

**Probing the substrate specificity of *Trypanosoma brucei* GlcNAc-PI de-*N*-acetylase with
synthetic substrate analogues.**

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Contents:

Supporting NMR data in pdf format for all the new compounds described in this manuscript.

AC441
C13CPDfast.d MeOD {C:\Bruker\TOPSPIN} AC 9



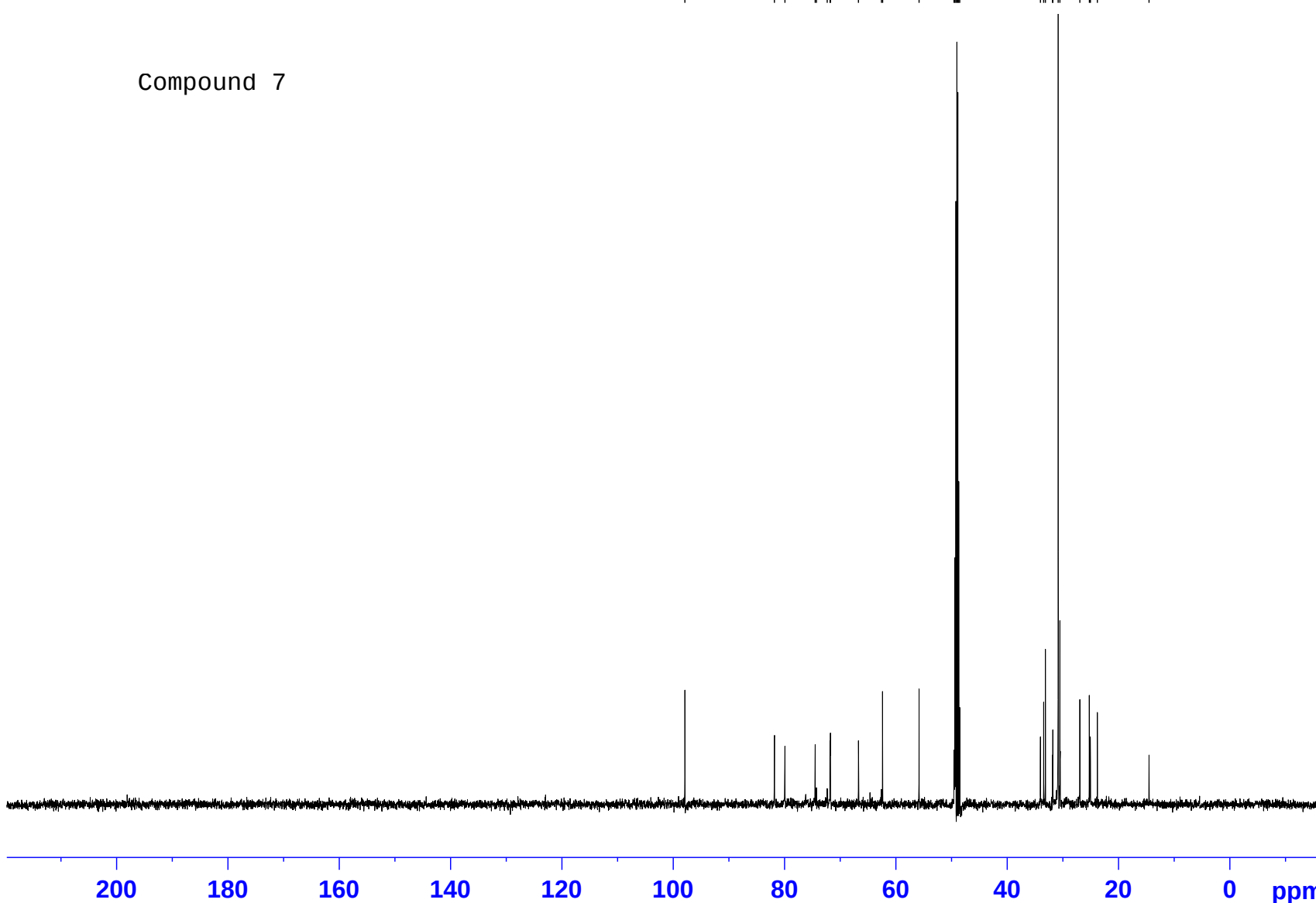
Compound 7

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62.39
55.83
49.55
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49.21
49.04
48.87
48.69
48.52
34.02
33.44
33.12
31.85
31.79
30.84
30.52
26.94
25.23
25.06
23.79
14.51

NAME AC-AC441
EXPNO 7
PROCNO 1
Date_ 20111005
Time 16.39
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT MeOD
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 295.7 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7576104 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



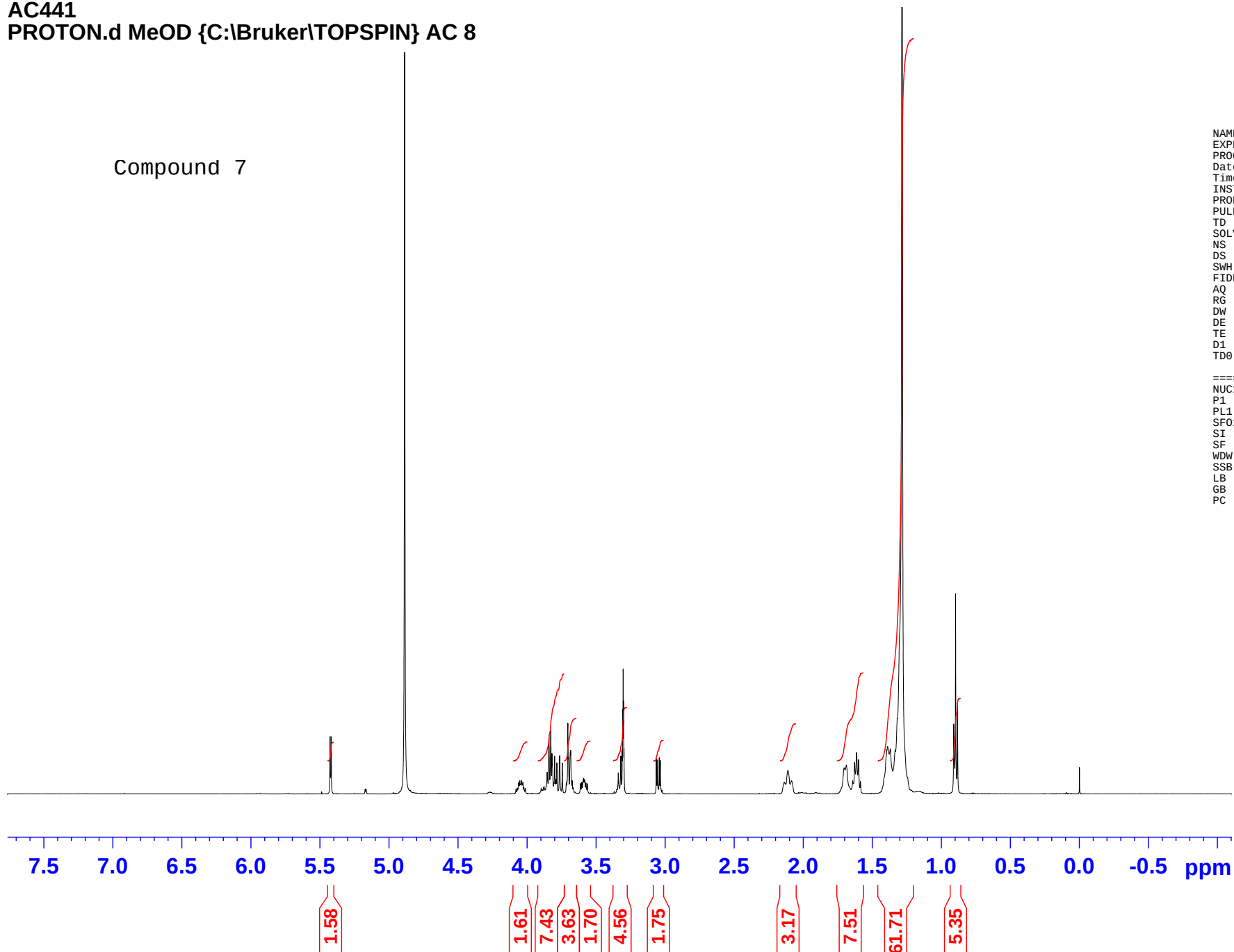
AC441
PROTON.d MeOD {C:\Bruker\TOPSPIN} AC 8

Compound 7



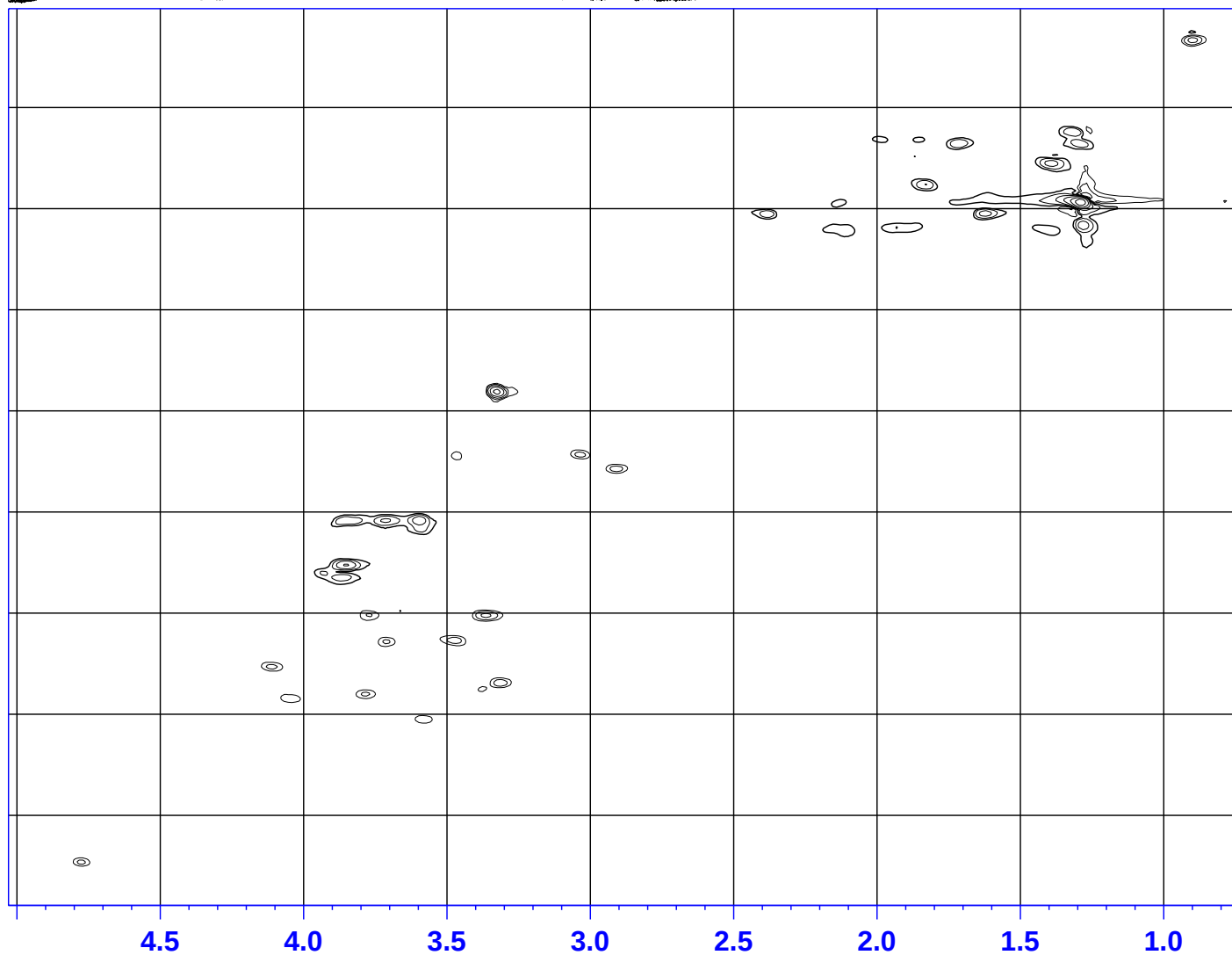
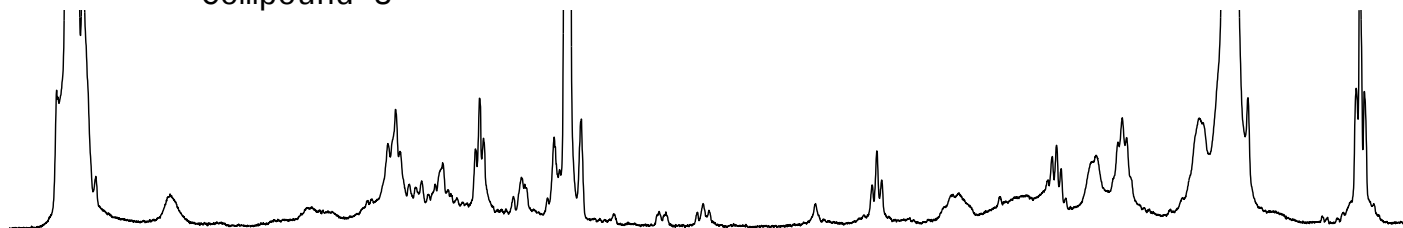
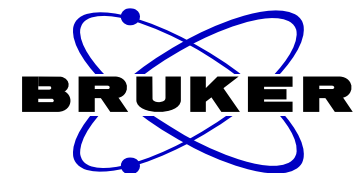
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TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 80.6
DW 48.400 usec
DE 6.00 usec
TE 294.9 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300135 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC390P

Compound 8



ppm

20

30

40

50

60

70

80

90

ppm

```
NAME AC390P2
EXPNO 3
PROCNO 1
Date_ 20130725
Time 21.15
INSTRUM AV500
PROBHD 5 mm CPTXI 1H-
PULPROG hsqcdecfgp
TD 1024
SOLVENT MeOD
NS 64
DS 16
SWH 6666.667 Hz
FIDRES 0.510417 Hz
AQ 0.0769250 sec
RG 18390.4
DW 75.000 usec
DE 6.50 usec
TE 298.0 K
CNST2 145.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
D21 0.00345000 sec
IN0 0.00002400 sec
ZGPTNS

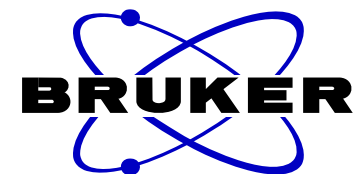
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NUC1 1H
P1 7.70 usec
P2 15.40 usec
P28 0.10 usec
PL1 1.00 dB
PL1W 7.20289707 W
SF01 500.1330069 MHz

===== CHANNEL f2 =====
CPDPRG2 garp
NUC2 13C
P3 14.00 usec
P4 28.00 usec
PCPD2 70.00 usec
PL2 -4.10 dB
PL12 9.88 dB
PL2W 105.88729095 W
PL12W 4.23490667 W
SF02 125.7671682 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SINE.100
GPNAM2 SINE.100
GPZ1 80.00 %
GPZ2 20.10 %
P16 1000.00 usec
ND0 2
TD 256
SF01 125.7672 MHz
FIDRES 81.374924 Hz
SW 165.639 ppm
FnMODE Echo-Antiecho
SI 1024
SF 500.1300000 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0
PC 1.00
SI 1024
MC2 echo-antiecho
SF 125.7577890 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0
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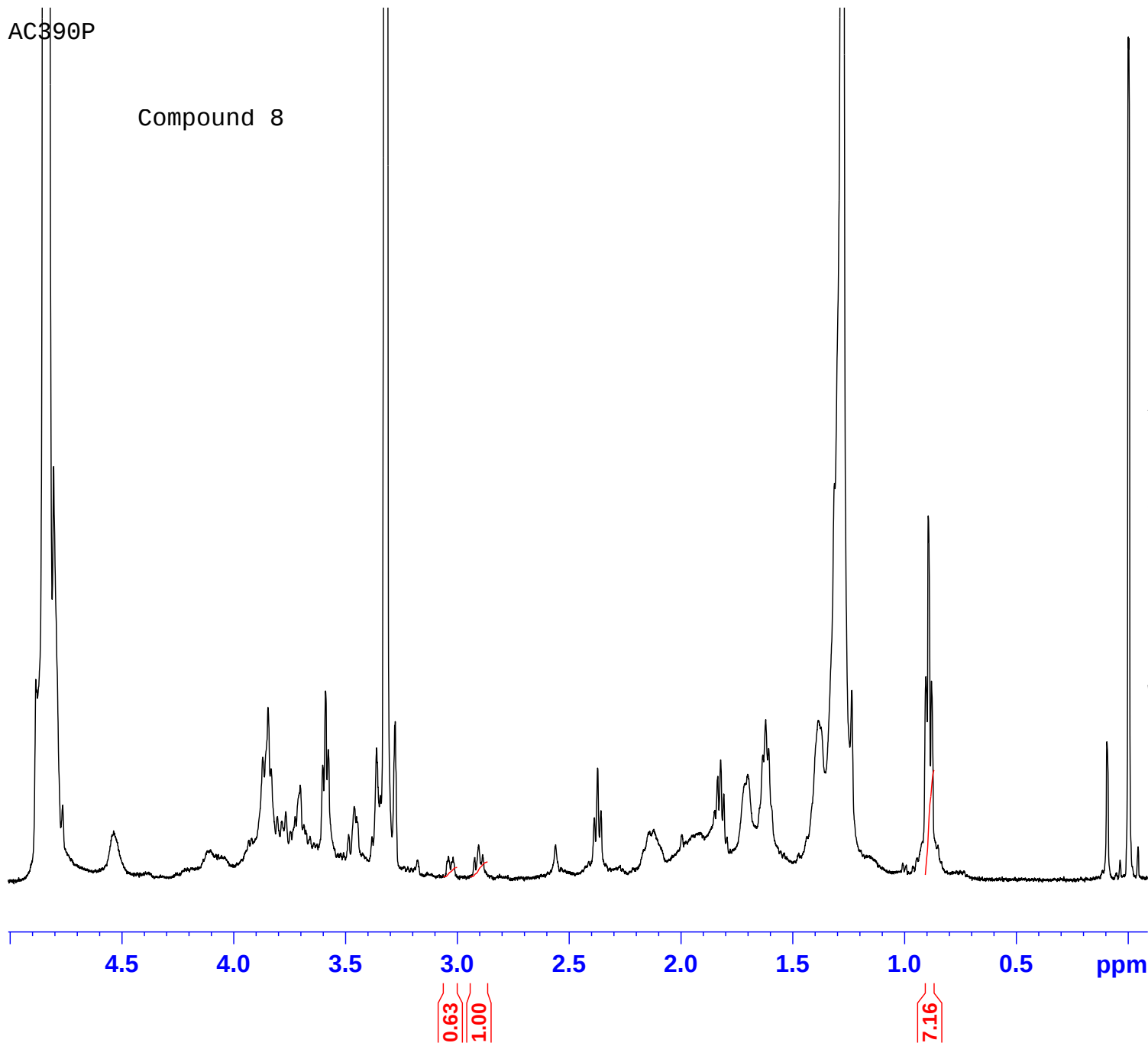
AC390P

Compound 8



NAME AC390P2
EXPNO 1
PROCNO 1
Date_ 20130725
Time 15.33
INSTRUM AV500
PROBHD 5 mm CPTXI 1H-
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 128
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1720407 sec
RG 4
DW 48.400 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 7.70 usec
PL1 1.00 dB
PL1W 7.20289707 W
SF01 500.1330885 MHz
SI 32768
SF 500.1300059 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



AC448
C13CPD.d MeOD {C:\Bruker\TOPSPIN} AC 22



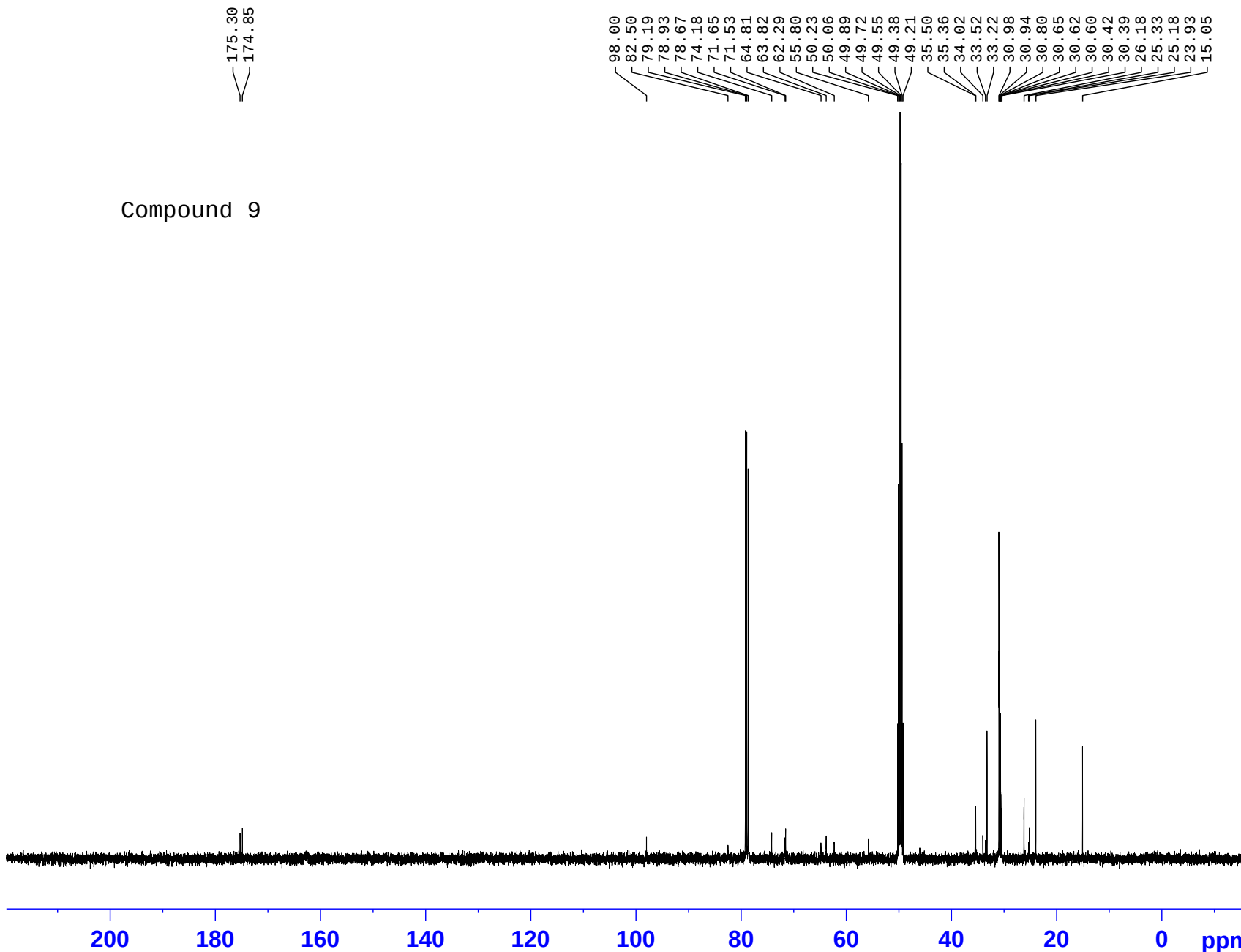
Compound 9

98.00
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78.67
74.18
71.65
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64.81
63.82
62.29
55.80
50.23
50.06
49.89
49.72
49.55
49.38
49.21
35.50
35.36
34.02
33.52
33.22
30.98
30.94
30.80
30.65
30.62
30.60
30.42
30.39
26.18
25.33
25.18
23.93
15.05

NAME AC-AC448
EXPNO 8
PROCNO 1
Date_ 20111209
Time 15.16
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT MeOD
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.8 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7576104 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



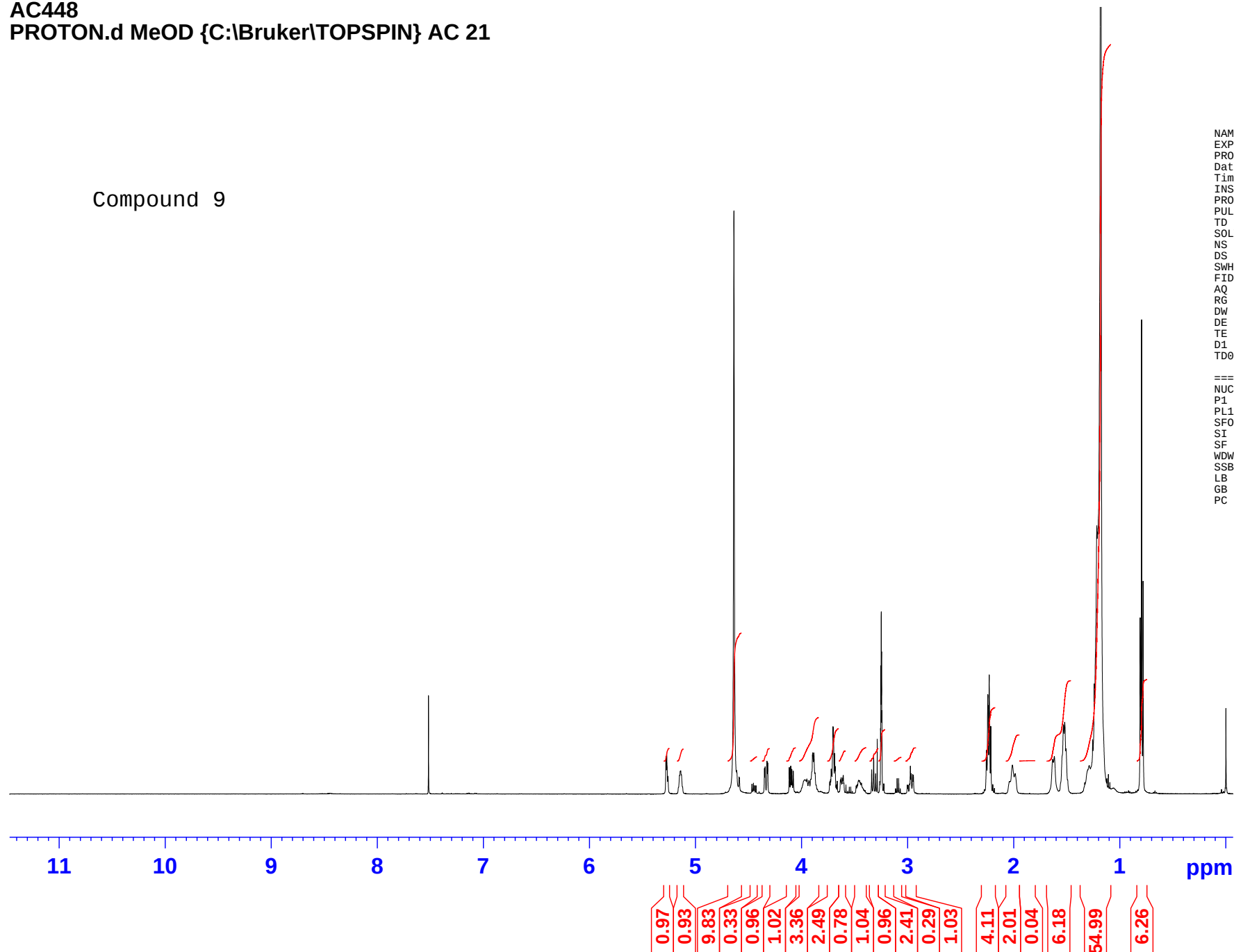
AC448
PROTON.d MeOD {C:\Bruker\TOPSPIN} AC 21

Compound 9



NAME AC-AC448
EXPNO 3
PROCNO 1
Date_ 20111209
Time 11.47
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 181
DW 48.400 usec
DE 6.00 usec
TE 293.9 K
D1 1.00000000 sec
TD0 1

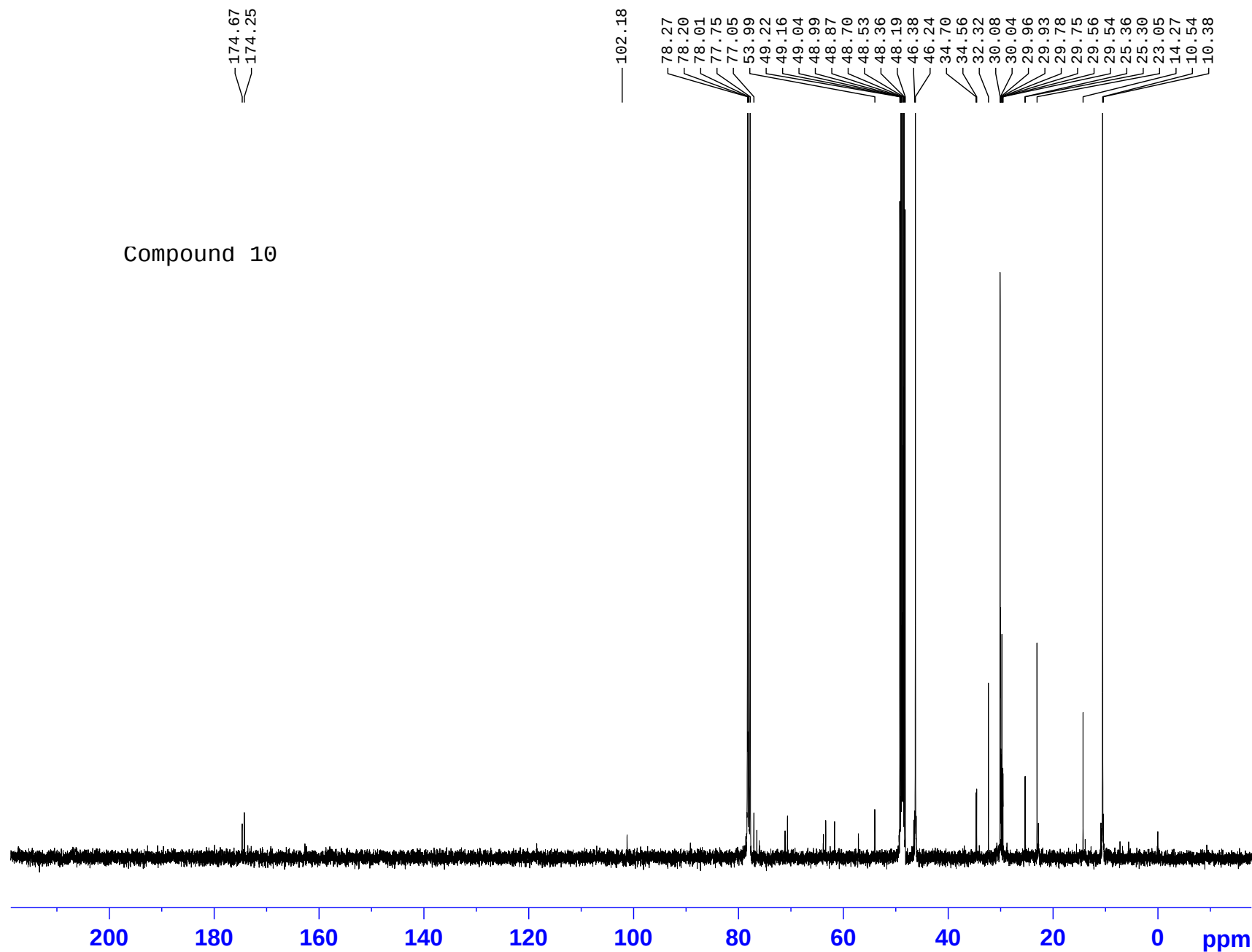
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300416 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC447
C13CPDlong.d MeOD {C:\Bruker\TOPSPIN} AC 12



Compound 10



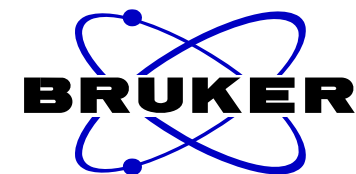
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EXPNO 9
PROCNO 1
Date_ 20111216
Time_ 0.01
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT MeOD
NS 8192
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.4 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 32

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577279 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

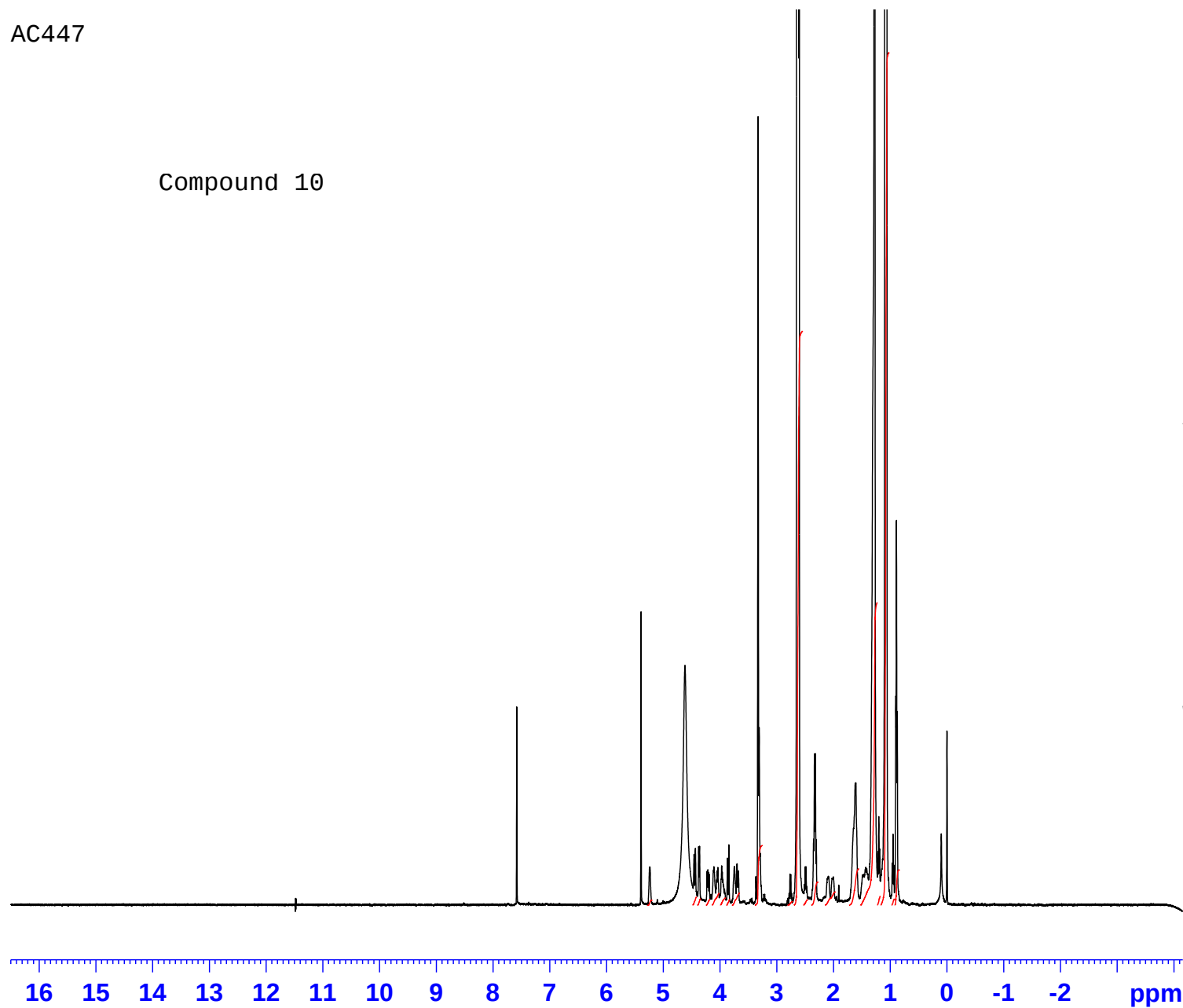
AC447

Compound 10



NAME IHG-ATC447
EXPNO 1
PROCNO 1
Date_ 20111213
Time 10.05
INSTRUM AV500
PROBHD 5 mm CPTXI 1H-
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1720407 sec
RG 4
DW 48.400 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 7.70 usec
PL1 1.00 dB
PL1W 7.20289707 W
SF01 500.1330885 MHz
SI 32768
SF 500.1300015 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

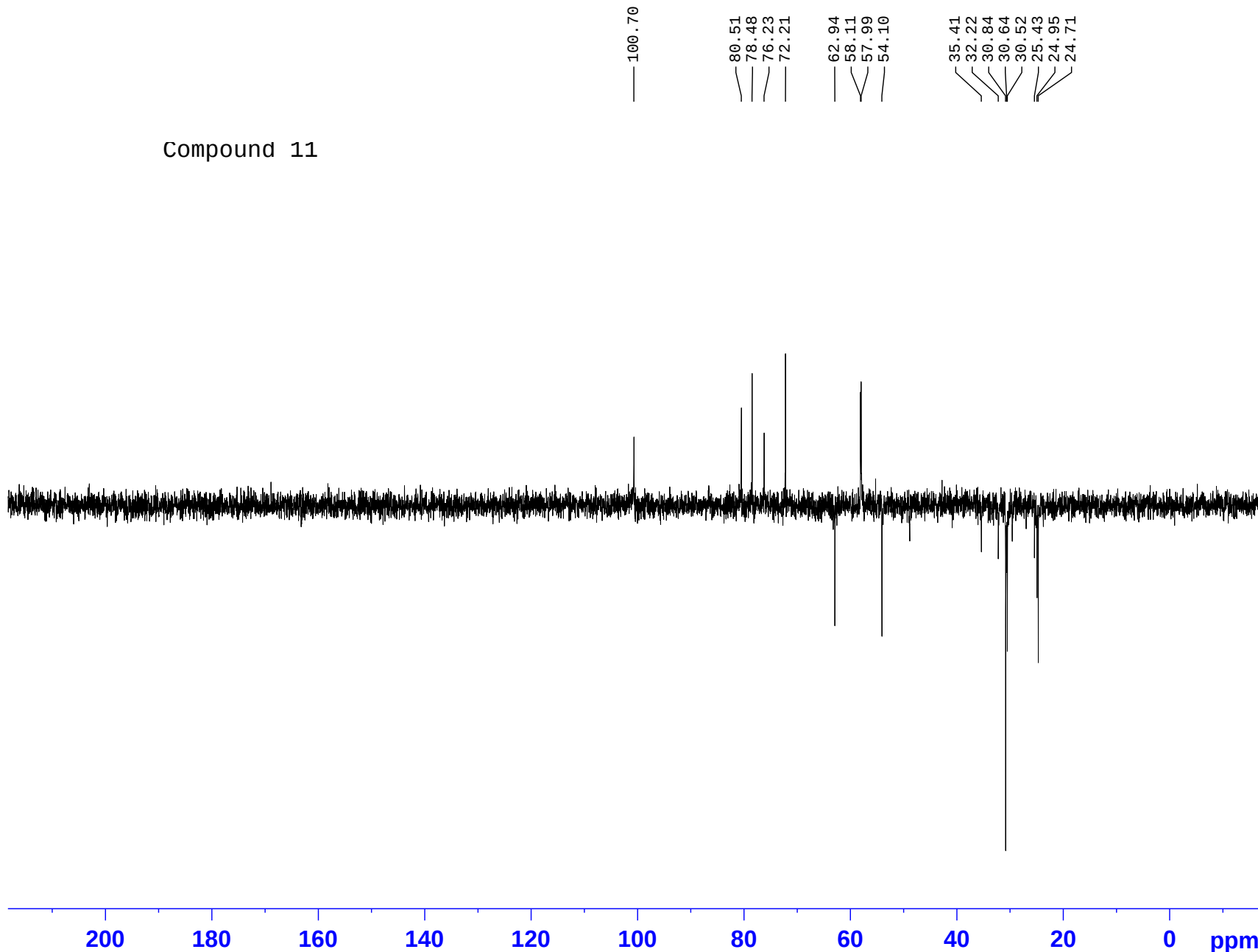


1.00
1.64
1.26
1.16
2.33
1.45
1.12
2.34
11.48
0.73
110.13
1.11
4.51
2.60
7.03
58.13
1.80
163.58
1.27
6.85

AC415 FR17-28
C13DEPT135f.d MeOD {C:\Bruker\TOPSPIN} AC 2



Compound 11



NAME AC-AC415A
EXPNO 5
PROCNO 1
Date_ 20100730
Time_ 10.52
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG dept135
TD 17258
SOLVENT MeOD
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.724528 Hz
AQ 0.2899844 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.0 K
CNST2 145.000000
D1 0.30000001 sec
d2 0.00344828 sec
d12 0.00002000 sec
DELTA 0.00000993 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
p2 15.60 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P3 12.00 usec
p4 24.00 usec
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7576104 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

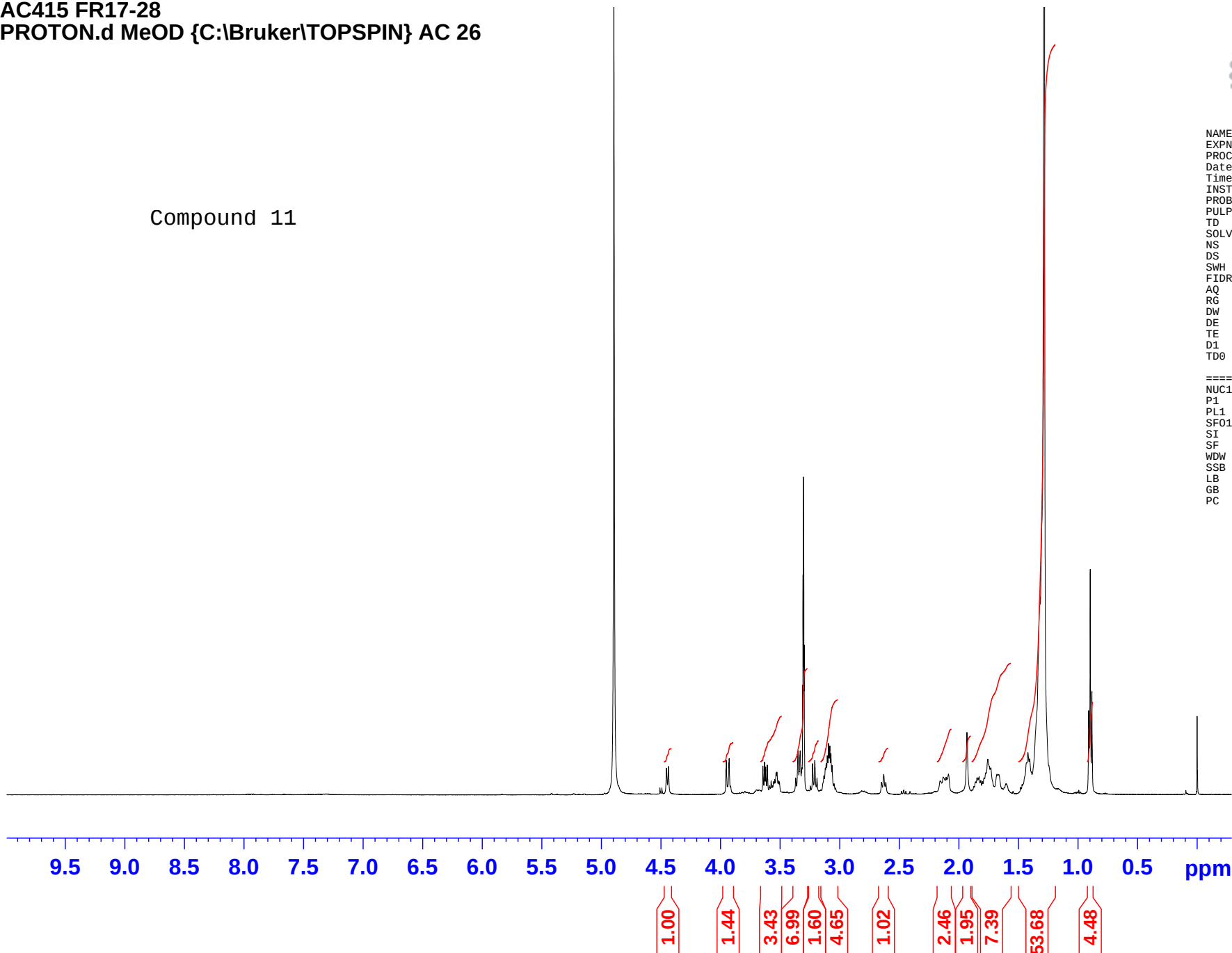
AC415 FR17-28
PROTON.d MeOD {C:\Bruker\TOPSPIN} AC 26

Compound 11



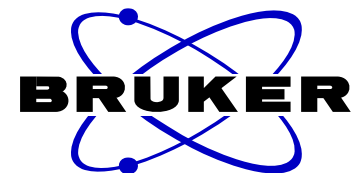
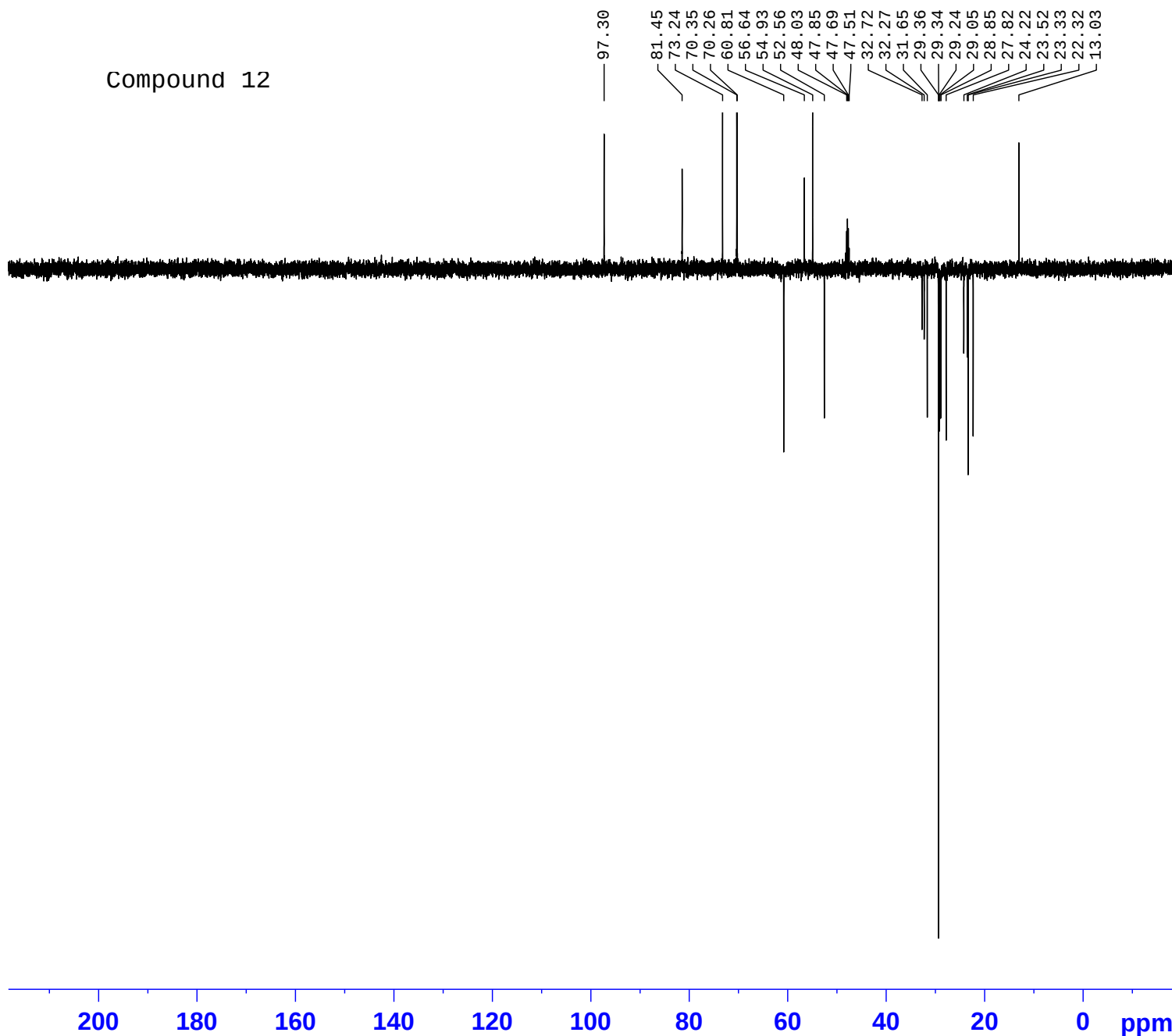
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PROCNO 1
Date_ 20100730
Time 9.33
INSTRUM spect
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PULPROG zg30
TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 203
DW 48.400 usec
DE 6.00 usec
TE 293.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300138 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC415B FR28-34

Compound 12



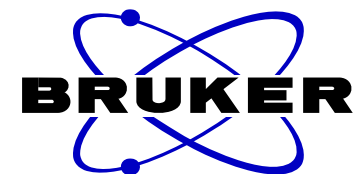
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PROCNO 1
Date_ 20120413
Time 15.50
INSTRUM AV500
PROBHD 5 mm CPTXI 1H-
PULPROG deptsp135
TD 65536
SOLVENT MeOD
NS 512
DS 4
SWH 30030.029 Hz
FIDRES 0.458222 Hz
AQ 1.0912410 sec
RG 16384
DW 16.650 usec
DE 6.50 usec
TE 298.0 K
CNST2 145.0000000
D1 2.00000000 sec
D2 0.00344828 sec
D12 0.00002000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 14.00 usec
P12 2000.00 usec
PL0 120.00 dB
PL1 -4.10 dB
PL0W 0.00000000 W
PL1W 105.88729095 W
SF01 125.7703643 MHz
SP2 1.14 dB
SPNAM2 Crp60comp.4
SPOAL2 0.500
SPOFFS2 0.00 Hz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P3 7.70 usec
P4 15.40 usec
PCPD2 80.00 usec
PL2 1.00 dB
PL12 21.33 dB
PL2W 7.20289707 W
PL12W 0.06675860 W
SF02 500.1320005 MHz
SI 32768
SF 125.7577933 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

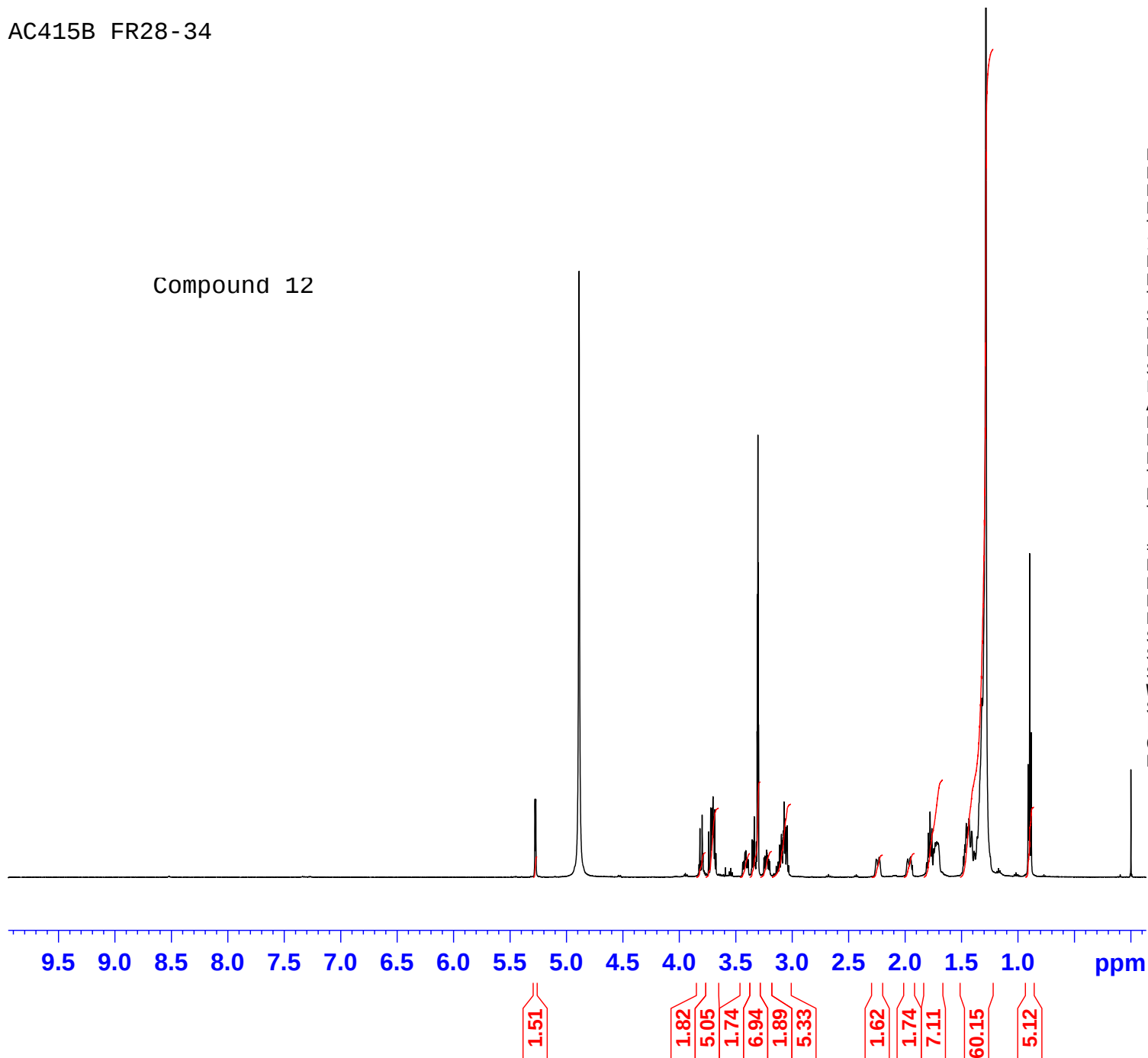
AC415B FR28-34

Compound 12



NAME AC415BFR28-34
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PROCNO 1
Date_ 20120413
Time 14.32
INSTRUM AV500
PROBHD 5 mm CPTXI 1H-
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
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RG 4
DW 48.400 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1

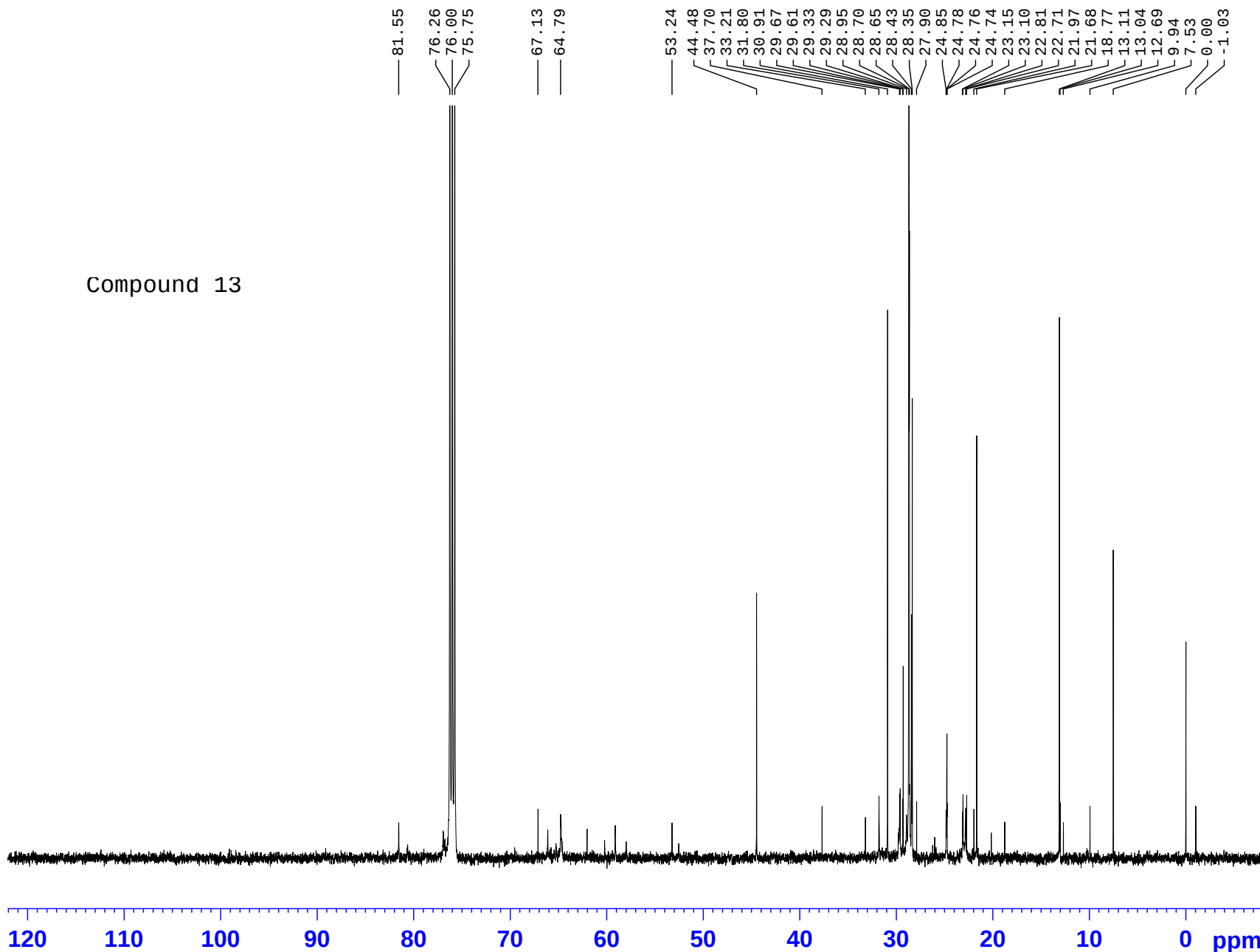
===== CHANNEL f1 =====
NUC1 1H
P1 7.70 usec
PL1 1.00 dB
PL1W 7.20289707 W
SF01 500.1330885 MHz
SI 32768
SF 500.1300134 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



N3 DEPRO
C13CPD6.d CDC13 {C:\Bruker\TOPSPIN} IG 5



Compound 13



NAME IG-AC-N3DEPRO 1
EXPNO 6
PROCNO 1
Date_ 20100519
Time 7.22
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 6144
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 295.1 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7579184 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

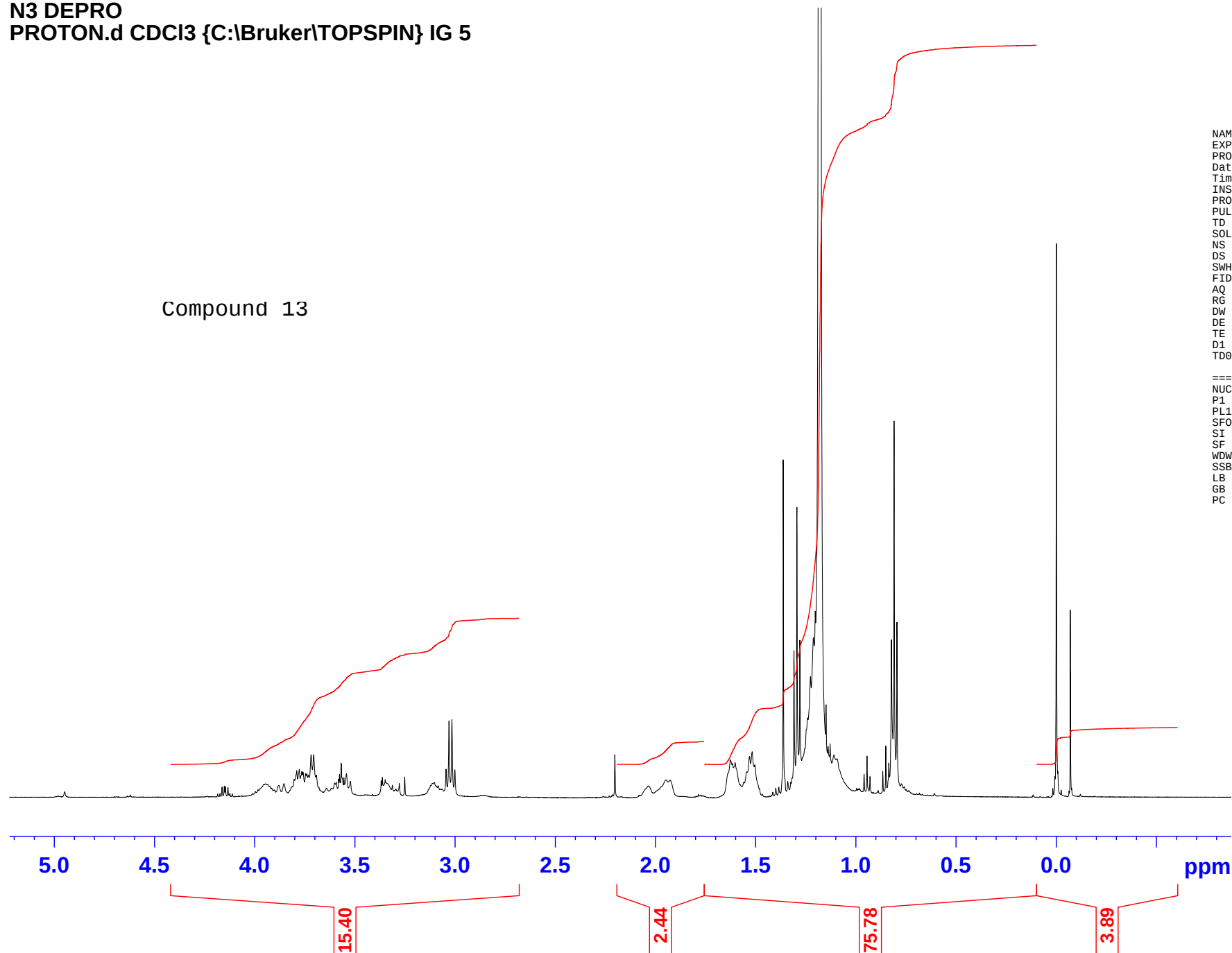
N3 DEPRO
PROTON.d CDC13 {C:\Bruker\TOPSPIN} IG 5



NAME IG-AC-N3DEPRO 1
EXPNO 1
PROCNO 1
Date_ 20100518
Time 10.45
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 181
DW 48.400 usec
DE 6.00 usec
TE 293.8 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300446 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40

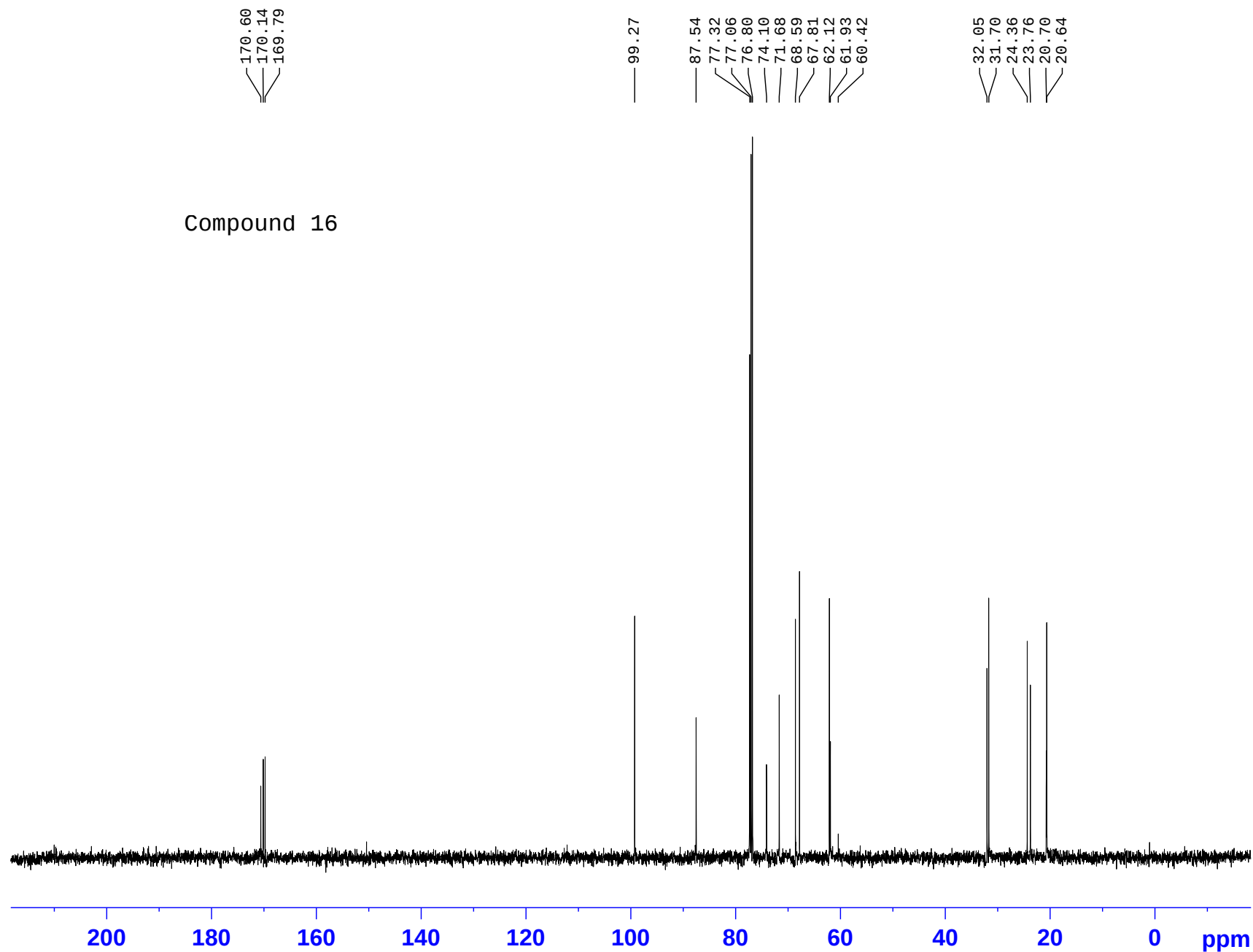
Compound 13



AC422 FR17-20
C13CPDfast.d CDCI3 {C:\Bruker\TOPSPIN} AC 18



Compound 16



