

J | A | C | S

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ACS Publications

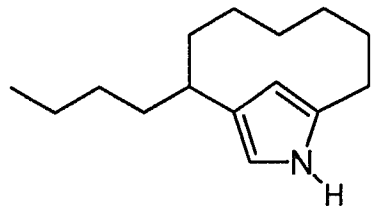
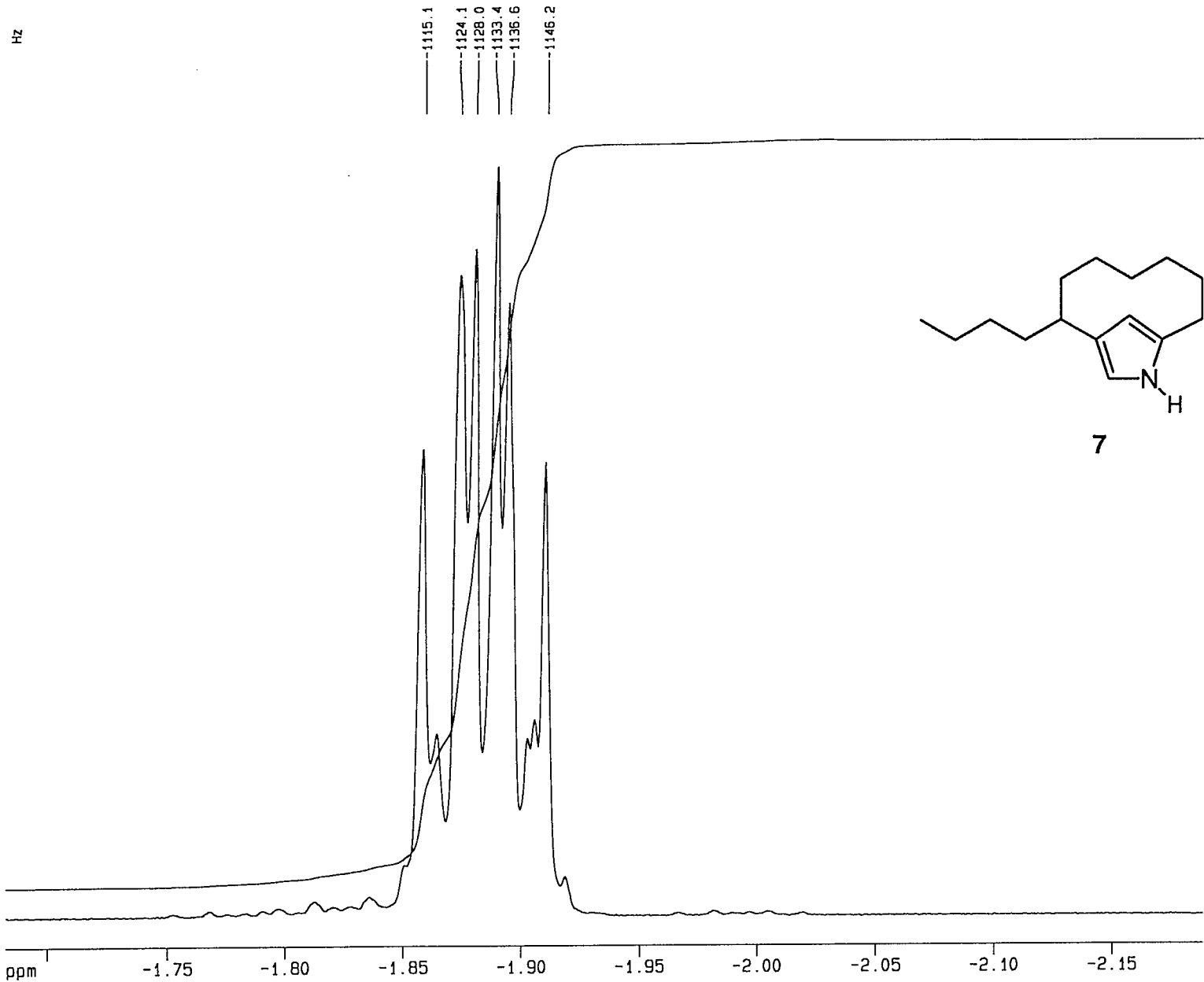
MOST TRUSTED. MOST CITED. MOST READ.

Copyright © 1998 American Chemical Society

S-41

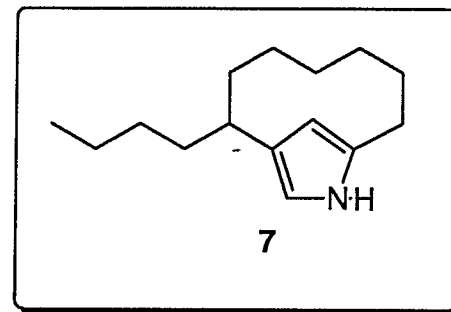
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w1r/sz108201/10/1
Y ex15.000 Hz/cm changed!
5.000 Hz/cm
Int. plot exp. factor: 11



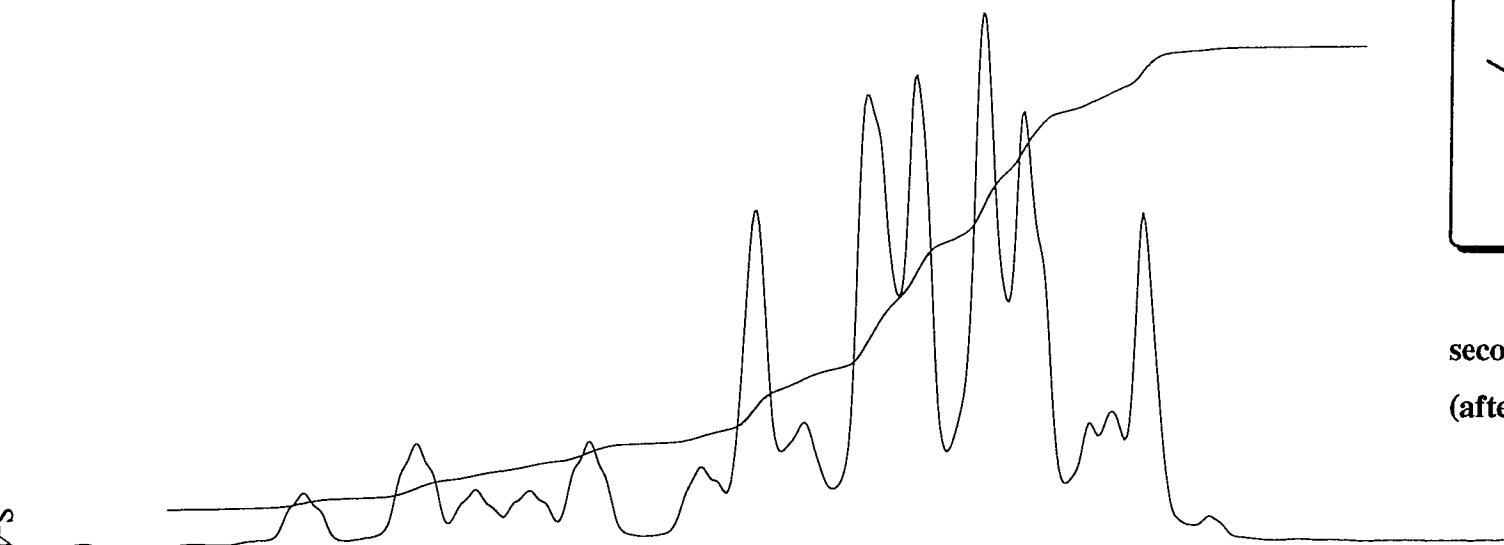
7

**RING FLIP VISIBLE IN THE
HIGH FIELD SIGNAL OF**

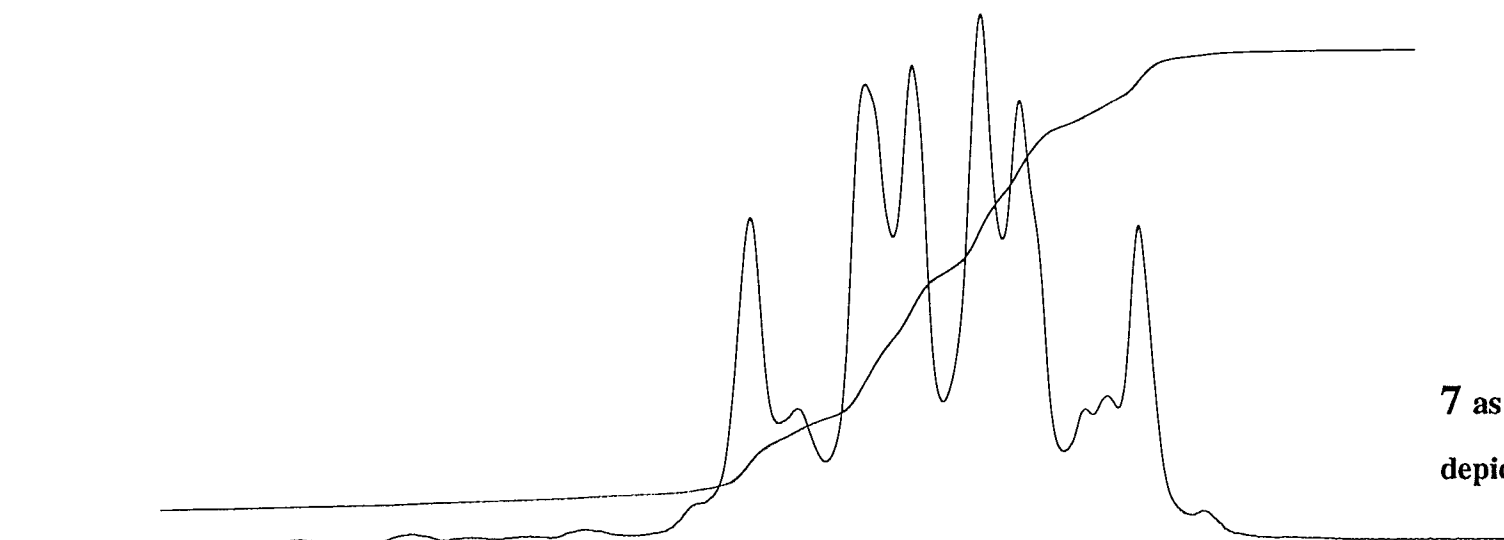


**second diastereomer evolving
(after 12 days at ambient temperature)**

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**7 as obtained by the synthesis
depicted in Scheme 6**



ppm -1.78 -1.80 -1.82 -1.84 -1.86 -1.88 -1.90 -1.92 -1.94

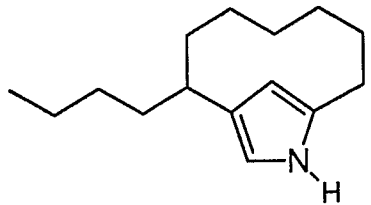
SZI-SB-082-01

ppm

132.763
130.173

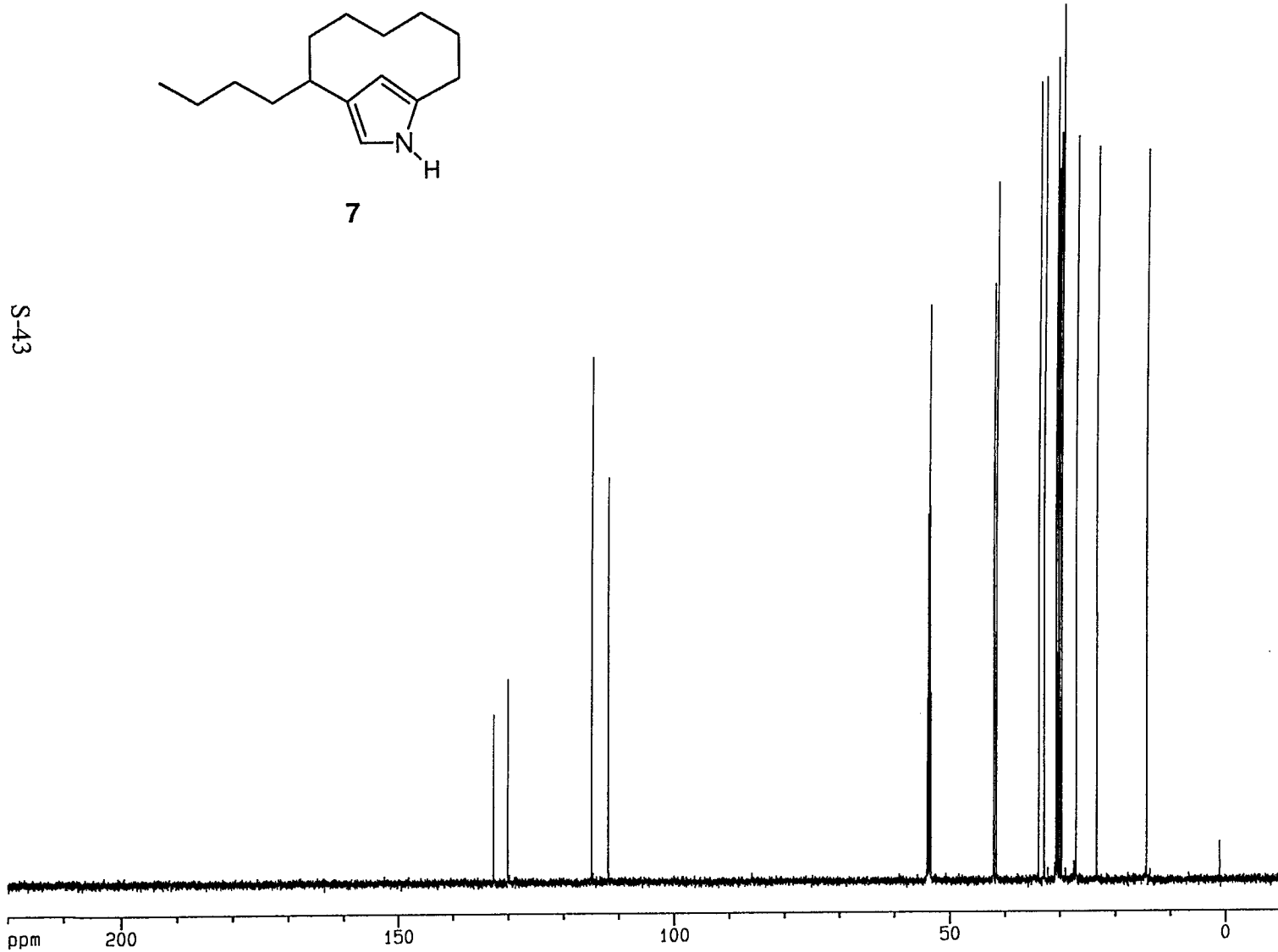
115.041
112.019

54.160
53.980
53.800
53.620
53.439
42.140
41.657
33.885
32.893
30.745
30.391
30.137
29.700
27.101
23.388
14.324



7

S-43



Current Data Parameters
 NAME sz108201
 EXPTNO 11
 PROCNO 1
 DU v
 USER wir

F2 - Acquisition Parameters
 Date_ 990318
 Time 13.34
 INSTRUM dmx600
 PROCNO 5 mm TXI 13C
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl2
 NS 3213
 DS 80
 SWH 37593.984 Hz
 AQ 0.8716788 sec
 RG 16384
 DW 13.300 usec
 DE 4.50 usec
 TE 303.0 K
 F1 16.10 usec
 DELTA 0.000205 sec
 D1 0.0300000 sec
 D12 0.0000000 sec
 PL2 0.00 dB
 P3 9.00 usec
 SF02 600.2217406 MHz
 NUC2 1H
 D2 0.00100000 sec
 P4 18.00 usec
 SF01 150.9419346 MHz
 NUC1 13C
 PL1 0.00 dB
 P2 22.00 usec
 PL12 17.00 dB
 DE 4.50 usec
 CPOPRG2 waltz16
 PCPD2 80.00 usec

F2 - Processing parameters
 SI 65536
 SF 150.9253777 MHz
 SR -1.31 Hz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 2.00

1D NMR plot parameters
 CX 20.00 cm
 CY 14.00 cm
 F1P 220.000 ppm
 F1 33203.58 Hz
 F2P -10.000 ppm
 F2 -1509.26 Hz
 PPMCH 11.50000 ppm/cm
 HZCM 1735.64209 Hz/cm

SZI-SB-082-01

ppm

7.771
7.765
7.749
7.743
7.267
7.246
7.244
7.242
7.240
7.237
7.224
7.222
7.219
7.217
7.215
5.649
5.627
5.624
5.607
5.582
5.579
4.843
4.213
4.160
4.152
4.145
4.075
4.069
4.061
4.008

2.399
2.102
2.035
2.028
2.020
2.005
1.617
1.341
1.336
1.331
1.321
1.317
1.308
1.299
1.294
1.284
1.273
1.204
0.881
0.858
0.853
0.849
0.837
0.833
0.000

Current Data Parameters
NAME nov14126
EXPNO 10
PROCNO 1
DU u
USER et

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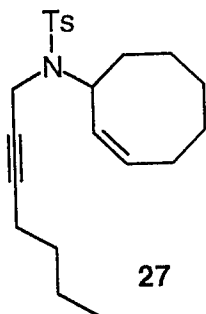
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Time 10.15
PULPROG zg30
SOLVENT CDCl3
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DW 80.0 usec
RG 256
NUCLEUS 1H
SF01 300.1349393 MHz
SF02 360.1319532 MHz
TE 302.0 K
HL1 0 dB
D1 1.0000000 sec
P1 6.8 usec
DE 100.0 usec
SF01 300.1349393 MHz
SWH 6249.97 Hz
TD 32768
NS 32
DS 2

F2 - Processing parameters

SI 32768
SF 300.1333654 MHz
SR 3365.40 Hz
HZpPT 0.1907 Hz
WDW EM
SSB 0
LB 0.00 Hz
GB 0
PC 8.00

1D NMR plot parameters

CX 22.10 cm
CY 14.00 cm
F1P 10.500 ppm
F1 3151.40 Hz
F2P -0.500 ppm
F2 -150.07 Hz
PPMCM 0.49774 ppm/cm
HZCM 149.38765 Hz/cm



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ppm

9 8 7 6 5 4 3 2 1 0

SZI-SA-059-01

Hz

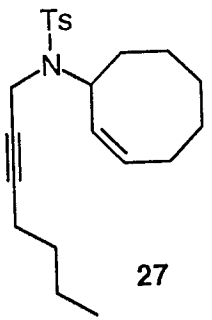
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- 1698.5
- 1695.5
- 1688.7
- 1687.8
- 1682.9
- 1678.8
- 1675.2
- 1674.3
- 1672.0
- 1664.5
- 1663.6

