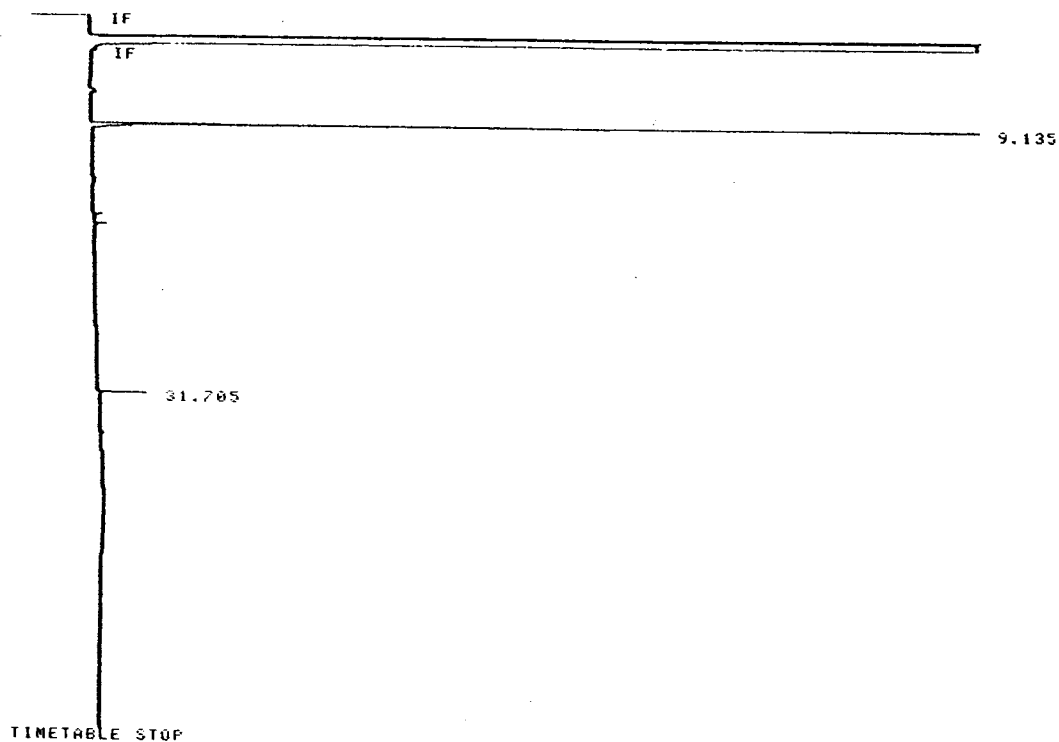


(crude product)

* RUN # 138
START



RUN# 138 FEB 7, 1981 22:32:31

RT	AREA	TYPE	WIDTH	AREA%
9.135	303063	PV	.047	100.00000

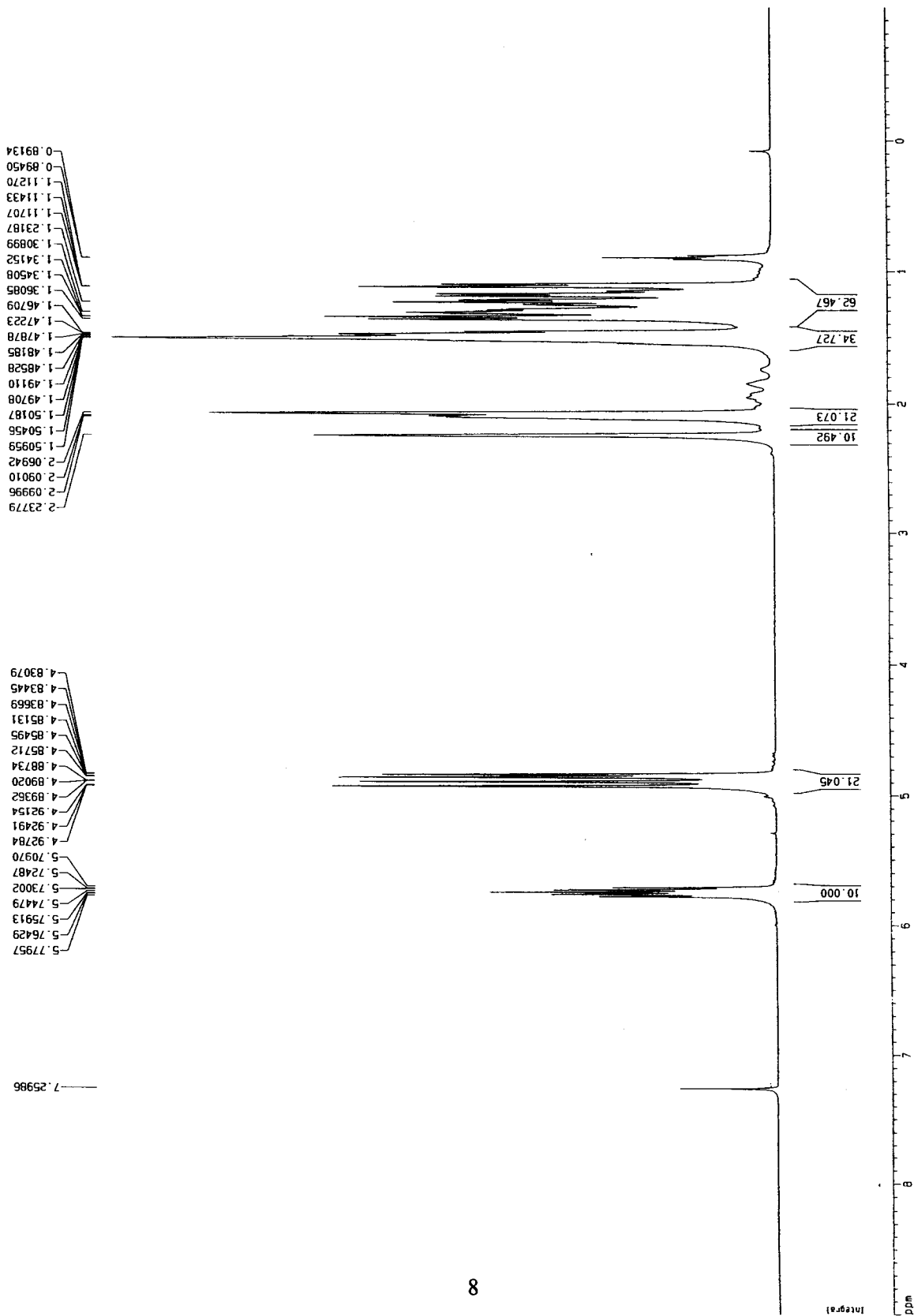
TOTAL AREA= 303063
MUL FACTOR=1.00000E+00

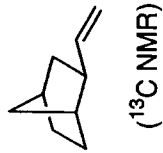
(5 min at 60 °C; 4 °C/min; 20 min at 200 °C)

