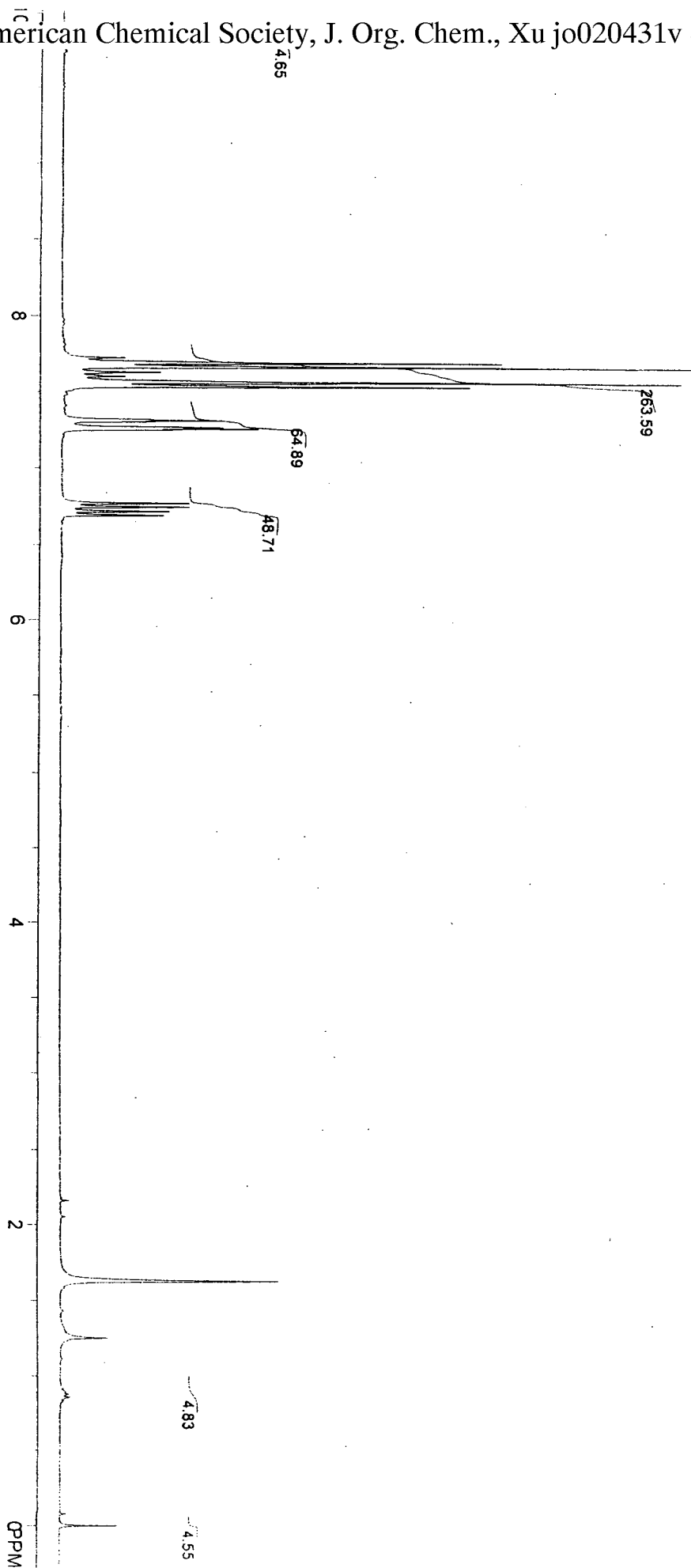
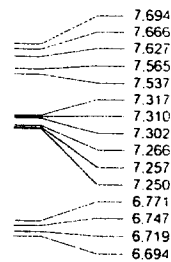


xu-04-183
6ib¹H



1.0055 F2: 75.456 SW1: 4803 PD: 1.0 sec NA: 8 LB: 0.0 PTS/d: 16384
2.2pul PW: 5.0 usec

USER: -- DATE: May 6 2002

WinNMR - \$PROTON.fid

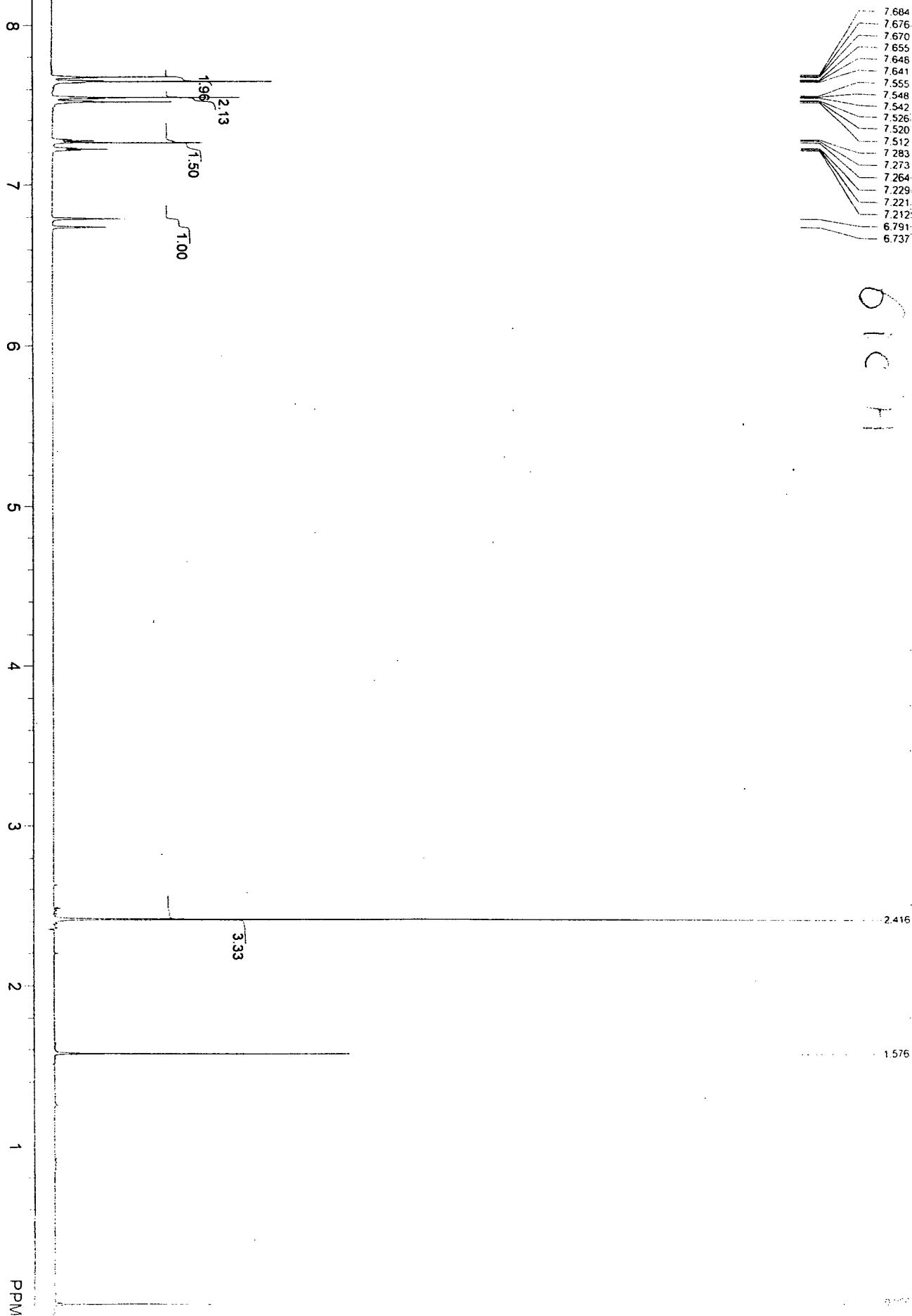
HERTZ

183
61b 9F

-9999.5
-10003.6

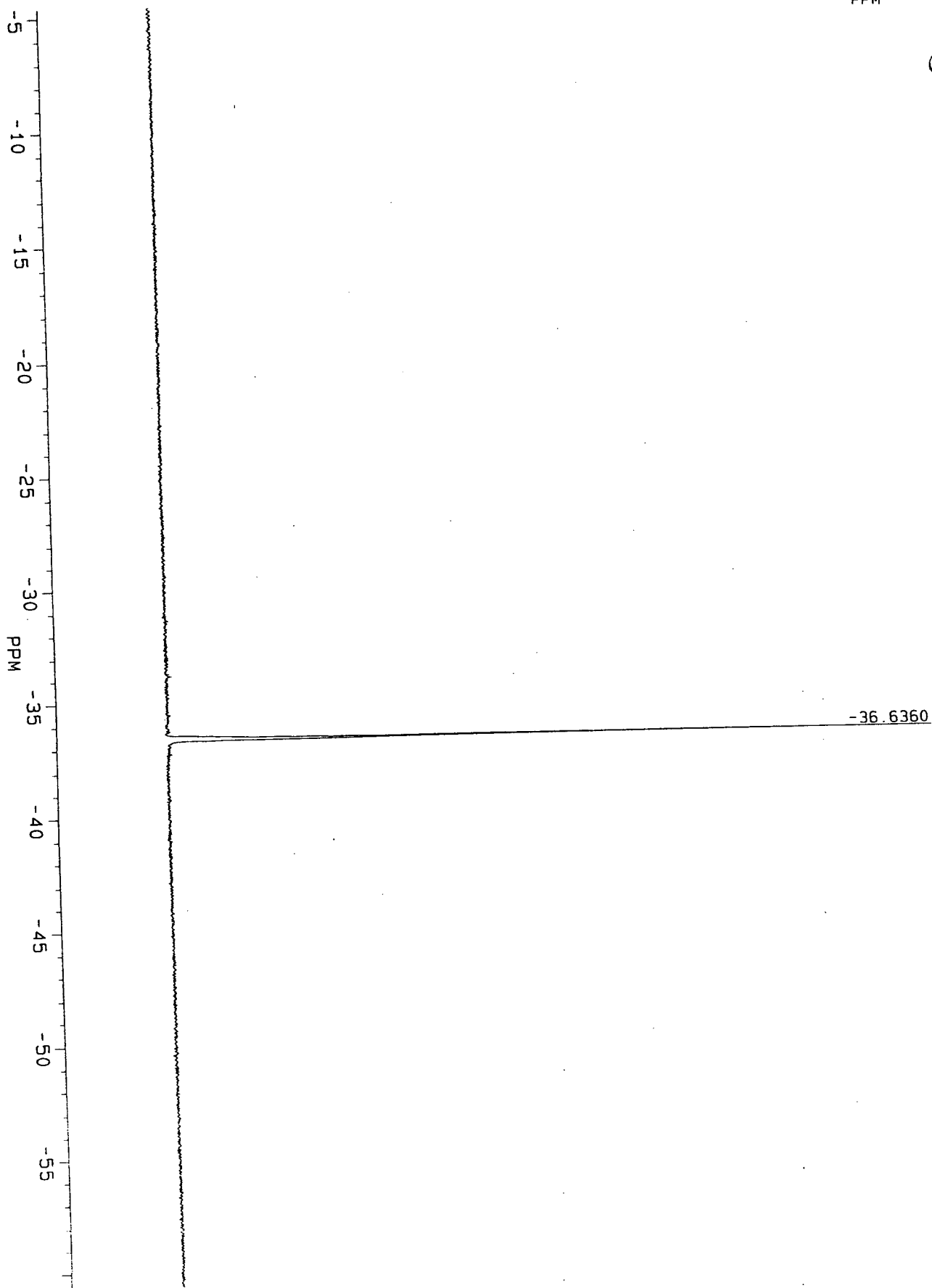
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
PPM

L: 0.055
 X: pul
 F2: 75.456
 SW1: 4803
 PW: 5.0 usec
 PD: 1.0 sec
 OF1: 1803.2
 NA: 8
 LB: 0.0
 PTS1d: 16384
 USER: -- DATE: Apr 7 2002
 WinNus: \$PROTON.fid



PPM

6ic 9F



1-04-166

6ja

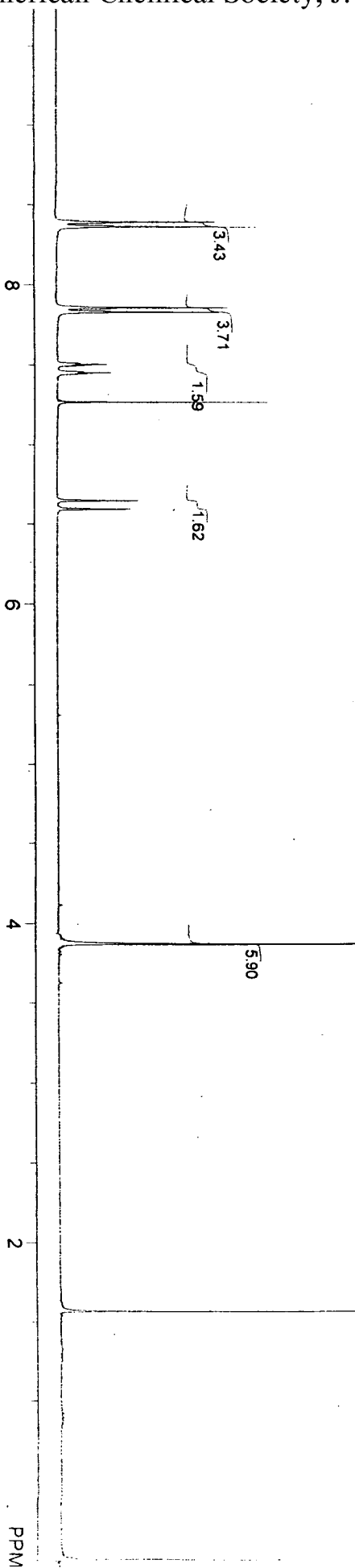
¹H

8.398
8.396
8.390
8.384
8.367
8.360
8.354
7.866
7.858
7.853
7.835
7.829
7.822
7.511
7.503
7.496
7.458
7.450
7.443
7.266
7.264
6.647
6.594