- 1455.3
- 1450.2
- 1458.1
- 1453.5
- 1448.7
- 1446.6
- 1441.6

- 1266.8
- 1264.6
- 1262.3
- 1248.5
- 1246.2
- 1244.0

- 1223.5
- 1221.2
- 1219.0
- 1205.1
- 1202.9
- 1200.6

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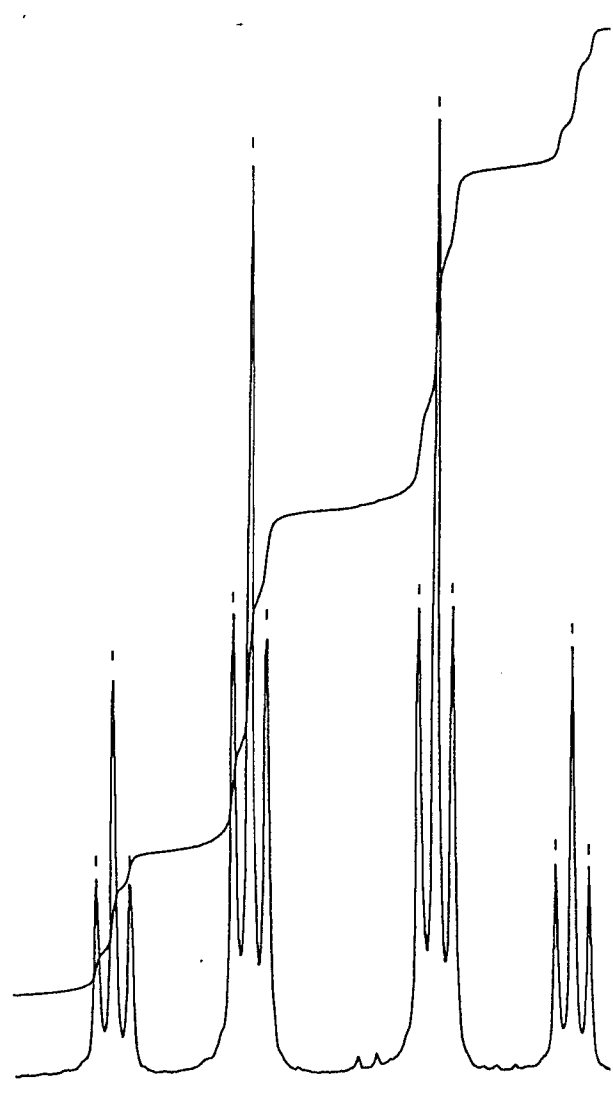
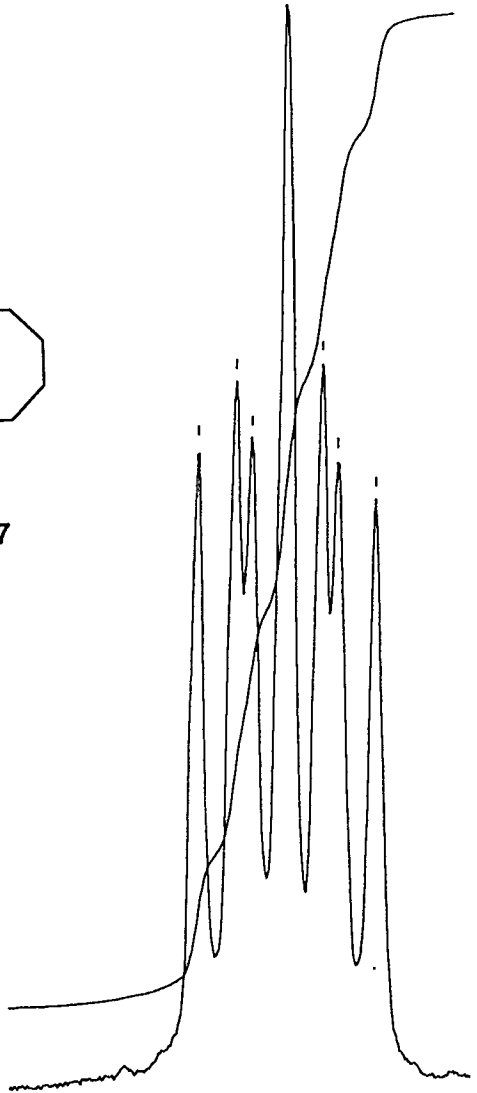
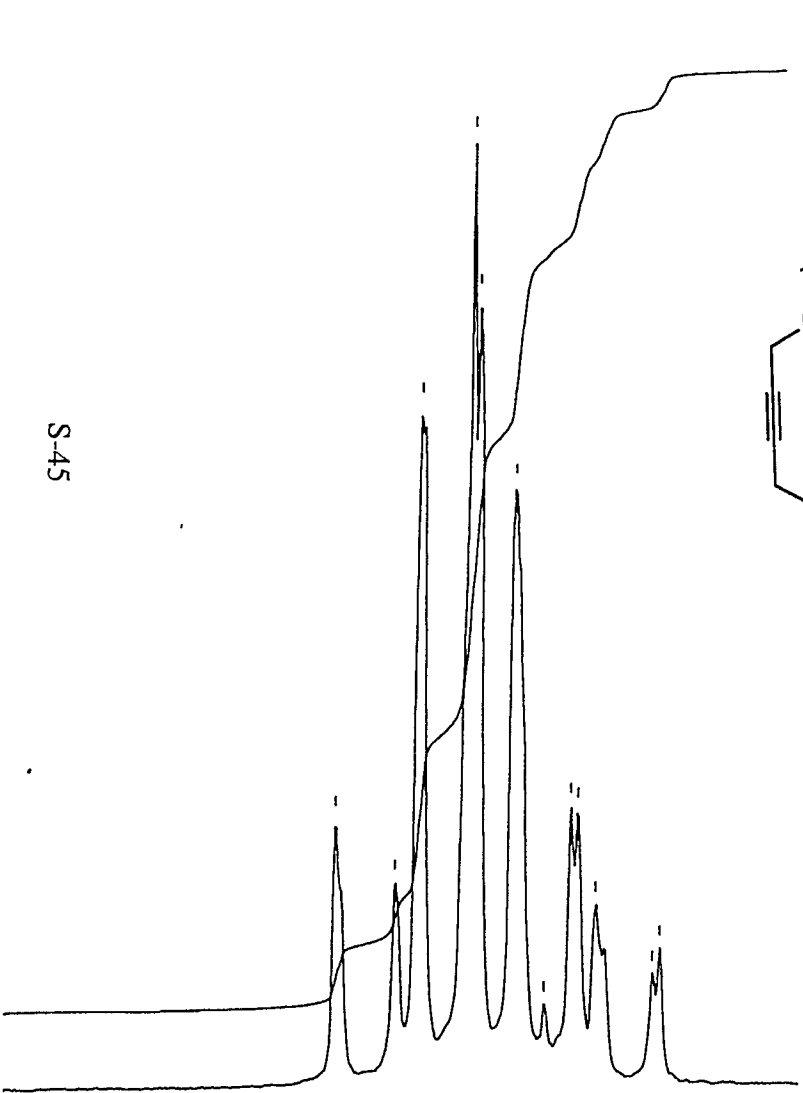
ppm

5.6

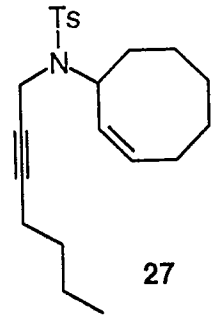
4.8

4.2

4.0



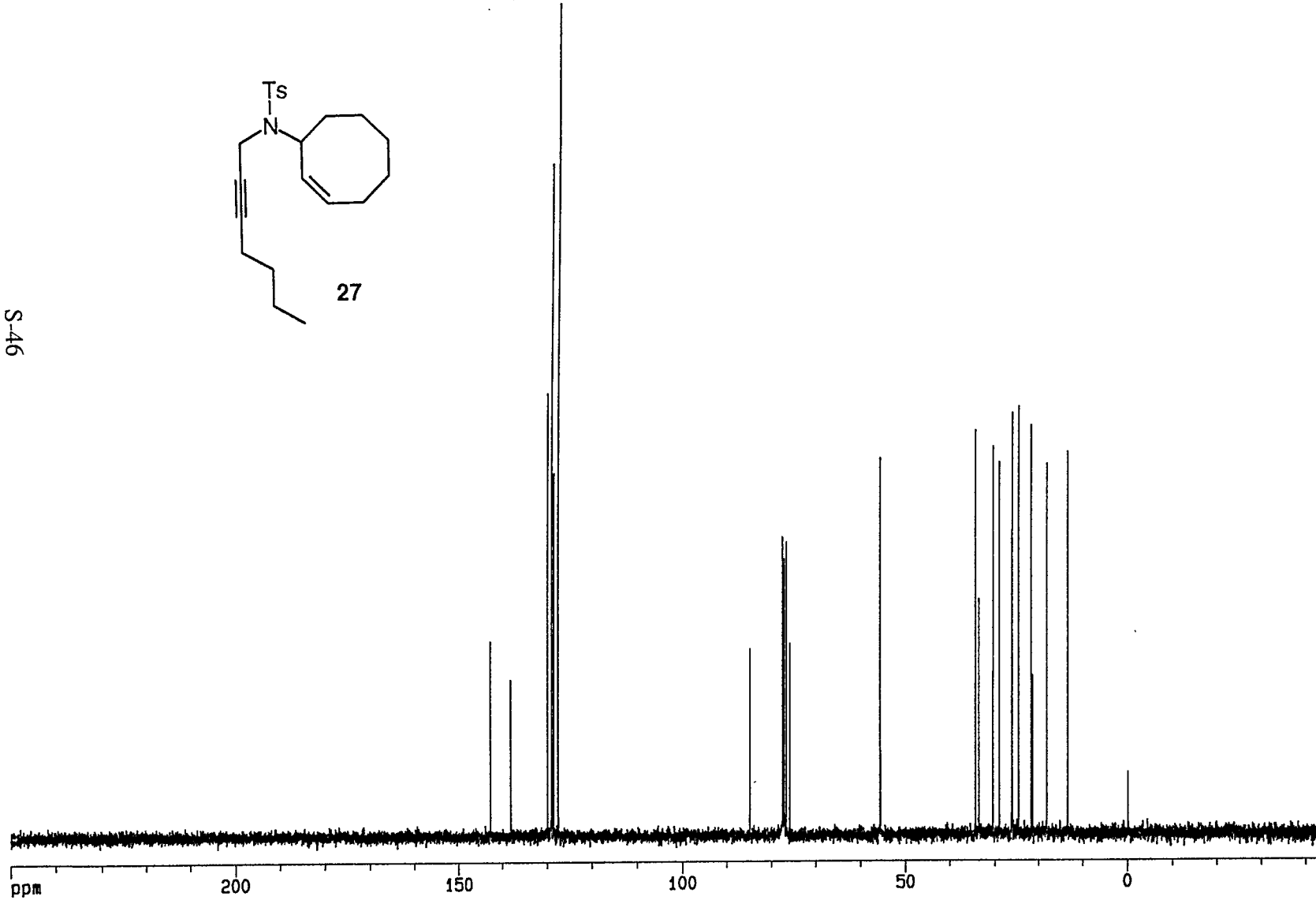
S-46 ppm



142.76
138.17
130.01
129.08
128.60
127.55

84.87
77.48
77.06
76.63
75.90

55.66
34.45
33.65
30.41
29.01
26.25
26.11
24.60
21.86
21.49
18.31
13.55
0.00



Current Data Parameters
 NAME nov14126
 EXPNO 11
 PROCNO 1
 DU u
 USER et

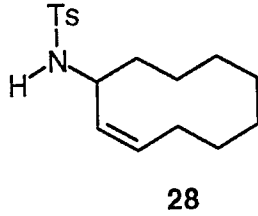
F2 - Acquisition Parameters
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 Time 10.24
 PULPROG zgdc30
 SOLVENT CDC13
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 DW 15.0 usec
 RG 16384
 NUCLEUS 13C
 SF01 75.4815977 MHz
 SF02 300.1344003 MHz
 TE 302.0 K
 D11 0.0300000 sec
 P31 100.0 usec
 S2 27 dB
 HL1 0 dB
 D1 0.0300000 sec
 P1 5.7 usec
 DE 21.4 usec
 SF01 75.4815977 MHz
 SMH 33333.16 Hz
 TD 65536
 NS 2000
 DS 16

F2 - Processing parameters
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 SR -1410.77 Hz
 HZpPT 1.0172 Hz
 MDW EM
 SSB 0
 LB 0.80 Hz
 GB 0
 PC 2.00

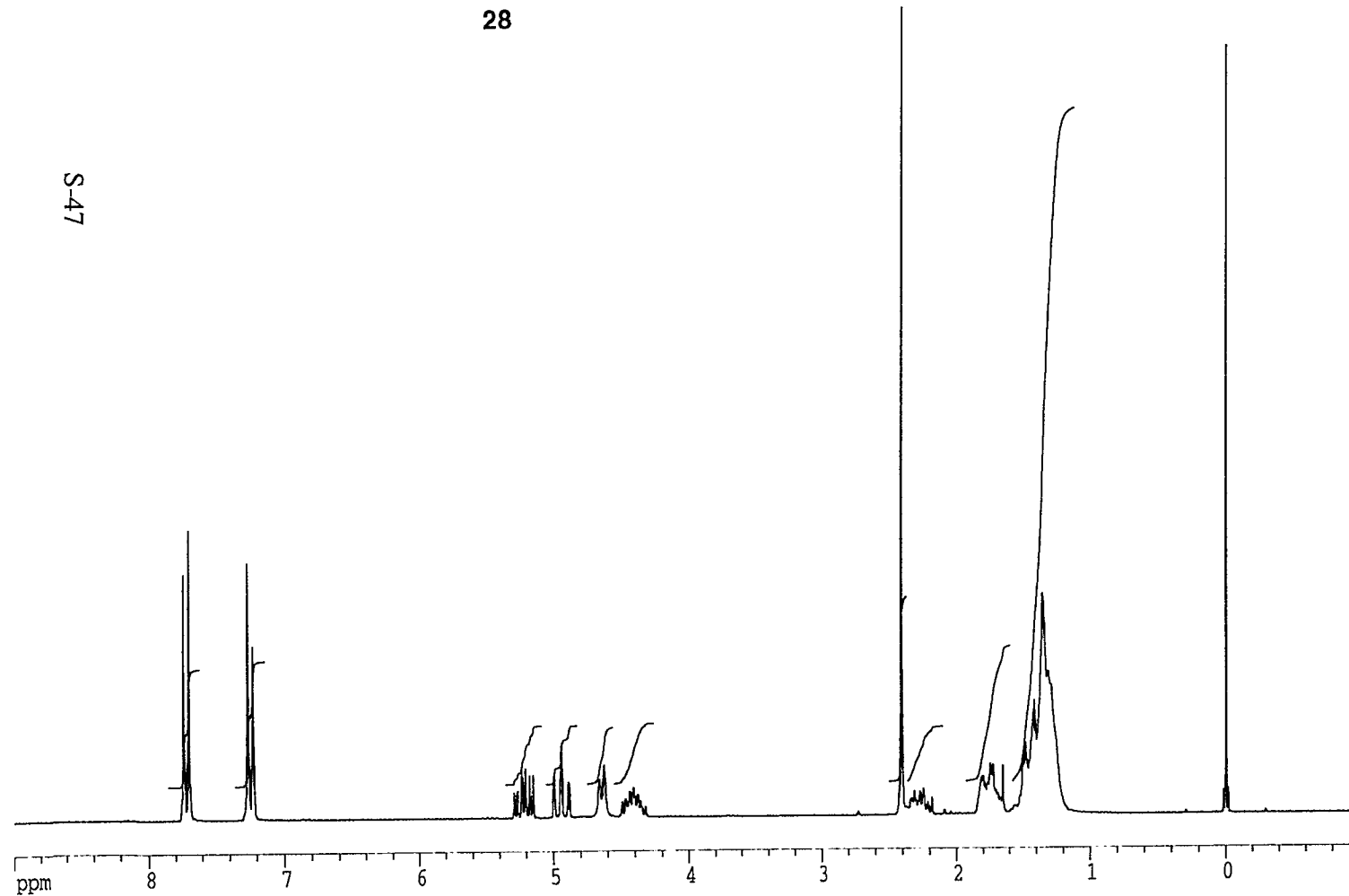
1D NMR plot parameters
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 CY 14.00 cm
 F1P 250.000 ppm
 F1 18867.15 Hz
 F2P -42.900 ppm
 F2 -3237.60 Hz
 PPMCM 13.25339 ppm/cm
 HZCM 1000.21490 Hz/cm

