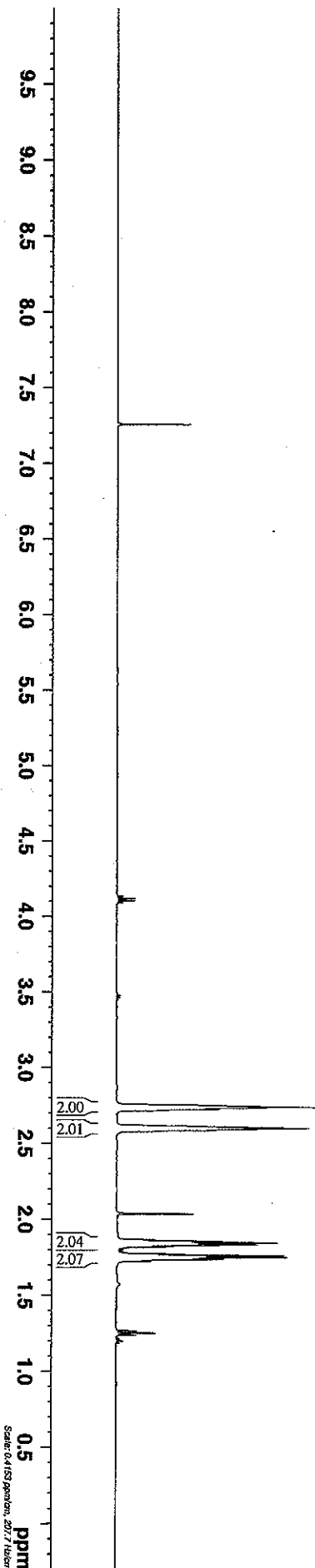
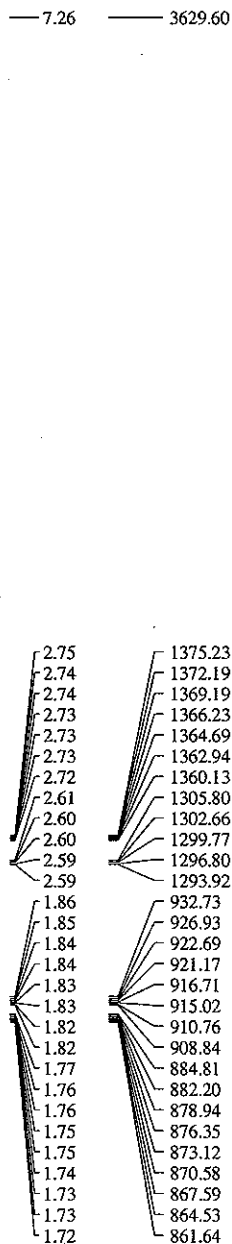
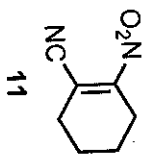


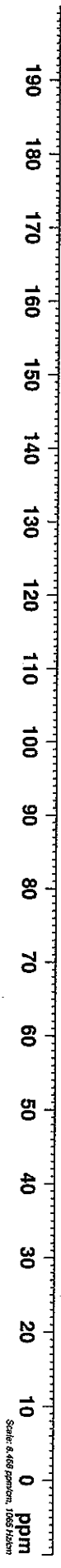
* kimw12 AS1_3_241 (1 1) CDCI3 24:00 October_16_2008_23:20 DRX 500MHz zg30 1H *



Carbon . * kimw12 AS1_3_251_ S.M._13C (1) MeOD 24.0C October_24,2008_14:33 DRX 500MHz zgpg30 13C; 1H O2=4.000 *



Chemical Shift (ppm)	Assignment
19861.72	157.94
14476.15	115.11
14357.99	114.17
9712.55	77.23
9680.55	76.98
9648.56	76.72
3694.62	29.38
3226.78	25.66
2608.28	20.74
2547.40	20.26

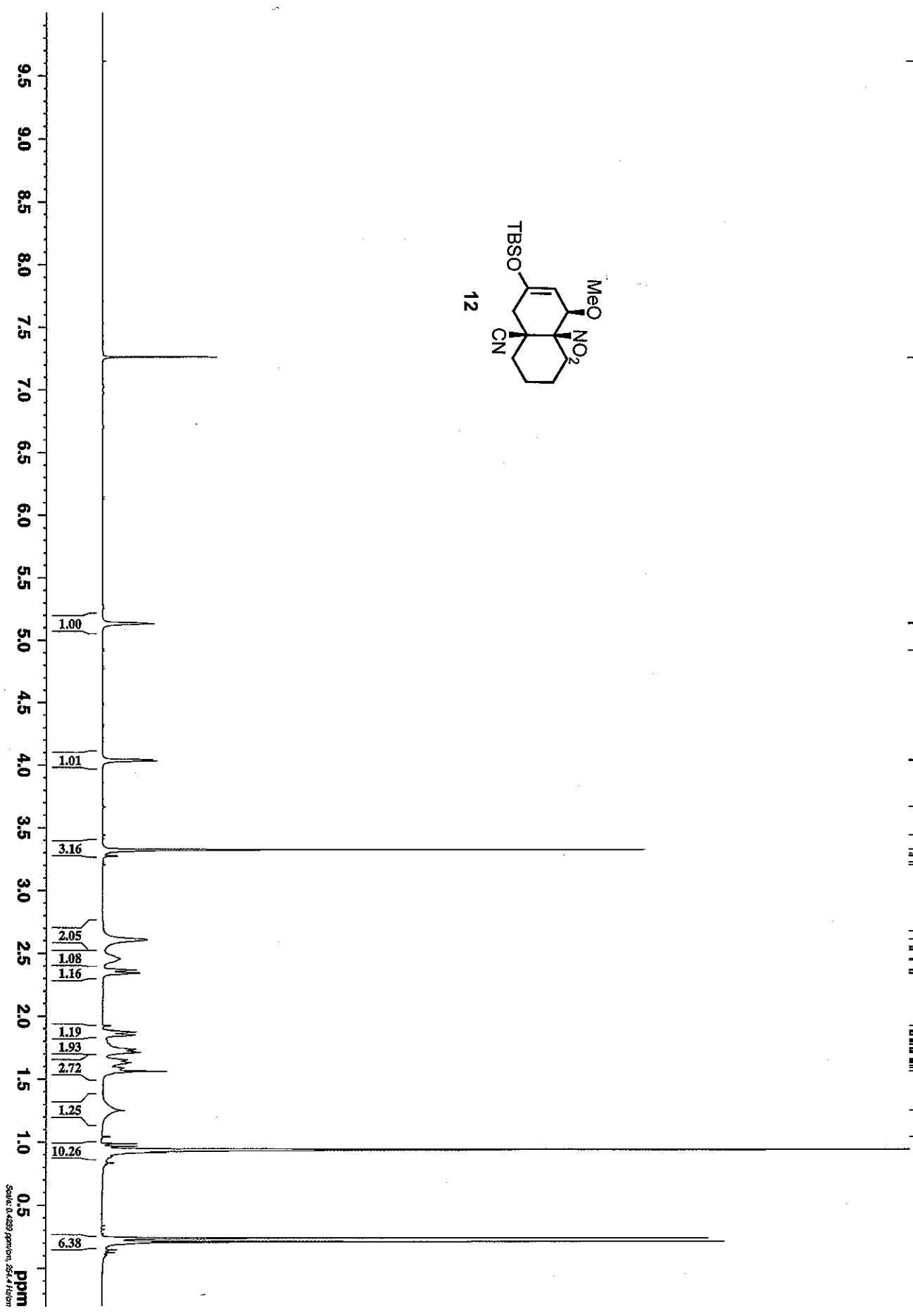
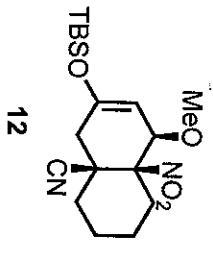


Scale: 6.669 ppm/cm, 1065 Hz/cm

* kimw12 AS1_3_251_30T040 (10 1) CDCl3 24.0C October_24_2008_09:36 Bruker AVII+ 600MHz RRL1326: z930 : 1H 7.500 ppm *

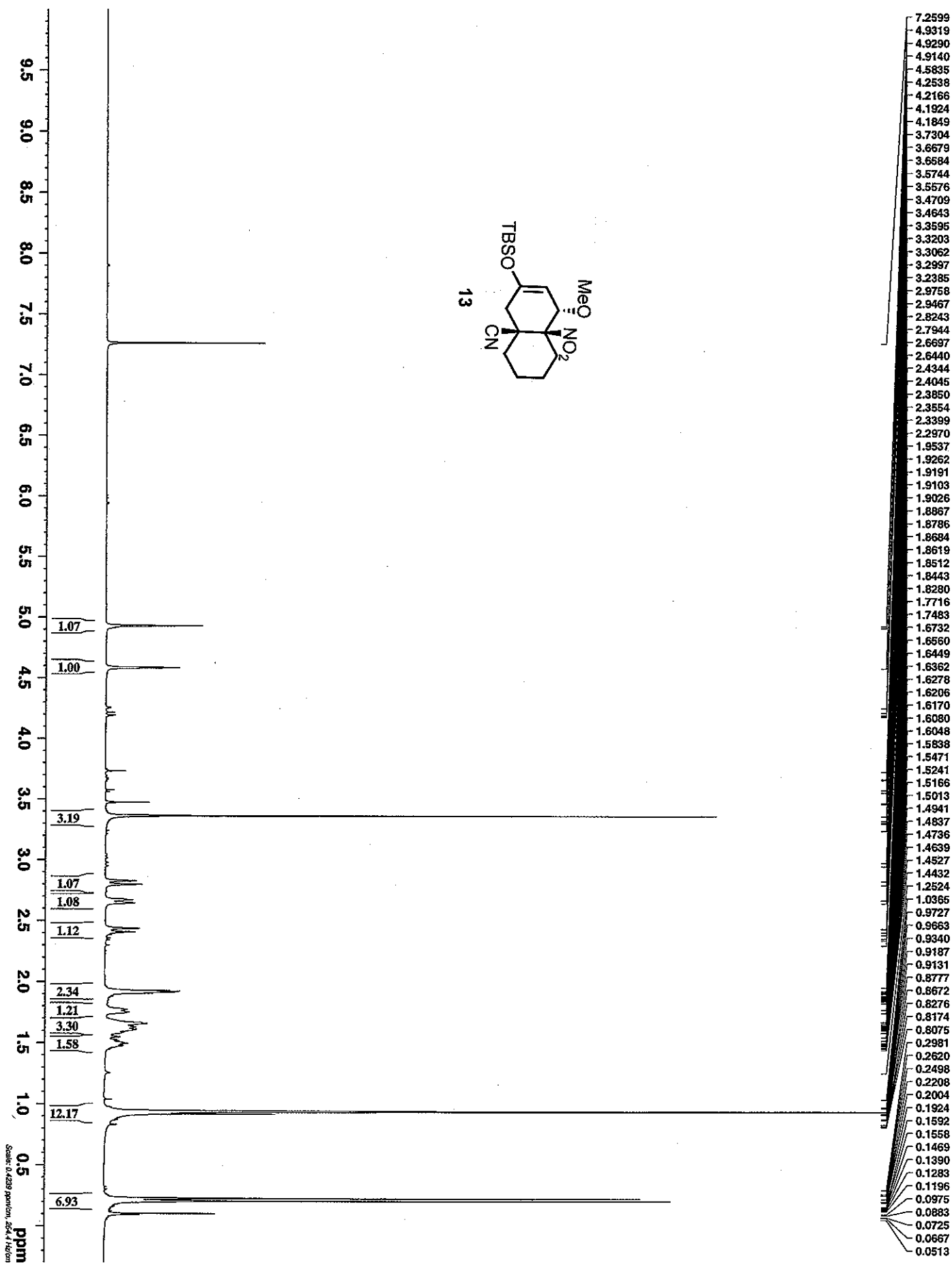
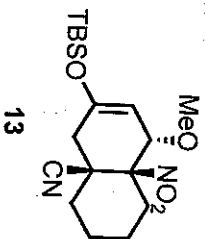
9.6138
 7.2603
 7.2542

5.1405
 5.1327
 4.9180
 4.0431
 4.0350
 3.6668
 3.4408
 3.3248
 3.2941
 3.2777
 3.2735
 3.2256
 3.2040
 2.6767
 2.6104
 2.5539
 2.5463
 2.5373
 2.5252
 2.4549
 2.4444
 2.3680
 2.3620
 2.3492
 2.3434
 2.3378
 1.9248
 1.8891
 1.8814
 1.8760
 1.8688
 1.8578
 1.8510
 1.8454
 1.8170
 1.8112
 1.8033
 1.7941
 1.7786
 1.7736
 1.7437
 1.7374
 1.7303
 1.7211
 1.7137
 1.7072
 1.6592
 1.6530
 1.6465
 1.6359
 1.6293
 1.6240
 1.6074
 1.5874
 1.5613
 1.2505
 1.0427

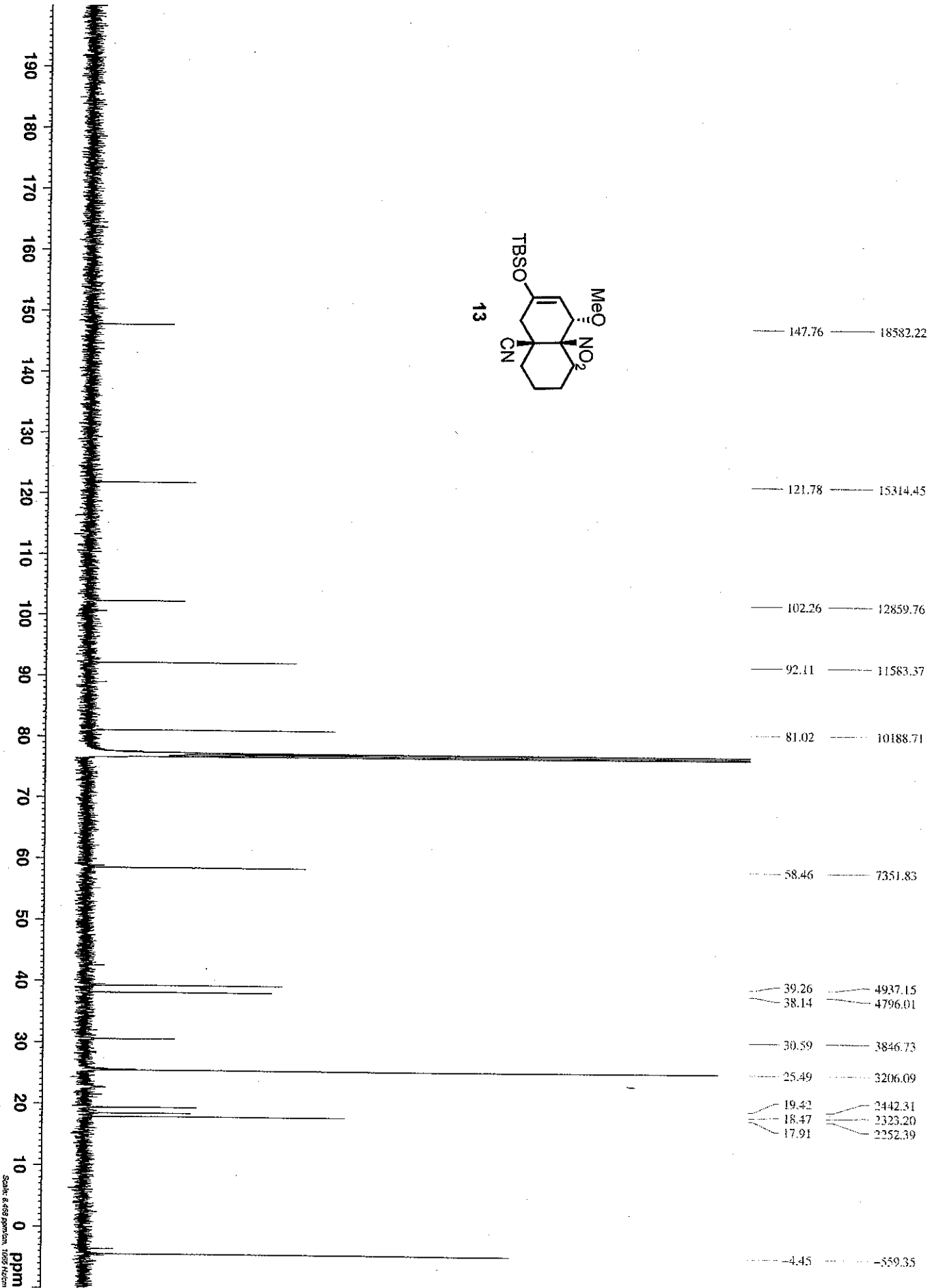


Scale: 0.4899 ppm/cm, 256 x 1024

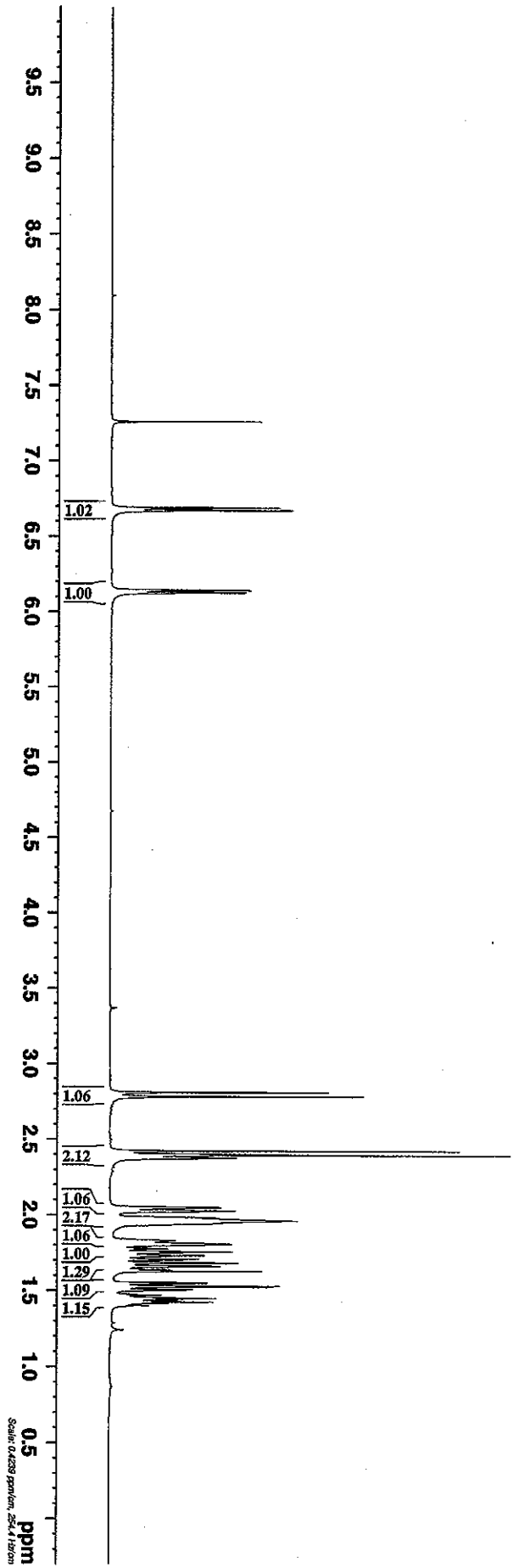
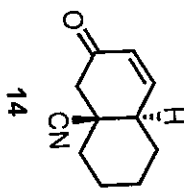
* kimw12 ASI_3_251_14 (10 1) CDCI3 24.0C October_24,2008_20:52 Bruker AVII+ 600MHz RRL1326: zg30 : 1H 7.500 ppm *



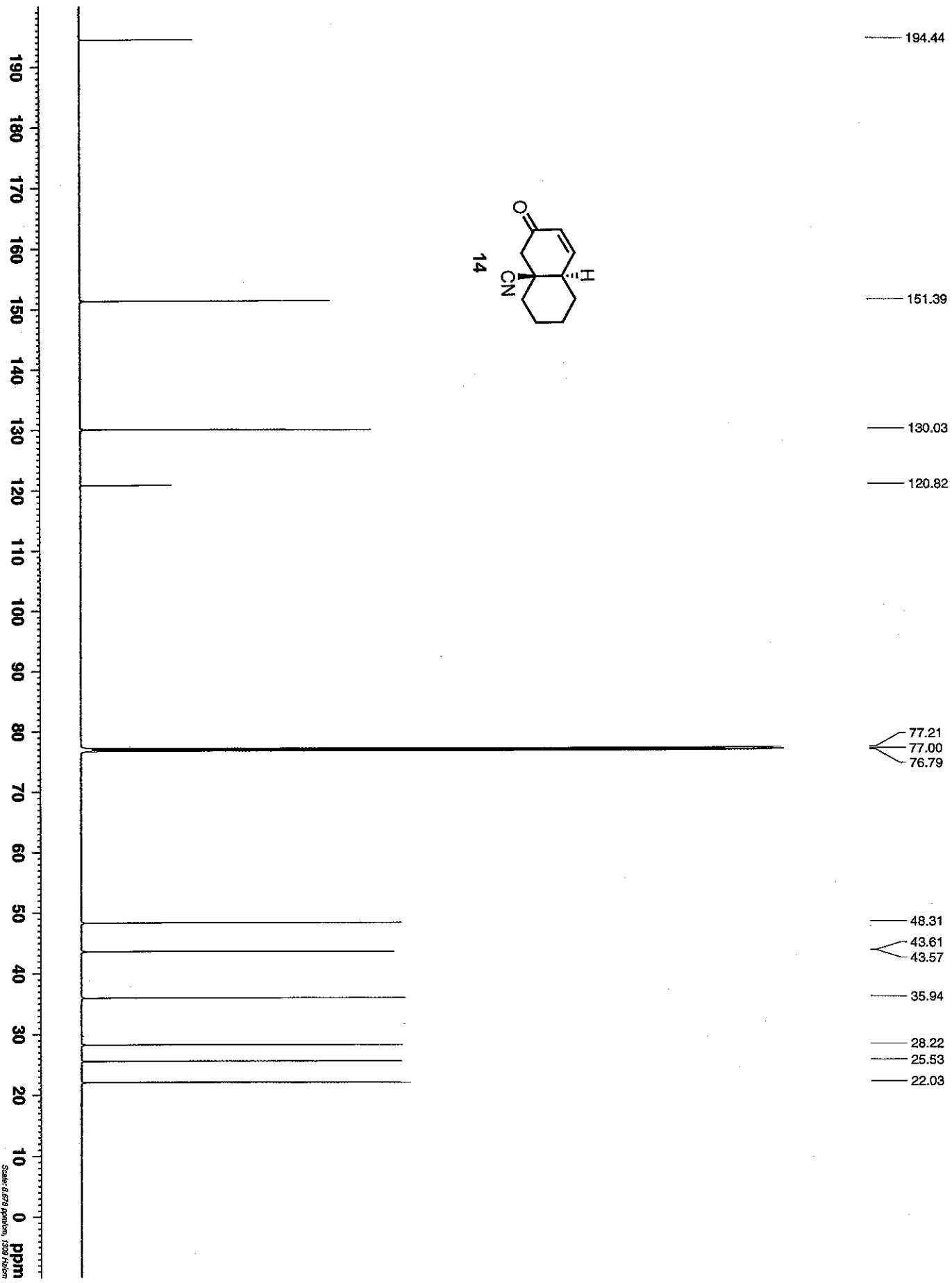
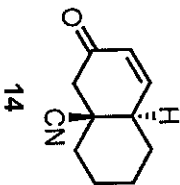
Carbon * Kimw12 AS1_3_251_14_13C (1) CDCl3 24.0C October_23,2008_23:24 DRX 500MHz zgpg30 13C; 1H O2=4.000 *



