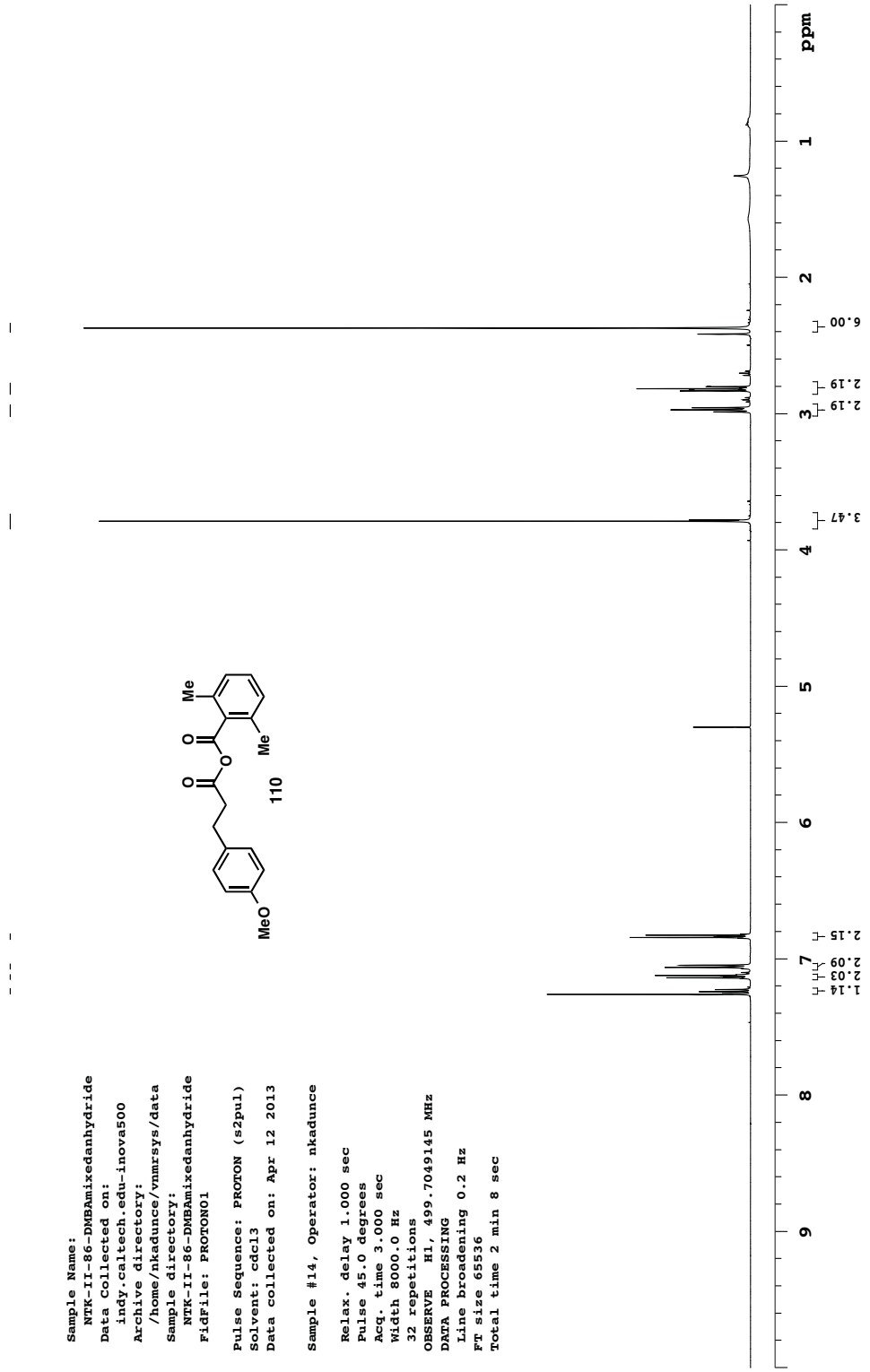
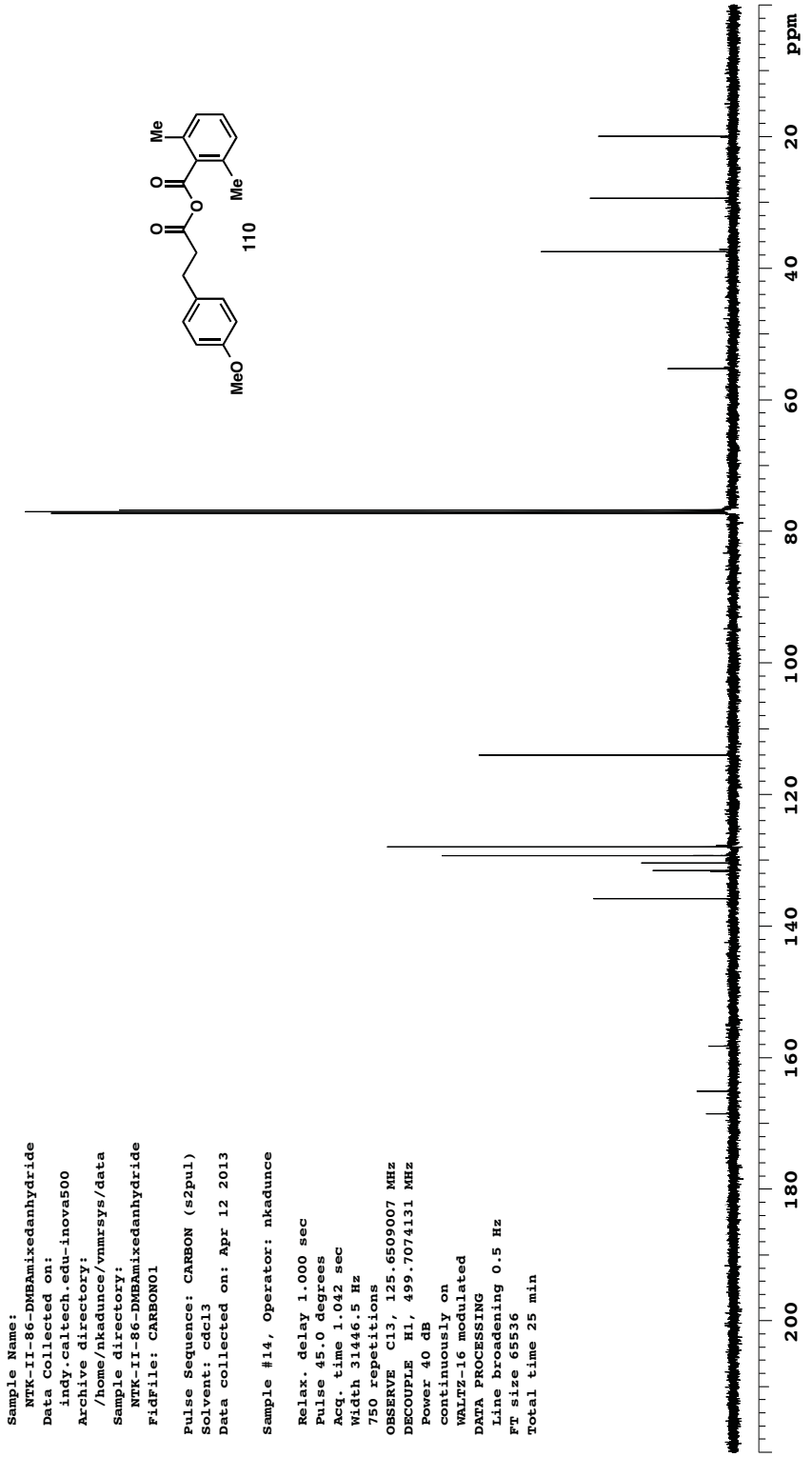
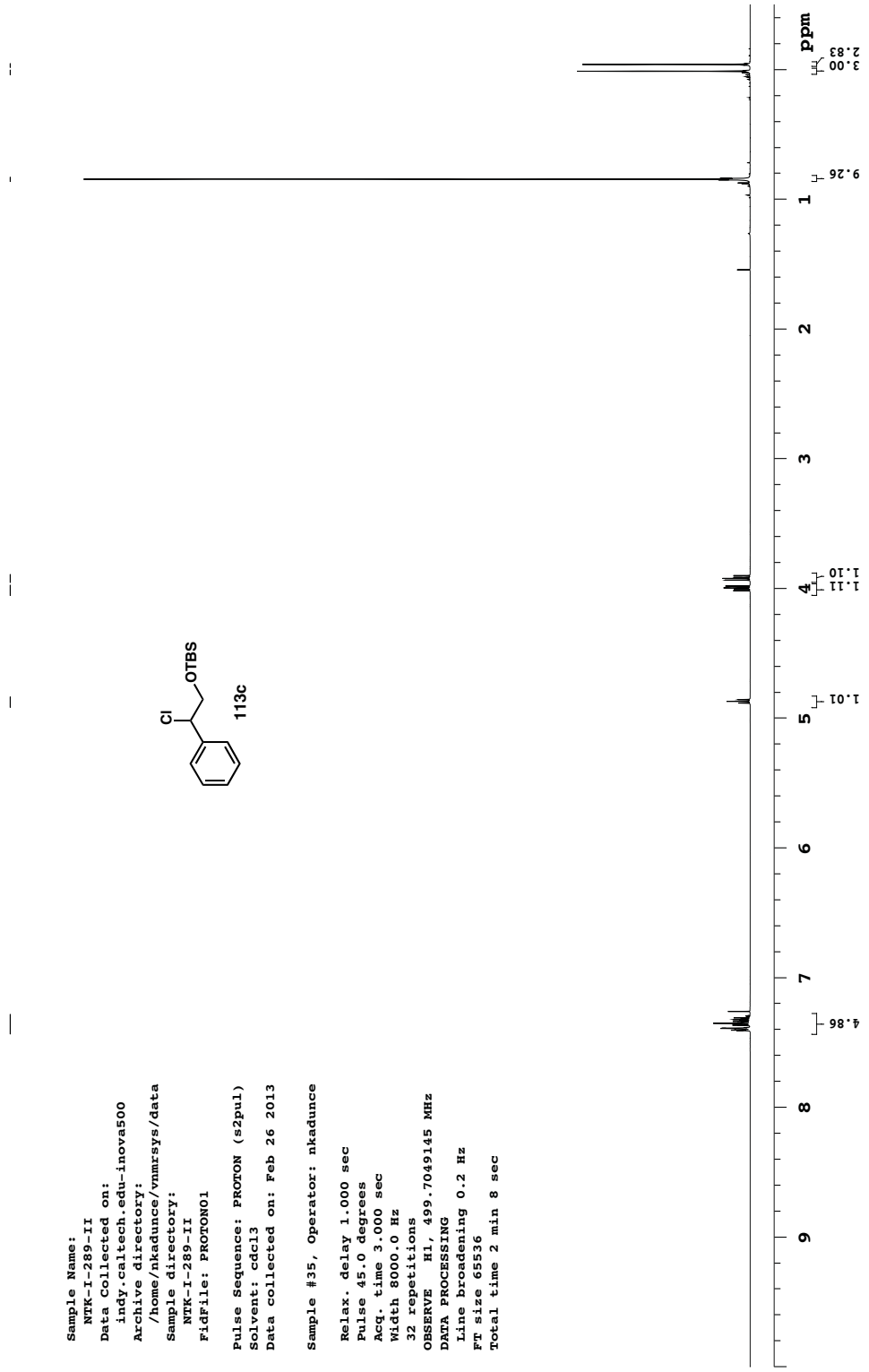
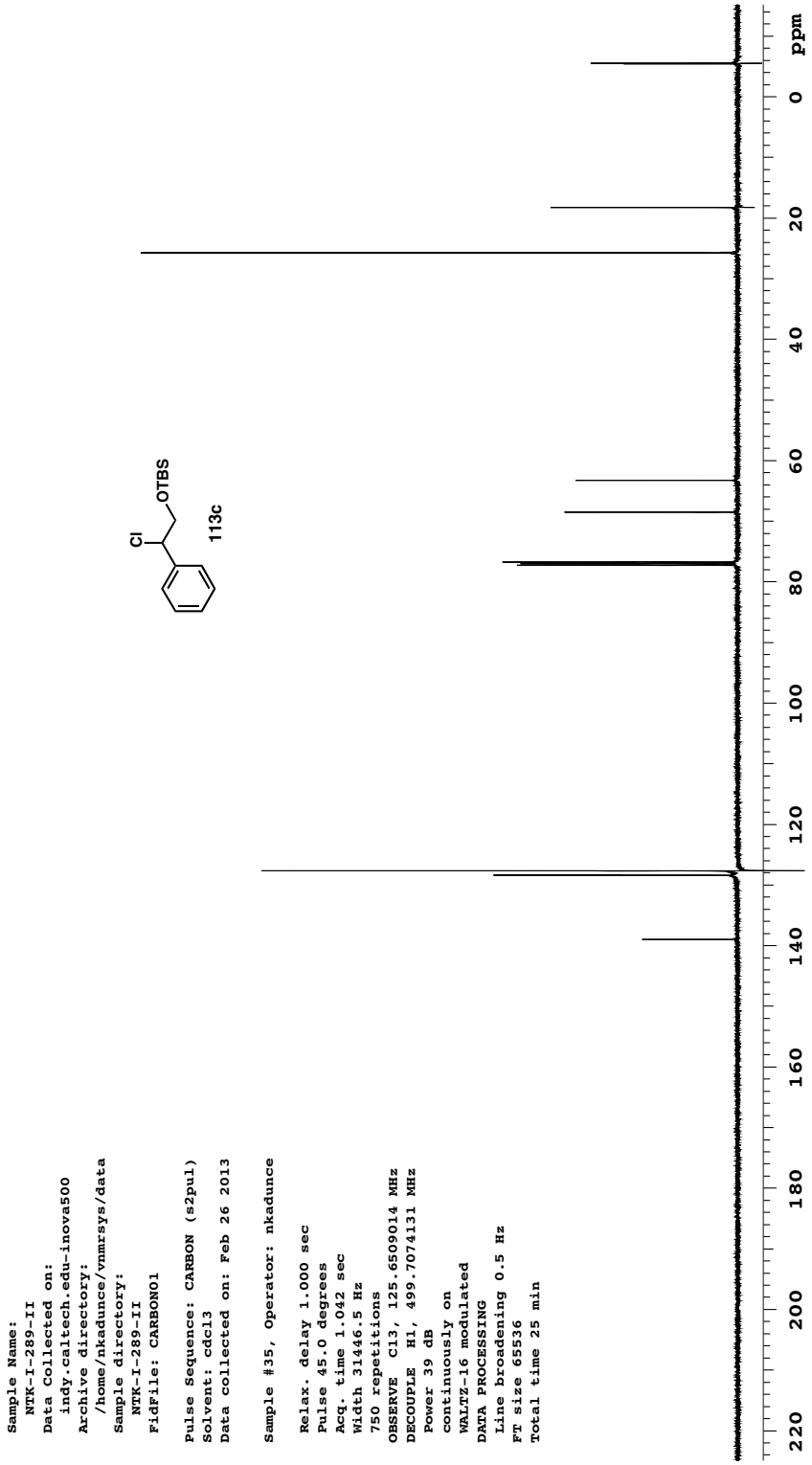
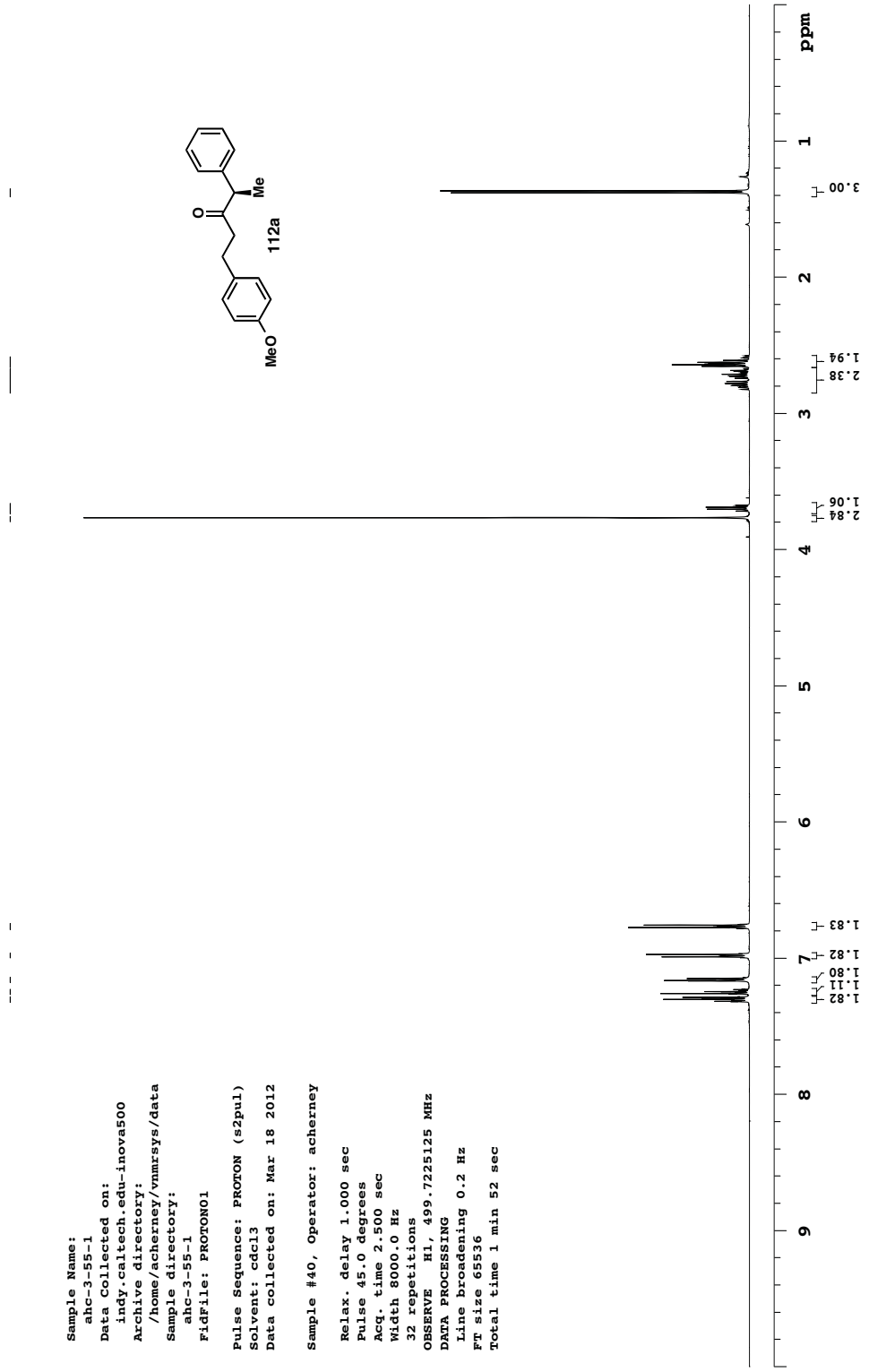
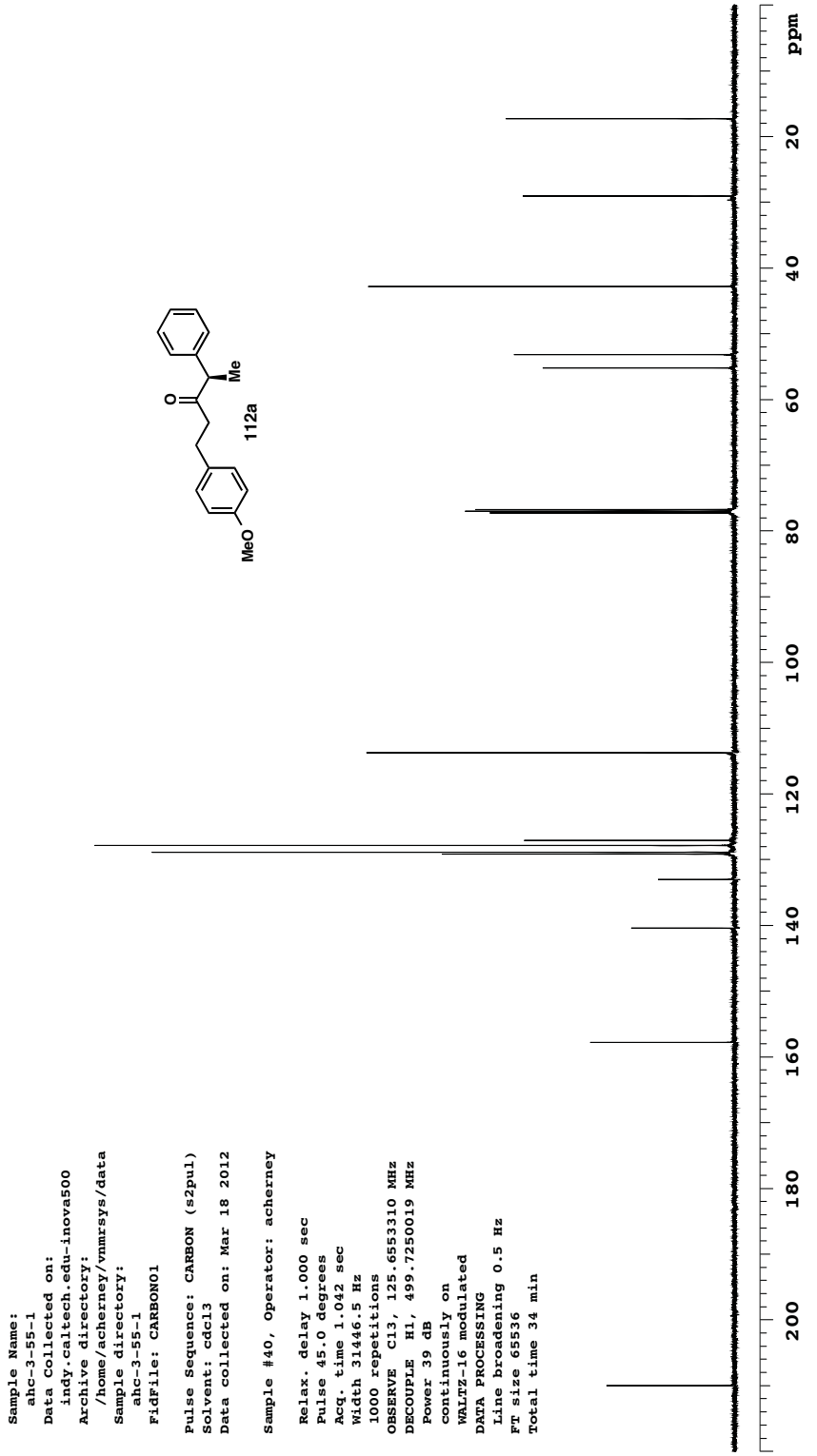

Sample Name:
NTK-II-86-DMBAmixedanhydride
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-86-DMBAmixedanhydride
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Apr 12 2013
Sample #14, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
Me
O
O
O
Me
O
MeO
110
6.00
2.19
2.19
3.47
2.15
1.14
2.03
2.09
ppm

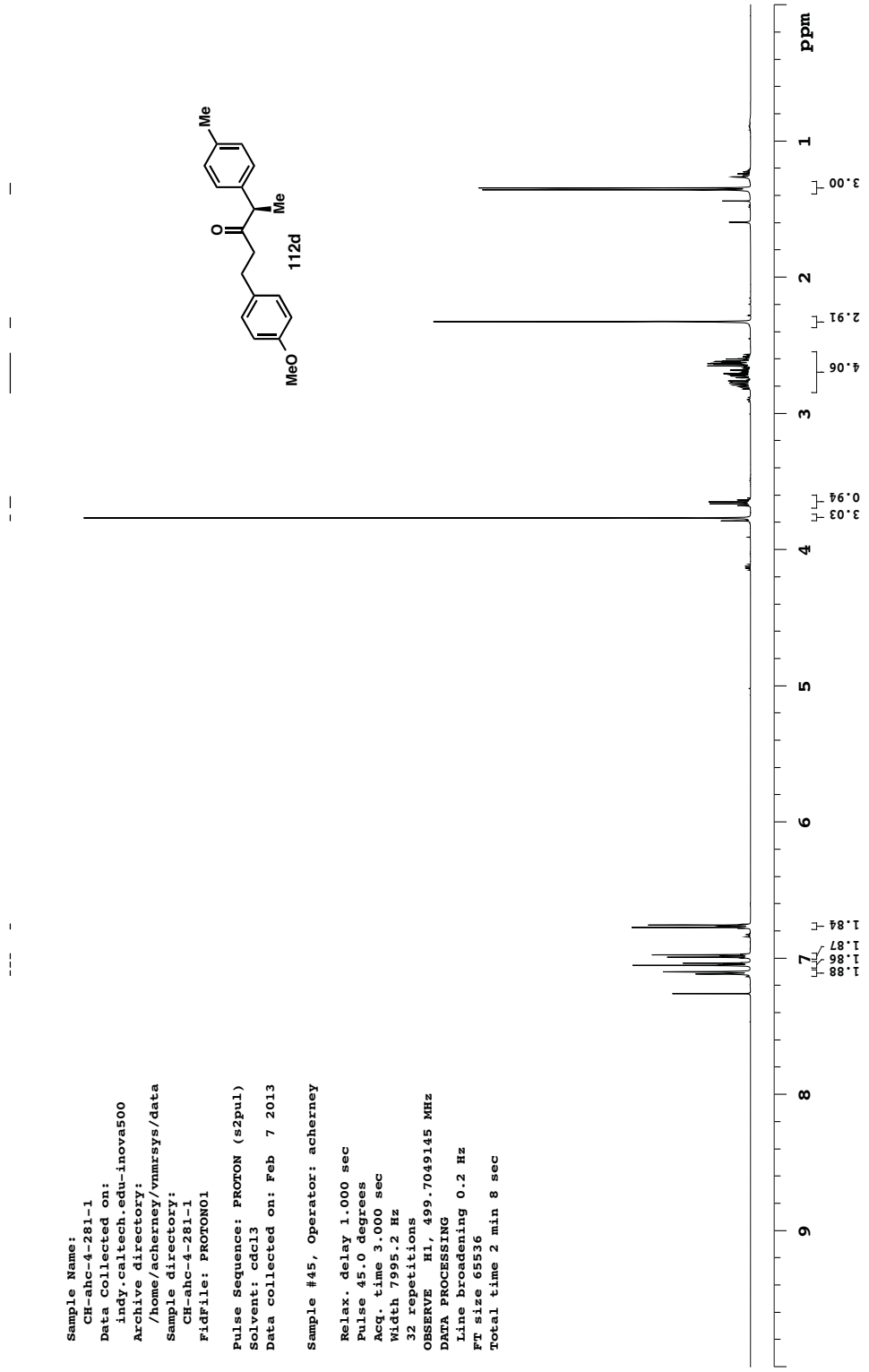

Sample Name:
NTK-II-86-DMBAmixedanhydride
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-86-DMBAmixedanhydride
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Apr 12 2013
Sample #14, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
750 repetitions
OBSERVE C13, 125.6509007 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 25 min
Me
O
O
O
Me
MeO
110
200
180
160
140
120
100
80
60
40
20
ppm

