2}(10)	b_{10}^{+2}(63) y_6(-41)	SHQLQ-H_2O(66) y_{11}^{+2}(16)
593.8177	**605.8278**	**611.3221**	**619.3425**	**646.3738**	**681.3276**	**686.3869**	**700.8775**	**774.4207**	**803.3679**
b_{11}^{+2}(36)		y_{12}-NH_3^{+2}(2.8)			SSHQLQ(-5.7)	y_7(-11)			b_7(-0.43)

[–] Main Sequence Ions

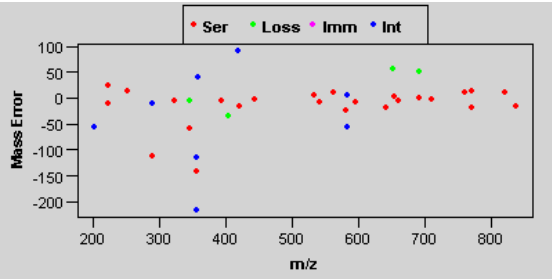
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1401.7233	701.3653
338.1347	---	3	S	12	1238.6600	619.8336
425.1667	---	4	S	11	1151.6280	576.3176
562.2256	281.6164	5	H	10	1064.5960	532.8016
690.2842	345.6457	6	Q	9	927.5370	464.2722
803.3682	402.1878	7	L	8	799.4785	400.2429
931.4268	466.2170	8	Q	7	686.3944	343.7008
1002.4639	501.7356	9	A	6	558.3358	279.6715
1115.5480	558.2776	10	L	5	487.2987	244.1530
1186.5851	593.7962	11	A	4	374.2146	187.6110
1257.6222	629.3148	12	A	3	303.1775	152.0924
1314.6437	657.8255	13	G	2	232.1404	116.5738
---	---	14	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVC(Carbamidomethyl)KEPQEEVVPGGGR^{+3}



Max Intensity: **7.92**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **92.4%** Matched Series Intensity: **91.9%**



Sequence: SYAVC(Carbamidomethyl)KEPQEEVVPGGGR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C83 H133 N24 O29 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1963.0244	1961.9386	982.0159	981.4729	655.0131	654.6510

[–] Peak Matches

201.1119	219.1307	222.1267	223.1054	251.1057	274.0797	289.1296	316.0780	322.1378	346.1631
EV-28(-57)		y_5^{+2}(23)	a_2(-10)	b_2(12)		C(Carbamidomethyl)K(-11) y_3(-112)		b_3(-6.0)	b_6-H_2O^{+2}(-6.2) y_4(-58)
355.1206	**358.1755**	**393.2108**	**395.1651**	**403.1832**	**418.2135**	**421.2016**	**435.1718**	**436.1695**	**443.2352**
PQE(-114) EPQ(-114) b_6^{+2}(-141) KEP(-217)	EEV(41)	a_4(-6.2)		b_4-H_2O(-36)	C(Carbamidomethyl)KE(91)	b_4(-16)			y_5(-2.0)
532.2507	**542.2995**	**552.6056**	**562.7938**	**581.2248**	**583.2757**	**596.7644**	**641.3614**	**651.3329**	**652.3217**
b_9^{+2}(6.0)	y_6(-9.2)		y_{11}^{+2}(9.6)	b_5(-24)	PQEEV(6.0) EEVVPG-28(-56)	b_{10}^{+2}(-7.4)	y_7(-18)		b_{11}-H_2O^{+2}(57)
654.6518	**661.2872**	**691.3579**	**698.3289**	**710.8227**	**760.3667**	**770.4011**	**771.3818**	**820.9142**	**838.3623**
MH^{+3}(1.2)	b_{11}^{+2}(-4.4)	b_6-H_2O(50) y_{13}^{+2}(1.1)		b_{12}^{+2}(-2.3)	b_{13}^{+2}(11)	y_8(-19)	y_{14}^{+2}(12)	y_{15}^{+2}(9.2)	b_7(-17)

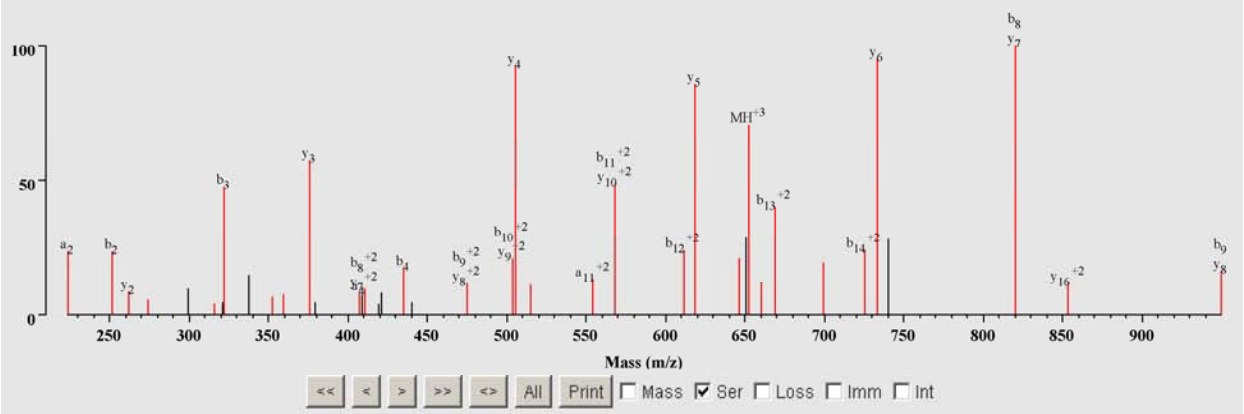
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	18	---	---
251.1026	---	2	**Y**	17	1874.9065	937.9569
322.1397	---	3	**A**	16	1711.8432	856.4252
421.2082	---	4	**V**	15	1640.8061	820.9067
581.2388	---	5	**C(Carbamidomethyl)**	14	1541.7377	771.3725
709.3338	355.1705	6	**K**	13	1381.7070	691.3571
838.3764	419.6918	7	**E**	12	1253.6121	627.3097
935.4291	468.2182	8	**P**	11	1124.5695	562.7884
1063.4877	532.2475	9	**Q**	10	1027.5167	514.2620
1192.5303	596.7688	10	**E**	9	899.4581	450.2327
1321.5729	661.2901	11	**E**	8	770.4155	385.7114
1420.6413	710.8243	12	**V**	7	641.3729	321.1901
1519.7097	760.3585	13	**V**	6	542.3045	271.6559
1616.7625	808.8849	14	**P**	5	443.2361	222.1217
1673.7839	837.3956	15	**G**	4	346.1833	173.5953
1730.8054	865.9063	16	**G**	3	289.1619	145.0846

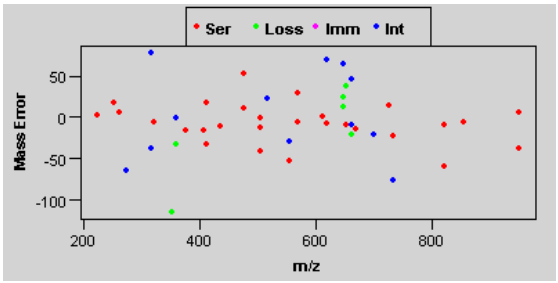
1787.8269	894.4171	17	**G**	2	232.1404	116.5738
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAIKADAEGESDLENSR^{+3}



Max Intensity: **3.45**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **89.3%** Matched Series Intensity: **88.3%**



Sequence SYAIKADAEGESDLENSR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C80 H128 N23 O34

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1956.0423	1954.8989	978.5248	977.9531	652.6857	652.3045

[–] Peak Matches

223.1082	251.1072	262.1527	274.0859	299.1598	316.1386	321.1210	322.1378	337.1028	352.1517
a_2(2.2)	b_2(18)	y_2(6.6)	GES(-64)		EGE(78) DAE(78) SDL(-37)		b_3(-6.0)		a_7-H_2O^{+2}(-115)
359.1560	**376.1879**	**379.2010**	**407.2225**	**409.1692**	**410.7004**	**419.1392**	**421.2016**	**435.2192**	**440.2651**
AEGE-28(-0.35) ADAE-28(-0.35) y_3-NH_3(-32)	y_3(-16)		a_4(-16)		y_7^{+2}(17) b_8^{+2}(-32)			b_4(-11)	
475.2401	**503.7251**	**505.2303**	**515.2576**	**554.2400**	**568.2635**	**611.7832**	**618.3158**	**646.3089**	**650.2974**
y_8^{+2}(53) b_9^{+2}(11)	y_9^{+2}(-0.66) b_{10}^{+2}(-41)	y_4(-12)	KADAE(23)	KADAEG-H_2O(-30) a_{11}^{+2}(-53)	y_{10}^{+2}(30) b_{11}^{+2}(-6.0)	b_{12}^{+2}(0.41)	SDLENS-28(69) y_5(-7.8)	SDLENS(64) a_{13}-H_2O^{+2}(24) MH-H_2O^{+3}(12)	
652.2979	**660.2775**	**669.2865**	**699.3523**	**725.8490**	**733.3317**	**740.4026**	**820.3716**	**852.9005**	**949.4278**
y_{12}-H_2O^{+2}(37) MH^{+3}(-10)	ADAEGES(46) ESDLEN-28(-9.1) b_{13}-H_2O^{+2}(-21)	b_{13}^{+2}(-15)	AIKADAE(-21)	b_{14}^{+2}(15)	y_6(-22) YAIKADA(-77)		y_7(-9.6) b_8(-59)	y_{16}^{+2}(-5.7)	y_8(5.9) b_9(-37)

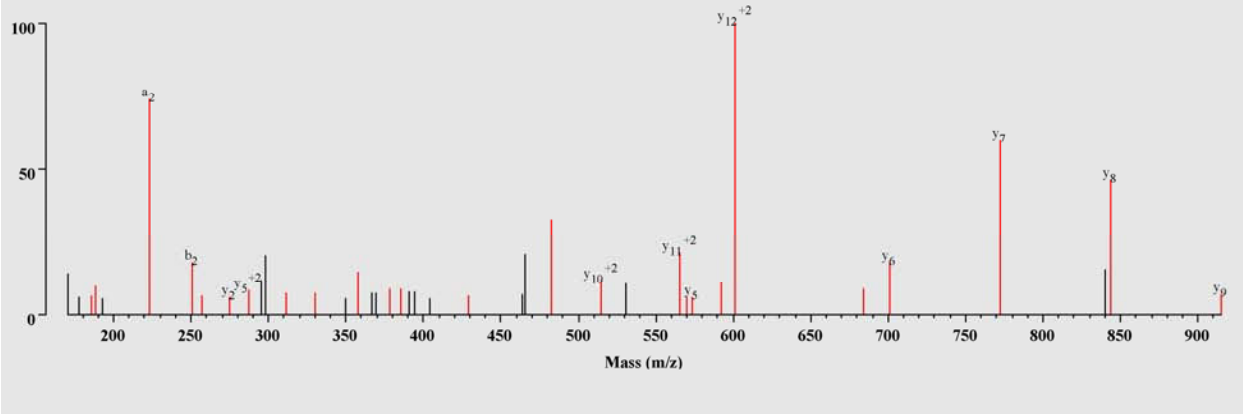
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	18 ---	---
251.1026	---	2	Y	17 1867.8668	934.4371
322.1397	---	3	A	16 1704.8035	852.9054
435.2238	---	4	I	15 1633.7664	817.3868
563.3188	282.1630	5	K	14 1520.6823	760.8448
634.3559	317.6816	6	A	13 1392.5874	696.7973
749.3828	375.1951	7	D	12 1321.5502	661.2788
820.4199	410.7136	8	A	11 1206.5233	603.7653
949.4625	475.2349	9	E	10 1135.4862	568.2467
1006.4840	503.7456	10	G	9 1006.4436	503.7254
1135.5266	568.2669	11	E	8 949.4221	475.2147
1222.5586	611.7829	12	S	7 820.3795	410.6934
1337.5856	669.2964	13	D	6 733.3475	367.1774
1450.6696	725.8385	14	L	5 618.3206	309.6639
1579.7122	790.3597	15	E	4 505.2365	253.1219

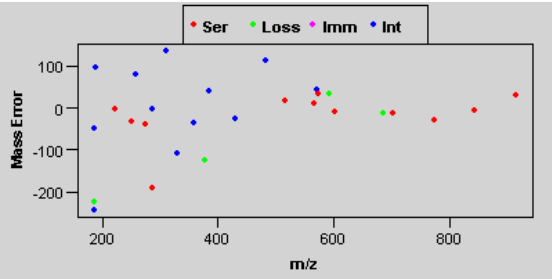
1693.7552	847.3812	16	**N**	3	376.1939	188.6006
1780.7872	890.8972	17	**S**	2	262.1510	131.5791
---	---	18	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATNAAAQNAIKK^{+3}



Max Intensity: **4.51**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **77.0%** Matched Series Intensity: **77.0%**



Sequence SYATNAAAQNAIKK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C62 H104 N19 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1451.6322	1450.7649	726.3198	725.8861	484.5490	484.2598

[–] Peak Matches

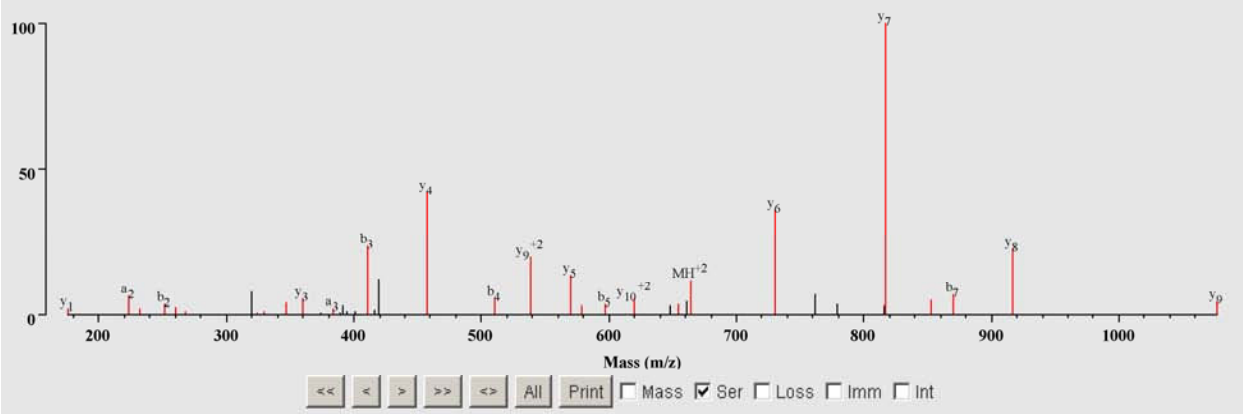
170.1147	**178.0809**	**186.0782**	**188.1212**	**193.0933**	**223.1074**	**251.0943**	**257.1447**	**275.1970**	**287.1346**
		NA(-49) y_5-NH_3^{+3}(-224) AAA-28(-244)	TN-28(97)		a_2(-1.4)	b_2(-33)	NAA(79)	y_2(-39)	ATN(-1.4) TNA(-1.4) y_5^{+2}(-191)
295.1580	**298.1282**	**311.1772**	**330.1413**	**350.0788**	**358.1597**	**367.1250**	**369.1918**	**378.1773**	**385.1986**
		NAAA-NH_3(136)	ATNA-28(-109) TNAA-28(-109)		ATNA(-35) TNAA(-35)			y_7-NH_3^{+2}(-124)	AAQN(40) AQNA(40)
391.2073	**394.1670**	**404.2143**	**429.1981**	**464.3182**	**465.2875**	**482.2900**	**514.8045**	**530.7276**	**565.3250**
			TNAAA(-26) ATNAA(-26)			ATNAAA-H_2O(112)	y_{10}^{+2}(17)		y_{11}^{+2}(9.1)
570.2870	**573.3901**	**591.8541**	**600.8315**	**684.3943**	**701.4210**	**772.4459**	**840.3771**	**843.4998**	**914.5682**
NAAAQN(42)	y_5(32)	y_{12}-H_2O^{+2}(35)	y_{12}^{+2}(-11)	y_6-NH_3(-14)	y_6(-13)	y_7(-28)		y_8(-5.8)	y_9(29)

[–] Main Sequence Ions

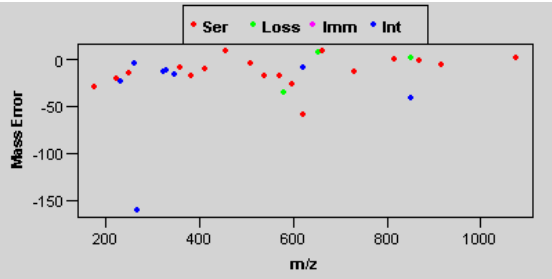
b	b^{+2}			y	y^{+2}
---	---	1	**S** 14	---	---
251.1026	---	2	**Y** 13	1363.7328	682.3701
322.1397	---	3	**A** 12	1200.6695	600.8384
423.1874	---	4	**T** 11	1129.6324	565.3198
537.2304	---	5	**N** 10	1028.5847	514.7960
608.2675	---	6	**A** 9	914.5418	457.7745
679.3046	---	7	**A** 8	843.5047	422.2560
750.3417	---	8	**A** 7	772.4676	386.7374
878.4003	---	9	**Q** 6	701.4304	351.2189
992.4432	---	10	**N** 5	573.3719	287.1896
1063.4803	---	11	**A** 4	459.3289	230.1681
1176.5644	---	12	**I** 3	388.2918	194.6496
1304.6593	652.8333	13	**K** 2	275.2078	138.1075
---	---	14	**K** 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)VSC(Carbamidomethyl)LPGQR^{+2}



Max Intensity: **23.7**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **87.2%** Matched Series Intensity: **86.6%**



Sequence: SYC(Carbamidomethyl)VSC(Carbamidomethyl)LPGQR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C54 H88 N17 O18 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1327.2024	1326.5929	664.1049	663.8001

[–] Peak Matches

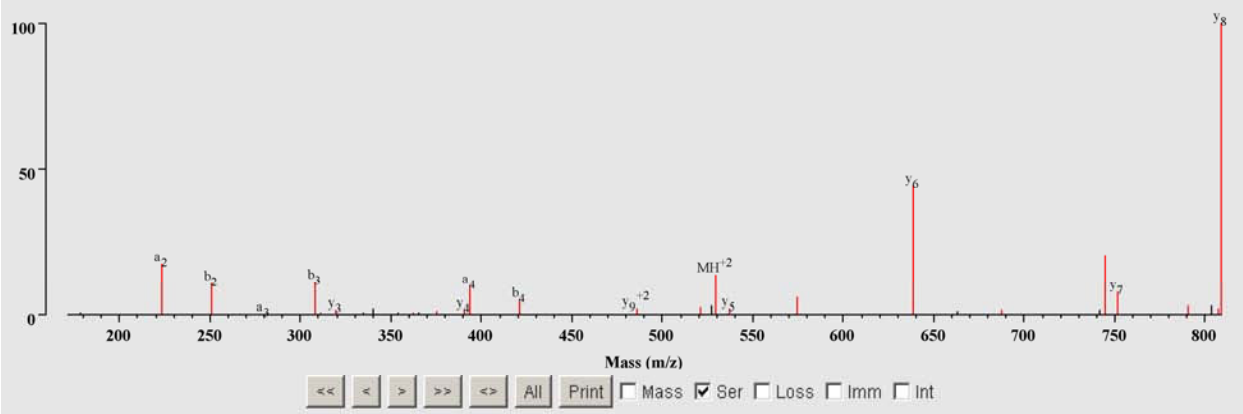
175.1137	223.1031	232.1060	251.0988	260.1053	268.1223	320.1198	324.0966	329.1239	347.1328
y_1(-30)	a_2(-21)	C(Carbamidomethyl)V-28(-23)	b_2(-15)	C(Carbamidomethyl)V(-4.0)	LPG(-161)		YC(Carbamidomethyl)(-14)	VSC(Carbamidomethyl)-H_2O(-12) C(Carbamidomethyl)VS-H_2O(-12)	VSC(Carbamidomethyl)(-16) C(Carbamidomethyl)VS(-16)
360.1957	**374.1496**	**383.1319**	**389.1712**	**391.1885**	**394.1482**	**401.1942**	**411.1286**	**416.1857**	**419.1899**
y_3(-9.1)		a_3(-17)					b_3(-11)		
457.2557	**510.1997**	**538.7428**	**570.3254**	**579.2024**	**597.2176**	**620.2472**	**648.2255**	**654.7993**	**661.3186**
y_4(8.6)	YC(Carbamidomethyl)VS(-3.9) b_4(-3.9)	y_9^{+2}(-18)	y_5(-18)	b_5-H_2O(-36)	b_5(-27)	C(Carbamidomethyl)VSC(Carbamidomethyl)L(-9.5) y_{10}^{+2}(-59)		MH-H_2O^{+2}(6.9)	
663.8061	**730.3559**	**761.3244**	**779.3298**	**815.4203**	**817.3988**	**852.3388**	**870.3476**	**916.4612**	**1076.4997**
MH^{+2}(9.0)	y_6(-14)				y_7(0.42)	b_7-H_2O(1.1) YC(Carbamidomethyl)VSC(Carbamidomethyl)LP-28(-42)	b_7(-0.96)	y_8(-6.2)	y_9(2.0)

[–] Main Sequence Ions

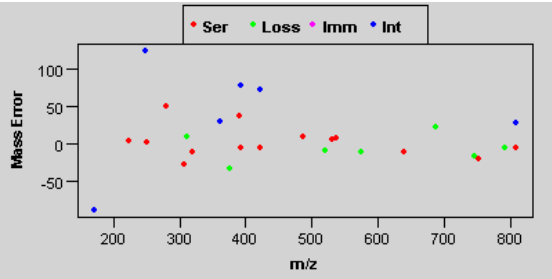
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1239.5609	620.2841
411.1333	3	C(Carbamidomethyl)	9	1076.4976	538.7524
510.2017	4	V	8	916.4669	458.7371
597.2337	5	S	7	817.3985	409.2029
757.2644	6	C(Carbamidomethyl)	6	730.3665	365.6869
870.3484	7	L	5	570.3358	285.6715
967.4012	8	P	4	457.2518	229.1295
1024.4227	9	G	3	360.1990	180.6031
1152.4812	10	Q	2	303.1775	152.0924
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGITM(Oxidation)ATAK^{+2}



Max Intensity: **16.7**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **94.5%** Matched Series Intensity: **94.1%**



Sequence SYGITM(Oxidation)ATAK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C45 H76 N11 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1059.0720	1058.5187	530.0397	529.7630

[–] Peak Matches

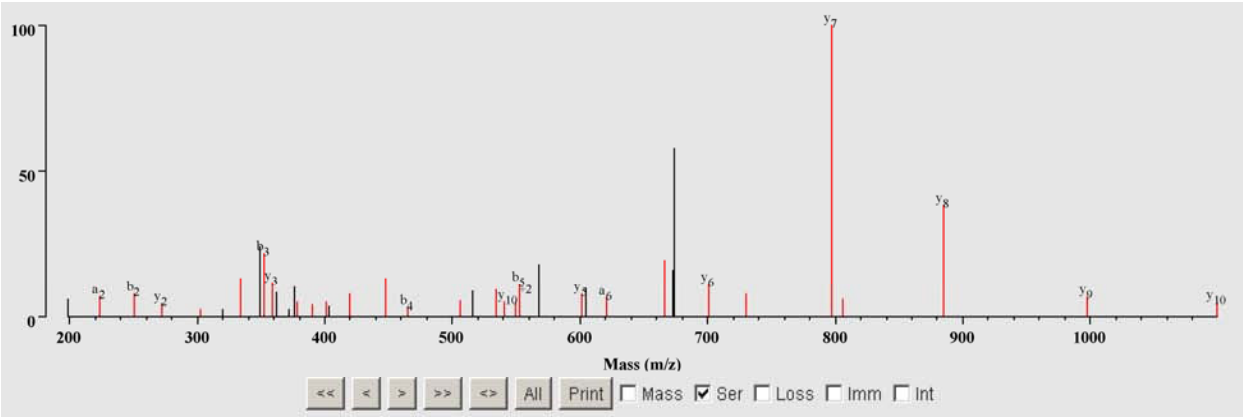
171.0976	178.0847	223.1088	249.1214	251.1033	280.1431	288.1331	308.1159	311.1521	319.1942
GI(-89)		a_2(4.8)	TM(Oxidation)(125)	b_2(2.7)	a_3(50)		b_3(-27)	y_6-NH_3^{+2}(9.1)	y_3(-11)
323.1669	**335.1354**	**337.1380**	**340.1583**	**346.1442**	**354.1834**	**362.1853**	**365.1165**	**368.1540**	**371.0820**
						ITM(Oxidation)(30)			
375.1903	**390.2493**	**393.2111**	**421.2058**	**486.2517**	**520.7532**	**527.2901**	**529.7664**	**537.2740**	**574.3129**
a_4-H_2O(-33)	y_4(37)	TM(Oxidation)AT-28(79) a_4(-5.5)	TM(Oxidation)AT(73) b_4(-5.6)	y_9^{+2}(9.7)	MH-H_2O^{+2}(-8.6)		MH^{+2}(6.5)	y_5(7.2)	y_6-$SOCH_4$(-11)
638.3110	**663.2917**	**687.4185**	**741.3270**	**744.4124**	**751.3859**	**790.4085**	**803.4049**	**807.3938**	**808.4189**
y_6(-11)		y_7-$SOCH_4$(22)		y_8-$SOCH_4$(-17)	y_7(-21)	y_8-H_2O(-5.4)		YGITM(Oxidation)ATA-H_2O(29)	y_8(-5.5)

[–] Main Sequence Ions

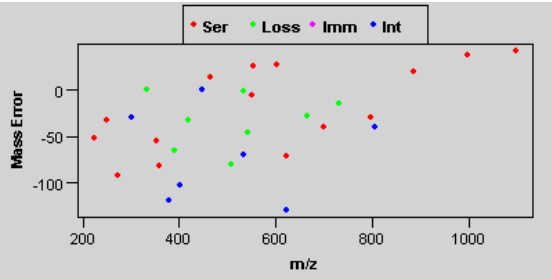
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	971.4866	486.2470
308.1241	3	G	8	808.4233	404.7153
421.2082	4	I	7	751.4019	376.2046
522.2558	5	T	6	638.3178	319.6625
669.2912	6	M(Oxidation)	5	537.2701	269.1387
740.3284	7	A	4	390.2347	195.6210
841.3760	8	T	3	319.1976	160.1024
912.4131	9	A	2	218.1499	109.5786
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTLSPVLESPR^{+2}



Max Intensity: **3.18**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **67.7%** Matched Series Intensity: **66.4%**



Sequence SYTLSPVLESPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H98 N15 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1349.5358	1348.7107	675.2716	674.8590

[–] **Peak Matches**

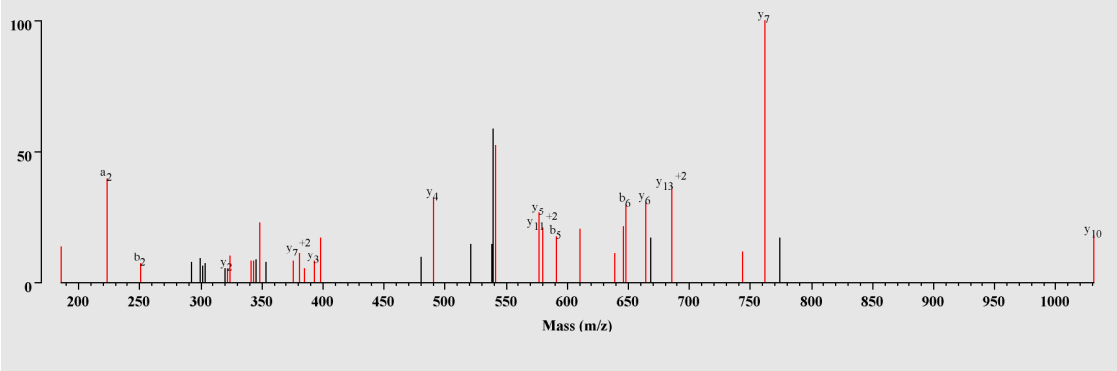
198.1463	223.0961	251.0943	272.1468	302.1621	320.1317	334.1398	349.1143	352.1308	359.1743
	a_2(-52)	b_2(-33)	y_2(-92)	TLS(-30) LES-28(-30)		b_3-H_2O(0.16)		b_3(-55)	y_3(-82)
362.1817	**372.2042**	**376.2085**	**378.1570**	**390.1988**	**401.1980**	**403.1759**	**419.2151**	**447.2238**	**465.2405**
			YTL(-120)	y_7-H_2O^{+2}(-65)	VLES-28(-103)		a_4-H_2O(-33)	b_4-H_2O(-0.025) YTLS-H_2O(-0.025)	YTLS(13) b_4(13)
506.2202	**516.2465**	**534.2550**	**540.7813**	**549.8079**	**552.2808**	**567.2847**	**601.3467**	**604.2934**	**621.2801**
a_5-H_2O(-80)		b_5-H_2O(-1.6) YTLSP-28(-70)	y_{10}-H_2O^{+2}(-46)	y_{10}^{+2}(-6.2)	b_5(26)		y_5(27)		a_6(-71) LSPVLE-H_2O(-130)
665.8342	**672.3394**	**673.3411**	**700.3711**	**730.3662**	**797.4278**	**805.4129**	**884.5009**	**997.6050**	**1098.6618**
MH-H_2O^{+2}(-29)			y_6(-40)	b_7-H_2O(-15)	y_7(-30)	LSPVLESP-H_2O(-40)	y_8(20)	y_9(37)	y_{10}(42)

[–] **Main Sequence Ions**

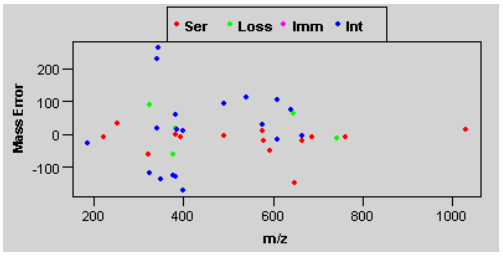
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1261.6787	631.3430
352.1503	3	T	10	1098.6154	549.8113
465.2344	4	L	9	997.5677	499.2875
552.2664	5	S	8	884.4836	442.7454
649.3192	6	P	7	797.4516	399.2294
748.3876	7	V	6	700.3988	350.7030
861.4716	8	L	5	601.3304	301.1688
990.5142	9	E	4	488.2463	244.6268
1077.5463	10	S	3	359.2037	180.1055
1174.5990	11	P	2	272.1717	136.5895
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLVKGPDPSSPAFR^{+3}



Max Intensity: **4.04**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **76.3%** Matched Series Intensity: **76.3%**



Sequence SYLVKGPDPSSPAFR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H114 N19 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1621.8446	1620.8380	811.4260	810.9227	541.2865	540.9509

[–] **Peak Matches**

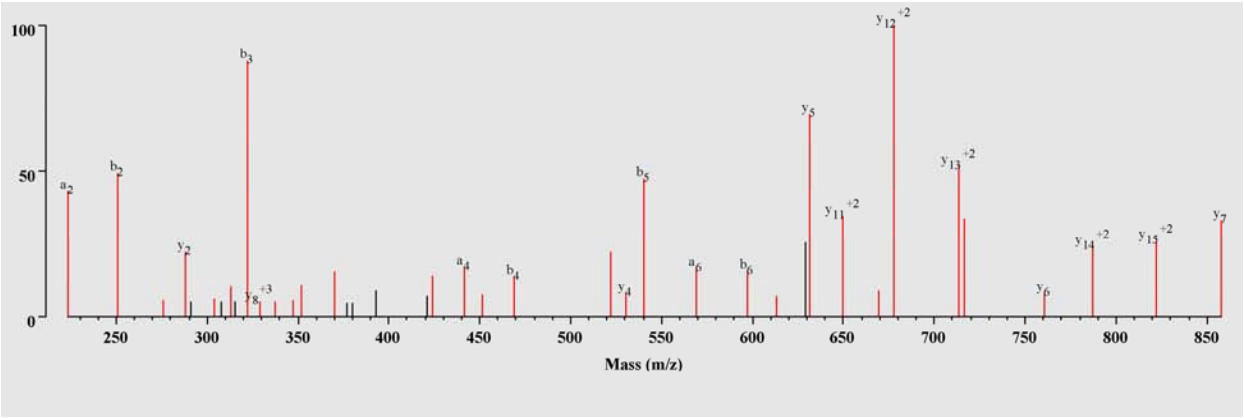
185.1600	223.1060	251.1108	292.2171	299.0588	301.0542	303.2160	320.1469	322.1672	324.1903
LV-28(-26)	a_2(-7.7)	b_2(33)						y_2(-63)	y_6-NH_3^{+2}(90) LVK-NH_3(-117)
341.2607	**343.2517**	**345.2464**	**348.1811**	**353.2044**	**376.1754**	**381.2001**	**385.1930**	**393.2205**	**398.2082**
PSSP-28(231) LVK(18)	SSPA(264)		YLV-28(-135)		y_3-NH_3(-60) YLV(-127)	KGPD-NH_3(61) y_{11}-NH_3^{+3}(19) y_7^{+2}(-1.5) LVKG-NH_3(-130)	SPAF-H_2O(15)	y_3(-10)	KGPD(12) LVKG(-171)
480.7842	**490.2757**	**521.3473**	**538.3188**	**539.3009**	**541.2854**	**577.3155**	**579.7880**	**591.3200**	**610.3464**
	SSPAF(94) y_4(-3.1)				GPDPSS(111)	VKGPDP-NH_3(30) y_5(11)	y_{11}^{+2}(-19)	b_5(-51)	GPDPSSP-28(104) LVKGPD(-16)
638.3253	**646.3712**	**648.2761**	**664.3281**	**668.3546**	**685.8684**	**743.3747**	**761.3882**	**774.4518**	**1030.5089**
GPDPSSP(74)	y_6-H_2O(63)	b_6(-147)	VKGPDPS-NH_3(-3.0) y_6(-20)		y_{13}^{+2}(-9.6)	y_7-H_2O(-12)	y_7(-7.6)		y_{10}(13)

[–] **Main Sequence Ions**

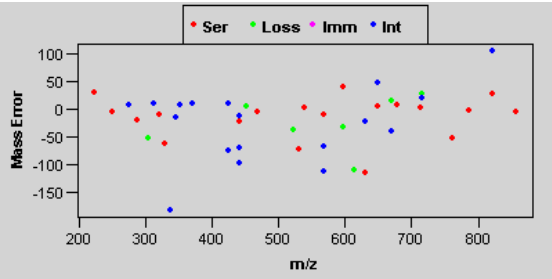
b	b^{+2}			y	y^{+2}
---	---	1	S 15	---	---
251.1026	---	2	Y 14	1533.8060	767.4066
364.1867	---	3	L 13	1370.7427	685.8750
463.2551	---	4	V 12	1257.6586	629.3329
591.3501	296.1787	5	K 11	1158.5902	579.7987
648.3715	324.6894	6	G 10	1030.4952	515.7513
745.4243	373.2158	7	P 9	973.4738	487.2405
860.4512	430.7293	8	D 8	876.4210	438.7141
957.5040	479.2556	9	P 7	761.3941	381.2007
1044.5360	522.7717	10	S 6	664.3413	332.6743
1131.5681	566.2877	11	S 5	577.3093	289.1583
1228.6208	614.8141	12	P 4	490.2772	245.6423
1299.6579	650.3326	13	A 3	393.2245	197.1159
1446.7264	723.8668	14	F 2	322.1874	161.5973
---	---	15	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAFAGPSQKPETIELR^{+3}



Max Intensity: **2.01**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **92.7%** Matched Series Intensity: **92.7%**



Sequence SYAFAGPSQKPETIELR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C85 H133 N22 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1895.1354	1893.9705	948.0714	947.4889	632.3834	631.9950

[–] Peak Matches

223.1139	251.1012	276.1363	288.1969	291.1530	304.1128	308.1204	313.1534	315.1884	322.1361
a_2(28)	b_2(-5.7)	a_3-H_2O(7.4) FAG(7.4)	y_2(-21)		b_3-H_2O(-54)		PSQ(8.8) AGPS(8.8)		b_3(-11)
329.1733	**337.1254**	**347.1659**	**352.1641**	**370.1759**	**377.1689**	**380.1970**	**393.1901**	**421.2113**	**424.1868**
y_8^{+3}(-63)	QKP-NH_3(-183) KPE-H_2O(-183)	AFAG(-16)	GPSQ-H_2O(7.3)	GPSQ(10)					AGPSQ-NH_3(9.7) SQKP-NH_3(-76) PSQK-NH_3(-76)
441.2030	**451.1997**	**469.2053**	**522.2142**	**530.2915**	**540.2465**	**569.2658**	**597.2894**	**613.2988**	**629.3110**
AGPSQ(-14) a_4(-23) PETI(-71) PSQK(-97) SQKP(-97)	b_4-H_2O(4.7)	b_4(-6.1)	b_5-H_2O(-39)	y_4(-72)	b_5(2.3)	a_6(-11) AGPSQK(-67) KPETI(-112)	b_6(38) y_{16}-NH_3^{+3}(-33)	y_5-H_2O(-111)	
631.3047	**649.3612**	**669.3659**	**677.8737**	**713.3893**	**716.3857**	**760.3798**	**786.9190**	**822.4634**	**857.4677**
AFAGPSQ-28(-24) y_5(-115)	AGPSQKP-NH_3(47) PSQKPE-H_2O(47) y_{11}^{+2}(3.1)	y_{12}-NH_3^{+2}(14) QKPETI-28(-40)	y_{12}^{+2}(5.7)	y_{13}^{+2}(1.2)	a_{14}-H_2O^{+2}(26) FAGPSQK(18)	y_6(-53)	y_{14}^{+2}(-4.6)	YAFAGPSQ(104) y_{15}^{+2}(27)	y_7(-5.8)

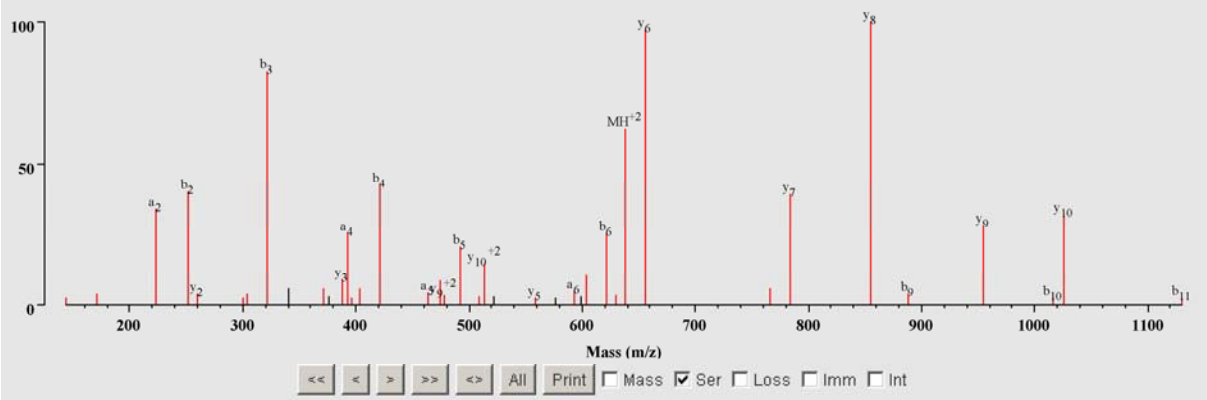
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	**S** 17	---	---
251.1026	---	2	**Y** 16	1806.9385	903.9729
322.1397	---	3	**A** 15	1643.8751	822.4412
469.2082	---	4	**F** 14	1572.8380	786.9227
540.2453	---	5	**A** 13	1425.7696	713.3884
597.2667	---	6	**G** 12	1354.7325	677.8699
694.3195	---	7	**P** 11	1297.7110	649.3592
781.3515	---	8	**S** 10	1200.6583	600.8328
909.4101	---	9	**Q** 9	1113.6262	557.3168
1037.5051	519.2562	10	**K** 8	985.5677	493.2875
1134.5578	567.7826	11	**P** 7	857.4727	429.2400
1263.6004	632.3039	12	**E** 6	760.4199	380.7136
1364.6481	682.8277	13	**T** 5	631.3774	316.1923

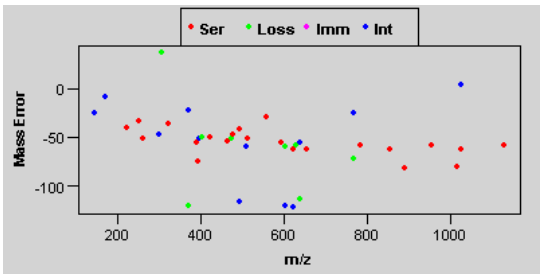
1477.7322	739.3697	14	**I**	4	530.3297	265.6685
1606.7748	803.8910	15	**E**	3	417.2456	209.1264
1719.8588	860.4331	16	**L**	2	288.2030	144.6051
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVAEPGIQLK^{+2}



Max Intensity: **81.7**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.6%** Matched Series Intensity: **97.4%**



Sequence SYAVAEPGIQLK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C58 H95 N14 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1276.4842	1275.6943	638.7458	638.3508

[–] **Peak Matches**

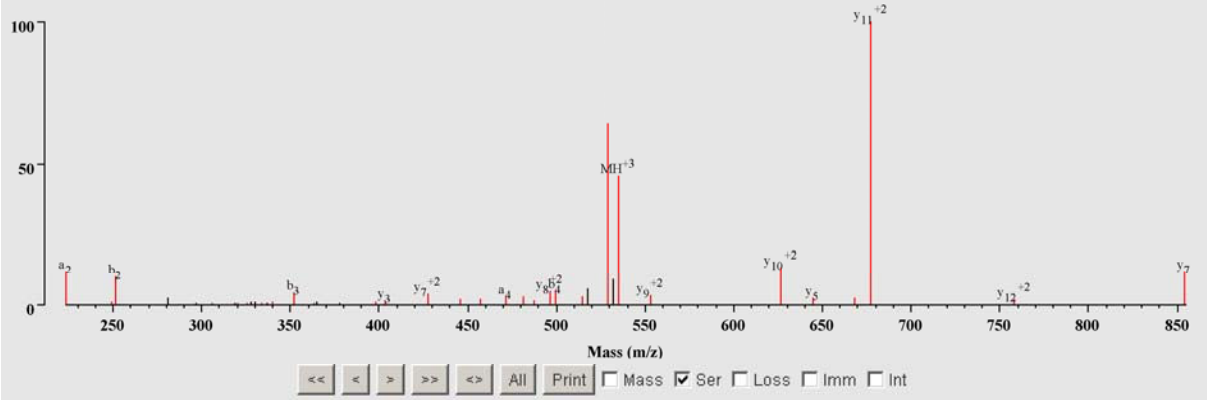
143.1143	171.1114	223.0985	251.0944	260.1835	300.1414	304.1404	322.1280	340.1906	371.1843
AV-28(-25) GI-28(-25) VA-28(-25)	AV(-8.2) GI(-8.2) VA(-8.2)	a_2(-41)	b_2(-33)	y_2(-51)	VAE(-47)	b_3-H_2O(37)	b_3(-36)		AVAE(-22) y_3-NH_3(-120)
376.1823	**388.2341**	**393.1838**	**396.2034**	**403.1773**	**421.1872**	**464.2253**	**474.2107**	**477.7621**	**492.2246**
	y_3(-55)	a_4(-75)	PGIQ(-52)	b_4-H_2O(-50)	b_4(-50)	a_5(-54)	b_5-H_2O(-51)	y_9^{+2}(-47)	b_5(-42) PGIQL-NH_3(-116)
509.2775	**513.2770**	**522.1941**	**558.3441**	**576.2342**	**593.2602**	**599.2848**	**603.2414**	**621.2485**	**629.3088**
PGIQL(-60)	y_{10}^{+2}(-51)		y_5(-30)		a_6(-55)		b_6-H_2O(-60) YAVAEP-28(-120)	b_6(-63) EPGIQL-NH_3(-122)	MH-H_2O^{+2}(-58)
638.3148	**655.3725**	**766.3904**	**784.4103**	**855.4392**	**888.3736**	**954.5056**	**1016.4234**	**1025.5346**	**1129.5217**
EPGIQL(-56) MH^{+2}(-56) AVAEPGI(-56) y_6-NH_3(-113)	y_6(-63)	AVAEPGIQ(-25) y_7-H_2O(-72)	y_7(-59)	y_8(-63)	b_9(-82)	y_9(-59)	b_{10}(-80)	YAVAEPGIQL-NH_3(4.3) y_{10}(-63)	b_{11}(-59)

[–] **Main Sequence Ions**

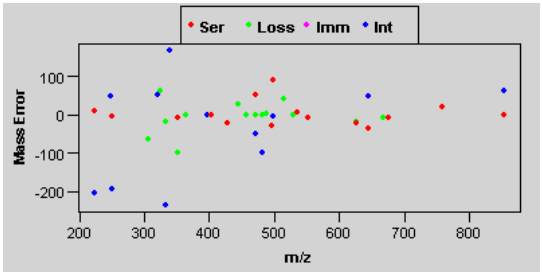
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1188.6623	594.8348
322.1397	3	A	10	1025.5990	513.3031
421.2082	4	V	9	954.5619	477.7846
492.2453	5	A	8	855.4934	428.2504
621.2879	6	E	7	784.4563	392.7318
718.3406	7	P	6	655.4137	328.2105
775.3621	8	G	5	558.3610	279.6841
888.4462	9	I	4	501.3395	251.1734
1016.5047	10	Q	3	388.2554	194.6314
1129.5888	11	L	2	260.1969	130.6021
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTFLHPIIQIDR^{+3}



Max Intensity: **17.8**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **92.8%** Matched Series Intensity: **89.3%**



Sequence SYTFLHPIIQIDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C75 H116 N19 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1603.8729	1602.8639	802.4402	801.9356	535.2959	534.9595

[–] **Peak Matches**

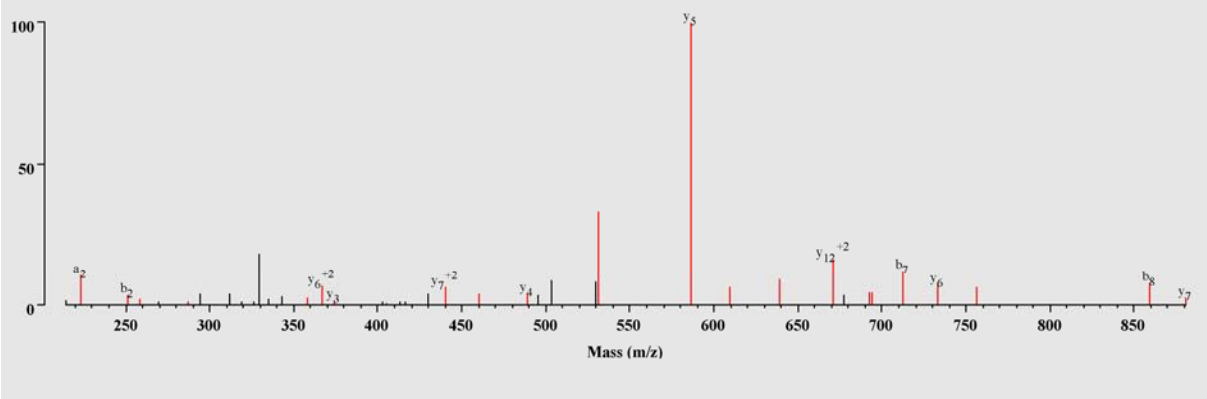
223.1099	249.1350	251.1017	281.0566	297.1446	306.1252	319.1210	320.2242	325.2106	328.1904
a_2(9.8) LH-28(-204)	TF(47)	b_2(-3.7) LH(-193)			a_3-H_2O(-64)		LHP-28(50) HPI-28(50)	y_8-H_2O^{+3}(61)	
330.2097	**334.1337**	**337.2165**	**340.2071**	**352.1467**	**363.2128**	**365.1905**	**378.0703**	**398.2181**	**403.2290**
	b_3-H_2O(-18) TFL-28(-236)		QID-NH_3(167)	b_3(-10) a_6-H_2O^{+2}(-100)	y_9-NH_3^{+3}(-1.8)			FLH(-1.4)	y_3(-2.4)
427.7484	**445.6034**	**457.2494**	**471.2475**	**481.2080**	**487.2828**	**496.2735**	**499.2633**	**514.2825**	**517.2937**
y_7^{+2}(-23)	y_{11}-H_2O^{+3}(28)	a_8-H_2O^{+2}(-1.7)	a_4(50) b_8-H_2O^{+2}(-0.26) TFLH-28(-51)	b_4-H_2O(-0.33) TFLH-H_2O(-99)	y_8-H_2O^{+2}(0.56)	y_8^{+2}(-29)	b_4(89) TFLH(-6.1)	y_4-NH_3(40)	
528.9561	**532.3220**	**534.9630**	**552.8244**	**626.3501**	**644.3503**	**667.8778**	**676.8814**	**758.4357**	**854.5069**
MH-H_2O^{+3}(0.29)		MH^{+3}(6.6)	y_9^{+2}(-9.8)	y_5-H_2O(-19) y_{10}^{+2}(-22)	YTFLH-H_2O(48) y_5(-35)	y_{11}-H_2O^{+2}(-7.2)	y_{11}^{+2}(-9.6)	y_{12}^{+2}(21)	YTFLHPI-H_2O(60) y_7(-3.0)

[–] **Main Sequence Ions**

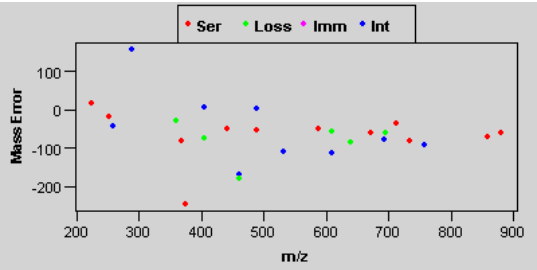
b	b^{+2}			y	y^{+2}
---	---	1 **S** 13		---	---
251.1026	---	2 **Y** 12		1515.8318	758.4196
352.1503	---	3 **T** 11		1352.7685	676.8879
499.2187	---	4 **F** 10		1251.7208	626.3640
612.3028	---	5 **L** 9		1104.6524	552.8298
749.3617	375.1845	6 **H** 8		991.5683	496.2878
846.4145	423.7109	7 **P** 7		854.5094	427.7584
959.4985	480.2529	8 **I** 6		757.4567	379.2320
1072.5826	536.7949	9 **I** 5		644.3726	322.6899
1200.6412	600.8242	10 **Q** 4		531.2885	266.1479
1313.7252	657.3663	11 **I** 3		403.2300	202.1186
1428.7522	714.8797	12 **D** 2		290.1459	145.5766
---	---	13 **R** 1		175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)AGEGFFPDQAR^{+3}



Max Intensity: **17.7**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **78.9%** Matched Series Intensity: **78.9%**



Sequence: SYM(Oxidation)AGEGFFPDQAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C70 H99 N18 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1592.5758	1591.6846	796.7916	796.3459	531.5302	531.2330