* Kimw12 AS1_3_269_MAJOR (10 1) CDCI3 24.0C November_07_2008_20:13 Bruker AVII+ 600MHz RRL1326: zg30 : 1H 7.500 ppm *

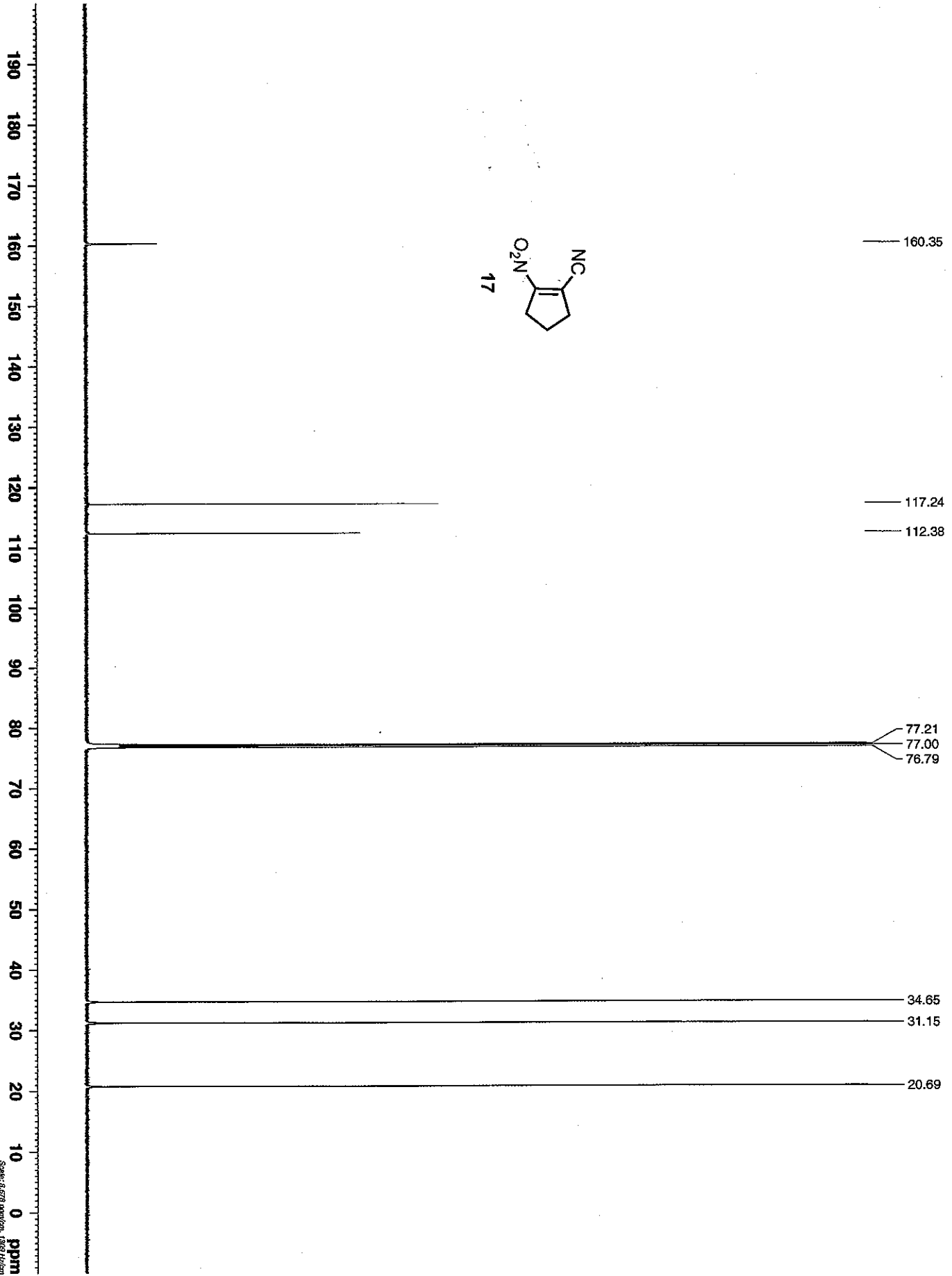
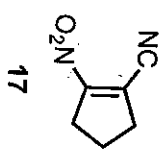


- 7.2600
- 6.6877
- 6.6852
- 6.6709
- 6.6684
- 6.1447
- 6.1410
- 6.1402
- 6.1279
- 6.1243
- 2.8088
- 2.7810
- 2.4205
- 2.4029
- 2.3978
- 2.3928
- 2.3815
- 2.3763
- 2.3730
- 2.3680
- 2.0470
- 2.0248
- 1.9826
- 1.9774
- 1.9705
- 1.9597
- 1.9547
- 1.9477
- 1.9431
- 1.9415
- 1.8346
- 1.8300
- 1.8279
- 1.8258
- 1.8234
- 1.8179
- 1.8156
- 1.8109
- 1.8063
- 1.8042
- 1.7997
- 1.7815
- 1.7752
- 1.7688
- 1.7598
- 1.7535
- 1.7473
- 1.7376
- 1.7362
- 1.7315
- 1.7302
- 1.7254
- 1.7142
- 1.7080
- 1.7019
- 1.6859
- 1.6801
- 1.6639
- 1.6579
- 1.6420
- 1.6350
- 1.6290



Scale: 6.679 ppp/cm, 1000 Hz/cm

* Kimw12 AS1_3.276 (1 1) CDCl3 24.0C November_12.2008_21:18 Bruker AVII+ 600MHz RRL1326: zpp930 : 13C 110.000 ppm; 1H 4.500 ppm *

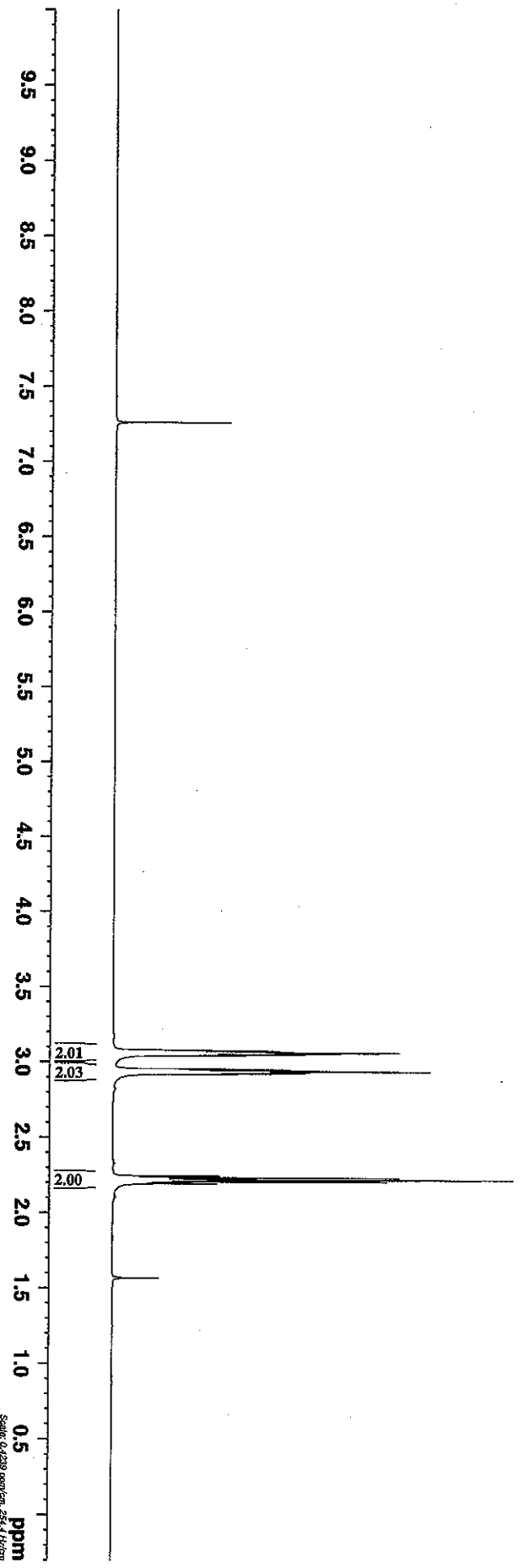
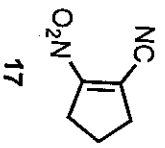


Scale: 0.578 ppm/cm, 1329 Hz/cm

* kimw12 AS1_3_275 (10 1) CDCI3 24.0C November_12,2008_21:00 Bruker AVII+ 600MHz RRL1326: zg30 : 1H 7.500 ppm *

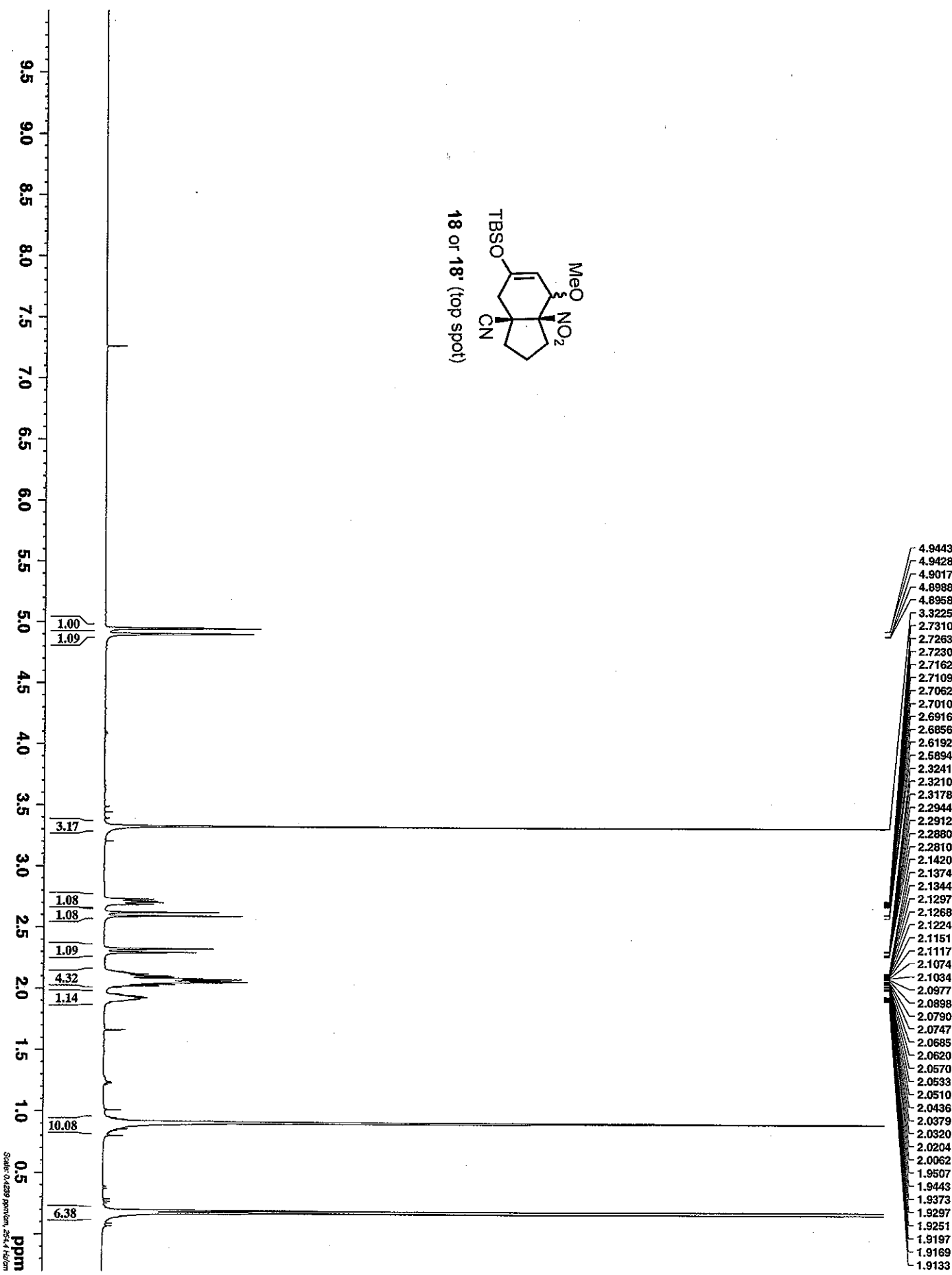
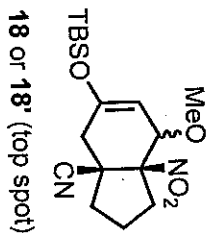
7.4314
7.2799
7.2596
7.0827

3.1930
3.1877
3.1797
3.1745
3.1695
3.1614
3.1561
3.1108
3.0808
3.0758
3.0702
3.0679
3.0626
3.0575
3.0547
3.0494
3.0441
2.9580
2.9506
2.9434
2.9381
2.9330
2.9306
2.9250
2.9199
2.8402
2.8348
2.8277
2.8223
2.8168
2.8090
2.8041
2.7669
2.7548
2.7431
2.3550
2.3417
2.3290
2.3158
2.3030
2.2851
2.2733
2.2692
2.2448
2.2416
2.2316
2.2187
2.2056
2.1965
2.1928
2.1523
2.1302
2.1218
2.1171
2.1043
2.0912
2.0783

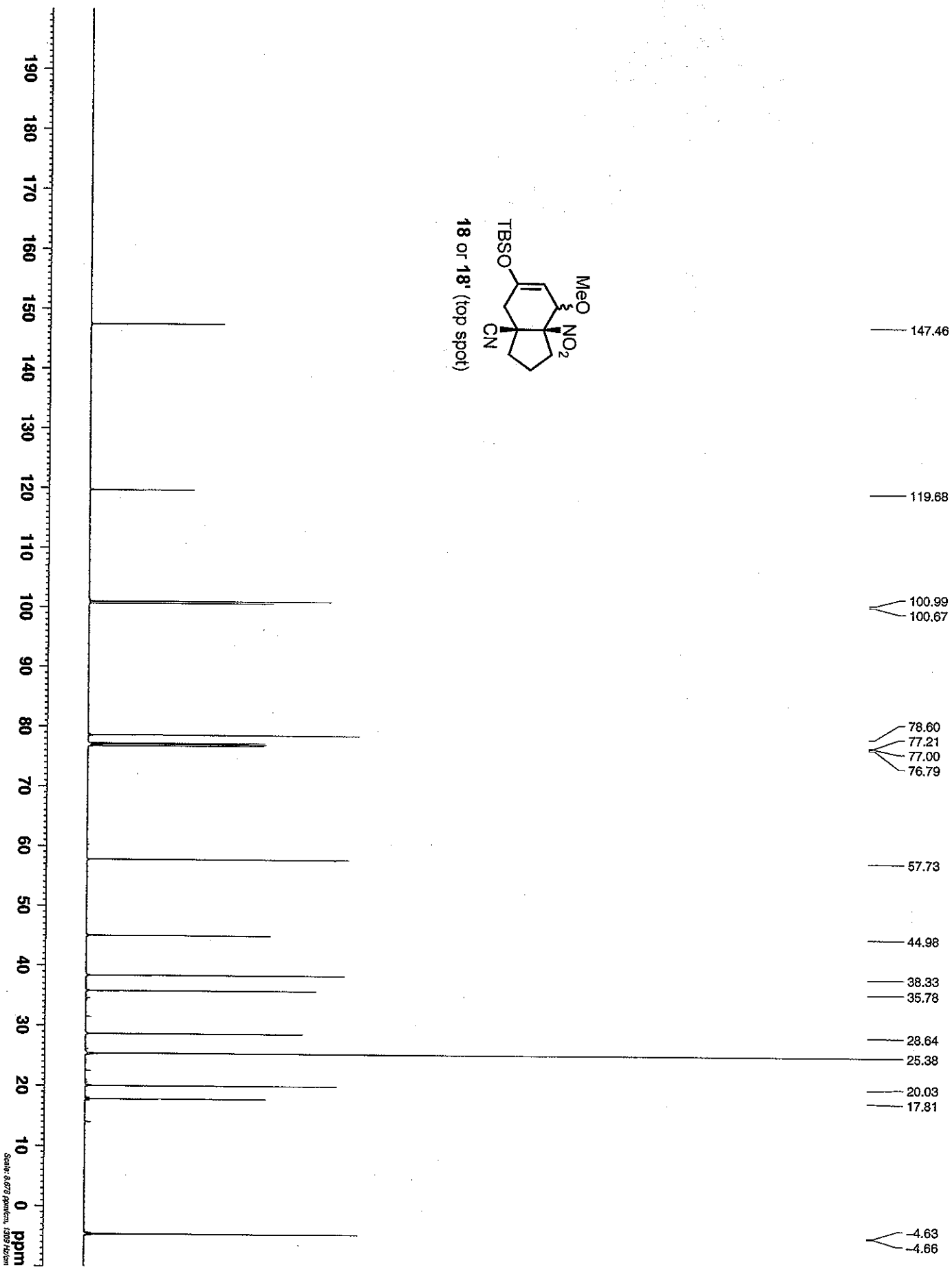
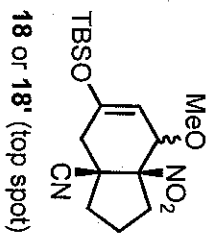


