

**Rapid Construction of the Propellane Core of Acutumine via a Photochemical [2+2]
Cycloaddition Reaction**

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Supporting Information 2 (Spectral Data):

RN-V-148

flashed

Sample Name:

RN-V-148

Data Collected on:

indy.caltech.edu-inova500

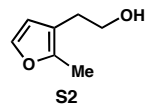
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-148

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Nov 1 2011

Sample #41, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

4 repetitions

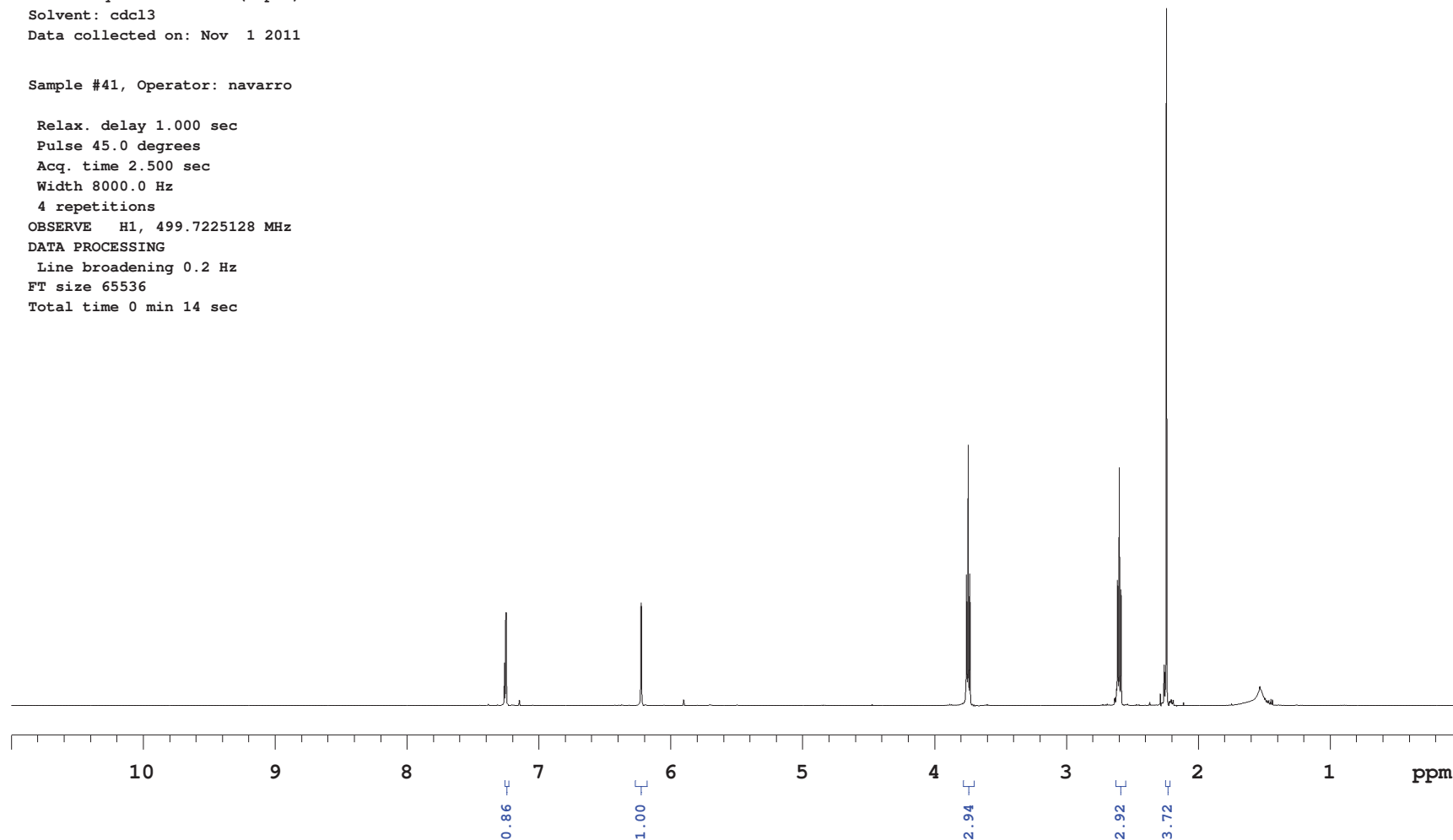
OBSERVE H1, 499.7225128 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 14 sec



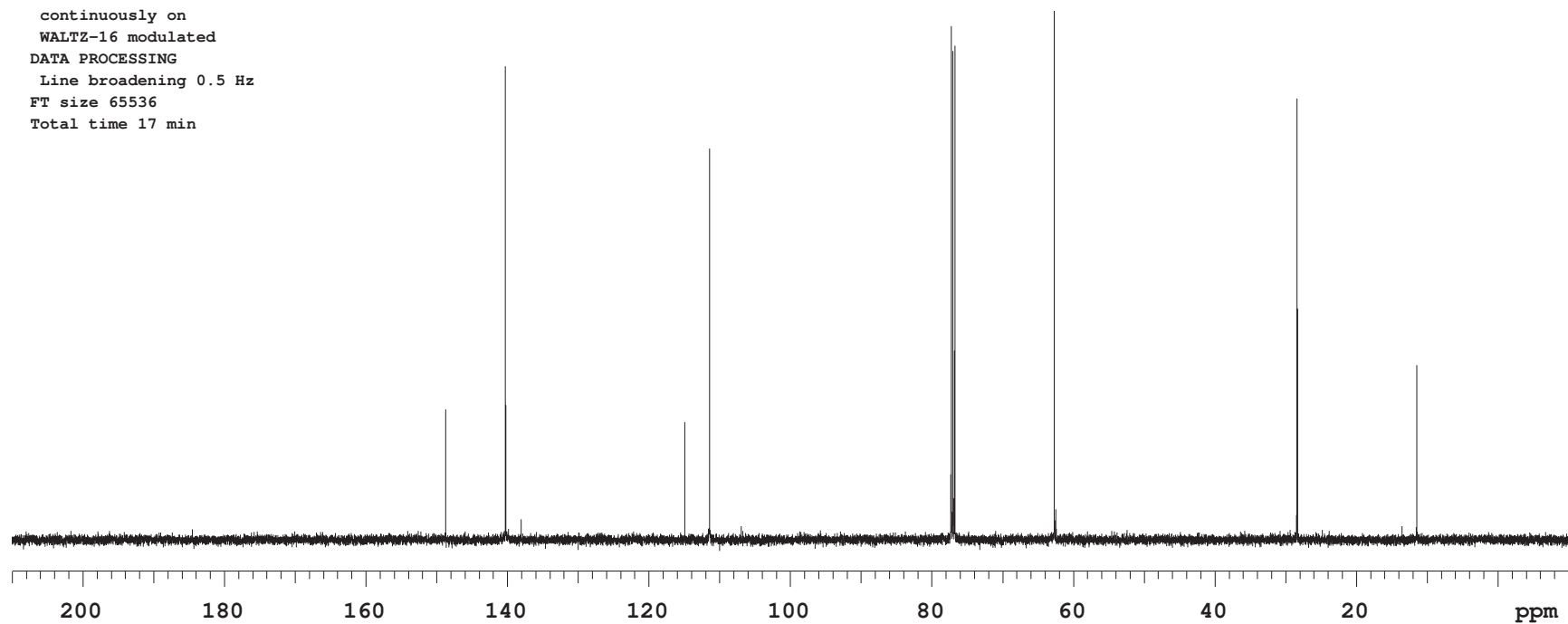
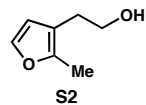
RN-V-148
flashed

Sample Name:
RN-V-148
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-V-148
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 1 2011

Sample #41, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
512 repetitions
OBSERVE C13, 125.6553281 MHz
DECOUPLE H1, 499.7250019 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 17 min



RN-VI-55
flashed

Sample Name:

RN-VI-55

Data Collected on:

indy.caltech.edu-inova500

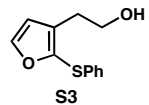
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-55

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: May 6 2012

Sample #41, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

8 repetitions

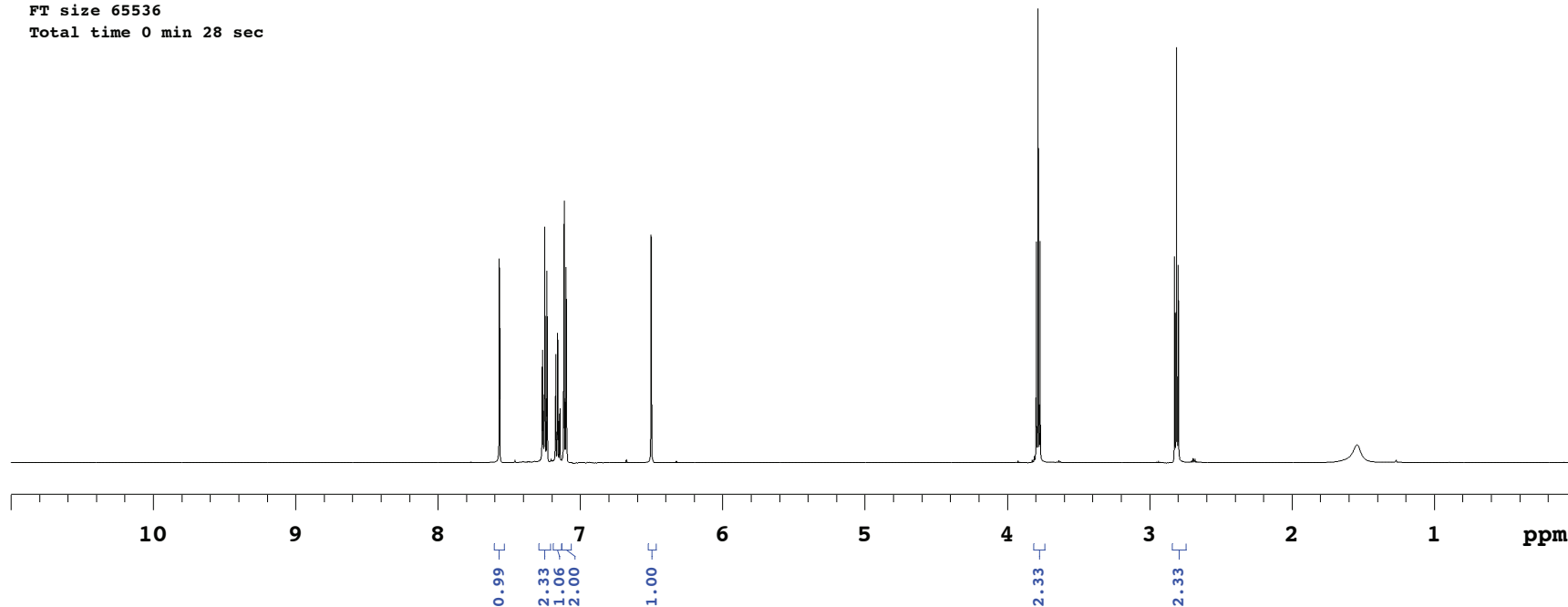
OBSERVE H1, 499.7127369 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 28 sec



RN-VI-55
flashed

Sample Name:

RN-VI-55

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-55

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: May 6 2012

Sample #41, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

2000 repetitions

OBSERVE C13, 125.6528748 MHz

DECOUPLE H1, 499.7152303 MHz

Power 39 dB

continuously on

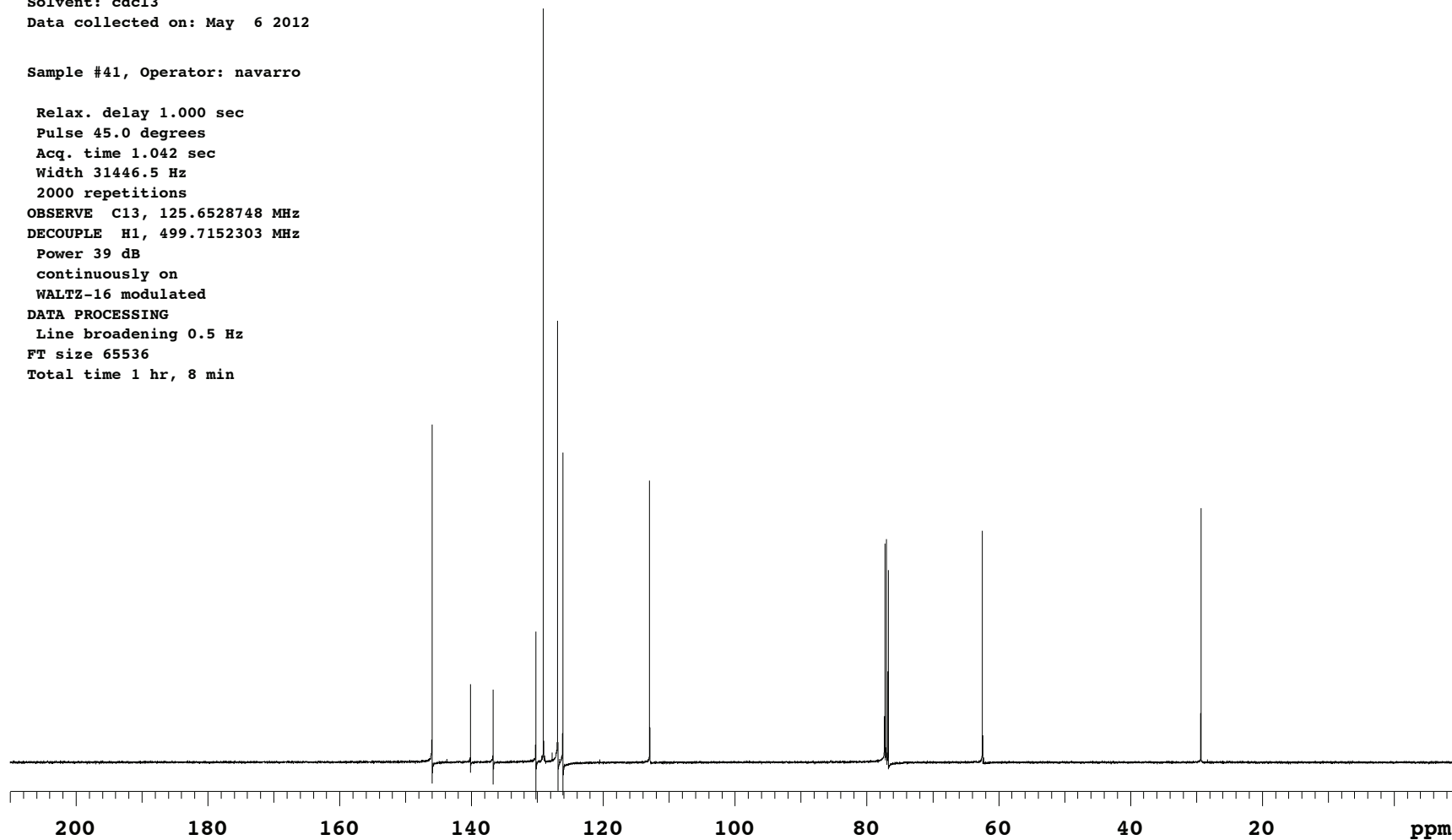
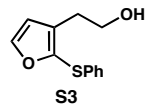
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 1 hr, 8 min



RN-VI-60
flashed

Sample Name:

RN-VI-60

Data Collected on:

indy.caltech.edu-inova500

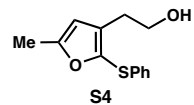
Archive directory:

/home/navarro/vnmrSYS/data

Sample directory:

RN-VI-60

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: May 11 2012

Sample #46, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

8 repetitions

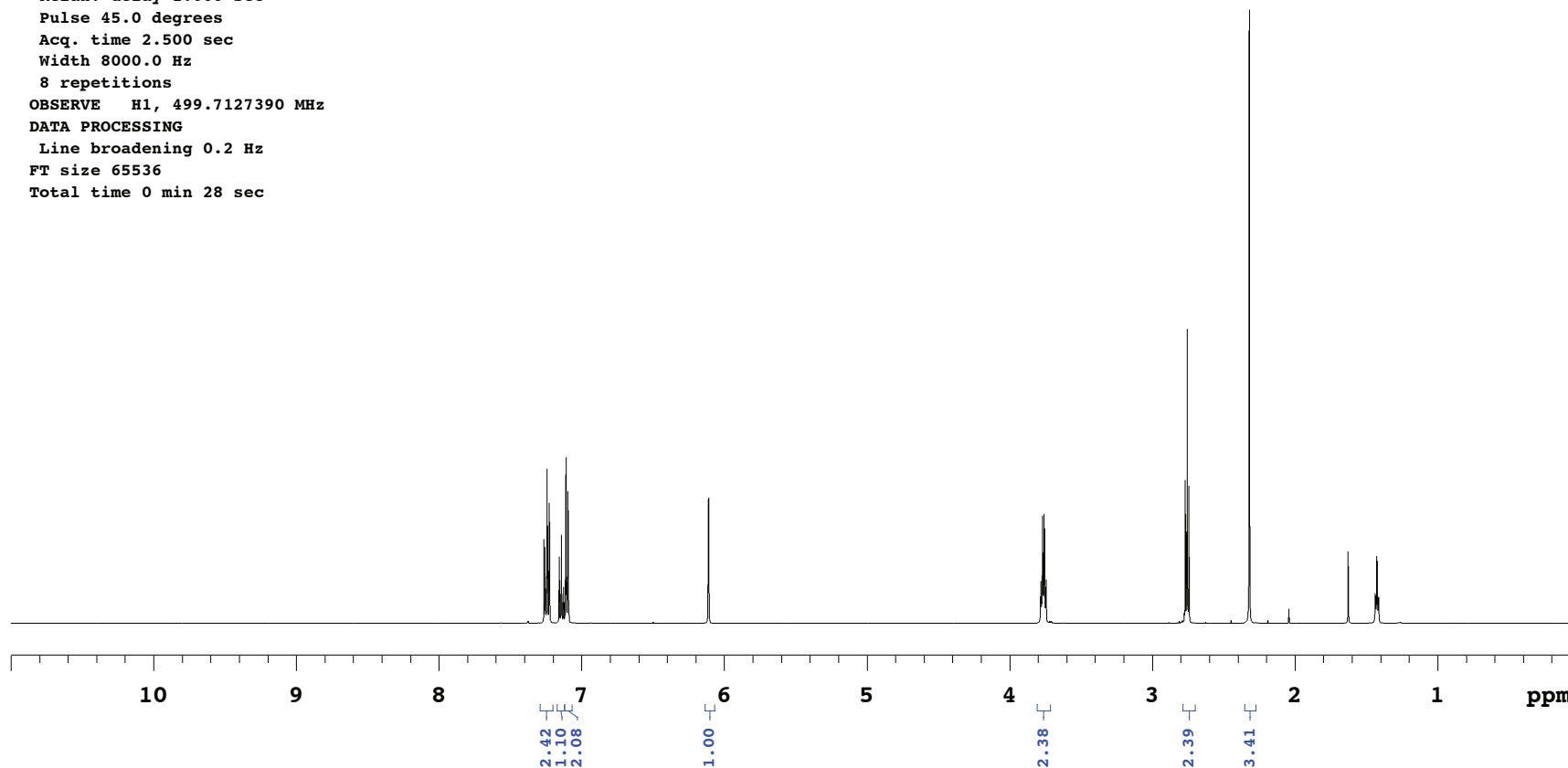
OBSERVE H1, 499.7127390 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 28 sec



RN-VI-60
flashed

Sample Name:

RN-VI-60

Data Collected on:

indy.caltech.edu-inova500

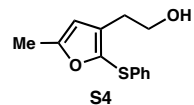
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-60

