

Some limitations of an approach to the assembly of bryostatins by ring-closing metathesis

Raphaël Dumeunier, Thomas Gregson, Somhairle MacCormick, Hiroki Omori and Eric J. Thomas*

Supplementary data

Copies of ^1H and ^{13}C NMR spectra of some key compounds –in numerical order

rd107
STANDARD IN OBSERVE

Automation directory: /data/nmrdata/Jan26
File : 0703

Pulse Sequence: zgpg30

Solvent: CDCl₃

Date: Jan 26 2005

Sample #7

File: 0703

INSTR: 300 "recpy"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 3.744 sec

Width 4797.6 Hz

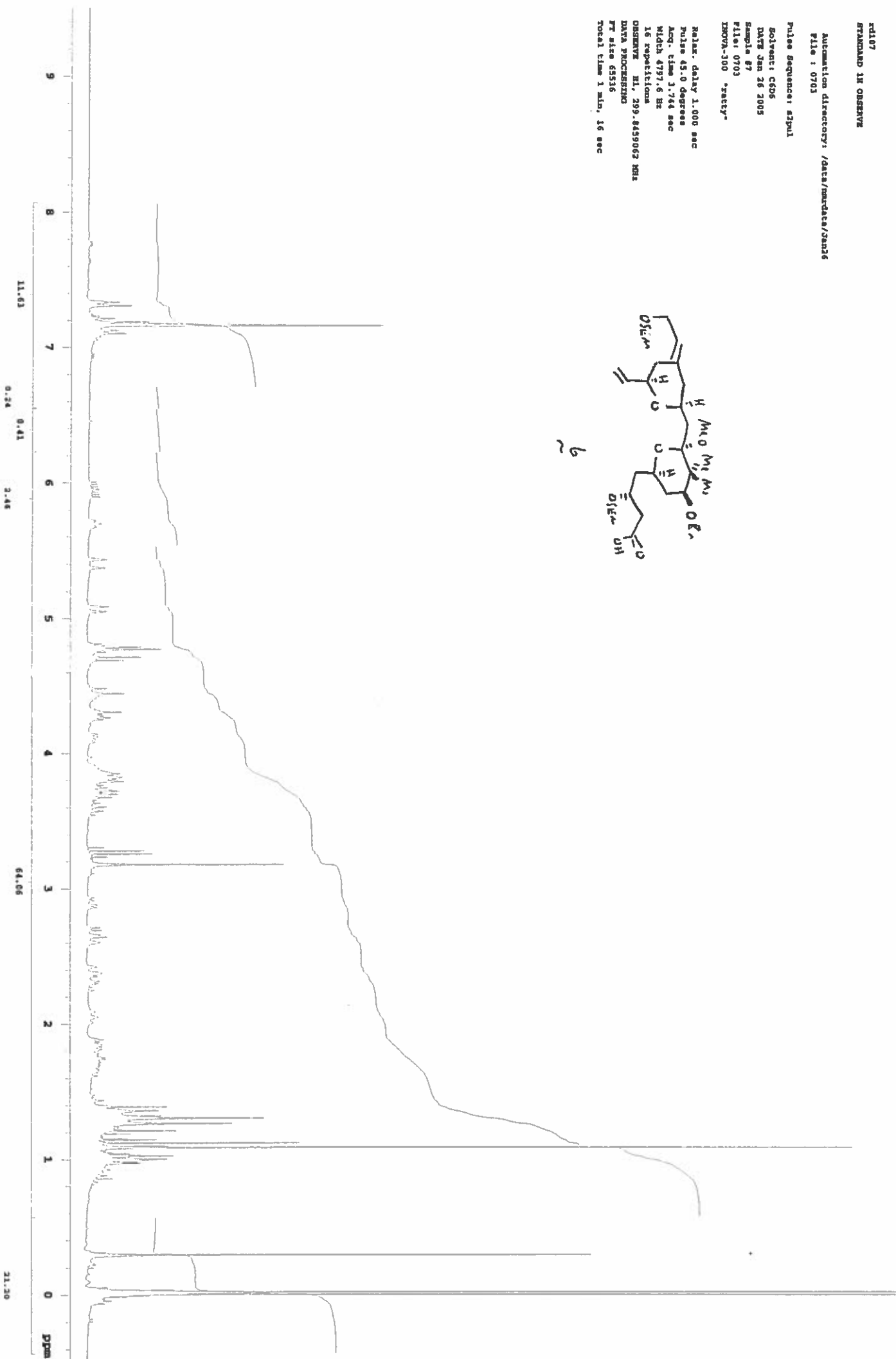
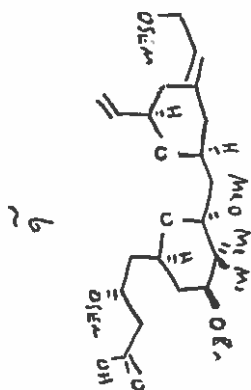
16 repetitions

OBSERVE M1, 299.8459062 MHz

DATA PROCESSING

FT size 65536

Total time 1 min, 16 sec

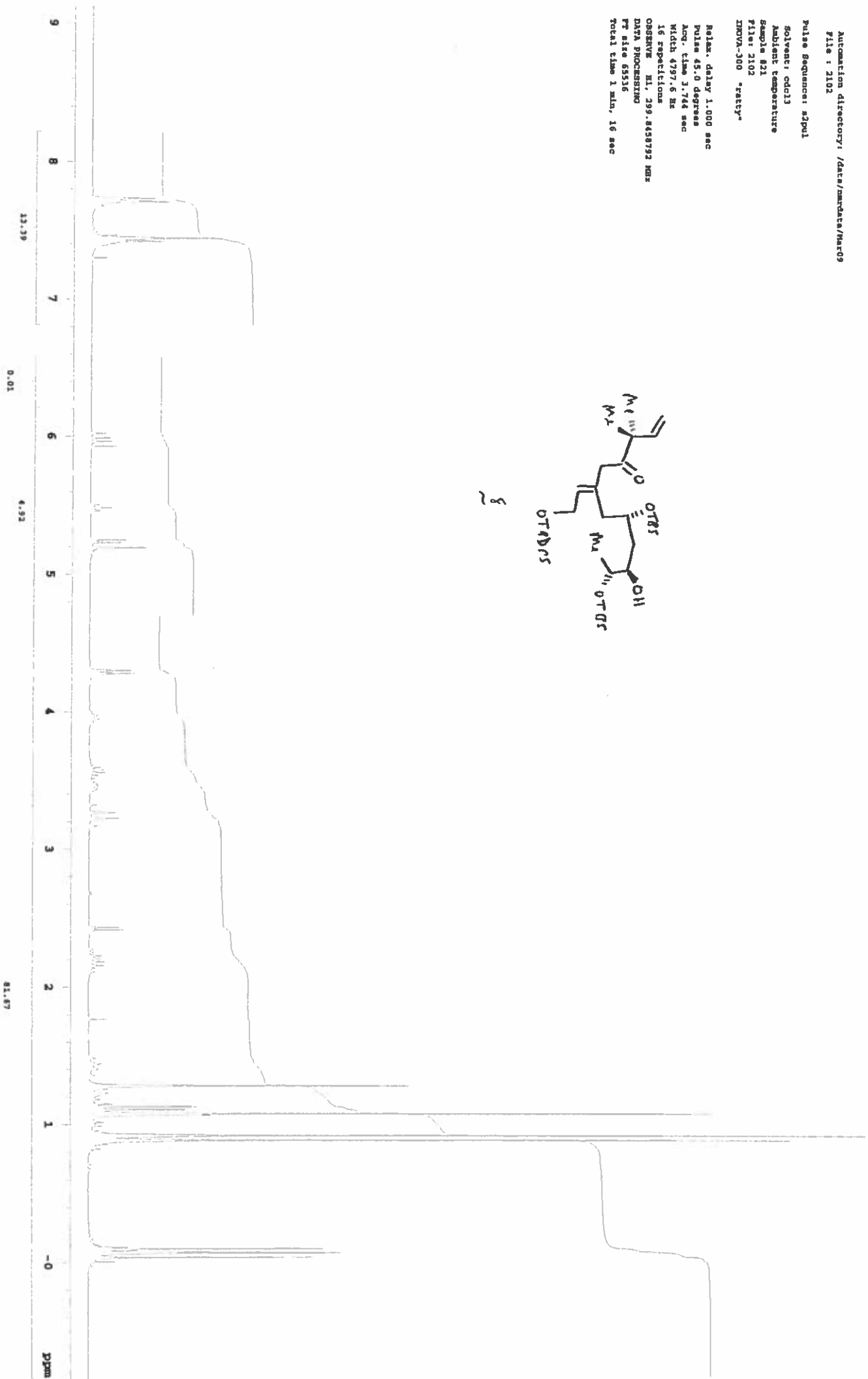
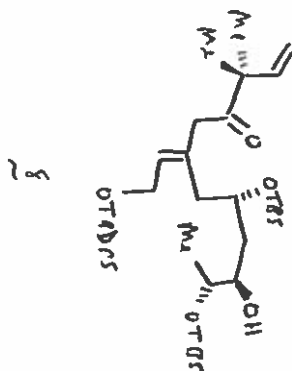


868
STANDARD IN OBSERVE

Automation directory: /data/rmr/data/Mar09
File : 2102

Pulse Sequence: zgpg30
Solvent: cdcl3
Ambient temperature
Sample 821
P1: 2102
INNOVA-300 "ratty"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.744 sec
Width 4797.6 Hz
16 repetitions
OBSERVE H1, 299.8458792 MHz
DATA PROCESSING
F1 size 65536
Total time 1 min, 16 sec



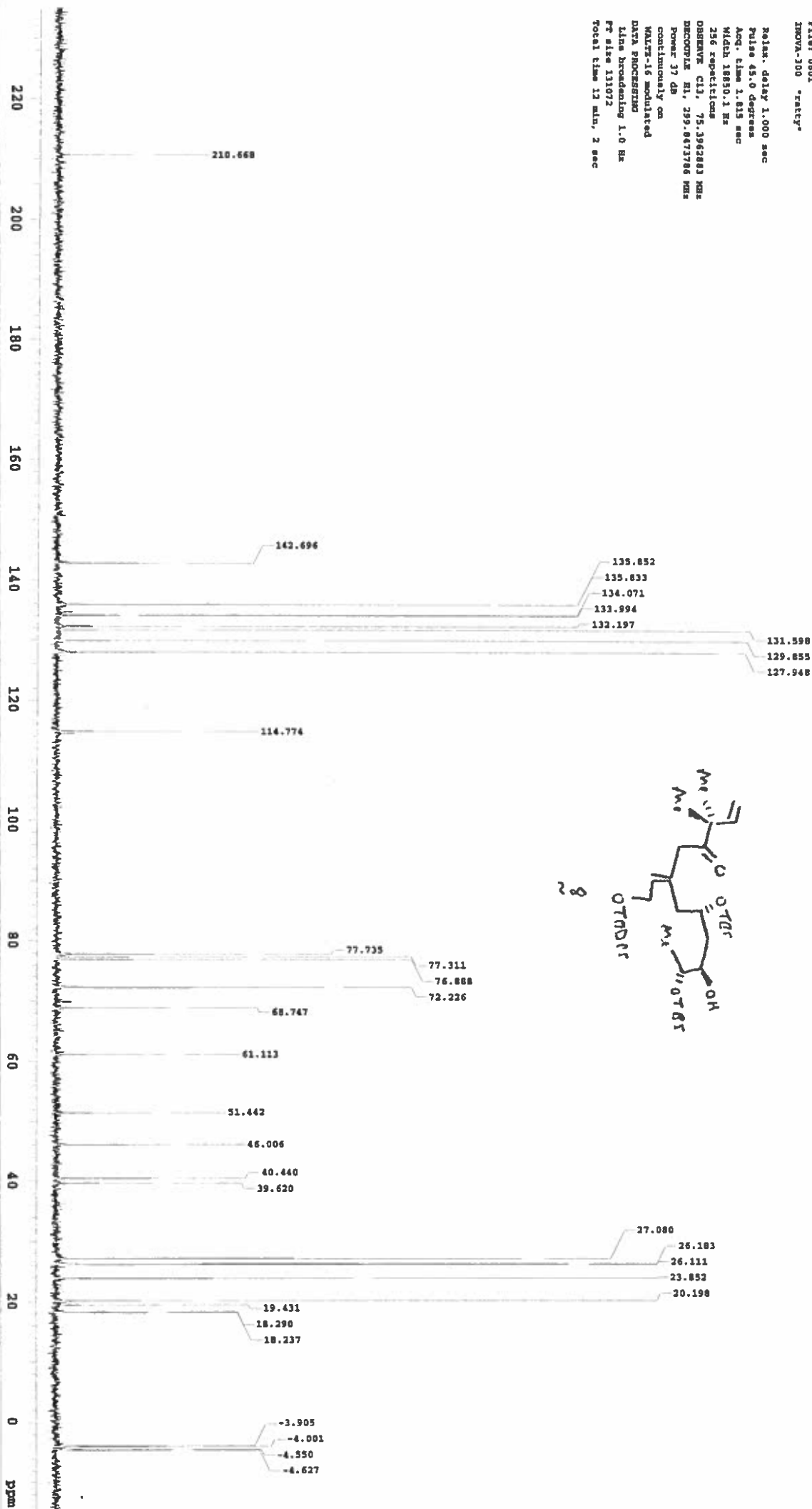
REG
11C OBSERVE

pad-2 run with f1nd0 before acquisition

Automation directory: /data/rawdata/Mario
File: 0601

Pulse Sequence: zgpg1
Solvent: cdcl3
Ambient temperature
Sample #6
File: 0601
INOVA-300 "ratty"

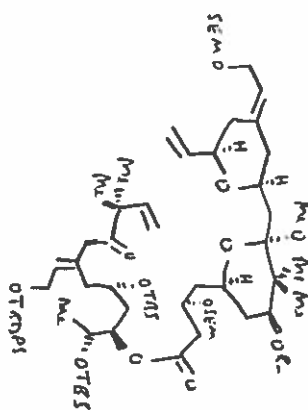
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.815 sec
Width 18850.1 Hz
256 repetitions
OBSERVE CH, 75.3962883 MHz
DECOUPLE H1, 299.8473786 MHz
Power 37 dB
continuously on
MALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 131072
Total time 12 min, 2 sec



Automation directory: /data/mrcdata/2028
 file : 0501

Pulse sequence: zgpg1
 Solvent: CSD6
 DATE Jan 28 2005
 Sample 85
 File: 0501
 INOVA-300 "rctty"

Relax. delay 1.000 sec
 Pulse 45.0 degrees
 Acq. time 3.744 sec
 Width 4797.6 Hz
 32 repetitions
 OBSERVE H1 299.8459062 MHz
 DATA PROCESSING
 FT size 65536
 Total time 3 min, 32 sec



2



Automation directory: /data/mwdata/2an28
File: 0502

Pulse sequence: zgpg1

Solvent: C6D6

DATE Jan 28 2005

Sample 85

File: 0502

INSTRUMENT: spect

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.815 sec

Width 10850.1 Hz

256 repetitions

OBSERVE C13, 75.3962931 MHz

DECOUPLE H1, 299.8474056 MHz

Power 37 dB

continuously on

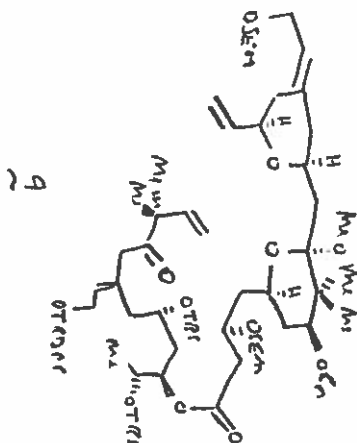
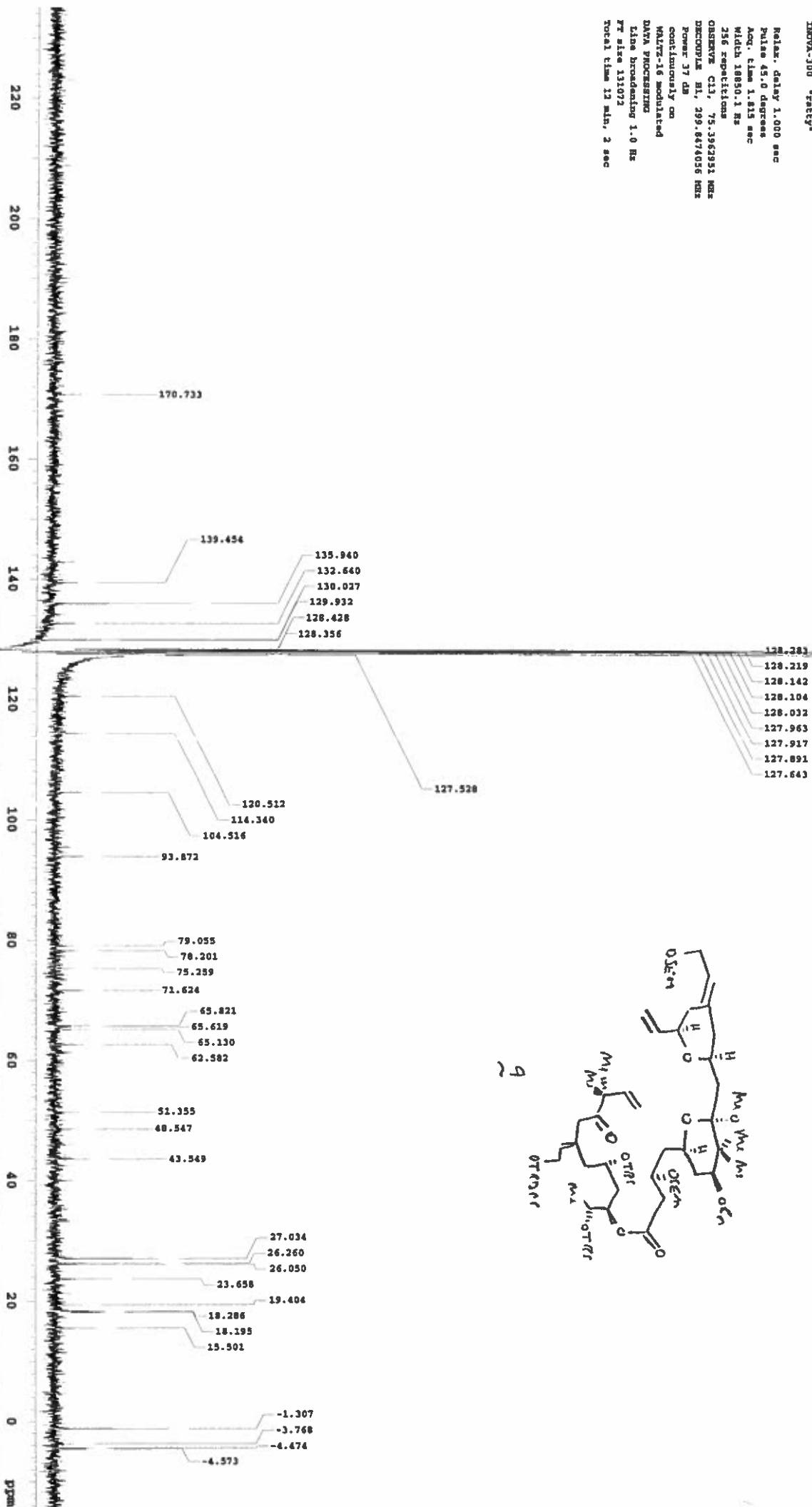
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 12 min, 2 sec



Automation directory: /data/martdata/Apr28
File : 3101

Pulse Sequence: #2pul

Solvent: cdcl_3

DATE APR 26 2003
Sample 031

Y11a: 3102

INNOVA-300 -FAEEY-

Relax. delay 1.000 sec

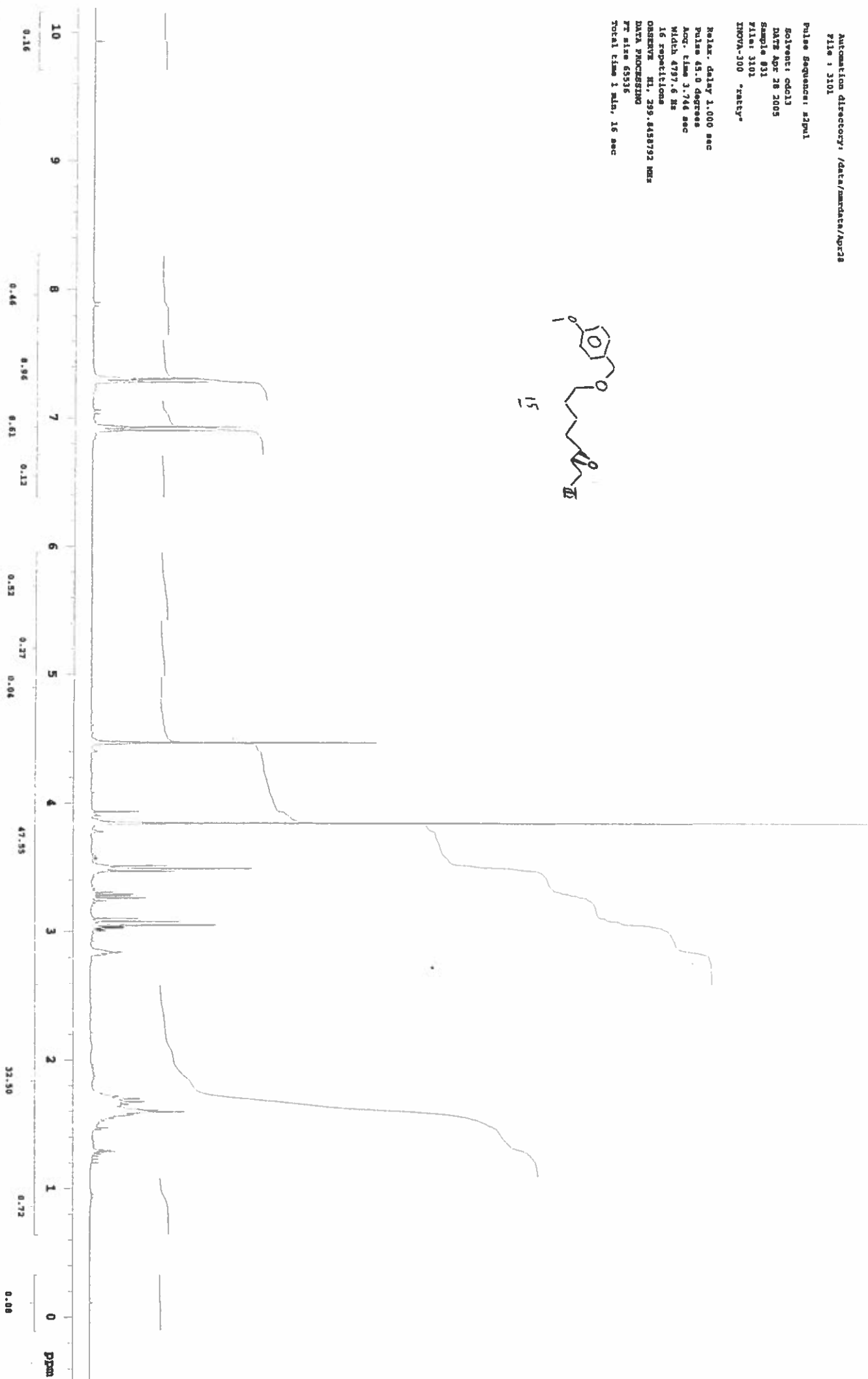
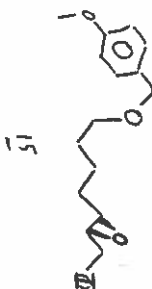
Pulse 45.0 degrees
Act: Time 1.744 sec

