

Copper-Catalyzed Diastereoselective Arylation of Tryptophan Derivatives: Total Synthesis of (+)-Naseseazines A and B

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Supporting Information 2 (Spectral Data):

KVC15-025

Sample Name:

KVC15-025

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-025

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: dms0

Data collected on: Jan 25 2013

Sample #10, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

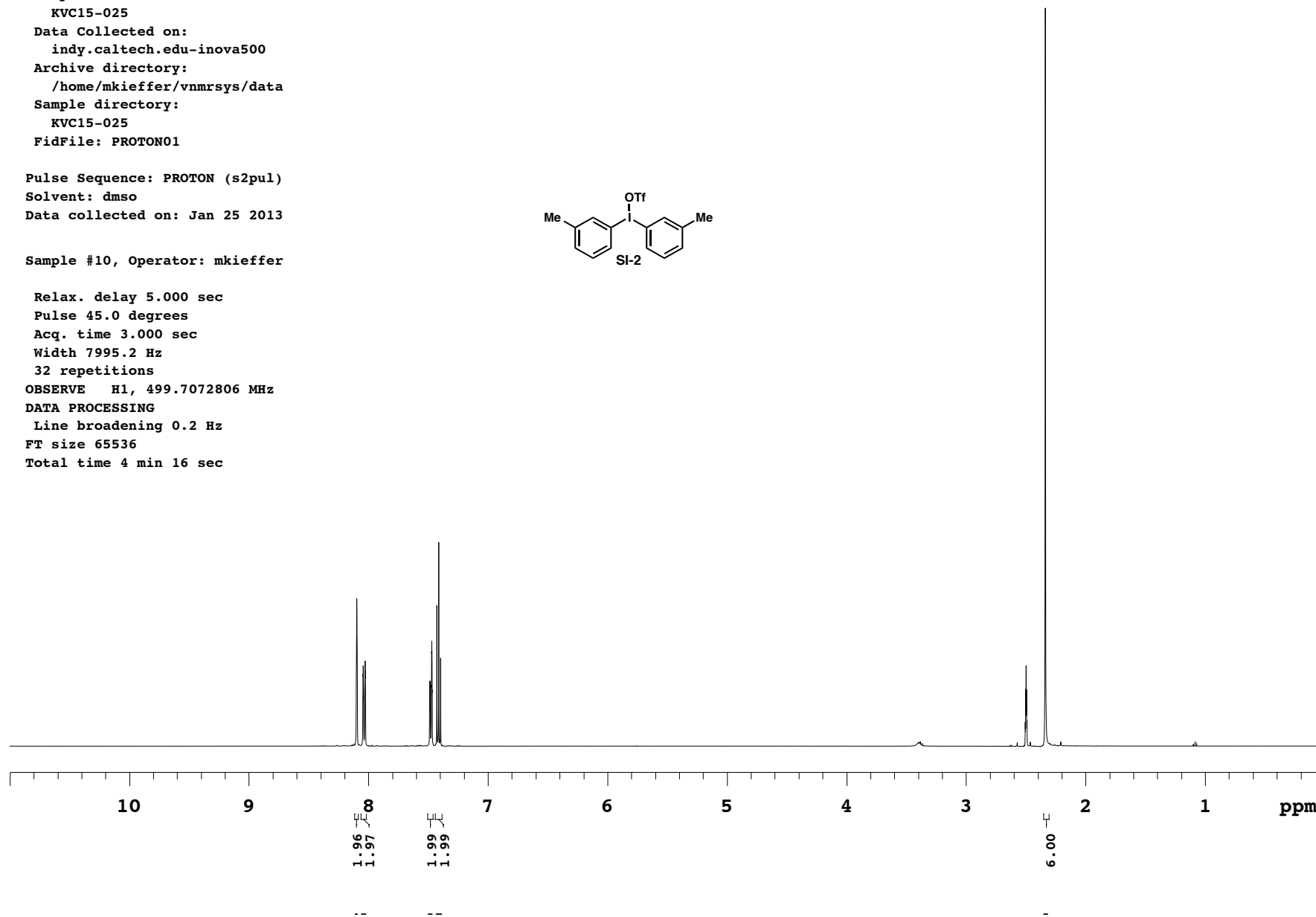
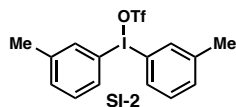
OBSERVE H1, 499.7072806 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



KVC15-025

Sample Name:

KVC15-025

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-025

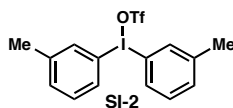
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

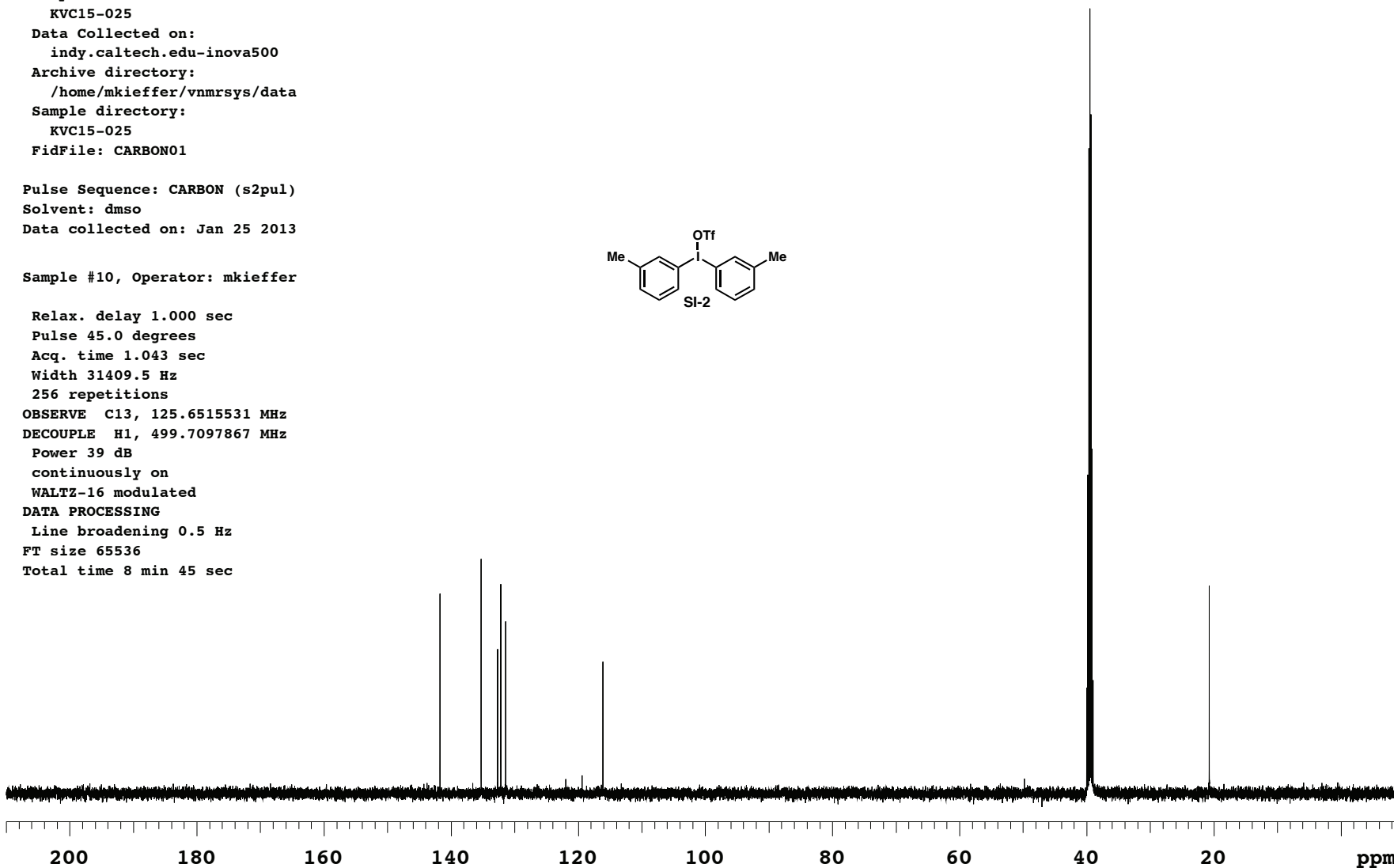
Solvent: dms0

Data collected on: Jan 25 2013

Sample #10, Operator: mkieffer



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31409.5 Hz
256 repetitions
OBSERVE C13, 125.6515531 MHz
DECOUPLE H1, 499.7097867 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 8 min 45 sec



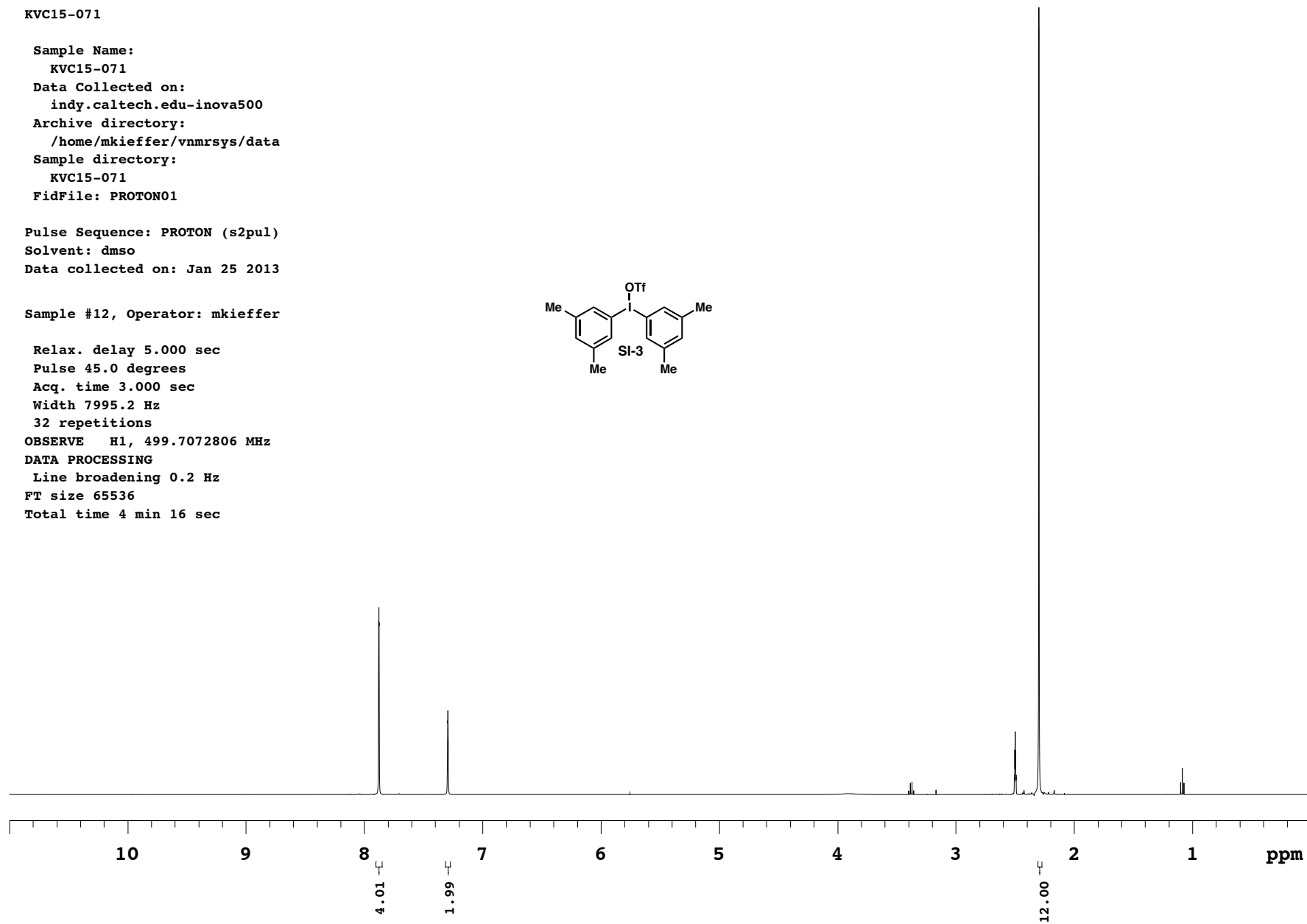
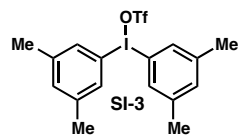
KVC15-071

Sample Name:
KVC15-071
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-071
FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)
Solvent: dms0
Data collected on: Jan 25 2013

Sample #12, Operator: mkieffer

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7072806 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec



KVC15-071

Sample Name:

KVC15-071

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-071

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: dms0

Data collected on: Jan 25 2013

Sample #12, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

256 repetitions

OBSERVE C13, 125.6515531 MHz

DECOUPLE H1, 499.7097867 MHz

Power 39 dB

continuously on

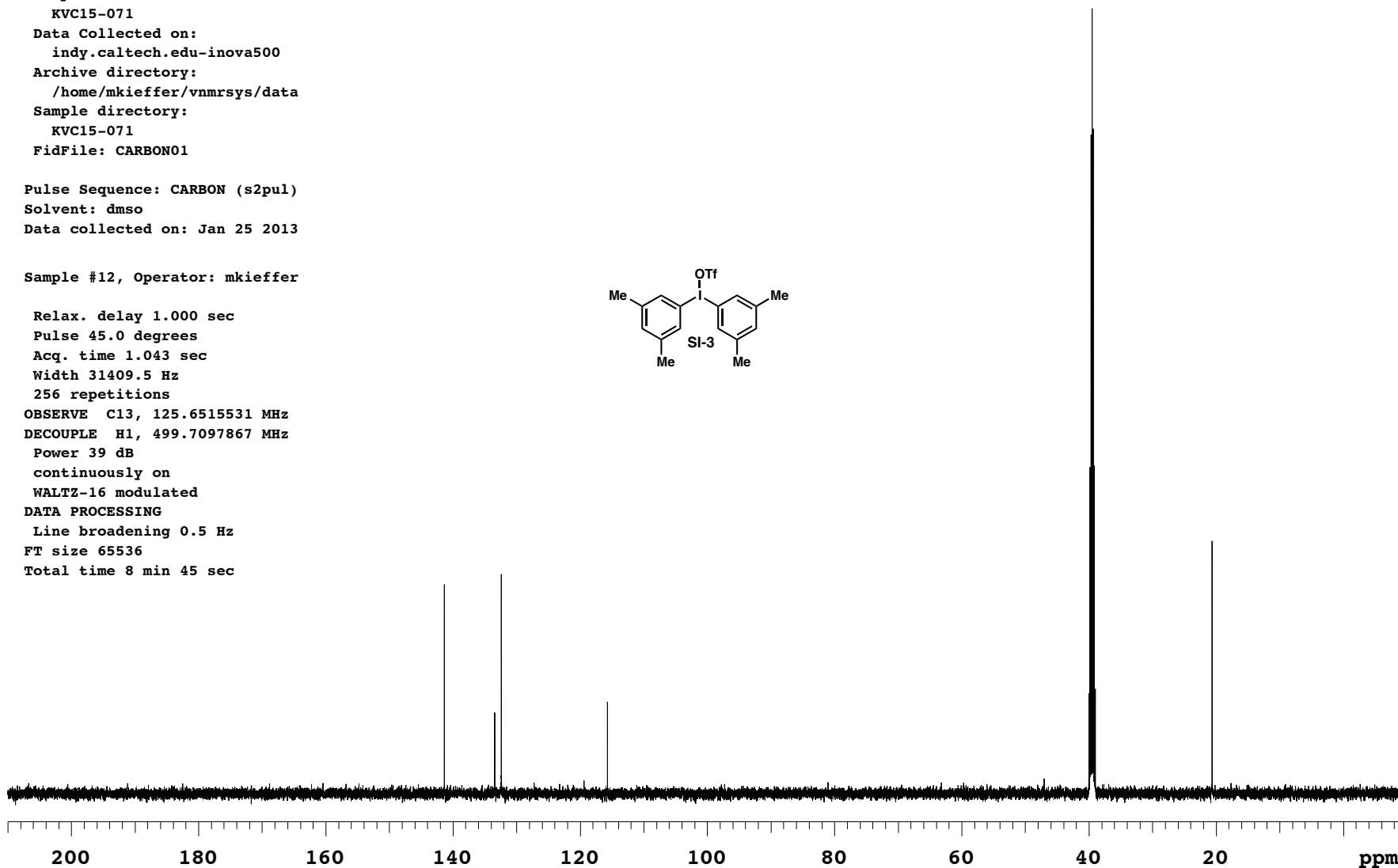
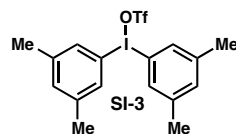
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 8 min 45 sec



KVC15-029

Sample Name:

KVC15-029

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-029

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: dmso

Data collected on: Jan 25 2013

Sample #11, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

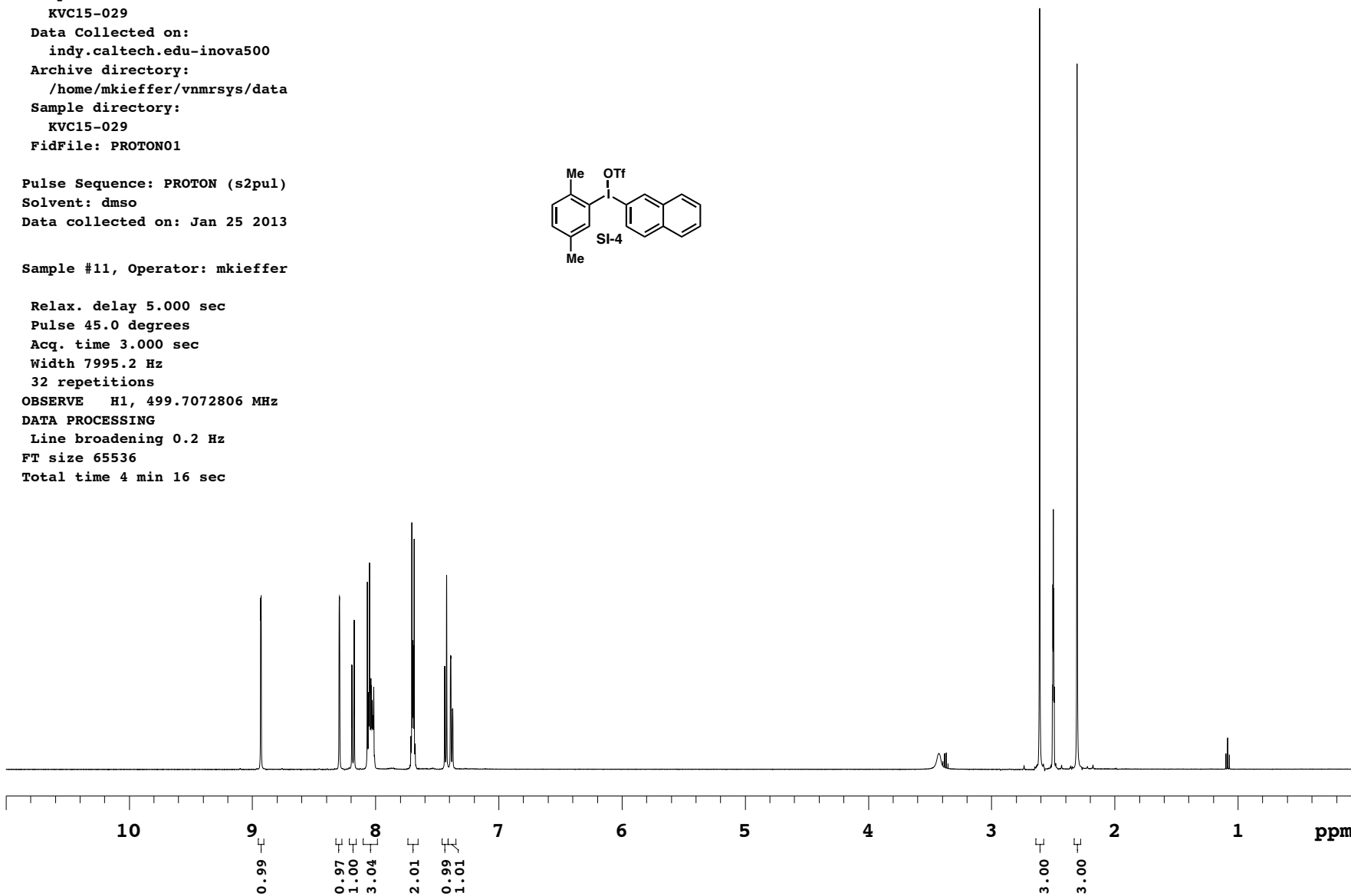
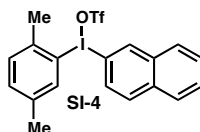
OBSERVE H1, 499.7072806 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



KVC15-029

Sample Name:

KVC15-029

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

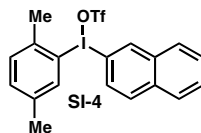
KVC15-029

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: dms0

Data collected on: Jan 25 2013



Sample #11, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

256 repetitions

OBSERVE C13, 125.6515531 MHz

DECOUPLE H1, 499.7097867 MHz

Power 39 dB

continuously on

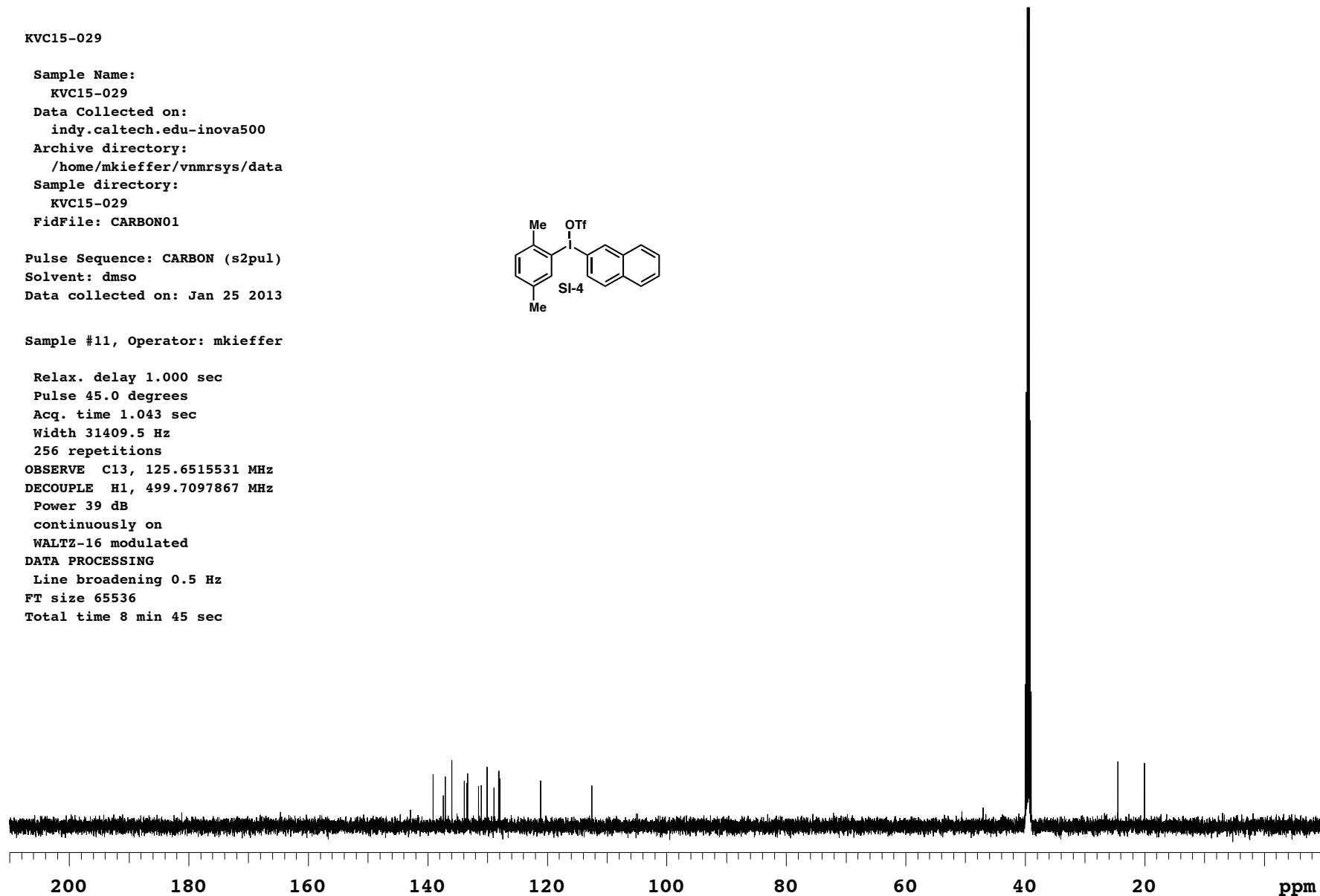
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 8 min 45 sec



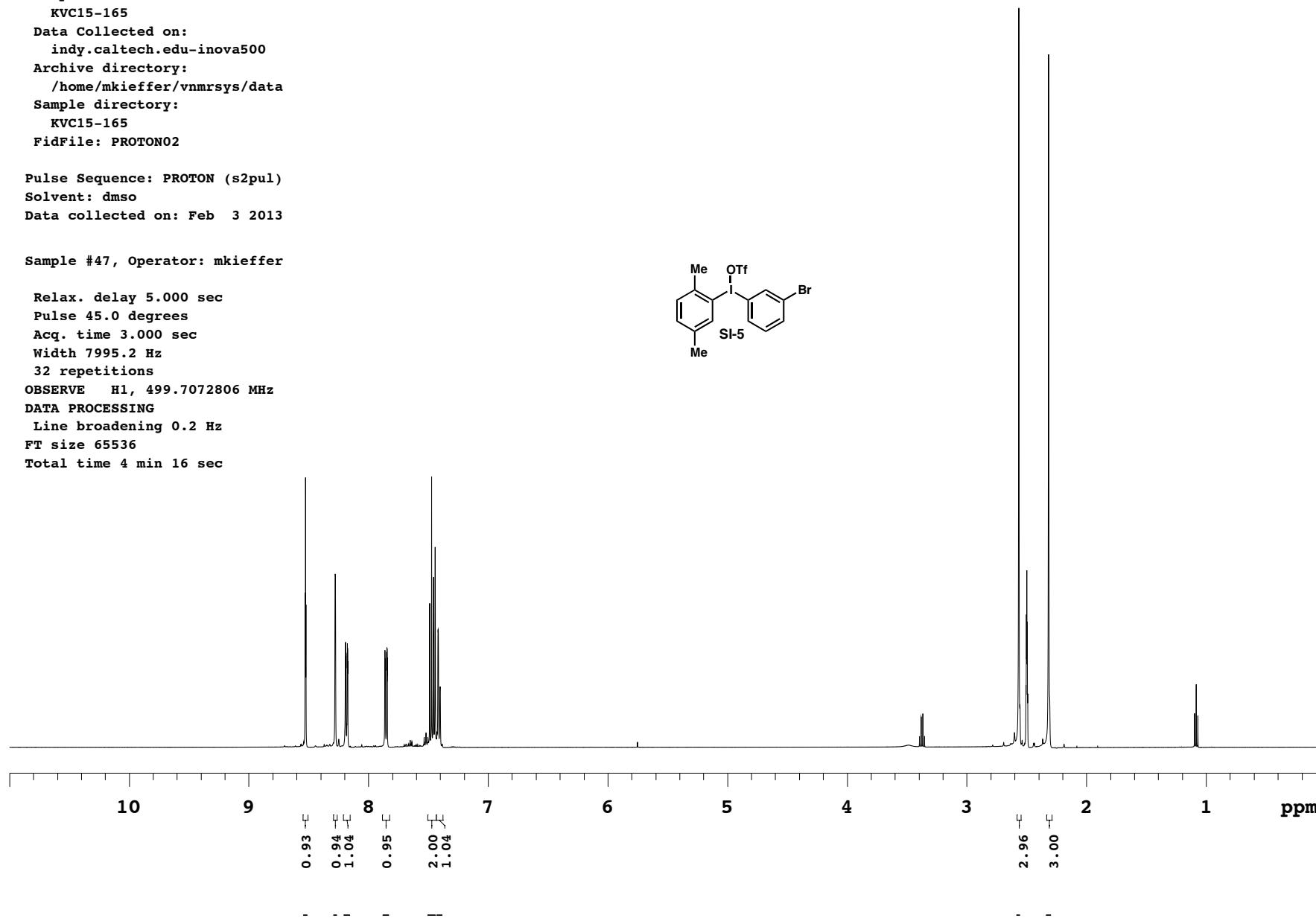
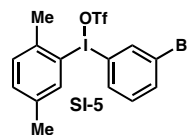
KVC15-165

