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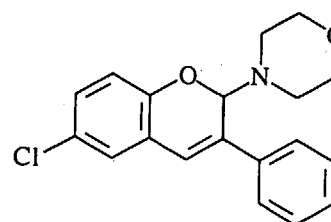


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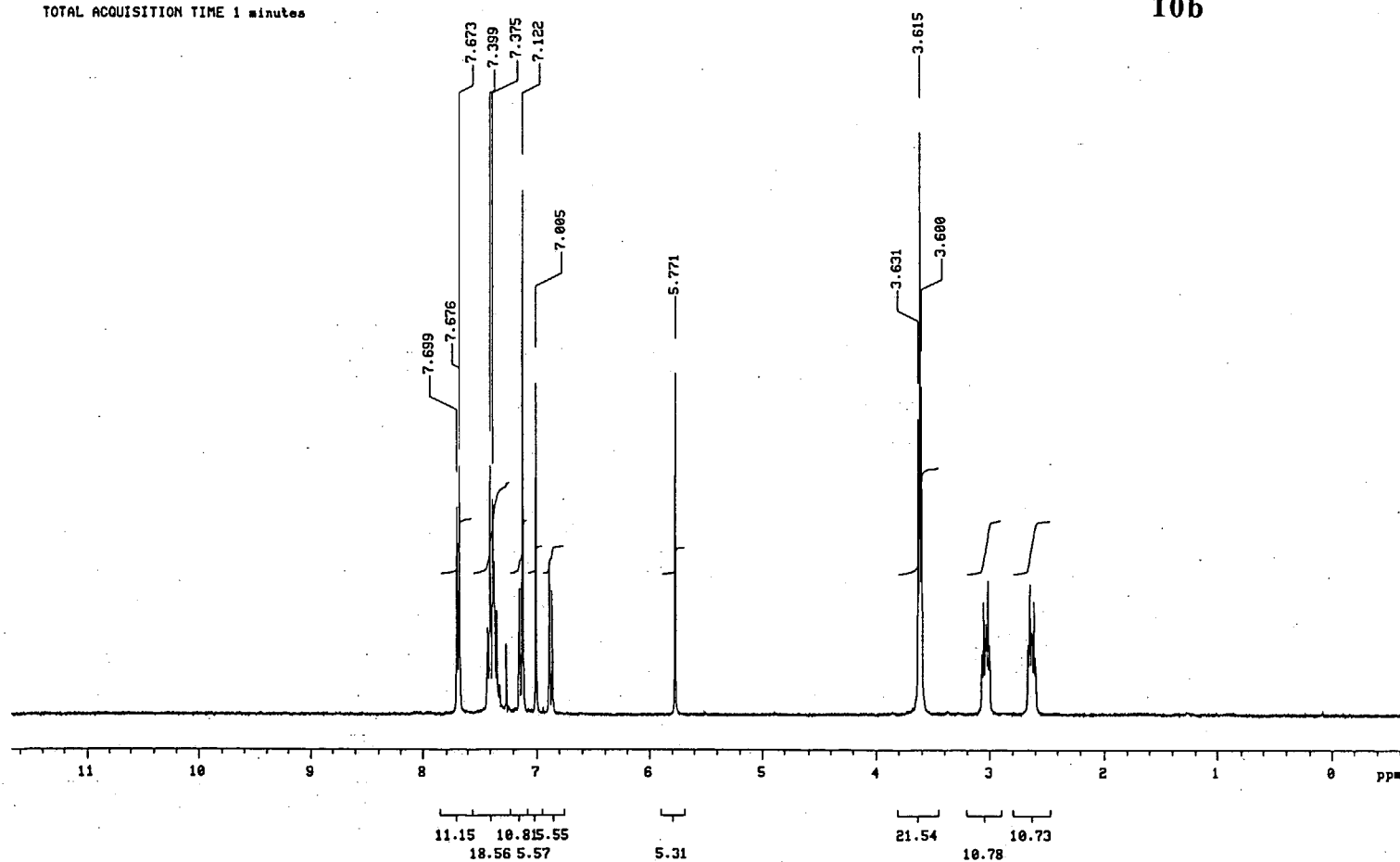
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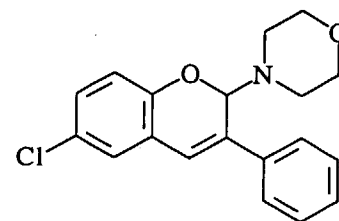
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 FREQUENCY 299.949 MHz
 SPECTRAL WIDTH 3700.0 Hz
 ACQUISITION TIME 2.214 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 7.0 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 16
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 16384
 TOTAL ACQUISITION TIME 1 minutes



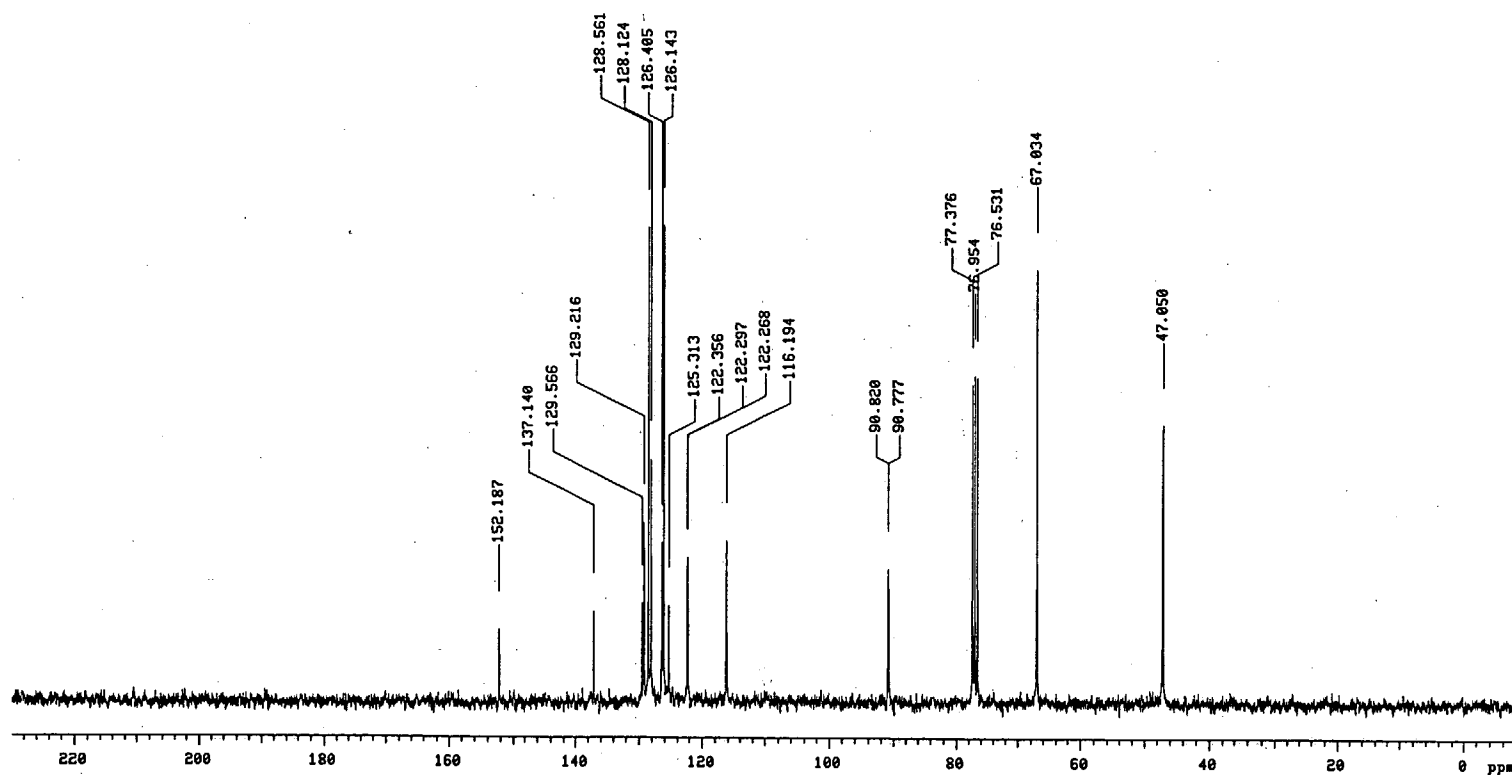
10b



OBSERVE C13
 FREQUENCY 75.429 MHz
 SPECTRAL WIDTH 18000.0 Hz
 ACQUISITION TIME 0.910 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 7.5 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 400
 DECOUPLE H1
 HIGH POWER 42
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DATA PROCESSING
 LINE BROADENING 3.0 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 16 minutes



10b



CDC13 standard parameters bb probe, Z0=1100

OBSERVE H1

FREQUENCY 299.949 MHz

SPECTRAL WIDTH 3700.0 Hz

ACQUISITION TIME 2.214 sec

RELAXATION DELAY 1.000 sec

PULSE WIDTH 7.0 usec

TEMPERATURE 23.0 deg. C.