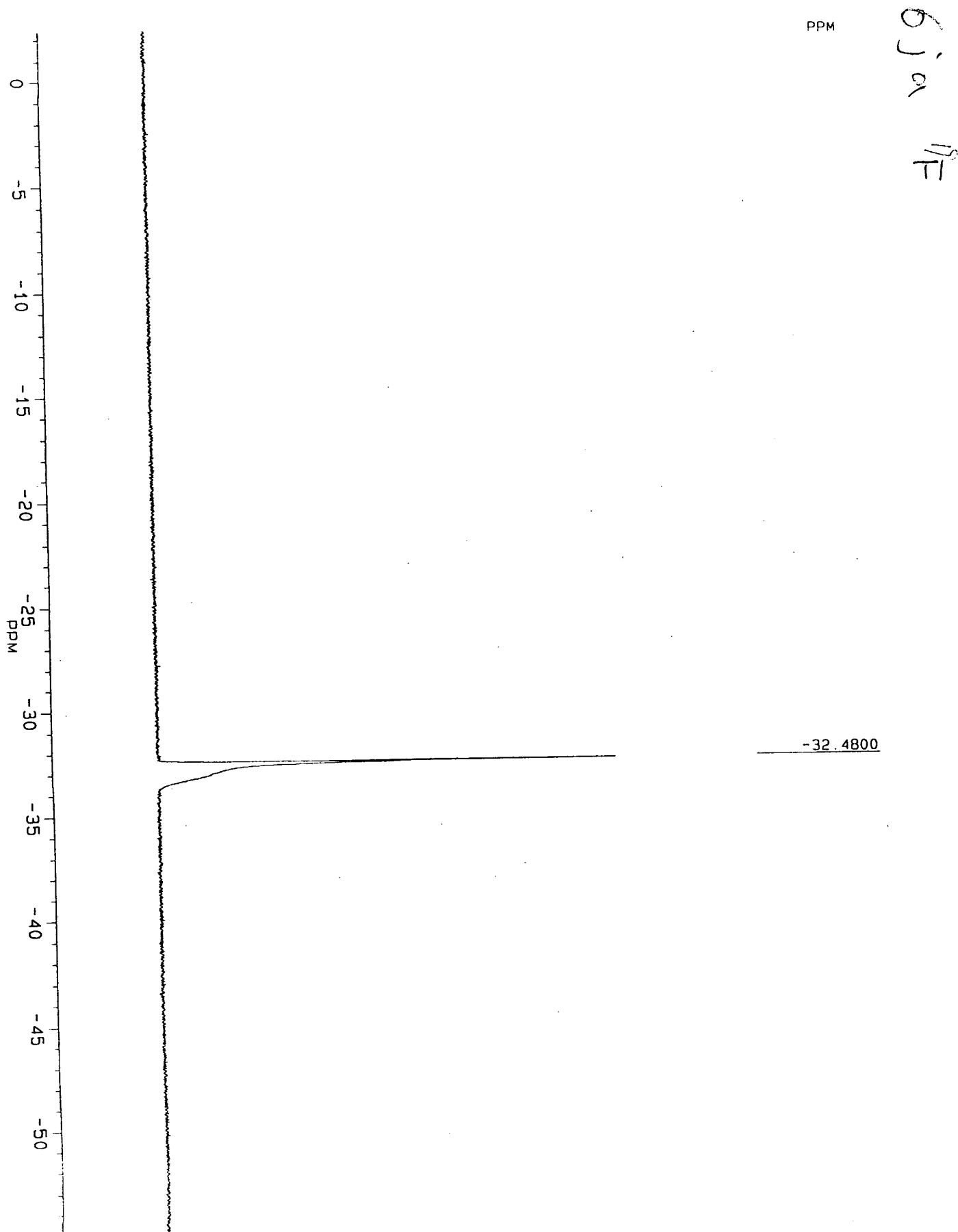
3.883
3.881
3.871
3.868
3.863
3.862

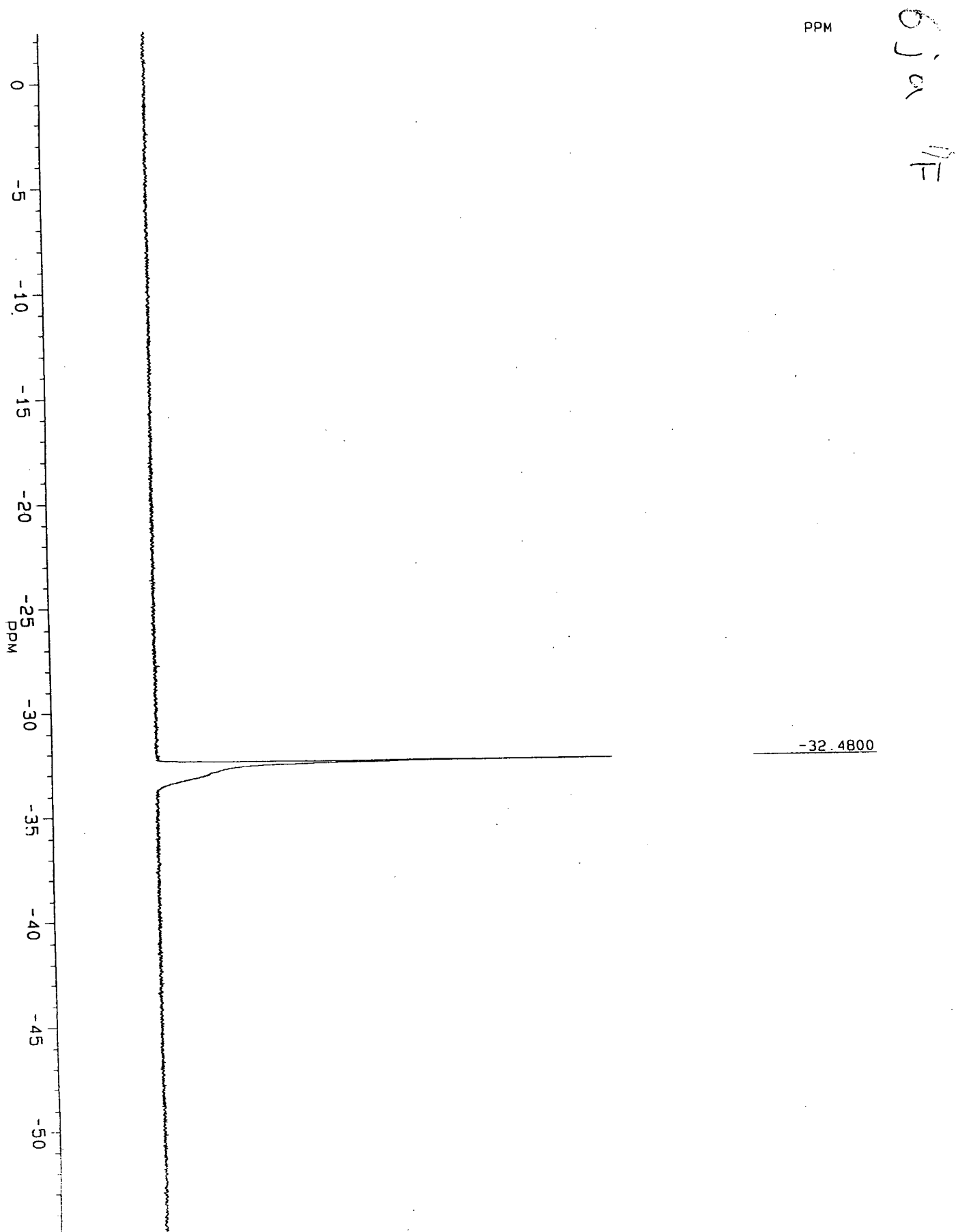
1.578
1.576
1.570

0.00
0.00
0.00



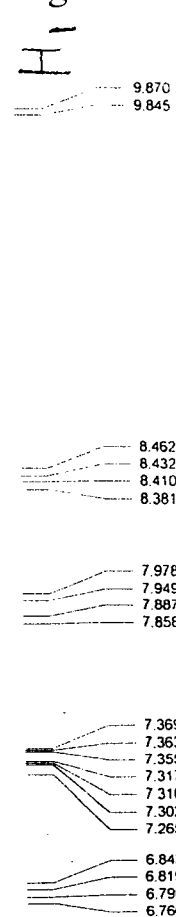
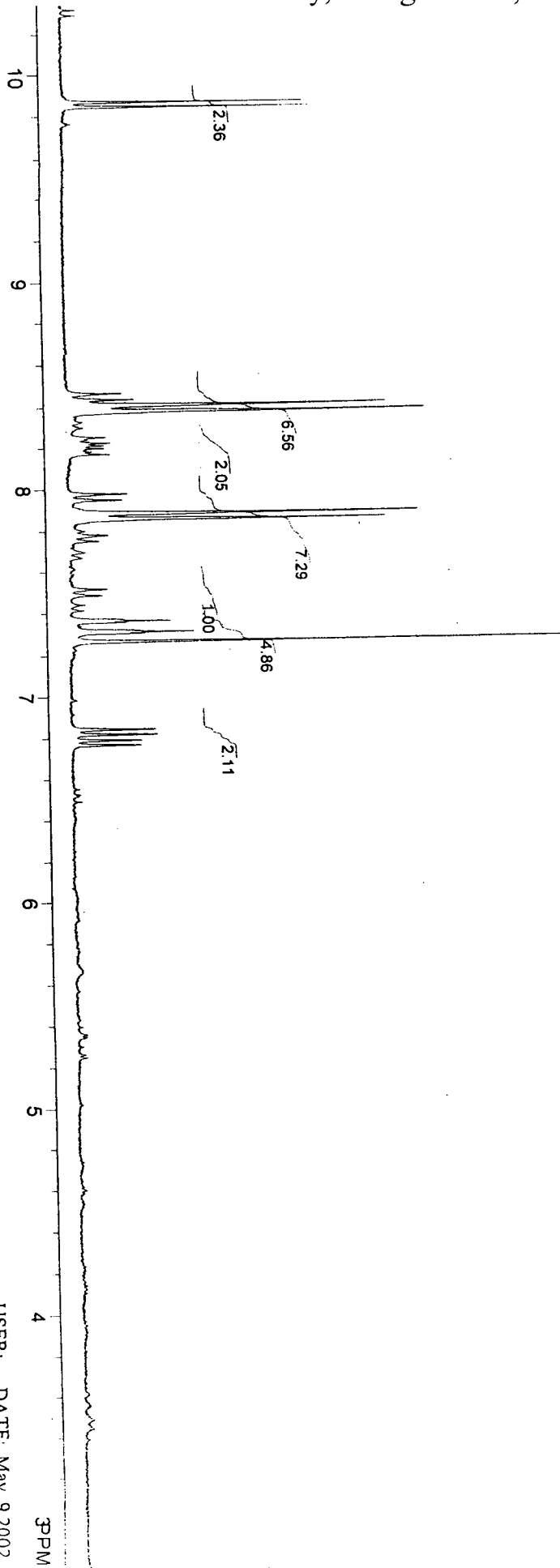
00.055 E 00.055 F2: 75.456 SW1: 4803 PW: 5.0 usec PD: 1.0 sec OF1: 1802.3 NA: 8 LB: 0.0 PTSId: 16384 USER: -- DATE: Apr 9 2002 W/inNuis - \$PROTON.fid

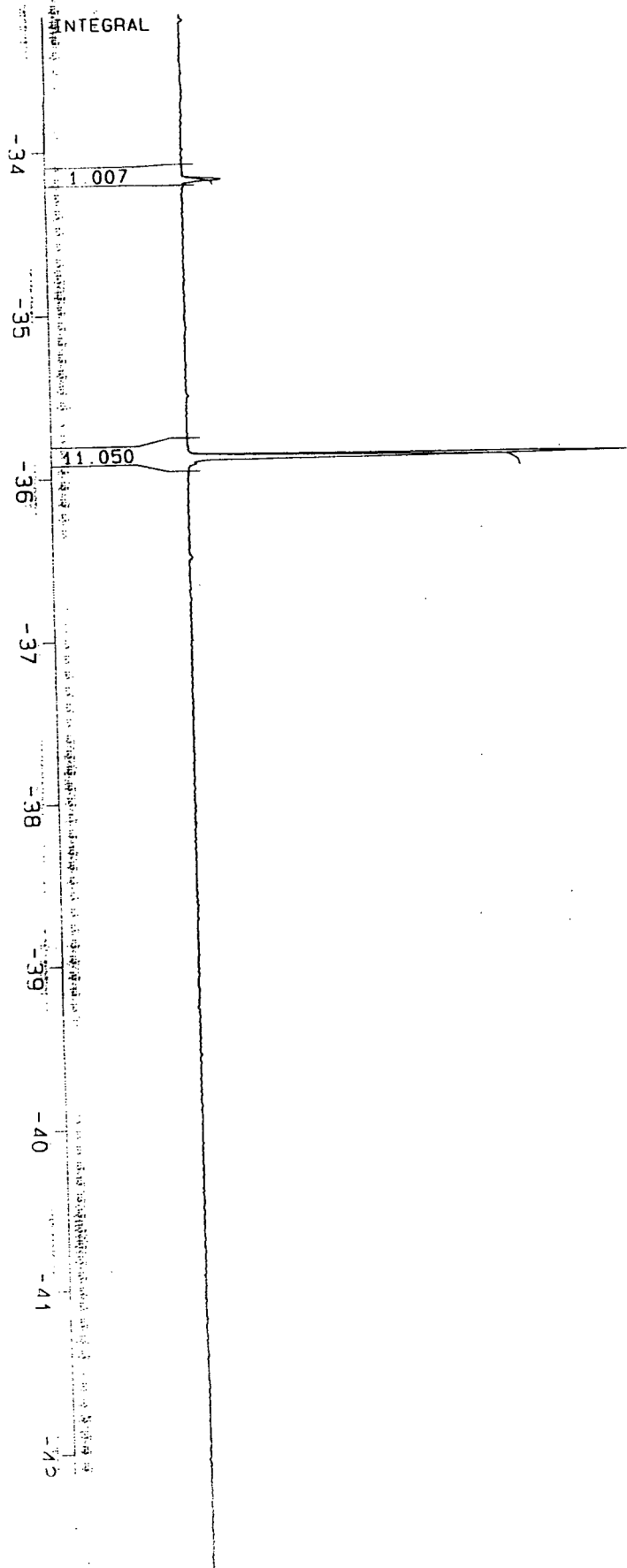




L: 0.055 F2: 75.456 SW: 1.4803 PD: 1.0 sec OF1: 1801.7 NA: 8 LB: 0.0 PTS1d: 16384
 X: pu PW: 5.0 usec WinNuts - SPROTON.fid

