

File: NH-ST-4
Sample: MUSRAT HUSSAIN / DR IQBAL
Instrument: JEOL JMS 600-H
Inlet: My Inlet

Date Run: 01-31-2014 (Time Run: 09:20:31)

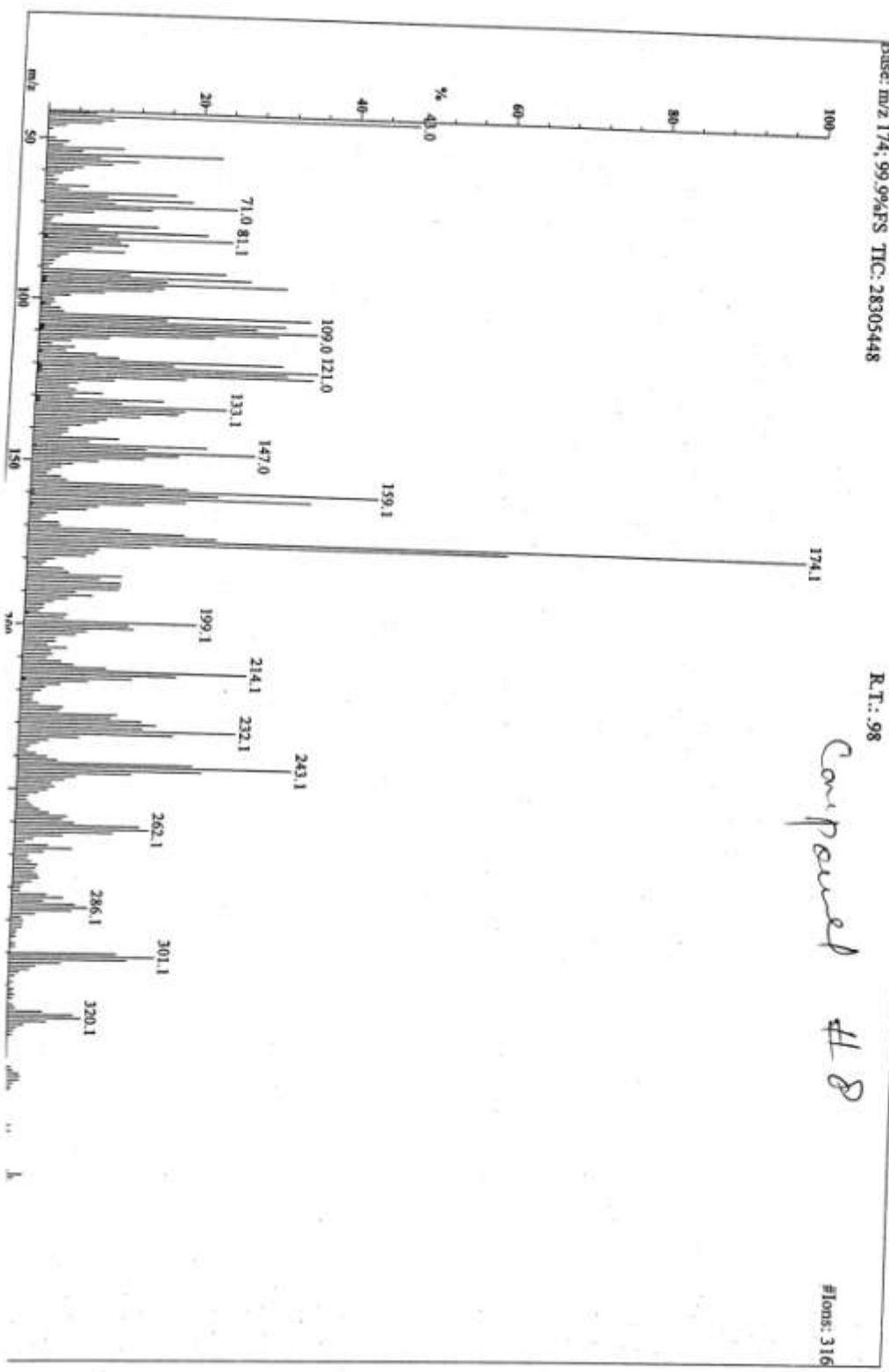
Ionization mode: EI+

Scan: 12
Base: m/z 174; 99.99%FS TIC: 28305448

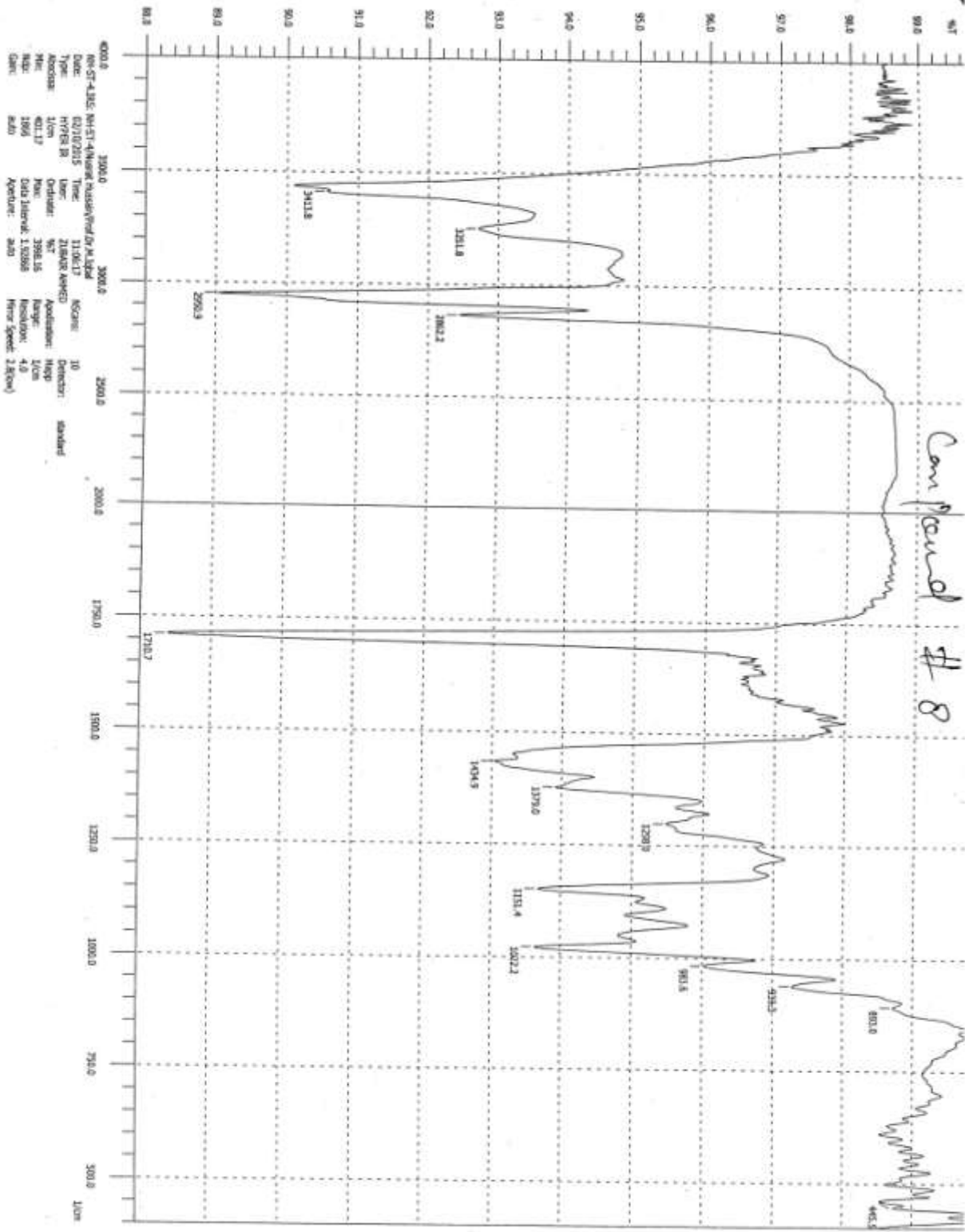
R.T.: 98

Compound # 8

#Ions: 316

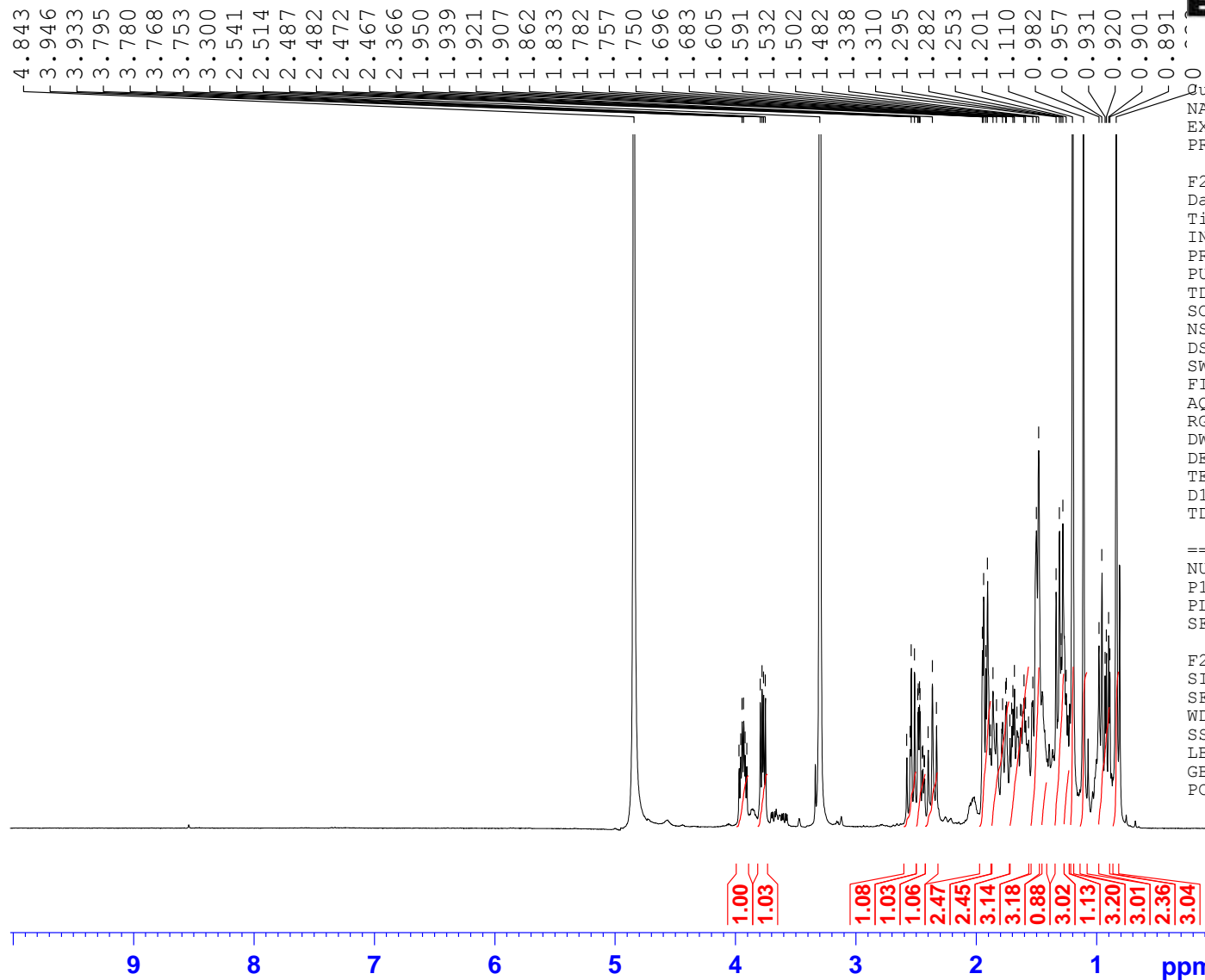


Compound # 8



NON-ST-ALBE NH-ST-ANALYST PASSED BY A LISA
Date: 02/16/2015 Time: 11:06:17 Name: 10
Type: HYPER IR User: ZILBARI, ABEED
Absorbance: 1.0cm Ordinate: %T Aperture: 10
MIR: 401.17 POC: 3998.15 Range: 2cm Detector: standard
MID: 1999 Data Interval: 1.00288 Resolution: 4.0
Date: 8/20 Aperture: auto Mirror Speed: 2.50cm