Current Data Parameters
NAME H01-120
EXPNO 11
PROCNO 1
F2 - Acquisition Parameters
Date_ 20030414
Time 14.03
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.187432 Hz
AQ 3.1719823 sec
RG 35.9
DM 48.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec
***** CHANNEL f1 *****
NUC1 1H
P1 14.75 usec
PL1 -1.00 dB
SFO1 500.0230878 MHz
F2 - Processing parameters
SI 32768
SF 500.0200207 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
1D NMR plot parameters
CX 34.00 cm
FIP 9.000 ppm
F1 4500.18 Hz
F2 -1.000 ppm
F2 -500.02 Hz
PRNCH 0.29412 ppm/cm
HZCM 147.06471 Hz/cm



(¹H NMR)





46.263
42.648
37.616
36.975
35.925
30.076
29.400

77.614
77.361
77.107

111.778

144.684

Current Data Parameters
NAME MK-120
EXPNO 12
PROCNO 1
F2 - Acquisition Parameters
Date_ 20030414
Time 14.21
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 31446.541 Hz
FIDRES 0.478956 Hz
AQ 1.0429724 sec
RG 7528.2
DE 15.900 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
***** CHANNEL f1 *****
NUC1 13C
P1 13.00 usec
PL1 3.00 dB
SFO1 125.7430953 MHz
***** CHANNEL f2 *****
CPDPRG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 -1.00 dB
PL12 18.90 dB
PL13 18.90 dB
SFO2 500.0420001 MHz
F2 - Processing parameters
SI 32768
SF 125.7300870 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40
1D NMR plot parameters
CX 34.00 cm
FIP 220.000 ppm
F1 27860.62 Hz
F2P -10.000 ppm
F2 -1257.30 Hz
PPHM 6.76471 ppm/cm
HZCM 650.52704 Hz/cm



```
Current Data Parameters
NAME          MGK-120
EXPNO         10
PROCNO        1
```

F2 - Acquisition Parameters

Date_	200303130
Time	11.13
INSTRUM	SPECT
PROBHD	5 mm QNP 1H/
PULPROG	zg30
TO	16384
SOLVENT	CDCl3
NS	15
DS	2
OS	
SF	5175.983 Hz
FIDRES	0.315917 Hz
AQ	1.5827444 sec
RG	406.4
DE	95.500 USEC
ON	6.00 USEC
TE	300.0 K
OT	1.00000000 sec

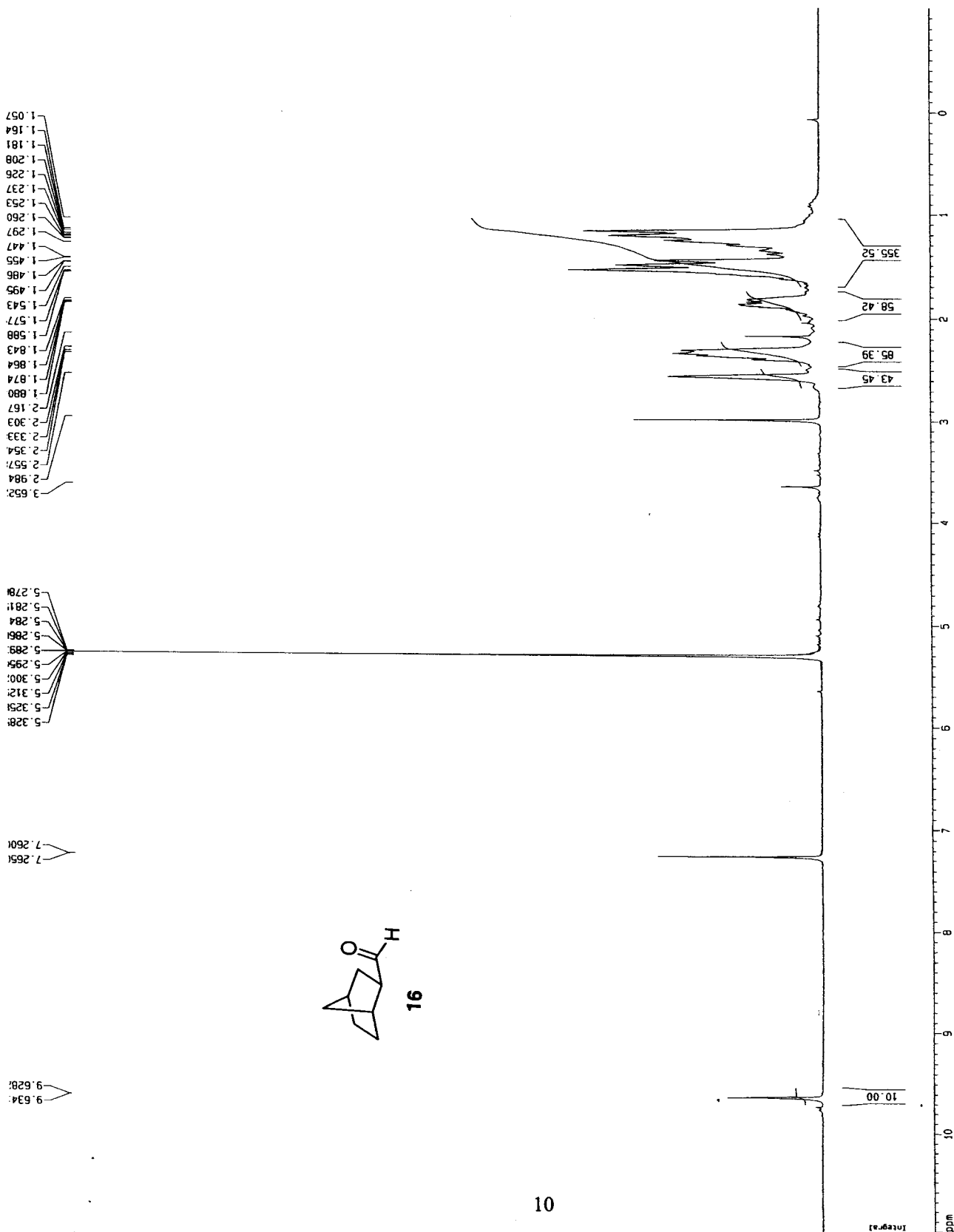
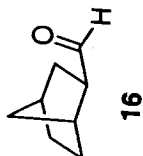
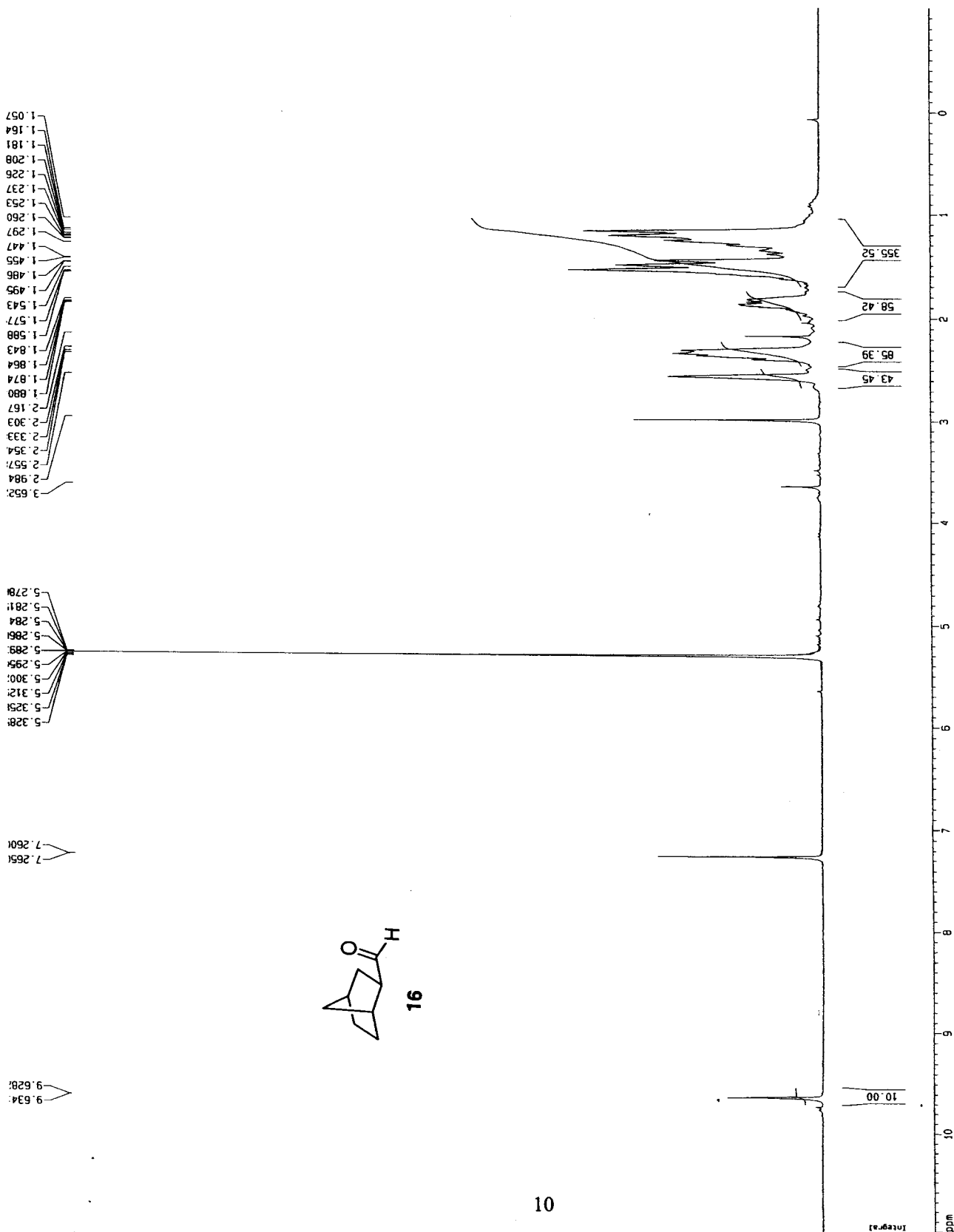
***** CHANNEL f1 *****