Width 4797.6 Hz

16 repetitions
OBSERVE III, 2

DATA PROCESSING

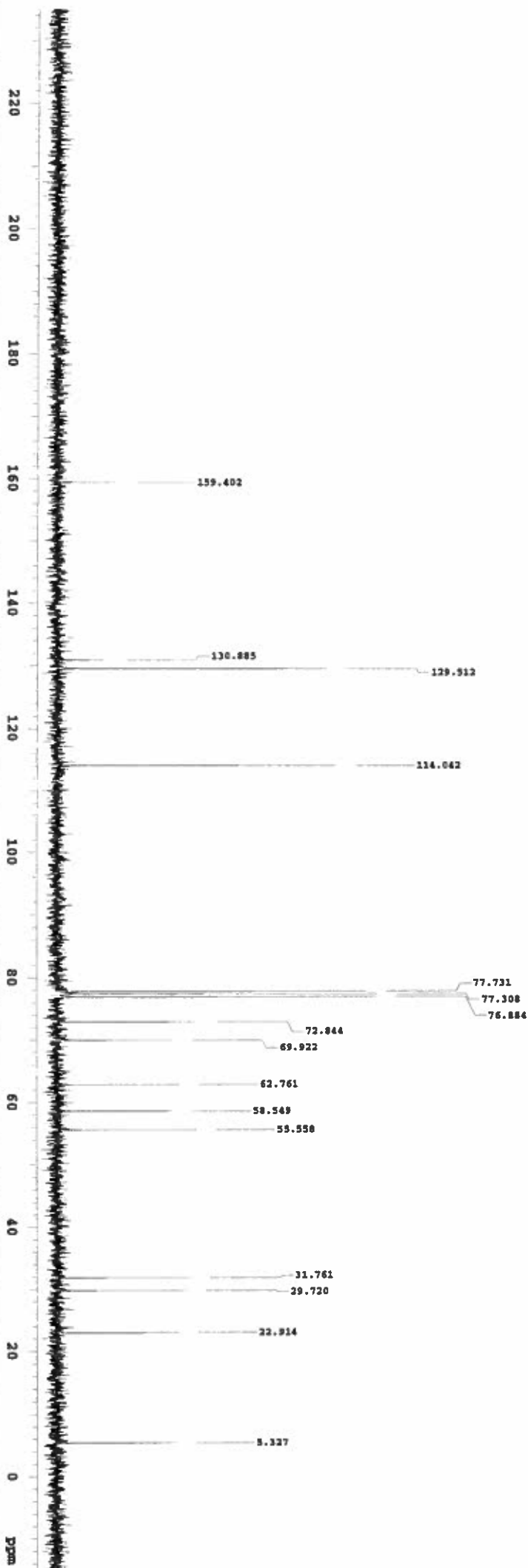
Total time 1



Automation directory: /data/rmrdate/Apr28
File : 3102

Pulse Sequence: zgpg
Solvent: cdcl3
Date: Apr 28 2005
Sample #31
File: 3102
INSTR: 300 "Prestige"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.815 sec
Width 18850.1 Hz
256 repetitions
OBSERVE ch3 75.362803 MHz
DECOUPLE H1, 299.8473786 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 131072
Total time 12 min, 2 sec



Automation directory: /data/rmdata/may09
File : 0901

Pulse Sequence: zgpg1
Solvent: cdcl3
Date May 9 2005
Sample 80
File: 0901
INOVA-300 "Fatty"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.744 sec
Width 4797.6 Hz
16 repetitions
OBSERVE H1, 299.8456792 MHz
DATA PROCESSING
PT size 65536
Total time 1 min, 16 sec



16



Automation directory: /data/mwdata/may09
File: 0902

Pulse sequence: zgpg1

Solvent: cdcl3

Date May 9 2005

Sample #9

File: 0902

INOVA-300 "raccy"

Pulpr. delay 1.000 sec

Pulpr. 45.0 degrees

Acq. time 1.815 sec

Width 18850.1 Hz

256 repetitions

OBSERVE CH. 75.362883 MHz

DECOUPLE H1. 299.8473786 MHz

Power 37 dB

continuously on

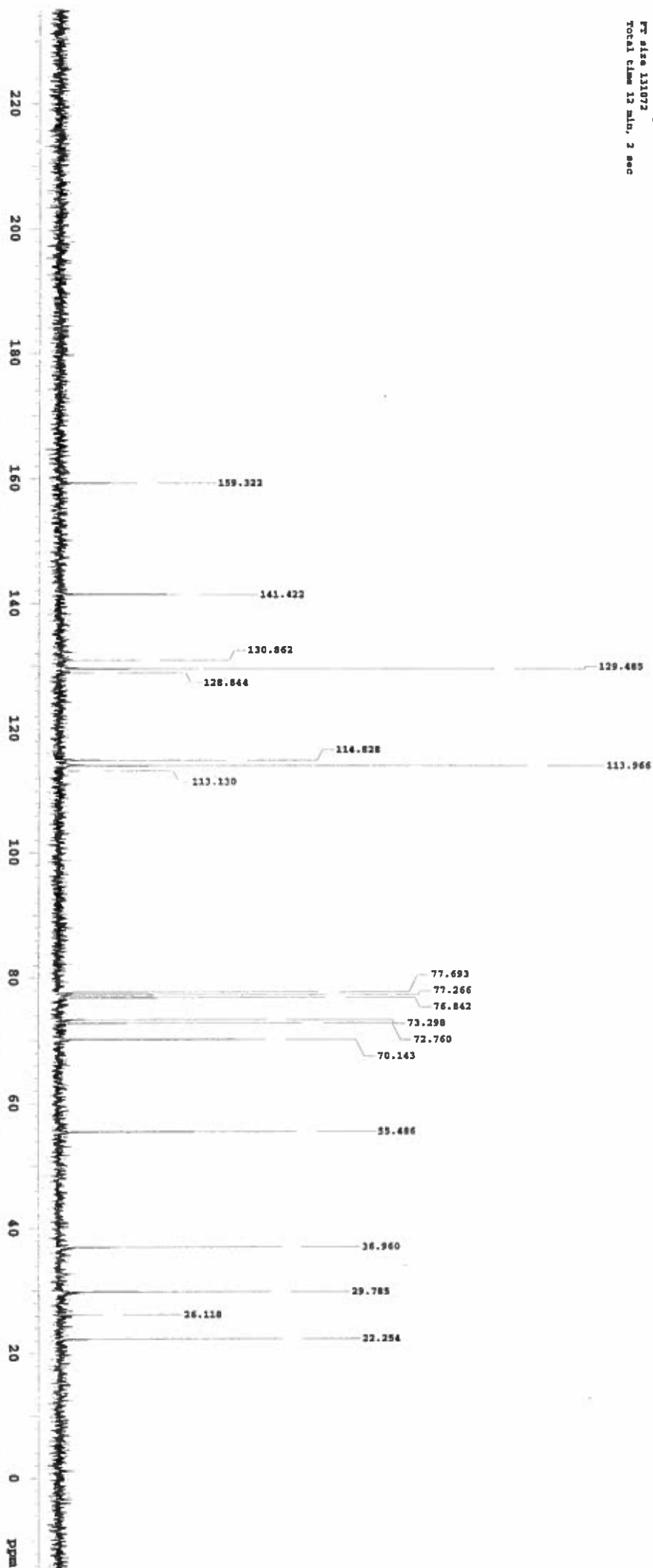
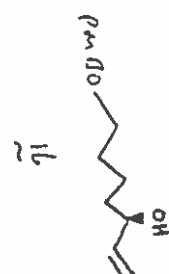
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 12 min, 2 sec



Automation directory: /data/mwdata/may23
File: 3301

Pulse sequence: zgpg1
Solvent: cdcl3
DATE May 23 2005
Sample 833
File: 3301
INOVA-300 "rcty"

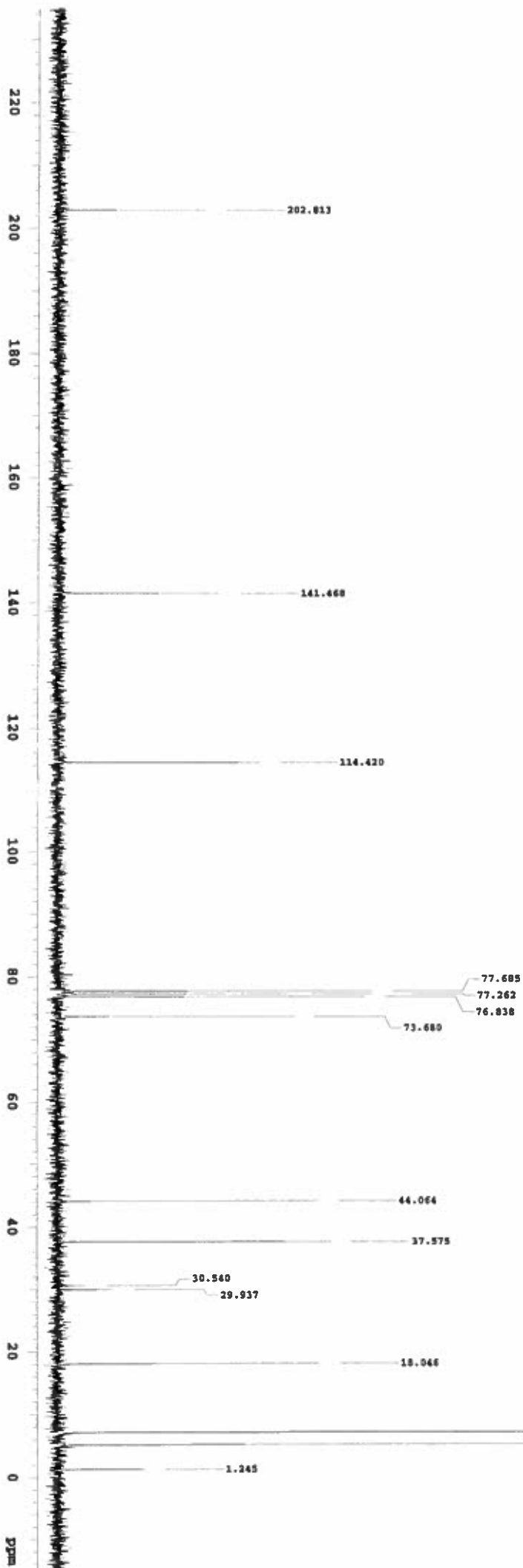
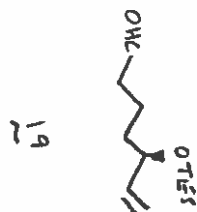
Pulse delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.744 sec
Width 4797.6 Hz
16 repetitions
OBSERVE H1, 299.8458792 MHz
DATA PROCESSING
PT size 65536
Total time 1 min, 16 sec



Automation directory: /data/mrdate/may23
File : 3302

Pulse Sequence: zgpg1
Solvent: cdcl3
DATE May 23 2005
Sample #33
File: 3302
INSTR-300 "recty"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.815 sec
Width 18850.1 Hz
356 repetitions
OBSERVE CH: 75.362803 MHz
NUC1: 13C, 299.867786 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
line broadening 1.0 Hz
FT alias 13072
Total time 13 min, 2 sec



Automation directory: /data/mwdata/may27
File: 2601

Pulse sequence: zgpg1

Solvent: CDCl3 *in CDCl3*

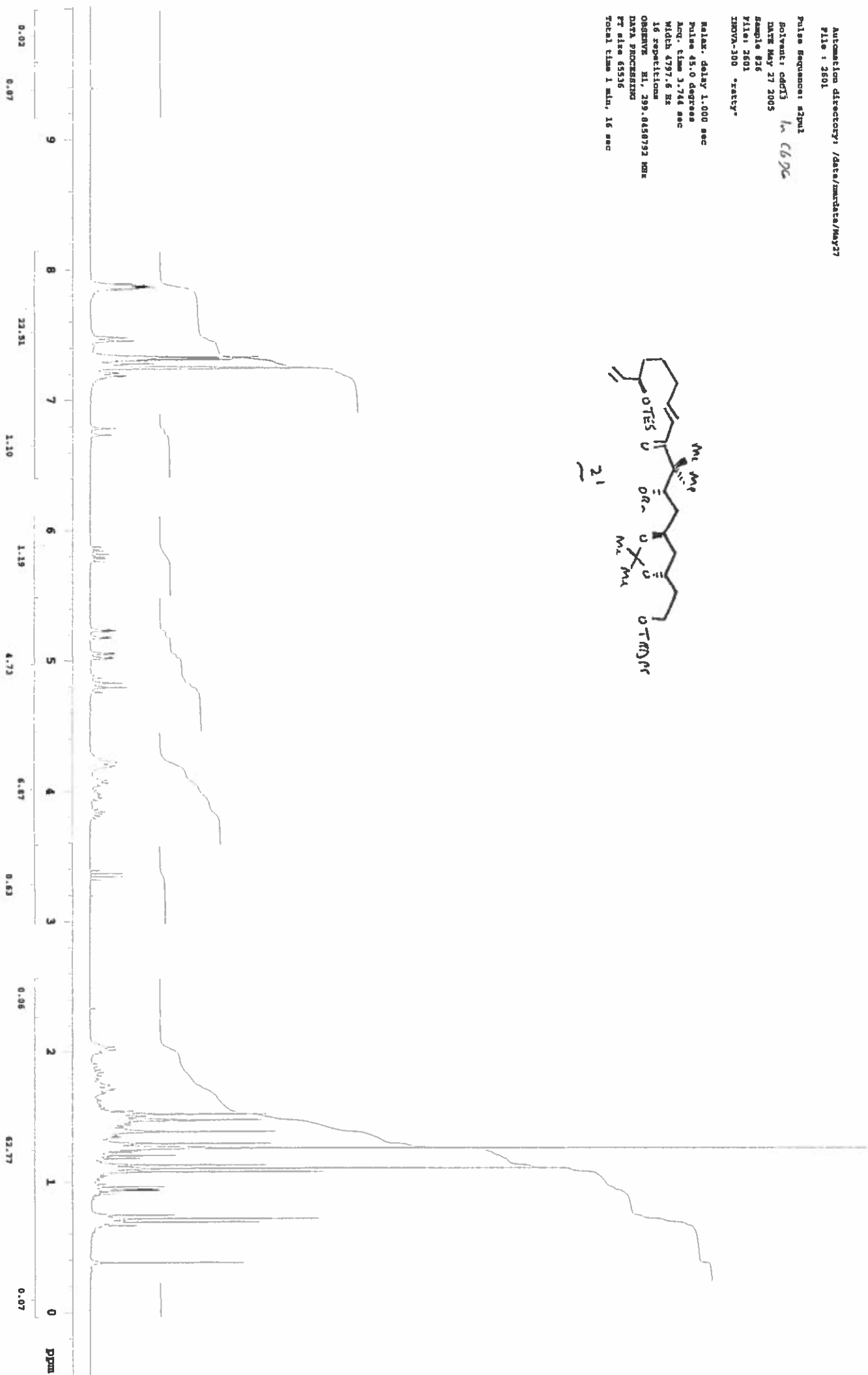
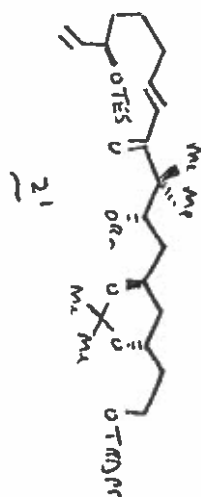
DATE: May 27 2005

Sample: 826

File: 2601

INVT-300 "relax"

Relax. delay: 1.000 sec
Pulse: 45.0 degrees
Acq. time: 3.746 sec
Width: 4797.6 Hz
16 repetitions
OBSERVE: KL 299.0450792 MHz
DATA PROCESSING
FT size: 65536
Total time: 1 min, 16 sec

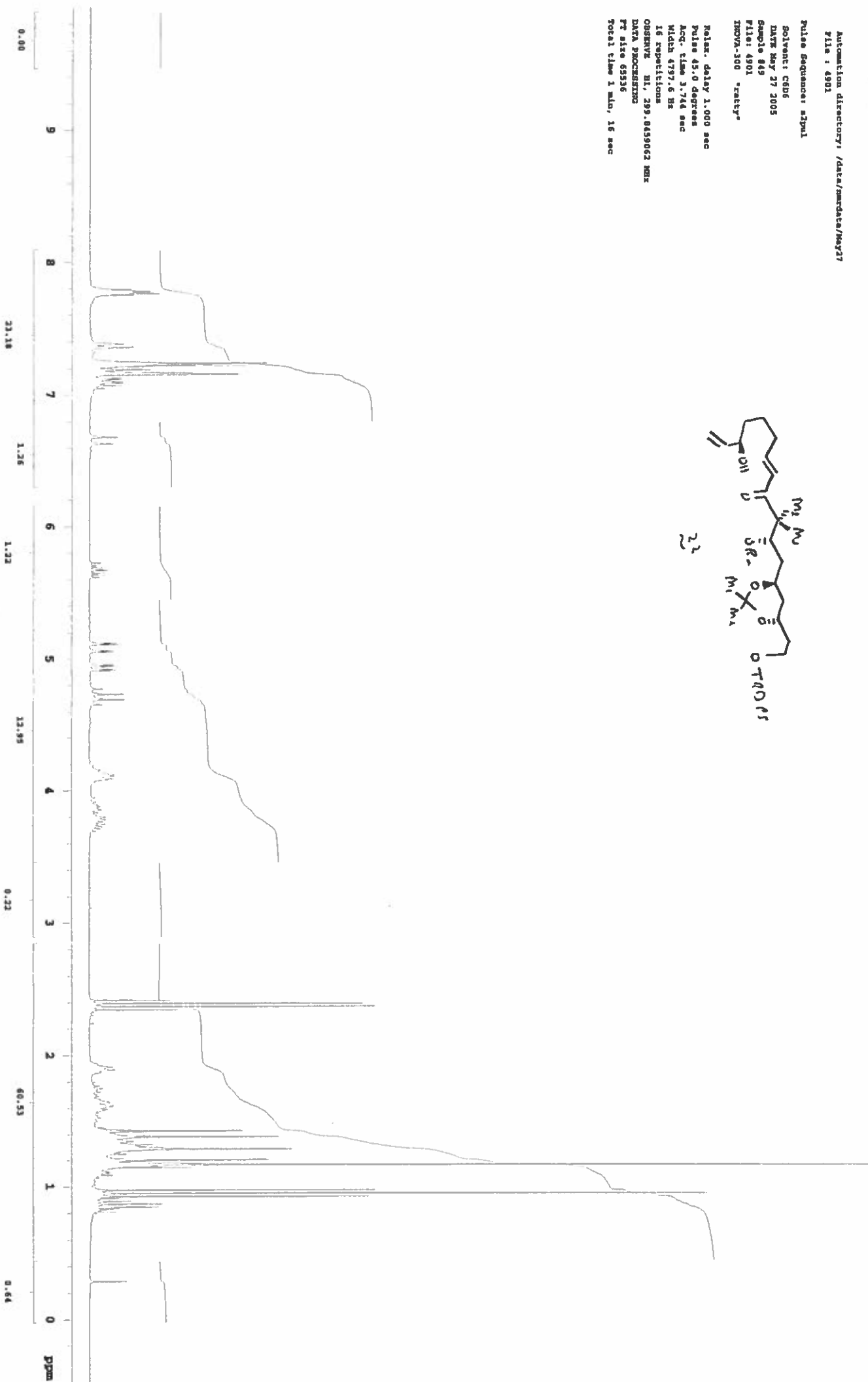
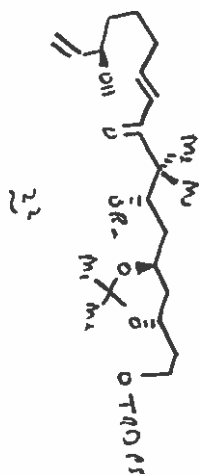


msccc-06-51
STANDARD IR OBSERVE

Automation directory: /data/rmdata/May27
File : 4901

Pulse Sequence: zgpg30
Solvent: CDCl3
Date May 27 2005
Sample 849
File: 4901
INOVA-300 "crazy"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.744 sec
Width 4797.6 Hz
16 repetitions
OBSERVE H1, 299.8439063 MHz
DATA PROCESSING
FT size 65536
Total time 1 min, 16 sec



