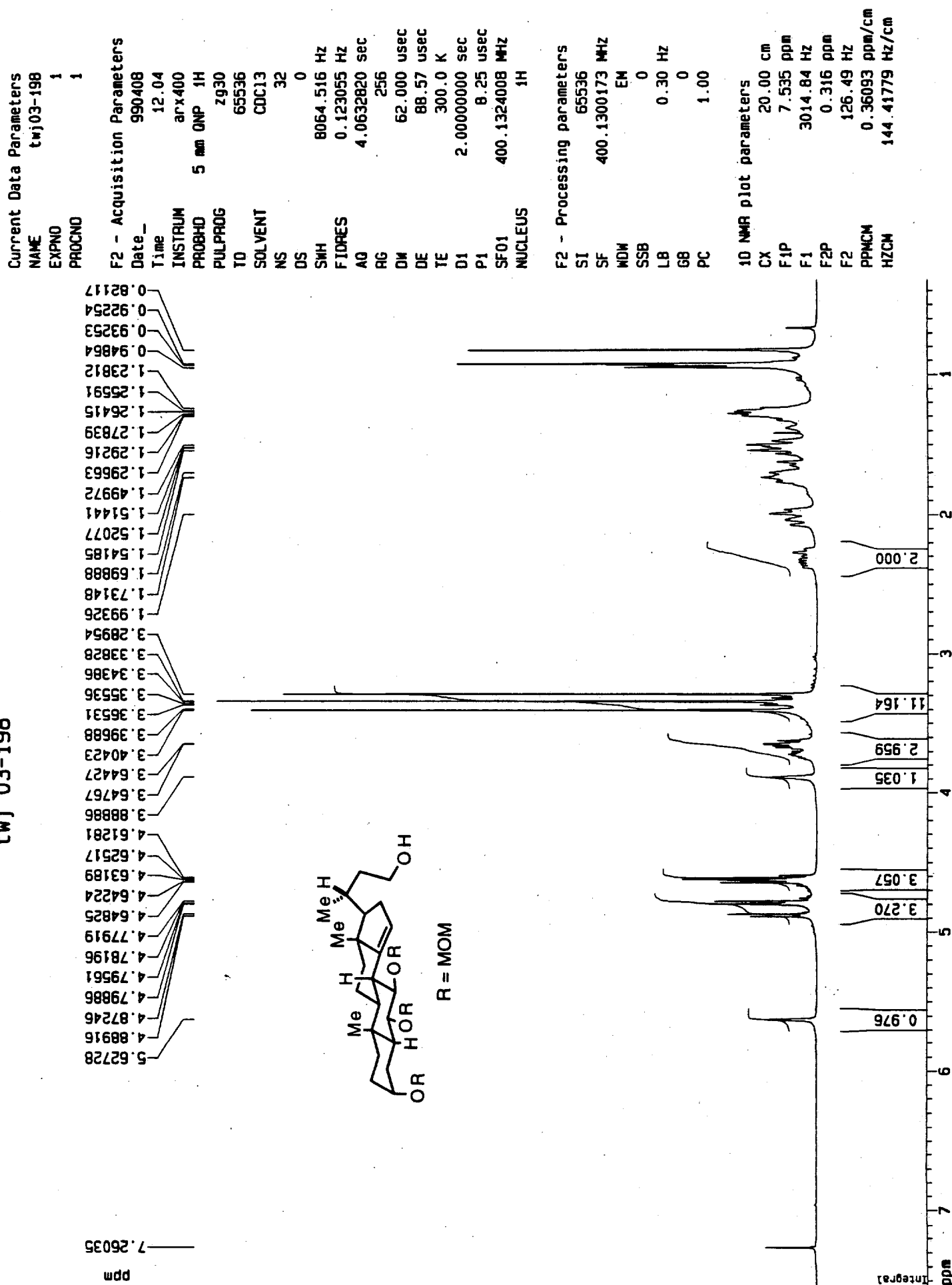
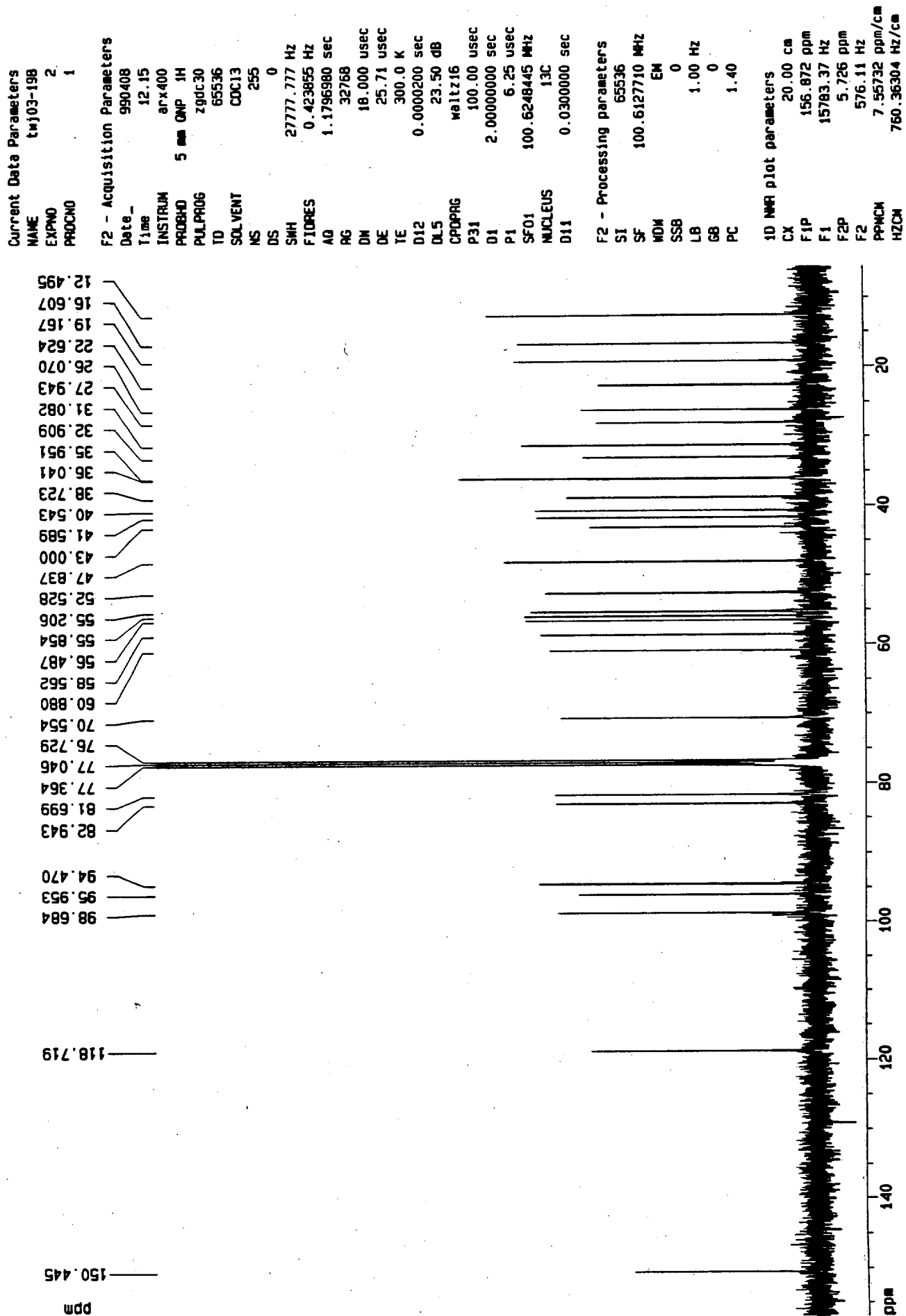
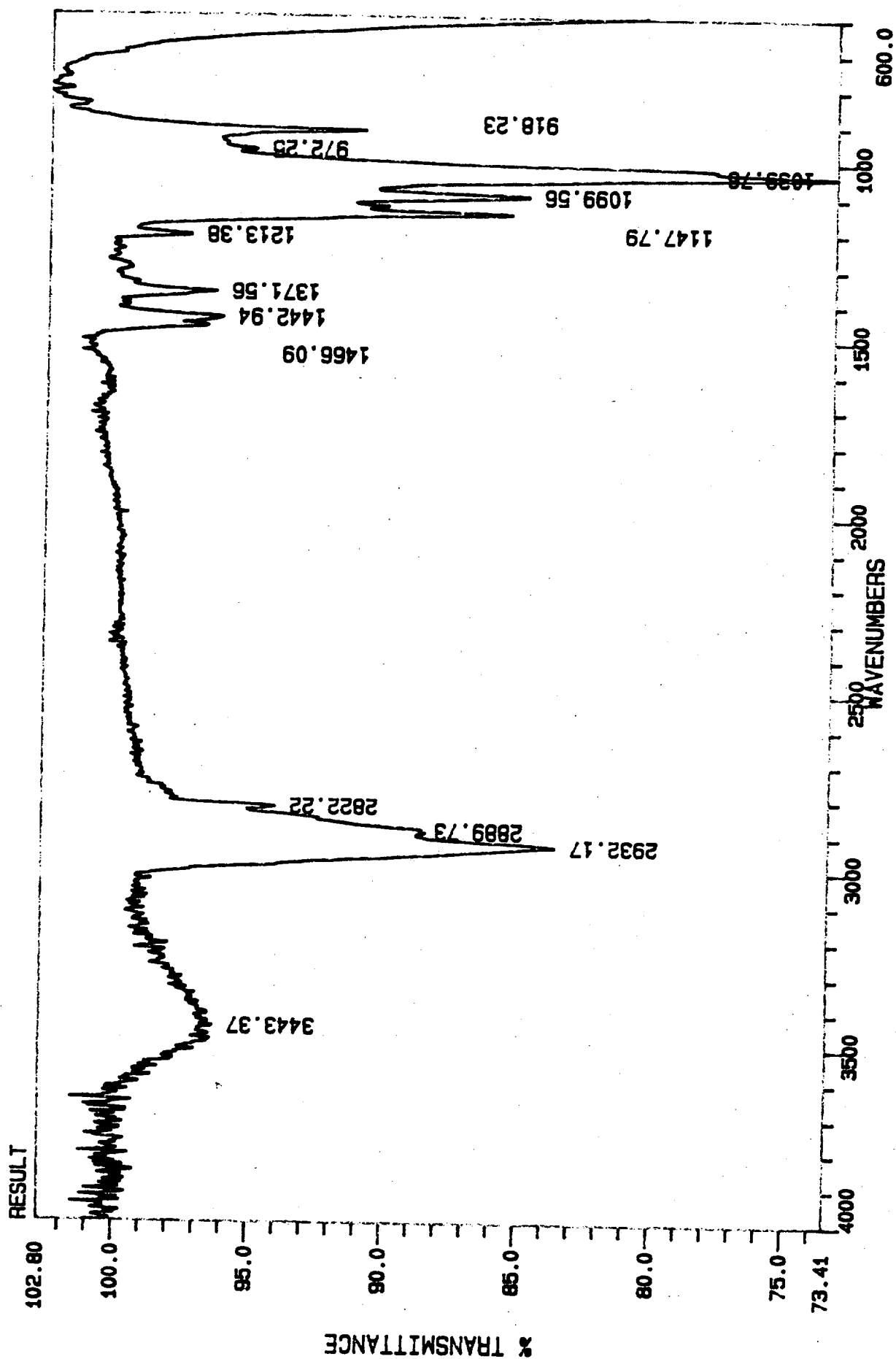