SZI-SA-059-01

SZI-SA-031-01



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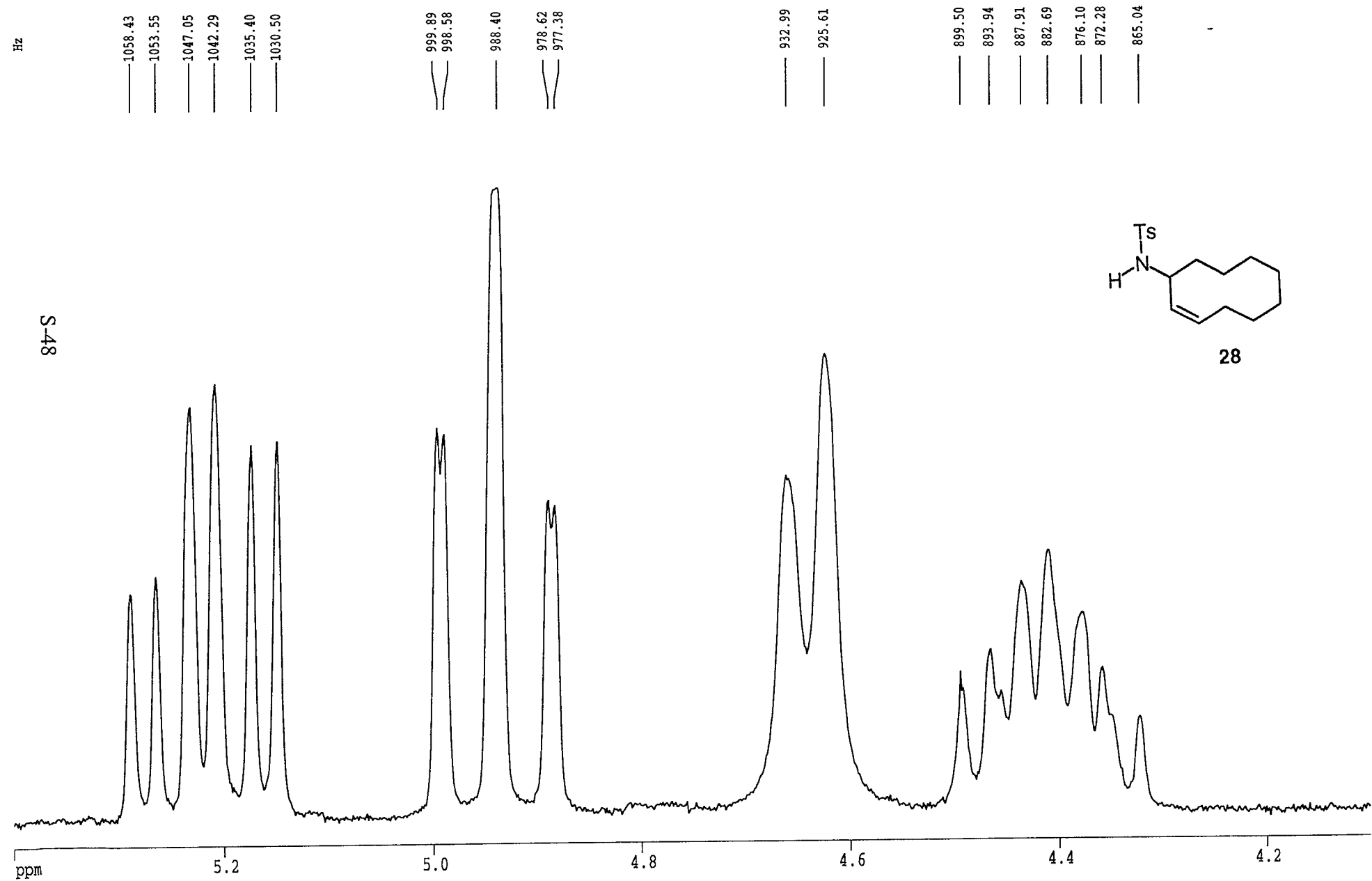
Current Data Parameters
NAME AP150F
EXPNO 119
PROCNO 1
DU mpi
USER szi

F2 - Acquisition Parameters
Date_ 970415
Time 23.44
INSTRUM ac200
PROBHD
PULPROG X51.AU
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 4032.258 Hz
FIDRES 0.123055 Hz
AQ 4.0632820 sec
RG 16
DW 124.000 usec
DE 155.00 usec
TE 300.0 K
PI 10.10 usec
HL1 83 dB
D1 1.00000000 sec
DE 155.00 usec
SFO1 200.132390 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 16384
SF 200.132395 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 0.10

1D NMR plot parameters
CX 20.00 cm
FIP 9.000 ppm
F1 1801.19 Hz
F2P -1.000 ppm
F2 -200.13 Hz
PPMCM 0.50000 ppm/cm
HZCM 100.06617 Hz/cm

SZI-SA-031-01



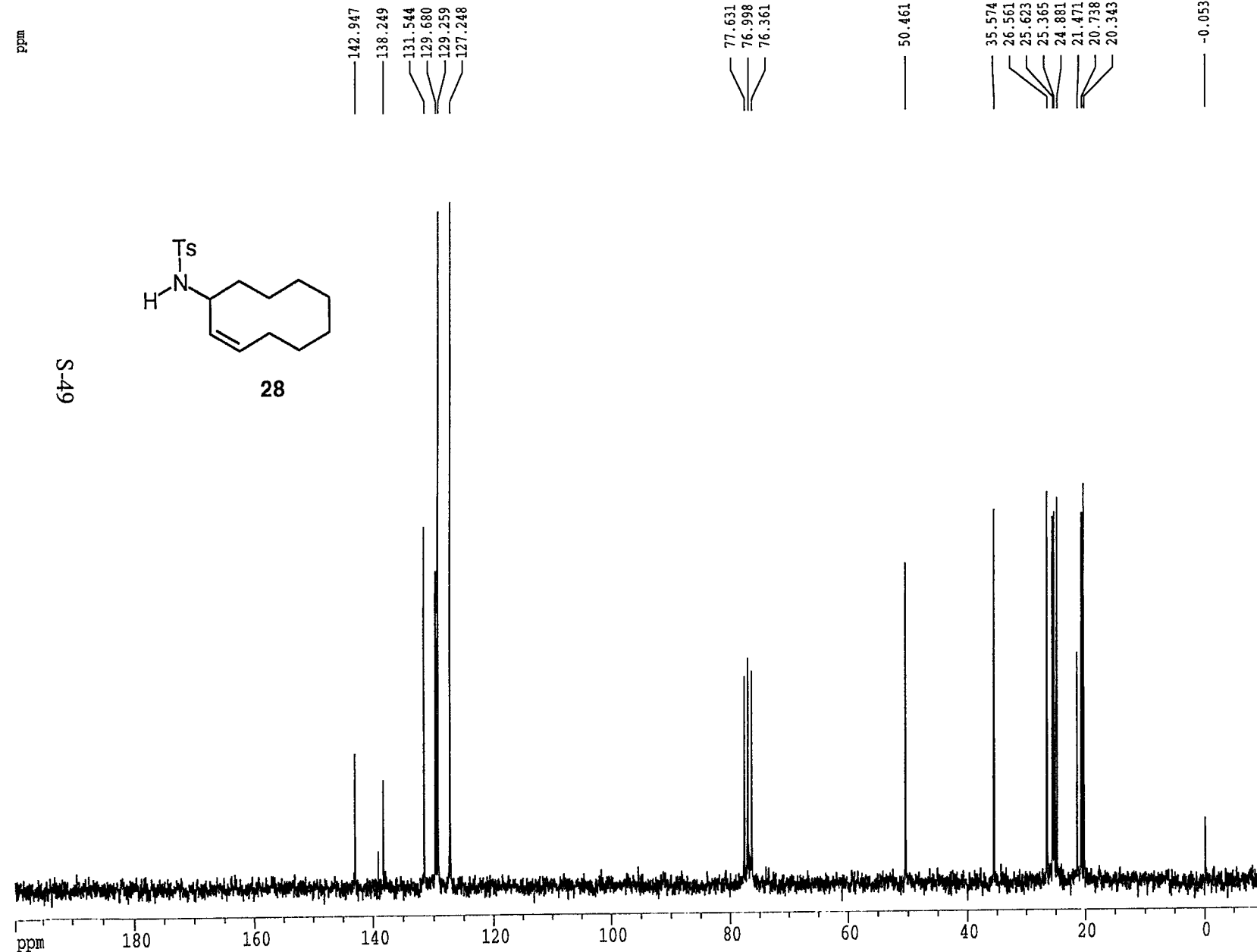
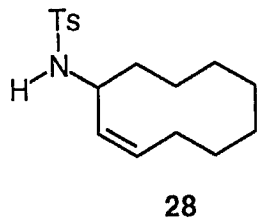
SZI-SA-031-03

Current Data Parameters
NAME AP151F
EXPNO 119
PROCNO 1
DU mpi
USER szi

F2 - Acquisition Parameters
Date_ 970416
Time 0.17
INSTRUM ac200
PROBHD
PULPROG X60.AU
TD 32768
SOLVENT CDCL3
NS 1568
DS 0
SWH 14285.714 Hz
FIDRES 0.435965 Hz
AQ 1.1469300 sec
RG 640
DW 35.000 usec
DE 46.30 usec
TE 300.0 K
P1 15.50 usec
HL1 20 dB
D1 0.00100000 sec
DE 46.30 usec
SFO1 50.3287650 MHz
NUCLEUS 13C

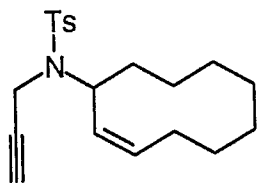
F2 - Processing parameters
SI 16384
SF 50.3233180 MHz
WDW EM
SSB 0
LB 1.60 Hz
GB 0
PC 2.00

1D NMR plot parameters
CX 22.00 cm
FLP 200.000 ppm
F1 10064.66 Hz
F2P -10.000 ppm
F2 -503.23 Hz
PPMCM 9.54545 ppm/cm
HZCM 480.35892 Hz/cm



SZI-SA-034-01

Current Data Parameters
NAME AP180F
EXPNO 146
PROCNO 1
DU mpi
USER szi



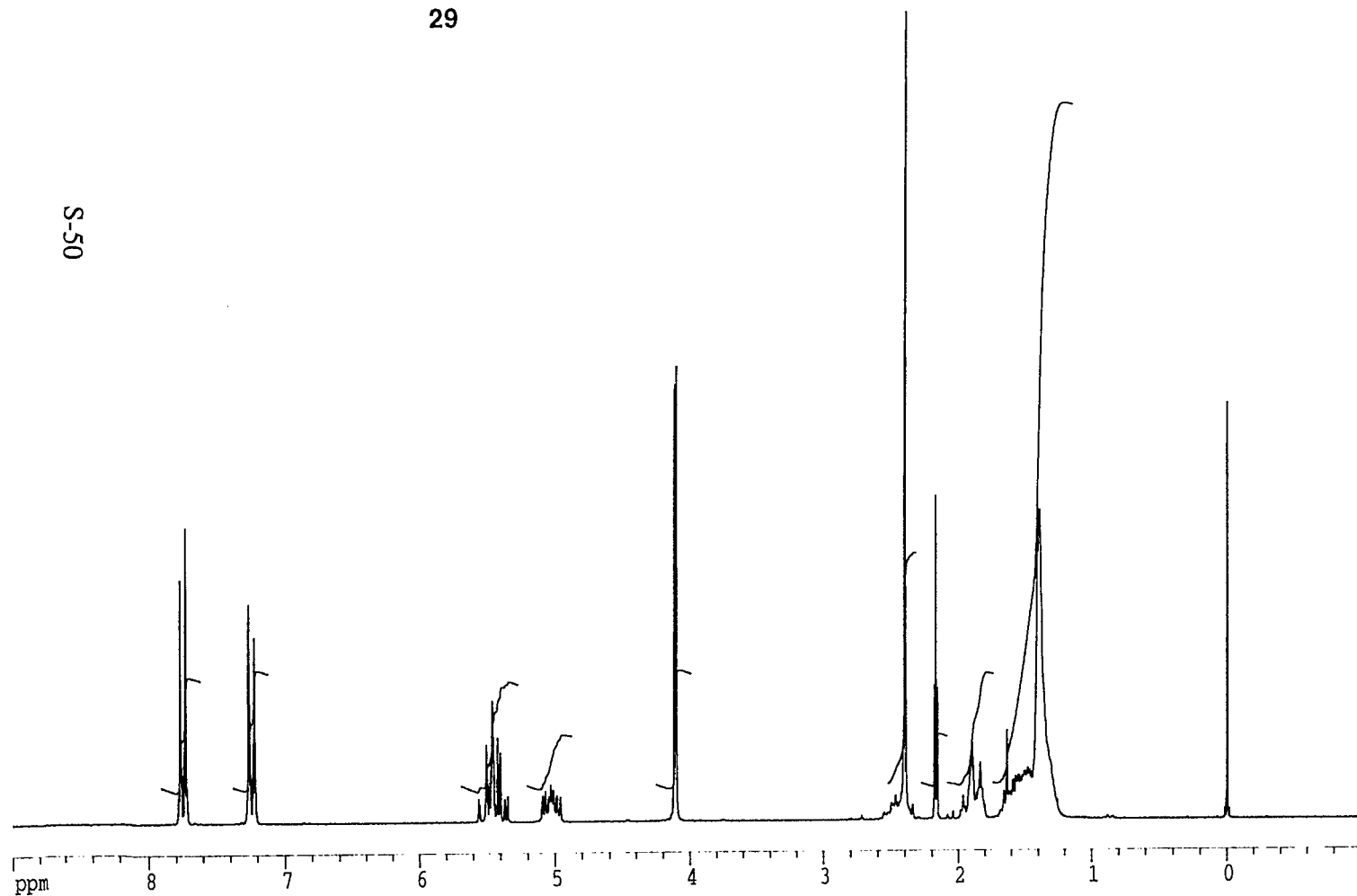
29

F2 - Acquisition Parameters
Date_ 970420
Time 19.56
INSTRUM ac200
PROBHD
PULPROG X59.AU
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 4032.258 Hz
FIDRES 0.123055 Hz
AQ 4.0632820 sec
RG 10
DW 124.000 usec
DE 155.00 usec
TE 300.0 K
P1 10.10 usec
HL1 83 dB
D1 1.0000000 sec
DE 155.00 usec
SFO1 200.132390 MHz
NUCLEUS 1H

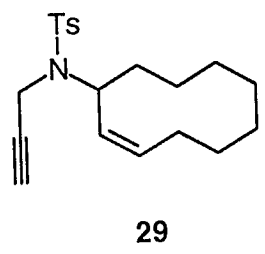
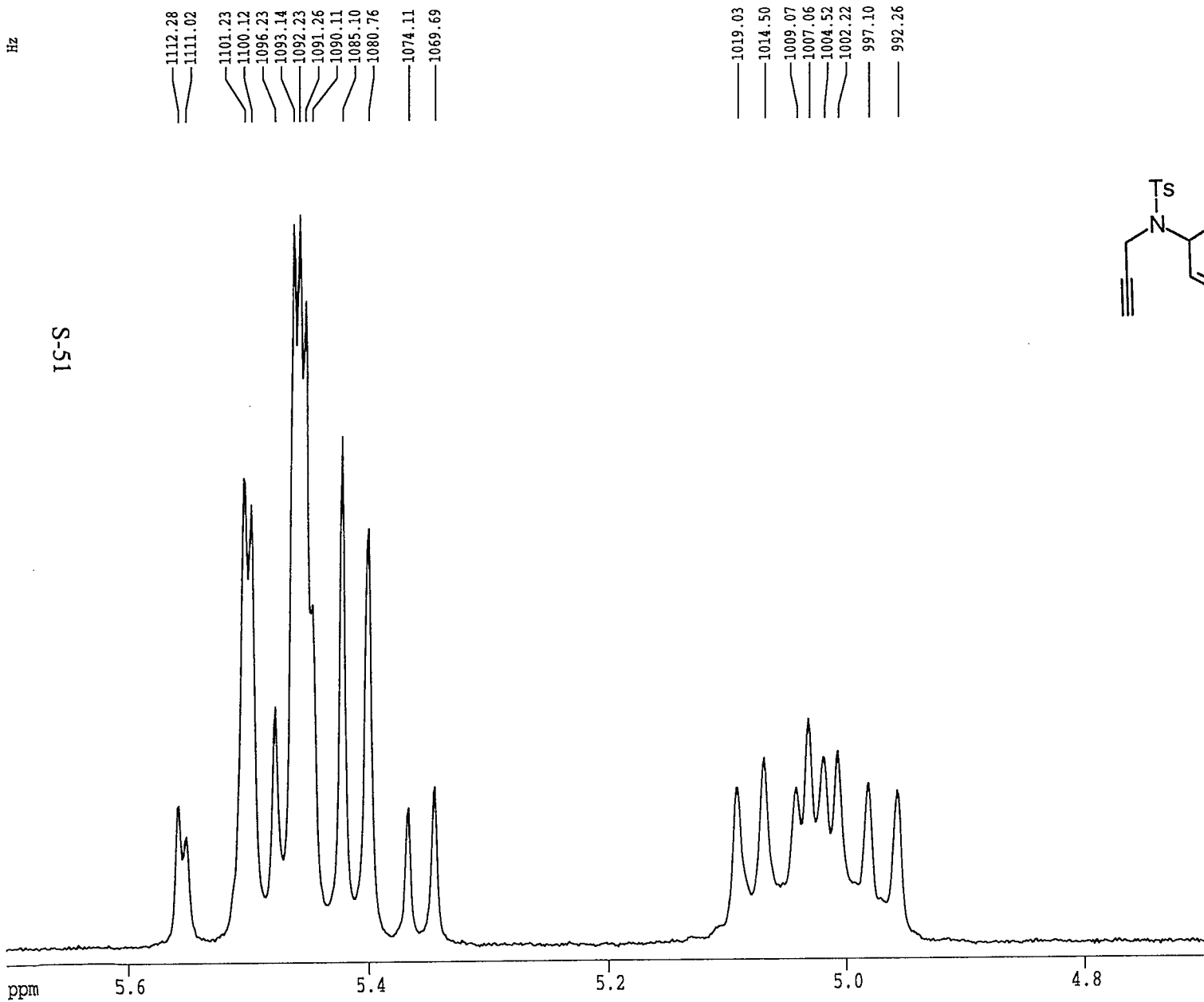
F2 - Processing parameters
SI 16384
SF 200.132390 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 0.80

1D NMR plot parameters
CX 20.00 cm
F1P 9.000 ppm
F1 1801.19 Hz
F2P -1.000 ppm
F2 -200.13 Hz
PPMCM 0.50000 ppm/cm
HZCM 100.06617 Hz/cm