NUC1	1H
P1	7.20 usec
PL1	-4.00 dB
SFO1	250.1315447 MHz

3.2 - Processing parameters

SI	32768	
SF	250.1300070 MHz	
QW	EM	
SB	0	
LB	0.30 Hz	
GB	0	
PC	1.00	

1D NMR plot parameters	
1X	34.00 cm
1P	11.000 ppm
1I	2751.43 Hz
2P	-1.000 ppm
2I	-250.13 Hz
PPMCM	0.35294 ppm/cm
HZCM	88.28118 Hz/cm



Current Data Parameters
NAME MK-129
EXPNO 2
PROCNO 1
F2 - Acquisition Parameters
Data_ 20030303
Time 17.45
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
AS 32
DS 2
SWH 10330.576 Hz
FIDRES 0.157632 Hz
AQ 3.171923 sec
RG 362
DM 48.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec
***** CHANNEL f1 *****
NUC1 1H
P1 14.75 usec
PL1 -1.00 dB
SF01 500.0230878 MHz
F2 - Processing parameters
SI 32768
SF 500.019950 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
ID NMR plot parameters
CX 34.00 cm
F1P 3.048 ppm
F1 1524.24 Hz
F2P 2.474 ppm
F2 1236.96 Hz
PPMCM 0.01690 ppm/cm
HZCM 8.44840 Hz/cm

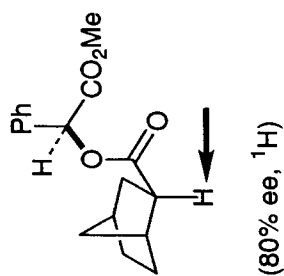
2.47716

2.54947

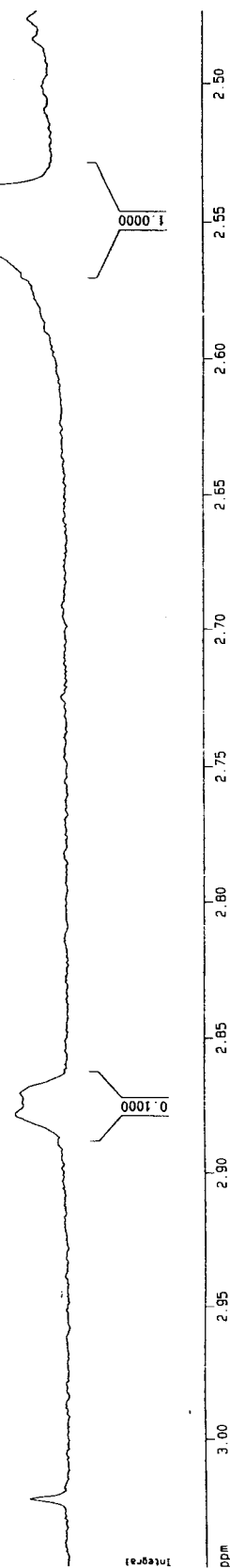
2.87865

3.02273

ppm



90:10



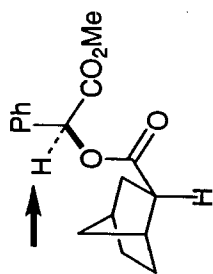
Current Data Parameters
NAME MSK-129
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030303
Time 17.45
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zgpg
TD 65536
SOLVENT CDCl3
NS 32
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719223 sec
RG 382
DM 48.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