twj 03-198



twj 03-198





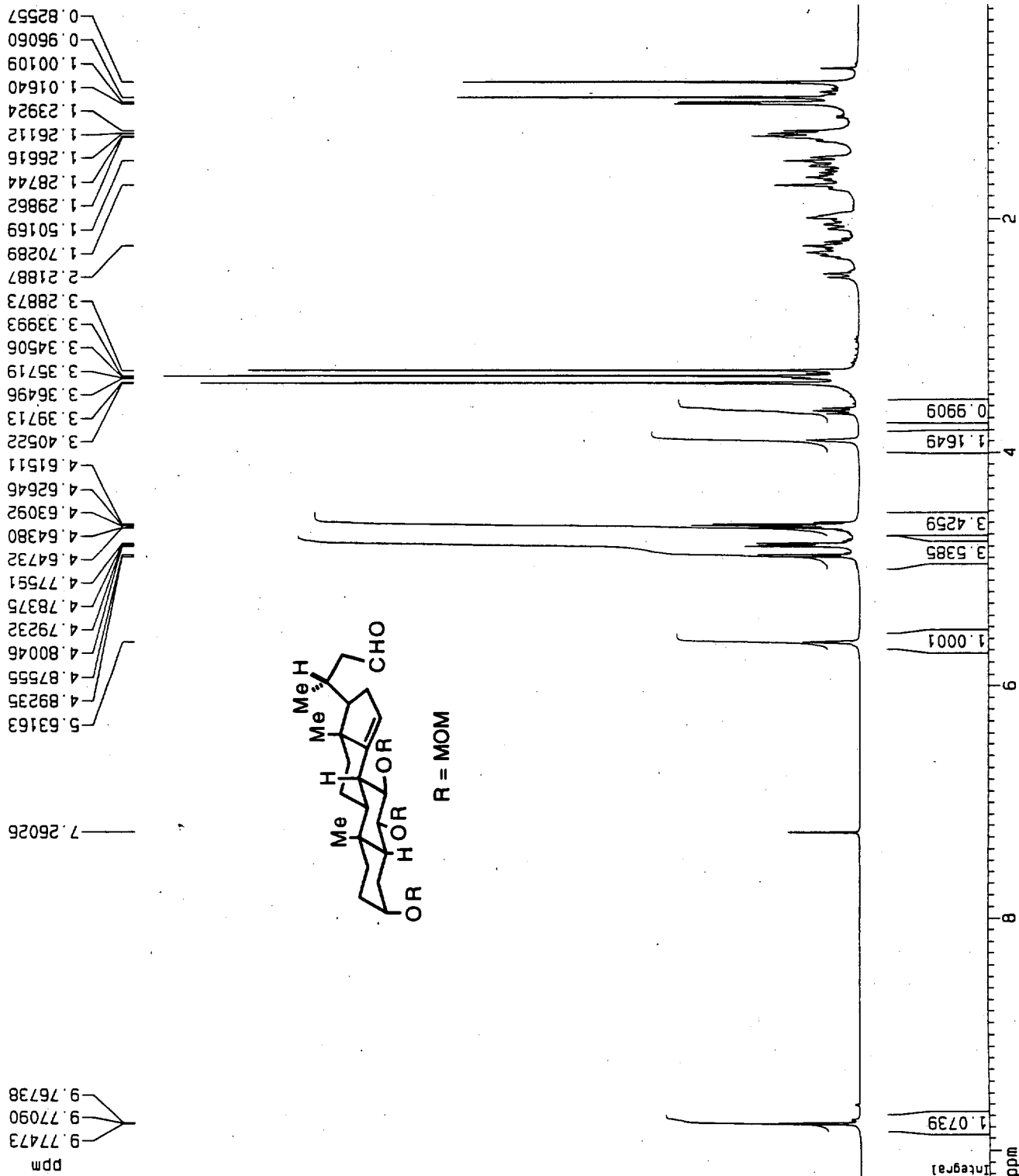
twj 03-199

Current Data Parameters
 NAME twj03-199
 EXPNO 1
 PROCNO 1

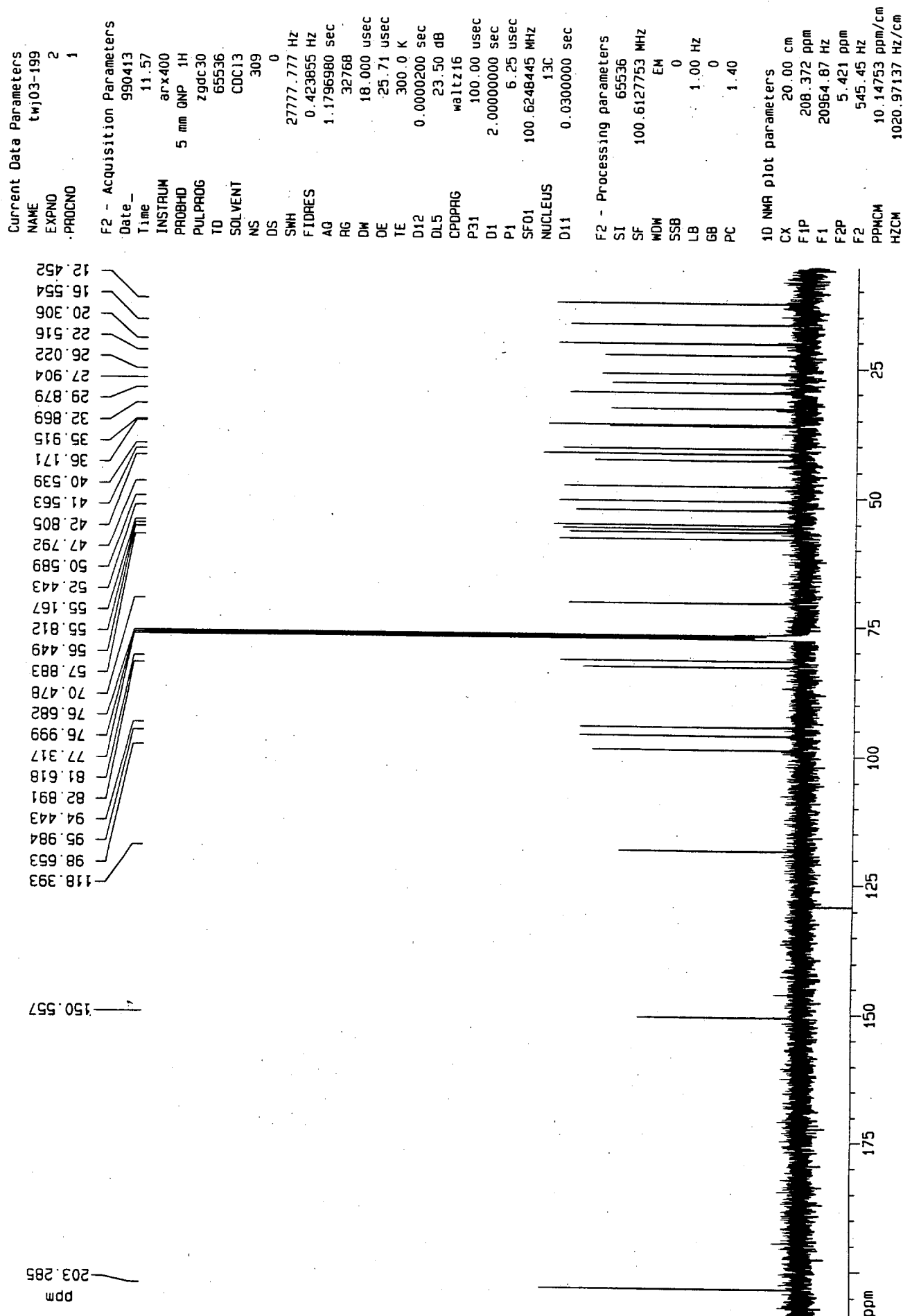
F2 - Acquisition Parameters
 Date_ 990413
 Time 11.46
 INSTRUM apx400
 PROBDH 5 mm QNP 1H
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 32
 DS 0
 SWH 8064.516 Hz
 FIDRES 0.123055 Hz
 AQ 4.0632820 sec
 RG 256
 DW 62.000 usec
 DE 88.57 usec
 TE 300.0 K
 D1 2.0000000 sec
 P1 8.25 usec
 SF01 400.1324008 MHz
 NUCLEUS 1H

