File: EC-M-2
Sample: MAHWISH /DR. IQBAL
Instrument: JEOL MS 600H-1

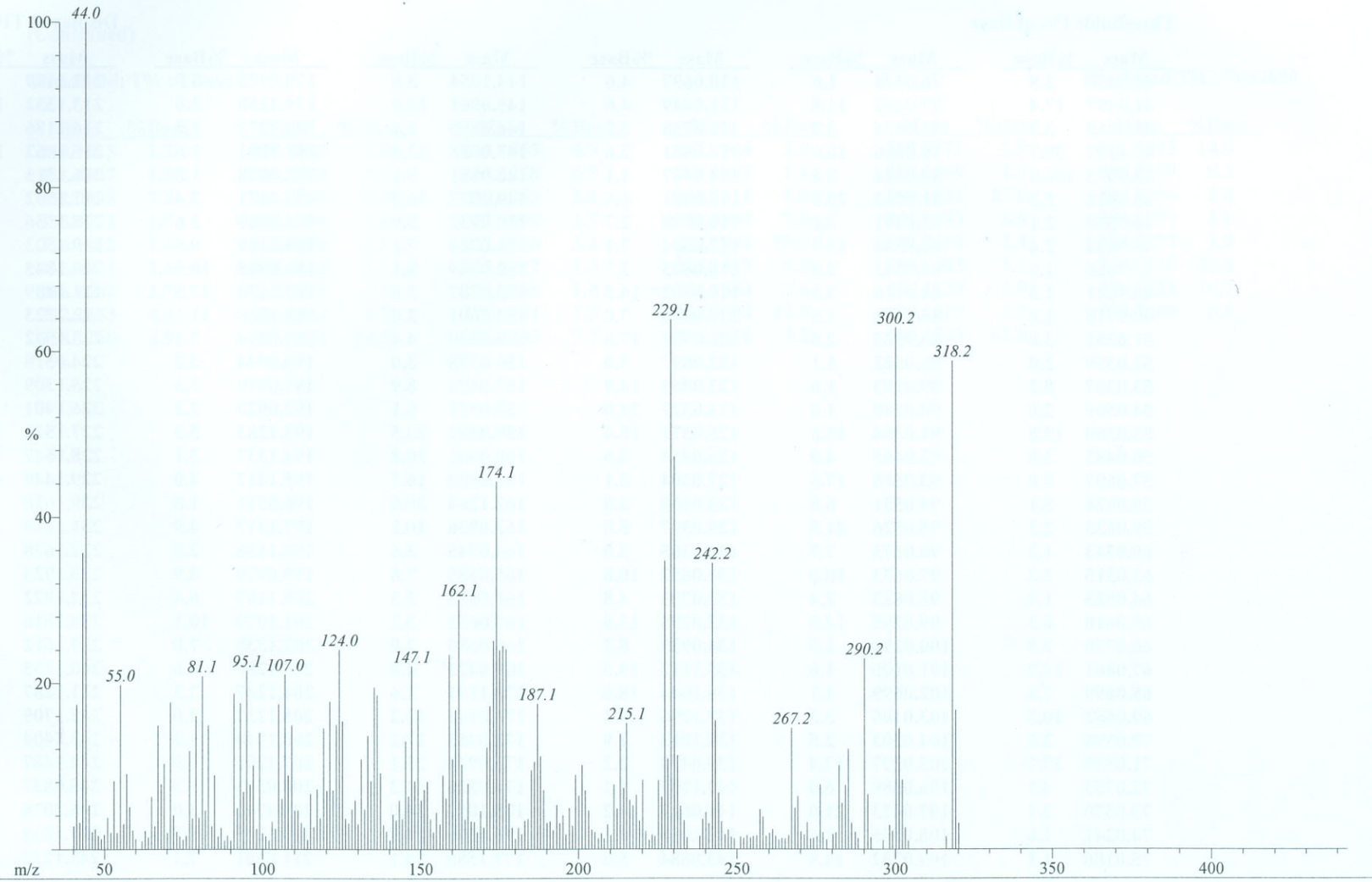
Date Run: 07-01-2015 (Time Run: 09:19:15)

Ionization mode: EI+

compound 2

Scan: 12
Base: m/z 44; 32%FS TIC: 7057680

R.T.: .98

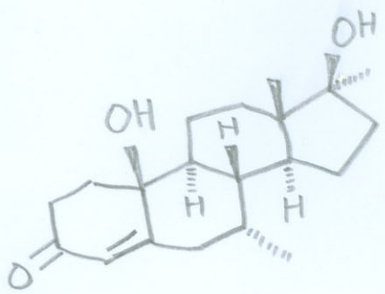


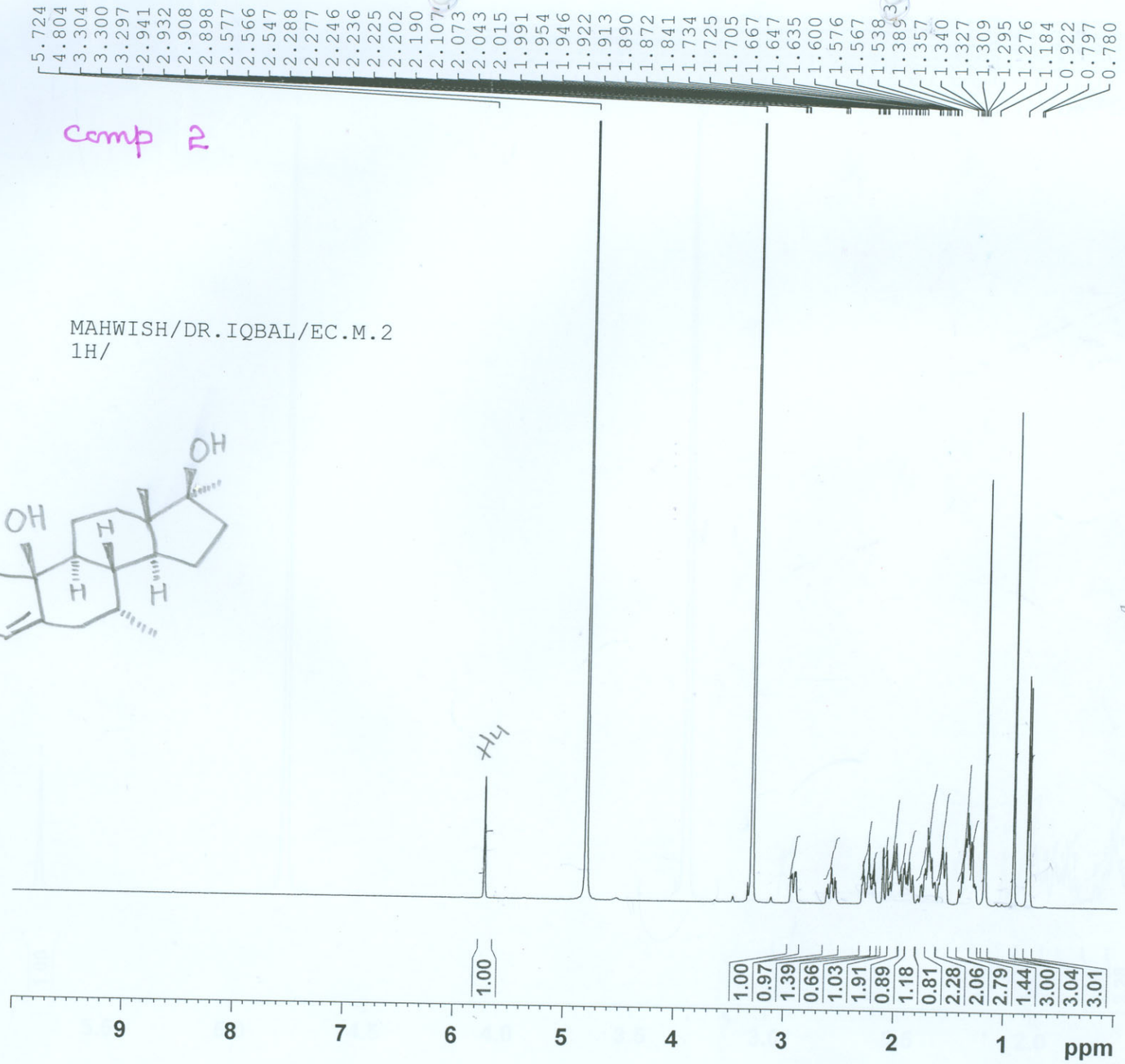
Compound 2

Mass	Relative Intensity	Theoretical Mass	Delta [ppm]	Delta [mmu]	RDB	Composition
254.1675	1.1	254.1671	1.6	0.4	8.0	$C_{18}H_{22}O_1$
255.1735	1.0	255.1749	-5.6	-1.4	7.5	$C_{18}H_{23}O_1$
256.1852	1.0	256.1827	9.8	2.5	7.0	$C_{18}H_{24}O_1$
257.1930	6.6	257.1905	9.6	2.5	6.5	$C_{18}H_{25}O_1$
258.1653	3.0	258.1620	12.9	3.3	7.0	$C_{17}H_{22}O_2$
258.2003	3.5	258.1984	7.4	1.9	6.0	$C_{18}H_{26}O_1$
260.1786	1.4	260.1776	3.8	1.0	6.0	$C_{17}H_{24}O_2$
261.1838	2.3	261.1855	-6.5	-1.7	5.5	$C_{17}H_{25}O_2$
263.1448	1.1	263.1436	4.4	1.2	10.5	$C_{19}H_{19}O_1$
265.1569	1.5	265.1592	-8.7	-2.3	9.5	$C_{19}H_{21}O_1$
267.1759	22.4	267.1749	3.9	1.0	8.5	$C_{19}H_{23}O_1$
268.1790	4.7	268.1827	-13.8	-3.7	8.0	$C_{19}H_{24}O_1$
269.1890	2.0	269.1905	-5.9	-1.6	7.5	$C_{19}H_{25}O_1$
272.2148	2.8	272.2140	2.9	0.8	6.0	$C_{19}H_{28}O_1$
276.2093	8.8	276.2089	1.3	0.4	5.0	$C_{18}H_{28}O_2$
277.2150	2.1	277.2168	-6.3	-1.8	4.5	$C_{18}H_{29}O_2$
280.1822	2.6	280.1827	-2.0	-0.6	9.0	$C_{20}H_{24}O_1$
281.1913	1.1	281.1905	2.8	0.8	8.5	$C_{20}H_{25}O_1$
282.1982	16.3	282.1984	-0.6	-0.2	8.0	$C_{20}H_{26}O_1$
283.2020	4.9	283.2062	-14.9	-4.2	7.5	$C_{20}H_{27}O_1$
284.2126	2.8	284.2140	-4.8	-1.4	7.0	$C_{20}H_{28}O_1$
285.1860	16.3	285.1855	1.8	0.5	7.5	$C_{19}H_{25}O_2$
286.1876	3.5	286.1933	-19.7	-5.7	7.0	$C_{19}H_{26}O_2$
290.2224	36.2	290.2246	-7.4	-2.1	5.0	$C_{19}H_{30}O_2$
291.2285	8.7	291.2324	-13.4	-3.9	4.5	$C_{19}H_{31}O_2$
292.2271	1.1					
298.1933	3.6	298.1933	0.0	0.0	8.0	$C_{20}H_{26}O_2$
299.2007	1.5	299.2011	-1.2	-0.4	7.5	$C_{20}H_{27}O_2$
300.2081	89.5	300.2089	-2.8	-0.8	7.0	$C_{20}H_{28}O_2$
301.2141	21.5	301.2168	-8.7	-2.6	6.5	$C_{20}H_{29}O_2$
302.2220	5.0	302.2246	-8.6	-2.6	6.0	$C_{20}H_{30}O_2$
303.2256	1.3					
317.2427	1.2	317.2481	-16.9	-5.4	5.5	$C_{21}H_{33}O_2$
318.2192	77.5	318.2195	-0.9	-0.3	6.0	$C_{20}H_{30}O_3$
319.2239	18.2	319.2273	-10.6	-3.4	5.5	$C_{20}H_{31}O_3$
320.2260	2.6					