NO. REPETITIONS 16

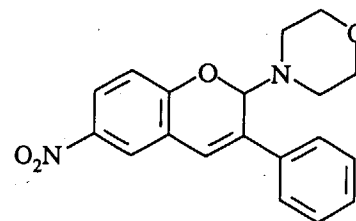
DOUBLE PRECISION ACQUISITION

DATA PROCESSING

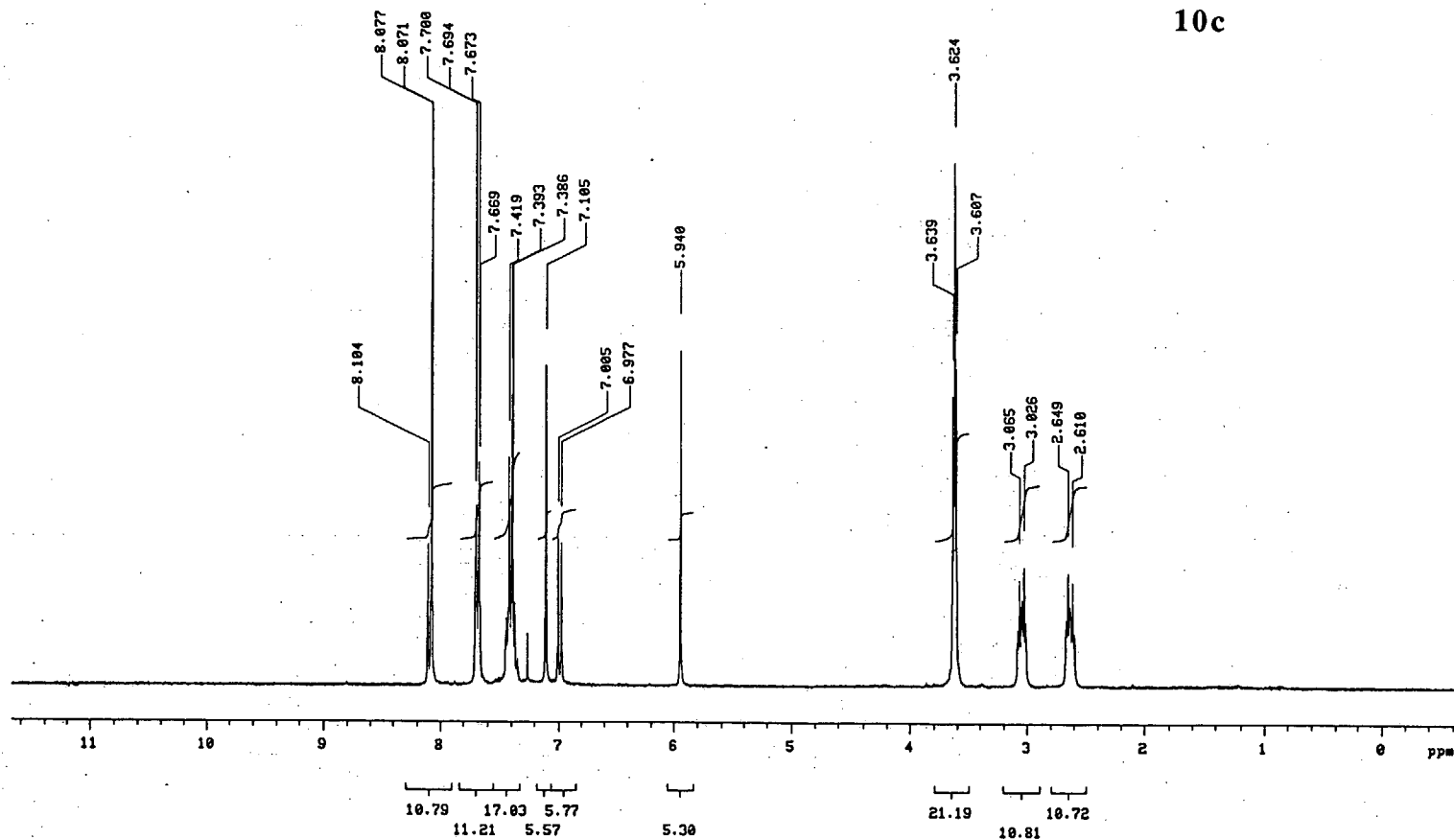
LINE BROADENING 0.1 Hz

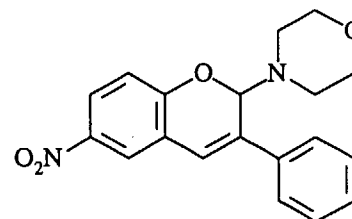
FT SIZE 16384

TOTAL ACQUISITION TIME 1 minutes



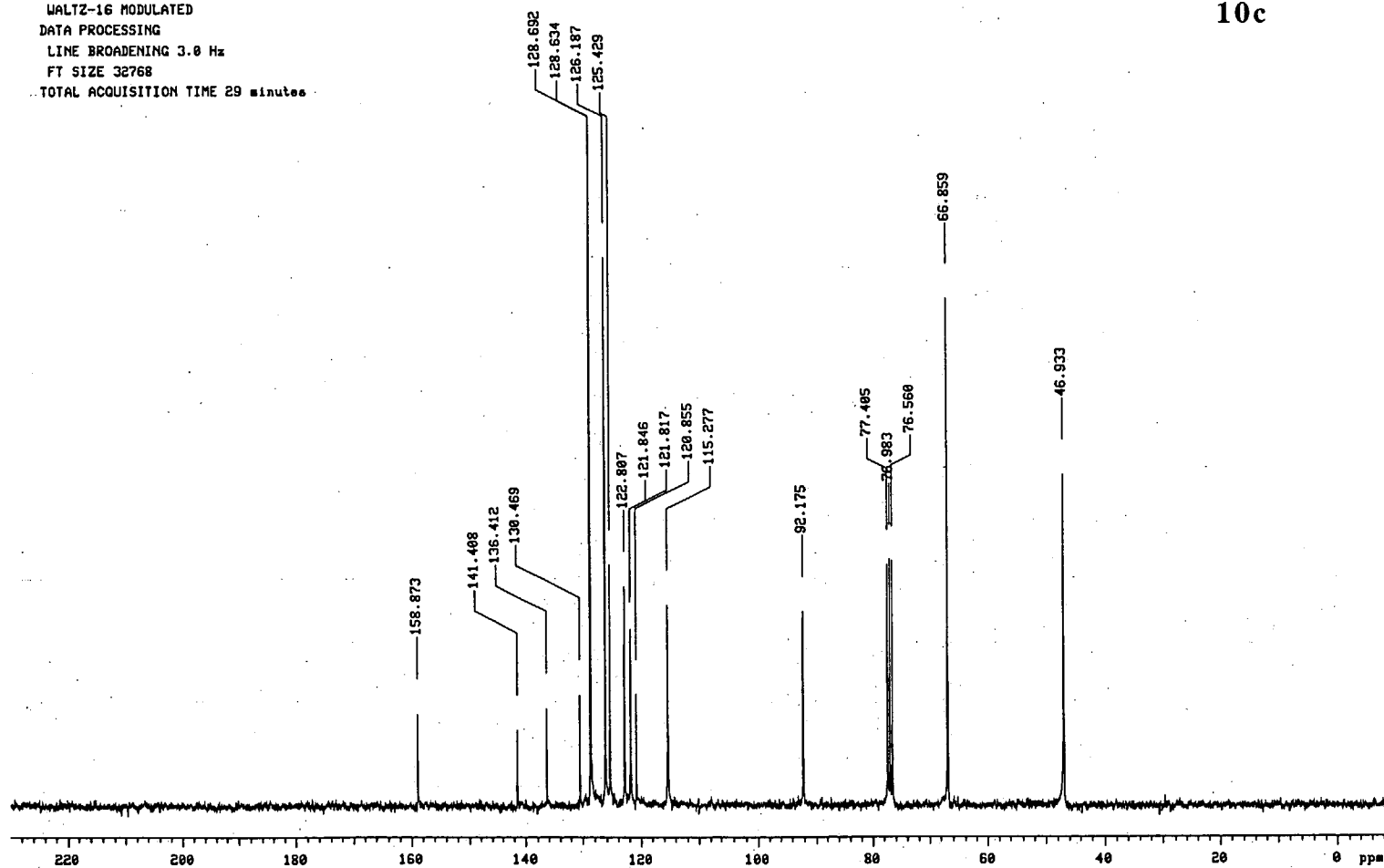
10c



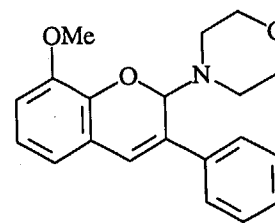


10c

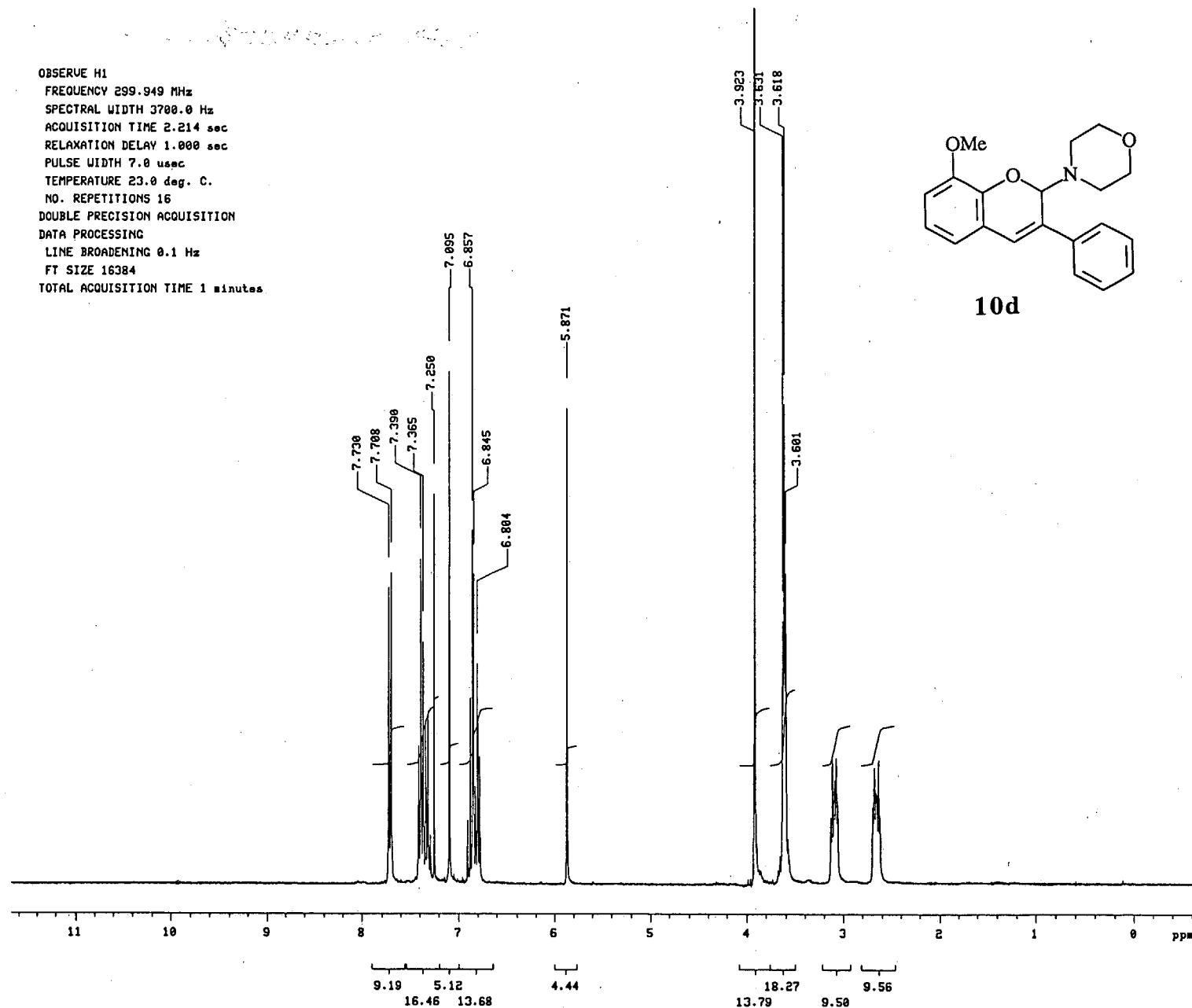
OBSERVE C13
 FREQUENCY 75.429 MHz
 SPECTRAL WIDTH 18000.0 Hz
 ACQUISITION TIME 0.910 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 7.5 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 720
 DECOUPLE H1
 HIGH POWER 42
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DATA PROCESSING
 LINE BROADENING 3.0 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 29 minutes



OBSERVE H1
 FREQUENCY 299.949 MHz
 SPECTRAL WIDTH 3700.0 Hz
 ACQUISITION TIME 2.214 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 7.0 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 16
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 16384
 TOTAL ACQUISITION TIME 1 minutes



10d



CDC13 standard parameters bb probe, Z0=1100

OBSERVE C13

FREQUENCY 75.429 MHz

SPECTRAL WIDTH 18000.0 Hz

ACQUISITION TIME 0.910 sec

RELAXATION DELAY 1.500 sec

PULSE WIDTH 7.5 usec

TEMPERATURE 23.0 deg. C.

NO. REPETITIONS 1040

DECOUPLE H1

HIGH POWER 42

DECOUPLER CONTINUOUSLY ON

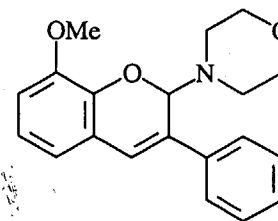
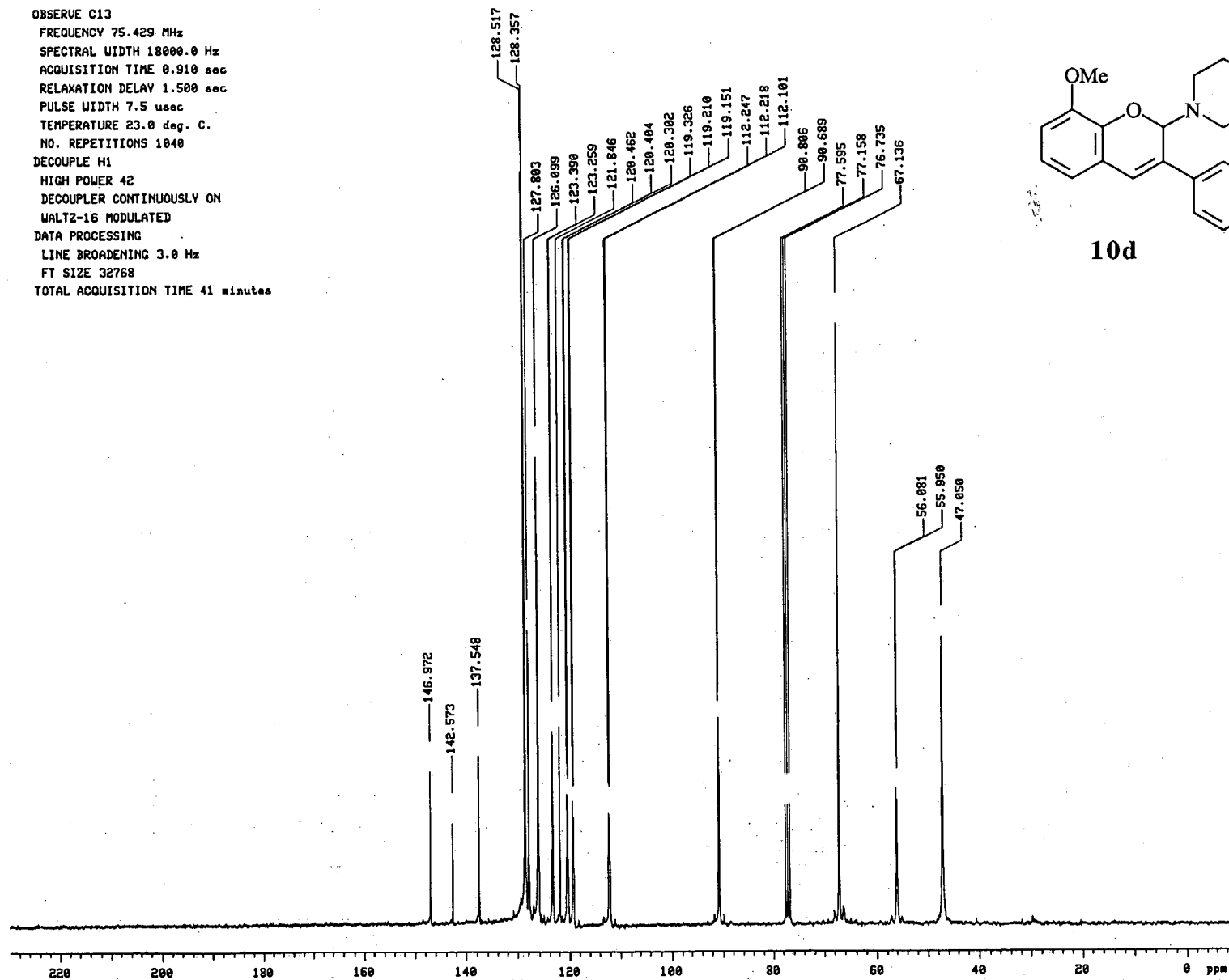
WALTZ-16 MODULATED