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: May 11 2012

Sample #46, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

800 repetitions

OBSERVE C13, 125.6528729 MHz

DECOUPLE H1, 499.7152303 MHz

Power 39 dB

continuously on

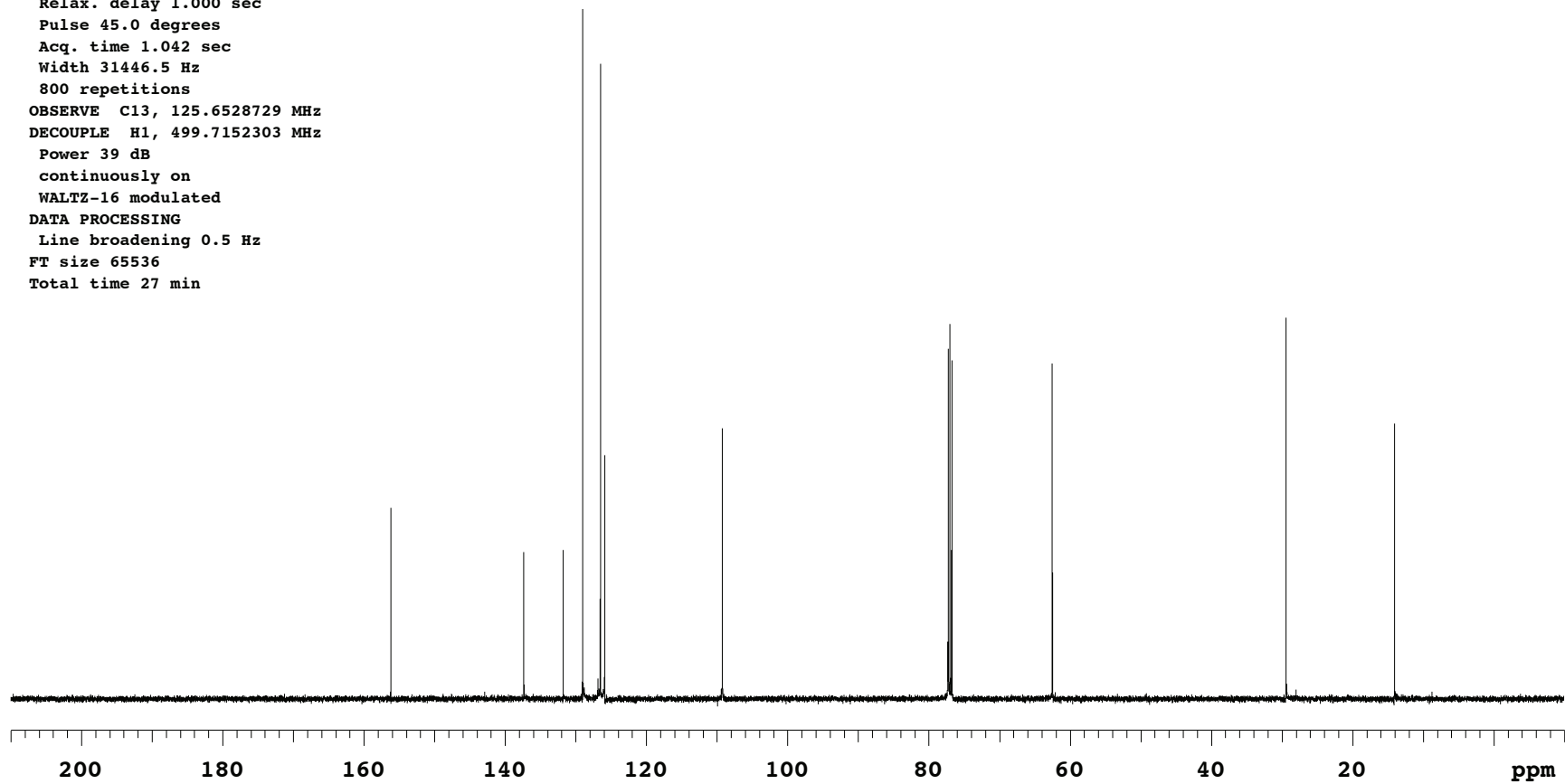
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 27 min



RN-VI-61
flashed

Sample Name:

RN-VI-61

Data Collected on:

indy.caltech.edu-inova500

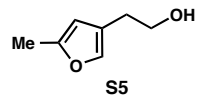
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-61

FidFile: PROTON02



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: May 17 2012

Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

8 repetitions

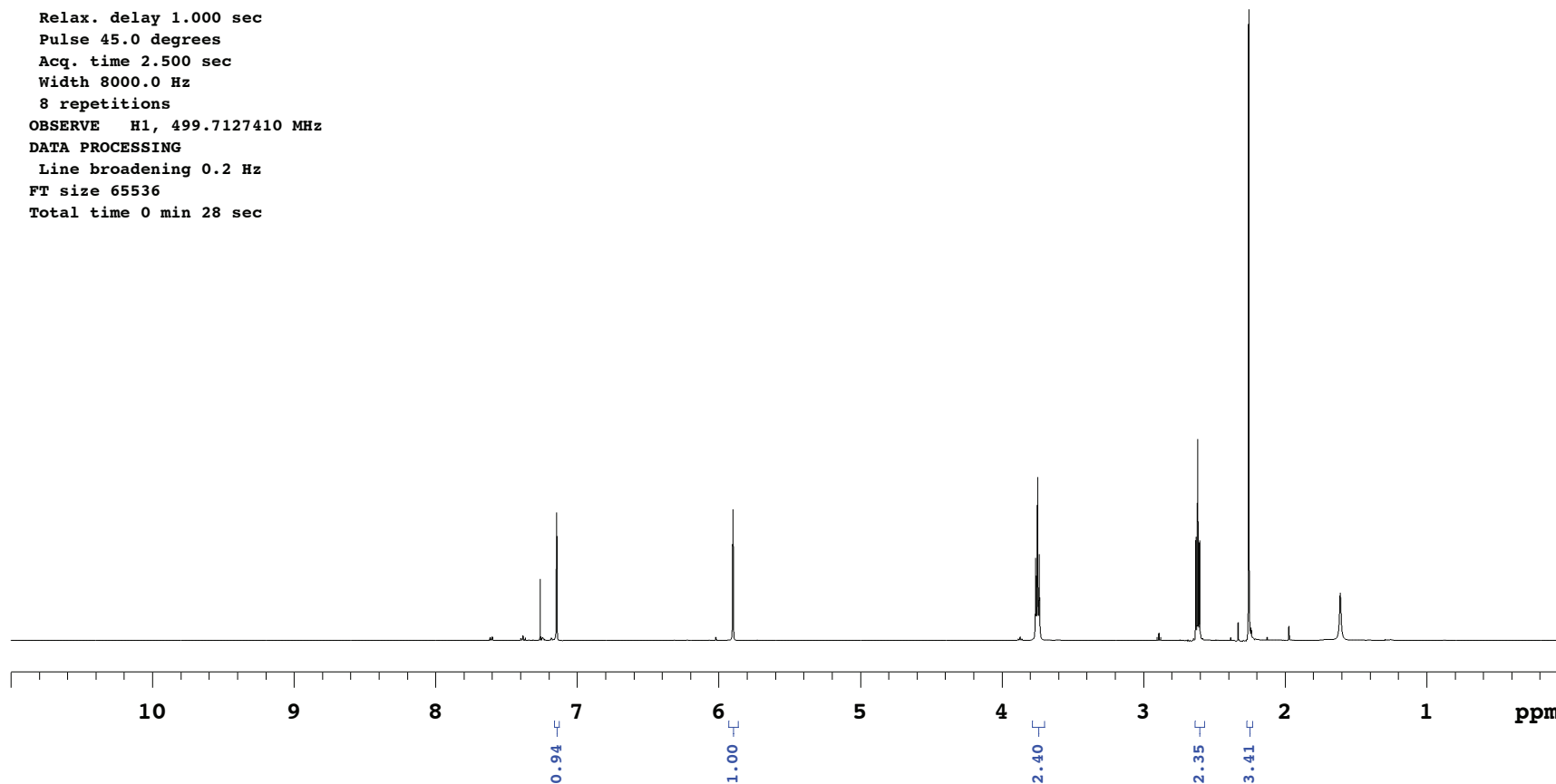
OBSERVE H1, 499.7127410 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 28 sec



RN-VI-61
flashed

Sample Name:

RN-VI-61

Data Collected on:

indy.caltech.edu-inova500

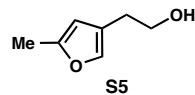
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-61

FidFile: CARBON02



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: May 17 2012

Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

800 repetitions

OBSERVE C13, 125.6528729 MHz

DECOUPLE H1, 499.7152303 MHz

Power 39 dB

continuously on

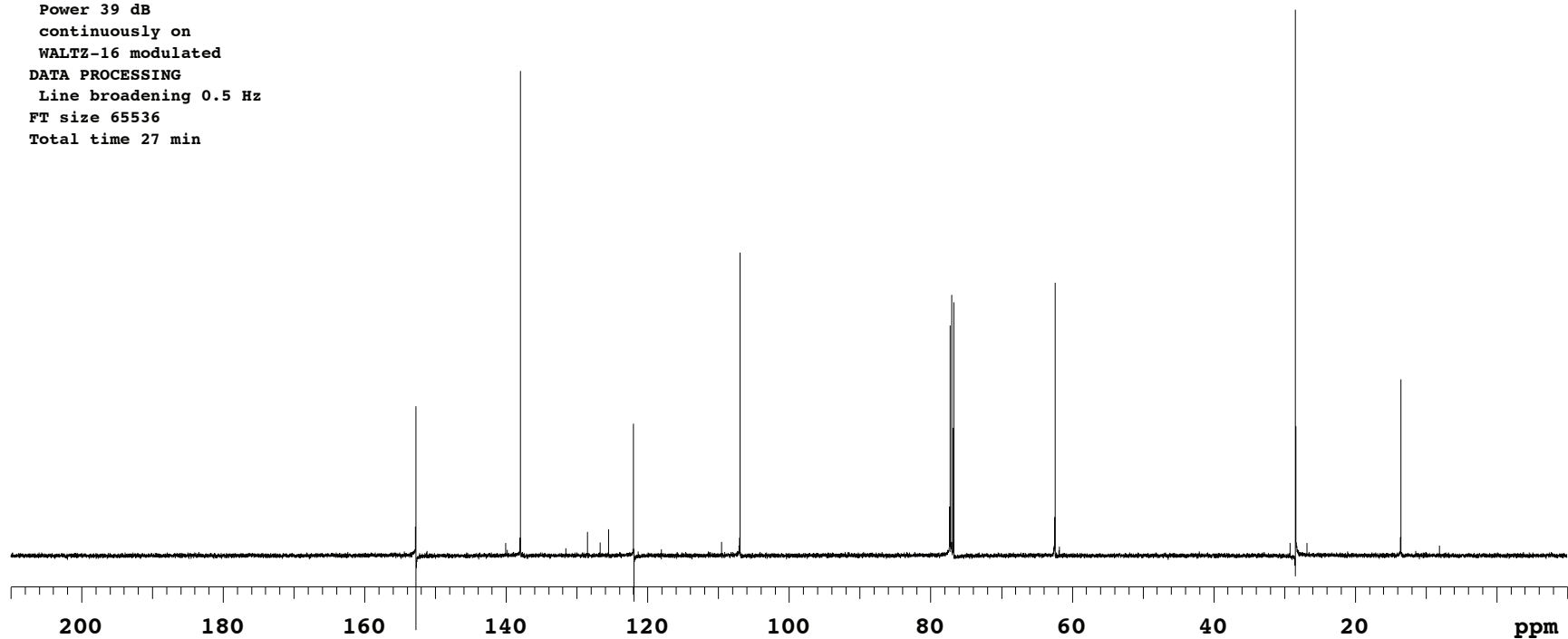
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 27 min



RN-V-151
flashed

Sample Name:

RN-V-151

Data Collected on:

indy.caltech.edu-inova500

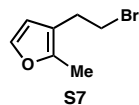
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-151

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl₃

Data collected on: Nov 2 2011

Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

8 repetitions

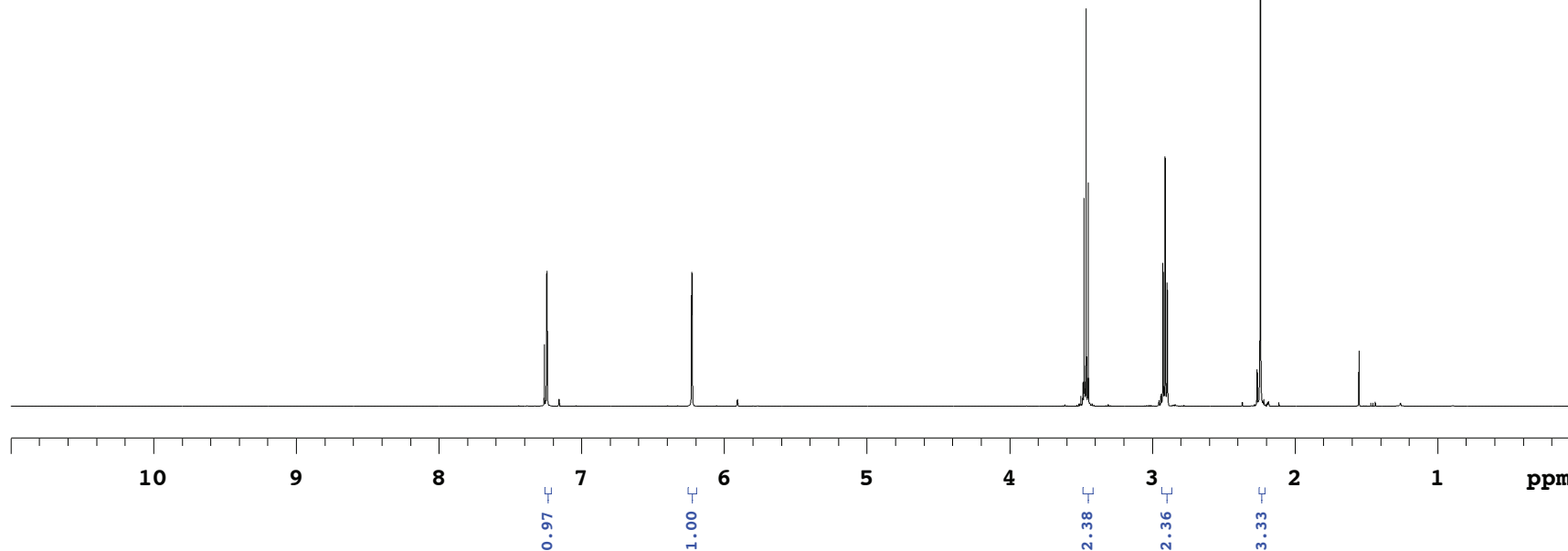
OBSERVE H1, 499.7225125 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 28 sec



RN-V-151
flashed

Sample Name:

RN-V-151

Data Collected on:

indy.caltech.edu-inova500

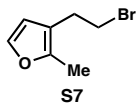
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-151

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Nov 2 2011

Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

900 repetitions

OBSERVE C13, 125.6553291 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

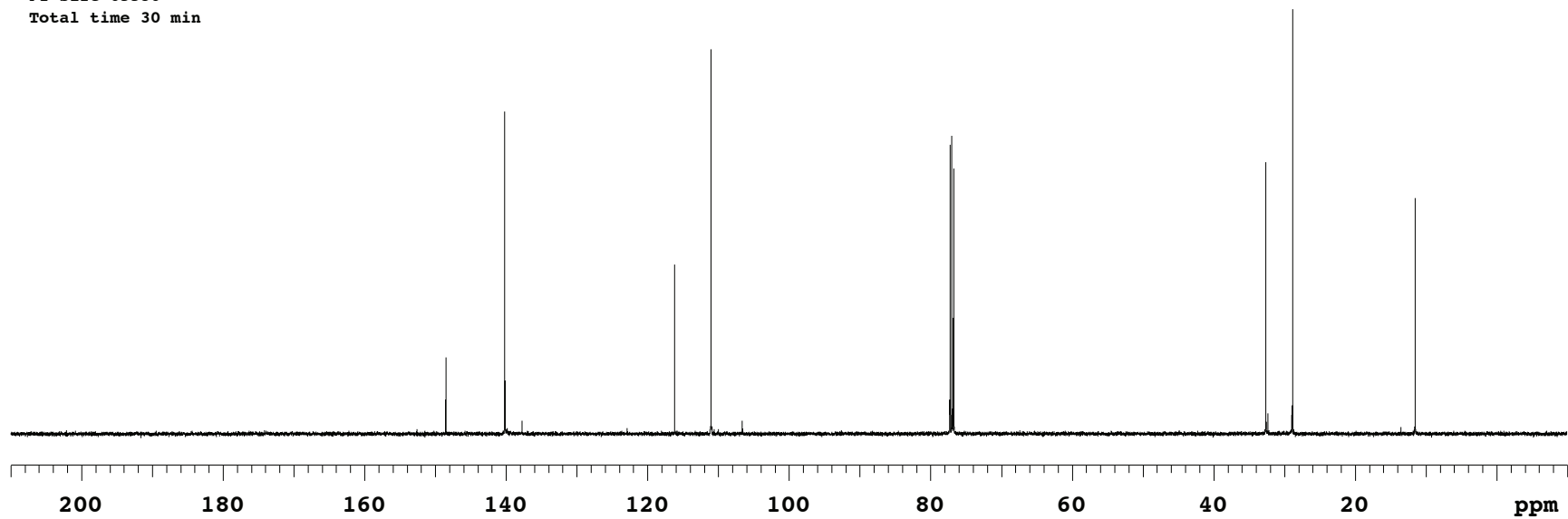
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 30 min



RN-VI-90
purified

Sample Name:

RN-VI-90

Data Collected on:

indy.caltech.edu-inova500

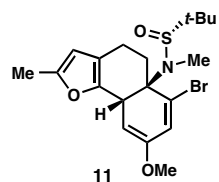
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-90

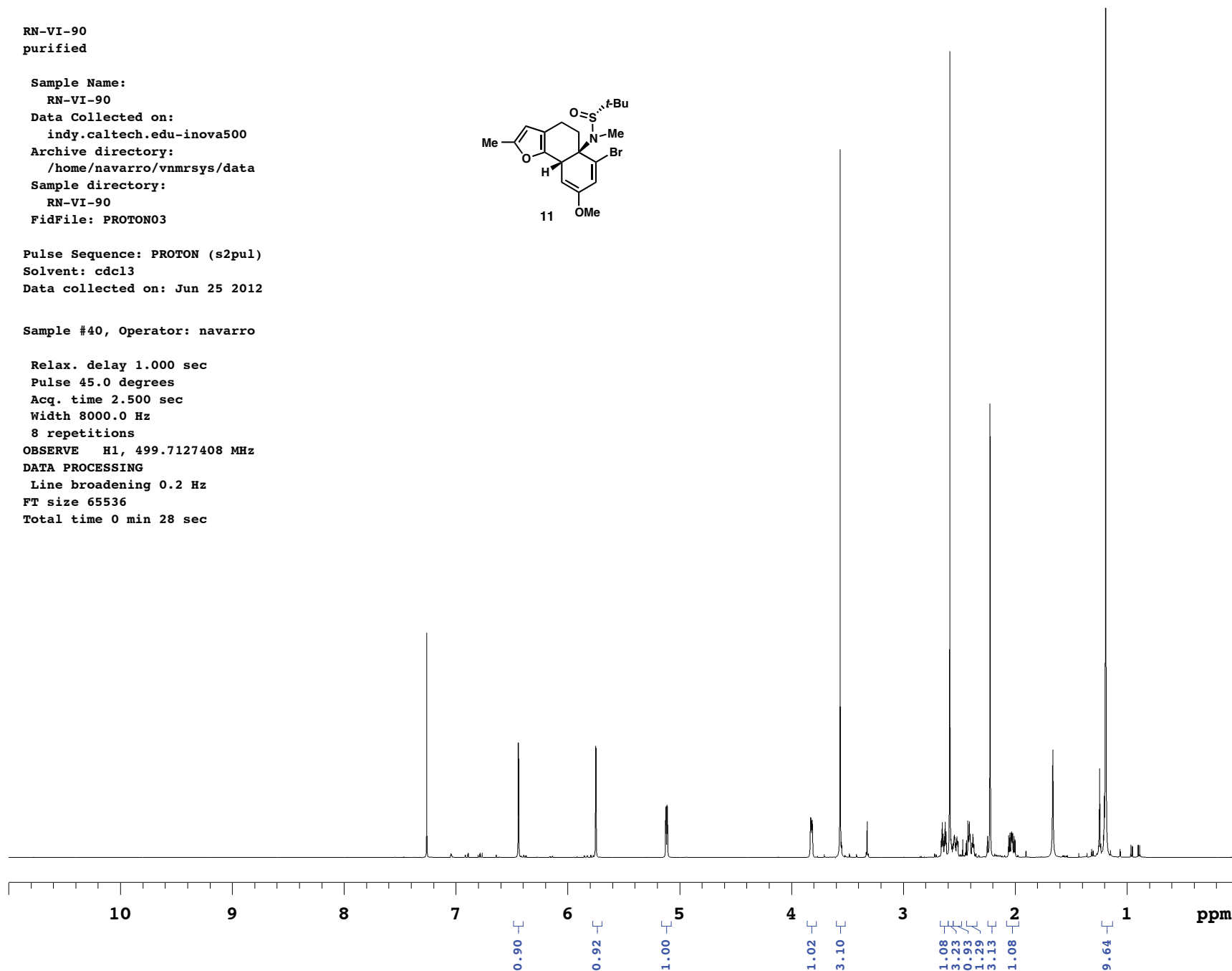
FidFile: PROTON03



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jun 25 2012

Sample #40, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7127408 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min 28 sec



RN-VI-90
purified

Sample Name:

RN-VI-90

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-90

FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jun 25 2012

Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1500 repetitions

OBSERVE C13, 125.6528710 MHz

DECOUPLE H1, 499.7152303 MHz

Power 39 dB

continuously on

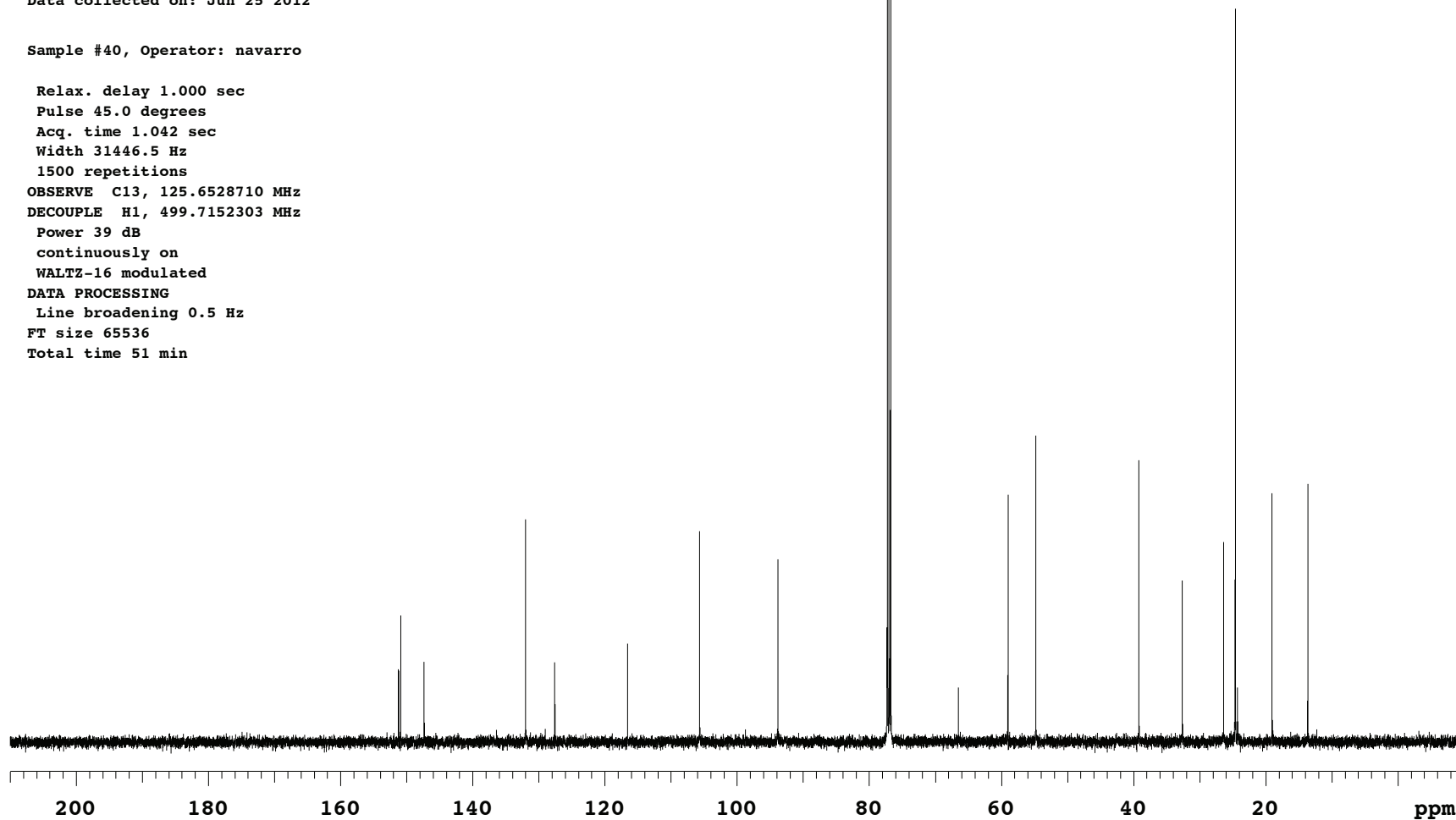
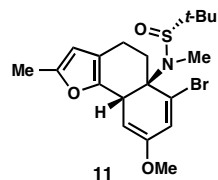
WALTZ-16 modulated

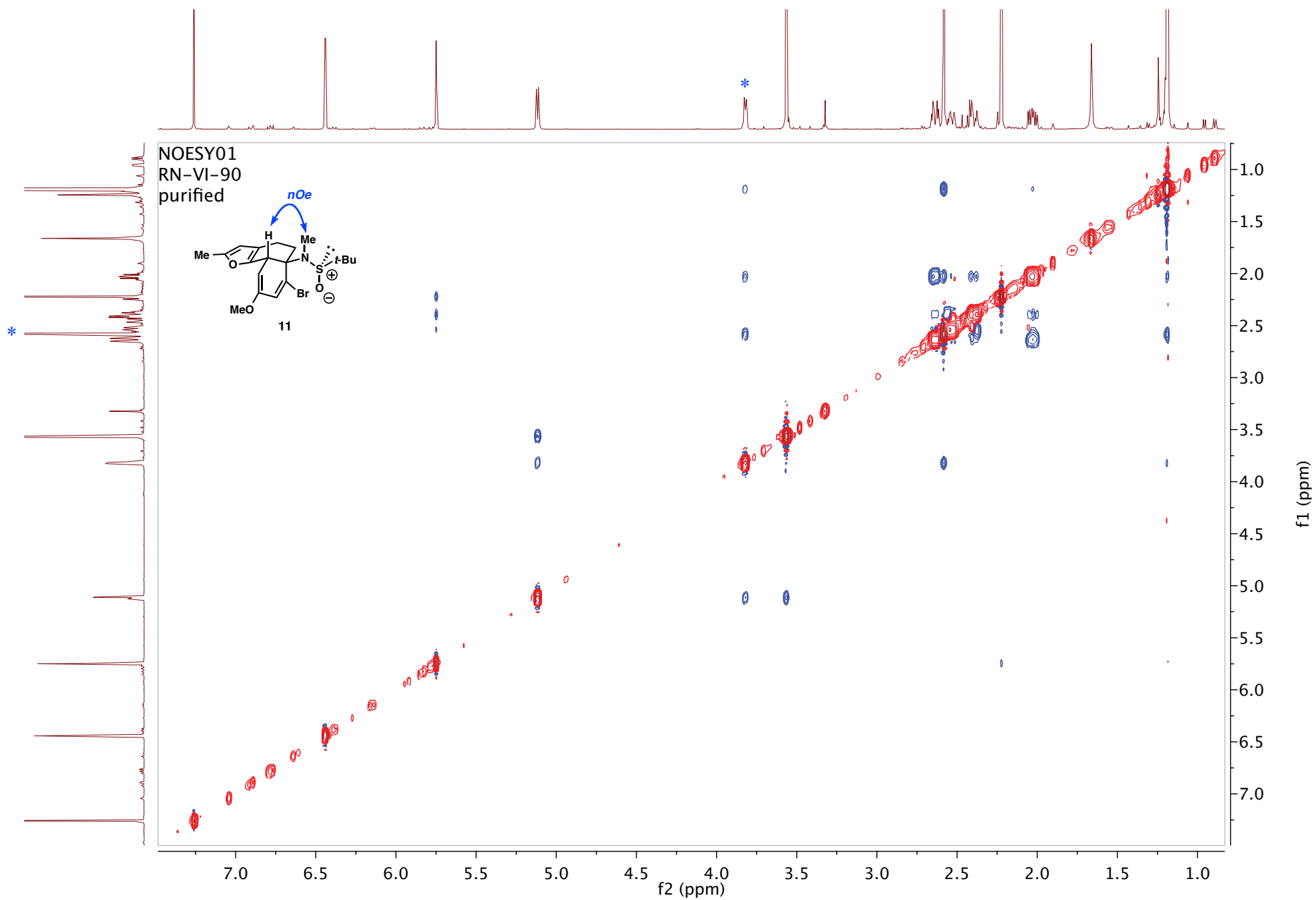
DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 51 min





RN-V-47
flashed

Sample Name:

RN-V-47

Data Collected on:

indy.caltech.edu-inova500

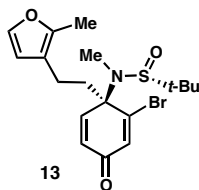
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-47

FidFile: PROTON01

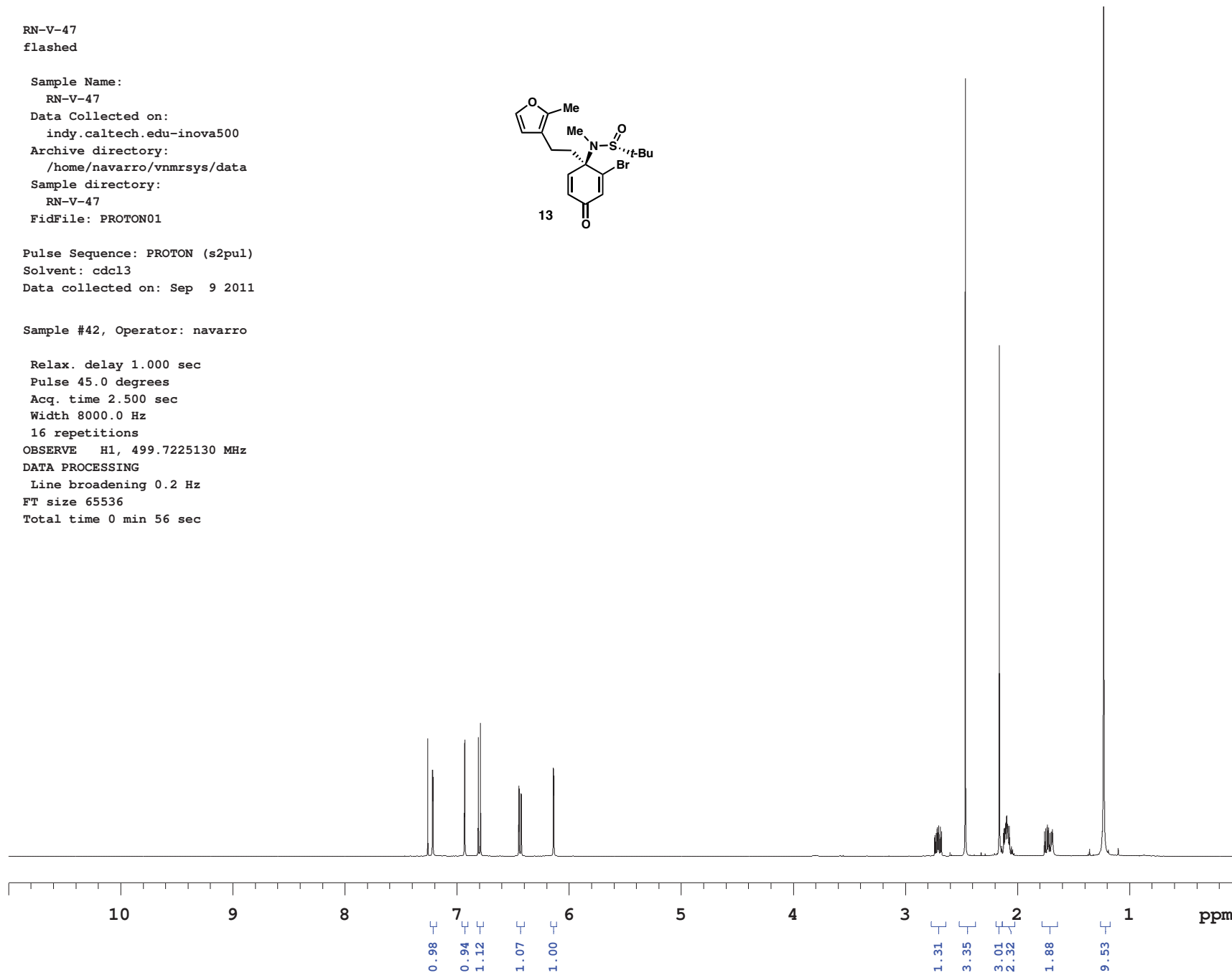


13

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Sep 9 2011

Sample #42, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
16 repetitions
OBSERVE H1, 499.7225130 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min 56 sec



RN-V-47
flashed

Sample Name:

RN-V-47

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

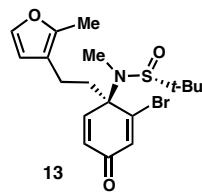
RN-V-47

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Sep 9 2011



Sample #42, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

750 repetitions

OBSERVE C13, 125.6553291 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

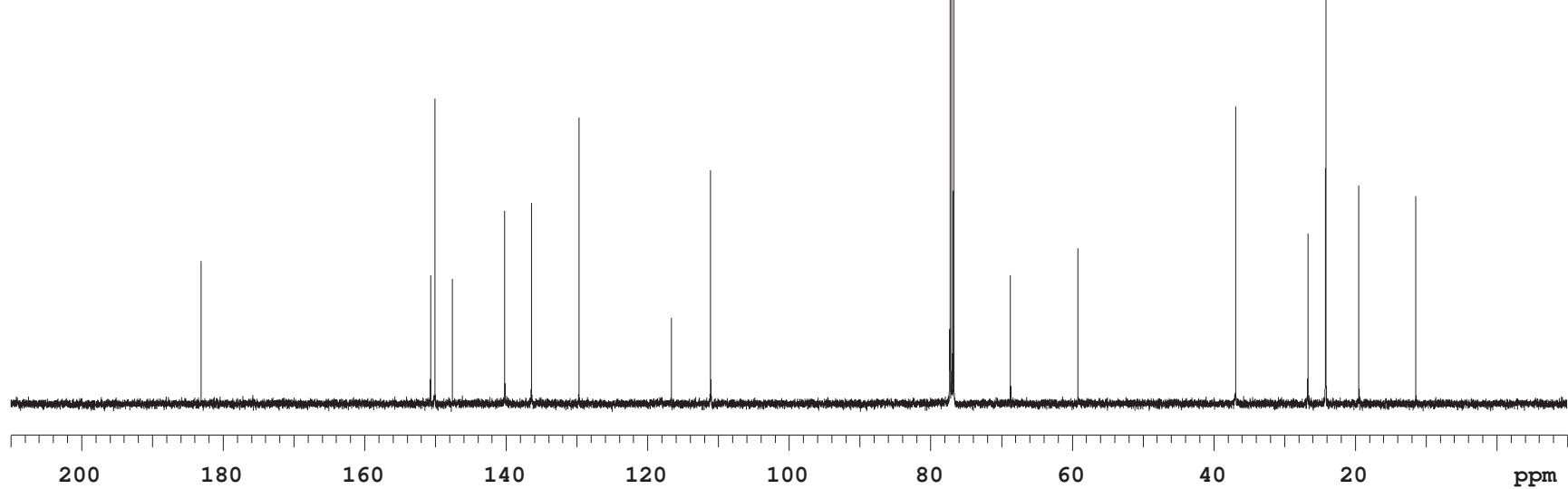
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 25 min



RN-V-50
flashed

Sample Name:

RN-V-50

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-50

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 9 2011

Sample #41, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

16 repetitions

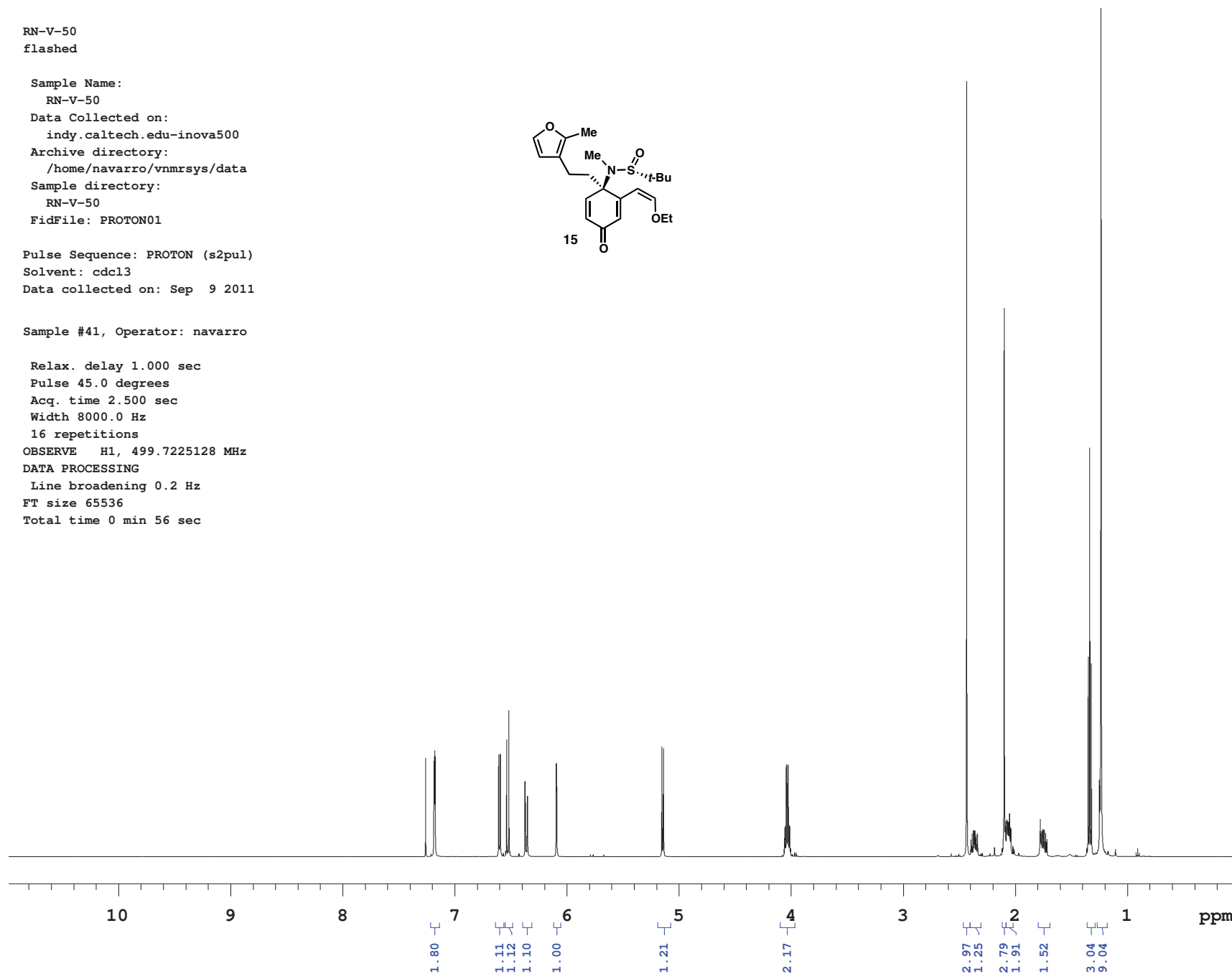
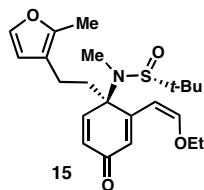
OBSERVE H1, 499.7225128 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 56 sec



RN-V-50
flashed

Sample Name:

RN-V-50

Data Collected on:

indy.caltech.edu-inova500

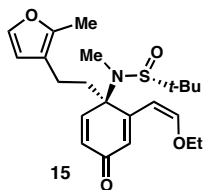
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-50

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Sep 9 2011

Sample #41, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

750 repetitions

OBSERVE C13, 125.6553300 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

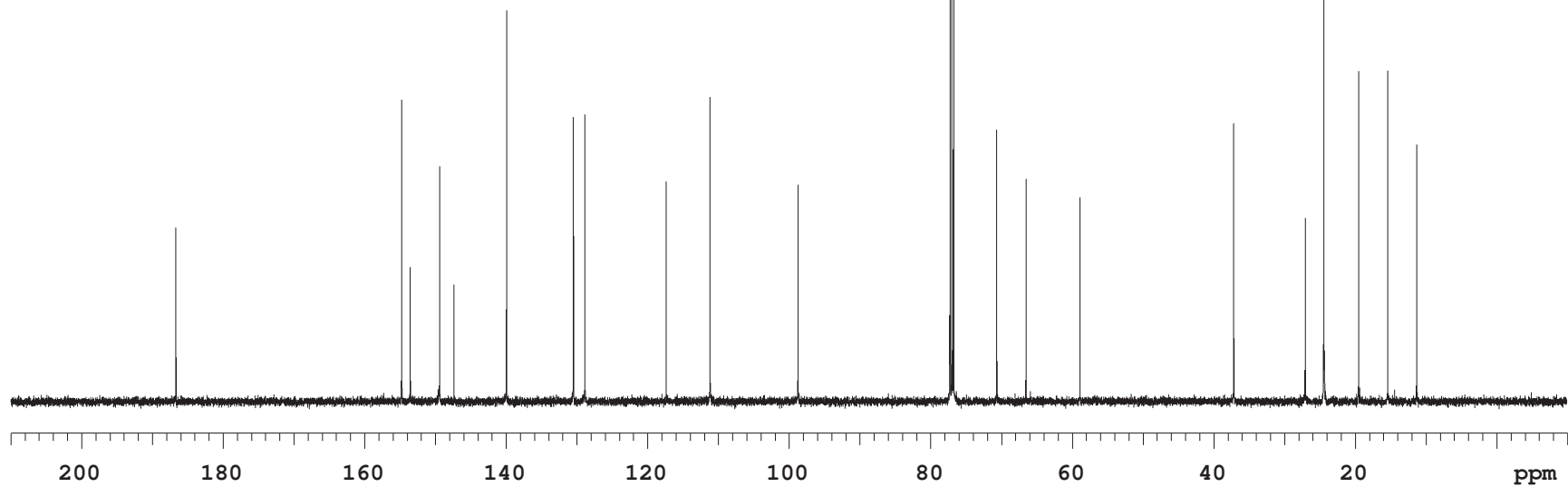
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 25 min



RN-V-114
flashed

Sample Name:

RN-V-114

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

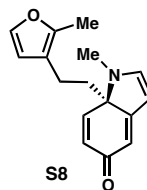
RN-V-114

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 3 2011



Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

16 repetitions

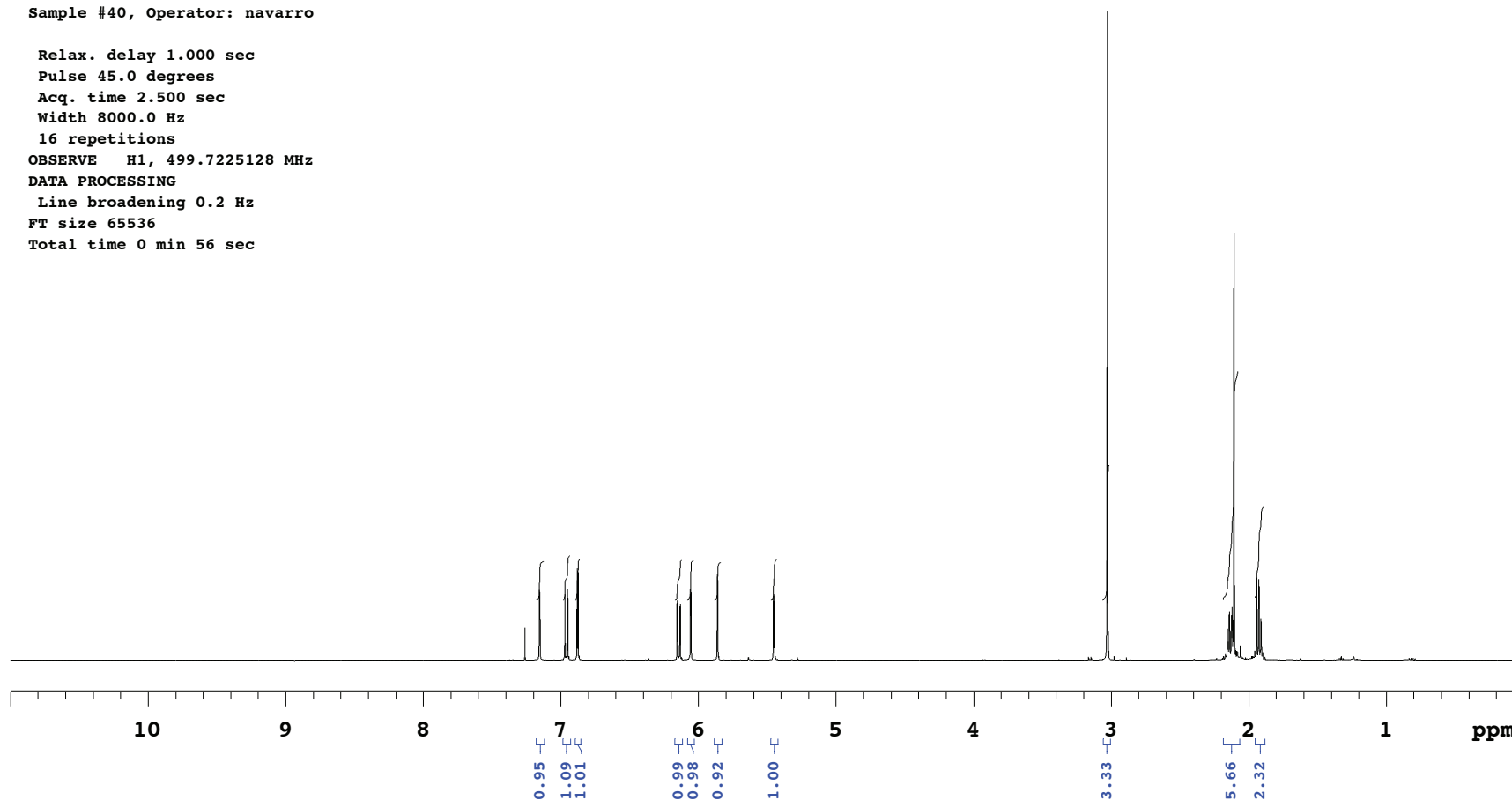
OBSERVE H1, 499.7225128 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 56 sec



RN-V-114
flashed

Sample Name:

RN-V-114

Data Collected on:

indy.caltech.edu-inova500

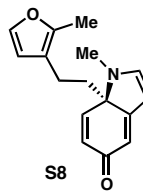
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-114

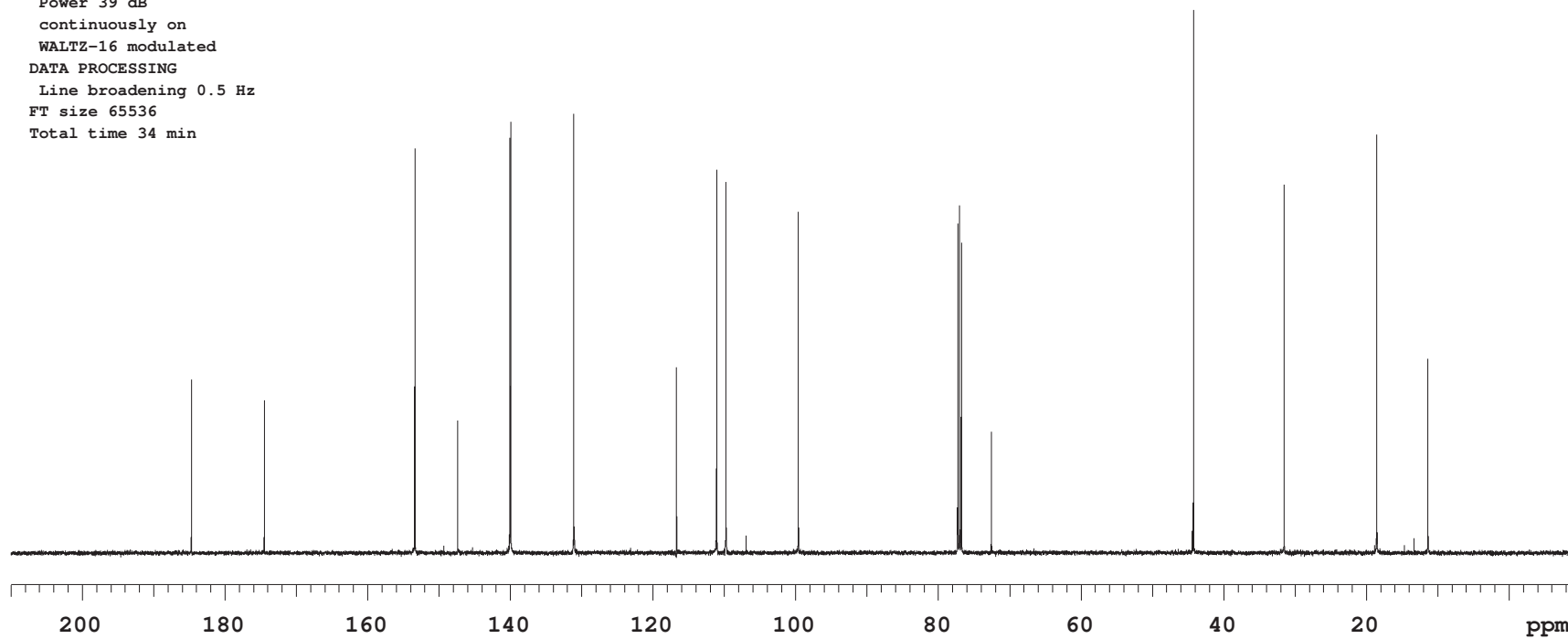
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 3 2011

Sample #40, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6553348 MHz
DECOUPLE H1, 499.7250019 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 34 min



RN-V-119

flashed

Sample Name:

RN-V-119

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

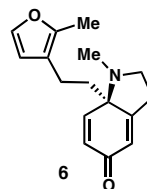
RN-V-119

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 26 2011



Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

16 repetitions

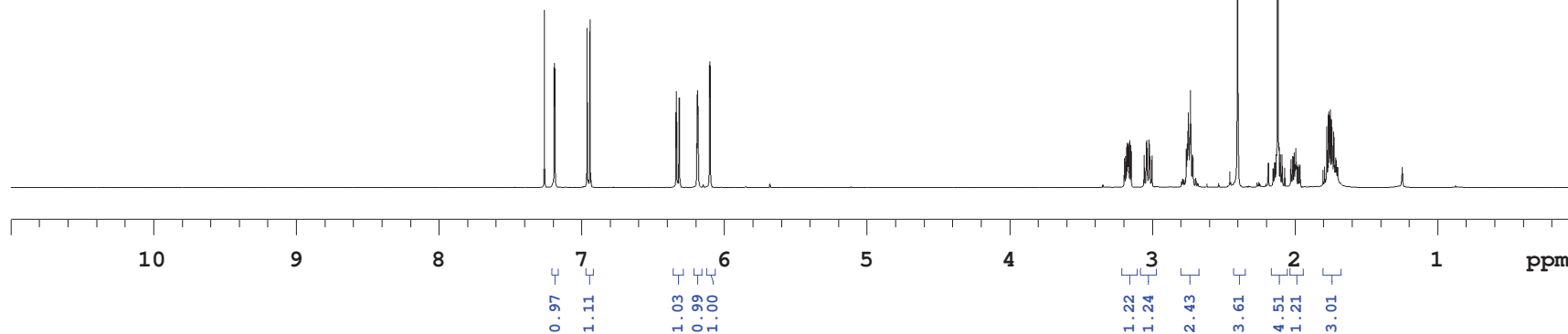
OBSERVE H1, 499.7225128 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 56 sec



RN-V-119
flashed

Sample Name:

RN-V-119

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

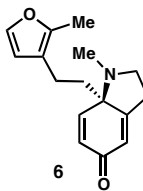
RN-V-119

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Oct 26 2011



Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

3450 repetitions

OBSERVE C13, 125.6553291 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

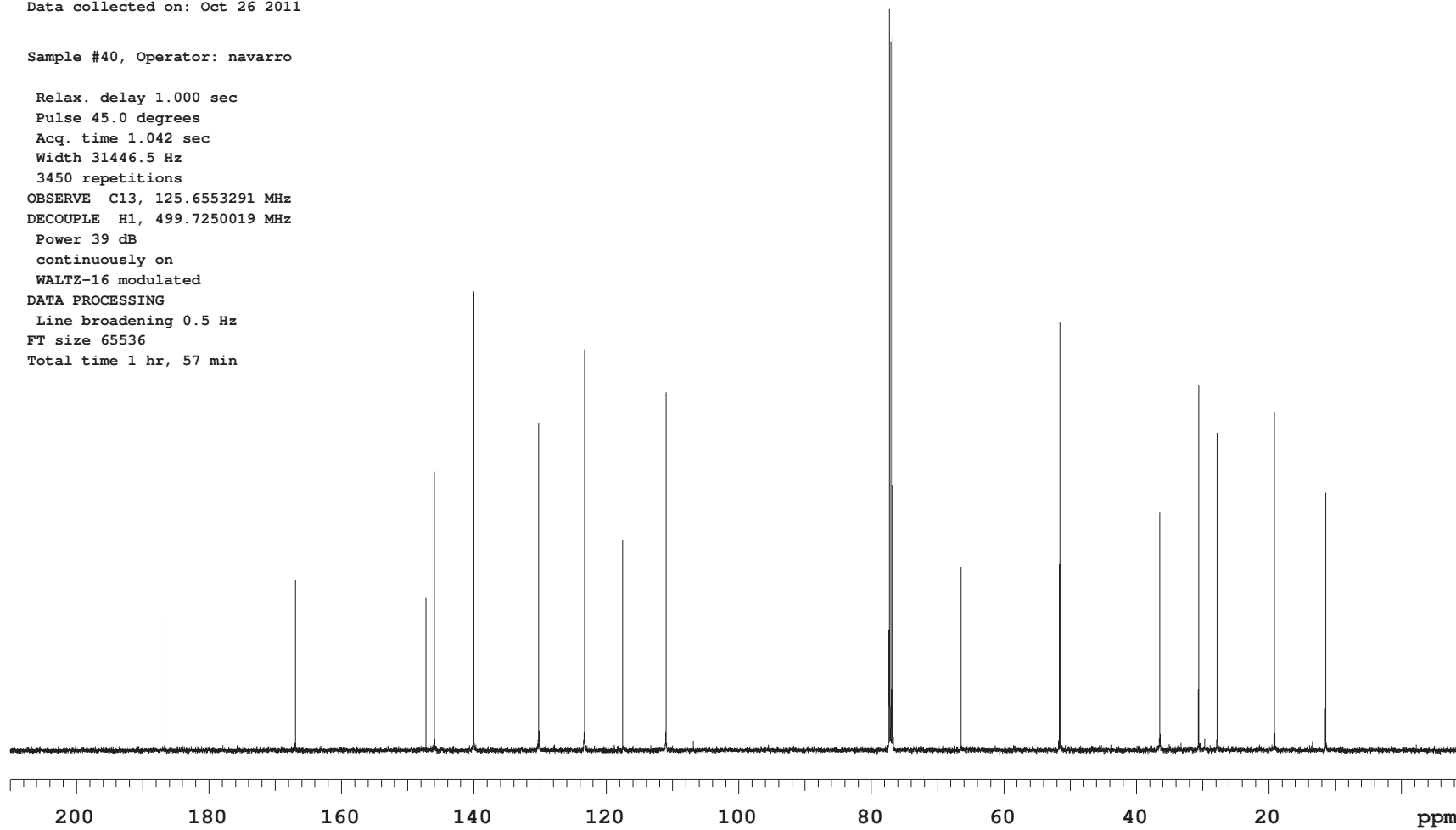
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

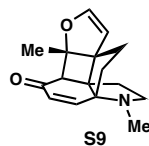
FT size 65536

Total time 1 hr, 57 min



RN-VI-97
[2_2] product
purified

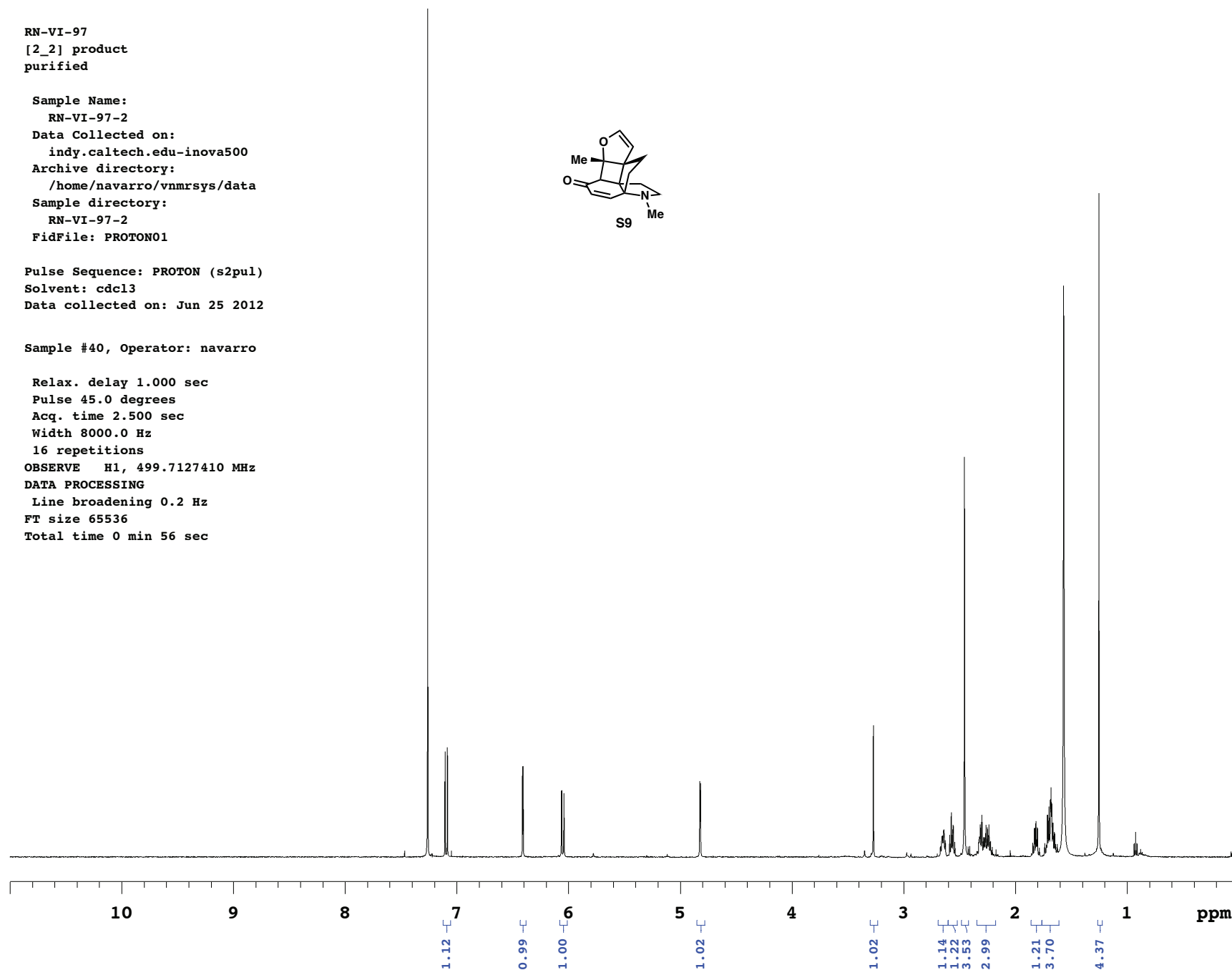
Sample Name:
RN-VI-97-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-VI-97-2
FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jun 25 2012

Sample #40, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
16 repetitions
OBSERVE H1, 499.7127410 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min 56 sec



Std proton

Sample Name:

Data Collected on:
daytona.caltech.edu-inova500
Archive directory:

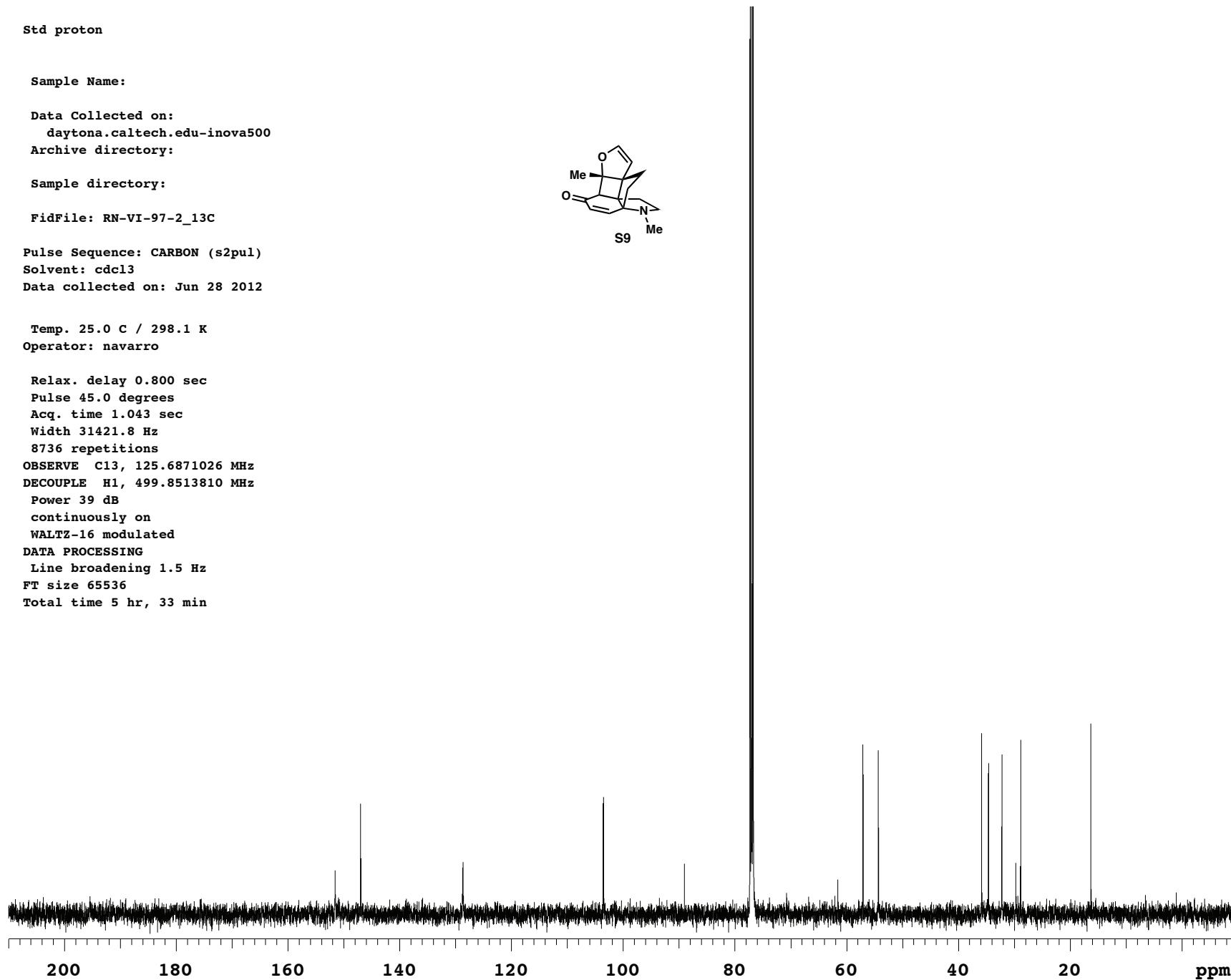
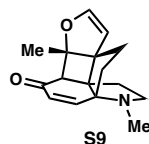
Sample directory:

FidFile: RN-VI-97-2_13C

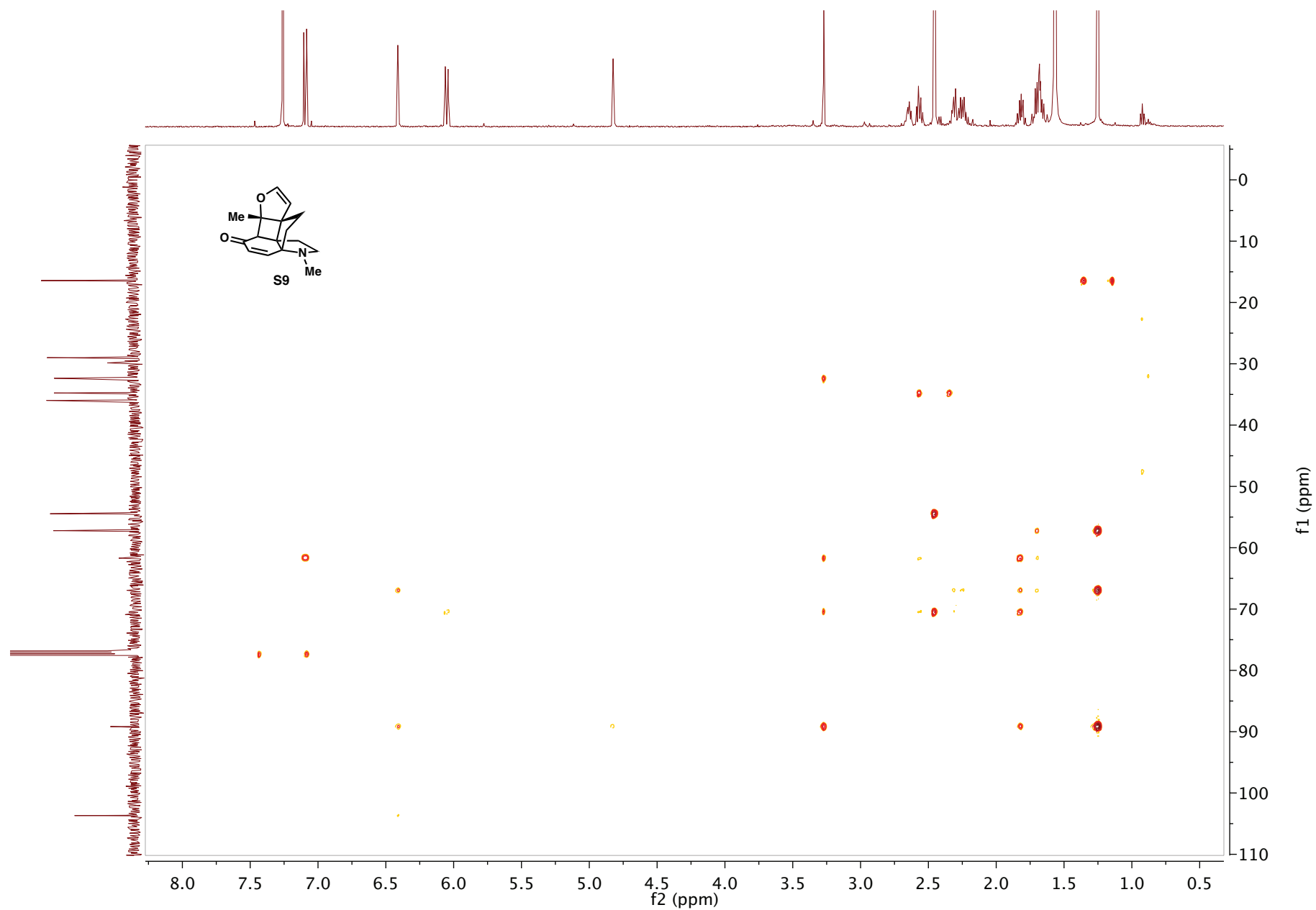
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jun 28 2012

Temp. 25.0 C / 298.1 K
Operator: navarro

Relax. delay 0.800 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31421.8 Hz
8736 repetitions
OBSERVE C13, 125.6871026 MHz
DECOUPLE H1, 499.8513810 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.5 Hz
FT size 65536
Total time 5 hr, 33 min



HMBC data for dihydrofuran **S9**:



RN-VI-97
purified

Sample Name:

RN-VI-97

Data Collected on:

indy.caltech.edu-inova500

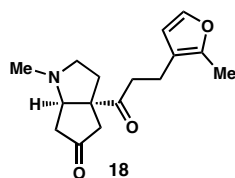
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-97

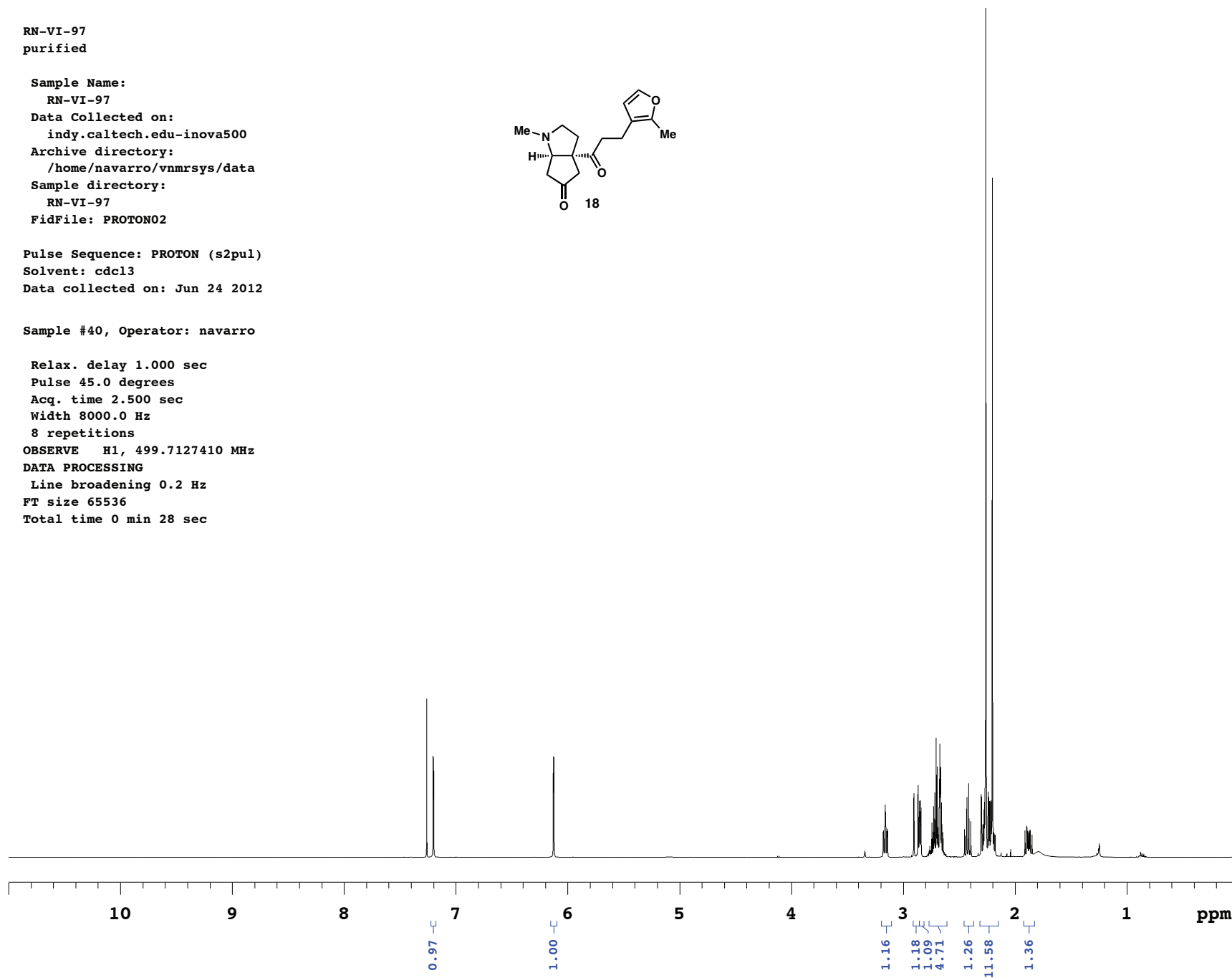
FidFile: PROTON02



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jun 24 2012

Sample #40, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7127410 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min 28 sec



RN-VI-97
purified

Sample Name:

RN-VI-97

Data Collected on:

indy.caltech.edu-inova500

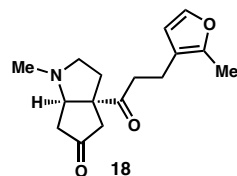
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-VI-97