Automation directory: /data/murdata/may27
File: 4902

Pulse Sequence: zgpg1

Solvent: CDCl₃

DATE May 27 2005

Sample 849

File: 4902

INOVA-100 "ratty"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.815 sec

Width 18850.1 Hz

256 repetitions

OBSERVE C13, 75.362951 MHz

DECOUPLE H1, 299.8474056 MHz

Power 37 dB

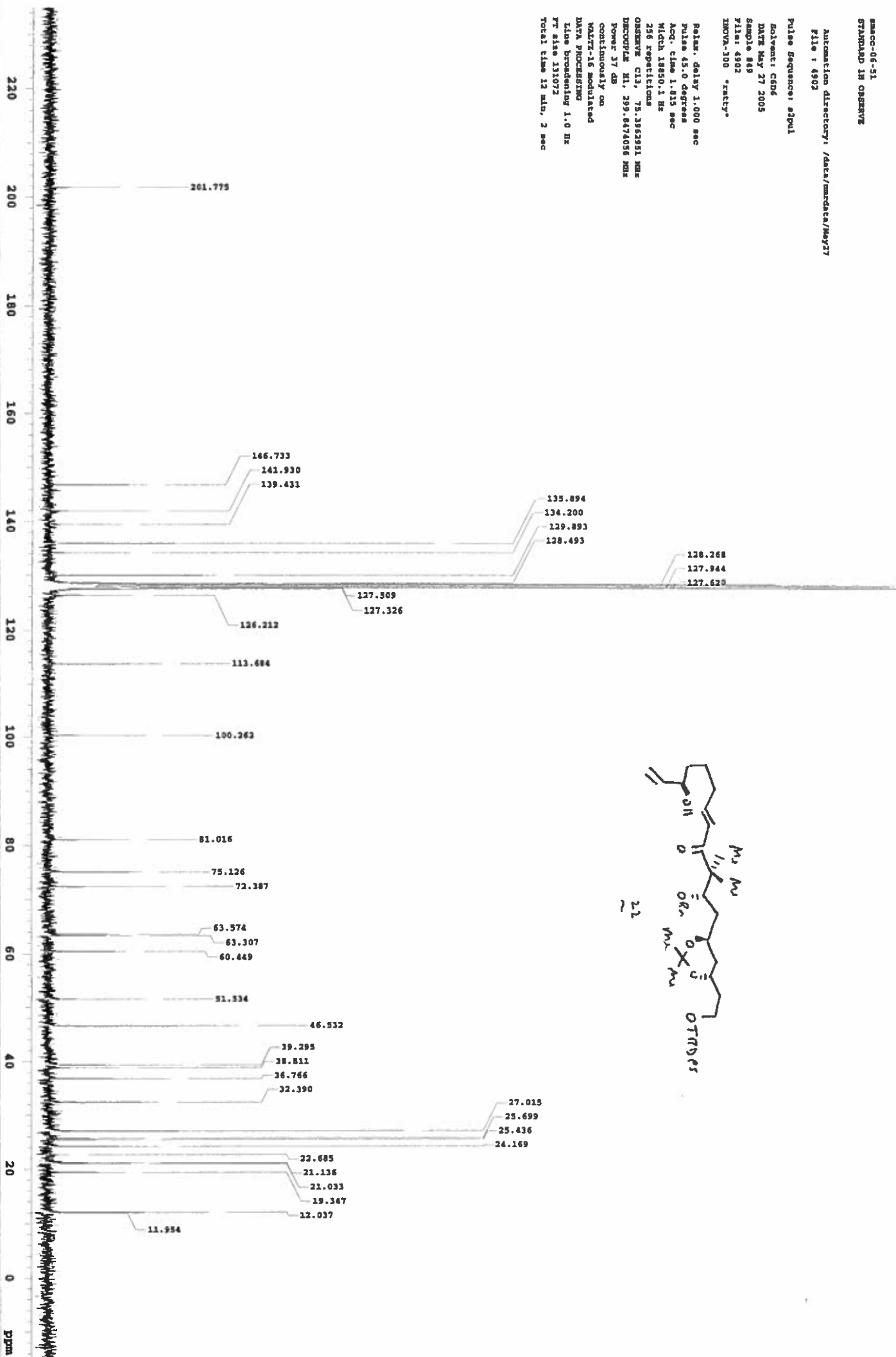
continuously on

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 12 min, 2 sec



Automation directory: /data/rawdata/may31
File: 1001

Pulse Sequence: zgpg1

Solvent: cdcl3

Date May 31 2005

Sample 810

File: 1001

INOVA-300 "reacty"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 3.744 sec

Width 4797.6 Hz

16 repetitions

OBSERVE H1, 299.8458732 MHz

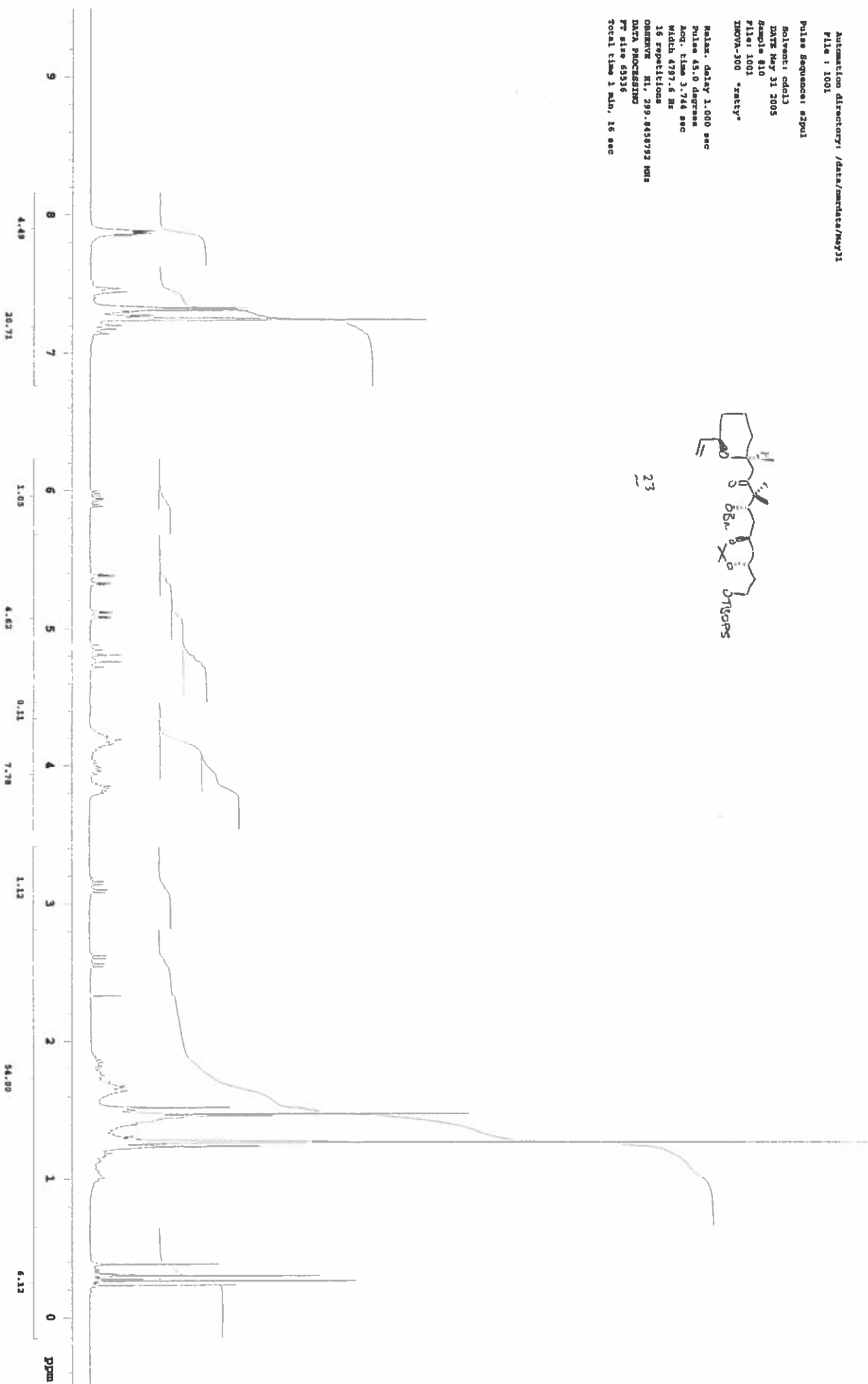
DATA PROCESSING

PT size 65536

Total time 1 min, 16 sec



23



Automation directory: /data/metadata/jm003
File: 4002

Pulse Sequence: $m2pul$

Solvent: C6D6

Sample #10

IMOVA-300 "rally"

Relax. delay 1.000 sec

Acq. time 1.015 sec

Width 10050.1 Hz

OBSEVING C13, 75.3962951 MHz

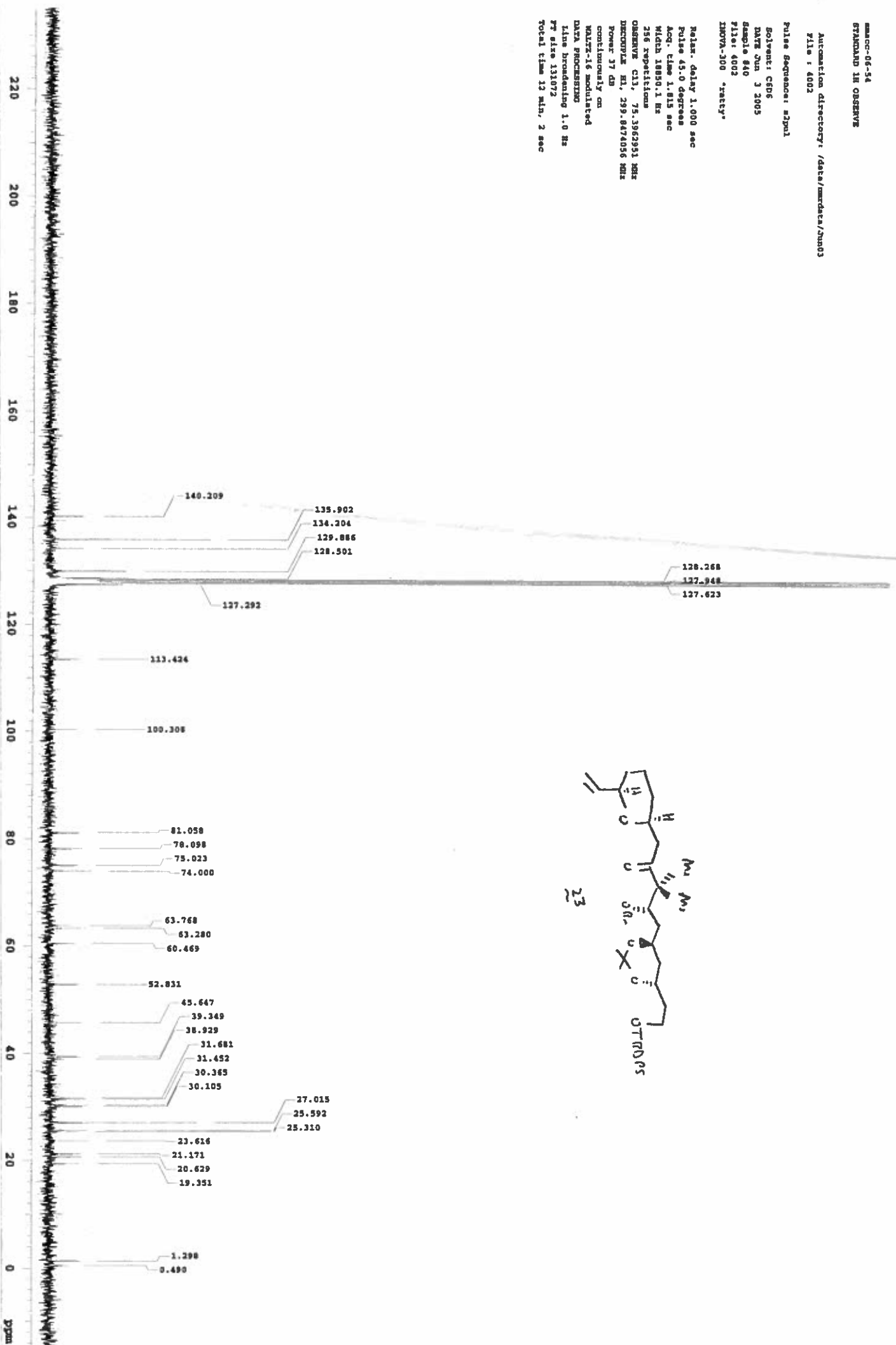
DECUPLE H1, 299.8474056 MHz
Power 17 dB

continuously on

VALTZ-16 modularized
DATA PROCESSING

Line broadening 1.0 Hz

Total time 13 min, 2 sec



STANDARD 14 OBSERVE
SMA CG-07-05

Automation directory: /data/martdata/Jul29
File : 3601

Pulse Sequence: $m2pul$

Solvent: C6D6

Bump: #36

IMOVA-300 • Athos

IMOVA-300 • Atlas

Relax. delay 1.000 sec
Pulse 45.0 degrees

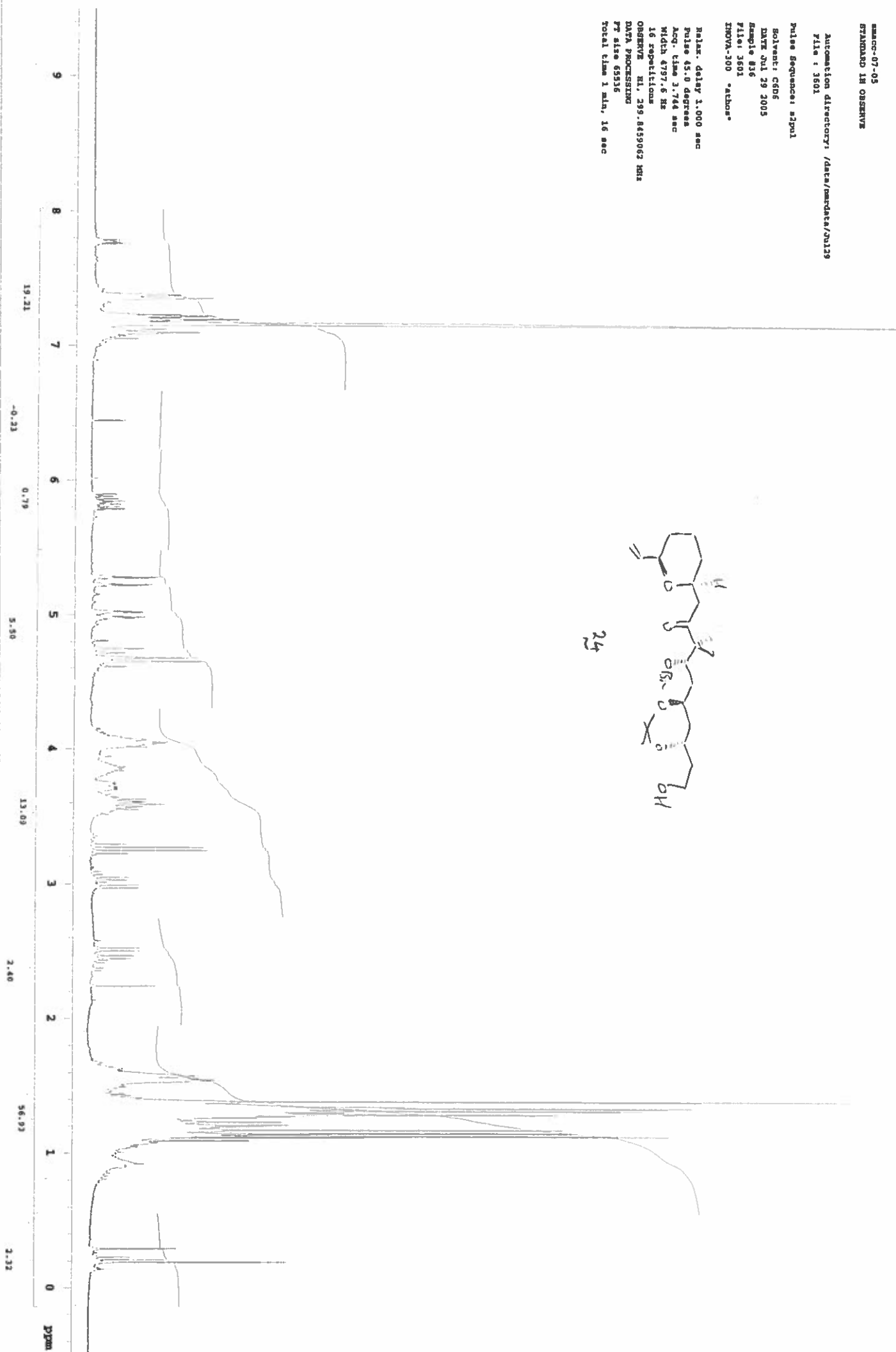
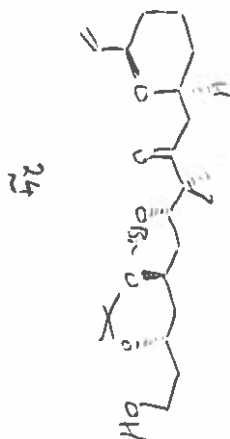
Acq. time 3.764 sec
Width 4707 E Hz

16 repetitions

OBSERVE H1, 299.8459062 MHz

DATA PROCESSING
PT 4130 65536

Total time 1 min, 16 sec



smac-07-05
STANDARD IS OBSERVE

Automation directory: /data/rawdata/01129
File: 3602

Pulse Sequence: zgpg1

Solvent: CDCl₃

Date: Jul 29 2005

Sample: 836

File: 3602

INSTR: 300 MHz

PROB: 1H/13

Pulse delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 1.815 sec

Width: 18850.1 Hz

256 Repetitions

OBSERVE: CH3, 75.362951 MHz

DECOUPLE: H1, 299.8474056 MHz

Power: 37 dB

Continuously on

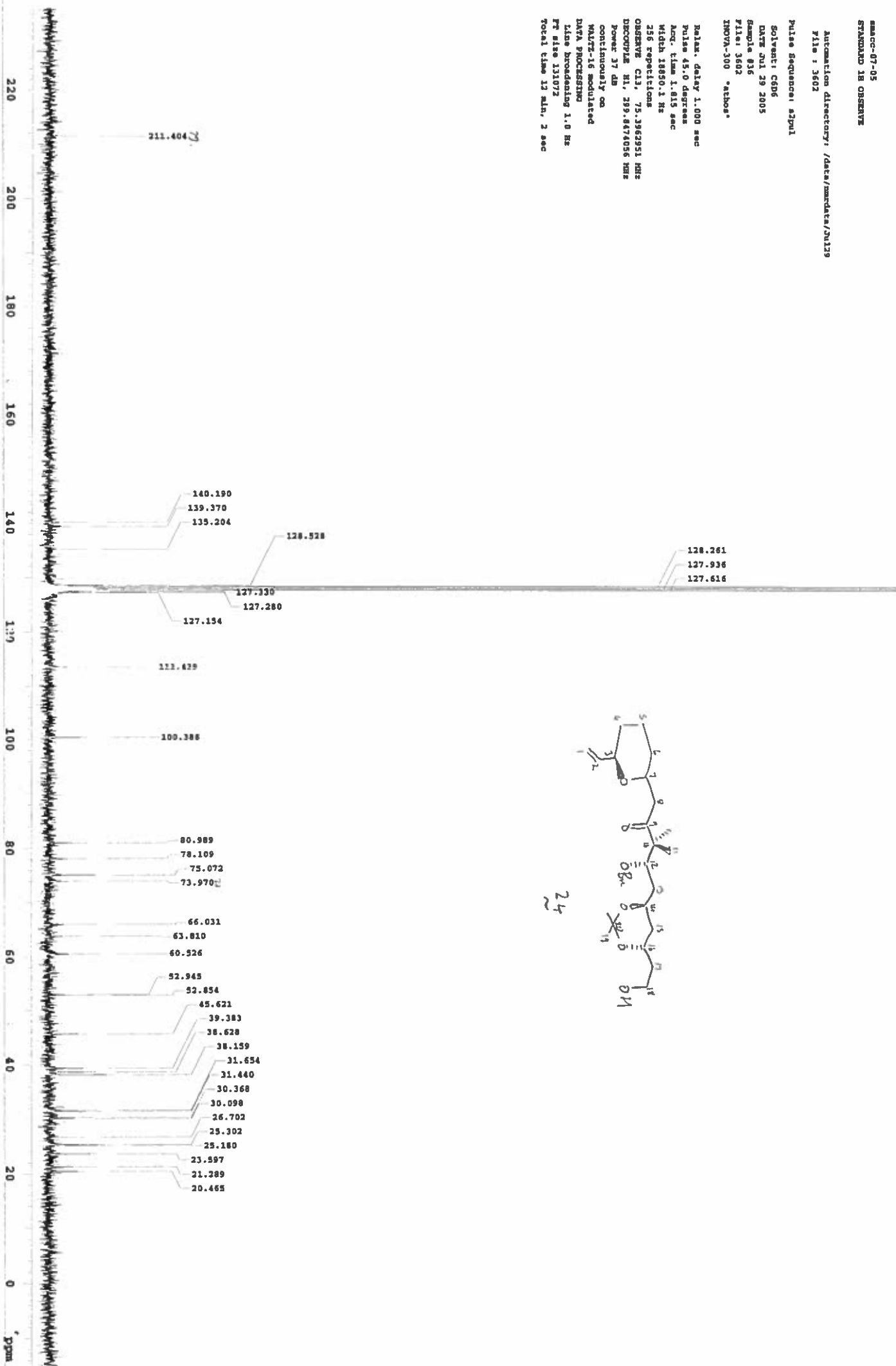
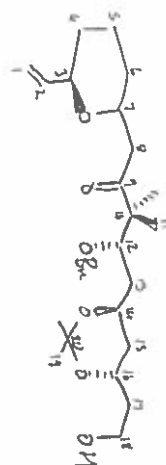
WALTZ-16 modulated

DATA PROCESSING

Line broadening: 1.0 Hz

FT size: 131072

Total time: 12 min, 2 sec

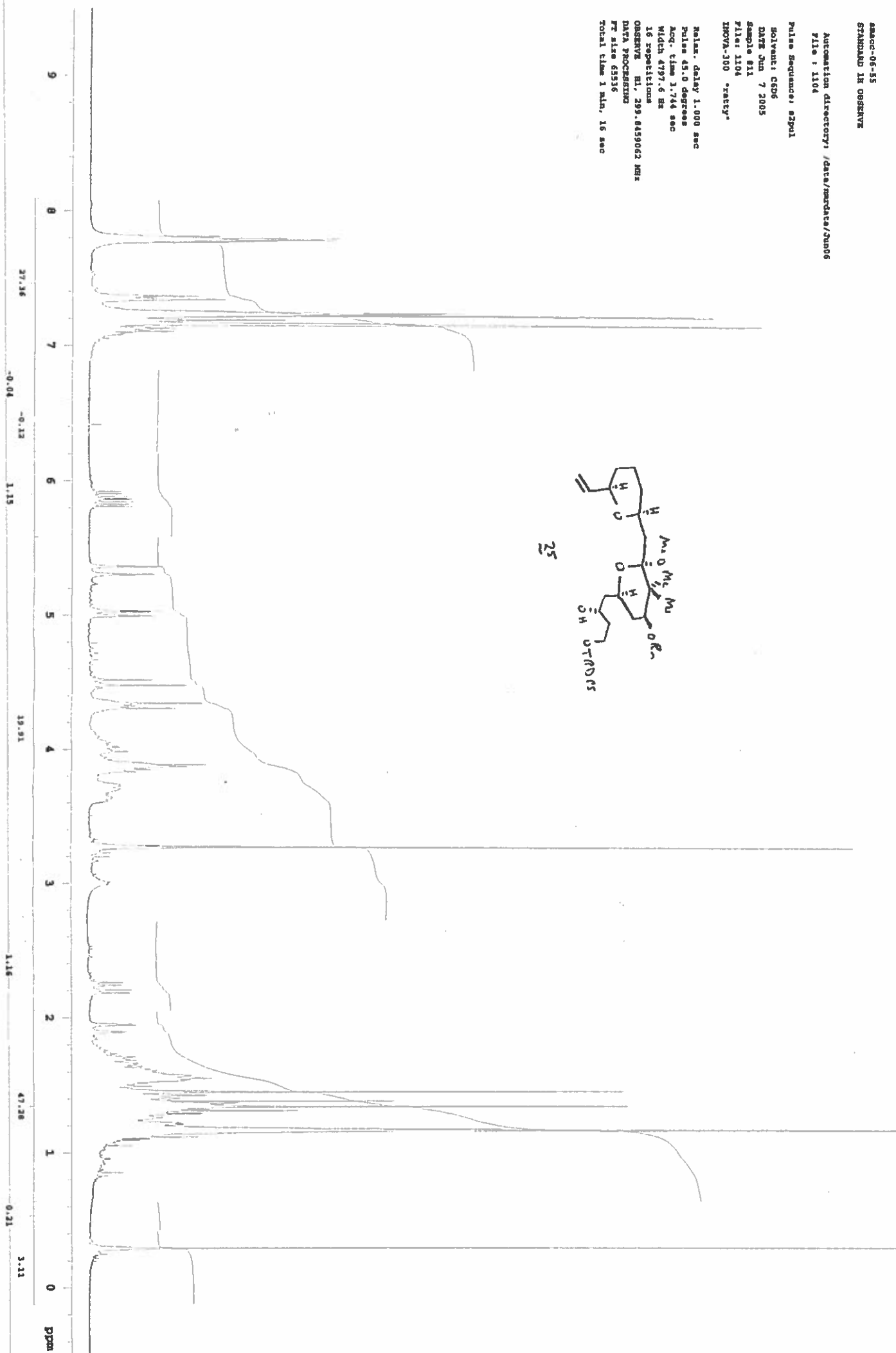
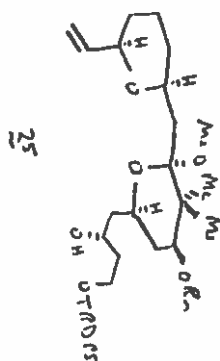


smacc-06-55
STANDARD IR OBSERVE

Automation directory: /data/mrdata/2un06
File: 1104

Pulse Sequence: zgpg1
Solvent: CDCl₃
Date: Jun 7 2005
Sample #11
File: 1104
INOVA-300 "runcy"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.744 sec
Width 4797.6 Hz
16 repetitions
OBSERVE H1, 299.045062 MHz
DATA PROCESSING
F2 size 65536
Total time 1 min, 16 sec