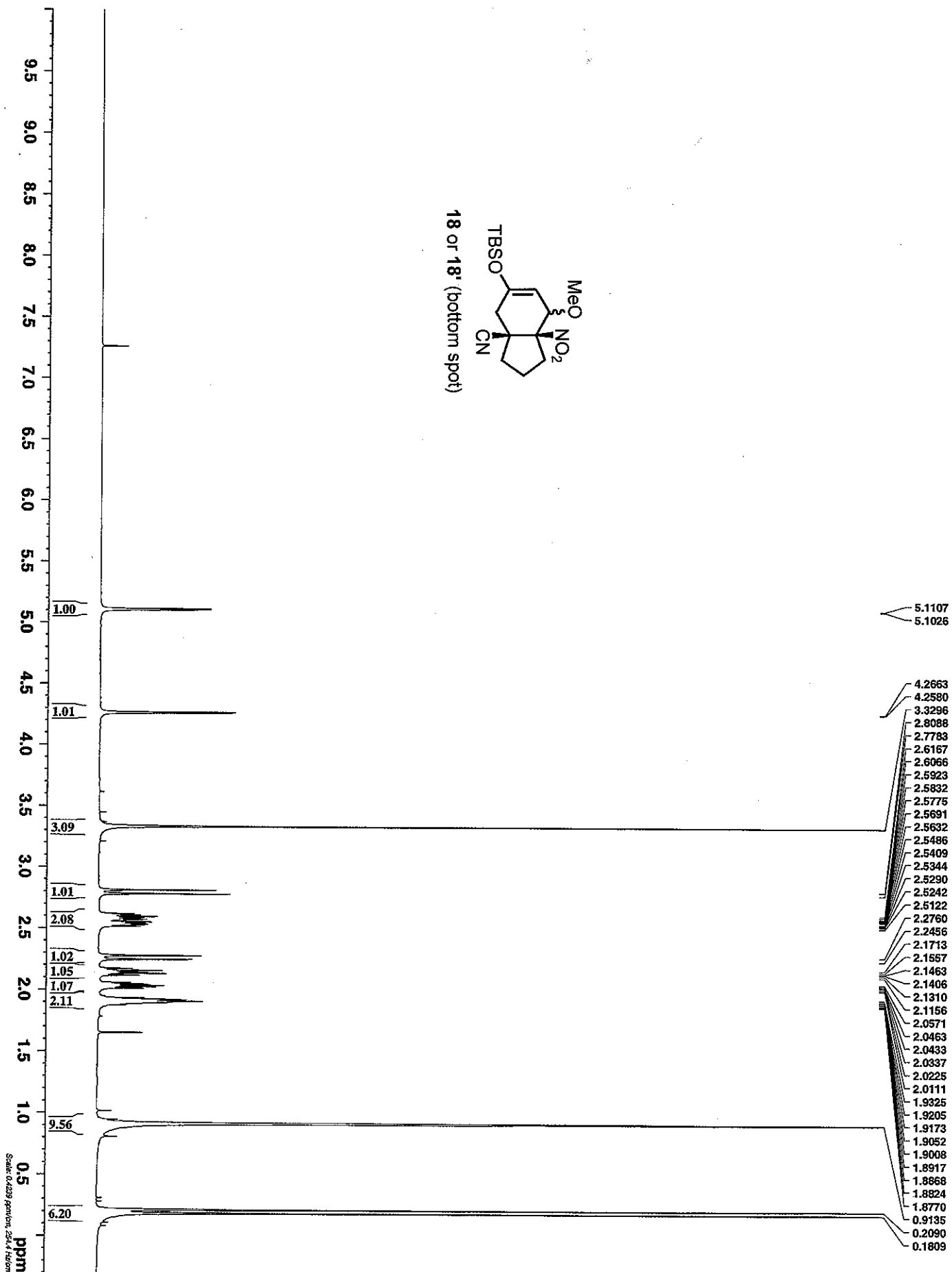
Scale: 0.4239 ppm/cm, 25k, 4 Hz/cm

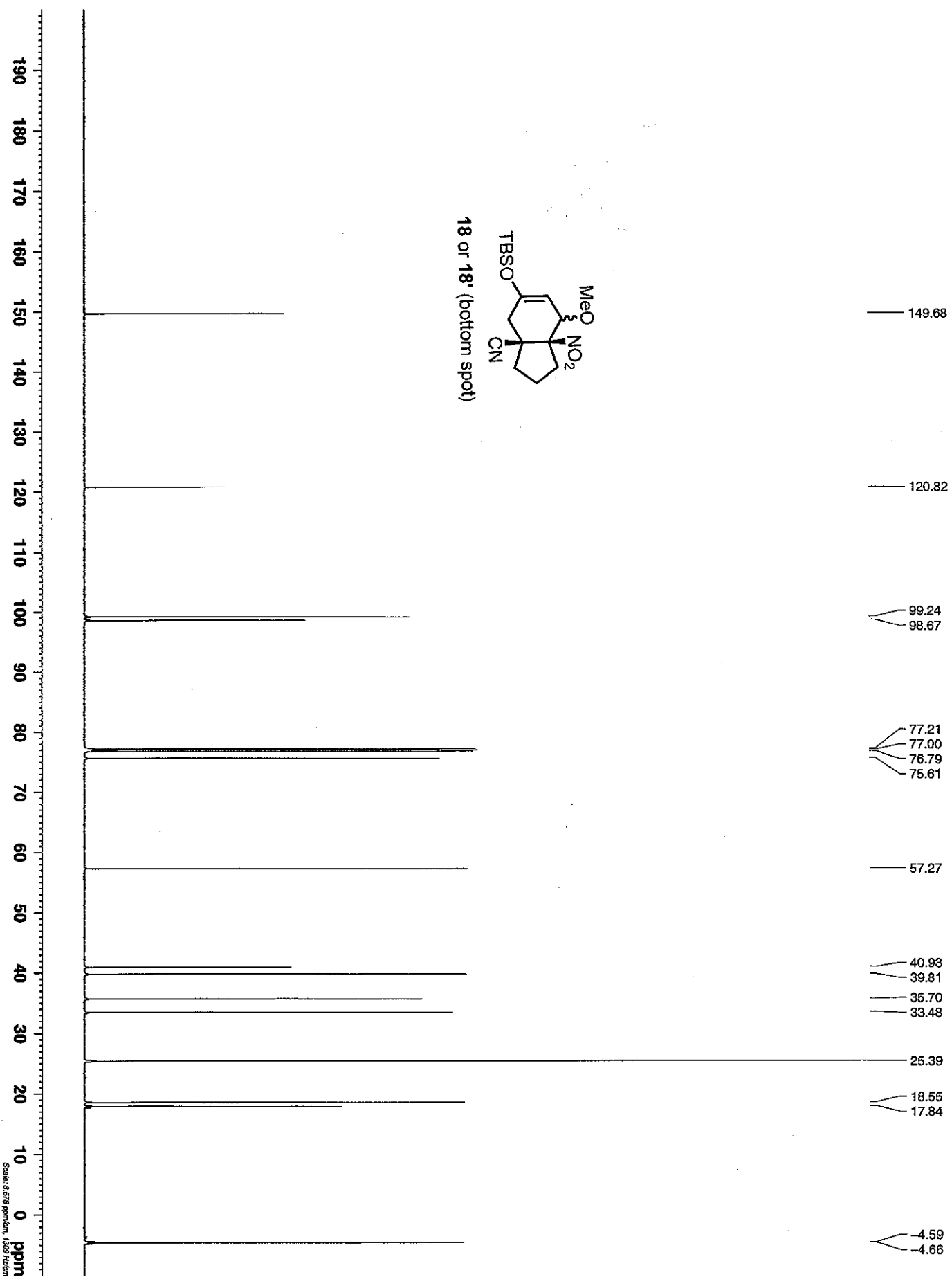
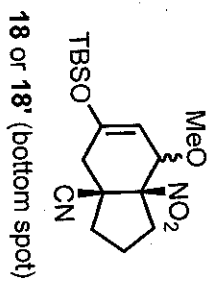
* kimw12 AS1_3_277_TOP (10 1) CDC13 24.0C November_13_2008_16:01 Bruker AVII+ 600MHz RRL 1326: zg30 : 1H 7.500 ppm *



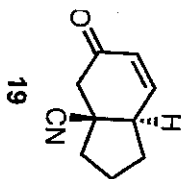
Scale: 0.4289 ppm/cm, 254.4 Hz/cm







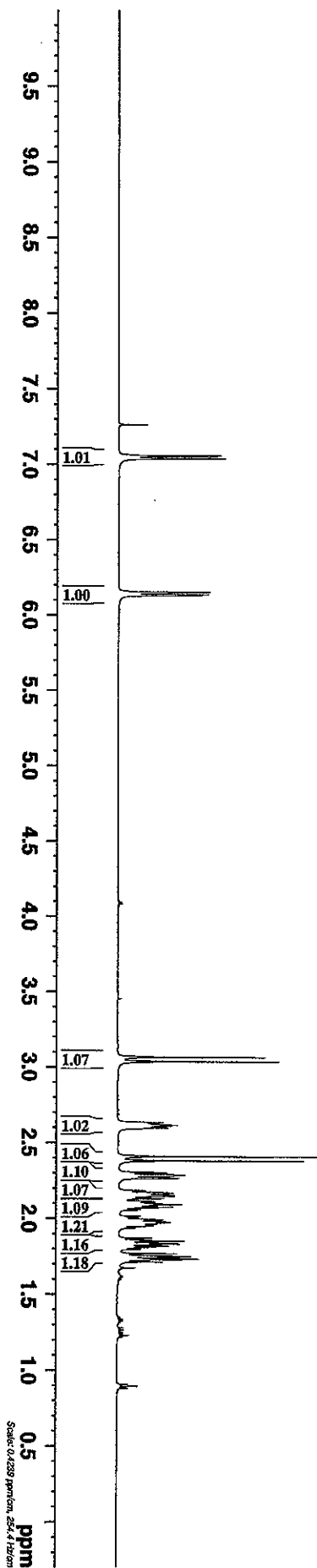
* kinw12 AS1_3_281_Hydrolyzed_Major (10 1) CDCl3 24.0C November_17_2008_15:50 Bruker AVIII+ 600MHz RRL1326: z930 : 1H 7.500 ppm *



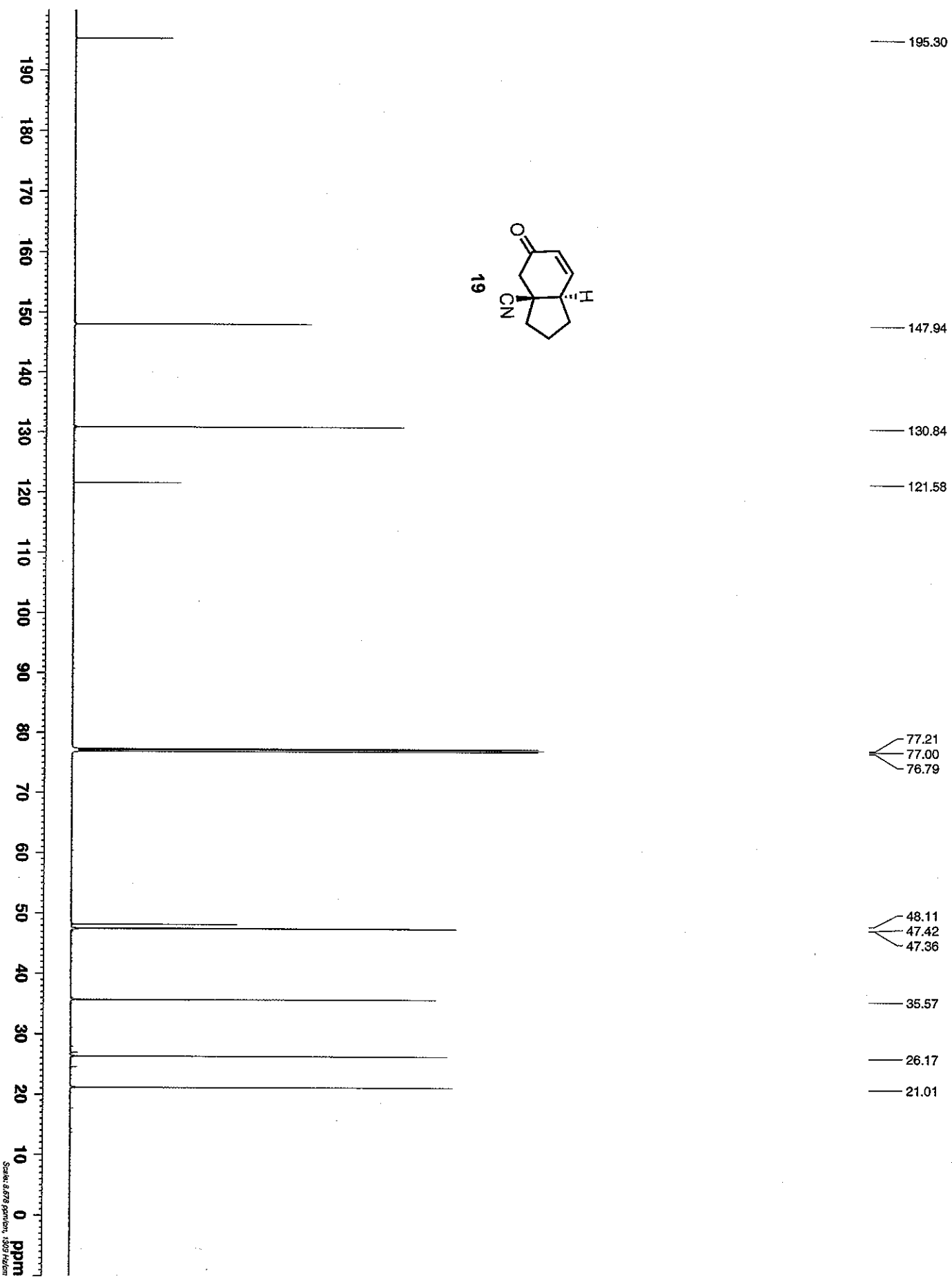
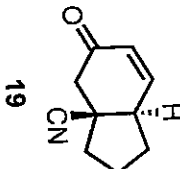
7.2600
7.0518
7.0497
7.0352
7.0331

6.1487
6.1440
6.1321
6.1274

3.0604
3.0325
2.6322
2.6280
2.6240
2.6201
2.6157
2.6113
2.6066
2.6025
2.5986
2.5944
2.5904
2.4048
2.3769
2.3001
2.2975
2.2855
2.2823
2.2761
2.2643
2.2620
2.1827
2.1783
2.1668
2.1626
2.1564
2.1502
2.1460
2.1425
2.1344
2.1297
2.1239
2.1138
2.1097
2.1056
2.1000
2.0954
2.0909
2.0857
2.0823
2.0762
2.0723
2.0681
2.0579
2.0534
2.0123
2.0057
1.9931
1.9885
1.9847
1.9783
1.9748
1.9725
1.9702
1.9668
1.9656
1.9608
1.9568

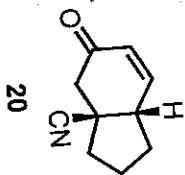


* Klmw12 AS1_3_281_MAJOR_AGAIN (11 1) CDCl3 24.0C December_30,2009_18:41:08 Bruker AVIII 600MHz RRL1326: zpgg30 : 13C 110,000 ppm: 1H 4,500 ppm *

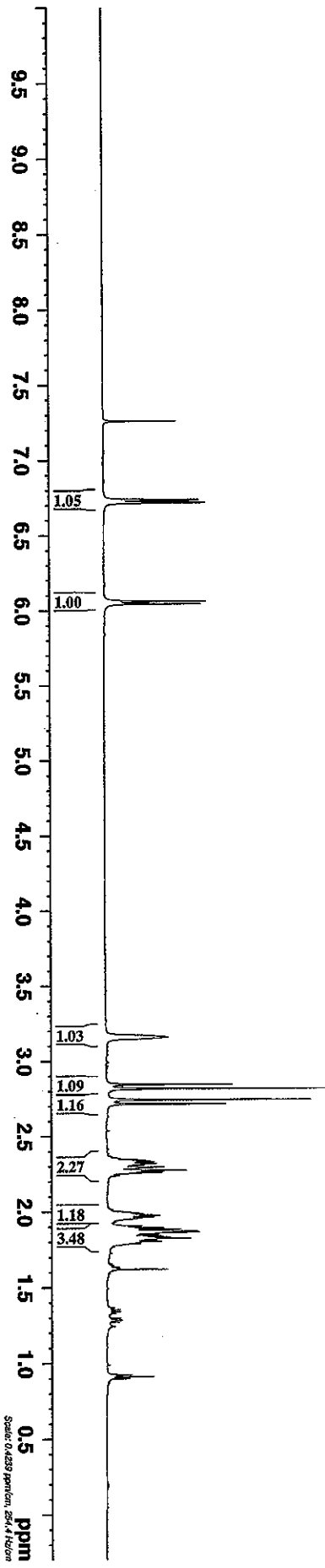


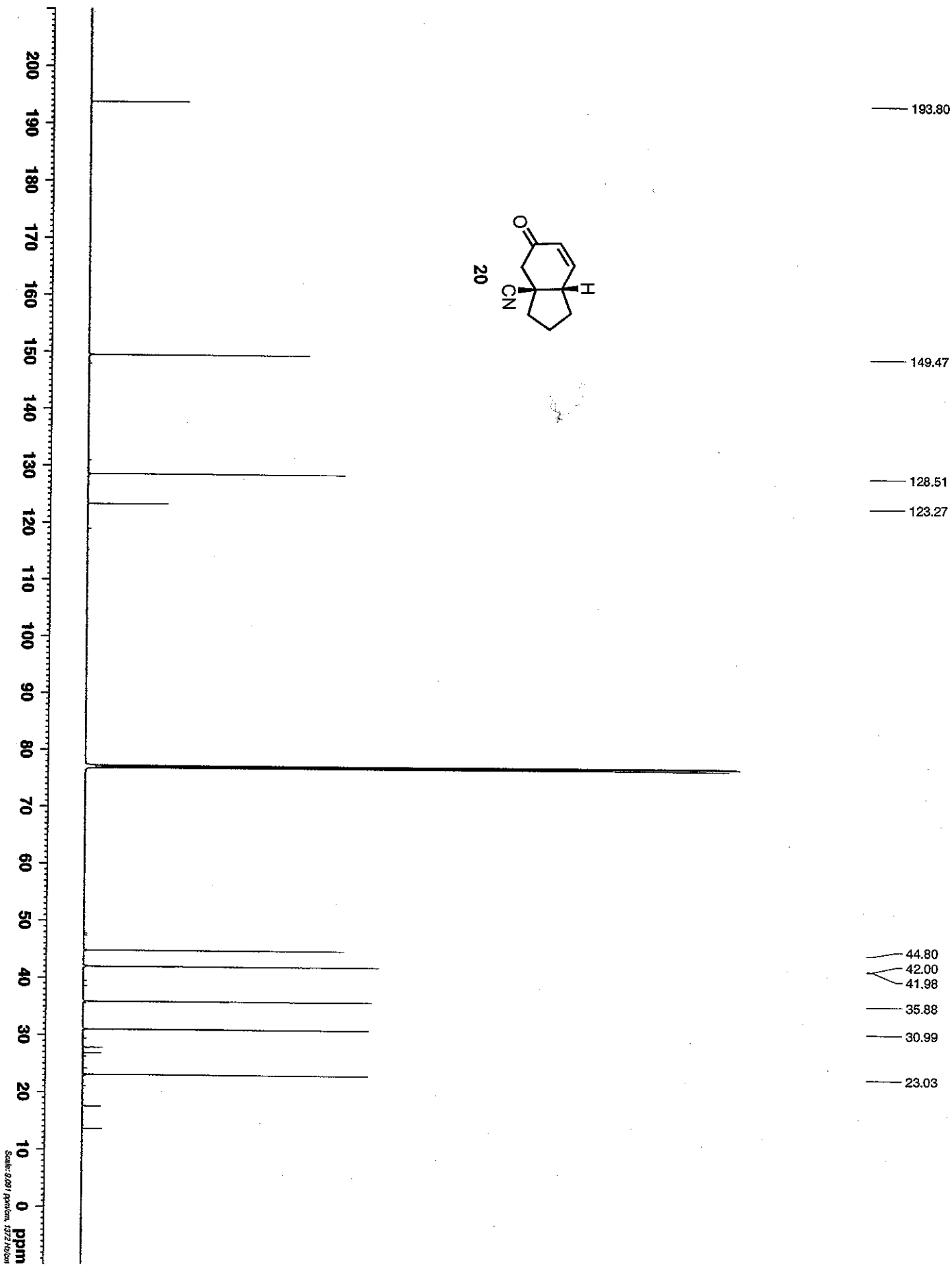
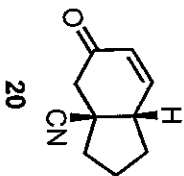
Scale: 0.678 ppm/cm, 1000 Hz/cm

* kimw12 AS1_3_281_Hydrolyzed_mihor (10^-1) CDCl3 24.0C November_17,2008_18:39 Bruker AVII+ 600MHz RRL1326: zg30 : 1H 7.500 ppm *



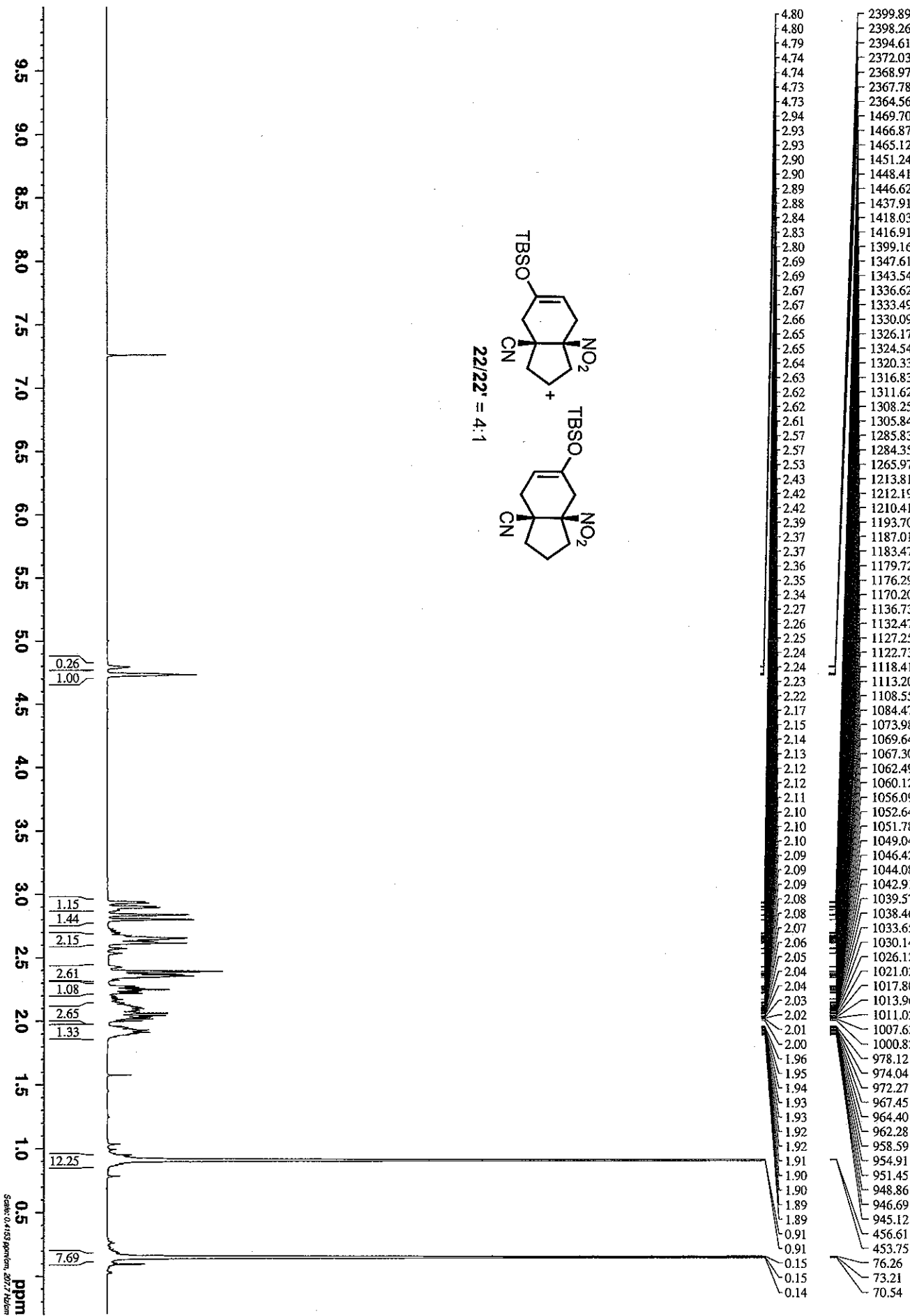
- 7.2597
- 6.7387
- 6.7325
- 6.7215
- 6.7153
- 6.0618
- 6.0586
- 6.0447
- 6.0414
- 3.1735
- 3.1646
- 3.1595
- 3.1558
- 3.1519
- 3.1427
- 2.8419
- 2.8142
- 2.7402
- 2.7125
- 2.3500
- 2.3436
- 2.3387
- 2.3355
- 2.3324
- 2.3293
- 2.3249
- 2.3171
- 2.3145
- 2.3081
- 2.3030
- 2.2931
- 2.2858
- 2.2707
- 2.2636
- 2.2568
- 2.2538
- 2.2503
- 2.2393
- 2.2371
- 1.9991
- 1.9944
- 1.9913
- 1.9873
- 1.9833
- 1.9787
- 1.9750
- 1.9720
- 1.9639
- 1.9576
- 1.9553
- 1.9480
- 1.9321
- 1.9296
- 1.9070
- 1.8972
- 1.8916
- 1.8835
- 1.8739
- 1.8690
- 1.8642
- 1.8567
- 1.8487





