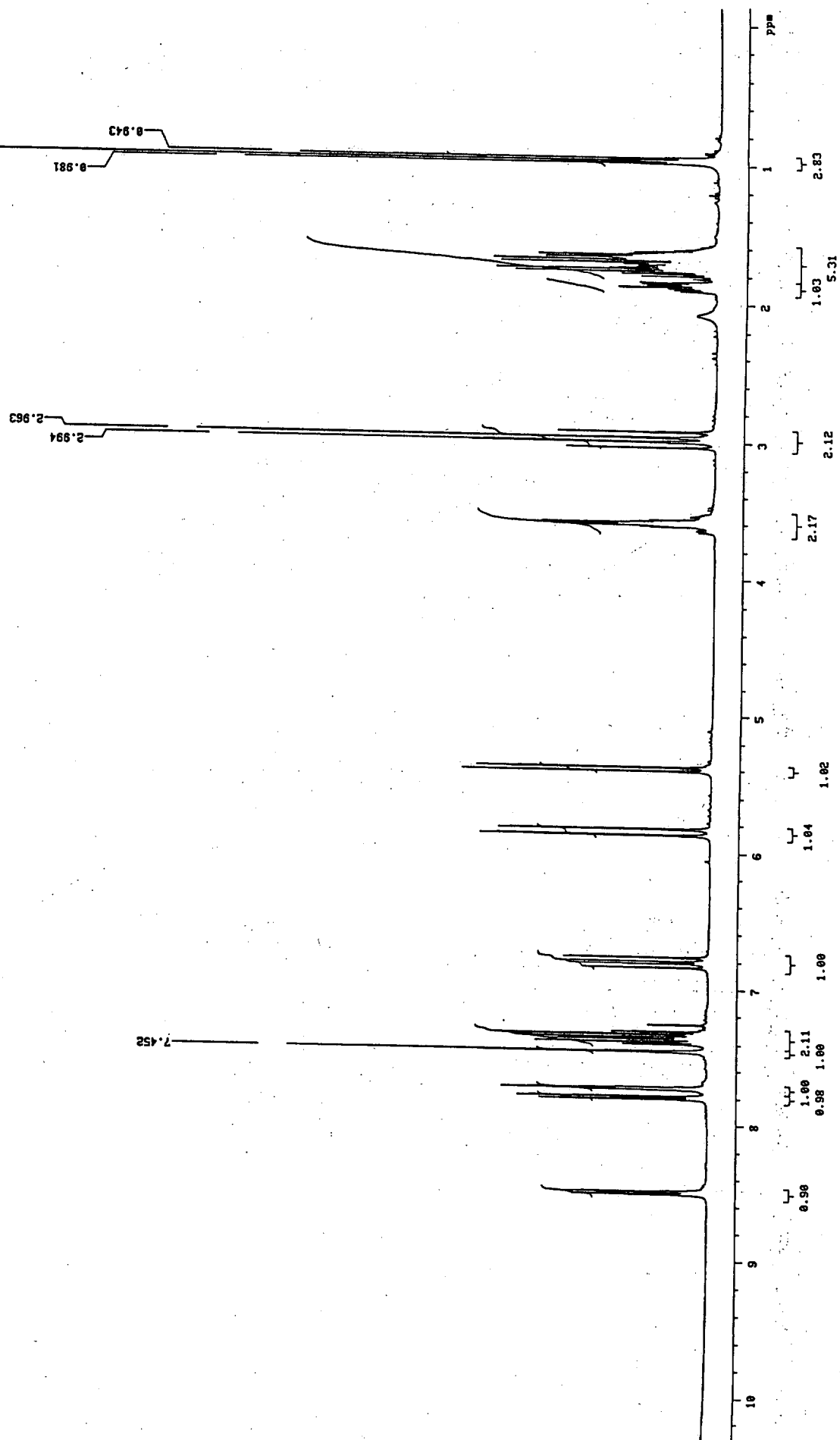
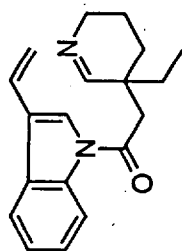


OBSERVE H1

FREQUENCY 399.952 MHz
SPECTRAL WIDTH 4408.0 Hz
ACQUISITION TIME 2.568 sec
RELAXATION DELAY 1.508 sec
PULSE WIDTH 11.0 usec
AMBIENT TEMPERATURE
NO. REPEATITIONS 64
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
LINE BROADENING 0.2 Hz
FT SIZE 32768
TOTAL ACQUISITION TIME 4 min



