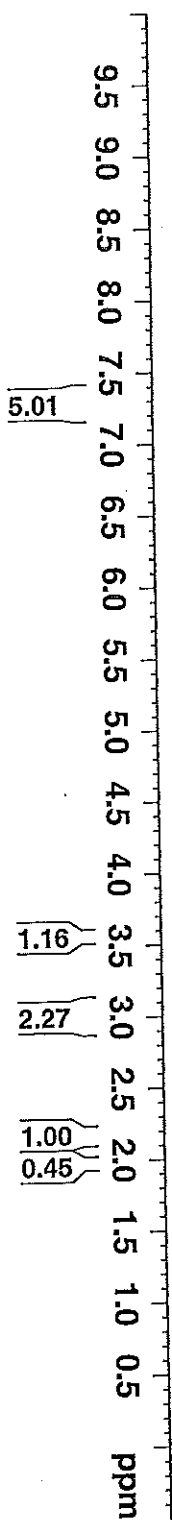




3.9

7.392
7.389
7.371
7.369
7.351
7.348
7.336
7.330
7.318
7.306
7.298
7.287
7.281
7.268
7.240
7.222
7.215
7.197

3.568
3.552
3.537
3.113
3.096
3.088
3.079
3.071
3.053
2.976
2.906
2.189
2.173
2.156
1.977



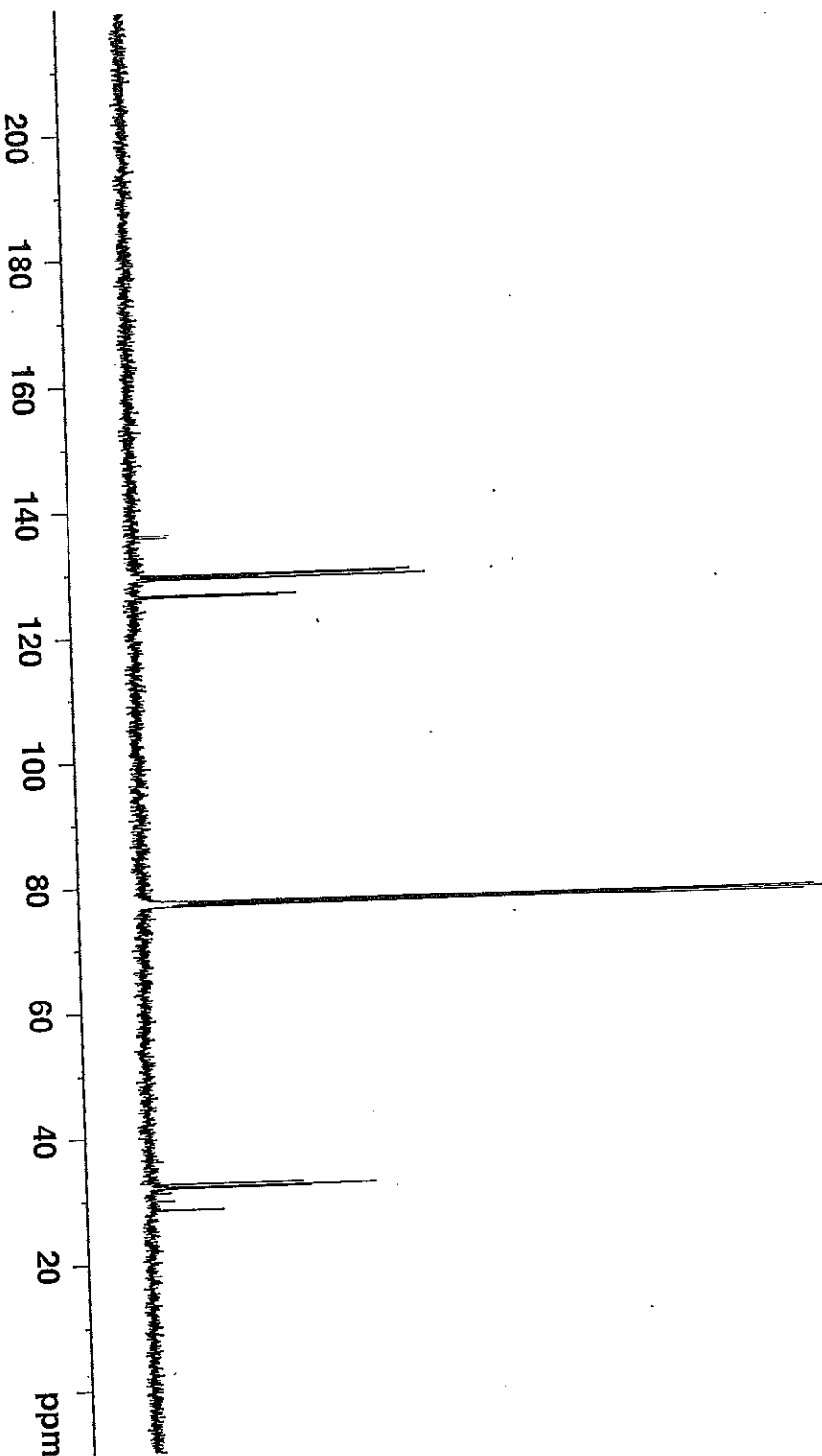
Current Data Parameters
NAME DS-2-54
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20101215
Time 21.54
INSTRUM dpx400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 322.5
RW 78.000 usec
DE 28.00 K
TE 298.2 K
D1 2.0000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz
F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



3.9

129.64
129.40
129.03
128.95

32.45
32.00
31.78



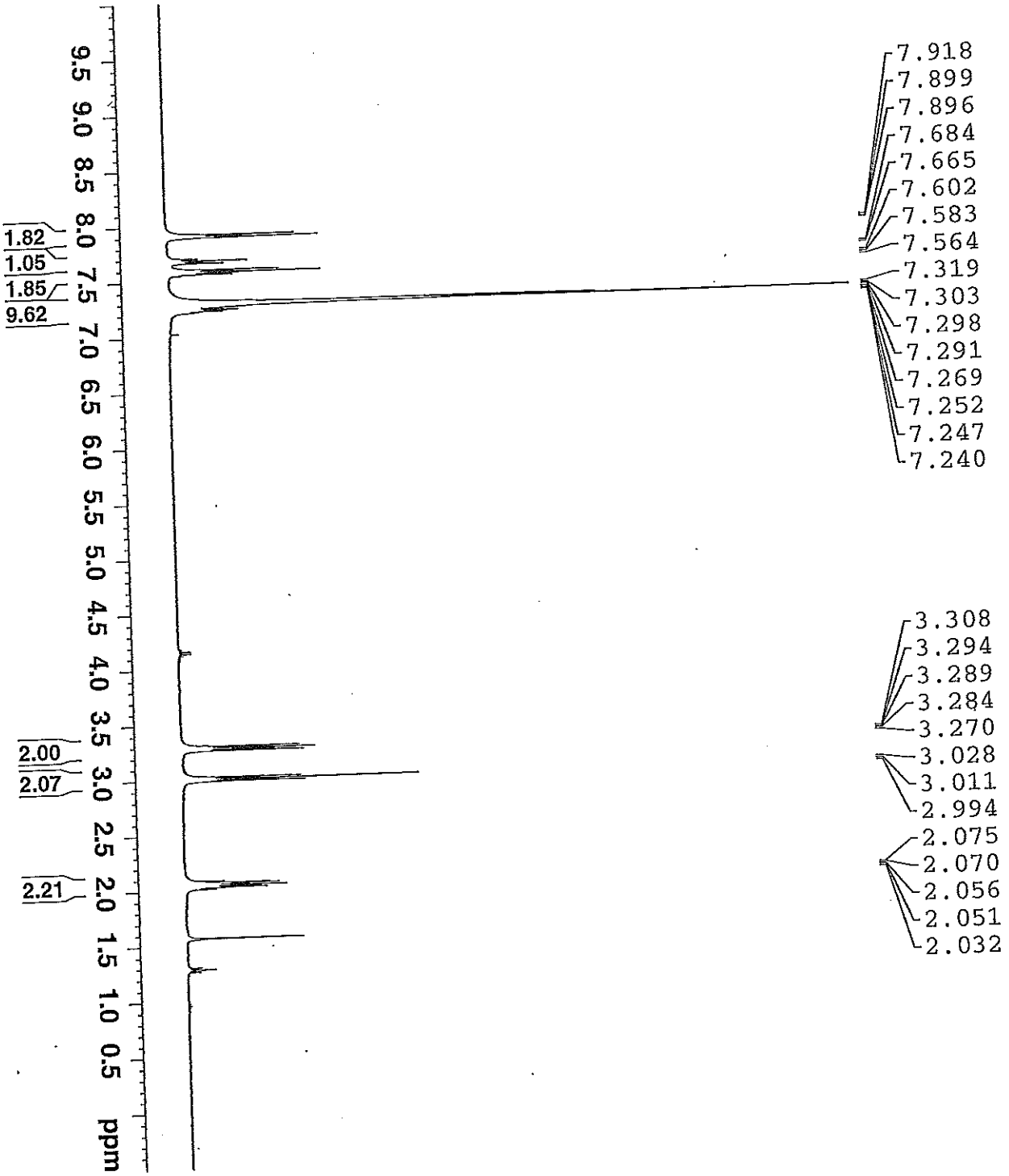
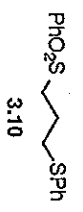
Current Data Parameters
NAME DS-2-54
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20101215
Time 22:25
INSTRUM DPK400
PROBHD 5 mm BBO BB-4H
PULPROG zgpg30
TD 65536
CDP13
SOLVENT 1000
NS 4
DS 23980.814 Hz
SWH 0.165918 Hz
FIDRES 1.364756 sec
AQ 1.381952
RG 20.850 usec
DE 269.2 X
TE 0.32000000 sec
D1 0.03000000 sec
d11 0.10000000 sec
DELTA 1
TDO

===== CHANNEL f1 =====
NUC1 13C
P1 8.30 usec
PL1 -3.00 dB
SFO1 100.6517495 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 -3.00 dB
PL12 15.00 dB
PL13 15.00 dB
SFO2 400.2466010 MHz

F2 - Processing parameters
SI 32768
SF 100.6416650 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

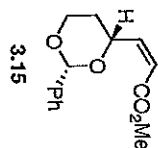
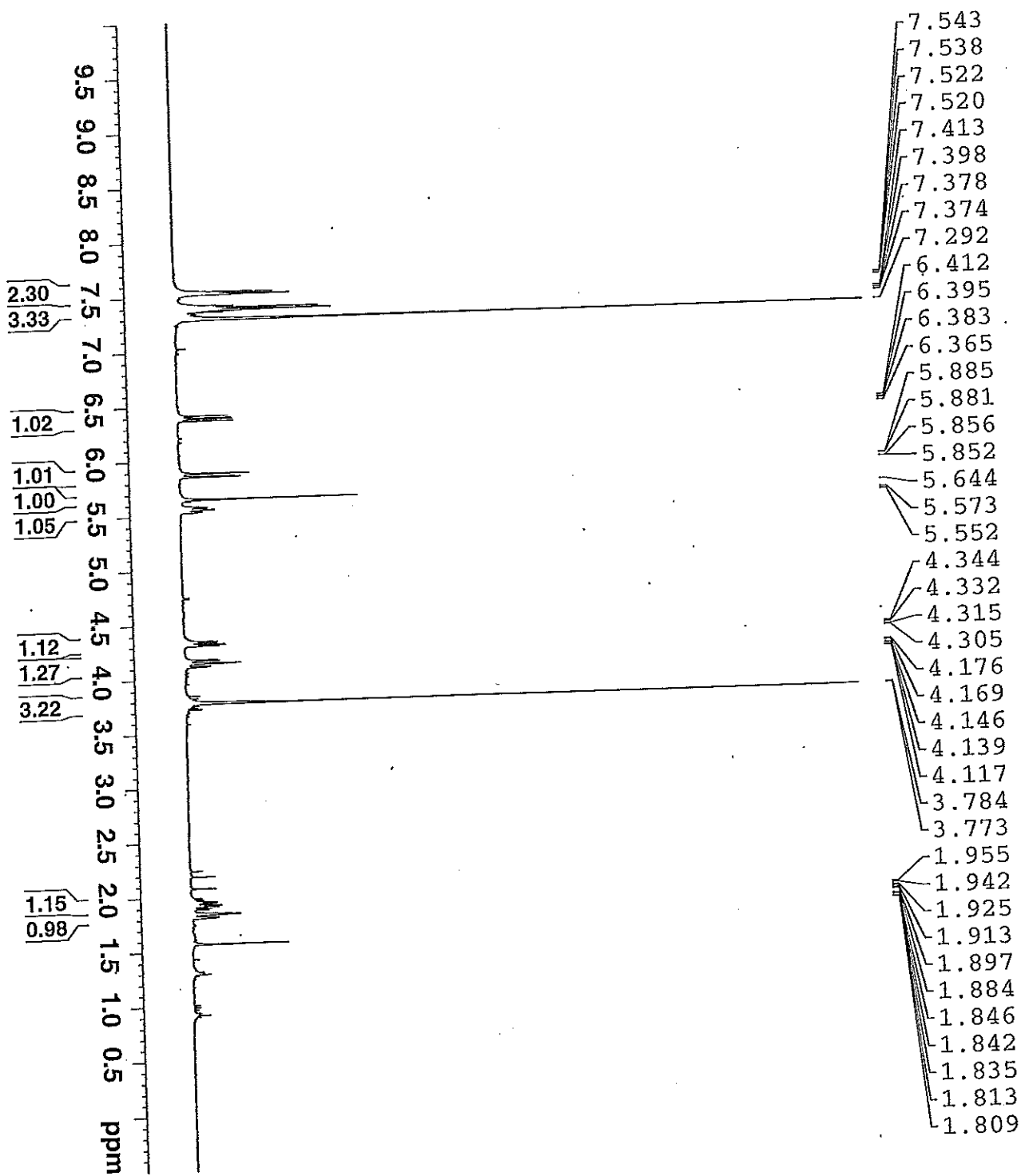


7.918
7.899
7.896
7.684
7.665
7.602
7.583
7.564
7.319
7.303
7.298
7.291
7.269
7.252
7.247
7.240

3.308
3.294
3.289
3.284
3.270
3.028
3.011
2.994
2.075
2.070
2.056
2.051
2.032

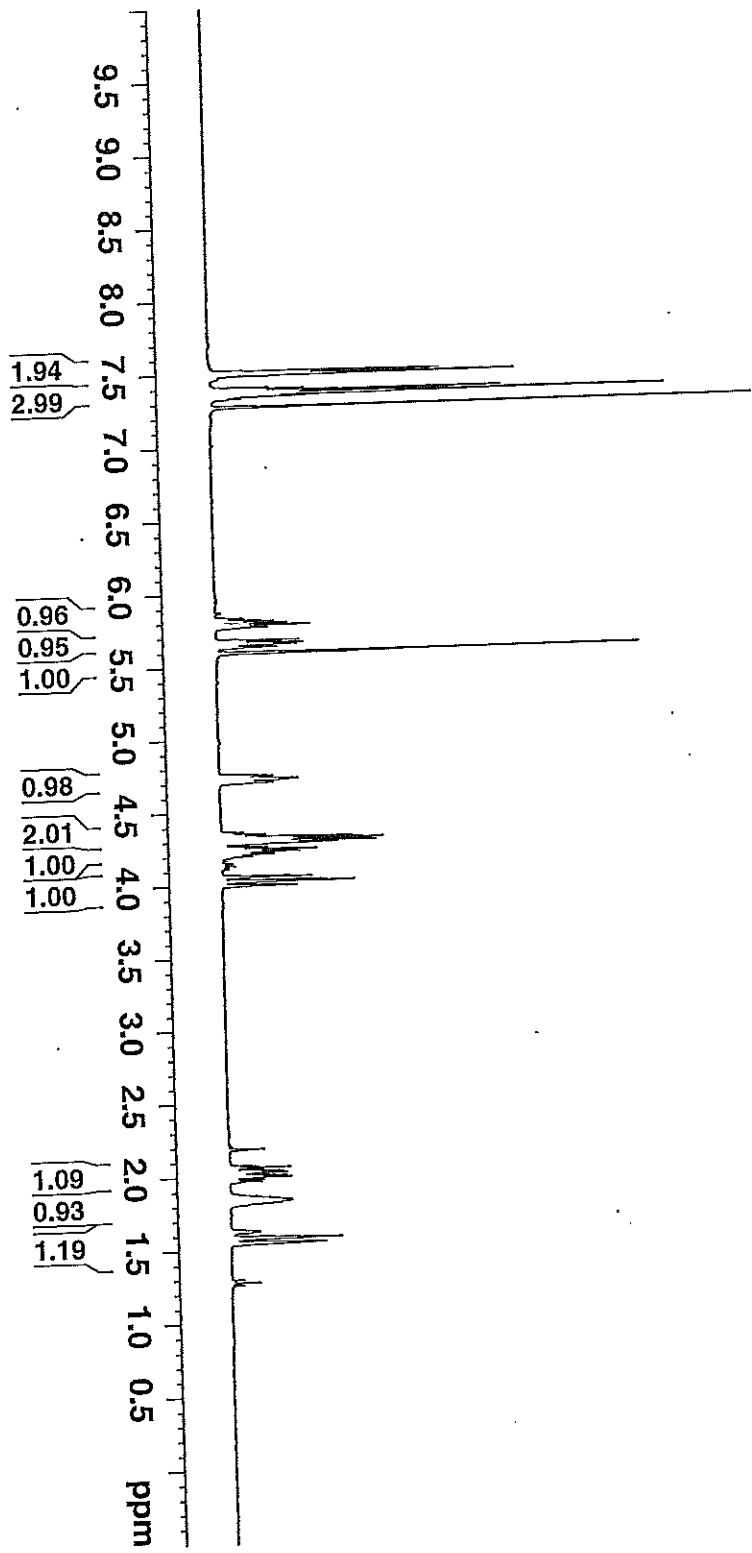
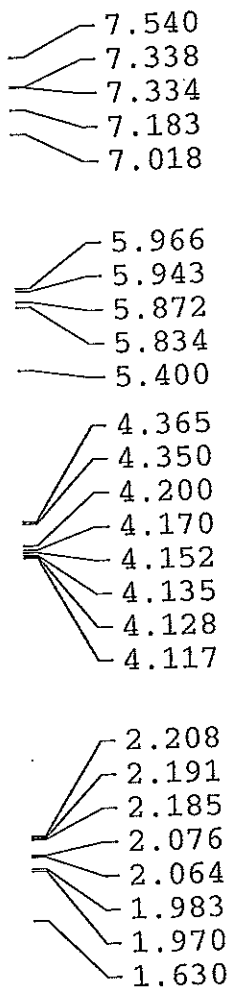
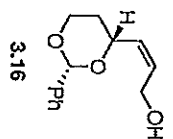
NAME DS-1-39-3rd-spot
EXPNO 1
PROCNO 1
Date_ 20100503
Time 10.31
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 256
RW 78.000 usec
DE 6.50 usec
TE 299.0 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL 0.00 dB
PL1 10.27361584 W
PL1W 400.1378009 MHz
SFO1 400.1350000 MHz
SI 32768
SF 400.1350000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



NAME DS-1-30-1ast
EXPNO 1
PROCNO 1
Date_ 20100413
Time 14.09
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 256
DM 78.000 usec
DE 6.50 usec
TE 299.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL 0.00 dB
PL1 10.27361584 W
PL1W 400.1378009 MHz
SF01 32768
SI 400.1350000 MHz
ST EM
WDM 0
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

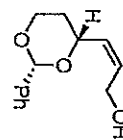


Current Data Parameters
NAME DS-2-65
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20101218
Time 0.56
INSTRUM DPX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 322.5
RG 78.000 usec
DE 6.00 usec
TE 298.2 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing Parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



3.16

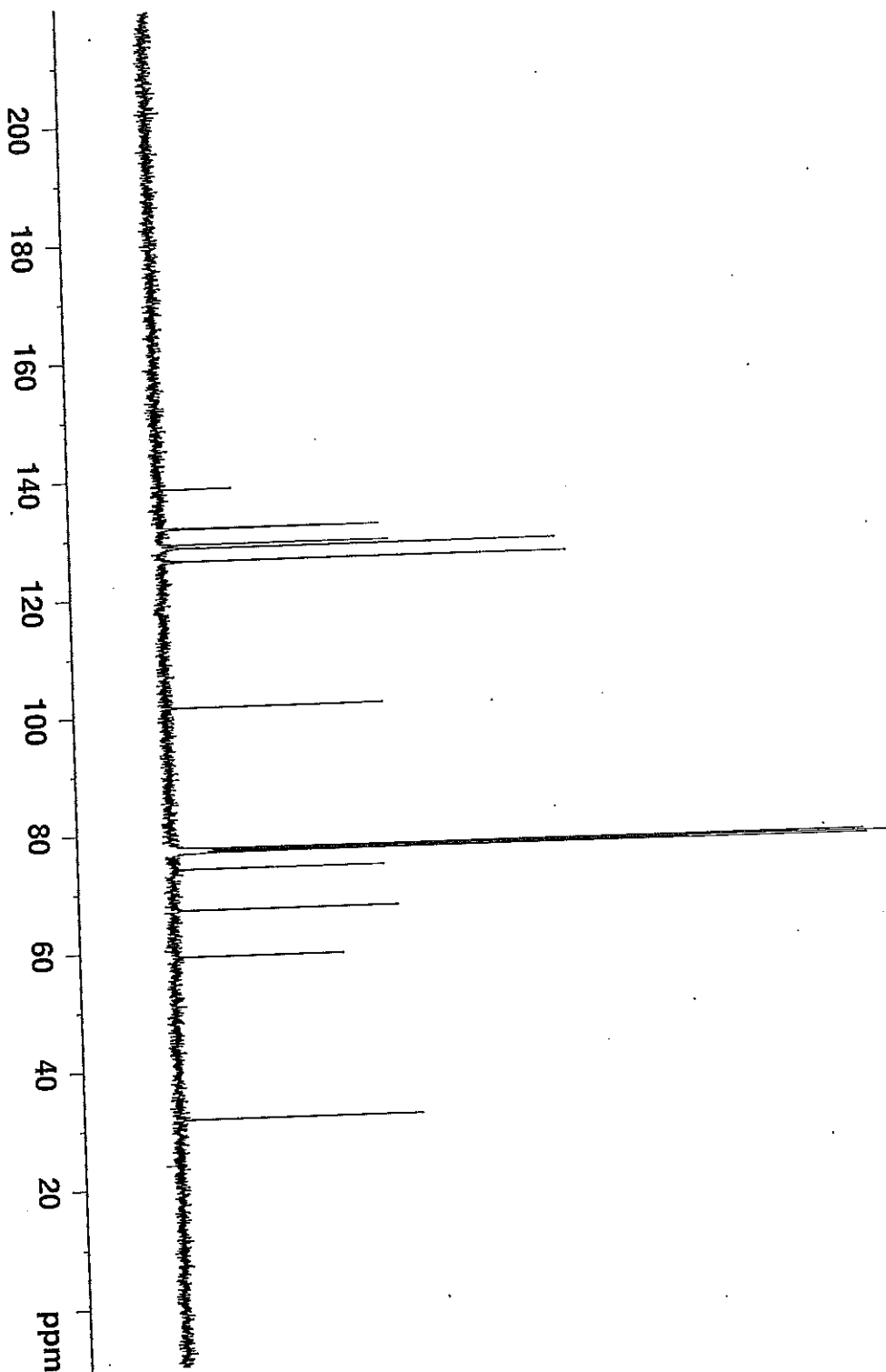
138.33
131.71
131.61
128.95
128.34
126.09

101.34

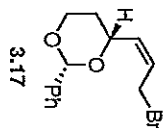
77.36
77.04
76.72
73.85
66.90

59.03

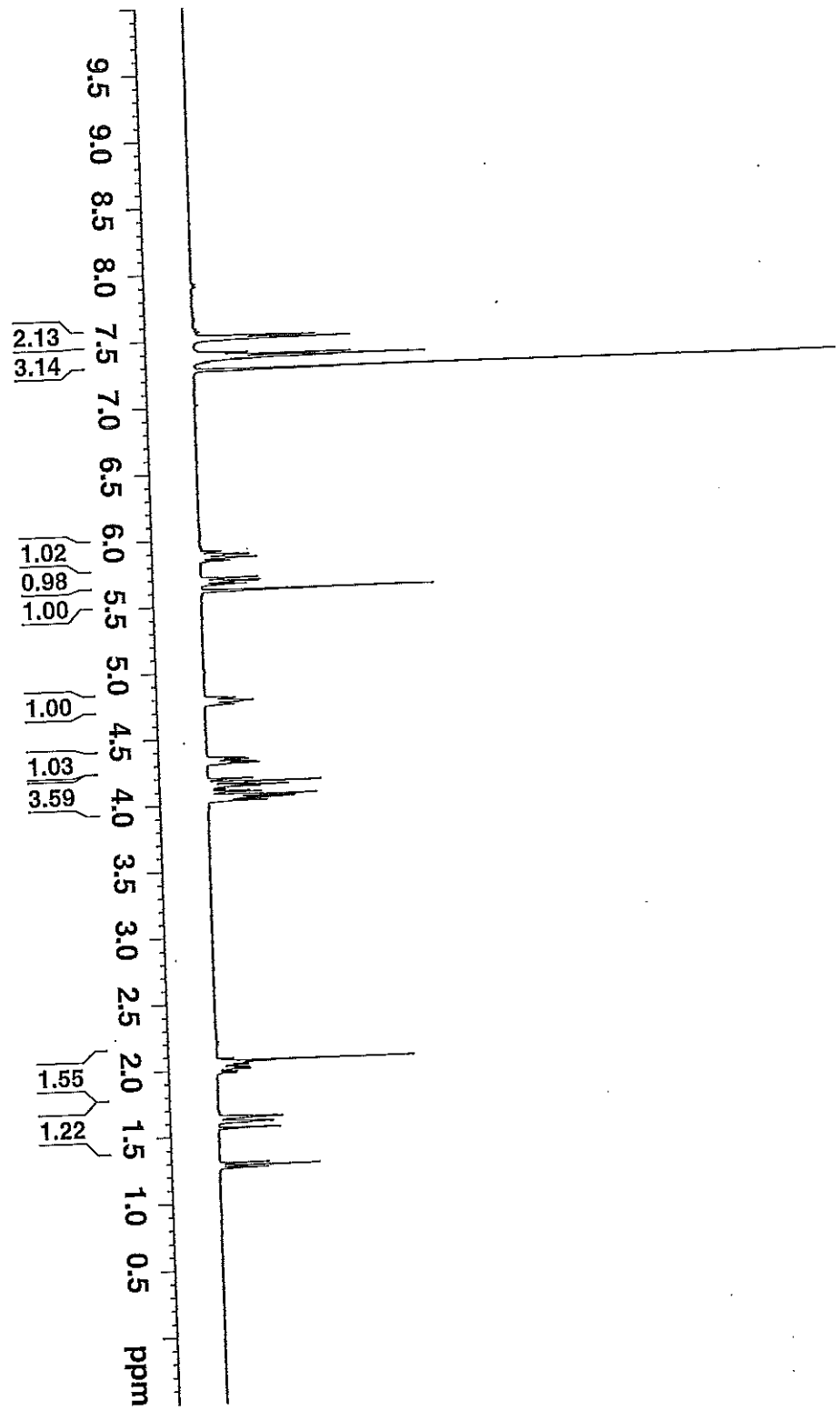
31.48



Current Data Parameters
NAME DS-2-65
EXNO 2
PROCNO 1
PU 71
USER dange
===== CHANNEL f1 =====
P2 - Acquisition Parameters
Date_ 20101218
Time 11.13
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1200
DS 4
SWH 21980.414 Hz
FIDRES 0.365918 Hz
AQ 1.3664795 sec
RG 7298.2
IN 20.850 usec
DE 28.00 usec
TE 300.2 K
NUC1 13C
NUC2 13C
P1 0.03000000 sec
PC 0.10000000 sec
===== CHANNEL f2 =====
NAME CHANTEL f2
P2 - Processing Parameters
SI 32768
SF 100.6416850 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40



- 7.533
- 7.528
- 7.524
- 7.504
- 7.405
- 7.386
- 7.356
- 7.353
- 7.271
- 5.890
- 5.867
- 5.713
- 5.694
- 5.685
- 5.667
- 4.786
- 4.324
- 4.315
- 4.312
- 4.196
- 4.172
- 4.153
- 4.148
- 4.147
- 4.136
- 4.096
- 4.074
- 4.066
- 4.056
- 4.050
- 4.043
- 4.036
- 4.030
- 2.062
- 1.647
- 1.643
- 1.641
- 1.637
- 1.613
- 1.610
- 1.563
- 1.562
- 1.300
- 1.282
- 1.264

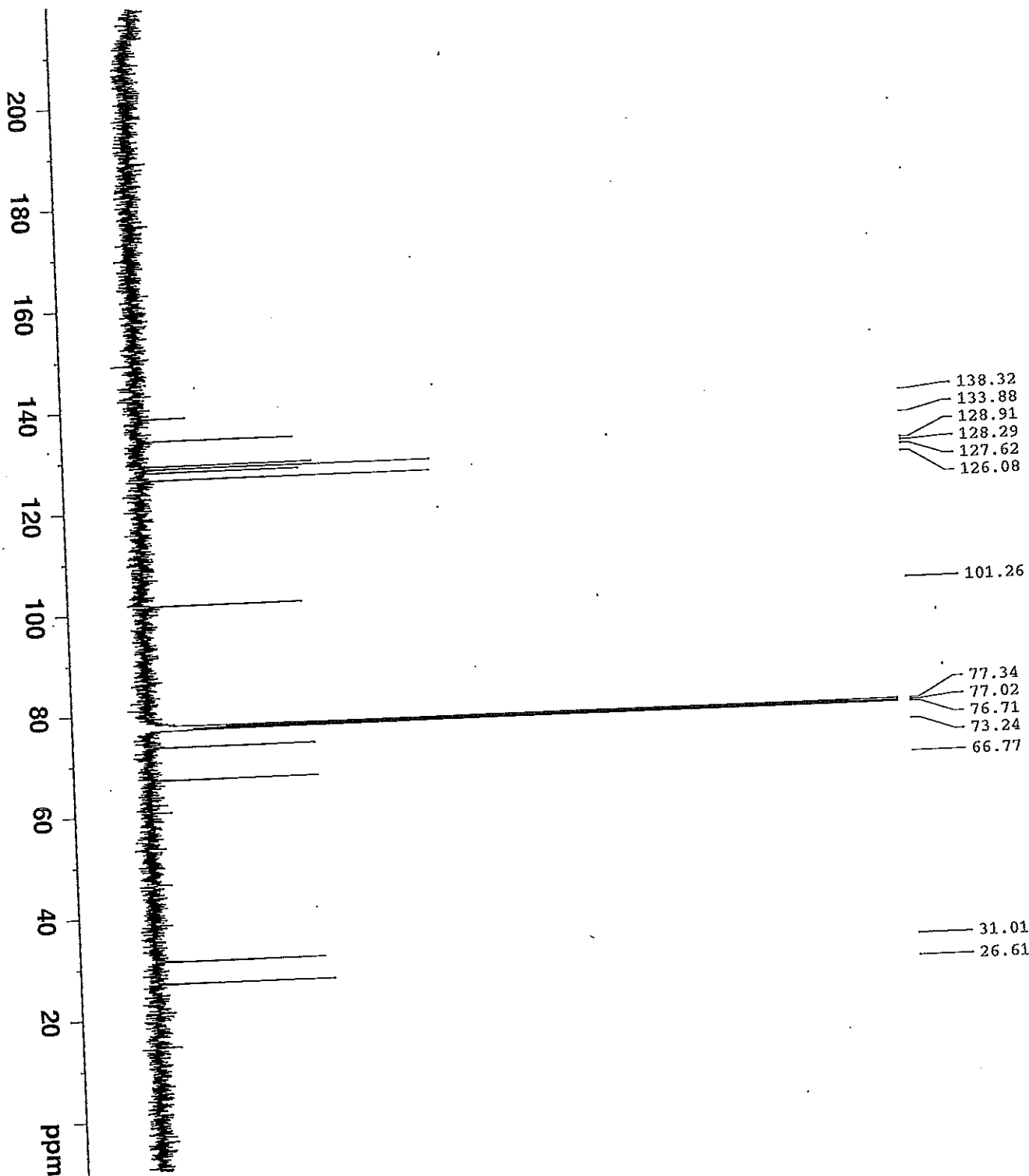
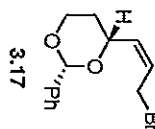


Current Data Parameters
NAME DS-2-67
EXPNO 1
PROCNO 1

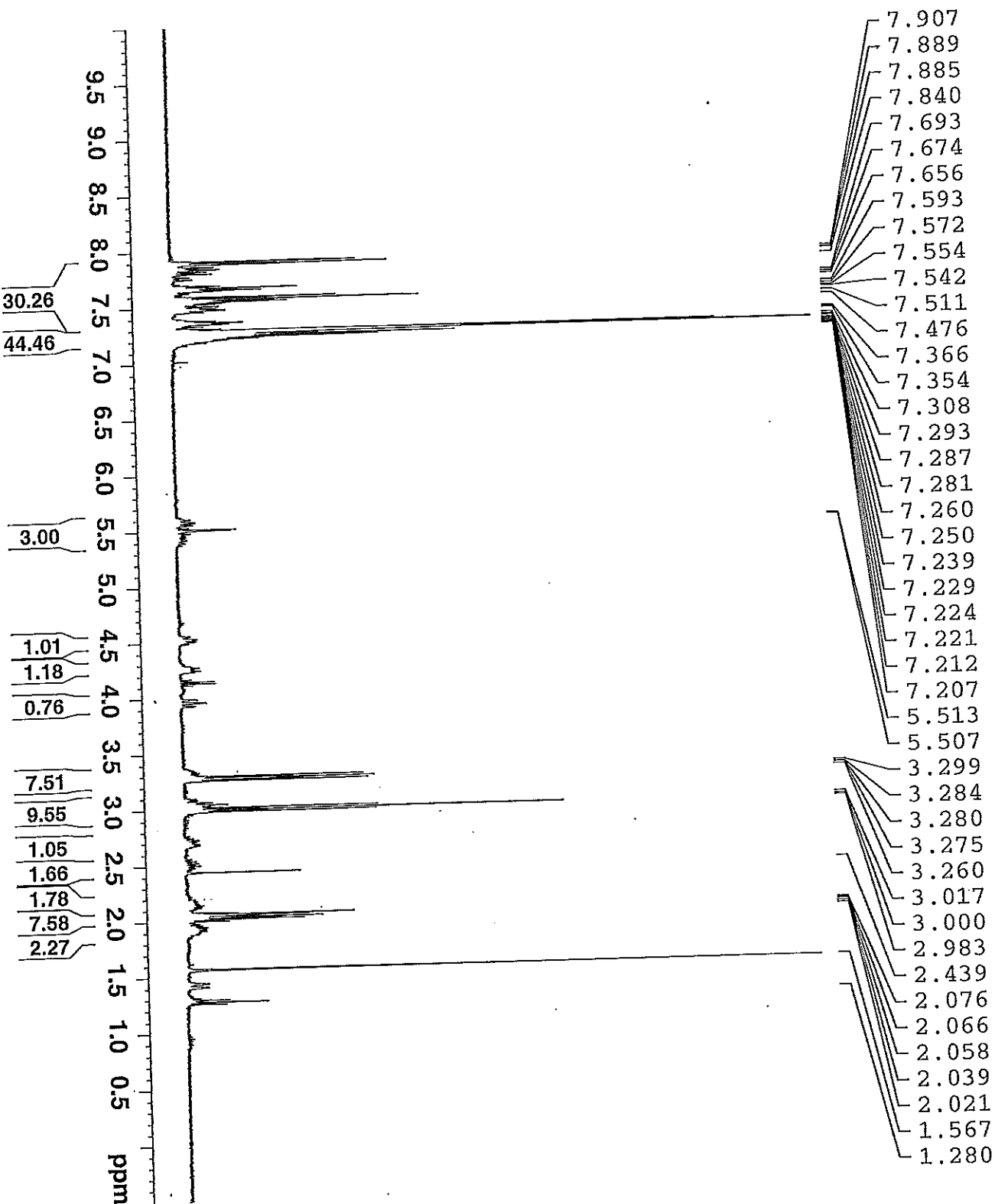
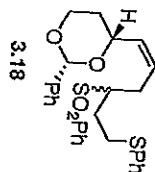
F2 - Acquisition Parameters
Date_ 20101217
Time 23.48
INSTRUM DPX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWE 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.558540 sec
RG 645.1
RG 78.000 usec
DM 6.00 usec
DE 298.2 K
TE 2.0000000 sec
D1 1
TD0

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
 Name: 2S-2-67
 Date: 20101218
 Time: 0.25
 Instrument: DPM400
 Probe: 5 mm BBO HPC10
 PULPROG: zgpg30
 CDCL3: 1200
 NS: 1200
 DS: 4
 SWH: 23980.824 Hz
 FIDRES: 0.364756 Hz
 AQ: 1.384756 sec
 RG: 8192
 AG: 20.850 usec
 DE: 6.00 usec
 TE: 299.2 K
 D1: 0.2000000 sec
 d11: 0.1000000 sec
 DELTA: 1
 F2 - Acquisition Parameters
 Date_: 20101218
 Time: 0.25
 Instrument: DPM400
 Probe: 5 mm BBO HPC10
 PULPROG: zgpg30
 CDCL3: 1200
 NS: 1200
 DS: 4
 SWH: 23980.824 Hz
 FIDRES: 0.364756 Hz
 AQ: 1.384756 sec
 RG: 8192
 AG: 20.850 usec
 DE: 6.00 usec
 TE: 299.2 K
 D1: 0.2000000 sec
 d11: 0.1000000 sec
 DELTA: 1
 F2 - Processing parameters
 SI: 32768
 SF: 100.6416650 MHz
 EQ: 0 Hz
 NSB: 3.00 Hz
 GB: 0
 PC: 1.40