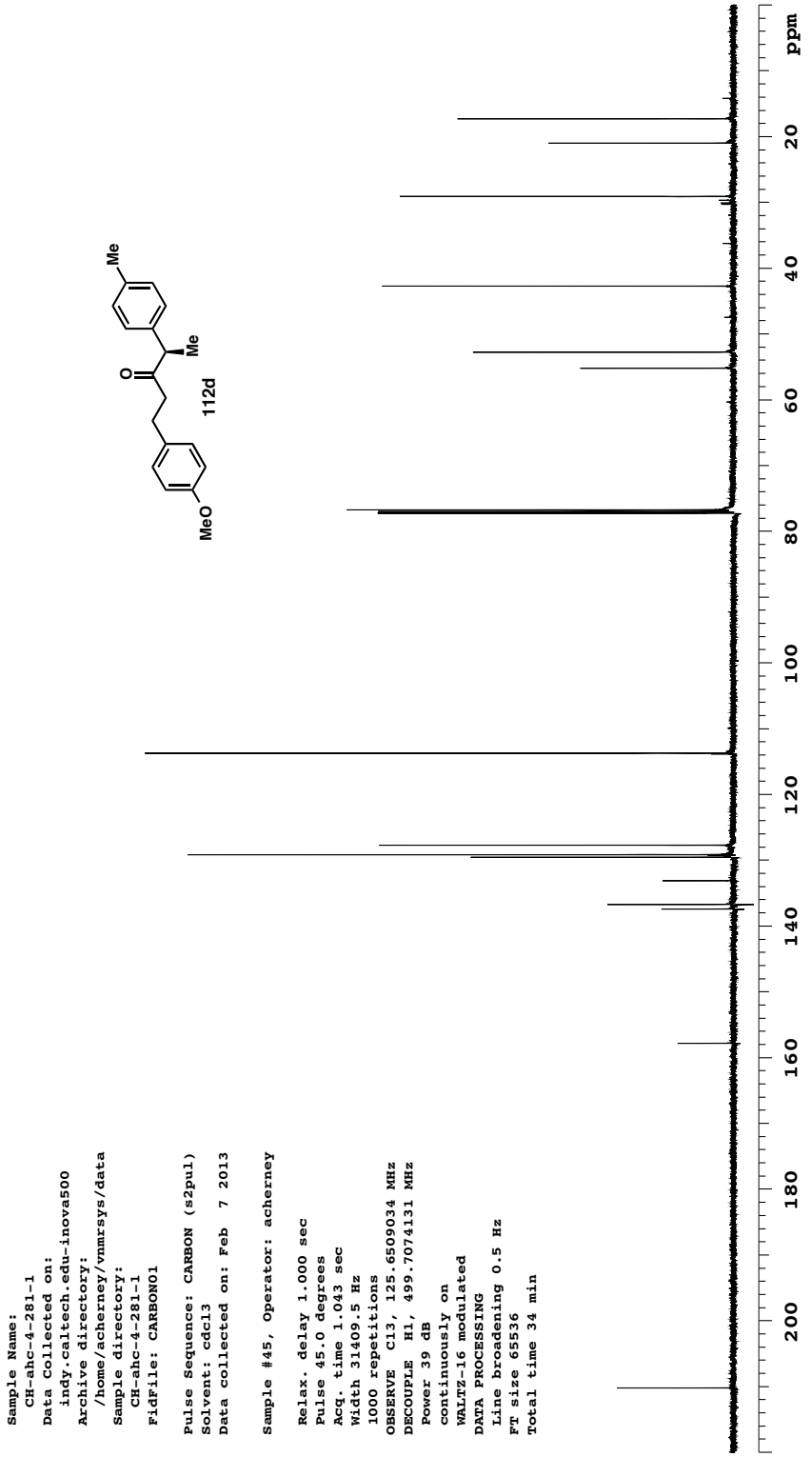

Sample Name:
NTK-I-289-II
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-I-289-II
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 26 2013
Sample #35, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
Cl
OTBS
113c
ppm
9
8
7
6
5
4
3
2
1
4.86
1.01
1.11
1.10
9.26
3.00
2.83

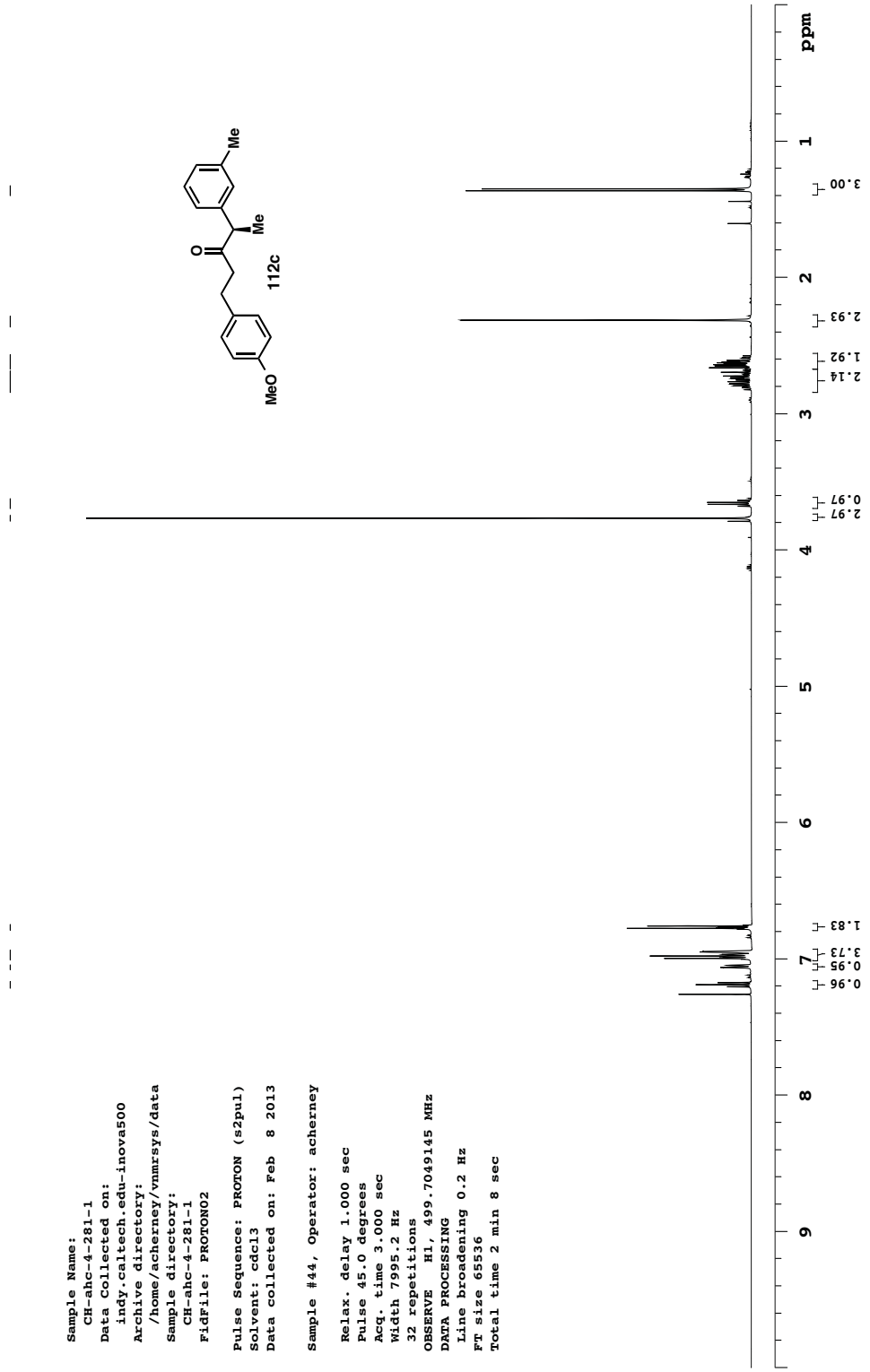

Sample Name:
NTK-I-289-II
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-I-289-II
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 26 2013
Sample #35, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
750 repetitions
OBSERVE C13, 125.6509014 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 25 min
Cl
OTBS
113c
220
200
180
160
140
120
100
80
60
40
20
0
ppm

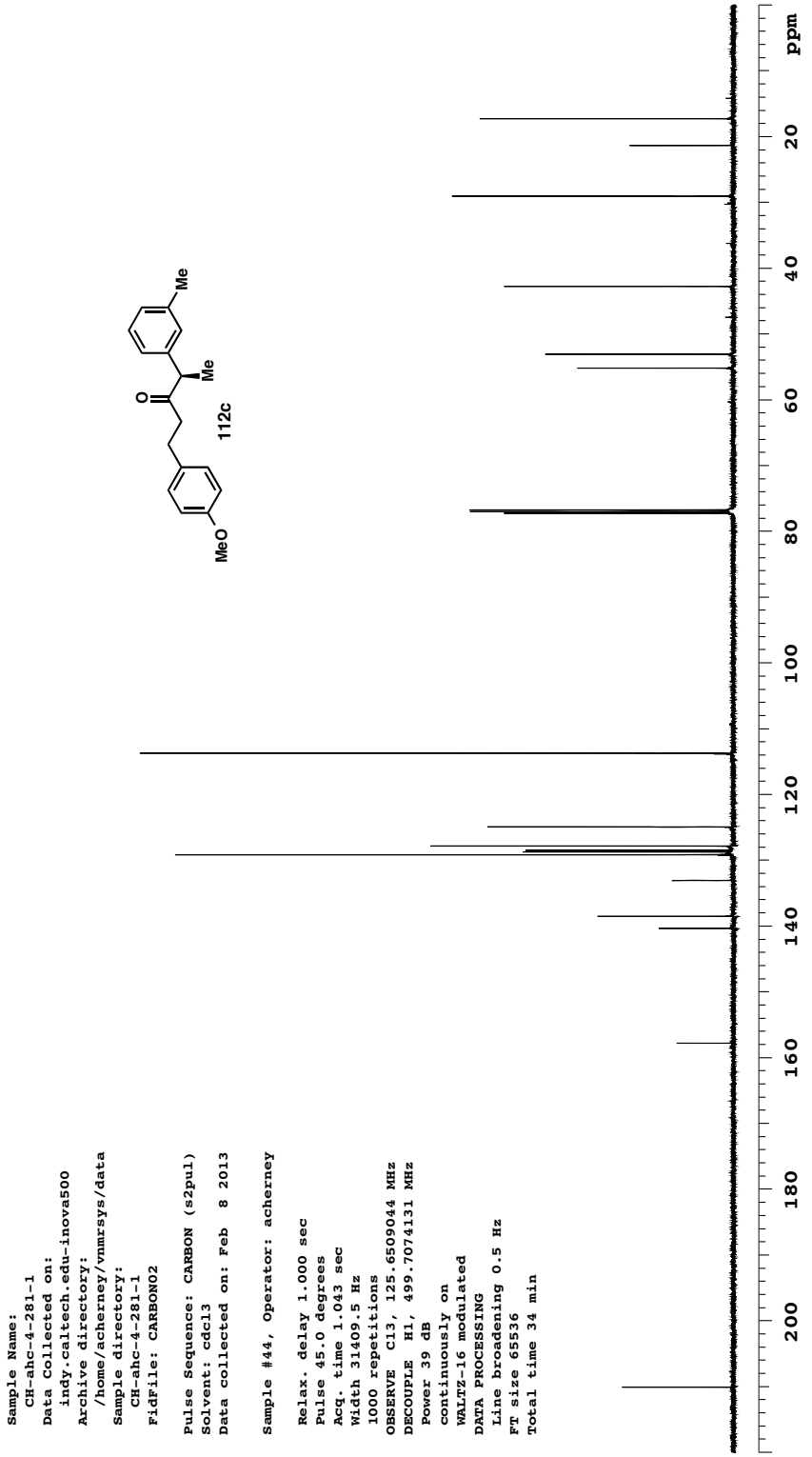

Sample Name:
ahc-3-55-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
ahc-3-55-1
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Mar 18 2012
Sample #40, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7225125 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min 52 sec
O
Me
MeO
112a
ppm
1
2
3
4
5
6
7
8
9
3.00
2.38
1.94
2.84
1.06
1.83
1.82
1.82
1.11
1.80

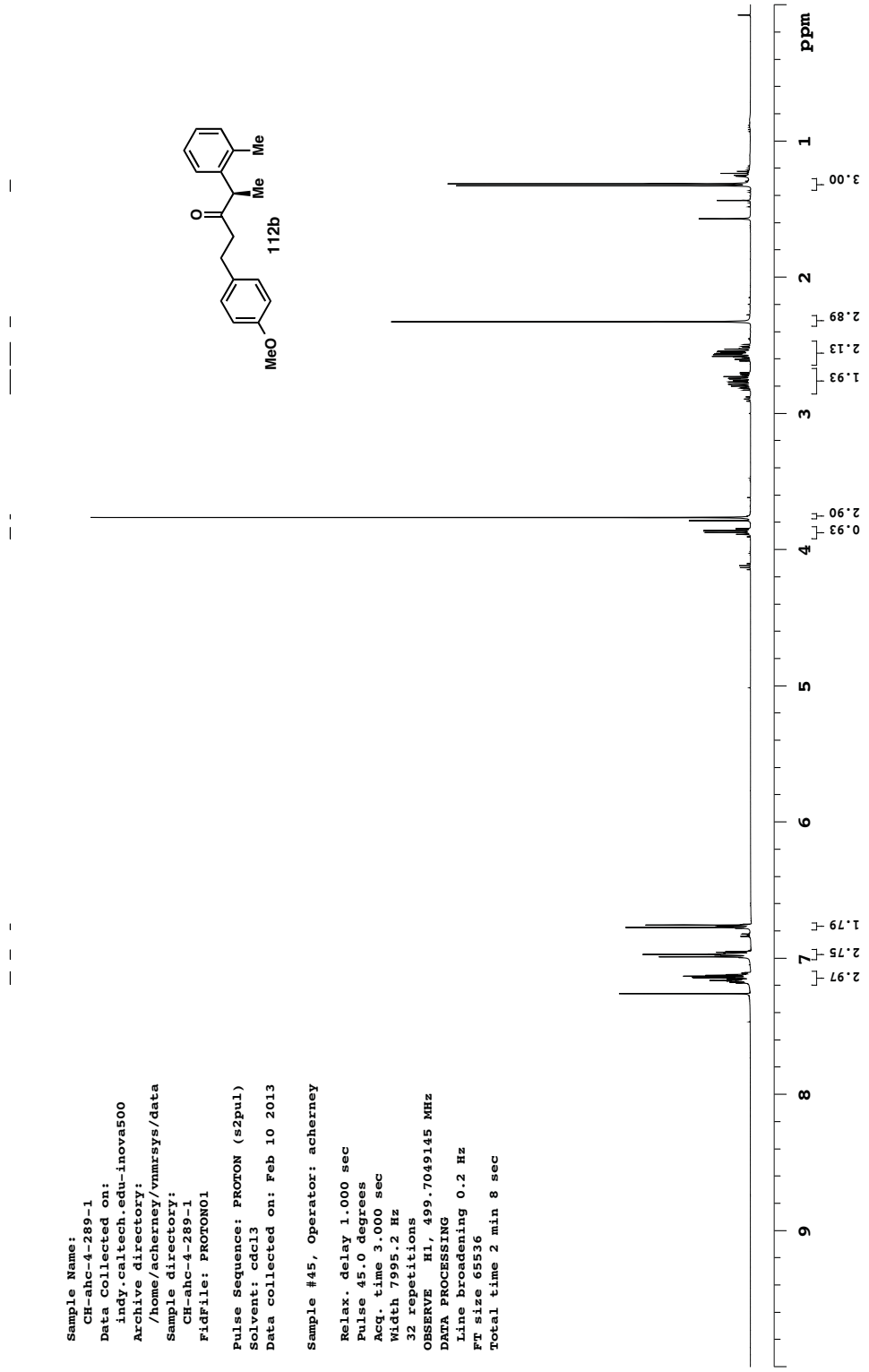

Sample Name:
ahc-3-55-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
ahc-3-55-1
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 18 2012
Sample #40, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6553310 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
O
Me
MeO
112a
200
180
160
140
120
100
80
60
40
20
ppm

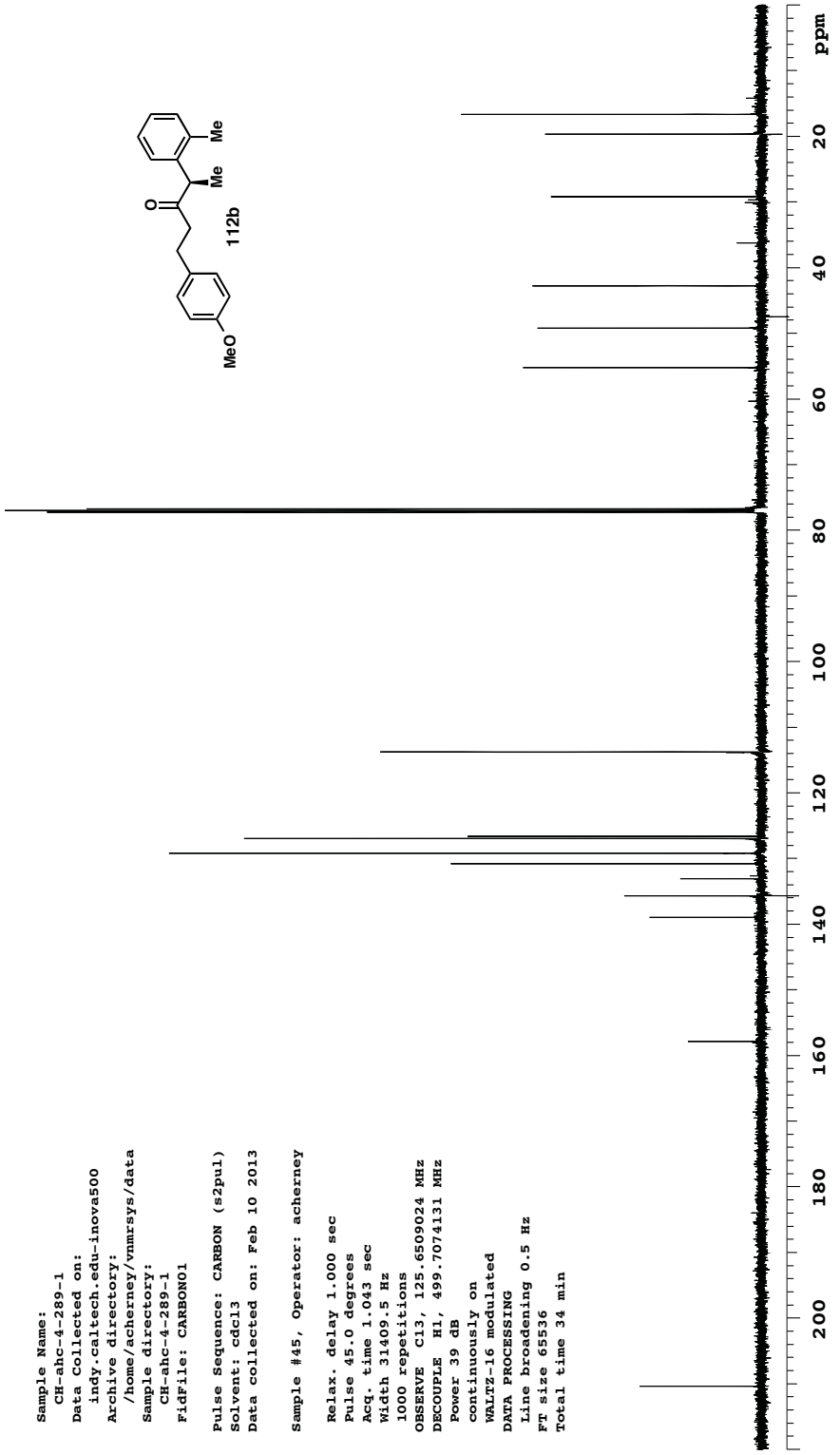

Sample Name:
CH-ahc-4-281-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-281-1
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 7 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
Me
Me
O
MeO
112d
ppm
1.88
1.86
1.87
1.84
3.03
0.94
2.91
4.06
3.00

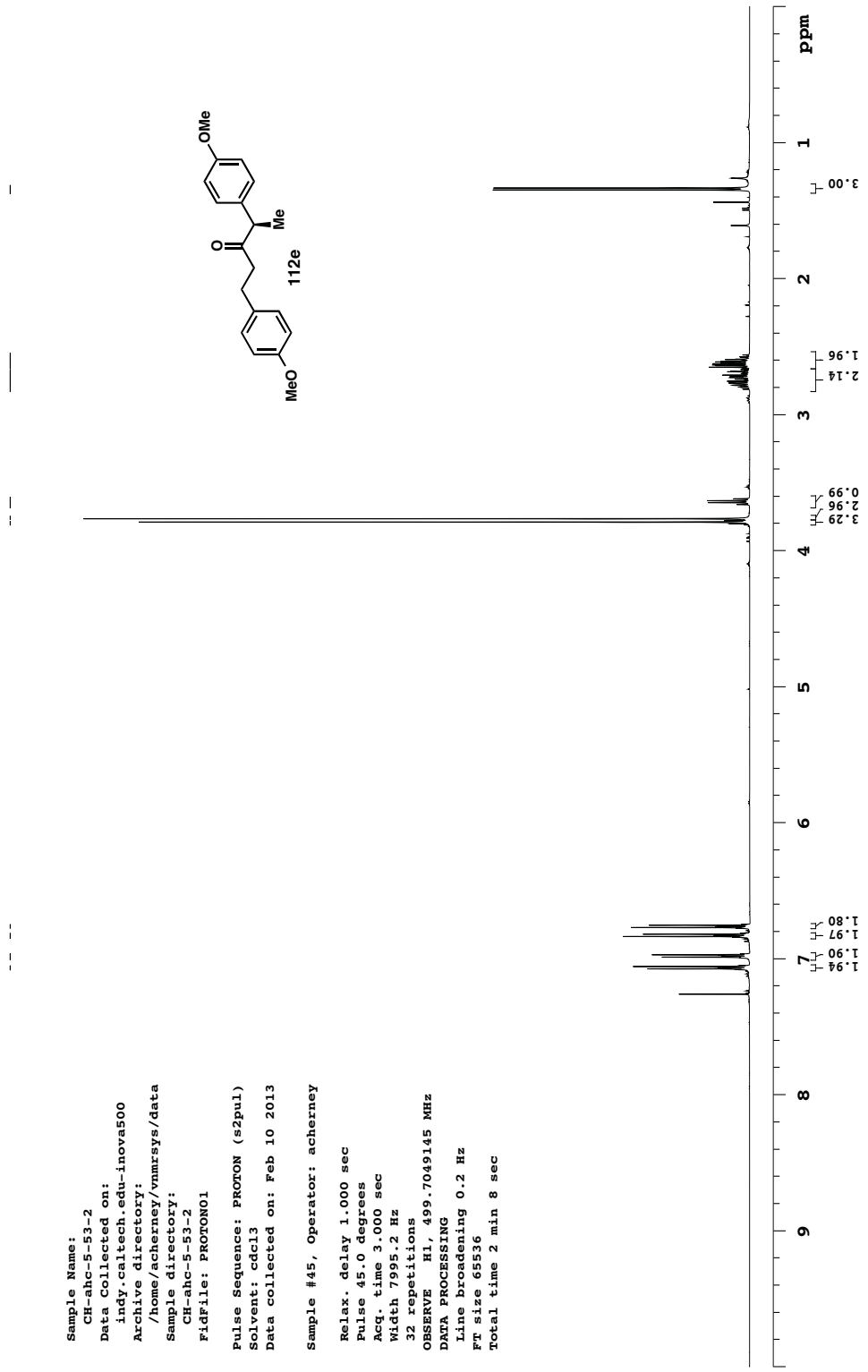

Sample Name:
CH-ahc-4-281-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-281-1
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 7 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
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
Me
Me
O
MeO
112d
200
180
160
140
120
100
80
60
40
20
ppm