```

NAME      AC-AC422F17-20
EXPNO     4
PROCNO    1
Date_     20101210
Time      12.20
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zgpg30
TD        16384
SOLVENT   CDCI3
NS         800
DS         4
SWH        29761.904 Hz
FIDRES     1.816522 Hz
AQ         0.2753012 sec
RG         2050
DW         16.800 usec
DE         6.00 usec
TE         293.0 K
D1         0.30000001 sec
d11        0.03000000 sec
DELTA     0.20000002 sec
TD0        1

===== CHANNEL f1 =====
NUC1       13C
P1         7.80 usec
PL1        0.00 dB
SF01       125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2    waltz16
NUC2       1H
PCPD2      80.00 usec
PL2        -1.00 dB
PL12       16.00 dB
PL13       16.00 dB
SF02       500.1320005 MHz
SI         8192
SF         125.7577890 MHz
WDW        EM
SSB        0
LB         1.00 Hz
GB         0
PC         1.40

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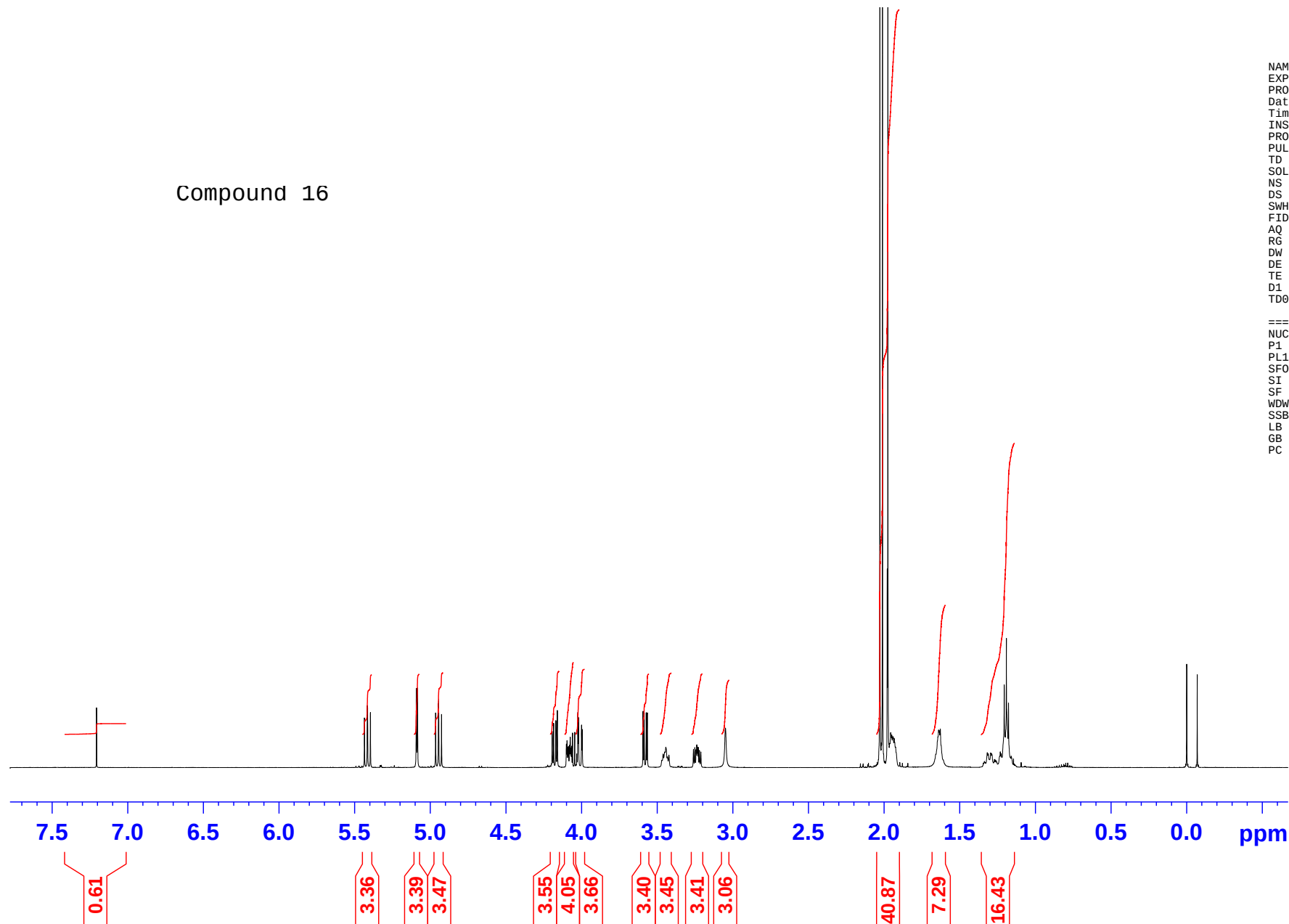
AC422 FR17-20
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 6



NAME AC-AC422F17-20
EXPNO 1
PROCNO 1
Date_ 20101210
Time 10.52
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 228
DW 48.400 usec
DE 6.00 usec
TE 291.9 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300407 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40

Compound 16



AC422 FR23-30
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 23

170.64
169.94
169.59

102.08

88.24
78.02
77.32
77.07
76.83
73.16
72.38
72.12
71.86
71.71
68.32
63.90
63.74
61.98
61.81
60.62

32.17
30.87
24.25
23.65
20.68
20.59

1.03

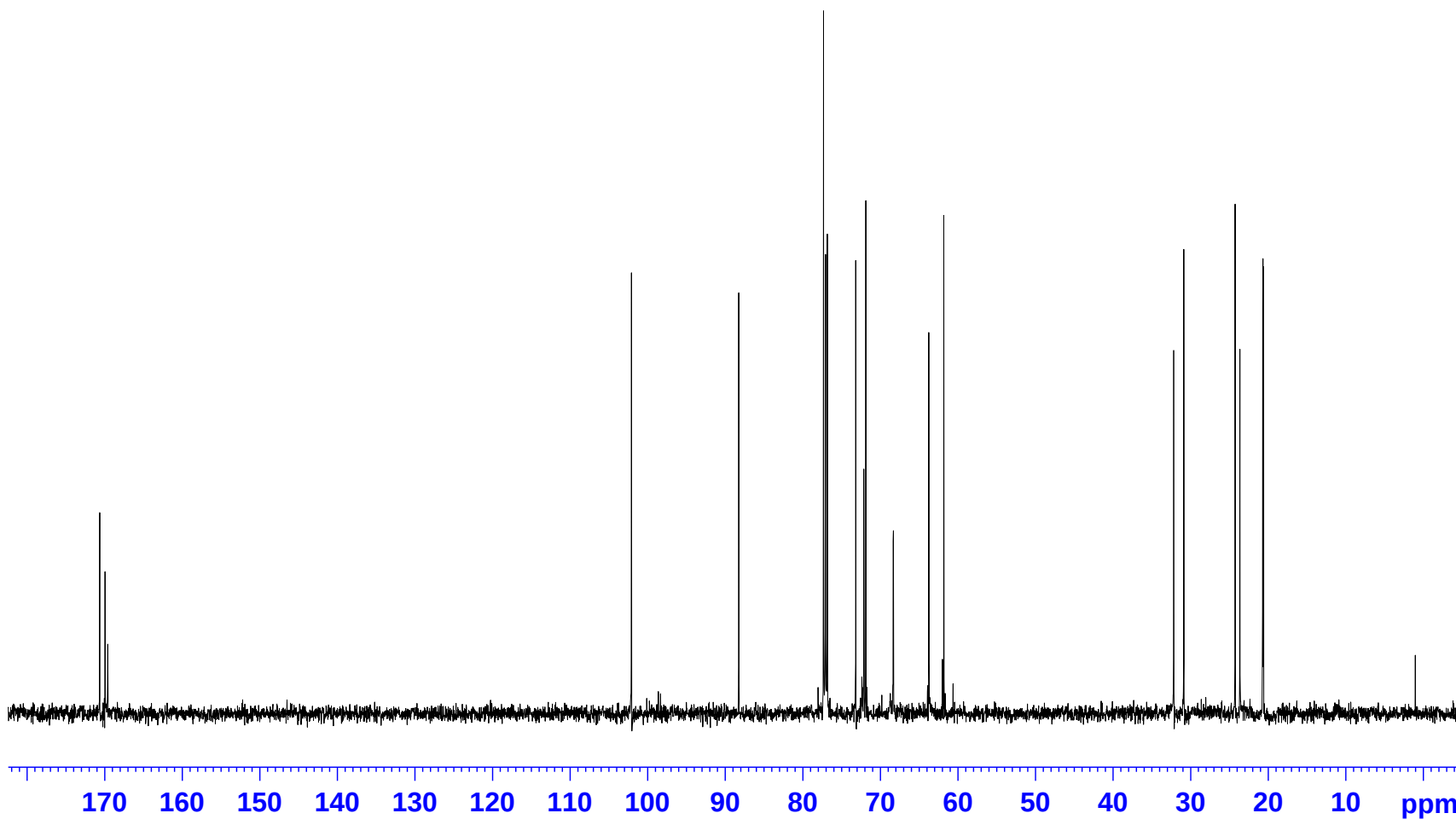


NAME AC-AC422F23-30
EXPNO 5
PROCNO 1
Date_ 20101210
Time 14.46
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCl3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 293.0 K
D1 0.3000001 sec
d11 0.0300000 sec
DELTA 0.2000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577866 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Compound 17



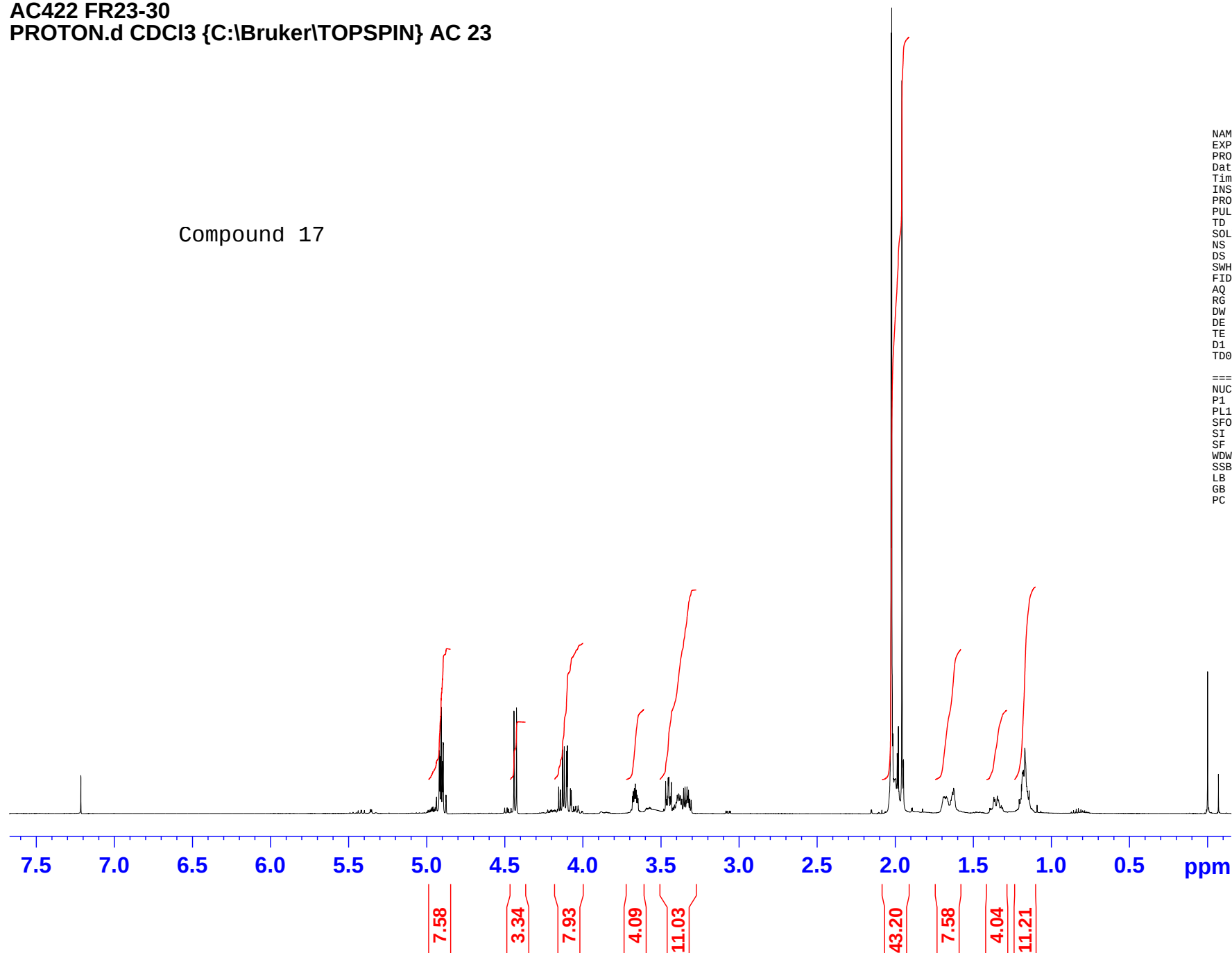
AC422 FR23-30
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 23

Compound 17



NAME AC-AC422F23-30
EXPNO 2
PROCNO 1
Date_ 20101210
Time 14.17
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 144
DW 48.400 usec
DE 6.00 usec
TE 292.1 K
D1 1.00000000 sec
TD0 1

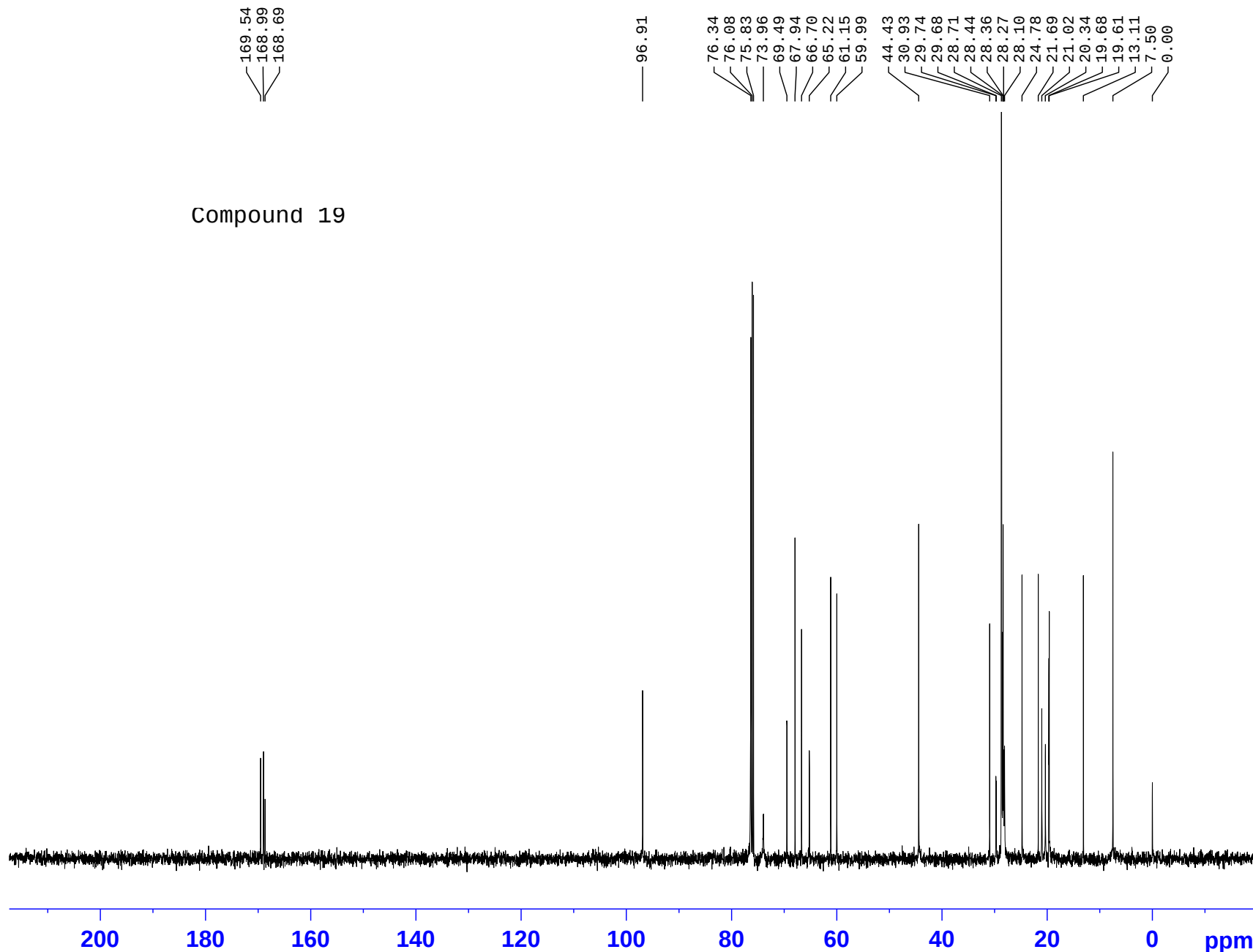
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300362 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC423 REPURIFIED
C13CPDfast.d CDC13 {C:\Bruker\TOPSPIN} AC 1



Compound 19



NAME AC-AC423R
EXPNO 5
PROCNO 1
Date_ 20110426
Time 10.12
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDC13
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7579114 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