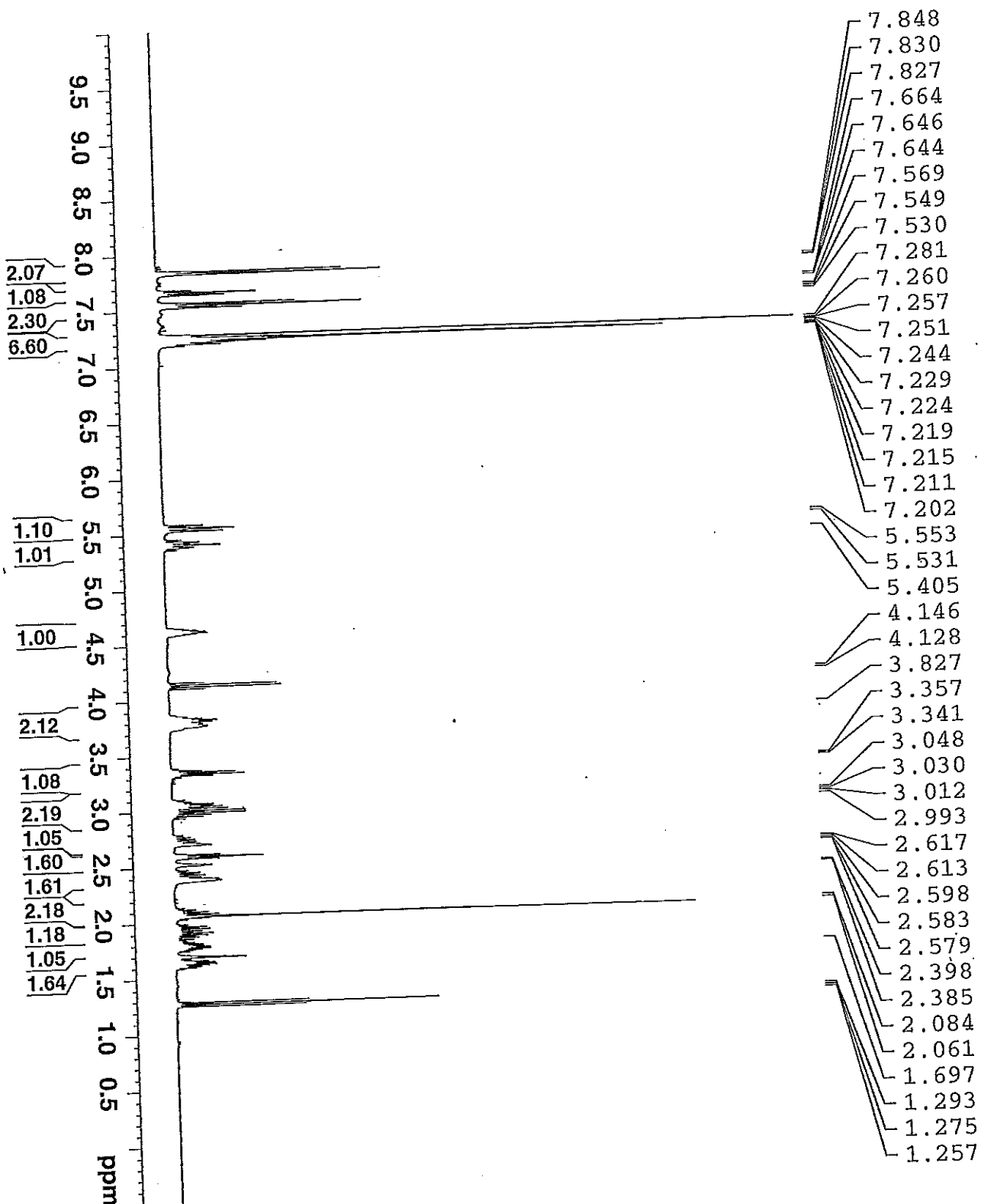
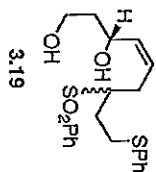


Current Data Parameters
NAME DS-T-48
EXCNO 3
PROCNO 1
DU /m
USER dongs

F2 - Acquisition Parameters
Date 20100531
Time 11.04

INSTRUM DFX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.559540 sec
RG 1024
RG 78.000 usec
DW 6.00 usec
DE 298.2 K
TE 2.0000000 sec
D1 1
TD0

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz
F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
NAME DS-2-74
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110107
Time 16.21
INSTRUM DFX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 322.5
RG 78.000 usec
DE 5.00 usec
TE 298.2 K
D1 2.00000000 sec
TD0 1

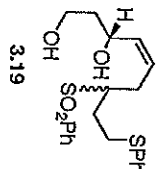
===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing Parameters
SI 400.2450000 MHz
SF 32768
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

137.58
135.68
135.28
134.76
134.70
133.90
130.11
129.32
129.06
128.69
126.65
126.10
125.40

77.36
77.25
77.04
76.72
71.19
67.14
67.08
62.51
62.41
61.01
60.92
60.42

38.53
38.42
31.23
27.49
26.99
26.12
25.85
21.07
14.21



200
180
160
140
120
100
80
60
40
20
ppm

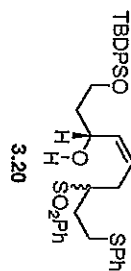
Current Data Parameters
NAME DS-274
EXPNO 2
PROCNO 1
DU /m
USER dongs

F2 - Acquisition Parameters
Date_ 20110107
Time 17:46
INSTRUM DFK400
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 2500
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.364795 sec
RG 3264
RM 2.0850 usec
WDW 6.00 usec
TE 298.2 K
D1 0.20000000 sec
d11 0.03000000 sec
DELTA 0.10000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.30 usec
PL -2.00 dB
SFO1 100.6217495 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 -3.00 dB
SFO2 400.2466010 MHz

F2 - Processing parameters
SI 32768
SF 100.6216850 MHz
WDW 8
SSB 0
LB 3.00 Hz
GB 0
PC 1.40



```

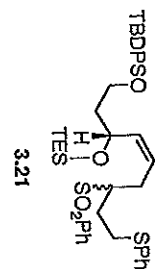
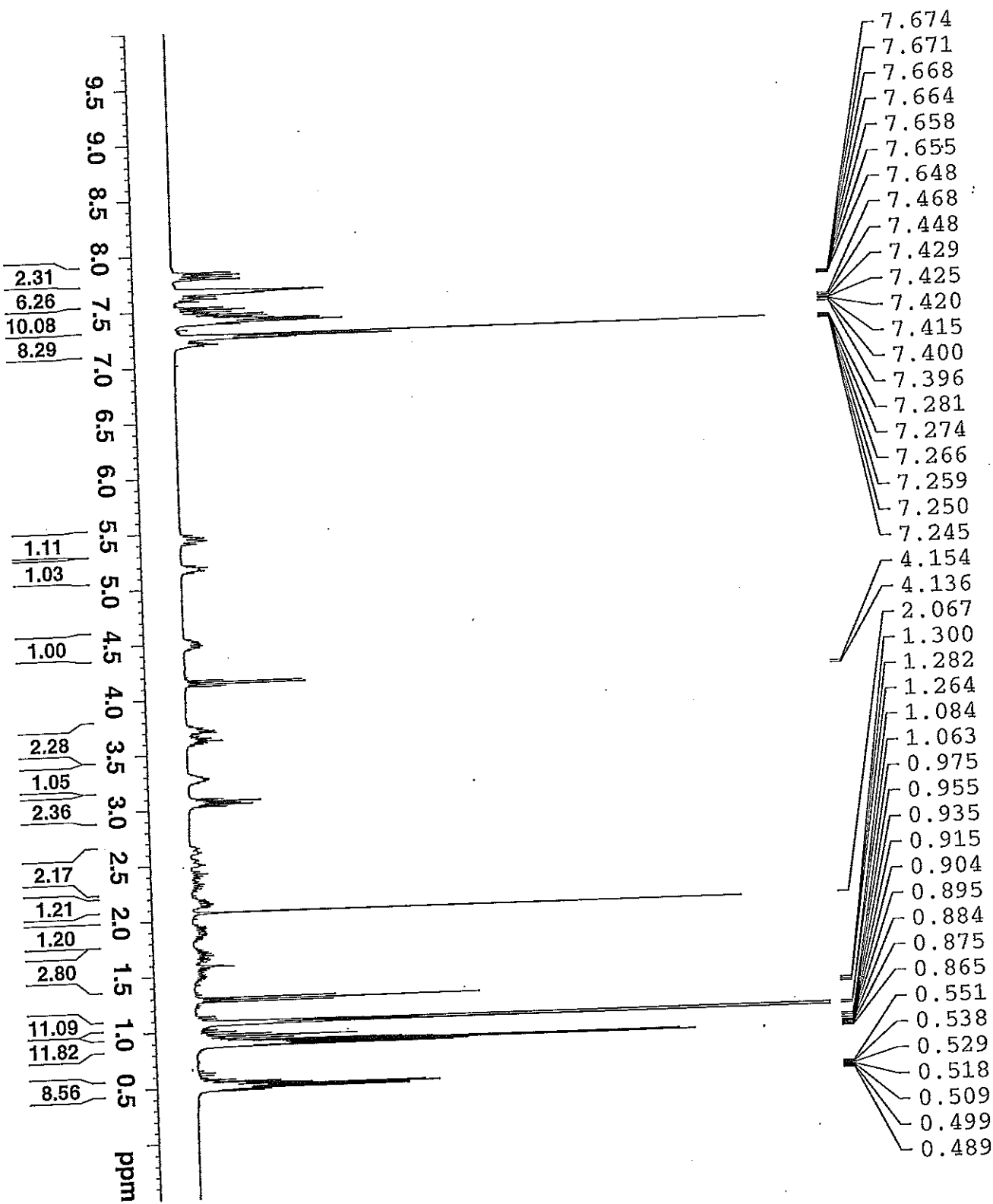
Current Data Parameters
NAME          DS-2-76
EXTNO         3
PRONO         1
USER          dongs
DU            /m

F2 - Acquisition Parameters
Date-        20110107
Time         14.05
INSTRUM      DEXA00
PROBHD       5 mm BBO BB-1H
PULPROG      ZG30
TD           32768
FIDRES       0.0013
SOLVENT      CDCl3
NS           10
DS           2
SWH           6410.256 Hz
AQ           0.195625 Hz
RG           2.5559540 sec
RG           912.3
WDW           78.000 usec
SSB           6.00 usec
DE           298.2 K
TE           2.00000000 sec
D1           1
TPO

===== CHANNEL f1 =====
NUC1          1H
P1           13.50 usec
P2           -3.00 dB
PR1          400.2478017 MHz
SE01

F2 - Processing parameters
SI           32768
SF           400.2450000 MHz
WDW          EM
SSB          0
LB           0.30 Hz
GB           0
PC           1.00

```



Current Data Parameters	
NAME	DS-2-79
EXPNO	1
PROCNO	1

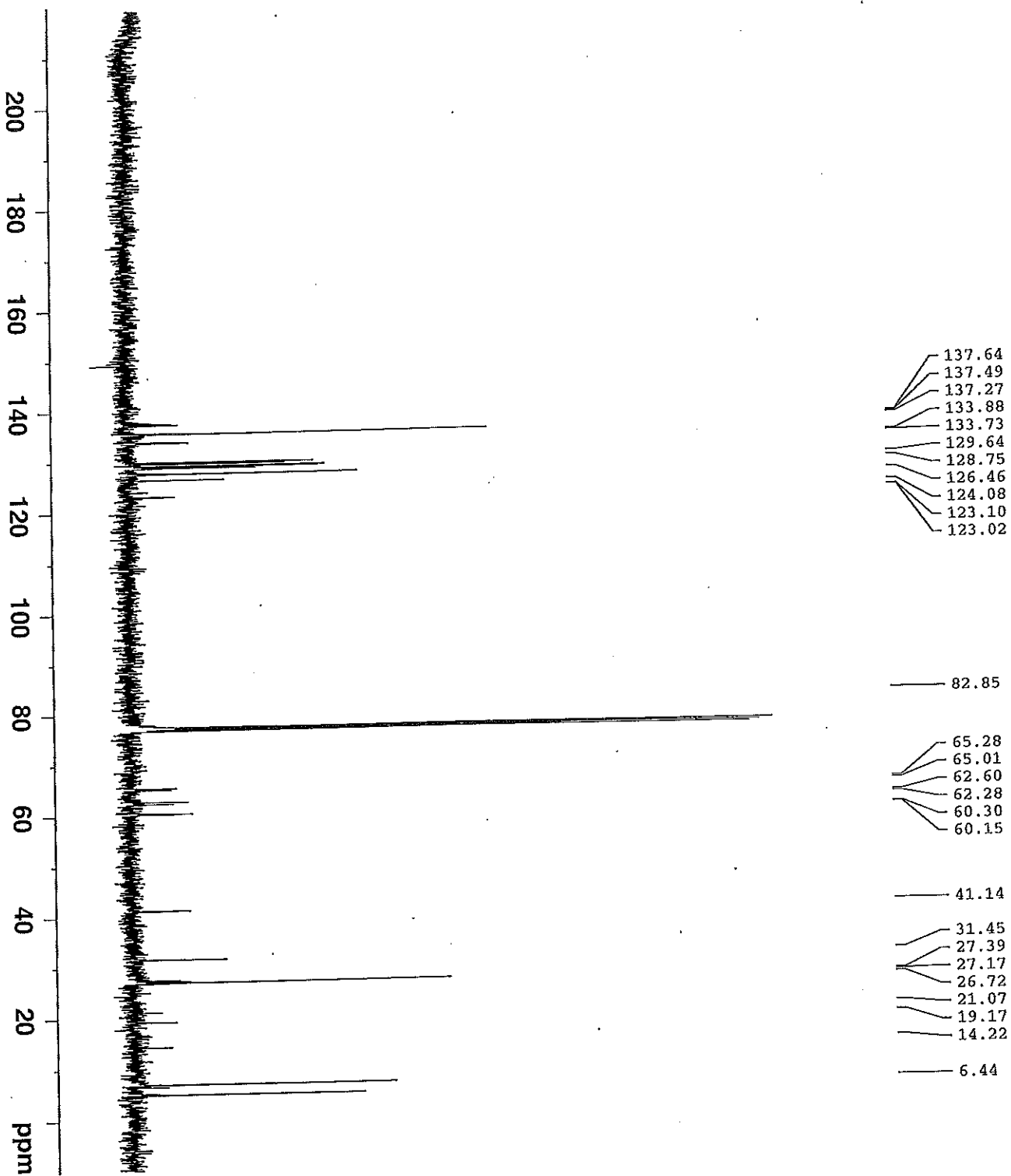
```

F2 - Acquisition Parameters
-----
Date_      20110110
Time       22.16
INSTRUM    DEK400
PROBHD     5 mm BBO BB-1H
PULPROG    zg30
TD         32768
SOLVENT     CDCl3
NS         10
DS         2
SWH         6410.256 Hz
FIDRES     0.155625 Hz
AQ         2.555954 sec
RG         143.7
DM         78.000 use
DE         6.00 use
TE         298.2 K
D1         2.0000000 sec
TD0        1

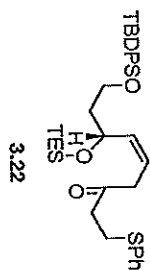
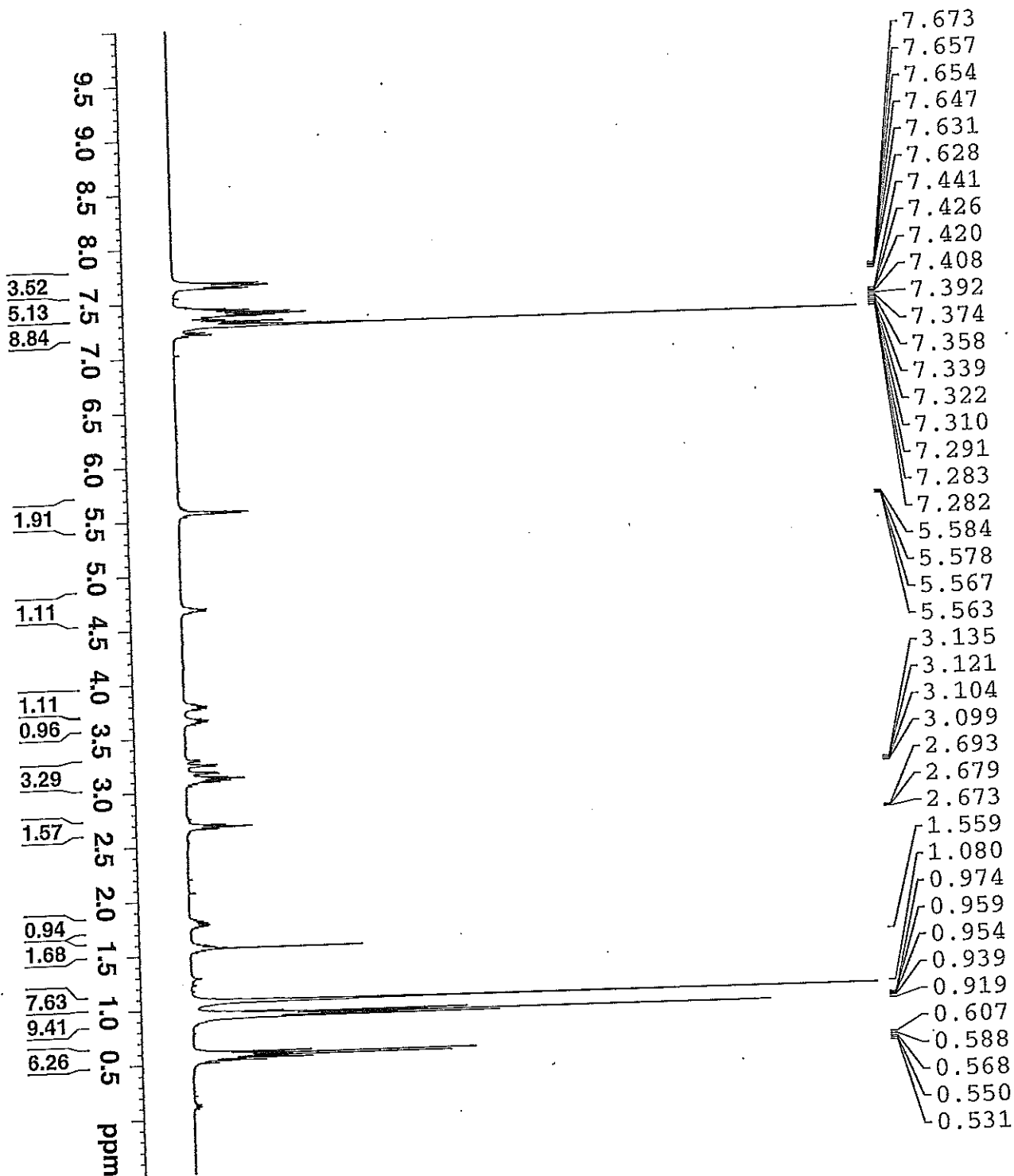
```

```
===== CHANNEL F1 =====
NDUCL      1E
P1          13.50 use
F01         -3.00 dB
SF01        400.2478017 MHz

F2 ~ Processing Parameters
SI          32768
SF          400.2450000 MHz
WDW         EM
SSB         0
LB          0.30 Hz
GB          0.30
PC          1.00
```

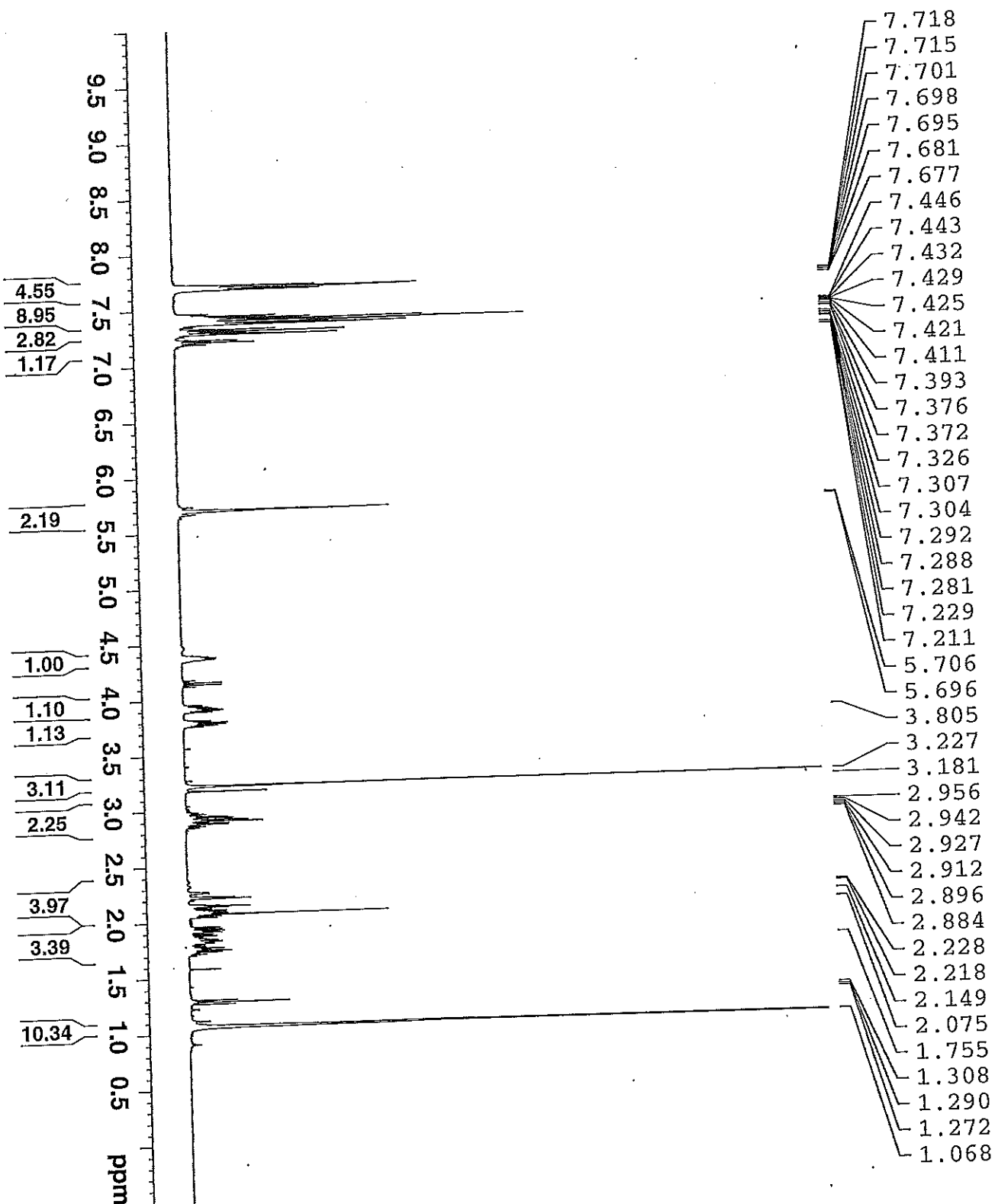
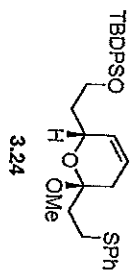


prod



NAME DS-2-85
 EXPNO 1
 PROCNO 1
 Date_ 20110121
 Time 10.53
 INSTRUM robinson
 PROBD 5 mm PABBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 6793.478 Hz
 FIDRES 0.207320 Hz
 AQ 2.4117749 sec
 RG 181
 DW 73.600 usec
 DE 6.50 usec
 TE 298.2 K
 D1 2.0000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 14.00 usec
 PL1 0.00 dB
 SFO1 400.1424008 MHz
 SI 32768
 SF 400.1400000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



Current Data Parameters
NAME DS-2-94
EXNO 1
PROCNO 1
PU /m
USER dongs

F2 - Acquisition Parameters
Date 20110204
Time 10.36
INSTRUM DEK400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
CQC13
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 114
RG 78.000 usec
DM 6.00 usec
DE 298.2 K
TE 1
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
CB 0.30 Hz
GB 0
PC 1.00

135.58
135.55
129.61
129.35
128.96
128.90
127.65
126.10
121.13

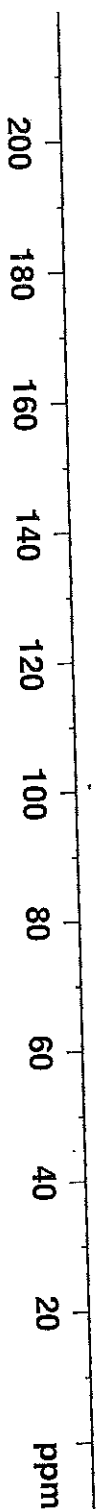
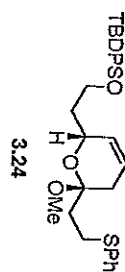
98.23

77.37
77.05
76.73

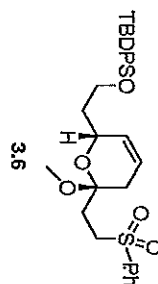
65.49
60.03

48.30

37.93
36.08
33.08
27.83
26.86
19.21



Current Data Parameters
NAME JS-2-74
EXPNO 3
PROCNO 1
F2 - Acquisition Parameters
Date_ 20110204
Time 11:16
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 2000
DS 4
SWH 23980.814 Hz
FIDRES 0.462745 Hz
AQ 1.566275 sec
RG 8192
DE 20.850 usec
TE 298.2 K
DE 6.00 usec
D1 0.2000000 sec
d11 0.0300000 sec
DELTA 0.1000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 13C
P1 8.30 usec
PL1 -3.00 dB
SFO1 100.6517495 MHz
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P2 90.00 usec
PL2 -3.00 dB
PL12 15.00 dB
PL13 15.00 dB
SFO2 400.2466010 MHz
F2 - Processing Parameters
SI 32768
SF 100.641850 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40



```

Current Data Parameters
NAME          DS-2-07
EXNO          1
PRONO         2

P2 - Acquisition Parameters
NAME          20100914
DATE          16.22
INSTRUM       DEK400
PROBHD        .5 MM BB-1H
PULPROG       zgpg
TD            12768
SOLVENT       CDCl3
NS            20
DS            2
SWH            640.026 Hz
FIDRES        0.1564625 Hz
AQ            2.559540 sec
RG            50.8
DE            78.000 usec
TE            6.00 usec
ME            298.2 K
D1            2.00000000 sec
TD0           1

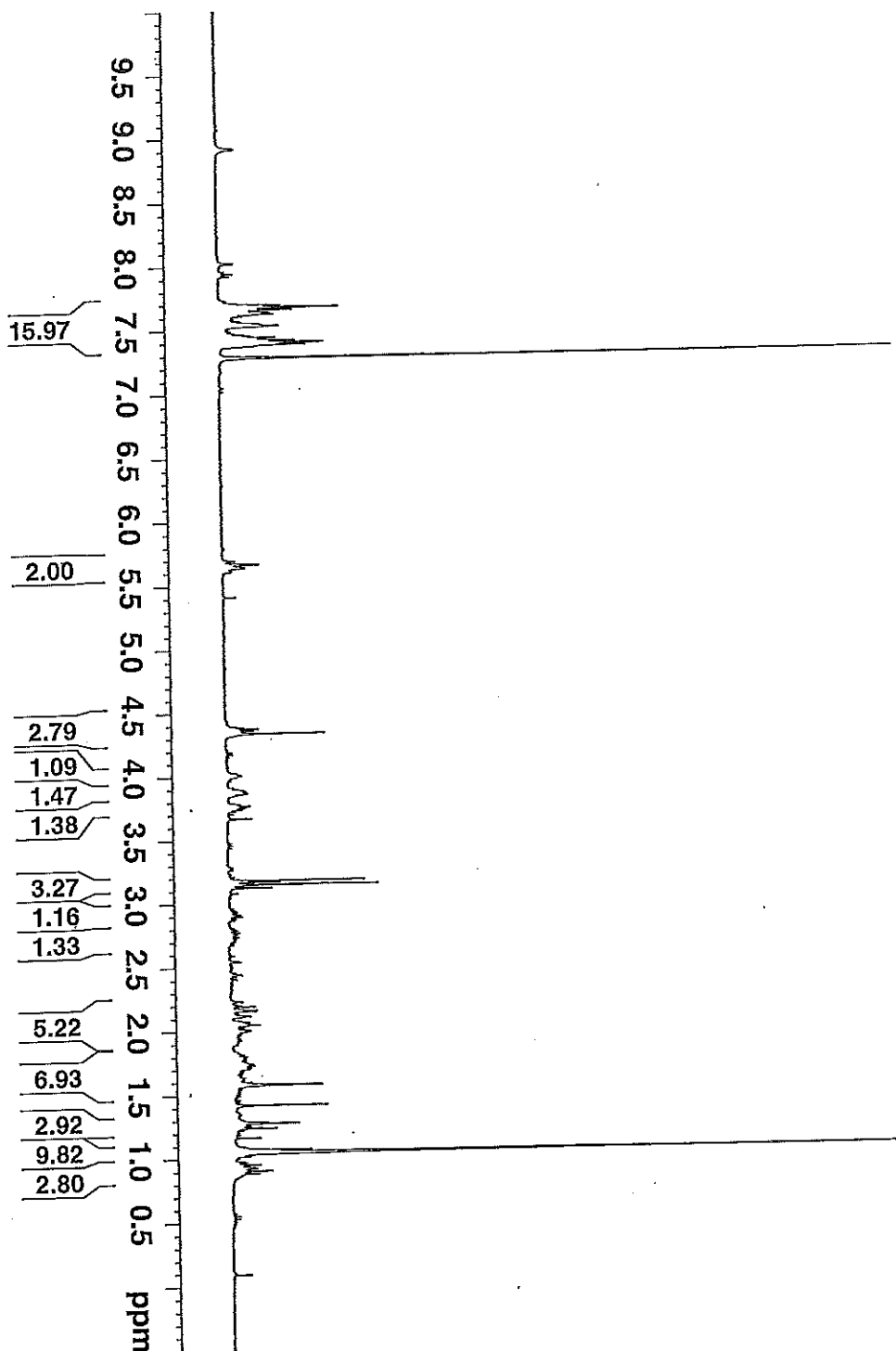
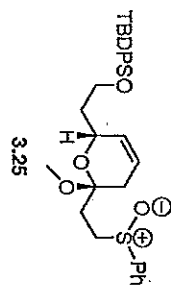
CHANNEL F1
NUC1           1H
P1            13.50 usec
PL1           -3.00 dB
FREQ1         400.2678011 MHz

F2 - Processing Parameters
SI            32768
SF            400.2650000 MHz
WDW           EM
SSB            0
LB            0.30 Hz
GB            0
PC            1.00

```

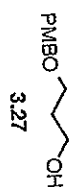

3rd spot

- 7.693
- 7.677
- 7.660
- 7.658
- 7.640
- 7.635
- 7.624
- 7.551
- 7.543
- 7.541
- 7.533
- 7.441
- 7.435
- 7.431
- 7.419
- 7.403
- 7.386
- 5.669
- 4.375
- 4.361
- 4.338
- 3.766
- 3.181
- 3.169
- 3.148
- 3.124
- 2.193
- 2.161
- 2.048
- 1.730
- 1.578
- 1.419
- 1.278
- 1.238
- 1.163
- 1.070
- 1.048
- 0.952
- 0.932
- 0.924
- 0.905
- 0.886

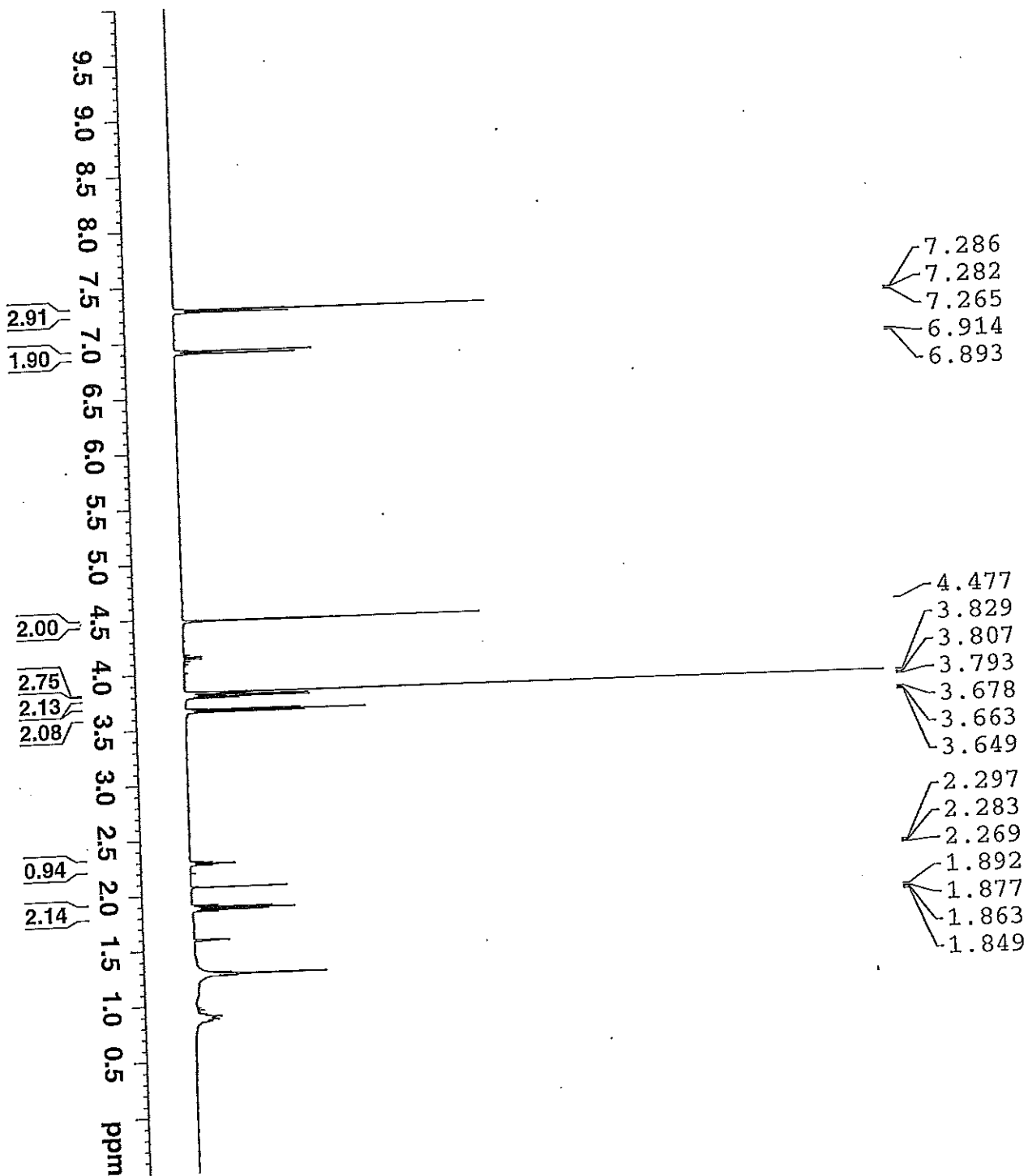


NAME DS-3-10
 EXPNO 3
 PROCNO 1
 Date_ 20110221
 Time 10.18
 INSTRUM robinson
 PROBD 5 mm PABO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 6793.478 Hz
 FIDRES 0.207320 Hz
 AQ 2.4117749 sec
 RG 181
 DW 73.600 us
 DE 6.50 us
 TE 298.3 K
 DL 1
 TDO 2.00000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 14.00 us
 PL 0.00 dB
 SFO1 400.1424008 MHz
 SI 32768
 SF 400.1400000 MHz
 WDW EM
 SSB 0
 GB 0
 PC 1.00



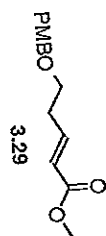
3.27



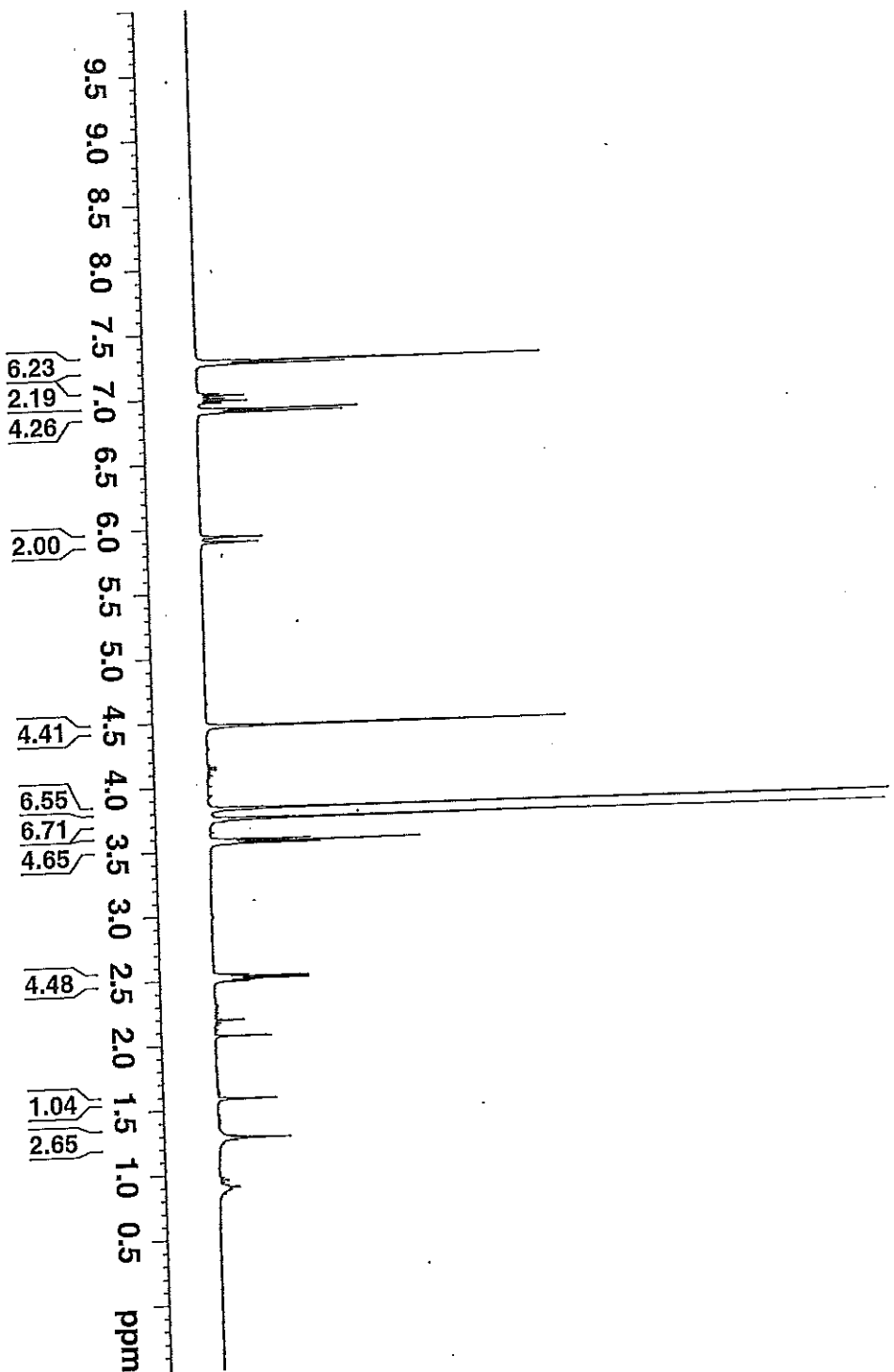
NAME DS-4-24
EXPNO 1
PROCNO 1
Date_ 20110712
Time 12.01
INSTRUM robinson
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
FIDRES 0.207320 Hz
AQ 2.4117749 sec
RG 161.3
DW 73.600 usec
DE 6.50 usec
TE 298.2 K
D1 2.00000000 sec
TDO 1

==== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL1 0.00 dB
SFO1 400.1424008 MHz
SI 32768
SF 400.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

E-isomer



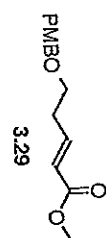
- 7.283
- 7.263
- 7.020
- 7.003
- 6.998
- 6.981
- 6.913
- 6.892
- 5.934
- 5.931
- 5.895
- 5.891
- 4.471
- 3.829
- 3.750
- 3.590
- 3.574
- 3.558
- 2.545
- 2.542
- 2.529
- 2.526
- 2.512
- 2.509
- 2.496
- 2.492
- 1.582
- 1.282