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SZI-SA-034-01



SZI-SA-034-01

Current Data Parameters
NAME AP181F
EXPNO 146
PROCNO 1
DU mpi
USER szi

F2 - Acquisition Parameters

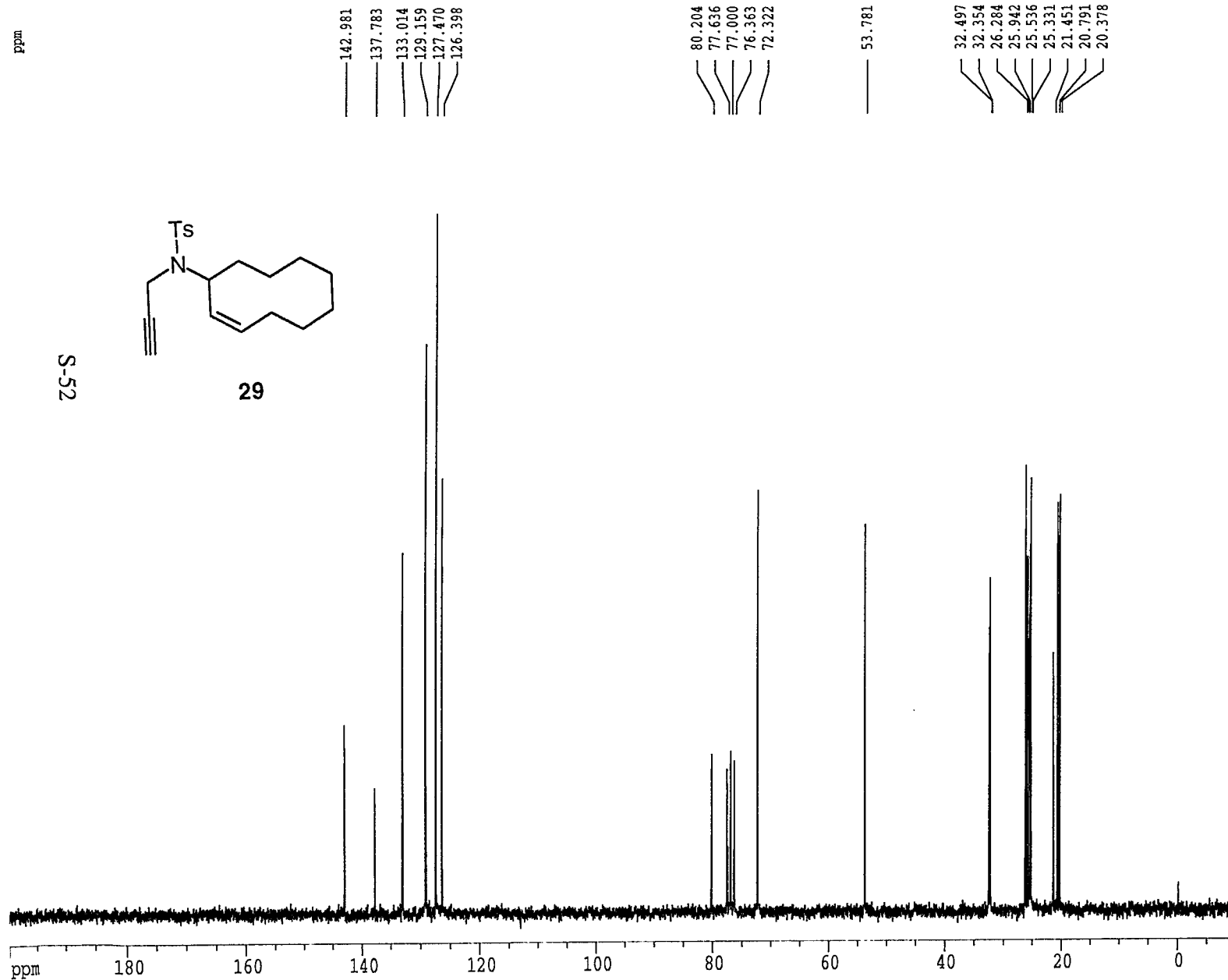
Date_ 970420
Time 20.28
INSTRUM ac200
PROBHD
PULPROG X60.AU
TD 32768
SOLVENT CDCl3
NS 1568
DS 0
SWH 14285.714 Hz
FIDRES 0.435965 Hz
AQ 1.1469300 sec
RG 400
DW 35.000 usec
DE 46.30 usec
TE 300.0 K
PI 15.50 usec
HL1 20 dB
D1 0.00100000 sec
DE 46.30 usec
SF01 50.3287650 MHz
NUCLEUS 13C

F2 - Processing parameters

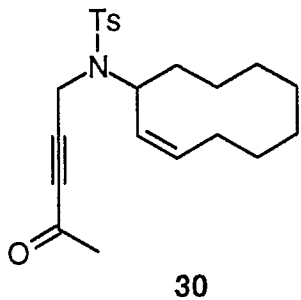
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SF 50.3233189 MHz
WDW EM
SSB 0
LB 0.80 Hz
GB 0
PC 2.00

1D NMR plot parameters

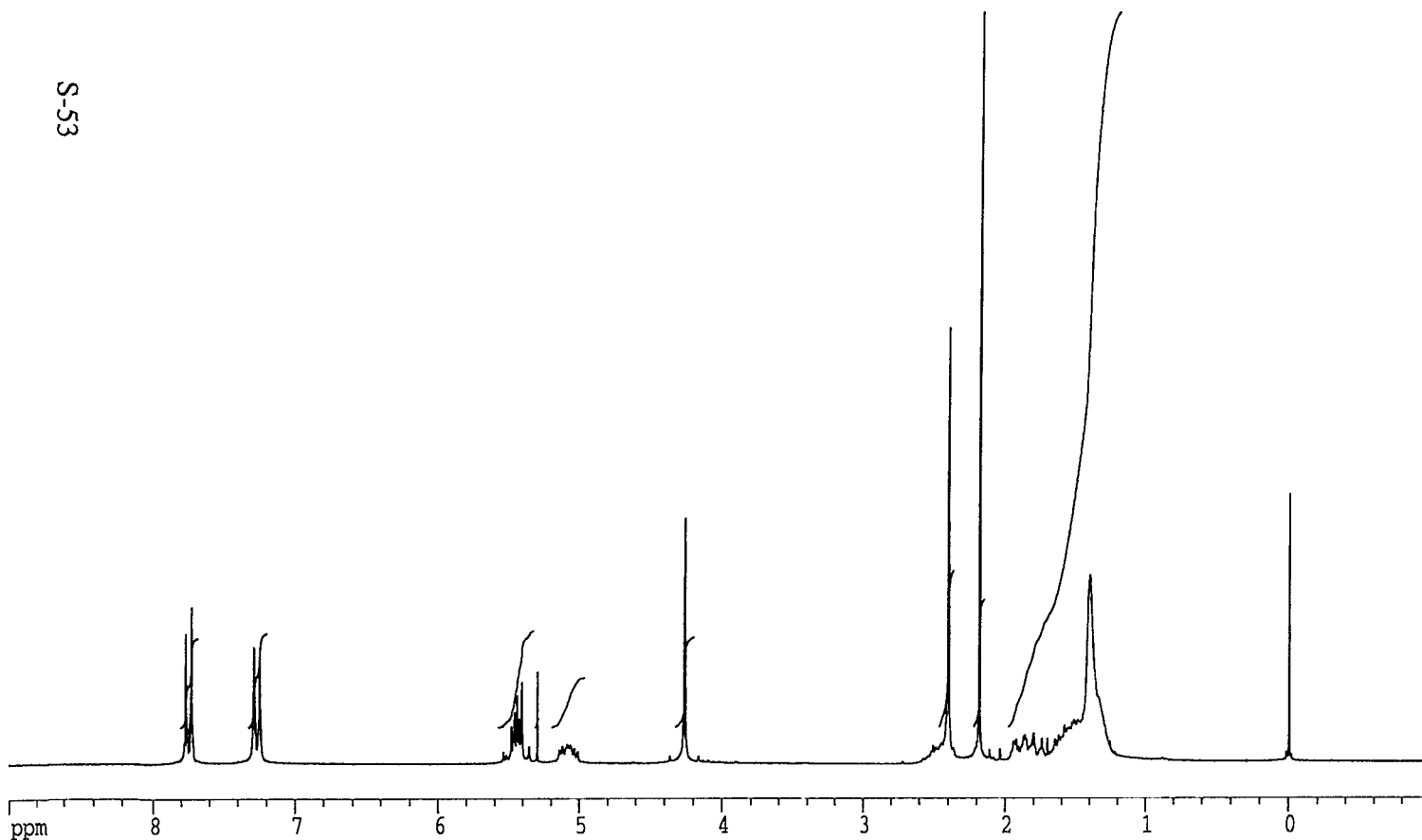
CX 21.00 cm
F1P 200.000 ppm
F1 10064.66 Hz
F2P -10.000 ppm
F2 -503.23 Hz
PPMCM 10.00000 ppm/cm
HZCM 503.23318 Hz/cm



SZI-SA-130-01



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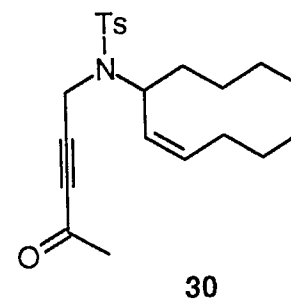
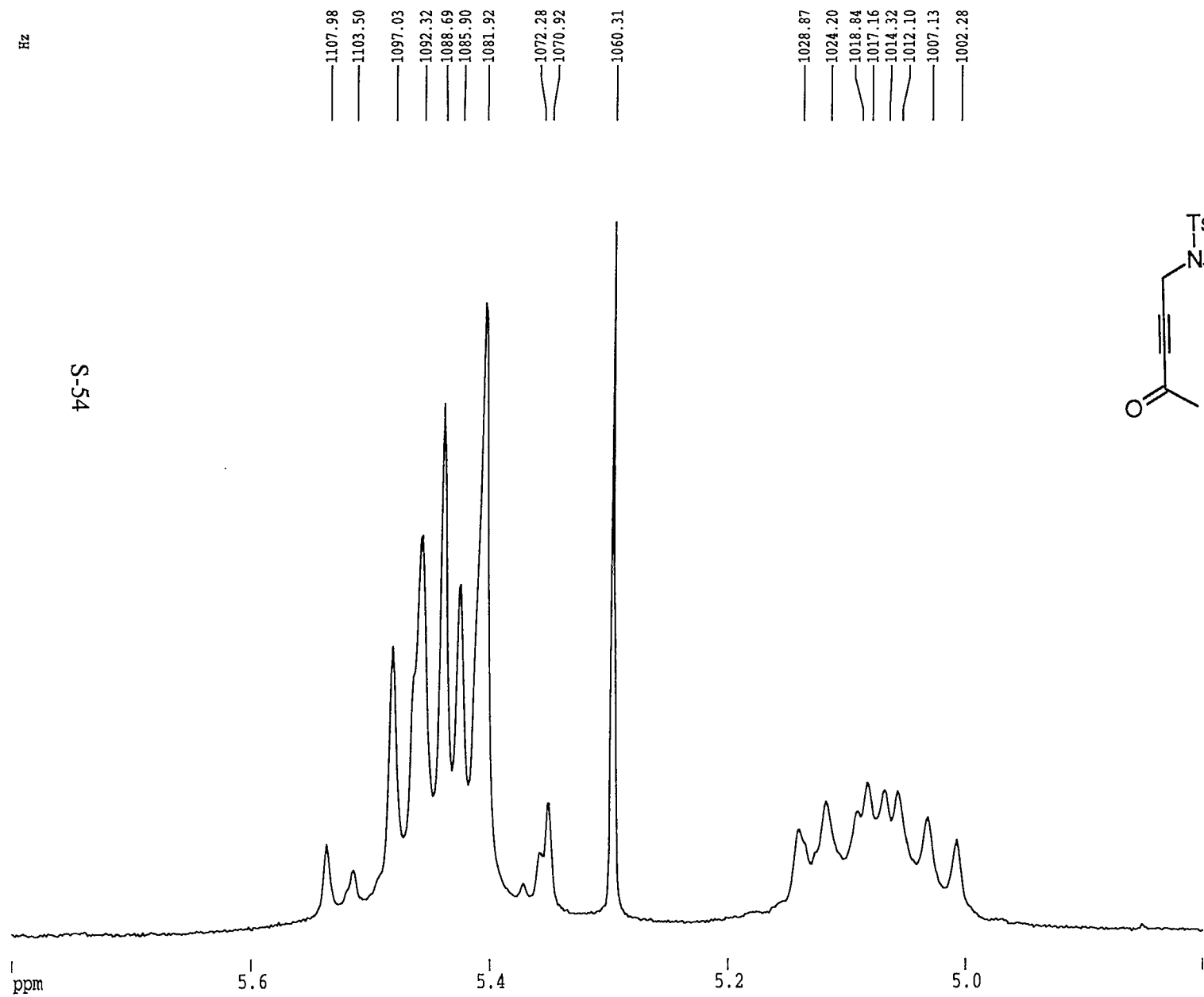
Current Data Parameters
NAME A21L0F
EXPNO 115
PROCNO 1
DU mpi
USER szi

F2 - Acquisition Parameters
Date_ 970421
Time 16.29
INSTRUM am200
PROBHD
PULPROG X00.AU
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 4385.965 Hz
FIDRES 0.133849 Hz
AQ 3.7356019 sec
RG 16
DW 114.000 usec
DE 145.00 usec
TE 300.0 K
D8 0.0020000 sec
HL1 83 dB
P1 8.80 usec
D1 0.0020000 sec
DE 145.00 usec
SF01 200.1331600 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 16384
SF 200.1323363 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 0.60

1D NMR plot parameters
CX 20.01 cm
F1P 9.000 ppm
F1 1801.19 Hz
F2P -1.000 ppm
F2 -200.13 Hz
PPMCM 0.49967 ppm/cm
HZCM 100.00002 Hz/cm

SZI-SA-130-01



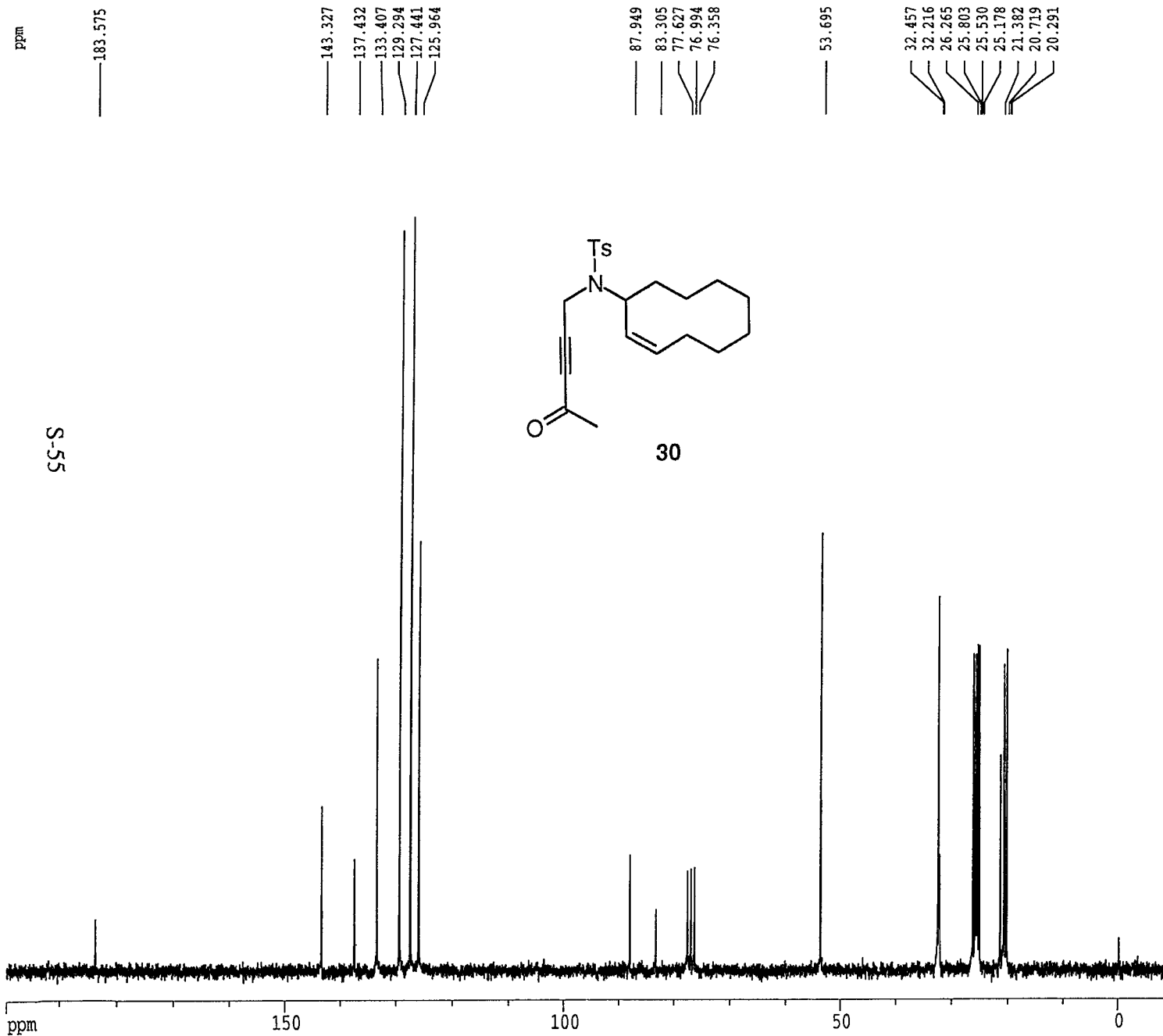
SZI-SA-130-01

Current Data Parameters
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 PROCNO 1
 DU mpi
 USER szl

