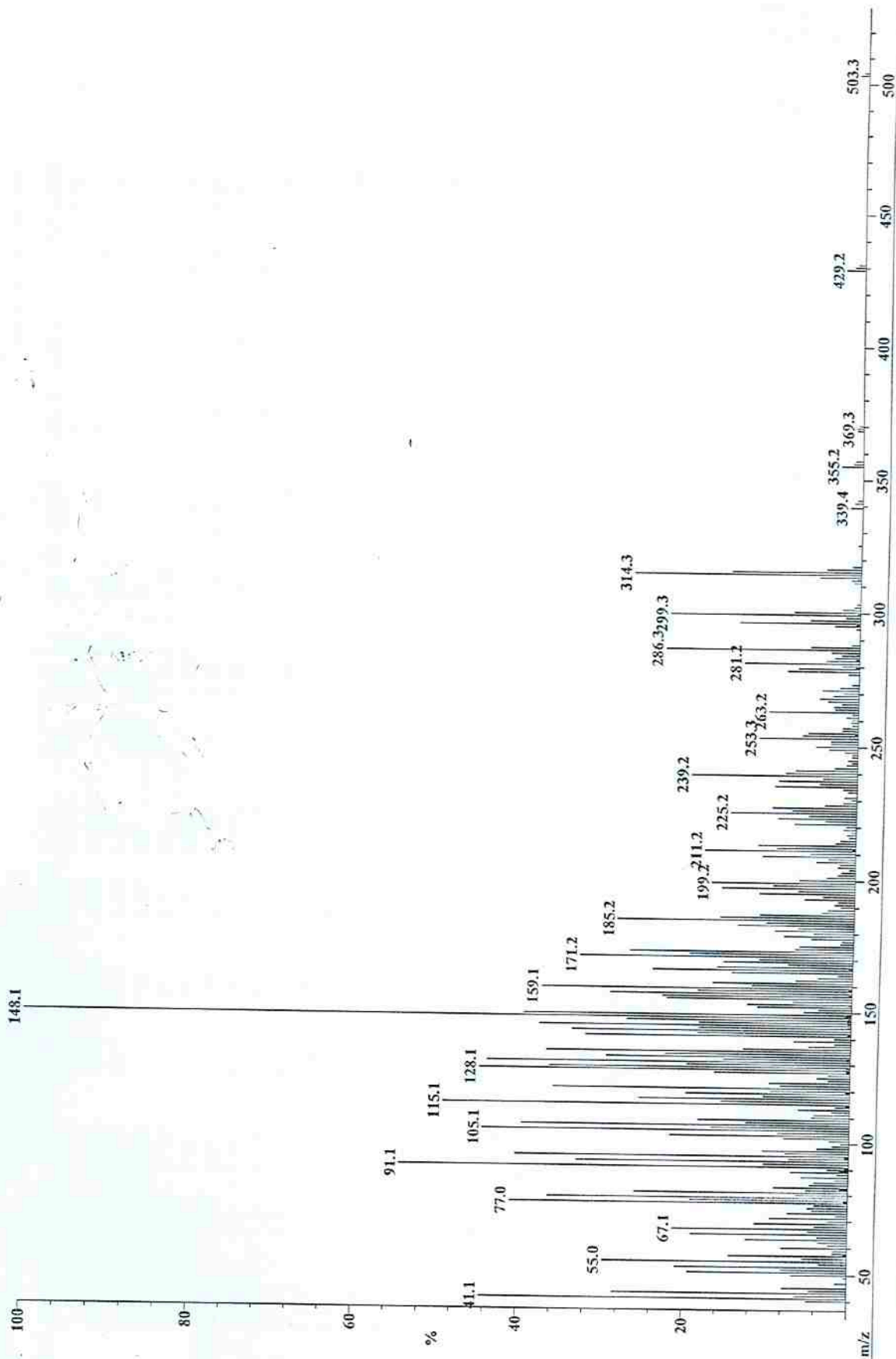


Scan: 15

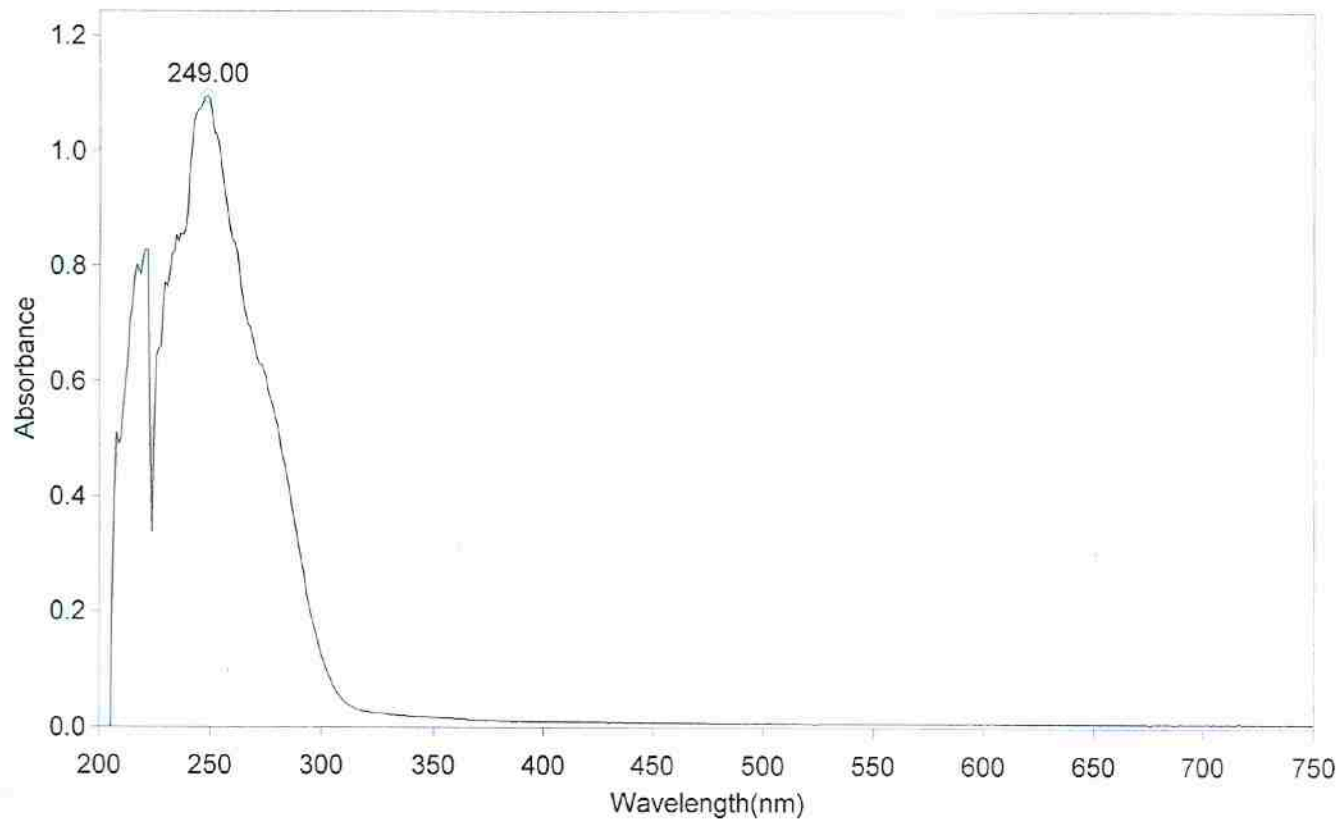
Base: m/z 148; 62.7%FS TIC: 18696040

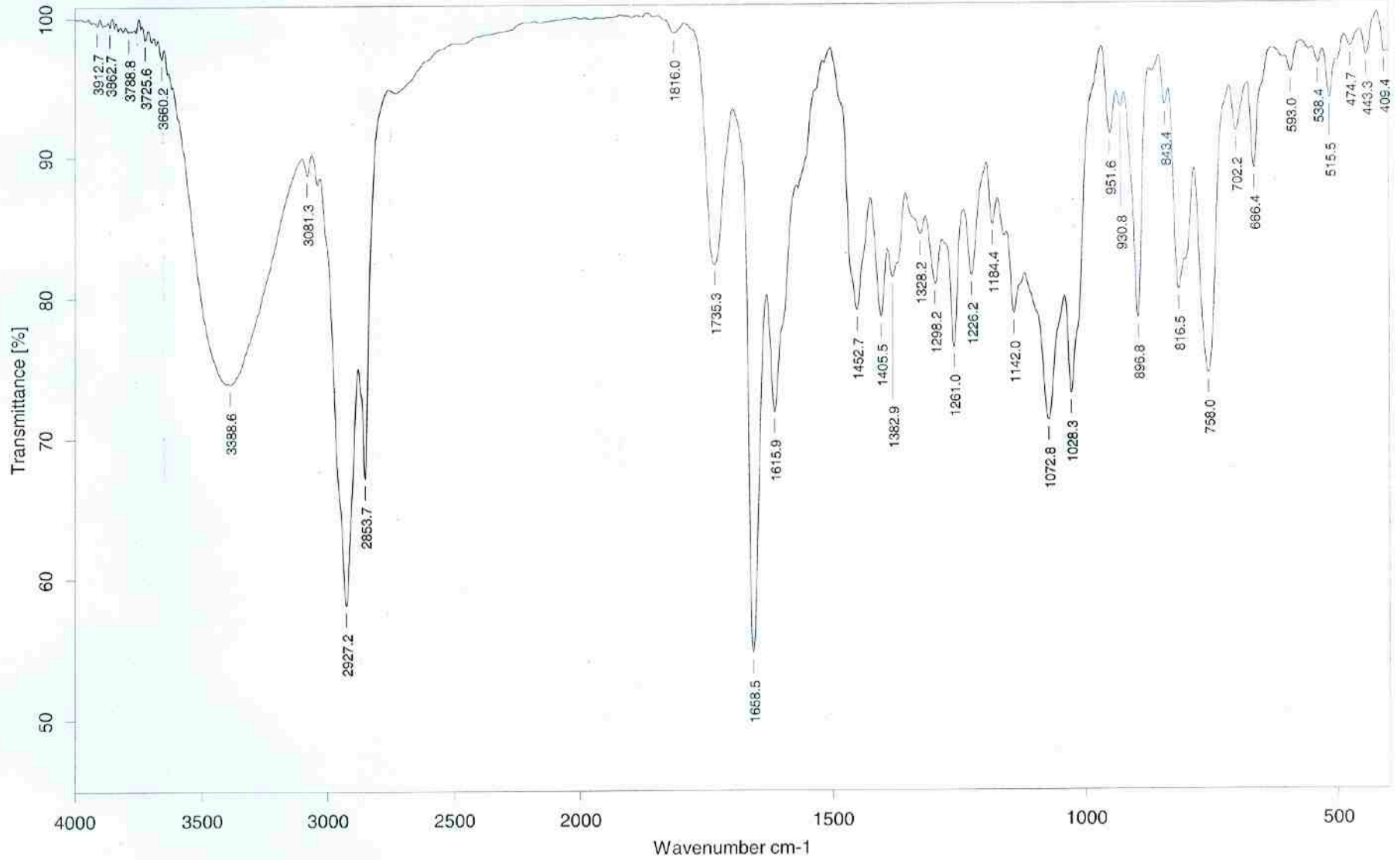
R.T.: 1.25

#Ions: 316



Scan Graph

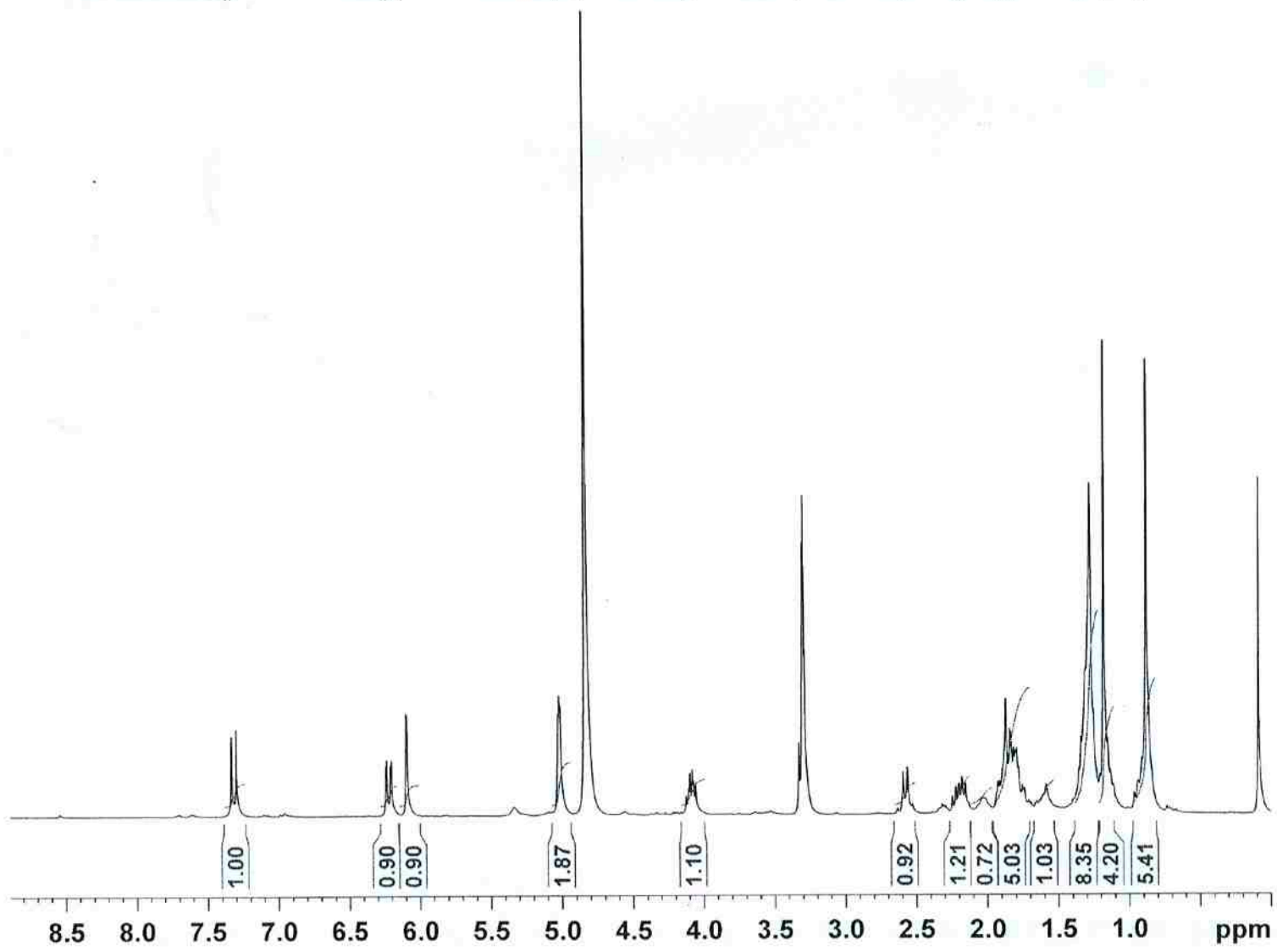




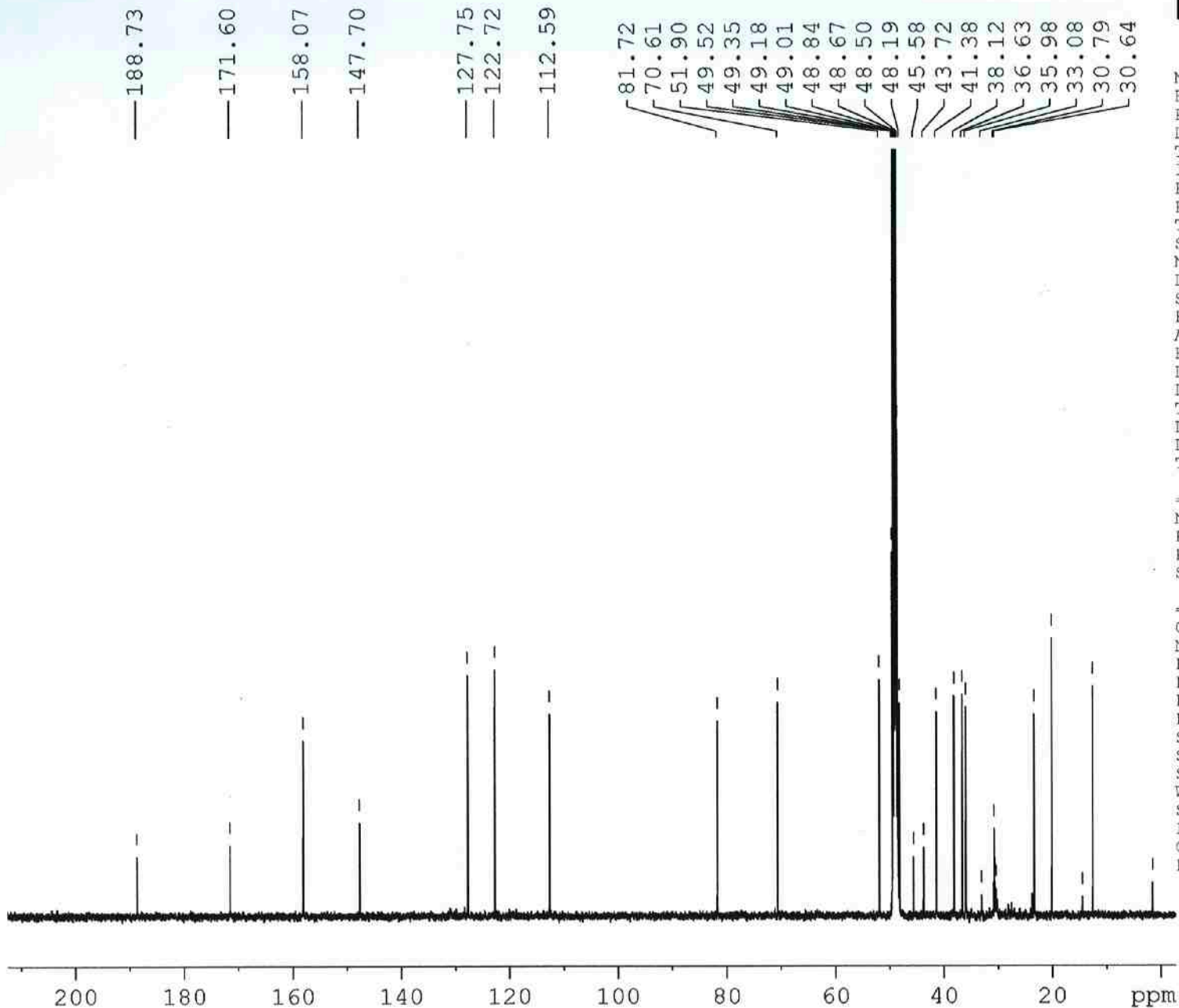
7.331
7.297
6.242
6.236
6.208
6.202
6.098
6.092
5.029
5.023
5.016
4.839
4.099
4.083
4.074
3.305
3.300
3.295
3.290
2.594
2.564
2.198
2.181
2.155
1.925
1.914
1.894
1.872
1.843
1.838
1.816
1.806
1.796
1.782
1.357
1.341
1.313
1.280
1.182
1.153
0.939
0.934
0.911
0.882

NAME may15
EXPNO 3
PROCNO 1
Date_ 20120515
Time_ 10.51
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 32768
SOLVENT MeOD
NS 32
DS 0
SWH 6172.839 Hz
FIDRES 0.188380 Hz
AQ 2.6542580 sec
RG 362
DW 81.000 usec
DE 6.50 usec
TE 298.1 K
D1 1.50000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.80 usec
PL1 5.00 dB
