

SUPPORTING INFORMATION

PROTON NMR AND SELECTED CARBON NMR SPECTRA

for the
communication
entitled

*A Highly Stereoselective Diels-Alder Cycloaddition of Enones with Chiral Cyclic 2-Amidodienes
Derived from Allenamides.*

authored by

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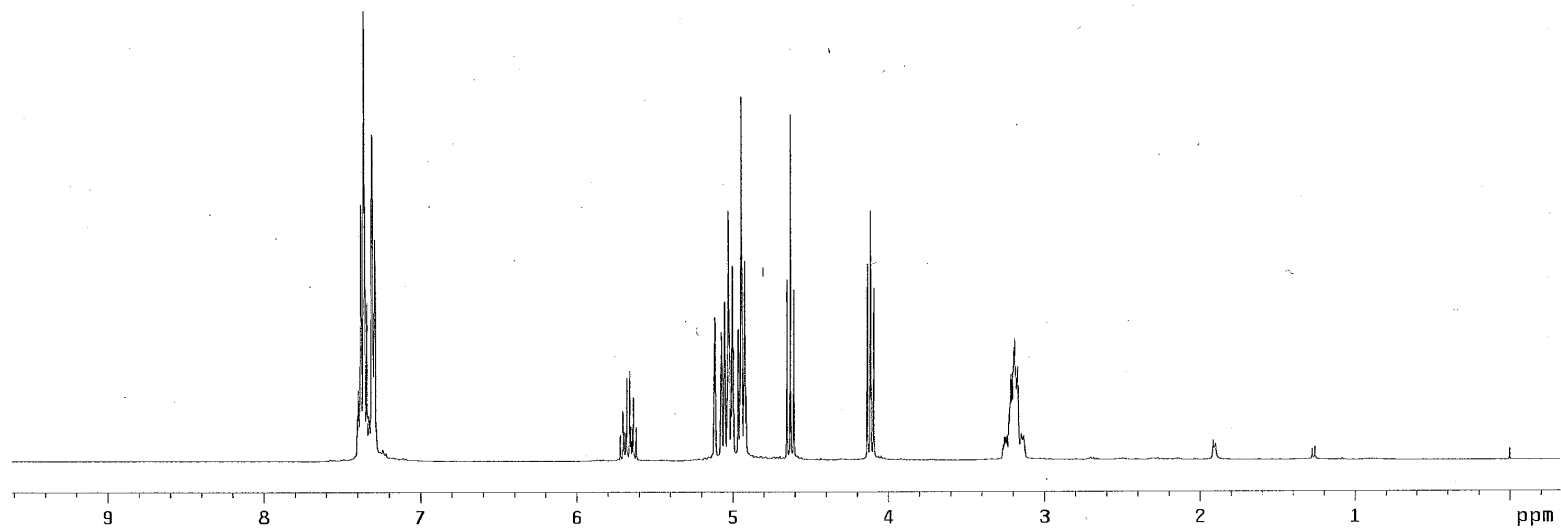
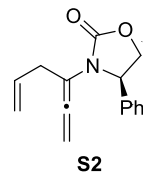
20130528-P145_28May2013

Archive directory: /export/home/t1chao/vnmrsys/data
Sample directory: 20130528-P145_28May2013

Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865159 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



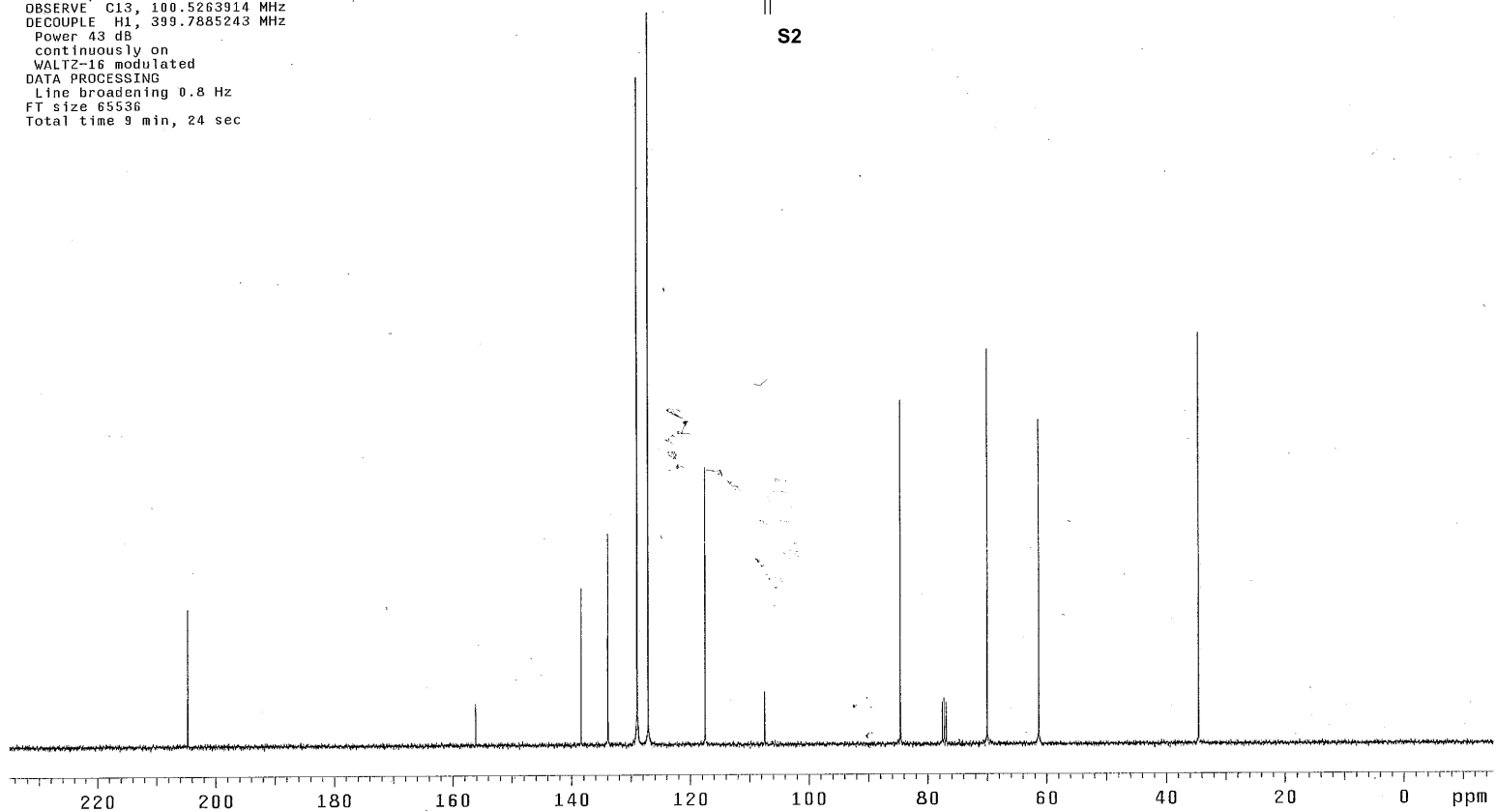
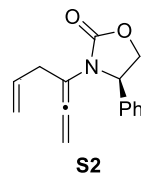
20130528-P145_28May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130528-P145_28May2013
File: CARBON

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
INOVA-400 "ui400"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
256 repetitions
OBSERVE C13, 100.5263914 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 min, 24 sec



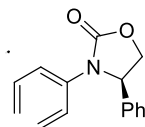
20130303_03Mar2013

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Sample directory: 20130303_03Mar2013

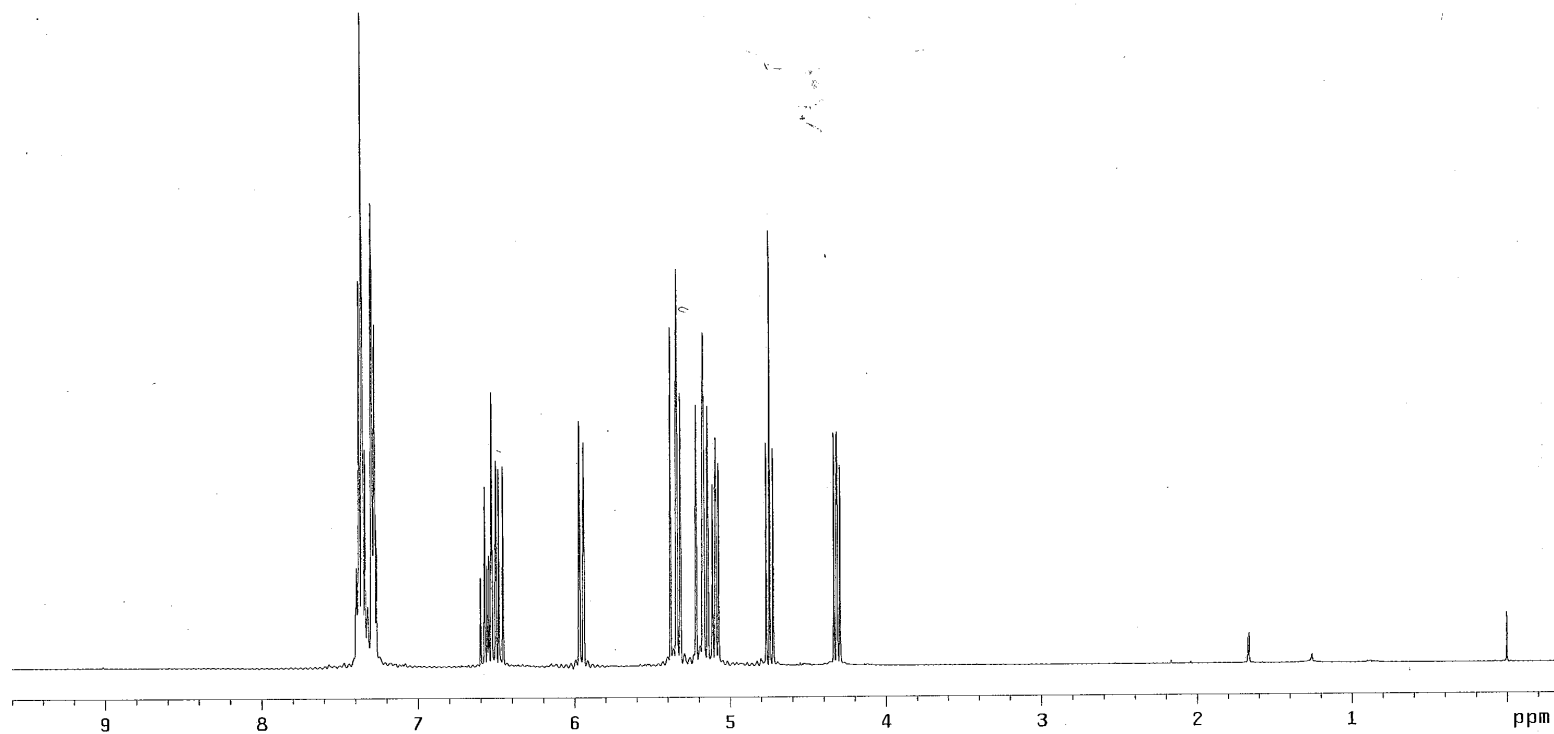
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Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865220 MHz
DATA PROCESSING
F1 size 65536
Total time 0 min, 57 sec



S3



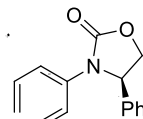
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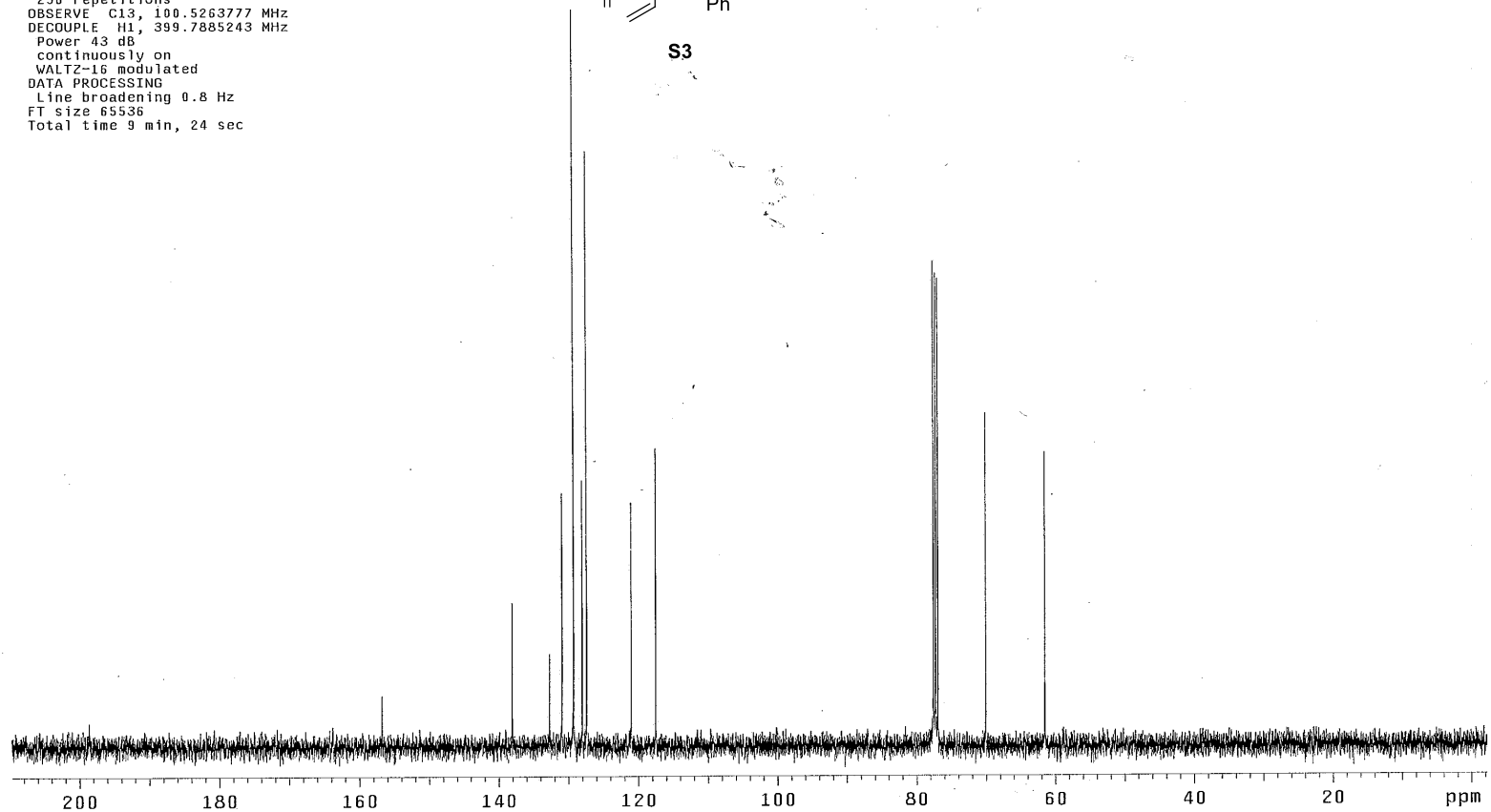
Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
256 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 min, 24 sec



S3



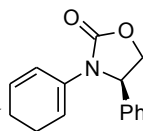
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Sample directory: 20130312-P28_13Mar2013

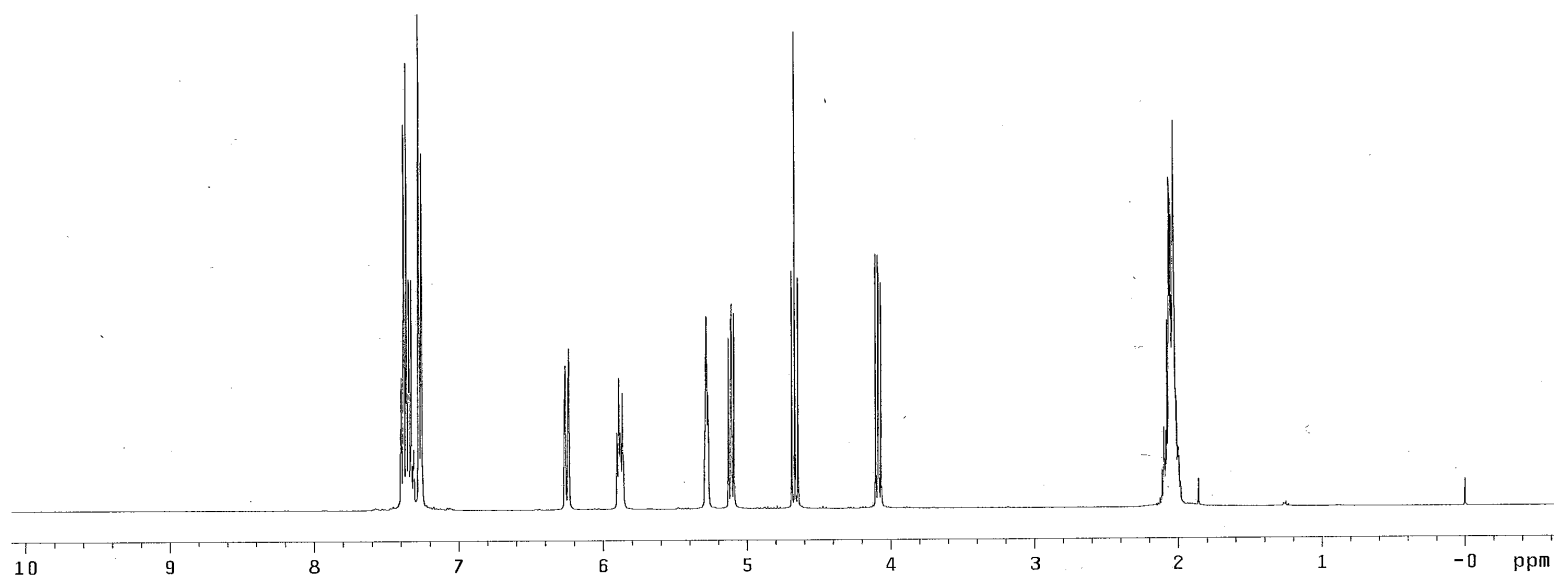
Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INDVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865161 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



16



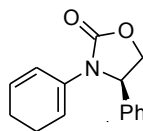
20130312-P28_13Mar2013

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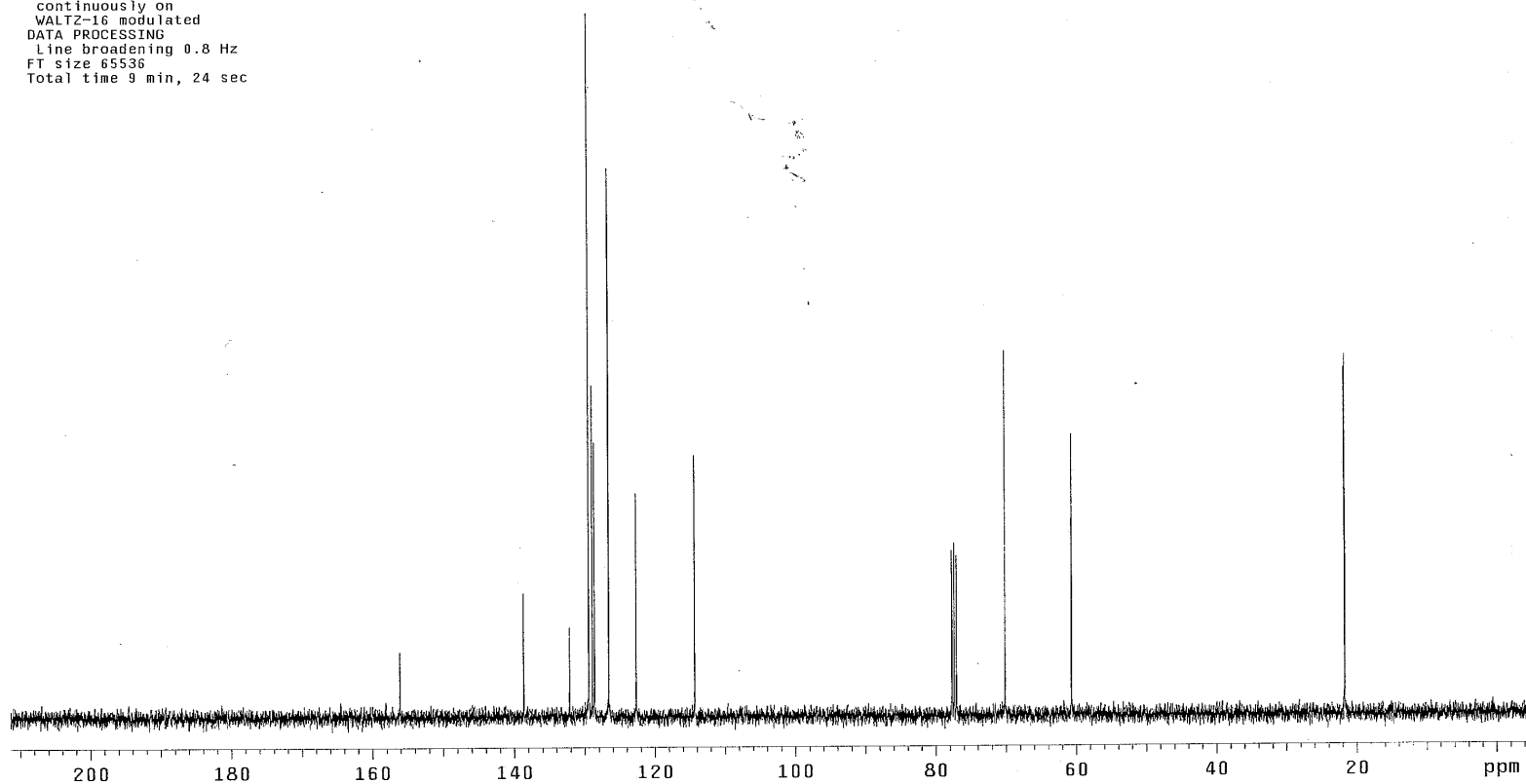
Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
16 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 min, 24 sec



16



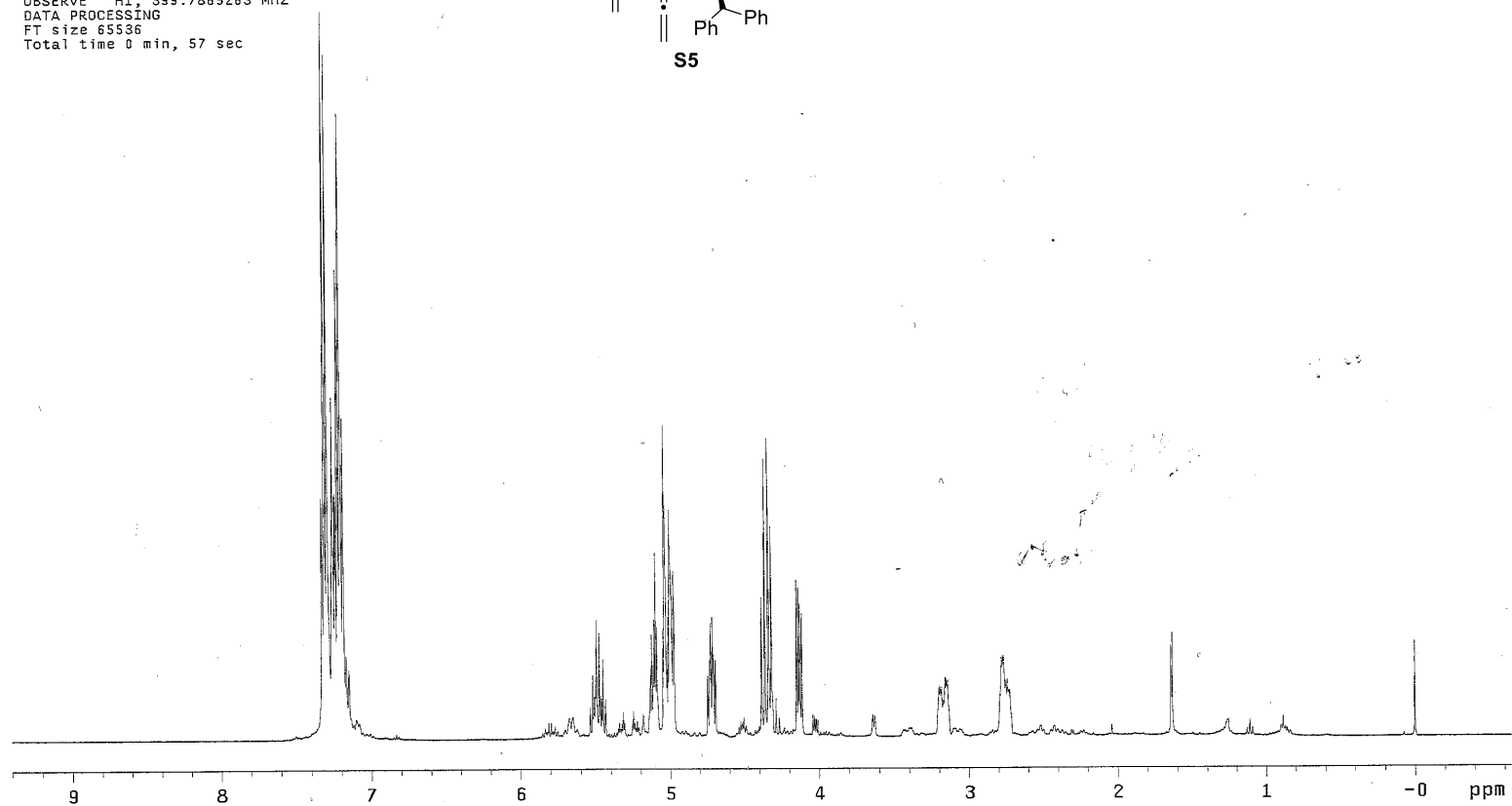
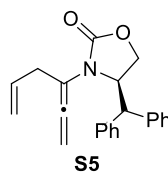
20130523-P137_23May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130523-P137_23May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865263 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec

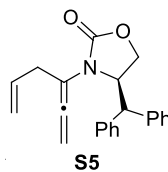


20130528-P144_28May2013

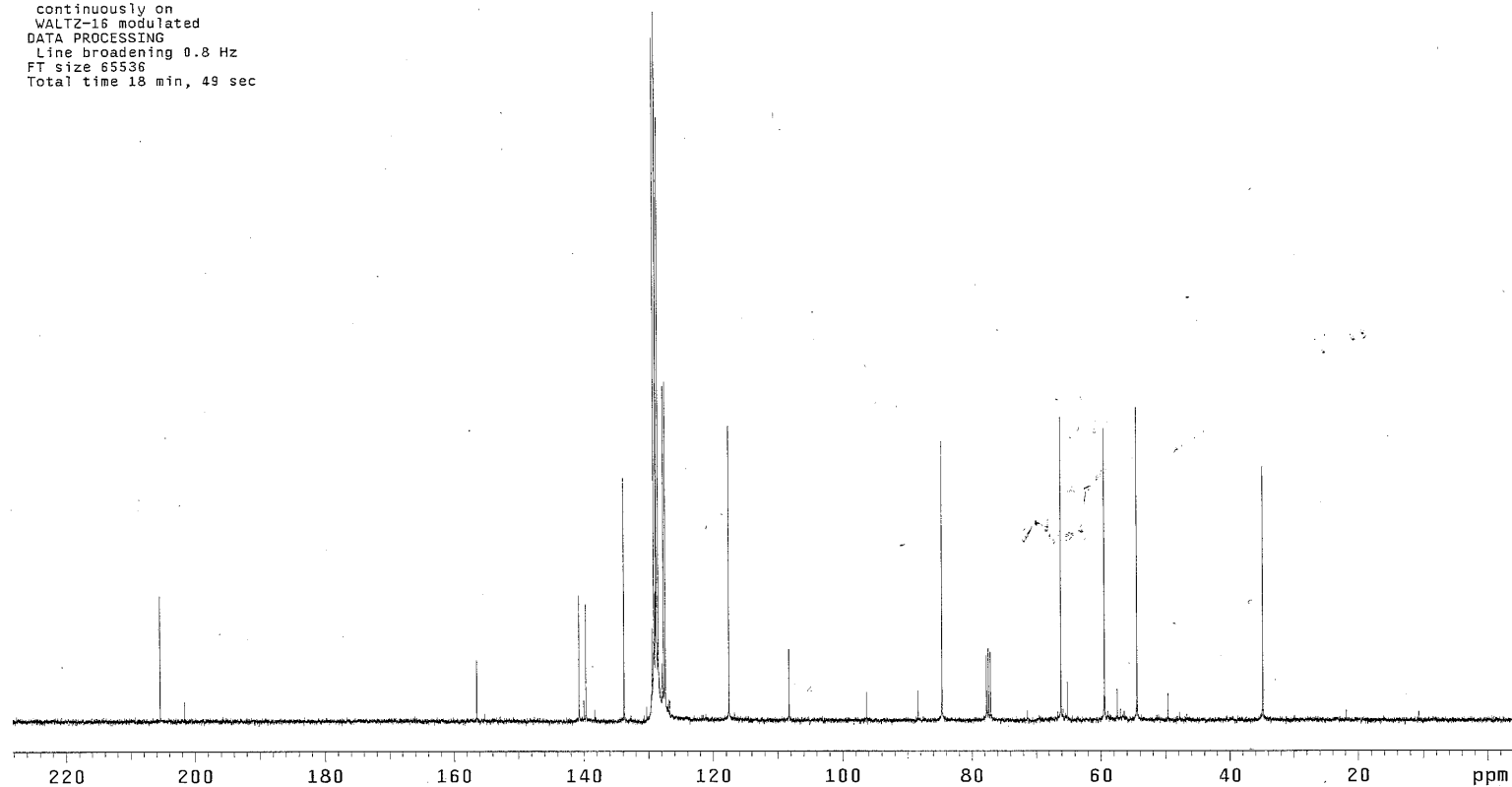
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Sample directory: 20130528-P144_28May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
512 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 18 min, 49 sec



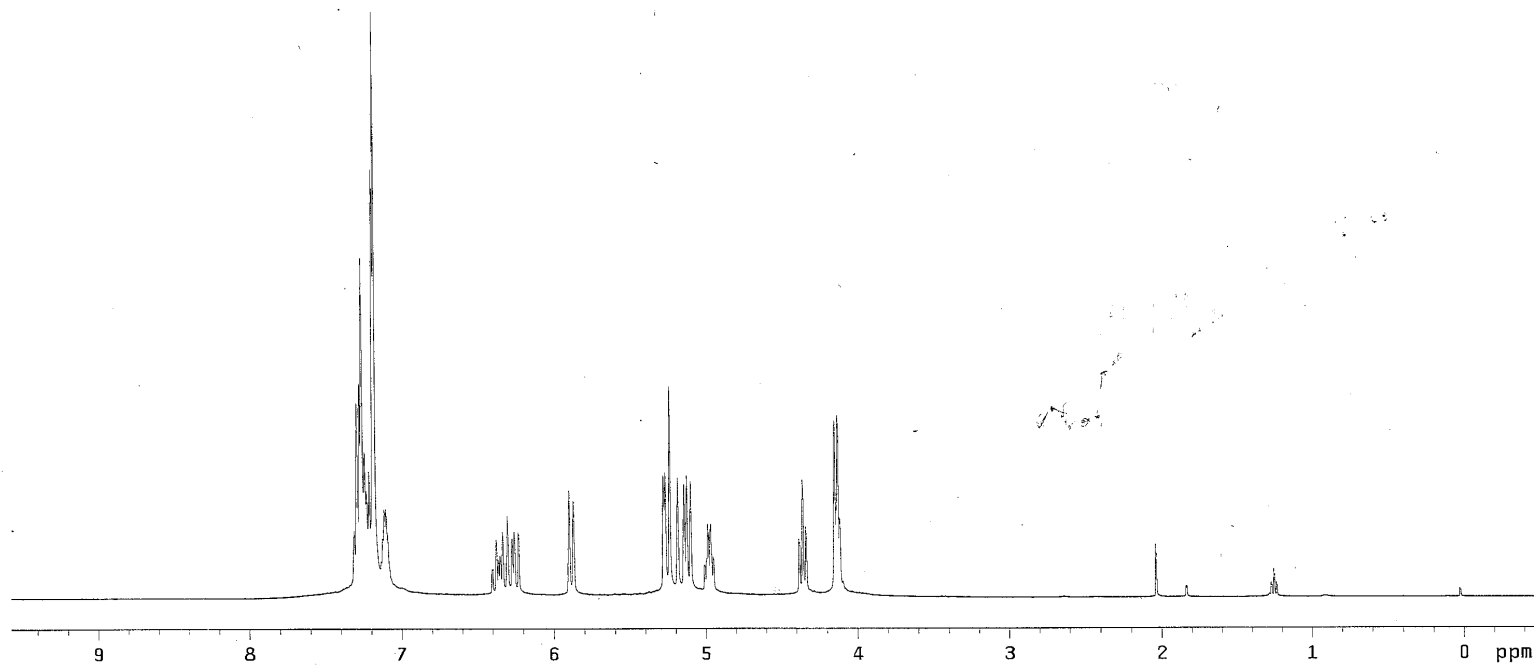
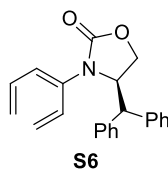
20130503-P101_03May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130503-P101_03May2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp: 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865251 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



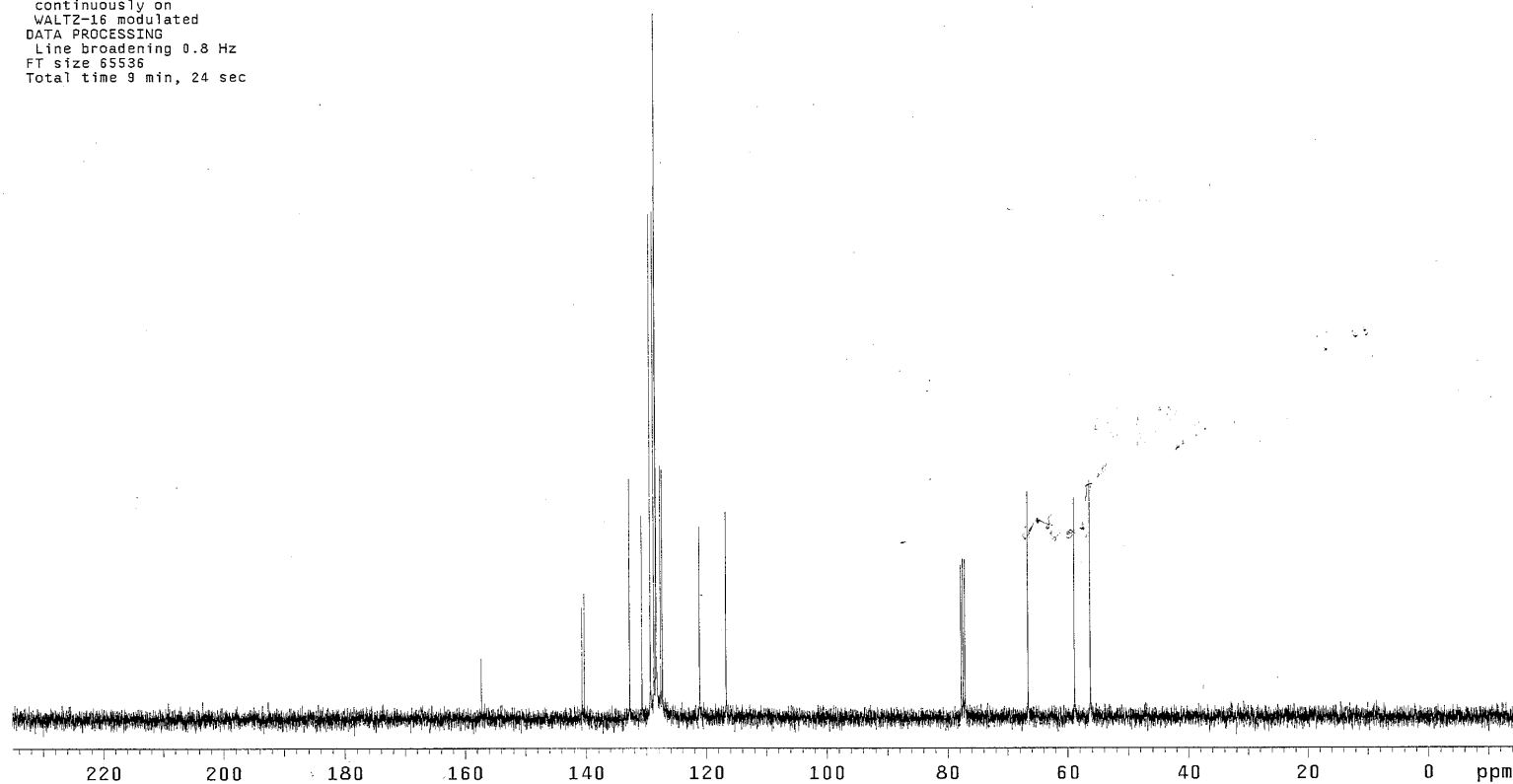
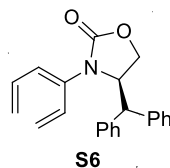
20130503-P101_03May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130503-P101_03May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
16 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 min, 24 sec



20130505-P104_06May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130505-P104_06May2013

Pulse Sequence: s2pu1

Solvent: CDCl3

Temp. 25.0 C / 298.1 K

File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 3.754 sec

Width 6387.7 Hz

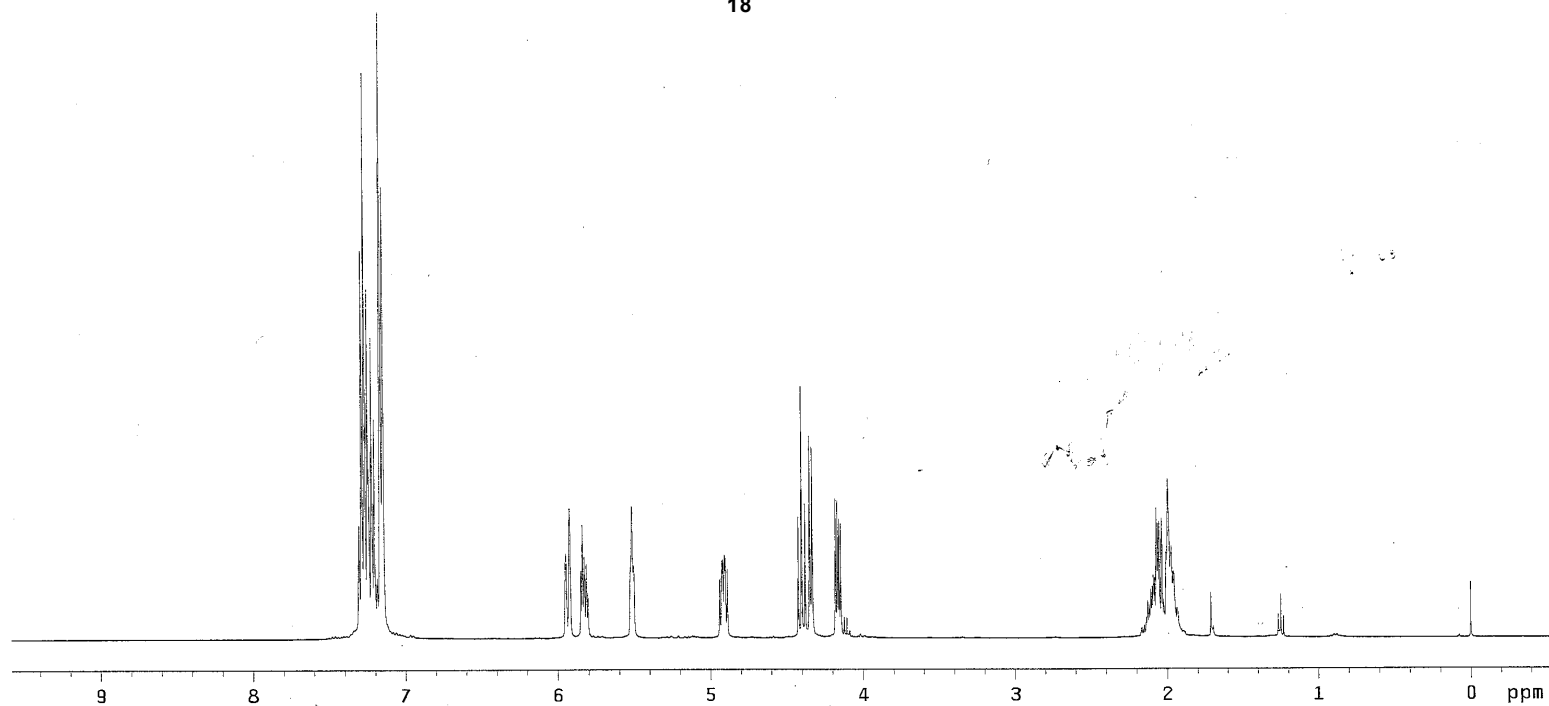
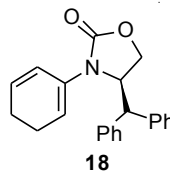
8 repetitions

OBSERVE H1, 399.7865286 MHz

DATA PROCESSING

FT size 65536

Total time 0 min, 57 sec



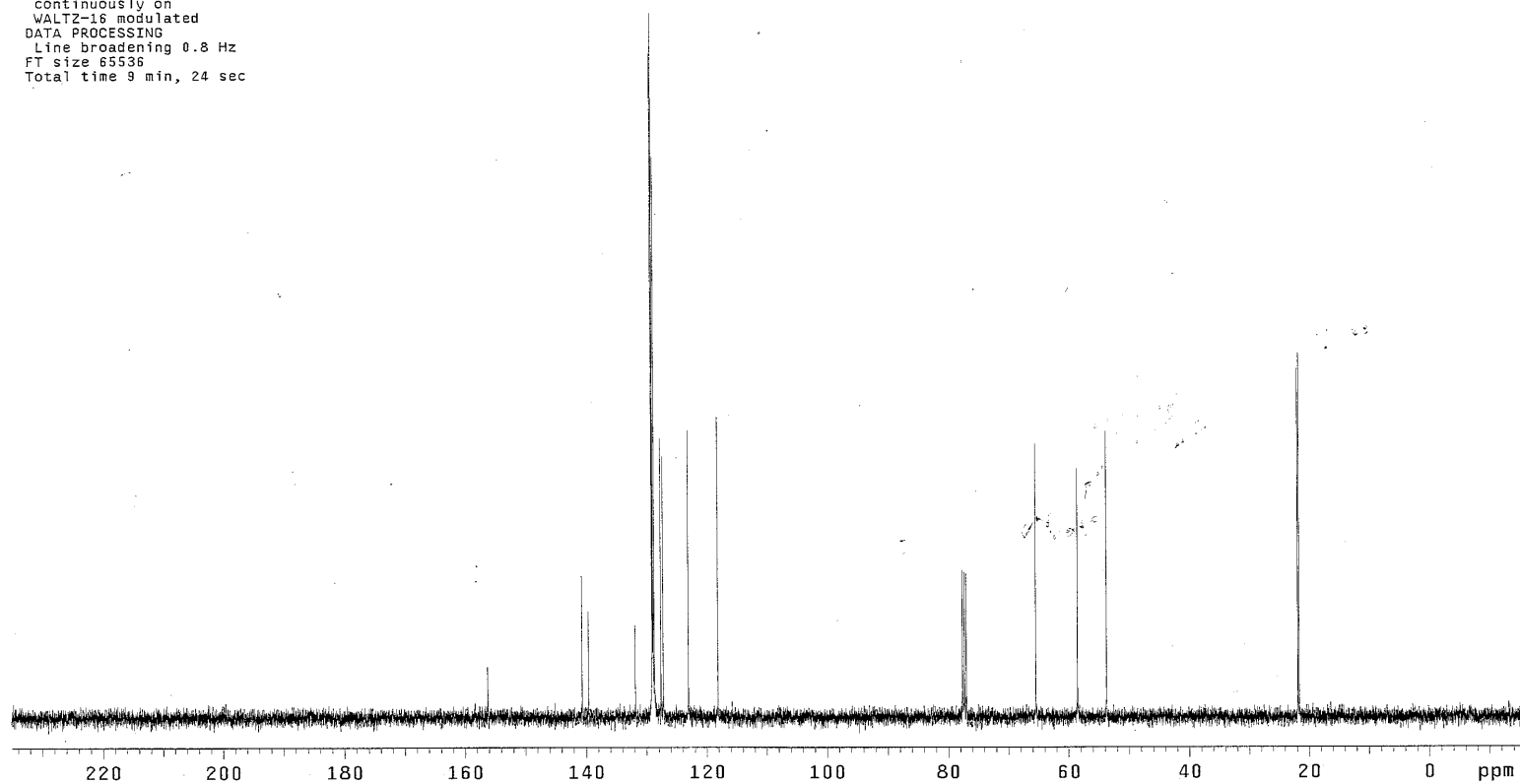
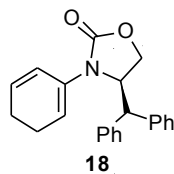
20130505-P104_06May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130505-P104_06May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
64 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 min, 24 sec



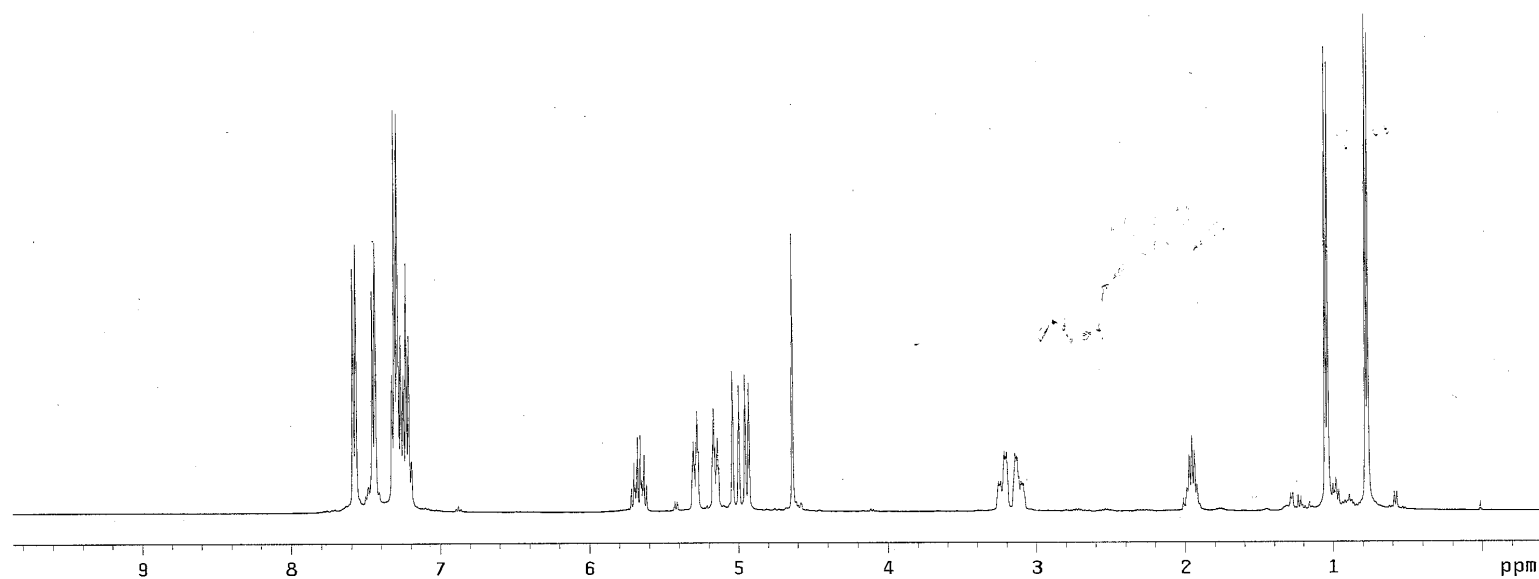
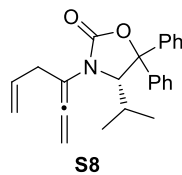
20130412-P58_12Apr2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130412-P58_12Apr2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865251 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec

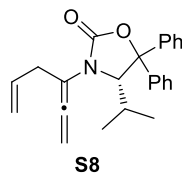


20130412-P58-C_12Apr2013

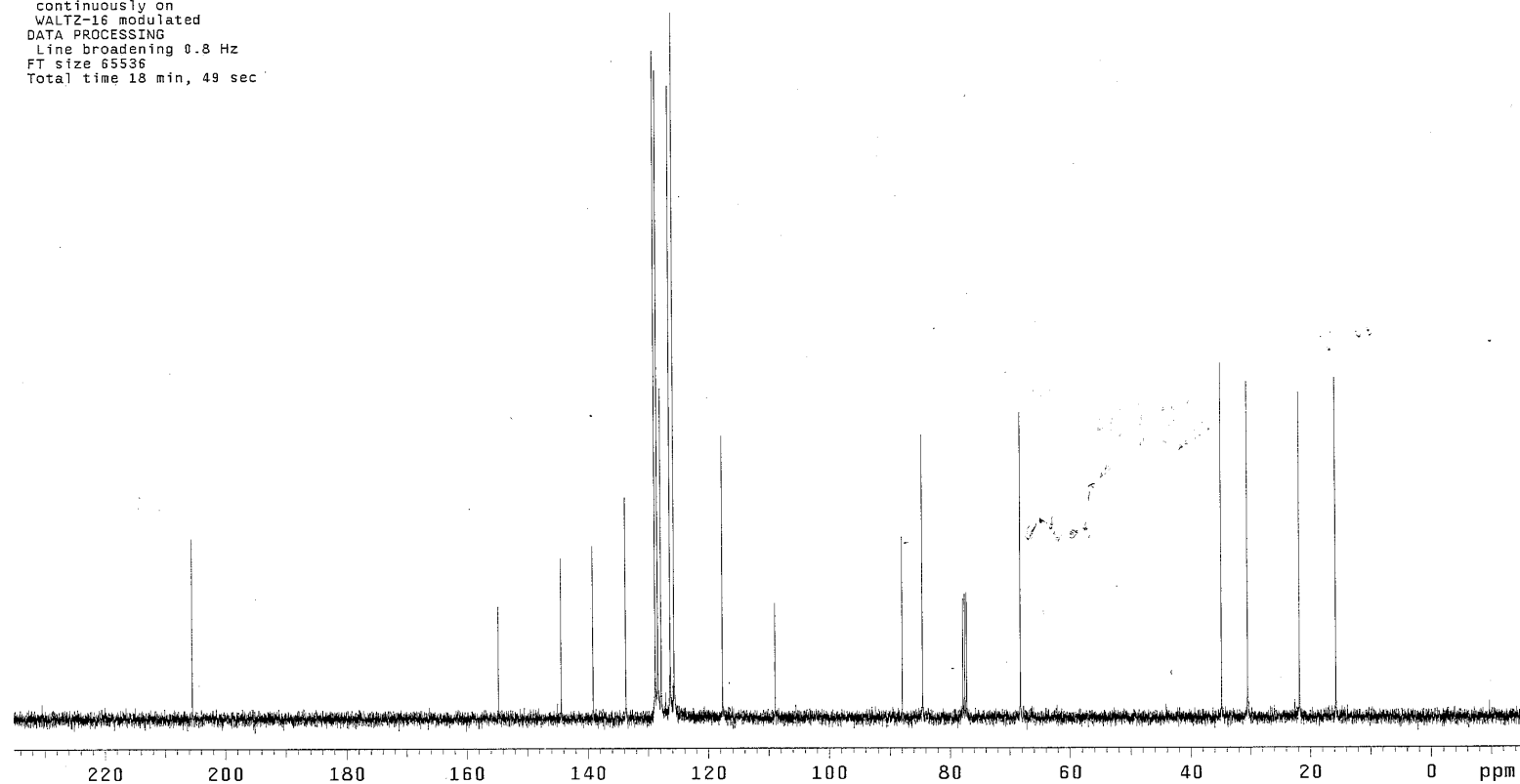
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Sample directory: 20130412-P58-C_12Apr2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"