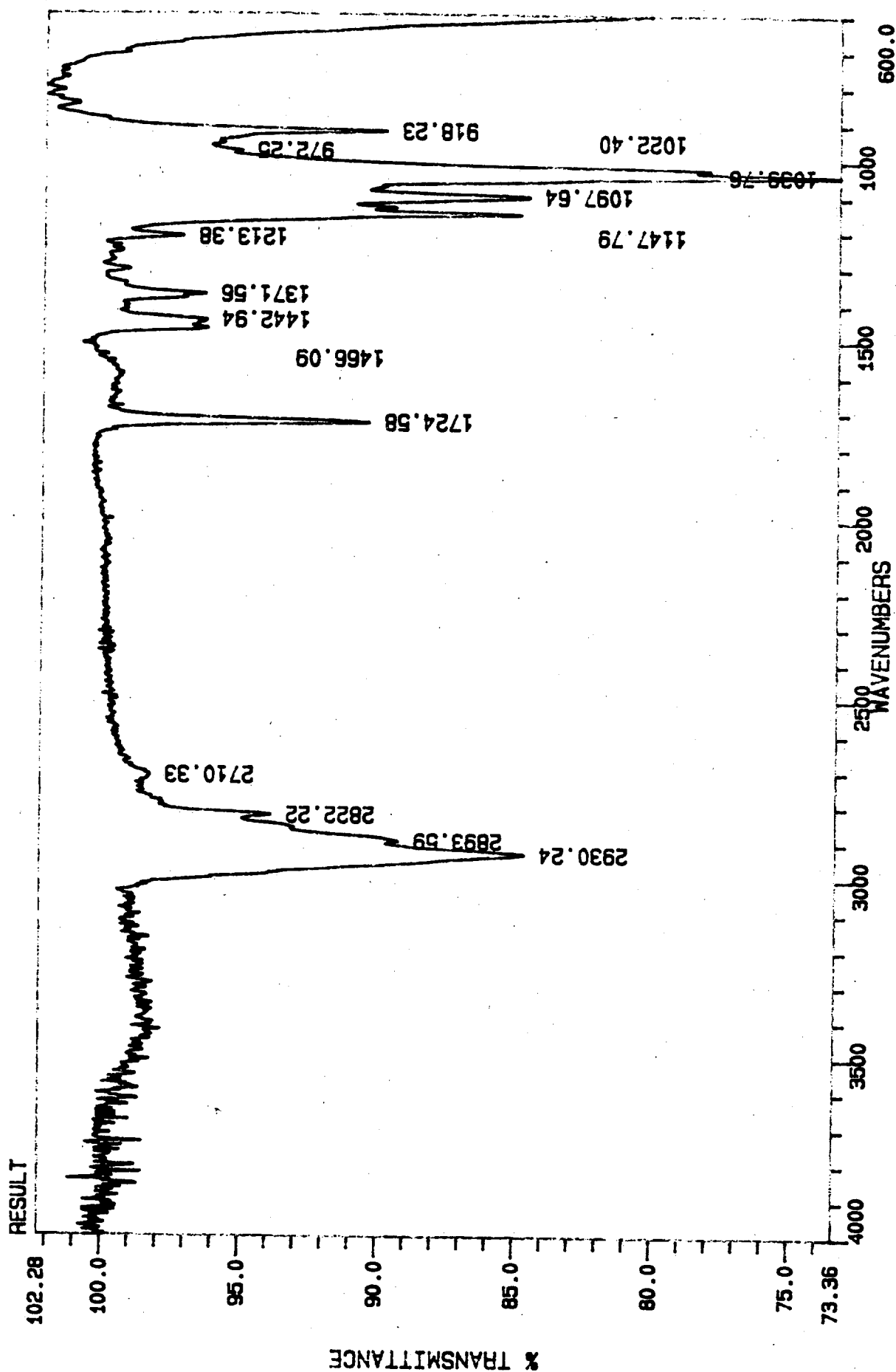
F2 - Processing parameters
 SI 65536
 SF 400.1300173 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 10.228 ppm
 F1 4092.46 Hz
 F2P 0.162 ppm
 F2 64.66 Hz
 PPMCM 0.50331 ppm/cm
 HZCM 201.38995 Hz/cm



twj 03-199





Current Data Parameters	
NAME	twj03-204a
EXPNO	1
PROCNO	1

F2 - Acquisition Parameters

Date_ 990421
Time 21.05

INSTRUM
arx400

PROBHD 5 mm QNP 1H

GOVERNMENT OF THE DISTRICT OF COLUMBIA

01 36333 0000

01

COI VENT

CICCO

DCCO

INVENTOR

32

SD 0

8064.516 SWH

0.123055

AG 4.0632820

512 96

62.000 MC

88 57

00E
00E

300:0
3 00000000

Σ. 000000000

8.23

400.1324008

2 - Processing parameters

95536

400 13001731

100:1300:1500

BSA
MOR

0
0
0

0.30 1 05.0

08B

1D NMA plot parameters

20 00

7 786

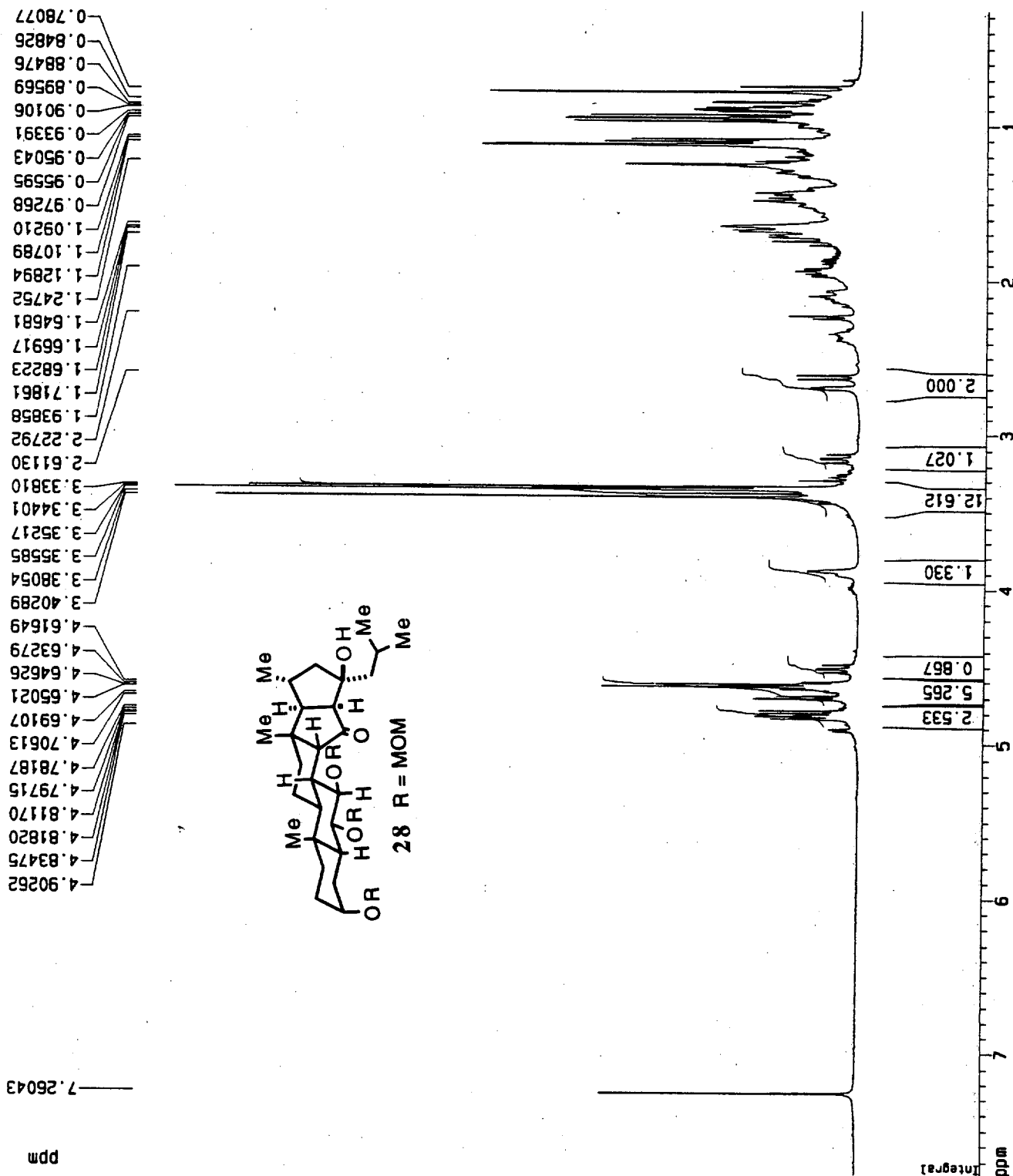
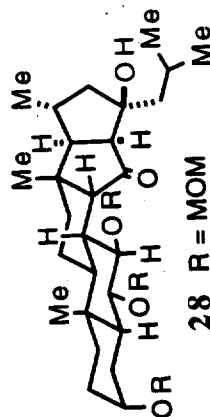
1. 3415 45 1