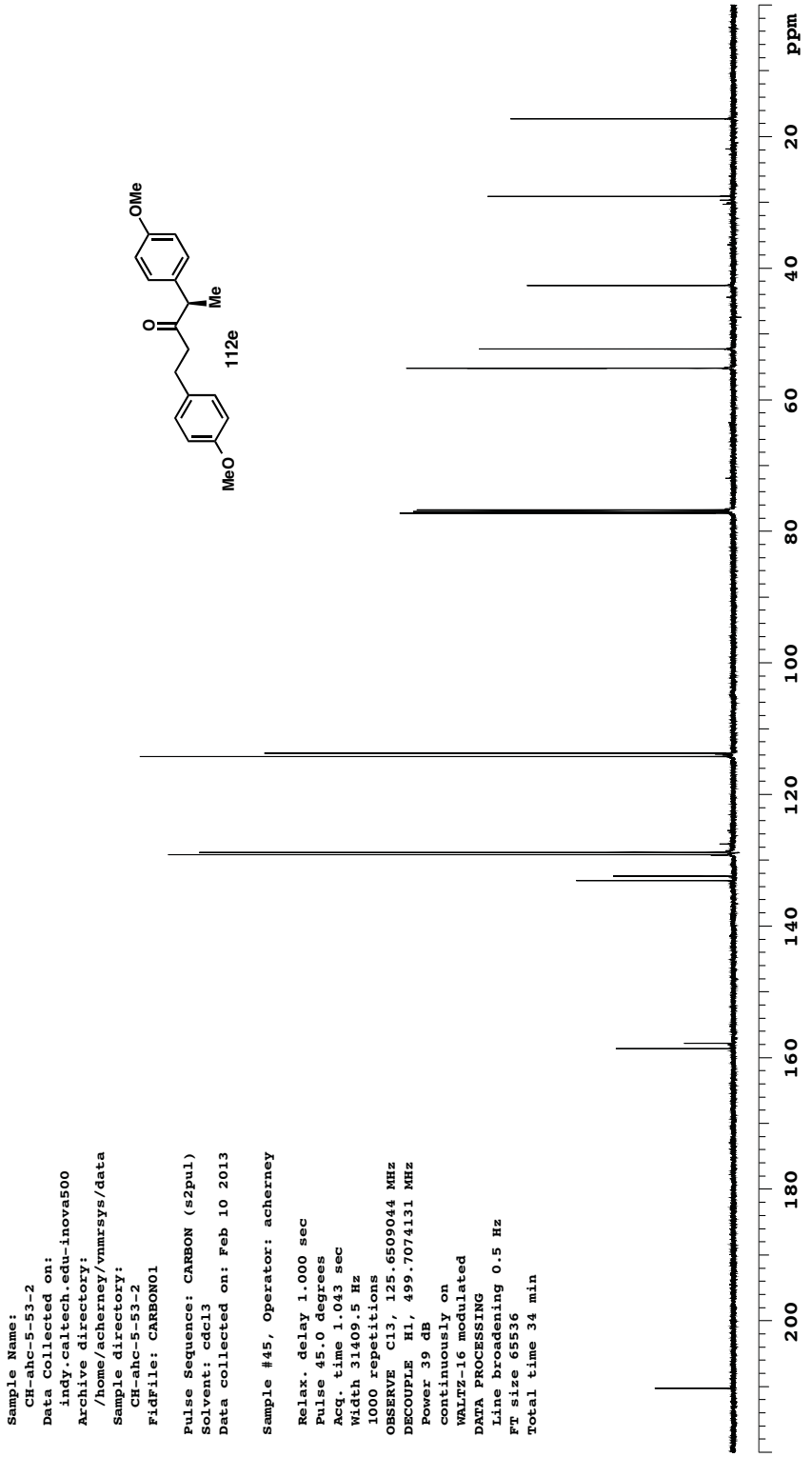

Sample Name:
CH-ahc-4-281-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-281-1
FidFile: PROTON02
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 8 2013
Sample #44, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
Me
Me
O
MeO
112c
ppm
0.96
0.95
3.73
1.83
2.97
0.97
2.14
1.92
2.93
3.00

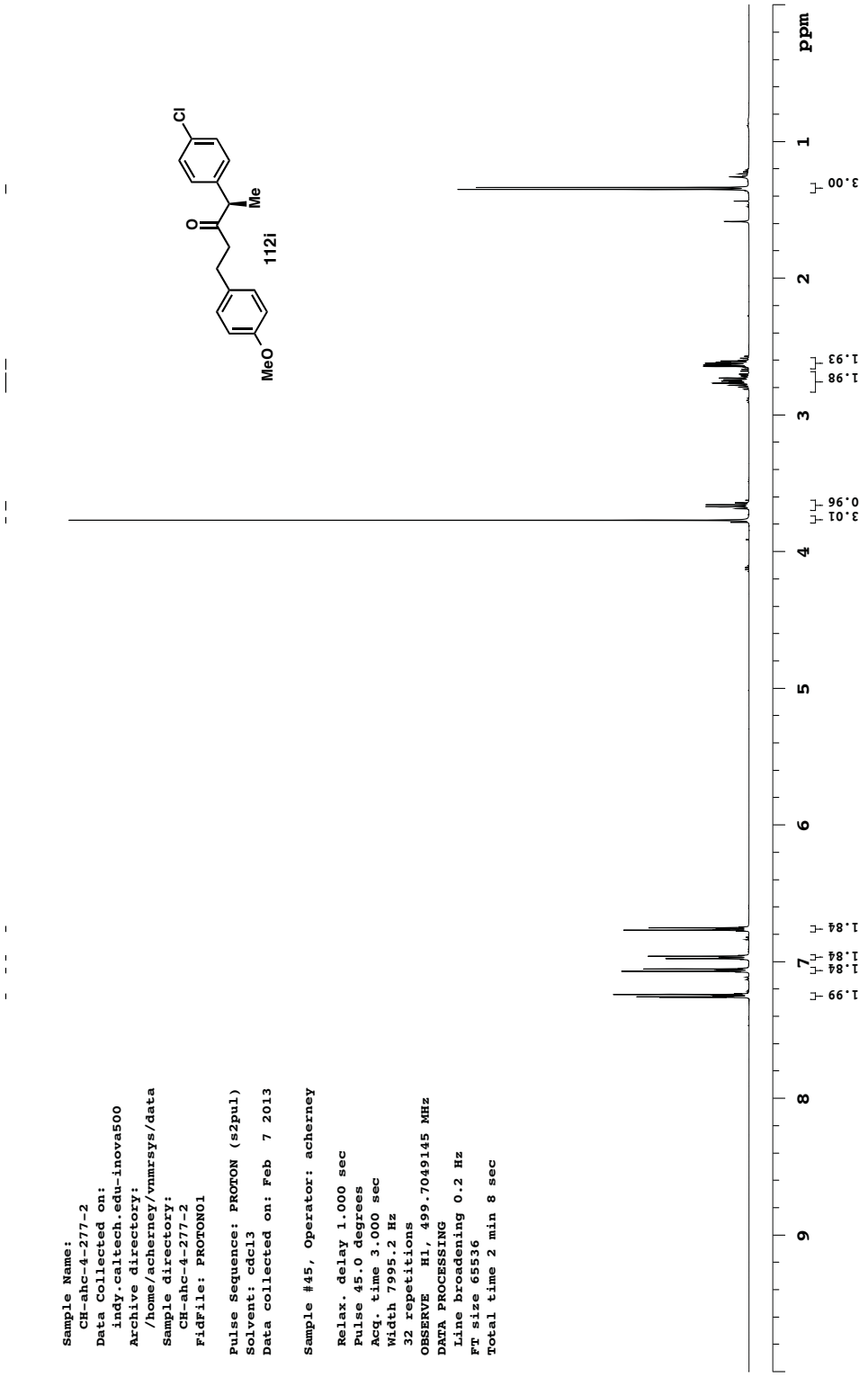

Sample Name:
CH-ahc-4-281-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-281-1
FidFile: CARBON02
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 8 2013
Sample #44, Operator: acherney
Relax. delay 1.000 sec
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
Me
Me
O
MeO
112c
200
180
160
140
120
100
80
60
40
20
ppm

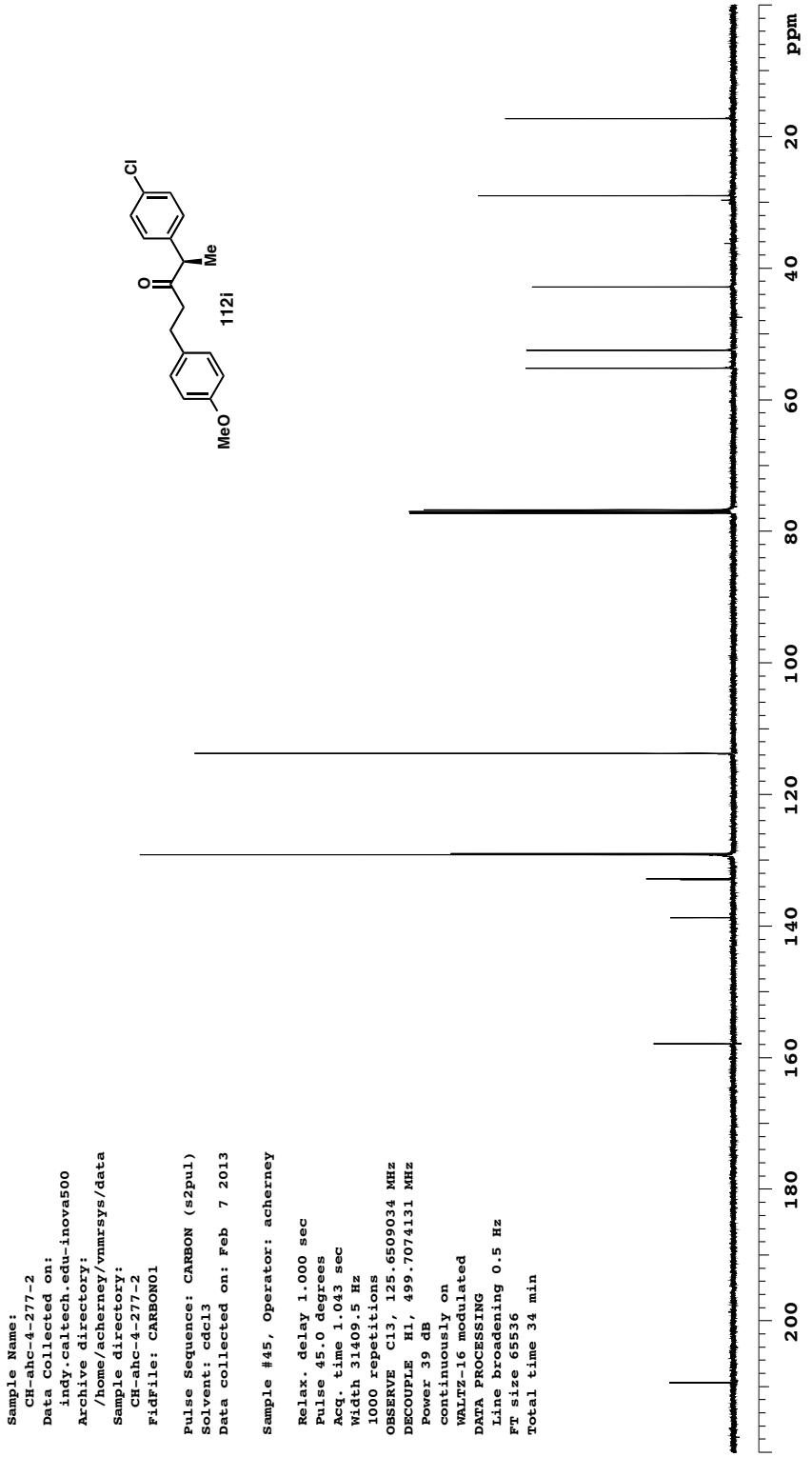

Sample Name:
CH-ahc-4-289-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-289-1
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 10 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
112b
MeO
Me
Me
Me
O
ppm
3.00
2.89
2.13
1.93
0.93
2.90
1.79
2.75
2.97

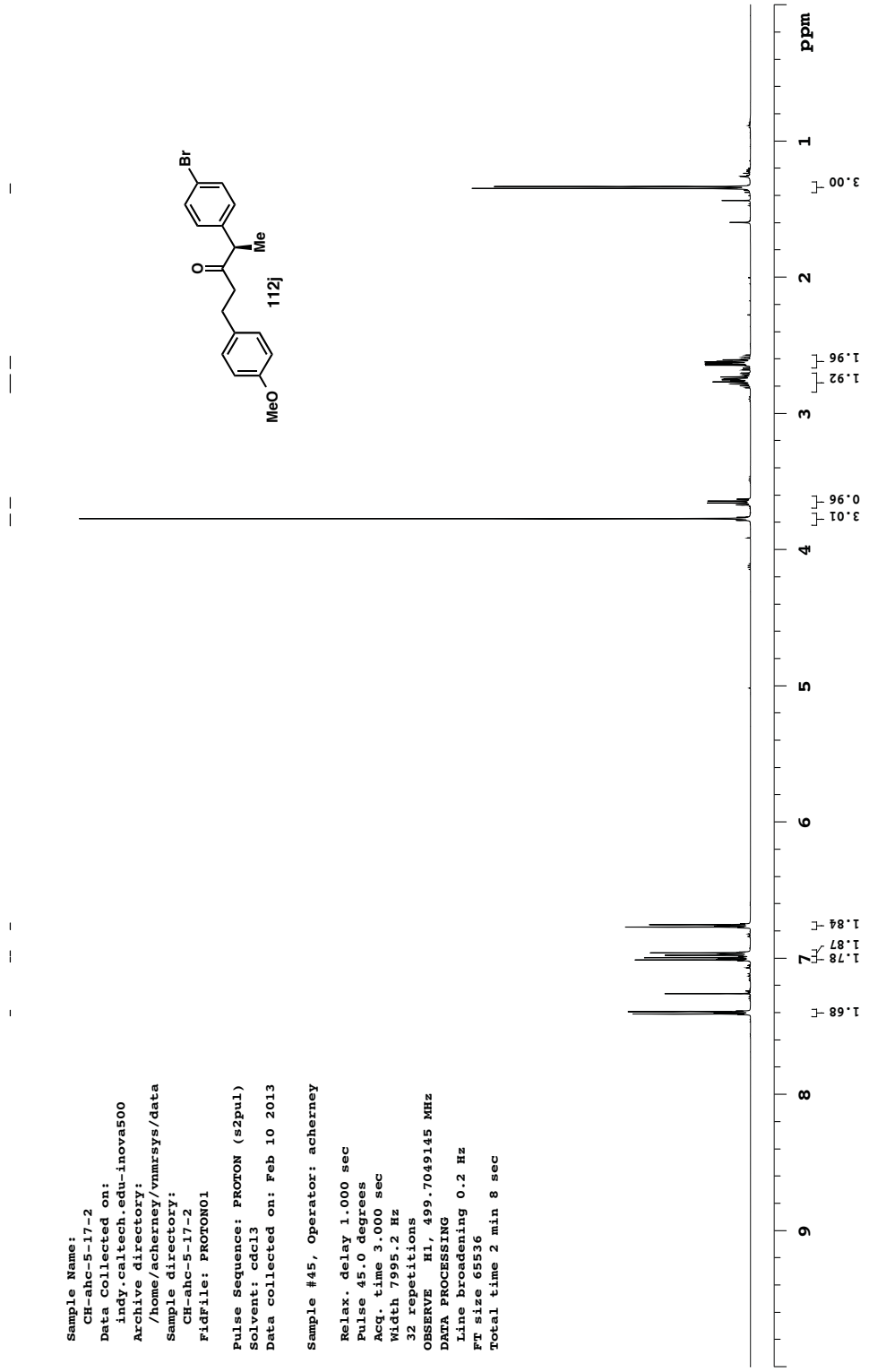

Sample Name:
CH-ahc-4-289-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-289-1
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 10 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
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
O
Me
Me
MeO
112b
200
180
160
140
120
100
80
60
40
20
ppm

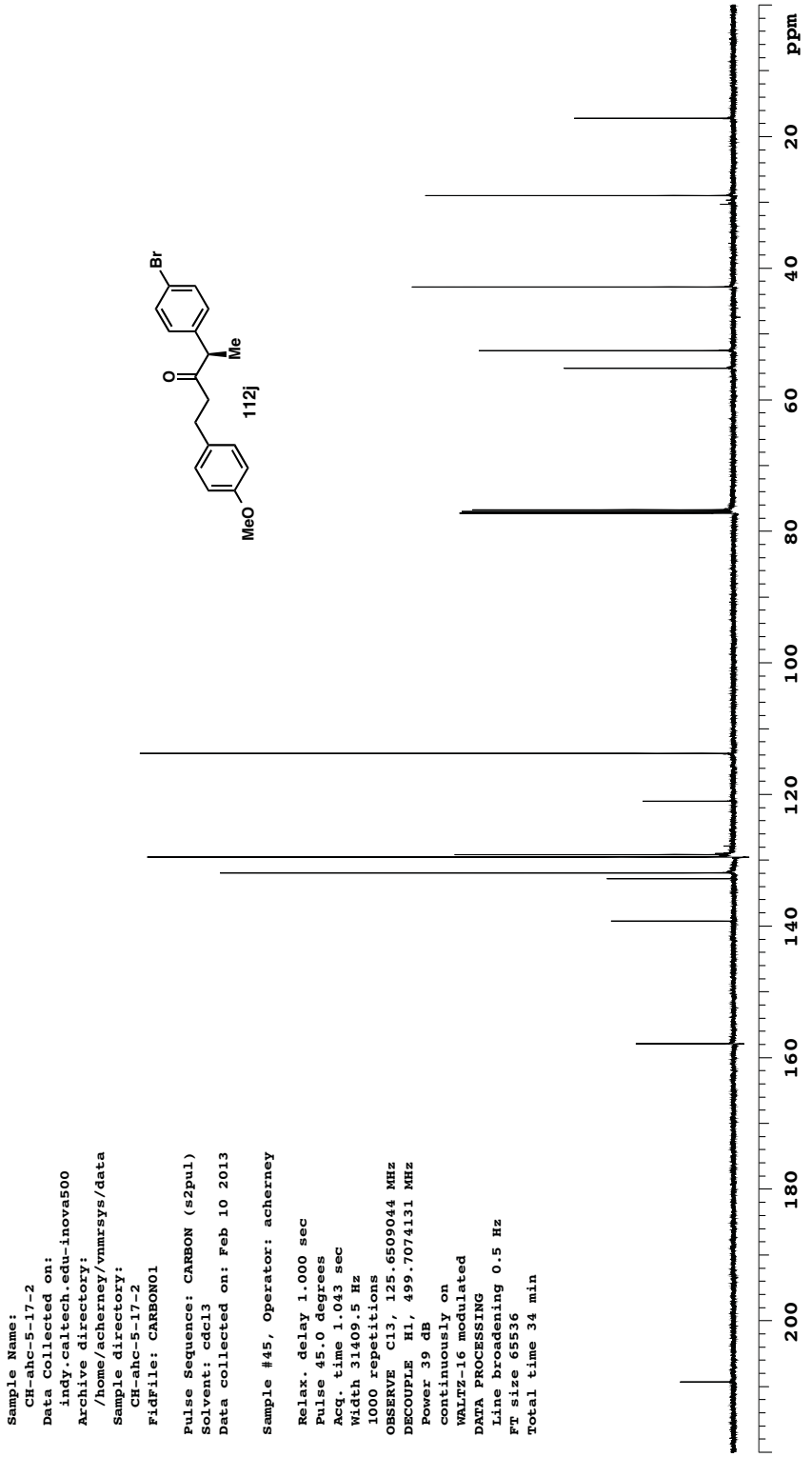

Sample Name:
CH-ahc-5-53-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-53-2
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 10 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
OMe
Me
O
MeO
112e
ppm
1.94
1.90
1.97
1.80
3.29
2.96
0.99
2.14
1.96
3.00

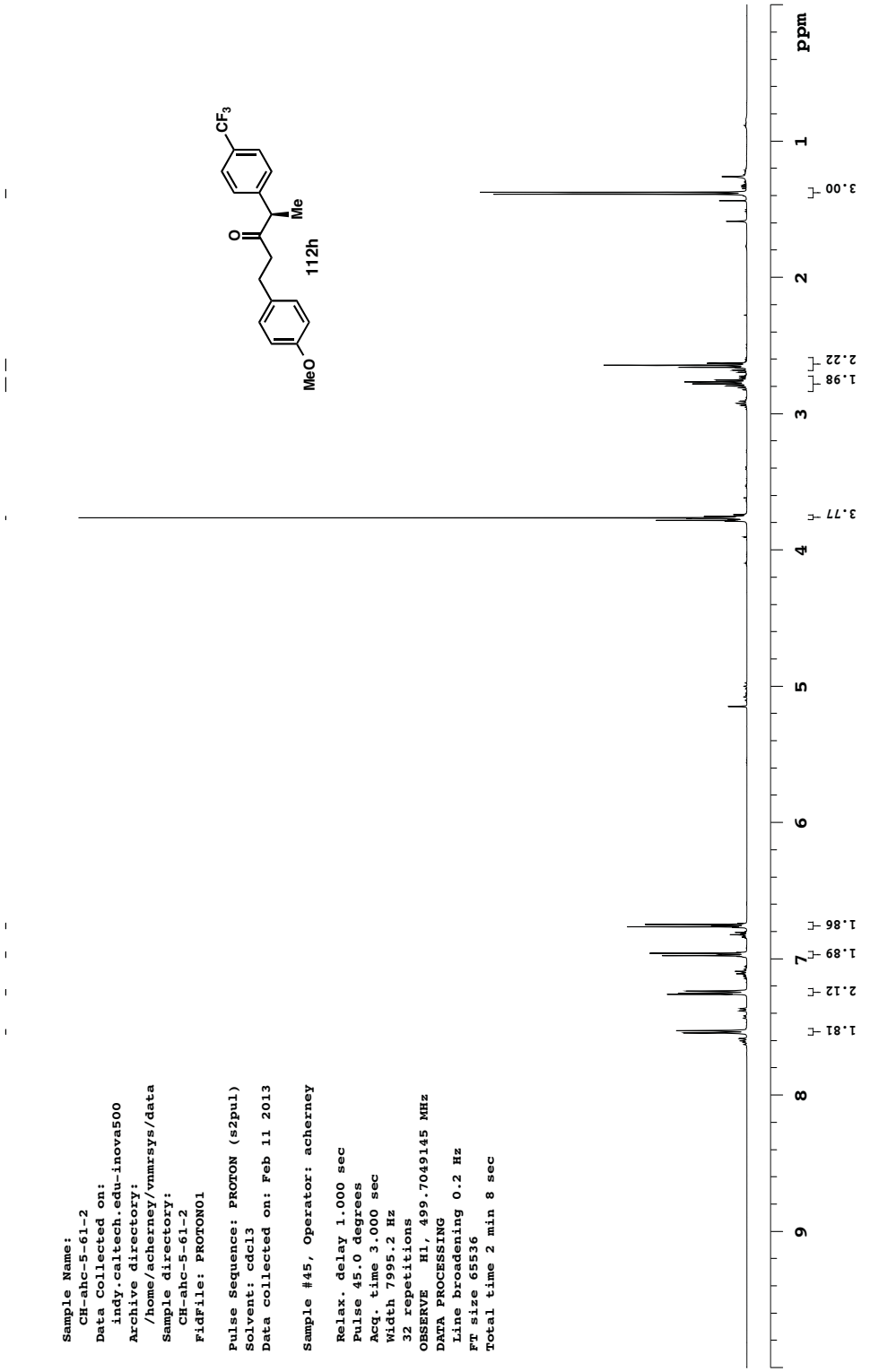

Sample Name:
CH-ahc-5-53-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-53-2
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 10 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 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
OMe
Me
O
112e
MeO
200
180
160
140
120
100
80
60
40
20
ppm

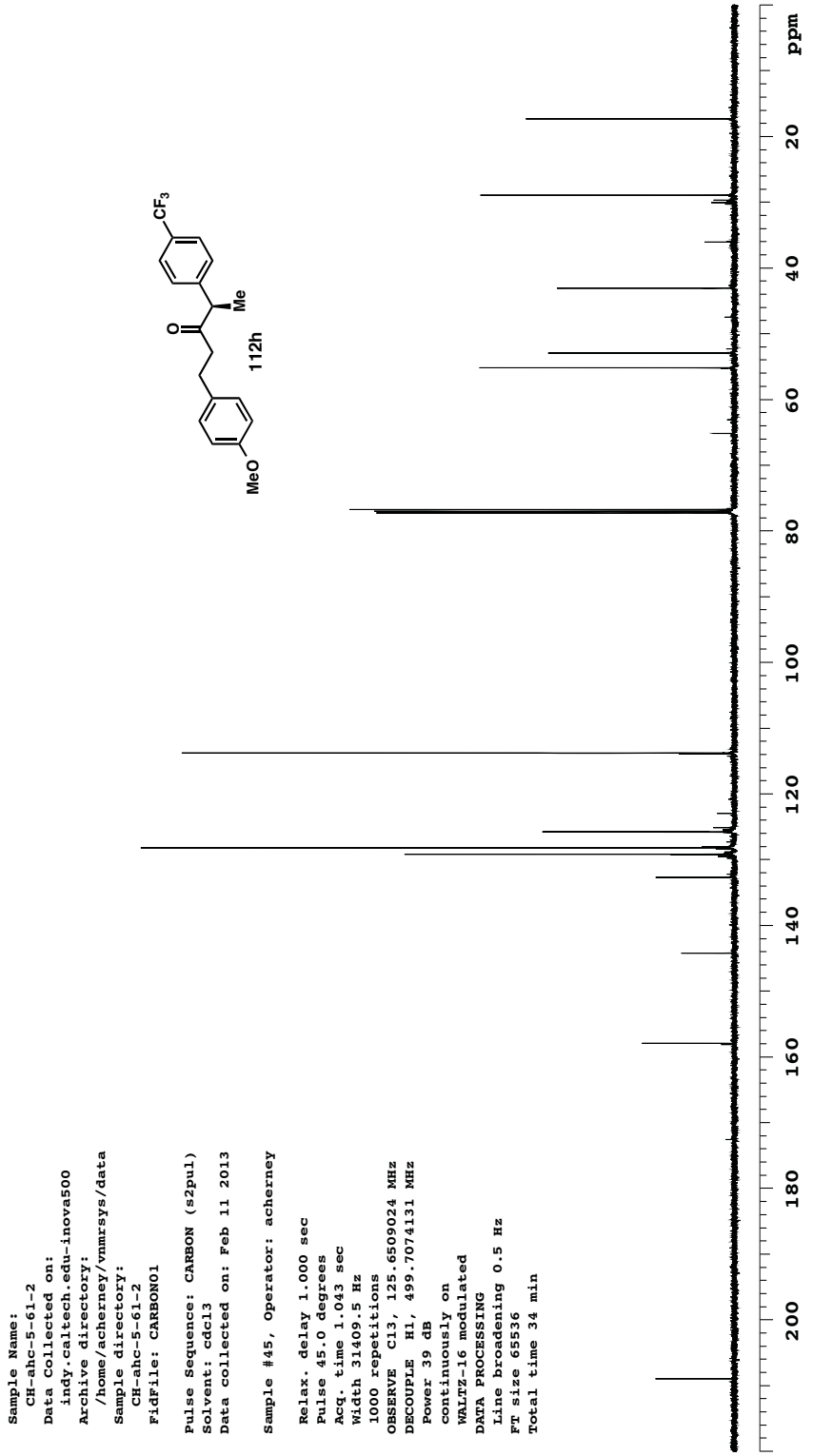

Sample Name:
CH-ahc-4-277-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-277-2
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 7 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
Cl
Me
O
MeO
112i
ppm
1.99
1.84
1.84
1.84
3.01
0.96
1.98
1.93
3.00