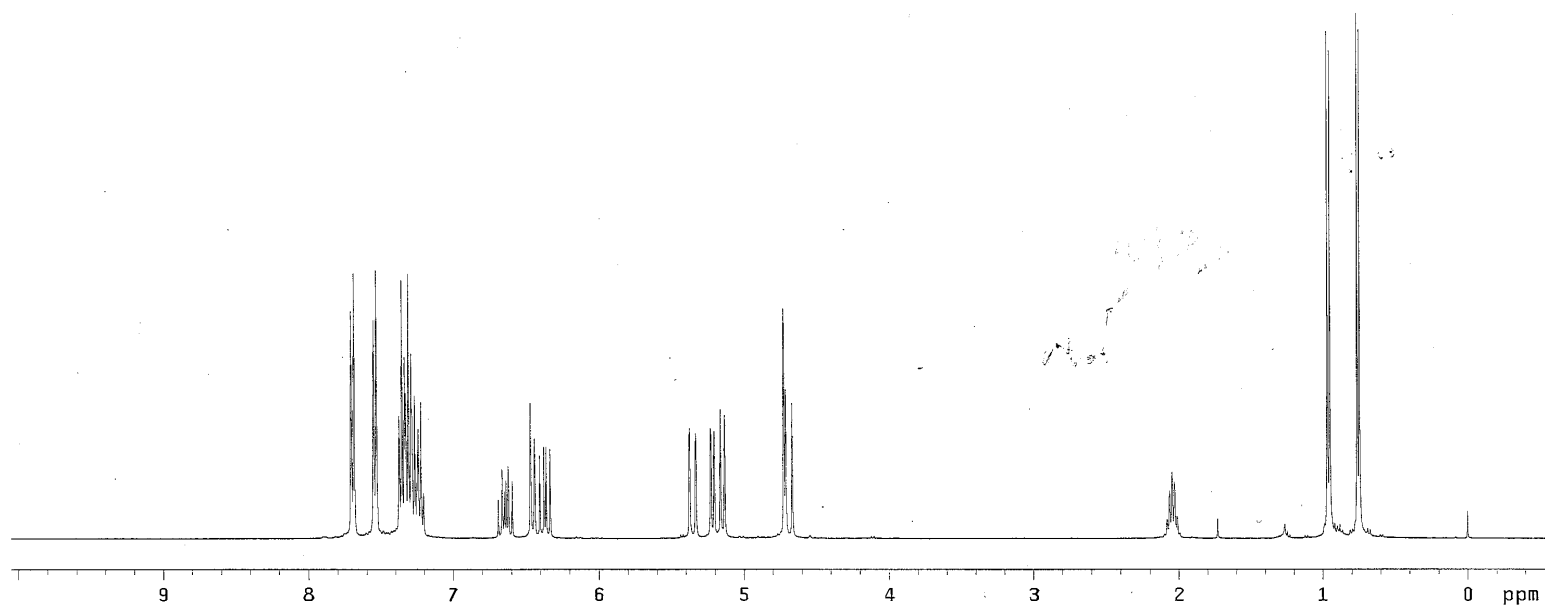
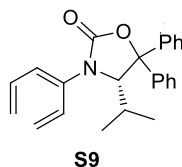
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
16 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 18 min, 49 sec



```
Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130329-P45_29Mar2013
```

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

```
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865272 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec
```

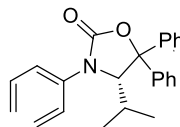


20130329-P45_29Mar2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130329-P45_29Mar2013

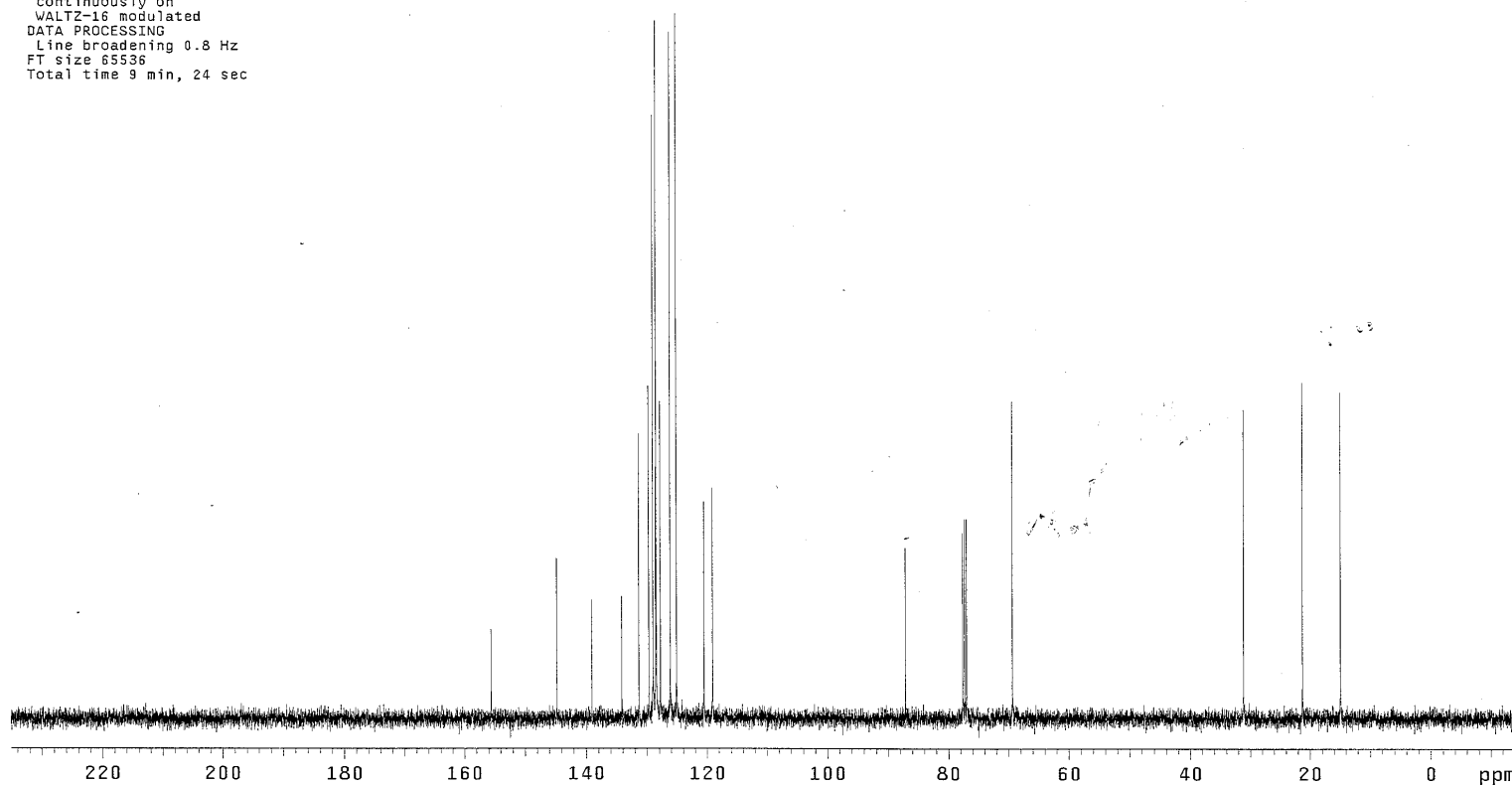
Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"



S9

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
48 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 min, 24 sec



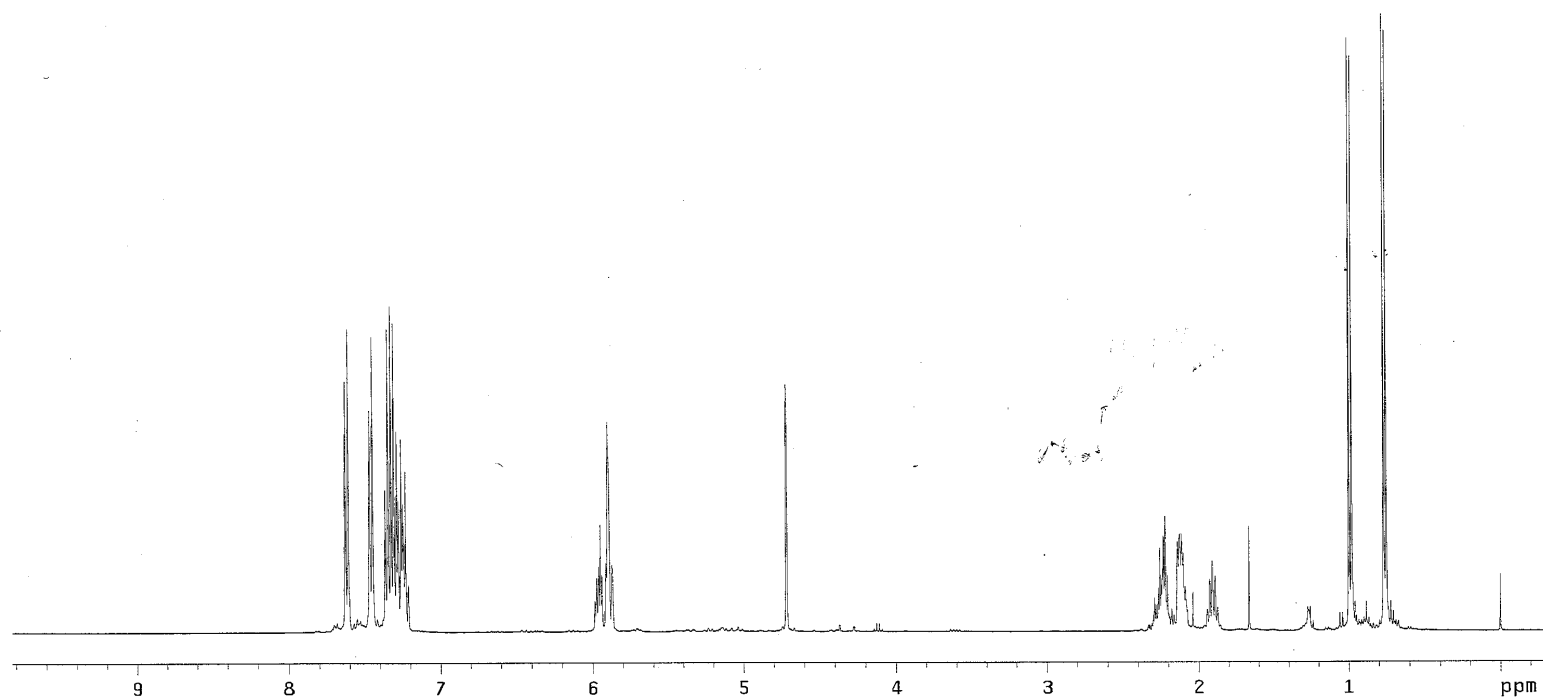
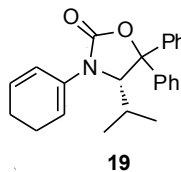
20130523-P137_24May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130523-P137_24May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865251 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



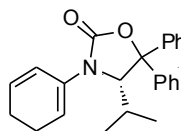
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Sample directory: 20130523-P137_24May2013

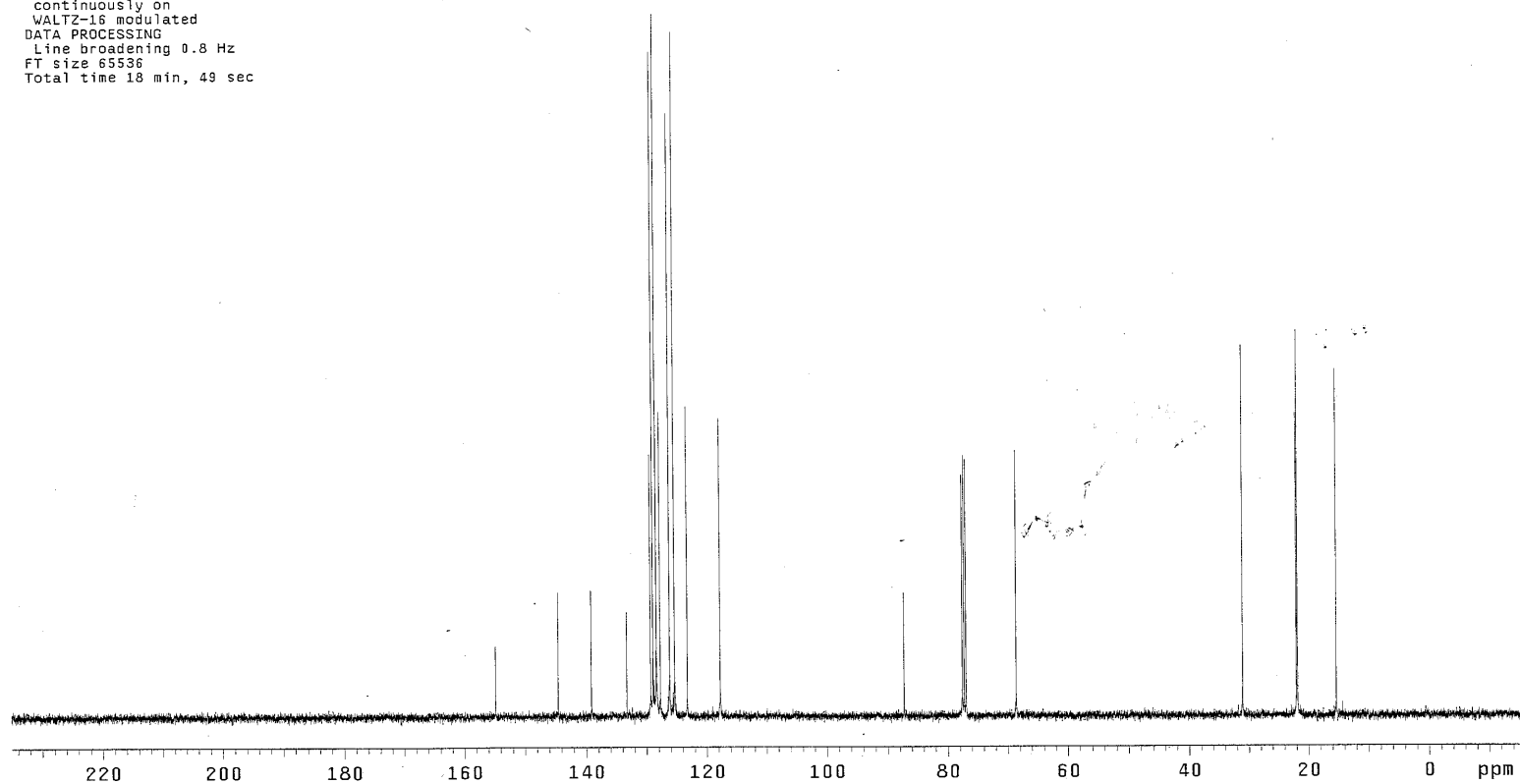
Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.157 sec
Width 25157.2 Hz
512 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 18 min, 49 sec



19



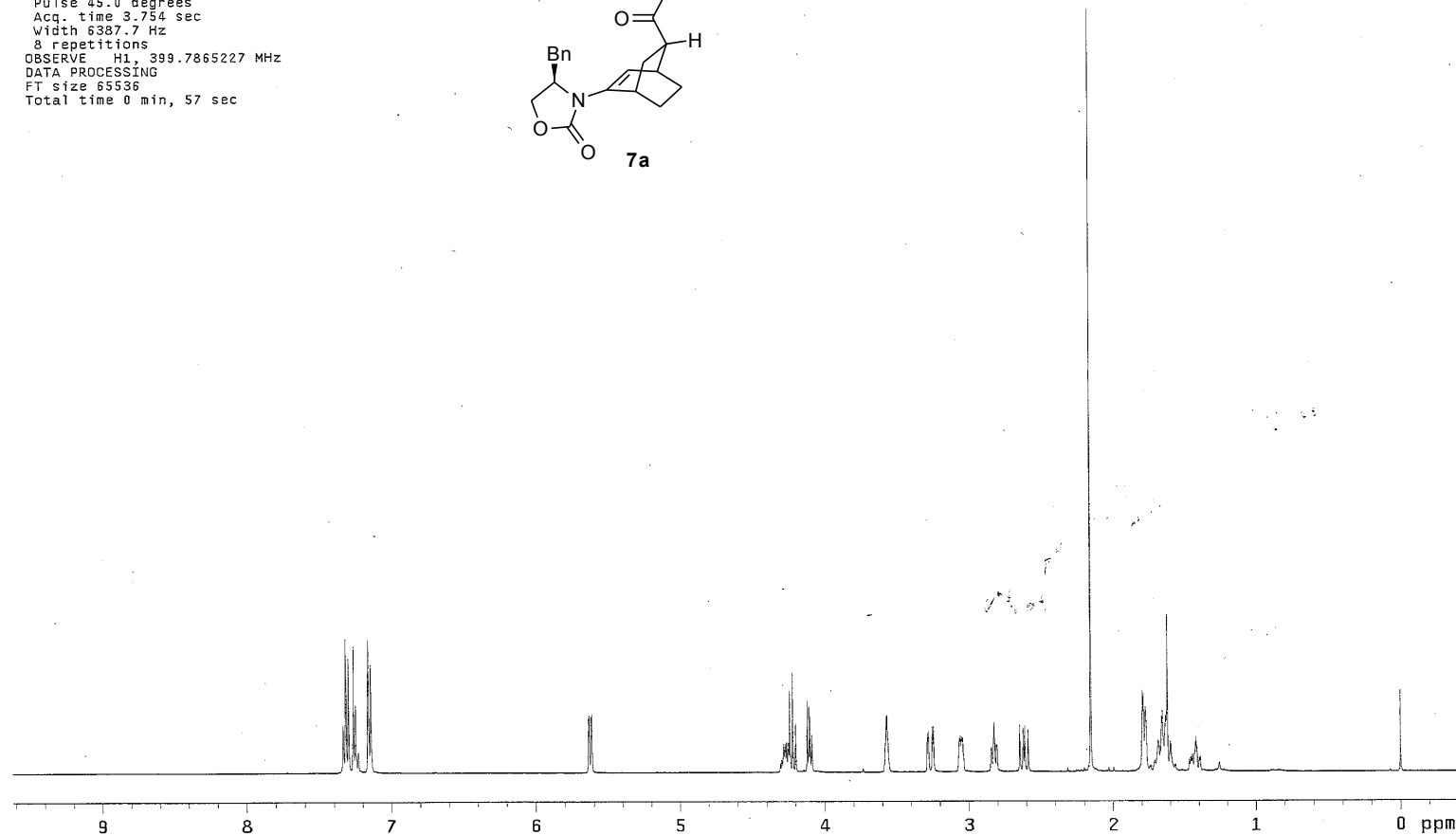
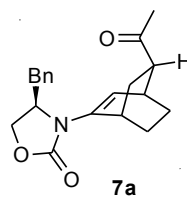
1129-P135-1_30Nov2012

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 1129-P135-1_30Nov2012

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865227 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



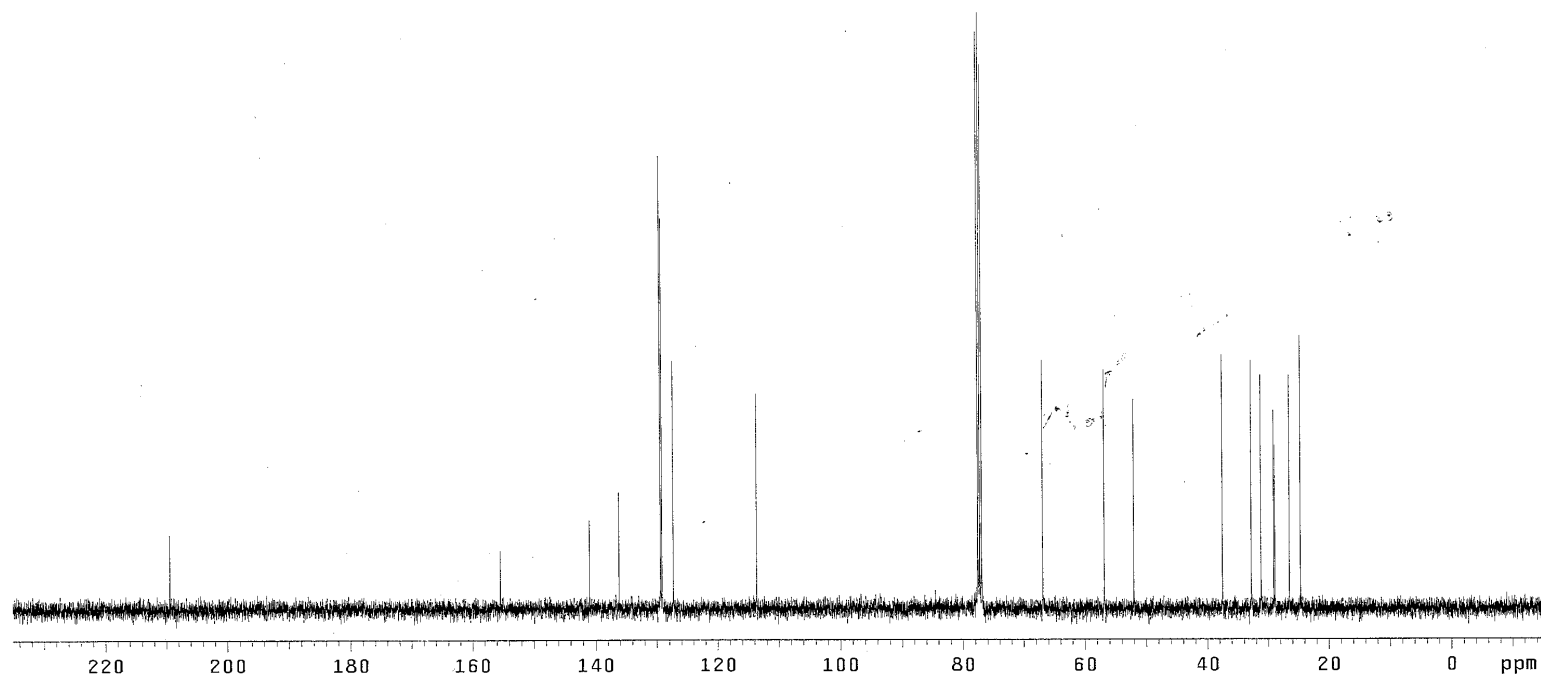
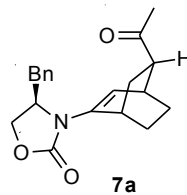
1129-P135-1-M_30Nov2012

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 1129-P135-1-M_30Nov2012

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
512 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
VALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 18 min, 49 sec



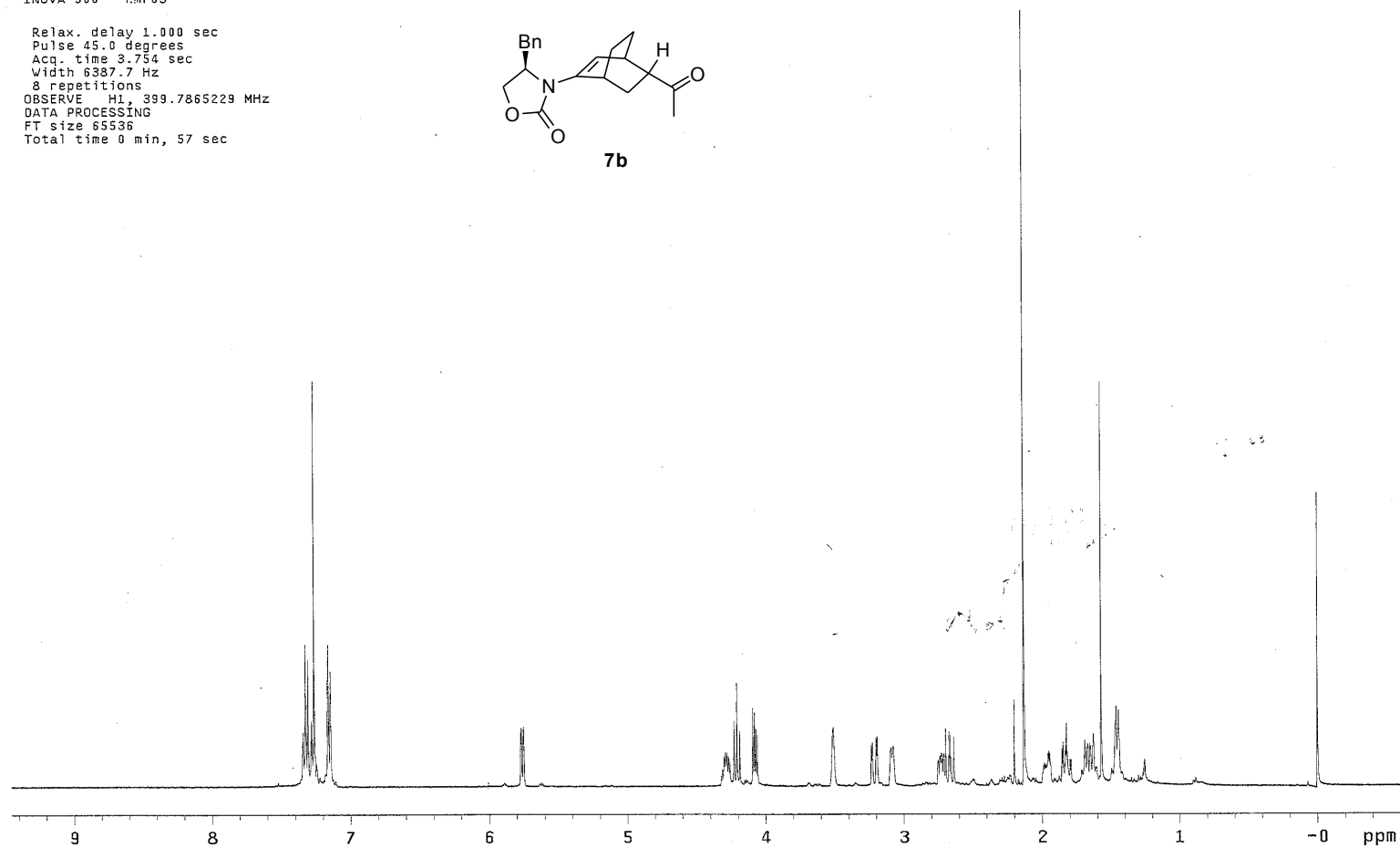
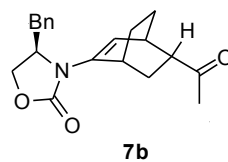
1205-P143-2_06Dec2012

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 1205-P143-2_06Dec2012

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865229 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



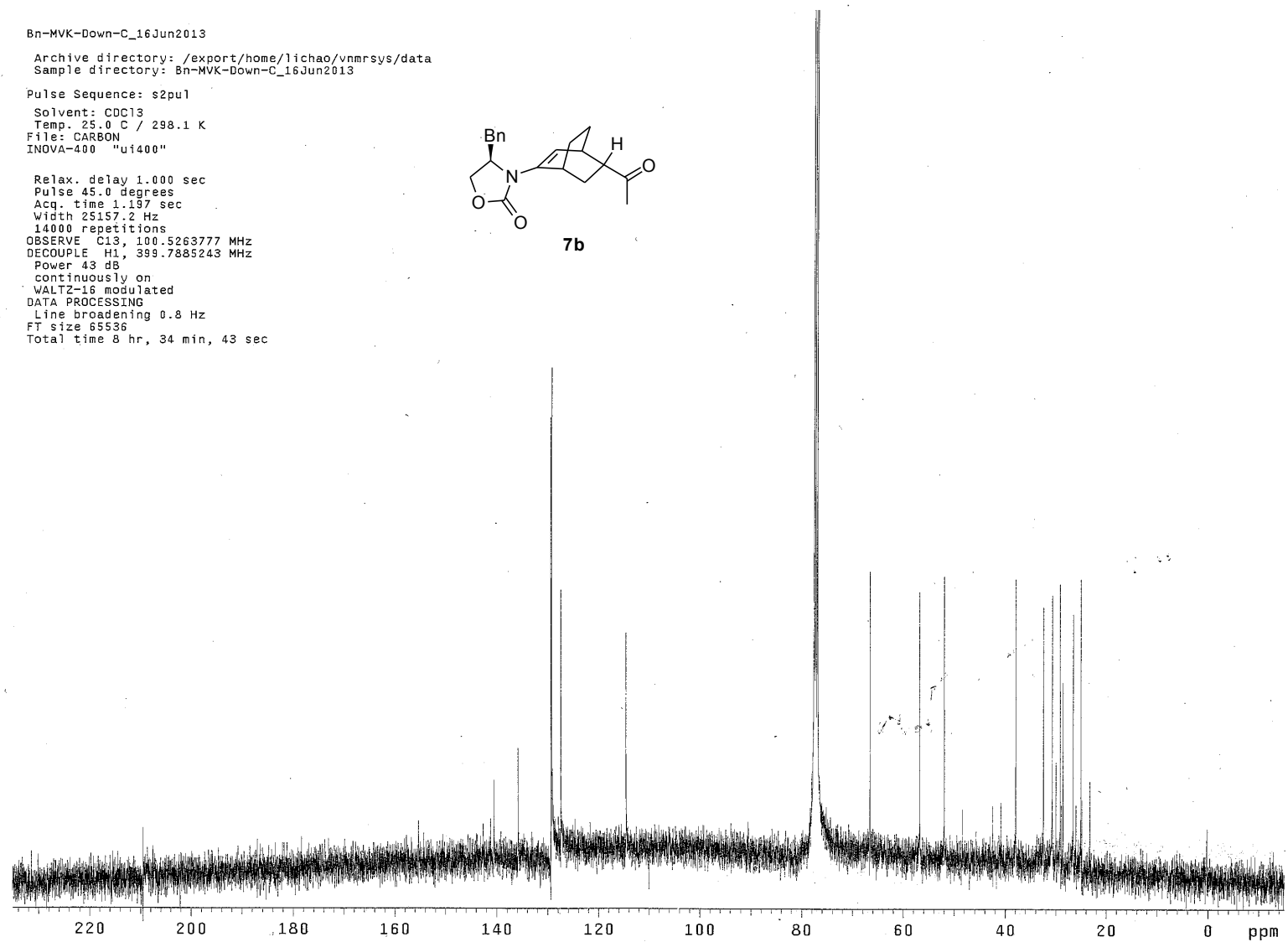
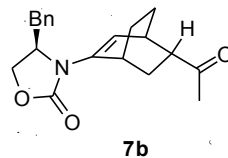
Bn-MVK-Down-C_16Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-MVK-Down-C_16Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-400 "u1400"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
14000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
VALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 8 hr, 34 min, 43 sec



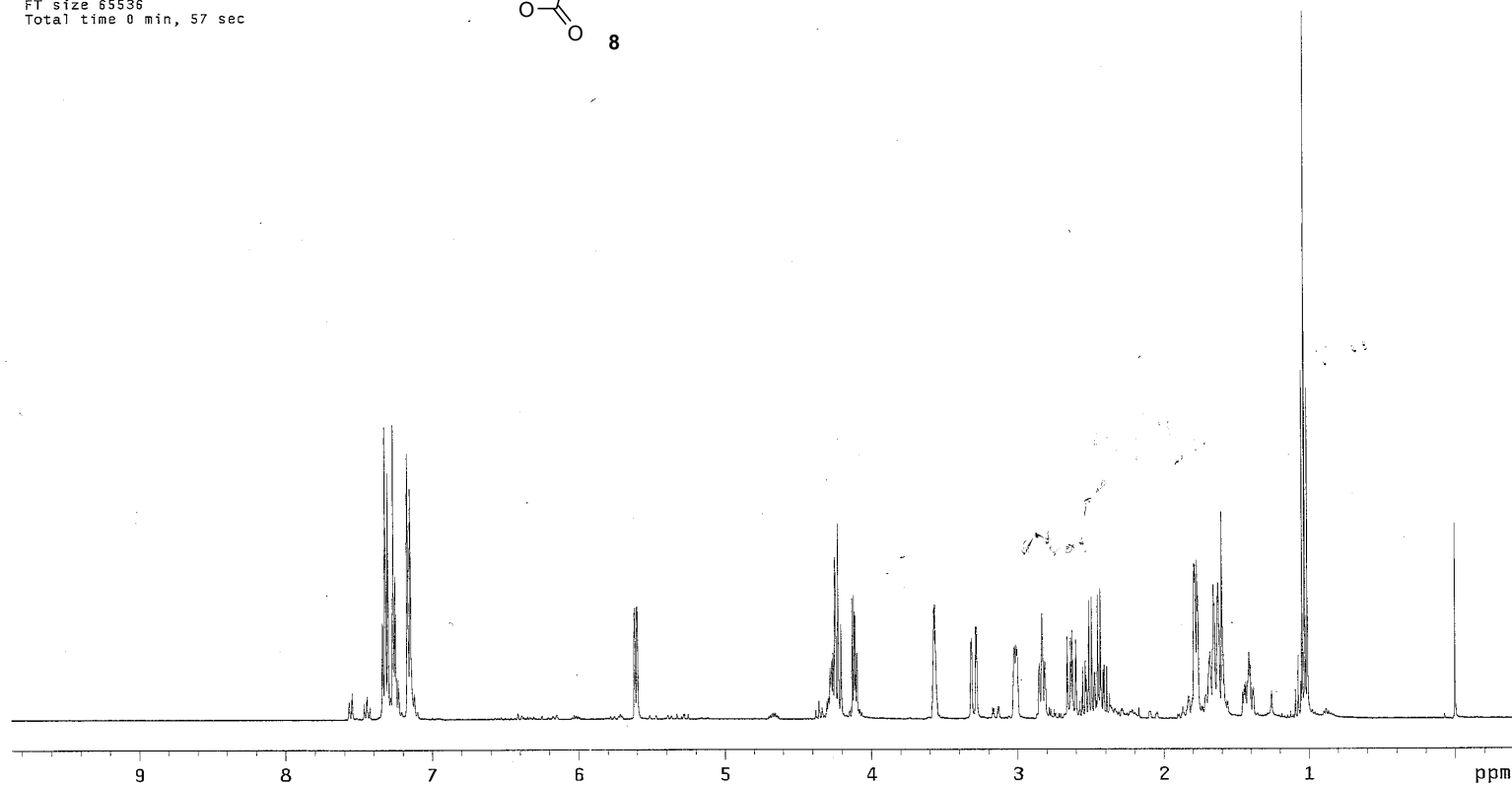
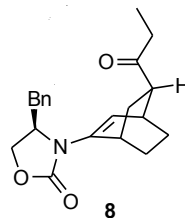
20130227-P3-4AMS_28Feb2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130227-P3-4AMS_28Feb2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865229 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



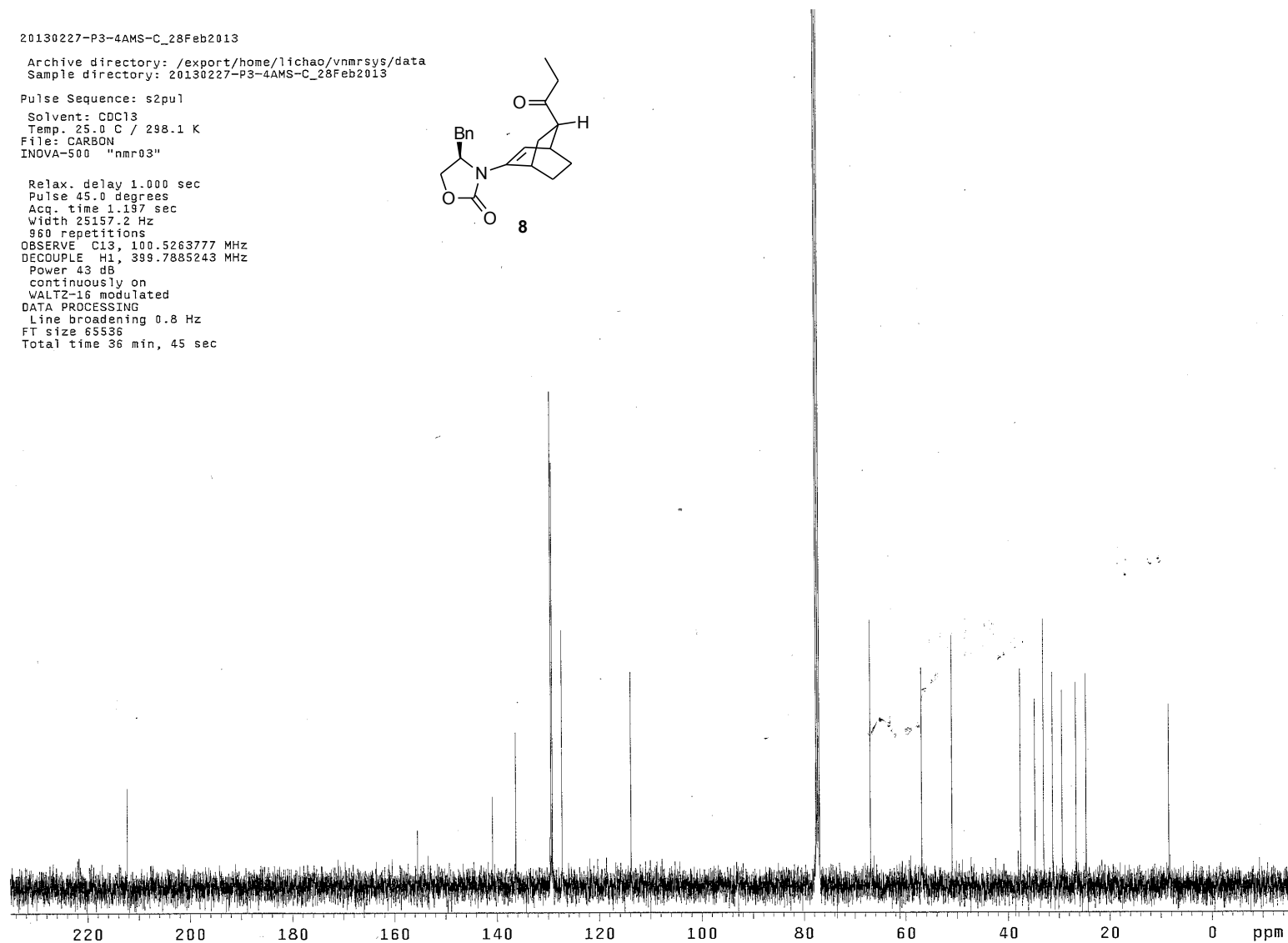
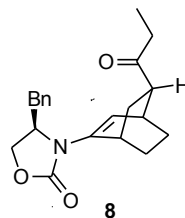
20130227-P3-4AMS-C_28Feb2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130227-P3-4AMS-C_28Feb2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.137 sec
Width 25157.2 Hz
960 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
VALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 36 min, 45 sec



Bn-PhH-UP_25May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-PhH-UP_25May2013

Pulse Sequence: s2pu1

Solvent: CDCl3

Temp. 25.0 C / 298.1 K

File: PROTON

INOVA-500 "nmr03"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 3.747 sec

Width 8000.0 Hz

8 repetitions

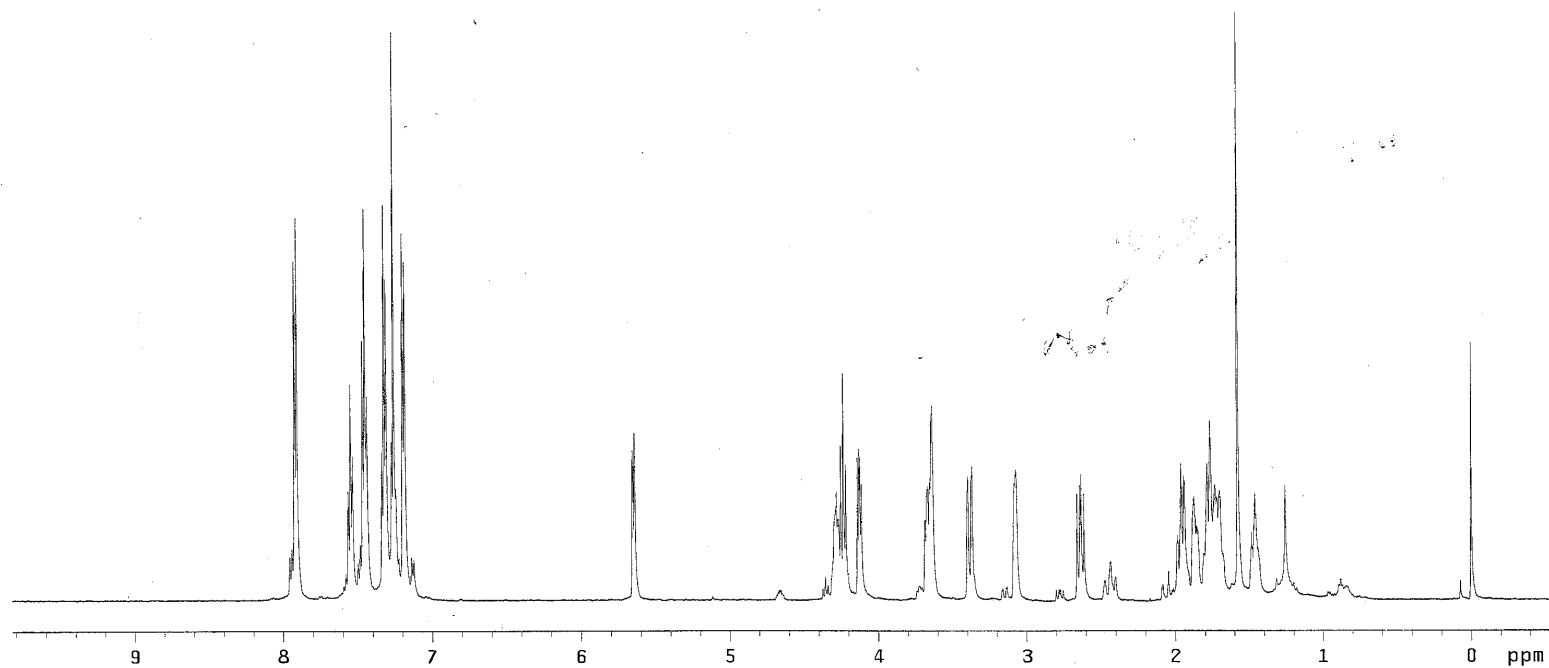
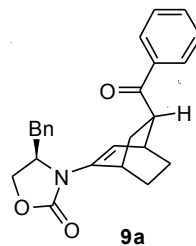
OBSERVE H1, 499.7288161 MHz

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 0 min, 38 sec



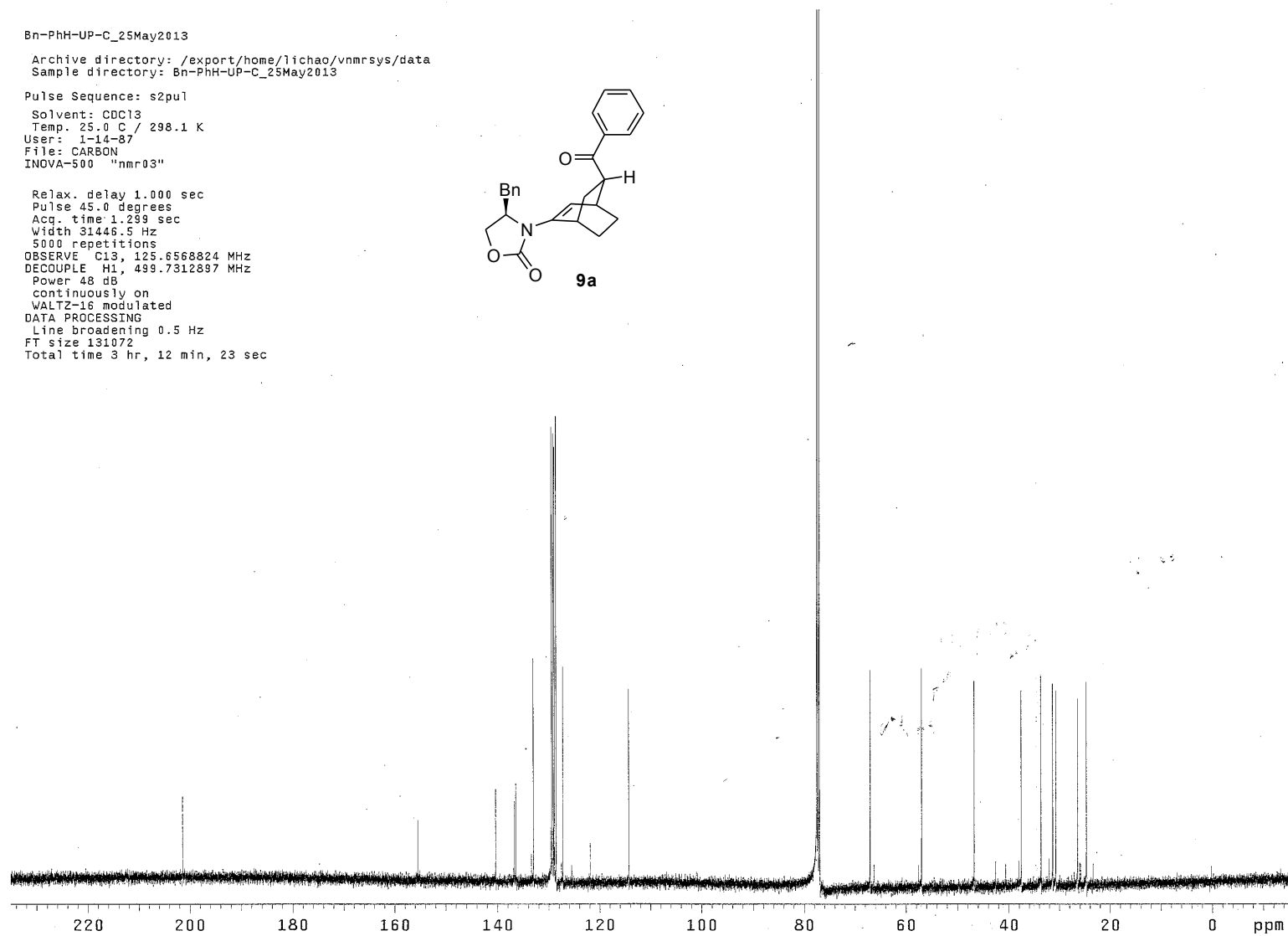
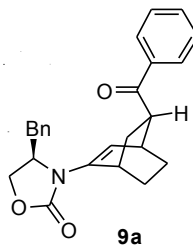
Bn-PhH-UP-C_25May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-PhH-UP-C_25May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
5000 repetitions
OBSERVE C13, 125.6568824 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 3 hr, 12 min, 23 sec



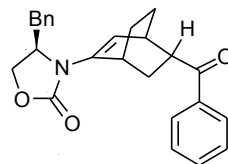
Bn-PhH-down_25May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-PhH-down_25May2013

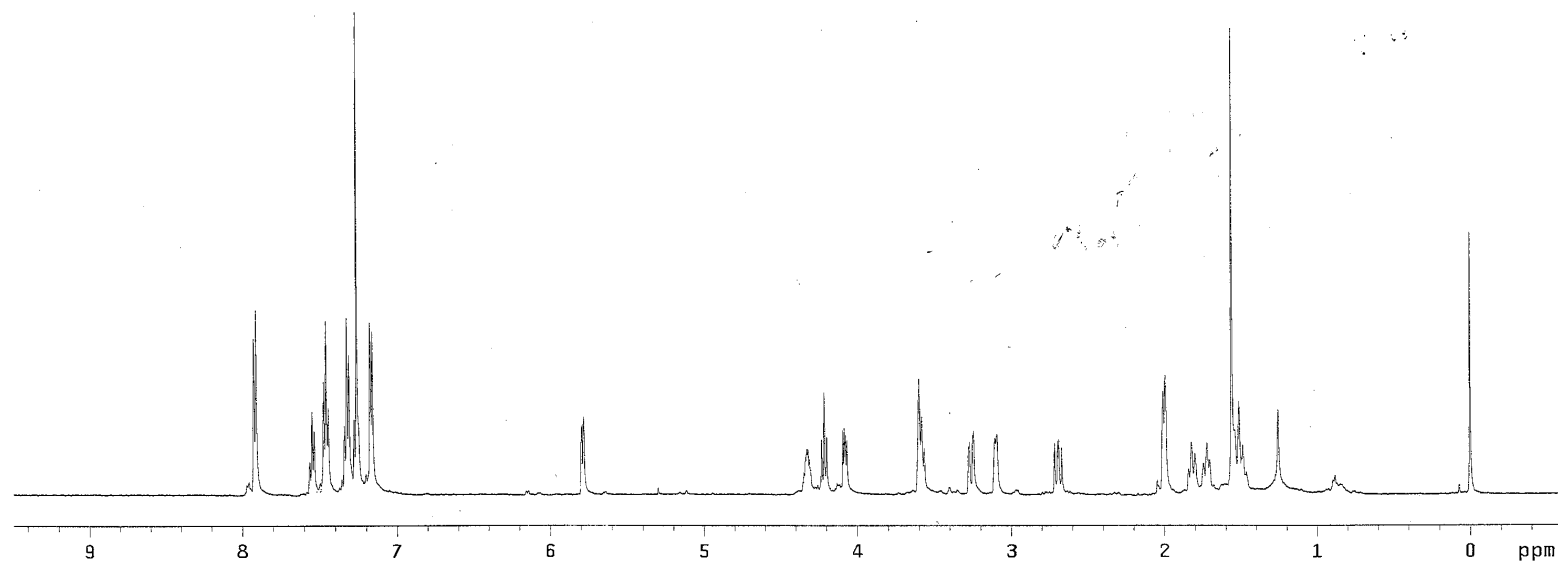
Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288146 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec



9b



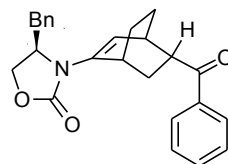
Bn-PhH-Down-C_26May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-PhH-Down-C_26May2013
File: CARBON

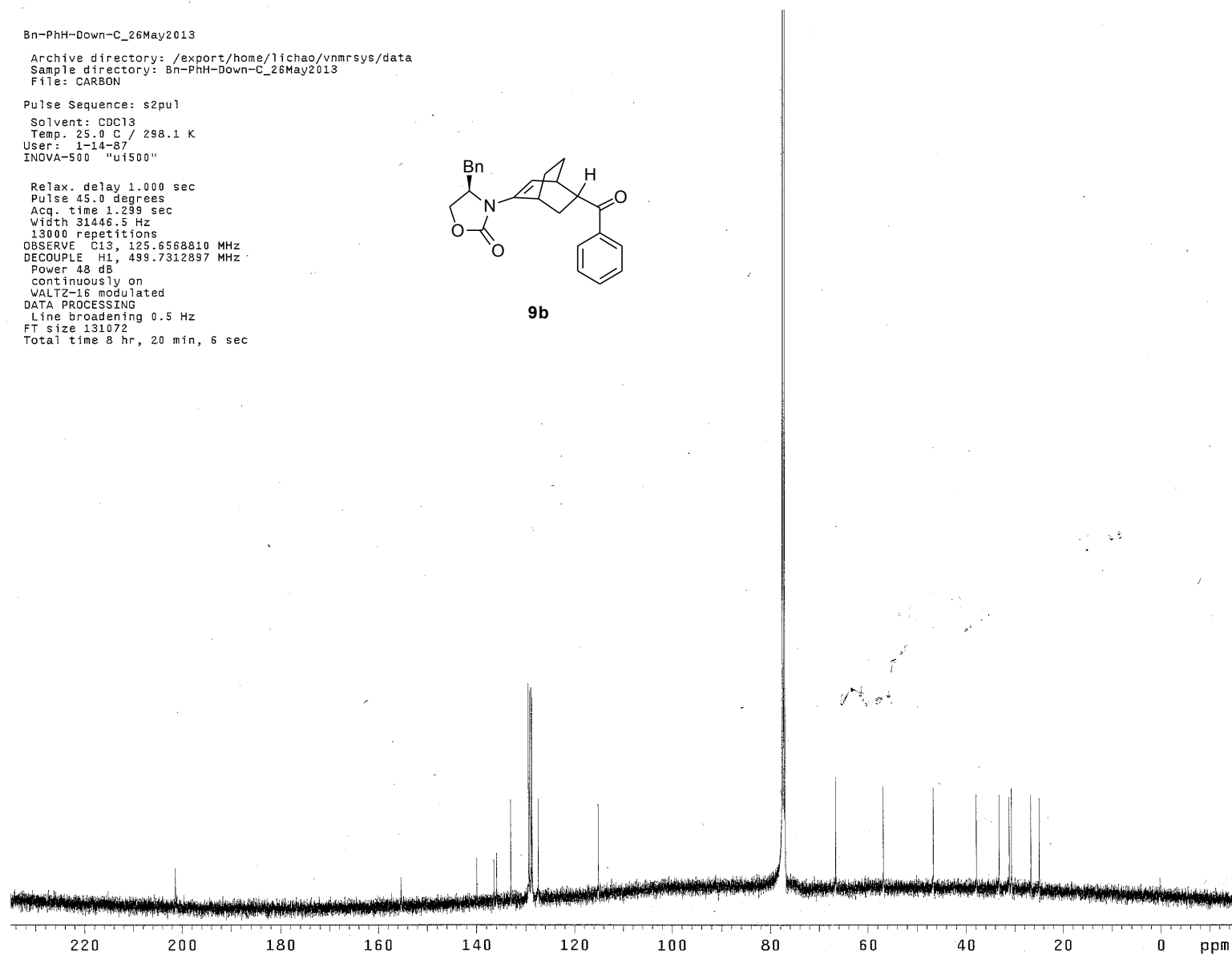
Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "ui500"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
13000 repetitions
OBSERVE C13, 125.6568810 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 8 hr, 20 min, 6 sec



9b



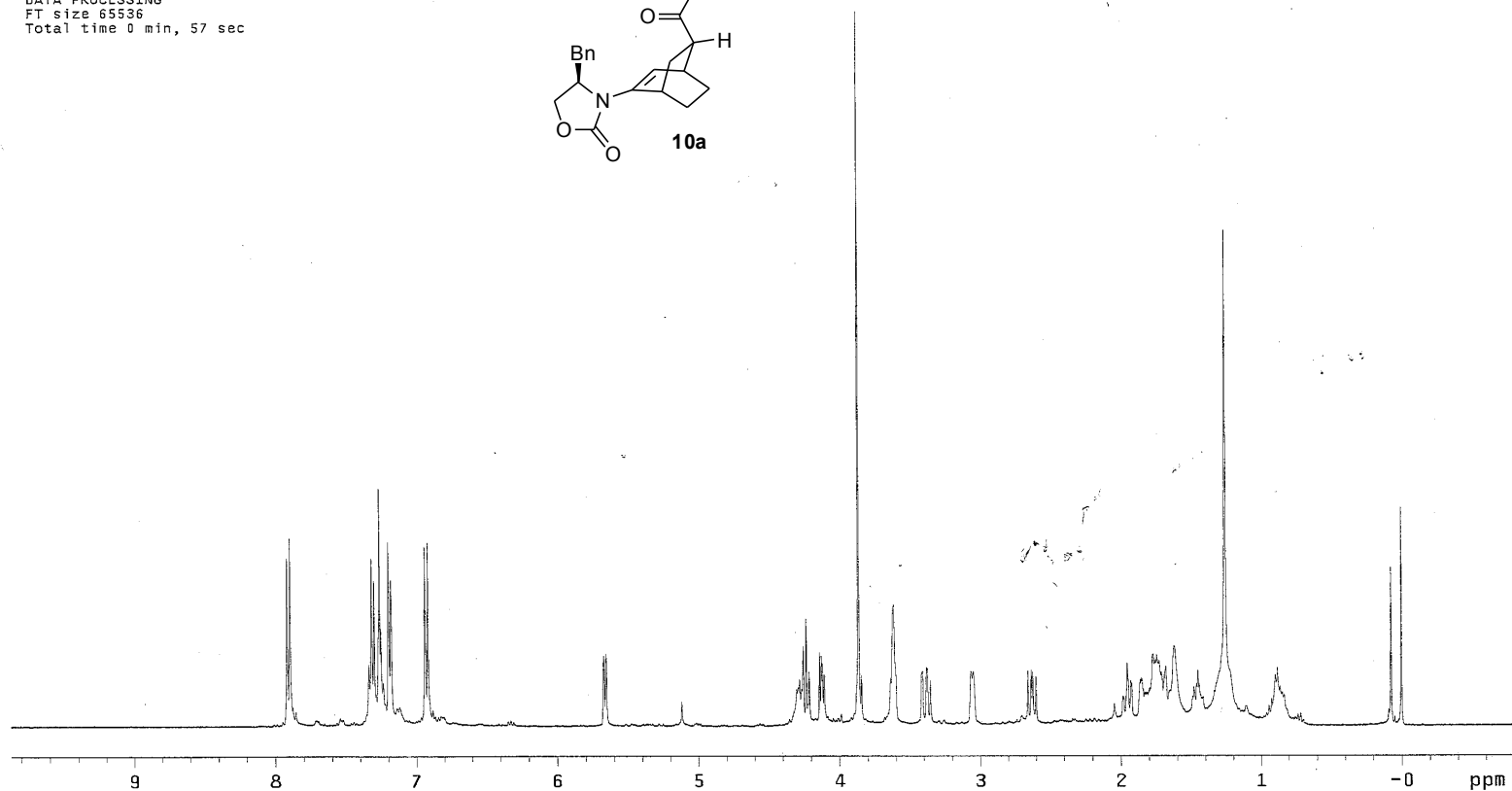
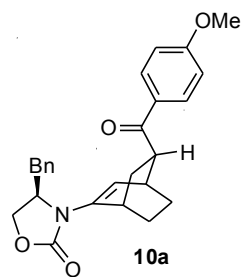
Bn-OCH3-UP_09Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-OCH3-UP_09Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865231 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



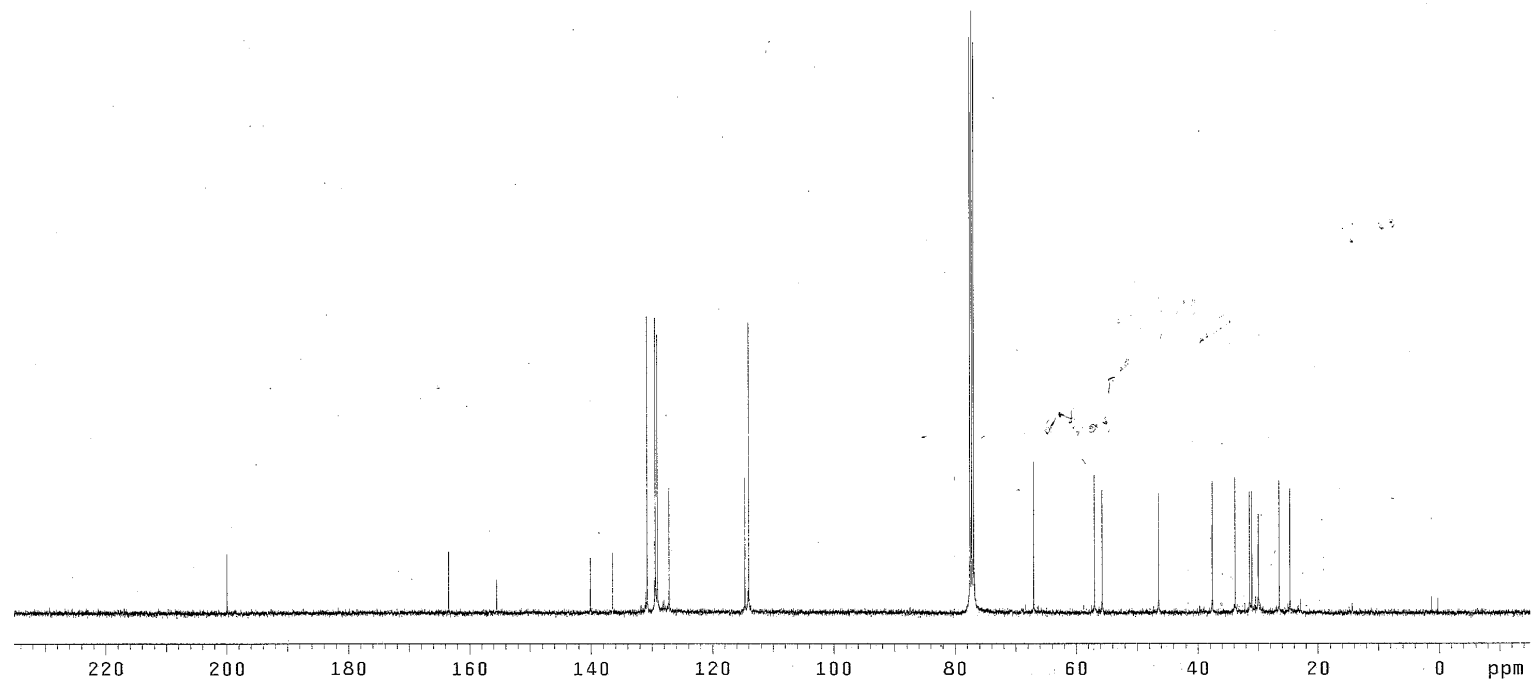
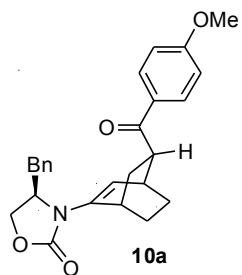
Bn-OCH3-UP-C_09Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-OCH3-UP-C_09Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
12000 repetitions
OBSERVE C13, 100.5263791 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
VALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 7 hr, 21 min, 11 sec



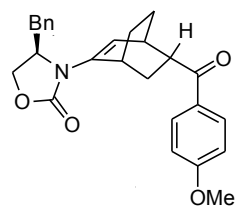
20130603-P155-2_03Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130603-P155-2_03Jun2013

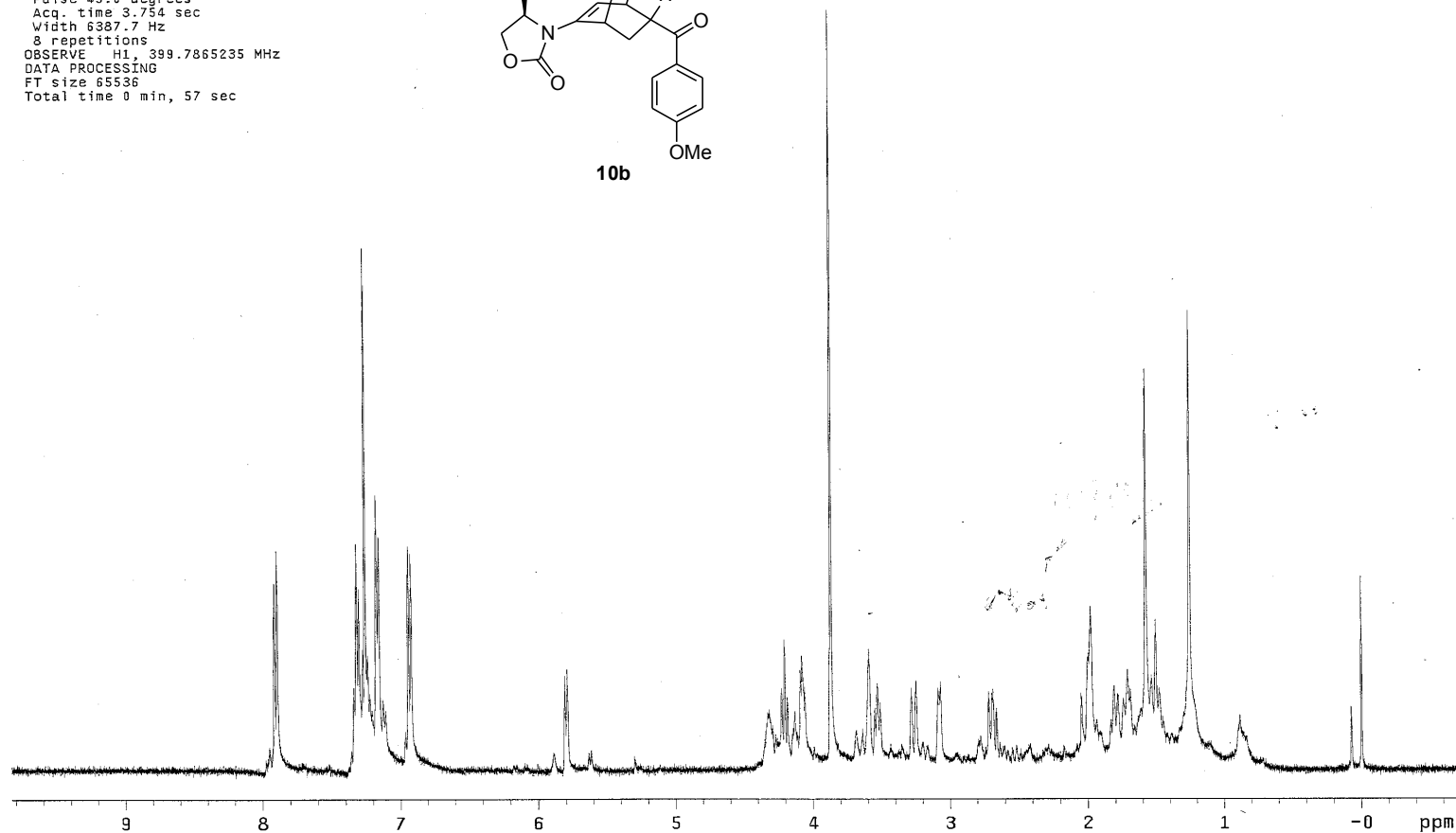
Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INQVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865235 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



10b



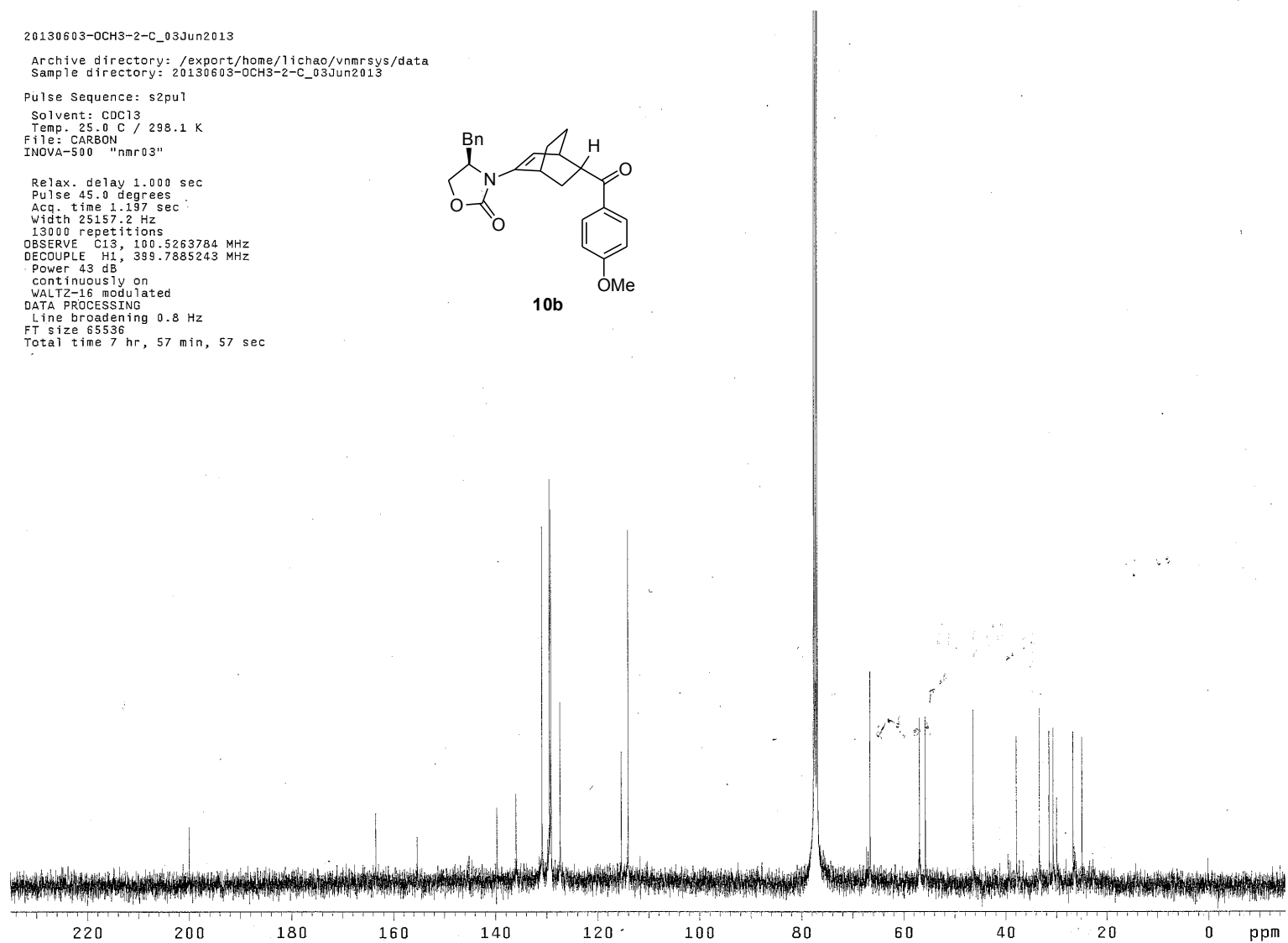
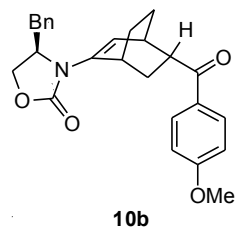
20130603-OCH3-2-C_03Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130603-OCH3-2-C_03Jun2013

Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

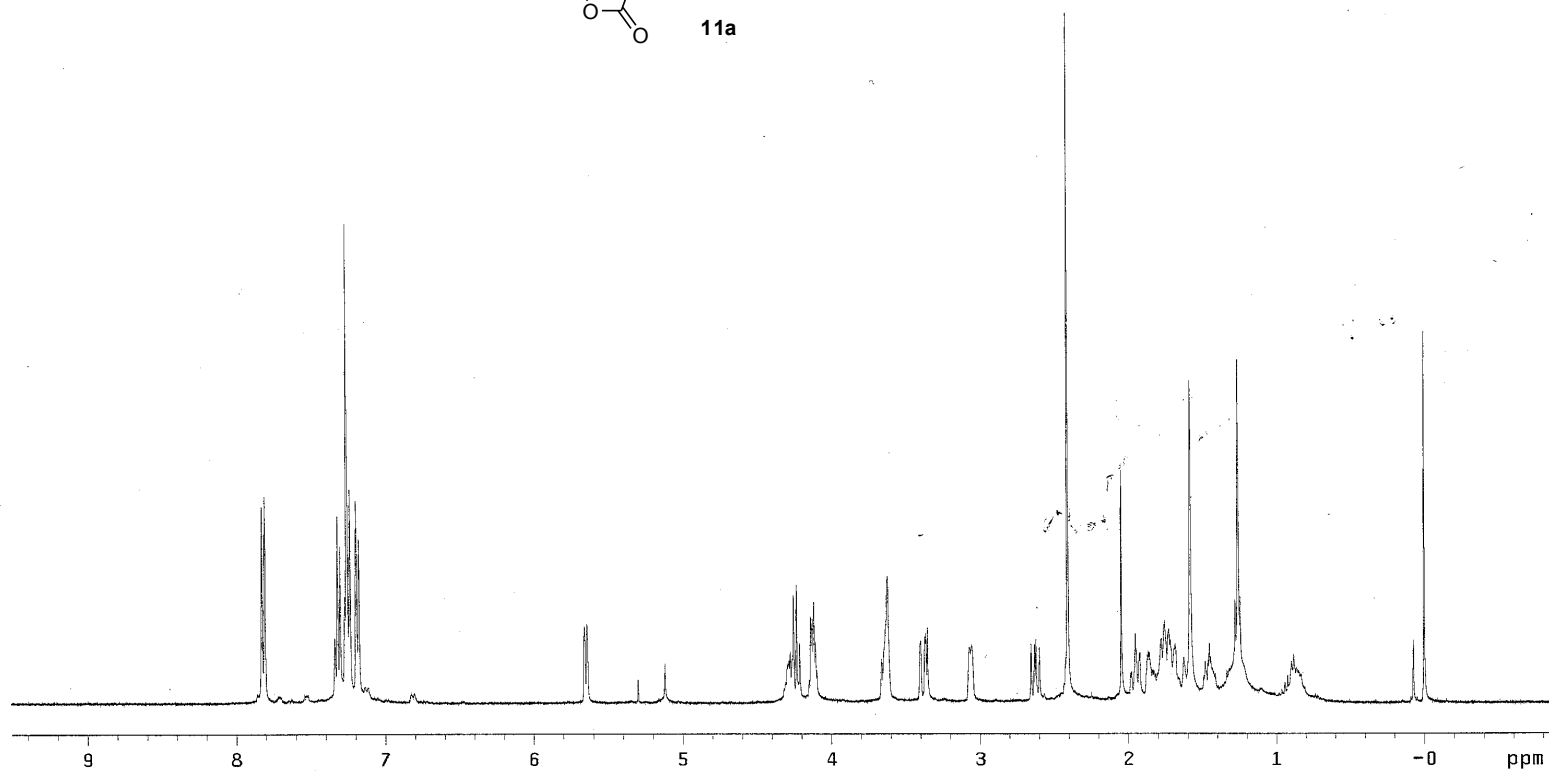
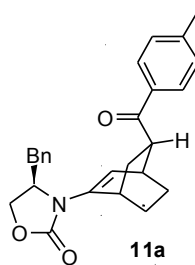
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
13000 repetitions
OBSERVE C13, 100.5263784 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 7 hr, 57 min, 57 sec



```
Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-PhMe-UP_10Jun2013
```

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

```
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865235 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec
```



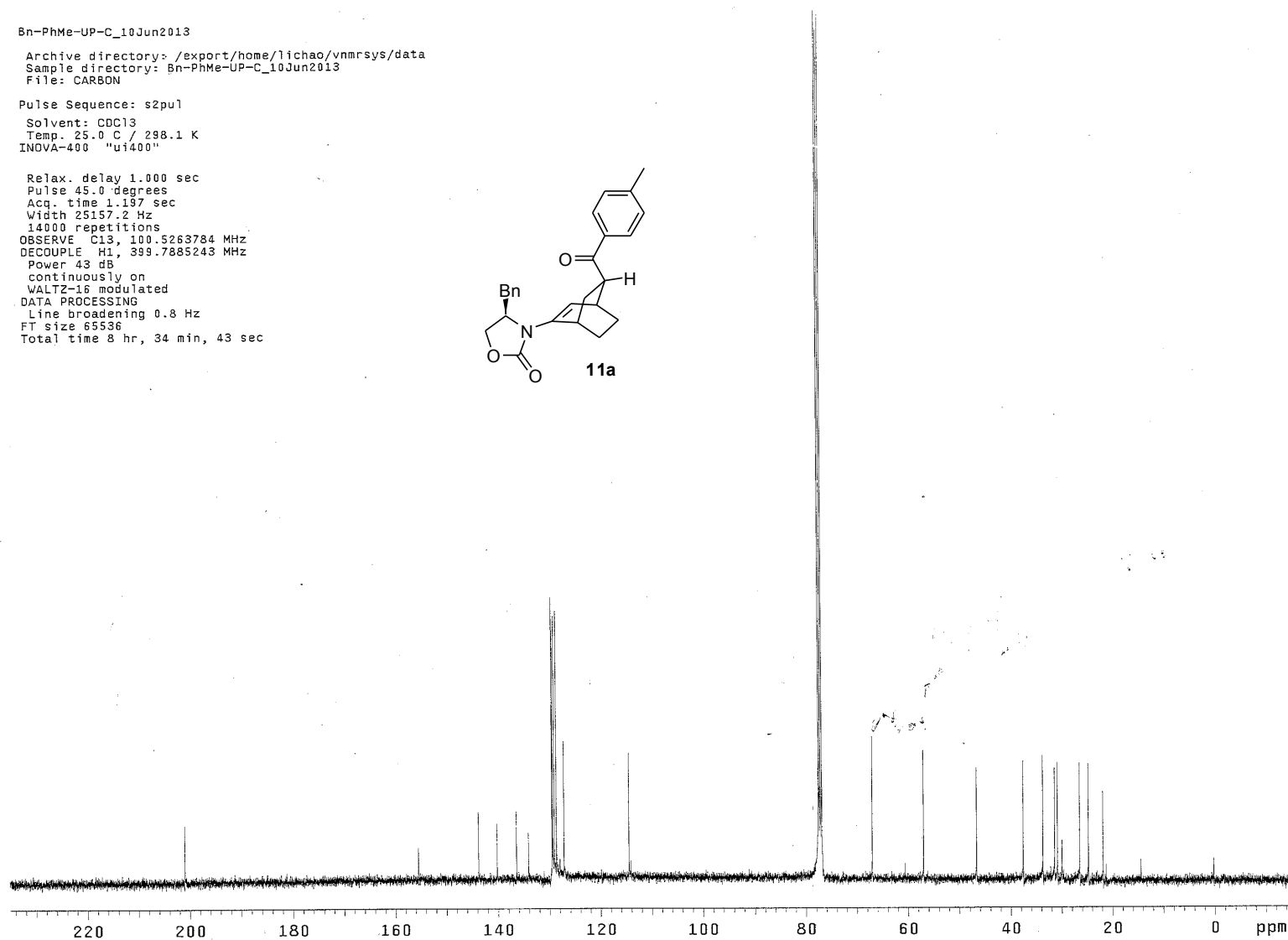
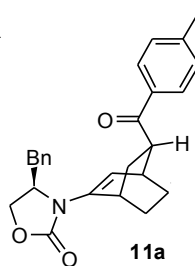
Bn-PhMe-UP-C_10Jun2013

Archive directory> /export/home/lichao/vnmrsys/data
Sample directory: Bn-PhMe-UP-C_10Jun2013
File: CARBON

Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
INOVA-400 "ui400"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
14000 repetitions
OBSERVE C13, 100.5263784 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 8 hr, 34 min, 43 sec



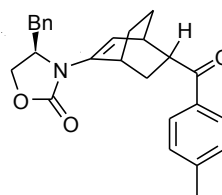
20130606-P161-2_07Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130606-P161-2_07Jun2013

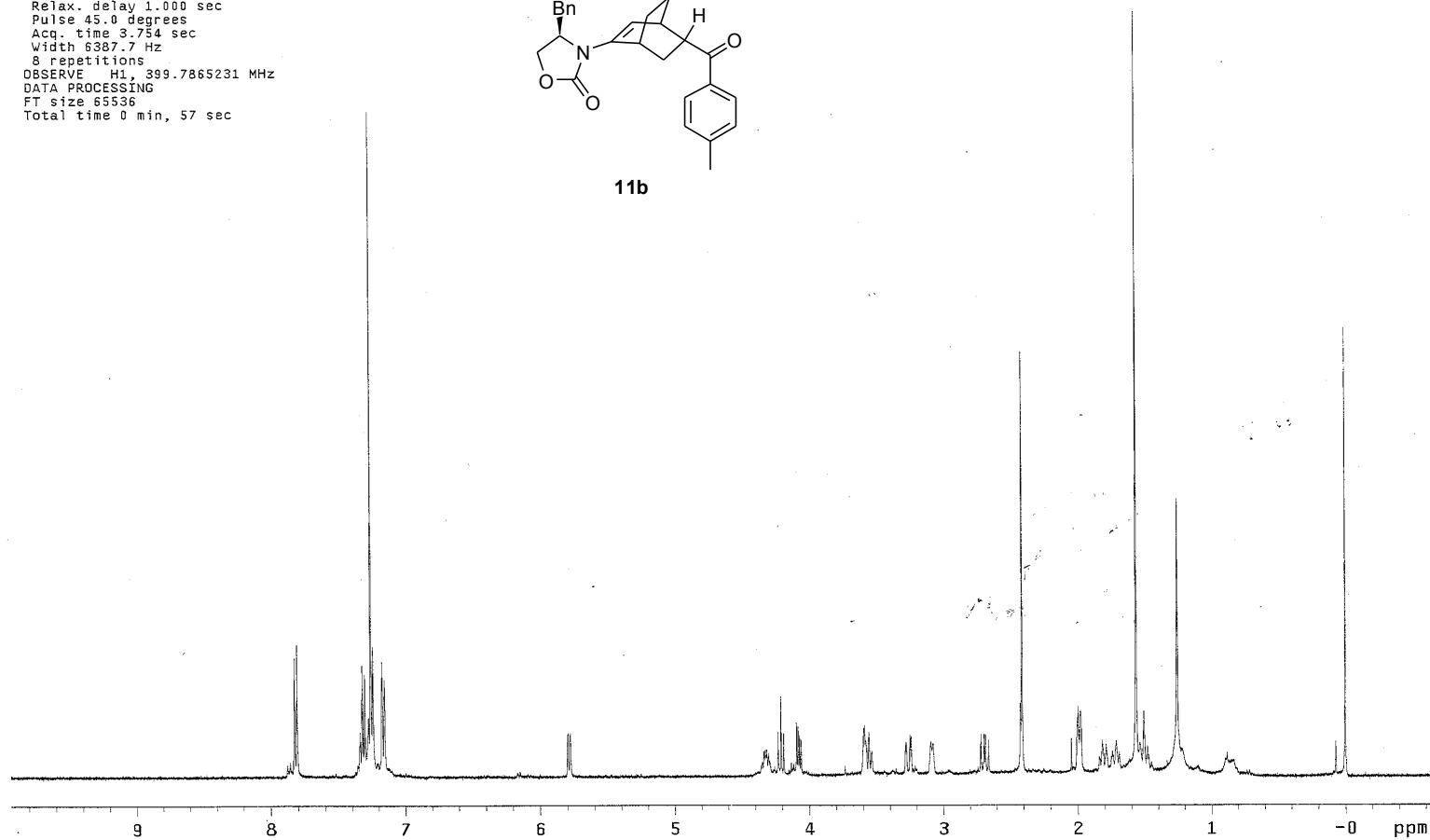
Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865231 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



11b



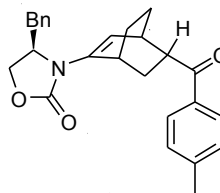
20130606-P161-2-C_07Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130606-P161-2-C_07Jun2013
File: CARBON

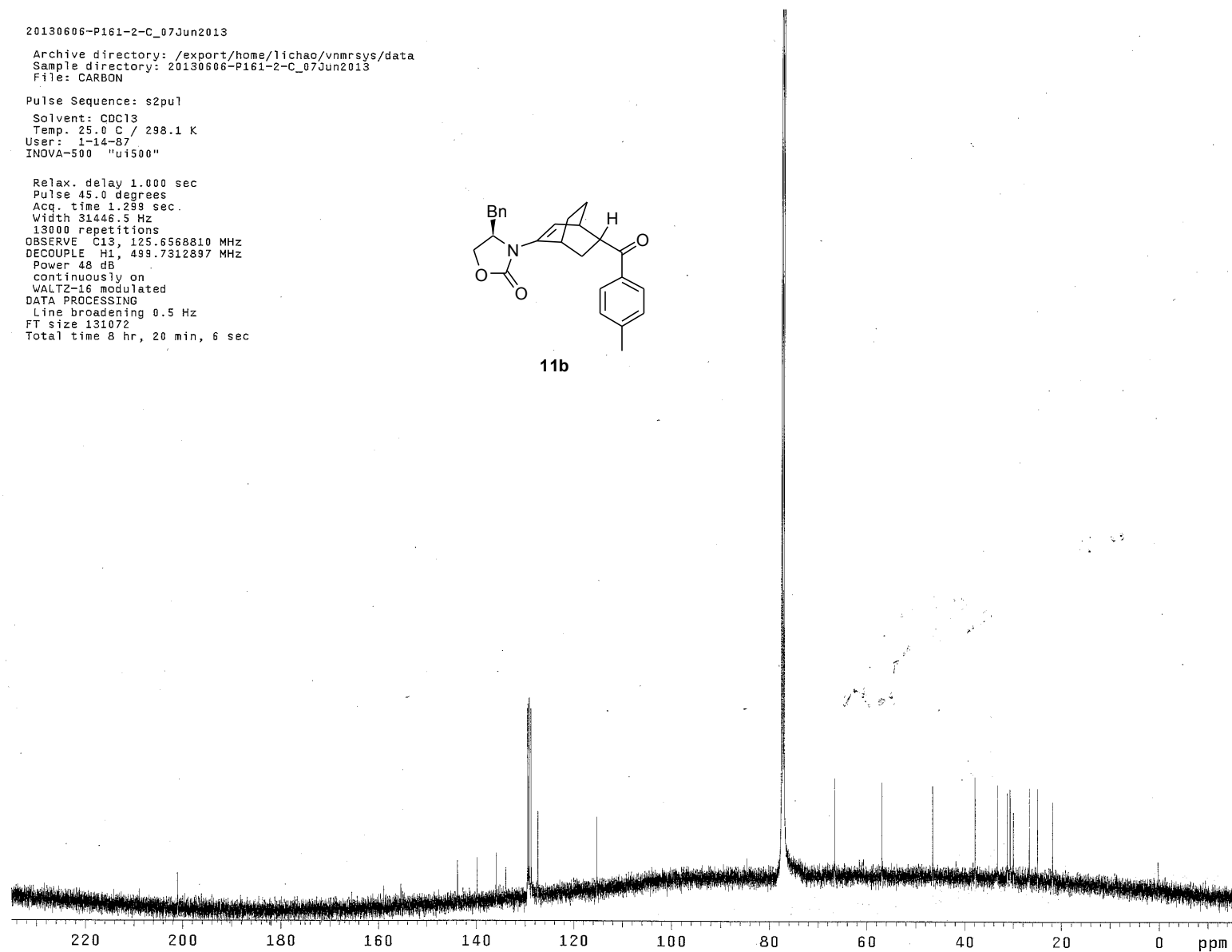
Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "u1500"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.293 sec.
Width 31446.5 Hz
13000 repetitions
OBSERVE C13, 125.6568810 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 8 hr, 20 min, 6 sec



11b



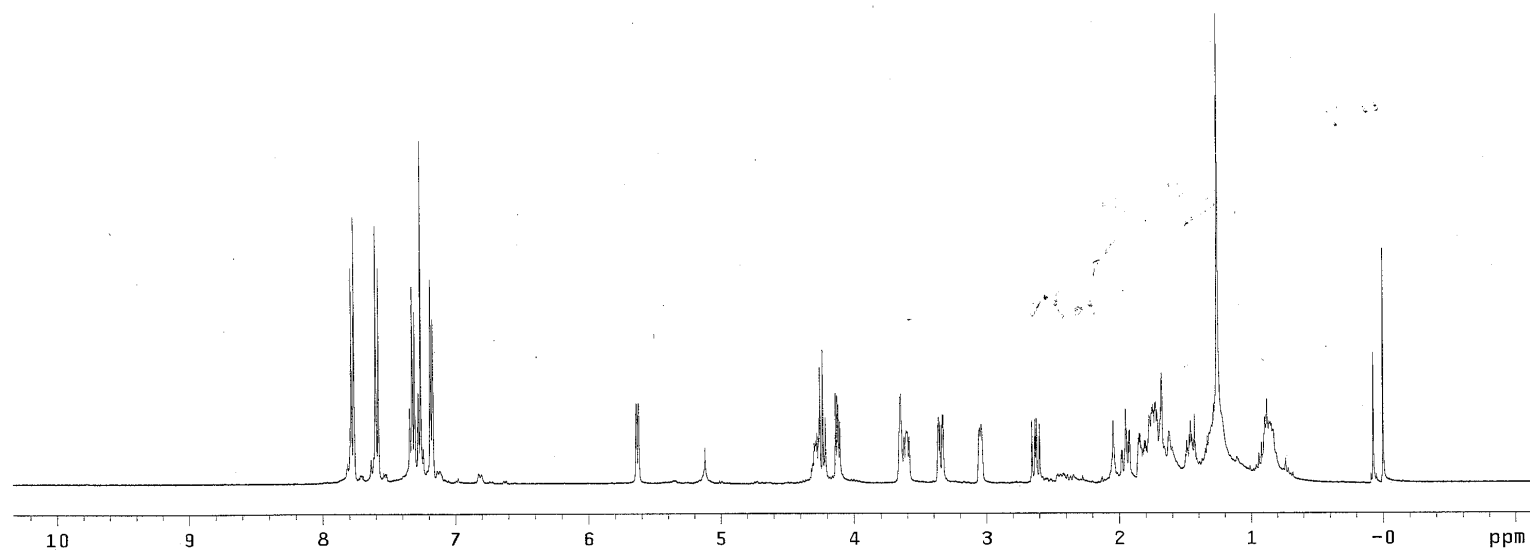
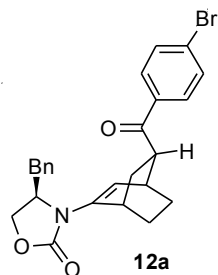
Bn-Br-UP_08Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-Br-UP_08Jun2013

Pulse Sequence: s2pul

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865237 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



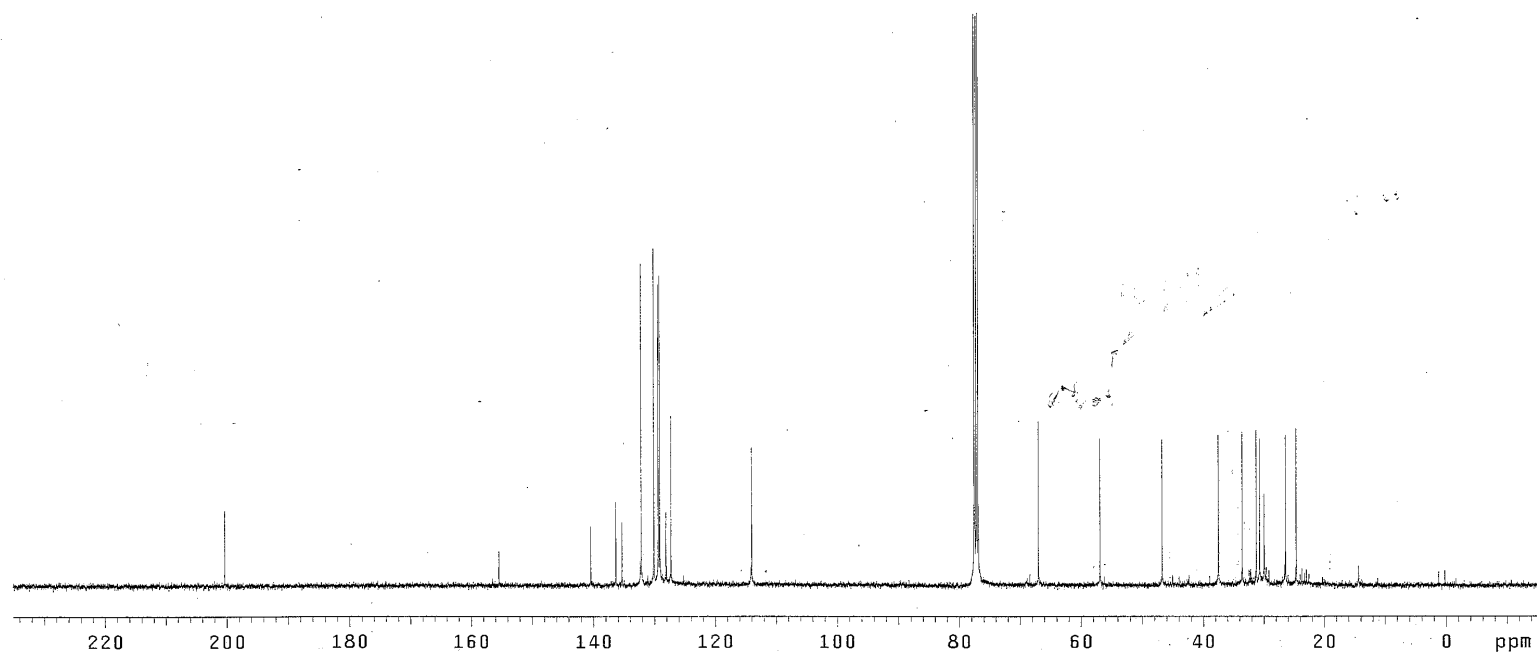
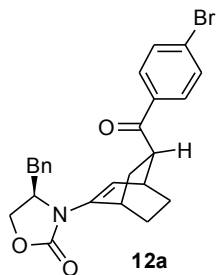
Bn-Br-UP-C_08Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-Br-UP-C_08Jun2013
File: CARBON

Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
INOVA-400 "ui400"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
15000 repetitions
OBSERVE C13, 100.5263791 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
VALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 hr, 11 min, 29 sec



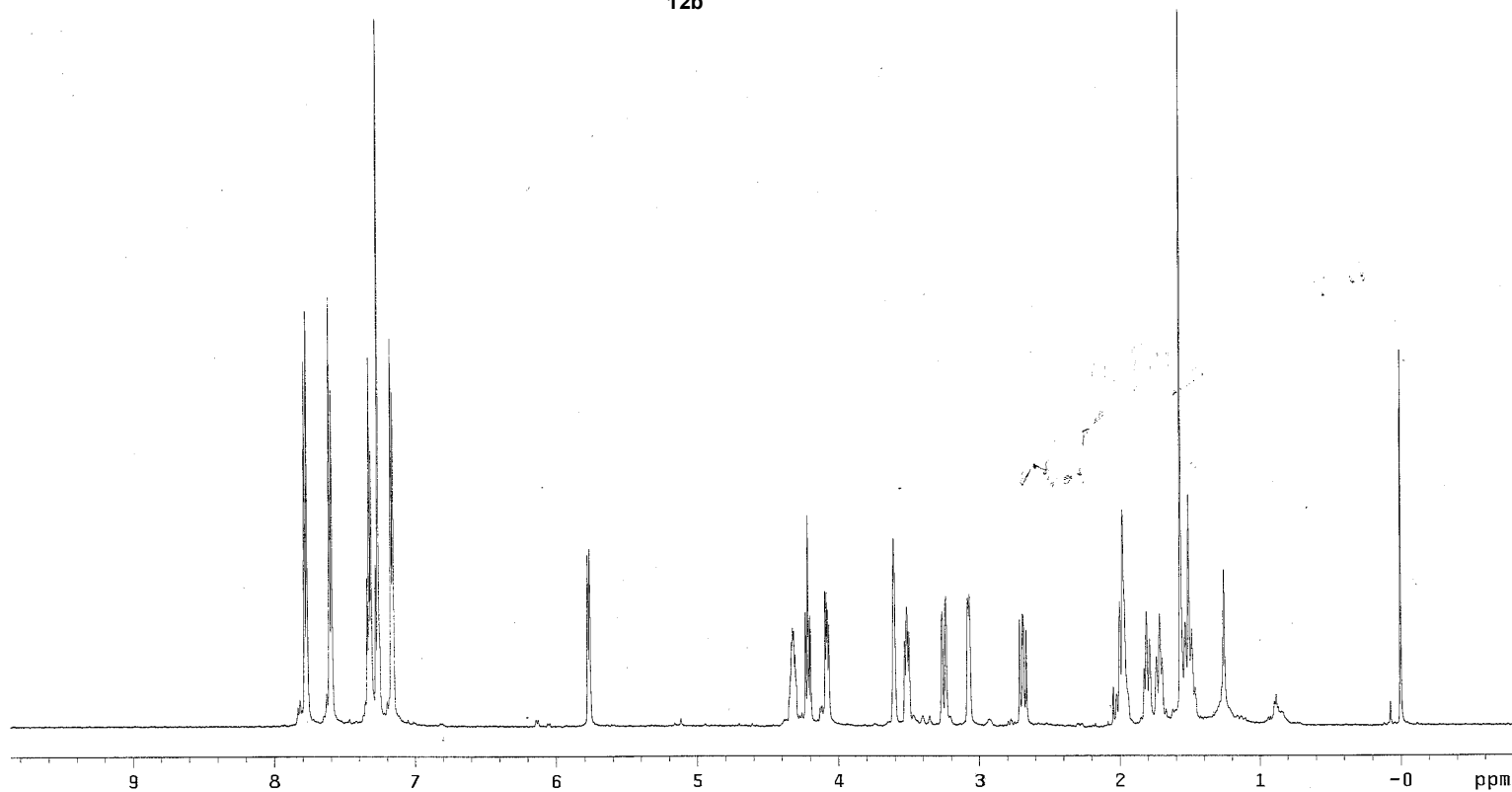
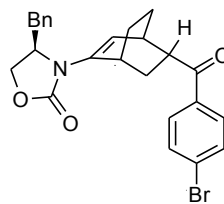
Bn-Br-down_26May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-Br-down_26May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288139 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec



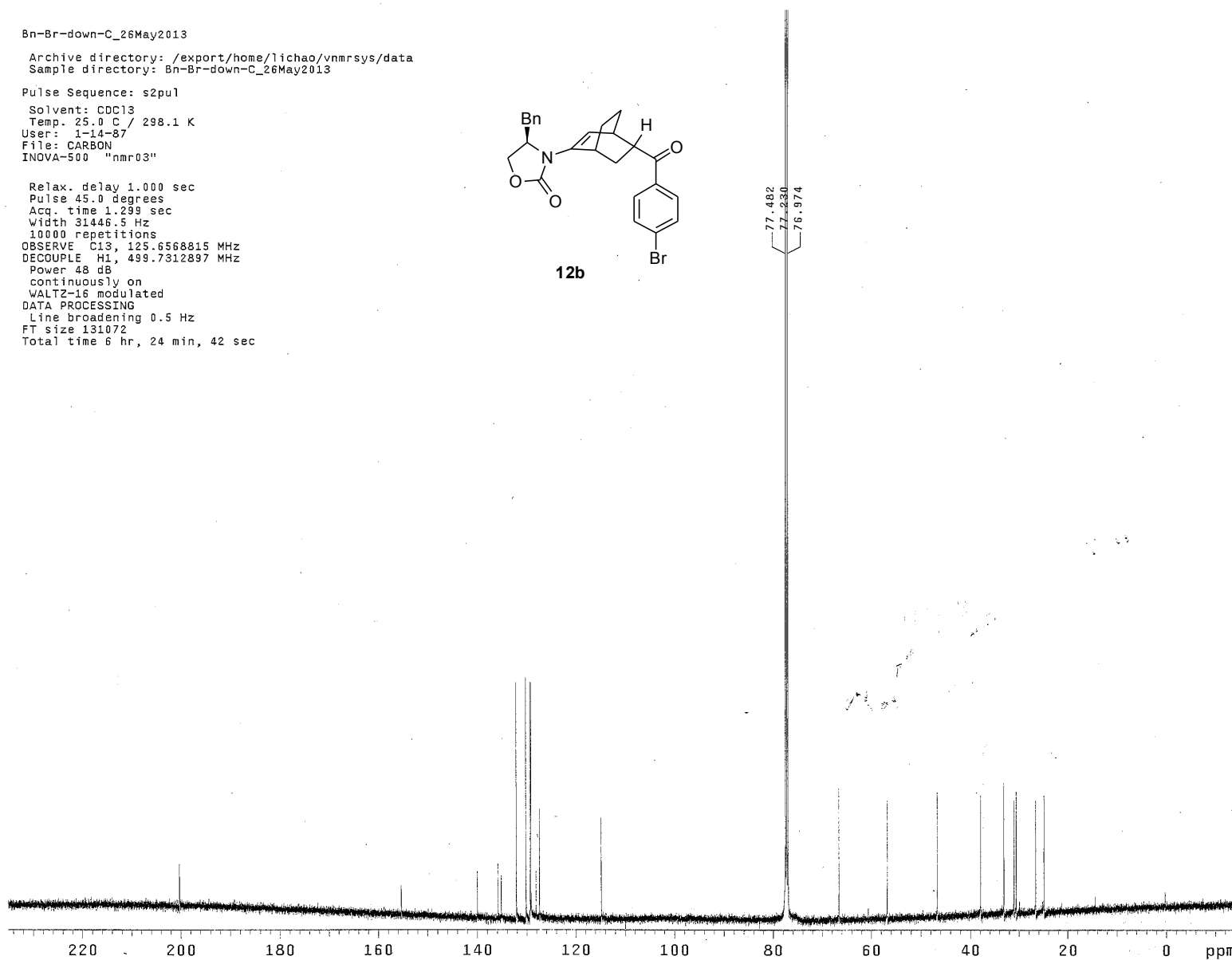
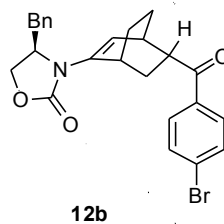
Bn-Br-down-C_26May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-Br-down-C_26May2013

Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
10000 repetitions
OBSERVE C13, 125.6568815 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 6 hr, 24 min, 42 sec



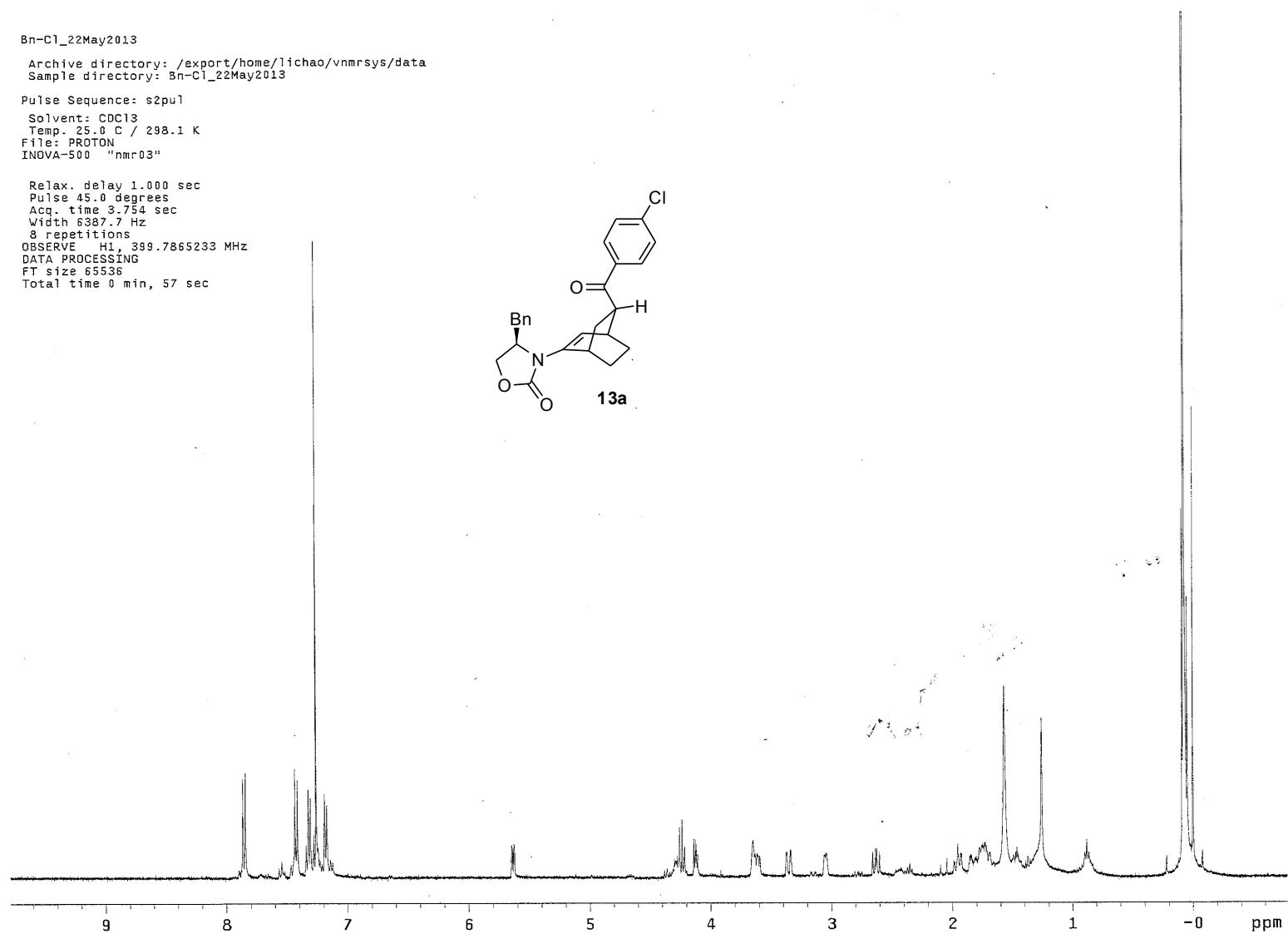
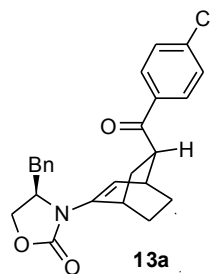
Bn-Cl_22May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-Cl_22May2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865233 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



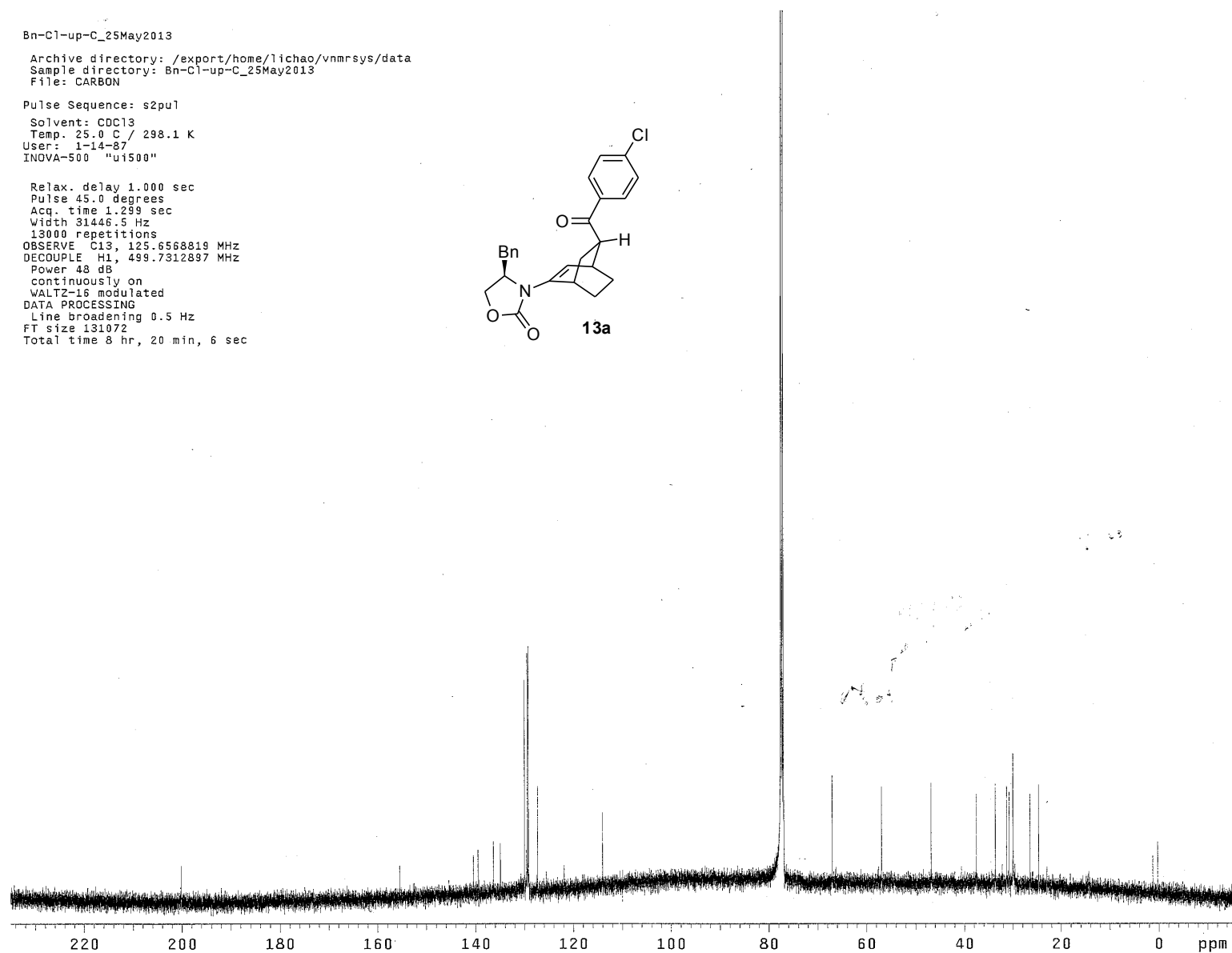
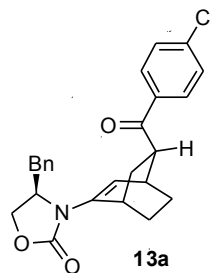
Bn-Cl-up-C_25May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-Cl-up-C_25May2013
File: CARBON

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "u1500"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
13000 repetitions
OBSERVE C13, 125.6568819 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 8 hr, 20 min, 6 sec



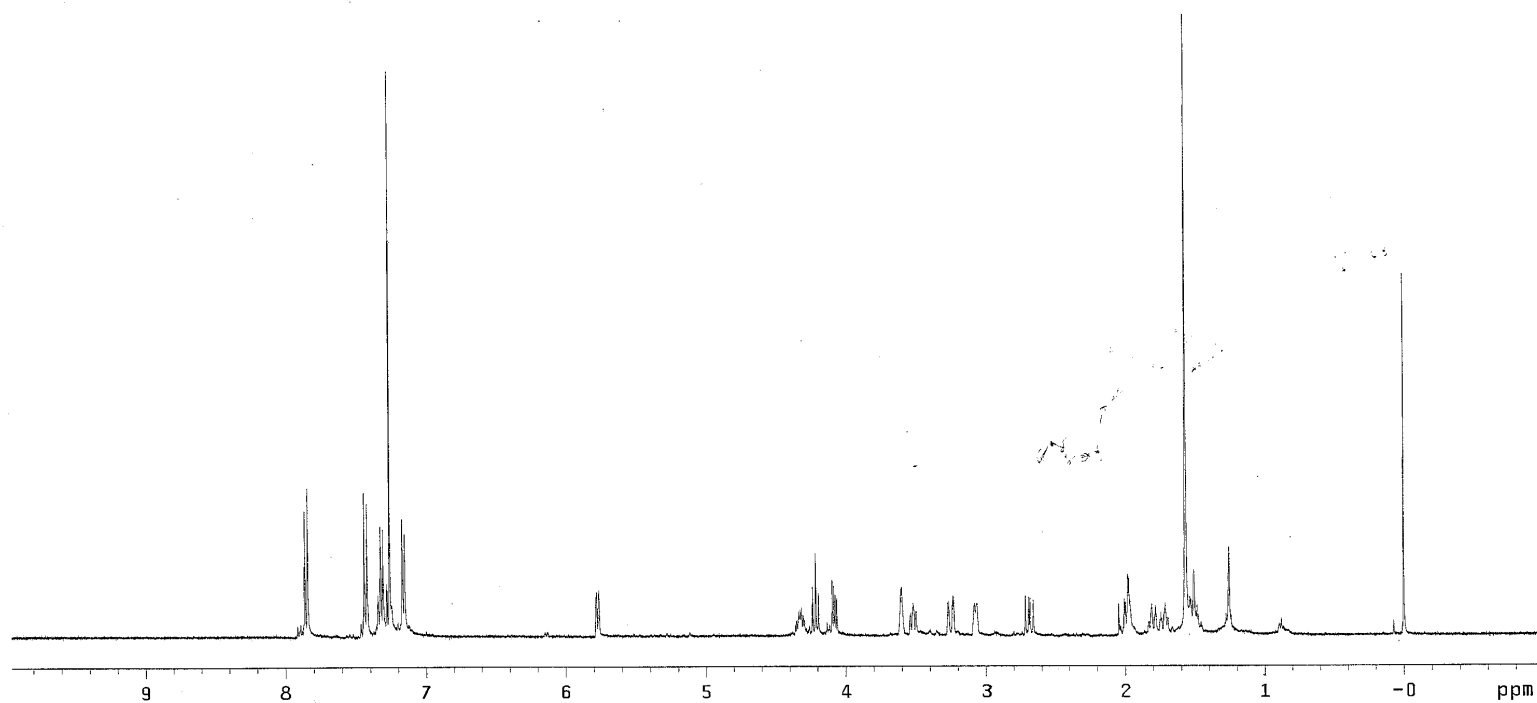
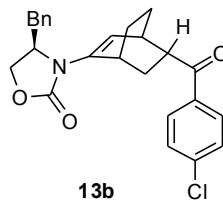
20130520_Bn-Cl-down

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130520_Bn-Cl-down

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865229 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



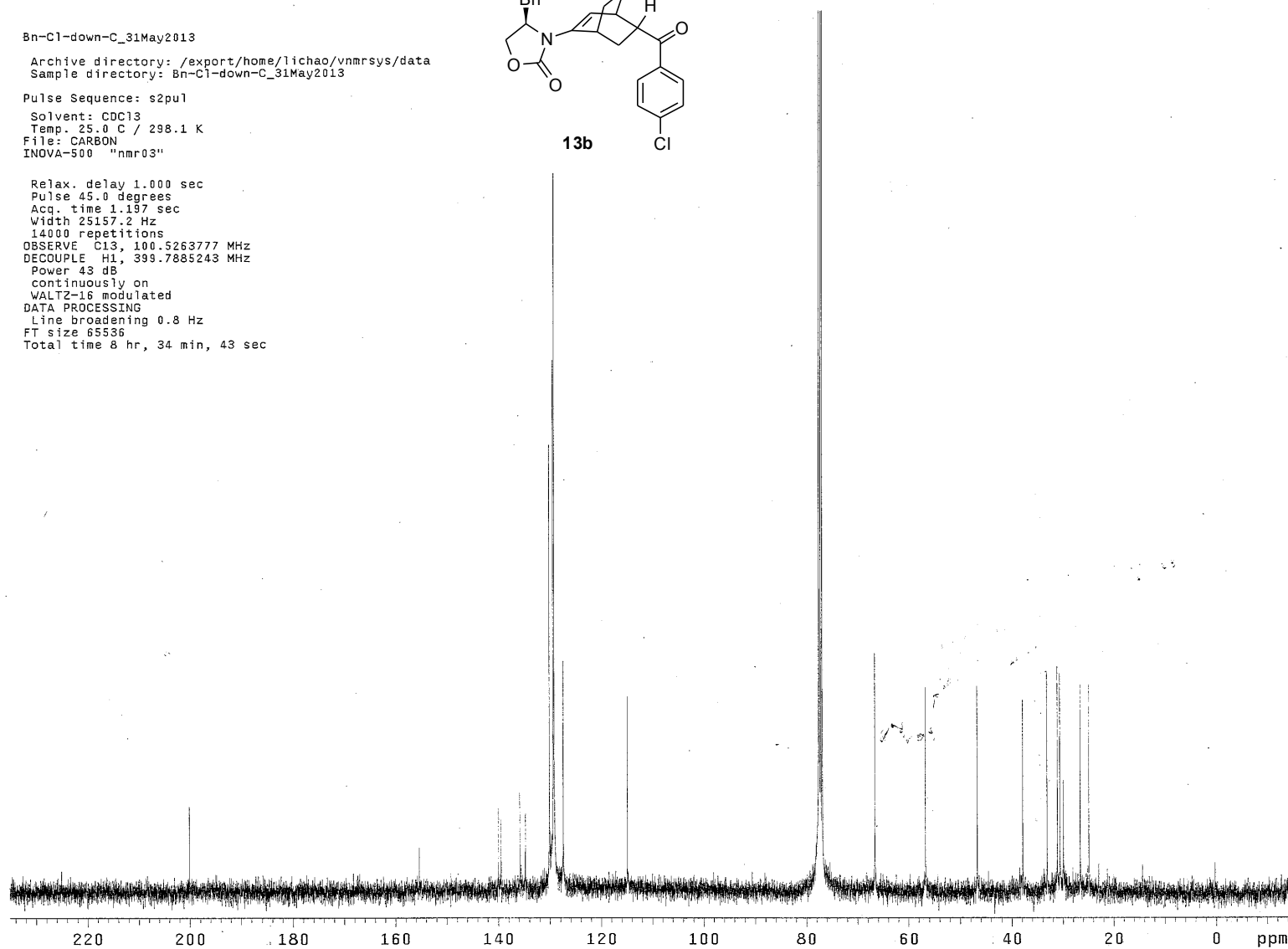
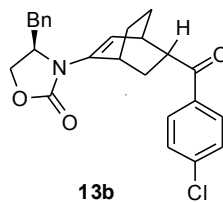
Bn-Cl-down-C_31May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-Cl-down-C_31May2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
14000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
Continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 8 hr, 34 min, 43 sec



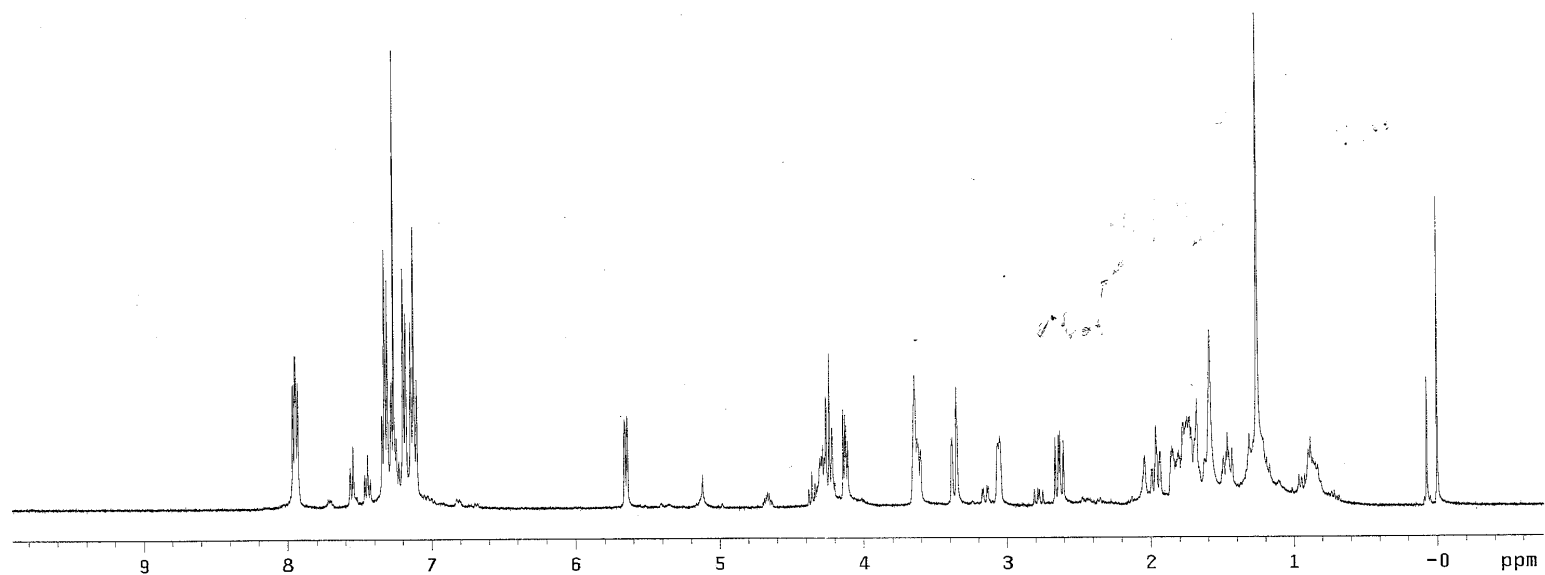
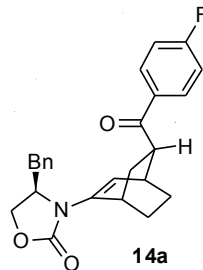
Bn-F-UP_08Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-F-UP_08Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865231 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



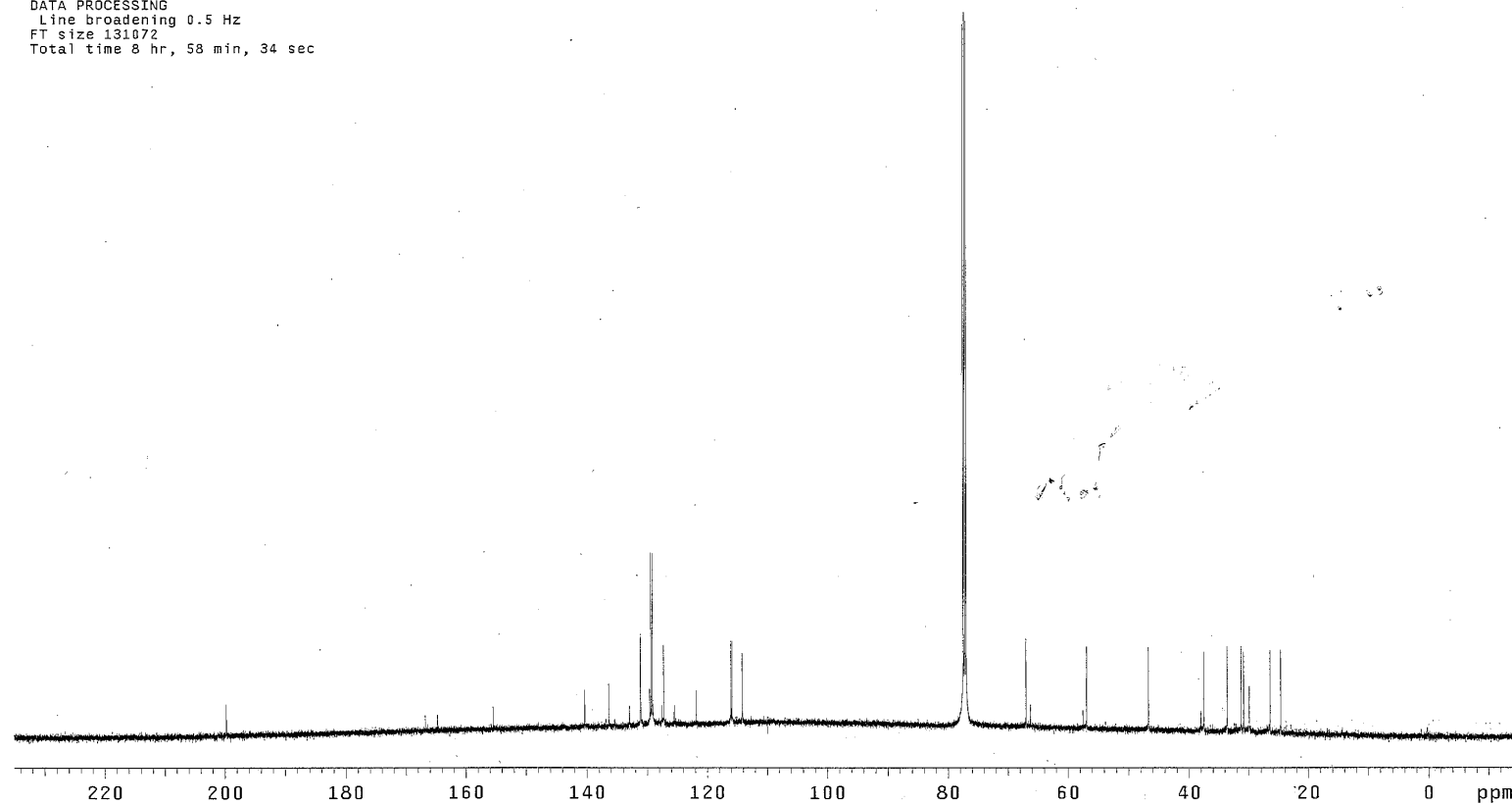
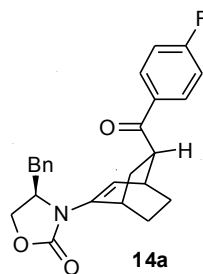
Bn-F-UP-C_09Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-F-UP-C_09Jun2013
File: CARBON

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
User: 1-14-87
INNOVA-500 "ui500"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
14000 repetitions
OBSERVE C13, 125.6568819 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 8 hr, 58 min, 34 sec



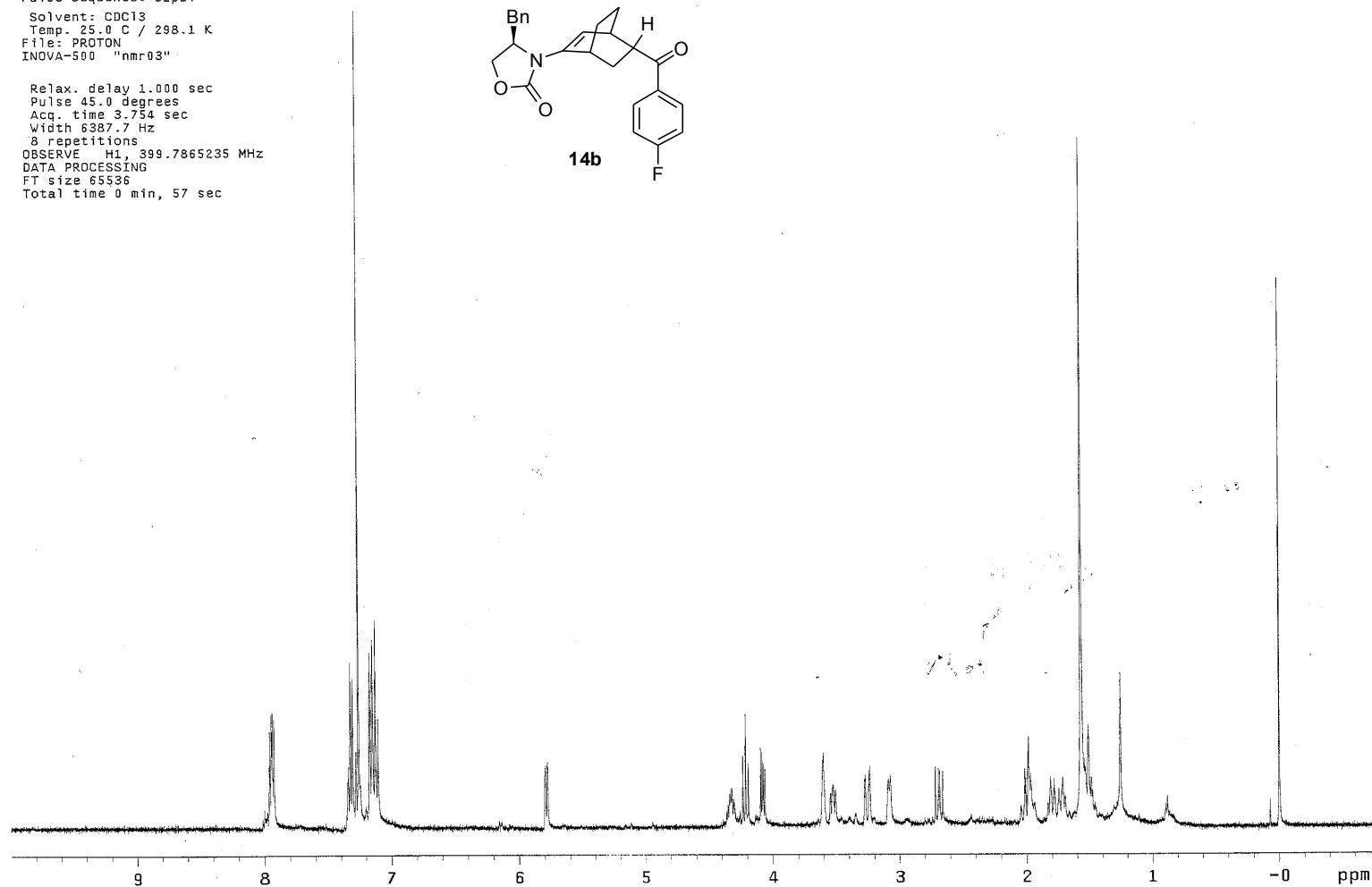
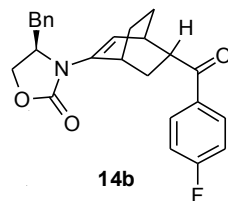
20130520_Bn-F-down

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130520_Bn-F-down

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865235 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



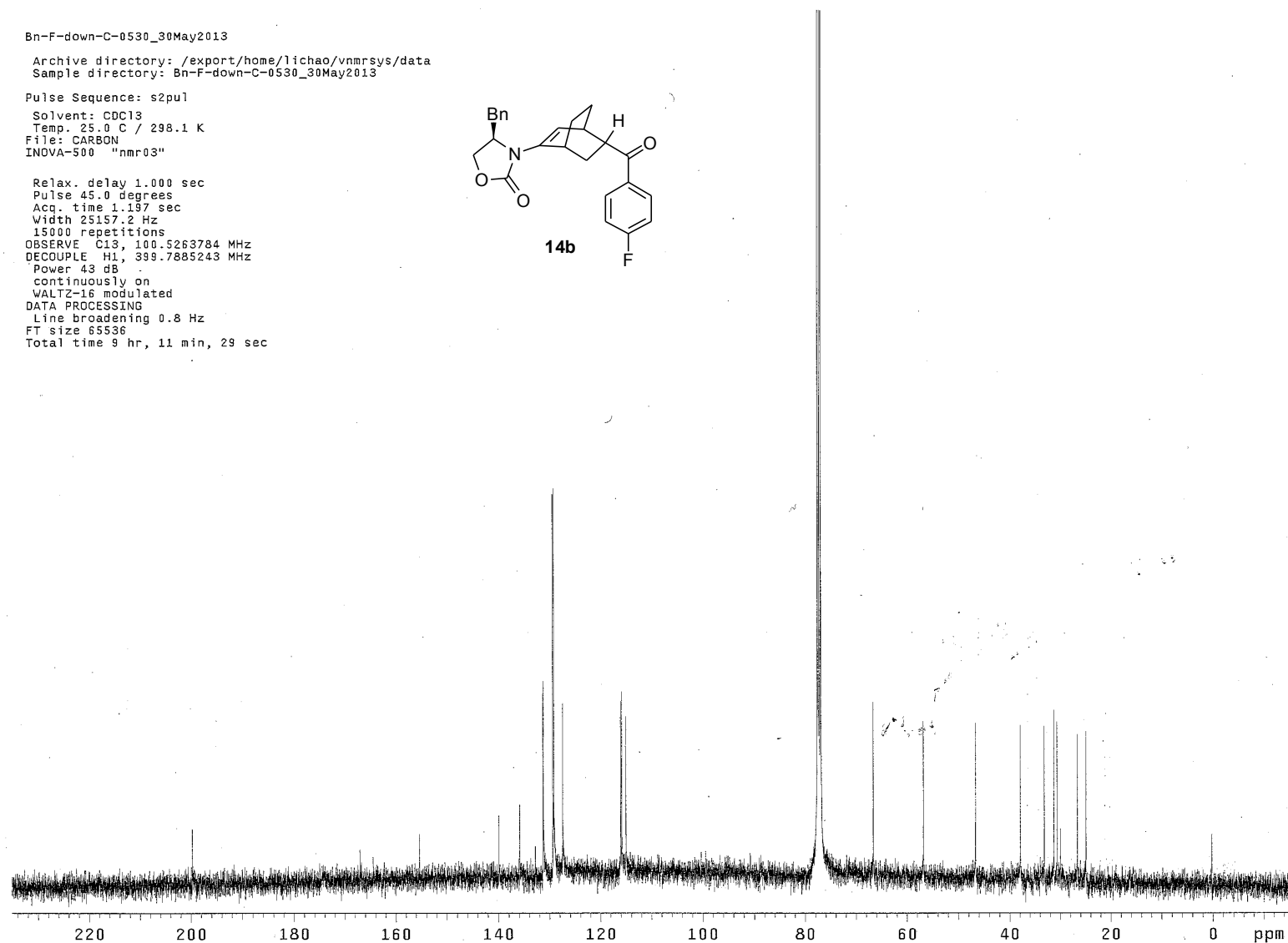
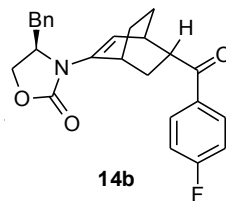
Bn-F-down-C-0530_30May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-F-down-C-0530_30May2013

Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
15000 repetitions
OBSERVE C13, 100.5263784 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 hr, 11 min, 29 sec



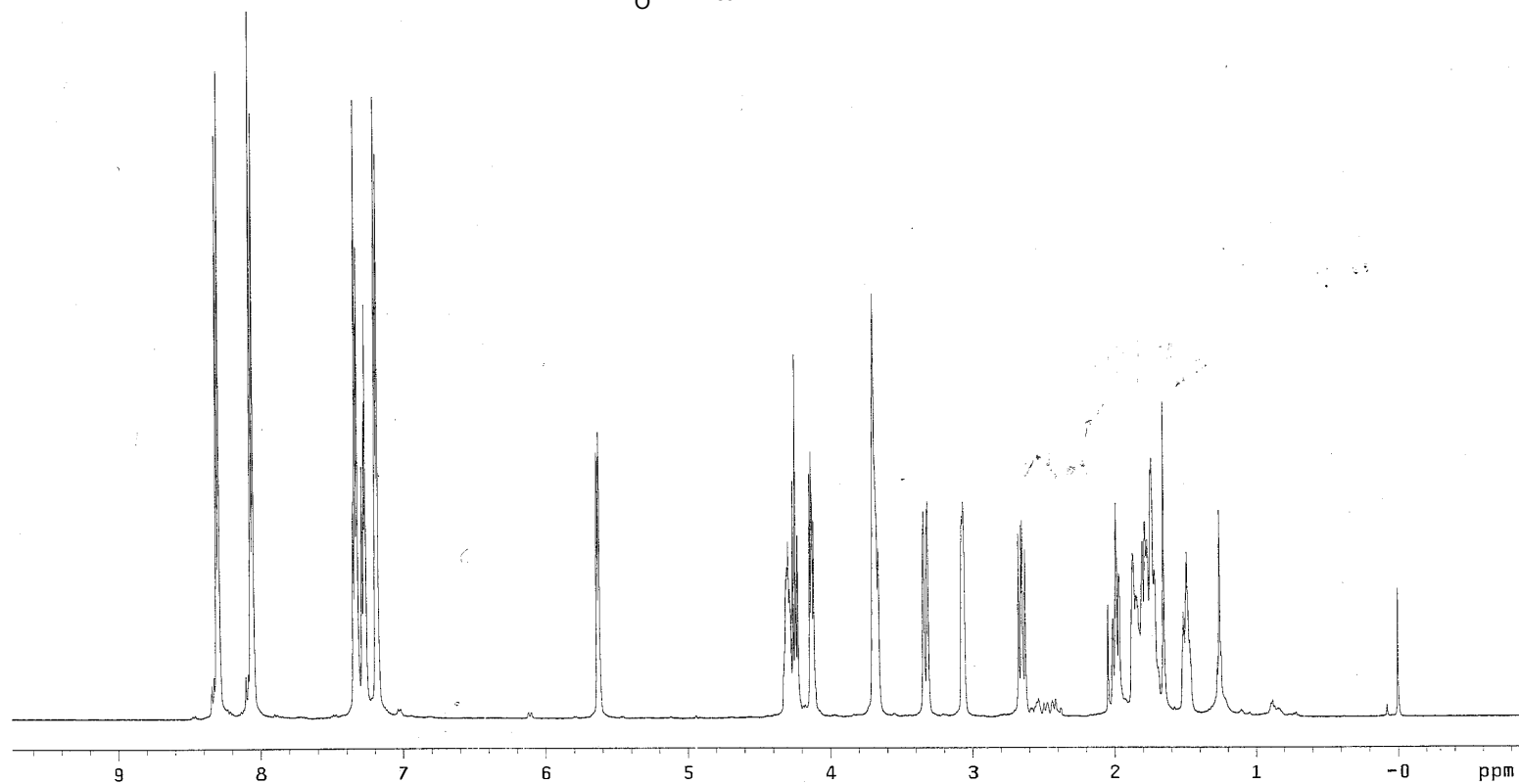
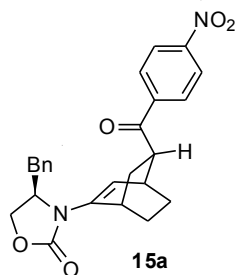
Bn-N02-UP_26May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-N02-UP_26May2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288121 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec



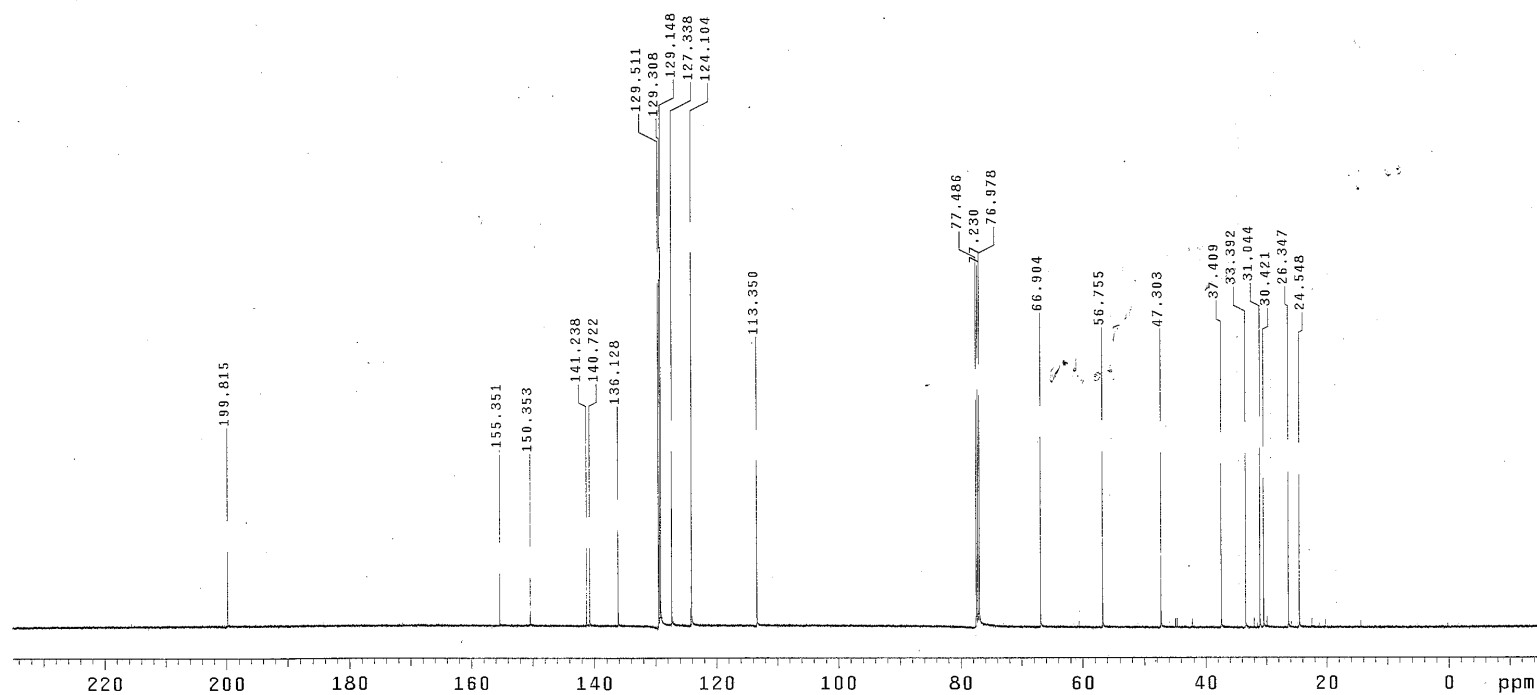
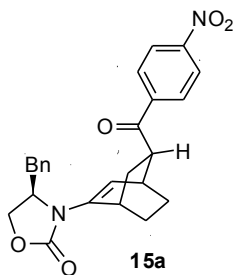
Bn-NO2-UP-C_26May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-NO2-UP-C_26May2013
File: CARBON

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "u1500"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
3000 repetitions
OBSERVE C13, 125.6568858 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 1 hr, 55 min, 28 sec



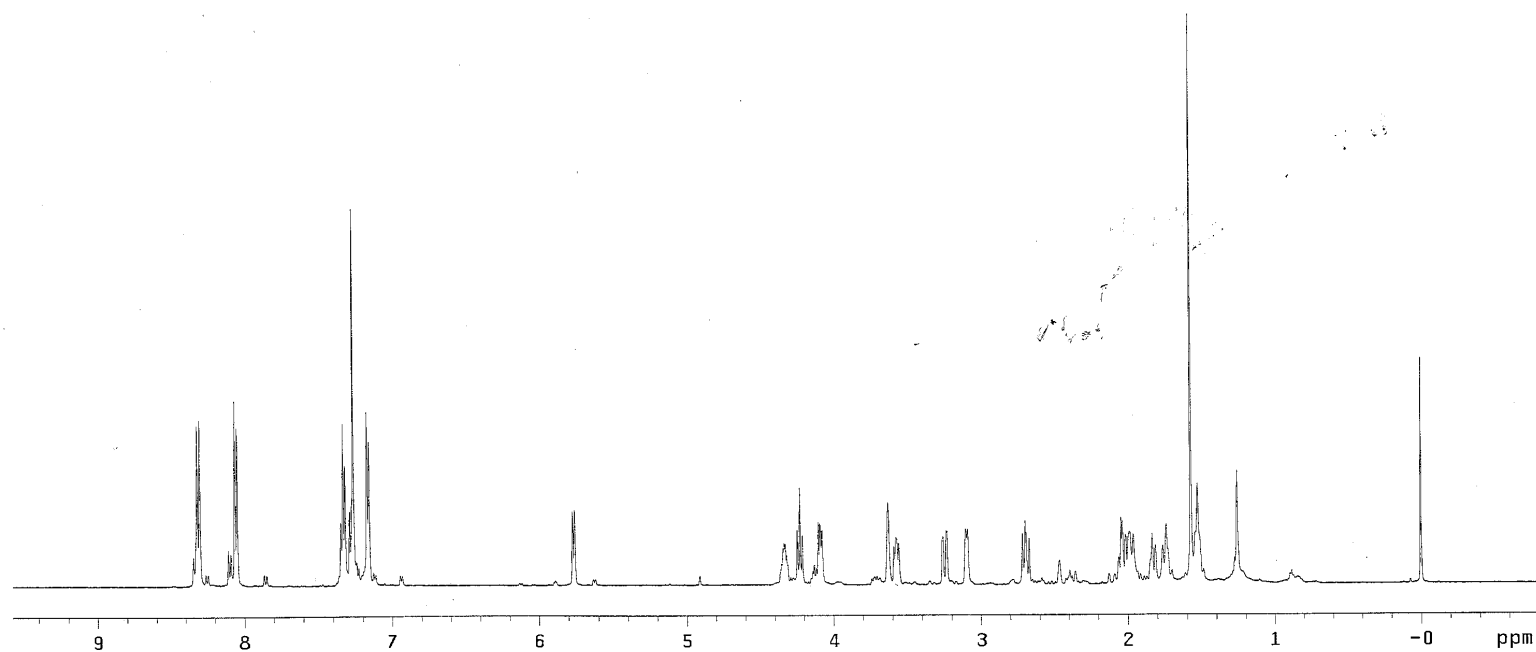
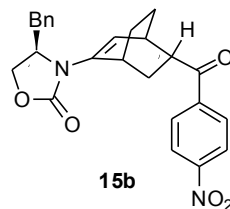
Bn-NO2-down_27May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-NO2-down_27May2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288134 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec



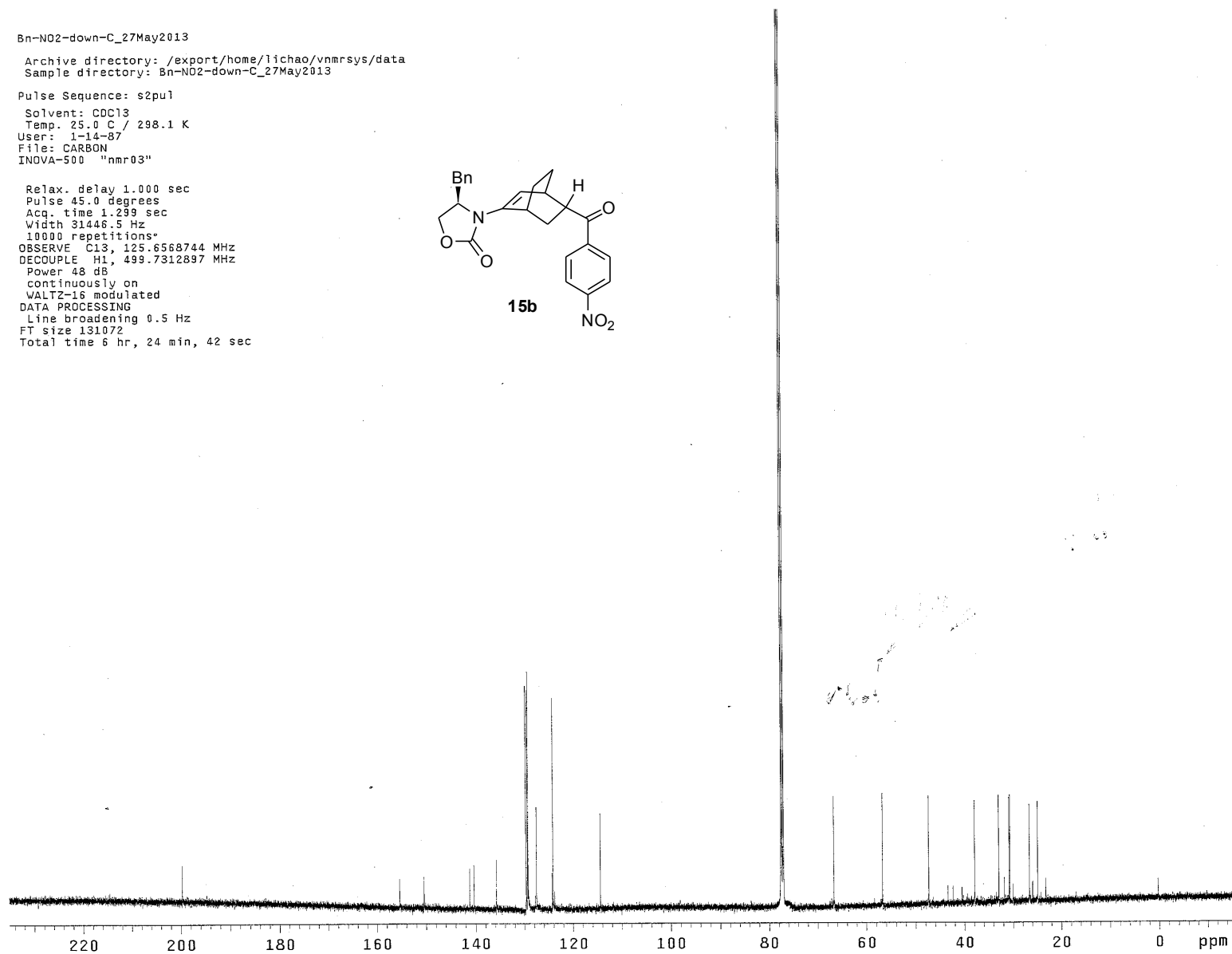
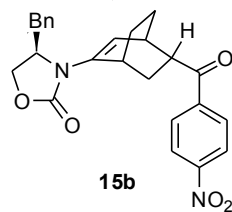
Bn-NO2-down-C_27May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Bn-NO2-down-C_27May2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
User: 1-14-87
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
10000 repetitions
OBSERVE C13, 125.6568744 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 6 hr, 24 min, 42 sec