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jun 24 2012

Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1700 repetitions

OBSERVE C13, 125.6528710 MHz

DECOUPLE H1, 499.7152303 MHz

Power 39 dB

continuously on

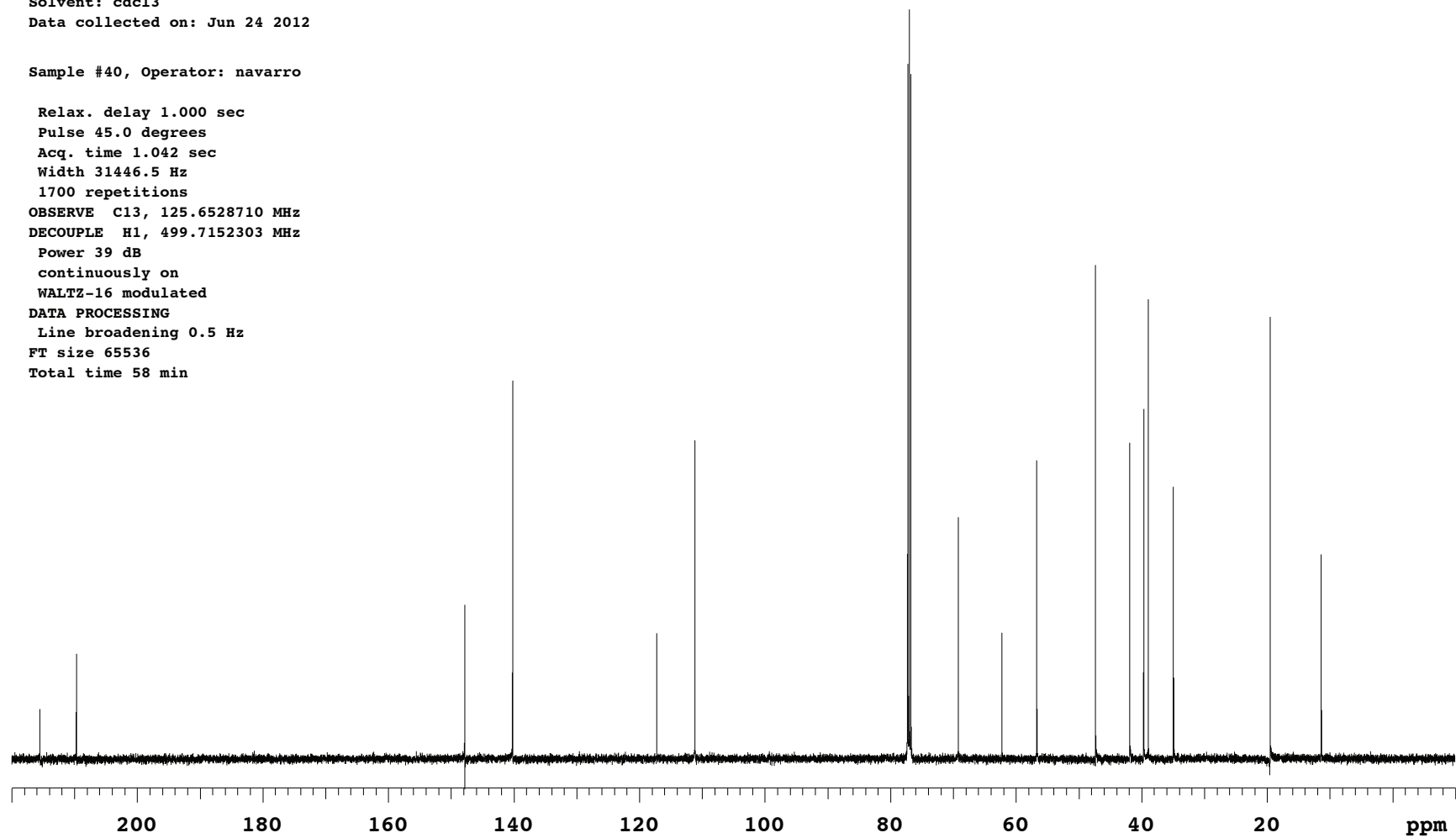
WALTZ-16 modulated

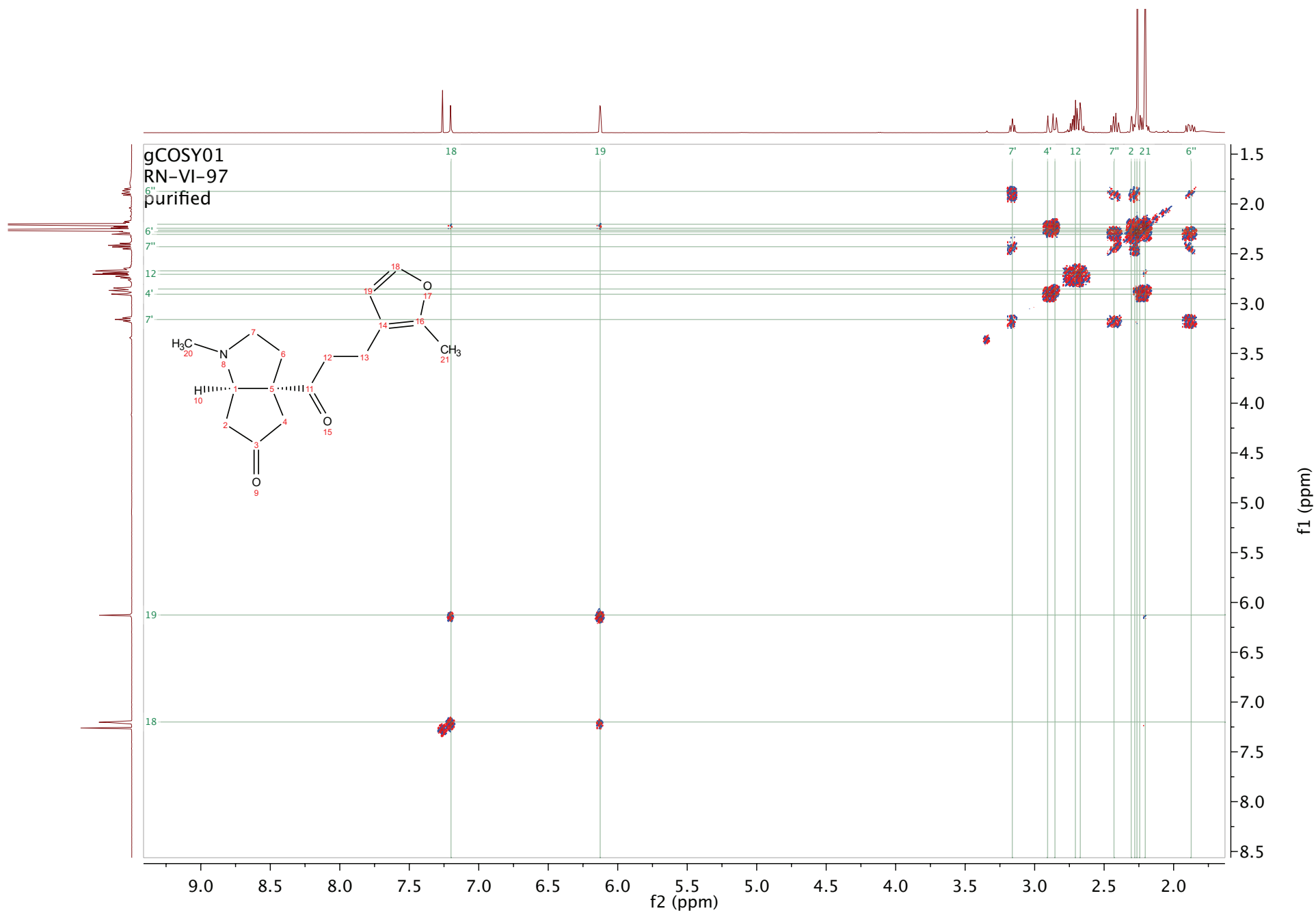
DATA PROCESSING

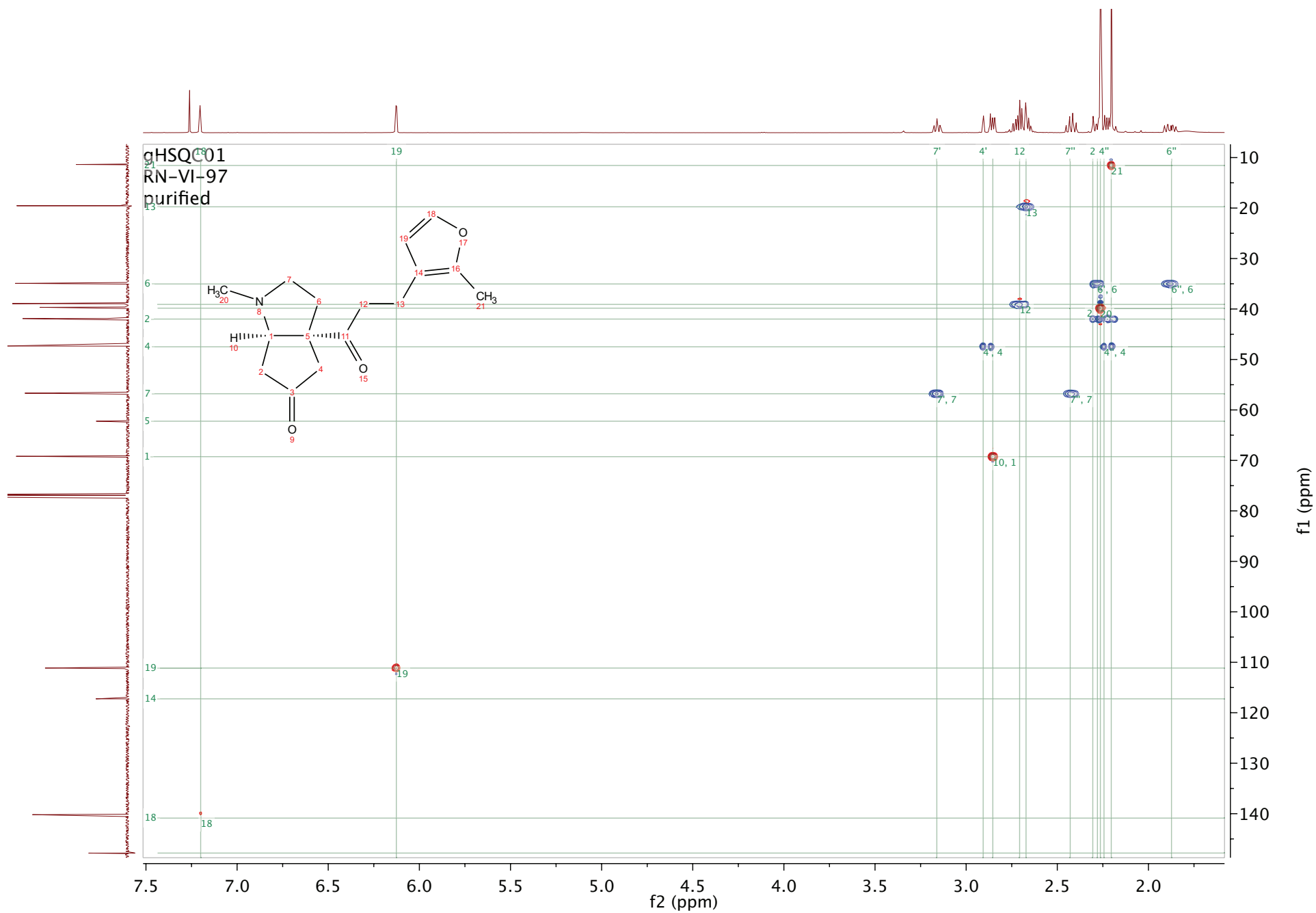
Line broadening 0.5 Hz

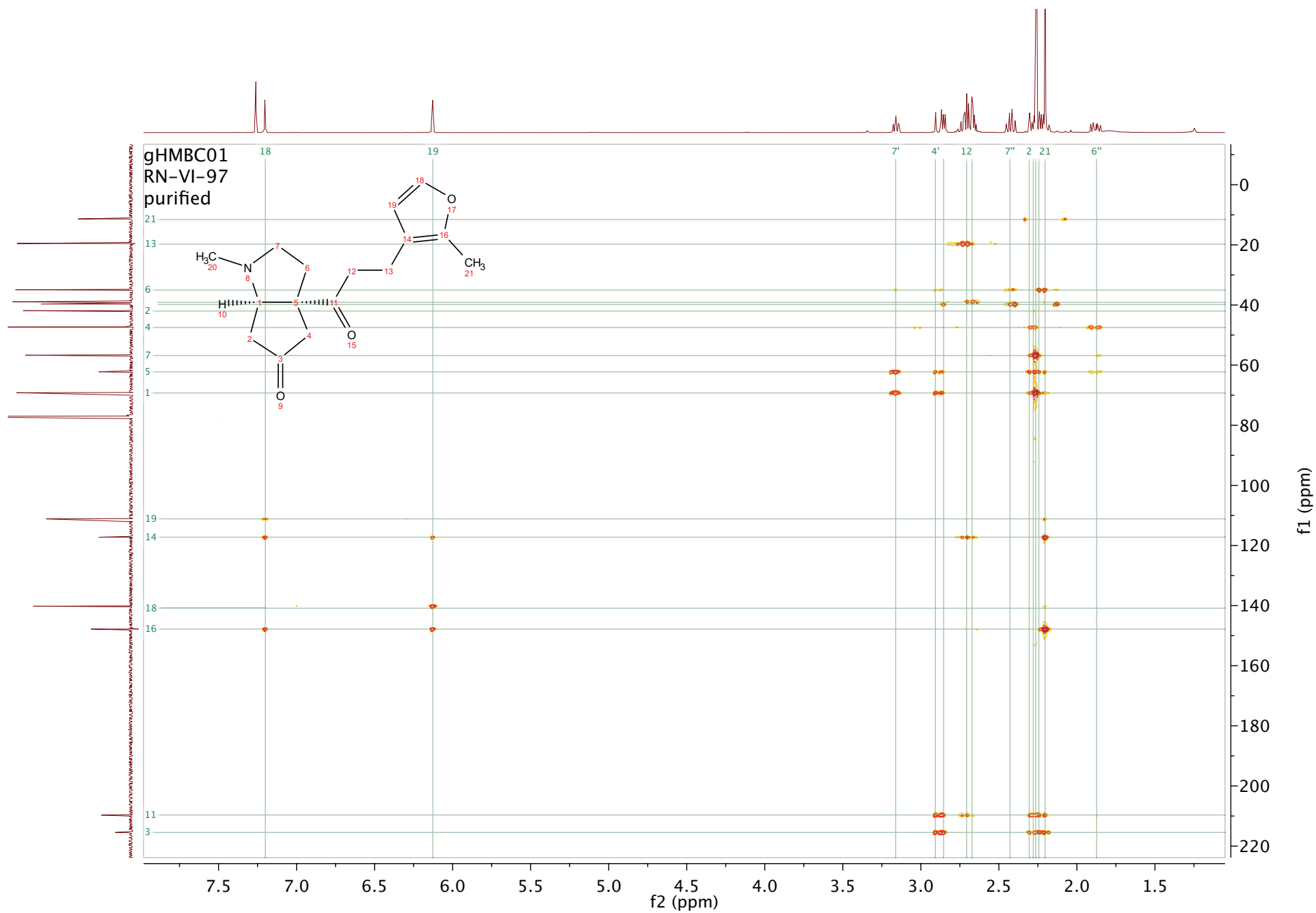
FT size 65536

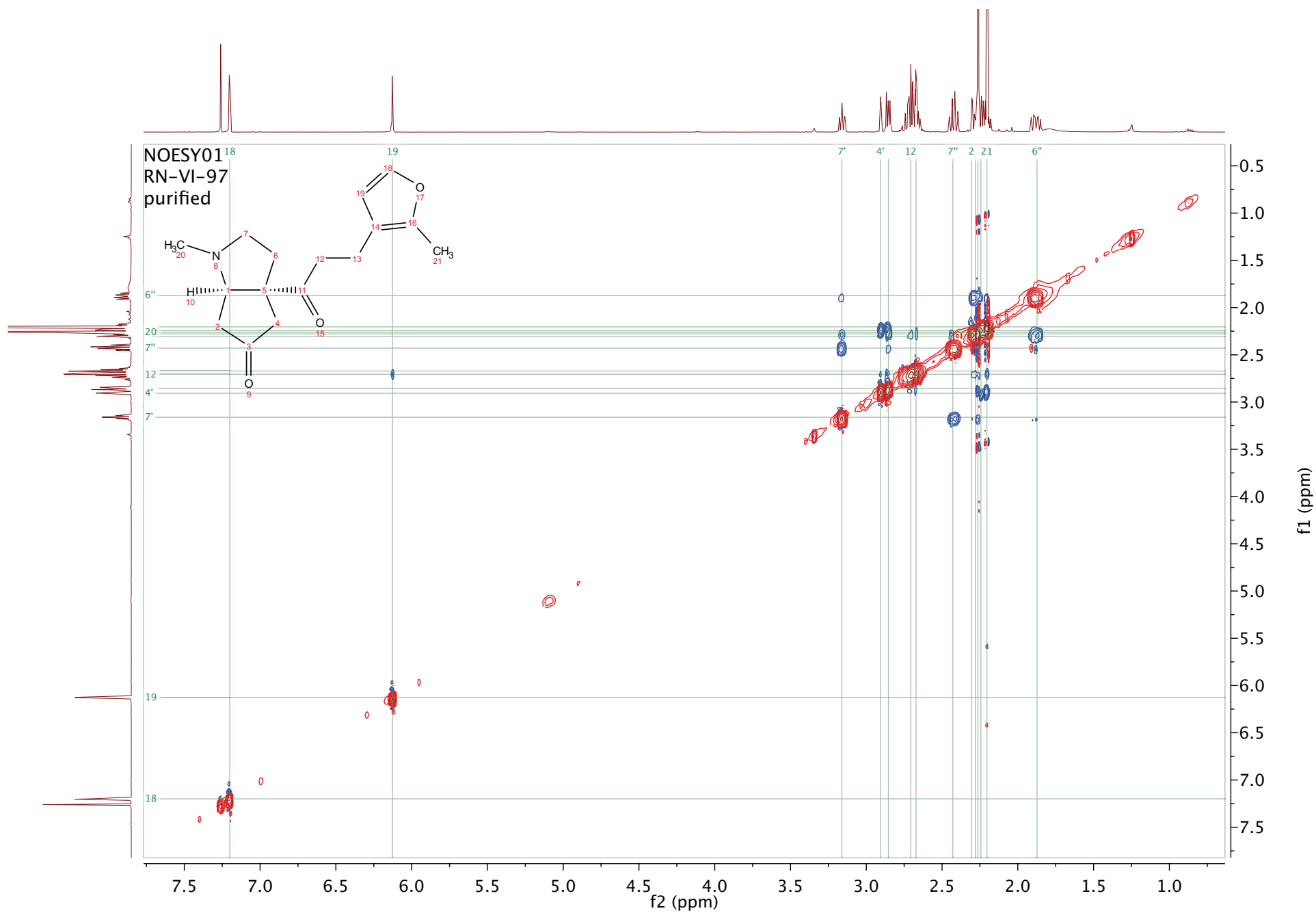
Total time 58 min











RN-V-135
flashed

Sample Name:

RN-V-135

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

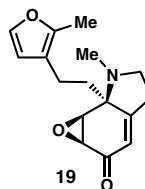
RN-V-135

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 27 2011



Sample #27, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

8 repetitions

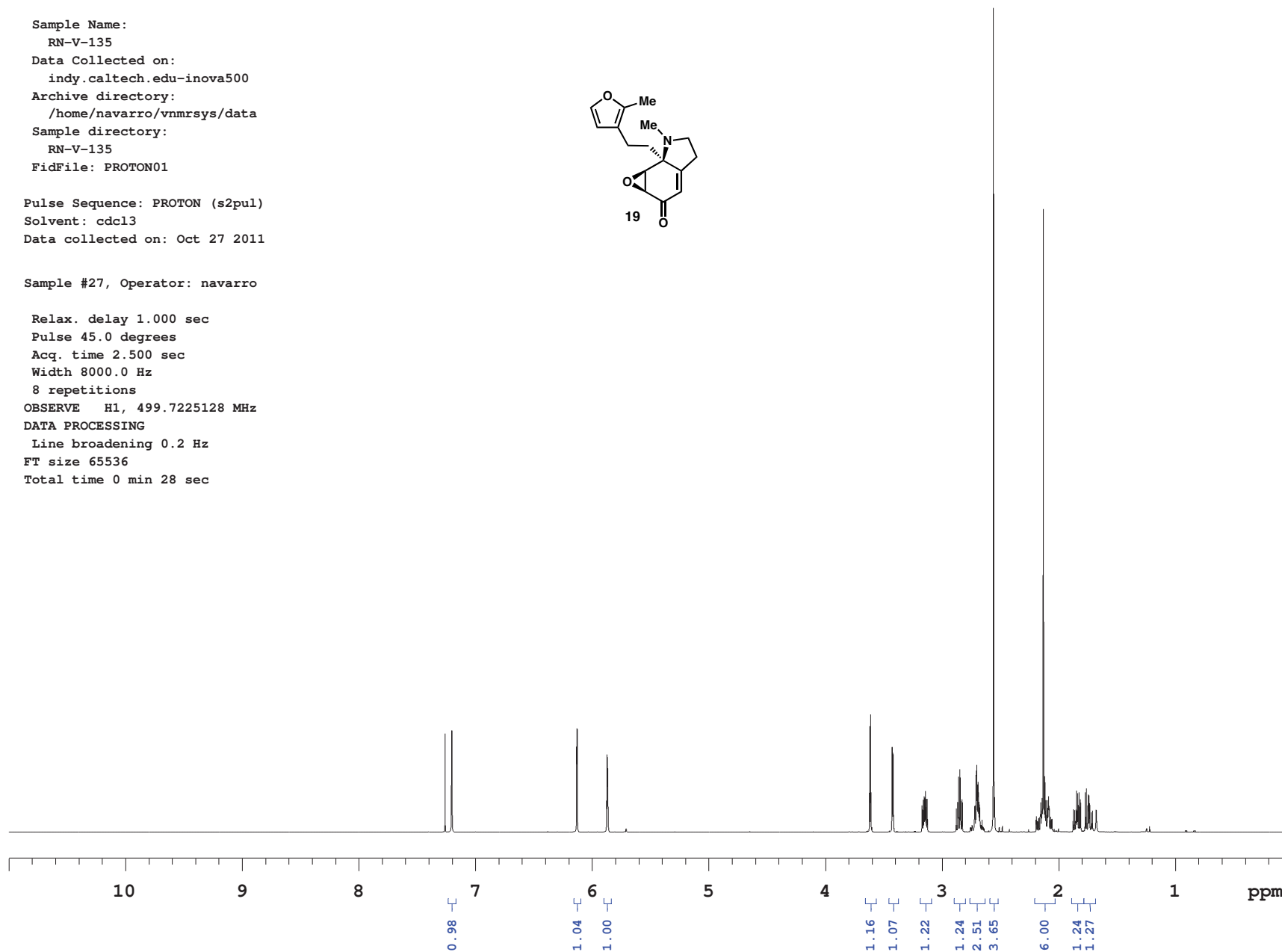
OBSERVE H1, 499.7225128 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 28 sec



RN-V-135
flashed

Sample Name:

RN-V-135

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

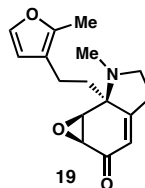
RN-V-135

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Oct 27 2011



Sample #27, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

3000 repetitions

OBSERVE C13, 125.6553300 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

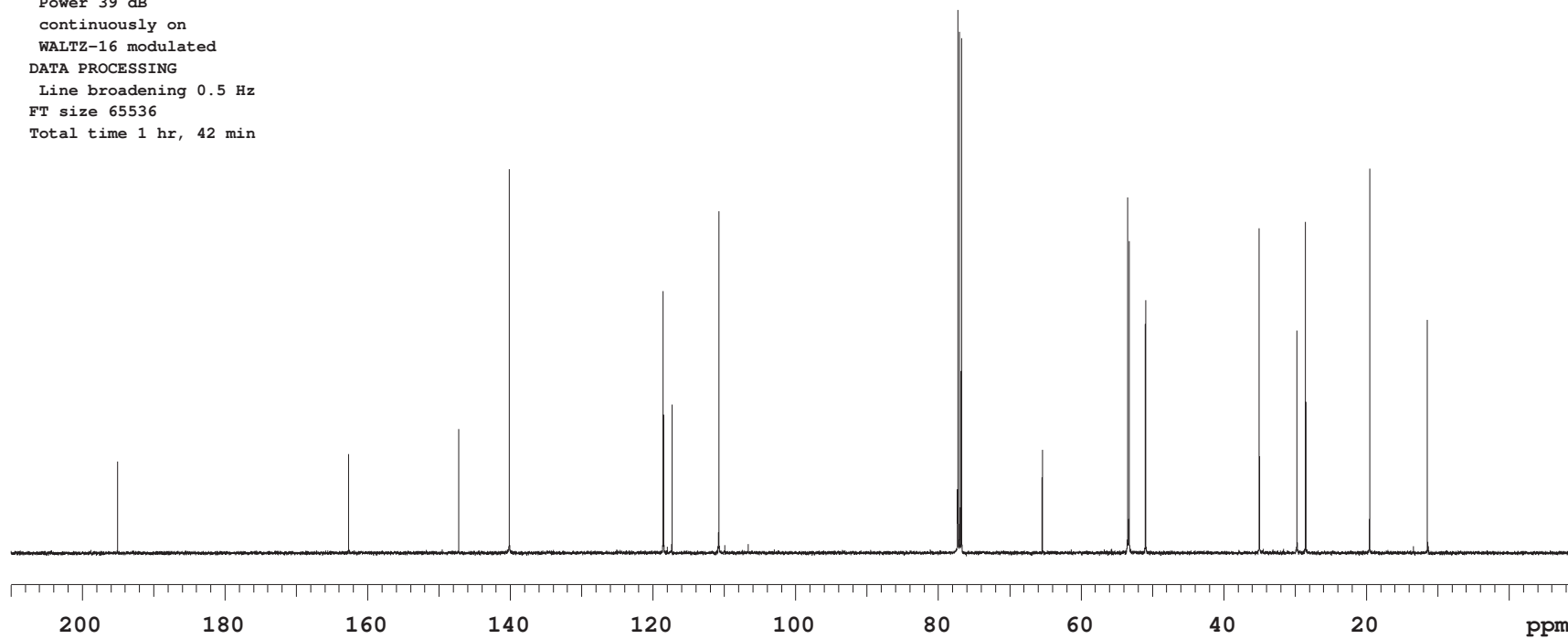
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

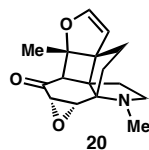
FT size 65536

Total time 1 hr, 42 min



RN-IV-115
flashed

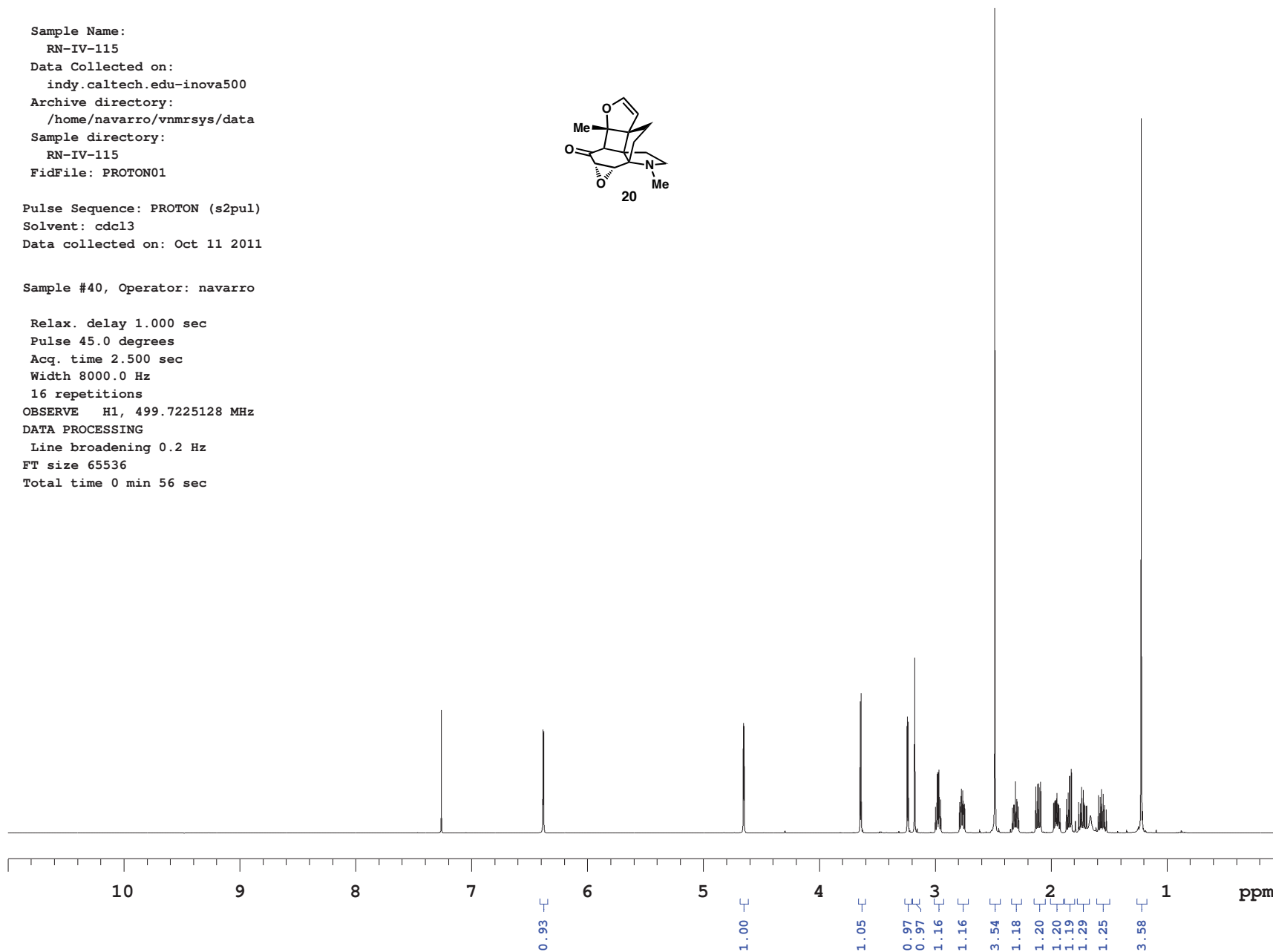
Sample Name:
RN-IV-115
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-IV-115
FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Oct 11 2011

Sample #40, Operator: navarro

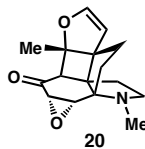
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
16 repetitions
OBSERVE H1, 499.7225128 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min 56 sec



RN-IV-115
flashed

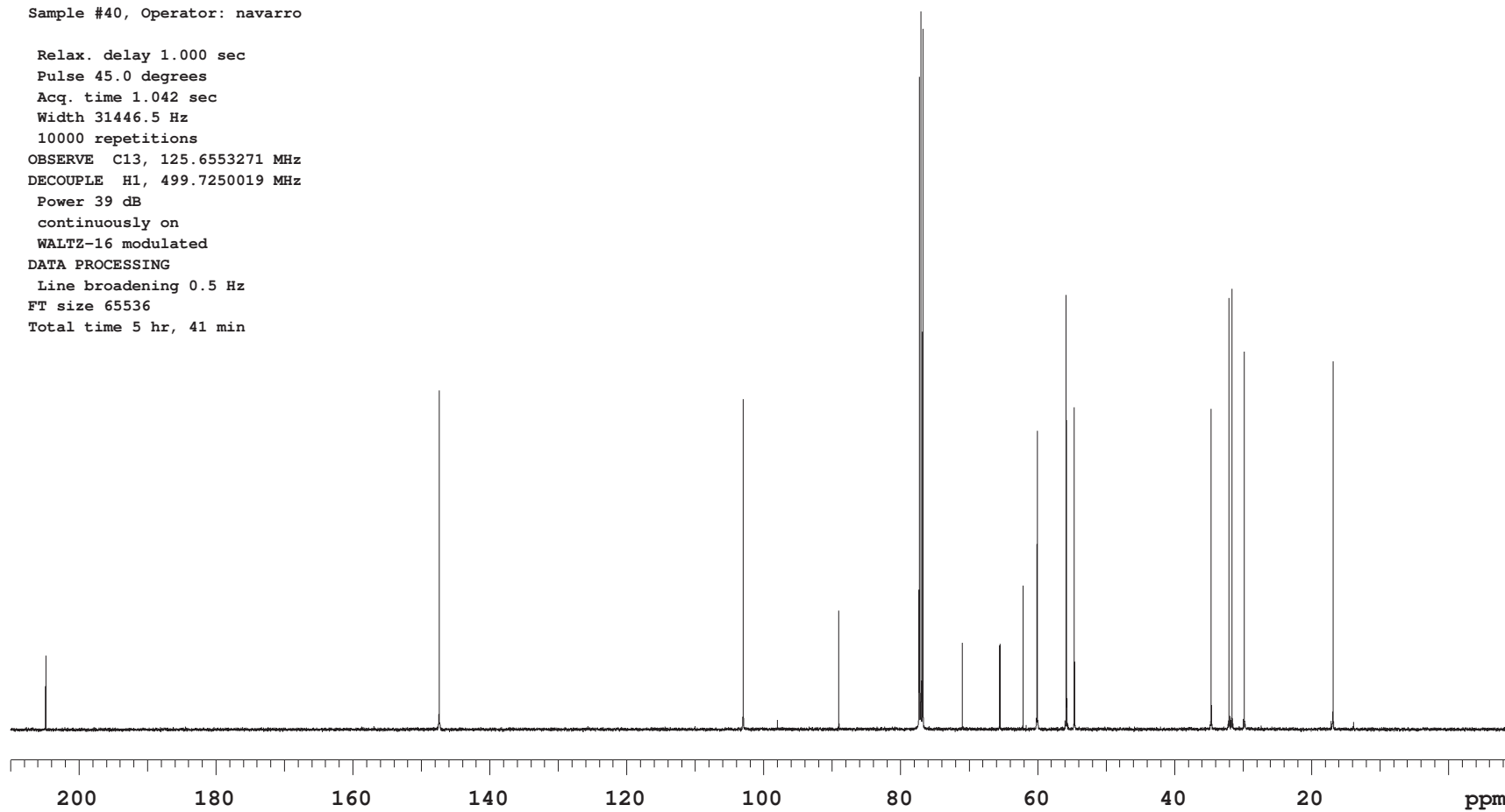
Sample Name:
RN-IV-115
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-IV-115
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 11 2011



