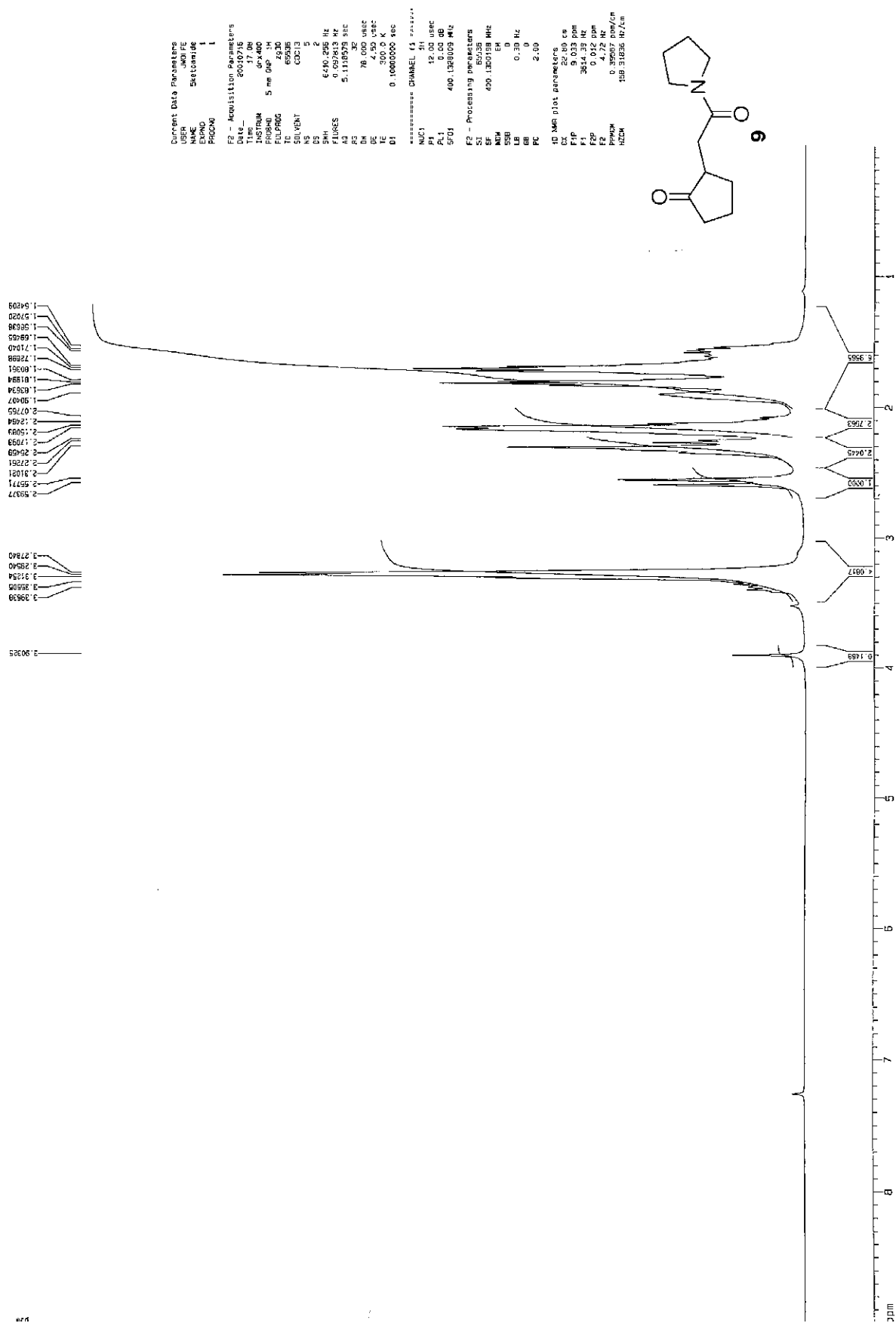
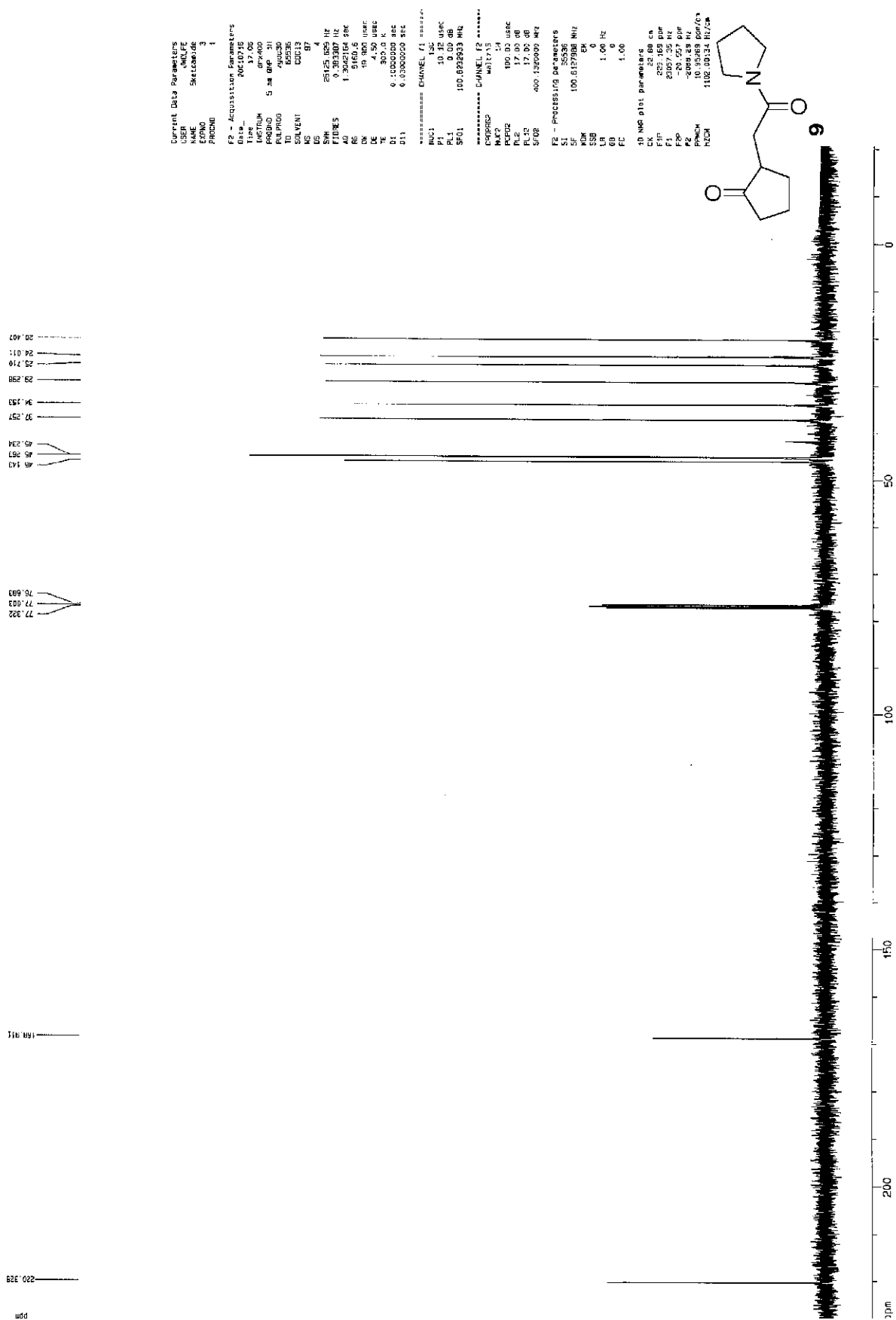
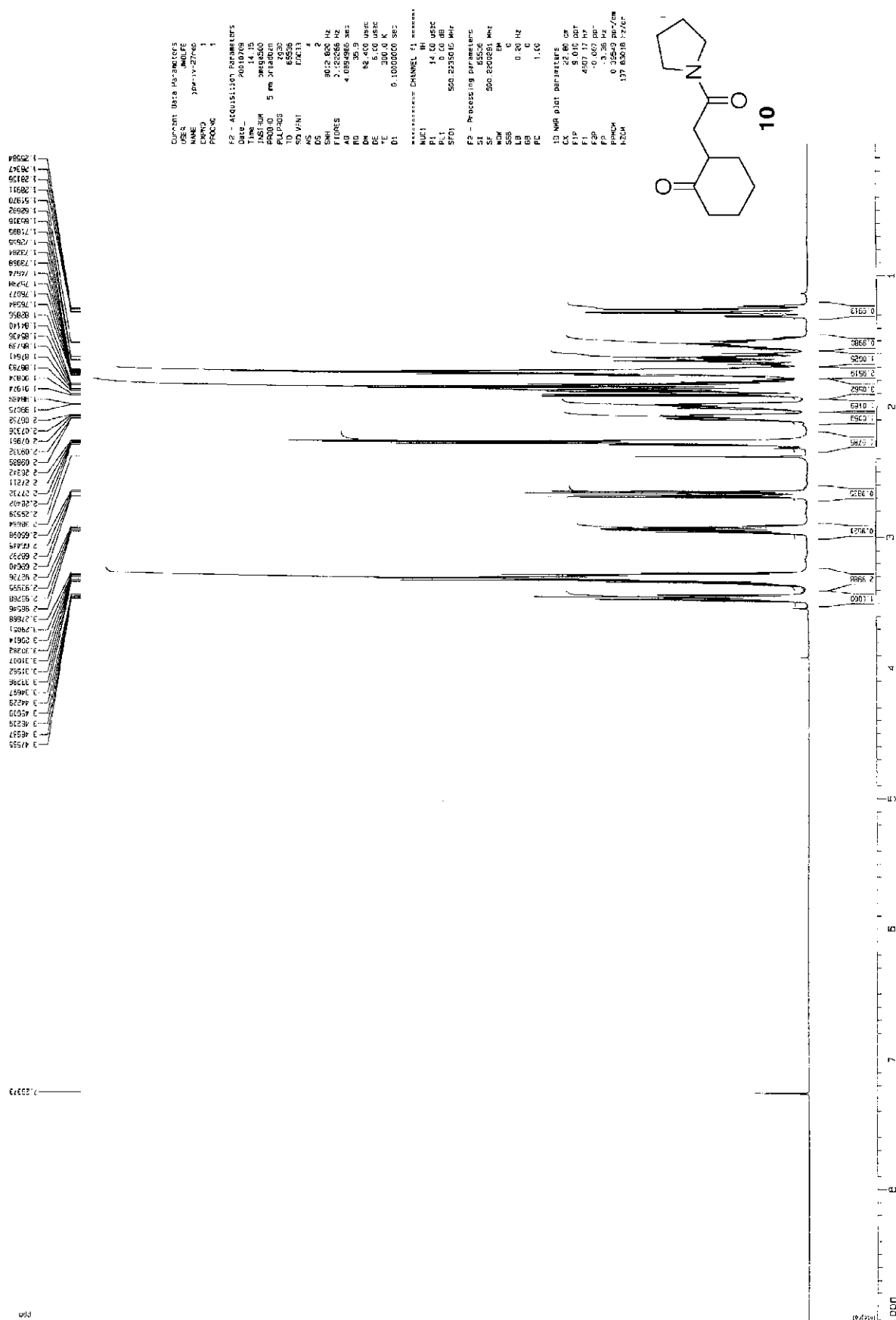
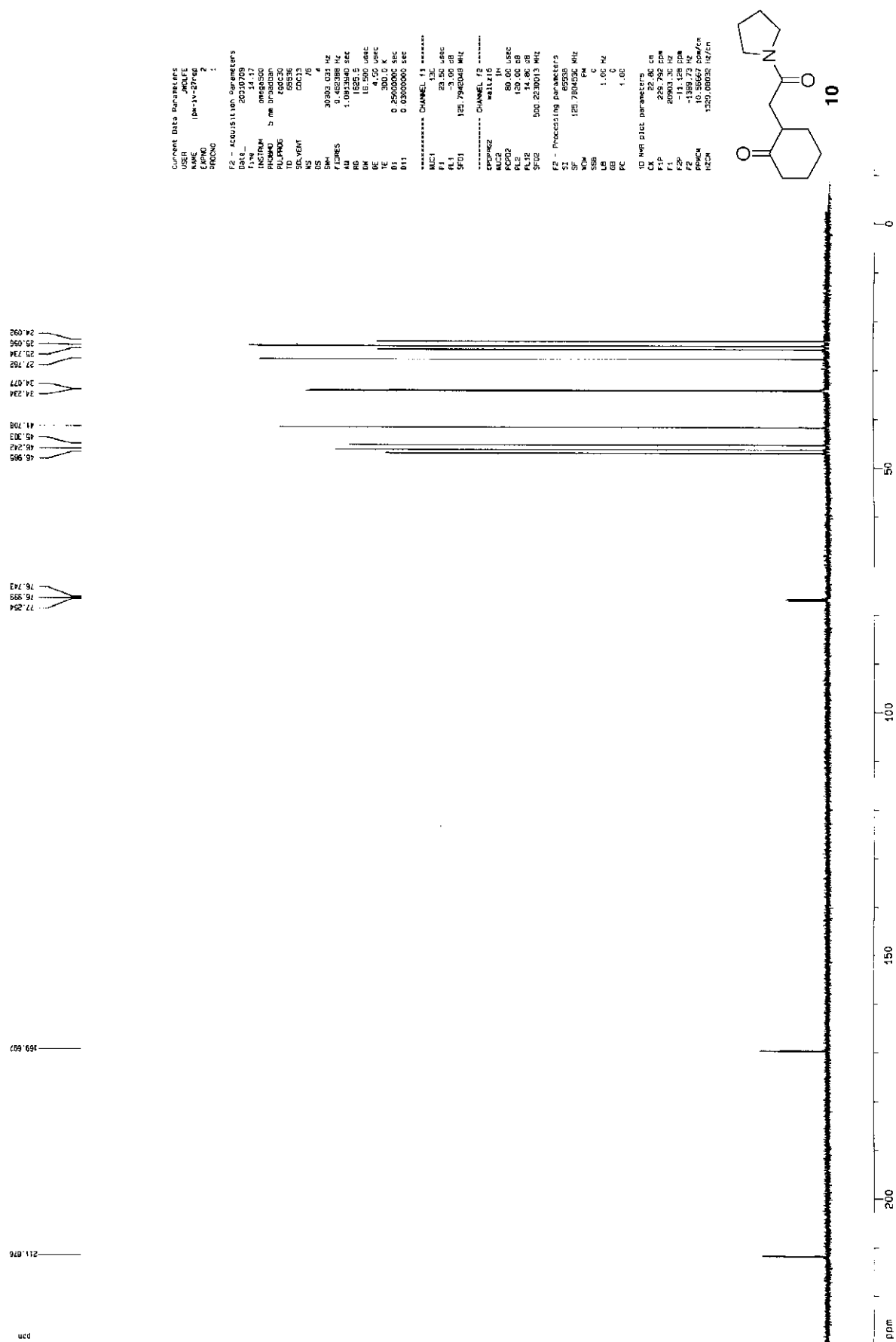


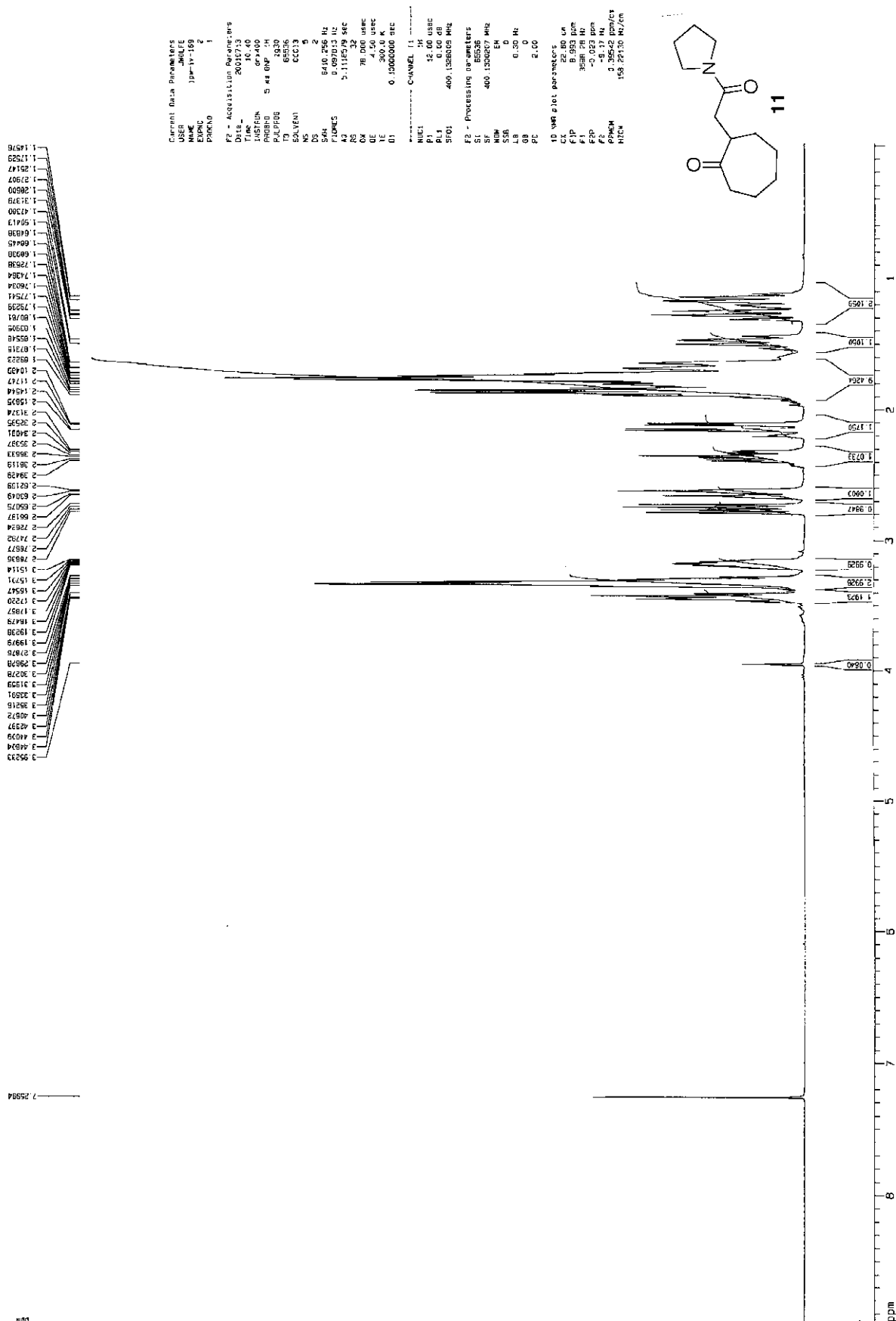
1H spectrum







¹³C spectrum with ¹H decoupling



¹³C spectrum with ¹H decoupling

Current Data Parameters
 USER JMOLE
 NAME 19m-14-109
 EXPNO 5
 PROCNO 1

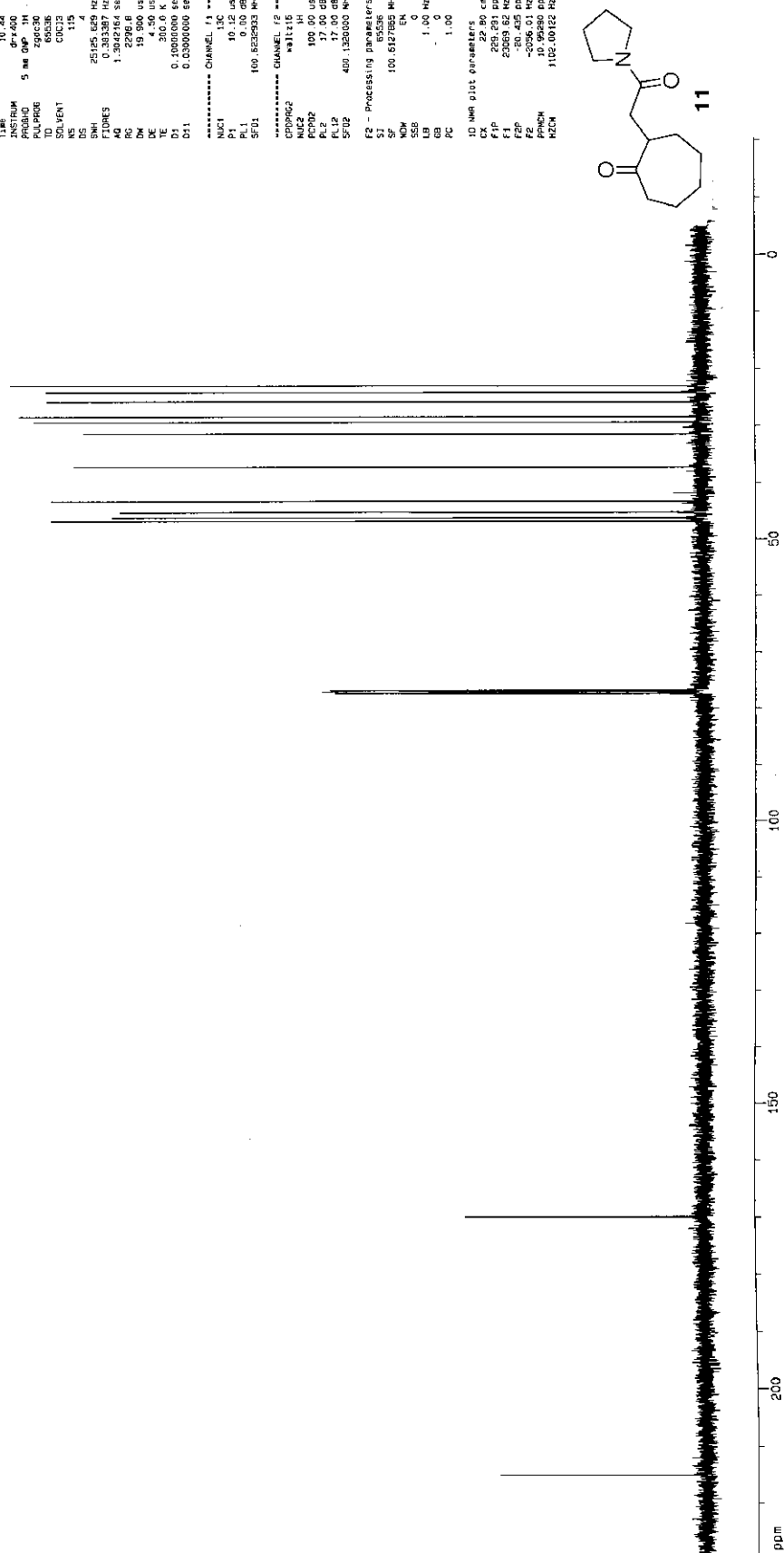
F2 - Acquisition Parameters
 Date_ 20060113
 Time 10.41
 INSTRUM spect
 PROBHD 5 mm QNP 1H
 PULPROG zgpg30
 TD 65536
 SFO1 500.136000 MHz
 SOLVENT CDCl3
 NS 115
 DS 4
 SWH 25145.025 Hz
 FWHM 1.362 Hz
 AQ 1.362164 sec
 RG 2298.6
 DM 19.900 usec
 DE 4.50 usec
 TE 300.2 K
 D1 0.10000000 sec
 D11 0.03000000 sec

===== CHANNEL f1 =====
 NUC1 13C
 P1 10.12 usec
 PL1 0.00 dB
 SFO1 100.625000 MHz

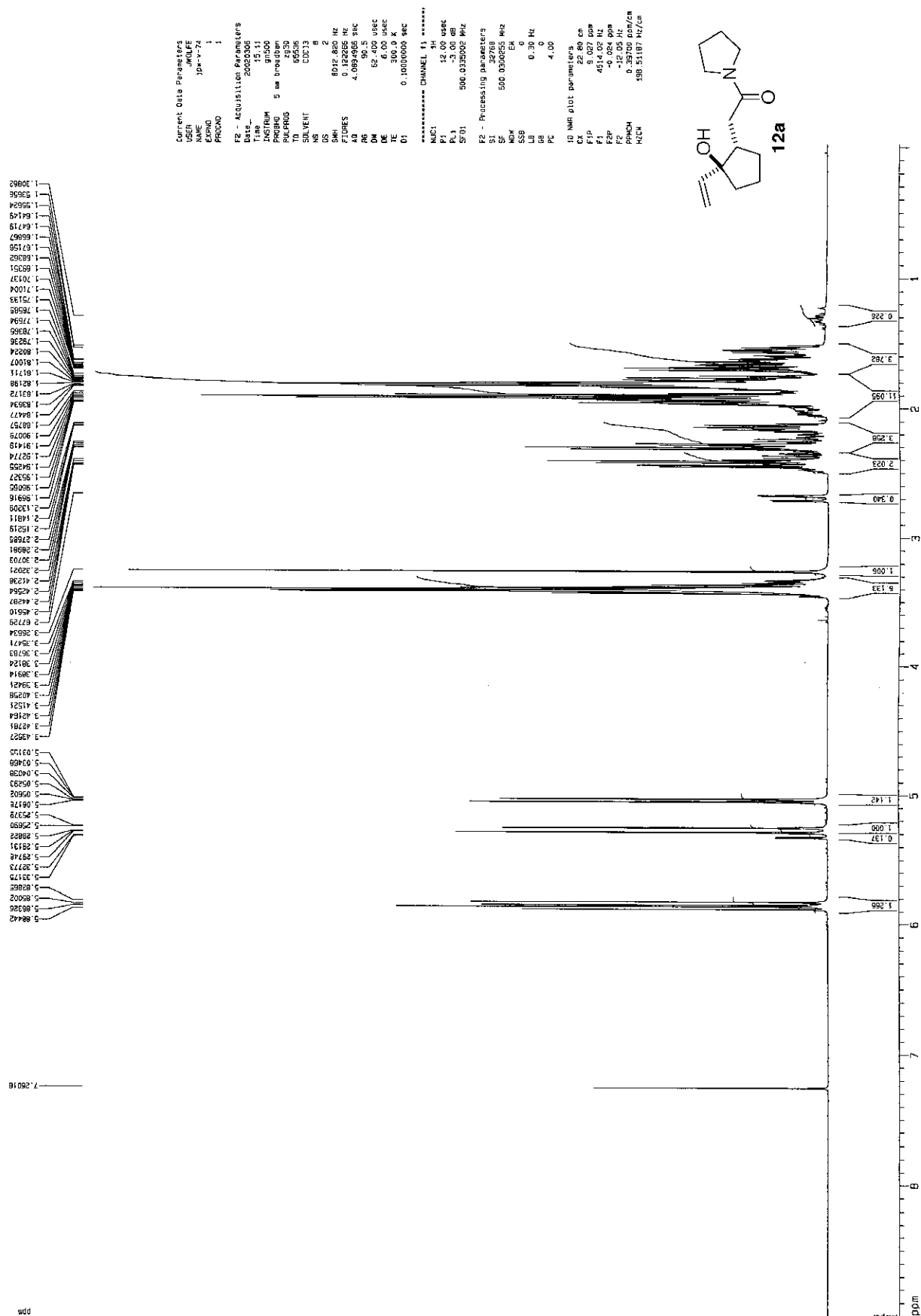
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 P2 190.00 usec
 PL2 1.00 dB
 PL12 17.00 dB
 SFO2 400.143000 MHz

F2 - Processing parameters
 SI 32768
 SF 100.625000 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.00

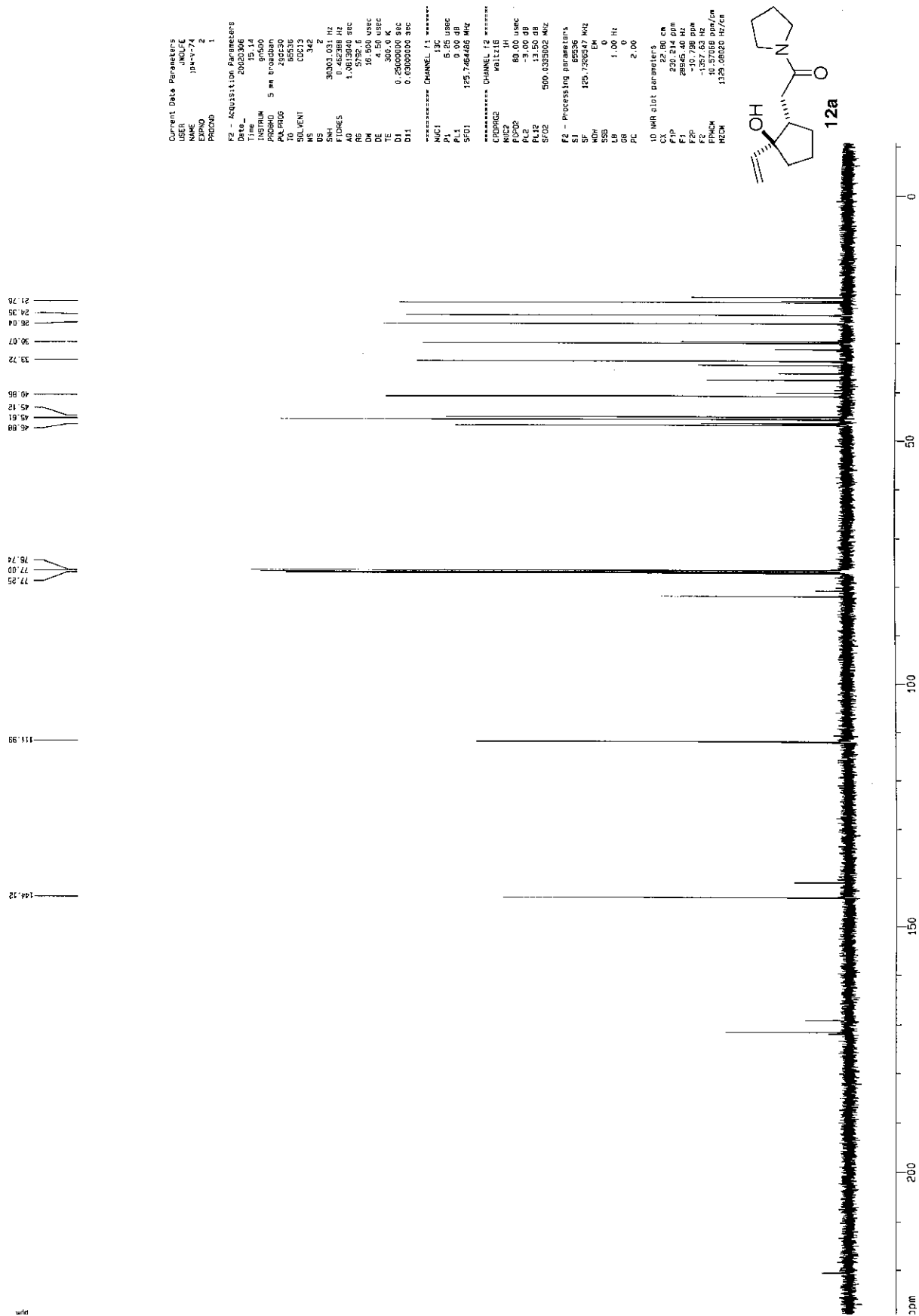
1D NMR plot parameters
 C1 200.00 usec
 F1 200.201 usec
 F1 23069.62 Hz
 F2 180.435 usec
 F2 2058.01 Hz
 SFO 100.625000 MHz
 K2CM 1102.00182 Hz/cm