DATA PROCESSING

LINE BROADENING 3.0 Hz

FT SIZE 32768

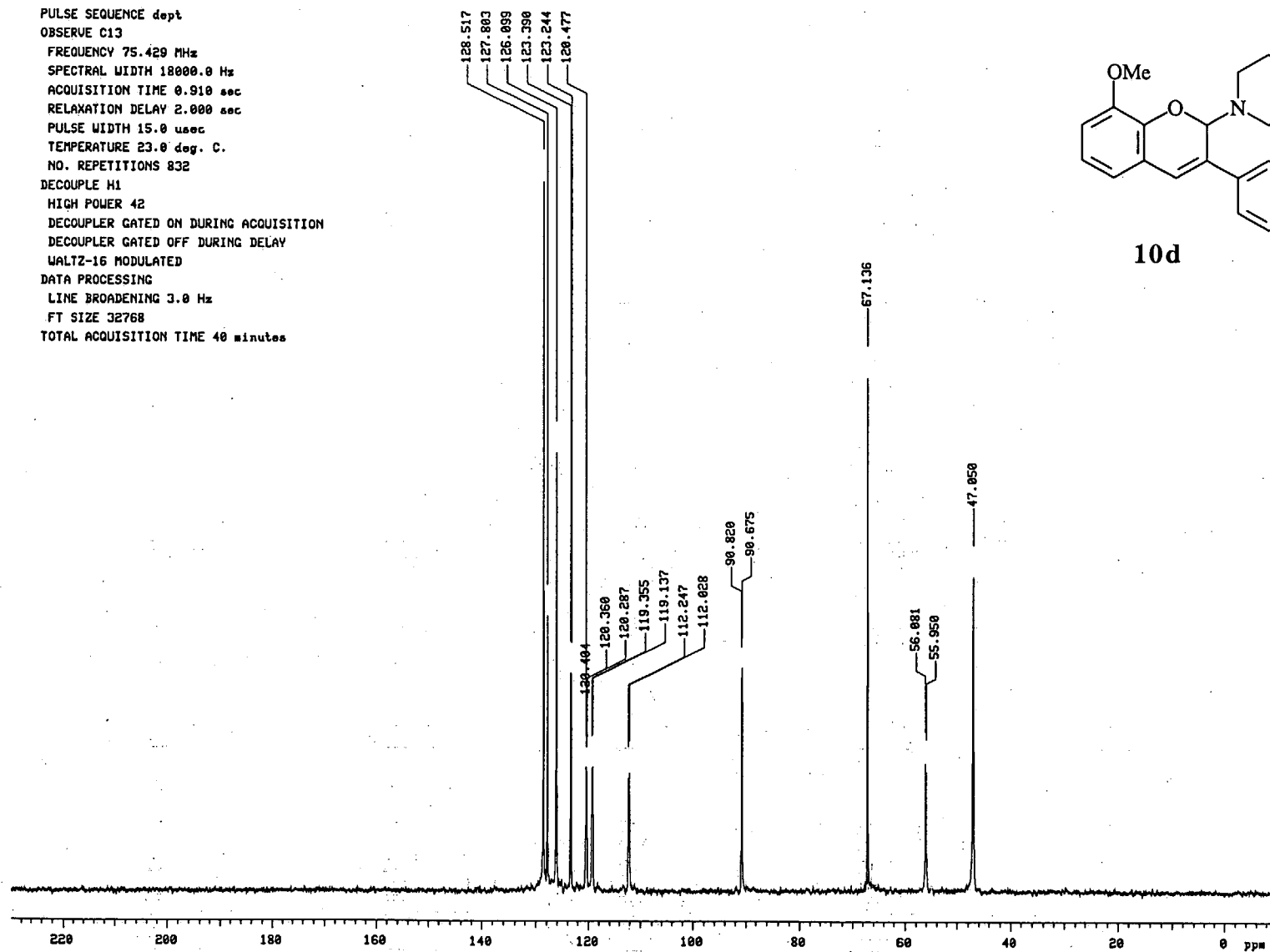
TOTAL ACQUISITION TIME 41 minutes



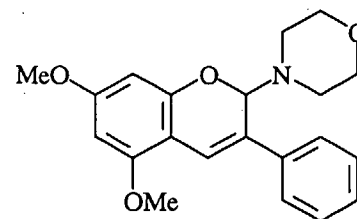
10d

DEPT-90 experiment; only CH present

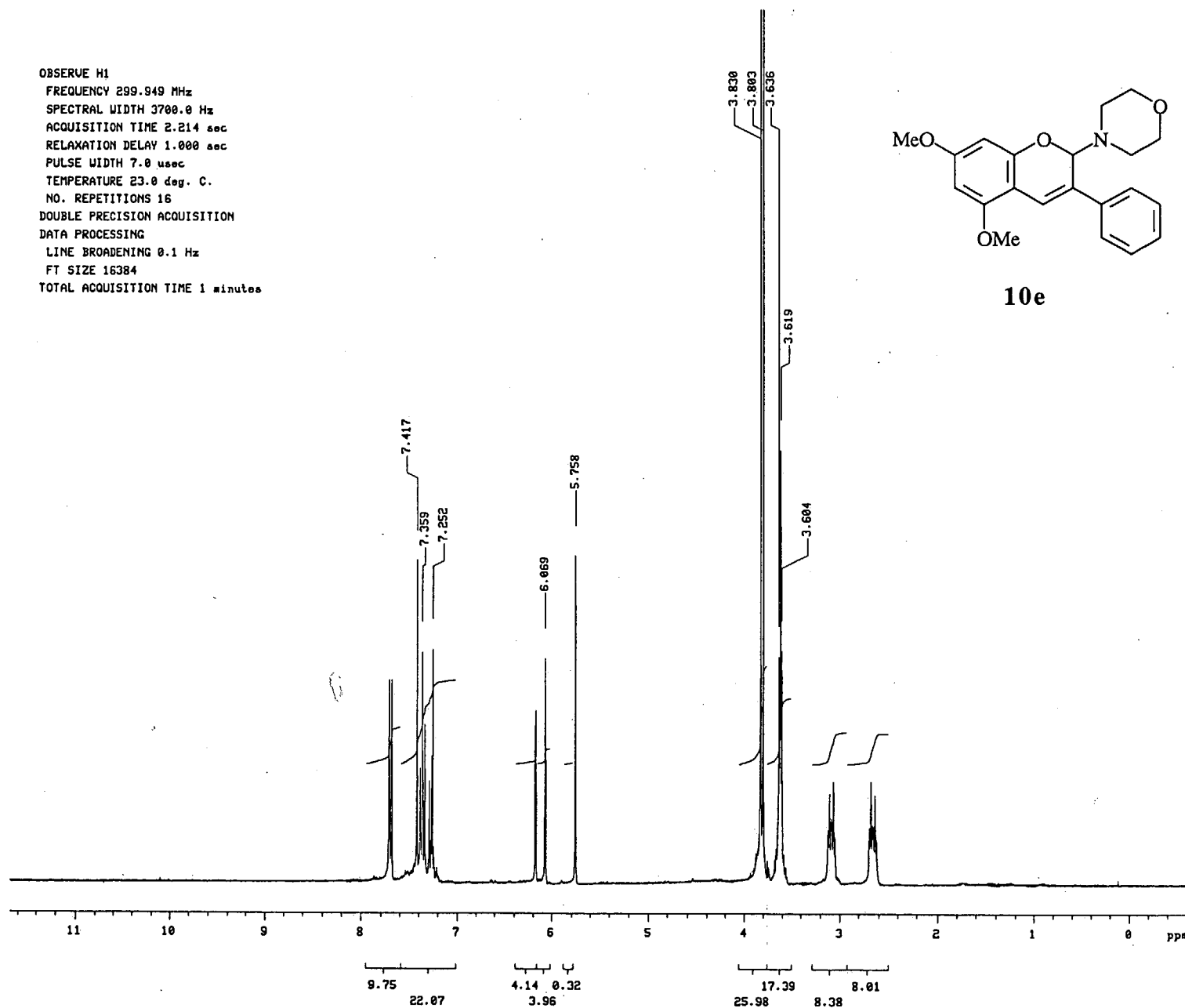
PULSE SEQUENCE dept
OBSERVE C13
FREQUENCY 75.429 MHz
SPECTRAL WIDTH 18000.0 Hz
ACQUISITION TIME 0.910 sec
RELAXATION DELAY 2.000 sec
PULSE WIDTH 15.0 usec
TEMPERATURE 23.0 deg. C.
NO. REPETITIONS 832
DECOUPLE H1
HIGH POWER 42
DECOUPLER GATED ON DURING ACQUISITION
DECOUPLER GATED OFF DURING DELAY
WALTZ-16 MODULATED
DATA PROCESSING
LINE BROADENING 3.0 Hz
FT SIZE 32768
TOTAL ACQUISITION TIME 40 minutes



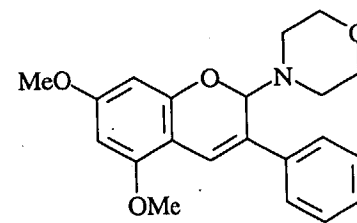
OBSERVE H1
 FREQUENCY 299.949 MHz
 SPECTRAL WIDTH 3700.0 Hz
 ACQUISITION TIME 2.214 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 7.0 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 16
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 16384
 TOTAL ACQUISITION TIME 1 minutes