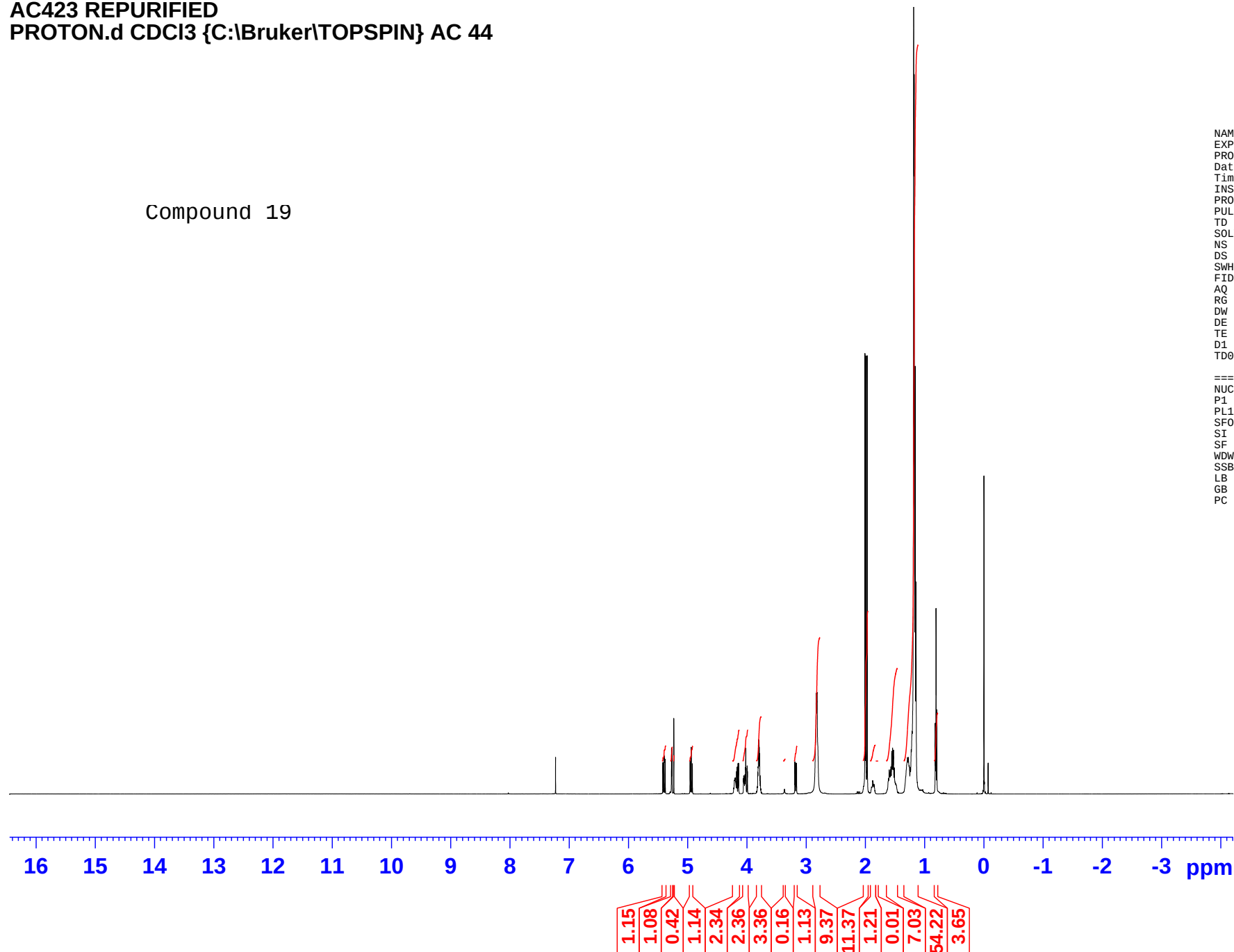
AC423 REPURIFIED
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 44

Compound 19



NAME AC-AC423R
EXPNO 1
PROCNO 1
Date_ 20110425
Time 16.26
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 57
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300276 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC424
C13CPDfast.d MeOD {C:\Bruker\TOPSPIN} AC 52



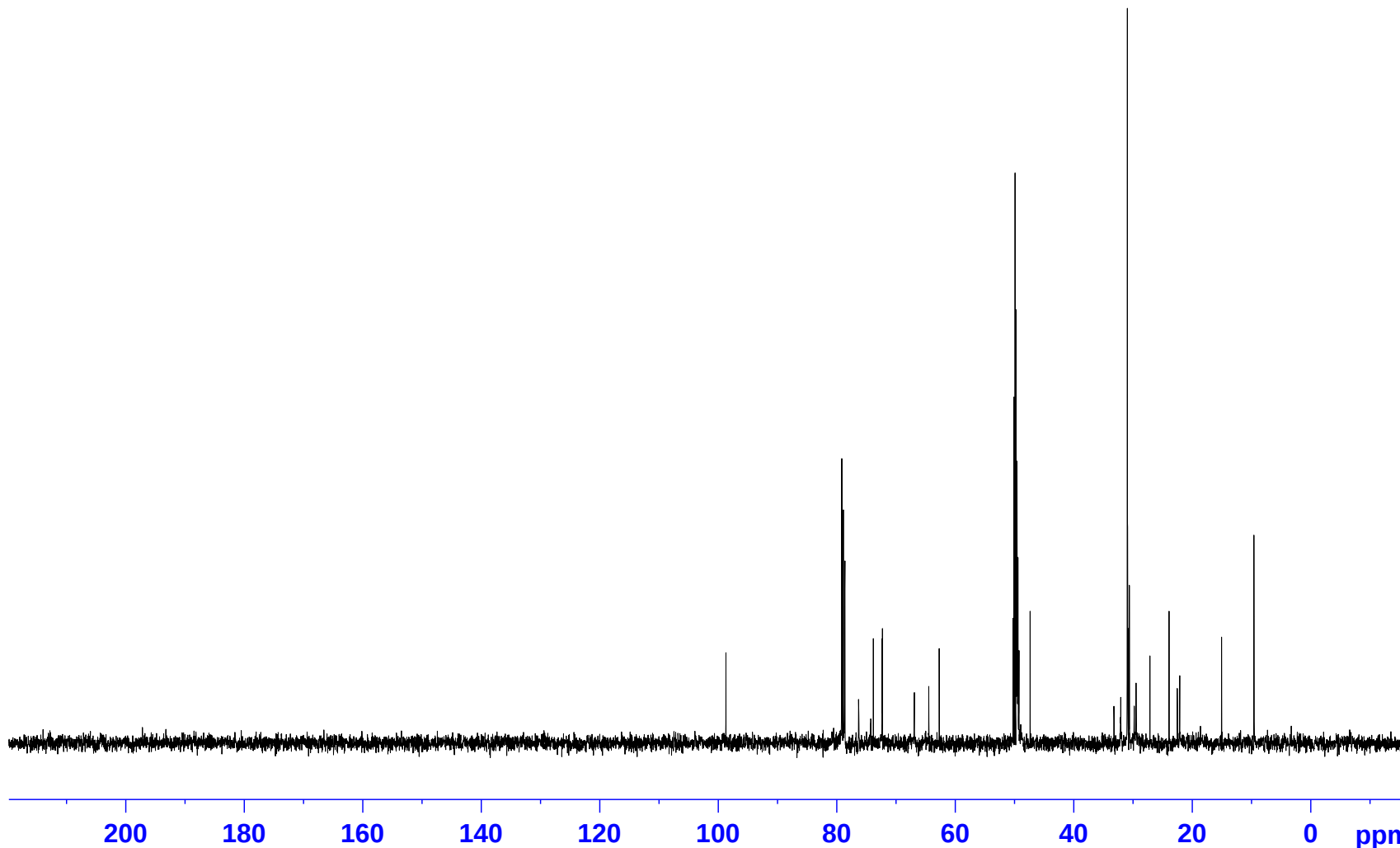
Compound 20

98.70
79.14
78.89
78.63
76.31
74.25
73.83
72.35
72.30
66.90
64.46
62.70
50.25
50.08
49.91
49.73
49.57
49.41
49.25
47.36
33.20
32.06
30.95
30.69
30.61
29.79
29.48
27.14
23.91
22.51
22.12
15.04
9.58

NAME AC-AC424
EXPNO 4
PROCNO 1
Date_ 20110505
Time 15.51
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT MeOD
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7576104 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



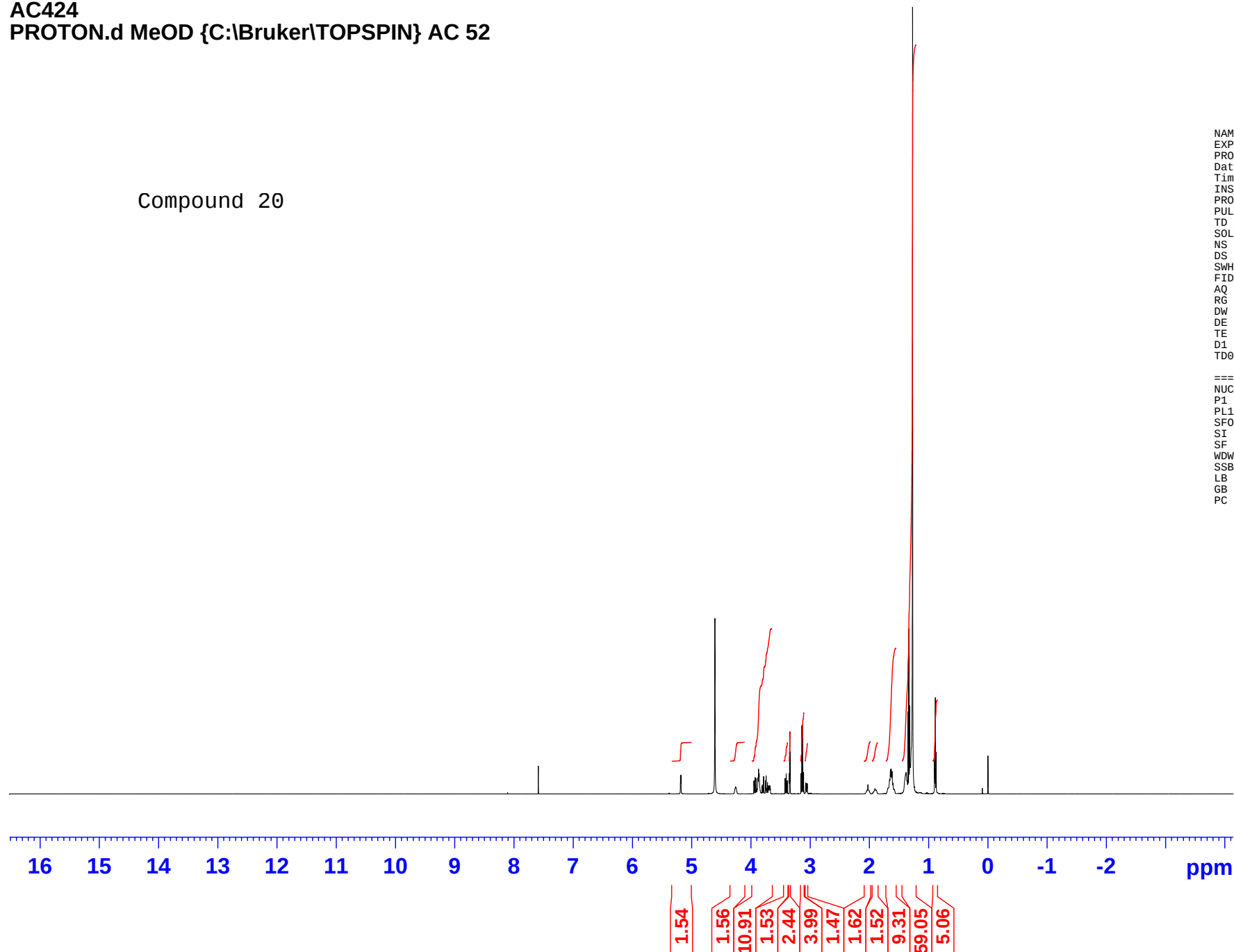
AC424
PROTON.d MeOD {C:\Bruker\TOPSPIN} AC 52

Compound 20



NAME AC-AC424
EXPNO 2
PROCNO 1
Date_ 20110505
Time 15.31
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 203
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1299937 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC425FR2-6
C13CPDfast.d MeOD {C:\Bruker\TOPSPIN} AC 1



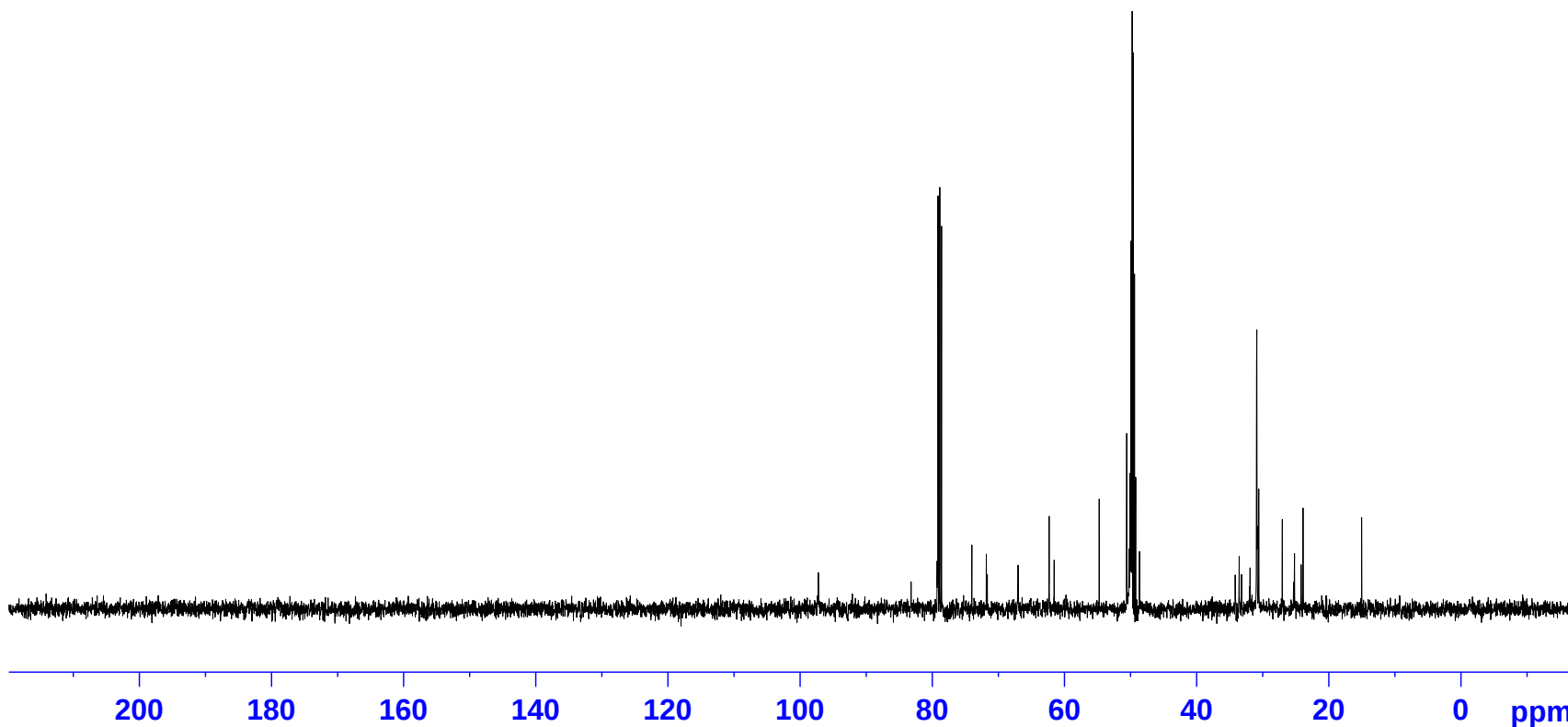
Compound 21

97.25
83.22
79.28
79.14
78.88
78.62
74.03
71.83
71.69
67.04
62.33
61.58
54.76
50.60
50.26
50.09
49.93
49.76
49.59
49.42
49.24
48.66
34.18
33.59
33.21
31.94
30.91
30.61
27.06
25.33
25.21
24.19
23.91
15.04

NAME AC-AC425FR2
EXPNO 5
PROCNO 1
Date_ 20110516
Time 10.18
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT MeOD
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7576104 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



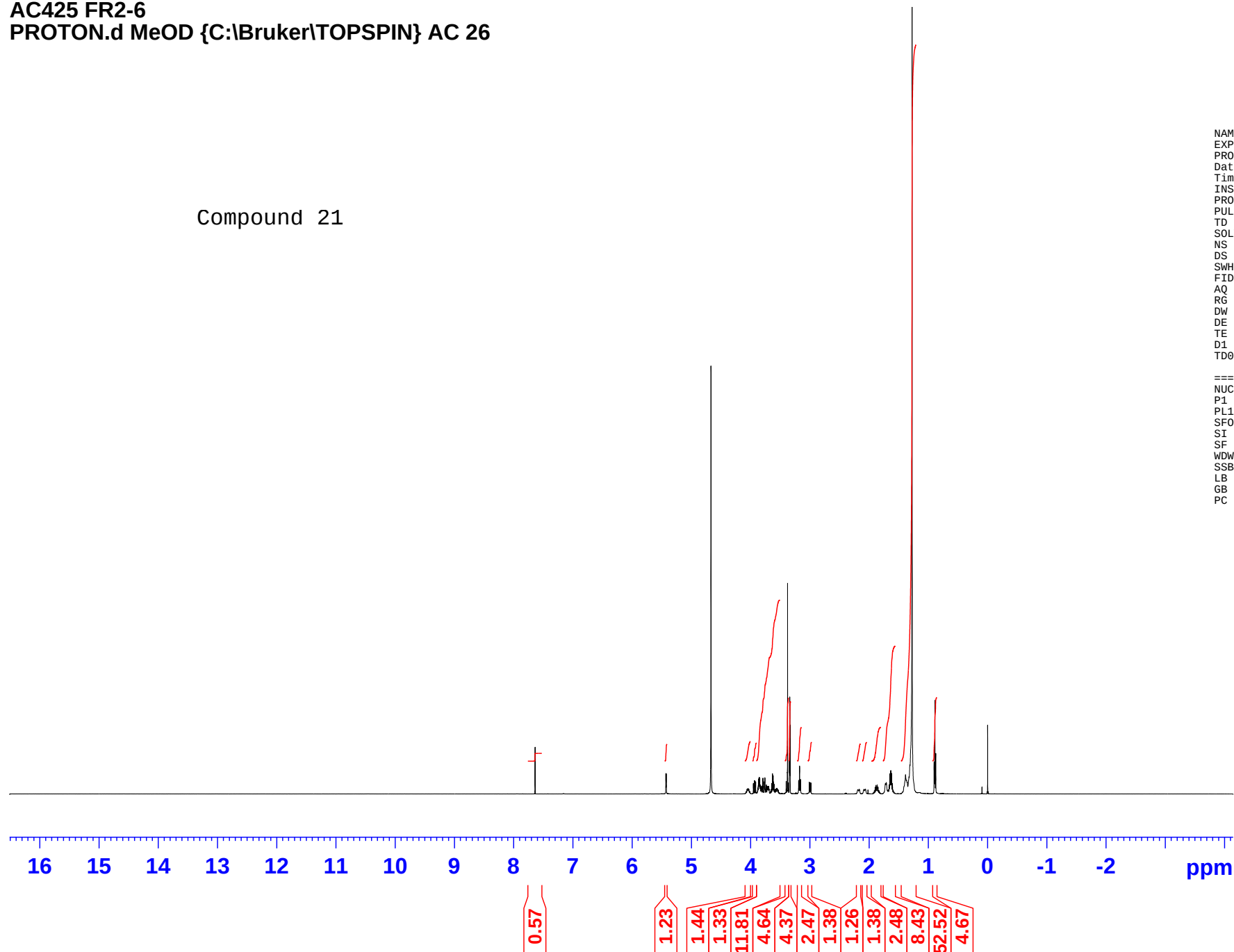
AC425 FR2-6
PROTON.d MeOD {C:\Bruker\TOPSPIN} AC 26

Compound 21



NAME AC-AC425FR2
EXPNO 1
PROCNO 1
Date_ 20110513
Time 16.02
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 287
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1299962 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC427

170.63
170.06
169.73

Compound 22

97.95

79.74
77.29
77.04
76.78
70.47
68.74
67.66
62.06
60.96

32.51
25.90
22.87
22.08
20.72
20.66
18.04
11.45

-4.14
-4.89



NAME AC-AC427
EXPNO 2
PROCNO 1
Date_ 20110530
Time 14.56
INSTRUM AV500
PROBHD 5 mm CPTXI 1H-
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 256
DS 2
SWH 30030.029 Hz
FIDRES 0.458222 Hz
AQ 1.0912410 sec
RG 23170.5
DW 16.650 usec
DE 30.00 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 14.00 usec
PL1 -4.10 dB
PL1W 105.88729095 W
SF01 125.7703643 MHz

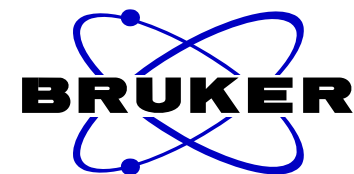
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 1.00 dB
PL12 21.33 dB
PL13 120.00 dB
PL2W 7.20289707 W
PL12W 0.06675860 W
PL13W 0.00000000 W
SF02 500.1320005 MHz
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40



200 180 160 140 120 100 80 60 40 20 0 ppm

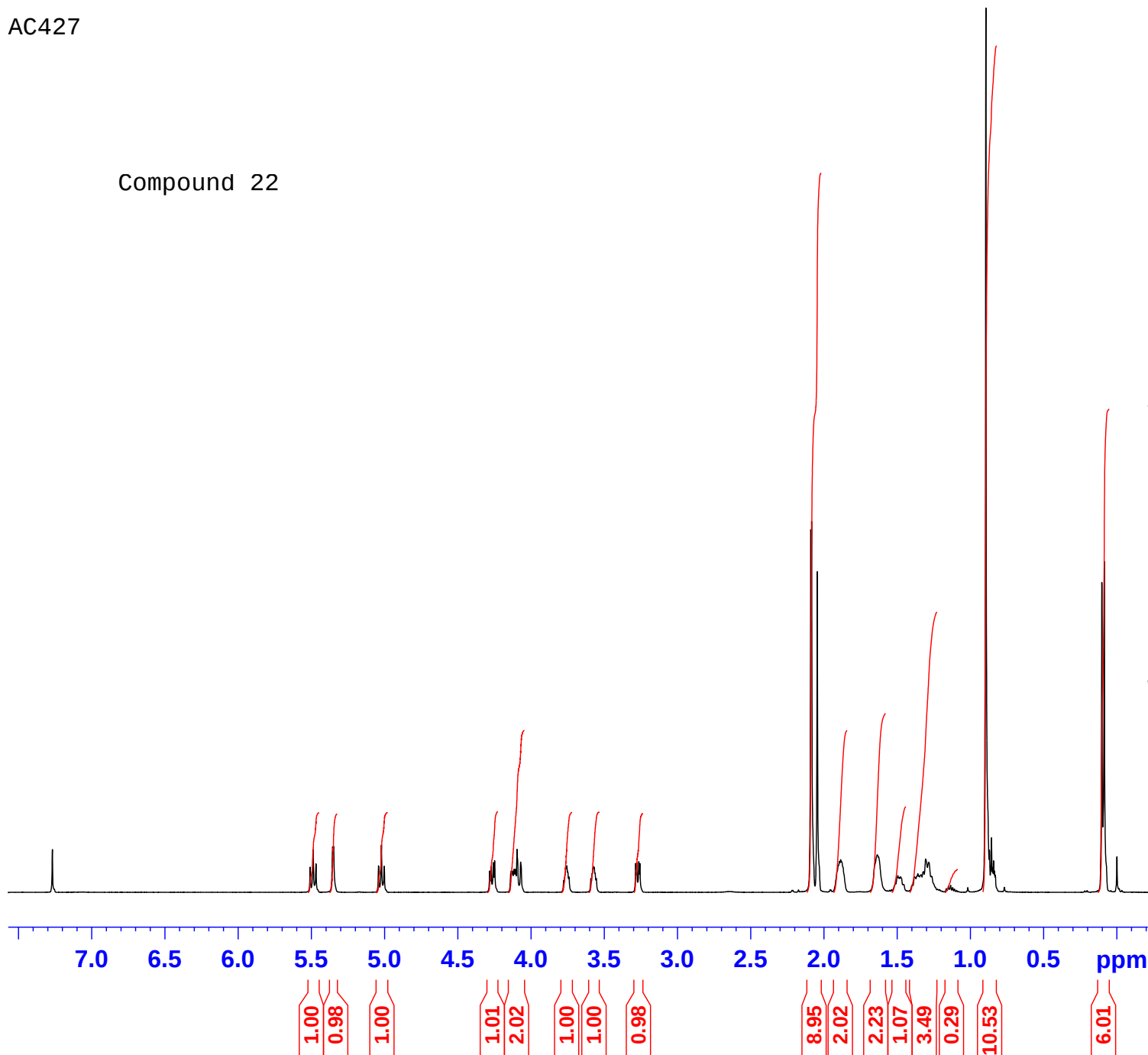
AC427

Compound 22



NAME AC-AC427
EXPNO 1
PROCNO 1
Date_ 20110530
Time 14.42
INSTRUM AV500
PROBHD 5 mm CPTXI 1H-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1720407 sec
RG 4
DW 48.400 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 7.70 usec
PL1 1.00 dB
PL1W 7.20289707 W
SF01 500.1330885 MHz
SI 32768
SF 500.1300093 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



AC429
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 15



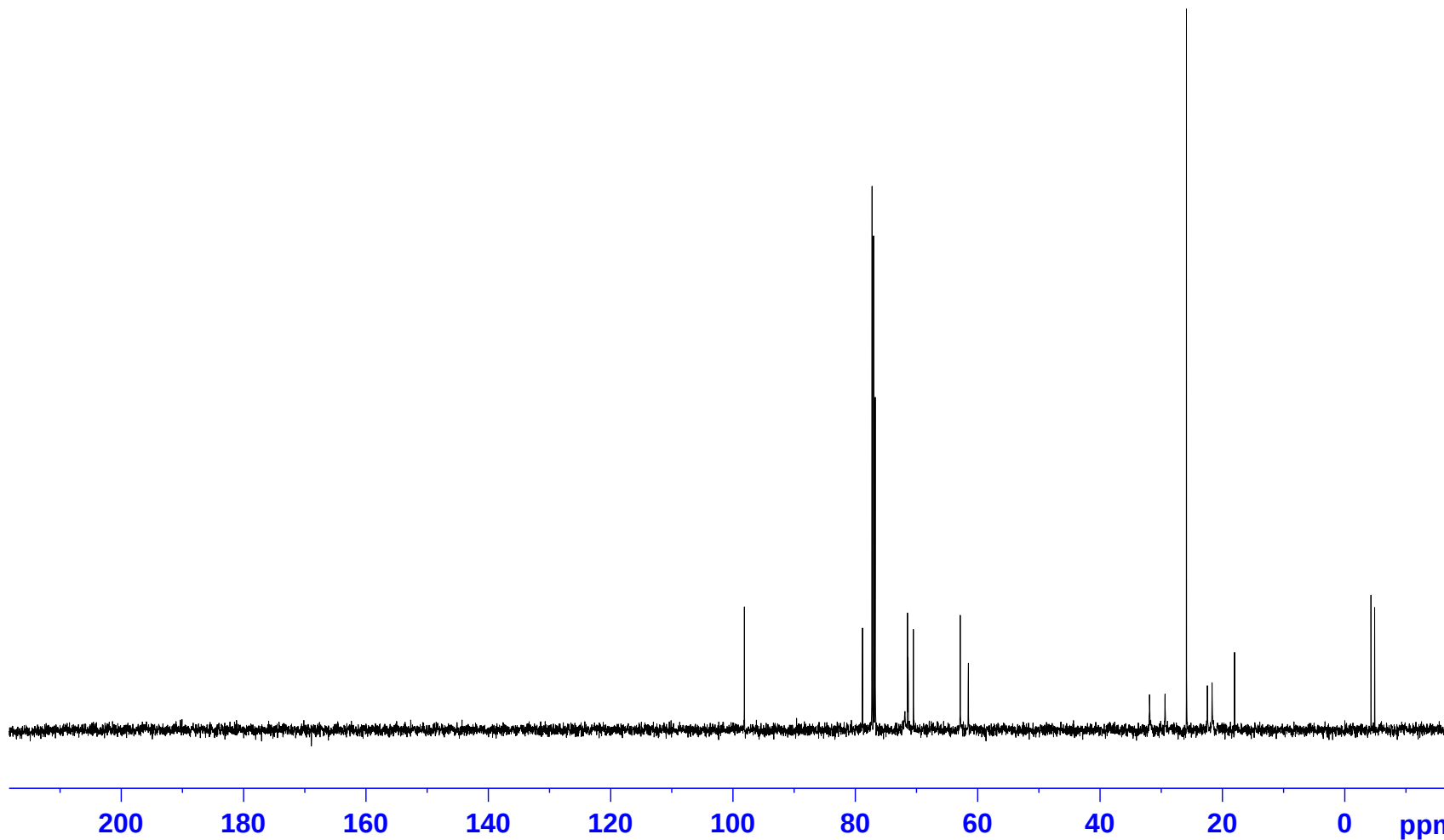
Compound 23

98.15
78.85
77.29
77.03
76.77
71.92
71.48
71.39
70.53
62.87
61.55
31.93
29.40
25.90
22.47
21.70
18.04
-4.27
-4.87

NAME AC-AC429
EXPNO 5
PROCNO 1
Date_ 20110621
Time 10.50
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCl3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.9 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



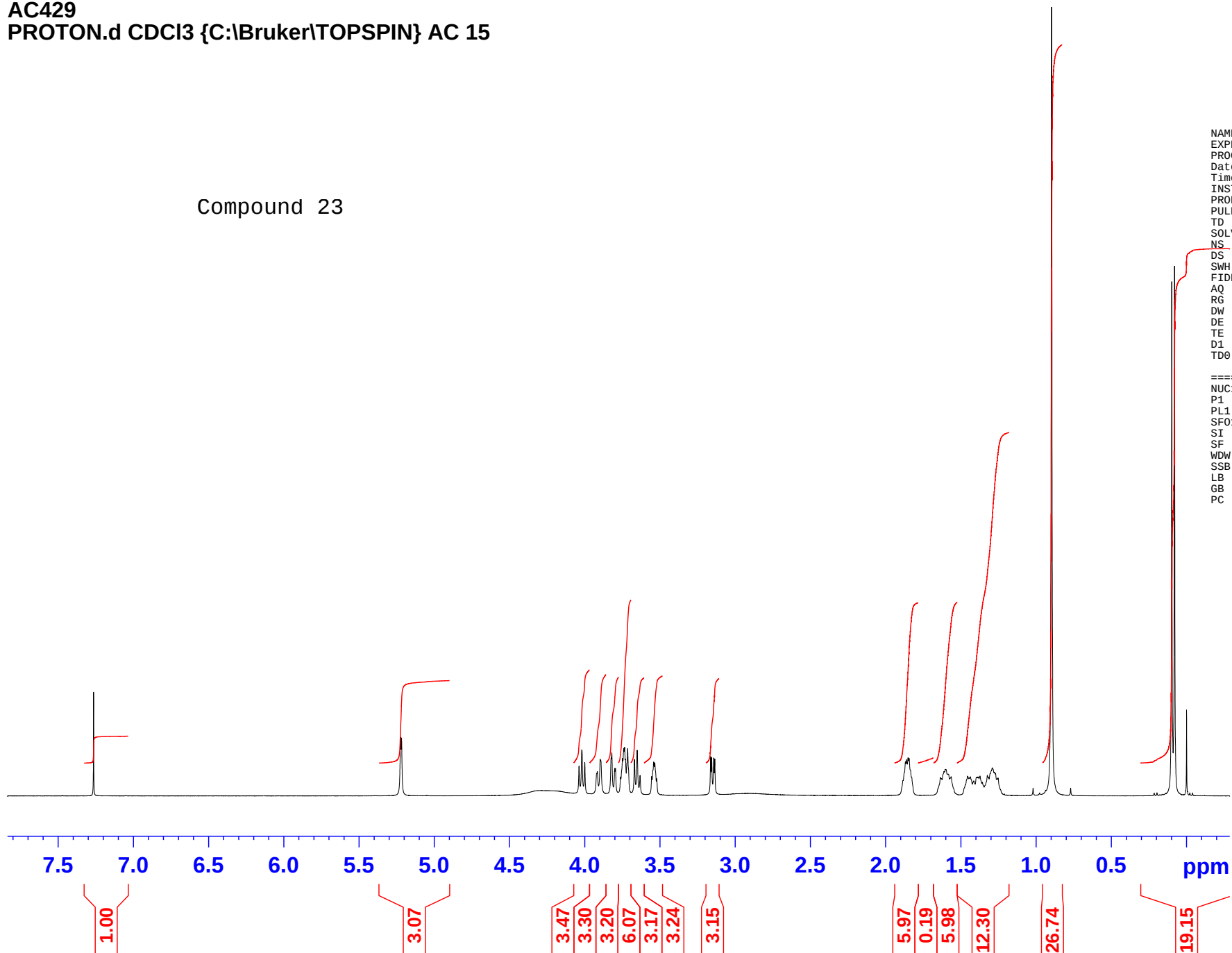
AC429
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 15

Compound 23



NAME AC-AC429
EXPNO 3
PROCNO 1
Date_ 20110621
Time 10.30
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 228
DW 48.400 usec
DE 6.00 usec
TE 294.1 K
D1 1.00000000 sec
TD0 1

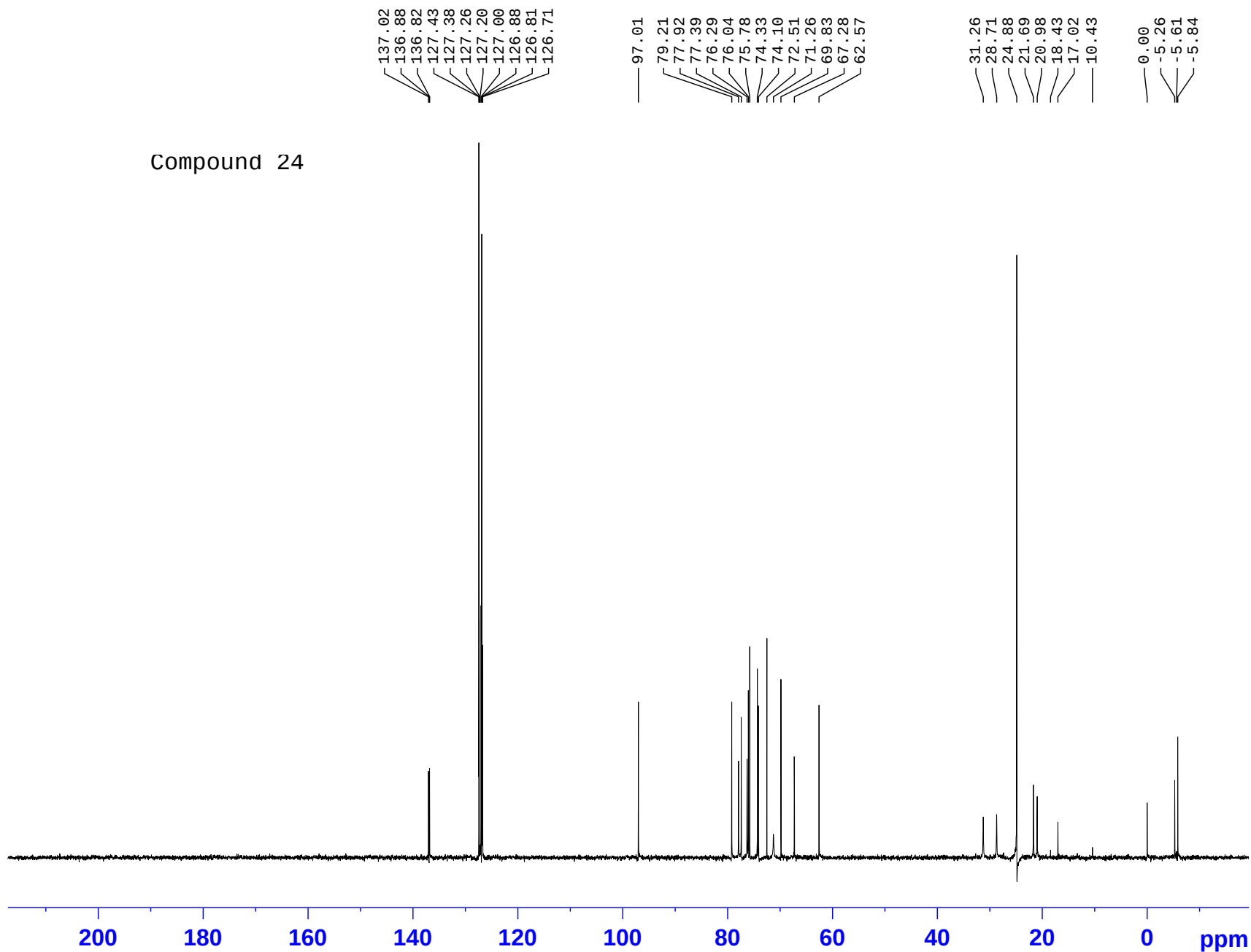
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300115 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC431
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 2



Compound 24



```

NAME          AC-AC431
EXPNO         4
PROCNO        1
Date_         20110706
Time          10.21
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgpg30
TD            16384
SOLVENT       CDCl3
NS            800
DS            4
SWH           29761.904 Hz
FIDRES        1.816522 Hz
AQ            0.2753012 sec
RG            2050
DW            16.800 usec
DE            6.00 usec
TE            295.2 K
D1            0.30000001 sec
d11           0.03000000 sec
DELTA         0.20000002 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            8.18 usec
PL1           0.00 dB
SF01          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           -1.00 dB
PL12          16.00 dB
PL13          16.00 dB
SF02          500.1320005 MHz
SI            8192
SF            125.7579247 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.40
  
```

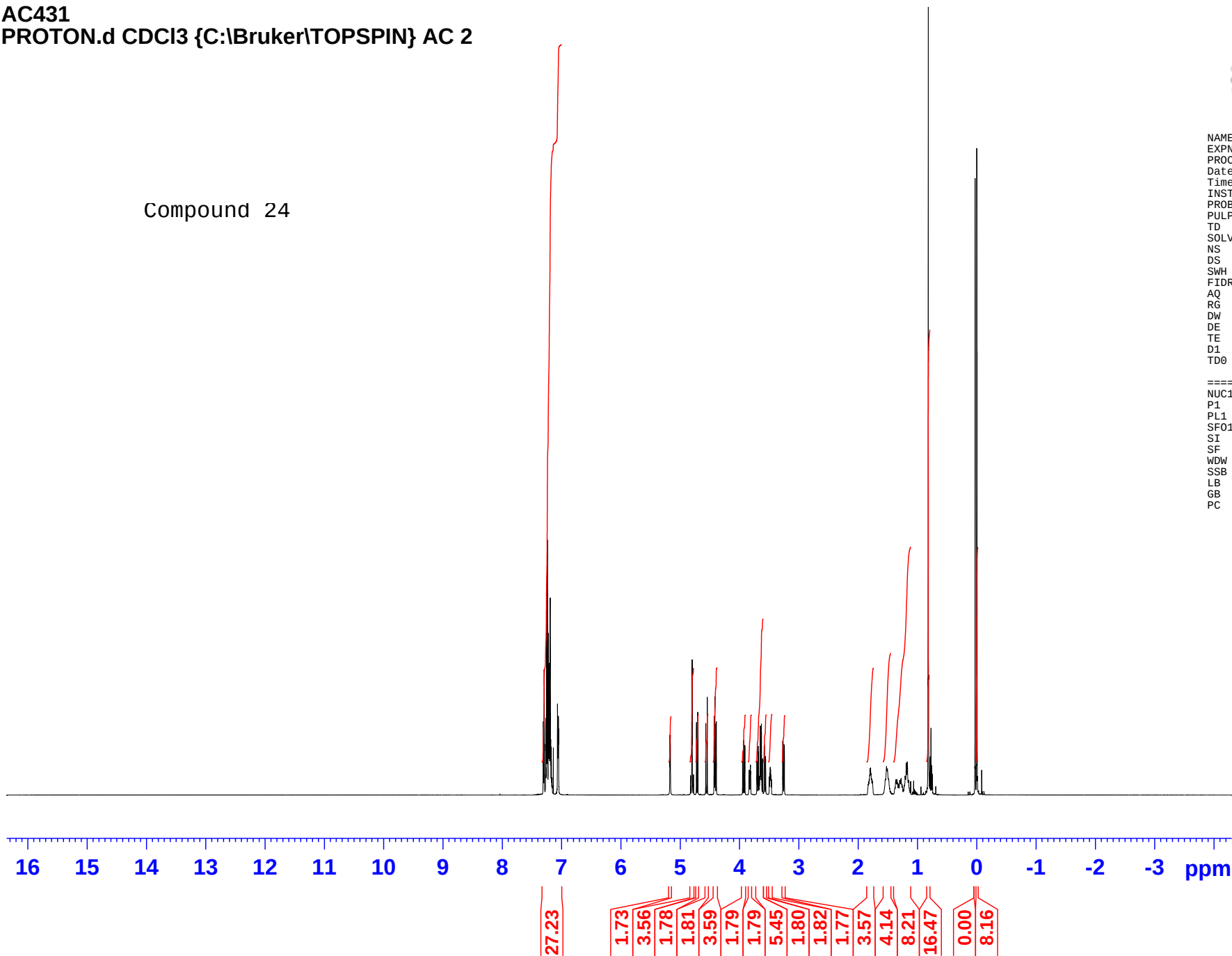
AC431
PROTON.d CDC13 {C:\Bruker\TOPSPIN} AC 2

Compound 24



NAME AC-AC431
EXPNO 2
PROCNO 1
Date_ 20110706
Time 10.01
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 50.8
DW 48.400 usec
DE 6.00 usec
TE 294.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300735 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC434
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 1