SFO1 300.1324010 MHz
SI 32768
SF 300.1300076 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



8.5 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          may28-12
EXPNO         2
PROCNO       1
Date_         20120528
Time          15.46
INSTRUM      spect
PROBHD       5 mm PABBI 1H/
PULPROG      zgpg
TD           32768
SOLVENT      MeOD
NS           20480
DS           2
SWH          30303.031 Hz
FIDRES       0.924775 Hz
AQ           0.5407385 sec
RG           32768
DW           16.500 usec
DE           6.50 usec
TE           300.0 K
D1           1.5000000 sec
D11          0.0300000 sec
TDO         20
  
```

```

===== CHANNEL f1 =====
NUC1          13C
P1            15.25 usec
PL1           -3.00 dB
SFO1          125.7975248 MHz
  
```

```

===== CHANNEL f2 =====
CPDPRG2      waltz16
NUC2          1H
PCPD2        80.00 usec
PL2           5.75 dB
PL12         25.50 dB
PL13         120.00 dB
SFO2          500.2330014 MHz
SI           32768
SF           125.7827561 MHz
WDW          EM
SSB           0
LB           1.00 Hz
GB           0
PC           1.40
  
```



—158.07

—127.76

—122.72

—81.72

—70.61

—51.89

—48.18

—36.63

NAME may28-12
EXPNO 4
PROCNO 1
Date 20120529
Time 9.43
INSTRUM spect
PROBHD 5 mm PABBI 1H/
PULPROG dept90
TD 32768
SOLVENT MeOD
NS 2398
DS 0
SWH 23809.523 Hz
FIDRES 0.726609 Hz
AQ 0.6881990 sec
RG 32768
DW 21.000 usec
DE 6.50 usec
TE 299.7 K
CNST2 145.000000
D1 1.5000000 sec
D2 0.00344828 sec
D12 0.00002000 sec
TDO 6

===== CHANNEL f1 =====
NUC1 13C
P1 15.25 usec
P2 30.50 usec
PL1 -3.00 dB
SFO1 125.7948834 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P3 8.00 usec
P4 16.00 usec
PCPD2 80.00 usec
PL2 5.75 dB
PL12 25.50 dB
SFO2 500.2330014 MHz
SI 32768