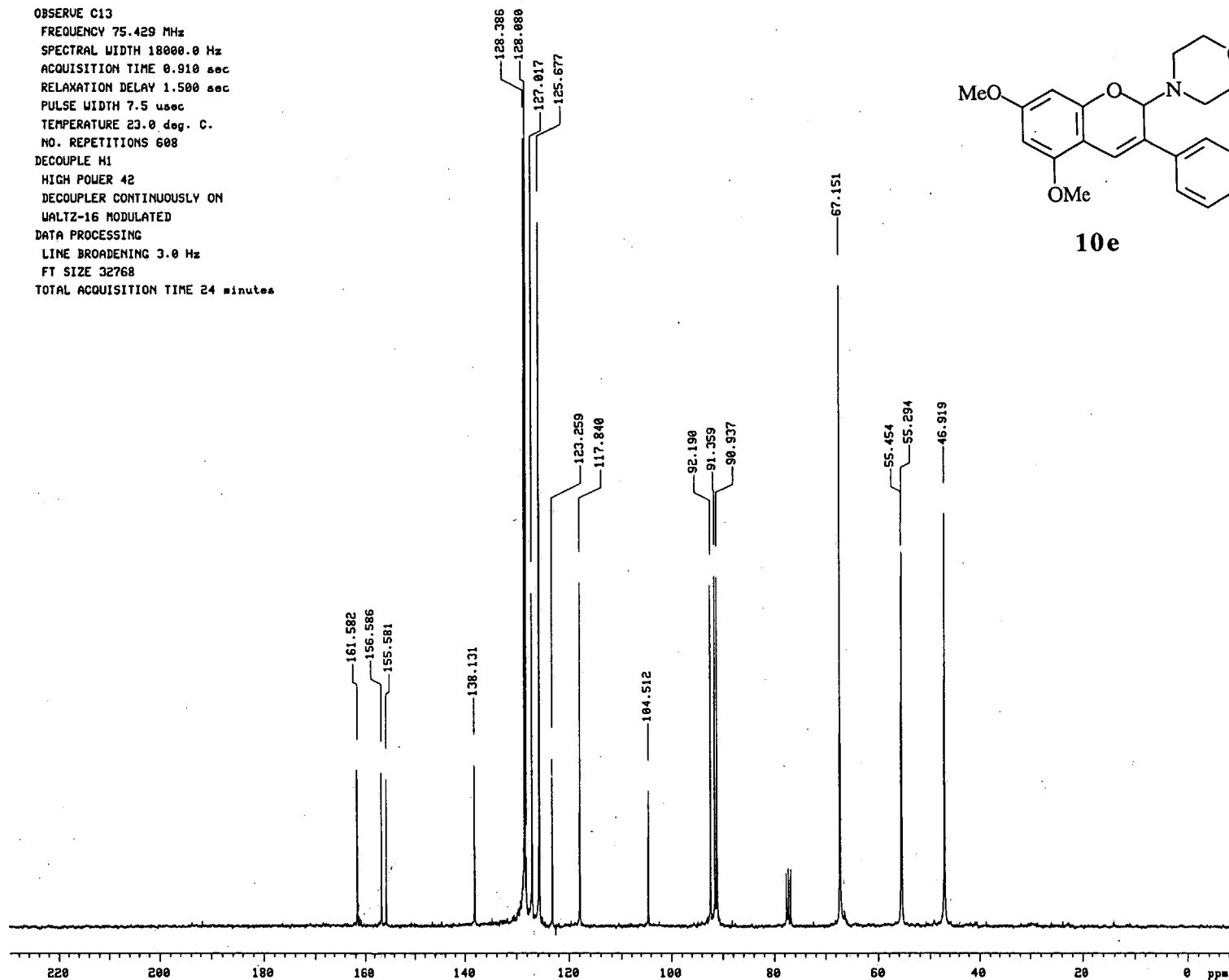
10e



OBSERVE C13
 FREQUENCY 75.429 MHz
 SPECTRAL WIDTH 18000.0 Hz
 ACQUISITION TIME 0.910 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 7.5 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 608
 DECOUPLE H1
 HIGH POWER 42
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DATA PROCESSING
 LINE BROADENING 3.0 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 24 minutes

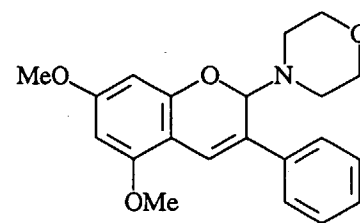


10e

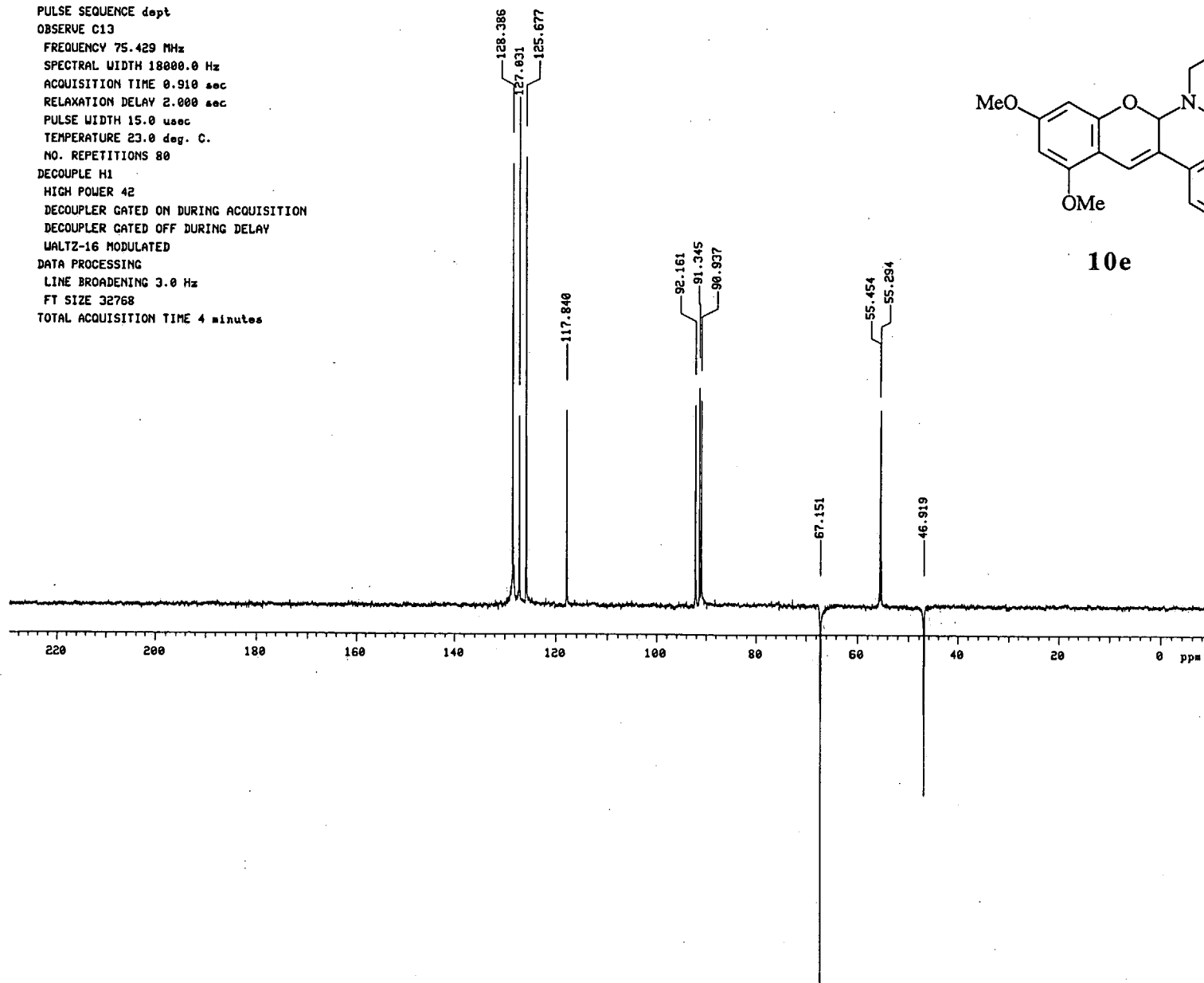


DEPT-135 experiment; CH and CH3 up, CH2 down

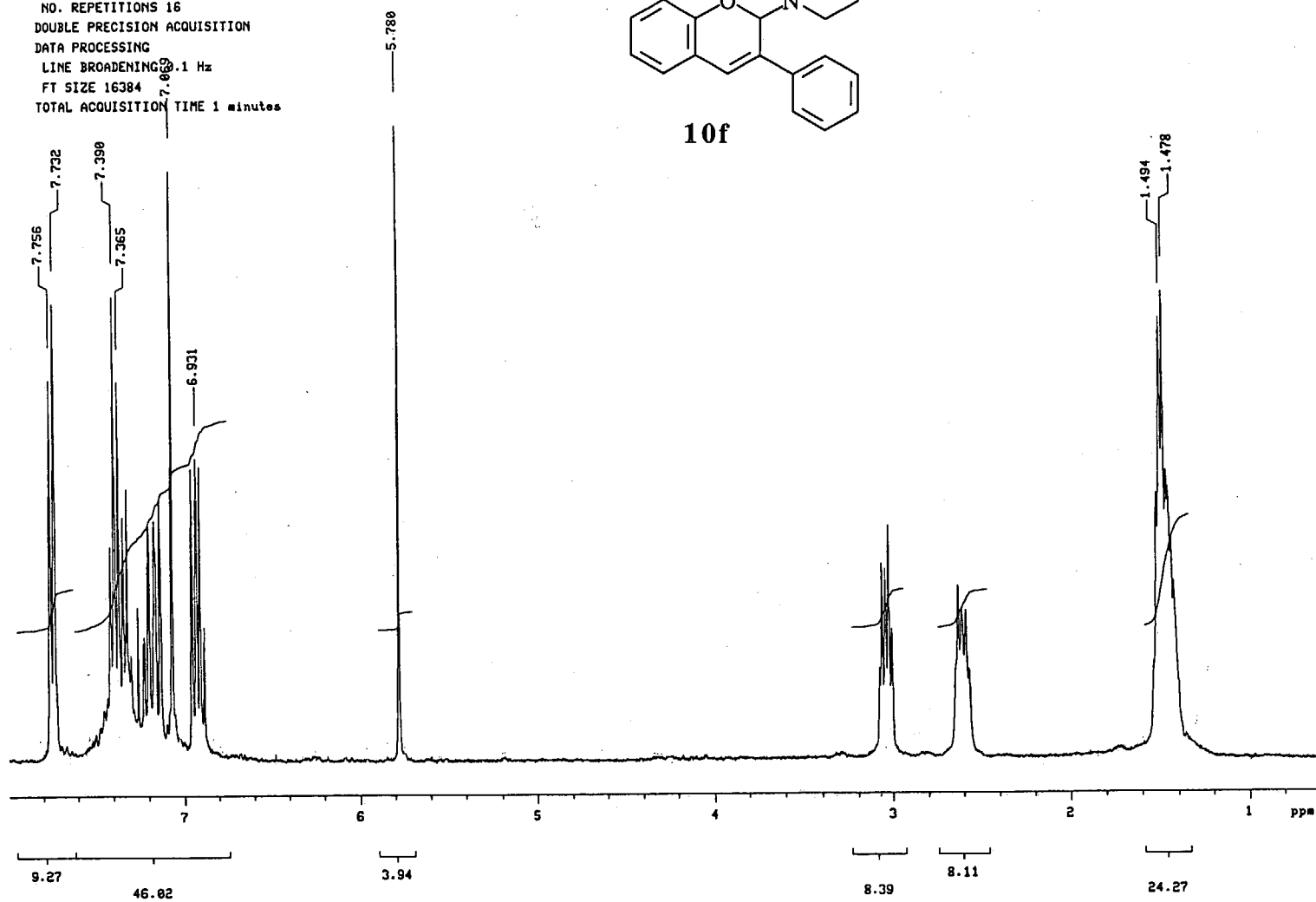
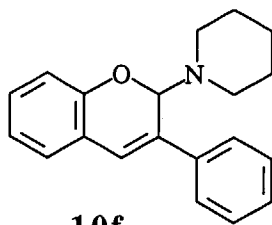
PULSE SEQUENCE dept
OBSERVE C13
FREQUENCY 75.429 MHz
SPECTRAL WIDTH 18000.0 Hz
ACQUISITION TIME 0.910 sec
RELAXATION DELAY 2.000 sec
PULSE WIDTH 15.0 usec
TEMPERATURE 23.0 deg. C.
NO. REPETITIONS 80
DECOUPLE H1
HIGH POWER 42
DECOUPLER GATED ON DURING ACQUISITION
DECOUPLER GATED OFF DURING DELAY
WALTZ-16 MODULATED
DATA PROCESSING
LINE BROADENING 3.0 Hz
FT SIZE 32768
TOTAL ACQUISITION TIME 4 minutes