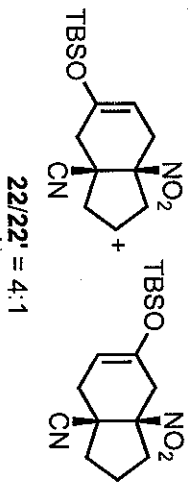


* kinrw12 AS1_3_293_Major (1) CDCl3 24.0C November_25_2008_21:19 DRX 500MHz zg30 1H *



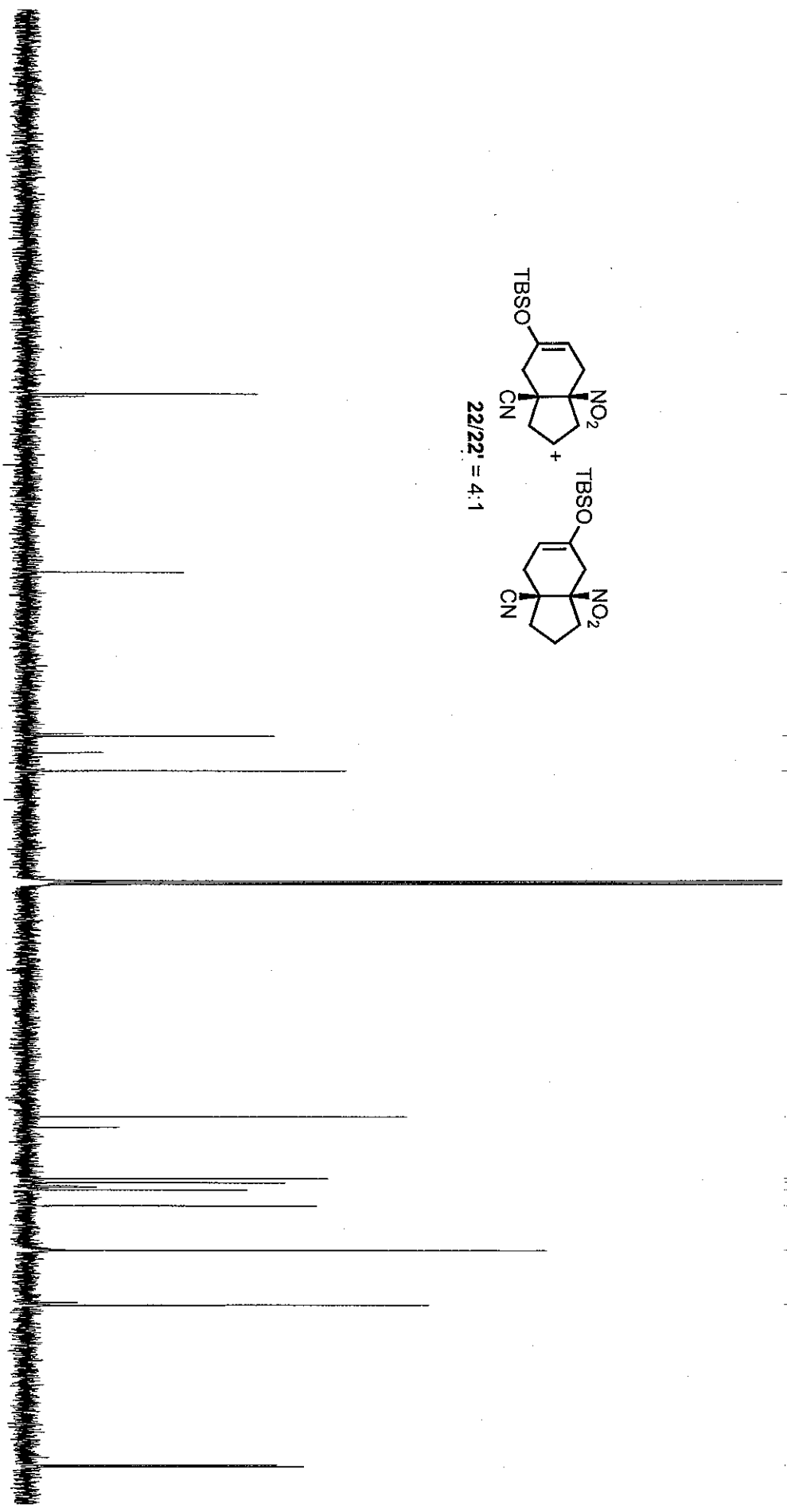
Scale: 0.4153 ppm/cm, 207.7 Hz/cm

Carbon * kimw12 AS1_3_293 MAJOR_13C (1 1) MeOD 24.0C November_25,2008_21:26 DRX 500MHz zgpg30 13C; 1H O2=4.000 *



18358.20	145.98
15185.96	120.76
12277.34	97.63
11661.92	92.73
5550.08	44.13
4461.38	35.48
4391.60	34.92
4262.38	33.89
3985.99	31.70
3203.74	25.48
2346.02	17.86
2235.74	17.78
-564.13	-4.49
-594.83	-4.73

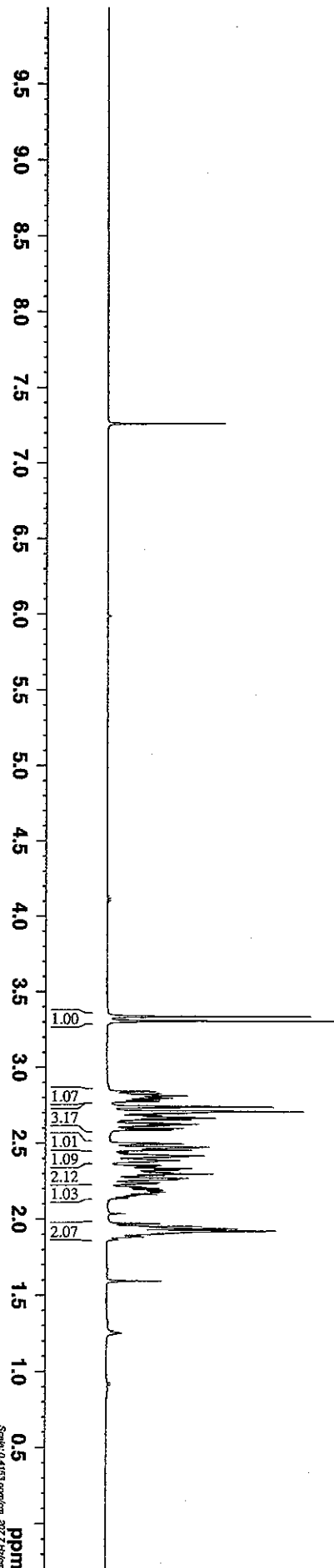
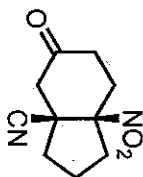
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 ppm



Scale: 8.488 ppm/cm, 1000 Hz/cm

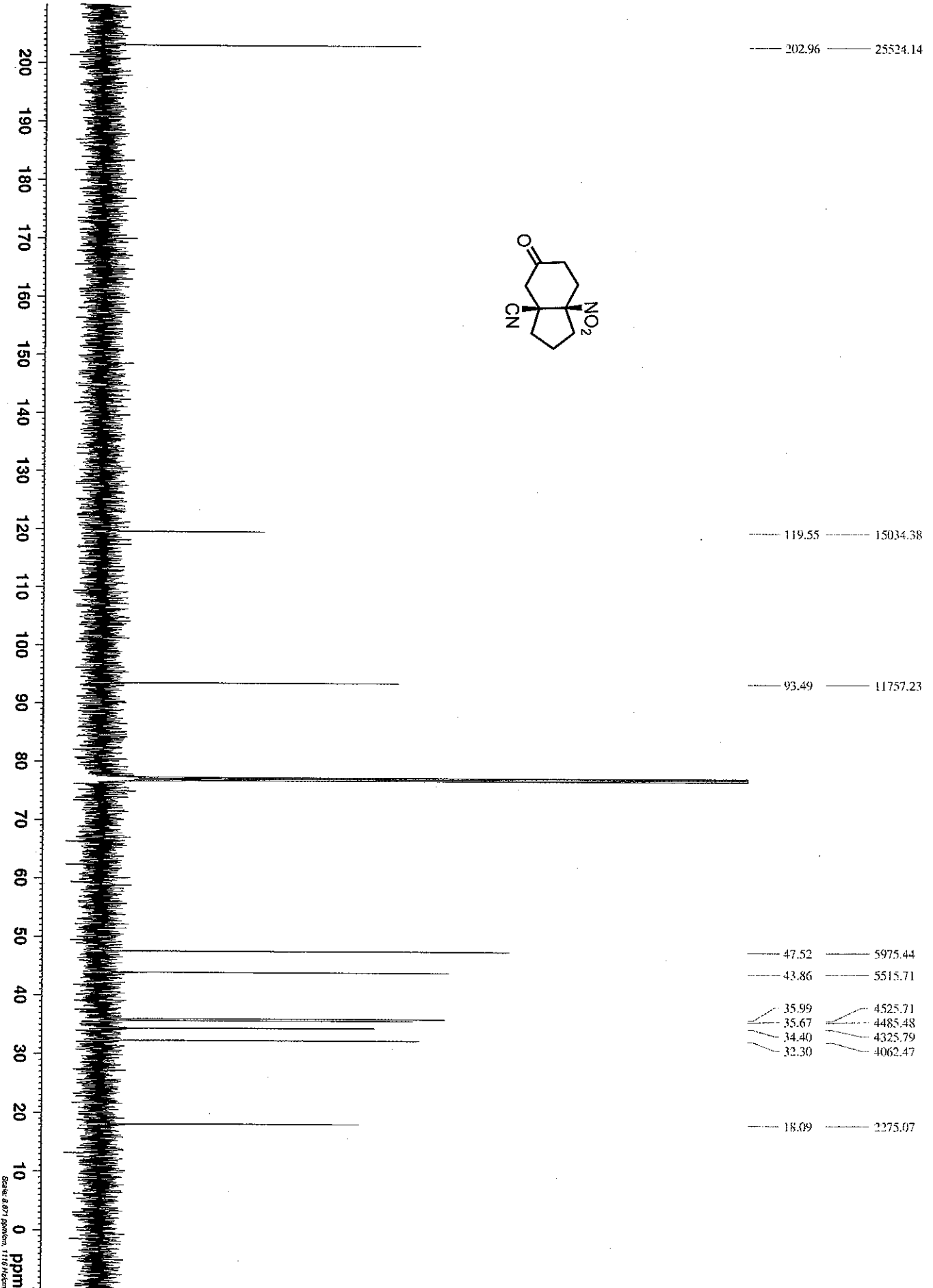
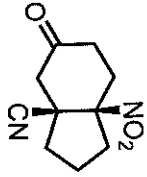


* Kimw12 AS1_3_303_MAJOR (1 1) CDC13 24.0C November_29_2008_18:28 DRX 500MHz zg30 1H *

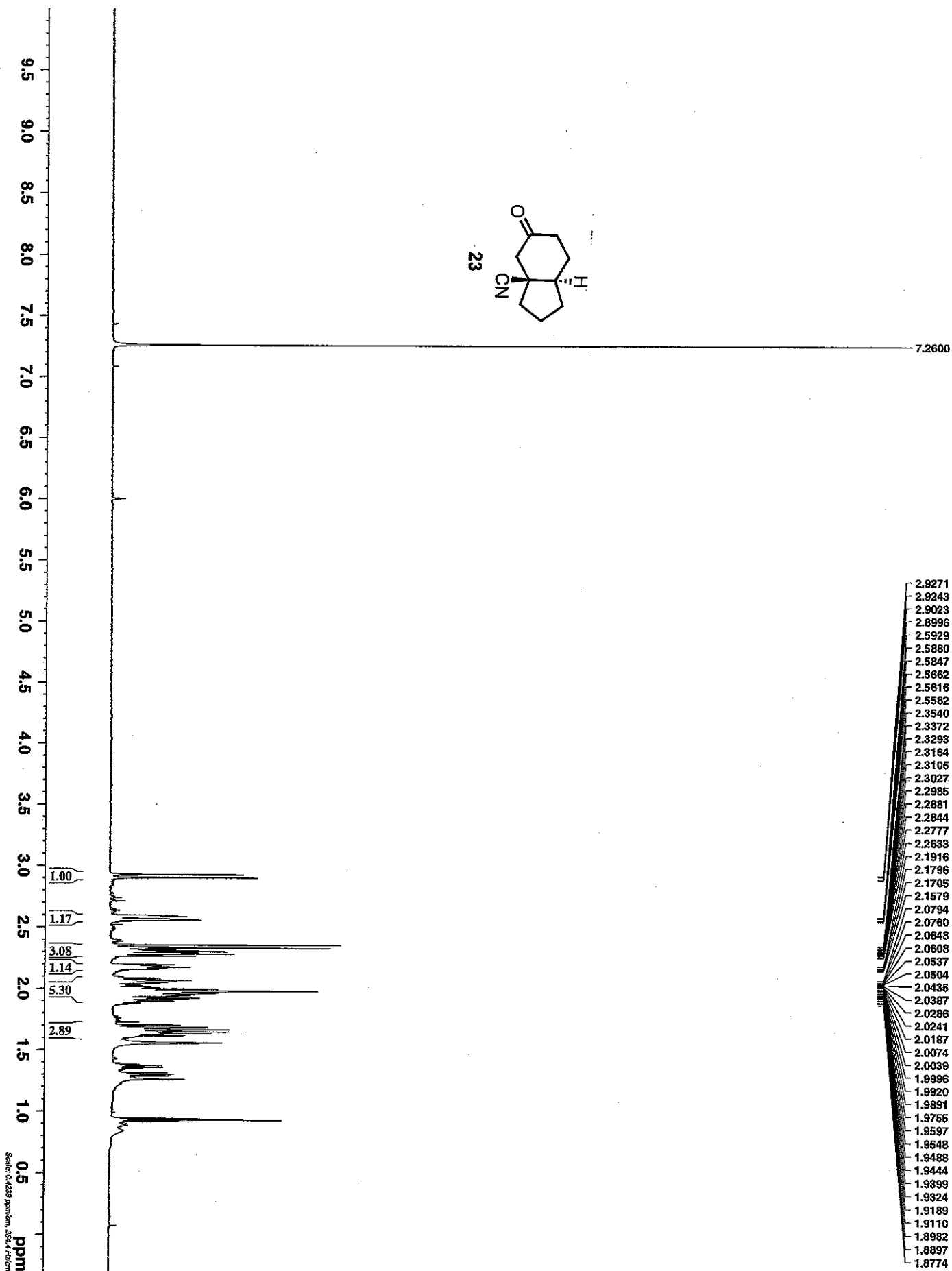
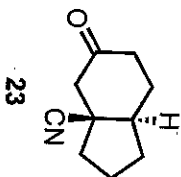


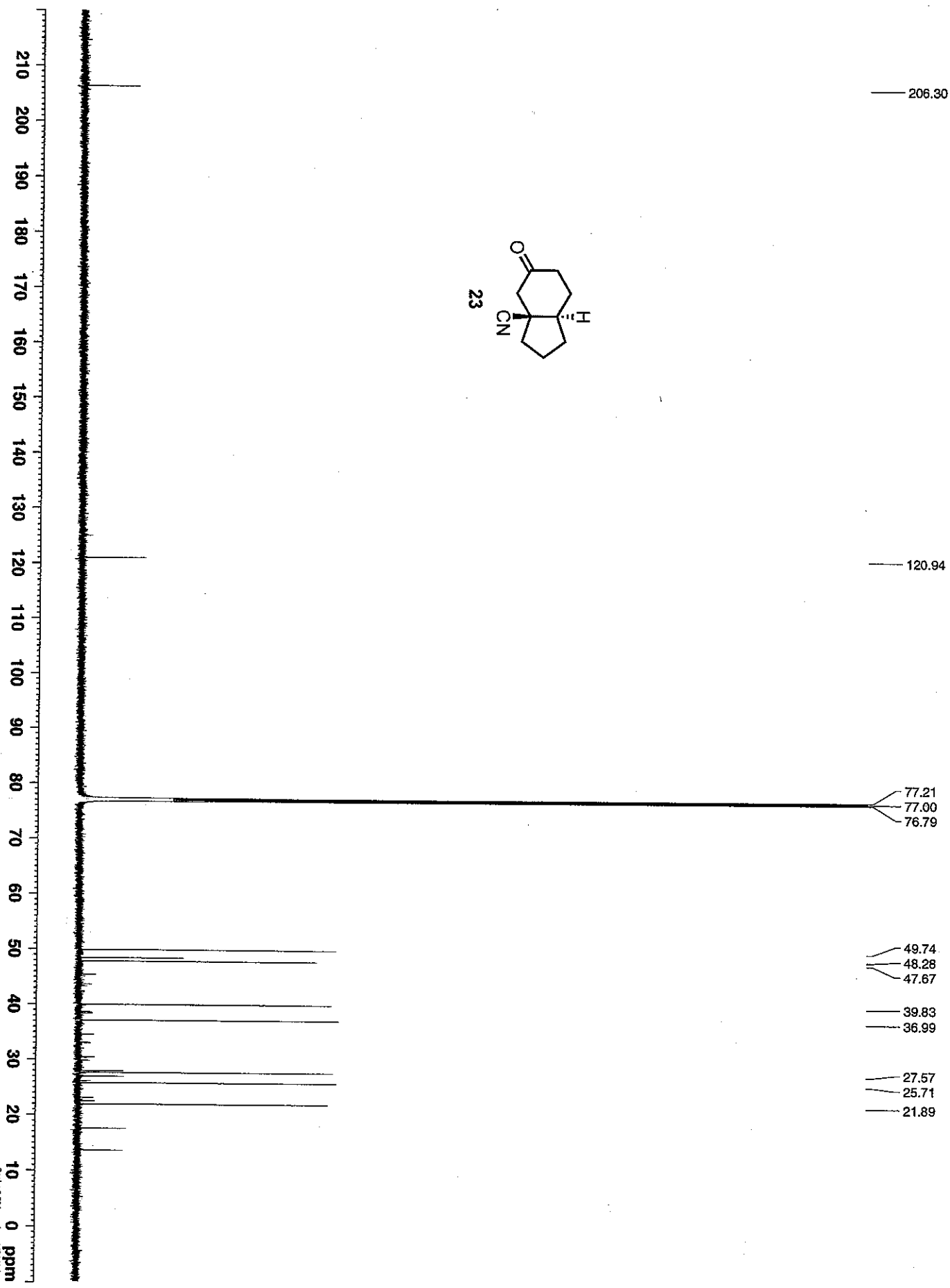
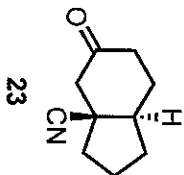
Chemical Shift (ppm)	Integration
3.34	1668.42
3.31	1652.92
2.84	1420.86
2.83	1413.62
2.82	1409.08
2.81	1406.37
2.80	1402.35
2.80	1399.63
2.79	1394.60
2.78	1388.38
2.74	1369.91
2.71	1355.63
2.71	1354.09
2.70	1351.49
2.69	1347.77
2.68	1341.69
2.68	1338.81
2.67	1335.88
2.67	1332.96
2.66	1328.08
2.64	1322.22
2.63	1315.22
2.63	1313.13
2.62	1309.42
2.61	1307.37
2.60	1299.73
2.59	1293.92
2.50	1249.95
2.49	1247.76
2.48	1238.29
2.47	1236.88
2.47	1234.44
2.46	1231.29
2.45	1227.55
2.44	1218.92
2.42	1212.72
2.42	1208.50
2.41	1205.47
2.41	1203.81
2.39	1197.72
2.39	1196.04
2.39	1194.86
2.39	1193.26
2.38	1191.82
2.38	1189.93
2.38	1188.23
2.35	1176.10
2.34	1172.15
2.33	1166.99
2.32	1162.43
2.32	1158.00
2.31	1156.41
2.31	1152.87
2.30	1149.06
2.29	1143.91
2.27	1135.55
2.27	1133.84
2.26	1131.24
2.26	1129.33
2.24	1120.38
2.23	1116.33
2.21	1106.88
2.21	1102.86

Carbon . * Kimw12 AS1_3_303_MAJOR_13C (1 1) MeOD 24.0C November_29,2008_18:33 DRX 500MHz zgpg30 13C; 1H O2=4.000 *



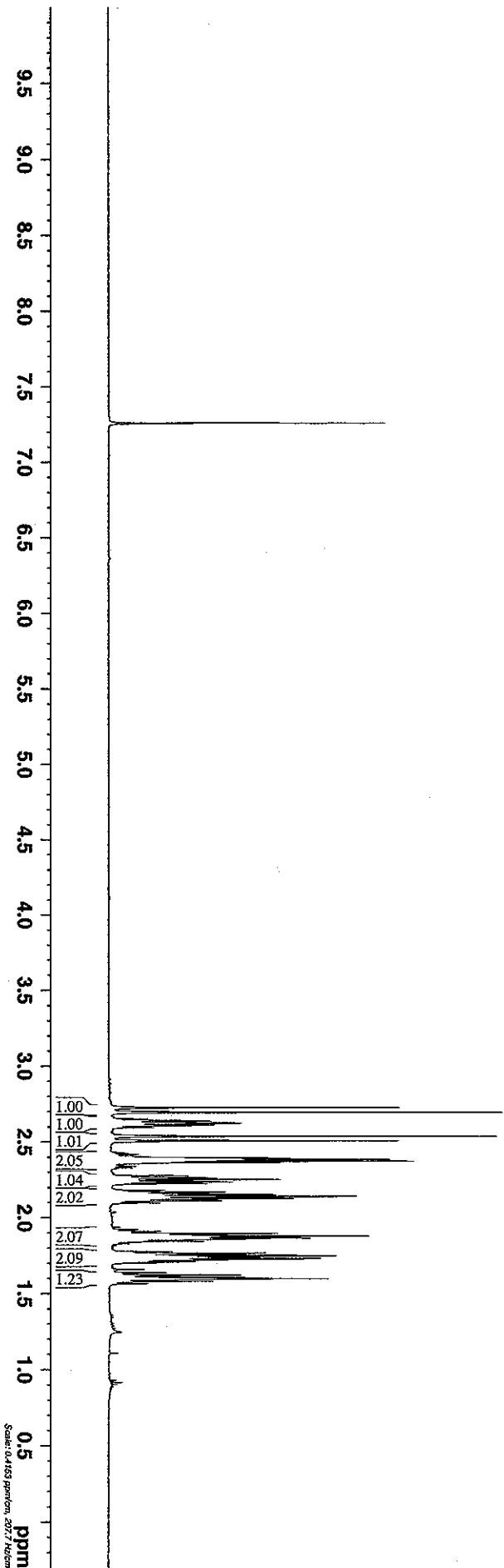
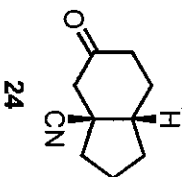
* kimw12 AS1_4_003_MINOR (10 1) CDC13 24.0C January_03,2010_19:42:25 Bruker AVIII 600MHz RRL1326: zg30 : 1H 7.500 ppm *