Compound 25

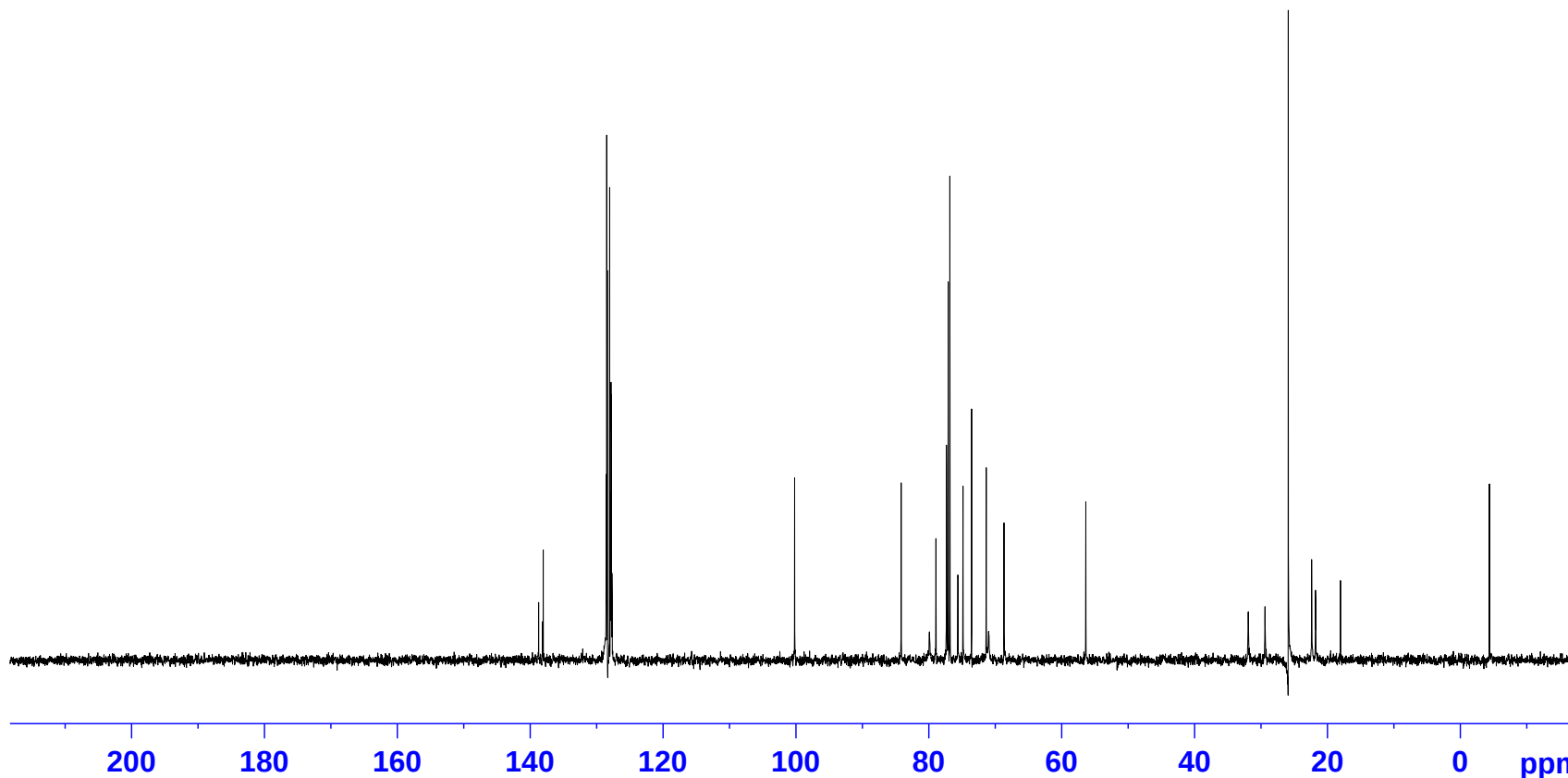
138.74
138.14
138.04
128.56
128.48
128.40
128.05
127.94
127.84
127.80
127.69

100.20

84.16
79.92
78.93
77.34
77.09
76.83
75.63
74.86
73.56
71.37
71.00
68.68
56.37

31.92
29.40
25.89
22.37
21.78
18.04

-4.35
-4.41



```

NAME          AC-AC424
EXPNO         11
PROCNO        1
Date_         20110729
Time          9.51
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgpg30
TD            16384
SOLVENT       CDCl3
NS            800
DS            4
SWH           29761.904 Hz
FIDRES        1.816522 Hz
AQ            0.2753012 sec
RG            2050
DW            16.800 usec
DE            6.00 usec
TE            294.9 K
D1            0.30000001 sec
d11           0.03000000 sec
DELTA         0.20000002 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            8.18 usec
PL1           0.00 dB
SF01          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           -1.00 dB
PL12          16.00 dB
PL13          16.00 dB
SF02          500.1320005 MHz
SI            8192
SF            125.7577890 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.40

```

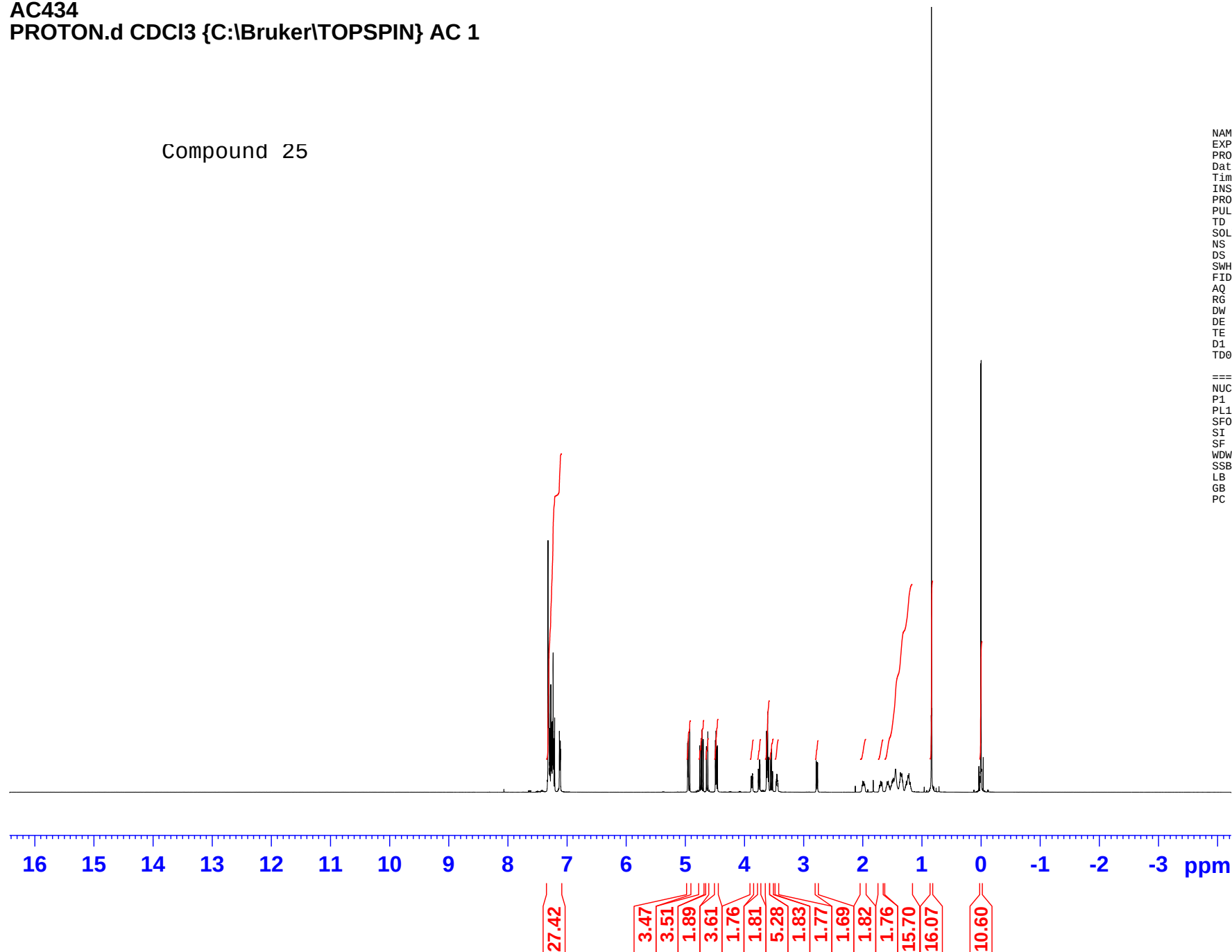
AC434
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 1

Compound 25



NAME AC-AC424
EXPNO 9
PROCNO 1
Date_ 20110729
Time 9.31
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 71.8
DW 48.400 usec
DE 6.00 usec
TE 294.0 K
D1 1.00000000 sec
TD0 1

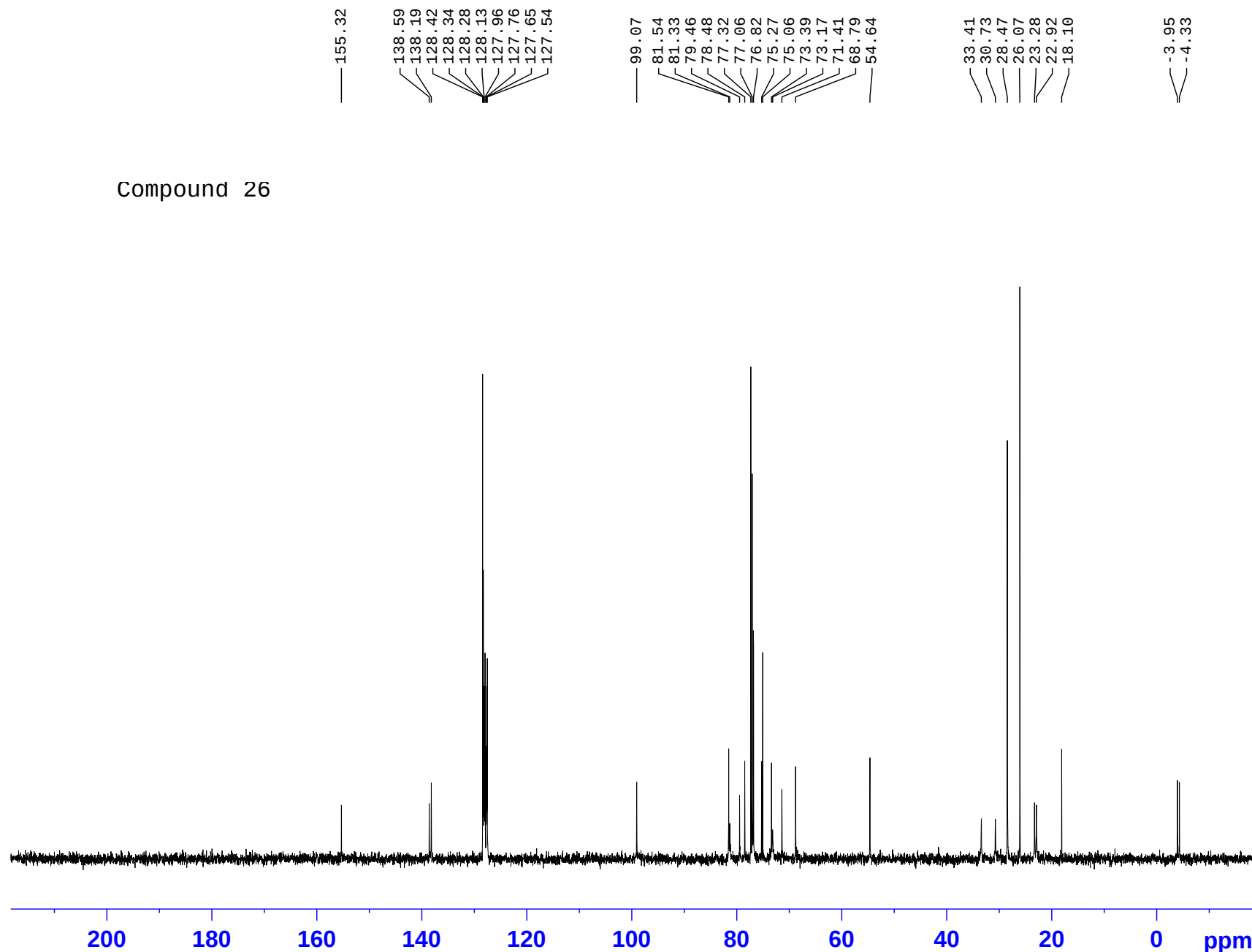
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300380 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC435
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 31



Compound 26



```

NAME          AC-AC435
EXPNO         4
PROCNO        1
Date_         20110808
Time          14.12
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgpg30
TD            16384
SOLVENT       CDCl3
NS            800
DS            4
SWH           29761.904 Hz
FIDRES        1.816522 Hz
AQ            0.2753012 sec
RG            2050
DW            16.800 usec
DE            6.00 usec
TE            295.3 K
D1            0.30000001 sec
d11           0.03000000 sec
DELTA         0.20000002 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            8.18 usec
PL1           0.00 dB
SF01          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           -1.00 dB
PL12          16.00 dB
PL13          16.00 dB
SF02          500.1320005 MHz
SI            8192
SF            125.7577890 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.40
  
```

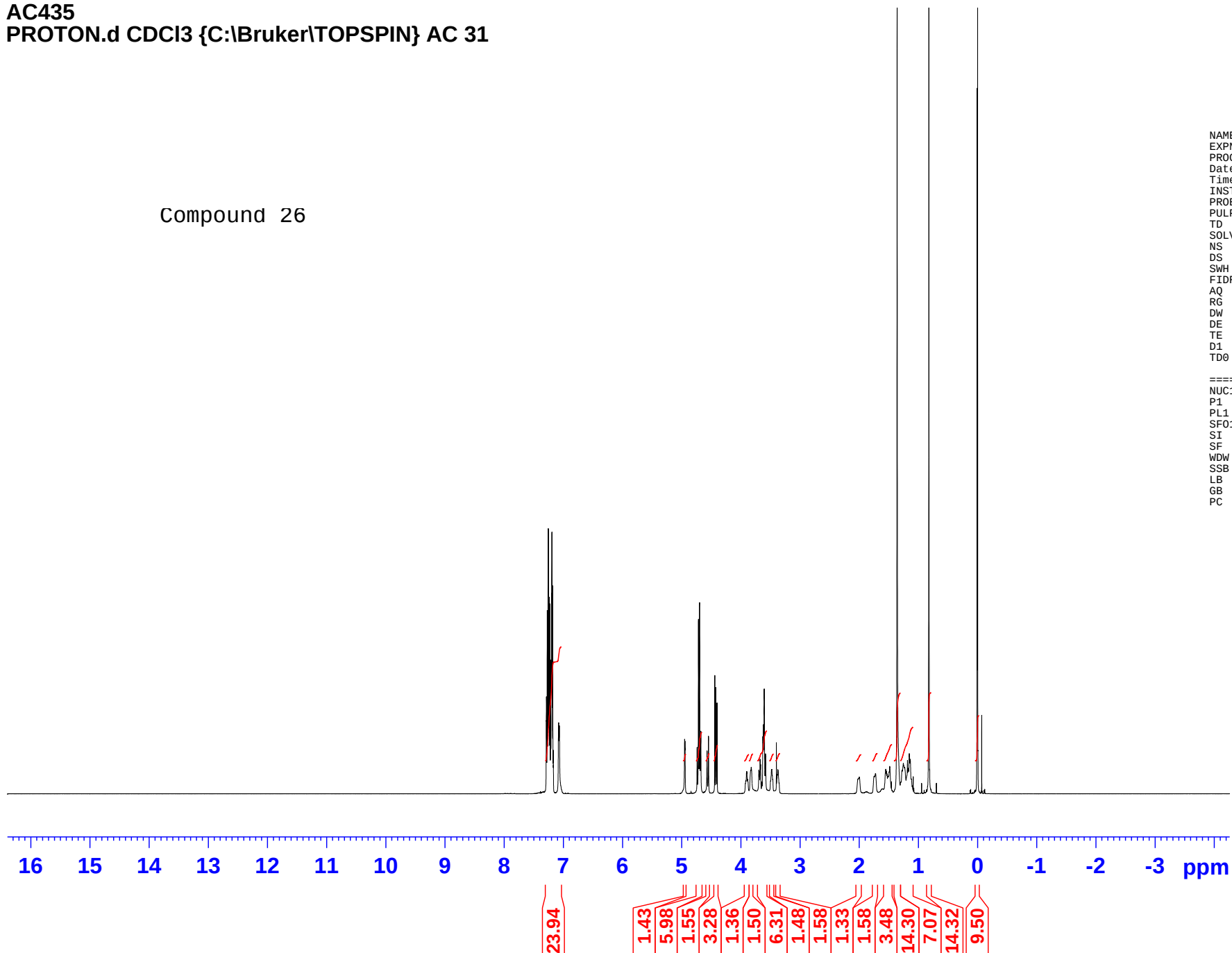
AC435
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 31

Compound 26



NAME AC-AC435
EXPNO 2
PROCNO 1
Date_ 20110808
Time 13.52
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 71.8
DW 48.400 usec
DE 6.00 usec
TE 294.4 K
D1 1.00000000 sec
TD0 1

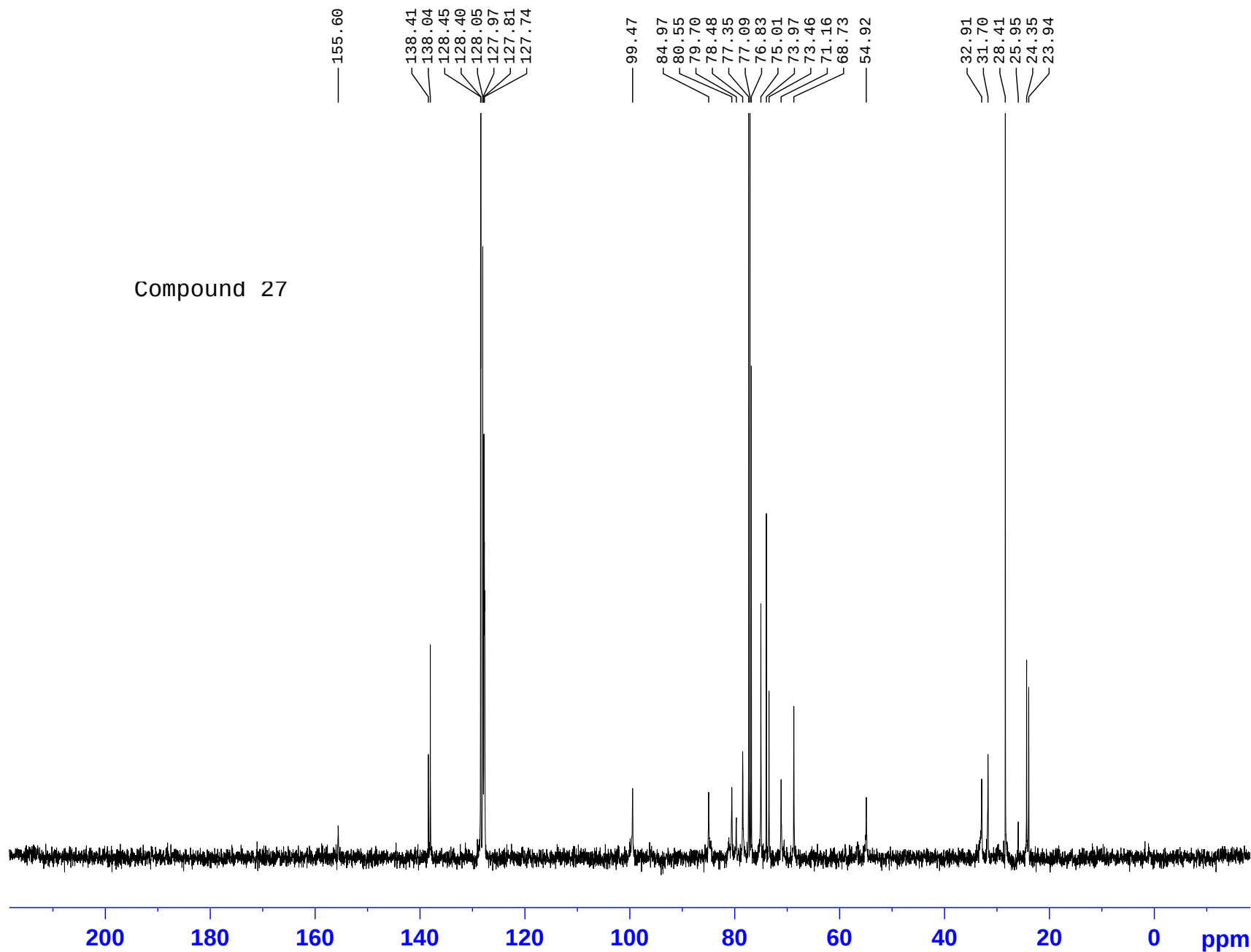
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300542 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC442 SCALE UP
C13CPDfast.d CDCI3 {C:\Bruker\TOPSPIN} AC 2



Compound 27



NAME AC-AC442
EXPNO 8
PROCNO 1
Date_ 20111020
Time_ 10.21
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCI3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 295.1 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

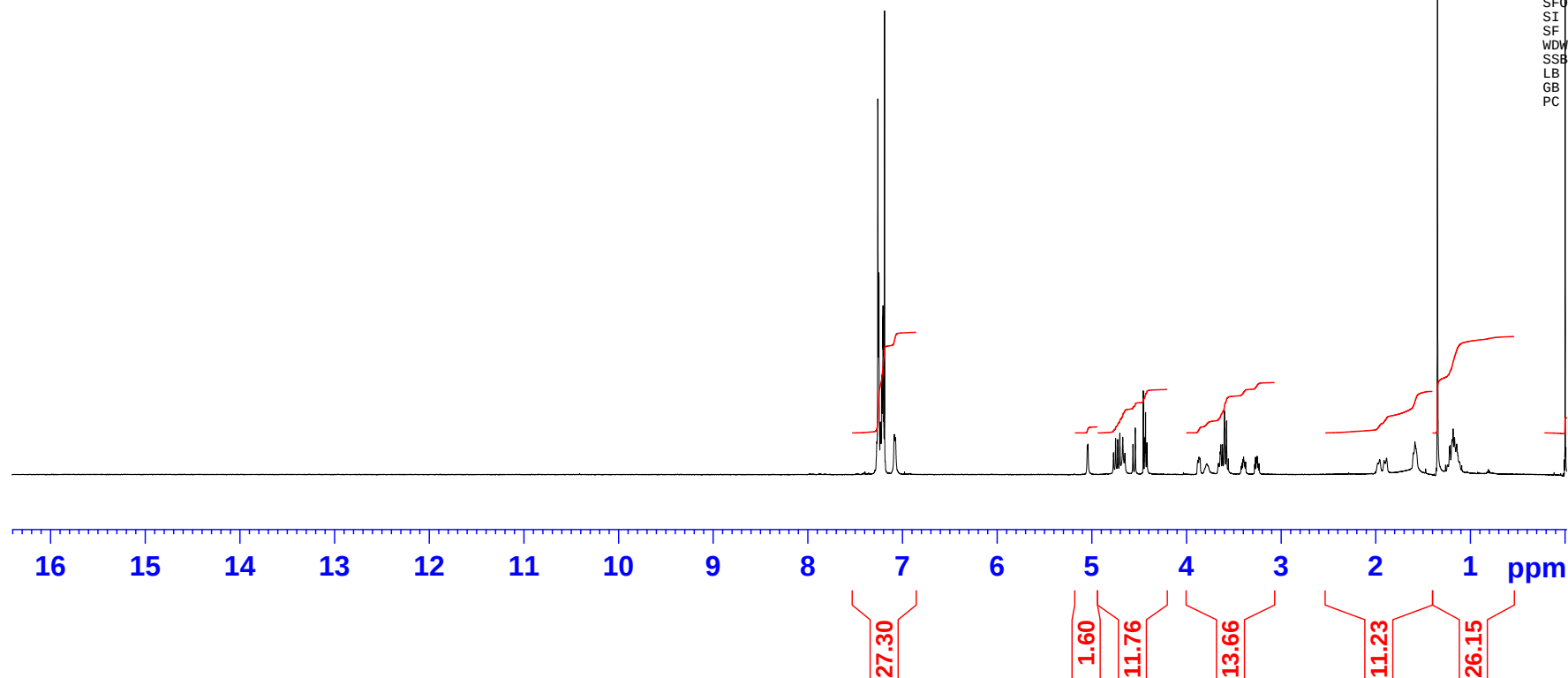
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

AC442
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 1

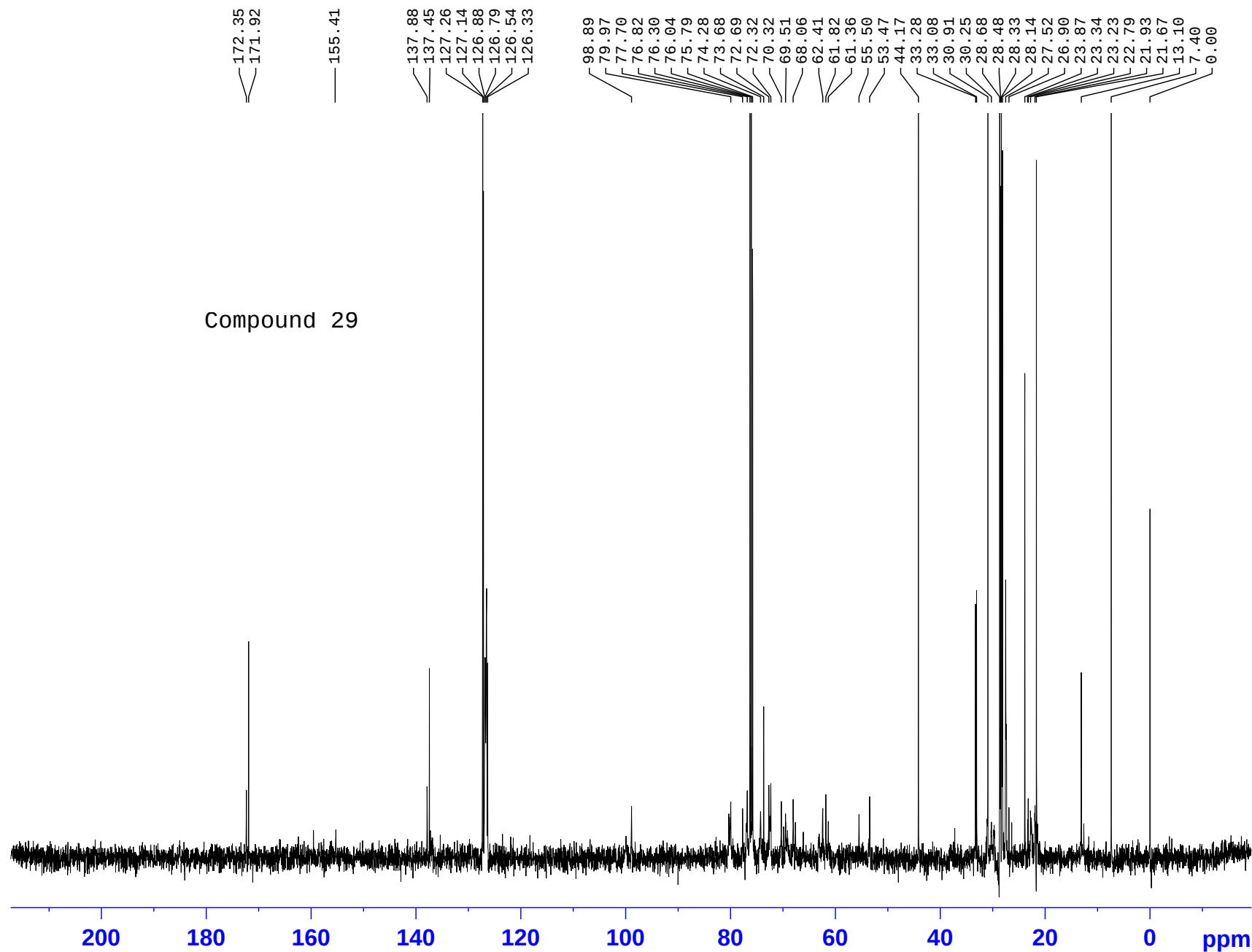
Compound 27



NAME AC-AC442
EXPNO 2
PROCNO 1
Date_ 20111011
Time 9.48
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 512
DW 48.400 usec
DE 6.00 usec
TE 294.1 K
D1 1.00000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300482 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC443
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 25



NAME AC-AC443
EXPNO 5
PROCNO 1
Date_ 20111028
Time 11.35
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCl3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 298.2 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7579175 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

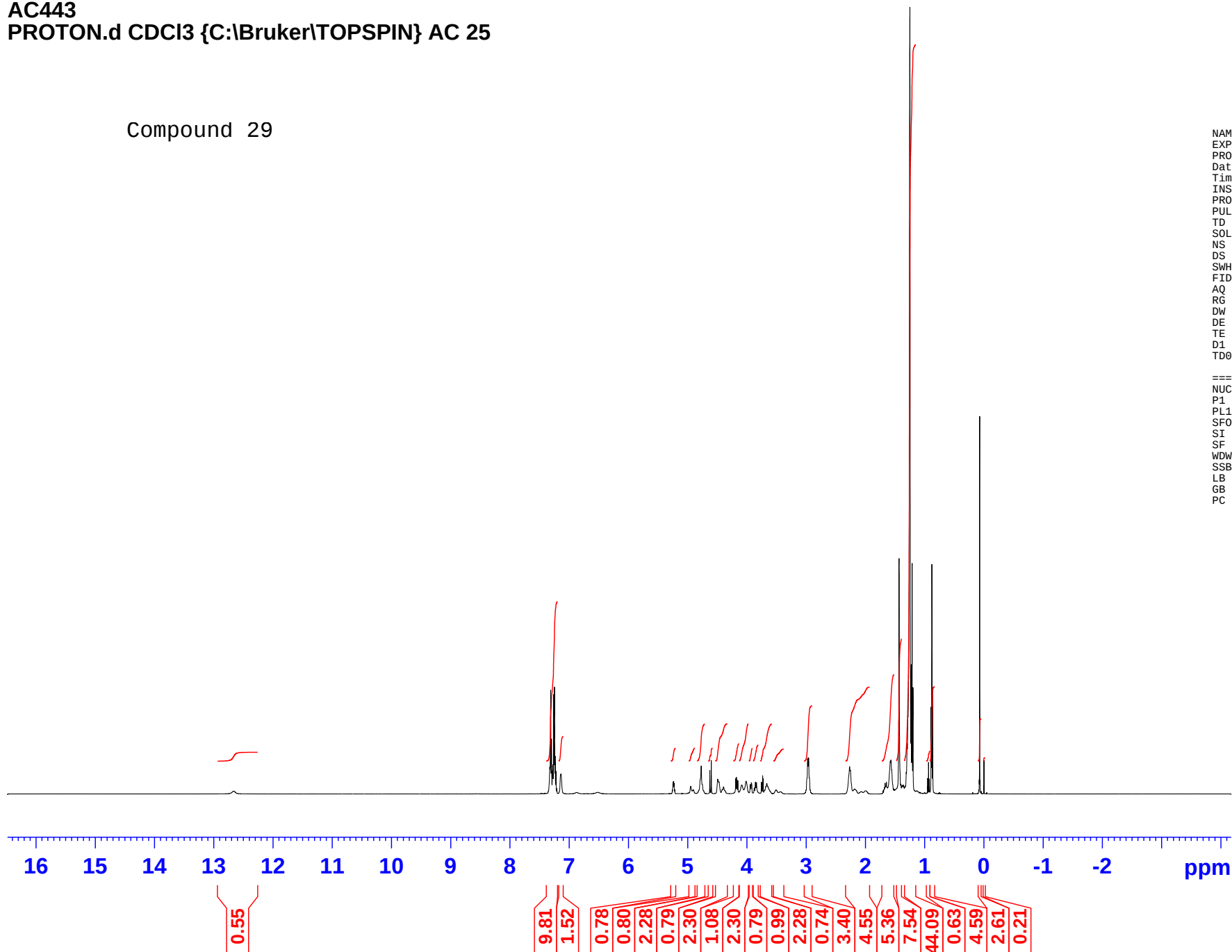
AC443
PROTON.d CDC13 {C:\Bruker\TOPSPIN} AC 25

Compound 29



NAME AC-AC443
EXPNO 3
PROCNO 1
Date_ 20111028
Time 11.16
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 50.8
DW 48.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

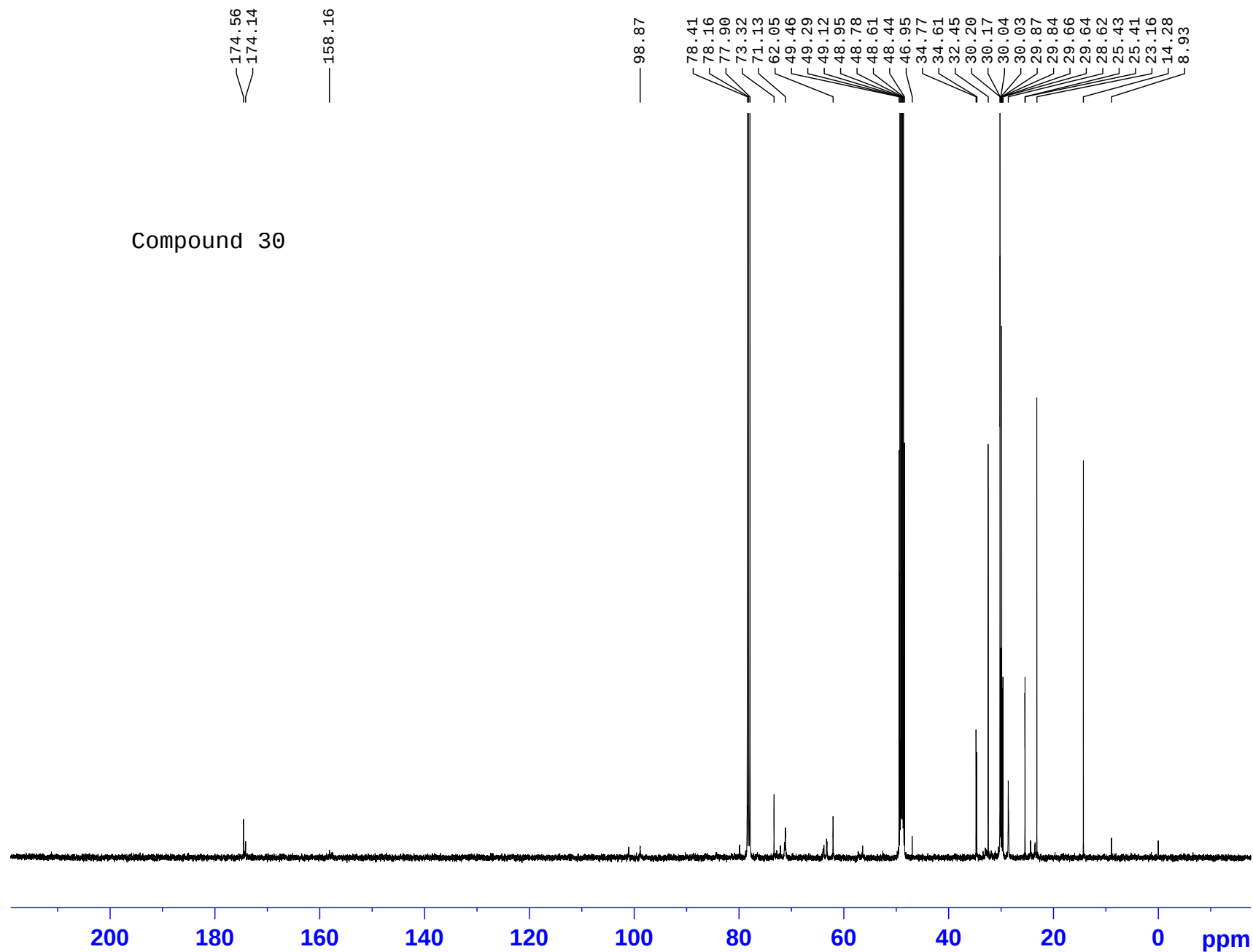
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300103 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC446
C13CPDlong.d MeOD {C:\Bruker\TOPSPIN} AC 10



Compound 30



NAME AC-AC446
EXPNO 7
PROCNO 1
Date_ 20111123
Time_ 20.02
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT MeOD
NS 6144
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 295.3 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 24

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577079 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

SG7 FRACTIONS 3-7
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 4



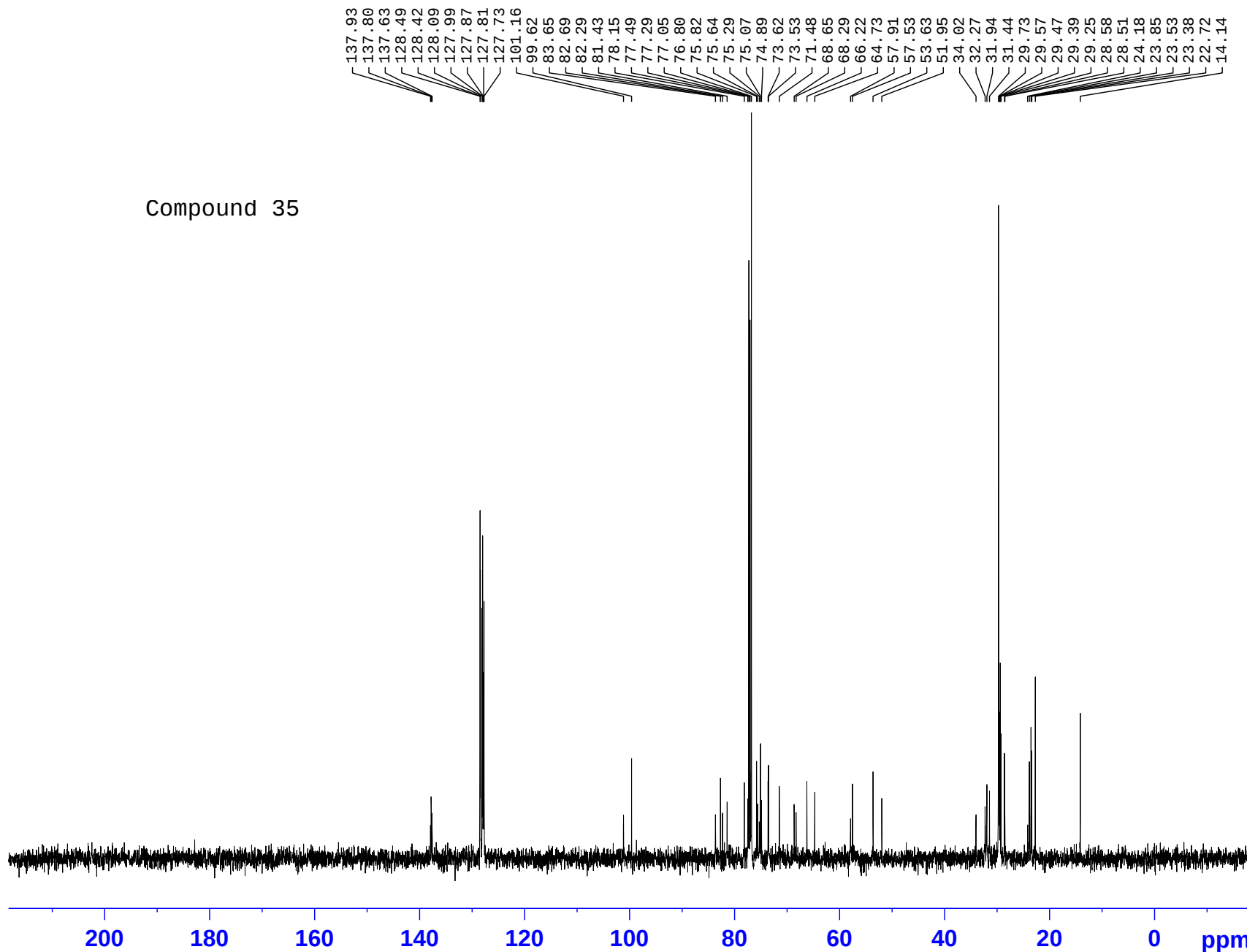
Compound 35

137.93
137.80
137.63
128.49
128.42
128.09
127.99
127.87
127.81
127.73
101.16
99.62
83.65
82.69
82.29
81.43
78.15
77.49
77.29
77.05
76.80
75.82
75.64
75.29
75.07
74.89
73.62
73.53
71.48
68.65
68.29
66.22
64.73
57.91
57.53
53.63
51.95
34.02
32.27
31.94
31.44
29.73
29.57
29.47
29.39
29.25
28.58
28.51
24.18
23.85
23.53
23.38
22.72
14.14

NAME AC-ACSG7
EXPNO 5
PROCNO 1
Date_ 20100726
Time 12.11
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCl3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.8 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



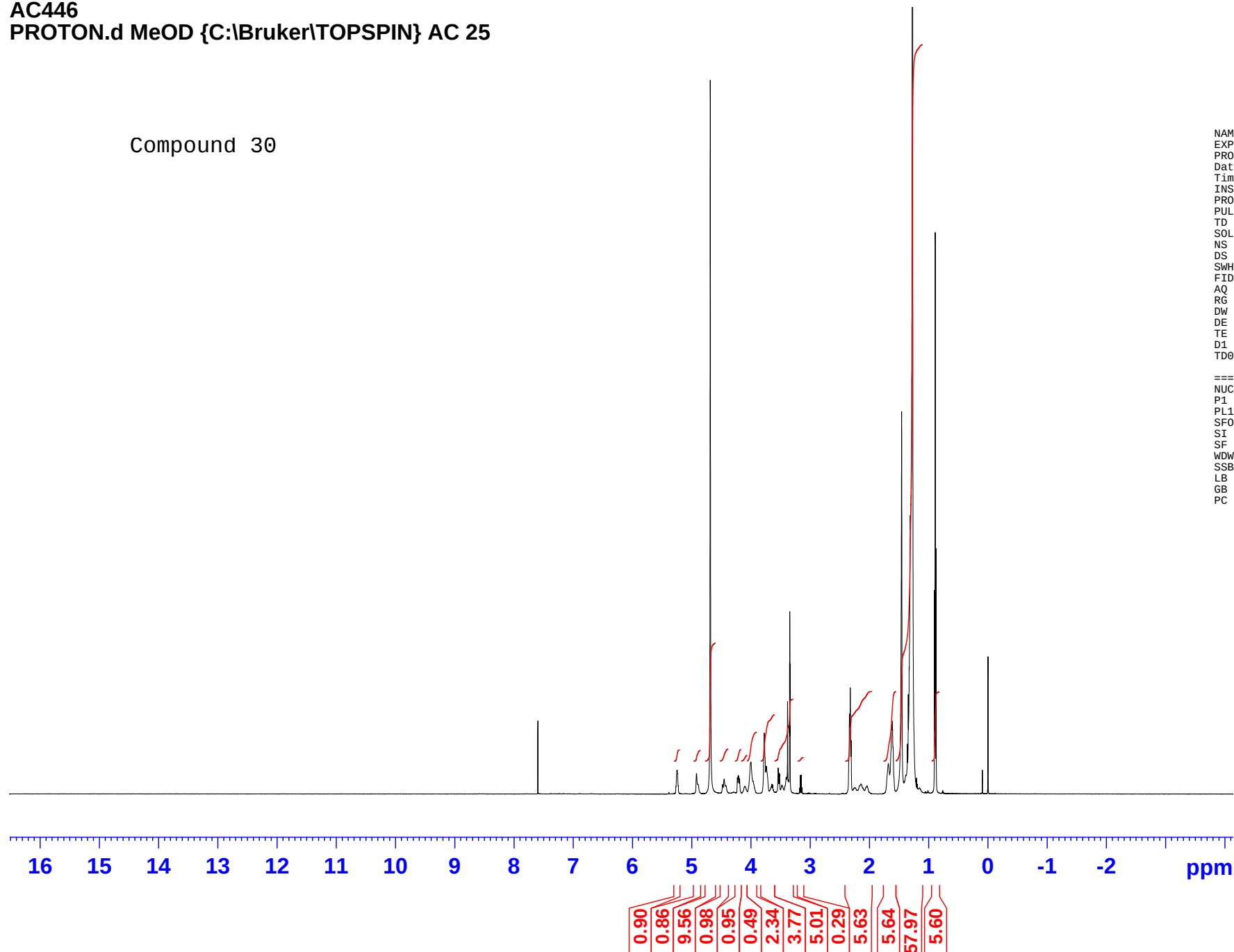
AC446
PROTON.d MeOD {C:\Bruker\TOPSPIN} AC 25