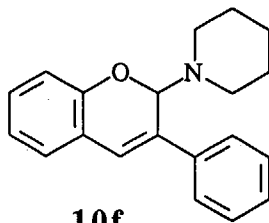
10e



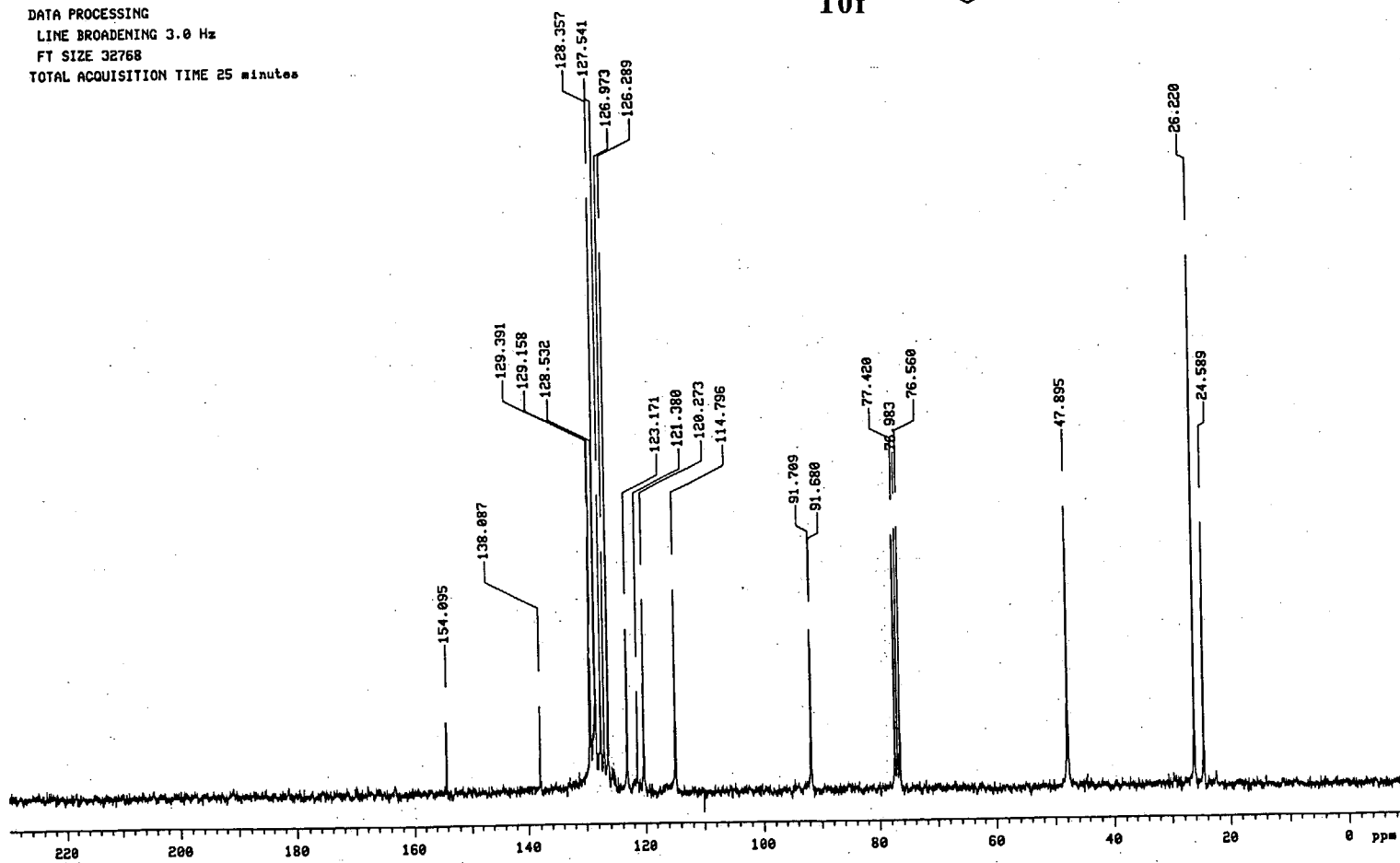
OBSERVE H1
 FREQUENCY 299.949 MHz
 SPECTRAL WIDTH 3700.0 Hz
 ACQUISITION TIME 2.214 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 7.0 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 16
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 16384
 TOTAL ACQUISITION TIME 1 minutes



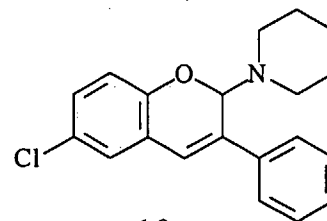
OBSERVE C13
 FREQUENCY 75.429 MHz
 SPECTRAL WIDTH 18000.0 Hz
 ACQUISITION TIME 0.910 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 7.5 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 640
 DECOUPLE H1
 HIGH POWER 42
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DATA PROCESSING
 LINE BROADENING 3.0 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 25 minutes



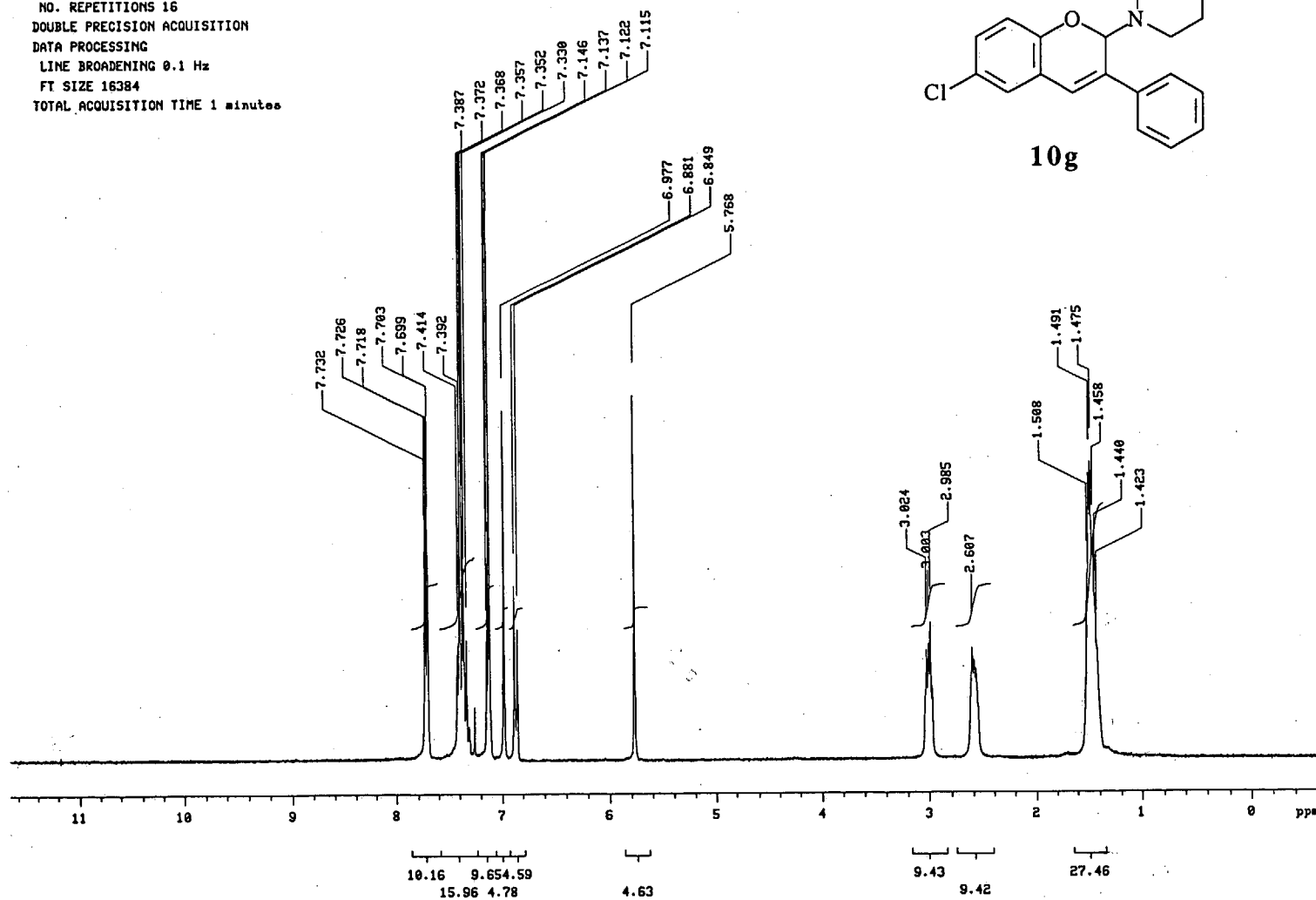
10f



OBSERVE H1
 FREQUENCY 299.949 MHz
 SPECTRAL WIDTH 3700.0 Hz
 ACQUISITION TIME 2.214 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 7.0 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 16
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 16384
 TOTAL ACQUISITION TIME 1 minutes



10g



CDC13 standard parameters bb probe, Z0=1100

OBSERVE C13

FREQUENCY 75.429 MHz

SPECTRAL WIDTH 18000.0 Hz

ACQUISITION TIME 0.910 sec

RELAXATION DELAY 1.500 sec

PULSE WIDTH 7.5 usec

TEMPERATURE 23.0 deg. C.

NO. REPETITIONS 576

DECOUPLE H1

HIGH POWER 42

DECOUPLER CONTINUOUSLY ON

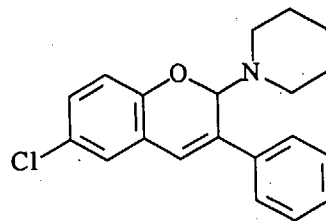
WALTZ-16 MODULATED.