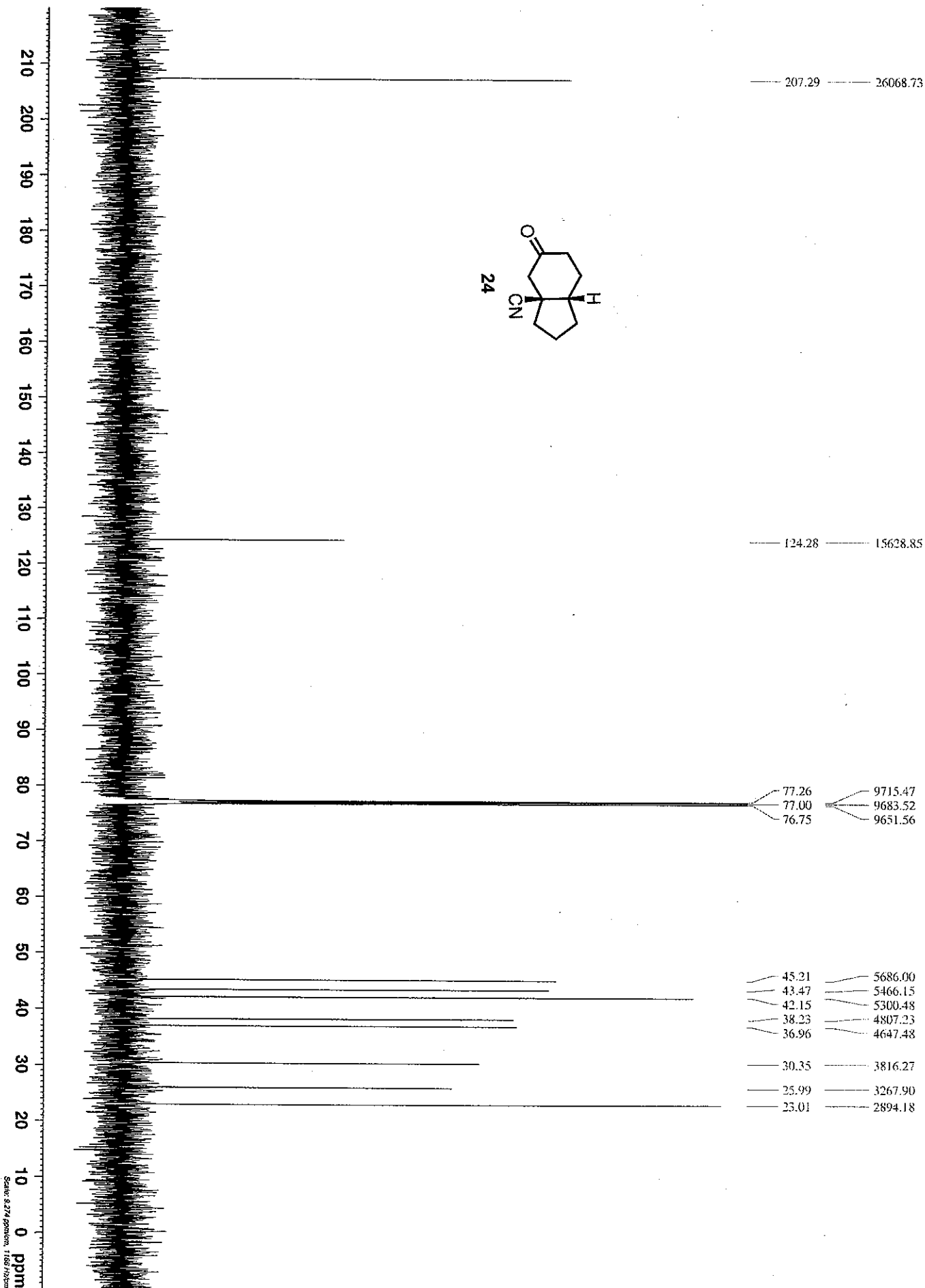
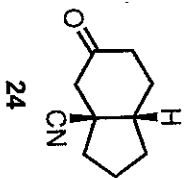


* kimw12 AS1_4_003_MAJOR (1) CDCl3 24.0C November_29_2008_23:41 DRX 500MHz zg30 1H *



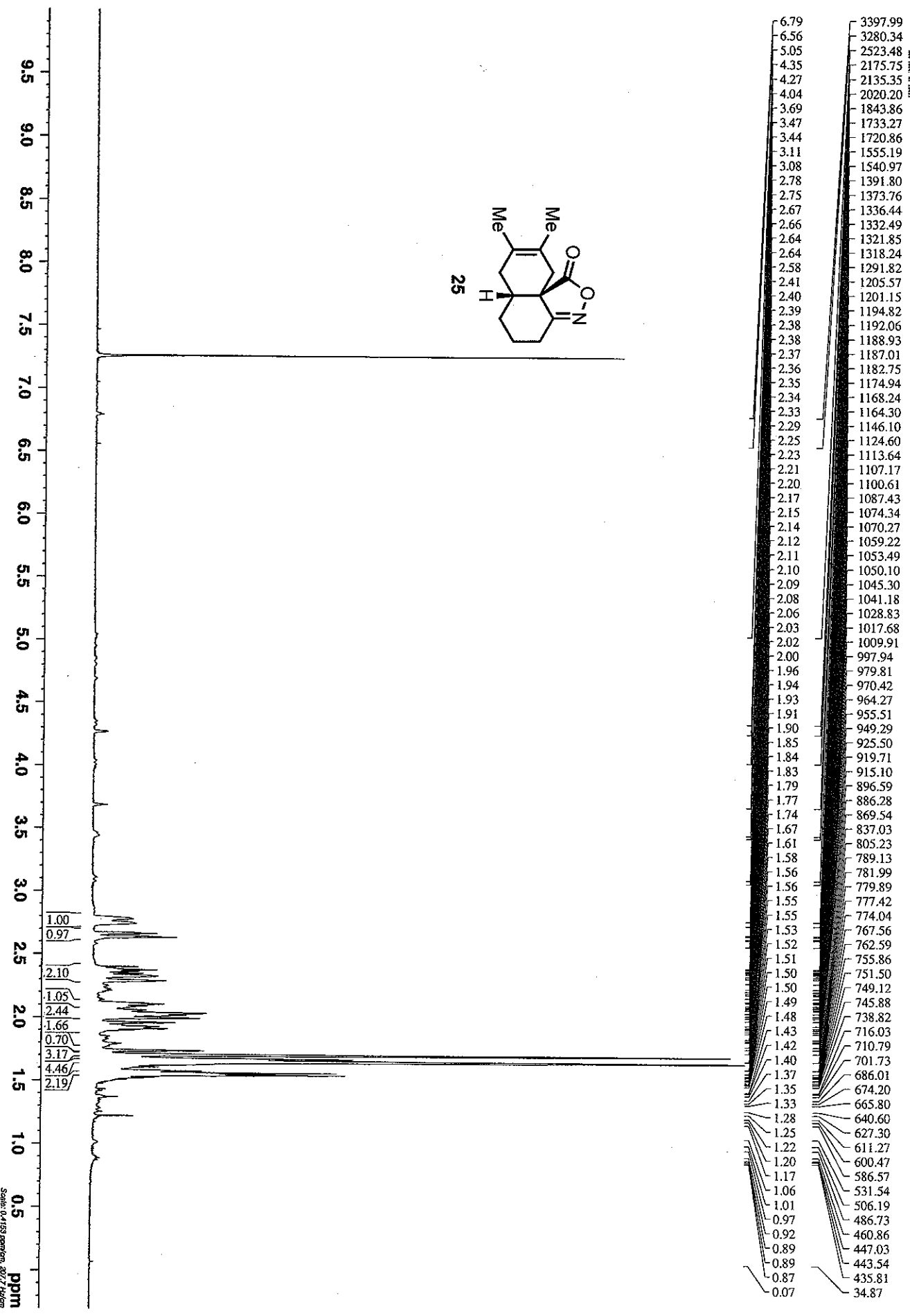
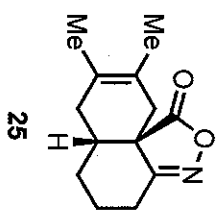
Chemical Shift (ppm)	Integration
7.26	3629.56
2.73	1363.27
2.70	1347.95
2.65	1326.65
2.64	1318.78
2.62	1312.07
2.61	1305.65
2.60	1297.92
2.54	1268.73
2.51	1253.41
2.42	1209.27
2.40	1202.38
2.40	1198.46
2.39	1195.16
2.38	1192.06
2.38	1189.87
2.37	1186.23
2.36	1181.26
2.34	1169.74
2.33	1164.50
2.28	1138.10
2.26	1132.62
2.26	1130.71
2.25	1125.07
2.23	1117.79
2.22	1111.99
2.18	1090.11
2.17	1084.51
2.17	1083.31
2.15	1077.61
2.15	1075.58
2.14	1072.08
2.14	1069.97
2.13	1063.30
2.12	1062.50
2.11	1056.43
2.11	1054.82
2.10	1048.56
1.92	960.09
1.91	954.37
1.90	952.30
1.89	946.69
1.88	942.51
1.88	938.86
1.87	936.65
1.87	934.78
1.86	931.10
1.86	929.06
1.85	927.07
1.85	923.30
1.84	921.48
1.83	913.60
1.77	887.40
1.76	882.28

Carbon . * kimw12 AS1_4_003_MAJOR_13C (1 1) MeOD 24.0C November_29,2008_23:47 DRX 500MHz zgpg30 13C; 1H O2=4.000 *

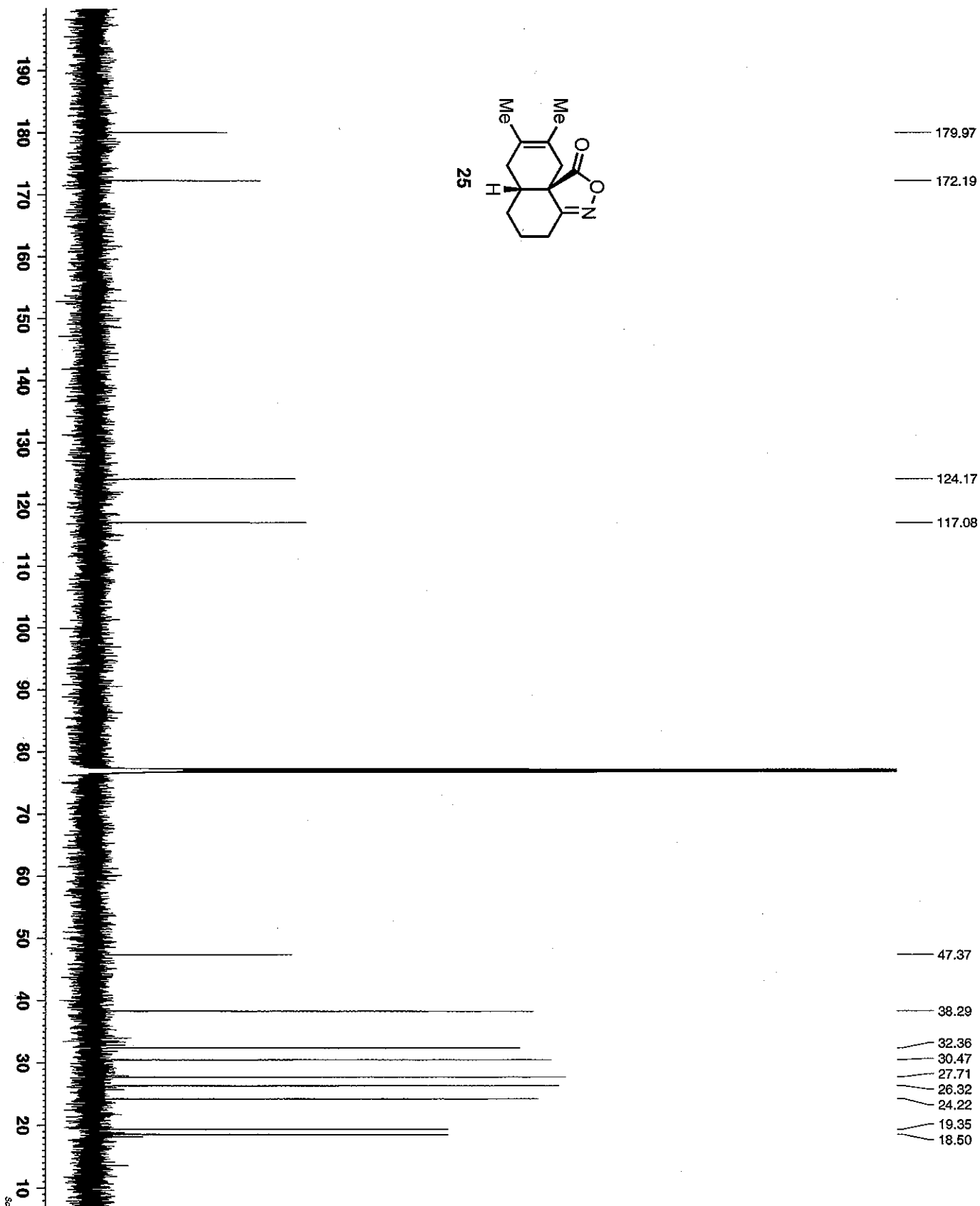
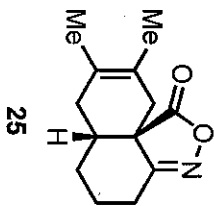




* kinw12 AS1_3_245_RIGHTABOVE (1) CDCl3 24.0C October_18,2008_18:29 DRX 500MHZ zg30 1H *



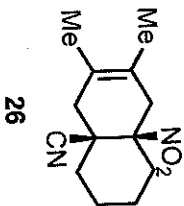
Scale: 0.4183 ppm/cm, 2077 Hz/cm



```

NAME          L7HCl-Exp144_1
EXPNO         2
PROCNO        1
Date_         20091208
Time          22.12
INSTRUM       spect
PROBHD        5 mm Multinucl
PULPROG       zg
TD            32768
SOLVENT       D2O
NS            12
DS            0
SWH           5995.204 Hz
FIDRES       0.182959 Hz
AQ           2.7329011 sec
RG           90.5
DE           83.400 usec
TE           6.00 usec
D1           333.1 K
D0           1.00000000 sec
TDO          1
===== CHANNEL f1 =====
NUC1          1H
P1           2.50 usec
Pl1          0.00 dB
SFO1         399.9225995 MHz
SI           32768
SF           399.9200098 MHz
WDW          EM
SSB          0
LB           0.20 Hz
GB           0
PC           1.00

```



7.260

2.875
2.830
2.779
2.732
2.621
2.574
2.318
2.307
2.292
2.282
2.273
2.257
2.246
2.240
2.100
2.088
2.075
2.066
2.054
2.040
2.024
1.863
1.852
1.837
1.828
1.806
1.800
1.774
1.764
1.750
1.741
1.727
1.716
1.704
1.693
1.645
1.616



1.000
1.042
1.061
2.147
2.220
12.012

NAME L7HCl-Exp144.1

EXPNO 13

PROCNO 1

Date_ 20091208

Time 22.23

INSTRUM 5 mm Multinuc1

PROBHD spect

PULPROG zgpg30

TD 30902

SOLVENT Aceton

NS 1500

DS 0

SWH 22075.055 Hz

FIDRES 0.714357 Hz

AQ 0.6999803 sec

RG 16384

DM 22.650 usec

DE 6.00 usec

TE 333.1 K

D1 0.69999999 sec

d11 0.03000000 sec

DELTA 0.59999996 sec

TD0 1

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

NUC1 13C

P1 17.50 usec

PL1 -1.00 dB

SFO1 100.5699800 MHz

===== CHANNEL f2 =====

CPDPRG2 waltz16

NUC2 1H

PCPD2 96.25 usec

PL2 0.00 dB

PL12 23.00 dB

PL13 23.00 dB

SFO2 399.9215997 MHz

SI 65536

SF 100.5599529 MHz

MDW EM

SSB 0

LB 3.00 Hz

GB 0

PC 1.40

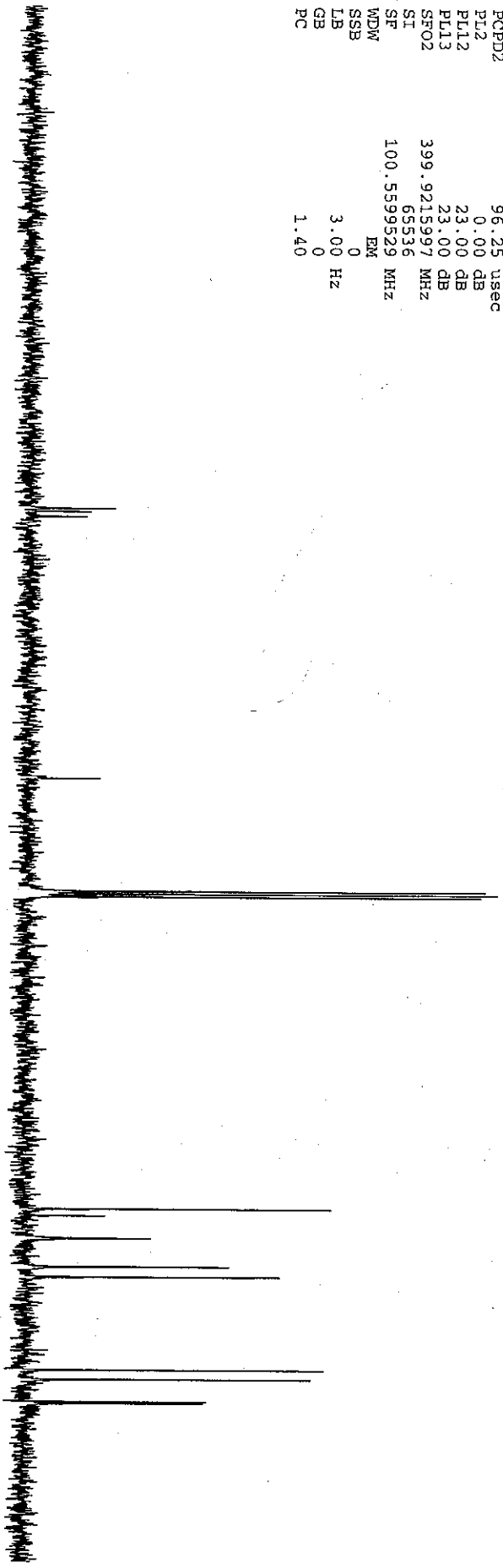
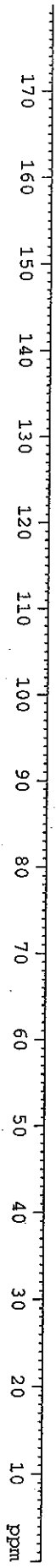
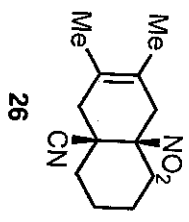
121.799
121.402
120.817