15-11-87

13C OBSERVE

OBSERVE C13

FREQUENCY 100.577 MHz

SPECTRAL WIDTH 25000.0 Hz

ACQUISITION TIME 1.199 sec

RELAXATION DELAY 3.000 sec

PULSE WIDTH 7.0 usec

AMBIENT TEMPERATURE

NO. REPETITIONS 80

DECOUPLE H1

HIGH POWER 44

DECOUPLER CONTINUOUSLY ON

WALTZ-16 MODULATED

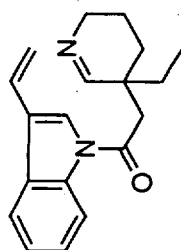
DOUBLE PRECISION ACQUISITION

DATA PROCESSING

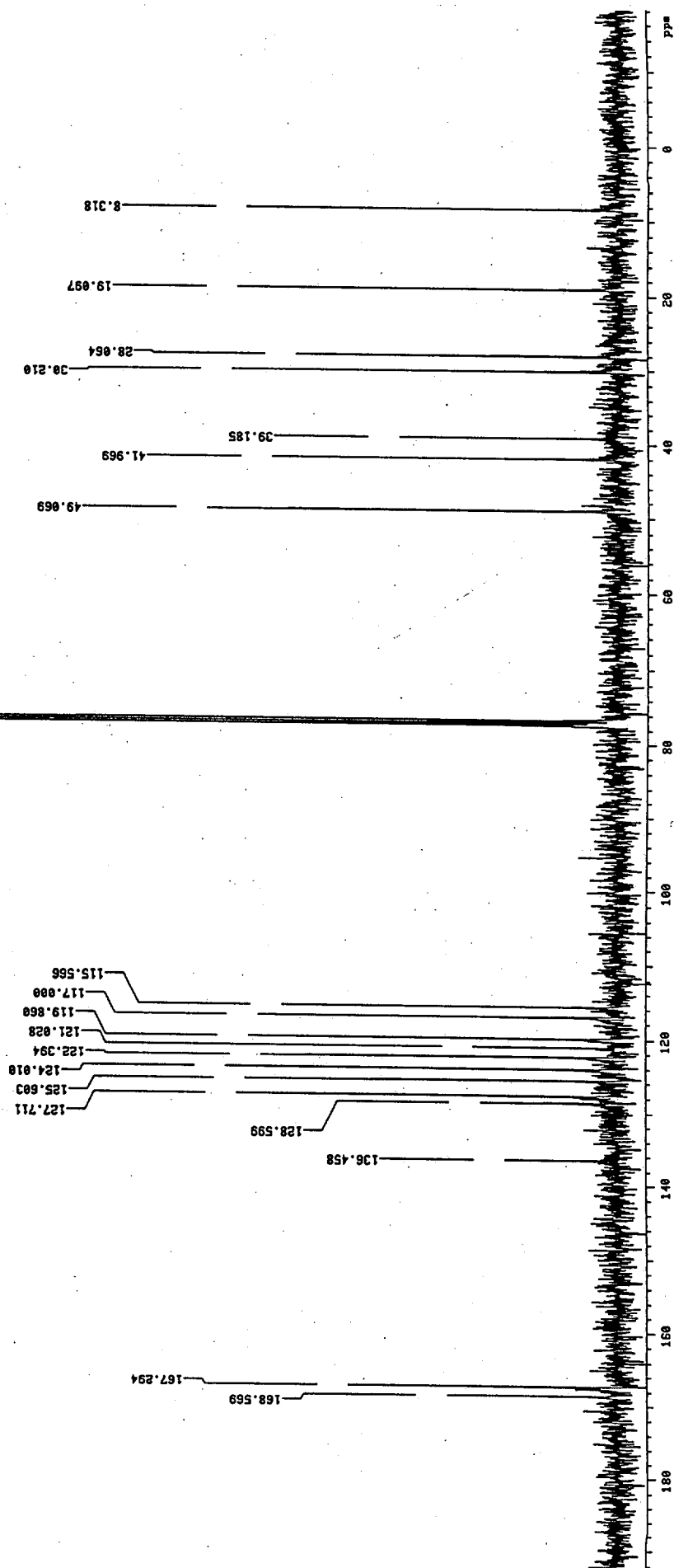
LINE BROADENING 2.5 Hz

FT SIZE 65536

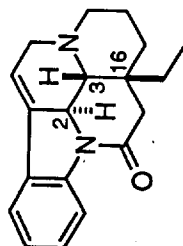
TOTAL ACQUISITION TIME 5 minutes



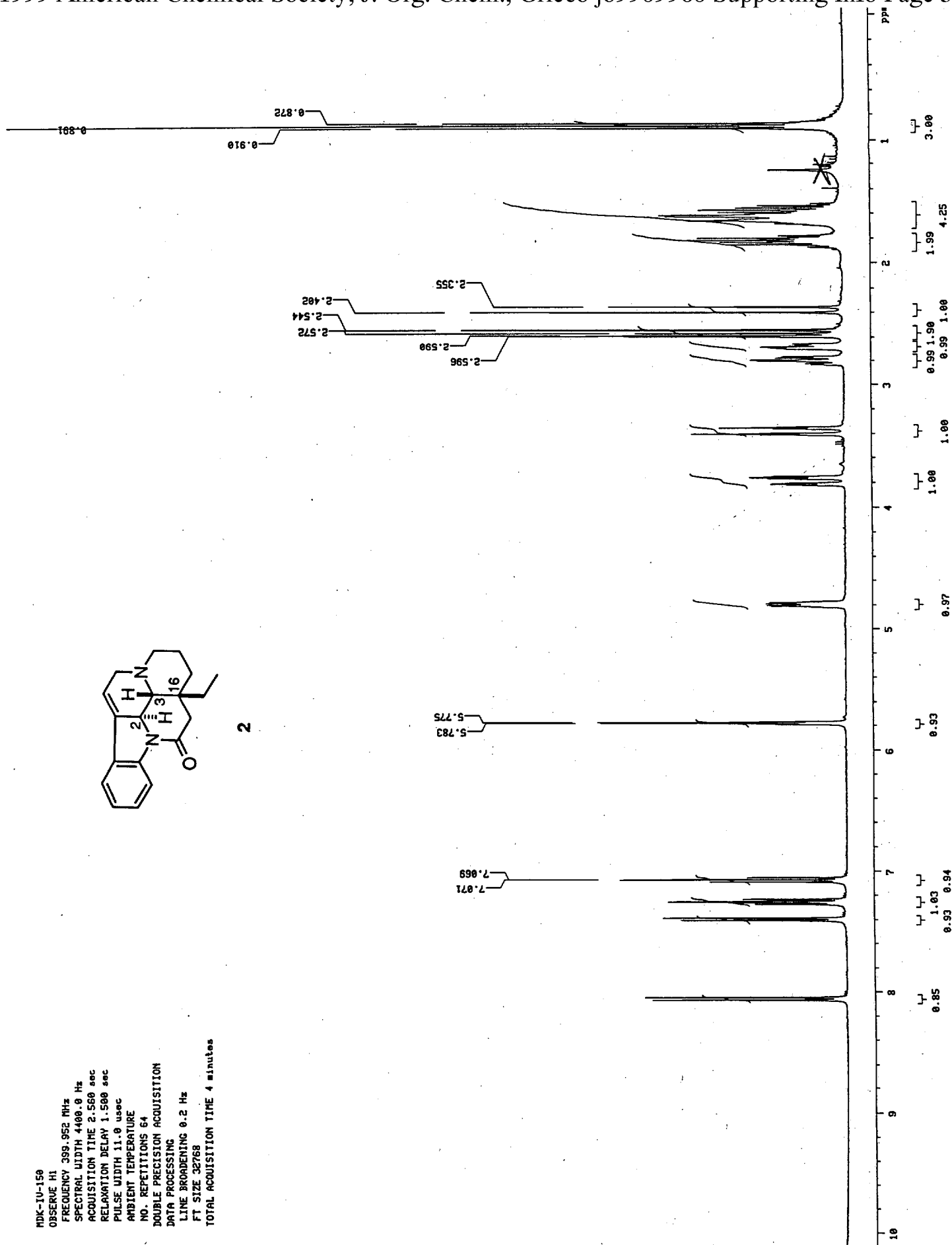
1



MDK-TU-150
 OBSERVE H1
 FREQUENCY 399.952 MHz
 SPECTRAL WIDTH 4400.0 Hz
 ACQUISITION TIME 2.560 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 11.0 usec
 AMBIENT TEMPERATURE
 NO. REPETITIONS 64
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.2 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 4 minutes

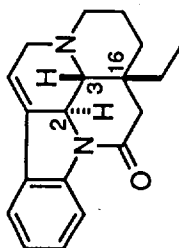


2

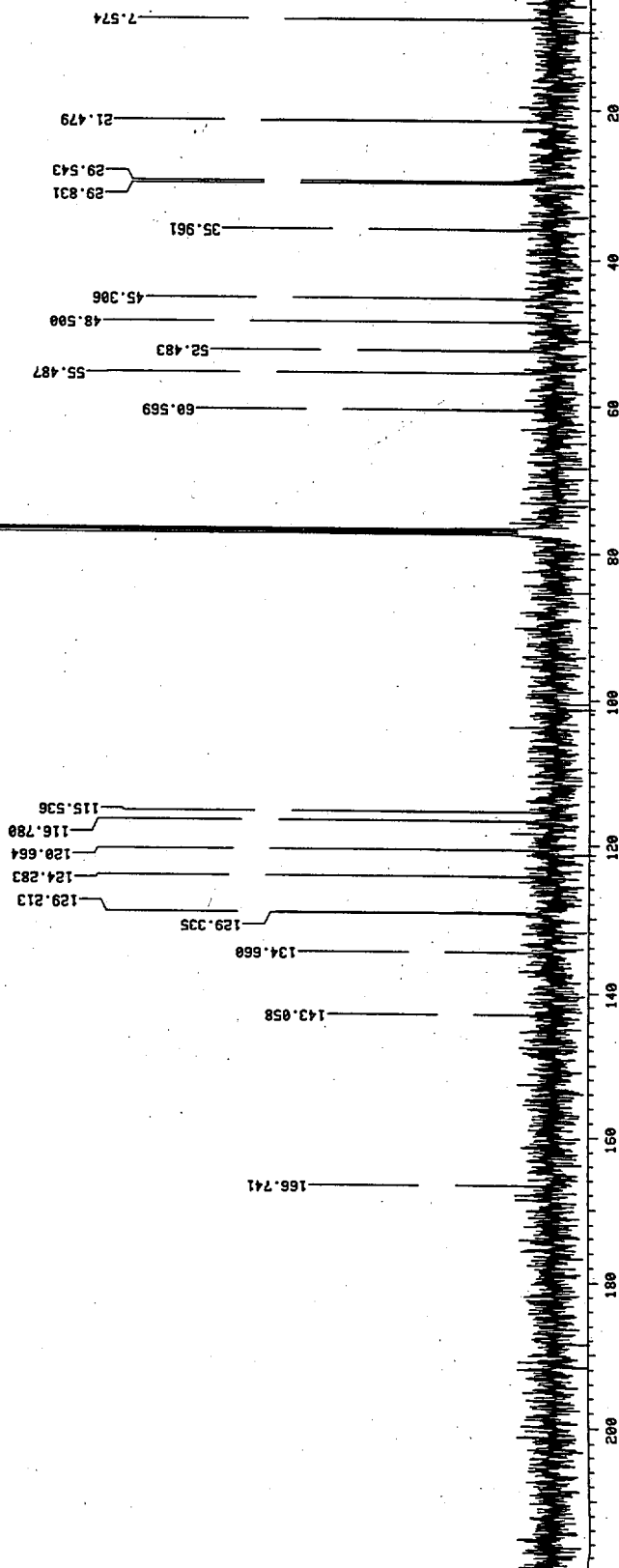


13C OBSERVE

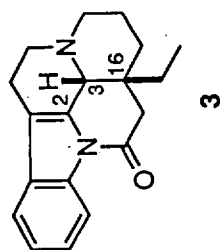
OBSERVE C13
 FREQUENCY 100.577 MHz
 SPECTRAL WIDTH 25000.0 Hz
 ACQUISITION TIME 1.199 sec
 RELAXATION DELAY 3.000 sec
 PULSE WIDTH 7.0 usec
 AMBIENT TEMPERATURE
 NO. REPETITIONS 120
 DECOUPLE M1
 HIGH POWER 44
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 2.5 Hz
 FT SIZE 65536
 TOTAL ACQUISITION TIME 8 minutes