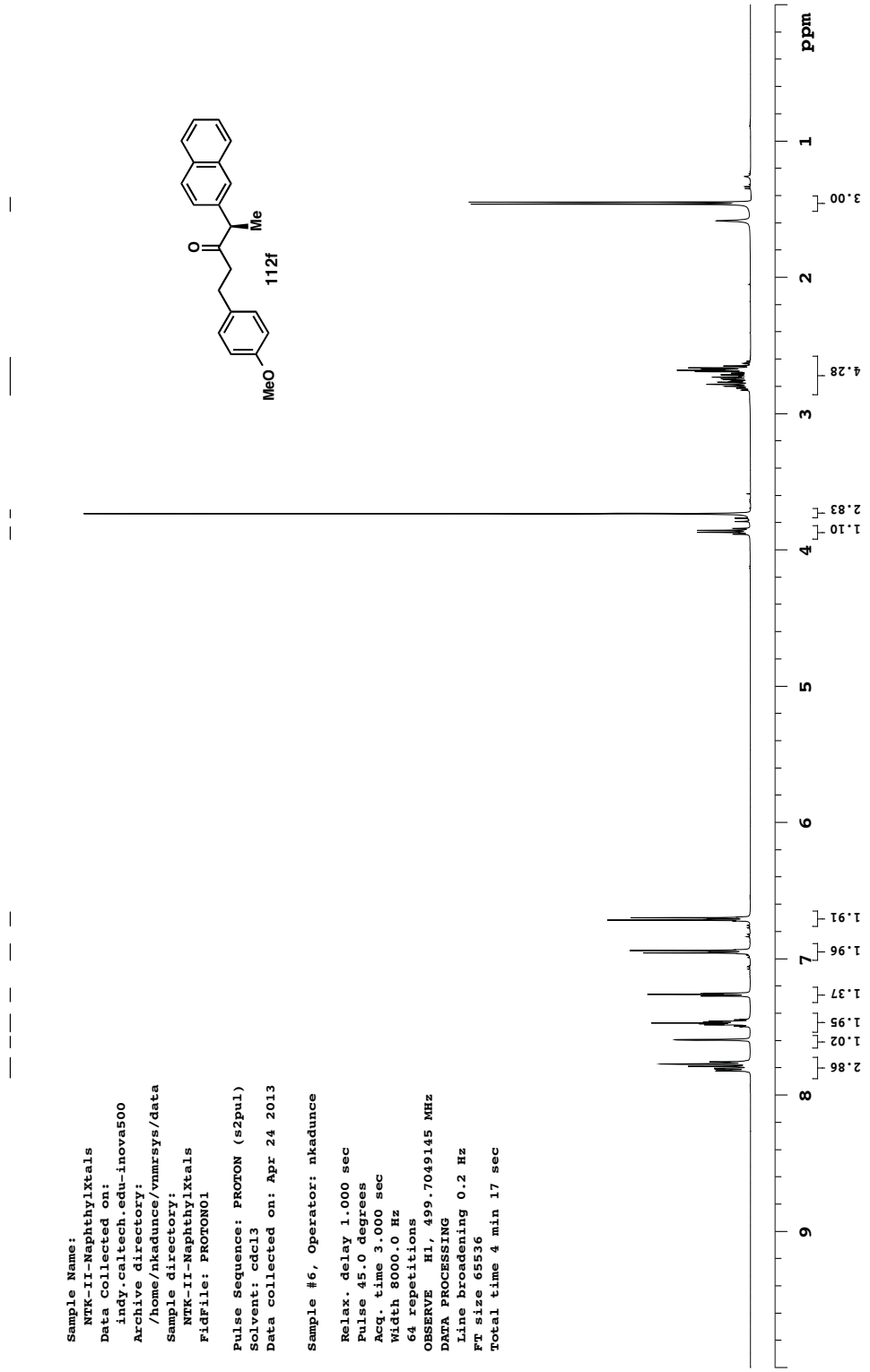

Sample Name:
CH-ahc-4-277-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-277-2
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 7 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
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
Cl
O
Me
MeO
112i
200
180
160
140
120
100
80
60
40
20
ppm

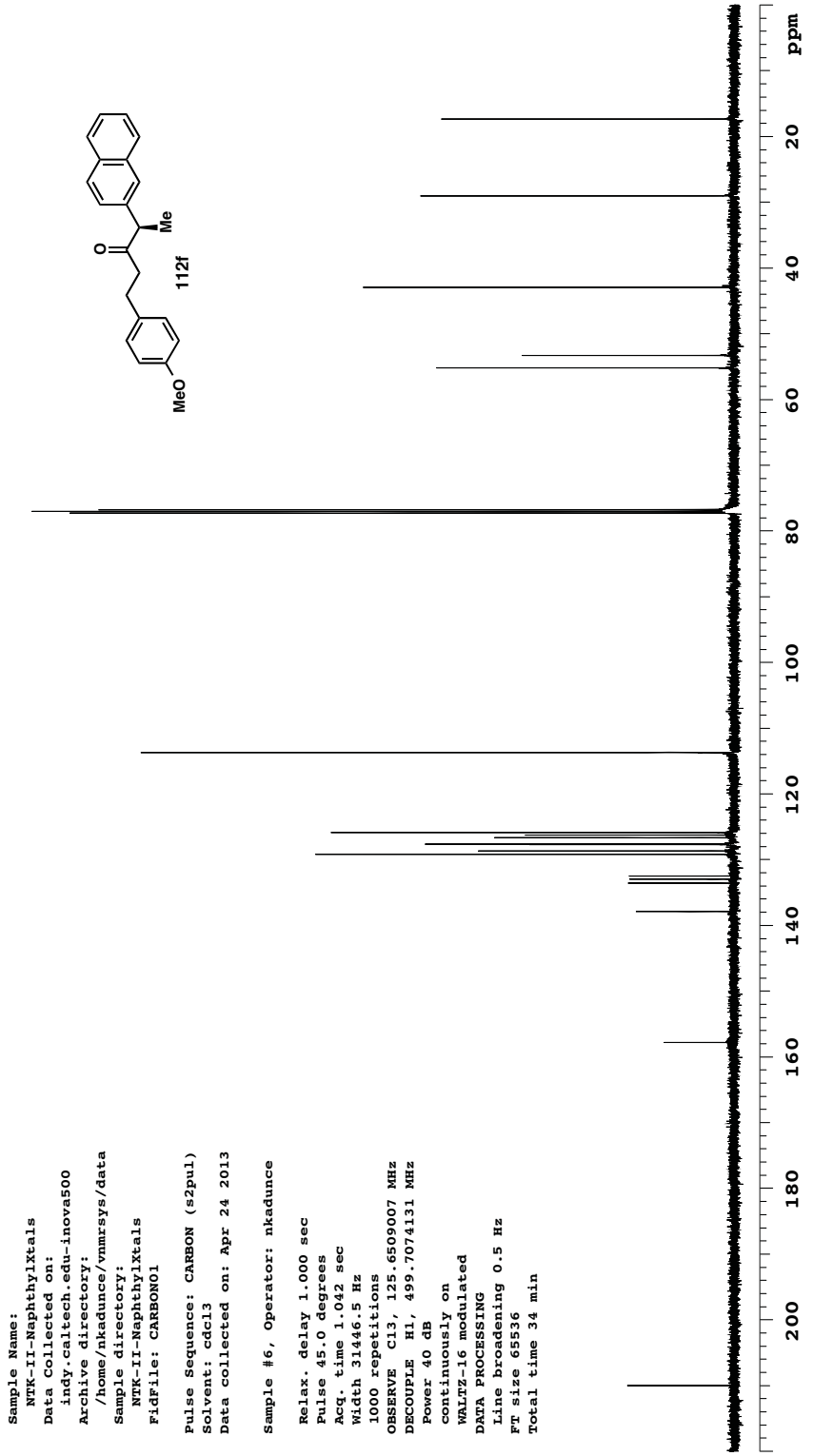

Br
O
Me
MeO
112j
ppm
1.68
1.78
1.87
1.84
3.01
0.96
1.92
1.96
3.00
Sample Name:
CH-ahc-5-17-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-17-2
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 10 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec

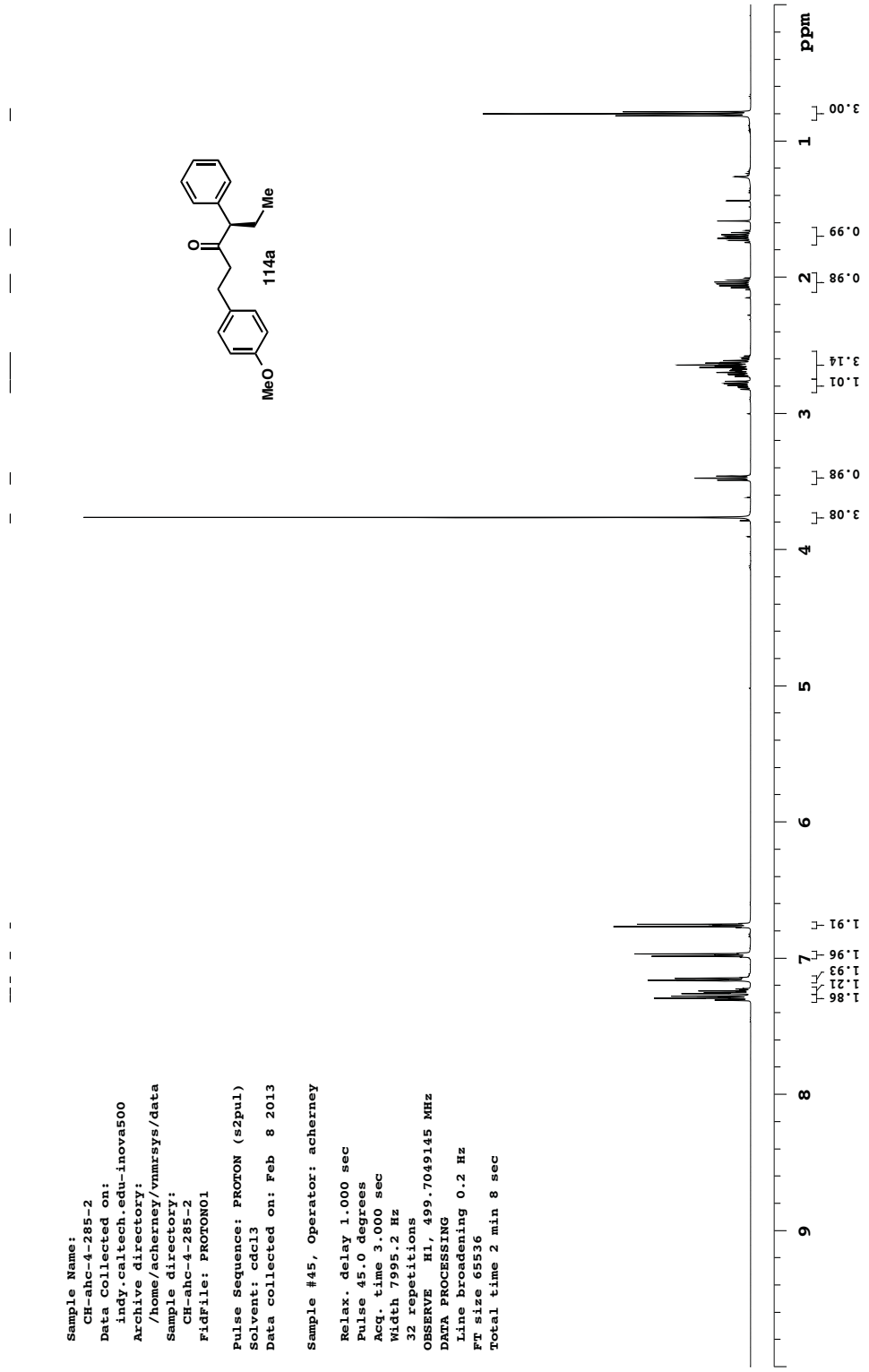

Sample Name:
CH-ahc-5-17-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-17-2
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 10 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 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
Br
O
Me
MeO
112j
200
180
160
140
120
100
80
60
40
20
ppm

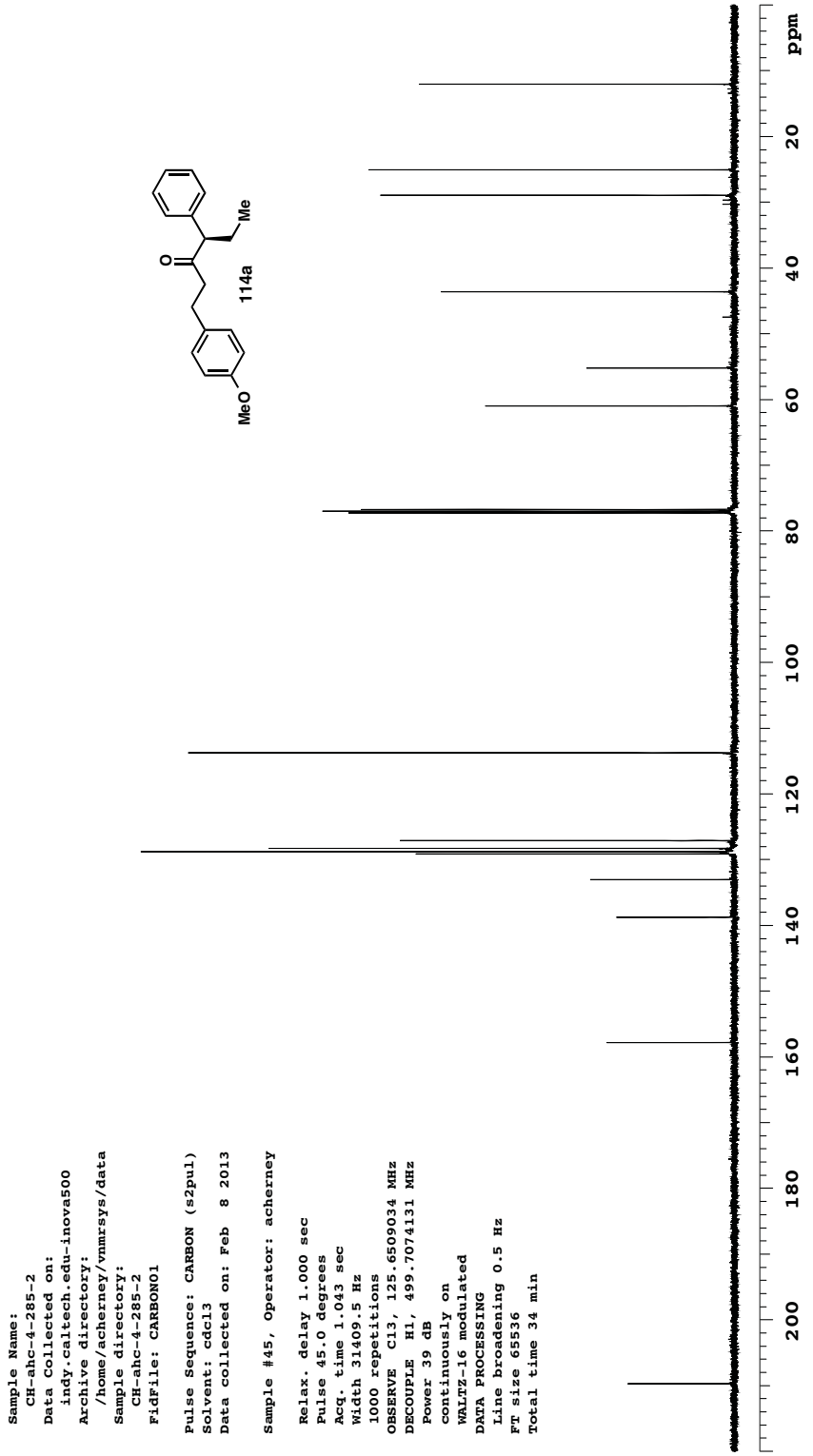

Sample Name:
CH-ahc-5-61-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-61-2
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 11 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
CF3
O
Me
MeO
112h
3.00
2.22
1.98
3.77
1.86
1.89
2.12
1.81
ppm

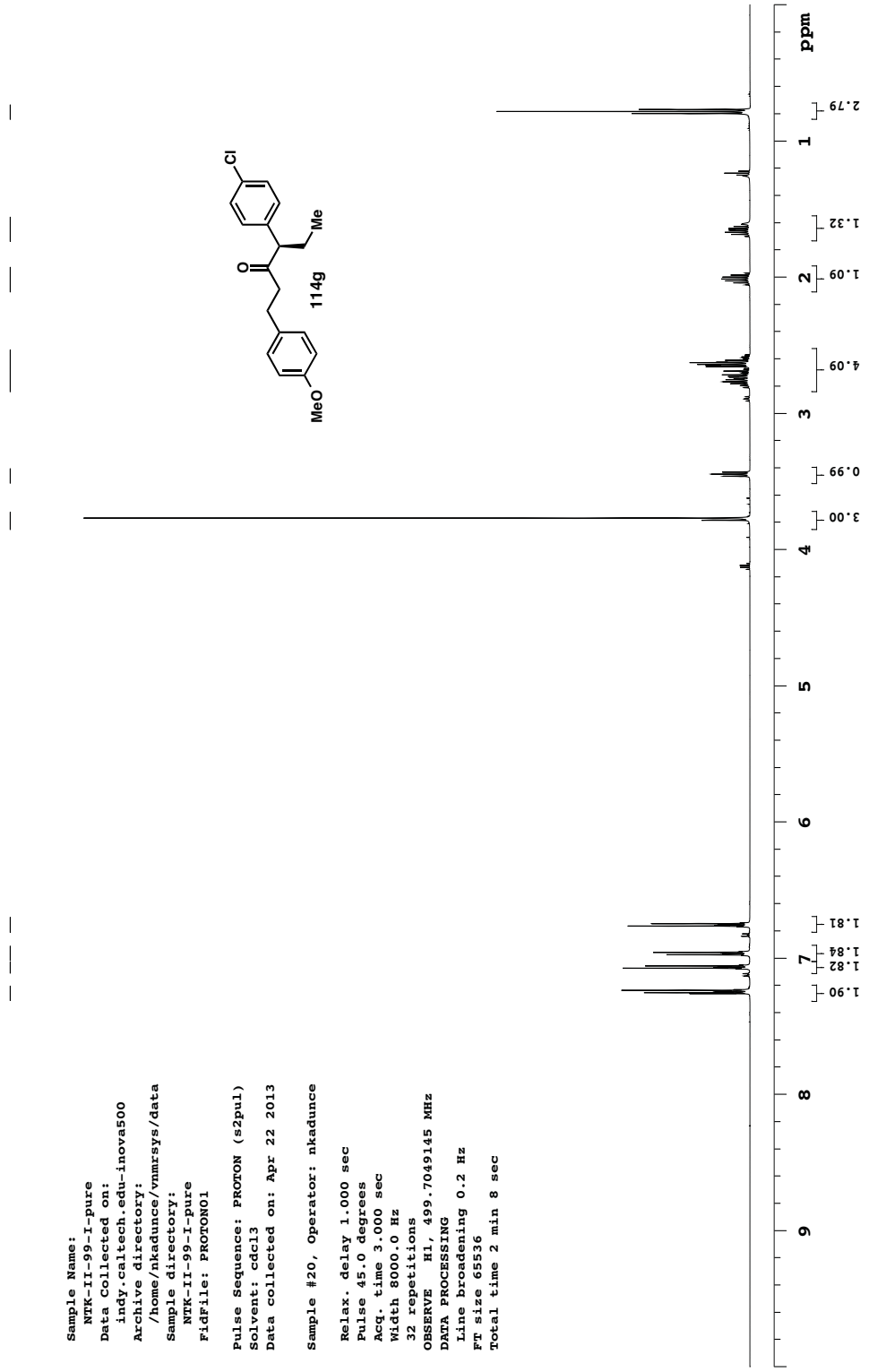

Sample Name:
CH-ahc-5-61-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-61-2
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 11 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 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
CF3
Me
O
112h
MeO
200
180
160
140
120
100
80
60
40
20
ppm

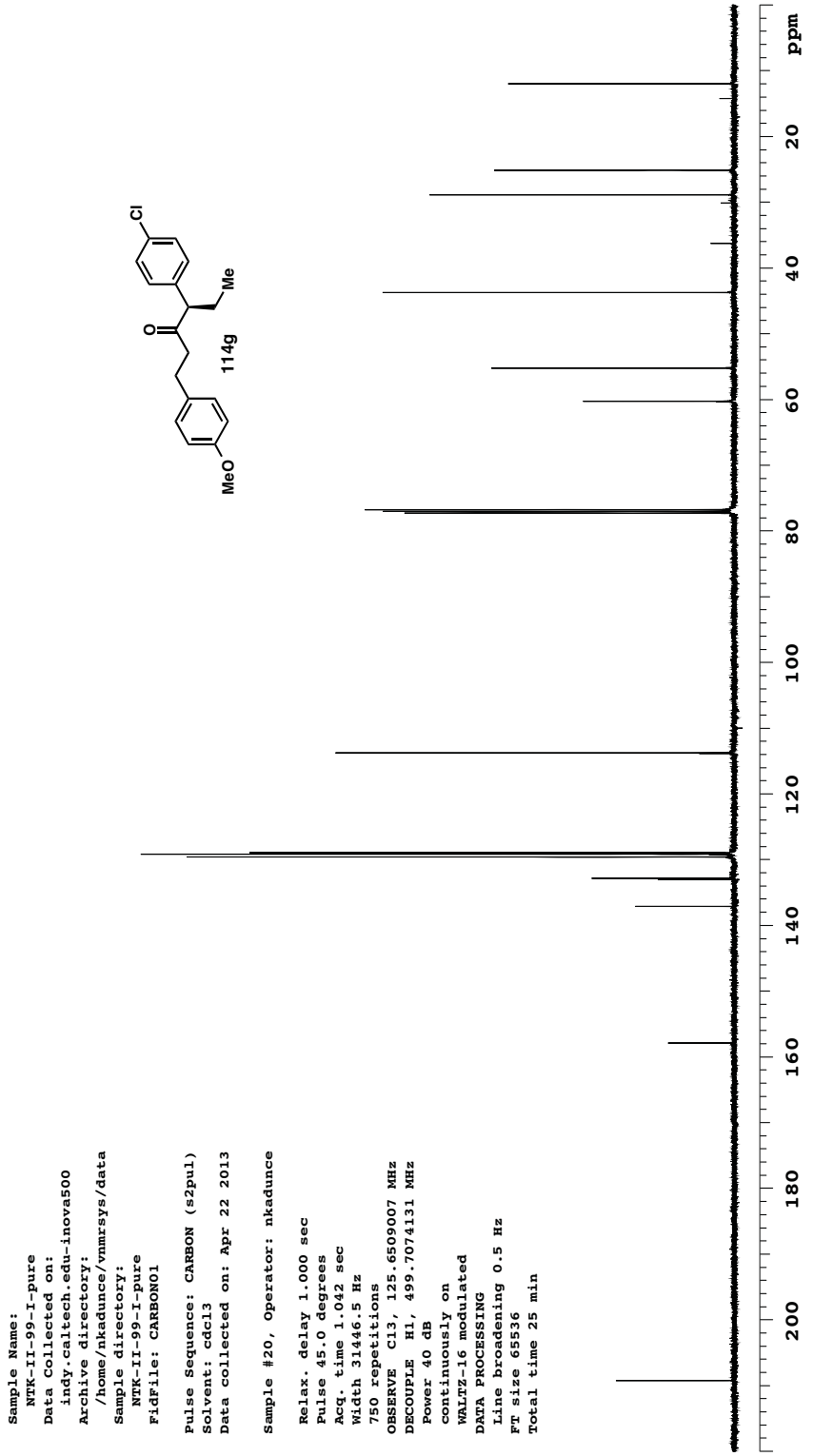

Sample Name:
NTK-II-Naphthyl1Xtals
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-Naphthyl1Xtals
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Apr 24 2013
Sample #6, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
64 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 17 sec
MeO
O
Me
112f
2.86
1.02
1.95
1.37
1.96
1.91
1.10
2.83
4.28
3.00
ppm

