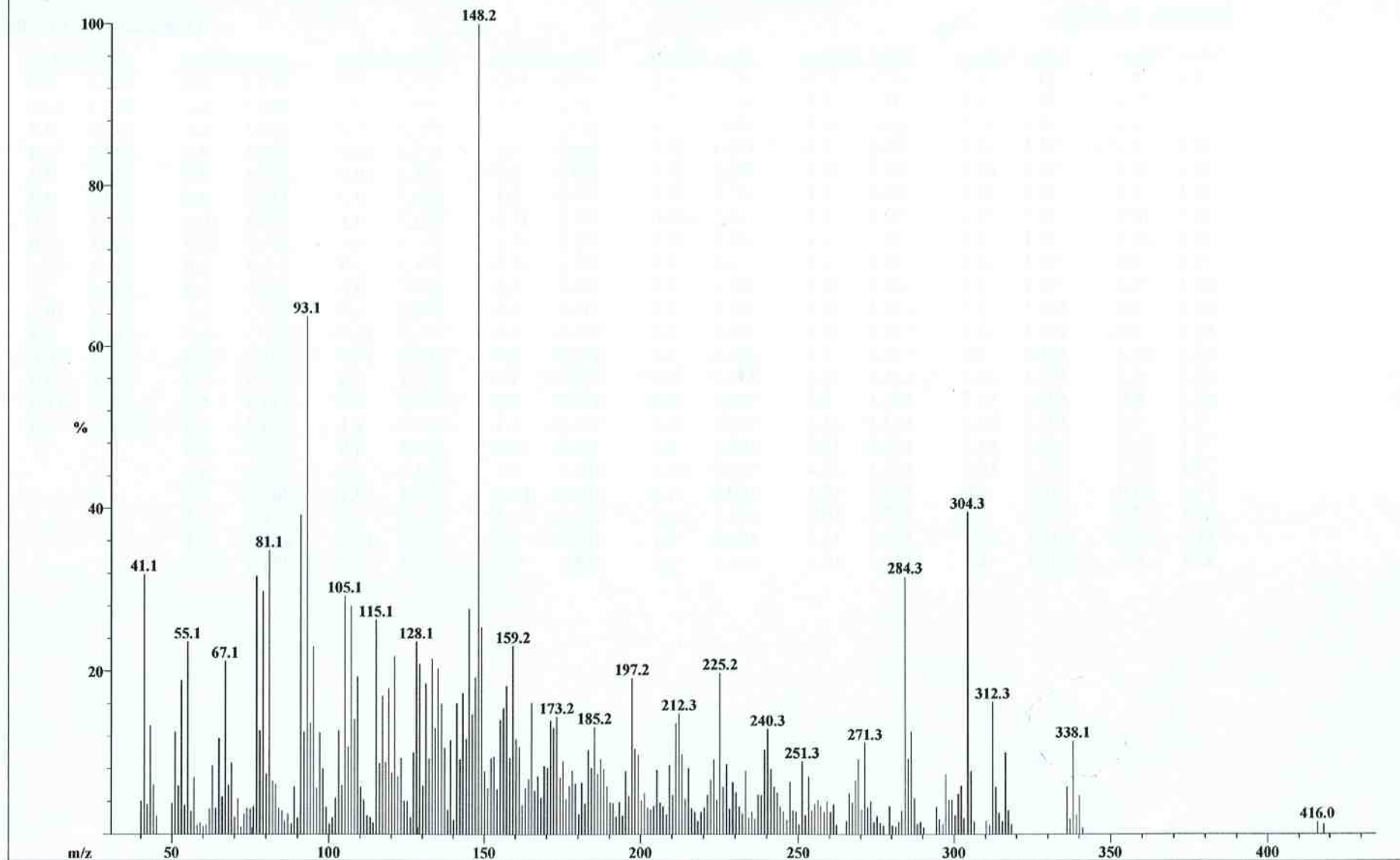


Scan: 10

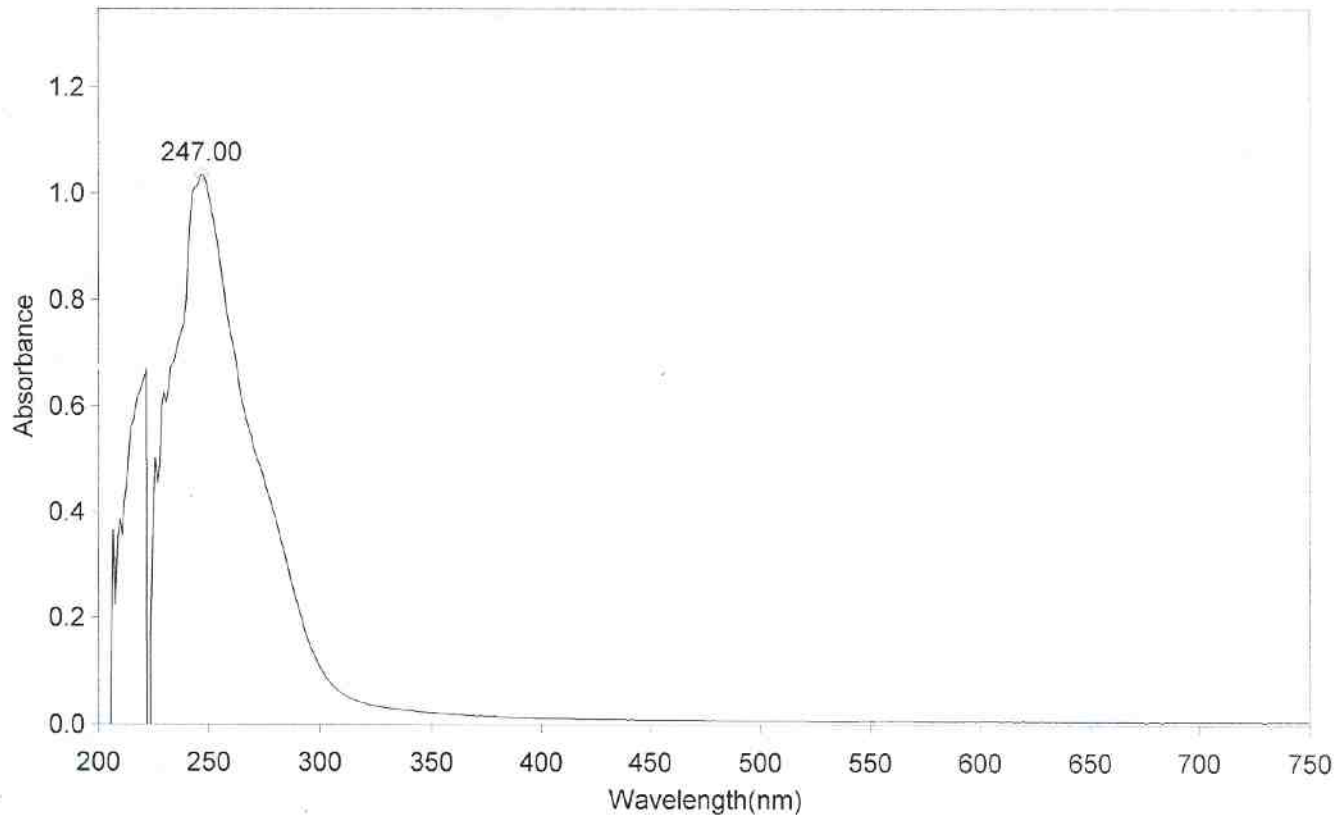
R.T.: .8

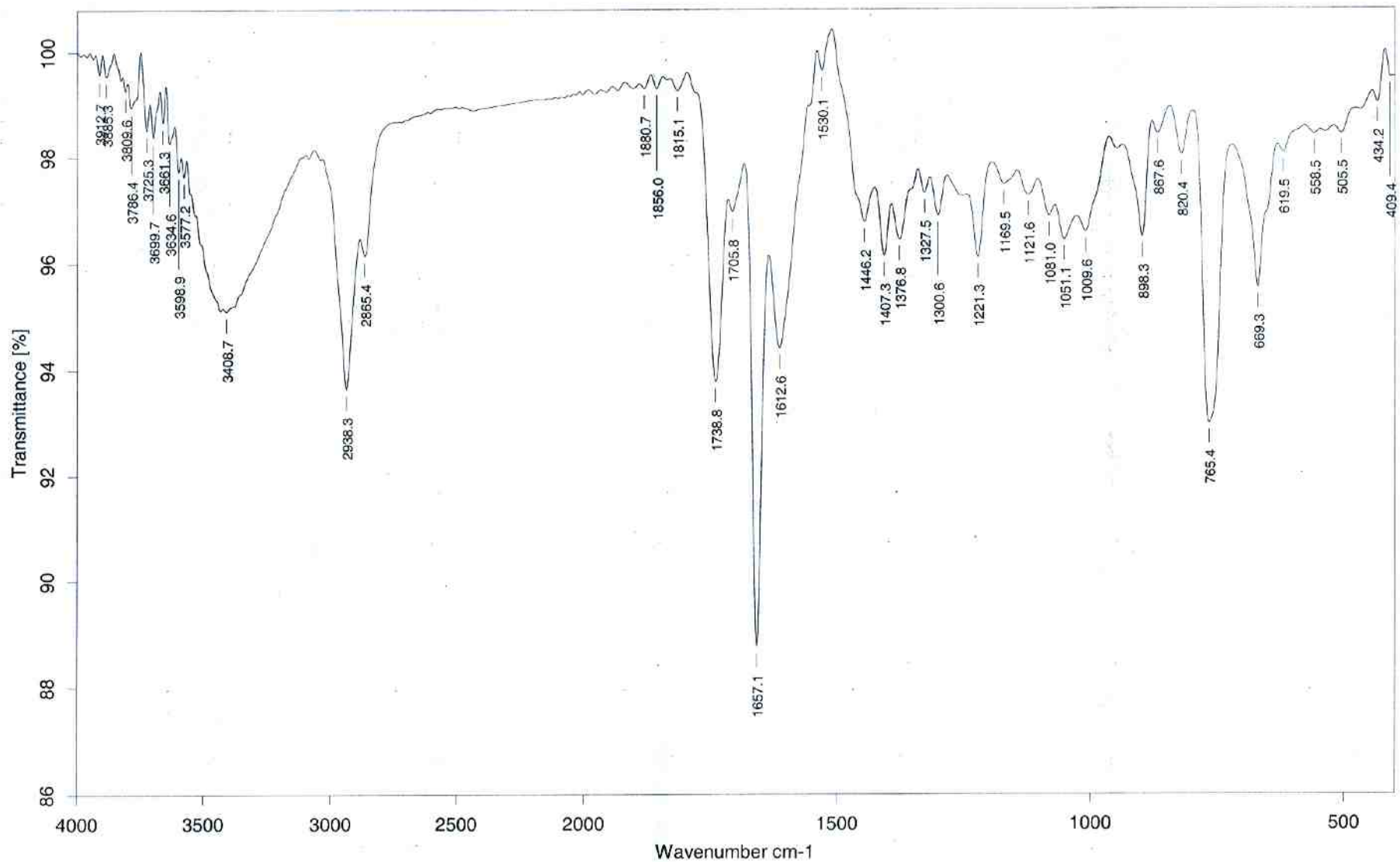
Base: m/z 148; 42.9%FS TIC: 10394920

#Ions: 276



Scan Graph

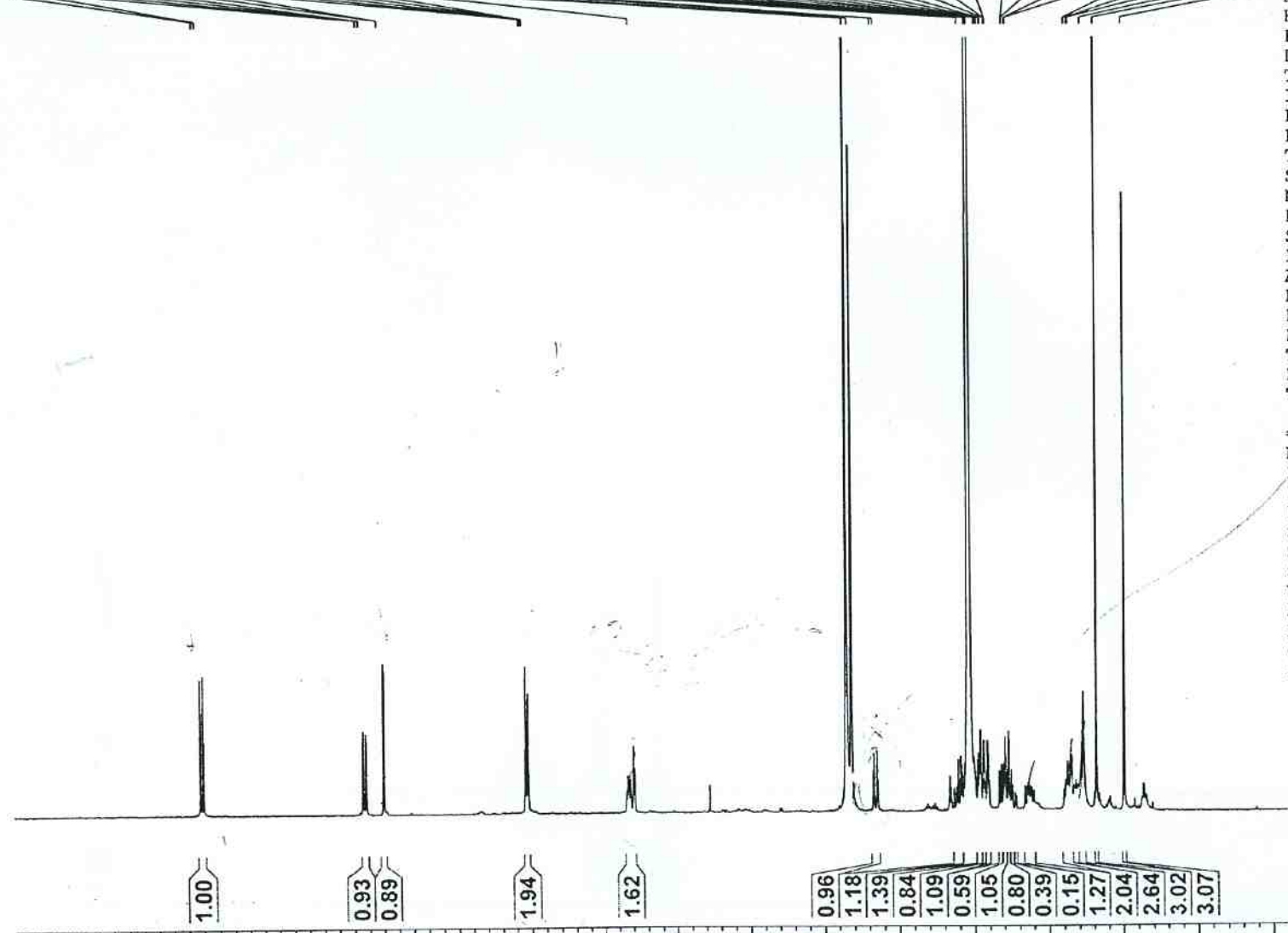




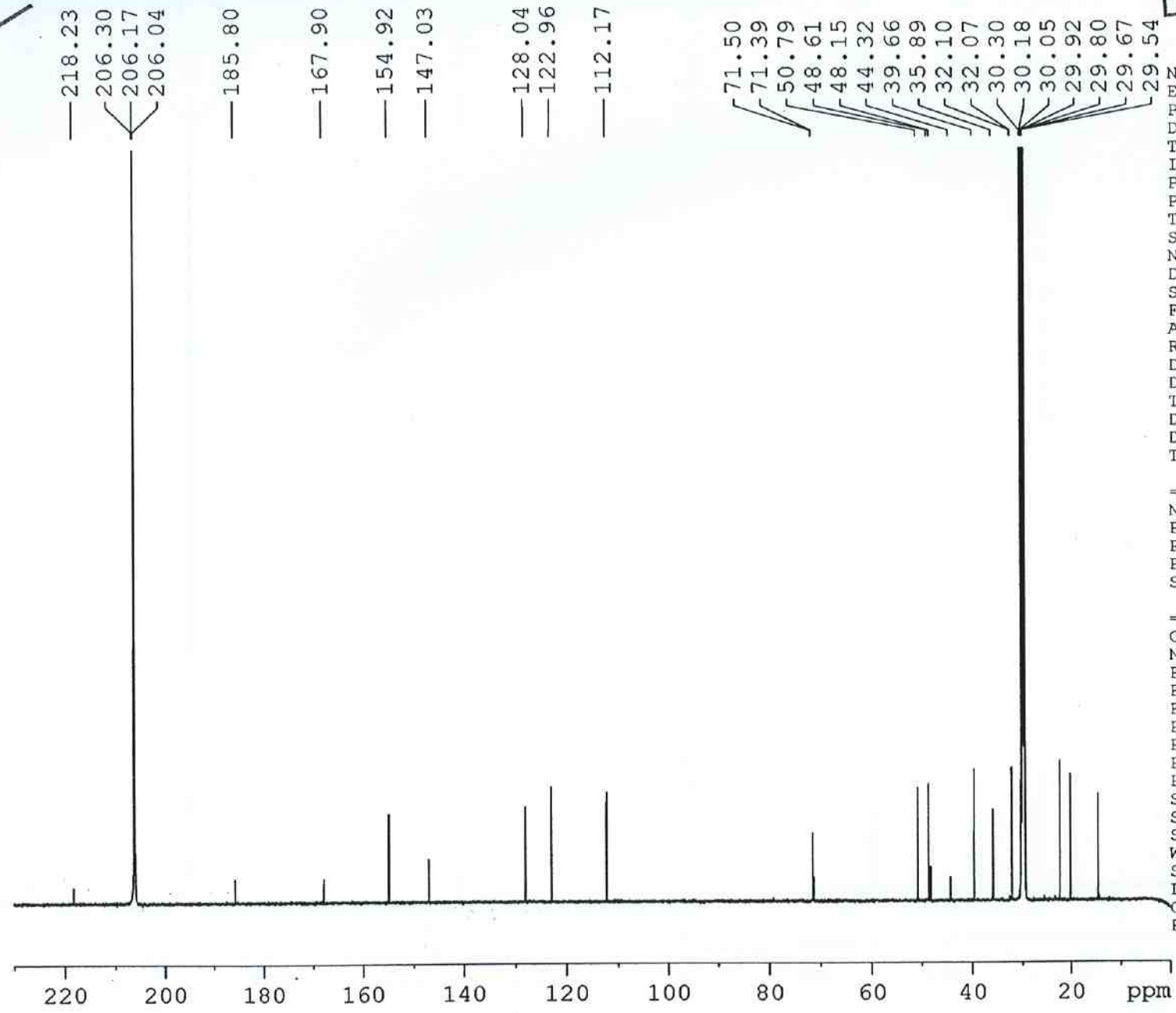
7.221
7.200
6.144
6.140
6.123
6.120
6.004
6.000
5.044
5.040
5.036
5.027
5.023
4.299
2.855
2.821
2.670
2.651
2.094
2.049
2.044
2.040
2.036
2.031
1.983
1.977
1.967
1.962
1.947
1.942
1.938
1.917
1.912
1.908
1.797
1.795
1.776
1.772
1.382
1.362
1.353
1.275
1.187
0.996

NAME mar09-12
EXPNO 1
PROCNO 1
Date_ 20120309
Time_ 10.47
INSTRUM spect
PROBHD 5 mm CPDUL 13C
PULPROG zg30
TD 32768
SOLVENT Acetone
NS 32
DS 0
SWH 10000.000 Hz
FIDRES 0.305176 Hz
AQ 1.6385000 sec
RG 8
DW 50.000 usec
DE 6.50 usec
TE 293.1 K
D1 1.50000000 sec
TDO 1

==== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 2.00 dB
PL1W 11.25274181 W
SFO1 500.3335023 MHz
SI 32768
SF 500.3300136 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 ppm



```

NAME          mar10-12
EXPNO         9
PROCNO        1
Date_         20120311
Time_         2.50
INSTRUM       spect
PROBHD        5 mm CPTCI 1H-
PULPROG       zgpg
TD            65536
SOLVENT       Acetone
NS            12288
DS            2
SWH           35971.223 Hz
FIDRES        0.548877 Hz
AQ            0.9110143 sec
RG            32768
DW            13.900 usec
DE            6.50 usec
TE            294.2 K
D1            1.50000000 sec
D11           0.03000000 sec
TD0           12

===== CHANNEL f1 =====
NUC1          13C
P1            16.00 usec
PL1           2.00 dB
PL1W          66.40702820 W
SFO1          150.9453107 MHz

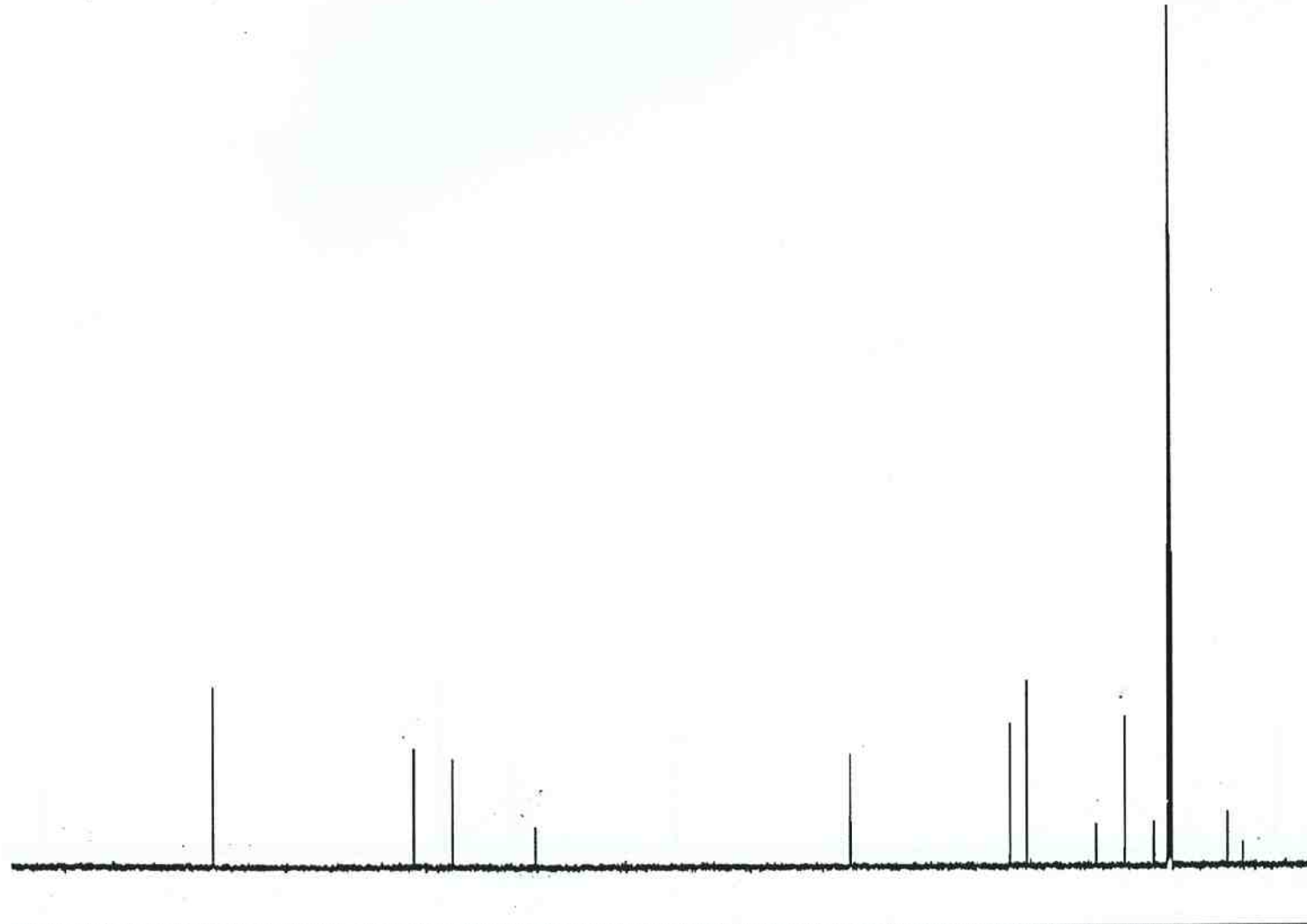
===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         65.00 usec
PL2           3.30 dB
PL12          22.06 dB
PL13          27.00 dB
PL2W          9.16420078 W
PL12W         0.12192553 W
PL13W         0.03909260 W
SFO2          600.2336014 MHz
SI            32768
SF            150.9278294 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.40

```

—154.92
 —128.04
 —122.97
 —112.17

<71.50
 <71.39

50.79
 48.61
 39.66
 35.89
 32.10
 32.07
 30.30
 30.17
 29.92
 29.79
 22.27
 20.11