Sample Name:
KVC15-165
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-165
FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)
Solvent: dmso
Data collected on: Feb 3 2013

Sample #47, Operator: mkieffer

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7072806 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec



KVC15-165

Sample Name:

KVC15-165

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-165

FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)

Solvent: dms0

Data collected on: Feb 3 2013

Sample #47, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6515531 MHz

DECOUPLE H1, 499.7097867 MHz

Power 39 dB

continuously on

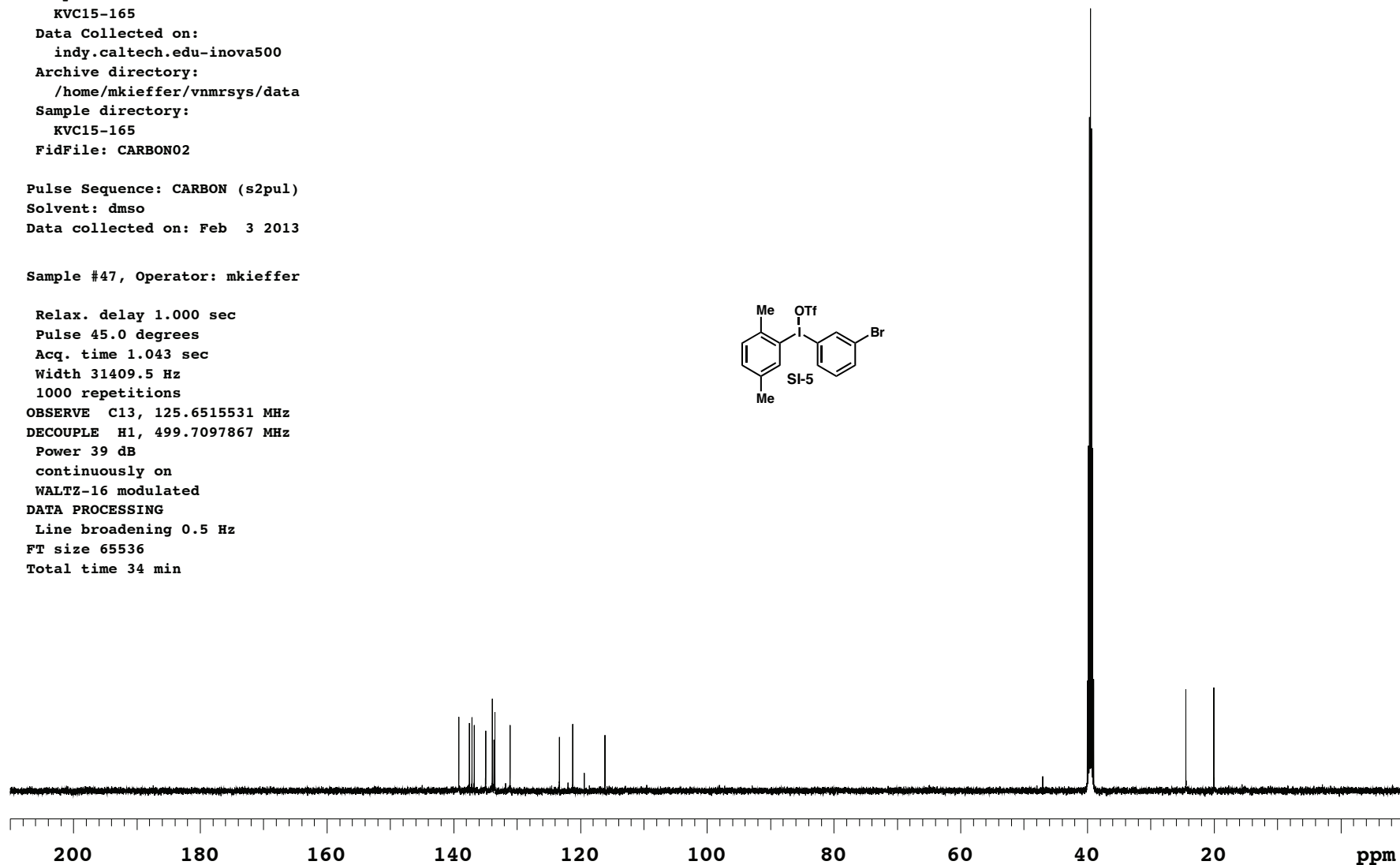
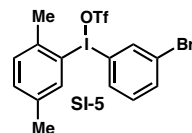
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



MEK5047-1

Sample Name:

MEK5047-1

Data Collected on:

indy.caltech.edu-inova500

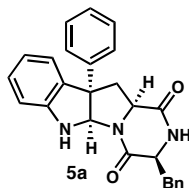
Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

MEK5047-1

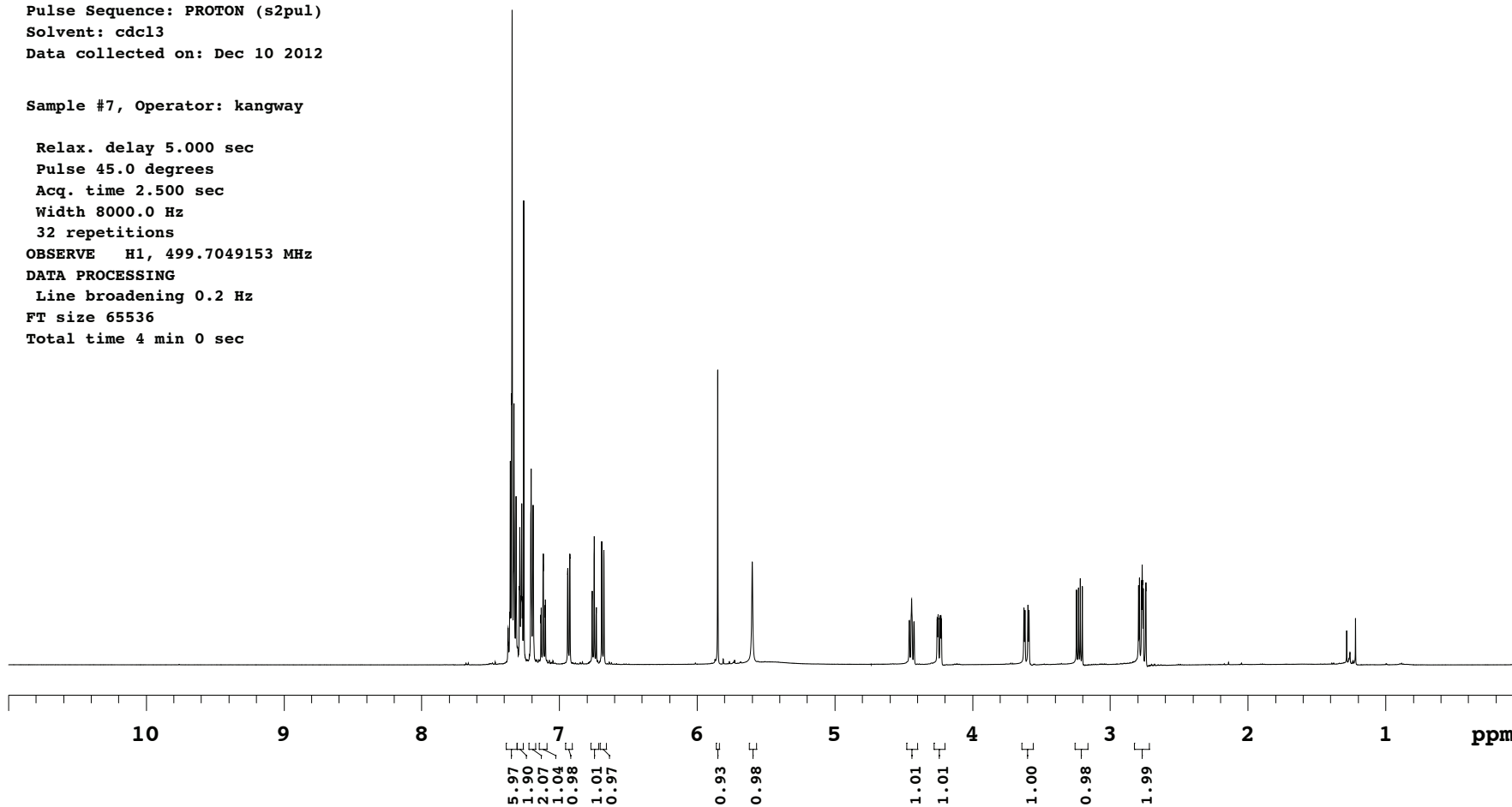
FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Dec 10 2012

Sample #7, Operator: kangway

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049153 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 0 sec



MEK5047-1

Sample Name:

MEK5047-1

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

MEK5047-1

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 10 2012

Sample #7, Operator: kangway

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1000 repetitions

OBSERVE C13, 125.6509042 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

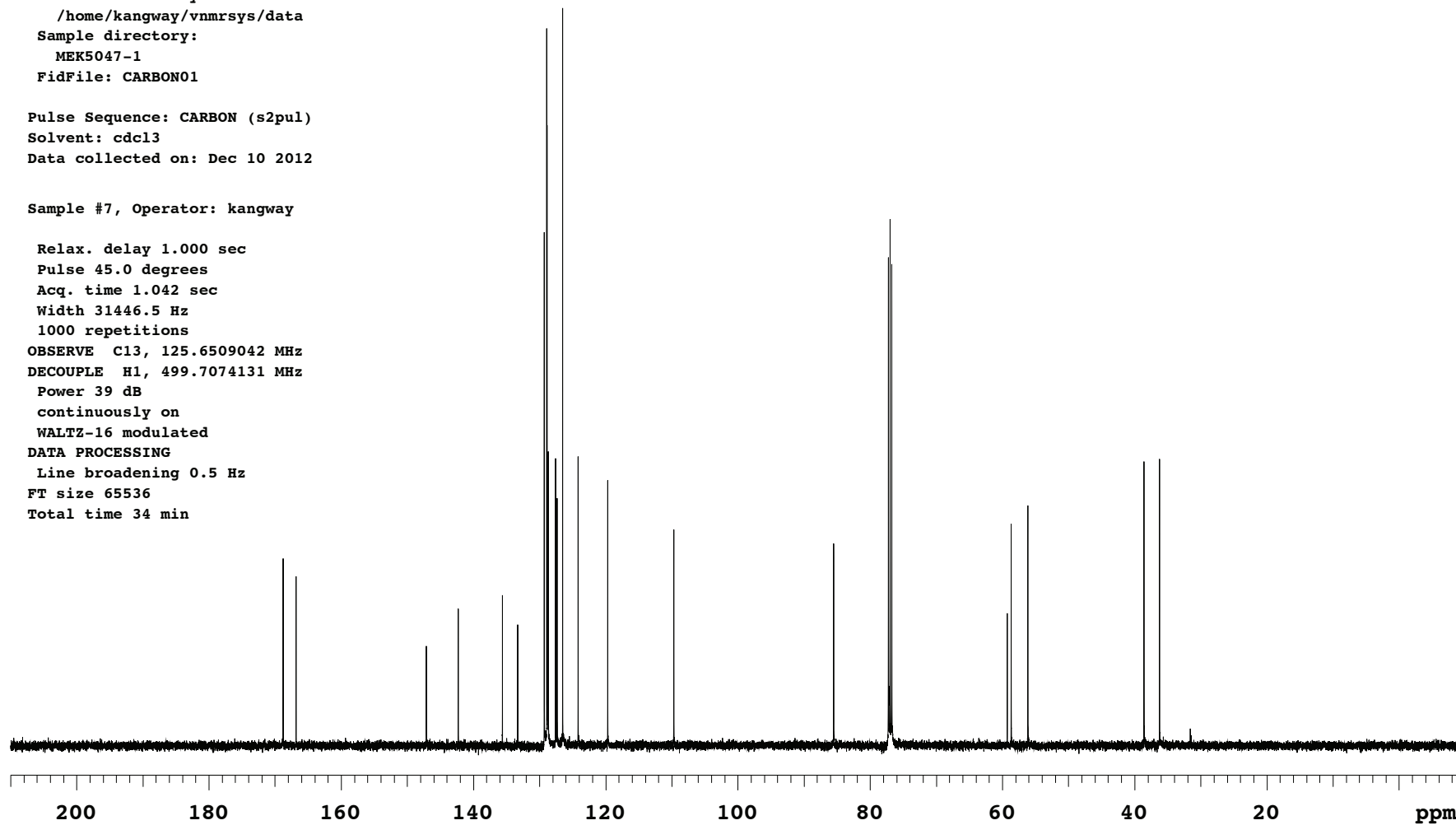
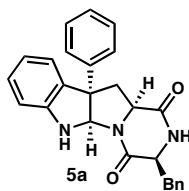
WALTZ-16 modulated

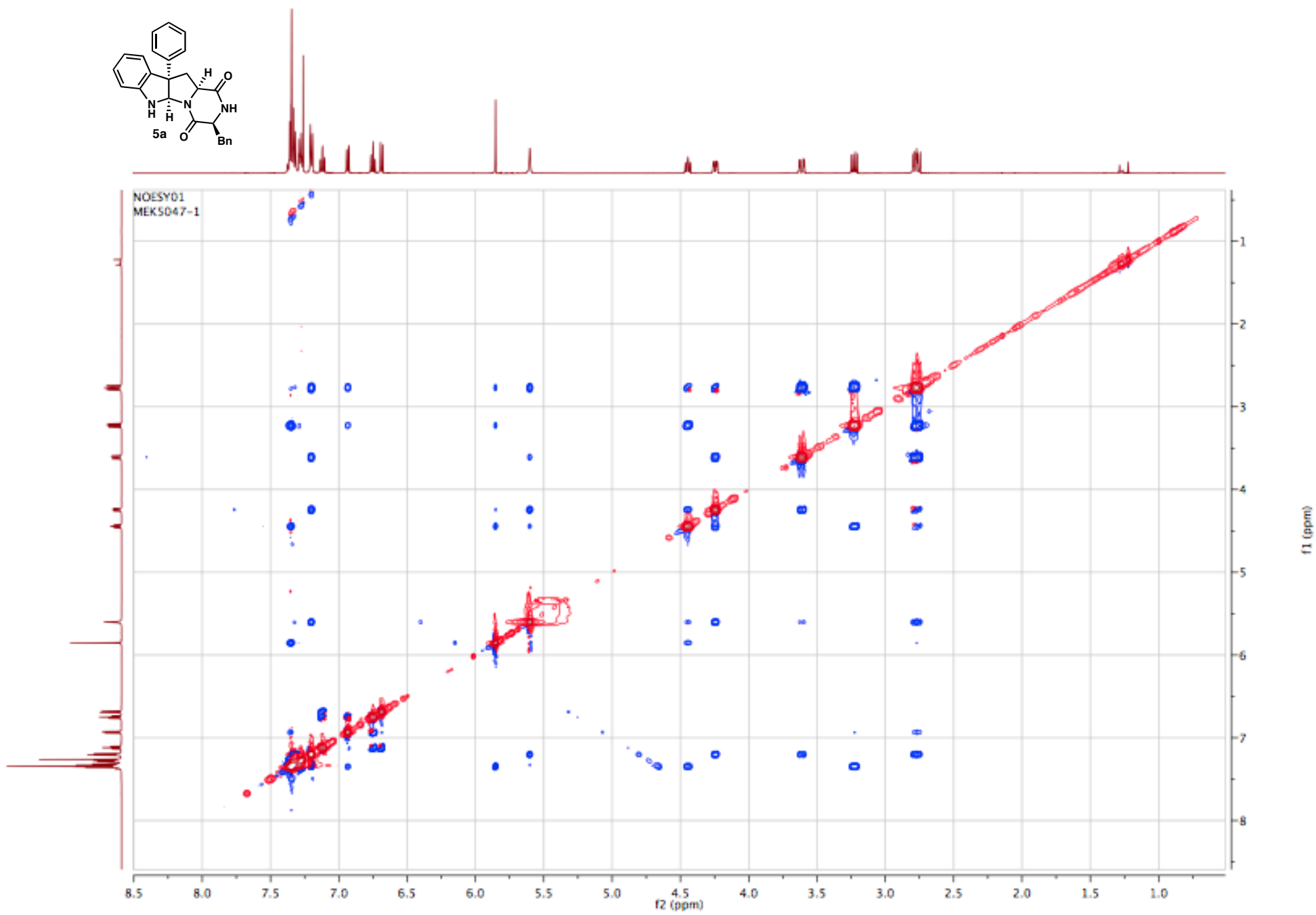
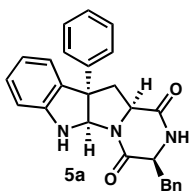
DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min





MEK5049-1

Sample Name:

MEK5049-1

Data Collected on:

indy.caltech.edu-inova500

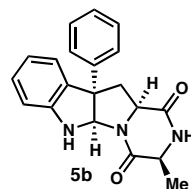
Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

MEK5049-1

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Dec 11 2012

Sample #9, Operator: kangway

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

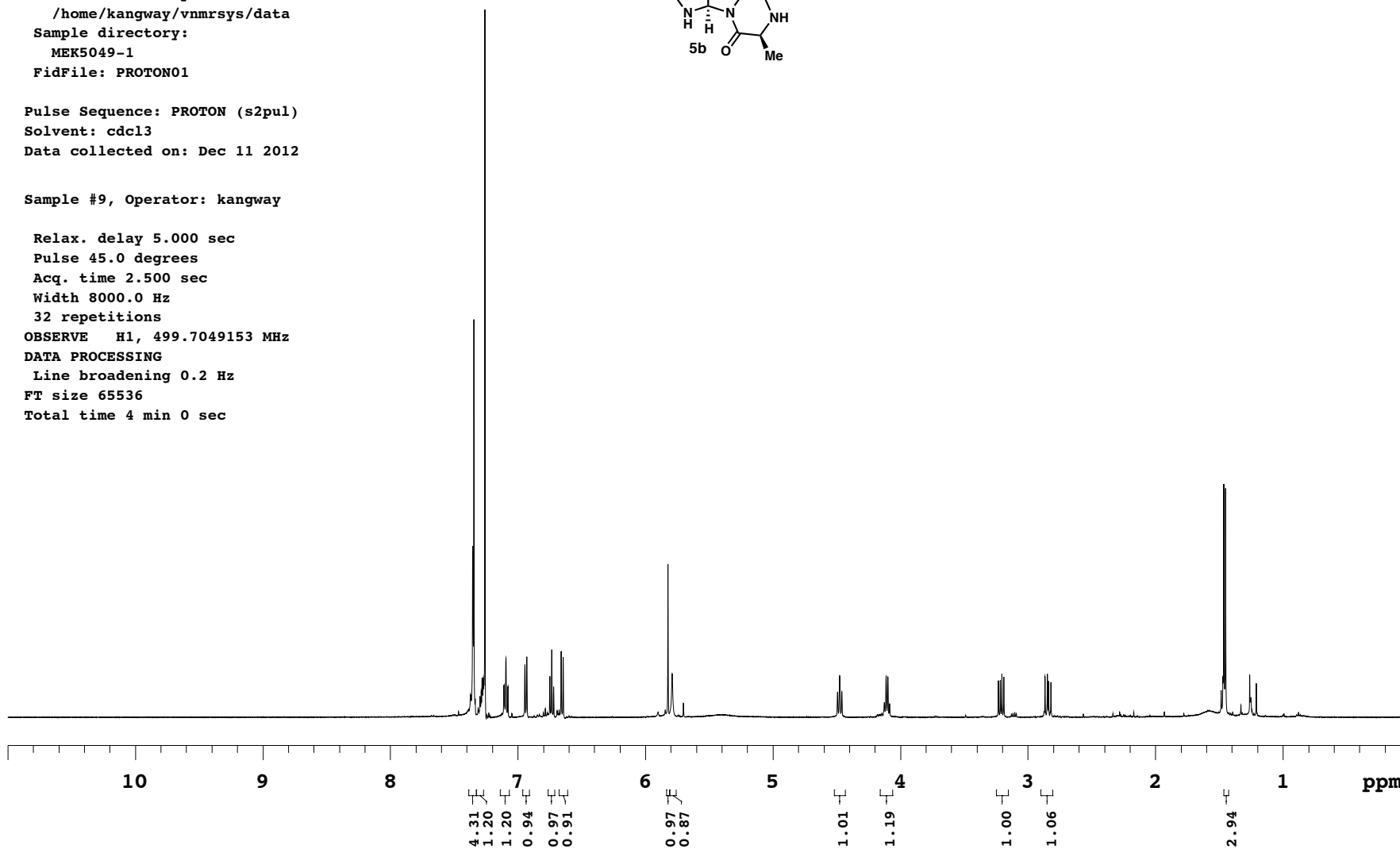
OBSERVE H1, 499.7049153 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 0 sec



MEK5049-1

Sample Name:

MEK5049-1

Data Collected on:

indy.caltech.edu-inova500

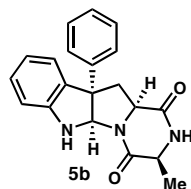
Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

MEK5049-1

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 11 2012

Sample #9, Operator: kangway

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

2000 repetitions

OBSERVE C13, 125.6509011 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

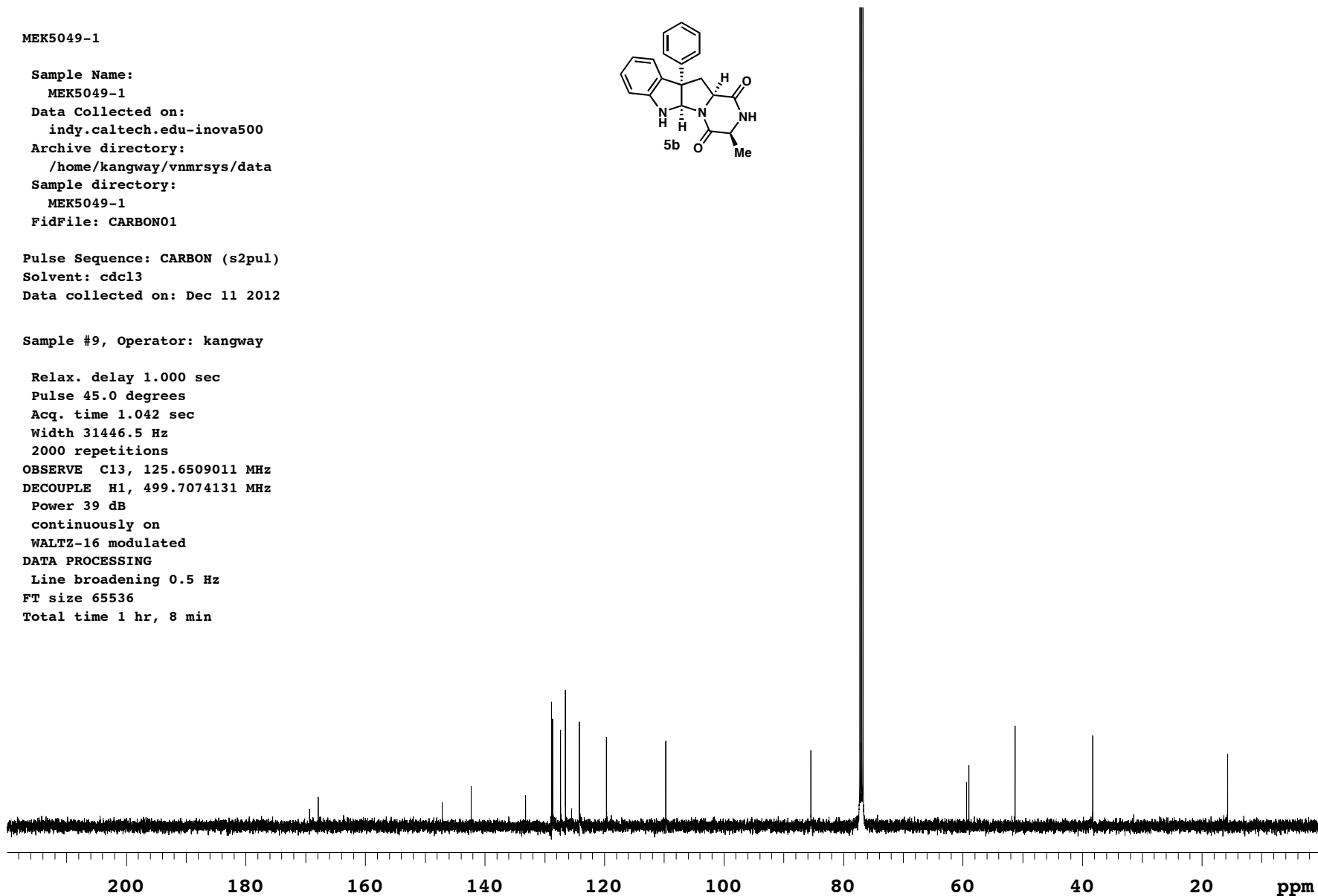
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 1 hr, 8 min



MEK5105

Sample Name:

MEK5105

Data Collected on:

indy.caltech.edu-inova500

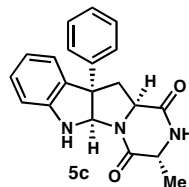
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

MEK5105

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 23 2013

Sample #37, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

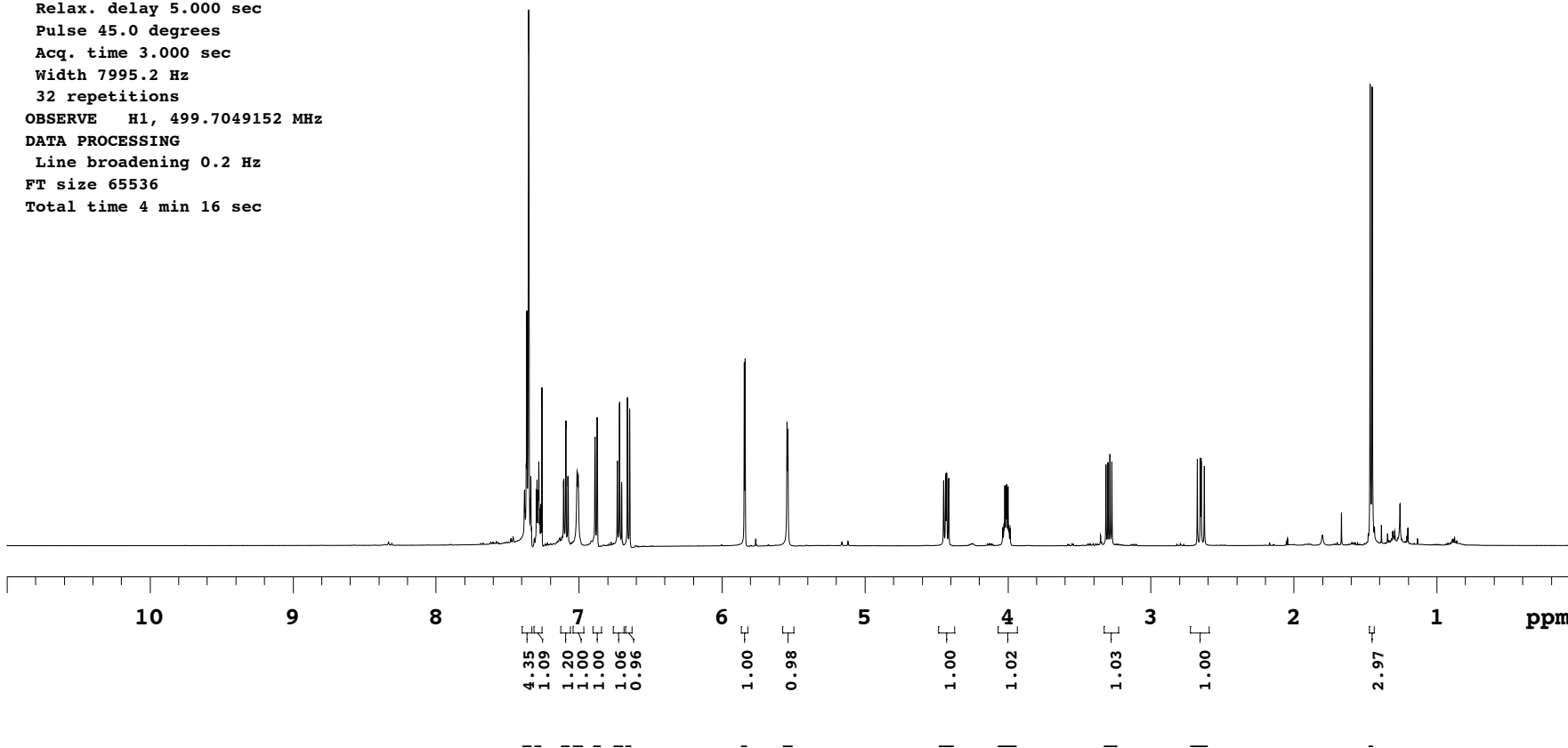
OBSERVE H1, 499.7049152 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