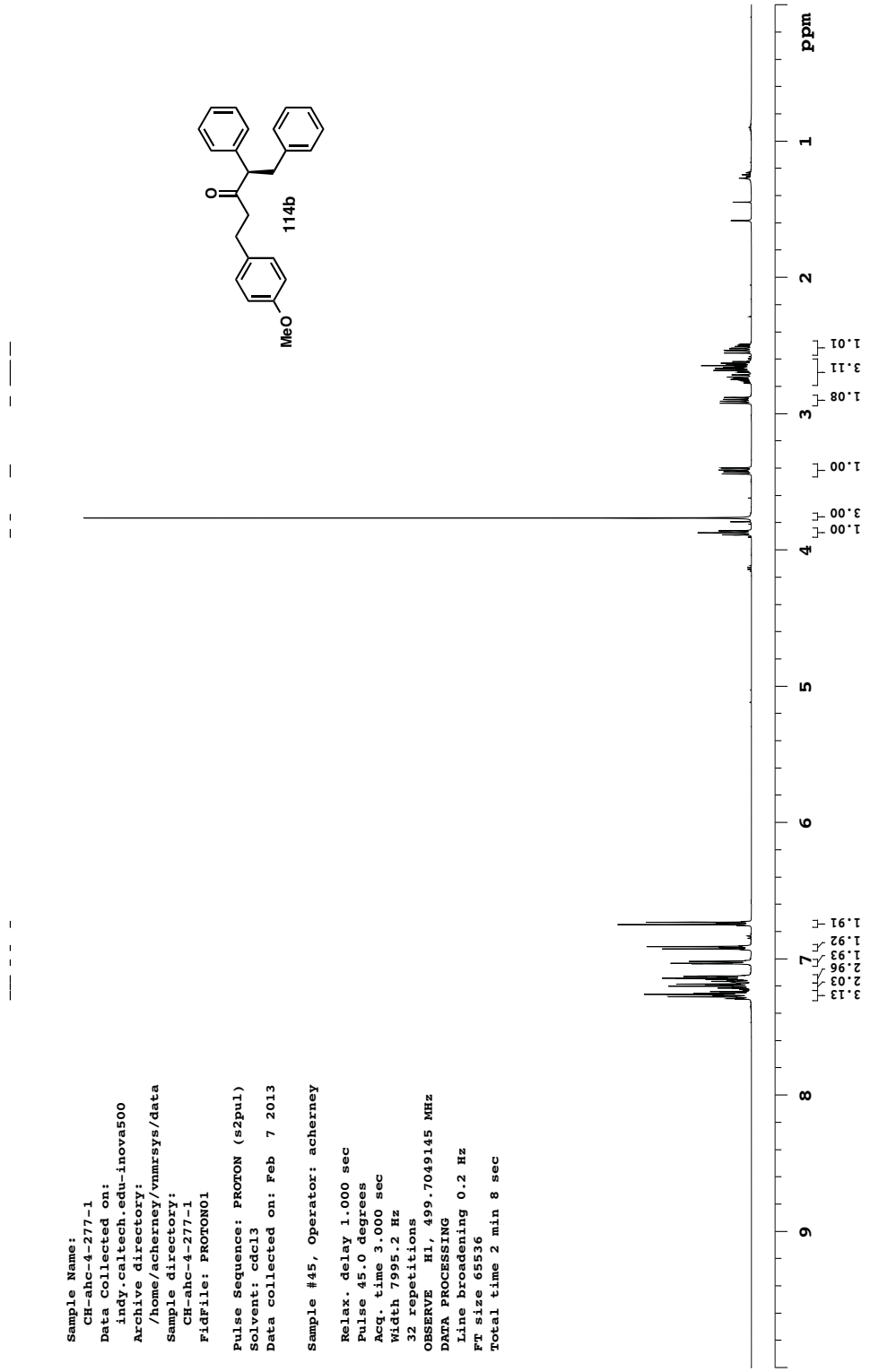

Sample Name:
NTK-II-Naphthyl-Xtals
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-Naphthyl-Xtals
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Apr 24 2013
Sample #6, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6509007 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 34 min
O
Me
MeO
112f
200
180
160
140
120
100
80
60
40
20
ppm

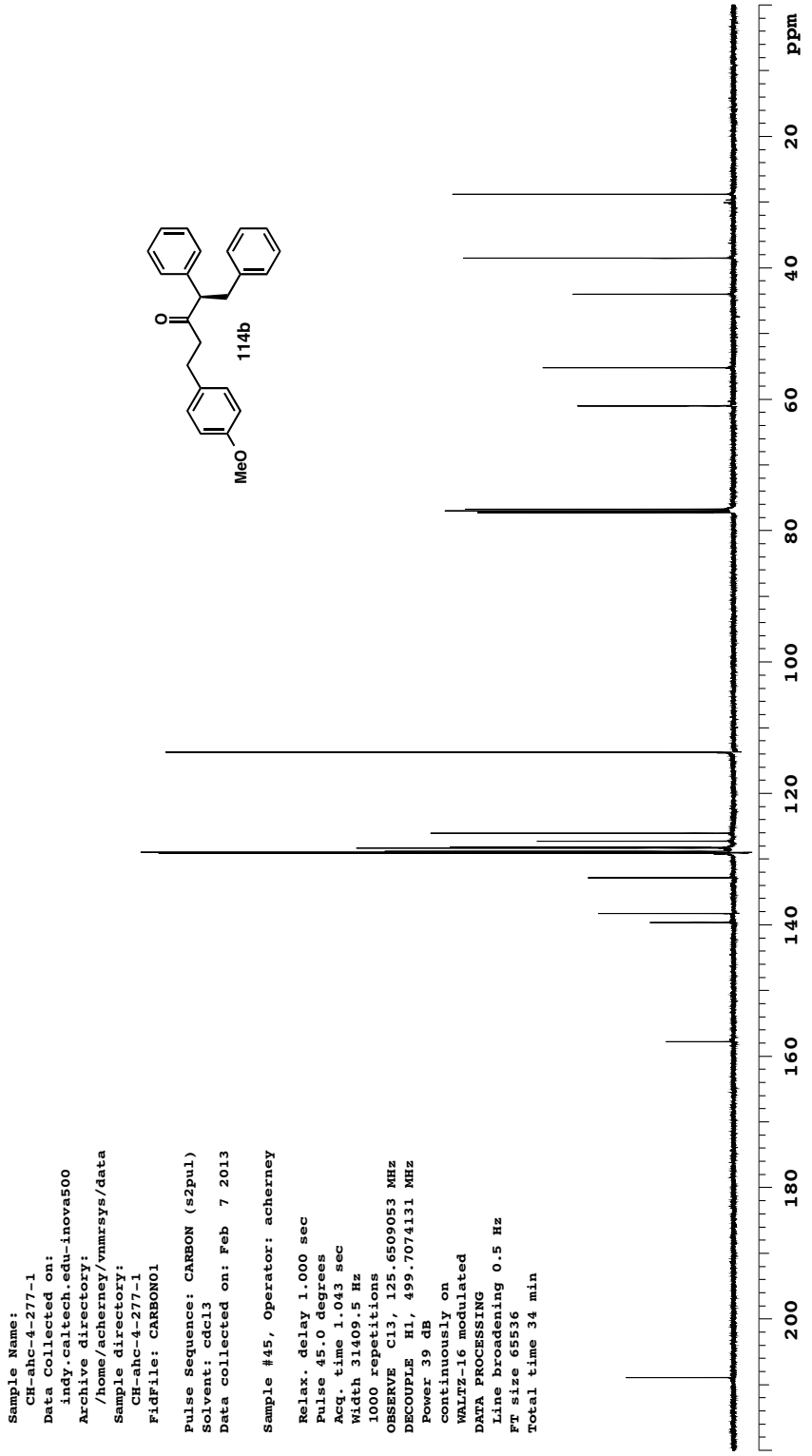

Sample Name:
CH-ahc-4-285-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-285-2
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 8 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
MeO
O
Me
114a
ppm
3.00
0.99
0.98
3.14
1.01
0.98
3.08
1.91
1.96
1.93
1.21
1.86

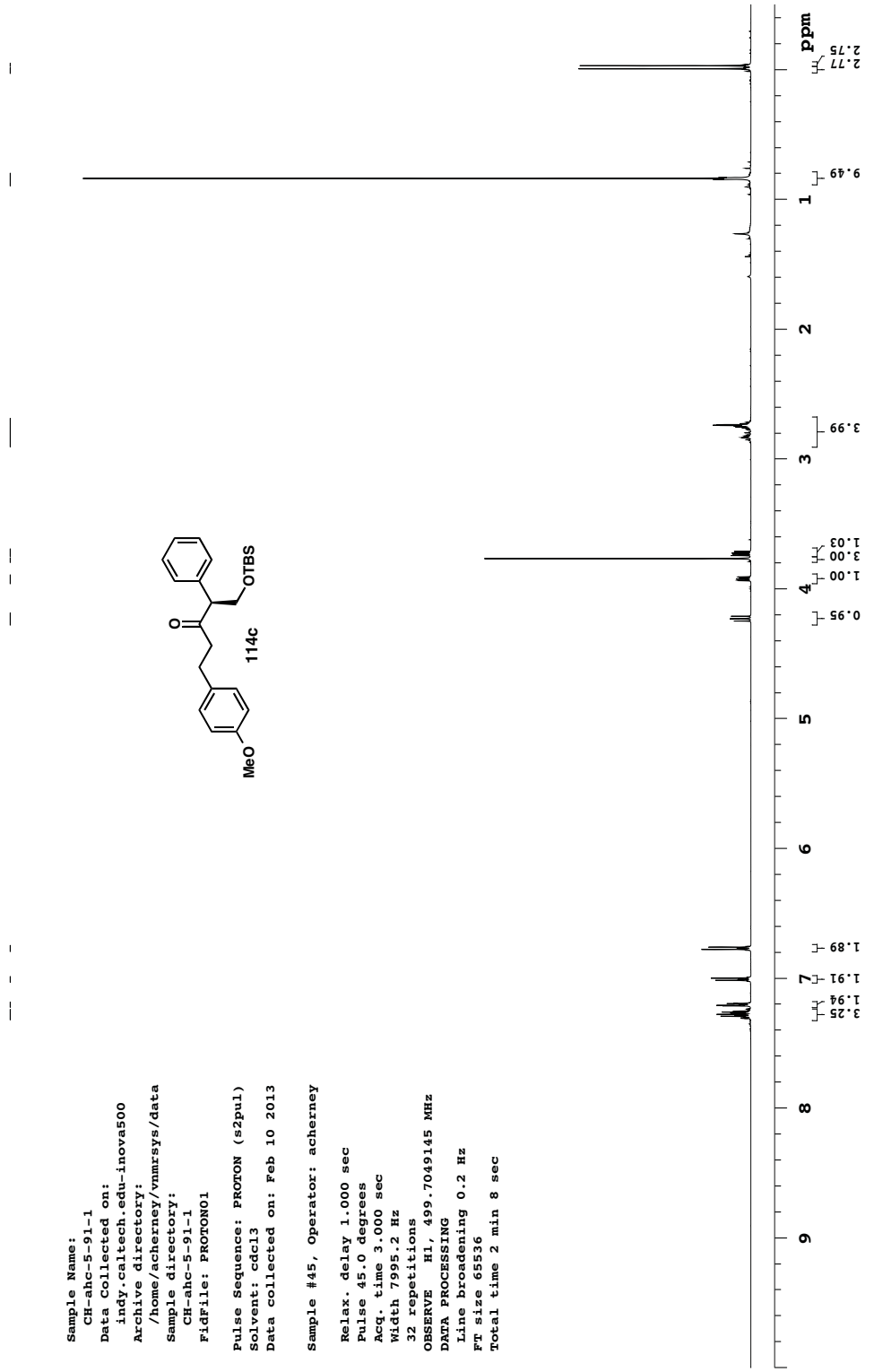

Sample Name:
CH-ahc-4-285-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-285-2
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 8 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
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
O
Me
MeO
114a
200
180
160
140
120
100
80
60
40
20
ppm

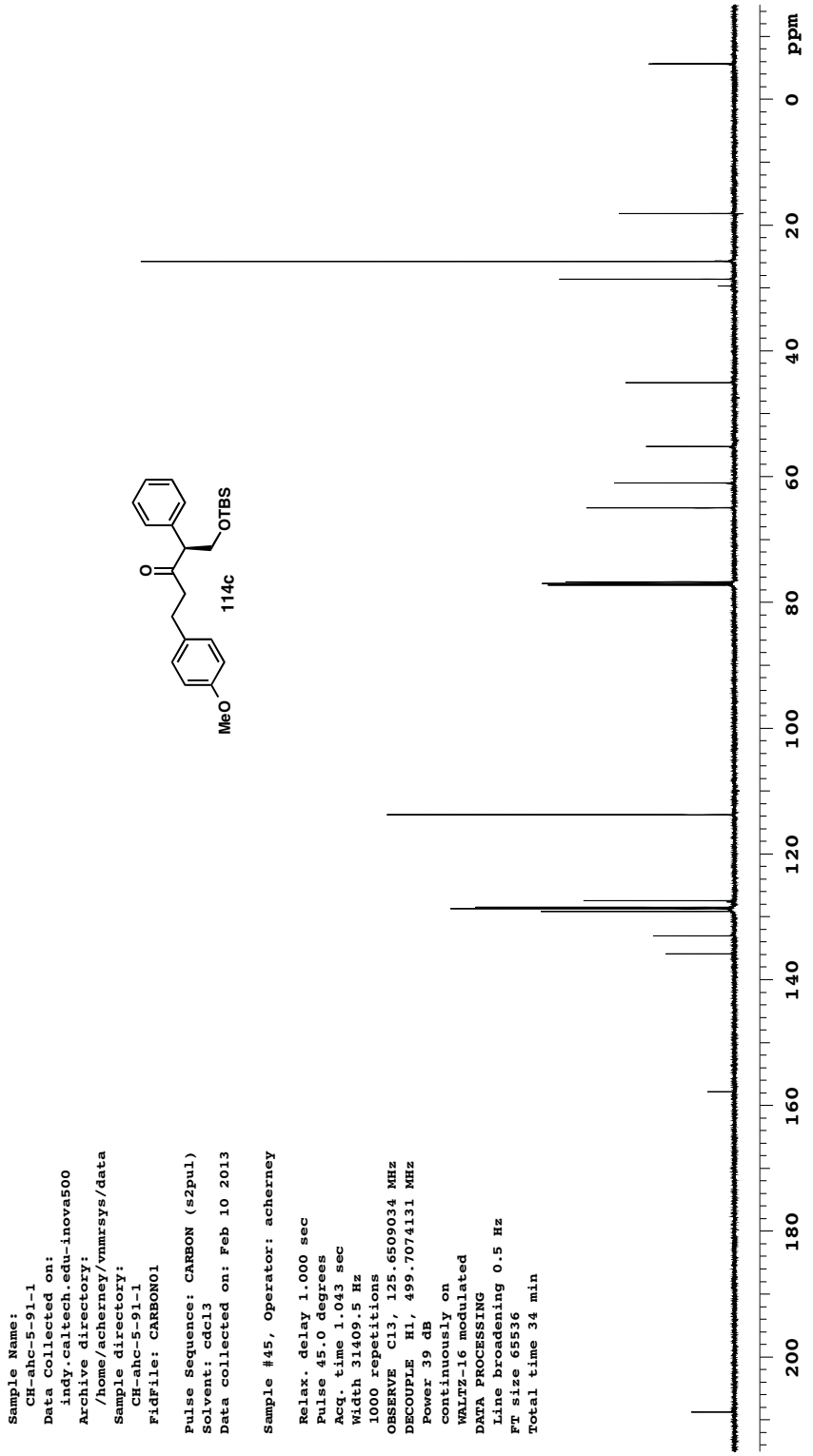

Sample Name:
NTK-II-99-I-pure
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-99-I-pure
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Apr 22 2013
Sample #20, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
Cl
O
Me
MeO
114g
ppm
2.79
1.32
1.09
4.09
0.99
3.00
1.81
1.84
1.82
1.90

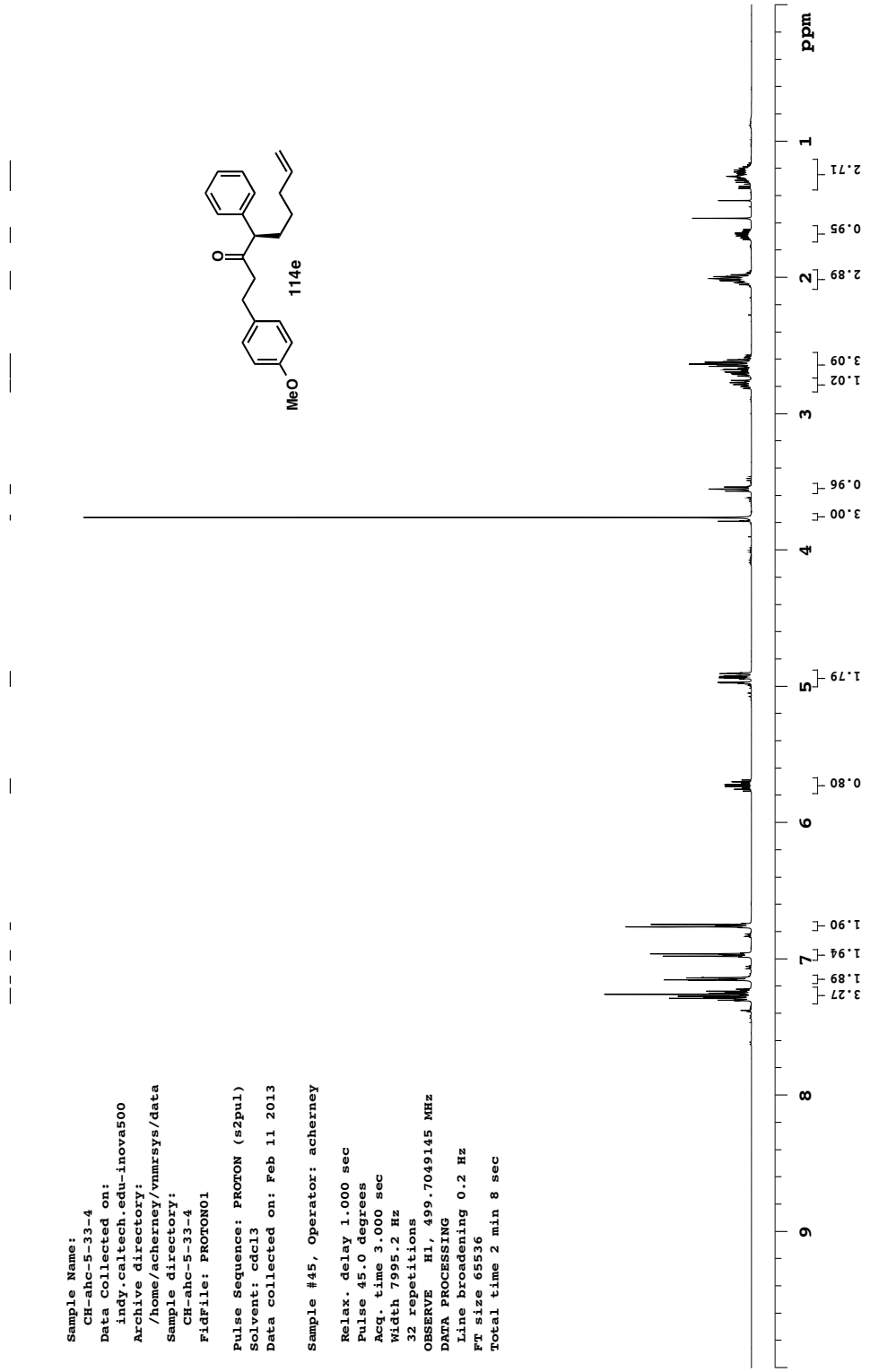

Sample Name:
NTK-II-99-I-pure
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-99-I-pure
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Apr 22 2013
Sample #20, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
750 repetitions
OBSERVE C13, 125.6509007 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 25 min
Cl
O
Me
MeO
114g
200
180
160
140
120
100
80
60
40
20
ppm

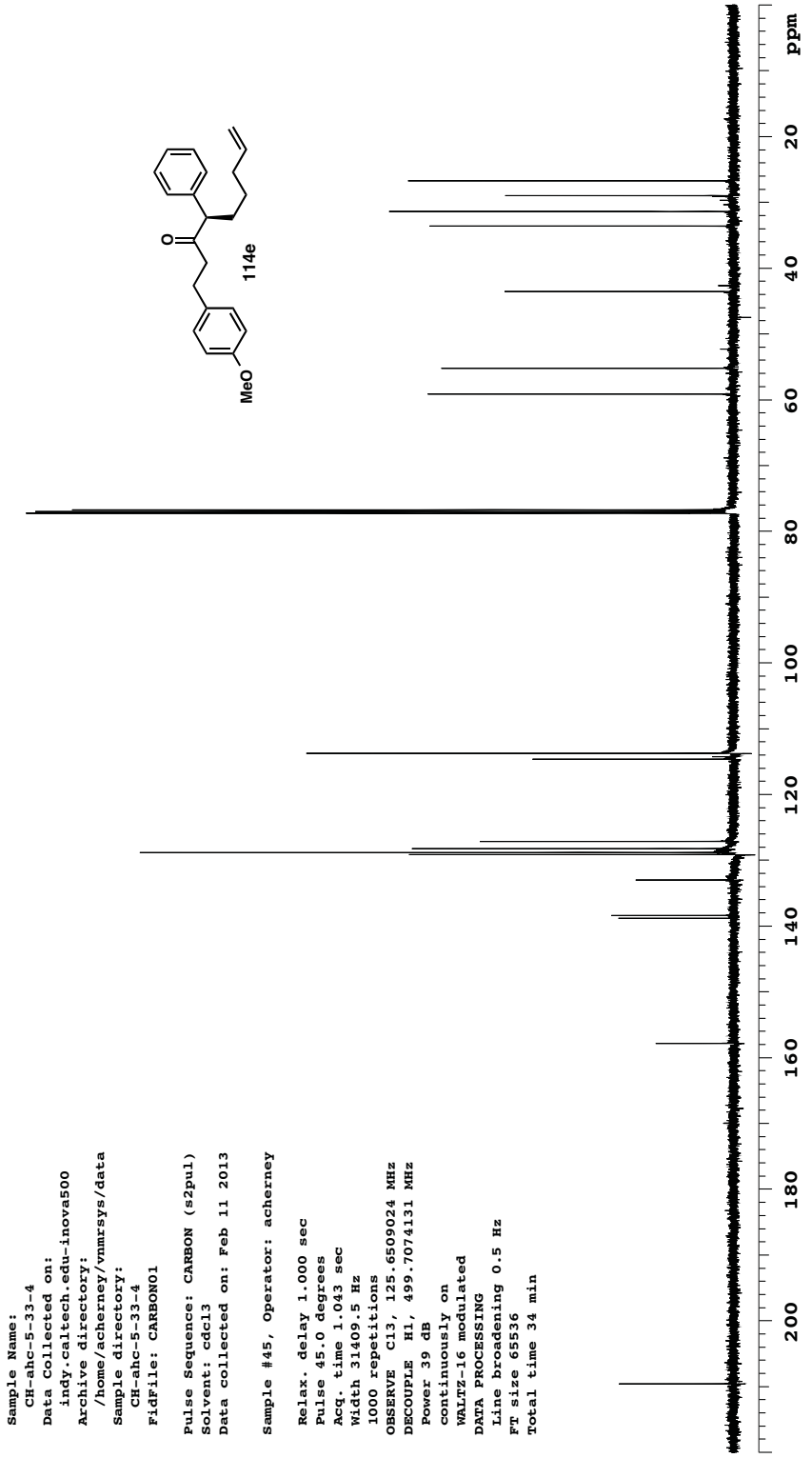

Sample Name:
CH-ahc-4-277-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-277-1
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 7 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
O
MeO
114b
ppm
1.91
1.92
1.93
2.96
2.03
3.13
1.00
3.00
1.00
1.08
3.11
1.01

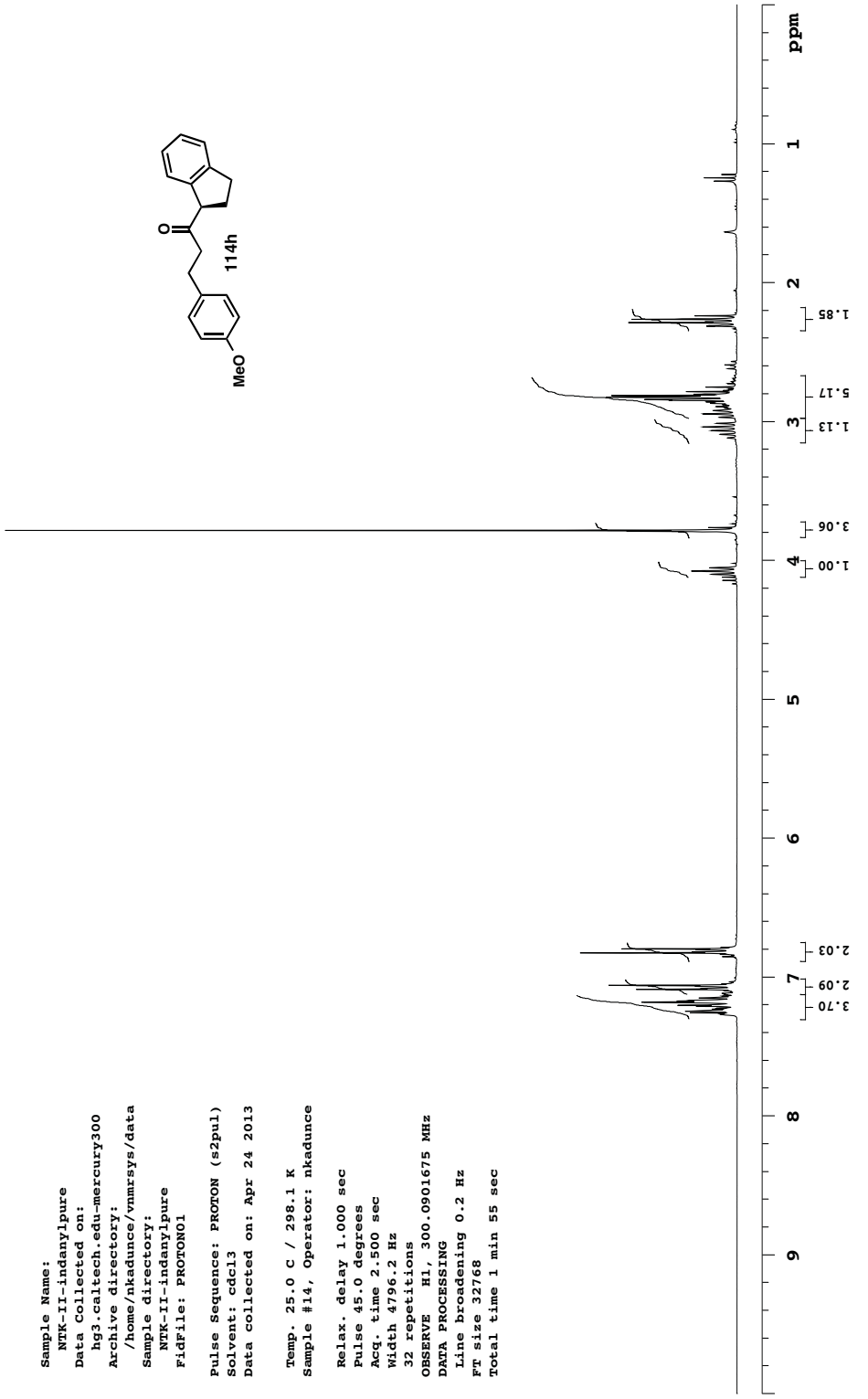

Sample Name:
CH-ahc-4-277-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-4-277-1
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 7 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
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
O
MeO
114b
200
180
160
140
120
100
80
60
40
20
ppm