[–] Peak Matches

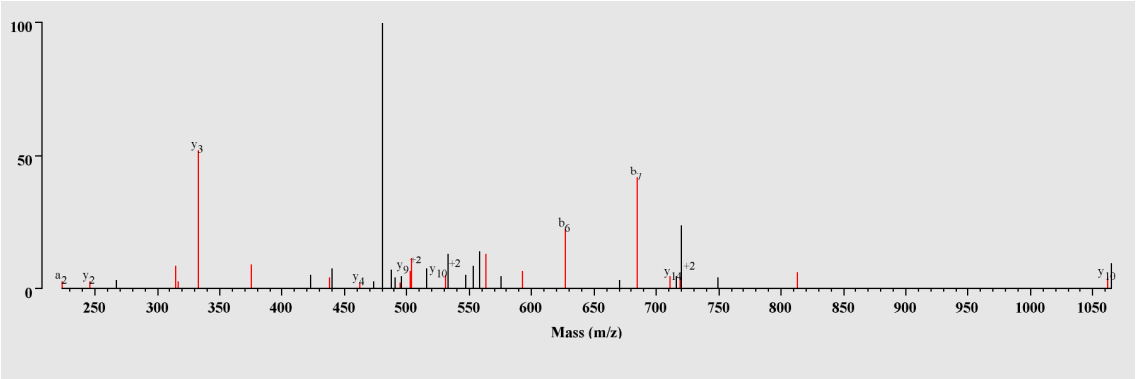
214.0868	**223.1113**	**251.0987**	**258.0976**	**269.1590**	**287.1805**	**294.1473**	**312.1670**	**319.1126**	**326.1585**
	a_2(16)	b_2(-16)	AGE(-42)		DQA-28(158) AGEG-28(158)				
329.1976	**335.1620**	**343.1512**	**358.1695**	**367.1554**	**374.1225**	**403.1434**	**405.1468**	**413.1618**	**416.1469**
			y_6-H_2O^{+2}(-29)	y_6^{+2}(-81)	y_3(-246)		M(Oxidation)AGE(7.3) b_4-$SOCH_4$(-74)		
430.1553	**440.6966**	**460.1417**	**489.2150**	**495.2115**	**503.6901**	**529.3588**	**531.1981**	**586.2652**	**609.1981**
	y_7^{+2}(-51)	FPDQ-28(-168) y_8-H_2O^{+2}(-180)	FFPD-H_2O(3.6) y_4(-54)				FPDQA-28(-109)	y_5(-50)	M(Oxidation)AGEGF(-58) a_6-H_2O(-58) AGEGFF(-113)
639.2460	**671.2572**	**677.1695**	**692.2504**	**694.2090**	**712.2353**	**733.3039**	**756.2324**	**859.2677**	**880.3794**
y_{12}-$SOCH_4^{+2}$(-83)	y_{12}^{+2}(-61)		GFFPDQ(-77)	b_7-H_2O(-59)	b_7(-36)	y_6(-80)	M(Oxidation)AGEGFF(-92)	b_8(-71)	y_7(-59)

[–] Main Sequence Ions

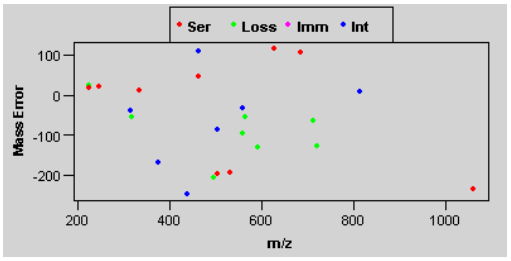
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1504.6525	752.8299
398.1380	3	M(Oxidation)	12 1341.5892	671.2982
469.1751	4	A	11 1194.5538	597.7805
526.1966	5	G	10 1123.5167	562.2620
655.2392	6	E	9 1066.4952	533.7513
712.2607	7	G	8 937.4526	469.2300
859.3291	8	F	7 880.4312	440.7192
1006.3975	9	F	6 733.3628	367.1850
1103.4503	10	P	5 586.2944	293.6508
1218.4772	11	D	4 489.2416	245.1244
1346.5358	12	Q	3 374.2146	187.6110
1417.5729	13	A	2 246.1561	123.5817
---	14	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASM(Oxidation)AGVNLSEESAR^{+3}



Max Intensity: **43.7**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **48.4%** Matched Series Intensity: **48.4%**



Sequence SYASM(Oxidation)AGVNLSEESAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C68 H111 N20 O28 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1688.6596	1687.7592	844.8335	844.3832	563.5581	563.2579

[–] **Peak Matches**

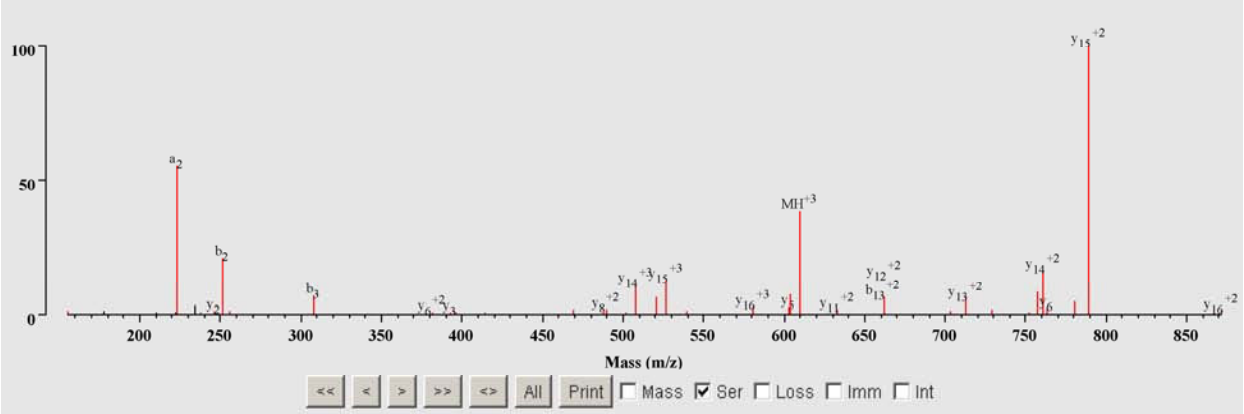
223.1113	246.1609	267.1521	314.1700	316.1441	333.1915	375.1061	423.1163	438.1255	439.6264
y_4-NH_3^{+2}(25) a_2(16)	y_2(20)		AGVN-28(-39)	y_3-NH_3(-55)	y_3(10)	M(Oxidation)AGV(-169)		AGVNL-NH_3(-249)	
462.2514	**473.6521**	**480.2556**	**487.6296**	**490.1532**	**494.1380**	**495.6433**	**502.6545**	**504.1493**	**516.1406**
SM(Oxidation)AGV(108) y_4(45)					y_9-NH_3^{+2}(-208)		y_9^{+2}(-198)	SEESA(-88)	
531.1611	**532.6583**	**547.2047**	**553.2005**	**558.2156**	**558.5444**	**563.2152**	**575.6697**	**592.1944**	**627.3168**
y_{10}^{+2}(-195)				SM(Oxidation)AGVN-H_2O(-33) y_{11}-NH_3^{+2}(-97)		b_6-$SOCH_4$(-55)		a_7-$SOCH_4$(-132)	b_6(116)
670.2351	**684.3376**	**710.7762**	**716.1858**	**719.2435**	**719.7715**	**749.1909**	**813.3697**	**1061.2726**	**1064.2900**
	b_7(105)	y_{14}-NH_3^{+2}(-65)		y_{14}^{+2}(-128) b_8-$SOCH_4$(-128)			VNLSEESA-NH_3(8.9)	y_{10}(-235)	

[–] **Main Sequence Ions**

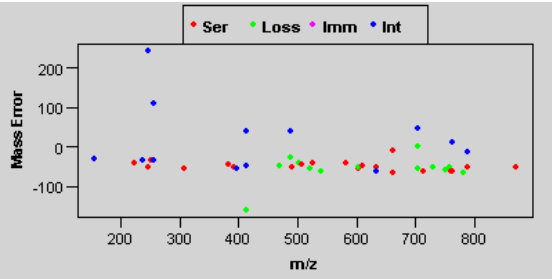
b				y	y^{+2}
---	1	S	16	---	---
251.1026	2	Y	15	1600.7272	800.8672
322.1397	3	A	14	1437.6638	719.3356
409.1718	4	S	13	1366.6267	683.8170
556.2072	5	M(Oxidation)	12	1279.5947	640.3010
627.2443	6	A	11	1132.5593	566.7833
684.2658	7	G	10	1061.5222	531.2647
783.3342	8	V	9	1004.5007	502.7540
897.3771	9	N	8	905.4323	453.2198
1010.4612	10	L	7	791.3894	396.1983
1097.4932	11	S	6	678.3053	339.6563
1226.5358	12	E	5	591.2733	296.1403
1355.5784	13	E	4	462.2307	231.6190
1442.6104	14	S	3	333.1881	167.0977
1513.6475	15	A	2	246.1561	123.5817
---	16	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGPTGTGESKC(Carbamidomethyl)PLM(Oxidation)VK^{+3}



Max Intensity: **176**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **97.9%**



Sequence: SYGPTGTGESKC(Carbamidomethyl)PLM(Oxidation)VK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C77 H127 N20 O27 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1828.7869	1827.8615	914.8972	914.4344	610.2673	609.9587

[–] Peak Matches

155.0768	160.0733	178.0814	210.1035	222.0142	223.0985	234.1013	238.1104	246.1685	251.0944
GP(-30)					a_2(-41)		GPT-H_2O(-35) PTG-H_2O(-35)	GES-28(244) y_2(-52)	b_2(-33)
256.1206	**308.1078**	**382.1789**	**393.1970**	**396.1657**	**414.1779**	**469.2098**	**488.2007**	**489.7346**	**501.5629**
GES-H_2O(109) GPT(-34) PTG(-34)	b_3(-53)	y_6^{+2}(-44)	y_3(-50)	GPTGT-H_2O(-56) PTGTG-H_2O(-56)	GTGES-H_2O(39) GPTGT(-49) PTGTG(-49) y_7-$SOCH_4^{+2}$(-160)	y_{13}-H_2O^{+3}(-47)	ESKC(Carbamidomethyl)-NH_3(40) b_5-H_2O(-27)	y_8^{+2}(-50)	y_{14}-H_2O^{+3}(-40)
507.5640	**520.5626**	**526.5718**	**539.3220**	**580.9235**	**603.3204**	**603.9250**	**609.9309**	**633.2821**	**661.7818**
y_{14}^{+3}(-44)	y_{15}-H_2O^{+3}(-53)	y_{15}^{+3}(-41)	y_5-$SOCH_4$(-61)	y_{16}^{+3}(-42)	y_5(-55)	MH-H_2O^{+3}(-50)	MH^{+3}(-46)	y_{11}^{+2}(-52) TGTGESK-28(-60)	b_{13}^{+2}(-8.9) y_{12}^{+2}(-66)
703.3048	**712.3059**	**728.8387**	**751.8278**	**757.3496**	**760.8279**	**763.3360**	**780.3311**	**789.3454**	**870.8733**
GTGESKC(Carbamidomethyl)-NH_3(47) b_8-H_2O(0.31) y_{13}-H_2O^{+2}(-56)	y_{13}^{+2}(-61)	y_{14}-$SOCH_4^{+2}$(-52)	y_{14}-H_2O^{+2}(-57)	y_{15}-$SOCH_4^{+2}$(-50)	y_{14}^{+2}(-63)	YGPTGTGE(13) y_6(-63)	y_{15}-H_2O^{+2}(-65)	GTGESKC(Carbamidomethyl)P-28(-13) y_{15}^{+2}(-52)	y_{16}^{+2}(-52)

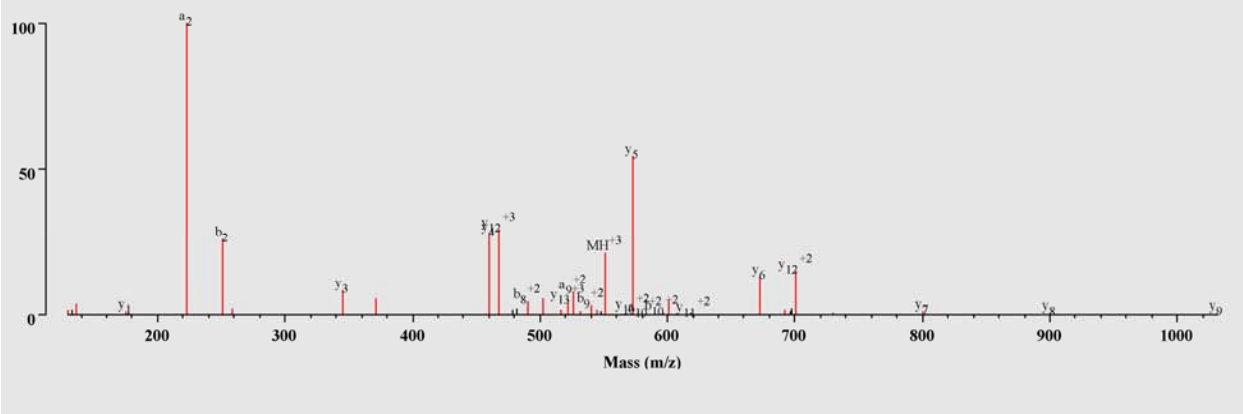
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	17	---	---
251.1026	---	2	**Y**	16	1740.8295	870.9184
308.1241	---	3	**G**	15	1577.7662	789.3867
405.1769	---	4	**P**	14	1520.7447	760.8760
506.2245	---	5	**T**	13	1423.6920	712.3496
563.2460	---	6	**G**	12	1322.6443	661.8258
664.2937	---	7	**T**	11	1265.6228	633.3150
721.3151	---	8	**G**	10	1164.5751	582.7912
850.3577	---	9	**E**	9	1107.5537	554.2805
937.3898	---	10	**S**	8	978.5111	489.7592
1065.4847	533.2460	11	**K**	7	891.4791	446.2432
1225.5154	613.2613	12	**C(Carbamidomethyl)**	6	763.3841	382.1957
1322.5681	661.7877	13	**P**	5	603.3534	302.1804

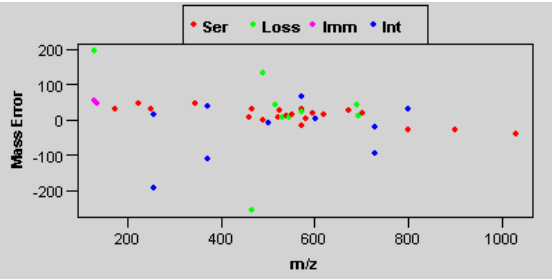
1435.6522	718.3297	14	**L**	4	506.3007	253.6540
1582.6876	791.8474	15	**M(Oxidation)**	3	393.2166	197.1119
1681.7560	841.3816	16	**V**	2	246.1812	123.5942
---	---	17	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYC(Carbamidomethyl)PLMVKVLDAVR^{+3}



Max Intensity: **136**
Num Matched: **33/40 (17.5% unmatched)** Matched Intensity: **97.3%** Matched Series Intensity: **97.6%**



Sequence: SYC(Carbamidomethyl)PLMVKVLDAVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H124 N19 O20 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1651.8780	1650.8706	826.4427	825.9389	551.2976	550.9617

[–] Peak Matches

129.1094	133.0495	136.0821	175.1245	223.1181	251.1100	258.0949	345.2403	371.1884	460.2546
y_2-NH_3^{+2}(196) K(55)		Y(47)	y_1(32)	a_2(46)	b_2(29)	C(Carbamidomethyl)P(16) DAV-28(-193)	y_3(46)	C(Carbamidomethyl)PL (37) LDAV-28(-109) VLDA-28(-109)	y_4(6.9)
467.6102	**478.2518**	**482.2634**	**490.2405**	**502.2101**	**516.2967**	**521.9552**	**525.7919**	**531.2645**	**539.7811**
y_{12}^{+3}(29) a_8-NH_3^{+2}(-256)			b_4-H_2O (133) b_8^{+2}(-0.25)	C(Carbamidomethyl)PLM(-10)	y_{13}-NH_3^{+3} (41)	y_{13}^{+3}(8.0)	a_9^{+2}(28)	b_9-NH_3^{+2}(5.5)	b_9^{+2}(12)
544.9629	**548.2801**	**550.9696**	**572.3664**	**573.3269**	**582.3208**	**596.3277**	**601.2866**	**618.2924**	**620.8864**
MH-H_2O^{+3} (8.6)		MH^{+3}(14)	y_{10}^{+2}(29)	C(Carbamidomethyl)PLMV-28 (67) a_{10}-H_2O^{+2}(22) y_5(-15)	a_{10}^{+2}(2.4)	b_{10}^{+2}(18)	C(Carbamidomethyl)PLMV(4.9)		y_{11}^{+2}(17)
672.4229	**691.9152**	**692.3858**	**696.3440**	**696.8561**	**700.9047**	**729.3637**	**800.4750**	**899.5421**	**1030.5689**
y_6(28)	y_{12}-H_2O^{+2} (42)	y_{12}-NH_3^{+2} (11)			y_{12}^{+2}(19)	C(Carbamidomethyl)PLMVK(-20) MVKVLDA-28(-95)	C(Carbamidomethyl)PLMVKV-28 (29) y_7(-30)	y_8(-28)	y_9(-38)

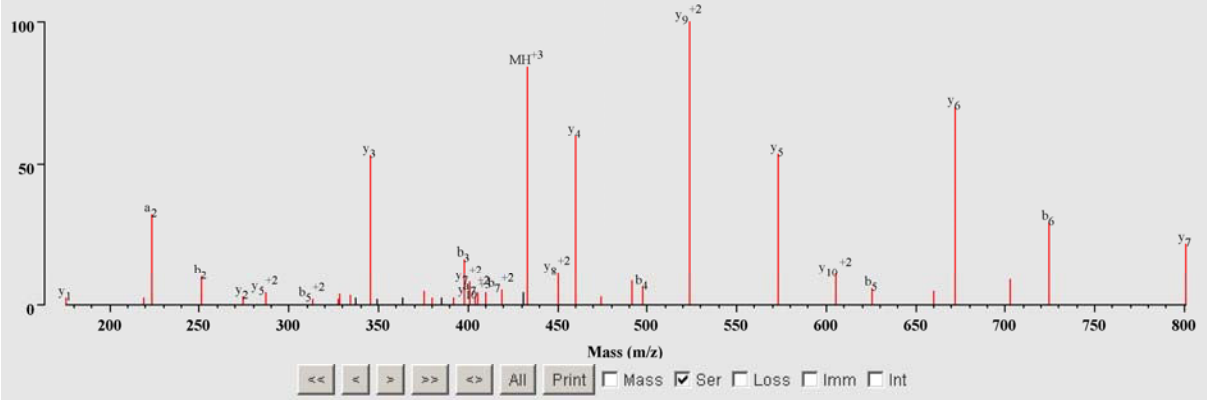
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1563.8386	782.4229
411.1333	---	3	C(Carbamidomethyl)	12	1400.7752	700.8913
508.1860	---	4	P	11	1240.7446	620.8759
621.2701	---	5	L	10	1143.6918	572.3496
752.3106	---	6	M	9	1030.6078	515.8075
851.3790	---	7	V	8	899.5673	450.2873
979.4740	490.2406	8	K	7	800.4989	400.7531
1078.5424	539.7748	9	V	6	672.4039	336.7056
1191.6264	596.3169	10	L	5	573.3355	287.1714
1306.6534	653.8303	11	D	4	460.2514	230.6293
1377.6905	689.3489	12	A	3	345.2245	173.1159
1476.7589	738.8831	13	V	2	274.1874	137.5973

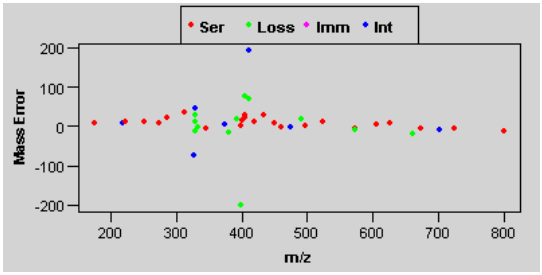
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)VKVLDAVR^{+3}



Max Intensity: **49.2**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **97.9%** Matched Series Intensity: **97.6%**



Sequence: SYM(Oxidation)VKVLDAVR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C57 H98 N15 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1297.4070	1296.6980	649.2072	648.8527	433.1406	432.9042

[–] **Peak Matches**

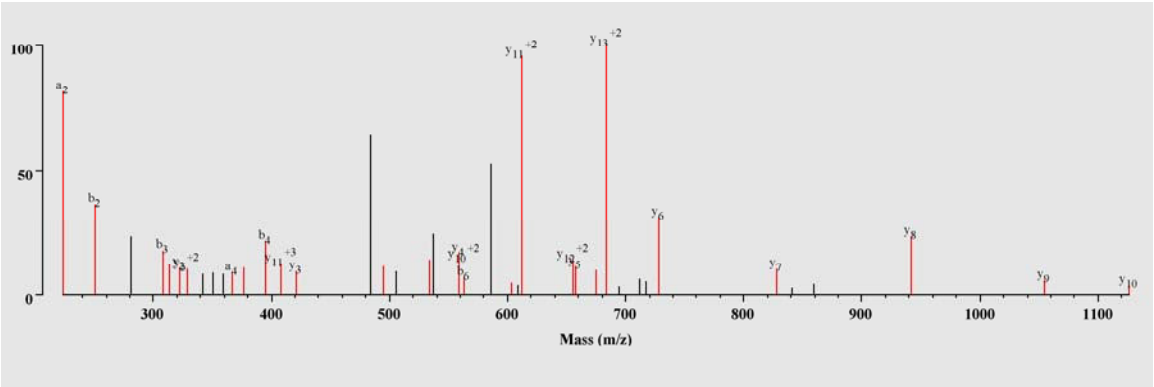
175.1206	219.1181	223.1100	251.1057	274.1894	287.1774	313.1651	327.2151	328.2020	334.1394
y_1(9.4)	M(Oxidation)V-28(8.8)	a_2(10)	b_2(12)	y_2(7.4)	y_5^{+2}(21)	b_5^{+2}(34)	VKV(-73)	VLD(47) y_6-NH_3^{+2}(30) y_3-NH_3(12) y_9-$SOCH_4^{+3}$(-13)	b_3-$SOCH_4$(-1.0)
337.2157	**345.2226**	**349.1881**	**363.1997**	**375.2082**	**380.1213**	**385.2019**	**392.2466**	**398.1379**	**400.7589**
	y_3(-5.4)			M(Oxidation)VK(5.7)	b_3-H_2O(-16)		y_7-NH_3^{+2}(17)	b_3(-0.33) y_{10}-NH_3^{+3}(-201)	y_7^{+2}(15)
403.9020	**405.2441**	**410.2536**	**419.2361**	**431.2027**	**432.9159**	**450.2914**	**460.2498**	**474.2728**	**491.8151**
y_{10}^{+3}(21)	a_4-$SOCH_4$(76) a_7^{+2}(27)	YM(Oxidation)V(193) b_7-H_2O^{+2}(69)	b_7^{+2}(13)		MH^{+3}(27)	y_8^{+2}(9.2)	y_4(-3.5)	M(Oxidation)VKV(-3.5)	y_9-$SOCH_4^{+2}$(19)
497.2076	**523.8117**	**573.3326**	**605.3402**	**625.3069**	**660.3577**	**672.3997**	**702.3793**	**724.3651**	**800.4892**
b_4(2.3)	y_9^{+2}(13)	y_5(-5.1) y_{10}-$SOCH_4^{+2}$(-8.6)	y_{10}^{+2}(5.9)	b_5(8.8)	b_6-$SOCH_4$(-21)	y_6(-6.3)	M(Oxidation)VKVLD(-8.8)	b_6(-6.5)	y_7(-12)

[–] **Main Sequence Ions**

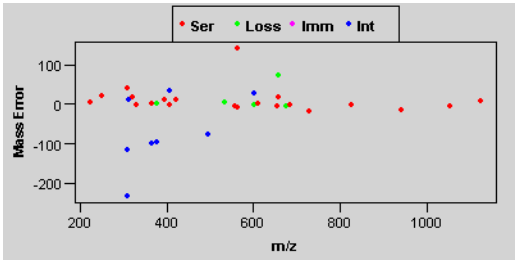
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1209.6660	605.3366
398.1380	---	3	**M(Oxidation)**	9	1046.6027	523.8050
497.2064	---	4	**V**	8	899.5673	450.2873
625.3014	313.1543	5	**K**	7	800.4989	400.7531
724.3698	362.6885	6	**V**	6	672.4039	336.7056
837.4539	419.2306	7	**L**	5	573.3355	287.1714
952.4808	476.7441	8	**D**	4	460.2514	230.6293
1023.5179	512.2626	9	**A**	3	345.2245	173.1159
1122.5864	561.7968	10	**V**	2	274.1874	137.5973
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGSPAINVAVHVFR^{+3}



Max Intensity: **38.0**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **72.5%** Matched Series Intensity: **72.0%**



Sequence SYGSPAINVAVHVFR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H114 N21 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1617.8593	1616.8544	809.4334	808.9308	539.9581	539.6230

[–] **Peak Matches**

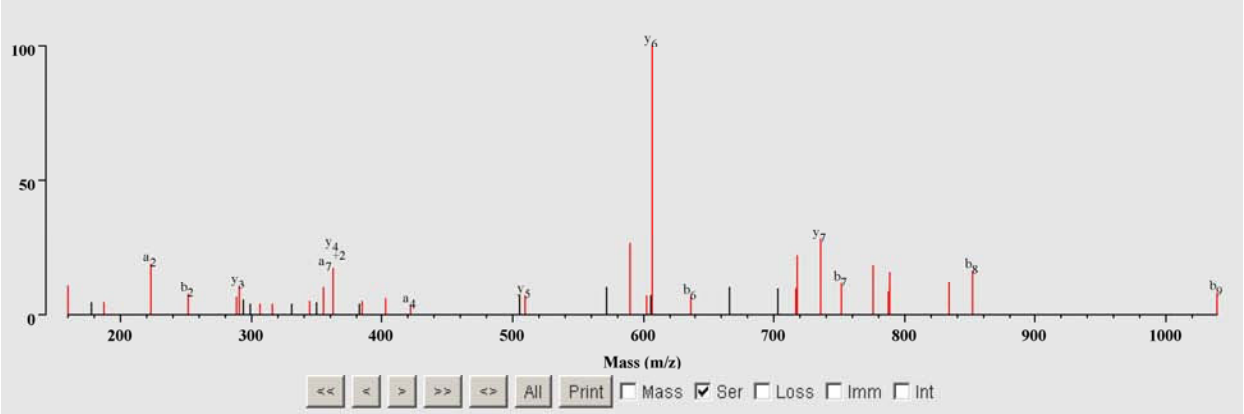
223.1089	251.1078	281.0579	308.1364	313.1536	322.1926	329.1949	342.1905	350.1433	359.1827
a_2(5.3)	b_2(21)		YGS(40) b_3(40) AVH(-115) VHV-28(-233)	GSPA(9.4)	y_2(16)	y_5^{+2}(-0.88)			
367.1612	**377.1455**	**395.1609**	**408.2386**	**421.2610**	**483.8388**	**495.2546**	**505.2153**	**533.6226**	**537.2840**
a_4(-0.030) NVAV-NH_3(-99)	b_4-H_2O(-0.16) YGSP-28(-97)	b_4(12)	GSPAI-H_2O(35) y_{11}^{+3}(-3.5)	y_3(12)		PAINV(-77)		MH-H_2O^{+3}(5.9)	
558.3121	**563.3255**	**586.2873**	**603.3420**	**609.2095**	**611.8565**	**655.3698**	**657.3946**	**674.8751**	**683.8809**
y_4(-4.6)	b_6(141) y_{10}^{+2}(-8.0)		NVAVHV-NH_3(28) y_{11}-NH_3^{+2}(-1.8)		y_{11}^{+2}(0.18)	y_{12}^{+2}(-4.0)	b_{13}+H_2O^{+2}(74) y_5(17)	y_{13}-H_2O^{+2}(-4.1)	y_{13}^{+2}(-3.3)
694.2300	**712.2428**	**717.3015**	**728.4077**	**827.4866**	**841.2310**	**859.2974**	**941.5177**	**1054.6112**	**1125.6622**
			y_6(-17)	y_7(-2.5)			y_8(-15)	y_9(-4.2)	y_{10}(8.4)

[–] **Main Sequence Ions**

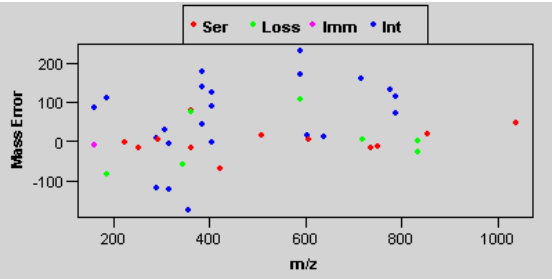
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1529.8223	765.4148
308.1241	---	3	G	13	1366.7590	683.8831
395.1561	---	4	S	12	1309.7375	655.3724
492.2089	---	5	P	11	1222.7055	611.8564
563.2460	---	6	A	10	1125.6527	563.3300
676.3301	---	7	I	9	1054.6156	527.8115
790.3730	---	8	N	8	941.5316	471.2694
889.4414	---	9	V	7	827.4886	414.2480
960.4785	---	10	A	6	728.4202	364.7137
1059.5469	---	11	V	5	657.3831	329.1952
1196.6058	598.8066	12	H	4	558.3147	279.6610
1295.6743	648.3408	13	V	3	421.2558	211.1315
1442.7427	721.8750	14	F	2	322.1874	161.5973
---	---	15	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYKAADDTWEPFASGK^{+3}



Max Intensity: **5.87**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **85.5%** Matched Series Intensity: **85.1%**



Sequence SYKAADDTWEPFASGK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C80 H114 N19 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1773.9081	1772.8126	887.4578	886.9099	591.9743	591.6091

[–] Peak Matches

159.0899	177.1084	187.0918	223.1074	251.0988	288.1363	291.1680	294.2367	299.0932	306.1535
AD-28(85) AS(85) W(-11)		AD(109) y_2-NH_3(-85)	a_2(-1.4)	b_2(-15)	WE-28(7.1) TW(7.1) FAS-H_2O(7.1) PFA-28(-119)	y_3(5.9)			FAS(28)
316.1273	**331.1653**	**344.1729**	**350.2134**	**355.0622**	**362.1979**	**383.1597**	**385.2041**	**403.1968**	**422.2107**
WE(-6.0) PFA(-121)		y_4-H_2O(-58)		AADD-H_2O(-176)	a_7^{+2}(80) b_3-NH_3(74) y_4(-15)		ADDT-H_2O(178) DTW-H_2O(139) WEP-28(44) PFAS-H_2O(44)	ADDT(126) DTW(88) PFAS(-2.0)	a_4(-69)
505.2581	**509.2787**	**572.3389**	**589.3615**	**602.2871**	**605.8207**	**606.3271**	**636.3062**	**665.8415**	**703.3576**
	y_5(14)		ADDTW(231) EPFASG(169) y_6-NH_3(108)	KAADDT(15)		y_6(4.1)	b_6(12) YKAADD-28(12)		
716.4030	**717.3610**	**735.3551**	**751.3158**	**775.4425**	**787.4150**	**788.4140**	**834.3651**	**852.3881**	**1038.5003**
DDTWEP-28(160)	y_7-H_2O(6.1)	y_7(-16)	b_7(-13)	WEPFASG(131)	ADDTWEP-28(113)	KAADDTW(72)	b_8-H_2O(2.7) y_{15}-H_2O^{+2}(-28)	b_8(17)	b_9(46)

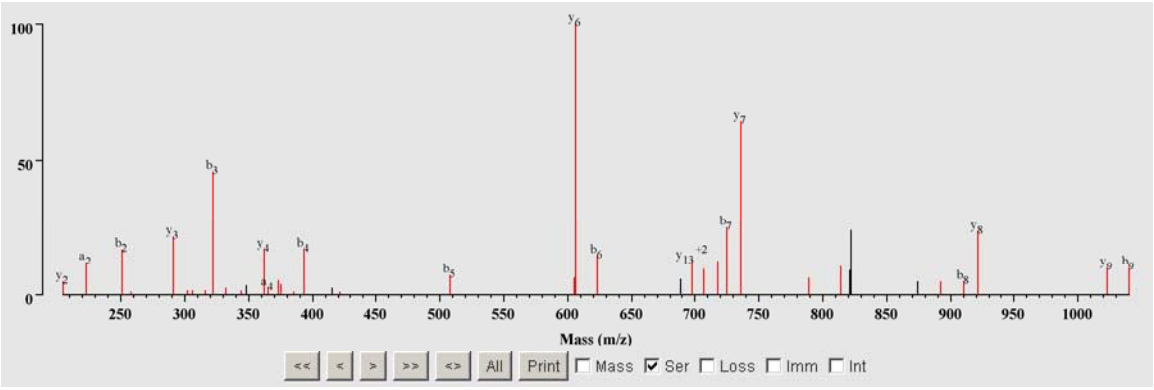
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1685.7806	843.3939
379.1976	190.1024	3	**K**	14	1522.7172	761.8623
450.2347	225.6210	4	**A**	13	1394.6223	697.8148
521.2718	261.1396	5	**A**	12	1323.5852	662.2962
636.2988	318.6530	6	**D**	11	1252.5481	626.7777
751.3257	376.1665	7	**D**	10	1137.5211	569.2642
852.3734	426.6903	8	**T**	9	1022.4942	511.7507
1038.4527	519.7300	9	**W**	8	921.4465	461.2269
1167.4953	584.2513	10	**E**	7	735.3672	368.1872
1264.5481	632.7777	11	**P**	6	606.3246	303.6659
1411.6165	706.3119	12	**F**	5	509.2718	255.1396
1482.6536	741.8304	13	**A**	4	362.2034	181.6053
1569.6856	785.3464	14	**S**	3	291.1663	146.0868

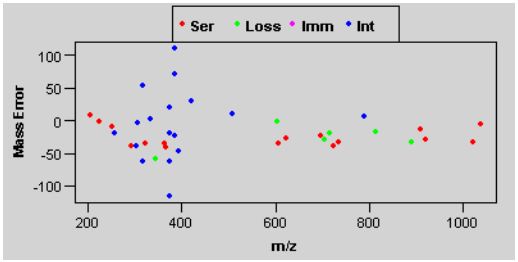
1626.7071	813.8572	15	**G**	2	204.1343	102.5708
---	---	16	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAADDTWEPFASGK^{+2}



Max Intensity: **6.77**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **90.6%** Matched Series Intensity: **90.4%**



Sequence SYAADDTWEPFASGK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H102 N17 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1645.7329	1644.7176	823.3702	822.8625

[–] **Peak Matches**

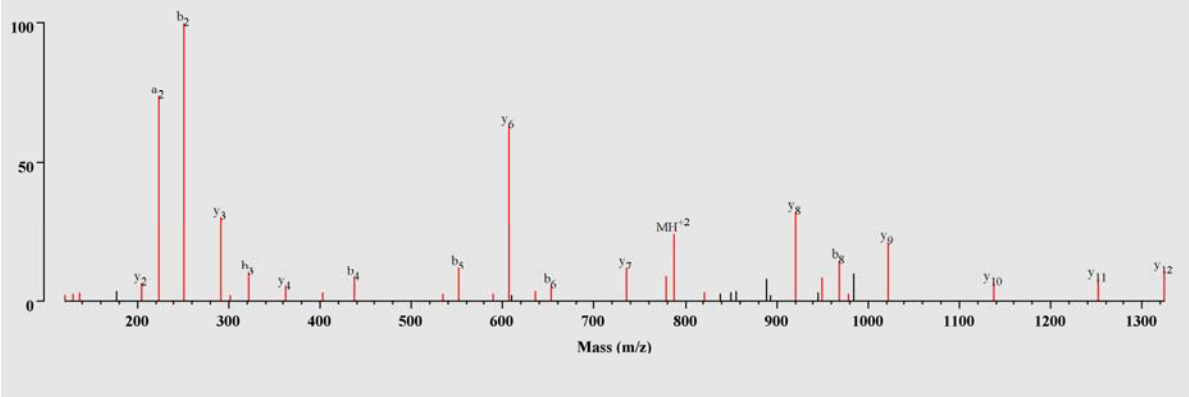
204.1359	**223.1074**	**251.1003**	**258.1033**	**291.1551**	**302.0864**	**306.1436**	**316.1458**	**322.1281**	**332.1099**
y_2(8.0)	a_2(-1.4)	b_2(-9.3)	AAD(-20)	y_3(-38)	ADD(-39)	YAA(-4.0) FAS(-4.0)	WE(53) PFA(-63)	b_3(-36)	DDT(3.2)
344.1729	**348.1211**	**362.1907**	**365.1672**	**373.1123**	**375.1591**	**385.1781**	**393.1585**	**415.2343**	**421.1844**
y_4-H_2O(-58)		y_4(-35)	a_4(-40)	AADD(-62)	ADDT-28(21) b_4-H_2O(-19) DTW-28(-19) PFAS-28(-116)	ADDT-H_2O(111) DTW-H_2O(71) WEP-28(-23) PFAS-H_2O(-23)	b_4(-47) YAAD-28(-47)		YAAD(30)
508.2091	**605.2198**	**606.3031**	**623.2139**	**688.2402**	**697.7984**	**706.2473**	**717.3432**	**724.2501**	**735.3422**
b_5(10) YAADD-28(10)	b_6-H_2O(-0.63)	y_6(-35)	b_6(-27)		y_{13}^{+2}(-23)	b_7-H_2O(-29)	y_7-H_2O(-19)	b_7(-39)	y_7(-34)
789.3099	**813.8426**	**821.3774**	**822.4004**	**874.3201**	**892.3181**	**910.3453**	**921.4193**	**1022.4606**	**1039.3942**
AADDTWE(6.2)	MH-H_2O^{+2}(-18)				b_8-H_2O(-33)	b_8(-14)	y_8(-30)	y_9(-33)	b_9(-5.9)

[–] **Main Sequence Ions**

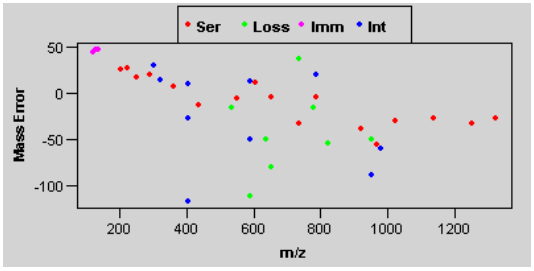
b			y	y^{+2}
---	1	S	15 ---	---
251.1026	2	Y	14 1557.6856	779.3464
322.1397	3	A	13 1394.6223	697.8148
393.1769	4	A	12 1323.5852	662.2962
508.2038	5	D	11 1252.5481	626.7777
623.2307	6	D	10 1137.5211	569.2642
724.2784	7	T	9 1022.4942	511.7507
910.3577	8	W	8 921.4465	461.2269
1039.4003	9	E	7 735.3672	368.1872
1136.4531	10	P	6 606.3246	303.6659
1283.5215	11	F	5 509.2718	255.1396
1354.5586	12	A	4 362.2034	181.6053
1441.5907	13	S	3 291.1663	146.0868
1498.6121	14	G	2 204.1343	102.5708
---	15	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYADDTWEPFASGK^{+2}



Max Intensity: **23.6**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **92.4%** Matched Series Intensity: **91.7%**



Sequence SYADDTWEPFASGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C71 H97 N16 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1574.6536	1573.6805	787.8305	787.3439

[–] **Peak Matches**

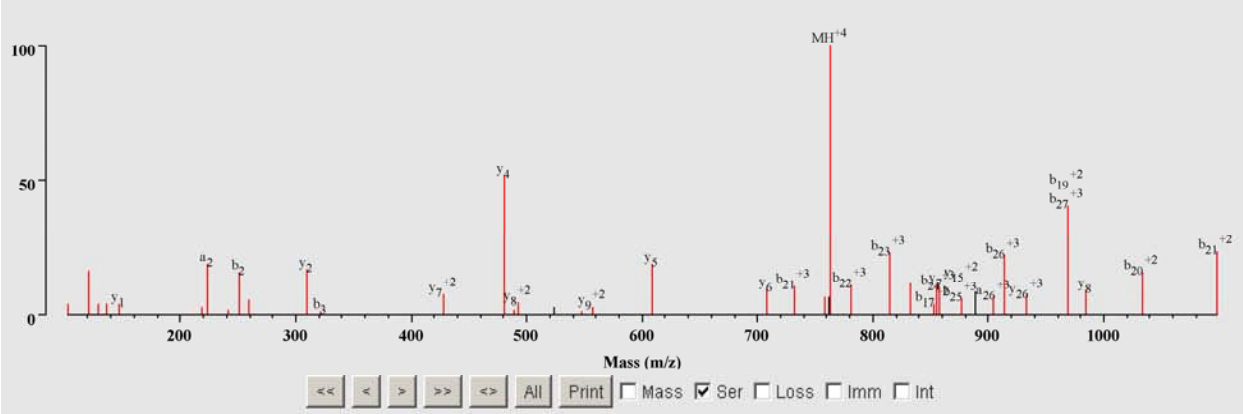
120.0860	129.1083	136.0821	177.1079	204.1394	223.1138	251.1070	291.1720	302.1069	322.1441
F(44)	K(47)	Y(47)		y_2(25)	a_2(27)	b_2(17)	y_3(20)	ADD(29)	b_3(14) YAD-28(14)
362.2057	**403.1499**	**437.1612**	**534.1744**	**552.1900**	**589.2322**	**606.3313**	**610.2835**	**635.1990**	**653.2381**
y_4(6.3)	ADDT(9.8) DTW(-28) PFAS(-118)	YADD-28(-13) b_4(-13)	b_5-H_2O(-16)	b_5(-6.6)	ADDTW(12) EPFASG(-50) y_6-NH_3(-112)	y_6(11)		b_6-H_2O(-50)	b_6(-4.9) y_{12}-H_2O^{+2}(-81)
735.3421	**778.3258**	**787.3405**	**821.2648**	**838.3421**	**849.6209**	**854.9668**	**888.6099**	**892.8016**	**921.4102**
y_{13}-NH_3^{+2}(37) y_7(-34)	MH-H_2O^{+2}(-16)	ADDTWEP-28(19) MH^{+2}(-4.3)	b_7-H_2O(-55)						y_8(-39)
945.7024	**950.3040**	**968.3091**	**978.3256**	**983.7234**	**984.2423**	**1022.4629**	**1137.4896**	**1252.5055**	**1323.5493**
	b_8-H_2O(-51) YADDTWEP-28(-89)	b_8(-56)	YADDTWEP(-60)			y_9(-31)	y_{10}(-28)	y_{11}(-34)	y_{12}(-27)

[–] **Main Sequence Ions**

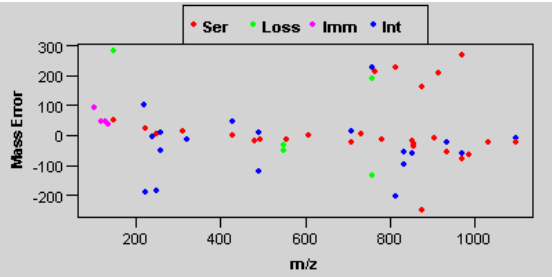
b			y	y^{+2}
---	1	S 14	---	---
251.1026	2	Y 13	1486.6485	743.8279
322.1397	3	A 12	1323.5852	662.2962
437.1667	4	D 11	1252.5481	626.7777
552.1936	5	D 10	1137.5211	569.2642
653.2413	6	T 9	1022.4942	511.7507
839.3206	7	W 8	921.4465	461.2269
968.3632	8	E 7	735.3672	368.1872
1065.4160	9	P 6	606.3246	303.6659
1212.4844	10	F 5	509.2718	255.1396
1283.5215	11	A 4	362.2034	181.6053
1370.5535	12	S 3	291.1663	146.0868
1427.5750	13	G 2	204.1343	102.5708
---	14	K 1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYASGKTSESGELHGLTTEEEFVEGIYK^{+4}



Max Intensity: **19.2**
Num Matched: **37/40 (7.5% unmatched)** Matched Intensity: **96.7%** Matched Series Intensity: **95.5%**



Sequence: SYASGKTSESGELHGLTTEEEFVEGIYK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C133 H203 N32 O50

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
3050.2796	3048.4320	1525.6435	1524.7197	1017.4315	1016.8155	763.3255	762.8635

[–] Peak Matches

102.0642	120.0860	129.1083	136.0810	147.1201	219.1713	223.1124	241.0805	251.1040	259.0949
E(91)	F(44)	K(47)	Y(39)	y_2-NH_3^{+2}(283) y_1(50)	FV-28(101)	a_2(21) LH-28(-192)	EE-H_2O(-5.8)	b_2(5.4) LH(-184)	EE(9.4) EF-H_2O(-49)
310.1802	**322.1356**	**428.2345**	**480.2721**	**489.1870**	**492.7481**	**523.2253**	**548.2535**	**557.2683**	**609.3252**
y_2(13)	b_3(-13) YAS(-13)	ASGKT-NH_3(48) KTSE-H_2O(48) y_7^{+2}(0.75)	y_4(-20)	TEEE(8.7) YASGK-H_2O(-120)	y_8^{+2}(-15)		y_9-H_2O^{+2}(-33) a_6-H_2O(-53)	y_9^{+2}(-15)	y_5(1.6)
708.3774	**732.0016**	**758.5039**	**761.4502**	**763.0243**	**781.0110**	**814.2292**	**832.3240**	**853.3888**	**855.4304**
GELHGLT(14) y_6(-22)	b_{21}^{+3}(5.5)	GKTSESGE-H_2O(227) MH-H_2O^{+4}(189) MH-NH_3^{+4}(-136)		MH^{+4}(211)	b_{22}^{+3}(-12)	b_{23}^{+3}(228) KTSESGEL-H_2O(-203)	LTTEEEF-H_2O(-58) KTSESGEL(-97)	b_{17}^{+2}(-19) LHGLTTEE-28(-62) ELHGLTTE-28(-62)	y_7(-36)
857.0332	**876.2083**	**888.3815**	**904.4201**	**913.9486**	**933.3977**	**968.3730**	**984.4402**	**1032.9464**	**1097.4651**
b_{24}^{+3}(-28)	b_{25}^{+3}(164) y_{15}^{+2}(-251)		a_{26}^{+3}(-8.3)	b_{26}^{+3}(207)	EEEFVEGI(-24) y_{26}^{+3}(-56)	b_{27}^{+3}(268) YASGKTSESG(-61) b_{19}^{+2}(-80)	y_8(-64)	b_{20}^{+2}(-24)	YASGKTSESGE(-8.6) b_{21}^{+2}(-25)

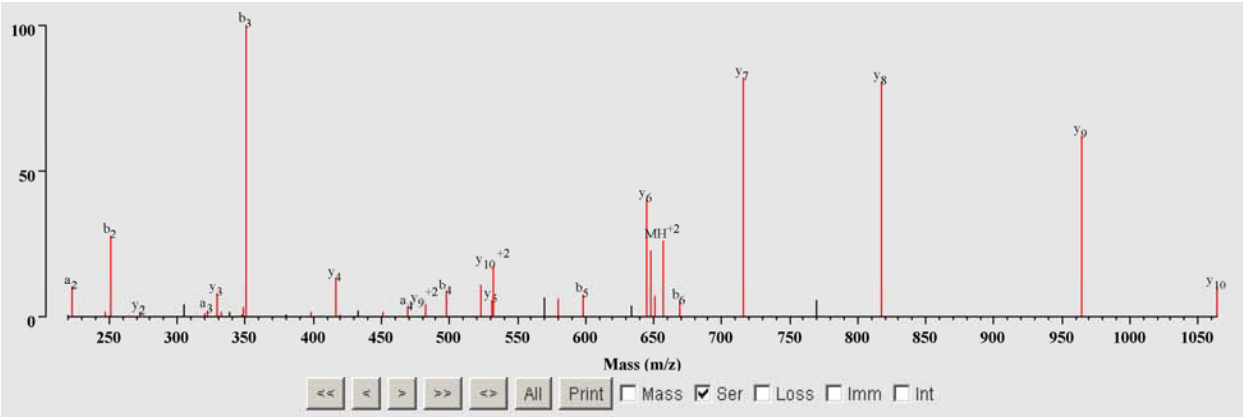
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 28	---	---
251.1026	---	2	Y 27	2961.4000	1481.2036
322.1397	---	3	A 26	2798.3367	1399.6720
409.1718	---	4	S 25	2727.2996	1364.1534
466.1932	---	5	G 24	2640.2675	1320.6374
594.2882	297.6477	6	K 23	2583.2461	1292.1267
695.3359	348.1716	7	T 22	2455.1511	1228.0792
782.3679	391.6876	8	S 21	2354.1034	1177.5554
911.4105	456.2089	9	E 20	2267.0714	1134.0393
998.4425	499.7249	10	S 19	2138.0288	1069.5180
1055.4640	528.2356	11	G 18	2050.9968	1026.0020
1184.5066	592.7569	12	E 17	1993.9753	997.4913
1297.5907	649.2990	13	L 16	1864.9327	932.9700
1434.6496	717.8284	14	H 15	1751.8487	876.4280

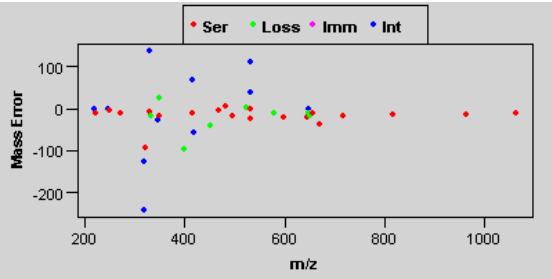
1491.6710	746.3392	15	**G**	14	1614.7897	807.8985
1604.7551	802.8812	16	**L**	13	1557.7683	779.3878
1705.8028	853.4050	17	**T**	12	1444.6842	722.8457
1806.8504	903.9289	18	**T**	11	1343.6365	672.3219
1935.8930	968.4502	19	**E**	10	1242.5889	621.7981
2064.9356	1032.9715	20	**E**	9	1113.5463	557.2768
2193.9782	1097.4928	21	**E**	8	984.5037	492.7555
2341.0466	1171.0270	22	**F**	7	855.4611	428.2342
2440.1151	1220.5612	23	**V**	6	708.3927	354.7000
2569.1576	1285.0825	24	**E**	5	609.3243	305.1658
2626.1791	1313.5932	25	**G**	4	480.2817	240.6445
2739.2632	1370.1352	26	**I**	3	423.2602	212.1337
2902.3265	1451.6669	27	**Y**	2	310.1761	155.5917
---	---	28	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVFTANDSGPR^{+2}



Max Intensity: **111**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **95.8%** Matched Series Intensity: **95.5%**



Sequence SYVFTANDSGPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H85 N16 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1314.4056	1313.6121	657.7065	657.3097