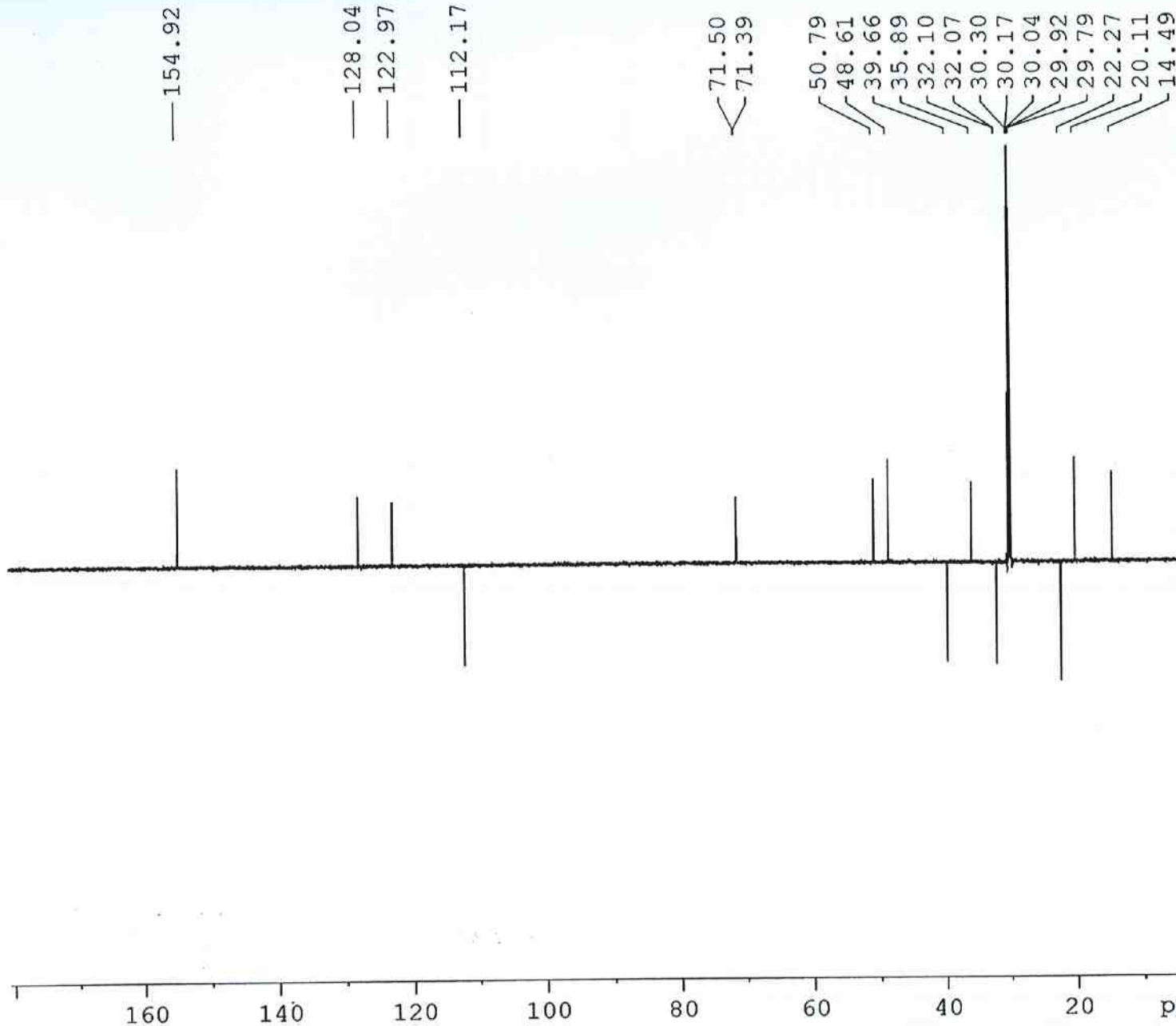


NAME mar10-12
 EXPNO 11
 PROCNO 1
 Date_ 20120311
 Time_ 15.49
 INSTRUM spect
 PROBHD 5 mm CPTCI 1H-
 PULPROG deptsp90
 TD 65536
 SOLVENT Acetone
 NS 4096
 DS 2
 SWH 30303.031 Hz
 FIDRES 0.462388 Hz
 AQ 1.0814105 sec
 RG 32768
 DW 16.500 usec
 DE 6.50 usec
 TE 294.6 K
 CNST2 145.0000000
 D1 1.50000000 sec
 D2 0.00344828 sec
 D12 0.00002000 sec
 TD0 4

==== CHANNEL f1 =====
 NUC1 13C
 P1 16.00 usec
 P12 2000.00 usec
 PLO 120.00 dB
 PL1 2.00 dB
 PLOW 0.00000000 W
 PL1W 66.40702820 W
 SFO1 150.9430463 MHz
 SP2 1.99 dB
 SPNAM2 Crp60comp.4
 SPOAL2 0.500
 SPOFFS2 0.00 Hz

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 P3 7.50 usec
 P4 15.00 usec
 PCPD2 65.00 usec
 PL2 3.30 dB
 PL12 22.06 dB
 PL2W 9.16420078 W
 PL12W 0.12192553 W
 SFO2 600.2324009 MHz
 SI 32768
 SF 150.9278294 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 ppm



NAME mar10-12
 EXPNO 10
 PROCNO 1
 Date 20120311
 Time 11.19
 INSTRUM spect
 PROBHD 5 mm CPTCI 1H-
 PULPROG deptspl35
 TD 65536
 SOLVENT Acetone
 NS 6144
 DS 2
 SWH 30303.031 Hz
 FIDRES 0.462388 Hz
 AQ 1.0814105 sec
 RG 32768
 DW 16.500 usec
 DE 6.50 usec
 TE 294.4 K
 CNST2 145.0000000
 D1 1.50000000 sec
 D2 0.00344828 sec
 D12 0.00002000 sec
 TDO 6

===== CHANNEL f1 =====
 NUC1 13C
 P1 16.00 usec
 P12 2000.00 usec
 PL0 120.00 dB
 PL1 2.00 dB
 PLOW 0.00000000 W
 PL1W 66.40702820 W
 SFO1 150.9430463 MHz
 SP2 1.99 dB
 SPNAM2 Crp60comp.4
 SPOAL2 0.500
 SPOFFS2 0.00 Hz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 P3 7.50 usec
 P4 15.00 usec
 PCPD2 65.00 usec
 PL2 3.30 dB
 PL12 22.06 dB
 PL2W 9.16420078 W
 PL12W 0.12192553 W
 SFO2 600.2324009 MHz
 SI 32768
 SF 150.9278294 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 1.40