USER: -- DATE: May 9 2002





HERTZ

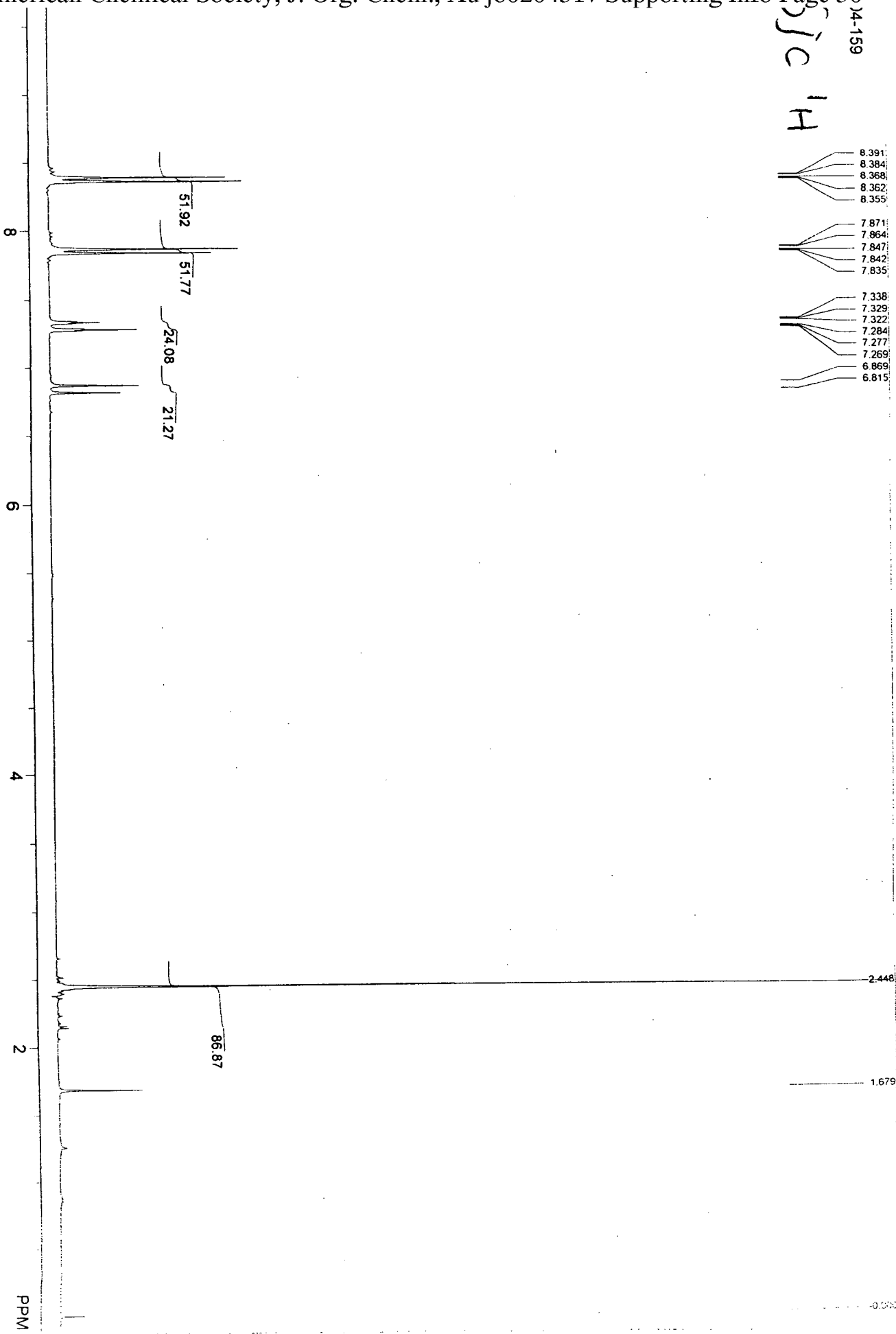
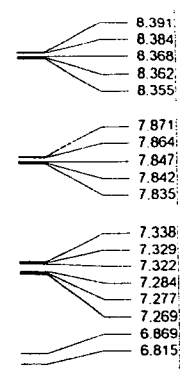
-9653.1

-10131.6

6jb PF

5jc
H

14-159



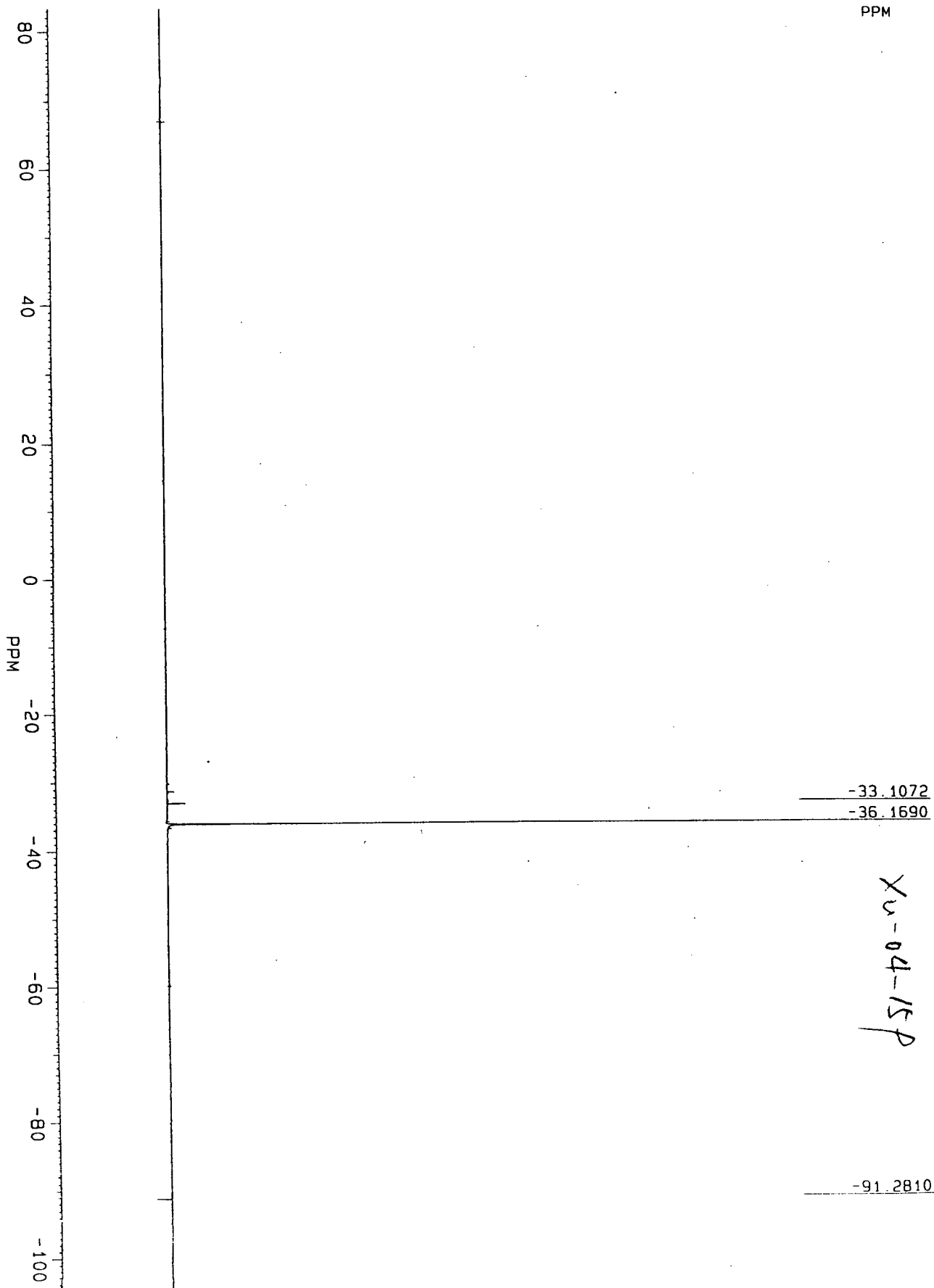
0.055 F2: 75.456 SW1: 4803 PW: 5.0 usec PD: 1.0 sec OF1: 1807.6 NA: 8 LB: 0.0 PTSID: 16384