[–] **Peak Matches**

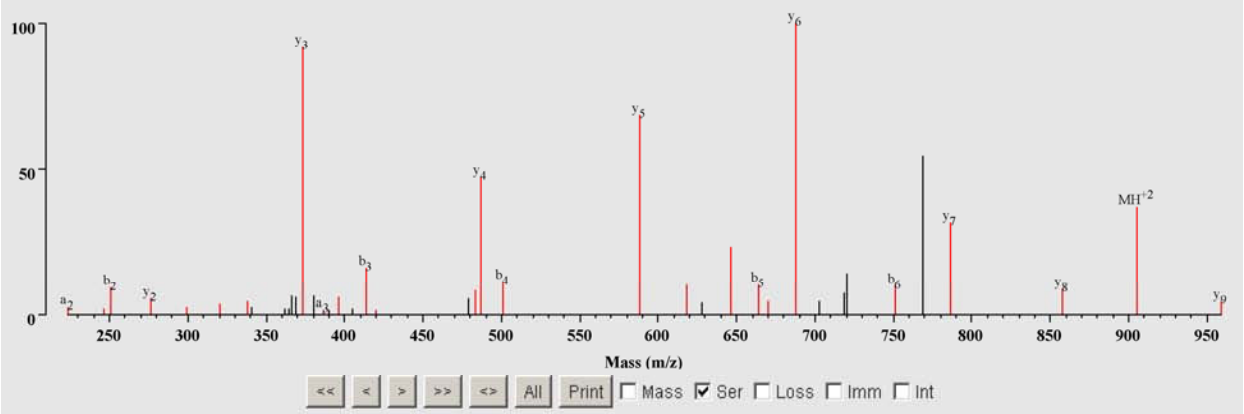
219.1489	223.1054	247.1438	251.1012	272.1681	305.1453	320.1194	322.1463	329.1905	332.1543
VF-28(-1.3)	a_2(-10)	VF(-1.2)	b_2(-5.7)	y_2(-13)		FTA(-128) VFT-28(-242)	a_3(-93)	DSGP-28(137) y_3(-8.1)	b_3-H_2O(-19)
338.1306	**347.1641**	**348.1824**	**350.1651**	**380.1508**	**398.1757**	**416.2202**	**419.2051**	**433.1976**	**451.2158**
		VFT(-27)	y_7-NH_3^{+2}(25) b_3(-17)		y_4-H_2O(-98)	FTAN-H_2O(66) y_4(-12)	VFTA(-57)		a_4-H_2O(-40)
469.2422	**482.7306**	**497.2308**	**523.2573**	**531.2401**	**532.2616**	**569.3222**	**580.2690**	**598.2753**	**633.2849**
a_4(-5.0)	y_9^{+2}(5.8)	b_4(-17)	y_{10}-H_2O^{+2}(1.1)	FTAND-H_2O(38) y_5(-23)	FTAND-NH_3(109) y_{10}^{+2}(-0.73)		b_5-H_2O(-13)	b_5(-20)	
645.2818	**648.2980**	**651.3019**	**657.3014**	**669.2998**	**716.3198**	**769.4241**	**817.3681**	**964.4334**	**1063.5035**
y_6(-21)	VFTAND(-1.2) MH-H_2O^{+2}(-9.8)	b_6-H_2O(-18)	MH^{+2}(-13)	b_6(-37)	y_7(-17)		y_8(-14)	y_9(-15)	y_{10}(-12)

[–] **Main Sequence Ions**

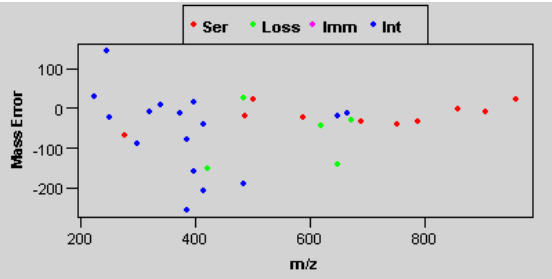
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1226.5800	613.7937
350.1710	3	V	10	1063.5167	532.2620
497.2395	4	F	9	964.4483	482.7278
598.2871	5	T	8	817.3799	409.1936
669.3243	6	A	7	716.3322	358.6697
783.3672	7	N	6	645.2951	323.1512
898.3941	8	D	5	531.2522	266.1297
985.4262	9	S	4	416.2252	208.6162
1042.4476	10	G	3	329.1932	165.1002
1139.5004	11	P	2	272.1717	136.5895
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYSYSTTAVVTNPKE^{+2}



Max Intensity: **5.39**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **81.3%** Matched Series Intensity: **80.2%**



Sequence SYYSYSTTAVVTNPKE
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C81 H121 N18 O29

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1810.9670	1809.8541	905.9872	905.4307

[–] Peak Matches

223.1139	246.1805	251.0967	276.1363	299.1123	320.1211	338.1376	341.1326	362.1452	364.1618
a_2(28) SY-28(28) YS-28(28)	TTA-28(145)	b_2(-24) SY(-24) YS(-24)	y_2(-69)	YY-28(-89)	SYS-H_2O(-9.4)	SYS(8.7)			
366.1532	**369.1405**	**373.2033**	**380.1324**	**386.1406**	**390.1835**	**396.1611**	**405.1546**	**414.1488**	**420.1708**
		y_3(-13) TTAV(-13)		YSY-28(-79) a_3(-79) YYS-28(-79) VVTN-28(-257)		YSY-H_2O(14) b_3-H_2O(14) YYS-H_2O(14) VVTN-H_2O(-159)		YSY(-41) b_3(-41) YYS(-41) VVTN(-207)	y_8-H_2O^{+2}(-152)
479.2080	**483.2007**	**487.2414**	**501.2088**	**588.2858**	**618.2288**	**628.2002**	**646.2391**	**664.2527**	**670.3213**
	YSYS-H_2O(27) b_4-H_2O(27) VVTNP-28(-190)	y_4(-20)	YSYS(22) b_4(22)	y_5(-22)	a_5-H_2O(-44)		b_5-H_2O(-18) YYSYS-H_2O(-18) y_{12}-H_2O^{+2}(-141)	b_5(-13) YYSYS(-13)	TTAVVTN-NH_3(-29) y_6-NH_3(-29)
687.3446	**702.3216**	**718.3428**	**720.3279**	**751.2618**	**768.8913**	**786.4093**	**857.4704**	**905.4237**	**958.5429**
TTAVVTN(-33) y_6(-33)				b_6(-42)		y_7(-33)	y_8(-2.7)	MH^{+2}(-7.7)	y_9(23)

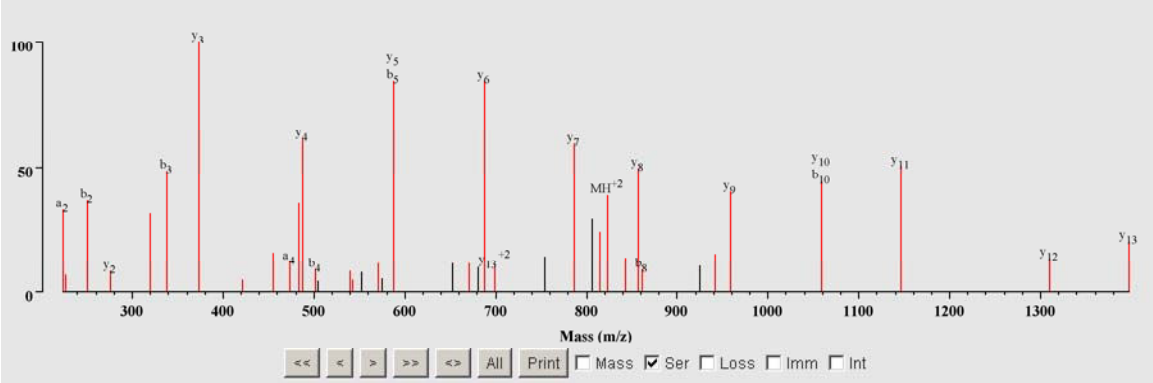
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S 16	---	---
251.1026	---	2	Y 15	1722.8221	861.9147
414.1660	---	3	Y 14	1559.7588	780.3830
501.1980	---	4	S 13	1396.6955	698.8514
664.2613	---	5	Y 12	1309.6634	655.3353
751.2933	---	6	S 11	1146.6001	573.8037
852.3410	---	7	T 10	1059.5681	530.2877
953.3887	---	8	T 9	958.5204	479.7638
1024.4258	---	9	A 8	857.4727	429.2400
1123.4942	---	10	V 7	786.4356	393.7214
1222.5626	---	11	V 6	687.3672	344.1872
1323.6103	---	12	T 5	588.2988	294.6530
1437.6533	---	13	N 4	487.2511	244.1292
1534.7060	---	14	P 3	373.2082	187.1077

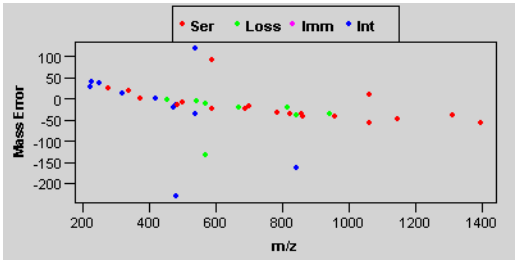
1662.8010	831.9041	15	**K**	2	276.1554	138.5813
---	---	16	**E**	1	148.0604	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYSTTAVVTNPKE^{+2}



Max Intensity: **54.5**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **91.5%** Matched Series Intensity: **91.0%**



Sequence: SYSYSTTAVVTNPKE
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C72 H112 N17 O27

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1647.7898	1646.7908	824.3986	823.8990

[–] **Peak Matches**

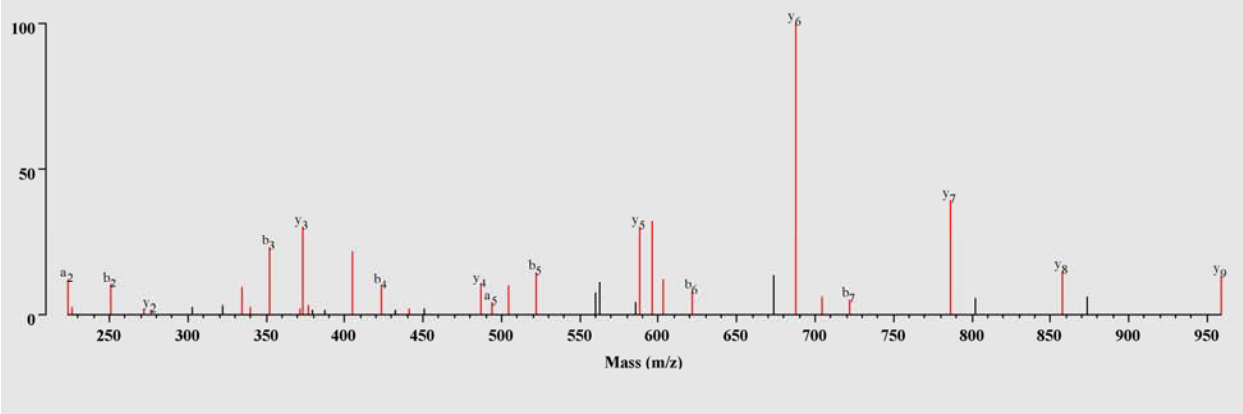
223.1138	226.1646	251.1117	276.1625	320.1281	338.1411	373.2087	421.1720	455.1919	473.1942
YS-28(27) a_2(27) SY-28(27)	PK(42)	YS(36) b_2(36) SY(36)	y_2(26)	b_3-H_2O(13) SYS-H_2O(13)	SYS(19) b_3(19)	TTAV(1.4) y_3(1.4)	SYST-H_2O(0.53)	a_4-H_2O(-1.3)	a_4(-19) YSYS-28(-19)
483.1809	**487.2436**	**501.1934**	**504.2084**	**540.2949**	**542.2213**	**552.2072**	**570.2129**	**575.2383**	**588.2849**
b_4-H_2O(-14) YSYS-H_2O(-14) VVTNP-28(-231)	y_4(-15)	YSYS(-9.2) b_4(-9.2)		SYSTT(120) VTNPK(-35)	a_5-H_2O(-6.0)		b_5-H_2O(-11) y_5-H_2O(-132)		b_5(93) y_5(-24)
653.2478	**671.2540**	**680.8253**	**687.3522**	**698.8397**	**754.2813**	**786.4099**	**805.8749**	**814.8779**	**823.8685**
	b_6-H_2O(-20)		TTAVVTN(-22) y_6(-22)	y_{13}^{+2}(-17)		y_7(-33)		MH-H_2O^{+2}(-19)	MH^{+2}(-37)
843.3189	**857.4424**	**861.3262**	**924.3648**	**942.3850**	**958.4803**	**1059.5091**	**1146.5446**	**1309.6128**	**1396.6166**
b_8-H_2O(-39) STTAVVTNP-28(-164)	y_8(-35)	b_8(-42)		b_9-H_2O(-37)	y_9(-42)	b_{10}(9.2) y_{10}(-56)	y_{11}(-48)	y_{12}(-39)	y_{13}(-56)

[–] **Main Sequence Ions**

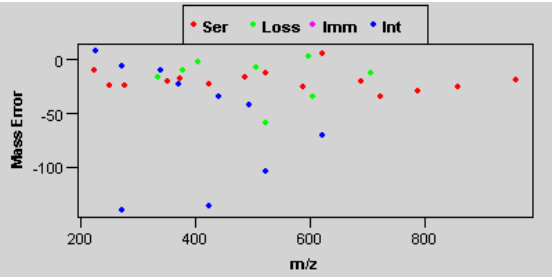
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1559.7588	780.3830
338.1347	---	3	S	13	1396.6955	698.8514
501.1980	---	4	Y	12	1309.6634	655.3353
588.2300	---	5	S	11	1146.6001	573.8037
689.2777	---	6	T	10	1059.5681	530.2877
790.3254	---	7	T	9	958.5204	479.7638
861.3625	---	8	A	8	857.4727	429.2400
960.4309	---	9	V	7	786.4356	393.7214
1059.4993	---	10	V	6	687.3672	344.1872
1160.5470	---	11	T	5	588.2988	294.6530
1274.5899	---	12	N	4	487.2511	244.1292
1371.6427	---	13	P	3	373.2082	187.1077
1499.7377	750.3725	14	K	2	276.1554	138.5813
---	---	15	E	1	148.0604	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTAVVTNPKE^{+2}



Max Intensity: **27.3**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **87.7%** Matched Series Intensity: **86.9%**



Sequence SYTAVVTNPKE
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C53 H86 N13 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1209.3495	1208.6157	605.1785	604.8115

[–] **Peak Matches**

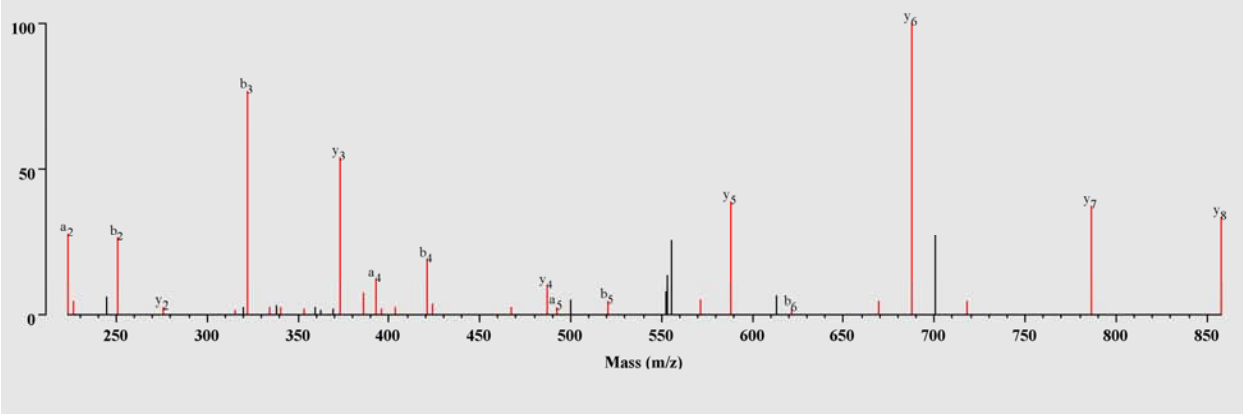
223.1054	226.1568	251.0967	272.1588	276.1488	303.1694	322.1293	334.1342	340.1945	352.1428
a_2(-10)	PK(7.9)	b_2(-24)	TAV(-6.2) VVT-28(-140)	y_2(-24)			b_3-H_2O(-17)	NPK(-10)	b_3(-21)
371.2202	**373.2015**	**377.1781**	**379.1734**	**387.1624**	**405.1756**	**423.1776**	**432.2131**	**441.2308**	**451.1655**
TAVV(-23) AVVT(-23)	y_3(-18)	a_4-H_2O(-10)			b_4-H_2O(-3.1)	b_4(-23) TNPK-H_2O(-136)		TNPK(-34)	
487.2435	**494.2404**	**504.2415**	**522.2489**	**560.2705**	**562.2640**	**585.2776**	**588.2835**	**595.8076**	**603.2934**
y_4(-16)	a_5(-42) VVTNP-NH_3(-42)	b_5-H_2O(-7.5)	b_5(-13) b_{10}-H_2O^{+2}(-59) VTNPK-H_2O(-104)				y_5(-26)	MH-H_2O^{+2}(2.3)	b_6-H_2O(-34)
621.3275	**673.3512**	**687.3537**	**704.3523**	**722.3464**	**786.4119**	**802.3917**	**857.4510**	**873.4255**	**958.5019**
b_6(5.2) VVTNPK-H_2O(-71)		y_6(-20)	b_7-H_2O(-13)	b_7(-35)	y_7(-30)		y_8(-25)		y_9(-19)

[–] **Main Sequence Ions**

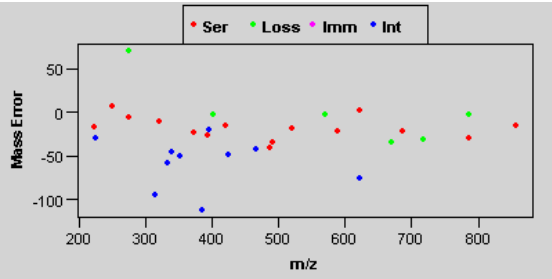
b	b^{+2}			y	y^{+2}
---	---	1	**S** 11	---	---
251.1026	---	2	**Y** 10	1121.5837	561.2955
352.1503	---	3	**T** 9	958.5204	479.7638
423.1874	---	4	**A** 8	857.4727	429.2400
522.2558	---	5	**V** 7	786.4356	393.7214
621.3243	---	6	**V** 6	687.3672	344.1872
722.3719	---	7	**T** 5	588.2988	294.6530
836.4149	---	8	**N** 4	487.2511	244.1292
933.4676	---	9	**P** 3	373.2082	187.1077
1061.5626	531.2849	10	**K** 2	276.1554	138.5813
---	---	11	**E** 1	148.0604	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAVVTNPKE^{+2}



Max Intensity: **13.4**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **82.7%** Matched Series Intensity: **82.7%**



Sequence SYAVVTNPKE

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C49 H79 N12 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1108.2438	1107.5681	554.6256	554.2877

[–] **Peak Matches**

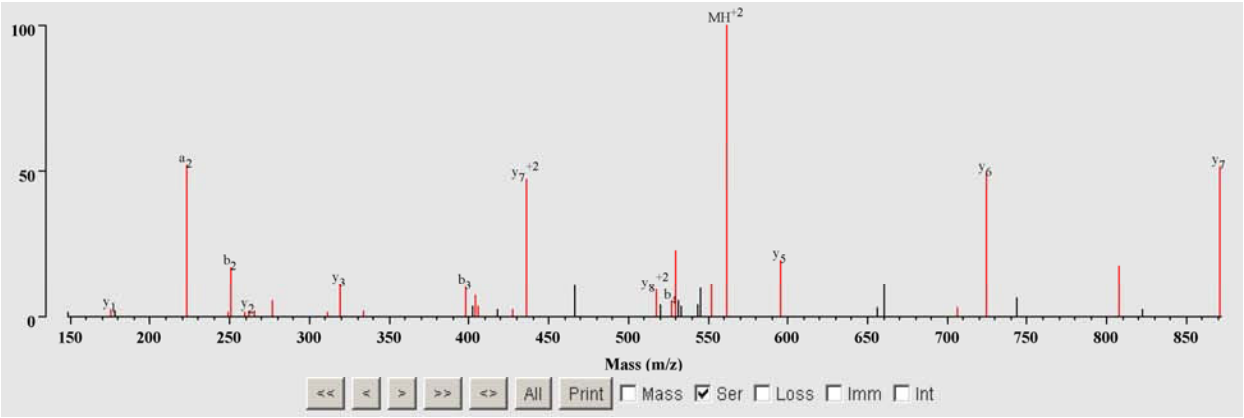
223.1040	226.1483	245.1109	251.1042	276.1536	315.1363	320.1177	322.1361	334.1567	338.1271
a_2(-17)	PK(-30)		b_2(6.2)	a_3-H_2O(70) y_2(-6.5)	VTN(-95)		b_3(-11)	YAV(-58)	
340.1823	**353.2004**	**359.1668**	**362.1633**	**369.1896**	**373.1996**	**386.1964**	**393.2032**	**396.2158**	**403.1965**
NPK(-46)	AVVT-H_2O(-51)				y_3(-23)	VVTN-28(-112)	a_4(-26)	VVTN-H_2O(-21)	b_4-H_2O(-2.7)
421.2016	**424.1985**	**467.2412**	**487.2309**	**492.2644**	**500.2557**	**520.2672**	**552.2519**	**553.2288**	**555.2320**
b_4(-16)	TNPK-NH_3(-48)	AVVTN-H_2O(-43)	y_4(-41)	a_5(-35)		b_5(-18)			
571.2706	**588.2858**	**613.3082**	**621.3251**	**669.3340**	**687.3518**	**700.3539**	**718.3174**	**786.4119**	**857.4593**
y_5-NH_3(-2.8)	y_5(-22)		b_6(1.4) VVTNPK-H_2O(-75)	y_6-H_2O(-34)	y_6(-22)		b_7-NH_3(-32)	a_8-H_2O(-3.3) y_7(-30)	y_8(-16)

[–] **Main Sequence Ions**

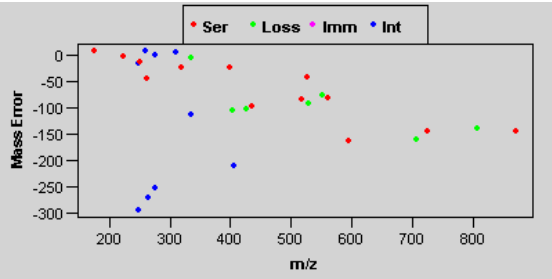
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1020.5360	510.7717
322.1397	---	3	A	8	857.4727	429.2400
421.2082	---	4	V	7	786.4356	393.7214
520.2766	---	5	V	6	687.3672	344.1872
621.3243	---	6	T	5	588.2988	294.6530
735.3672	---	7	N	4	487.2511	244.1292
832.4199	---	8	P	3	373.2082	187.1077
960.5149	480.7611	9	K	2	276.1554	138.5813
---	---	10	E	1	148.0604	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)EYLGSR^{+2}



Max Intensity: **39.4**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **86.6%** Matched Series Intensity: **82.4%**



Sequence: SYM(Oxidation)EYLGSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C48 H73 N12 O17 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1122.0875	1121.4932	561.5474	561.2502

[–] Peak Matches

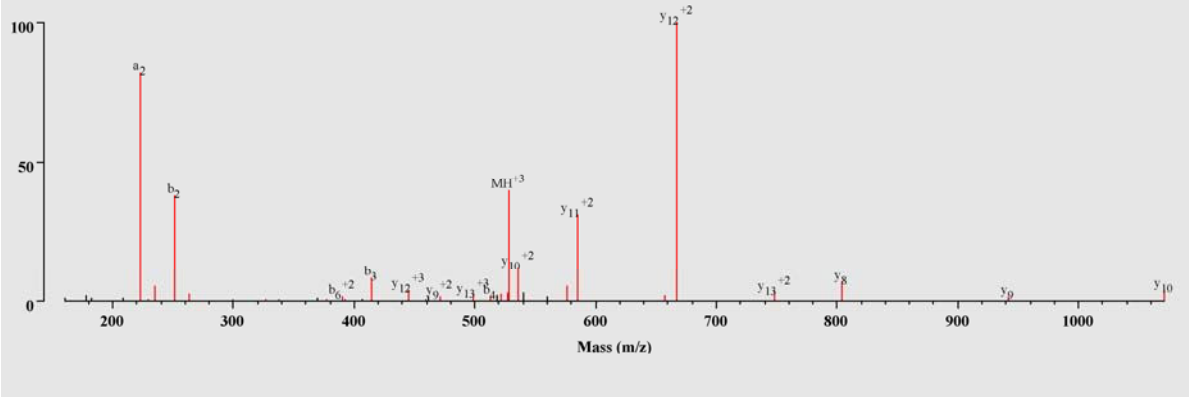
148.0464	175.1202	178.0881	223.1069	249.0862	251.0991	259.0763	262.1393	265.0463	277.0847
	y_1(7.1)		a_2(-3.7)	M(Oxidation)E-28(-17) YL-28(-295)	b_2(-14)	M(Oxidation)E-H_2O(6.2)	y_2(-45)	EY-28(-272)	M(Oxidation)E(-2.1) YL(-252)
311.1077	**319.1646**	**334.1379**	**398.1279**	**402.1924**	**404.1609**	**406.1115**	**418.1550**	**427.1530**	**436.1599**
YM(Oxidation)(5.5)	y_3(-25)	b_3-$SOCH_4$(-5.5) YLG(-114)	b_3(-25)		y_7-$SOCH_4^{+2}$(-105)	EYL(-211)		y_7-H_2O^{+2}(-104)	y_7^{+2}(-98)
466.1929	**517.6902**	**520.1931**	**527.1577**	**529.2021**	**531.2286**	**533.3093**	**543.7539**	**544.7629**	**552.2030**
	y_8^{+2}(-85)		b_4(-43)	MH-$SOCH_4^{+2}$(-93)					MH-H_2O^{+2}(-76)
561.2035	**595.2221**	**656.1973**	**660.2641**	**706.2379**	**724.2577**	**743.2885**	**807.2869**	**822.4091**	**871.2722**
MH^{+2}(-83)	y_5(-164)			y_6-H_2O(-161)	y_6(-145)		y_7-$SOCH_4$(-140)		y_7(-144)

[–] Main Sequence Ions

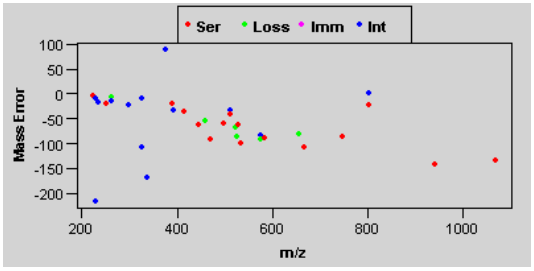
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1034.4612	517.7342
398.1380	3	M(Oxidation)	871.3978	436.2026
527.1806	4	E	724.3624	362.6849
690.2440	5	Y	595.3198	298.1636
803.3280	6	L	432.2565	216.6319
860.3495	7	G	319.1724	160.0899
947.3815	8	S	262.1510	131.5791
---	9	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYVEHQAKAGSDK^{+3}



Max Intensity: **9189**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **94.4%** Matched Series Intensity: **94.0%**



Sequence SYYVEHQAKAGSDK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C69 H104 N19 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1583.7080	1582.7496	792.3577	791.8784	528.5743	528.2547

[–] **Peak Matches**

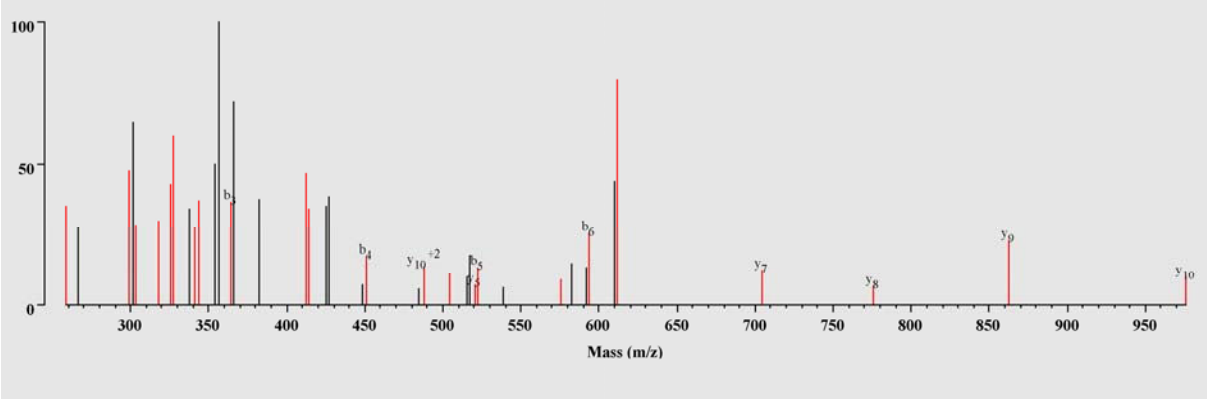
160.0757	178.0856	182.0821	209.1038	223.1069	229.1162	235.1400	251.0976	263.1347	299.1320
				a_2(-3.7)	VE(-9.1) KAG-28(-217)	YV-28(-17)	b_2(-20)	y_8-NH_3^{+3}(-6.2) YV(-16)	YY-28(-23)
327.1311	**338.1250**	**369.1324**	**377.1905**	**390.1639**	**392.1684**	**406.6800**	**414.1511**	**444.8614**	**459.1945**
YY(-8.7) KAGS-NH_3(-108)	VEH-28(-169)		EHQ-H_2O(89)	b_6^{+2}(-20)	YVE(-34)		b_3(-36)	y_{12}^{+3}(-63)	KAGSD(-55) y_5-H_2O(-55)
461.1983	**471.2001**	**499.2136**	**513.2127**	**518.7545**	**522.2153**	**526.7145**	**527.7597**	**528.2207**	**535.7116**
	y_9^{+2}(-92)	y_{13}^{+3}(-61)	AKAGSD-NH_3(-34) b_4(-42)		MH-H_2O^{+3}(-69)	y_{10}-H_2O^{+2}(-86)		MH^{+3}(-64)	y_{10}^{+2}(-99)
540.7195	**560.2512**	**576.2405**	**585.2463**	**657.7716**	**666.7580**	**748.2971**	**804.4017**	**941.3465**	**1070.3775**
		HQAKAG-NH_3(-84) EHQAK-H_2O(-84) y_{11}-H_2O^{+2}(-93)	y_{11}^{+2}(-90)	y_{12}-H_2O^{+2}(-82)	y_{12}^{+2}(-109)	y_{13}^{+2}(-87)	VEHQAKAG-NH_3(2.3) y_8(-24)	y_9(-142)	y_{10}(-135)

[–] **Main Sequence Ions**

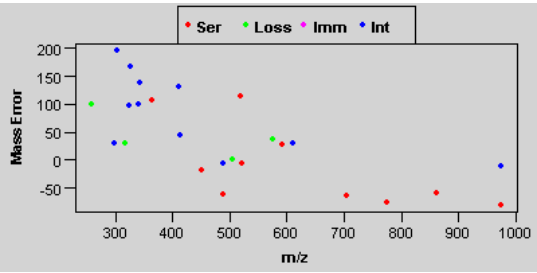
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1495.7176	748.3624
414.1660	---	3	**Y**	12	1332.6543	666.8308
513.2344	---	4	**V**	11	1169.5909	585.2991
642.2770	---	5	**E**	10	1070.5225	535.7649
779.3359	390.1716	6	**H**	9	941.4799	471.2436
907.3945	454.2009	7	**Q**	8	804.4210	402.7141
978.4316	489.7194	8	**A**	7	676.3624	338.6849
1106.5265	553.7669	9	**K**	6	605.3253	303.1663
1177.5636	589.2855	10	**A**	5	477.2304	239.1188
1234.5851	617.7962	11	**G**	4	406.1932	203.6003
1321.6171	661.3122	12	**S**	3	349.1718	175.0895
1436.6441	718.8257	13	**D**	2	262.1397	131.5735
---	---	14	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLSAALASSQK^{+2}



Max Intensity: **14.5**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **53.1%** Matched Series Intensity: **53.1%**



Sequence SYLSAALASSQK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C53 H89 N14 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1226.3802	1225.6423	613.6938	613.3248

[–] **Peak Matches**

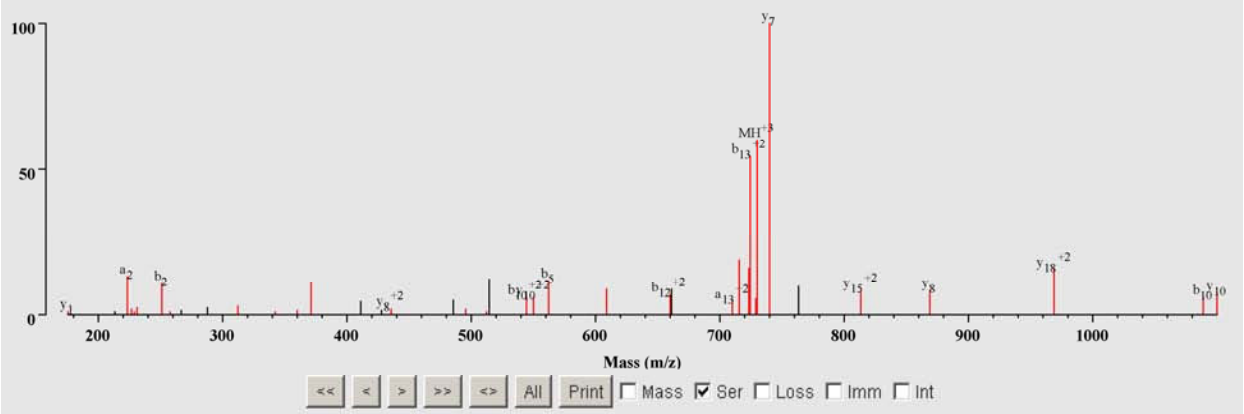
258.1706	266.2093	299.2163	301.2397	303.1893	318.1911	325.2183	327.2575	337.2329	341.2157
y_2-NH_3(100)		AALA-28(29)		SSQ(196)	a_3-H_2O(31)	LSAA-H_2O(96) SAAL-H_2O(96) ALAS-H_2O(96)	AALA(168)		LASS-H_2O(99)
343.2448	**354.2281**	**356.2741**	**364.2258**	**366.2696**	**382.2258**	**412.2735**	**414.2531**	**425.2620**	**427.1983**
LSAA(138) SAAL(138) ALAS(138)			YLS(107) b_3(107)			ALASS-H_2O(132)	SAALA(44) AALAS(44)		
448.2217	**451.2100**	**484.2927**	**488.2474**	**504.2458**	**515.2387**	**516.7909**	**520.3316**	**522.2525**	**538.2716**
	b_4(-19)		YLSAA-H_2O(-6.1) y_{10}^{+2}(-61)	b_5-H_2O(1.0)			y_5(113)	b_5(-6.4)	
575.3043	**582.3420**	**592.3232**	**593.3094**	**610.3405**	**611.3322**	**704.3479**	**775.3713**	**862.4129**	**975.4681**
b_6-H_2O(38)			b_6(28)		AALASSQ-H_2O(29)	y_7(-65)	y_8(-77)	y_9(-58)	YLSAALASSQ-NH_3(-10) y_{10}(-81)

[–] **Main Sequence Ions**

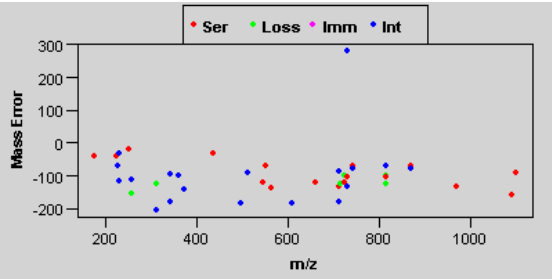
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1138.6103	569.8088
364.1867	3	L	10	975.5469	488.2771
451.2187	4	S	9	862.4629	431.7351
522.2558	5	A	8	775.4308	388.2191
593.2930	6	A	7	704.3937	352.7005
706.3770	7	L	6	633.3566	317.1819
777.4141	8	A	5	520.2726	260.6399
864.4462	9	S	4	449.2354	225.1214
951.4782	10	S	3	362.2034	181.6053
1079.5368	11	Q	2	275.1714	138.0893
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYIPTLRSGIVMEVPPGNTR^{+3}



Max Intensity: **114**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **89.5%** Matched Series Intensity: **87.4%**



Sequence: SYIPTLRSGIVMEVPPGNTR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C96 H160 N27 O29 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2188.5696	2187.1590	1094.7885	1094.0832	730.1948	729.7245

[–] Peak Matches

175.1121	213.0881	223.0985	227.0983	229.1108	231.0890	251.0974	258.1161	267.1029	288.1938
y_1(-39)		a_2(-41)	RS-NH_3(-69)	EV(-33)	VM(-118)	b_2(-21)	SGI(-111) y_2-H_2O(-155)		
312.1276	**342.1151**	**360.1220**	**371.1879**	**411.1865**	**428.1927**	**435.2125**	**485.7238**	**495.2119**	**512.2077**
y_6-H_2O^{+2}(-125) IPT(-206) PTL(-206)	VME-H_2O(-97) MEV-H_2O(-97) PGNT-28(-181)	VME(-102) MEV(-102)	TLR(-141)			y_8^{+2}(-34)		RSGIV-H_2O(-186)	GIVME-H_2O(-90)
514.2724	**544.7421**	**550.2427**	**562.2082**	**609.2603**	**659.7845**	**661.2682**	**710.2917**	**715.2895**	**723.6487**
	b_{10}^{+2}(-122)	y_{10}^{+2}(-71)	b_5(-140)	LRSGIV-NH_3(-183)	b_{12}^{+2}(-119)		VMEVPPG(-88) a_{13}^{+2}(-134) TLRSGIV-NH_3(-180)	b_{13}-H_2O^{+2}(-125)	MH-H_2O^{+3}(-100)
724.2980	**729.3472**	**729.6489**	**740.3530**	**763.8328**	**813.3597**	**869.3853**	**968.9069**	**1088.4394**	**1099.4543**
b_{13}^{+2}(-119)	LRSGIVM-28(-133)	LRSGIVM-28(281) MH^{+3}(-104)	y_7(-70) LRSGIVM-NH_3(-80)		SGIVMEVP(-71) b_{15}-H_2O^{+2}(-98) y_{15}^{+2}(-103) YIPTLRS-H_2O(-125) b_7-H_2O(-125)	y_8(-72) LRSGIVME-NH_3(-80)	y_{18}^{+2}(-133)	b_{10}(-157)	y_{10}(-93)

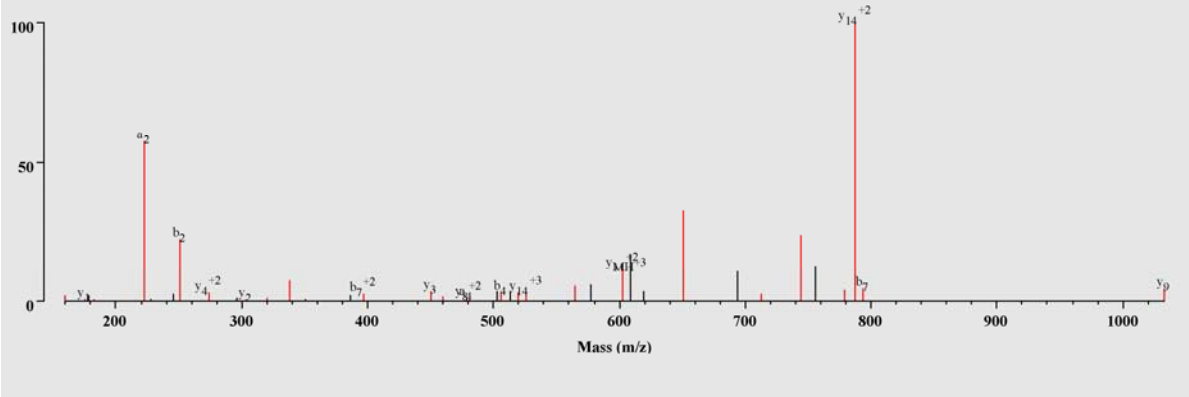
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	20	---	---
251.1026	---	2	**Y**	19	2100.1270	1050.5671
364.1867	---	3	**I**	18	1937.0637	969.0355
461.2395	---	4	**P**	17	1823.9796	912.4935
562.2871	---	5	**T**	16	1726.9269	863.9671
675.3712	---	6	**L**	15	1625.8792	813.4432
831.4723	416.2398	7	**R**	14	1512.7951	756.9012
918.5043	459.7558	8	**S**	13	1356.6940	678.8506
975.5258	488.2665	9	**G**	12	1269.6620	635.3346
1088.6099	544.8086	10	**I**	11	1212.6405	606.8239
1187.6783	594.3428	11	**V**	10	1099.5565	550.2819
1318.7188	659.8630	12	**M**	9	1000.4880	500.7477
1447.7614	724.3843	13	**E**	8	869.4476	435.2274

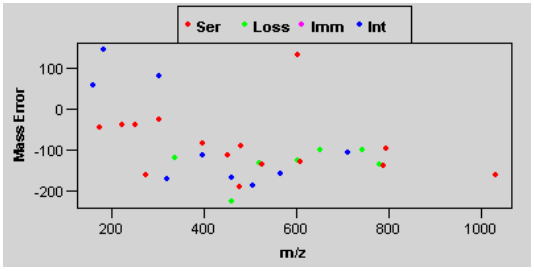
1546.8298	773.9185	14	**V**	7	740.4050	370.7061
1643.8825	822.4449	15	**P**	6	641.3365	321.1719
1740.9353	870.9713	16	**P**	5	544.2838	272.6455
1797.9568	899.4820	17	**G**	4	447.2310	224.1191
1911.9997	956.5035	18	**N**	3	390.2096	195.6084
2013.0474	1007.0273	19	**T**	2	276.1666	138.5870
---	---	20	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYRVDATAVTDVPFQR^{+3}



Max Intensity: **203**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **82.5%** Matched Series Intensity: **81.3%**



Sequence SYRVDATAVTDVPFQR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C80 H126 N23 O26

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1826.0313	1824.9239	913.5194	912.9656	609.3487	608.9795

[–] **Peak Matches**

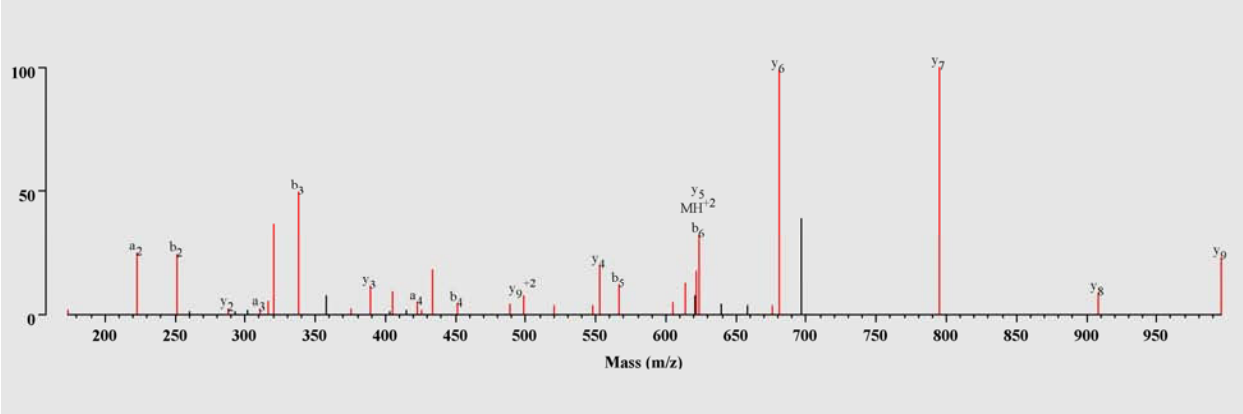
159.0858	175.1108	178.0814	183.1394	223.0985	228.1020	246.1151	251.0929	274.1084	296.2486
DA-28(59)	y_1(-47)		VT-H_2O(145)	a_2(-41)			b_2(-39)	y_4^{+2}(-163)	
303.1691	**320.1167**	**338.1183**	**350.2147**	**386.1986**	**397.1628**	**450.1940**	**460.1622**	**478.1862**	**481.2145**
YR-NH_3(79) y_2(-28)	YR(-172)	b_6-NH_3^{+2}(-119)			b_7^{+2}(-83) VTDV-H_2O(-114)	y_3(-115)	TAVTD-28(-169) a_4-H_2O(-227)	a_4(-190)	y_8^{+2}(-92)
502.7102	**506.1769**	**513.2106**	**519.5418**	**525.5429**	**565.2079**	**577.7300**	**602.8998**	**608.9006**	**609.2463**
	b_4(-188) YRVD-28(-188)		y_{14}-H_2O^{+3}(-133)	y_{14}^{+3}(-136)	AVTDVP-H_2O(-159)		y_{11}^{+2}(133) MH-H_2O^{+3}(-126)	MH^{+3}(-130)	
619.2593	**651.2627**	**694.2337**	**712.2908**	**744.2929**	**755.8059**	**778.8064**	**787.8067**	**793.3068**	**1032.3802**
	y_{12}-H_2O^{+2}(-100)		AVTDVPF-H_2O(-106)	y_6-NH_3(-100)		y_{14}-H_2O^{+2}(-136)	y_{14}^{+2}(-141)	b_7(-97)	y_9(-162)

[–] **Main Sequence Ions**

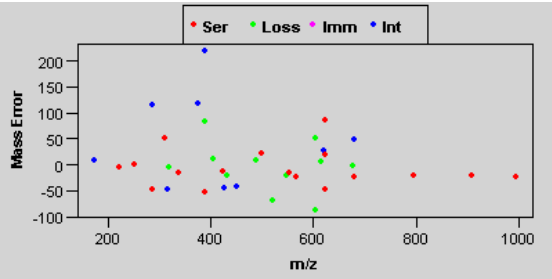
b	b^{+2}				y	y^{+2}
---	---	1	S	16	---	---
251.1026	---	2	Y	15	1737.8919	869.4496
407.2037	204.1055	3	R	14	1574.8285	787.9179
506.2722	253.6397	4	V	13	1418.7274	709.8673
621.2991	311.1532	5	D	12	1319.6590	660.3331
692.3362	346.6717	6	A	11	1204.6321	602.8197
793.3839	397.1956	7	T	10	1133.5949	567.3011
864.4210	432.7141	8	A	9	1032.5473	516.7773
963.4894	482.2483	9	V	8	961.5102	481.2587
1064.5371	532.7722	10	T	7	862.4417	431.7245
1179.5640	590.2857	11	D	6	761.3941	381.2007
1278.6325	639.8199	12	V	5	646.3671	323.6872
1375.6852	688.3462	13	P	4	547.2987	274.1530
1522.7536	761.8805	14	F	3	450.2459	225.6266
1650.8122	825.9097	15	Q	2	303.1775	152.0924
---	---	16	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSIDGAYTIR^{+2}



Max Intensity: **10.8**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **88.8%** Matched Series Intensity: **87.9%**



Sequence SYSIDGAYTIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C55 H85 N14 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1246.3705	1245.6110	623.6890	623.3091

[–] **Peak Matches**

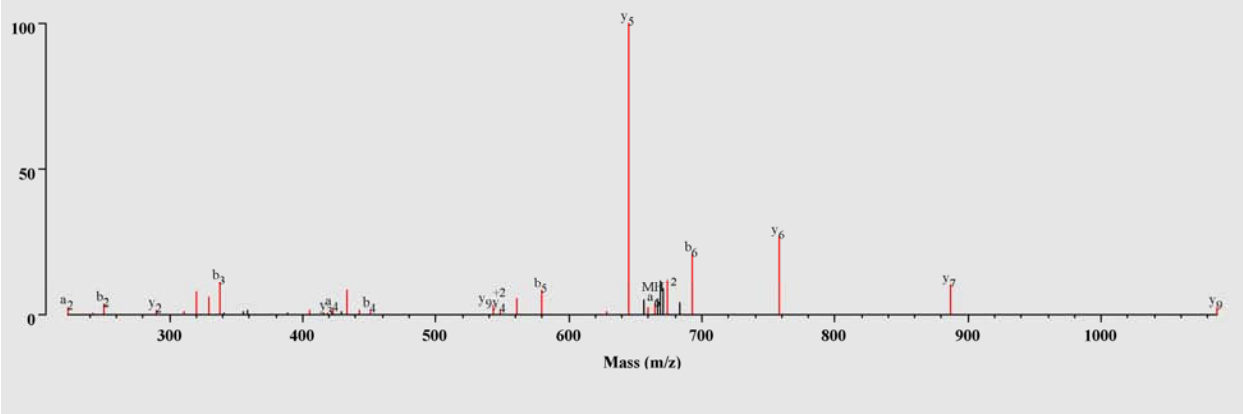
173.1297	223.1068	251.1027	260.1826	288.1888	293.1202	302.1419	310.1557	316.1352	320.1228
SI-28(7.2)	YS-28(-4.1) a_2(-4.1)	YS(0.27) b_2(0.27)		SID-28(116) y_2(-49)			a_3(51)	SID(-48)	b_3-H_2O(-4.1)
338.1289	**358.1808**	**375.2101**	**389.2306**	**403.1623**	**405.2175**	**415.1897**	**423.2185**	**426.1795**	**433.1996**
b_3(-17)		GAYT-H_2O(117)	DGAY-H_2O(219) y_7-H_2O^{+2}(83) y_3(-52)		a_4-H_2O(10)		a_4(-13)	SIDGA-H_2O(-44)	b_4-H_2O(-20)
451.1997	**489.2596**	**498.2719**	**520.2046**	**548.2243**	**552.3053**	**566.2324**	**605.2875**	**614.3072**	**620.3134**
b_4(-42) YSID-28(-42)	y_9-H_2O^{+2}(7.0)	y_9^{+2}(21)	IDGAY(-68) a_5-H_2O(-68)	b_5-H_2O(-20)	y_4(-16)	b_5(-23)	b_6-H_2O(51) y_5-H_2O(-88)	MH-H_2O^{+2}(5.4)	
621.3039	**623.3203**	**639.3040**	**658.2846**	**676.2919**	**680.3569**	**696.3418**	**795.3821**	**908.4651**	**995.4923**
DGAYTI(26) IDGAYT(26)	b_6(85) MH^{+2}(18) y_5(-49)			b_7-H_2O(-2.6)	SIDGAYT-28(47) y_6(-23)		y_7(-22)	y_8(-20)	y_9(-23)

[–] **Main Sequence Ions**

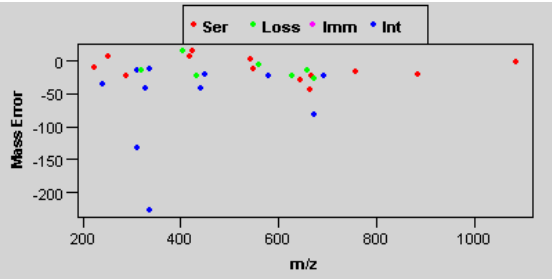
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1158.5790	579.7931
338.1347	3	S	9	995.5156	498.2615
451.2187	4	I	8	908.4836	454.7454
566.2457	5	D	7	795.3995	398.2034
623.2671	6	G	6	680.3726	340.6899
694.3042	7	A	5	623.3511	312.1792
857.3676	8	Y	4	552.3140	276.6606
958.4153	9	T	3	389.2507	195.1290
1071.4993	10	I	2	288.2030	144.6051
---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSIQIPEEDR^{+2}



Max Intensity: **21.4**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **85.8%** Matched Series Intensity: **85.3%**



Sequence SYSIQIPEEDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H90 N15 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1337.4374	1336.6379	669.2224	668.8226