NAME DS-4-13
 EXPNO 2
 PROCNO 1
 Date_ 20110703
 Time 16.59
 INSTRUM robinson
 PROBD 5 mm PABBO BB-
 PULPROG zg30
 TD 32768
 FIDRES 0.207320 Hz
 AQ 2.4117749 sec
 RG 161.3
 DW 73.600 use
 DE 6.50 use
 TE 298.3 K
 D1 2.0000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUCL 1H
 P1 14.00 us
 PL 0.00 dB
 SFO1 400.1424008 MHz
 SI 32768
 SF 400.1400000 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

p25-E



166.96
159.24
146.10
130.12
129.38
122.46
113.83
72.77
67.96
55.32
51.53
32.69
31.97
29.75
29.41
22.74
14.19

200 180 160 140 120 100 80 60 40 20 ppm

```

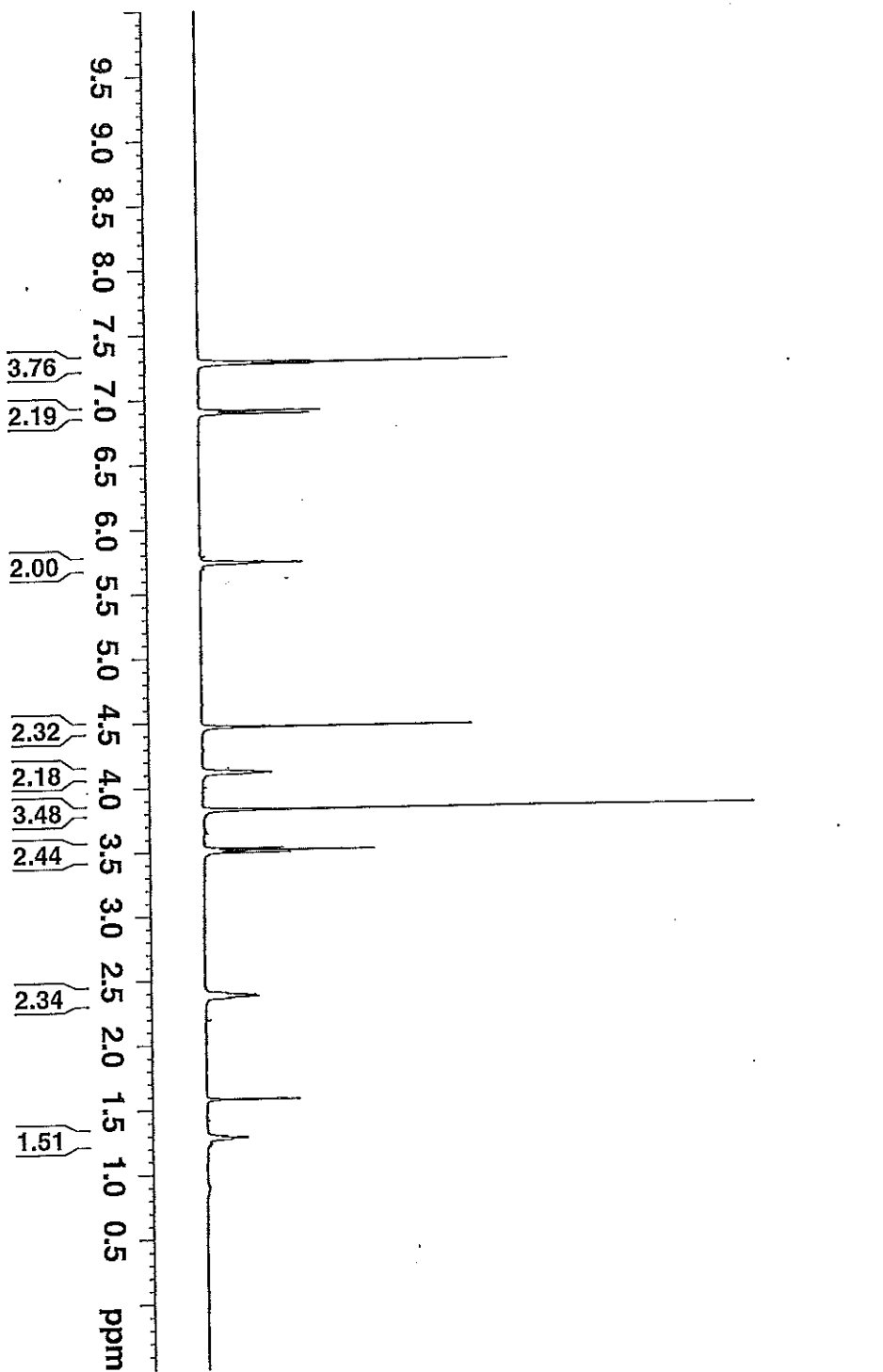
NAME DS-4-25
EXPNO 2
PROCNO 1
Date_ 20110720
Time 11.56
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zgpg30
TD 98304
F2 98304
SOLVENT CDCl3
NS 110
DS 4
SMH 41666.668 Hz
FIDRES 0.423855 Hz
AQ 1.1796980 sec
RG 203
RG 203
DM 12.000 usec
DE 15.00 usec
TE 298.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PL1 4.50 dB
PL1W 38.14553833 W
SFO1 176.0629186 MHz

===== CHANNEL f2 =====
waitz16
CPDPRG2 1H
NUC2 1H
PCPD2 65.00 usec
PL2 -3.20 dB
PL2 13.60 dB
PL12 120.00 dB
PL13 120.00 dB
PL1W 33.59817505 W
PL12W 0.70196527 W
PL13W 0.00000000 W
SFO2 700.1228005 MHz
SI 131072
SF 176.0453140 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40
  
```



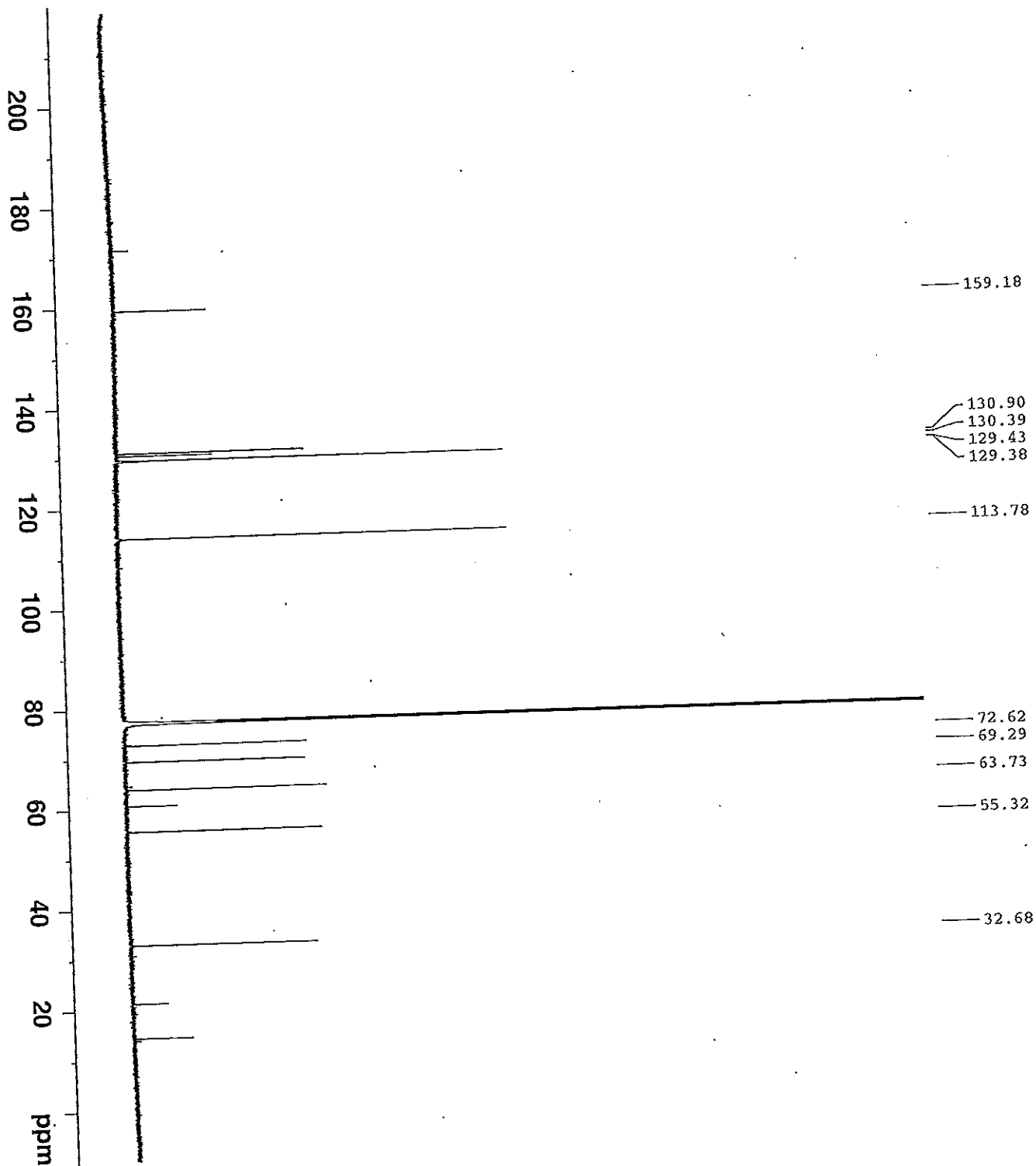
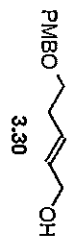
7.291
7.282
7.270
6.918
6.911
6.907
6.895
6.890
5.749
5.746
5.741
5.729
4.468
4.129
4.119
3.828
3.531
3.514
3.497
2.404
2.390
2.388
2.380
2.377
2.363
1.582
1.301
1.287
1.275



```

NAME          DS-4-15
EXPNO         1
PROCNO        1
Date_         20110704
Time          11.19
INSTRUM       robinson
PROBHD        5 mm PABBO BB-
PULPROG       zg30
TD            32768
SOLVENT       CDCl3
NS            10
DS            2
SWH           6793.478 Hz
FIDRES        0.207320 Hz
AQ            2.4117749 sec
RG            181
DE            73.600 usec
TE            298.2 K
D1            2.0000000 sec
TD0           1

===== CHANNEL f1 =====
NUC1          1H
P1            14.00 usec
PL1           0.00 dB
SFO1          400.1424008 MHz
SI            32768
SF            400.1400000 MHz
WDW           EM
SSB           0
LB            0.30 Hz
GB            0
PC            1.00
  
```



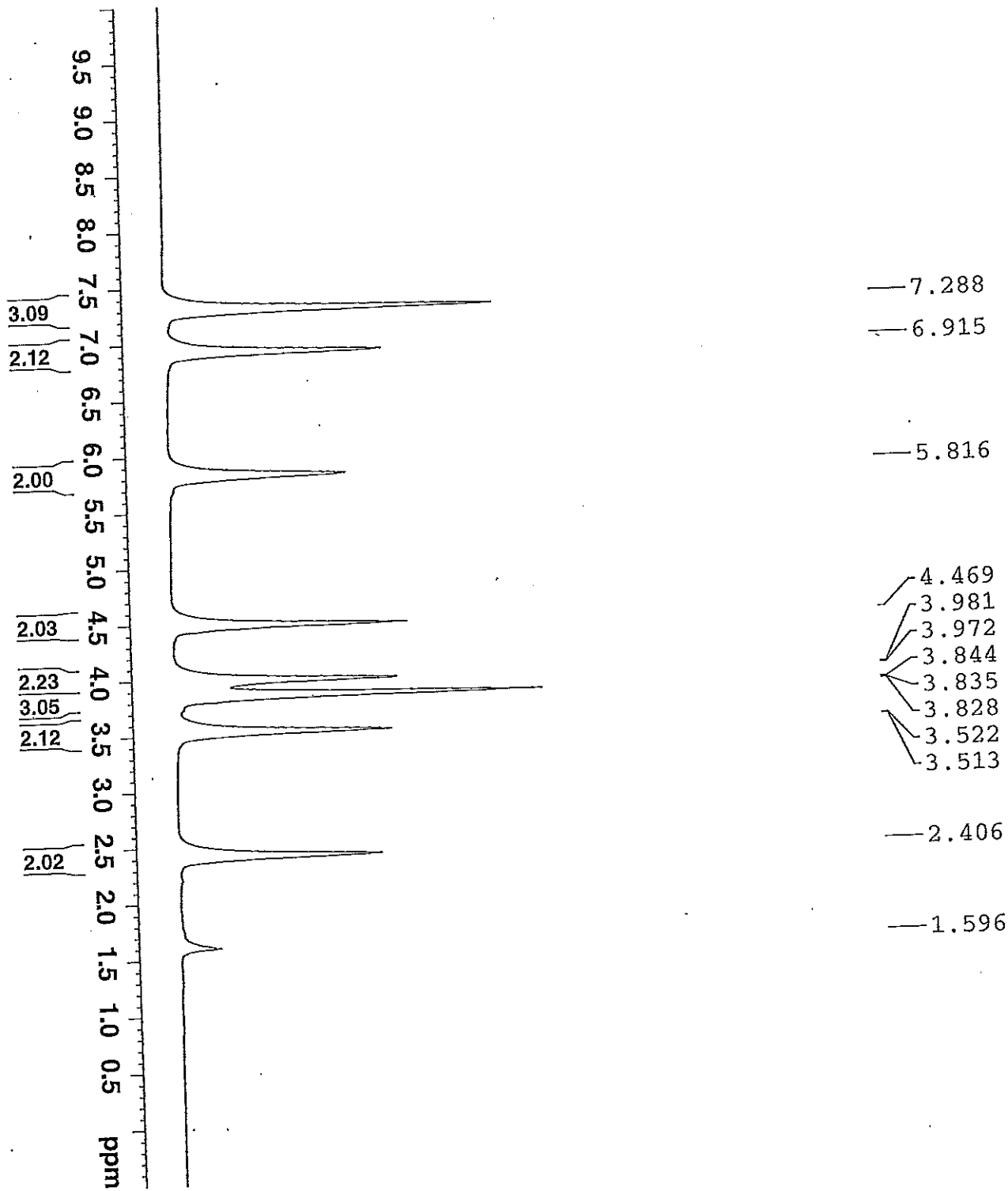
```

NAME          DS-4-28
EXPNO         2
PROCNO        1
Date_         20110720
Time         11.37
INSTRUM       spect
PROBHD        5 mm CPDCH 13C
PULPROG       zgpg30
TD            98304
FIDRES        0.423855 Hz
AQ            1.1736980 sec
RG            203
DE            12.000 us
TE            298.2 K
D1            2.00000000 s
D11           0.03000000 s
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            9.00 u
PL1           4.50 dB
PL1W          38.1453833 W
SFO1          176.0629186 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         65.00 u
PL2           3.20 dB
PL12          13.50 dB
PL13          120.00 dB
PL1W          33.59817505 W
PL2W          0.70196527 V
PL3W          0.00000000 V
SFO2          700.1228005 MHz
SI            131072
SF            176.0453140 MHz
WDW            EM
SSB            0
LB            3.00
GB            0
PC            1.40
  
```

bromide

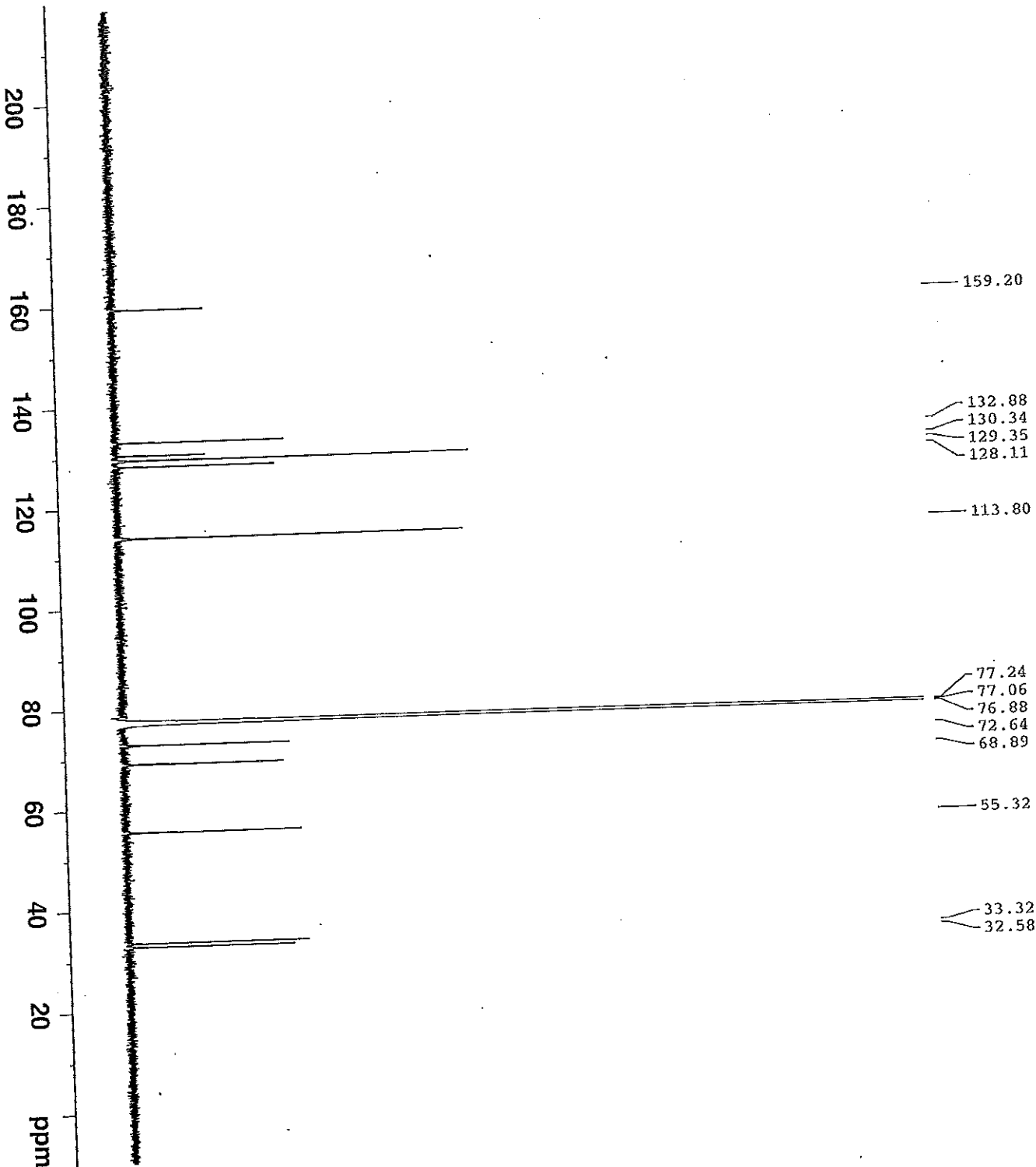
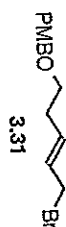


```

NAME          DS-4-34
EXPNO          1
PROCNO         1
Date_         20110723
Time          14.07
INSTRUM        spect
PROBHD         5 mm CPDCH 13C
PULPROG        zg30
TD             95236
SOLVENT        CDCl3
NS             32
DS             2
SWH            11904.762 Hz
FIDRES         0.125003 Hz
AQ             3.9999521 sec
RG             128
RG             42.000 usec
DE             16.50 usec
TE             298.2 K
D1             2.00000000 sec
TD0            1

===== CHANNEL f1 =====
NUC1           1H
P1             9.40 usec
PL             -3.20 dB
PR1           33.59817505 W
PULPR1         700.1245508 MHz
SFO1           131.072
SI             700.1200000 MHz
SF             700.1200000 MHz
WDW            EM
SSB            0
GB             0
PC             1.00
  
```

bromide



```

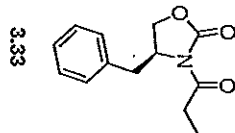
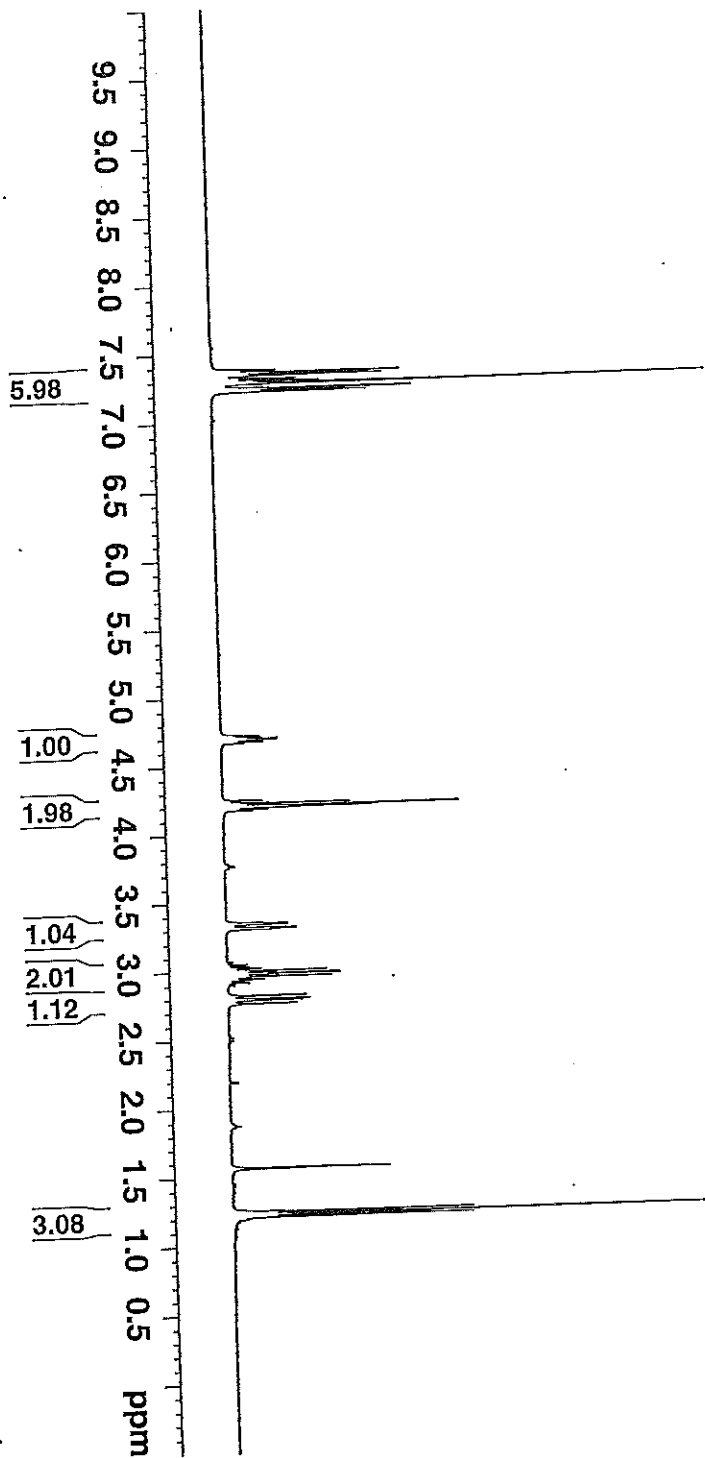
NAME          DS-4-34
EXPNO          2
PROCNO         1
Date_          20110723
Time           14.20
INSTRUM        spect
PROBHD         5 mm CPDCH 13C
PULPROG        zgpg30
TD             98304
SOLVENT        CDCl3
NS             354
DS            4
SWH            41666.668 Hz
FIDRES        0.423855 Hz
AQ            1.176980 sec
RG            203
DE            12.000 us
TE            15.00 us
WE            298.2 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            9.00 us
PL1           4.58 dB
PL1W          38.1453833 W
SFO1          176.062186 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         65.00 us
PL2           -3.20 dB
PL12          13.60 dB
PL13          120.00 dB
PL1W          33.59817505 W
PL12W         0.70196527 W
PL13W         0.00000000 W
SFO2          700.1228005 MHz
SI            131072
SF            176.0453140 MHz
WDW           EM
SSB           0
GB            0
PC            1.40
  
```

crude

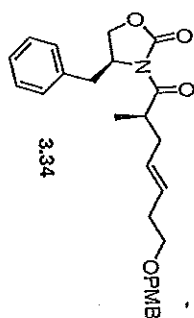
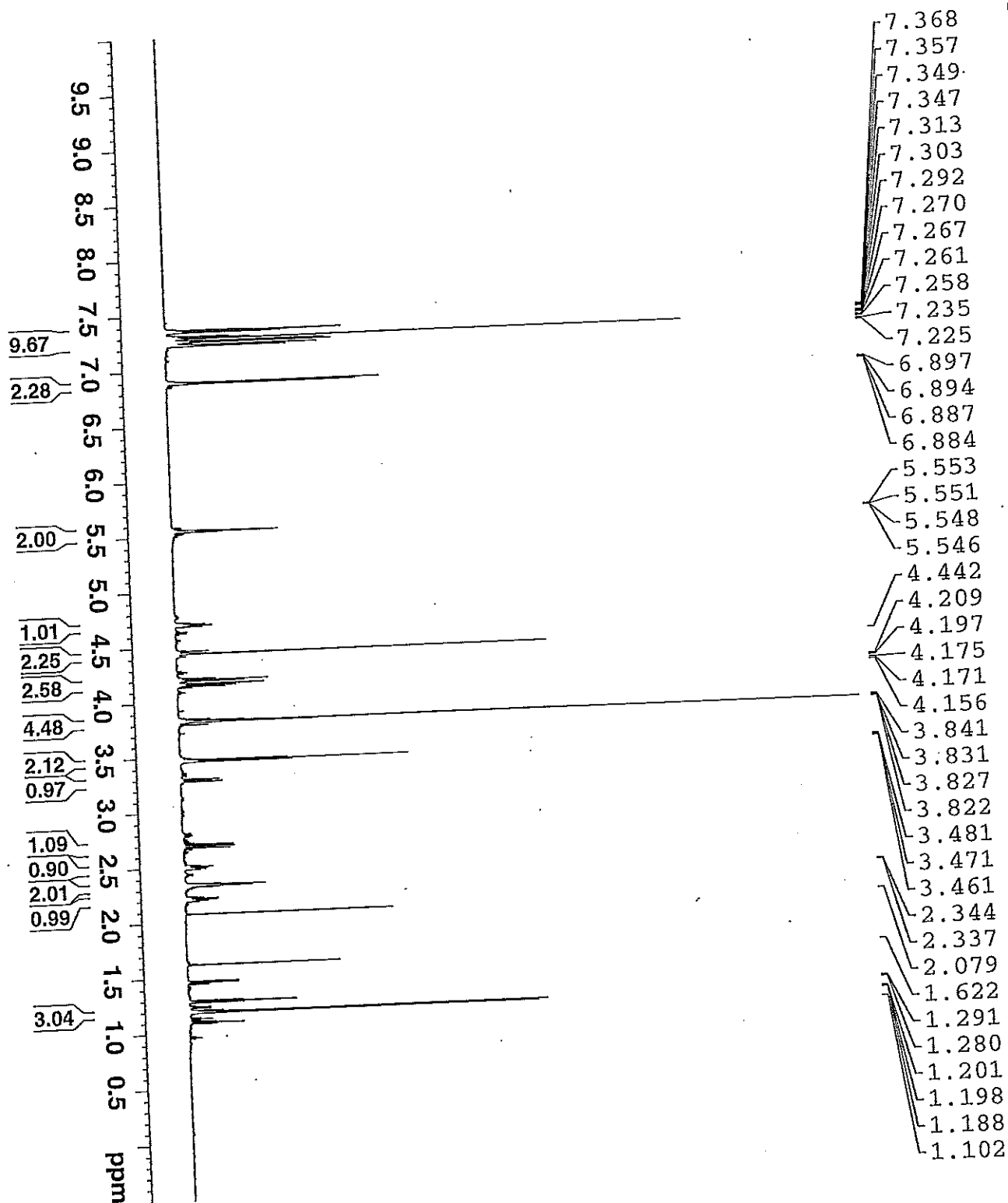
- 7.378
- 7.361
- 7.342
- 7.317
- 7.299
- 7.291
- 7.283
- 7.243
- 7.225
- 4.720
- 4.711
- 4.702
- 4.695
- 4.687
- 4.678
- 4.251
- 4.228
- 4.209
- 4.200
- 4.186
- 3.353
- 3.345
- 3.319
- 3.311
- 3.025
- 3.007
- 3.002
- 2.988
- 2.983
- 2.965
- 2.946
- 2.824
- 2.800
- 2.791
- 2.767
- 1.567
- 1.250
- 1.232



NAME DS-4-14
 EXPNO 1
 PROCNO 1
 Date_ 20110703
 Time 12.20
 INSTRUM robinson
 PROBD 5 mm PABBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 6793.478 Hz
 FIDRES 0.207320 Hz
 AQ 2.4117749 sec
 RG 181
 DW 73.600 us
 DE 6.50 us
 TE 298.3 K
 D1 2.00000000 se
 TD0 1

===== CHANNEL f1 =====
 NUCL 1H
 PL 14.00 us
 PL1 0.00 dB
 SFO1 400.1424008 MHz
 SI 32768
 SF 400.1400000 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

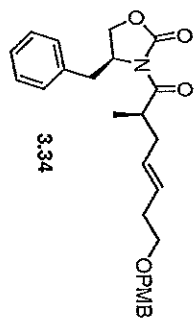
prod



NAME DS-4-30
EXNO 1
PRONO 1
Date 20110721
Time 15.01
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zg30
TD 95236
SOLVENT CDCl3
NS 22
DS 2
SWH 11904.762 Hz
FIDRES 0.123003 Hz
AQ 3.999821 sec
RG 57
RG 42.000 us
DE 16.50 us
TE 298.2 K
TD 2.0000000 sec
TD 1

===== CHANNEL f1 =====
NUC1 1H
P1 9.40 us
PL -3.20 dB
PL1 33.59817505 W
PL1W 700.1245508 M
SFO1 4131072
SI 131072
SF 700.126000 M
WDW EX
SSB 0
GB 0.30 H
PC 1.00

prod



176.68
159.11
153.14
135.39
130.53
129.52
129.44
129.30
128.98
128.64
127.36
113.76
72.54
69.68
66.01
55.39
55.30
38.10
37.56
36.92
33.07
16.42

200
180
160
140
120
100
80
60
40
20
ppm

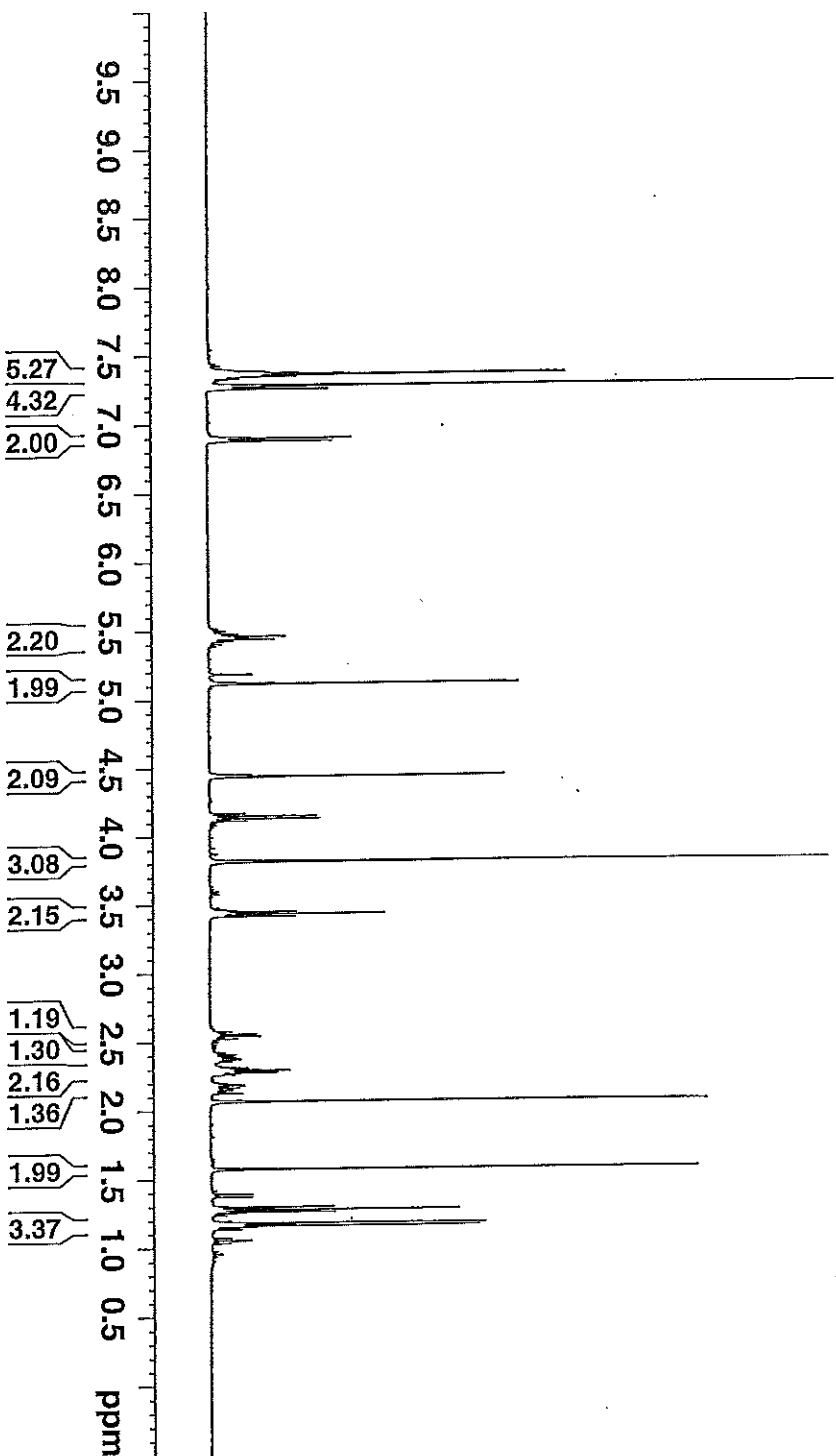
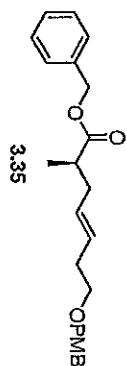
NAME DS-4-34
EXPNO 4
PROCNO 1
Date_ 20110803
Time 16.13
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zgpg30
TD 68304
SOLVENT CDCl3
NS 180
DS 4
SWH 41666.668 Kz
FIDRES 0.423855 Hz
AQ 1.1796980 sec
RG 203
PC 12.000 usec
DE 15.00 usec
TE 298.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PL 4.50 dB
PL1W 38.14553833 W
SFO1 176.0629186 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 65.00 usec
PL2 -3.20 dB
PL12 13.60 dB
PL13 120.00 dB
PL1W 33.59817505 W
PL2W 0.70196527 W
PL1W 0.00000000 W
PL13W 700.122805 MHz
SFO2 400.146340 MHz
SI 131072
SF 400.146340 MHz
WDW EM
SSB 0
LB 3.00 K
GB 0
PC 1.40

prod

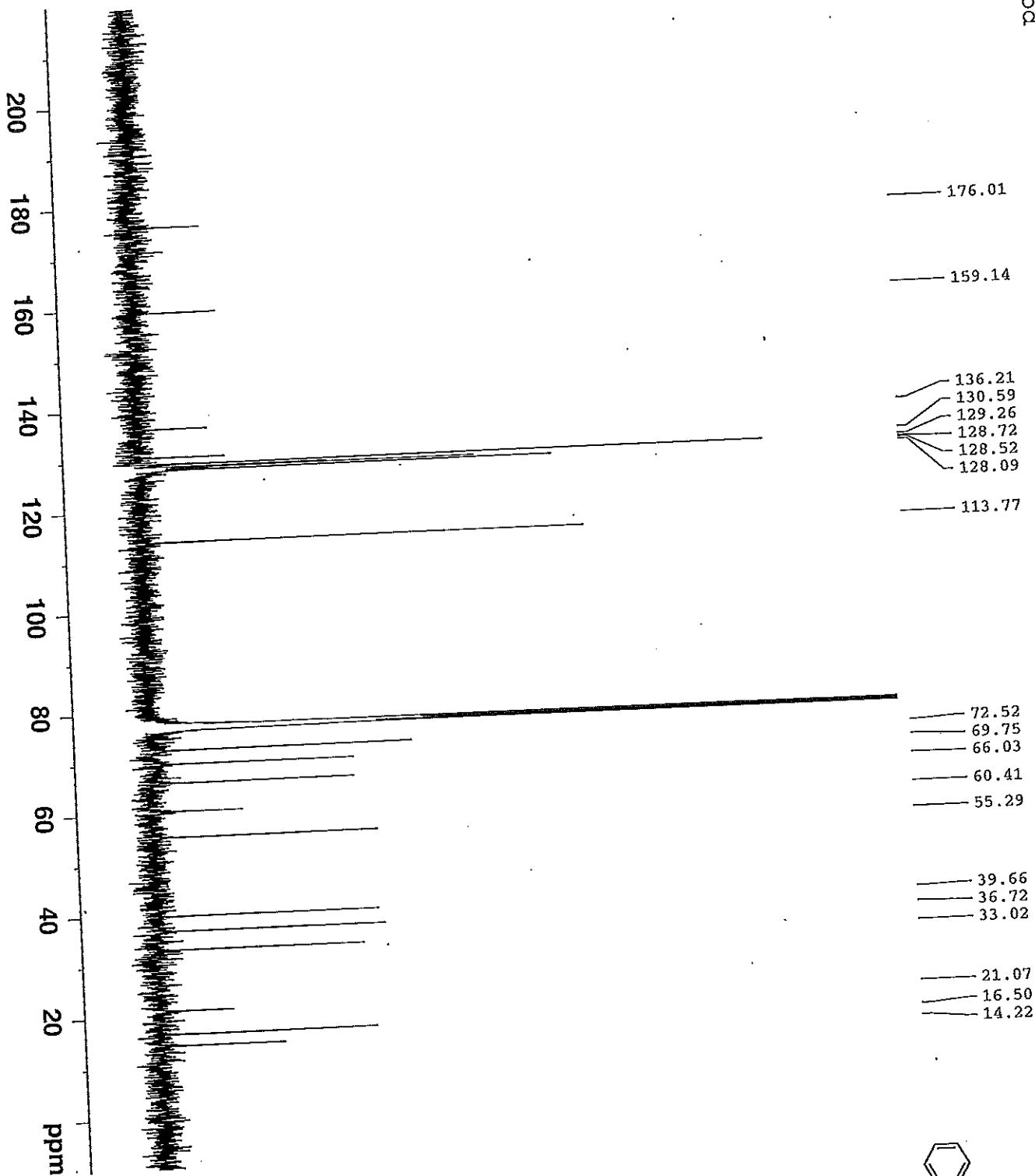
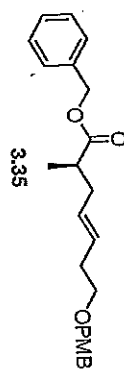
7.381
7.375
7.362
7.351
7.282
7.258
6.908
6.902
6.897
6.885
6.880
5.465
5.459
5.452
5.445
5.187
5.120
4.454
4.442
4.154
4.136
3.826
3.819
3.454
3.437
3.420
2.562
2.544
2.314
2.297
2.282
2.067
1.575
1.392
1.374
1.300
1.282
1.264
1.182
1.165
1.156
1.056