MEK5105

Sample Name:

MEK5105

Data Collected on:

indy.caltech.edu-inova500

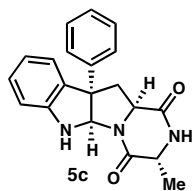
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

MEK5105

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 23 2013

Sample #37, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509063 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

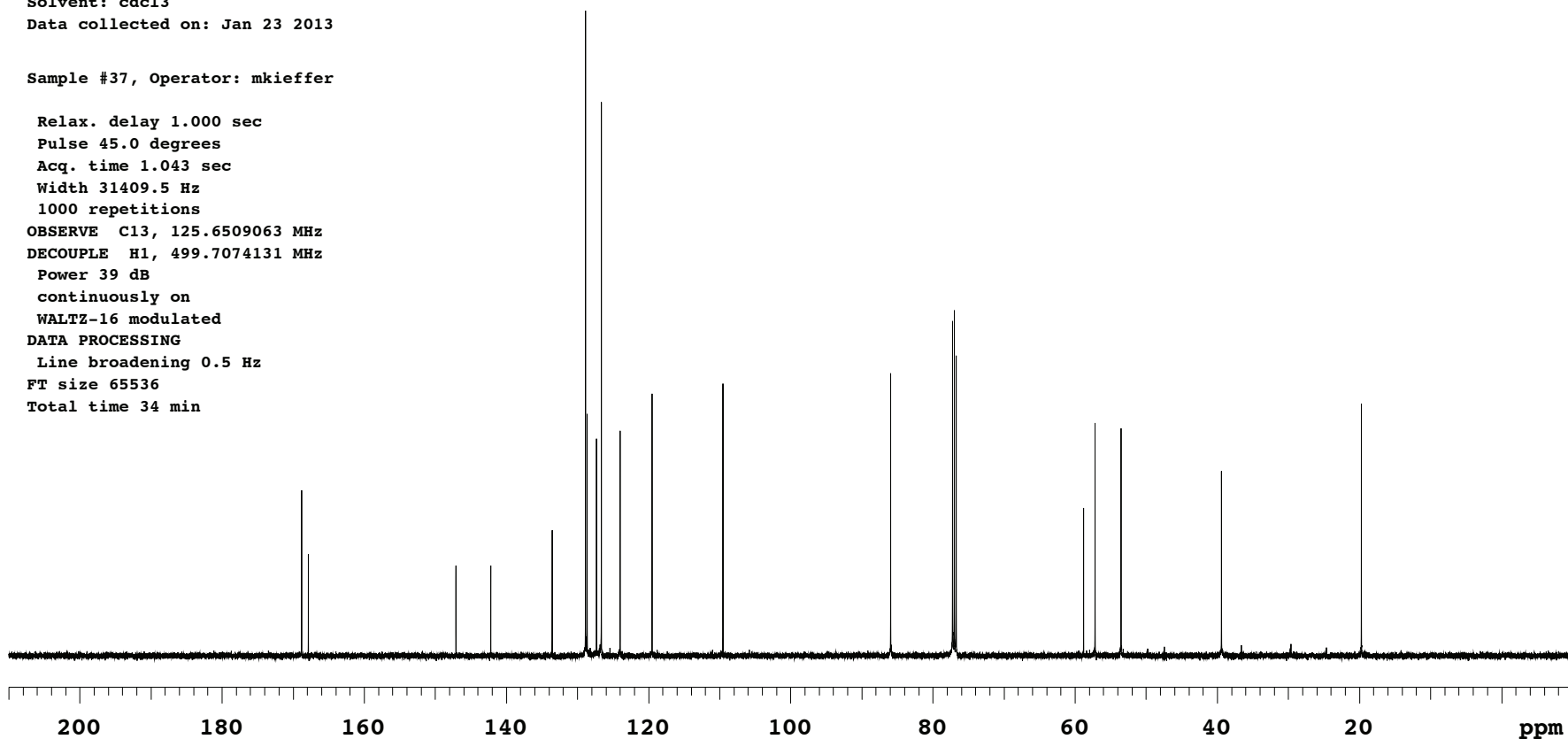
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



MEK5048-1

Sample Name:

MEK5048-1

Data Collected on:

indy.caltech.edu-inova500

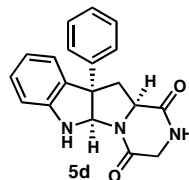
Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

MEK5048-1

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Dec 11 2012

Sample #8, Operator: kangway

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

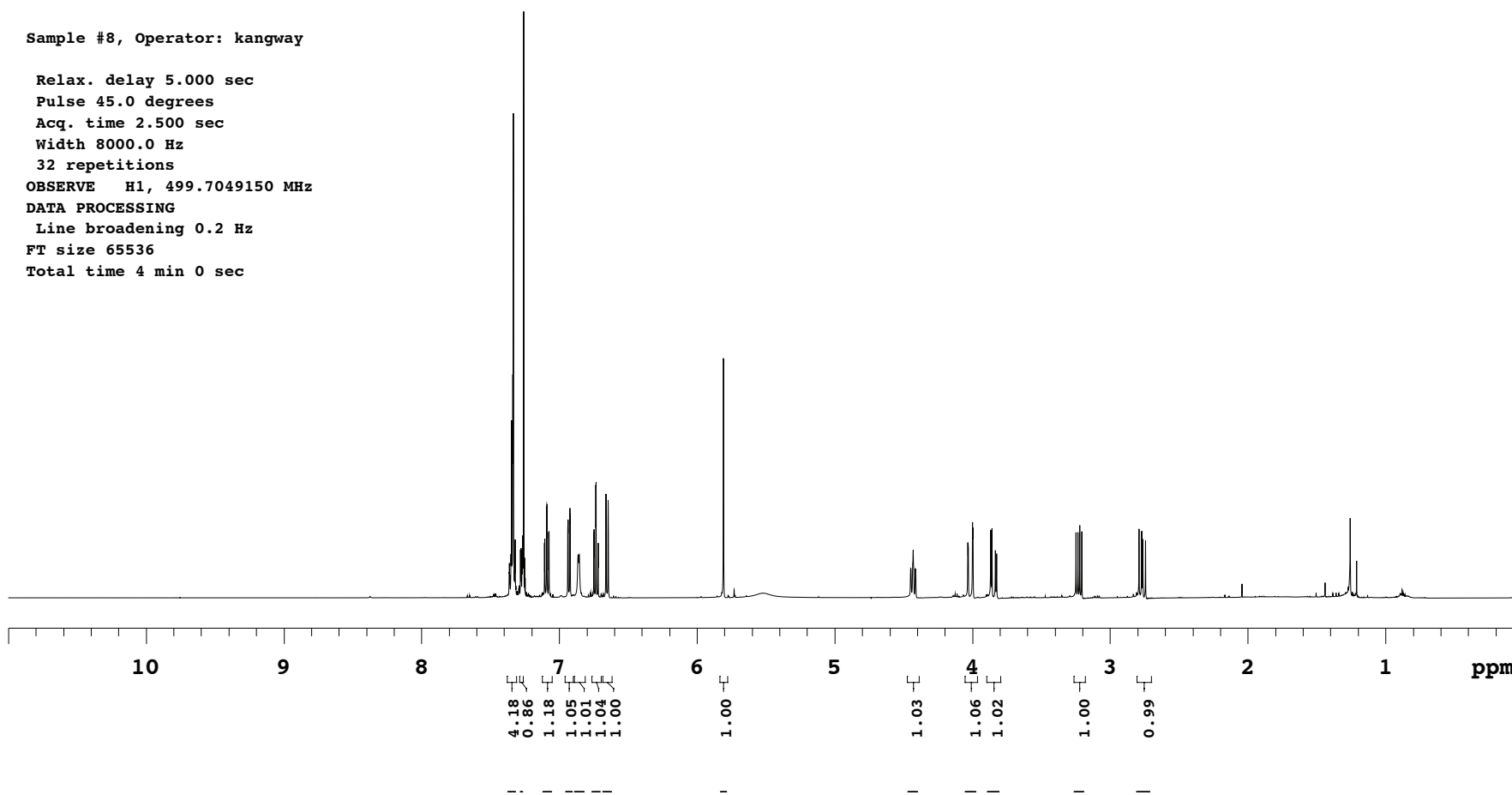
OBSERVE H1, 499.7049150 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 0 sec



MEK5048-1

Sample Name:

MEK5048-1

Data Collected on:

indy.caltech.edu-inova500

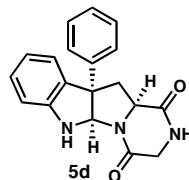
Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

MEK5048-1

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 11 2012

Sample #8, Operator: kangway

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1500 repetitions

OBSERVE C13, 125.6509051 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

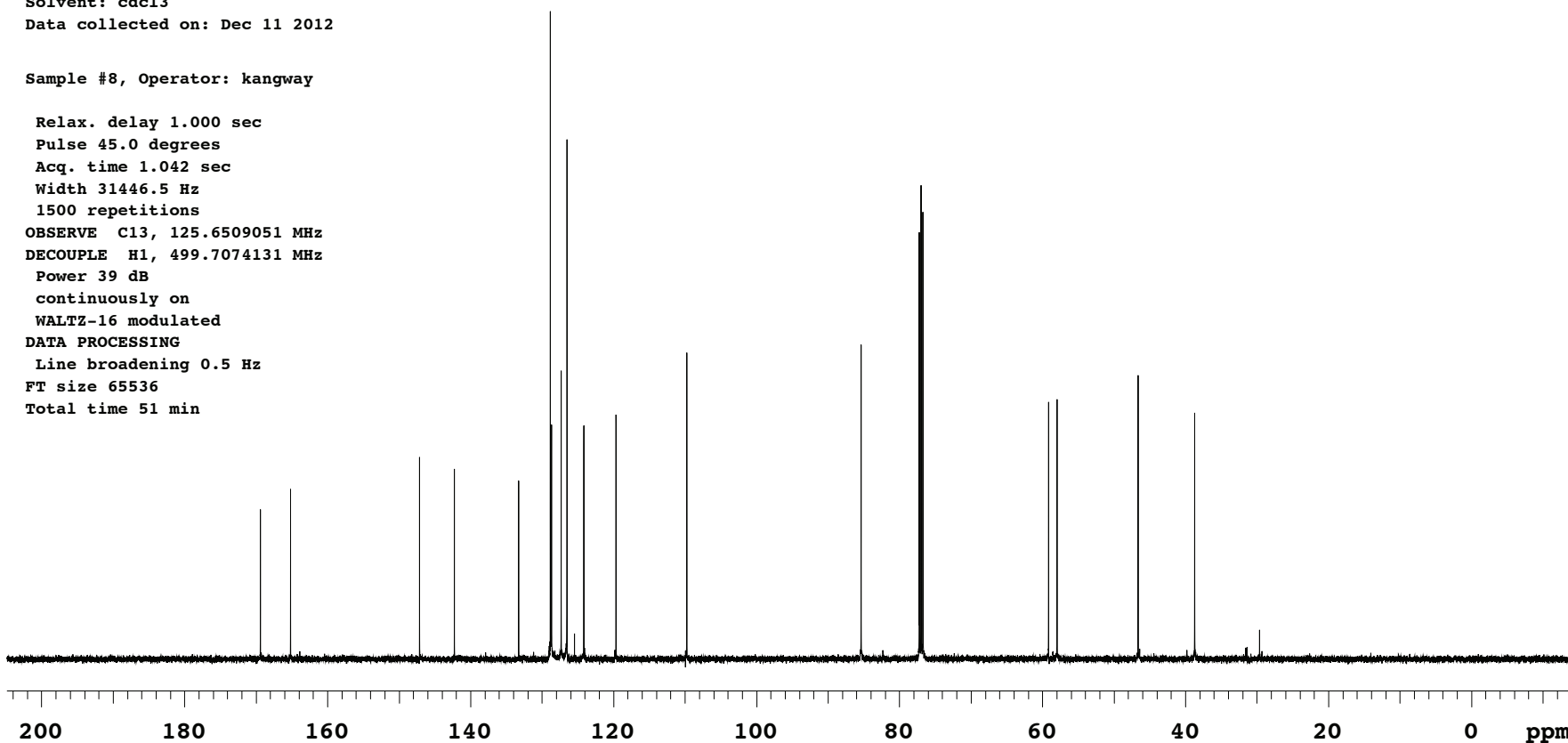
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 51 min



MEK5104

Sample Name:

MEK5104

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

MEK5104

FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 27 2013

Sample #11, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

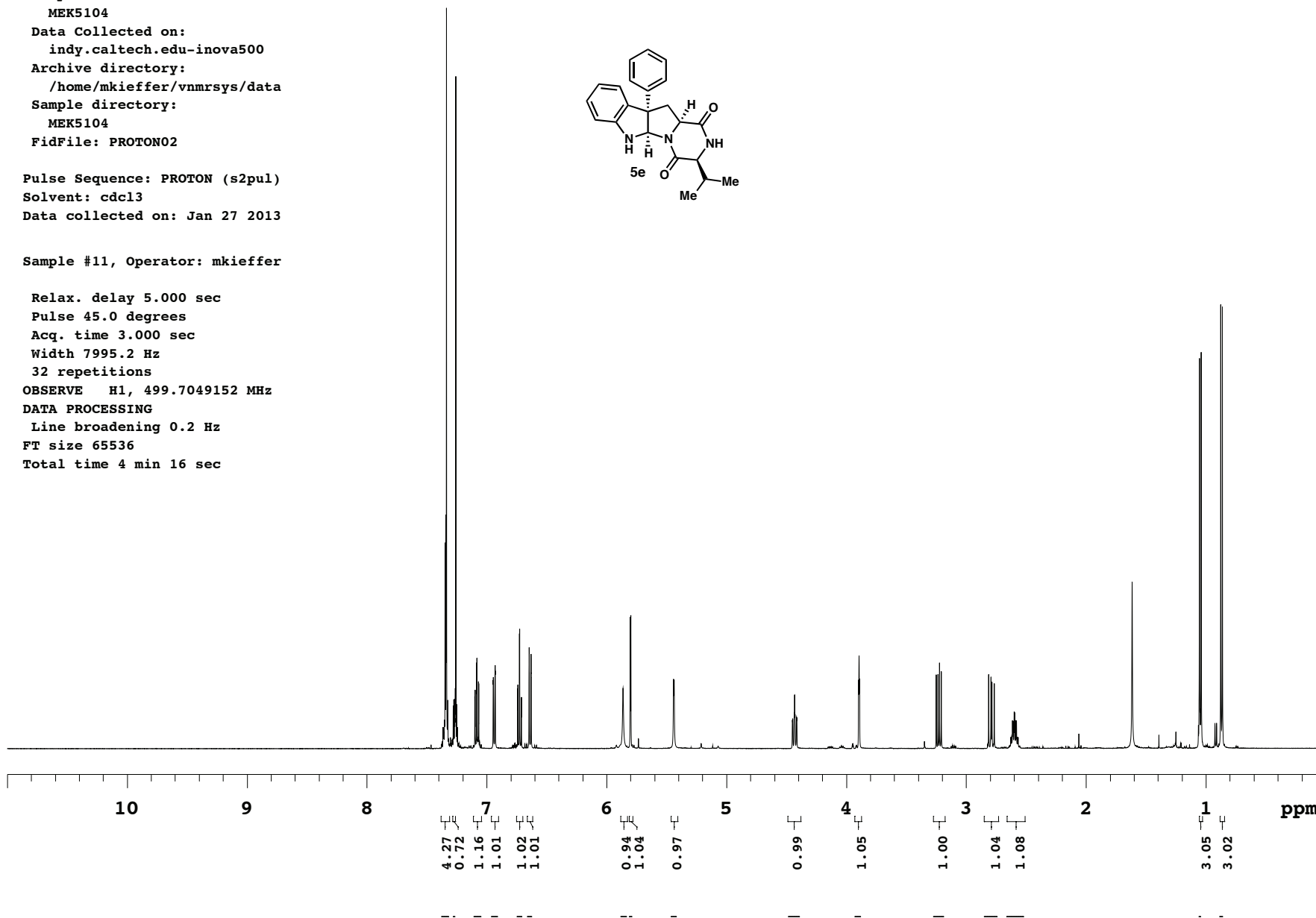
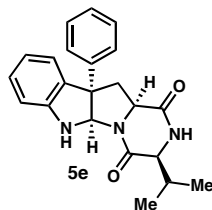
OBSERVE H1, 499.7049152 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



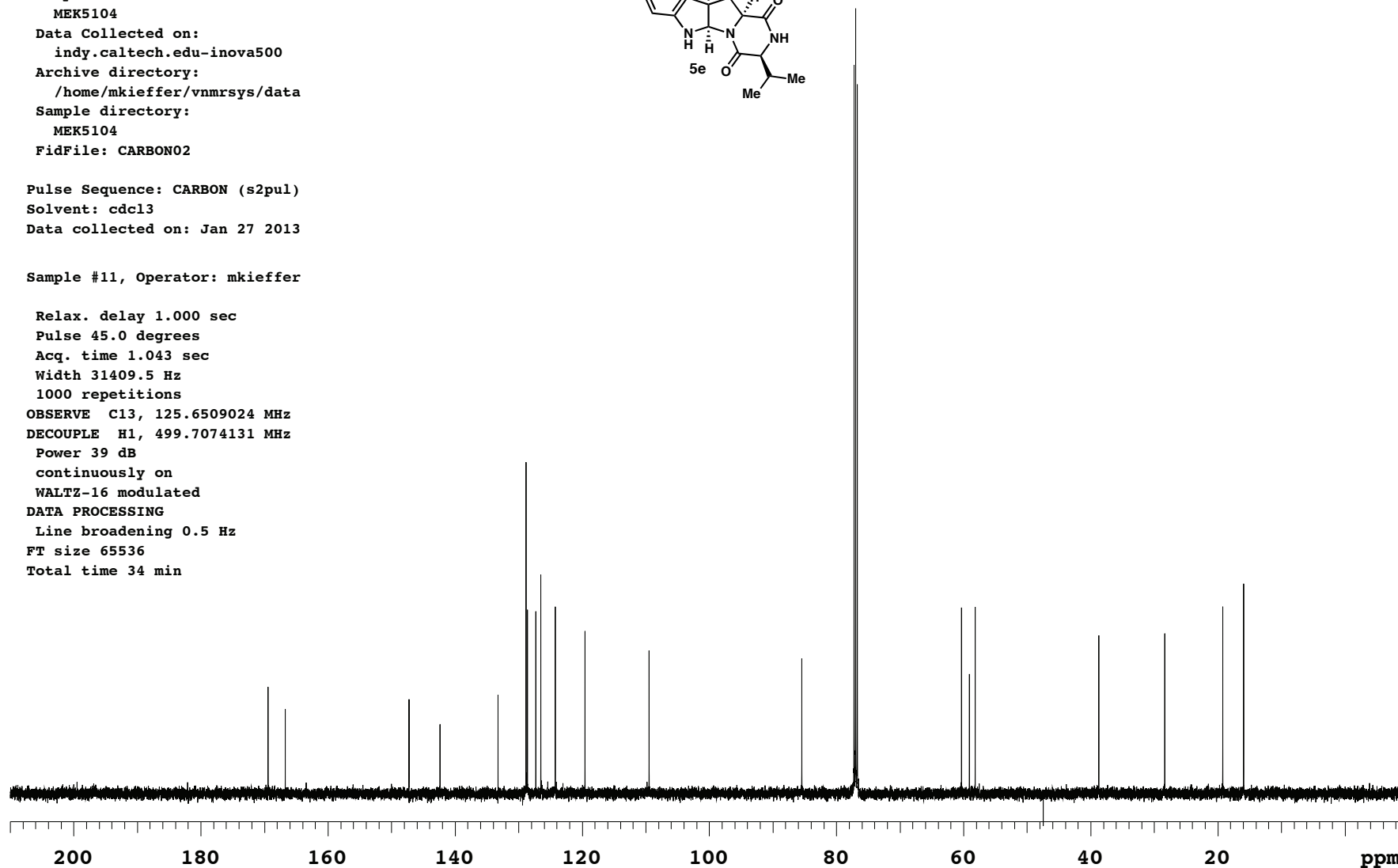
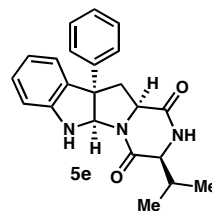
MEK5104

Sample Name:
MEK5104
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
MEK5104
FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 27 2013

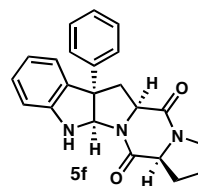
Sample #11, Operator: mkieffer

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31409.5 Hz
1000 repetitions
OBSERVE C13, 125.6509024 MHz
DECOUPLE H1, 499.7074131 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 34 min



MEK5108

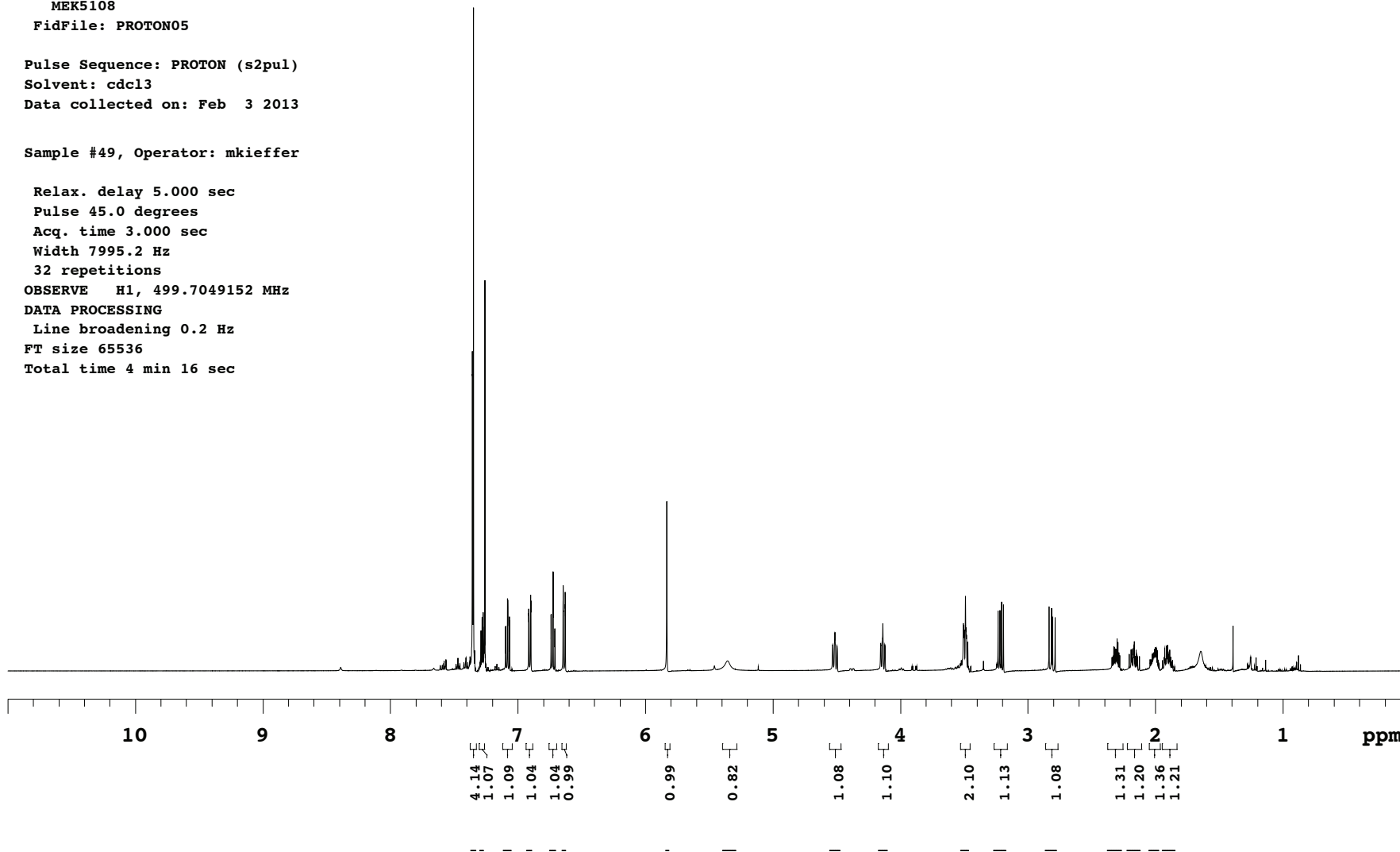
Sample Name:
MEK5108
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
MEK5108
FidFile: PROTON05



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 3 2013

Sample #49, Operator: mkieffer

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049152 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec



MEK5108

Sample Name:

MEK5108

Data Collected on:

indy.caltech.edu-inova500

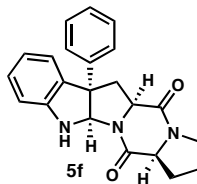
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

MEK5108

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 27 2013

Sample #12, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509053 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

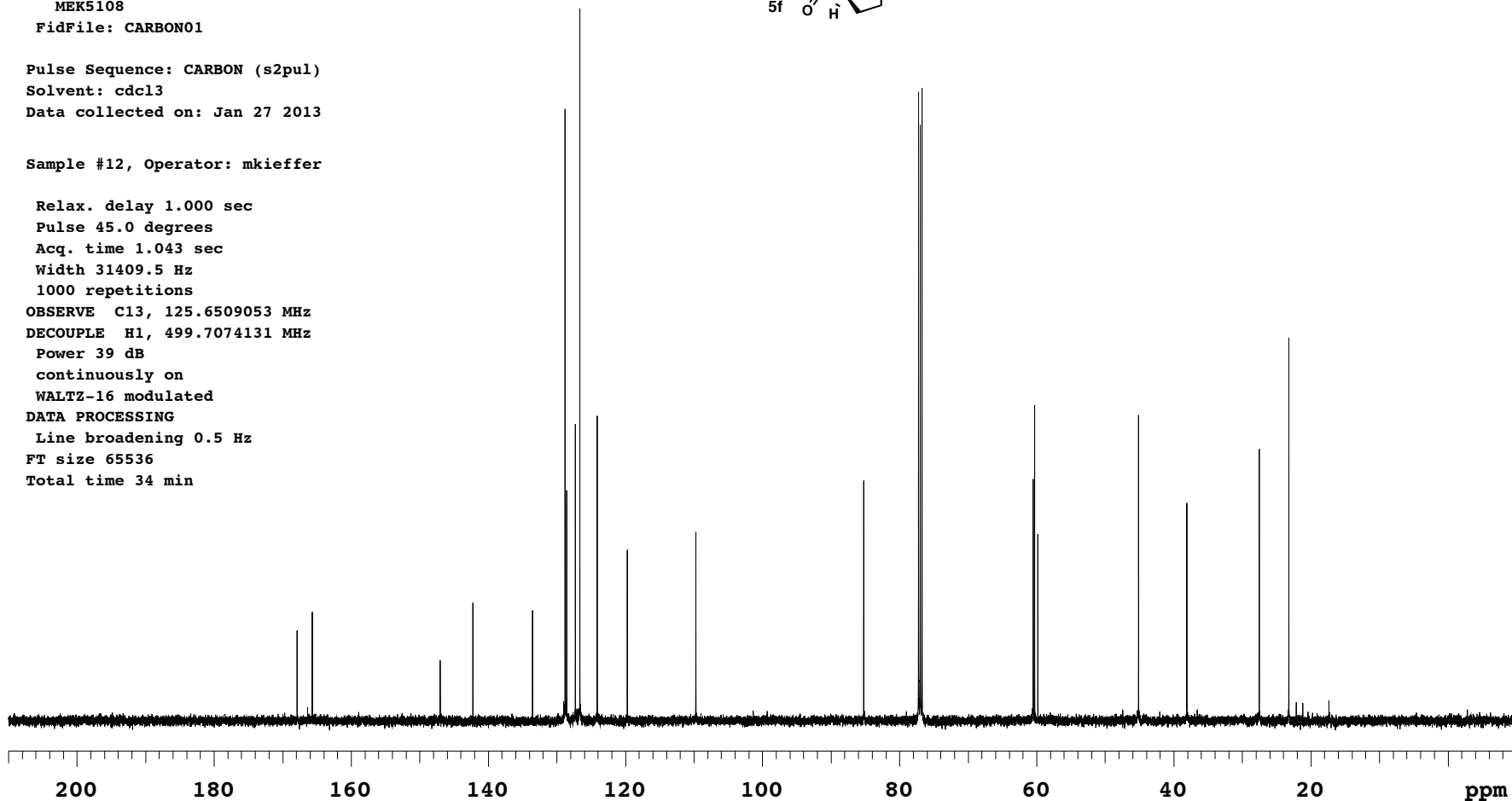
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