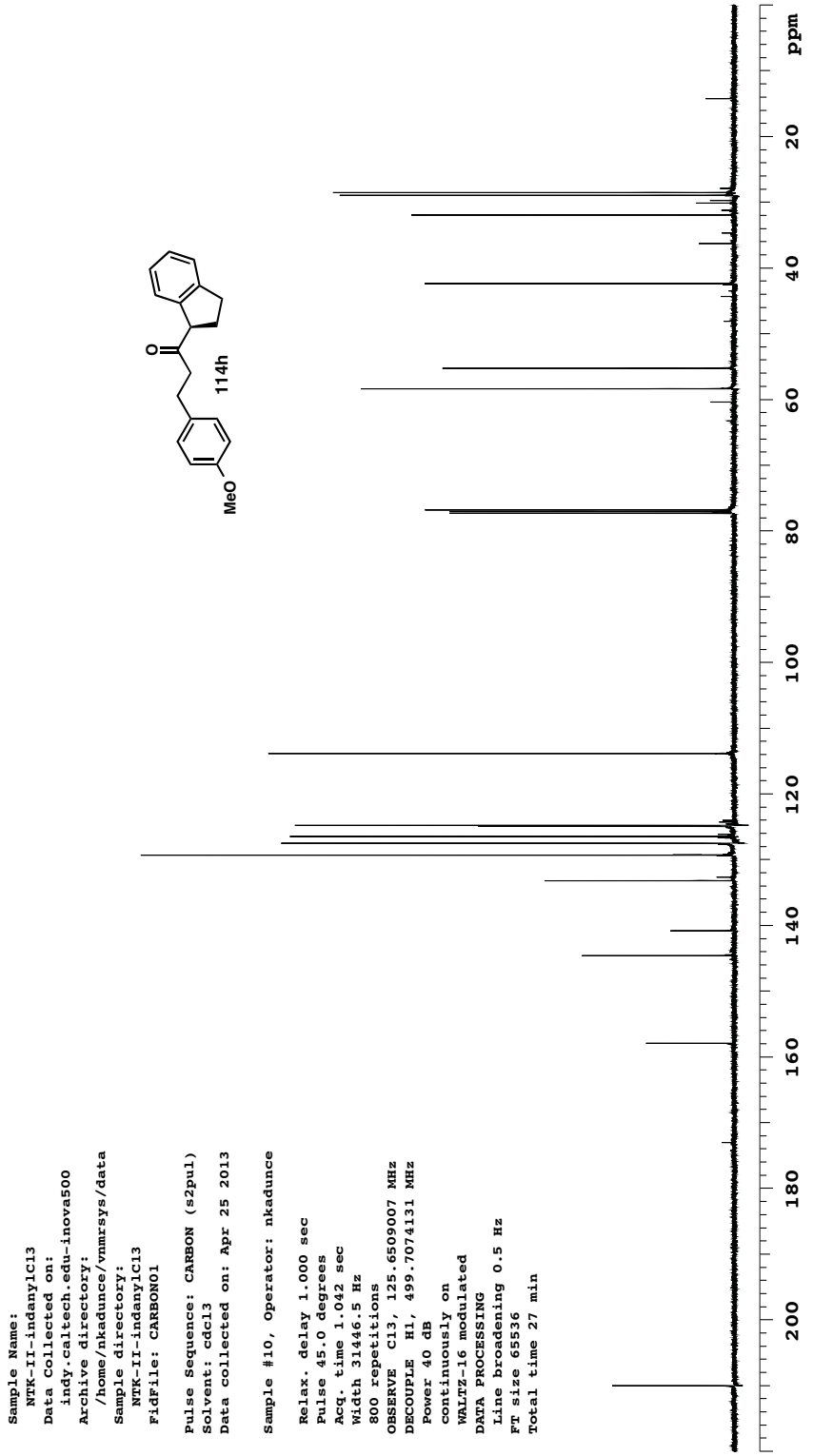

Sample Name:
CH-ahc-5-91-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-91-1
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 10 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
OTBS
O
MeO
114c
ppm
2.77
2.75
9.49
3.99
3.00
1.03
1.00
0.95
1.89
1.91
3.25
1.94

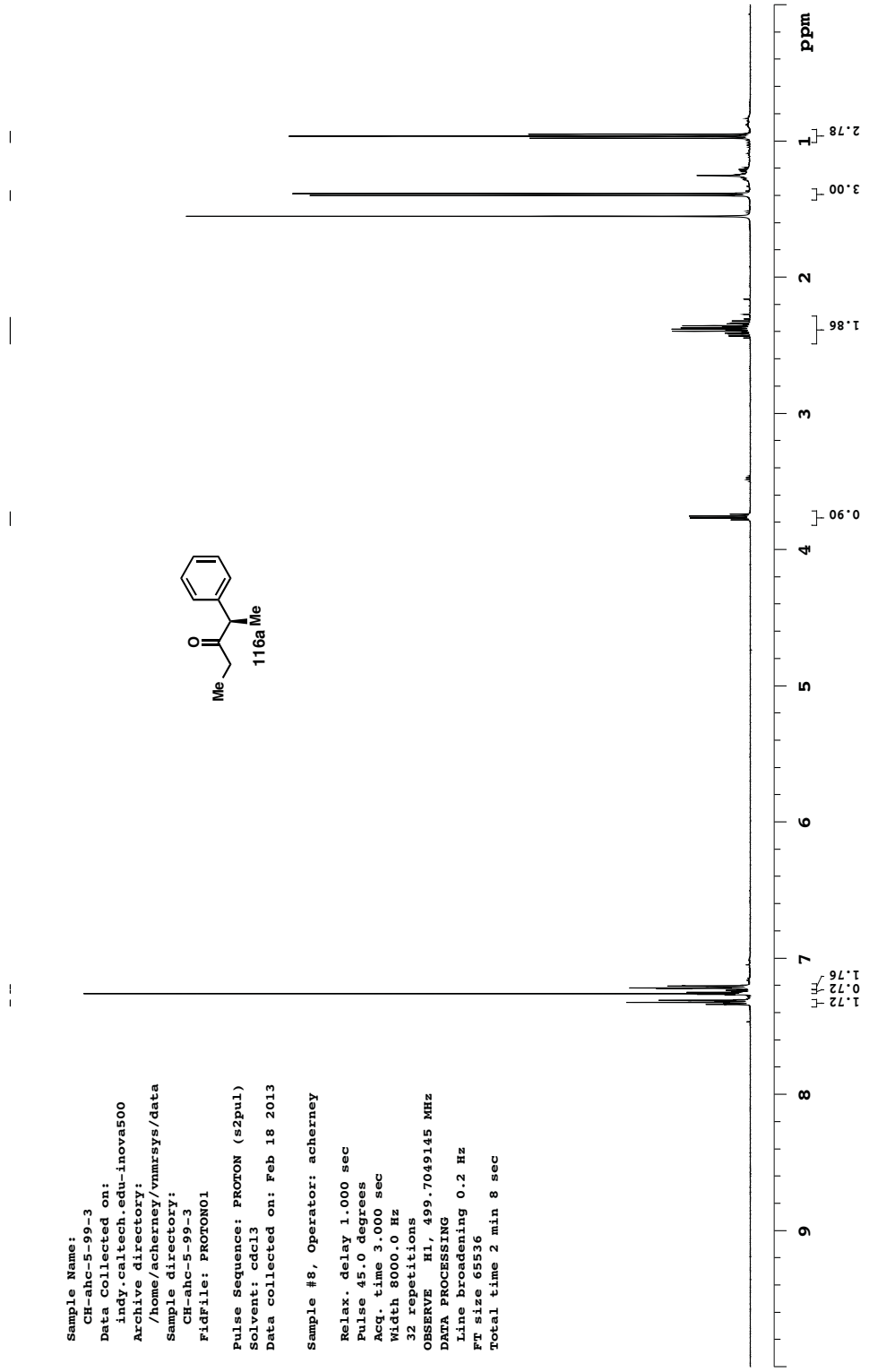

Sample Name:
CH-ahc-5-91-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-91-1
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 10 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 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
OTBS
O
MeO
114c
200
180
160
140
120
100
80
60
40
20
0
ppm

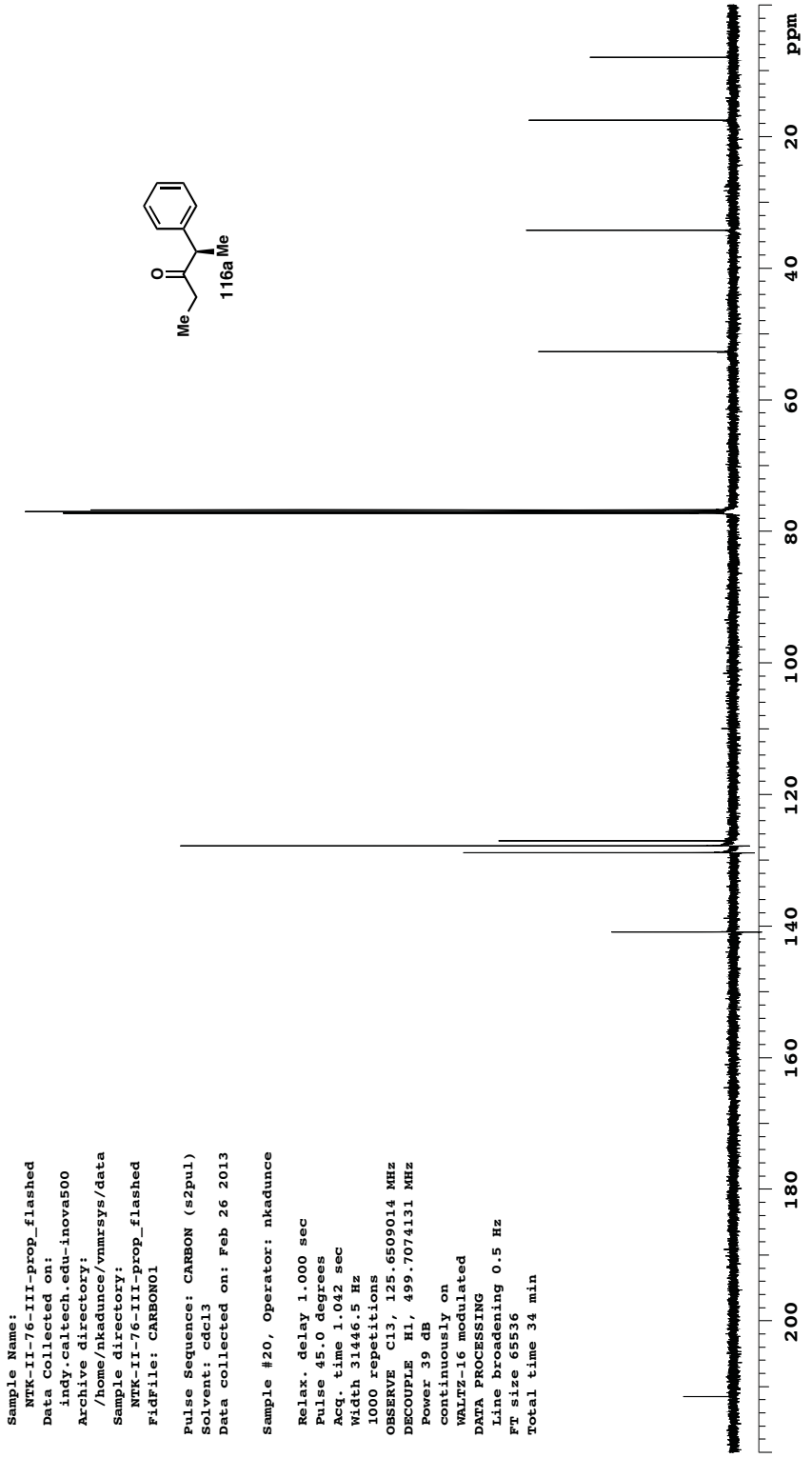

Sample Name:
CH-ahc-5-33-4
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-33-4
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 11 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 7995.2 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
MeO
O
114e
ppm
9
8
7
6
5
4
3
2
1
3.27
1.89
1.94
1.90
0.80
1.79
3.00
0.96
1.02
3.09
2.89
0.95
2.71

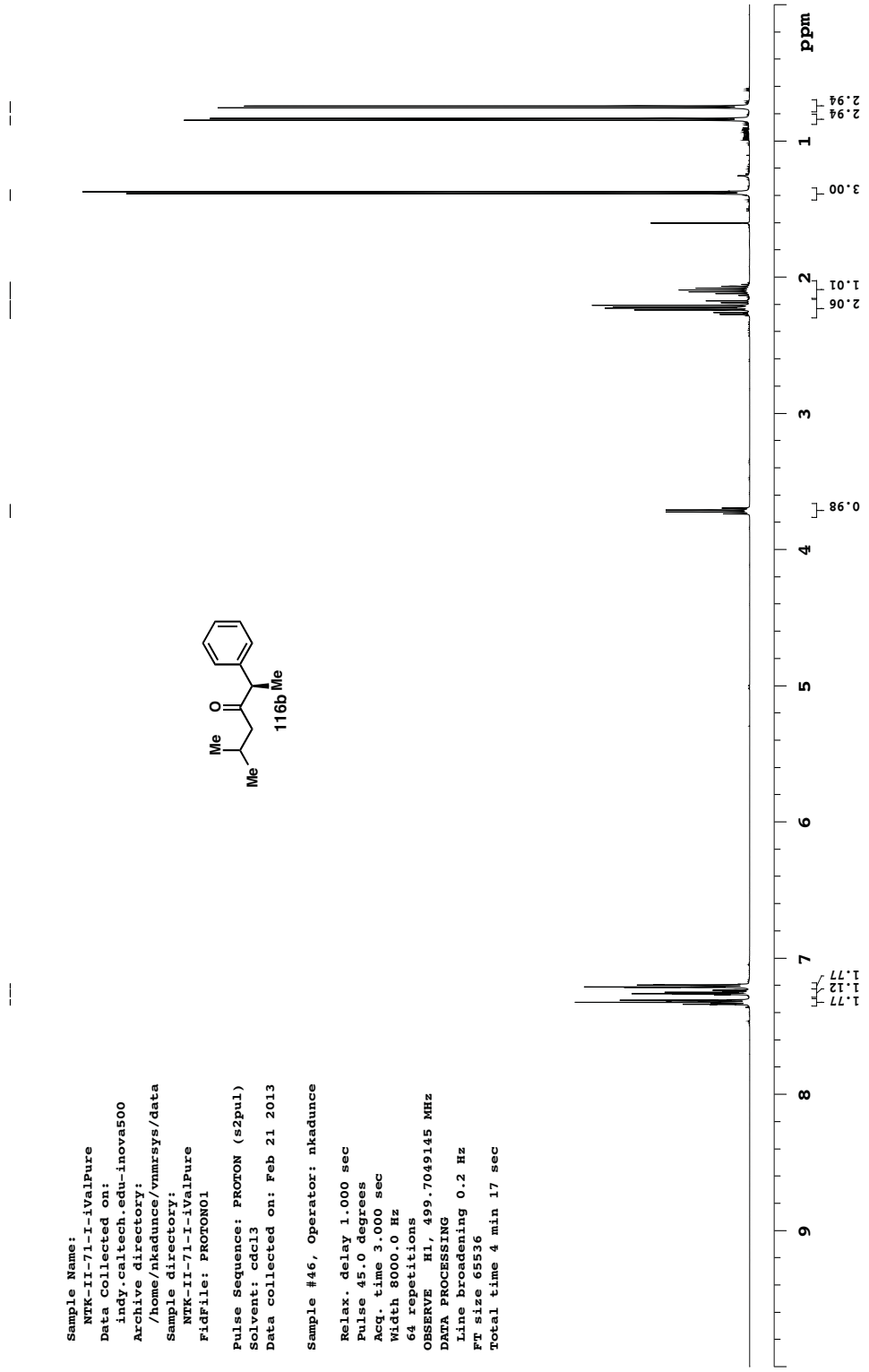

Sample Name:
CH-ahc-5-33-4
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-33-4
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 11 2013
Sample #45, Operator: acherney
Relax. delay 1.000 sec
Pulse 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
O
MeO
114e
200
180
160
140
120
100
80
60
40
20
ppm

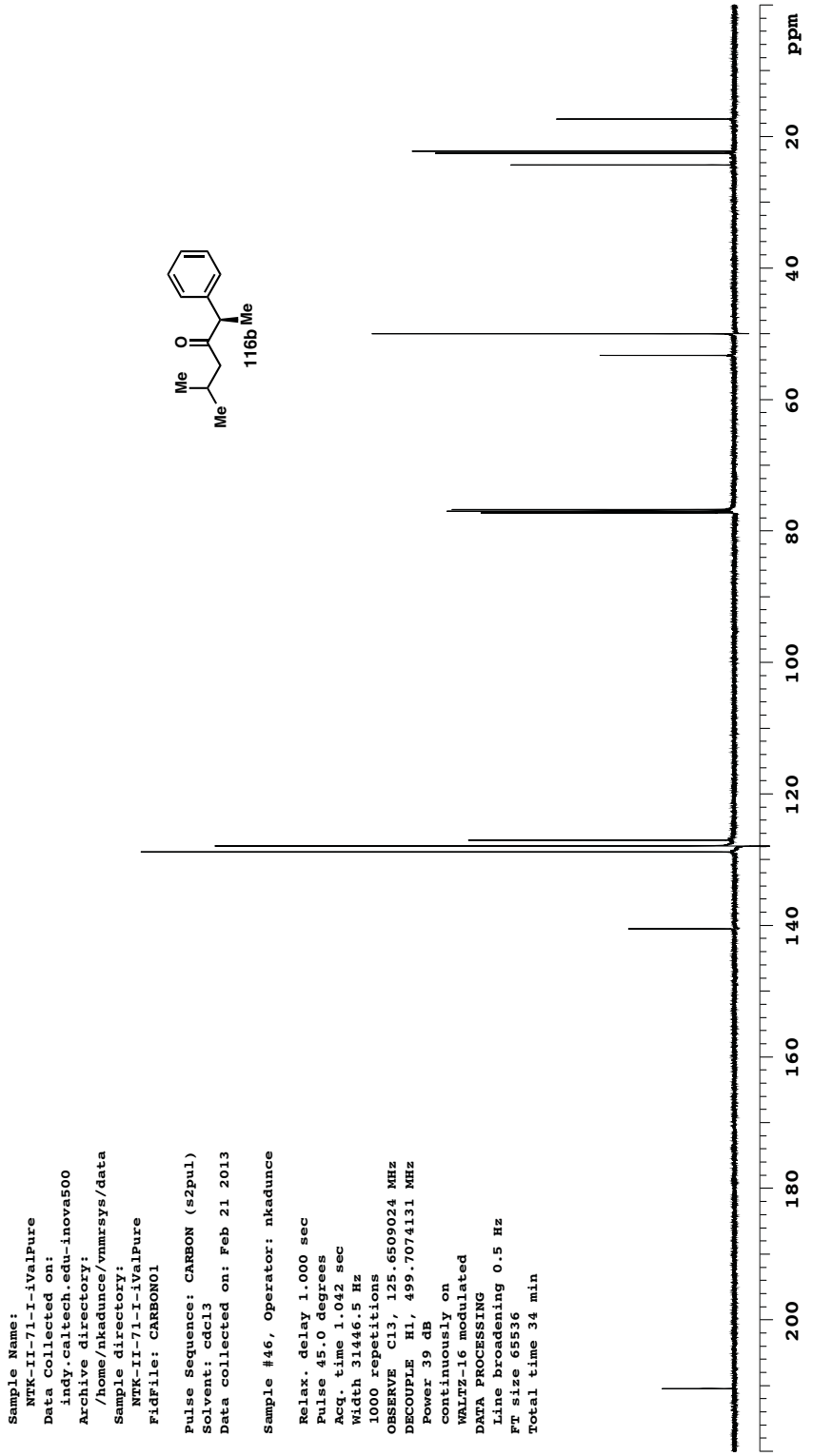

Sample Name:
NTK-II-indanylpure
Data Collected on:
hg3.caltech.edu-mercury300
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-indanylpure
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Apr 24 2013
Temp. 25.0 C / 298.1 K
Sample #14, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 4796.2 Hz
32 repetitions
OBSERVE H1, 300.0901675 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 32768
Total time 1 min 55 sec
O
MeO
114h
ppm
1.85
5.17
1.13
3.06
1.00
2.03
2.09
3.70

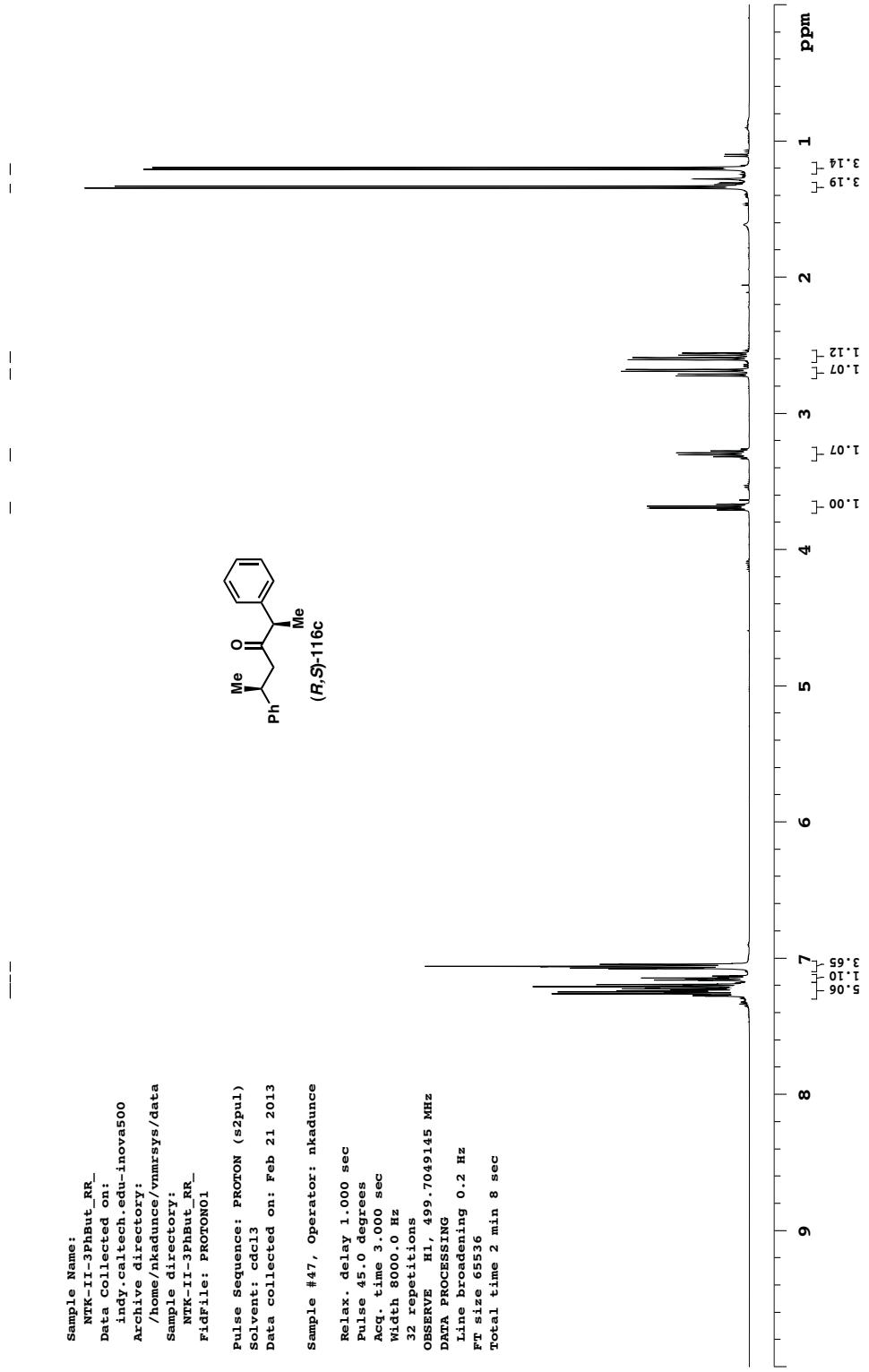

Sample Name:
NTK-II-indanylCl3
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-indanylCl3
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Apr 25 2013
Sample #10, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
800 repetitions
OBSERVE C13, 125.6509007 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 27 min
O
MeO
114h
200
180
160
140
120
100
80
60
40
20
ppm