77.319
 77.000
 76.681



5



3

7.299
7.285
7.260

7.304

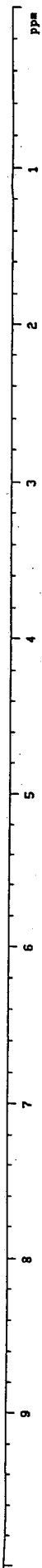
7.427
7.322

8.377

3.995

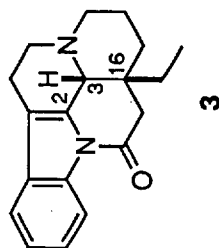
2.658
2.611

0.953
0.915
0.934

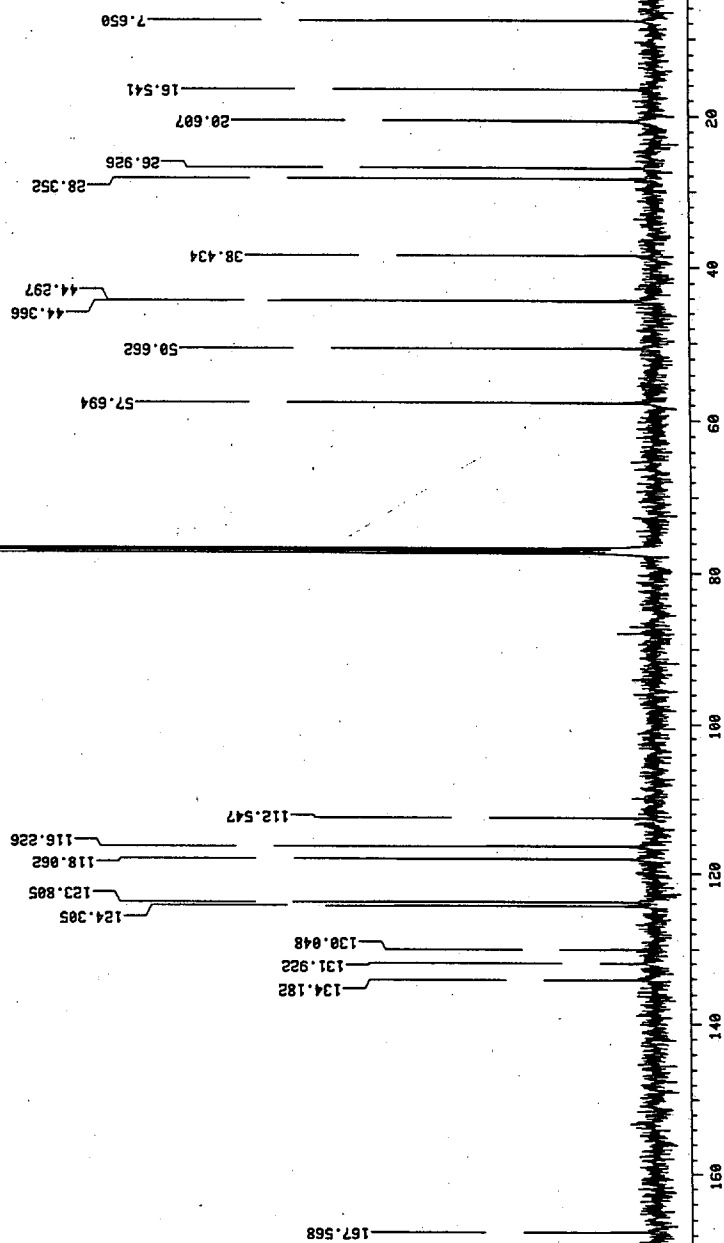


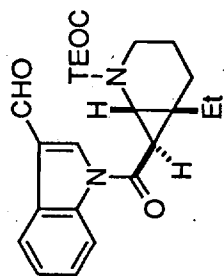
9.96
2.04
1.01
2.17
2.19
1.18
2.99
1.29
3.41
1.10
1.17
2.57
0.98

not-170

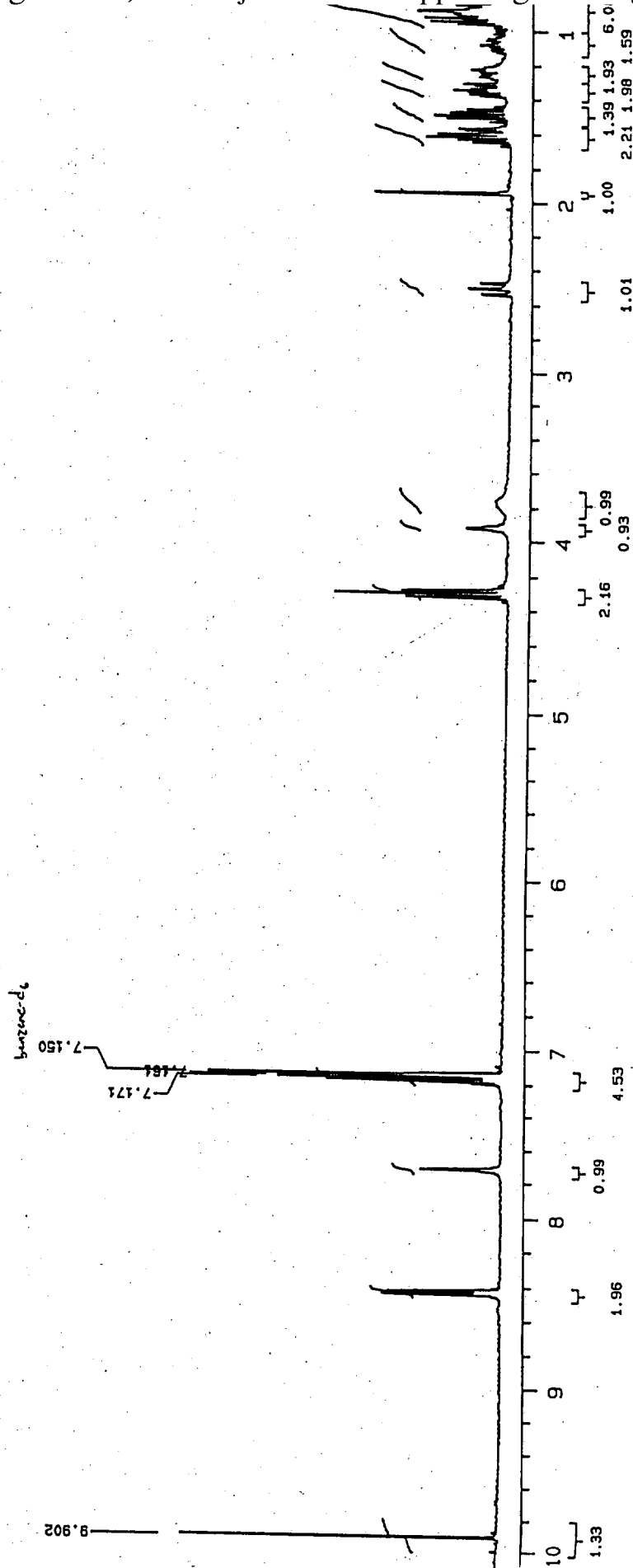


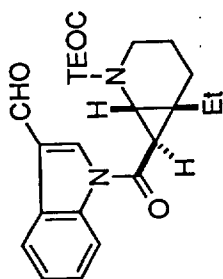
Synthetic aburnasonine
 OBSERVE C13
 FREQUENCY 100.577 MHz
 SPECTRAL WIDTH 25000.0 Hz
 ACQUISITION TIME 1.199 sec
 RELAXATION DELAY 3.000 sec
 PULSE WIDTH 7.0 usec
 AMBIENT TEMPERATURE
 NO. REPETITIONS 300
 DECOUPLE H1
 HIGH POWER 44
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 2.5 Hz
 FT SIZE 65536
 TOTAL ACQUISITION TIME 21 minutes