90.376

77.317
77.000
76.682

40.491
39.699
37.134
33.859
32.675

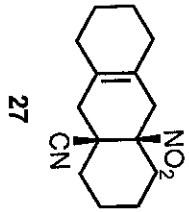
22.029
20.933
18.375
18.191



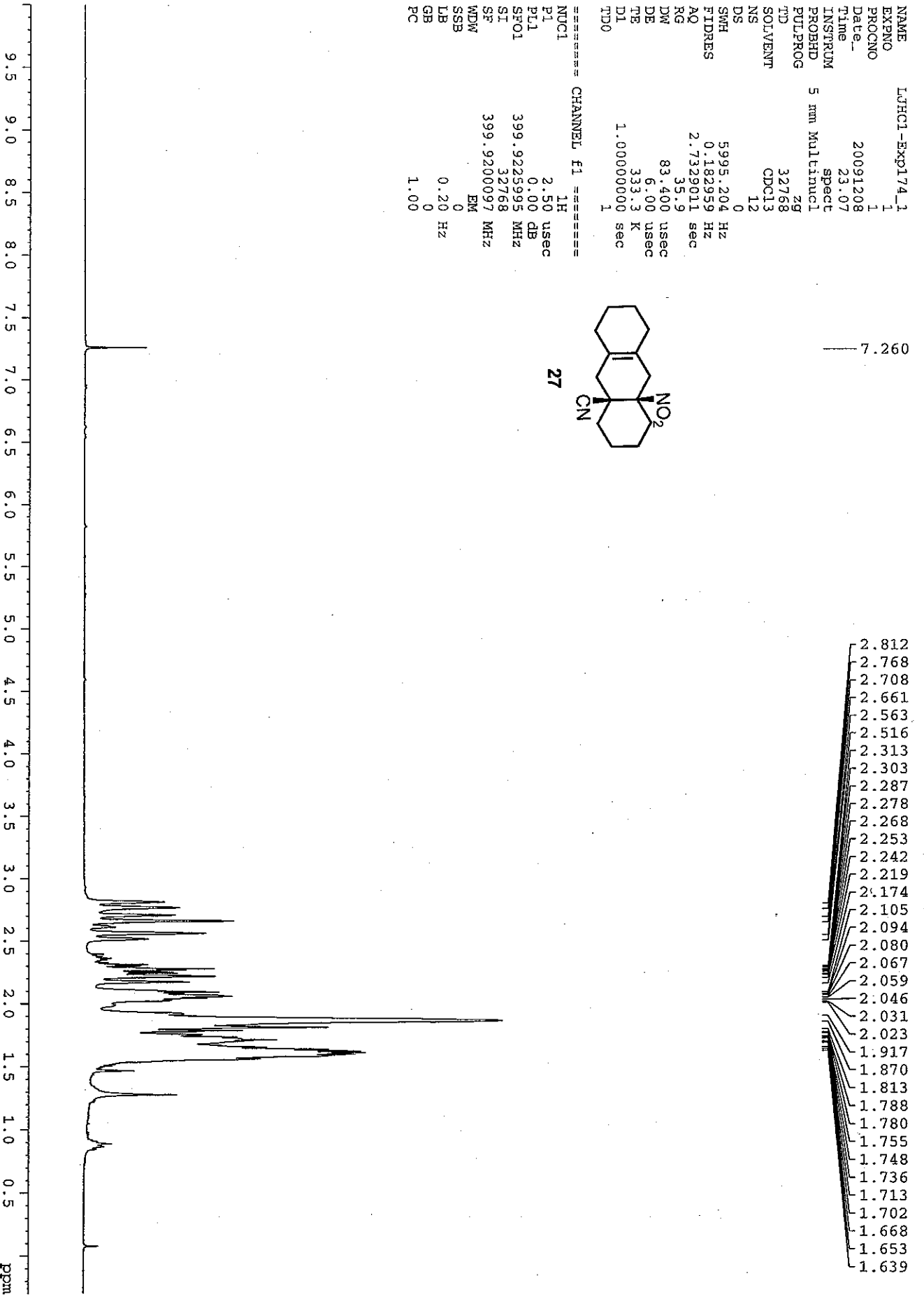
```

NAME          LJHCl-Exp174_1
EXPNO         1
PROCNO        1
Date_         20091208
Time          23.07
INSTRUM       spect
PROBHD        5 mm Multinucl
PULPROG       zg
TD            32768
SOLVENT       CDCl3
NS            12
DS            0
SWH           5995.204 Hz
FIDRES       0.182959 Hz
AQ           2.7329011 sec
RG           35.9
DM           83.400 usec
DE           6.00 usec
TE           333.3 K
D1           1.00000000 sec
TD0          1

===== CHANNEL f1 =====
NUC1          1H
P1           2.50 usec
PL1          0.00 dB
SFO1         399.9225995 MHz
SI           32768
SF           399.9200097 MHz
WDW          EM
SSB          0
LB           0.20 Hz
GB           0
PC           1.00
  
```



7.260



- 2.812
- 2.768
- 2.708
- 2.661
- 2.563
- 2.516
- 2.313
- 2.303
- 2.287
- 2.278
- 2.268
- 2.253
- 2.242
- 2.219
- 2.174
- 2.105
- 2.094
- 2.080
- 2.067
- 2.059
- 2.046
- 2.031
- 2.023
- 1.917
- 1.870
- 1.813
- 1.788
- 1.780
- 1.755
- 1.748
- 1.736
- 1.713
- 1.702
- 1.668
- 1.653
- 1.639

Current Data Parameters
 NAME LJHC1-Exp174_1
 EXPNO 14
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20091209
 Time 22.46

INSTRUM spect
 PROBD 5 mm Multinucl
 PULPROG zgpg30
 TD 30902
 SOLVENT CDCl3
 NS 7802
 DS 0
 SWH 22075.055 Hz
 FIDRES 0.714357 Hz
 AQ 0.6999803 sec
 RG 16384
 DW 22.650 usec
 DE 6.00 usec
 TE 333.2 K
 D1 0.699999999 sec
 d11 0.030000000 sec
 DELTA 0.599999996 sec
 TD0 1

==== CHANNEL F1 =====
 NUC1 13C
 P1 17.50 usec
 PL1 -1.00 dB
 SFO1 100.5699800 MHz

==== CHANNEL F2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 96.25 usec
 PL2 0.00 dB
 PL12 23.00 dB
 PL13 23.00 dB
 SFO2 399.9215997 MHz

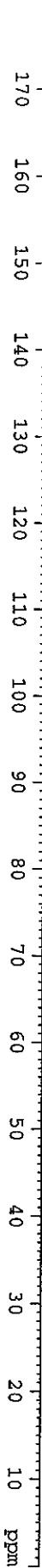
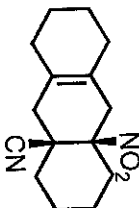
F2 - Processing parameters
 SI 65536
 SF 100.5599509 MHz
 WDW EM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40

124.165
 123.138
 121.492

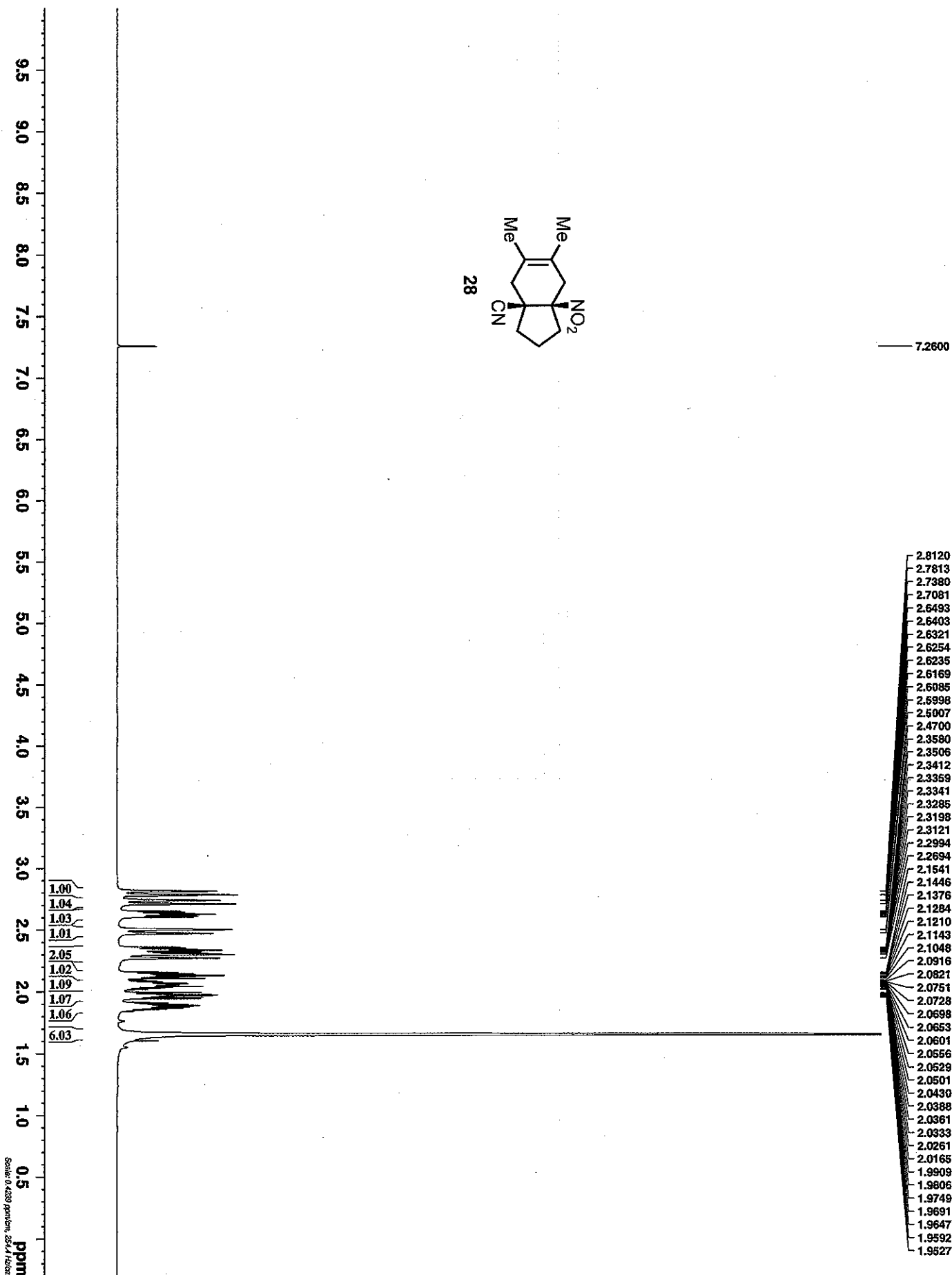
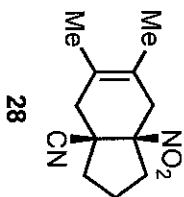
90.374

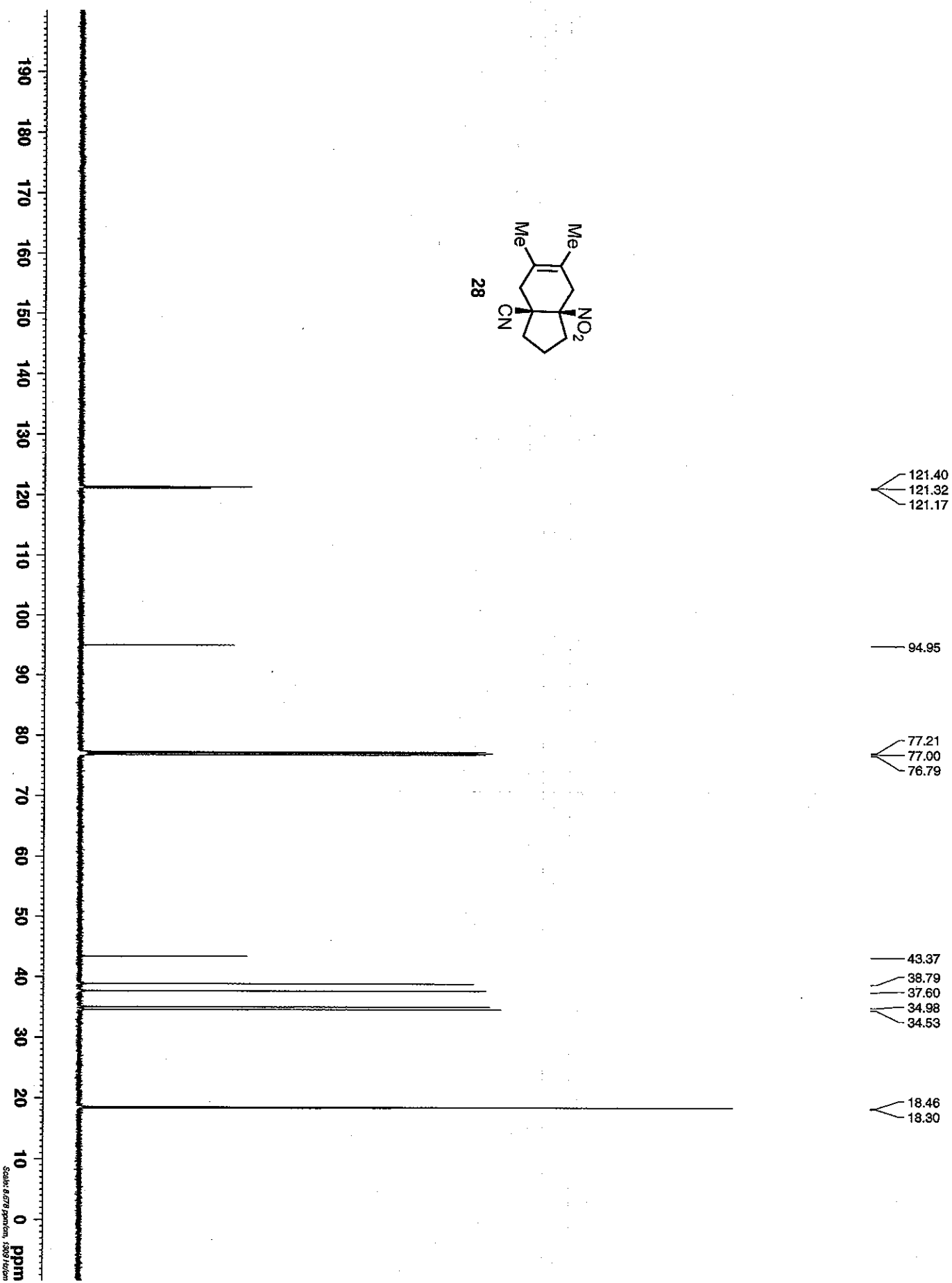
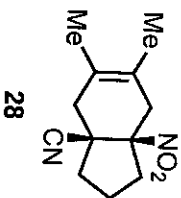
77.318
 77.001
 76.683

39.677
 39.444
 36.095
 33.952
 32.800
 29.719
 29.494
 29.325
 22.640
 22.080
 20.986



* Kimw12 AS1_4_225 (10 1) CDCl3 24.0C July_06,2009_18:41:49 Bruker AVII+ 600MHz RFL1326: zg30 : 1H 7.500 ppm *



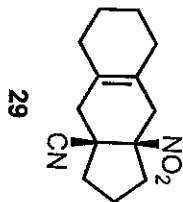


```

NAME          LJHCl-Exp163
EXPNO         3
PROCNO        1
Date_         20091208
Time          17.21
INSTRUM       5 mm Multinucl
PROBHD        spect
PULPROG       zg
TD            32768
SOLVENT       CDCl3
NS            12
DS            0
SWH           5995.204 Hz
FIDRES        0.182959 Hz
AQ            2.7329011 sec
RG            57
DE            83.400 usec
TE            300.0 K
D1            1.000000000 sec
TD0           1

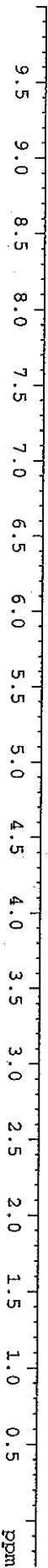
===== CHANNEL f1 =====
NUC1          1H
P1            2.50 usec
PL1           0.00 dB
SFO1         399.9225995 MHz
SI           32768
SF           399.9200110 MHz
WDW           EM
SSB           0
LB            0.20 Hz
GB            0
PC            1.00

```



7.260

2.772
2.727
2.704
2.675
2.662
2.651
2.638
2.627
2.615
2.603
2.462
2.417
2.378
2.369
2.354
2.345
2.336
2.325
2.312
2.252
2.208
2.188
2.174
2.164
2.150
2.139
2.129
2.119
2.115
2.086
2.080
2.068
2.061
2.054
2.040
2.031
2.021
1.999
1.990
1.984
1.976
1.966
1.952
1.943
1.932

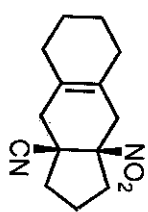


3.000
1.060
1.042
0.969
8.456
4.084

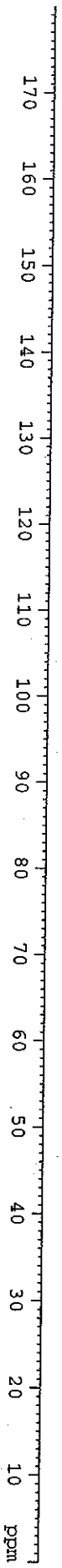
NAME LJHCL-Exp163
 EXPNO 13
 PROCNO 1
 Date_ 20091117
 Time 23.01
 INSTRUM spect
 PROBHD 5 mm Multinucl
 PULPROG zgpg30
 TD 30902
 SOLVENT Acetone
 NS 1056
 DS 0
 SWH 22075.055 Hz
 FIDRES 0.714357 Hz
 AQ 0.6999803 sec
 RG 16384
 DW 22.650 usec
 DE 6.00 usec
 TE 300.0 K
 D1 0.59999999 sec
 d11 0.03000000 sec
 DELTA 0.59999996 sec
 TD0 1

===== CHANNEL f1 =====
 NUCL1 13C
 P1 17.50 usec
 PL1 -1.00 dB
 SFO1 100.5699800 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUCL2 1H
 PCPD2 96.25 usec
 PL2 0.00 dB
 PL12 23.00 dB
 PL13 23.00 dB
 SFO2 399.9215997 MHz
 SI 65536
 SF 100.5599673 MHz
 WDW EM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40



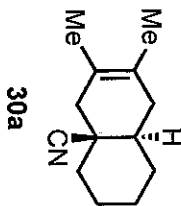
- 123.649
- 123.541
- 121.261
- 94.833
- 77.317
- 77.000
- 76.682
- 43.165
- 37.757
- 36.590
- 34.965
- 34.485
- 29.341
- 29.192
- 22.537
- 22.483
- 18.415



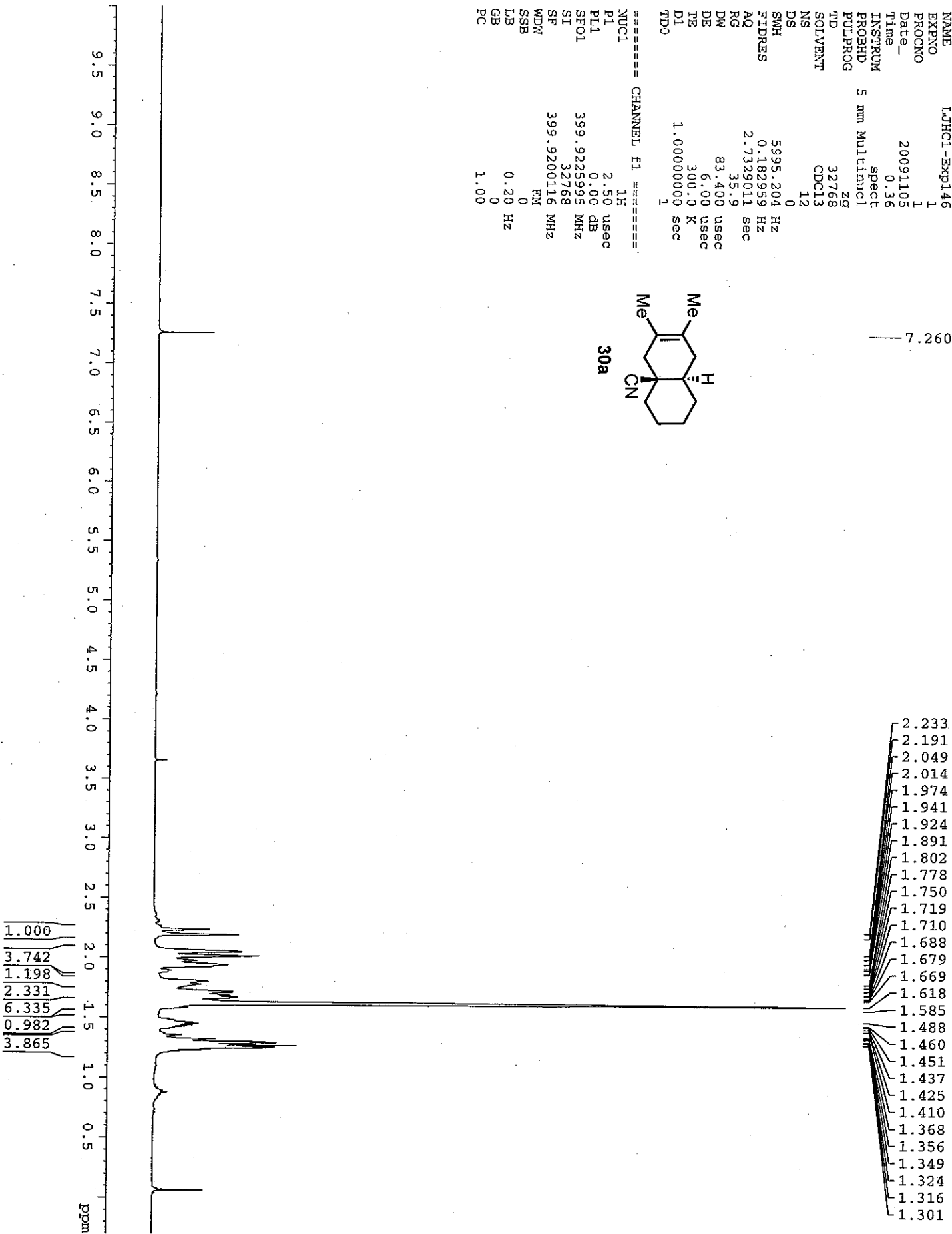
```

NAME          LJHCl-Exp146
EXPNO         1
PROCNO        1
Date_         20091105
Time          0.36
INSTRUM       spect
PROBHD        5 mm Multinucl
PULPROG       zg
TD            32768
SOLVENT       CDCl3
NS            12
DS            0
SWH           5995.204 Hz
FIDRES        0.182959 Hz
AQ           2.7329011 sec
RG           35.9
DM           83.400 usec
DE           6.00 usec
TE           300.0 K
D1           1.00000000 sec
TD0          1
===== CHANNEL f1 =====
NUC1          1H
P1           2.50 usec
PL1          0.00 dB
SFO1         399.9225995 MHz
SI           32768
SF           399.9200116 MHz
WDW          EM
SSB          0
LB           0.20 Hz
GB           0
PC           1.00

```



— 7.260



NAME LJHCl-Exp146

EXPNO 13
PROCNO 1
Date_ 20091105
Time 0.39
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 30902
SOLVENT Aceton
NS 601
DS 0

SWH 22075.055 Hz
FIDRES 0.714357 Hz
AQ 0.6999803 sec
RG 16384
DW 22.650 usec
DE 6.00 usec
TE 300.0 K
D1 0.69999999 sec
d11 0.03000000 sec
DELTA 0.59999996 sec
TD0 1