Sample #40, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
10000 repetitions
OBSERVE C13, 125.6553271 MHz
DECOUPLE H1, 499.7250019 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 5 hr, 41 min



RN-V-144
flashed

Sample Name:

RN-V-144

Data Collected on:

indy.caltech.edu-inova500

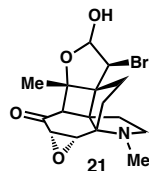
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-144

FidFile: PROTON02



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Nov 1 2011

Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

8 repetitions

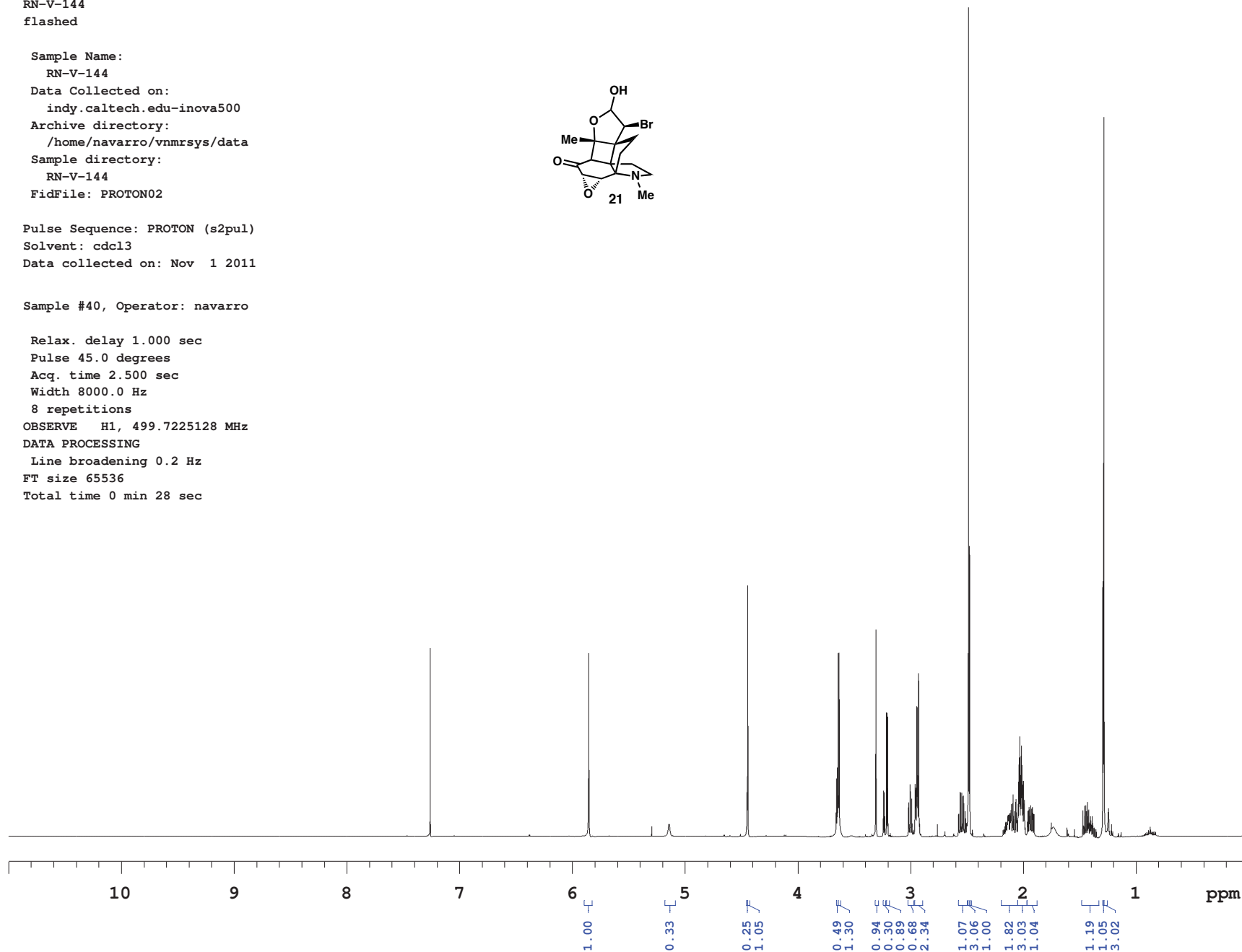
OBSERVE H1, 499.7225128 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 28 sec



RN-V-144
flashed

Sample Name:

RN-V-144

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

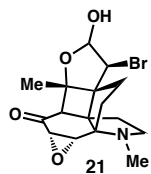
RN-V-144

FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Nov 1 2011



Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

3475 repetitions

OBSERVE C13, 125.6553281 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

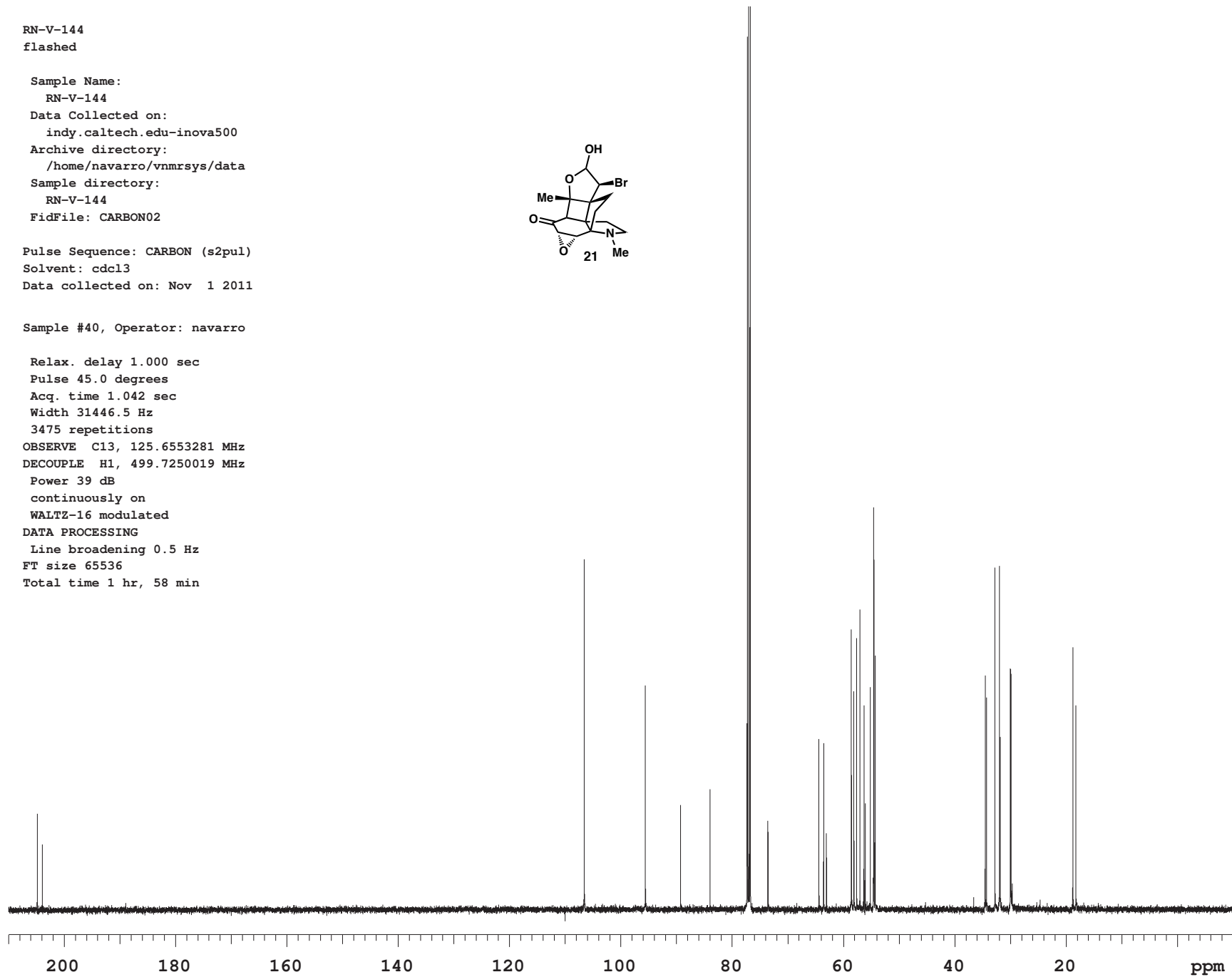
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 1 hr, 58 min



RN-V-88
flashed

Sample Name:

RN-V-88

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

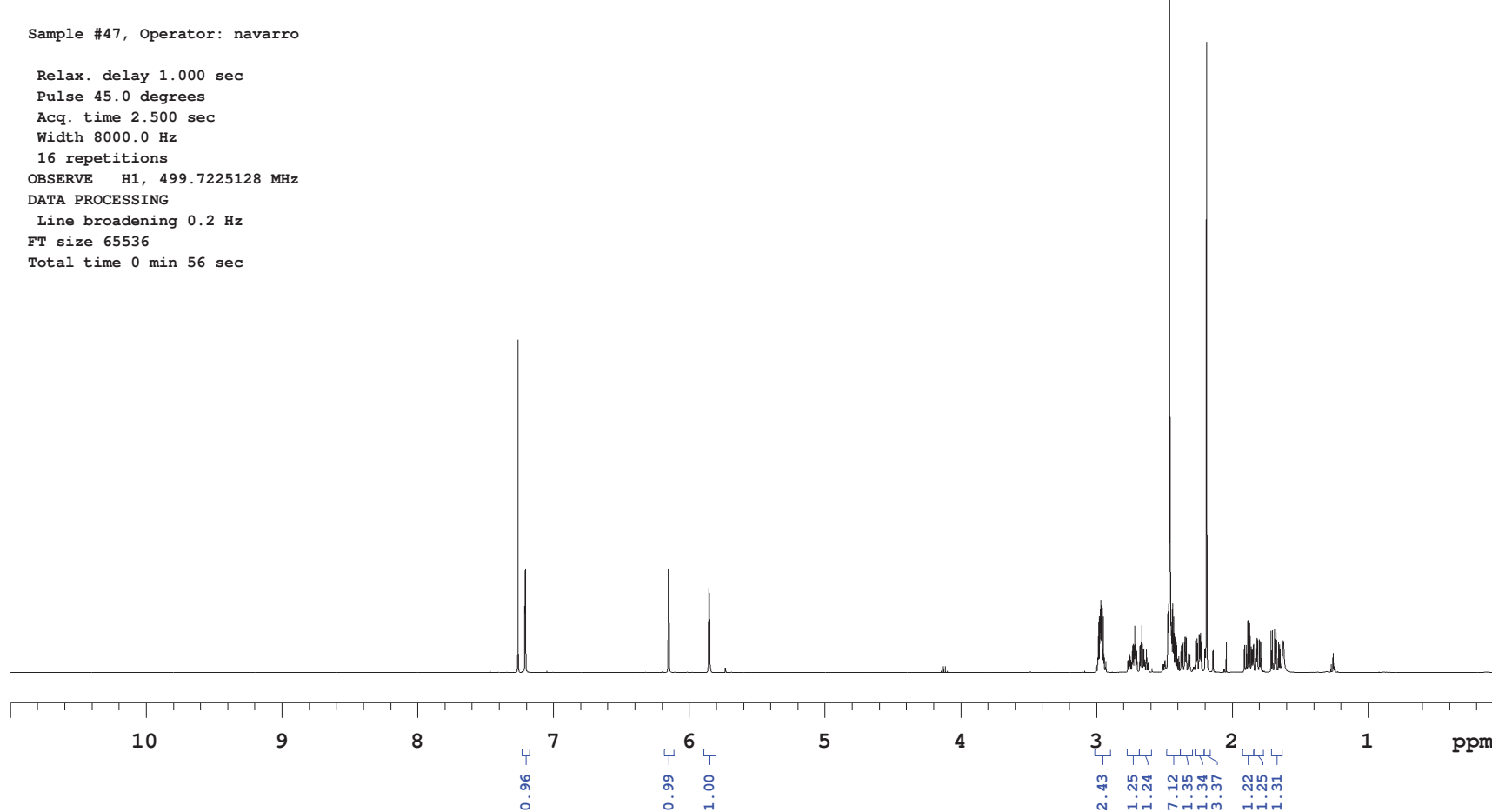
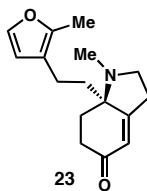
RN-V-88

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 14 2011



RN-V-88
flashed

Sample Name:

RN-V-88

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

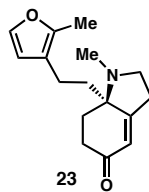
RN-V-88

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Sep 14 2011



Sample #47, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1500 repetitions

OBSERVE C13, 125.6553271 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

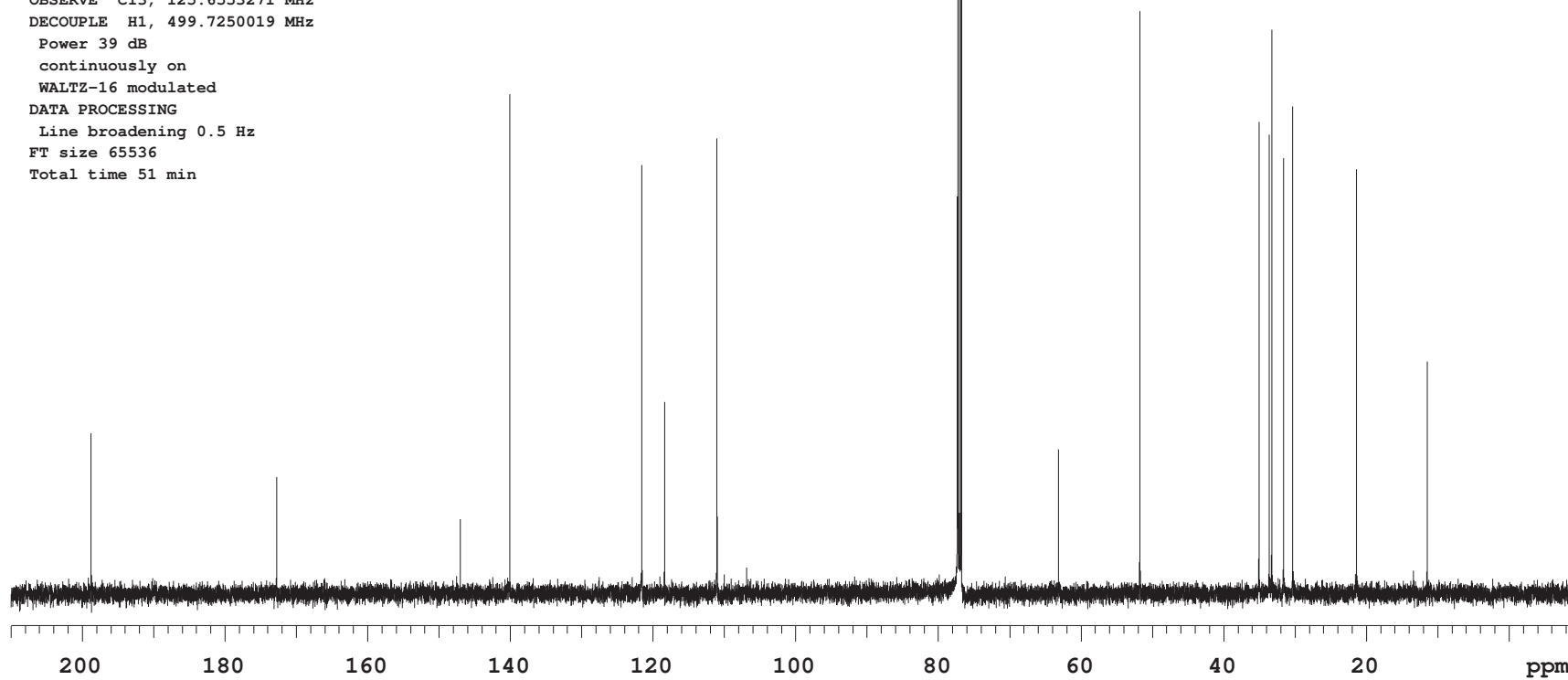
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 51 min



RN-V-89
flashed

Sample Name:

RN-V-89

Data Collected on:

indy.caltech.edu-inova500

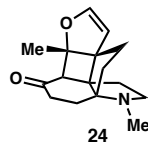
Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

RN-V-89

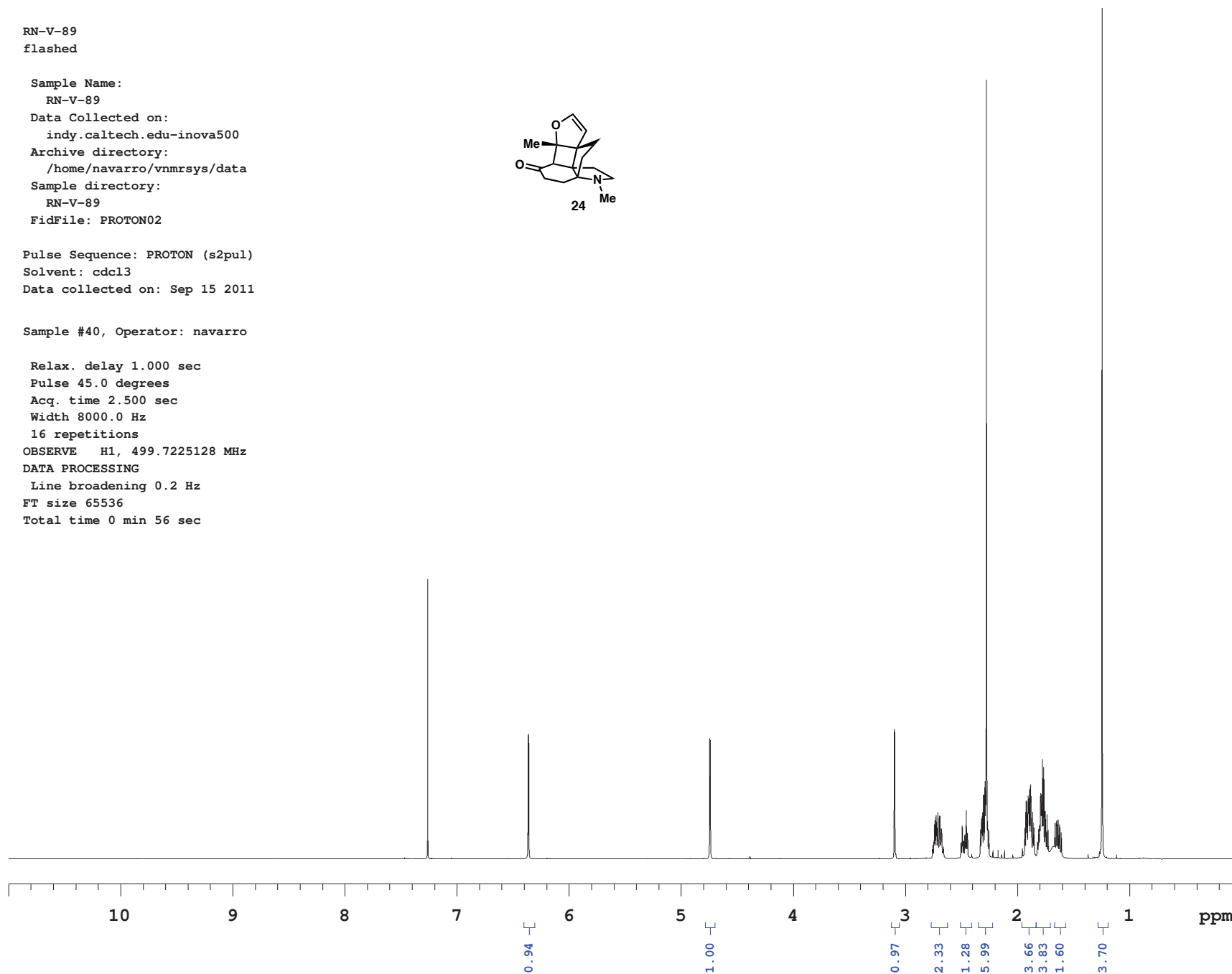
FidFile: PROTON02



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Sep 15 2011

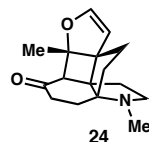
Sample #40, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
16 repetitions
OBSERVE H1, 499.7225128 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min 56 sec