Compound 30



NAME AC-AC446
EXPNO 5
PROCNO 1
Date_ 20111121
Time 19.50
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 161
DW 48.400 usec
DE 6.00 usec
TE 294.3 K
D1 1.00000000 sec
TD0 1

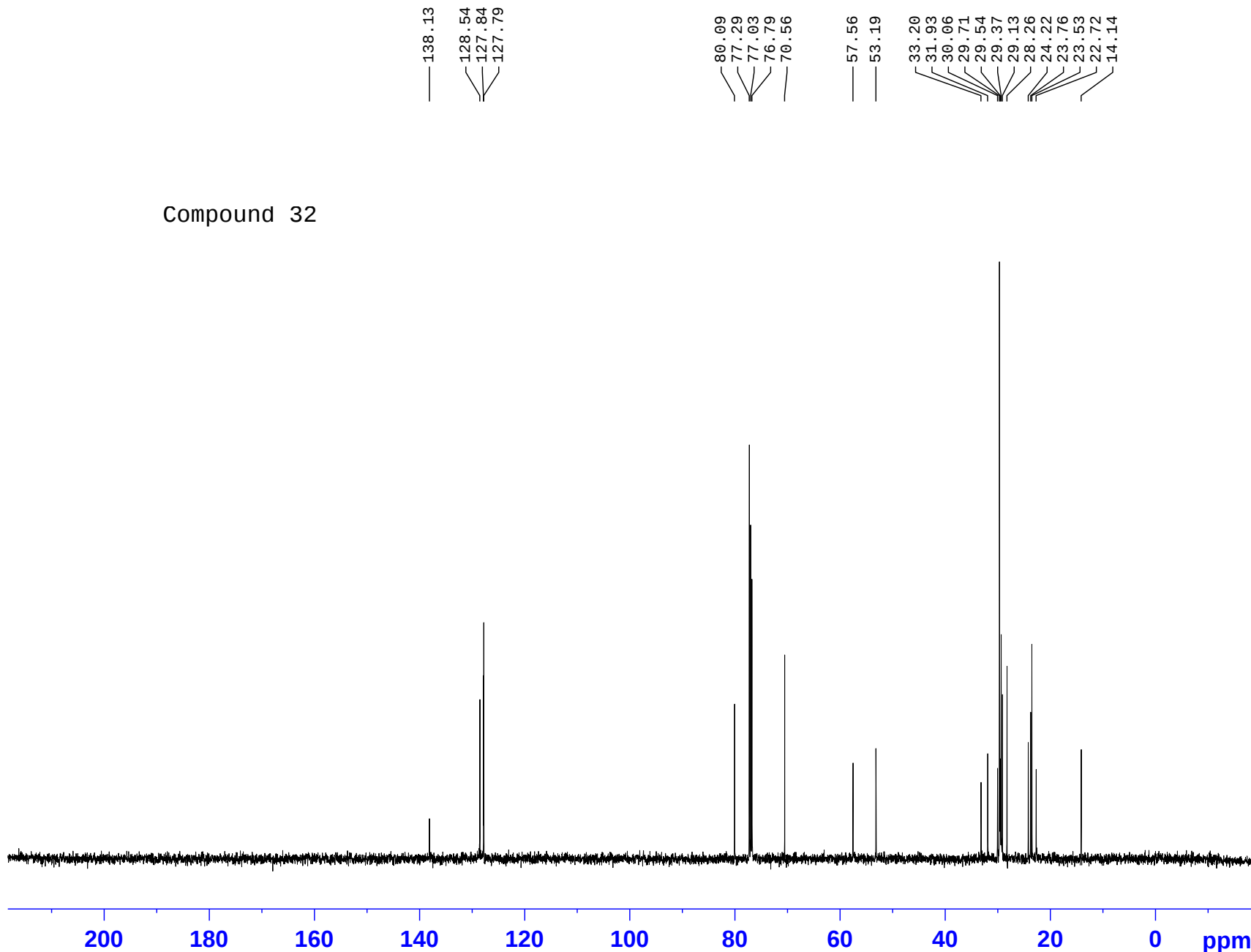
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1299934 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



FRACTIONS 5-16 2ND EXPERIMENT SG2
C13CPDfast.d CDC13 {C:\Bruker\TOPSPIN} AC 7



Compound 32



NAME AC-SG2-FR-16
EXPNO 5
PROCNO 1
Date_ 20100714
Time 11.09
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDC13
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.8 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

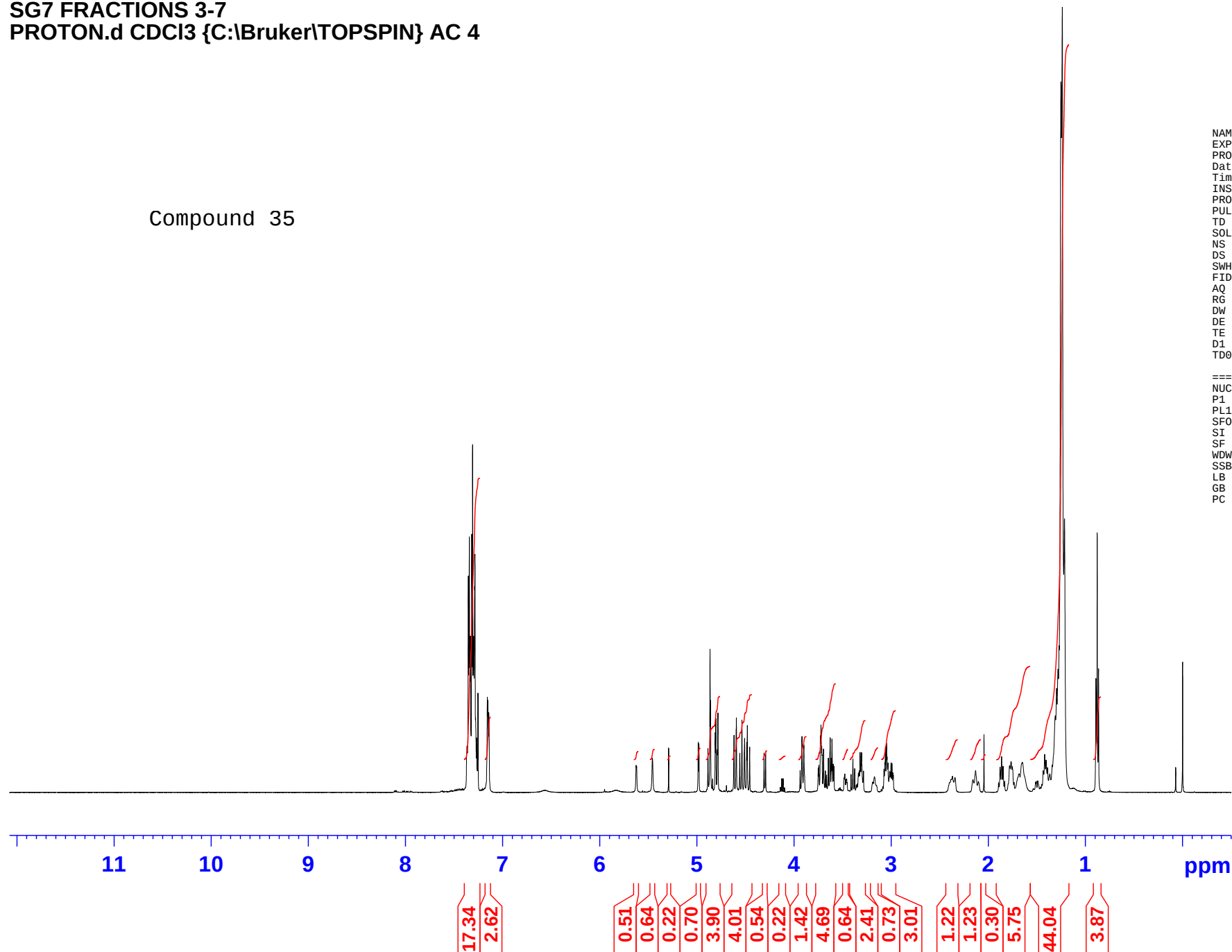
SG7 FRACTIONS 3-7
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 4

Compound 35



NAME AC-ACSG7
EXPNO 2
PROCNO 1
Date_ 20100726
Time 11.42
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 144
DW 48.400 usec
DE 6.00 usec
TE 293.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300164 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



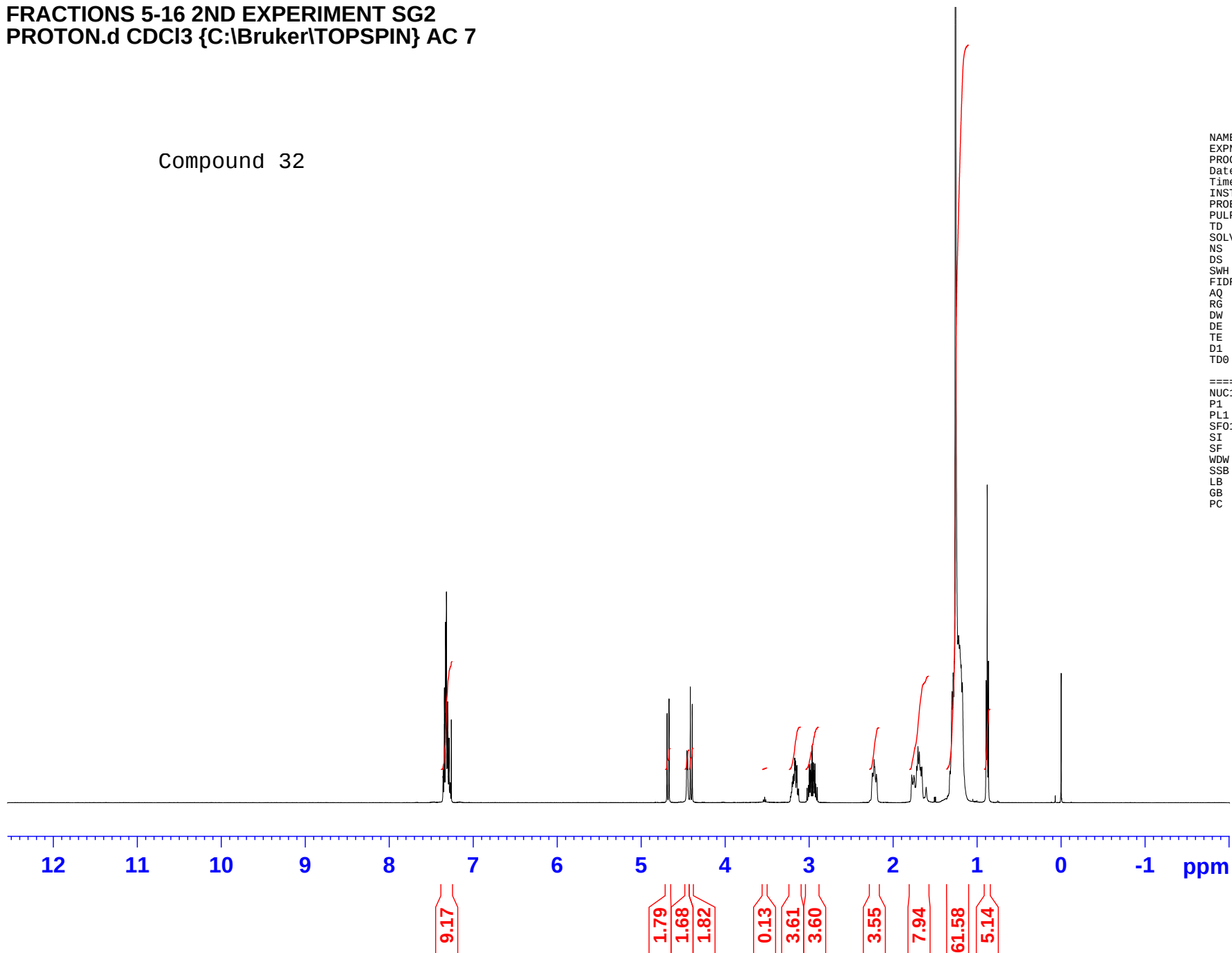
FRACTIONS 5-16 2ND EXPERIMENT SG2
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 7

Compound 32



NAME AC-SG2-FR-16
EXPNO 3
PROCNO 1
Date_ 20100714
Time 10.50
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 144
DW 48.400 usec
DE 6.00 usec
TE 293.3 K
D1 1.00000000 sec
TD0 1

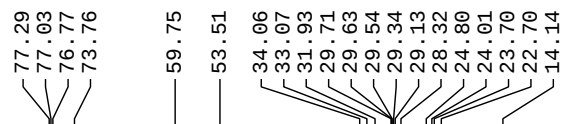
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300130 MHz
WDW EM
SSB 0
LB 0.30 HZ
GB 0
PC 1.40



SG DEBENZYLTATION
C13CPDfast.d CDCI3 {C:\Bruker\TOPSPIN} AC 2



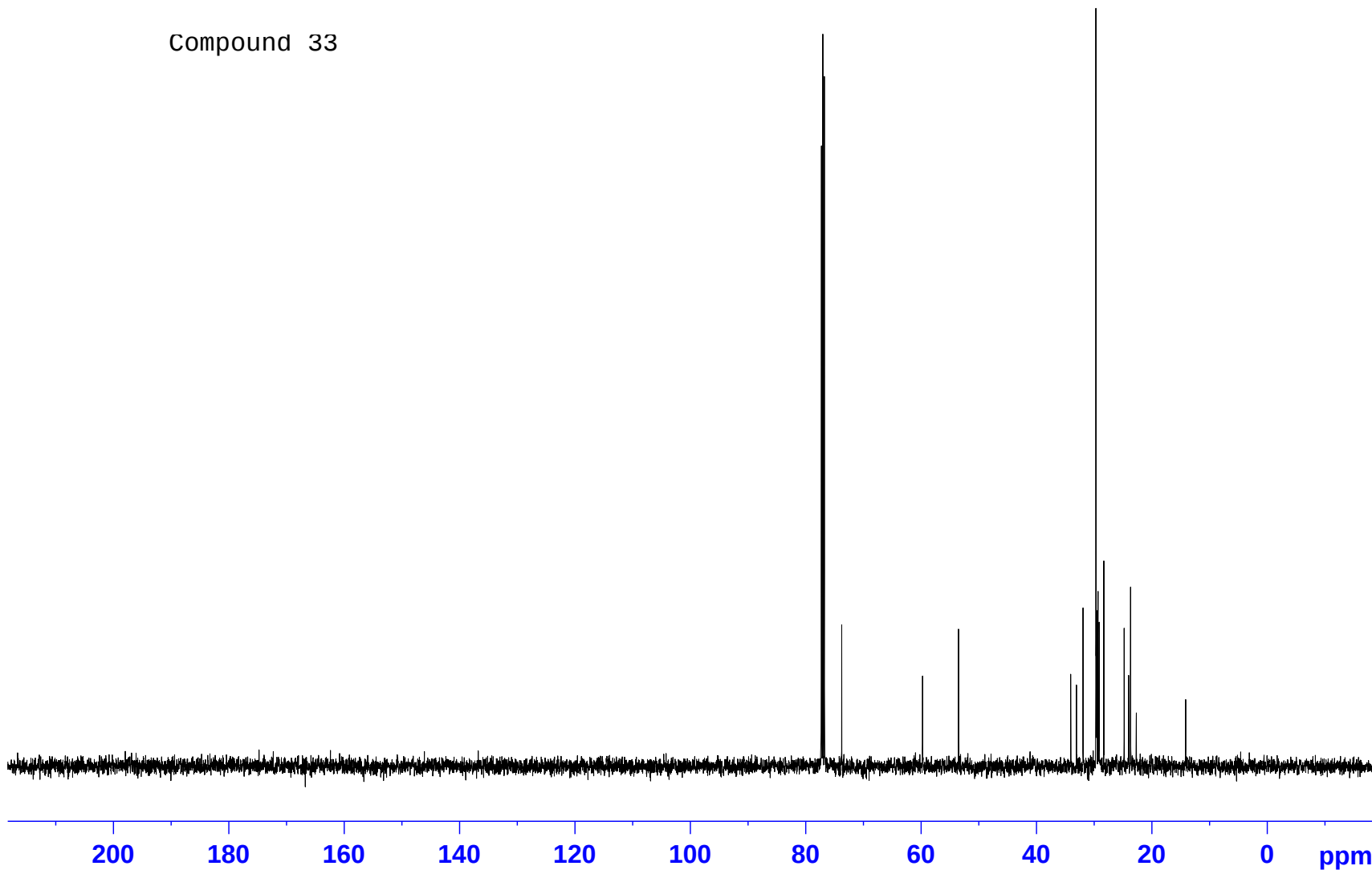
Compound 33



NAME AC-ACSGDEDEBN
EXPNO 4
PROCNO 1
Date_ 20100716
Time 10.27
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCI3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.8 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

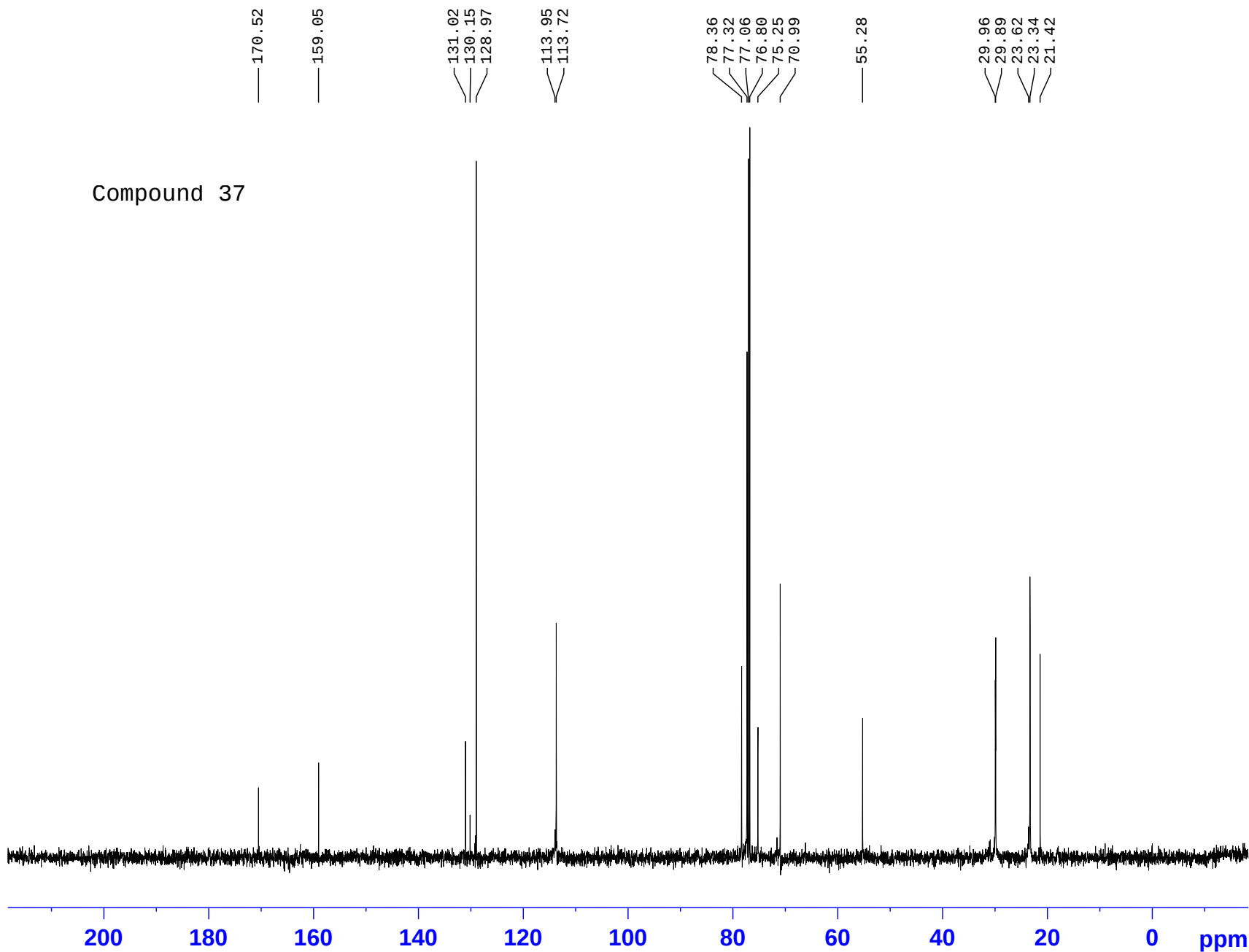
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



LWA17B F11-18
C13CPDfast.d CDCI3 {C:\Bruker\TOPSPIN} AC 9



Compound 37



NAME AC-LWA17B
EXPNO 3
PROCNO 1
Date_ 20090825
Time 11.07
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCI3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.2 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

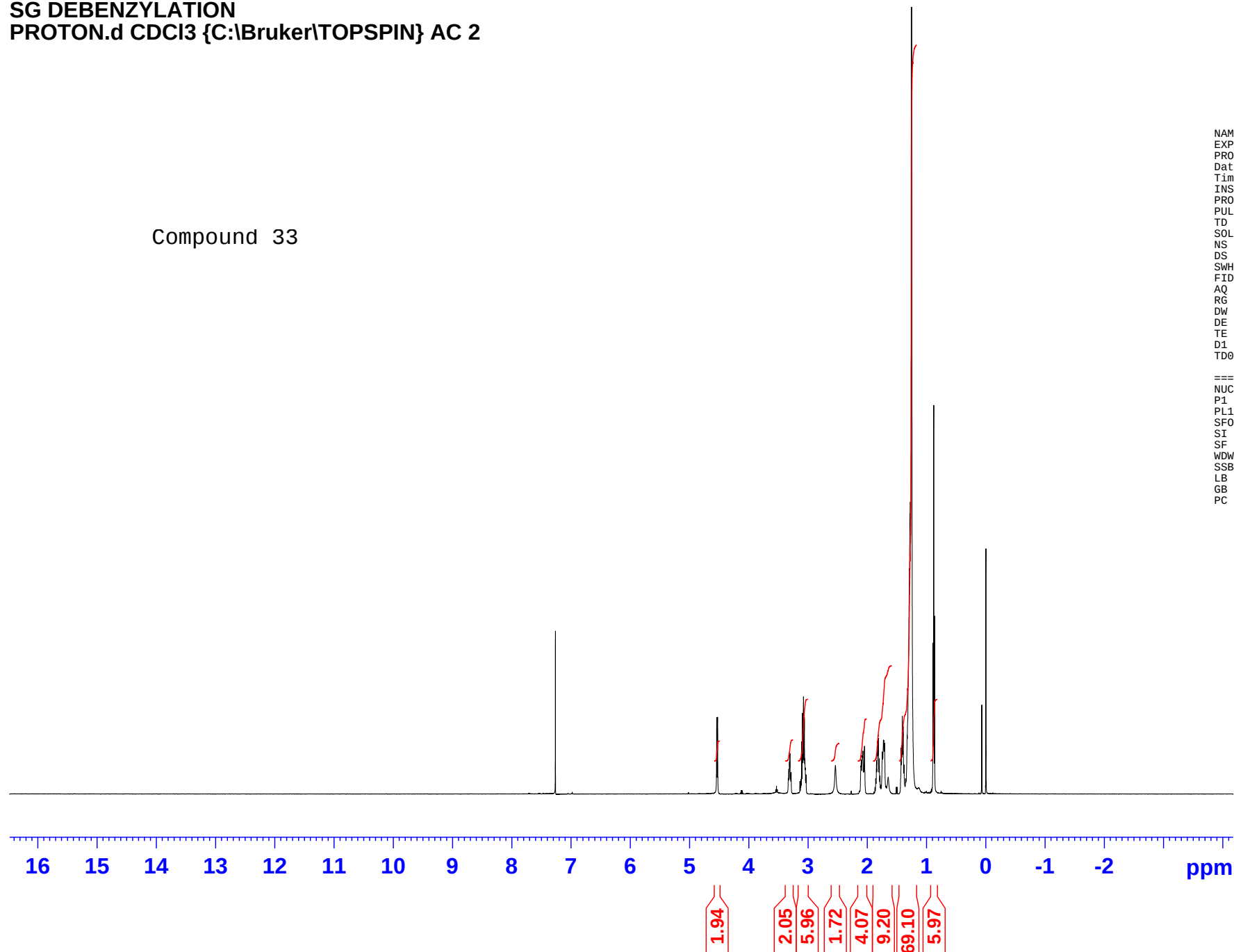
SG DEBENZYLATION
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 2

Compound 33



NAME AC-ACSGDEDEBN
EXPNO 2
PROCNO 1
Date_ 20100716
Time 10.07
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 228
DW 48.400 usec
DE 6.00 usec
TE 293.4 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300109 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



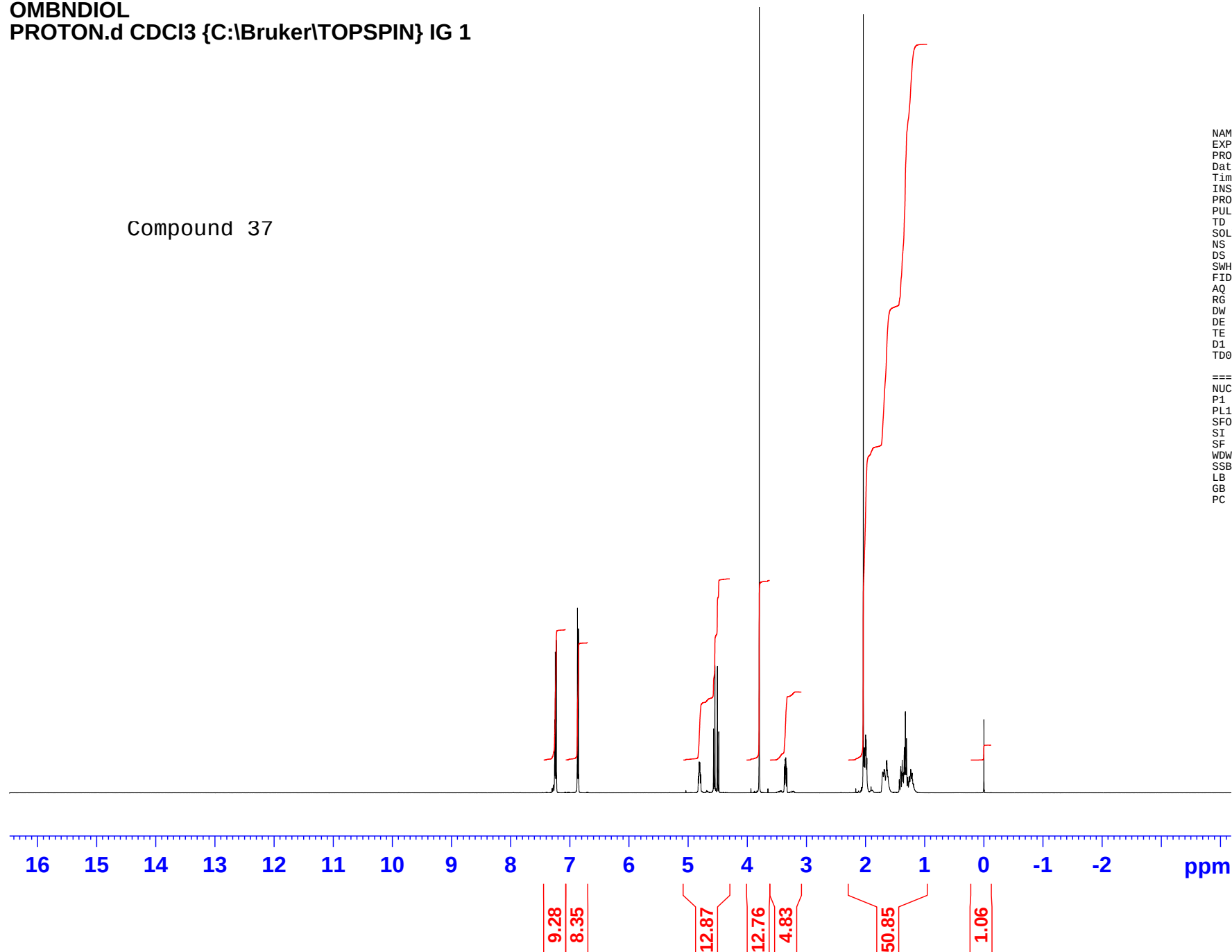
OMBNDIOL
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 1

Compound 37



NAME IG-AC-OMBNDIOLCHECK
EXPNO 1
PROCNO 1
Date_ 20100119
Time 10.03
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 228
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300142 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



ALLYLOMBNDIOL
C13CPD.d CDC13 {C:\Bruker\TOPSPIN} IG 12

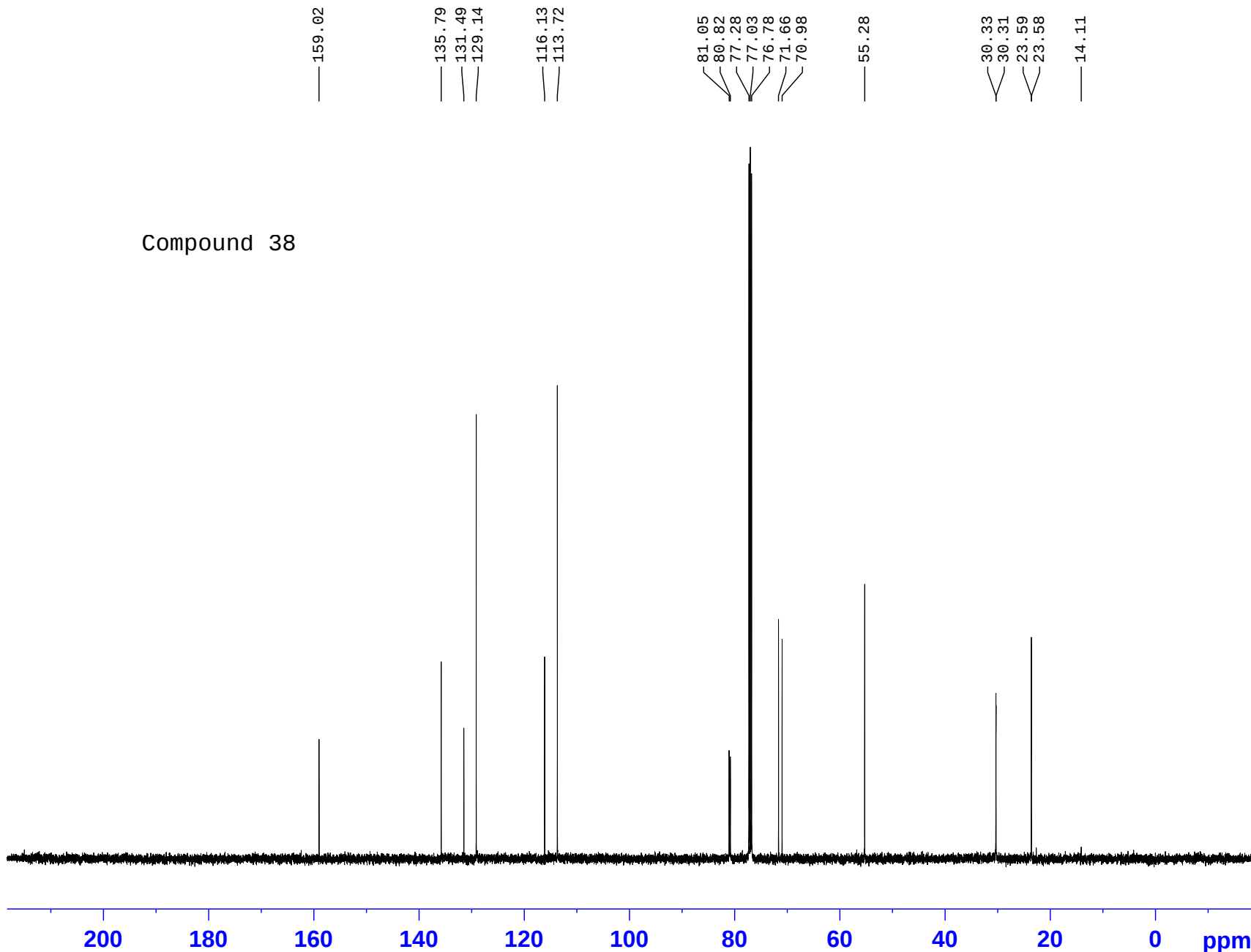


NAME IG-AC-ALLYLOMBNDIOLPURE
EXPNO 2
PROCNO 1
Date_ 20100114
Time 17.28
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Compound 38



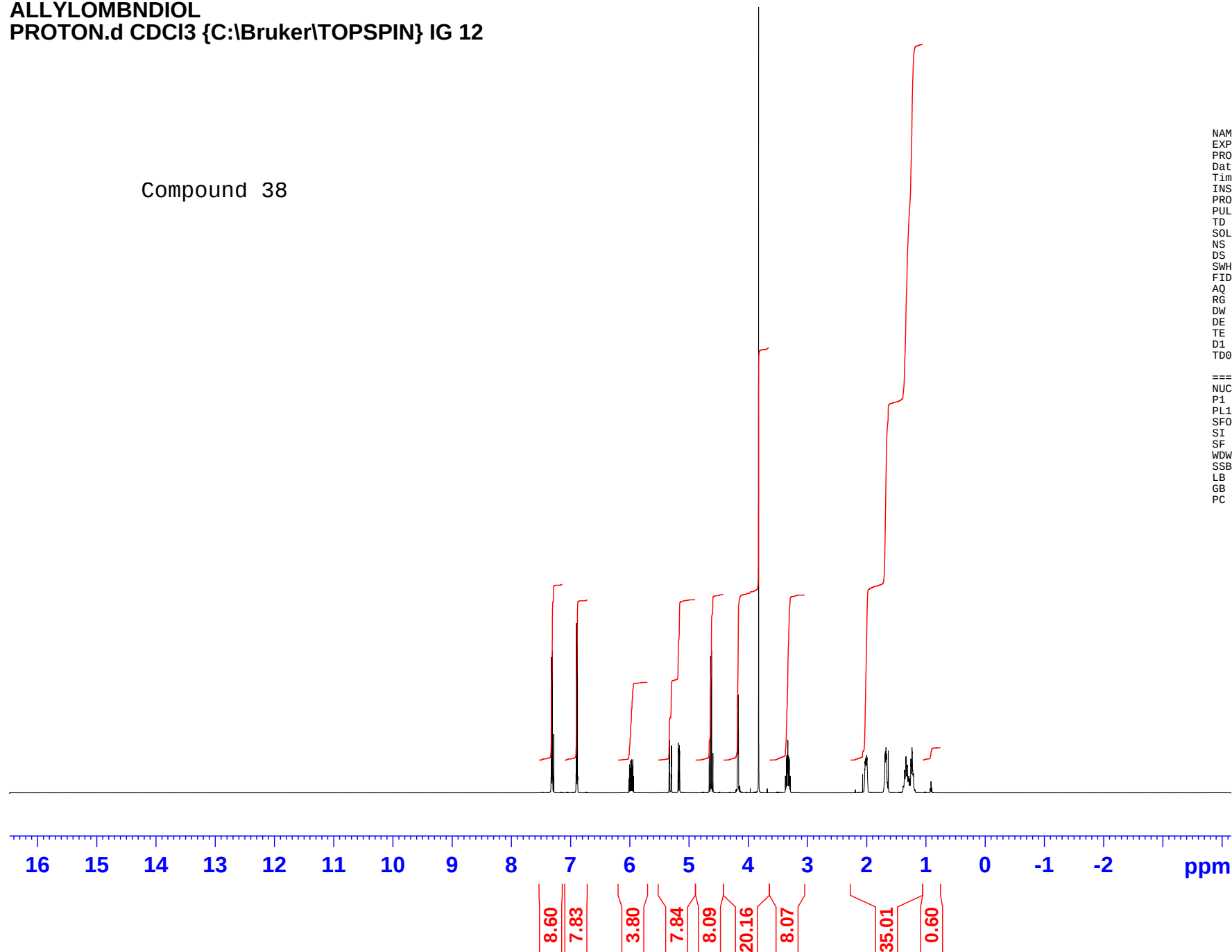
ALLYLOMBNDIOL
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 12

Compound 38



NAME IG-AC-ALLYLOMBNDIOLPURE
EXPNO 1
PROCNO 1
Date_ 20100114
Time 17.13
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 181
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

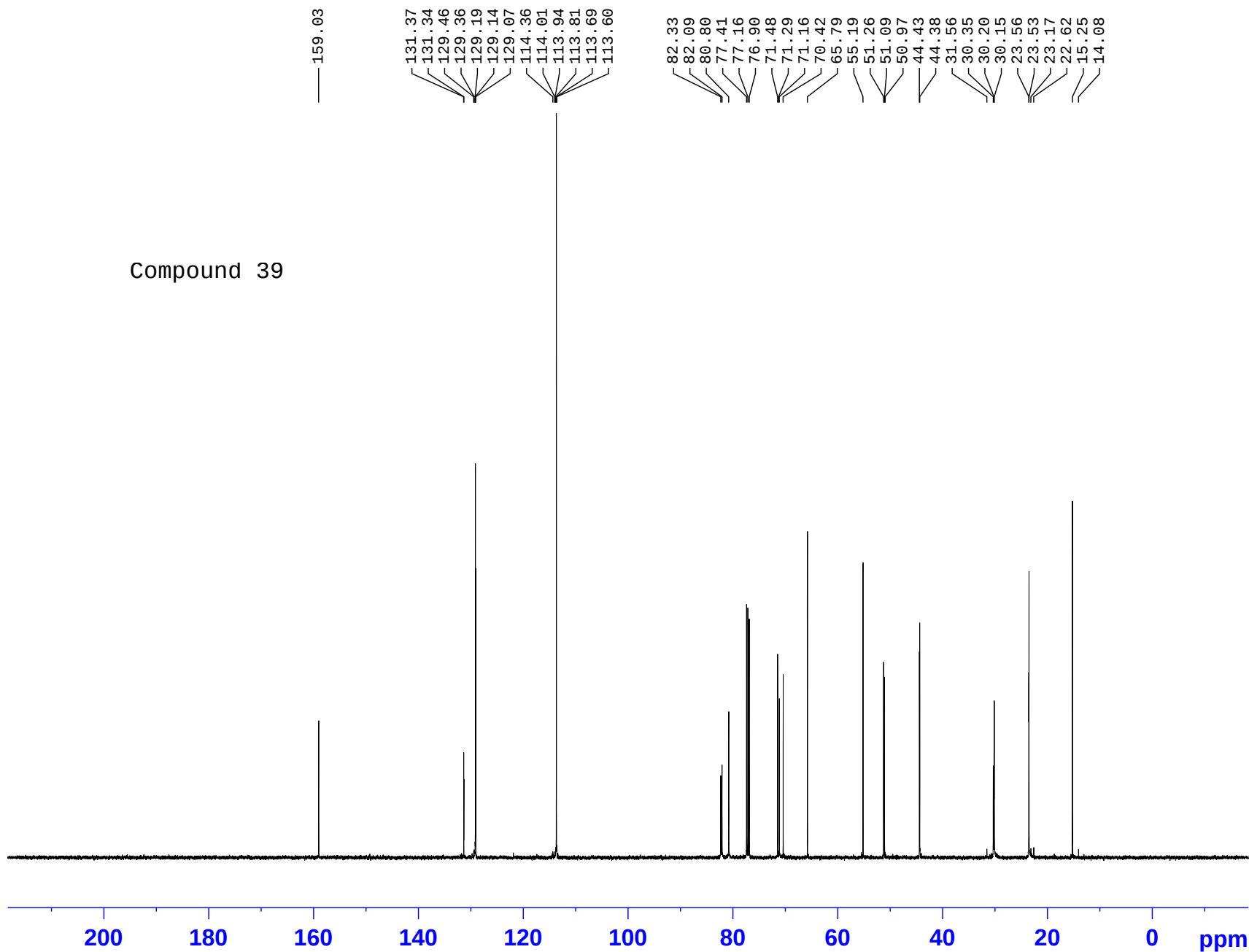
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 HZ
GB 0
PC 1.40



EPOXOMBNDIOL
C13CPD.d CDC13 {C:\Bruker\TOPSPIN} IG 10



Compound 39



NAME IG-AC-EPOXOMBNDIOL PURE
EXPNO 7
PROCNO 1
Date_ 20100128
Time 15.11
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