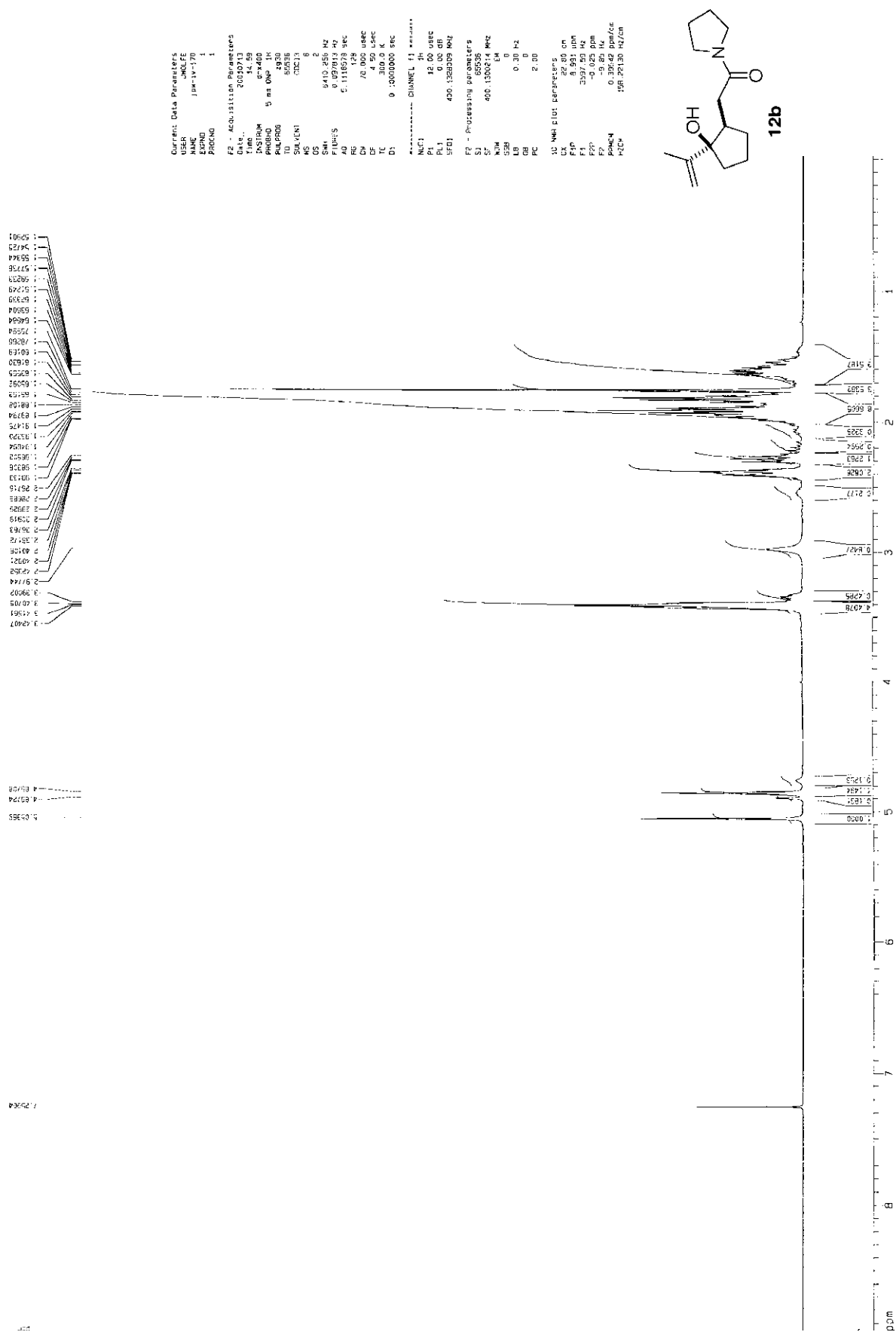


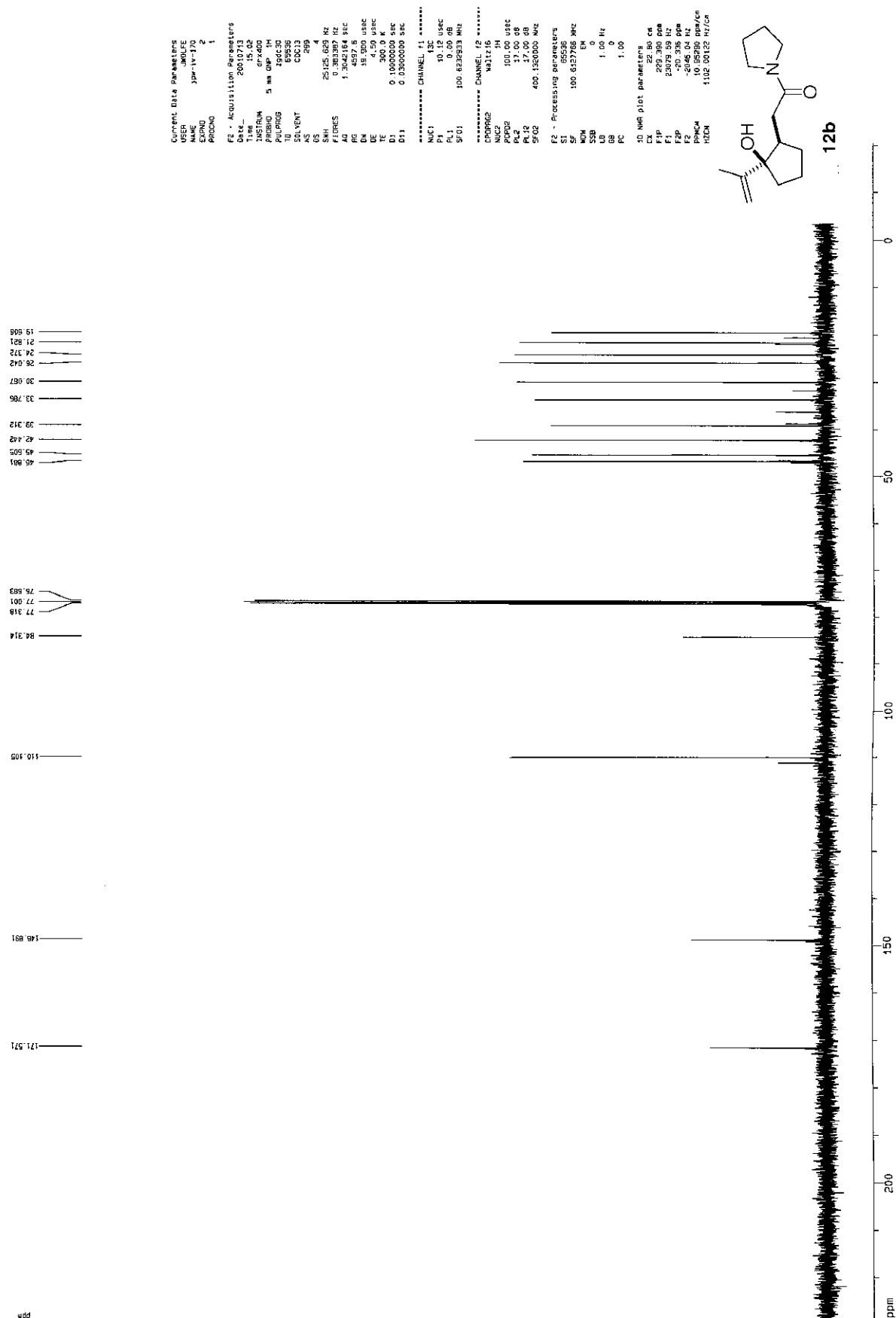
1H spectrum

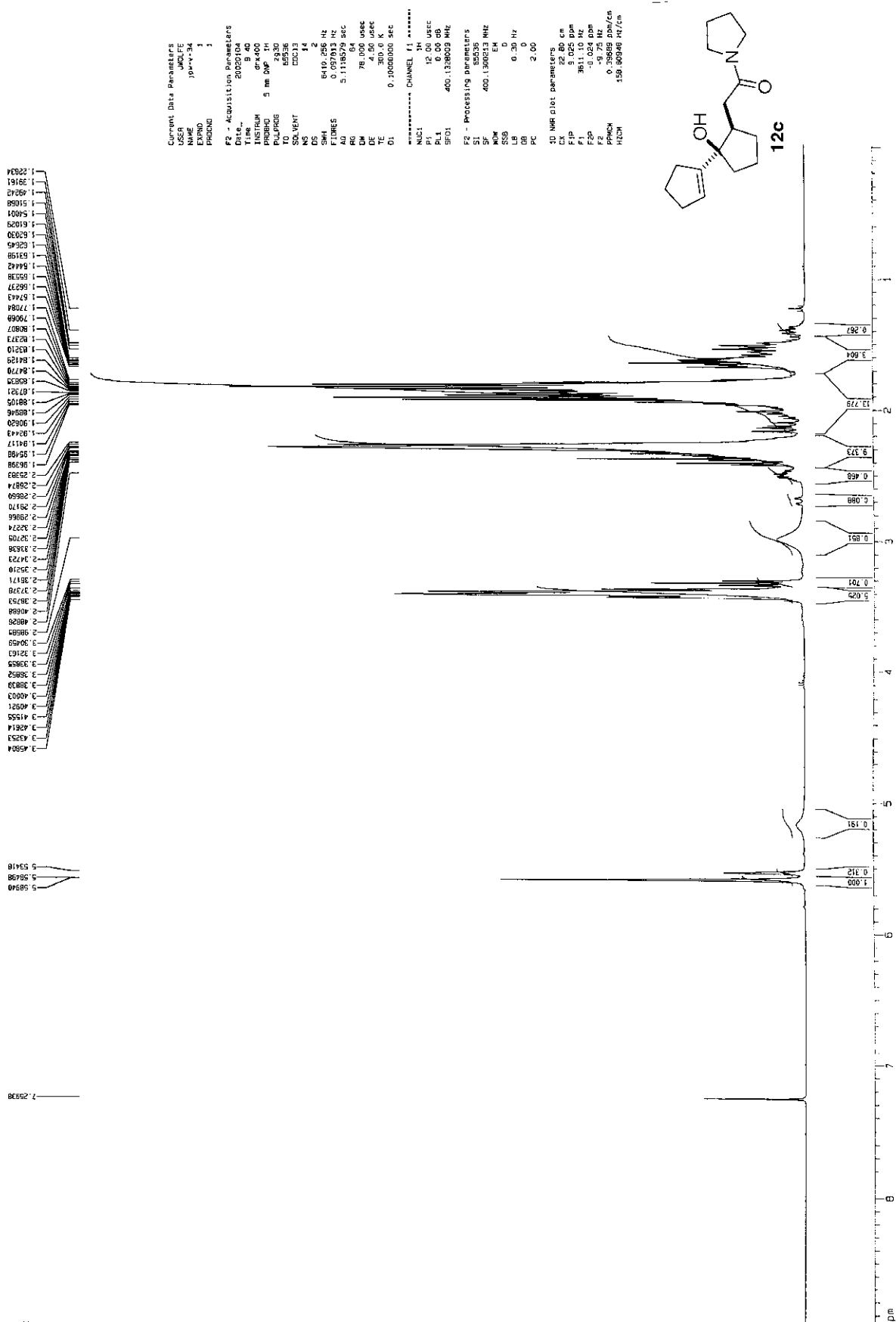


¹³C spectrum with ¹H decoupling

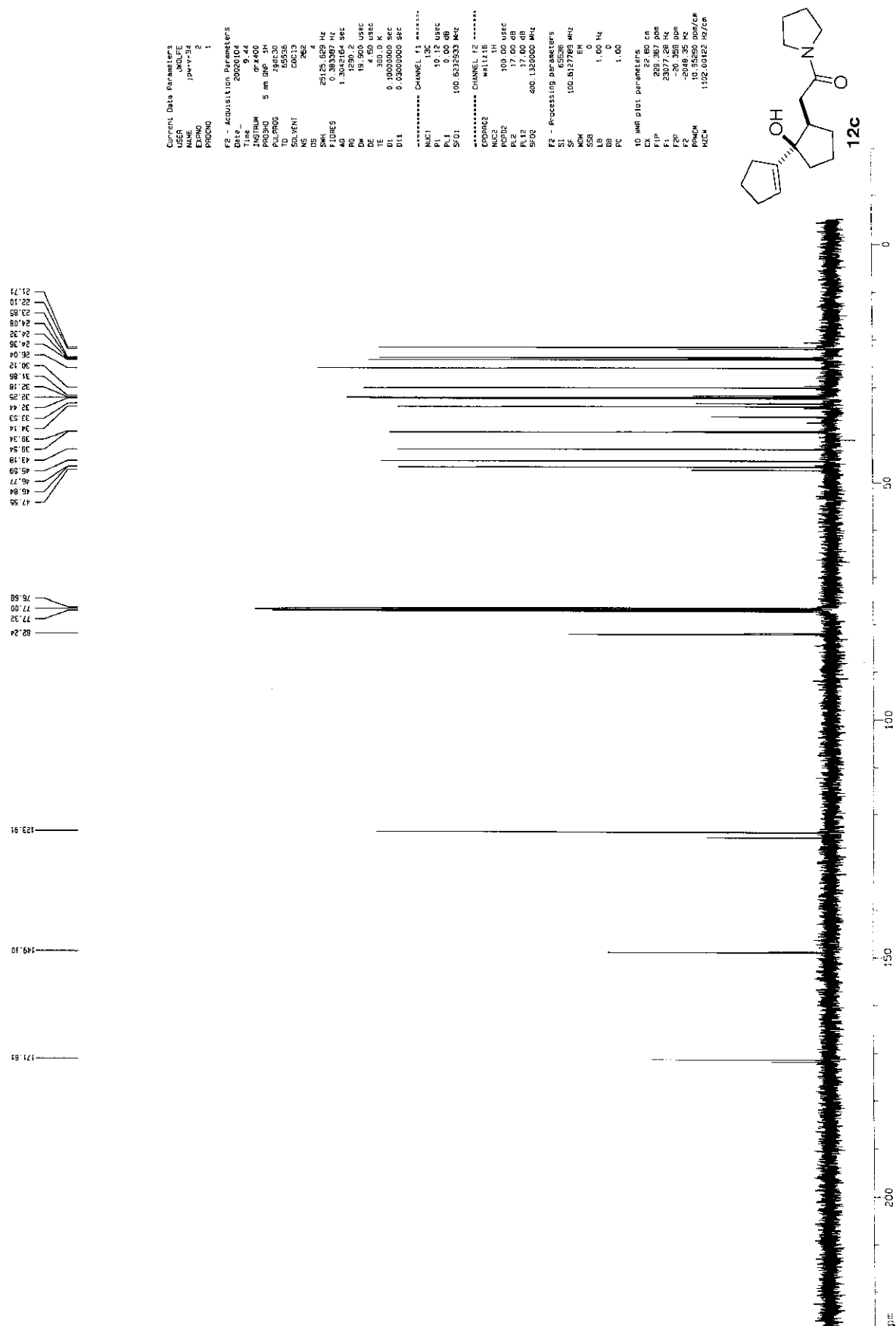


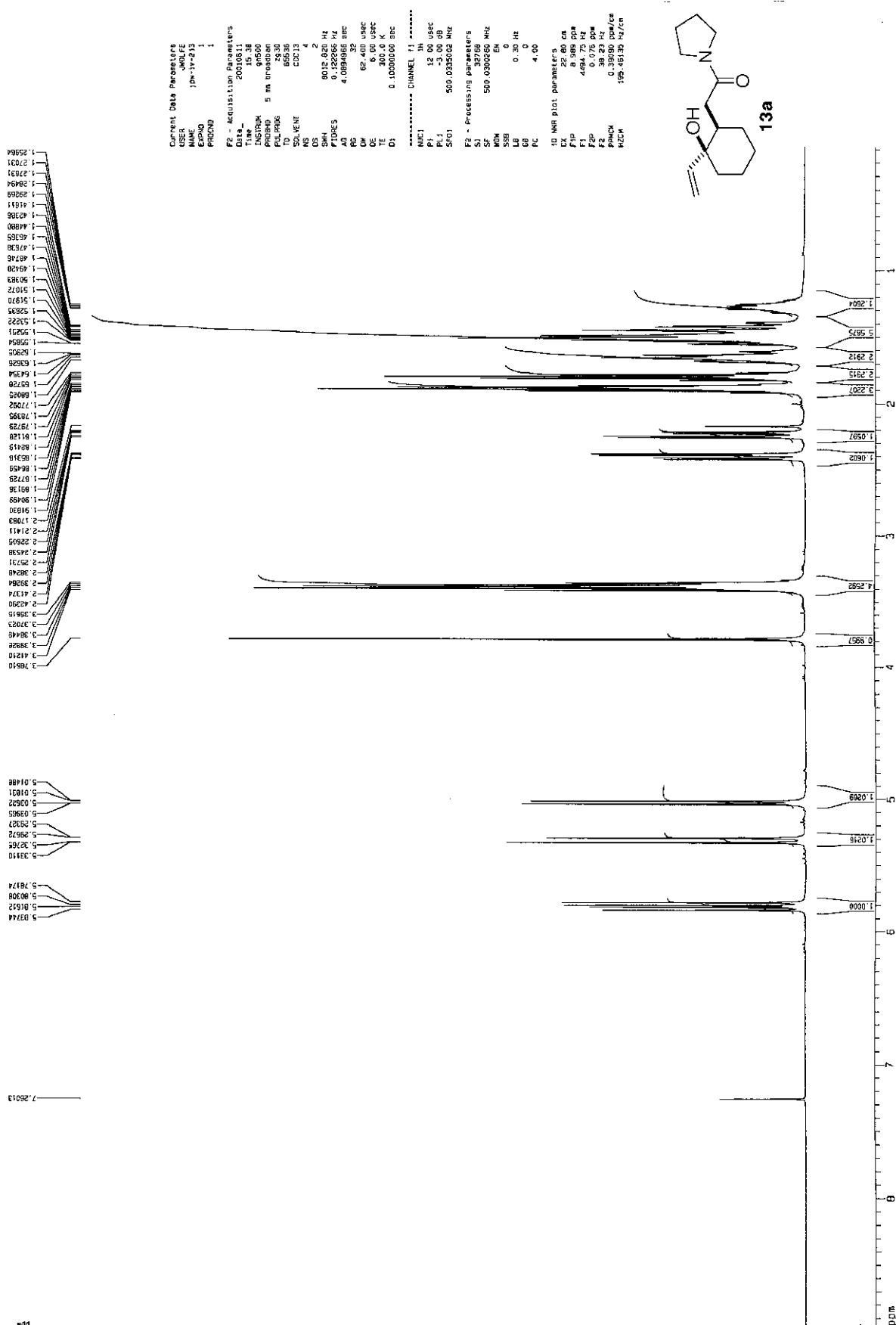


¹³C spectrum with ¹H decoupling

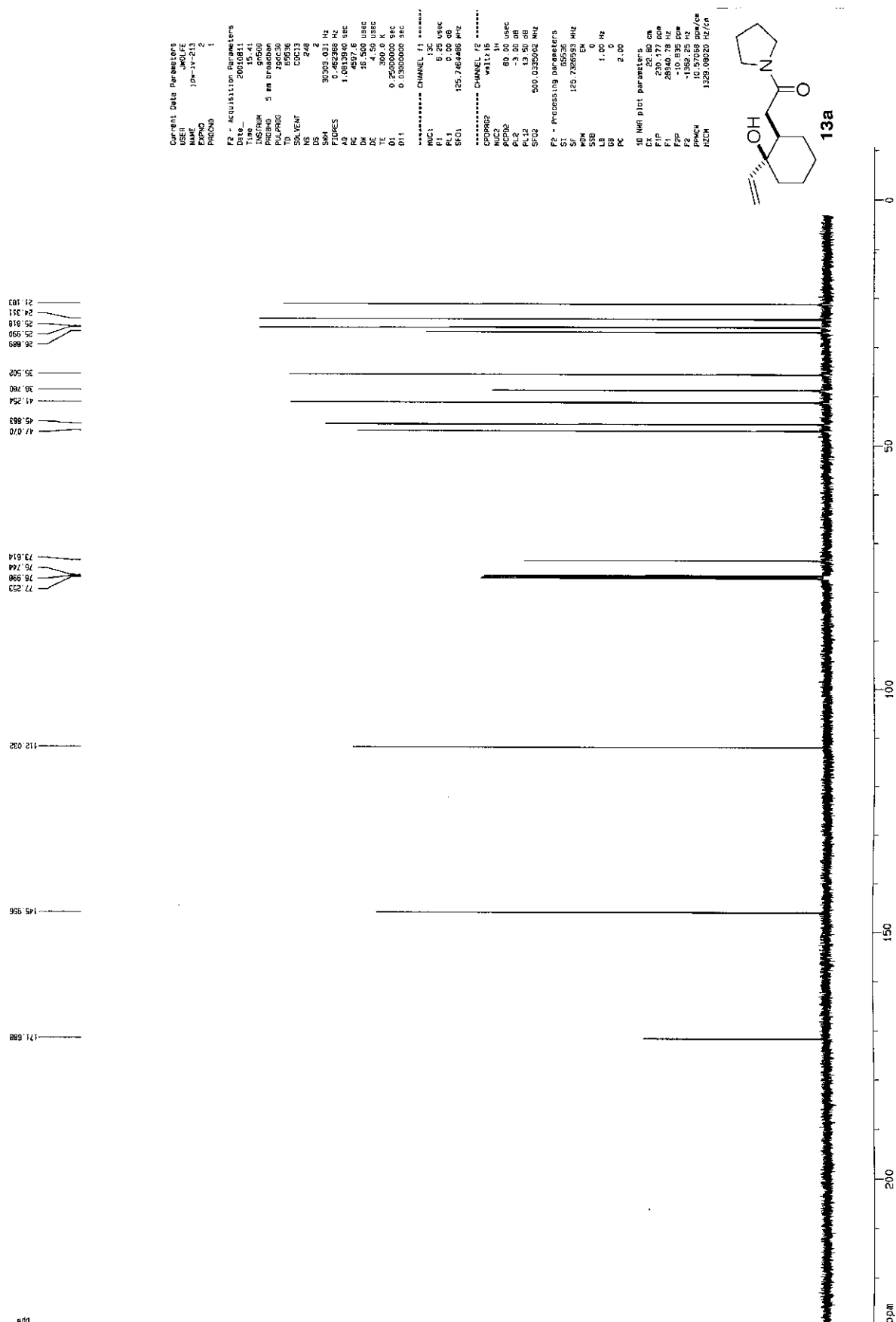


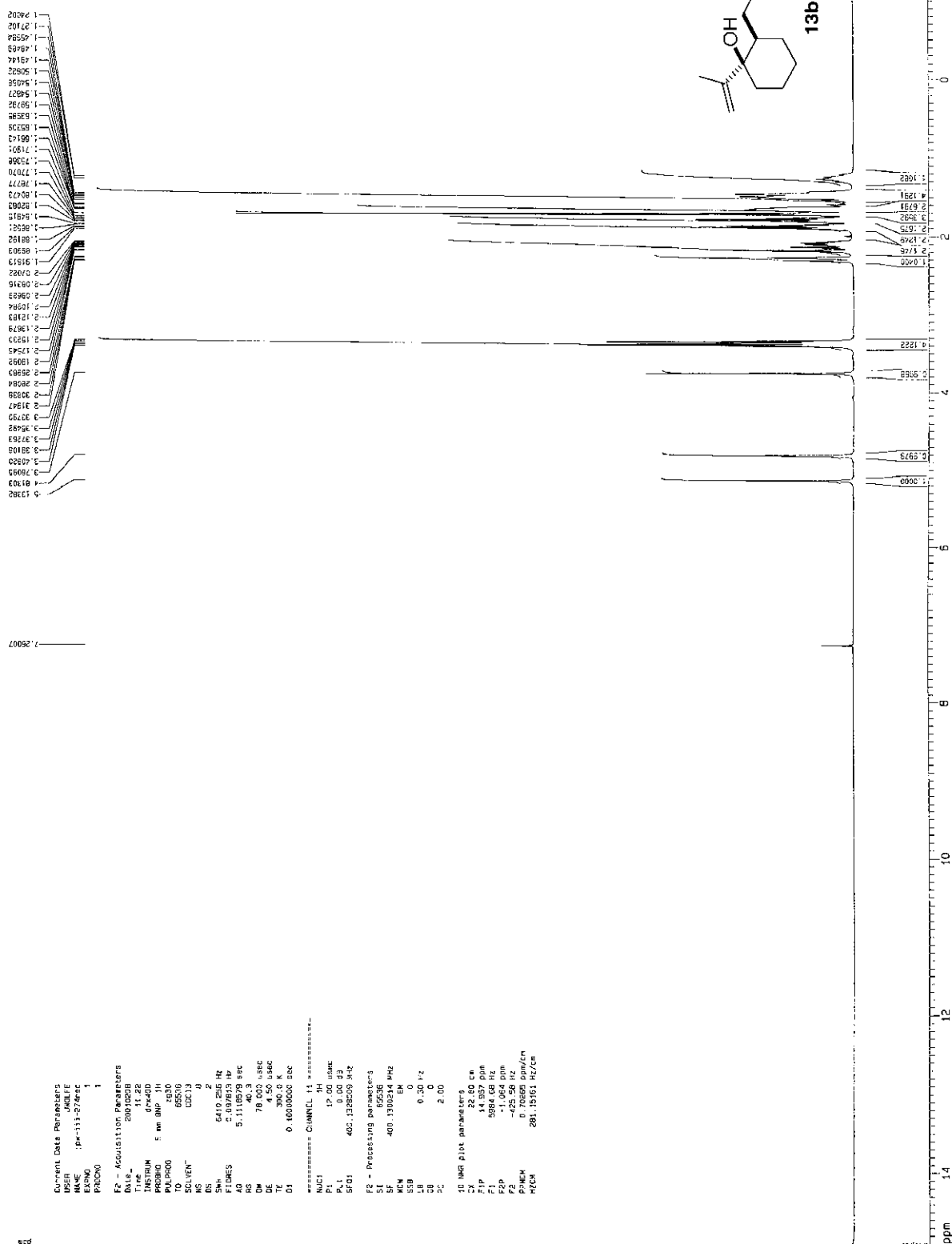
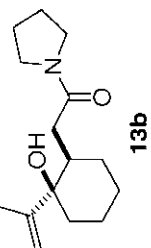
¹³C spectrum with ¹H decoupling