***** CHANNEL f1 *****
NUC1 1H
P1 14.75 usec
PL1 -1.00 dB
SF01 500.0230878 MHz

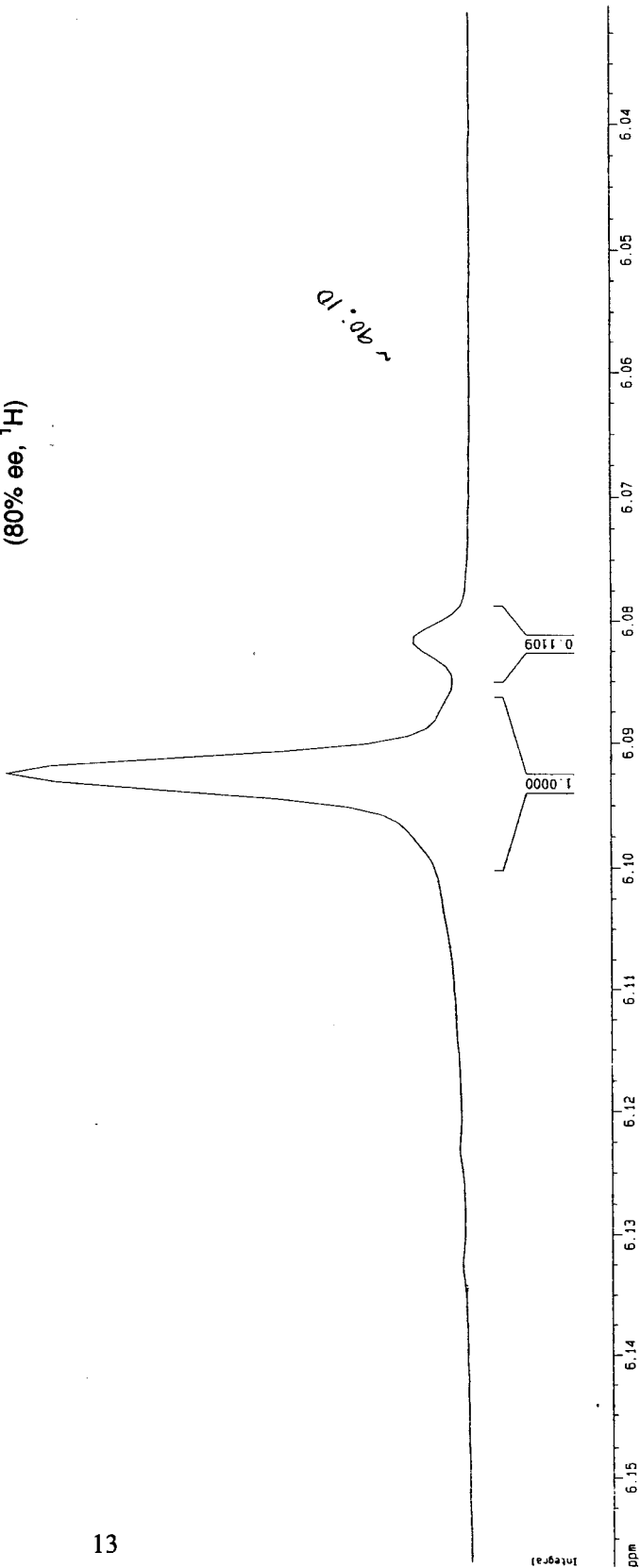
F2 - Processing parameters
SI 32768
SF 500.0199950 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 34.00 cm
FIP 6.157 ppm
F1 3078.79 Hz
F2 3015.26 Hz
PPMCH 0.00374 ppm/cm
HZCM 1.86846 Hz/cm



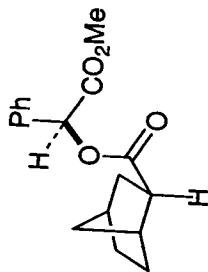
(80% ee, ¹H)

6.09263
6.08166



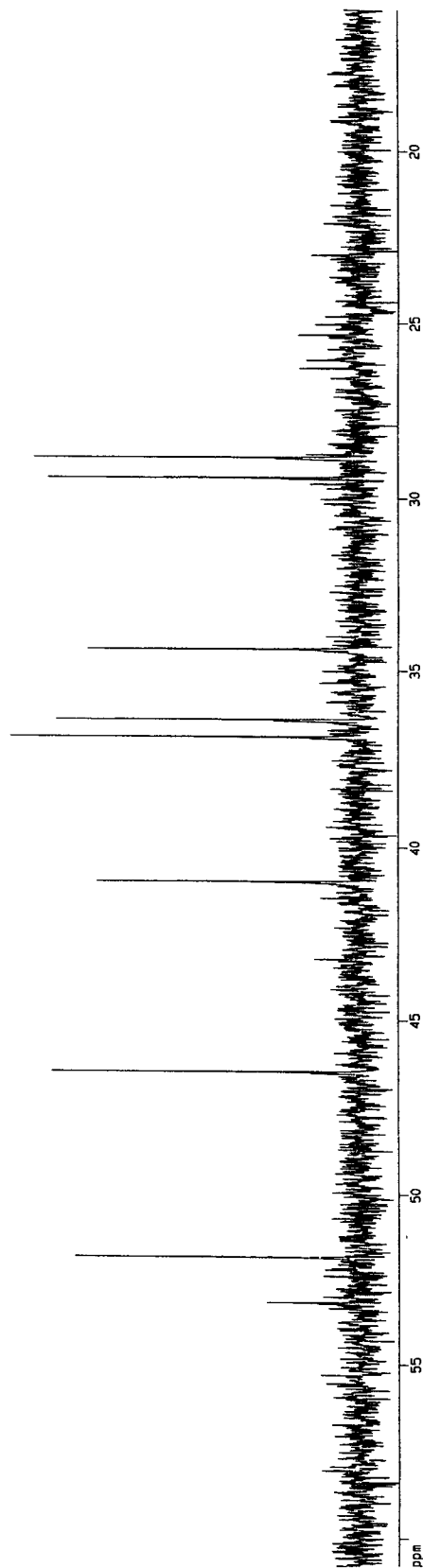
01:06 ~

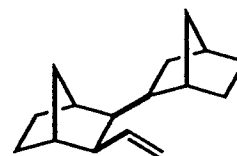
Current Data Parameters
 NAME MK-129
 EXPNO 6
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 200304
 Time 17.30
 INSTRUM spect
 PROBNM 5 mm BBO BB-1
 PULPROG zgpg30
 TO 65536
 SOLVENT CDCl₃
 NS 1313
 DS 4
 SWH 31446.541 Hz
 FIDRES 0.479836 Hz
 AQ 1.0420724 sec
 RG 4096
 DW 15.900 usec
 DE 6.00 usec
 TE 300.0 K
 O1 2.00000000 sec
 O11 0.03000000 sec
 O12 0.0002000 sec
 ***** CHANNEL f1 *****
 NUC1 ¹³C
 P1 13.00 usec
 PL1 3.00 dB
 SF01 125.7439593 MHz
 ***** CHANNEL f2 *****
 CPDPRG2 waltz16
 NUC2 ¹H
 PCPD2 100.00 usec
 PL2 -1.00 dB
 PL12 19.00 dB
 PL13 19.00 dB
 SF02 500.0220001 MHz
 F2 - Processing parameters
 SI 32768
 SF 125.7300884 MHz
 WDM EN
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40
 1D NMR plot parameters
 CX 34.00 cm
 FIP 60.821 ppm
 F1 7847.07 Hz
 F2P 16.029 ppm
 F2 2015.38 Hz
 PPMCH 1.31741 ppm/cm
 HZCH 165.53808 Hz/cm