DATA PROCESSING

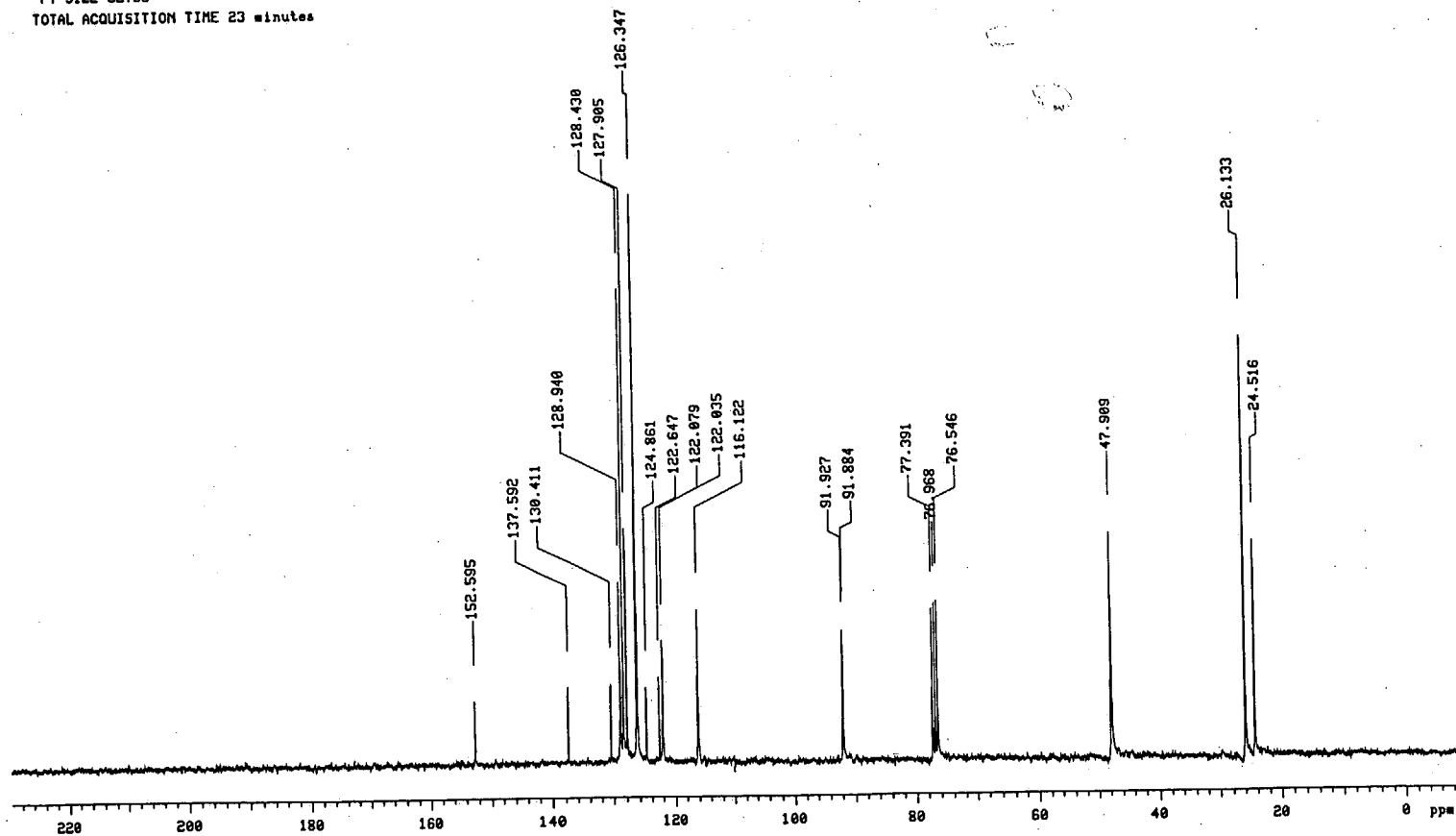
LINE BROADENING 3.0 Hz

FT SIZE 32768

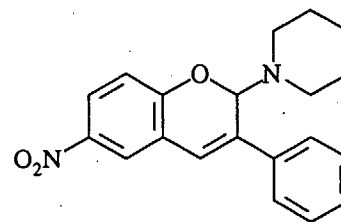
TOTAL ACQUISITION TIME 23 minutes



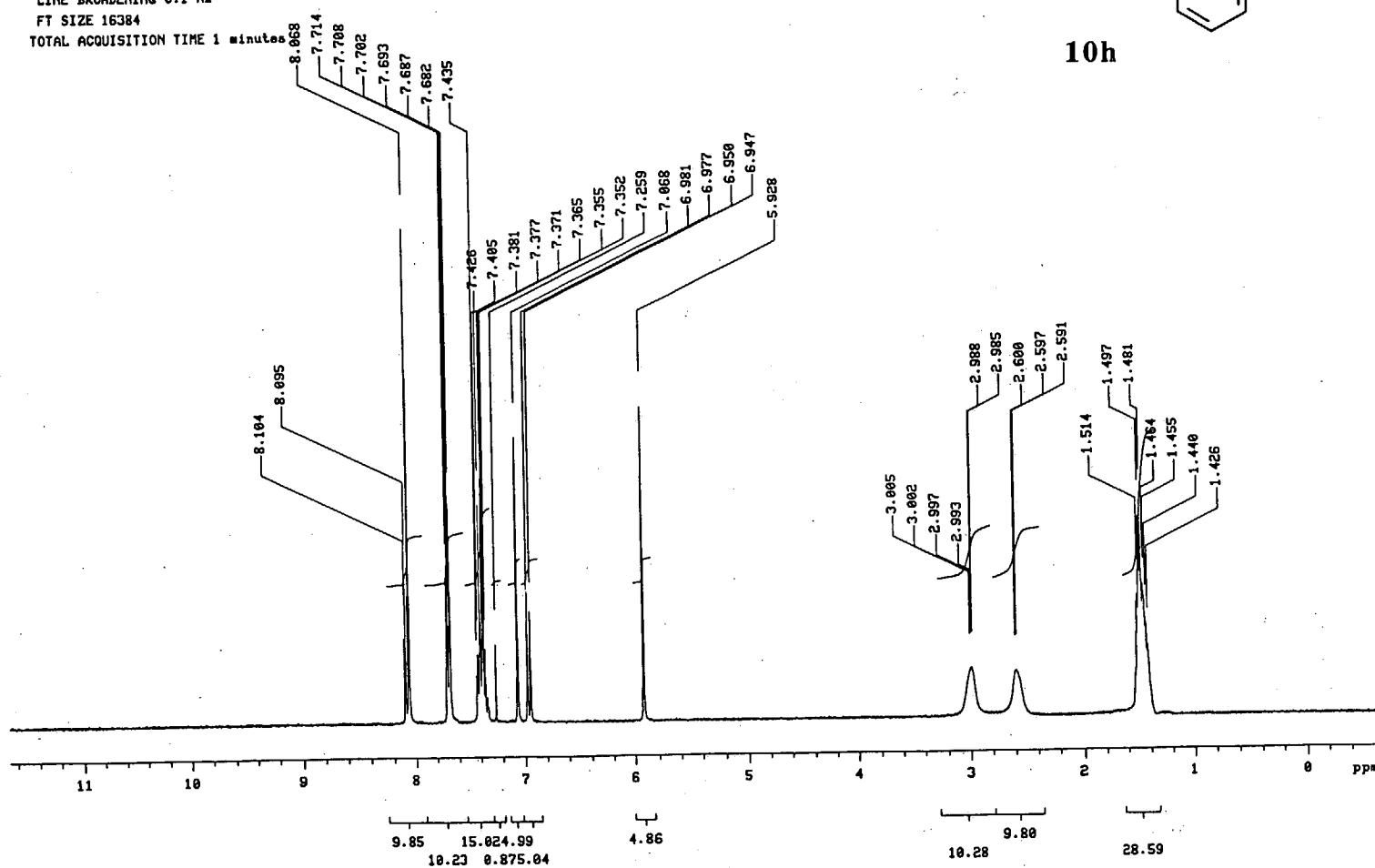
10g



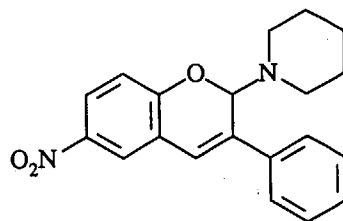
OBSERVE H1
 FREQUENCY 299.949 MHz
 SPECTRAL WIDTH 3700.0 Hz
 ACQUISITION TIME 2.214 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 7.0 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 16
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 16384
 TOTAL ACQUISITION TIME 1 minutes



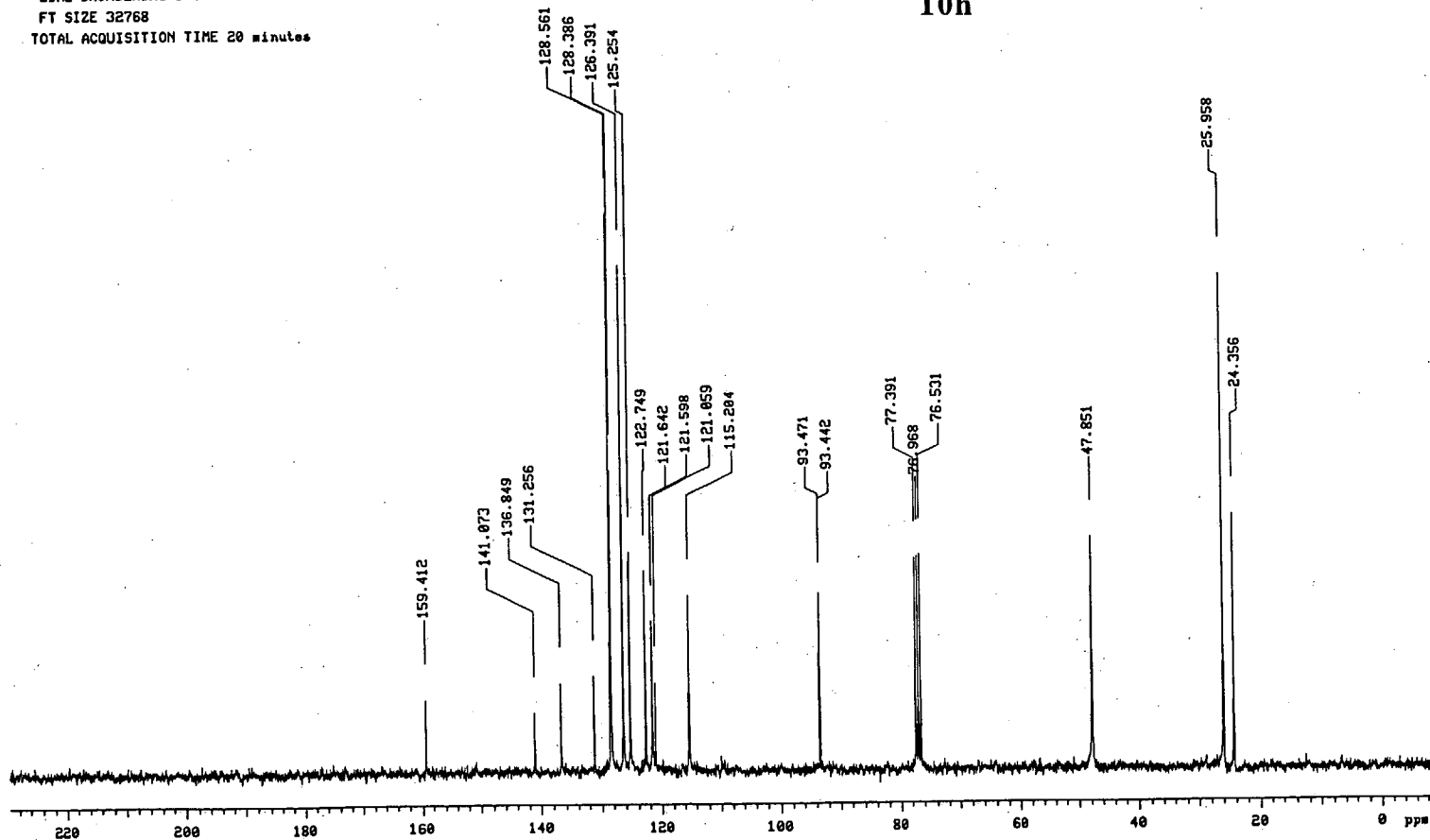
10h

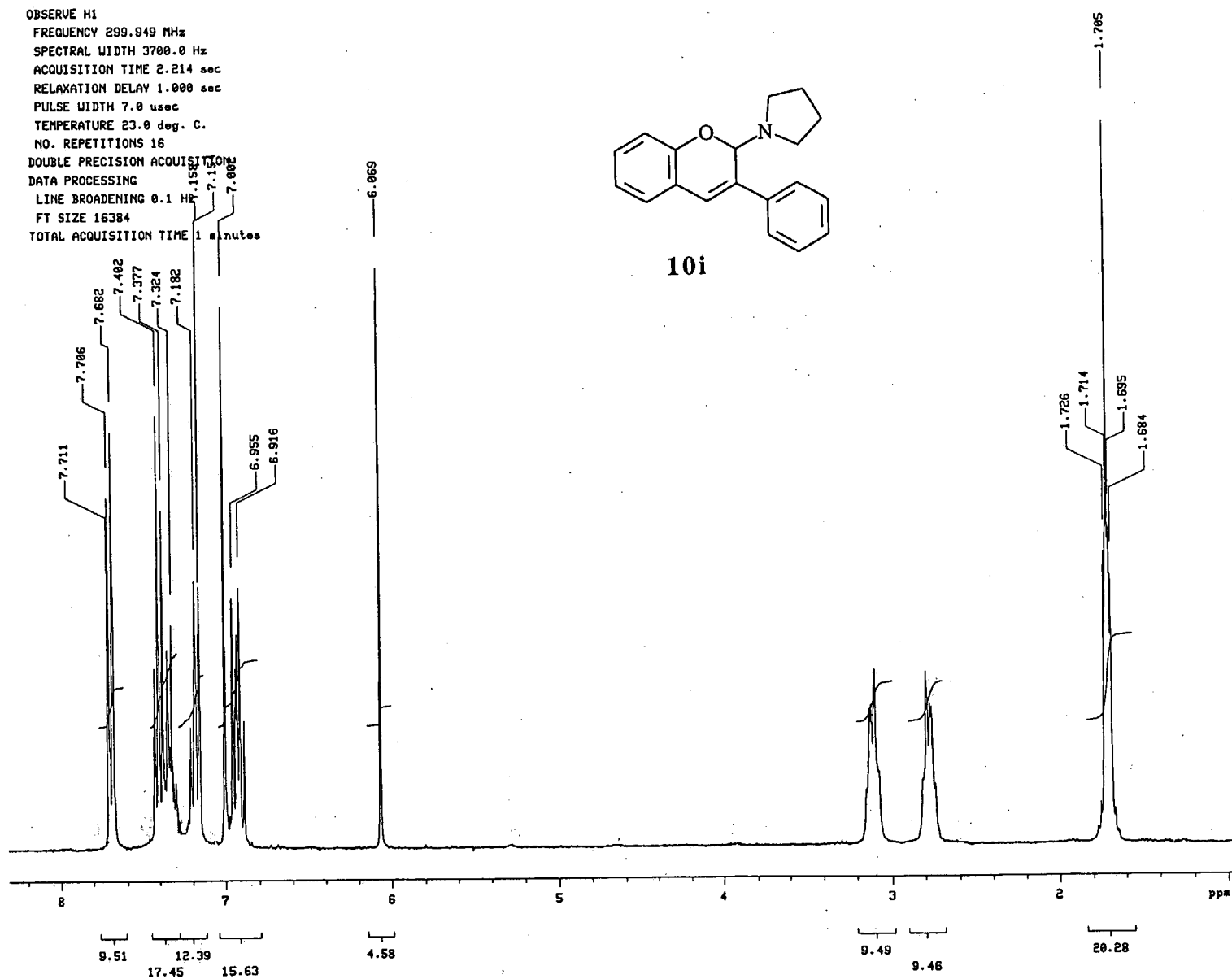


OBSERVE C13
 FREQUENCY 75.429 MHz
 SPECTRAL WIDTH 18000.0 Hz
 ACQUISITION TIME 0.910 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 7.5 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 496
 DECOUPLE H1
 HIGH POWER 42
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DATA PROCESSING
 LINE BROADENING 3.0 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 20 minutes