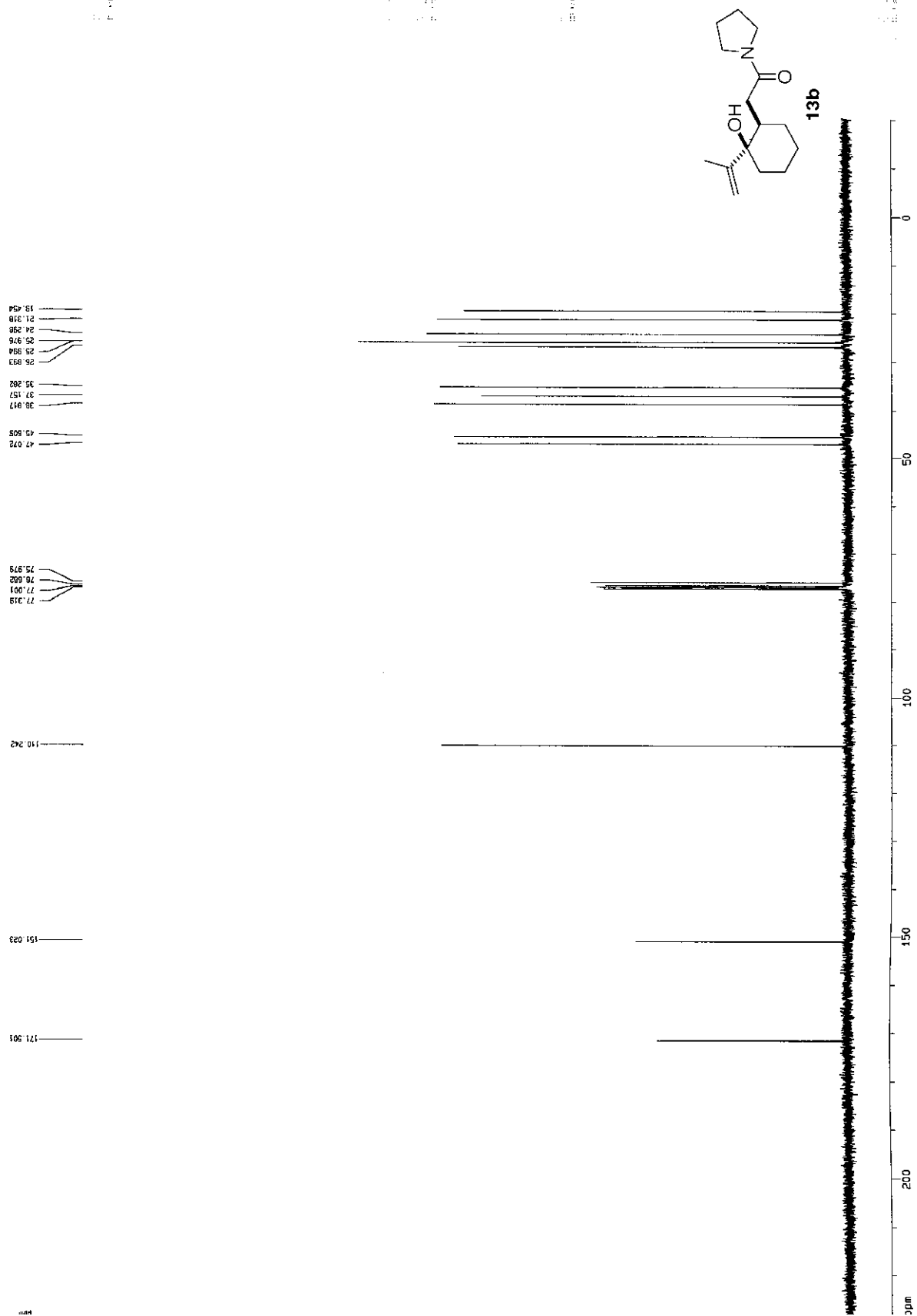
¹³C spectrum with ¹H decoupling





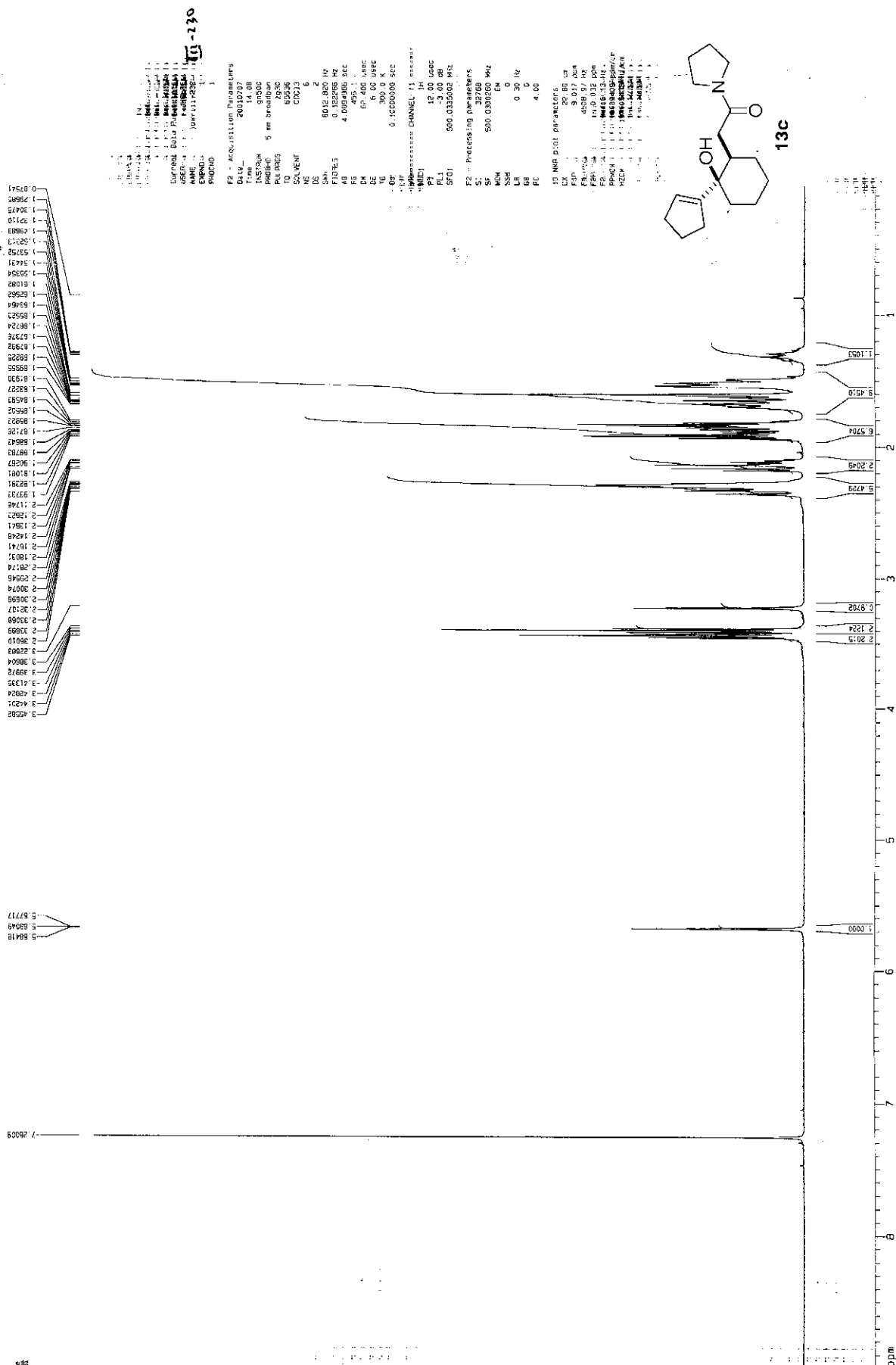
Current Data Parameter	JAULE	JAULE	JAULE
NAME	IP=11-27sec	1	1
F2 - Acquisition Parameters			
DATE	20010202		
TIME	07:40:40		
INSTRUM	IP=11-27sec		
PROBHD	14310		
TO	65500		
FROM	65500		
RENT	65500		
EN	2		
ES	2		
MS	6410		
MS	2.01613		
PROBHD	5.11111		
TO	40.3		
FROM	78		
RENT	4.50		
EN	2		
ES	2		
MS	0.10000000		
===== CHANNEL 11 =====			
NAME	12		
INSTRUM	11		
PROBHD	11		
TO	602		
FROM	1338200		
RENT	65500		
EN	2		
ES	2		
MS	6410		
MS	2.01613		
PROBHD	5.11111		
TO	40.3		
FROM	78		
RENT	4.50		
EN	2		
ES	2		
MS	0.10000000		
===== CHANNEL 12 =====			
NAME	12		
INSTRUM	11		
PROBHD	11		
TO	602		
FROM	1338200		
RENT	65500		
EN	2		
ES	2		
MS	6410		
MS	2.01613		
PROBHD	5.11111		
TO	40.3		
FROM	78		
RENT	4.50		
EN	2		
ES	2		
MS	0.10000000		
===== CHANNEL 13 =====			
NAME	12		
INSTRUM	11		
PROBHD	11		
TO	602		
FROM	1338200		
RENT	65500		
EN	2		
ES	2		
MS	6410		
MS	2.01613		
PROBHD	5.11111		
TO	40.3		
FROM	78		
RENT	4.50		
EN	2		
ES	2		
MS	0.10000000		
===== CHANNEL 14 =====			
NAME	12		
INSTRUM	11		
PROBHD	11		
TO	602		
FROM	1338200		
RENT	65500		
EN	2		
ES	2		
MS	6410		
MS	2.01613		
PROBHD	5.11111		
TO	40.3		
FROM	78		
RENT	4.50		
EN	2		
ES	2		
MS	0.10000000		
===== CHANNEL 15 =====			
NAME	12		
INSTRUM	11		
PROBHD	11		
TO	602		
FROM	1338200		
RENT	65500		
EN	2		
ES	2		
MS	6410		
MS	2.01613		
PROBHD	5.11111		
TO	40.3		
FROM	78		
RENT	4.50		
EN	2		
ES	2		
MS	0.10000000		
===== CHANNEL 16 =====			
NAME	12		
INSTRUM	11		
PROBHD	11		
TO	602		
FROM	1338200		
RENT	65500		
EN	2		
ES	2		
MS	6410		

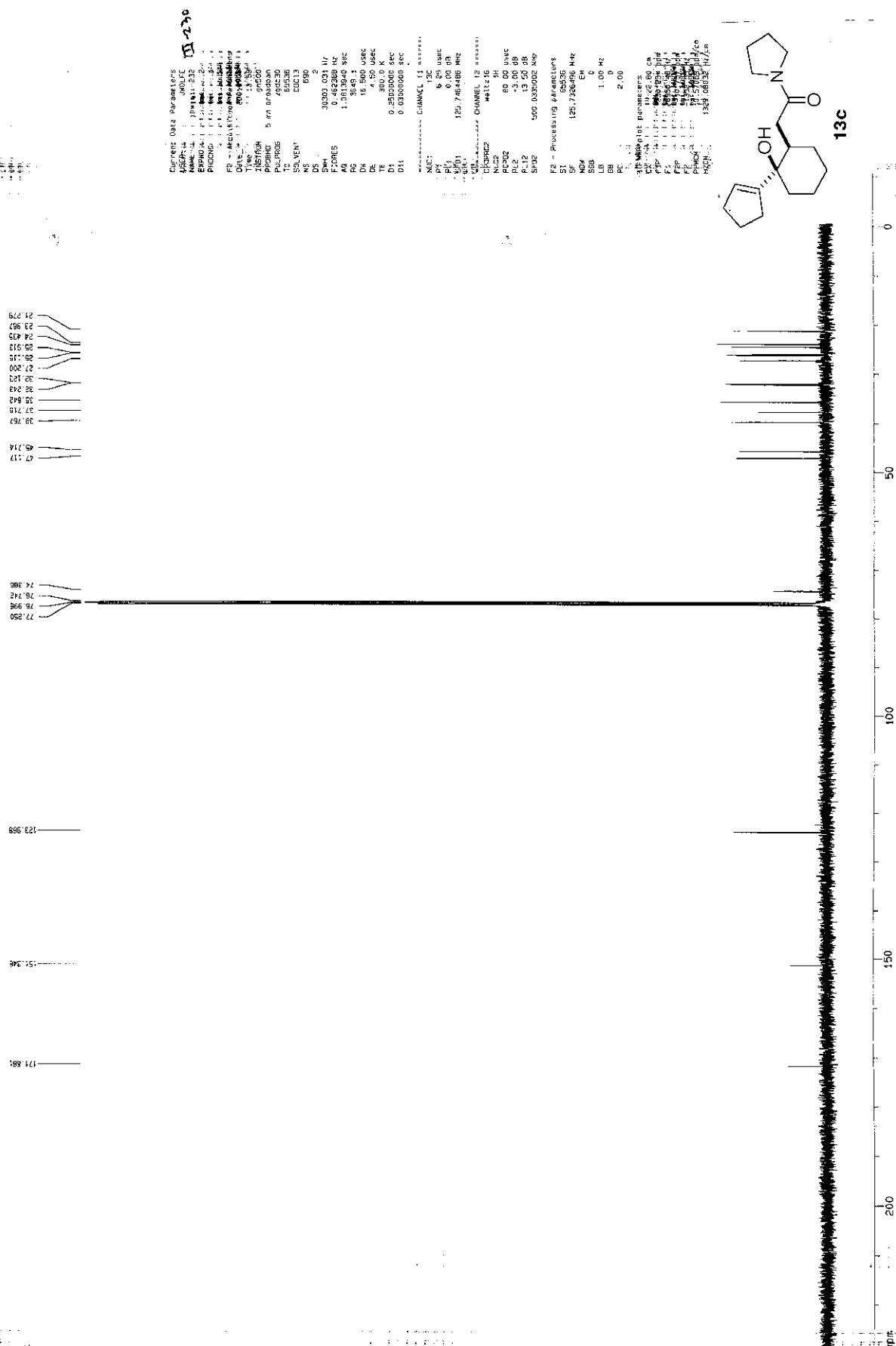
13C spectrum with 1H decoupling

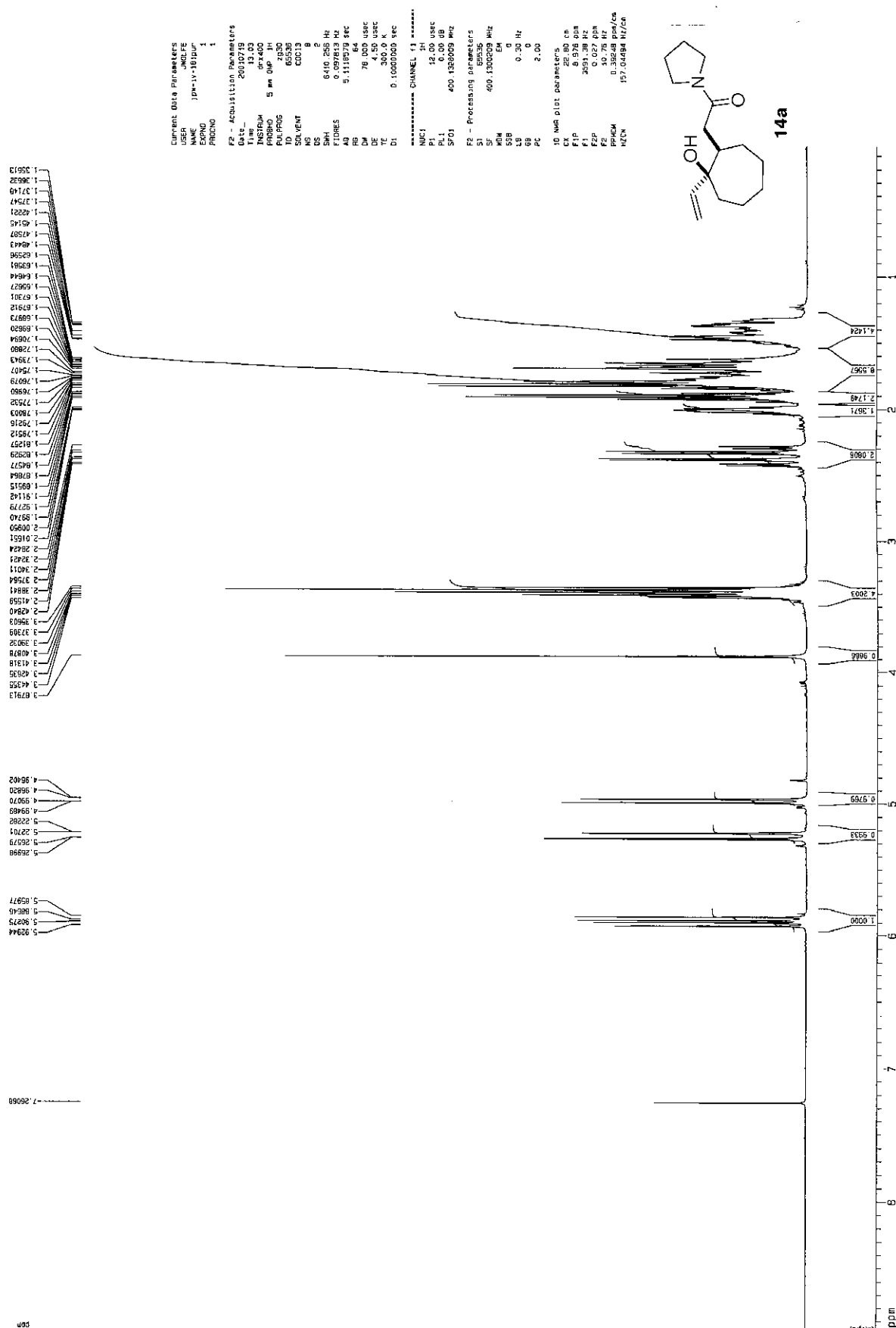


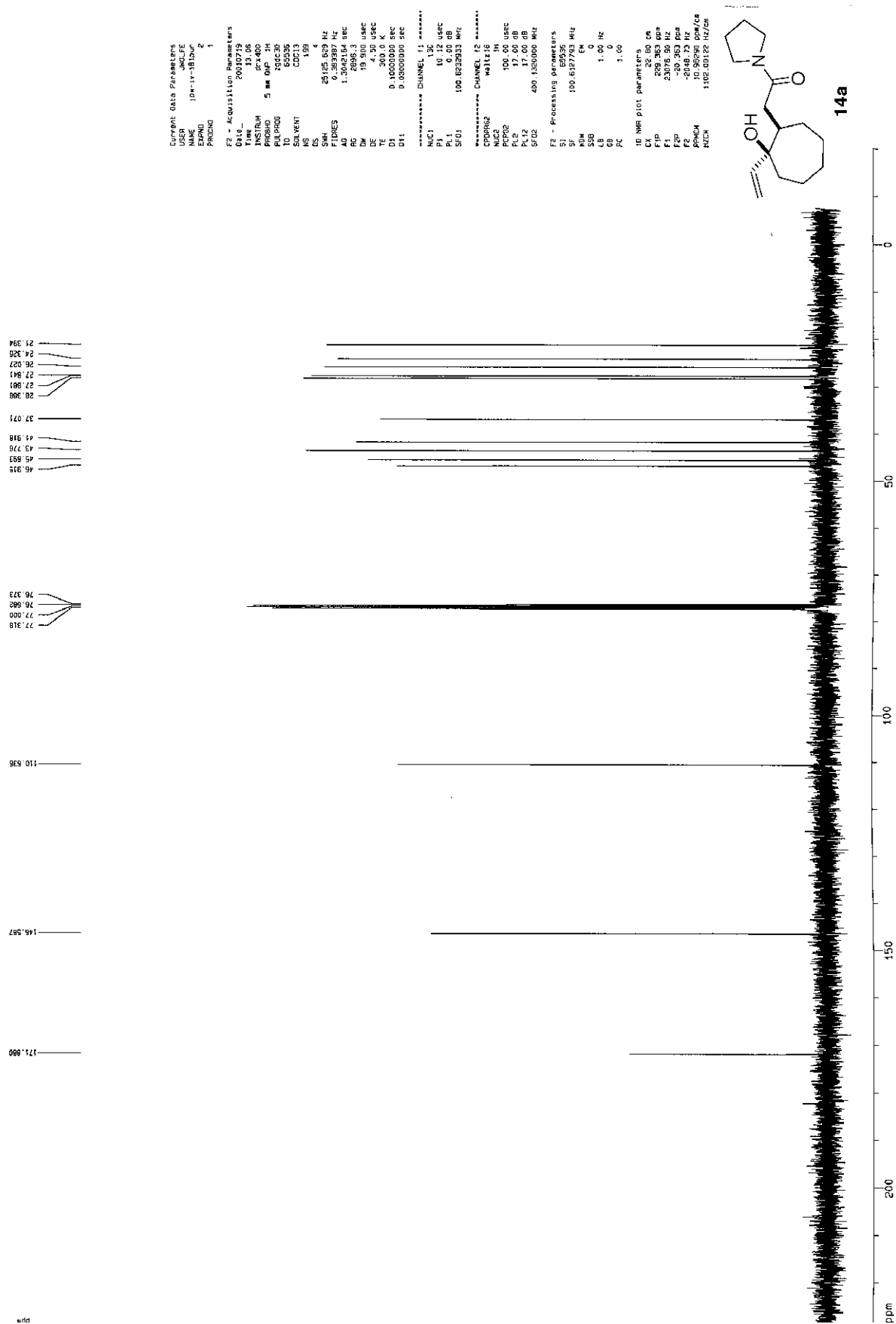
1H spectrum

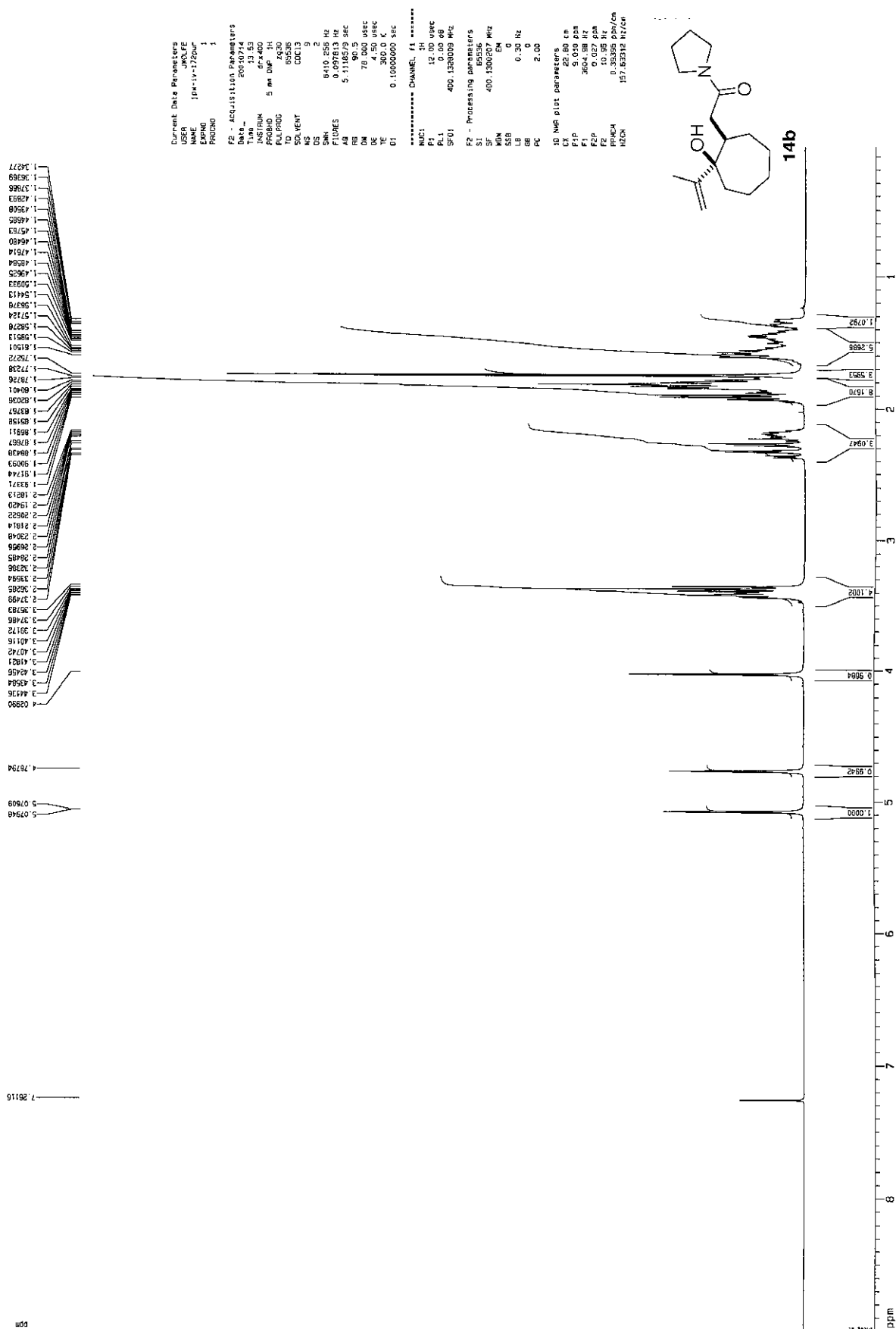
a1

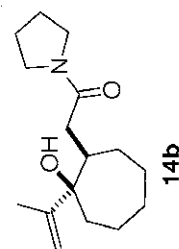
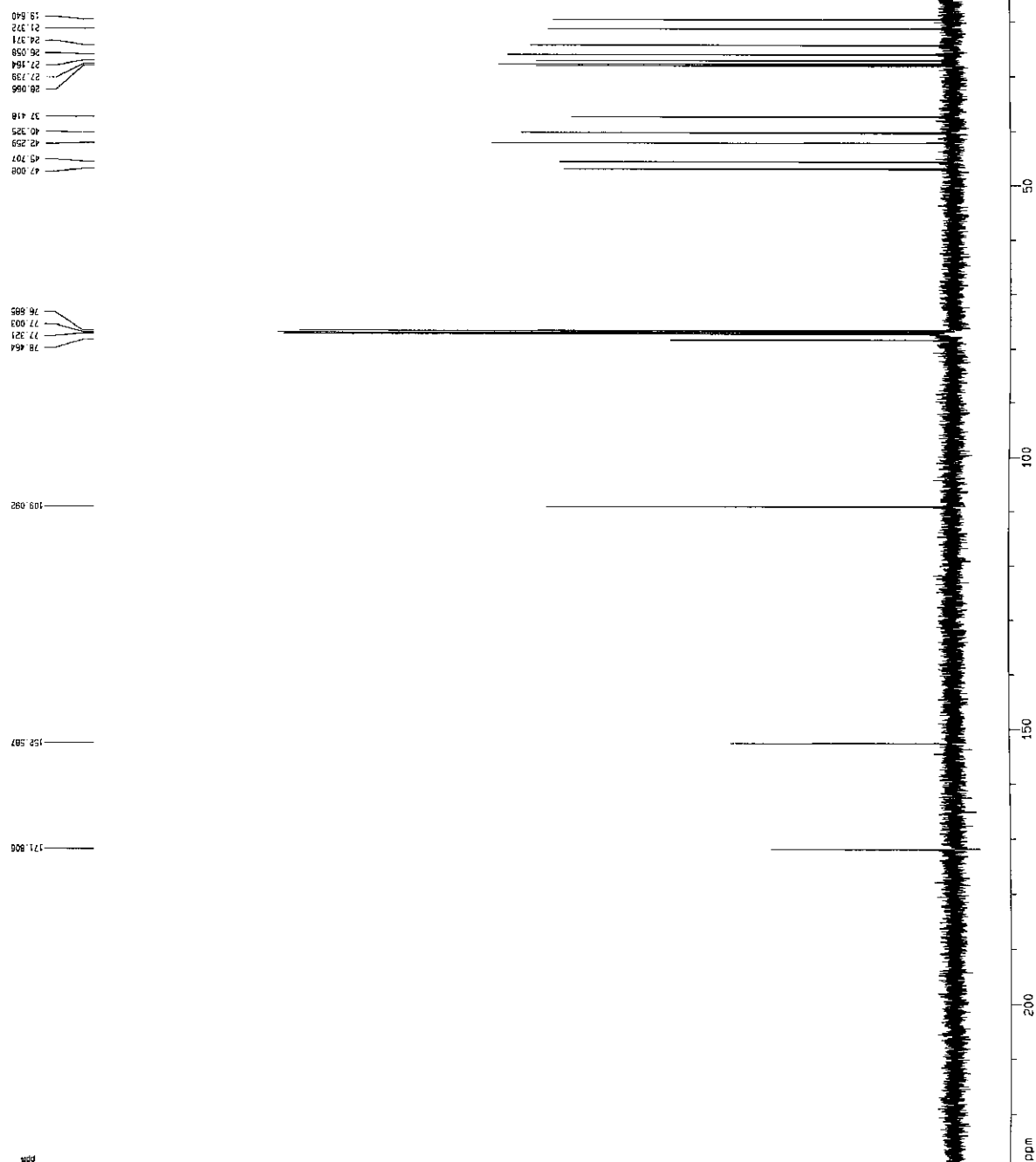


¹³C spectrum with ¹H decoupling

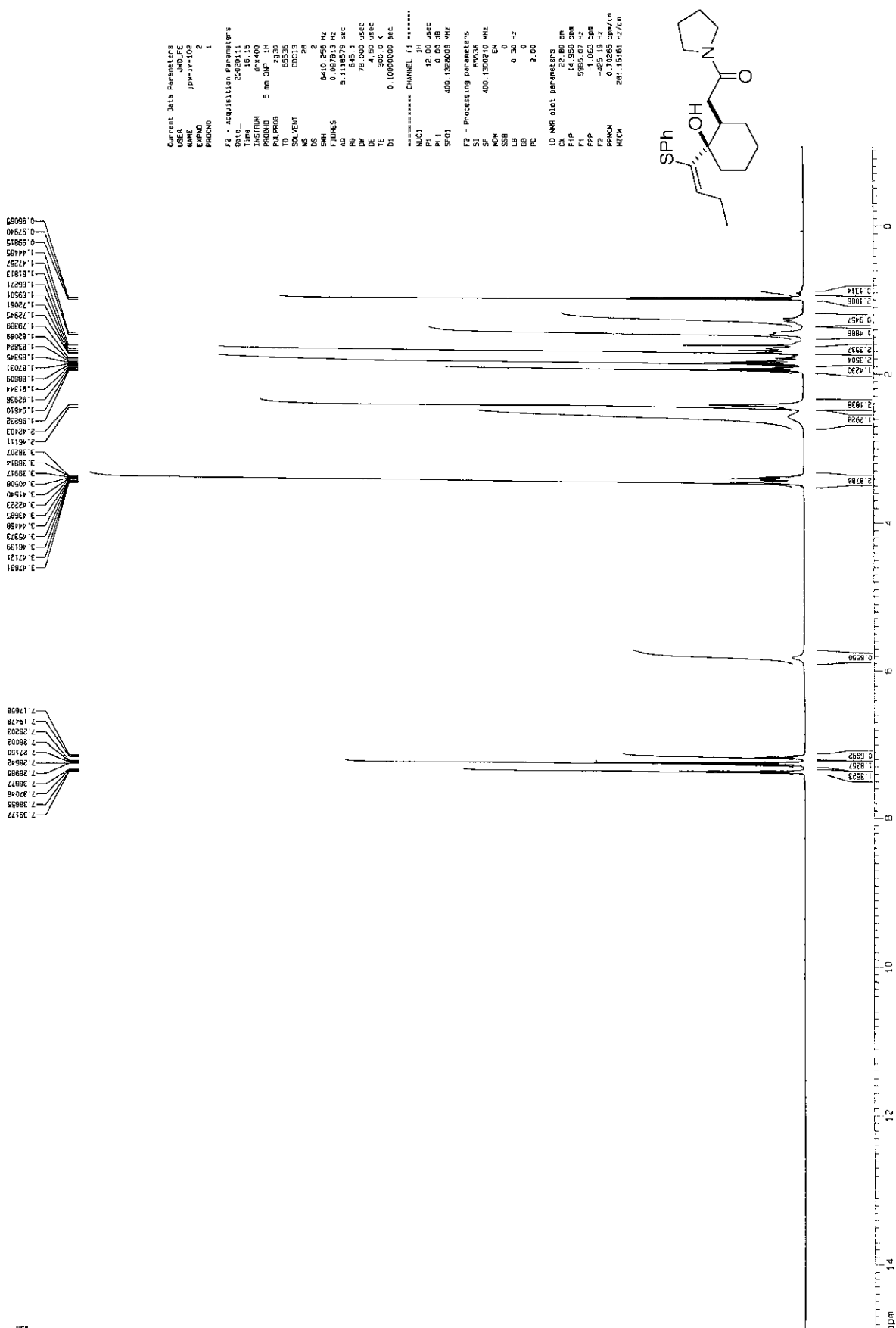


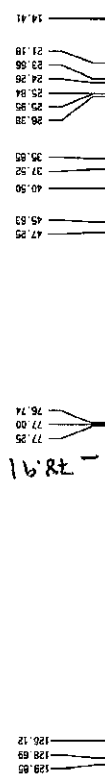
¹³C spectrum with ¹H decoupling



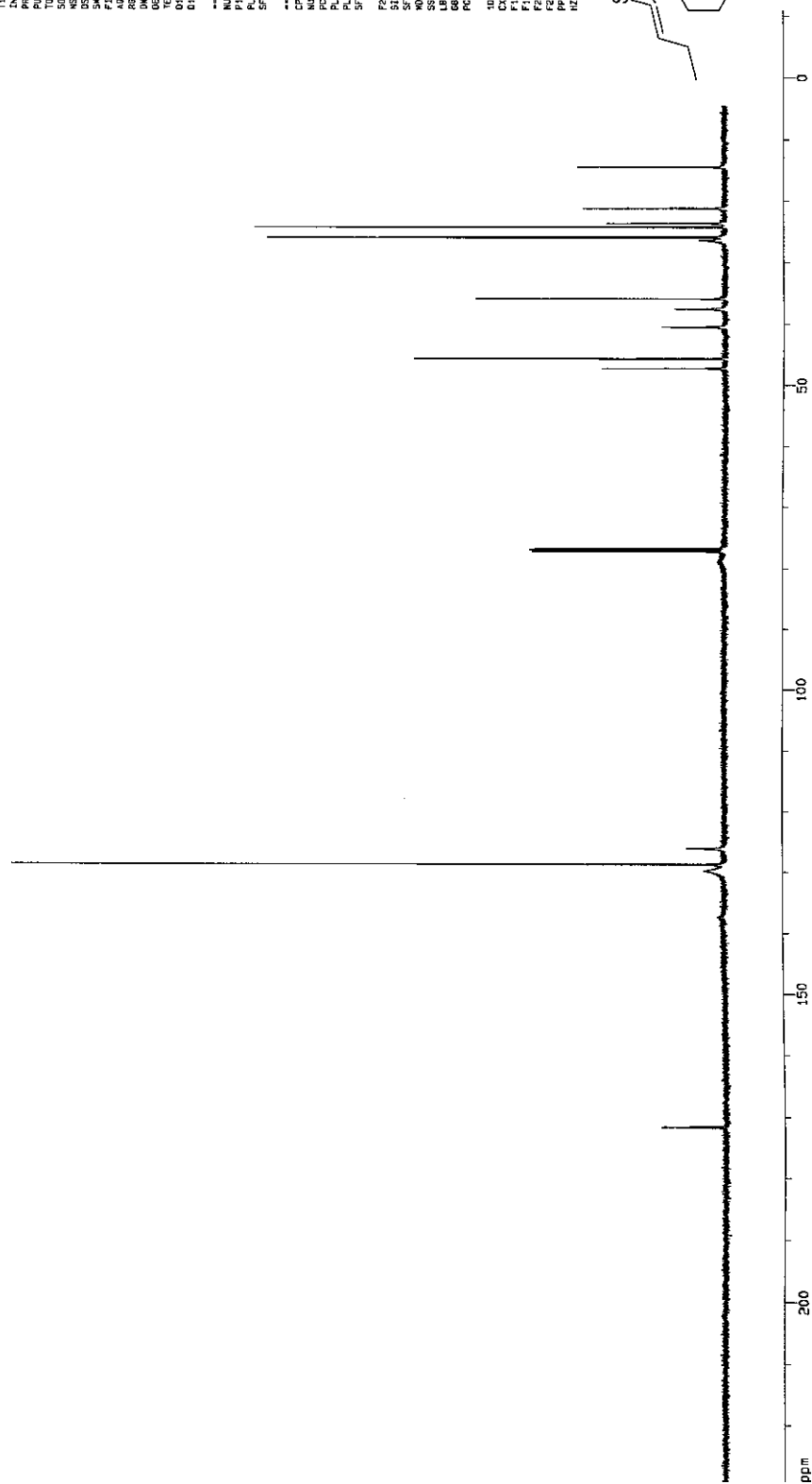
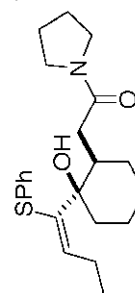
¹³C spectrum with ¹H decoupling