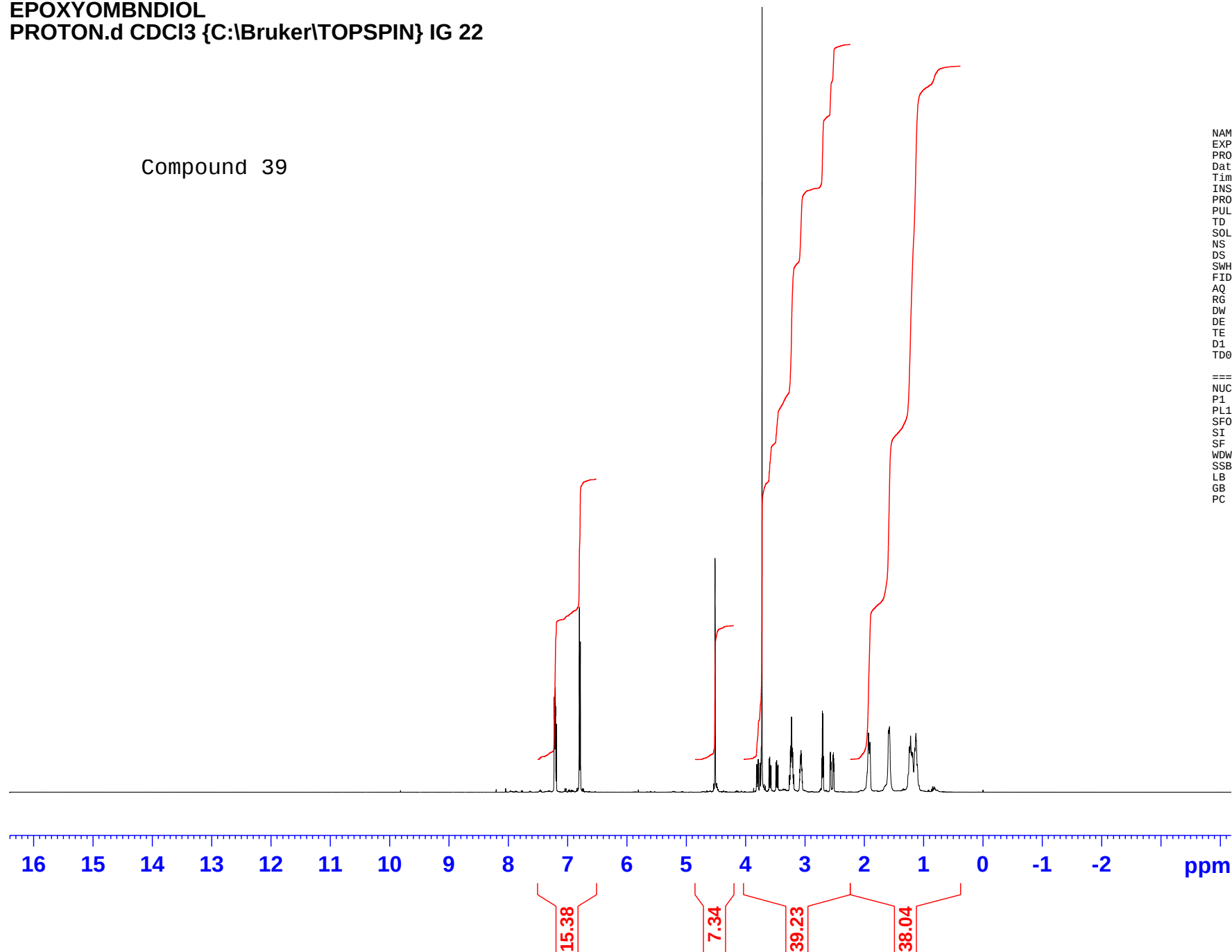
EPOXYOMBNDIOL
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 22

Compound 39



NAME IG-AC-EPOXOMBNDIOL PURE
EXPNO 1
PROCNO 1
Date_ 20100120
Time 11.10
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 161
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

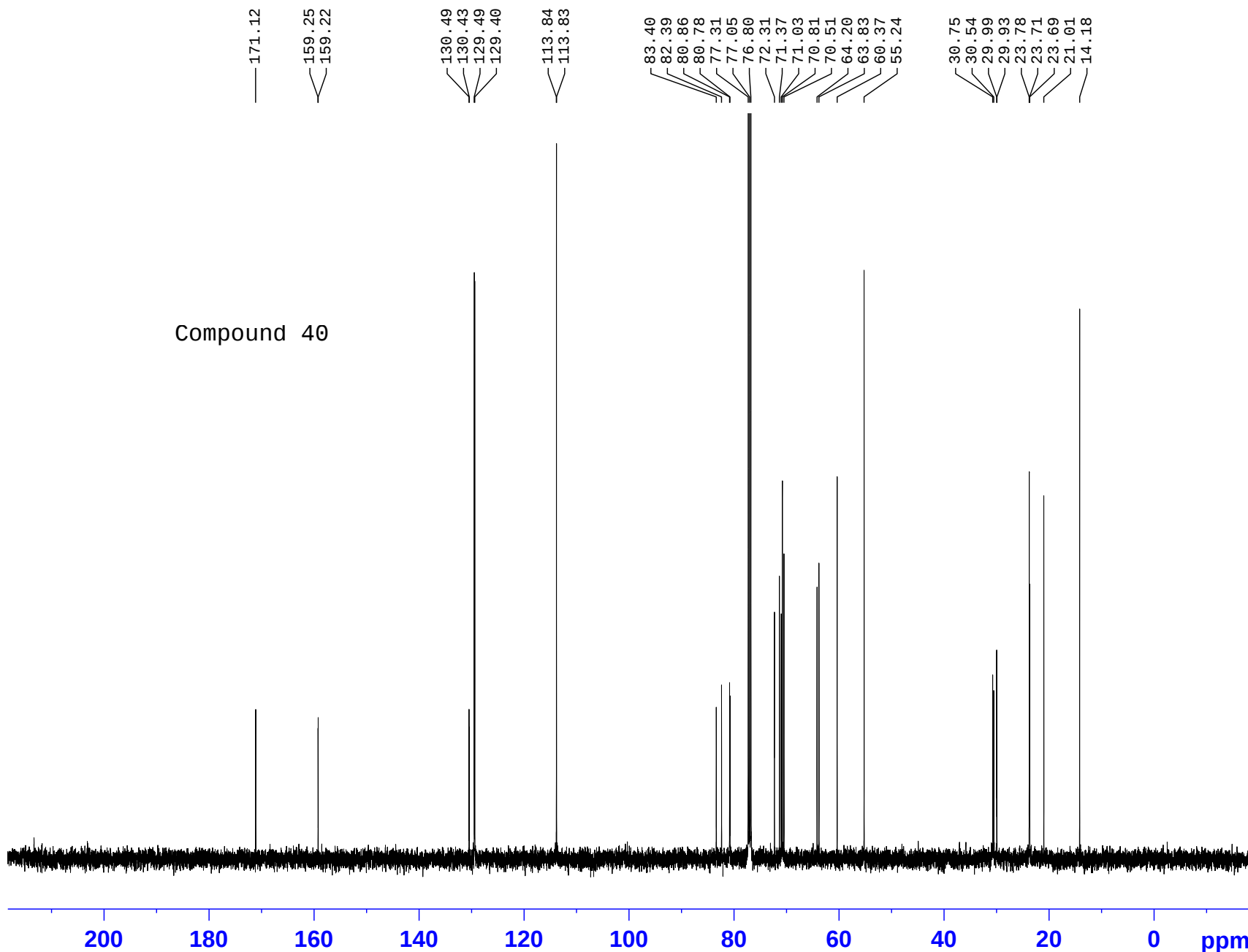
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300481 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



DIOLOMBNDIOLDMSO
C13CPD.d CDCI3 {C:\Bruker\TOPSPIN} IG 1



Compound 40



NAME IG-AC-DIOLOMBNDIOLDMSO
EXPNO 3
PROCNO 1
Date_ 20100204
Time 10.29
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDCI3
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

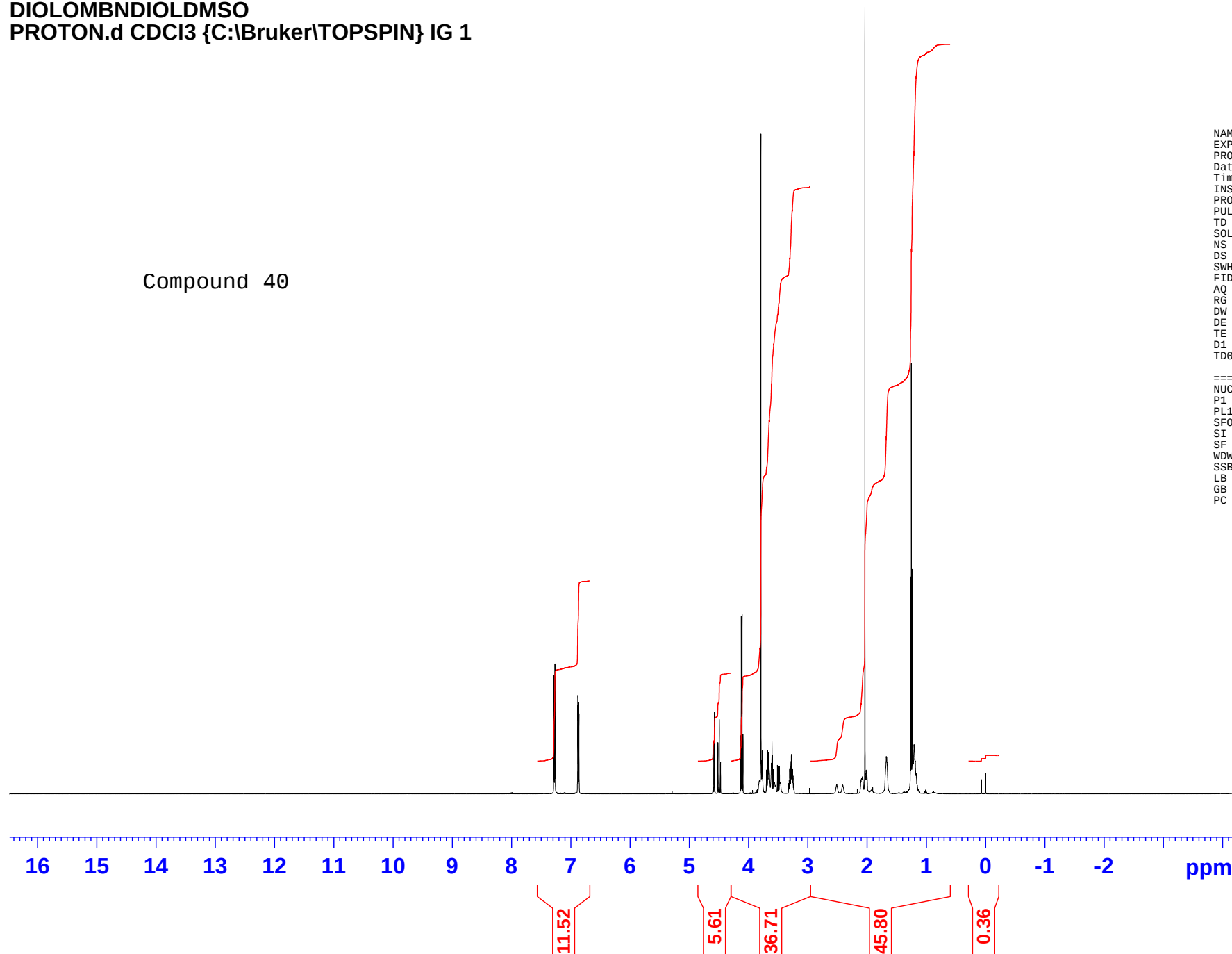
DIOLOMBNDIOLDMSO
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 1

Compound 40



NAME IG-AC-DIOLOMBNDIOLDMSO
EXPNO 1
PROCNO 1
Date_ 20100204
Time 10.04
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 80.6
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

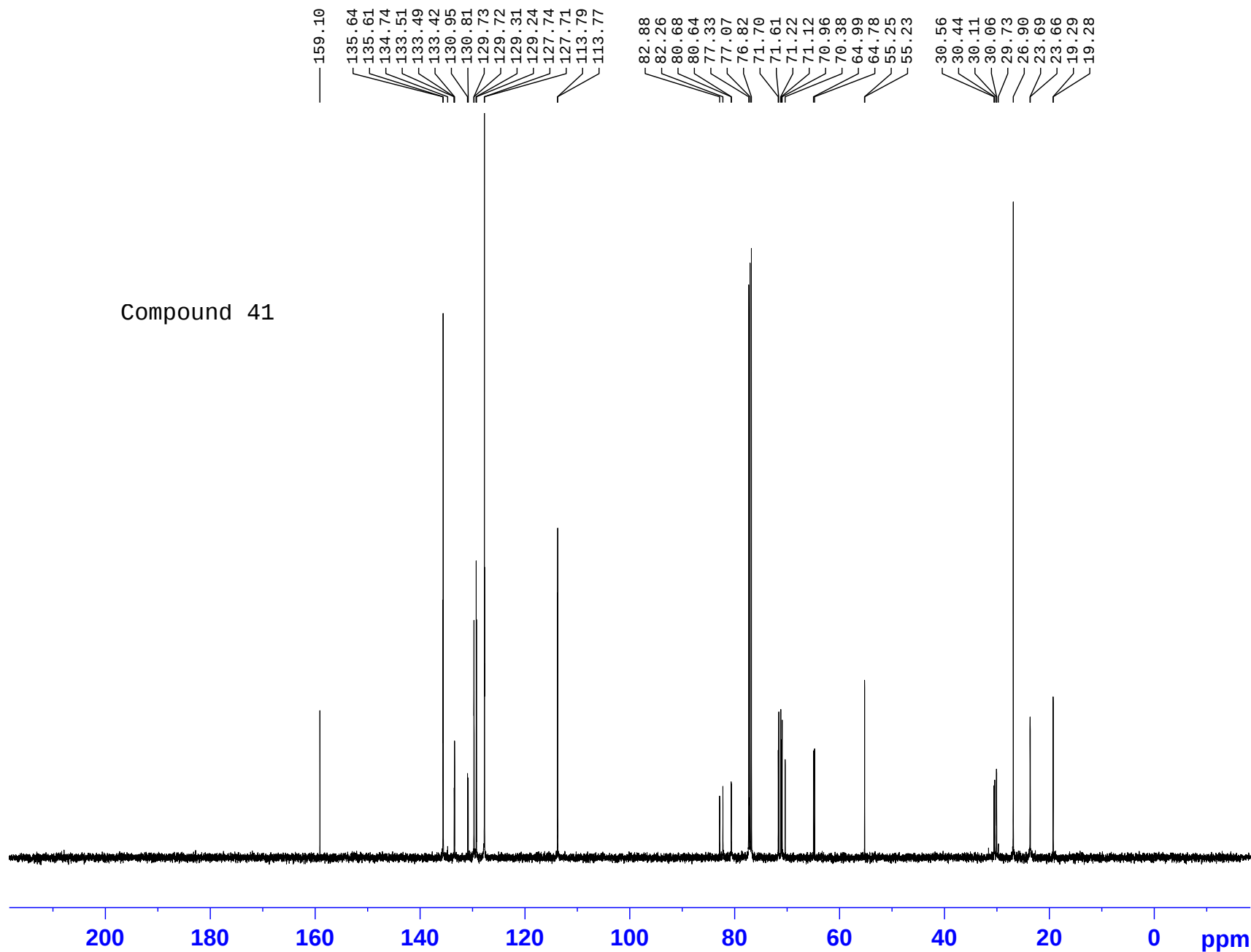
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300072 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



TBDPS OMBNDIOL
C13CPD.d CDCl3 {C:\Bruker\TOPSPIN} IG 16



Compound 41



NAME IG-AC-TBDPS DIOLMBN
EXPNO 3
PROCNO 1
Date_ 20100212
Time 16.10
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

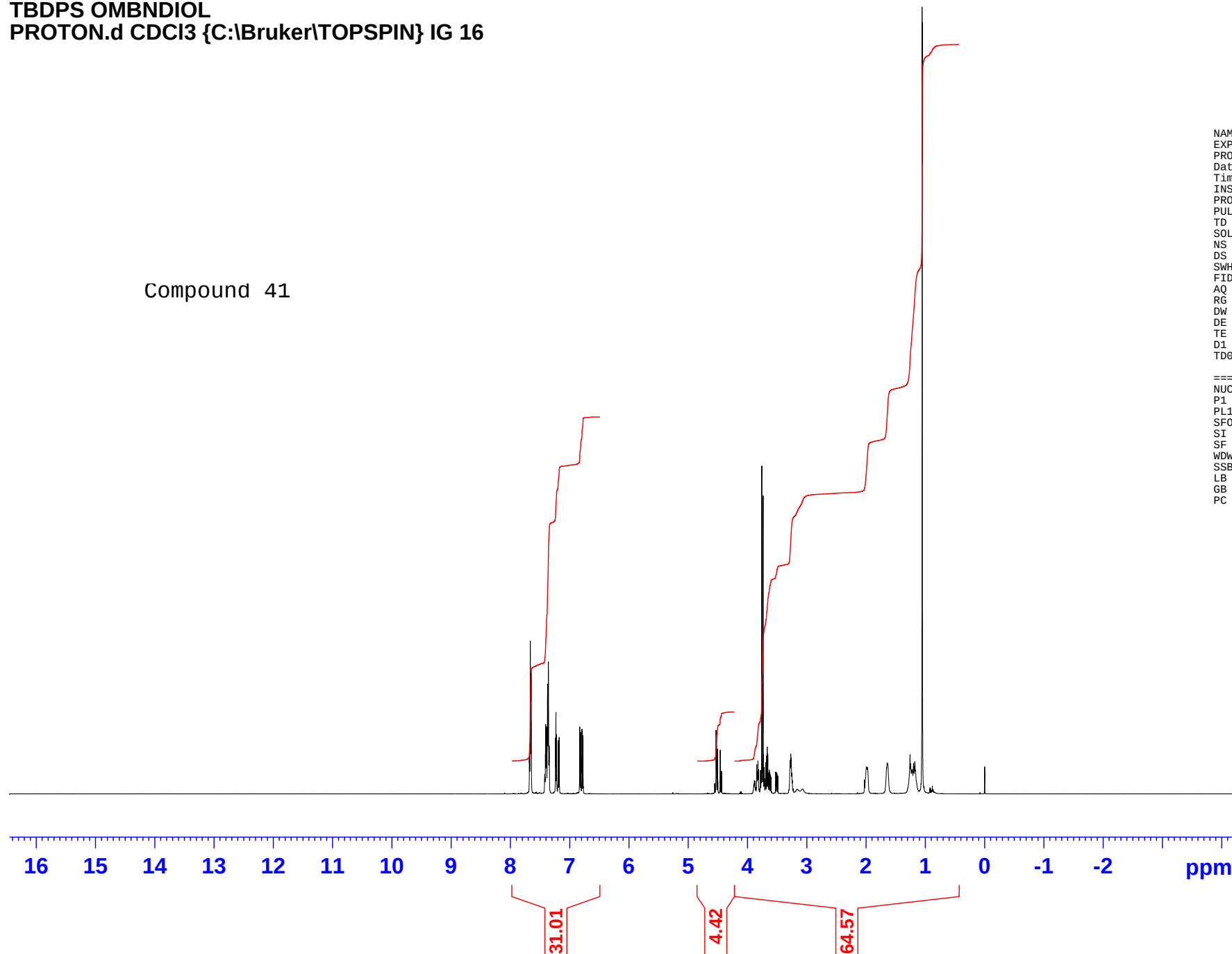
TBDPS OMBNDIOL
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 16

Compound 41



NAME IG-AC-TBDPS DIOLOMBN
EXPNO 1
PROCNO 1
Date_ 20100212
Time 15.45
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 57
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

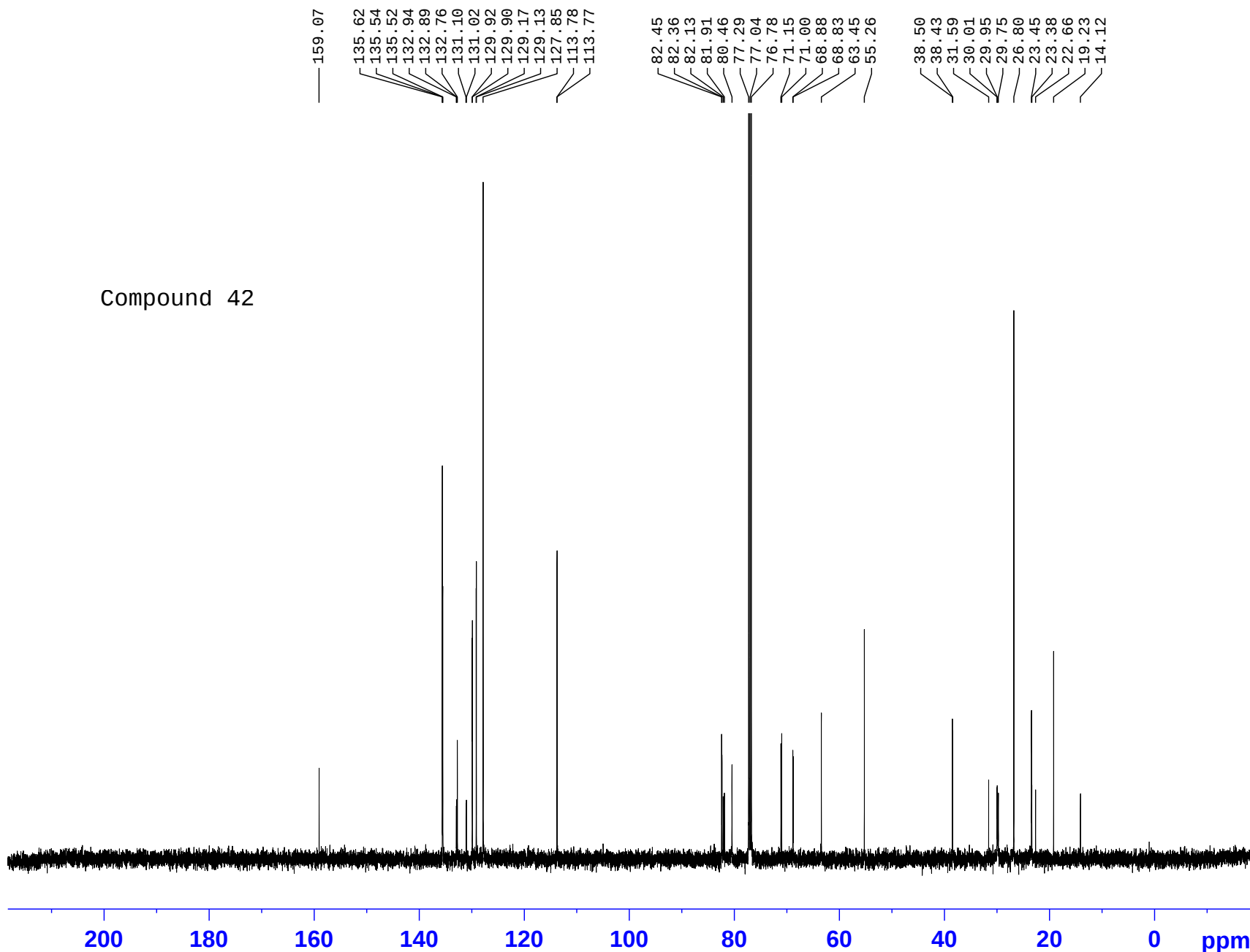
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300265 MHz
WDW EM
SSB 0
LB 0.30 HZ
GB 0
PC 1.40



OMS F2
C13CPD.d CDCl3 {C:\Bruker\TOPSPIN} IG 43



Compound 42



NAME IG-AC-OMSOMBNDIOF2
EXPNO 3
PROCNO 1
Date_ 20100430
Time 14.47
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

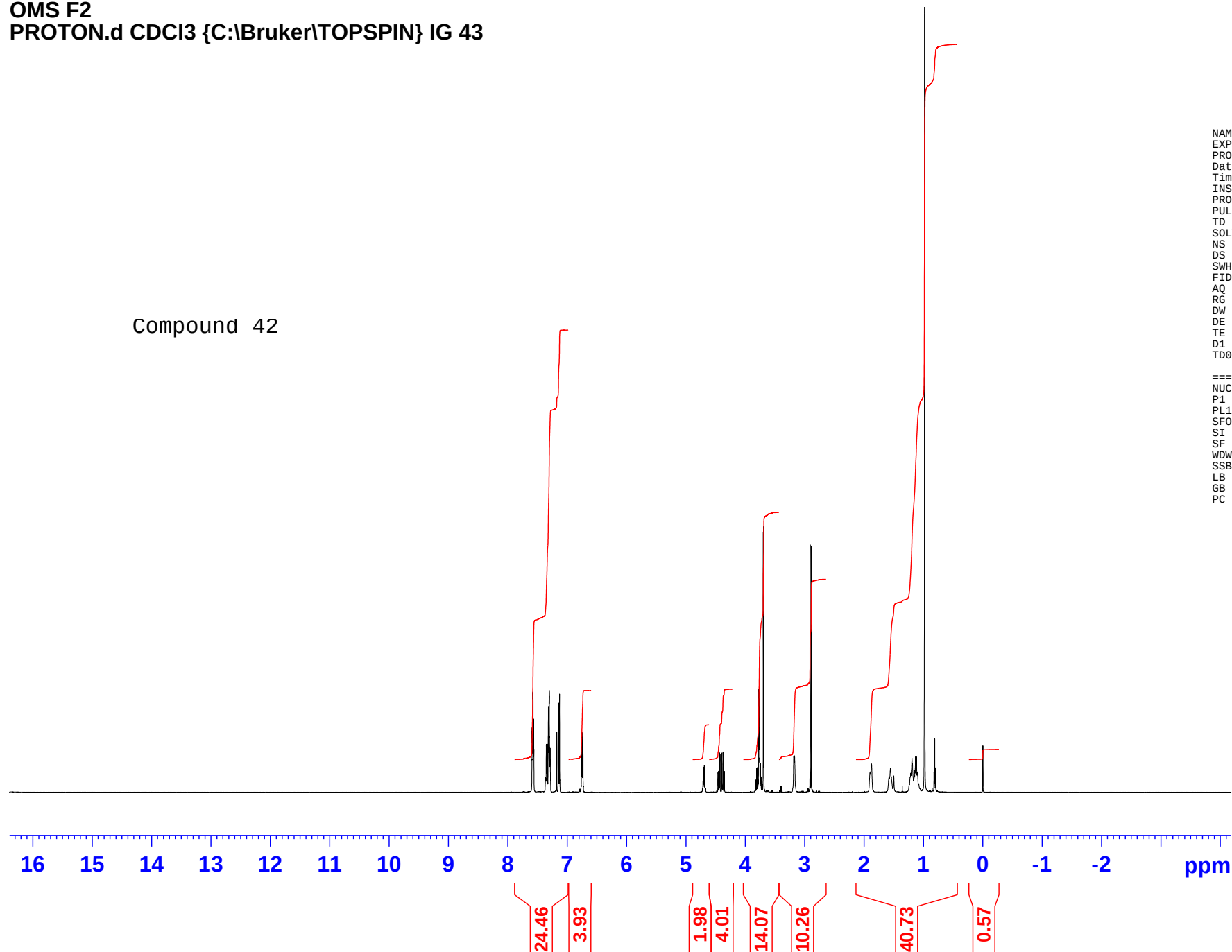
OMS F2
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 43



NAME IG-AC-OMSOMBNDIOF2
EXPNO 1
PROCNO 1
Date_ 20100430
Time 14.22
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 161
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300551 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40

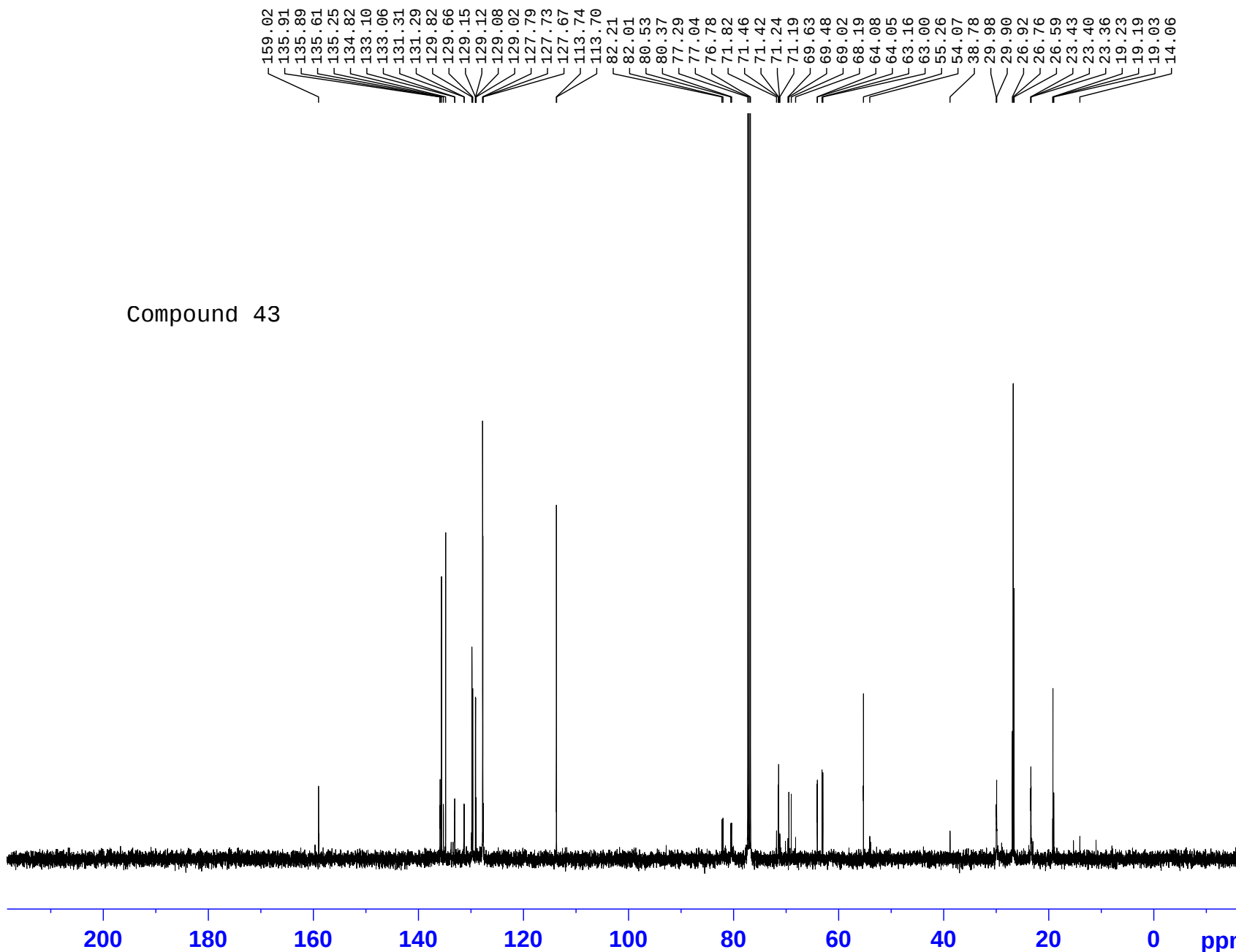
Compound 42



OTBDS N3
C13CPD.d CDCI3 {C:\Bruker\TOPSPIN} IG 15



Compound 43



NAME IG-AC-OTBDPS N3 DPPA
EXPNO 3
PROCNO 1
Date_ 20100315
Time 15.48
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

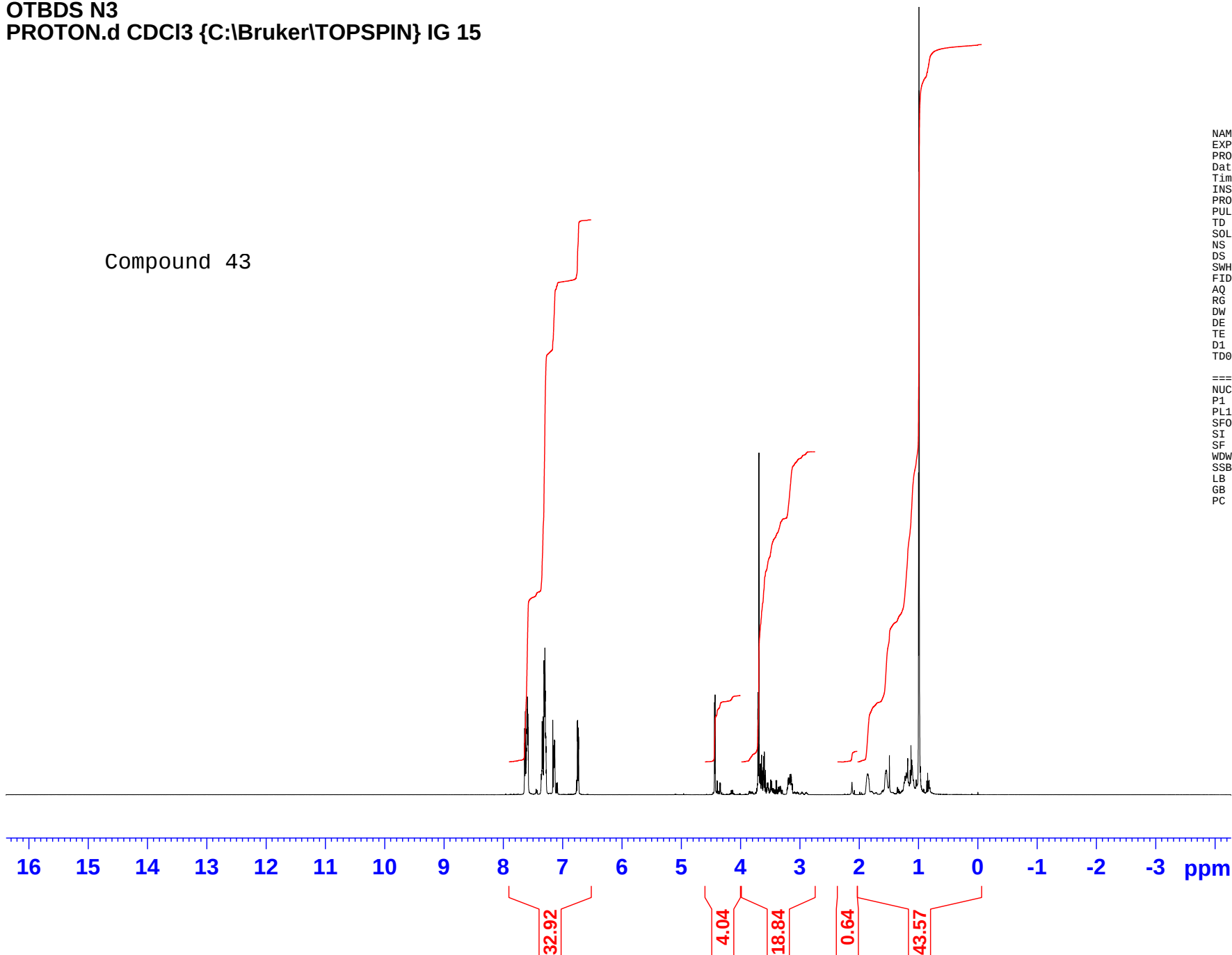
OTBDS N3
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 15

Compound 43



NAME IG-AC-OTBDPS N3 DPPA
EXPNO 1
PROCNO 1
Date_ 20100315
Time 15.23
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 90.5
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300592 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



N3 OMBNDEPRO
C13CPD6.d CDC13 {C:\Bruker\TOPSPIN} IG 13



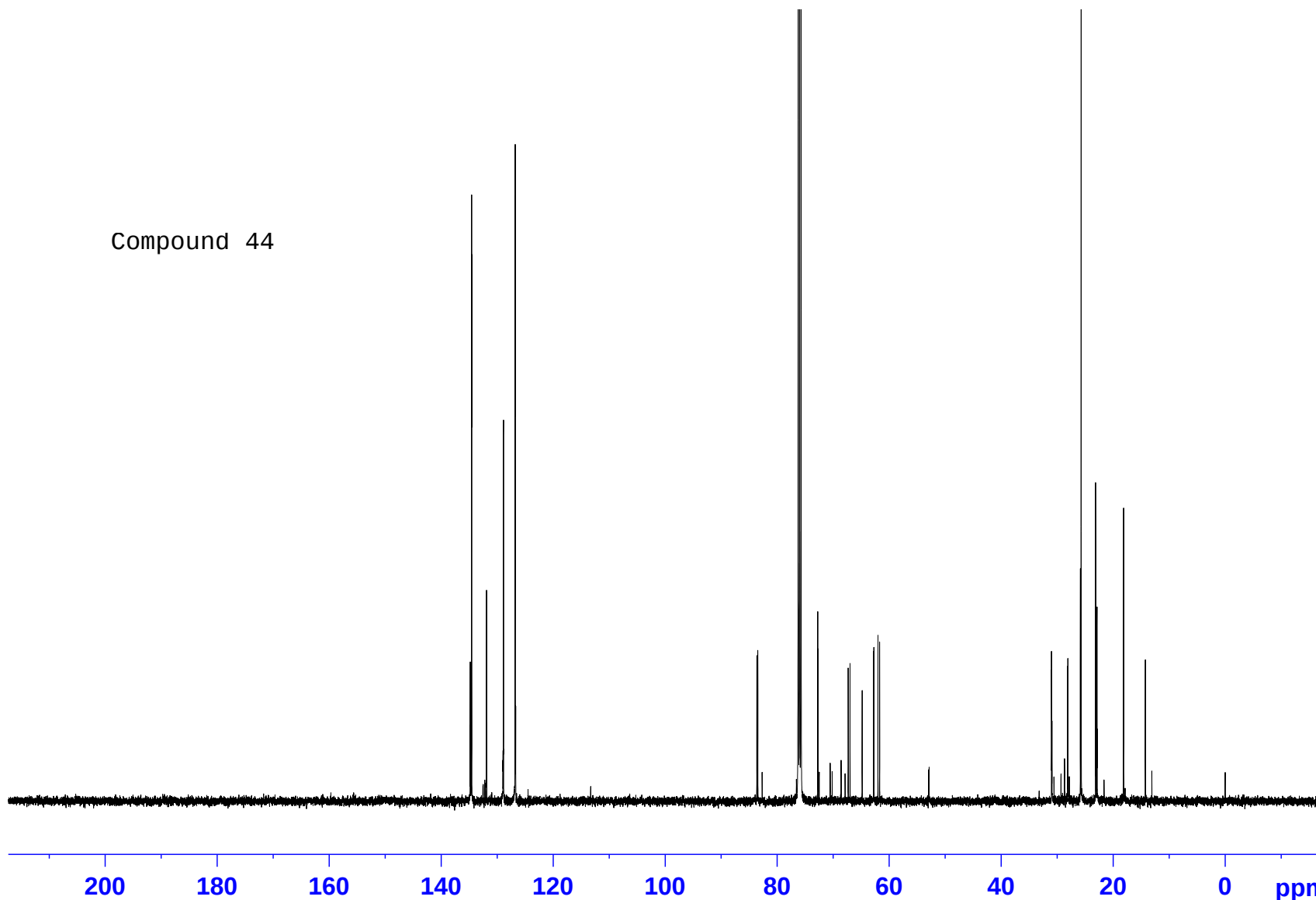
Compound 44

134.84
134.82
134.75
134.58
134.56
132.22
131.91
131.87
128.99
128.97
128.88
126.81
126.79
126.73
126.70
83.64
83.46
82.69
76.57
76.25
76.00
75.74
72.77
72.70
72.50
70.54
70.19
68.59
67.88
67.32
67.00
64.83
62.80
62.74
62.01
61.71
52.94
52.88
31.02
30.98
30.93
30.57
29.32
28.68
28.17
28.11
28.08
27.84
25.86
25.73
23.14
23.10
22.89
22.85
21.64
18.18
18.15

NAME IG-AC-N3 TFAOMBNDEPR
EXPNO 3
PROCNO 1
Date_ 20100324
Time 1.13
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 6144
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

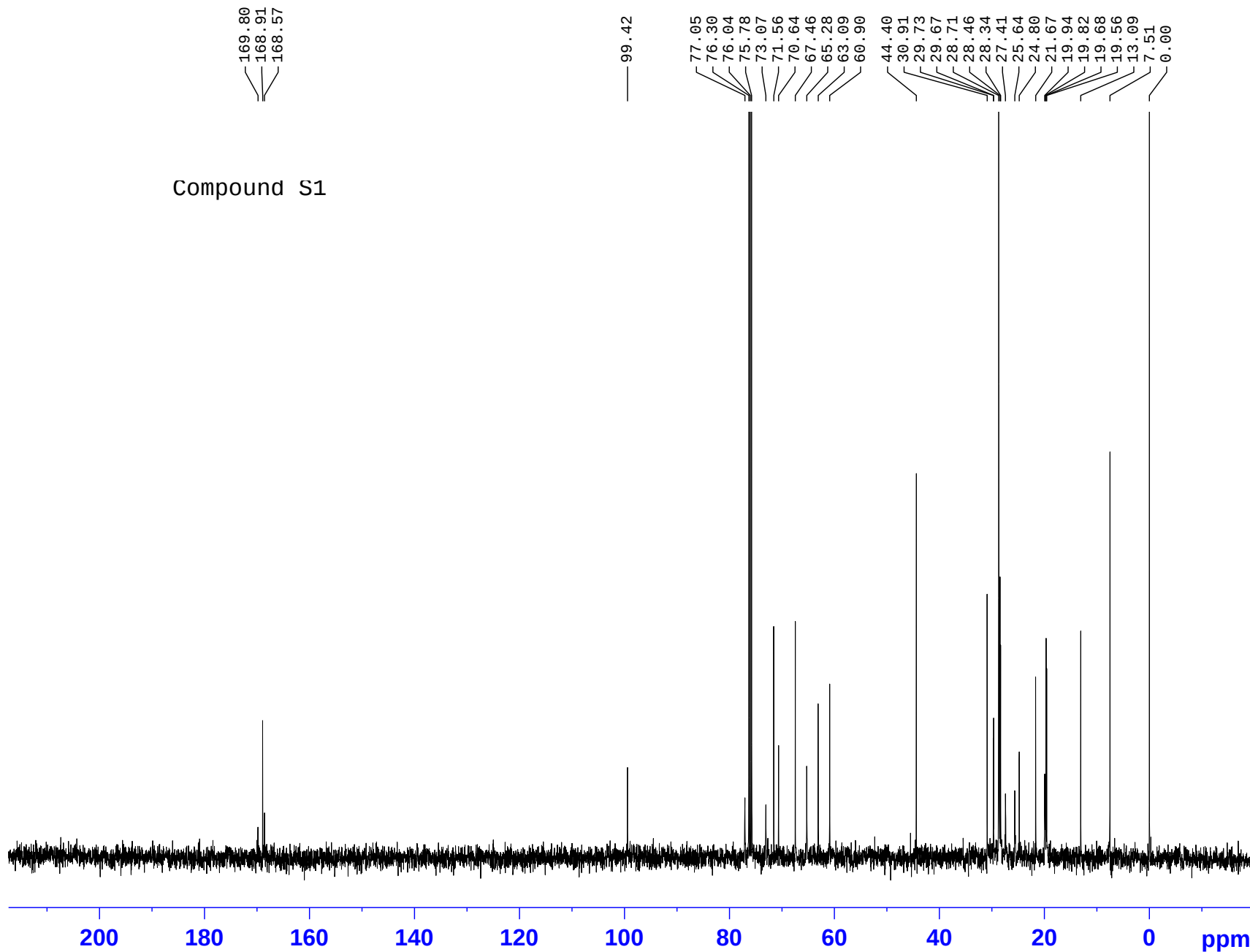
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7579170 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