3113.43

852.0 42

103.32 H

PMCM 0.37639

150.60686 H
MZCM

twj 03-204a

ppm
219.993

99.387
98.684
94.433
82.550
82.105
77.345
77.027
76.710
70.554
62.972
57.491
56.476
56.352
55.226
51.696
46.172
41.473
38.349
38.180
38.051
36.253
34.575
24.825
24.695
24.466
20.513
19.721
12.548

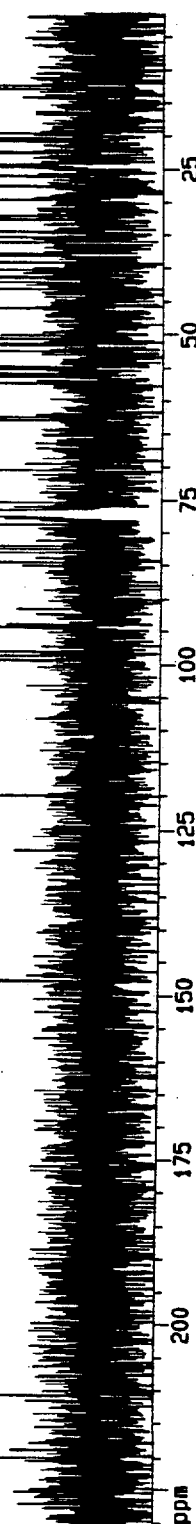
28

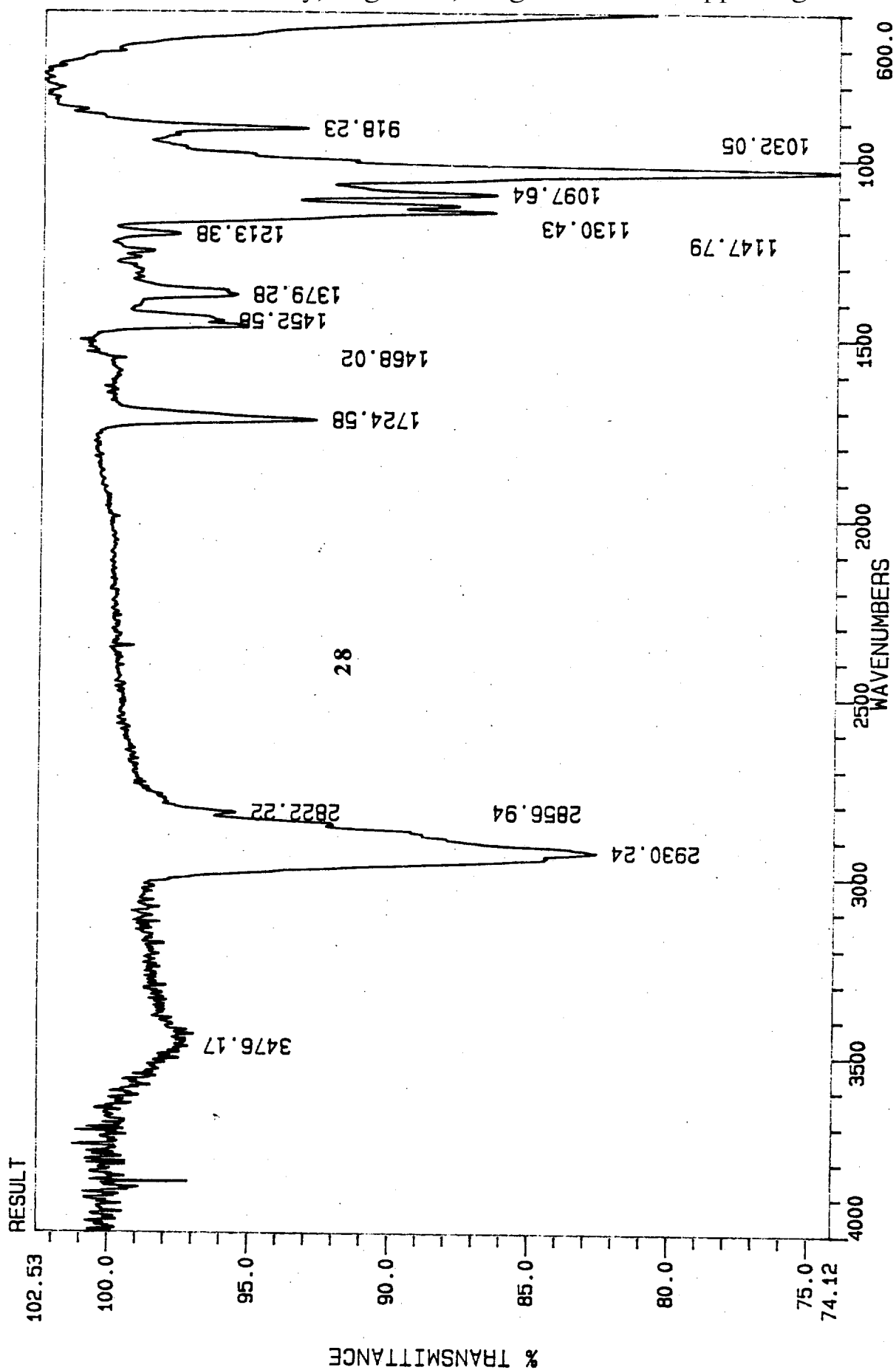
Current Data Parameters
NAME twj03-204a
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 990421
Time 21.11
INSTRUM arx400
PROBHD 5 mm QNP 1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1329
DS 0
SWH 27777.777 Hz
FIDRES 0.423855 Hz
AQ 1.1795980 sec
RG 32768
DM 18.000 usec
DE 25.71 usec
TE 300.0 K
D12 0.0000200 sec
D15 23.50 dB
CPDPRG waltz16
P31 100.00 usec
D1 2.00000000 sec
P1 6.25 usec
SF01 100.6248445 MHz
NUCLEUS 13C
D11 0.0300000 sec

F2 - Processing parameters
SI 65536
SF 100.6127710 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
F1P 230.074 ppm
F1 23148.39 Hz
F2P 1.602 ppm
F2 151.17 Hz
PPNCH 11.42361 ppm/cm
HZCH 1149.36108 Hz/cm





twj 03-207

Current Data Parameters
NAME twj03-207
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