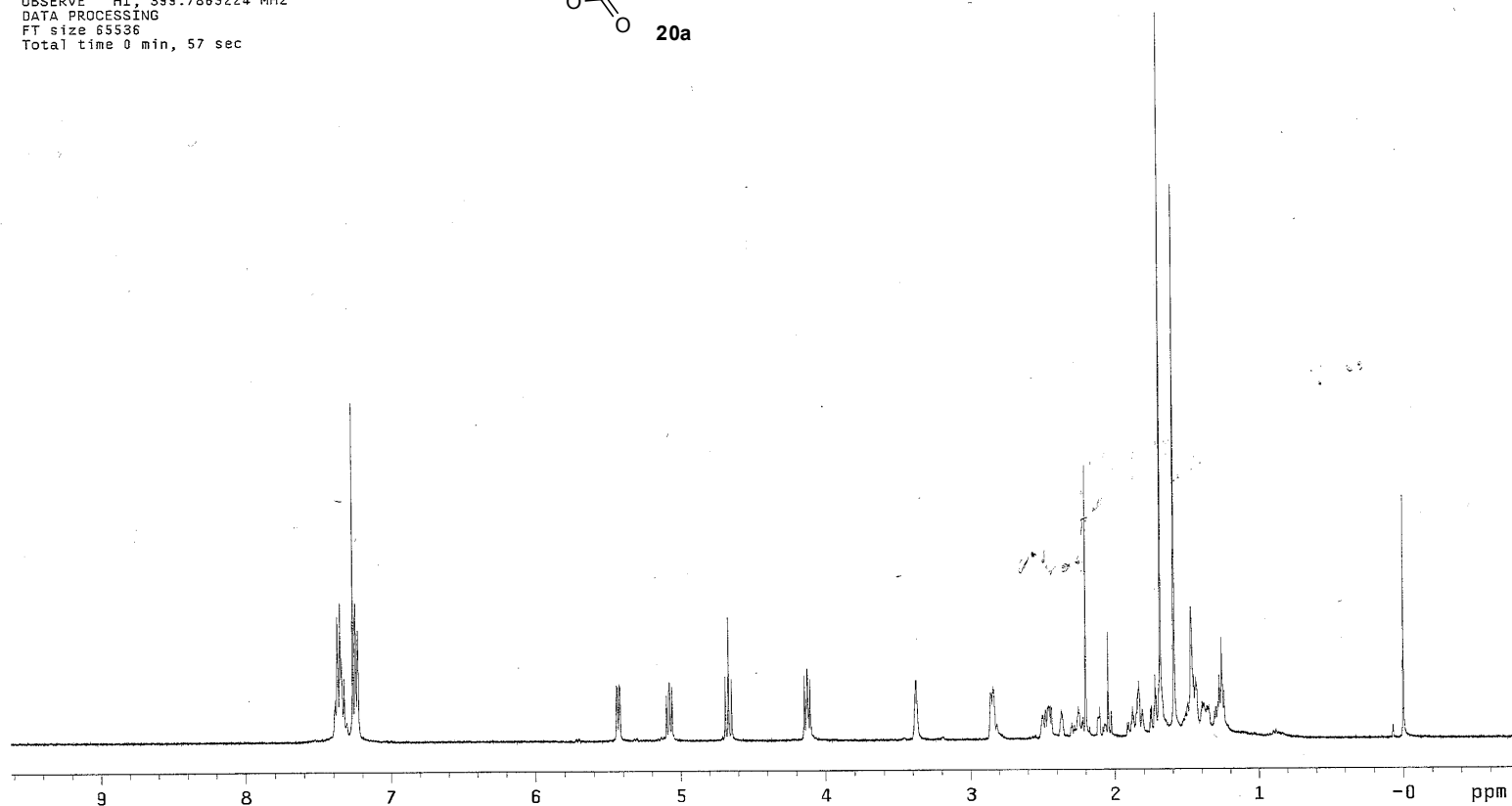
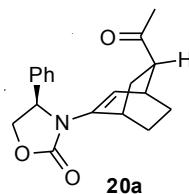
20130520_Ph-MVK-UP-2

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130520_Ph-MVK-UP-2

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865224 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



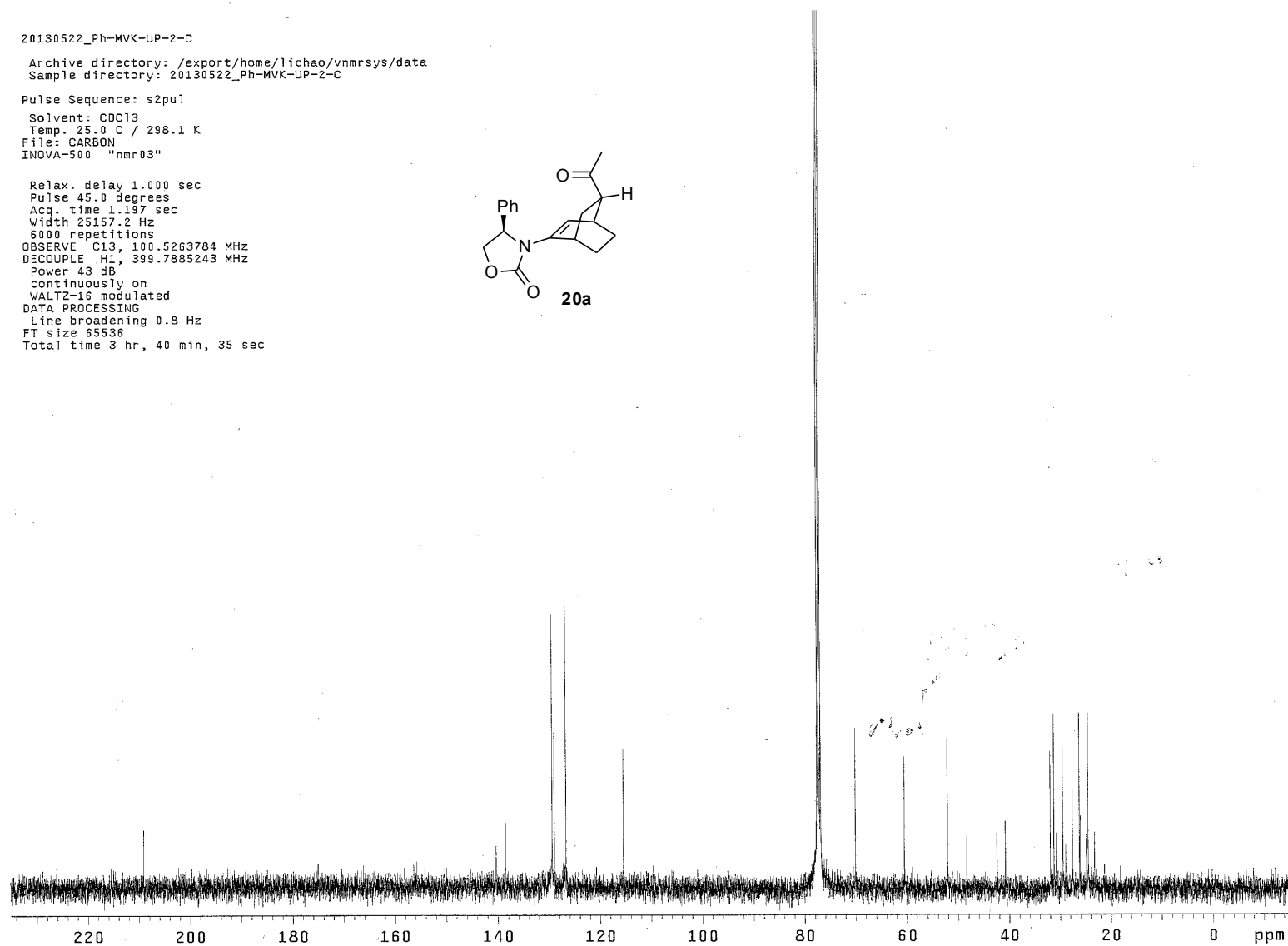
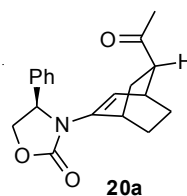
20130522_Ph-MVK-UP-2-C

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130522_Ph-MVK-UP-2-C

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
6000 repetitions
OBSERVE C13, 100.5263784 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 3 hr, 40 min, 35 sec



20130519_Ph-MVK-down

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130519_Ph-MVK-down

Pulse Sequence: s2pu1

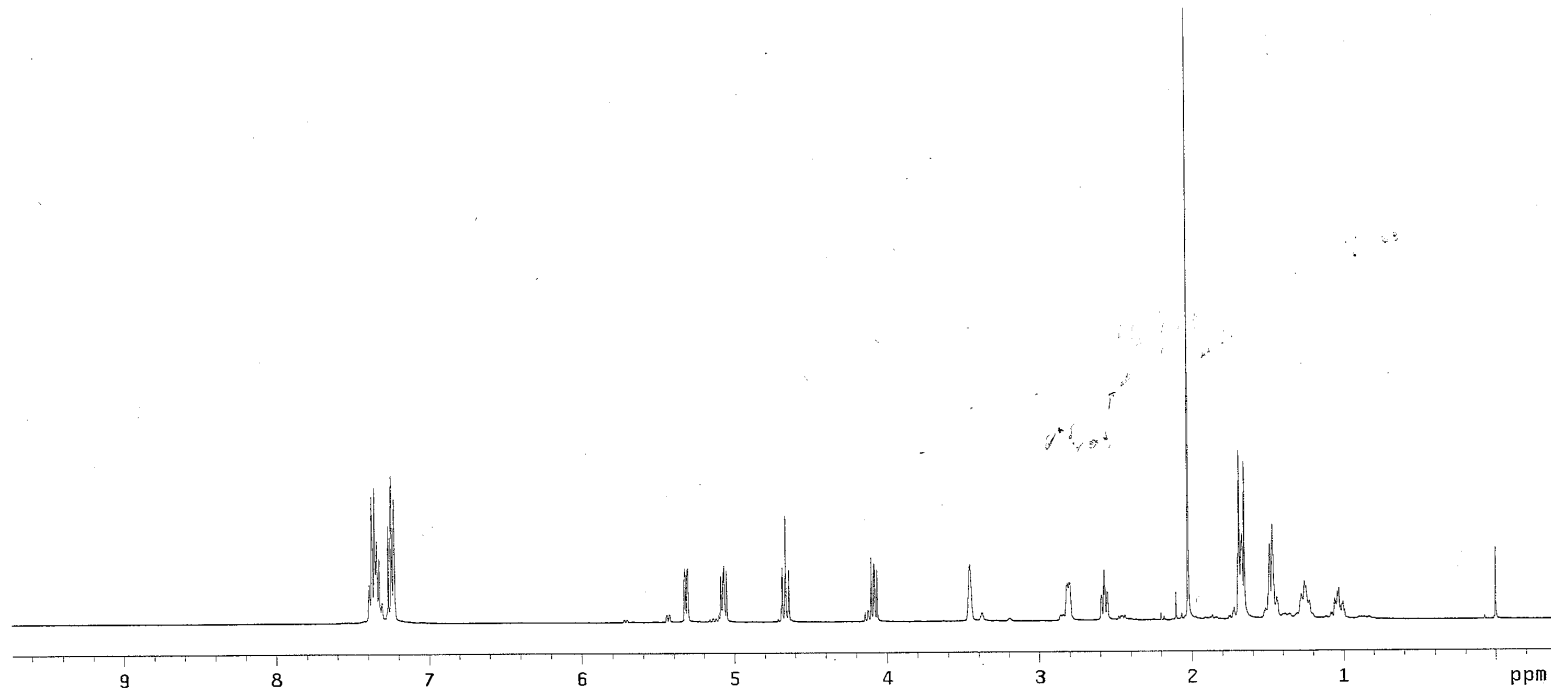
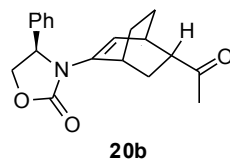
Solvent: CDCl₃

Temp. 25.0 C / 298.1 K

File: PROTON

INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865206 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



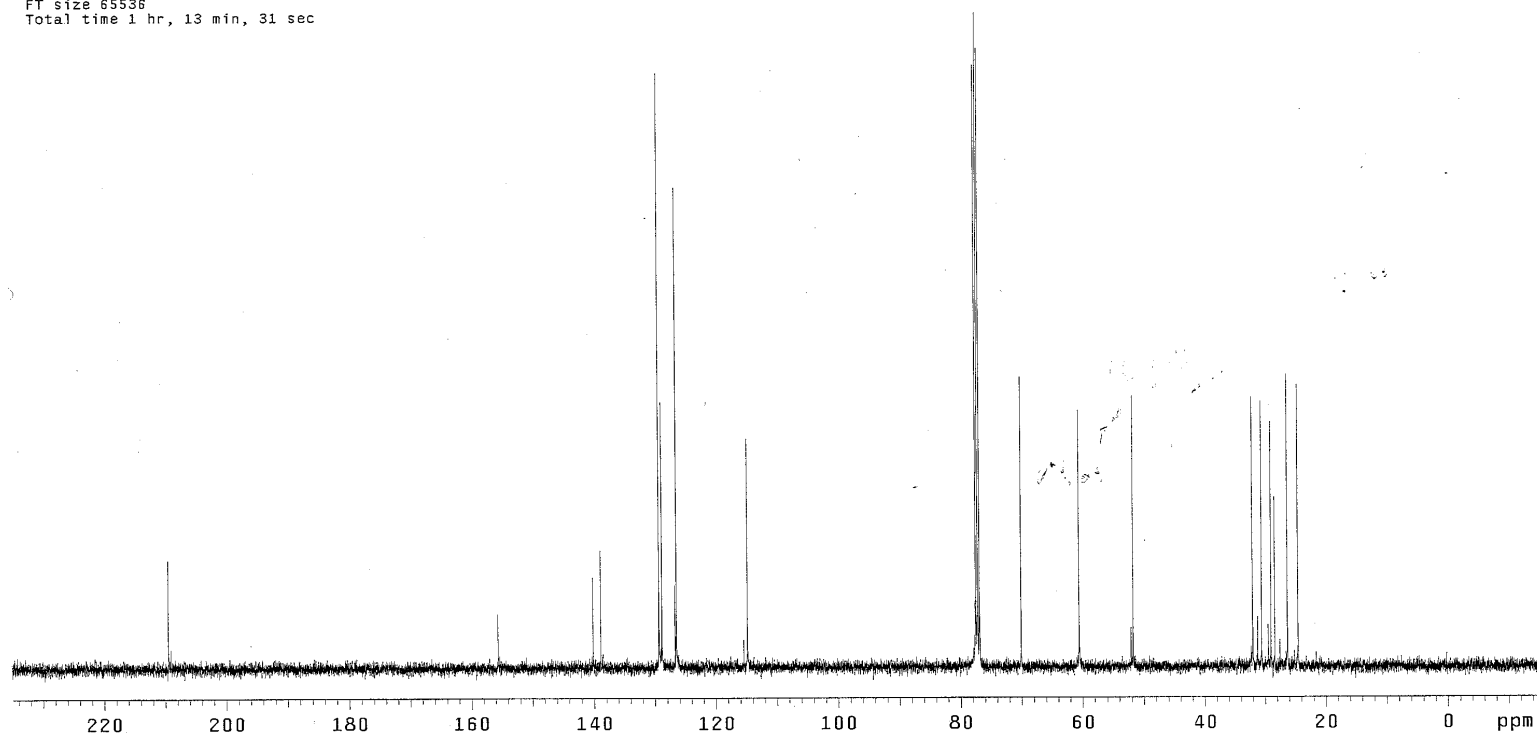
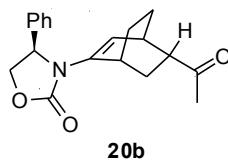
20130519_Ph-MVK-down

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130519_Ph-MVK-down

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec



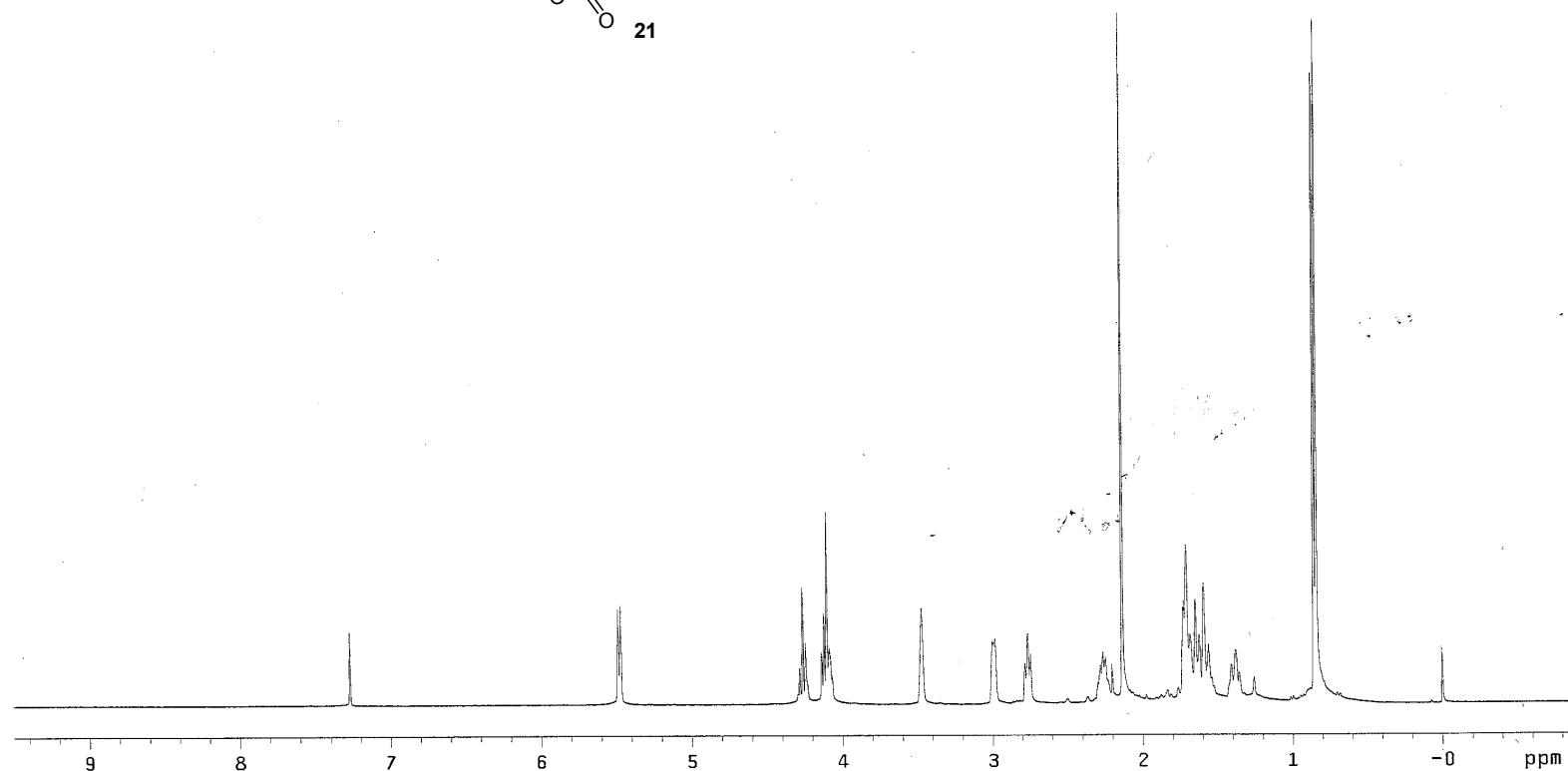
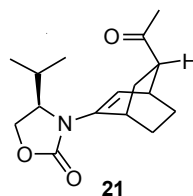
20130318-2_19Mar2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130318-2_19Mar2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865192 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



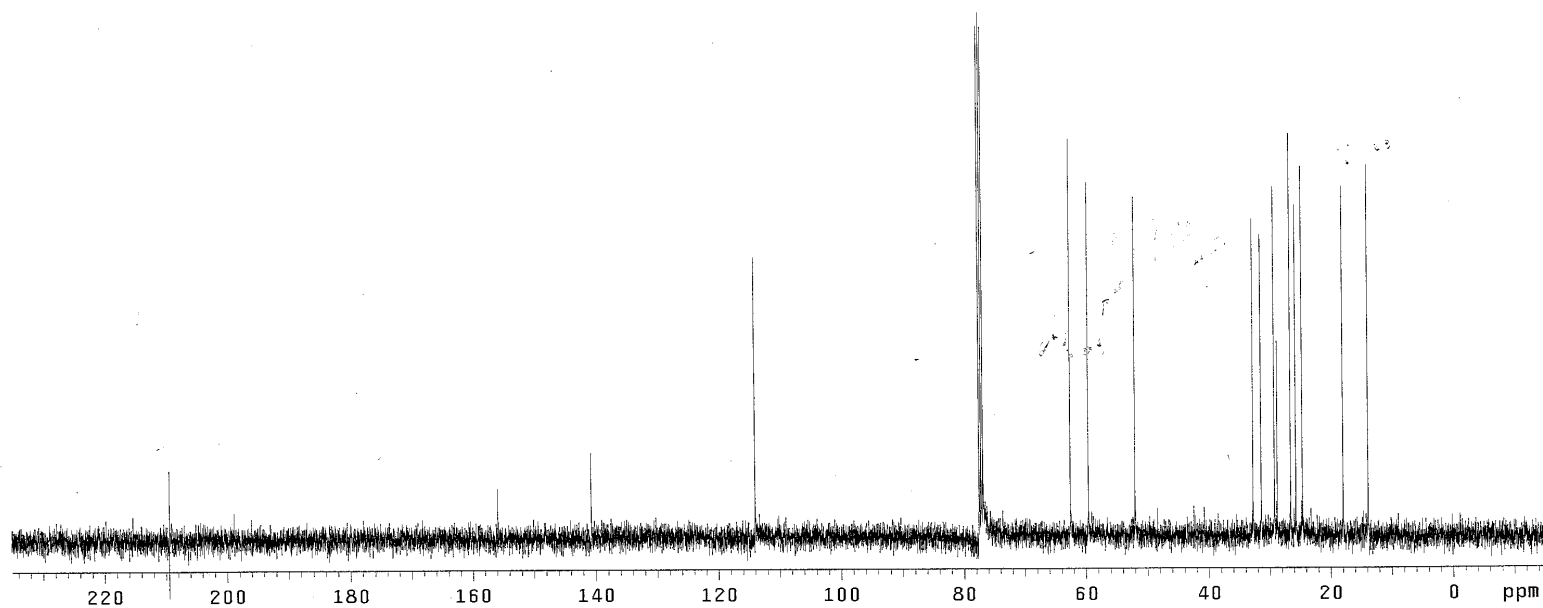
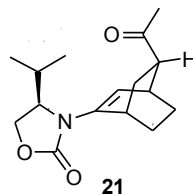
20130318-P37-C_08Apr2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130318-P37-C_08Apr2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.137 sec
Width 25157.2 Hz
464 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 36 min, 45 sec



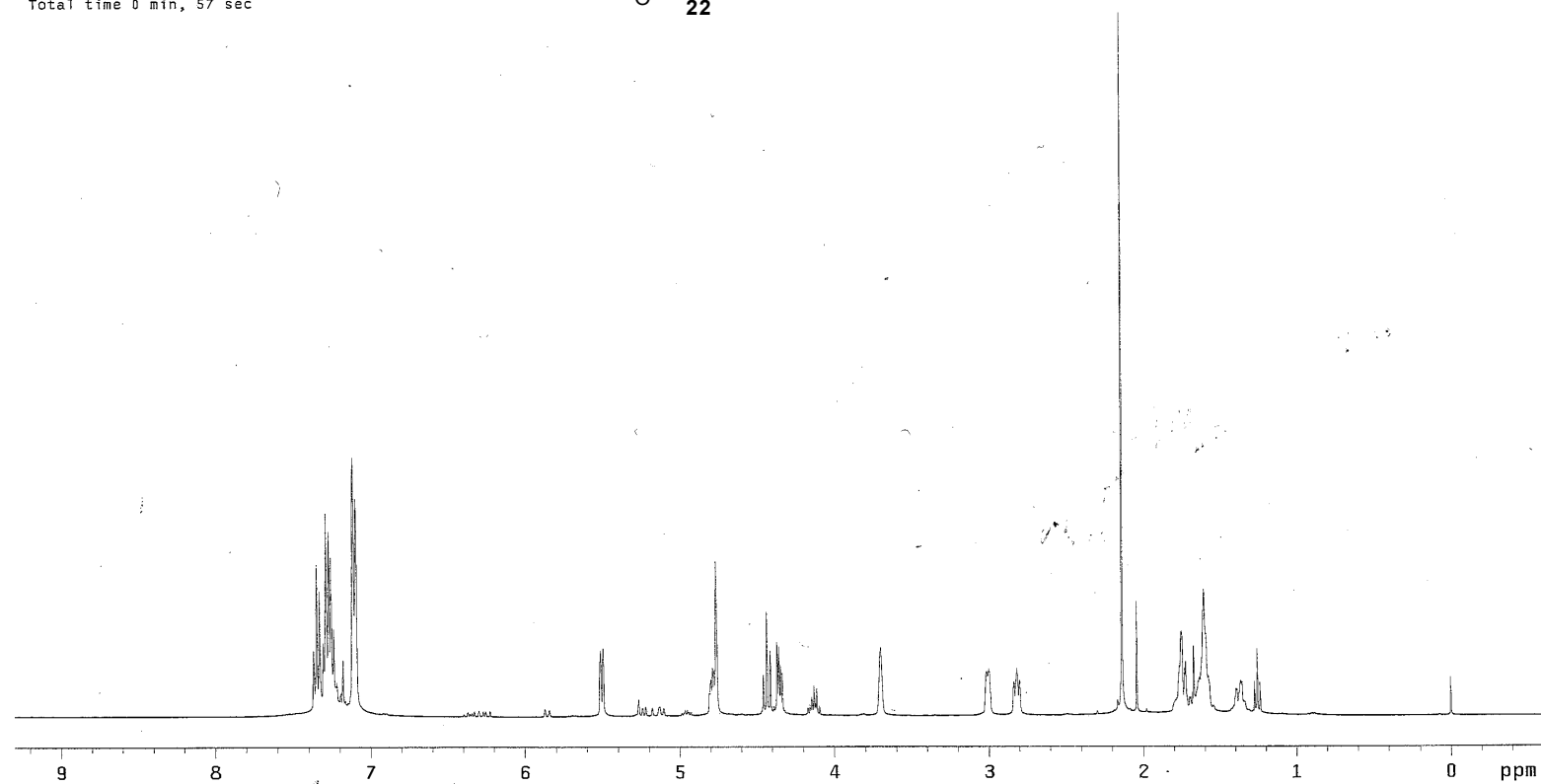
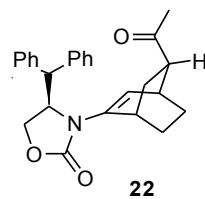
20130504-P103-1_04May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130504-P103-1_04May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp: 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865243 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



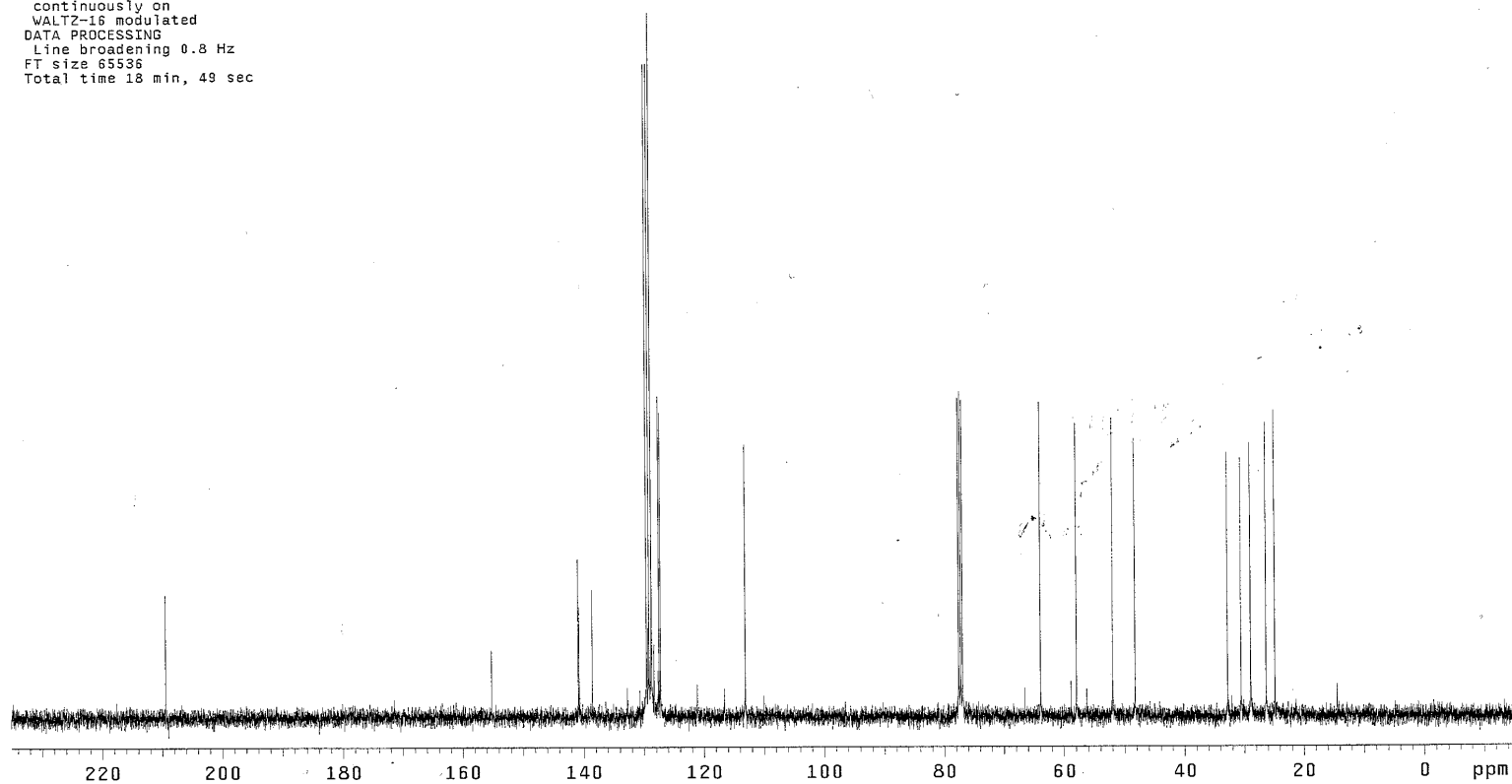
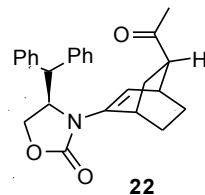
20130504-P103-1_04May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130504-P103-1_04May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

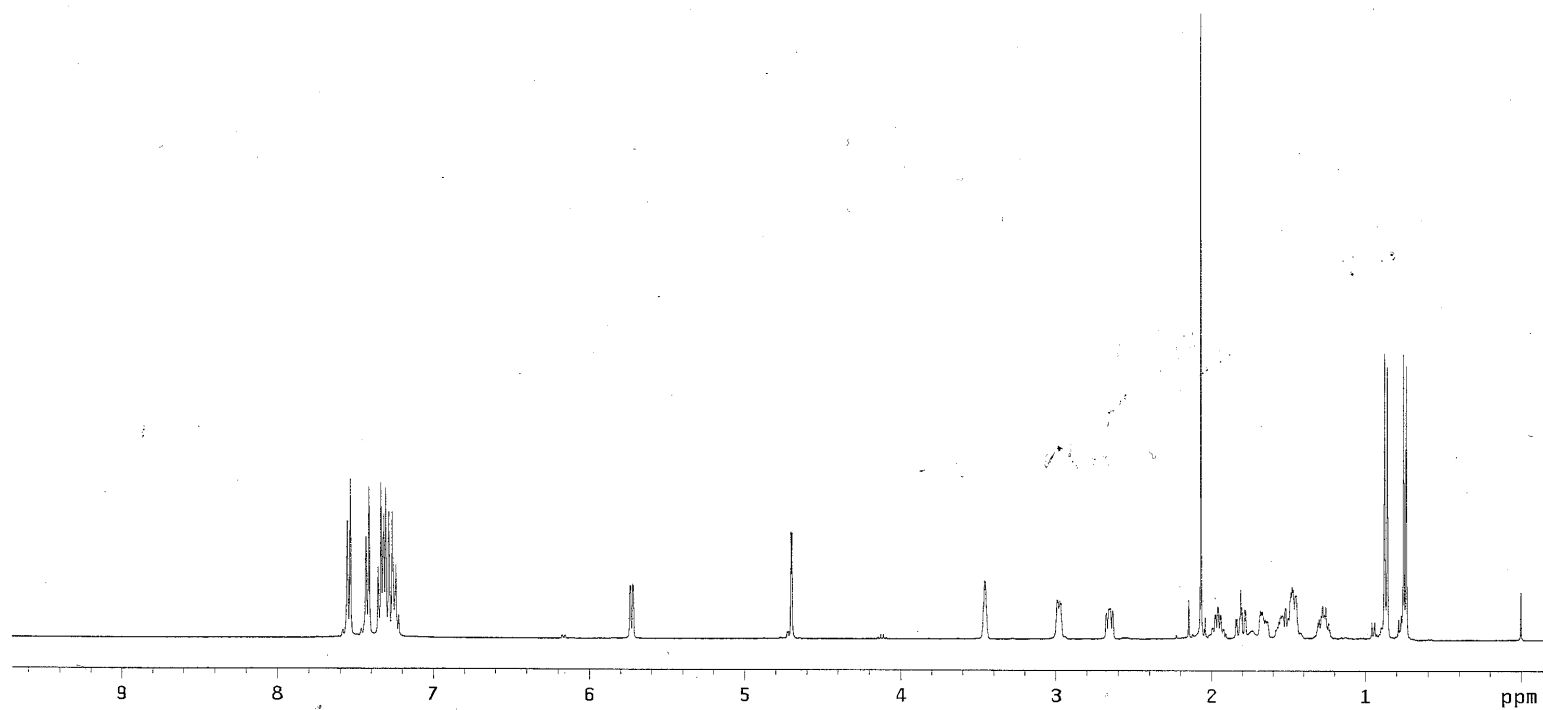
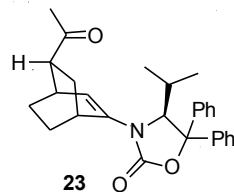
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
432 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 18 min, 49 sec



```
Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130519_seebach-MVK-DA
```

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

```
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865218 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec
```



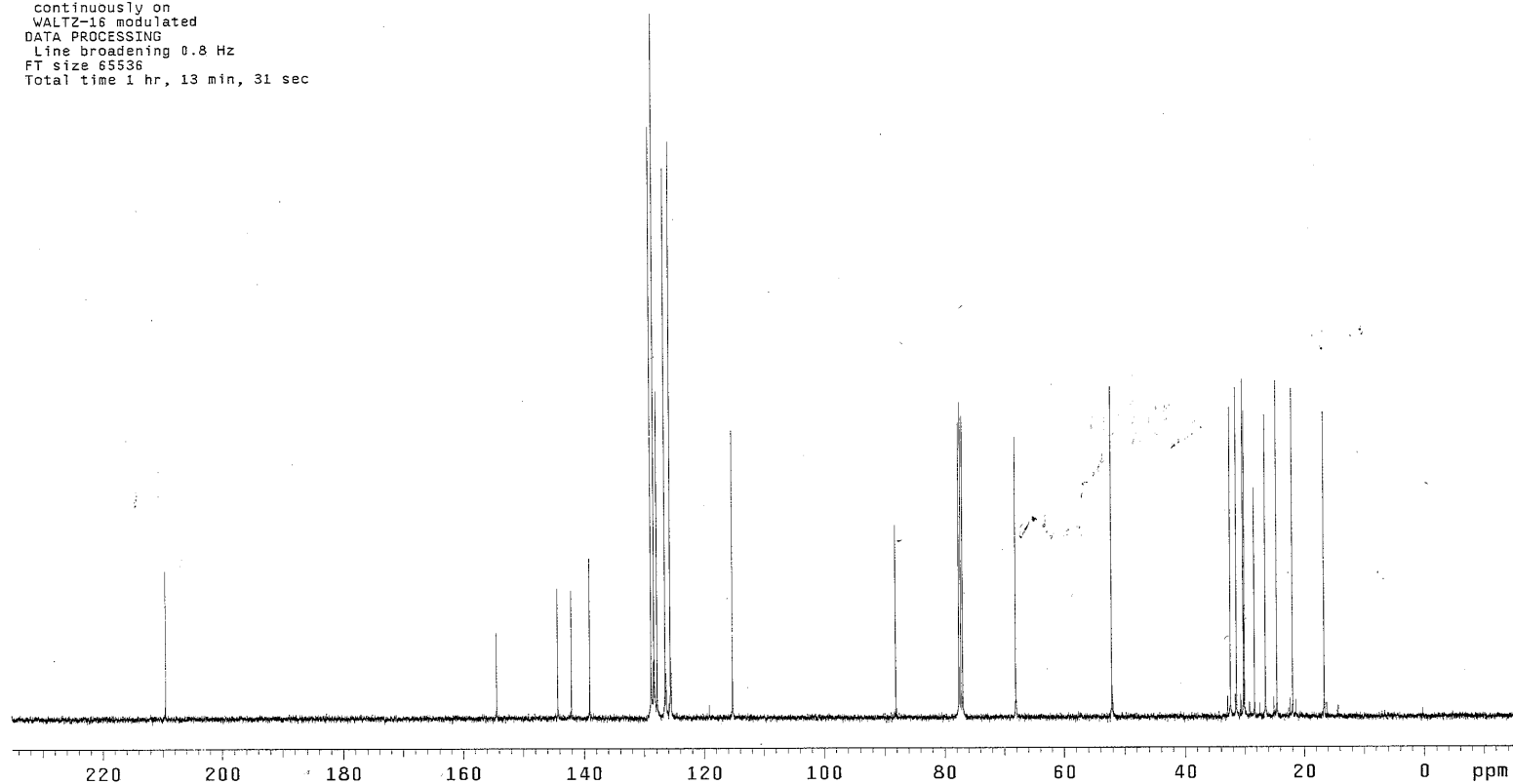
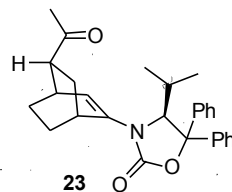
20130519_seebach-MVK-DA

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130519_seebach-MVK-DA

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.157 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec



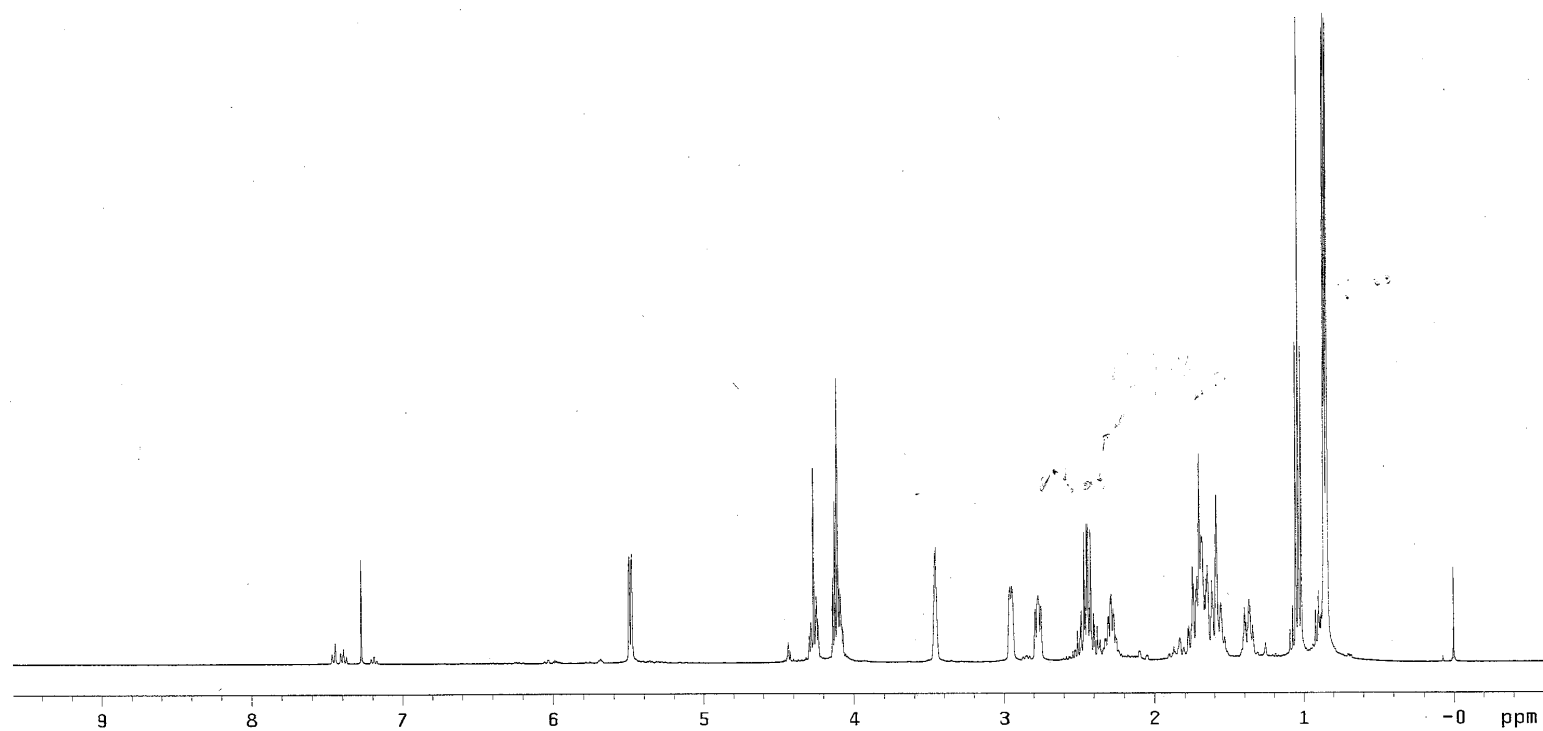
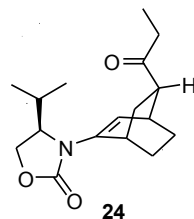
20130429-P90_30Apr2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130429-P90_30Apr2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr93"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865177 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



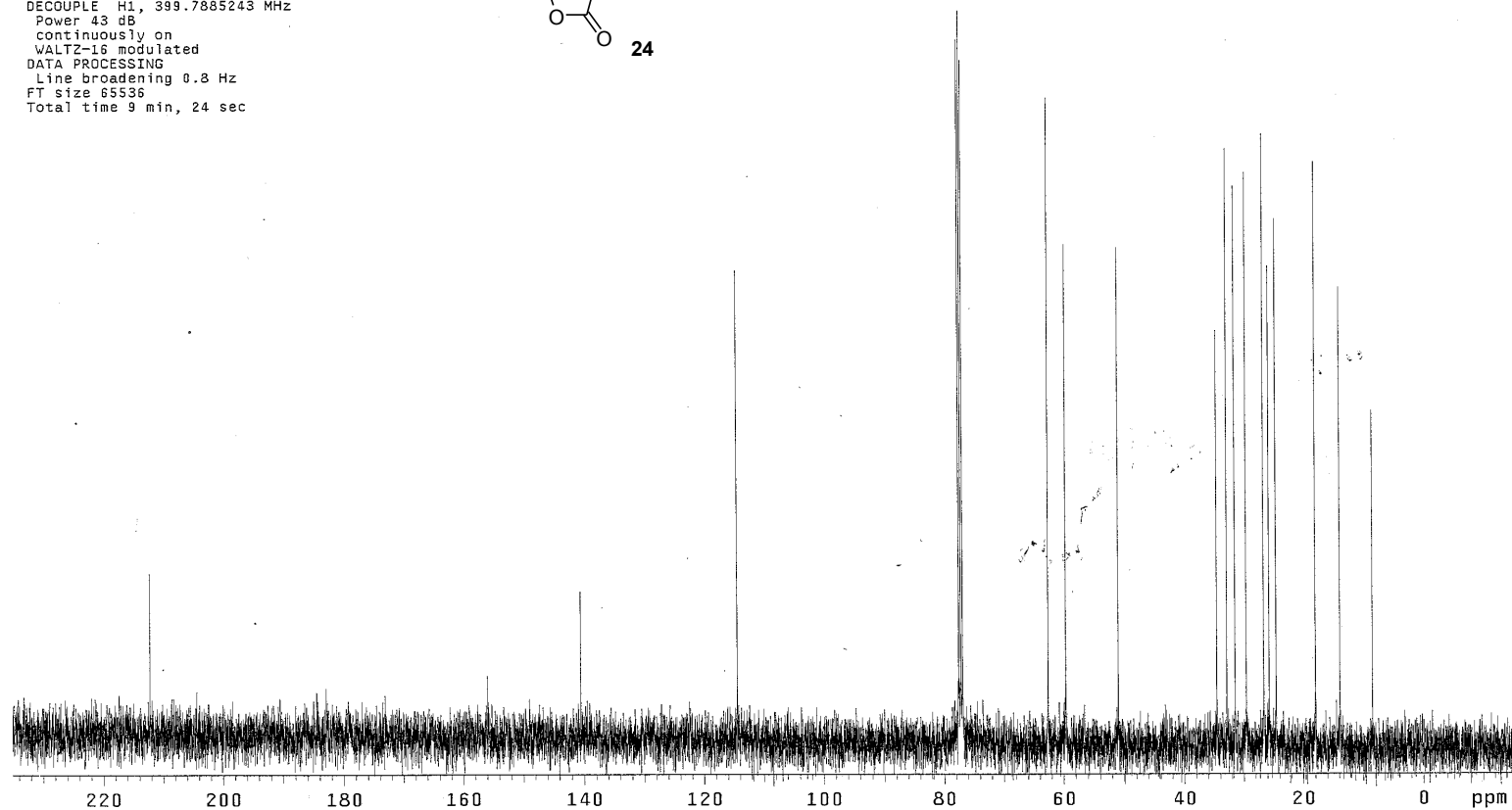
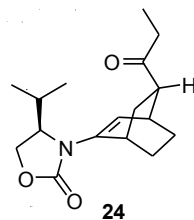
20130429-P90_30Apr2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130429-P90_30Apr2013

Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
256 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 min, 24 sec



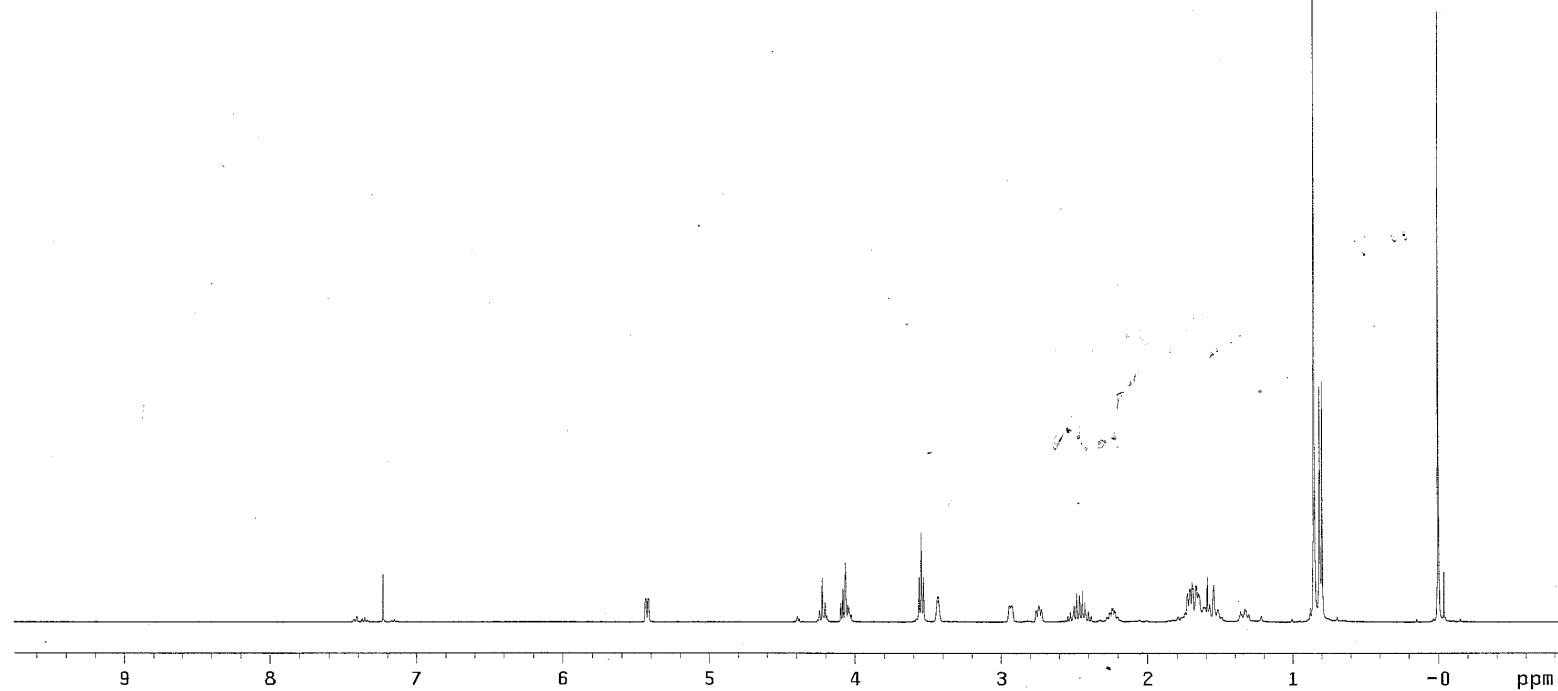
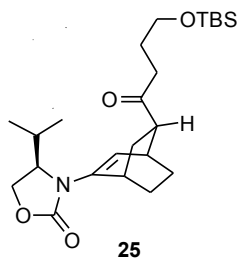
20130506-P107_07May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130506-P107_07May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865362 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