Nusrat / Dr. Iqbal / NH-ST-4
1H



Current Data Parameters
NAME compound8
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140123
Time_ 15.42
INSTRUM spect
PROBHD 5 mm SEI 1H-13
PULPROG zg30
TD 32768
SOLVENT MeOD
NS 32
DS 0
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0447233 sec
RG 161.3
DW 62.400 usec
DE 6.50 usec
TE 298.5 K
D1 1.5000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 10.80 usec
PL1 3.00 dB
SFO1 400.0332002 MHz

F2 - Processing parameters
SI 16384
SF 400.0300087 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

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BB

— 211.17



81.88
77.05
77.00
68.06
61.71
50.79
49.63
49.42
49.28
49.21
49.00
48.78
48.57
48.36
47.43
46.63
45.50
43.77
42.88
39.21

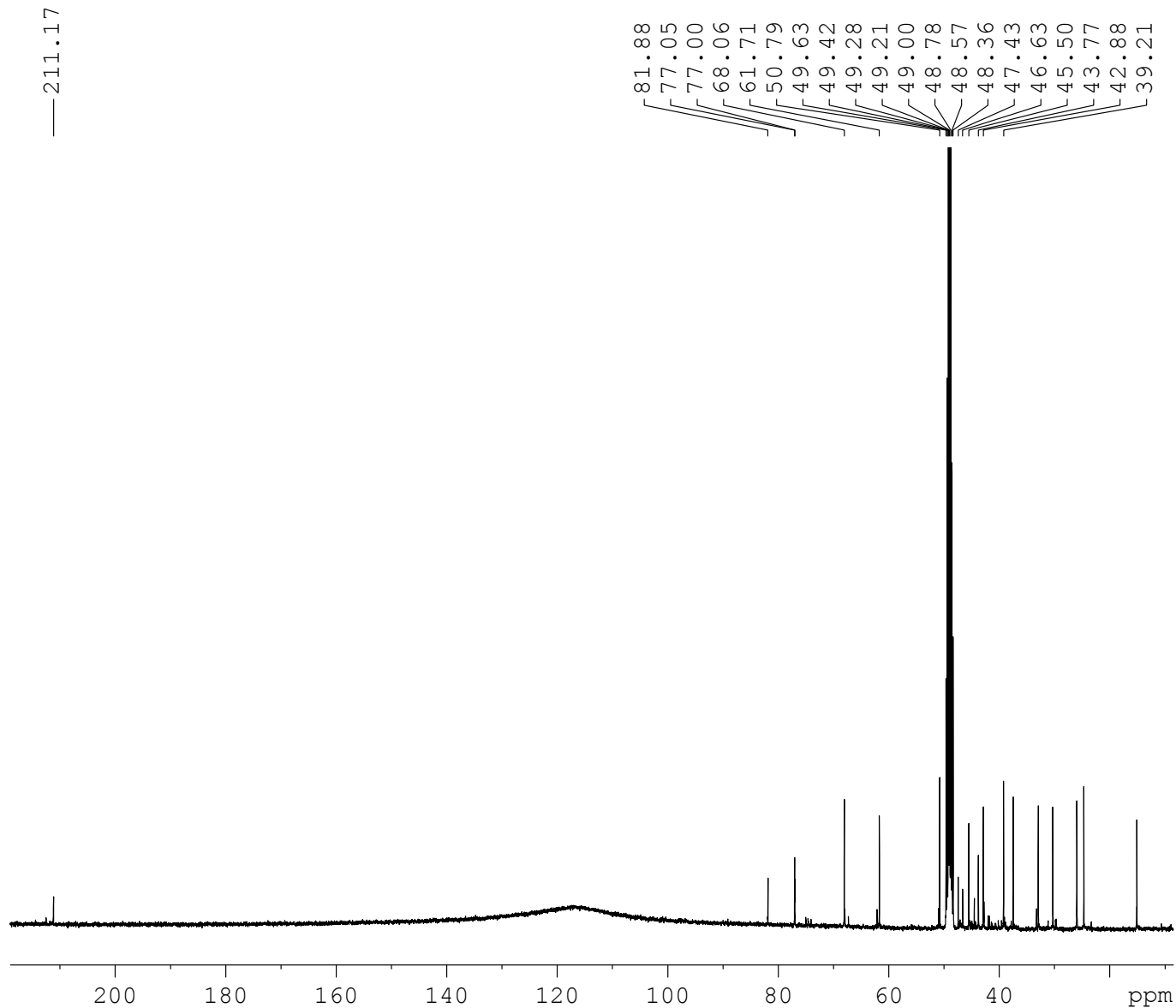
Current Data Parameters
NAME compound8
EXPNO 6
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140124
Time_ 21.55
INSTRUM spect
PROBHD 5 mm SEI 1H-13
PULPROG zgpg
TD 32768
SOLVENT MeOD
NS 20480
DS 2
SWH 24154.590 Hz
FIDRES 0.737140 Hz
AQ 0.6782976 sec
RG 32768
DW 20.700 usec
DE 6.50 usec
TE 298.0 K
D1 1.5000000 sec
D11 0.03000000 sec
TDO 20

==== CHANNEL f1 =====
NUC1 13C
P1 12.30 usec
PL1 -6.00 dB
SFO1 100.5991916 MHz

==== CHANNEL f2 =====
CPDPRG[2] waltz16
NUC2 1H
PCPD2 75.00 usec
PL2 3.00 dB
PL12 20.00 dB
PL13 22.00 dB
SFO2 400.0320001 MHz