[–] **Peak Matches**

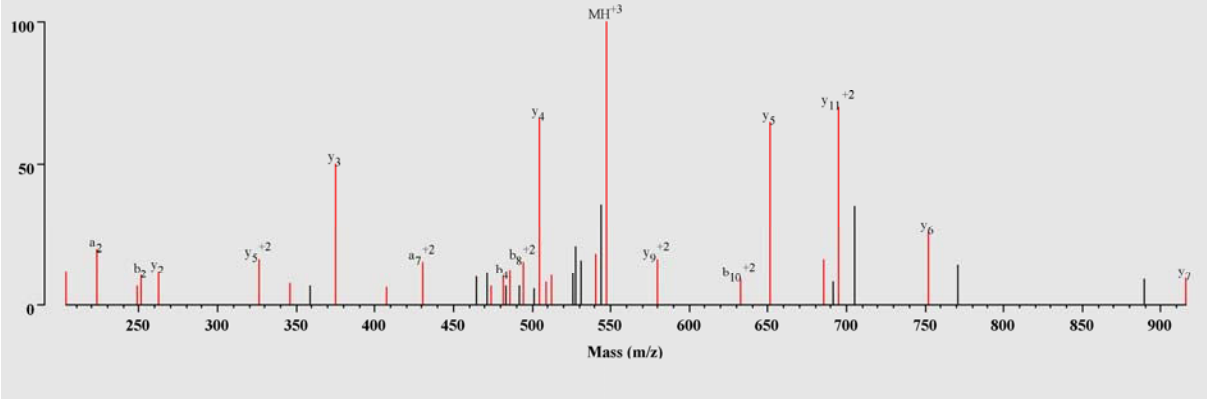
223.1054	242.1414	251.1042	290.1396	311.1667	320.1194	329.1681	338.1306	341.0277	355.0653
YS-28(-10) a_2(-10)	QI(-35) IQ(-35)	YS(6.2) b_2(6.2)	y_2(-22)	SIQ-H_2O(-15) QIP-28(-132)	b_3-H_2O(-15)	SIQ(-42)	b_3(-12) PEE-H_2O(-12) IQI-NH_3(-227)		
359.0197	**388.1781**	**405.2194**	**415.1839**	**419.1915**	**423.2301**	**429.0822**	**433.1976**	**442.2474**	**451.2097**
		a_4-H_2O(15)		y_3(7.2)	a_4(15)		b_4-H_2O(-24)	SIQI(-42)	b_4(-20) IPEE-H_2O(-20) QIPE-NH_3(-20)
543.2228	**543.7766**	**548.2243**	**561.2635**	**579.2640**	**628.2429**	**645.2650**	**656.3239**	**659.8081**	**664.3381**
	y_9^{+2}(3.1)	y_4(-12)	b_5-H_2O(-5.8)	b_5(-23) QIPEE-H_2O(-23)	y_5-NH_3(-23)	y_5(-29)		MH-H_2O^{+2}(-14)	a_6(-43)
666.3621	**668.8077**	**669.3169**	**671.3288**	**674.3323**	**683.3278**	**692.3462**	**758.3558**	**886.4082**	**1086.5397**
	MH^{+2}(-22)			b_6-H_2O(-27) YSIQIP-28(-81)		b_6(-22) IQIPEE-H_2O(-22)	y_6(-16)	y_7(-21)	y_9(-2.6)

[–] **Main Sequence Ions**

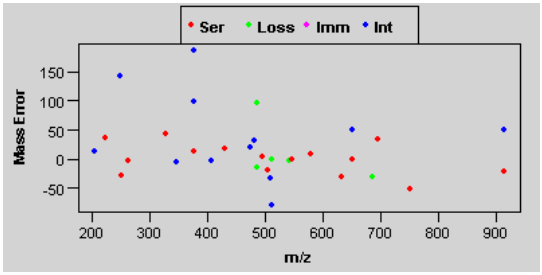
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1249.6059	625.3066
338.1347	3	S 9	1086.5426	543.7749
451.2187	4	I 8	999.5106	500.2589
579.2773	5	Q 7	886.4265	443.7169
692.3614	6	I 6	758.3679	379.6876
789.4141	7	P 5	645.2838	323.1456
918.4567	8	E 4	548.2311	274.6192
1047.4993	9	E 3	419.1885	210.0979
1162.5263	10	D 2	290.1459	145.5766
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVMDKYTFELSR^{+3}



Max Intensity: **2.87**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **75.7%** Matched Series Intensity: **71.5%**



Sequence: SYVMDKYTFELSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C74 H112 N17 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1639.8790	1638.7832	820.4432	819.8952	547.2979	546.9326

[–] **Peak Matches**

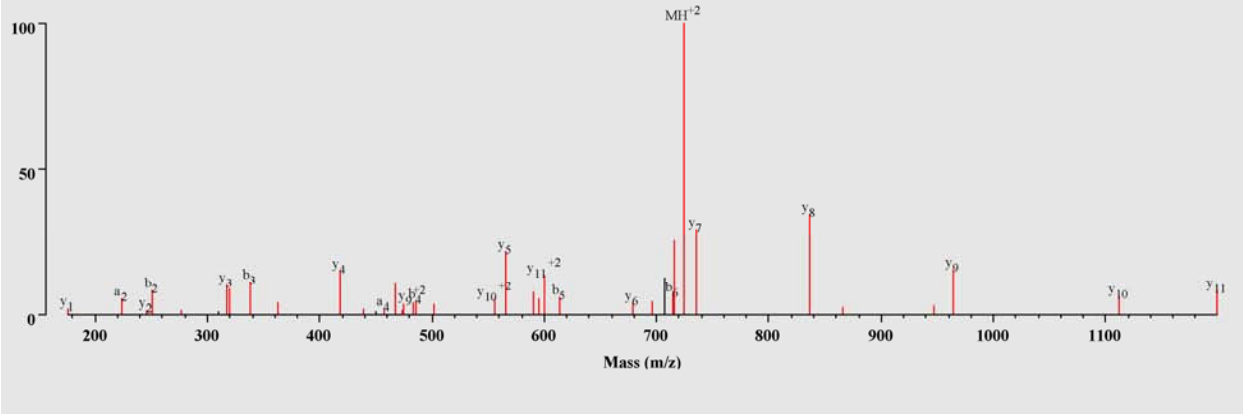
203.1241	223.1155	249.1589	251.0957	262.1501	326.1910	346.1414	359.2073	375.2399	407.1914
VM-28(14)	a_2(35)	TF(143) FE-28(143)	b_2(-28)	y_2(-3.4)	y_5^{+2}(44)	VMD(-5.0)		MDK(187) KYT-H_2O(99) y_3(13)	DKY(-2.7)
430.2122	**464.2190**	**471.2002**	**474.2475**	**481.2267**	**483.2009**	**486.2597**	**492.3095**	**494.7272**	**501.1301**
a_7^{+2}(18)			VMDK(20)	b_4(32) YVMD-28(32)		b_8-NH_3^{+2}(97) y_4-H_2O(-15)		b_8^{+2}(2.7)	
504.2683	**509.1897**	**512.2456**	**526.2801**	**527.2945**	**531.2985**	**540.9267**	**544.3246**	**546.9324**	**579.7984**
y_4(-19)	YVMD(-33)	y_{12}-NH_3^{+3}(-1.6) KYTF-28(-80)				MH-H_2O^{+3}(-4.4)		MH^{+3}(-0.35)	y_9^{+2}(9.1)
632.7614	**651.3454**	**685.8214**	**691.3120**	**694.8710**	**704.8358**	**752.3545**	**770.8556**	**889.3993**	**915.4371**
b_{10}^{+2}(-32)	KYTFE-H_2O(49) y_5(-1.0)	y_{11}-H_2O^{+2}(-30)		y_{11}^{+2}(34)		y_6(-52)			MDKYTFE(50) y_7(-22)

[–] **Main Sequence Ions**

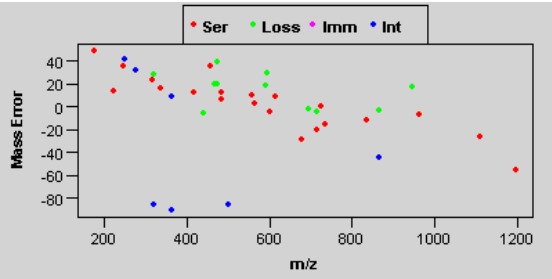
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1551.7512	776.3792
350.1710	---	3	**V**	11	1388.6879	694.8476
481.2115	---	4	**M**	10	1289.6194	645.3134
596.2385	---	5	**D**	9	1158.5790	579.7931
724.3334	362.6704	6	**K**	8	1043.5520	522.2796
887.3968	444.2020	7	**Y**	7	915.4571	458.2322
988.4444	494.7259	8	**T**	6	752.3937	376.7005
1135.5129	568.2601	9	**F**	5	651.3461	326.1767
1264.5555	632.7814	10	**E**	4	504.2776	252.6425
1377.6395	689.3234	11	**L**	3	375.2350	188.1212
1464.6715	732.8394	12	**S**	2	262.1510	131.5791
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSFQTGLFTAAR^{+2}



Max Intensity: **14.8**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **90.1%** Matched Series Intensity: **86.2%**



Sequence SYSFQTGLFTAAR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C66 H98 N17 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1449.6159	1448.7169	725.3117	724.8621

[–] **Peak Matches**

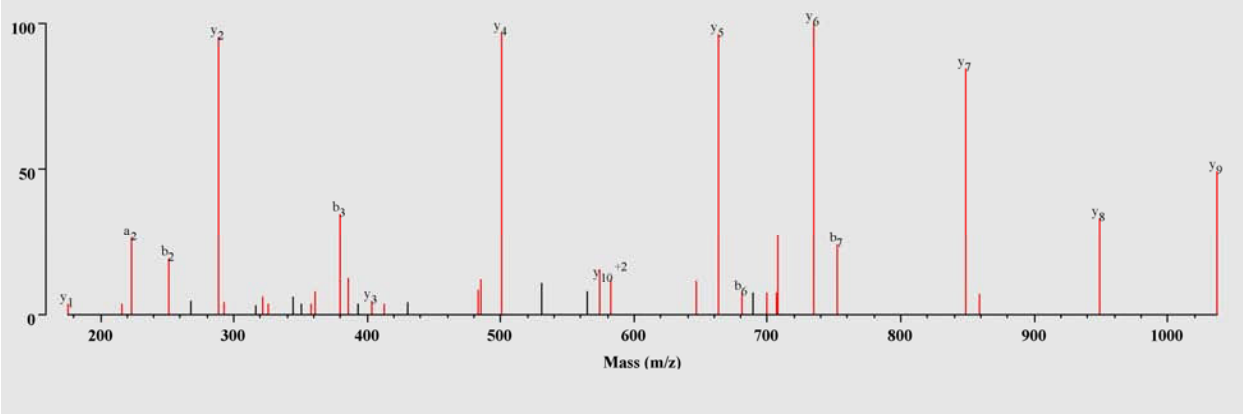
175.1275	223.1109	246.1647	251.1130	276.1431	309.2198	317.2004	320.1331	338.1401	363.1695
y_1(49)	YS-28(14) a_2(14)	y_2(35)	b_2(41) YS(41)	FQ(32)		y_3(23)	b_3-H_2O(28) FTA(-86)	b_3(16)	SFQ(8.8) FTAA-28(-91)
418.2457	**439.1952**	**450.1611**	**457.2243**	**467.2019**	**473.7685**	**474.2692**	**482.7673**	**485.2094**	**502.2226**
y_4(12)	a_4-H_2O(-5.5)		a_4(35)	b_4-H_2O(20)	y_9-H_2O^{+2}(20)	y_9-NH_3^{+2}(39)	y_9^{+2}(6.5)	b_4(13)	TGLFT-H_2O(-86)
556.3037	**565.3108**	**590.8205**	**595.2684**	**599.8119**	**613.2669**	**678.3738**	**696.2969**	**707.4186**	**714.2943**
y_{10}^{+2}(9.6)	y_5(2.7)	y_{11}-H_2O^{+2}(19)	b_5-H_2O(29)	y_{11}^{+2}(-4.1)	b_5(8.6)	y_6(-29)	b_6-H_2O(-2.7)		b_6(-21)
715.8532	**724.4600**	**724.8626**	**735.4032**	**836.4521**	**866.4014**	**946.5265**	**964.5144**	**1111.5608**	**1198.5538**
MH-H_2O^{+2}(-5.0)		MH^{+2}(0.74)	y_7(-16)	y_8(-12)	b_8-H_2O(-3.3) FQTGLFTA(-45)	y_9-H_2O(17)	y_9(-6.9)	y_{10}(-26)	y_{11}(-56)

[–] **Main Sequence Ions**

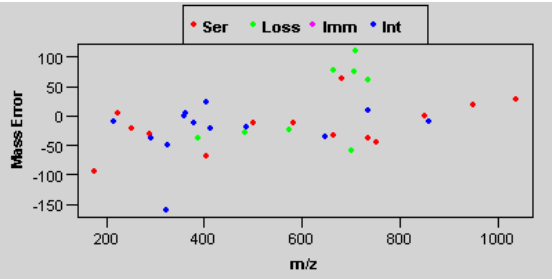
b			y	y^{+2}
---	1	S	13 ---	---
251.1026	2	Y	12 1361.6848	681.3461
338.1347	3	S	11 1198.6215	599.8144
485.2031	4	F	10 1111.5895	556.2984
613.2617	5	Q	9 964.5211	482.7642
714.3093	6	T	8 836.4625	418.7349
771.3308	7	G	7 735.4148	368.2110
884.4149	8	L	6 678.3933	339.7003
1031.4833	9	F	5 565.3093	283.1583
1132.5310	10	T	4 418.2409	209.6241
1203.5681	11	A	3 317.1932	159.1002
1274.6052	12	A	2 246.1561	123.5817
---	13	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYQSTNAYPDLR^{+2}



Max Intensity: **2.46**
Num Matched: **31/40 (22.5% unmatched)** Matched Intensity: **94.3%** Matched Series Intensity: **94.2%**



Sequence SYQSTNAYPDLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C61 H92 N17 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1415.5113	1414.6597	708.2594	707.8335

[–] Peak Matches

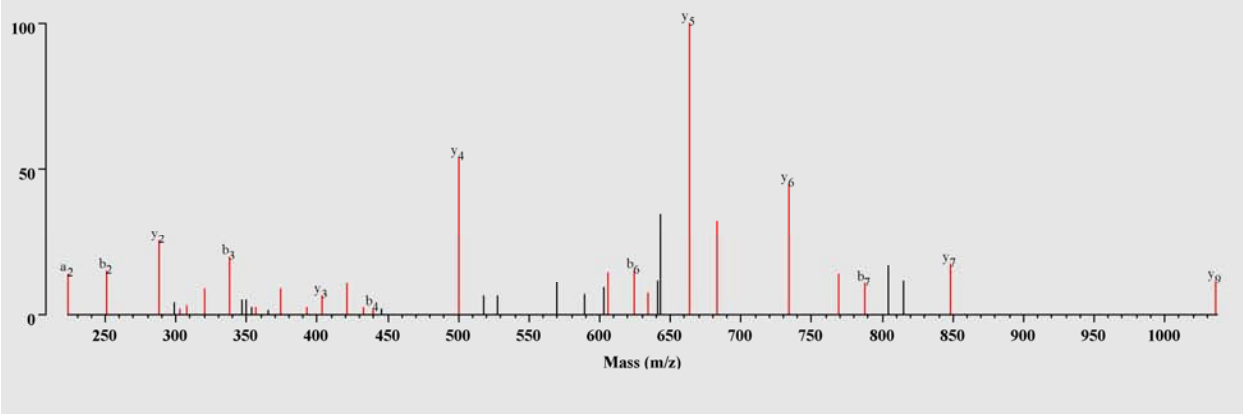
175.1024	216.0958	223.1088	251.0973	268.1332	288.1942	292.1185	316.1273	321.1045	326.1548
y_1(-95)	QS(-9.6) TN(-9.6)	a_2(4.8)	b_2(-21)		y_2(-31)	YQ(-37)		NAY-28(-160)	PDL(-50)
344.1238	**350.1284**	**358.1400**	**361.1520**	**379.1571**	**386.1893**	**393.1698**	**403.2026**	**413.1693**	**430.1713**
		YPD-H_2O(0.71)	b_3-H_2O(3.7) YQS-H_2O(3.7)	b_3(-11) YQS(-11)	y_3-NH_3(-37)		QSTN-28(22) y_3(-68)	QSTN-H_2O(-21)	
483.2425	**485.1899**	**500.2770**	**531.2227**	**564.7918**	**573.7664**	**582.7797**	**646.2966**	**663.3234**	**681.3273**
y_4-NH_3(-28)	QSTNA-NH_3(-19)	y_4(-11)			y_{10}-H_2O^{+2}(-25)	y_{10}^{+2}(-11)	y_5-NH_3(-35) NAYPDL-28(-35)	b_6-H_2O(76) y_5(-34)	b_6(64)
689.2711	**699.2794**	**706.3681**	**707.3772**	**734.3544**	**752.2864**	**848.4249**	**859.3499**	**949.4907**	**1036.5339**
	MH-NH_3^{+2}(-58)	a_7-H_2O(74)	a_7-NH_3(110)	b_7-H_2O(60) QSTNAYP-28(10) y_6(-39)	b_7(-46)	y_7(-1.4)	QSTNAYPD-H_2O(-9.5)	y_8(18)	y_9(27)

[–] Main Sequence Ions

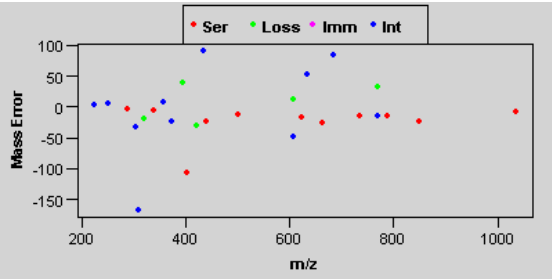
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1327.6277	664.3175
379.1612	3	Q	10	1164.5644	582.7858
466.1932	4	S	9	1036.5058	518.7565
567.2409	5	T	8	949.4738	475.2405
681.2838	6	N	7	848.4261	424.7167
752.3210	7	A	6	734.3832	367.6952
915.3843	8	Y	5	663.3461	332.1767
1012.4371	9	P	4	500.2827	250.6450
1127.4640	10	D	3	403.2300	202.1186
1240.5481	11	L	2	288.2030	144.6051
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTNAYPDLR^{+2}



Max Intensity: **18.5**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **76.7%** Matched Series Intensity: **76.7%**



Sequence SYSTNAYPDLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C56 H84 N15 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1287.3797	1286.6012	644.1936	643.8042

[–] Peak Matches

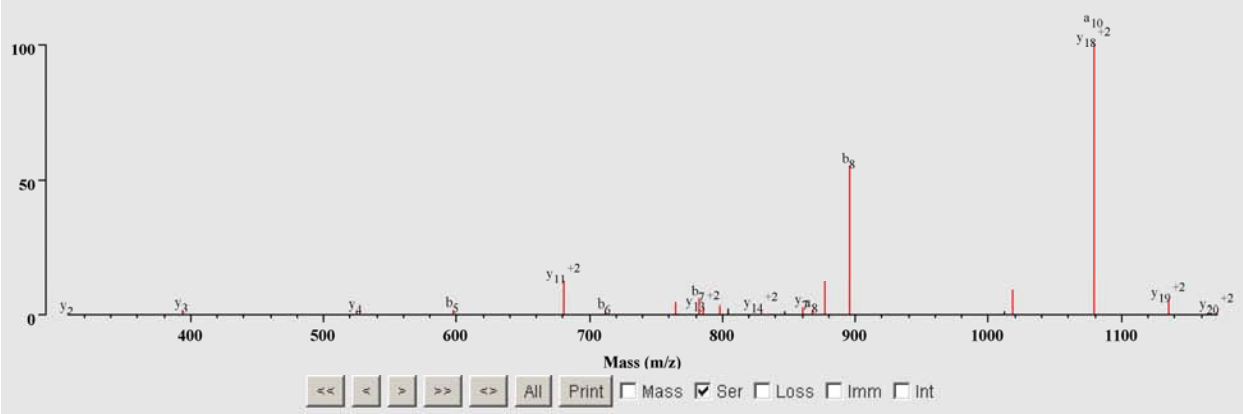
223.1082	**251.1042**	**288.2017**	**299.1500**	**303.1199**	**308.1088**	**320.1177**	**338.1324**	**347.1676**	**350.1456**
a_2(2.2) YS-28(2.2)	b_2(6.2) YS(6.2)	y_2(-4.6)		STN(-33)	PDL-H_2O(-168)	b_3-H_2O(-20)	b_3(-6.7)		
353.1862	**356.1595**	**365.1342**	**374.1584**	**393.1920**	**403.1870**	**421.1589**	**433.2114**	**439.1715**	**445.8595**
	STNA-H_2O(8.5)		STNA(-23)	a_4-H_2O(39)	y_3(-107)	b_4-H_2O(-31)	TNAY-NH_3(91)	b_4(-25)	
500.2769	**518.1859**	**527.7749**	**569.3132**	**589.2343**	**603.3051**	**606.2589**	**624.2518**	**634.3167**	**641.3015**
y_4(-12)						b_6-H_2O(12) STNAYP-28(-48)	b_6(-17)	TNAYPD-28(53) STNAYP(53)	
643.2109	**663.3278**	**683.3253**	**734.3728**	**769.3401**	**787.3147**	**804.4172**	**815.4128**	**848.4063**	**1036.4968**
	y_5(-27)	YSTNAY-NH_3(85)	y_6(-14)	b_7-H_2O(32) YSTNAYP-28(-15)	b_7(-14)			y_7(-23)	y_9(-8.7)

[–] Main Sequence Ions

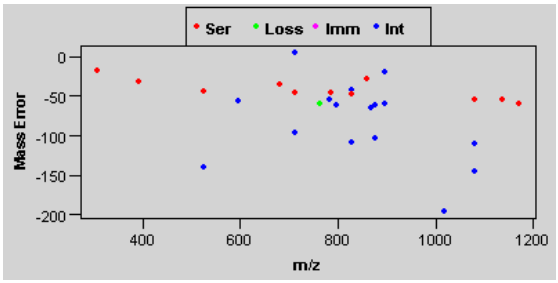
b			y	y^{+2}
---	1	S 11	---	---
251.1026	2	Y 10	1199.5691	600.2882
338.1347	3	S 9	1036.5058	518.7565
439.1823	4	T 8	949.4738	475.2405
553.2253	5	N 7	848.4261	424.7167
624.2624	6	A 6	734.3832	367.6952
787.3257	7	Y 5	663.3461	332.1767
884.3785	8	P 4	500.2827	250.6450
999.4054	9	D 3	403.2300	202.1186
1112.4895	10	L 2	288.2030	144.6051
---	11	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)VNAIPDQC(Carbamidomethyl)SPLPC(Carbamidomethyl)NEDGYMSC(Carbamidomethyl)K^{+3}



Max Intensity: **2110**
Num Matched: **19/22 (13.6% unmatched)** Matched Intensity: **98.1%** Matched Series Intensity: **98.1%**



Sequence: SYSC(Carbamidomethyl)VNAIPDQC(Carbamidomethyl)SPLPC(Carbamidomethyl)
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C124 H191 N34 O46 S5

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
3053.7607	3052.2250	1527.3841	1526.6161	1018.5919	1018.0798

[–] Peak Matches

307.1378	394.1631	525.1931	597.2001	680.7273	711.2439	764.2579	782.2707	785.7843	798.2965
y_2(-18)	y_3(-31)	y_4(-44) AIPDQ(-140)	LPC(Carbamidomethyl) NE-NH_3(-56) b_5(-56) IPDQC (Carbamidomethyl)-NH_3(-56)	y_{11}^{+2}(-36)	C(Carbamidomethyl) NEDGY-28(5.1) LPC(Carbamidomethyl) NED-H_2O(-46) b_6(-46) PLPC (Carbamidomethyl)NE(-97)	b_7-H_2O(-59)	b_7(-55) NAIPDQC (Carbamidomethyl)-NH_3 (-55)	y_{13}^{+2}(-46)	PLPC(Carbamidomethyl) NED-28(-61) SPLPC (Carbamidomethyl)NE(-61) DQC(Carbamidomethyl) SPLP(-61) PDQC (Carbamidomethyl)SPL(-61) IPDQC (Carbamidomethyl)SP(-61)

804.3373	829.2978	846.8393	860.3039	867.3464	877.3331	895.3445	1012.2553	1018.2304	1079.3627
	C(Carbamidomethyl) SPLPC(Carbamidomethyl) N(-43) y_{14}^{+2}(-47) SC(Carbamidomethyl) VNAIPD-28(-108)		y_7(-28)	a_8(-65) PDQC (Carbamidomethyl) SPLP-28(-65)	b_8-H_2O(-62) PDQC (Carbamidomethyl) SPLP-H_2O(-62) YSC(Carbamidomethyl) VNAIP-28(-103)	SPLPC (Carbamidomethyl) NED-H_2O(-19) b_8(-60) PDQC (Carbamidomethyl) SPLP(-60)		PLPC (Carbamidomethyl) NEDGY-28(-196)	y_{18}^{+2}(-54) a_{10}(-111) NAIPDQC (Carbamidomethyl)SPL-NH_3(-111) AIPDQC (Carbamidomethyl)SPLP (-145)

1135.9017	1171.4123
y_{19}^{+2}(-54)	y_{20}^{+2}(-59)

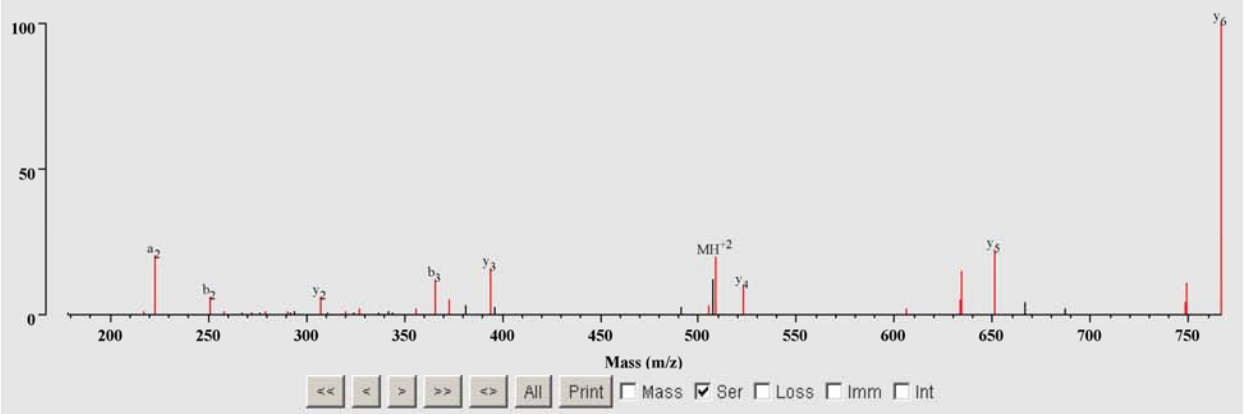
[–] Main Sequence Ions

b				y	y^{+2}
---	1	S	26	---	---
251.1026	2	Y	25	2965.1929	1483.1001
338.1347	3	S	24	2802.1296	1401.5684
498.1653	4	C(Carbamidomethyl)	23	2715.0976	1358.0524
597.2337	5	V	22	2555.0669	1278.0371
711.2767	6	N	21	2455.9985	1228.5029
782.3138	7	A	20	2341.9556	1171.4814
895.3978	8	I	19	2270.9185	1135.9629

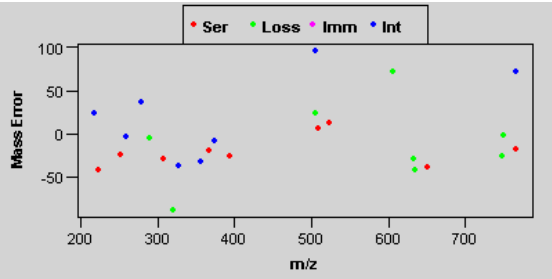
992.4506	9	**P**	18	2157.8344	1079.4208
1107.4775	10	**D**	17	2060.7817	1030.8945
1235.5361	11	**Q**	16	1945.7547	973.3810
1395.5668	12	**C(Carbamidomethyl)**	15	1817.6961	909.3517
1482.5988	13	**S**	14	1657.6655	829.3364
1579.6516	14	**P**	13	1570.6335	785.8204
1692.7356	15	**L**	12	1473.5807	737.2940
1789.7884	16	**P**	11	1360.4966	680.7520
1949.8190	17	**C(Carbamidomethyl)**	10	1263.4439	632.2256
2063.8620	18	**N**	9	1103.4132	552.2102
2192.9046	19	**E**	8	989.3703	495.1888
2307.9315	20	**D**	7	860.3277	430.6675
2364.9530	21	**G**	6	745.3008	373.1540
2528.0163	22	**Y**	5	688.2793	344.6433
2659.0568	23	**M**	4	525.2160	263.1116
2746.0888	24	**S**	3	394.1755	197.5914
2906.1194	25	**C(Carbamidomethyl)**	2	307.1435	154.0754
---	26	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYDQESC(Carbamidomethyl)K^{+2}



Max Intensity: **7.20**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **88.2%** Matched Series Intensity: **87.4%**



Sequence: SYDQESC(Carbamidomethyl)K
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C40 H62 N11 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1016.9000	1016.3990	508.9537	508.7031

[–] Peak Matches

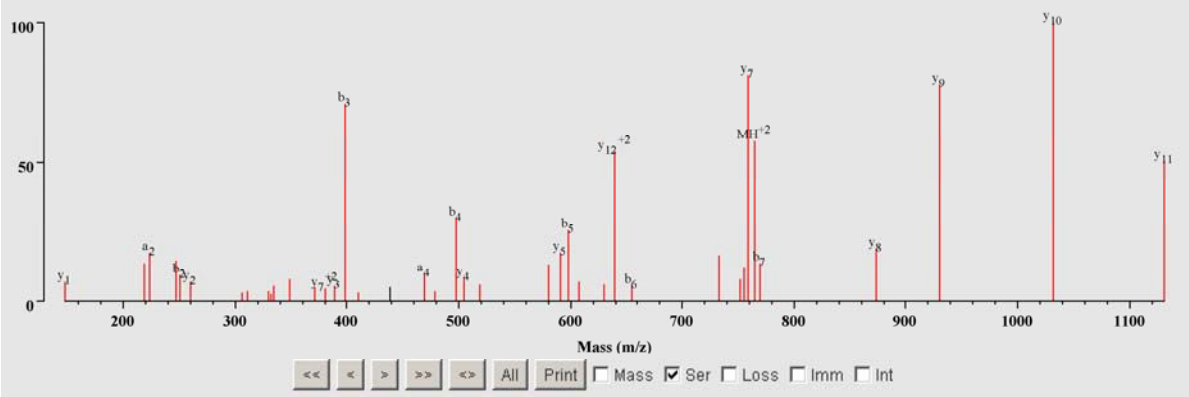
178.0828	217.0870	223.0983	251.0967	258.1073	267.1416	272.1213	276.1598	279.1075	290.1154
	ES(24)	a_2(-42)	YD-28(-24) b_2(-24)	QE(-4.4)				YD(36)	y_2-NH_3(-5.2)
292.0662	**294.1598**	**307.1343**	**311.1049**	**320.0957**	**324.1336**	**327.1175**	**337.1097**	**342.1123**	**344.0794**
		y_2(-30)		a_3-H_2O(-89)		QES-H_2O(-38)			
356.0970	**366.1224**	**373.1320**	**381.0926**	**394.1648**	**396.1479**	**491.1604**	**505.2197**	**507.1767**	**508.7062**
DQE-NH_3(-33)	b_3(-20)	DQE(-9.1)		y_3(-27)			QESC(Carbamidomethyl)(96) y_4-H_2O(24)		MH^{+2}(6.1)
523.2248	**606.2473**	**633.2468**	**634.2237**	**651.2512**	**666.3059**	**687.2030**	**748.2735**	**749.2758**	**766.2899**
y_4(13)	YDQES-NH_3(71) b_5-NH_3(71)	y_5-H_2O(-30)	y_5-NH_3(-42)	y_5(-39)			y_6-H_2O(-26)	y_6-NH_3(-1.7)	YDQESC(Carbamidomethyl)-NH_3(72) y_6(-18)

[–] Main Sequence Ions

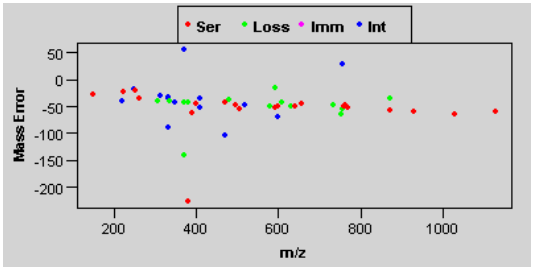
b			y	y^{+2}
---	1	**S**	8 ---	---
251.1026	2	**Y**	7 929.3669	465.1871
366.1296	3	**D**	6 766.3036	383.6554
494.1882	4	**Q**	5 651.2767	326.1420
623.2307	5	**E**	4 523.2181	262.1127
710.2628	6	**S**	3 394.1755	197.5914
870.2934	7	**C(Carbamidomethyl)**	2 307.1435	154.0754
---	8	**K**	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)VTGNPASDEIK^{+2}



Max Intensity: **72.4**
Num Matched: **39/40 (2.5% unmatched)** Matched Intensity: **99.4%** Matched Series Intensity: **99.3%**



Sequence SYM(Oxidation)VTGNPASDEIK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C64 H103 N16 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1528.5263	1527.6996	764.7669	764.3534

[–] **Peak Matches**

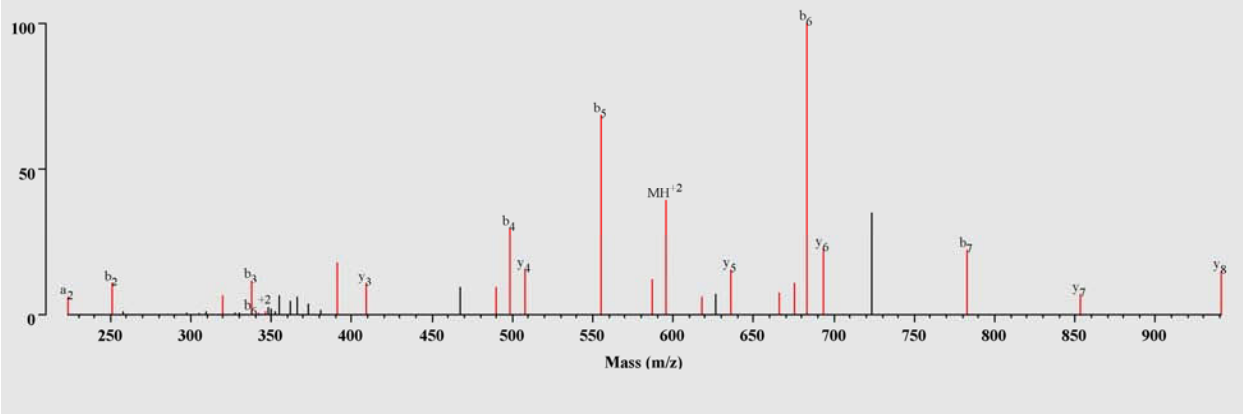
147.1089	219.1077	223.1028	247.1063	251.0974	260.1881	306.1325	311.0968	330.1366	332.0981
y_1(-27)	M(Oxidation)V-28(-39)	a_2(-22)	M(Oxidation)V(-19)	b_2(-21)	y_2(-34)	a_3-$SOCH_4$(-40)	YM(Oxidation)(-30)	M(Oxidation)VT-H_2O(-35) DEI-28(-89)	SDE(-32)
334.1259	**348.1438**	**371.1770**	**380.1114**	**389.2156**	**398.1196**	**410.1528**	**438.1513**	**469.1914**	**479.1780**
b_3-$SOCH_4$(-41)	M(Oxidation)VT(-43)	PASD(56) y_7-H_2O^{+2}(-42) y_3-H_2O(-140)	b_3-H_2O(-42) y_7^{+2}(-227)	y_3(-61)	b_3(-46)	GNPAS-NH_3(-35) YM(Oxidation)V(-53)		a_4(-43) VTGNP(-105)	b_4-H_2O(-37)
497.1830	**504.2391**	**519.1988**	**580.2144**	**591.2679**	**598.2242**	**607.2810**	**630.2683**	**639.2740**	**655.2466**
b_4(-47)	y_4(-54)	M(Oxidation)VTGN(-47)	b_5-H_2O(-50)	b_6-$SOCH_4$(-16) y_5(-52)	b_5(-50) M(Oxidation)VTGNP-H_2O(-69)	y_{12}-$SOCH_4^{+2}$(-42)	y_{12}-H_2O^{+2}(-51)	y_{12}^{+2}(-50)	b_6(-44)
732.3202	**752.2431**	**755.3065**	**759.3511**	**764.3168**	**769.2777**	**873.3802**	**930.3976**	**1031.4347**	**1130.5016**
MH-$SOCH_4^{+2}$(-47)	b_7-NH_3(-65)	TGNPASDE-NH_3(29) MH-H_2O^{+2}(-55)	y_7(-49)	MH^{+2}(-48)	b_7(-53)	b_9-$SOCH_4$(-34) y_8(-58)	y_9(-59)	y_{10}(-64)	y_{11}(-59)

[–] **Main Sequence Ions**

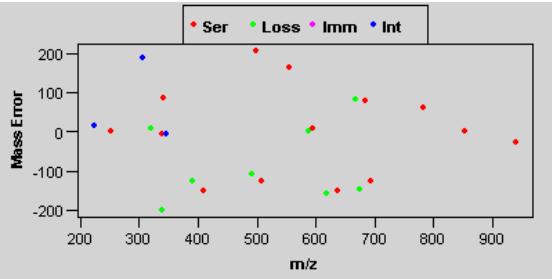
b				y	y^{+2}
---	1	S	14	---	---
251.1026	2	Y	13	1440.6675	720.8374
398.1380	3	M(Oxidation)	12	1277.6042	639.3057
497.2064	4	V	11	1130.5688	565.7880
598.2541	5	T	10	1031.5004	516.2538
655.2756	6	G	9	930.4527	465.7300
769.3185	7	N	8	873.4312	437.2193
866.3713	8	P	7	759.3883	380.1978
937.4084	9	A	6	662.3355	331.6714
1024.4404	10	S	5	591.2984	296.1529
1139.4674	11	D	4	504.2664	252.6368
1268.5100	12	E	3	389.2395	195.1234
1381.5940	13	I	2	260.1969	130.6021
---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)GKVFSR^{+2}



Max Intensity: **20.8**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **84.2%** Matched Series Intensity: **82.5%**



Sequence: SYSC(Carbamidomethyl)GKVFSR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H80 N15 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1191.1939	1190.5623	596.1007	595.7848

[–] Peak Matches

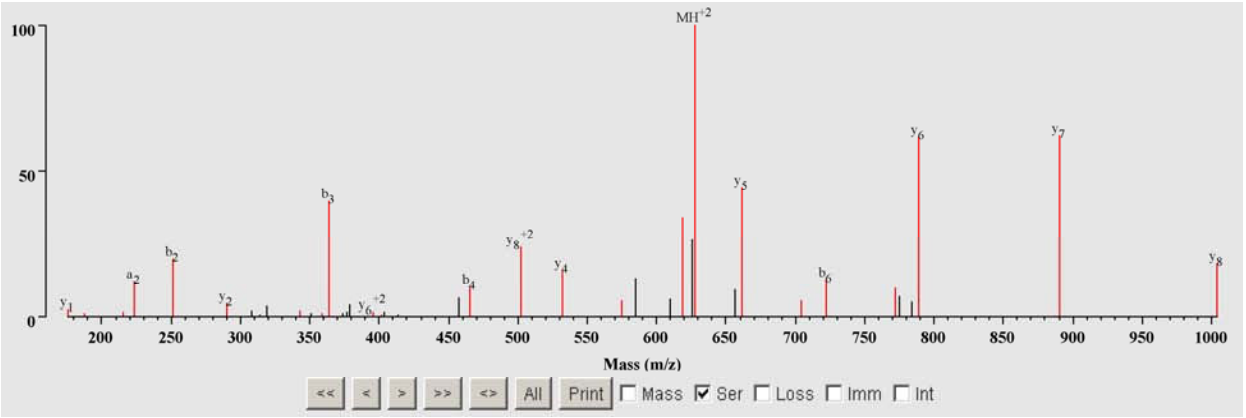
223.1110	251.1027	258.1316	297.1496	305.1486	309.1380	320.1262	327.1449	330.1683	338.1324
a_2(15) YS-28(15)	YS(0.27) b_2(0.27)			SC(Carbamidomethyl)G(187)		b_3-H_2O(6.6)			b_3(-6.7) y_6-H_2O^{+2}(-201)
342.1736	**346.1526**	**348.1665**	**350.1580**	**352.1463**	**355.0653**	**362.1849**	**366.1206**	**373.1466**	**381.1684**
b_6^{+2}(85)	C(Carbamidomethyl)GK(-5.1)								
391.1601	**409.1577**	**467.1655**	**490.2232**	**498.2677**	**508.2239**	**555.2766**	**586.7808**	**595.7891**	**618.2735**
y_3-H_2O(-125)	y_3(-151)		y_4-H_2O(-110)	b_4(206)	y_4(-126)	b_5(162)	MH-H_2O^{+2}(2.2)	MH^{+2}(7.3)	y_5-H_2O(-160)
626.2919	**636.2873**	**666.3108**	**675.2929**	**683.3352**	**693.3154**	**723.3490**	**782.3984**	**853.4369**	**940.4399**
	y_5(-150)	b_6-NH_3(83)	y_6-H_2O(-149)	b_6(78)	y_6(-128)		b_7(62)	y_7(2.4)	y_8(-29)

[–] Main Sequence Ions

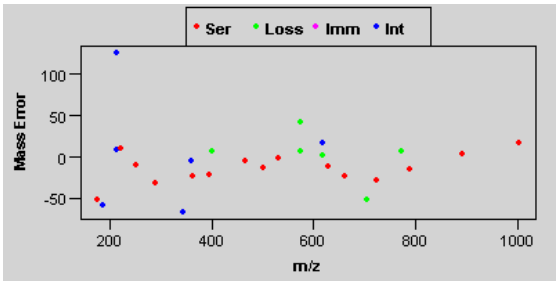
b	b^{+2}				y	y^{+2}
---	---	1	S	10	---	---
251.1026	---	2	Y	9	1103.5302	552.2688
338.1347	---	3	S	8	940.4669	470.7371
498.1653	---	4	C(Carbamidomethyl)	7	853.4349	427.2211
555.1868	---	5	G	6	693.4042	347.2058
683.2817	342.1445	6	K	5	636.3828	318.6950
782.3502	391.6787	7	V	4	508.2878	254.6475
929.4186	465.2129	8	F	3	409.2194	205.1133
1016.4506	508.7289	9	S	2	262.1510	131.5791
---	---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLTQENQDR^{+2}



Max Intensity: **13.2**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **84.6%** Matched Series Intensity: **79.9%**



Sequence: SYLTQENQDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C51 H81 N16 O21

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1254.3064	1253.5757	627.6569	627.2915

[–] **Peak Matches**

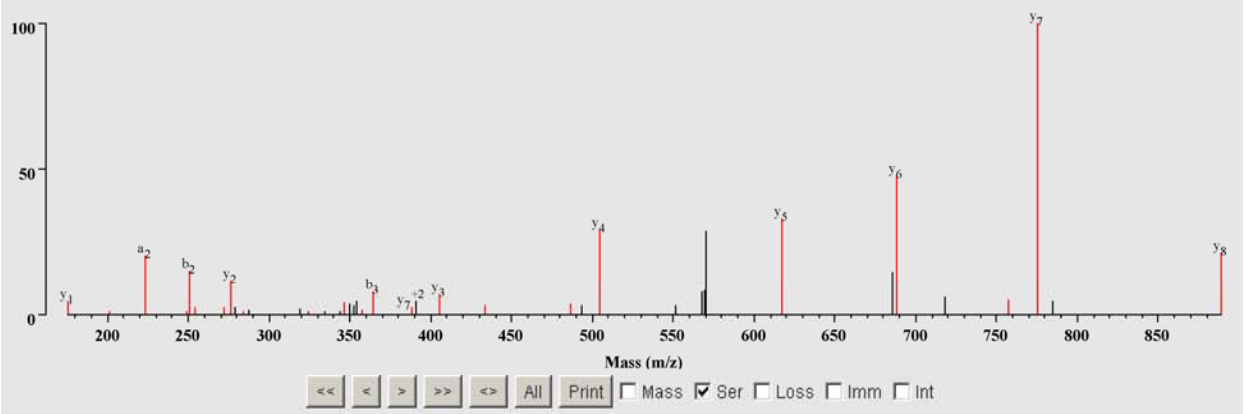
175.1099	187.1333	215.1410	223.1102	251.1003	290.1369	308.1159	314.1563	319.1604	343.1745
y_1(-52)	LT-28(-58)	NQ-28(126) LT(9.2)	a_2(11)	b_2(-9.3)	y_2(-31)				LTQ(-67)
351.1670	**359.1546**	**364.1785**	**374.1936**	**377.1270**	**379.1590**	**395.1693**	**401.1810**	**403.2140**	**413.2328**
	TQE(-4.2)	b_3(-23)				y_6^{+2}(-22)	y_3-NH_3(7.7)		
457.2598	**465.2323**	**502.2372**	**532.2464**	**575.2864**	**585.3165**	**609.7690**	**618.2875**	**625.2855**	**627.2847**
	b_4(-4.5)	y_8^{+2}(-13)	y_4(-1.9)	y_9-NH_3^{+2}(42) b_5-H_2O(7.0)			YLTQE-NH_3(17) MH-H_2O^{+2}(2.1)		MH^{+2}(-11)
656.3382	**661.2748**	**704.2892**	**722.3155**	**772.3275**	**775.3239**	**784.3848**	**789.3365**	**890.3993**	**1003.4971**
	y_5(-23)	b_6-H_2O(-51)	b_6(-28)	y_6-NH_3(7.1)			y_6(-15)	y_7(3.4)	y_8(17)

[–] **Main Sequence Ions**

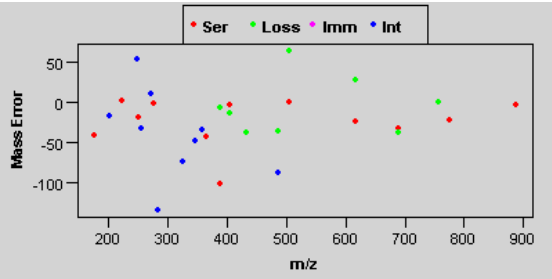
b			y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1166.5436	583.7755
364.1867	3	L	8	1003.4803	502.2438
465.2344	4	T	7	890.3962	445.7018
593.2930	5	Q	6	789.3486	395.1779
722.3355	6	E	5	661.2900	331.1486
836.3785	7	N	4	532.2474	266.6273
964.4371	8	Q	3	418.2045	209.6059
1079.4640	9	D	2	290.1459	145.5766
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLSALVETR^{+2}



Max Intensity: **6.36**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **76.6%** Matched Series Intensity: **76.6%**



Sequence SYLSALVETR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C50 H84 N13 O17

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1139.3015	1138.6103	570.1545	569.8088

[–] **Peak Matches**

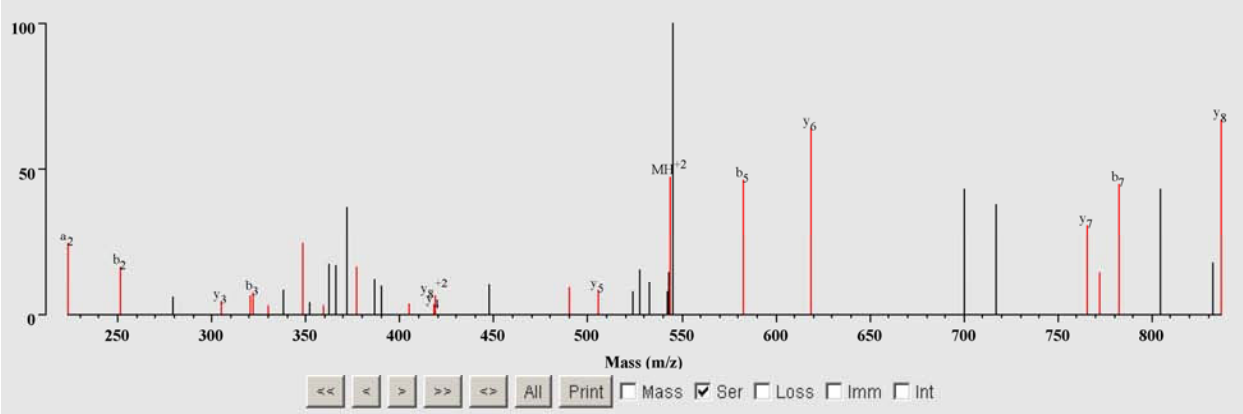
175.1118	201.1199	223.1082	249.1731	251.0982	254.1416	272.1634	276.1661	279.1676	284.1587
y_1(-41)	LS(-17) VE-28(-17)	a_2(2.2)	YL-28(54)	b_2(-18)	LSA-H_2O(-33) SAL-H_2O(-33)	LSA(11) SAL(11)	y_2(-1.9)		ALV(-134)
287.1598	**319.1667**	**324.1677**	**334.1376**	**344.1637**	**346.1596**	**350.1935**	**352.1215**	**354.2685**	**357.2374**
		LVE-H_2O(-74)			b_3-H_2O(-48) YLS-H_2O(-48)				LSAL-28(-34)
364.1709	**388.1800**	**391.1564**	**405.2079**	**433.1917**	**486.2495**	**493.0060**	**504.2776**	**551.2870**	**567.2892**
YLS(-43) b_3(-43)	y_3-NH_3(-6.9) y_7^{+2}(-101)		y_3(-3.3) a_4-H_2O(-13)	b_4-H_2O(-38)	y_4-H_2O(-36) ALVET-28(-88)		b_5-H_2O(64) y_4(-0.075)		
569.2680	**570.3887**	**617.3466**	**685.4275**	**688.3771**	**718.3250**	**757.4203**	**775.4140**	**784.4914**	**888.5117**
		b_6-H_2O(28) y_5(-24)		y_6(-32) a_7-H_2O(-37)		y_7-H_2O(0.028)	y_7(-22)		y_8(-3.6)

[–] **Main Sequence Ions**

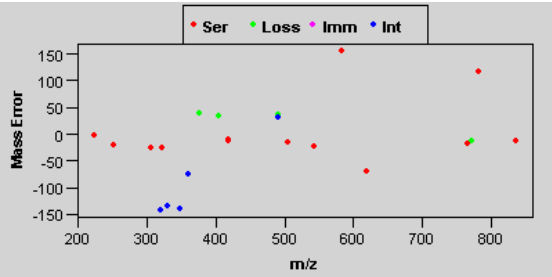
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1051.5782	526.2928
364.1867	3	L	8	888.5149	444.7611
451.2187	4	S	7	775.4308	388.2191
522.2558	5	A	6	688.3988	344.7030
635.3399	6	L	5	617.3617	309.1845
734.4083	7	V	4	504.2776	252.6425
863.4509	8	E	3	405.2092	203.1083
964.4986	9	T	2	276.1666	138.5870
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAM(Oxidation)LSLGTK^{+2}



Max Intensity: **22.4**
Num Matched: **21/40 (47.5% unmatched)** Matched Intensity: **51.8%** Matched Series Intensity: **49.1%**