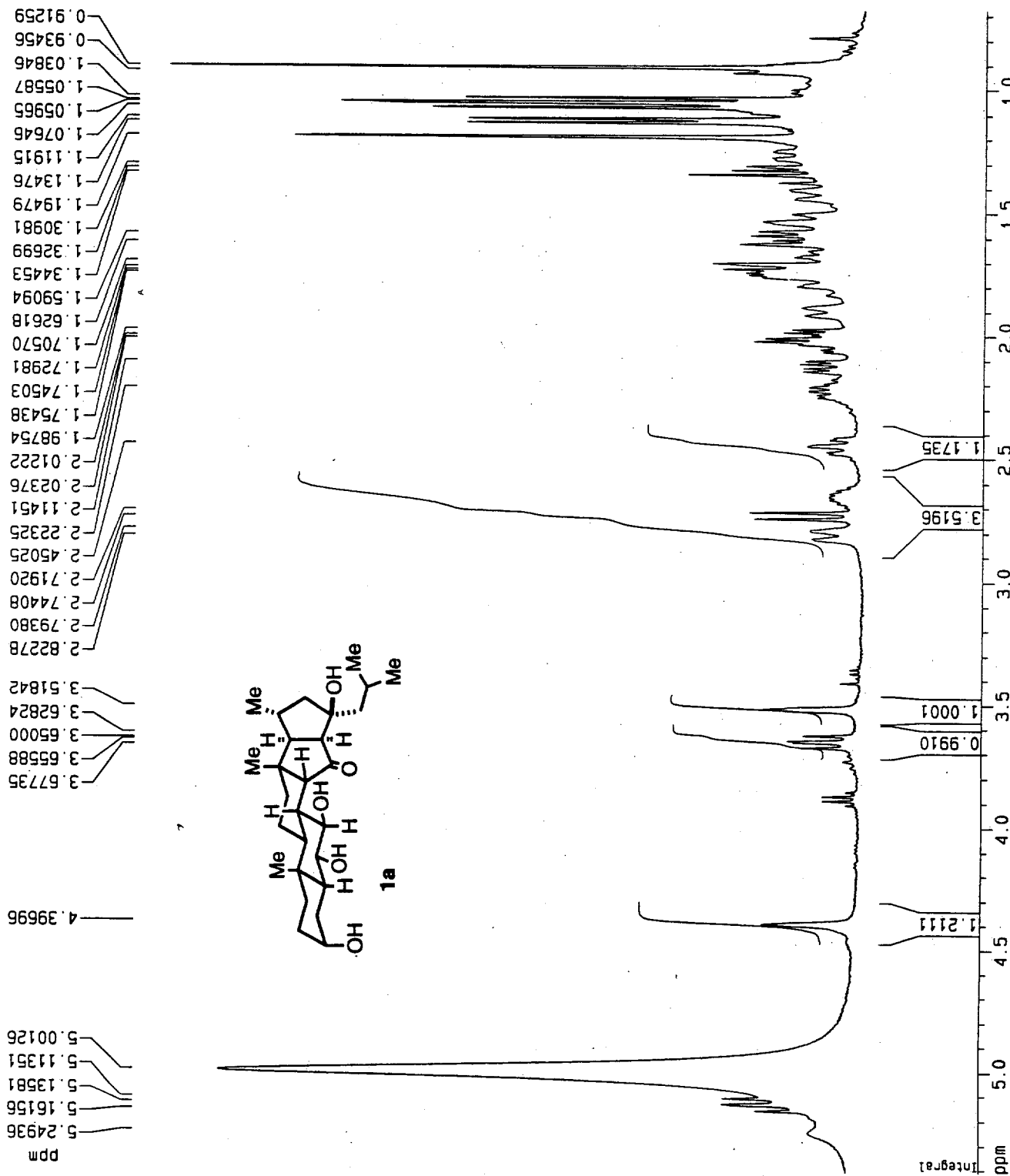
Date_ 990423
Time 16.53
INSTRUM arx400
PROBHD 5 mm QNP 1H
PULPROG zg30
TD 65536
SOLVENT Pyr
NS 32
DS 0
SWH 8064.516 Hz
FIDRES 0.123055 Hz
AQ 4.0632820 sec
RG 1024
DM 62.000 usec
DE 88.57 usec
TE 300.0 K
D1 2.00000000 sec
P1 8.25 usec
SF01 400.1324008 MHz
NUCLEUS 1H

F2 - Processing parameters

SI 65536
SF 400.1299852 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 20.00 cm
F1P 5.411 ppm
F1 2165.14 Hz
F2P 0.677 ppm
F2 271.03 Hz
PPMCM 0.23669 ppm/cm
HZCM 94.70541 Hz/cm



twj 03-207

Current Data Parameters
 NAME twj03-207
 EXPNO 1
 PROCNO 1

ppm

4.39696

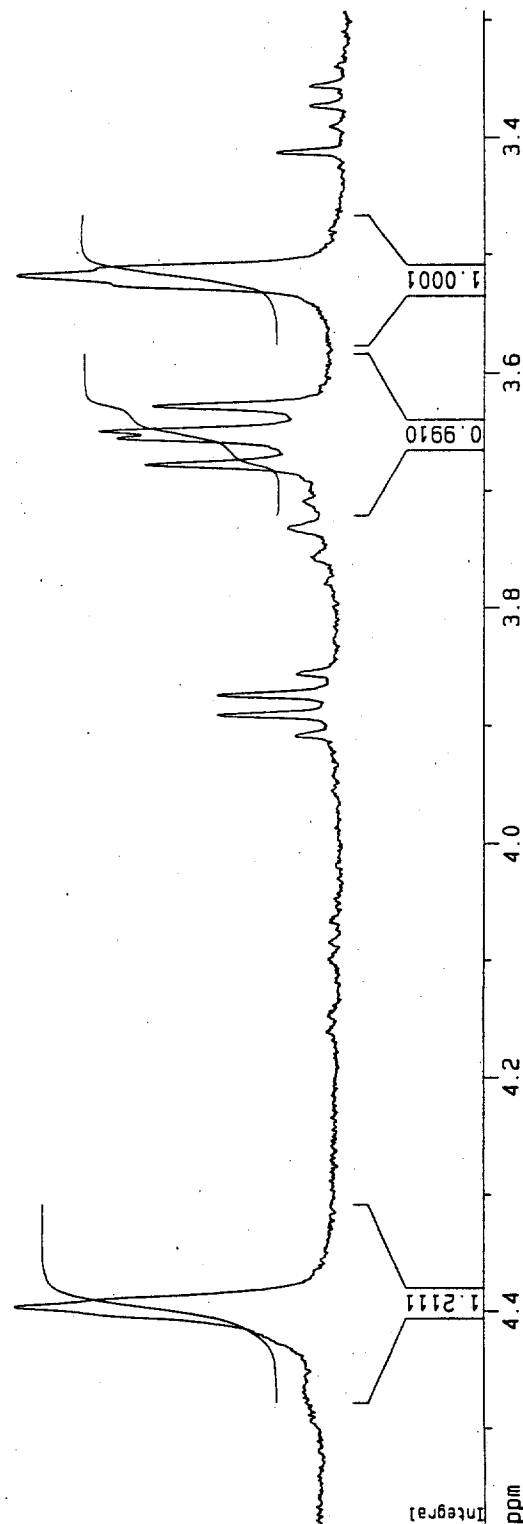
3.67735
 3.65588
 3.65000
 3.62824
 3.51842

1a

F2 - Acquisition Parameters
 Date_ 990423
 Time 16.53
 INSTRUM arx400
 PROBHD 5 mm QNP 1H
 PULPROG zg30
 TD 65536
 SOLVENT Pyr
 NS 32
 DS 0
 SWH 8064.516 Hz
 FIDRES 0.123055 Hz
 AQ 4.0632820 sec
 RG 1024
 DW 62.000 usec
 DE 88.57 usec
 TE 300.0 K
 D1 2.00000000 sec
 P1 8.25 usec
 SF01 400.1324008 MHz
 NUCLEUS 1H

F2 - Processing parameters
 SI 65536
 SF 400.1299852 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 4.580 ppm
 F1 1832.68 Hz
 F2P 3.292 ppm
 F2 1317.26 Hz
 PPMCM 0.06441 ppm/cm
 HZCM 25.77131 Hz/cm