USER: -- DATE: Apr 5 2002

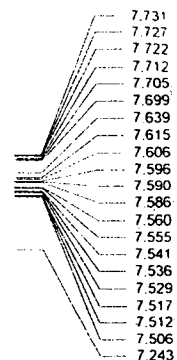
WinNMR - SPROTON.fid

PPM

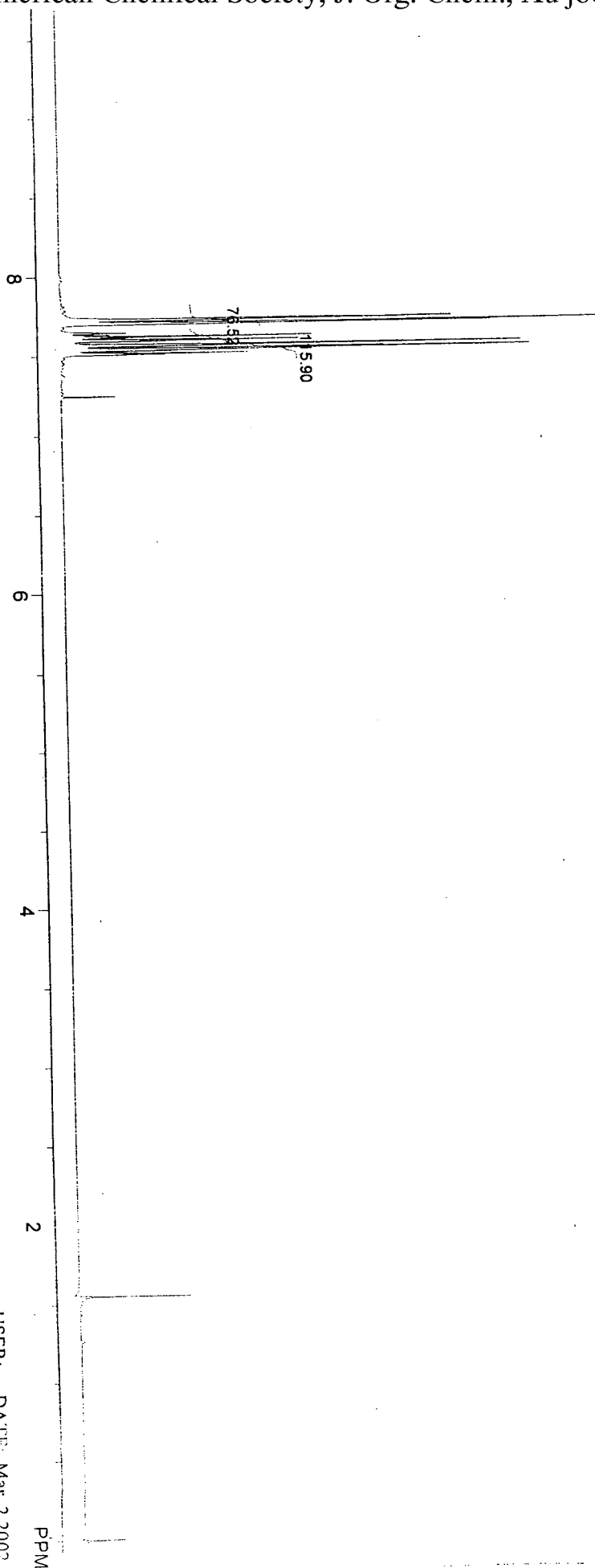
bjc
8F



04-30

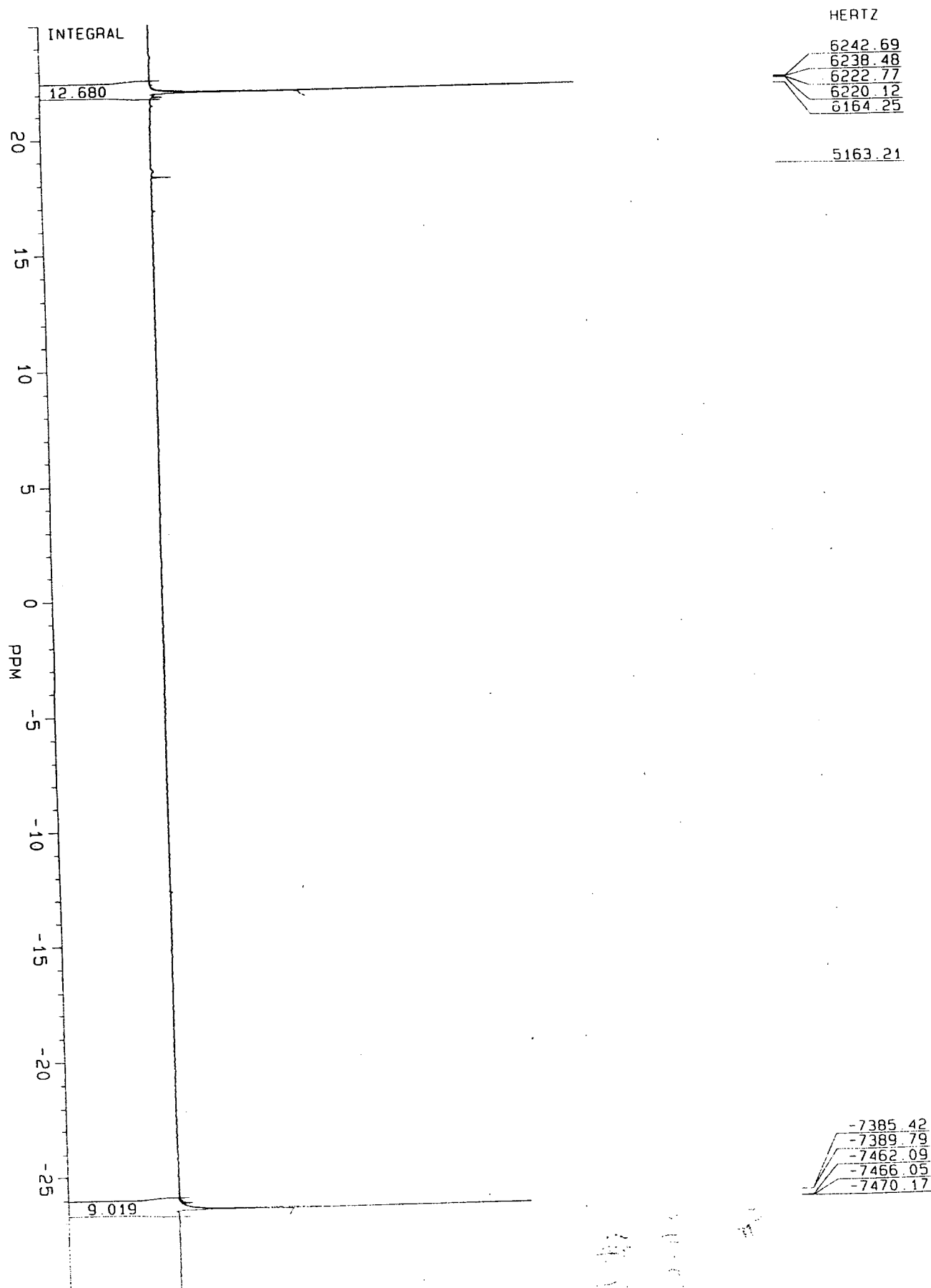


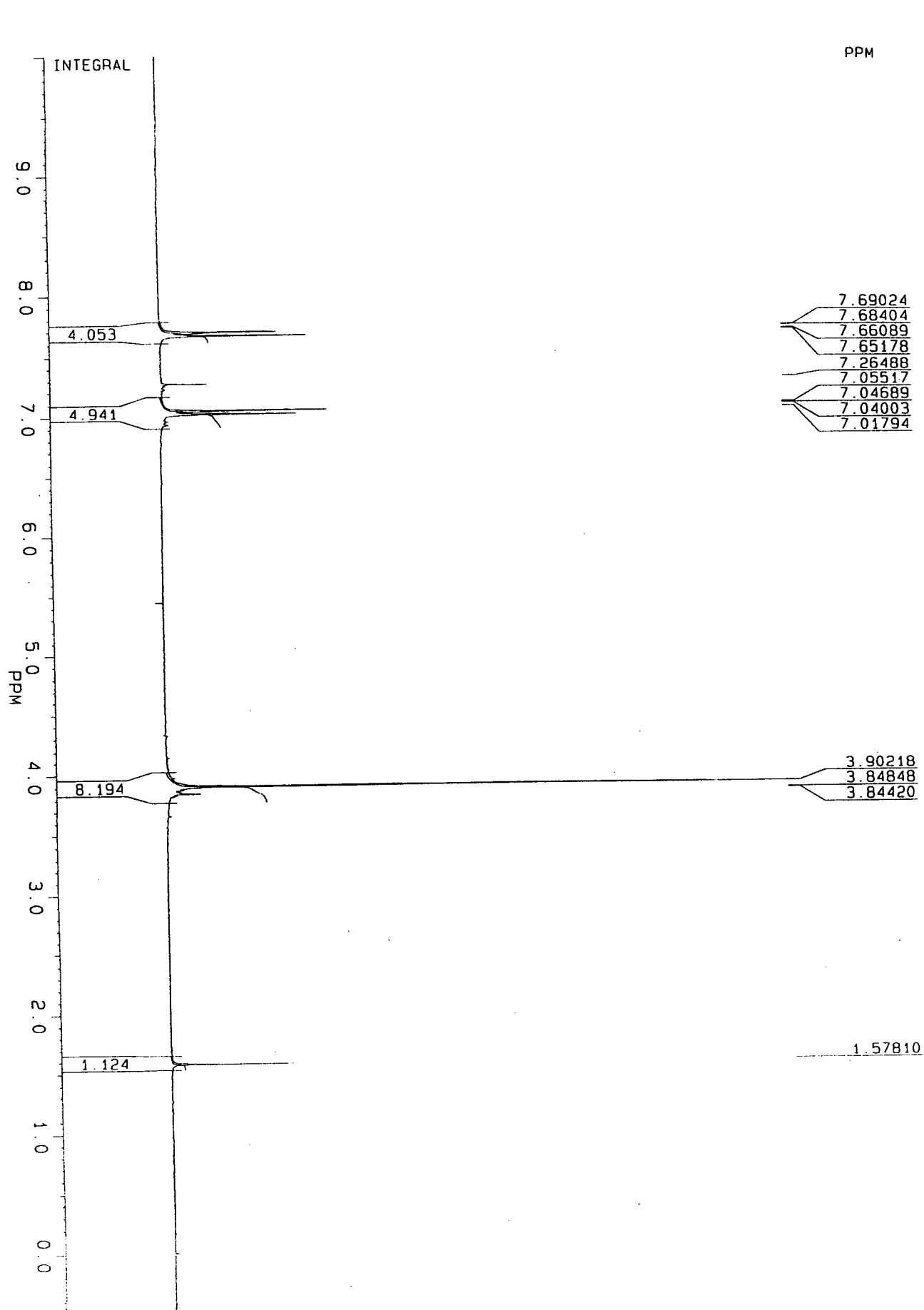
1,557

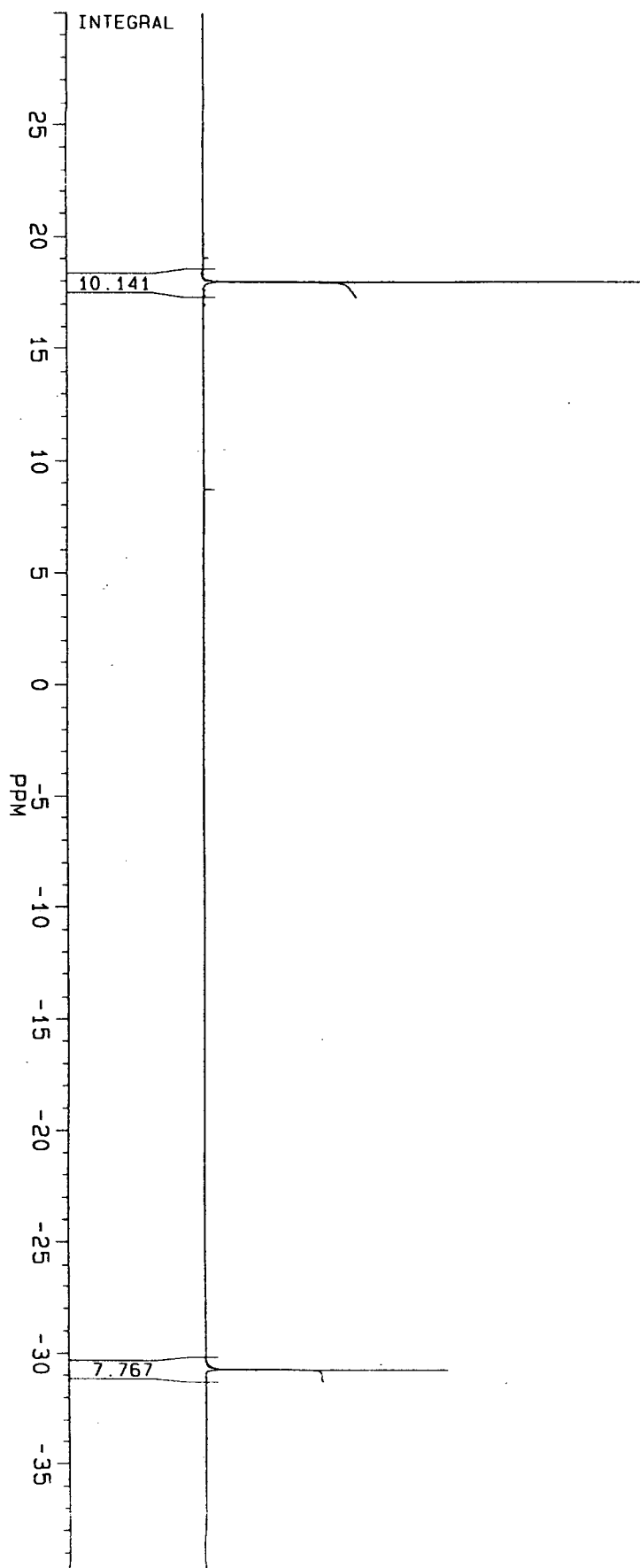


USER: --DATE: Mar 2 2002

2002	E2: 00.055	E3: 75.456	SW1: 4803	OF: 1.96	LB: 0.0	WinNuts - \$PROTON.fid
E2spul			PW: 6.6 usec	PD: 1.0 sec	NA: 8	