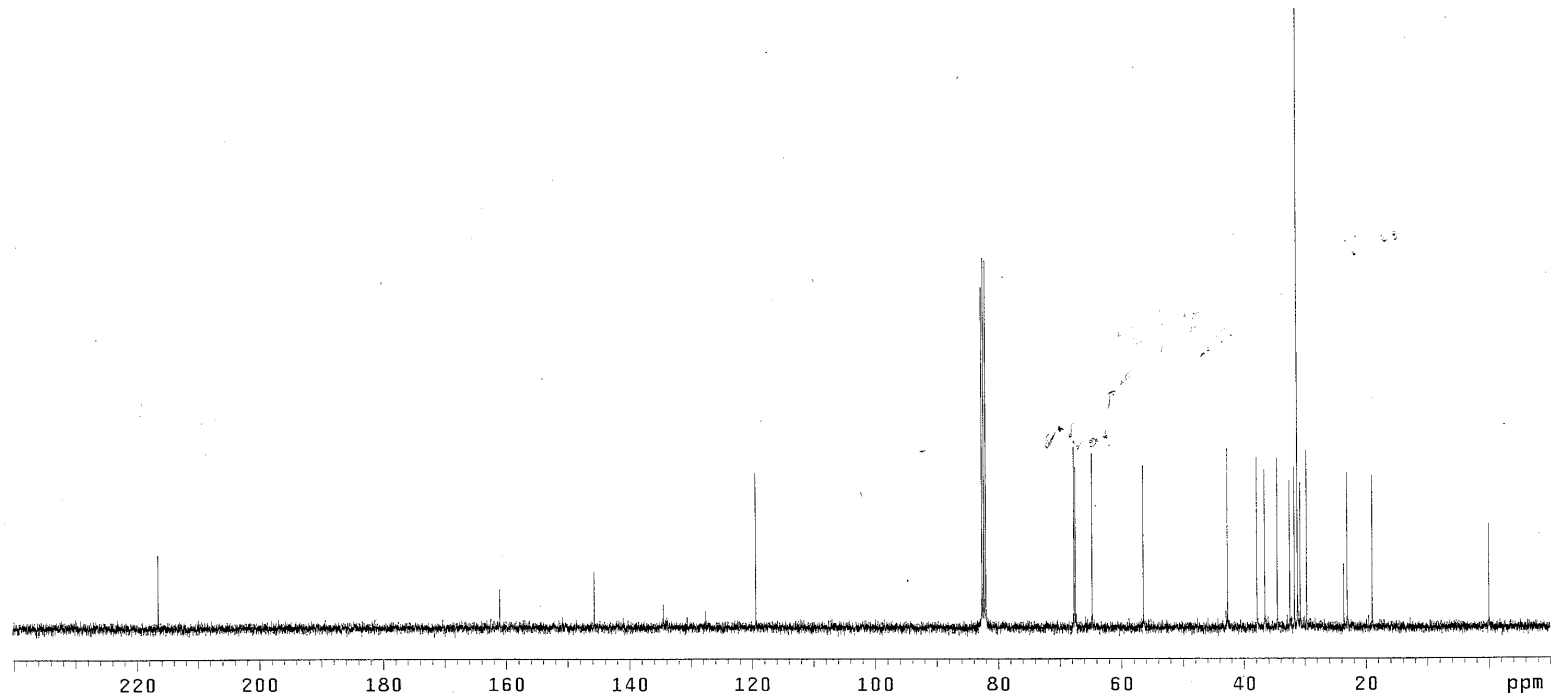
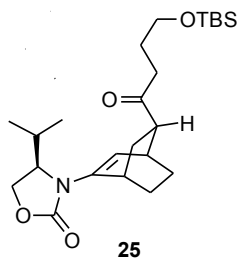
20130506-P107-C_07May2013-22:02:15

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130506-P107-C_07May2013-22:02:15

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
1000 repetitions
OBSERVE C13, 100.5258643 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
Continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 36 min, 45 sec



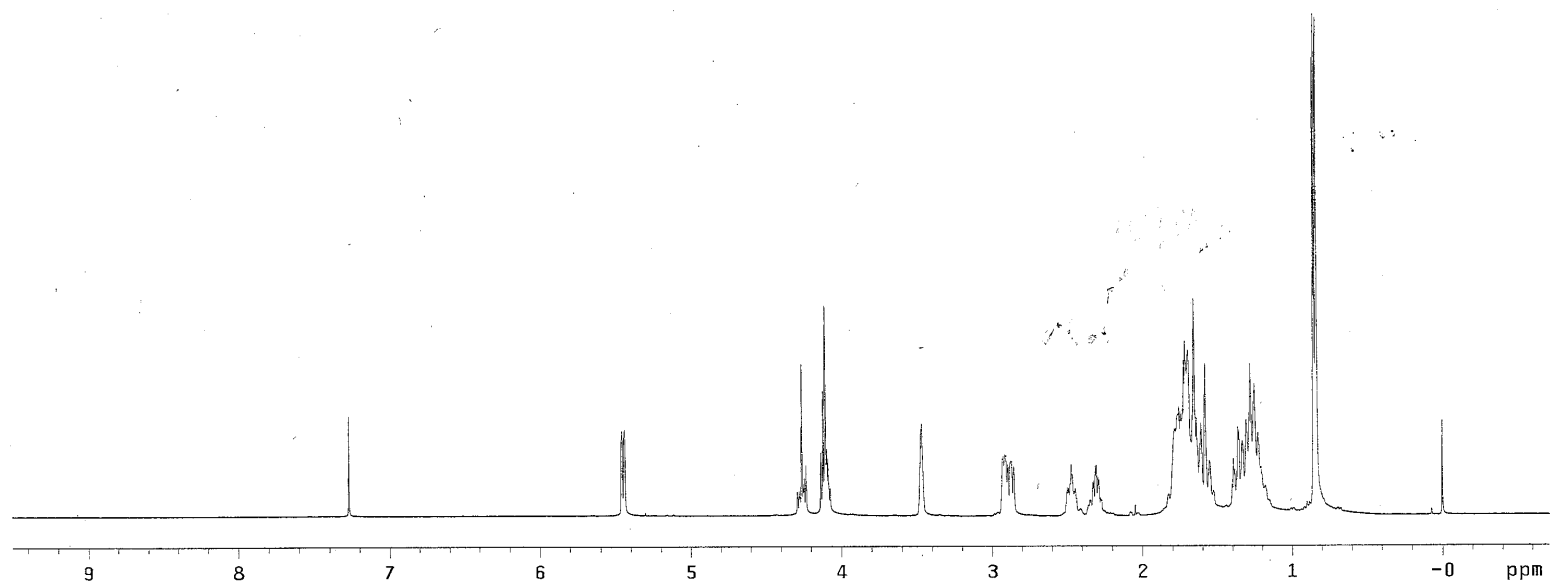
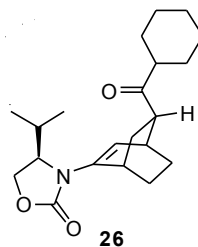
20130509-P116-1_10May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130509-P116-1_10May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865196 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



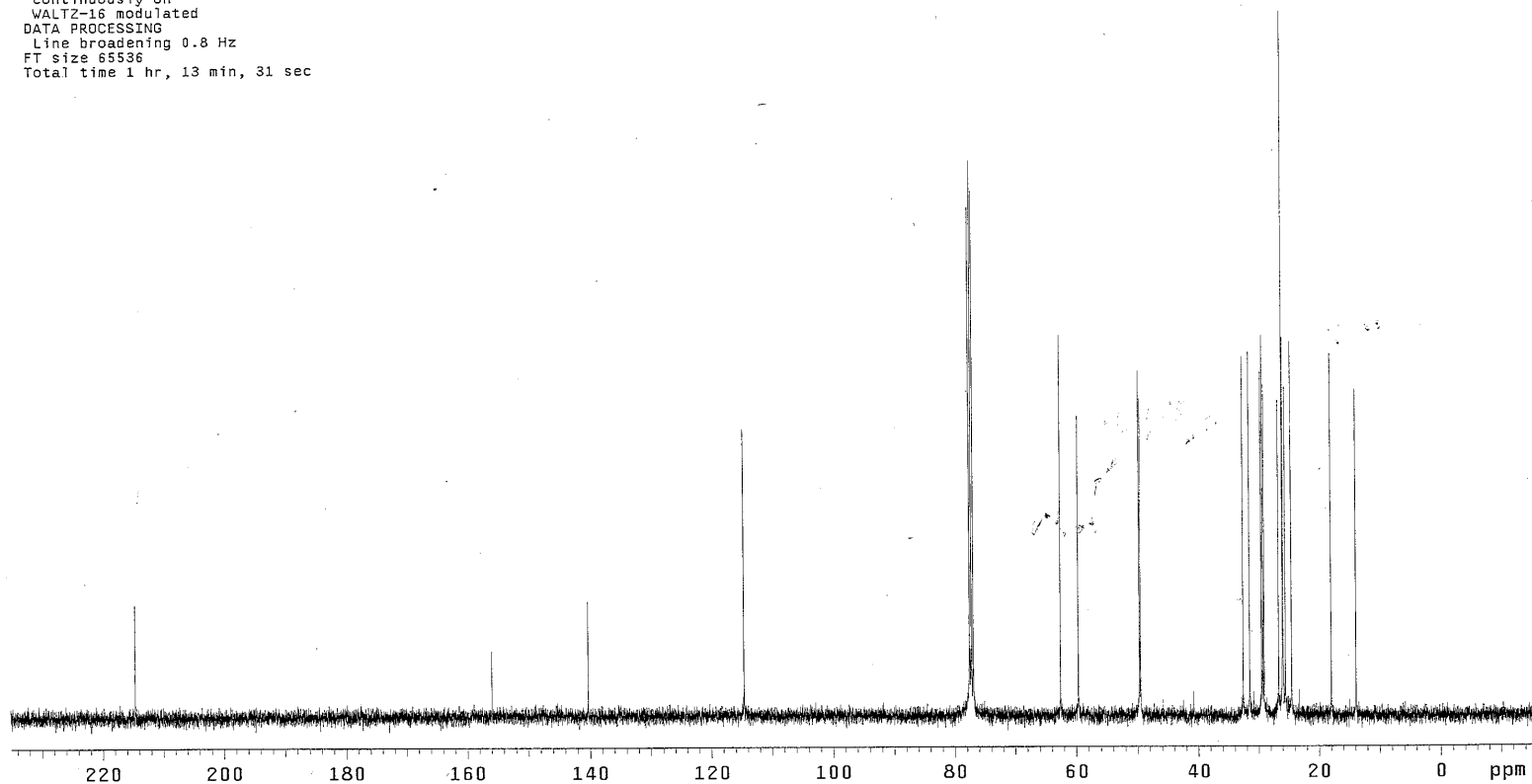
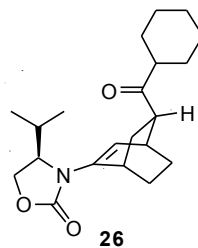
20130509-P116-1-C_10May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130509-P116-1-C_10May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec



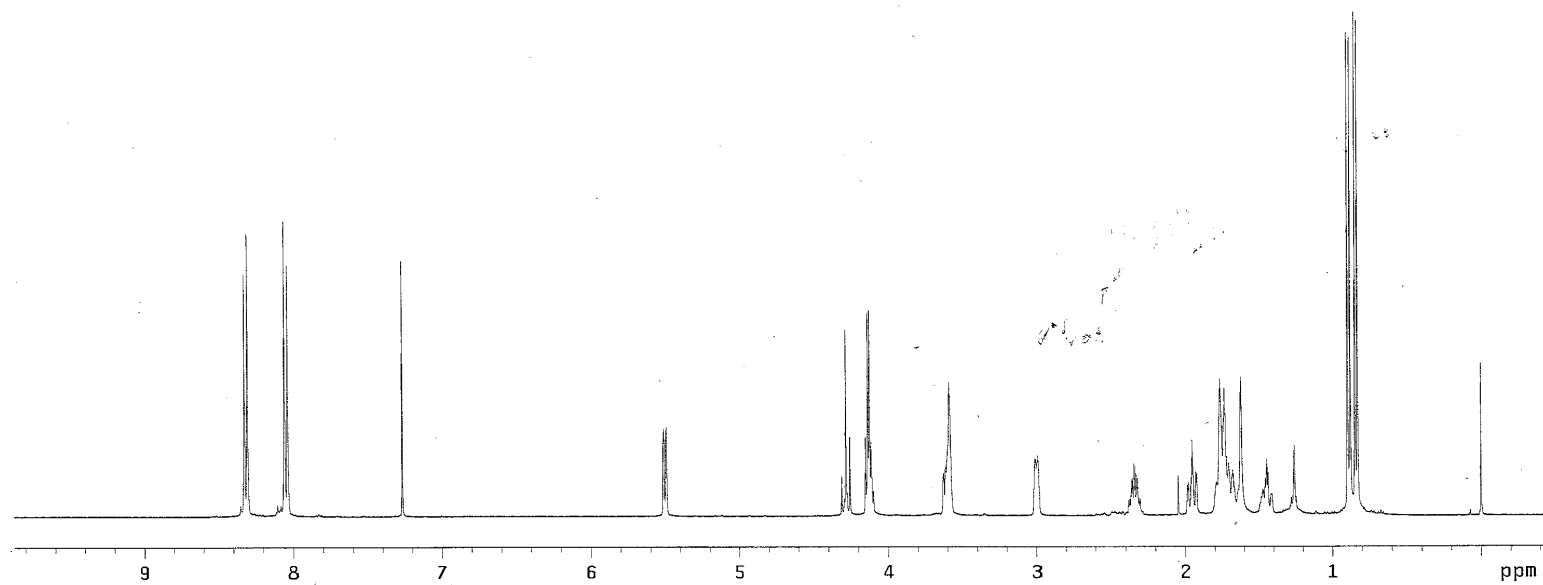
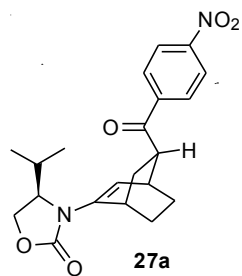
20130519_i-Pr-NO2-UP

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130519_i-Pr-NO2-UP

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865208 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



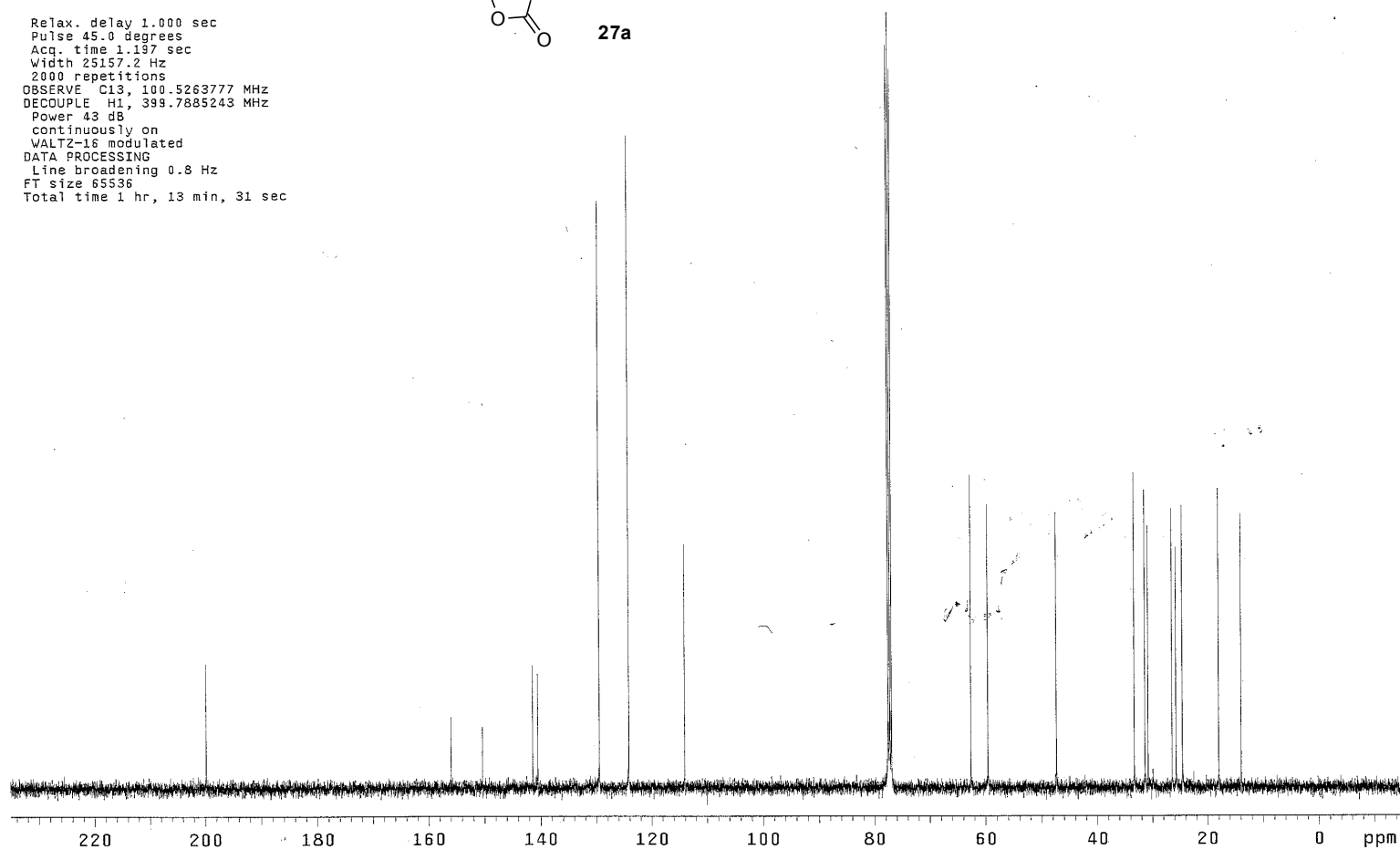
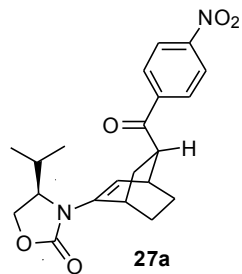
20130519_i-Pr-NO2-UP

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130519_i-Pr-NO2-UP

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec



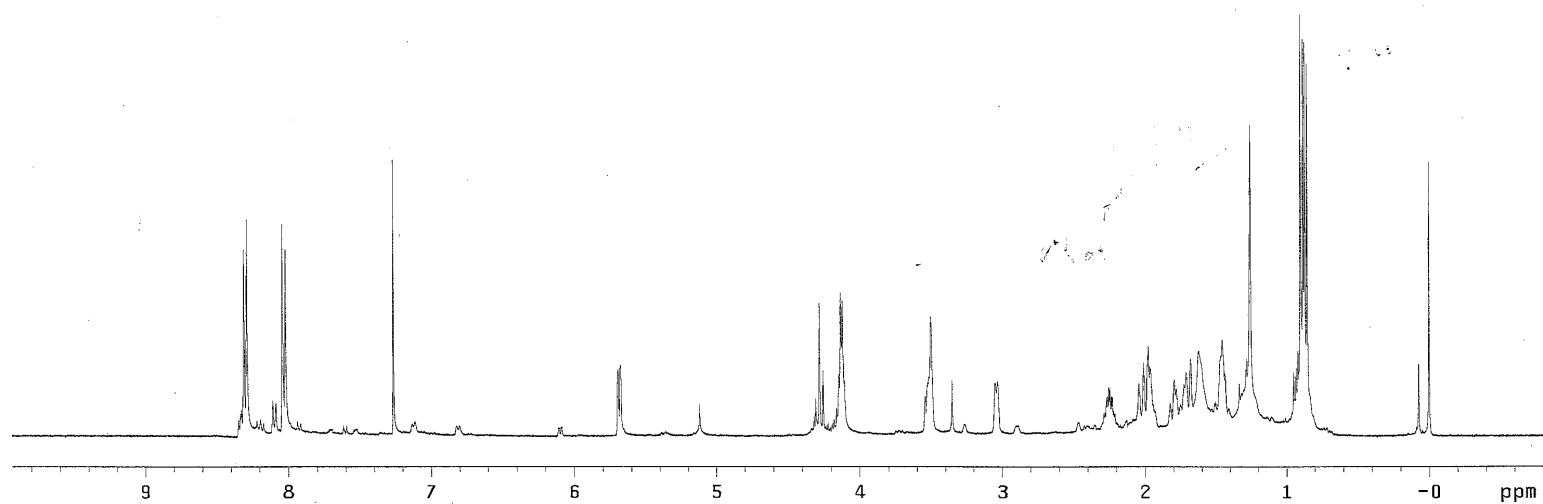
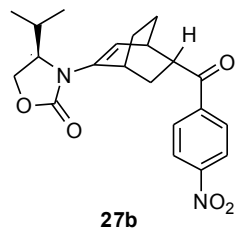
IPr-NO2-down_12Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: IPr-NO2-down_12Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865220 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



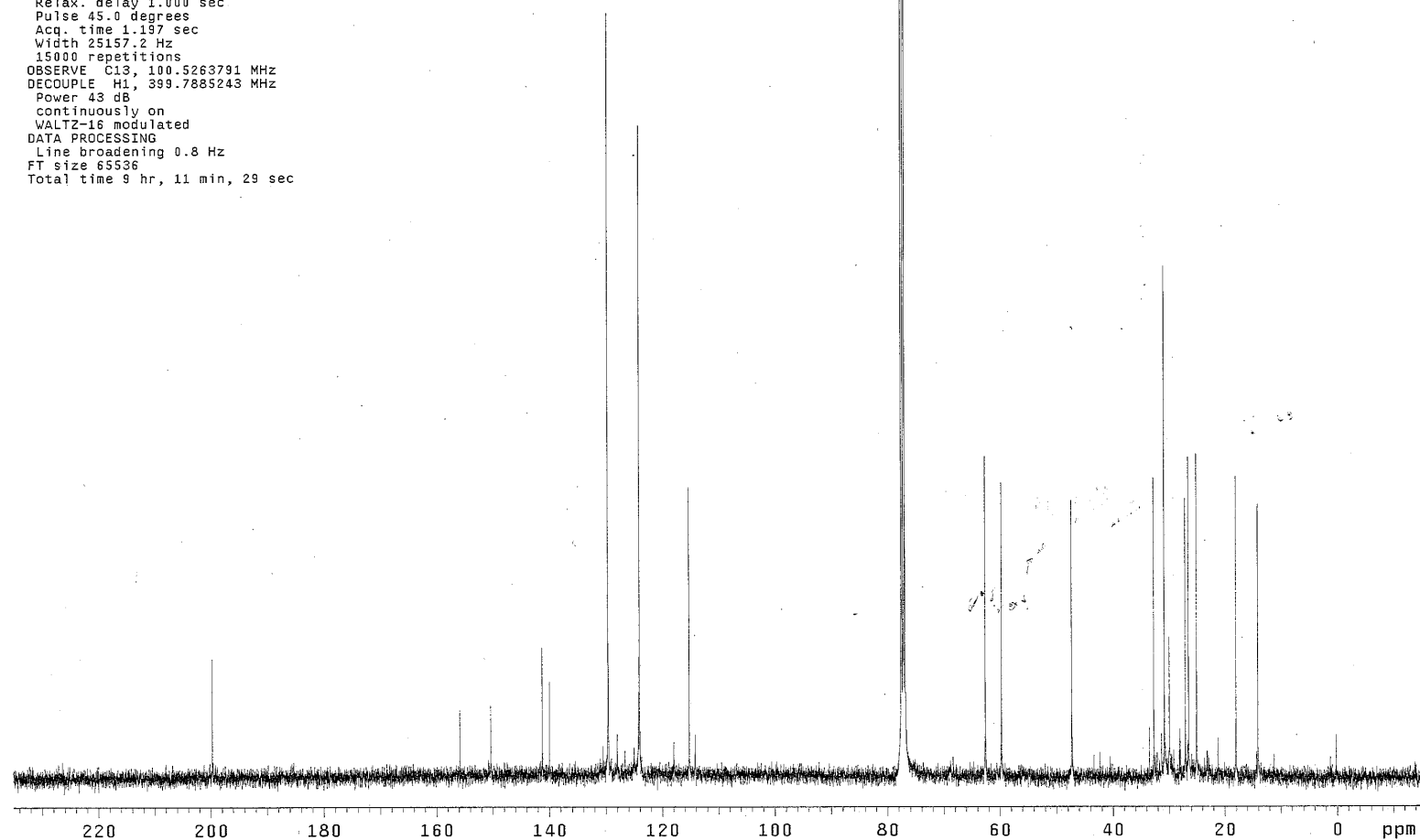
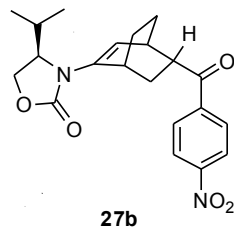
IPr-NO2-down-C_12Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: IPr-NO2-down-C_12Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp: 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
15000 repetitions
OBSERVE C13, 100.5263791 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 hr, 11 min, 29 sec



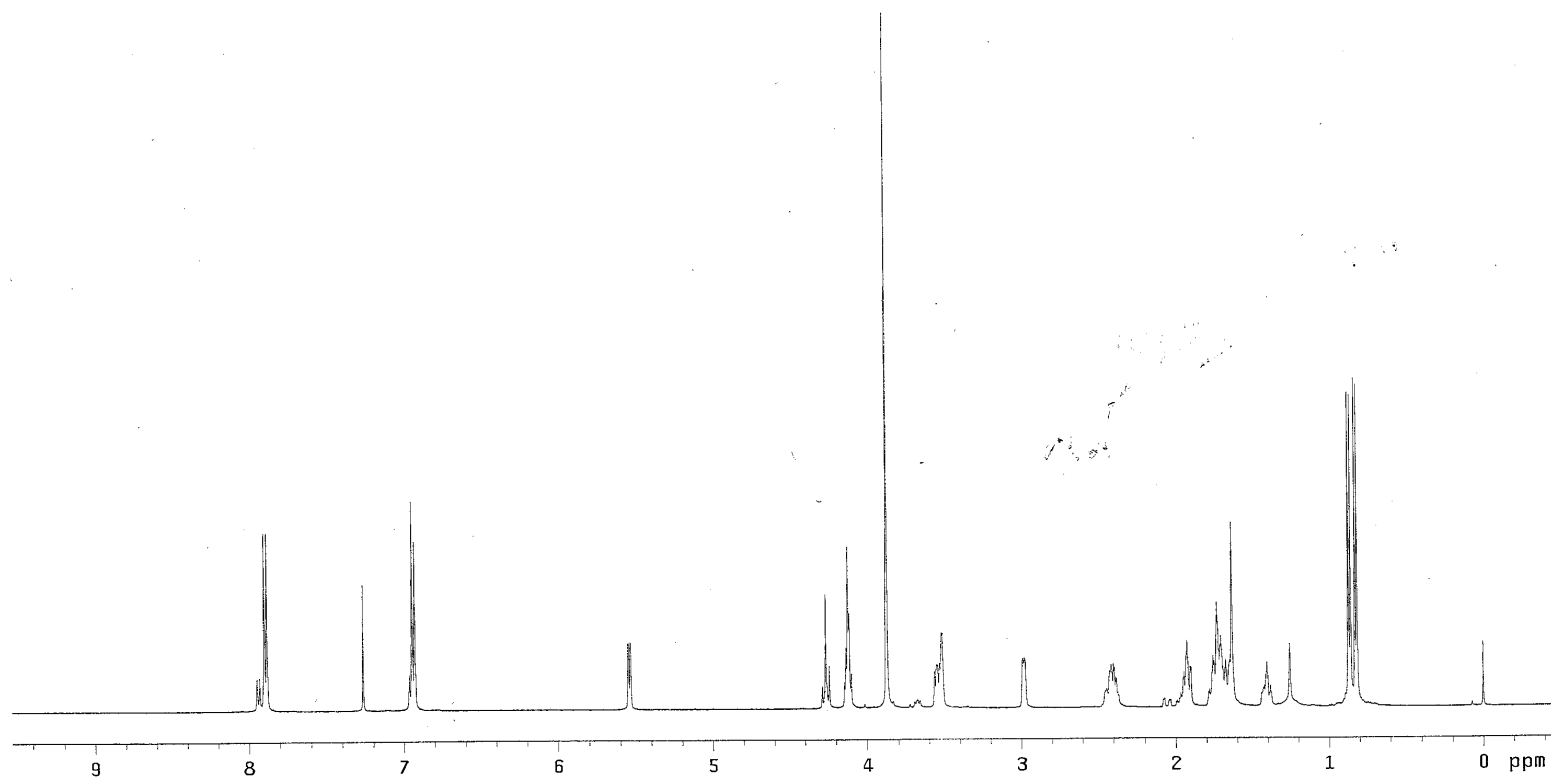
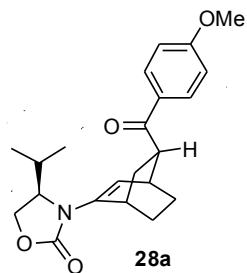
20130531-P152-1_01Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130531-P152-1_01Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288131 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec

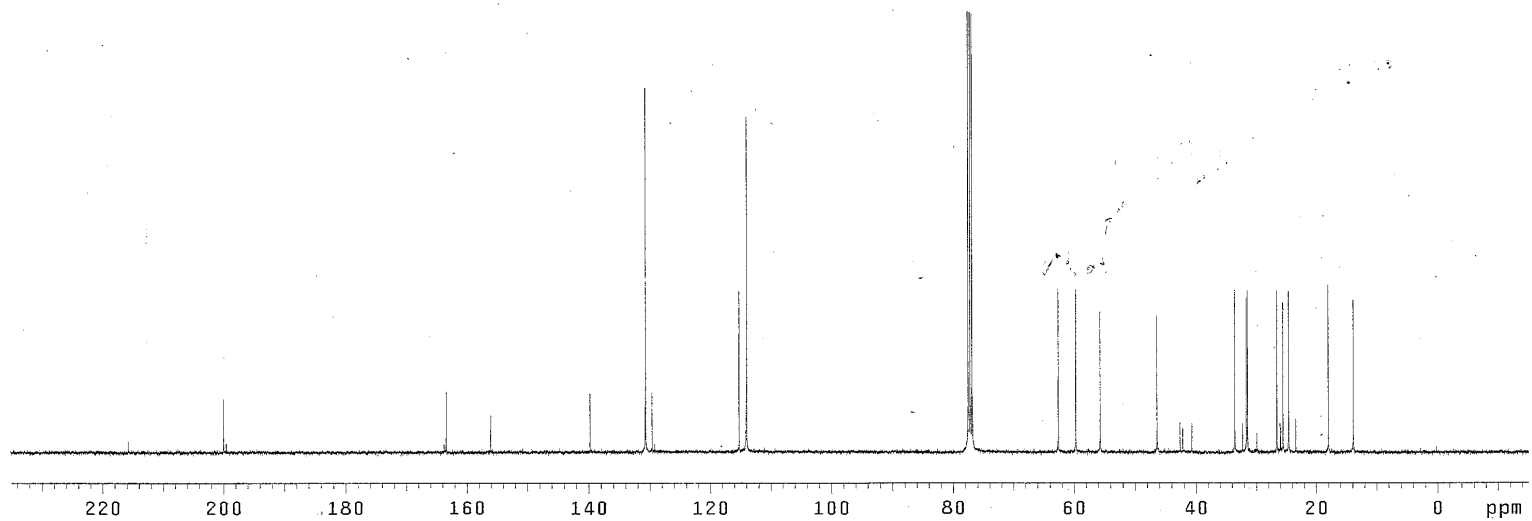
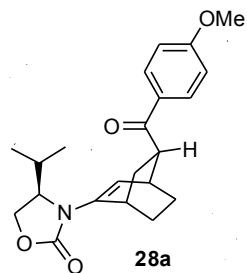


20130531-P152-1_02Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130531-P152-1_02Jun2013
File: CARBON

Pulse Sequence: s2pu1
Solvent: CDCl3
Temp. 25.0 C / 298.1 K
INNOVA-400 "ui400"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
15000 repetitions
OBSERVE C13, 100.5263791 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
VALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 9 hr, 11 min, 29 sec



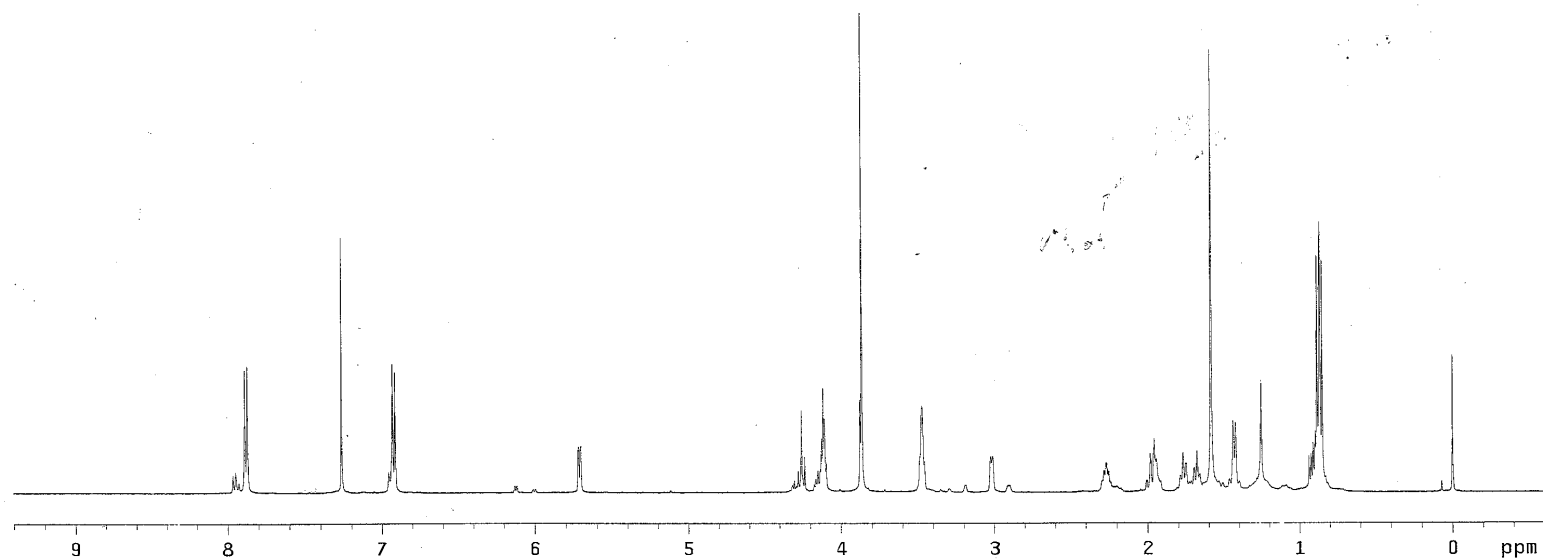
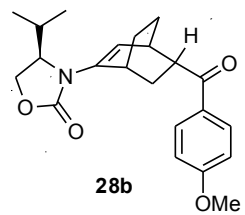
20130531-P152-2_01Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130531-P152-2_01Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288153 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec



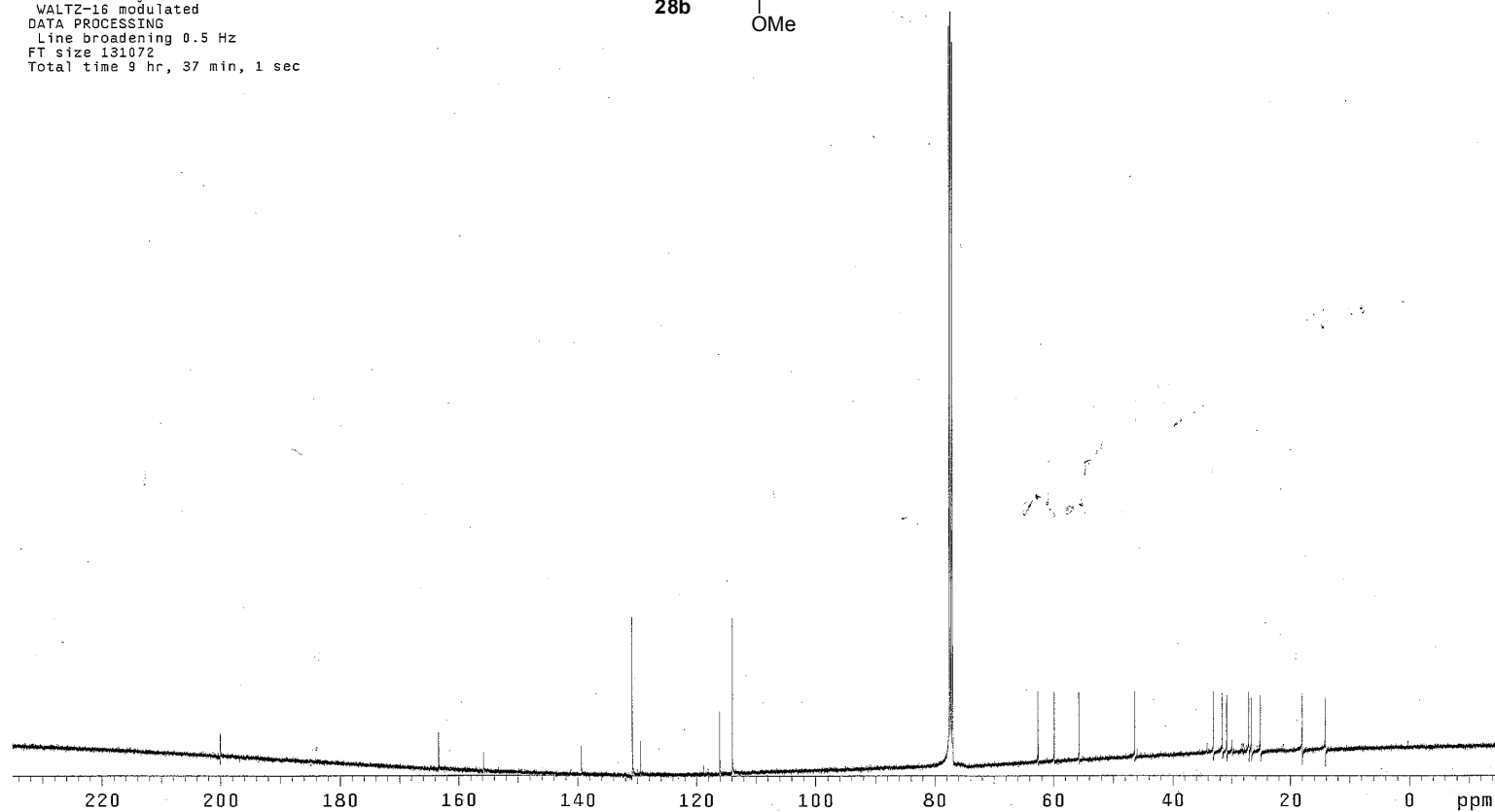
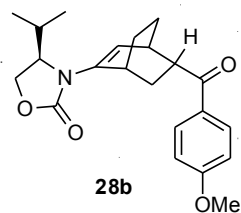
20130531-P152-2_02Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130531-P152-2_02Jun2013
File: CARBON

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "u1500"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
15000 repetitions
OBSERVE C13, 125.6568819 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 9 hr, 37 min, 1 sec



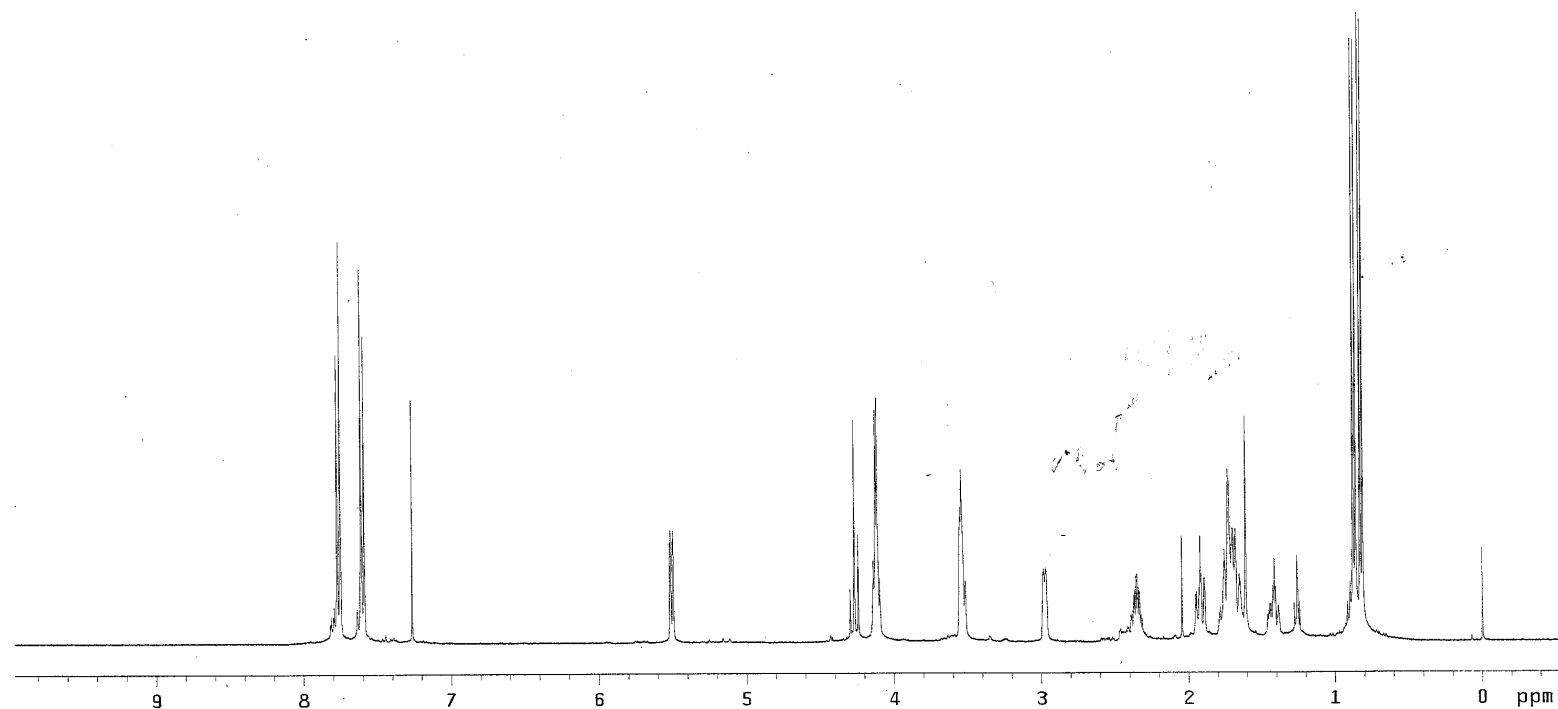
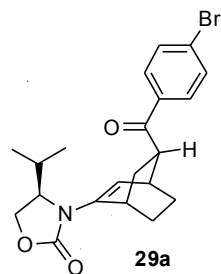
20130427-P89-1_28Apr2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130427-P89-1_28Apr2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865224 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



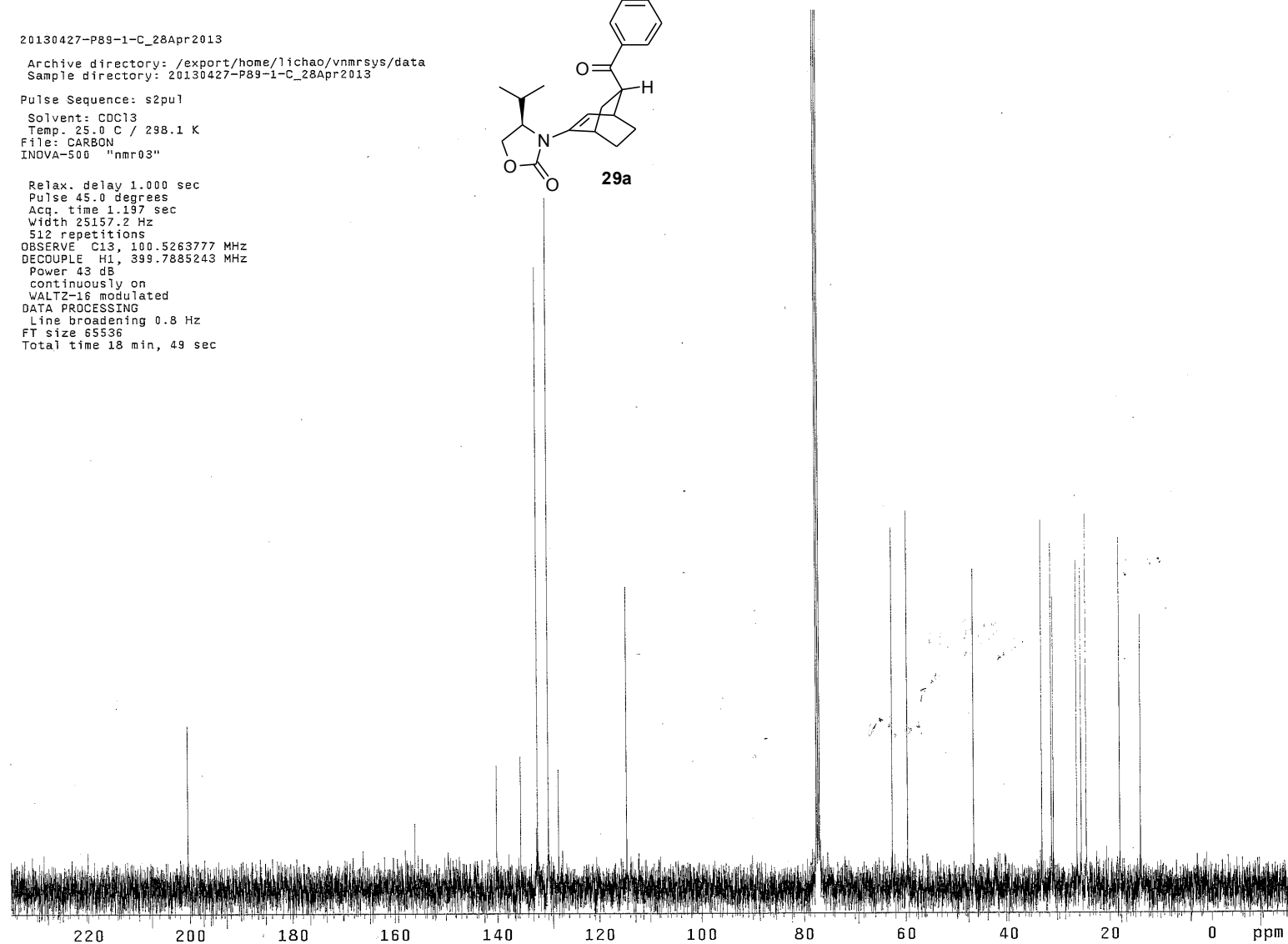
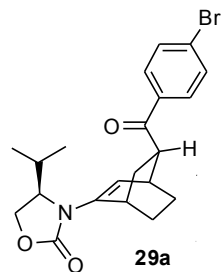
20130427-P89-1-C_28Apr2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130427-P89-1-C_28Apr2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
512 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 18 min, 49 sec



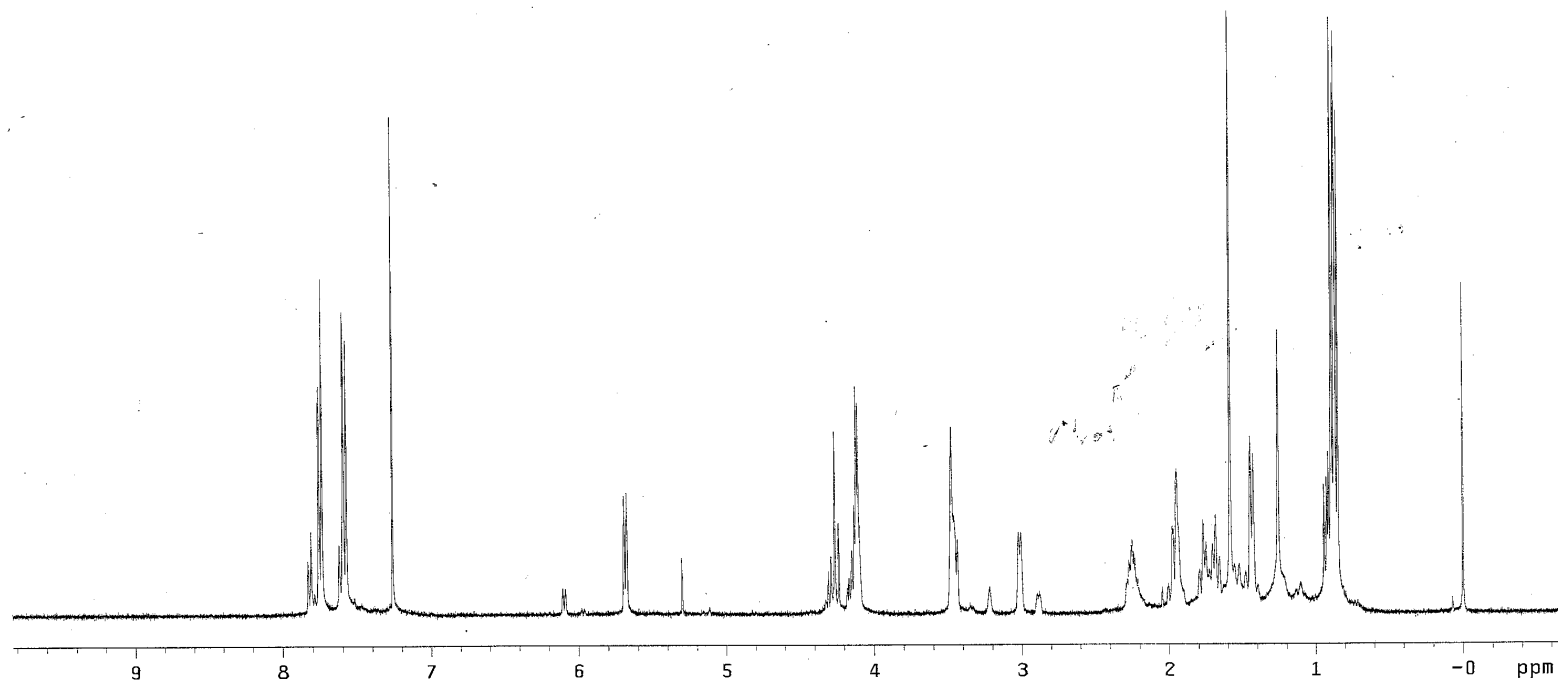
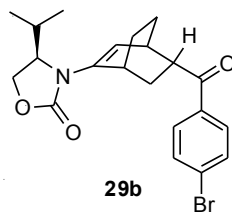
i-Pr-Br-Down_27May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: i-Pr-Br-Down_27May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865229 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