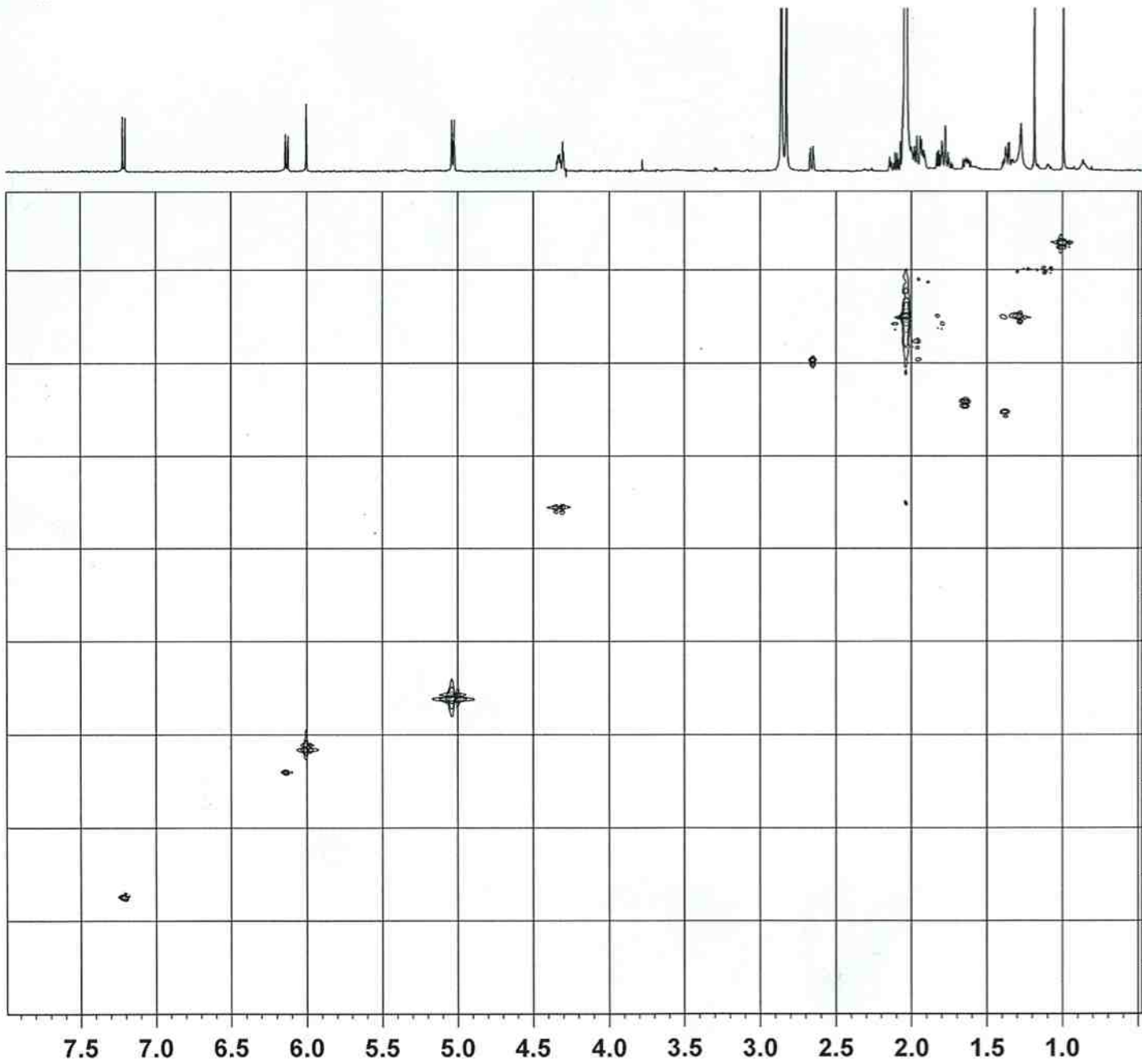
```

NAME          mar10-12
EXPNO         7
PROCNO        1
Date_         20120310
Time          18.02
INSTRUM       spect
PROBHD        5 mm CPTCI 1H-
PULPROG       hsqcetgps1
TD            1024
SOLVENT       Acetone
NS            32
DS            8
SWH           5387.931 Hz
FIDRES        5.261652 Hz
AQ            0.0951700 sec
RG            46341
DW            92.800 usec
DE            6.50 usec
TE            294.2 K
CNST2         145.0000000
D0            0.00000300 sec
D1            1.50000000 sec
D4            0.00172414 sec
D13           0.03000000 sec
D16           0.00000400 sec
D24           0.00015000 sec
DZ4           0.00110000 sec
IN0           0.00001655 sec
ZGQFTNS

----- CHANNEL f1 -----
NUC1          1H
P1            7.40 usec
P2            14.80 usec
P28           0.50 usec
PL1           3.30 dB
PL1W          9.16420078 W
SFO1          600.2326410 MHz

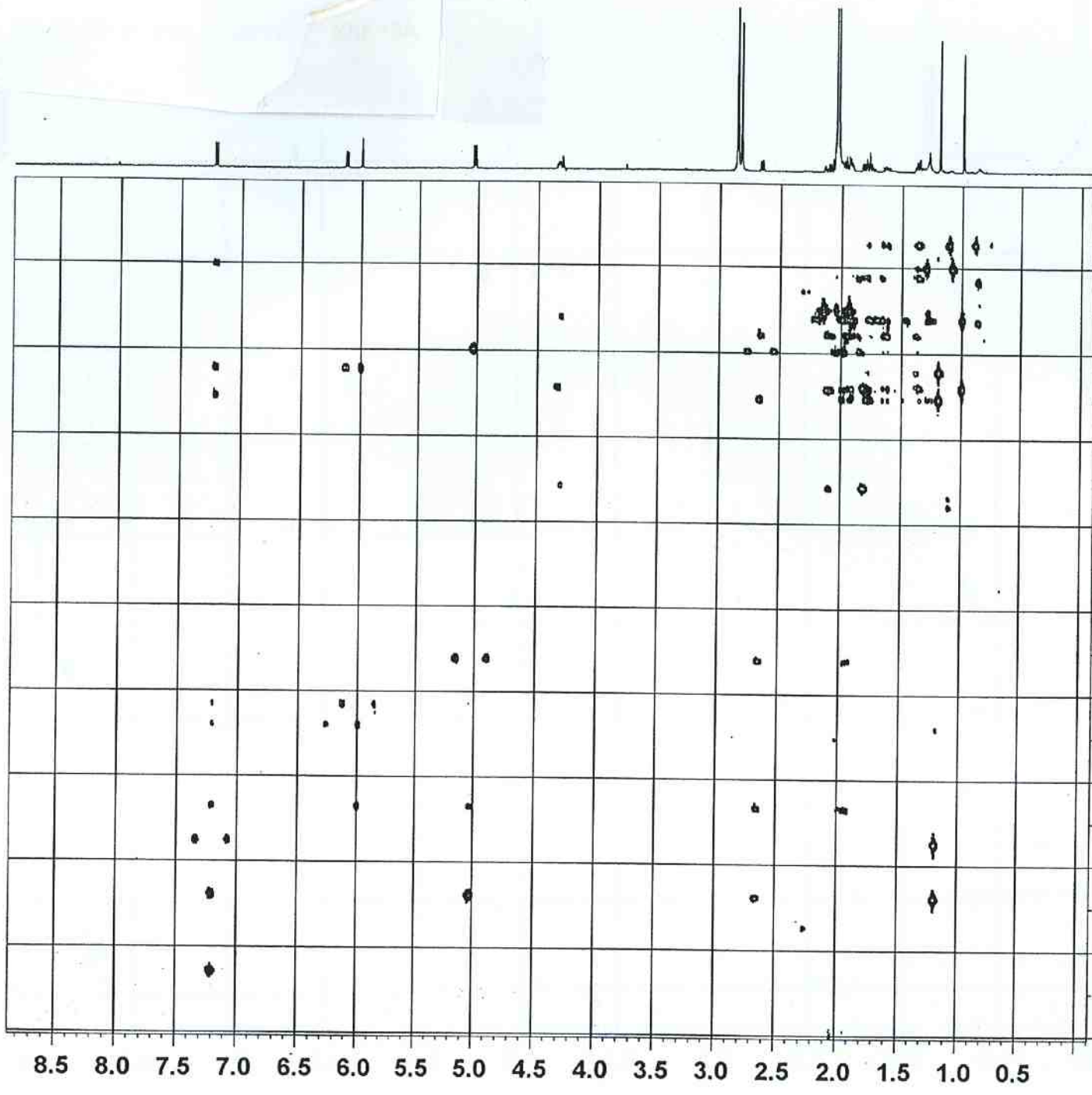
----- CHANNEL f2 -----
CPDPRG2       garp
NUC2          13C
P3            10.00 usec
P4            20.00 usec
PCPD2         60.00 usec
PL2           2.00 dB
PL12          17.56 dB
PL2W          66.40702820 W
PL12W         1.84592509 W
SFO2          150.9430468 MHz

----- GRADIENT CHANNEL -----
GPNAM1        SINE.100
GPNAM2        SINE.100
GPZ1          80.00 %
GPZ2          20.10 %
P16           2000.00 usec
NDO           2
TD            256
SFO1          150.943 MHz
FIDRES        117.924255 Hz
SW            200.000 ppm
FnMODE        Echo-Antiecho
SI            1024
SF            600.2300139 MHz
WFW           QSINE
SSB           2
LB            0.00 Hz
GB            0
PC            4.00
SI            1024
MC2           echo-antiecho
SF            150.9278294 MHz
WFW           QSINE
SSB           2
LB            0.00 Hz
GB            0
    
```



