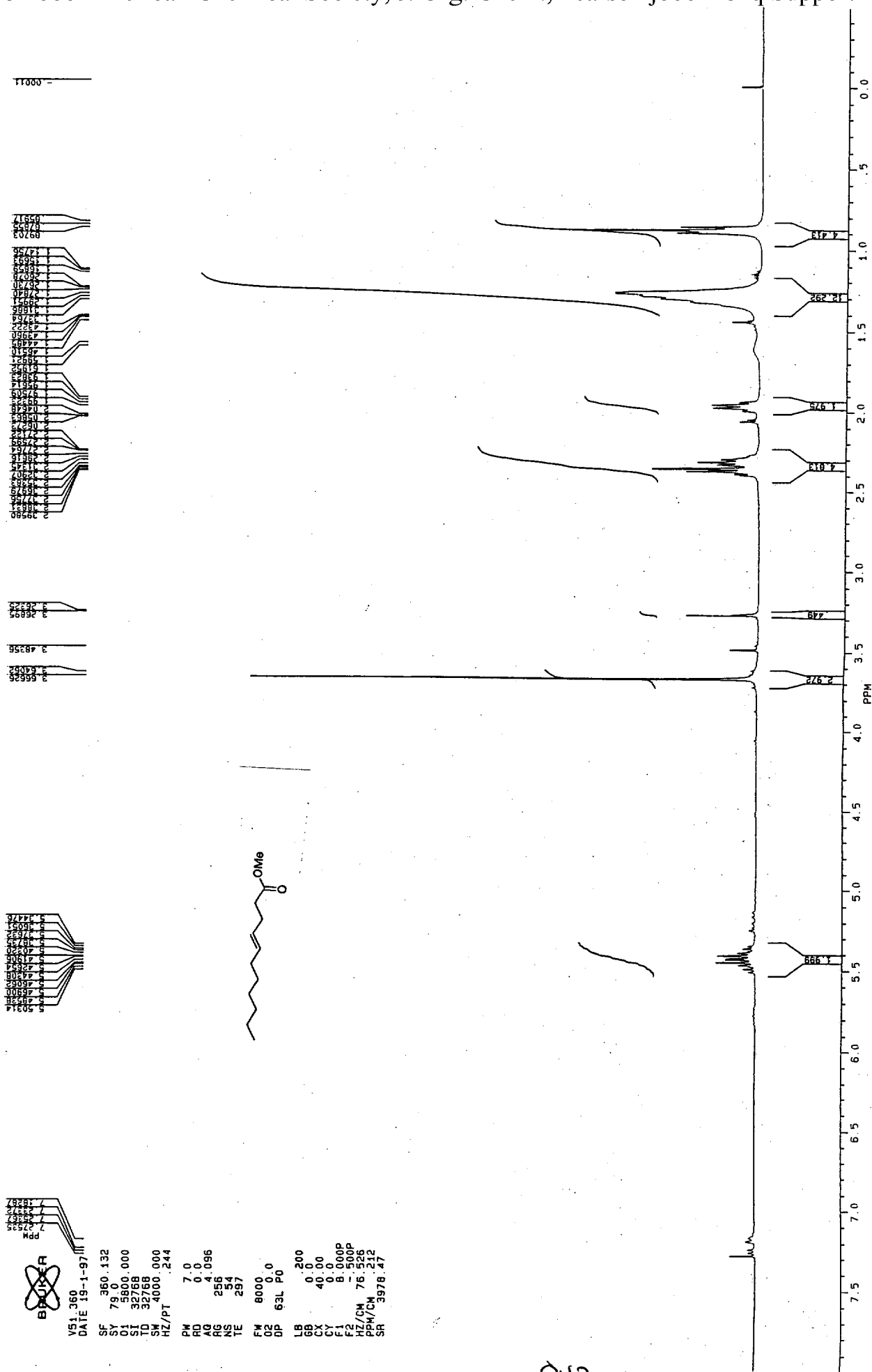
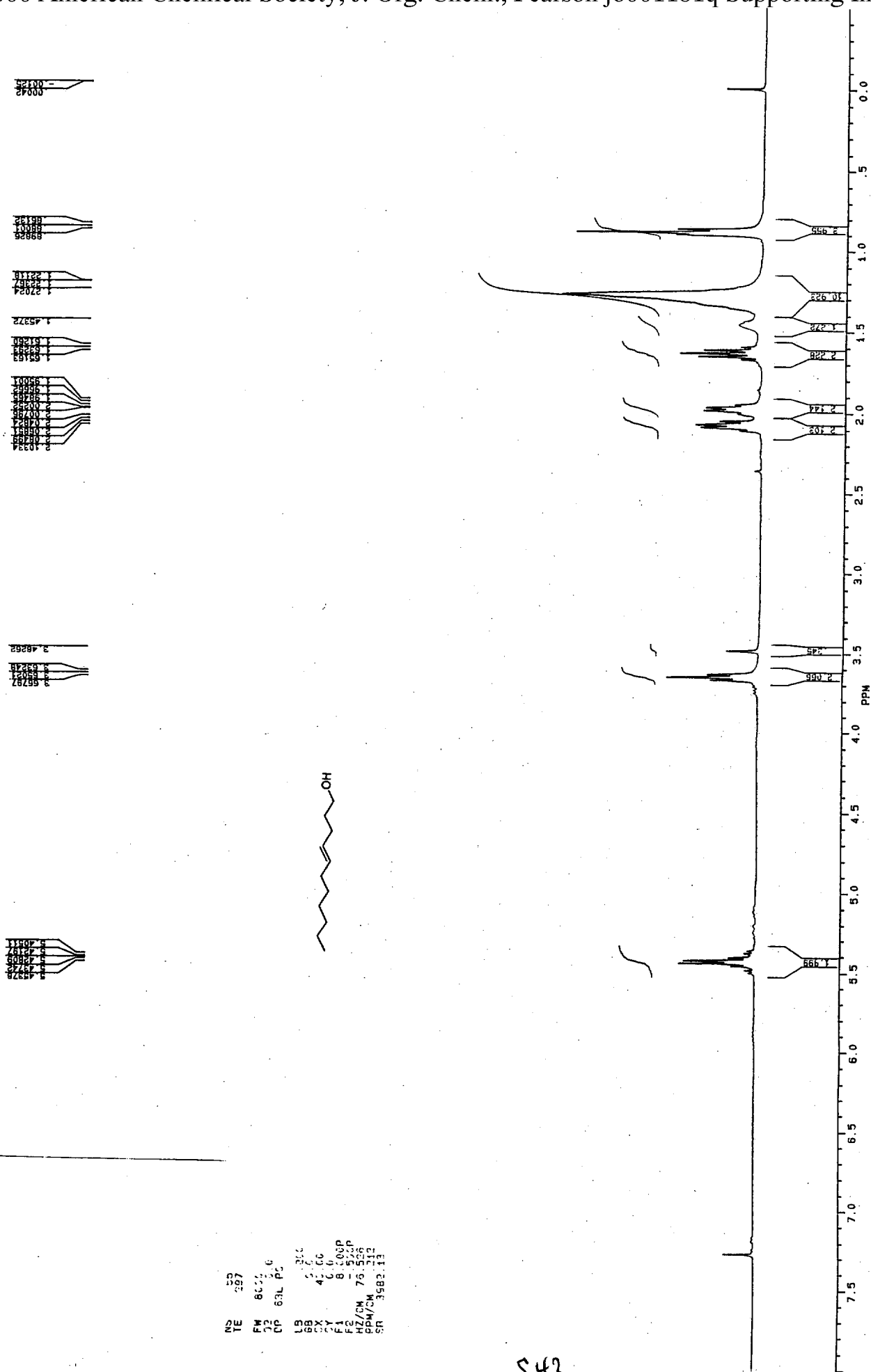