Comp 2

MAHWISH/DR.IQBAL/EC.M.2
1H/





AVANCE AV-400 MHz
Lab # 115

NAME	jun25-15
EXPNO	1
PROCNO	1
Date_	20150625
Time	10.43
INSTRUM	spect
PROBHD	5 mm SEI 1H-13
PULPROG	zg30
TD	32768
SOLVENT	MeOD
NS	128
DS	0
SWH	8012.820 Hz
FIDRES	0.244532 Hz
AQ	2.0447731 sec
RG	512
DW	62.400 usec
DE	6.50 usec
TE	300.0 K
D1	2.00000000 sec
TD0	1

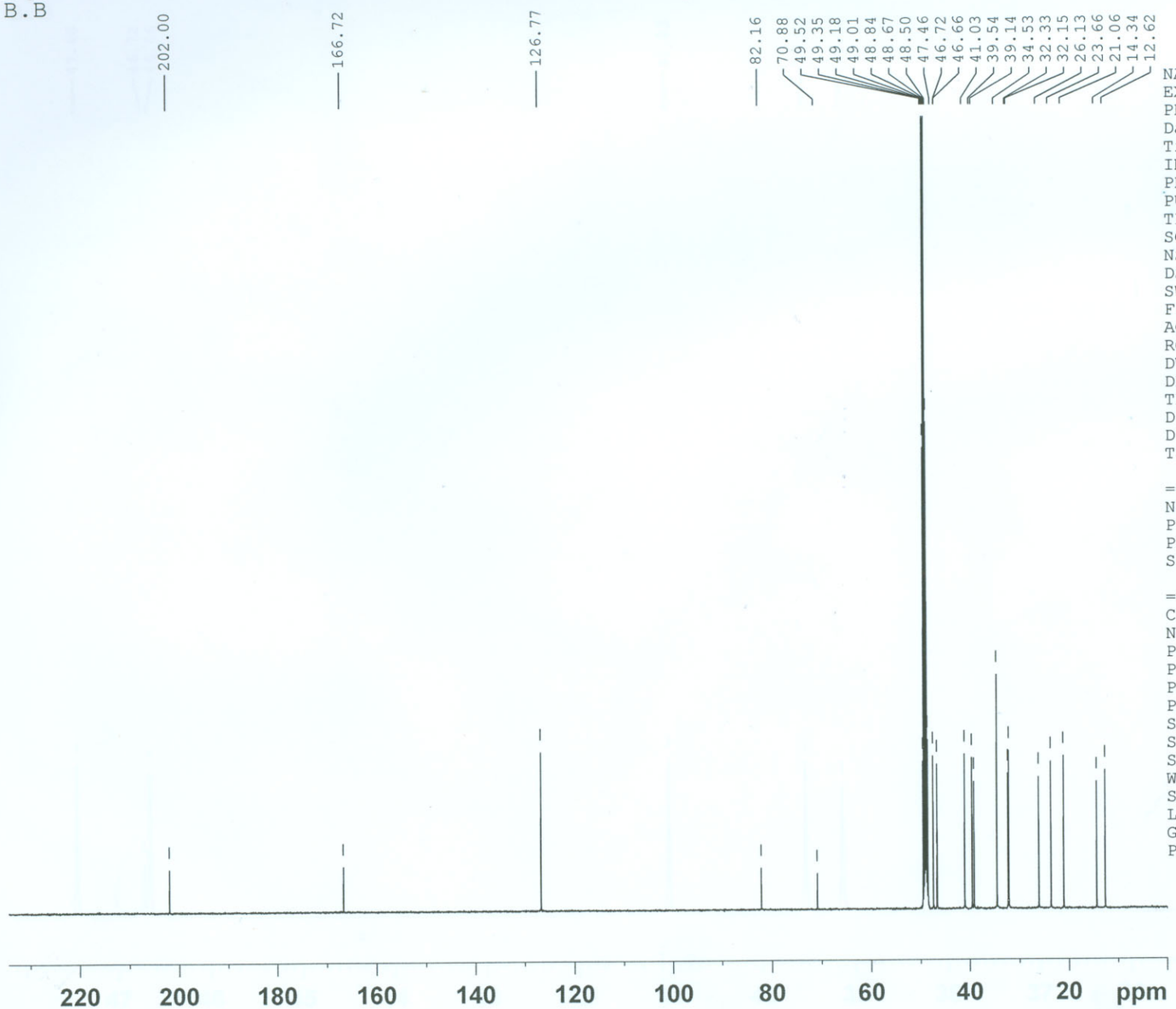
======== CHANNEL f1 ========

NUC1	1H
P1	10.80 usec
PL1	3.00 dB
SFO1	400.0332002 MHz
SI	16384
SF	400.0300087 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

MAHWISH/DR.IQBAL/EC-M-2/CD3OD
ICCBS/U.O.K
B.B

compound 2

AVANCE AV-500
LAB NO: 109B

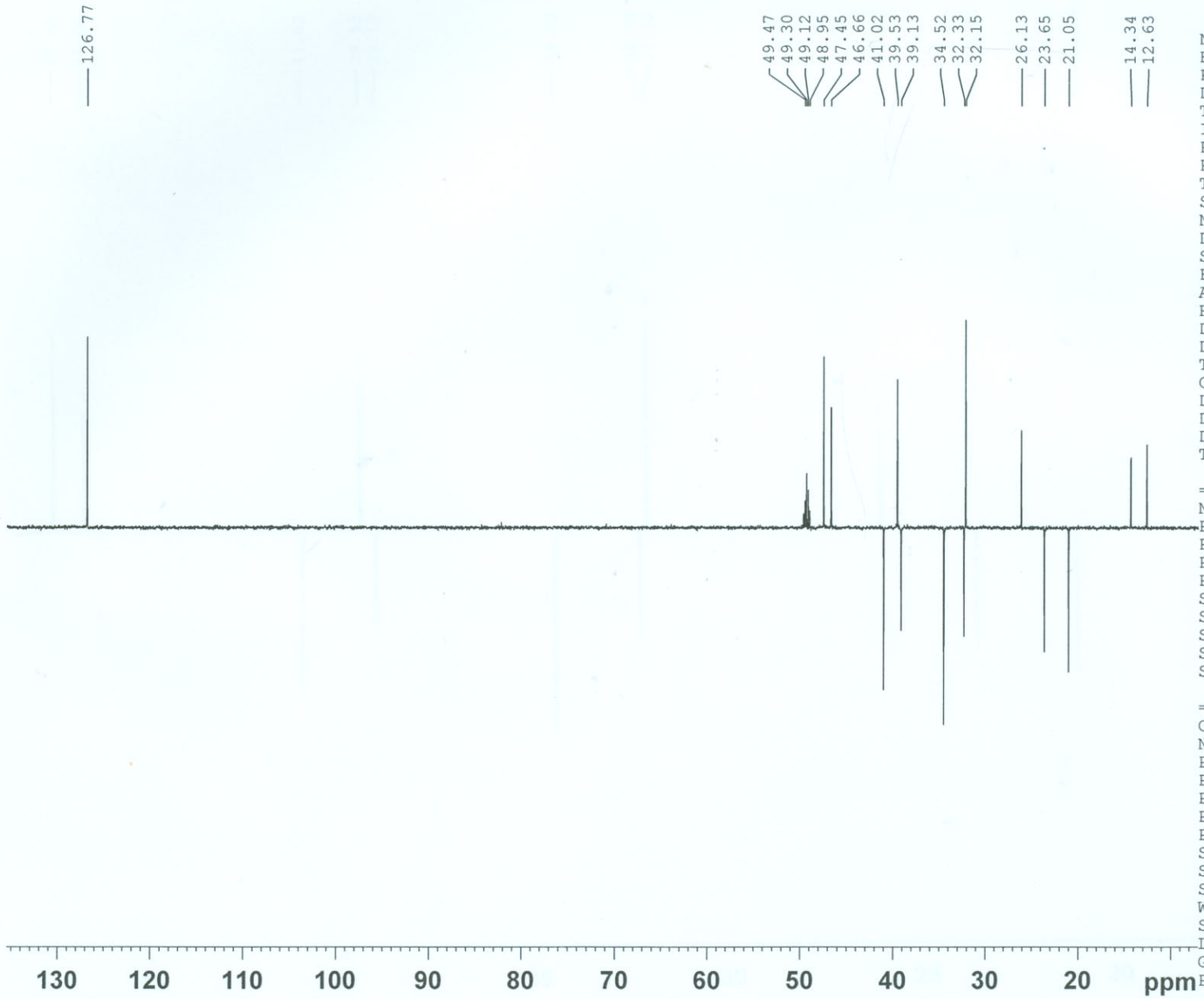


NAME	jun16-15
EXPNO	1
PROCNO	1
Date_	20150616
Time	14.21
INSTRUM	spect
PROBHD	5 mm BBI 1H/D-
PULPROG	zgpg
TD	32768
SOLVENT	MeOD
NS	18432
DS	4
SWH	29498.525 Hz
FIDRES	0.900224 Hz
AQ	0.5554845 sec
RG	32768
DW	16.950 usec
DE	6.50 usec
TE	300.9 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	18
======== CHANNEL f1 ========	
NUC1	13C
P1	12.00 usec
PL1	-3.00 dB
SFO1	125.7723529 MHz
======== CHANNEL f2 ========	
CPDPRG2	waltz16
NUC2	1H
PCPD2	80.00 usec
PL2	-1.00 dB
PL12	19.20 dB
PL13	22.00 dB
SFO2	500.1325007 MHz
SI	32768
SF	125.7576112 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.00