KVC15-057-A

Sample Name:

KVC15-057-A

Data Collected on:

indy.caltech.edu-inova500

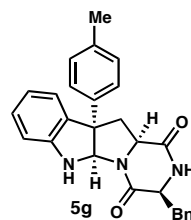
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-057-A

FidFile: PROTON02



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 5 2013

Sample #41, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

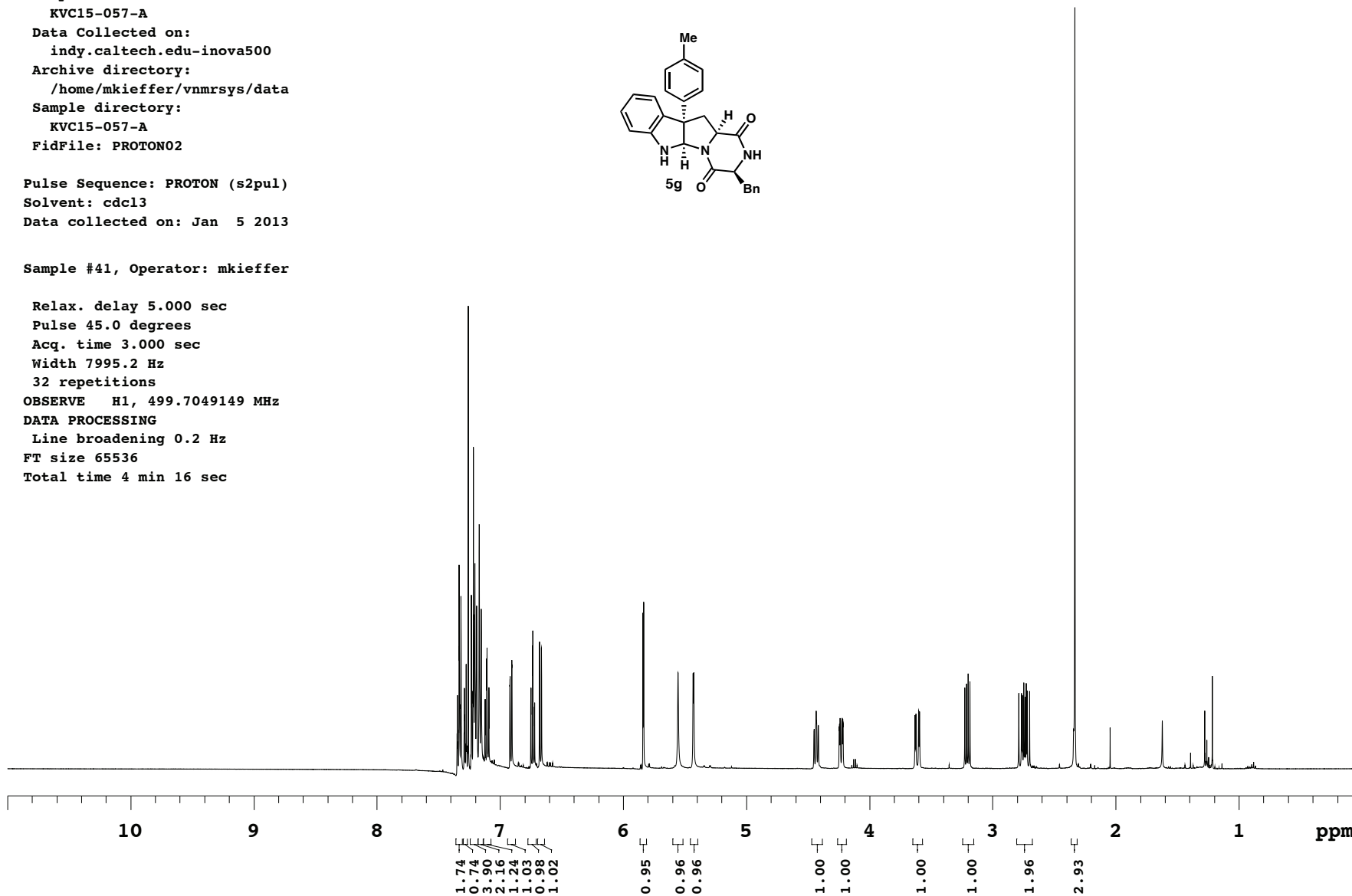
OBSERVE H1, 499.7049149 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



KVC15-057-A

Sample Name:

KVC15-057-A

Data Collected on:

indy.caltech.edu-inova500

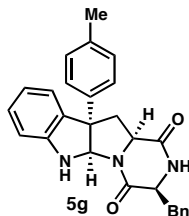
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-057-A

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 5 2013

Sample #41, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509044 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

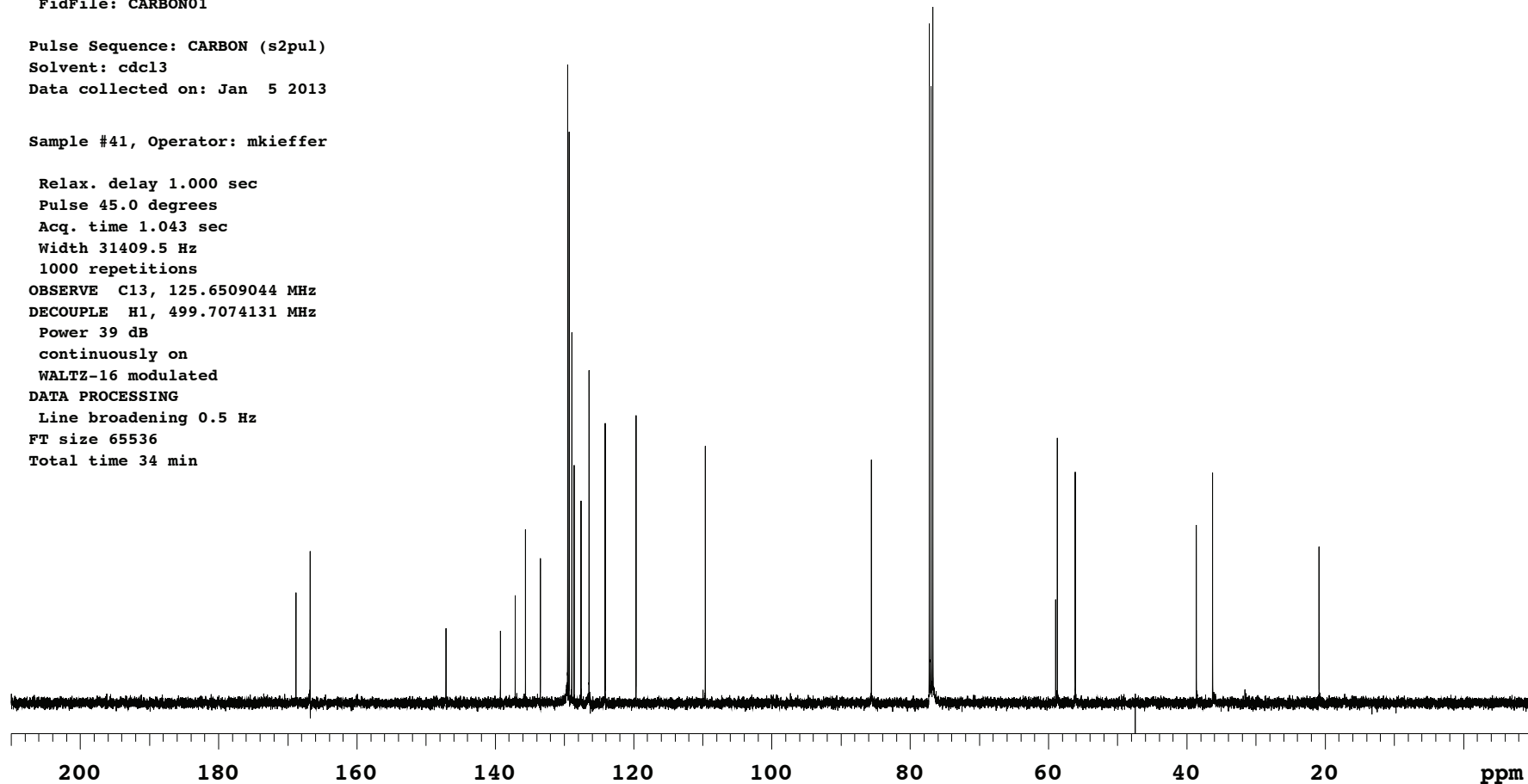
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

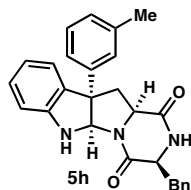
FT size 65536

Total time 34 min



KVC15-057-B

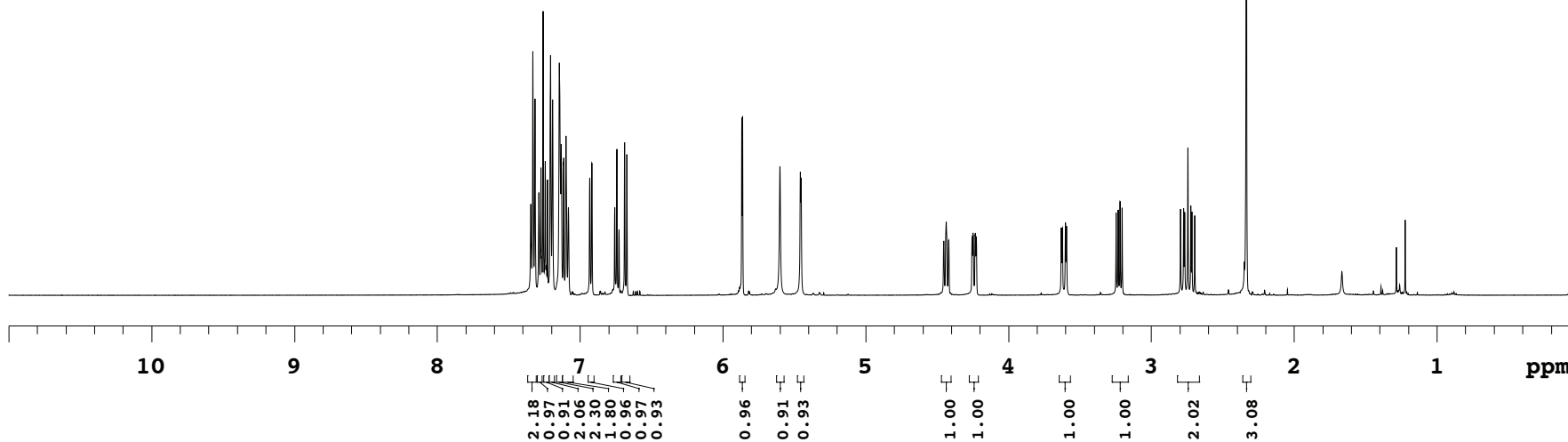
Sample Name:
KVC15-057-B
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-057-B
FidFile: PROTON02



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jan 6 2013

Sample #42, Operator: mkieffer

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049152 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec



KVC15-057-B

Sample Name:

KVC15-057-B

Data Collected on:

indy.caltech.edu-inova500

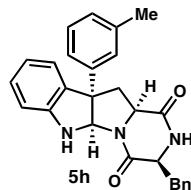
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-057-B

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 6 2013

Sample #42, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509053 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

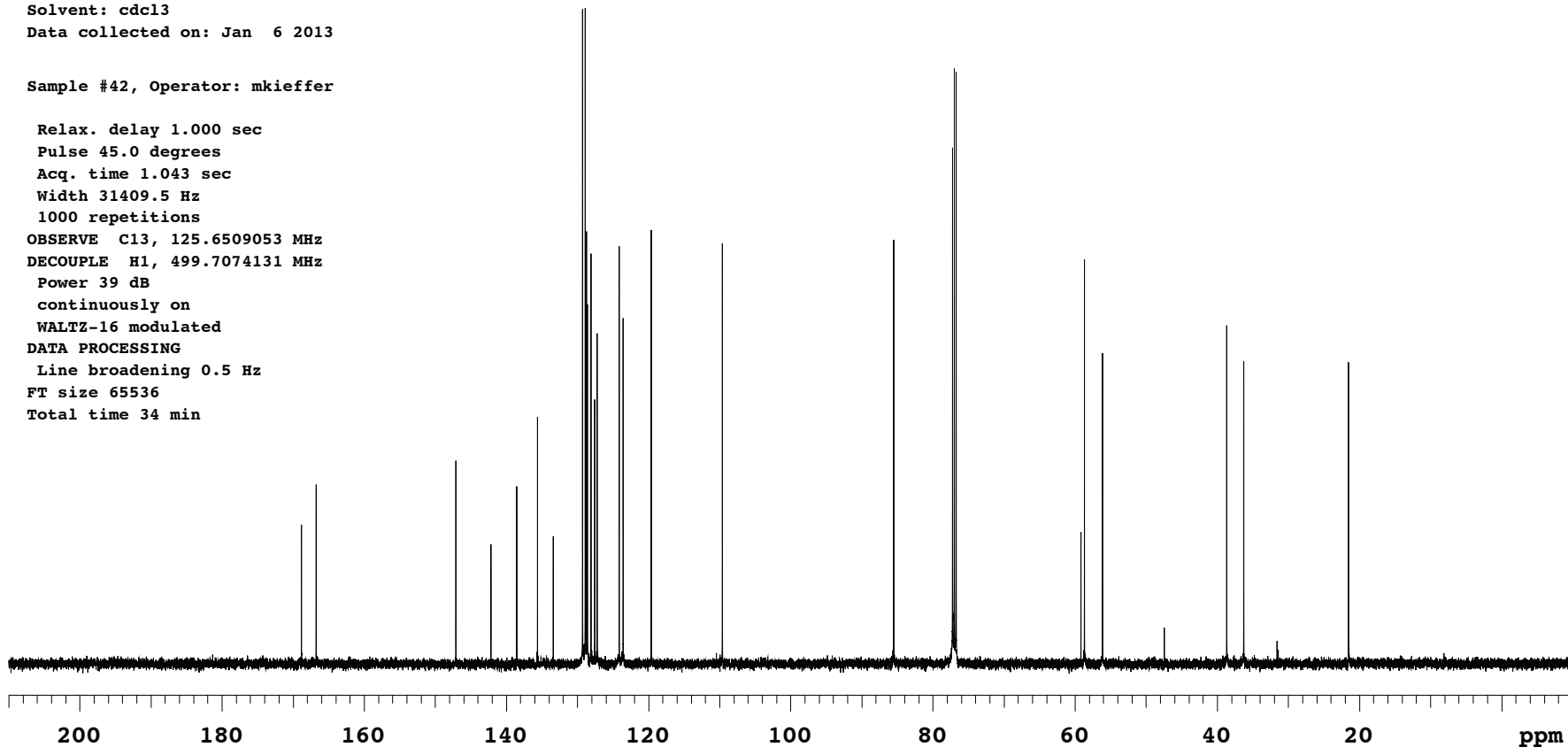
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



KVC15-187

Sample Name:

KVC15-187

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-187

FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 20 2013

Sample #20, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

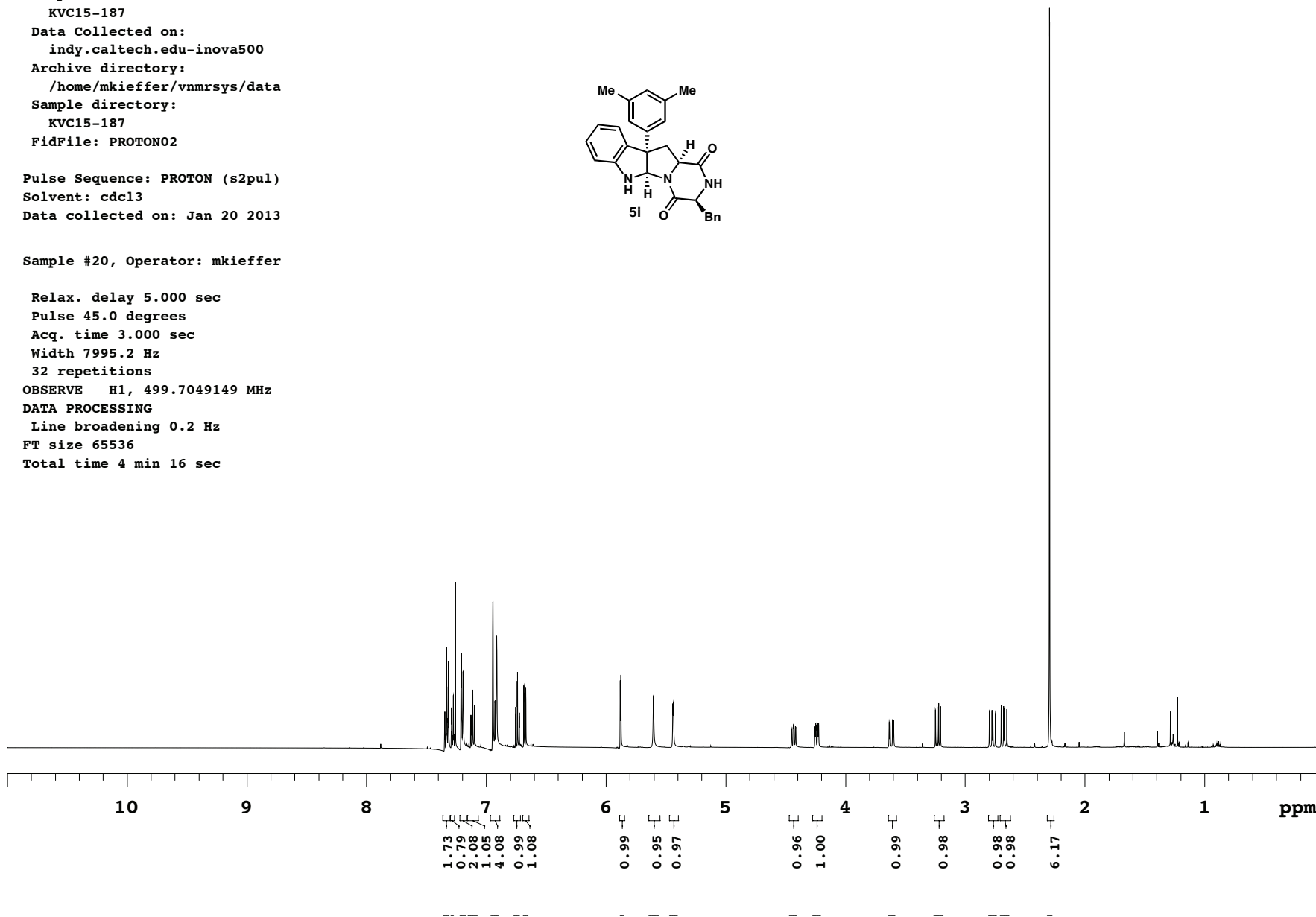
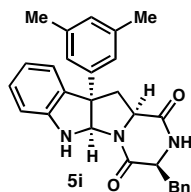
OBSERVE H1, 499.7049149 MHz

DATA PROCESSING

Line broadening 0.2 Hz

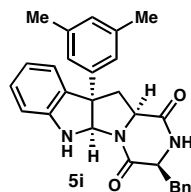
FT size 65536

Total time 4 min 16 sec



KVC15-187

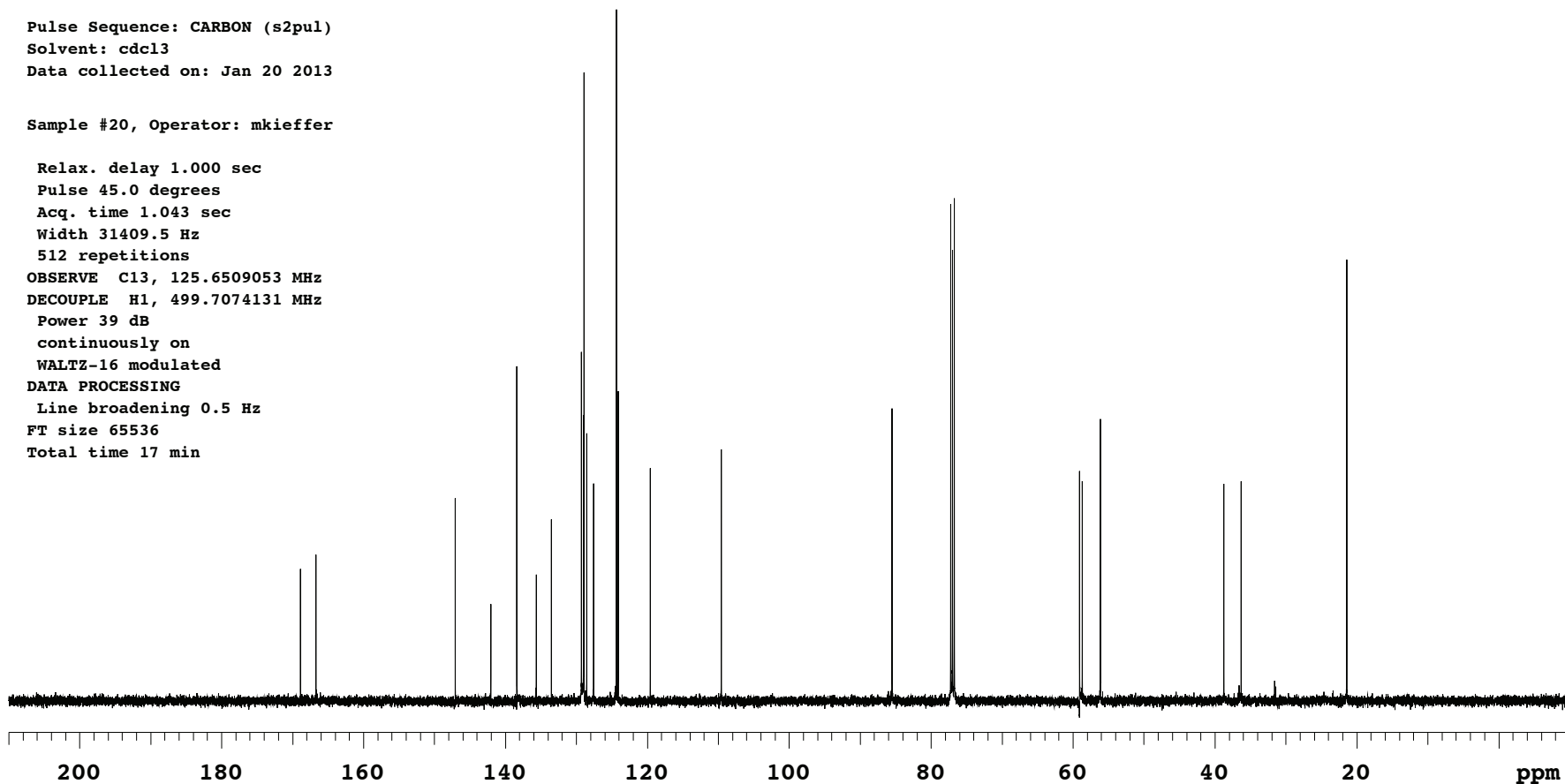
Sample Name:
KVC15-187
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-187
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 20 2013

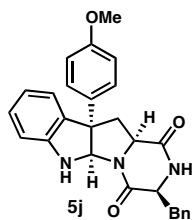
Sample #20, Operator: mkieffer

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31409.5 Hz
512 repetitions
OBSERVE C13, 125.6509053 MHz
DECOUPLE H1, 499.7074131 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 17 min



KVC15-197

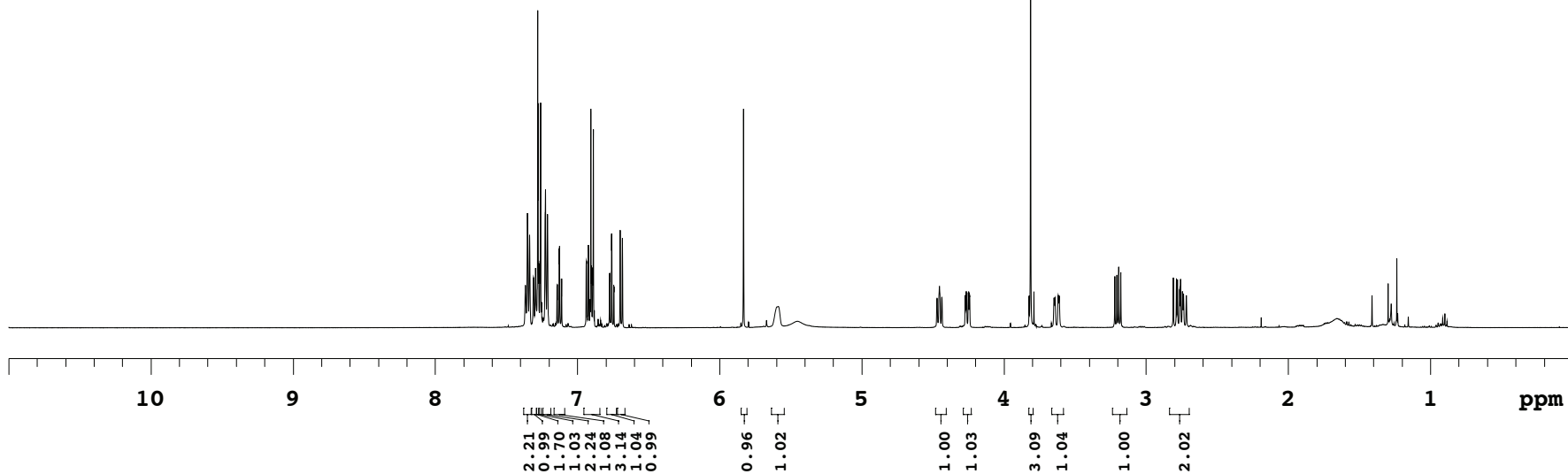
Sample Name:
KVC15-197
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-197
FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jan 27 2013

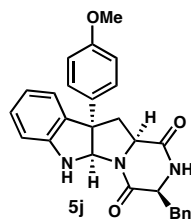
Sample #9, Operator: mkieffer

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049047 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec



KVC15-197

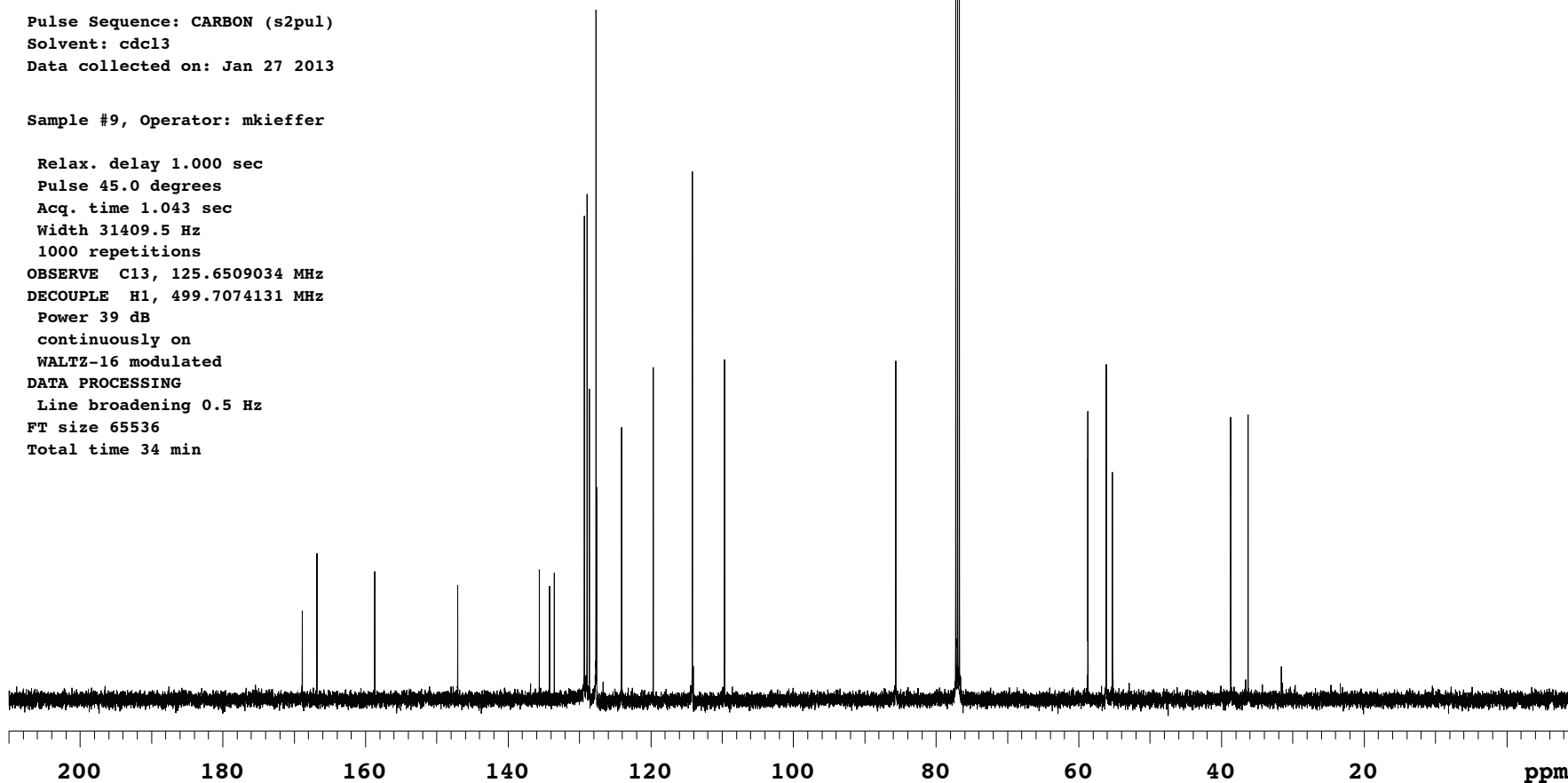
Sample Name:
KVC15-197
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-197
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 27 2013

Sample #9, Operator: mkieffer

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31409.5 Hz
1000 repetitions
OBSERVE C13, 125.6509034 MHz
DECOUPLE H1, 499.7074131 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 34 min



KVC15-057-G

Sample Name:

KVC15-057-G

Data Collected on:

indy.caltech.edu-inova500

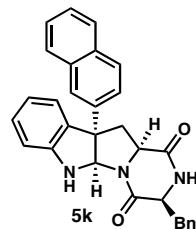
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-057-G

FidFile: PROTON02



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 6 2013

Sample #43, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

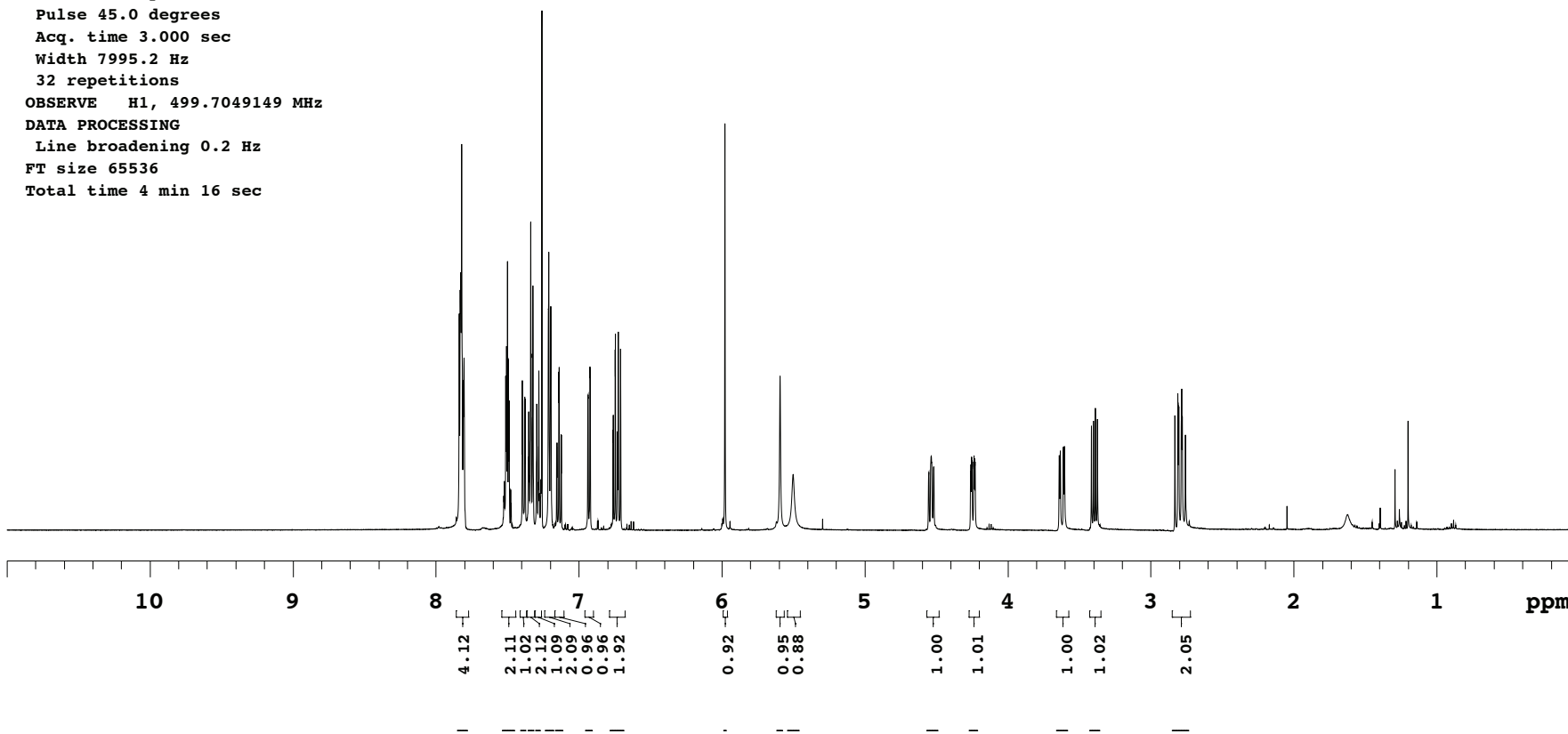
OBSERVE H1, 499.7049149 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



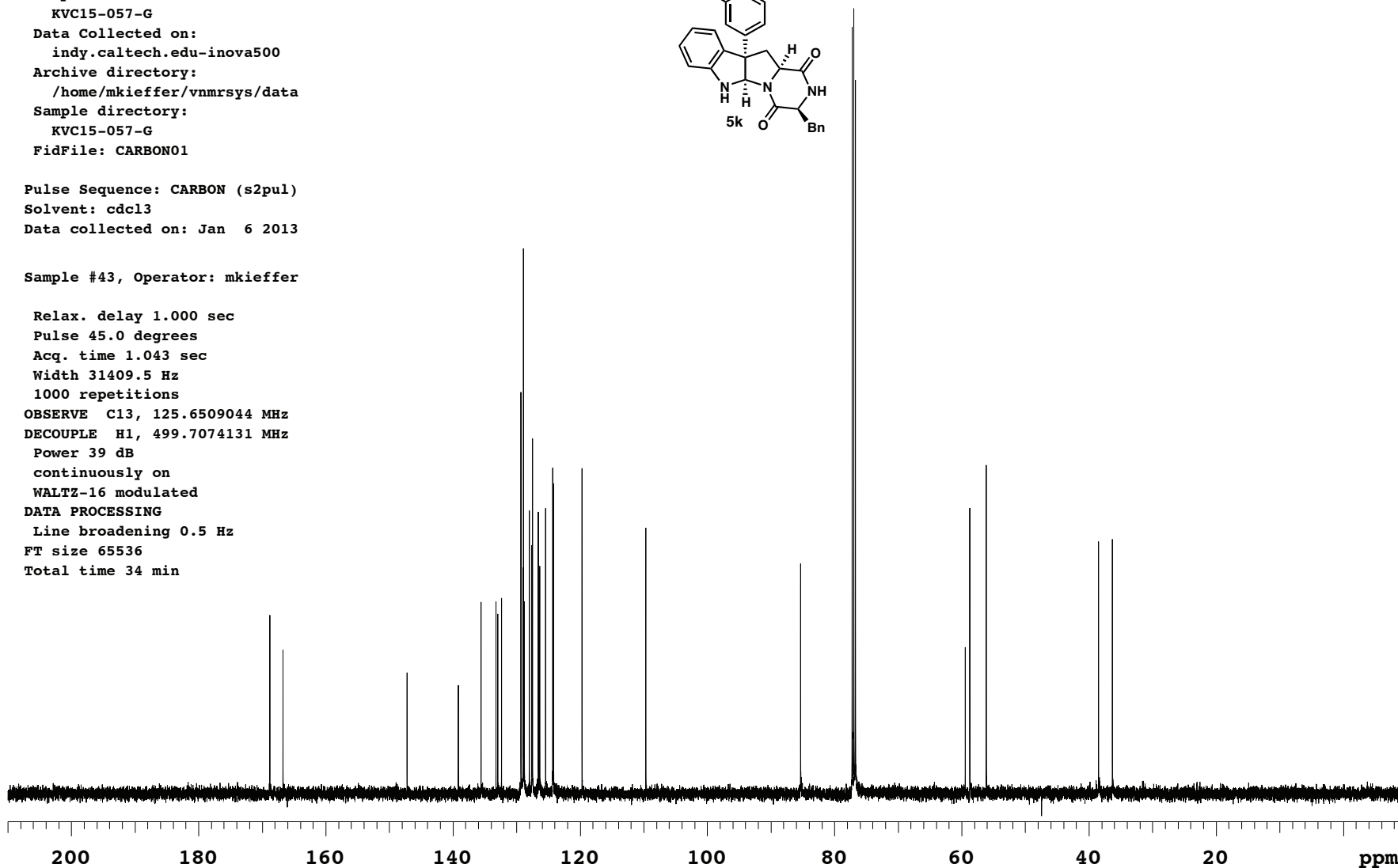
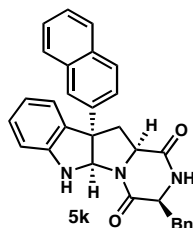
KVC15-057-G

Sample Name:
KVC15-057-G
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-057-G
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 6 2013

Sample #43, Operator: mkieffer

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31409.5 Hz
1000 repetitions
OBSERVE C13, 125.6509044 MHz
DECOUPLE H1, 499.7074131 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 34 min



KVC15-195

Sample Name:

KVC15-195

Data Collected on:

indy.caltech.edu-inova500

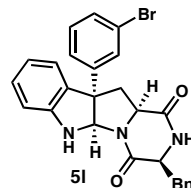
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-195

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 27 2013

Sample #8, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

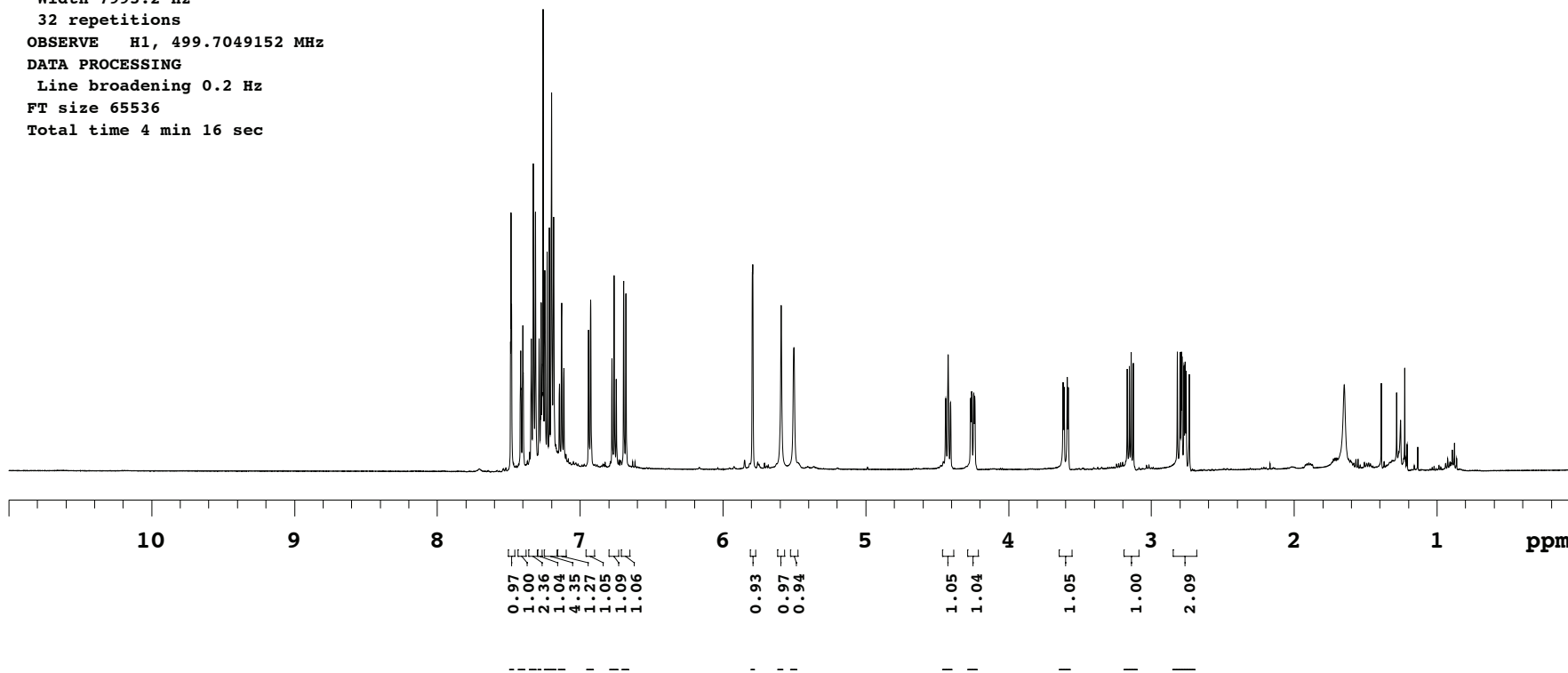
OBSERVE H1, 499.7049152 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



KVC15-195

Sample Name:

KVC15-195

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

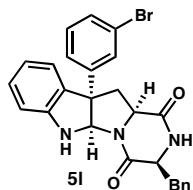
KVC15-195

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 27 2013



Sample #8, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509044 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

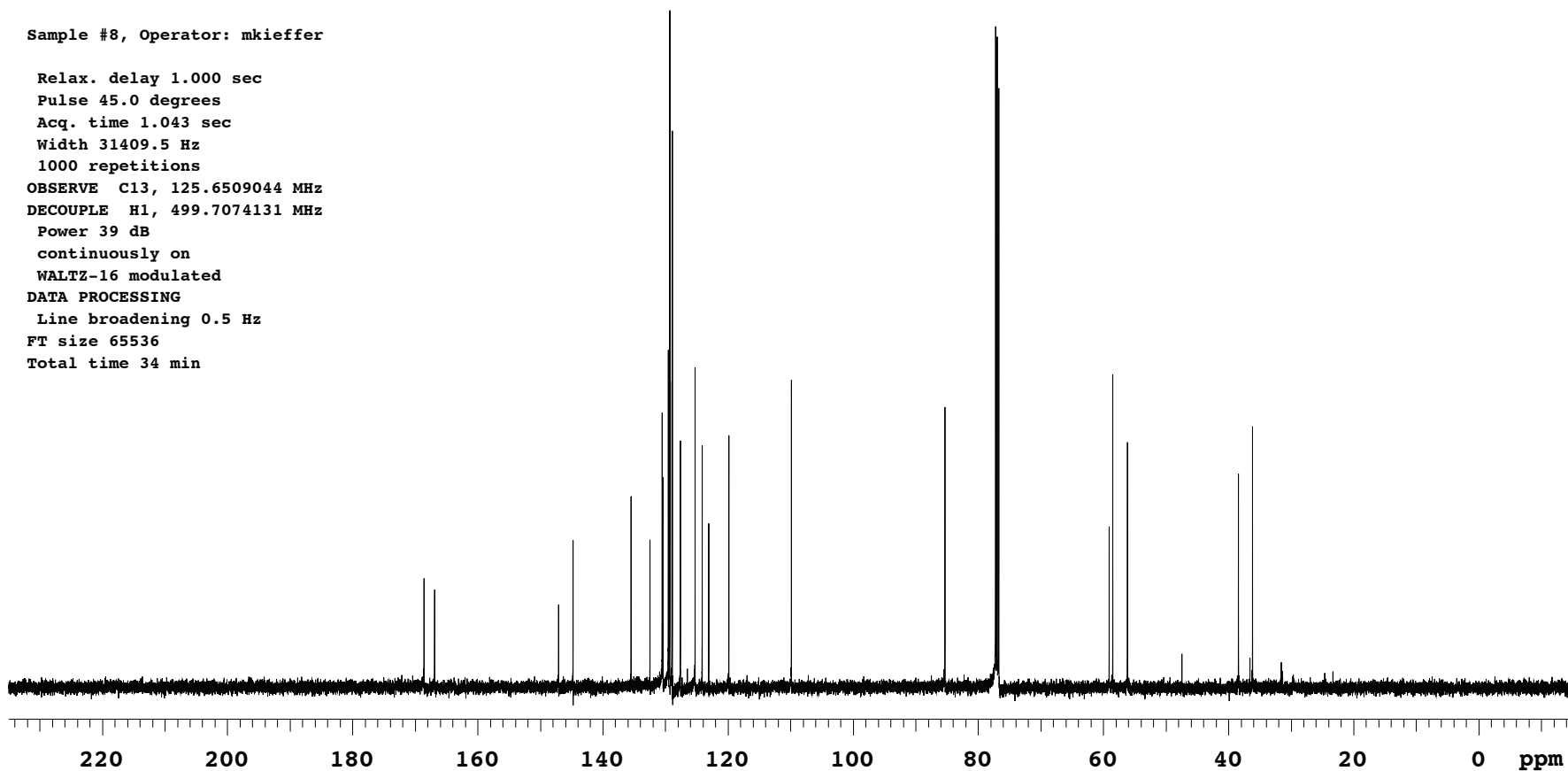
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



MEK5100

Sample Name:

MEK5100

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

MEK5100

FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 21 2013

Sample #22, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

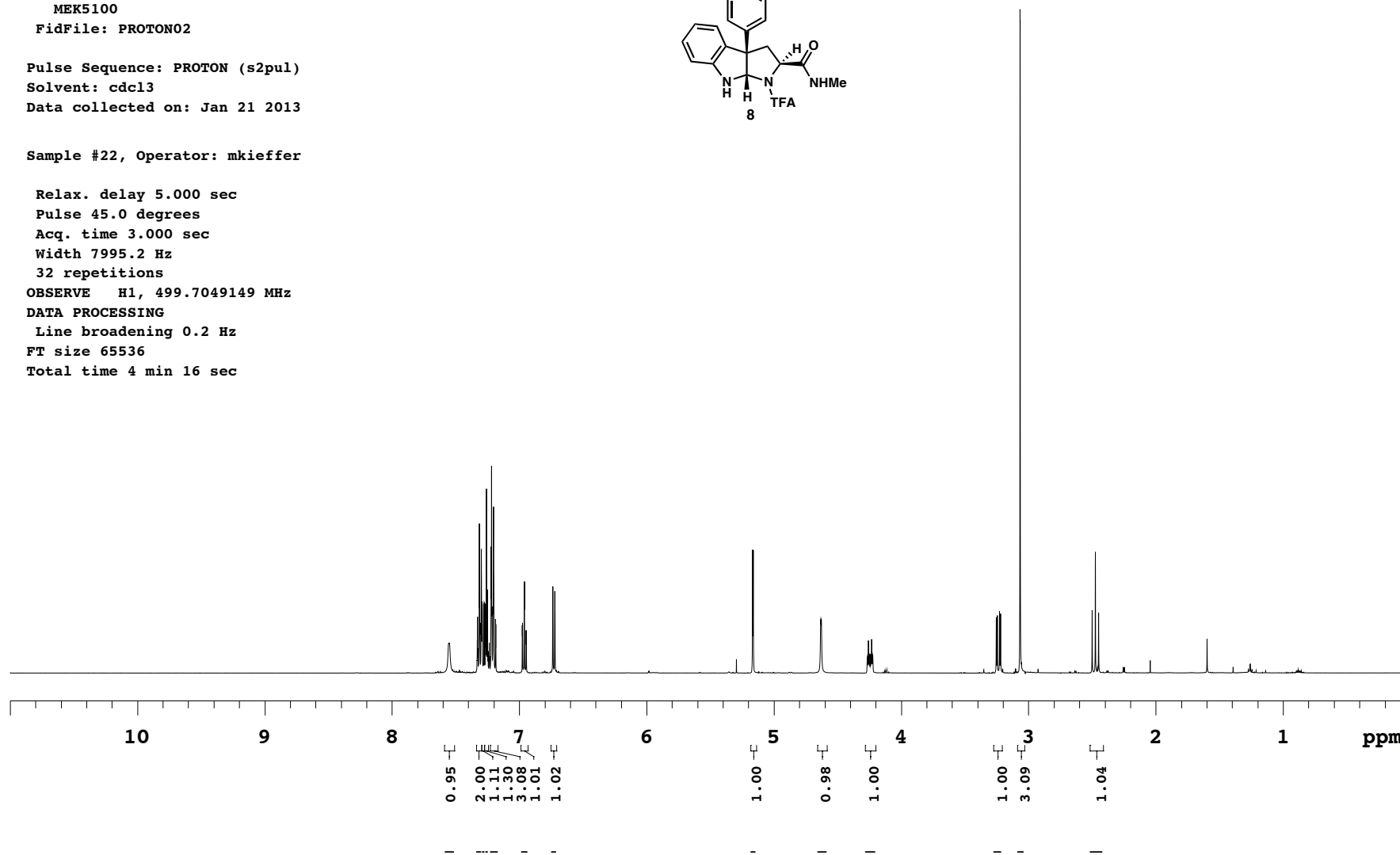
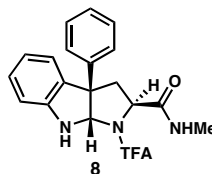
OBSERVE H1, 499.7049149 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



MEK5100

Sample Name:

MEK5100

Data Collected on:

indy.caltech.edu-inova500

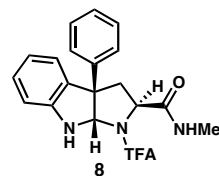
Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

MEK5100

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 21 2013

Sample #22, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509034 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

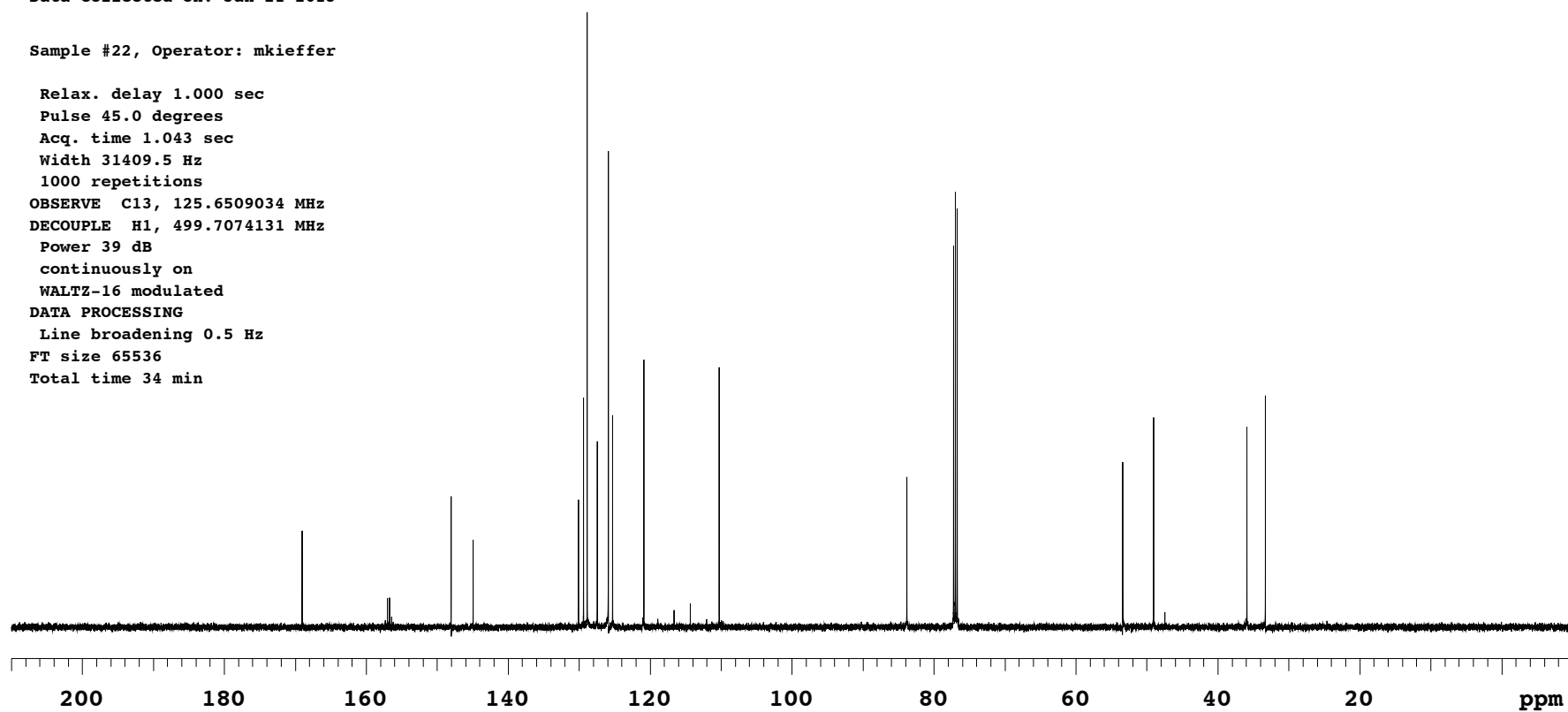
WALTZ-16 modulated

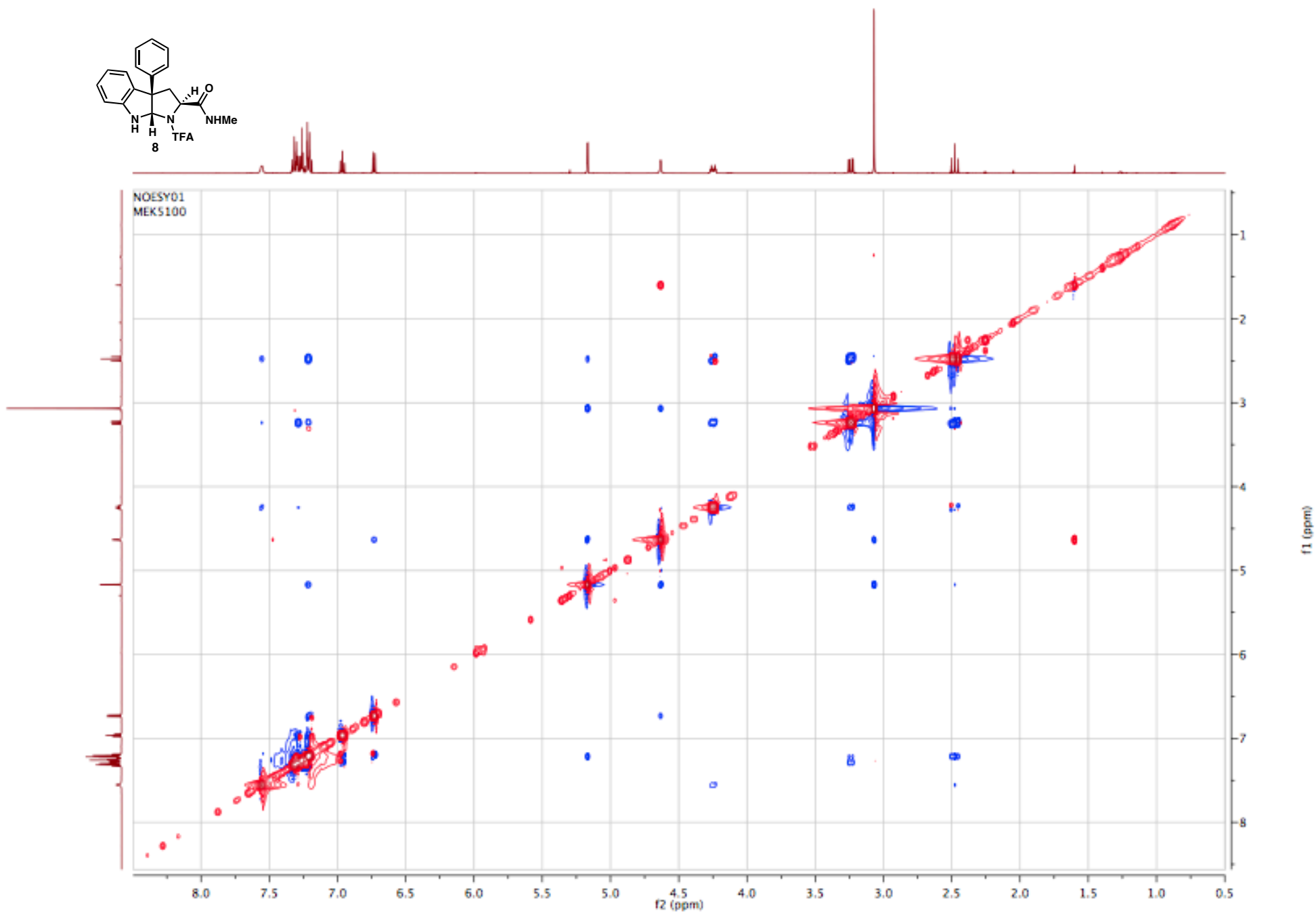
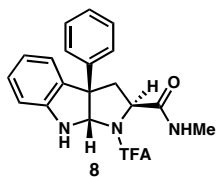
DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min