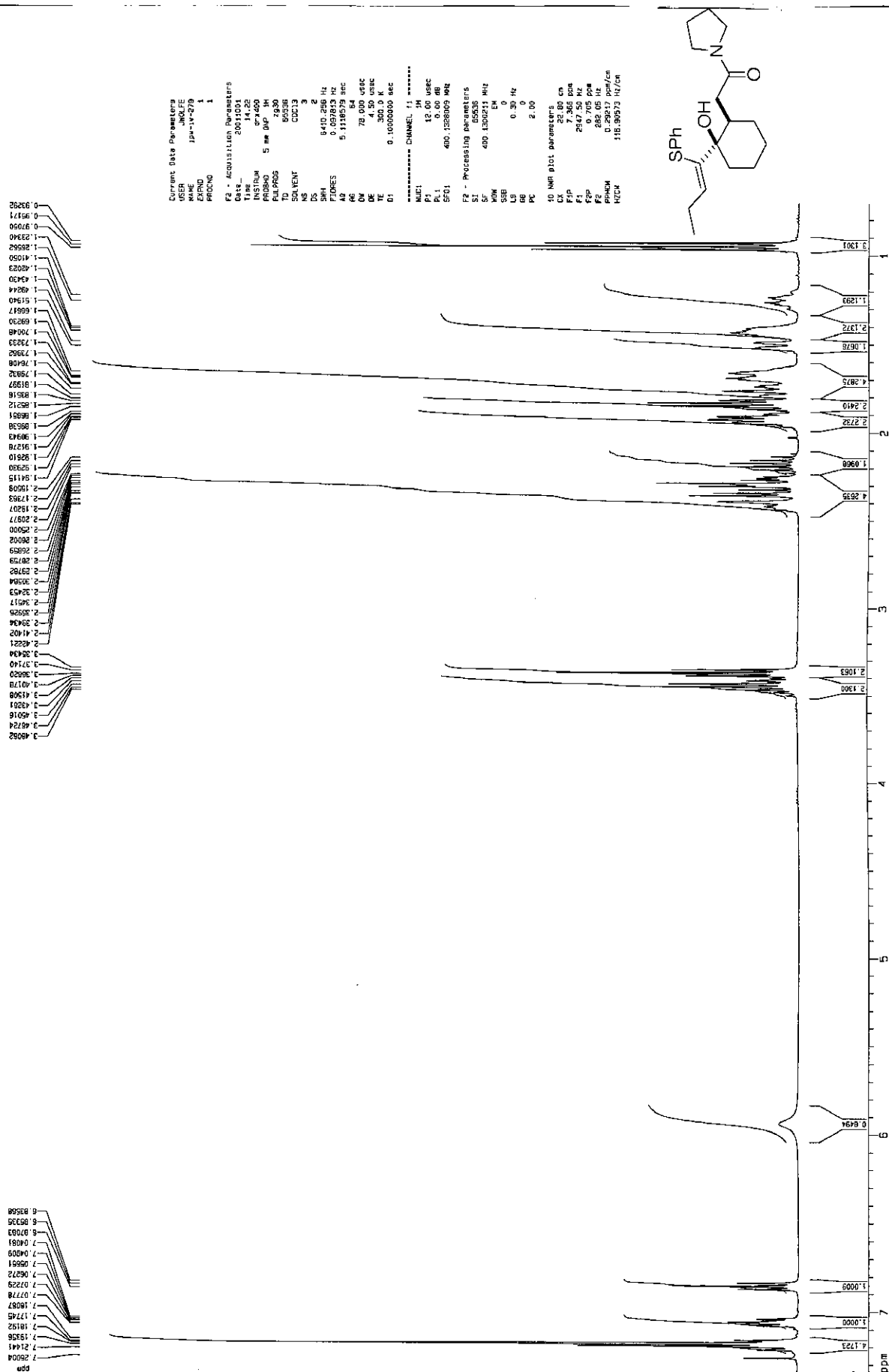
Current Data Parameters
 VENDOR VARIANTE
 ACQNO 10w-14-173000
 EXPNO 2
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20101214
 Time 13.58
 INSTRUM spect
 PULPROG zgpg30
 PROBRD 5 mm QNP 1H
 ALPROG zgpg30
 TO 65536
 SOLVENT CDCl3
 NS 450
 DS 4
 SWH 24129.628 Hz
 FIDRES 0.383387 Hz
 AQ 1.3042164 sec
 RG 4897.5
 RE 18.100158 sec
 DE 1.000000 sec
 TE 300.2 K
 D1 0.1000000 sec
 D11 0.0300000 sec
 ***** CHANNEL f1 *****
 NUC1 13C
 P1 10.12 usec
 PL1 0.00 dB
 SF01 100.626033 MHz
 ***** CHANNEL f2 *****
 CDPRG2 zgpg30
 NUC2 1H
 P2 10.00 usec
 PL2 17.00 dB
 SF02 400.132000 MHz
 F2 - Processing parameters
 S1 65536
 SF 100.627762 MHz
 WDW EM
 SS 0
 LB 1.00 Hz
 GB 0
 PC 1.00
 1D NMR plot parameters
 CX 22.80 cm
 FJP 229.394 cm
 F1 23979.97 Hz
 F2 400.132000 MHz
 FWHM 204.85 Hz
 RNOH 10.95290 ppm/c
 HNOM 1102.00132 Hz/c



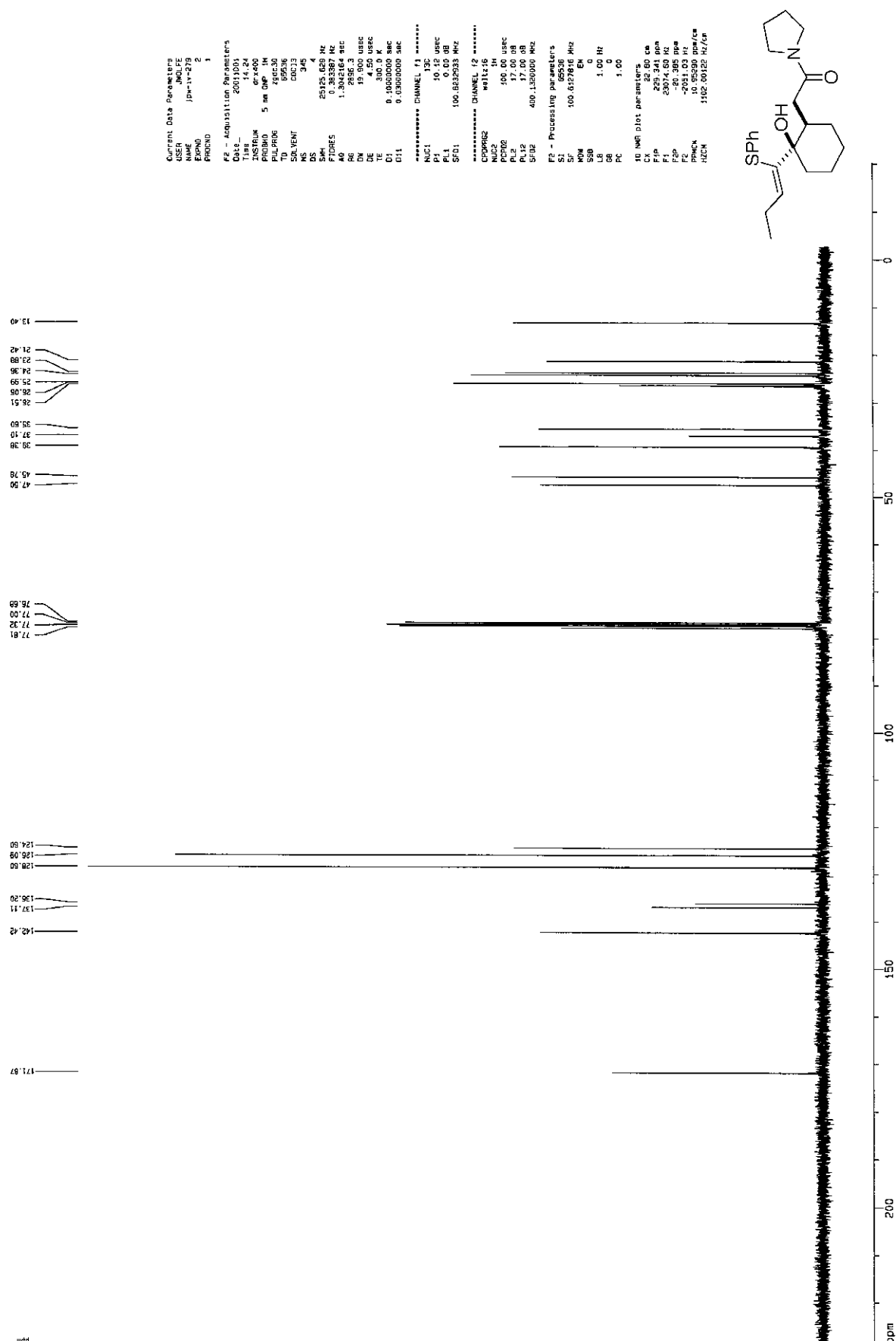


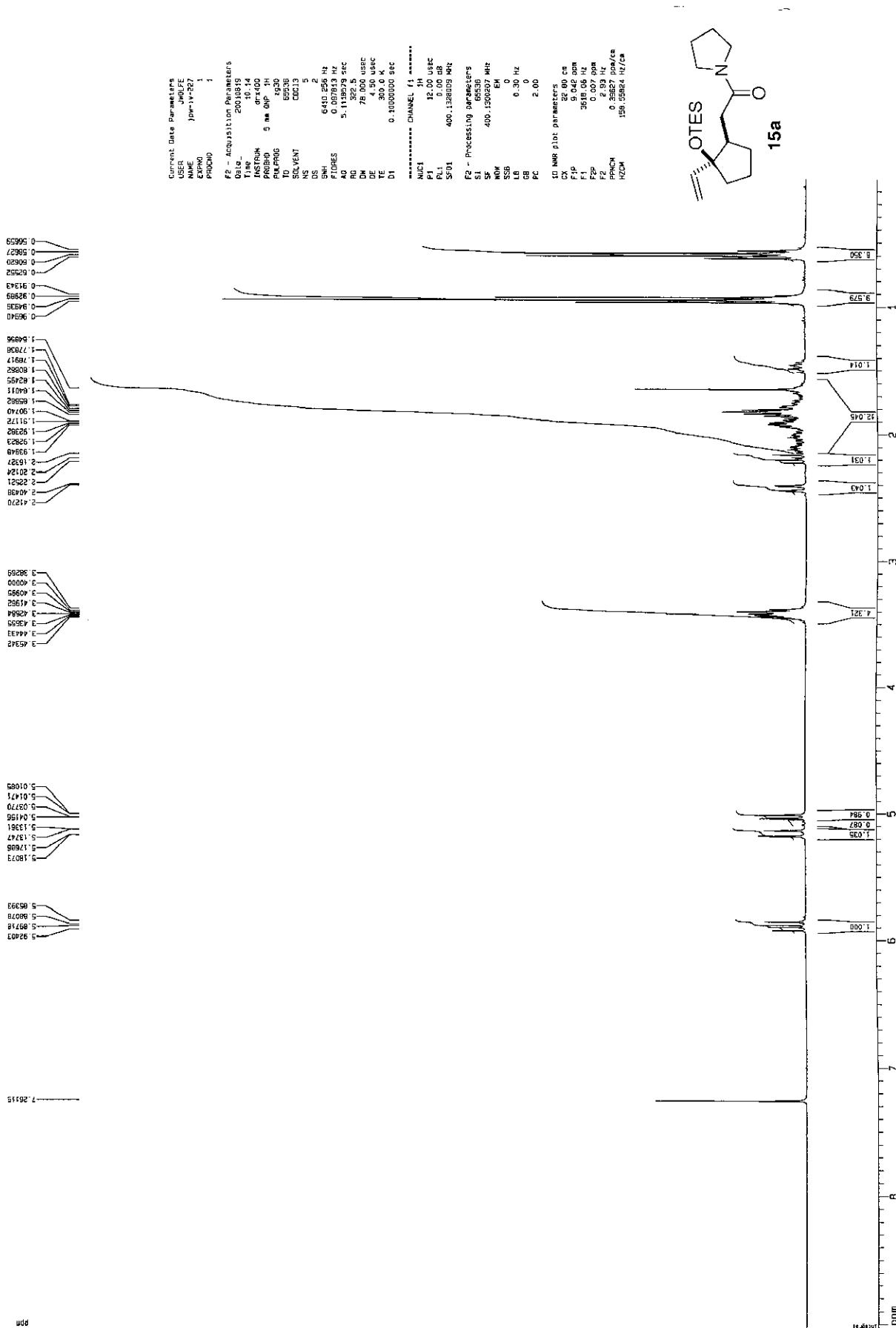
1682-

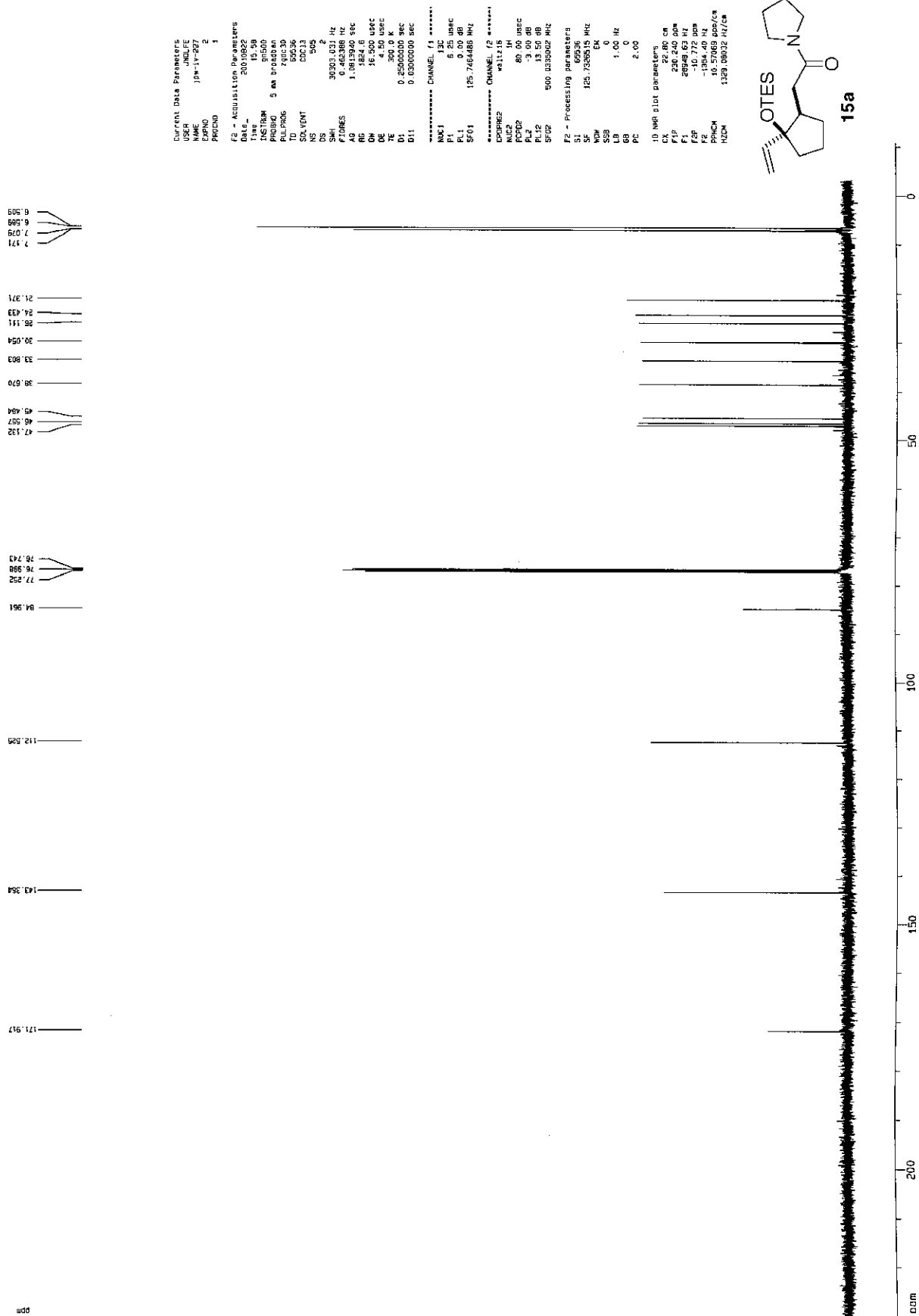
[illegible]

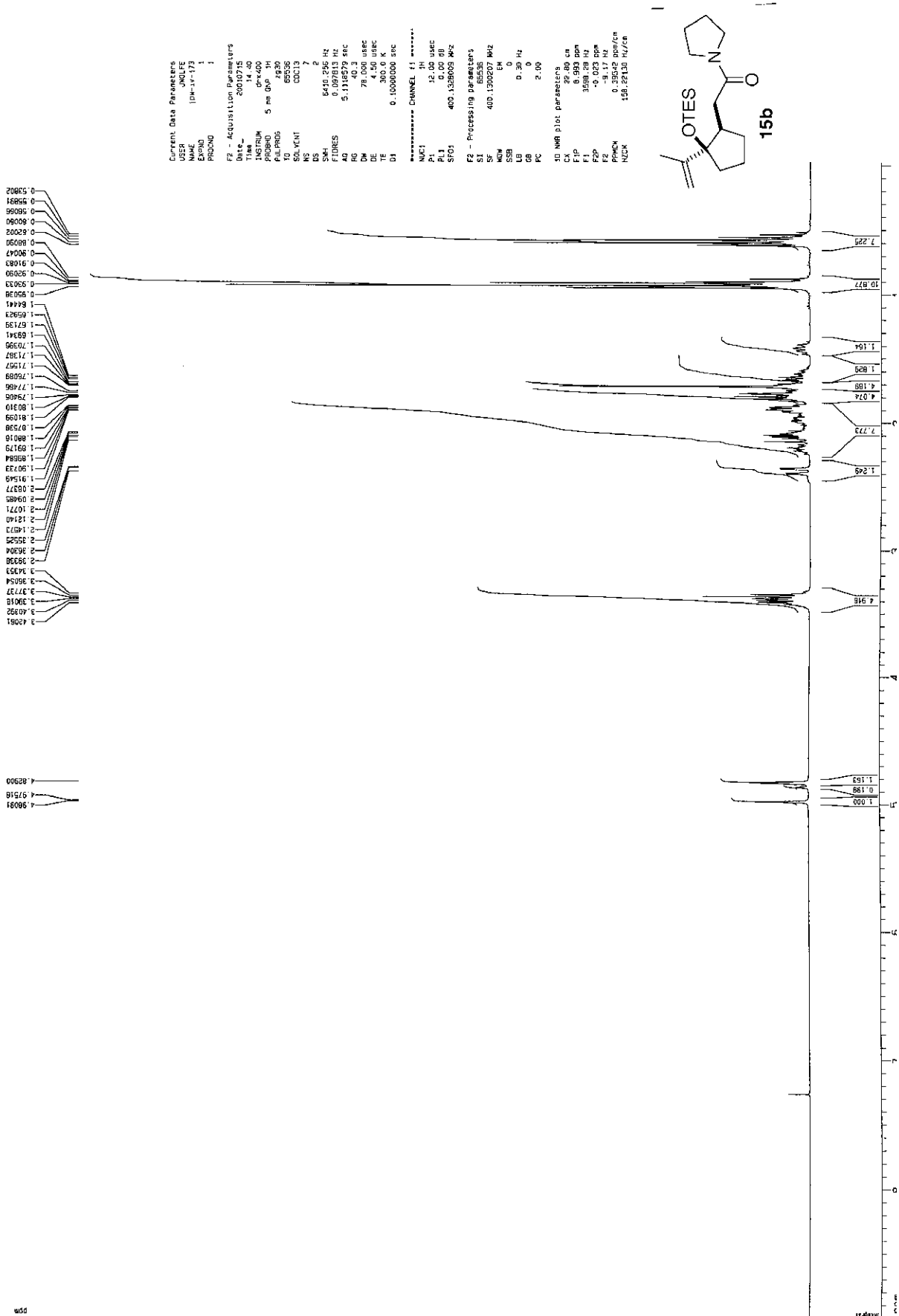


¹³C spectrum with ¹H decoupling

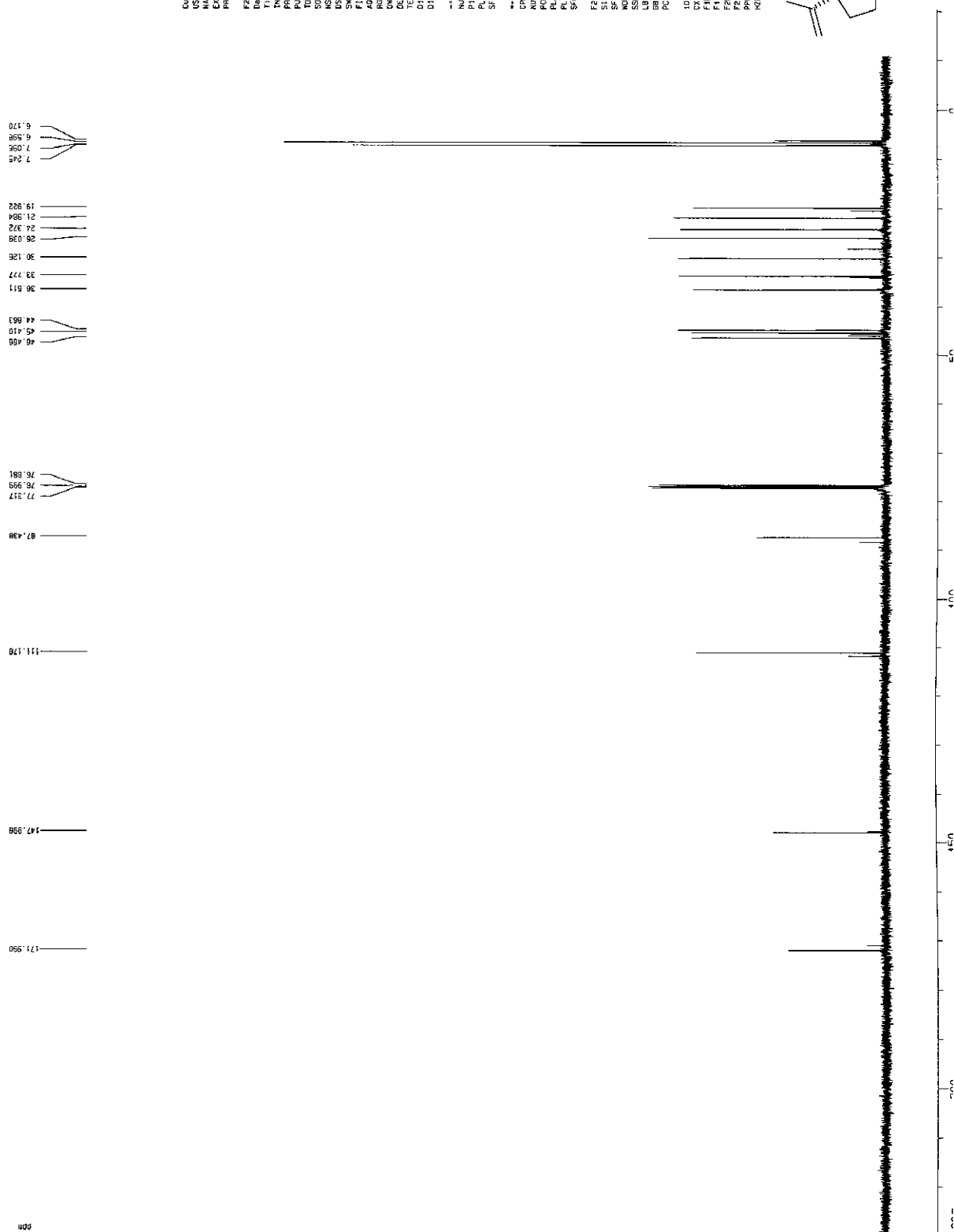




¹³C spectrum with ¹H decoupling

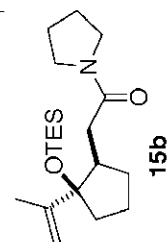


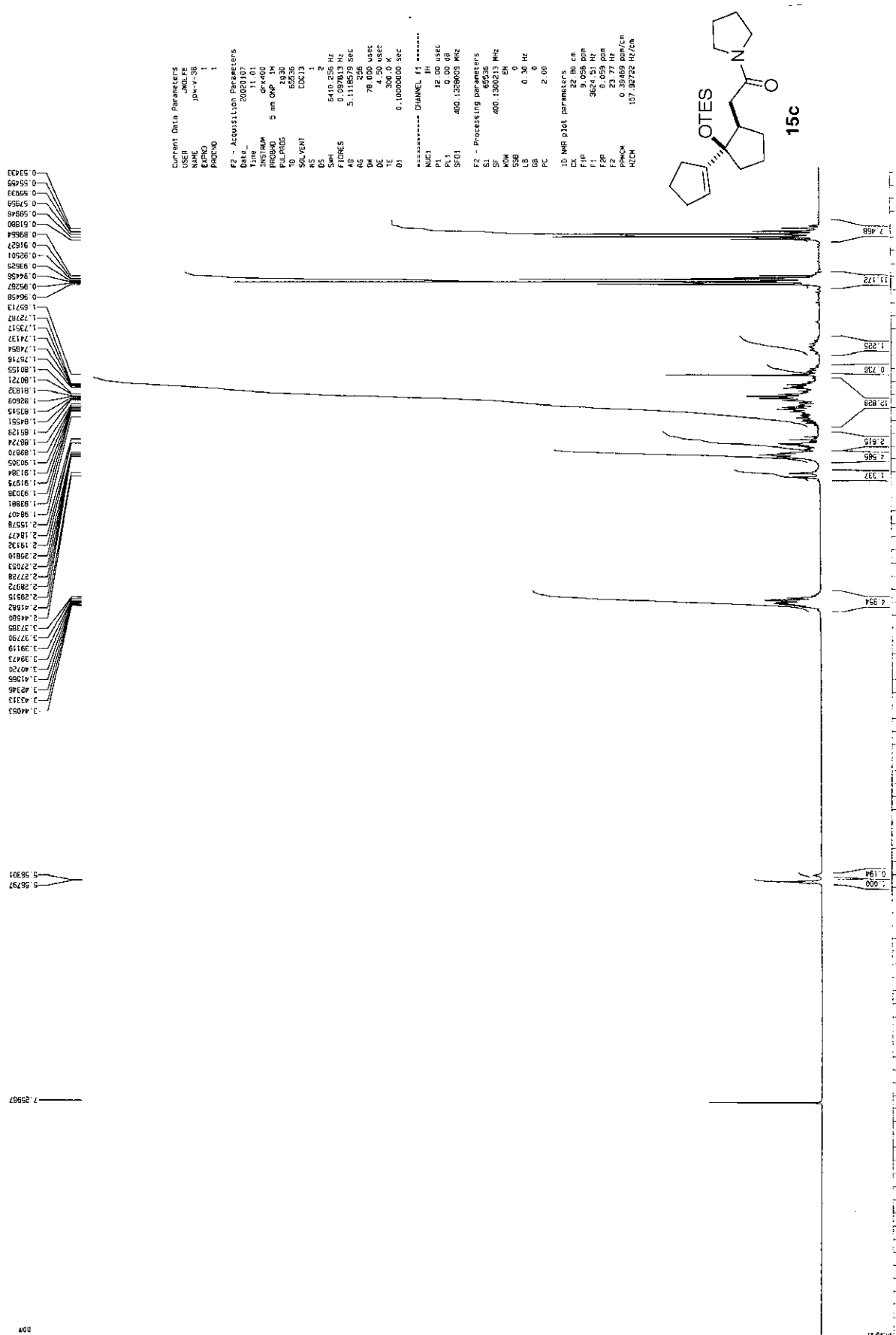
¹³C spectrum with ¹H decoupling



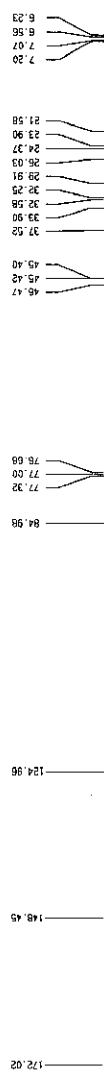
Current Data Parameters
 USER JMW-1173
 NAME JMW-1173
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20070715
 Time 14.43
 INSTRUM spect
 P1 5.00
 P2 5.00
 P3 5.00
 P4 5.00
 P5 5.00
 P6 5.00
 P7 5.00
 P8 5.00
 P9 5.00
 P10 5.00
 P11 5.00
 P12 5.00
 P13 5.00
 P14 5.00
 P15 5.00
 P16 5.00
 P17 5.00
 P18 5.00
 P19 5.00
 P20 5.00
 P21 5.00
 P22 5.00
 P23 5.00
 P24 5.00
 P25 5.00
 P26 5.00
 P27 5.00
 P28 5.00
 P29 5.00
 P30 5.00
 P31 5.00
 P32 5.00
 P33 5.00
 P34 5.00
 P35 5.00
 P36 5.00
 P37 5.00
 P38 5.00
 P39 5.00
 P40 5.00
 P41 5.00
 P42 5.00
 P43 5.00
 P44 5.00
 P45 5.00
 P46 5.00
 P47 5.00
 P48 5.00
 P49 5.00
 P50 5.00
 P51 5.00
 P52 5.00
 P53 5.00
 P54 5.00
 P55 5.00
 P56 5.00
 P57 5.00
 P58 5.00
 P59 5.00
 P60 5.00
 P61 5.00
 P62 5.00
 P63 5.00
 P64 5.00
 P65 5.00
 P66 5.00
 P67 5.00
 P68 5.00
 P69 5.00
 P70 5.00
 P71 5.00
 P72 5.00
 P73 5.00
 P74 5.00
 P75 5.00
 P76 5.00
 P77 5.00
 P78 5.00
 P79 5.00
 P80 5.00
 P81 5.00
 P82 5.00
 P83 5.00
 P84 5.00
 P85 5.00
 P86 5.00
 P87 5.00
 P88 5.00
 P89 5.00
 P90 5.00
 P91 5.00
 P92 5.00
 P93 5.00
 P94 5.00
 P95 5.00
 P96 5.00
 P97 5.00
 P98 5.00
 P99 5.00
 P100 5.00