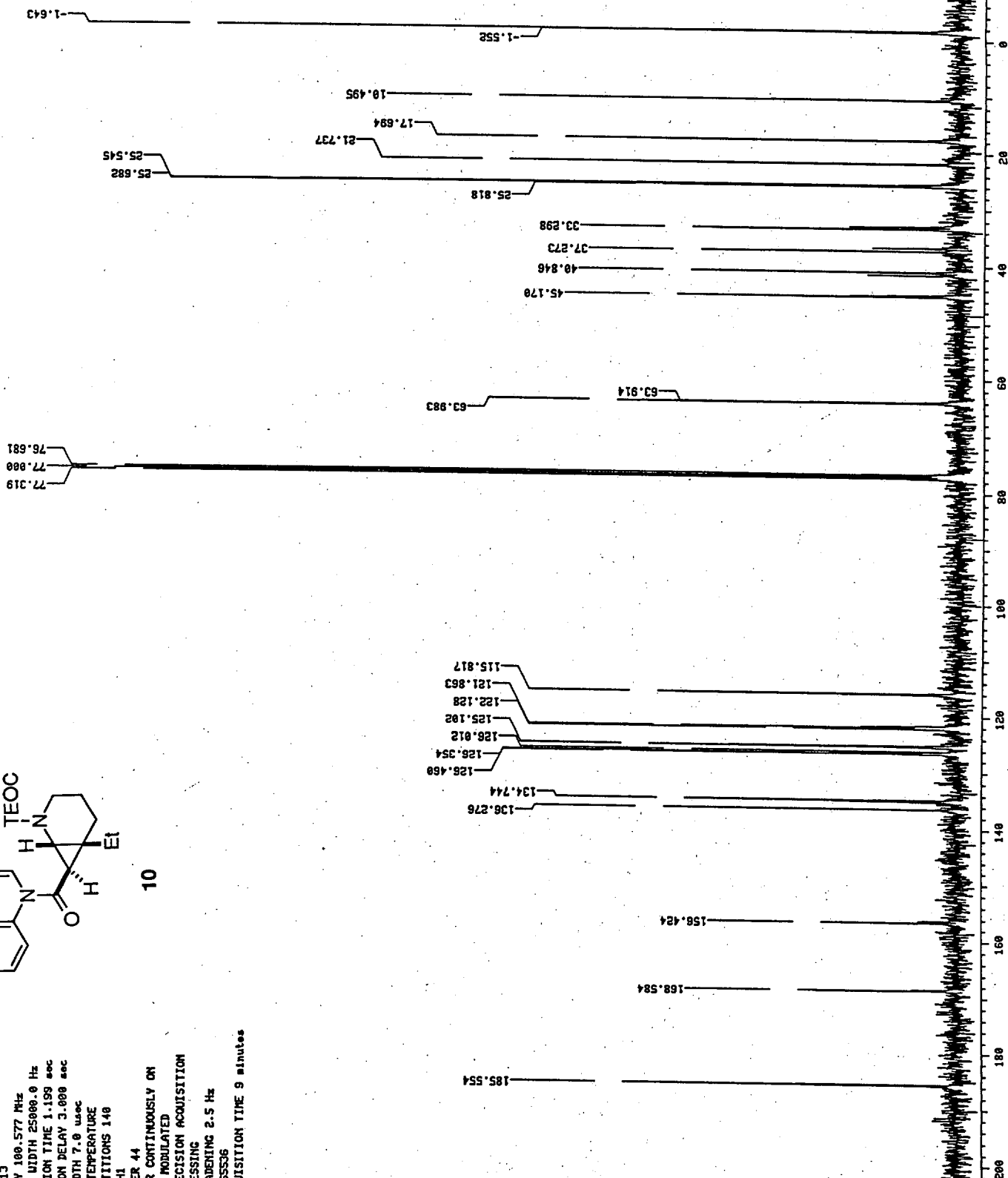
10

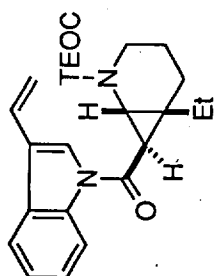




10

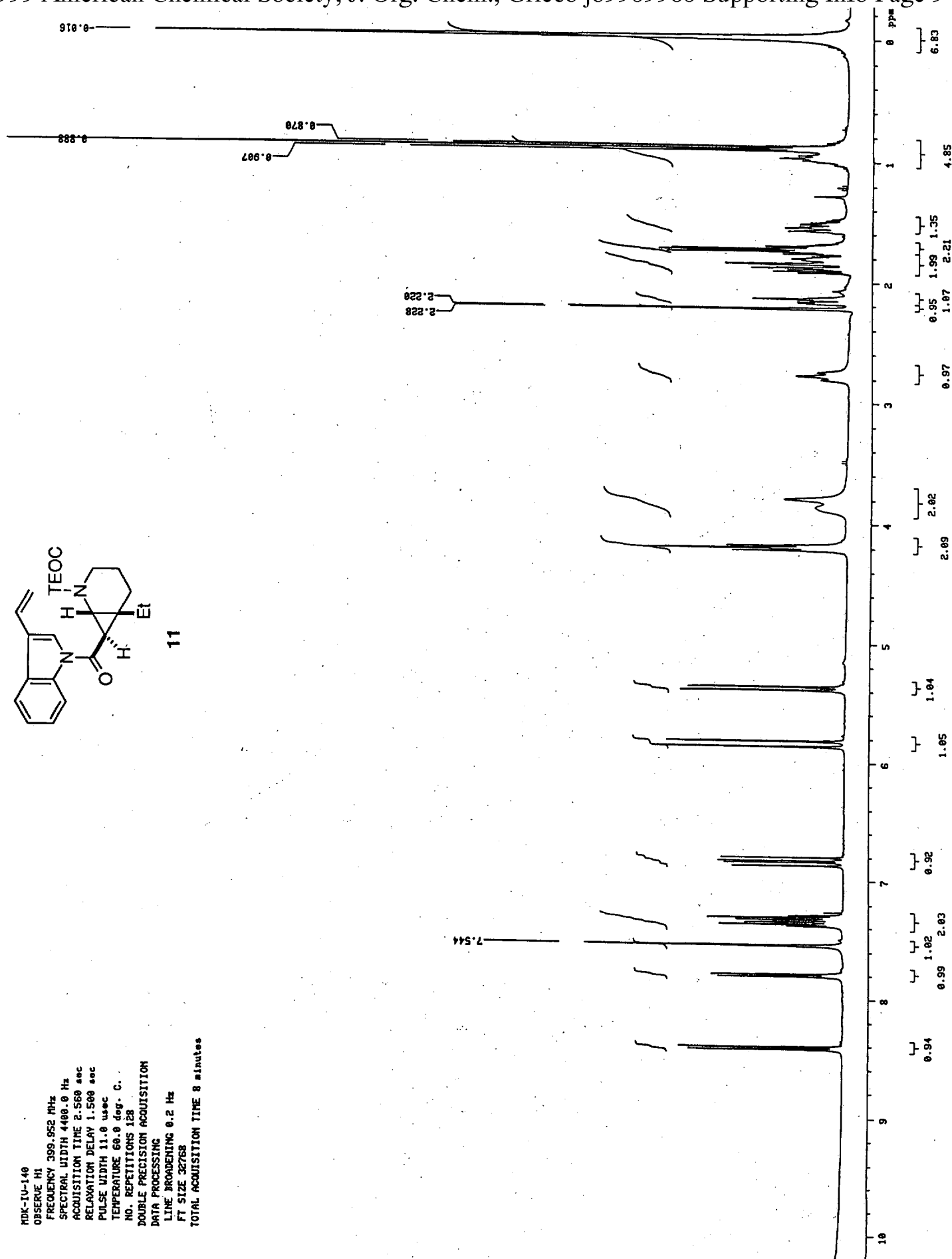
OBSERVE C13
 FREQUENCY 100.577 MHz
 SPECTRAL WIDTH 25000.0 Hz
 ACQUISITION TIME 1.199 sec
 RELAXATION DELAY 3.000 sec
 PULSE WIDTH 7.0 usec
 AMBIENT TEMPERATURE
 NO. REPETITIONS 140
 DECOUPLE H1
 HIGH POWER 44
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 2.5 Hz
 FT SIZE 65536
 TOTAL ACQUISITION TIME 9 minutes



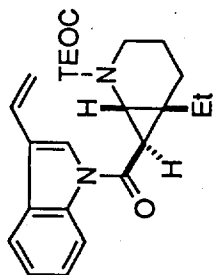


11

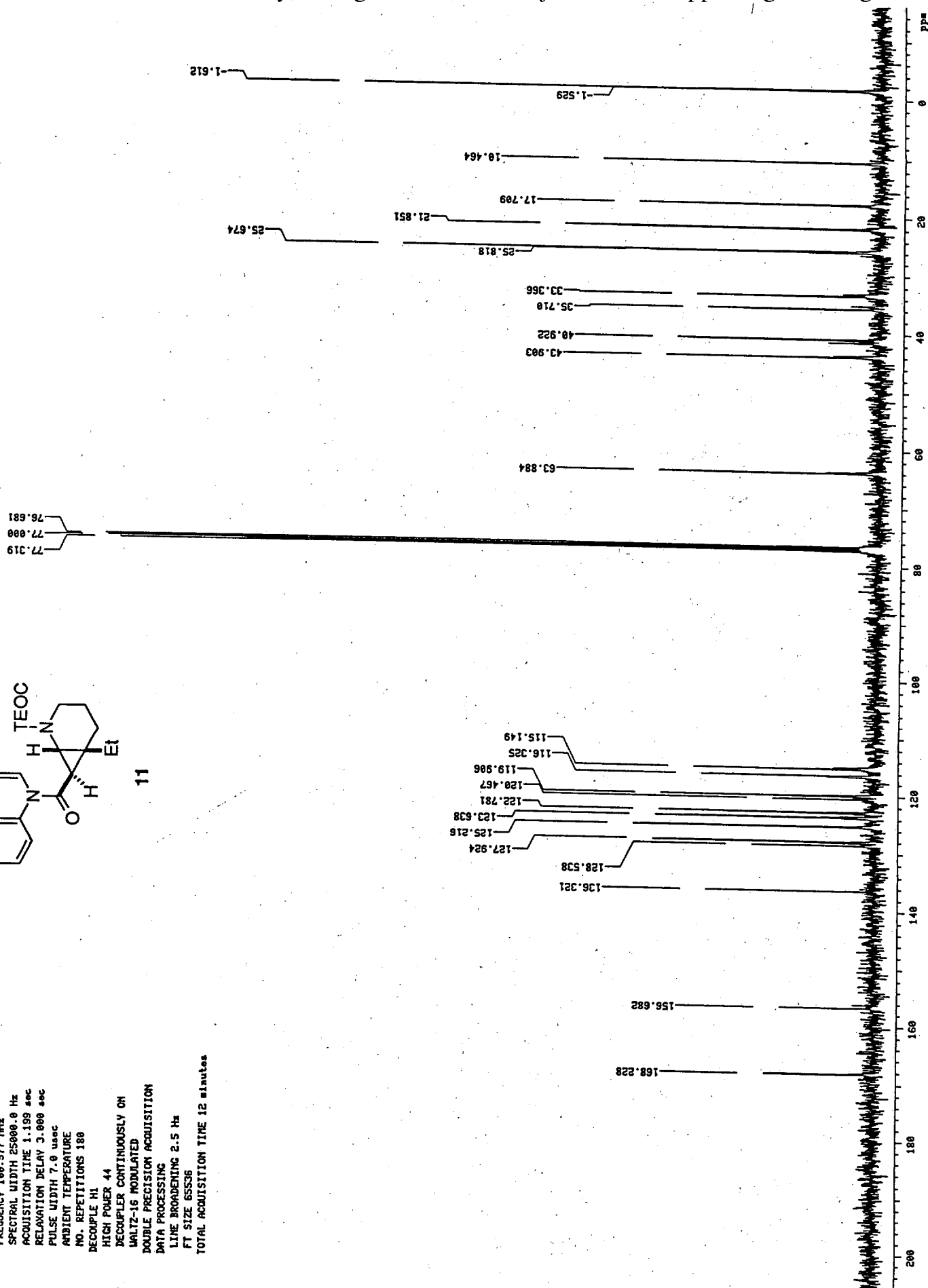
MDX-IU-140
 OBSERVE H1
 FREQUENCY 399.952 MHz
 SPECTRAL WIDTH 4480.0 Hz
 ACQUISITION TIME 2.560 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 11.0 usec
 TEMPERATURE 60.0 deg. C.
 NO. REPETITIONS 128
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.2 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 8 minutes