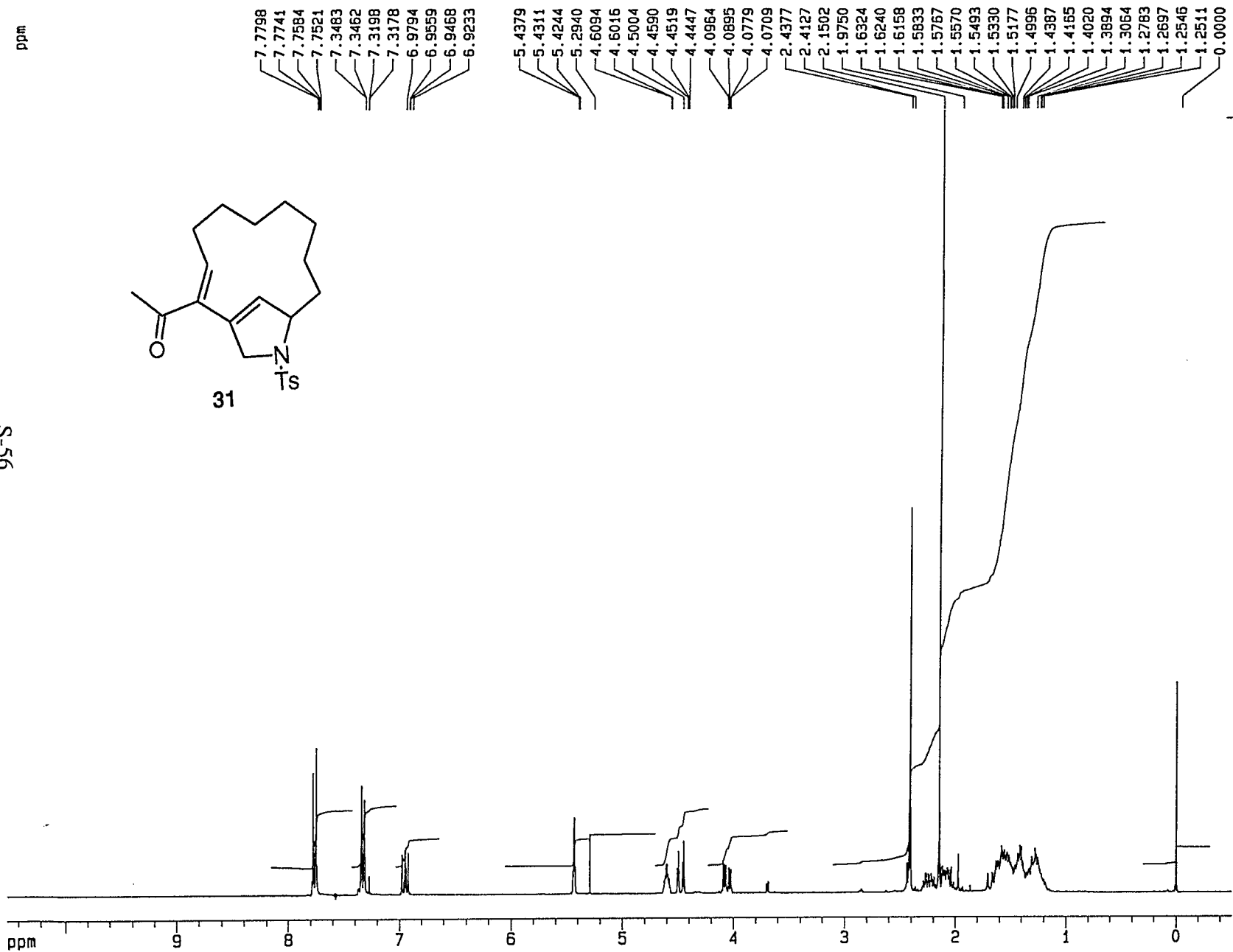
F2 - Acquisition Parameters
 Date_ 970421
 Time 17.02
 INSTRUM am200
 PROBHD
 PULPROG X02.AU
 TD 32768
 SOLVENT CDC13
 NS 1568
 DS 0
 SWH 14285.714 Hz
 FIDRES 0.435965 Hz
 AQ 1.1469300 sec
 RG 800
 DW 35.000 usec
 DE 46.30 usec
 TE 300.0 K
 P1 9.50 usec
 HL1 22 dB
 D1 0.00100000 sec
 DE 46.30 usec
 SFO1 50.3287650 MHz
 NUCLEUS 13C

F2 - Processing parameters
 SI 16384
 SF 50.3233206 MHz
 WDW EM
 SSB 0
 LB 0.80 Hz
 GB 0
 PC 2.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 200.000 ppm
 F1 10064.66 Hz
 F2P -10.000 ppm
 F2 -503.23 Hz
 PPMCM 10.50000 ppm/cm
 HZCM 528.39490 Hz/cm



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Current Data Parameters
 NAME apr29103
 EXPNO 10
 PROCNO 1
 DU u1
 USER et

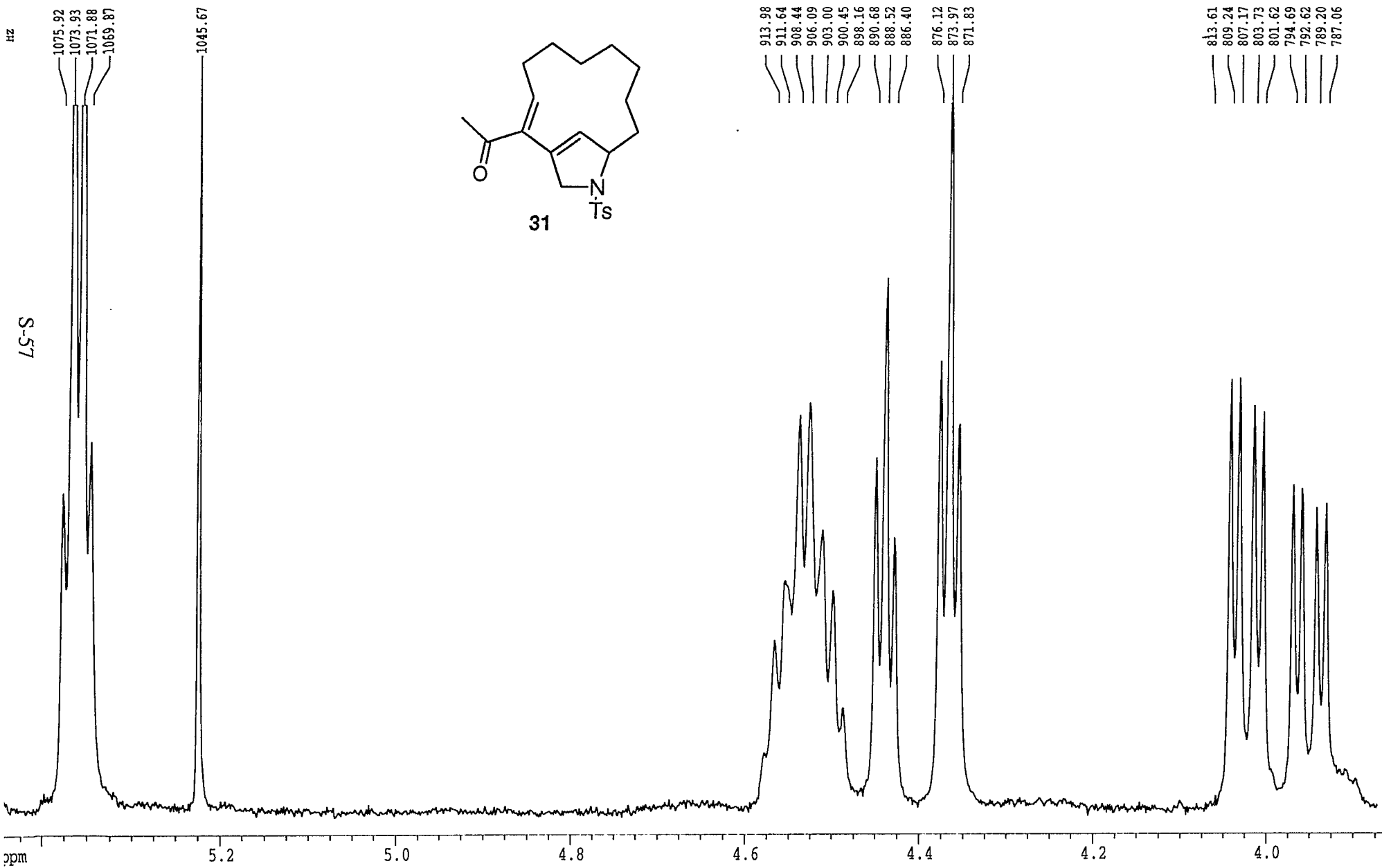
F2 - Acquisition Parameters
 Date 970429
 Time 14.18
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 SOLVENT CDCl3
 AQ 2.6214736 sec
 DW 80.0 usec
 RG 256
 NUCLEUS 1H
 SF01 300.1349393 MHz
 SF02 360.1319532 MHz
 TE 302.0 K
 HL1 0 dB
 D1 1.0000000 sec
 P1 6.8 usec
 DE 100.0 usec
 SF01 300.1349393 MHz
 SWH 6249.97 Hz
 TO 32768
 NS 32
 DS 2

F2 - Processing parameters
 SI 32768
 SF 300.1333628 MHz
 SR 3362.80 Hz
 HZpPT 0.1907 Hz
 WDW EM
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 8.00

1D NMR plot parameters
 CX 22.10 cm
 CY 14.00 cm
 F1P 10.500 ppm
 F1 3151.40 Hz
 F2P -0.500 ppm
 F2 -150.07 Hz
 PPMCM 0.49774 ppm/cm
 HZCM 149.38765 Hz/cm

SZI-SA-135-02

SZI-SB-024-01



1075.92
1073.93
1071.88
1069.87

1045.67

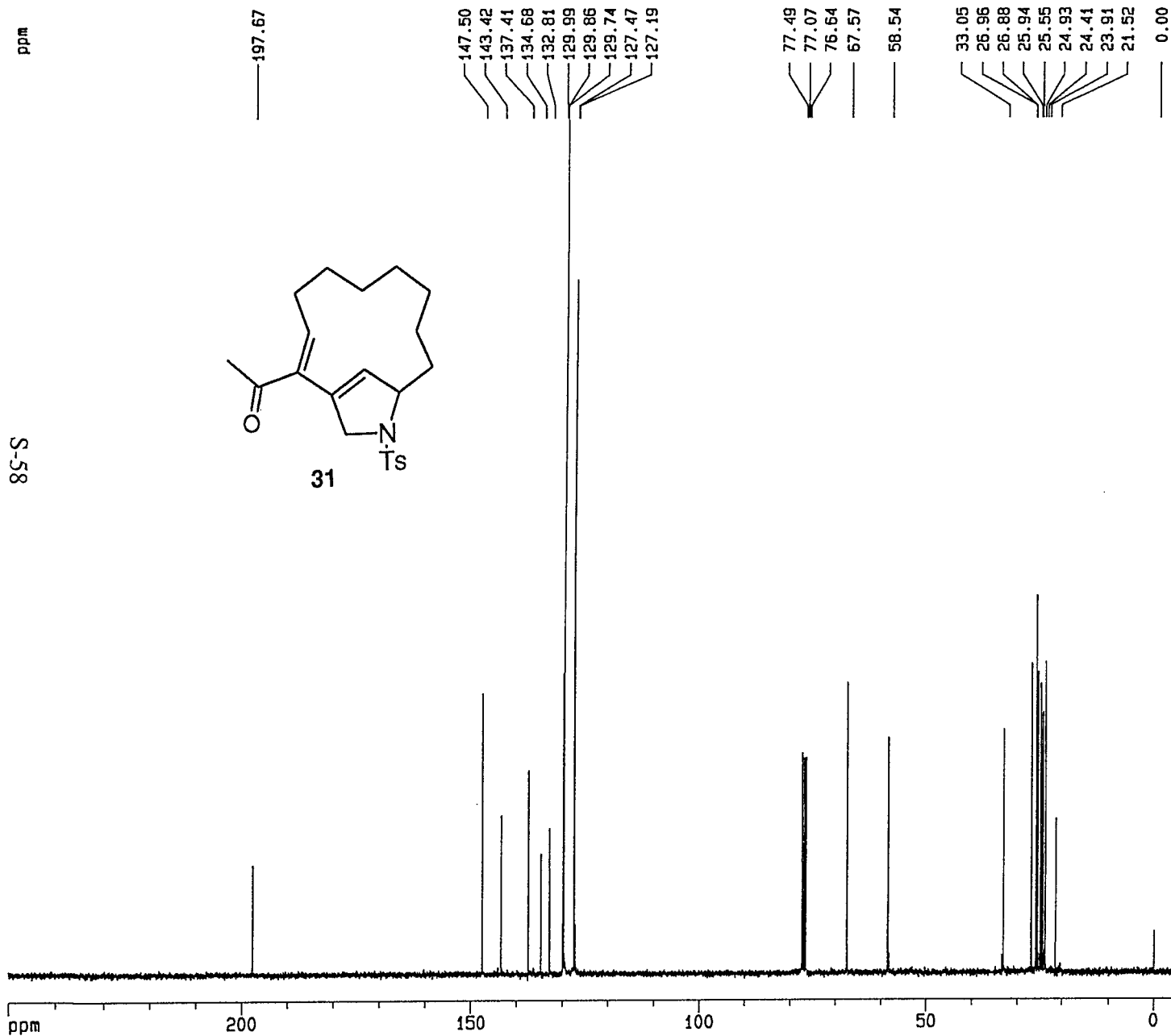
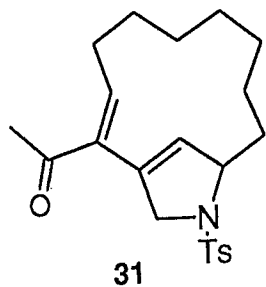
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908.44
906.09
903.00
900.45
898.16
890.68
888.52
886.40

876.12
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871.83

813.61
809.24
807.17
803.73
801.62
794.69
792.62
789.20
787.06

ppm

85-S



Current Data Parameters
 NAME apr29i03
 EXPNO 11
 PROCNO 1
 DU ui
 USER et

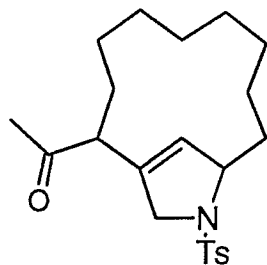
F2 - Acquisition Parameters
 Date 970429
 Time 14.27
 PULPROG zgdc30
 SOLVENT CDC13
 AQ 0.9830652 sec
 DW 15.0 usec
 RG 16384
 NUCLEUS 13C
 SF01 75.4815977 MHz
 SF02 300.1344003 MHz
 TE 302.0 K
 D11 0.0300000 sec
 P31 100.0 usec
 S2 27 dB
 HL1 0 dB
 D1 0.0300000 sec
 P1 5.7 usec
 DE 21.4 usec
 SF01 75.4815977 MHz
 SNH 33333.16 Hz
 TD 65536
 NS 6000
 DS 16

F2 - Processing parameters
 SI 32768
 SF 75.4685902 MHz
 SR -1409.75 Hz
 HZpPT 1.0172 Hz
 WDW EM
 SSB 0
 LB 0.80 Hz
 GB 0
 PC 2.00

1D NMR plot parameters
 CX 22.10 cm
 CY 14.00 cm
 F1P 250.000 ppm
 F1 18867.15 Hz
 F2P -42.900 ppm
 F2 -3237.60 Hz
 PPMCM 13.25339 ppm/cm
 HZCM 1000.21490 Hz/cm

SZI-SA-135-02

SZI-SB-028-01



32 (major isomer)

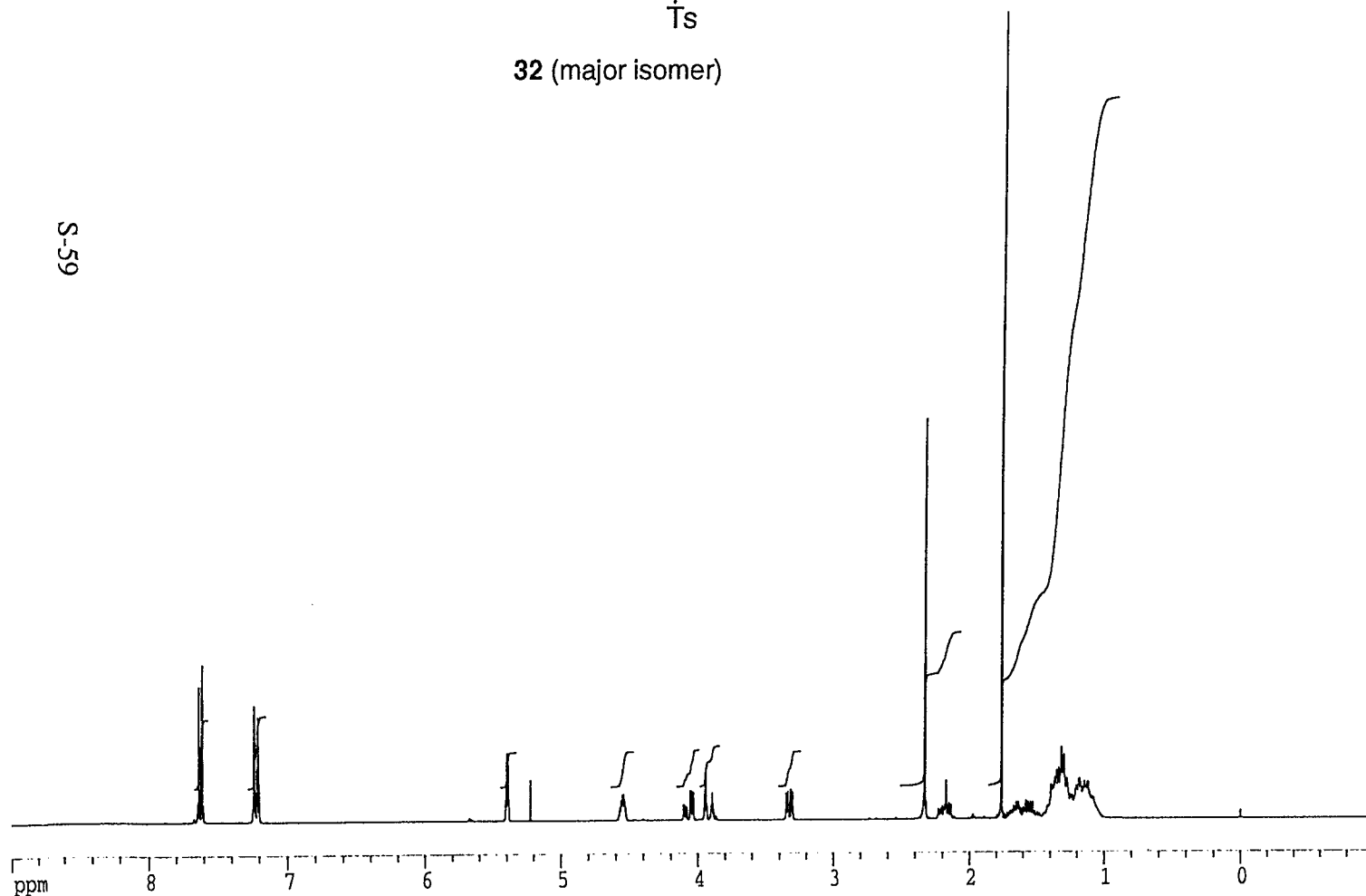
Current Data Parameters
NAME dez04112
EXPNO 10
PROCNO 1
DU mpi
USER szi

F2 - Acquisition Parameters
Date_ 971205
Time 0.47
INSTRUM amx300
PROBHD 5 mm QNP 1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 2
SWH 6249.967 Hz
FIDRES 0.190734 Hz
AQ 2.621490 sec
RG 512
DW 80.000 usec
DE 100.00 usec
TE 302.0 K
HL1 0 dB
D1 1.0000000 sec
P1 6.75 usec
DE 100.00 usec
SFO1 300.1349393 MHz
NUCLEUS 1H