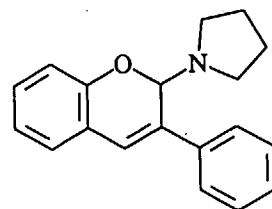
10h



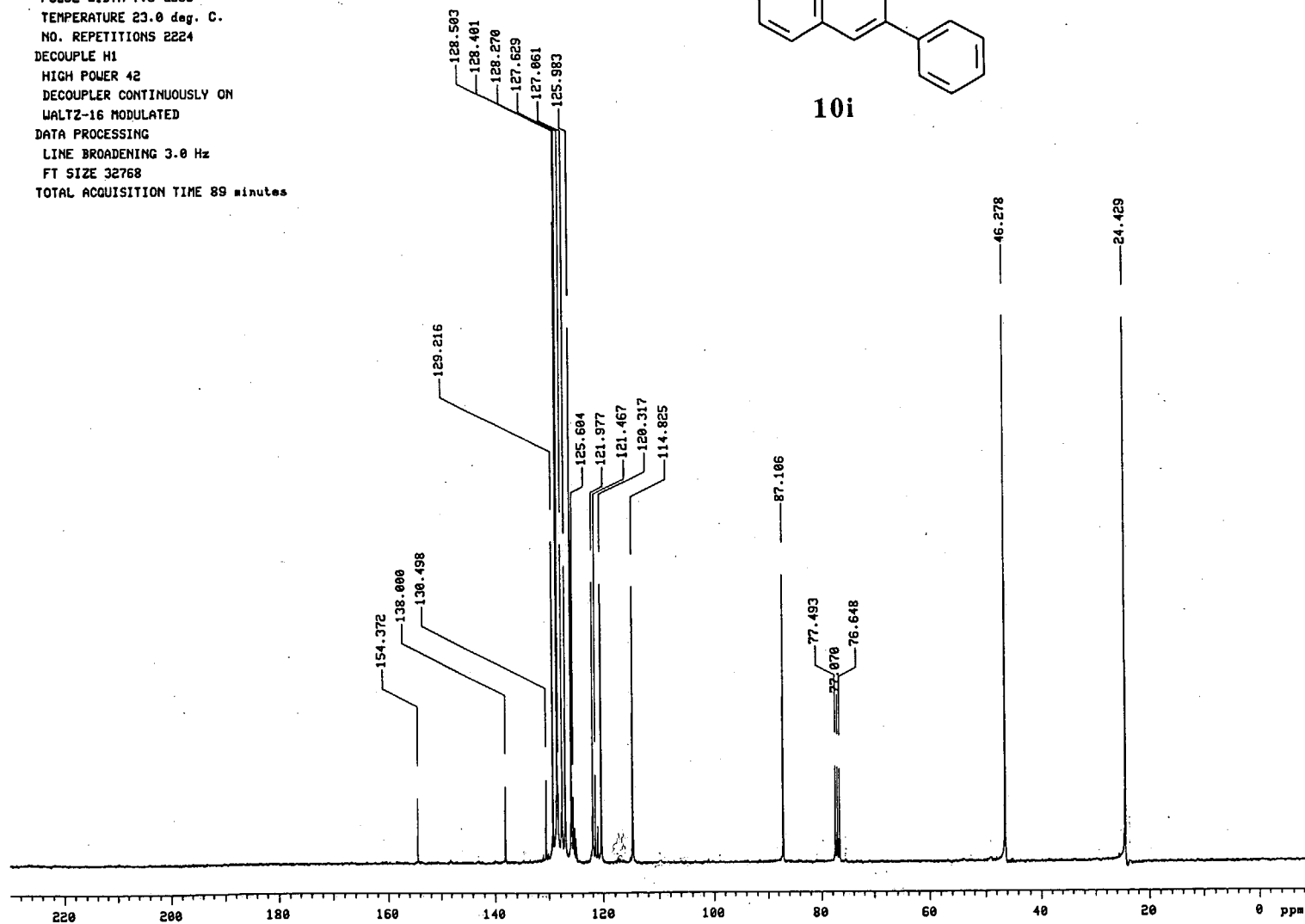


CDC13 standard parameters bb probe, Z0=1100

OBSERVE C13
 FREQUENCY 75.429 MHz
 SPECTRAL WIDTH 18000.0 Hz
 ACQUISITION TIME 0.910 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 7.5 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 2224
 DECOUPLE H1
 HIGH POWER 42
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DATA PROCESSING
 LINE BROADENING 3.0 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 89 minutes

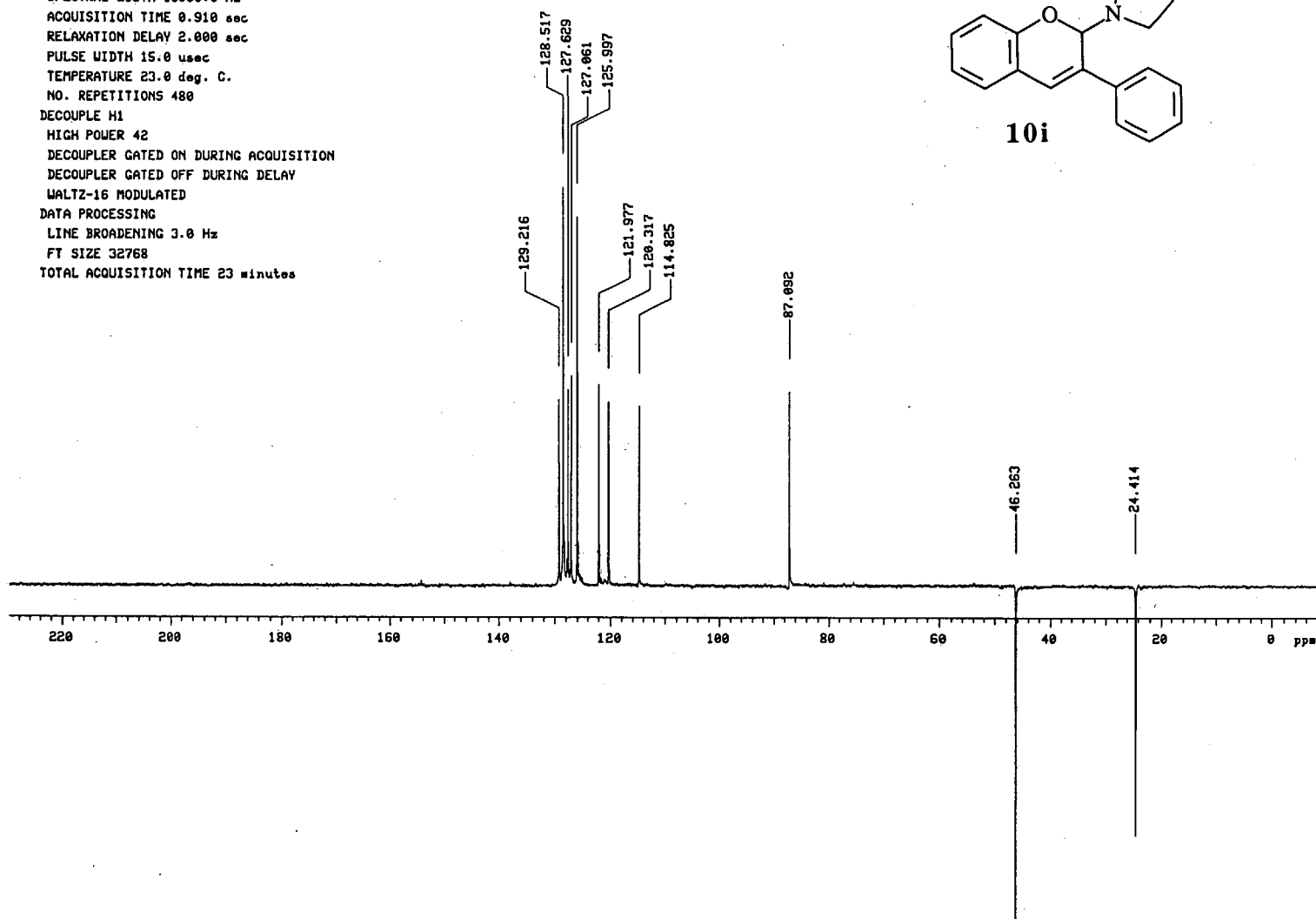
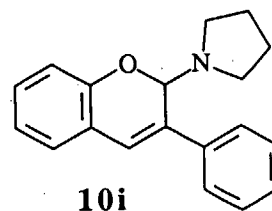


10i

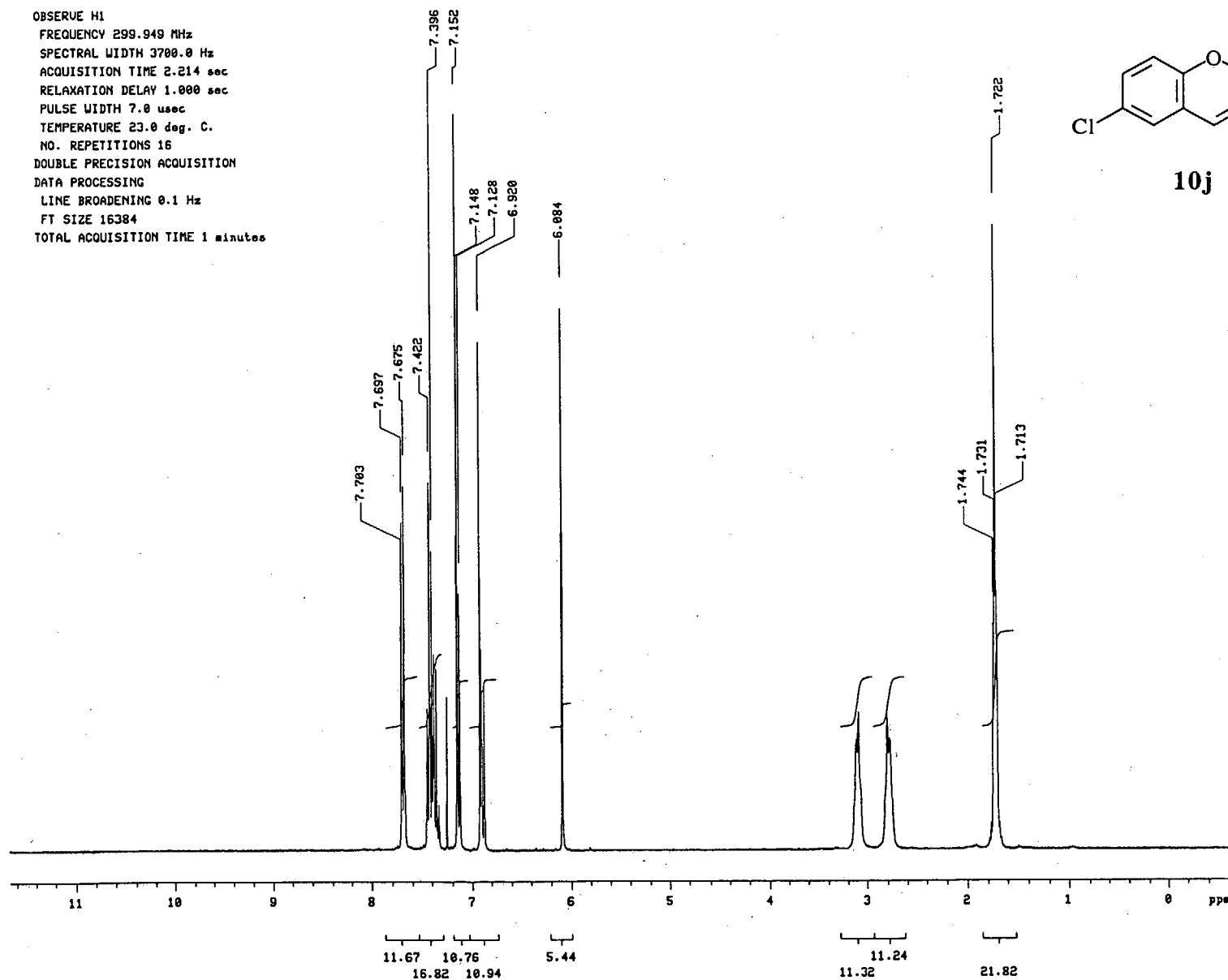
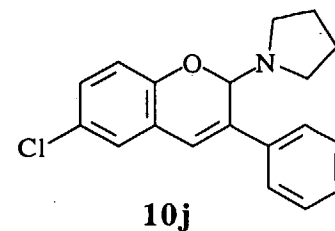