NAME DS-4-55
EXPNO 1
PROCNO 1
Date_ 20110813
Time 13.06
INSTRUM roinson
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6793.478 Hz
FIDRES 0.207320 Hz
AQ 2.4117749 sec
RG 181
DW 73.600 usec
DE 6.50 usec
TE 298.2 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL1 0.00 dB
SFO1 400.1424008 MHz
SI 32768
SF 400.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

prod



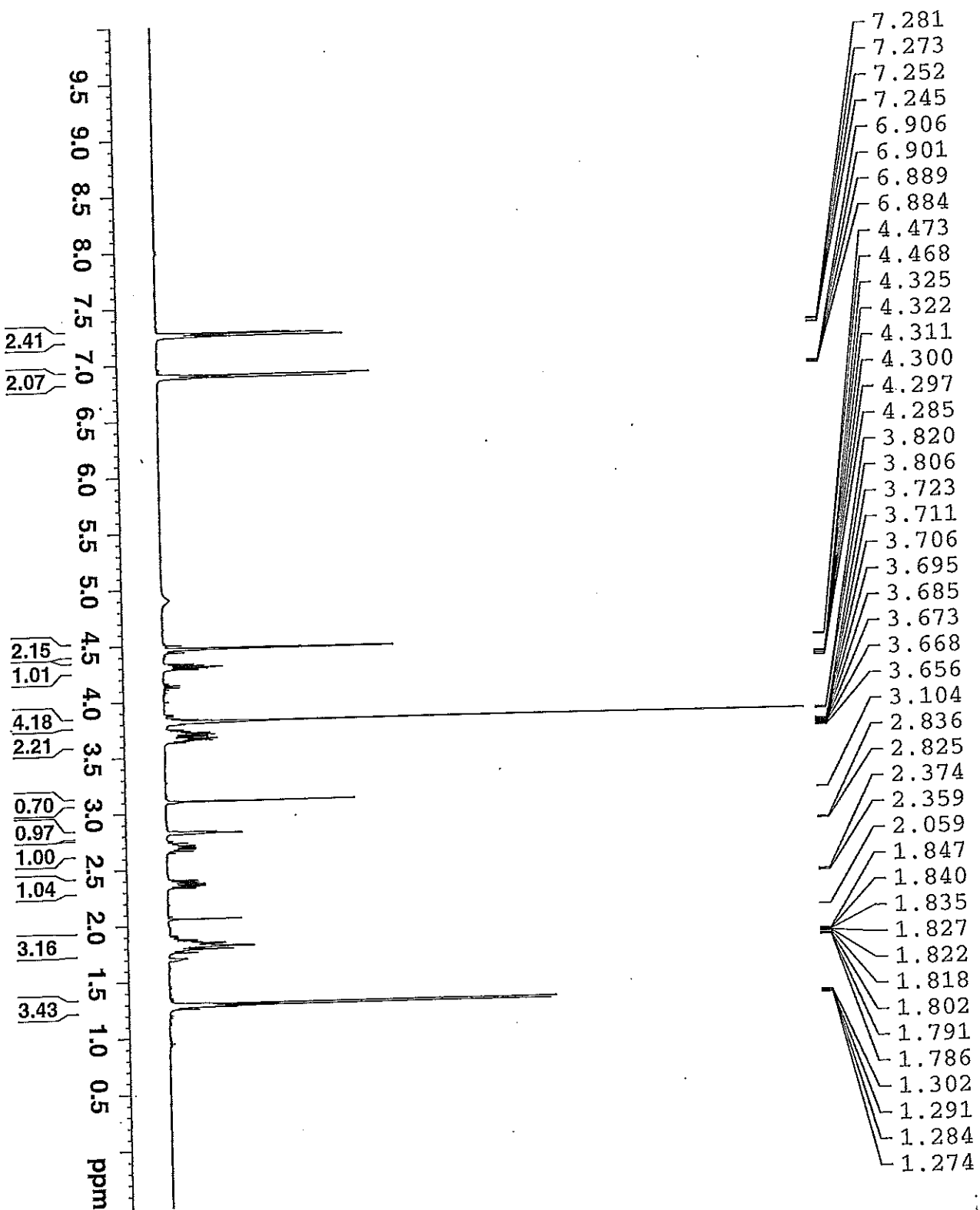
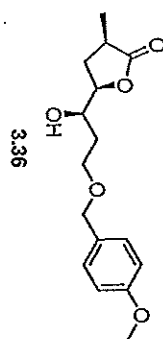
Current Data Parameters
NAME DS-4-55
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110813
Time 17.59
INSTRUM DECA00
PROBHD 5 mm MSL101
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 8000
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.366756 sec
RG 321
RG 20.820 usec
DE 238.2 X
TE 0.20600000 sec
D1 0.03000000 sec
DELTA 0.10000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.15 usec
PL -3.00 dB
SFO1 100.625495 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 0.00 dB
PL12 15.00 dB
PL13 15.00 dB
SFO2 400.2466010 MHz

F2 - Processing parameters
SI 32768
SF 100.6410824 MHz
WDW EM
SSB 0
GB 0
PC 1.40



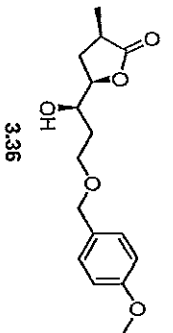
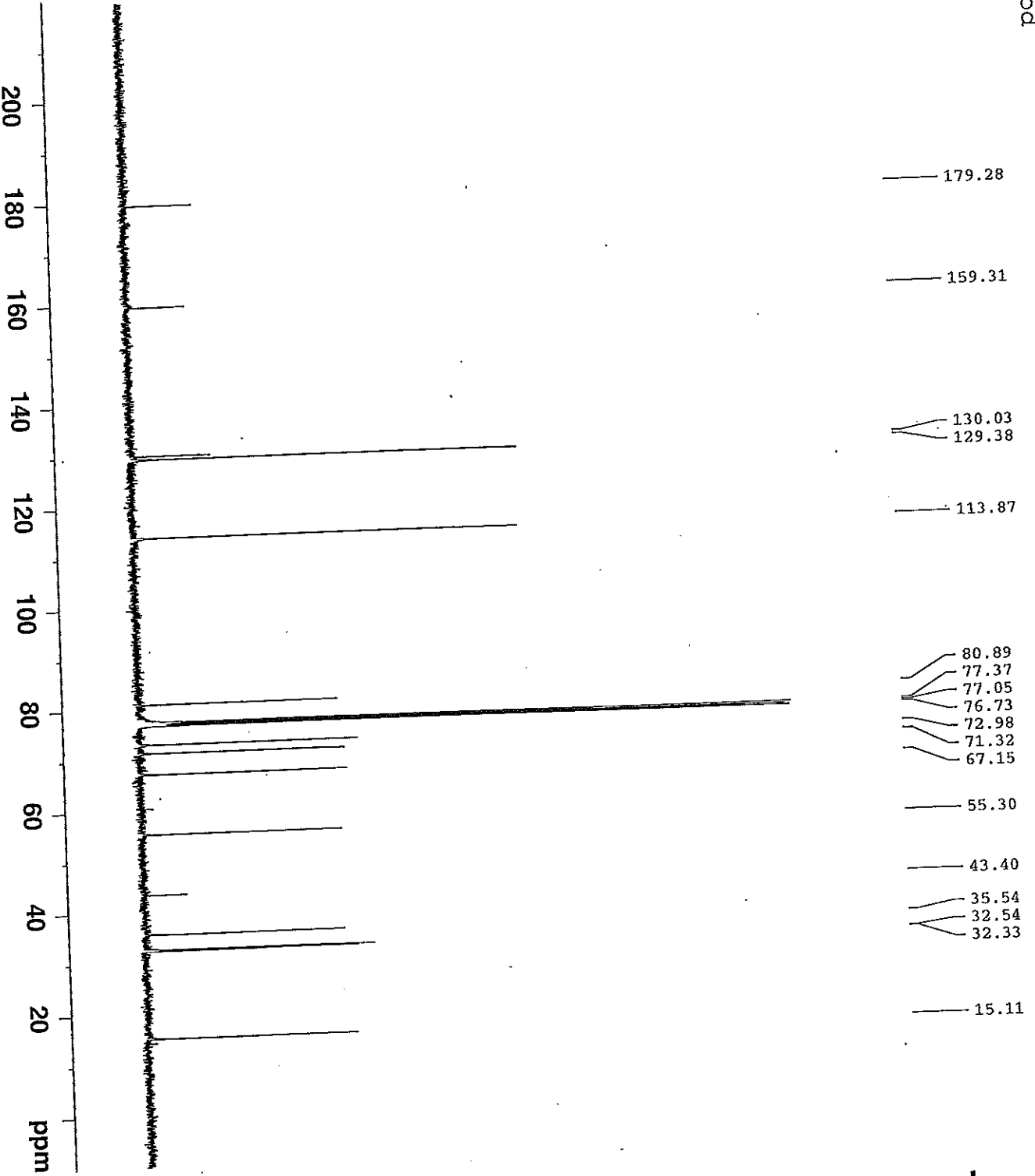
Current Data Parameters
NAME DS-4-52
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 2010813
Time 12.37
INSTRUM DFX400
PROBHD 5 mm Multinuc1
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 181
RG 78.000 usec
DE 5.00 usec
TE 298.2 K
D1 2.0000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing Parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

prod



Current Data Parameters
NAME DS-4-32
EXPNO 1
PROCNO 1

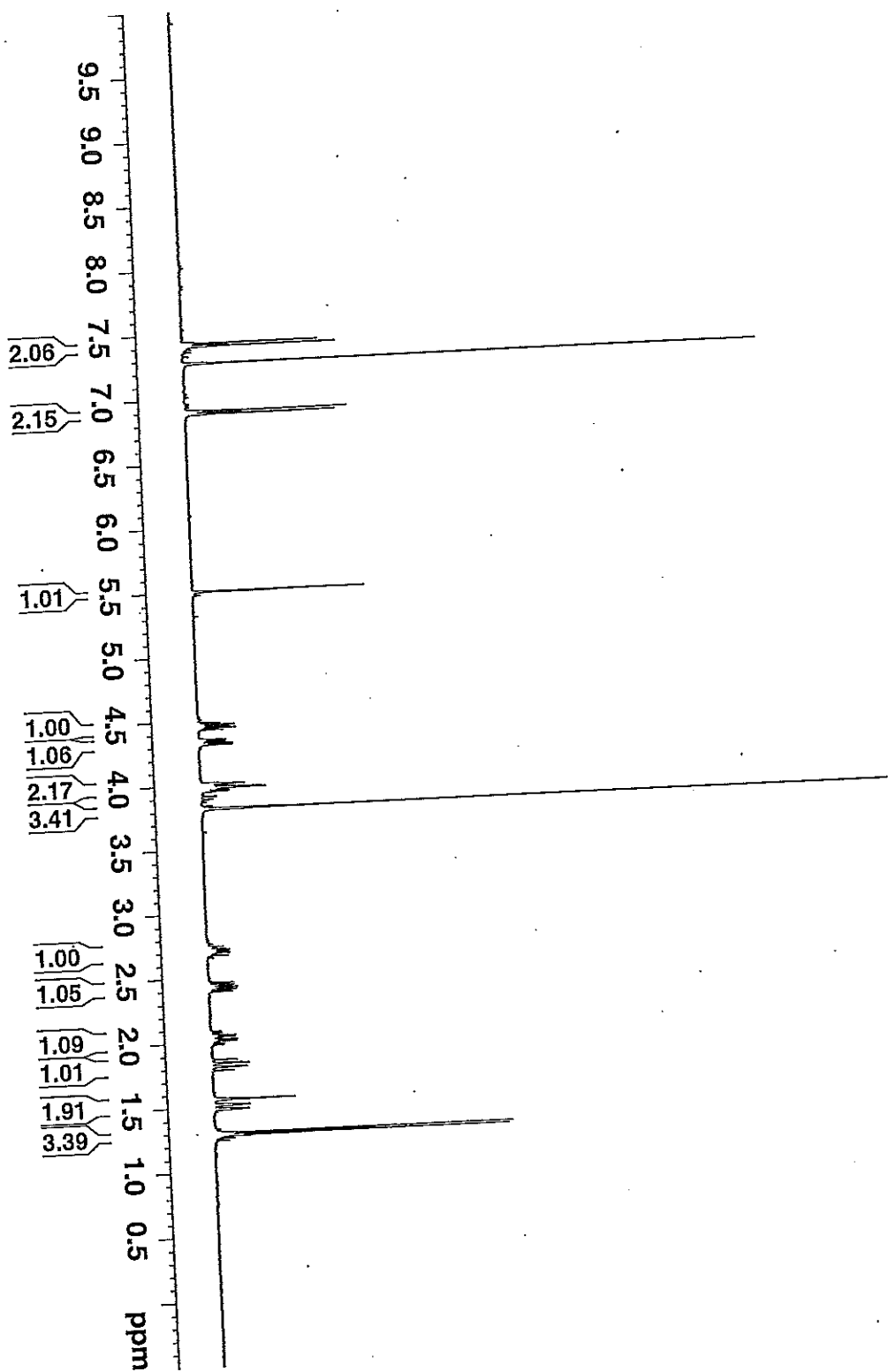
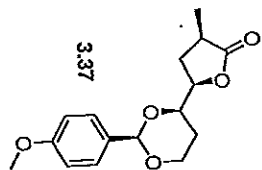
F2 - Acquisition Parameters
Date_ 20110813
Time 13.47
INSTRUM spect
PROBHD 5 mm MSL4000
PULPROG zgpg30
TD 65536
SOLVENT DMS
NS 2000
DS 4
SWH 23980.814 Hz
FIDRES 0.363918 Hz
AQ 1.36372 sec
RG 1283.72
RG 20.850 usec
RW 6.00 usec
RE 298.2 K
DL 0.20000000 sec
d11 0.03000000 sec
DELTA 0.10000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.30 usec
PL1 -3.00 dB
SFO1 100.6517495 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
XPRG2 zgpg30
PCPD2 90.00 usec
PL2 -3.00 dB
PL12 15.00 dB
PL13 15.00 dB
SFO2 400.2466010 MHz

F2 - Processing parameters
SI 32
SF 100.6416850 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

7.434
7.429
7.412
7.281
6.910
6.905
6.893
6.889
5.510
4.477
4.463
4.452
4.437
4.359
4.347
4.330
4.320
4.019
4.014
4.005
3.999
3.990
3.984
3.976
3.970
3.961
3.955
3.821
2.452
2.436
2.429
2.420
2.413
2.060
2.029
2.017
1.872
1.843
1.817
1.565
1.523
1.520
1.487
1.305
1.287



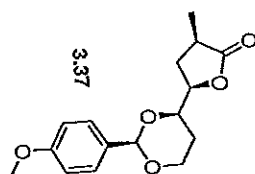
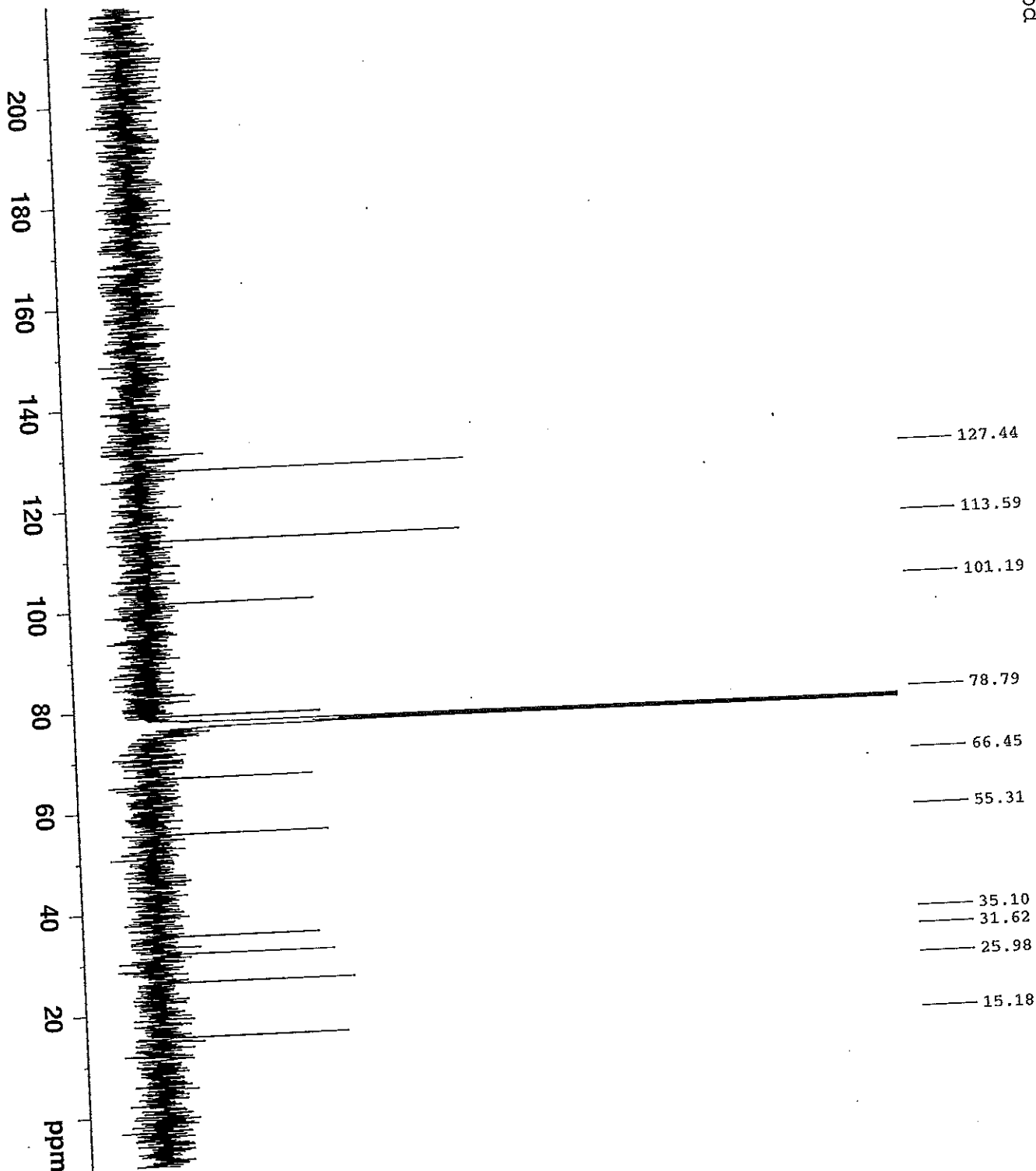
Current Data Parameters
NAME DS-4-58
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110817
Time 18.36
INSTRUM DPX400
PROBHD 5 mm Multinuc1
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.236 Hz
FIDRES 0.125625 Hz
AQ 2.5359540 sec
RG 912.3
DM 78.000 usec
DE 5.00 usec
TE 298.2 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL -3.00 dB
PL1 400.2478017 MHz
SFO1 400.2478017 MHz

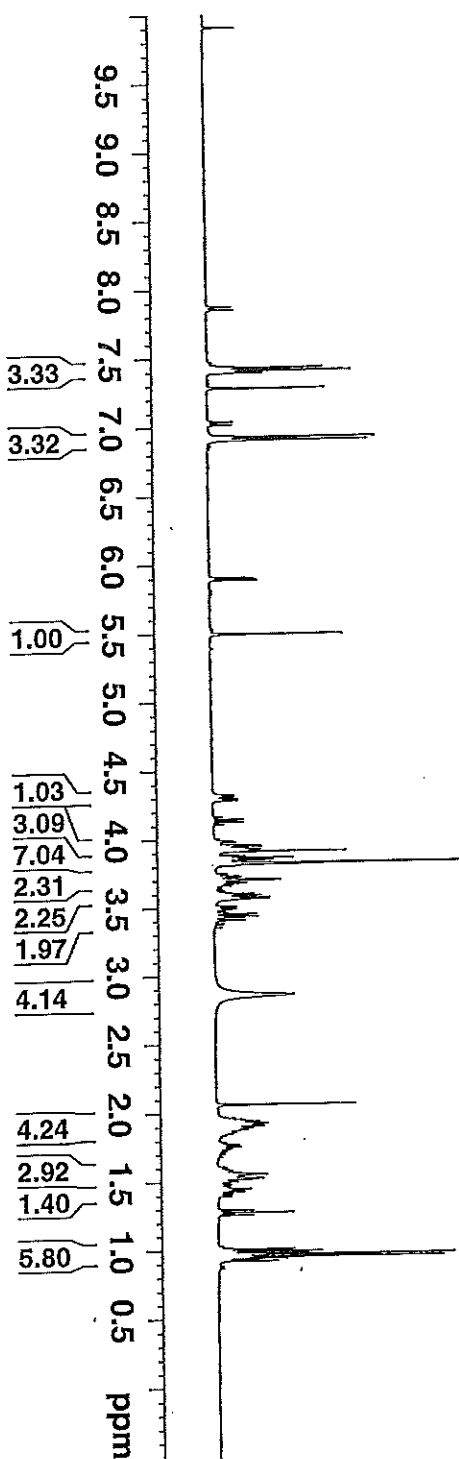
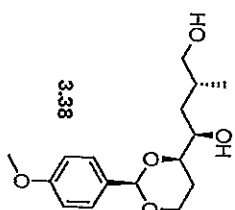
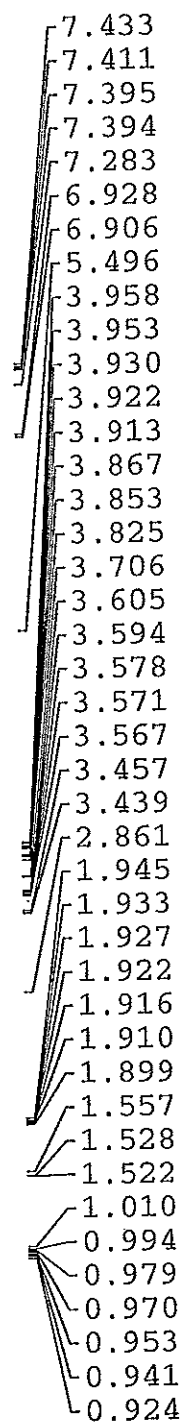
F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

prod



Current Data Parameters
NAME DS-4-58
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20100817
Time 19.14
INSTRUM DEKAD0
PROBHD 5 mm Nal11mm1
PULPROG zgpg30
TD 65536
CQZ13
SOLVENT CDCl3
NS 500
DS 4
SWH 23980.814 Hz
FIDRES 0.365318 Hz
RG 1.3684756 sec
AQ 13.004
RG 1.3004
DE 20.850 usec
TE 300.2 K
D1 0.2000000 sec
d11 0.0300000 sec
DELTA 0.1000000 sec
TD0 1
TD1 1
===== CHANNEL f1 =====
NUC1 13C
P1 9.30 usec
PL1 -3.00 dB
SFO1 100.6217495 MHz
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 19.00 dB
SFO2 400.2466010 MHz
F2 - Processing parameters
SI 32768
SF 100.6416850 MHz
WDW EM
SSB 3.00 Hz
LB 0
GB 1.40
FC

prod



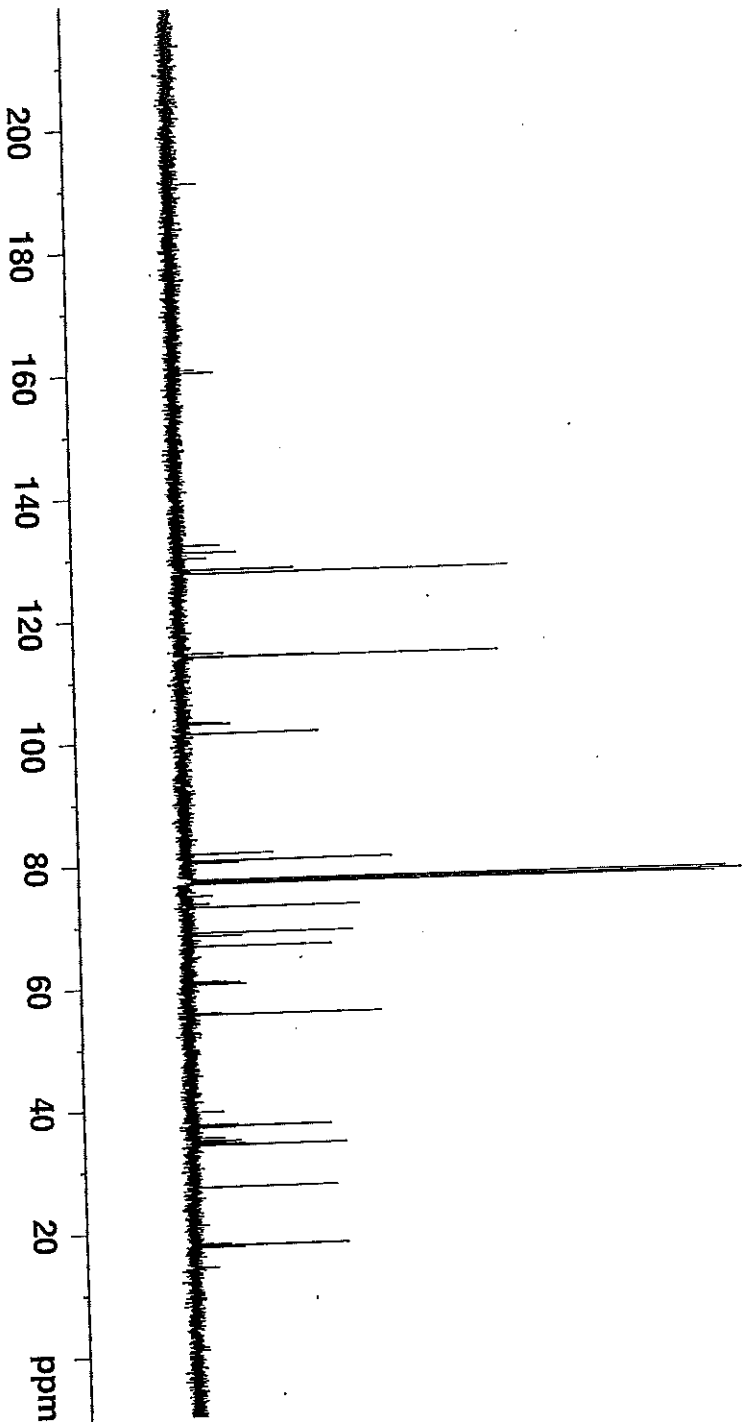
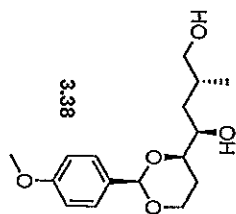
```

NAME          DS-4-61
EXPNO         1
PROCNO        1
Date_         20110822
Time          15.33
INSTRUM       robinson
PROBHD        5 mm PABBO BB-
PULPROG       zg30
TD            32768
SOLVENT       CDCl3
NS            10
DS            2
SWH           6793.478 Hz
FIDRES       0.207320 Hz
AQ           2.4117749 sec
RG           71.8
DW           73.600 usec
DE           6.50 usec
TE           298.1 K
D1           2.0000000 sec
TD0          1

===== CHANNEL f1 =====
NUC1          1H
P1           14.00 usec
PL1          0.00 dB
SFO1         400.1424008 MHz
SI           32768
SF           400.1400000 MHz
WDW          EM
SSB          0
LB           0.30 Hz
GB           0
PC           1.00
  
```

prod

160.09
130.84
128.05
128.01
127.42
113.83
113.66
101.24
80.48
72.90
68.72
66.53
55.32
37.13
34.03
27.17
17.69



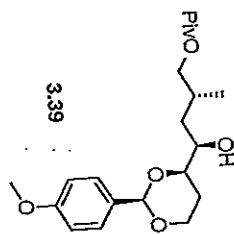
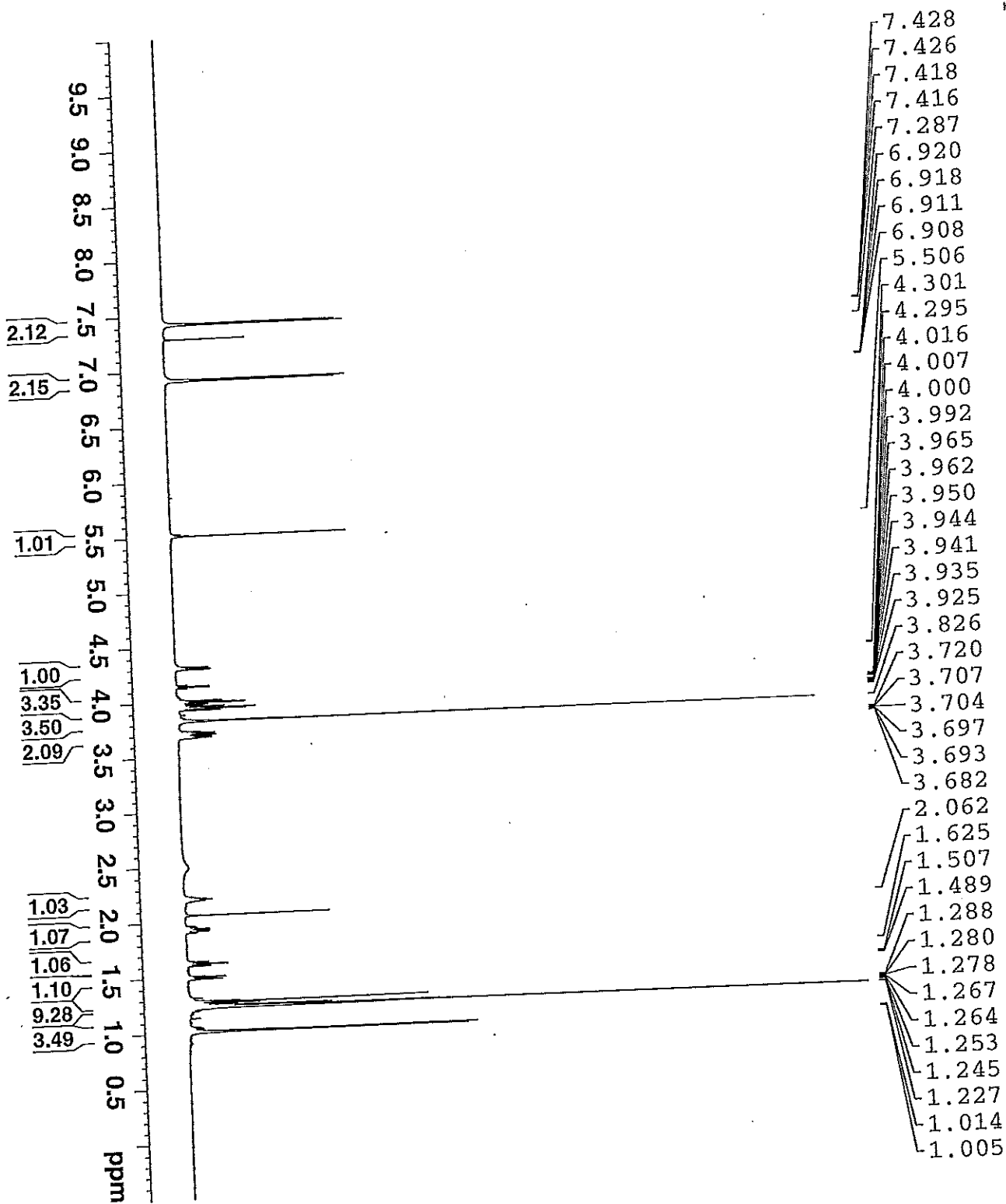
```

NAME          DS-4-61
EXPNO         2
PROCNO        1
Date_         20110822
Time          15.39
INSTRUM       robinson
PROBHD        5 mm PABBO BB-
PULPROG       zgpg30
TD            65536
CQCL3         CDCL3
SOLVENT       NS
NS            566
DS            4
SWH           23980.814 Hz
FIDRES        0.365918 Hz
AQ            1.3664756 sec
RG            18390.4
DM            20.850 usec
DE            6.50 usec
TE            299.0 K
D1            0.20000000 sec
D11           0.03000000 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            9.00 usec
PL            -2.00 dB
SFO1          100.6253446 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         90.00 usec
PL2           0.00 dB
PL12          16.16 dB
PL13          17.00 dB
SFO2          400.1416006 MHz
SI            32768
SF            100.6152830 MHz
WDW            EM
SSB            0
LB            1.00 Hz
GB            0
PC            1.40
  
```

pure prod



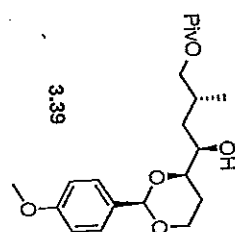
NAME DS-4-68
EXTNO 1
PROCNO 1
Date 2011024
Time 12.08
INSTRUM spect
PROBHD 5 mm PABBO 280
PULPROG zgpg30
TD 95236
SOLVENT CDCl3
NS 18
DS 2
SFE 11904.762 Hz
0.125003 Hz
FIDRES 3.9999621 sec
AQ 50.8
RG 42.000 us
DM 6.50 us
DE 300.5 K
TE 2.00000000 s
D1 1
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.75 us
PL -3.00 dB
FLL 32.08600616 MHz
SFO1 700.1516910 MHz
SI 131072
SF 700.1471400 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

pure prod

178.49
160.07
130.95
127.36
113.64
101.12
80.49
77.22
77.04
76.85
71.33
69.62
66.50
55.30
38.87
35.68
29.19
27.24
27.16
27.07
16.16

200 180 160 140 120 100 80 60 40 20 ppm

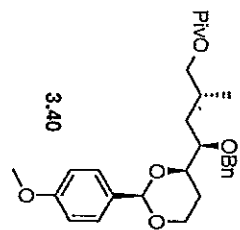
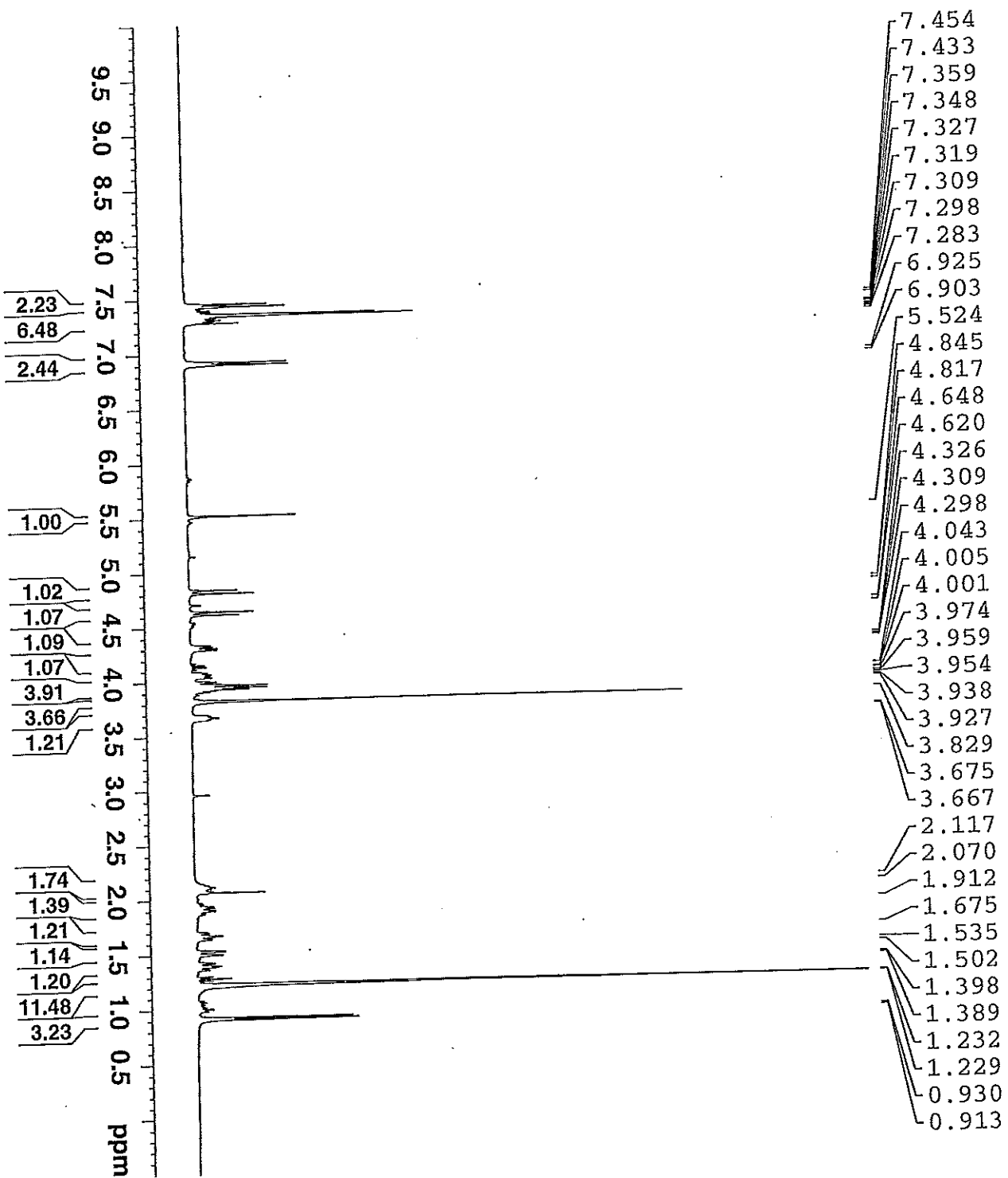


NAME DS-4-68
EXPNO 2
PROCNO 1
Date_ 20111024
Time 12.11
INSTRUM 5 mm PABBO BB-
PROBHD zgpg30
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 157
DS 4
SWH 41666.668 Hz
FIDRES 0.635783 Hz
AQ 0.7864820 sec
RG 203.
DW 12.000 usec
DE 6.50 usec
TE 301.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.30 usec
PL 2.00 dB
PL1 67.83342743 W
PL1W 176.0697436 MHz
SFO1

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -3.00 dB
PL12 12.30 dB
PL13 12.30 dB
PL1W 32.0860616 W
PL12W 0.94692516 W
PL13W 0.94692516 W
SFO2 700.1499406 MHz
SI 32768
SF 176.0521380 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

pure prod

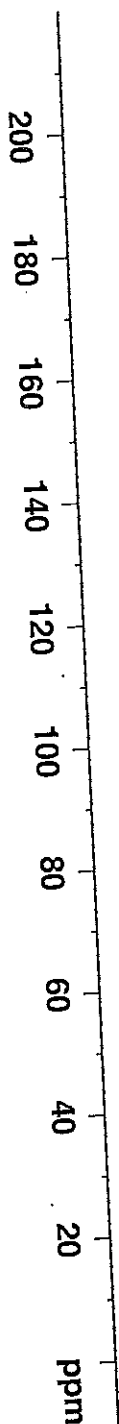
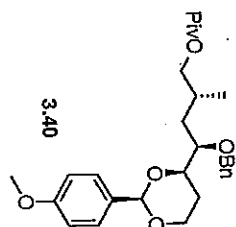