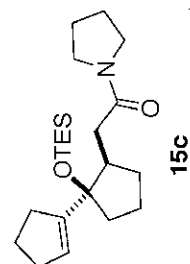


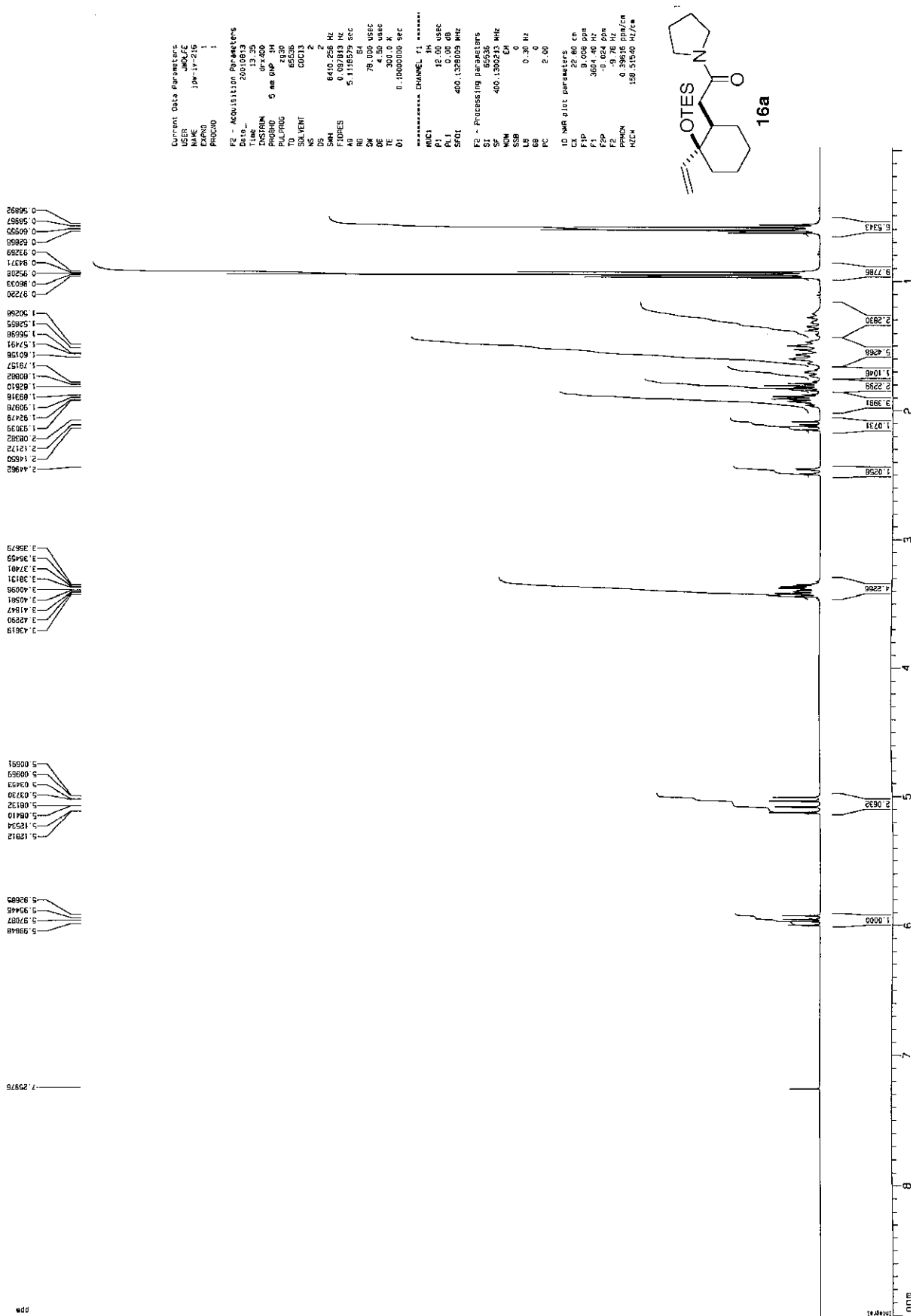


¹³C spectrum with ¹H decoupling

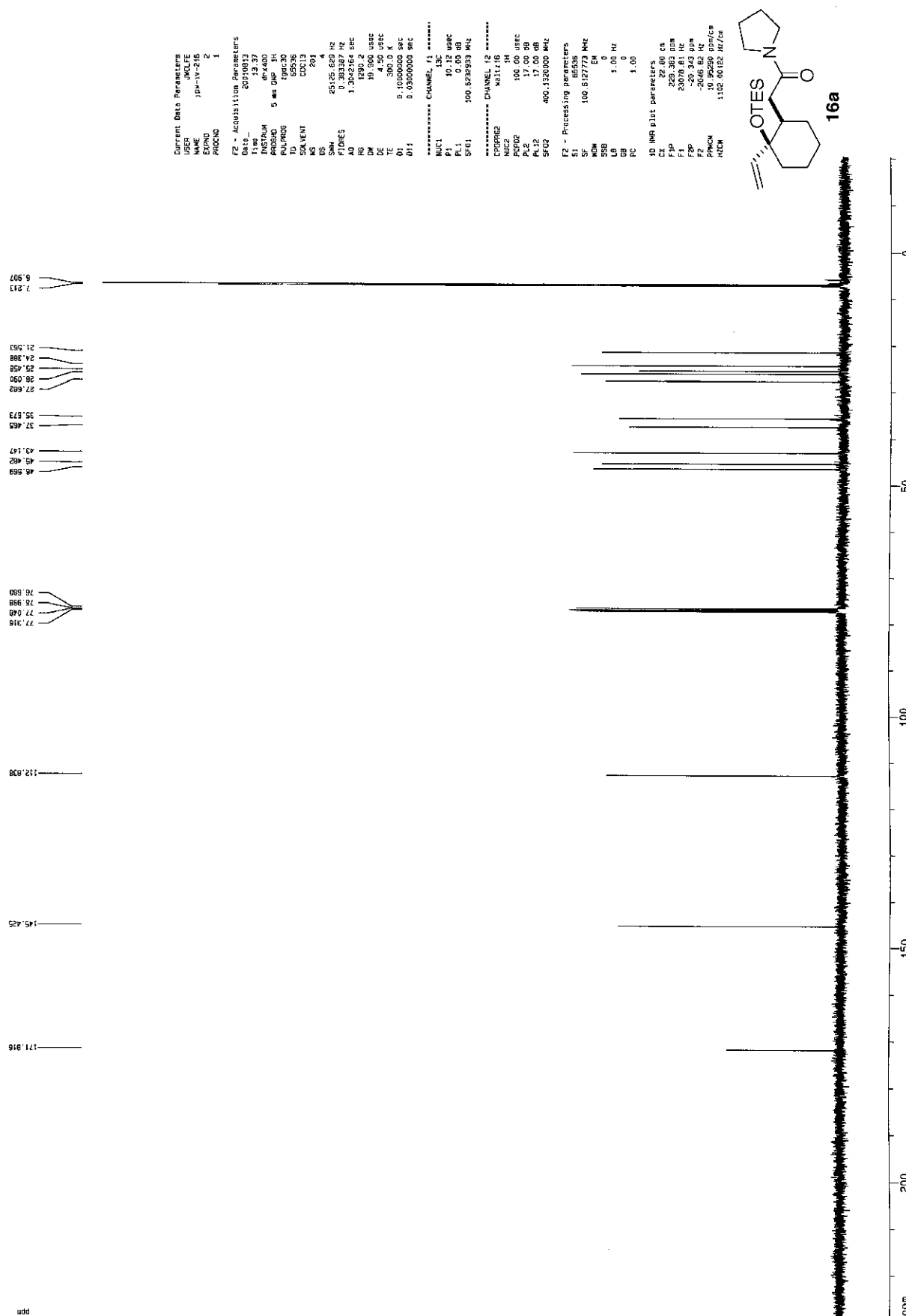


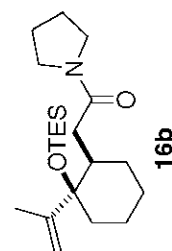
Current Data Parameters
 USER JMLFE
 NAME jh-x-3b
 EXPNO 2
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 2002107
 Time 12.08
 PULPROG zgpg30
 PROCRG 5 nm zgpg 11
 PULPROG zgpg30
 TO 65236
 SOLVENT CDCl3
 NS 500
 DS 4
 SWH 25195.625 Hz
 FIDRES 0.38387 Hz
 AQ 1.3042164 sec
 RG 2896.3
 DW 17.00 usec
 DE 4.50 usec
 TE 300.2 K
 D1 0.1000000 sec
 D11 0.0300000 sec
 ***** CHANNEL f1 *****
 NUC1 ¹³C
 P1 10.12 usec
 PL1 0.00 dB
 SF01 100.625933 MHz
 ***** CHANNEL f2 *****
 CPDPRG2 waltz16
 NUC2 ¹H
 P2 100.00 usec
 PL2 19.00 dB
 PL12 17.00 dB
 SF02 400.126000 MHz
 F2 - Processing parameters
 SI 32768
 SF 100.6127804 MHz
 SC 65536
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.00
 1D NMR plot parameters
 CX 22.80 cm
 F1 23075.75 Hz
 F2 23075.75 Hz
 F2P -20.374 ppm
 F2 -2049.87 Hz
 PPH0N 10.95590 ppm/cp
 HZ0N 1102.00122 Hz/cm

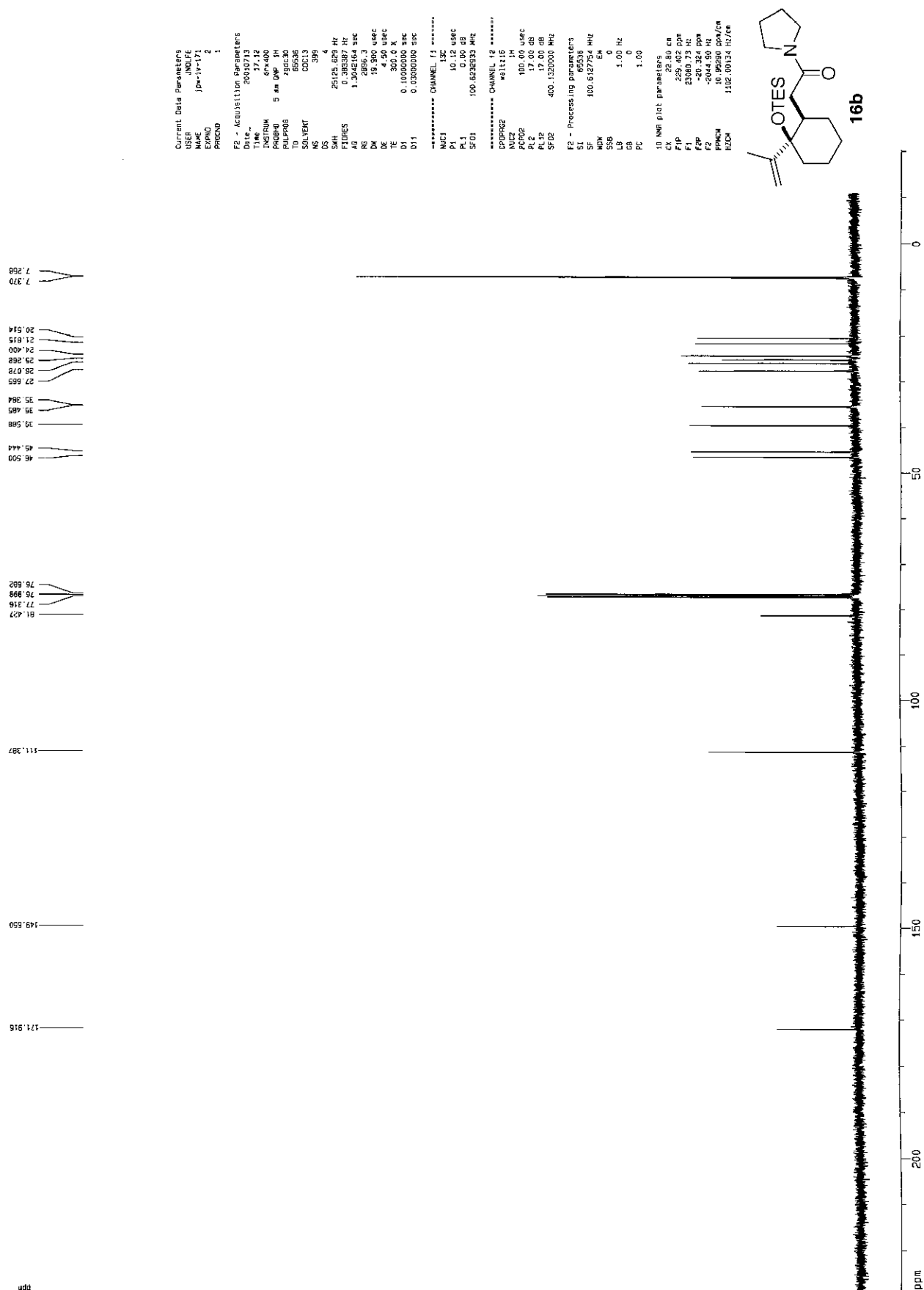


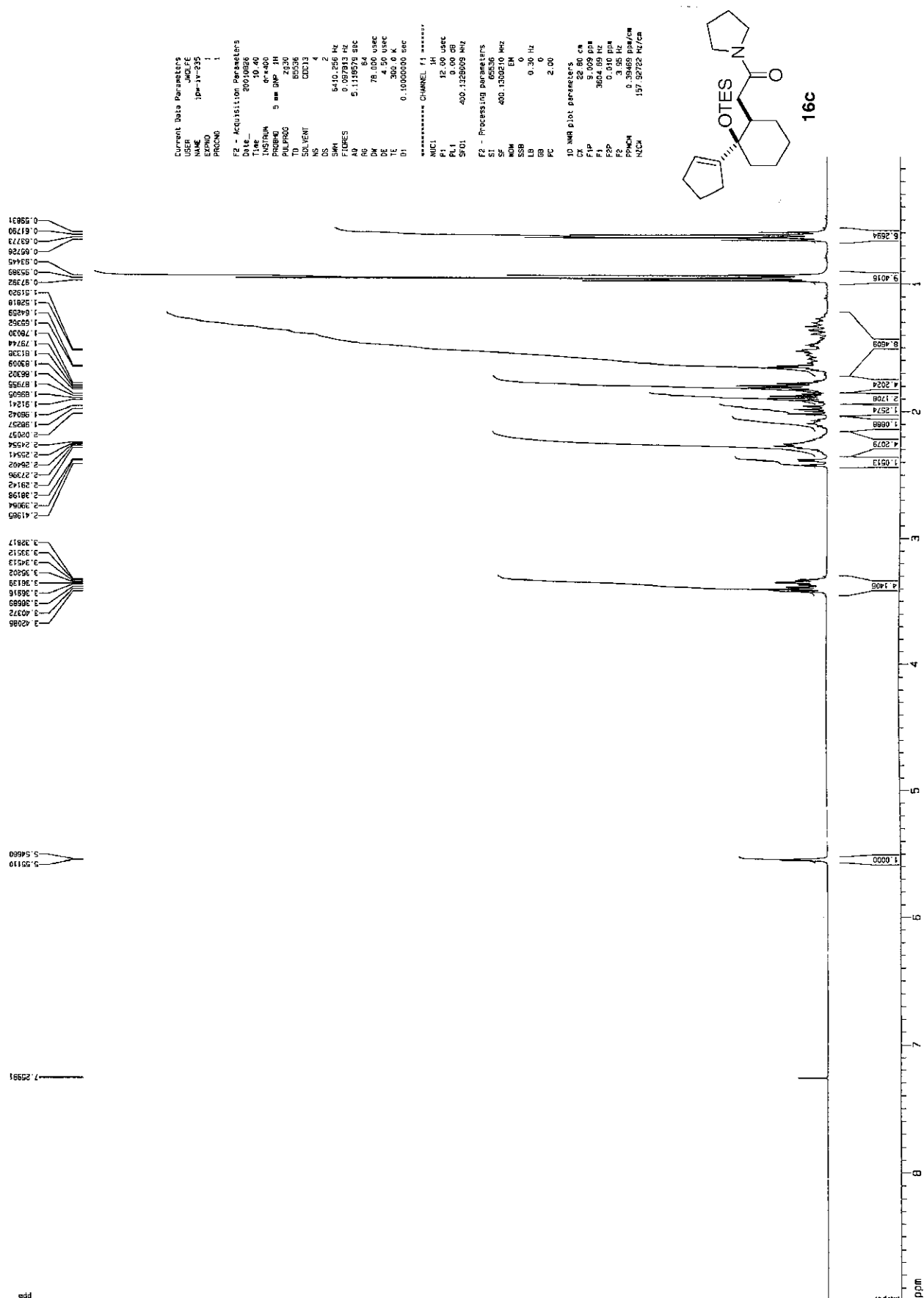


13C spectrum with 1H decoupling









Current Data Parameters
 USER JMWLF
 NAME jdw-19-225
 EXPNO 2
 PROCNO 1

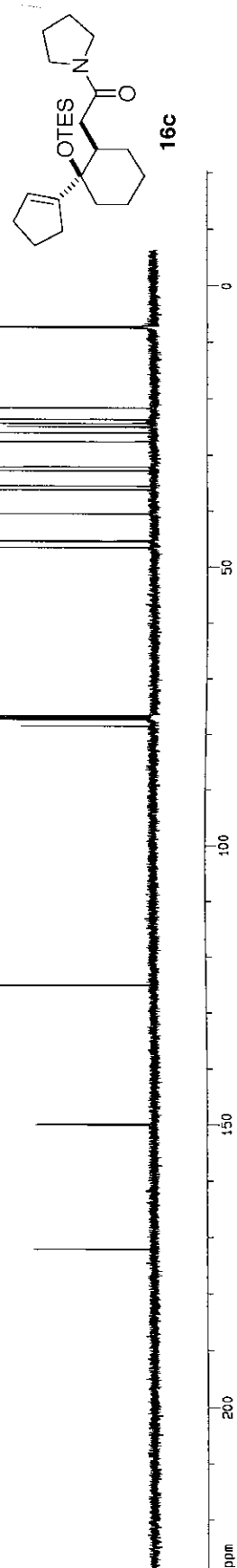
F2 - Acquisition Parameters
 Date_ 20010606
 Time 17:25
 INSTRUM spect
 PROBHD 5 mm BNP 1H
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 658
 DS 4
 SWH 25125.859 Hz
 FIDRES 0.38387 Hz
 AQ 1.3042164 sec
 RG 1299.2
 DA 13.940 usec
 DE 1.00 usec
 TE 300.2 K
 D1 0.10000000 sec
 D11 0.03000000 sec

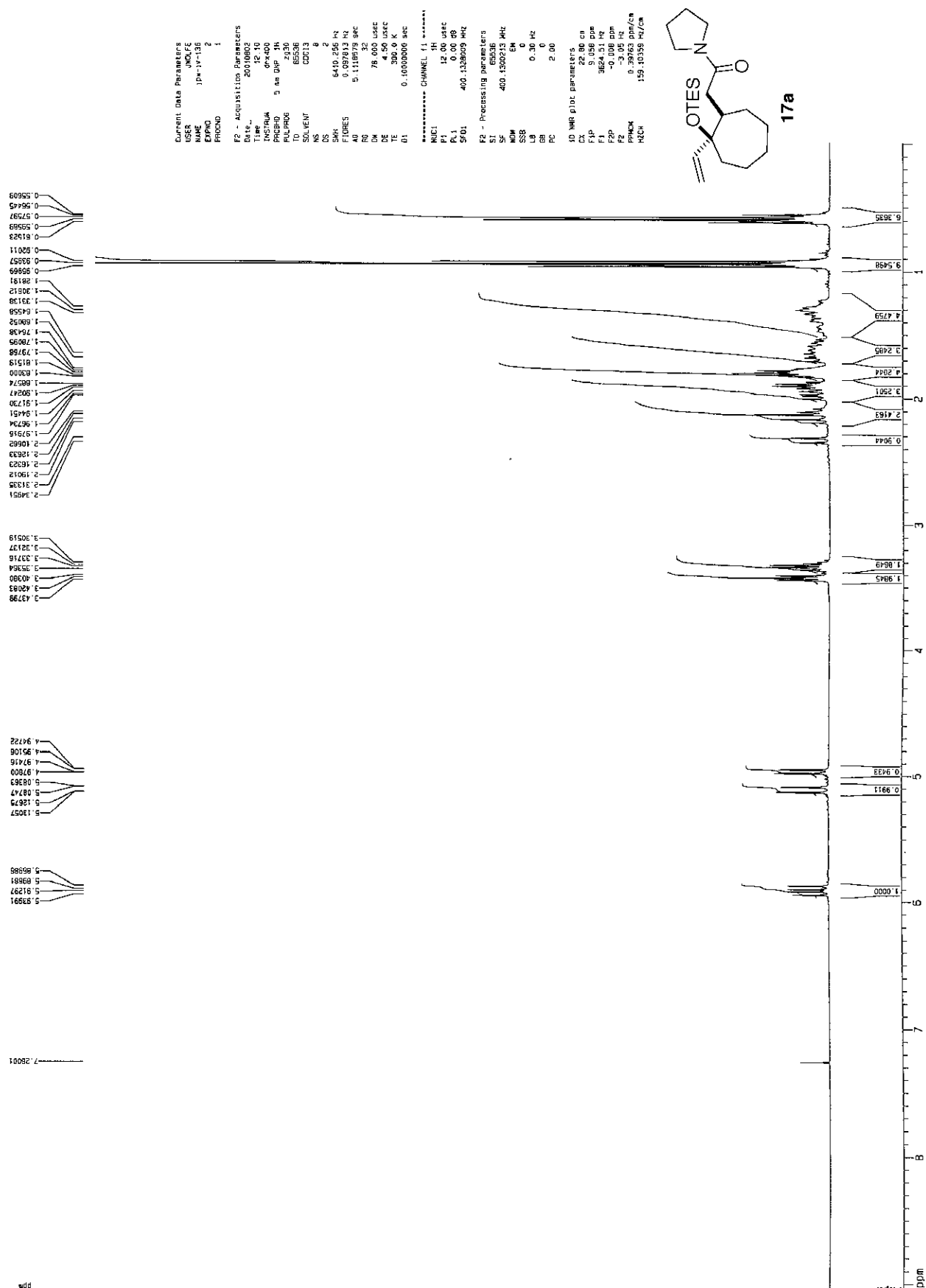
===== CHANNEL f1 =====
 NUC1 13C
 P1 10.12 usec
 PL1 0.00 dB
 SF01 100.625933 MHz

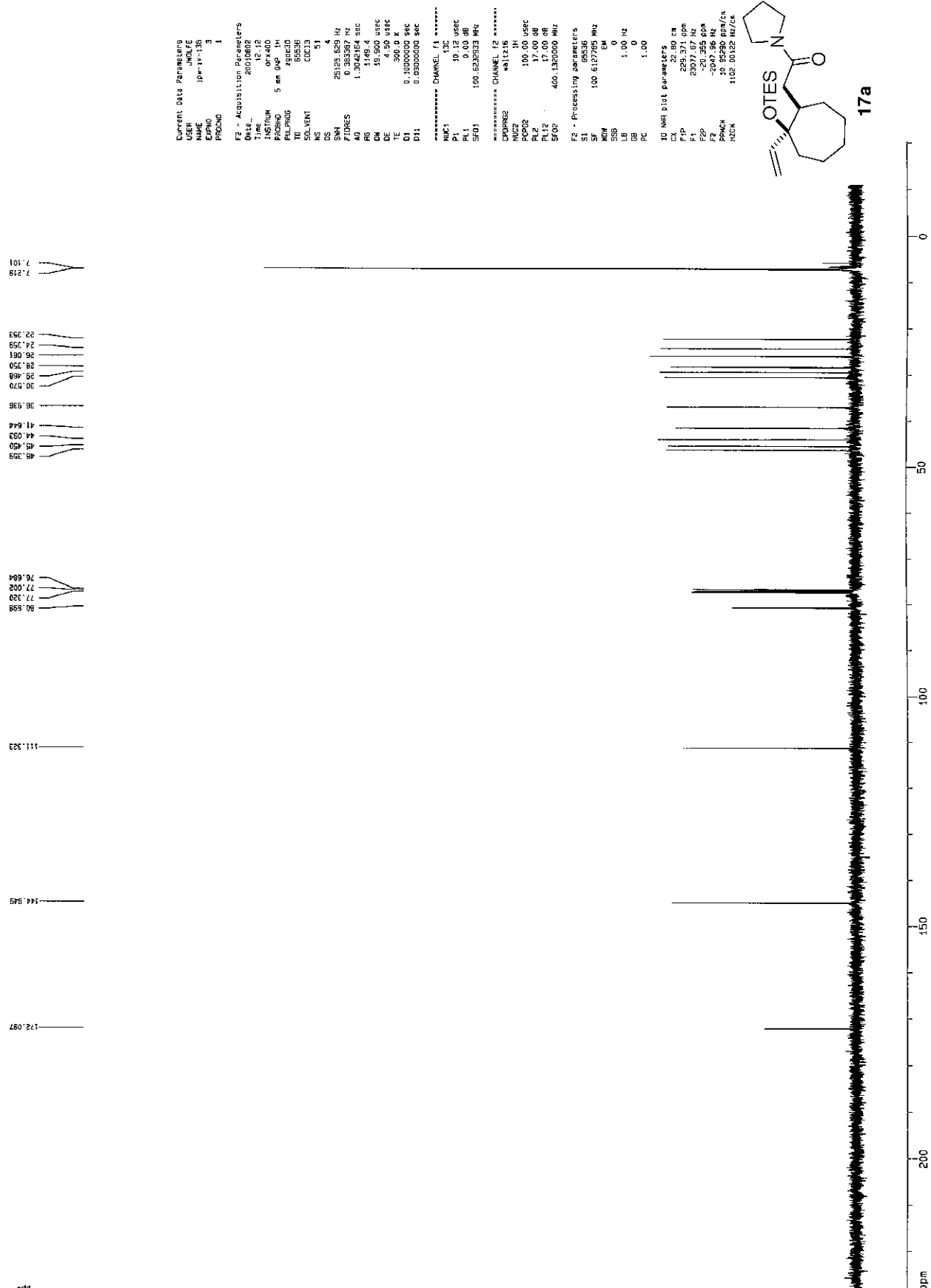
===== CHANNEL f2 =====
 NUC2 1H
 P2 10.00 usec
 PL2 17.00 dB
 SF02 400.1320000 MHz