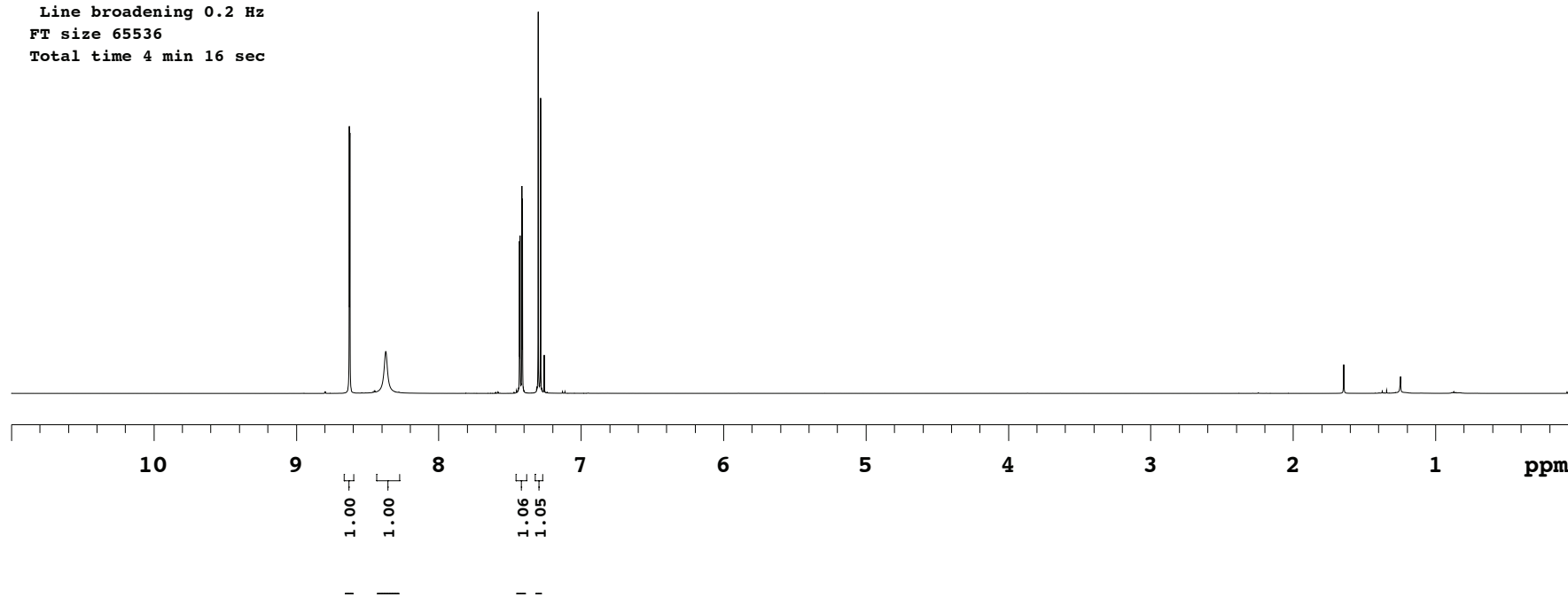
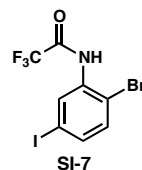
KVC15-023

Sample Name:
KVC15-023
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-023
FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jan 27 2013

Sample #13, Operator: mkieffer

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049149 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec



KVC15-023

Sample Name:

KVC15-023

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-023

FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 27 2013

Sample #13, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509072 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

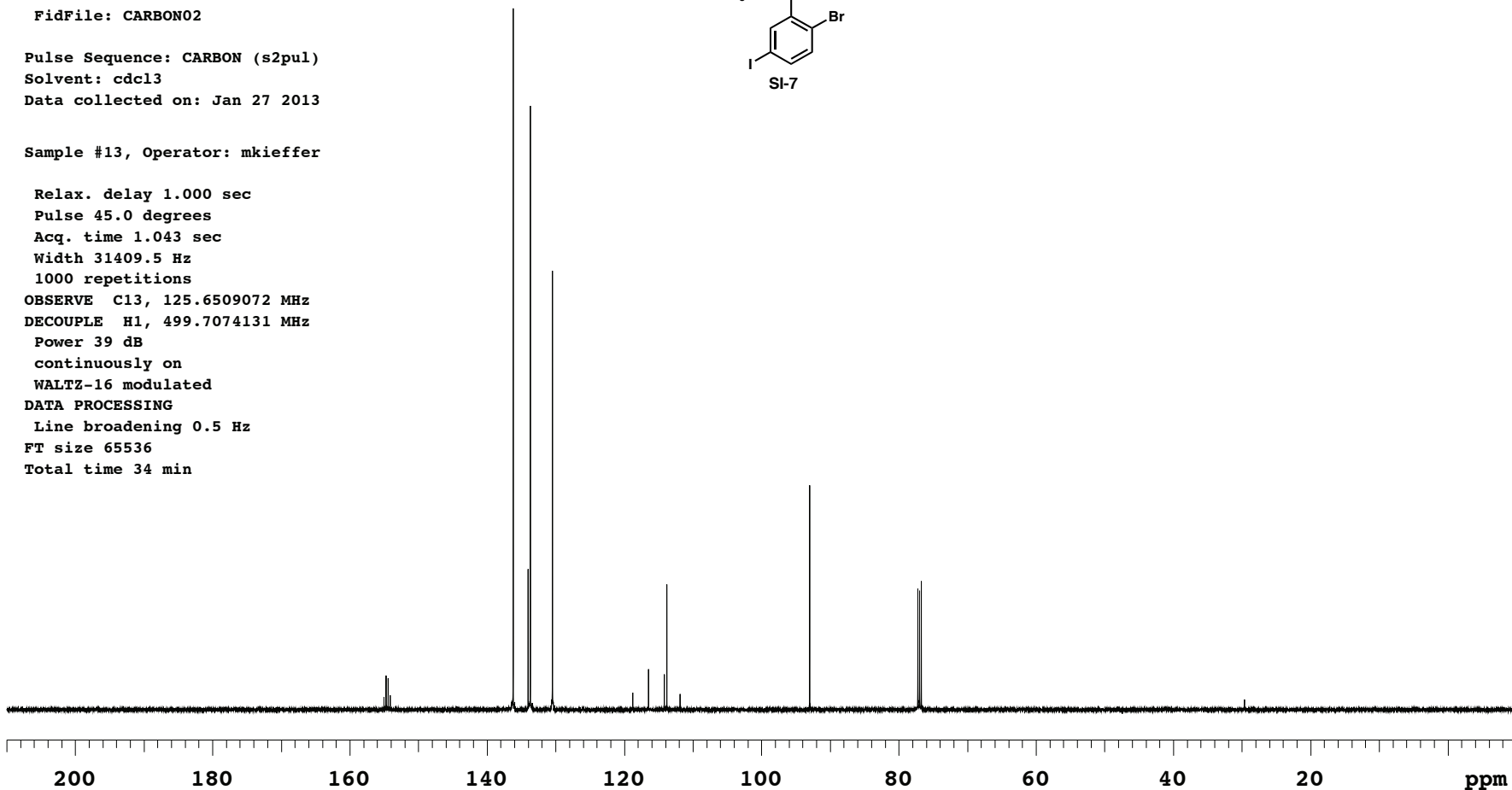
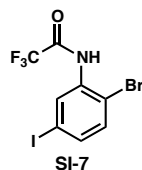
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



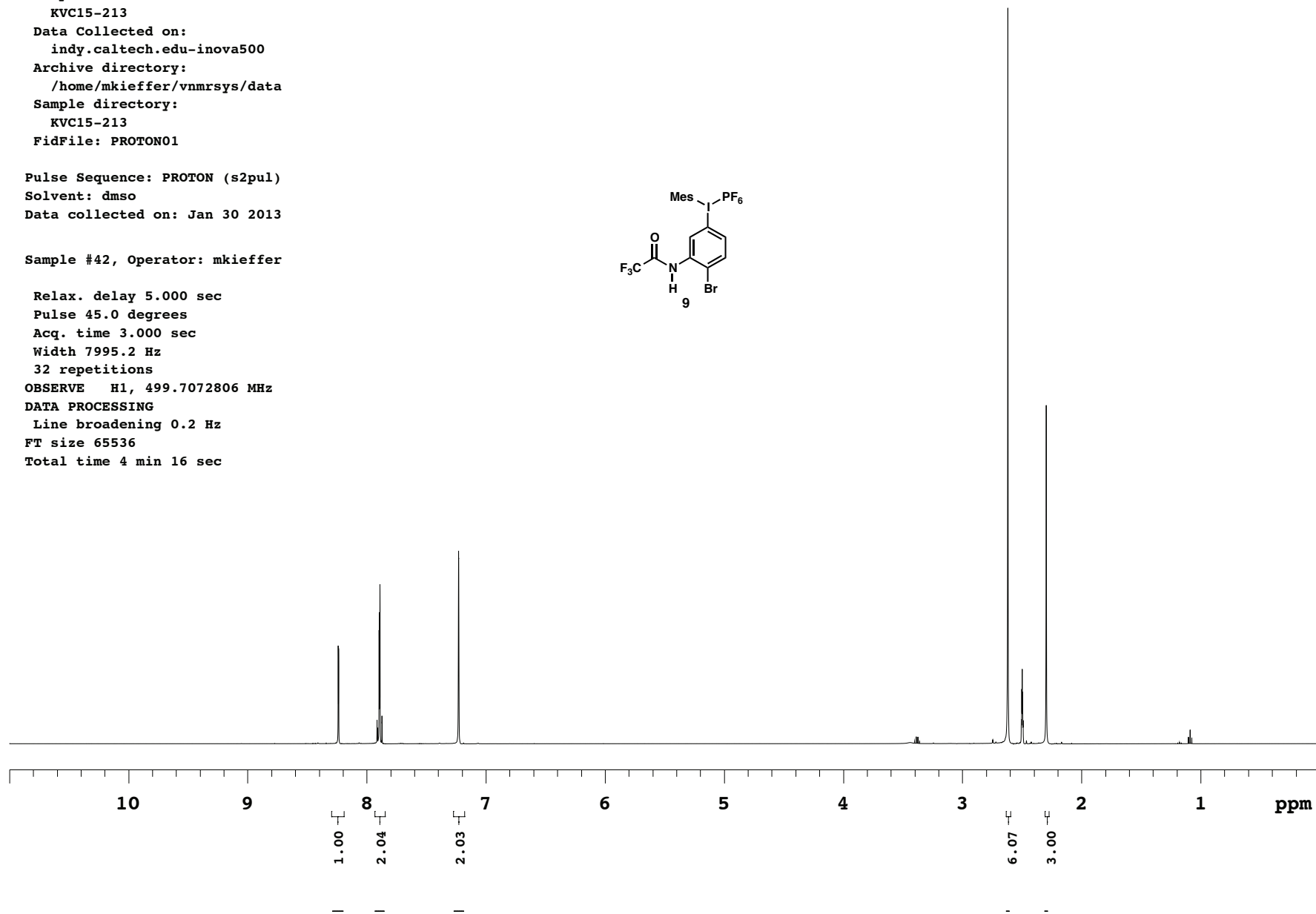
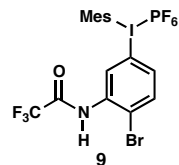
KVC15-213

Sample Name:
KVC15-213
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-213
FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)
Solvent: dmso
Data collected on: Jan 30 2013

Sample #42, Operator: mkieffer

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7072806 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec



KVC15-213

Sample Name:

KVC15-213

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-213

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: dmso

Data collected on: Jan 30 2013

Sample #42, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1500 repetitions

OBSERVE C13, 125.6515512 MHz

DECOUPLE H1, 499.7097867 MHz

Power 39 dB

continuously on

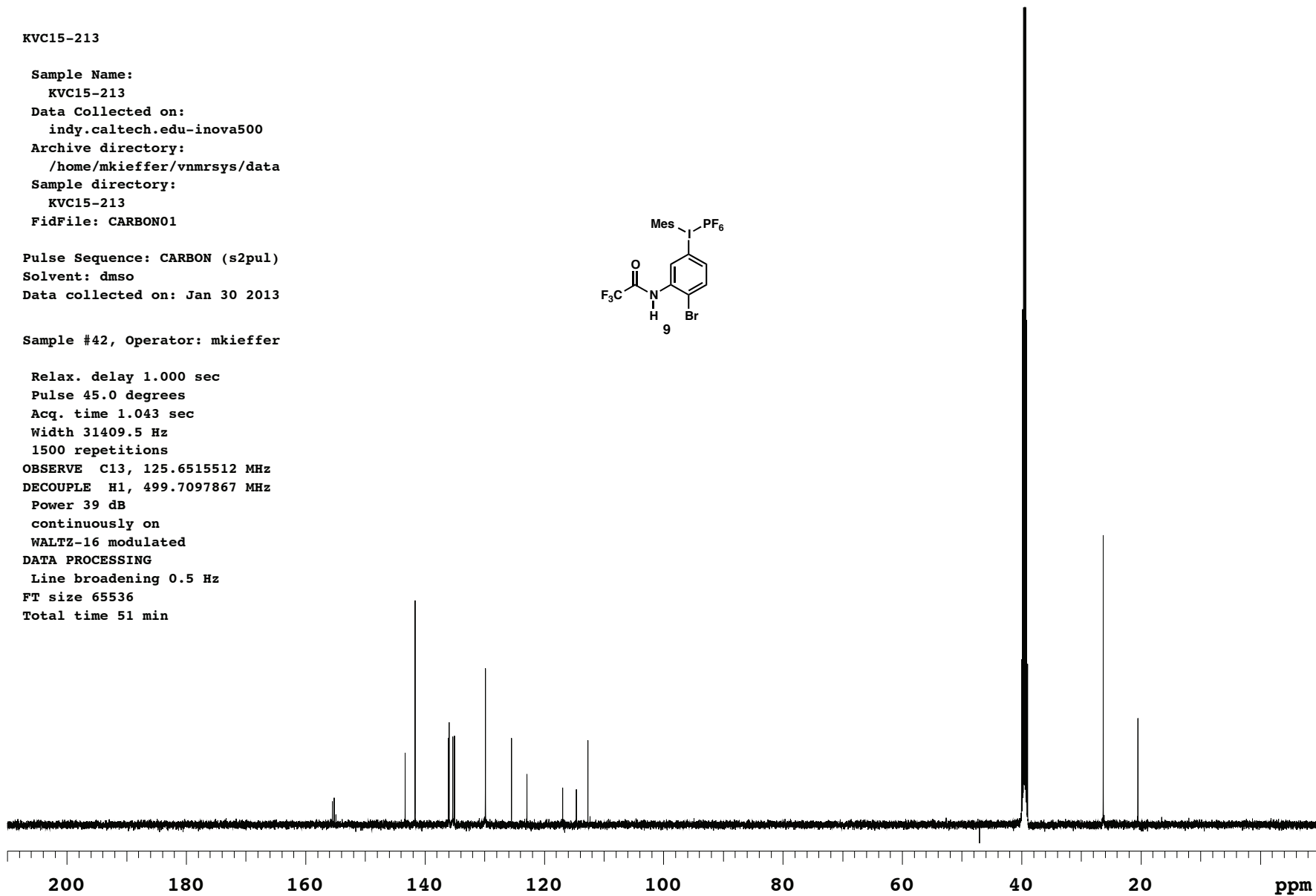
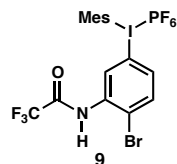
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 51 min



MEK5077-1

Sample Name:

MEK5077-1

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

MEK5077-1

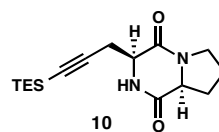
FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 14 2013

Sample #48, Operator: mkieffer



Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

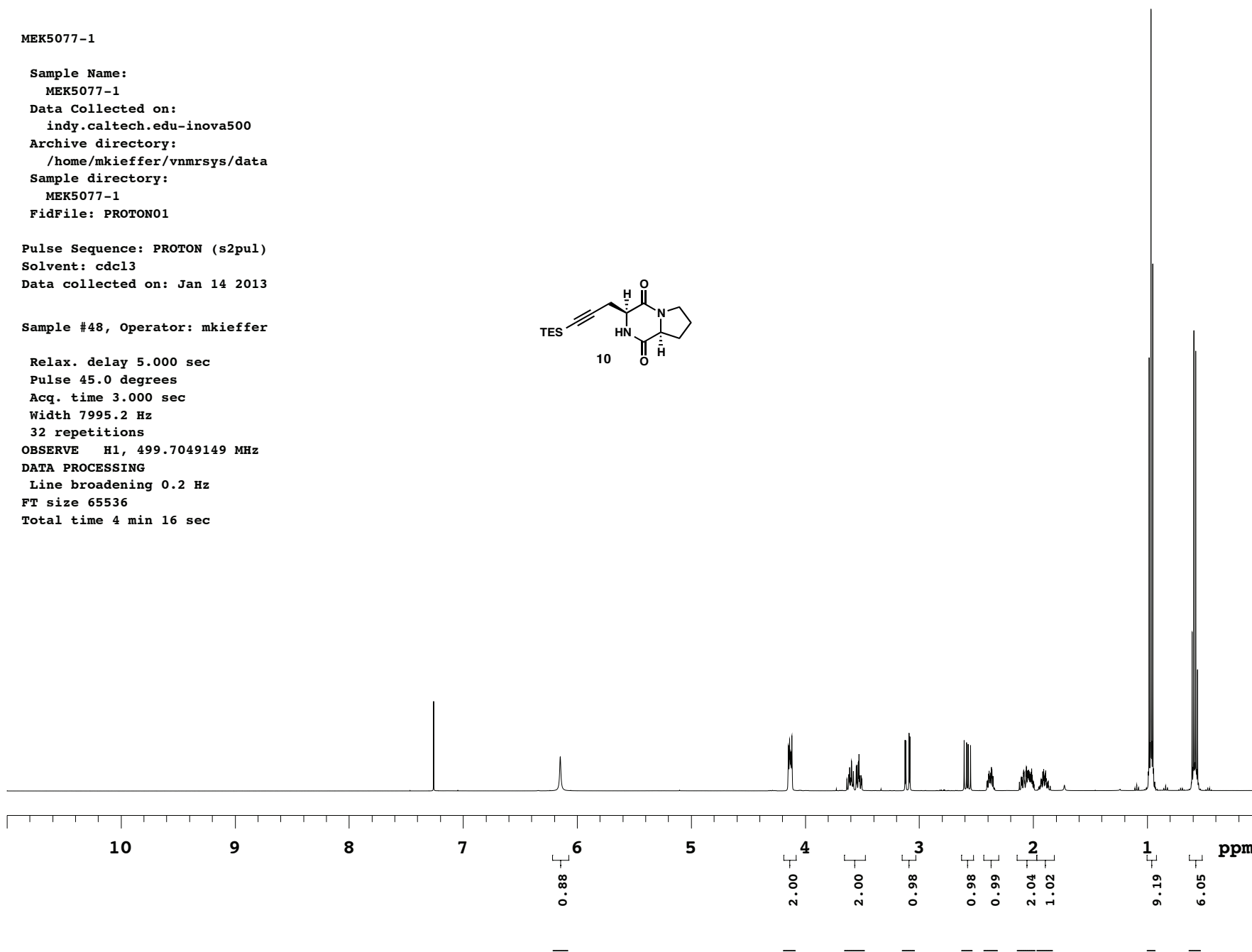
OBSERVE H1, 499.7049149 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



MEK5077-1

Sample Name:

MEK5077-1

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

MEK5077-1

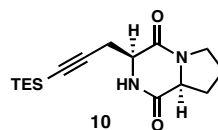
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 14 2013

Sample #48, Operator: mkieffer



Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509044 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

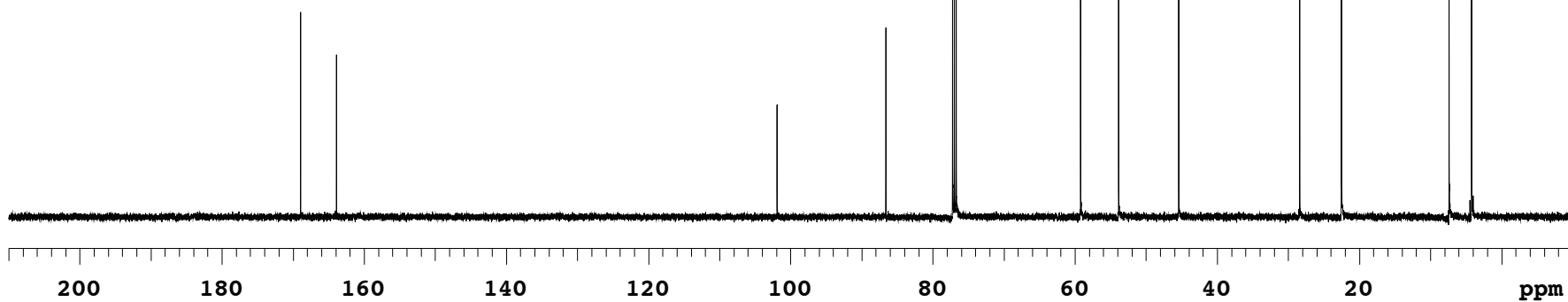
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



KVC15-107

Sample Name:

KVC15-107

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-107

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 6 2013

Sample #44, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

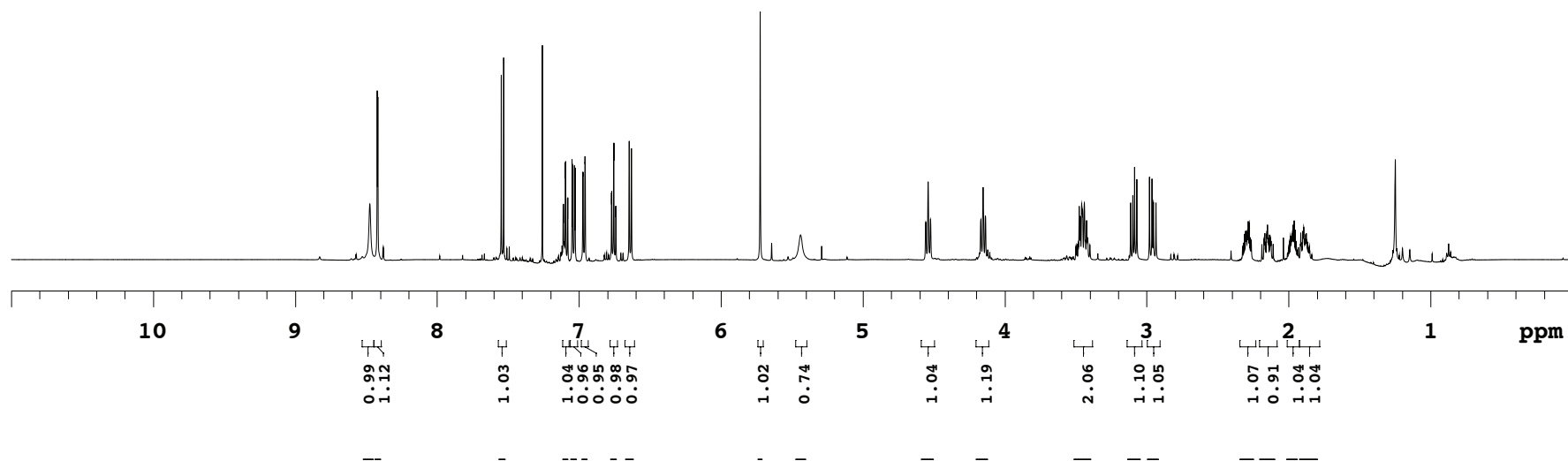
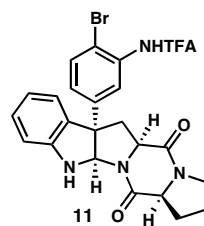
OBSERVE H1, 499.7049149 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



KVC15-107

Sample Name:

KVC15-107

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-107

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 6 2013

Sample #44, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

1000 repetitions

OBSERVE C13, 125.6509044 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

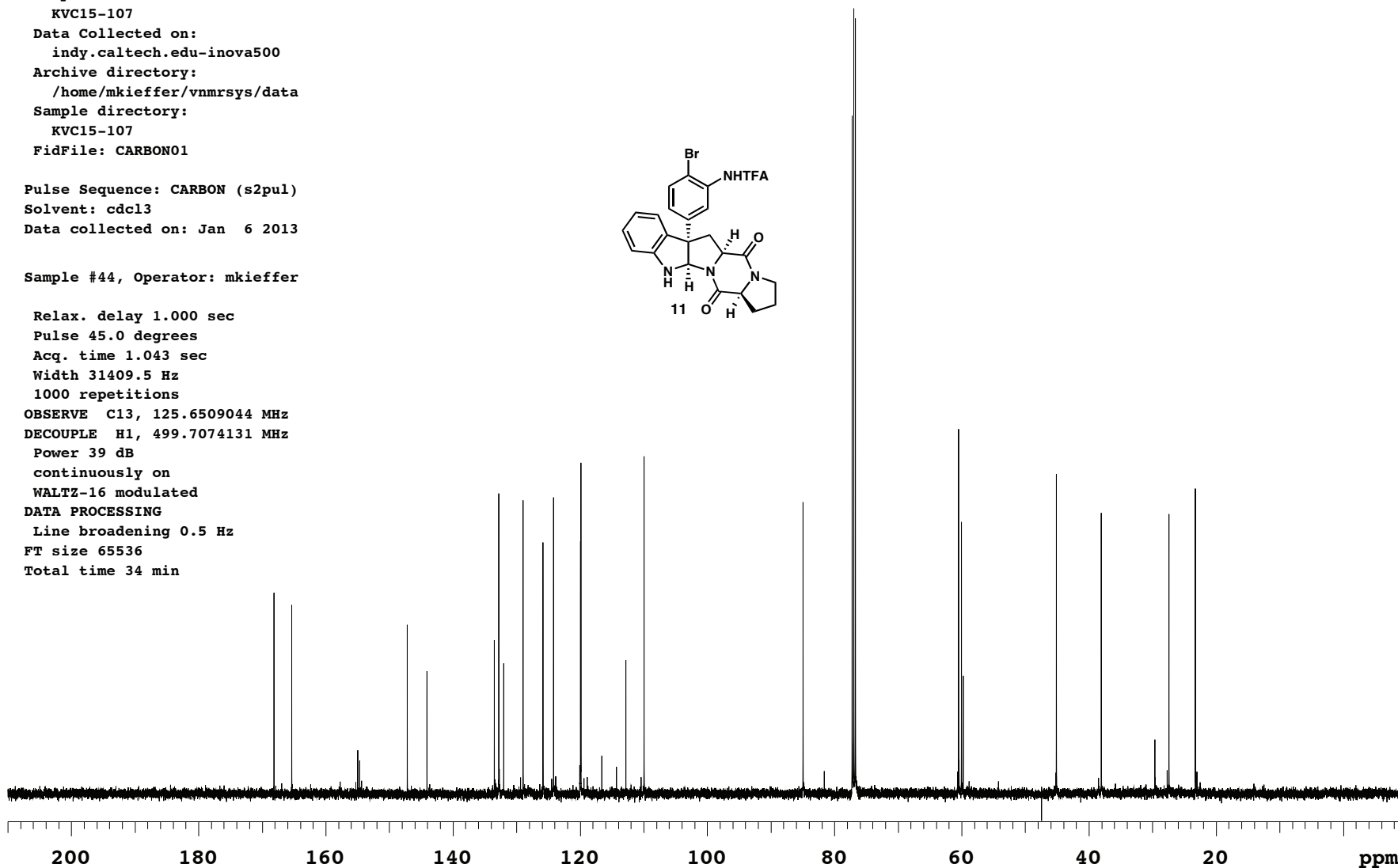
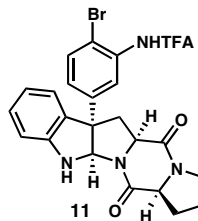
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