NAME: 07-05
STANDARD: IS OBSERVE

Automation directory: /data/nmrdata/07129
File: 3602

Pulse Sequence: zgpg30

Solvent: CF₃CO₂H

Date: Jul 29 2005

Sample: 836

File: 3602

INNOVA-100 "athos"

Relax. delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 1.815 sec

Width: 10850.1 Hz

256 repetitions

OBSERVE: C13, 75.3962951 MHz

DECOUPLE: H1, 299.8474056 MHz

Power: 37 dB

continuously on

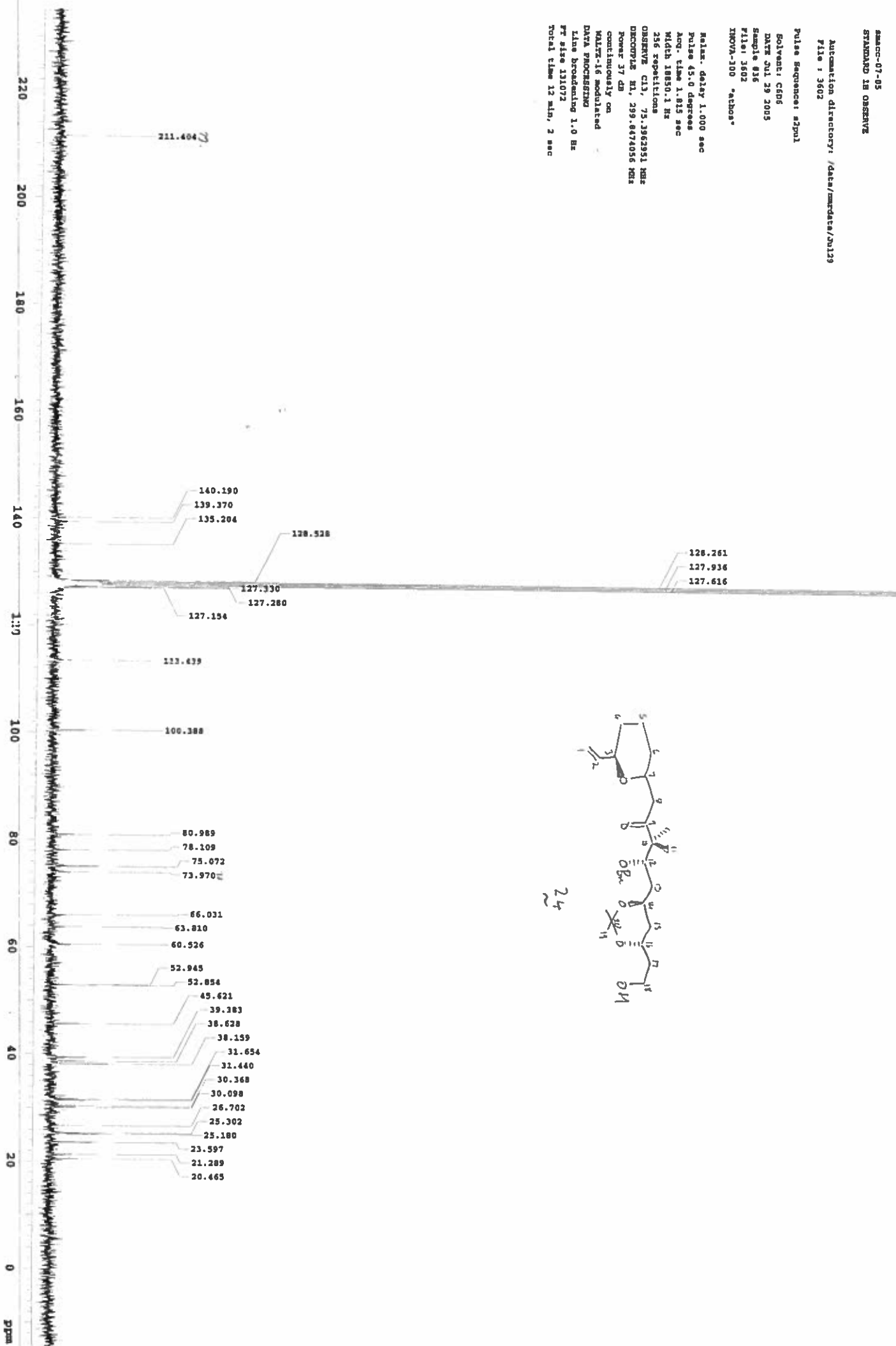
WALTZ-16 modulated

DATA PROCESSING

Line broadening: 1.0 Hz

FT size: 131072

Total time: 12 min, 2 sec

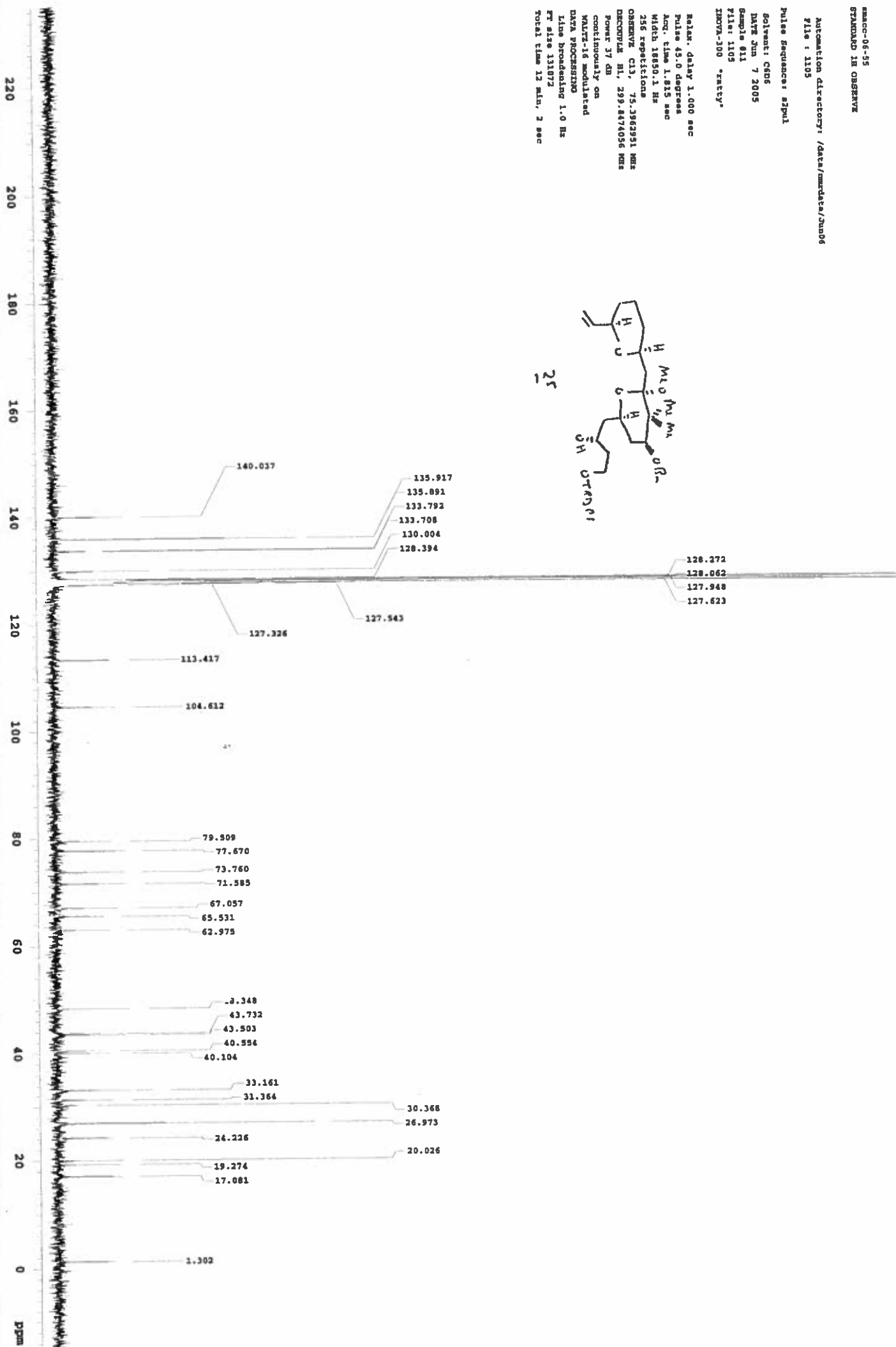
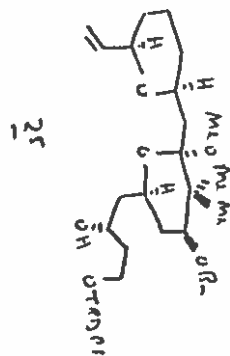


Automation directory: /data/omdata/2nd06
File : 1105

Pulse Sequence: zgpg30

Solvent: CDCl₃
Date: Jun 7 2005
Sample: 811
File: 1105
INSTR: 300 "rtecy"

Pulse delay: 1.000 sec
Pulse: 45.0 degrees
Acq. time: 1.815 sec
Width: 16850.1 Hz
256 repetitions
OBSERVE: C13, 75.3962951 MHz
DECOUPLE: H1, 299.8474056 MHz
Power: 37 dB
continuously on
MAGNET: 16 modulated
DATA PROCESSING
Line broadening: 1.0 Hz
FT size: 131072
Total time: 12 min, 2 sec



smac-06-65
STANDARD 1H OBSERVE

Automation directory: /data/nucldata/jun12
File: 1302

Pulse Sequence: zgpg30

Solvent: CDCl₃

DATE: Jun 23 2005

Sample: 813

File: 1302

INSTR: spect

Pulse delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 3.744 sec

Width: 4797.6 Hz

12 repetitions

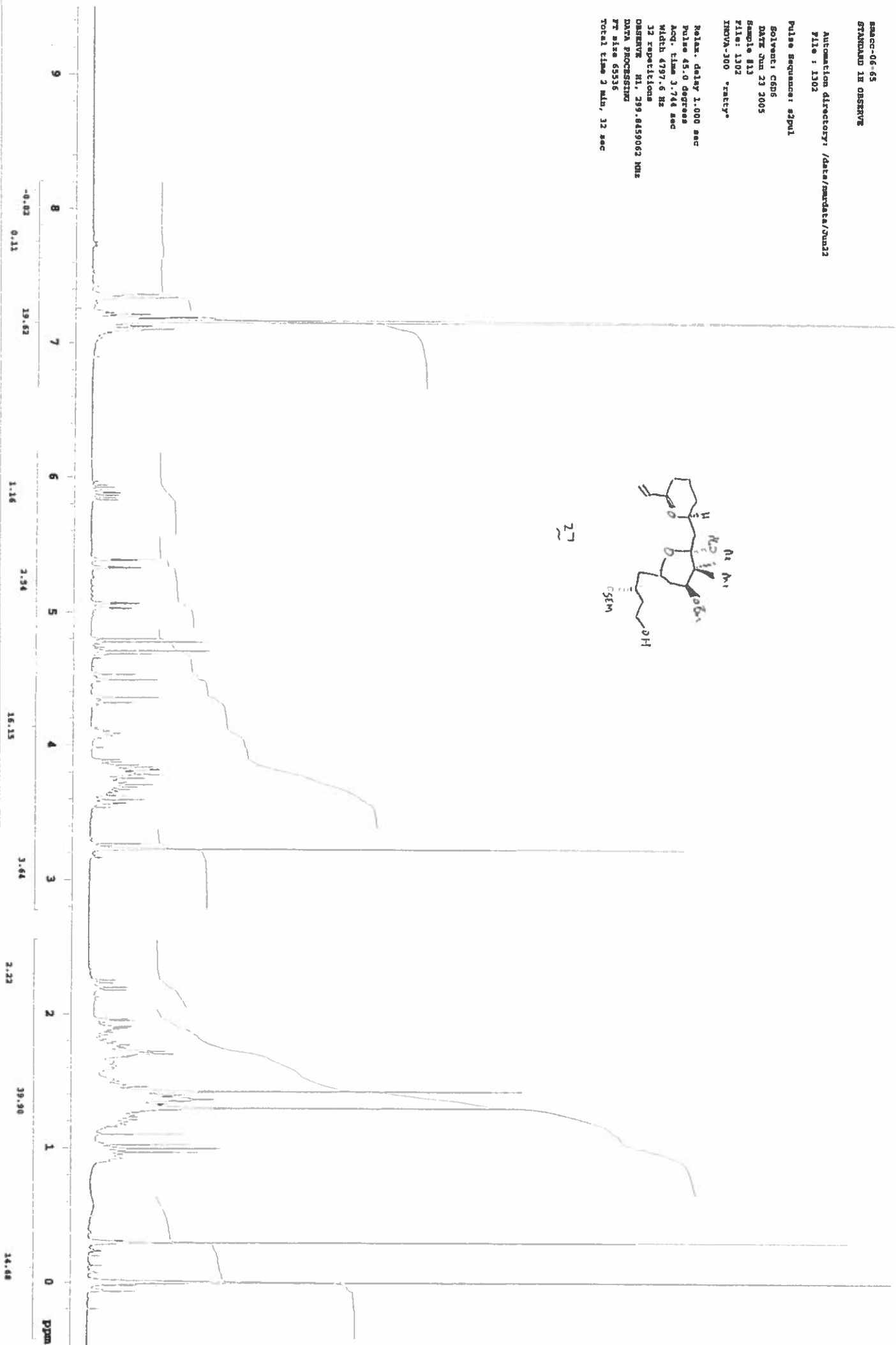
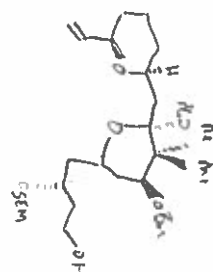
OBSERVE: H1, 299.8459062 MHz

DATA PROCESSING

FF: also 65536

Total time: 3 min, 32 sec

27

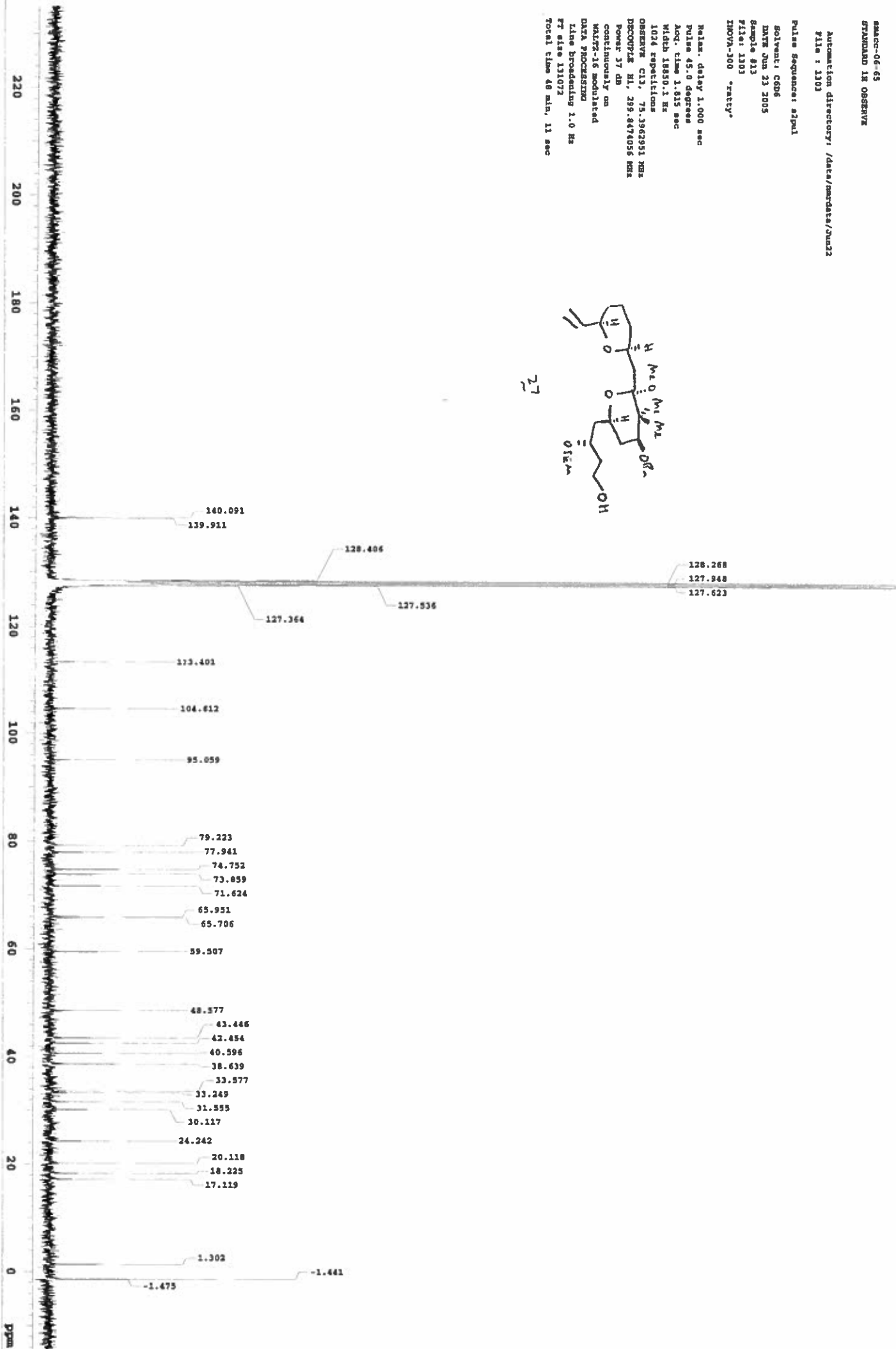
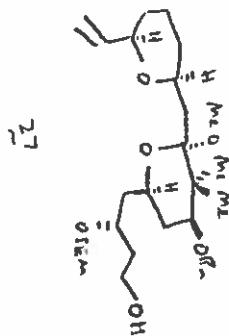


smac-06-65
STANDARD IR OBSERVE

Automation directory: /data/smldata/2002
File: 1103

Pulse sequence: zgpg
Solvent: C6D6
Date: Jun 23 2005
Sample #13
File: 1103
INOVA-100 "ratty"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.815 sec
Width 18850.1 Hz
1024 repetitions
OBSERVE C13, 75.3062951 MHz
DECOUPLE H1, 299.8474036 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 111072
Total time 48 min, 11 sec



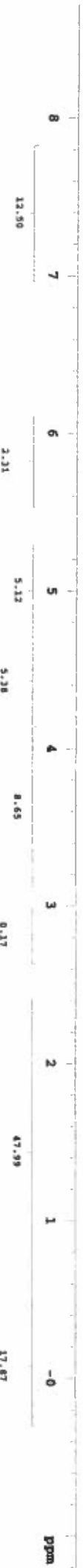
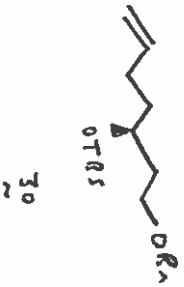
c:\9 593
STANDARD 1H OBSERVE

Automation directory: /data/nmrdata/mar09
File : 0102

Pulse Sequence: zgpg30

Solvent: cdcl3
Date Mar 9 2005
Sample 83
File: 0102
INOVA-300 "athos"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.764 sec
Width 2978.4 Hz
16 repetitions
OBSERVE H1, 299.8458792 MHz
DATA PROCESSING
F2 size 32768
Total time 1 min, 16 sec