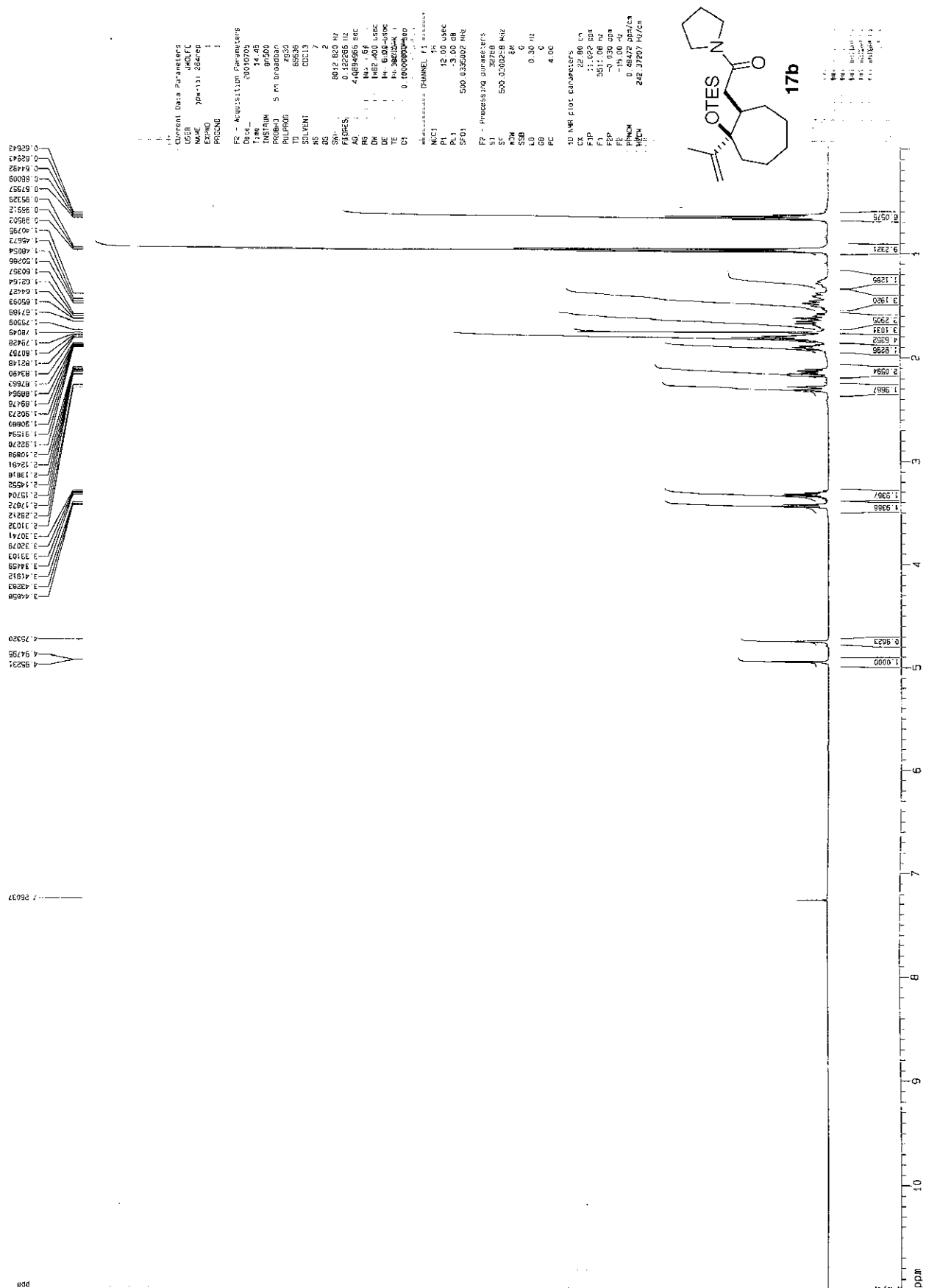
F2 - Processing parameters
 SI 55536
 SF 100.612758 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.00

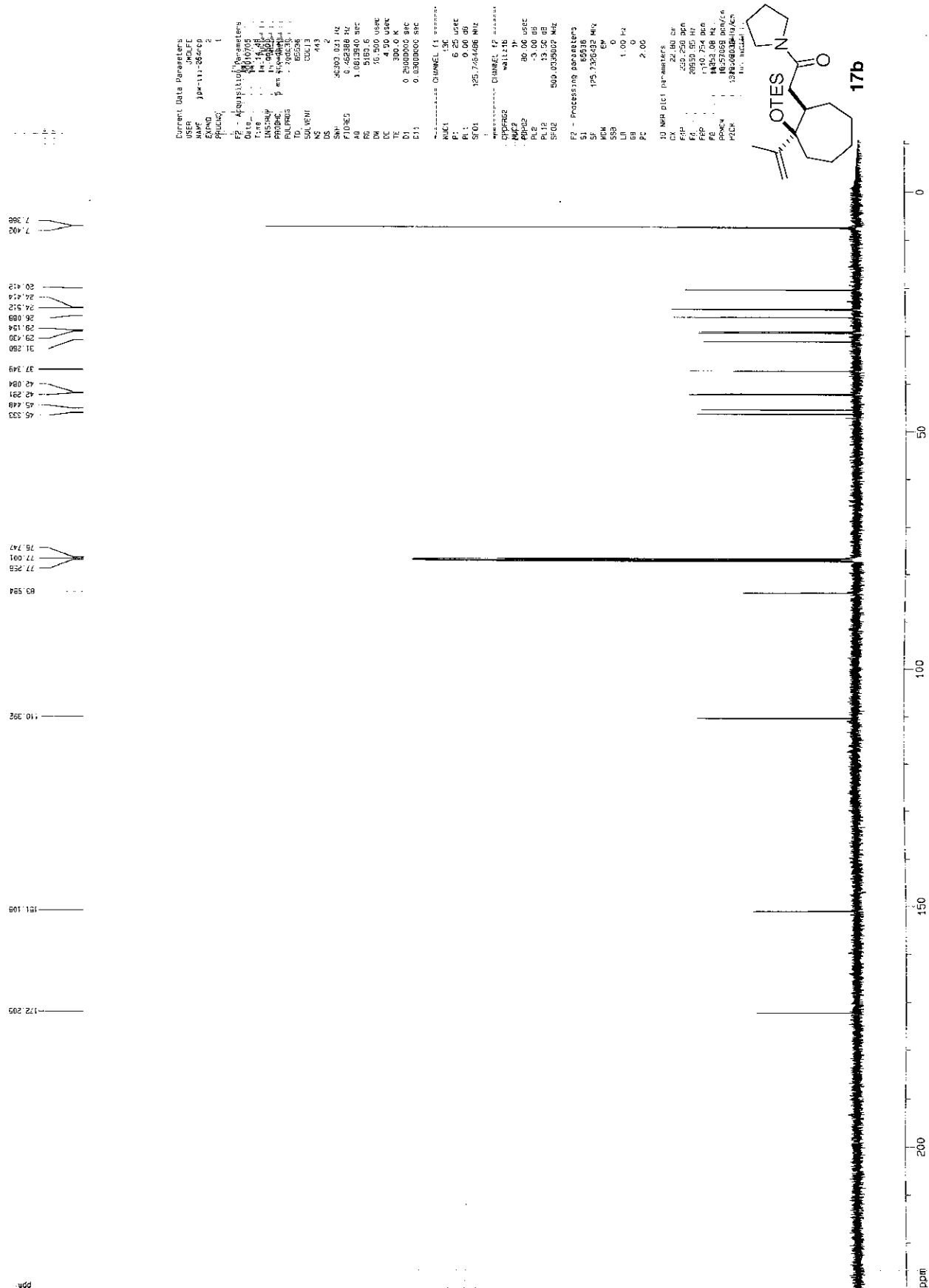
10 MHz plot parameters
 CY 22.80 cm
 F1 230.35 MHz
 F2 230.35 MHz
 F3 230.35 MHz
 F4 230.35 MHz
 F5 230.35 MHz
 F6 230.35 MHz
 F7 230.35 MHz
 F8 230.35 MHz
 F9 230.35 MHz
 F10 230.35 MHz
 F11 230.35 MHz
 F12 230.35 MHz
 F13 230.35 MHz
 F14 230.35 MHz
 F15 230.35 MHz
 F16 230.35 MHz
 F17 230.35 MHz
 F18 230.35 MHz
 F19 230.35 MHz
 F20 230.35 MHz
 F21 230.35 MHz
 F22 230.35 MHz
 F23 230.35 MHz
 F24 230.35 MHz
 F25 230.35 MHz
 F26 230.35 MHz
 F27 230.35 MHz
 F28 230.35 MHz
 F29 230.35 MHz
 F30 230.35 MHz
 F31 230.35 MHz
 F32 230.35 MHz
 F33 230.35 MHz
 F34 230.35 MHz
 F35 230.35 MHz
 F36 230.35 MHz
 F37 230.35 MHz
 F38 230.35 MHz
 F39 230.35 MHz
 F40 230.35 MHz
 F41 230.35 MHz
 F42 230.35 MHz
 F43 230.35 MHz
 F44 230.35 MHz
 F45 230.35 MHz
 F46 230.35 MHz
 F47 230.35 MHz
 F48 230.35 MHz
 F49 230.35 MHz
 F50 230.35 MHz
 F51 230.35 MHz
 F52 230.35 MHz
 F53 230.35 MHz
 F54 230.35 MHz
 F55 230.35 MHz
 F56 230.35 MHz
 F57 230.35 MHz
 F58 230.35 MHz
 F59 230.35 MHz
 F60 230.35 MHz
 F61 230.35 MHz
 F62 230.35 MHz
 F63 230.35 MHz
 F64 230.35 MHz
 F65 230.35 MHz
 F66 230.35 MHz
 F67 230.35 MHz
 F68 230.35 MHz
 F69 230.35 MHz
 F70 230.35 MHz
 F71 230.35 MHz
 F72 230.35 MHz
 F73 230.35 MHz
 F74 230.35 MHz
 F75 230.35 MHz
 F76 230.35 MHz
 F77 230.35 MHz
 F78 230.35 MHz
 F79 230.35 MHz
 F80 230.35 MHz
 F81 230.35 MHz
 F82 230.35 MHz
 F83 230.35 MHz
 F84 230.35 MHz
 F85 230.35 MHz
 F86 230.35 MHz
 F87 230.35 MHz
 F88 230.35 MHz
 F89 230.35 MHz
 F90 230.35 MHz
 F91 230.35 MHz
 F92 230.35 MHz
 F93 230.35 MHz
 F94 230.35 MHz
 F95 230.35 MHz
 F96 230.35 MHz
 F97 230.35 MHz
 F98 230.35 MHz
 F99 230.35 MHz
 F100 230.35 MHz