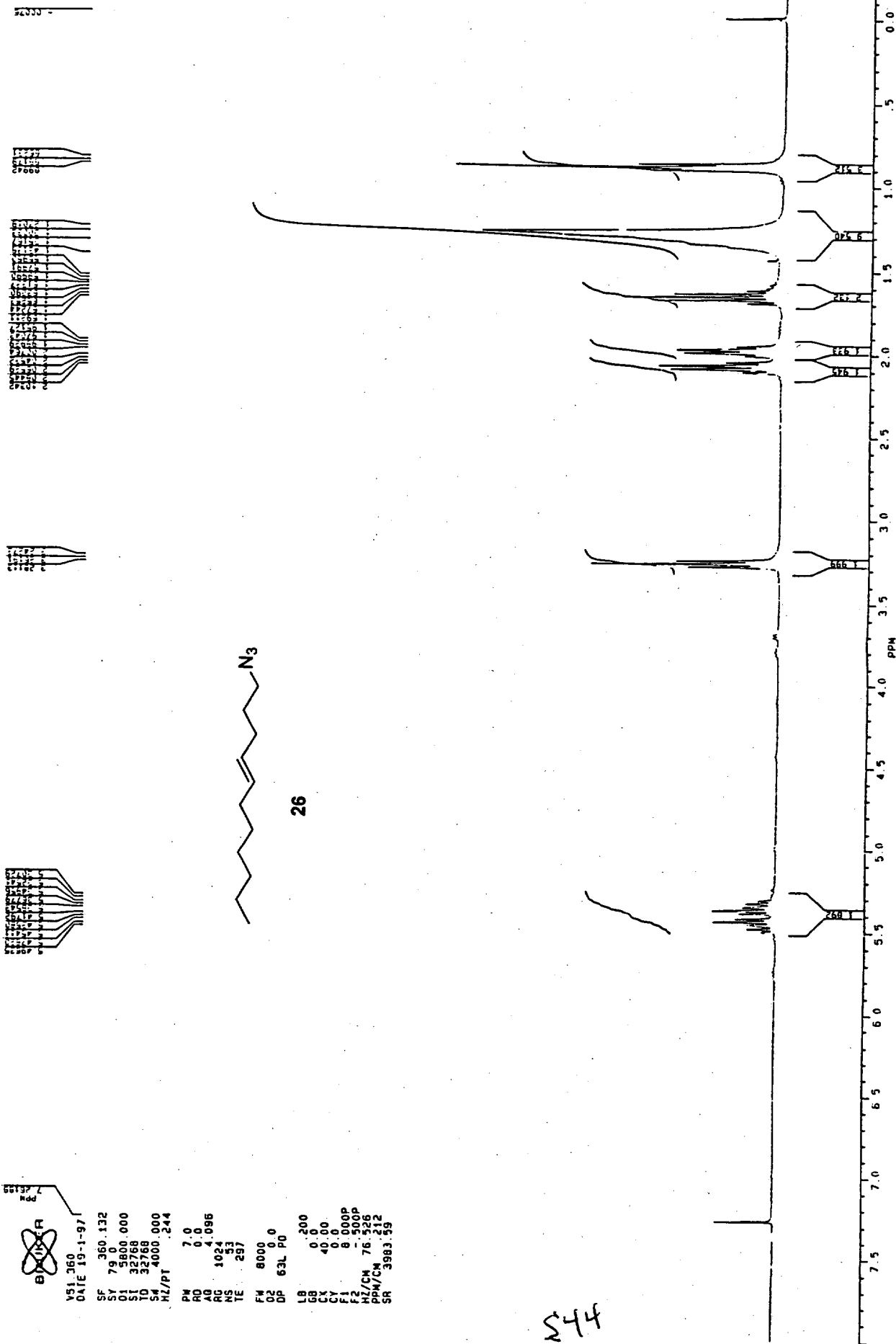


543

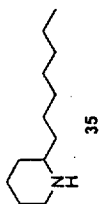
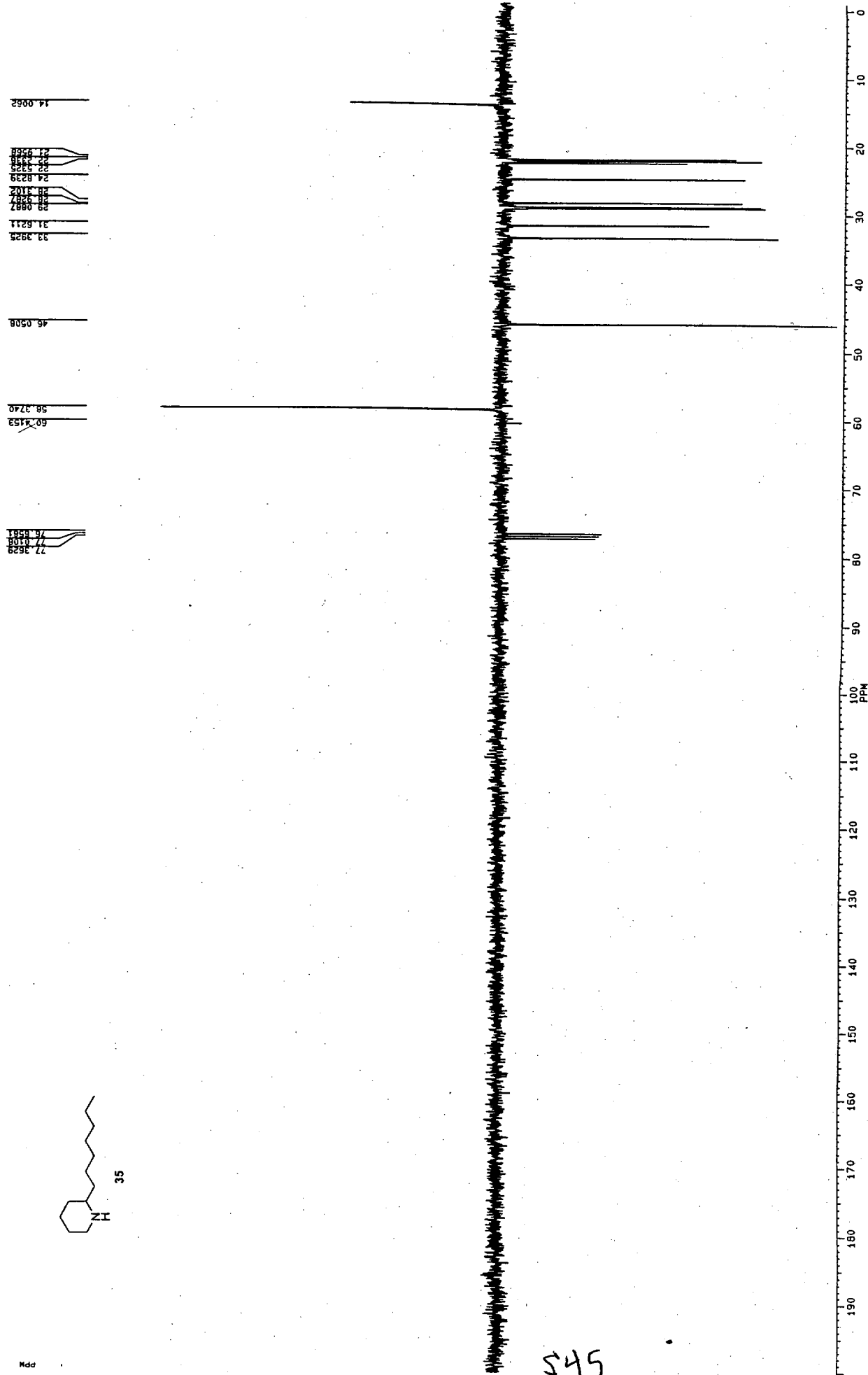
50132.7
 Hdd
 BOK R
 Y51.360
 DATE 19-1-97
 SF 360.132
 Q1 79 3600.000
 SI 32768
 TD 32768
 S4 4000.000
 HZ/PT .244
 PW 7.0
 P0 0.0
 AB 1024
 RG 33
 TE 297
 FW 8000
 O2 0.0
 DP 63L P0
 LB .200
 GB 0.0
 CX 40.00
 CY 0.0
 F1 8.000P
 HZ/CH 76.325
 PPM/CH 3983.59
 SR 3983.59