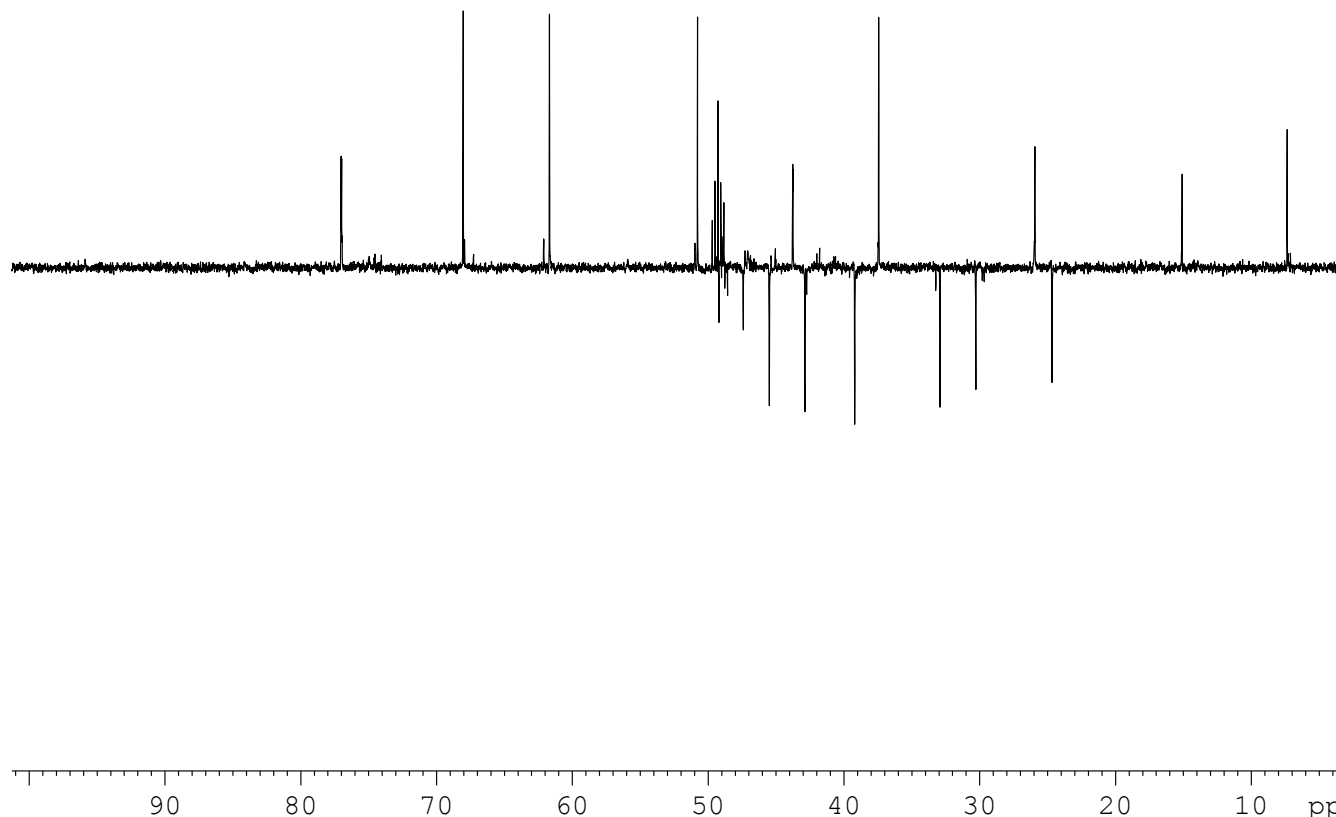
F2 - Processing parameters
SI 16384
SF 100.5874816 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00



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DEP135#//



77.0
77.0
68.0
61.0
50.0
49.0
49.0
49.0
48.0
47.0
45.0
43.0
42.0
39.0
37.0
32.0
30.0
25.0
24.0
15.0



Current Data Parameters
NAME compound8
EXPNO 7
PROCNO 1

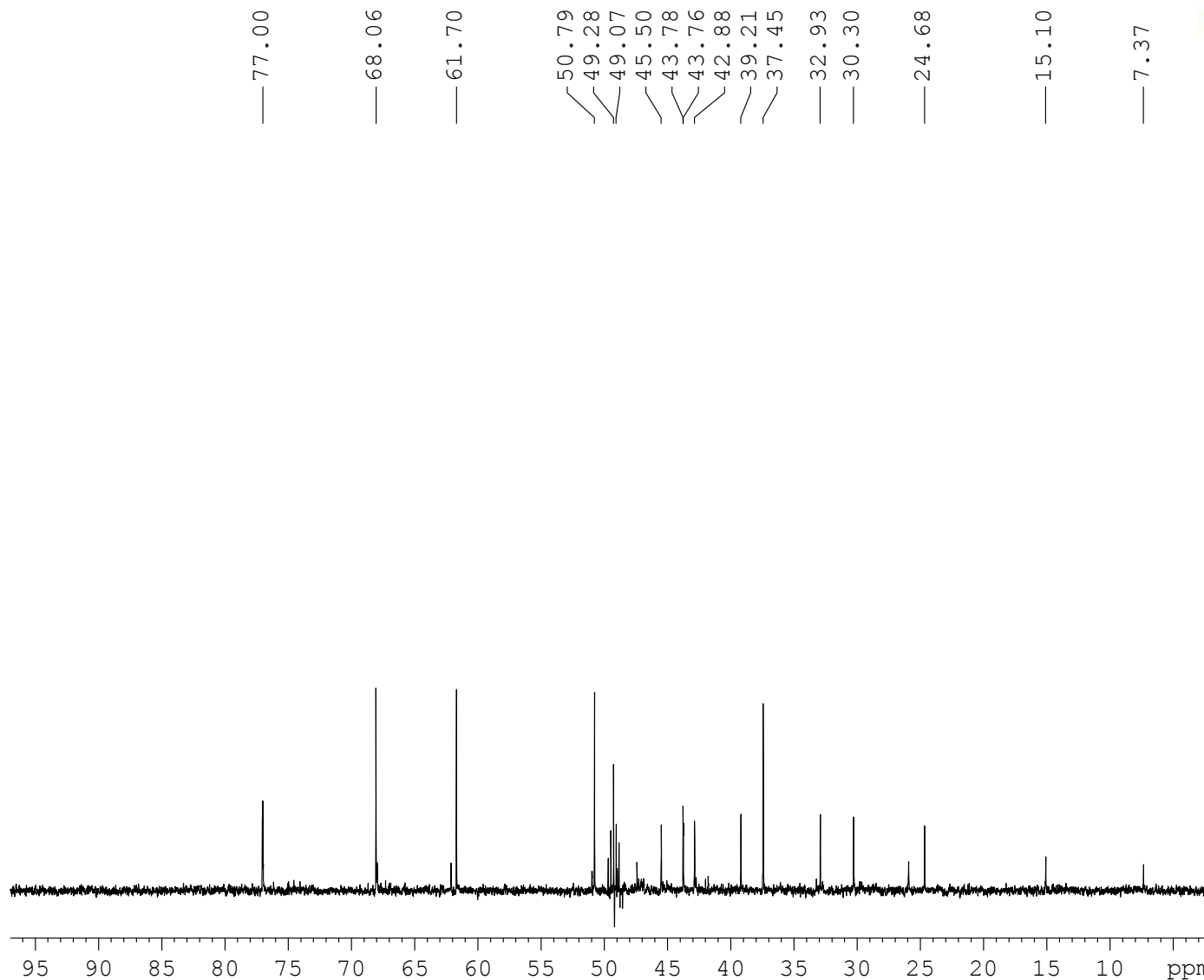
F2 - Acquisition Parameters
Date_ 20140125
Time_ 10.42
INSTRUM spect
PROBHD 5 mm SEI 1H-13
PULPROG dept135
TD 32768
SOLVENT MeOD
NS 10240
DS 2
SWH 20080.320 Hz
FIDRES 0.612803 Hz
AQ 0.8159232 sec
RG 16384
DW 24.900 usec
DE 6.50 usec
TE 298.1 K
CNST2 145.0000000
D1 1.5000000 sec
D2 0.00344828 sec
D12 0.00002000 sec
TD0 10