AC423B FR 16-18
C13CPDfast.d CDCI3 {C:\Bruker\TOPSPIN} AC 30



Compound S1



NAME AC-AC423B
EXPNO 3
PROCNO 1
Date_ 20130702
Time 12.50
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCI3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.30 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -0.80 dB
PL12 16.28 dB
PL13 17.28 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7579139 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

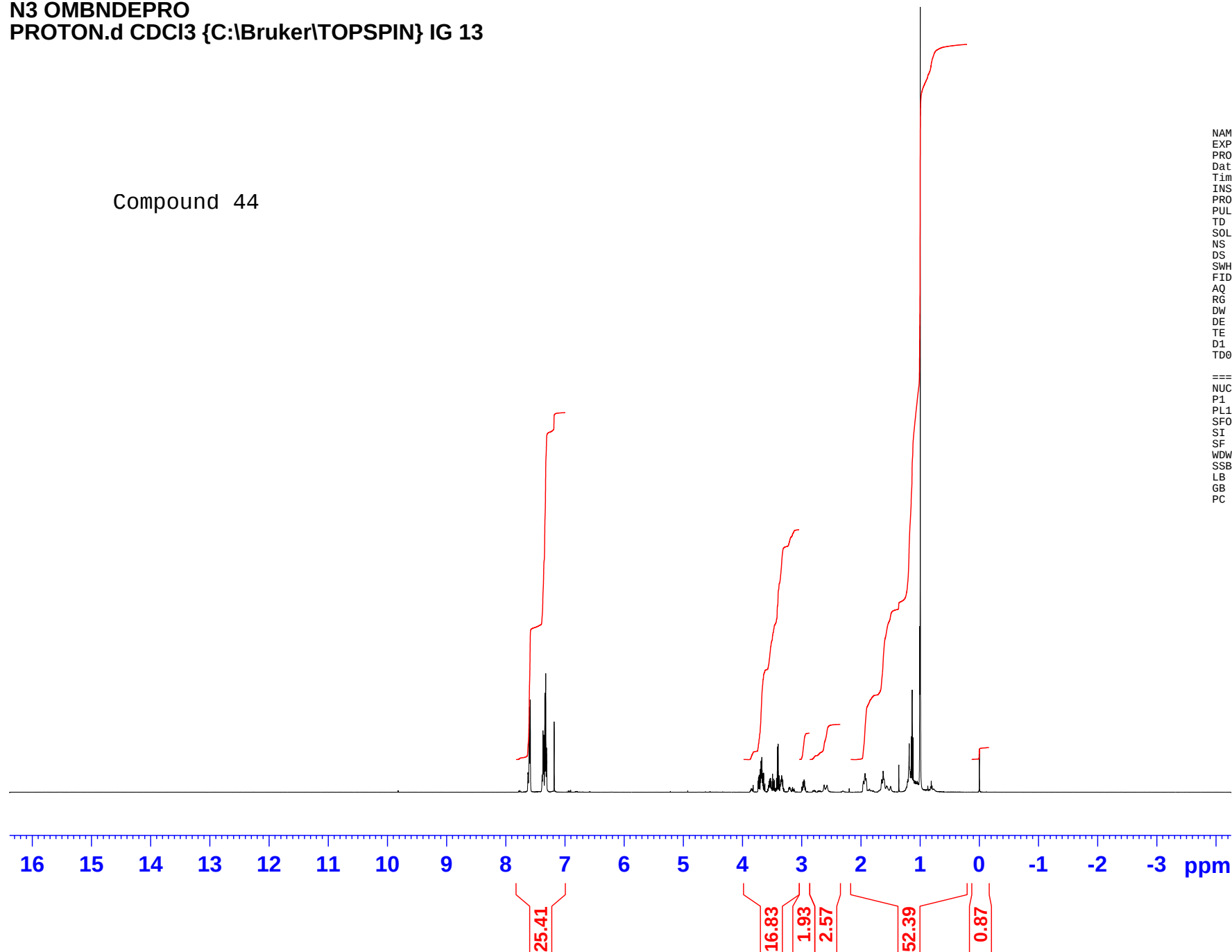
N3 OMBNDEPRO
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 13

Compound 44



NAME IG-AC-N3 TFAOMBNDEPR
EXPNO 1
PROCNO 1
Date_ 20100323
Time 16.44
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 256
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

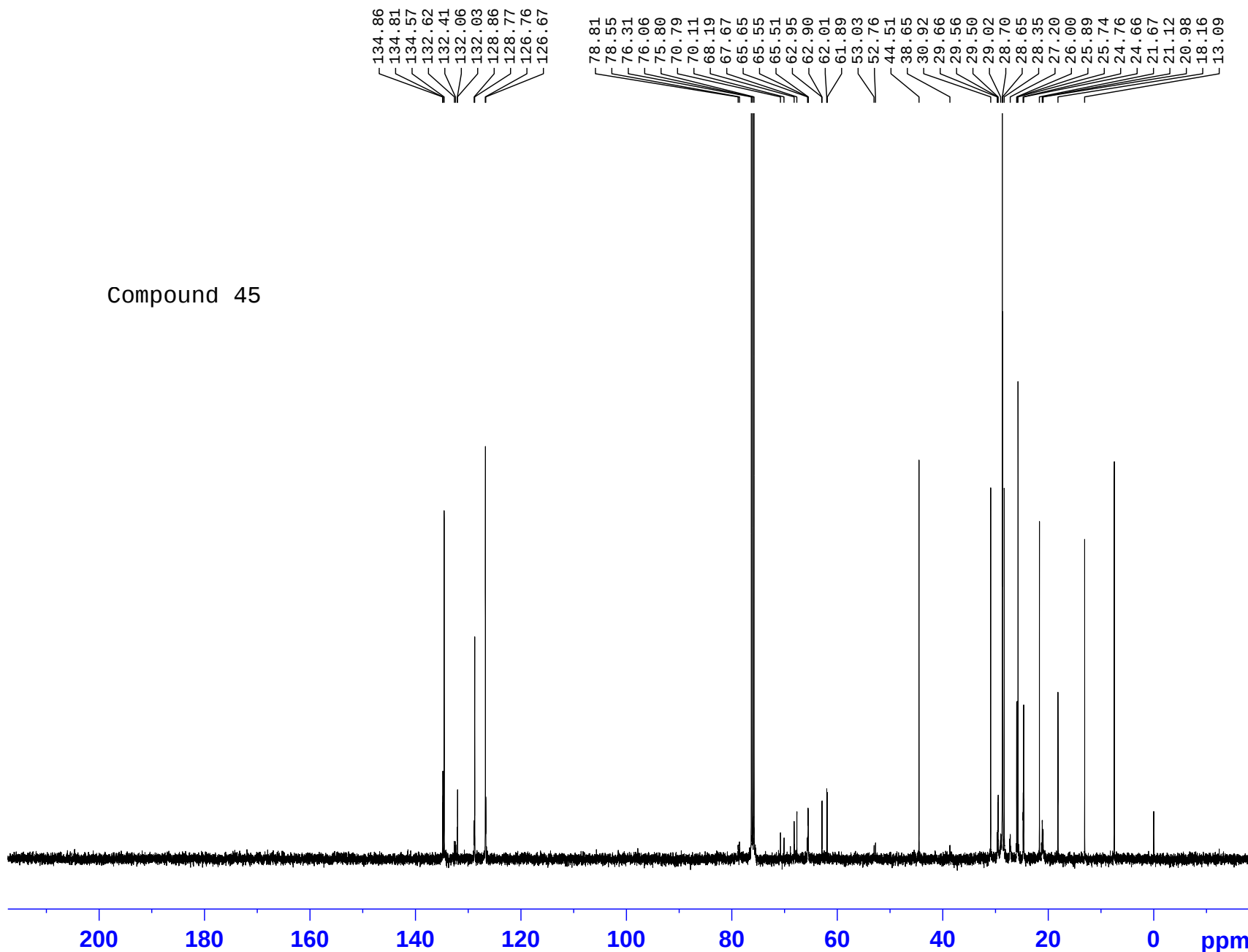
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300512 MHz
WDW EM
SSB 0
LB 0.30 HZ
GB 0
PC 1.40



OTBDPS N3 PHOSPHATE
C13CPD.d CDCI3 {C:\Bruker\TOPSPIN} IG 2



Compound 45



NAME IG-AC-OTBDPSN3 PHOSPHATE
EXPNO 4
PROCNO 1
Date_ 20100402
Time 10.51
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7579157 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

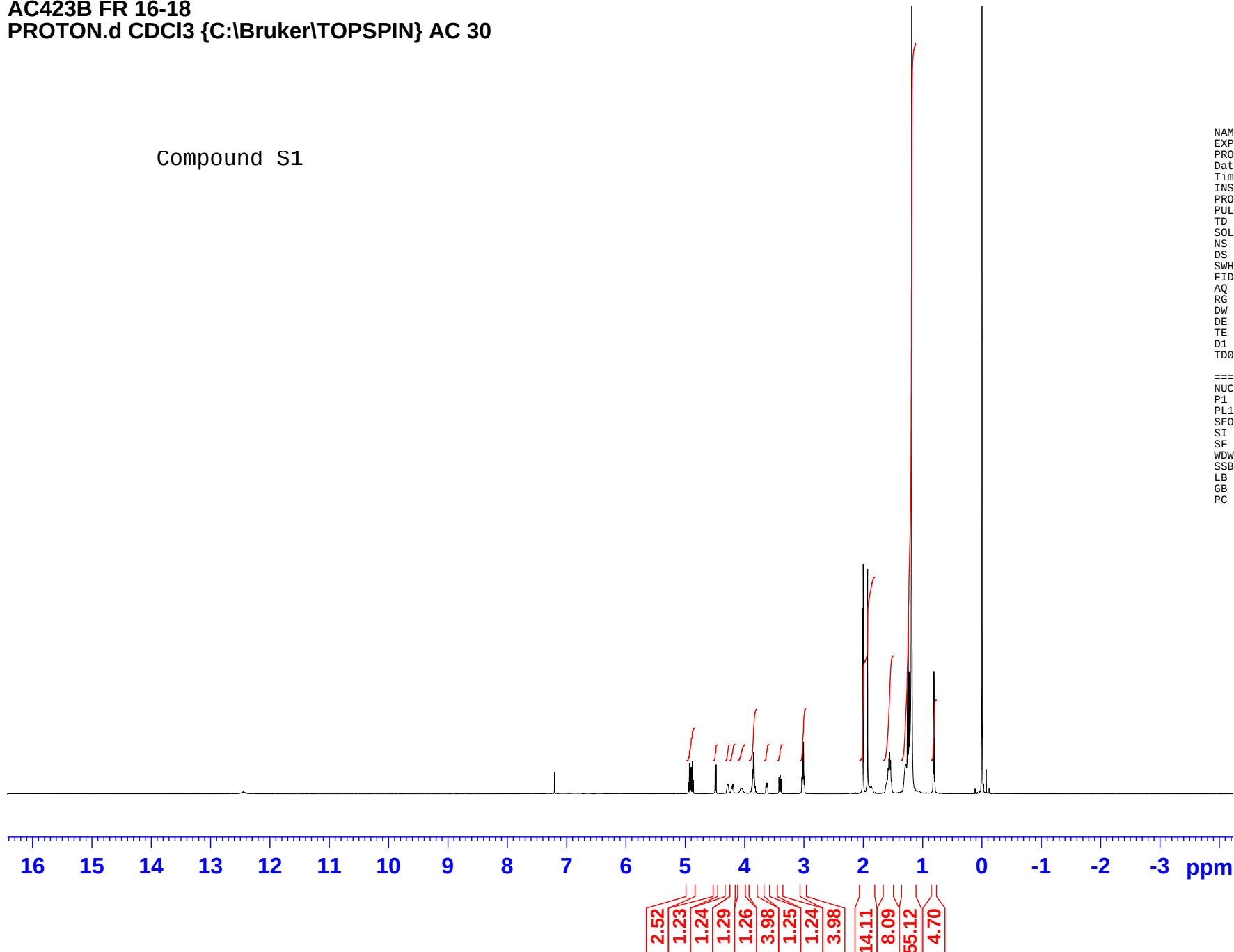
AC423B FR 16-18
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 30

Compound S1



NAME AC-AC423B
EXPNO 1
PROCNO 1
Date_ 20130702
Time 12.30
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 64
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -0.60 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300401 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



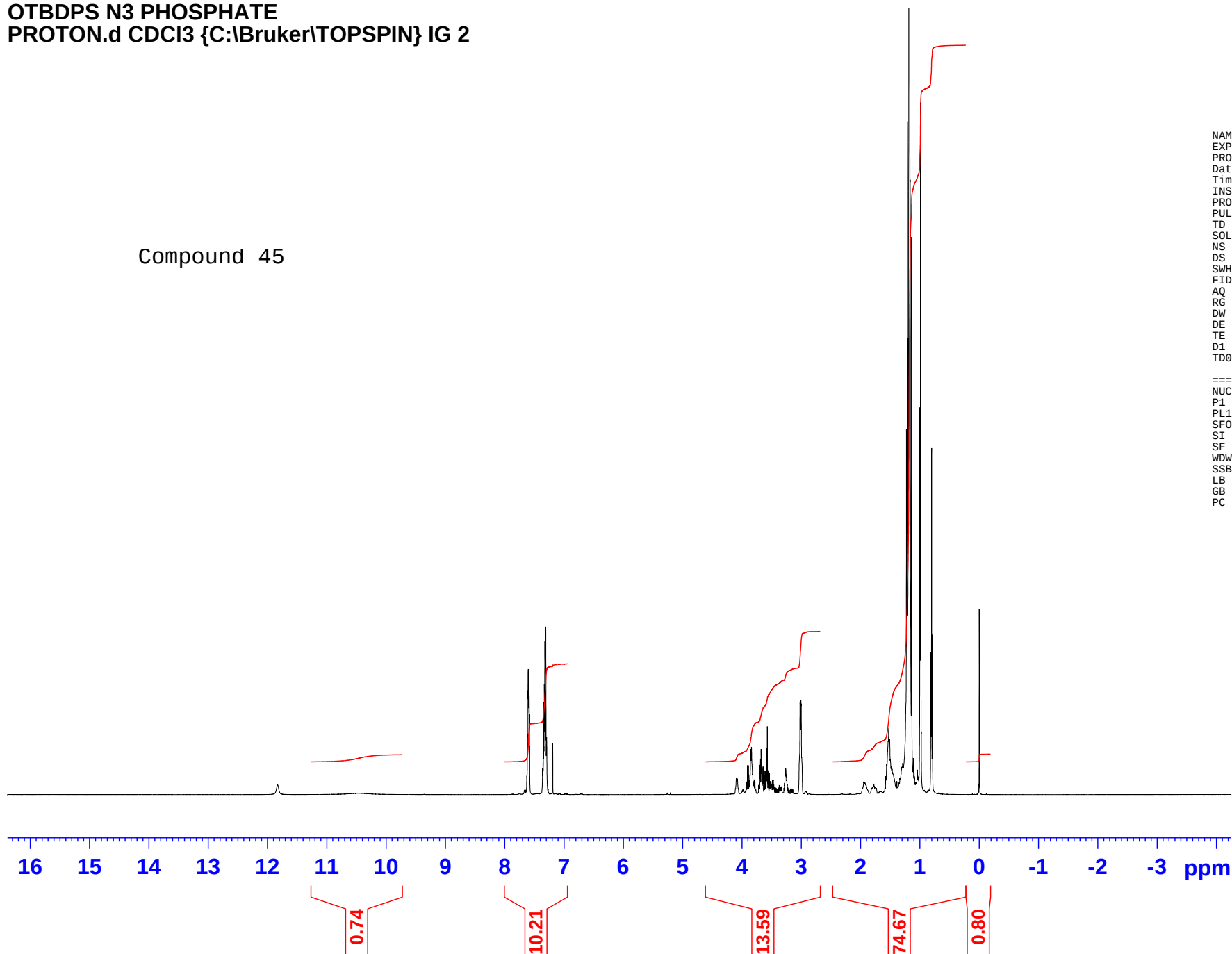
OTBDPS N3 PHOSPHATE
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 2

Compound 45



NAME IG-AC-OTBDPSN3 PHOSPHATE
EXPNO 1
PROCNO 1
Date_ 20100402
Time 10.24
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 40.3
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

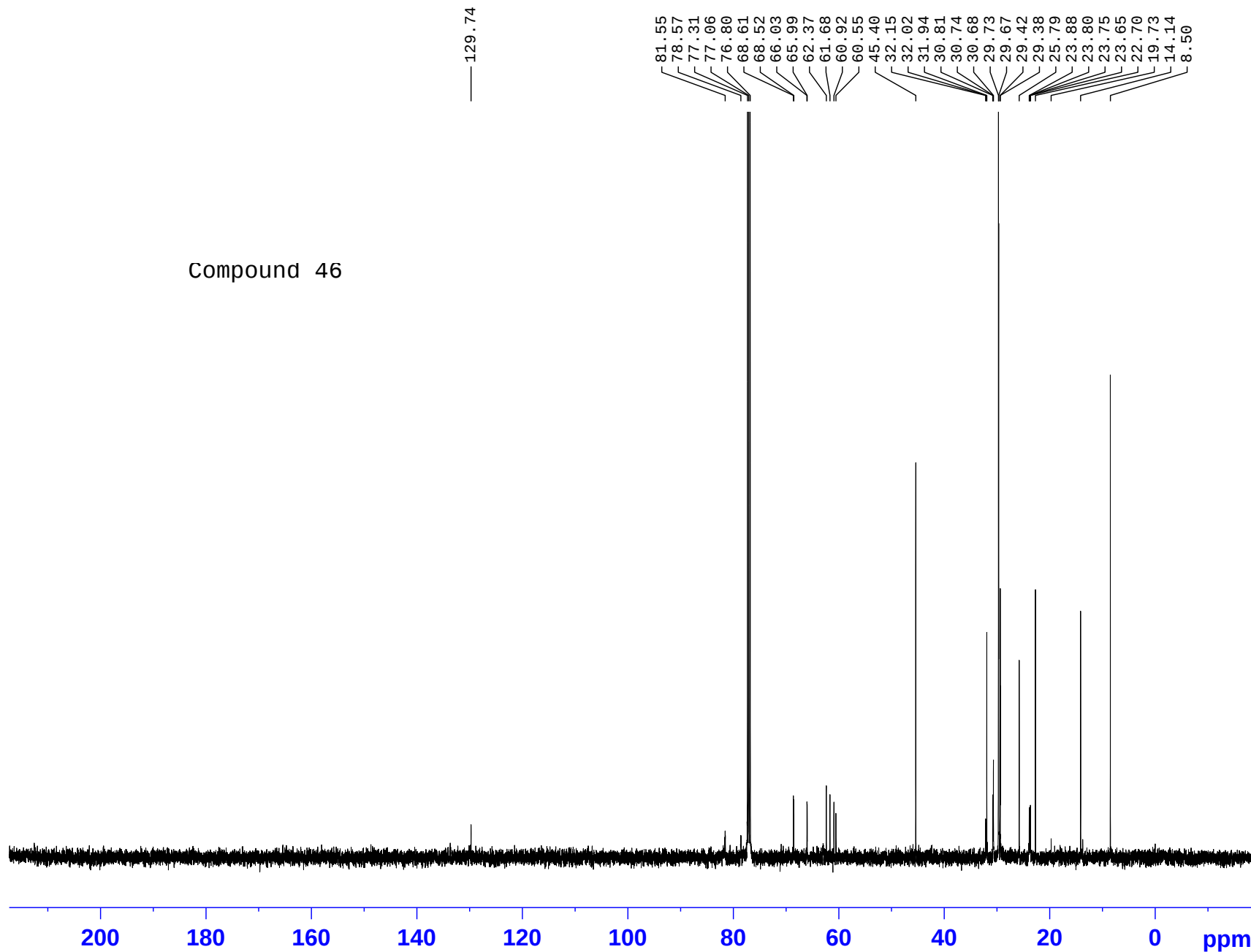
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300477 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



OH N3 CYCHEXDIOLPHOS
C13CPD.d CDCl3 {C:\Bruker\TOPSPIN} IG 4



Compound 46



NAME IG-AC-OHN3CYCHEXDIOLPHOS
EXPNO 3
PROCNO 1
Date_ 20100513
Time 10.52
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.3 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

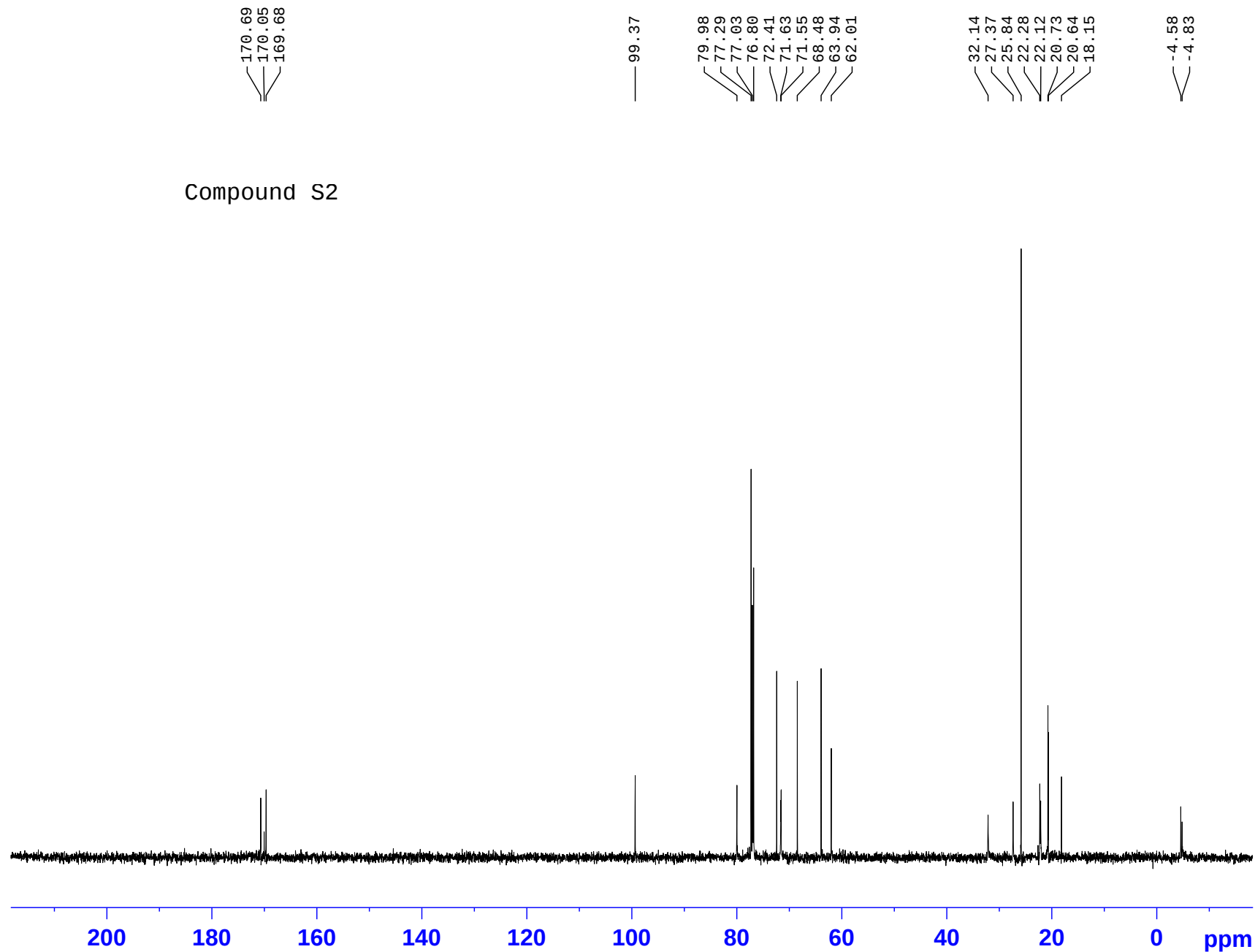
===== CHANNEL f1 =====
NUC1 13C
P1 7.80 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

AC426
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 18



Compound S2



NAME AC-AC426
EXPNO 4
PROCNO 1
Date_ 20110526
Time 10.38
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCl3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.0 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

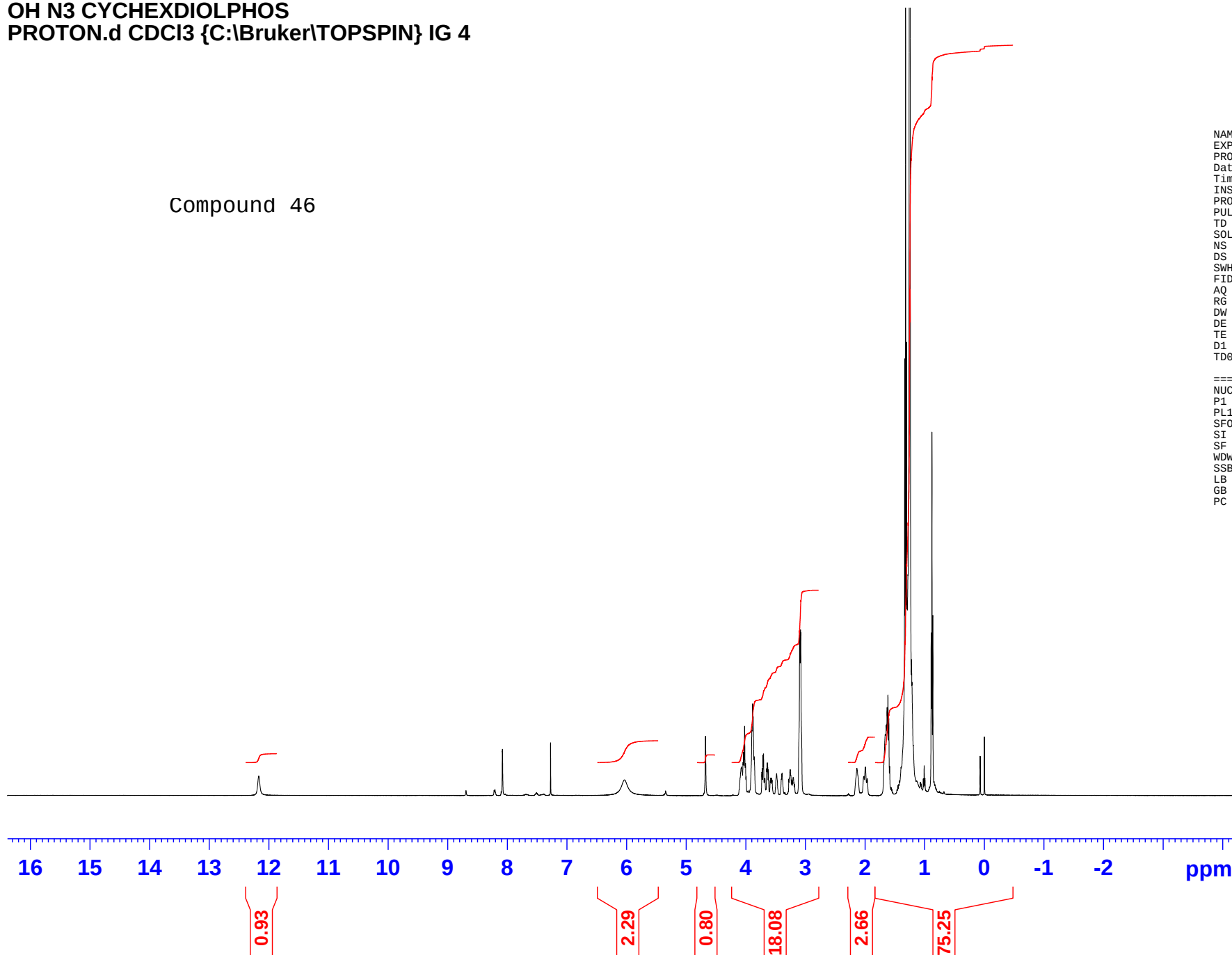
OH N3 CYCHEXDIOLPHOS
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} IG 4

Compound 46



NAME IG-AC-OHN3CYCHEXDIOLPHOS
EXPNO 1
PROCNO 1
Date_ 20100513
Time 10.27
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 71.8
DW 48.400 usec
DE 6.00 usec
TE 293.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300056 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



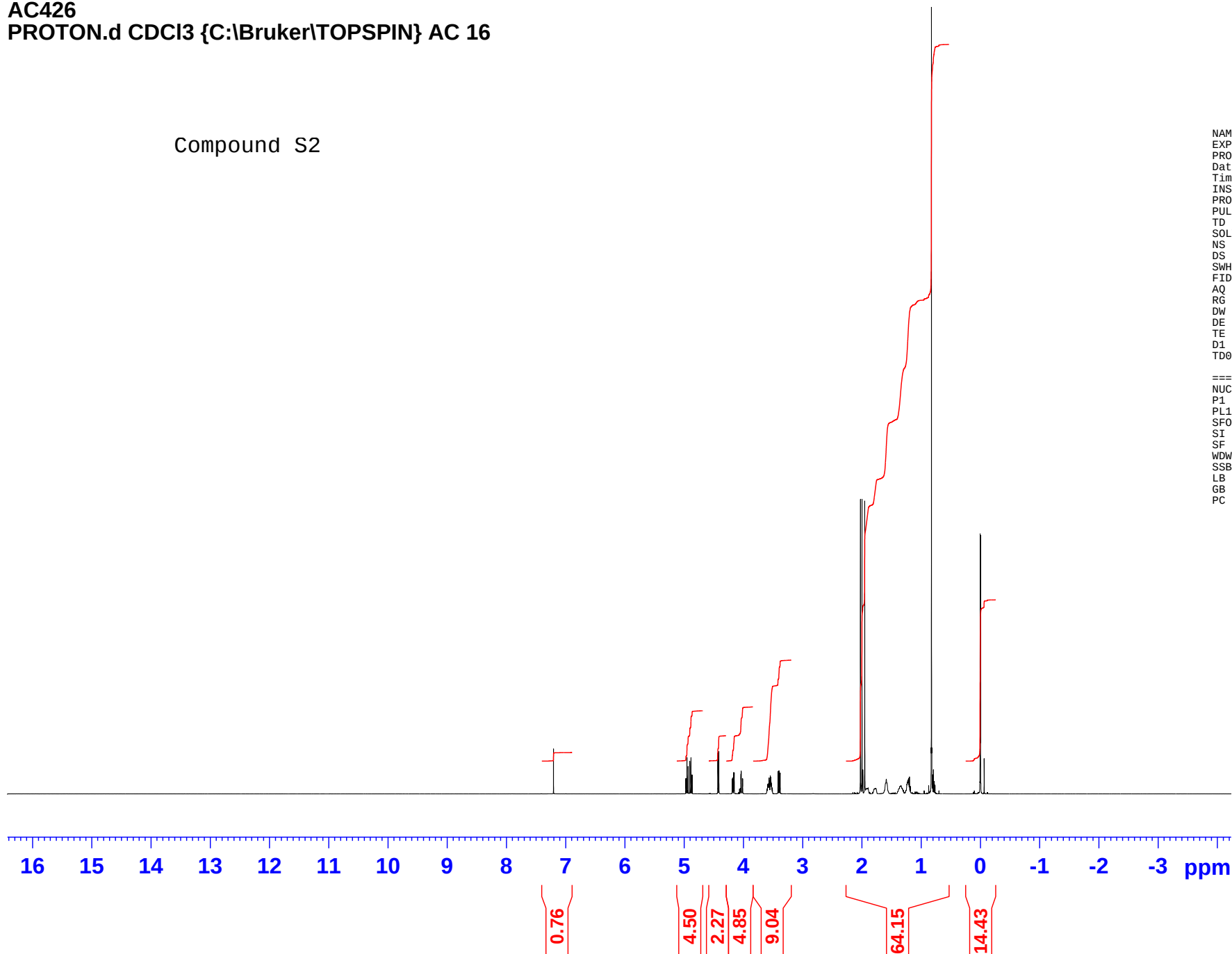
AC426
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 16

Compound S2



NAME AC-AC426
EXPNO 1
PROCNO 1
Date_ 20110526
Time 10.04
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 161
DW 48.400 usec
DE 6.00 usec
TE 293.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300398 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC428B
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 2



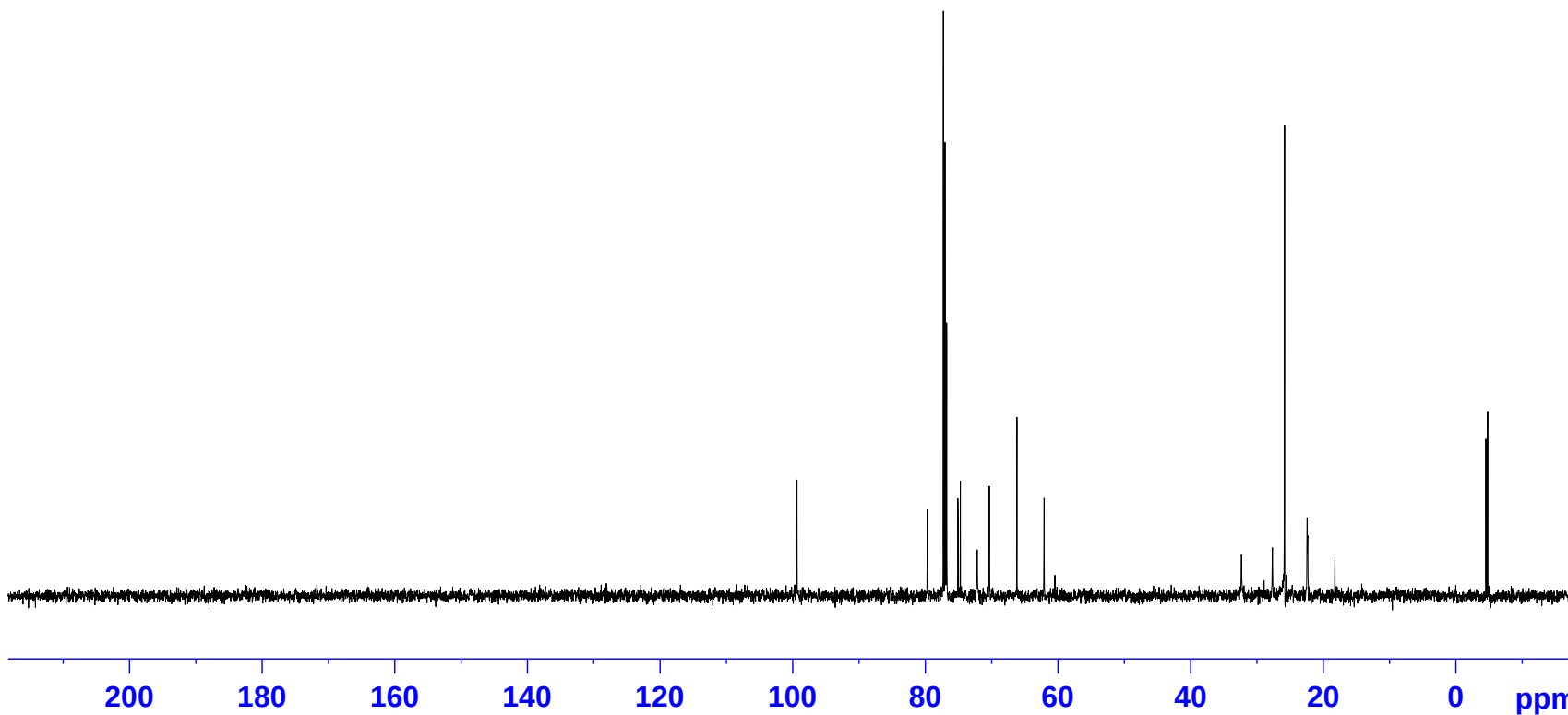
Compound S3

99.36
79.69
77.29
77.03
76.79
75.09
74.72
72.18
70.36
66.20
62.10
60.48
32.34
27.67
25.84
25.58
22.43
18.25
-4.53
-4.79

NAME AC-AC428B
EXPNO 2
PROCNO 1
Date_ 20110614
Time 10.12
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCl3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 294.8 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



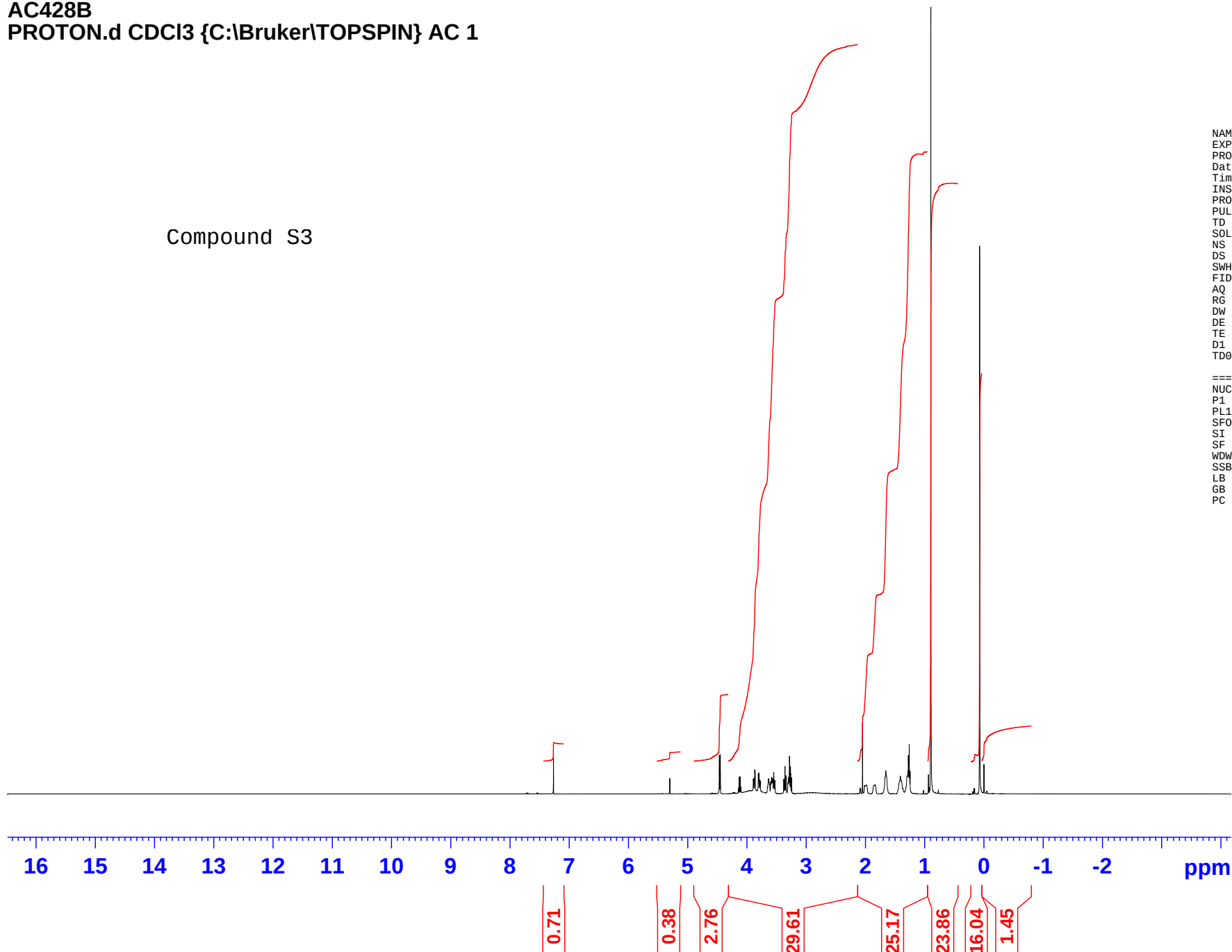
AC428B
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 1

Compound S3



NAME AC-AC428B
EXPNO 1
PROCNO 1
Date_ 20110614
Time 9.54
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 181
DW 48.400 usec
DE 6.00 usec
TE 293.9 K
D1 1.00000000 sec
TD0 1