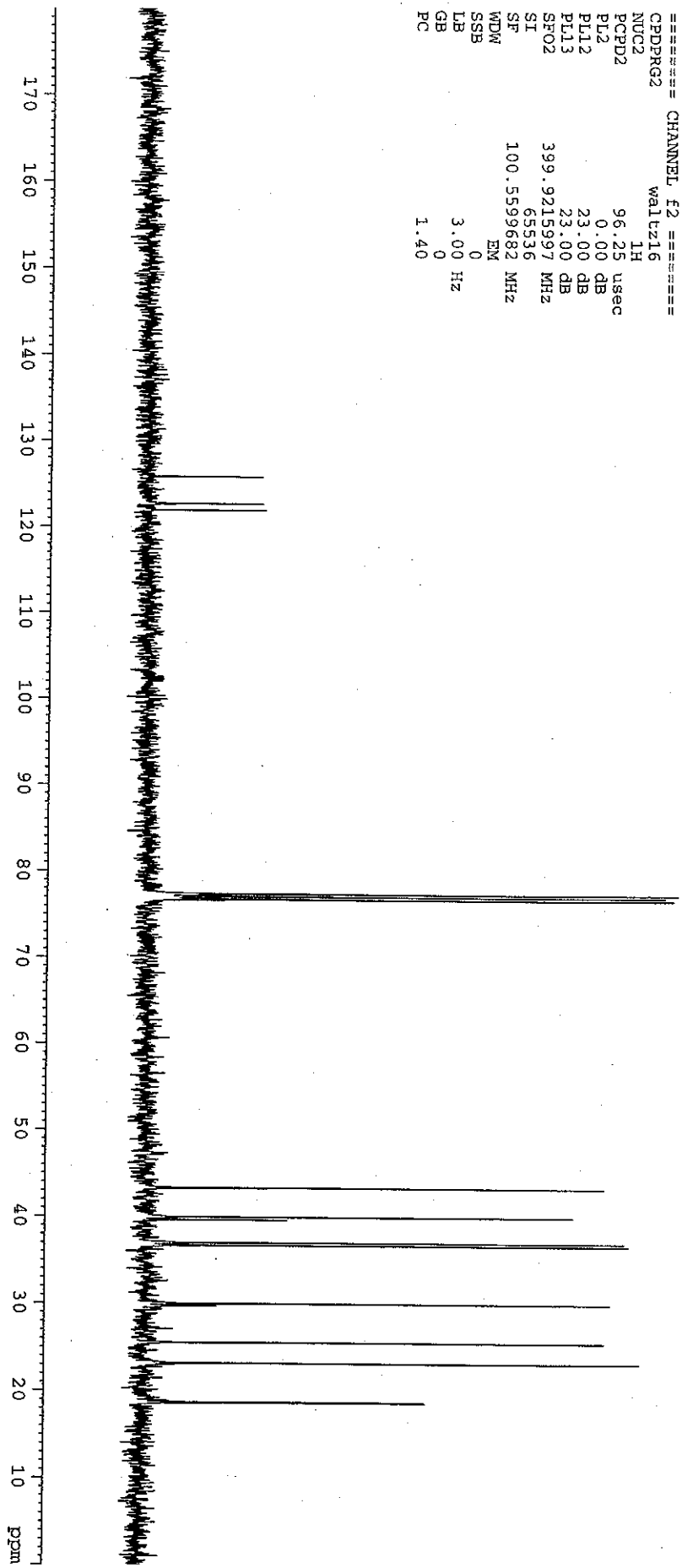
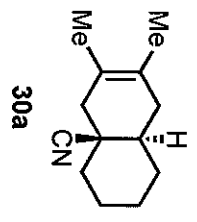
==== CHANNEL F1 =====
NUC1 13C
P1 17.50 usec
PL1 -1.00 dB
SFO1 100.5699800 MHz

==== CHANNEL F2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 96.25 usec
PL2 0.00 dB
PL12 23.00 dB
PL13 23.00 dB
SFO2 399.9215997 MHz
SI 65536
SF 100.5599682 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

125.785
122.642
121.898

77.318
77.000
76.683

43.249
39.899
39.560
36.932
36.634
29.924
25.485
23.127
18.673
18.584

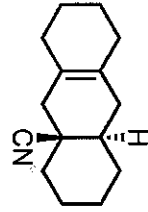


```

NAME          L/HCl-Exp158
EXPNO         1
PROCNO        1
Date_         20091117
Time          23.54
INSTRUM       5 mm Multinucl
PROBHD        spect
PULPROG       zg
TD            32768
SOLVENT       D2O
NS            12
DS            0
SWH           5995.204 Hz
FIDRES        0.182959 Hz
AQ            2.7329011 sec
RG            50.8
DE            83.400 usec
TE            300.0 K
D1            1.00000000 sec
TD0           1

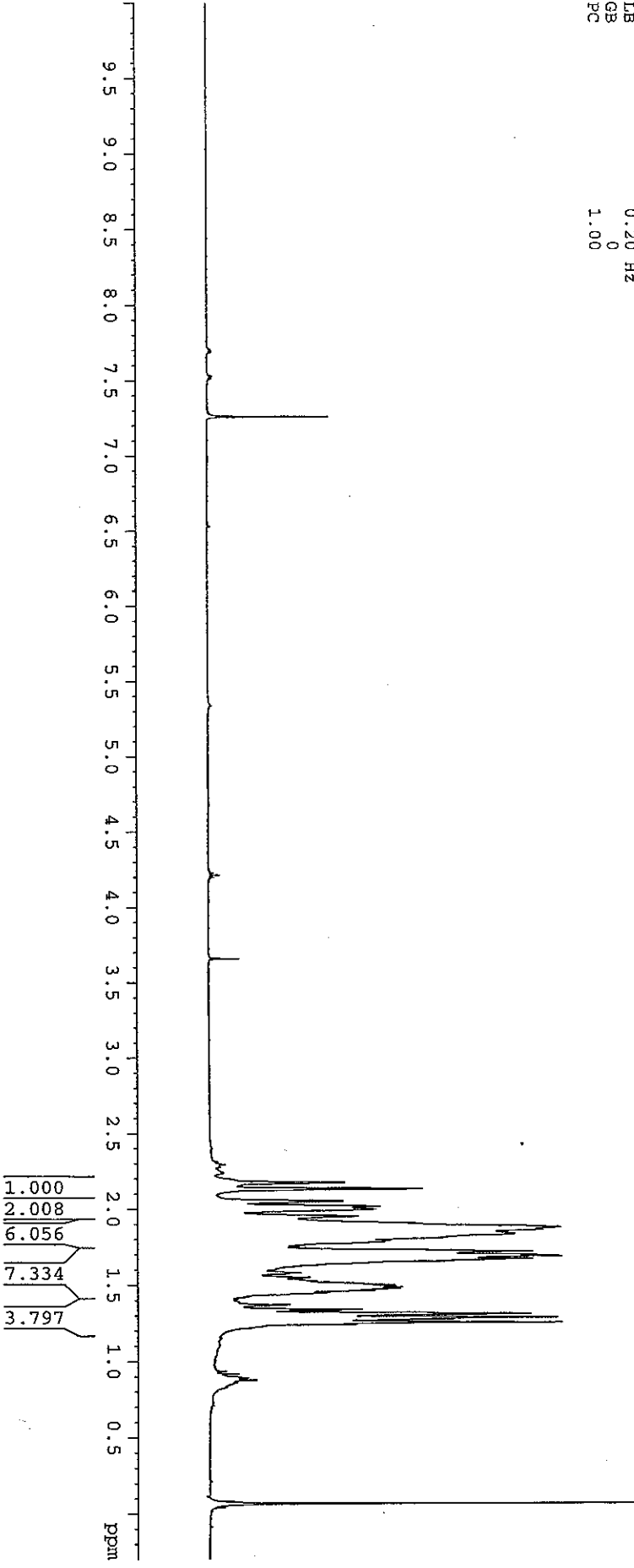
===== CHANNEL f1 =====
NUC1          1H
P1            2.50 usec
PL1           0.00 dB
SFO1         399.9225995 MHz
SI           32768
SF           399.9200112 MHz
WDW           EM
SSB           0
LB            0.20 Hz
GB            0
PC            1.00

```



7.260

- 2.172
- 2.130
- 2.047
- 2.013
- 2.005
- 1.995
- 1.950
- 1.875
- 1.857
- 1.831
- 1.789
- 1.750
- 1.723
- 1.715
- 1.694
- 1.685
- 1.668
- 1.654
- 1.620
- 1.579
- 1.571
- 1.549
- 1.528
- 1.504
- 1.498
- 1.491
- 1.483
- 1.475
- 1.462
- 1.448
- 1.369

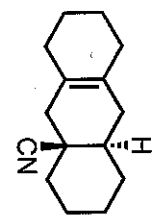


NAME LJHCl-Exp158
 EXPNO 13
 PROCNO 1
 Date_ 20091118
 Time 0.10
 INSTRUM spect
 PROBHD 5 mm Multinucl
 PULPROG zgpg30
 TD 30902
 SOLVENT Aceton
 NS 708
 DS 0
 SWH 22075.055 Hz
 FIDRES 0.714357 Hz
 AQ 0.6999803 sec
 RG 16384
 DW 22.650 usec
 DE 6.00 usec
 TE 300.0 K
 D1 0.69999999 sec
 d11 0.03000000 sec
 DELTA 0.59999996 sec
 TDO 1

===== CHANNEL F1 =====
 NUCL1 13C
 P1 17.50 usec
 PL1 -1.00 dB
 SFO1 100.5699800 MHz

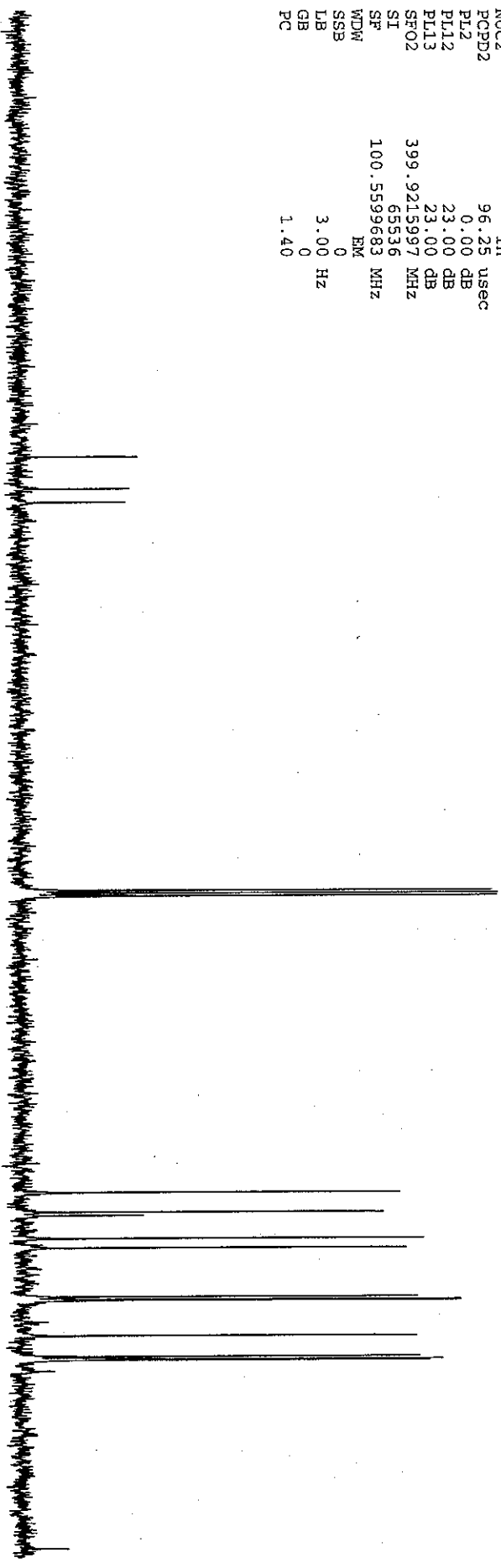
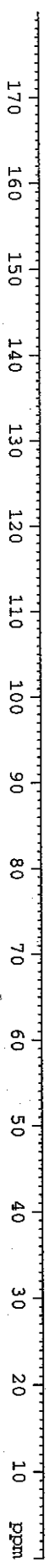
===== CHANNEL F2 =====
 CPDPRG2 waltz16
 NUCL2 1H
 PCPD2 96.25 usec
 PL2 0.00 dB
 PL12 23.00 dB
 PL13 23.00 dB
 SFO2 399.9215997 MHz
 SI 65536
 SF 100.5599683 MHz
 WDM RM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40

128.042
 124.290
 122.694



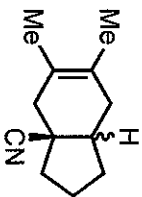
77.318
 77.000
 76.682

42.109
 39.821
 39.440
 36.781
 35.681
 30.036
 29.720
 29.627
 25.541
 23.159
 22.853
 22.738

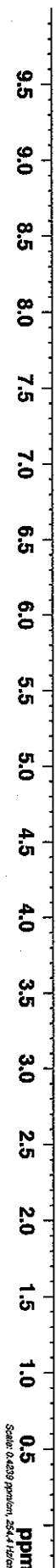


* Kimw12 AS1_4_229 (10 1) CDCl3 24.0C July_07.2009_18:51:13 Bruker AVII+ 600MHz RRL1326: zg30 : 1H 7.500 ppm *

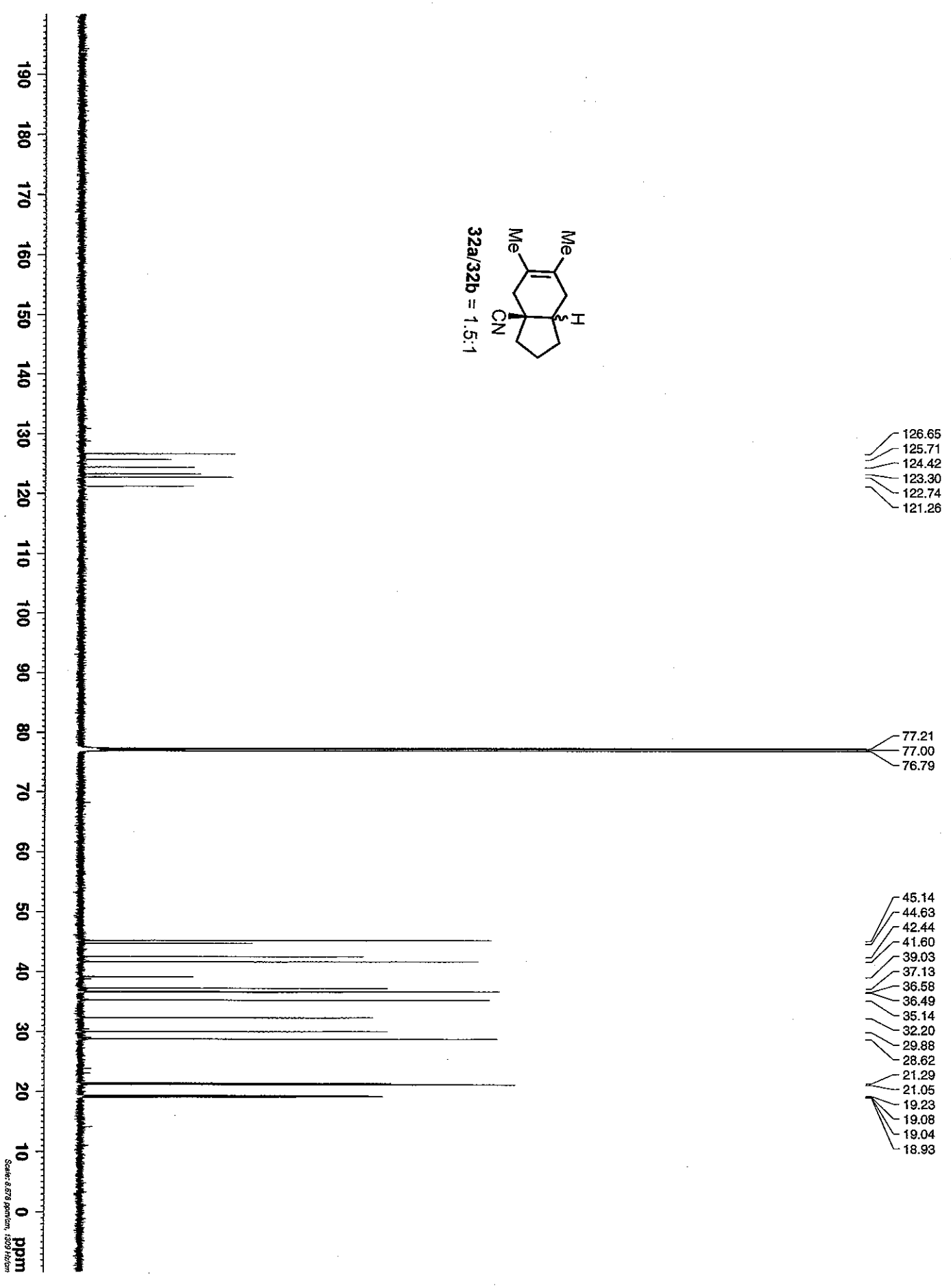
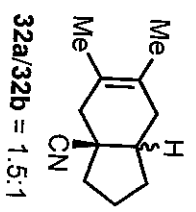
- 7.1967
- 2.3968
- 2.3693
- 2.2896
- 2.2815
- 2.2668
- 2.2127
- 2.2088
- 2.1986
- 2.1944
- 2.1912
- 2.1873
- 2.1771
- 2.1730
- 2.1487
- 2.0855
- 2.0759
- 2.0529
- 2.0469
- 2.0133
- 2.0023
- 1.9976
- 1.9923
- 1.9862
- 1.9803
- 1.9776
- 1.9655
- 1.8947
- 1.8896
- 1.8872
- 1.8824
- 1.8716
- 1.8681
- 1.8651
- 1.8600
- 1.8538
- 1.8488
- 1.8459
- 1.8388
- 1.8341
- 1.8243
- 1.8203
- 1.8121
- 1.8035
- 1.7996
- 1.7911
- 1.7862
- 1.7775
- 1.7724
- 1.7633
- 1.7571
- 1.7503
- 1.7425
- 1.7403
- 1.7355
- 1.7266
- 1.7224
- 1.7206
- 1.7185
- 1.7147
- 1.7106
- 1.7065
- 1.7033
- 1.6990
- 1.6938
- 1.6918
- 1.6886
- 1.6846
- 1.6772
- 1.6013
- 1.5778
- 1.5571
- 1.5532
- 1.5466
- 1.5358
- 1.5220
- 1.4898
- 1.4834
- 1.4779
- 1.4719
- 1.4679
- 1.4574
- 1.4529
- 1.4502
- 1.4393
- 1.4376
- 1.4357
- 1.4304
- 1.4193
- 1.3442
- 1.3382
- 1.3299
- 1.3247
- 1.3225
- 1.3152
- 1.3091



32a/32b = 1.5:1



Scale: 0.439 ppm/cm, 254.4 Hz/cm



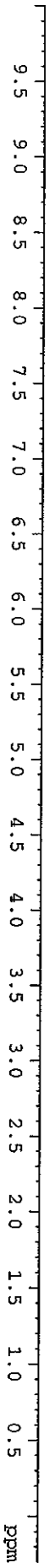
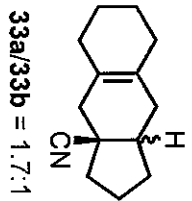
7.260
2.404
2.363
2.287
2.271
2.265
2.261
2.255
2.240
2.233
2.075
2.067
2.059
2.051
2.038
2.019
1.989
1.974
1.967
1.962
1.956
1.952
1.944
1.934
1.929
1.913
1.906
1.897
1.890
1.884
1.872
1.851
1.837
1.830
1.822
1.815
1.805
1.802
1.794
1.786
1.782
1.771
1.762
1.753
1.746
1.731
1.714
1.703
1.694
1.688
1.668
1.664
1.648
1.638
1.633
1.623
1.608
1.584
1.578
1.571
1.559
1.549
1.539
1.534
1.530
1.522
1.517
1.512
1.500
1.490
1.471
1.449

```

NAME          LJHD-Exp2
EXPNO         1
PROCNO        1
Date_         20091214
Time          0.38
INSTRUM       5 mm Multinuc1
PROBHD        spect
PULPROG       zg
TD             32768
SOLVENT       CDCl3
NS            12
DS            0
SMH           5995.204 Hz
FIDRES        0.182959 Hz
AQ            2.7329041 sec
RG            71.8
DW            83.400 usec
DE            6.00 usec
TE            300.1 K
D1            1.00000000 sec
TDO           1
  
```

```

===== CHANNEL F1 =====
NUC1          1H
P1            2.50 usec
PL1           0.00 dB
SFO1          399.9225995 MHz
SI            32768
SF            399.9200112 MHz
WDW           EM
SSB           0
LB            0.20 Hz
GB            0
PC            1.00
  
```



5.000
20.896
12.896

```

NAME          LJHD-Exp2
EXPNO         14
PROCNO        1
Date_         20091214
Time          1.48
INSTRUM       spect
PROBHD        5 mm Multinucl
PULPROG       zgpg30
TD            30902
SOLVENT       Acetone
NS            14378
DS            0
SMH           22075.055 Hz
FIDRES        0.714357 Hz
AQ            0.6999803 sec
RG            16384
DW            22.650 usec
DE            6.00 usec
TE            300.0 K
D1            0.69999999 sec
d11           0.03000000 sec
DELTA         0.59999996 sec
TD0           1
  
```

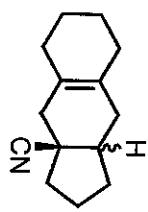
```

===== CHANNEL f1 =====
NUC1          13C
P1            17.50 usec
PL1          -1.00 dB
SF01         100.5699800 MHz
  
```

```

===== CHANNEL f2 =====
CPDPRG2      waltz16
NUC2          1H
PCPD2        96.25 usec
PL2          0.00 dB
PL12         23.00 dB
PL13         23.00 dB
SF02         399.9215997 MHz
SI           65536
SF           100.5599681 MHz
WDW          EM
SSB          0
LB           3.00 Hz
GB           0
PC           1.40
  