SF 125.7827561 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



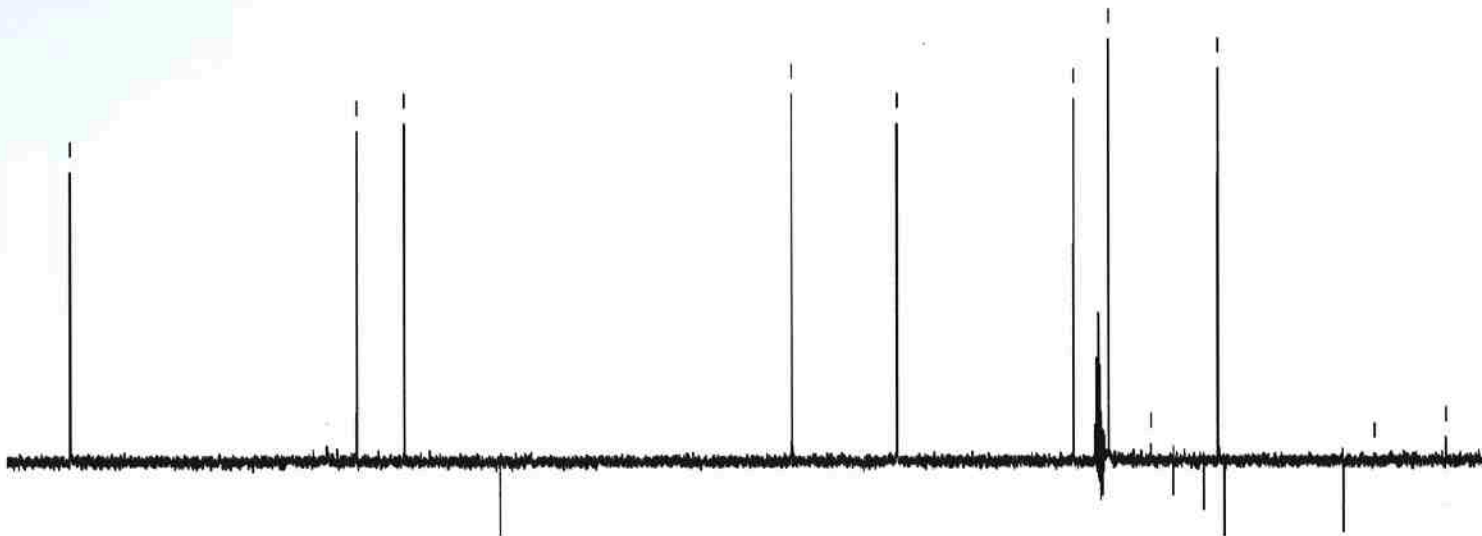
160 150 140 130 120 110 100 90 80 70 60 50 40 ppm

DEPT135

—158.08
 —127.76
 —122.72
 —112.60
 —81.72
 —70.61
 —51.89
 —48.18
 —43.72
 —41.38
 —38.12
 —36.62
 —35.98
 —23.37
 —20.10
 —12.53



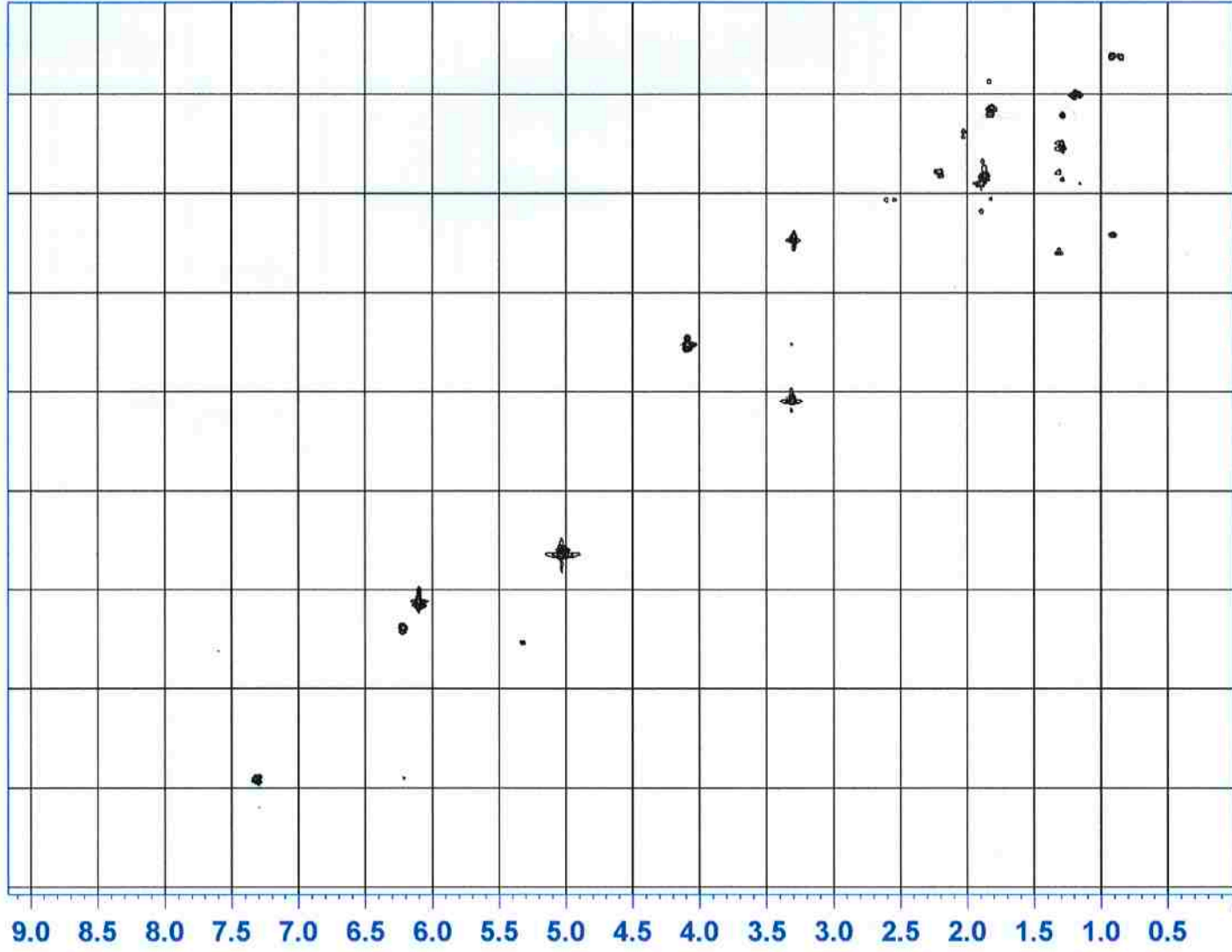
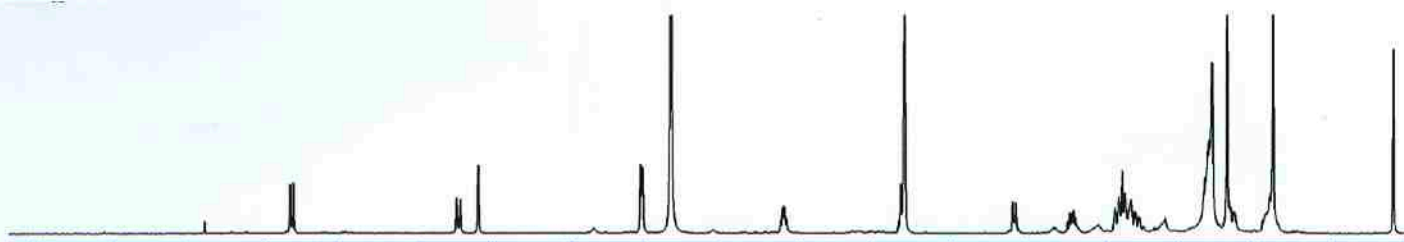
NAME may28-12
 EXPNO 3
 PROCNO 1
 Date_ 20120529
 Time_ 3.46
 INSTRUM spect
 PROBHD 5 mm PABBI 1H/
 PULPROG dept135
 TD 32768
 SOLVENT MeOD
 NS 10240
 DS 0
 SWH 23809.523 Hz
 FIDRES 0.726609 Hz
 AQ 0.6881990 sec
 RG 32768
 DW 21.000 usec
 DE 6.50 usec
 TE 298.9 K
 CNST2 145.000000
 D1 1.5000000 sec
 D2 0.00344828 sec
 D12 0.00002000 sec
 TD0 10



===== CHANNEL f1 =====
 NUC1 13C
 P1 15.25 usec
 P2 30.50 usec
 PL1 -3.00 dB
 SFO1 125.7948834 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 P3 8.00 usec
 P4 16.00 usec