NAME DS-4-74
 EXPNO 1
 PROCNO 1
 Date 20110831
 Time 20.23
 INSTRUM robinson
 PROBD 5 mm PABO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 6793.478 Hz
 FIDRES 0.207320 Hz
 AQ 2.411749 sec
 RG 35.9
 DW 73.600 us
 DE 6.50 us
 TE 298.2 K
 D1 2.00000000 sec
 TDO 1

===== CHANNEL F1 =====
 NUC1 1H
 P1 14.00 us
 PL 0.00 dB
 SFO1 400.1424008 MHz
 SI 32768
 SF 400.1400000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

pure prod

- 178.51
- 159.89
- 138.71
- 131.27
- 128.35
- 127.96
- 127.63
- 127.33
- 113.56
- 101.16
- 79.46
- 78.35
- 77.37
- 77.05
- 76.74
- 73.27
- 69.58
- 66.89
- 55.29
- 38.88
- 33.78
- 29.28
- 26.51
- 16.39



NAME DS-4-74
 EXPNO 2
 PROCNO 1
 Date_ 20110831
 Time 20.27
 INSTRUM robinson
 PROBD 5 mm PABO BB-
 PULPROG zgpg30
 TD 65536
 CDCL3
 SOLVENT CDCL3
 NS 148
 DS 4
 SWH 23980.814 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 11585.2
 DE 20.850 usec
 DW 6.50 usec
 TE 298.9 K
 D1 0.2000000 sec
 D11 0.0300000 sec
 TDO 1

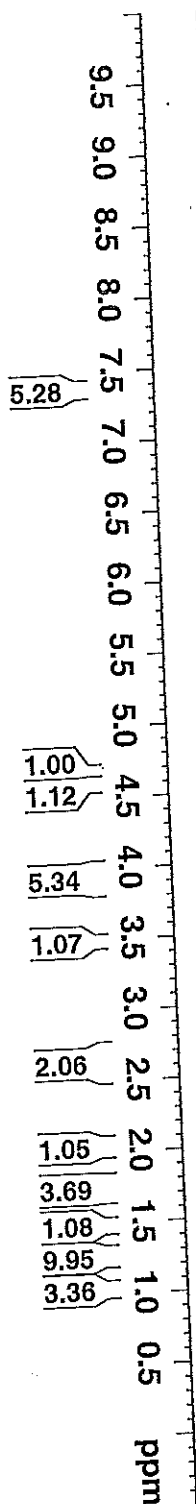
===== CHANNEL f1 =====
 NUC1 13C
 P1 9.00 usec
 PL1 -2.00 dB
 SFO1 100.6253446 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL2 0.00 dB
 PL12 16.16 dB
 PL13 17.00 dB
 SFO2 400.1416006 MHz
 SI 32768
 SF 100.6152830 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

CC(C(C(C(CO)CO)O)O)COP(=O)(O)O

3.41

7.393
7.391
7.381
7.371
7.361
7.359
7.349
7.341
7.338
7.329
7.287
4.687
4.679
4.671
4.606
4.589
4.573
3.964
3.956
3.925
3.916
3.909
3.901
3.890
3.884
3.878
3.872
3.865
3.857
3.850
2.711
2.510
1.782
1.776
1.772
1.768
1.761
1.461
1.232
1.231
1.226
1.018
1.007
0.997



```

NAME      DS-4-85      1
EXPNO     1
PROCNO    2011024
Date_     11.37
Time      Spect
INSTRUM   5 mm PABBO BB-
PROBHD    z30
PULPROG   95236
TD         CDC33
          21
SOLVENT    2
NS         2
DS         1
SWH        11904.762 Hz
AQ         0.125003 Hz
FIDRES     3.9999621
RG         203
DM         42.000 us
DE         6.50 us
TE         298.2 K
D1         2.00000000 s
TDO        1

***** CHANNEL F1 *****
NUC1       1H
P1         13.75 us
P11        -3.00 dB
PLW1       32.08500816 W
SFO1       700.1516910 M
SI         131072
SF         700.1471400 M
WDW         EM
SSB         0
GB         0.30 B
CB         0
PC         1.00

```

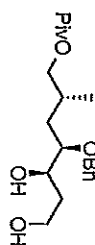
pure prod

178.58
178.49

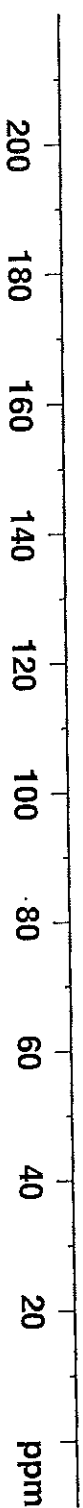
138.11
138.05
128.53
127.91
127.82

80.24
80.21
77.19
77.01
76.82
73.05
72.78
72.58
69.26
68.49
61.49

38.88
35.08
34.95
34.24
33.94
29.62
29.56
27.24
17.98
17.05



3.41



NAME DS-4-85
EXNO 2
PROCNO 1
Date 20111024
Time 11.41
INSTRUM spect
PROBHD 5 mm PABO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 472
DS 4
SWH 41666.668 Hz
FIDRES 0.635783 Hz
AQ 0.7864820 sec
RG 203
DW 12.000 usec
DE 6.50 usec
TE 299.3 K
D1 2.0000000 sec
D11 0.0300000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.30 usec
PL1 2.00 dB
PL1W 67.83342743 W
SFO1 176.0697436 MHz

===== CHANNEL f2 =====
CPDPRG2waltz16
IN 1H
NUC2 1H
PCPD2 80.00 usec
PL2 -3.00 dB
PL12 12.30 dB
PL13 12.30 dB
PL1W 32.08600616 W
PL12W 0.94692516 W
SFO2 700.1499406 MHz
SI 32768
SF 176.0521380 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

7.385
7.375
7.364
7.355
7.348
7.327
7.323
7.320
7.316
7.313
7.310
7.307
7.287
4.627
4.553
3.980
3.972
3.965
3.957
3.923
3.914
3.912
3.908
3.898
3.758
3.745
3.679
3.514
3.508
3.502
2.074
1.850
1.844
1.842
1.685
1.463
1.297
1.289
1.259
1.253
1.231
1.229
0.966
0.956

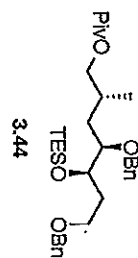
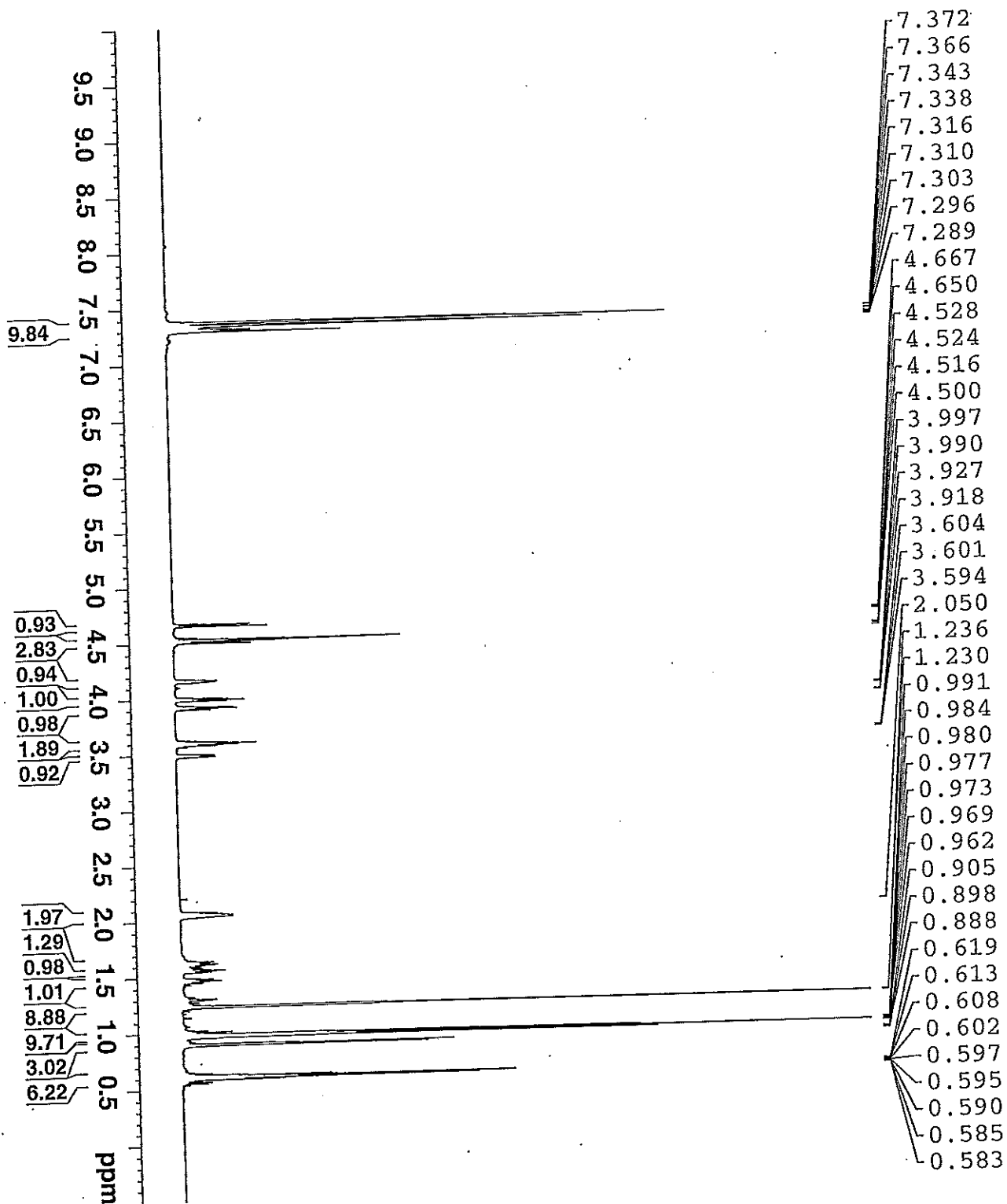


3.43

NAME	EXPNO	DS--5-45
PROCN0	1	
Date_	20111202	
Time	18.06	
INSTRUM	5 mm PABBO BB-	
PROBHD	zg30	
PULPROG	gpc236	
TD	95236	
TD	CD131	
SOLVENT	CDCl3	
NS	32	
DS	2	
SWH	11904.7623	
FIDRES	0.125003	
AQ	3.9993621	
RQ	101	
RG	42.000	
DM	6.50	
DE	298.2	
TE	2.00000000	
D1	1	
TD0	1	

NAME	EXPNO	DS--5-45
PROCN0	1	
Date_	20111202	
Time	18.06	
INSTRUM	5 mm PABBO BB-	
PROBHD	zg30	
PULPROG	gpc236	
TD	95236	
TD	CD131	
SOLVENT	CDCl3	
NS	32	
DS	2	
SWH	11904.7623	
FIDRES	0.125003	
AQ	3.9993621	
RQ	101	
RG	42.000	
DM	6.50	
DE	298.2	
TE	2.00000000	
D1	1	
TD0	1	

prod



NAME DS-5-47

EXPNO 1

PROCNO 1

Date_ 20111208

Time 15.45

INSTRUM spect

PROBHD 5 mm PABO BB-

PULPROG zg30

TD 95236

CDCL3

SOLVENT

NS 32

DS 2

SWH 11904.762 Hz

FIDRES 0.125003 Hz

AQ 3.999621 s

RG 50.8

DE 42.000 u

DW 6.50 u

TE 297.5 K

D1 2.0000000 s

TD0 1

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

NUC1 1H

PC 1.00

GB 0

SSB 0

WDM 0

SI 700.1471400 MHz

ST 131072

SFO1 32.08600616 MHz

PR1W -3.00 dB

PL1 13.75 u

PC 1.00

prod

178.55

138.72

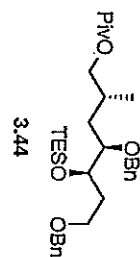
128.31
127.86
127.59
127.43

79.12
77.23
77.04
76.86
72.76
71.94
69.81
68.26
67.27

38.88
32.06
31.31
29.54
27.25

16.31

6.96
5.03



200 180 160 140 120 100 80 60 40 20 ppm

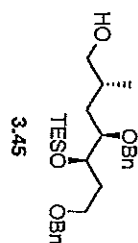
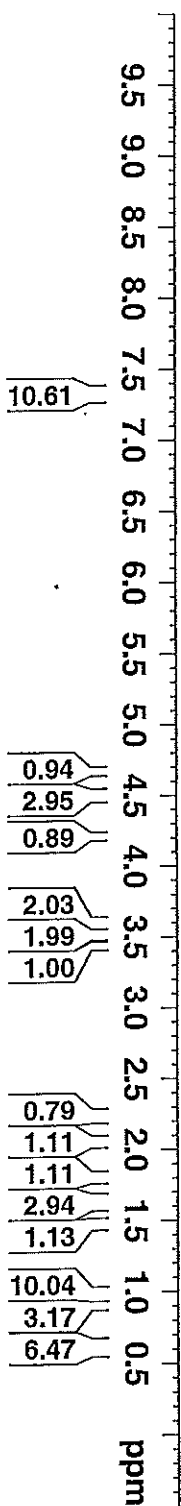
NAME DS-5-47
EXPNO 2
PROCNO 1
Date_ 20111206
Time 15:57
INSTRUM spect
PROBHD 5 mm PABO BB-
PULPROG zgpg30
TD 65536
F2 1014
SOLVENT CDCl3
NS 4
DS 4
SWH 41666.668 Hz
FIDRES 0.63783 Hz
AQ 0.7864820 sec
RG 203
DM 12.000 usec
DE 6.50 usec
TE 298.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.30 usec
PL1 2.00 dB
F1LW 67.83342743 W
SFO1 176.0697436 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P2 80.00 usec
PL2 -3.00 dB
F2LW 12.30 dB
SFO2 400.1499406 MHz
SI 32768
SF 176.0521380 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

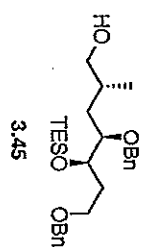
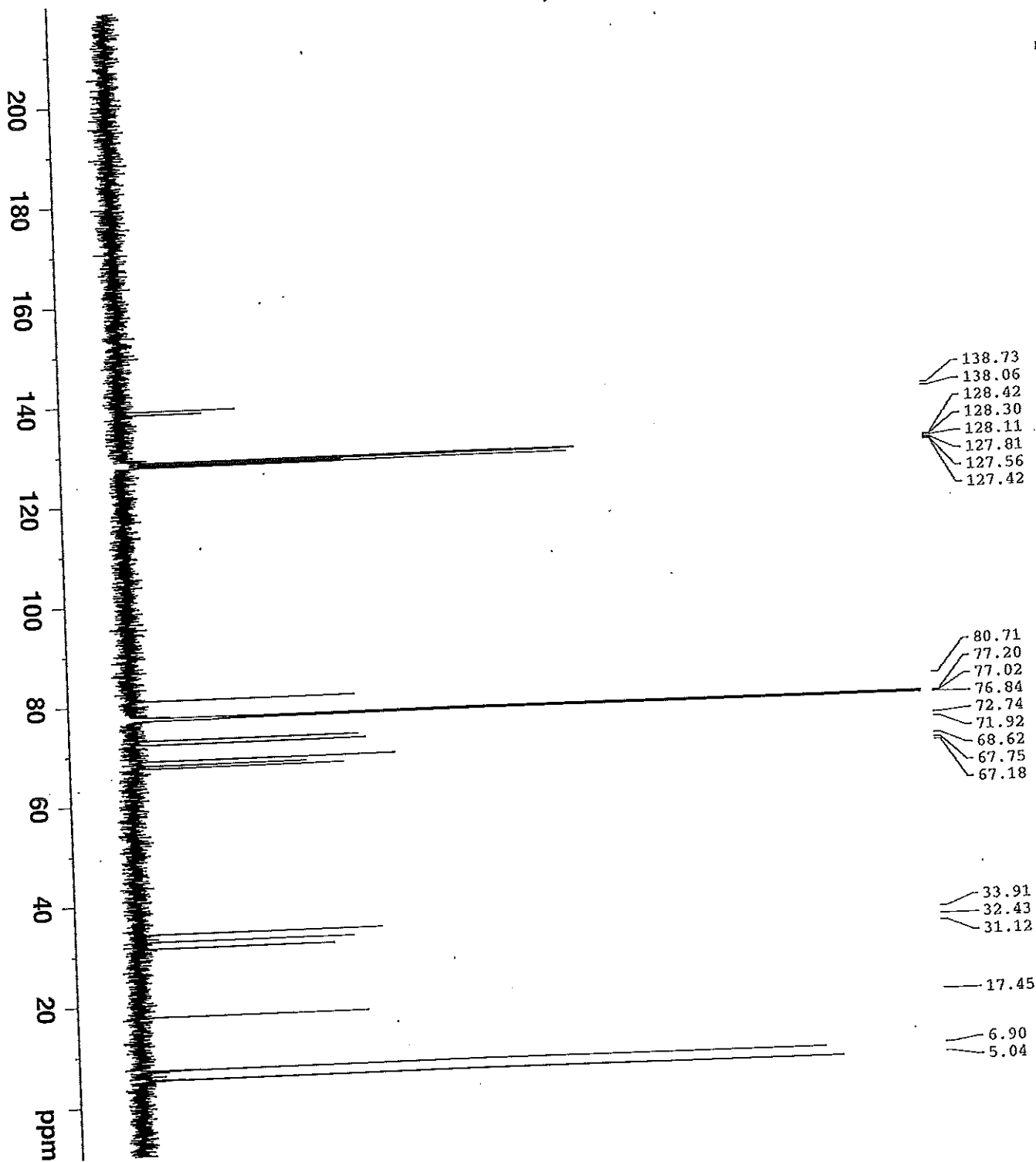
7.368
7.362
7.355
7.353
7.340
7.333
7.317
7.312
7.307
7.305
7.300
7.288

4.686
4.670
4.527
4.524
4.501
4.485
3.605
3.602
3.596
3.593
3.588
3.580
3.517
1.613
1.600
1.593
1.591
1.004
0.994
0.985
0.974
0.969
0.962
0.921
0.912
0.633
0.622
0.611
0.600
0.598
0.588
0.587



NAME		DS-5-75	
EXPNO	1		
PROCNO	.1		
Date_	2011109		
Time	14.55		
INSTRUM	Spect		
PULPROG	5 mm PABBO BH-		
TD	zq30		
NS	95236		
DS	CDCl3		
FIDRES	32		
RQ	11904.762 Hz		
AQ	0.125003 Hz		
DW	3.99999621 sec		
DE	144		
TE	42.000 us		
D1	6.50 us		
TD0	300.8 X		
	2.00000000 sec		
	1		
===== CHANNEL F1 =====			
MVCI	1H		
B1	-13.75 us		
PL1	-3.00 dB		
FLW	32.08600658 W		
SPOL	700.1546930 MHz		
SF	131072		
WDW	700.1471400 MHz		
MVM	ED		
SSB	0		
L3	0.36 Hz		
G3	0		
PC	1.00		

pure prod



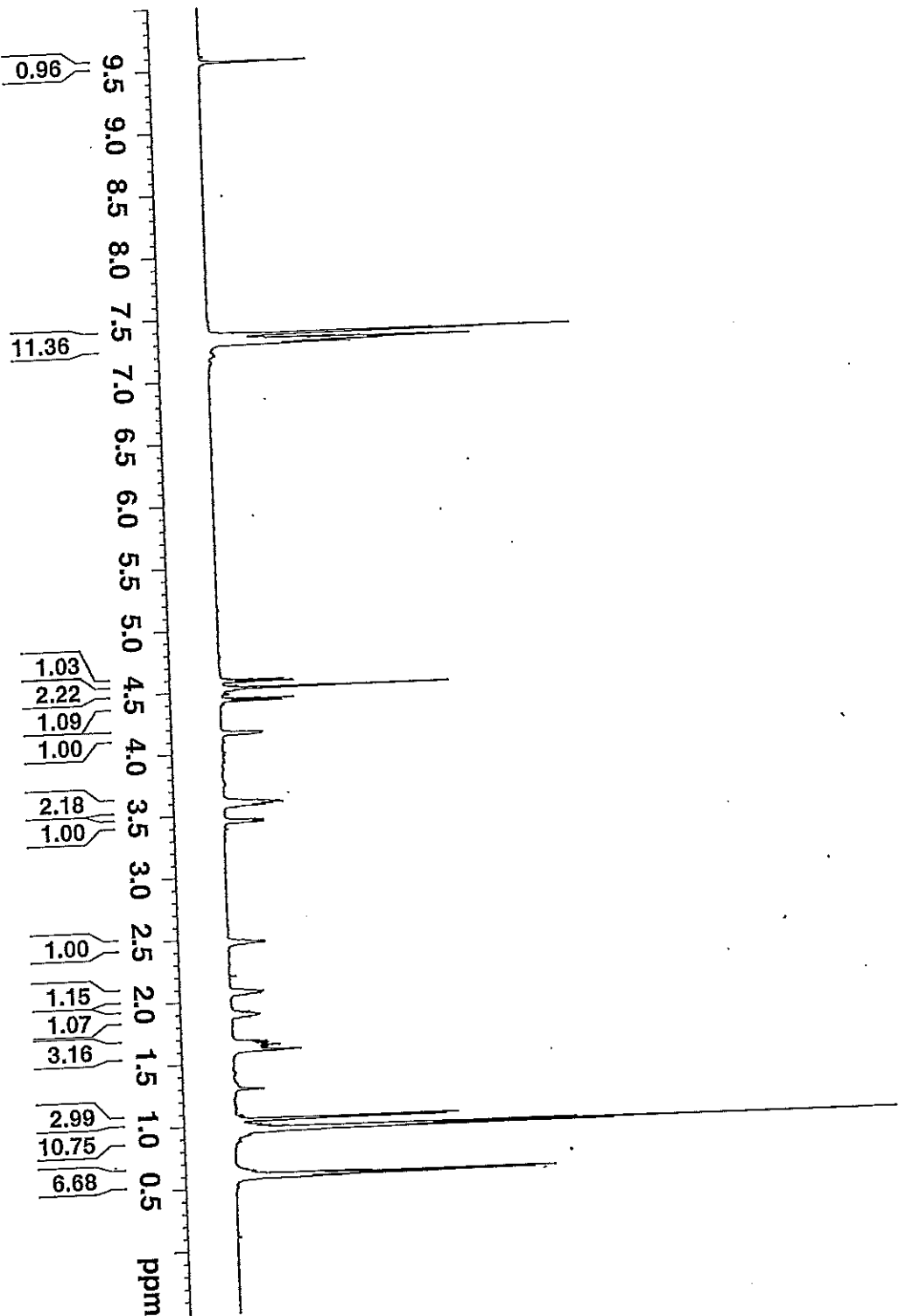
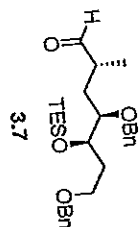
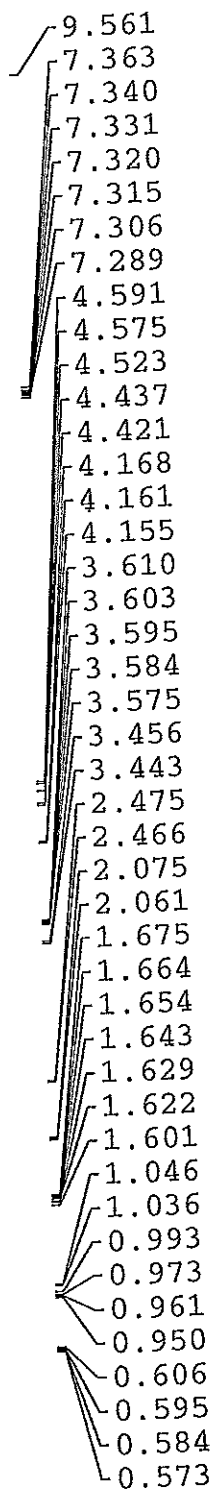
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NAME          DS-5-25
EXPNO         2
PROCNO        1
Date_         2011109
Time         15.02
INSTRUM       spect
PROBHD        5 mm PABO BB-
PULPROG       zgpg30
TD            65536
FIDRES        0.635783 Hz
AQ            0.7864820 s
RG            203
DE            12.000 u
TE            298.7 K
D1            2.00000000 s
D11           0.03000000 s
TPO           1

===== CHANNEL f1 =====
NUC1          13C
P1            9.30 u
PL1           2.30 dB
PIL1          67.83342743 V
SFO1          176.0697436 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00
PL2           2.30
PIL2          12.30
PL13          12.30
PL12          12.30
PL13          32.08600616
PL12W         0.94692516
PL13W         0.94692516
SFO2          700.1499406 MHz
SI            32768
SF            176.0521380 MHz
WDW           EM
SSB           0
GB            0
PC            1.40
  
```

pure prod



NAME DS-5-26
EXPNO 1
PROCNO 1
Date_ 20111110
Time 11.14
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 95236
SOLVENT CDCl3
NS 19
DS 2
SWH 11904.762 Hz
FIDRES 0.125003 Hz
AQ 3.999621 sec
RG 144
RG 42.000 us
DE 6.50 us
TE 300.5 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.75 u
PL1 -3.00 d
PR1W 32.0860616 W
SETO1 700.1516910 M
SI 131072
SF 700.1471400 M
WDW EM
SSB 0
GB 0
PC 1.00

pure prod

204.95

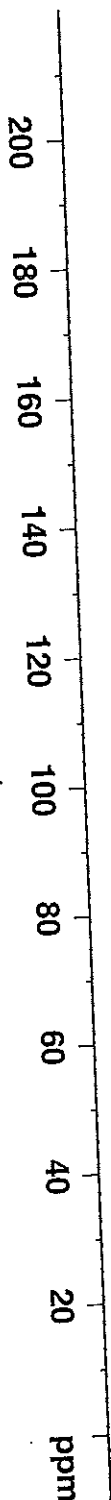
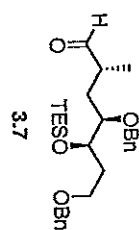
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138.16
128.38
128.31
128.13
127.91
127.76
127.57
127.45

79.69
72.76
71.98
67.88
67.09

44.36

31.20
30.36

13.61
6.89
5.00

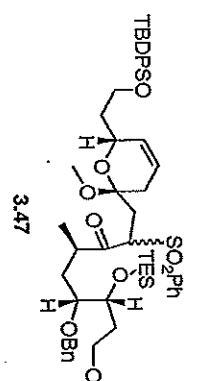
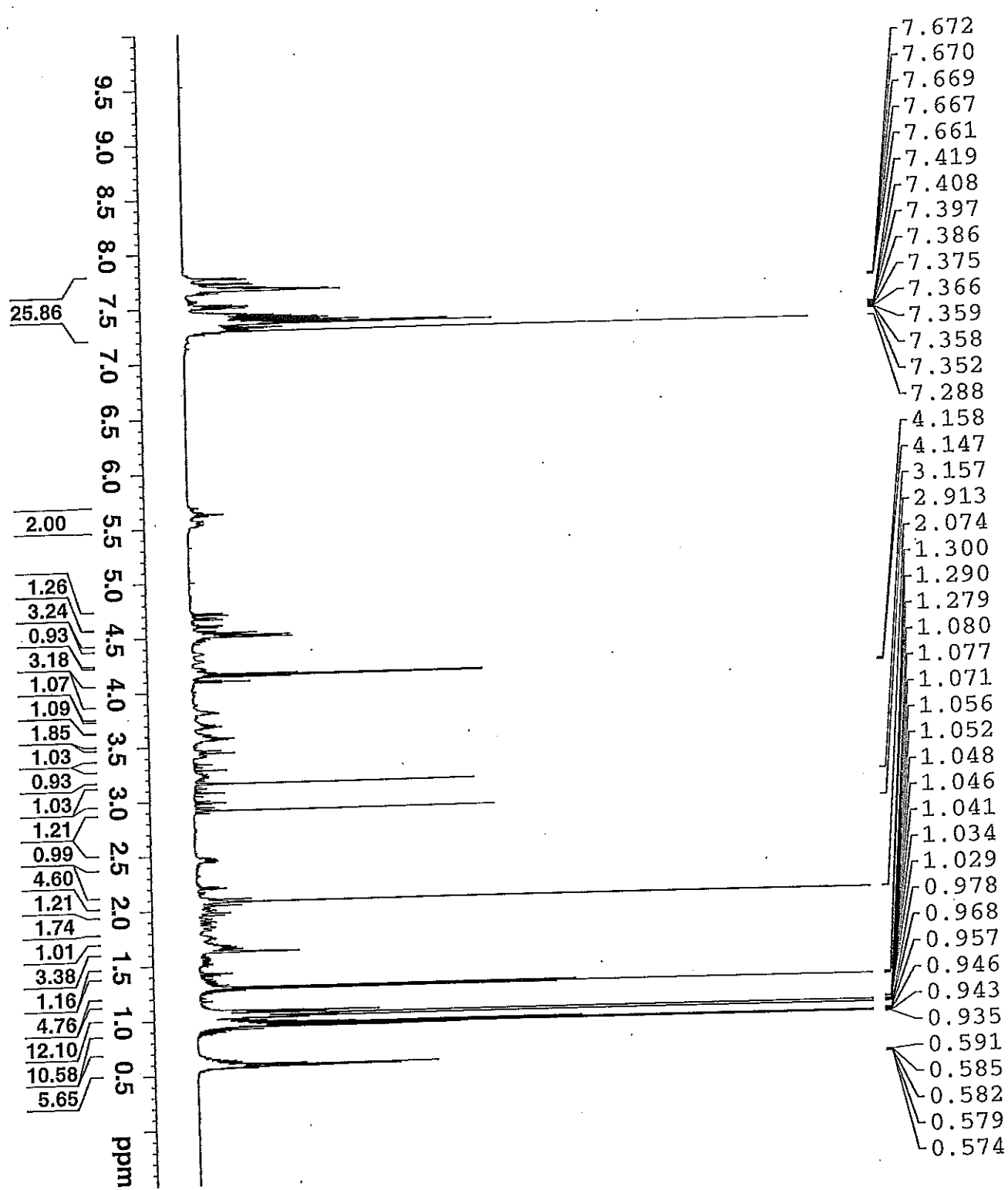


NAME	DS-5-26
EXTNO	2
PROCNO	1
Date	20111110
Time	11.35
INSTRUM	5 mm PABO BB-
PROBHD	zgpg30
PULPROG	65536
TD	CDCl3
SOLVENT	896
NS	4
DS	41666.668
SWH	0.635783
FIDRES	0.7864820
AO	203
RG	12.000
RG	203
DE	6.50
TE	298.6
D1	2.00000000
D11	0.03000000
TD0	1

NAME	CHANEL F1
NUC1	13C
P1	9.30
PL1	2.00
PL1W	67.83342743
SFO1	176.067436

NAME	CHANEL F2
CEDEPRG2	waltz16
NUC2	1H
PCPD2	80.00
F12	-3.00
PL12	12.30
PL13	12.30
PL1W	32.08600616
PL12W	0.94682516
PL13W	0.94682516
SFO2	700.1499406
SI	32768
SP	176.0521380
WDW	EM
SSB	0
LB	3.00
GB	C
PC	1.40

pure prod



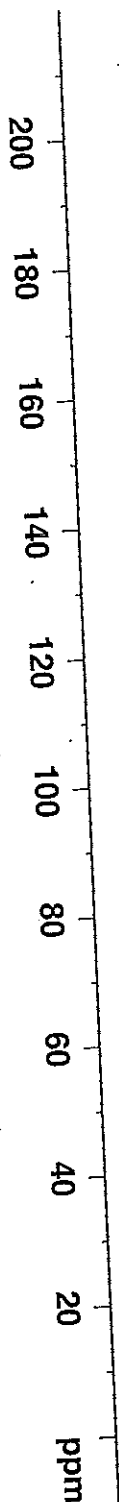
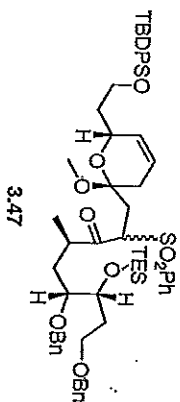
NAME DS-5-58
EXPNO 1
PROCNO 1
Date_ 20120123
Time 8.31
INSTRUM spect
PROBHD 5 mm PABO BB-
PULPROG zg30
TD 95236
FIDRES 0.125003 Hz
AQ 3.9998621 sec
RG 42.000 us
DE 6.59 us
TE 298.1 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.75 us
PL -3.00 dB
PL1 32.0860616 W
SFO1 700.1516910 MHz
SI 131072
SF 700.1471400 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

pure prod

204.84

171.15
138.76
135.55
135.52
134.14
134.10
133.80
129.68
129.64
129.59
128.95
128.71
128.58
128.45
128.29
128.25
128.01
127.79
127.66
127.63
127.59
127.52
127.41
120.86
120.77
97.88
97.68
79.38
78.32
72.73
72.63
72.29
71.79
68.66
68.59
68.17
67.67
67.17
66.99
66.06
65.66
60.40
59.86
48.87
48.41
44.82
44.15
37.80
32.96
32.45
31.48
31.19
30.27
26.84
26.82
21.06
19.18

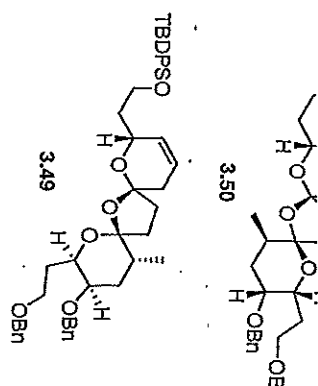
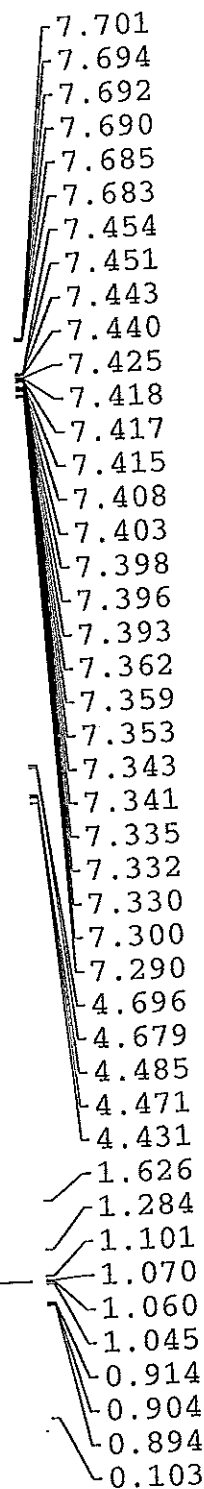


NAME DS-5-58
EXPNO 2
PROCNO 1
Date_ 20120123
Time 8.38
INSTRUM spect
PROBHD 5 mm PABO BB-
PULPROG zgpg30
TD 65536
F2 1038
SOLVENT NS
DS 4
SWE 41666.668 Hz
FIDRES 0.635783 Hz
AQ 0.7864820 sec
RG 203
RG 12.000 use
DW 6.50 use
DE 298.6 K
TE 2.00000000 sec
D1 0.03000000 sec
D11 1
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.30 use
PL1 2.00 dB
PL1W 67.83342743 W
SFO1 176.0697436 M

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 use
PL2 -3.00 dB
PL2 12.30 dB
PL13 12.30 dB
PL1W 32.08600618 W
PL12W 0.94692516 V
PL13W 0.94692516 V
SFO2 700.1499406 M
SI 32768
SI 176.0521380
SF 400.1499406 M
WDW EM
SSB 0
LB 3.00
GB 0
PC 1.40

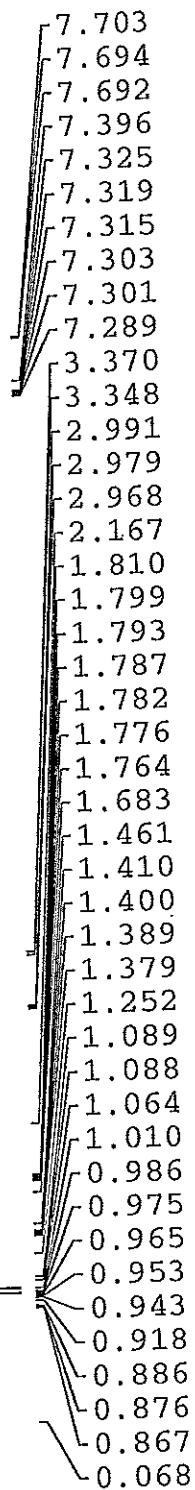
pure



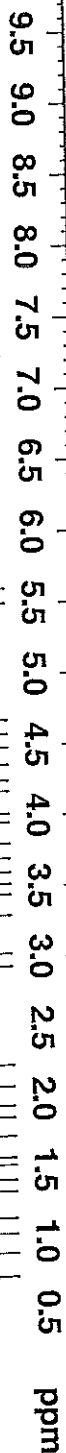
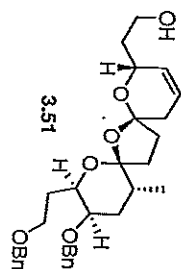
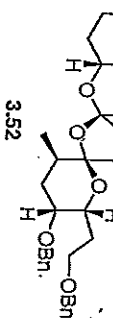
NAME DS-5-59
EXTNO 1
PROCNO 1
Date 20120206
Time 17.59
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zg30
TD 95236
SOLVENT CDCl3
NS 32
DS 2
F1 11904.762 Hz
SWH 0.125003 Hz
FIDRES 3.9998621 sec
AQ 28.5
RG 42.000 use
DW 6.50 use
DE 298.1 K
TE 1
D1 2.00000000 sec
TD0 1

===== CHANNEL F1 =====
NUC1 1H
P1 9.40 use
PL -3.20 dB
PL1 33.59817505 W
PLW 700.1546910 W
SFO1 131072
SI 700.1471400 M
SF 0
WDW EM
SSB 0
GB 0
PC 1.00

crude



3.52



6.15

28.31

2.00

2.10

4.05

0.79

1.15

2.73

1.73

2.70

47.68

19.85

9.44

6.13

2.66

26.06

54.25

47.97

27.06

42.03

113.55

20.30

NAME DS-5-33
EXCNO 1
PROCNO 1
Date 20111118
Time 9.18
INSTRUM spect
PROBHD 5 mm PABO BB-
PULPROG zg30
TD 95236
SOLVENT CDCl3
NS 32
DS 2
SWH 11904.762 Hz
FIDRES 0.123003 Hz
AQ 3.9995621 s
RG 57
RC 42.000
IR 6.50
DE 298.6 K
TE 1
D1 2.00000000 s
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.75
PL1 -3.00
PLW 32.0860616
SFO1 700.1518910
SI 131072
SF 700.1471400
WDW EM
SSB 0
LB 0.30
GB 0
PC 1.00

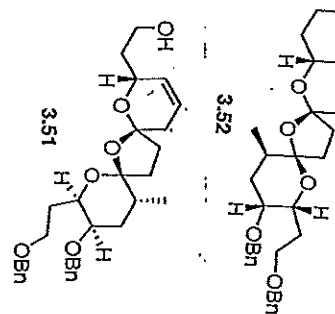
crude

134.85
134.41
130.23
129.46
128.23
127.96
127.87
127.60
127.51

59.24
52.22

29.66
26.60
25.97
25.15
24.29
20.18
19.87
13.75
13.53

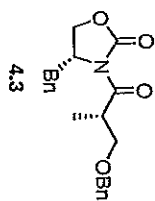
200
180
160
140
120
100
80
60
40
20
ppm



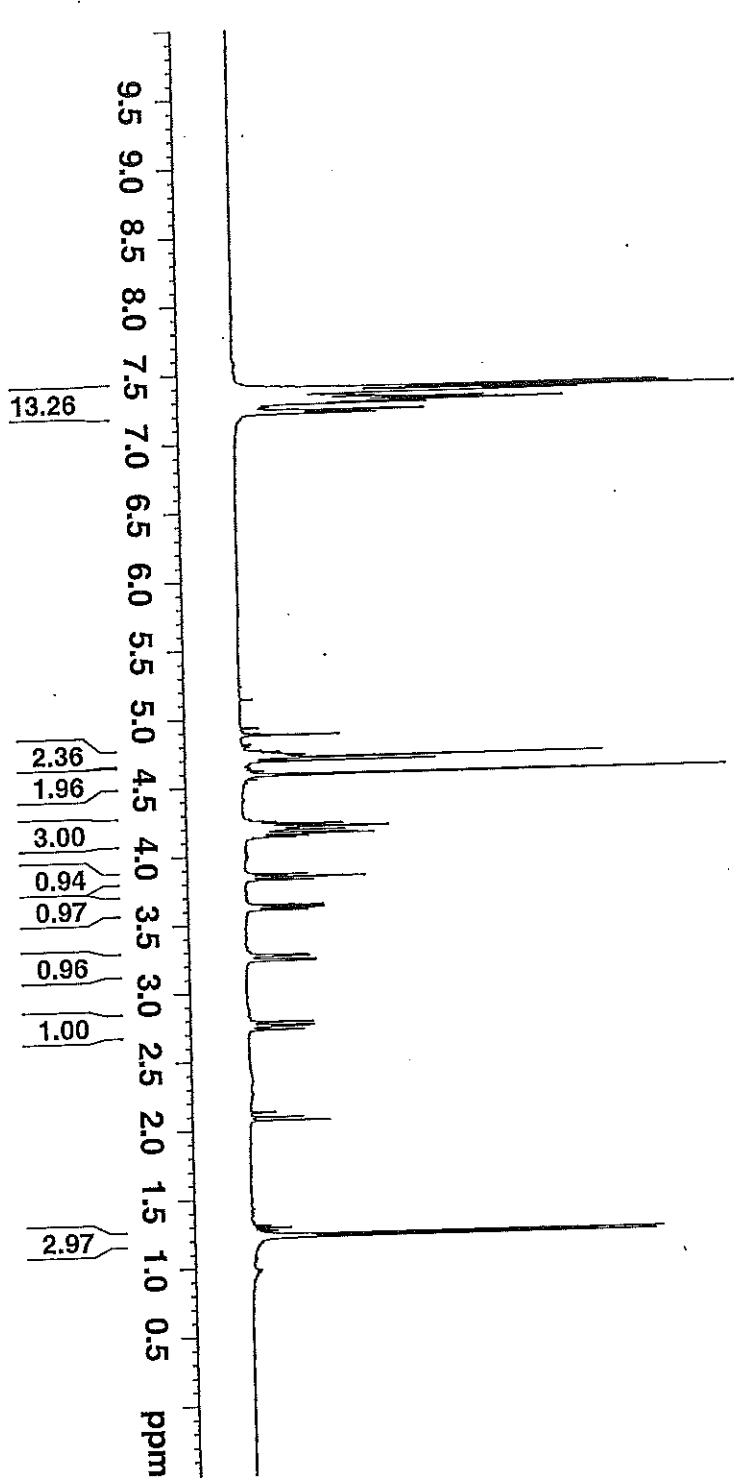
NAME DS-5-33
EXENO 2
PROCNO 1
Date- 2011118
Time 9.30
INSTRUM spect
PROBHD 5 mm PABO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 99
DS 4
SWH 41666.668 H
FIDRES 0.635783 H
AQ 0.7864820 s
RG 203
RG 12.000 u
DM 5.50 u
DE 298.8 X
TE 2.00000000 s
D1 0.03000000 s
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.30 u
PL 2.00 s
PL1W 67.83342743 W
SFO1 176.0697436 W

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 u
PL2 -3.00 s
PL12 12.30 u
PL13 12.30 u
PL12W 32.08600616 W
PL13W 0.94692516 W
PL13W 0.94692516 W
SFO2 700.1499406 W
SI 32768
SF 176.0521380 W
WDW EM
SSB 0
LB 3.00
GB 0
PC 1.40

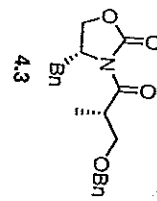


- 7.397
- 7.386
- 7.369
- 7.360
- 7.356
- 7.339
- 7.332
- 7.317
- 7.298
- 7.281
- 7.233
- 7.214
- 4.882
- 4.737
- 4.715
- 4.690
- 4.590
- 4.232
- 4.210
- 4.199
- 4.190
- 4.169
- 4.161
- 4.146
- 3.869
- 3.847
- 3.827
- 3.644
- 3.631
- 3.622
- 3.608
- 3.278
- 3.270
- 3.244
- 3.236
- 2.788
- 2.765
- 2.755
- 2.731
- 2.071
- 1.240
- 1.223



NAME DS-2-30
 EXPNO 1
 PROCNO 1
 Date_ 20101107
 Time 20.51
 INSTRUM robinson
 PROBD 5 mm PABBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 6793.478 Hz
 FIDRES 0.207320 Hz
 AQ 2.4117749 sec
 RG 32
 DW 73.600 usec
 DE 6.50 usec
 TE 299.4 K
 DI 2.0000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 14.00 usec
 PL1 0.00 dB
 SF01 400.142408 MHz
 SI 32768
 SF 400.140000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



175.47

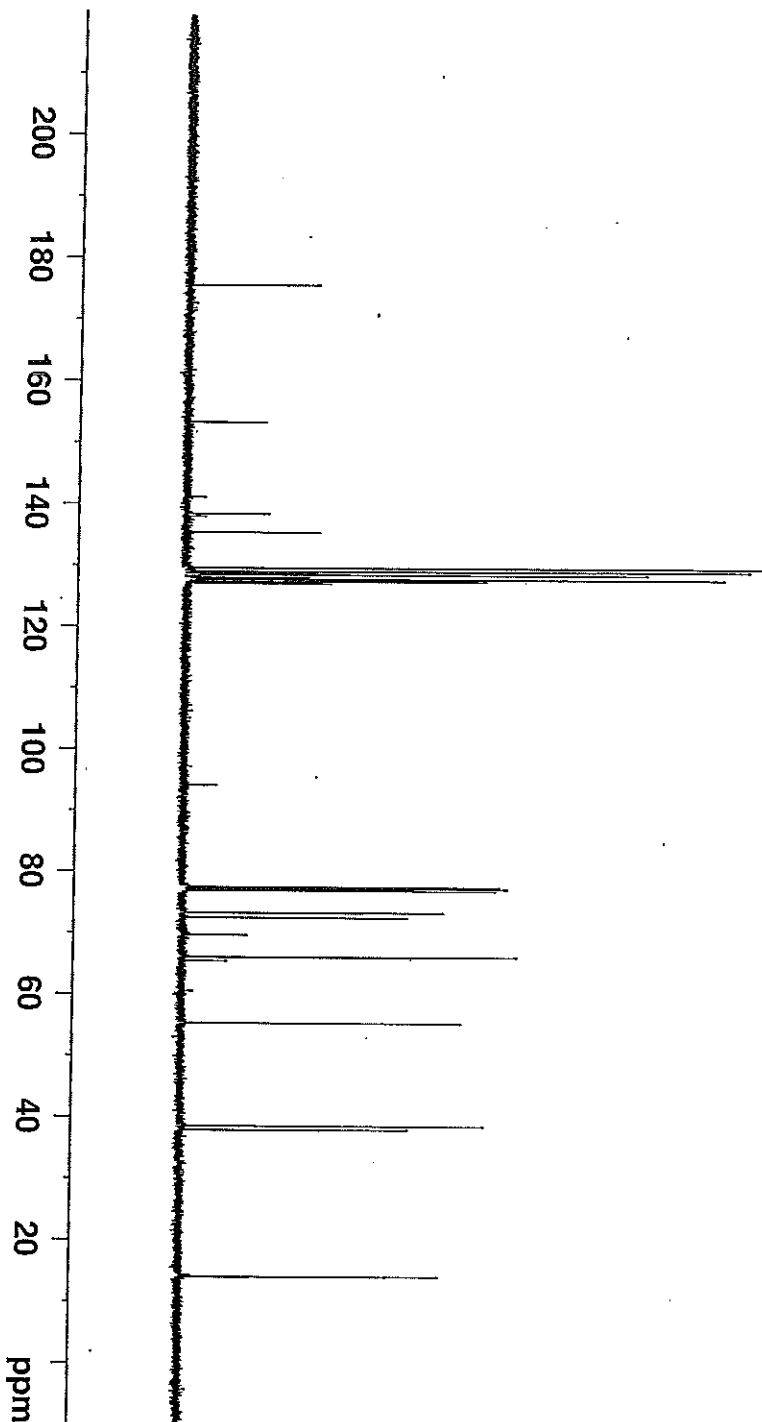
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128.89
128.54
128.45
128.35
127.96
127.73
127.65
127.58
127.27
126.97

77.40
77.09
76.77
73.18
72.37
65.96

55.16

38.39
37.78

13.89

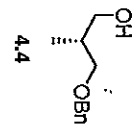


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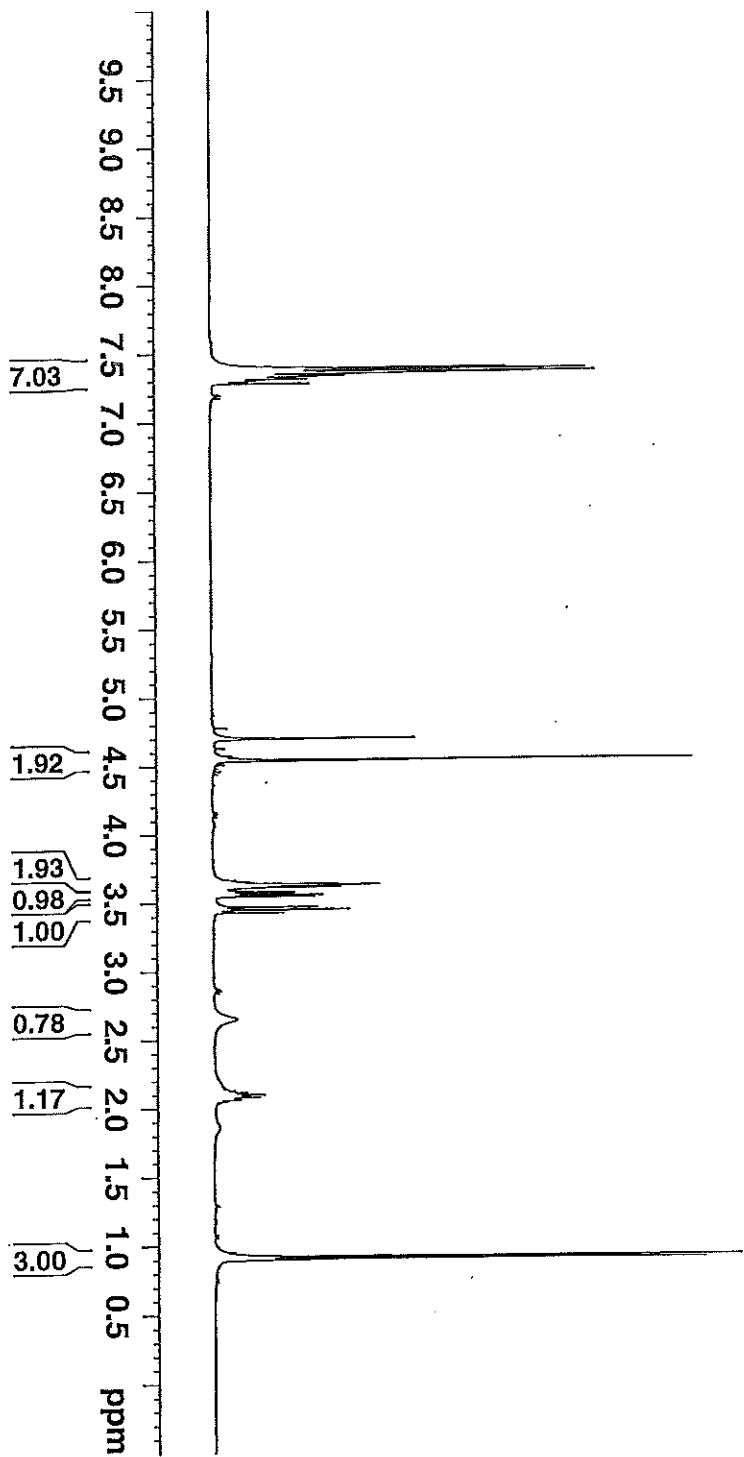
NAME          DS-2-30
EXPNO         2
PROCNO        1
Date_         20101107
Time          21.10
INSTRUM       robinson
PROBHD        5 mm PABBO BB-
PULPROG       zgpg30
TD            65536
SOLVENT       CDCl3
NS            500
DS            4
SME           23980.814 Hz
FIDRES        0.365918 Hz
AQ            1.3664756 sec
RG            20642.5
DW            20.850 usec
DE            6.50 usec
TE            302.4 K
D1            0.20000000 sec
D11           0.03000000 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            9.00 usec
PL1           -2.00 dB
SFO1         100.6253446 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         90.00 usec
PL2           0.00 dB
PL12         16.16 dB
PL13         17.00 dB
SFO2         400.1416006 MHz
SI            32768
SF           100.6152830 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.40
  