13C OBSERVE

pad-2 run with finda0 before acquisition

Automation directory: /data/metadata/Jun15
File: 4301

Pulse Sequence: zgpg30

Solvent: CDCl3

DATE: Jun 15 2005

Sample: 843

File: 4301

INSTRUMENT: spect

Relax. delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 1.815 sec

Width: 18850.1 Hz

256 repetitions

OBSERVE: c13, 75.3962883 MHz

DECOUPLE: H1, 299.8473786 MHz

Power: 17 dB

Continuously on

WALTZ-16 modulated

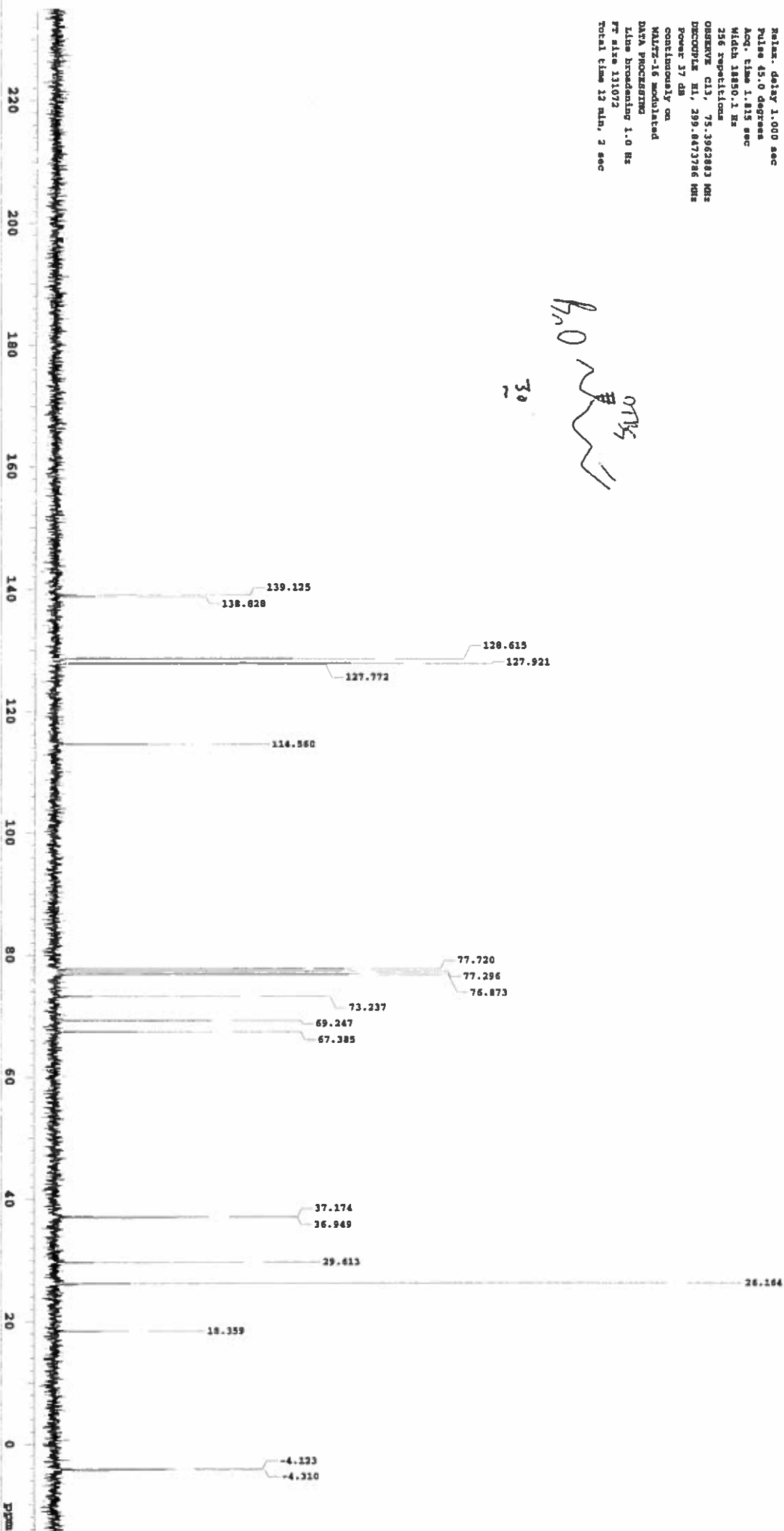
DATA PROCESSING

Line broadening: 1.0 Hz

FT size: 131072

Total time: 13 min, 2 sec

Handwritten notes: *60*, *30*, *OTB*

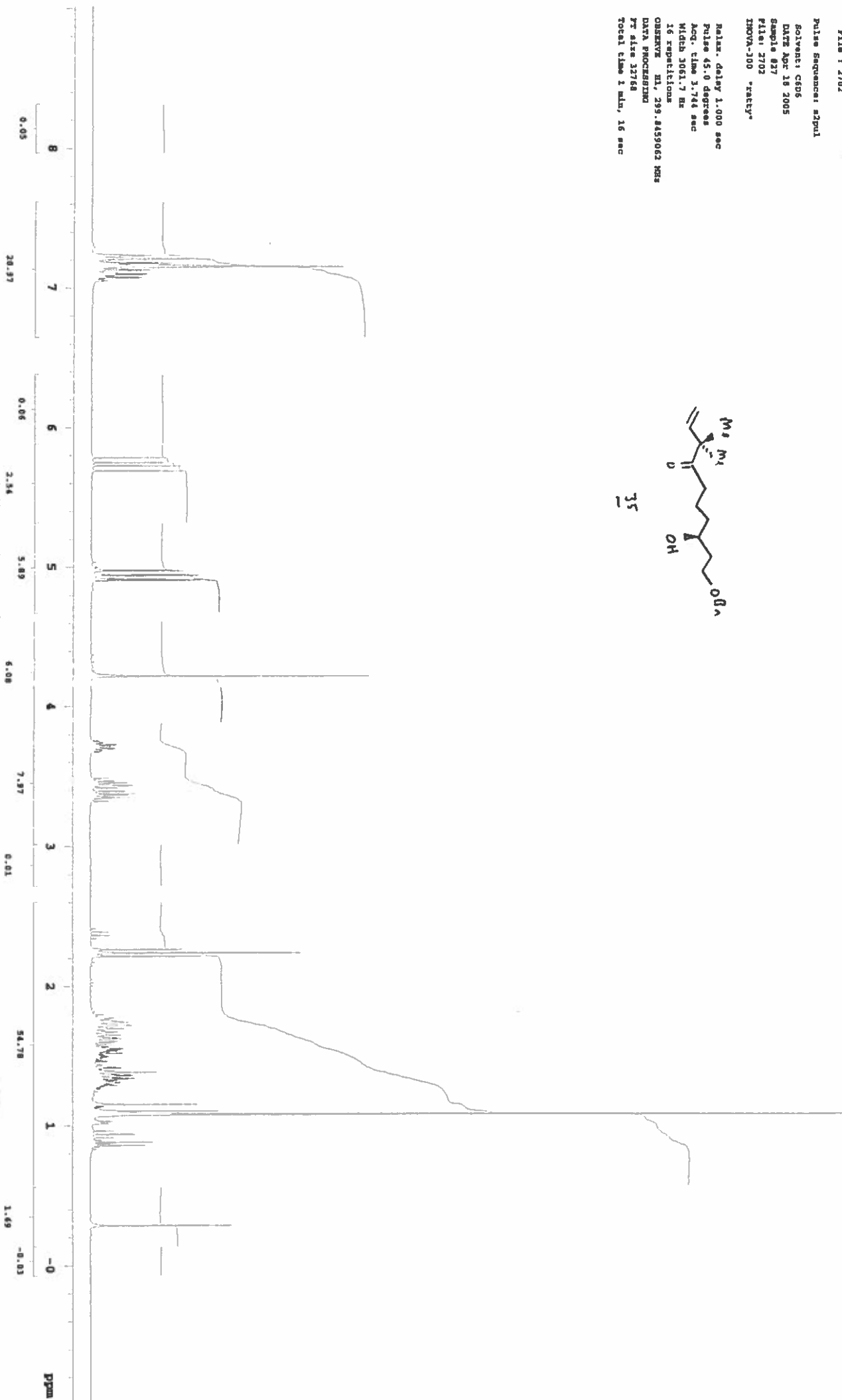
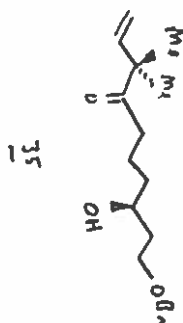


c:\g 609 c
STANDARD 1B OBSERVE

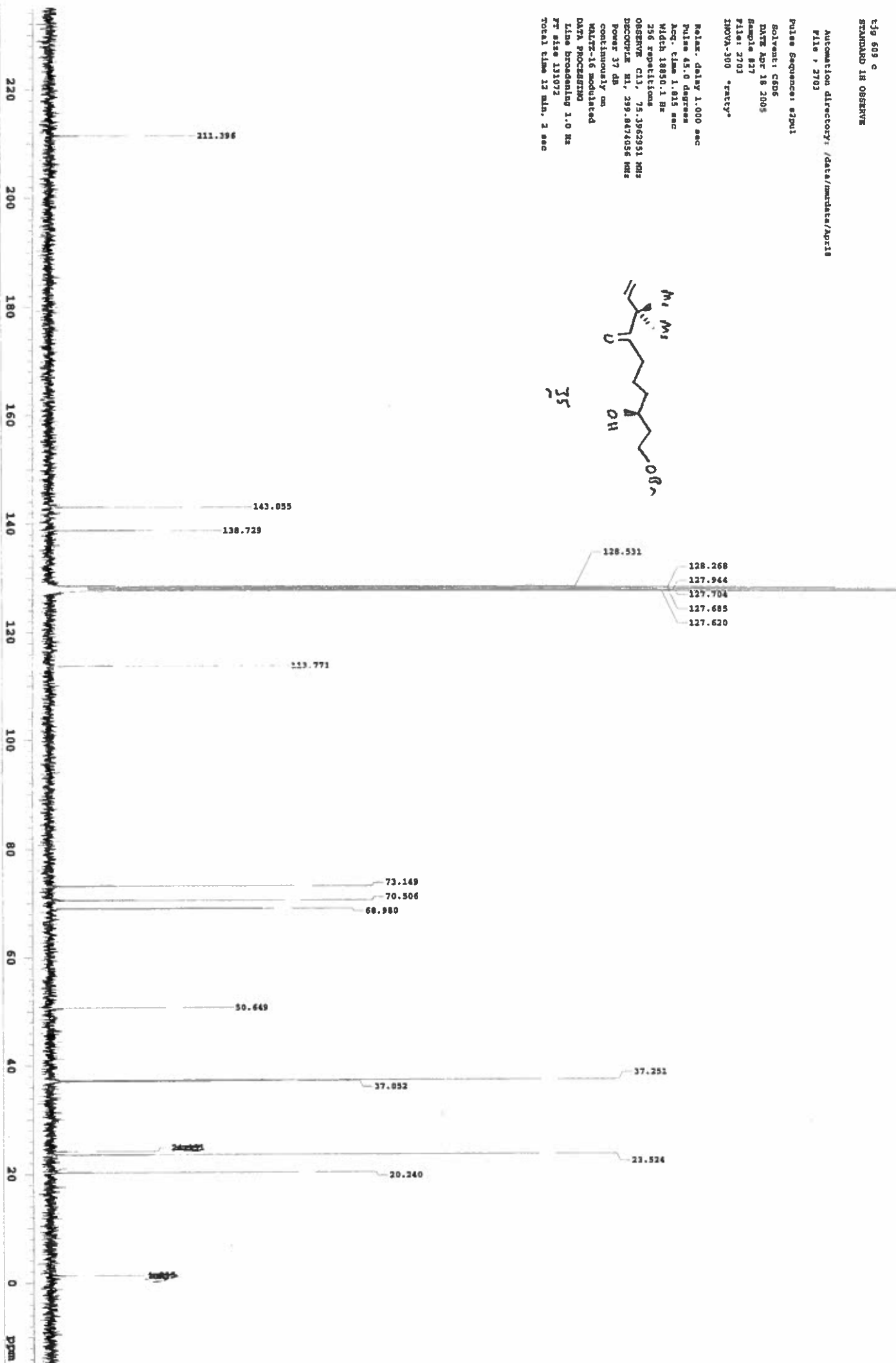
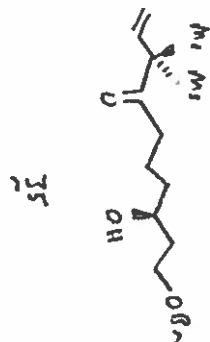
Automation directory: /data/mrdata/Apr18
File : 2702

Pulse Sequence: zgpg30
Solvent: CDCl3
Date: Apr 18 2005
Sample: 827
File: 2702
INOVA-300 "ratty"

Pulse delay: 1.000 sec
Pulse: 45.0 degrees
Acq. time: 3.744 sec
Width: 3061.7 Hz
16 repetitions
OBSERVE: H1, 299.8459063 MHz
DATA PROCESSING
FT size: 32768
Total time: 1 min, 16 sec



Pulse delay 1.000 sec
 Pulse 45.0 degrees
 Acc. time 1.01 sec
 Width 18850.1 Hz
 256 repetitions
 OBSERVE CH1, 25.3663931 MHz
 DECOUPLE H1, 259.8674038 MHz
 Power 37 dB
 continuously on
 MALTZ-76 modulated
 DATA PROCESSING
 Line broadening 1.0 Hz
 JT also 111072
 Total time 17 min. 3 sec



c:\g 609 a
STANDARD IN OBSERVE

Automation directory: /data/metadata/ADP18
File: 2501

Pulse sequence: zgpg30

Solvent: C6D6

DATE Acq: 18 2005

Sample: 825

File: 2501

INSTR: spect

Relax. delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 3.74 sec

Width: 4797.6 Hz

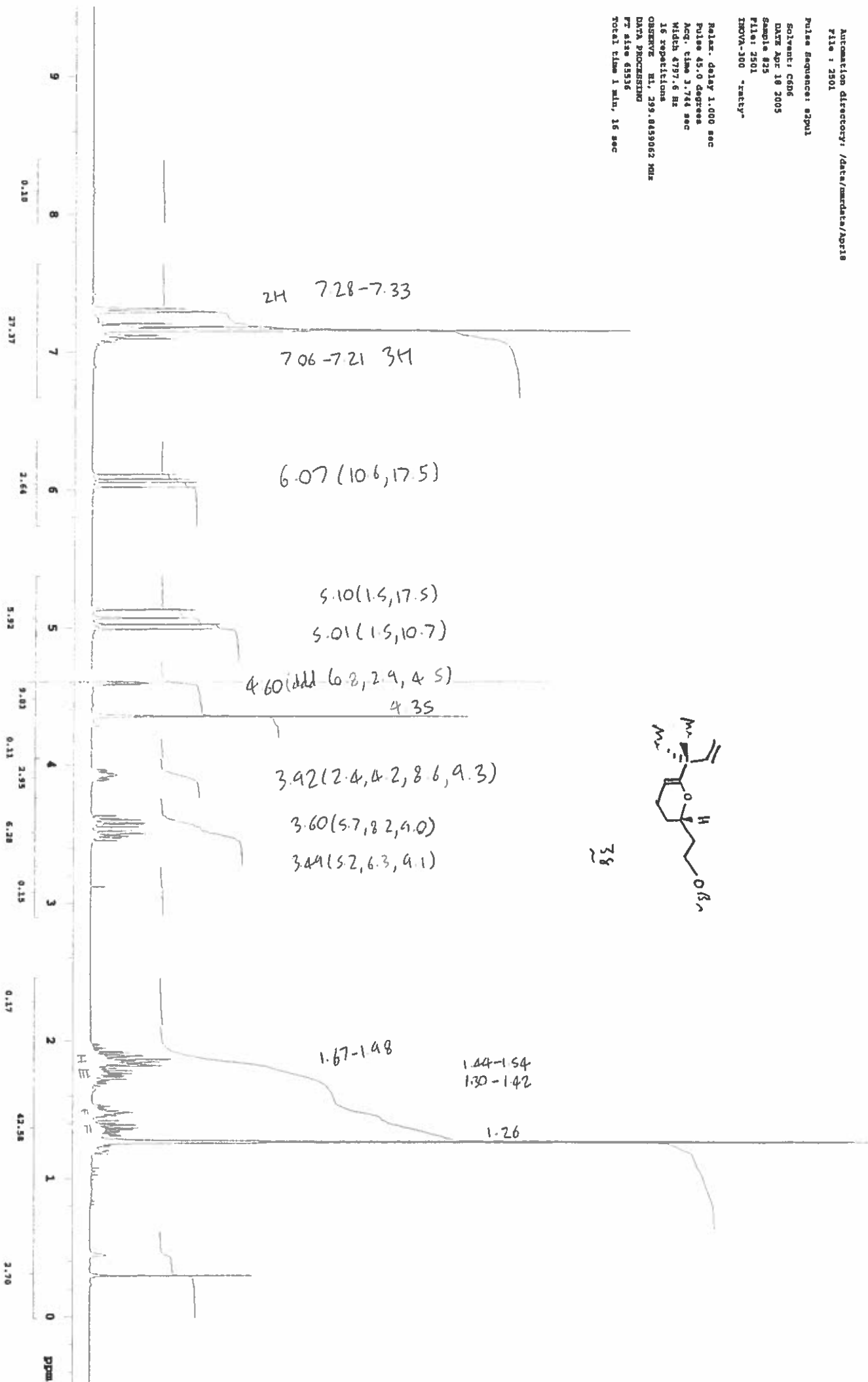
16 repetitions

OBSERVE: H1, 299.8459062 MHz

DATA PROCESSING

FT size: 65536

Total time: 1 min, 15 sec



c:\g_emo1
STANDARD IN OBSERVE

Automation directory: /data/mrdata/jun01
File: 3104

Pulse Sequence: zgpg

Solvent: C6D6

DATE Jun 2 2005

Sample 831

File: 3104

INSTR: 300 "zpg"

Pulse delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.815 sec

Width 18850.1 Hz

256 repetitions

OBSERVE C13, 75.3952951 MHz

DECOUPLE H1, 299.8474056 MHz

Power 37 dB

continuously on

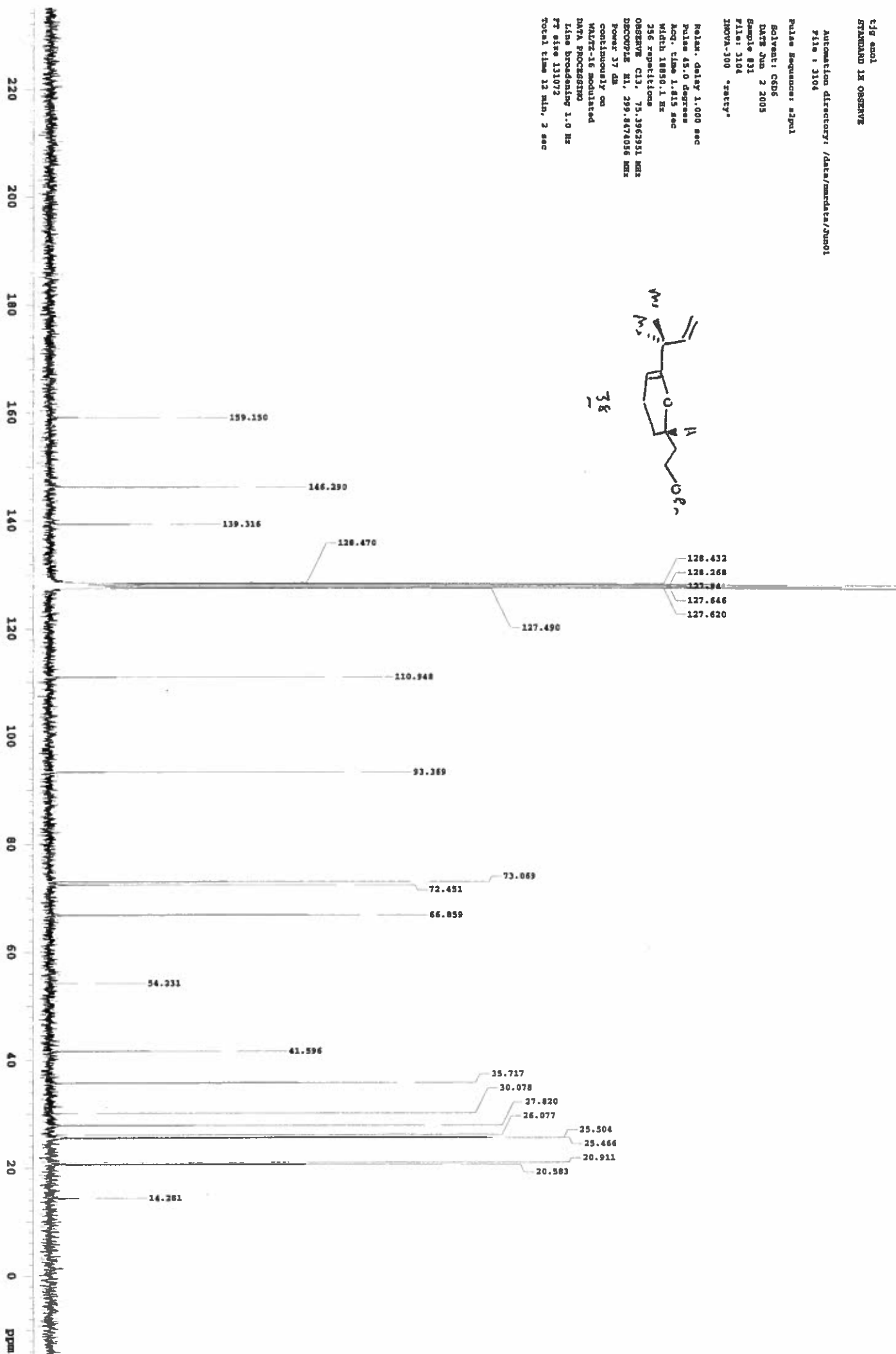
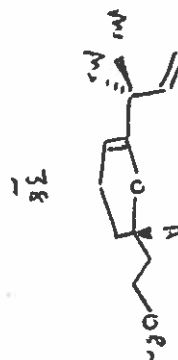
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 22 min, 2 sec



sup2
STANDARD 1E OBSERVE

Automation directory: /data/nowdate/Jul09
File: 0704

Pulse Sequence: zgpg1

Solvent: C6D6

DATE: Jun 10 2005

Sample: 87

File: 0704

NOVA-300 "naty"