Sequence: SYAM(Oxidation)LSLGTK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C47 H80 N11 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1087.1261	1086.5500	544.0668	543.7786

[–] Peak Matches

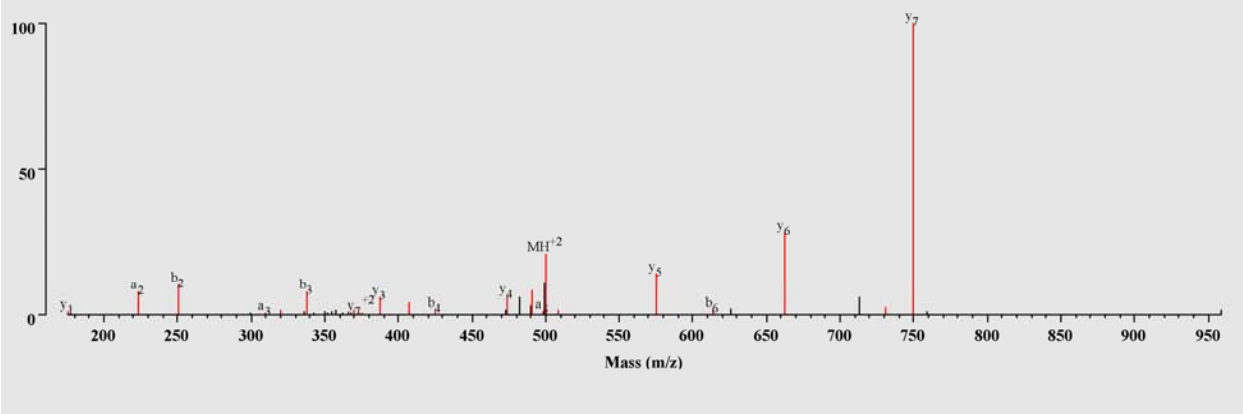
223.1074	**251.0973**	**279.0906**	**305.1739**	**320.1182**	**322.1315**	**330.1034**	**338.1293**	**348.1105**	**352.1130**
a_2(-1.4)	b_2(-21)		y_3(-26)	M(Oxidation)LS-28(-143)	b_3(-26)	M(Oxidation)LS-H_2O(-136)		M(Oxidation)LS(-139)	
359.1654	**362.1961**	**366.1192**	**372.2133**	**377.1968**	**386.2042**	**390.1951**	**405.1911**	**418.2602**	**418.7269**
SLGT(-75)				a_4-SOCH$_4$(39)			b_4-SOCH$_4$(35)	y_4(-14)	y_8^{+2}(-9.7)
447.1878	**490.2841**	**505.2900**	**523.7598**	**527.7728**	**532.7662**	**542.3033**	**543.2515**	**543.7656**	**545.2808**
	a_5-SOCH$_4$(37) M(Oxidation)LSLG-28(30)	y_5(-16)						MH^{+2}(-24)	
582.3502	**618.3393**	**700.3535**	**717.3965**	**765.4040**	**772.4462**	**782.4667**	**804.4327**	**832.4360**	**836.4443**
YAM(Oxidation)LS(156) b_5(156)	y_6(-69)			y_7(-18)	y_8-SOCH$_4$(-13)	b_7(117)			y_8(-12)

[–] Main Sequence Ions

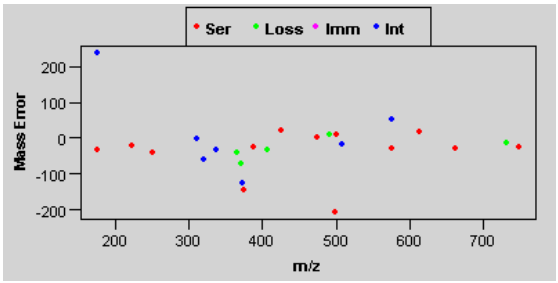
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	999.5179	500.2626
322.1397	3	A	8	836.4546	418.7309
469.1751	4	M(Oxidation)	7	765.4175	383.2124
582.2592	5	L	6	618.3821	309.6947
669.2912	6	S	5	505.2980	253.1527
782.3753	7	L	4	418.2660	209.6366
839.3968	8	G	3	305.1819	153.0946
940.4444	9	T	2	248.1605	124.5839
---	10	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSSTSPDR^{+2}



Max Intensity: **12.8**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **85.1%** Matched Series Intensity: **83.3%**



Sequence: SYSSTSPDR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C40 H63 N12 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1000.0156	999.4378	500.5115	500.2225

[–] Peak Matches

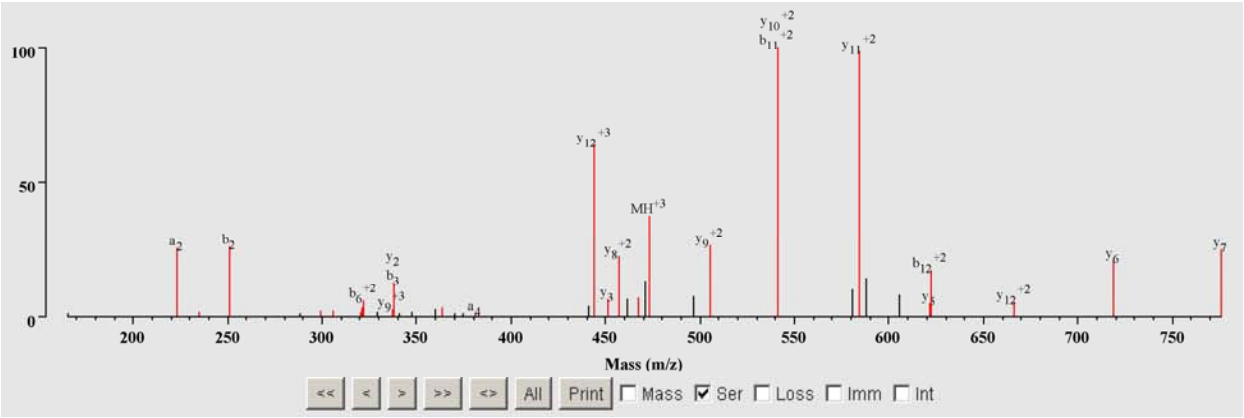
175.1131	223.1026	251.0922	299.1287	310.1390	320.1041	336.0886	338.1237	342.1123	350.0996
SS(239) y_1(-33)	YS-28(-23) a_2(-23)	YS(-42) b_2(-42)		a_3(-2.4) YSS-28(-2.4)	b_3-H_2O(-62) YSS-H_2O(-62)		b_3(-32) YSS(-32)		
352.1108	**355.0154**	**357.1551**	**362.1164**	**366.1550**	**368.2009**	**370.1450**	**373.1247**	**375.1202**	**387.1885**
				y_7-H_2O^{+2}(-40)		y_3-NH_3(-73)	TSPD-28(-126) STSP(-126)	y_7^{+2}(-146)	y_3(-26)
407.1422	**425.1757**	**473.1830**	**474.2316**	**482.1880**	**490.1708**	**491.2212**	**498.1156**	**499.1851**	**500.2282**
b_4-H_2O(-34)	b_4(21)		y_4(1.9)			MH-H_2O^{+2}(8.0)	YSSTS-28(-208) a_5(-208)		MH^{+2}(11)
508.1940	**575.2615**	**613.2566**	**626.2825**	**662.2904**	**713.3058**	**731.3210**	**749.3225**	**759.3727**	**958.3730**
b_5-H_2O(-19) YSSTS-H_2O(-19)	SSTSPD(53) y_5(-29)	b_6(17)		y_6(-30)		y_7-H_2O(-15)	y_7(-27)		

[–] Main Sequence Ions

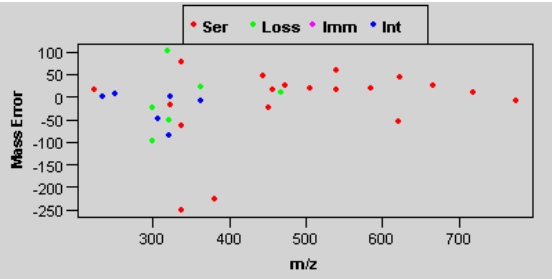
b			y	y^{+2}
---	1	S	9 ---	---
251.1026	2	Y	8 912.4058	456.7065
338.1347	3	S	7 749.3424	375.1748
425.1667	4	S	6 662.3104	331.6588
526.2144	5	T	5 575.2784	288.1428
613.2464	6	S	4 474.2307	237.6190
710.2992	7	P	3 387.1987	194.1030
825.3261	8	D	2 290.1459	145.5766
---	9	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSAPHGPGLIYR^{+3}



Max Intensity: **13.2**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **87.3%** Matched Series Intensity: **86.5%**



Sequence: SYSAPHGPGLIYR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C65 H97 N18 O18

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1418.6048	1417.7223	709.8061	709.3648	473.5399	473.2456

[–] Peak Matches

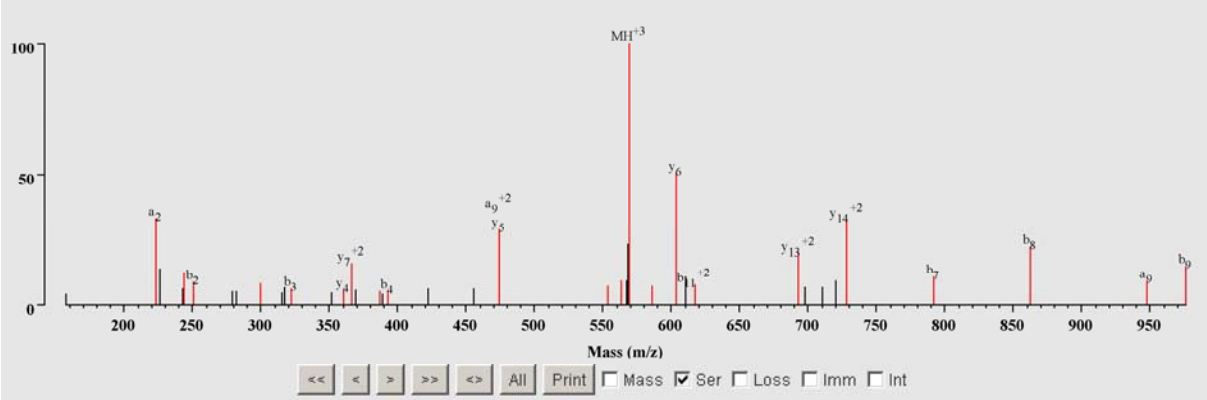
165.0720	223.1110	235.1189	251.1042	288.1519	299.1353	306.1415	320.1566	321.1397	322.1395
	YS-28(15) a_2(15)	PH(-0.22)	b_2(6.2) YS(6.2)		a_6-H_2O^{+2}(-24) y_8-NH_3^{+3}(-97)	APH(-48)	b_3-H_2O(102)	y_2-NH_3(-50) HGPG-28(-85)	YSA(-0.77) b_6^{+2}(-18)
329.1115	**337.1063**	**338.1602**	**341.2363**	**347.1306**	**360.2097**	**363.1745**	**370.1725**	**374.2884**	**381.0907**
	y_9^{+3}(-251)	b_3(76) y_2(-65)				a_4-H_2O(23) APHG(-8.3)			a_4(-226)
441.2666	**444.2561**	**451.2560**	**456.7638**	**461.7449**	**467.2473**	**471.2414**	**473.2571**	**496.2900**	**505.2920**
	y_{12}^{+3}(48)	y_3(-23)	y_8^{+2}(17)		MH-H_2O^{+3}(11)		MH^{+3}(24)		y_9^{+2}(19)
540.8098	**580.8278**	**584.3278**	**587.8061**	**605.8372**	**621.3369**	**622.3353**	**665.8662**	**718.4316**	**775.4404**
b_{11}^{+2}(60) y_{10}^{+2}(16)		y_{11}^{+2}(18)			y_5(-56)	b_{12}^{+2}(42)	y_{12}^{+2}(26)	y_6(9.7)	y_7(-7.4)

[–] Main Sequence Ions

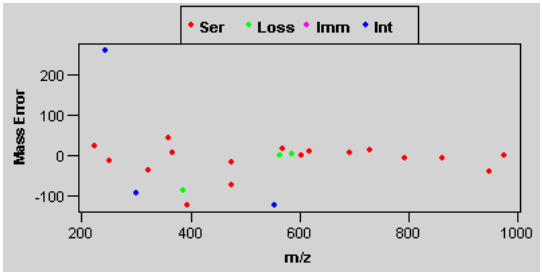
b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1330.6902	665.8488
338.1347	---	3	**S**	11	1167.6269	584.3171
409.1718	---	4	**A**	10	1080.5949	540.8011
506.2245	---	5	**P**	9	1009.5578	505.2825
643.2835	322.1454	6	**H**	8	912.5050	456.7561
700.3049	350.6561	7	**G**	7	775.4461	388.2267
797.3577	399.1825	8	**P**	6	718.4246	359.7160
854.3791	427.6932	9	**G**	5	621.3719	311.1896
967.4632	484.2352	10	**L**	4	564.3504	282.6788
1080.5473	540.7773	11	**I**	3	451.2663	226.1368
1243.6106	622.3089	12	**Y**	2	338.1823	169.5948
---	---	13	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAARLEALKENGGAR^{+3}



Max Intensity: **3.40**
Num Matched: **22/40 (45.0% unmatched)** Matched Intensity: **74.8%** Matched Series Intensity: **69.4%**



Sequence SYAARLEALKENGGAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C72 H121 N24 O24

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1706.9106	1705.8980	853.9590	853.4526	569.6418	569.3042

[–] **Peak Matches**

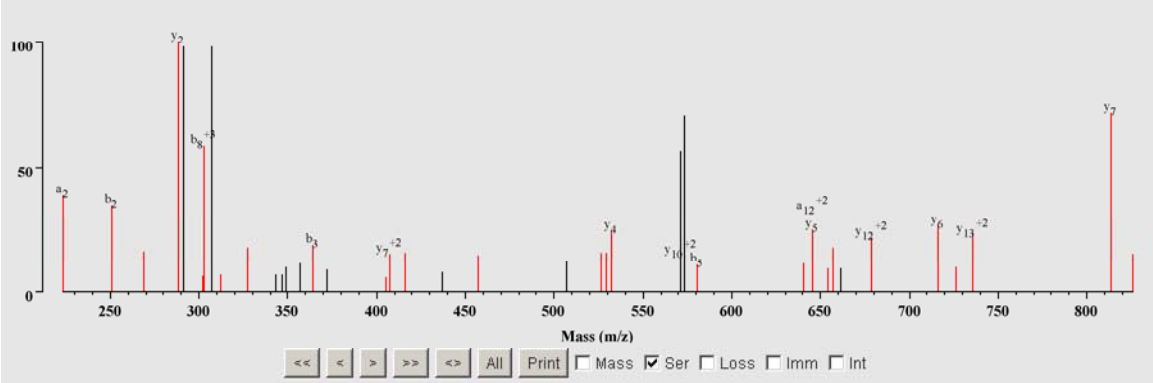
157.0005	**223.1131**	**226.0004**	**243.0485**	**244.1562**	**251.0988**	**279.1486**	**282.0313**	**299.1541**	**315.1967**
	a_2(24)			EN(260)	b_2(-15)			AAR(-95)	
317.1605	**322.1281**	**351.1357**	**360.2147**	**366.1953**	**369.0459**	**387.1669**	**389.1321**	**393.1280**	**421.8964**
	b_3(-36)		y_4(44)	y_7^{+2}(5.3)		b_7-H_2O^{+2}(-87)		b_4(-124)	
455.2334	**474.2343**	**553.2298**	**563.6287**	**567.2338**	**568.2801**	**569.3138**	**586.2606**	**603.2839**	**610.8433**
	y_5(-16) a_9^{+2}(-73)	EALKE-H_2O(-123)	MH-NH_3^{+3}(0.053)			MH^{+3}(17)	y_6-NH_3(4.5)	y_6(-1.0)	
616.8410	**692.8917**	**697.7928**	**710.8074**	**720.3843**	**728.4154**	**791.3989**	**862.4351**	**947.4916**	**975.5267**
b_{11}^{+2}(9.2)	y_{13}^{+2}(7.6)				y_{14}^{+2}(14)	b_7(-7.2)	b_8(-7.7)	a_9(-41)	b_9(0.96)

[–] **Main Sequence Ions**

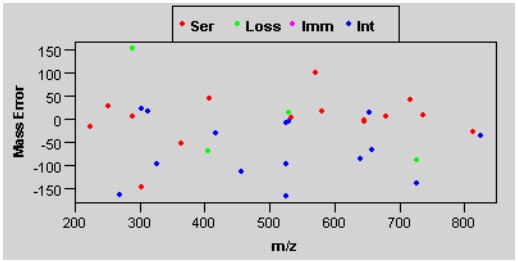
b	b^{+2}				y	y^{+2}
---	---	1	**S**	16	---	---
251.1026	---	2	**Y**	15	1618.8660	809.9366
322.1397	---	3	**A**	14	1455.8027	728.4050
393.1769	---	4	**A**	13	1384.7655	692.8864
549.2780	275.1426	5	**R**	12	1313.7284	657.3678
662.3620	331.6847	6	**L**	11	1157.6273	579.3173
791.4046	396.2060	7	**E**	10	1044.5432	522.7753
862.4417	431.7245	8	**A**	9	915.5007	458.2540
975.5258	488.2665	9	**L**	8	844.4635	422.7354
1103.6208	552.3140	10	**K**	7	731.3795	366.1934
1232.6634	616.8353	11	**E**	6	603.2845	302.1459
1346.7063	673.8568	12	**N**	5	474.2419	237.6246
1403.7278	702.3675	13	**G**	4	360.1990	180.6031
1460.7492	730.8782	14	**G**	3	303.1775	152.0924
1531.7863	766.3968	15	**A**	2	246.1561	123.5817
---	---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLSEKAKPALEDLR^{+3}



Max Intensity: **1.50**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **62.5%** Matched Series Intensity: **62.5%**



Sequence SYLSEKAKPALEDLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C76 H127 N20 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1720.9753	1719.9276	860.9914	860.4674	574.3301	573.9807

[–] **Peak Matches**

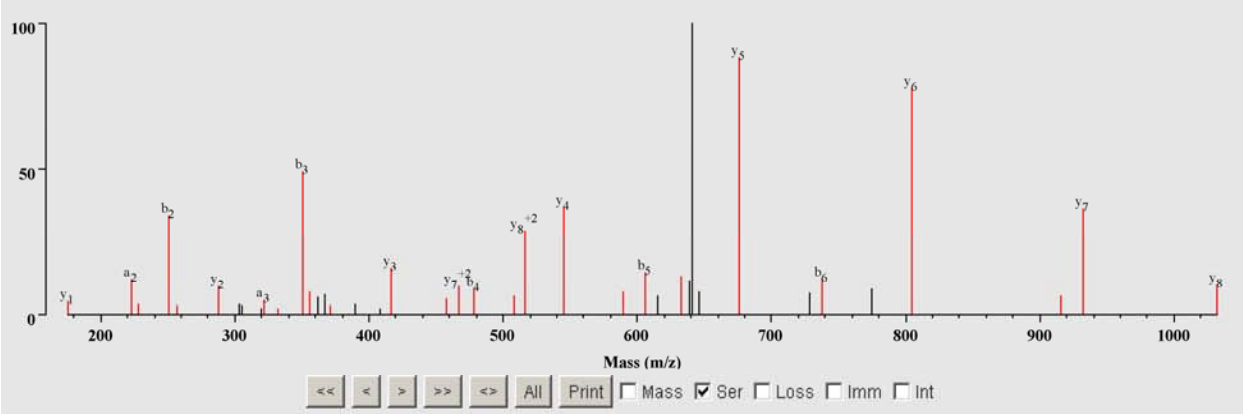
223.1040	251.1102	269.1534	288.2049	291.1271	302.1781	303.1232	307.0945	312.1609	327.1346
a_2(-17)	b_2(30)	KPA-28(-163) AKP-28(-163)	a_8-NH_3^{+3}(154) y_2(6.5)		LSE-28(23)	b_8^{+3}(-147)		EKA-NH_3(18) LSE-H_2O(18)	SEK-H_2O(-97)
343.1267	**347.0830**	**349.1351**	**357.1569**	**364.1675**	**372.2275**	**405.1851**	**407.2454**	**416.2009**	**437.1288**
				YLS(-53) b_3(-53)		a_4-H_2O(-69)	y_7^{+2}(45)	SEKA(-31)	
457.2252	**507.2492**	**526.2473**	**529.2959**	**532.2747**	**570.8979**	**571.2774**	**573.2677**	**580.2713**	**640.3119**
EKAK(-113)		PALED(-6.6) SEKAK-H_2O(-97) EKAKP-28(-166)	b_{10}-H_2O^{+2}(16) LSEKA(-4.0)	y_4(4.0)	y_{10}^{+2}(101)			b_5(17)	LSEKAK-NH_3(-85)
645.3563	**654.3563**	**657.3500**	**661.3481**	**678.8814**	**716.4237**	**726.3510**	**735.4273**	**813.4248**	**825.4548**
y_5(-0.49) a_{12}^{+2}(-3.6)	KPALED(16)	LSEKAK(-65)		y_{12}^{+2}(5.4)	y_6(42)	y_{13}-H_2O^{+2}(-87) LSEKAKP-28(-137)	y_{13}^{+2}(10)	y_7(-27)	LSEKAKPA(-34) KAKPALED-28(-34) SEKAKPAL(-34)

[–] **Main Sequence Ions**

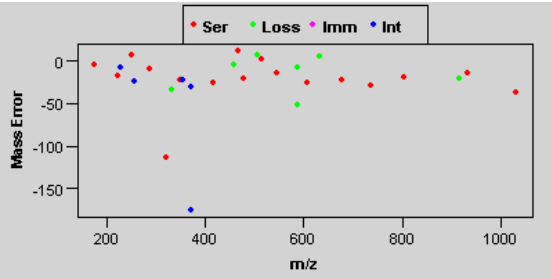
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1632.8955	816.9514
364.1867	---	3	**L**	13	1469.8322	735.4197
451.2187	---	4	**S**	12	1356.7482	678.8777
580.2613	---	5	**E**	11	1269.7161	635.3617
708.3563	354.6818	6	**K**	10	1140.6735	570.8404
779.3934	390.2003	7	**A**	9	1012.5786	506.7929
907.4884	454.2478	8	**K**	8	941.5415	471.2744
1004.5411	502.7742	9	**P**	7	813.4465	407.2269
1075.5782	538.2928	10	**A**	6	716.3937	358.7005
1188.6623	594.8348	11	**L**	5	645.3566	323.1819
1317.7049	659.3561	12	**E**	4	532.2726	266.6399
1432.7318	716.8696	13	**D**	3	403.2300	202.1186
1545.8159	773.4116	14	**L**	2	288.2030	144.6051
---	---	15	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVQQMEQLR^{+2}



Max Intensity: **19.6**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **75.2%** Matched Series Intensity: **74.7%**



Sequence SYVQQMEQLR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C54 H89 N16 O18 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1282.4698	1281.6256	641.7386	641.3164

[–] Peak Matches

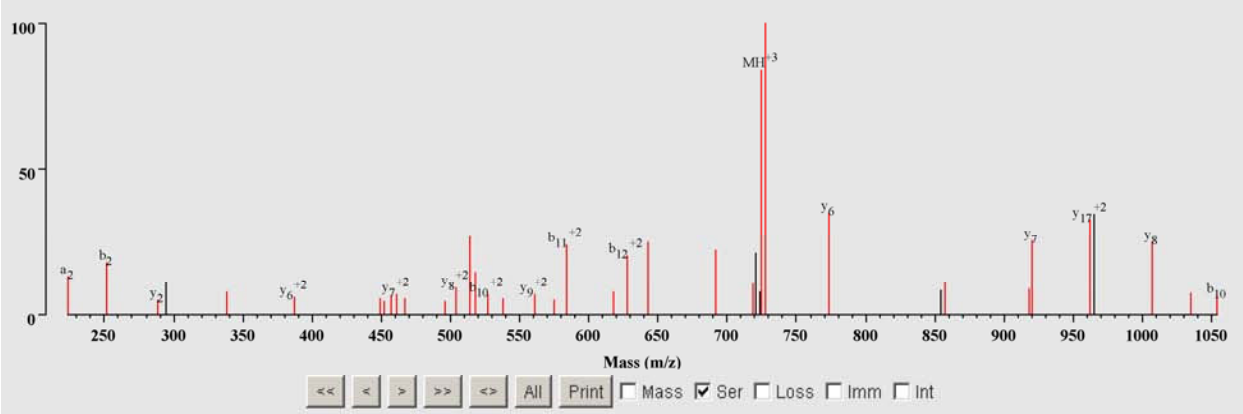
175.1181	**223.1040**	**228.1325**	**251.1042**	**257.1183**	**288.2001**	**303.2023**	**305.1420**	**320.1211**	**322.1395**
y_1(-4.9)	a_2(-17)	VQ(-7.7)	b_2(6.2)	QQ(-24)	y_2(-10)				a_3(-114)
332.1492	**350.1634**	**356.1845**	**362.1308**	**367.1863**	**371.1272**	**390.1237**	**408.1111**	**416.2511**	**457.7272**
b_3-H_2O(-34)	b_3(-22)	VQQ(-23)			QME-H_2O(-30) MEQ-H_2O(-30) QQM-NH_3(-30) EQL(-176)			y_3(-25)	y_7-H_2O^{+2}(-4.5)
466.7400	**478.2201**	**507.7588**	**516.2701**	**545.2962**	**589.2573**	**606.2729**	**615.2835**	**632.8062**	**639.3040**
y_7^{+2}(12)	b_4(-20)	y_8-NH_3^{+2}(6.5)	y_8^{+2}(2.6)	y_4(-15)	b_5-NH_3(-7.4) y_9-NH_3^{+2}(-51)	b_5(-25)		MH-NH_3^{+2}(4.8)	
640.8246	**646.3642**	**676.3288**	**728.3523**	**737.3075**	**774.4286**	**804.3877**	**915.4166**	**932.4486**	**1031.4918**
		y_5(-23)		b_6(-29)		y_6(-19)	y_7-NH_3(-20)	y_7(-14)	y_8(-37)

[–] Main Sequence Ions

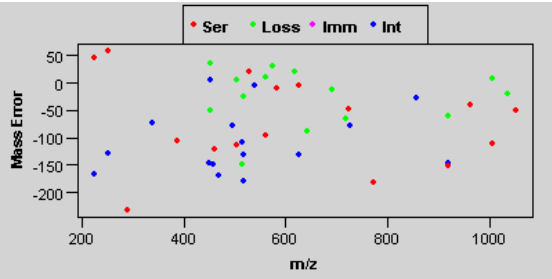
b				y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1194.5936	597.8004
350.1710	3	V	8	1031.5302	516.2688
478.2296	4	Q	7	932.4618	466.7346
606.2882	5	Q	6	804.4032	402.7053
737.3287	6	M	5	676.3447	338.6760
866.3713	7	E	4	545.3042	273.1557
994.4299	8	Q	3	416.2616	208.6344
1107.5139	9	L	2	288.2030	144.6051
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYHAGDVEGHLSFLEKDLR^{+3}



Max Intensity: **5.23**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **84.2%** Matched Series Intensity: **81.8%**



Sequence SYHAGDVEGHLSFLEKDLR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C96 H146 N27 O31

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2174.3923	2173.0673	1087.6999	1087.0373	725.4691	725.0273

[–] Peak Matches

223.1179	251.1175	288.1360	294.1494	338.1575	387.1889	449.1737	452.2276	457.1879	460.7074
a_2(46) HL-28(-168)	b_2(59) HL(-130)	y_2(-233)		HLS(-73)	y_6^{+2}(-105)	SFLE-28(-146)	a_{13}-H_2O^{+3}(37) HAGDV-28(5.3) y_7-NH_3^{+2}(-50)	HLSF-28(-148)	y_7^{+2}(-122)
467.1610	**496.2132**	**504.2224**	**514.2219**	**518.2040**	**527.2343**	**538.2234**	**560.7679**	**574.7780**	**583.7590**
HLSF-H_2O(-169)	EGHLS-28(-77)	a_{10}-H_2O^{+2}(4.5) y_8^{+2}(-114)	GHLSF-28(-108) y_4-NH_3(-149)	b_{10}-H_2O^{+2}(-26) VEGHL-H_2O(-131) FLEK(-180)	b_{10}^{+2}(22)	DVEGH(-4.1)	a_{11}-H_2O^{+2}(10) y_9^{+2}(-96)	b_{11}-H_2O^{+2}(32)	b_{11}^{+2}(-10)
618.2878	**627.2788**	**642.3001**	**691.8017**	**718.9761**	**720.9923**	**723.2668**	**724.4095**	**724.9925**	**727.3208**
b_{12}-H_2O^{+2}(20)	b_{12}^{+2}(-3.4) GHLSFL-28(-132)	y_5-H_2O(-89)	b_{13}-H_2O^{+2}(-12)	MH-H_2O^{+3}(-66)				MH^{+3}(-48)	HLSFLE(-78)
773.3103	**854.3541**	**857.3913**	**918.3946**	**920.3803**	**961.9508**	**964.9230**	**1007.4403**	**1035.4074**	**1053.3845**
y_6(-183)		DVEGHLSF-28(-28)	LSFLEKDL-28(-147)	a_{17}-H_2O^{+2}(-61) y_7(-152)	y_{17}^{+2}(-40)		a_{10}-H_2O(7.3) y_8(-111)	b_{10}-H_2O(-20)	b_{10}(-51)

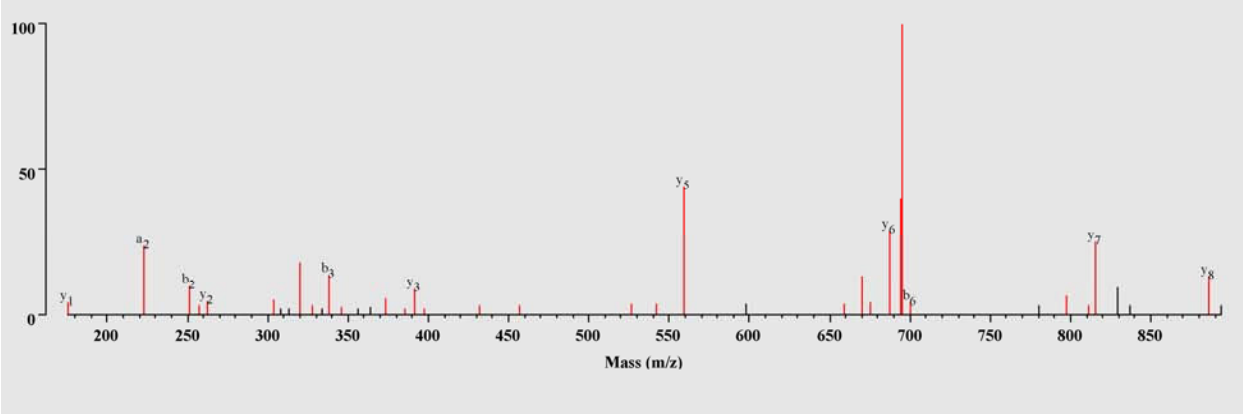
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	19	---	---
251.1026	---	2	Y	18	2086.0352	1043.5213
388.1615	194.5844	3	H	17	1922.9719	961.9896
459.1987	230.1030	4	A	16	1785.9130	893.4601
516.2201	258.6137	5	G	15	1714.8759	857.9416
631.2471	316.1272	6	D	14	1657.8544	829.4308
730.3155	365.6614	7	V	13	1542.8275	771.9174
859.3581	430.1827	8	E	12	1443.7591	722.3832
916.3795	458.6934	9	G	11	1314.7165	657.8619
1053.4384	527.2229	10	H	10	1257.6950	629.3511
1166.5225	583.7649	11	L	9	1120.6361	560.8217
1253.5545	627.2809	12	S	8	1007.5520	504.2796
1400.6230	700.8151	13	F	7	920.5200	460.7636
1513.7070	757.3571	14	L	6	773.4516	387.2294
1642.7496	821.8784	15	E	5	660.3675	330.6874

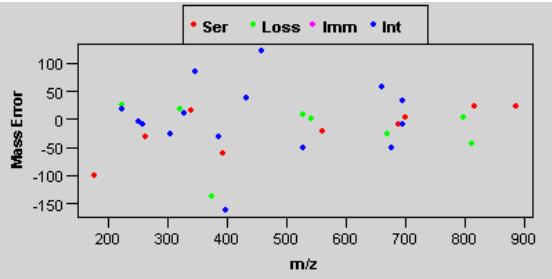
1770.8446	885.9259	16	**K**	4	531.3249	266.1661
1885.8715	943.4394	17	**D**	3	403.2300	202.1186
1998.9556	999.9814	18	**L**	2	288.2030	144.6051
---	---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYAQQPAESR^{+2}



Max Intensity: **3.11**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **92.4%** Matched Series Intensity: **92.4%**



Sequence: SYSYAQQPAESR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C59 H88 N17 O22

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1387.4572	1386.6284	694.2323	693.8179

[–] **Peak Matches**

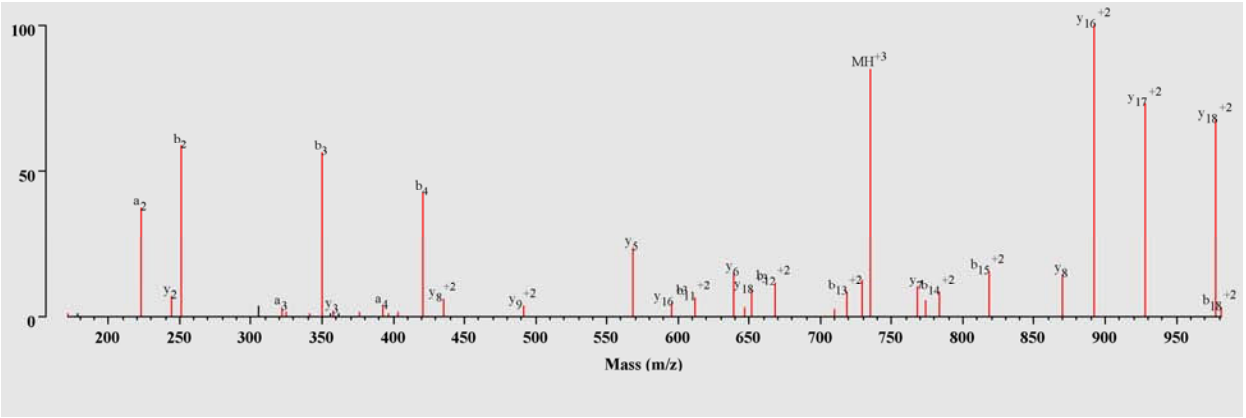
175.1012	**223.1116**	**251.1018**	**257.1219**	**262.1426**	**304.1215**	**308.1092**	**313.1388**	**320.1300**	**328.1648**
y_1(-101)	y_4-$NH_3$$^{+2}$(26) a_2(17) YS-28(17) SY-28(17)	YS(-3.3) b_2(-3.3) SY(-3.3)	QQ(-9.8)	y_2(-32)	SYA-H_2O(-25)			b_3-H_2O(18)	AQQ(9.9)
334.1260	**338.1398**	**346.1688**	**356.1313**	**364.1442**	**373.1324**	**385.1596**	**391.1698**	**397.1549**	**432.2036**
	b_3(15)	YAQ-NH_3(84)			y_3-H_2O(-136)	PAES(-32)	y_3(-61)	QQPA-28(-162) AQQP-28(-162)	SYAQ-H_2O(37)
457.2638	**526.2344**	**542.2570**	**559.2718**	**598.1780**	**659.3533**	**670.2990**	**675.2754**	**687.3366**	**694.3099**
YSYA-28(122)	a_5-H_2O(9.1) QQPAE-28(-52)	y_5-NH_3(0.18)	y_5(-21)		YAQQPA(58)	y_6-NH_3(-25)	SYAQQP(-51)	y_6(-7.9)	AQQPAES-H_2O(-8.0)
695.3228	**700.2959**	**780.3633**	**797.3932**	**811.2902**	**815.4203**	**829.4456**	**837.4437**	**886.4581**	**893.4381**
AQQPAES-NH_3(34)	b_6(3.2)		y_7-H_2O(4.0)	b_7-NH_3(-44)	y_7(24)			y_8(23)	

[–] **Main Sequence Ions**

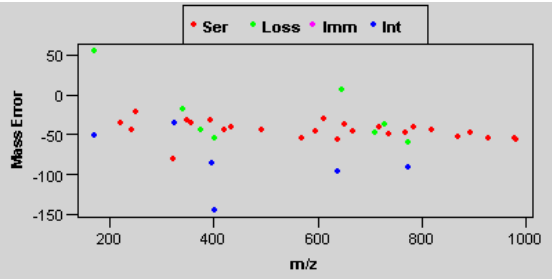
b				y	y^{+2}
---	1	**S**	12	---	---
251.1026	2	**Y**	11	1299.5964	650.3018
338.1347	3	**S**	10	1136.5331	568.7702
501.1980	4	**Y**	9	1049.5010	525.2542
572.2351	5	**A**	8	886.4377	443.7225
700.2937	6	**Q**	7	815.4006	408.2039
828.3523	7	**Q**	6	687.3420	344.1747
925.4050	8	**P**	5	559.2835	280.1454
996.4421	9	**A**	4	462.2307	231.6190
1125.4847	10	**E**	3	391.1936	196.1004
1212.5168	11	**S**	2	262.1510	131.5791
---	12	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVAPDEHPILLTEAPLNPK^{+3}



Max Intensity: **77.8**
Num Matched: **36/40 (10.0% unmatched)** Matched Intensity: **99.0%** Matched Series Intensity: **98.9%**



Sequence: SYVAPDEHPILLTEAPLNPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C101 H159 N24 O31

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2205.5314	2204.1598	1103.2694	1102.5835	735.8487	735.3914

[–] Peak Matches

171.1040	178.0839	223.1000	244.1547	251.0974	305.1381	322.1501	325.1756	341.1758	350.1598
y_3-NH_3^{+2}(55) VA(-51)		a_2(-35)	y_2(-45)	b_2(-21)		a_3(-81)	LNP(-35) PLN(-35)	y_3-NH_3(-18)	b_3(-32)
356.1425	**358.1958**	**362.1525**	**376.1860**	**393.2007**	**396.1902**	**403.1754**	**421.1892**	**435.2224**	**491.7599**
	y_3(-35)		y_7-NH_3^{+2}(-45)	EAPL-H_2O(-32) a_4(-32)	APLN(-86)	b_4-H_2O(-55) YVAP-28(-145)	b_4(-45)	y_8^{+2}(-40)	y_9^{+2}(-45)
568.3149	**595.2973**	**611.7904**	**639.3458**	**646.3547**	**652.0020**	**668.3201**	**709.8353**	**718.8450**	**729.3600**
y_5(-54)	y_{16}^{+3}(-46)	b_{11}^{+2}(-30)	y_6(-57) PILLTE-28(-97)	y_{18}-NH_3^{+3}(6.0)	y_{18}^{+3}(-37)	b_{12}^{+2}(-46)	b_{13}-H_2O^{+2}(-48)	b_{13}^{+2}(-41)	MH-H_2O^{+3}(-38)
735.3556	**768.3881**	**774.3441**	**783.3637**	**818.8777**	**869.4272**	**892.4402**	**927.9513**	**977.4835**	**980.9484**
MH^{+3}(-49)	y_7(-48)	b_{14}-H_2O^{+2}(-60) PDEHPIL-28(-91)	b_{14}^{+2}(-41)	b_{15}^{+2}(-45)	y_8(-52)	y_{16}^{+2}(-48)	y_{17}^{+2}(-54)	y_{18}^{+2}(-54)	b_{18}^{+2}(-57)

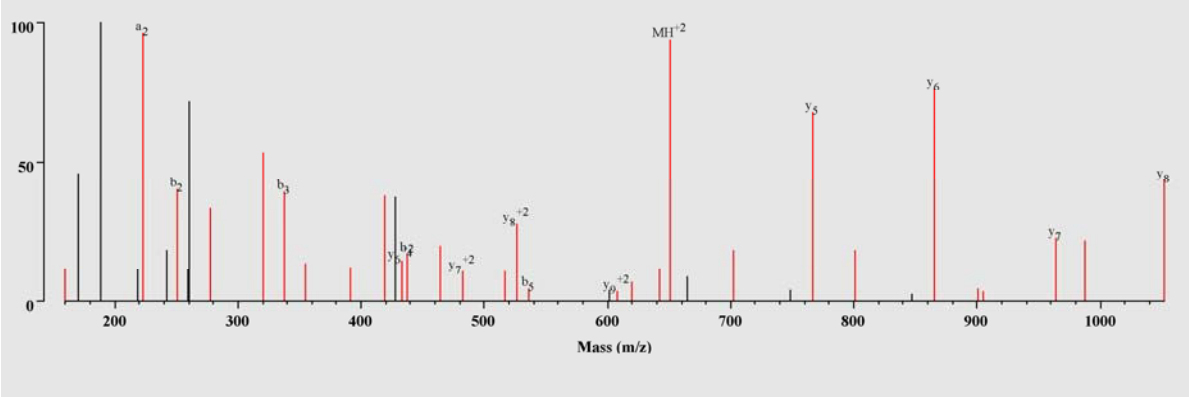
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	20	---	---
251.1026	---	2	**Y**	19	2117.1277	1059.0675
350.1710	---	3	**V**	18	1954.0644	977.5358
421.2082	---	4	**A**	17	1854.9960	928.0016
518.2609	---	5	**P**	16	1783.9589	892.4831
633.2879	---	6	**D**	15	1686.9061	843.9567
762.3305	---	7	**E**	14	1571.8792	786.4432
899.3894	450.1983	8	**H**	13	1442.8366	721.9219
996.4421	498.7247	9	**P**	12	1305.7777	653.3925
1109.5262	555.2667	10	**I**	11	1208.7249	604.8661
1222.6103	611.8088	11	**L**	10	1095.6408	548.3241
1335.6943	668.3508	12	**L**	9	982.5568	491.7820
1436.7420	718.8746	13	**T**	8	869.4727	435.2400
1565.7846	783.3959	14	**E**	7	768.4250	384.7162
1636.8217	818.9145	15	**A**	6	639.3824	320.1949
1733.8745	867.4409	16	**P**	5	568.3453	284.6763
1846.9585	923.9829	17	**L**	4	471.2926	236.1499

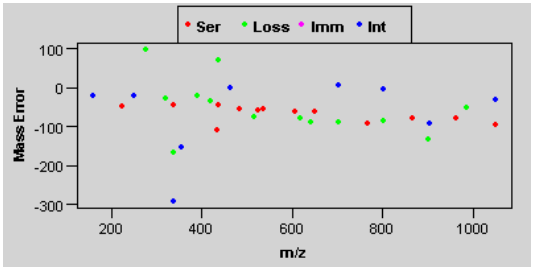
1961.0015	981.0044	18	**N**	3	358.2085	179.6079
2058.0542	1029.5308	19	**P**	2	244.1656	122.5864
---	---	20	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVVRRC(Carbamidomethyl)M(Oxidation)K^{+2}



Max Intensity: **7.81**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **72.6%** Matched Series Intensity: **69.3%**



Sequence: SYSVVRRC(Carbamidomethyl)M(Oxidation)K
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C53 H93 N18 O16 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1302.2426	1301.6453	651.6250	651.3263

[–] Peak Matches

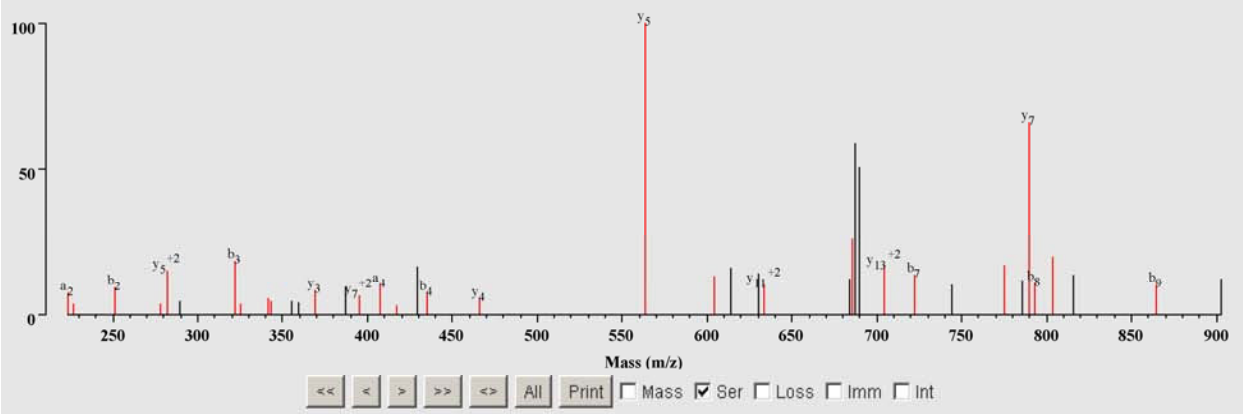
159.1097	170.1126	188.1242	218.1463	223.0971	242.1492	251.0974	259.1282	260.1408	277.1487
SV-28(-20)				YS-28(-48) a_2(-48)		b_2(-21) YS(-21)			y_2-NH_3(98)
320.1150	**338.1200**	**355.1912**	**391.1897**	**419.1775**	**428.1477**	**433.1813**	**437.1831**	**464.1743**	**482.7354**
b_3-H_2O(-28)	b_3(-43) b_6-$NH_3$$^{+2}$(-168) VVR-$NH_3$(-292)	VVR(-152)	a_4-H_2O(-20)	b_4-H_2O(-36)		$y_6$$^{+2}$(-109)	y_3-NH_3(70) b_4(-46)	RC(Carbamidomethyl)M(Oxidation)(-0.29)	$y_7$$^{+2}$(-56)
517.2340	**526.2482**	**536.2428**	**601.2835**	**607.7732**	**619.2781**	**642.2637**	**651.2869**	**665.2556**	**702.3213**
y_8-$H_2O$$^{+2}$(-76)	$y_8$$^{+2}$(-58)	b_5(-53)		$y_9$$^{+2}$(-61)	MH-$SOCH_4$$^{+2}$(-79)	MH-$H_2O$$^{+2}$(-89)	MH^{+2}(-60)		VRRC(Carbamidomethyl)M(Oxidation)-NH_3(5.5) y_5-$SOCH_4$(-88)
748.3054	**766.3112**	**801.3826**	**847.3621**	**865.3801**	**900.3994**	**905.3617**	**964.4403**	**987.5010**	**1051.4500**
	y_5(-91)	VVRRC(Carbamidomethyl)M(Oxidation)-NH_3(-4.0) y_6-$SOCH_4$(-86)		y_6(-80)	y_7-$SOCH_4$(-133)	SVVRRC(Carbamidomethyl)M(Oxidation)(-91)	y_7(-80)	y_8-$SOCH_4$(-51)	YSVVRRC(Carbamidomethyl)M(Oxidation)-NH_3(-30) y_8(-95)

[–] Main Sequence Ions

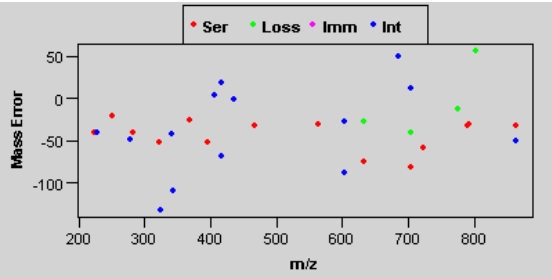
b	b^{+2}				y	y^{+2}
---	---	1	**S**	10	---	---
251.1026	---	2	**Y**	9	1214.6133	607.8103
338.1347	---	3	**S**	8	1051.5499	526.2786
437.2031	---	4	**V**	7	964.5179	482.7626
536.2715	---	5	**V**	6	865.4495	433.2284
692.3726	346.6899	6	**R**	5	766.3811	383.6942
848.4737	424.7405	7	**R**	4	610.2800	305.6436
1008.5044	504.7558	8	**C(Carbamidomethyl)**	3	454.1789	227.5931
1155.5398	578.2735	9	**M(Oxidation)**	2	294.1482	147.5777
---	---	10	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAISEAAAQYNPEPPPPR^{+3}



Max Intensity: **3.91**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **63.6%** Matched Series Intensity: **63.6%**



Sequence: SYAISEAAAQYNPEPPPPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C92 H137 N24 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
2059.2566	2057.9927	1030.1320	1029.5000	687.0905	686.6691

[–] Peak Matches

223.0989	227.0935	251.0973	278.1000	282.1571	289.0979	322.1230	325.1078	341.1313	343.1237
a_2(-40)	PE(-40) EP(-40)	b_2(-21)	YN(-49)	y_5^{+2}(-41)		b_3(-52)	AAAQ-NH_3(-132) EAAA-H_2O(-132)	SEAA-H_2O(-42) NPE(-42)	EAAA(-109)
355.0550	**359.0039**	**369.2154**	**387.1870**	**395.1956**	**407.2304**	**417.1846**	**429.0766**	**435.2234**	**466.2619**
		y_3(-25)		y_7^{+2}(-52)	a_4(3.7) YAIS-28(3.7)	AAQY-NH_3(19) b_4-H_2O(-69) YAIS-H_2O(-69)		b_4(-0.94) YAIS(-0.94)	y_4(-33)
563.3126	**604.2562**	**613.7793**	**630.3465**	**633.2705**	**684.3249**	**685.3284**	**687.3366**	**689.3605**	**704.2967**
y_5(-31)	QYNPE-28(-27) NPEPPP-28(-87)			b_6-H_2O(-27) y_{11}^{+2}(-74)		AQYNPE-H_2O(50)			SEAAAQY-NH_3(12) b_7-H_2O(-40) y_{13}^{+2}(-82)
722.2926	**744.3711**	**775.3529**	**785.3925**	**789.4003**	**793.3491**	**803.4317**	**815.4014**	**864.3822**	**902.4405**
b_7(-59)		b_8-H_2O(-12)		y_7(-32)	b_8(-30)	y_{15}-H_2O^{+2}(56)		b_9(-32) YNPEPPPP-28(-50)	

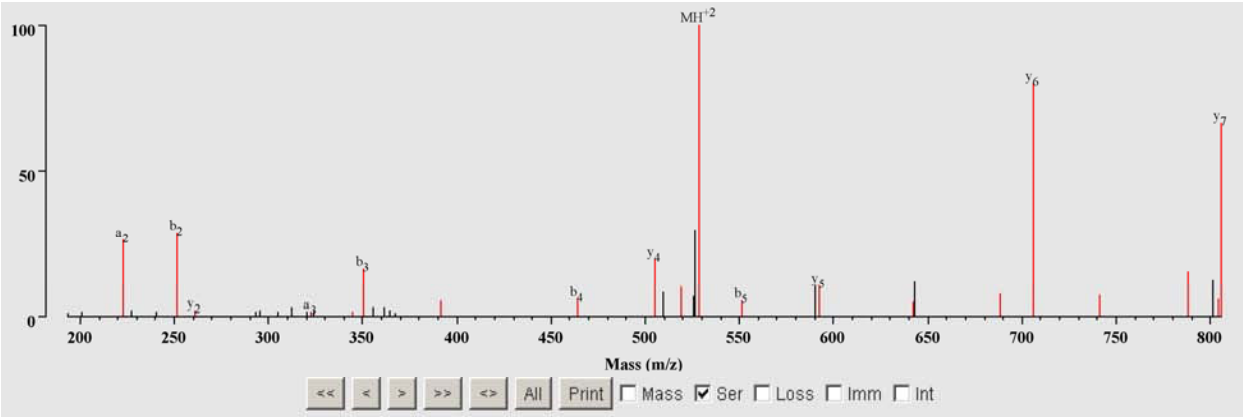
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1970.9607	985.9840
322.1397	3	A	1807.8973	904.4523
435.2238	4	I	1736.8602	868.9338
522.2558	5	S	1623.7762	812.3917
651.2984	6	E	1536.7441	768.8757
722.3355	7	A	1407.7015	704.3544
793.3727	8	A	1336.6644	668.8359
864.4098	9	A	1265.6273	633.3173
992.4684	10	Q	1194.5902	597.7987
1155.5317	11	Y	1066.5316	533.7694
1269.5746	12	N	903.4683	452.2378
1366.6274	13	P	789.4254	395.2163
1495.6700	14	E	692.3726	346.6899
1592.7227	15	P	563.3300	282.1686