(80% ee, ¹³C)

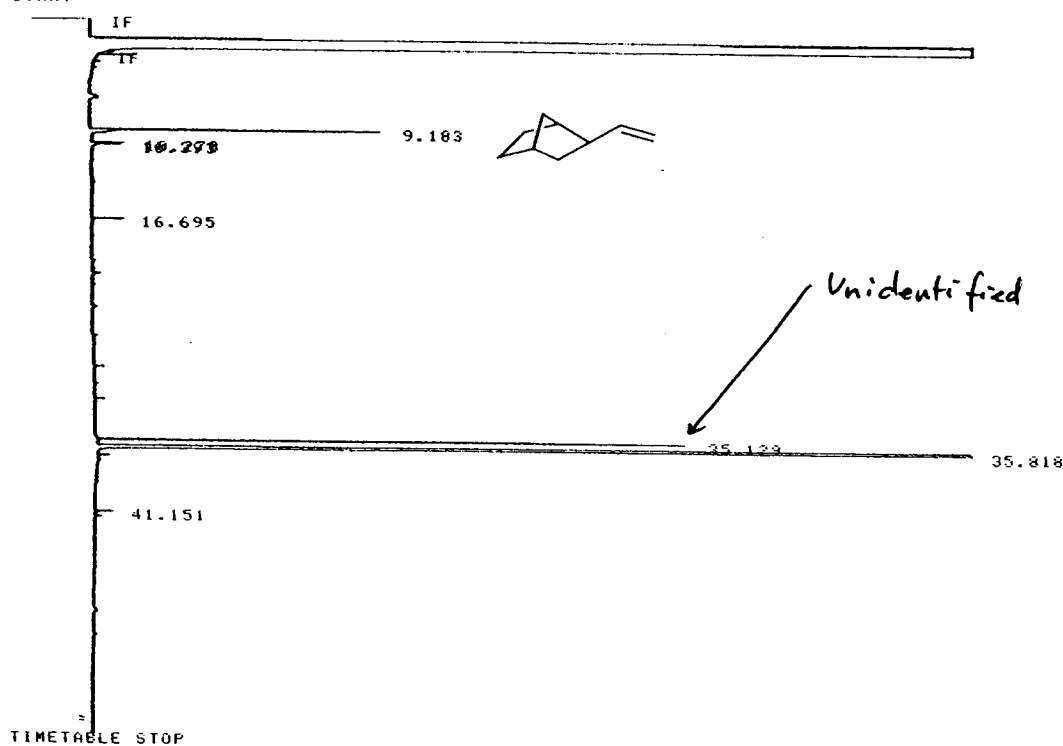
28.8194
 29.4065
 34.3867
 36.3457
 36.8270
 41.0070
 46.4435
 51.8867
 53.2512





(crude product)

* RUN # 63
START

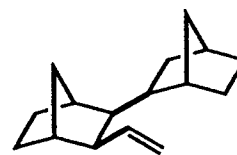


RUN# 63 JAN 24. 1981 16:59:48

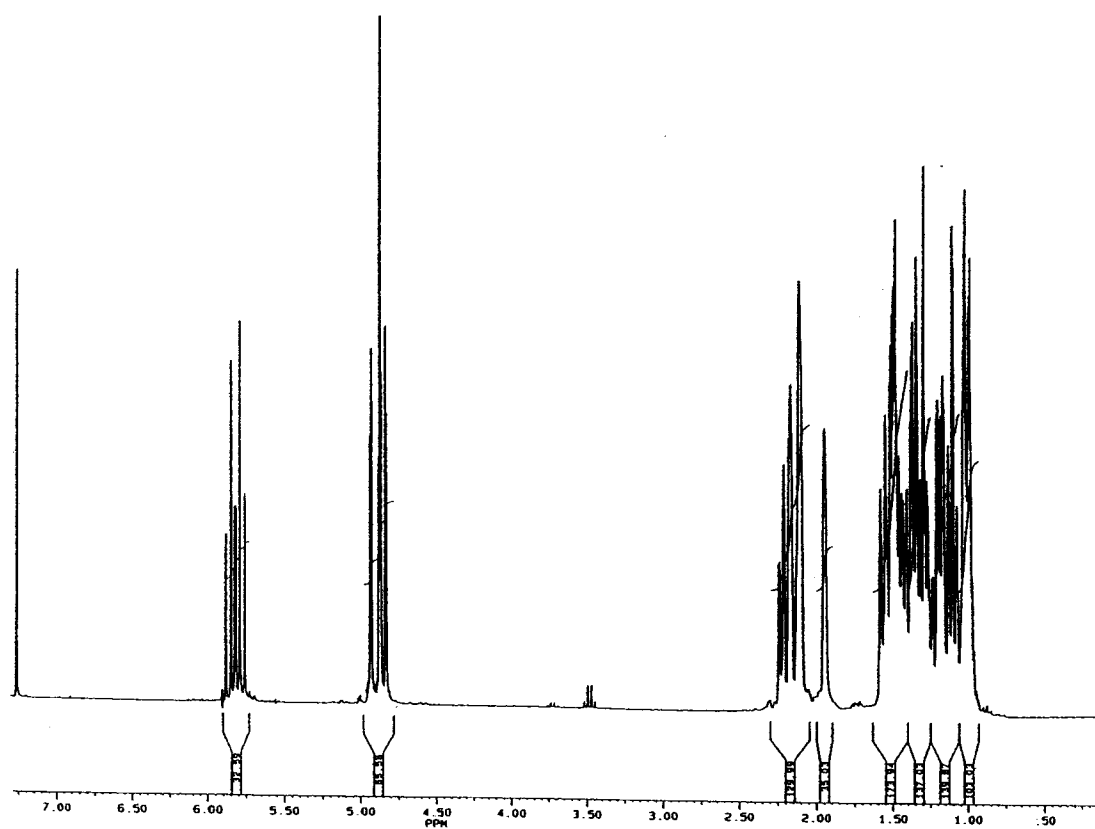
RT	AREA	TYPE	WIDTH	AREA%
9.183	59057	PB	.049	.69849
35.129	163432	PB	.064	1.93299
35.818	8232410	PB	.115	97.36854

TOTAL AREA=8.4549E+06
MUL FACTOR=1.0000E+00

(5 min at 60 °C; 4 °C/min; 25 min at 180 °C)



(crude product)