7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 ppm

AVANCE
 3mm CRYOPRO
 LAB NO: 108



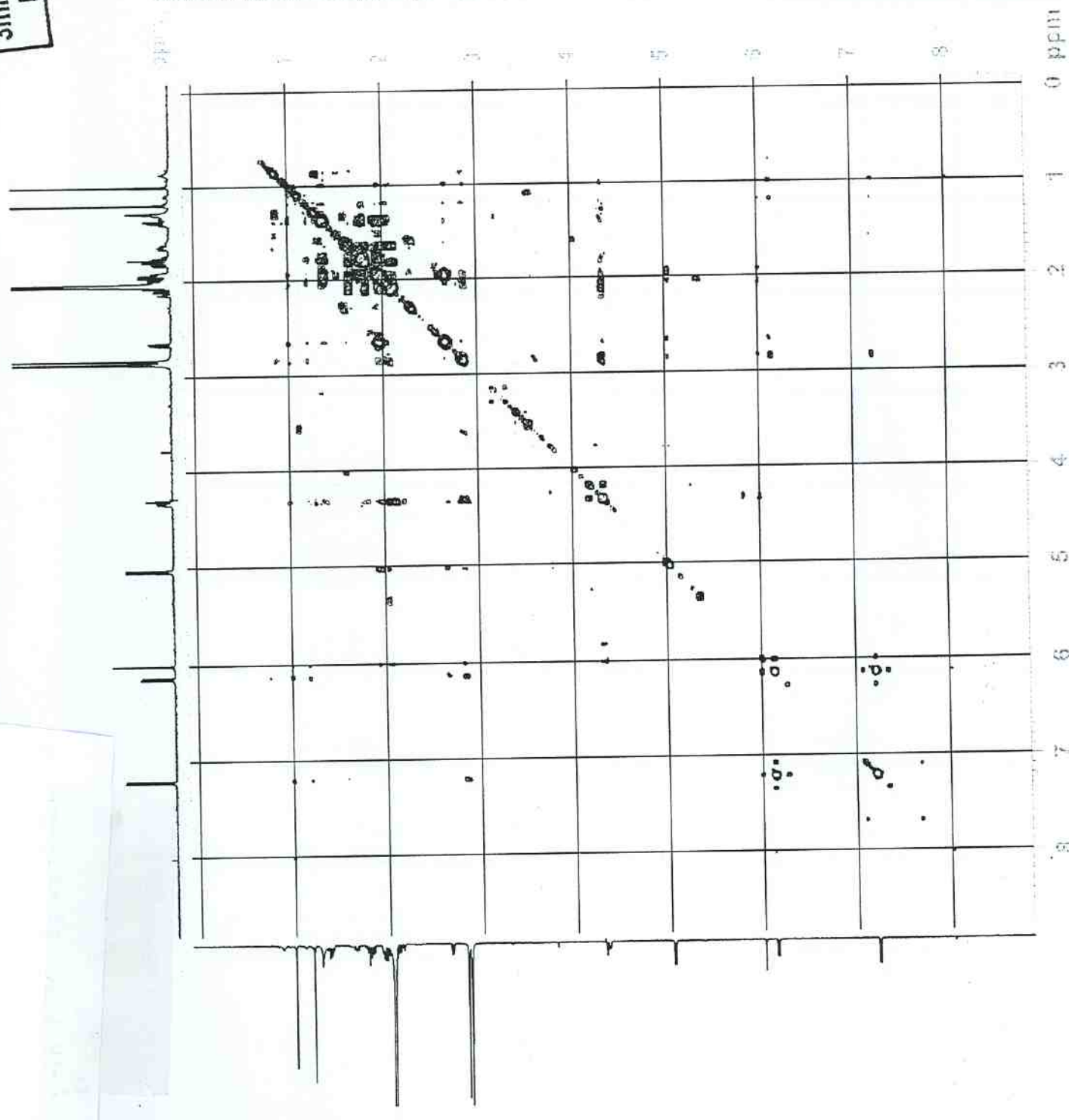
NAME mar10-12
 EXPNO 8
 PROCNO 1
 Date_ 20120310
 Time_ 21.44
 INSTRUM spect
 PROBHD 5 mm CPTCI 1H-
 PULPROG hmbcggplpndqf
 TD 4096
 SOLVENT Acetone
 NS 32
 DS 8
 SWH 5387.931 Hz
 FIDRES 1.315413 Hz
 AQ 0.3802516 sec
 RG 36780.8
 DW 92.800 usec
 DE 6.50 usec
 TE 294.3 K
 CNST2 145.0000000
 CNST13 13.0000000
 D0 0.00000300 sec
 D1 1.50000000 sec
 D2 0.00344828 sec
 D6 0.03846154 sec
 D16 0.00015000 sec
 IN0 0.00001440 sec

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.40 usec
 P2 14.80 usec
 PL1 3.30 dB
 PL1W 9.16420078 W
 SFO1 600.2326410 MHz

==== CHANNEL f2 =====
 NUC2 13C
 P3 10.00 usec
 PL2 2.00 dB
 PL2W 66.40702820 W
 SFO2 150.9453107 MHz

==== GRADIENT CHANNEL =====
 GPNAM1 SINE.100
 GPNAM2 SINE.100
 GPNAM3 SINE.100
 GPZ1 50.00 %
 GPZ2 30.00 %
 GPZ3 40.10 %
 P16 2000.00 usec
 NDO 2
 TD 256
 SFO1 150.9453 MHz
 FIDRES 135.614929 Hz
 SW 230.000 ppm
 FMODE QF
 SI 1024