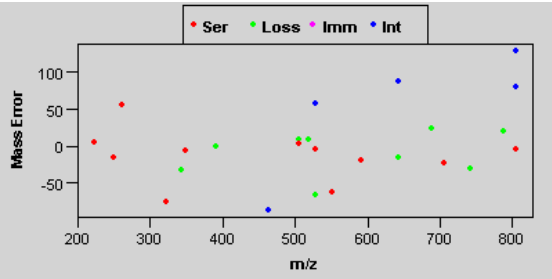
1689.7755	16	**P**	4	466.2772	233.6423
1786.8283	17	**P**	3	369.2245	185.1159
1883.8810	18	**P**	2	272.1717	136.5895
---	19	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVNSPM(Oxidation)NK^{+2}



Max Intensity: **3.34**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **79.5%** Matched Series Intensity: **74.2%**



Sequence: SYVNSPM(Oxidation)NK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C44 H71 N12 O16 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1056.0277	1055.4826	528.5176	528.2449

[–] Peak Matches

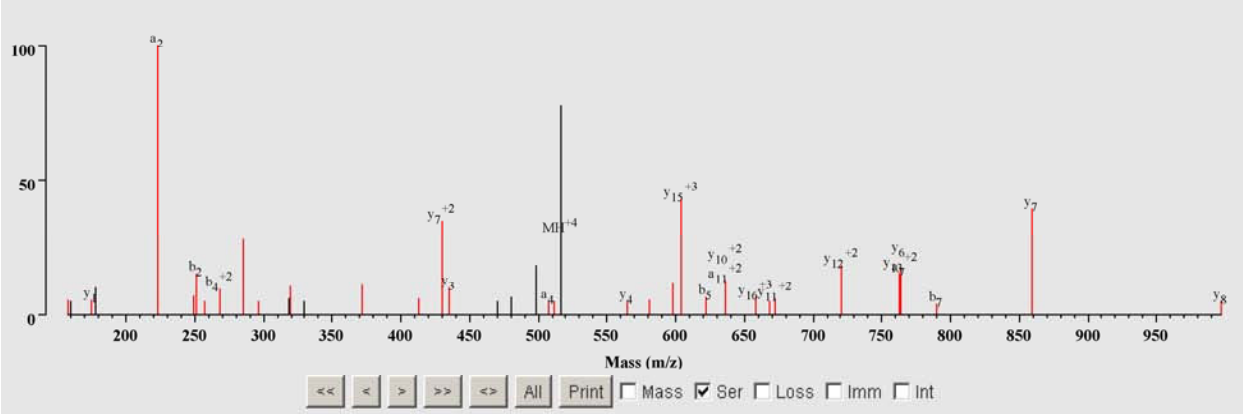
193.0946	201.1179	223.1088	227.0707	240.1283	251.0988	261.1703	293.1239	295.1547	305.1441
		a_2(4.8)			b_2(-15)	y_2(56)			
312.1664	**320.1165**	**322.1519**	**324.0813**	**344.1817**	**350.1691**	**355.1621**	**361.1431**	**364.1496**	**367.1522**
		a_3(-75)		y_3-SOCH$_4$(-32)	b_3(-5.6)				
391.1642	**464.1734**	**505.2453**	**509.2295**	**519.2445**	**525.7069**	**526.2387**	**528.2425**	**551.2114**	**590.3307**
y_3-NH$_3$(-0.98)	b_4(-87) YVNS(-87)	a_5-H$_2$O(9.5) y_4(2.8)		MH-H$_2$O^{+2}(9.3)			VNSPM(Oxidation)-NH$_3$(57) MH^{+2}(-4.6) y_5-SOCH$_4$(-67)	b_5(-63)	
592.2641	**642.3108**	**643.3139**	**688.3246**	**706.3027**	**741.3657**	**788.3768**	**801.3913**	**804.4381**	**805.3834**
y_5(-20)	VNSPM(Oxidation)N-NH$_3$(87) y_6-SOCH$_4$(-15)		y_6-H$_2$O(24)	y_6(-23)	y_7-SOCH$_4$(-31)	y_7-NH$_3$(20)		YVNSPM(Oxidation)N-H$_2$O(129)	YVNSPM(Oxidation)N-NH$_3$(81) y_7(-4.8)

[–] Main Sequence Ions

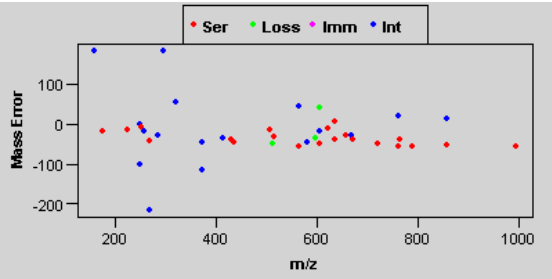
b				y	y^{+2}
---	1	S	9	---	---
251.1026	2	Y	8	968.4506	484.7289
350.1710	3	V	7	805.3873	403.1973
464.2140	4	N	6	706.3189	353.6631
551.2460	5	S	5	592.2759	296.6416
648.2988	6	P	4	505.2439	253.1256
795.3342	7	M(Oxidation)	3	408.1911	204.5992
909.3771	8	N	2	261.1557	131.0815
---	9	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFHSPAFQHPPTEFIR^{+4}



Max Intensity: **33.1**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **78.6%** Matched Series Intensity: **77.8%**



Sequence SYFHSPAFQHPPTEFIR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 4 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C98 H134 N25 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
2062.3092	2060.9977	1031.6583	1031.0025	688.1080	687.6708	516.3329	516.0049

[–] Peak Matches

157.1259	160.0745	175.1158	178.0839	223.1042	249.0979	251.1004	257.1348	268.1077	285.1270
SP-28(183)		y_1(-18)		a_2(-16)	QH-NH_3(-1.3) EF-28(-102)	b_2(-8.9)	FH-28(-19)	b_4^{+2}(-41) PPT-28(-216)	FH(-27)
296.2144	**318.2112**	**319.1945**	**329.1710**	**372.1494**	**413.1789**	**430.2200**	**435.2520**	**470.2826**	**480.2642**
PPT(182)		AFQ-28(56)		FHS(-46) EFI-H_2O(-114)	FQH(-35)	y_7^{+2}(-40)	y_3(-45)		
498.2788	**507.2272**	**511.4776**	**515.9886**	**516.3067**	**564.2813**	**581.2566**	**598.2820**	**604.2762**	**622.2538**
	YFHS-28(-15) a_4(-15)	MH-H_2O^{+4}(-48)	MH^{+4}(-32)		AFQHP-NH_3(44) PAFQH-NH_3(44) y_4(-58)	AFQHP(-46) PAFQH(-46)	y_{15}-H_2O^{+3}(-34)	b_5-H_2O(41) YFHSP-28(-19) y_{15}^{+3}(-49)	b_5(-13)
636.3056	**658.6401**	**668.2957**	**671.8233**	**720.3403**	**762.3714**	**763.8616**	**790.3082**	**859.4214**	**996.4700**
a_{11}^{+2}(6.5) y_{10}^{+2}(-39)	y_{16}^{+3}(-30)	HSPAFQ(-29) SPAFQH(-29)	y_{11}^{+2}(-38)	y_{12}^{+2}(-48)	a_7(19) AFQHPPT-NH_3(19) y_6(-56)	y_{13}^{+2}(-39)	b_7(-55)	PAFQHPPT-NH_3(14) y_7(-53)	y_8(-56)

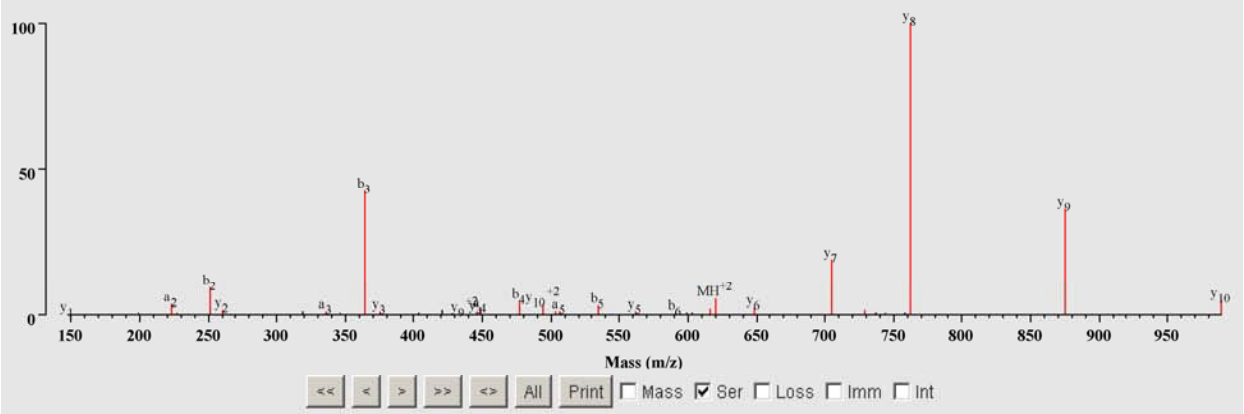
[–] Main Sequence Ions

b	b^{+2}			y	y^{+2}
---	---	1	S	17 ---	---
251.1026	---	2	Y	16 1973.9657	987.4865
398.1710	---	3	F	15 1810.9024	905.9548
535.2300	268.1186	4	H	14 1663.8340	832.4206
622.2620	311.6346	5	S	13 1526.7750	763.8912
719.3148	360.1610	6	P	12 1439.7430	720.3751
790.3519	395.6796	7	A	11 1342.6902	671.8488
937.4203	469.2138	8	F	10 1271.6531	636.3302
1065.4789	533.2431	9	Q	9 1124.5847	562.7960
1202.5378	601.7725	10	H	8 996.5261	498.7667
1299.5905	650.2989	11	P	7 859.4672	430.2373
1396.6433	698.8253	12	P	6 762.4145	381.7109
1497.6910	749.3491	13	T	5 665.3617	333.1845
1626.7336	813.8704	14	E	4 564.3140	282.6606
1773.8020	887.4046	15	F	3 435.2714	218.1394

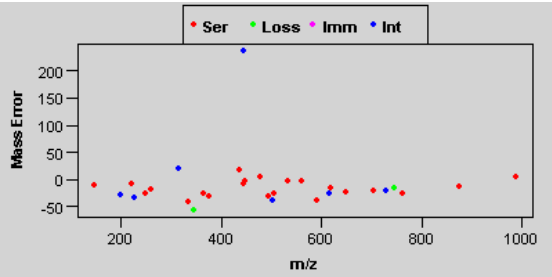
1886.8860	943.9467	16	**I**	2	288.2030	144.6051
---	---	17	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYIIGGSDADIK^{+2}



Max Intensity: **47.8**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **97.2%** Matched Series Intensity: **97.2%**



Sequence SYIIGGSDADIK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C54 H88 N13 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1239.3760	1238.6263	620.1917	619.8168

[–] **Peak Matches**

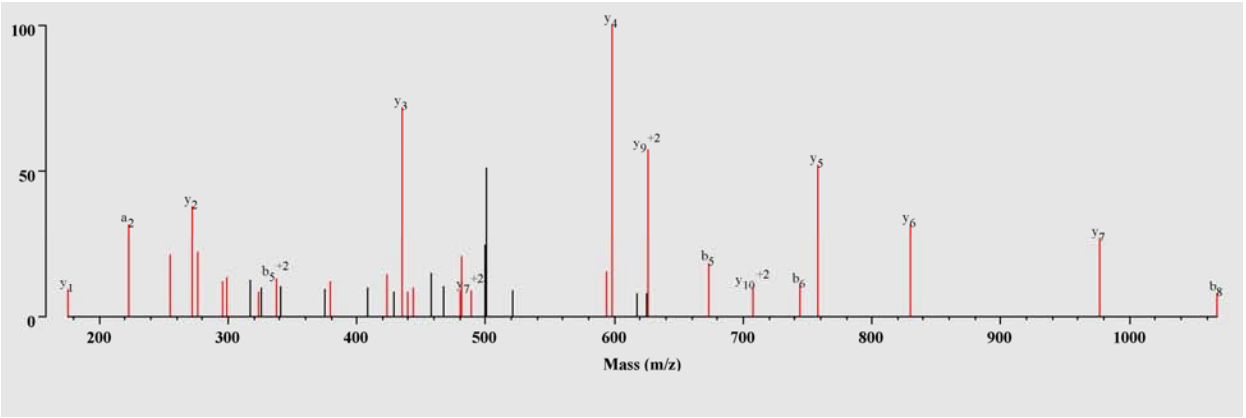
147.1113	**199.1749**	**223.1060**	**227.1677**	**251.0958**	**260.1923**	**308.1242**	**317.1159**	**319.1536**	**336.1776**
y_1(-10)	II-28(-28)	a_2(-7.7)	II(-34)	b_2(-27)	y_2(-18)		GGSD(21)		a_3(-42)
346.1565	**364.1767**	**375.2123**	**384.1868**	**393.2017**	**403.1949**	**421.1922**	**438.2340**	**446.2576**	**449.2739**
b_3-H_2O(-57)	b_3(-27)	y_3(-31)					y_9^{+2}(16)	GSDAD(237) y_4(-7.5)	a_4(-4.3)
477.2728	**494.7541**	**503.1540**	**506.2841**	**534.2900**	**561.2859**	**591.2901**	**599.2619**	**603.2933**	**616.2416**
b_4(4.3)	y_{10}^{+2}(-30)	GGSDAD(-38)	a_5(-26)	b_5(-4.2)	y_5(-3.5)	YIIGGS(-40) b_6(-40)			GGSDADI(-25) IGGSDAD(-25)
619.8065	**648.3050**	**705.3270**	**729.3254**	**737.2865**	**744.3401**	**758.4283**	**762.3433**	**875.4343**	**988.5345**
MH^{+2}(-17)	y_6(-23)	y_7(-20)	IGGSDADI(-22) IIGGSDAD(-22)		y_8-H_2O(-16)		y_8(-26)	y_9(-14)	y_{10}(3.6)

[–] **Main Sequence Ions**

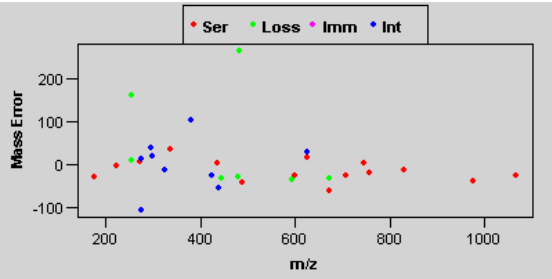
b			y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1151.5943	576.3008
364.1867	3	I	10	988.5310	494.7691
477.2708	4	I	9	875.4469	438.2271
534.2922	5	G	8	762.3628	381.6851
591.3137	6	G	7	705.3414	353.1743
678.3457	7	S	6	648.3199	324.6636
793.3727	8	D	5	561.2879	281.1476
864.4098	9	A	4	446.2609	223.6341
979.4367	10	D	3	375.2238	188.1155
1092.5208	11	I	2	260.1969	130.6021
---	12	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)KFAC(Carbamidomethyl)YYPR^{+3}



Max Intensity: **1.93**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **78.0%** Matched Series Intensity: **77.7%**



Sequence: SYM(Oxidation)KFAC(Carbamidomethyl)YYPR
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C69 H97 N16 O18 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1502.4375	1501.6603	751.7225	751.3338	501.4841	501.2249

[–] Peak Matches

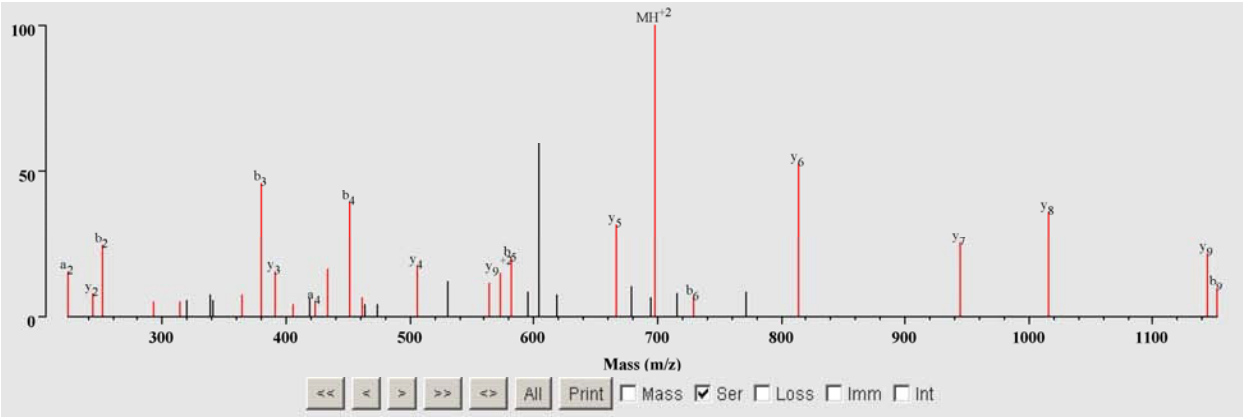
175.1137	223.1071	255.1474	272.1733	276.1408	296.1178	299.1448	317.1646	324.0971	326.2132
y_1(-30)	a_2(-2.8)	b_4-NH_3^{+2}(159) y_2-NH_3(8.8)	y_2(5.8)	M(Oxidation)K(11) KF(-108)	C(Carbamidomethyl)Y-28(39)	YY-28(19)		C(Carbamidomethyl)Y(-13)	
337.1661	**341.1958**	**375.2088**	**379.1825**	**408.2405**	**423.1942**	**428.2653**	**435.2362**	**439.1761**	**444.1602**
b_5^{+2}(35)			FAC(Carbamidomethyl)(103)		M(Oxidation)KF(-28)		y_3(2.7)	YM(Oxidation)K(-57)	b_7-NH_3^{+2}(-33)
457.2332	**467.2212**	**479.8782**	**481.3388**	**488.7002**	**499.2379**	**500.3450**	**521.2596**	**594.2643**	**598.2830**
		MH-$SOCH_4^{+3}$(-29)	a_4-NH_3(264)	y_7^{+2}(-42)				y_9-$SOCH_4^{+2}$(-38)	y_4(-26)
617.2858	**625.2753**	**626.2956**	**673.2595**	**707.7996**	**744.3392**	**758.3132**	**829.3556**	**976.3957**	**1067.4043**
		M(Oxidation)KFAC(Carbamidomethyl)-28(27) y_9^{+2}(15)	b_{10}+H_2O^{+2}(-35) b_5(-62)	y_{10}^{+2}(-26)	b_6(0.91)	y_5(-21)	y_6(-13)	y_7(-40)	b_8(-26)

[–] Main Sequence Ions

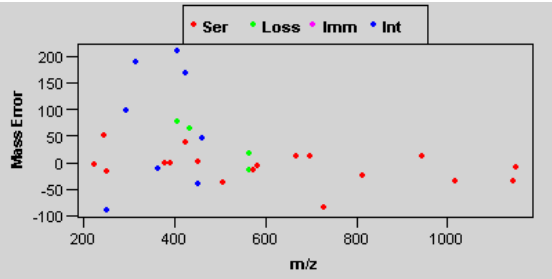
b	b^{+2}				y	y^{+2}
---	---	1	S	11	---	---
251.1026	---	2	Y	10	1414.6282	707.8178
398.1380	---	3	M(Oxidation)	9	1251.5649	626.2861
526.2330	263.6201	4	K	8	1104.5295	552.7684
673.3014	337.1543	5	F	7	976.4345	488.7209
744.3385	372.6729	6	A	6	829.3661	415.1867
904.3692	452.6882	7	C(Carbamidomethyl)	5	758.3290	379.6681
1067.4325	534.2199	8	Y	4	598.2984	299.6528
1230.4958	615.7516	9	Y	3	435.2350	218.1212
1327.5486	664.2779	10	P	2	272.1717	136.5895
---	---	11	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYEAMFC(Carbamidomethyl)DFPK^{+2}



Max Intensity: **3.12**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **75.5%** Matched Series Intensity: **71.5%**



Sequence: SYEAMFC(Carbamidomethyl)DFPK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C63 H88 N13 O19 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1395.4401	1394.5755	698.2237	697.7914

[–] Peak Matches

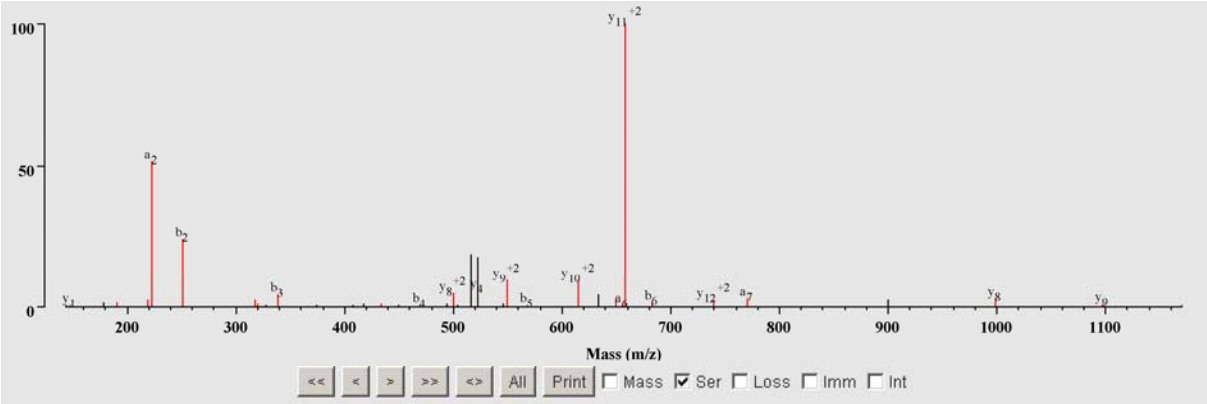
223.1071	244.1783	251.0987	293.1418	314.1767	320.1345	338.1347	341.2604	364.1459	380.1451
a_2(-2.8)	y_2(52)	b_2(-16) MF-28(-90)	YE(98)	EAM-H_2O(190)				YEA(-12)	b_3(-0.33)
391.2331	**405.2078**	**419.1951**	**423.2039**	**433.1991**	**451.1825**	**461.2061**	**463.2652**	**473.2032**	**506.2424**
y_3(-2.3)	FC(Carbamidomethyl)D-H_2O(210) C(Carbamidomethyl)DF-H_2O(210) a_4-H_2O(76)		FC(Carbamidomethyl)D(167) C(Carbamidomethyl)DF(167) a_4(39)	b_4-H_2O(63)	b_4(0.35) EAMF-28(-41)	EAMF-H_2O(45)			y_4(-37)
530.3129	**564.2218**	**572.7353**	**582.2187**	**595.3445**	**604.3283**	**618.2619**	**666.2988**	**678.4088**	**694.4484**
	b_5-H_2O(17) y_9-NH_3^{+2}(-15)	y_9^{+2}(-15)	b_5(-7.1)				y_5(11)		
697.3818	**697.7992**	**715.4338**	**729.2296**	**771.4285**	**813.3400**	**944.4111**	**1015.4013**	**1144.4396**	**1151.4071**
	MH^{+2}(11)		b_6(-85)		y_6(-25)	y_7(11)	y_8(-36)	y_9(-35)	b_9(-8.8)

[–] Main Sequence Ions

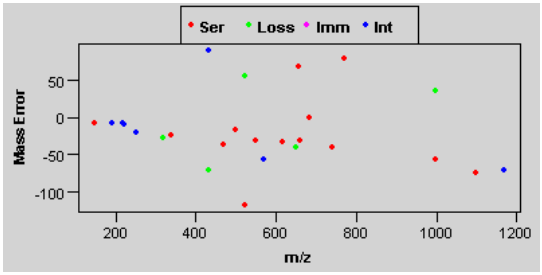
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1307.5435	654.2754
380.1452	3	E	9	1144.4802	572.7437
451.1823	4	A	8	1015.4376	508.2224
582.2228	5	M	7	944.4005	472.7039
729.2912	6	F	6	813.3600	407.1836
889.3219	7	C(Carbamidomethyl)	5	666.2916	333.6494
1004.3488	8	D	4	506.2609	253.6341
1151.4172	9	F	3	391.2340	196.1206
1248.4700	10	P	2	244.1656	122.5864
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSMVDDVFYIVK^{+3}



Max Intensity: **633**
Num Matched: **24/39 (38.5% unmatched)** Matched Intensity: **81.5%** Matched Series Intensity: **81.7%**



Sequence: SYSMVDDVFYIVK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H109 N14 O22 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1566.8244	1565.7556	783.9159	783.3814	522.9464	522.5901

[–] **Peak Matches**

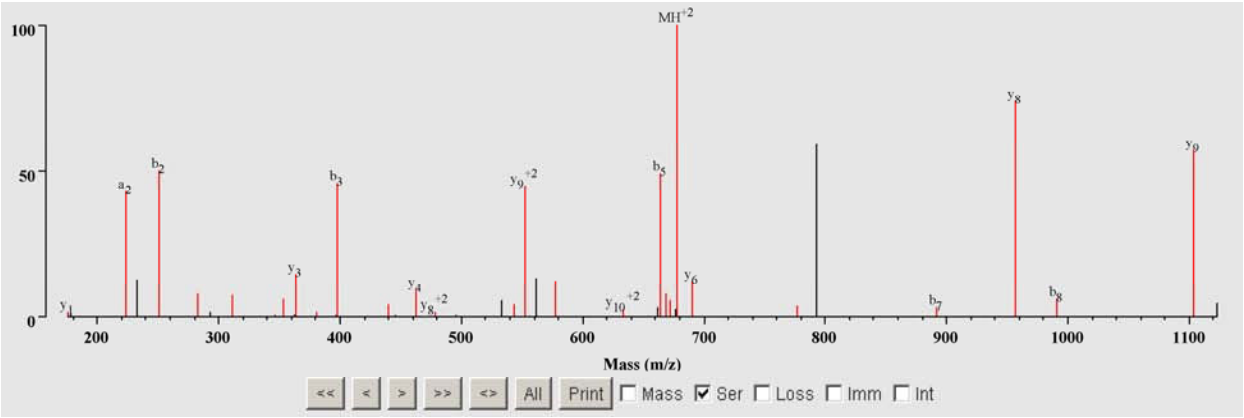
143.0810	147.1117	178.0856	191.0835	219.0783	223.1055	251.0976	318.1392	320.1155	327.2166
	y_1(-7.5)		SM-28(-7.2)	SM(-6.8)	a_2(-9.9) YS-28(-9.9)	b_2(-20) YS(-20)	SMV(-28) MVD-28(-28)	b_3-H_2O(-27)	
338.1267	**374.1530**	**407.2470**	**417.2034**	**433.2141**	**450.2187**	**469.1584**	**493.5651**	**499.7550**	**504.2756**
b_3(-24)				MVDD-28(90) SMVD(90) y_7-H_2O^{+2}(-70)		b_4(-36)		y_8^{+2}(-17)	
516.5776	**522.2672**	**522.5787**	**546.2349**	**549.2803**	**568.2109**	**614.7976**	**633.3220**	**649.3018**	**655.3201**
	a_5-H_2O(56) y_4(-118)			y_9^{+2}(-31)	b_5(-57) YSMVD-28(-57)	y_{10}^{+2}(-33)		y_{11}-H_2O^{+2}(-41)	a_6(68)
657.9852	**658.3129**	**683.2704**	**739.8353**	**770.3632**	**899.4012**	**998.4634**	**1097.5052**	**1169.4730**	
	y_{11}^{+2}(-32)	YSMVDD-28(-0.15) b_6(-0.15)	y_{12}^{+2}(-41)	a_7(79)		a_9-H_2O(35) y_8(-56)	y_9(-75)	SMVDDVFYIV(-70)	

[–] **Main Sequence Ions**

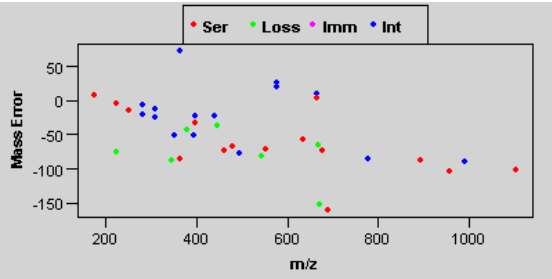
b			y	y^{+2}
---	1	S	13	---	---
251.1026	2	Y	12	1478.7236	739.8654
338.1347	3	S	11	1315.6603	658.3338
469.1751	4	M	10	1228.6282	614.8177
568.2436	5	V	9	1097.5877	549.2975
683.2705	6	D	8	998.5193	499.7633
798.2974	7	D	7	883.4924	442.2498
897.3659	8	V	6	768.4654	384.7364
1044.4343	9	F	5	669.3970	335.2022
1207.4976	10	Y	4	522.3286	261.6679
1320.5817	11	I	3	359.2653	180.1363
1419.6501	12	V	2	246.1812	123.5942
---	13	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFHENNVSTR^{+2}



Max Intensity: **1390**
Num Matched: **30/40 (25.0% unmatched)** Matched Intensity: **84.7%** Matched Series Intensity: **81.9%**



Sequence SYFHENNVSTR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C58 H85 N18 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1354.4301	1353.6182	677.7188	677.3127

[–] **Peak Matches**

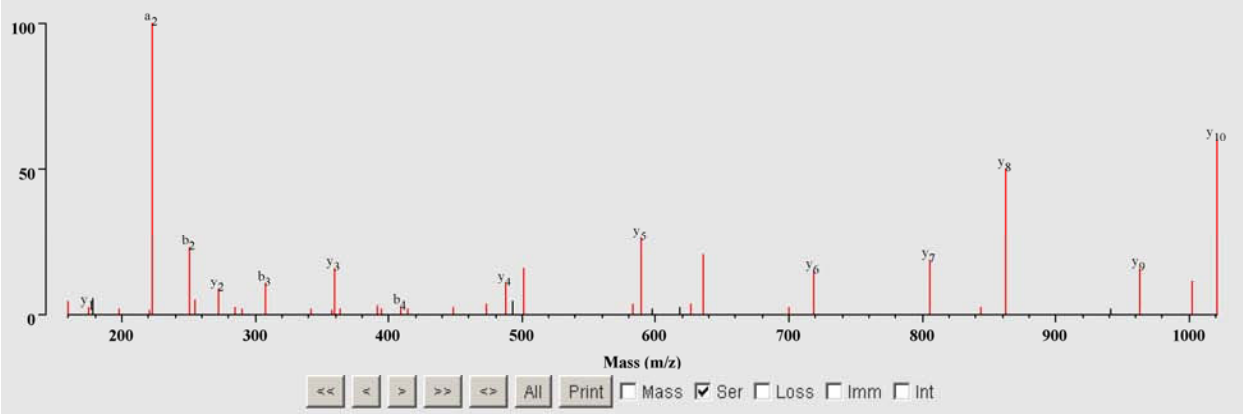
175.1202	**178.0881**	**223.1069**	**232.1371**	**251.0991**	**283.1381**	**293.1067**	**311.1311**	**346.1419**	**353.1385**
y_1(7.1)		a_2(-3.7) y_4-NH_3^{+2}(-76)		b_2(-14)	NVS-H_2O(-7.0) YF-28(-21)		NNV-NH_3(-13) YF(-25)	y_3-NH_3(-87)	HEN-28(-52)
362.1259	**363.1676**	**380.1443**	**396.1459**	**398.1582**	**440.1673**	**445.2247**	**462.2333**	**478.6990**	**495.1558**
	HEN-H_2O(73) y_3(-86)	b_3-H_2O(-43)	FHE-H_2O(-52)	NNVS-NH_3(-22) b_3(-32)	ENNV-NH_3(-23)	y_4-NH_3(-36)	y_4(-73)	y_8^{+2}(-67)	HENN(-78)
533.2110	**543.2156**	**552.2252**	**561.2080**	**577.2518**	**633.7603**	**662.2523**	**664.2752**	**668.2642**	**672.2405**
	y_9-H_2O^{+2}(-81)	y_9^{+2}(-72)		HENNV-NH_3(27) YFHE(20)	y_{10}^{+2}(-57)		HENNVS-NH_3(10) b_5(4.0)	MH-H_2O^{+2}(-65)	y_6-H_2O(-152)
676.8982	**677.2627**	**690.2416**	**777.2656**	**793.3069**	**892.2804**	**956.3560**	**991.3384**	**1103.4102**	**1122.3678**
	MH^{+2}(-74)	y_6(-161)	YFHENN-28(-85)		b_7(-87)	y_8(-103)	b_8(-89) YFHENNVS(-89)	y_9(-102)	

[–] **Main Sequence Ions**

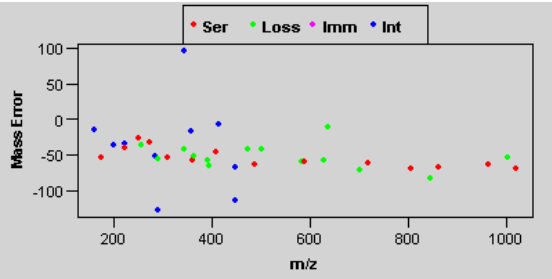
b	b^{+2}				y	y^{+2}
---	---	1	**S**	11	---	---
251.1026	---	2	**Y**	10	1266.5862	633.7967
398.1710	---	3	**F**	9	1103.5228	552.2651
535.2300	268.1186	4	**H**	8	956.4544	478.7309
664.2726	332.6399	5	**E**	7	819.3955	410.2014
778.3155	389.6614	6	**N**	6	690.3529	345.6801
892.3584	446.6828	7	**N**	5	576.3100	288.6586
991.4268	496.2170	8	**V**	4	462.2671	231.6372
1078.4588	539.7331	9	**S**	3	363.1987	182.1030
1179.5065	590.2569	10	**T**	2	276.1666	138.5870
---	---	11	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGTGSETESPR^{+2}



Max Intensity: **56.0**
Num Matched: **35/40 (12.5% unmatched)** Matched Intensity: **96.4%** Matched Series Intensity: **96.4%**



Sequence SYGTGSETESPR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C51 H80 N15 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1271.2904	1270.5546	636.1489	635.7809

[–] **Peak Matches**

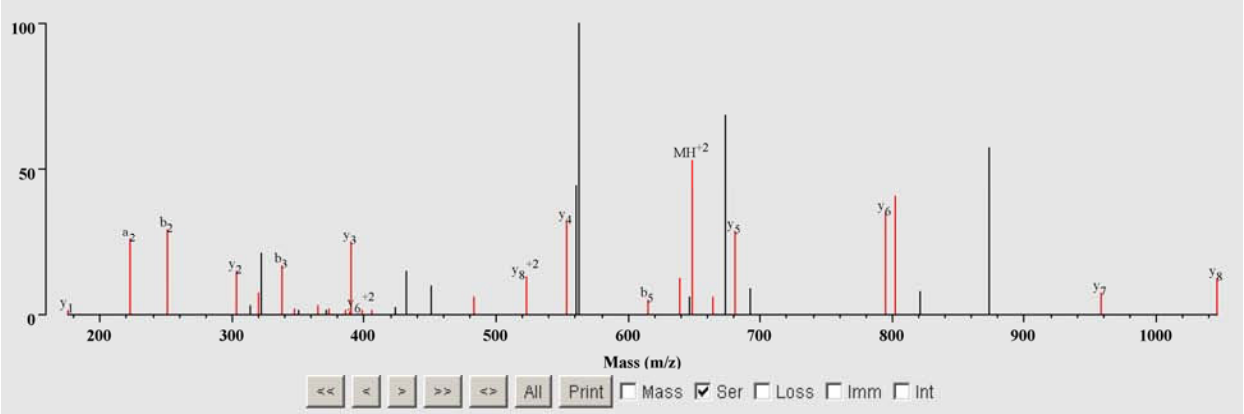
159.0738	175.1096	178.0826	198.0800	221.0845	223.0985	251.0959	255.1356	272.1627	285.1046
GT(-16) TG(-16)	y_1(-53)		GTG-H_2O(-37)	YG(-34)	a_2(-41)	b_2(-27)	y_2-NH_3(-37)	y_2(-33)	GTGS-H_2O(-52)
290.0976	**308.1078**	**342.1624**	**357.1344**	**359.1834**	**363.1473**	**391.1391**	**394.1565**	**409.1529**	**414.1587**
b_3-H_2O(-55) SET-28(-128) TES-28(-128)	b_3(-53)	ETE-H_2O(96) y_3-NH_3(-43)	GSET-H_2O(-17) TGSE-H_2O(-17)	y_3(-57)	a_4-H_2O(-52)	b_4-H_2O(-57)	y_7-H_2O^{+2}(-66)	b_4(-46)	GTGSE-H_2O(-7.8)
448.1522	**473.1973**	**488.2153**	**492.7047**	**501.7070**	**583.2251**	**589.2584**	**597.2177**	**617.7506**	**626.7402**
b_5-H_2O(-68) YGTGS-H_2O(-68) TGSET-28(-115)	y_9-H_2O^{+2}(-42)	y_4(-64)		y_{10}-H_2O^{+2}(-42)	y_{11}-H_2O^{+2}(-59)	y_5(-60)			MH-H_2O^{+2}(-57)
636.2554	**700.2762**	**718.2920**	**805.3123**	**844.3097**	**862.3315**	**941.3442**	**963.3767**	**1002.3960**	**1020.3889**
a_7-H_2O(-11)	y_6-H_2O(-71)	y_6(-62)	y_7(-70)	y_8-H_2O(-83)	y_8(-68)		y_9(-63)	y_{10}-H_2O(-53)	y_{10}(-69)

[–] **Main Sequence Ions**

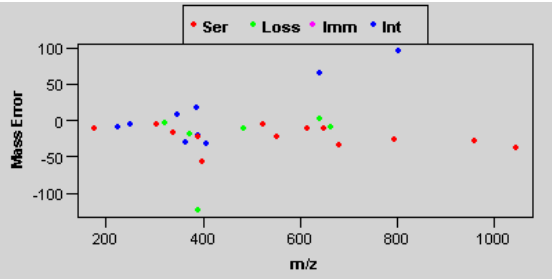
b			y	y^{+2}
---	1	S	12 ---	---
251.1026	2	Y	11 1183.5226	592.2649
308.1241	3	G	10 1020.4592	510.7333
409.1718	4	T	9 963.4378	482.2225
466.1932	5	G	8 862.3901	431.6987
553.2253	6	S	7 805.3686	403.1880
682.2679	7	E	6 718.3366	359.6719
783.3155	8	T	5 589.2940	295.1506
912.3581	9	E	4 488.2463	244.6268
999.3902	10	S	3 359.2037	180.1055
1096.4429	11	P	2 272.1717	136.5895
---	12	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSYNQYSQR^{+2}



Max Intensity: **14.3**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **52.6%** Matched Series Intensity: **47.9%**



Sequence SYSYNQYSQR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C56 H79 N16 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1296.3466	1295.5651	648.6770	648.2862

[–] **Peak Matches**

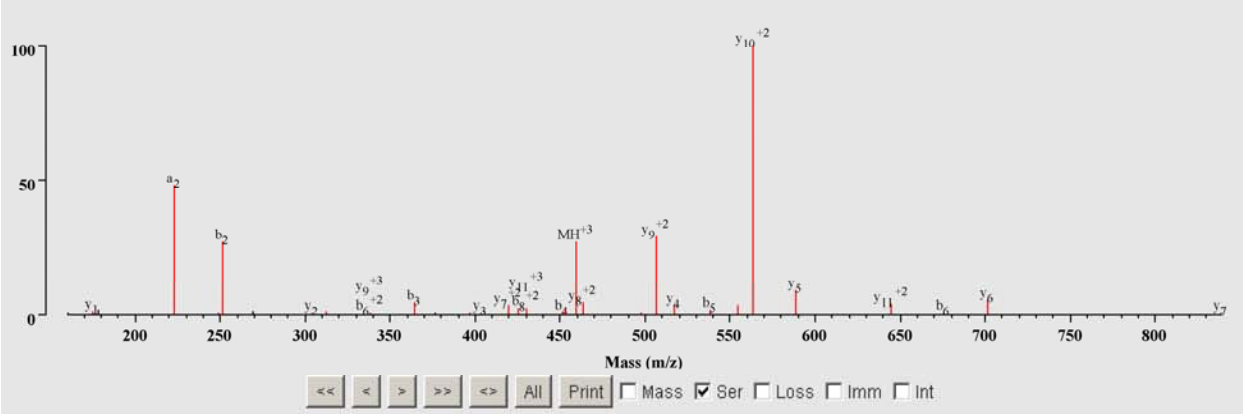
175.1168	223.1054	251.1012	303.1760	314.1692	320.1228	322.1344	338.1289	347.1377	350.1474
y_1(-12)	YS-28(-10) a_2(-10) SY-28(-10)	YS(-5.7) b_2(-5.7) SY(-5.7)	y_2(-5.0)		b_3-H_2O(-4.1)		b_3(-17)	SYN-H_2O(7.8)	
365.1342	**371.1983**	**373.1759**	**386.1778**	**389.1372**	**390.2004**	**398.1682**	**406.1593**	**423.1834**	**432.2112**
SYN(-31)		y_3-NH_3(-19)	YSY-28(17)	NQY-NH_3(-21) YNQ-NH_3(-21) y_6-H_2O^{+2}(-124)	y_3(-23)	y_6^{+2}(-57)	NQY(-32) YNQ(-32)		
451.1776	**483.1820**	**523.2357**	**553.2600**	**560.2661**	**562.2708**	**615.2342**	**639.2824**	**646.2920**	**648.2787**
	b_4-H_2O(-11)	y_8^{+2}(-5.4)	y_4(-23)			b_5(-11)	YNQYS-NH_3(65) SYNQY-NH_3(65) YSYNQ-NH_3(65) MH-H_2O^{+2}(2.3)		MH^{+2}(-12)
664.2991	**673.3487**	**681.3078**	**692.3089**	**795.3531**	**802.3810**	**821.3916**	**873.4227**	**958.4111**	**1045.4310**
y_5-NH_3(-8.8)		y_5(-35)		y_6(-27)	YSYNQY-NH_3(96)			y_7(-28)	y_8(-37)

[–] **Main Sequence Ions**

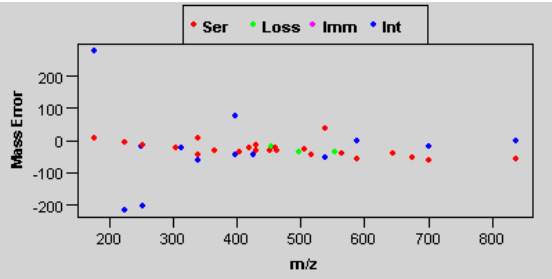
b			y	y^{+2}
---	1	S	10	---	---
251.1026	2	Y	9	1208.5331	604.7702
338.1347	3	S	8	1045.4697	523.2385
501.1980	4	Y	7	958.4377	479.7225
615.2409	5	N	6	795.3744	398.1908
743.2995	6	Q	5	681.3315	341.1694
906.3628	7	Y	4	553.2729	277.1401
993.3949	8	S	3	390.2096	195.6084
1121.4534	9	Q	2	303.1775	152.0924
---	10	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLSSHIANVER^{+3}



Max Intensity: **1471**
Num Matched: **28/32 (12.5% unmatched)** Matched Intensity: **98.6%** Matched Series Intensity: **98.7%**



Sequence SYLSSHIANVER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300
Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C59 H95 N18 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1376.5210	1375.6965	688.7642	688.3519	459.5119	459.2370

[–] Peak Matches

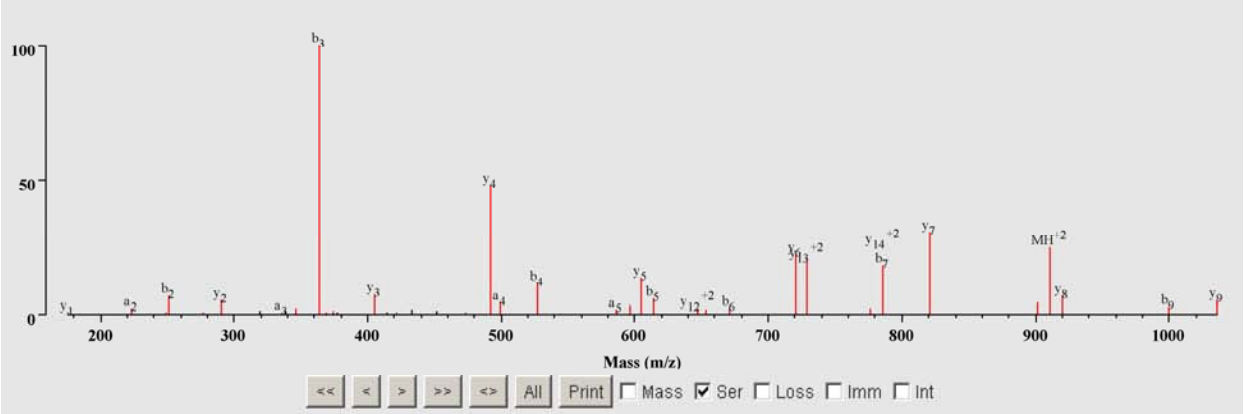
160.0757	175.1202	178.0907	223.1069	249.1549	251.0991	269.1137	304.1548	312.1234	338.1615
	SS(279) y_1(7.1)		a_2(-3.7) HI-28(-217)	YL-28(-19)	b_2(-14) HI(-204)		y_2(-22)	SSH(-22)	b_6^{+2}(9.0) y_9^{+3}(-46) SHI(-61)
364.1746	**376.2042**	**397.2014**	**403.2160**	**419.7201**	**425.1955**	**430.2136**	**451.2052**	**453.2257**	**459.2270**
YLS(-33) b_3(-33)		ANVE-NH_3(75) LSSH-28(-45) SSHI-28(-45)	y_3(-35)	y_7^{+2}(-24)	LSSH(-44) SSHI(-44)	b_8^{+2}(-13) y_{11}^{+3}(-30)	YLSS(-30) b_4(-30)	MH-H_2O^{+3}(-17)	MH^{+3}(-22)
463.2308	**497.7388**	**506.7480**	**517.2489**	**538.2708**	**554.2797**	**563.2814**	**588.2768**	**644.8099**	**675.2742**
y_8^{+2}(-33)	y_9-H_2O^{+2}(-36)	y_9^{+2}(-28)	y_4(-46)	b_5(37) LSSHI(-51)	y_{10}-H_2O^{+2}(-35)	y_{10}^{+2}(-40)	YLSSH(-1.4) y_5(-56)	y_{11}^{+2}(-40)	b_6(-53)
701.3499	**838.4031**								
YLSSHI(-17) y_6(-63)	SSHIANVE(-2.7) y_7(-59)								

[–] Main Sequence Ions

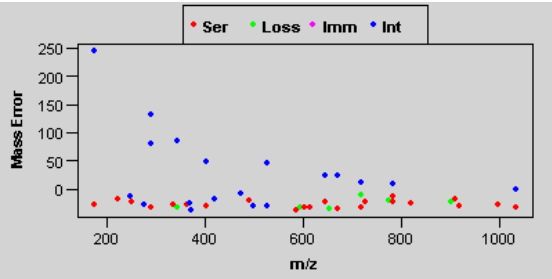
b	b^{+2}			y	y^{+2}
---	---	1	S 12	---	---
251.1026	---	2	Y 11	1288.6644	644.8359
364.1867	---	3	L 10	1125.6011	563.3042
451.2187	---	4	S 9	1012.5170	506.7622
538.2508	---	5	S 8	925.4850	463.2461
675.3097	338.1585	6	H 7	838.4530	419.7301
788.3937	394.7005	7	I 6	701.3941	351.2007
859.4308	430.2191	8	A 5	588.3100	294.6586
973.4738	487.2405	9	N 4	517.2729	259.1401
1072.5422	536.7747	10	V 3	403.2300	202.1186
1201.5848	601.2960	11	E 2	304.1615	152.5844
---	---	12	R 1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLYSGNDVTDISDDR^{+2}



Max Intensity: **660**
Num Matched: **34/40 (15.0% unmatched)** Matched Intensity: **98.2%** Matched Series Intensity: **98.0%**



Sequence SYLYSGNDVTDISDDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C76 H115 N20 O32

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1820.8752	1819.7981	910.9413	910.4027

[–] Peak Matches

175.1143	223.1040	249.1567	251.0967	277.1470	290.1364	319.1565	336.1824	338.1202	346.1649
SD-28(245) y_1(-27)	YS-28(-17) a_2(-17)	LY-28(-12) YL-28(-12)	YS(-24) b_2(-24)	LY(-28) YL(-28)	SDD-28(131) YSG-H_2O(79) y_2(-33)		LYS-28(-28) a_3(-28)		SGND-28(84) LYS-H_2O(-32) b_3-H_2O(-32)
364.1763	**369.1314**	**374.1163**	**377.1358**	**405.1603**	**414.1488**	**422.1599**	**433.1976**	**451.2037**	**473.1954**
LYS(-29) b_3(-29)	GNDV-NH_3(-25)	SGND(-38)		YSGN-NH_3(49) y_3(-31)		YSGN(-17)			SGNDV(-7.7)
492.1951	**499.2401**	**527.2336**	**586.2650**	**596.2512**	**605.2688**	**614.2626**	**647.2669**	**653.2697**	**671.2793**
y_4(-20)	a_4(-30) YLYS-28(-30)	NDVTD-H_2O(45) b_4(-31) YLYS(-31)	a_5(-38)	b_5-H_2O(-34)	y_5(-33)	b_5(-32)	TDISDD(23) y_{12}^{+2}(-22)	b_6-H_2O(-36)	SGNDVTD-H_2O(24) b_6(-36)
720.2924	**728.7968**	**776.3341**	**785.3373**	**821.3428**	**901.3754**	**910.3861**	**920.4034**	**999.4127**	**1035.4262**
YSGNDVT-NH_3(12) y_{13}-NH_3^{+2}(-10) y_6(-33)	y_{13}^{+2}(-22)	y_{14}-H_2O^{+2}(-20)	SGNDVTDI-NH_3(7.8) GNDVTDIS-NH_3(7.8) YLYSGND-28(-12) b_7(-12) y_{14}^{+2}(-23)	y_7(-25)	MH-H_2O^{+2}(-24)	MH^{+2}(-18)	y_8(-31)	b_9(-29)	YSGNDVTDIS-NH_3(-0.33) y_9(-32)