Relax. delay 1.000 sec

Pulse 45.0 degree

Acq. time 3.764 sec

Width 4797.6 Hz

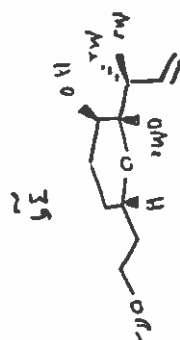
32 repetitions

OBSERVE: H1, 299.8459062 MHz

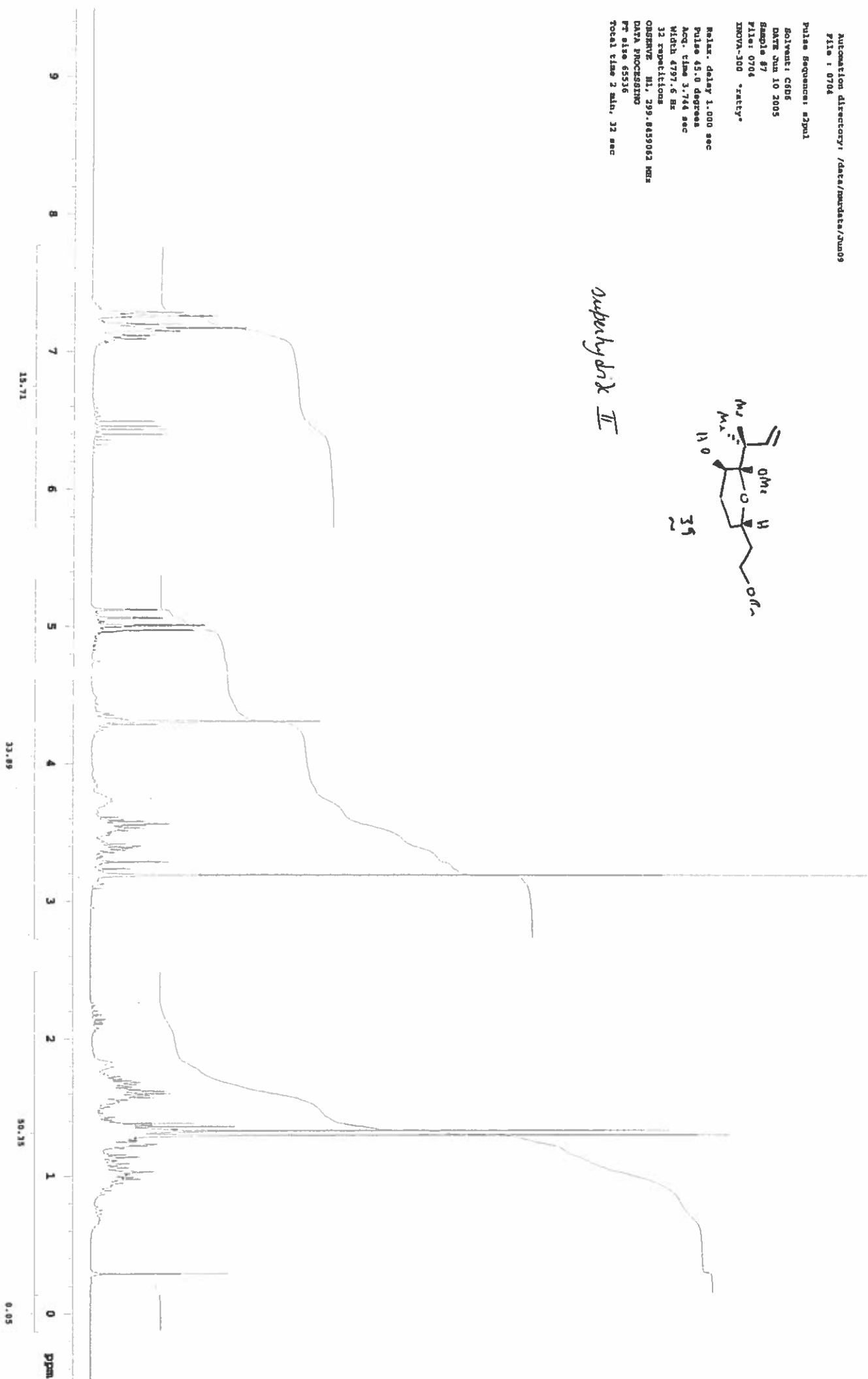
DATA PROCESSING

FF size 65536

Total time 2 min. 32 sec



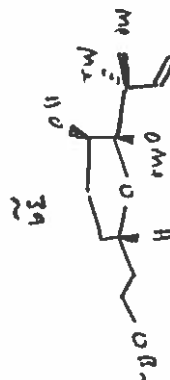
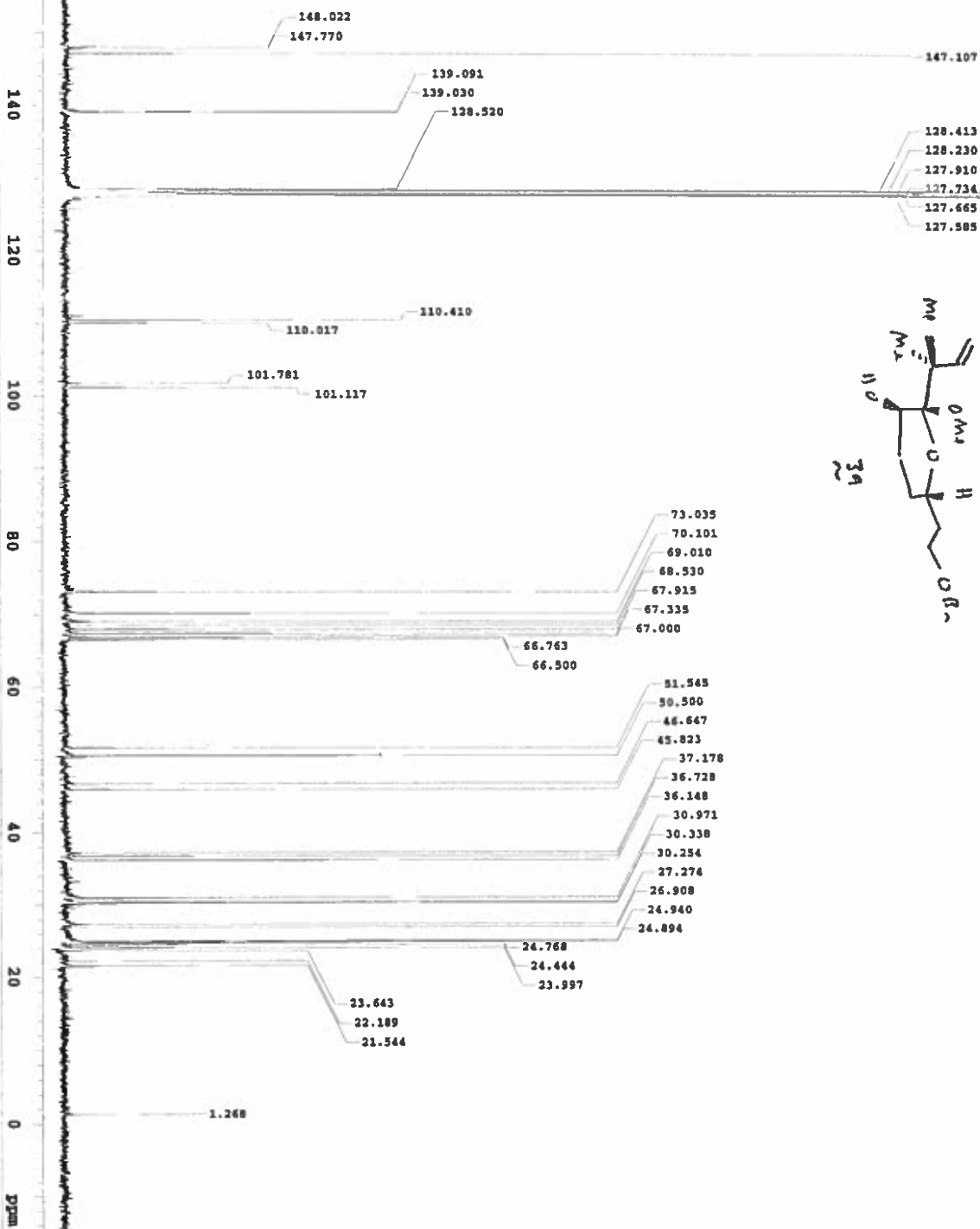
superhydrox II



Automation directory: /data/nmrdata/may19
File: 2103

Pulse sequence: zgpg1
Solvent: CDCl₃
Date: May 20 2005
Sample: 821
File: 2103
INSTR: 300 "patty"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.815 sec
Width 18850.1 Hz
2048 repetitions
OBSERVE CH: 75.3063951 MHz
DECOUPLE H1: 299.8474056 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
F2 size 131072
Total time 1 hr, 36 min, 23 sec



F ket
STANDARD IR OBSERVE

Automation directory: /data/nmrdata/May17
File: 1602

Pulse Sequence: zgpg30

Solvent: CDCl₃

DATE May 18 2005

Sample #16

File: 1602

INSTRUMENT: spect

Pulse delay 1.000 sec

Pulse 45.0 degrees

Acq. time 3.744 sec

Width 4797.6 Hz

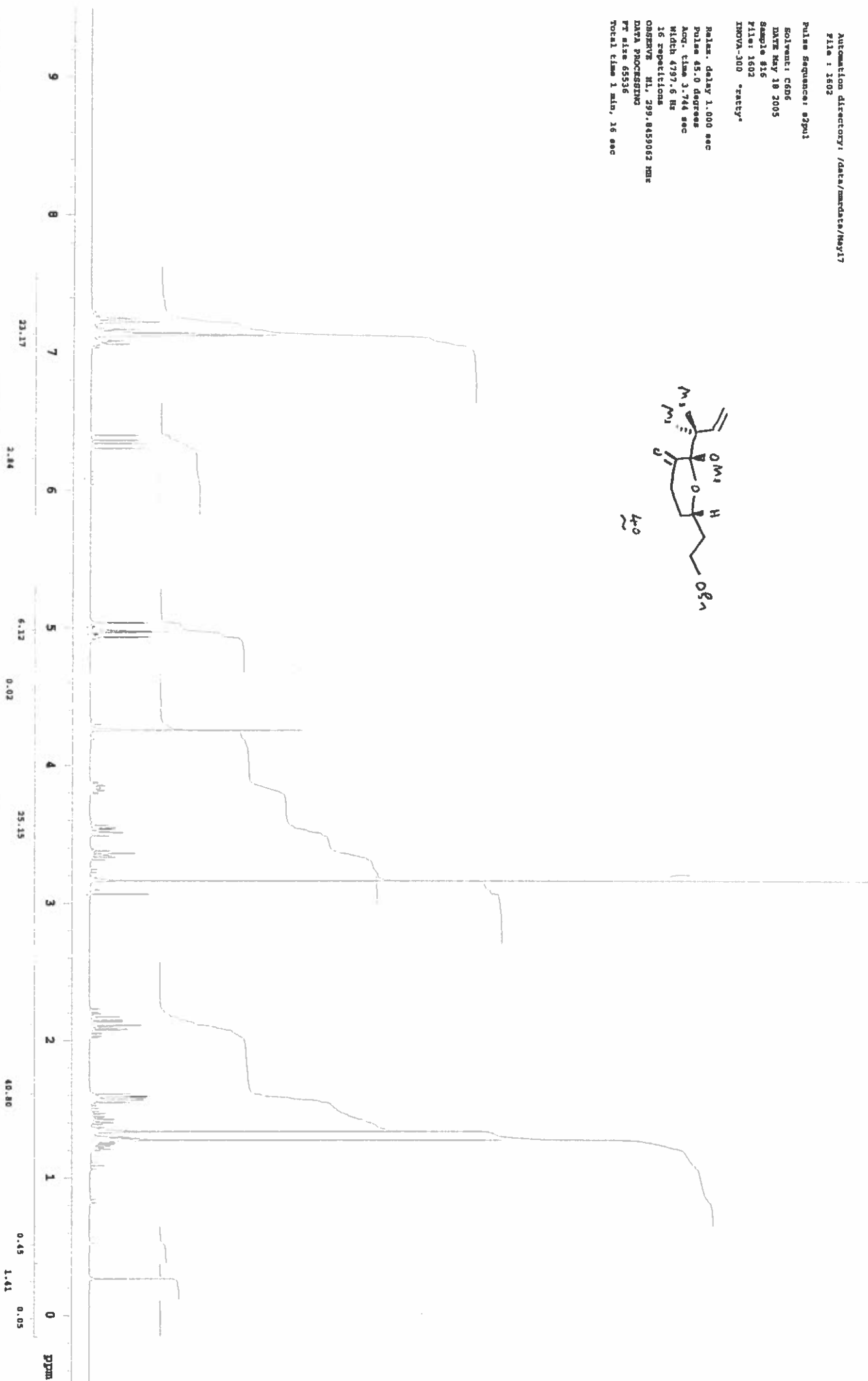
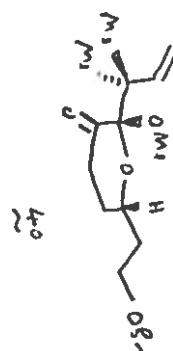
16 repetitions

OBSERVE NL 299.8459062 MHz

DATA PROCESSING

FT size 65536

Total time 1 min, 16 sec

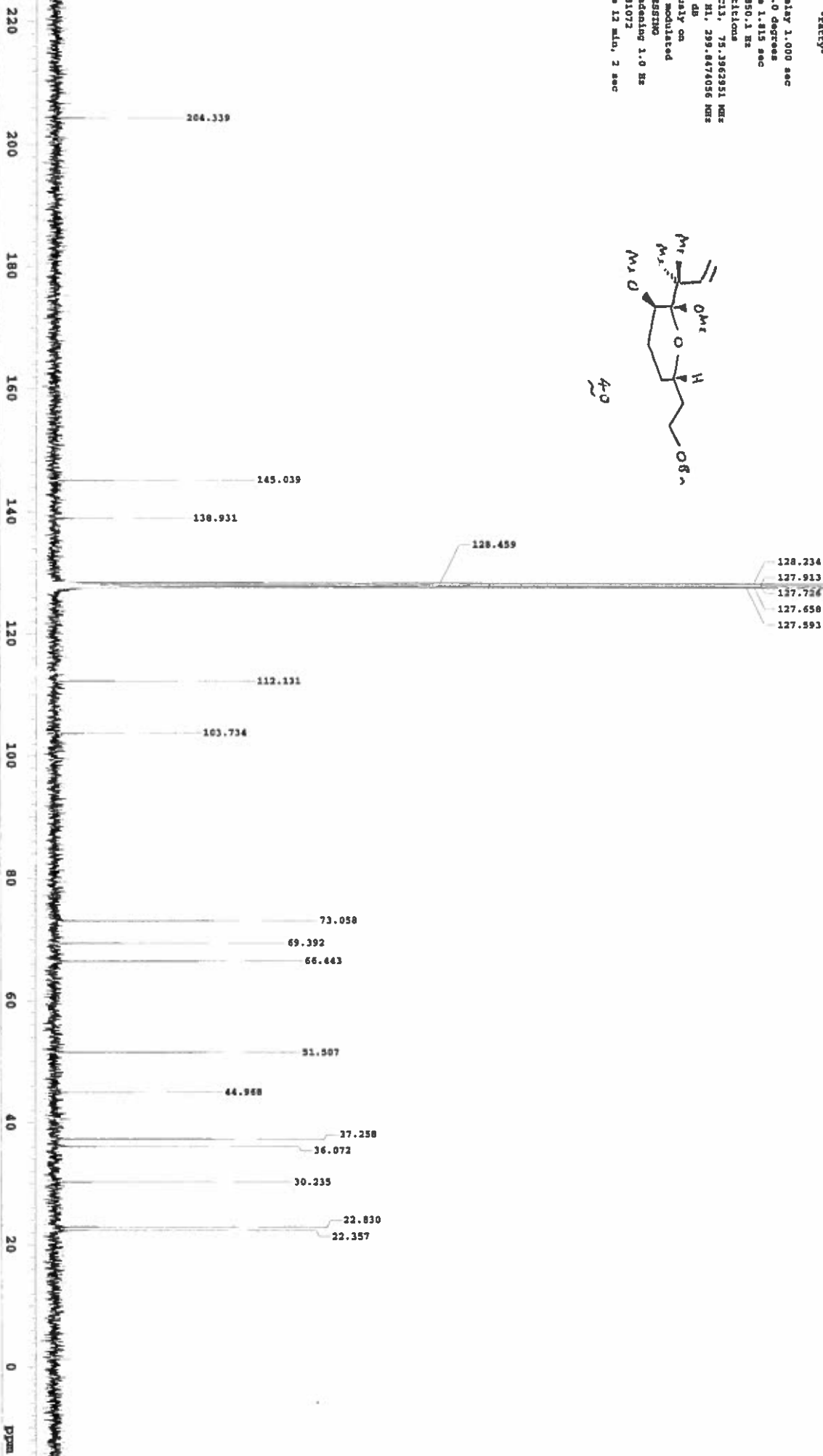
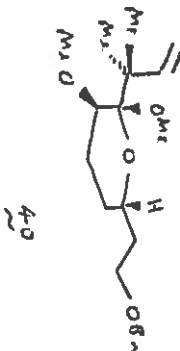


r ket
STANDARD IN OBSERVE

Automation directory: /data/murdata/May17
File: 1603

Pulse Sequence: zgpg30
Solvent: CDCl3
Date: May 18 2005
Sample #: 16
File: 1603
INOVA-300 "ratty"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.815 sec
Width 18850.1 Hz
256 repetitions
OBSERVE CH1, 75.3962951 MHz
DECOUPLE H1, 299.8474056 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 111072
Total time 12 min, 2 sec



methlb
STANDARD 1H OBSERVE

Automation directory: /data/mwdata/June4
File: 2102

Pulse sequence: zgpg30

Solvent: CDCl₃

DATE: Jun 15 2005

Sample #21

File: 2102

INNOVA-300 "Fracty"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 3.764 sec

Width 4797.6 Hz

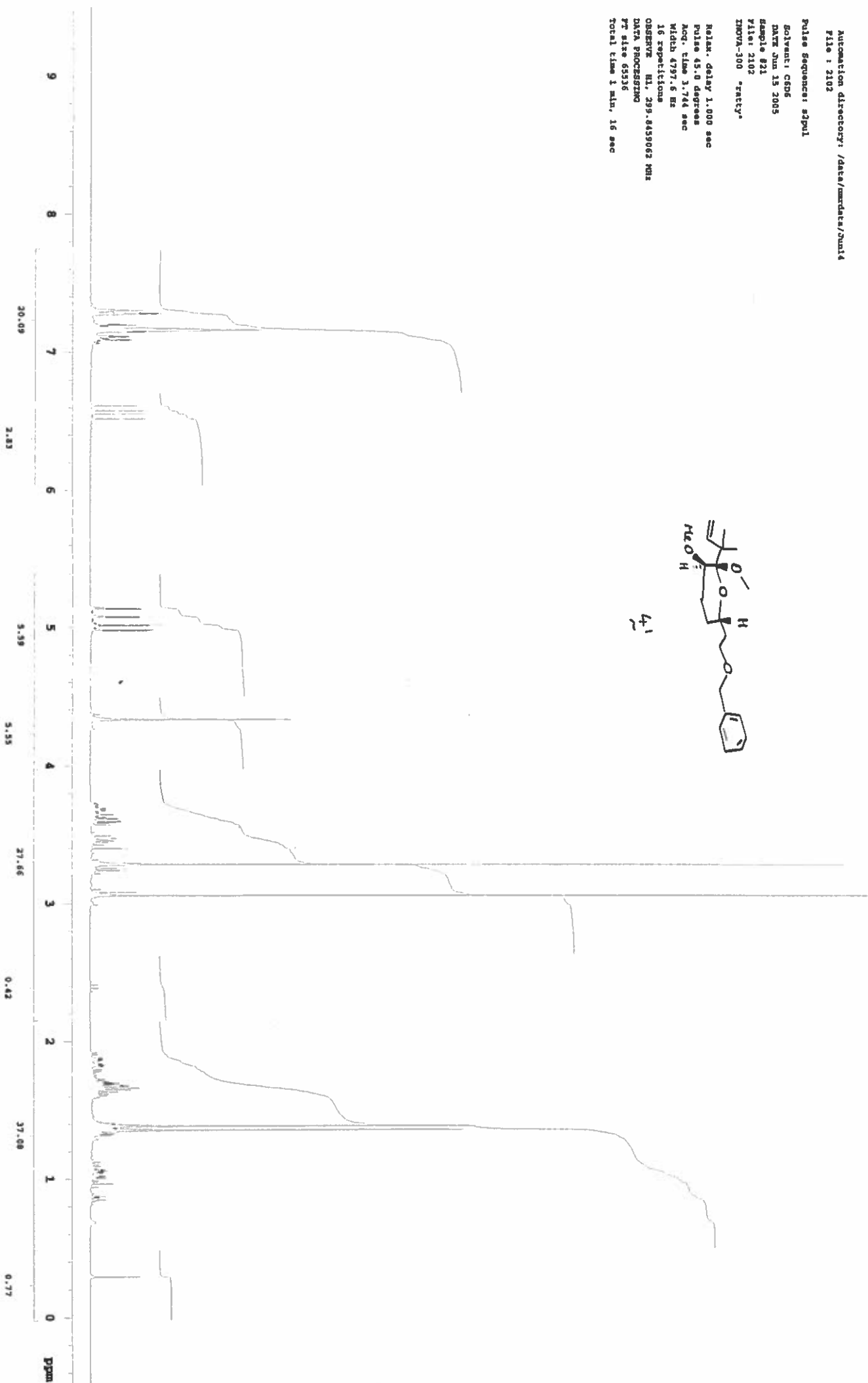
16 repetitions

OBSERVE: H1, 299.8459062 MHz

DATA PROCESSING

PT size 65536

Total time 1 min, 16 sec



Automation directory: /data/nmrdata/0un15
File: 2703

Pulse Sequence: zgpg1

Solvent: CDCl₃

DATE: Jun 16 2005

Sample #27

File: 2703

INOVA-300 "Fatty"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 3.744 sec

Width 2763.1 Hz

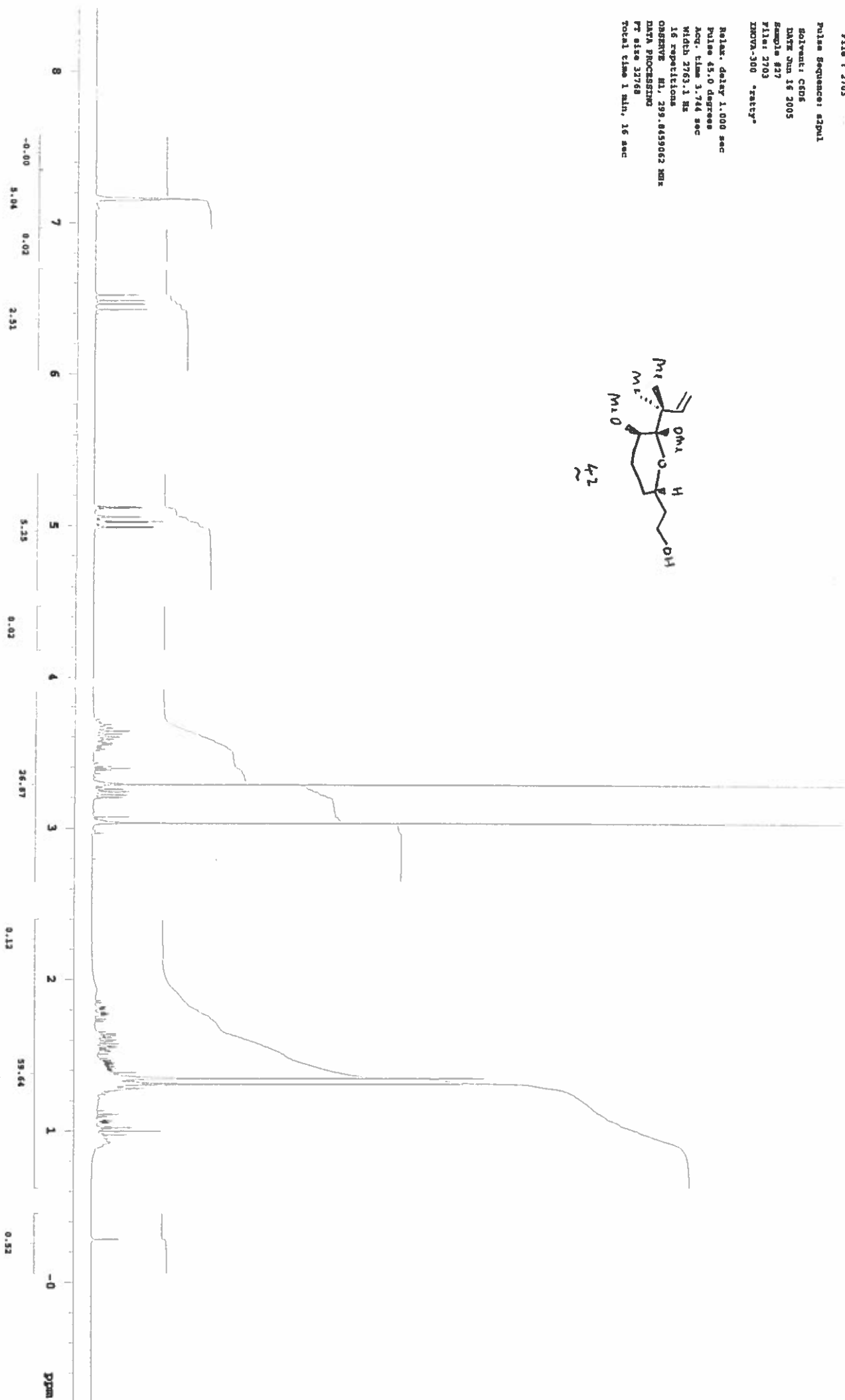
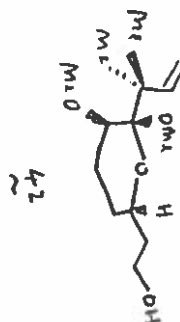
16 repetitions