```

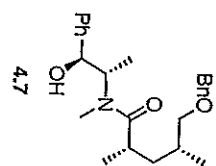


7.390
7.378
7.360
7.353
7.336
7.322
7.314
7.283
7.281
4.700
4.542
3.639
3.633
3.627
3.616
3.584
3.572
3.561
3.549
3.472
3.452
3.429
2.652
2.136
2.131
2.119
2.113
2.107
2.102
2.096
2.089
2.084
2.078
2.072
2.066

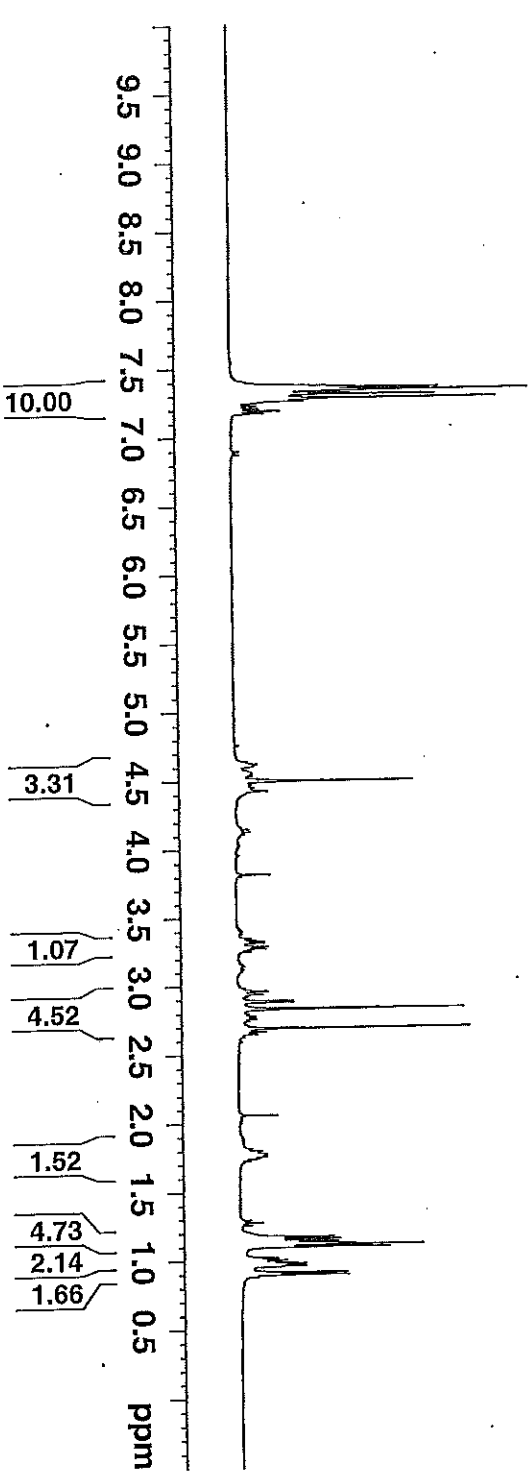


NAME DS-2-38
EXPNO 1
PROCNO 1
Date_ 20101107
Time 21.44
INSTRUM robinson
PROBHD 5 mm PABO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6793.478 Hz
FIDRES 0.207320 Hz
AQ 2.4117749 sec
RG 40.3
DM 73.600 usec
DE 6.50 usec
TE 299.4 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL1 0.00 dB
SFO1 400.1424008 MHz
SI 32768
SF 400.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



7.369
7.359
7.356
7.345
7.339
7.319
7.308
7.281
7.262
7.210
7.193
7.190
7.173
4.501
4.428
3.820
3.319
3.292
3.277
2.963
2.893
2.884
2.834
2.692
2.670
2.062
1.776
1.177
1.161
1.144
1.126
1.117
1.100
1.022
1.012
1.006
0.995
0.983
0.977
0.966
0.915
0.899

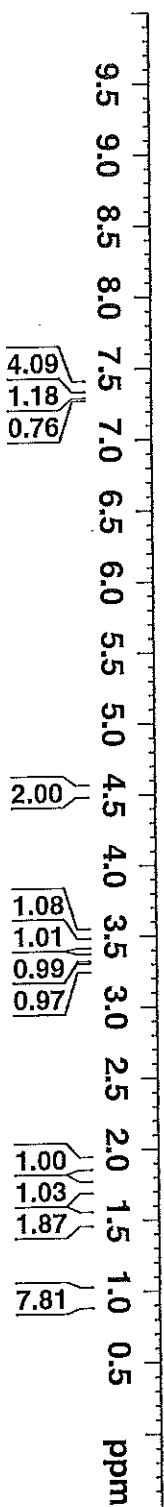
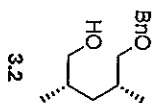


NAME DS-2-40
EXPNO 1
PROCNO 1
Date_ 20101107
Time 21.51
INSTRUM robinson
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6793.478 Hz
FIDRES 0.207320 Hz
AQ 2.4117749 sec
RG 64
RG 73.600 usec
DW 6.50 usec
DE 299.5 K
TE 2.00000000 sec
D1 1
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL1 0.00 dB
SFO1 400.1424008 MHz
SI 32768
SF 400.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

prod

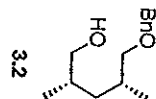
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7.318
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4.536
4.528
4.510
3.521
3.513
3.459
3.450
3.363
3.354
3.350
3.342
3.287
3.278
3.274
3.265
1.904
1.895
1.745
1.738
1.525
1.516
1.506
1.496
1.015
1.004
0.997
0.988
0.985
0.975
0.965
0.953
0.943



NAME DS-2-41
EXENO 1
PROCNO 1
Date 20110721
Time 15.35
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zgpg30
TD 95236
FIDRES 0.125003 Hz
AQ 3.999621 sec
RG 57
DW 42.000 usec
DE 16.50 usec
TE 298.2 K
D1 2.00000000 sec
D10 1

===== CHANNEL f1 =====
NUC1 13
P1 9.40 usec
PL -2.20 dB
PL1W 33.59817505 W
SFO1 700.1245508 MHz
SI 131072
SF 700.1200000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

prod



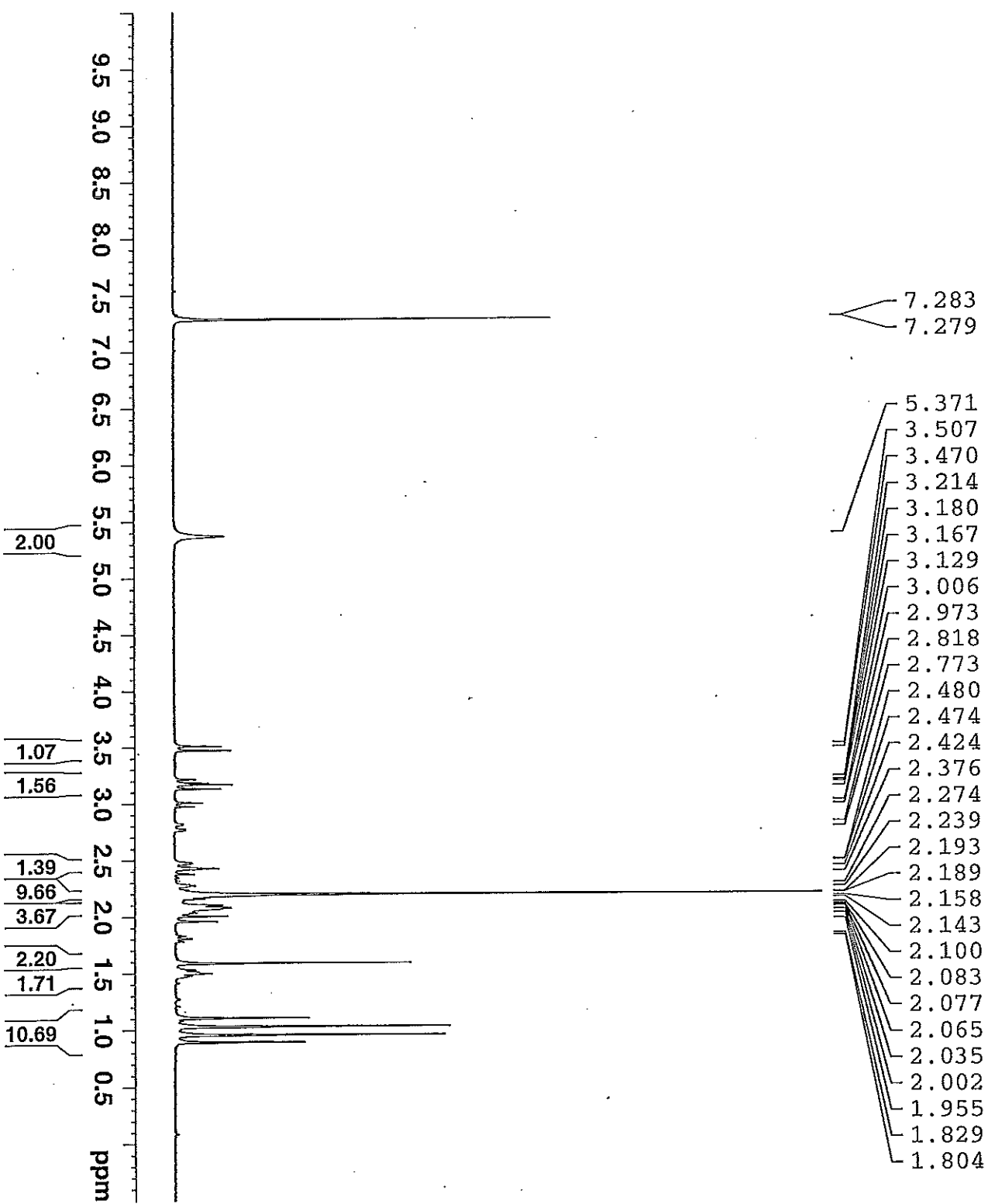
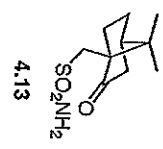
138.63
128.38
127.59
127.53
75.84
73.08
68.05
37.66
33.25
31.03
18.26
17.65

200 180 160 140 120 100 80 60 40 20 ppm

NAME DS-2-41
EXPNO 2
PROCNO 1
Date_ 20110721
Time 15.48
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zgpg30
TD 98304
SOLVENT CDCl3
NS 171
DS 4
SWH 41666.668 Hz
FIDRES 0.423855 Hz
AQ 1.1796980 sec
RG 203
DW 12.000 usec
DE 15.00 usec
TE 298.2 K
D1 2.0000000 sec
D11 0.0300000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PL1 4.50 dB
PL1W 38.1455833 W
SFO1 176.0629186 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 65.00 usec
PL2 -3.20 dB
PL12 13.60 dB
PL13 120.00 dB
PL2W 33.59817505 W
PL12W 0.70196527 W
PL13W 0.00000000 W
SFO2 700.1228005 MHz
SI 131072
SF 176.0453140 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40



Current Data Parameters
NAME DS-3-12
EXPNO 1
PROCNO 1
DT 1/m
USER dongs

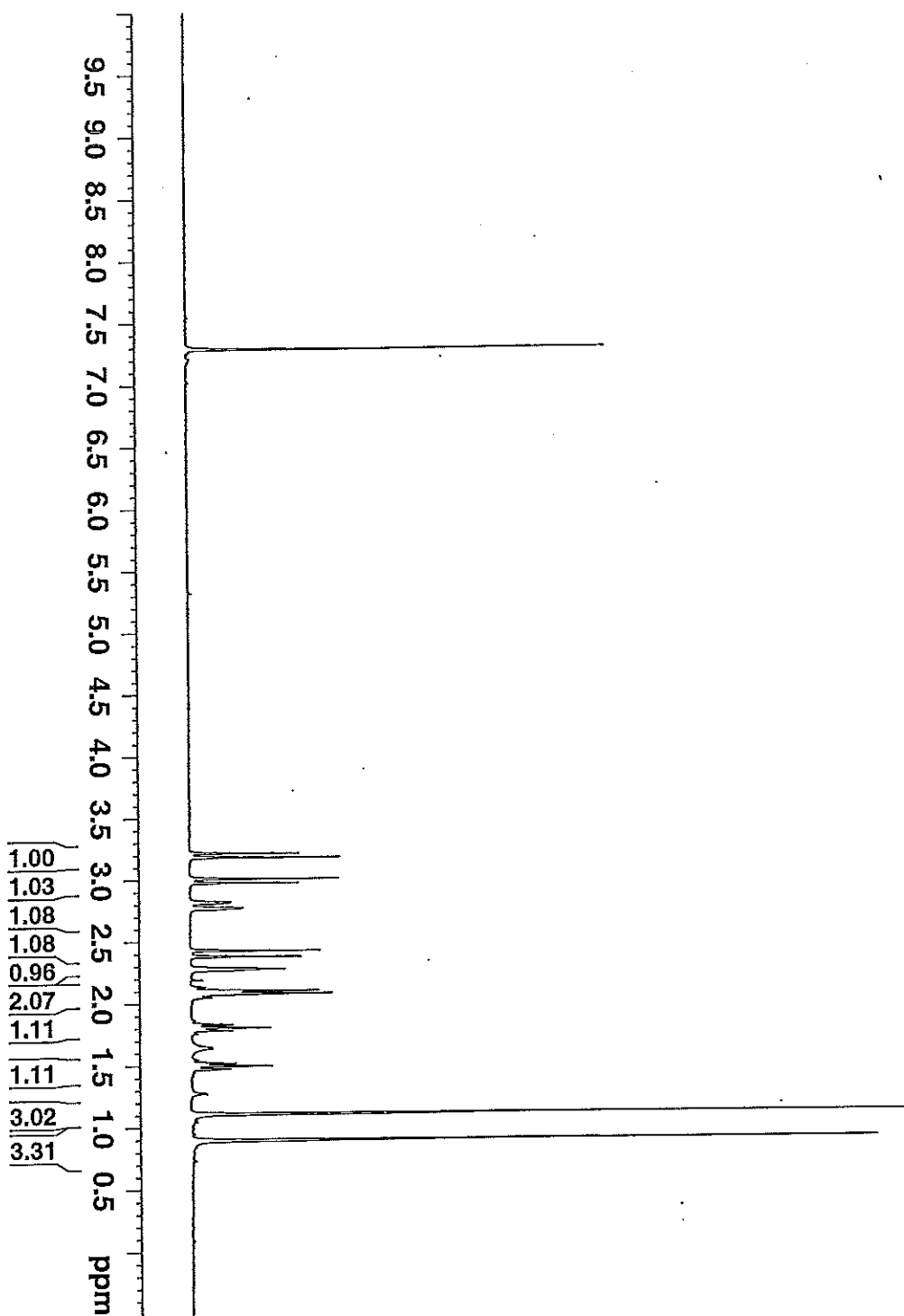
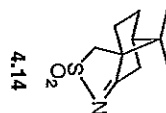
F2 - Acquisition Parameters
Date_ 20110227
Time 21.13
INSTRUM DPK400
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 812.7
RW 78.000 usec
DE 6.00 usec
TE 298.2 K
D1 2.0000000 sec
FID0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

— 7.281

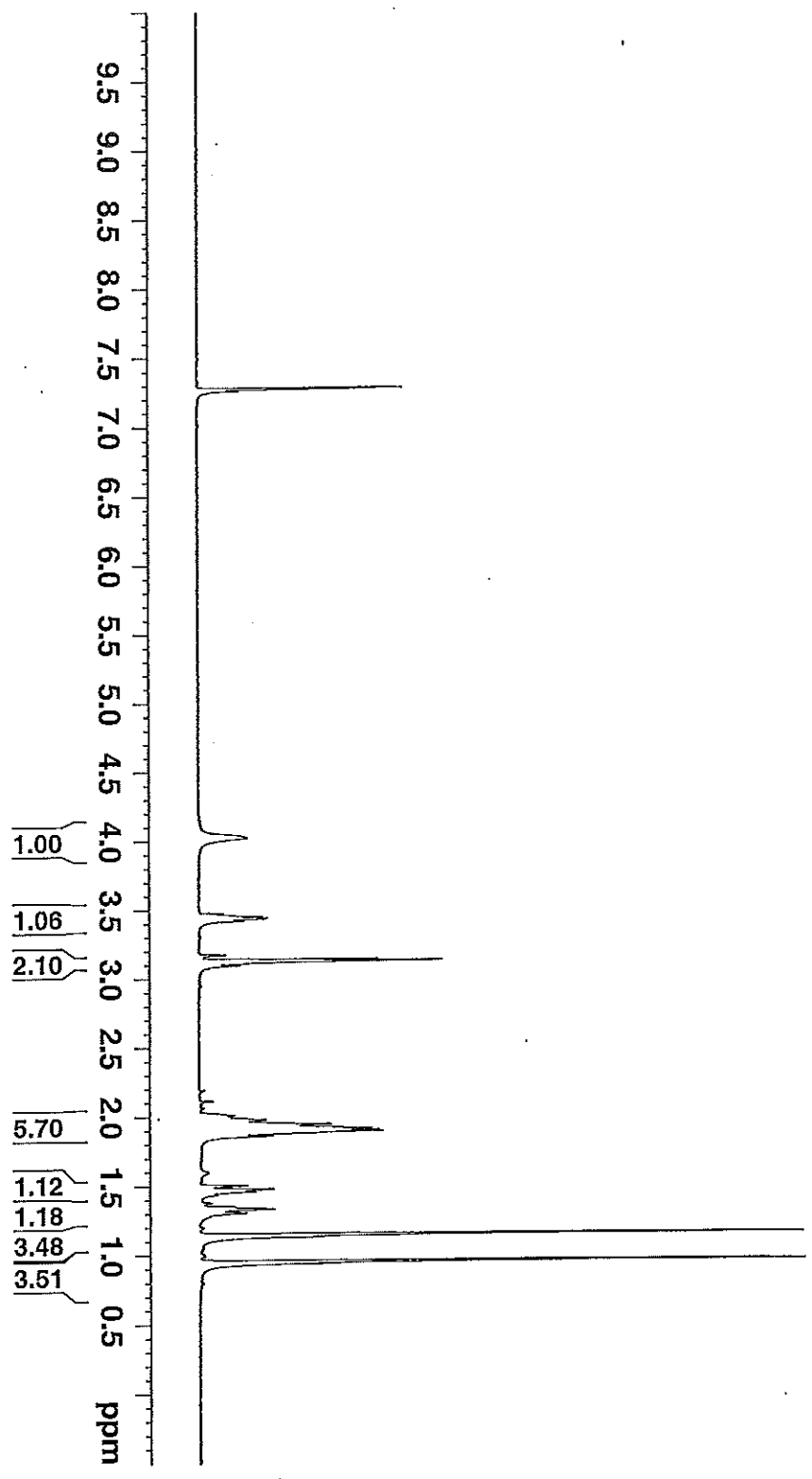
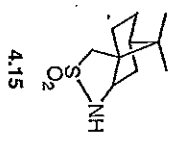
3.214
3.181
3.008
2.974
2.822
2.813
2.775
2.764
2.760
2.426
2.378
2.286
2.276
2.103
2.097
2.092
2.081
1.831
1.805
1.783
1.517
1.496
1.472



NAME DS-3-15
EXENO 1
PROCNO 1
Date_ 20110303
Time 10.01
INSTRUM robinson
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWE 6793.478 Hz
FIDRES 0.207320 Hz
AQ 2.4117749 sec
RG 181
DW 73.600 usec
DE 6.50 usec
TE 298.2 K
D1 2.0000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL1 0.00 dB
SFO1 400.1424008 MHz
SI 32768
SF 400.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.284
7.263

4.027
3.475
3.455
3.444
3.437
3.424
3.177
3.143
3.132
3.111
3.097
2.011
1.999
1.980
1.971
1.948
1.925
1.917
1.905
1.897
1.886
1.864
1.506
1.480
1.461
1.438

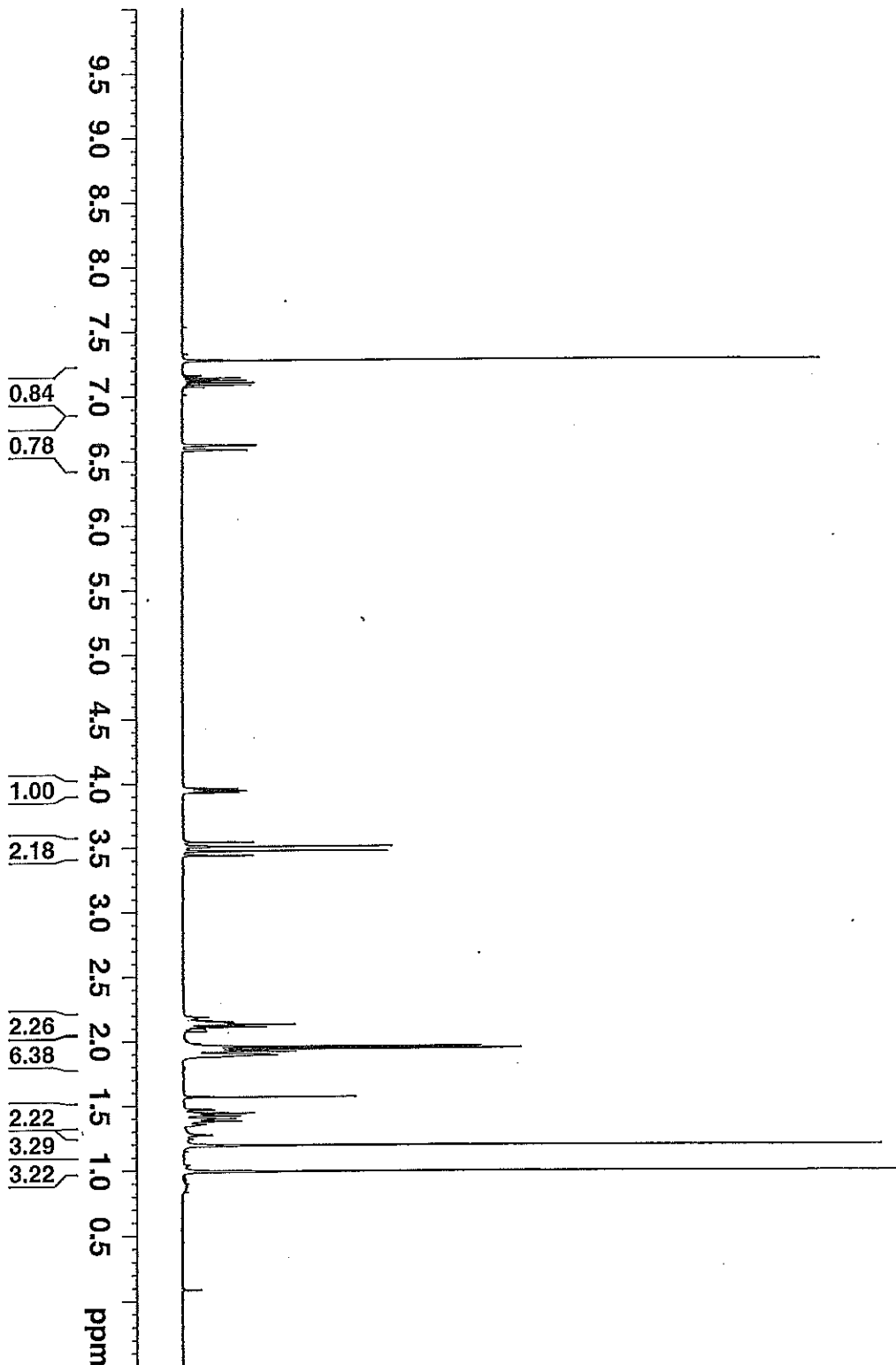
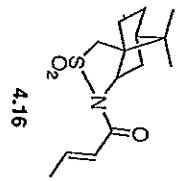
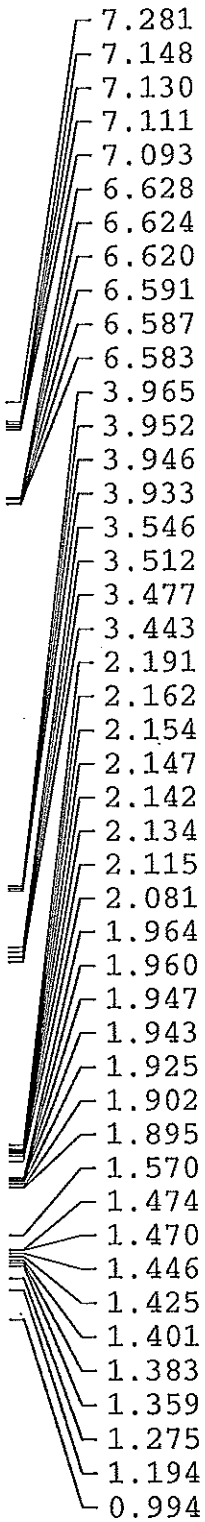


Current Data Parameters
NAME DS-3-20
EXPNO 1
PROCNO 1
DT /m
DSR dongs
USER

F2 - Acquisition Parameters
Date_ 20110310
Time 19.45
INSTRUM DPX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 574.7
RG 574.7
DW 78.000 usec
DE 6.00 usec
TE 298.2 K
D1 2.00000000 sec
D1 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