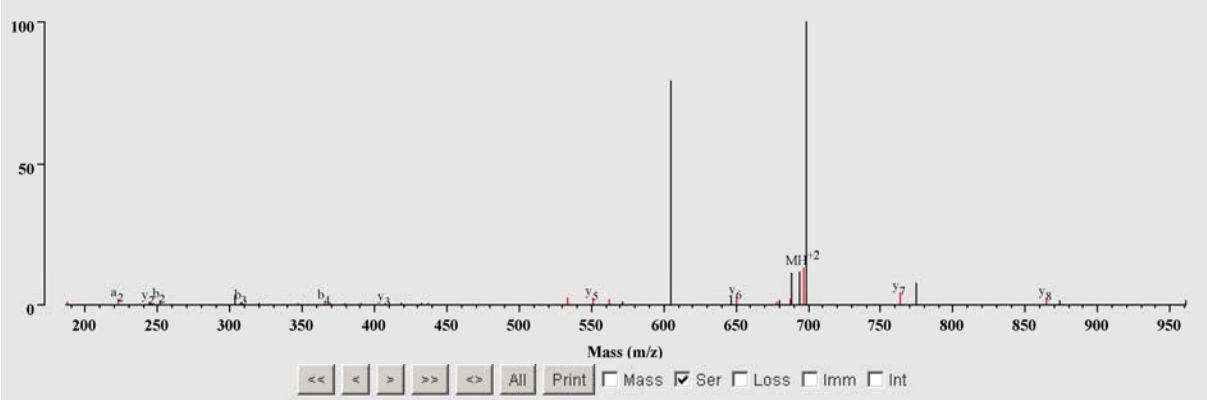
[–] Main Sequence Ions

b			y	y^{+2}
---	1	S 16	---	---
251.1026	2	Y 15	1732.7660	866.8867
364.1867	3	L 14	1569.7027	785.3550
527.2500	4	Y 13	1456.6187	728.8130
614.2821	5	S 12	1293.5553	647.2813
671.3035	6	G 11	1206.5233	603.7653
785.3464	7	N 10	1149.5018	575.2546
900.3734	8	D 9	1035.4589	518.2331
999.4418	9	V 8	920.4320	460.7196
1100.4895	10	T 7	821.3636	411.1854
1215.5164	11	D 6	720.3159	360.6616
1328.6005	12	I 5	605.2889	303.1481
1415.6325	13	S 4	492.2049	246.6061

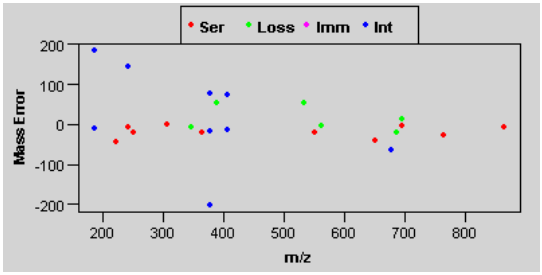
1530.6595	14	**D**	3	405.1728	203.0901
1645.6864	15	**D**	2	290.1459	145.5766
---	16	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGGYTLVSGYPK^{+2}



Max Intensity: **31.1**
Num Matched: **20/40 (50.0% unmatched)** Matched Intensity: **16.4%** Matched Series Intensity: **11.4%**



Sequence SYGGYTLVSGYPK

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 2 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C65 H95 N14 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1392.5607	1391.6842	696.7841	696.3457

[–] **Peak Matches**

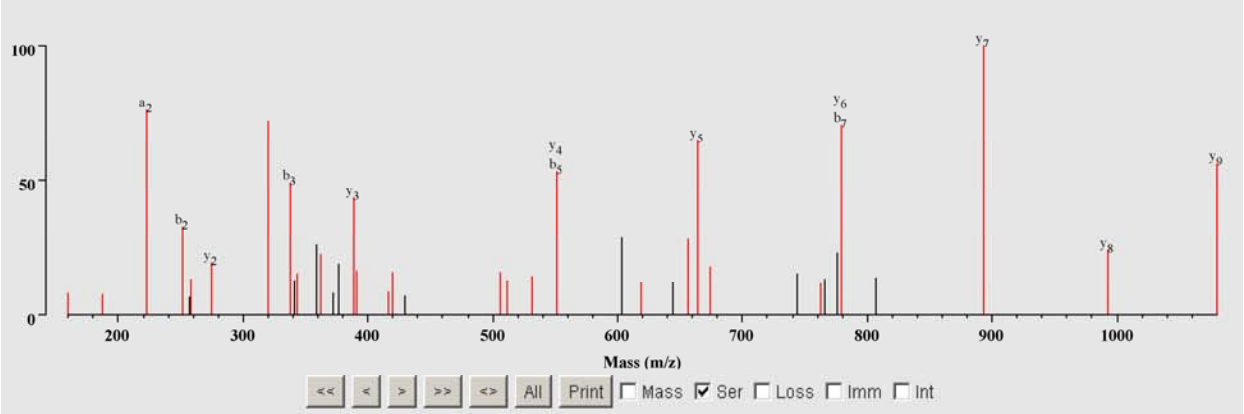
186.1079	187.1423	223.0975	244.1640	251.0973	303.2061	307.0983	308.1242	320.1131	338.1154
	VS(185) TL-28(-9.6)	a_2(-46)	VSG(143) y_2(-6.4)	b_2(-21)			SGY(0.33) b_3(0.33)		
347.1328	**365.1382**	**369.1936**	**378.1257**	**379.1903**	**390.2231**	**407.2228**	**418.1789**	**432.2370**	**437.2478**
b_4-H_2O(-6.3)	b_4(-20)		YTL(-203)	GGYT(77) VSGY-28(-19)	y_3-NH_3(53)	VSGY(74) y_3(-15) GYTL-28(-15)			
533.2994	**551.2714**	**562.2910**	**571.8137**	**605.2943**	**646.3640**	**650.3238**	**678.3017**	**680.3567**	**687.3267**
y_5-H_2O(52)	y_5(-20)	y_{11}-H_2O^{+2}(-3.1)				GGYTLVS-28(-42) GYTLVSG-28(-42) y_6(-42)	GYTLVSG(-65) GGYTLVS(-65)		MH-H_2O^{+2}(-20)
688.3445	**693.8186**	**694.3323**	**696.3440**	**698.3611**	**763.4152**	**774.4359**	**864.4768**	**873.5450**	**960.5474**
			a_7-H_2O(13) MH^{+2}(-2.5)		y_7(-26)		y_8(-6.6)		

[–] **Main Sequence Ions**

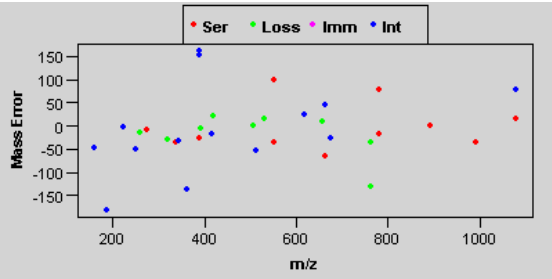
b			y	y^{+2}
---	1	S	13 ---	---
251.1026	2	Y	12 1304.6521	652.8297
308.1241	3	G	11 1141.5888	571.2980
365.1456	4	G	10 1084.5673	542.7873
528.2089	5	Y	9 1027.5459	514.2766
629.2566	6	T	8 864.4825	432.7449
742.3406	7	L	7 763.4349	382.2211
841.4090	8	V	6 650.3508	325.6790
928.4411	9	S	5 551.2824	276.1448
985.4625	10	G	4 464.2504	232.6288
1148.5259	11	Y	3 407.2289	204.1181
1245.5786	12	P	2 244.1656	122.5864
---	13	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSVNDLYIQK^{+2}



Max Intensity: **1.66**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **81.0%** Matched Series Intensity: **80.4%**



Sequence SYSVNDLYIQK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C60 H93 N14 O20

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1330.4892	1329.6685	665.7483	665.3379

[–] **Peak Matches**

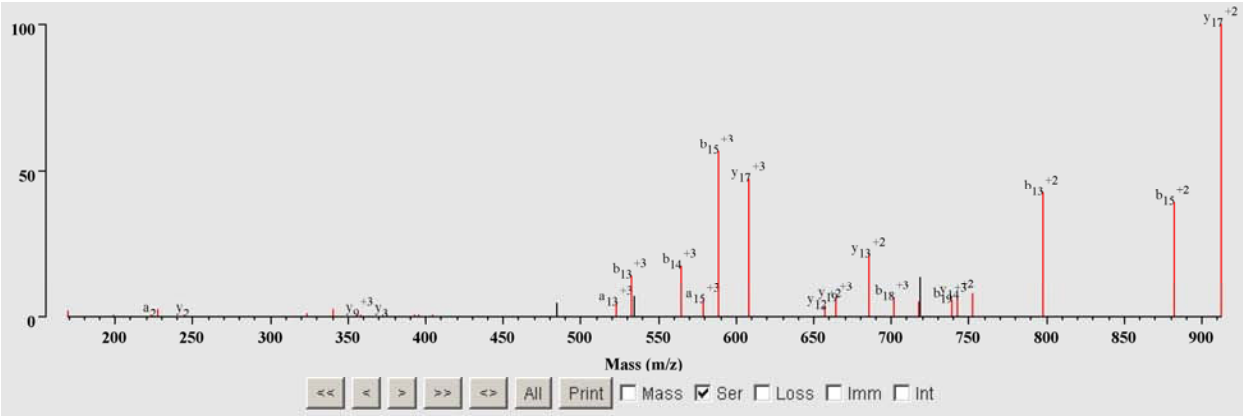
159.1055	187.0737	223.1074	251.0898	257.1629	258.1413	275.1688	320.1148	338.1224	341.0072
SV-28(-46)	SV(-182)	a_2(-1.4) YS-28(-1.4)	b_2(-51) YS(-51)		y_2-NH_3(-14)	y_2(-9.4)	b_3-H_2O(-29)	b_3(-36)	
343.1500	**359.0183**	**362.1943**	**372.2169**	**376.2195**	**388.2456**	**391.1960**	**416.1703**	**419.2015**	**429.0825**
NDL(-33)		LYI-28(-137)			SVND-28(162) YIQ-NH_3(152) y_3(-25)	a_4-H_2O(-4.1)	SVND(-18)	b_4-H_2O(21)	
506.2245	**511.2243**	**531.7857**	**551.3003**	**603.3329**	**619.3235**	**644.2938**	**656.3382**	**663.8232**	**664.3598**
NDLY(-0.078) a_5-NH_3(-0.078)	SVNDL-H_2O(-52)	y_9-NH_3^{+2}(16)	YSVND-28(98) b_5(98) y_4(-34)		NDLYI(24)		MH-H_2O^{+2}(8.5)		SVNDLY-28(45) YSVNDL-28(45) y_5(-65)
674.2968	**744.2911**	**762.3041**	**766.3470**	**775.3819**	**779.4170**	**806.3990**	**893.4721**	**992.5054**	**1079.5888**
YSVNDL-H_2O(-26) SVNDLY-H_2O(-26)		b_7-NH_3(-35) y_6-NH_3(-130)			b_7(77) y_6(-16)		y_7(-0.68)	y_8(-36)	YSVNDLYIQ-NH_3(78) y_9(14)

[–] **Main Sequence Ions**

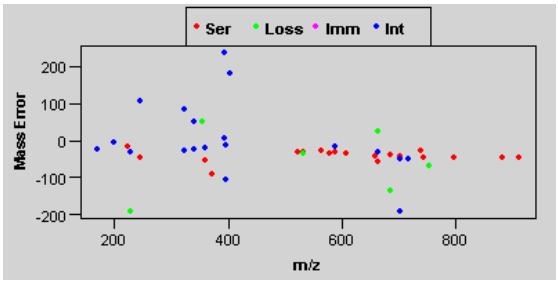
b				y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1242.6365	621.8219
338.1347	3	S	9	1079.5732	540.2902
437.2031	4	V	8	992.5411	496.7742
551.2460	5	N	7	893.4727	447.2400
666.2729	6	D	6	779.4298	390.2185
779.3570	7	L	5	664.4028	332.7051
942.4203	8	Y	4	551.3188	276.1630
1055.5044	9	I	3	388.2554	194.6314
1183.5630	10	Q	2	275.1714	138.0893
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSC(Carbamidomethyl)DKTHTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPELLGGPSVFLFPPKPK^{+5}



Max Intensity: **131**
Num Matched: **30/33 (9.1% unmatched)** Matched Intensity: **94.2%** Matched Series Intensity: **94.1%**



Sequence: SYSC(Carbamidomethyl)DKTHTC(Carbamidomethyl)PPC(Carbamidomethyl)PAPE
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 5 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C162 H247 N40 O46 S3

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)	MH^{+5}(av)	MH^{+5}(mono)
3586.7063	3584.7375	1793.8569	1792.8724	1196.2404	1195.5840	897.4321	896.9398	718.1472	717.7533

[–] Peak Matches

169.0933	199.1070	223.1042	227.0955	244.1547	323.1990	340.1784	355.2518	358.2047	372.2261
SV-H_2O(-23) AP(-23) PA(-23)	PE-28(-3.6)	YS-28(-16) a_2(-16)	DK-NH_3(-31) PE(-31) y_2-NH_3(-192)	DK(105) y_2(-45)	GPSV-H_2O(85) PPK(-27) PKP(-27)	THT(50) PEL(-24)	y_3-NH_3(50)	LFP(-22) y_9^{+3}(-52)	y_3(-92)
393.2157	**395.1868**	**404.2327**	**484.5274**	**522.8604**	**532.1918**	**534.2088**	**564.5421**	**578.8861**	**588.2181**
YSC(Carbamidomethyl)-H_2O(237) APEL-H_2O(6.2)	PAPE(-14) ELLG-H_2O(-107)	C(Carbamidomethyl)DK(180)		a_{13}^{+3}(-30)	b_{13}^{+3}(-30) b_9-NH_3^{+2}(-36)		b_{14}^{+3}(-29)	a_{15}^{+3}(-34)	TC(Carbamidomethyl)PPC(Carbamidomethyl)-28(-15) b_{15}^{+3}(-33)
608.3309	**657.3559**	**664.3455**	**685.8682**	**701.2683**	**717.3563**	**718.2227**	**738.9709**	**742.4016**	**752.2716**
y_{17}^{+3}(-37)	y_{12}^{+2}(-43)	y_{30}-NH_3^{+5}(25) PELLGGP(-32) y_{19}^{+3}(-57)	y_{13}^{+2}(-39) a_{18}-H_2O^{+3}(-137)	b_{18}^{+3}(-41) SC(Carbamidomethyl)DKTH-28(-50) VFLFPP(-191)	APELLGGP-H_2O(-51) PAPELLGG-H_2O(-51)		b_{19}^{+3}(-29)	y_{14}^{+2}(-48)	C(Carbamidomethyl)PPC(Carbamidomethyl)PAP-28(-67) b_{20}-NH_3^{+3}(-69)
797.7699	**881.8134**	**911.9830**							
b_{13}^{+2}(-47)	b_{15}^{+2}(-45)	y_{17}^{+2}(-48)							

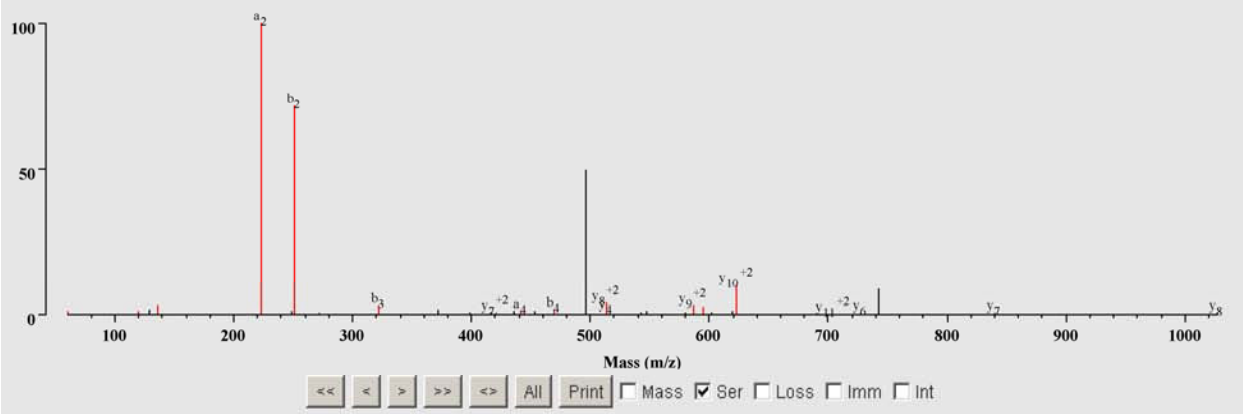
[–] Main Sequence Ions

b	b^{+2}				y	y^{+2}
---	---	1	**S**	32	---	---
251.1026	---	2	**Y**	31	3497.7055	1749.3564
338.1347	---	3	**S**	30	3334.6421	1667.8247
498.1653	---	4	**C(Carbamidomethyl)**	29	3247.6101	1624.3087
613.1923	---	5	**D**	28	3087.5794	1544.2934
741.2872	371.1472	6	**K**	27	2972.5525	1486.7799
842.3349	421.6711	7	**T**	26	2844.4575	1422.7324
979.3938	490.2005	8	**H**	25	2743.4099	1372.2086
1080.4415	540.7244	9	**T**	24	2606.3509	1303.6791
1240.4721	620.7397	10	**C(Carbamidomethyl)**	23	2505.3033	1253.1553
1337.5249	669.2661	11	**P**	22	2345.2726	1173.1399
1434.5777	717.7925	12	**P**	21	2248.2199	1124.6136
1594.6083	797.8078	13	**C(Carbamidomethyl)**	20	2151.1671	1076.0872
1691.6611	846.3342	14	**P**	19	1991.1364	996.0719

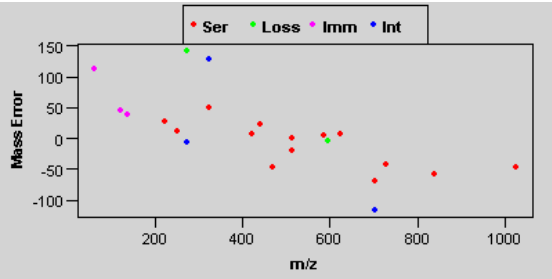
1762.6982	881.8527	15	**A**	18	1894.0837	947.5455
1859.7510	930.3791	16	**P**	17	1823.0466	912.0269
1988.7935	994.9004	17	**E**	16	1725.9938	863.5005
2101.8776	1051.4424	18	**L**	15	1596.9512	798.9792
2214.9617	1107.9845	19	**L**	14	1483.8671	742.4372
2271.9831	1136.4952	20	**G**	13	1370.7831	685.8952
2329.0046	1165.0059	21	**G**	12	1313.7616	657.3844
2426.0574	1213.5323	22	**P**	11	1256.7402	628.8737
2513.0894	1257.0483	23	**S**	10	1159.6874	580.3473
2612.1578	1306.5825	24	**V**	9	1072.6554	536.8313
2759.2262	1380.1167	25	**F**	8	973.5870	487.2971
2872.3103	1436.6588	26	**L**	7	826.5185	413.7629
3019.3787	1510.1930	27	**F**	6	713.4345	357.2209
3116.4315	1558.7194	28	**P**	5	566.3661	283.6867
3213.4842	1607.2458	29	**P**	4	469.3133	235.1603
3341.5792	1671.2932	30	**K**	3	372.2605	186.6339
3438.6320	1719.8196	31	**P**	2	244.1656	122.5864
---	---	32	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAFWLDVSHNR^{+3}



Max Intensity: **49.7**
Num Matched: **19/40 (52.5% unmatched)** Matched Intensity: **73.9%** Matched Series Intensity: **73.8%**



Sequence SYAFWLDVSHNR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H96 N19 O19

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1495.6474	1494.7124	748.3274	747.8599	499.2207	498.9090

[–] **Peak Matches**

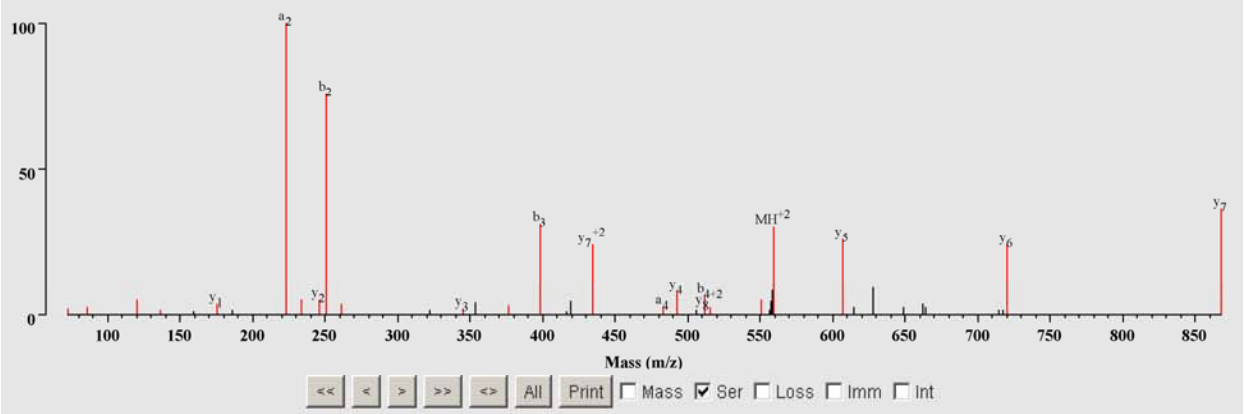
60.0512	**120.0860**	**129.1094**	**136.0810**	**223.1138**	**249.1685**	**251.1055**	**272.1741**	**322.1560**	**372.1920**
S(113)	F(44)		Y(39)	a_2(27)		b_2(11)	y_2-NH_3(142) WL-28(-6.0)	SHN-NH_3(129) b_3(50)	
398.1672	**416.2404**	**420.7228**	**435.2556**	**441.2236**	**453.2152**	**469.1855**	**496.7312**	**513.2426**	**513.7597**
		y_7^{+2}(7.2)		a_4(23)		b_4(-48)		y_4(-20)	y_8^{+2}(0.65)
521.9530	**539.2661**	**542.3014**	**547.3149**	**555.3216**	**569.2931**	**572.2849**	**580.3088**	**587.2969**	**595.2926**
								y_9^{+2}(5.6)	y_5-NH_3(-3.5)
602.3129	**619.8232**	**622.8171**	**632.7925**	**671.2747**	**704.2942**	**727.3176**	**742.3478**	**840.3823**	**1026.4618**
		y_{10}^{+2}(7.9)			y_{11}^{+2}(-70) AFWLDV-28(-117)	y_6(-42)		y_7(-59)	y_8(-48)

[–] **Main Sequence Ions**

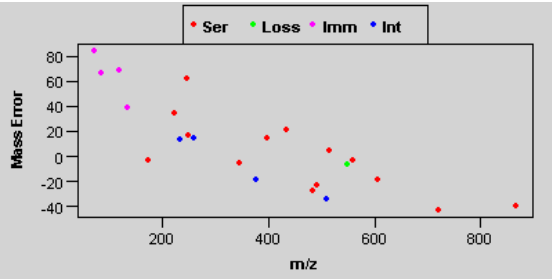
b	b^{+2}				y	y^{+2}
---	---	1	**S**	12	---	---
251.1026	---	2	**Y**	11	1407.6804	704.3438
322.1397	---	3	**A**	10	1244.6171	622.8122
469.2082	---	4	**F**	9	1173.5800	587.2936
655.2875	---	5	**W**	8	1026.5116	513.7594
768.3715	---	6	**L**	7	840.4322	420.7198
883.3985	---	7	**D**	6	727.3482	364.1777
982.4669	---	8	**V**	5	612.3212	306.6643
1069.4989	---	9	**S**	4	513.2528	257.1300
1206.5578	603.7826	10	**H**	3	426.2208	213.6140
1320.6008	660.8040	11	**N**	2	289.1619	145.0846
---	---	12	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYFIDFVAR^{+2}



Max Intensity: **7.26**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **88.1%** Matched Series Intensity: **87.0%**



Sequence SYFIDFVAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C54 H77 N12 O14

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1118.2853	1117.5677	559.6464	559.2875

[–] Peak Matches

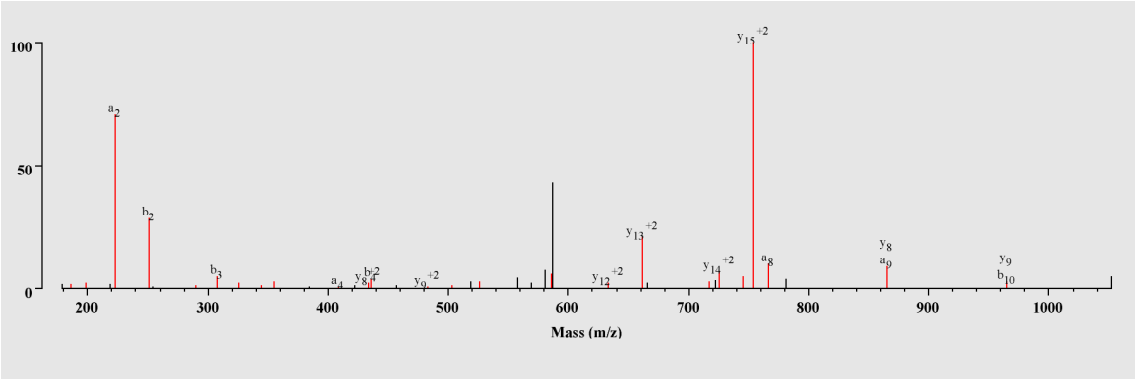
72.0868	**86.1021**	**120.0891**	**136.0810**	**159.1063**	**175.1183**	**186.1177**	**223.1152**	**233.1679**	**246.1714**
V(84)	I(66)	F(69)	Y(39)		y_1(-3.7)		a_2(34)	FI-28(13)	y_2(62)
251.1070	**261.1634**	**322.1373**	**345.2227**	**353.1375**	**376.1797**	**398.1766**	**416.2114**	**419.2331**	**434.2491**
b_2(17)	FI(14)		y_3(-5.2)		FID(-19) IDF(-19)	b_3(14)			y_7^{+2}(21)
483.2471	**492.2818**	**505.8097**	**511.2375**	**515.7739**	**550.2788**	**556.3258**	**556.9823**	**558.2675**	**559.2855**
a_4(-27)	y_4(-23)		b_4(-34) YFID-28(-34)	y_8^{+2}(4.7)	MH-H_2O^{+2}(-6.2)				MH^{+2}(-3.5)
607.3082	**614.7648**	**628.3283**	**648.6811**	**662.3511**	**664.3257**	**714.8078**	**717.3457**	**720.3732**	**867.4372**
y_5(-19)								y_6(-43)	y_7(-40)

[–] Main Sequence Ions

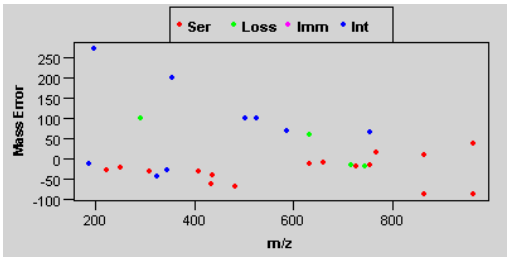
b			y	y^{+2}
---	1	S	9 ---	---
251.1026	2	Y	8 1030.5356	515.7715
398.1710	3	F	7 867.4723	434.2398
511.2551	4	I	6 720.4039	360.7056
626.2821	5	D	5 607.3198	304.1636
773.3505	6	F	4 492.2929	246.6501
872.4189	7	V	3 345.2245	173.1159
943.4560	8	A	2 246.1561	123.5817
---	9	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGQGDADVAGYLQSAR^{+3}



Max Intensity: **2275**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **78.0%** Matched Series Intensity: **78.0%**



Sequence SYGQGDADVAGYLQSAR

N Term | C Term | Neutral Loss

[+] Additional Sequences

Max Charge 3 | Count Basic AA | Multiple Losses | Multi Z Internal

Max MSMS Pks | Frag Tol 300 ppm | Cal | Cal Tol (ppm) 300

Raw Data | Unprocessed MSMS | MS-Product | Output HTML

Elemental Compositon: C74 H113 N22 O28

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1758.8530	1757.8089	879.9302	879.4081	586.9560	586.6078

[–] **Peak Matches**

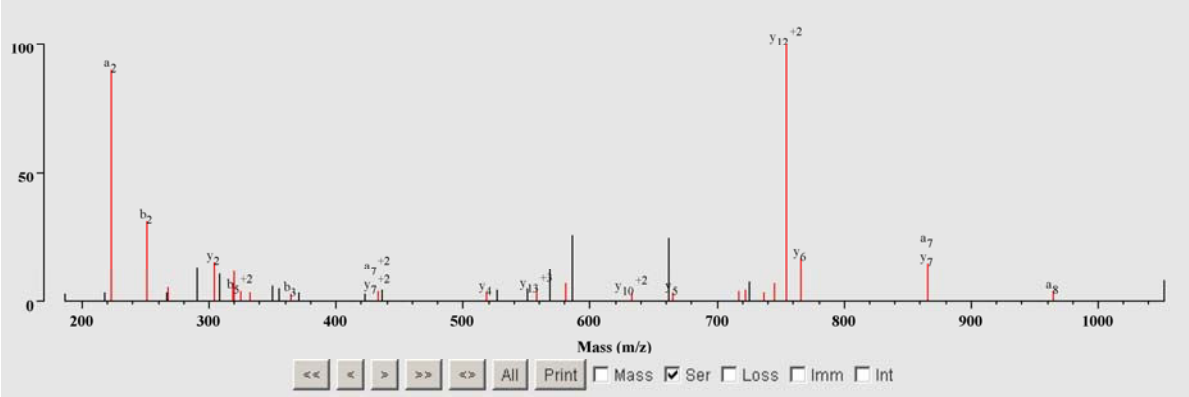
178.0826	186.0853	198.1413	218.1435	223.1014	251.0974	254.1419	290.1427	308.1144	325.1364
	GQ(-11) QG(-11)	QS-H_2O(273)		a_2(-28)	b_2(-21)		b_3-H_2O(101)	b_3(-31)	DVAG-H_2O(-44)
344.1469	**355.1965**	**384.1741**	**408.1753**	**422.1920**	**433.2030**	**436.1646**	**457.2172**	**482.7312**	**503.2386**
QGDA-28(-28)	QGDA-NH_3(202)		a_4(-31)		y_8^{+2}(-62)	b_4(-41)		y_9^{+2}(-68)	YGQGD-H_2O(100)
518.2461	**526.2417**	**557.5929**	**568.9174**	**580.5974**	**586.2871**	**586.5988**	**633.3012**	**661.8135**	**665.2752**
	GQGDAD-H_2O(100)				QGDADV(69) GDADVAG(69)		a_7-H_2O(61) y_{12}^{+2}(-13)	y_{13}^{+2}(-10)	
717.3259	**722.3483**	**725.8372**	**745.3416**	**754.3496**	**766.3118**	**781.3783**	**865.3773**	**964.4374**	**1051.4634**
y_{14}-NH_3^{+2}(-15)		y_{14}^{+2}(-17)	y_{15}-H_2O^{+2}(-18)	GQGDADVAG-NH_3(65) y_{15}^{+2}(-14)	a_8(15)		a_9(10) y_8(-87)	b_{10}(38) y_9(-87)	

[–] **Main Sequence Ions**

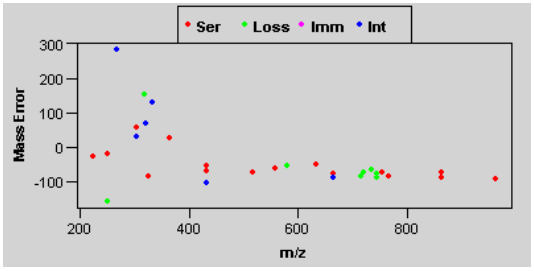
b			y	y^{+2}
---	1	S	17 ---	---
251.1026	2	Y	16 1670.7769	835.8921
308.1241	3	G	15 1507.7136	754.3604
436.1827	4	Q	14 1450.6921	725.8497
493.2041	5	G	13 1322.6335	661.8204
608.2311	6	D	12 1265.6121	633.3097
679.2682	7	A	11 1150.5851	575.7962
794.2951	8	D	10 1079.5480	540.2776
893.3636	9	V	9 964.5211	482.7642
964.4007	10	A	8 865.4526	433.2300
1021.4221	11	G	7 794.4155	397.7114
1184.4855	12	Y	6 737.3941	369.2007
1297.5695	13	L	5 574.3307	287.6690
1425.6281	14	Q	4 461.2467	231.1270
1512.6601	15	S	3 333.1881	167.0977
1583.6972	16	A	2 246.1561	123.5817
---	17	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLERLMVTM(Oxidation)LTER^{+3}



Max Intensity: **101**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **71.3%** Matched Series Intensity: **70.9%**



Sequence: SYLERLMVTM(Oxidation)LTER
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C75 H129 N20 O24 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1758.9478	1757.8925	879.9776	879.4499	586.9876	586.6357

[–] **Peak Matches**

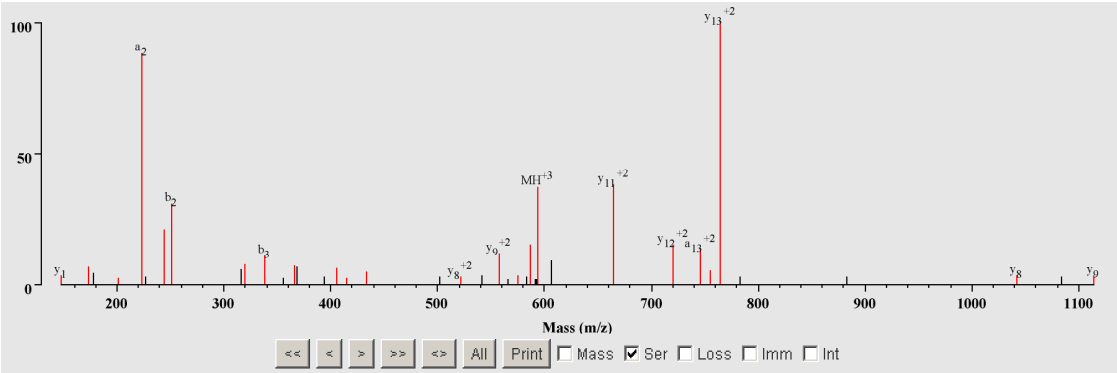
186.0866	218.1421	223.1014	251.0974	266.1989	268.2162	290.1959	304.1784	308.1476	318.2298
		a_2(-28)	b_2(-21) y_4-NH_3^{+2}(-158)		ER-H_2O(283)		y_2(55) MVT-28(31)		a_3-H_2O(153)
320.1861	**325.1415**	**332.2068**	**350.2164**	**355.1983**	**364.1959**	**370.2258**	**422.2075**	**433.2030**	**436.1706**
VTM(Oxidation)-28(69)	b_5^{+2}(-84)	MVT(129)			b_3(25)			y_7^{+2}(-53) a_7^{+2}(-71) VTM(Oxidation)L-28(-104)	
518.2548	**526.2374**	**550.3093**	**557.5907**	**568.3216**	**580.5997**	**586.3306**	**633.3059**	**661.8110**	**665.2776**
y_4(-74)			y_{13}^{+3}(-61)		MH-H_2O^{+3}(-56)		y_{10}^{+2}(-52)		y_5(-77) MVTM(Oxidation)LT-28(-88)
717.3310	**722.3509**	**725.8372**	**736.8294**	**745.3312**	**754.3470**	**766.3118**	**865.3829**	**964.4374**	**1051.4634**
a_6-NH_3(-86)	y_{12}-$SOCH_4^{+2}$(-72)		b_{12}+H_2O^{+2}(-66)	b_6-NH_3(-76) y_{12}-H_2O^{+2}(-88)	y_{12}^{+2}(-73)	y_6(-84)	y_7(-72) a_7(-89)	a_8(-94)	

[–] **Main Sequence Ions**

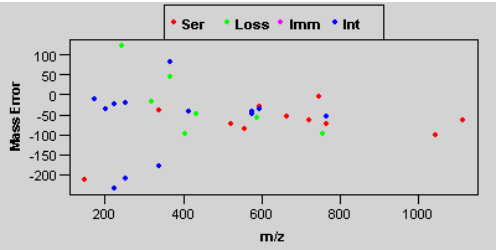
b	b^{+2}				y	y^{+2}
---	---	1	**S**	14	---	---
251.1026	---	2	**Y**	13	1670.8604	835.9339
364.1867	---	3	**L**	12	1507.7971	754.4022
493.2293	---	4	**E**	11	1394.7130	697.8602
649.3304	325.1688	5	**R**	10	1265.6704	633.3389
762.4145	381.7109	6	**L**	9	1109.5693	555.2883
893.4550	447.2311	7	**M**	8	996.4853	498.7463
992.5234	496.7653	8	**V**	7	865.4448	433.2260
1093.5710	547.2892	9	**T**	6	766.3764	383.6918
1240.6064	620.8069	10	**M(Oxidation)**	5	665.3287	333.1680
1353.6905	677.3489	11	**L**	4	518.2933	259.6503
1454.7382	727.8727	12	**T**	3	405.2092	203.1083
1583.7808	792.3940	13	**E**	2	304.1615	152.5844
---	---	14	**R**	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSLVDARM(Oxidation)LDHLNK^{+3}



Max Intensity: **39.4**
Num Matched: **24/40 (40.0% unmatched)** Matched Intensity: **87.9%** Matched Series Intensity: **86.4%**



Sequence SYSLVDARM(Oxidation)LDHLNK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C76 H125 N22 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1778.8754	1777.8901	889.9414	889.4487	593.6301	593.3016

[–] Peak Matches

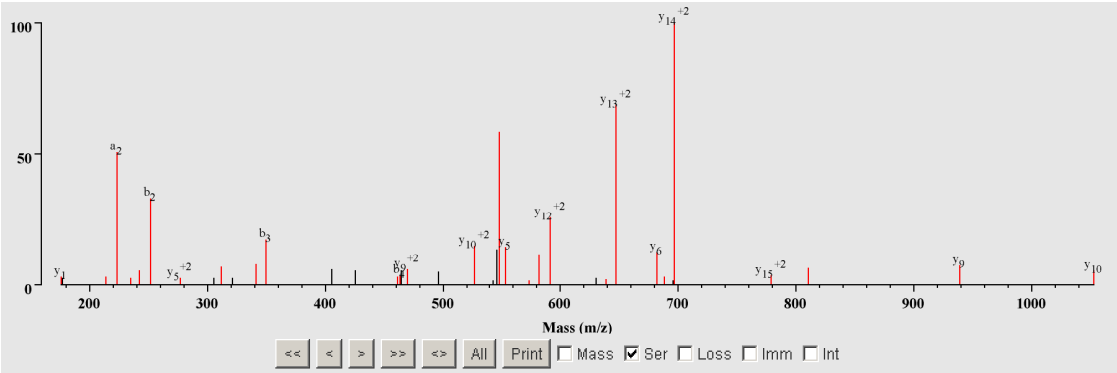
147.0814	173.1265	178.0826	201.1164	223.1028	226.1495	244.1592	251.0974	316.1381	320.1184
y_1(-213)	SL-28(-11)		LD-28(-35) SL(-35)	a_2(-22) YS-28(-22) HL-28(-235)		y_2-NH_3(123)	b_2(-21) YS(-21) HL(-210)		b_3-H_2O(-18)
338.1218	**355.0557**	**366.2070**	**368.2200**	**394.1790**	**405.1732**	**415.2013**	**433.1872**	**502.2519**	**521.7379**
b_3(-38) DHL-28(-179) LDH-28(-179)		LDH(81) DHL(81) y_9-NH_3^{+3}(45)			a_4-H_2O(-99)	SLVD(-42)	b_4-H_2O(-48)		y_8^{+2}(-74)
541.2754	**557.2466**	**566.2096**	**575.2691**	**583.1999**	**587.2637**	**591.3370**	**592.9605**	**593.2832**	**606.7913**
	y_9^{+2}(-87)		LDHLN-H_2O(-43) DARM(Oxidation)L-28(-48) ARM(Oxidation)LD-28(-48)		MH-H_2O^{+3}(-58)			MH^{+3}(-31) LDHLN(-35)	
664.3064	**720.8382**	**745.3726**	**755.3221**	**764.3456**	**783.2974**	**882.4262**	**1042.4423**	**1084.4683**	**1113.5134**
y_{11}^{+2}(-55)	y_{12}^{+2}(-65)	a_{13}^{+2}(-5.9)	y_{13}-H_2O^{+2}(-97)	RM(Oxidation)LDHL-H_2O(-54) y_{13}^{+2}(-73)			y_8(-100)		y_9(-63)

[–] Main Sequence Ions

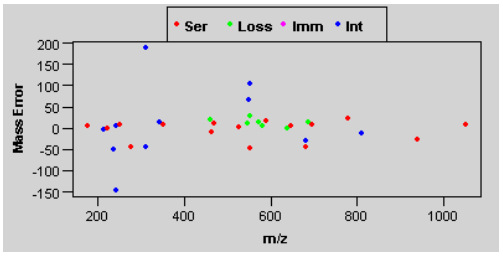
b	b^{+2}				y	y^{+2}
---	---	1	**S**	15	---	---
251.1026	---	2	**Y**	14	1690.8581	845.9327
338.1347	---	3	**S**	13	1527.7948	764.4010
451.2187	---	4	**L**	12	1440.7628	720.8850
550.2871	---	5	**V**	11	1327.6787	664.3430
665.3141	---	6	**D**	10	1228.6103	614.8088
736.3512	---	7	**A**	9	1113.5833	557.2953
892.4523	446.7298	8	**R**	8	1042.5462	521.7768
1039.4877	520.2475	9	**M(Oxidation)**	7	886.4451	443.7262
1152.5718	576.7895	10	**L**	6	739.4097	370.2085
1267.5987	634.3030	11	**D**	5	626.3257	313.6665
1404.6576	702.8325	12	**H**	4	511.2987	256.1530
1517.7417	759.3745	13	**L**	3	374.2398	187.6235
1631.7846	816.3959	14	**N**	2	261.1557	131.0815
---	---	15	**K**	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYVLGALGAEEPLPAR^{+3}



Max Intensity: **34.2**
Num Matched: **29/40 (27.5% unmatched)** Matched Intensity: **90.8%** Matched Series Intensity: **90.8%**



Sequence SYVLGALGAEEPLPAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C74 H120 N19 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1643.8918	1642.8799	822.4496	821.9436	548.6356	548.2982

[–] **Peak Matches**

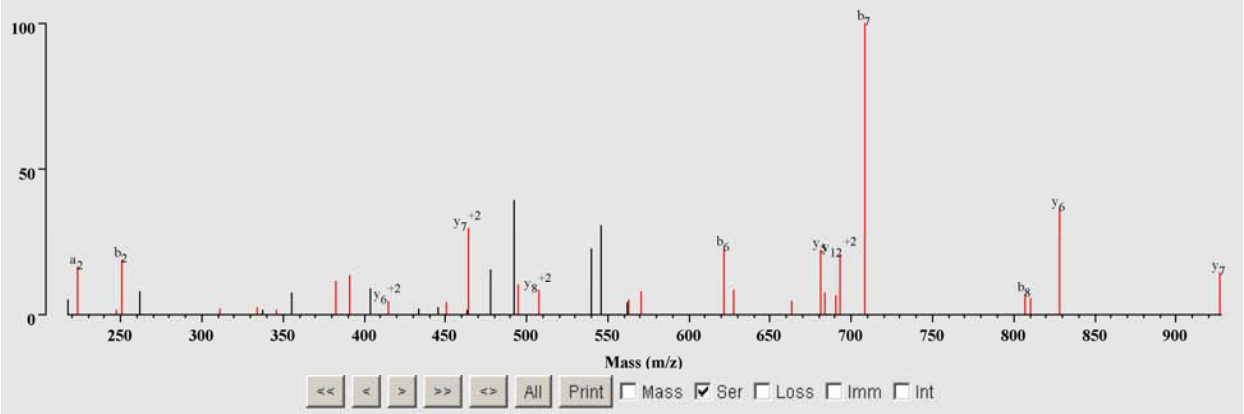
175.1196	177.1115	213.1591	223.1075	235.1321	242.1508	251.1048	277.1638	305.1468	312.1780
y_1(3.7)		VL(-3.1)	a_2(-0.98)	YV-28(-51)	LGA(3.6) GAL(3.6) ALG(3.6) VLG-28(-147)	b_2(8.6)	y_5^{+2}(-46)		AEE-H_2O(189) EPL-28(-44)
321.1369	**341.2227**	**350.1734**	**405.7375**	**425.2601**	**461.2522**	**463.2502**	**464.9403**	**470.2528**	**496.2913**
	VLGA(13)	b_3(6.7)			y_9-H_2O^{+2}(20)	b_4(-11)		y_9^{+2}(9.5)	
526.7910	**542.2927**	**545.3139**	**546.3243**	**548.3081**	**553.3188**	**573.3108**	**581.8168**	**590.8294**	**629.8479**
y_{10}^{+2}(1.2)		a_6-H_2O(10)		EEPLP-H_2O(67)	ALGAEE-H_2O(103) y_{11}-H_2O^{+2}(27) y_5(-49)	b_6-H_2O(13)	y_{12}-H_2O^{+2}(4.1)	y_{12}^{+2}(16)	
638.3555	**647.3655**	**682.3573**	**687.9010**	**695.3600**	**696.9006**	**778.4444**	**810.4248**	**939.4629**	**1052.5807**
y_{13}-H_2O^{+2}(-1.4)	y_{13}^{+2}(5.9)	LGAEEPL-28(-29) y_6(-45)	y_{14}-H_2O^{+2}(15)		y_{14}^{+2}(6.7)	y_{15}^{+2}(22)	GALGAEEPL-28(-13) LGALGAEEP-28(-13)	y_9(-28)	y_{10}(6.9)

[–] **Main Sequence Ions**

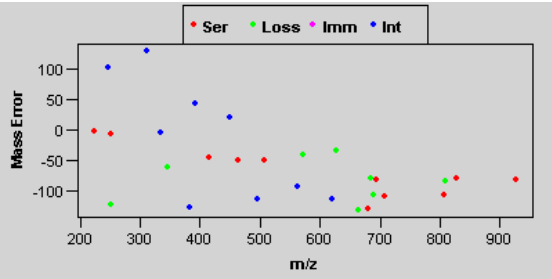
b			y	y^{+2}
---	1	S	---	---
251.1026	2	Y	1555.8479	778.4276
350.1710	3	V	1392.7845	696.8959
463.2551	4	L	1293.7161	647.3617
520.2766	5	G	1180.6321	590.8197
591.3137	6	A	1123.6106	562.3089
704.3978	7	L	1052.5735	526.7904
761.4192	8	G	939.4894	470.2483
832.4563	9	A	882.4680	441.7376
961.4989	10	E	811.4308	406.2191
1090.5415	11	E	682.3883	341.6978
1187.5943	12	P	553.3457	277.1765
1300.6783	13	L	456.2929	228.6501
1397.7311	14	P	343.2088	172.1081
1468.7682	15	A	246.1561	123.5817
---	16	R	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLISGSVM(Oxidation)YIEEK^{+3}



Max Intensity: **2972**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **72.7%** Matched Series Intensity: **72.7%**



Sequence: SYLISGSVM(Oxidation)YIEEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C73 H116 N15 O25 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1635.7233	1634.7982	818.3653	817.9027	545.9127	545.6043

[–] **Peak Matches**

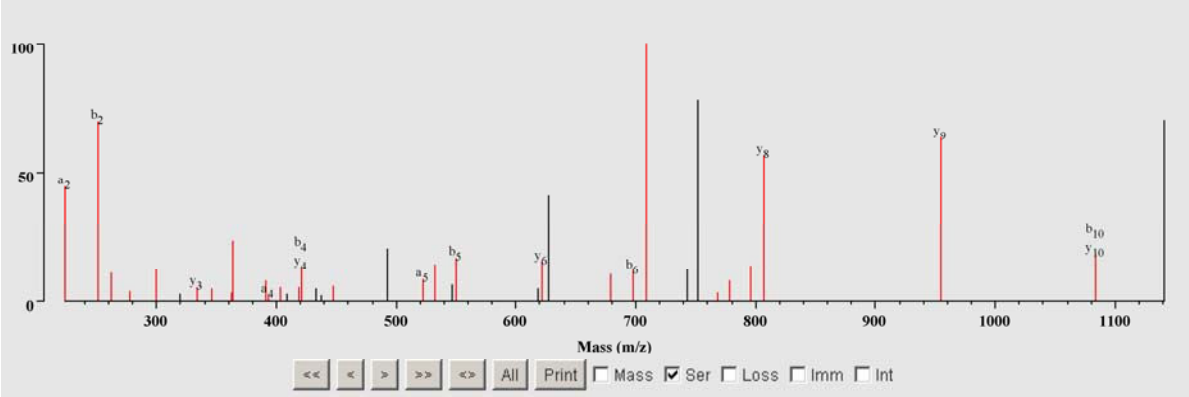
217.0883	223.1069	247.1364	251.1006	262.1485	311.1461	334.1414	337.1147	346.1542	355.1581
	a_2(-3.7)	VM(Oxidation)(102)	b_2(-8.1) y_4-NH_3^{+2}(-123)		M(Oxidation)Y(129)	SVM(Oxidation)(-5.1)		b_3-H_2O(-63)	
382.1304	**391.1814**	**404.1914**	**414.6751**	**433.1924**	**445.1888**	**450.2107**	**463.2002**	**464.2049**	**477.7160**
VM(Oxidation)Y-28(-128)	GSVM(Oxidation)(43)		y_6^{+2}(-46)			SGSVM(Oxidation)-28(20)		y_7^{+2}(-50)	
492.2205	**495.2064**	**507.7178**	**539.5692**	**545.5716**	**561.7417**	**563.2320**	**570.7425**	**621.2531**	**627.2849**
	VM(Oxidation)YI-28(-115)	y_8^{+2}(-52)				ISGSVM(Oxidation)-28(-95)	y_{10}-H_2O^{+2}(-41)	b_6(-115) YLISGS(-115)	y_{11}-H_2O^{+2}(-36)
663.2463	**681.2558**	**683.7949**	**690.2714**	**692.7974**	**708.2790**	**807.3380**	**810.3012**	**828.3143**	**927.3719**
y_5-H_2O(-133)	y_5(-131)	y_{12}-H_2O^{+2}(-80)	b_7-H_2O(-108)	y_{12}^{+2}(-83)	b_7(-109)	b_8(-107)	y_6-H_2O(-85)	y_6(-80)	y_7(-83)

[–] **Main Sequence Ions**

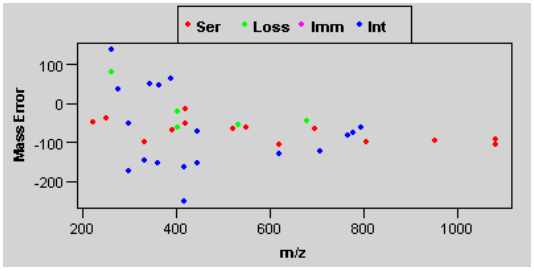
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1547.7662	774.3867
364.1867	3	L	12 1384.7028	692.8551
477.2708	4	I	11 1271.6188	636.3130
564.3028	5	S	10 1158.5347	579.7710
621.3243	6	G	9 1071.5027	536.2550
708.3563	7	S	8 1014.4812	507.7443
807.4247	8	V	7 927.4492	464.2282
954.4601	9	M(Oxidation)	6 828.3808	414.6940
1117.5234	10	Y	5 681.3454	341.1763
1230.6075	11	I	4 518.2821	259.6447
1359.6501	12	E	3 405.1980	203.1026
1488.6927	13	E	2 276.1554	138.5813
---	14	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGIEFSVISSSEV^{+2}