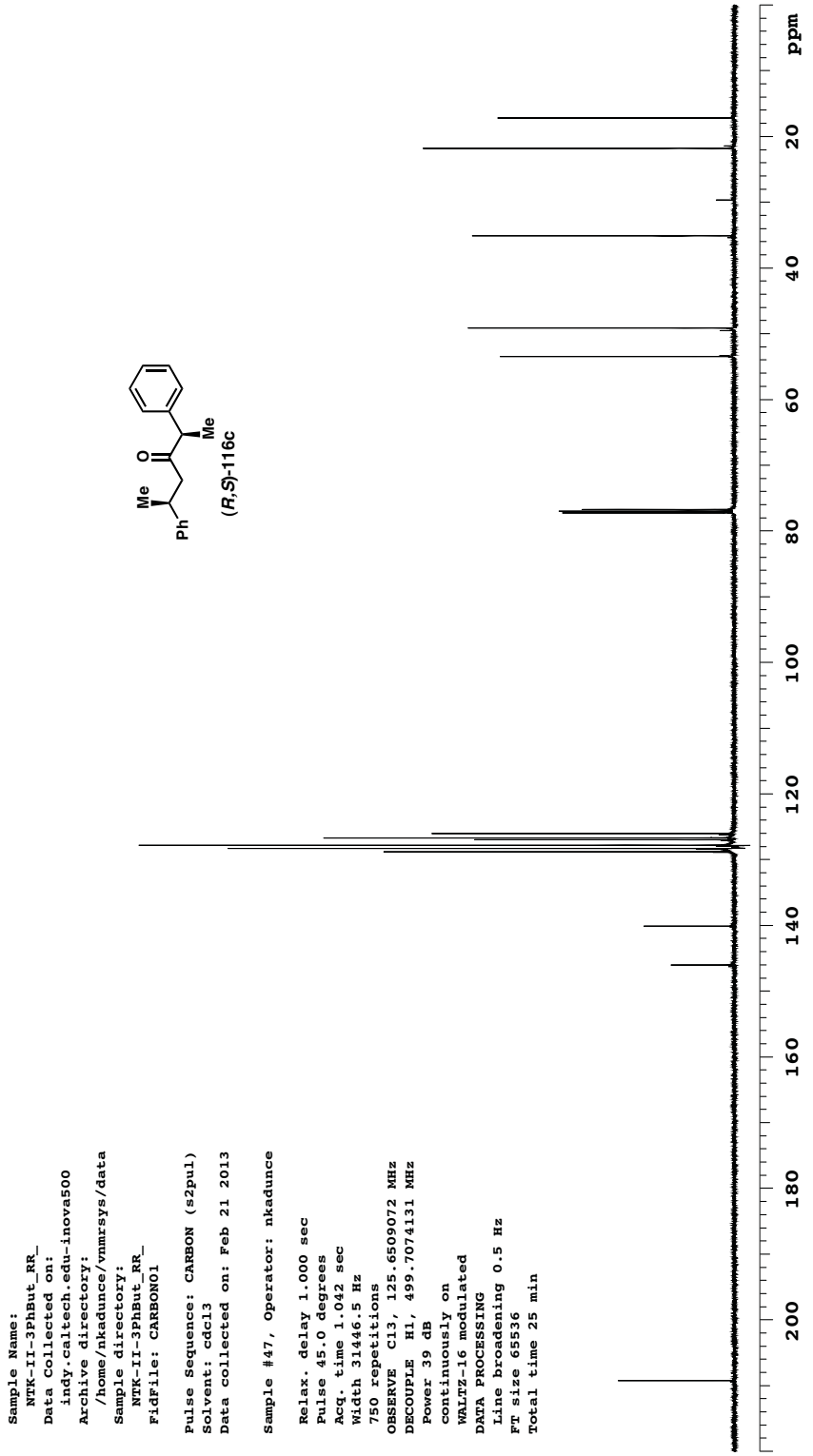

Sample Name:
CH-ahc-5-99-3
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-99-3
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 18 2013
Sample #8, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
O
Me
116a Me
ppm
1
2
3
4
5
6
7
8
9
2.78
3.00
1.86
0.90
1.72
0.72
1.76

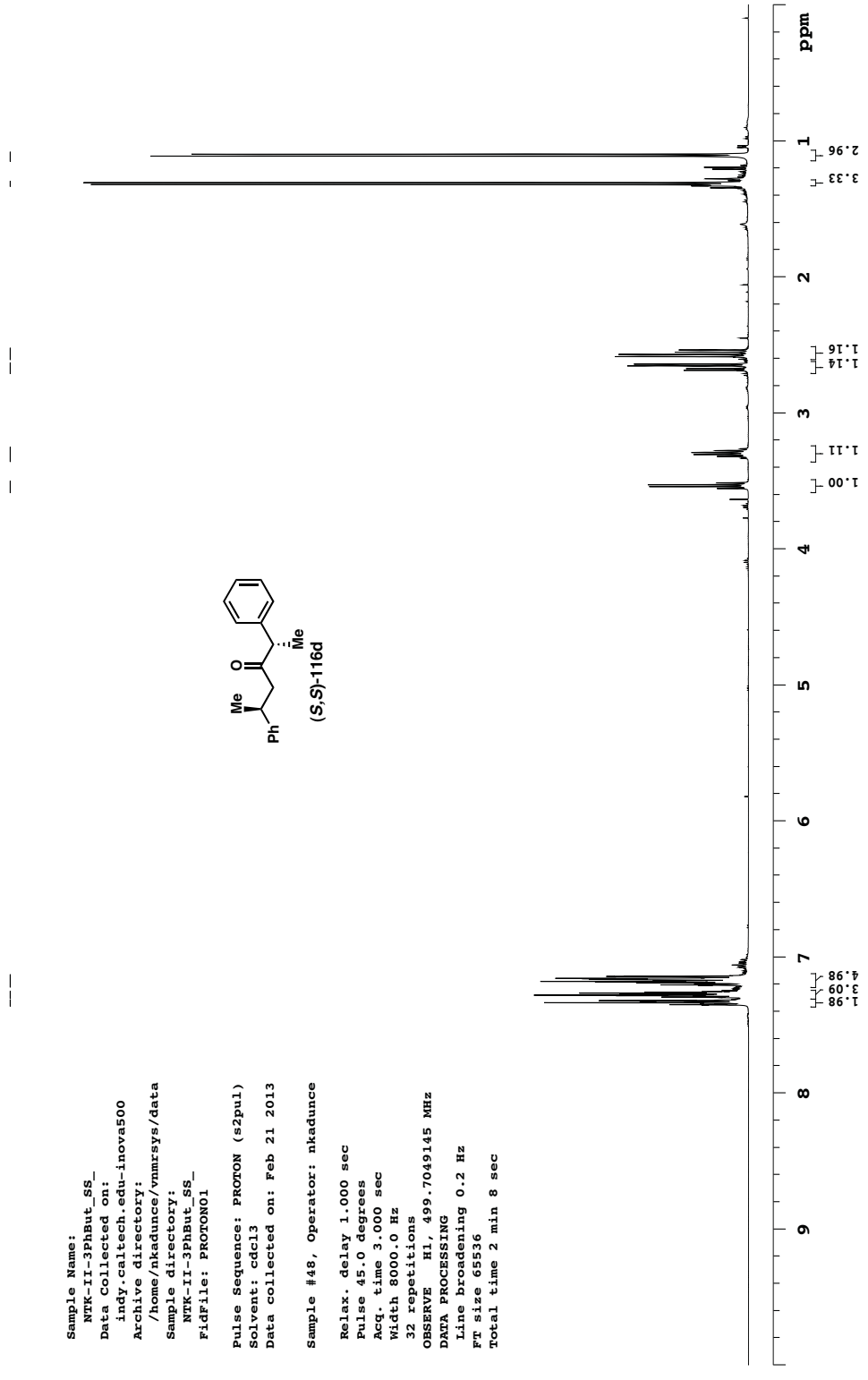

Sample Name:
NTK-II-76-III-prop_flashed
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-76-III-prop_flashed
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 26 2013
Sample #20, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6509014 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
O
Me
116a Me
200
180
160
140
120
100
80
60
40
20
ppm

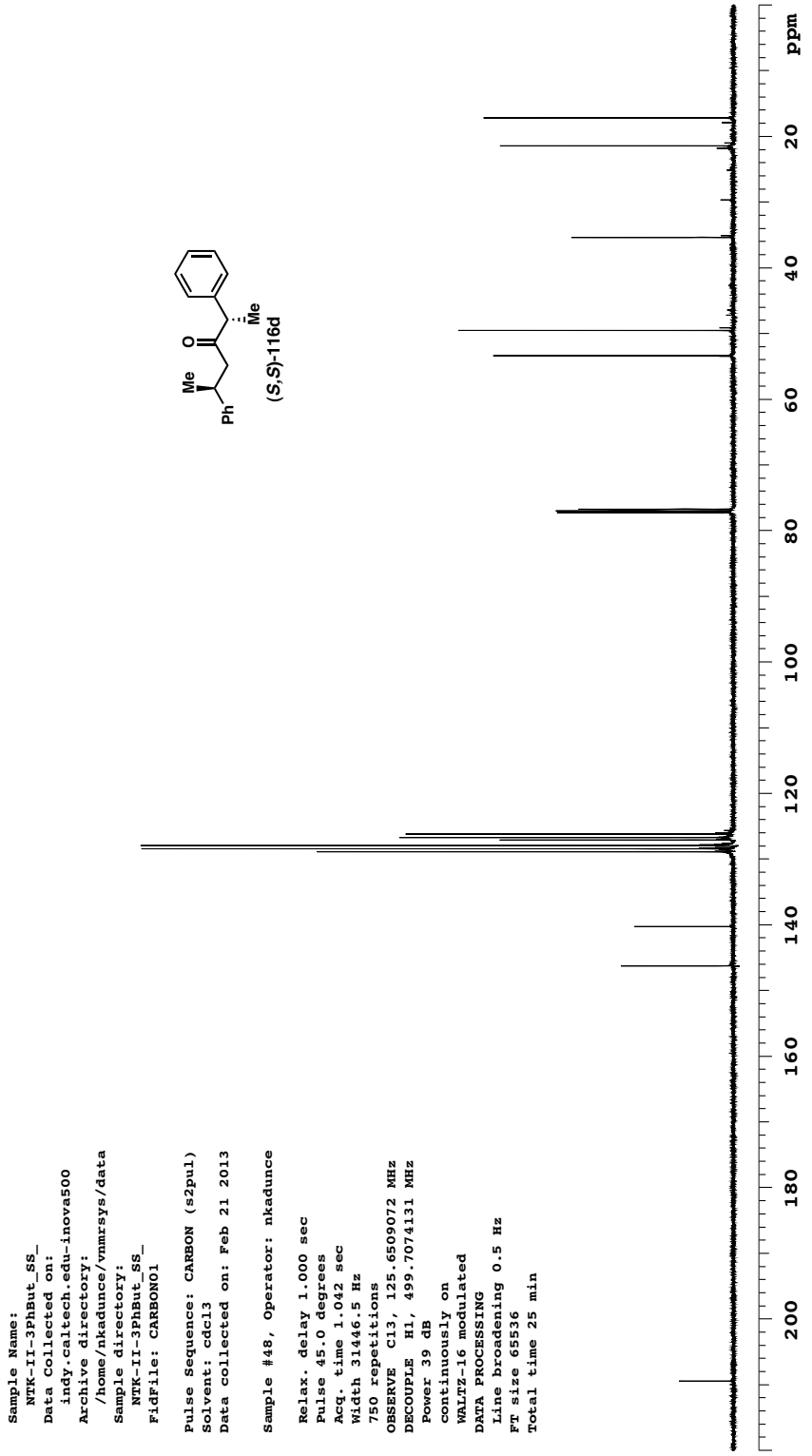

Sample Name:
NTK-II-71-I-iValPure
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-71-I-iValPure
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 21 2013
Sample #46, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
64 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 4 min 17 sec
Me
O
Me
Me
116b Me
ppm
9
8
7
6
5
4
3
2
1
1.77
1.12
1.77
2.94
2.94
3.00
2.06
1.01
0.98

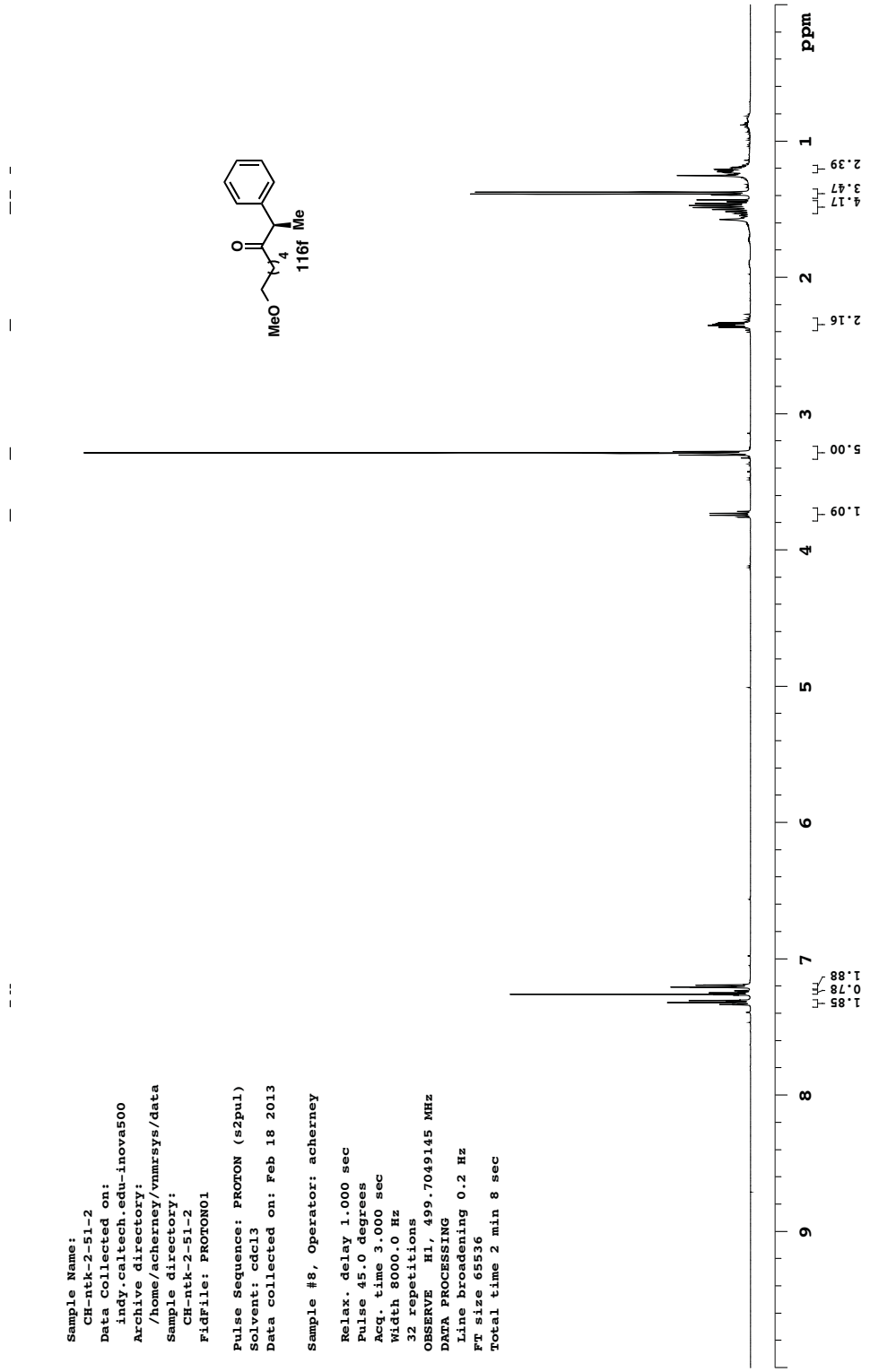

Sample Name:
NTK-II-71-I-iValPure
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-71-I-iValPure
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 21 2013
Sample #46, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 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
Me
O
Me
Me
116b
Me
200
180
160
140
120
100
80
60
40
20
ppm

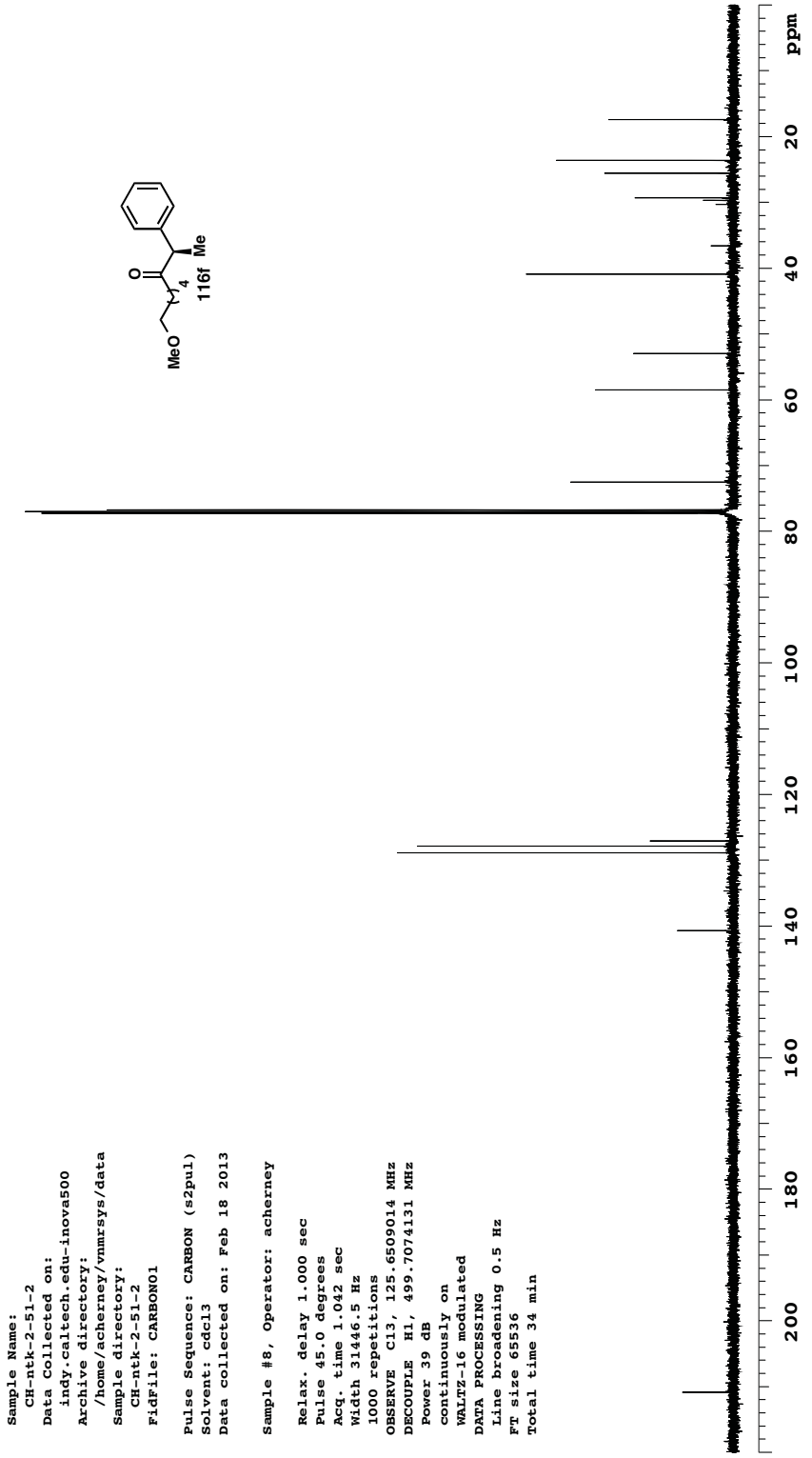

Sample Name:
NTK-II-3PhBut_RR_
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-3PhBut_RR_
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 21 2013
Sample #47, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
Me
O
Me
Ph
(R,S)-116c
ppm
1
2
3
4
5
6
7
8
9
3.14
3.19
1.07
1.12
1.07
1.00
5.06
1.10
3.65

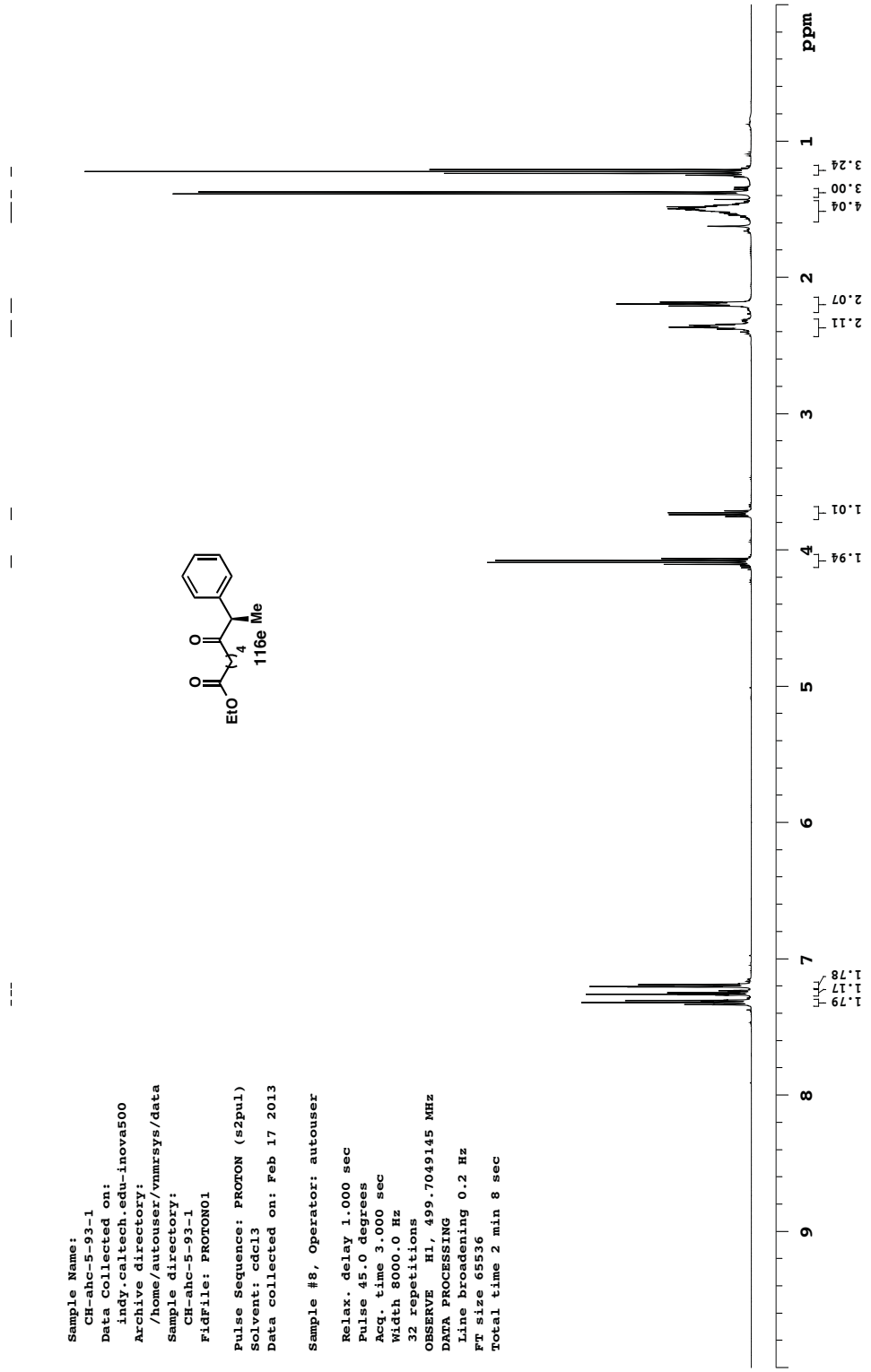

Sample Name:
NTK-II-3PhBut_RR_
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-3PhBut_RR_
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 21 2013
Sample #47, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
750 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 25 min
Me
O
Me
Ph
(R,S)-116c
200
180
160
140
120
100
80
60
40
20
ppm

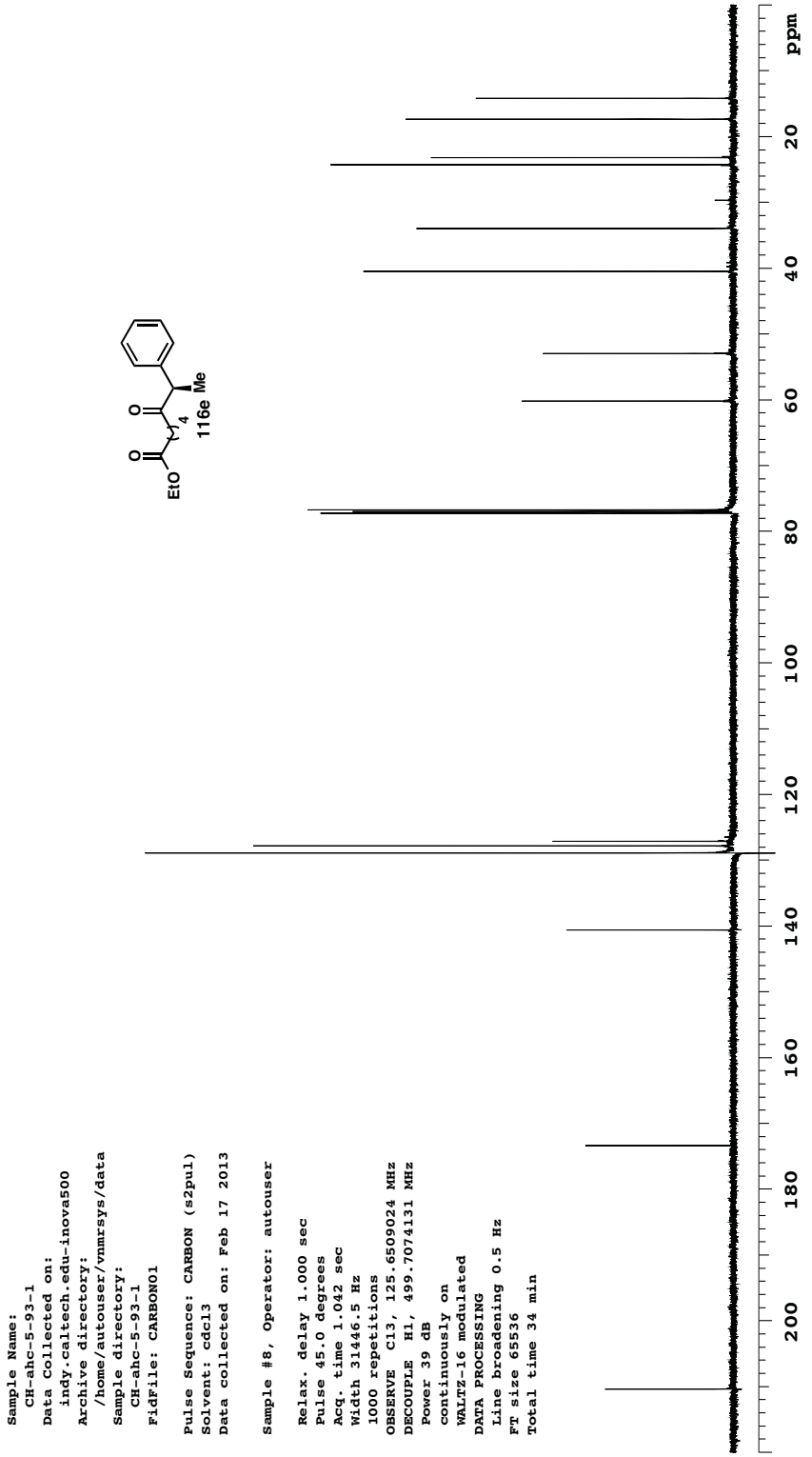

Sample Name:
NTK-II-3PhBut_SS_
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-3PhBut_SS_
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 21 2013
Sample #48, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
Me
O
Me
Ph
(S,S)-116d
ppm
1
2
3
4
5
6
7
8
9
2.96
3.33
1.14
1.16
1.11
1.00
1.98
3.09
4.98