==== CHANNEL f1 =====
NUC1 13C
P1 12.30 usec
P2 24.60 usec
PL1 -6.00 dB
SFO1 100.5971798 MHz

==== CHANNEL f2 =====
CPDPRG[2] waltz16
NUC2 1H
P3 10.50 usec
P4 21.00 usec
PCPD2 75.00 usec
PL2 3.00 dB
PL12 20.00 dB
SFO2 400.0320001 MHz

F2 - Processing parameters
SI 16384
SF 100.5874816 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.20

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DEPT90#



Current Data Parameters
NAME compound8
EXPNO 8
PROCNO 1

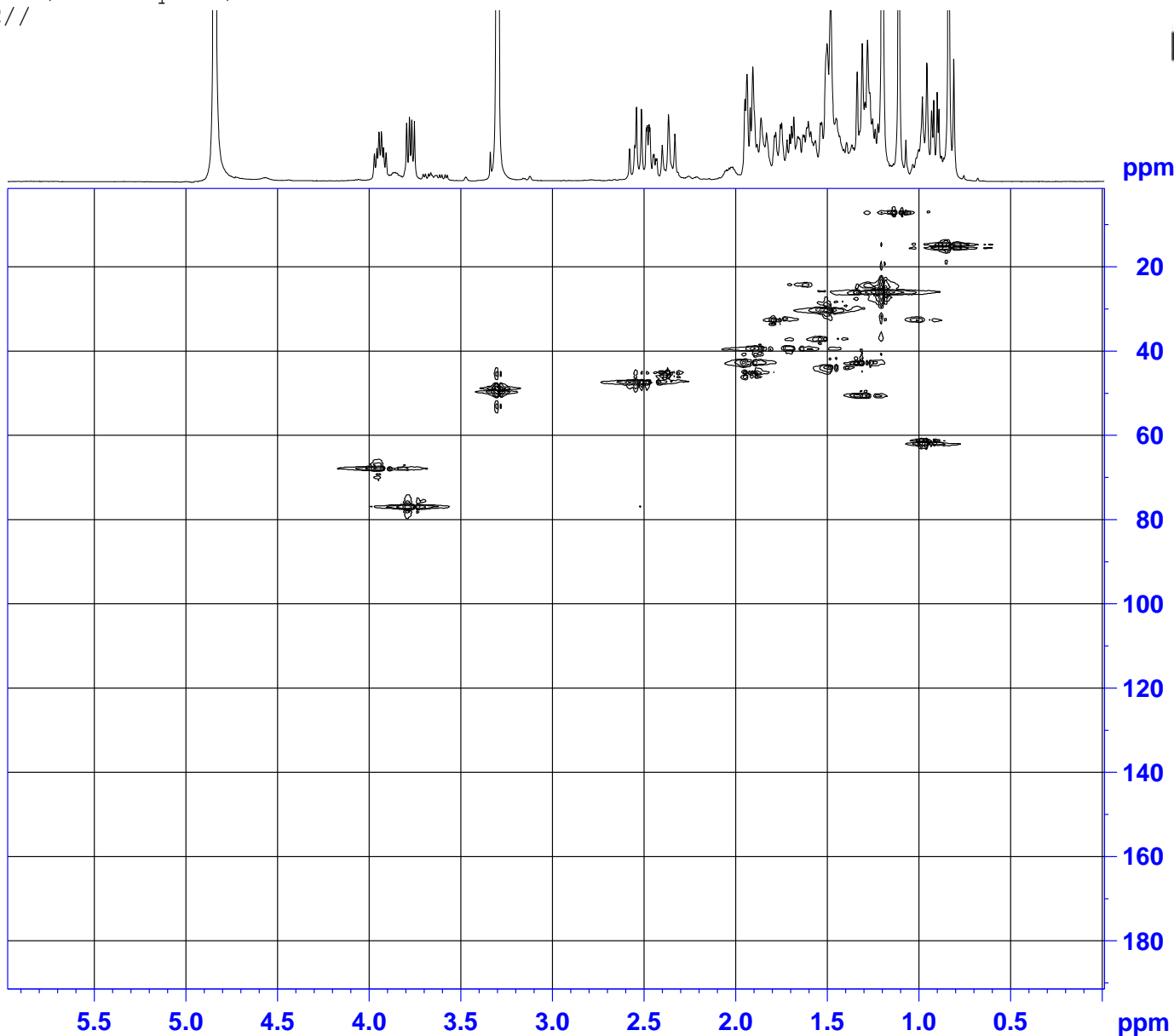
F2 - Acquisition Parameters
Date_ 20140125
Time_ 17.25
INSTRUM spect
PROBHD 5 mm SEI 1H-13
PULPROG dept90
TD 32768
SOLVENT MeOD
NS 5120
DS 2
SWH 20080.320 Hz
FIDRES 0.612803 Hz
AQ 0.8159232 sec
RG 16384
DW 24.900 usec
DE 6.50 usec
TE 297.7 K
CNST2 145.0000000
D1 1.50000000 sec
D2 0.00344828 sec
D12 0.00002000 sec
TD0 5