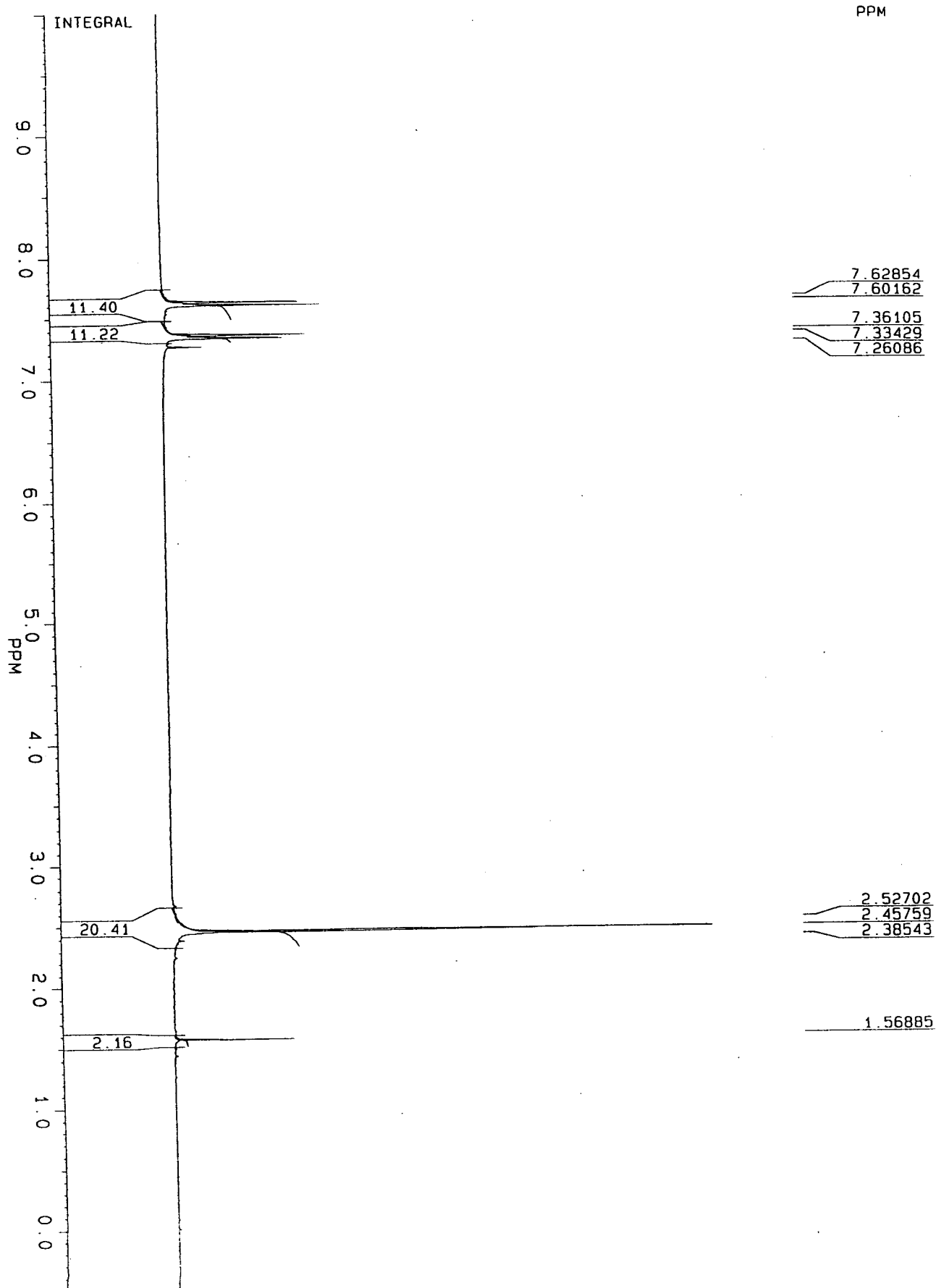


HERTZ

76.9F

5078.91
5074.62
5070.35

-8675.85
-8680.11
-8684.39
-8688.56

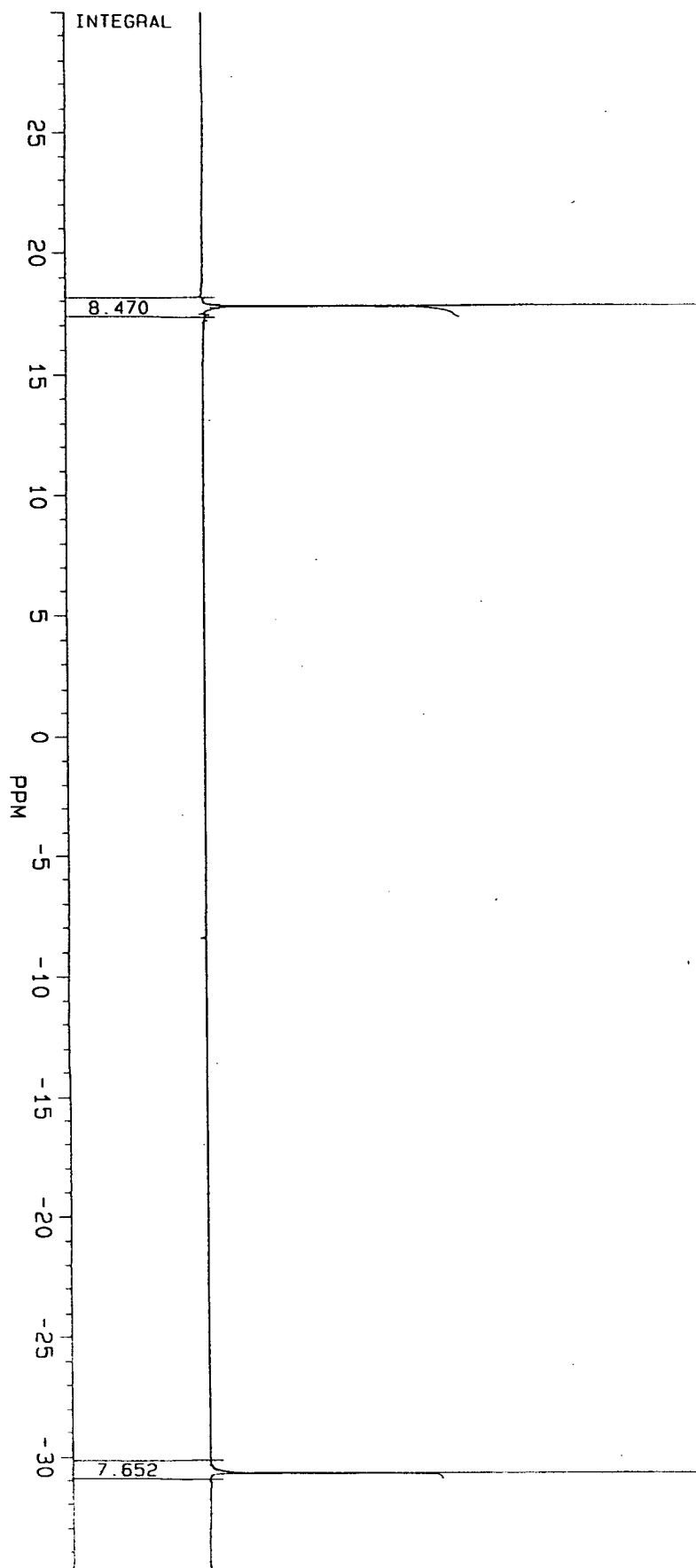


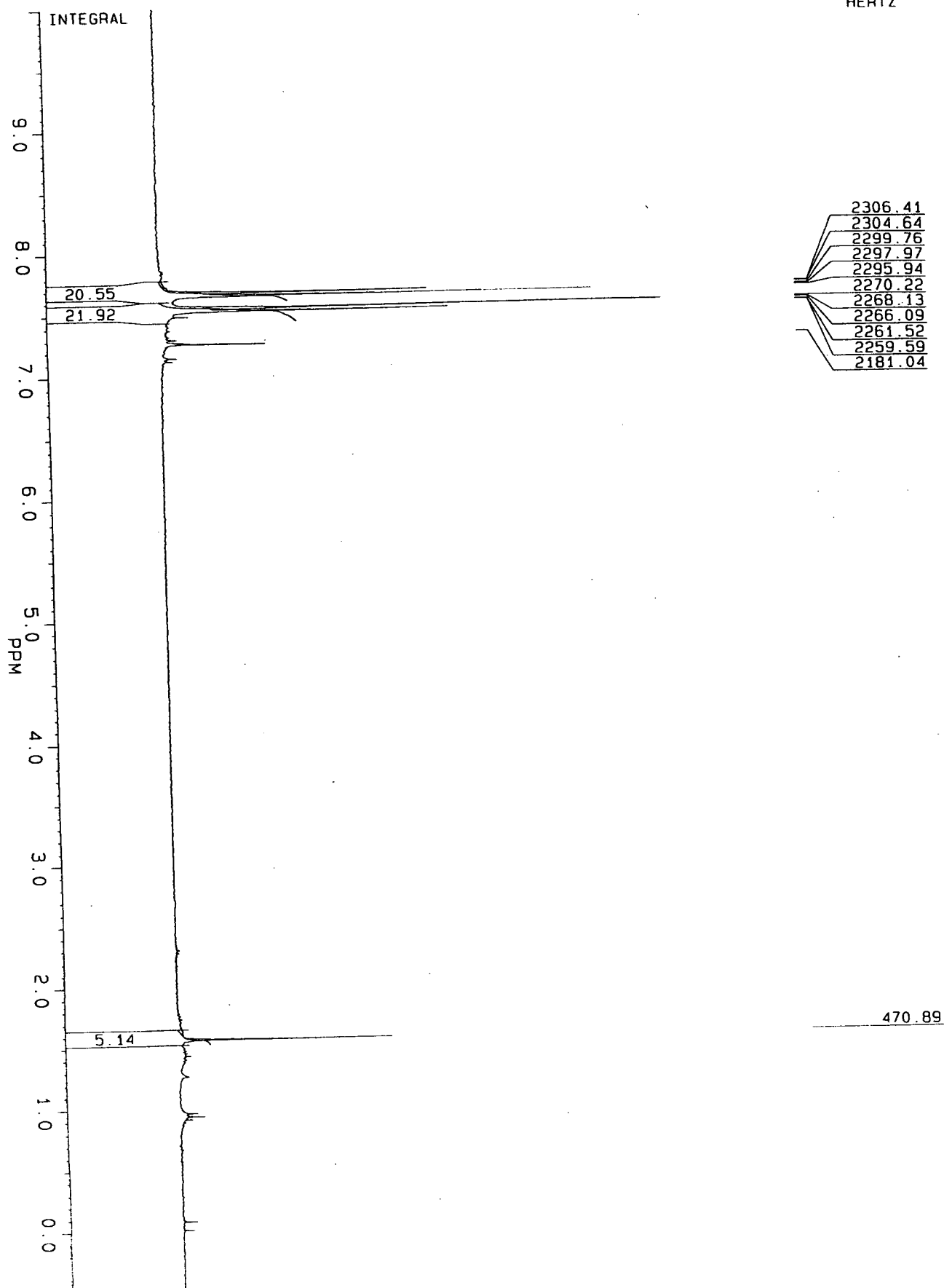
HERTZ

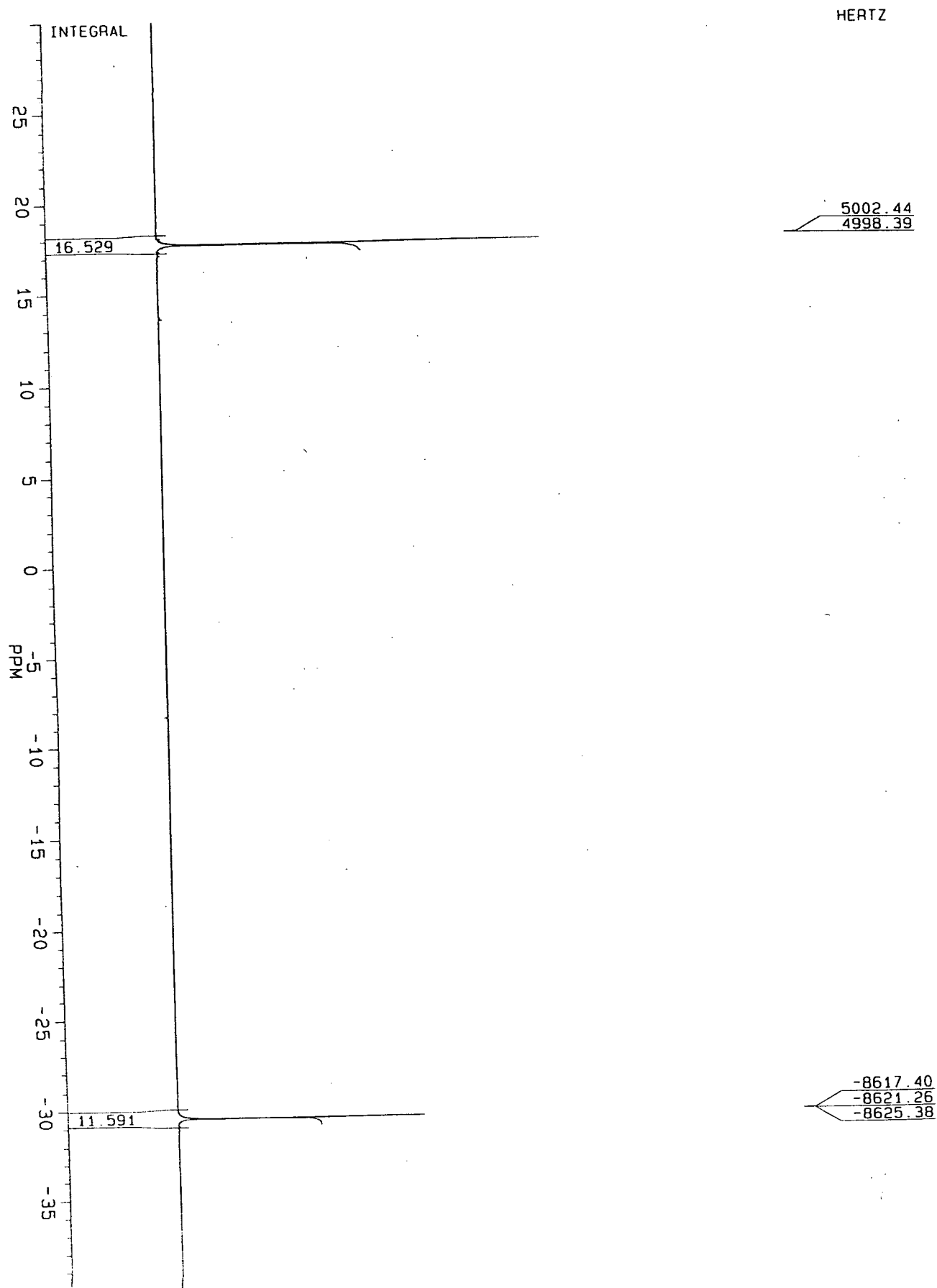
70 19F

5024.08
5020.16

-8671.34
-8675.68



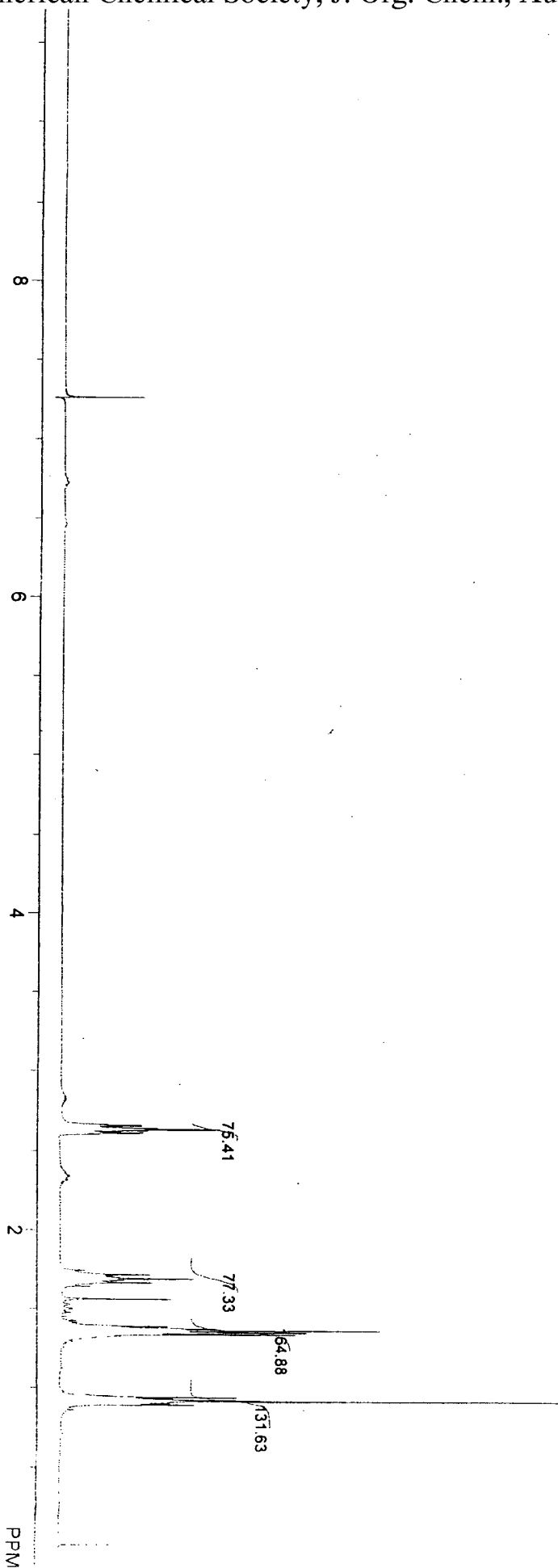
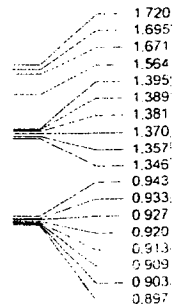
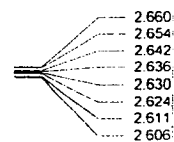