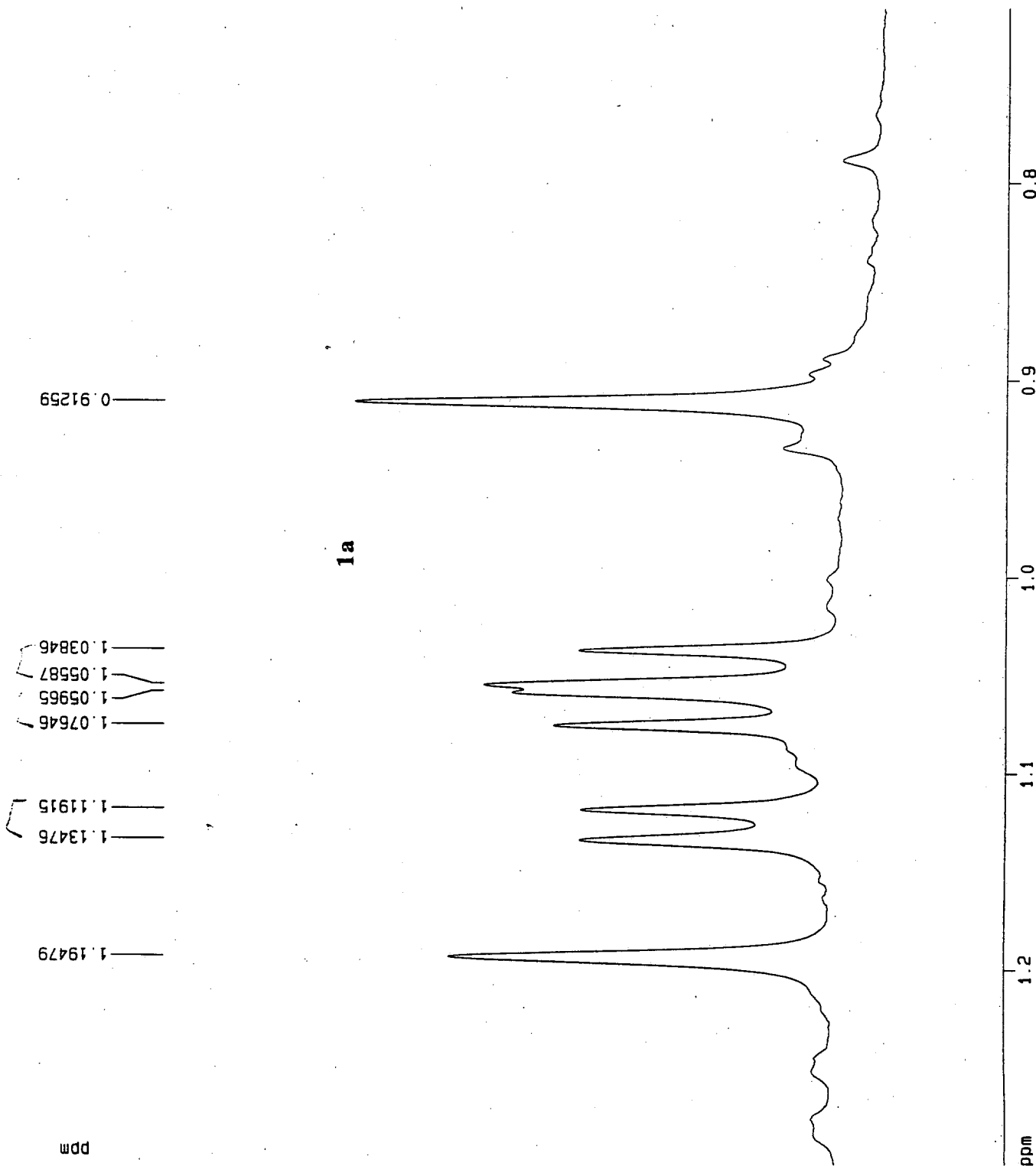
twj 03-207

Current Data Parameters
 NAME twj03-207
 EXPNO 1
 PROCNO 1

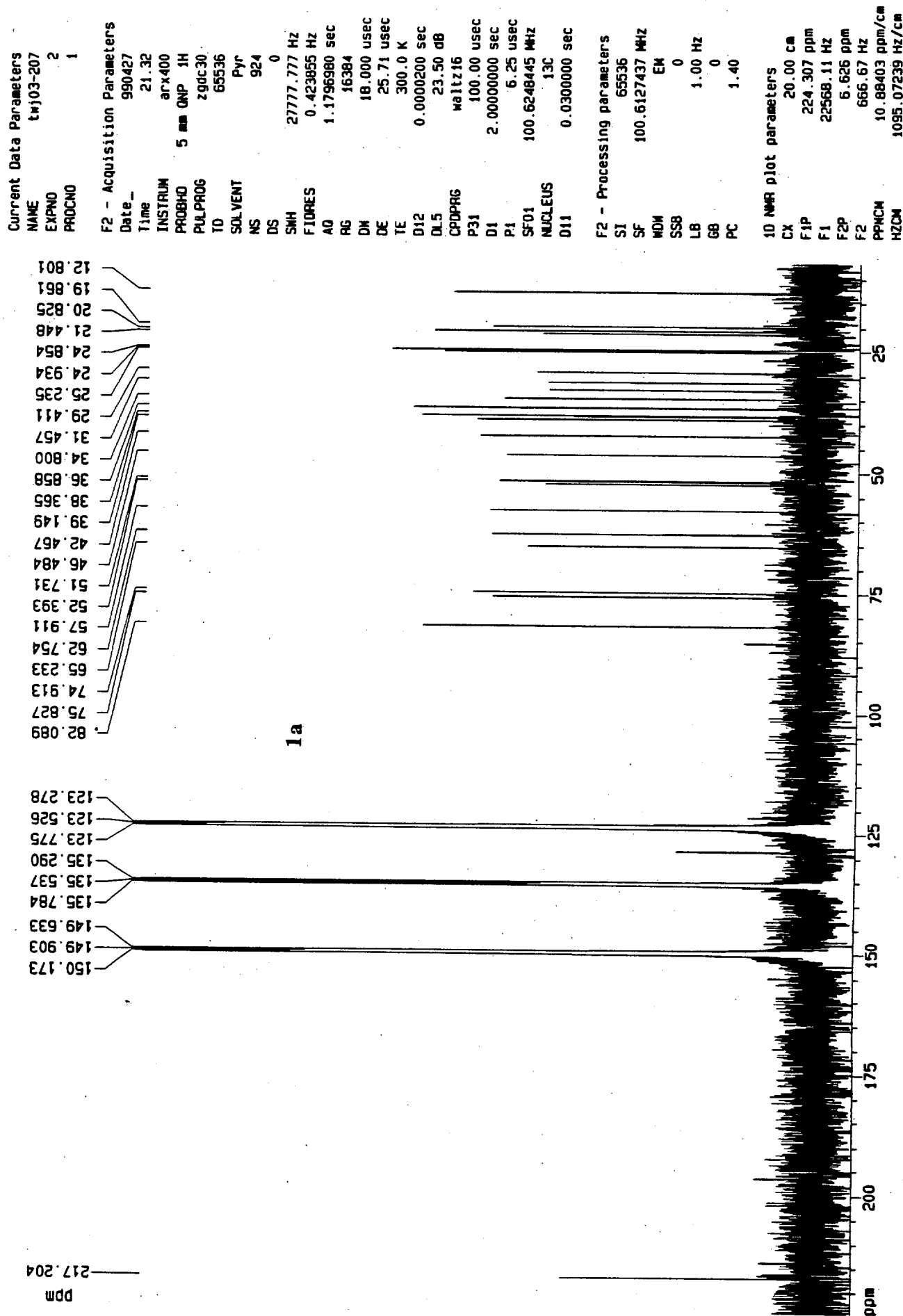
F2 - Acquisition Parameters
 Date_ 990423
 Time 16.53
 INSTRUM arx400
 PROBH0 5 mm QNP 1H
 PULPROG zg30
 TD 65536
 SOLVENT Pyr
 NS 32
 DS 0
 SWH 8064.516 Hz
 FIDRES 0.123055 Hz
 AQ 4.0632820 sec
 RG 1024
 DW 62.000 usec
 DE 88.57 usec
 TE 300.0 K
 D1 2.00000000 sec
 P1 8.25 usec
 SF01 400.1324008 MHz
 NUCLEUS 1H

F2 - Processing parameters
 SI 65536
 SF 400.1299852 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

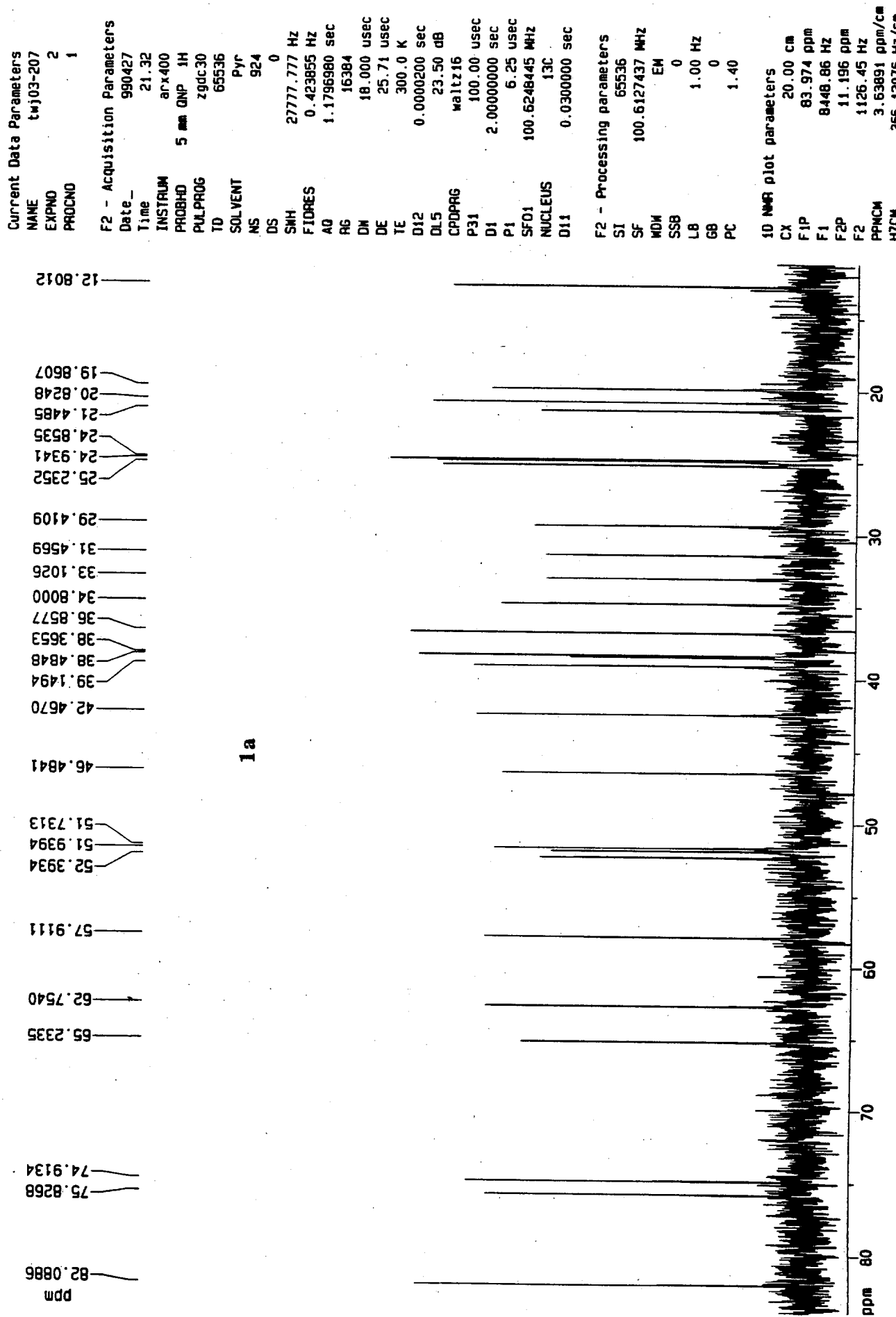
1D NMR plot parameters
 CX 20.00 cm
 F1P 1.299 ppm
 F1 519.75 Hz
 F2P 0.712 ppm
 F2 284.78 Hz
 PPMCM 0.02936 ppm/cm
 HZCM 11.74808 Hz/cm