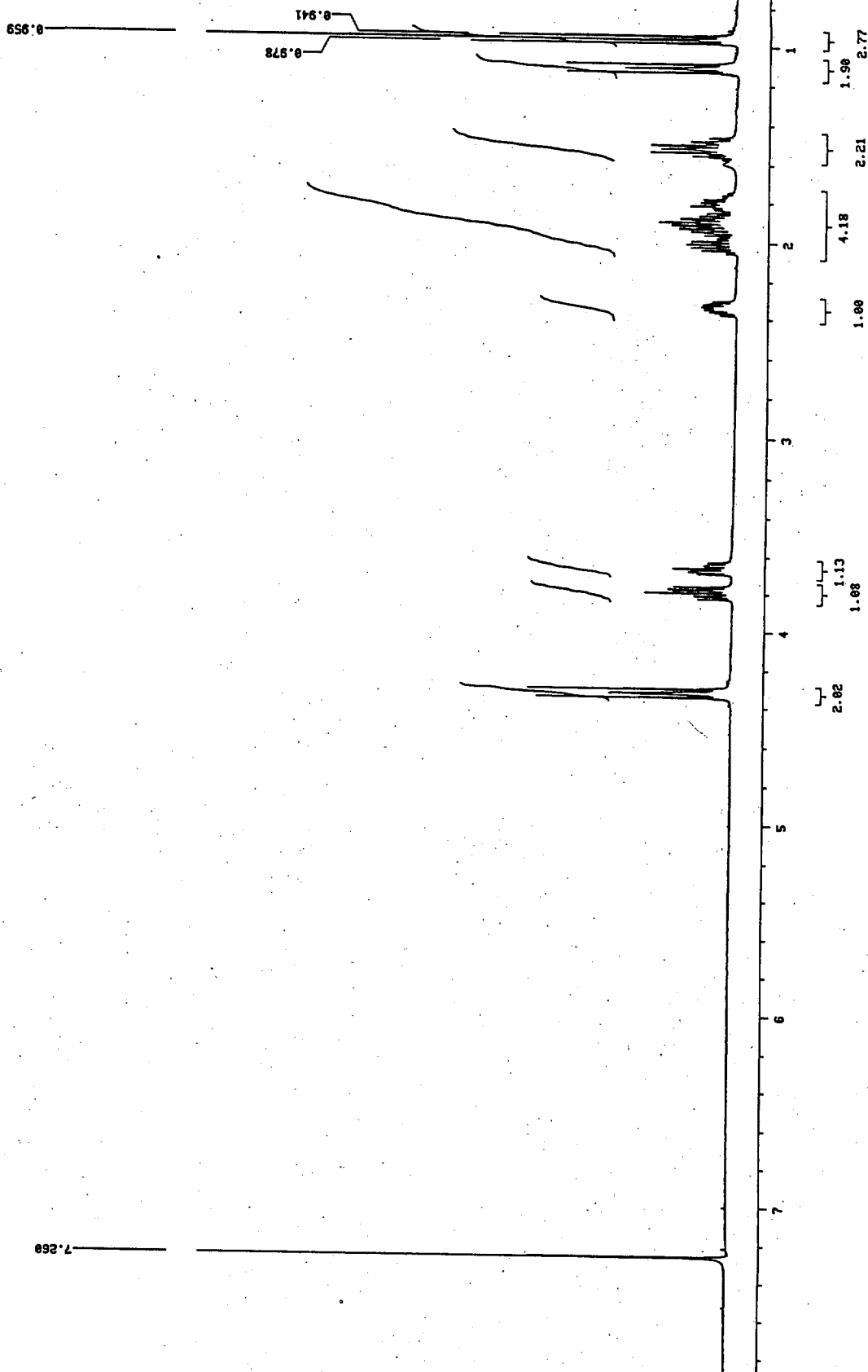
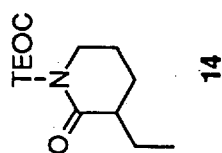


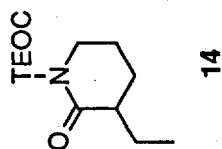
MDK-1U-140
 OBSERVE C13
 FREQUENCY 100.577 MHz
 SPECTRAL WIDTH 25000.0 Hz
 ACQUISITION TIME 1.199 sec
 RELAXATION DELAY 3.000 sec
 PULSE WIDTH 7.0 usec
 AMBIENT TEMPERATURE
 NO. REPETITIONS 180
 DECOUPLE H1
 HIGH POWER 44
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 2.5 Hz
 FT SIZE 65536
 TOTAL ACQUISITION TIME 12 minutes