XU-04-36

7e 4-1

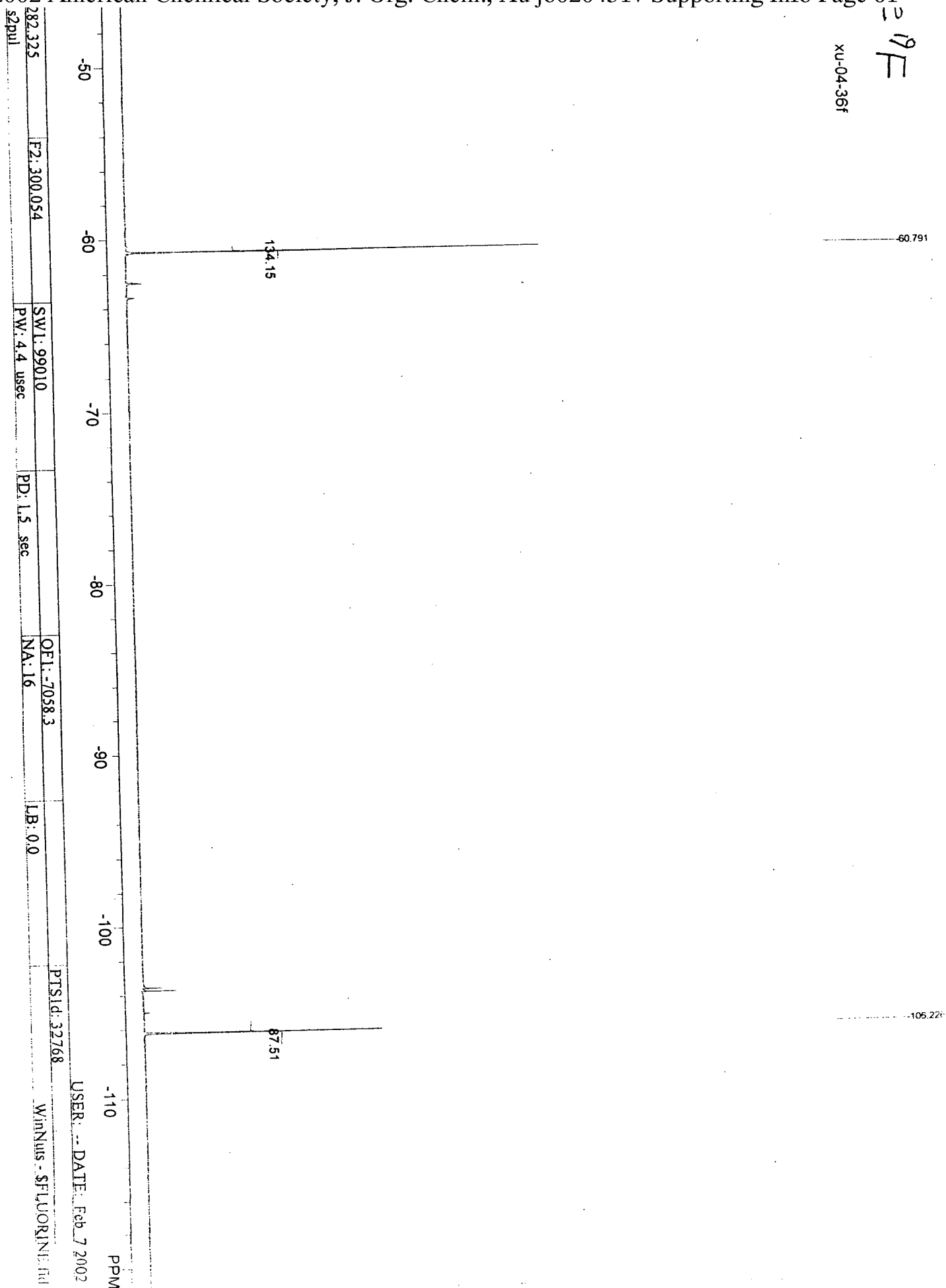
7.263



00.055 F2: 75.456 SW1: 4803 PW: 6.6 usec PD: 1.0 sec NA: 8 OF1: 1802.0 LB: 0.0 PTS1d: 16384 USER: -- DATE: Mar 12 2002 WintNMRs - SPROTON.fid

XU-04-36f

9F



7f
H₁

xu-01-102

7.264
7.262

2.656
2.652
2.632
2.607

1.710
1.696
1.662
1.638
1.575

1.269

0.902
0.882
0.853

8

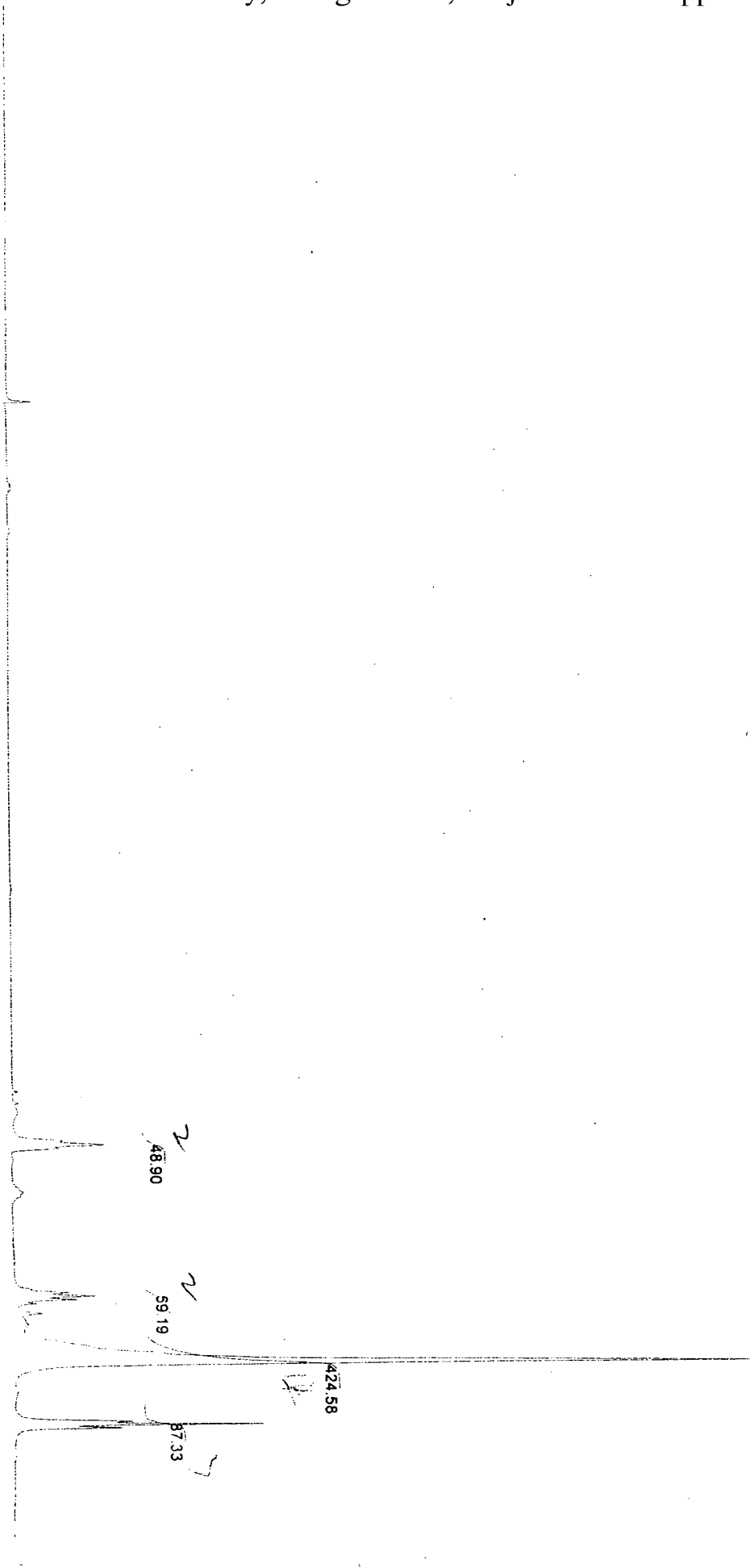
6

4

2

PPM

00.055 F2: 75.456 SW1: 4803 PW: 4.2 usec PD: 1.0 sec OFl: 1800.3 NA: 8 LB: 0.0 PTS1d: 16384
2pul
USER: -- DATE: Jan 25 2002
WinNus - \$PROTON.fid