RN-V-89
flashed

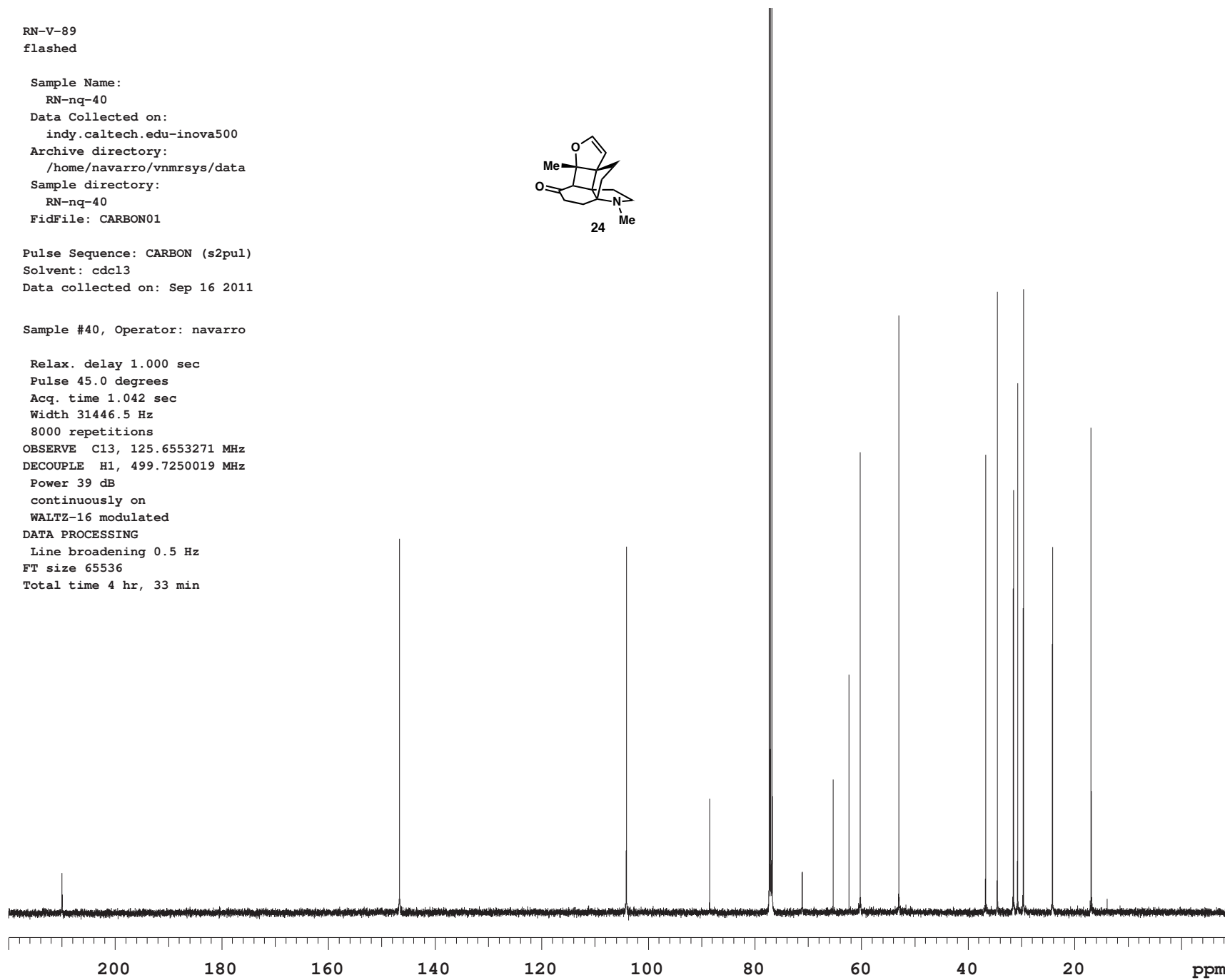
Sample Name:
RN-nq-40
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-nq-40
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Sep 16 2011

Sample #40, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
8000 repetitions
OBSERVE C13, 125.6553271 MHz
DECOUPLE H1, 499.7250019 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 4 hr, 33 min



RN-V-116
flashed

Sample Name:

RN-V-116

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/navarro/vnmrsys/data

Sample directory:

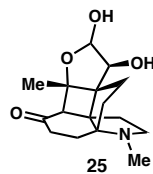
RN-V-116

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 5 2011



Sample #40, Operator: navarro

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

16 repetitions

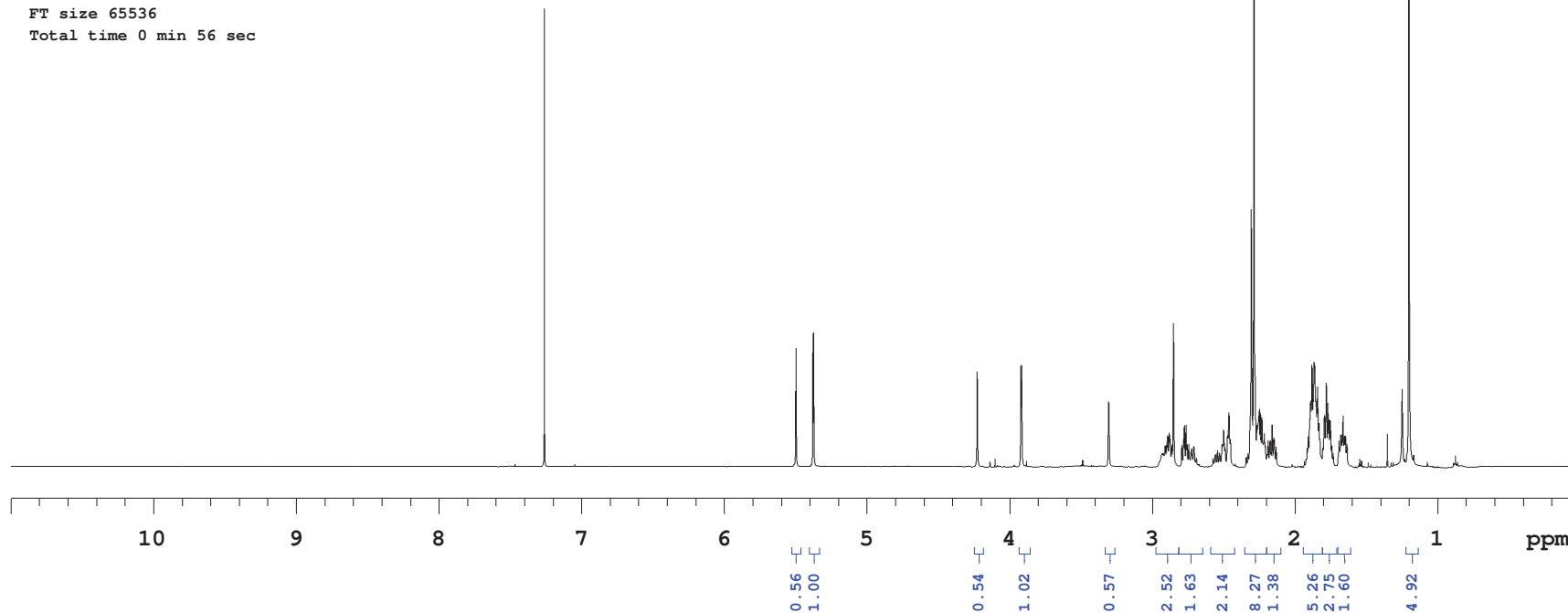
OBSERVE H1, 499.7225128 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

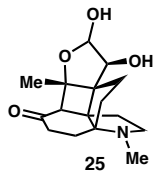
Total time 0 min 56 sec



RN-V-116
flashed

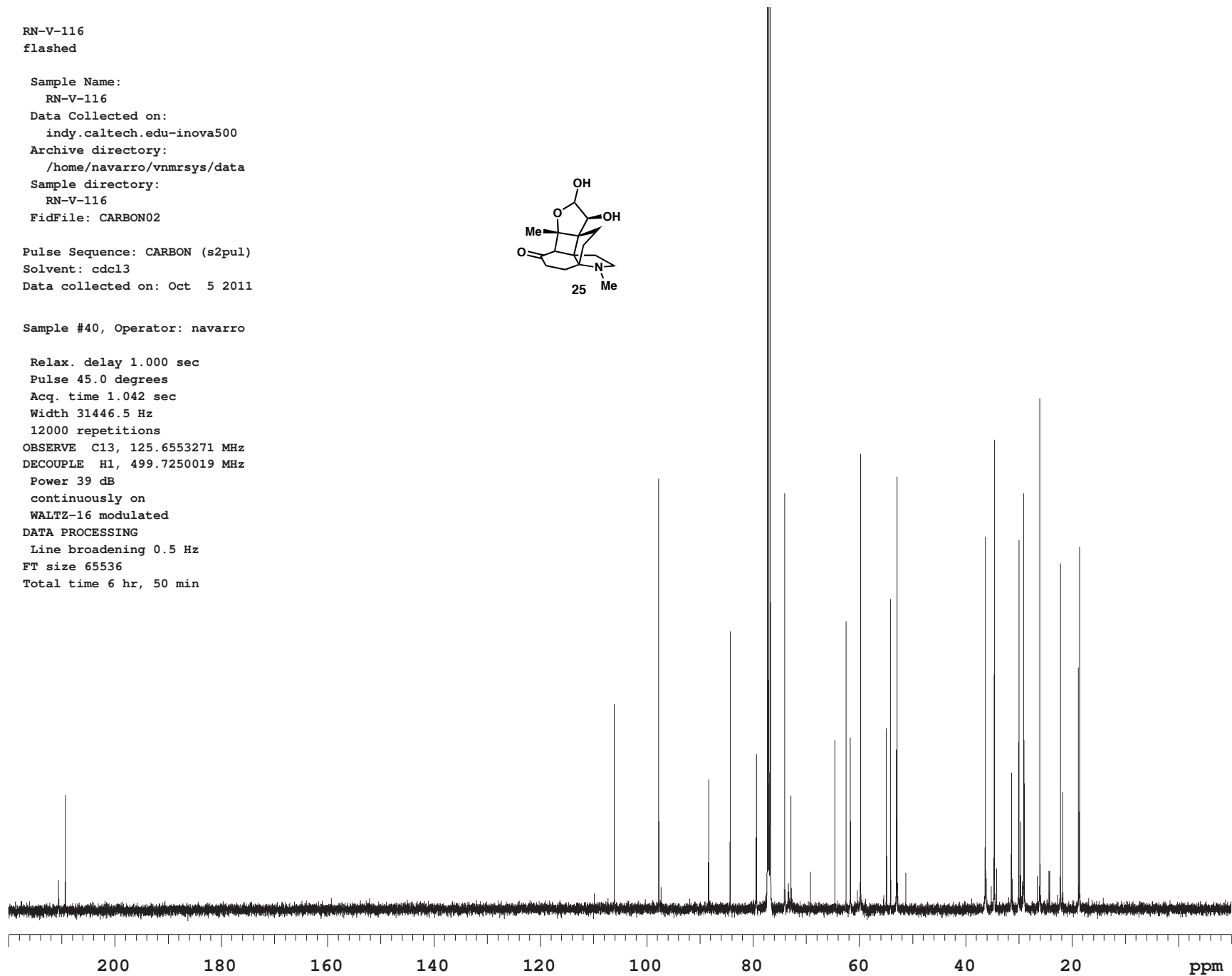
Sample Name:
RN-V-116
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-V-116
FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 5 2011



Sample #40, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
12000 repetitions
OBSERVE C13, 125.6553271 MHz
DECOUPLE H1, 499.7250019 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 6 hr, 50 min



RN-V-116
flashed

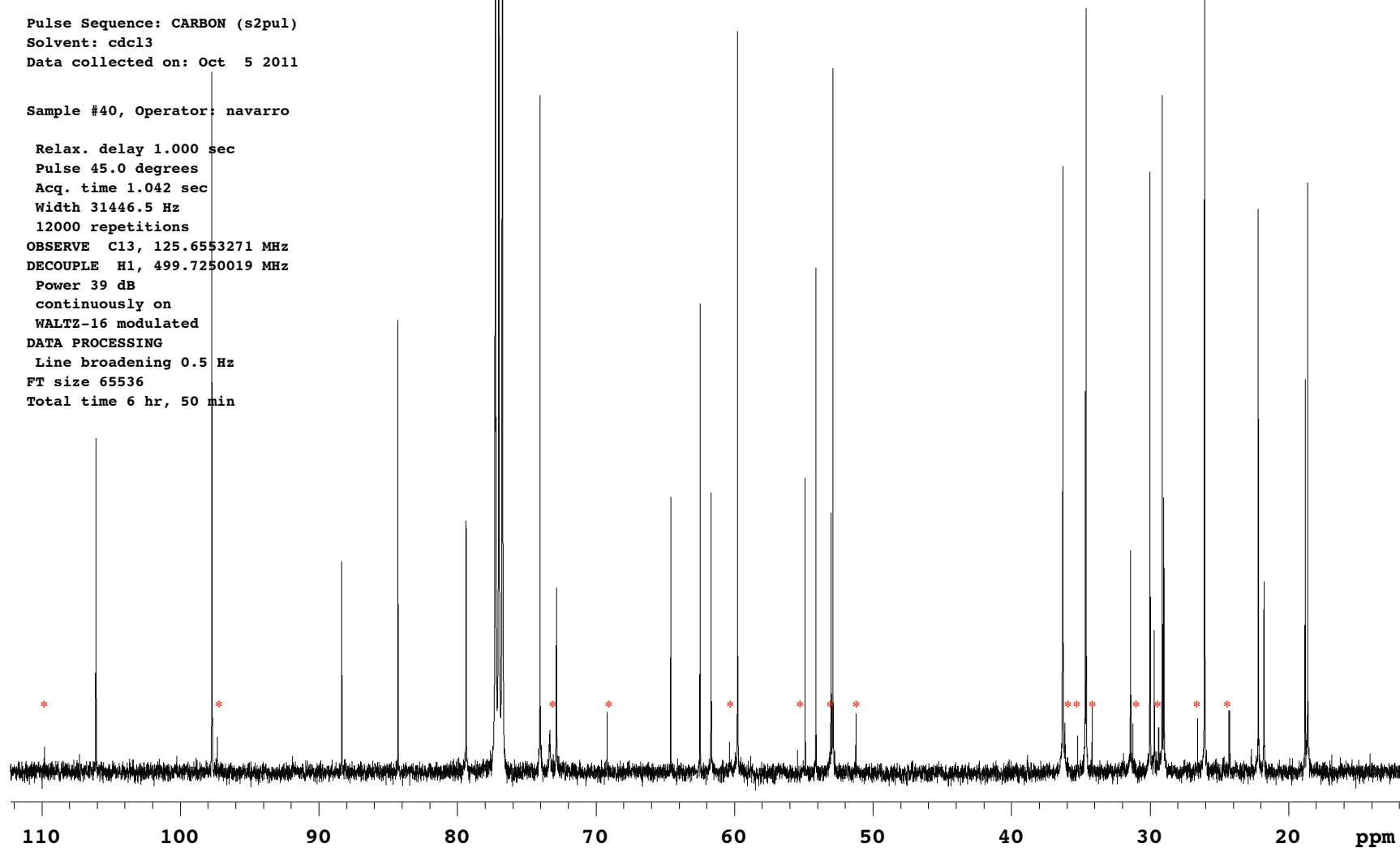
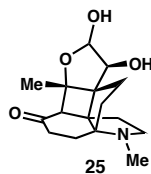
Sample Name:
RN-V-116
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-V-116
FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 5 2011

Sample #40, Operator: navarro

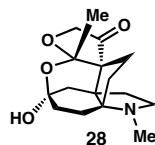
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
12000 repetitions
OBSERVE C13, 125.6553271 MHz
DECOUPLE H1, 499.7250019 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 6 hr, 50 min

an asterisk (*) above a resonance peak indicates signals corresponding to ketal **25**



RN-V-100
flashed

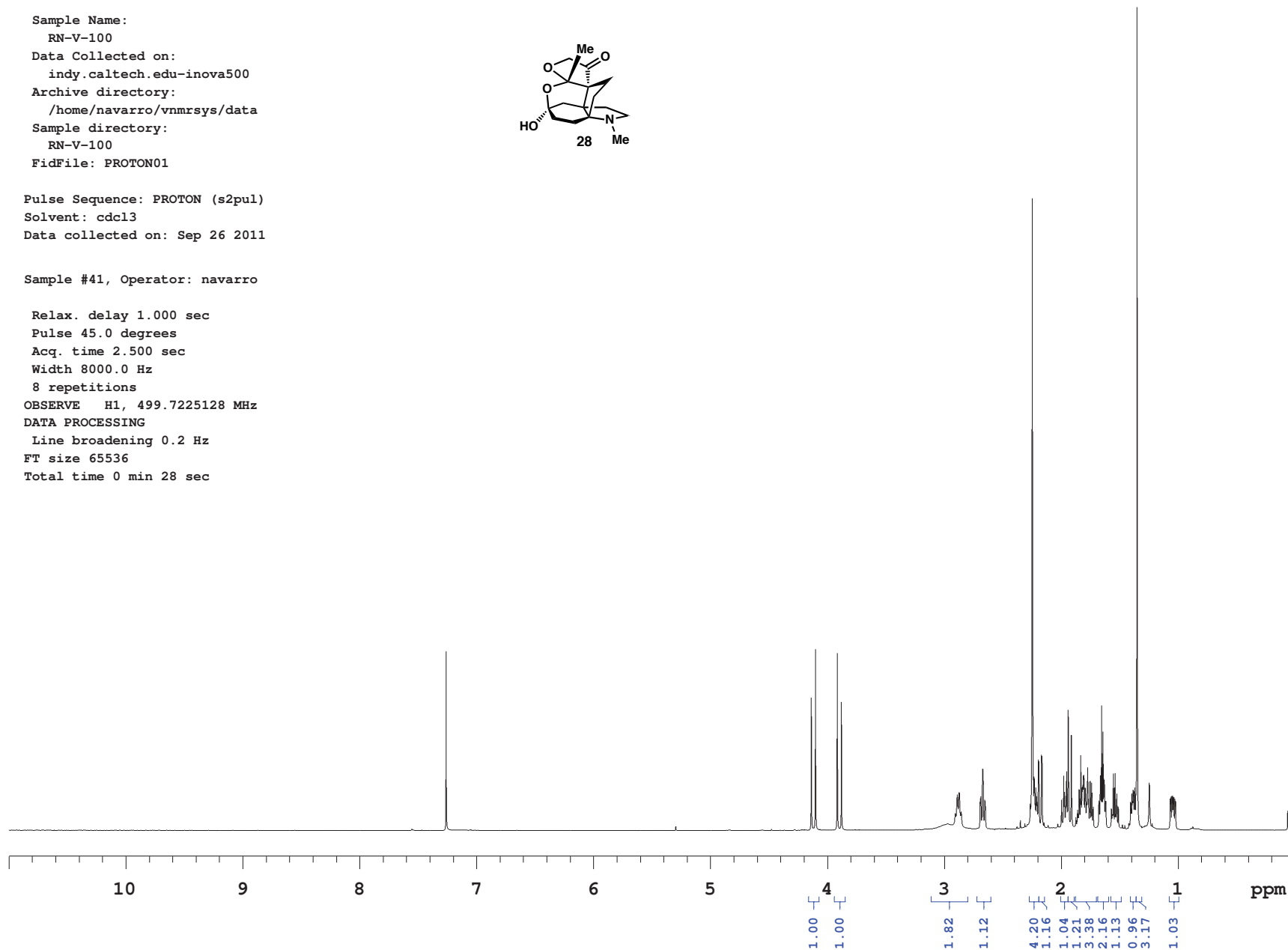
Sample Name:
RN-V-100
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-V-100
FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Sep 26 2011

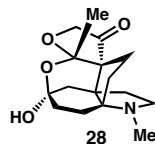
Sample #41, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7225128 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min 28 sec



RN-V-100
flashed

Sample Name:
RN-V-100
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/navarro/vnmrsys/data
Sample directory:
RN-V-100
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Sep 27 2011

Sample #41, Operator: navarro

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
6000 repetitions
OBSERVE C13, 125.6553271 MHz
DECOUPLE H1, 499.7250019 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 3 hr, 25 min