Max Intensity: **35.2**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **69.1%** Matched Series Intensity: **69.1%**



Sequence: SYGIEFSVISSSEV
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C67 H103 N14 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1504.6436	1503.7213	752.8255	752.3643

[–] Peak Matches

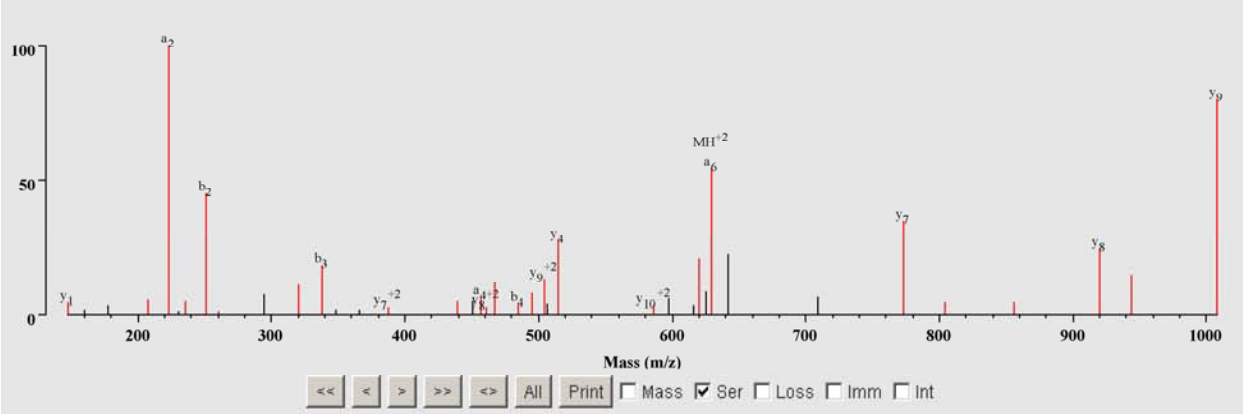
223.0971	251.0929	262.1396	277.1282	300.1397	319.1489	334.1277	346.1566	362.1525	364.1670
a_2(-48)	b_2(-39)	SSS(138) a_3-H_2O(80)	EF(36)	GIE(-52) SVI(-173) VIS(-173)		y_3(-99) FSV(-145) YGI(-145)	EFS-H_2O(49)	IEF-28(-152)	EFS(46)
391.1710	**393.1857**	**403.1735**	**409.1873**	**419.1600**	**421.1872**	**433.1793**	**437.1594**	**447.1911**	**492.2091**
SSSE(64)	a_4(-70)	y_4-H_2O(-22) b_4-H_2O(-60)		GIEF-28(-164) FSVI-28(-251)	y_4(-14) b_4(-50)			GIEF(-73) FSVI(-154)	
522.2222	**532.2114**	**546.2540**	**550.2161**	**618.2658**	**621.2438**	**627.2663**	**679.2789**	**697.2741**	**708.2703**
a_5(-64)	b_5-H_2O(-54)		b_5(-63)		y_6(-105) FSVISS(-129)		YGIEFS-H_2O(-44) b_6-H_2O(-44)	YGIEFS(-65) b_6(-65)	FSVISSS(-121)
743.2967	**751.8771**	**752.3054**	**768.3304**	**778.3179**	**796.3378**	**807.3304**	**954.3858**	**1083.4214**	**1140.4321**
			YGIEFSV-28(-81)	YGIEFSV-H_2O(-76)	YGIEFSV(-63)	y_8(-98)	y_9(-96)	y_{10}(-91) YGIEFSVISS(-105) b_{10}(-105)	

[–] Main Sequence Ions

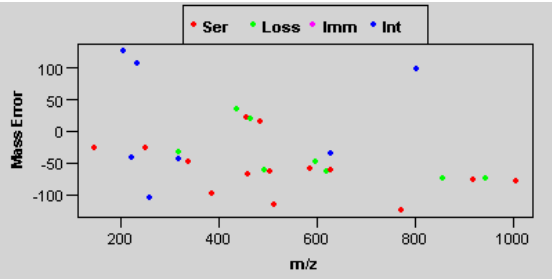
b				y
---	1	S	14	---
251.1026	2	Y	13	1416.6893
308.1241	3	G	12	1253.6260
421.2082	4	I	11	1196.6045
550.2508	5	E	10	1083.5204
697.3192	6	F	9	954.4779
784.3512	7	S	8	807.4094
883.4196	8	V	7	720.3774
996.5037	9	I	6	621.3090
1083.5357	10	S	5	508.2249
1170.5677	11	S	4	421.1929
1257.5998	12	S	3	334.1609
1386.6424	13	E	2	247.1288
---	14	V	1	118.0863

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSM(Oxidation)ATSYFGK^{+2}



Max Intensity: **323**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **87.7%** Matched Series Intensity: **86.0%**



Sequence: SYSM(Oxidation)ATSYFGK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C56 H81 N12 O19 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1258.2389	1257.5456	629.6232	629.2764

[–] Peak Matches

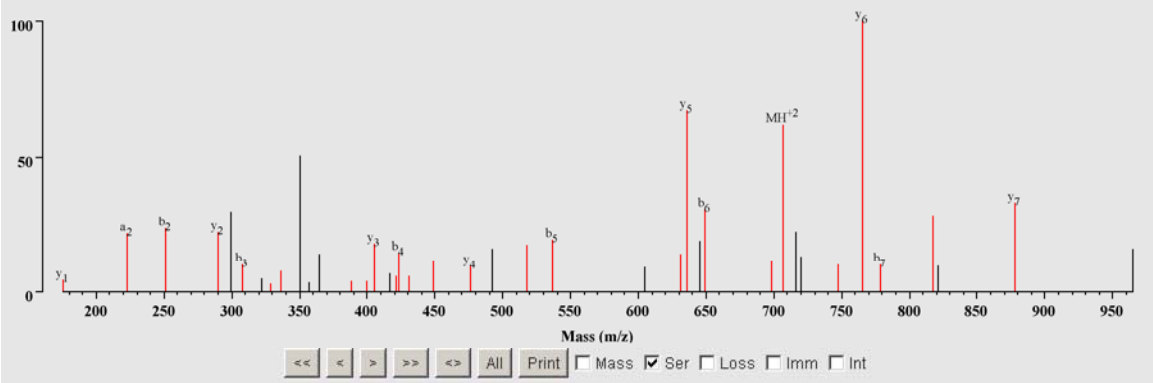
147.1089	160.0733	178.0814	207.1060	223.0985	230.1376	235.1000	251.0959	260.0965	294.1365
y_1(-27)			SM(Oxidation)-28(127)	SY-28(-41) a_2(-41) YS-28(-41)		SM(Oxidation)(108)	SY(-27) YS(-27) b_2(-27)	ATS(-106)	
320.1133	**338.1183**	**348.1244**	**366.1310**	**387.1570**	**439.1800**	**450.2101**	**457.1848**	**460.6821**	**467.1682**
b_3-H_2O(-34) M(Oxidation)AT(-44)	b_3(-48)			y_7^{+2}(-98)	a_4-H_2O(35)		a_4(21)	y_8^{+2}(-67)	b_4-H_2O(19)
485.1775	**495.1930**	**504.1966**	**506.7520**	**514.2058**	**585.7258**	**597.2478**	**597.7845**	**616.2085**	**620.2323**
b_4(15)	y_9-H_2O^{+2}(-62)	y_9^{+2}(-64)		y_4(-117)	y_{10}^{+2}(-59)	MH-$SOCH_4^{+2}$(-49)			MH-H_2O^{+2}(-63)
625.2319	**629.2375**	**642.2542**	**709.2908**	**773.2858**	**804.4021**	**856.3557**	**920.3474**	**943.3808**	**1007.3709**
	a_6(-36) SM(Oxidation)ATSY-28(-36) YSM(Oxidation)ATS-28(-36) MH^{+2}(-62)			y_7(-125)	SM(Oxidation)ATSYF(98)	y_8-$SOCH_4$(-75)	y_8(-77)	y_9-$SOCH_4$(-75)	y_9(-79)

[–] Main Sequence Ions

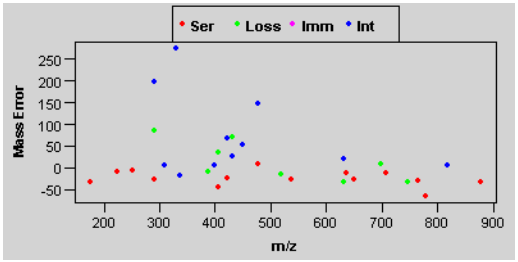
b			y	y^{+2}
---	1	S	11	---	---
251.1026	2	Y	10	1170.5136	585.7604
338.1347	3	S	9	1007.4503	504.2288
485.1701	4	M(Oxidation)	8	920.4182	460.7128
556.2072	5	A	7	773.3828	387.1951
657.2549	6	T	6	702.3457	351.6765
744.2869	7	S	5	601.2980	301.1527
907.3502	8	Y	4	514.2660	257.6366
1054.4186	9	F	3	351.2027	176.1050
1111.4401	10	G	2	204.1343	102.5708
---	11	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGDLLEC(Carbamidomethyl)ADDR^{+2}



Max Intensity: **8.01**
Num Matched: **27/40 (32.5% unmatched)** Matched Intensity: **72.7%** Matched Series Intensity: **69.8%**



Sequence SYGDLLEC(Carbamidomethyl)ADDR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H89 N16 O24 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1414.3340	1413.5951	707.6707	707.3012

[–] **Peak Matches**

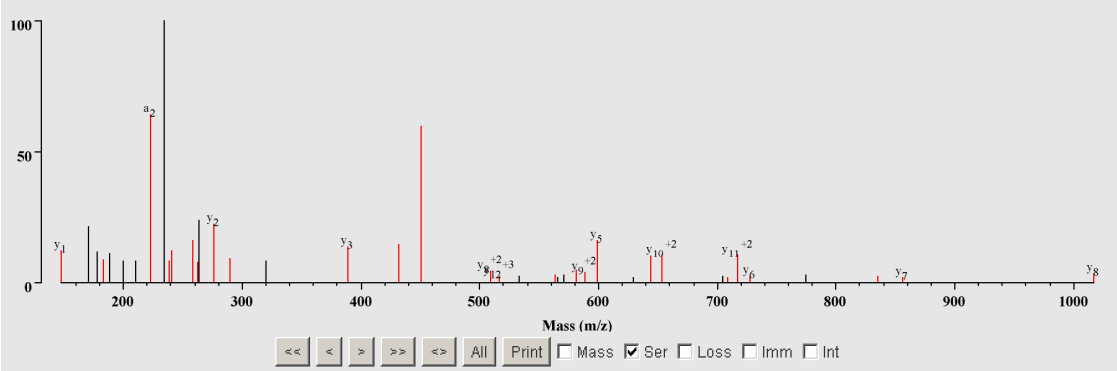
175.1131	223.1054	251.1012	290.1380	299.1025	308.1254	322.1344	329.1819	336.1129	350.1634
y_1(-33)	a_2(-10)	b_2(-5.7)	EC(Carbamidomethyl)(198) b_3-H_2O(84) y_2(-27)		b_3(4.2) YGD-28(4.2)		C(Carbamidomethyl)AD-H_2O(275)	YGD(-18)	
357.1981	**364.1709**	**388.1427**	**399.2265**	**405.1546**	**416.2105**	**421.2366**	**423.1406**	**431.2043**	**449.2275**
		y_3-NH_3(-9.2)	GDLL(6.7)	b_4-H_2O(35) y_3(-45)		YGDL-28(68)	b_4(-25)	y_7-NH_3^{+2}(70) YGDL-H_2O(27)	YGDL(54)
476.2145	**492.1909**	**518.2161**	**536.2214**	**604.2772**	**631.2881**	**636.2324**	**645.2866**	**649.3009**	**698.3014**
EC(Carbamidomethyl)AD(147) y_4(9.6)		b_5-H_2O(-16)	b_5(-26)		DLLEC(Carbamidomethyl)(20) b_6-H_2O(-32)	y_5(-13)		b_6(-28)	MH-H_2O^{+2}(7.9)
707.2920	**716.3097**	**720.2924**	**747.2486**	**765.2605**	**778.3107**	**817.3438**	**821.3346**	**878.3389**	**964.4157**
MH^{+2}(-13)			y_6-H_2O(-32)	y_6(-30)	b_7(-66)	LLEC(Carbamidomethyl)ADD(5.1) DLLEC(Carbamidomethyl)AD(5.1)		y_7(-32)	

[–] **Main Sequence Ions**

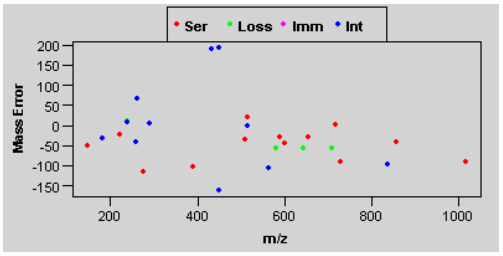
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1326.5631	663.7852
308.1241	3	G	10	1163.4997	582.2535
423.1510	4	D	9	1106.4783	553.7428
536.2351	5	L	8	991.4513	496.2293
649.3192	6	L	7	878.3673	439.6873
778.3618	7	E	6	765.2832	383.1452
938.3924	8	C(Carbamidomethyl)	5	636.2406	318.6239
1009.4295	9	A	4	476.2100	238.6086
1124.4565	10	D	3	405.1728	203.0901
1239.4834	11	D	2	290.1459	145.5766
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYLKEC(Carbamidomethyl)C(Carbamidomethyl)EKPLLLEK^{+4}



Max Intensity: **8.67**
Num Matched: **26/40 (35.0% unmatched)** Matched Intensity: **61.3%** Matched Series Intensity: **60.4%**



Sequence: SYLKEC(Carbamidomethyl)C(Carbamidomethyl)EKPLLLEK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 4 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C78 H130 N19 O25 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)	MH^{+4}(av)	MH^{+4}(mono)
1797.8130	1796.8921	899.4102	898.9497	599.9426	599.6356	450.2088	449.9785

[–] Peak Matches

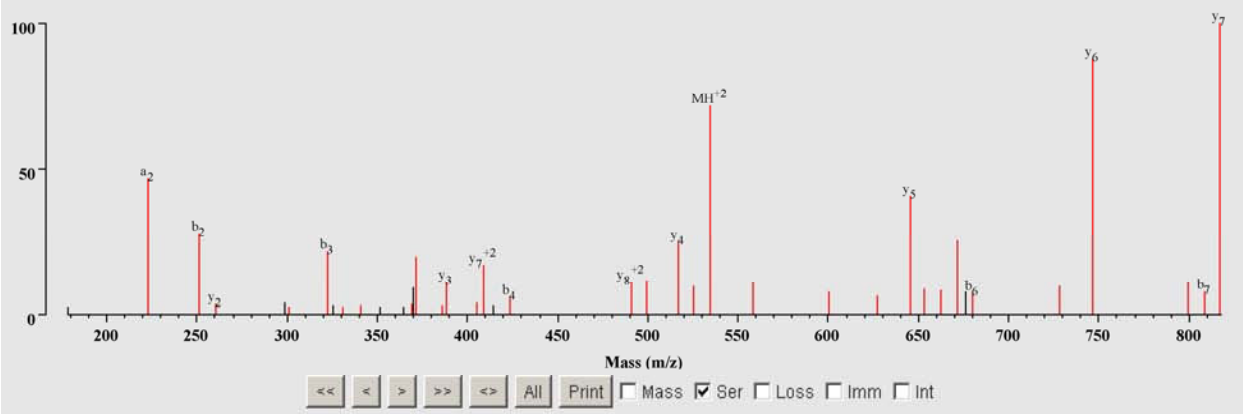
147.1055	170.1138	178.0826	183.1433	188.1242	200.1245	210.1090	223.1028	234.1033	238.1338
y_1(-50)			PL-28(-32)				a_2(-22)		b_4-NH_3^{+2}(11)
240.1358	**258.1344**	**262.1028**	**263.1133**	**276.1239**	**290.0815**	**320.1573**	**389.1988**	**432.1832**	**450.1981**
EK-H_2O(6.4) KE-H_2O(6.4)	KE(-40) y_2-H_2O(-40) EK(-40)	C(Carbamidomethyl)E-28 (66) EC(Carbamidomethyl)-28 (66)		y_2(-114)	C(Carbamidomethyl)E (3.4) EC(Carbamidomethyl) (3.4)		y_3(-104)	C(Carbamidomethyl)C(Carbamidomethyl) E-H_2O(191) EC(Carbamidomethyl)C (Carbamidomethyl)-H_2O(191)	C(Carbamidomethyl)C (Carbamidomethyl)E(193) EC(Carbamidomethyl)C (Carbamidomethyl)(193) EKPL-H_2O(-162)
508.7587	**516.2810**	**533.2446**	**563.2948**	**565.2372**	**570.9395**	**581.3319**	**588.7737**	**599.3497**	**629.2708**
y_8^{+2}(-34)	y_{12}^{+3}(20) YLKE-H_2O(-1.3)		EKPLL-H_2O(-107) KPLLE-H_2O(-107)			EKPLL(-58) KPLLE(-58) y_5-H_2O(-58)	y_9^{+2}(-30)	y_5(-44)	
644.2704	**653.2930**	**704.3216**	**708.8069**	**717.3607**	**727.4061**	**774.3546**	**835.2621**	**856.4776**	**1016.4506**
y_{10}-H_2O^{+2}(-57)	y_{10}^{+2}(-30)		y_{11}-NH_3^{+2}(-56)	y_{11}^{+2} (1.0)	y_6(-90)		KEC(Carbamidomethyl)C (Carbamidomethyl)EK(-98)	y_7(-42)	y_8(-92)

[–] Main Sequence Ions

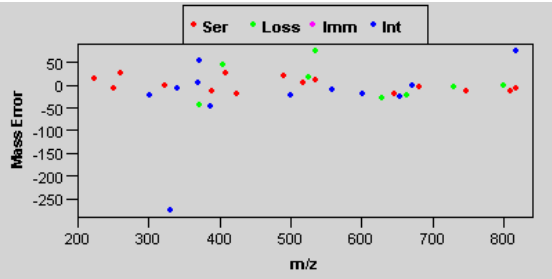
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1709.8601	855.4337
364.1867	---	3	L	12	1546.7968	773.9020
492.2817	246.6445	4	K	11	1433.7127	717.3600
621.3243	311.1658	5	E	10	1305.6177	653.3125
781.3549	391.1811	6	C(Carbamidomethyl)	9	1176.5751	588.7912
941.3855	471.1964	7	C(Carbamidomethyl)	8	1016.5445	508.7759
1070.4281	535.7177	8	E	7	856.5138	428.7606
1198.5231	599.7652	9	K	6	727.4713	364.2393
1295.5759	648.2916	10	P	5	599.3763	300.1918
1408.6599	704.8336	11	L	4	502.3235	251.6654
1521.7440	761.3756	12	L	3	389.2395	195.1234
1650.7866	825.8969	13	E	2	276.1554	138.5813
---	---	14	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYATKEQLK^{+2}



Max Intensity: **14.2**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **94.8%** Matched Series Intensity: **94.0%**



Sequence: SYATKEQLK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C47 H79 N12 O16

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1068.2222	1067.5732	534.6148	534.2902

[–] **Peak Matches**

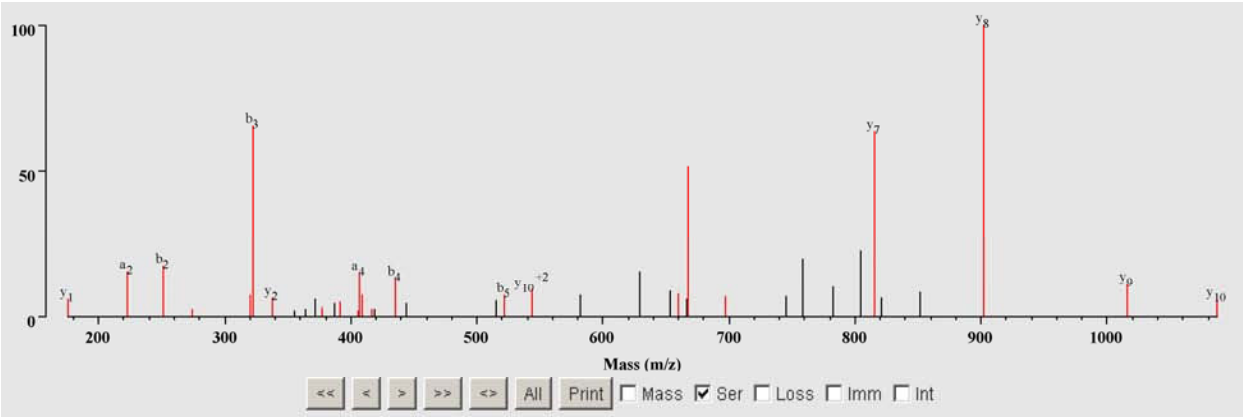
178.0828	223.1110	251.1012	260.2039	299.0632	301.1802	322.1395	325.1944	331.1063	341.1798
	a_2(15)	b_2(-5.7)	y_2(27)		ATK(-23)	b_3(-0.77)		TKE-28(-276)	TKE-H_2O(-6.3)
351.1577	**364.1654**	**369.1787**	**370.2360**	**371.2129**	**386.1853**	**388.2508**	**405.1946**	**409.2535**	**414.2182**
		KEQ-NH_3(5.0)		EQL(55) y_3-NH_3(-43)	KEQ(-47)	y_3(-12)	b_4-H_2O(44)	y_7^{+2}(27)	
423.1795	**490.7850**	**499.2760**	**517.3008**	**525.2945**	**534.2965**	**558.2828**	**600.3236**	**627.3654**	**645.3804**
b_4(-19)	y_8^{+2}(22)	y_4-H_2O(-23) KEQL(-23)	y_4(5.3)	MH-H_2O^{+2}(18)	b_5-NH_3(76) MH^{+2}(12)	ATKEQ(-9.7)	TKEQL(-19)	y_5-H_2O(-27)	y_5(-20)
653.3447	**662.3001**	**671.3709**	**676.3214**	**680.3224**	**728.4264**	**746.4312**	**799.4665**	**808.3727**	**817.4710**
ATKEQL-H_2O(-26)	b_6-H_2O(-22)	ATKEQL(-2.1)		b_6(-3.8)	y_6-H_2O(-5.1)	y_6(-13)	y_7-H_2O(-0.91)	b_7(-13)	YATKEQL-NH_3(76) y_7(-8.3)

[–] **Main Sequence Ions**

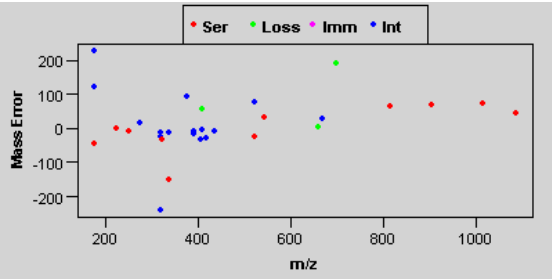
b	b^{+2}				y	y^{+2}
---	---	1	S	9	---	---
251.1026	---	2	Y	8	980.5411	490.7742
322.1397	---	3	A	7	817.4778	409.2425
423.1874	---	4	T	6	746.4407	373.7240
551.2824	276.1448	5	K	5	645.3930	323.2001
680.3250	340.6661	6	E	4	517.2980	259.1527
808.3836	404.6954	7	Q	3	388.2554	194.6314
921.4676	461.2374	8	L	2	260.1969	130.6021
---	---	9	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYAISTMASSYR^{+2}



Max Intensity: **12.3**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **75.5%** Matched Series Intensity: **75.2%**



Sequence SYAISTMASSYR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C57 H90 N15 O20 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1337.5031	1336.6202	669.2553	668.8137

[–] **Peak Matches**

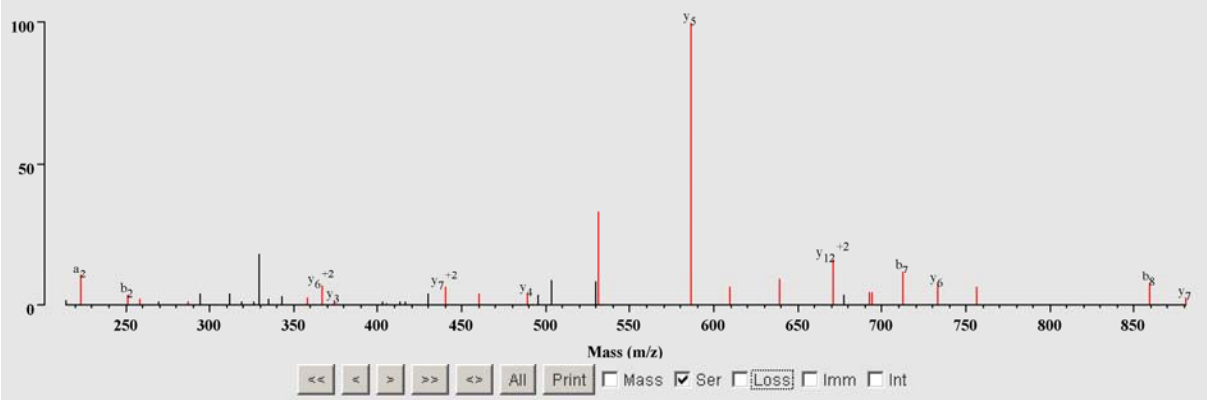
175.1112	223.1074	251.1003	274.1805	320.1198	322.1298	338.1311	355.0568	364.1550	372.2078
SS(228) MA-28(121) y_1(-44)	SY-28(-1.4) a_2(-1.4)	SY(-9.3) b_2(-9.3)	IST-28(16)	SSY-H_2O(-13) STM(-24) YAI-28(-241)	b_3(-31)	SSY(-11) y_2(-151)			
377.1840	**387.2689**	**391.1586**	**405.2025**	**407.2266**	**409.1695**	**417.2020**	**419.1957**	**435.2195**	**444.2882**
MASS(93)		ASSY-H_2O(-6.7) TMAS(-15) STMA(-15)	ISTM-28(-35)	y_3-H_2O(56) a_4(-5.6) YAIS-28(-5.6)	ASSY(-5.6)	b_4-H_2O(-27) YAIS-H_2O(-27)		b_4(-9.9) YAIS(-9.9)	
515.3200	**522.2424**	**543.7833**	**582.3548**	**629.3607**	**652.7881**	**659.8103**	**666.3179**	**667.3322**	**697.4309**
	MASSY-H_2O(78) b_5(-26)	y_{10}^{+2}(32)				MH-H_2O^{+2}(2.8)		YAISTM(30)	y_6-NH_3(191)
745.3915	**758.3964**	**782.4429**	**804.4274**	**815.4230**	**820.4363**	**851.4299**	**902.4661**	**1015.5596**	**1086.5726**
				y_7(63)			y_8(69)	y_9(71)	y_{10}(44)

[–] **Main Sequence Ions**

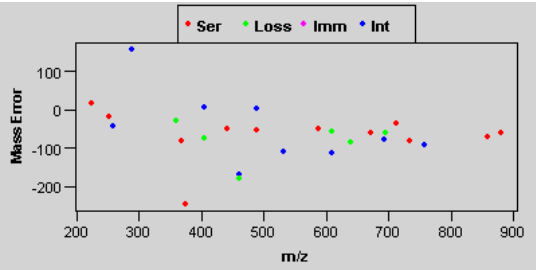
b				y	y^{+2}
---	1	S	12	---	---
251.1026	2	Y	11	1249.5881	625.2977
322.1397	3	A	10	1086.5248	543.7660
435.2238	4	I	9	1015.4877	508.2475
522.2558	5	S	8	902.4036	451.7055
623.3035	6	T	7	815.3716	408.1894
754.3440	7	M	6	714.3239	357.6656
825.3811	8	A	5	583.2835	292.1454
912.4131	9	S	4	512.2463	256.6268
999.4452	10	S	3	425.2143	213.1108
1162.5085	11	Y	2	338.1823	169.5948
---	12	R	1	175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYM(Oxidation)AGEGFFPDQAR^{+3}



Max Intensity: **17.7**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **78.9%** Matched Series Intensity: **78.9%**



Sequence SYM(Oxidation)AGEGFFPDQAR
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 3 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C70 H99 N18 O23 S1

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1592.5758	1591.6846	796.7916	796.3459	531.5302	531.2330

[–] **Peak Matches**

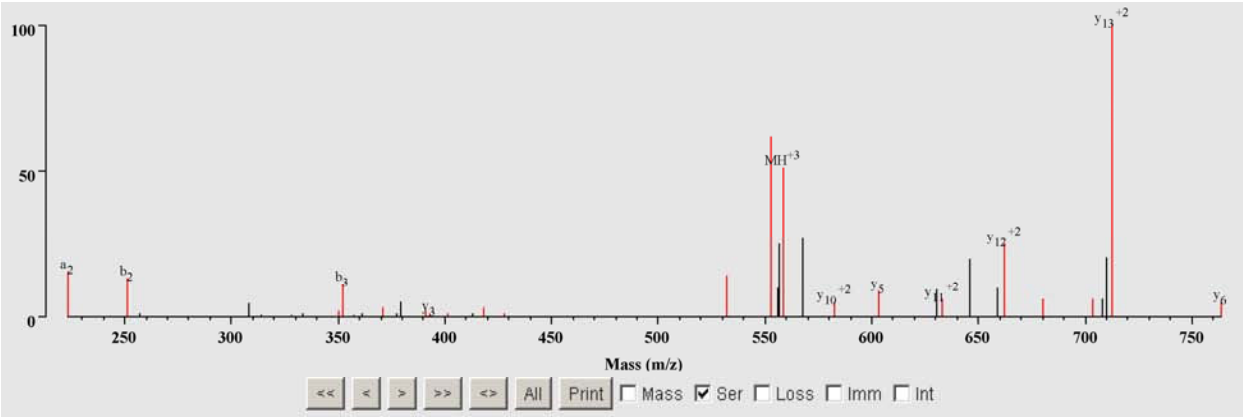
214.0868	**223.1113**	**251.0987**	**258.0976**	**269.1590**	**287.1805**	**294.1473**	**312.1670**	**319.1126**	**326.1585**
	a_2(16)	b_2(-16)	AGE(-42)		DQA-28(158) AGEG-28(158)				
329.1976	**335.1620**	**343.1512**	**358.1695**	**367.1554**	**374.1225**	**403.1434**	**405.1468**	**413.1618**	**416.1469**
			y_6-H_2O^{+2}(-29)	y_6^{+2}(-81)	y_3(-246)		M(Oxidation)AGE(7.3) b_4-$SOCH_4$(-74)		
430.1553	**440.6966**	**460.1417**	**489.2150**	**495.2115**	**503.6901**	**529.3588**	**531.1981**	**586.2652**	**609.1981**
	y_7^{+2}(-51)	FPDQ-28(-168) y_8-H_2O^{+2}(-180)	FFPD-H_2O(3.6) y_4(-54)				FPDQA-28(-109)	y_5(-50)	M(Oxidation)AGEGF(-58) a_6-H_2O(-58) AGEGFF(-113)
639.2460	**671.2572**	**677.1695**	**692.2504**	**694.2090**	**712.2353**	**733.3039**	**756.2324**	**859.2677**	**880.3794**
y_{12}-$SOCH_4^{+2}$(-83)	y_{12}^{+2}(-61)		GFFPDQ(-77)	b_7-H_2O(-59)	b_7(-36)	y_6(-80)	M(Oxidation)AGEGFF(-92)	b_8(-71)	y_7(-59)

[–] **Main Sequence Ions**

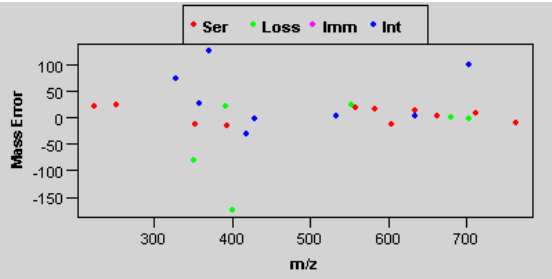
b			y	y^{+2}
---	1	S	14 ---	---
251.1026	2	Y	13 1504.6525	752.8299
398.1380	3	M(Oxidation)	12 1341.5892	671.2982
469.1751	4	A	11 1194.5538	597.7805
526.1966	5	G	10 1123.5167	562.2620
655.2392	6	E	9 1066.4952	533.7513
712.2607	7	G	8 937.4526	469.2300
859.3291	8	F	7 880.4312	440.7192
1006.3975	9	F	6 733.3628	367.1850
1103.4503	10	P	5 586.2944	293.6508
1218.4772	11	D	4 489.2416	245.1244
1346.5358	12	Q	3 374.2146	187.6110
1417.5729	13	A	2 246.1561	123.5817
---	14	R	1 175.1190	88.0631

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYTGTGESKC(Carbamidomethyl)PLM(Oxidation)VK^{+3}



Max Intensity: **31.1**
Num Matched: **23/40 (42.5% unmatched)** Matched Intensity: **70.0%** Matched Series Intensity: **61.1%**



Sequence: SYTGTGESKC(Carbamidomethyl)PLM(Oxidation)VK
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 3 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C70 H117 N18 O25 S2

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)	MH^{+3}(av)	MH^{+3}(mono)
1674.6172	1673.7873	837.8123	837.3973	558.8774	558.6006

[–] Peak Matches

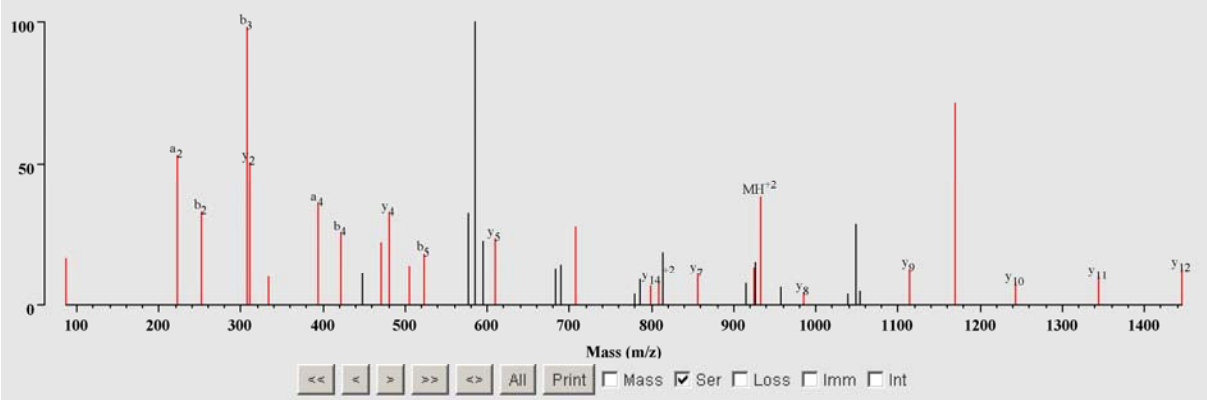
223.1125	251.1087	257.1562	308.1237	314.1827	328.1746	333.1781	350.1687	352.1463	357.1498
a_2(21)	b_2(24)				ESK-NH_3(74)		y_6-$SOCH_4^{+2}$(-80)	b_3(-11)	TGES-H_2O(26)
361.1211	**371.2220**	**377.1854**	**379.1678**	**391.1695**	**393.2108**	**401.1427**	**413.2094**	**418.1806**	**428.1769**
	C(Carbamidomethyl)PL(127)			b_4-H_2O(21)	y_3(-15)	y_{11}-$SOCH_4^{+3}$(-175)		TGTGE-28(-30)	TGTGE-H_2O(-1.6)
532.2747	**552.6101**	**555.9502**	**556.2674**	**556.9574**	**558.6116**	**567.7920**	**582.8003**	**603.3469**	**630.3110**
GTGESK-28(4.0)	MH-H_2O^{+3}(24)				MH^{+3}(20)		y_{10}^{+2}(16)	y_5(-11)	
633.3230	**645.8301**	**658.8190**	**661.8277**	**680.3512**	**703.3429**	**708.3538**	**709.8594**	**712.3556**	**763.3764**
y_{11}^{+2}(13) TGTGESK-28(4.4)			y_{12}^{+2}(2.9)	y_{13}-$SOCH_4^{+2}$(1.0)	GTGESKC(Carbamidomethyl)-NH_3(101) y_{13}-H_2O^{+2}(-2.0)			y_{13}^{+2}(8.4)	y_6(-10)

[–] Main Sequence Ions

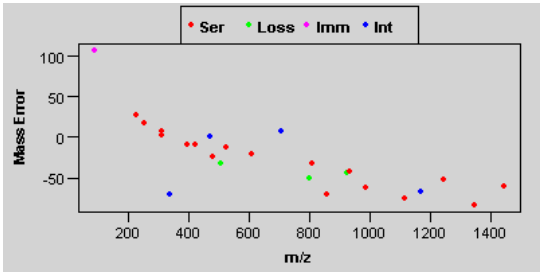
b	b^{+2}				y	y^{+2}
---	---	1	S	15	---	---
251.1026	---	2	Y	14	1586.7553	793.8813
352.1503	---	3	T	13	1423.6920	712.3496
409.1718	---	4	G	12	1322.6443	661.8258
510.2195	---	5	T	11	1265.6228	633.3150
567.2409	---	6	G	10	1164.5751	582.7912
696.2835	---	7	E	9	1107.5537	554.2805
783.3155	---	8	S	8	978.5111	489.7592
911.4105	456.2089	9	K	7	891.4791	446.2432
1071.4412	536.2242	10	C(Carbamidomethyl)	6	763.3841	382.1957
1168.4939	584.7506	11	P	5	603.3534	302.1804
1281.5780	641.2926	12	L	4	506.3007	253.6540
1428.6134	714.8103	13	M(Oxidation)	3	393.2166	197.1119
1527.6818	764.3445	14	V	2	246.1812	123.5942
---	---	15	K	1	147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYGLTTEEEFVEGIYK^{+2}



Max Intensity: **10.0**
Num Matched: **25/40 (37.5% unmatched)** Matched Intensity: **69.2%** Matched Series Intensity: **66.8%**



Sequence SYGLTTEEEFVEGIYK
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C85 H126 N17 O30

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1866.0440	1864.8851	933.5257	932.9462

[–] **Peak Matches**

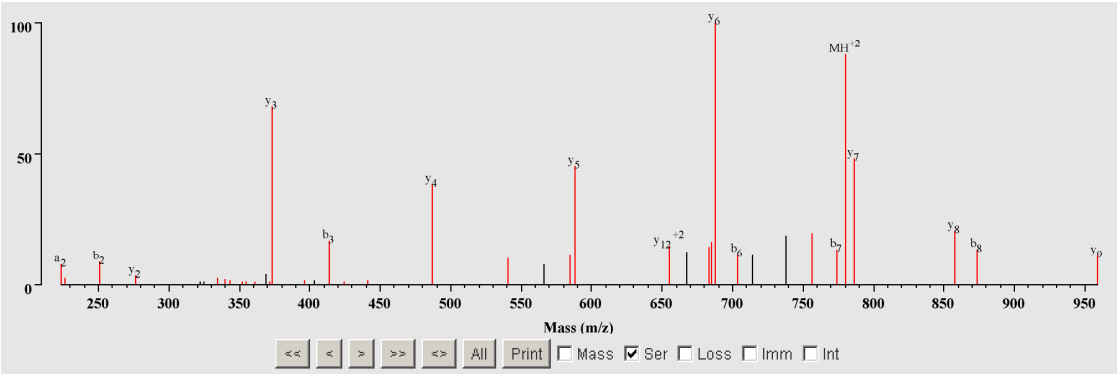
86.1056	223.1138	251.1070	308.1266	310.1769	334.1526	393.2098	421.2044	447.2103	471.1722
L(107) I(107)	a_2(27)	b_2(17)	b_3(8.1)	y_2(2.5)	GIY(-70) YGL(-70)	a_4(-8.8)	b_4(-8.9)		TEEE-H_2O(0.065)
480.2701	**504.2293**	**522.2493**	**576.2497**	**585.2618**	**594.2492**	**609.3112**	**682.2492**	**689.3258**	**707.3294**
y_4(-24)	b_5-H_2O(-32)	b_5(-13)				y_5(-21)			TEEEFV-28(6.7)
779.8608	**785.3339**	**799.3453**	**807.8724**	**813.2970**	**855.4002**	**914.9026**	**923.9000**	**926.3586**	**932.9072**
		y_{14}-NH_3^{+2}(-50)	y_{14}^{+2}(-32)		y_7(-71)		MH-H_2O^{+2}(-44)		MH^{+2}(-42)
957.3607	**984.4431**	**1039.4117**	**1047.9245**	**1053.1914**	**1113.4619**	**1169.4583**	**1242.5230**	**1343.5239**	**1444.5975**
	y_8(-62)				y_9(-76)	YGLTTEEEFV(-67) TEEEFVEGIY-28(-67)	y_{10}(-53)	y_{11}(-84)	y_{12}(-60)

[–] **Main Sequence Ions**

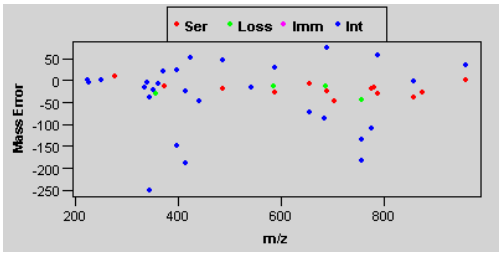
b			y	y^{+2}
---	1	S	16 ---	---
251.1026	2	Y	15 1777.8531	889.4302
308.1241	3	G	14 1614.7897	807.8985
421.2082	4	L	13 1557.7683	779.3878
522.2558	5	T	12 1444.6842	722.8457
623.3035	6	T	11 1343.6365	672.3219
752.3461	7	E	10 1242.5889	621.7981
881.3887	8	E	9 1113.5463	557.2768
1010.4313	9	E	8 984.5037	492.7555
1157.4997	10	F	7 855.4611	428.2342
1256.5681	11	V	6 708.3927	354.7000
1385.6107	12	E	5 609.3243	305.1658
1442.6322	13	G	4 480.2817	240.6445
1555.7162	14	I	3 423.2602	212.1337
1718.7796	15	Y	2 310.1761	155.5917
---	16	K	1 147.1128	74.0600

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYYSTTAVVTNPKE^{+2}



Max Intensity: **17.6**
Num Matched: **32/40 (20.0% unmatched)** Matched Intensity: **91.1%** Matched Series Intensity: **89.7%**



Sequence SYYSTTAVVTNPKE
N Term C Term Neutral Loss
[+] Additional Sequences
Max Charge 2 Count Basic AA Multiple Losses Multi Z Internal
Max MSMS Pks Frag Tol 300 ppm Cal Cal Tol (ppm) 300
Raw Data Unprocessed MSMS MS-Product Output HTML

Elemental Compositon: C69 H107 N16 O25

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1560.7112	1559.7588	780.8593	780.3830

[–] **Peak Matches**

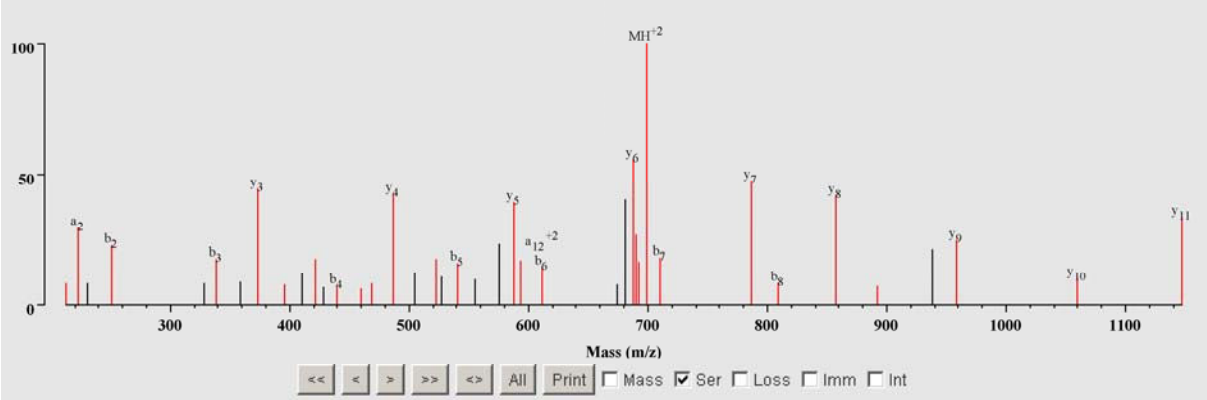
223.1082	226.1539	251.1027	276.1583	322.1310	325.1449	334.1342	340.1962	343.1478	352.1428
a_2(2.2) YS-28(2.2)	PK(-4.9)	b_2(0.27) YS(0.27)	y_2(11)			YST-H_2O(-17)	NPK(-5.1)	STTA-H_2O(-39) TAVV-28(-251) AVVT-28(-251)	YST(-21)
355.1866	**361.1696**	**369.1423**	**371.2366**	**373.2033**	**396.1649**	**403.1528**	**414.1565**	**424.2414**	**441.2249**
TTAV-H_2O(-31) y_3-H_2O(-31)	STTA(-6.0)		TAVV(21) AVVT(21)	TTAV(-13) y_3(-13)	b_3-H_2O(24) YYS-H_2O(24) VVTN-H_2O(-150)		b_3(-23) YYS(-23) VVTN(-189)	TNPK-NH_3(53)	TNPK(-47)
487.2414	**540.3059**	**566.2189**	**584.2271**	**588.2835**	**655.3300**	**667.2591**	**683.3129**	**685.2739**	**687.3501**
YYST-28(47) y_4(-20)	VTNPK(-15)		b_5-H_2O(-14)	YYSTT-28(29) y_5(-26)	y_{12}^{+2}(-8.2) TAVVTNP-28(-72)		TAVVTNP(-87)	b_6-H_2O(-13)	YYSTTA(75) TTAVVTN(-25) y_6(-25)
703.2600	**714.3477**	**738.2973**	**756.2876**	**774.3153**	**780.3695**	**786.4129**	**857.4399**	**873.3752**	**958.5224**
b_6(-47)			b_7-H_2O(-43) STTAVVTN-H_2O(-134) TTAVVTNP-28(-182)	b_7(-20) STTAVVTN(-108)	MH^{+2}(-17)	YYSTTAV(59) y_7(-29)	YYSTTAVV-28(-0.52) y_8(-38)	b_8(-27)	YYSTTAVVT-28(36) y_9(2.1)

[–] **Main Sequence Ions**

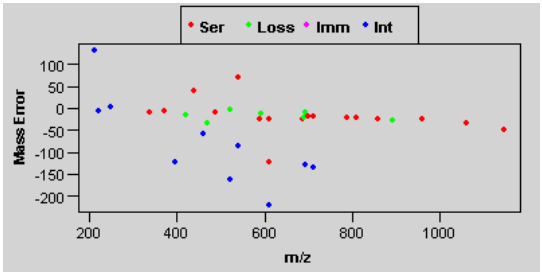
b	b^{+2}				y	y^{+2}
---	---	1	S	14	---	---
251.1026	---	2	Y	13	1472.7268	736.8670
414.1660	---	3	Y	12	1309.6634	655.3353
501.1980	---	4	S	11	1146.6001	573.8037
602.2457	---	5	T	10	1059.5681	530.2877
703.2933	---	6	T	9	958.5204	479.7638
774.3305	---	7	A	8	857.4727	429.2400
873.3989	---	8	V	7	786.4356	393.7214
972.4673	---	9	V	6	687.3672	344.1872
1073.5150	---	10	T	5	588.2988	294.6530
1187.5579	---	11	N	4	487.2511	244.1292
1284.6107	---	12	P	3	373.2082	187.1077
1412.7056	706.8564	13	K	2	276.1554	138.5813
---	---	14	E	1	148.0604	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**

SYSTTAVVTNPKE^{+2}



Max Intensity: **20.7**
Num Matched: **28/40 (30.0% unmatched)** Matched Intensity: **80.6%** Matched Series Intensity: **77.3%**



Sequence: SYSTTAVVTNPKE
N Term | C Term | Neutral Loss
[+] Additional Sequences
Max Charge: 2 | Count Basic AA | Multiple Losses | Multi Z Internal
Max MSMS Pks | Frag Tol: 300 ppm | Cal | Cal Tol (ppm): 300
Raw Data | Unprocessed MSMS | MS-Product | Output: HTML

Elemental Compositon: C60 H98 N15 O23

MH^{+1}(av)	MH^{+1}(mono)	MH^{+2}(av)	MH^{+2}(mono)
1397.5339	1396.6955	699.2707	698.8514

[–] **Peak Matches**

212.1310	223.1060	230.1422	251.1033	328.2530	338.1320	358.2381	373.2063	396.1756	410.2258
NP(132)	a_2(-7.7) YS-28(-7.7)		b_2(2.7) YS(2.7)		b_3(-7.9)		TTAV(-5.0) y_3(-5.0)	VVTN-H_2O(-123)	
421.1658	**428.2356**	**439.1994**	**460.2141**	**469.2252**	**487.2462**	**504.2054**	**522.2179**	**527.2190**	**540.2671**
b_4-H_2O(-14)		b_4(39)	STTAV(-57)	y_4-H_2O(-33)	y_4(-10)		b_5-H_2O(-3.0) VTNPK-H_2O(-164)		b_5(69) VTNPK(-87)
555.7858	**575.2339**	**588.2834**	**593.2495**	**611.2527**	**674.3122**	**680.8304**	**687.3501**	**689.8310**	**692.3188**
		y_5(-26)	b_6-H_2O(-12)	b_6(-24) a_{12}^{+2}(-122) VVTNPK-28(-221)			TTAVVTN(-25) y_6(-25)	MH-H_2O^{+2}(-22)	b_7-H_2O(-8.9) AVVTNPK-H_2O(-130)
698.8382	**710.3231**	**786.4176**	**809.3879**	**857.4501**	**892.4149**	**938.4827**	**958.4968**	**1059.5311**	**1146.5426**
MH^{+2}(-19)	b_7(-18) AVVTNPK(-136)	y_7(-23)	b_8(-20)	y_8(-26)	b_9-H_2O(-29)		y_9(-25)	y_{10}(-35)	y_{11}(-50)

[–] **Main Sequence Ions**

b	b^{+2}				y	y^{+2}
---	---	1	**S**	13	---	---
251.1026	---	2	**Y**	12	1309.6634	655.3353
338.1347	---	3	**S**	11	1146.6001	573.8037
439.1823	---	4	**T**	10	1059.5681	530.2877
540.2300	---	5	**T**	9	958.5204	479.7638
611.2671	---	6	**A**	8	857.4727	429.2400
710.3355	---	7	**V**	7	786.4356	393.7214
809.4040	---	8	**V**	6	687.3672	344.1872
910.4516	---	9	**T**	5	588.2988	294.6530
1024.4946	---	10	**N**	4	487.2511	244.1292
1121.5473	---	11	**P**	3	373.2082	187.1077
1249.6423	625.3248	12	**K**	2	276.1554	138.5813
---	---	13	**E**	1	148.0604	---

[+] **All Sequence Ions**
[+] **Internal Ions**
[+] **Theoretical Peak Table**