Current Data Parameters

NAME HGR-153
 EXPNO 7
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20030416
 Time 15:07
 Instrument spect
 PROBHD 5 mm BBO BB-1
 PULPROG zgpg30
 TO 55536
 SOLVENT CDCl3
 NS 103
 DS 4
 SWH 31446.541 Hz
 FIDRES 0.475835 Hz
 AQ 1.0420724 sec
 RG 4095
 DW 15.900 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 D12 0.00002000 sec
 ***** CHANNEL f1 *****
 NUC1 13C
 P1 13.00 usec
 PL1 3.00 dB
 SF01 125.7438953 MHz
 ***** CHANNEL f2 *****
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 usec
 PL2 -1.00 dB
 PL12 18.80 dB
 PL13 18.80 dB
 SF02 500.0220001 MHz
 F2 - Processing parameters
 SI 32768
 SF 125.7300879 MHz
 MDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40
 10 MHz plot parameters
 CX 34.00 cm
 F1P 58.712 ppm
 F1 7507.61 Hz
 F2P 26.605 ppm
 F2 3345.05 Hz
 PPMCH 0.97374 ppm/cm
 MZCM 122.42813 Hz/cm

29.3019
 29.4315

30.6486
 31.0312

33.9142

35.7857

37.4176

40.0131

41.2878
 41.3103

44.0842

45.0574

51.6061

54.3083



racemic
 (¹³C NMR)



NAME
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date_ 20030226
Time 19:15
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 4
SWH 10330.573 Hz
FIDRES 0.157532 Hz
AQ 3.115093 sec
RG 257.2
DA 48.400 usec
DE 6.00 usec
TE 300.2 K
D1 1.00000000 sec

***** CHANNEL f1 *****

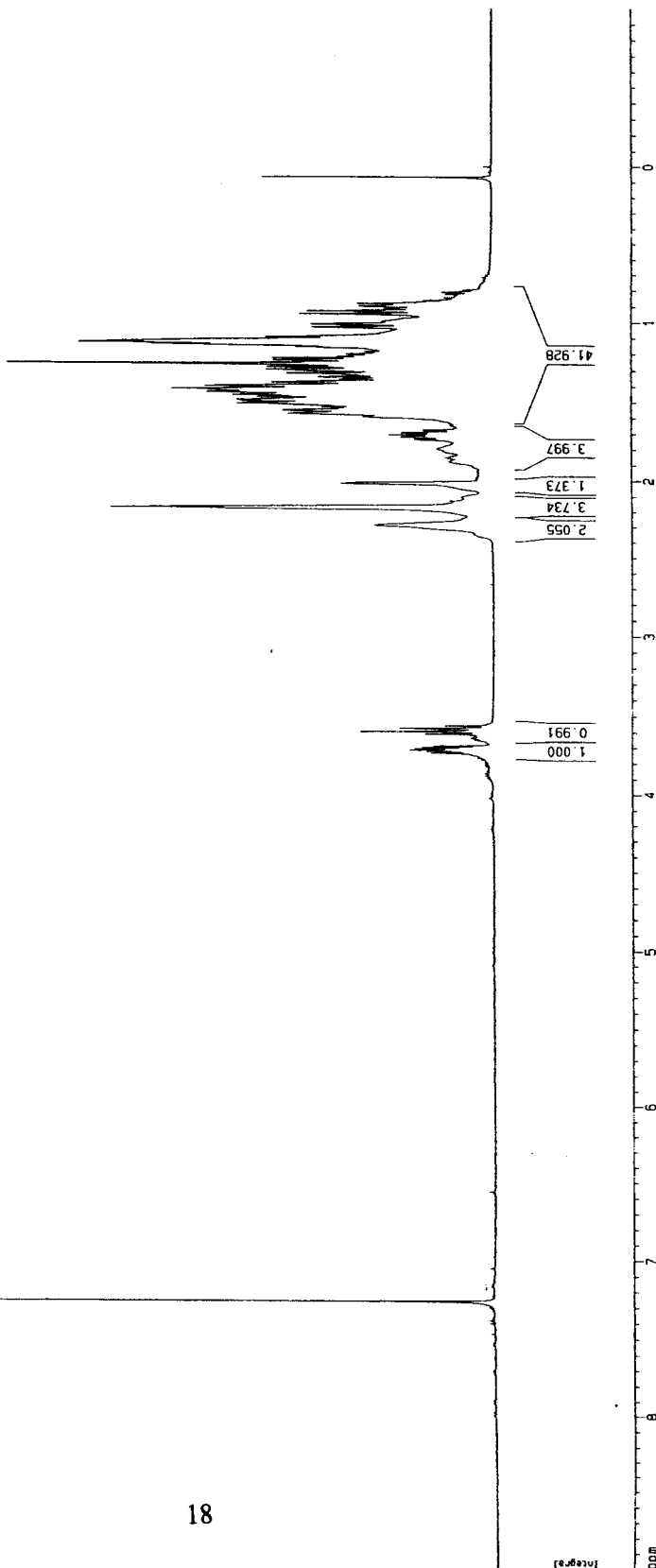
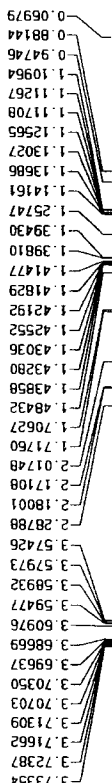
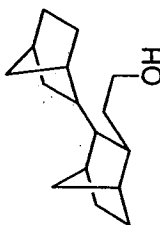
NUC1 H
P1 14.75 usec
PL1 -1.00 dB
SFO1 300.0230878 MHz

F2 - Processing parameters

SI 32768
SF 500.0200267 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 34.00 cm
F1P 9.000 ppm
F1 4500.18 Hz
F2P -1.000 ppm
F2 -500.02 Hz
PPhOH 0.29412 ppm/cm
HZCM 147.06471 Hz/cm



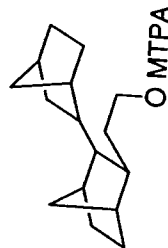
Current Date Parameters
NAME MCK-133
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030214
Time 14:50
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
AQ 16
RG 2
SHW 10330.578 Hz
FIDRES 0.167632 Hz
AQ 3.1719923 sec
RG 114
DM 48.400 usec
DE 5.00 usec
TE 300.0 K
D1 1.00000000 sec