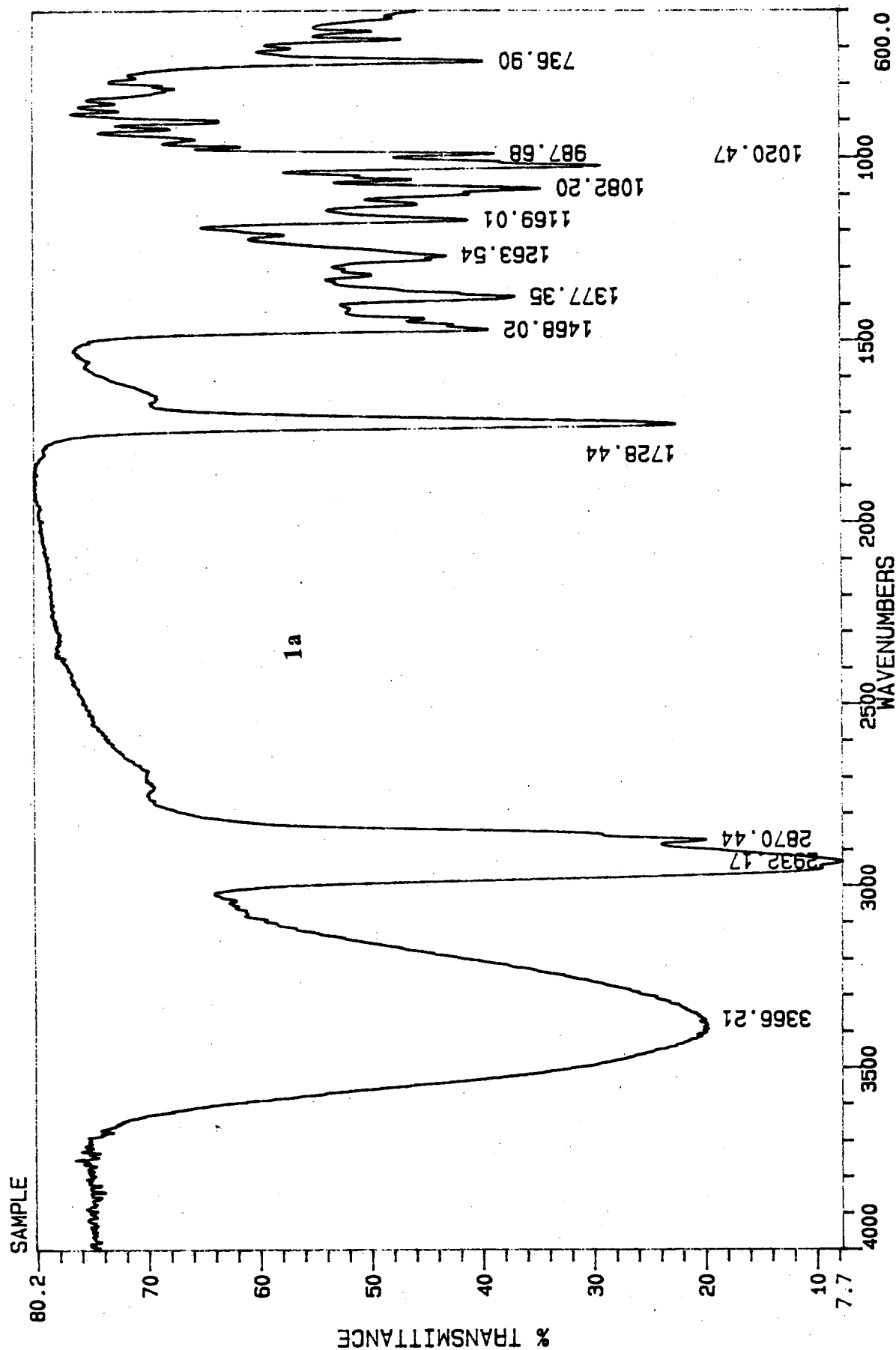


twj 03-207



twj 03-207





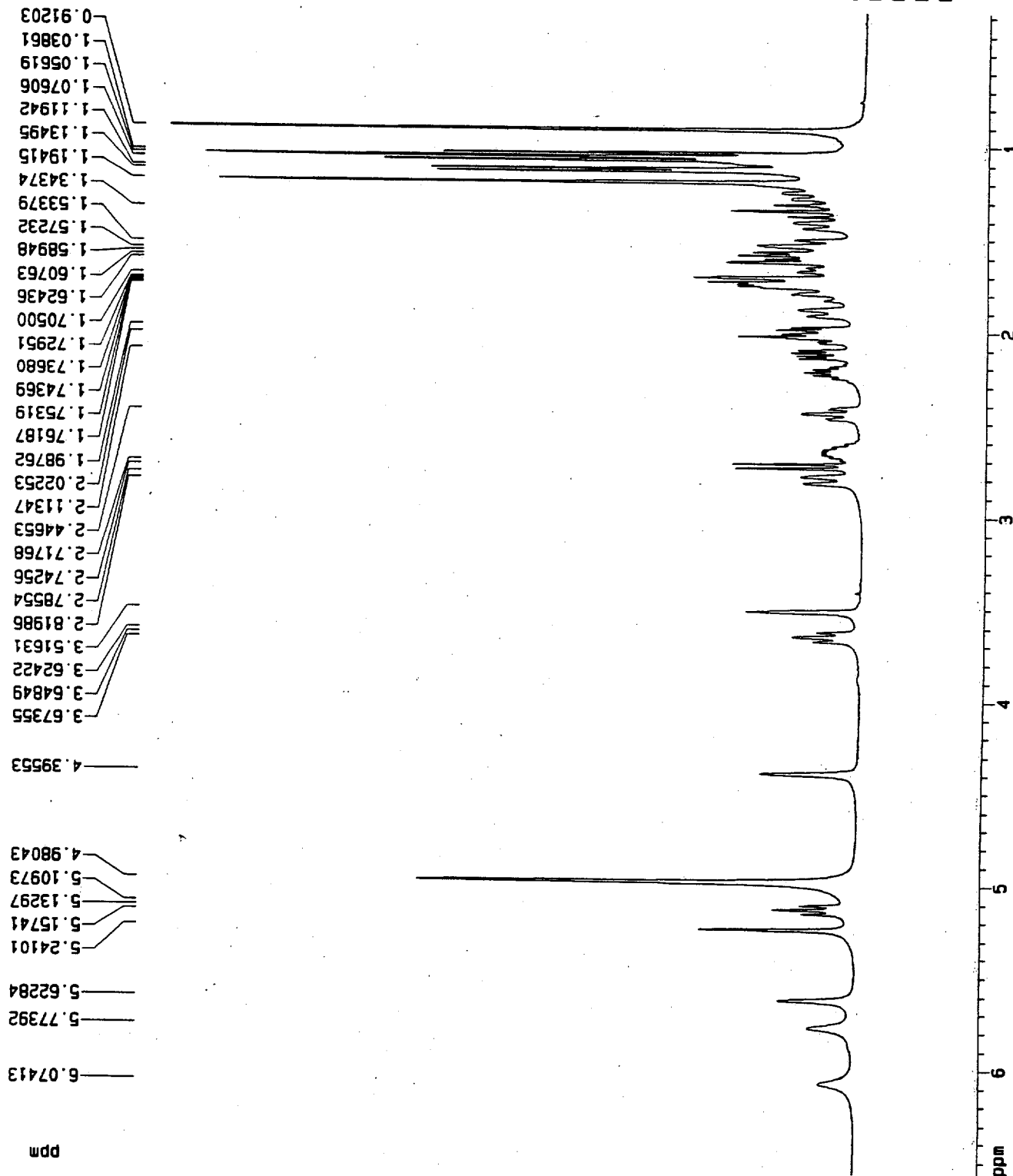
natural xestobergsterol A

Current Data Parameters
NAME natxesto
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 990427
Time 13.53
INSTRUM arx400
PROBHD 5 mm QNP 1H
PULPROG zg30
TD 65536
SOLVENT Pyr
NS 32
DS 0
SWH 8064.516 Hz
FIDRES 0.123055 Hz
AQ 4.0632820 sec
RG 715
DM 62.000 usec
DE 88.57 usec
TE 300.0 K
D1 2.00000000 sec
P1 8.25 usec
SF01 400.1324008 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 65536
SF 400.1299855 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
F1P 6.559 ppm
F1 2624.41 Hz
F2P 0.276 ppm
F2 110.45 Hz
PPMCM 0.31414 ppm/cm
HZCM 125.69805 Hz/cm