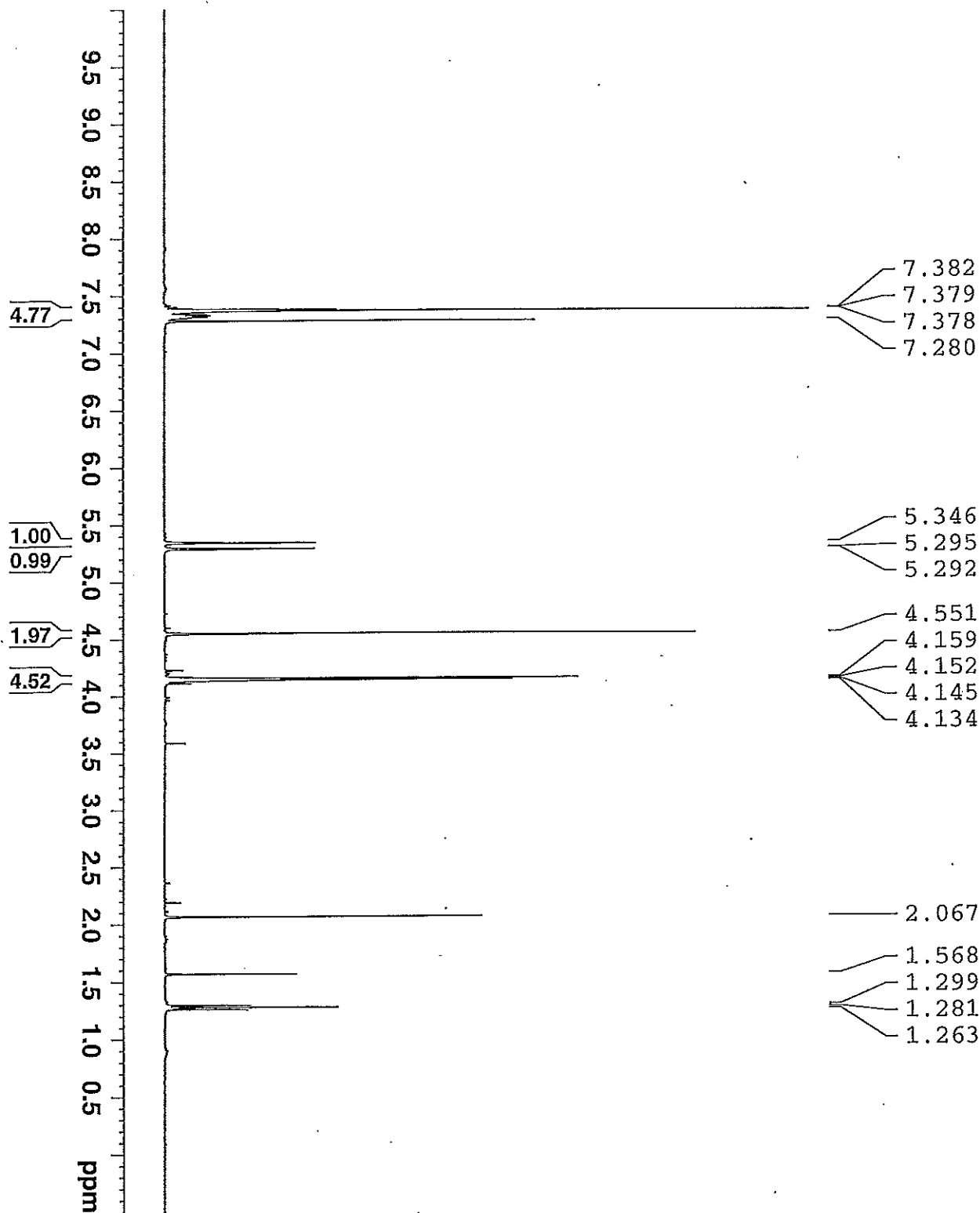
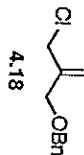


Current Data Parameters
NAME DS-3-21
EXPNO 1
PROCNO 1
DT /m
DS dongs
USER

F2 - Acquisition Parameters
Date_ 20110313
Time 22.49
INSTRUM DFX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 724.1
DW 78.000 usec
DE 6.00 usec
TE 298.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL -3.00 dB
SFO1 400.2478017 MHz

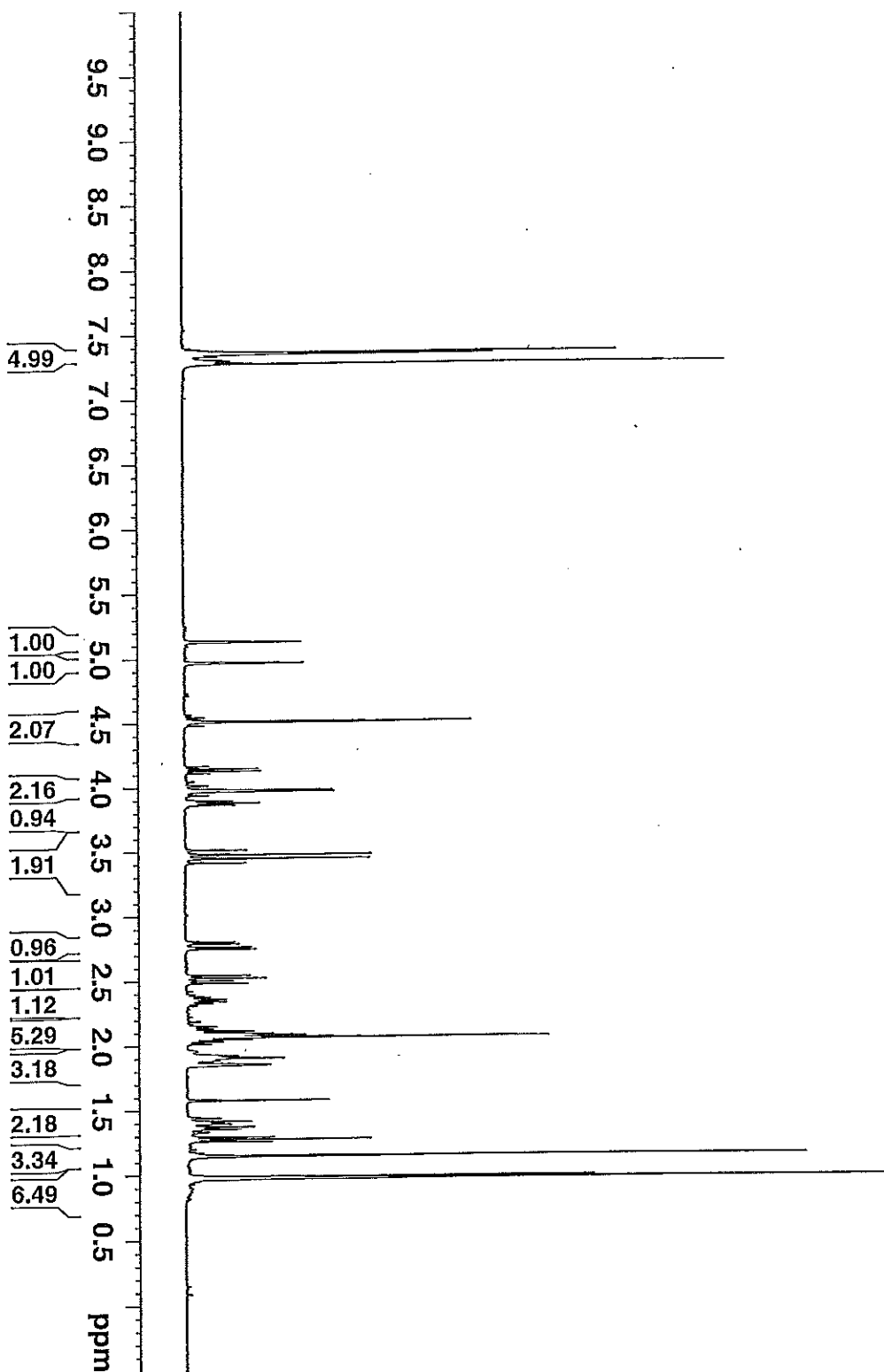
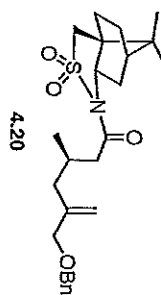
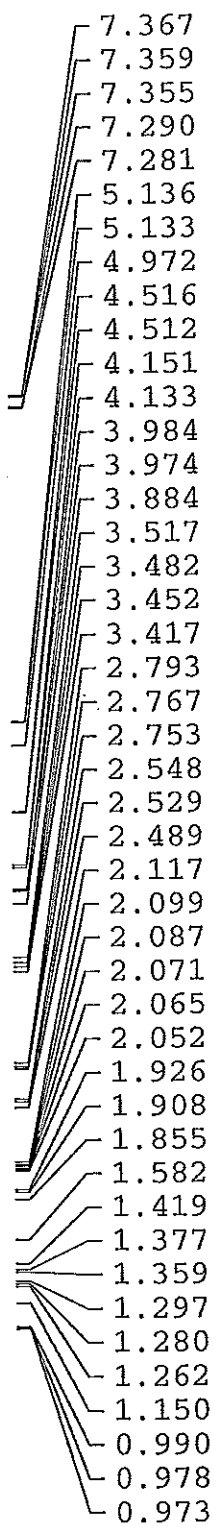
F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
NAME DS-3-24
EXTNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110320
Time 0.00
INSTRUM DPX400
PROBHD 5 mm BBO BB-JH
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 645.1
DW 78.000 usec
DE 6.00 usec
TE 298.2 K
TR 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL 3.00 dB
SFO1 400.2478017 MHz
F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

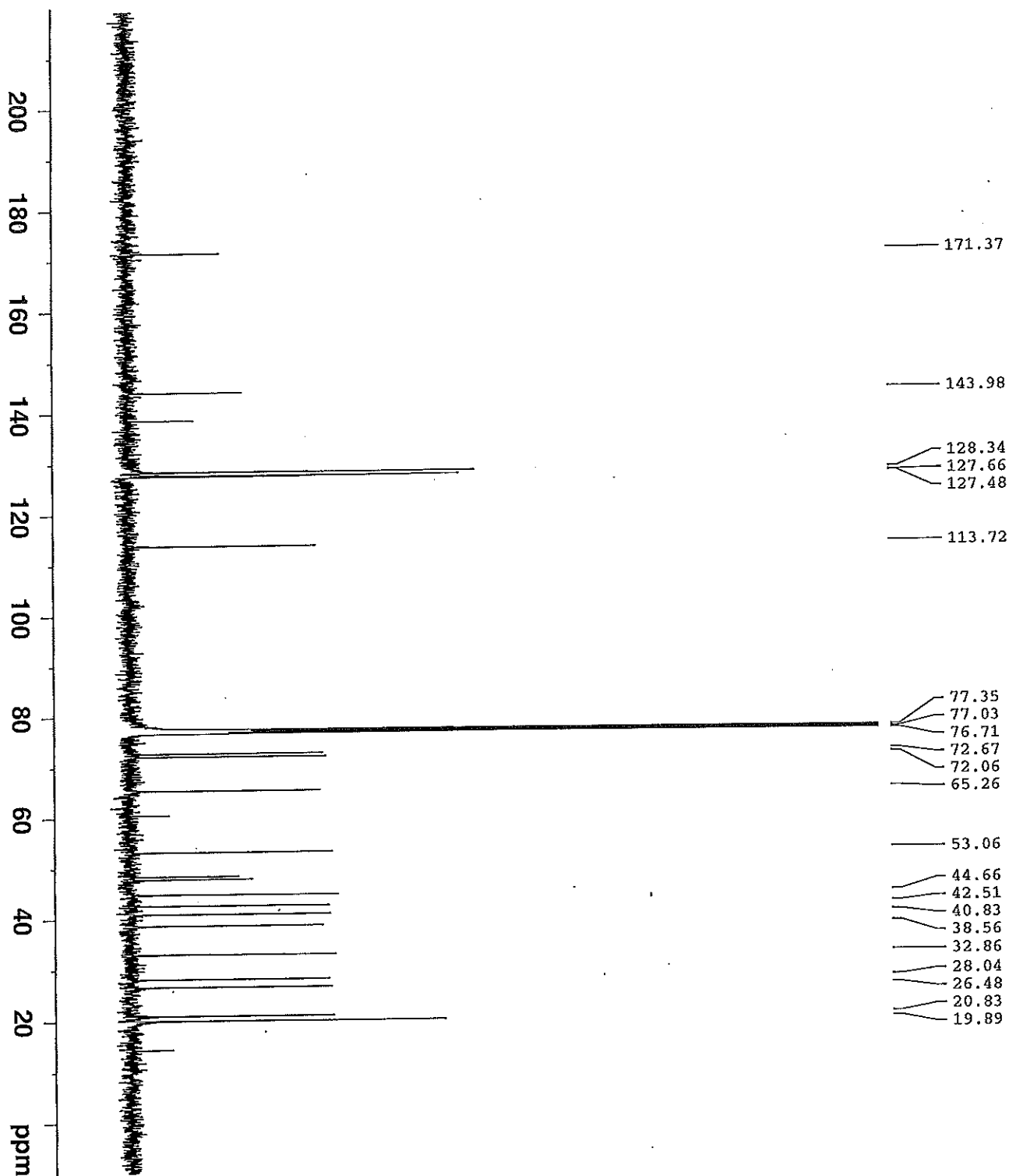
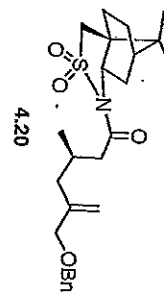


Current Data Parameters
NAME DS-3-28
EXPNO 1
PROCNO 1
PU /m
USER dongs

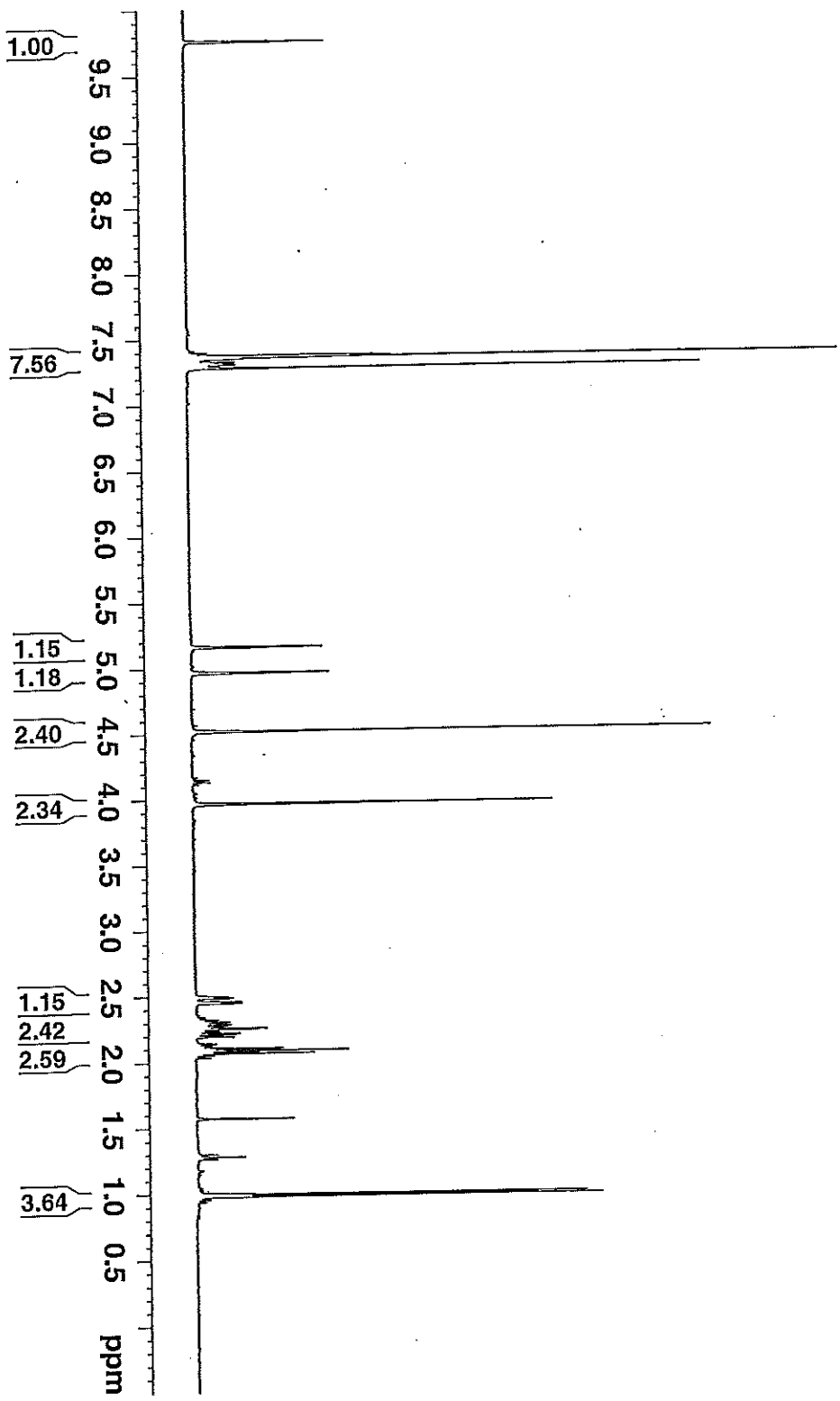
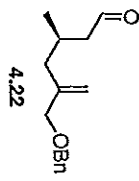
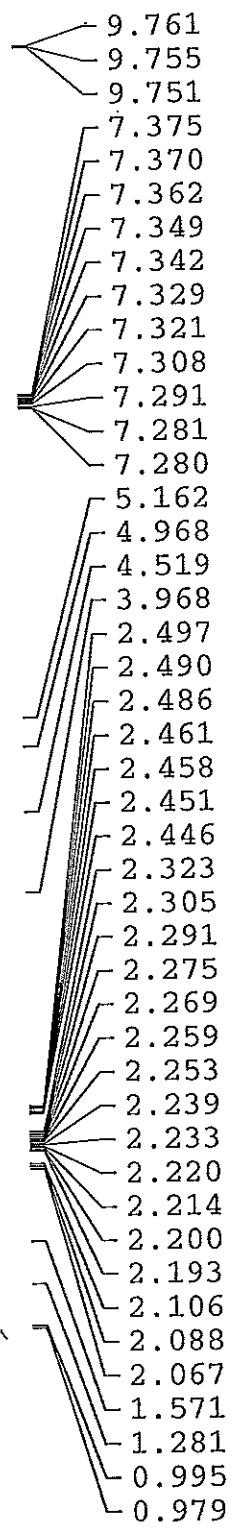
F2 - Acquisition Parameters
Date_ 20110328
Time 22.27
INSTRUM DEX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 322.5
DW 78.000 usec
DE 6.00 usec
TE 298.2 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
NAME DS-3-28
EXPER 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20110329
Time 0.19
INSTRUM DEK400
PROBHD 5 mm BBO BB-4H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 3500
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.364726 sec
RG 327.68
AC 20.850 usec
DE 6.00 usec
TE 298.2 K
D1 0.20000000 sec
d11 0.03000000 sec
DELTA 0.10000000 sec
ZD0 1
===== CHANNEL F1 =====
NUC1 13C
P1 8.30 usec.
PLA -2.00 dB
SFO1 100.6217495 MHz
===== CHANNEL F2 =====
CEPRNG2 WALTZ16
NUC2 1H
PCPD2 90.00 usec
PL2 -3.00 dB
PL12 15.00 dB
PL13 15.00 dB
SFO2 400.2465010 MHz
F2 - Processing parameters
SI 327.68
WDW EM
SSB 0
LB 3.00 Hz
CB 0
PC 1.40



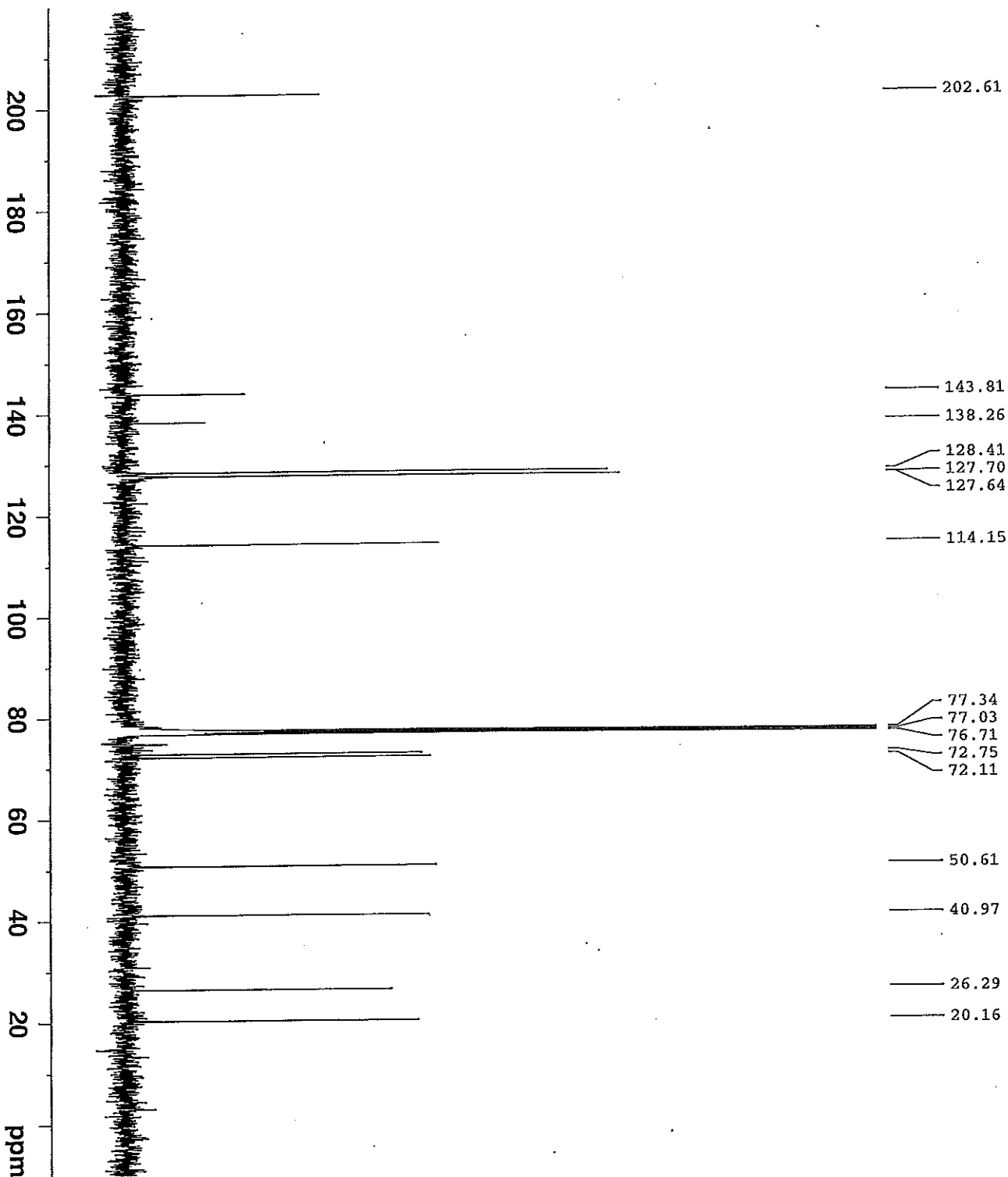
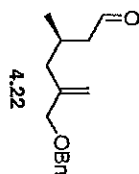
Current Data Parameters
NAME DS-3-44
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110424
Time 23.08
INSTRUM DPK400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 724.1
DW 78.000 usec
DE 6.00 usec
TE 298.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EX
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

aldehyde



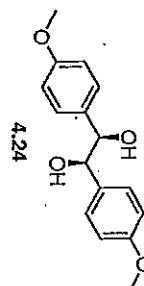
Current Data Parameters
NAME DS-3-42
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 2011.04.20
Time_ 12.45
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
DS 2.15
NS 2380
DSF 2380.814 Hz
SFO 100.626130 MHz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 5792.6
DW 20.850 usec
DE 6.00 usec
TE 300.0 K
D1 0.2000000 sec
d11 0.0000000 sec
DELTA 0.1000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.30 usec
PL1 -2.30 dB
SFO1 100.626130 MHz

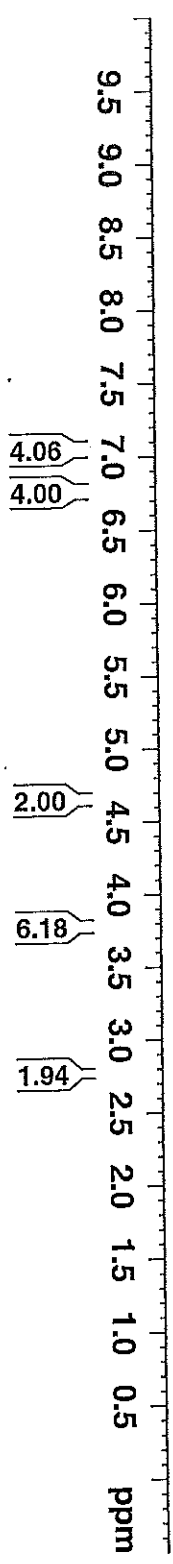
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 -3.00 dB
PL12 12.00 dB
PL13 12.00 dB
SFO2 400.2465010 MHz

F2 - Processing parameters
SI 32768
SF 100.616850 MHz
WDW EM
SSB 0
GB 0
PC 1.40



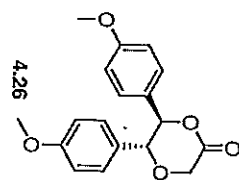
7.281
7.077
7.071
7.060
7.055
6.795
6.790
6.778
6.773

4.660
3.787
2.774
1.566

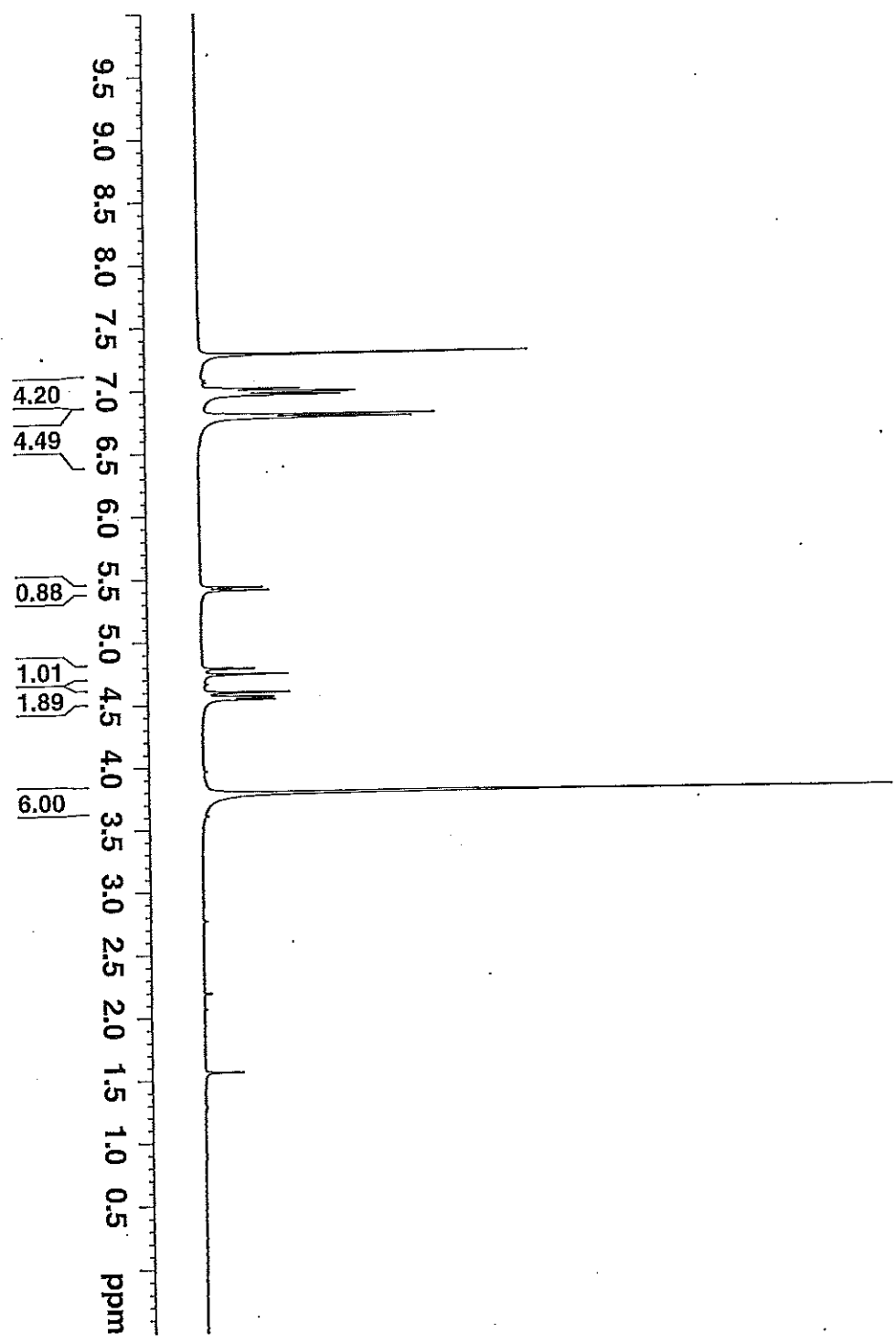


Current Data Parameters
NAME DS-3-35
EXPNO 3
PROCNO 1
PU /m
USER dongs
F2 - Acquisition Parameters
Date_ 20110405
Time 0.00
INSTRUM DPX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SMH 6410.256 Hz
FIDRES 0.185625 Hz
AQ 2.5589540 sec
RG 812.7
DW 78.000 usec
DE 6.00 usec
TE 298.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL -3.00 dB
SFO1 400.2478017 MHz
F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

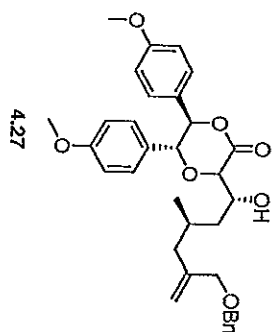
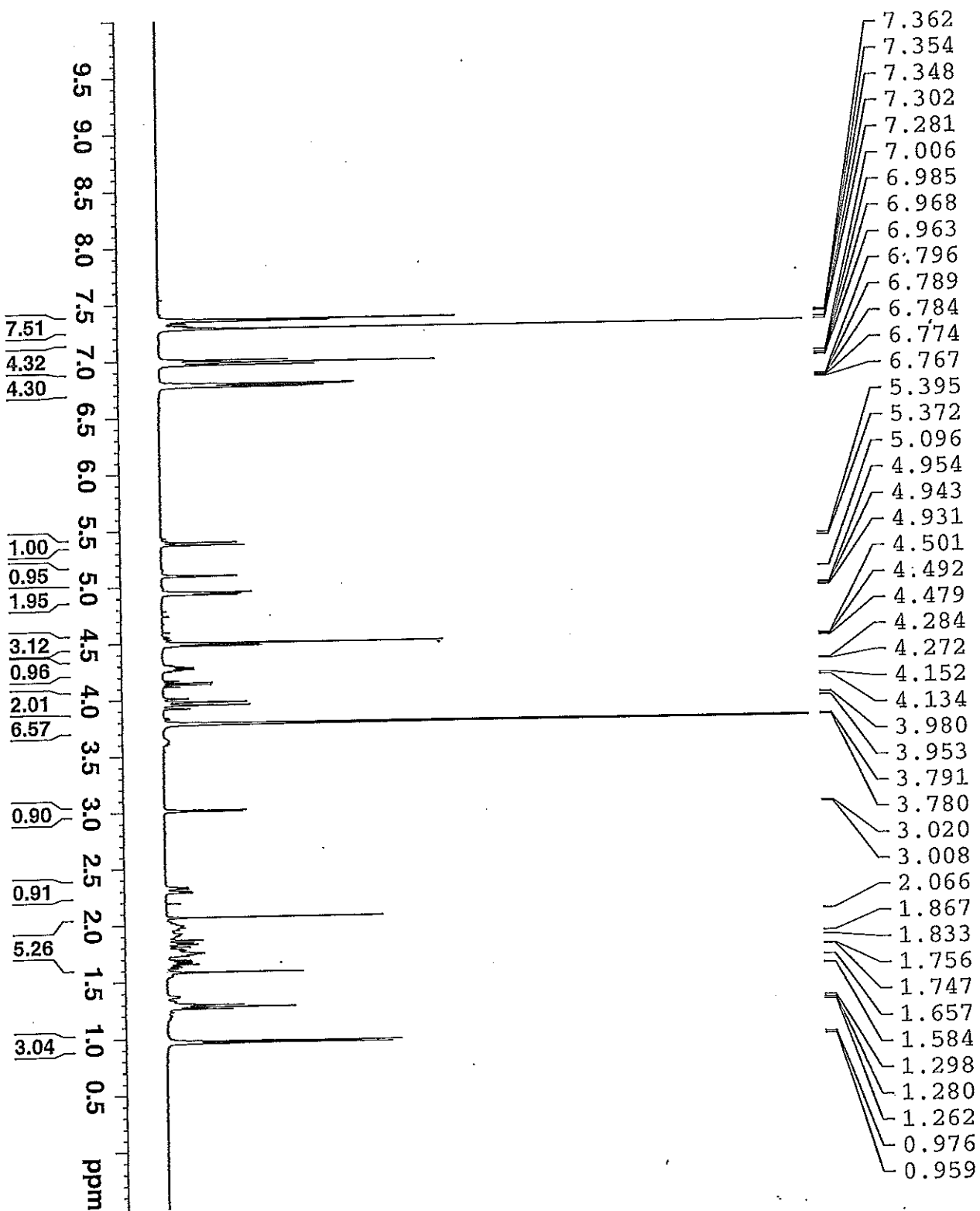


- 7.284
- 7.010
- 6.989
- 6.984
- 6.961
- 6.800
- 6.780
- 5.435
- 5.411
- 4.788
- 4.744
- 4.598
- 4.564
- 4.554
- 4.541
- 3.791



NAME DS-3-37
 EXPNO 1
 PROCNO 1
 Date_ 20110411
 Time 9.34
 INSTRUM robinson
 PROBRD 5 mm PABBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 6793.478 Hz
 FIDRES 0.207320 Hz
 AQ 2.4117749 sec
 RG 228.1
 DM 73.600 usec
 DE 6.50 usec
 TE 298.1 K
 D1 2.0000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 14.00 usec
 PL1 0.00 dB
 SFO1 400.1424008 MHz
 SI 32768
 SF 400.1400000 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



Current Data Parameters
NAME DS-3-50
EXPNO 2
PROCNO 1
DT /m
USER dongs

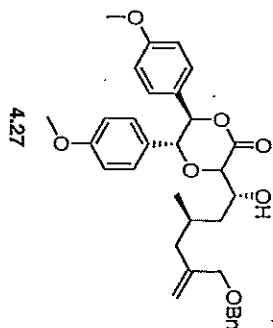
F2 - Acquisition Parameters
Date_ 20110509
Time 0.25
INSTRUM DEX400
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 574.7
RG 78.000 usec
DE 6.00 usec
TE 299.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

pure

- 169.92
- 159.77
- 144.57
- 138.33
- 128.80
- 128.54
- 128.40
- 127.72
- 127.59
- 113.77
- 113.43
- 85.17
- 77.82
- 76.53
- 72.93
- 72.08
- 71.60
- 55.24
- 40.96
- 40.34
- 27.43
- 20.71



200 180 160 140 120 100 80 60 40 20 ppm

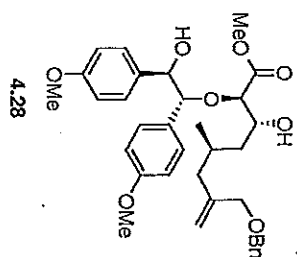
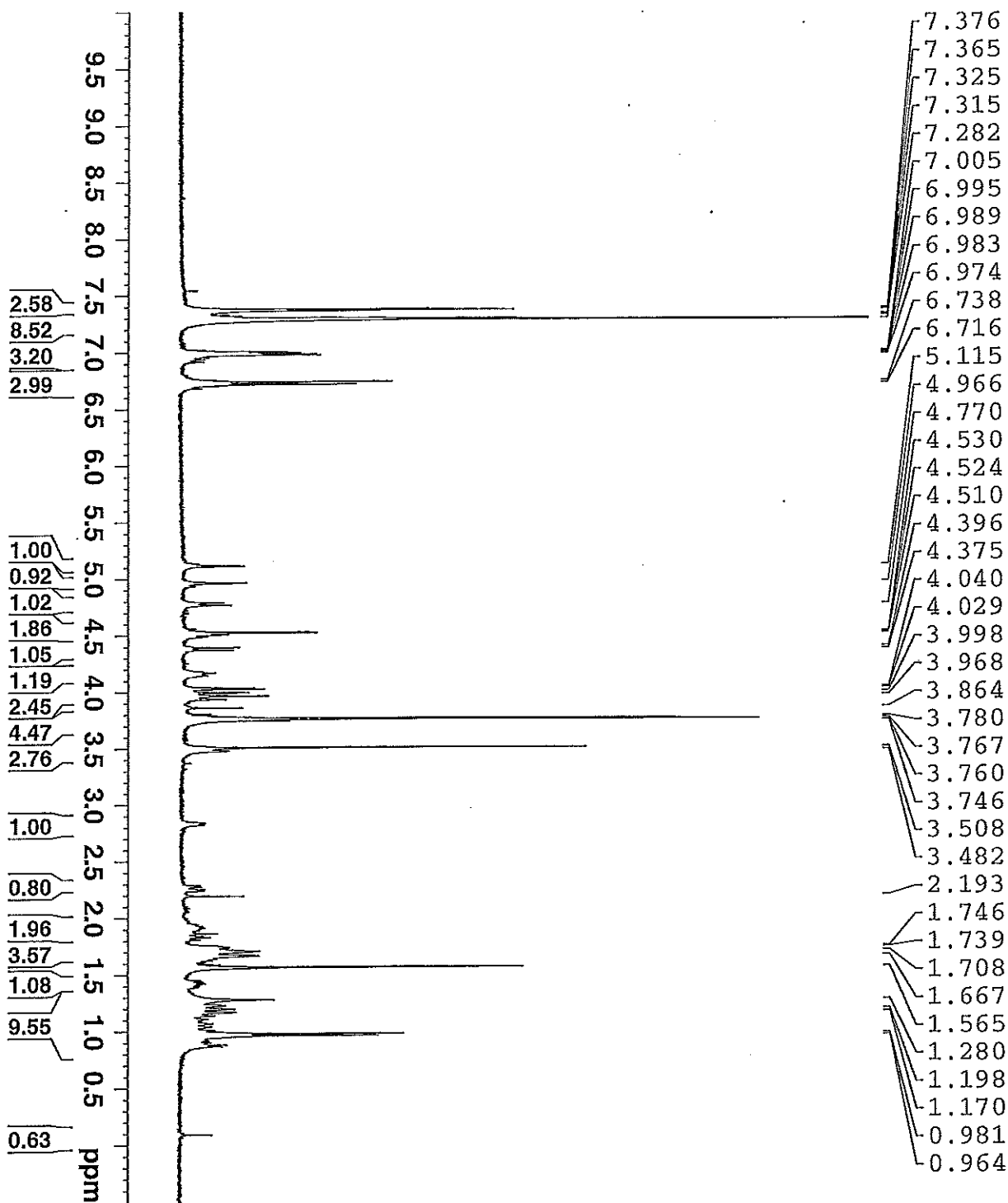
Current Data Parameters
NAME DS-3-50
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110509
Time 2.01
INSTRUM DFX400
PROBHD 5 mm BBO BB-JH
PULPROG zgpg30
SOLVENT CDCl3
NS 3000
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 819.2
SD 20.852
DE 6.00 usec
TE 298.2 K
D1 0.20000000 sec
d11 0.03000000 sec
DELTA 0.10000000 sec
TD 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.30 usec
PL -3.00 dB
SFO1 100.6517495 MHz