***** CHANNEL f1 *****
NUC1 1H
P1 14.75 usec
PL1 -1.00 dB
SF01 500.0230878 MHz

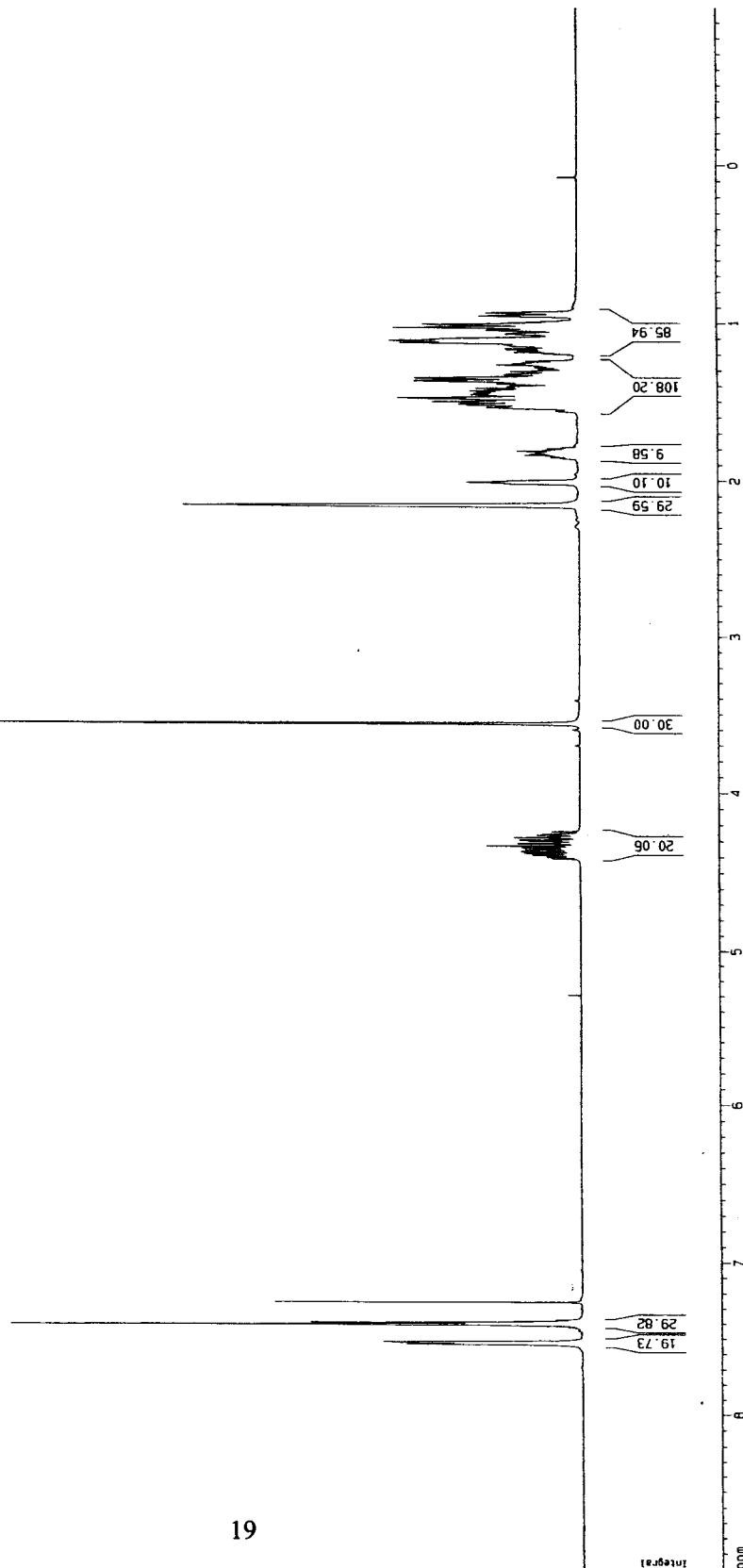
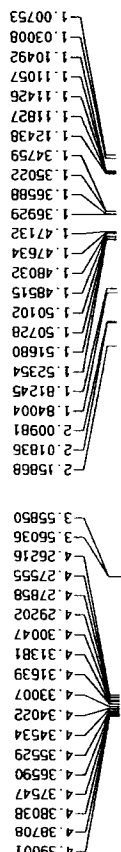
F2 - Processing parameters
SI 32768
SF 500.0200211 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

10 NMR plot parameters
CX 34.00 cm
FIP 9.000 ppm
F1 4500.18 Hz
F2 -1.000 ppm
F2 -500.02 Hz
PPMCH 0.29412 ppm/cm
HZCM 147.06471 Hz/cm



racemic

(¹H NMR)



Current Data Parameters
NAME H01-133
EXPNO 6
PROCNO 1

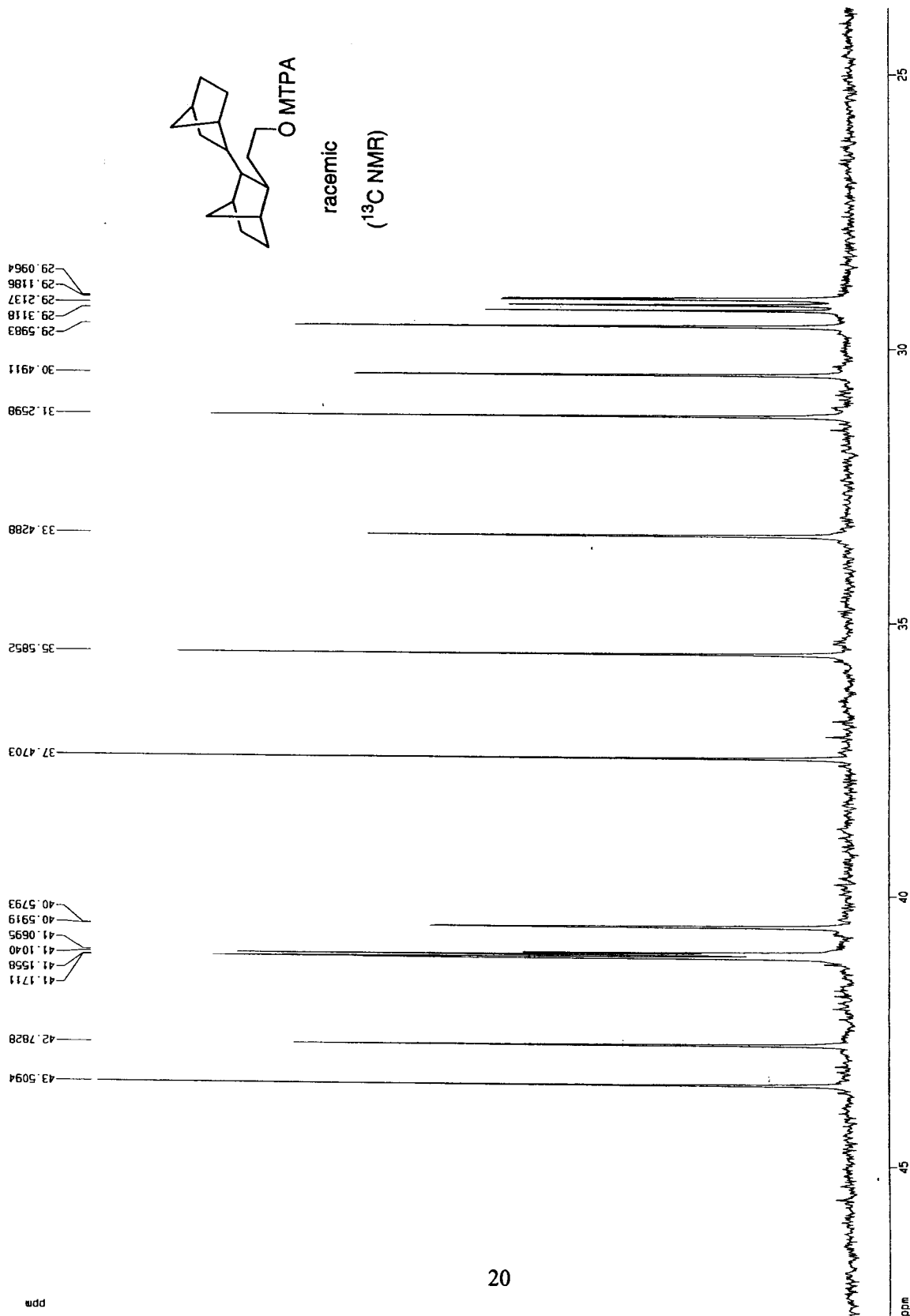
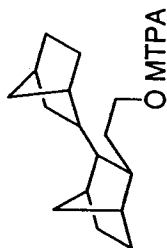
F2 - Acquisition Parameters
Date_ 20080717
Time 12:52
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 31446.541 Hz
FIDRES 0.478936 Hz
AQ 1.0420724 sec
RG 4096
DE 15.900 usec
OE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00020000 sec