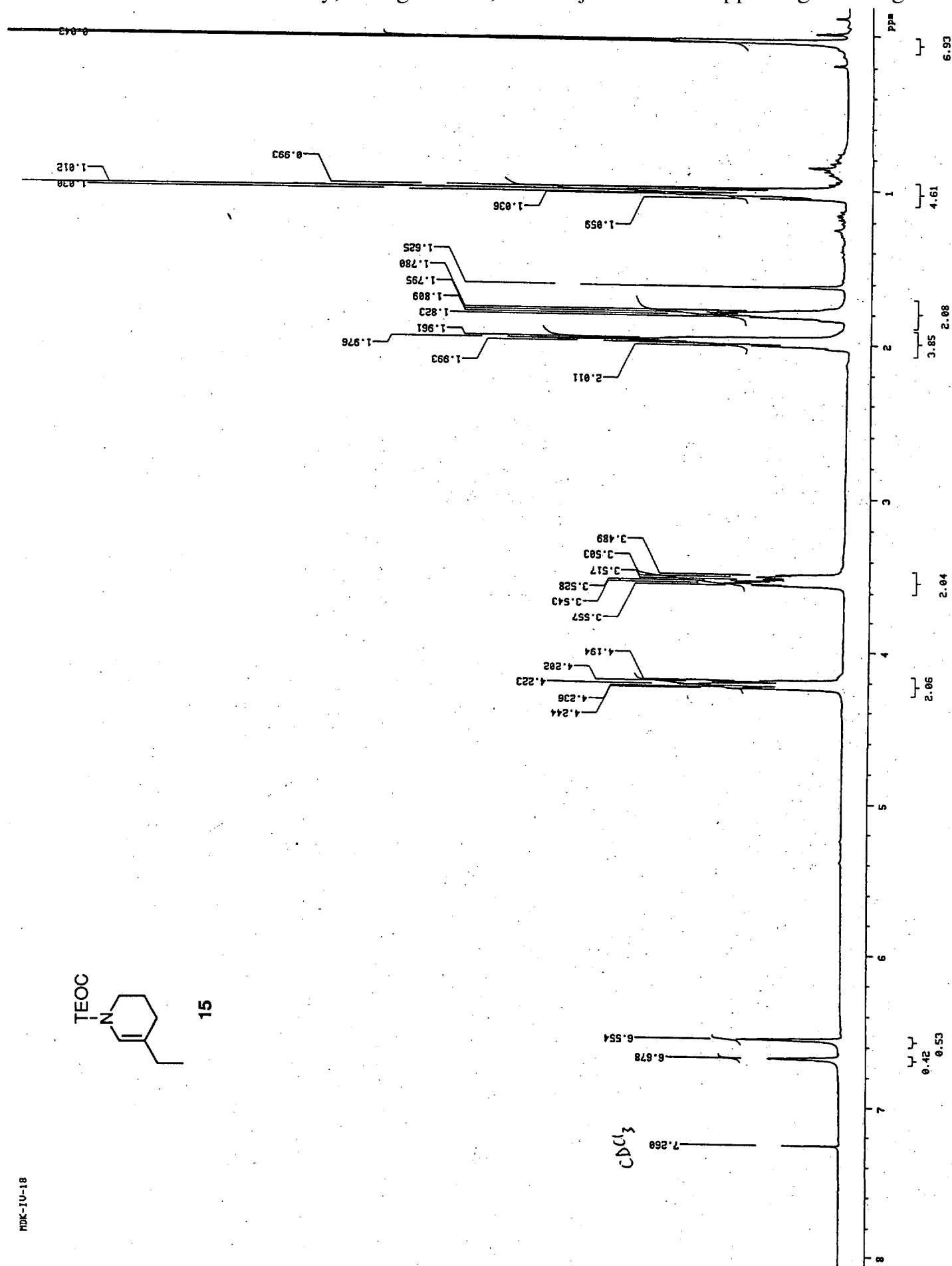


11









13C OBSERVE

OBSERVE C13

FREQUENCY 100.577 MHz

SPECTRAL WIDTH 25000.0 Hz

ACQUISITION TIME 1.199 sec

RELAXATION DELAY 3.000 sec

PULSE WIDTH 7.0 usec

AMBIENT TEMPERATURE

NO. REPETITIONS 100

DECOUPLE H1

HIGH POWER 44

DECOUPLER CONTINUOUSLY ON

WALTZ-16 MODULATED

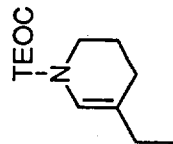
DOUBLE PRECISION ACQUISITION

DATA PROCESSING

LINE BROADENING 2.5 Hz

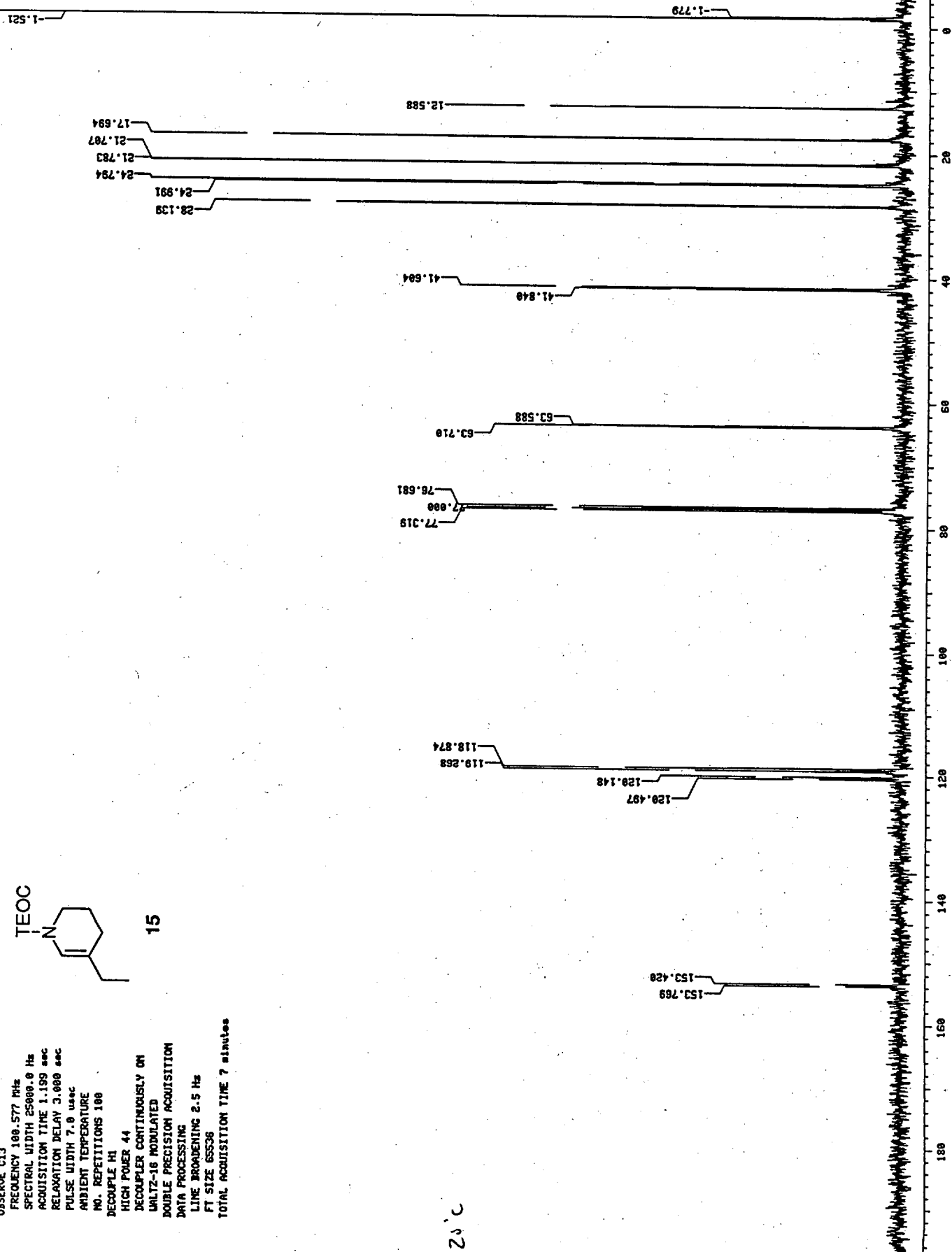
FT SIZE 65536

TOTAL ACQUISITION TIME 7 minutes

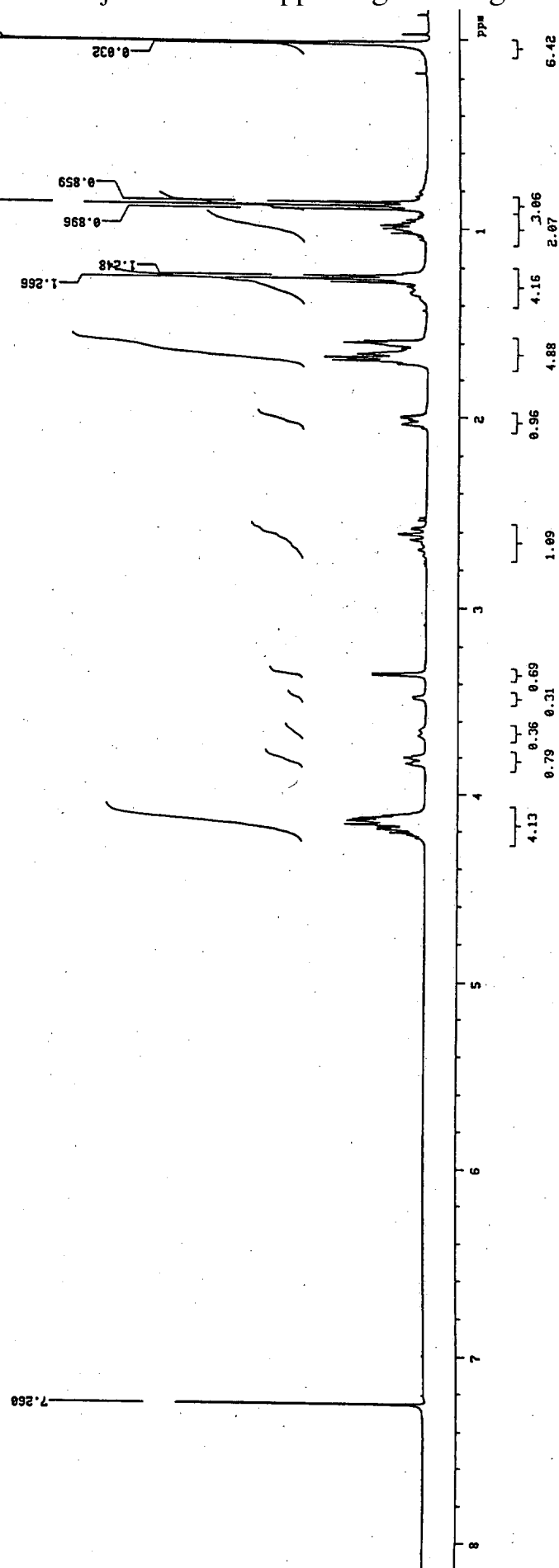
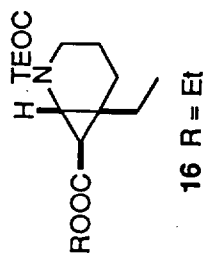