 PCPD2 80.00 usec
 PL2 5.75 dB
 PL12 25.50 dB
 SFO2 500.2330014 MHz
 SI 32768
 SF 125.7827561 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.20

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 ppm

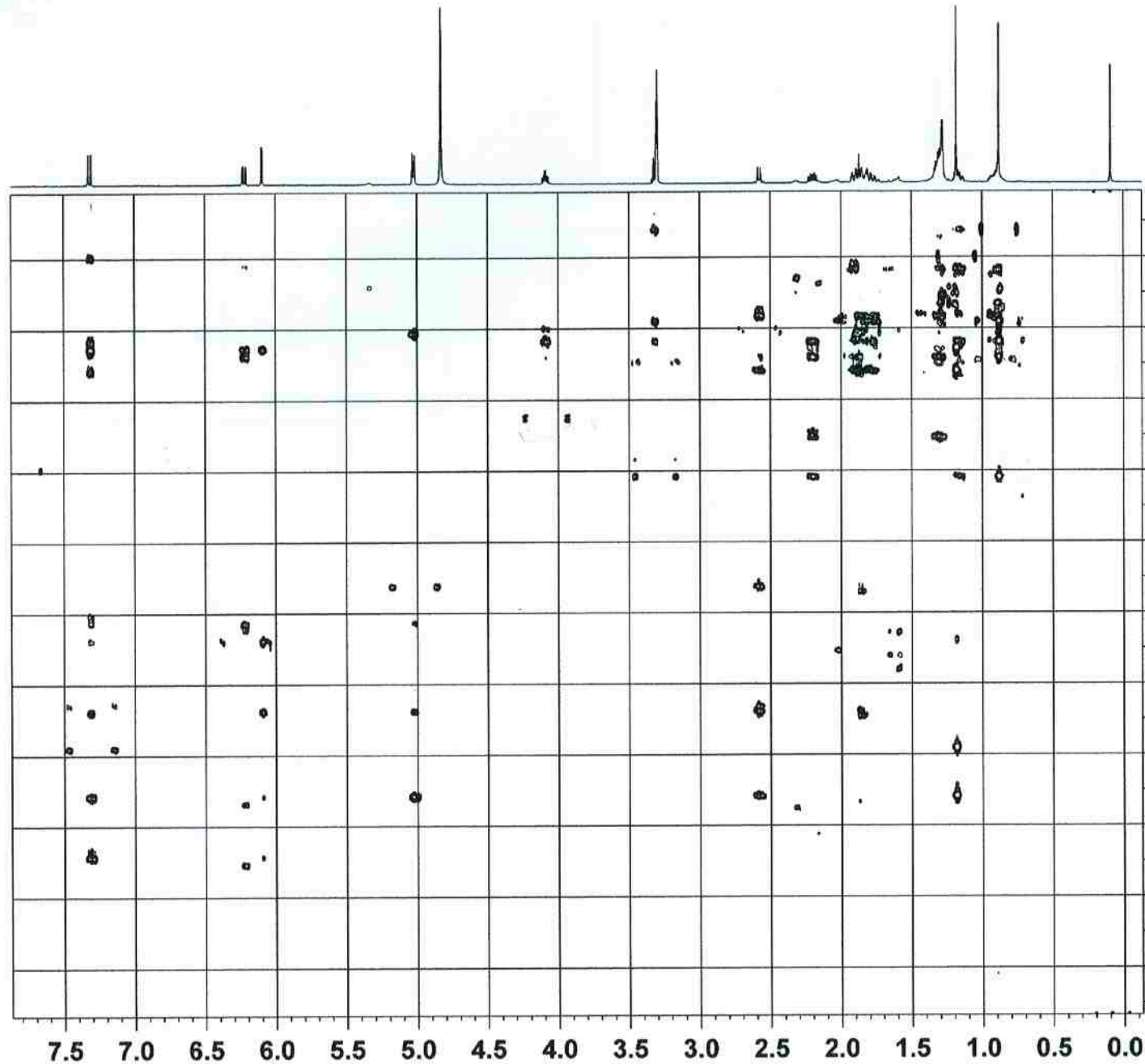


NAME may29-12
EXPNO 2
PROCNO 1
Date_ 20120529
Time 11.36
INSTRUM spect
PROBHD 5 mm PABBI 1H/
PULPROG hsqcetgps1
TD 1024
SOLVENT MeOD
NS 32
DS 8
SWH 4595.588 Hz
FIDRES 4.487879 Hz
AQ 0.1115700 sec
RG 20642.5
DW 108.800 usec
DE 6.50 usec
TE 300.0 K
CNST2 145.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
D24 0.00110000 sec
IN0 0.00002210 sec
ZGPTNS

----- CHANNEL f1 -----
NUC1 1H
P1 7.05 usec
P2 14.10 usec
P28 1000.00 usec
PL1 5.00 dB
SFO1 500.2323011 MHz

----- CHANNEL f2 -----
CPDPRG2 garp
NUC2 13C
P3 15.25 usec
P4 30.50 usec
PCPD2 70.00 usec
PL2 -3.00 dB
PL12 9.00 dB
SFO2 125.7942545 MHz

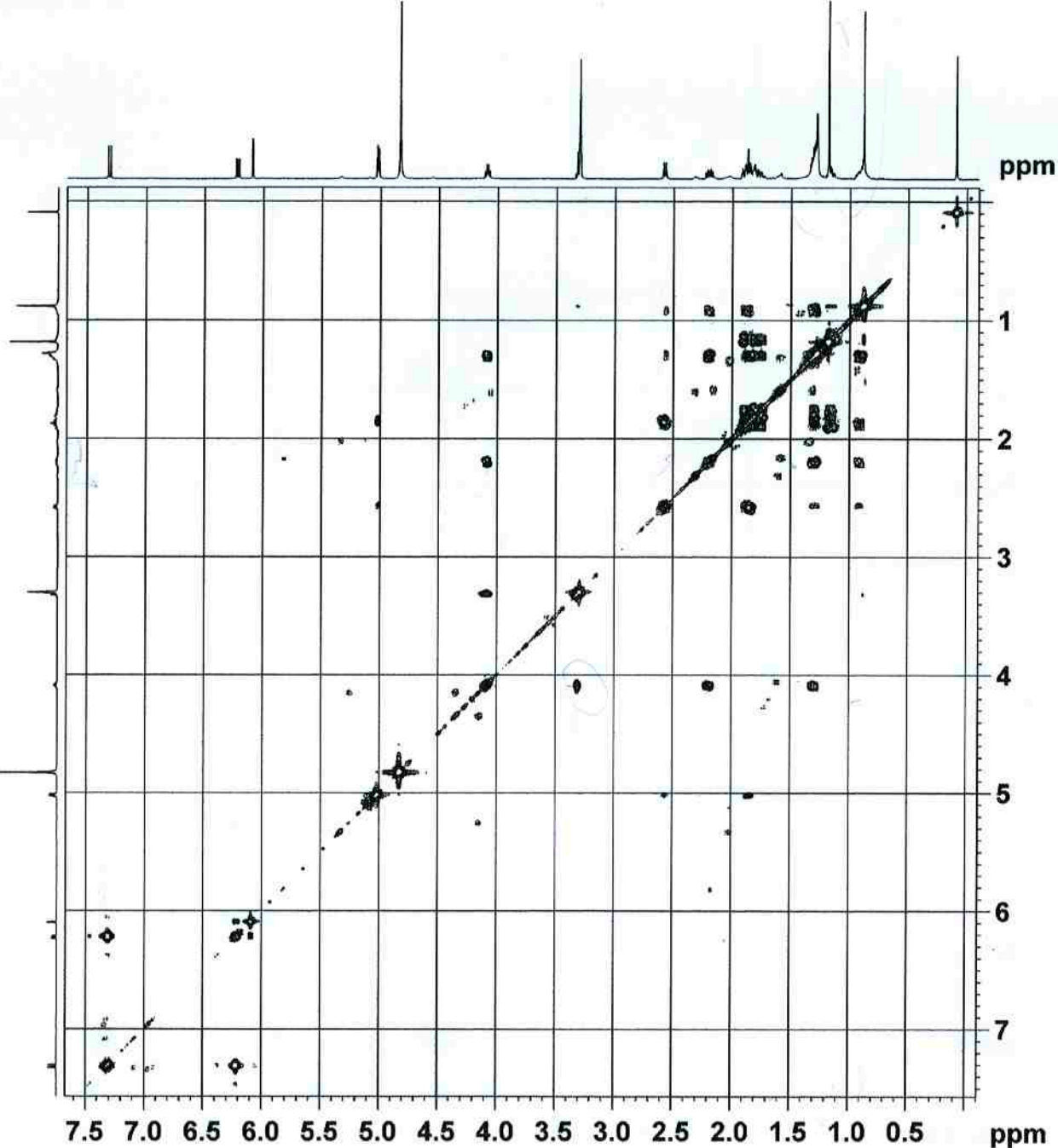