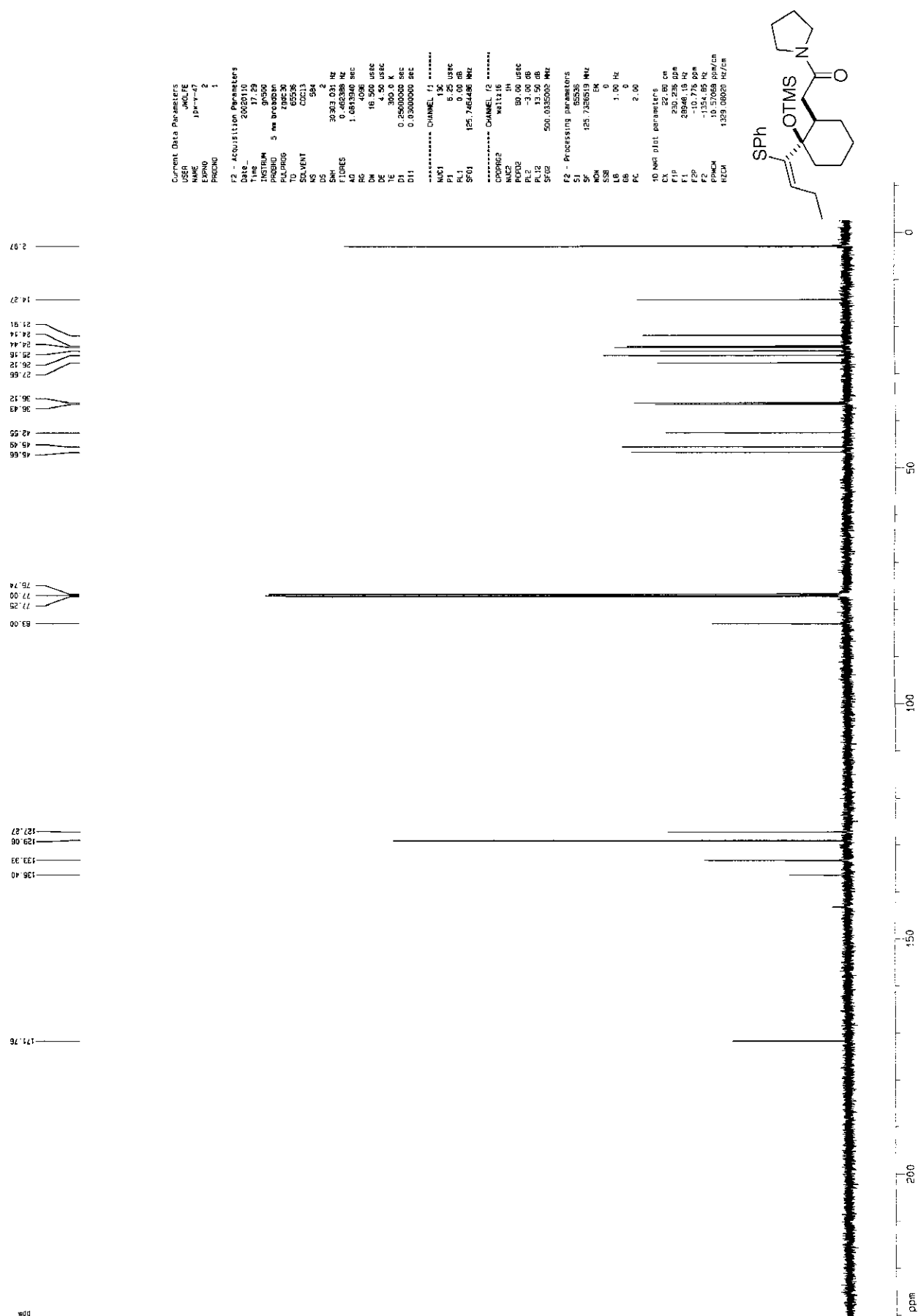


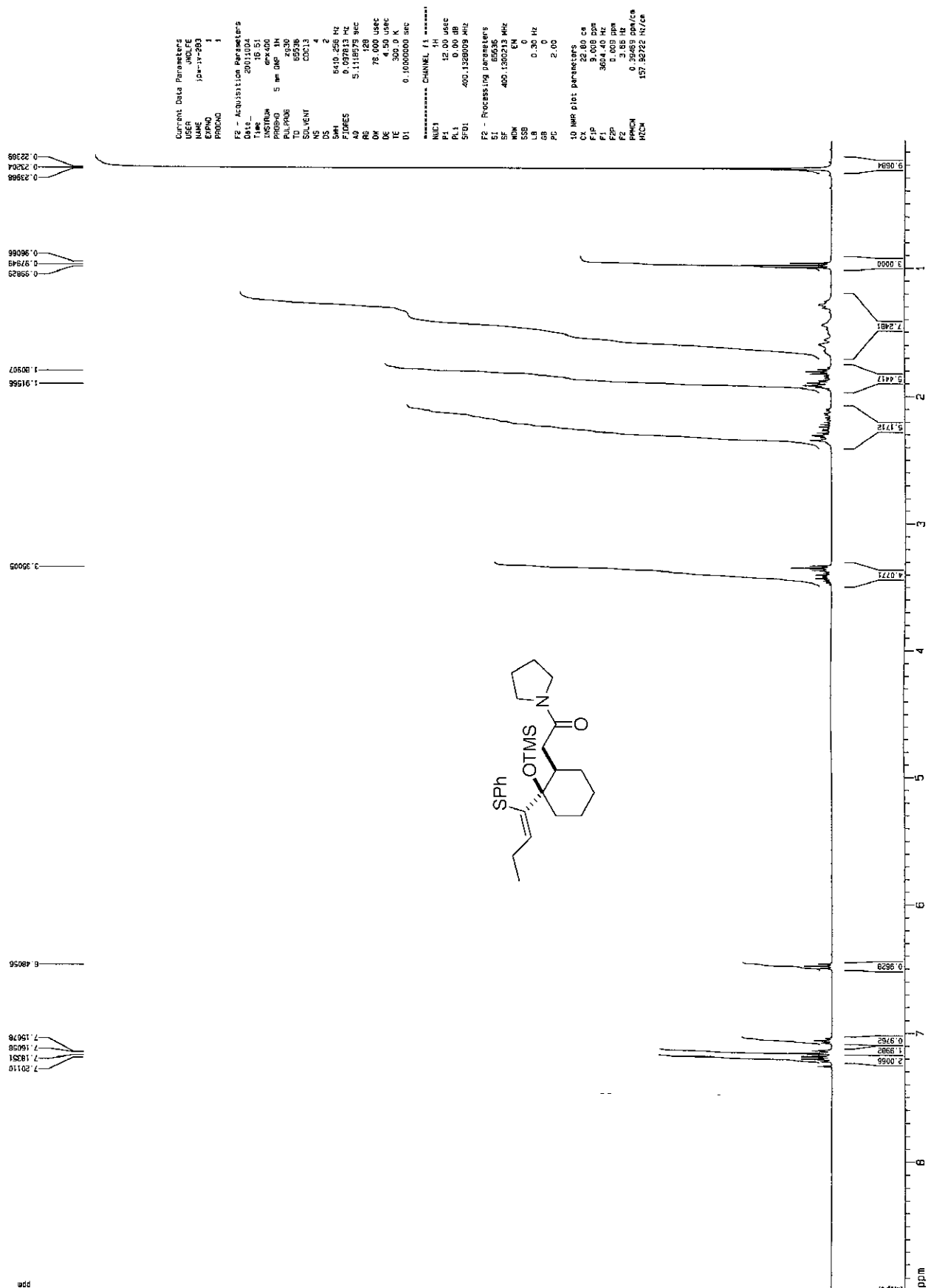


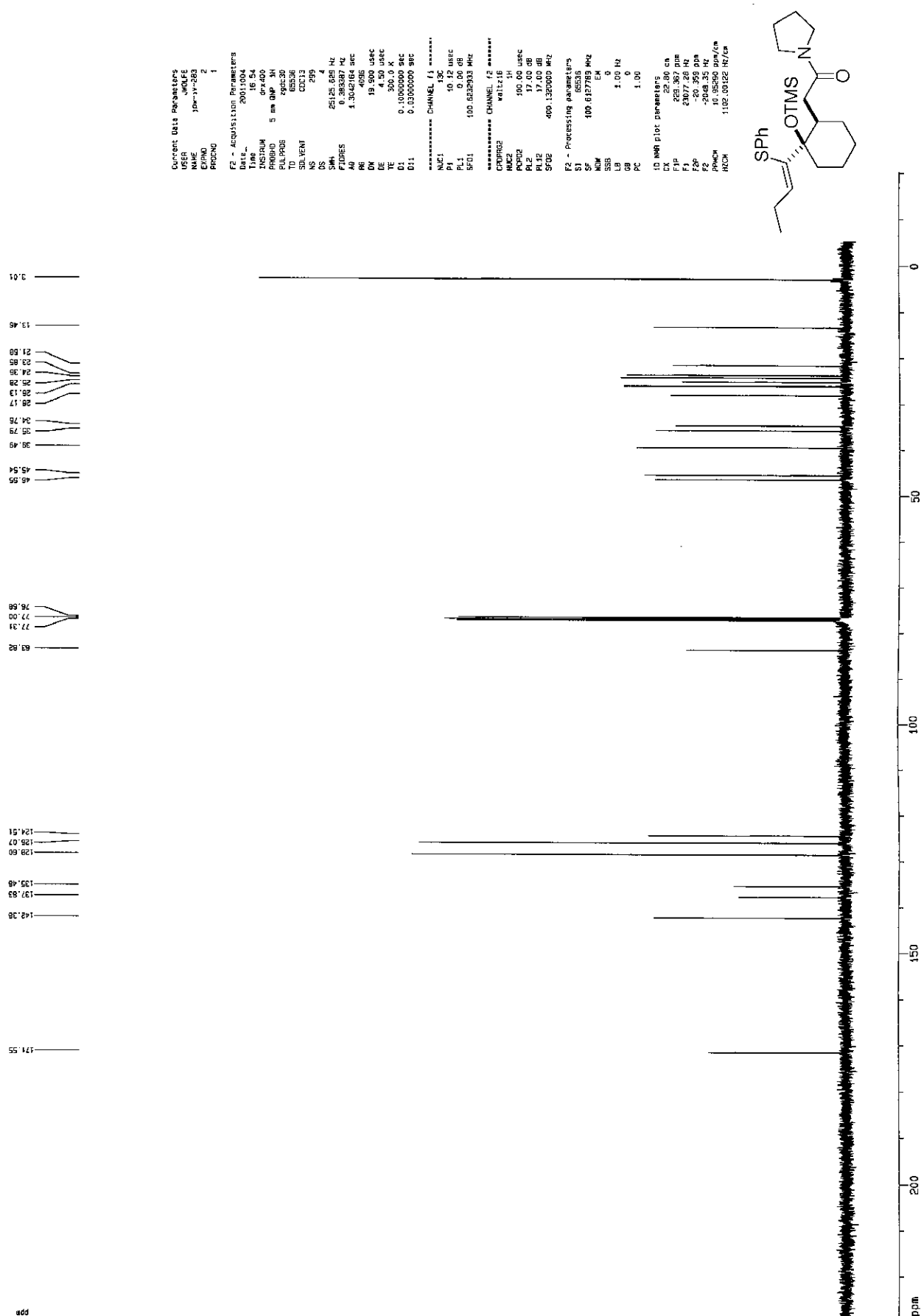


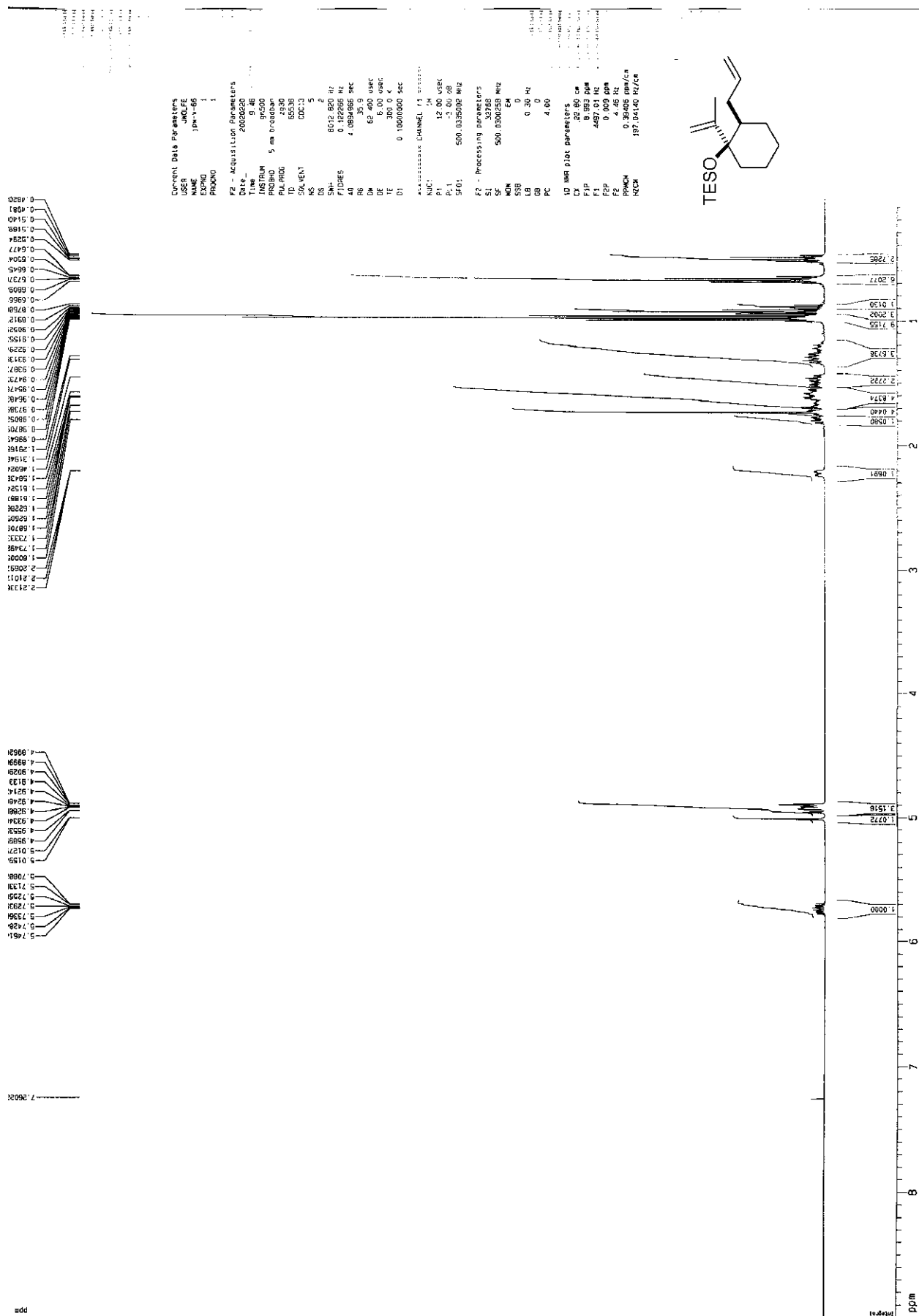


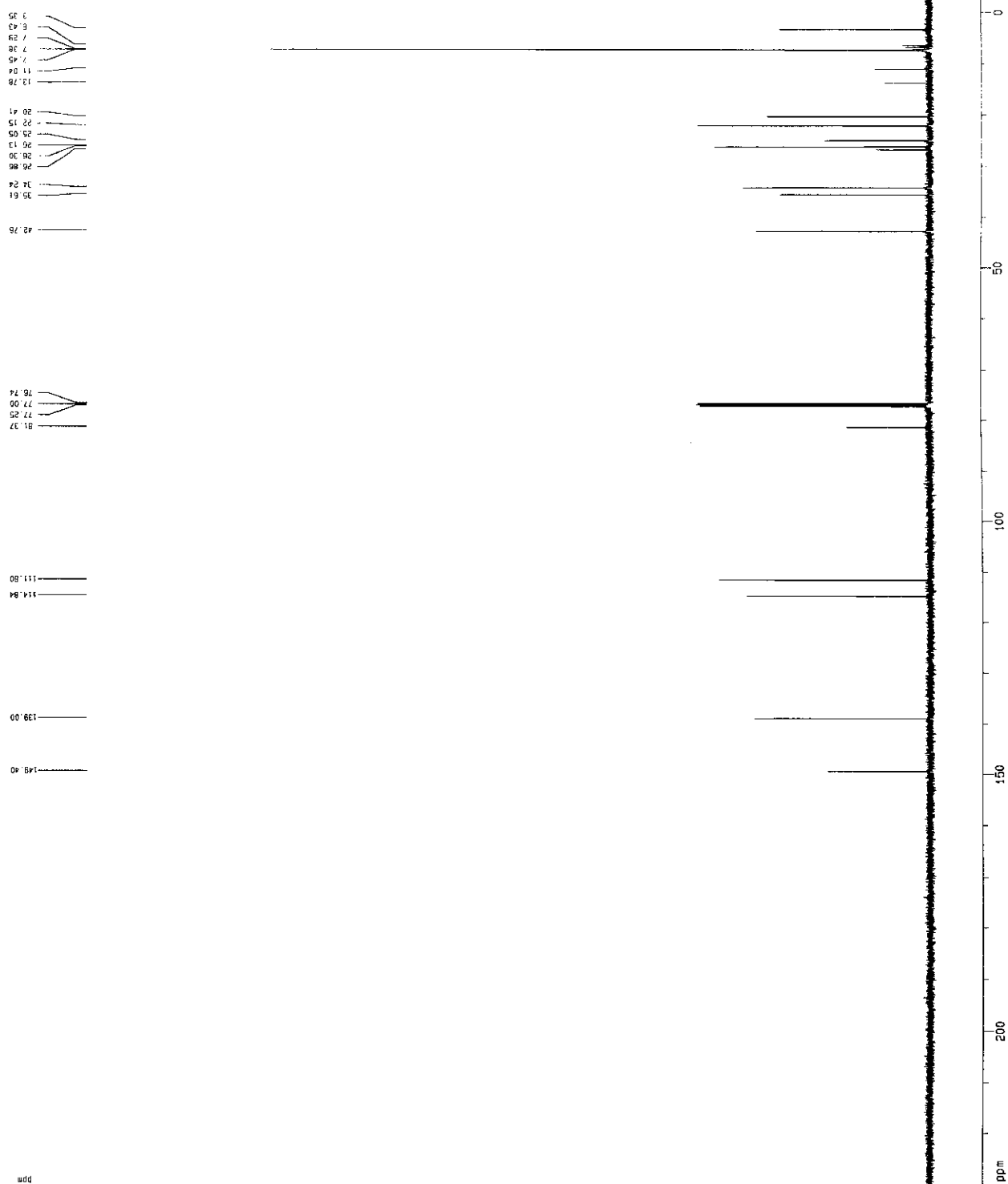




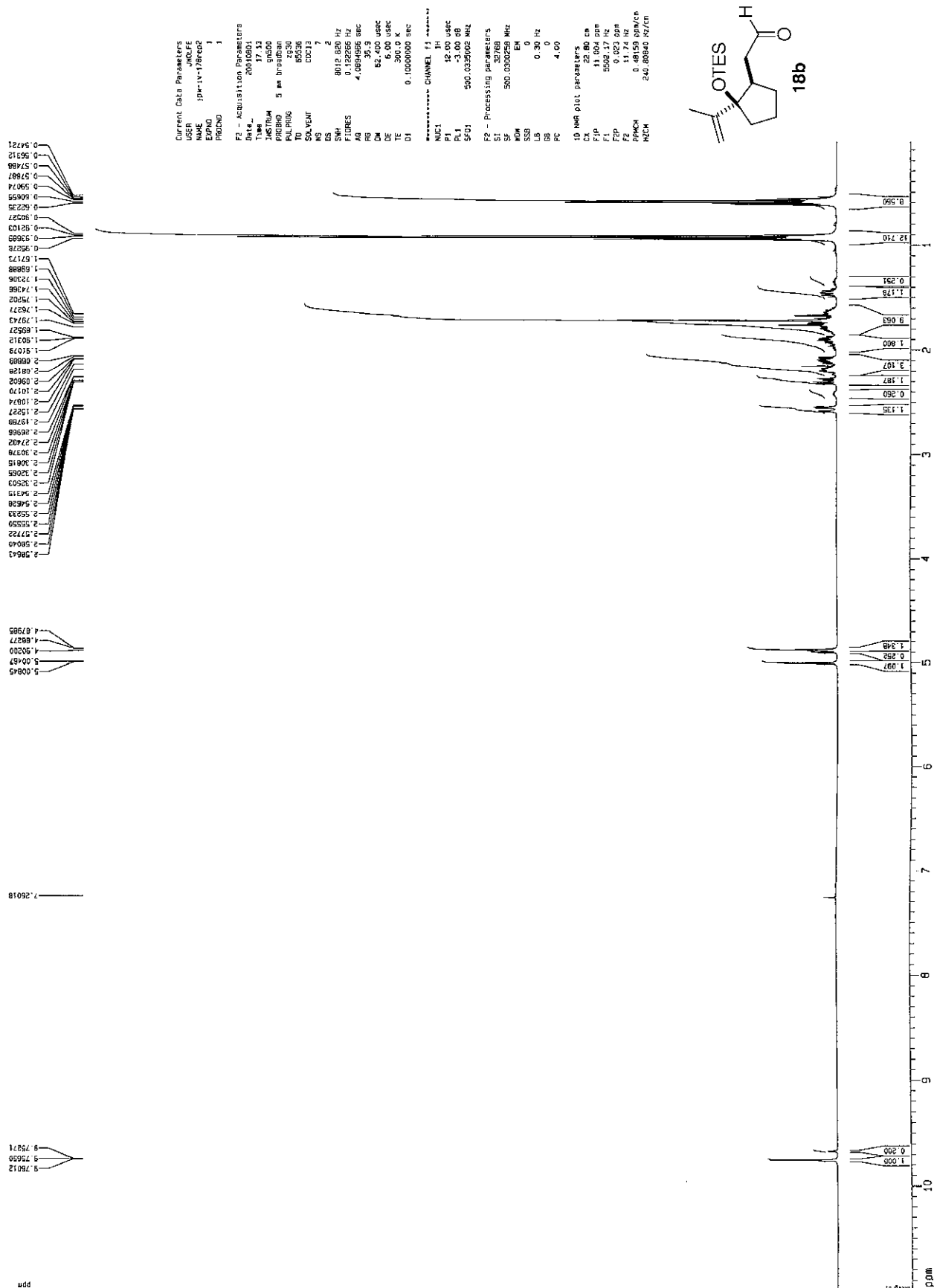


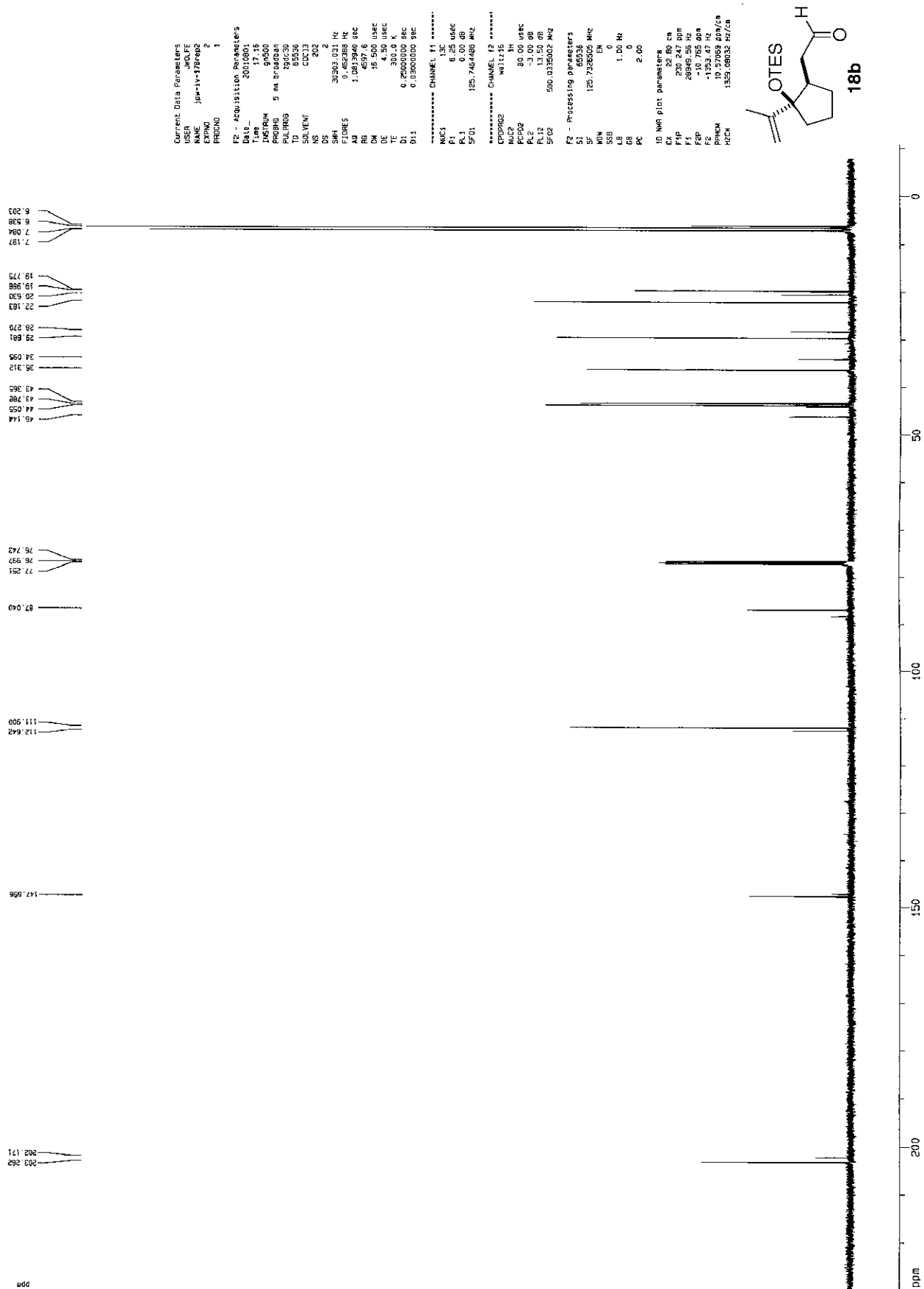


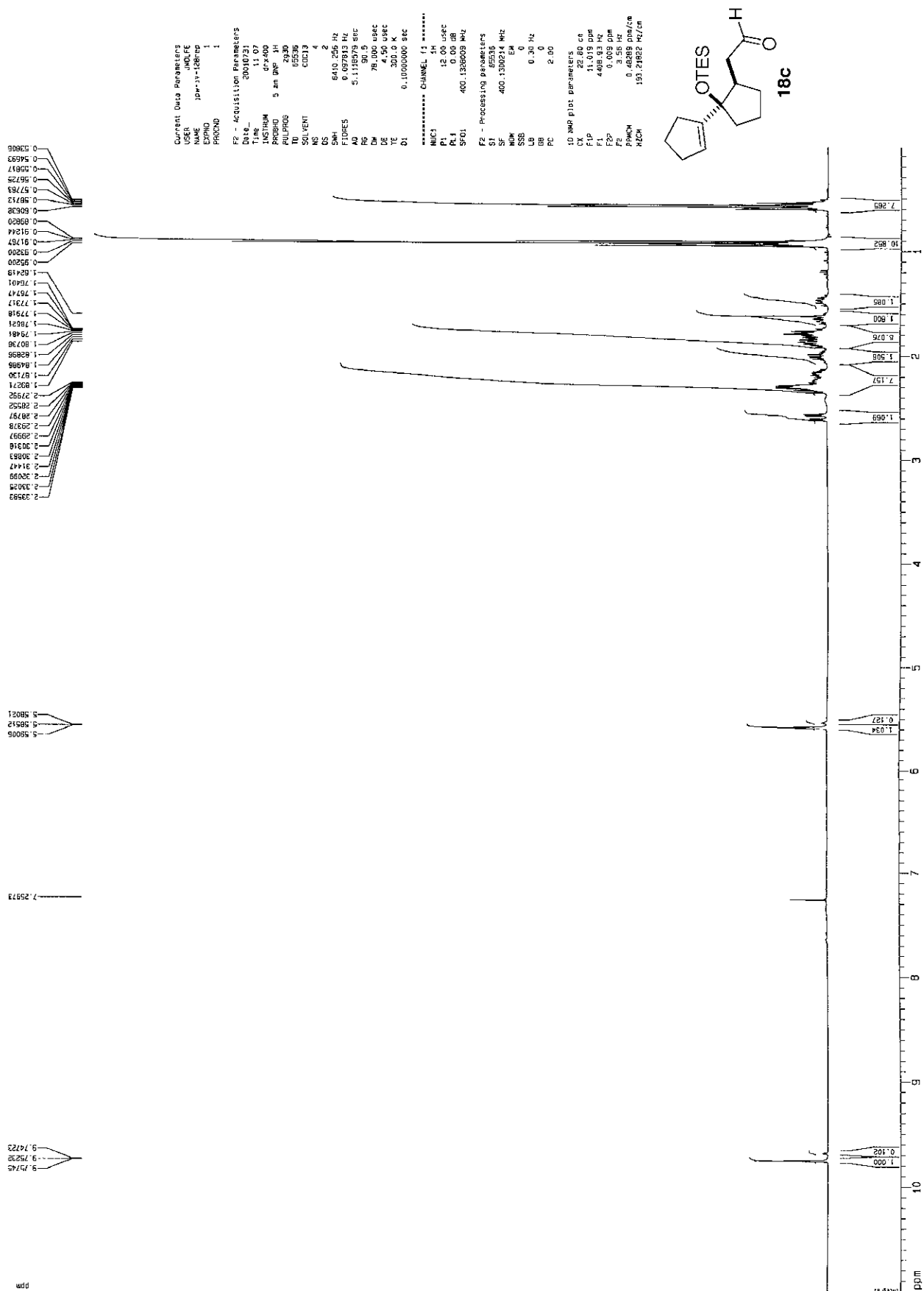


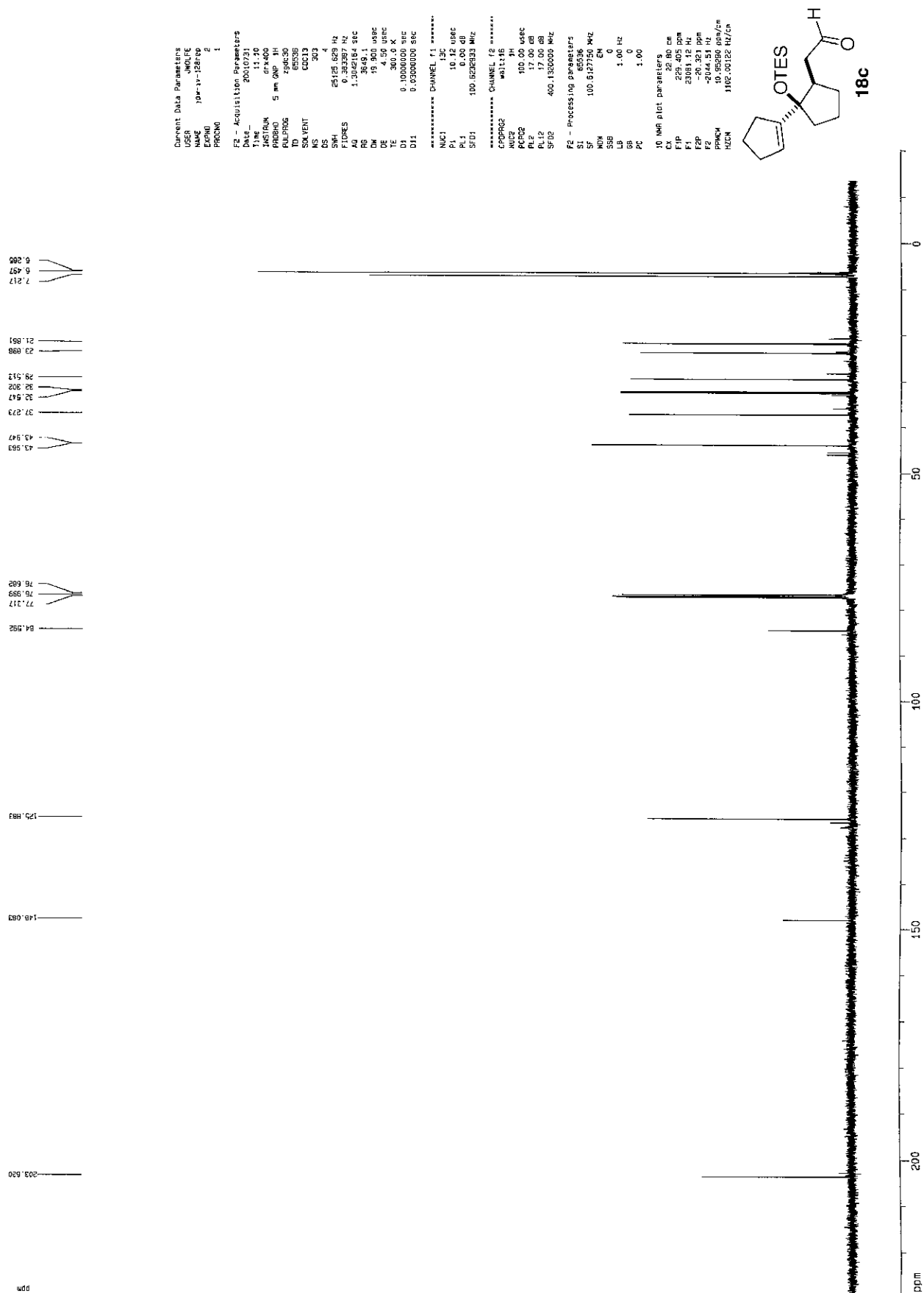


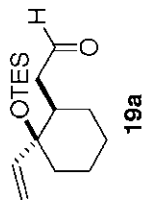


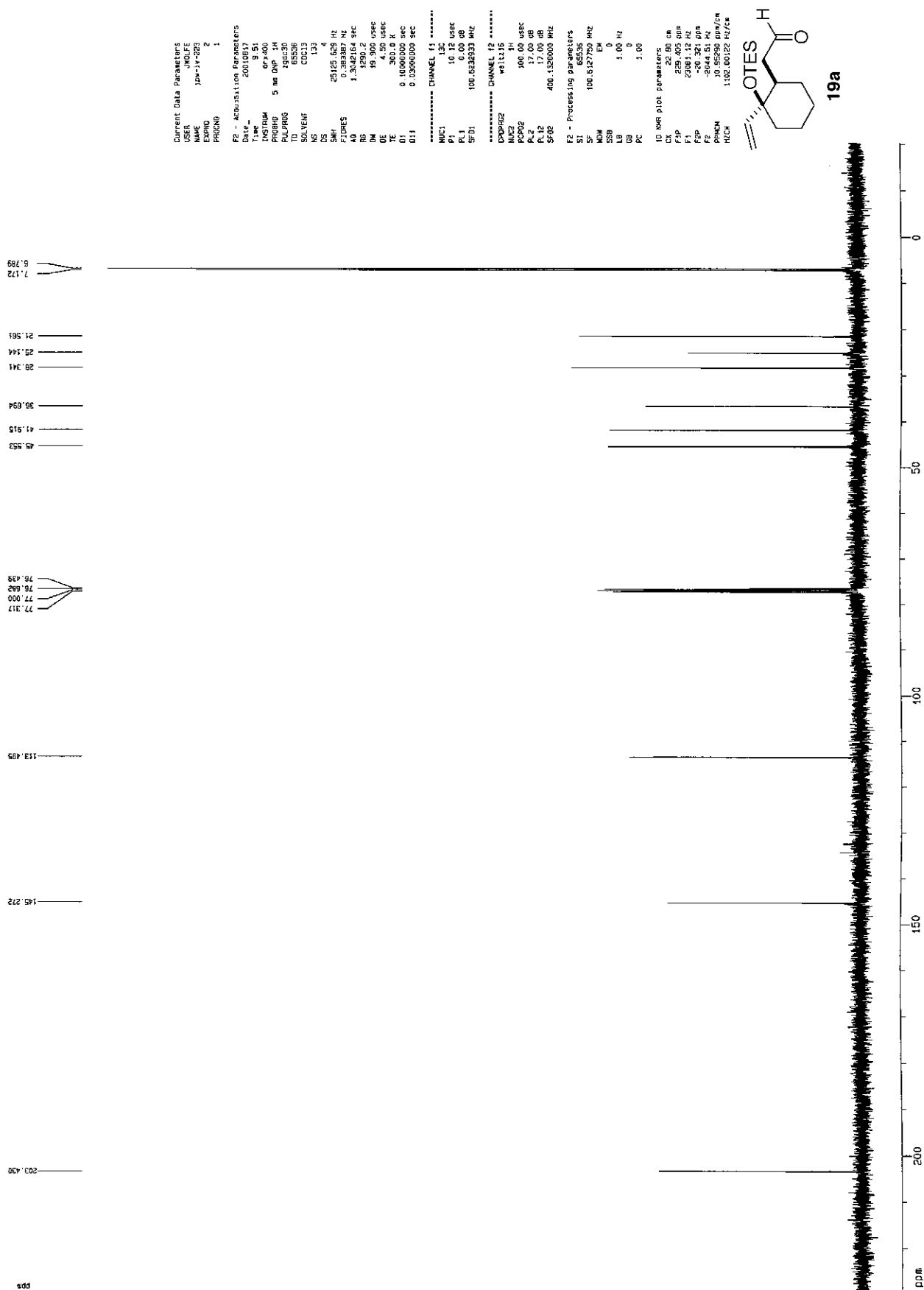


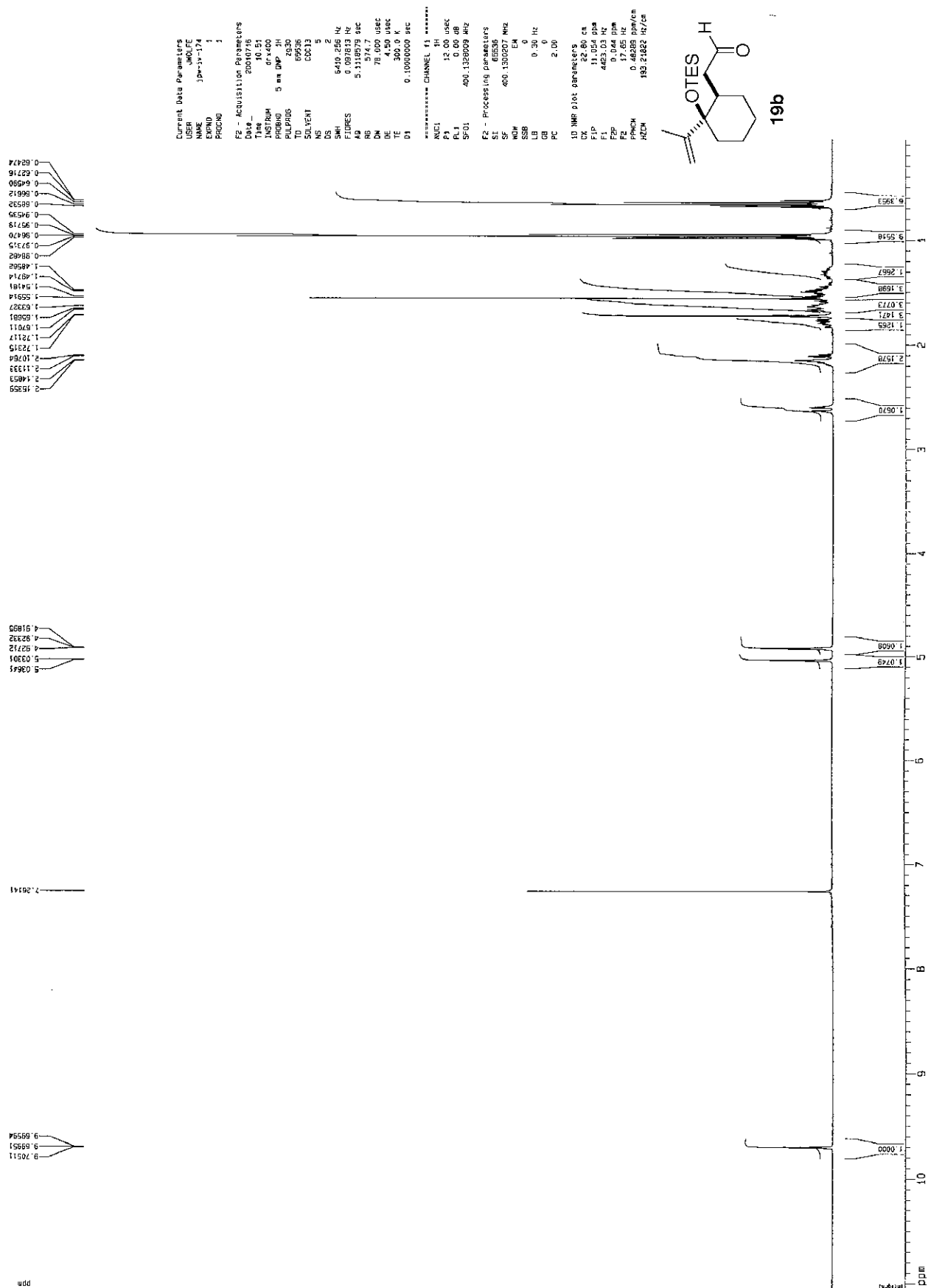


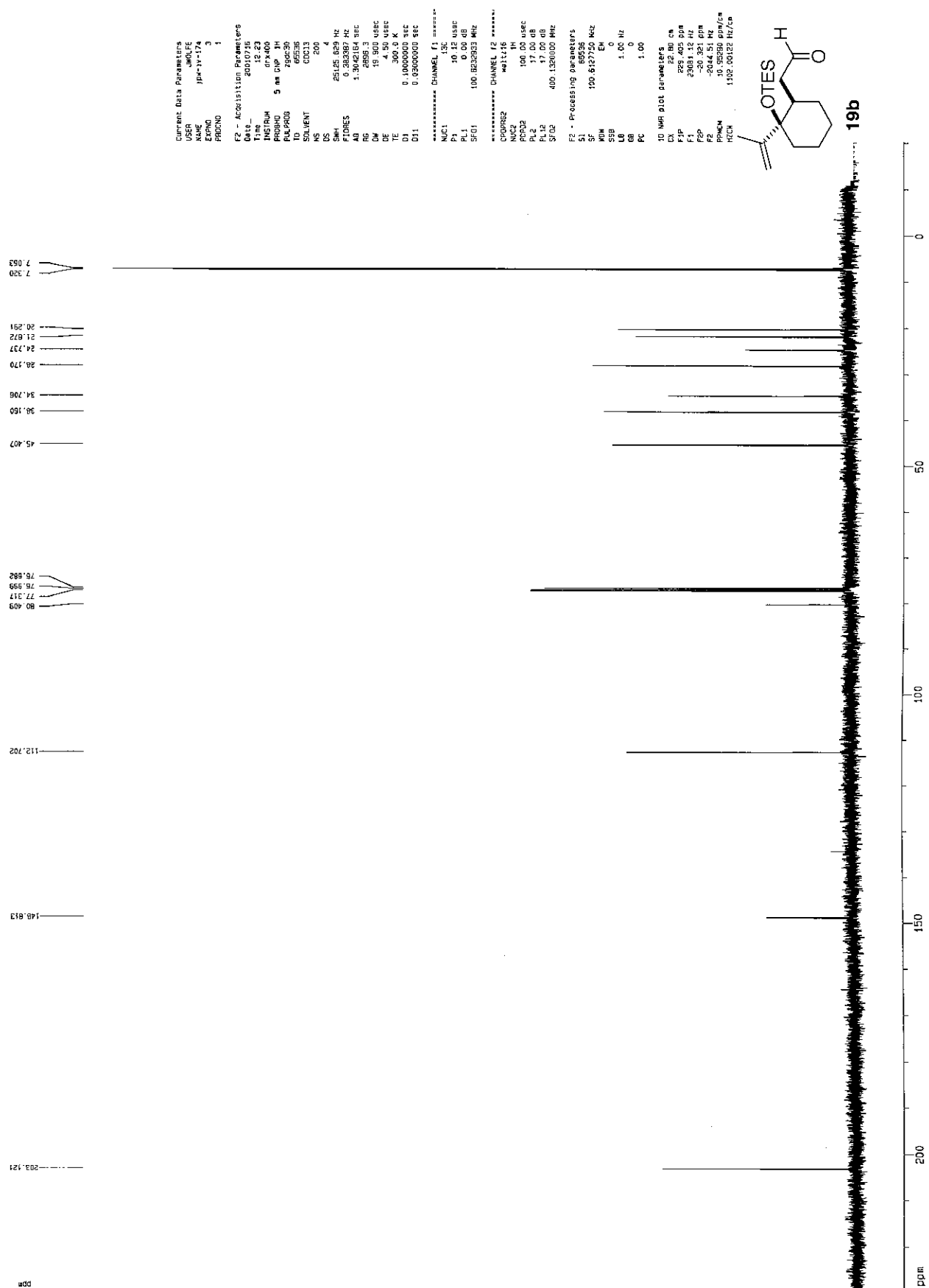


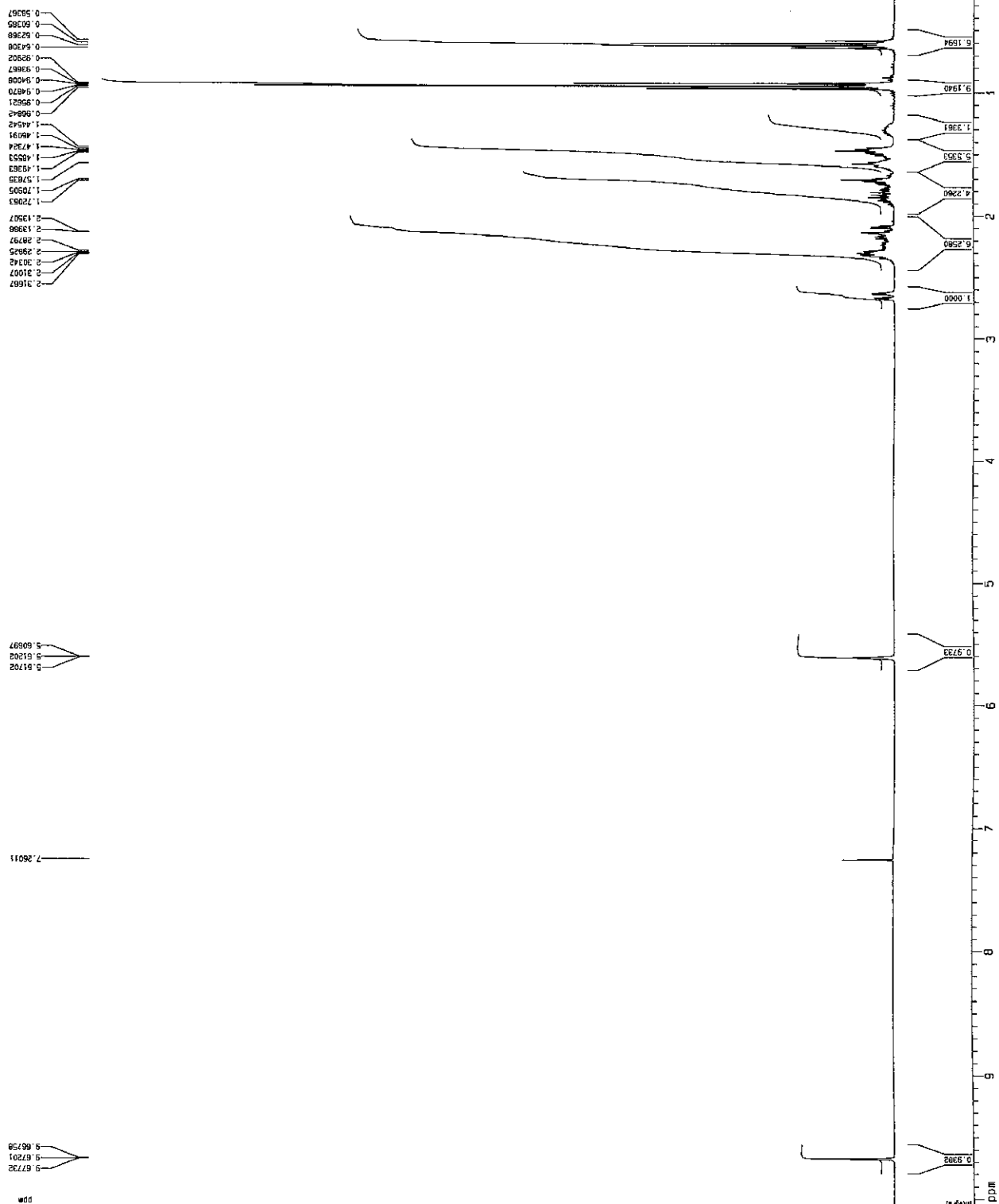
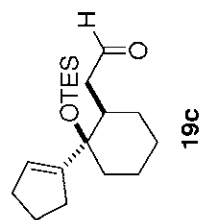