MAHWISH/DR.IQBAL/EC-M-2/CD3OD
ICCBS/U.O.K
DEPT135

comp 2

AVANCE AV-500
LAB NO: 109B

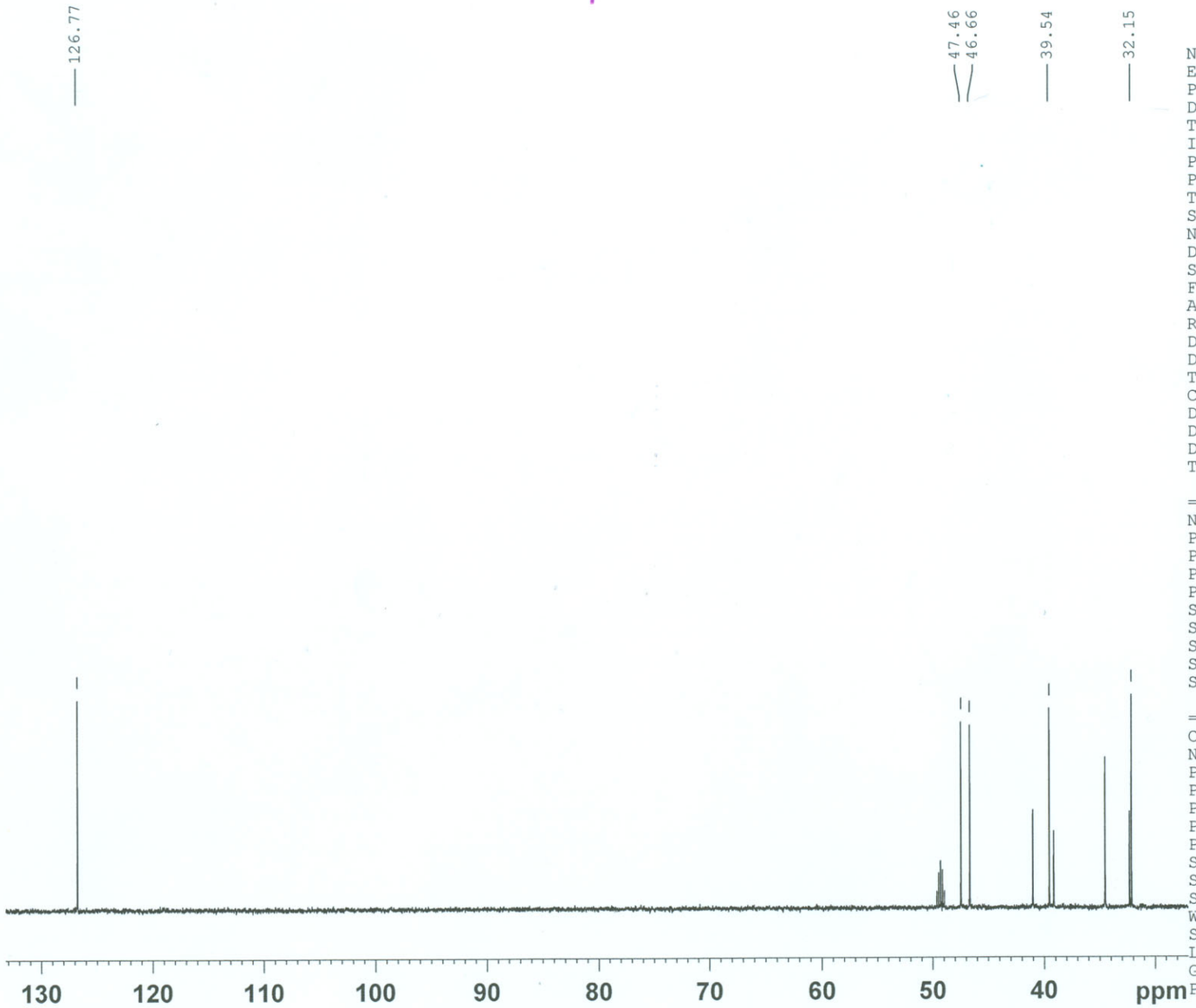


NAME	jun16-15
EXPNO	2
PROCNO	1
Date_	20150617
Time	3.39
INSTRUM	spect
PROBHD	5 mm BBI 1H/D-
PULPROG	deptsp135
TD	32768
SOLVENT	MeOD
NS	9135
DS	2
SWH	23809.523 Hz
FIDRES	0.726609 Hz
AQ	0.6881990 sec
RG	32768
DW	21.000 usec
DE	6.50 usec
TE	298.4 K
CNST2	145.0000000
D1	1.50000000 sec
D2	0.00344828 sec
D12	0.00002000 sec
TD0	12
======== CHANNEL f1 ========	
NUC1	13C
P1	12.00 usec
P12	2000.00 usec
PL0	120.00 dB
PL1	-3.00 dB
SFO1	125.7697360 MHz
SP2	3.58 dB
SPNAM2	Crp60comp.4
SPOAL2	0.500
SPOFFS2	0.00 Hz
======== CHANNEL f2 ========	
CPDPRG2	waltz16
NUC2	1H
P3	8.00 usec
P4	16.00 usec
PCPD2	80.00 usec
PL2	-1.00 dB
PL12	19.20 dB
SFO2	500.1335009 MHz
SI	16384
SF	125.7576112 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.00

MAHWISH/DR.IQBAL/EC-M-2/CD3OD
ICCBS/U.O.K
DEPT90

Compound 2

AVANCE AV-500
LAB NO: 109B

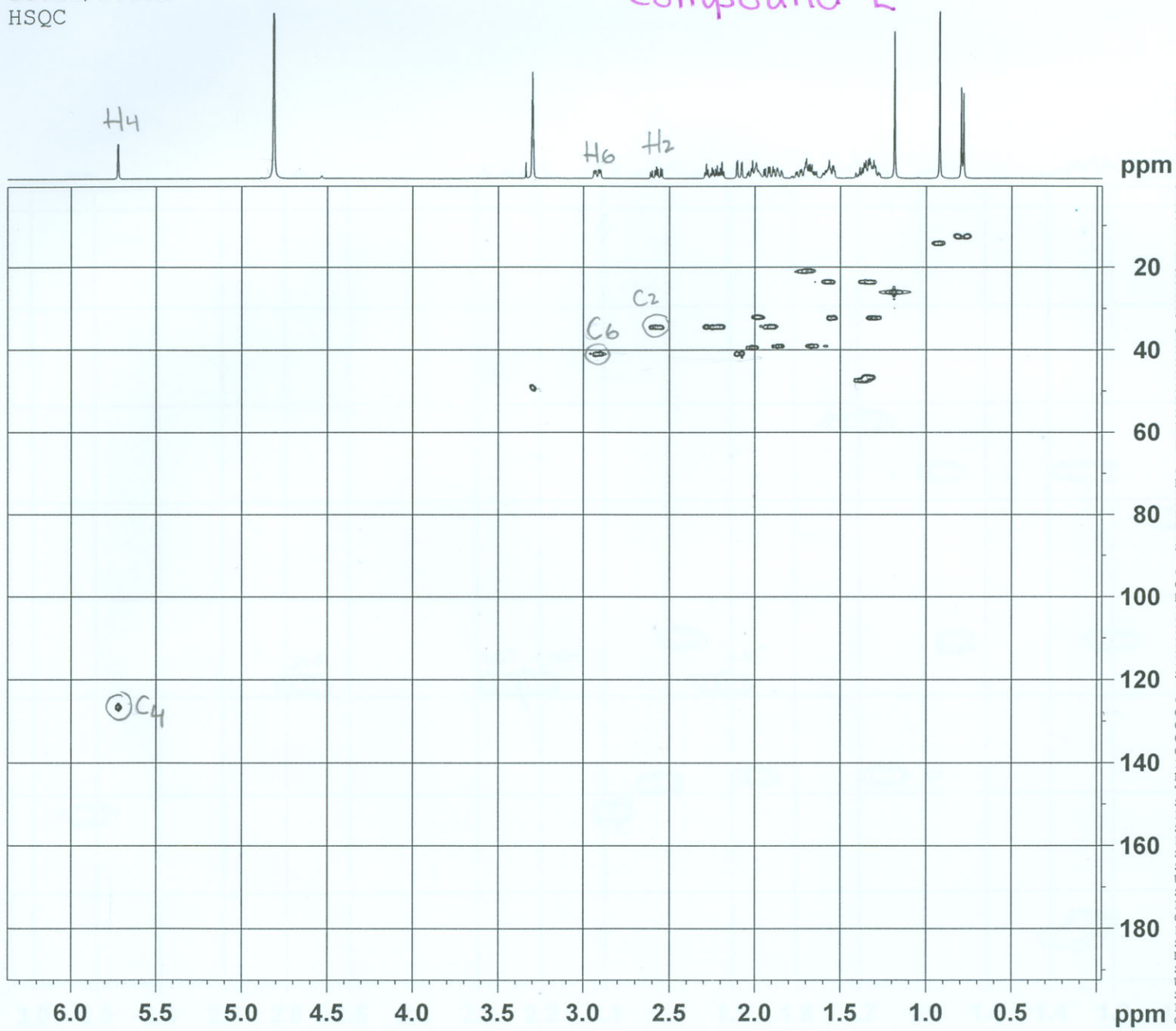


NAME	jun16-15
EXPNO	3
PROCNO	1
Date_	20150617
Time	9.20
INSTRUM	spect
PROBHD	5 mm BBI 1H/D-
PULPROG	deptsp90
TD	32768
SOLVENT	MeOD
NS	4739
DS	2
SWH	23809.523 Hz
FIDRES	0.726609 Hz
AQ	0.6881990 sec
RG	32768
DW	21.000 usec
DE	6.50 usec
TE	299.8 K
CNST2	145.0000000
D1	1.50000000 sec
D2	0.00344828 sec
D12	0.00002000 sec
TD0	6
======== CHANNEL f1 ========	
NUC1	13C
P1	12.00 usec
P12	2000.00 usec
PL0	120.00 dB
PL1	-3.00 dB
SFO1	125.7697360 MHz
SP2	3.58 dB
SPNAM2	Crp60comp.4
SPOAL2	0.500
SPOFFS2	0.00 Hz
======== CHANNEL f2 ========	
CPDPRG2	waltz16
NUC2	1H
P3	8.00 usec
P4	16.00 usec
PCPD2	80.00 usec
PL2	-1.00 dB
PL12	19.20 dB
SFO2	500.1335009 MHz
SI	32768
SF	125.7576112 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