----- GRADIENT CHANNEL -----
GPNAM1 SINE.100
GPNAM2 SINE.100
GPZ1 80.00 V
GPZ2 20.10 V
PI6 1000.00 usec
NDO 2
TD 256
SFO1 125.7943 MHz
FIDRES 88.449081 Hz
SW 180.000 ppm
FnMODE Echo-Antiecho
SI 1024
SF 500.2300121 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0
PC 1.00
SI 1024
MC2 echo-antiecho
SF 125.7827561 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0



ppm

NAME	may19-12
EXPNO	13
PROCNO	1
Date_	20120519
Time	21.29
INSTRUM	spect
PROBHD	5 mm BBI 1H/D-
PULPROG	hmbcgp1pndqf
TD	4096
SOLVENT	MeOD
NS	64
DS	8
SWH	4006.410 Hz
FIDRES	0.978127 Hz
AQ	0.5113556 sec
RG	23170.5
DW	124.800 usec
DE	6.50 usec
TE	302.0 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	0.00001715 sec
----- CHANNEL f1 -----	
NUC1	1H
P1	7.60 usec
P2	15.20 usec
PL1	6.00 dB
SFO1	500.1319505 MHz
----- CHANNEL f2 -----	
NUC2	13C
P3	13.25 usec
PL2	-2.85 dB
SFO2	125.7723769 MHz