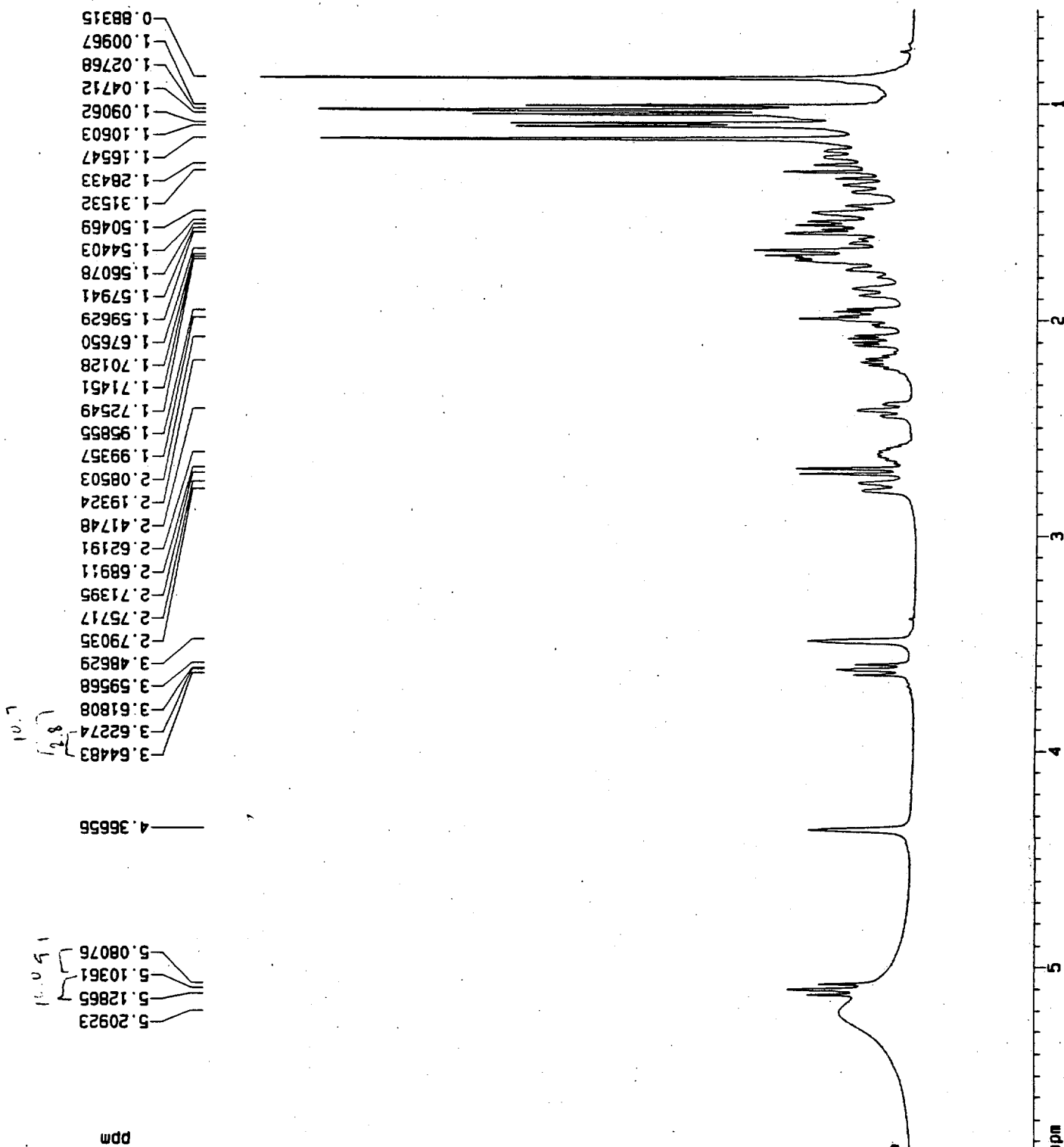
natural xesto A and synthetic xesto A mix (1:1)

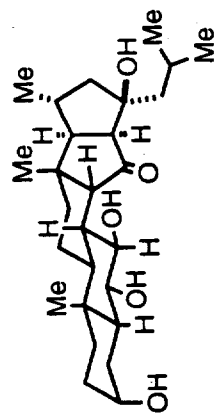
Current Data Parameters
 NAME mix
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 990427
 Time 22.24
 INSTRUM arx400
 PROBHD 5 mm QNP 1H
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 31
 DS 0
 SWH 8064.516 Hz
 FIDRES 0.123055 Hz
 AQ 4.0632820 sec
 RG 715
 DW 62.000 usec
 DE 88.57 usec
 TE 300.0 K
 D1 2.0000000 sec
 P1 8.25 usec
 SF01 400.1324008 MHz
 NUCLEUS 1H

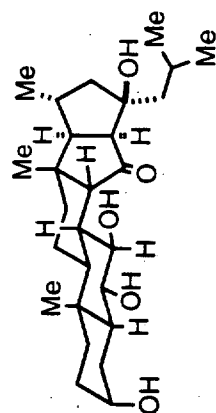
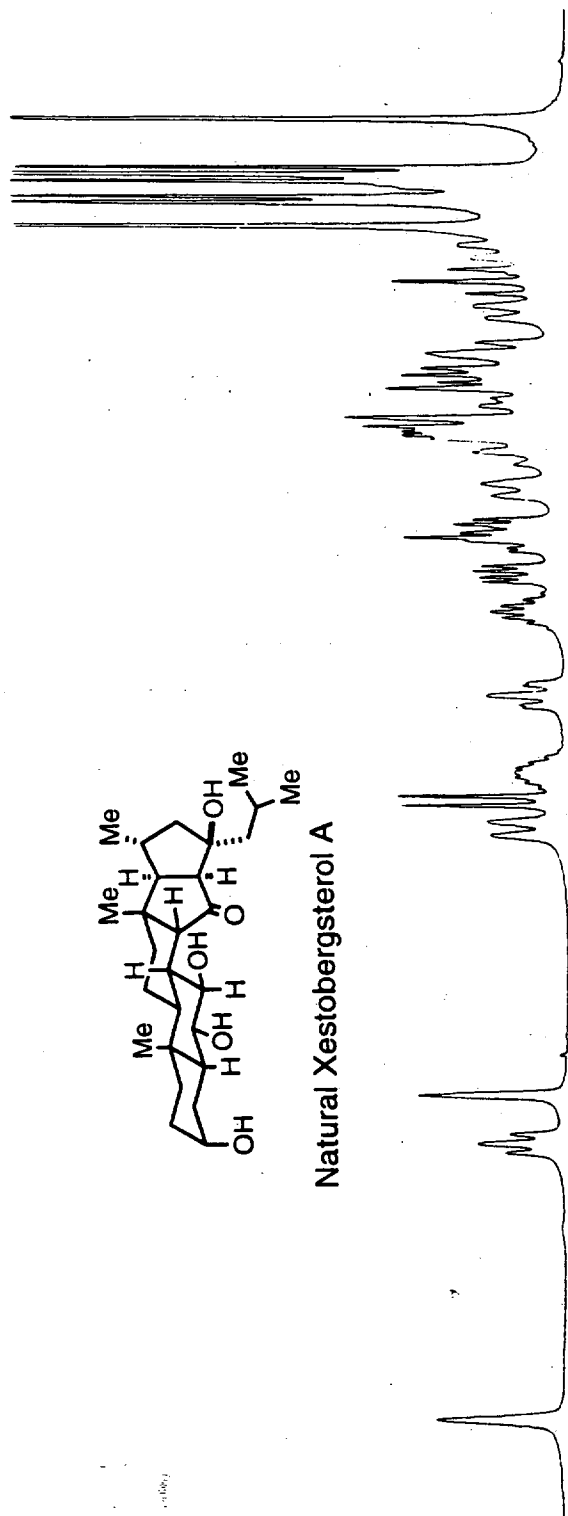
F2 - Processing parameters
 SI 65536
 SF 400.1299969 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 5.857 ppm
 F1 2343.46 Hz
 F2P 0.567 ppm
 F2 226.75 Hz
 PP4CM 0.26450 ppm/cm
 HZCM 105.83549 Hz/cm





Natural Xestobergsterol A



Synthetic Xestobergsterol A