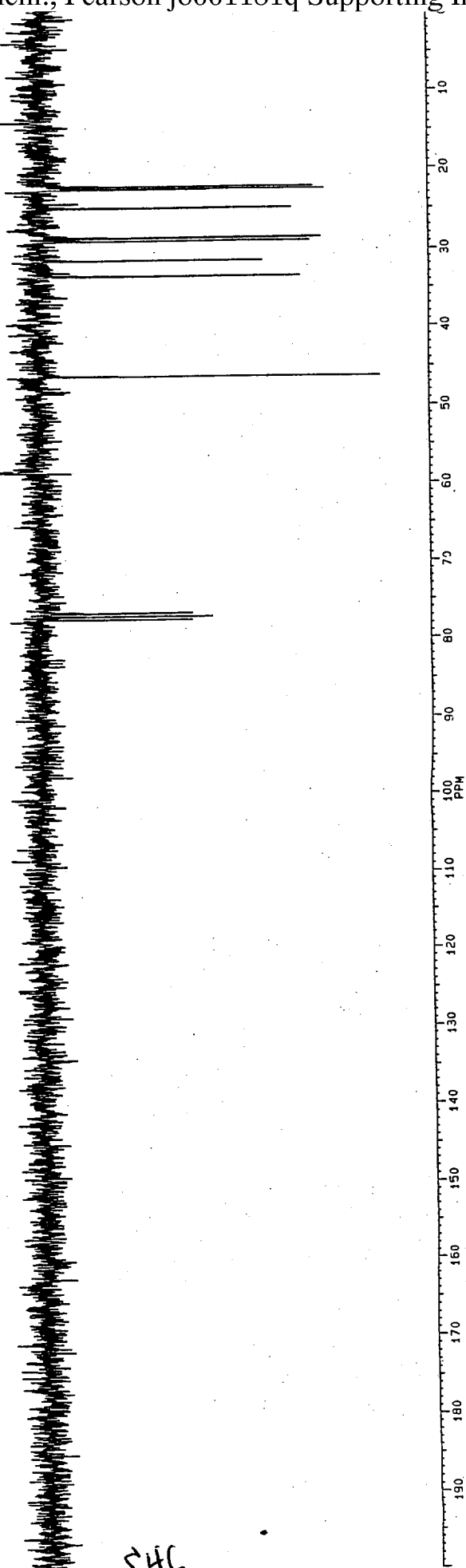
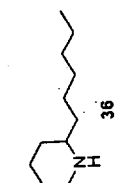
26



S44

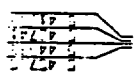
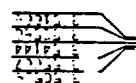
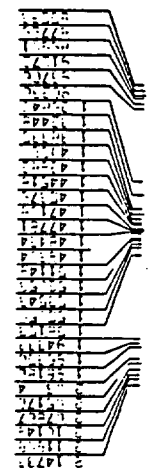


14.0141
 22.4754
 22.4897
 24.0648
 28.4851
 28.0505
 31.4761
 33.4552
 46.1689
 58.5159
 77.4902
 76.5886
 76.5745

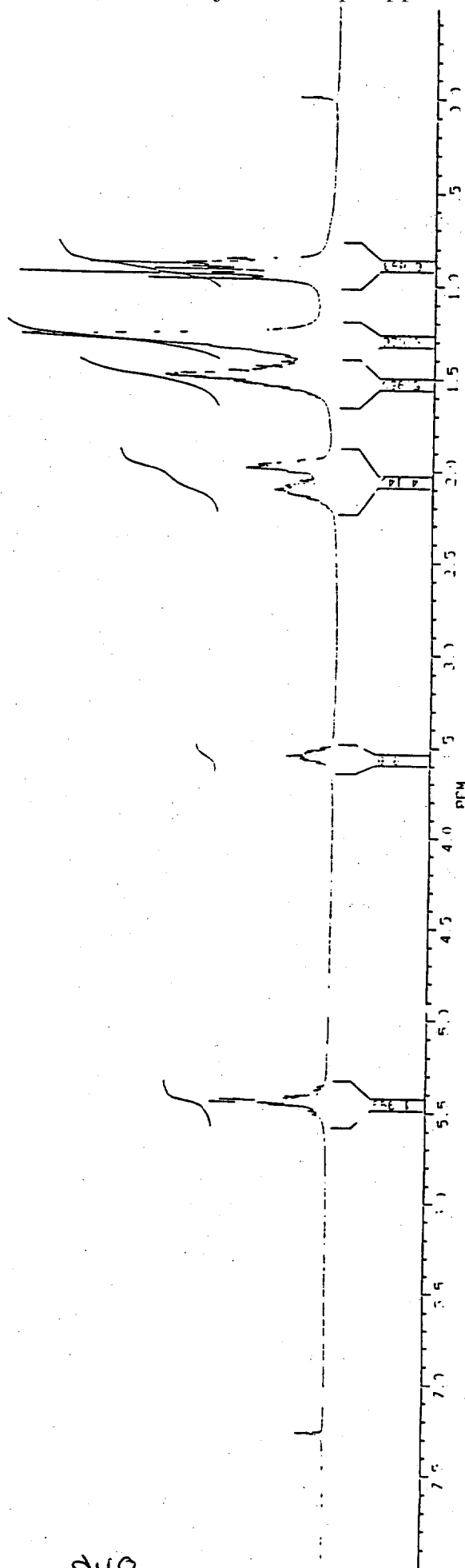
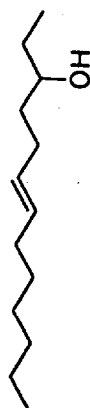