MAHWISH/DR.IQBAL/EC-M-2/CD3OD
ICCBS/U.O.K
HSQC

Compound 2

AVANCE AV-500
LAB NO: 109B

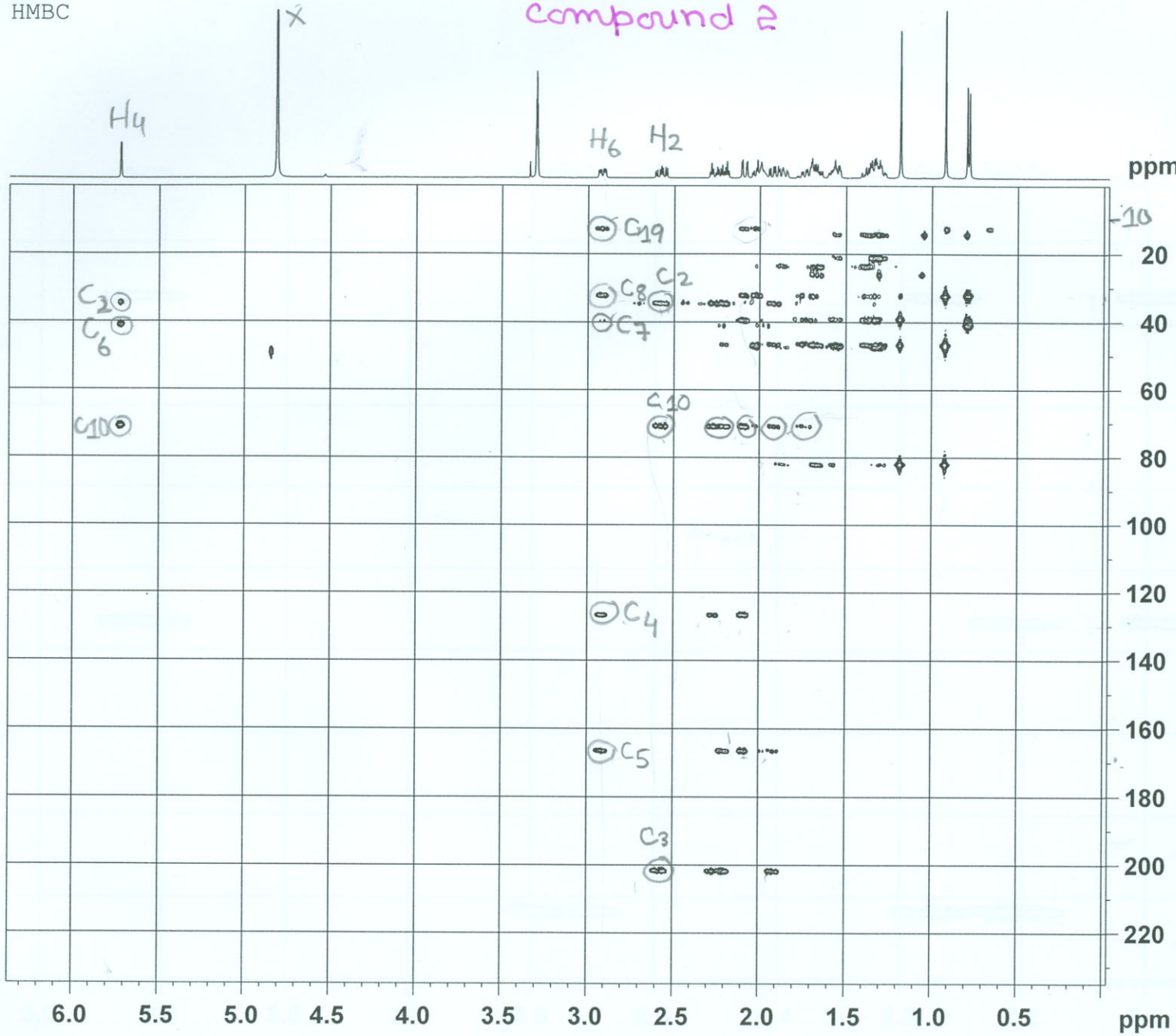



```
NAME            jun15-15
EXPNO                16
PROCNO                1
Date_            20150615
Time               20.45
INSTRUM            spect
PROBHD   5 mm BBI 1H/D-
PULPROG      hsqcetgpsi
TD                 1024
SOLVENT            MeOD
NS                   32
DS                    8
SWH            3205.128 Hz
FIDRES         3.130008 Hz
AQ            0.1599500 sec
RG              23170.5
DW              156.000 usec
DE                 6.50 usec
TE                298.9 K
CNST2       145.0000000
D0           0.00000300 sec
D1           1.50000000 sec
D4           0.00172414 sec
D11          0.03000000 sec
D13          0.00000400 sec
D16          0.00020000 sec
D24          0.00110000 sec
IN0          0.00002070 sec
ZGOPTNS

======== CHANNEL f1 ========
NUC1                 1H
P1                 8.00 usec
P2                16.00 usec
P28             1000.00 usec
PL1               -1.00 dB
SFO1        500.1316004 MHz

======== CHANNEL f2 ========
CPDPRG2            garp
NUC2                13C
P3                12.00 usec
P4                24.00 usec
PCPD2             65.00 usec
PL2               -3.00 dB
PL12              11.67 dB
SFO2        125.7697360 MHz

====== GRADIENT CHANNEL =====
GPNAM1          SINE.100
GPNAM2          SINE.100
GPZ1              80.00 %
GPZ2              20.10 %
P16             1000.00 usec
ND0                   2
TD                  256
SFO1            125.7697 MHz
FIDRES         94.327301 Hz
SW              192.000 ppm
FnMODE     Echo-Antiecho
SI                 1024
SF          500.1300158 MHz
WDW               QSINE
SSB                   2
LB                 0.00 Hz
GB                    0
PC                 4.00
SI                 1024
MC2        echo-antiecho
SF          125.7576112 MHz
WDW               QSINE
SSB                   2
LB                 0.00 Hz
GB                    0
```

MAHWISH/DR.IQBAL/EC-M-2/CD3OD
ICCBS/U.O.K
HMBC

AVANCE AV-500
LAB NO: 109B

compound 2

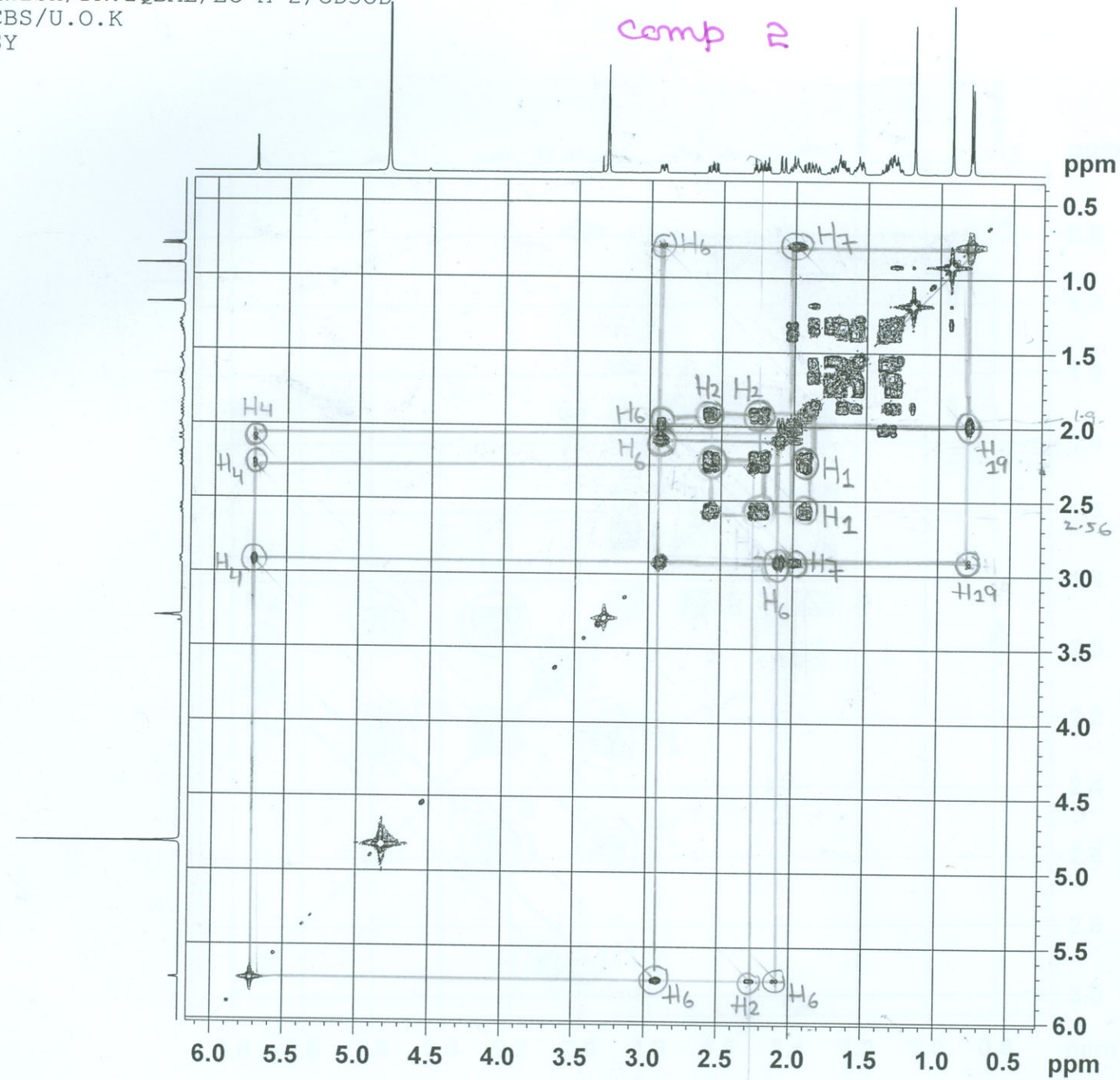


NAME	jun15-15
EXPNO	17
PROCNO	1
Date_	20150616
Time	0.37
INSTRUM	spect
PROBHD	5 mm BBI 1H/D-
PULPROG	hmbcgplpndqf
TD	2048
SOLVENT	MeOD
NS	64
DS	8
SWH	3205.128 Hz
FIDRES	1.565004 Hz
AQ	0.3196940 sec
RG	20642.5
DW	156.000 usec
DE	6.50 usec
TE	298.9 K
CNST2	145.0000000
CNST13	10.0000000
D0	0.00000300 sec
D1	2.00000000 sec
D2	0.00344828 sec
D6	0.05000000 sec
D16	0.00020000 sec
IN0	0.00001690 sec
======== CHANNEL f1 ========	
NUC1	1H
P1	8.00 usec
P2	16.00 usec
PL1	-1.00 dB
SFO1	500.1316004 MHz
======== CHANNEL f2 ========	
NUC2	13C
P3	12.00 usec
PL2	-3.00 dB
SFO2	125.7723769 MHz
====== GRADIENT CHANNEL =====	
GPNAM1	SINE.100
GPNAM2	SINE.100
GPNAM3	SINE.100
GPZ1	50.00 %
GPZ2	30.00 %
GPZ3	40.10 %
P16	1000.00 usec
ND0	2
TD	256
SFO1	125.7724 MHz
FIDRES	115.455109 Hz
SW	235.000 ppm
FnMODE	QF
SI	1024
SF	500.1300158 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0
PC	4.00
SI	1024
MC2	QF
SF	125.7576112 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0