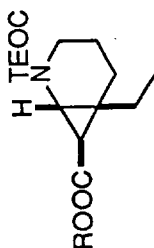
15

T = 20°C



100K-IV-114 A distilled

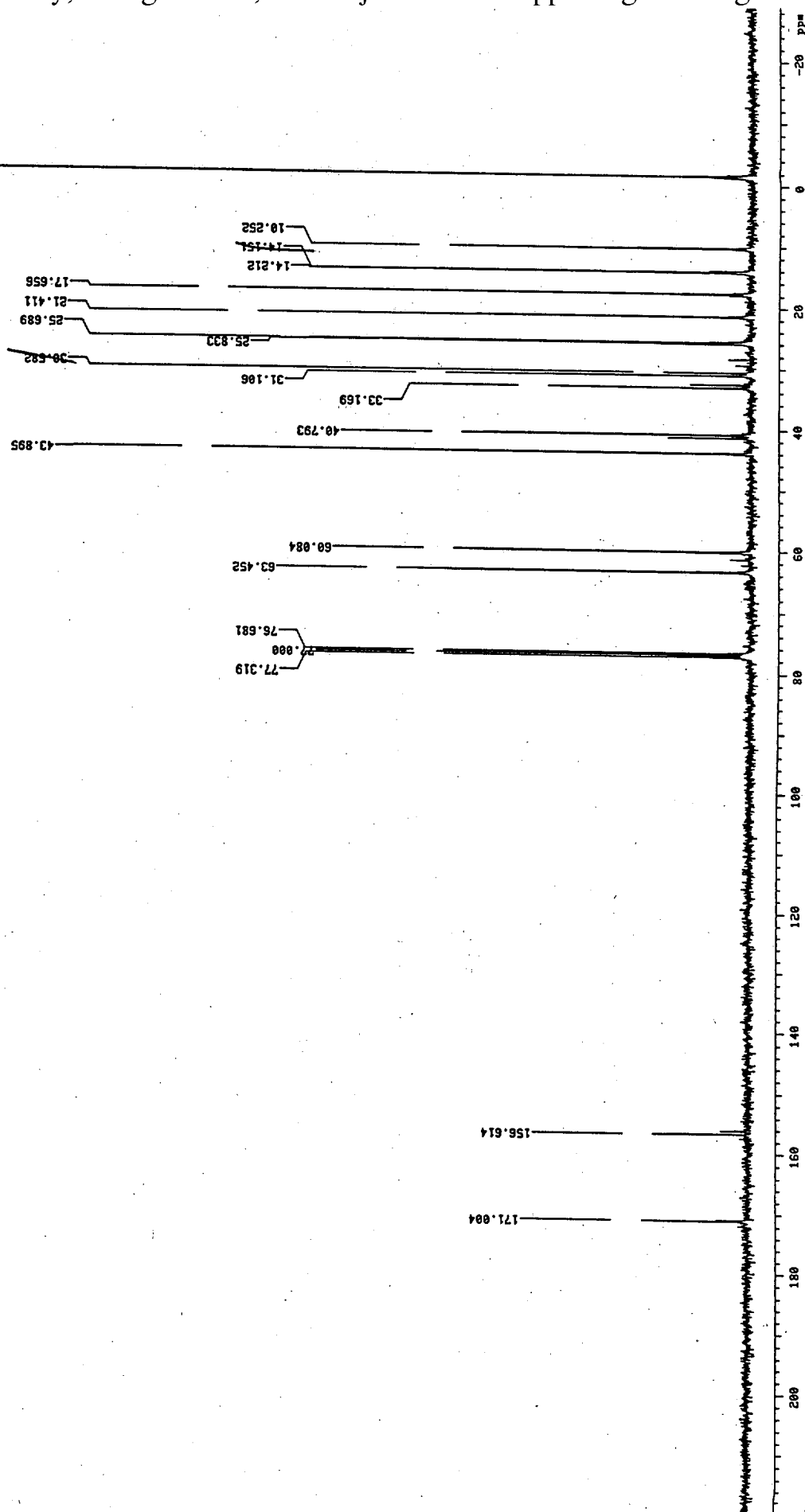




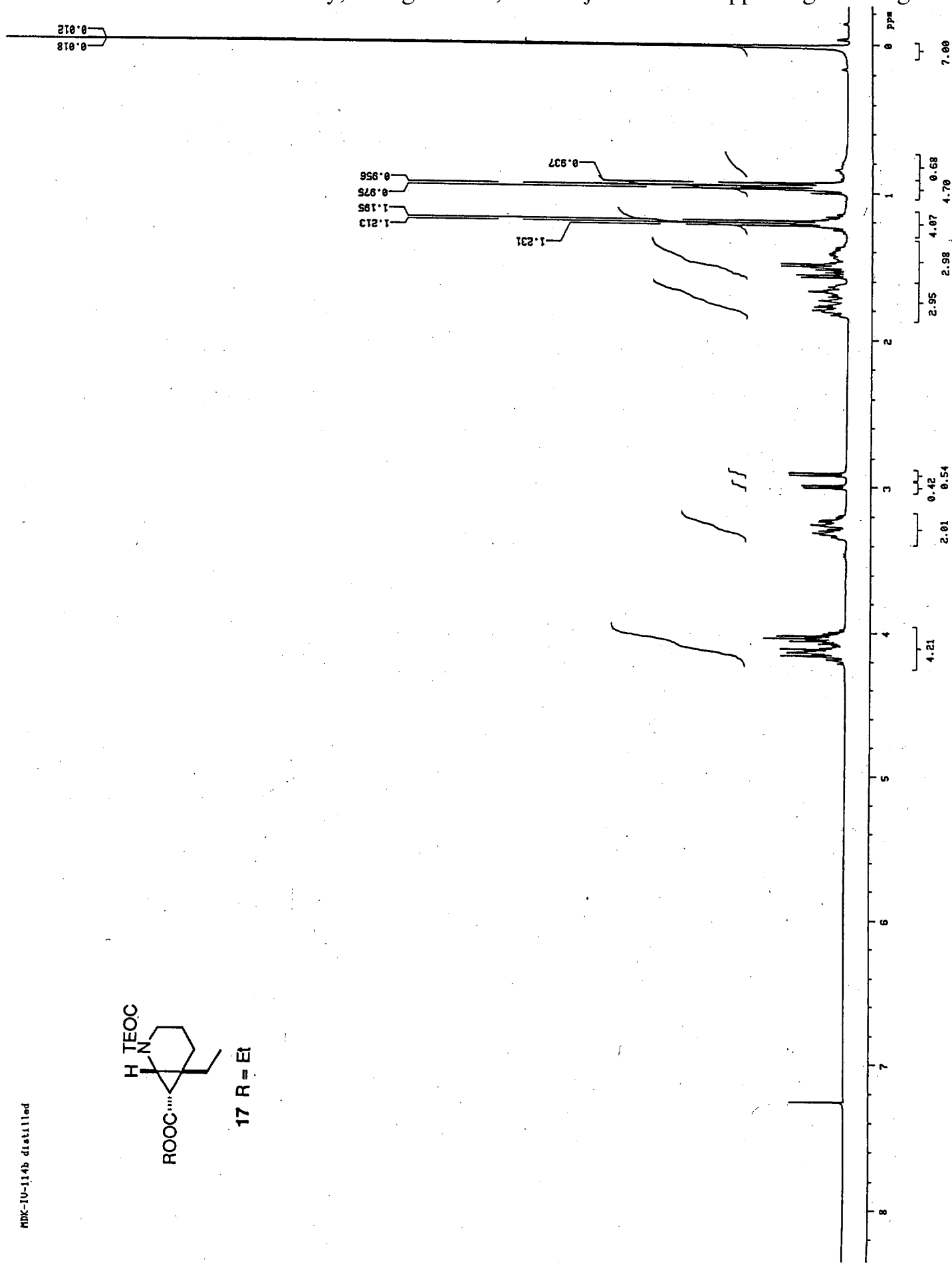
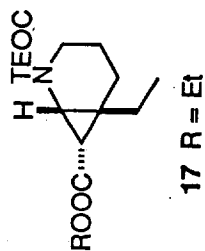
16 R = Et

HDC-095EVS

OBSERVE C13
 FREQUENCY 100.577 MHz
 SPECTRAL WIDTH 25000.0 Hz
 ACQUISITION TIME 1.199 sec
 RELAXATION DELAY 3.000 sec
 PULSE WIDTH 7.0 usec
 AMBIENT TEMPERATURE
 NO. REPETITIONS 120
 DECOUPLE H1
 HIGH POWER 44
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 2.5 Hz
 FT SIZE 65536
 TOTAL ACQUISITION TIME 8 minutes



MDX-1U-114b distilled



MDK-1U-114b distilled
OBSERVE C13

FREQUENCY 100.577 MHz

SPECTRAL WIDTH 25000.0 Hz

ACQUISITION TIME 1.199 sec

RELAXATION DELAY 3.000 sec

PULSE WIDTH 7.0 usec

AMBIENT TEMPERATURE

NO. REPETITIONS 100

DECOUPLE H1

HIGH POWER 44

DECOUPLER CONTINUOUSLY ON

WALTZ-16 MODULATED

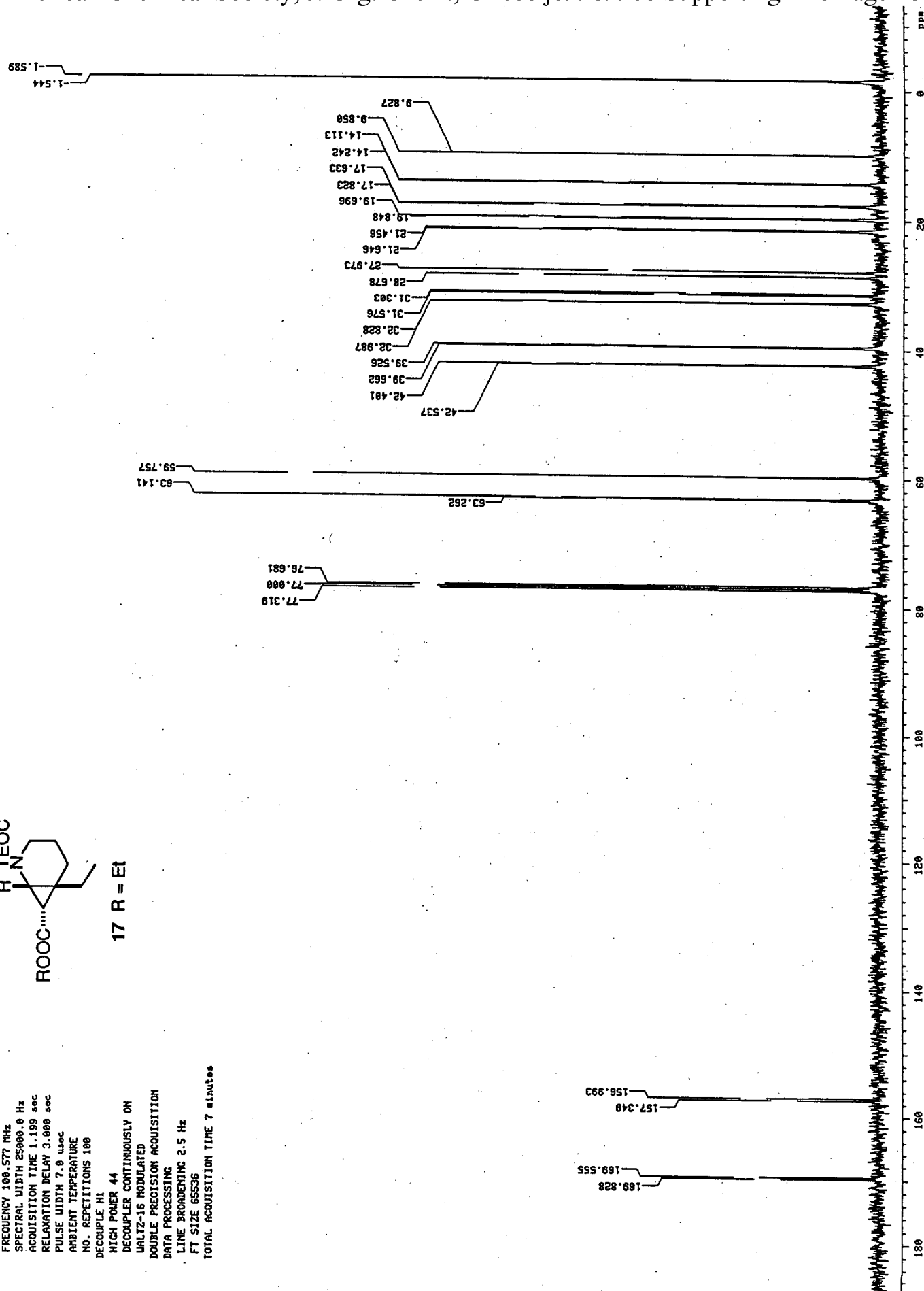
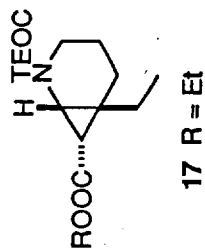
DOUBLE PRECISION ACQUISITION