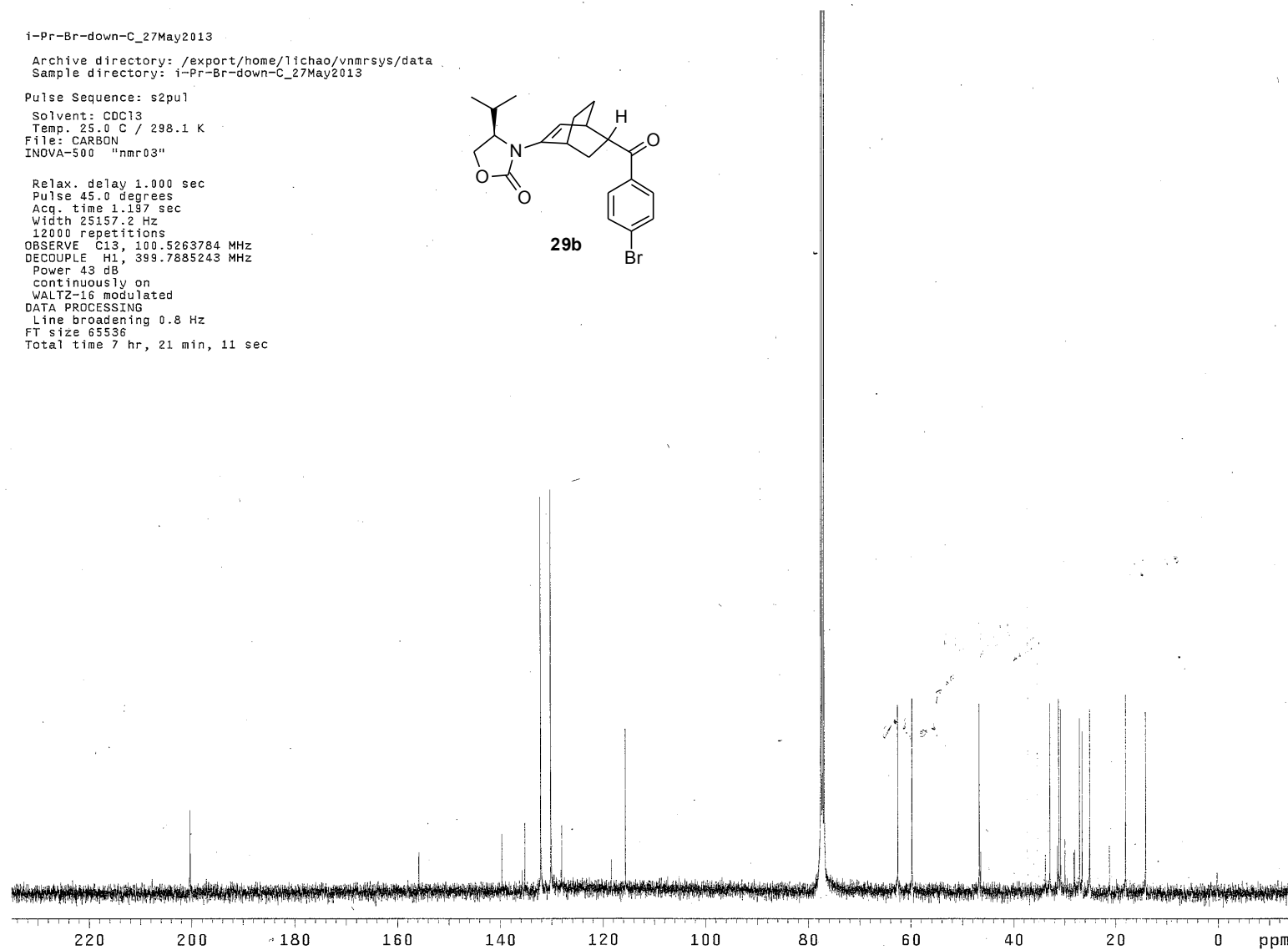
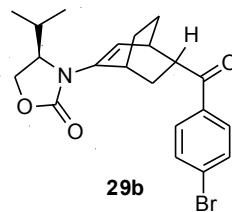
i-Pr-Br-down-C_27May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: i-Pr-Br-down-C_27May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp: 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
12000 repetitions
OBSERVE C13, 100.5263784 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 7 hr, 21 min, 11 sec



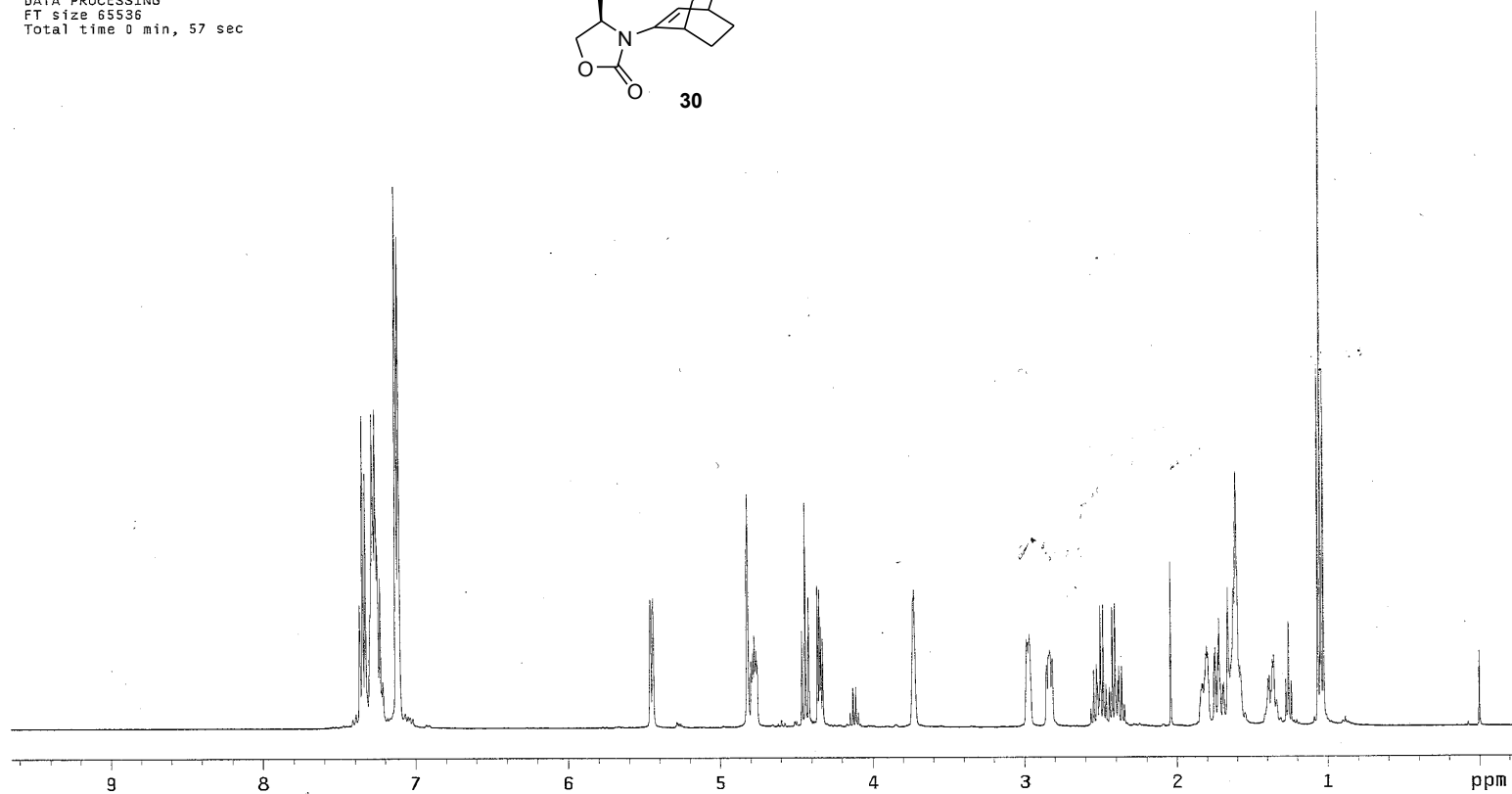
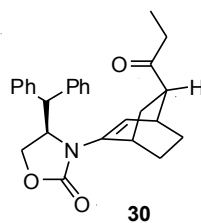
20130517_Sibi-Et-DA

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130517_Sibi-Et-DA

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865251 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



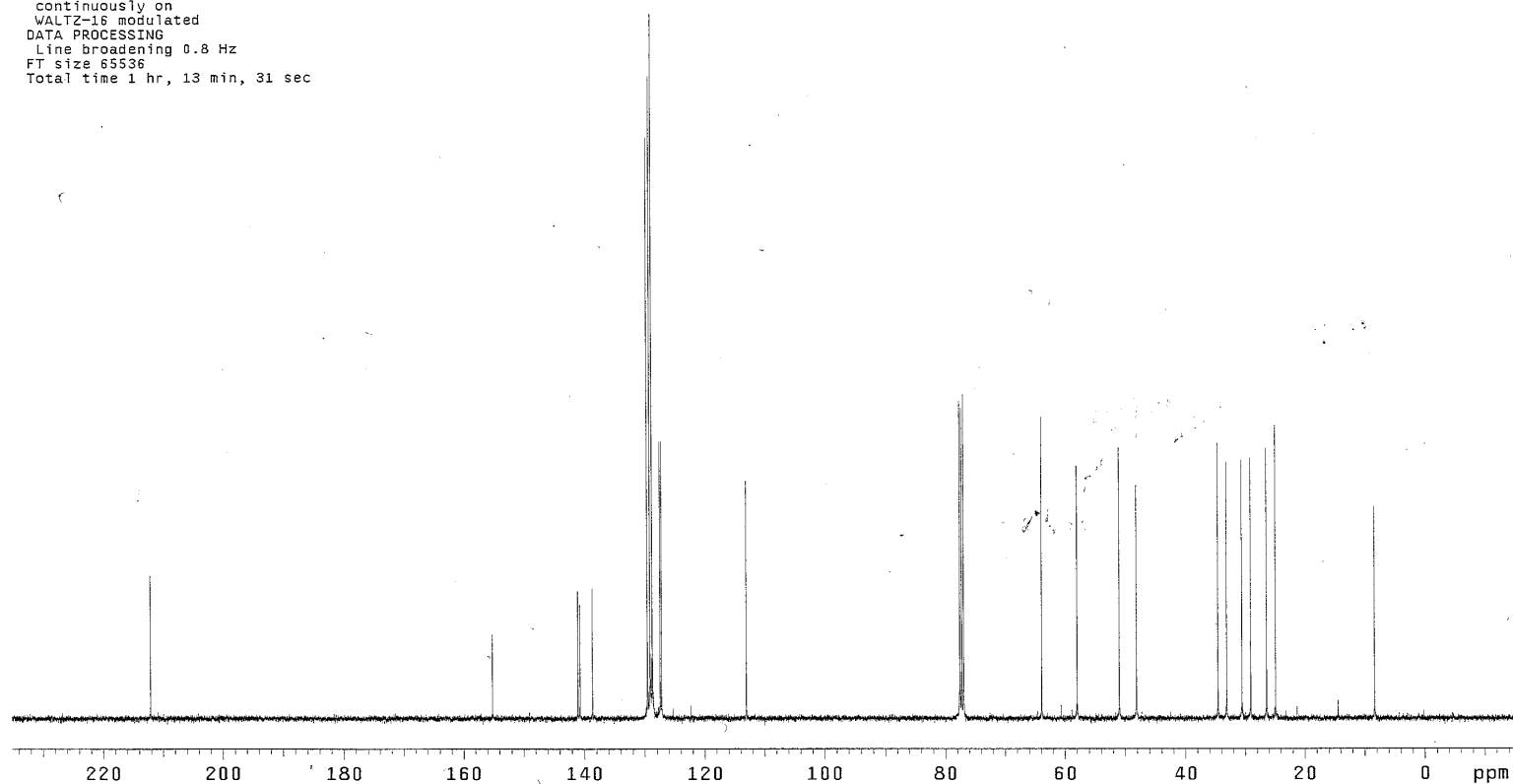
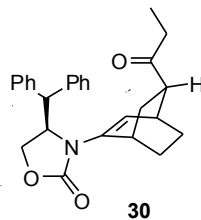
20130517_Sibi-Et-DA

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130517_Sibi-Et-DA

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp: 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec



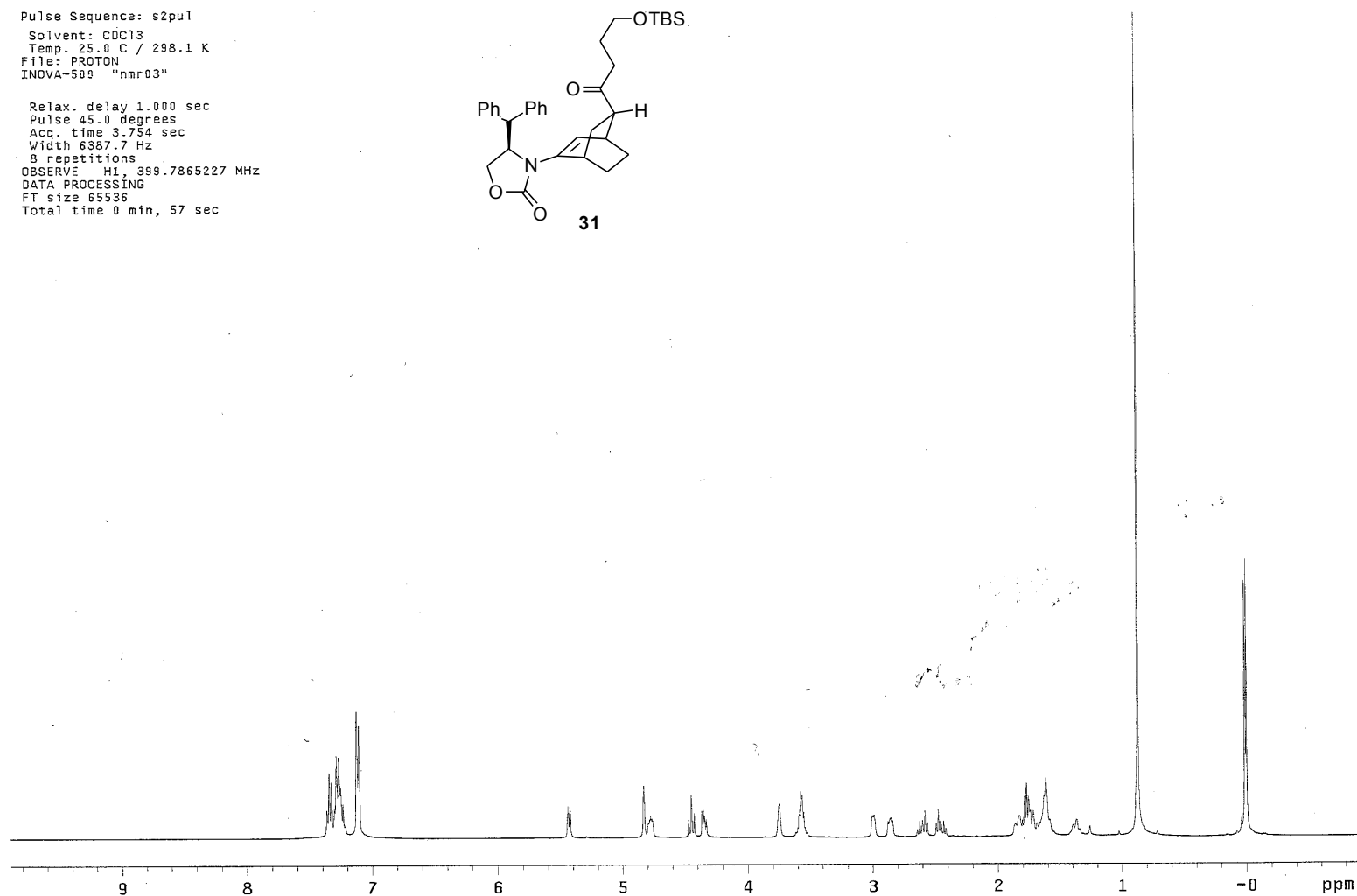
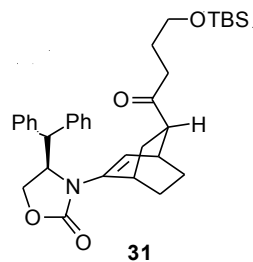
20130510-P118_12May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130510-P118_12May2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865227 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



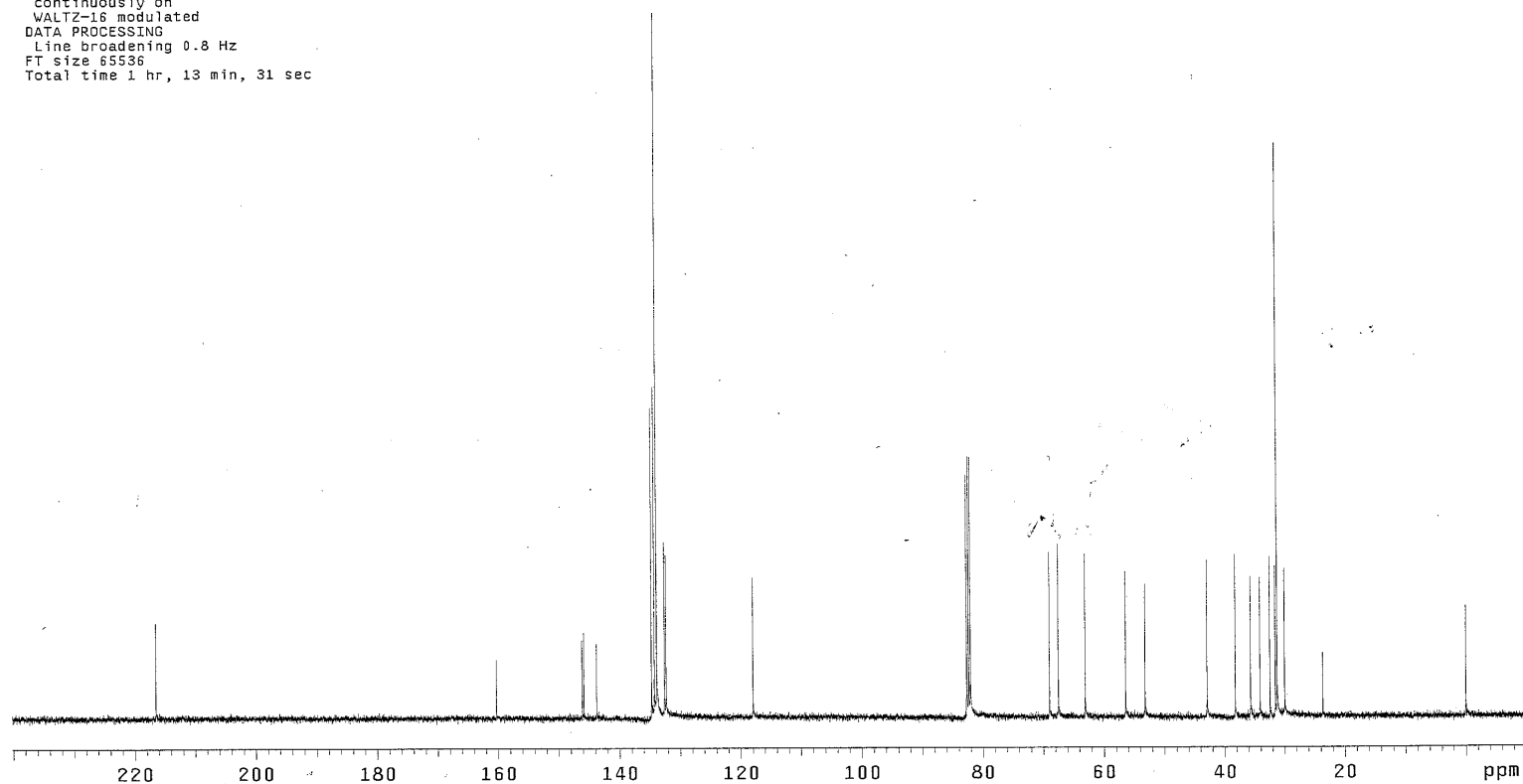
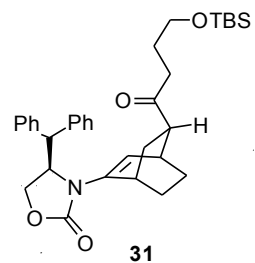
20130510-p118-1-C_12May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130510-p118-1-C_12May2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5258612 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec



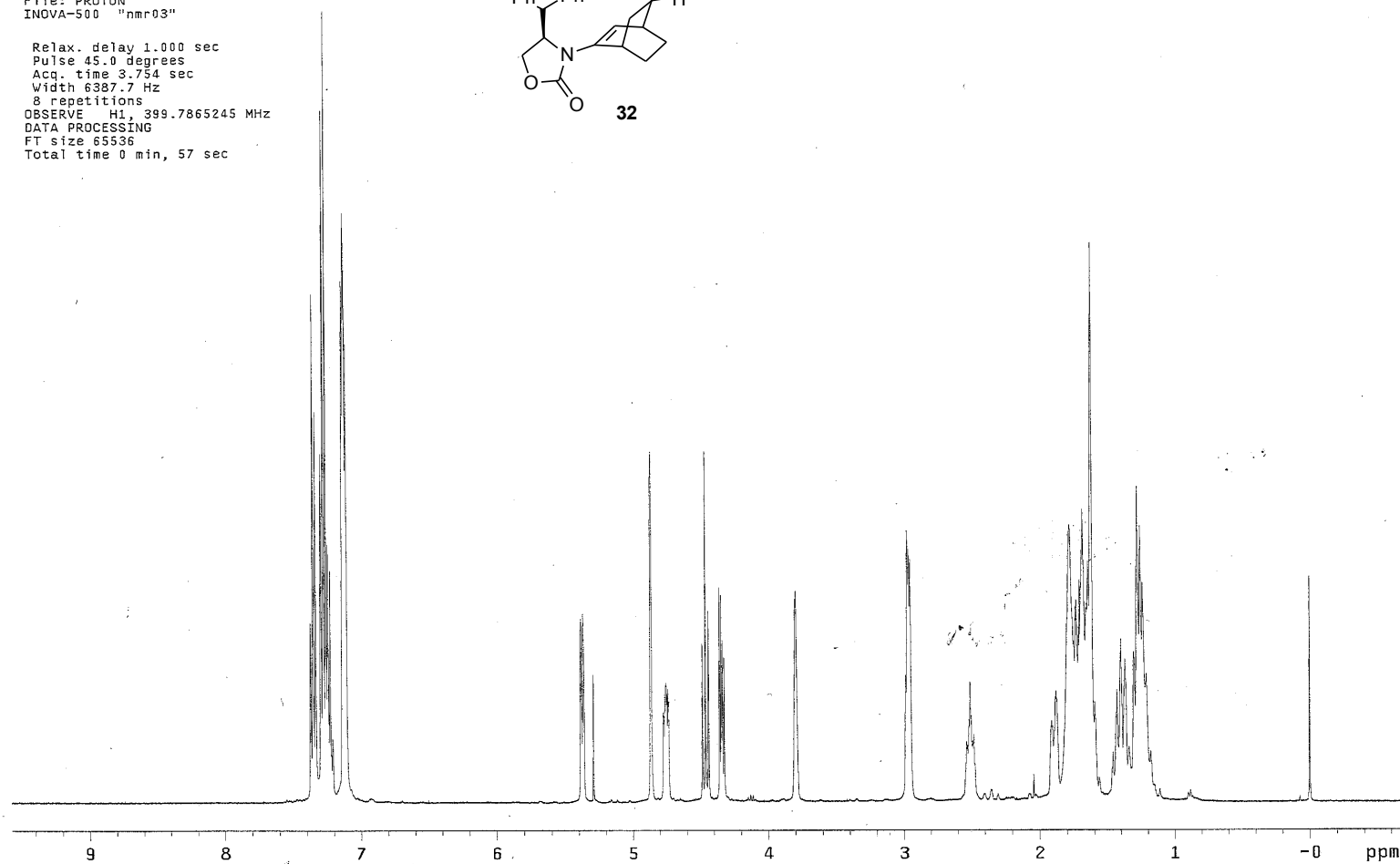
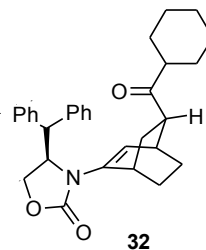
20130517_Sibi-Cy-DA

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130517_Sibi-Cy-DA

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865245 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



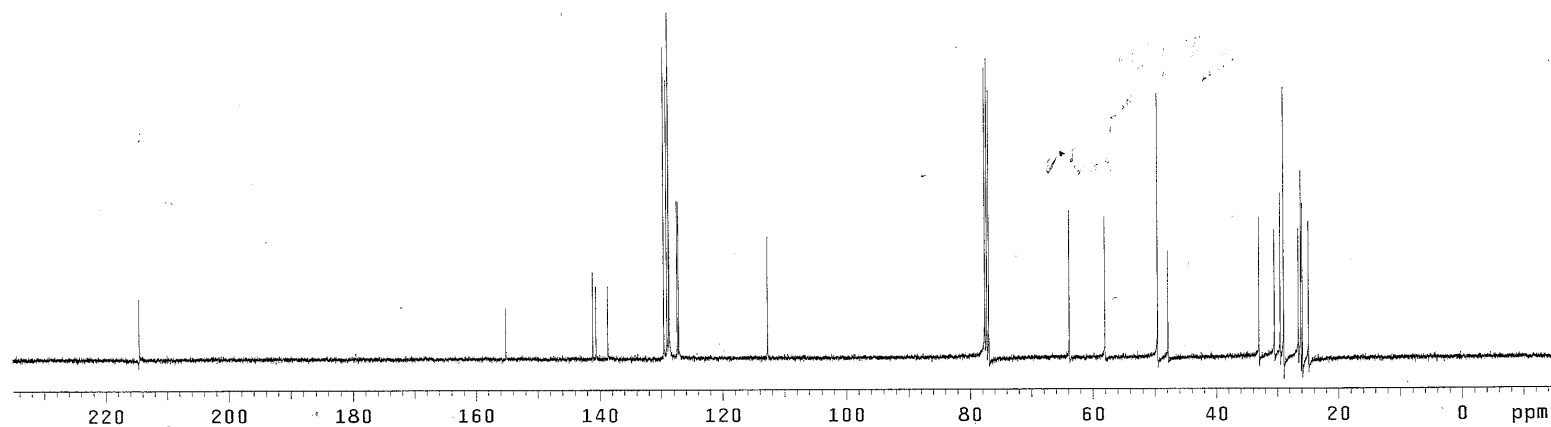
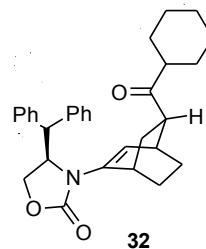
20130517_Sibi-Cy-DA-C

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130517_Sibi-Cy-DA-C

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec

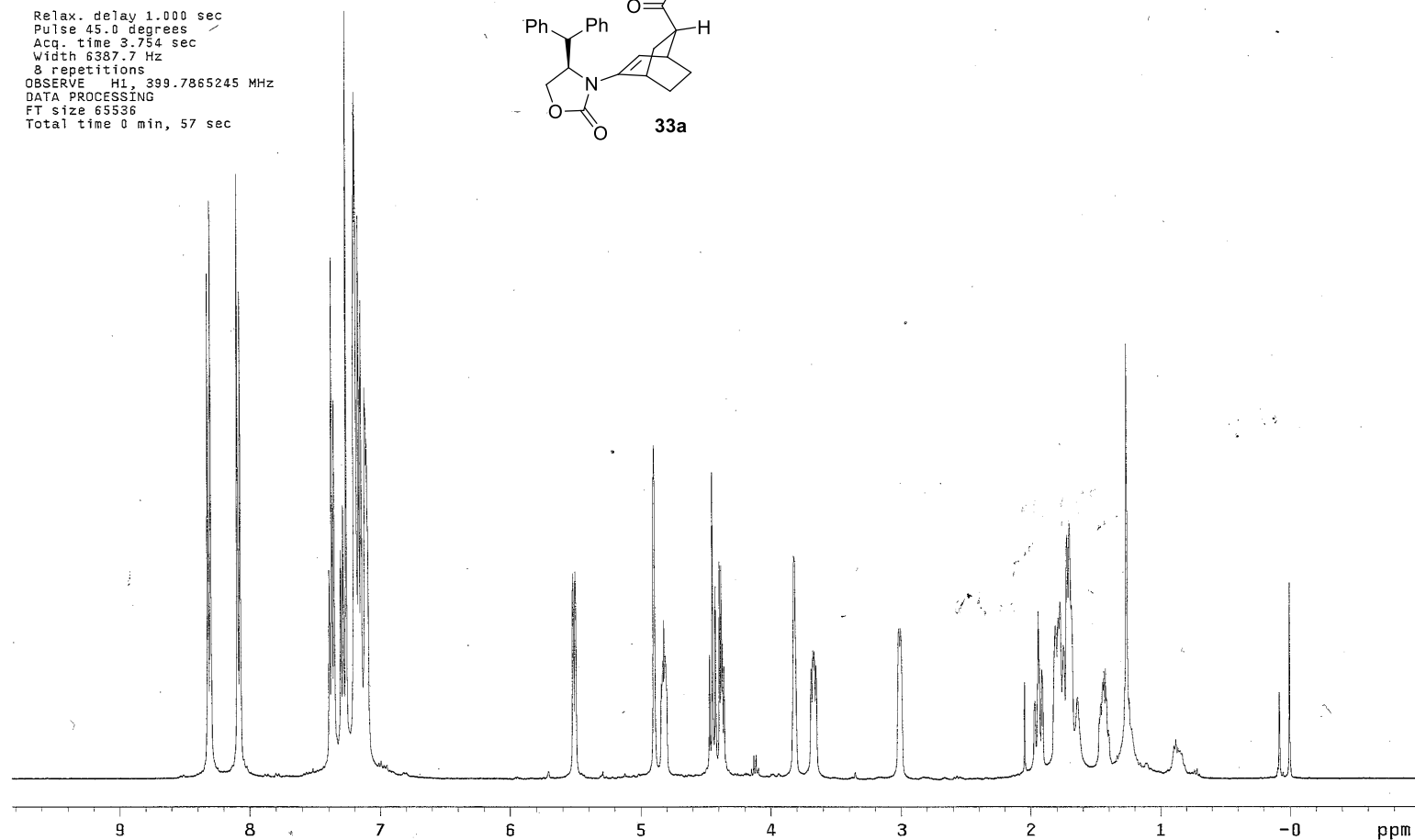
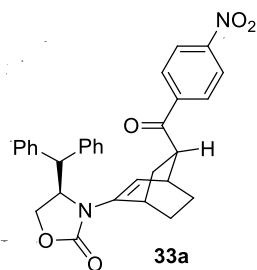


20130604-P158-1_05Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130604-P158-1_05Jun2013

Pulse Sequence: s2pul
Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865245 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



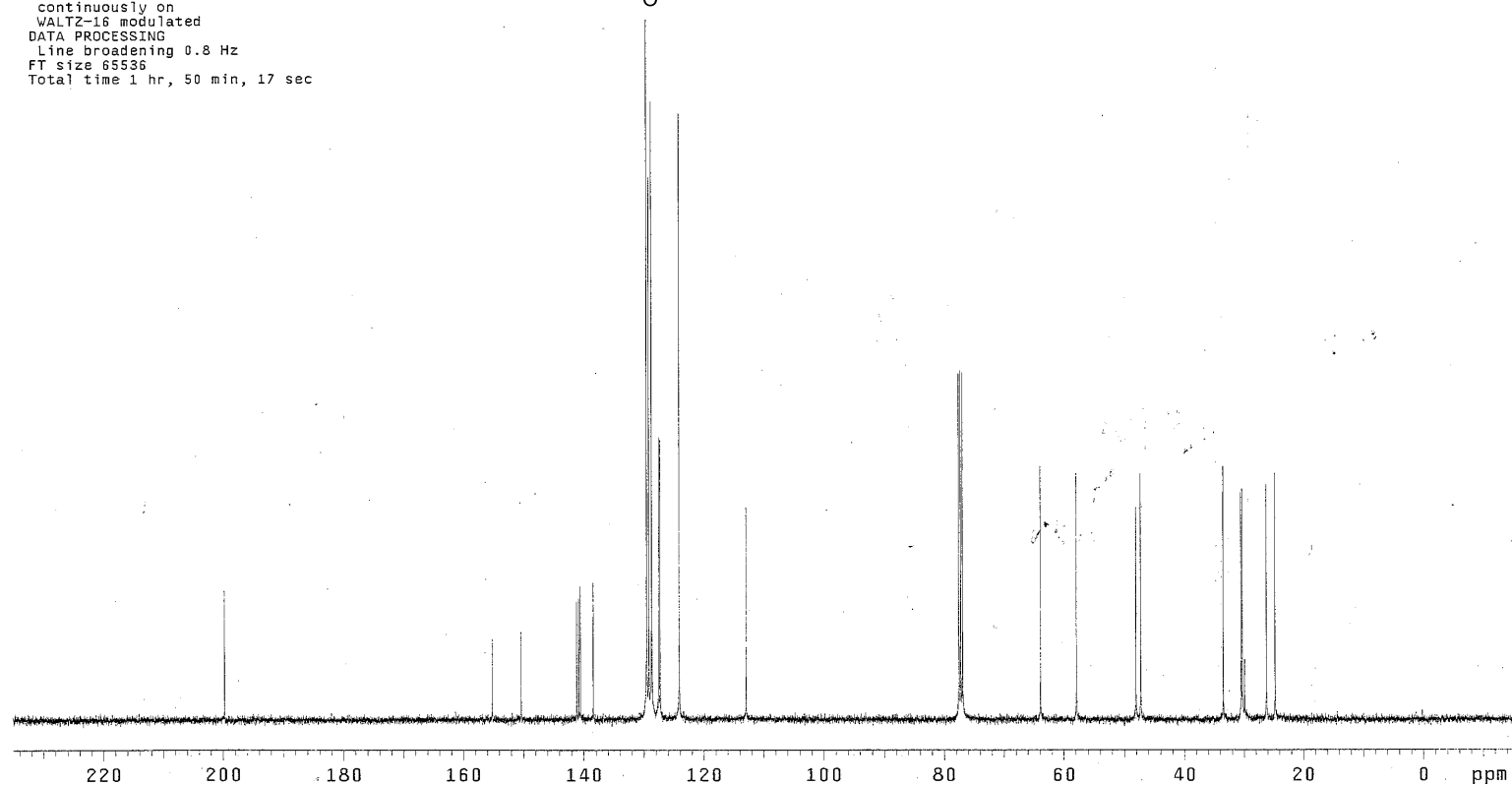
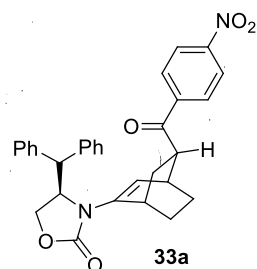
20130604-P158-1-C_05Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130604-P158-1-C_05Jun2013
File: CARBON

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
INOVA-400 "ui400"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
3000 repetitions
OBSERVE C13, 100.5263822 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
VALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 50 min, 17 sec



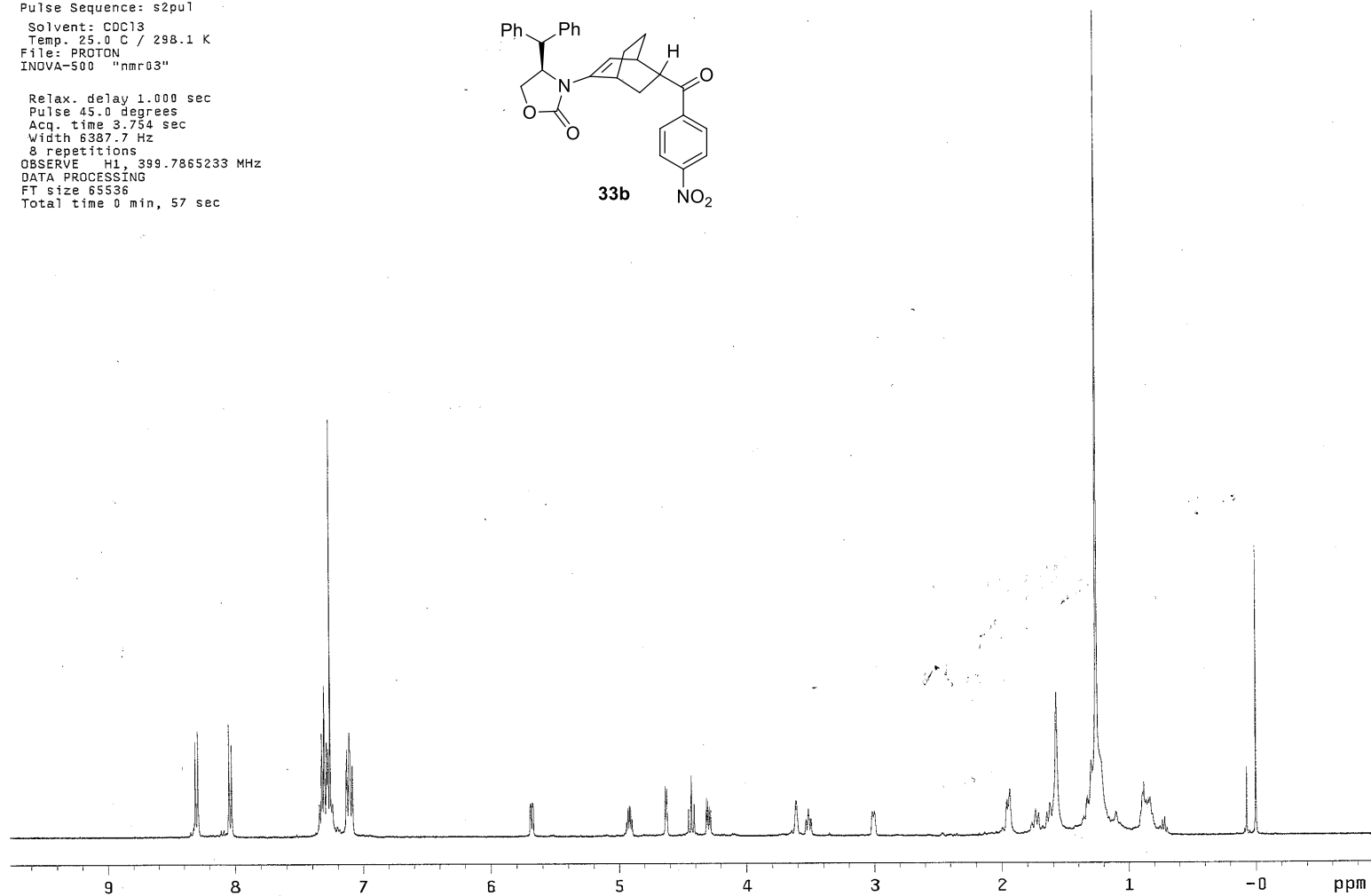
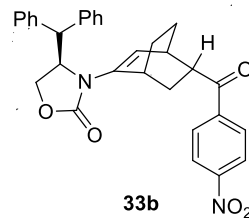
20130604-P158-2-H_05Jun2013

Archive directory: /export/home/lichao/vnmr/sys/data
Sample directory: 20130604-P158-2-H_05Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865233 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



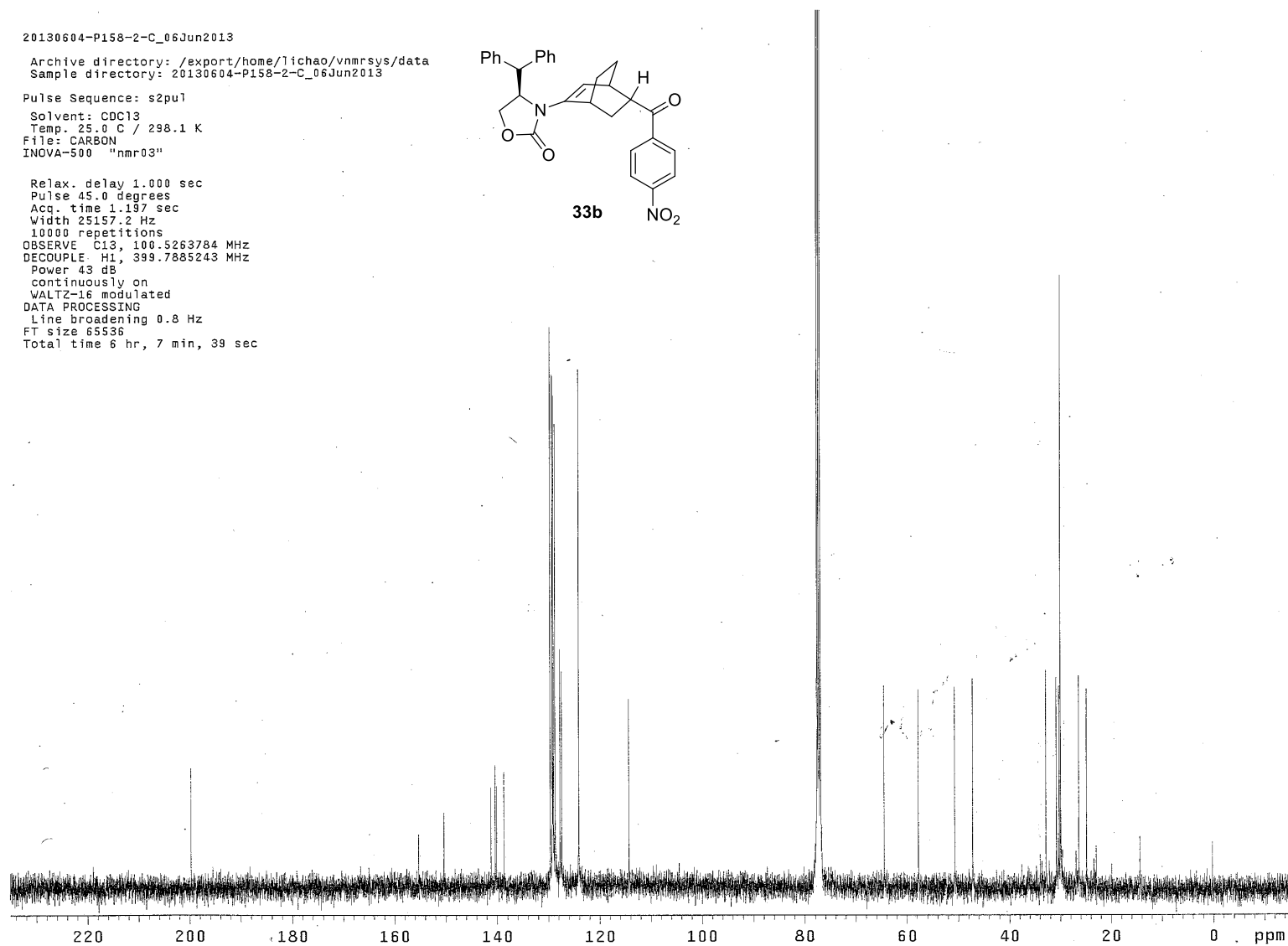
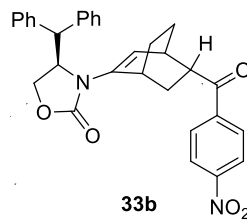
20130604-P158-2-C_06Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130604-P158-2-C_06Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
10000 repetitions
OBSERVE C13, 100.5263784 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 6 hr, 7 min, 39 sec



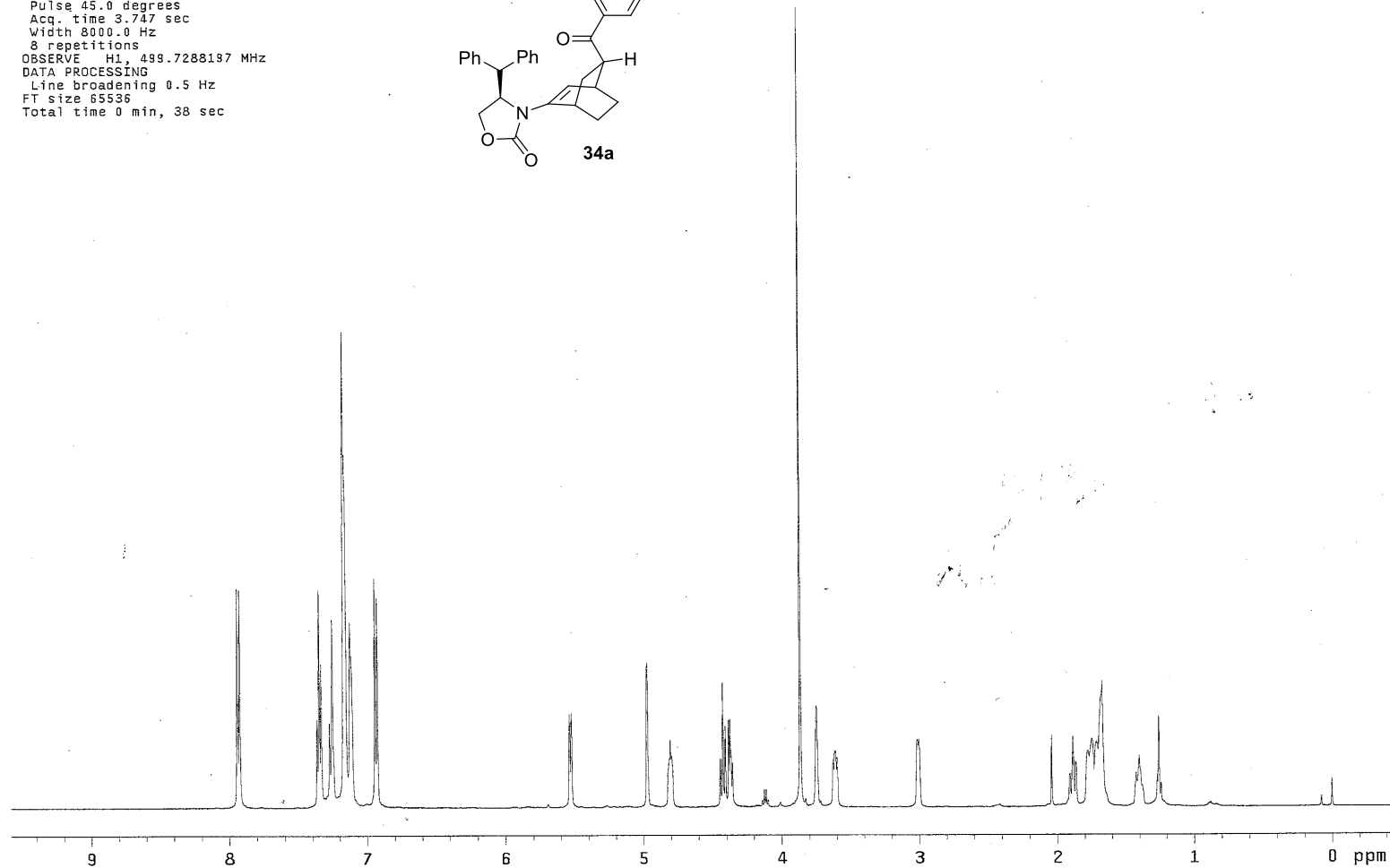
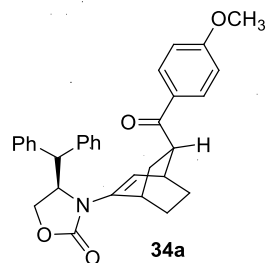
20130531-P153-1_01Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130531-P153-1_01Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288197 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec



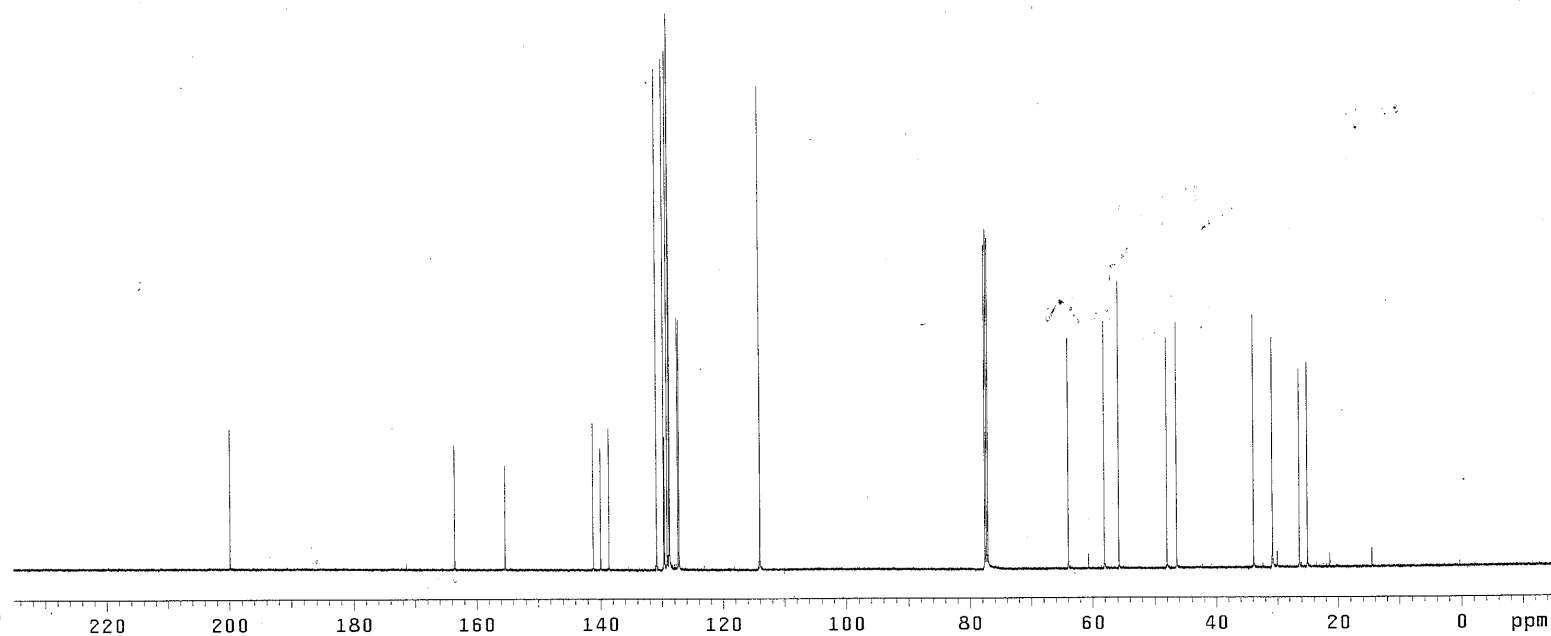
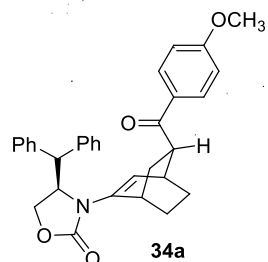
20130531-P153-1-C_01Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130531-P153-1-C_01Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
User: 1-14-87
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
4000 repetitions
OBSERVE C13, 125.6568744 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 2 hr, 33 min, 55 sec