KVC15-291

Sample Name:

KVC15-291

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

KVC15-291

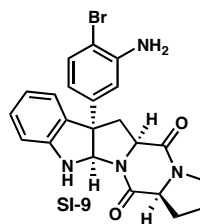
FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)

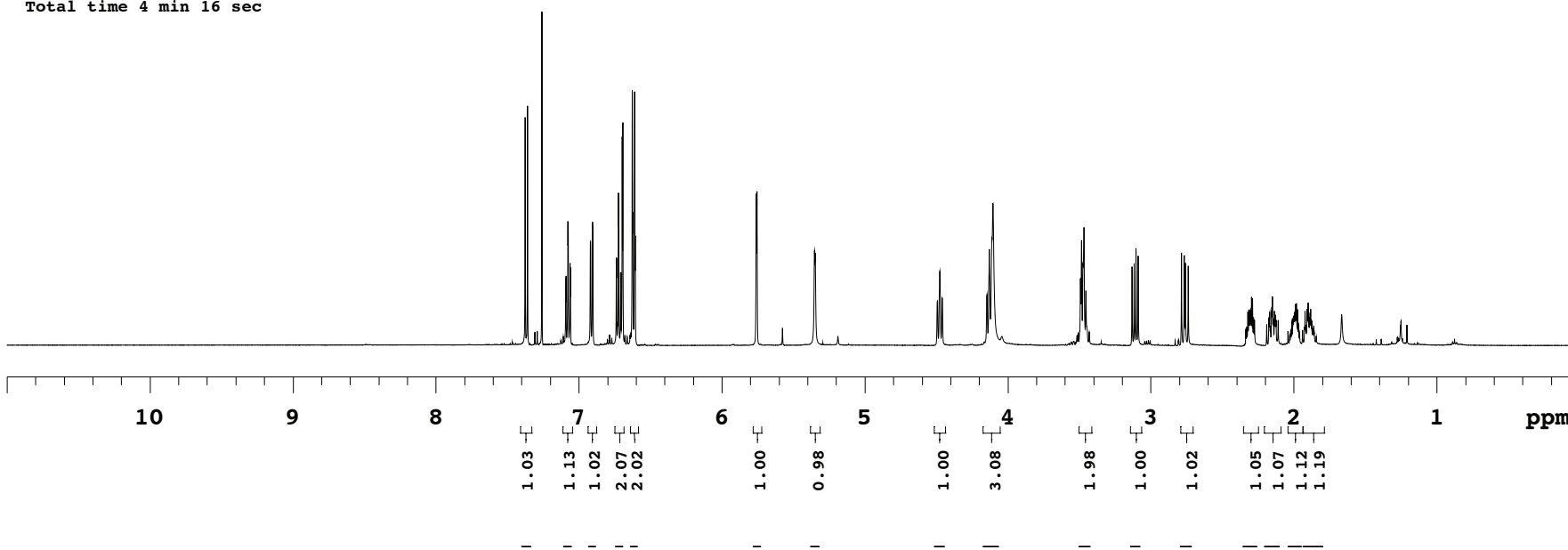
Solvent: cdcl3

Data collected on: Feb 27 2013

Sample #4, Operator: kangway



Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049151 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec



KVC15-291

Sample Name:

KVC15-291

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

KVC15-291

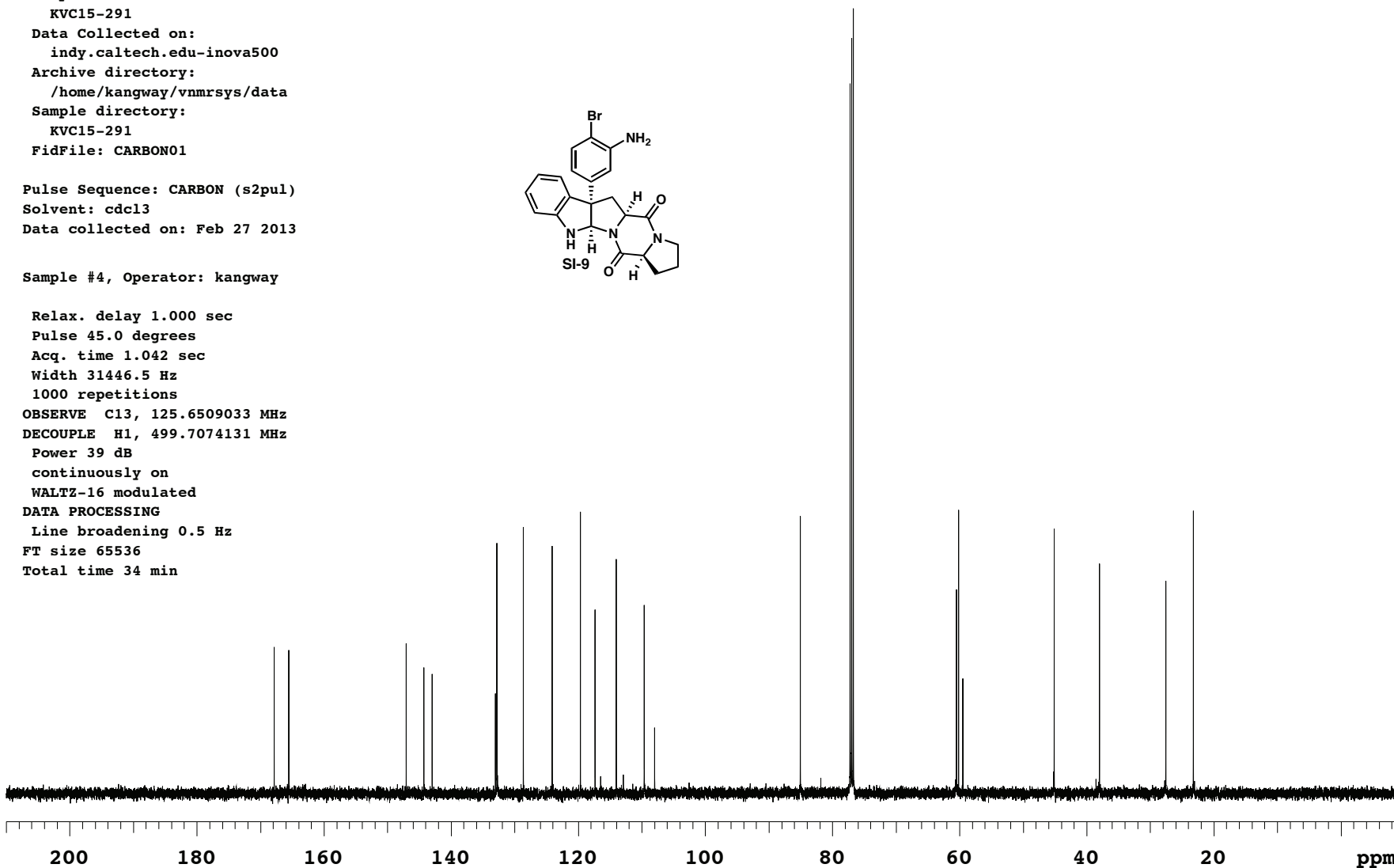
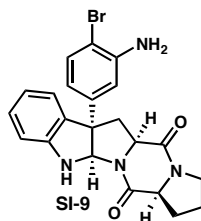
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Feb 27 2013

Sample #4, Operator: kangway



KVC15-297

Sample Name:

KVC15-297

Data Collected on:

fid.caltech.edu-inova600

Archive directory:

Sample directory:

FidFile: KVC15-297-Final

Pulse Sequence: PROTON (s2pul)

Solvent: cd3od

Data collected on: Mar 2 2013

Temp. 25.0 C / 298.1 K

Operator: hwwang

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 1.705 sec

Width 9611.9 Hz

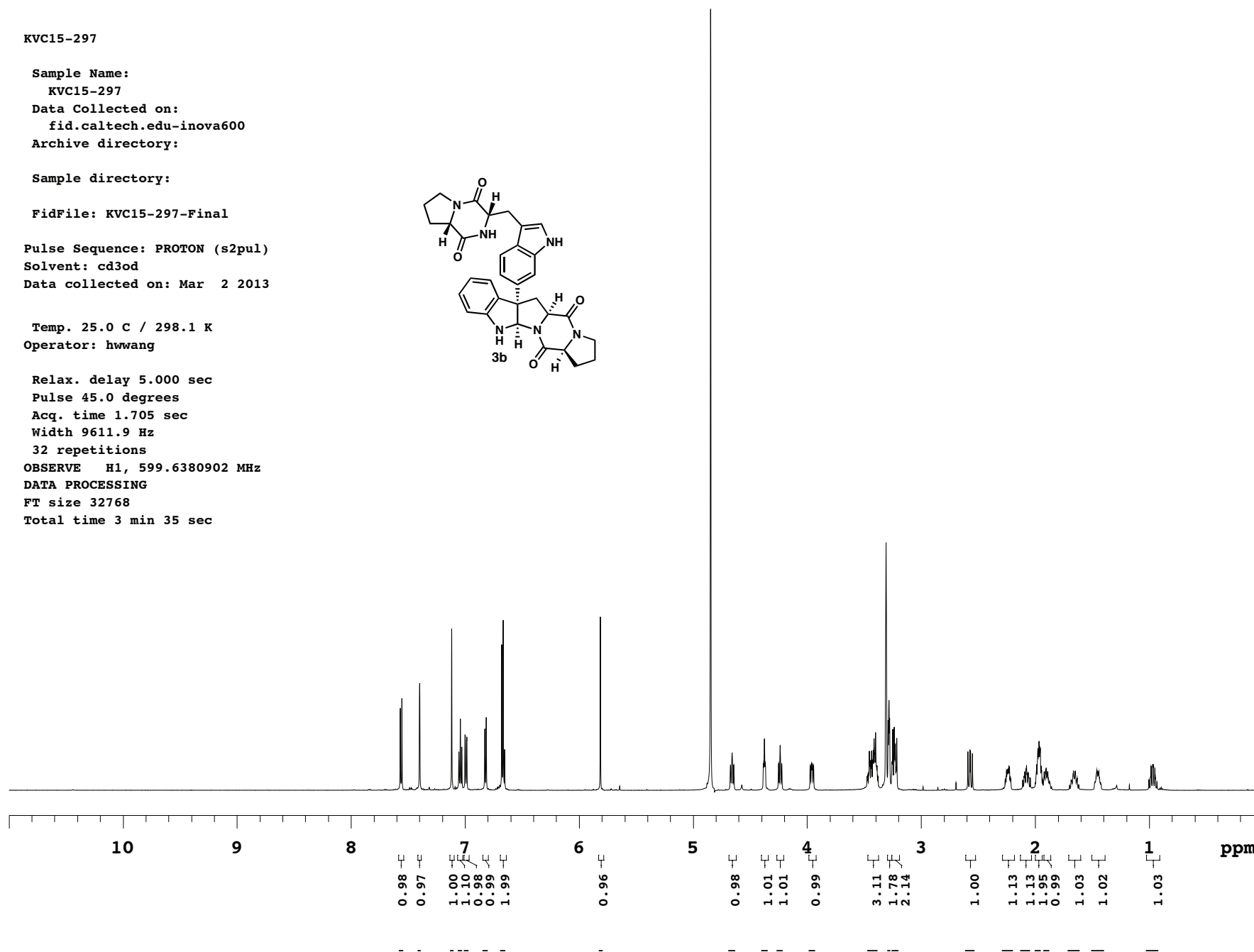
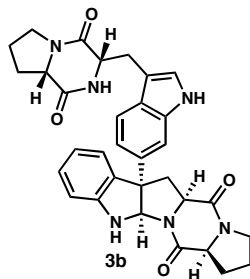
32 repetitions

OBSERVE H1, 599.6380902 MHz

DATA PROCESSING

FT size 32768

Total time 3 min 35 sec



KVC15-297

Sample Name:

KVC15-297

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

KVC15-297

FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)

Solvent: cd3od

Data collected on: Mar 2 2013

Sample #46, Operator: kangway

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

5000 repetitions

OBSERVE C13, 125.6512180 MHz

DECOUPLE H1, 499.7093819 MHz

Power 39 dB

continuously on

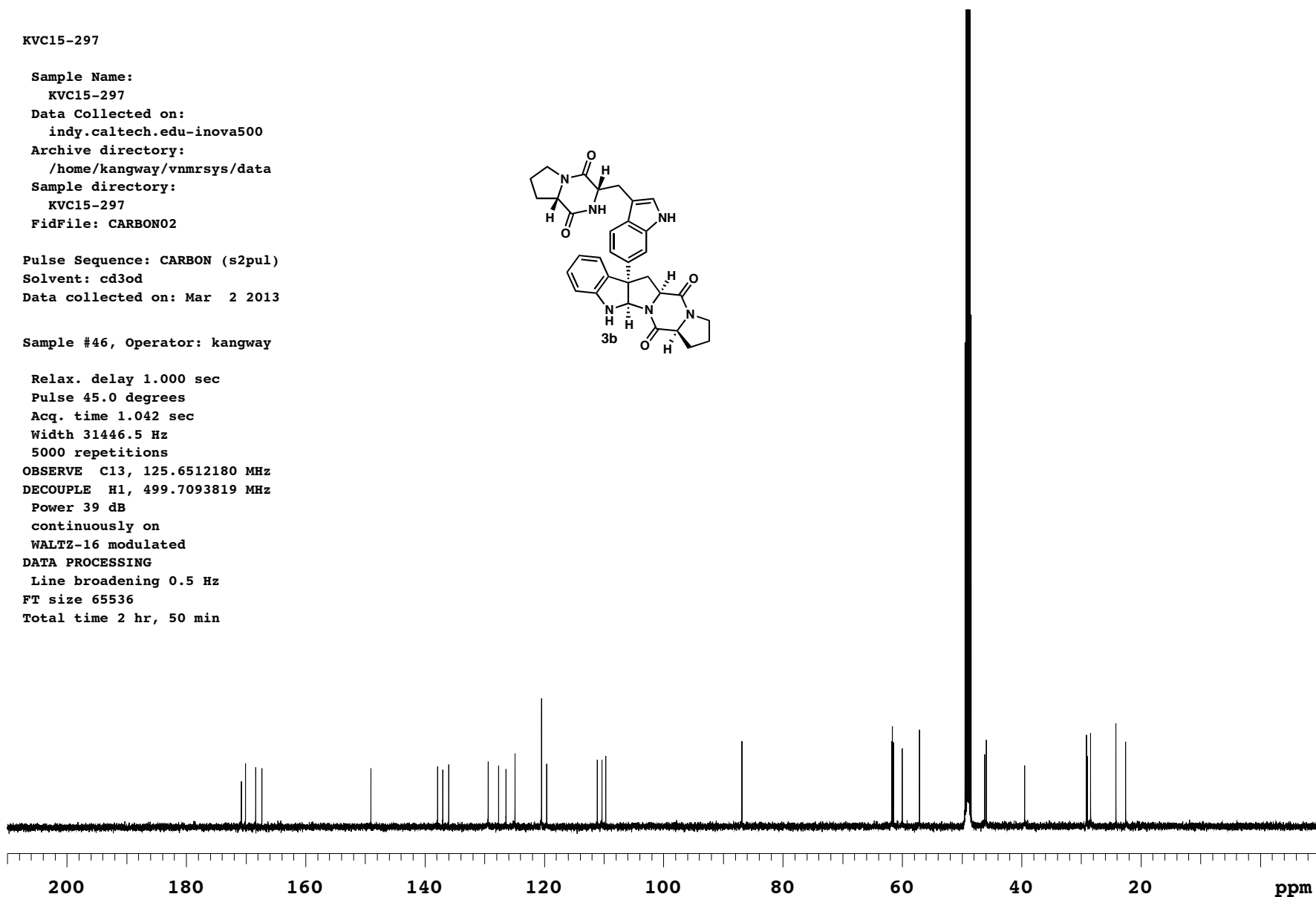
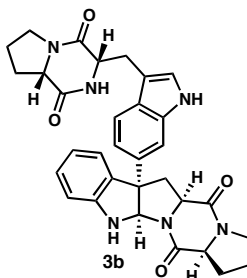
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 2 hr, 50 min



KVC16-015
(+)-Nasesezazine B

Sample Name:
KVC16-015
Data Collected on:
fid.caltech.edu-inova600
Archive directory:

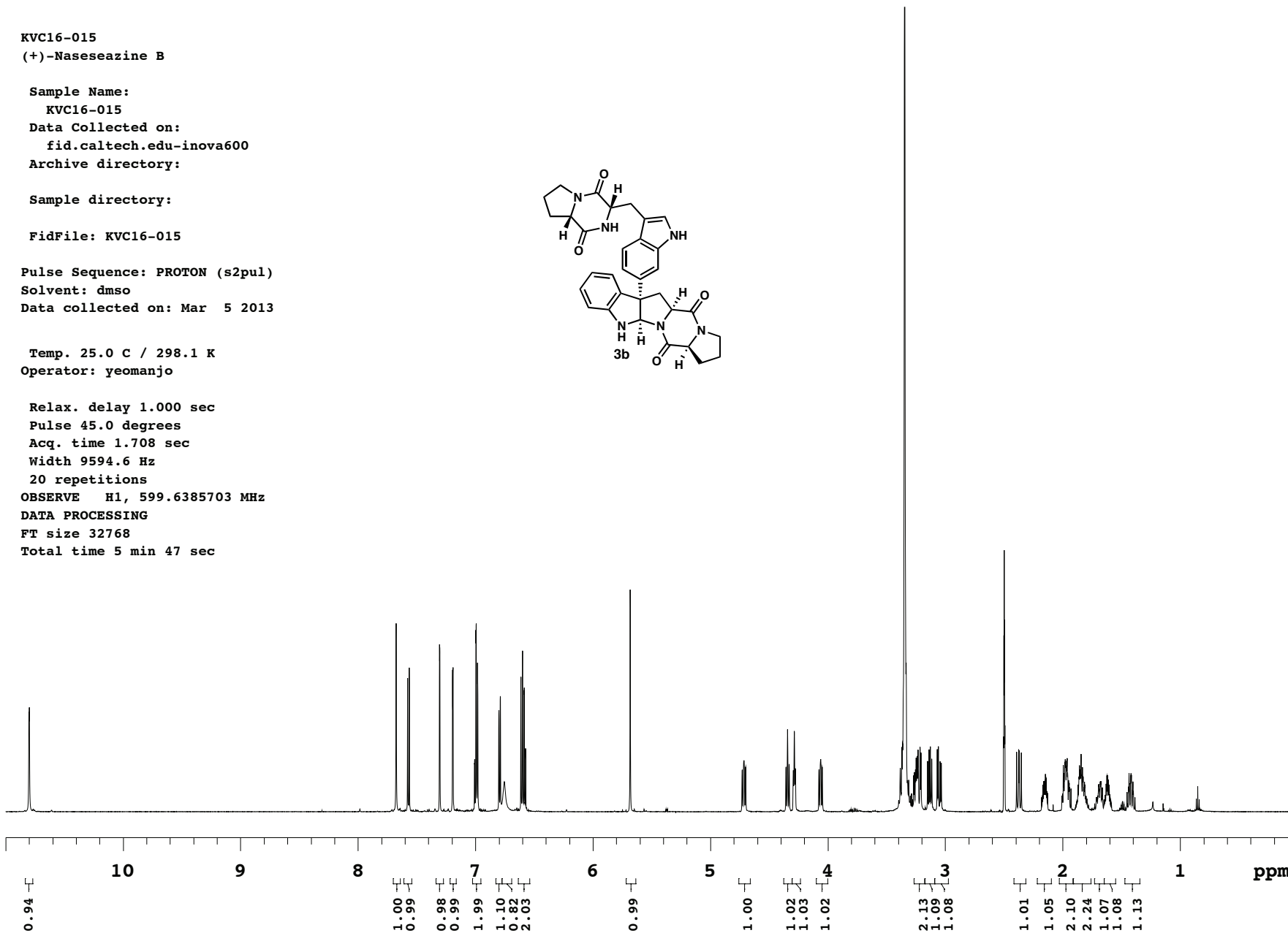
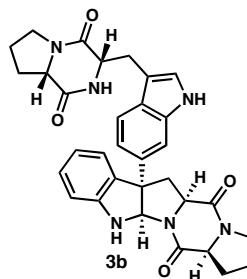
Sample directory:

FidFile: KVC16-015

Pulse Sequence: PROTON (s2pul)
Solvent: dms0
Data collected on: Mar 5 2013

Temp. 25.0 C / 298.1 K
Operator: yeomanjo

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.708 sec
Width 9594.6 Hz
20 repetitions
OBSERVE H1, 599.6385703 MHz
DATA PROCESSING
FT size 32768
Total time 5 min 47 sec



KVC16-017

Sample Name:

KVC16-017

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/kangway/vnmrsys/data

Sample directory:

KVC16-017

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: dmso

Data collected on: Mar 5 2013

Sample #33, Operator: kangway

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

3000 repetitions

OBSERVE C13, 125.6515529 MHz

DECOUPLE H1, 499.7097867 MHz

Power 39 dB

continuously on

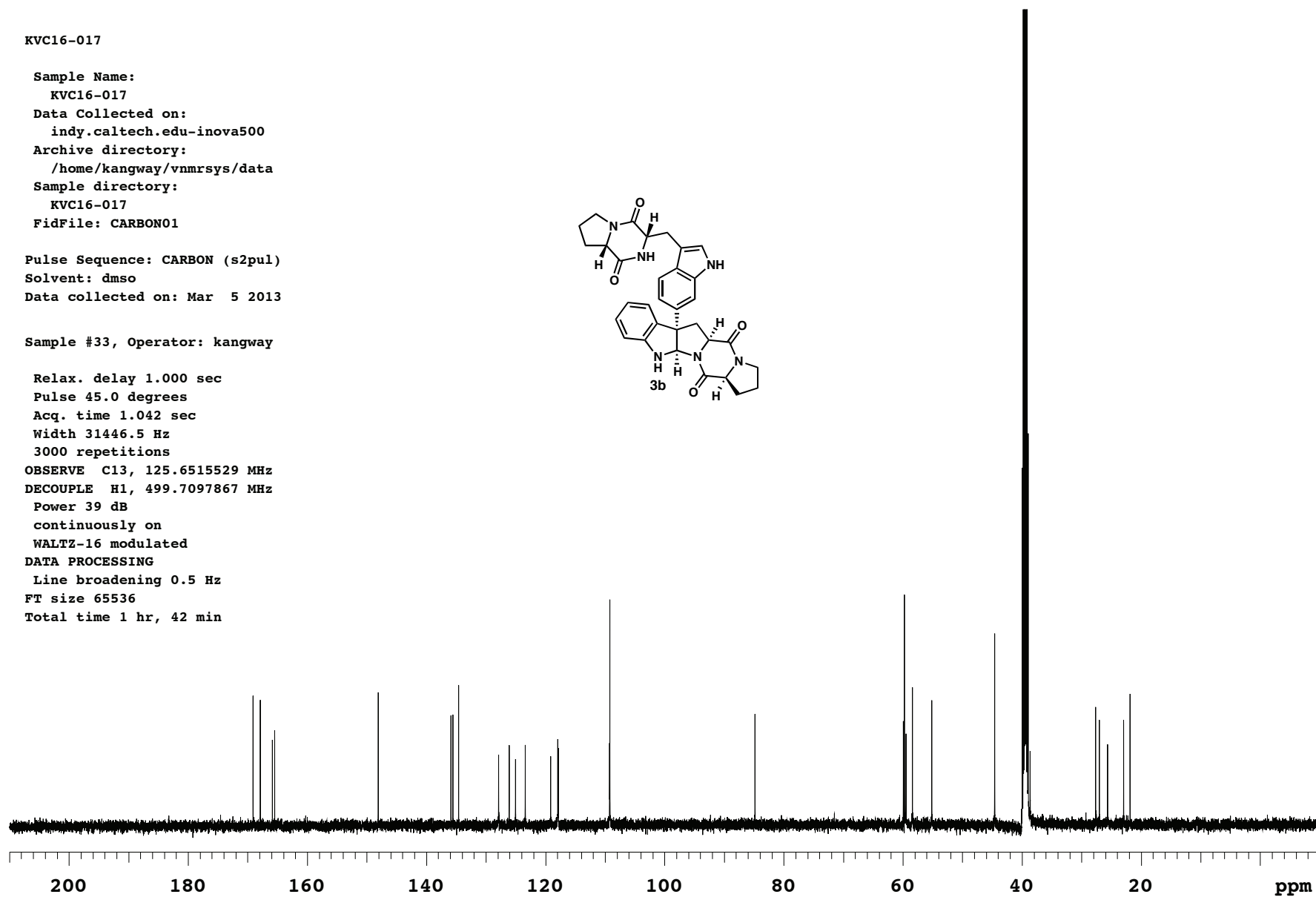
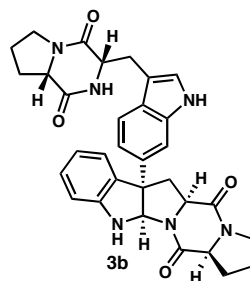
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 1 hr, 42 min



KVC15-105

Sample Name:

KVC15-105

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC15-105

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 5 2013

Sample #40, Operator: mkieffer

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7995.2 Hz

32 repetitions

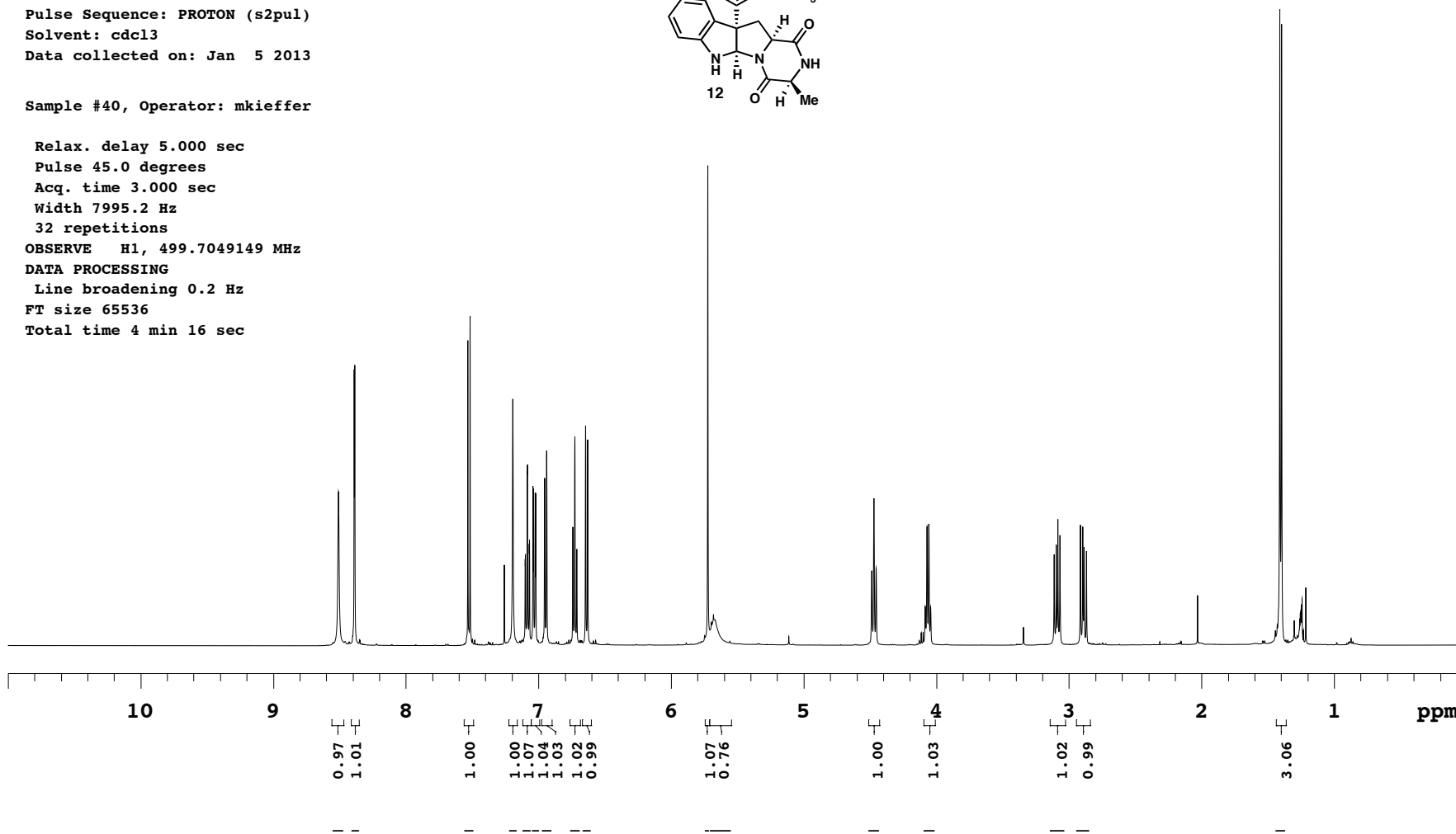
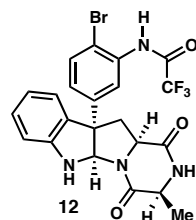
OBSERVE H1, 499.7049149 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 16 sec



KVC15-105

Sample Name:

KVC15-105

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

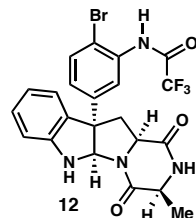
KVC15-105

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 5 2013



Sample #40, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31409.5 Hz

256 repetitions

OBSERVE C13, 125.6509120 MHz

DECOUPLE H1, 499.7074131 MHz

Power 39 dB

continuously on

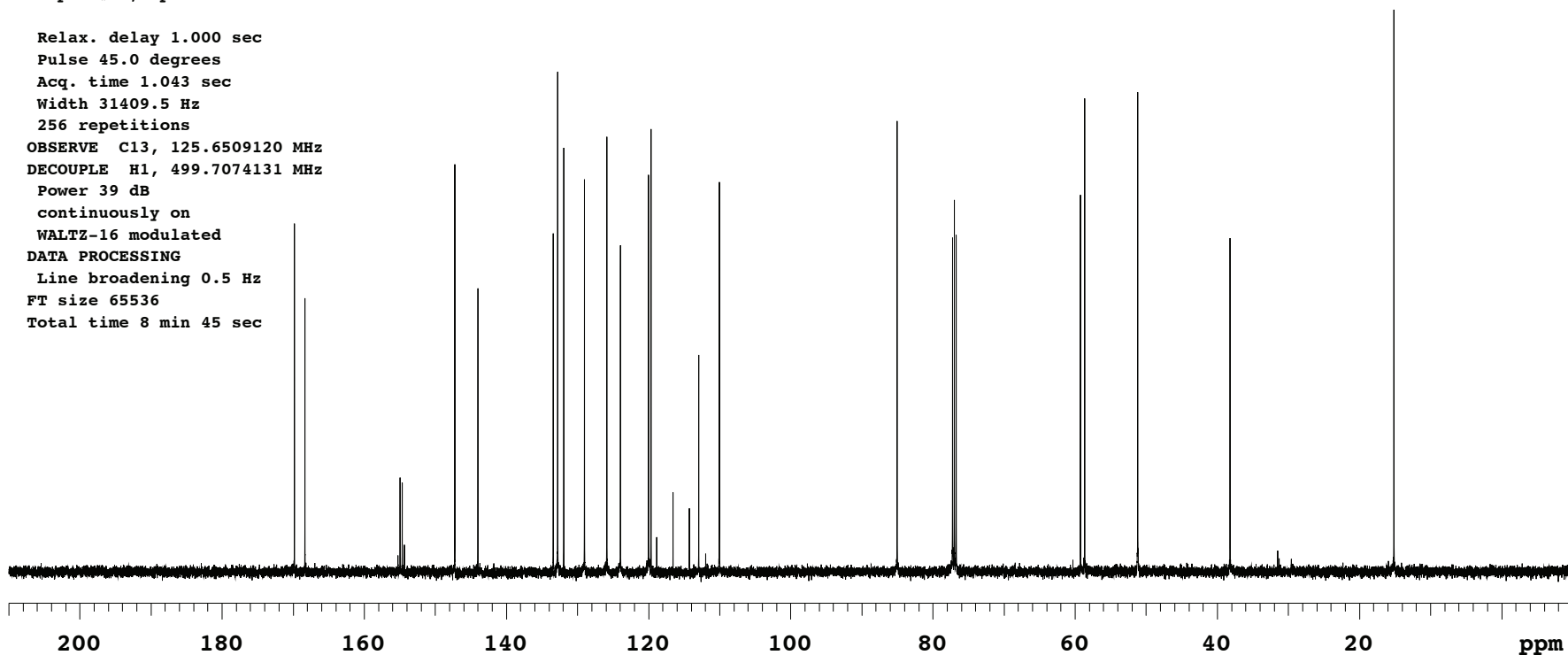
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 8 min 45 sec

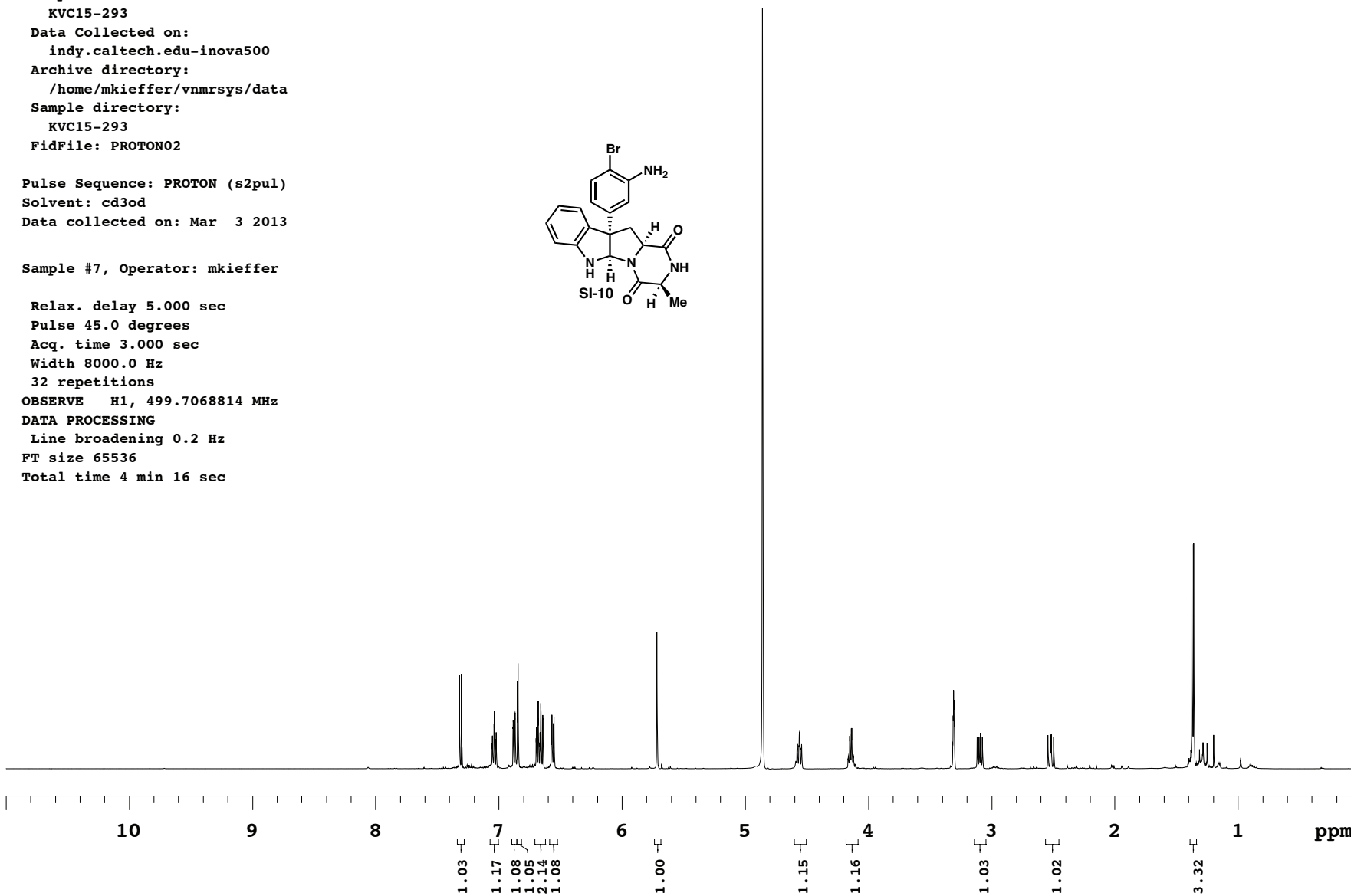
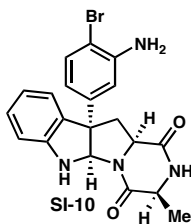


Sample Name:
KVC15-293
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-293
FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)
Solvent: cd3od
Data collected on: Mar 3 2013

Sample #7, Operator: mkieffer

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7068814 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 16 sec

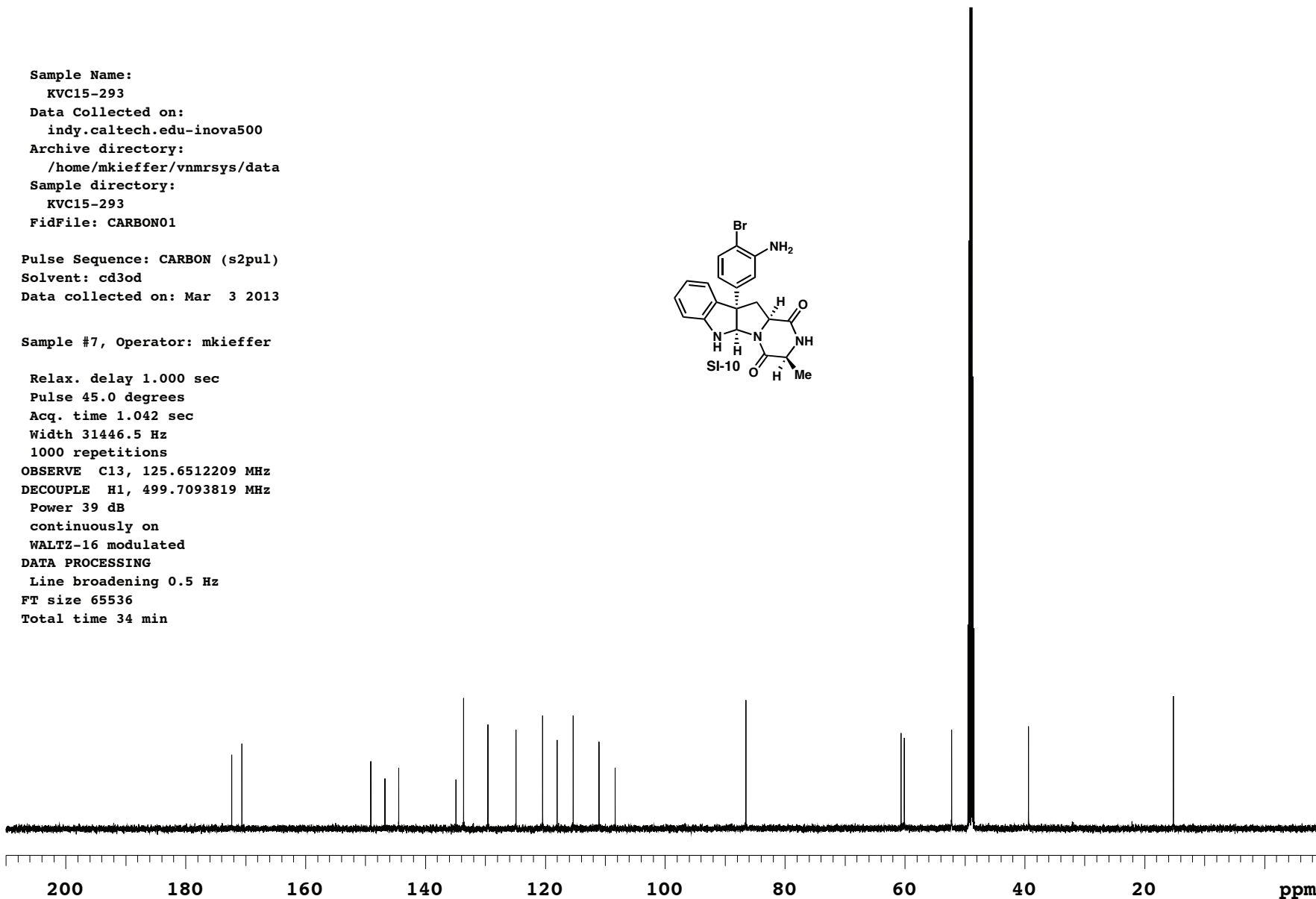
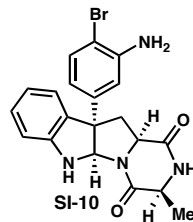


Sample Name:
KVC15-293
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/mkieffer/vnmrsys/data
Sample directory:
KVC15-293
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)
Solvent: cd3od
Data collected on: Mar 3 2013

Sample #7, Operator: mkieffer

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6512209 MHz
DECOUPLE H1, 499.7093819 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 34 min



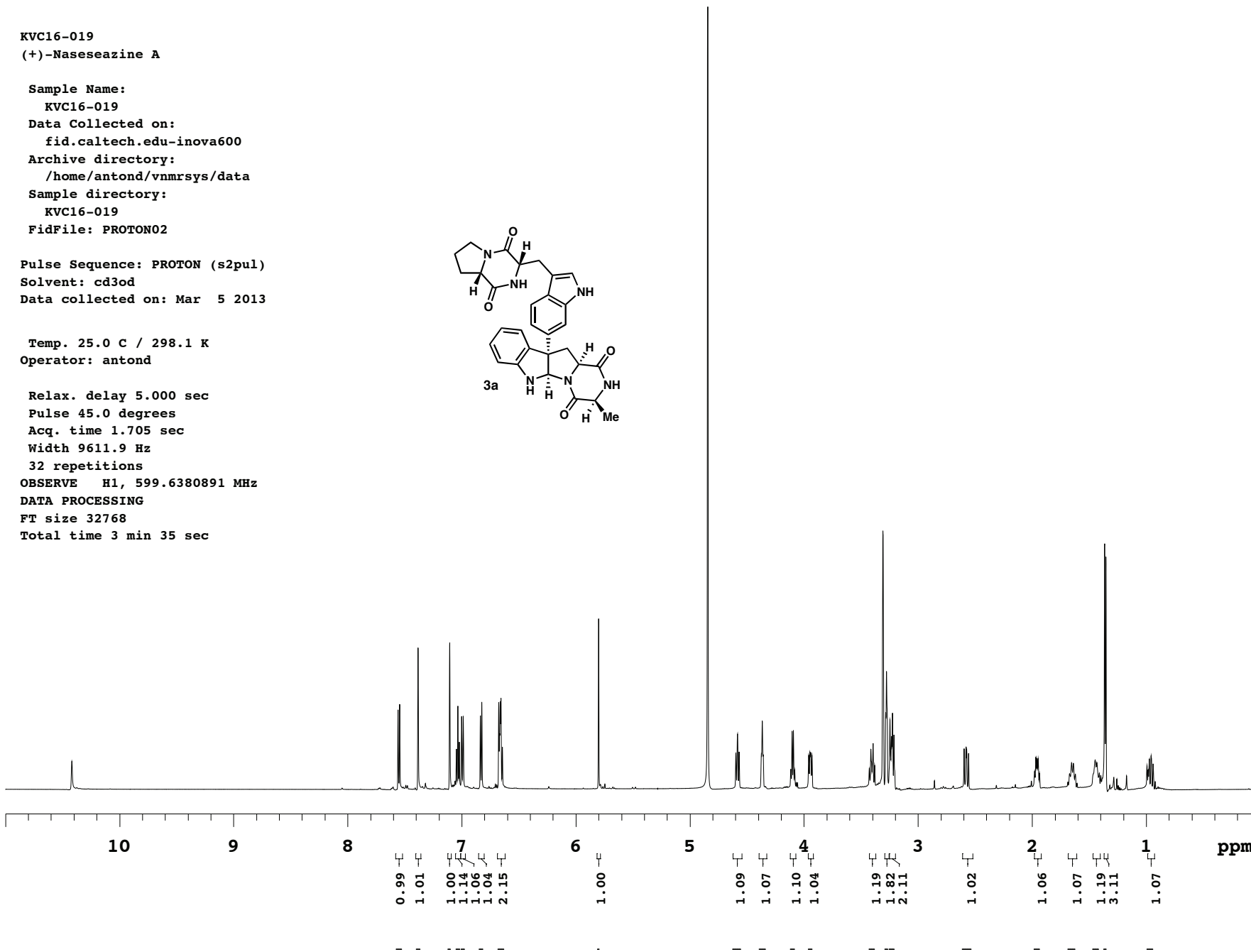
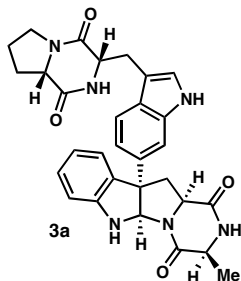
KVC16-019
(+)-Nasesezazine A

Sample Name:
KVC16-019
Data Collected on:
fid.caltech.edu-inova600
Archive directory:
/home/antond/vnmrSYS/data
Sample directory:
KVC16-019
FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)
Solvent: cd3od
Data collected on: Mar 5 2013

Temp. 25.0 C / 298.1 K
Operator: antond

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 1.705 sec
Width 9611.9 Hz
32 repetitions
OBSERVE H1, 599.6380891 MHz
DATA PROCESSING
FT size 32768
Total time 3 min 35 sec



KVC16-019

Sample Name:

KVC16-019

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/mkieffer/vnmrsys/data

Sample directory:

KVC16-019

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cd3od

Data collected on: Mar 5 2013

Sample #8, Operator: mkieffer

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1500 repetitions

OBSERVE C13, 125.6512190 MHz

DECOUPLE H1, 499.7093819 MHz

Power 39 dB

continuously on

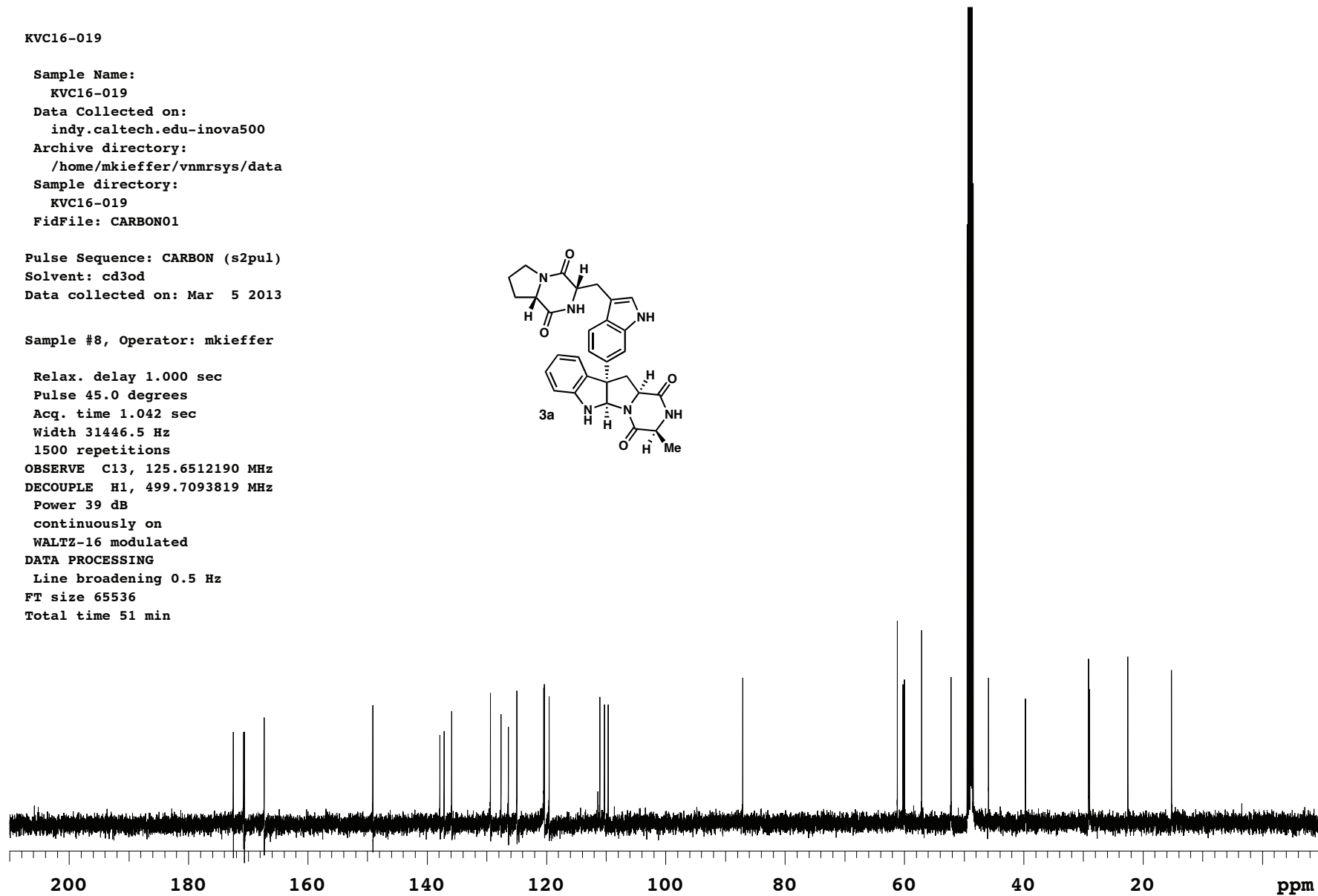
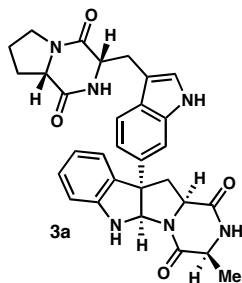
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 51 min



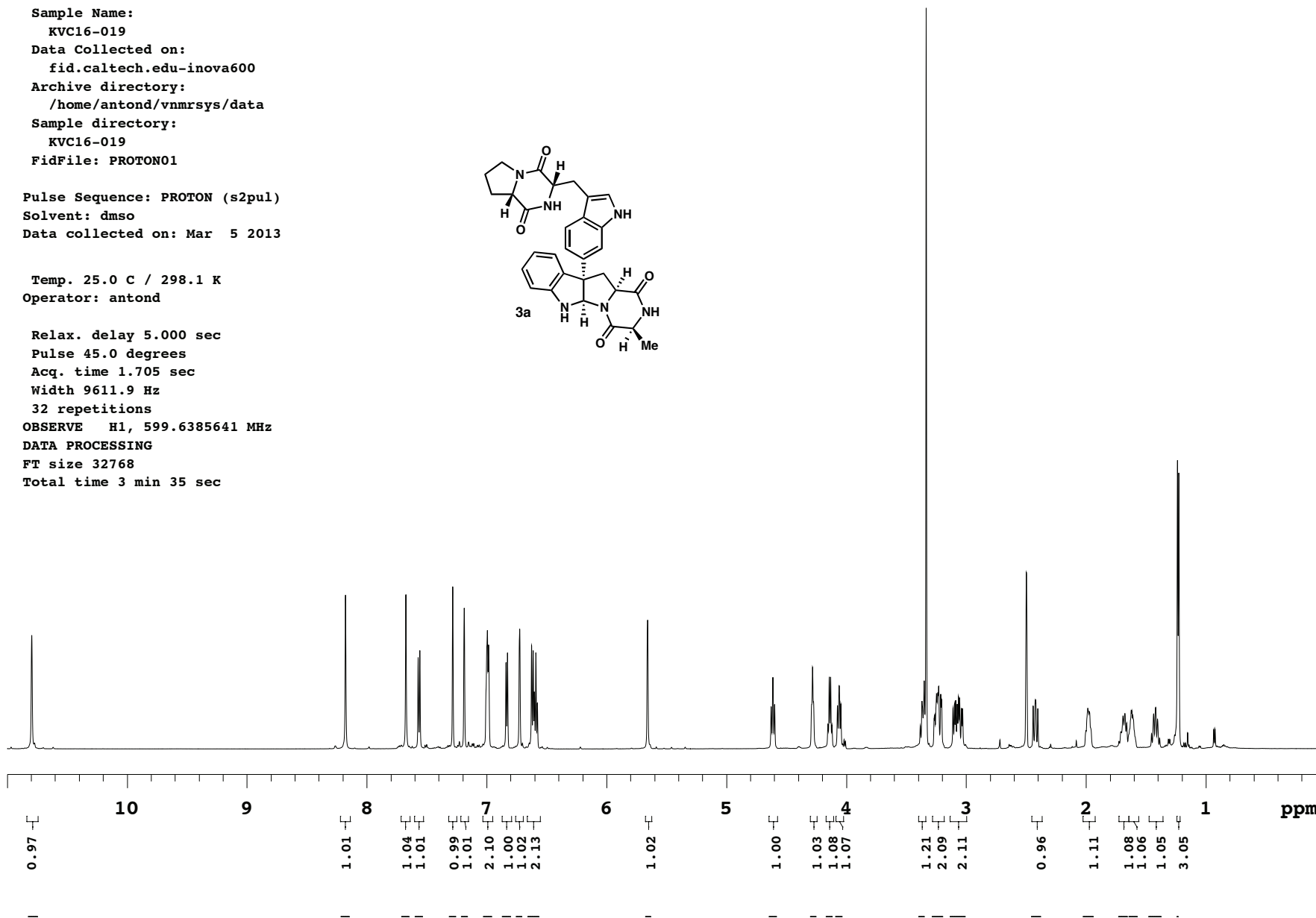
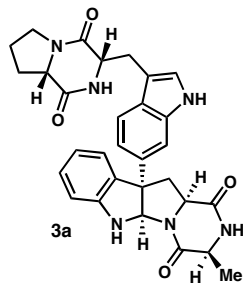
KVC16-019
(+)-Nasesezazine A

Sample Name:
KVC16-019
Data Collected on:
fid.caltech.edu-inova600
Archive directory:
/home/antond/vnmrsys/data
Sample directory:
KVC16-019
FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)
Solvent: dmsd
Data collected on: Mar 5 2013

Temp. 25.0 C / 298.1 K
Operator: antond

Relax. delay 5.000 sec
Pulse 45.0 degrees
Acq. time 1.705 sec
Width 9611.9 Hz
32 repetitions
OBSERVE H1, 599.6385641 MHz
DATA PROCESSING
FT size 32768
Total time 3 min 35 sec



KVC16-019
(+)-Nasesezazine A

Sample Name:
KVC16-019
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/kangway/vnmrsys/data
Sample directory:
KVC16-019
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)
Solvent: dmsO
Data collected on: Mar 5 2013

Sample #7, Operator: kangway

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1500 repetitions
OBSERVE C13, 125.6515538 MHz
DECOUPLE H1, 499.7097867 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 51 min