----- GRADIENT CHANNEL -----	
GPNAME1	SINE.100
GPNAME2	SINE.100
GPNAME3	SINE.100
GPZ1	50.00 %
GPZ2	30.00 %
GPZ3	40.10 %
F16	1000.00 usec
ND0	2
TD	256
SFO1	125.7724 MHz
FIDRES	113.981216 Hz
SW	232.000 ppm
FMODE	QF
SI	1024
SF	500.1300158 MHz
WDW	QSINE
SSB	0
LB	0.00 Hz
GB	0
PC	4.00
SI	1024
MC2	QF
SF	125.7576112 MHz
WDW	QSINE
SSB	0
LB	0.00 Hz
GB	0

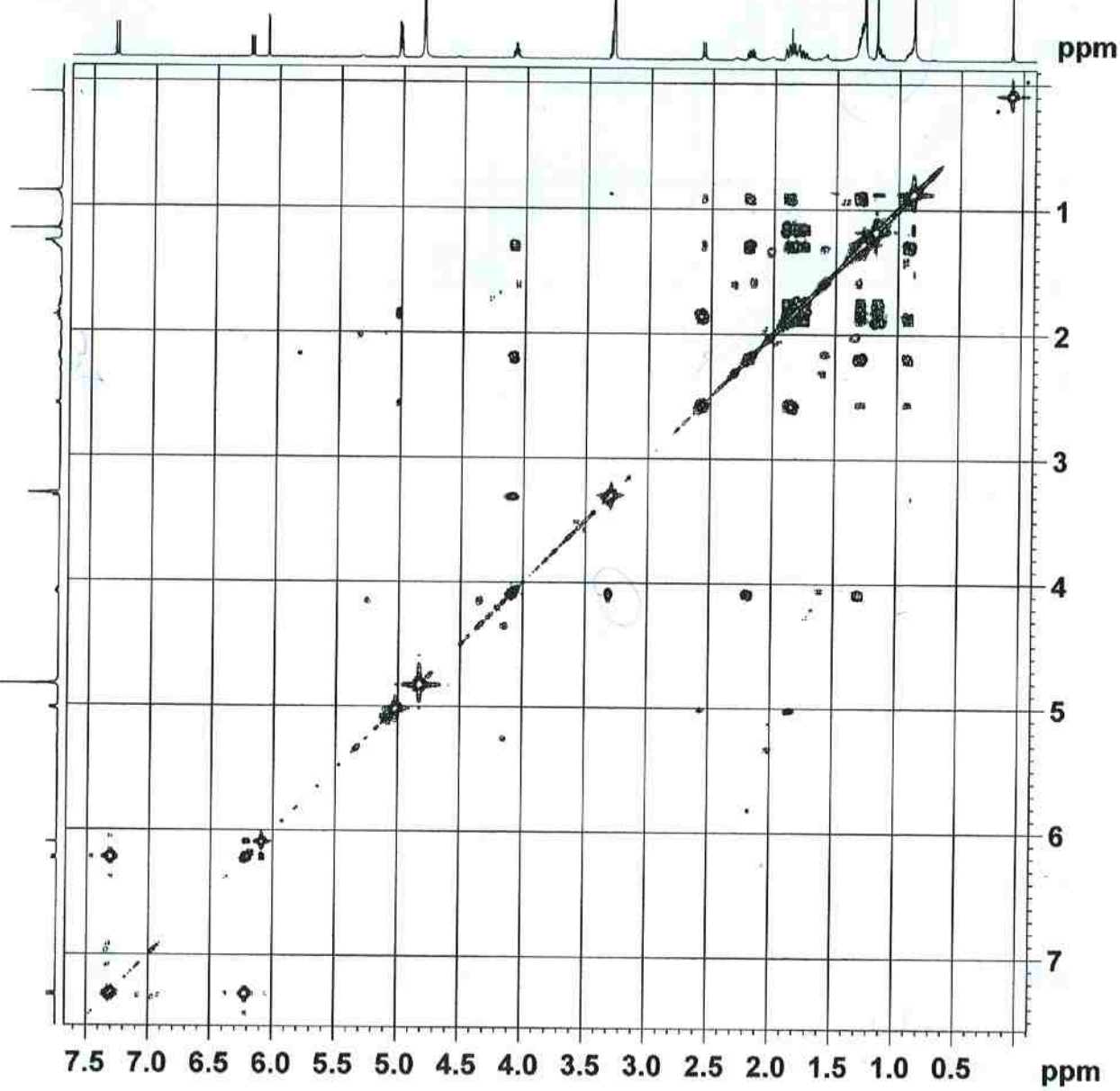
7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 ppm



NAME may19-12
 EXPNO 10
 PROCNO 1
 Date_ 20120519
 Time_ 13.44
 INSTRUM spect
 PROBHD 5 mm BBI 1H/D-
 PULPROG cosygpgqf
 TD 2048
 SOLVENT MeOD
 NS 8
 DS 8
 SWH 4006.410 Hz
 FIDRES 1.956255 Hz
 AQ 0.2557652 sec
 RG 256
 DW 124.800 usec
 DE 6.50 usec
 TE 299.8 K
 D0 0.00000300 sec
 D1 1.50000000 sec
 D13 0.00000400 sec
 D16 0.00010000 sec
 IN0 0.00024960 sec

===== CHANNEL f1 =====
 NUC1 1H
 P0 7.60 usec
 P1 7.60 usec