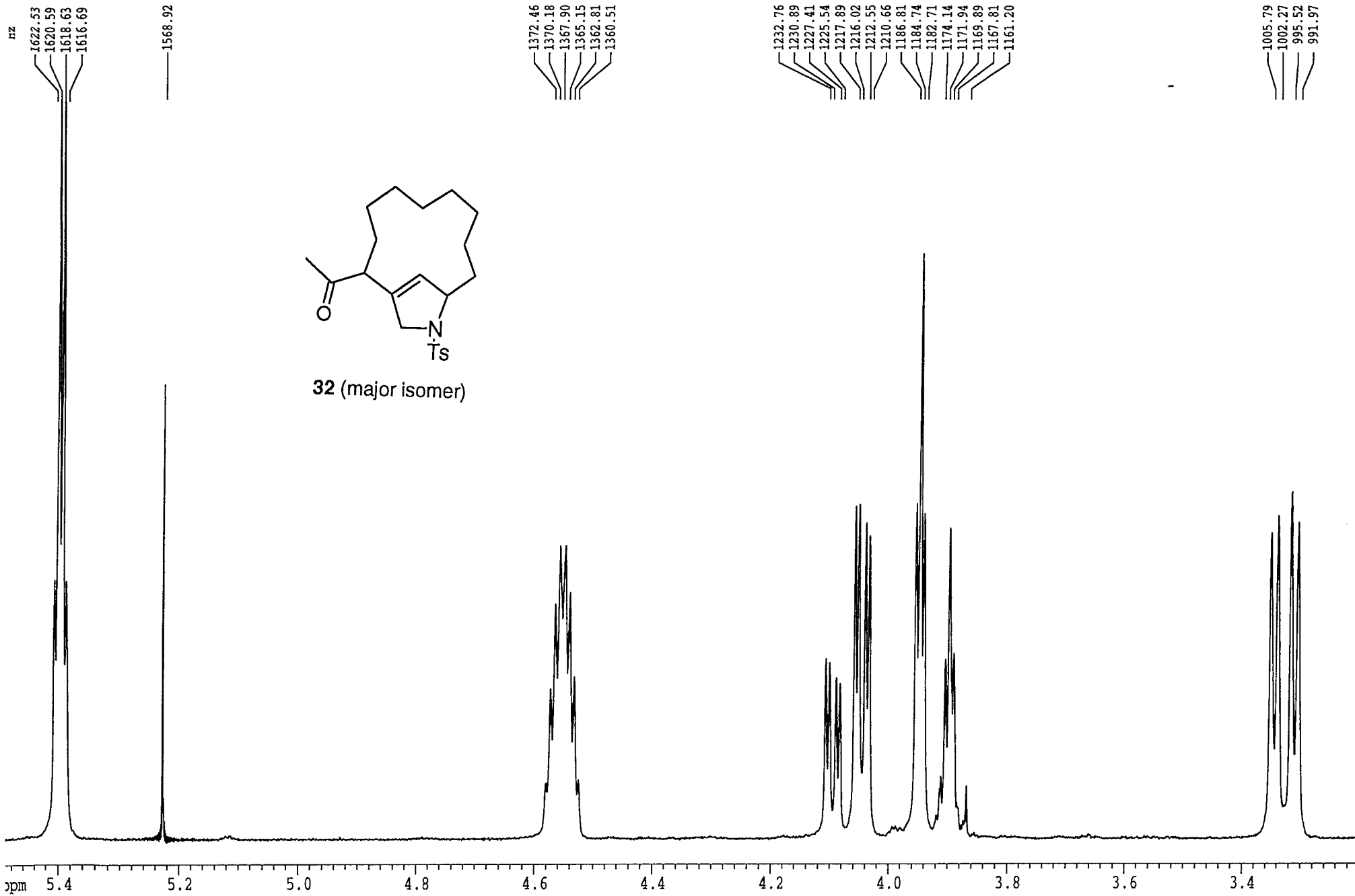
F2 - Processing parameters
SI 32768
SF 300.1333858 MHz
WDW EM
SSB 0
LB 0.00 Hz
GB 0
PC 8.00

1D NMR plot parameters
CX 20.00 cm
F1P 9.000 ppm
F1 2701.20 Hz
F2P -1.000 ppm
F2 -300.13 Hz
PPMCM 0.50000 ppm/cm
HZCM 150.06670 Hz/cm

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SZI-SB-028-01



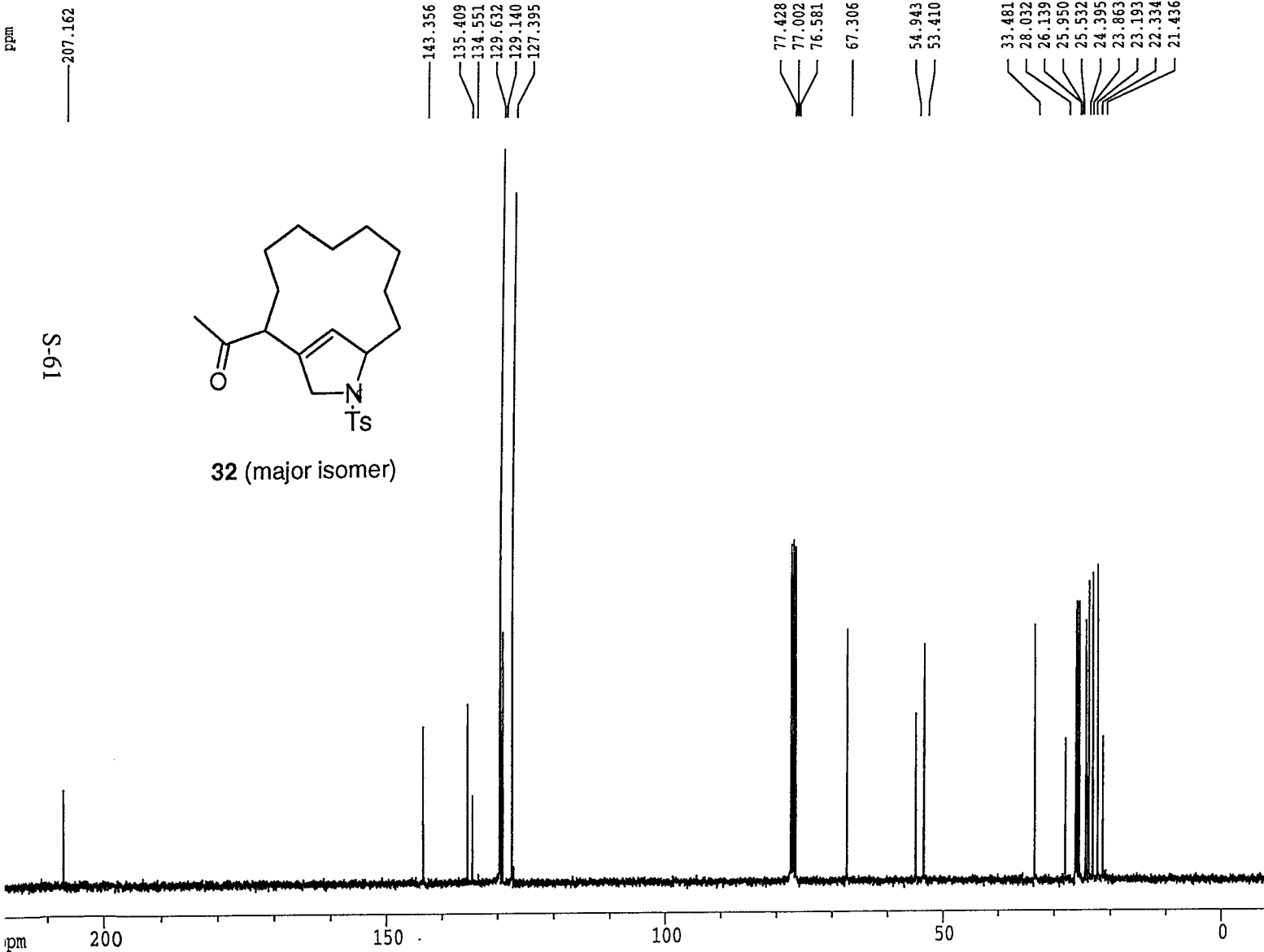
SZI-SB-028-01

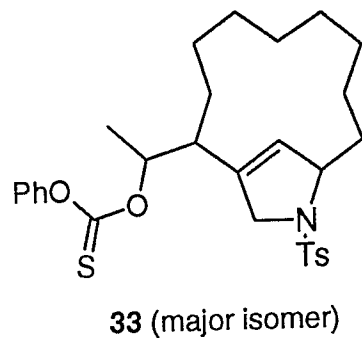
Current Data Parameters
 NAME dez04112
 EXPNO 11
 PROCNO 1
 DU mpi
 USER szi

F2 - Acquisition Parameters
 Date_ 971205
 Time 1.17
 INSTRUM amx300
 PROBHD 5 mm QNP 1H
 PULPROG zgdc30
 TD 65536
 SOLVENT CDCl3
 NS 8000
 DS 16
 SWH 31249.998 Hz
 FIDRES 0.476837 Hz
 AQ 1.0486259 sec
 RG 32768
 DW 16.000 usec
 DE 22.86 usec
 TE 302.0 K
 D11 0.03000000 sec
 CPDPRG waltz16
 P31 100.00 usec
 S2 27 dB
 HL1 0 dB
 D1 0.03000000 sec
 P1 5.68 usec
 DE 22.86 usec
 SF01 75.4734422 MHz
 NUCLEUS 13C

F2 - Processing parameters
 SI 32768
 SF 75.4685943 MHz
 WDW EM
 SSB 0
 LB 0.80 Hz
 GB 0
 PC 2.00

1D NMR plot parameters
 CX 21.00 cm
 F1P 220.000 ppm
 F1 16603.09 Hz
 F2P -10.000 ppm
 F2 -754.69 Hz
 PPMCM 10.95238 ppm/cm
 HZCM 826.56085 Hz/cm



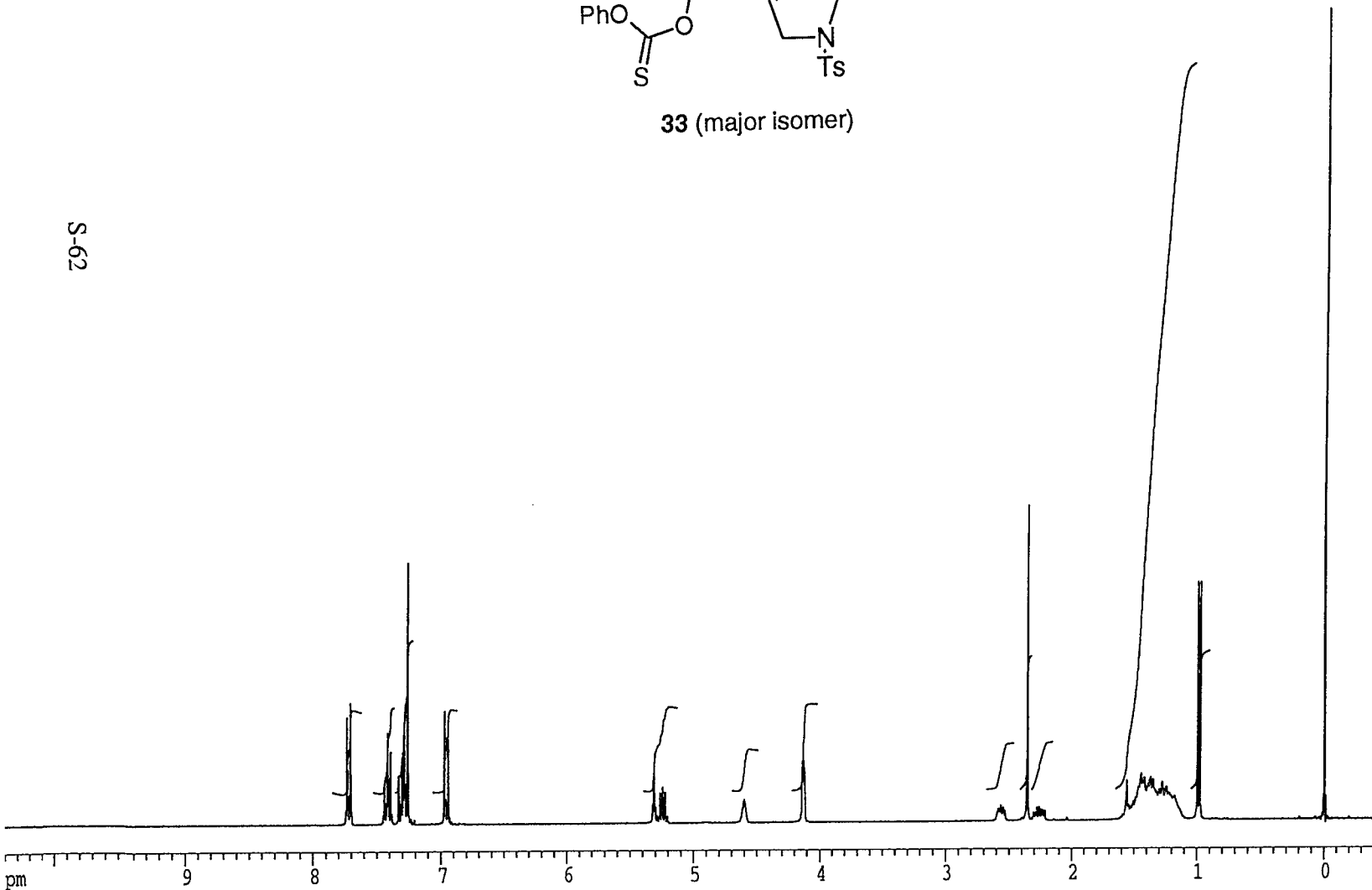


Current Data Parameters
 NAME mar16101
 EXPNO 10
 PROCNO 1
 DU mpi
 USER szi

F2 - Acquisition Parameters
 Date_ 980316
 Time 10.08
 INSTRUM amx300
 PROBHD 5 mm QNP 1H
 PULPROG zg30
 TD 32768
 SOLVENT CDC13
 NS 32
 DS 2
 SWH 6249.967 Hz
 FIDRES 0.190734 Hz
 AQ 2.621490 sec
 RG 1024
 DW 80.000 usec
 DE 100.00 usec
 TE 302.0 K
 HL1 0 dB
 D1 1.00000000 sec
 P1 6.75 usec
 DE 100.00 usec
 SFO1 300.1349393 MHz
 NUCLEUS 1H

F2 - Processing parameters
 SI 32768
 SF 300.1333679 MHz
 WDW EM
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 8.00

1D NMR plot parameters
 CX 22.10 cm
 F1P 10.500 ppm
 F1 3151.40 Hz
 F2P -0.500 ppm
 F2 -150.07 Hz
 PPMCM 0.49774 ppm/cm
 HZCM 149.38765 Hz/cm



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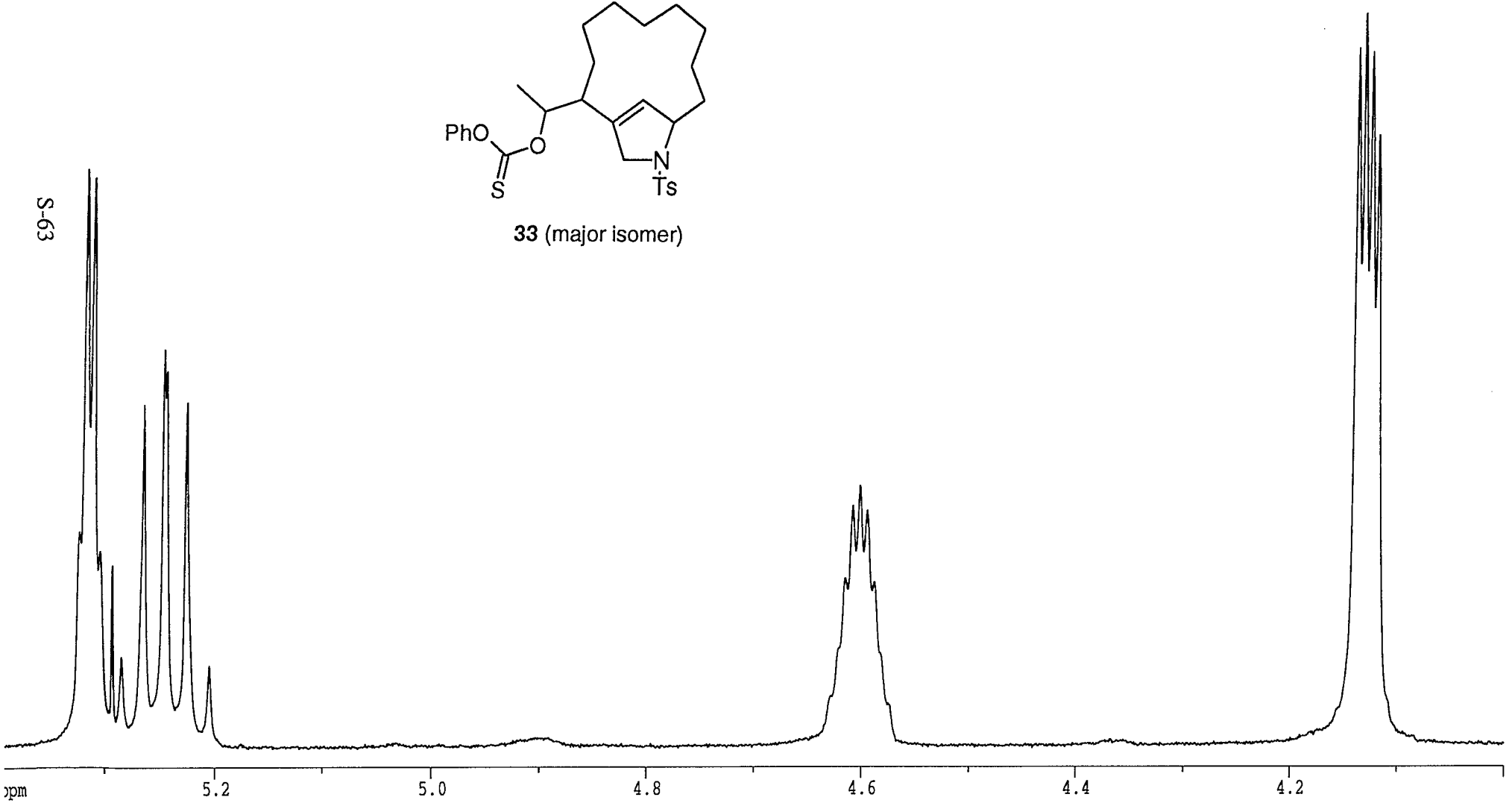
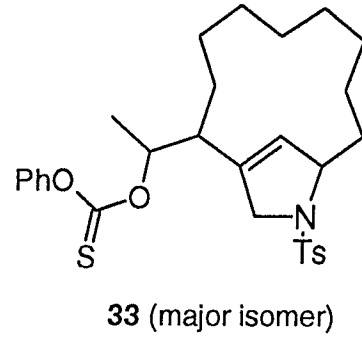
SZI-SB-083-01