546

PPM -

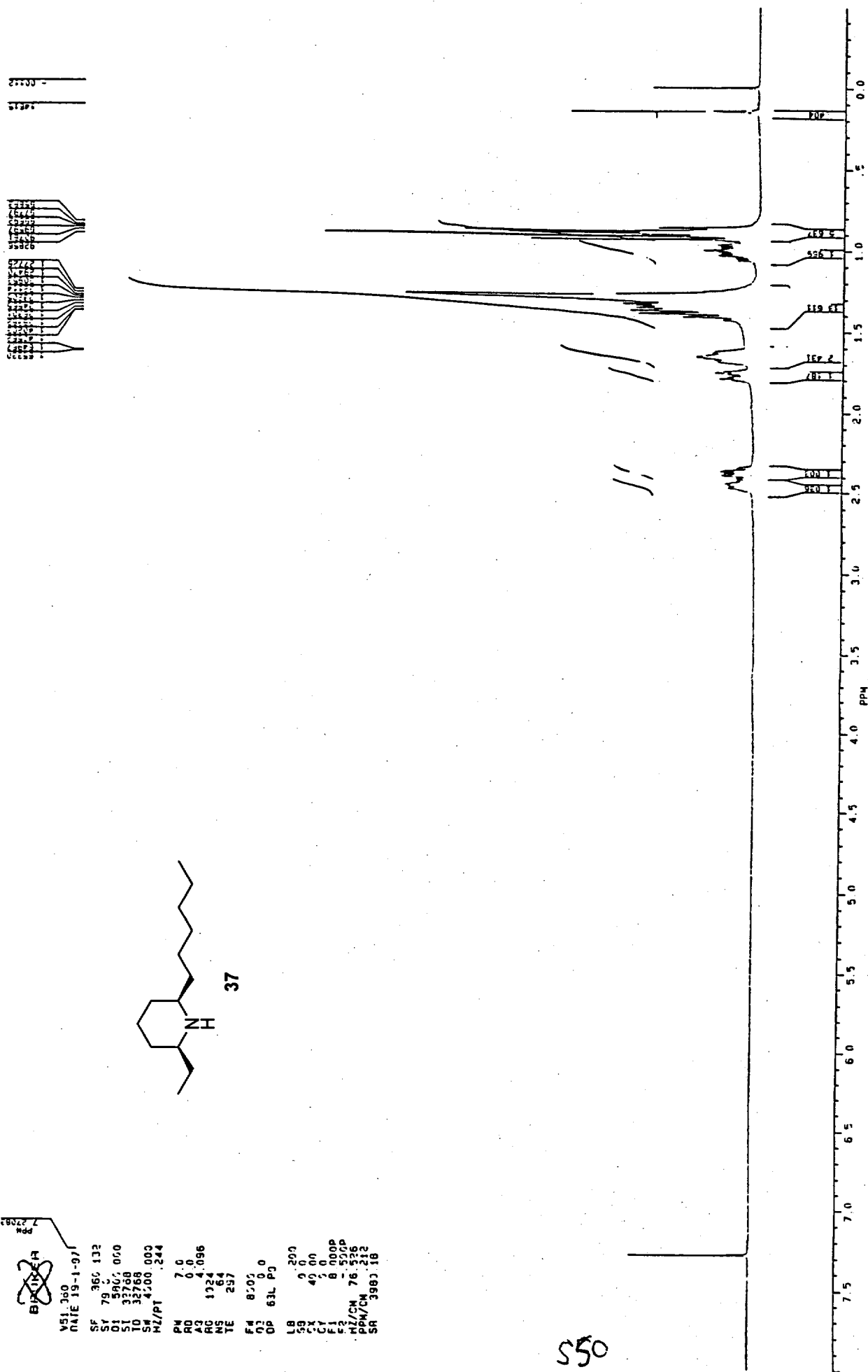


DATE 1-11-96
SF 300 170
SY 0.1
OI 4300 17.1
PI 51733
PC 32754
SM 4000 000
HZ/FT 244
FW 5.0
RG 0.0
AQ 4.035
RS 10
NS 53
TE 237
FM 5000
QZ 0.0
CP 63L P3
LR 200
GB 9.0
GX 40.0
CY 0.0
FI 8.000P
FS -433P
HZ/CM 51.776
PRM/CM 312
SC 3365 31