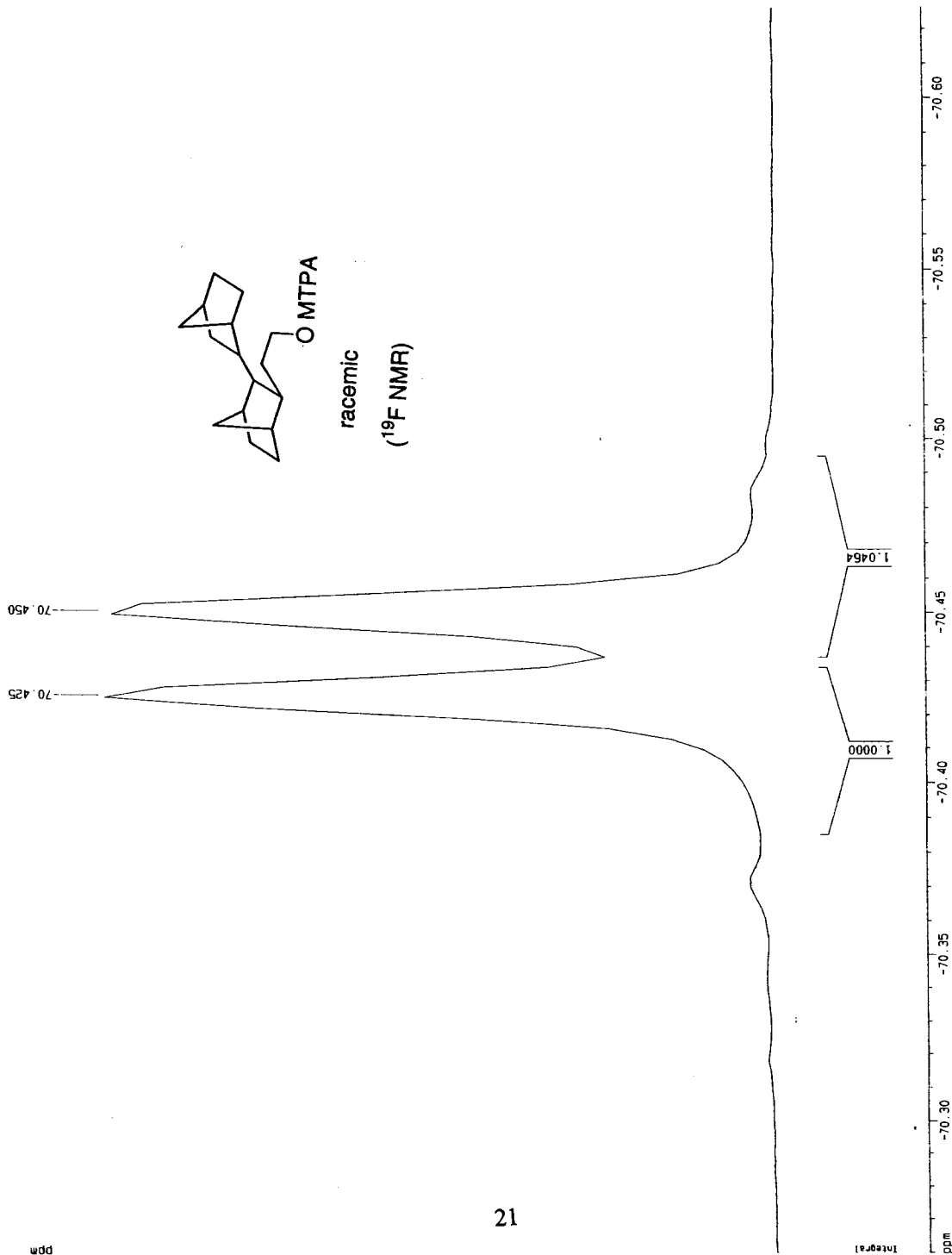
===== CHANNEL f1 =====
NUC1 13C
P1 13.00 usec
PL1 3.00 dB
SFO1 125.7435003 MHz

===== CHANNEL f2 =====
CPOPRG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 -1.00 dB
PL12 18.80 dB
PL13 18.80 dB
SFO2 500.0220001 MHz

F2 - Processing parameters
SI 32768
SF 125.7300889 MHz
WDW EN
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 34.00 cm
FIP 47.741 ppm
F1 6002.53 Hz
F2 23.815 ppm
F2 2994.30 Hz
PPHCH 0.70371 ppm/cm
HZCH 88.47747 Hz/cm





Current Data Parameters
 NAME kramatah
 EXPNO 4
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030325
 Time 15 47
 INSTRUM spect
 PROBHD 5 mm QNP 1H/
 PULPROG zgpg30
 TO 131072
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 75187.969 Hz
 FIDRES 0.573639 Hz
 AQ 0.6718788 sec
 RG 1024
 DW 6.650 usec
 DE 6.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 d11 0.03000000 sec
 d12 0.00002000 sec

===== CHANNEL f1 =====
 NUC1 19F
 P1 13.00 usec
 PL1 0.00 dB
 SF01 376.4684141 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 usec
 PL2 0.00 dB
 PL12 120.00 dB
 SF02 400.1316005 MHz

F2 - Processing parameters
 SI 65536
 SF 376.4979565 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 F1P -70.260 ppm
 F1 -26452.88 Hz
 F2P -70.626 ppm
 F2 -26590.64 Hz
 PPMCM 0.01222 ppm/cm
 HZCM 4.60205 Hz/cm