OBSERVE M1, 299.8659062 MHz

DATA PROCESSING

FT size 32768

Total time 1 min, 16 sec



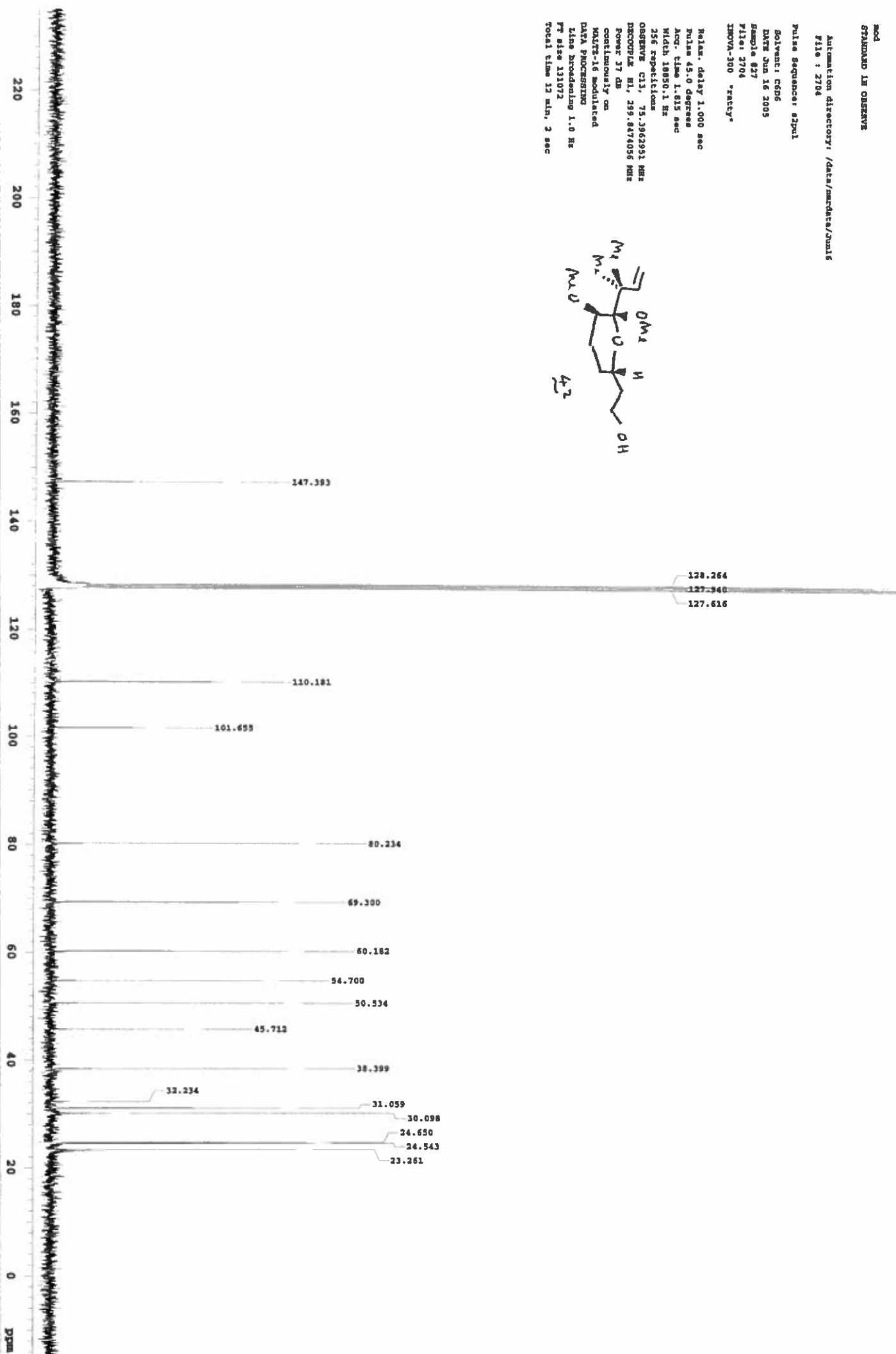
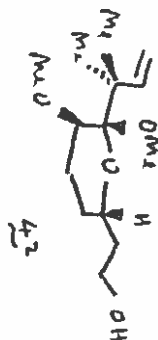
mod
STANDARD 1H OBSERVE

Automation directory: /data/rmrdata/jun16
File: 2704

Pulse sequence: zgpg30

Solvent: CDCl3
Date: Jun 16 2005
Sample: 827
File: 2704
INSTR: 300 "nucly"

Relax. delay: 1.000 sec
Pulse: 45.0 degrees
Acq. time: 1.815 sec
Width: 18850.1 Hz
356 repetitions
OBSERVE: c13, 75.362931 MHz
DECOUPLE: h1, 299.8474056 MHz
Power: 37 dB
Conditionally on
MAGT-16 modulated
DATA PROCESSING
Line broadening: 1.0 Hz
FT size: 131072
Total time: 12 min, 2 sec

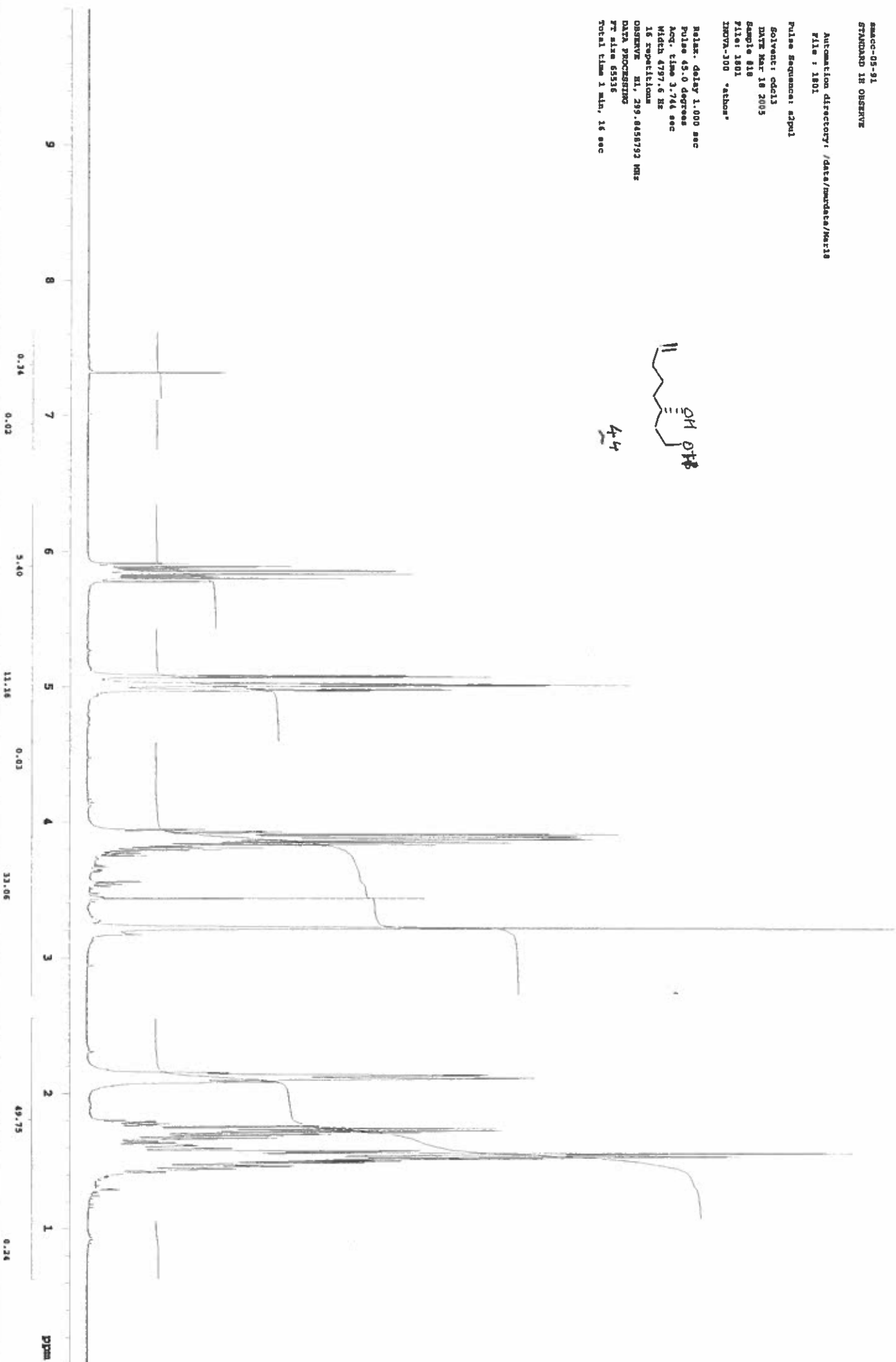
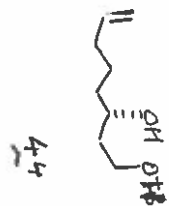


msmc-05-91
STANDARD IR OBSERVE

Automation directory: /data/msdata/Ms18
File: 1801

Pulse Sequence: sfpul
Solvent: cdcl3
Date Mar 18 2003
Sample 818
File: 1801
INOVA-300 "ethos"

Pulse: delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.744 sec
Width 4797.6 Hz
16 repetitions
OBSERVE M1, 289.8458793 MHz
DATA PROCESSING
FT size 65336
Total time 1 min, 16 sec



Automation directory: /data/mwdata/Mar18
File: 1802

Pulse sequence: zgpg1

Solvent: cdcl3

Date Mar 18 2005

Sample #18

File: 1802

INOVA-300 "aloha"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.815 sec

Width 18850.1 Hz

256 repetitions

OBSERVE c13, 75.362863 MHz

DECUPLE H1, 299.8473786 MHz

Power 37 dB

continuously on

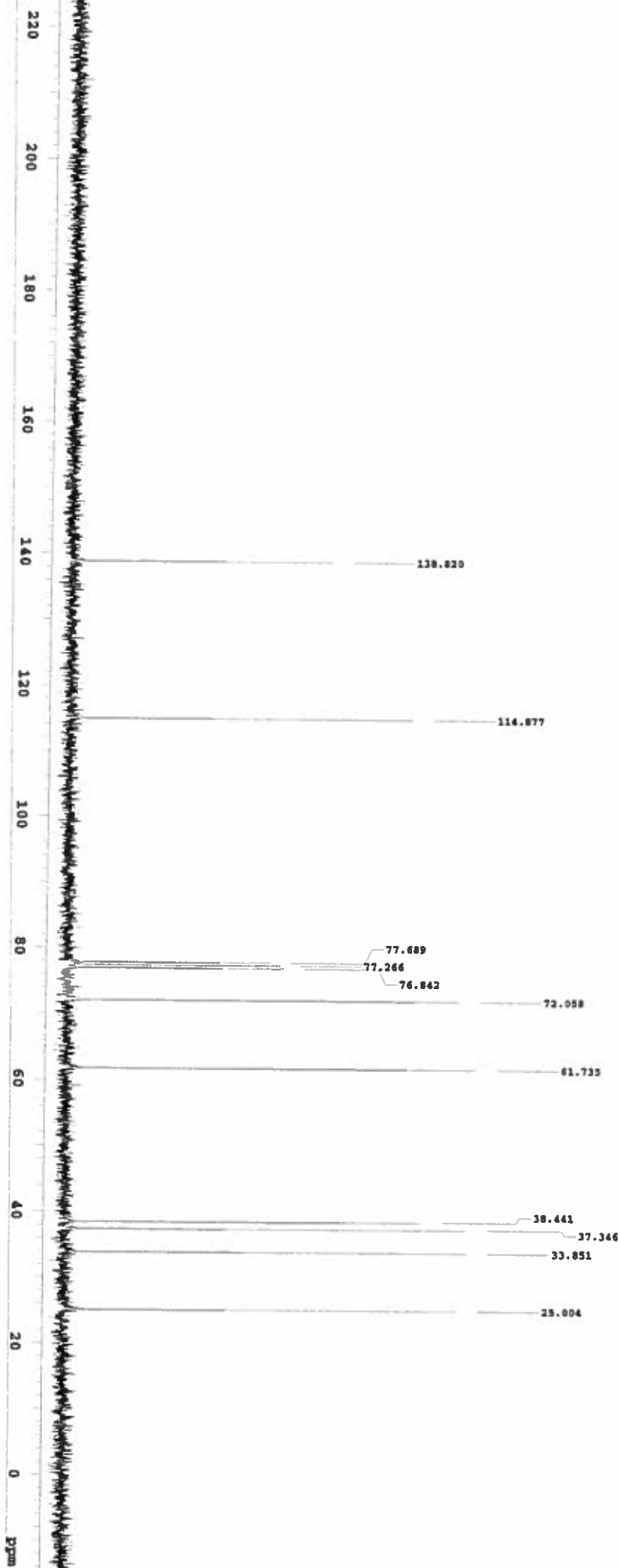
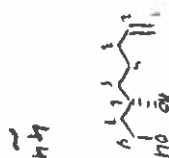
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 12 min, 2 sec



Automation directory: /data/nydata/Mar11
Y110 : 2001

Pulse Sequence: s2pul

Solvent: cdcl_3

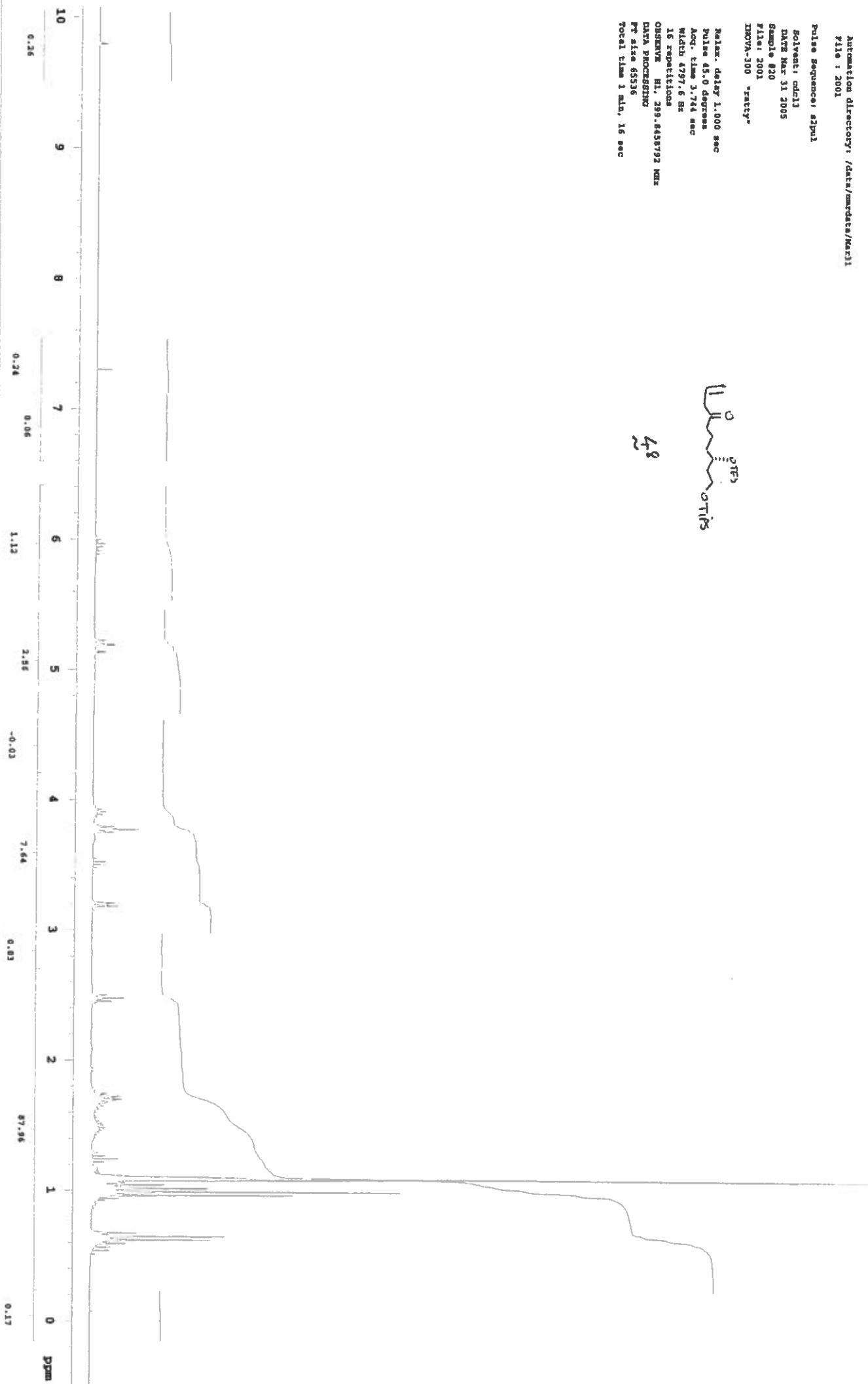
Sample #20

ИДЖА-300 "Fatty"

Polar. delay 1.000 sec
 Pulse 45.0 degrees
 Acq. time 3.764 sec
 Width 4797.6 Hz
 16 repetitions
 OBSERVE H1. 299.8458792 MHz
 DATA PROCESSING
 Pt size 65536
 Total time 1 min, 16 sec



48



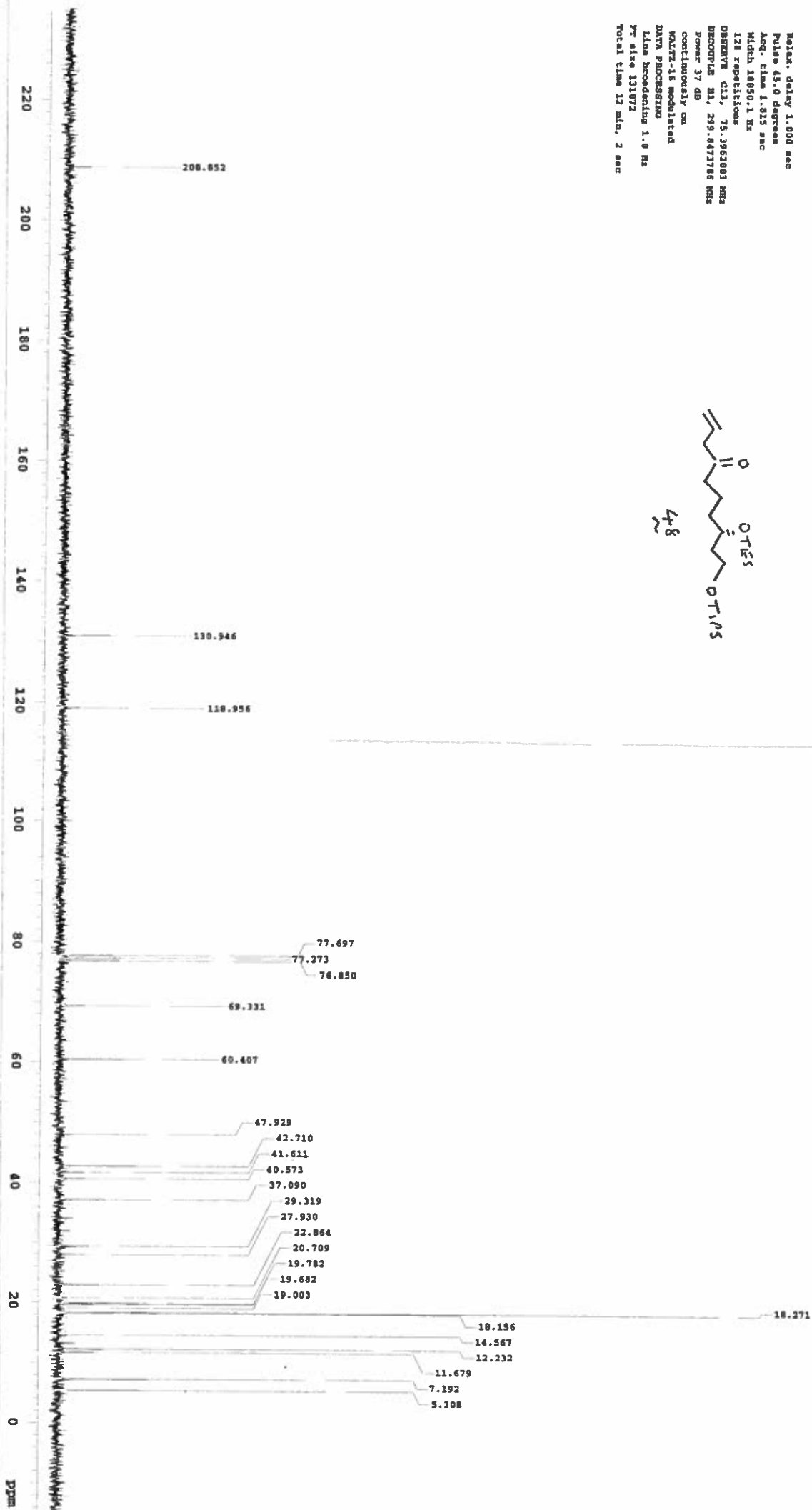
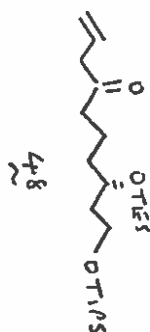
Automation directory: /data/martdata/Jul125
File : 1402

```
Pulse Sequence: szpul
Solvent: cdcl3
DATE Jul 25 2005
Sample #14
File: 1402
INVOA-300  "athos"
```

```

Pulse delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.82 sec
Width 10050.1 Hz
128 repetitions
OBSERVE C13, 75.3062003 MHz
DECOUPLE H1, 259.8473786 MHz
Power 37 dB
continguously on
MAGNET-15 modulated
DATA PROCESSING
k1m bandwidth 1.0 Hz
yr also 131072
Total time 12 min, 2 sec