548





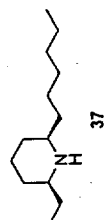

 AU PRCG:
 JMODXH, AU
 DATE 30-10-96

SF 90.556
 SY 174.0
 O1 5220.000
 SI 32768
 TD 32768
 SW 20000.000
 HZ/PT 1.221

PW 0.0
 RD 0.0
 AG 8192
 RG 608
 NS 297
 TE 297

FW 25000
 U2 7500.000
 DP 14H CPD

LB 4.000
 GB 0.0
 CX 40.00
 CY 10.00
 F1 200.006P
 F2 -996P
 HZ/CM 455.048
 PPM/CM 5.025
 BR -4235.701

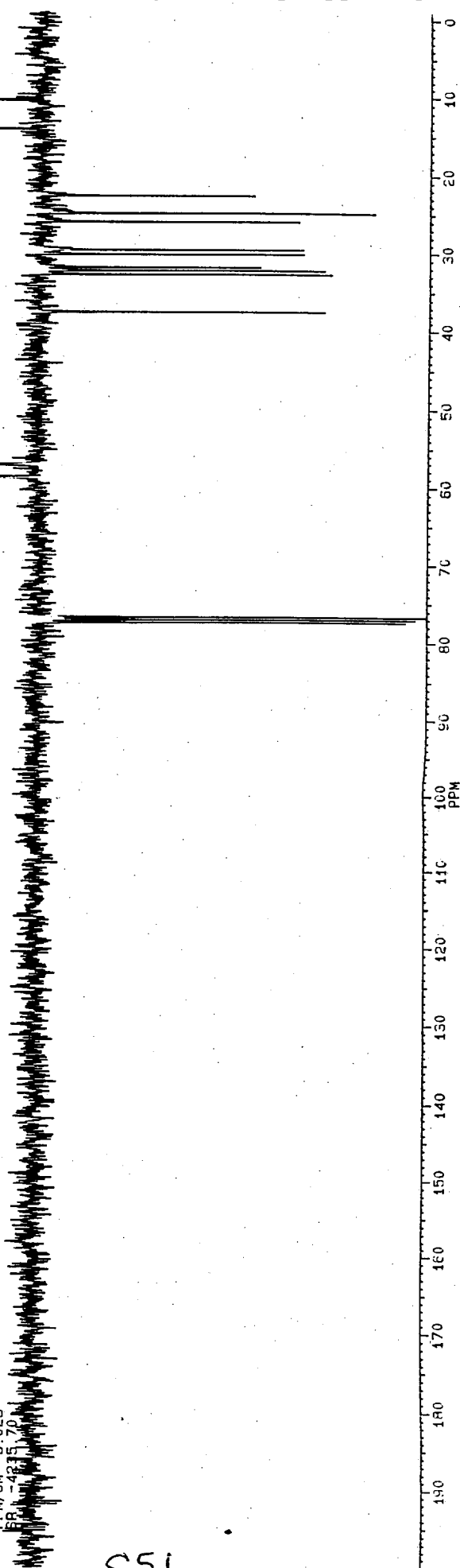


77.3454
76.5527
76.6390

58.7570
57.1610

37.4441
32.6886
32.1906
31.7916
30.1085
29.4827
25.5224
24.8070
22.5829

14.0568
10.4307



S51

STANDARD IN ORIGIN

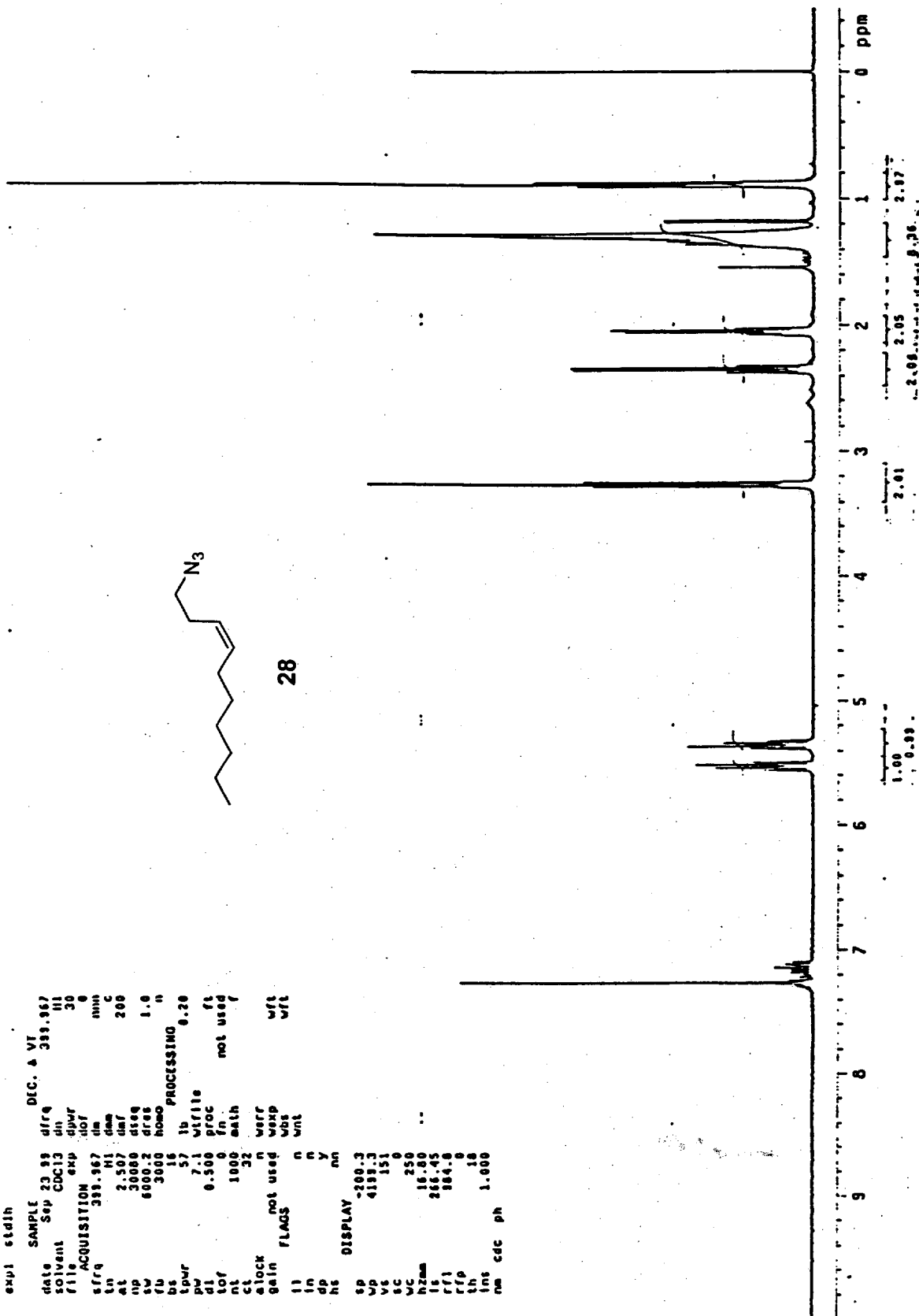
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exp1 statth
SAMPLE
date Sep 23 99 dfrq 399.967
solvent CDC13 d1 HI
file exp 30 dpr 0
ACQUISITION exp 0 dpr 0
sfrq 399.967 d1 HI
t1 2.507 daf 200
np 30000 dseq 1.0
sw 6000.2 dres 1.0
rb 3000 homo n
bs 16 PROCESSING
tpur 57 lb 0.20
pw 7.1 wfile ft
di 0.500 proc not used f
nt 1000 math
ct 32
alock n verr wft
gain not used wexp wft
flags n vnt
l1 n
in n y
dp n
hs mn
DISPLAY
sp -200.3
up 4199.3
vs 151
ec 0
wc 250
hzam 16.00
ls 266.45
rf1 884.8
rfp 0
th 18
ns cdc ph 1.000

```



28



552

361.134

PAGE 1
000-0767

4000.000

14/71 244

7:00E

225
226

162

0.1
0.1
0.1

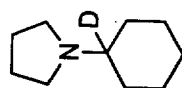
035

324