MAHWISH/DR.IQBAL/EC-M-2/CD3OD
ICCBS/U.O.K
COSY

Comp 2

AVANCE AV-500
LAB NO: 109B

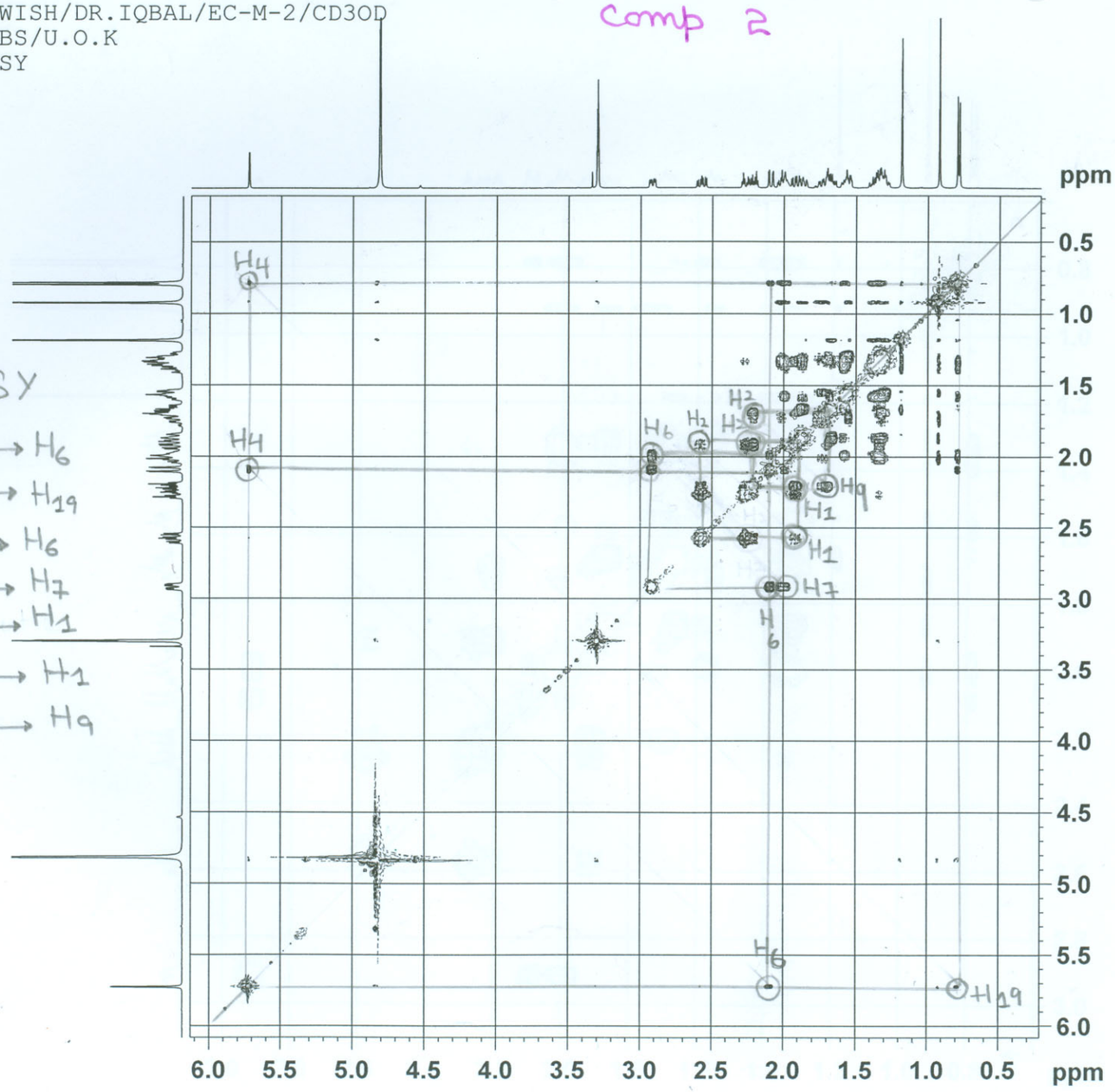


NAME	jun15-15
EXPNO	14
PROCNO	1
Date_	20150615
Time	16.06
INSTRUM	spect
PROBHD	5 mm BBI 1H/D-
PULPROG	cosygpqf
TD	2048
SOLVENT	MeOD
NS	8
DS	8
SWH	3205.128 Hz
FIDRES	1.565004 Hz
AQ	0.3196940 sec
RG	161.3
DW	156.000 usec
DE	6.50 usec
TE	301.5 K
D0	0.00000300 sec
D1	1.50000000 sec
D13	0.00000400 sec
D16	0.00020000 sec
IN0	0.00031200 sec
======== CHANNEL f1 ========	
NUC1	1H
P0	8.00 usec
P1	8.00 usec
PL1	-1.00 dB
SFO1	500.1316004 MHz
====== GRADIENT CHANNEL =====	
GPNAM1	SINE.100
GPZ1	10.00 %
P16	1000.00 usec
ND0	1
TD	256
SFO1	500.1316 MHz
FIDRES	12.520031 Hz
SW	6.409 ppm
FnMODE	QF
SI	1024
SF	500.1300158 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0
PC	4.00
SI	1024
MC2	QF
SF	500.1300158 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0

MAHWISH/DR.IQBAL/EC-M-2/CD3OD
ICCBS/U.O.K
NOESY

Comp 2

AVANCE AV-500
LAB NO: 109B



NOESY

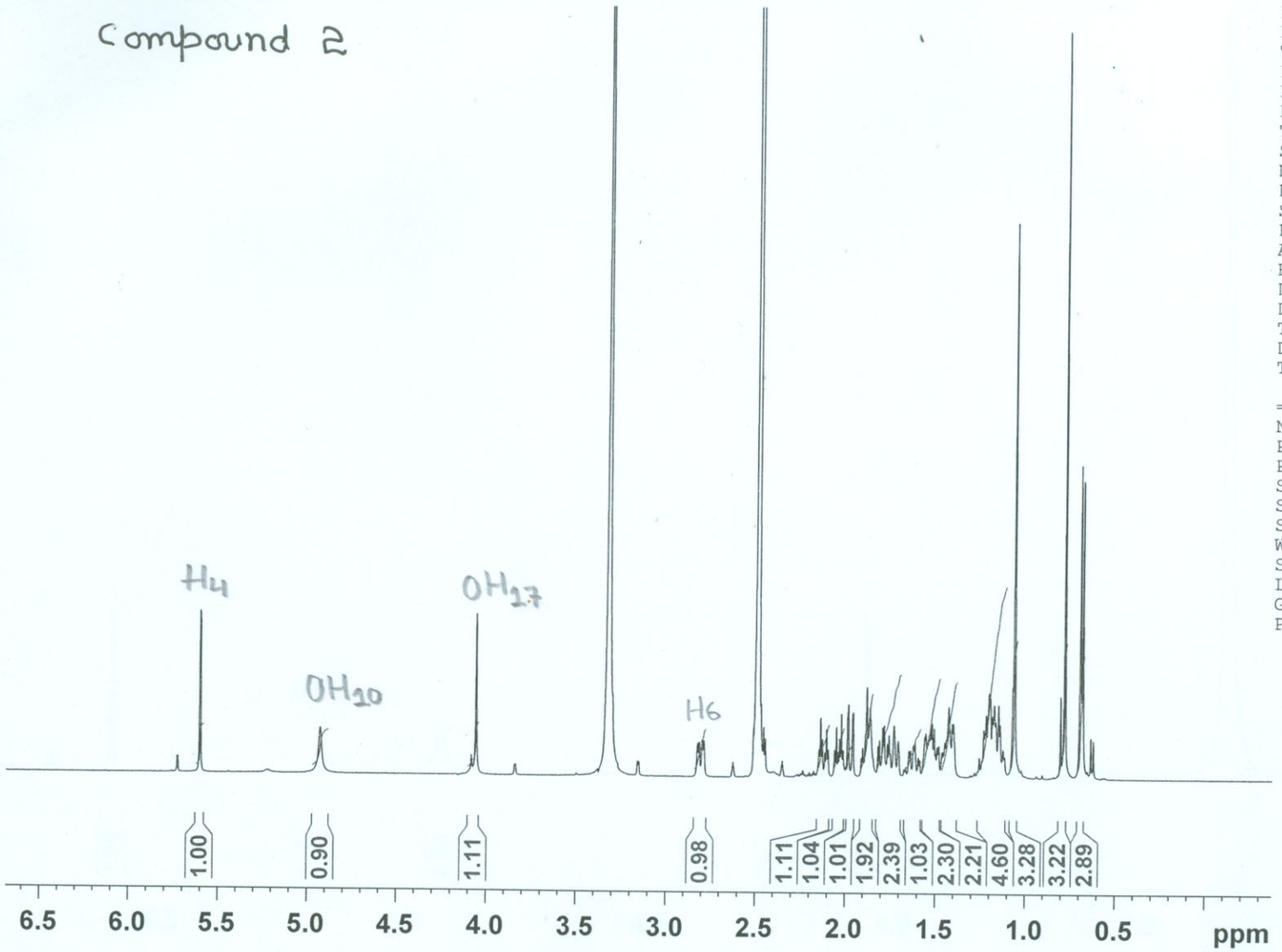
$H_4 \longleftrightarrow H_6$
$H_4 \longleftrightarrow H_{19}$
$H_6 \longleftrightarrow H_6$
$H_6 \longleftrightarrow H_7$
$H_2 \longleftrightarrow H_1$
$H_2 \longleftrightarrow H_1$
$H_2 \longleftrightarrow H_9$

NAME	jun15-15	
EXPNO	15	
PROCNO	1	
Date_	20150615	
Time	17.10	
INSTRUM	spect	
PROBHD	5 mm BBI 1H/D-	
PULPROG	noesygpph	
TD	2048	
SOLVENT	MeOD	
NS	16	
DS	2	
SWH	3205.128	Hz
FIDRES	1.565004	Hz
AQ	0.3196940	sec
RG	228.1	
DW	156.000	usec
DE	6.50	usec
TE	300.1	K
D0	0.00014581	sec
D1	2.00000000	sec
D8	0.80000001	sec
D16	0.00020000	sec
IN0	0.00031200	sec
======== CHANNEL f1 ========		
NUC1	1H	
P1	8.00	usec
P2	16.00	usec
PL1	-1.00	dB
SFO1	500.1316004	MHz
====== GRADIENT CHANNEL =====		
GPNAM1	SINE.100	
GPZ1	40.00	%
P16	1000.00	usec
ND0	1	
TD	256	
SFO1	500.1316	MHz
FIDRES	12.520031	Hz
SW	6.409	ppm
FnMODE	States-TPPI	
SI	1024	
SF	500.1300158	MHz
WDW	QSINE	
SSB	2	
LB	0.00	Hz
GB	0	
PC	4.00	
SI	1024	
MC2	States-TPPI	
SF	500.1300158	MHz
WDW	QSINE	
SSB	2	
LB	0.00	Hz
GB	0	

MAHWISH/DR.IQBAL/EC-M-2/DMSO

AVANCE AV-500
LAB NO:118

5.603 5.601 4.059 3.323 2.498 2.494 2.490 2.487 2.483 2.139 2.106 2.052 2.024 1.989 1.985 1.962 1.959 1.882 1.865 1.793 1.786 1.732 1.529 1.521 1.509 1.430 1.422 1.410 1.404 1.235 1.229 1.221 1.206 1.198 1.188 1.183 1.177 1.169 1.153 1.143 1.065 0.783 0.697 0.683



NAME	jan11-16
EXPNO	1
PROCNO	1
Date_	20160111
Time	10.48
INSTRUM	spect
PROBHD	5 mm PABBI 1H/
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	128
DS	0
SWH	12019.230 Hz
FIDRES	0.183399 Hz
AQ	2.7263892 sec
RG	256
DW	41.600 usec
DE	6.50 usec
TE	296.7 K
D1	2.00000000 sec
TD0	1