 PL1 6.00 dB
 SFO1 500.1319505 MHz

===== GRADIENT CHANNEL =====
 GPNAM1 SINE.100
 GPZ1 10.00 %
 P16 1000.00 usec
 ND0 1
 TD 256
 SFO1 500.132 MHz
 FIDRES 15.650039 Hz
 SW 8.011 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



NAME may19-12
 EXPNO 10
 PROCNO 1
 Date_ 20120519
 Time 13.44
 INSTRUM spect
 PROBHD 5 mm BBI 1H/D-
 PULPROG cosygppqf
 TD 2048
 SOLVENT MeOD
 NS 8
 DS 8
 SWH 4006.410 Hz
 FIDRES 1.956255 Hz
 AQ 0.2557652 sec
 RG 256
 DW 124.800 usec
 DE 6.50 usec
 TE 299.8 K
 D0 0.00000300 sec
 D1 1.50000000 sec
 D13 0.00000400 sec
 D16 0.00010000 sec
 IN0 0.00024960 sec

===== CHANNEL f1 =====
 NUC1 1H
 P0 7.60 usec
 P1 7.60 usec
 PL1 6.00 dB
 SFO1 500.1319505 MHz

===== GRADIENT CHANNEL =====
 GPNAM1 SINE.100
 GPZ1 10.00 %
 P16 1000.00 usec
 ND0 1
 TD 256
 SFO1 500.132 MHz
 FIDRES 15.650039 Hz
 SW 8.011 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