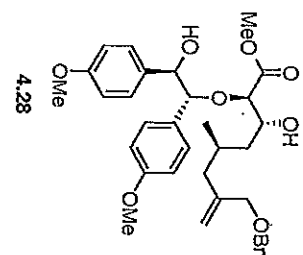
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P2 90.00 usec
PL2 -3.00 dB
PL12 15.00 dB
PL13 15.00 dB
SFO2 400.2466010 MHz

F2 - Processing parameters
SI 32768
SF 100.646458 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40



NAME DS-3-55
 EXPNO 1
 PROCNO 1
 Date_ 20110510
 Time 18.28
 INSTRUM robinson
 PROBD 5 mm PABBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 6793.478 Hz
 FIDRES 0.207320 Hz
 AQ 2.411749 sec
 RG 256
 DW 73.600 usec
 DE 6.50 usec
 TE 298.2 K
 D1 2.0000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUCL 1H
 P1 14.00 usec
 PL1 0.00 dB
 SFO1 400.142408 MHz
 SI 32768
 SF 400.140000 MHz
 WDM EX
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



4.28

- 129.21
- 128.42
- 128.29
- 127.79
- 127.64
- 113.63
- 113.39
- 113.28
- 89.36
- 81.83
- 72.91
- 72.07
- 70.37
- 55.14
- 40.45
- 20.86

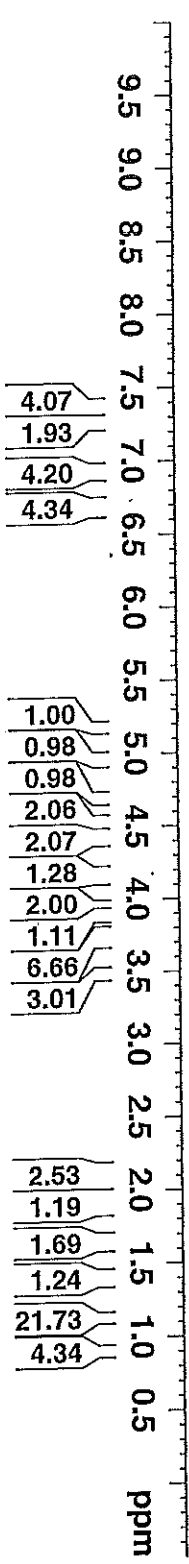
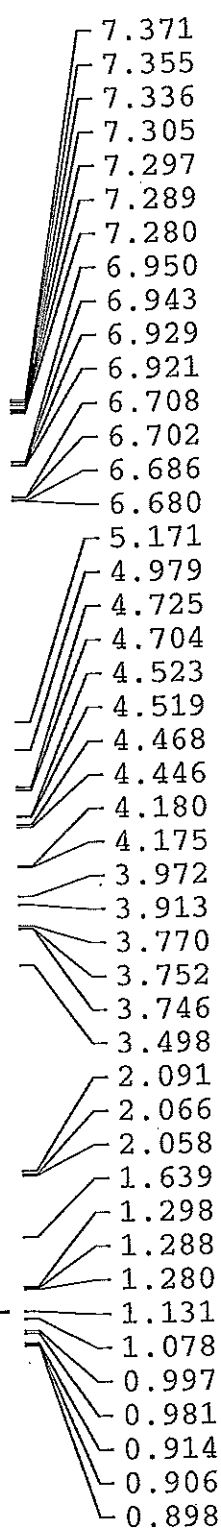
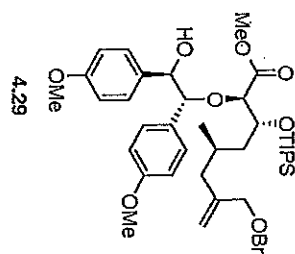


```

NAME DS-3-56
EXPNO 1
PROCNO 1
Date_ 20110522
Time 23.55
INSTRUM robinson
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 3000
DS 4
SMH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 20642.5
DM 20.850 usec
DE 6.50 usec
TE 298.7 K
D1 0.20000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PL -2.00 dB
SFO1 100.6253446 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 0.00 dB
PL12 16.16 dB
PL13 17.00 dB
SFO2 400.1416006 MHz
SI 32768
SF 100.6152830 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40
  
```



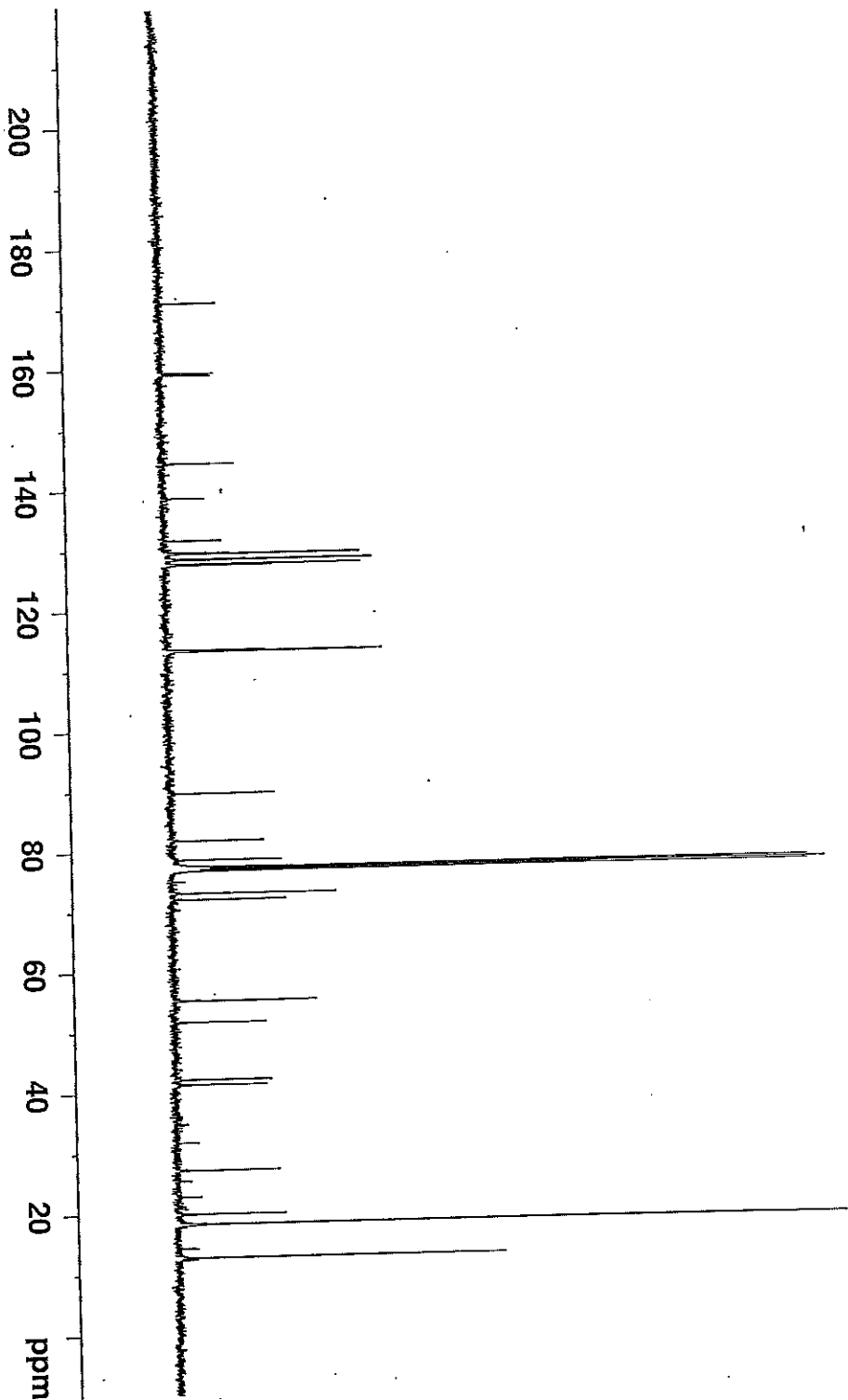
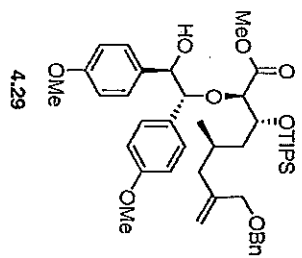
Current Data Parameters
NAME DS-3-66
EXPERNO 1
PROCNO 1
DU /m
USER dongs

F2 - Acquisition Parameters
Date_ 20110524
Time 21.41
INSTRUM DPM400
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6410.256 Hz
FIDRES 0.195625 Hz
AQ 2.5559540 sec
RG 128
RG 78.000 usec
DE 6.00 usec
TE 298.2 K
D1 2.0000000 sec
TD0 1

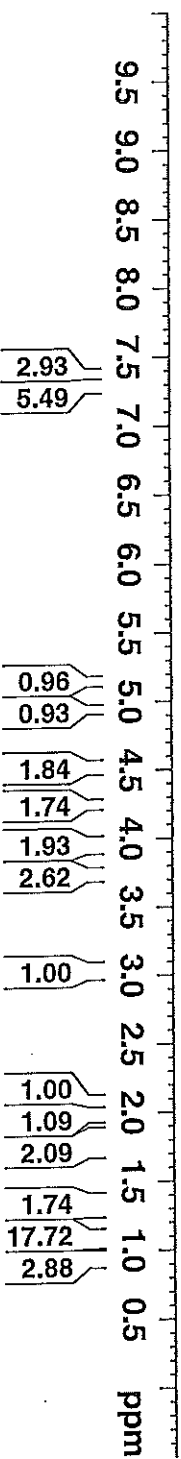
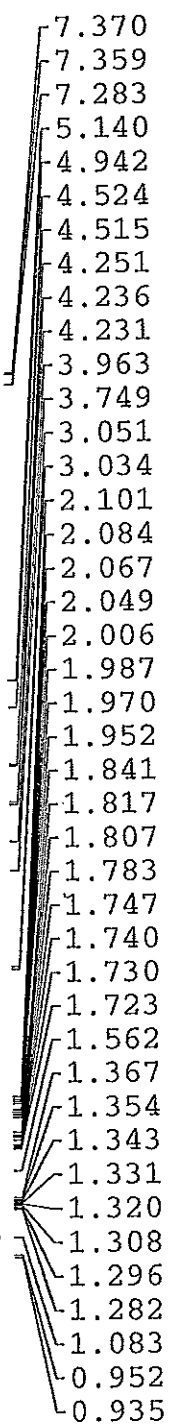
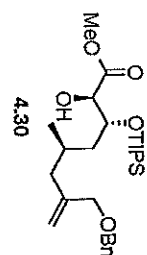
===== CHANNEL f1 =====
NUC1 1H
P1 13.50 usec
PL1 -3.00 dB
SFO1 400.2478017 MHz

F2 - Processing parameters
SI 32768
SF 400.2450000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

170.79
144.25
131.53
129.51
129.37
128.44
128.35
127.63
127.48
113.33
113.19
113.12
89.63
81.74
78.53
72.94
71.92
55.11
51.54
42.06
41.20
27.07
19.81
18.19
12.62



Current Data Parameters
NAME DS-3-45
EXPNO 3
PROCNO 1
F2 - Acquisition Parameters
Date_ 20110524
Time 17:08
INSTRUM DEKAD0
PROBHD 5 mm BBO ZGR410
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 2000
DS 4
F2 23987.814 Hz
F1 125.76112 Hz
AQ 0.365242 sec
RG 1.3567602
RG 20.850 usec
TE 298.2 K
DE 6.00 usec
TE 298.2 K
D1 0.20000000 sec
d11 0.03000000 sec
DELTA 0.10000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 13C
P1 8.30 usec
PL -3.00 dB
SFO1 100.6217495 MHz
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P2 90.00 usec
PL2 -3.00 dB
PL12 15.00 dB
PL13 15.00 dB
SFO2 400.2466010 MHz
F2 - Processing parameters
SI 32768
SF 100.616550 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

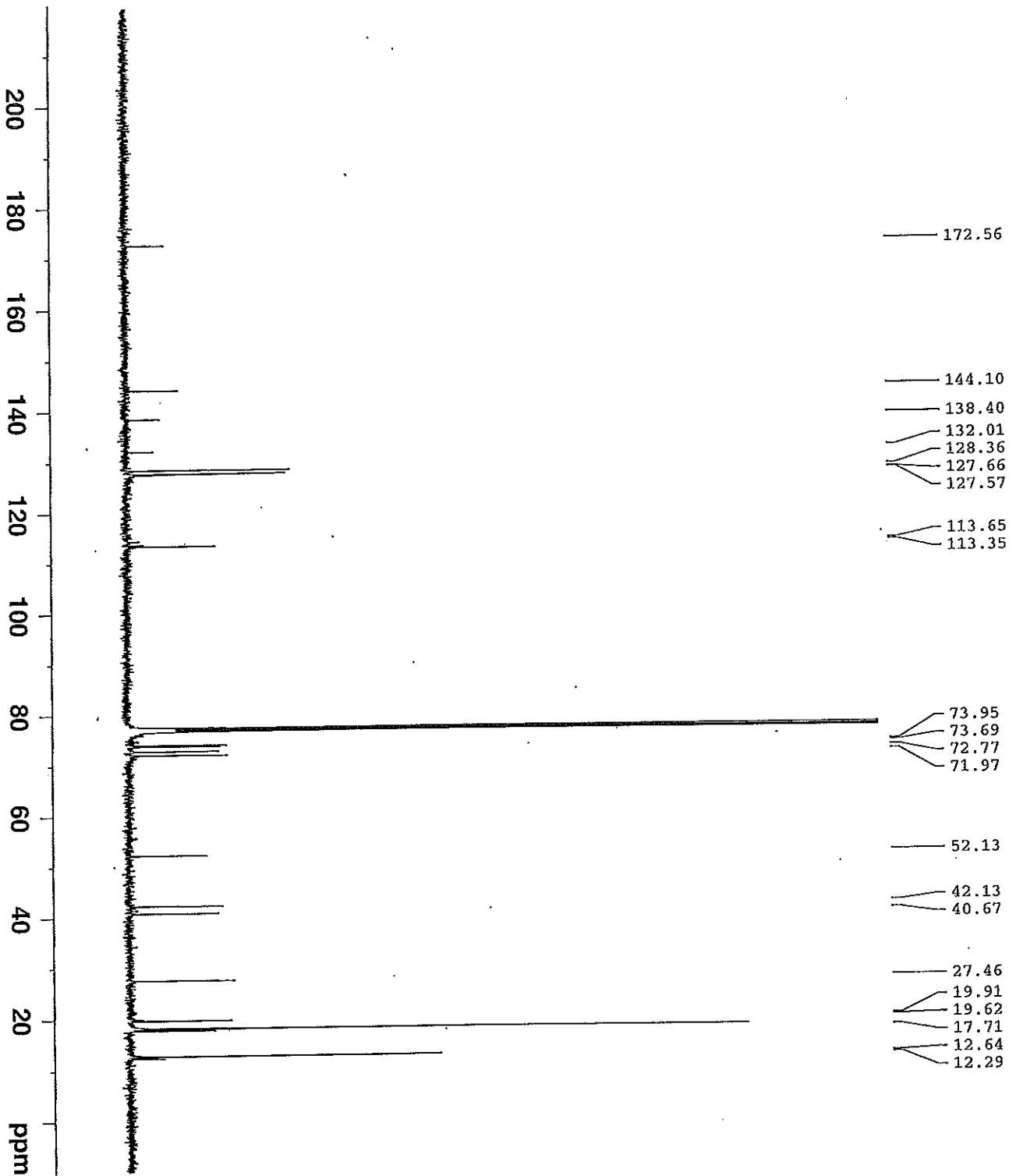
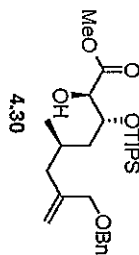


```

NAME DS-3-62
EXPNO 1
PROCNO 1
Date_ 20110516
Time 15.53
INSTRUM robinson
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6793.478 Hz
FIDRES 0.207320 Hz
AQ 2.4117749 sec
RG 181
DW 73.600 usec
DE 6.50 usec
TE 298.3 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL 0.00 dB
SFO1 400.1424008 MHz
SI 32768
SF 400.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

```



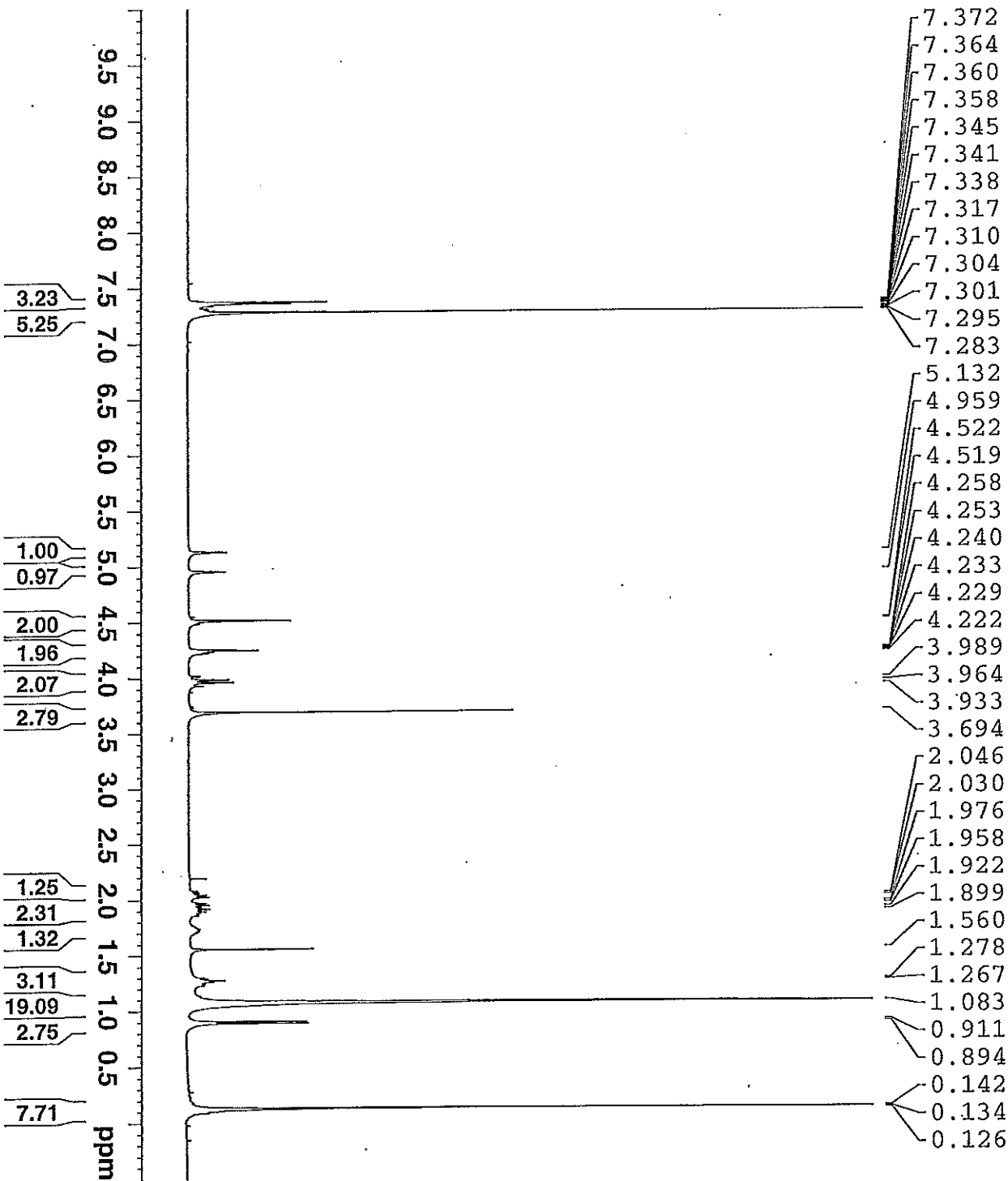
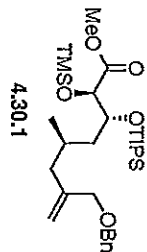
Current Data Parameters
 NAME DS-3-57
 EXPNO 3
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20110524
 Time 20:00
 INSTRUM spect
 PULPROG zgpg30
 TD 65536
 SFO1 100.626130
 SOLVENT CDCl3
 NS 4000
 DS 4
 SWH 23986.814 Hz
 FIDRES 0.34518 Hz
 AQ 1.3664756 sec
 RG 8192
 DE 20.850 usec
 TE 298.2 K
 D1 0.2000000 sec
 DELTA 0.0300000 sec
 DELTA 0.1000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 8.30 usec
 PL1 -3.00 dB
 SFO1 100.626130 MHz

===== CHANNEL f2 =====
 CDPORG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL2 -3.00 dB
 PL12 15.00 dB
 PL13 15.00 dB
 SFO2 400.2486010 MHz

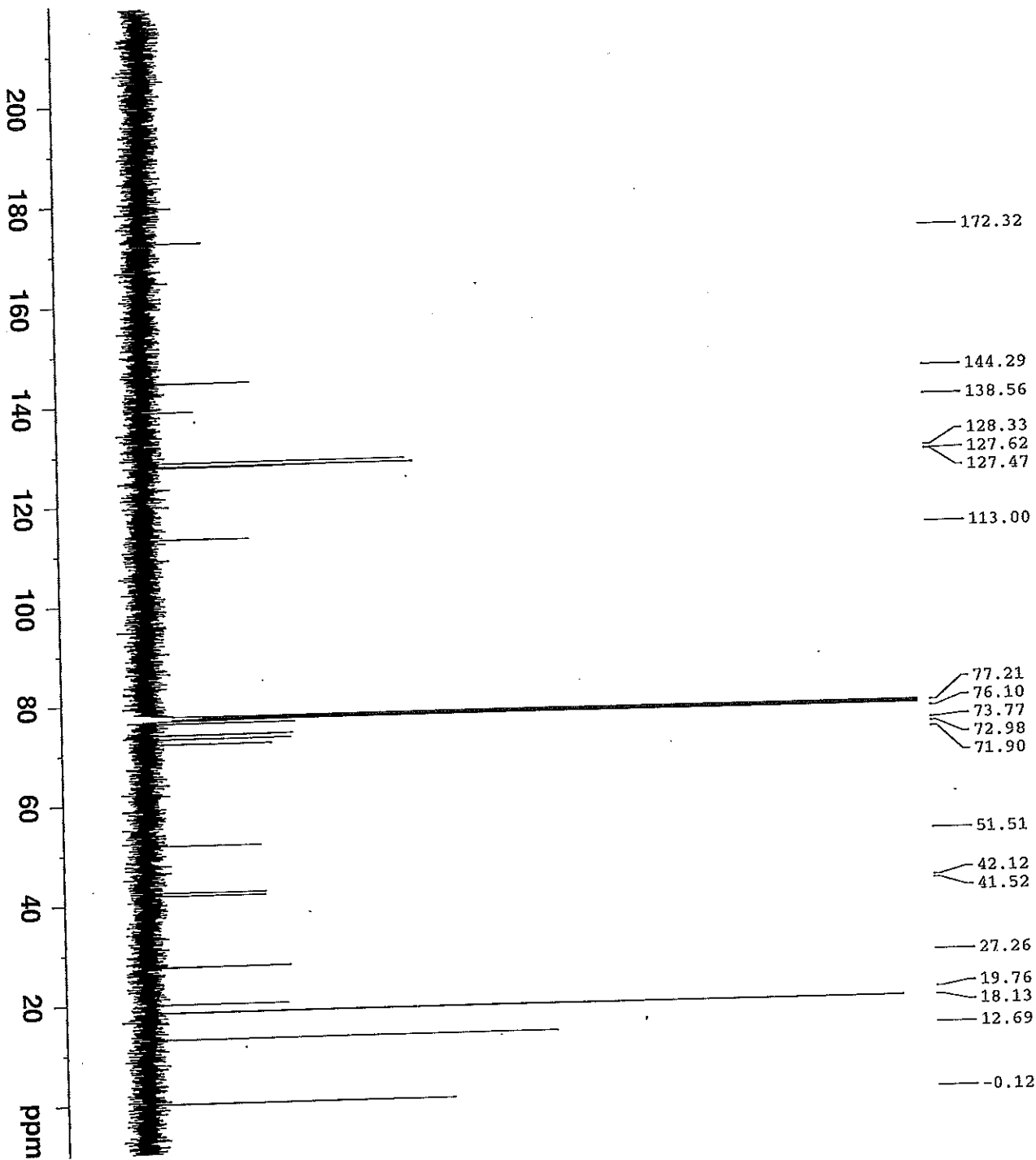
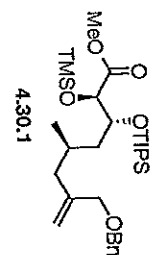
F2 - Processing Parameters
 SI 32768
 SF 100.626130 MHz
 WDW EM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40



```

NAME DS-3-63
EXPNO 1
PROCNO 1
Date_ 20110517
Time 10.28
INSTRUM robinson
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6793.478 Hz
FIDRES 0.207320 Hz
AQ 2.411749 sec
RG 181
DW 73.600 usec
DE 6.50 usec
TE 298.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL 0.00 dB
SFO1 400.1424008 MHz
SI 32768
SF 400.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
  
```

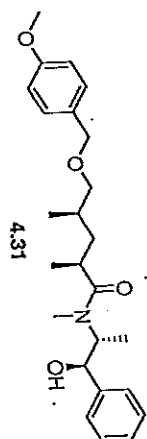
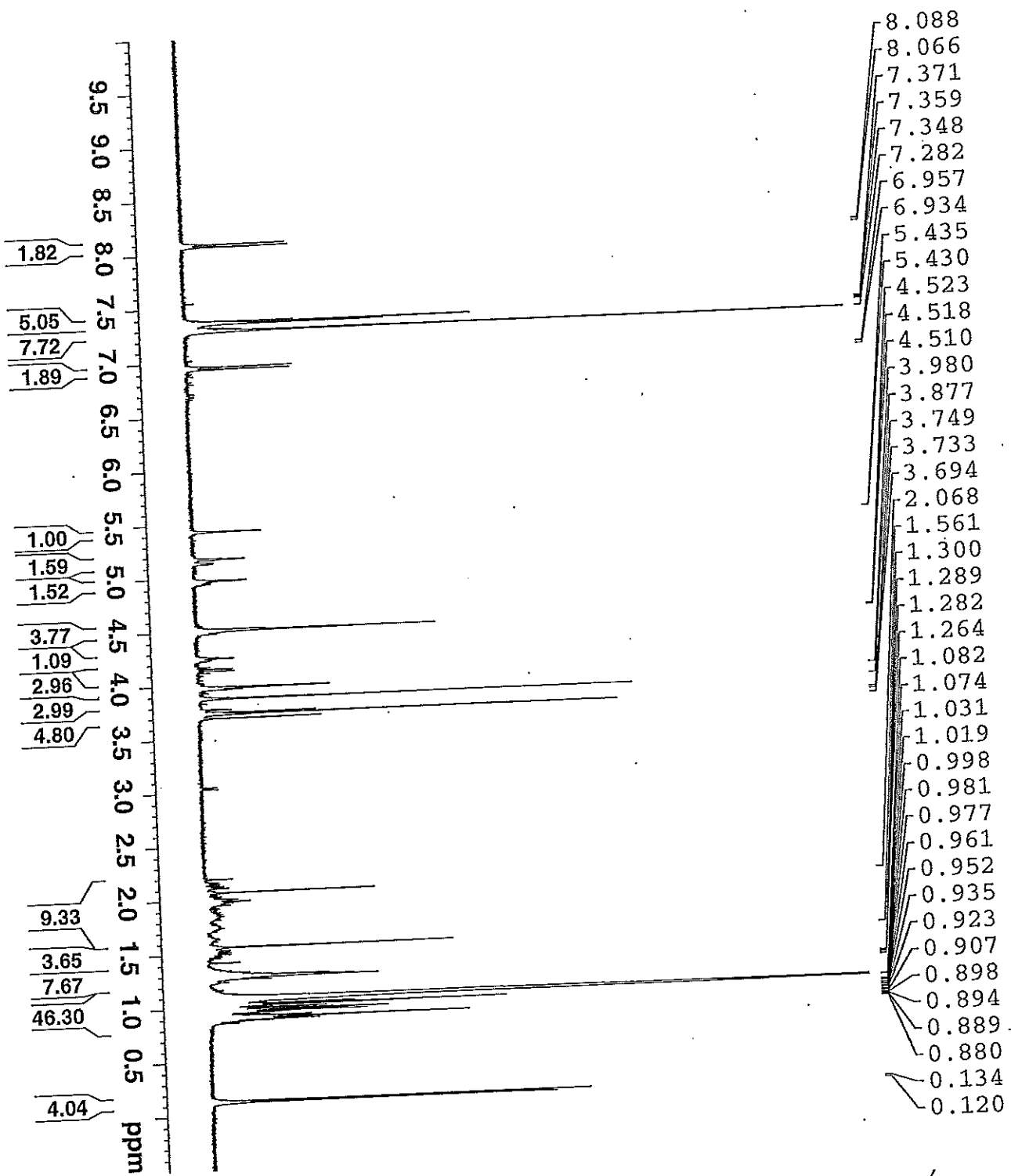


NAME DS-3-63
 EXPNO 3
 PROCNO 1
 Date_ 20110523
 Time 1.56
 INSTRUM robinson
 PROBD 5 mm PABO BB-
 PULPROG zgpg30
 TD 65536
 CDCL3
 SOLVENT 4000
 NS 4
 DS 23980.814 Hz
 SWH 0.365918 Hz
 FIDRES 1.3664756 sec
 AQ 14596.5
 RG 20.850 usec
 DW 6.50 usec
 DE 298.9 K
 TE 0.2000000 sec
 D1 0.03000000 sec
 D11 1
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.00 usec
 PL1 -2.00 dB
 SFO1 100.6253446 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL2 0.00 dB
 PL12 16.16 dB
 PL13 17.00 dB
 SFO2 400.1416006 MHz
 SI 32768
 SF 100.6152830 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

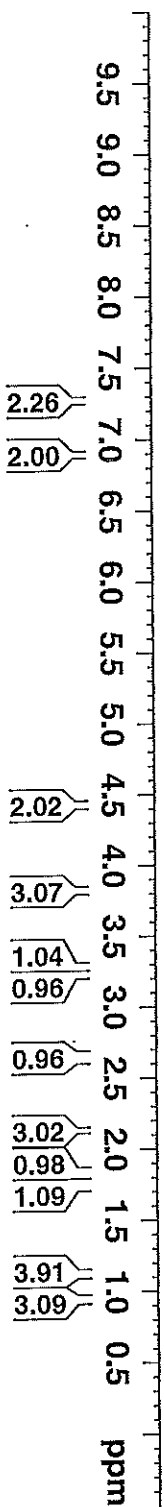
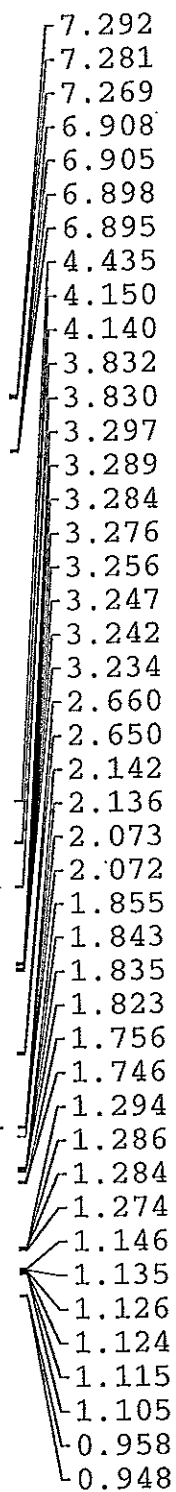
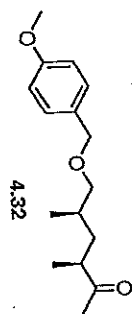
sm 2



NAME DS-3-69
 EXPNO 1
 PROCNO 1
 Date_ 20110527
 Time 23.59
 INSTRUM robinson
 PROBD 5 mm PABO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 6793.478 Hz
 FIDRES 0.207320 Hz
 AQ 2.4117749 sec
 RG 4
 WC 73.600 usec
 DE 6.50 usec
 TE 298.2 K
 D1 2.0000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUCL 1H
 P1 14.00 us
 PL 0.00 dB
 SFO1 400.1424008 MHz
 SI 32768
 SF 400.1400000 MHz
 WDW EM
 SSB 0
 GB 0.30 Hz
 PC 1.00

prod



NAME DS-4-38
EXPNO 1
PROCNO 1
Date_ 20110727
Time 19.05
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zg30
TD 95236
SOLVENT CDCl3
NS 11
DS 2
SWH 11904.762 Hz
FIDRES 0.125003 Hz
AQ 3.999621 sec
RG 57
IN 42.000 usec
DE 16.50 usec
TE 298.2 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 9.40 usec
PL1 -3.20 dB
PR1W 33.59817505 W
SFO1 700.124508 MHz
SI 131072
SF 700.1200000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

prod

213.03

159.07

130.70
129.15

113.72

75.22
72.59

55.29

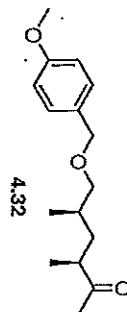
45.02

37.20

31.50

27.80

17.63
17.32



200 180 160 140 120 100 80 60 40 20 ppm

```

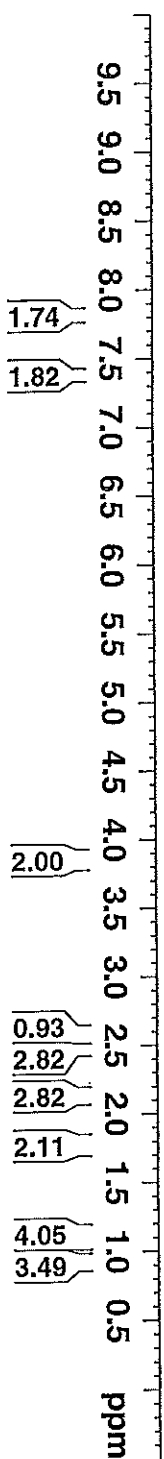
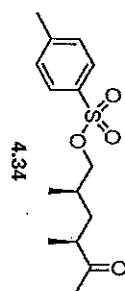
NAME          DS-4-38
EXPNO         2
PROCNO        1
Date_         20110727
Time         19.13
INSTRUM       spect
PROBHD        5 mm CPDCH 13C
PULPROG       zgpg30
TD            98304
SOLVENT       CDCl3
NS            131
DS            4
SWH           41666.668 Hz
FIDRES       0.423855 Hz
AQ           1.1796980 sec
RG           203
DM           12.000 usec
DE           15.00 usec
TE           298.2 K
D1           2.0000000 sec
D11          0.0300000 sec
TD0          1

===== CHANNEL f1 =====
NUC1          13C
P1           9.00 usec
PL1          4.50 dB
PL1W         38.14553832 W
SFO1         176.0629186 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2        65.00 usec
PL2          -3.20 dB
PL12         13.80 dB
PL13         120.00 dB
PL1W         33.59817505 W
PL2W         0.70196527 W
PL13W        0.00000000 W
SFO2         700.1228005 MHz
SI           131072
SF          176.0453140 MHz
WDW           EM
SSB           0
LB           3.00 Hz
GB           0
PC           1.40
  
```

3rd spot

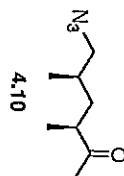
7.813
7.809
7.797
7.793
7.382
7.381
7.361
7.282
3.880
3.870
3.857
3.844
3.834
3.820
2.592
2.575
2.475
2.136
2.130
1.802
1.787
1.780
1.770
1.762
1.756
1.741
1.736
1.721
1.571
1.155
1.152
1.137
1.122
1.099
1.081
1.066
1.049
0.947
0.932
0.915
0.908
0.891



NAME DS-4-40
EXPNO 3
PROCNO 1
Date_ 20110729
Time 10.05
INSTRUM robinson
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 10
DS 2
SWH 6793.478 Hz
FIDRES 0.207320 Hz
AQ 2.4117749 sec
RG 181
RG 73.600 usec
DE 6.50 usec
TE 298.3 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL1 0.00 dB
SFO1 400.1424008 MHz
SI 32768
SF 400.1400000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

prod



7.292
3.248
3.239
3.230
3.222
3.187
3.178
3.170
3.161
2.664
2.662
2.656
2.654
2.191
2.183
2.077
1.855
1.847
1.843
1.835
1.827
1.823
1.815
1.716
1.714
1.707
1.704
1.608
1.299
1.288
1.278
1.178
1.169
1.166
1.158
1.150
1.146
1.140
1.128
1.118
0.994
0.984
0.981
0.972

9.5 9.0 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 0.5 ppm

1.03
1.00
0.97
3.11
0.97
0.98
4.15
3.18

NAME DS-4-45
EXPNO 1
PROCNO 1
Date_ 20110802
Time 11.08
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zg30
TD 95236
SOLVENT CDCl3
NS 17
DS 2
SWH 11904.762 Hz
FIDRES 0.125003 Hz
AQ 3.9399621 sec
RG 128
RG 42.000 usec
DE 16.50 usec
TE 298.2 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 9.40 usec
PL1 -3.20 dB
PL1W 33.59817505 W
SFO1 700.1245508 MHz
SI 131072
SF 700.120000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

prod

212.35

77.24
77.05
76.87

57.67

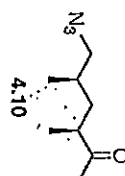
44.71

37.25

31.51

27.97

17.90
17.43



4.10

200 180 160 140 120 100 80 60 40 20 ppm

```

NAME DS-4-45
EXPNO 2
PROCNO 1
Date_ 20110802
Time 11.16
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zgpg30
TD 98304
FIDRES 0.42385 Hz
AQ 1.179680 sec
RG 203
DE 12.000 usec
TE 298.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PL1 4.50 dB
PL1W 38.1453833 W
SFO1 176.0629186 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 65.00 usec
PL2 -3.20 dB
PL2W 13.60 dB
PL3 120.00 dB
PL3W 33.59817505 W
PL1W 0.70196527 W
PL1W 0.00000000 W
SFO2 700.1228005 MHz
SI 131072
SF 176.0453140 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40
  
```