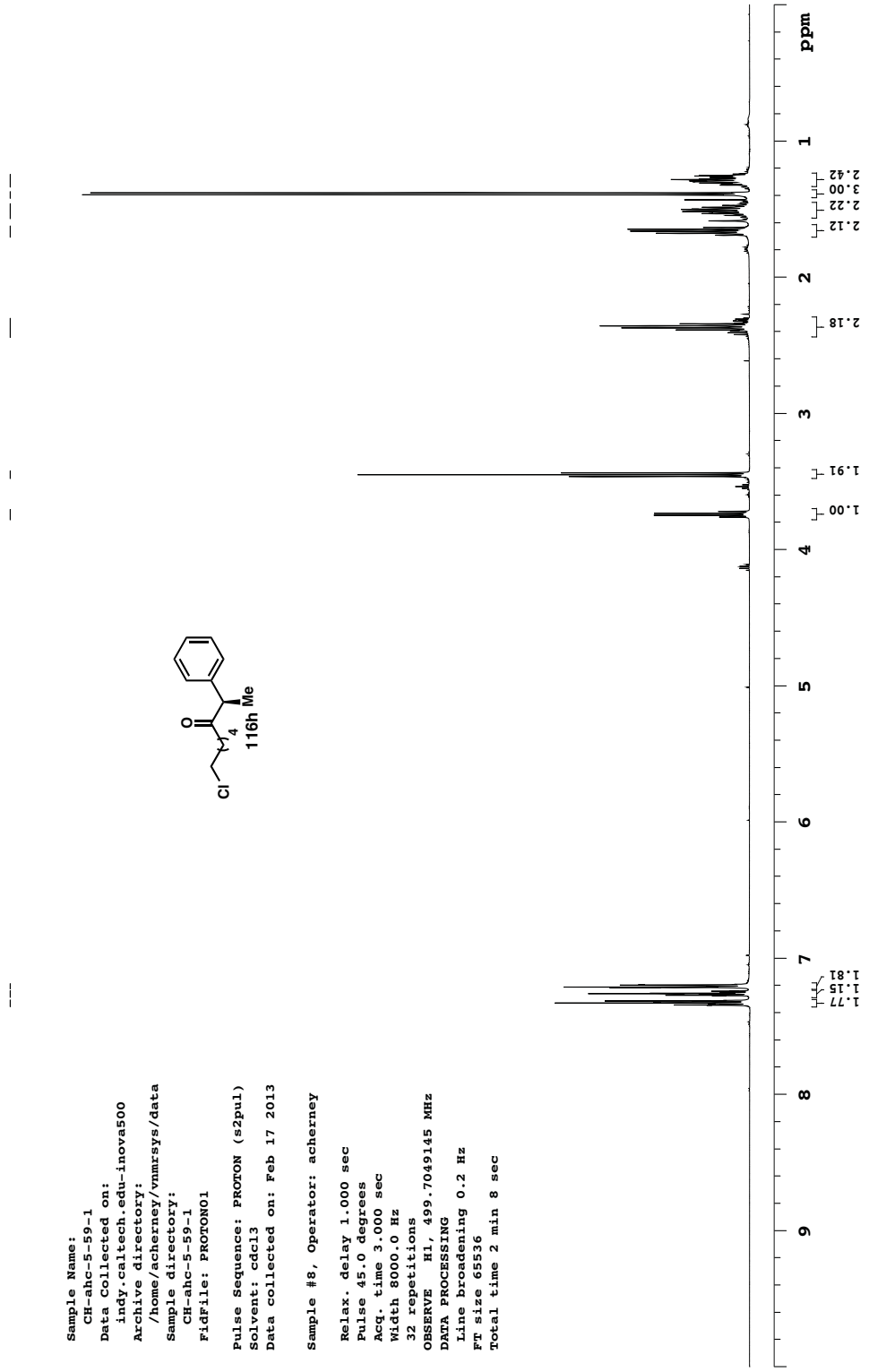

Sample Name:
NTK-II-3PhBut_SS_
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-3PhBut_SS_
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 21 2013
Sample #48, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
750 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 25 min
Me
O
Ph
Me
(S,S)-116d
200
180
160
140
120
100
80
60
40
20
ppm

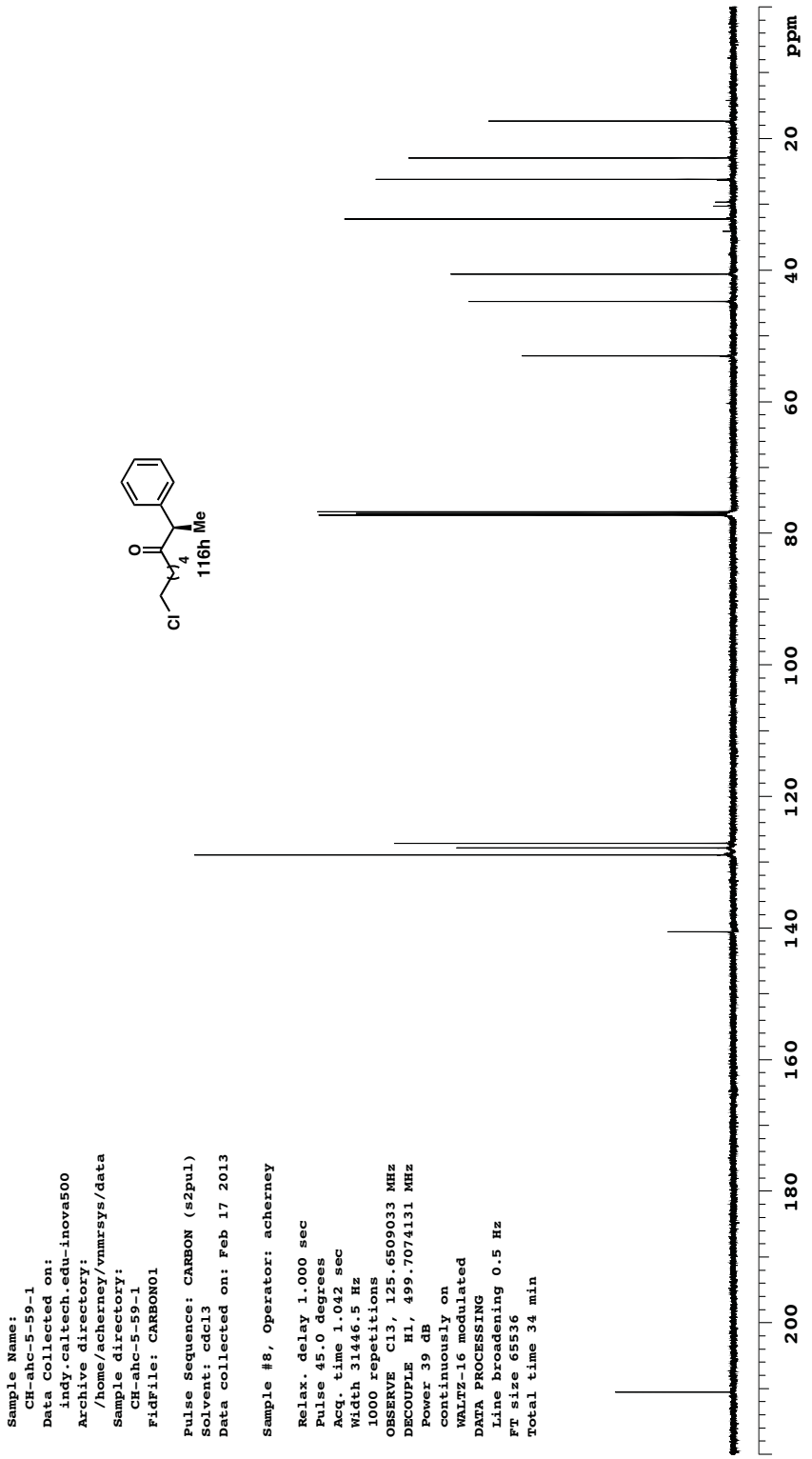

Sample Name:
CH-ntk-2-51-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ntk-2-51-2
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 18 2013
Sample #8, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
MeO
O
4
116f
Me
ppm
1.85
0.78
1.88
1.09
5.00
2.16
2.39
3.47
4.17

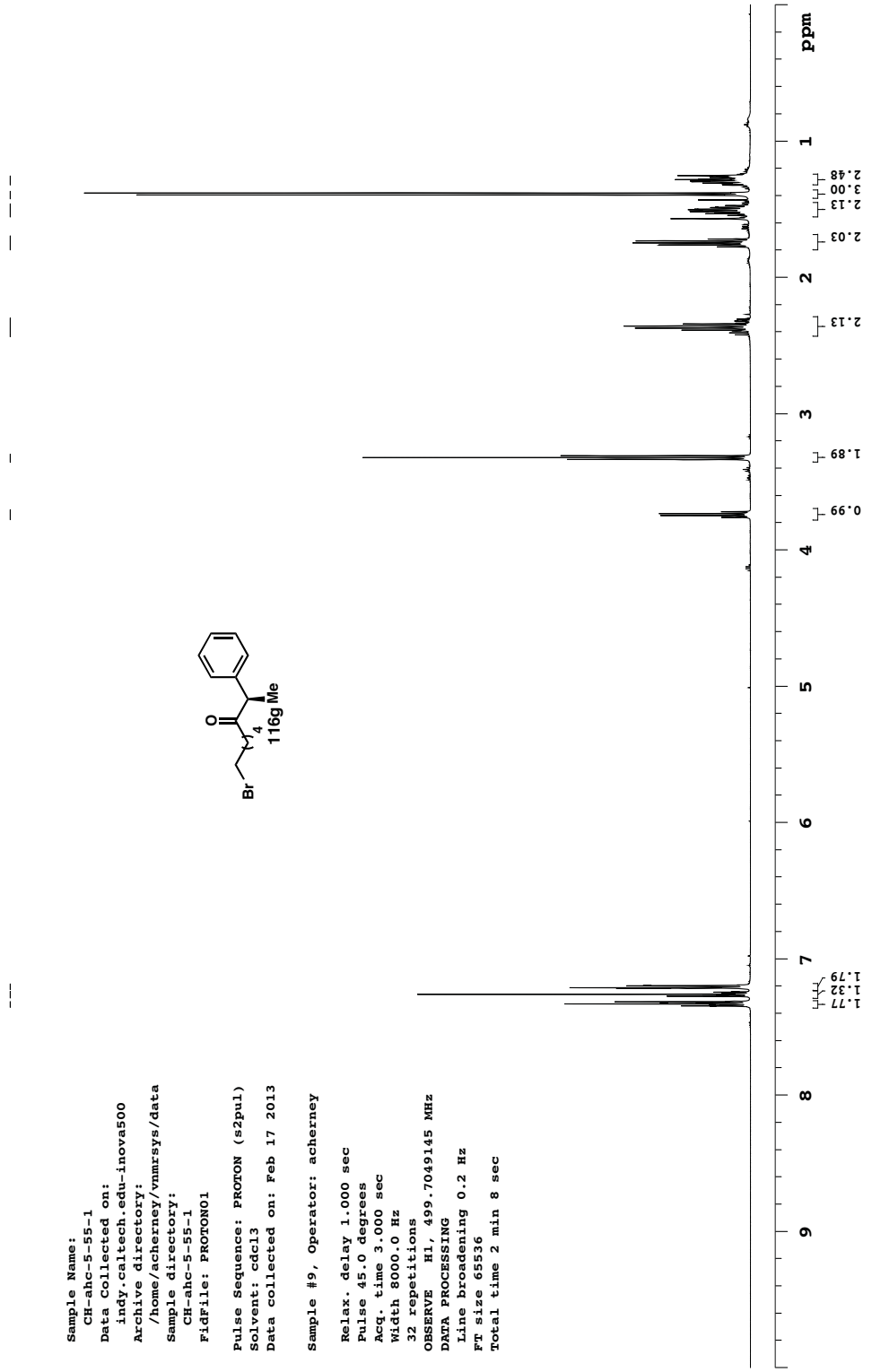

Sample Name:
CH-ntk-2-51-2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ntk-2-51-2
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 18 2013
Sample #8, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6509014 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
O
MeO
4
Me
116f
200
180
160
140
120
100
80
60
40
20
ppm

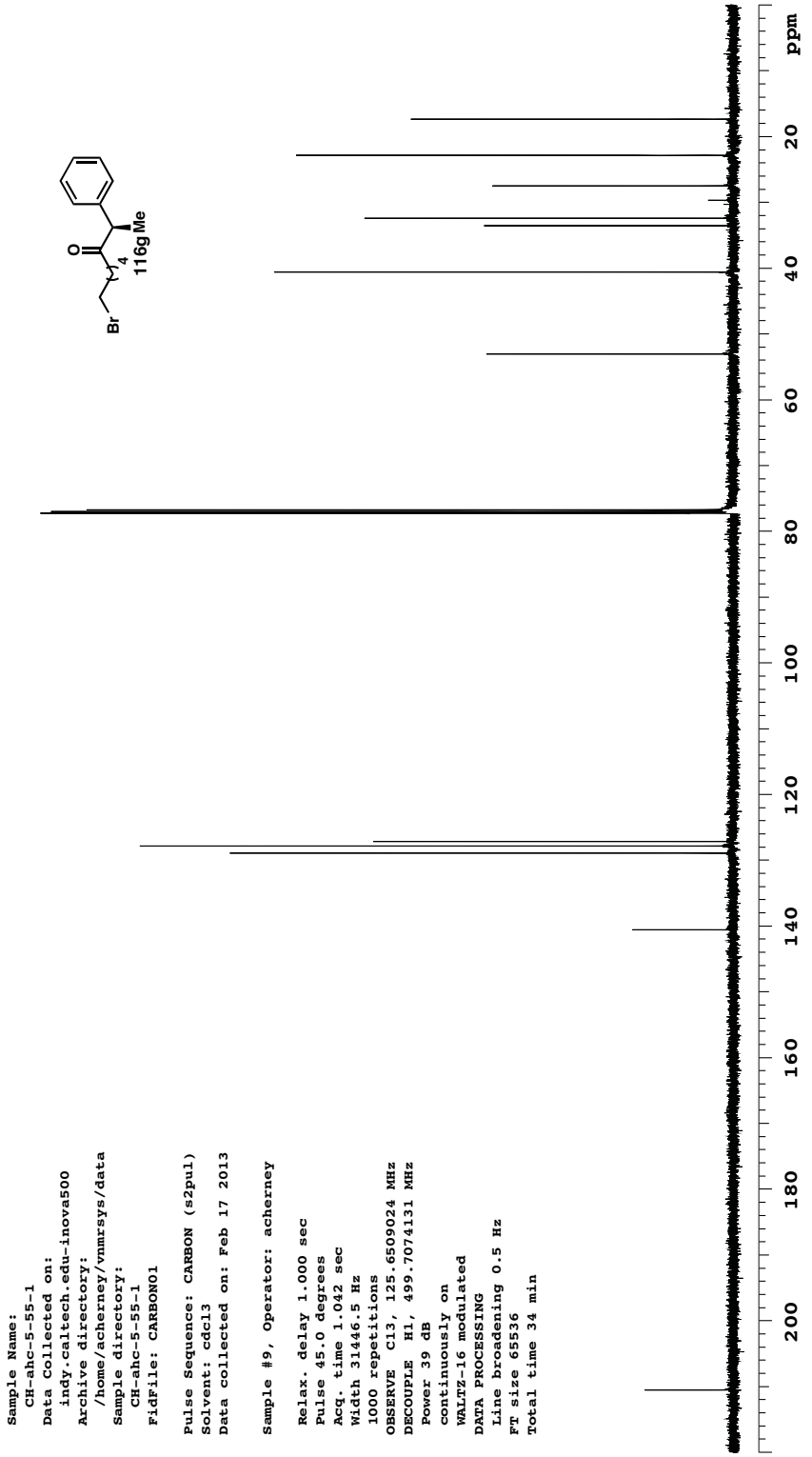

Sample Name:
CH-ahc-5-93-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/autouser/vnmrsys/data
Sample directory:
CH-ahc-5-93-1
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 17 2013
Sample #8, Operator: autouser
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
EtO
O
O
4
116e Me
ppm
1
2
3
4
5
6
7
8
9
3.24
3.00
4.04
2.07
2.11
1.01
1.94
1.79
1.17
1.78

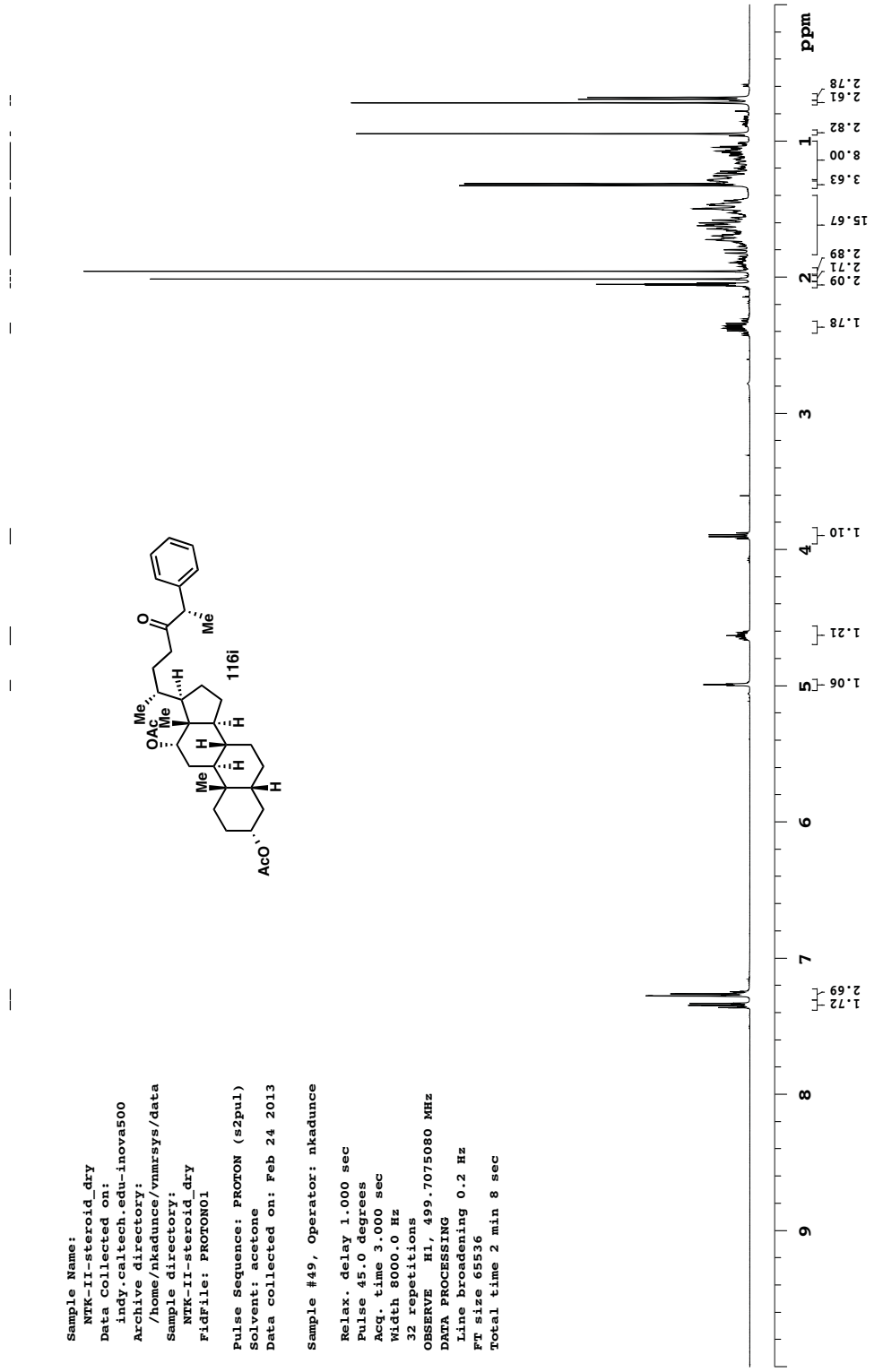

Sample Name:
CH-ahc-5-93-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/autouser/vnmrsys/data
Sample directory:
CH-ahc-5-93-1
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 17 2013
Sample #8, Operator: autouser
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 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
EtO
O
O
4
Me
116e
200
180
160
140
120
100
80
60
40
20
ppm

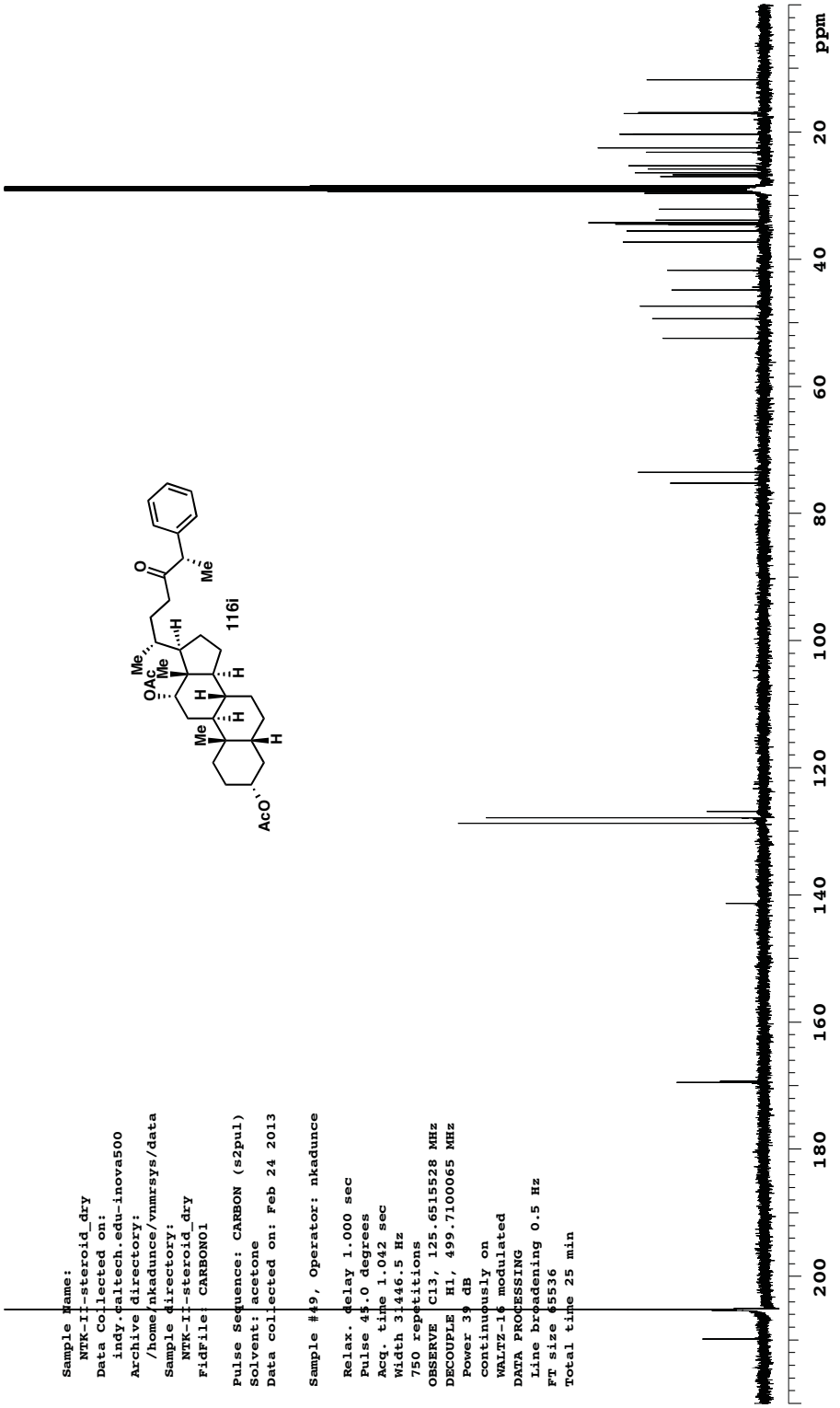

Sample Name:
CH-ahc-5-59-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-59-1
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 17 2013
Sample #8, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
O
Cl
4
116h
Me
ppm
1.77
1.15
1.81
2.42
3.00
2.22
2.12
2.18
1.91
1.00


Sample Name:
CH-ahc-5-59-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-59-1
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 17 2013
Sample #8, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6509033 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
O
4
Cl
116h Me
200
180
160
140
120
100
80
60
40
20
ppm


Sample Name:
CH-ahc-5-55-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-55-1
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 17 2013
Sample #9, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7049145 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
O
4
Br
116g Me
ppm
1
2
3
4
5
6
7
8
9
1.77
1.32
1.79
2.48
3.00
2.13
2.03
2.13
1.89
0.99


Sample Name:
CH-ahc-5-55-1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/acherney/vnmrsys/data
Sample directory:
CH-ahc-5-55-1
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 17 2013
Sample #9, Operator: acherney
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 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
O
Br
4
116g Me
200
180
160
140
120
100
80
60
40
20
ppm


Sample Name:
NTK-II-steroid_dry
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-steroid_dry
FidFile: PROTON01
Pulse Sequence: PROTON (s2pul)
Solvent: acetone
Data collected on: Feb 24 2013
Sample #49, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7075080 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 2 min 8 sec
116i
ppm
2.78
2.61
2.82
8.00
3.63
15.67
2.89
2.71
2.09
1.78
1.10
1.21
1.06
1.72
2.69


Sample Name:
NTK-II-steroid_dry
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/nkadunce/vnmrsys/data
Sample directory:
NTK-II-steroid_dry
FidFile: CARBON01
Pulse Sequence: CARBON (s2pul)
Solvent: acetone
Data collected on: Feb 24 2013
Sample #49, Operator: nkadunce
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
750 repetitions
OBSERVE C13, 125.6515528 MHz
DECOUPLE H1, 499.7100065 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 25 min
116i
ppm
200
180
160
140
120
100
80
60
40
20