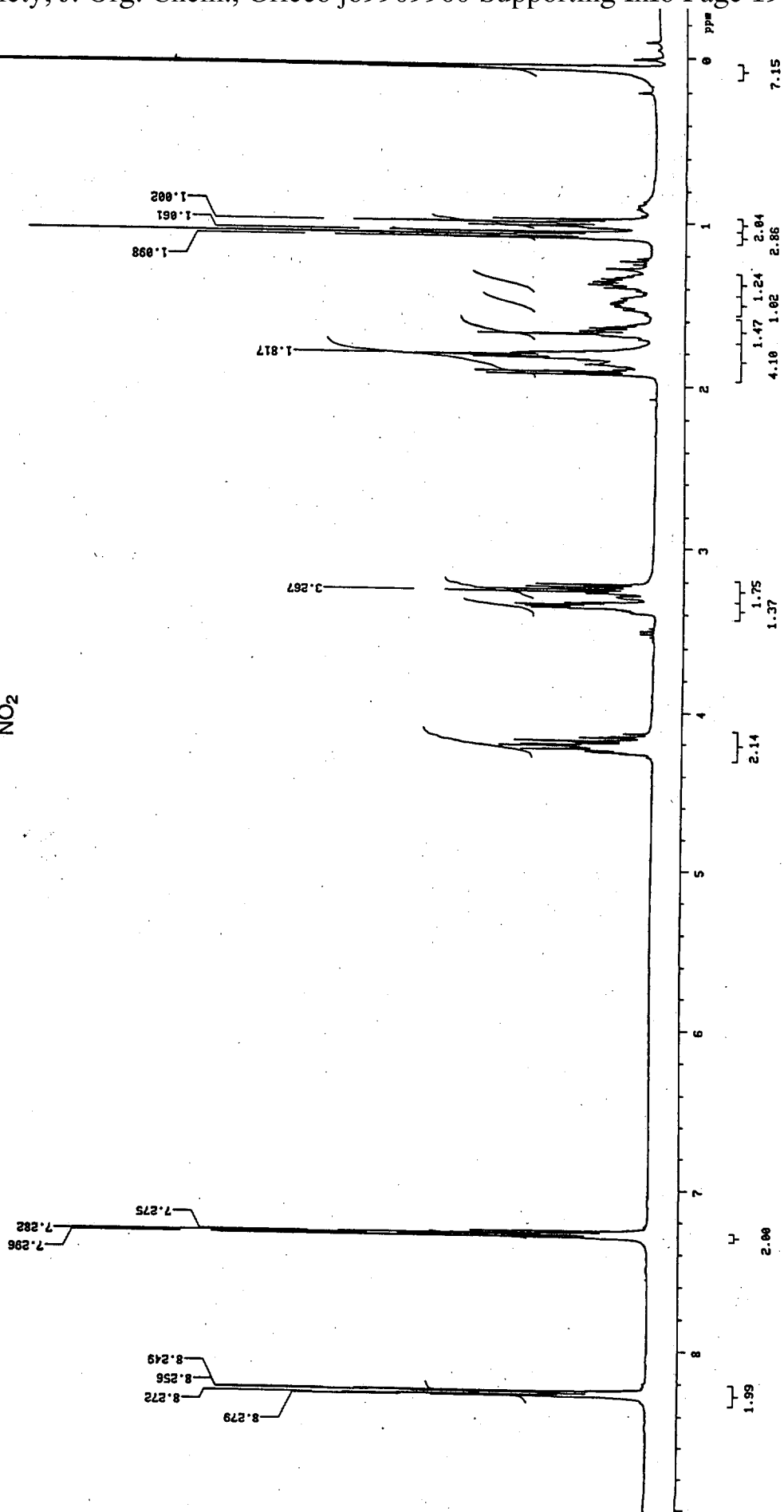
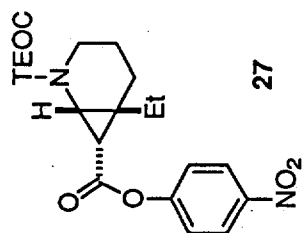
DATA PROCESSING

LINE BROADCASTING 2.5 Hz

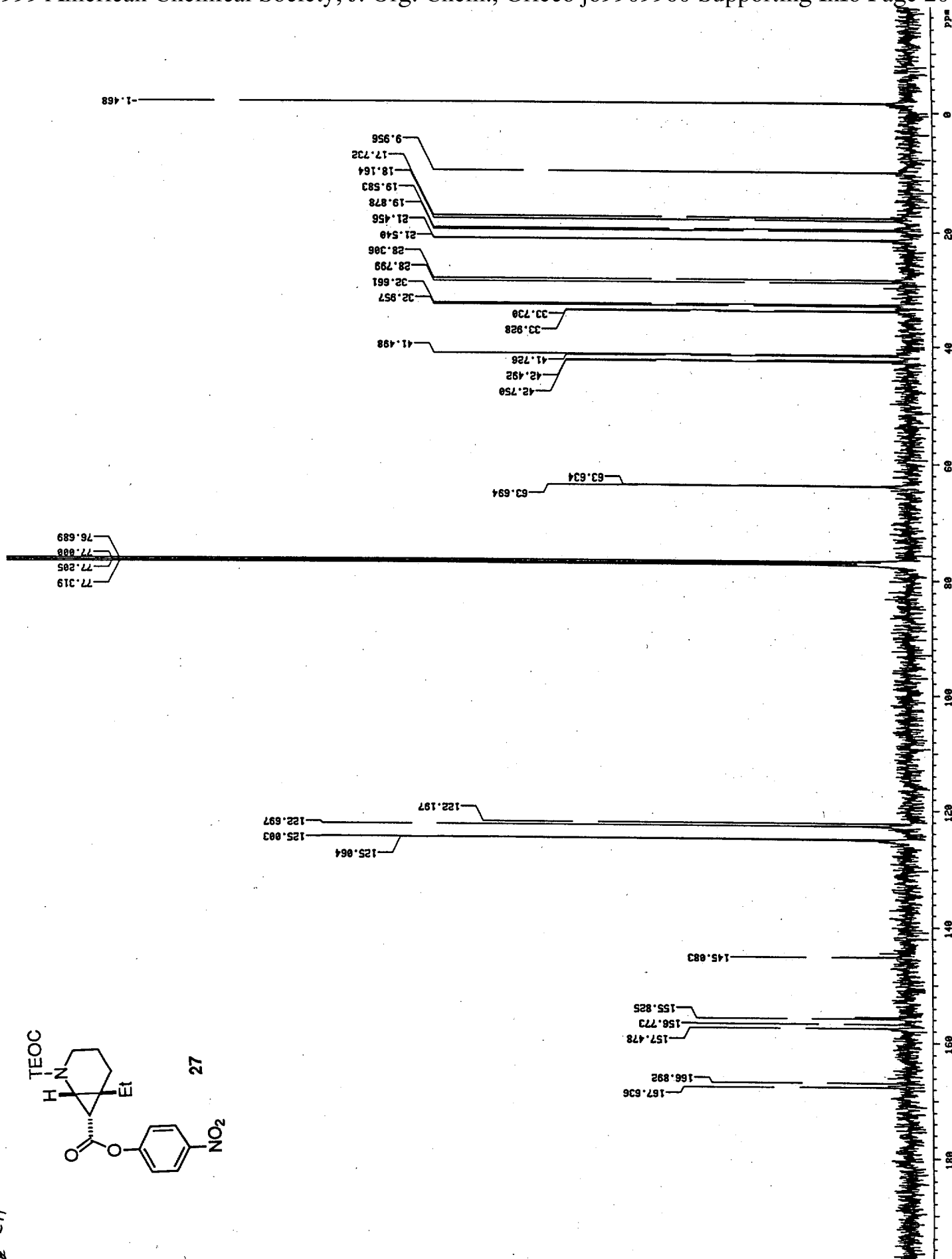
FT SIZE 65536

TOTAL ACQUISITION TIME 7 minutes





112-IV-211
(send in V&P-402
46 M05-210)



111
MK-IV-211