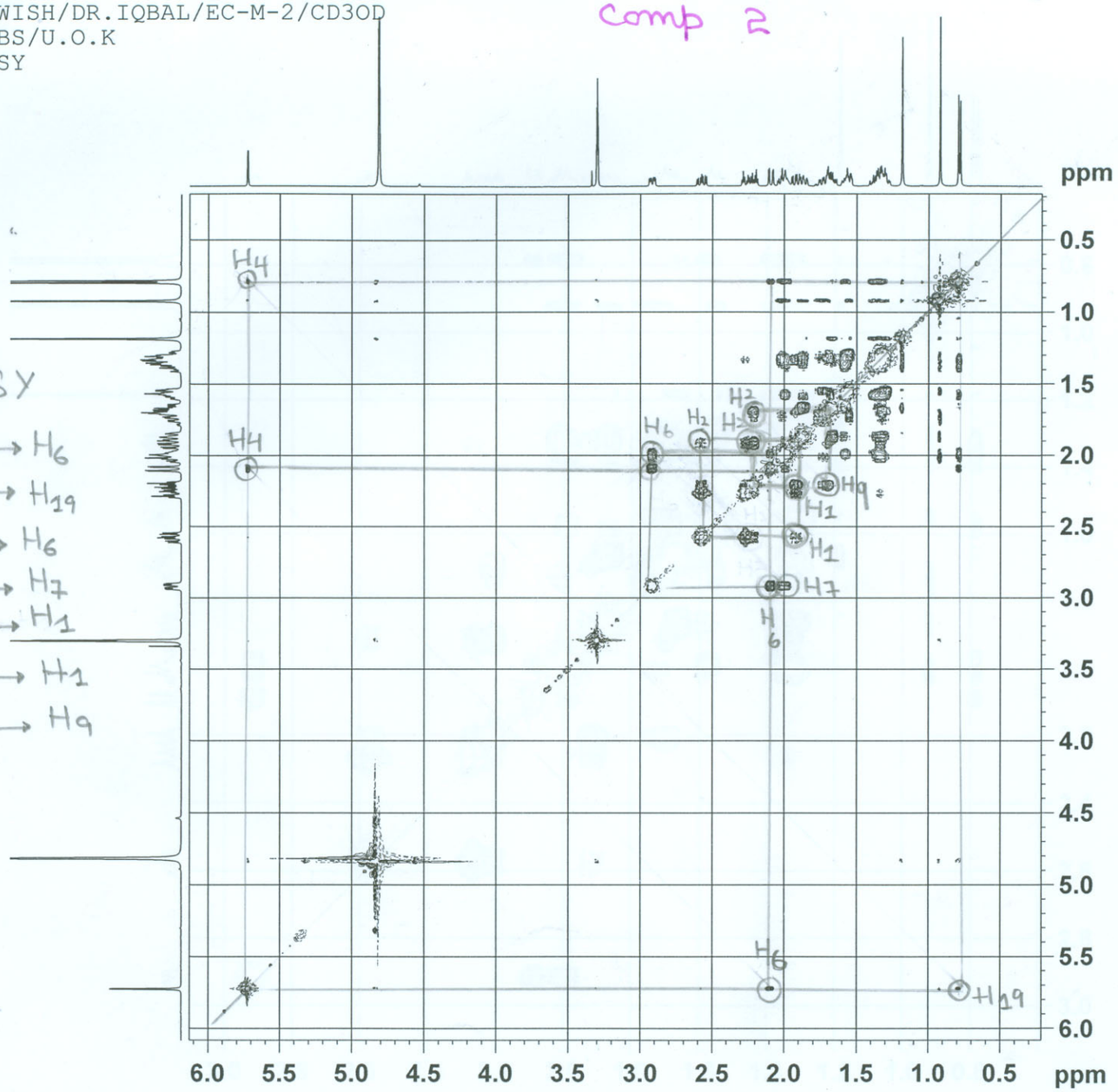
======== CHANNEL f1 ========

NUC1	1H
P1	8.03 usec
PL1	3.00 dB
SFO1	500.2350023 MHz
SI	32768
SF	500.2300060 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

MAHWISH/DR.IQBAL/EC-M-2/CD3OD
ICCBS/U.O.K
NOESY

Comp 2

AVANCE AV-500
LAB NO: 109B



NOESY

$H_4 \longleftrightarrow H_6$
$H_4 \longleftrightarrow H_{19}$
$H_6 \longleftrightarrow H_6$
$H_6 \longleftrightarrow H_7$
$H_2 \longleftrightarrow H_1$
$H_2 \longleftrightarrow H_1$
$H_2 \longleftrightarrow H_9$

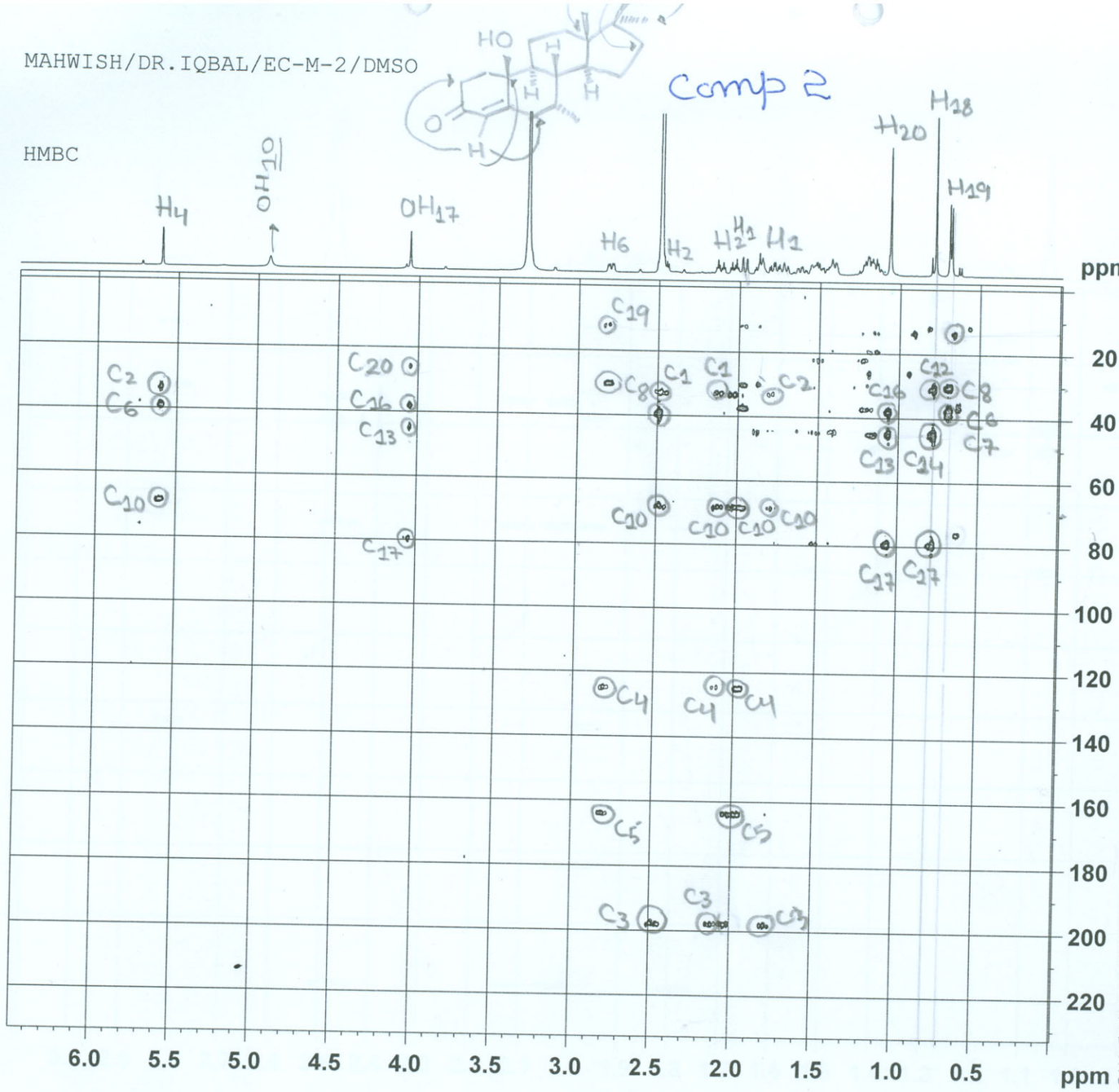
NAME	jun15-15
EXPNO	15
PROCNO	1
Date_	20150615
Time	17.10
INSTRUM	spect
PROBHD	5 mm BBI 1H/D-
PULPROG	noesygpph
TD	2048
SOLVENT	MeOD
NS	16
DS	2
SWH	3205.128 Hz
FIDRES	1.565004 Hz
AQ	0.3196940 sec
RG	228.1
DW	156.000 usec
DE	6.50 usec
TE	300.1 K
D0	0.00014581 sec
D1	2.00000000 sec
D8	0.80000001 sec
D16	0.00020000 sec
IN0	0.00031200 sec
======== CHANNEL f1 ========	
NUC1	1H
P1	8.00 usec
P2	16.00 usec
PL1	-1.00 dB
SFO1	500.1316004 MHz
====== GRADIENT CHANNEL =====	
GPNAM1	SINE.100
GPZ1	40.00 %
P16	1000.00 usec
ND0	1
TD	256
SFO1	500.1316 MHz
FIDRES	12.520031 Hz
SW	6.409 ppm
FnMODE	States-TPPI
SI	1024
SF	500.1300158 MHz
WDW	QSINE
SSB	2
LB	0.00 Hz
GB	0
PC	4.00
SI	1024
MC2	States-TPPI
SF	500.1300158 MHz
WDW	QSINE
SSB	2
LB	0.00 Hz
GB	0

MAHWISH/DR.IQBAL/EC-M-2/DMSO

HMBC

Comp 2

AVANCE AV-500
LAB NO:118



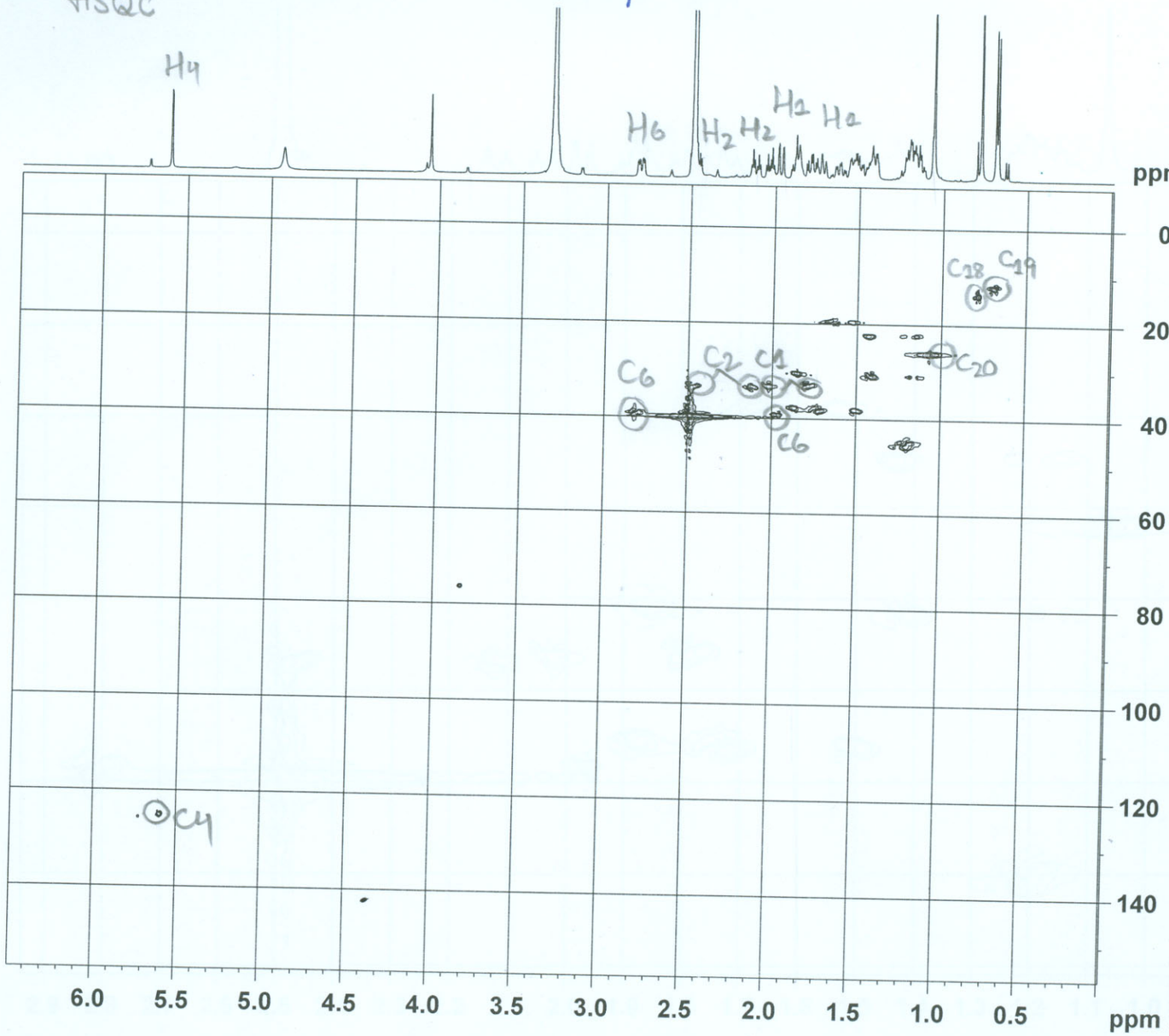
NAME	jan11-16
EXPNO	5
PROCNO	1
Date_	20160111
Time	19.20
INSTRUM	spect
PROBHD	5 mm PABBI 1H/
PULPROG	hmbcgplpndqf
TD	2048
SOLVENT	DMSO
NS	64
DS	16
SWH	3255.208 Hz
FIDRES	1.589457 Hz
AQ	0.3147764 sec
RG	20642.5
DW	153.600 usec
DE	6.50 usec
TE	298.9 K
CNST2	145.0000000
CNST13	10.0000000
D0	0.00000300 sec
D1	2.00000000 sec
D2	0.00344828 sec
D6	0.05000000 sec
D16	0.00020000 sec
IN0	0.00001690 sec
======== CHANNEL f1 ========	
NUC1	1H
P1	8.03 usec
P2	16.06 usec
PL1	3.00 dB
SFO1	500.2316257 MHz
======== CHANNEL f2 ========	
NUC2	13C
P3	13.35 usec
PL2	-3.00 dB
SFO2	125.7974871 MHz
====== GRADIENT CHANNEL =====	
GPNAM1	SINE.100
GPNAM2	SINE.100
GPNAM3	SINE.100
GPZ1	50.00 %
GPZ2	30.00 %
GPZ3	40.10 %
P16	1000.00 usec
ND0	2
TD	256
SFO1	125.7975 MHz
FIDRES	115.478165 Hz
SW	235.000 ppm
FnMODE	QF
SI	1024
SF	500.2300060 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0
PC	1.00
SI	512
MC2	QF
SF	125.7829924 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0