==== CHANNEL f1 =====
NUC1 13C
P1 12.30 usec
P2 24.60 usec
PL1 -6.00 dB
SFO1 100.5971798 MHz

==== CHANNEL f2 =====
CPDPRG[2] waltz16
NUC2 1H
P3 10.50 usec
P4 21.00 usec
PCPD2 75.00 usec
PL2 3.00 dB
PL12 20.00 dB
SFO2 400.0320001 MHz

F2 - Processing parameters
SI 16384
SF 100.5874816 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.20

Nusrat / Dr. Iqbal / NH-ST-4
HSQC//



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Current Data Parameters
NAME      compound8
EXPNO    4
PROCNO   1

F2 - Acquisition Parameters
Date_    20140124
Time     3.01
INSTRUM  spect
PROBHD   5 mm SEI 1H-13
PULPROG  hsqcetgpsi
TD        1024
SOLVENT  MeOD
NS        64
DS        2
SWH       3591.954 Hz
FIDRES    3.507768 Hz
AQ        0.1425408 sec
RG        14596.5
DW        139.200 usec
DE        6.50 usec
TE        298.0 K
CNST2    145.000000
D0        0.00000300 sec
D1        1.50000000 sec
D4        0.00172414 sec
D11       0.03000000 sec
D13       0.00000400 sec
D16       0.00010000 sec
D24       0.00110000 sec
IN0       0.00002615 sec
ZGPTNS

===== CHANNEL f1 =====
NUC1      1H
P1        10.80 usec
P2        21.60 usec
P28       2000.00 usec
PL1       3.00 dB
SFO1      400.0318001 MHz

===== CHANNEL f2 =====
CPDPRG2  garp
NUC2      13C
P3        11.40 usec
P4        22.80 usec
PCPD2    80.00 usec
PL2       -6.00 dB
PL12     17.00 dB
SFO2     100.5971798 MHz

===== GRADIENT CHANNEL =====
GPNAM[1] SINE.100
GPNAM[2] SINE.100
GF21     80.00 %
GF22     20.10 %
P16      1000.00 usec

F1 - Acquisition parameters
TD        256
SFO1     100.5972 MHz
FIDRES    149.323944 Hz
SW        190.000 ppm
FnMODE    Echo-Antiecho

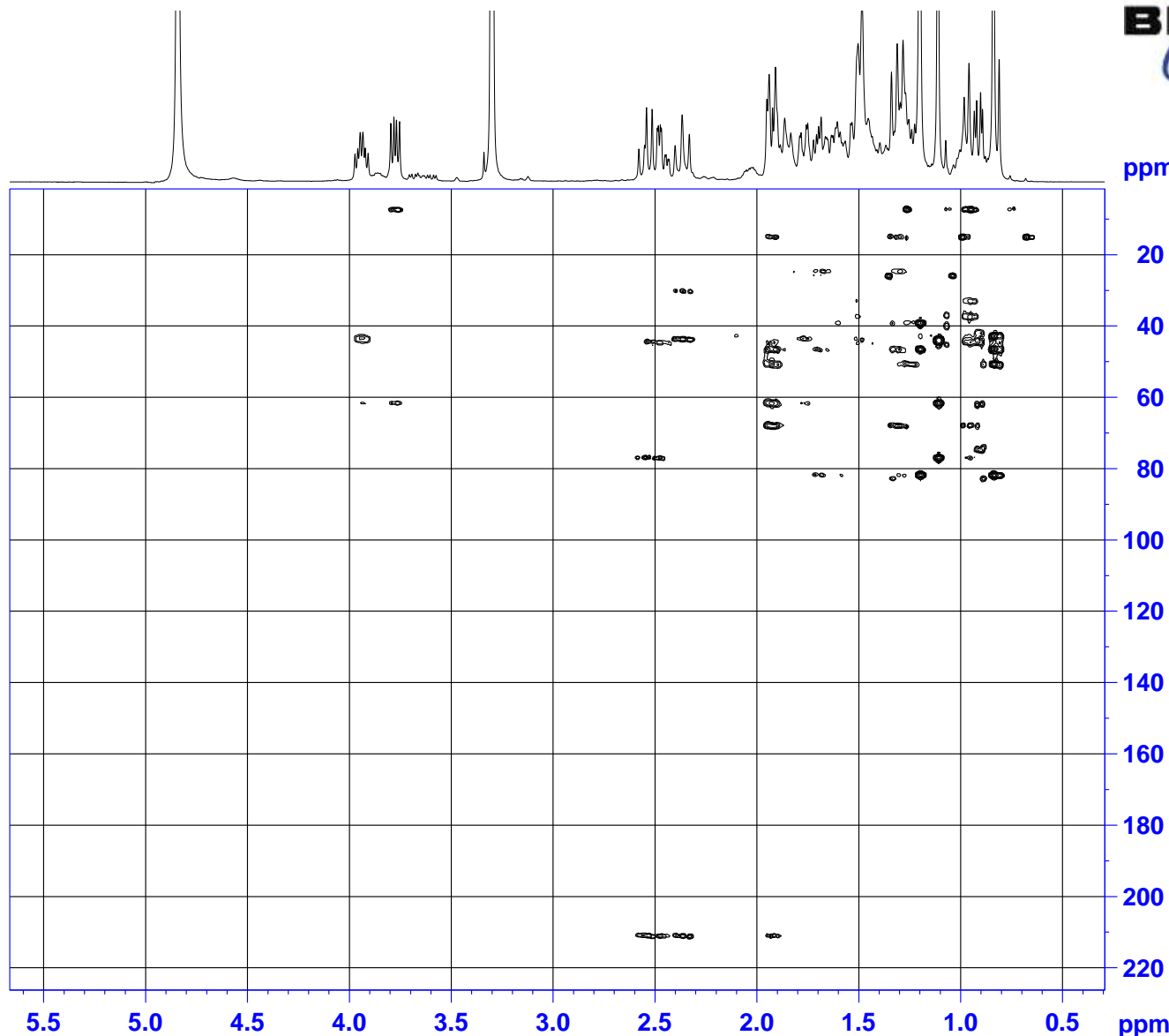
F2 - Processing parameters
SI        1024
SF        400.0300067 MHz
WDW       SINE
SSB       2
LB        0 Hz
GB        0
PC        4.00