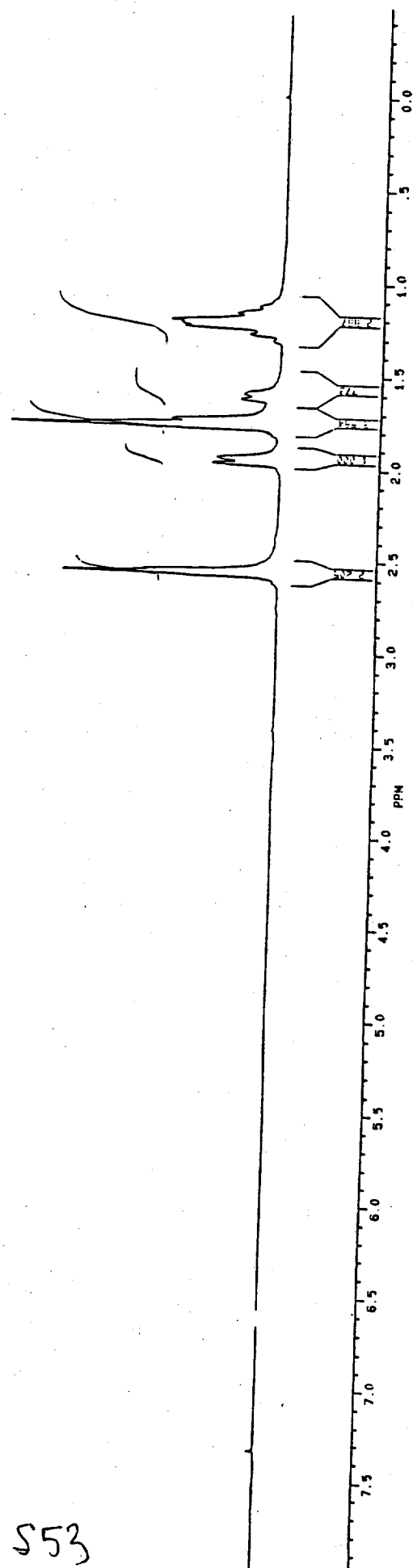
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Z/cm	75.525
PM/cm	242

3453.34



53a



553

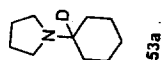
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27.10 6.2
26.00 6.2

28.95 1.8
27.12 1.8

51.3411

32.40 6.8
31.28 6.8

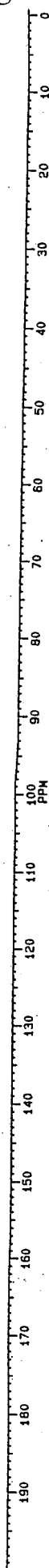
31.95 7.7
31.10 7.7
30.25 7.7



Mdd

~~EXPER~~

CX03144C
DATE 1-7-93
SF 90.556
SY 174.0
O1 5220.000
F1 32768
F2 32768
SH 50000.000
HZ/PI 1.221
PW 4.4
RD 2.000
AQ 8192
RG 371
NS 297
TE 297
FW 28000
O2 6000.000
DP 14H CPD
LB 2.000
GB 200
CX 40.00
CY 0.0
F1 200.006P
F2 -.996P
HZ/CM 455.048
PPM/CM 5.025
SR -4234.48



554

214-B-III



Mdd

CX03144C
AU PROG
JMODX:AU
DATE 30-10-96
SF 90.556
SY 174.0
O1 5220.000
S1 32768
T1 32768
SH 20000.000
HZ/PT 1.221
PW 0.0
RD 0.0
AG 819
RG 8192
NS 161
TE 257
FW 25000
O2 7500.000
DP 14H CPD
LB 3.000
GB 200
CX 40.00
CY 10.00
F1 200.006P
F2 -998P
HZ/CM 455.048
PPM/CM 5.025
SR -4230.82

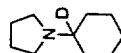
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76.950
76.950

32.0848
32.0848
32.0848

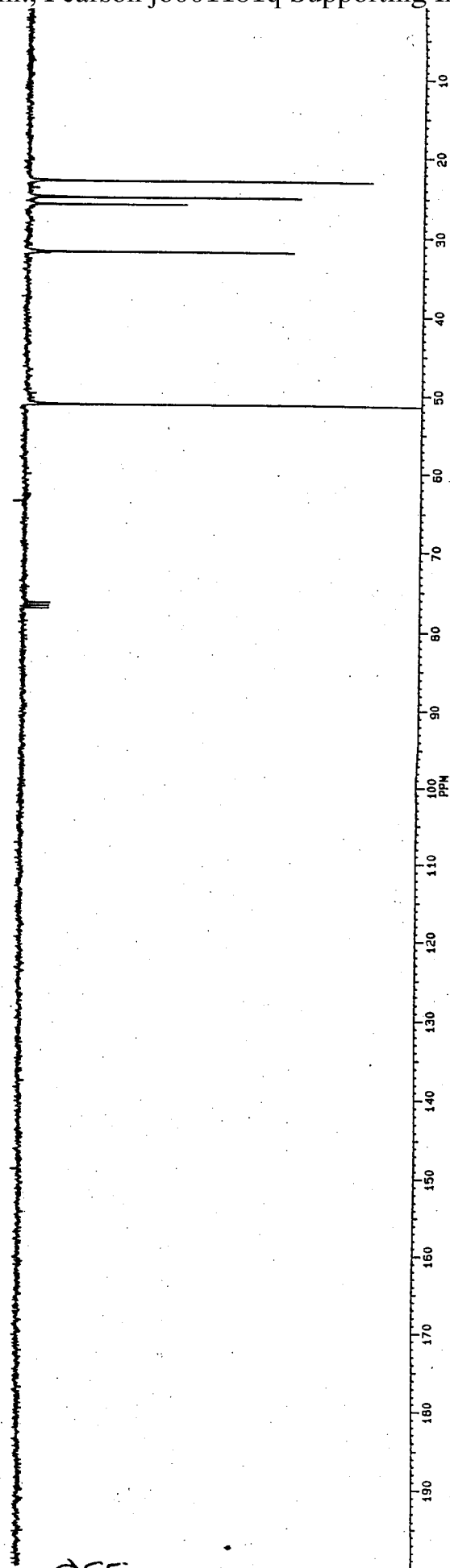
51.3187

63.6892

77.3343
77.3343
77.3343



53a



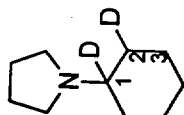
555

STANDARD 1H OBSERVE

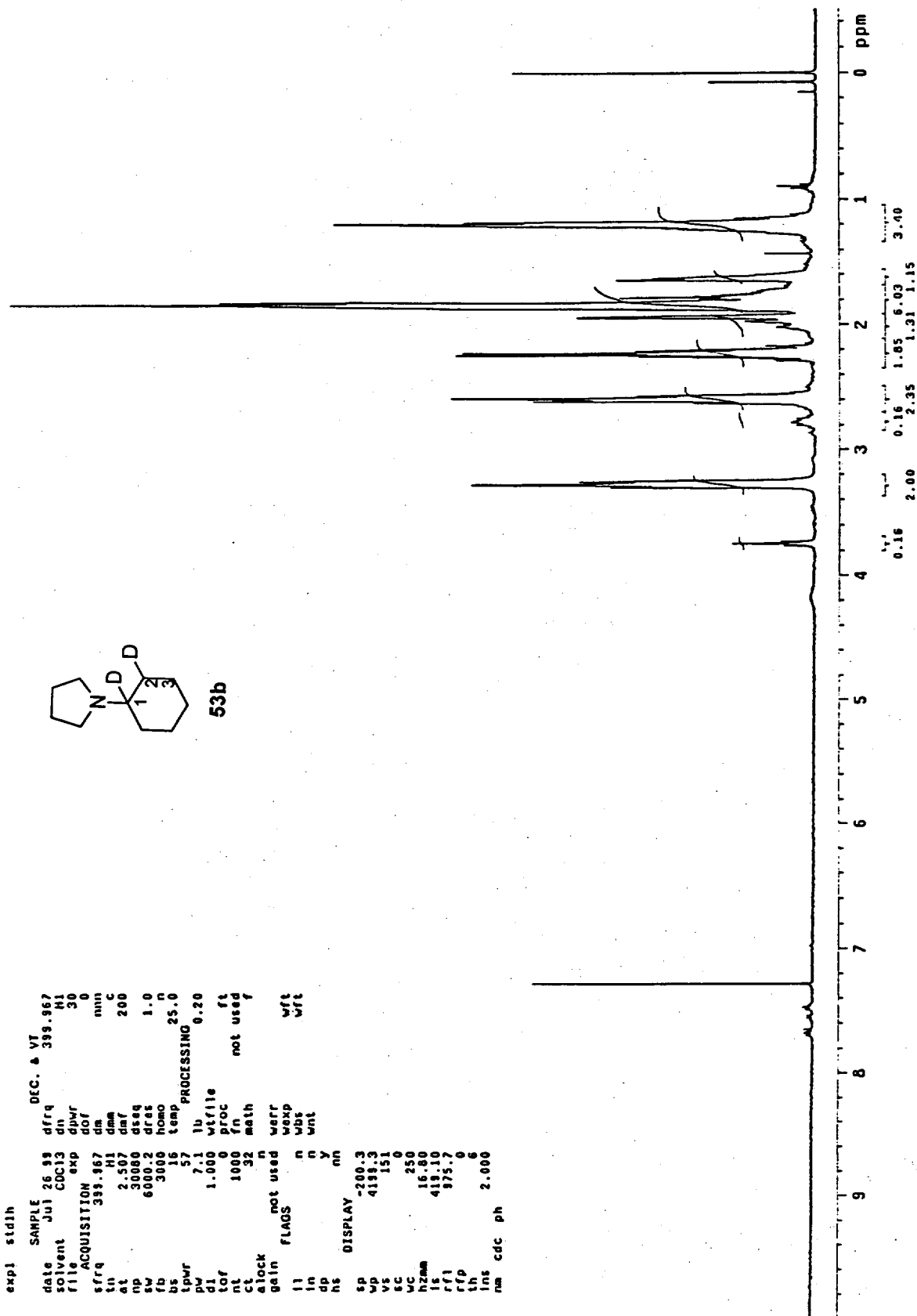
```