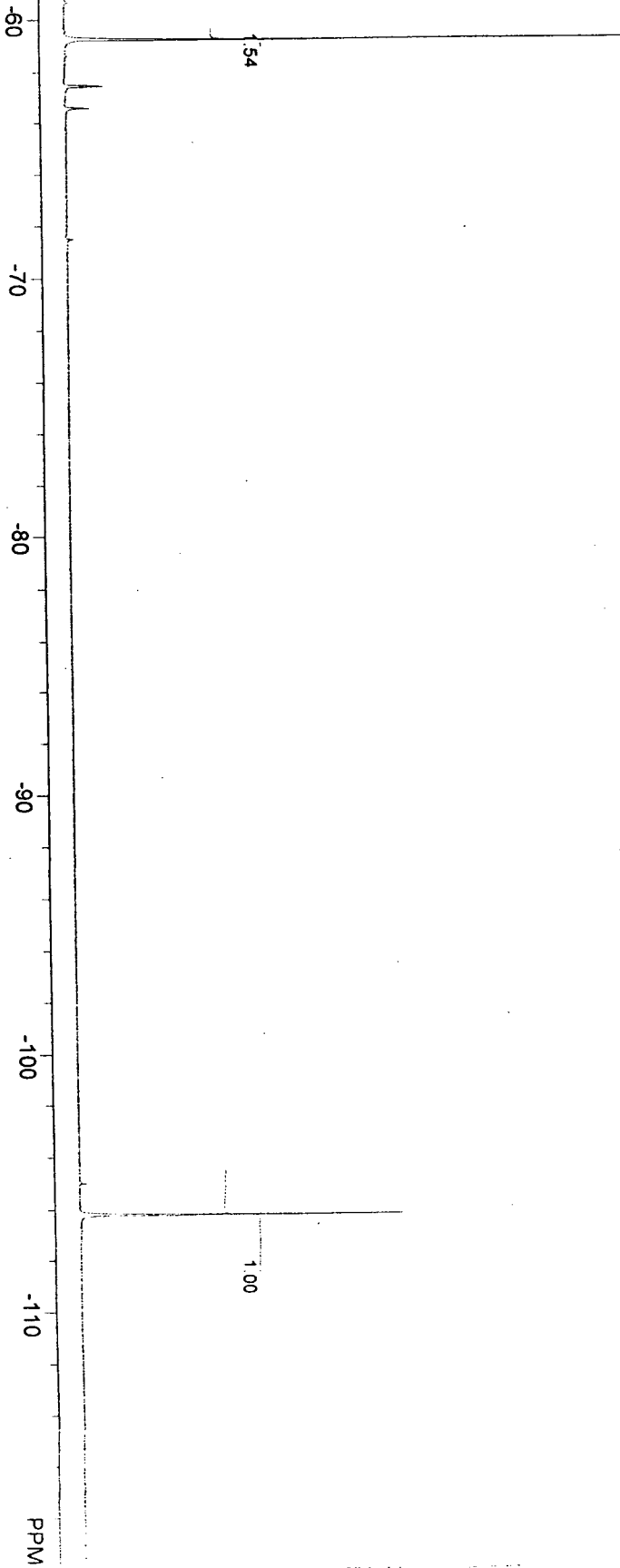


7f12E

01-102

-60.803

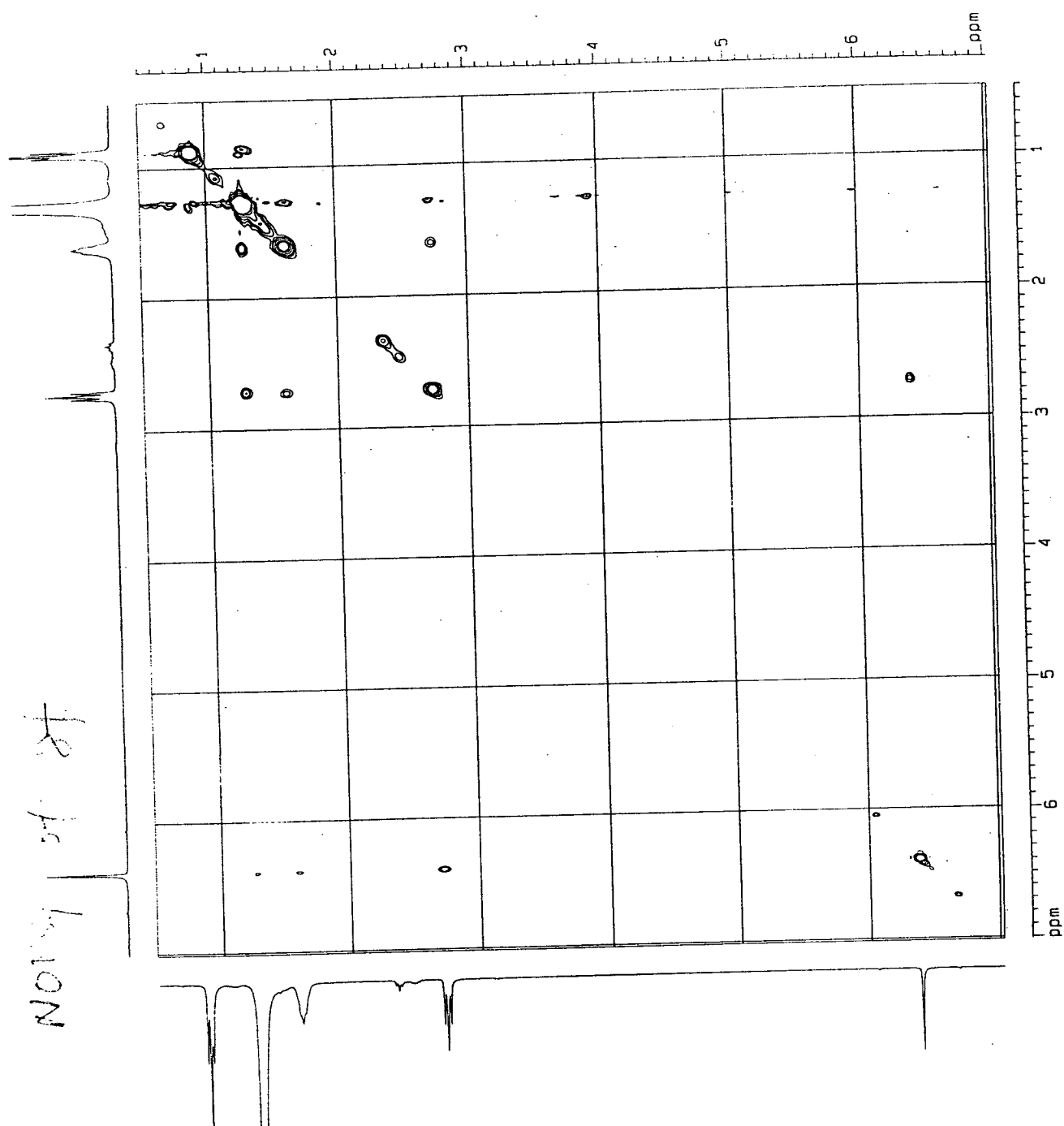
-106.228



82.325 F2: 300.054 SW1: 99010 PW: 4.4. usec PD: 1.5 sec OF1: -7058.3 NA: 16 LB: 0.0 PTS1.d: 32768

USER: -- DATE: Jan 20 2002

Winnu15 - \$FLUORINE.fid

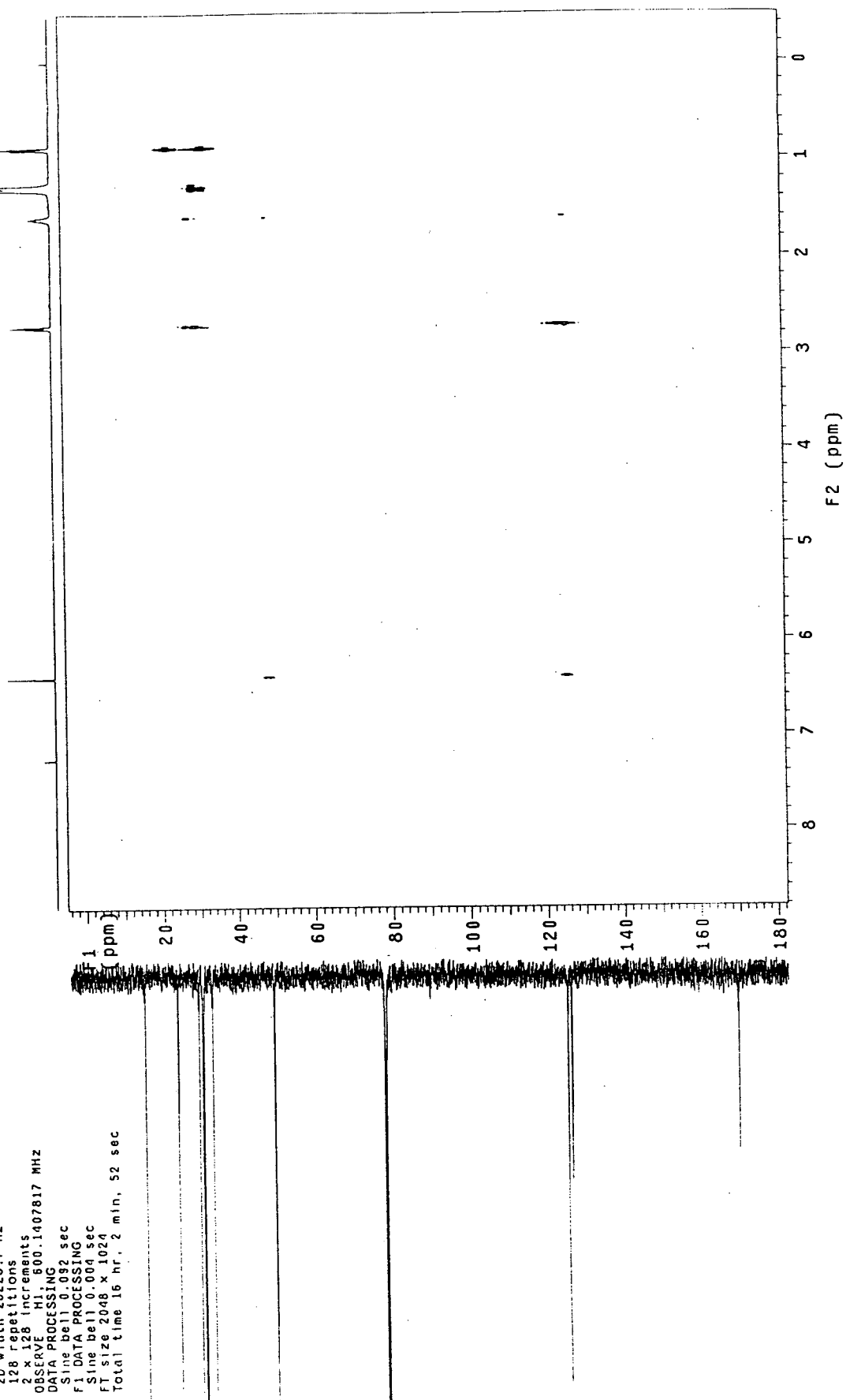


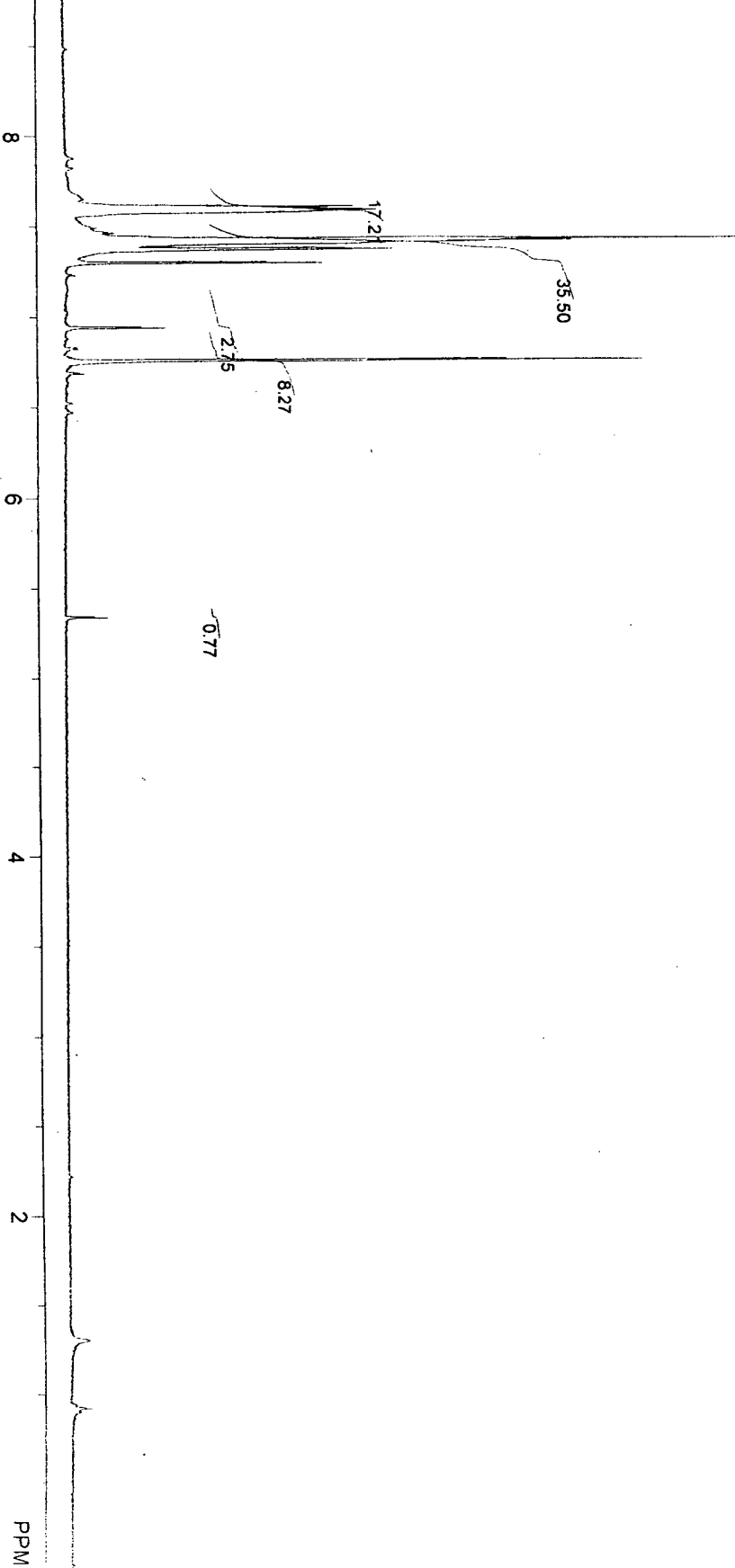
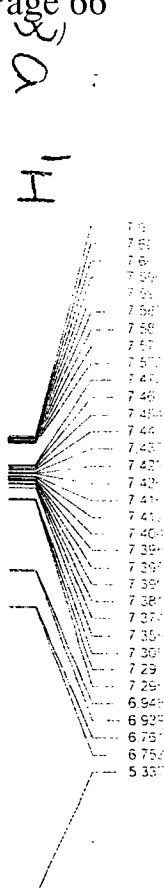
HARD PROTON PARAMETERS

Pulse Sequence: HMBc

Solvent: CDCl₃
Temp: 30.0 C / 303.1 K
User: 1-14-87
File: xu-03-125-hmbc
INOVA-600 "unity"Relax. delay 1.500 sec
Acq. time 0.183 sec
Width 5350.1 Hz
2D Width 28228.7 Hz
128 repetitions
2 x 128 increments
OBSERVE H1, 600.1407817 MHz
DATA PROCESSING
Sine bell 0.092 sec
F1 DATA PROCESSING
Sine bell 0.004 sec
FT size 2048 x 1024
Total time 16 hr, 2 min, 52 sec

HMBc-8f





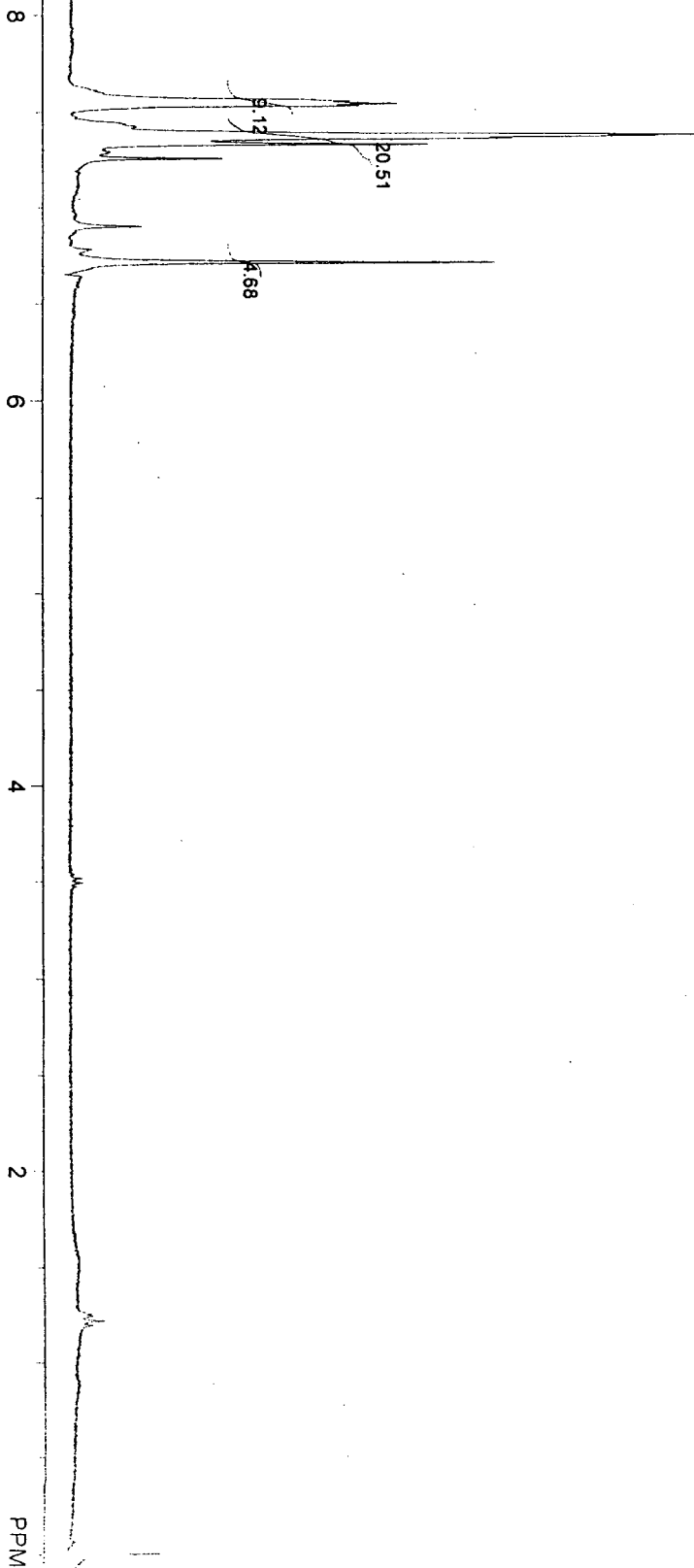
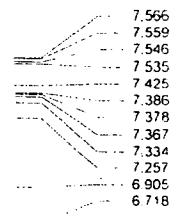
00054	F2: 75.456	SW1: 9009	PW: 4.4 usec	PD: 1.0 sec	OF1: 1512.3	NA: 8	LB: 0.0	PTSLd: 32768
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USER: -- DATE: Oct 13 2001

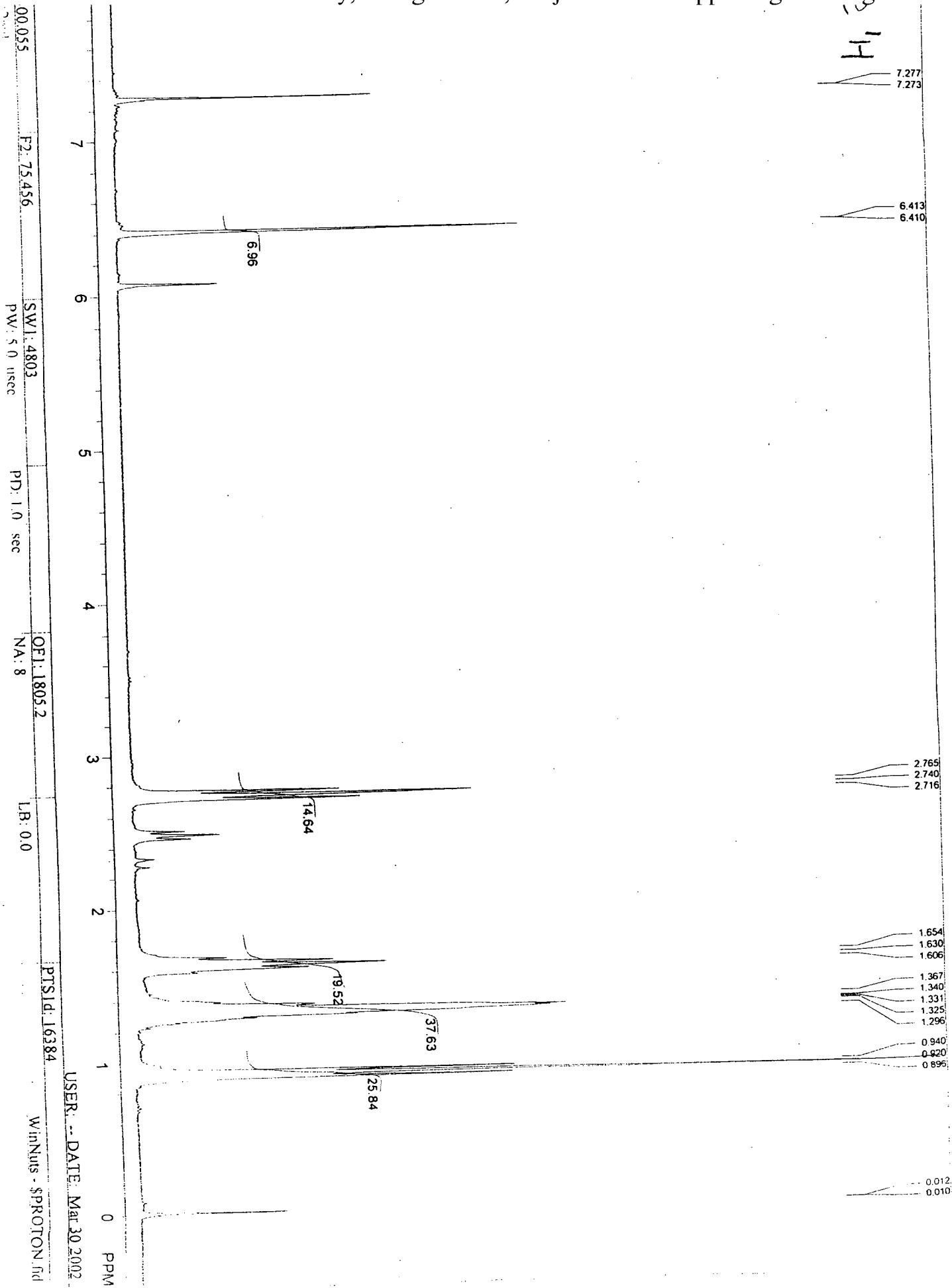
WinNuts - SPROTON fid

u-03-121

8a' 1H



20.055 F2: 75.456 SW1: 4803 PD: 1.0 sec OF1: 1803.8 LB: 0.0 PTS1d: 16384
 E: 2pul PW: 6.6 usec NA: 8
 USER: -- DATE: Mar 5 2002
 WinNuts - SPROTON.fid