F1 - Processing parameters
SI        1024
MC2       echo-antiecho
SF        100.5874816 MHz
WDW       SINE
SSB       2
LB        0 Hz
GB        0
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HMBC/



Current Data Parameters
NAME compound8
EXPNO 5
PROCNO 1



F2 - Acquisition Parameters
Date_ 20140124
Time 10.37
INSTRUM spect
PROBHD 5 mm SEI 1H-13
PULPROG hmbcsglpndqf
TD 2048
SOLVENT MeOD
NS 64
DS 2
SWH 3591.954 Hz
FIDRES 1.753884 Hz
AQ 0.2850816 sec
RG 14596.5
DW 139.200 usec
DE 6.50 usec
TE 298.1 K
CNST2 145.0000000
CNST13 10.0000000
D0 0.00000300 sec
D1 2.00000000 sec
D2 0.00344828 sec
D6 0.05000000 sec
D16 0.00010000 sec
IN0 0.00002160 sec

==== CHANNEL f1 =====
NUC1 1H
P1 10.80 usec
P2 21.60 usec
PL1 3.00 dB
SFO1 400.0318001 MHz

==== CHANNEL f2 =====
NUC2 13C
P3 11.40 usec
PL2 -6.00 dB
SFO2 100.5991916 MHz

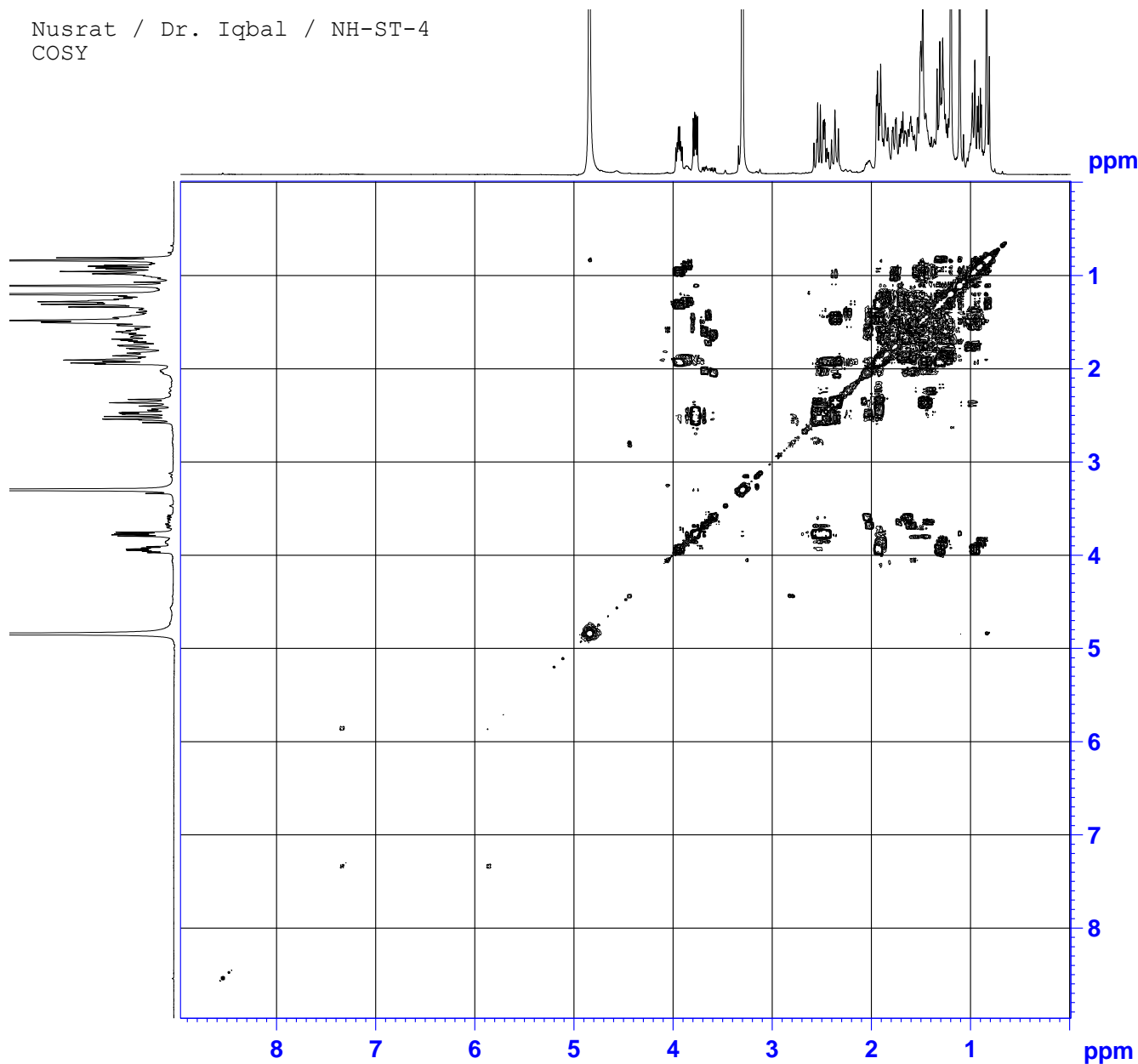
===== GRADIENT CHANNEL =====
GPNAM[1] SINE.100
GPNAM[2] SINE.100
GPNAM[3] SINE.100
GPZ1 50.00 %
GPZ2 30.00 %
GPZ3 40.10 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 100.5992 MHz
FIDRES 180.764175 Hz
SW 230.000 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 400.0300087 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0
PC 4.00

F1 - Processing parameters
SI 1024
MC2 QF
SF 100.5874816 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0