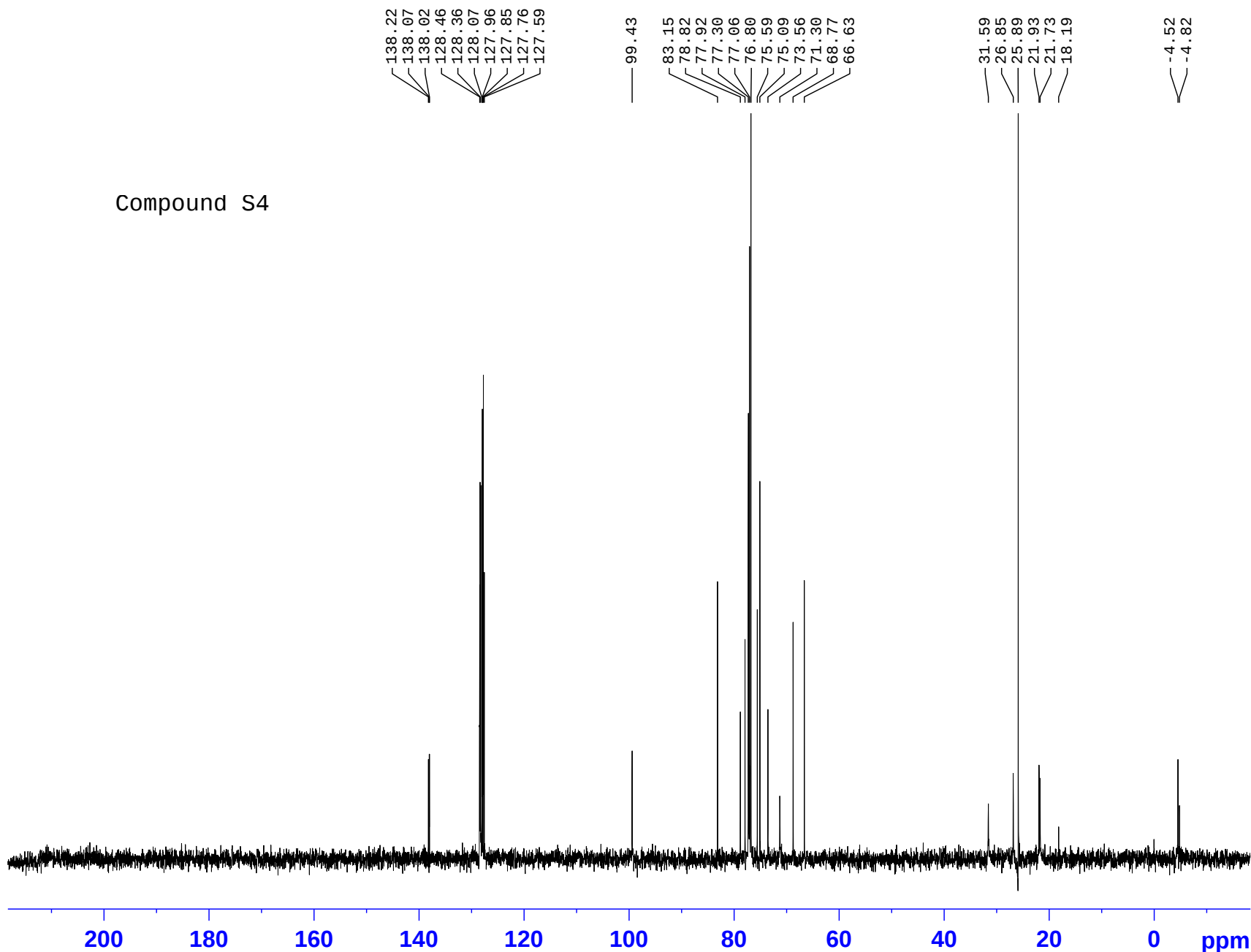
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300102 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC430
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 2



Compound S4



```

NAME          AC-AC430
EXPNO         4
PROCNO        1
Date_         20110624
Time          10.34
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgpg30
TD            16384
SOLVENT       CDCl3
NS            800
DS            4
SWH           29761.904 Hz
FIDRES        1.816522 Hz
AQ            0.2753012 sec
RG            2050
DW            16.800 usec
DE            6.00 usec
TE            294.7 K
D1            0.30000001 sec
d11           0.03000000 sec
DELTA         0.20000002 sec
TD0           1

===== CHANNEL f1 =====
NUC1           13C
P1             8.18 usec
PL1            0.00 dB
SF01          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2           1H
PCPD2         80.00 usec
PL2           -1.00 dB
PL12          16.00 dB
PL13          16.00 dB
SF02          500.1320005 MHz
SI            8192
SF            125.7577890 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.40
  
```

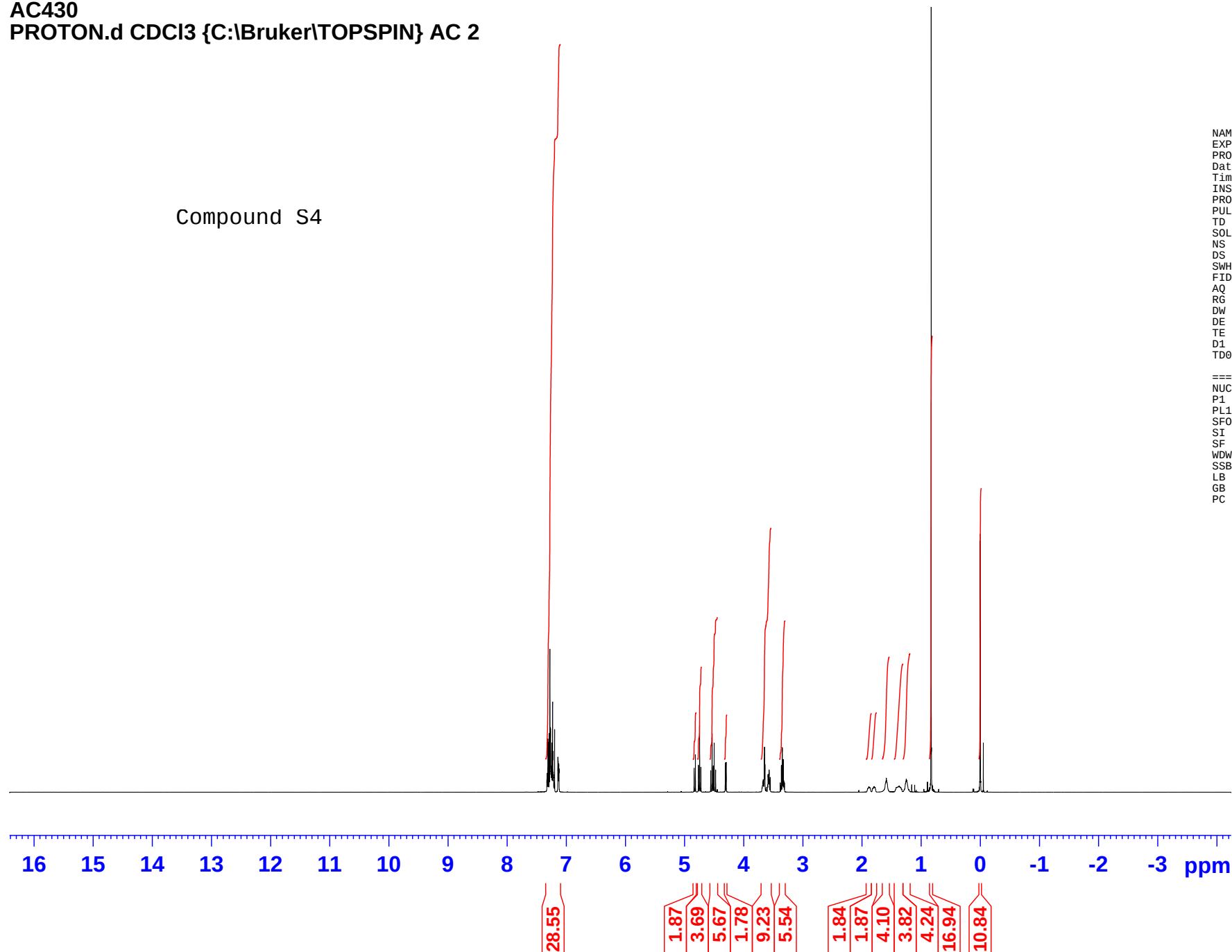
AC430
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 2

Compound S4



NAME AC-AC430
EXPNO 2
PROCNO 1
Date_ 20110624
Time 10.14
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 181
DW 48.400 usec
DE 6.00 usec
TE 293.7 K
D1 1.00000000 sec
TD0 1

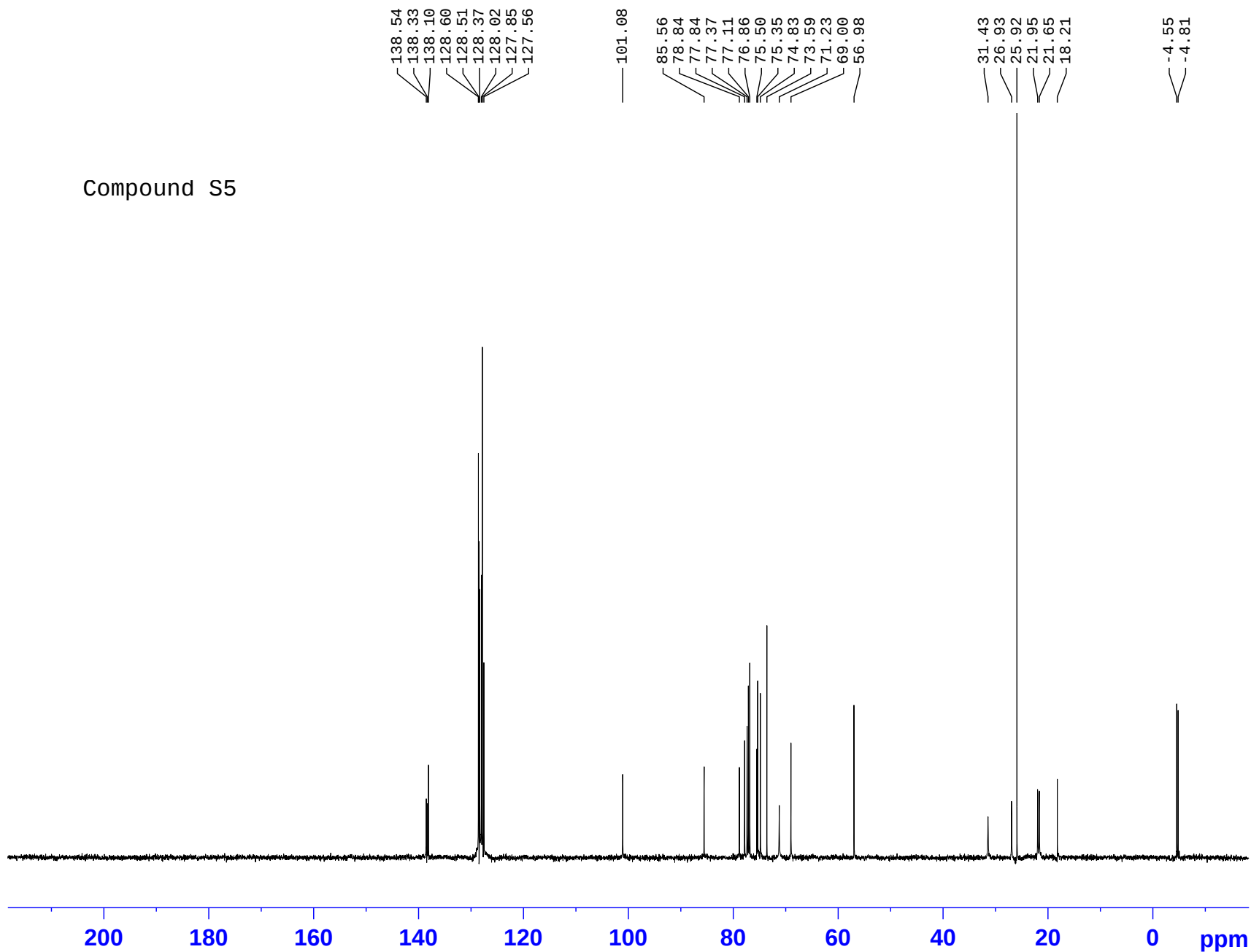
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300443 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC432 AMINE
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 10



Compound S5



NAME AC-AC432NH2
EXPNO 9
PROCNO 1
Date_ 20111014
Time 11.42
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCl3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 295.4 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

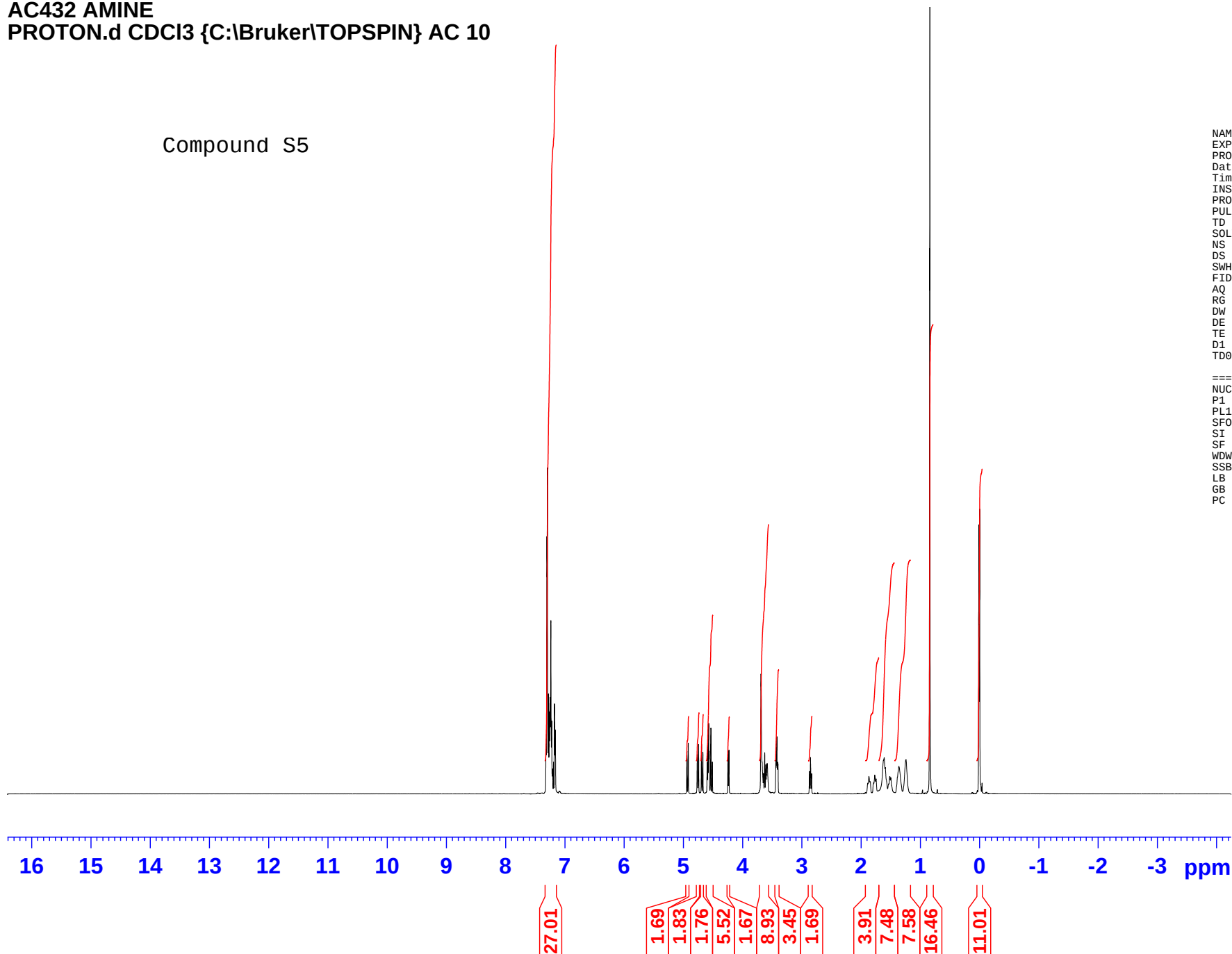
AC432 AMINE
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 10

Compound S5



NAME AC-AC432NH2
EXPNO 7
PROCNO 1
Date_ 20111014
Time 11.23
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 50.8
DW 48.400 usec
DE 6.00 usec
TE 294.4 K
D1 1.00000000 sec
TD0 1

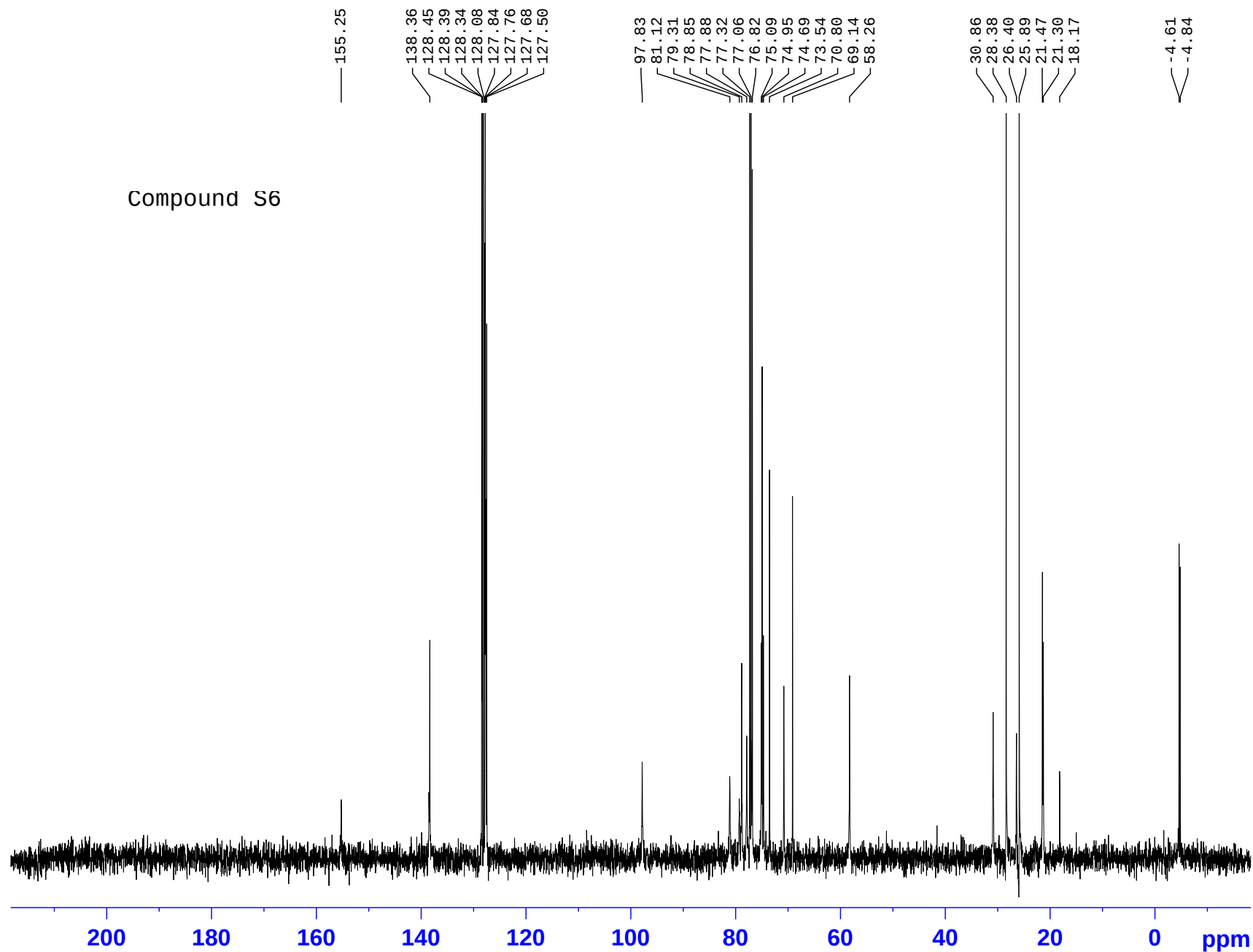
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300465 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC432 BOC
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 14



Compound S6



```

NAME          AC-AC432BOC
EXPNO         8
PROCNO        1
Date_         20111024
Time          15.15
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgpg30
TD            16384
SOLVENT       CDCl3
NS            800
DS            4
SWH           29761.904 Hz
FIDRES        1.816522 Hz
AQ            0.2753012 sec
RG            2050
DW            16.800 usec
DE            6.00 usec
TE            295.1 K
D1            0.30000001 sec
d11           0.03000000 sec
DELTA         0.20000002 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            8.18 usec
PL1           0.00 dB
SF01          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           -1.00 dB
PL12          16.00 dB
PL13          16.00 dB
SF02          500.1320005 MHz
SI            8192
SF            125.7577890 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.40
  
```

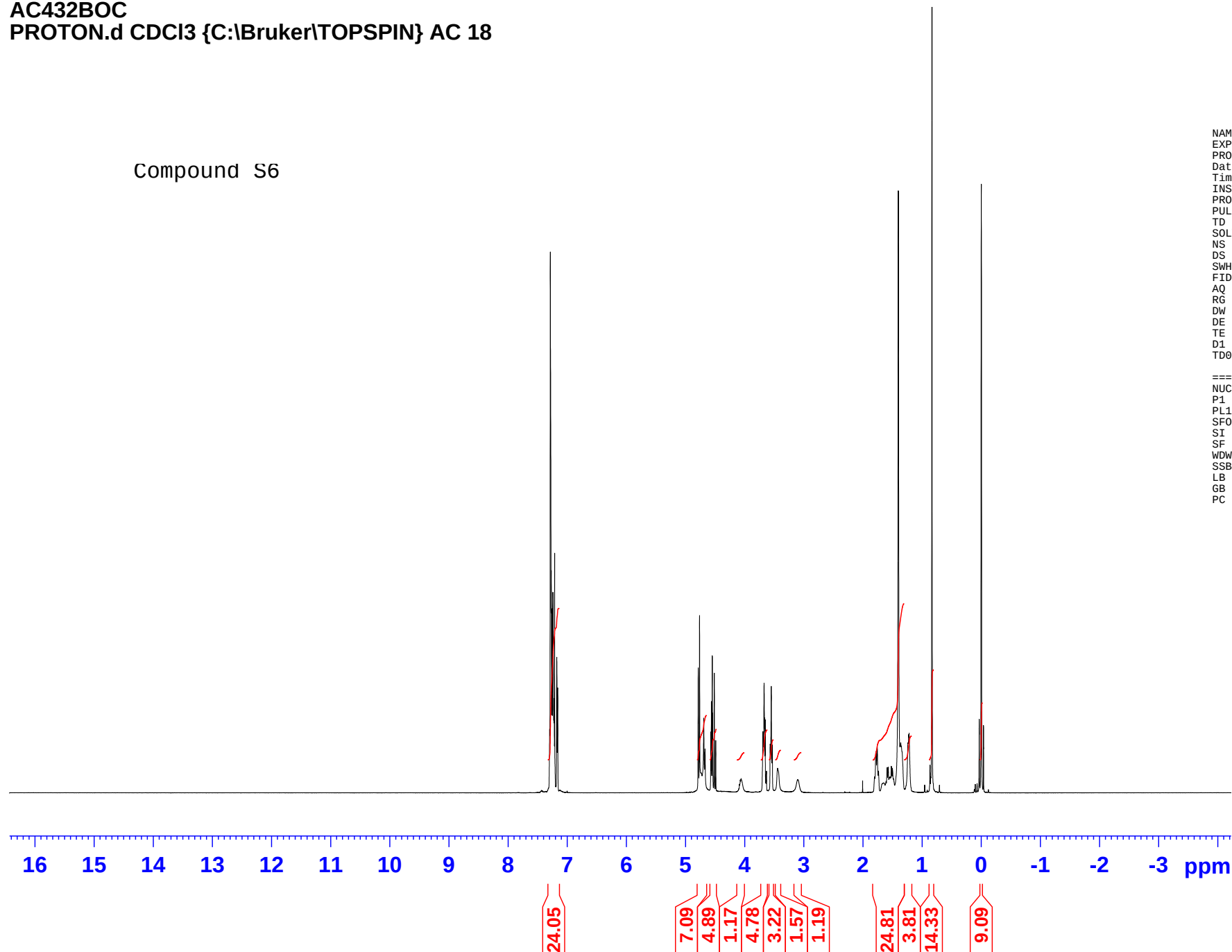
AC432BOC
PROTON.d CDCI3 {C:\Bruker\TOPSPIN} AC 18

Compound S6



NAME AC-AC432BOC
EXPNO 1
PROCNO 1
Date_ 20110721
Time 9.54
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCI3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 101
DW 48.400 usec
DE 6.00 usec
TE 294.3 K
D1 1.00000000 sec
TD0 1

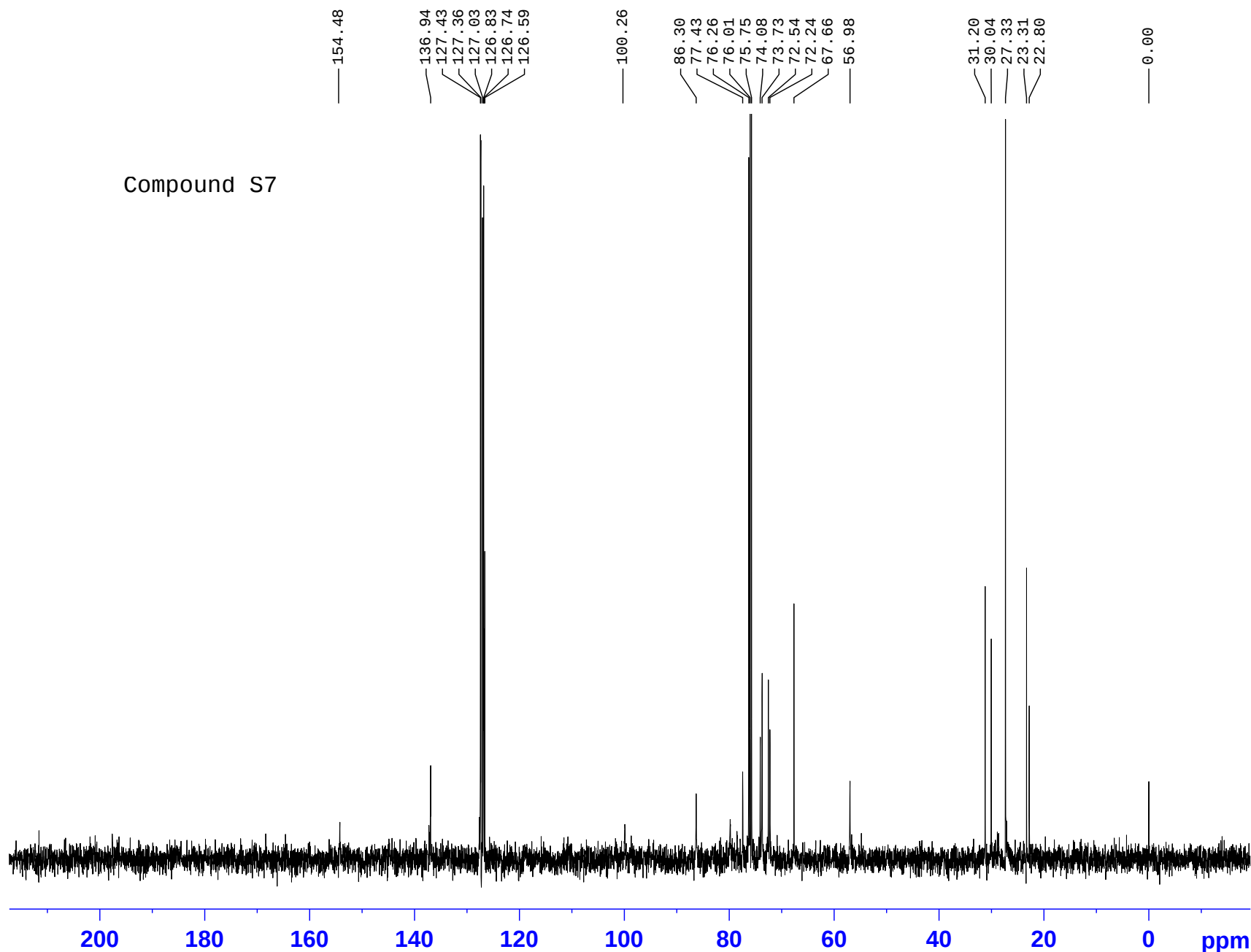
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300363 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC440C AFTER PUR.
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 16



Compound S7



```

NAME          AC-AC440C
EXPNO         5
PROCNO        1
Date_         20111004
Time          9.59
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgpg30
TD            16384
SOLVENT       CDCl3
NS            800
DS            4
SWH           29761.904 Hz
FIDRES        1.816522 Hz
AQ            0.2753012 sec
RG            2050
DW            16.800 usec
DE            6.00 usec
TE            295.4 K
D1            0.30000001 sec
d11           0.03000000 sec
DELTA         0.20000002 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            8.18 usec
PL1           0.00 dB
SF01          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           -1.00 dB
PL12          16.00 dB
PL13          16.00 dB
SF02          500.1320005 MHz
SI            8192
SF            125.7579211 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.40

```

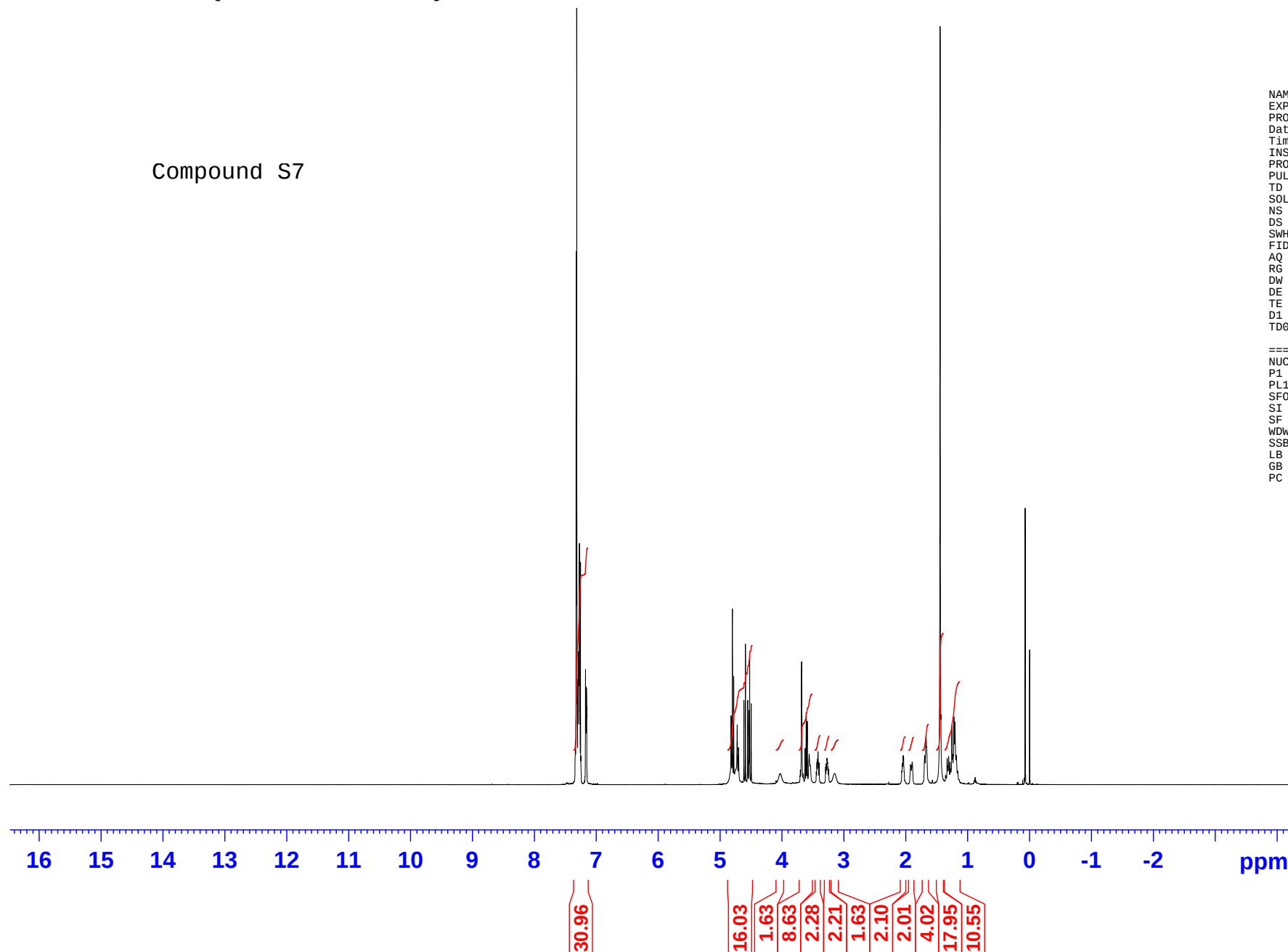
AC440C AFTER PUR.
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 16

Compound S7



NAME AC-AC440C
EXPNO 3
PROCNO 1
Date_ 20111004
Time 9.39
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 203
DW 48.400 usec
DE 6.00 usec
TE 294.4 K
D1 1.00000000 sec
TD0 1

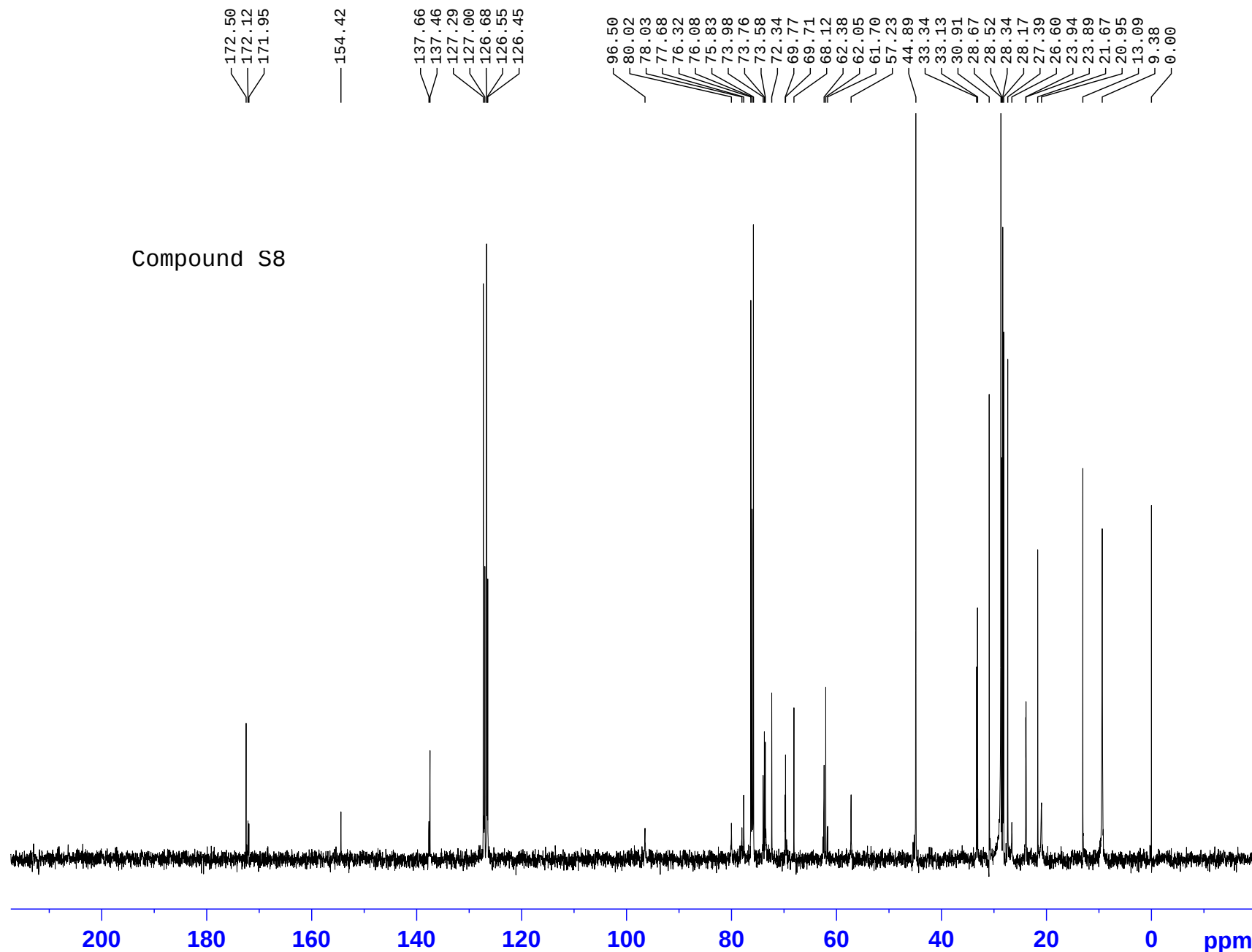
===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300158 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC444
C13CPDfast.d CDCl3 {C:\Bruker\TOPSPIN} AC 22



Compound S8



NAME AC-AC444
EXPNO 5
PROCNO 1
Date_ 20111104
Time 15.00
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 16384
SOLVENT CDCl3
NS 800
DS 4
SWH 29761.904 Hz
FIDRES 1.816522 Hz
AQ 0.2753012 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.2 K
D1 0.30000001 sec
d11 0.03000000 sec
DELTA 0.20000002 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 8192
SF 125.7579140 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

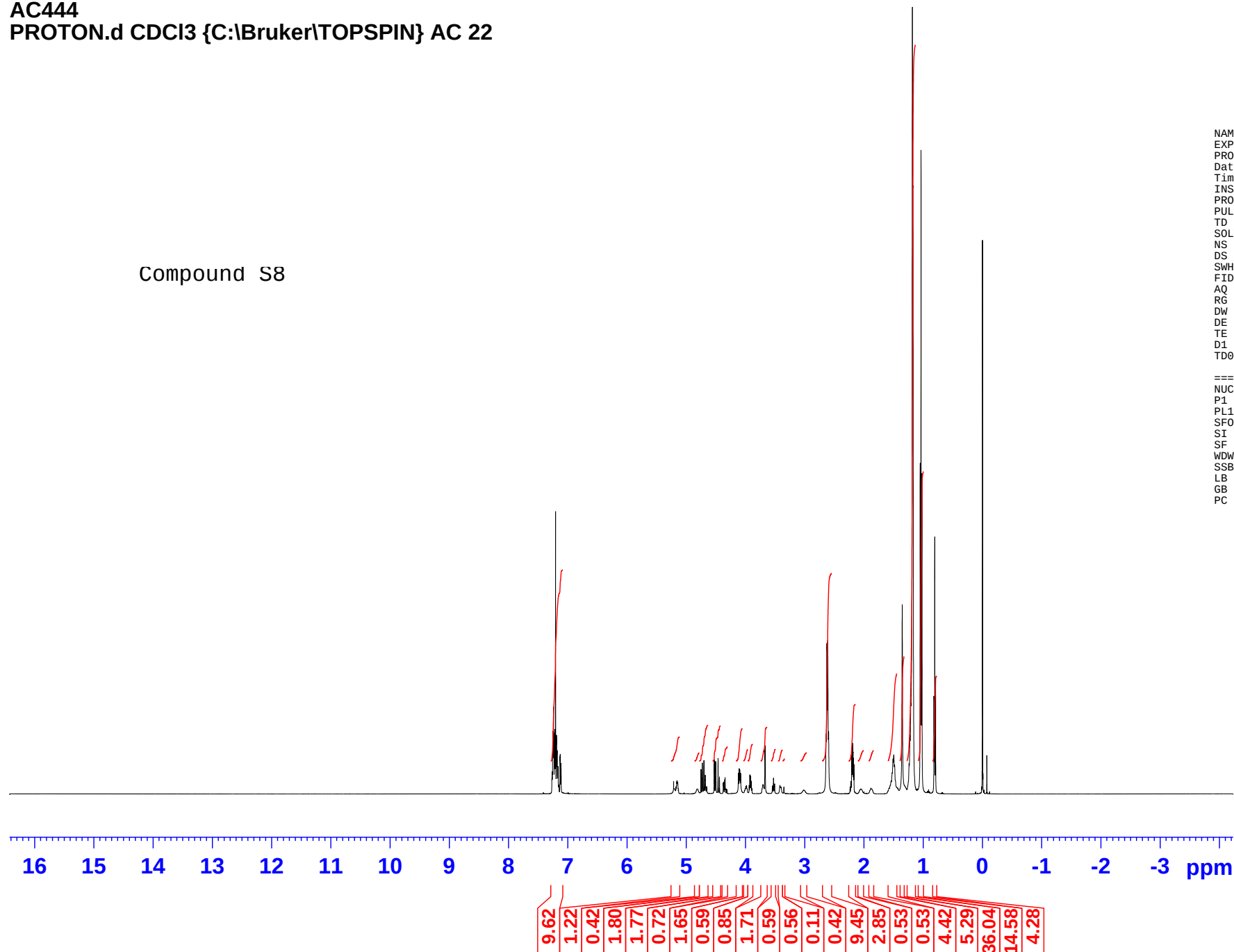
AC444
PROTON.d CDCl3 {C:\Bruker\TOPSPIN} AC 22

Compound S8



NAME AC-AC444
EXPNO 3
PROCNO 1
Date_ 20111104
Time 14.40
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 45.2
DW 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1300396 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40



AC445C
C13CPDlong.d MeOD {C:\Bruker\TOPSPIN} AC 26

174.54
174.15
157.75

Compound S9

101.56
79.88
78.36
78.10
77.84
76.67
74.53
71.09
70.75
63.98
63.22
57.71
49.80
49.46
49.29
49.12
48.95
48.78
48.61
48.43
46.92
34.73
34.57
32.41
30.18
30.14
30.02
30.00
29.84
29.81
29.63
28.61
25.41
25.37
23.41
23.13
14.28
8.93
0.00



NAME AC-AC445C
EXPNO 8
PROCNO 1
Date_ 20111122
Time 2.14
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT MeOD
NS 2048
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 295.5 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 8

===== CHANNEL f1 =====
NUC1 13C
P1 8.18 usec
PL1 0.00 dB
SF01 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.00 dB
PL12 16.00 dB
PL13 16.00 dB
SF02 500.1320005 MHz
SI 32768
SF 125.7577812 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

200 180 160 140 120 100 80 60 40 20 0 ppm

AC445
PROTON.d MeOD {C:\Bruker\TOPSPIN} AC 20

Compound S9



NAME AC-AC445C
EXPNO 1
PROCNO 1
Date_ 20111121
Time 14.45
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 144
DW 48.400 usec
DE 6.00 usec
TE 294.4 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.20 usec
PL1 -1.00 dB
SF01 500.1330885 MHz
SI 65536
SF 500.1299932 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40