xu-02-125b

8f 1H

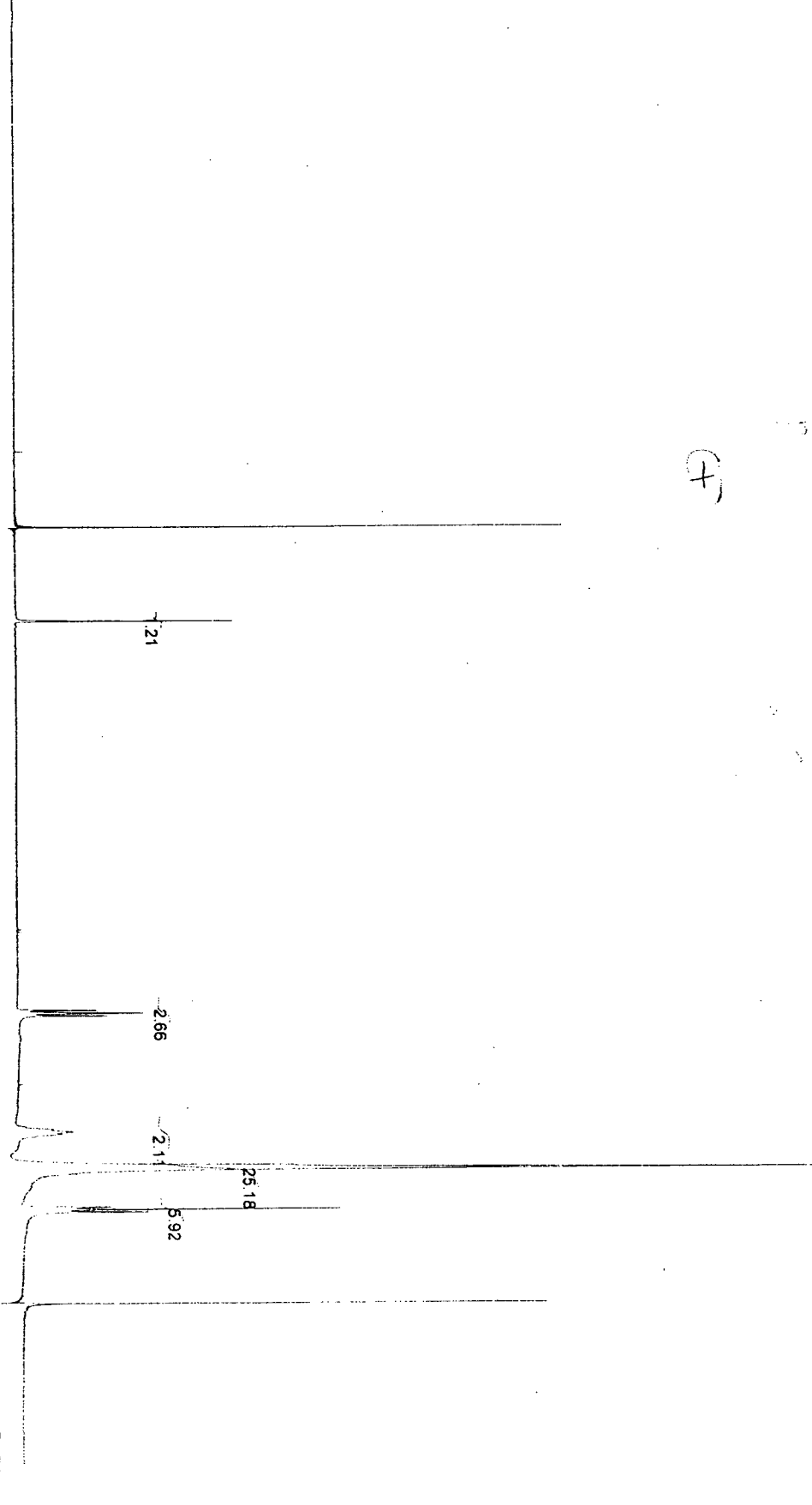
(+)

7.263
6.398

2.750
2.727
2.701
1.606
1.289
1.265
1.213
0.903
0.882
0.858

-0.001

12 10 8 6 4 2 0 PPM



7.21

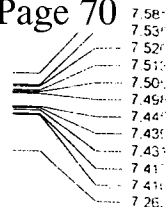
2.66

2.11

5.92

25.18

F00.035 F2: 75.456 SW1: 4803 PW: 5.0 usec PD: 1.0 sec OF1: 1801.7 NA: 8 LB: 0.0 PTS1d: 16384 USER: -- DATE: Mar 21, 2002 W/mNuts - SPROTON ftd



xu-05-182

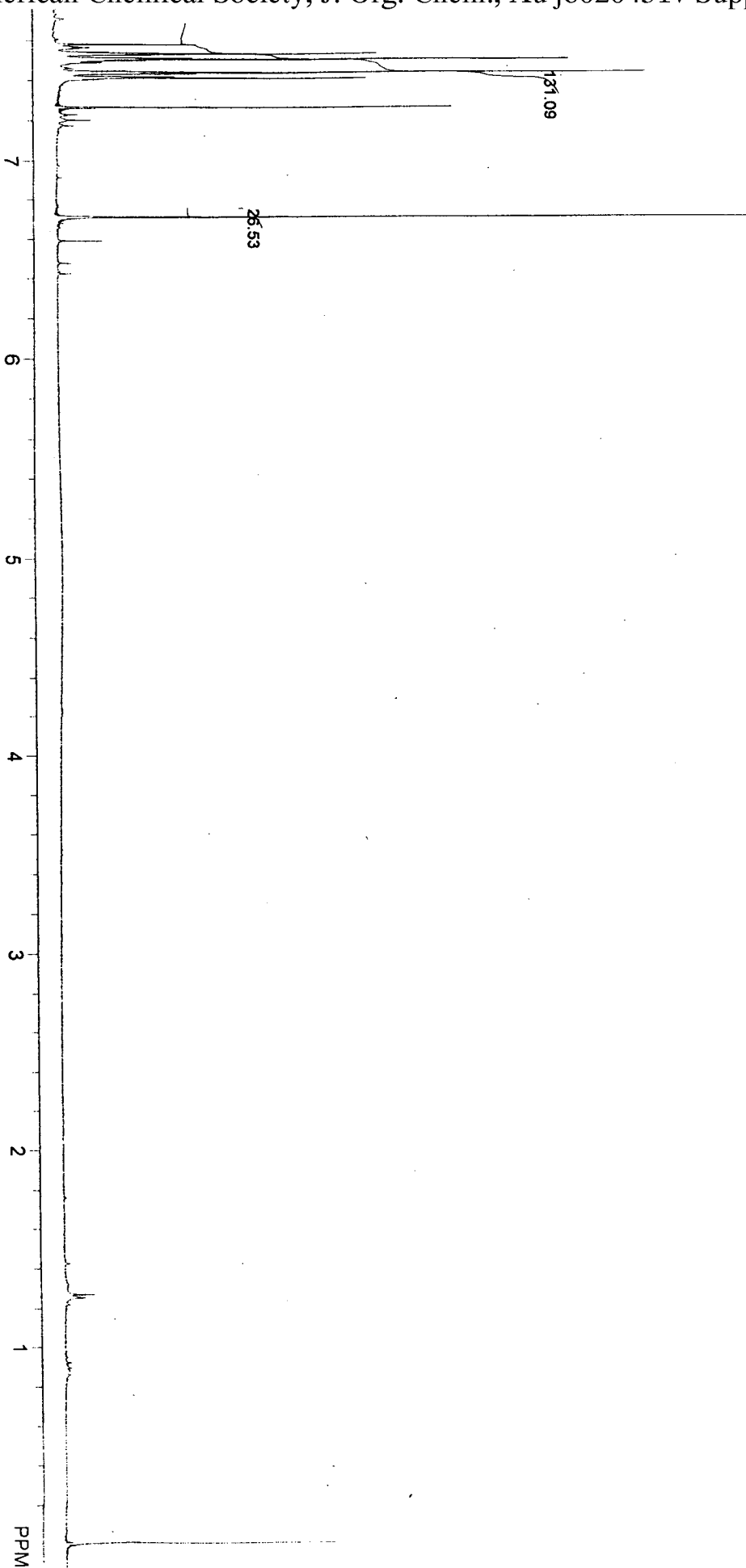
81 H

6.700

0.000
0.000

00.055 F2: 75.456 SW1: 4803 PD: 1.0 sec OF1: 1802.3 NA: 8 LB: 0.0 PTSId: 16384
2pul WinNuts - SPROTON.fid

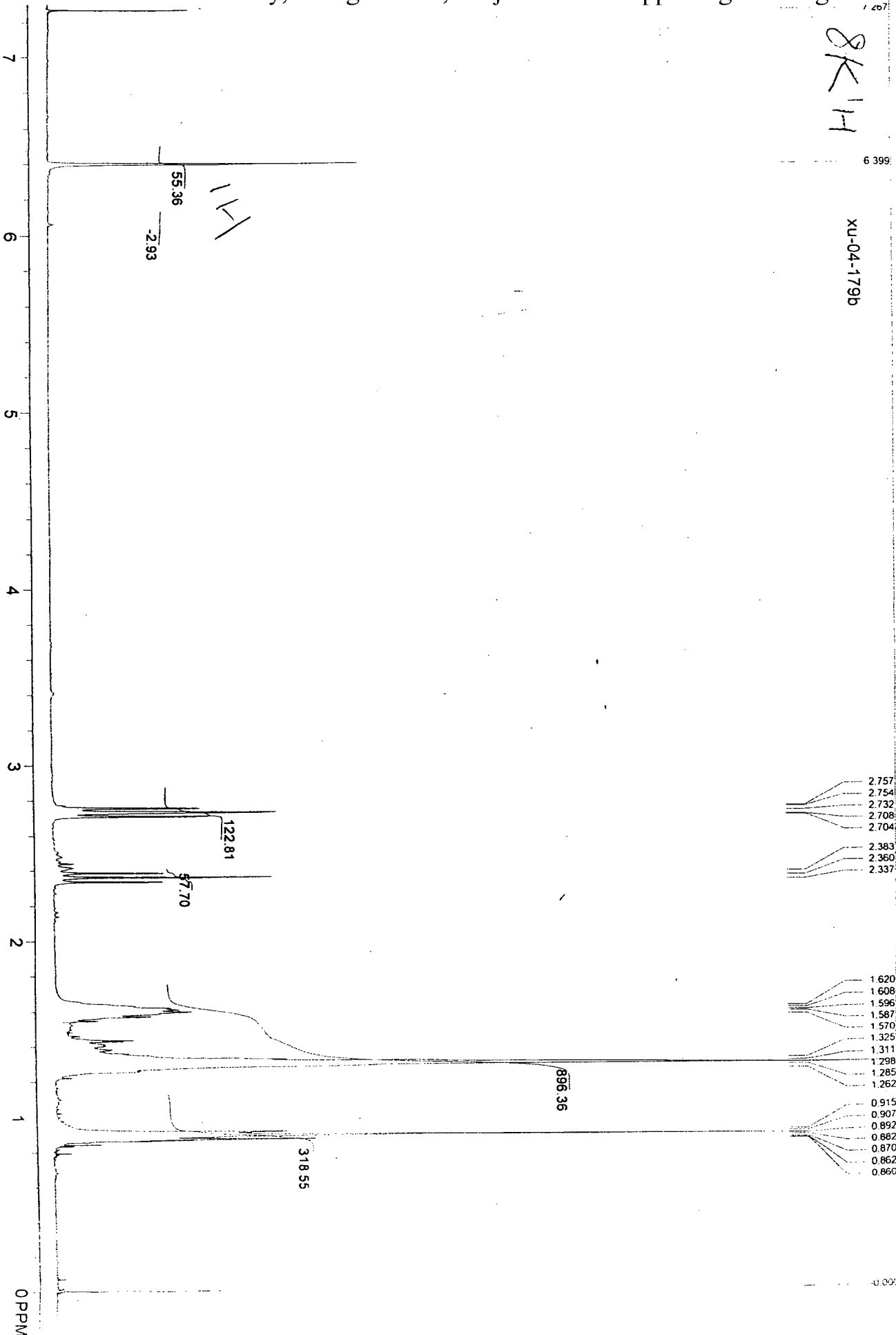
USER: --- DATE: May 6 2002



8K-1H

6 399

xu-04-179b



10.055 F2: 75.456 SW: 4803 PD: 1.0 sec OF: 1.803.2 LB: 0.0 PTS: 16384

USER: -- DATE: May 6, 2002

WinNMR - SPROTON.fid