expl stdih
SAMPLE
date Jul 26 99 DEC. & VT
solvent CDCl3 dfrq 399.967
file ACQUISITION exp dn H1
f1 399.967 dpr 30
f2 399.967 dm 0
at 2.507 dar min C
np 30080 dseq 200
tw 6000.2 dres 1.0
fb 3000 homo 1.0
bs 15 temp 25.0 n
lpur 57 temp PROCESSING 0.20
pw 7.1 lb
di 1.000 wfile
tar 0 proc ft
nt 1000 fn not used f
ct 32 math
atlock n
gain not used werr wft
flags n wexp wft
ll n wbt
ln n wnt
dp n
hs y
DISPLAY mn
sp -200.3
wp 4198.3
vs 131
ec 250
wcam 16.00
fs 419.19
rf1 975.7
rfp 0
lns cdc ph
nm cdc ph

```



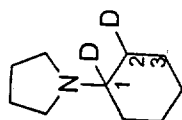
53b



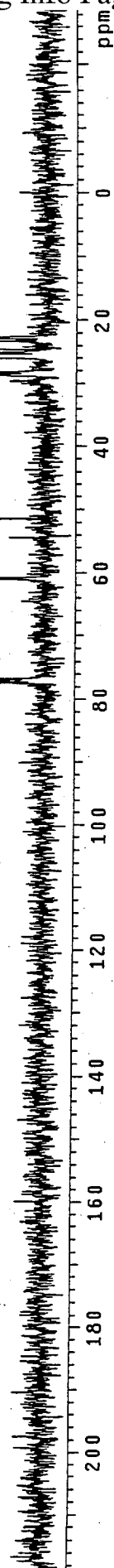
13C OBSERVE

exp2 std13c

SAMPLE DEC. & VT
 date Jul 26 99 dfrq 399.967
 solvent CDC13 dn H1
 file exp dpwr 44
 ACQUISITION dof 0
 sfrq 100.581 dm YVY
 tn C13 dmm W
 at 1.199 dmf 12400
 np 59968 dseq
 sw 25000.0 dres 1.0
 fb 14000 homo n
 bs 16 temp 25.0
 tpwr 55
 pw 8.7 lb