```

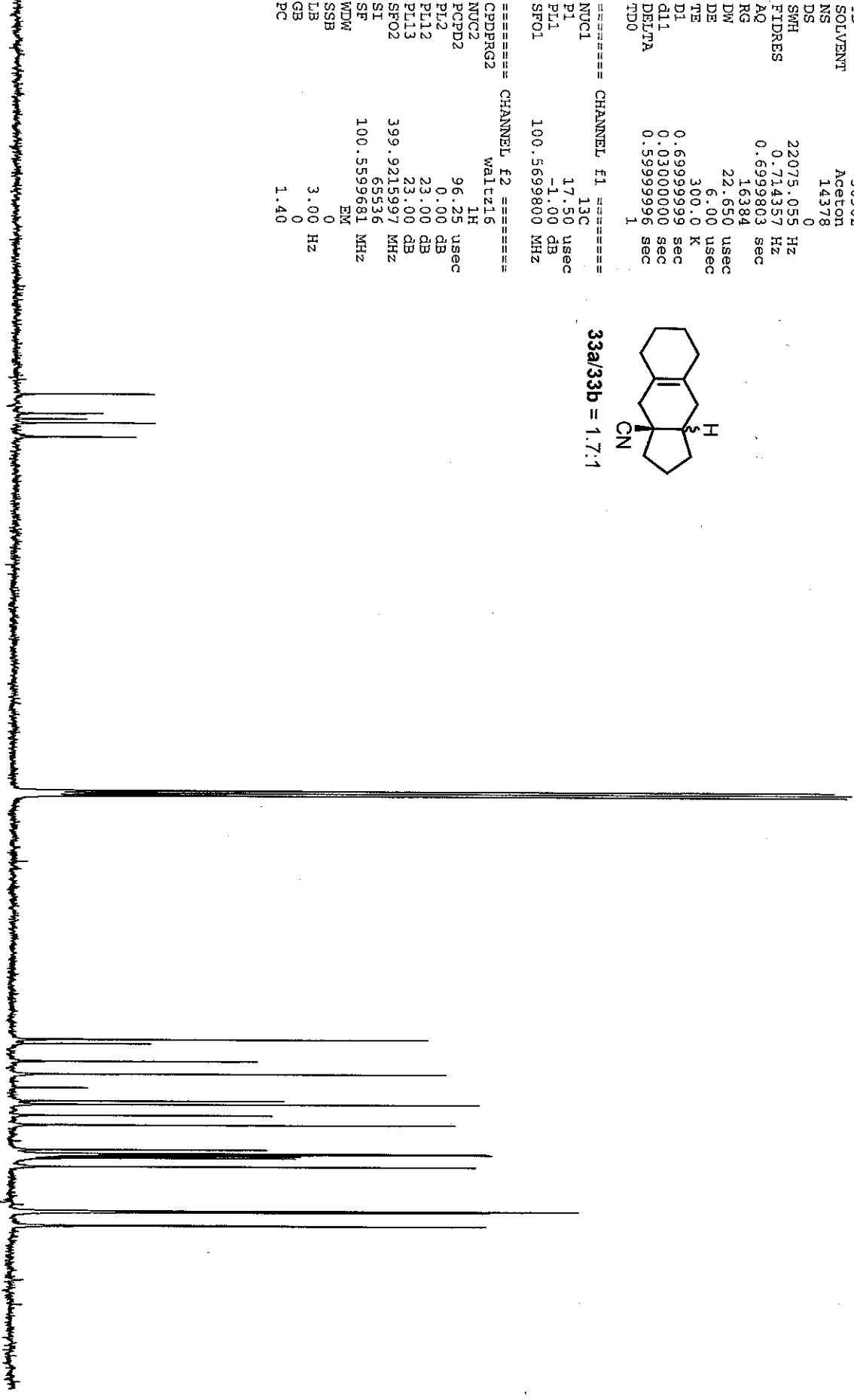
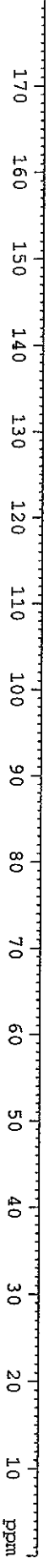
- 128.936
- 126.391
- 125.688
- 125.170
- 123.413
- 123.334



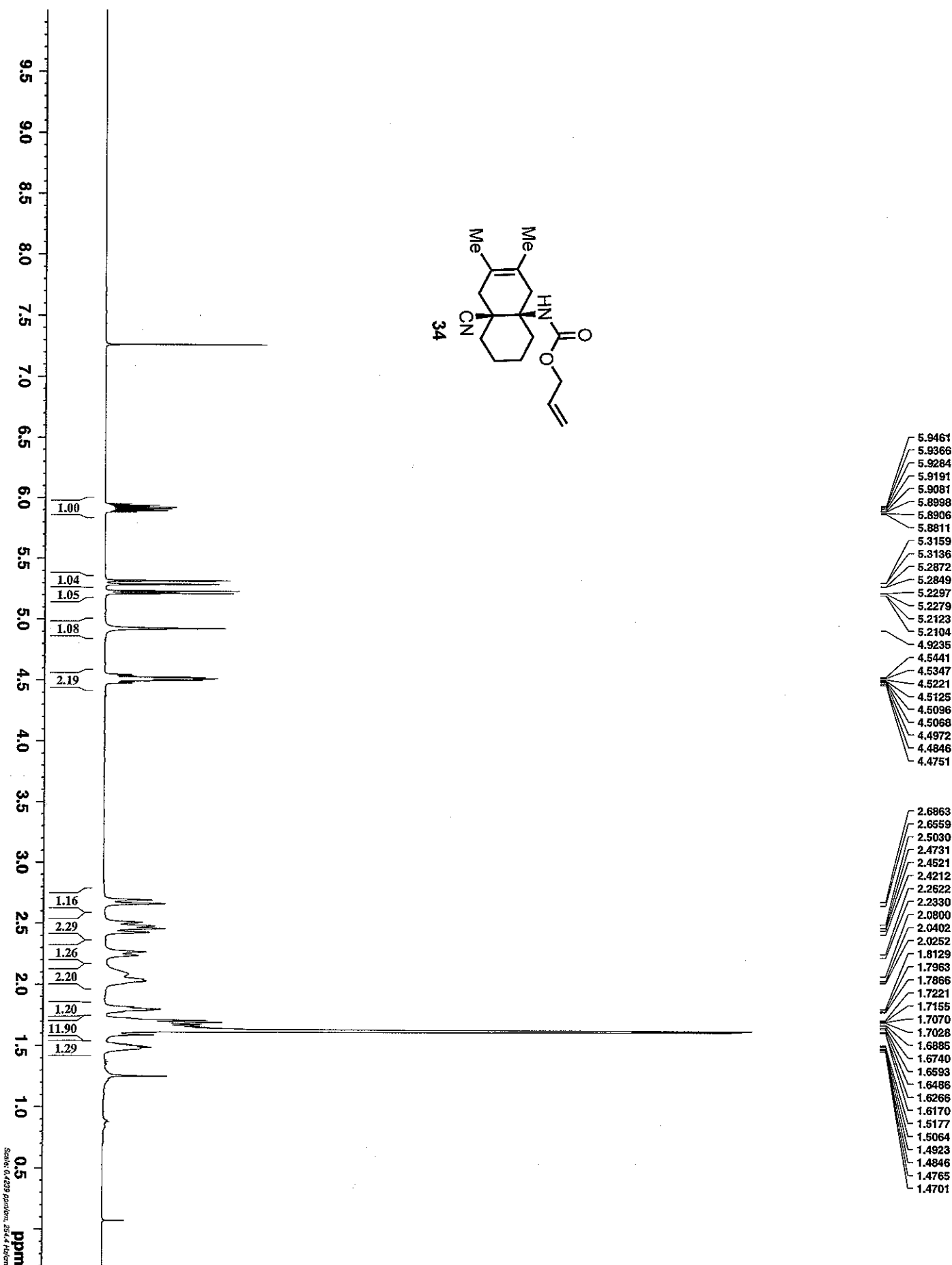
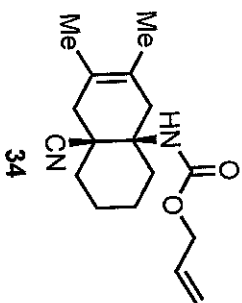
33a/33b = 1.7:1

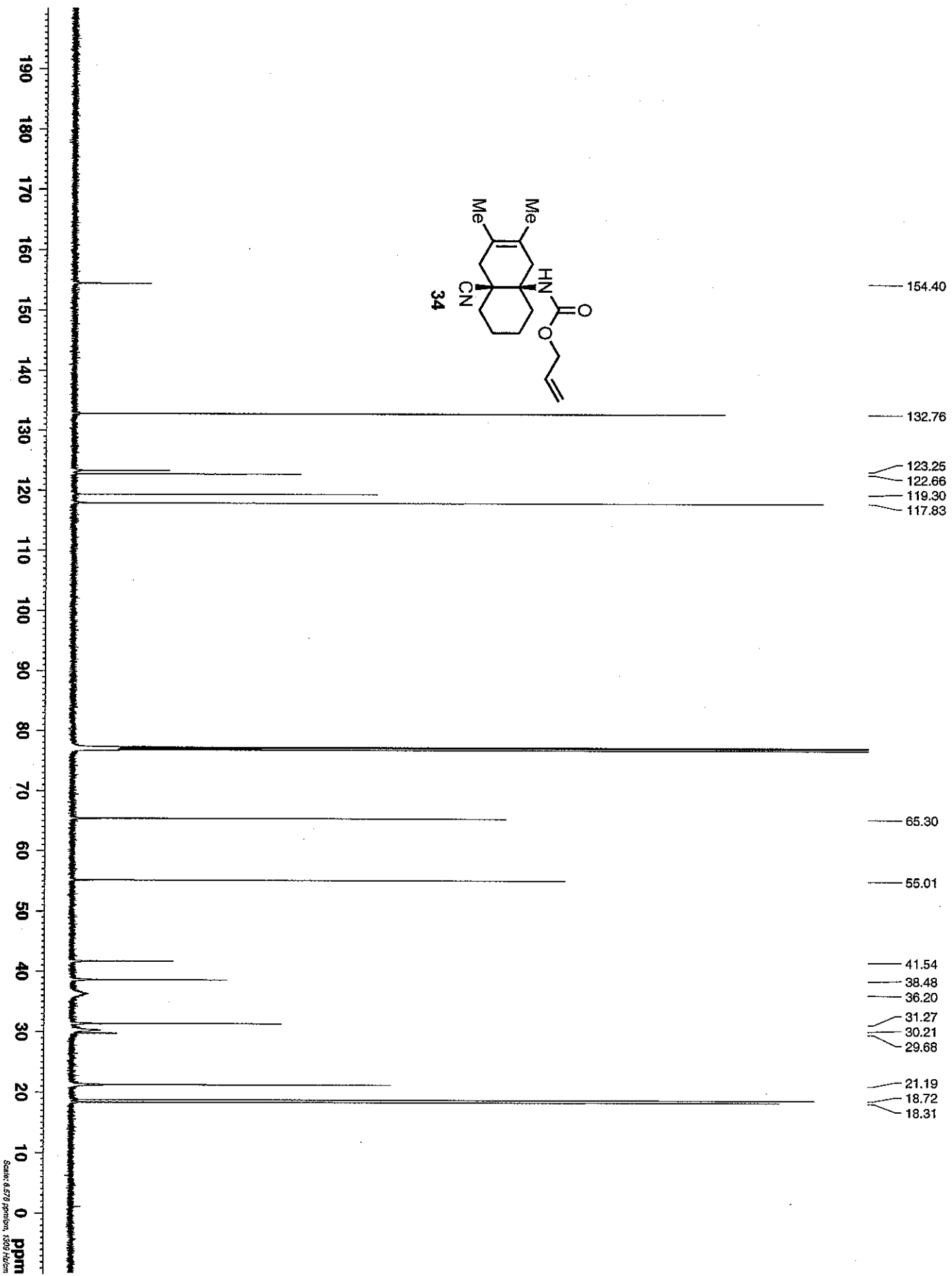
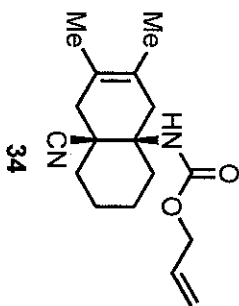
- 77.317
- 76.999
- 76.682

- 45.011
- 44.458
- 42.181
- 40.540
- 38.776
- 37.065
- 36.641
- 35.225
- 33.991
- 30.793
- 30.314
- 30.207
- 30.089
- 29.921
- 29.718
- 28.628
- 22.942
- 22.873
- 22.751
- 21.099
- 21.009



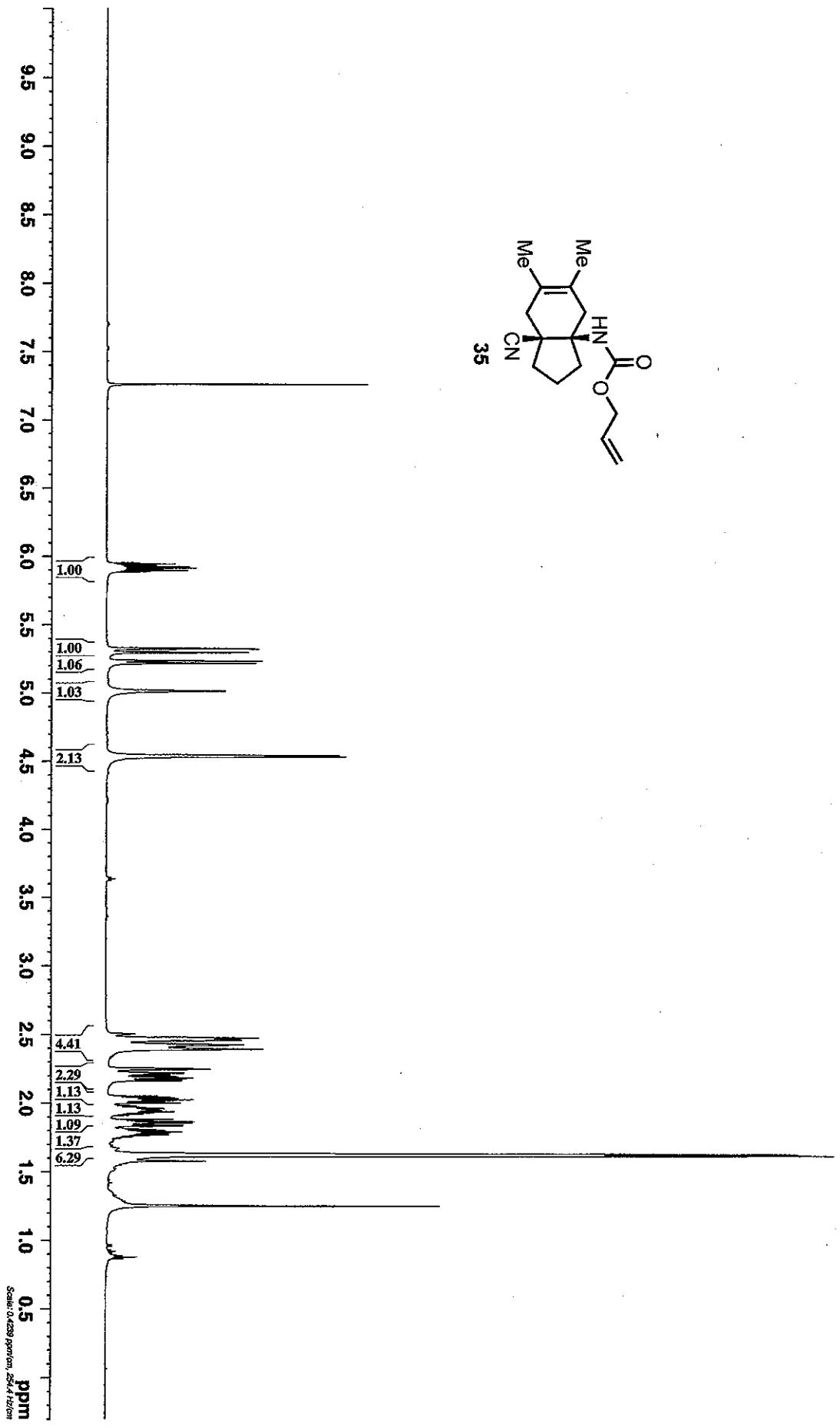
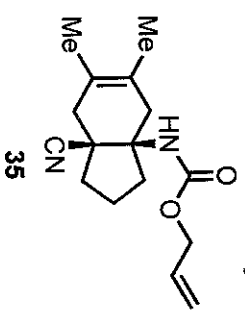
* faszinhb BA-II-200 redo (10 1) CDCI3 24.0C December_21_2009_15:29:34 Bruker AVIII 600MHz RRL1326: zg30 : 1H 7.500 ppm *

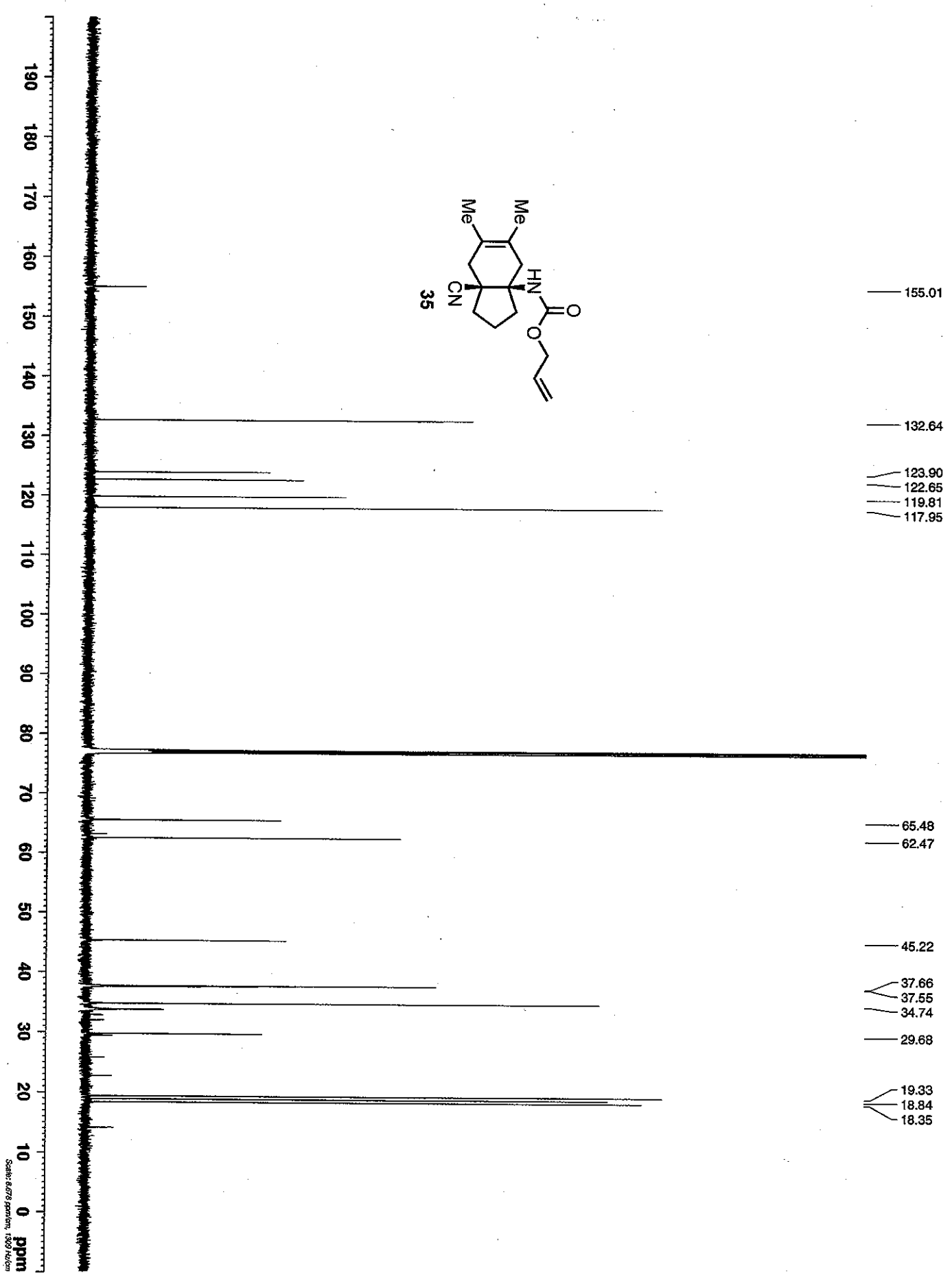
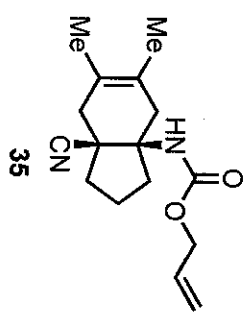




* Kimw12 AS1_4_249_UPPER (10 1) CDC13 24.0C July_16_2009_13:08:16 Bruker AVII+ 600MHz RRL1326: zg30 : 1H 7.500 ppm *

- 5.9531
- 5.9436
- 5.9356
- 5.9342
- 5.9262
- 5.9150
- 5.9069
- 5.9056
- 5.8975
- 5.8880
- 5.3300
- 5.3276
- 5.3251
- 5.3227
- 5.3013
- 5.2989
- 5.2964
- 5.2940
- 5.2377
- 5.2356
- 5.2203
- 5.2182
- 5.0148
- 4.5428
- 4.5336
- 2.5023
- 2.4721
- 2.4588
- 2.4244
- 2.4098
- 2.3932
- 2.2478
- 2.2181
- 2.2079
- 2.2001
- 2.1908
- 2.1862
- 2.1834
- 2.1783
- 2.1697
- 2.1619
- 2.0510
- 2.0408
- 2.0348
- 2.0281
- 2.0248
- 2.0180
- 2.0122
- 2.0022
- 1.9852
- 1.9766
- 1.9691
- 1.9668
- 1.9639
- 1.9600
- 1.9553
- 1.9538
- 1.9500
- 1.9474
- 1.9447
- 1.9381
- 1.9334
- 1.9308
- 1.9281
- 1.9214
- 1.9114
- 1.8801
- 1.8707
- 1.8642
- 1.8585
- 1.8550
- 1.8497
- 1.8424





Scale: 0.075 ppm/cm, 1309 Hz/cm