MAHWISH/DR.IQBAL/EC-M-2/DMSO

HSQC

Comp 2

AVANCE AV-500
LAB NO:118

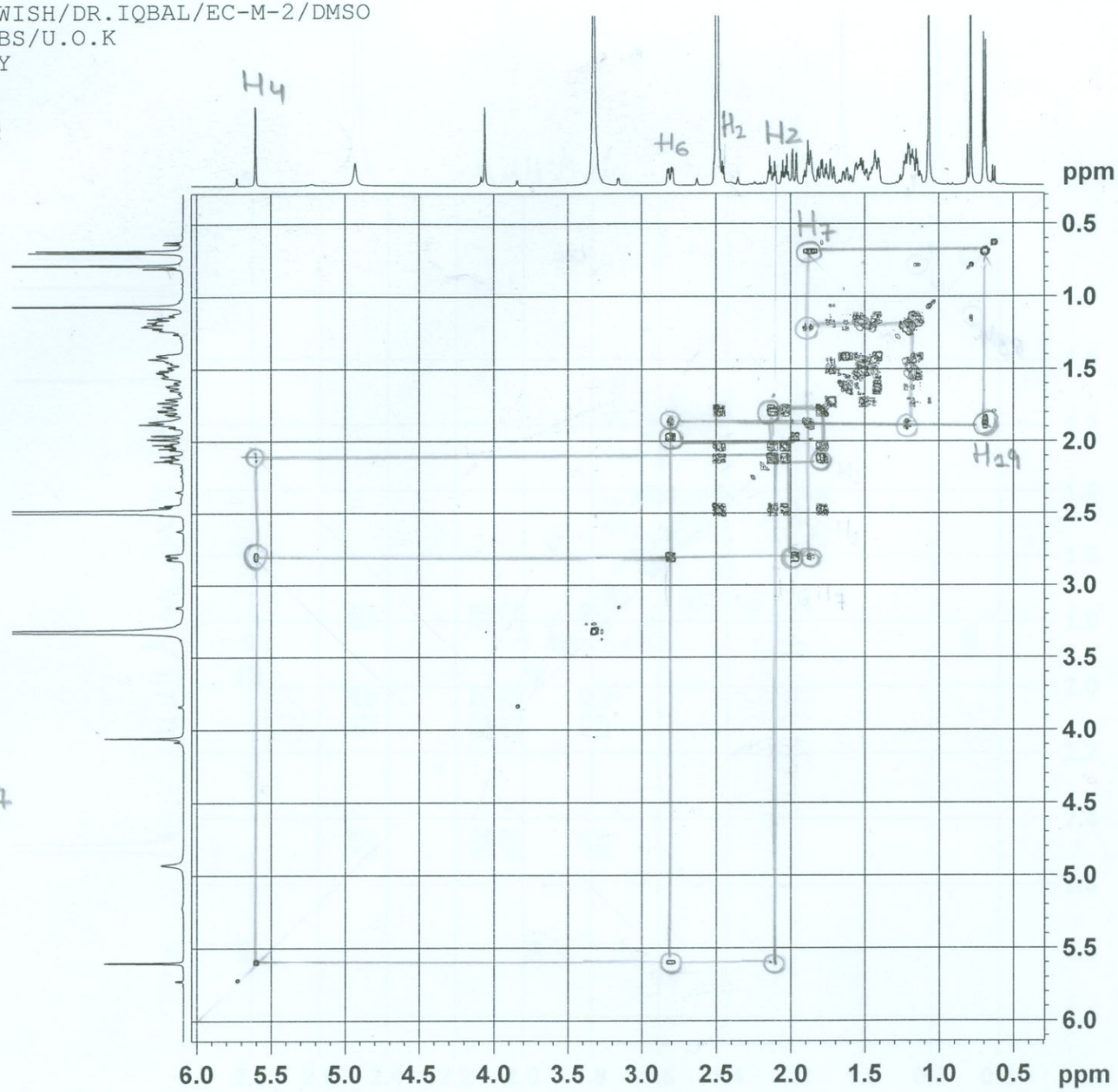


NAME	jan11-16
EXPNO	4
PROCNO	1
Date_	20160111
Time	15.28
INSTRUM	spect
PROBHD	5 mm PABBI 1H/
PULPROG	hsqcedetgp
TD	1024
SOLVENT	DMSO
NS	32
DS	16
SWH	3255.208 Hz
FIDRES	3.178914 Hz
AQ	0.1574900 sec
RG	18390.4
DW	153.600 usec
DE	6.50 usec
TE	296.6 K
CNST2	145.0000000
D0	0.00000300 sec
D1	1.50000000 sec
D4	0.00172414 sec
D11	0.03000000 sec
D13	0.00000400 sec
D16	0.00020000 sec
D21	0.00345000 sec
IN0	0.00002400 sec
ZGOPTNS	
======== CHANNEL f1 ========	
NUC1	1H
P1	8.03 usec
P2	16.06 usec
P28	1000.00 usec
PL1	3.00 dB
SFO1	500.2316257 MHz
======== CHANNEL f2 ========	
CPDPRG2	garp
NUC2	13C
P3	13.35 usec
P4	26.70 usec
PCPD2	70.00 usec
PL2	-3.00 dB
PL12	10.00 dB
SFO2	125.7923151 MHz
====== GRADIENT CHANNEL =====	
GPNAM1	SINE.100
GPNAM2	SINE.100
GPZ1	80.00 %
GPZ2	20.10 %
P16	1000.00 usec
ND0	2
TD	256
SFO1	125.7923 MHz
FIDRES	81.391190 Hz
SW	165.639 ppm
FnMODE	Echo-Antiecho
SI	1024
SF	500.2300060 MHz
WDW	QSINE
SSB	2
LB	0.00 Hz
GB	0
PC	0.80
SI	1024
MC2	echo-antiecho
SF	125.7829924 MHz
WDW	QSINE
SSB	2
LB	0.00 Hz
GB	0

MAHWISH/DR.IQBAL/EC-M-2/DMSO
ICCBS/U.O.K
COSY

Comp. 2

AVANCE AV-500
LAB NO:118



COSY

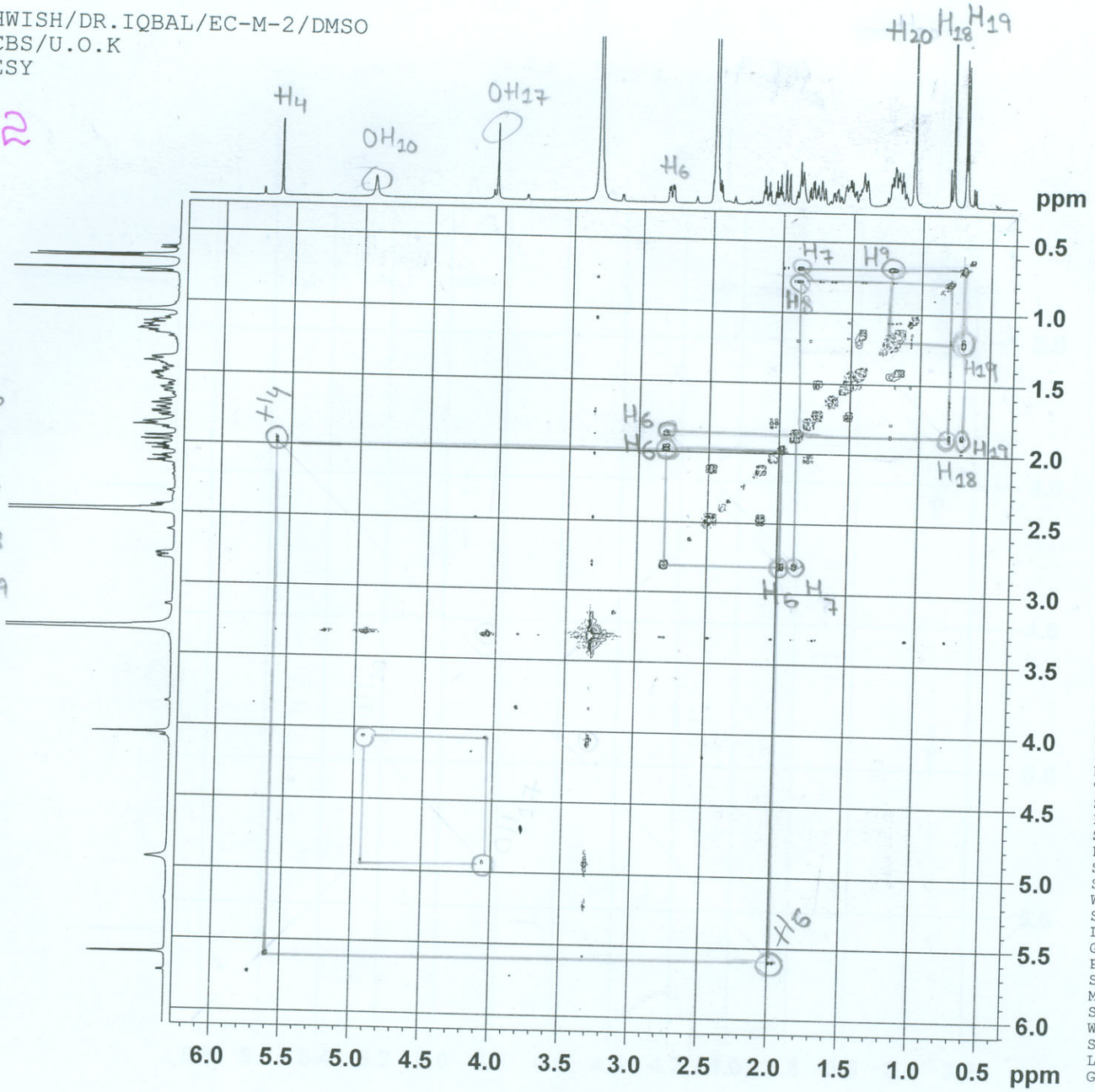
H4 ↔ H6
H4 ↔ H2
H6 ↔ H6
H6 ↔ H7

NAME	jan11-16	
EXPNO	2	
PROCNO	1	
Date_	20160111	
Time	10.48	
INSTRUM	spect	
PROBHD	5 mm PABBI 1H/	
PULPROG	cosydfqf	
TD	2048	
SOLVENT	DMSO	
NS	8	
DS	8	
SWH	3255.208	Hz
FIDRES	1.589457	Hz
AQ	0.3147764	sec
RG	362	
DW	153.600	usec
DE	6.50	usec
TE	296.7	K
D0	0.00000300	sec
D1	1.50000000	sec
D13	0.00000400	sec
D20	0.00000000	sec
IN0	0.00030720	sec
======== CHANNEL f1 ========		
NUC1	1H	
P1	8.03	usec
PL1	3.00	dB
SFO1	500.2316257	MHz
ND0	1	
TD	256	
SFO1	500.2316	MHz
FIDRES	12.715656	Hz
SW	6.507	ppm
FnMODE	QF	
SI	1024	
SF	500.2300060	MHz
WDW	QSINE	
SSB	0	
LB	0.00	Hz
GB	0	
PC	1.00	
SI	1024	
MC2	QF	
SF	500.2300060	MHz
WDW	QSINE	
SSB	0	
LB	0.00	Hz
GB	0	