```



Automation directory: /data/umdata/Apr05
File: 2401

Pulse sequence: zgpg30

Solvent: CDCl₃

DATE: Apr 5 2005

Sample #24

File: 2401

INSTRUMENT: spect

Pulse delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 3.744 sec

Width: 4797.6 Hz

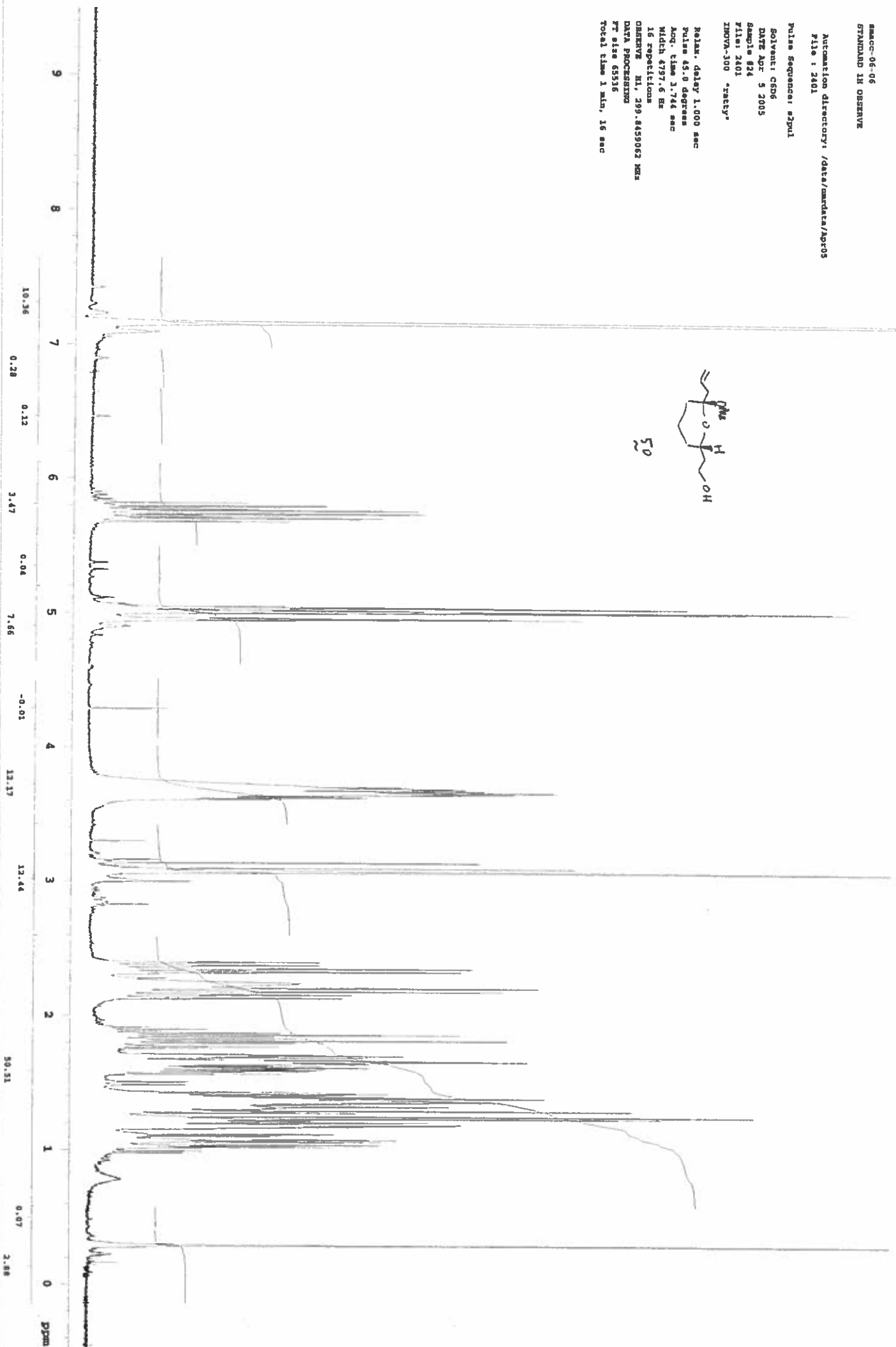
16 repetitions

NAME: 06-06

DATA PROCESSING

FT size: 65536

Total time: 1 min, 16 sec



Automation directory: /data/mwdata/NO25
File: 2402

Pulse Sequence: zgpg30

Solvent: CDCl₃

DATE Acq: 5 2005

Sample: 824

P1: 2402

INSTR: spect

Relax. delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 1.815 sec

Width: 18850.1 Hz

256 repetitions

Observer: C.L.

PROBHD: 5mm 1H/13C QNP 100

Power: 37 dB

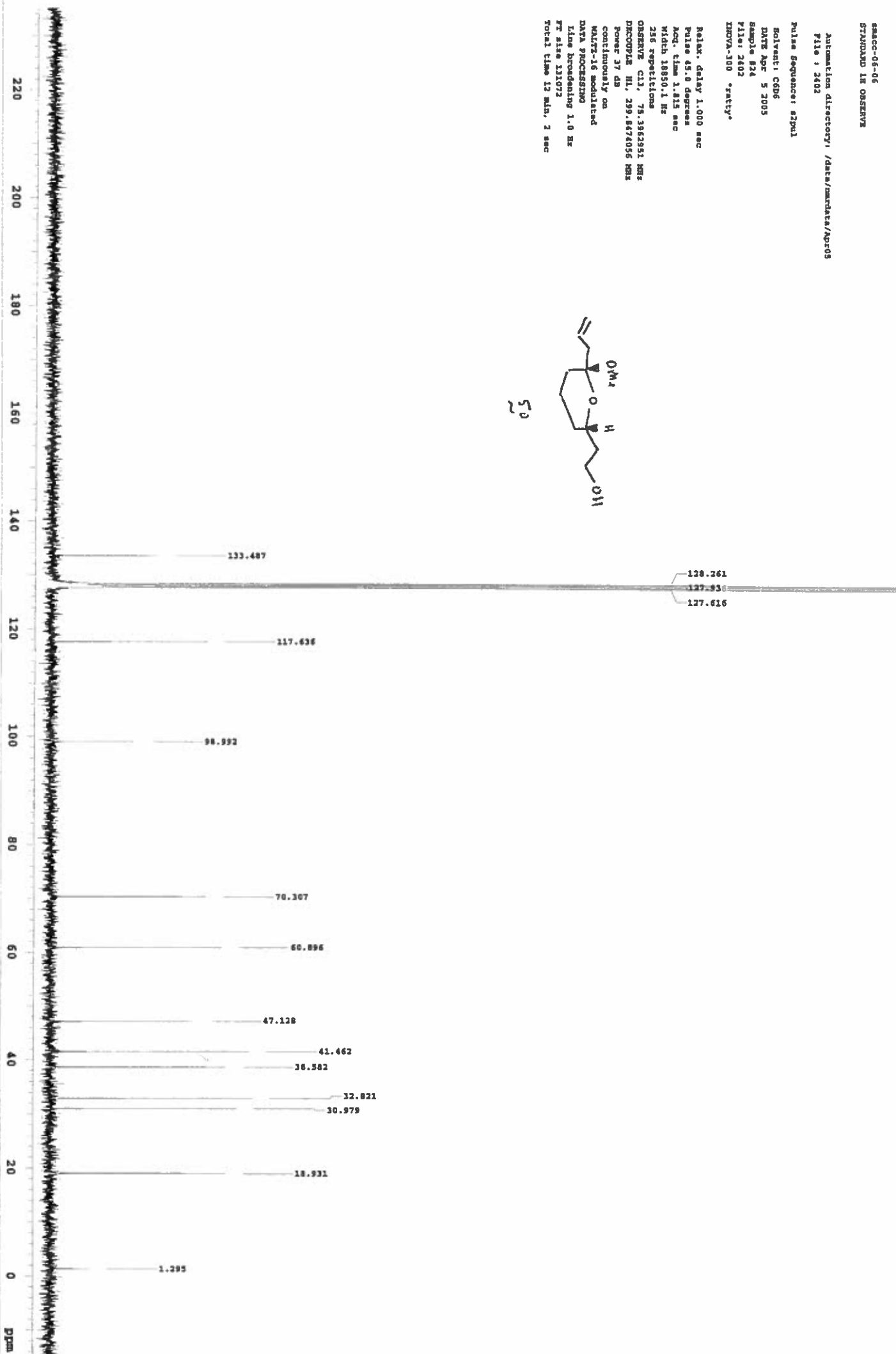
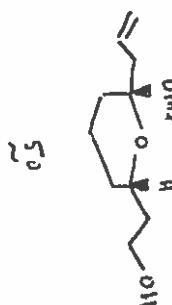
continuously on

DATA PROCESSING

Line broadening: 1.0 Hz

FT size: 131072

Total time: 12 min, 2 sec



model: IX
STANDARD 1H OBSERVE

Automation directory: /data/nowdata/0118
File: 0901

Pulse sequence: zgpg30

Solvent: C6D6

DATE: Jul 18 2005

Sample: 89

File: 0901

INNOVA-300 "athos"

Relax. delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 3.744 sec

Width: 4797.6 Hz

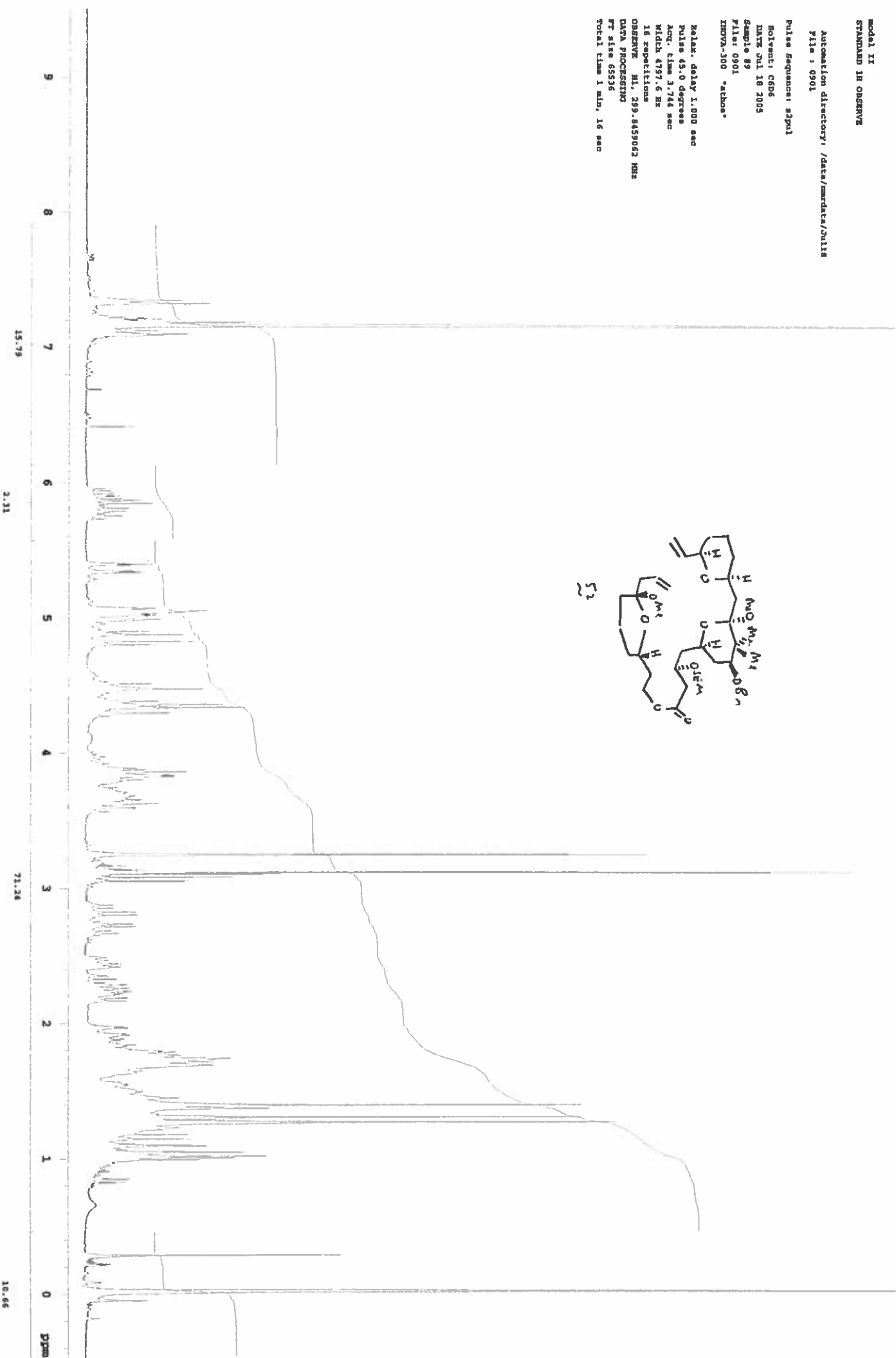
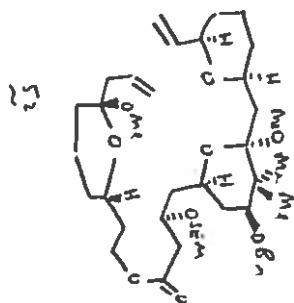
16 repetitions

OBSERVE: H1, 299.8459062 MHz

DATA PROCESSING

FT size: 65536

Total time: 1 min, 16 sec



PRECURSOR
STANDARD IN OBSERVE

Automation directory: /data/standard/Aug04
File: 2902

Pulse Sequence: zgpg30

Solvent: CDCl₃

DATE Aug 4 2005

Sample #29

File: 2902

INSTRUMENT: spect

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.815 sec

Width 18850.1 Hz

256 repetitions

OBSERVE C13, 75.3963951 MHz

DECOUPLE H1, 299.6474056 MHz

Power 37 dB

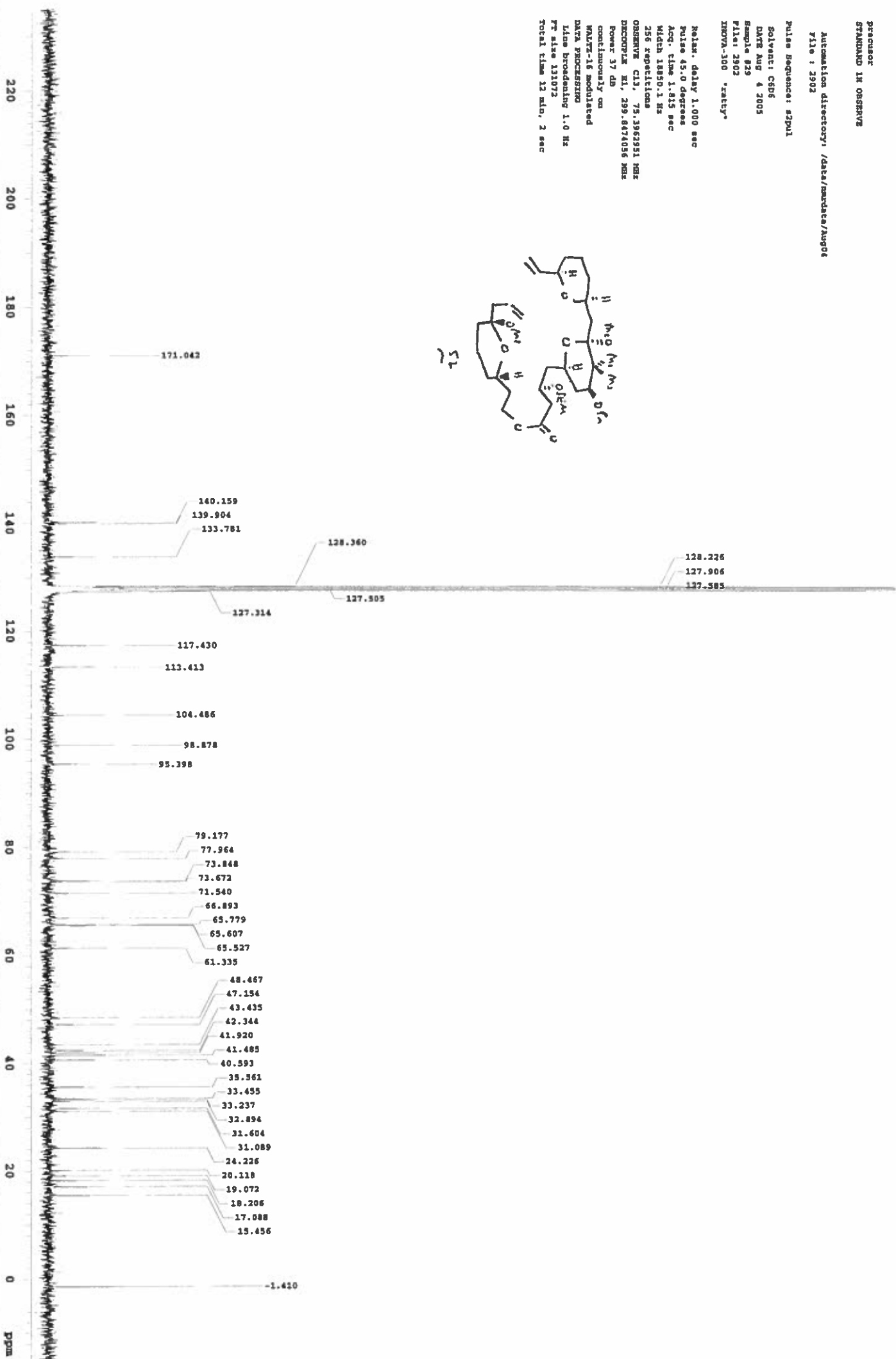
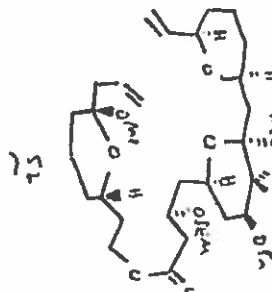
continuously on

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 13 min, 2 sec



metachase b fi
STANDARD IN OBSERVE

Automation directory: /data/metadata/00119
File : 2901

Pulse sequence: zgpg30

Solvent: CDCl₃

DATE: Jul 19 2005

Sample #29

File: 2901

INOVA-300 "cdcl₃"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 3.744 sec

Width 4797.6 Hz

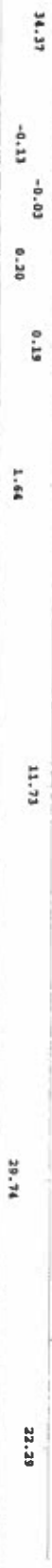
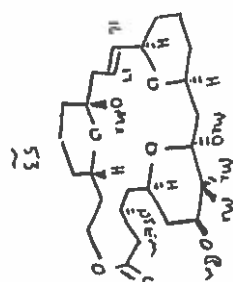
128 repetitions

OBSERVE H1, 299.8459062 MHz

DATA PROCESSING

FT size 65536

Total time 10 min, 8 sec

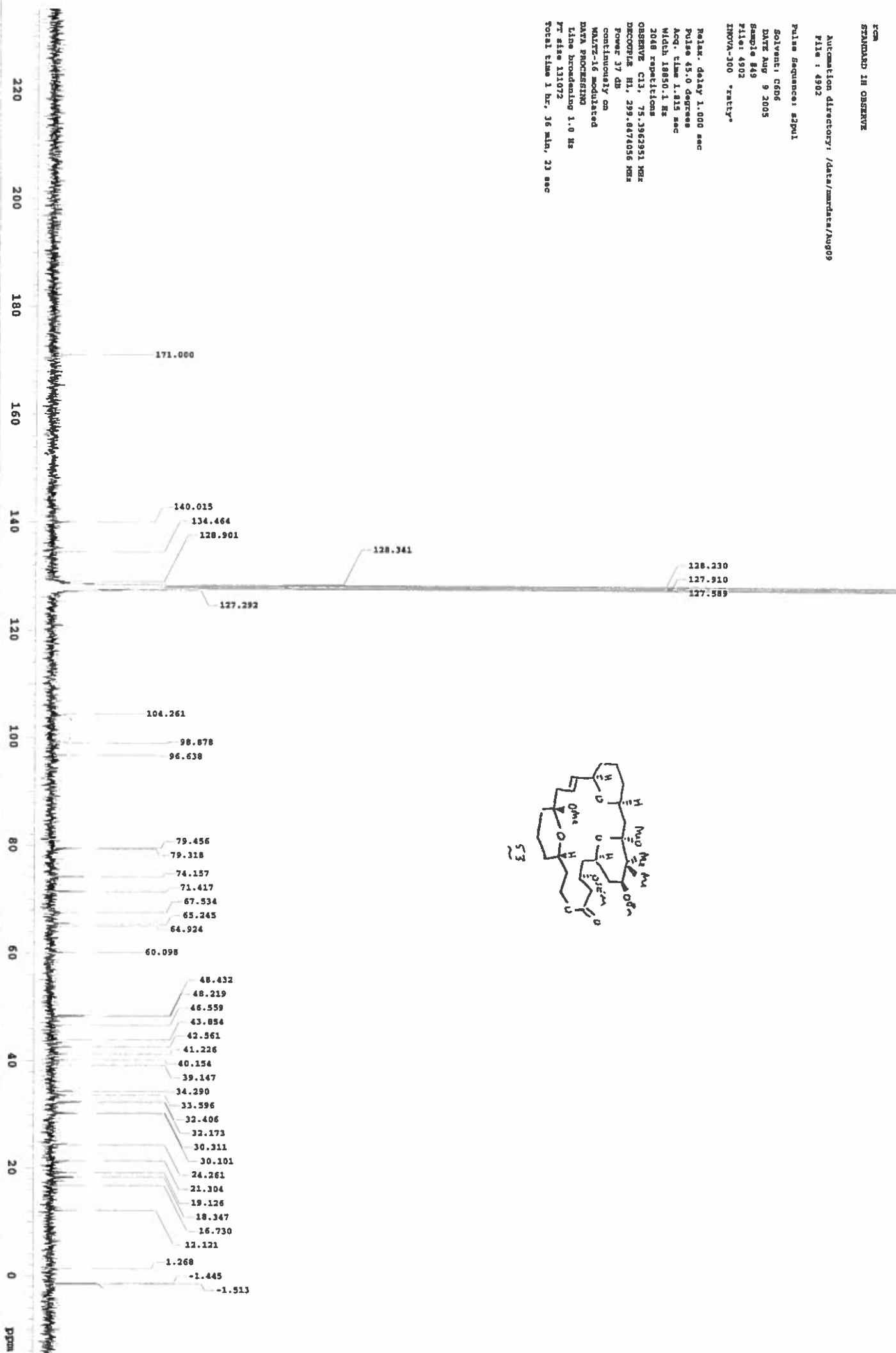


Automation directory: /data/mwdata/AUG09
File: 4902

Pulse Sequence: szpul

Solvent: C6D6
DATE Aug 9 2005
Sample 849
File: 4902
INVOA-100 "ratty"

Pulse delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.815 sec
Width 18850.1 Hz
2048 repetitions
OBSERVE C13, 75.3962951 MHz
DECOUPLE H1, 299.8474056 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 131072
Total time 1 hr, 36 min, 33 sec



Automation directory: /data/nmrdata/2111
File: 2202

Pulse sequence: zgpg30
Solvent: CDCl3
Date: Jul 11 2005
Sample: 822
File: 2202
INOVA-300 "exity"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.615 sec
Width 18850.1 Hz
256 repetitions
OBSERVE CH3, 75.362951 MHz
DECOUPLE H1, 299.6174056 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
line broadening 1.0 Hz
PT aise 131072
Total time 13 min, 2 sec