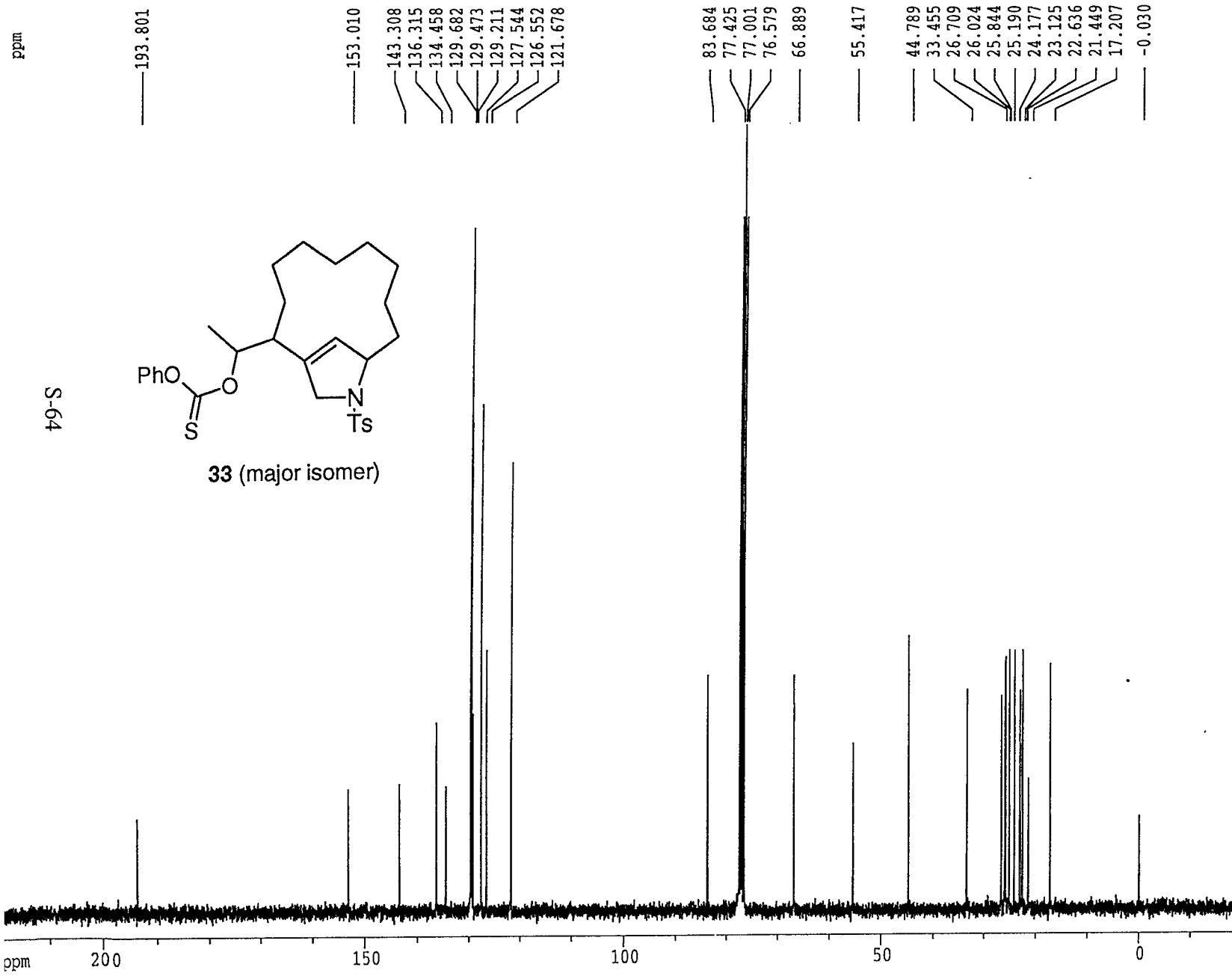
SZI-SB-083-01

Hz
1597.29
1595.50
1593.57
1591.74
1588.81
1586.36
1580.13
1574.60
1573.90
1568.37
1562.14

1385.13
1383.13
1381.12
1379.14
1377.14

1242.01
1240.14
1238.19
1236.33





NAME marib101
 EXPNO 11
 PROCNO 1
 DU mpi
 USER szi

F2 - Acquisition Parameters

Date_ 980316
 Time_ 10.31
 INSTRUM amx300
 PROBHD 5 mm QNP 1H
 PULPROG zgdc30
 TD 65536
 SOLVENT CDCl3
 NS 10000
 DS 16
 SWH 31249.998 Hz
 FIDRES 0.476837 Hz
 AQ 1.0486259 sec
 RG 16384
 DW 16.000 usec
 DE 22.86 usec
 TE 302.0 K
 D11 0.03000000 sec
 CPDPRG waltz16
 P31 100.00 usec
 S2 27 dB
 HL1 0 dB
 D1 0.03000000 sec
 P1 5.68 usec
 DE 22.86 usec
 SFO1 75.4734422 MHz
 NUCLEUS 13C

F2 - Processing parameters

SI 32768
 SF 75.4685943 MHz
 WDW EM
 SSB 0
 LB 0.80 Hz
 GB 0
 PC 2.00

1D NMR plot parameters

CX 22.10 cm
 F1P 220.000 ppm
 F1 16603.09 Hz
 F2P -20.000 ppm
 F2 -1509.37 Hz
 PPMCM 10.85973 ppm/cm
 HZCM 819.56848 Hz/cm

SZI-SB-083-01

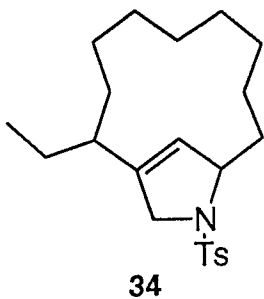
SZI-SB-084-01

Current Data Parameters
NAME mz17-018
EXPNO 10
PROCNO 1
DU mpi
USER szi

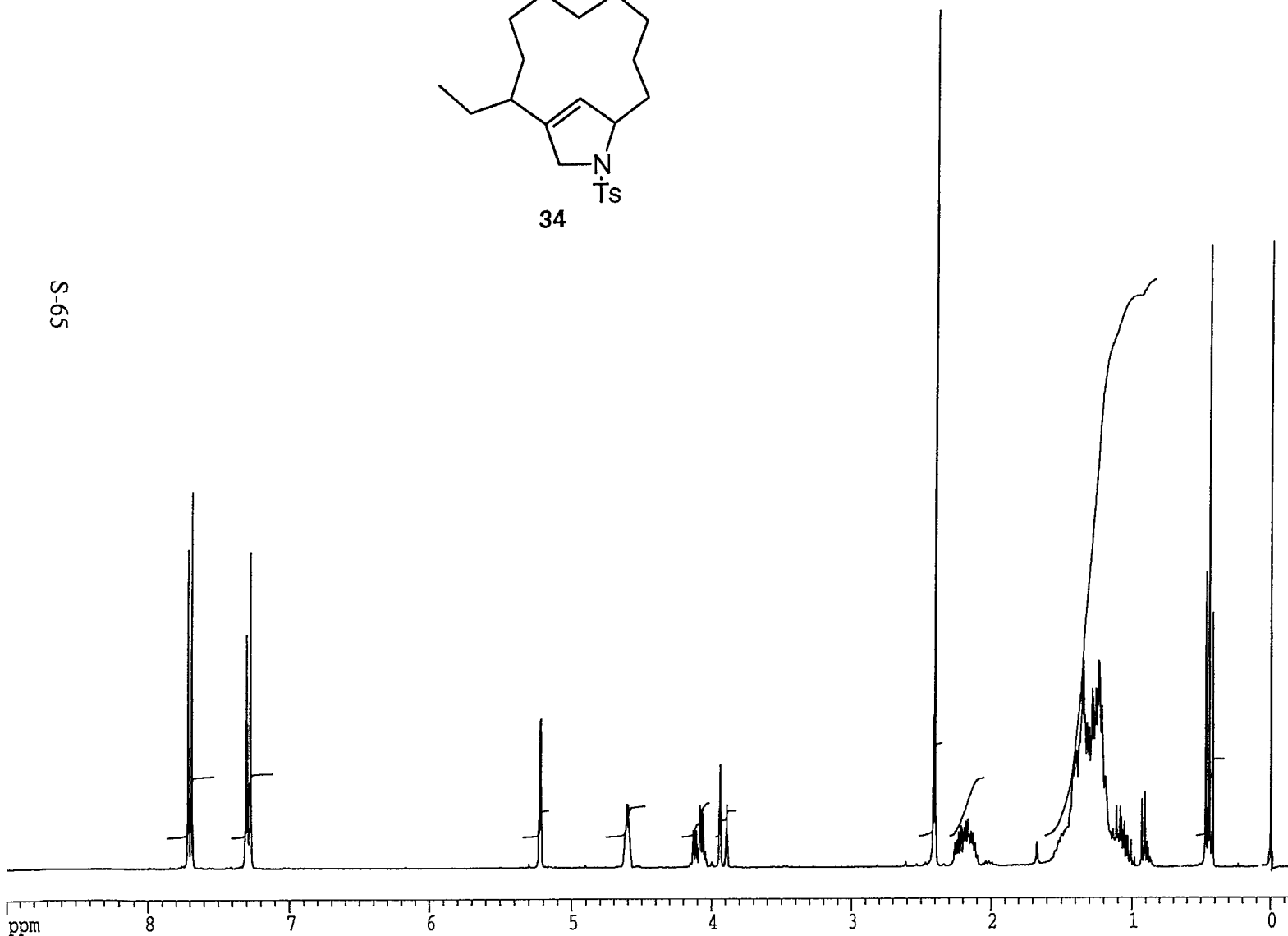
F2 - Acquisition Parameters
Date_ 980317
Time 17.15
INSTRUM dpx300
PROBHD 5 mm QNP
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 2
SWH 6172.839 Hz
FIDRES 0.188380 Hz
AQ 2.6542580 sec
RG 80.6
DW 81.000 usec
DE 4.50 usec
TE 300.0 K
HL1 90 dB
D1 1.0000000 sec
P1 7.30 usec
DE 4.50 usec
SFO1 300.1318534 MHz
NUCLEUS off

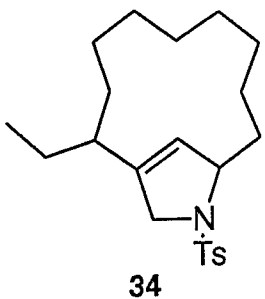
F2 - Processing parameters
SI 16384
SF 300.1300024 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 2.00

1D NMR plot parameters
CX 21.00 cm
F1P 9.000 ppm
F1 2701.17 Hz
F2P -0.200 ppm
F2 -60.03 Hz
PPMCM 0.43810 ppm/cm
HZCM 131.48552 Hz/cm



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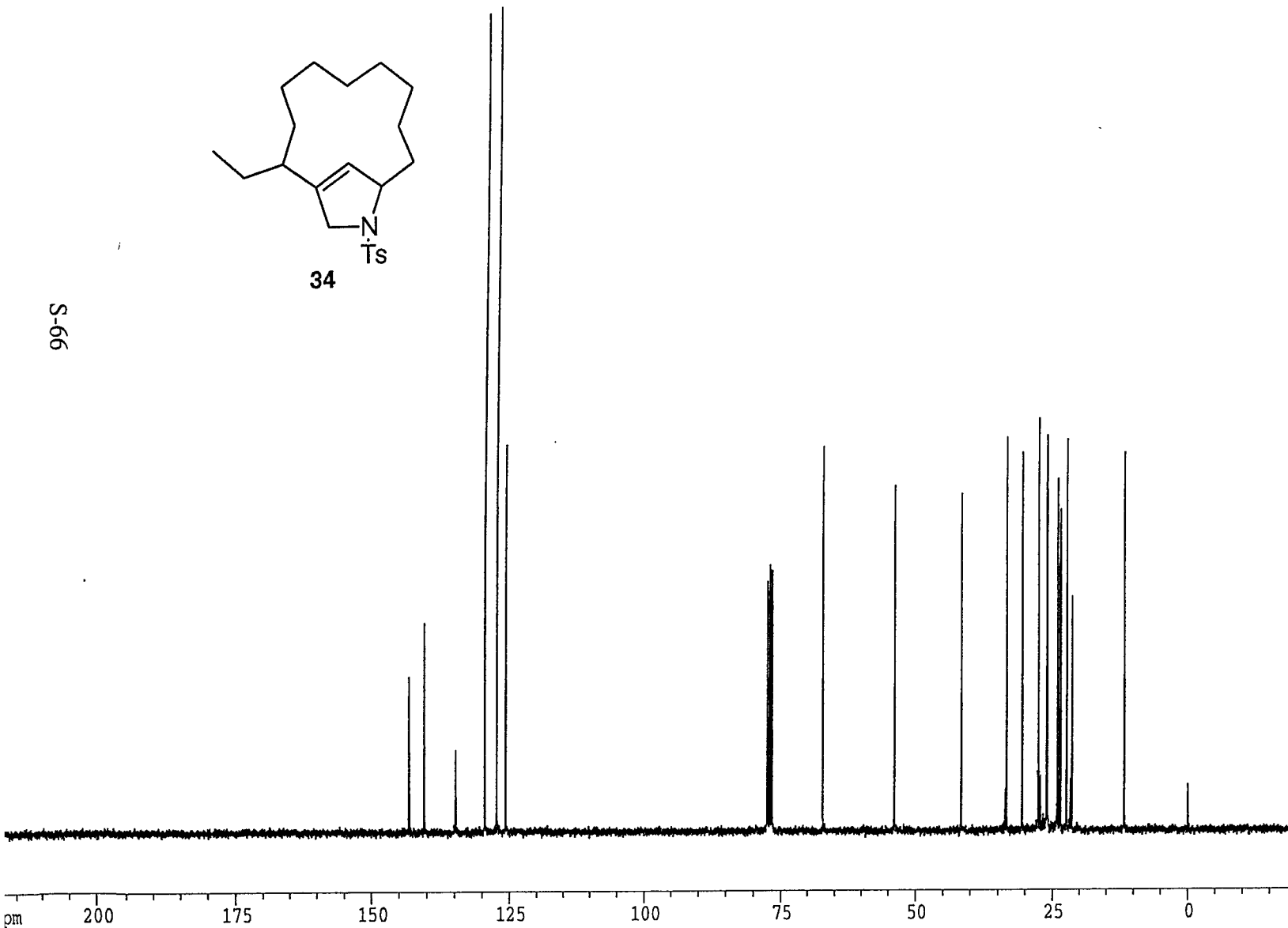




143.160
140.429
134.735
129.511
127.270
125.639

77.425
77.001
76.578
67.223

53.873
41.633
33.437
30.550
27.599
27.236
26.112
26.044
25.948
24.159
23.584
22.432
21.396
11.731



Current Data Parameters
NAME mzl7-018
EXPNO 11
PROCNO 1
DU mpi
USER szl

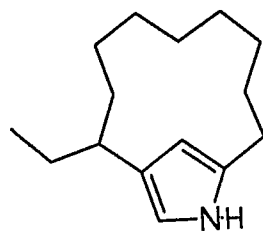
F2 - Acquisition Parameters
Date_ 980317
Time 17.47
INSTRUM dpx300
PROBHD 5 mm QNP
PULPROG zgdc30
TD 65536
SOLVENT CDC13
NS 1200
DS 2
SWH 21231.422 Hz
FIDRES 0.323966 Hz
AQ 1.5434228 sec
RG 16384
DW 23.550 usec
DE 4.50 usec
TE 300.0 K
D11 0.03000000 sec
CPDPRG waltz16
P31 80.00 usec
S2 83 dB
HL1 90 dB
D1 0.03000000 sec
P1 6.60 usec
DE 4.50 usec
SF01 75.4760670 MHz
NUCLEUS off

F2 - Processing parameters
SI 32768
SF 75.4677524 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

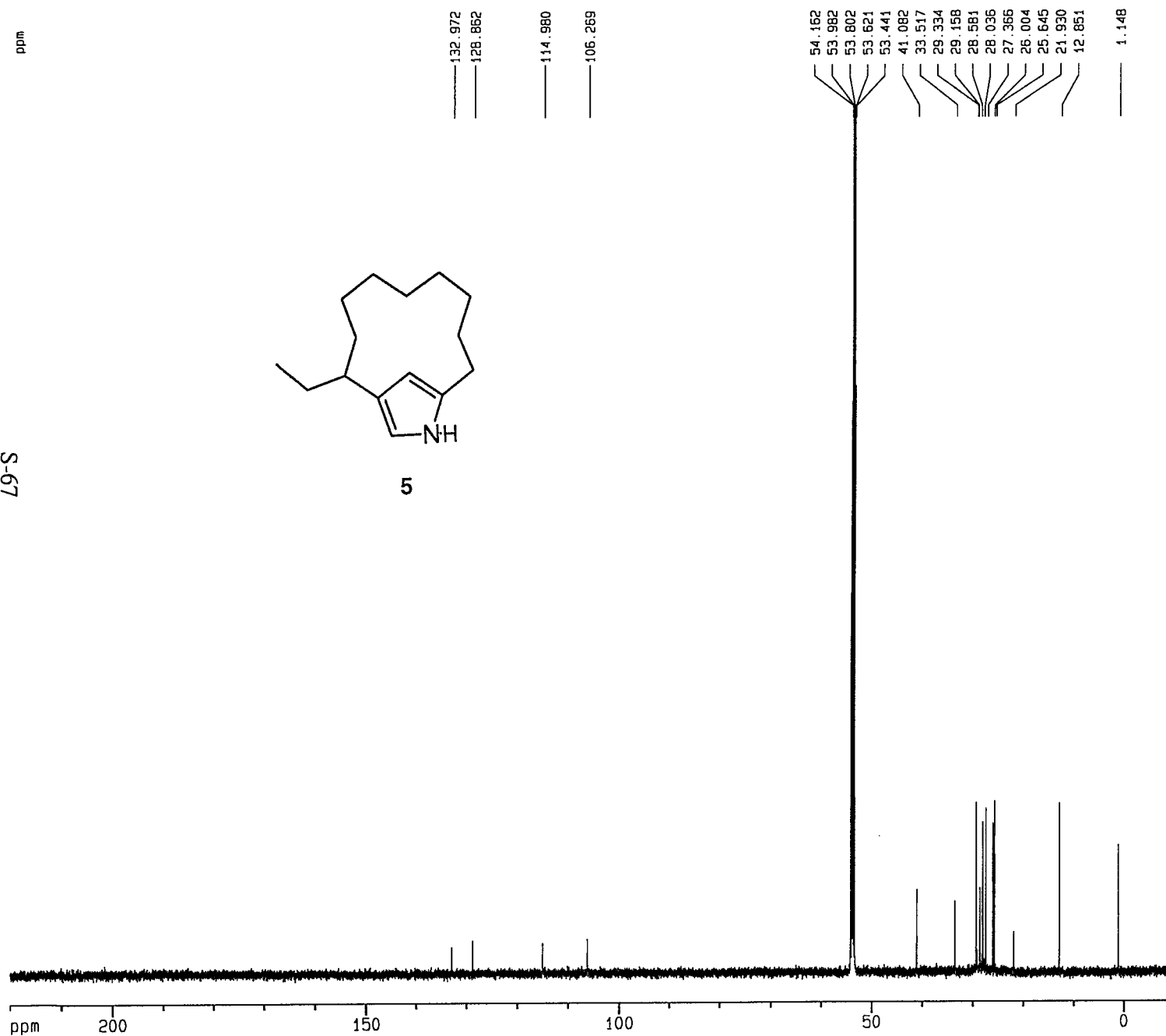
1D NMR plot parameters
CX 22.00 cm
FLP 220.000 ppm
F1 16602.91 Hz
F2P -20.000 ppm
F2 -1509.35 Hz
PPMCM 10.90909 ppm/cm
HZCM 823.28455 Hz/cm