MAHWISH/DR.IQBAL/EC-M-2/DMSO
ICCBS/U.O.K
NOESY

Comp. 2

AVANCE AV-500
LAB NO:118



NOESY

$H_4 \longleftrightarrow H_6$
$H_6 \longleftrightarrow H_6$
$H_6 \longleftrightarrow H_7$
$H_8 \longleftrightarrow H_{18}$
$H_7 \longleftrightarrow H_{19}$
$H_9 \longleftrightarrow H_{19}$

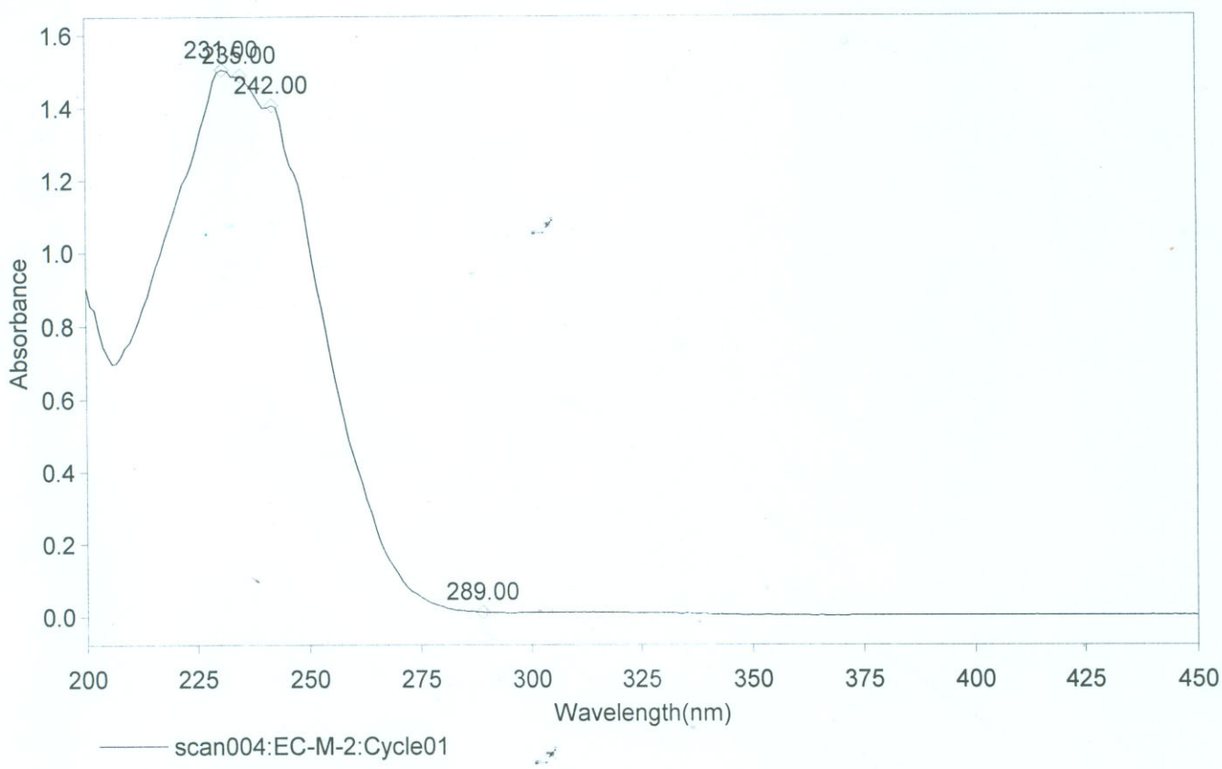
NAME	jan11-16
EXPNO	3
PROCNO	1
Date_	20160111
Time	11.53
INSTRUM	spect
PROBHD	5 mm PABBI 1H/
PULPROG	noesygpph
TD	2048
SOLVENT	DMSO
NS	16
DS	8
SWH	3255.208 Hz
FIDRES	1.589457 Hz
AQ	0.3147764 sec
RG	71.8
DW	153.600 usec
DE	6.50 usec
TE	296.5 K
D0	0.00014338 sec
D1	2.00000000 sec
D8	0.80000001 sec
D16	0.00020000 sec
IN0	0.00030720 sec
======== CHANNEL f1 ========	
NUC1	1H
P1	8.03 usec
P2	16.06 usec
PL1	3.00 dB
SFO1	500.2316257 MHz
====== GRADIENT CHANNEL =====	
GPNAM1	SINE.100
GPNAM2	SINE.100
GPZ1	40.00 %
GPZ2	-40.00 %
P16	1000.00 usec
ND0	1
TD	256
SFO1	500.2316 MHz
FIDRES	12.715656 Hz
SW	6.507 ppm
FnMODE	States-TPPI
SI	1024
SF	500.2300060 MHz
WDW	QSINE
SSB	2
LB	0.00 Hz
GB	0
PC	1.00
SI	1024
MC2	States-TPPI
SF	500.2300060 MHz
WDW	QSINE
SSB	2
LB	0.00 Hz
GB	0

THERMO ELECTRON ~ VISIONpro SOFTWARE V4.10

Operator Name	Arshad Alam	Date of Report	11/6/2015
Department	Analytical laboratory#004 TWC	Time of Report	8:48:27AM
Organization	ICCBS.Karachi University.		
Information	Porf Dr. M.Iqbal /Mahwish.		

Scan Graph

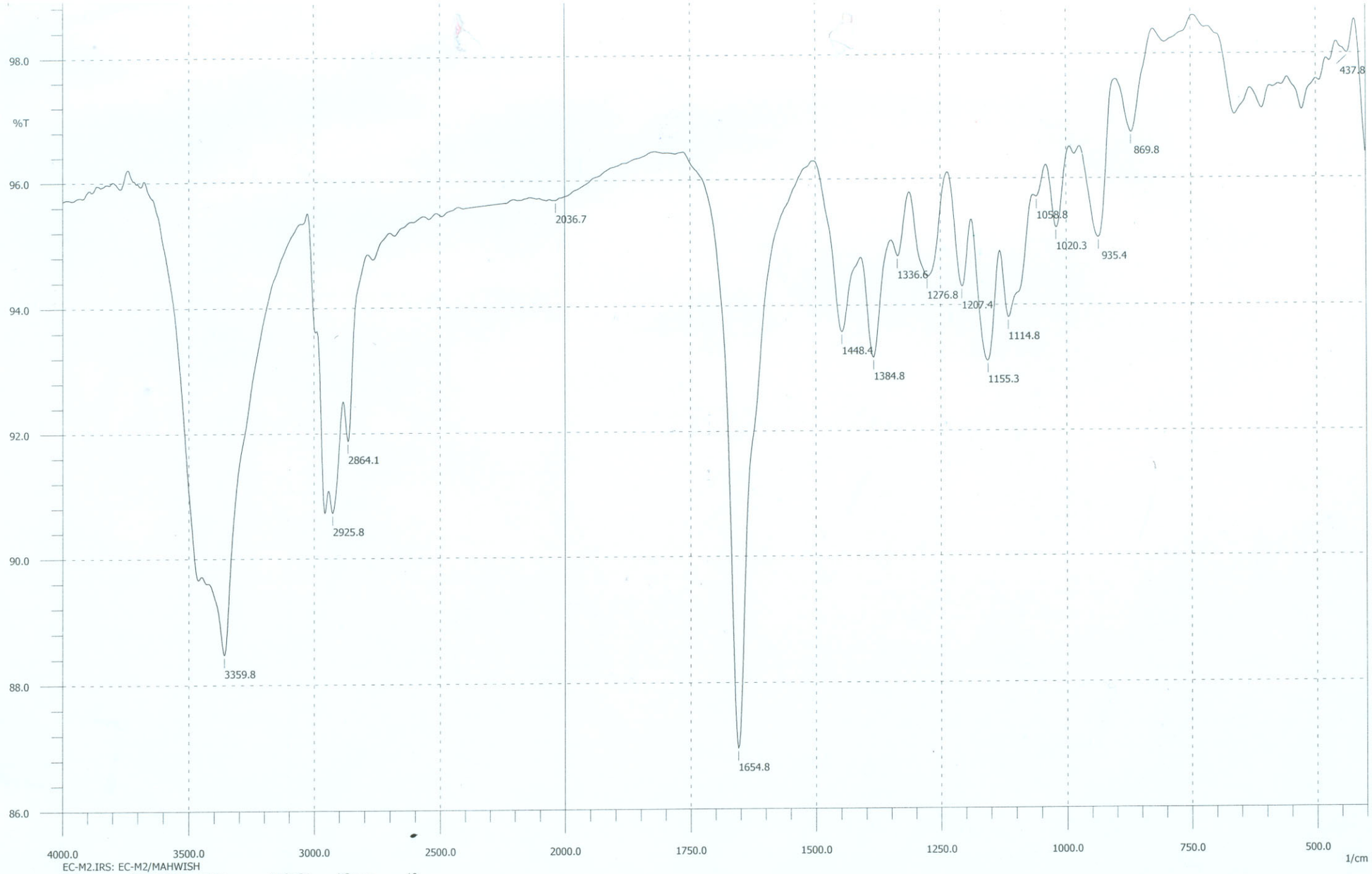
Compound 2



Results Table - EC-M-2.sre,EC-M-2,Cycle01

nm	A	Peak Pick Method
231.00	1.504	Find 8 Peaks Above -3.0000 A
235.00	1.488	Start Wavelength 200.00 nm
242.00	1.406	Stop Wavelength 290.00 nm
289.00	0.012	Sort By Wavelength
Sensitivity	Manual	
Rising Points	1	
Falling Points	1	
Min. Change	0.0000	

2 ml → 0.02 ml + 2 ml



EC-M2.IRS: EC-M2/MAHWISH

Date:	06/30/2015	Time:	11:21:34	NScans:	10		
Type:	HYPER IR	User:	ZUBAIR AHMED			Detector:	standard
Abscissa:	1/cm	Ordinate:	%T	Apodization:	Happ		
Min:	401.17	Max:	3998.16	Range:	1/cm		
Ndp:	1866	Data Interval:	1.92868	Resolution:	4.0		
Gain:	auto	Aperture:	auto	Mirror Speed:	2.8(low)		

Compound 2