DEPT-135 experiment; CH and CH3 up, CH2 down

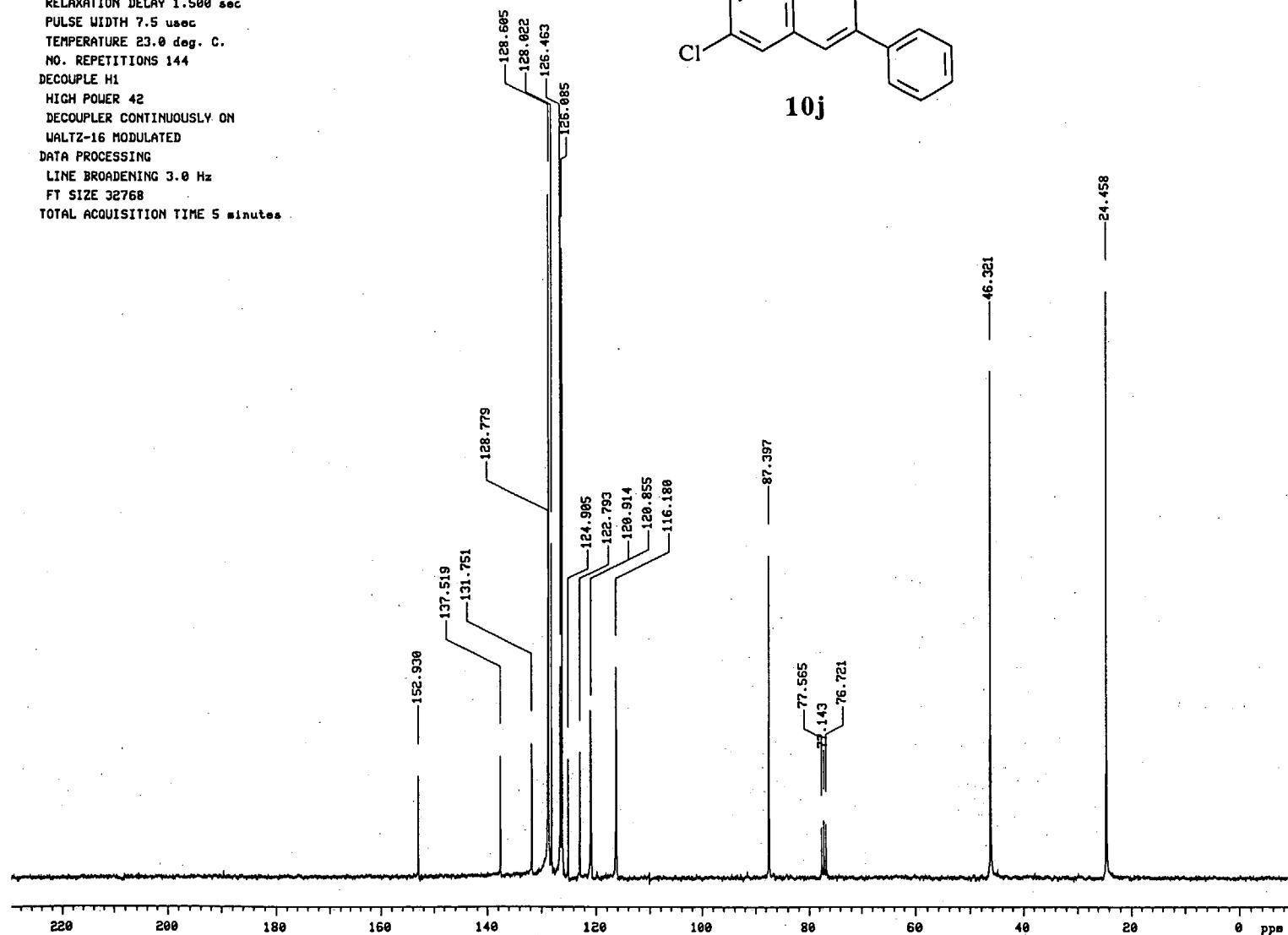
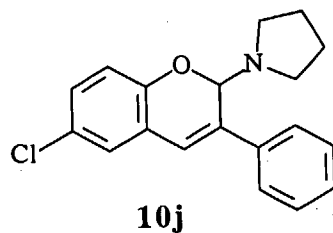
PULSE SEQUENCE dept
OBSERVE C13
FREQUENCY 75.429 MHz
SPECTRAL WIDTH 18000.0 Hz
ACQUISITION TIME 0.910 sec
RELAXATION DELAY 2.000 sec
PULSE WIDTH 15.0 usec
TEMPERATURE 23.0 deg. C.
NO. REPETITIONS 480
DECOUPLE H1
HIGH POWER 42
DECOUPLER GATED ON DURING ACQUISITION
DECOUPLER GATED OFF DURING DELAY
WALTZ-16 MODULATED
DATA PROCESSING
LINE BROADENING 3.0 Hz
FT SIZE 32768
TOTAL ACQUISITION TIME 23 minutes



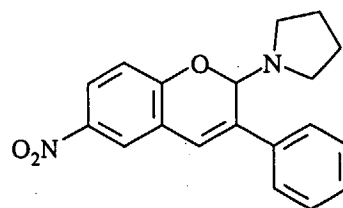
OBSERVE H1
 FREQUENCY 299.949 MHz
 SPECTRAL WIDTH 3700.0 Hz
 ACQUISITION TIME 2.214 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 7.0 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 16
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 16384
 TOTAL ACQUISITION TIME 1 minutes



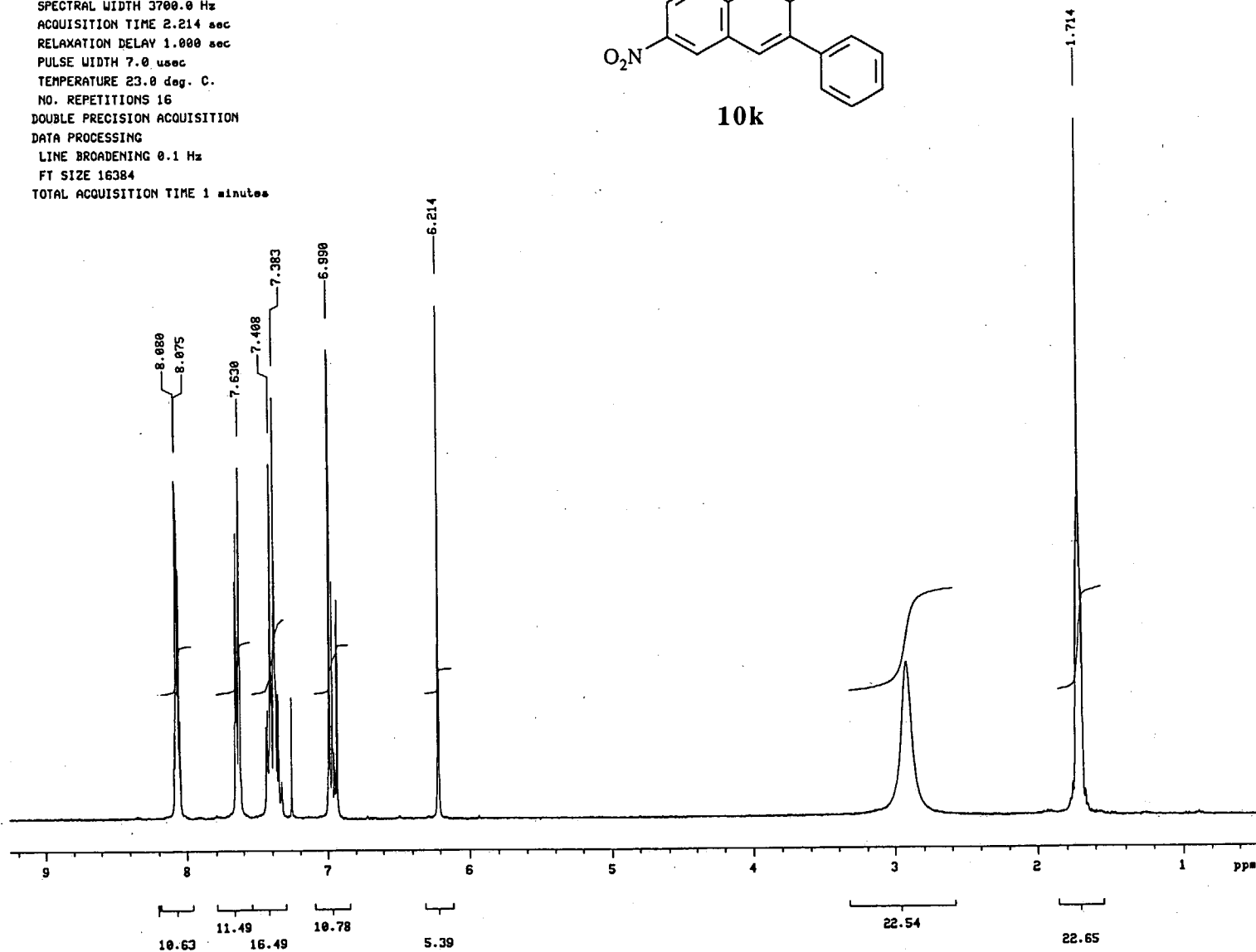
OBSERVE C13
 FREQUENCY 75.429 MHz
 SPECTRAL WIDTH 18000.0 Hz
 ACQUISITION TIME 0.910 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 7.5 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 144
 DECOUPLE H1
 HIGH POWER 42
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DATA PROCESSING
 LINE BROADENING 3.0 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 5 minutes



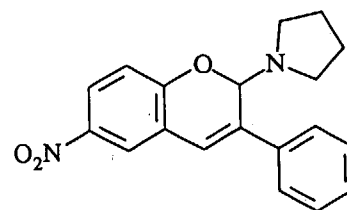
OBSERVE H1
 FREQUENCY 299.949 MHz
 SPECTRAL WIDTH 3700.0 Hz
 ACQUISITION TIME 2.214 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 7.0 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 16
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 16384
 TOTAL ACQUISITION TIME 1 minutes



10k



OBSERVE C13
 FREQUENCY 75.429 MHz
 SPECTRAL WIDTH 18000.0 Hz
 ACQUISITION TIME 0.910 sec
 RELAXATION DELAY 1.500 sec
 PULSE WIDTH 7.5 usec
 TEMPERATURE 23.0 deg. C.
 NO. REPETITIONS 352
 DECOUPLE H1
 HIGH POWER 42
 DECOUPLER CONTINUOUSLY ON
 WALTZ-16 MODULATED
 DATA PROCESSING
 LINE BROADENING 3.0 Hz
 FT SIZE 32768
 TOTAL ACQUISITION TIME 14 minutes



10k