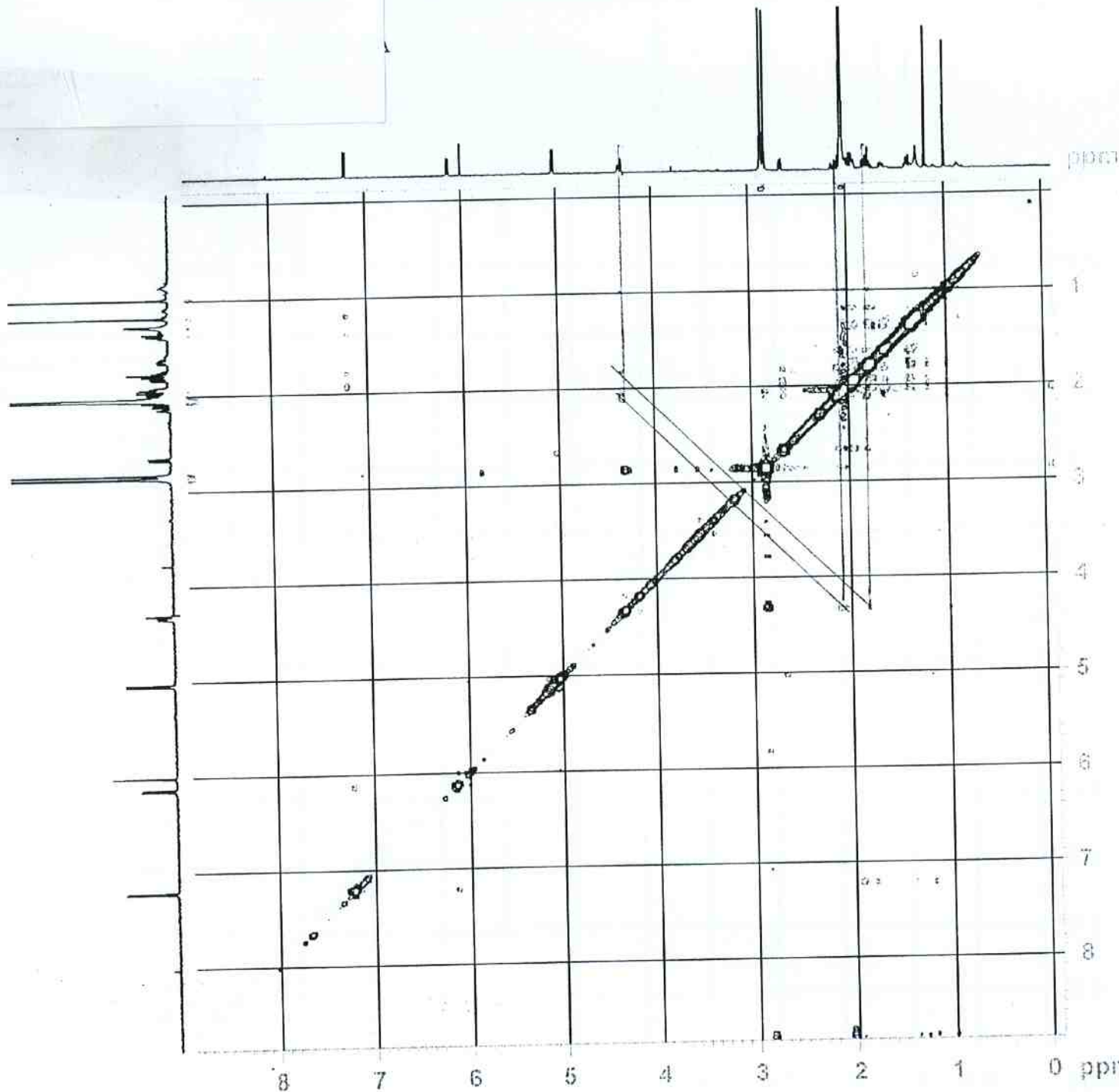
AVANCE AV-600-LC
3mm CRYOPROBE
LAB NO: 108



NAME mari0-12
 EXPNO 2
 PROCNO 1
 Date_ 20120310
 Time 12.31
 INSTRUM spect
 PROBD 5 mm CPTCI 1H-
 PULPROG cosydfq
 TD 2048
 SOLVENT Acetone
 NS 8
 DS 4
 SWH 5387.931 Hz
 FIDRES 2.630826 Hz
 AQ 0.1901972 sec
 RG 128
 DW 92.800 usec
 DE 6.50 usec
 TE 294.4 K
 D0 0.00000300 sec
 D1 1.50000000 sec
 D13 0.00000400 sec
 D20 0.00000200 sec
 IN0 0.00018560 sec

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.40 usec
 PL1 3.30 dB
 PL1W 9.16420078 W
 SF01 600.2326410 MHz
 NDO 1
 TD 256
 SF01 600.2326 MHz
 FIDRES 21.046606 Hz
 SW 8.976 ppm
 FmMODE QF
 SI 1024
 SF 600.2300139 MHz
 QSIINE QSINE
 WDW 0
 SSB 0.00 Hz
 LB 0
 GB 1.40
 PC 1024
 SI 1024
 MC2 QF
 SF 600.2300139 MHz
 QSIINE QSINE
 SSB 0
 LB 0.00 Hz
 GB 0

AVANCE AV-600-LC
3mm CRYOPROBE
LAB NO: 108



NAME mar10-12
 EXPNO 3
 PROCNO 1
 Date 20120310
 Time 13.30
 INSTRUM spect
 PROBHD 5 mm CPTCI 1H-
 PULPROG noesygpph
 TD 1024
 SOLVENT Acetone
 NS 8
 DS 4
 SWH 5387.931 Hz
 FIDRES 5.261652 Hz
 AQ 0.0951700 sec
 RG 181
 DW 92.800 usec
 DE 6.50 usec
 TE 294.3 K
 D0 0.00008338 sec
 D1 1.50000000 sec
 D8 0.80000001 sec
 D16 0.00015000 sec
 INO 0.00018560 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.40 usec
 P2 14.80 usec
 PL1 3.30 dB
 PL1W 9.16420078 W
 SFO1 600.2326410 MHz

===== GRADIENT CHANNEL =====
 GPNAM1 SINE.100
 GPNAM2 SINE.100
 GPZ1 40.00 %
 GPZ2 -40.00 %
 P16 2000.00 usec
 NDO 1
 TD 256
 SFO1 600.2326 MHz
 FIDRES 21.046606 Hz
 SW 8.976 ppm
 FnMODE States-TPPI
 SI 1024
 SF 600.2300139 MHz
 WDW QSINE
 SSB 2
 LB 0.00 Hz
 GB 0
 PC 1.40
 SI 1024
 MC2 States-TPPI
 SF 600.2300139 MHz
 WDW QSINE
 SSB 2
 LB 0.00 Hz
 GB 0