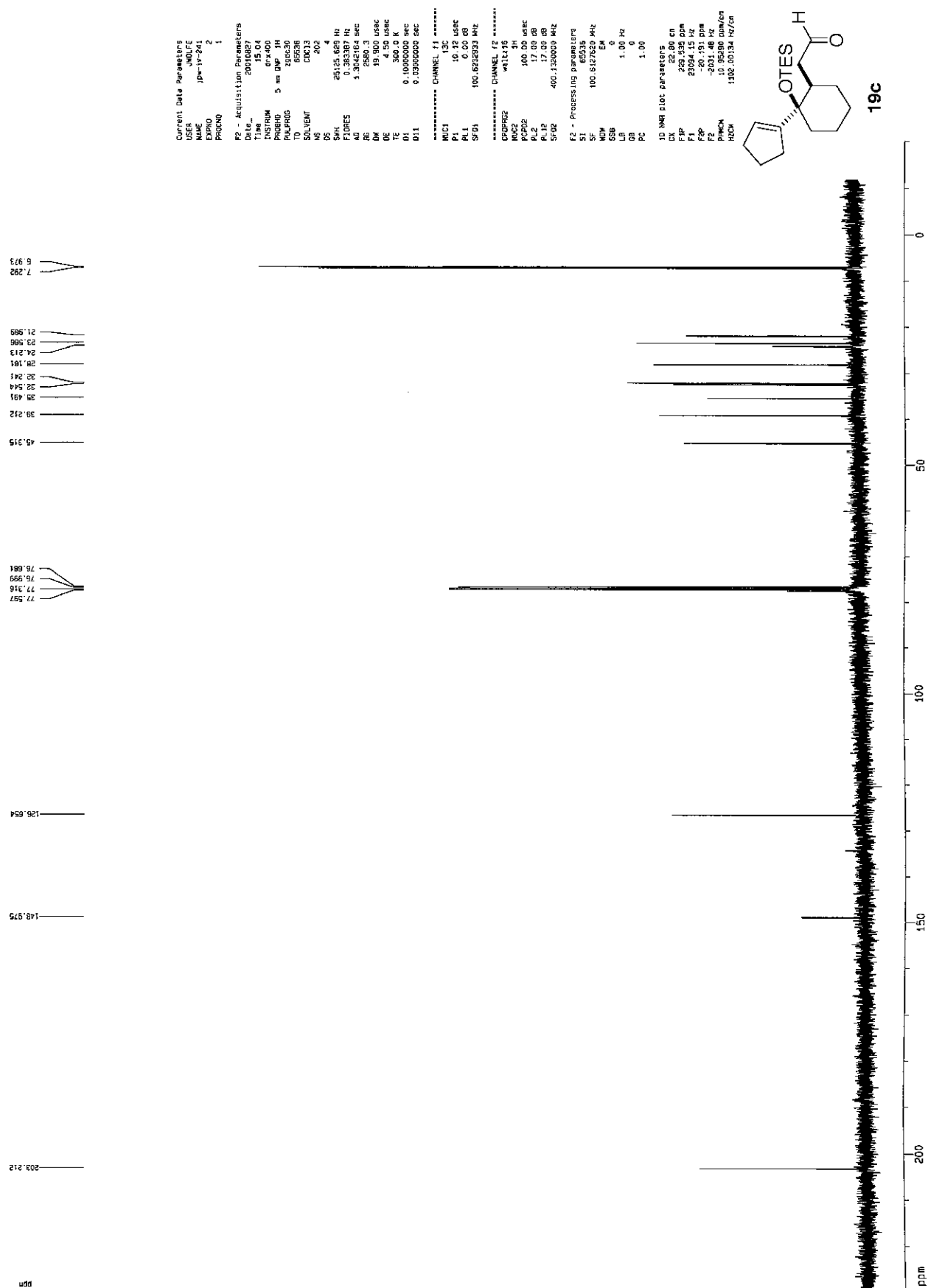


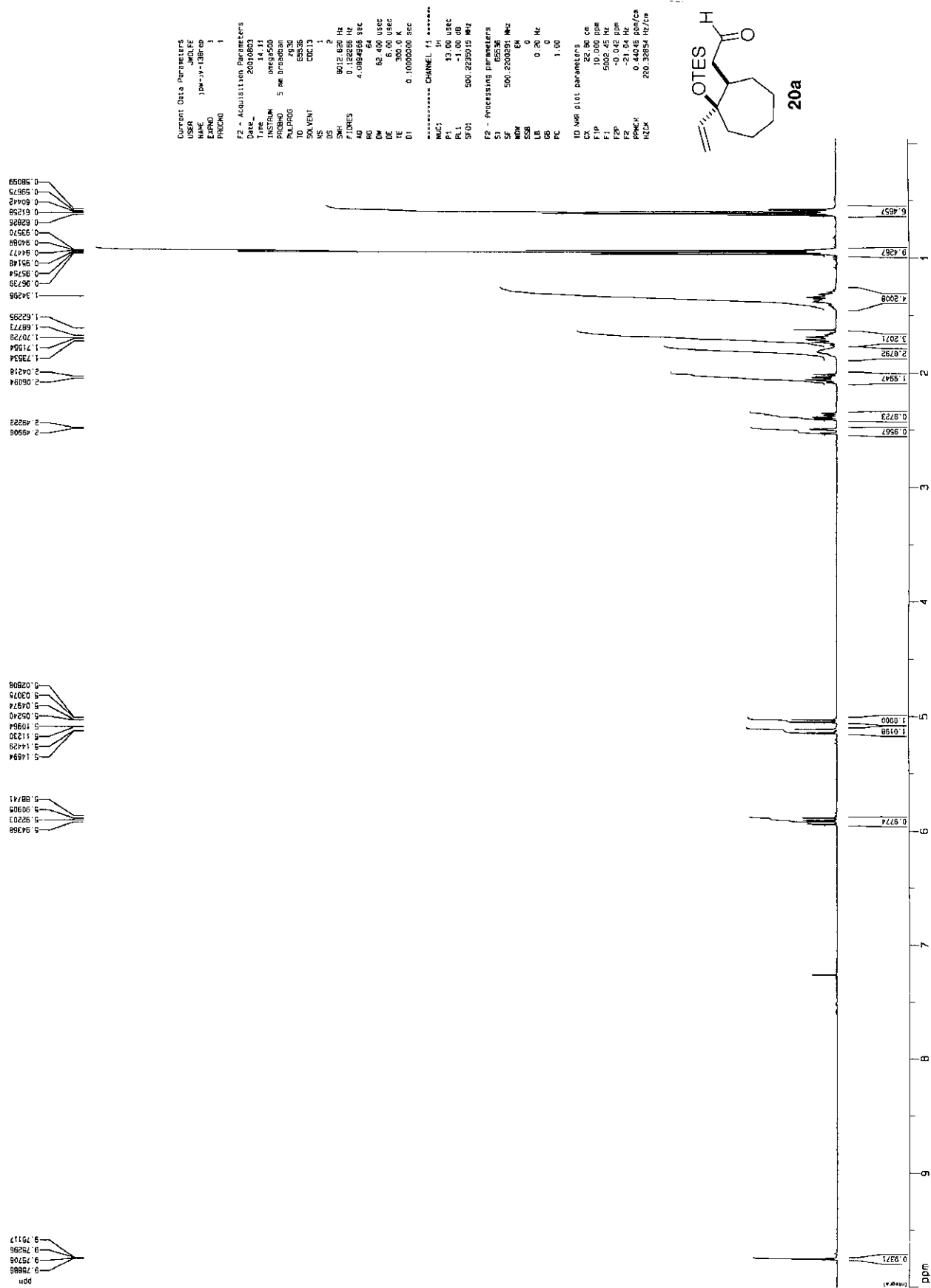


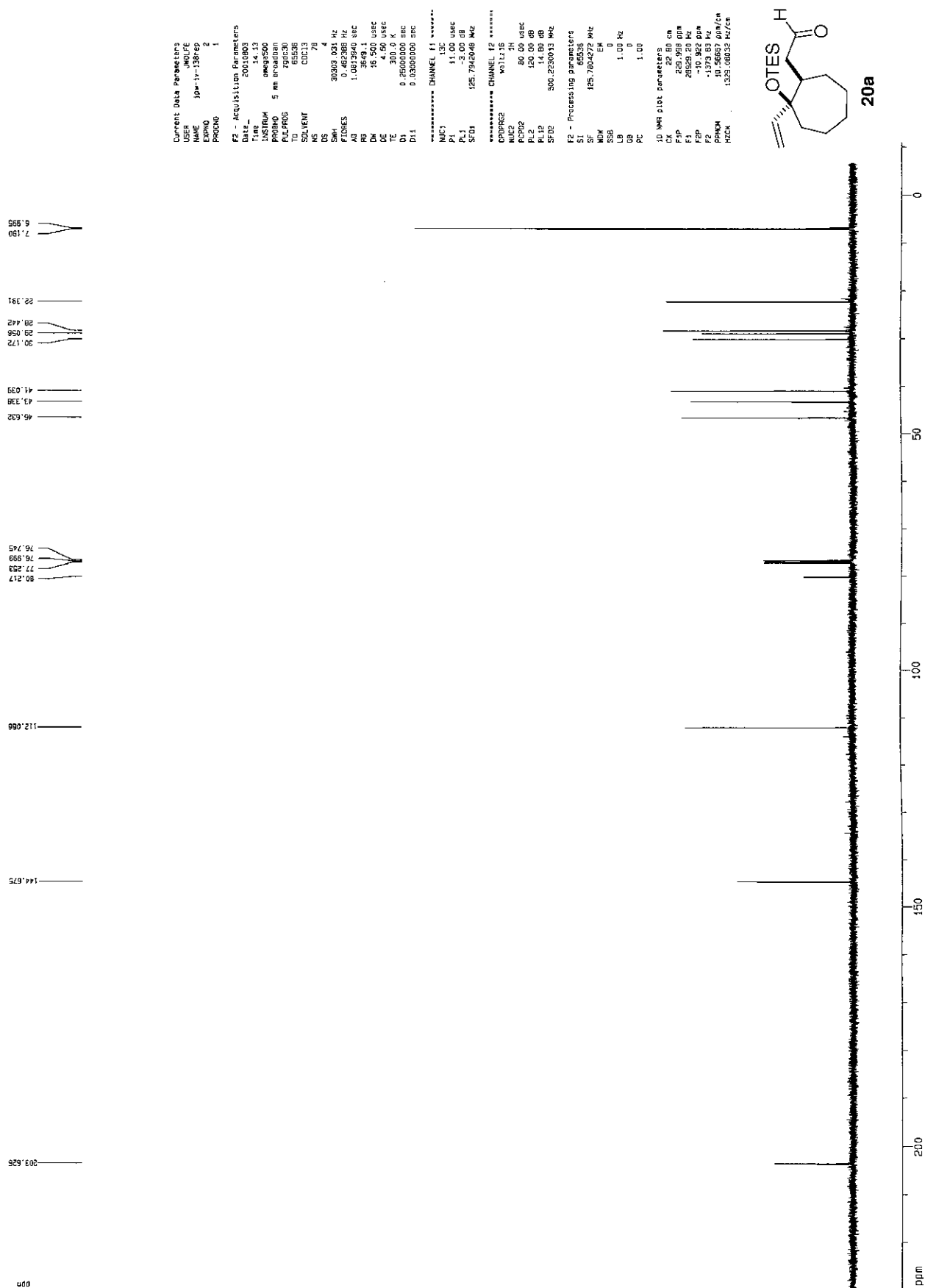


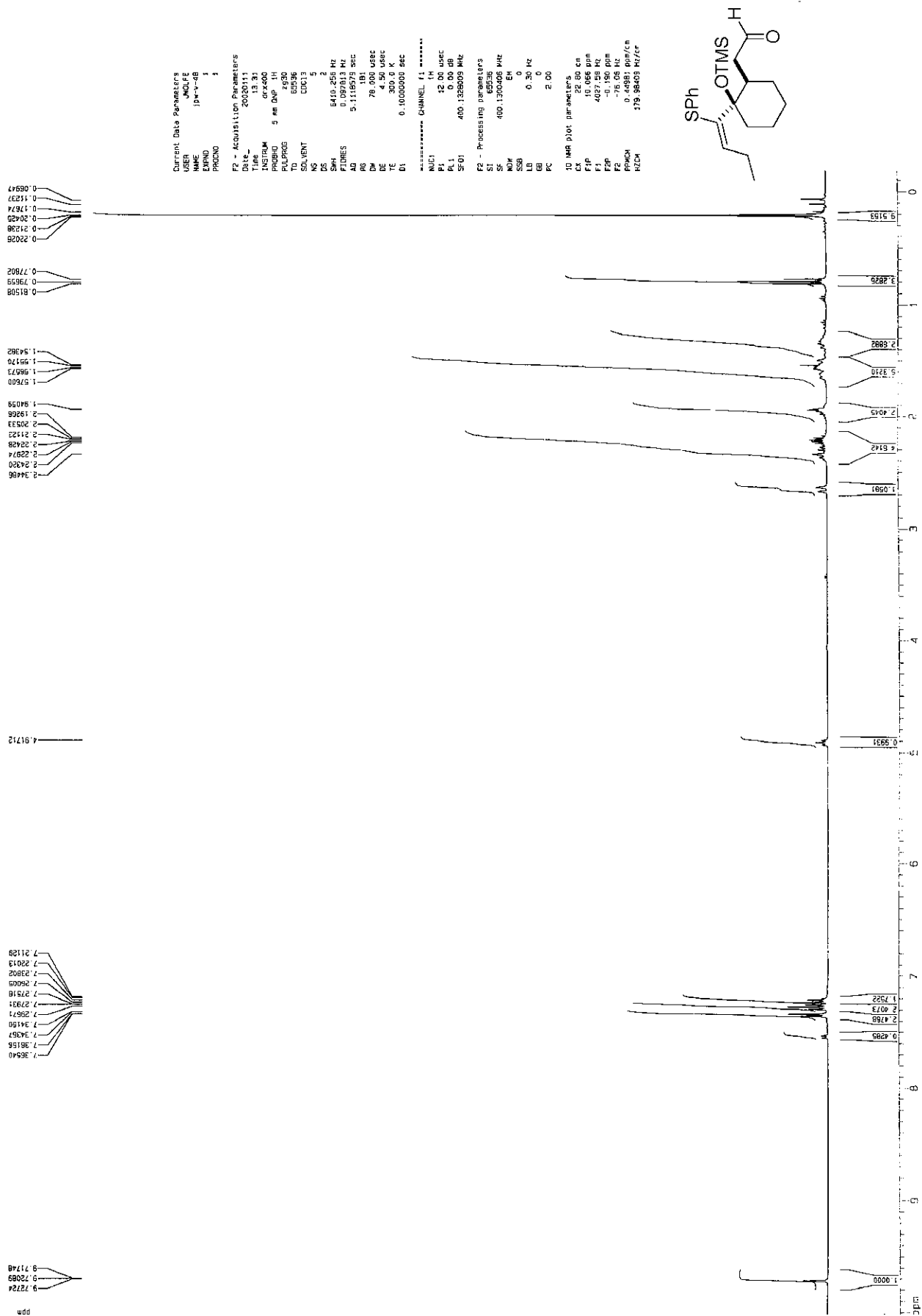


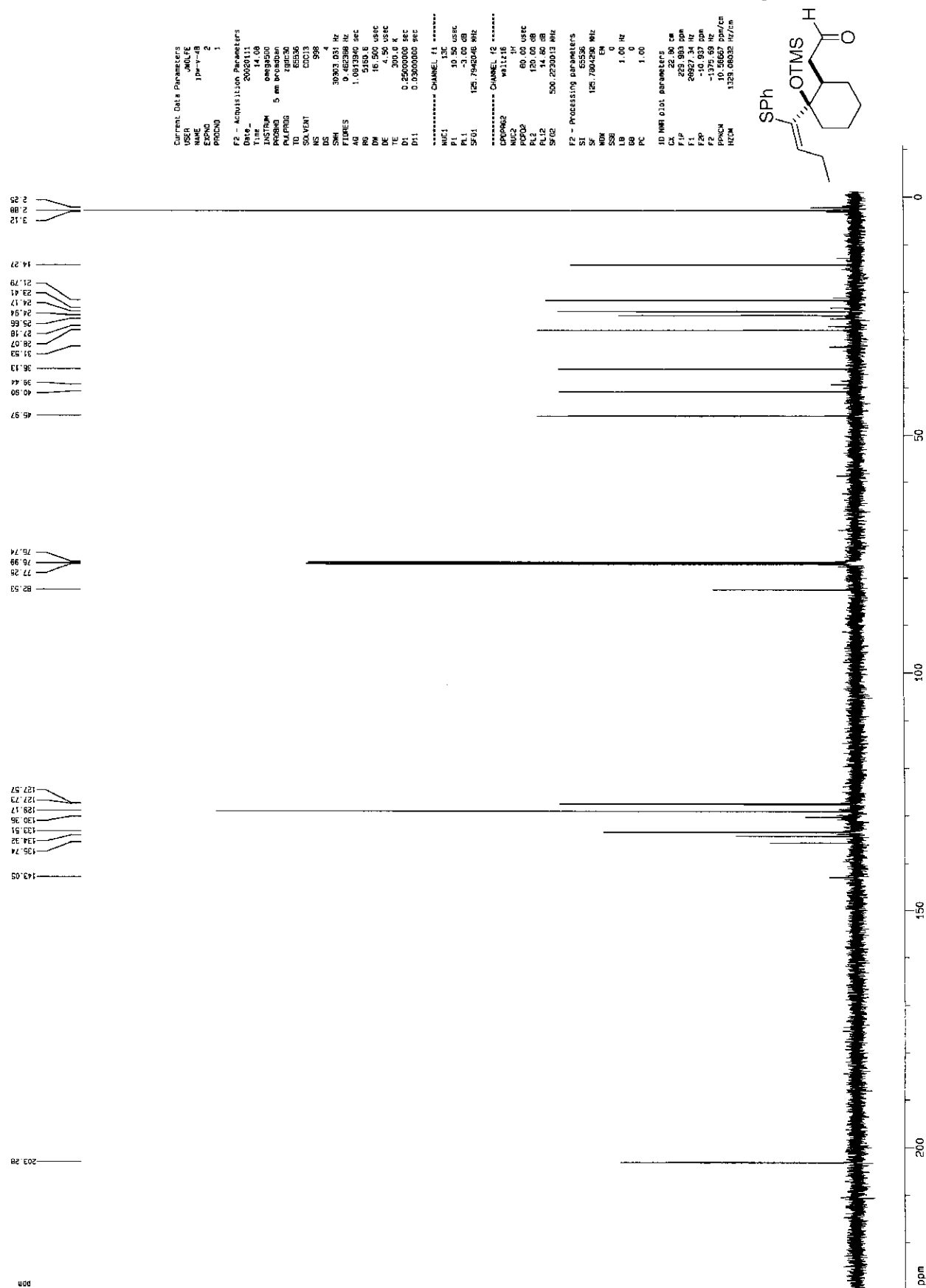


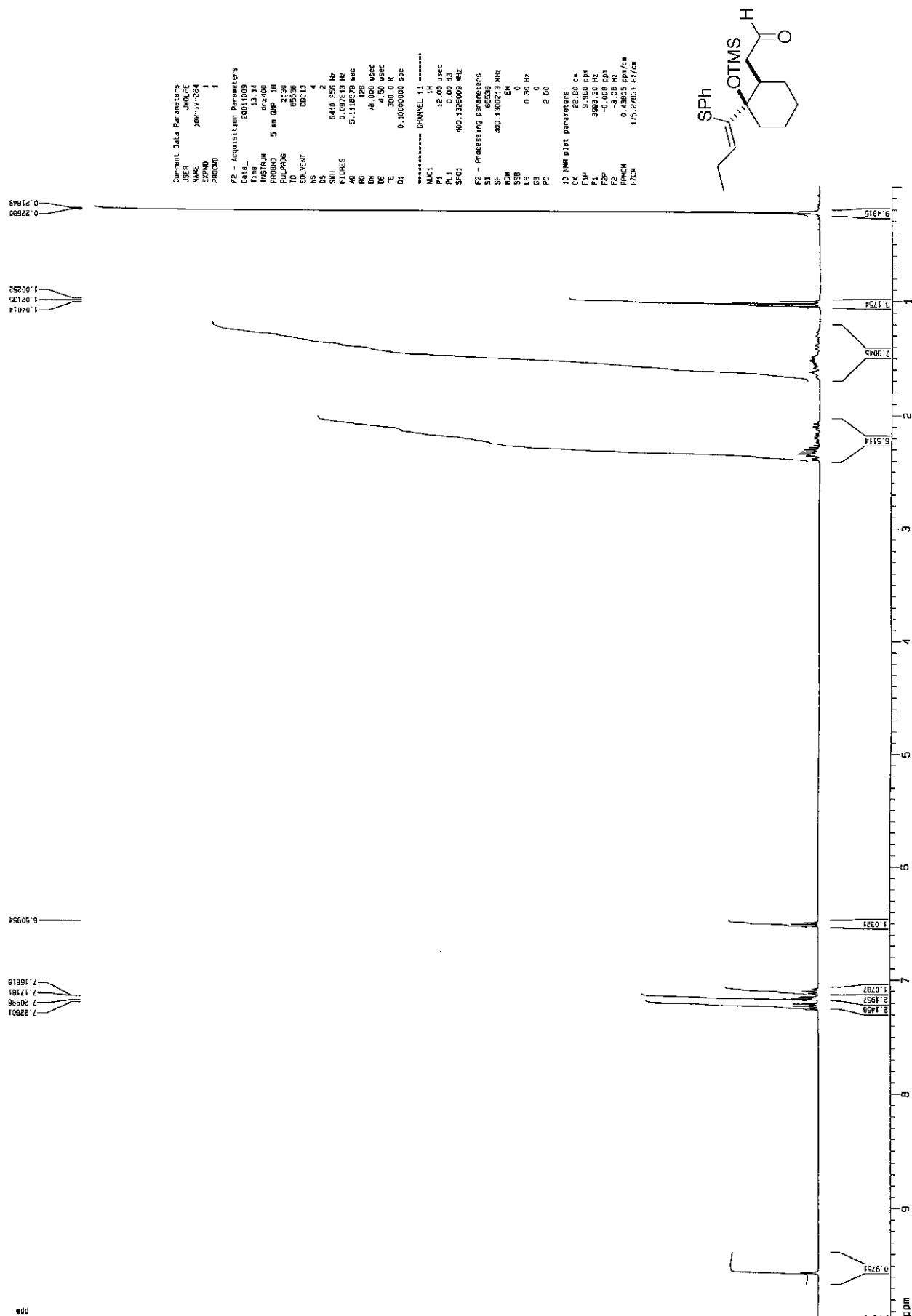


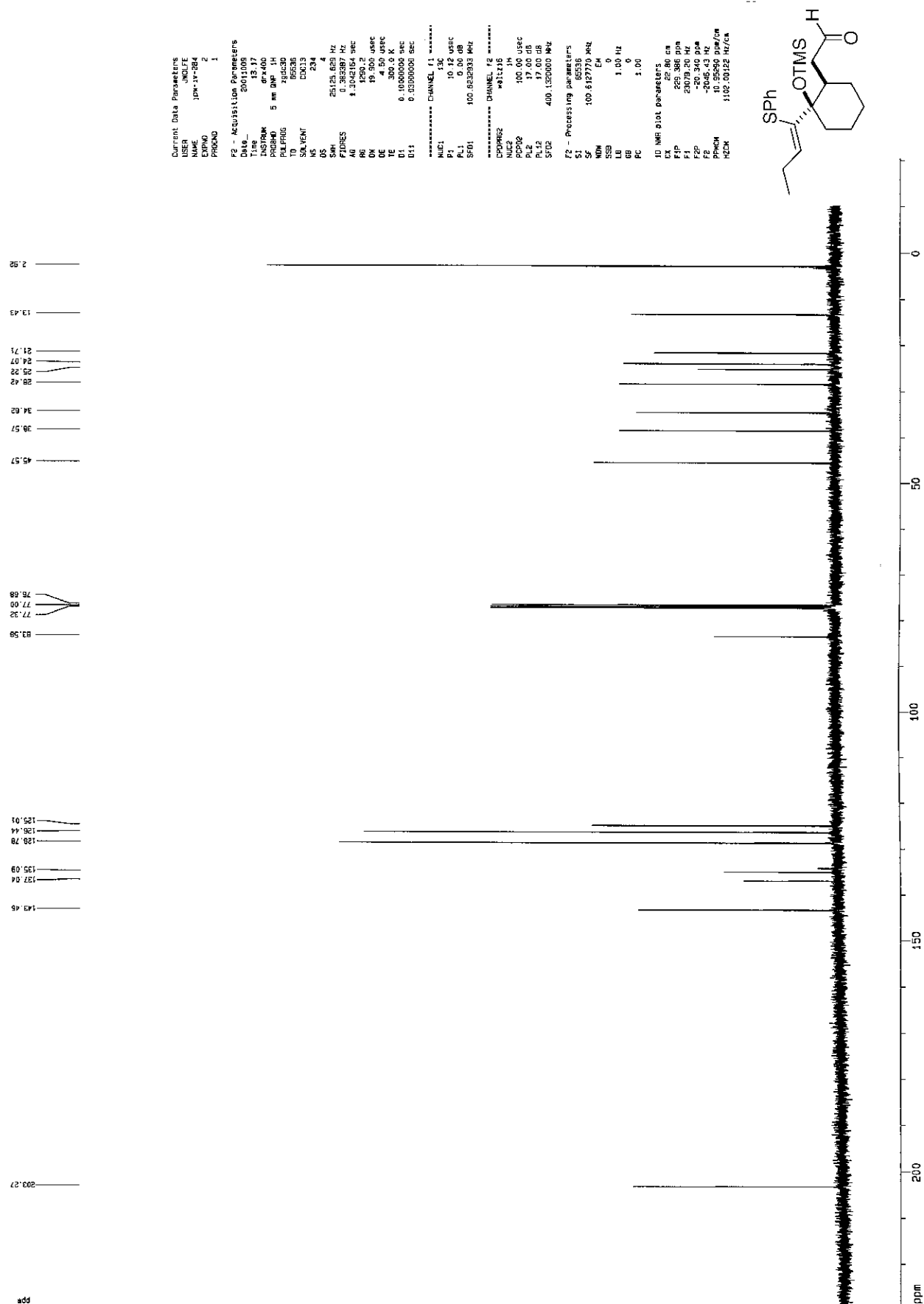


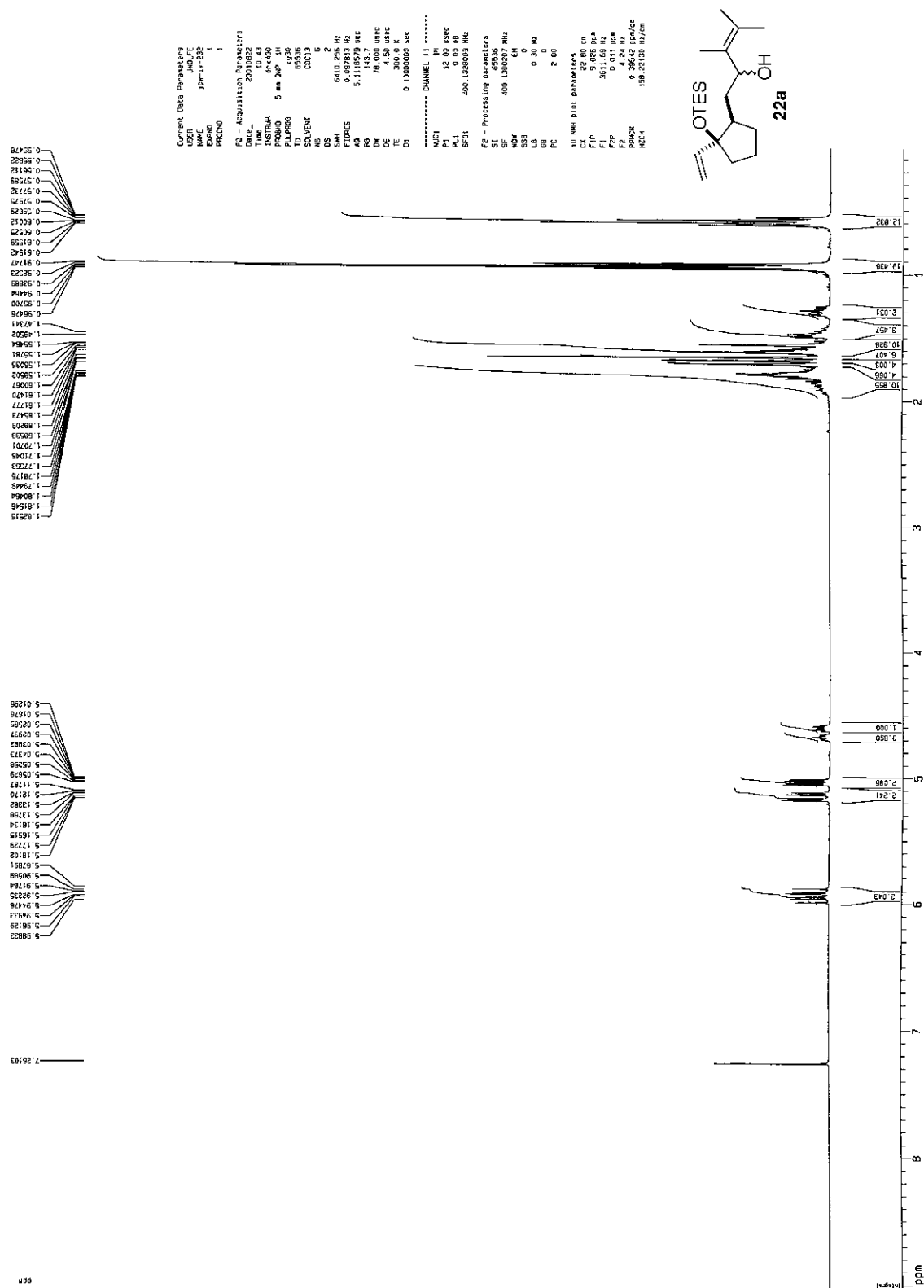


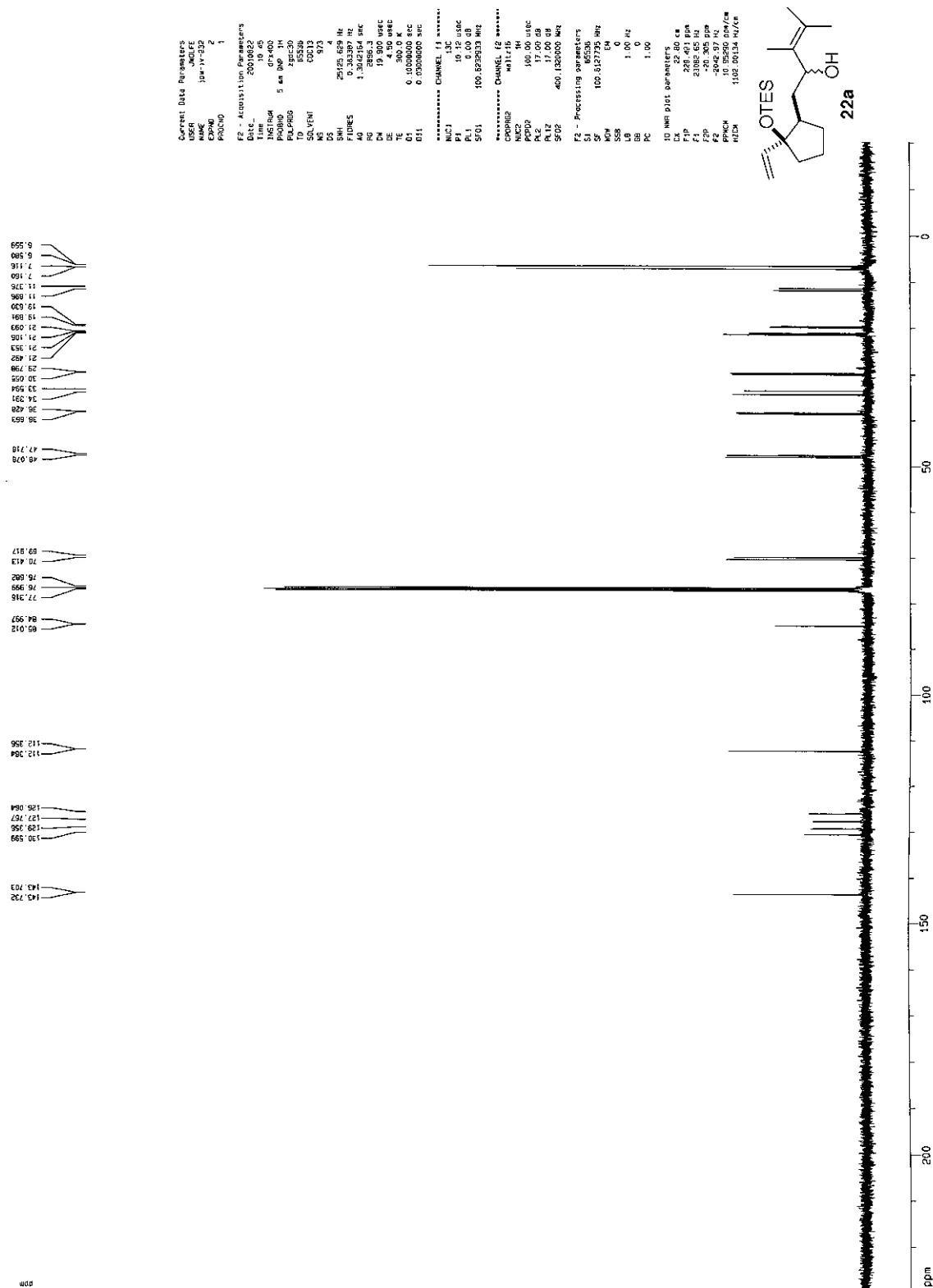










¹³C spectrum with ¹H decoupling



¹³C spectrum with ¹H decoupling