 di 1.000 wtfile 4.00
 tof 0 proc ft
 nt 4096 fn not used
 ct 208 math f
 alock s
 gain not used werr
 flags n wexp wft
 in n wbs wft
 dp y wnt
 hs nn
 DISPLAY
 sp -3007.1
 wp 25000.0
 vs 151
 sc 0
 wc 250
 hzmm 9.48
 is 10702.38
 rfl 10751.7
 rfp 7744.6
 th 1.000
 ins no ph
 nm 1.000



53b



S57

STANDARD 1H OBSERVE

Solvent: CDCl3
Ambient temperature
Mercury-300 "Zinc.Chem.lsa.umich.edu"

PULSE SEQUENCE

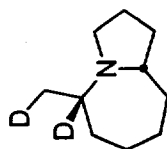
Relax. delay arrayed
1st pulse arrayed
2nd pulse 31.5 degrees
Acq. time 1.988 sec
Width 4500.5 Hz

Arrayed repetitions

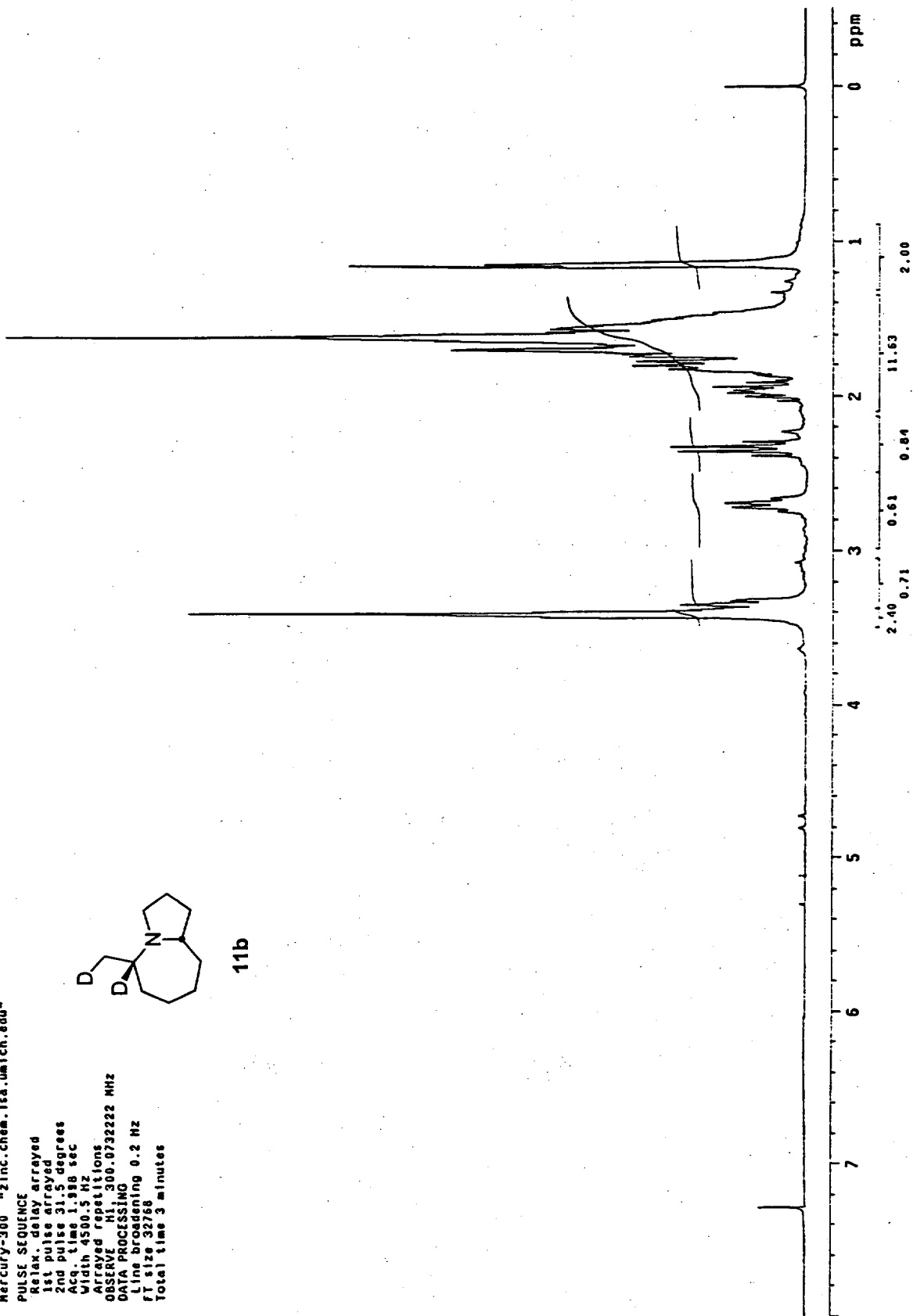
OBSERVE H1 300.073222 MHz

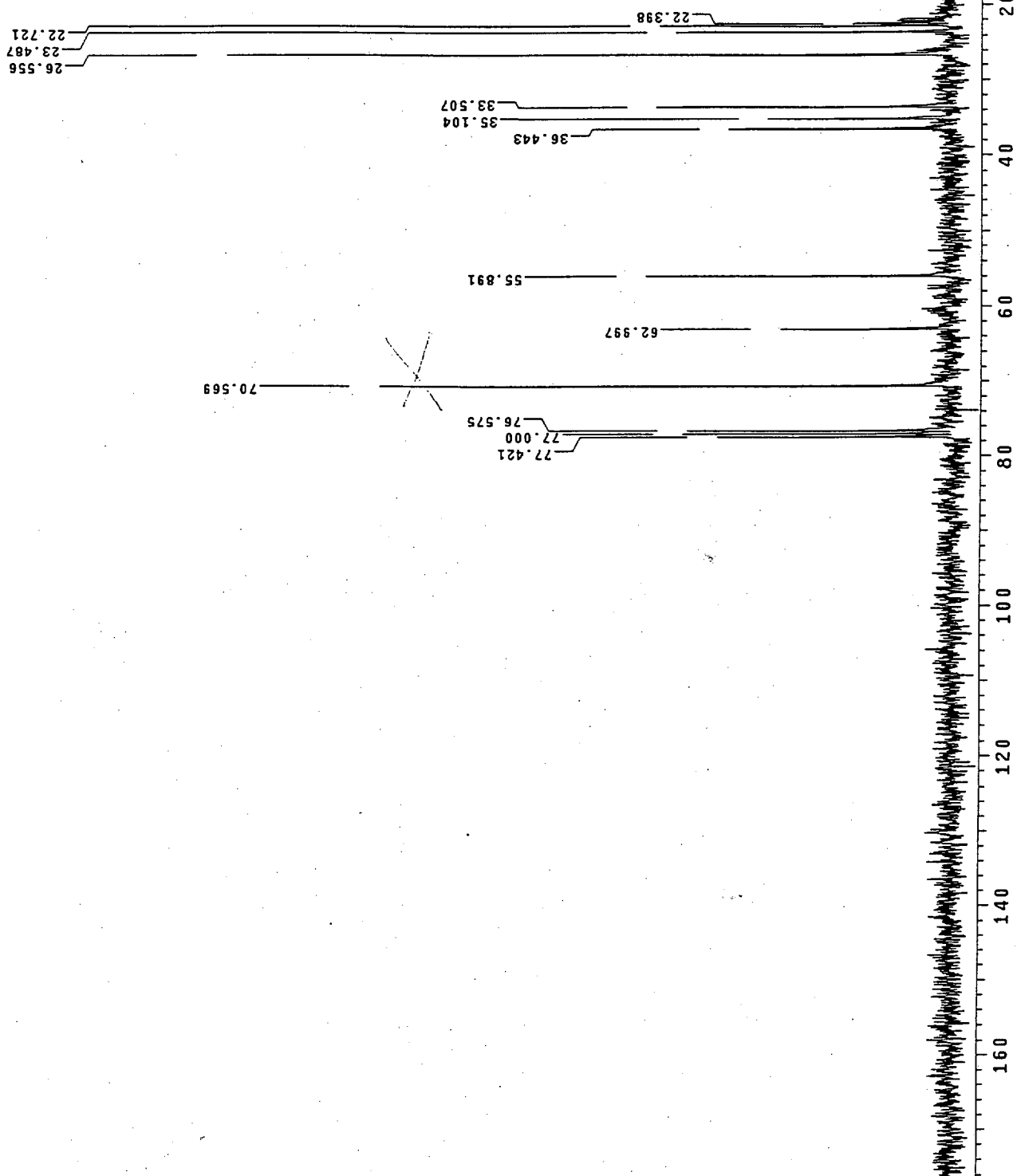
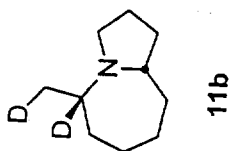
DATA PROCESSING

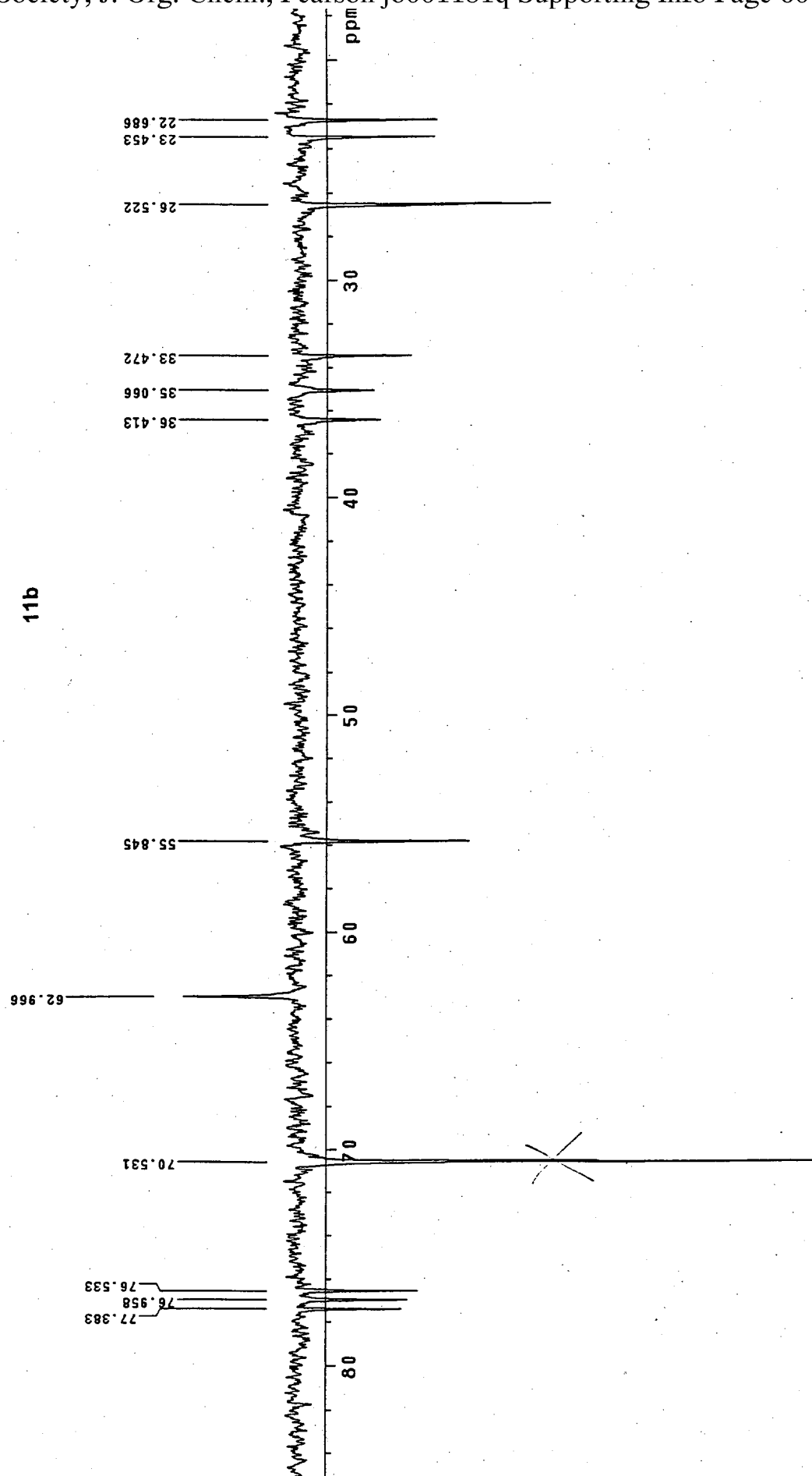
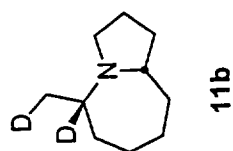
Line broadening 0.2 Hz
FT size 32768
Total time 3 minutes



11b







095