L9-S

ppm



5



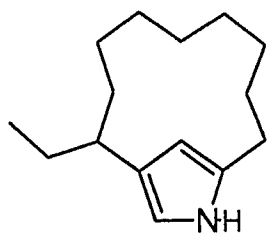
Current Data Parameters
 NAME sz108540
 EXPNO 11
 PROCNO 1
 DU v
 USER wir

F2 - Acquisition Parameters
 Date_ 980402
 Time 23 04
 INSTRUM dm600
 PROBHID 5 mm TXI 13C
 PULPROG zgpg30
 TO 65536
 SOLVENT CD2Cl2
 NS 24576
 DS 80
 SMH 37593.984 Hz
 AQ 0.8716788 sec
 RG 16384
 DN 13.300 usec
 DE 4.50 usec
 TE 303.0 K
 D11 0.03000000 sec
 PL12 17.00 dB
 CPOPRG2 waltz16
 PCPD2 80.00 usec
 SF02 600.2217405 MHz
 NUC2 13C
 PL2 0.00 dB
 D1 0.03000000 sec
 P1 16.10 usec
 DE 4.50 usec
 SF01 150.9419345 MHz
 NUC1 13C
 PL1 0.00 dB

F2 - Processing parameters
 SI 65536
 SF 150.9253777 MHz
 SR -1.31 Hz
 NDN EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 2.00

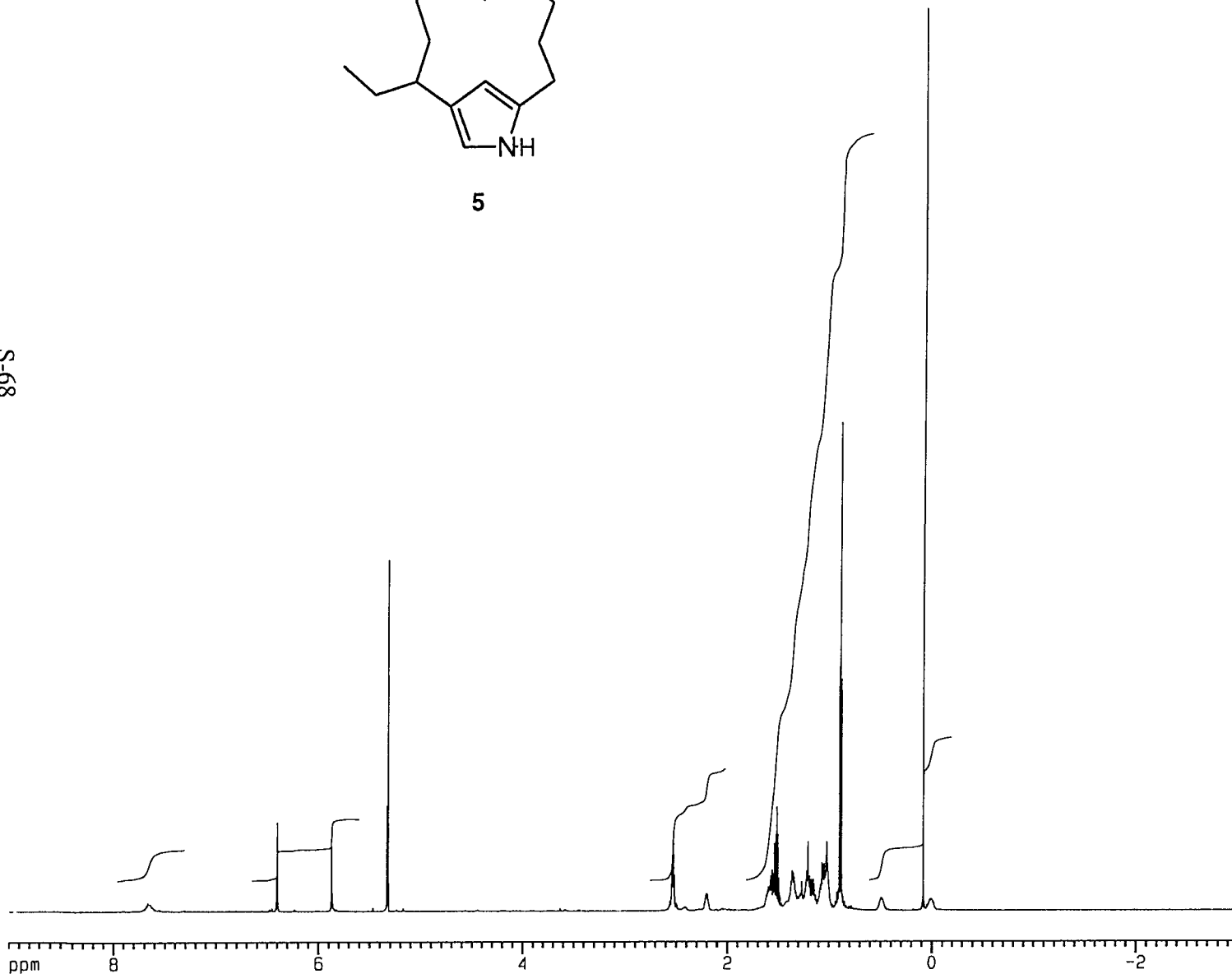
1D NMR plot parameters
 CX 20.00 cm
 CY 30.00 cm
 F1P 220.000 ppm
 F1 33203.58 Hz
 F2P -10.000 ppm
 F2 -1509.26 Hz
 PPMCK 11.50000 ppm/cm
 HZCH 1735.64209 Hz/cm

SZI-SB-085-40



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89-S



Current Data Parameters
 NAME szi08540
 EXPNO 10
 PROCNO 1
 DU v
 USER wir

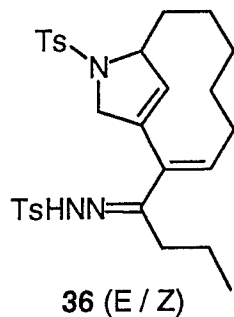
F2 - Acquisition Parameters
 Date_ 980401
 Time 8.40
 INSTRUM dmx600
 PROBHD 5 mm TXI 13C
 PULPROG zg30
 TD 65536
 SOLVENT CD2C12
 NS 32
 DS 2
 SWH 12019.230 Hz
 AQ 2.7263477 sec
 RG 256
 DW 41.600 usec
 DE 4.50 usec
 TE 303.0 K
 D1 1.00000000 sec
 P1 9.00 usec
 DE 4.50 usec
 SF01 600.2230011 MHz
 NUC1 1H
 PL1 0.00 dB

F2 - Processing parameters
 SI 131072
 SF 600.2200219 MHz
 SR 21.87 Hz
 WDW GM
 SSB 0
 LB -0.30 Hz
 GB 0.18
 PC 4.00

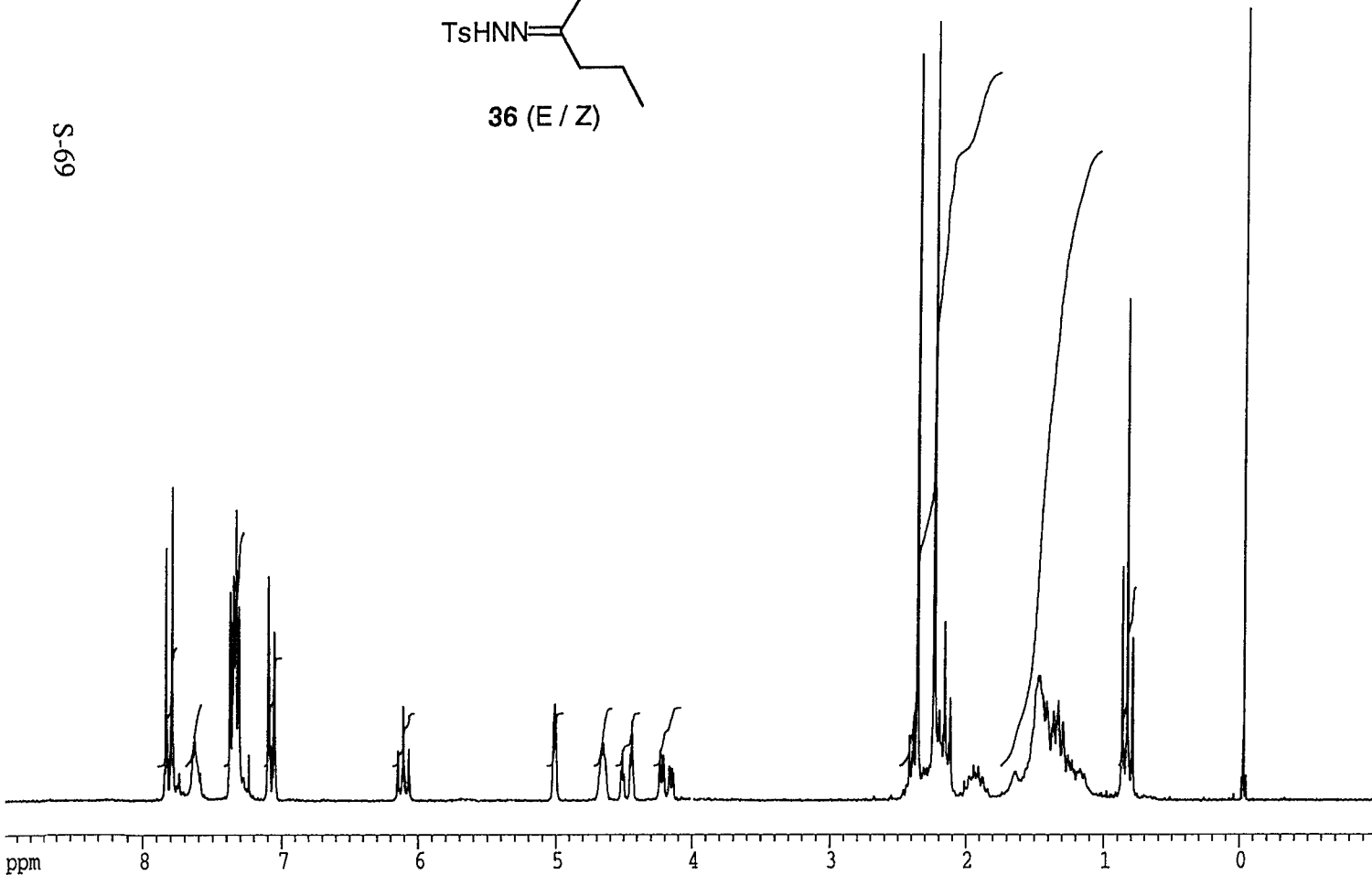
1D NMR plot parameters
 CX 20.00 cm
 CY 15.00 cm
 F1P 9.000 ppm
 F1 5401.98 Hz
 F2P -3.000 ppm
 F2 -1800.66 Hz
 PPMCM 0.60000 ppm/cm
 HZCM 360.13202 Hz/cm

SZI-SB-085-40

SZI-SA-096-10



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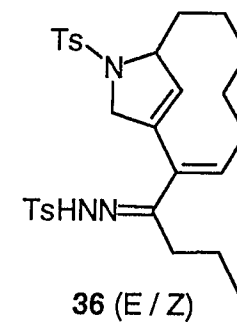
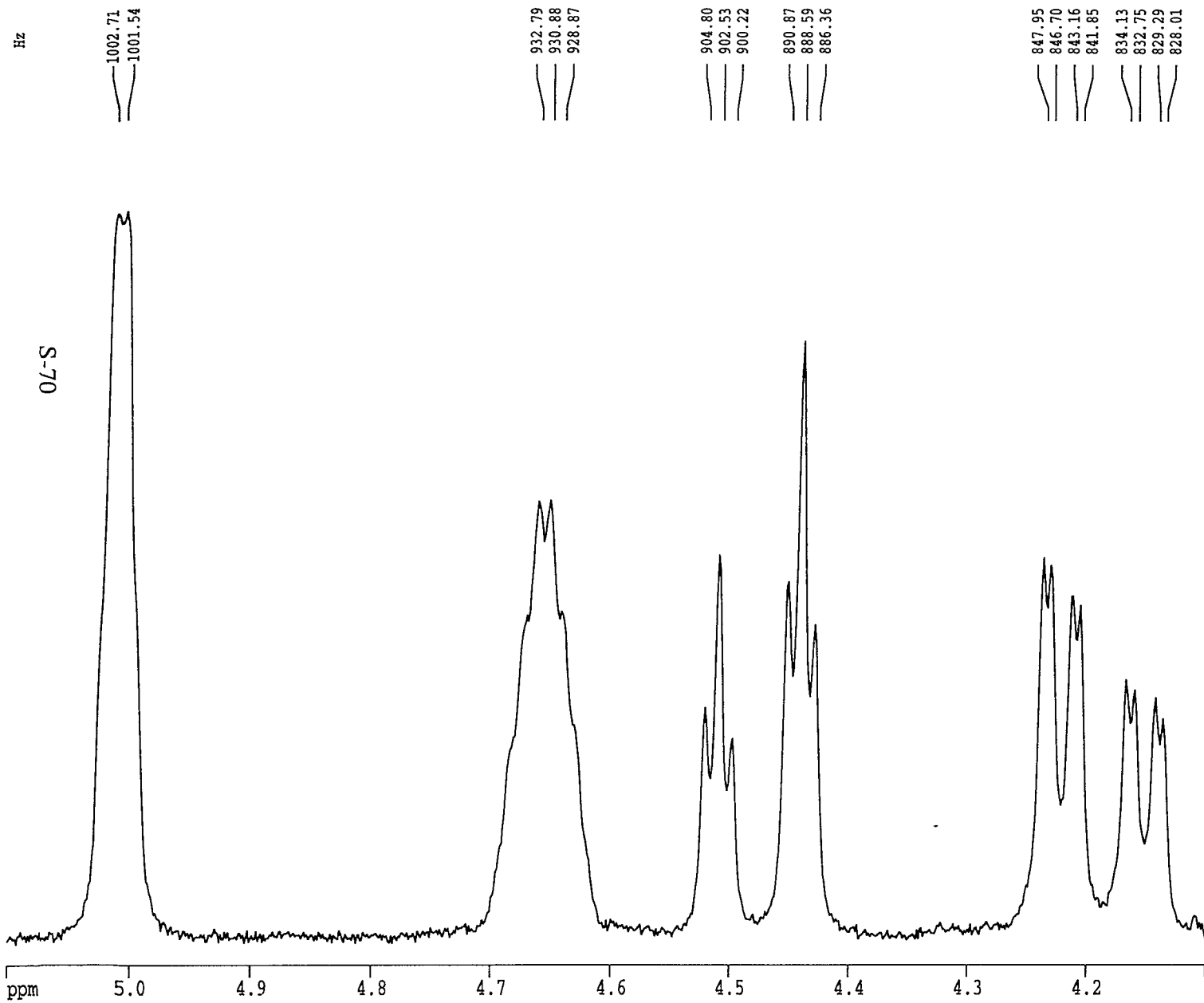
Current Data Parameters
NAME JL160F
EXPNO 111
PROCNO 1
DU mpi
USER szi

F2 - Acquisition Parameters
Date_ 970716
Time 13.50
INSTRUM ac200
PROBHD
PULPROG X59.AU
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 4032.258 Hz
FIDRES 0.123055 Hz
AQ 4.0632820 sec
RG 20
DW 124.000 usec
DE 155.00 usec
TE 300.0 K
P1 10.10 usec
HL1 83 dB
D1 1.0000000 sec
DE 155.00 usec
SFO1 200.1332390 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 16384
SF 200.1323445 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 0.50

1D NMR plot parameters
CX 20.00 cm
F1P 9.000 ppm
F1 1801.19 Hz
F2P -1.000 ppm
F2 -200.13 Hz
PPMCM 0.50000 ppm/cm
HZCM 100.06617 Hz/cm

SZI-SA-096-10



SZI-SA-096-10

Current Data Parameters
 NAME JL161F
 EXPNO 111
 PROCNO 1
 DU mpi
 USER szi

F2 - Acquisition Parameters
 Date_ 970716
 Time 14.23
 INSTRUM ac200
 PROBHD
 PULPROG X60.AU
 TD 32768
 SOLVENT CDC13
 NS 1568
 DS 0
 SWH 14285.714 Hz
 FIDRES 0.435965 Hz
 AQ 1.1469300 sec
 RG 640
 DW 35.000 usec
 DE 46.30 usec
 TE 300.0 K
 P1 15.50 usec
 HL1 20 dB
 D1 0.00100000 sec
 DE 46.30 usec
 SFO1 50.3287650 MHz
 NUCLEUS 13C

F2 - Processing parameters
 SI 16384
 SF 50.3233180 MHz
 WDW EM
 SSB 0
 LB 0.80 Hz
 GB 0
 PC 2.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 200.000 ppm
 F1 10064.66 Hz
 F2P -10.000 ppm
 F2 -503.23 Hz
 PPMCM 10.50000 ppm/cm
 HZCM 528.39484 Hz/cm