Nusrat / Dr. Iqbal / NH-ST-4
COSY



Current Data Parameters
NAME compound8
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140123
Time_ 15.46
INSTRUM spect
PROBHD 5 mm SEI 1H-13
PULPROG cosygpgf
TD 2048
SOLVENT MeOD
NS 32
DS 8
SWH 3591.954 Hz
FIDRES 1.753884 Hz
AQ 0.2850816 sec
RG 128
DW 139.200 usec
DE 6.50 usec
TE 298.5 K
D0 0.00000300 sec
D1 1.50000000 sec
D13 0.00000400 sec
D16 0.00010000 sec
IN0 0.00027840 sec

==== CHANNEL f1 =====
NUC1 1H
P0 10.80 usec
P1 10.80 usec
PL1 3.00 dB
SF01 400.0318001 MHz

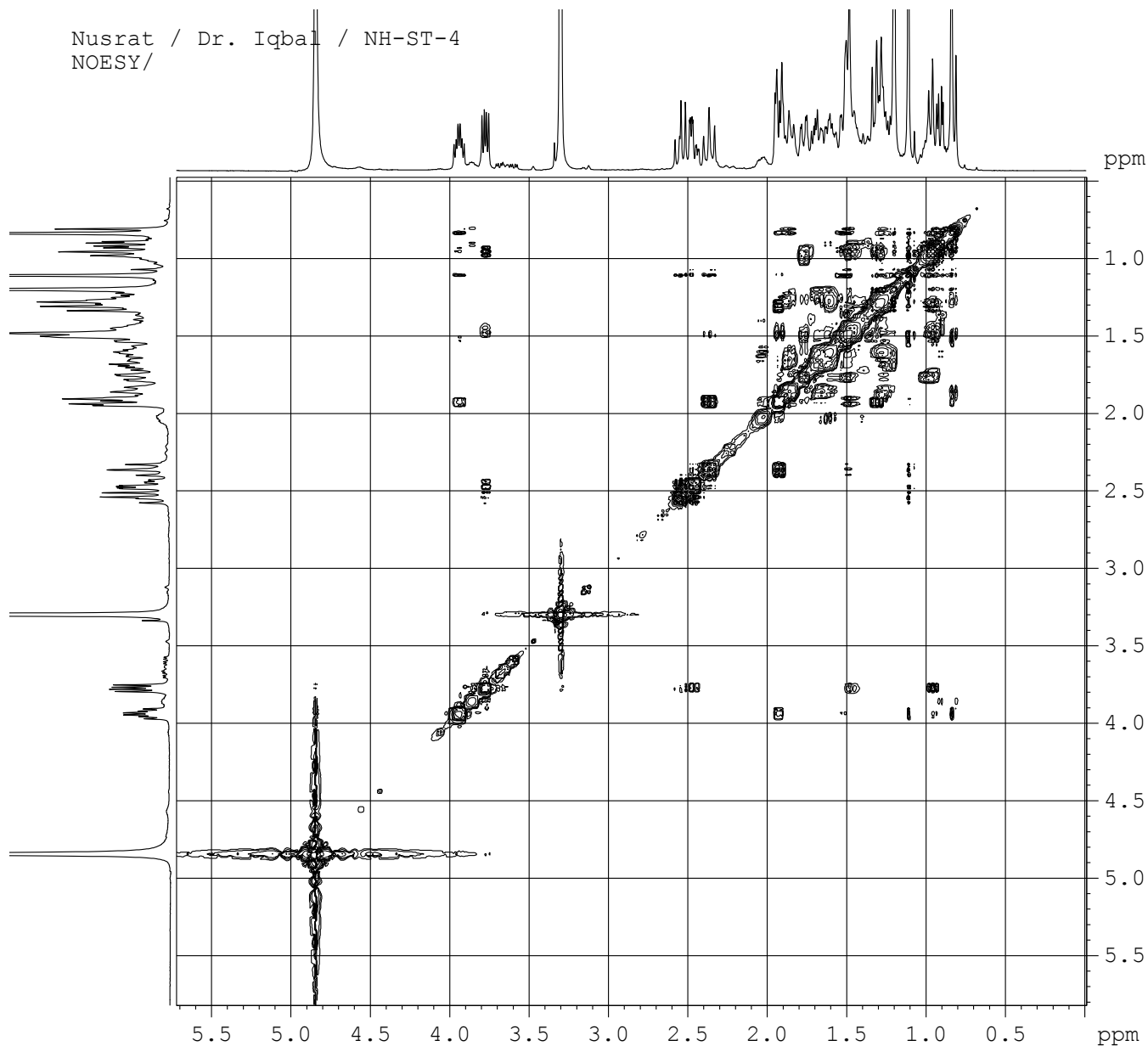
===== GRADIENT CHANNEL =====
GPNAM[1] SINE.100
GPZ1 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SF01 400.0318 MHz
FIDRES 28.062141 Hz
SW 8.979 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 400.0300087 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0
PC 4.00

F1 - Processing parameters
SI 1024
MC2 QF
SF 400.0300087 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0

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NOESY/



Current Data Parameters
NAME compound8
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140123
Time 19.57
INSTRUM spect
PROBHD 5 mm SEI 1H-13
PULPROG noesygpph
TD 2048
SOLVENT MeOD
NS 32
DS 8
SWH 3591.954 Hz
FIDRES 1.753884 Hz
AQ 0.2850816 sec
RG 181
DW 139.200 usec
DE 6.50 usec
TE 298.5 K
D0 0.00012545 sec
D1 2.00000000 sec
D8 0.80000001 sec
D16 0.00010000 sec
IN0 0.00027840 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.80 usec
P2 21.60 usec
PL1 3.00 dB
SFO1 400.0318001 MHz

===== GRADIENT CHANNEL =====
GPNAM[1] SINE.100
GPNAM[2] SINE.100
GPZ1 40.00 %
GPZ2 -40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 400.0318 MHz
FIDRES 28.062141 Hz
SW 8.979 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 400.0300087 MHz
WDW SINE
SSB 2
LB 0 Hz
GB 0
PC 4.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 400.0300087 MHz
WDW SINE
SSB 2
LB 0 Hz
GB 0