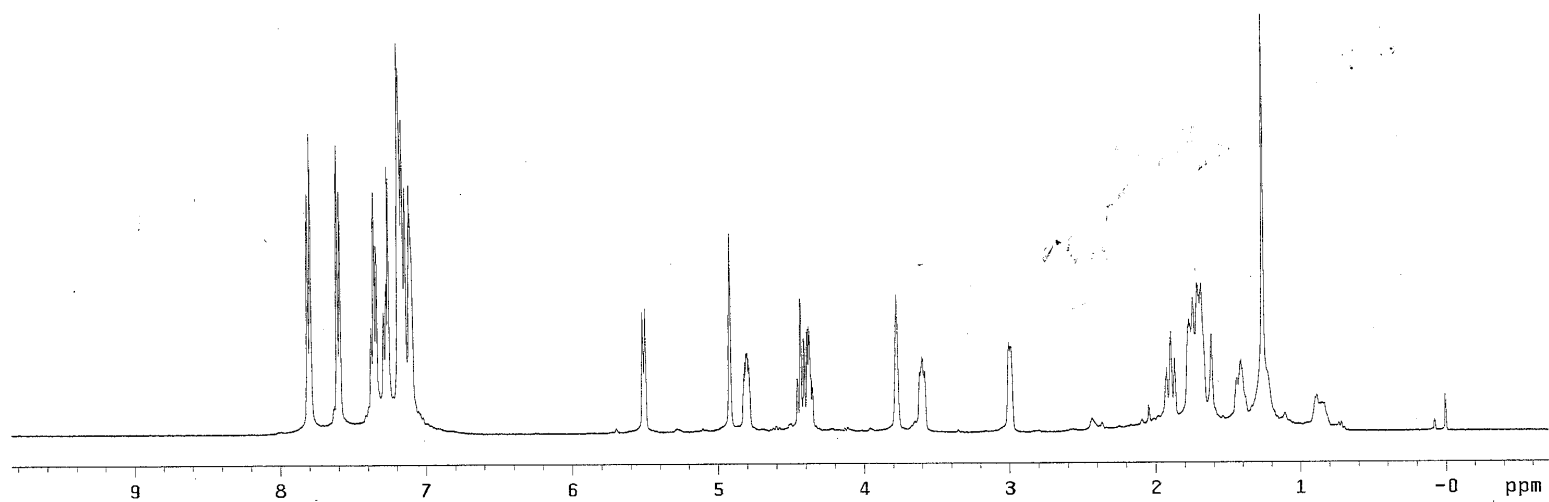
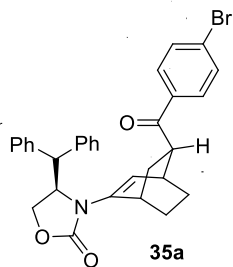
20130603-P156-1-H_04Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130603-P156-1-H_04Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865253 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec

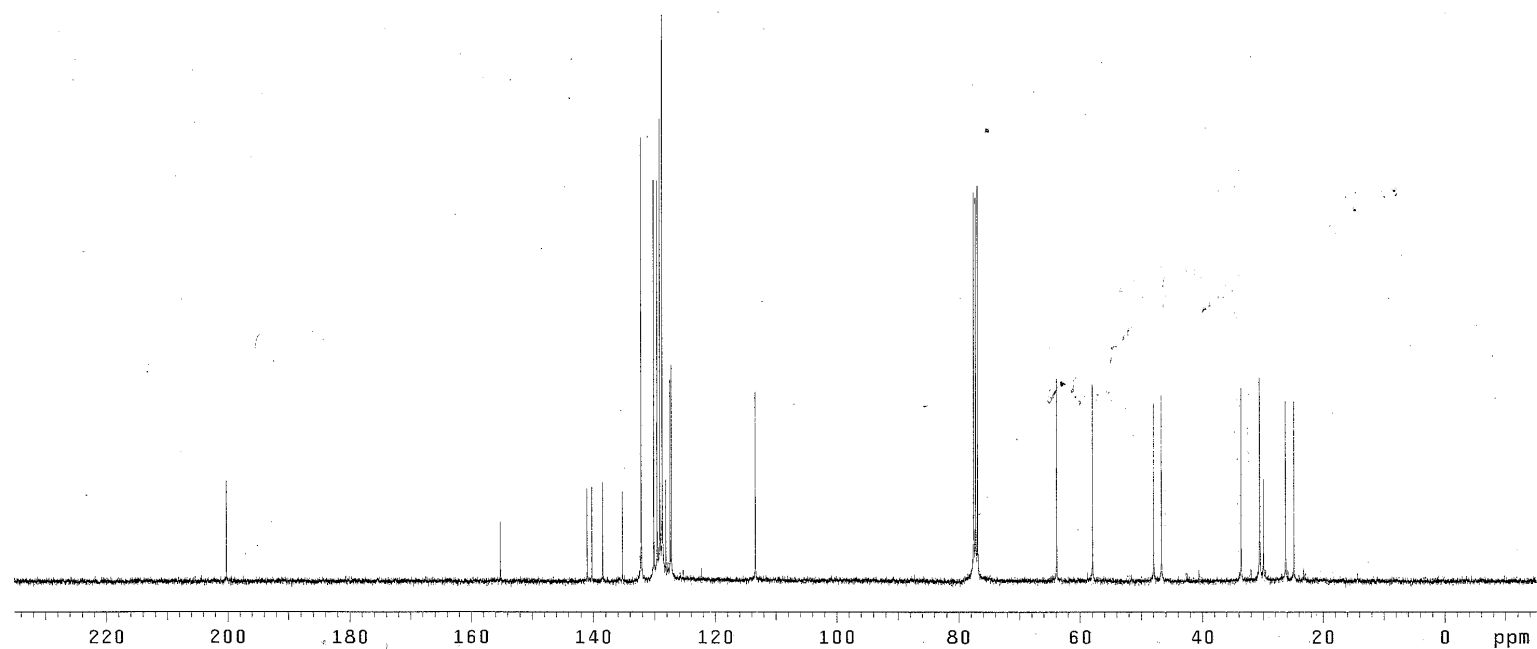
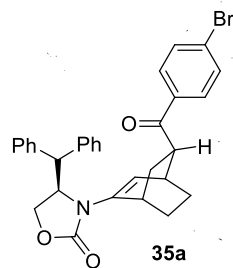


20130603-P156-1-C_04Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130603-P156-1-C_04Jun2013
File: CARBON

Pulse Sequence: s2pu1
Solvent: CDCl3
Temp. 25.0 C / 298.1 K
INOVA-400 "ui400"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
8000 repetitions
OBSERVE C13, 100.5263814 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 4 hr, 54 min, 7 sec



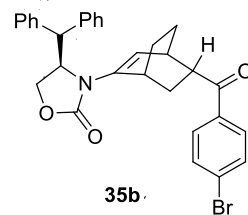
20130603-P156-2_04Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130603-P156-2_04Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865227 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



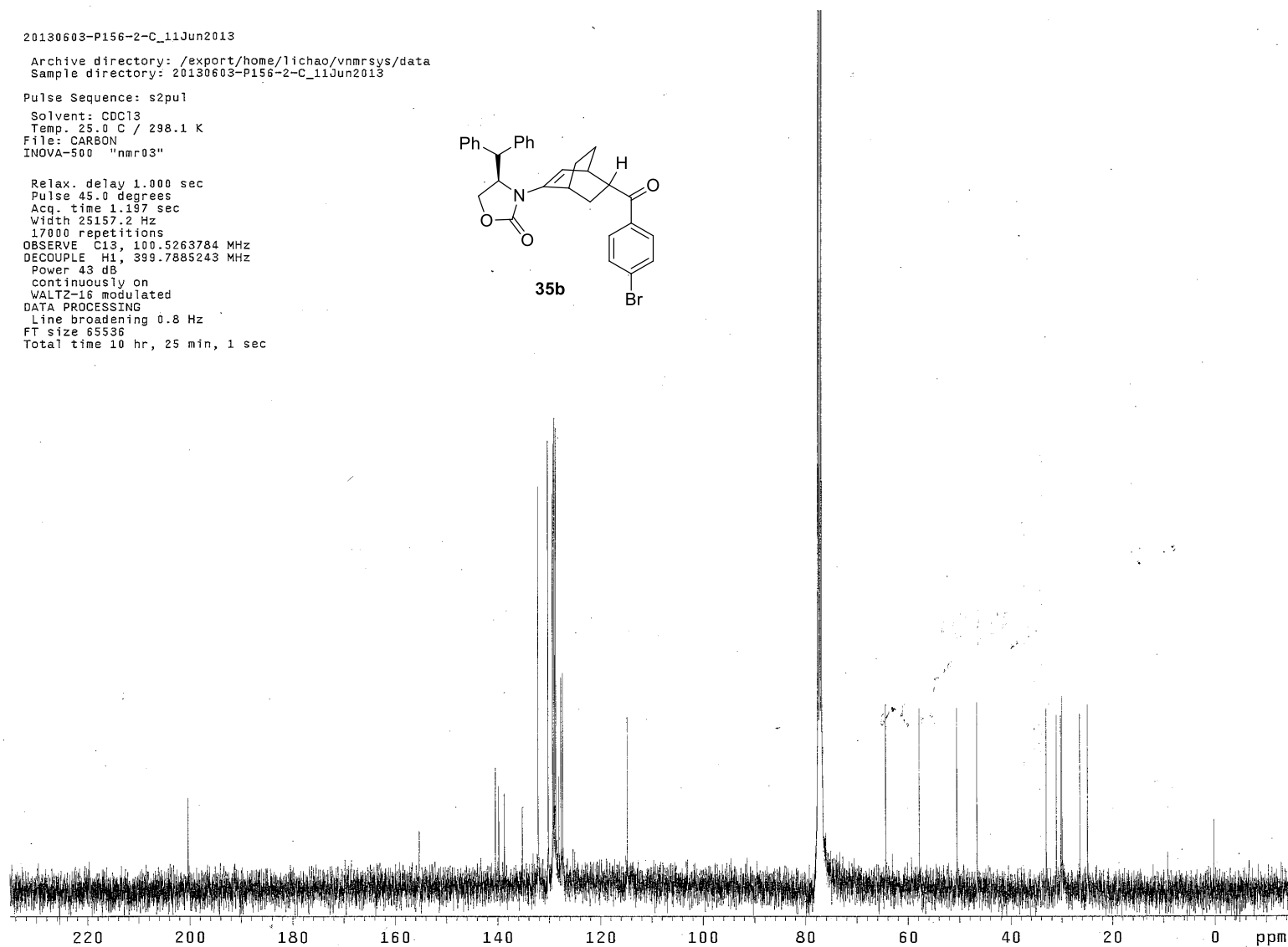
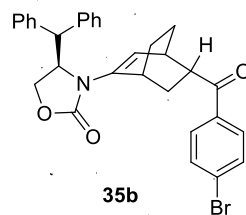
20130603-P156-2-C_11Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130603-P156-2-C_11Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
17000 repetitions
OBSERVE C13, 100.5263784 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 10 hr, 25 min, 1 sec



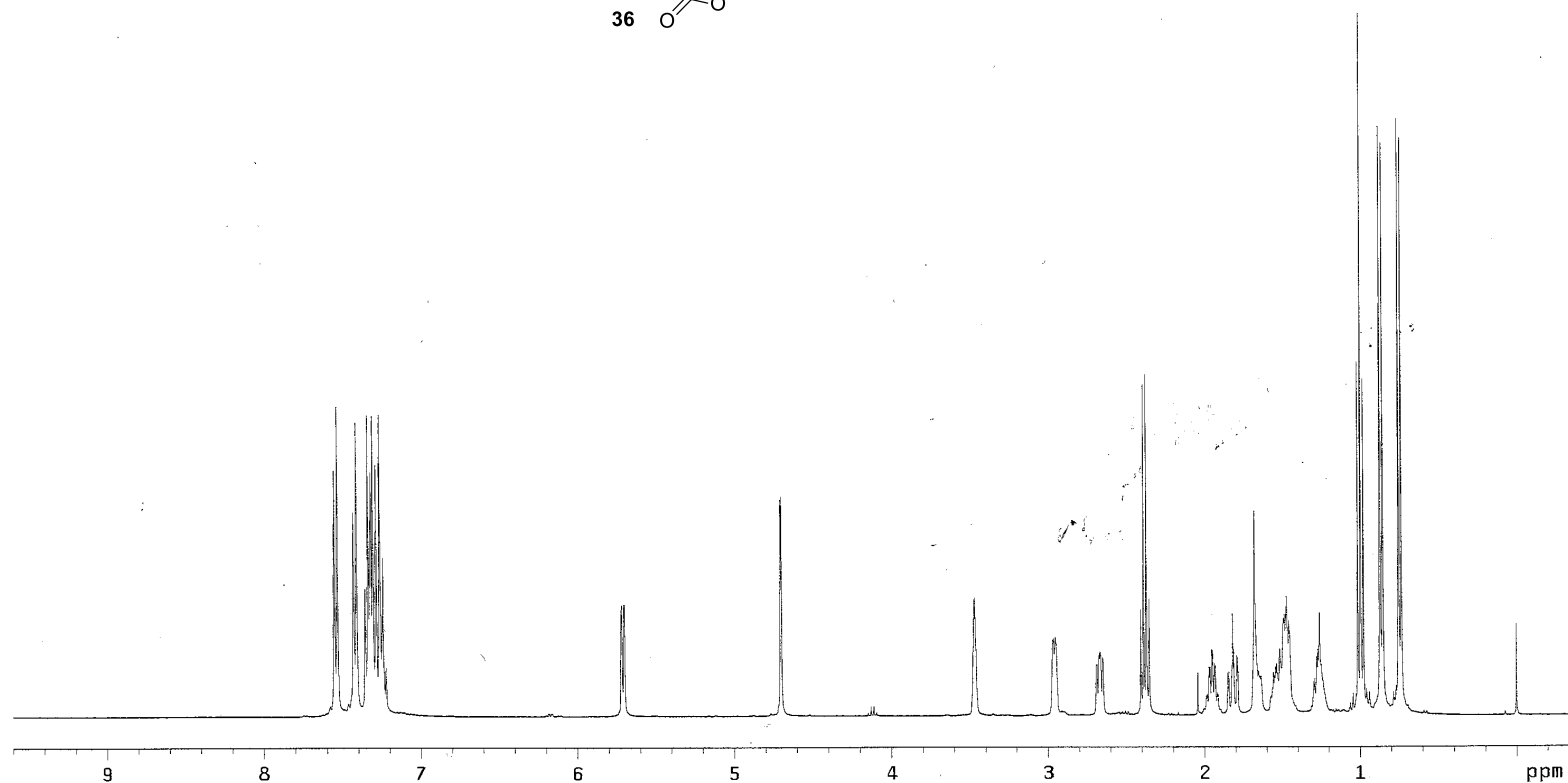
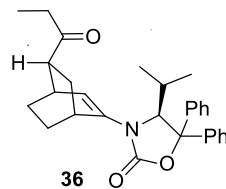
seebach-Et-DA_27May2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: seebach-Et-DA_27May2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865226 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



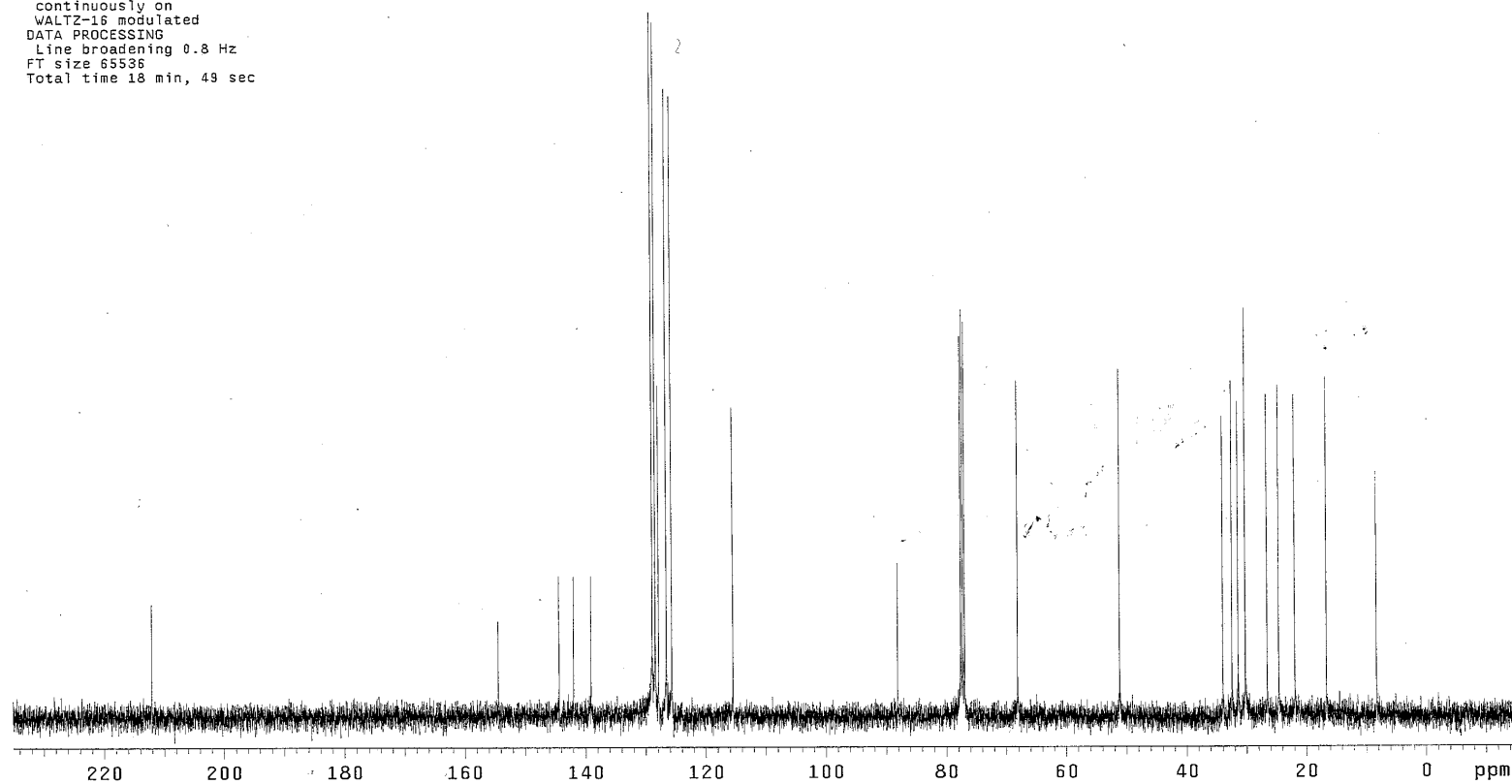
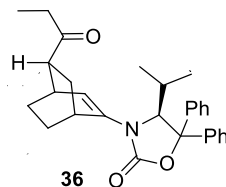
20130429-P91_29Apr2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130429-P91_29Apr2013

Pulse Sequence: s2pul

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
512 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 18 min, 49 sec



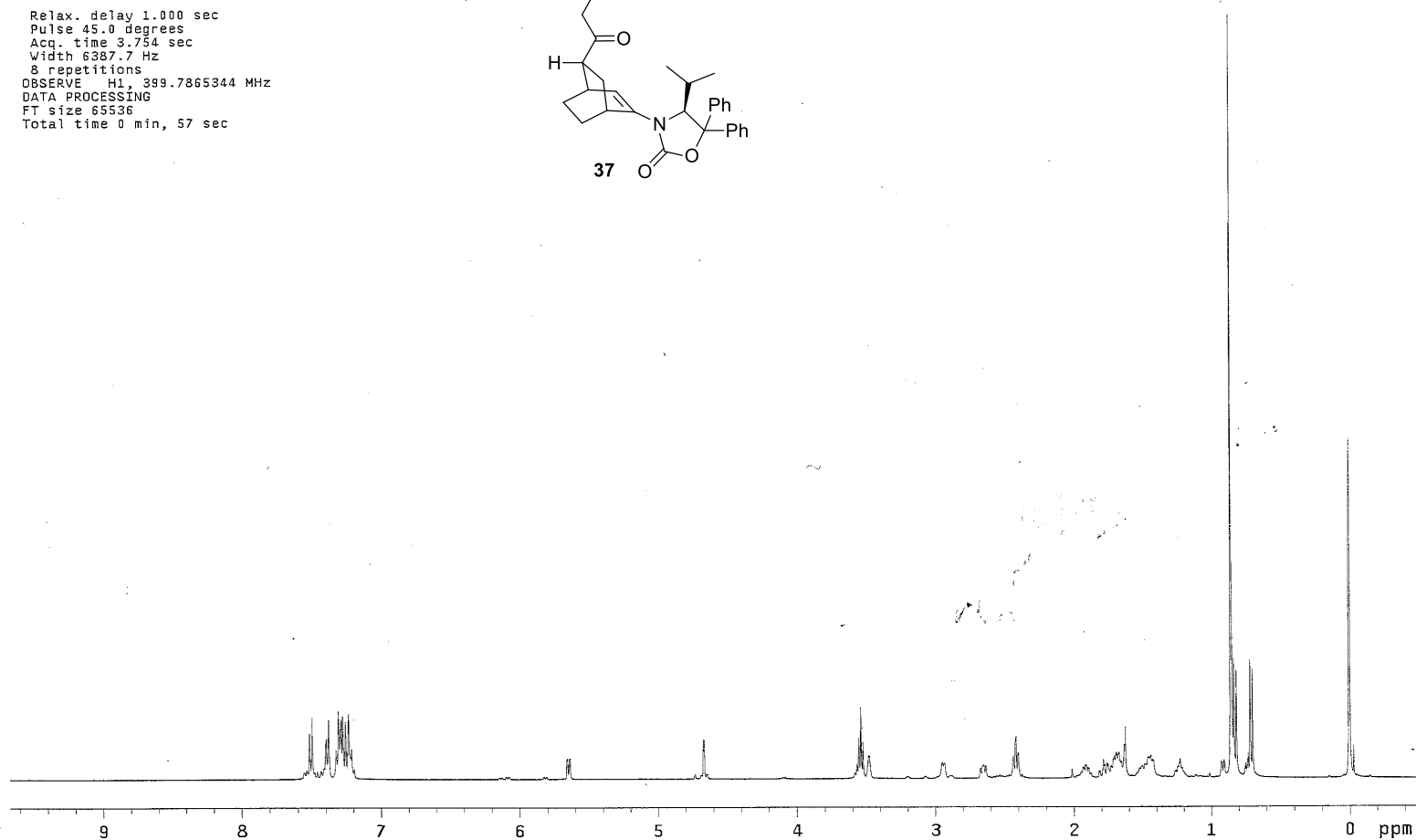
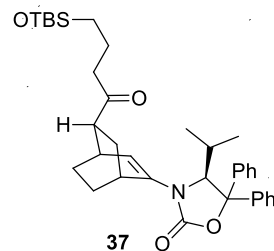
20130518_seebach-TBS-DA

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130518_seebach-TBS-DA

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865344 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



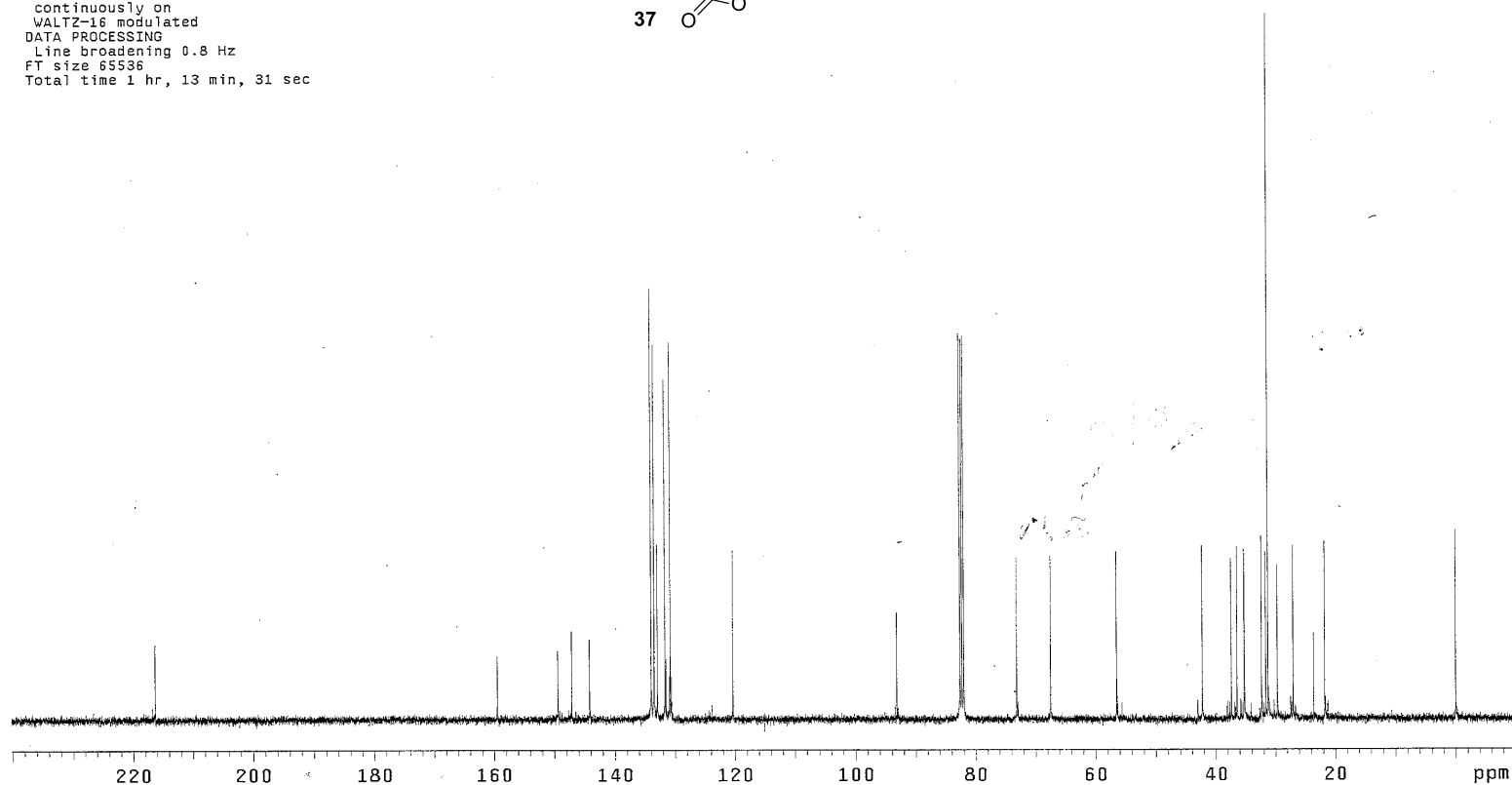
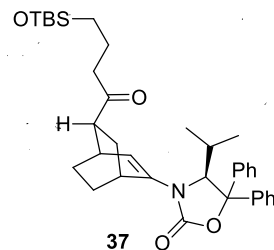
20130518_seebach-TBS-DA-C

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130518_seebach-TBS-DA-C

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5258658 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec



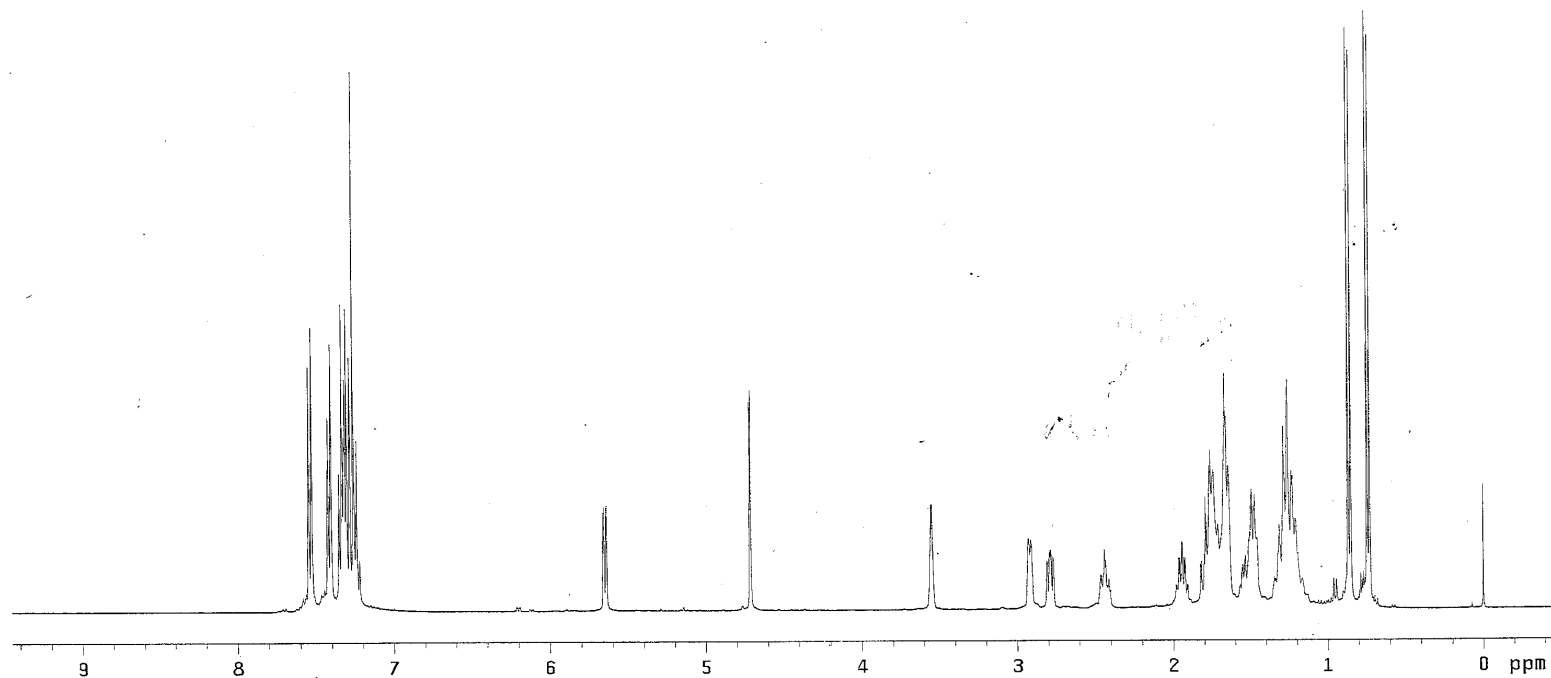
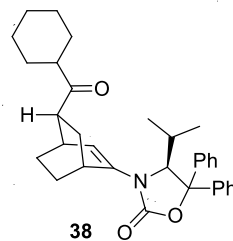
20130518_seebach-Cy-DA

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130518_seebach-Cy-DA

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp: 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865227 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



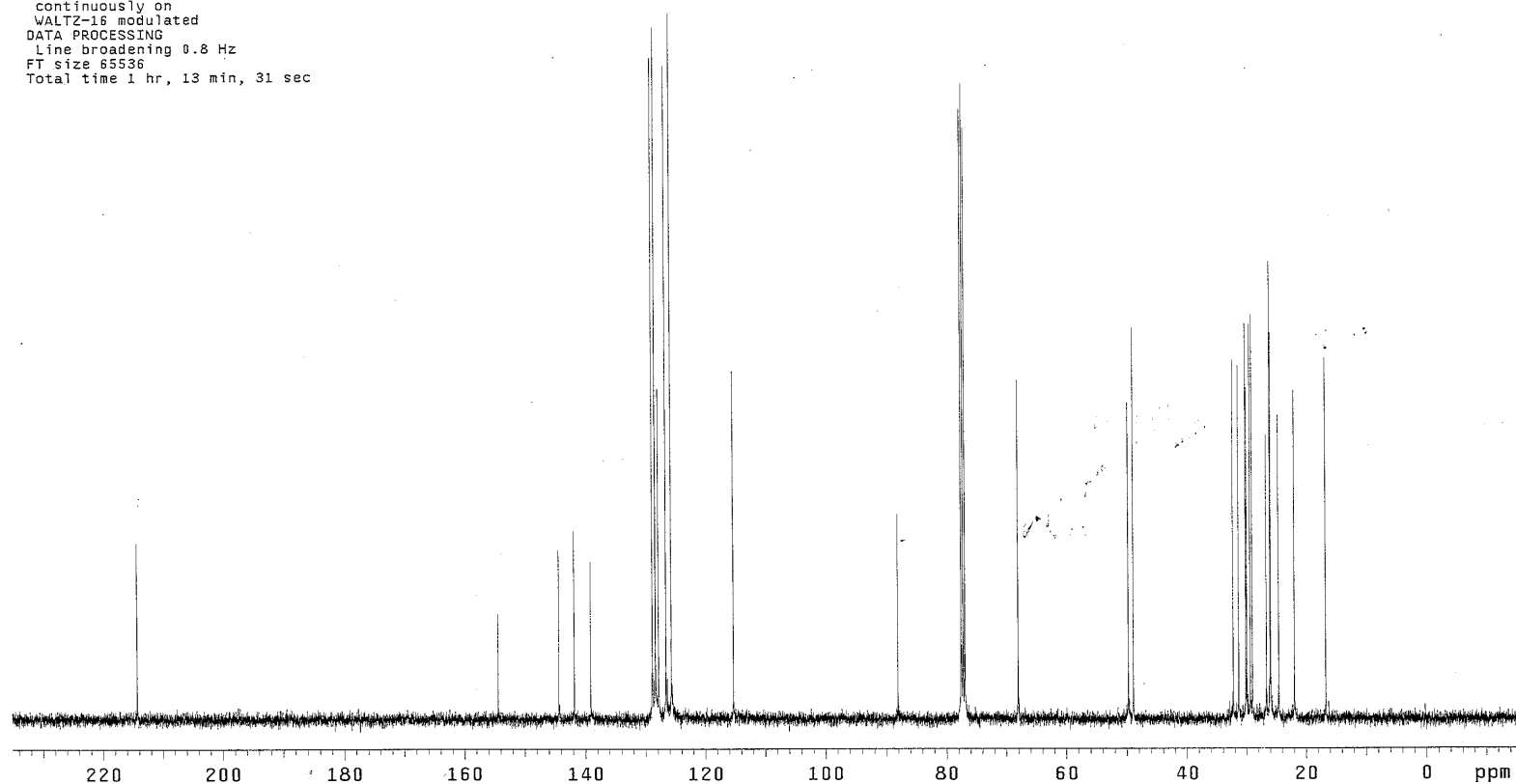
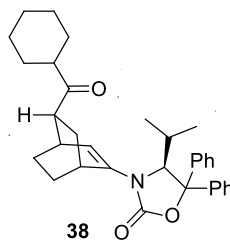
20130518_seebach-Cy-DA

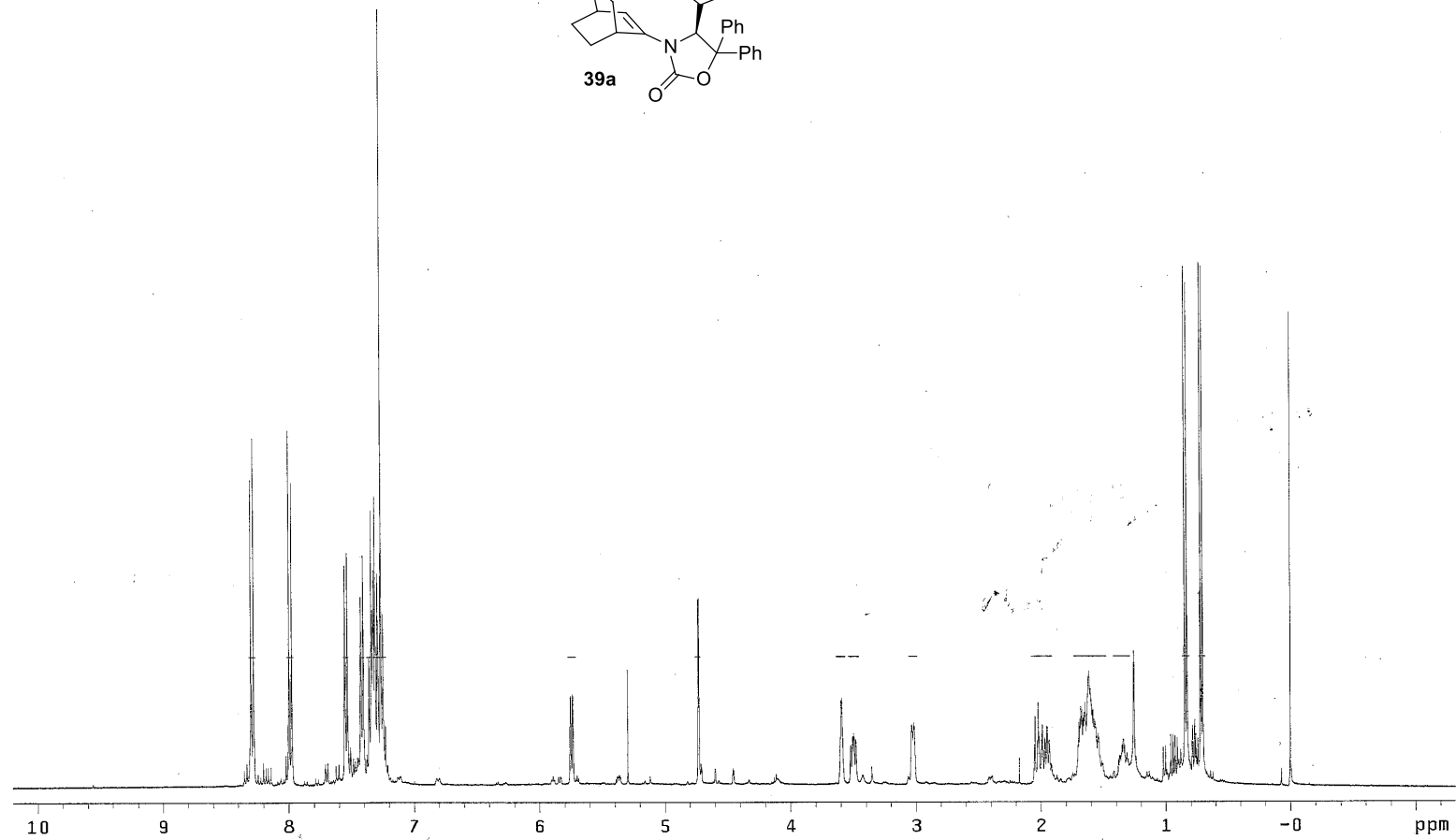
Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130518_seebach-Cy-DA

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp: 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
2000 repetitions
OBSERVE C13, 100.5263777 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec





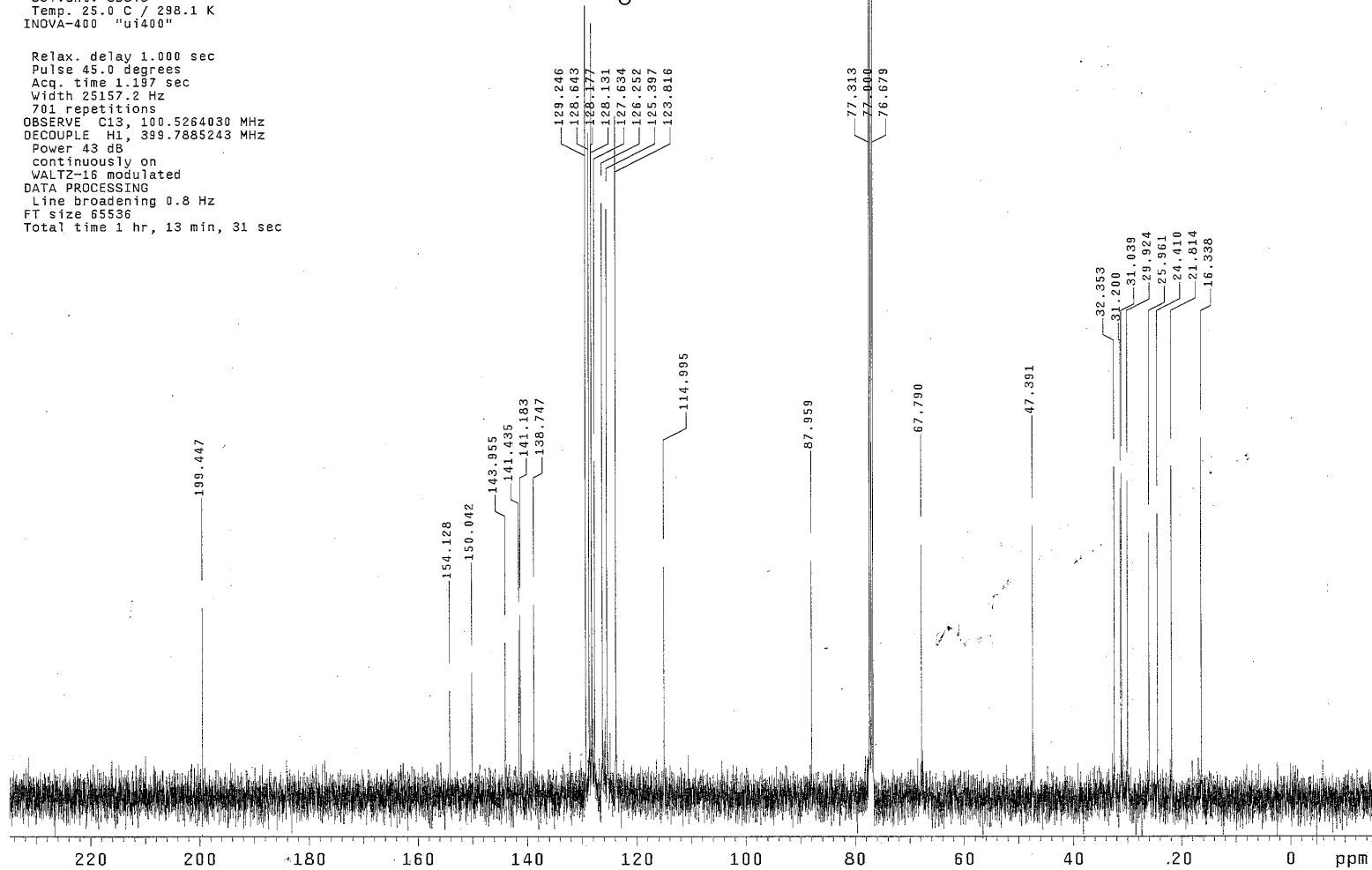
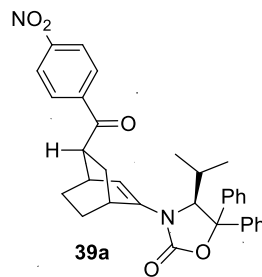
zma-III-252-b_12Jun2013

Archive directory: /export/home/zhixiong/vnmrsys/data
Sample directory: zma-III-252-b_12Jun2013
File: CARBON

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
INOVA-400 "ui400"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
701 repetitions
OBSERVE C13, 100.5264030 MHz
DECOUPLE H1, 399.785243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 hr, 13 min, 31 sec



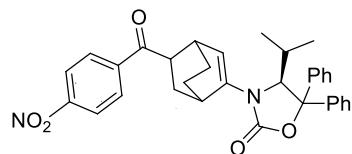
20130615-P163-2_18Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130615-P163-2_18Jun2013

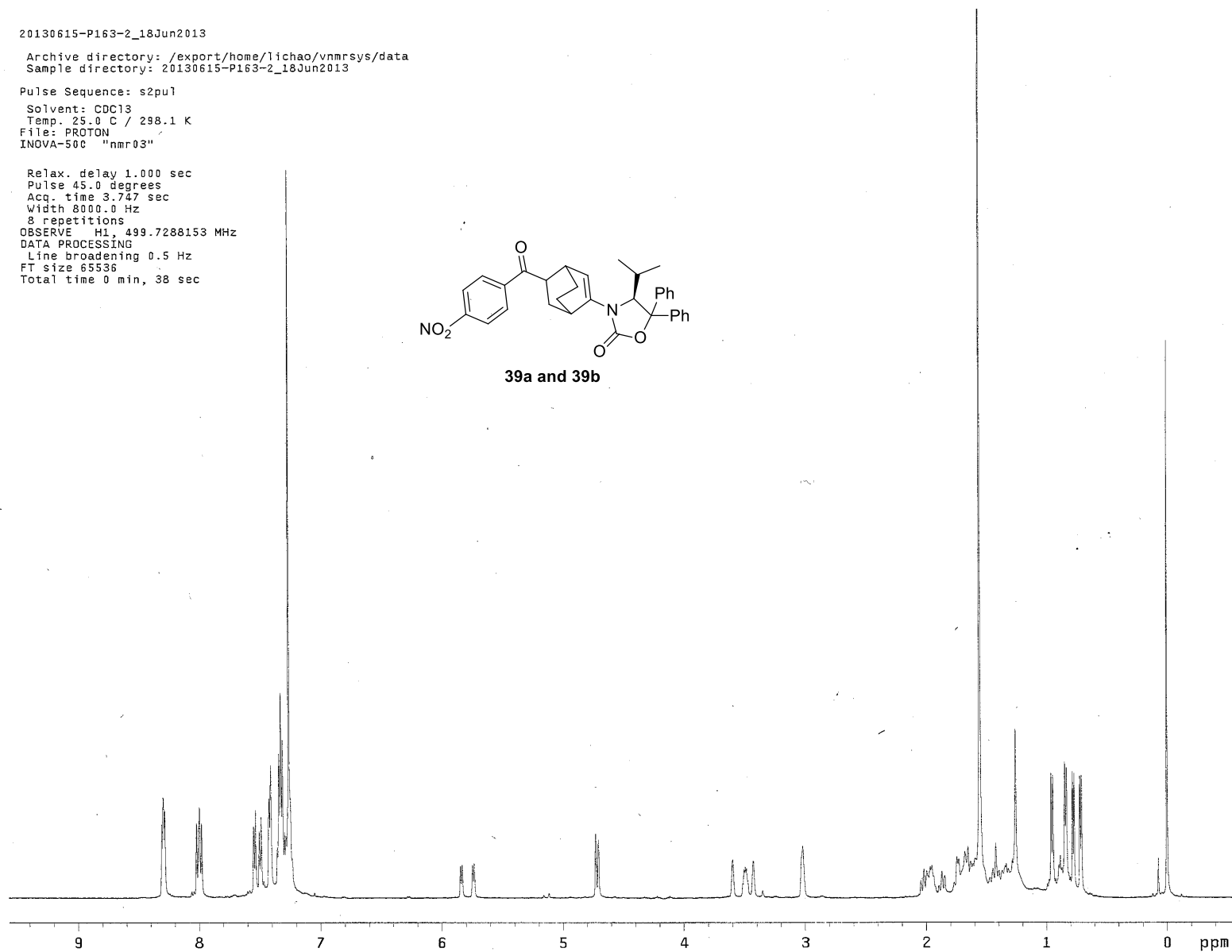
Pulse Sequence: s2pu1

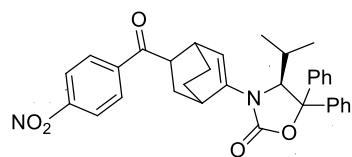
Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288153 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec

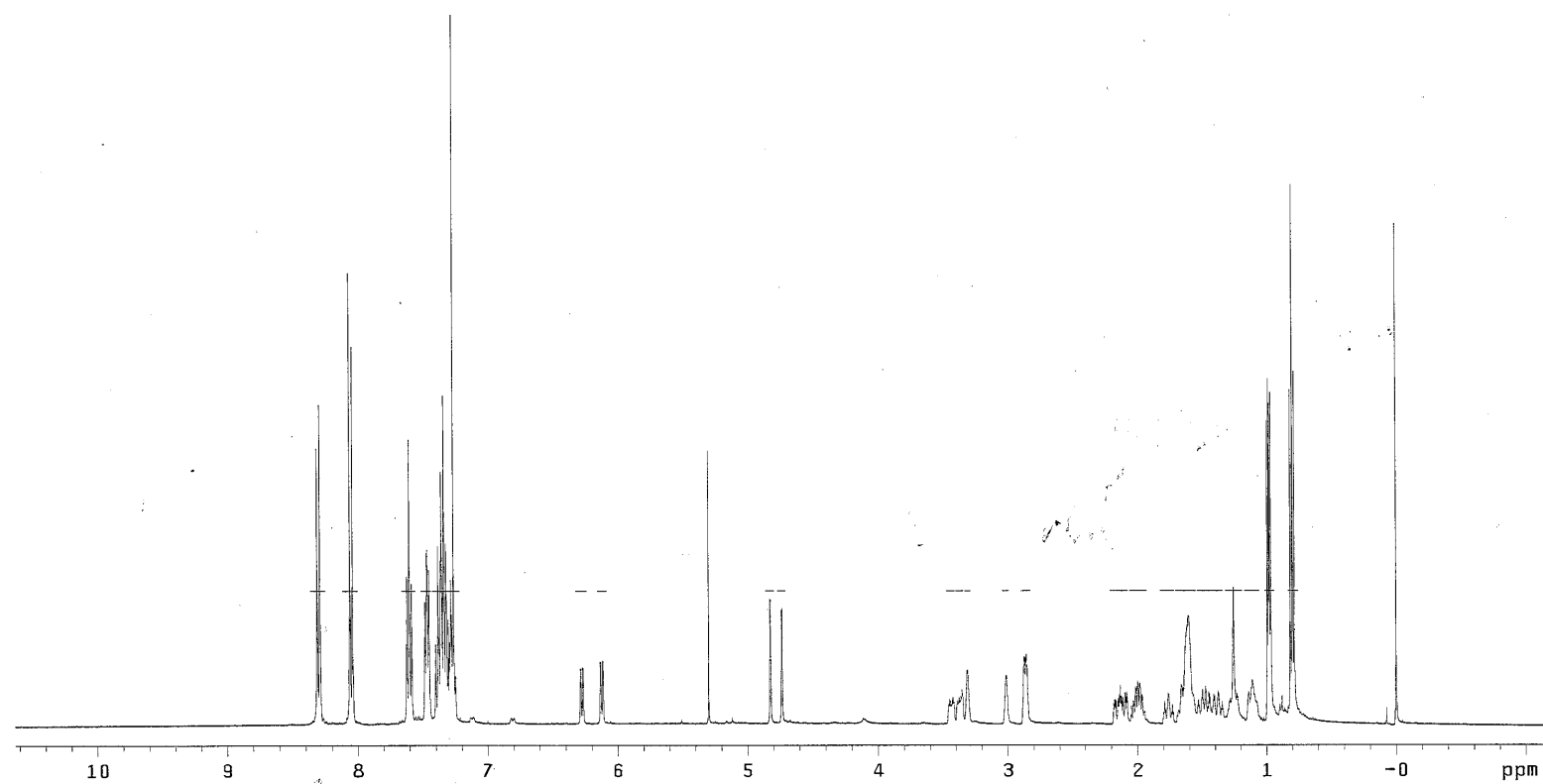


39a and 39b





39c and 39d



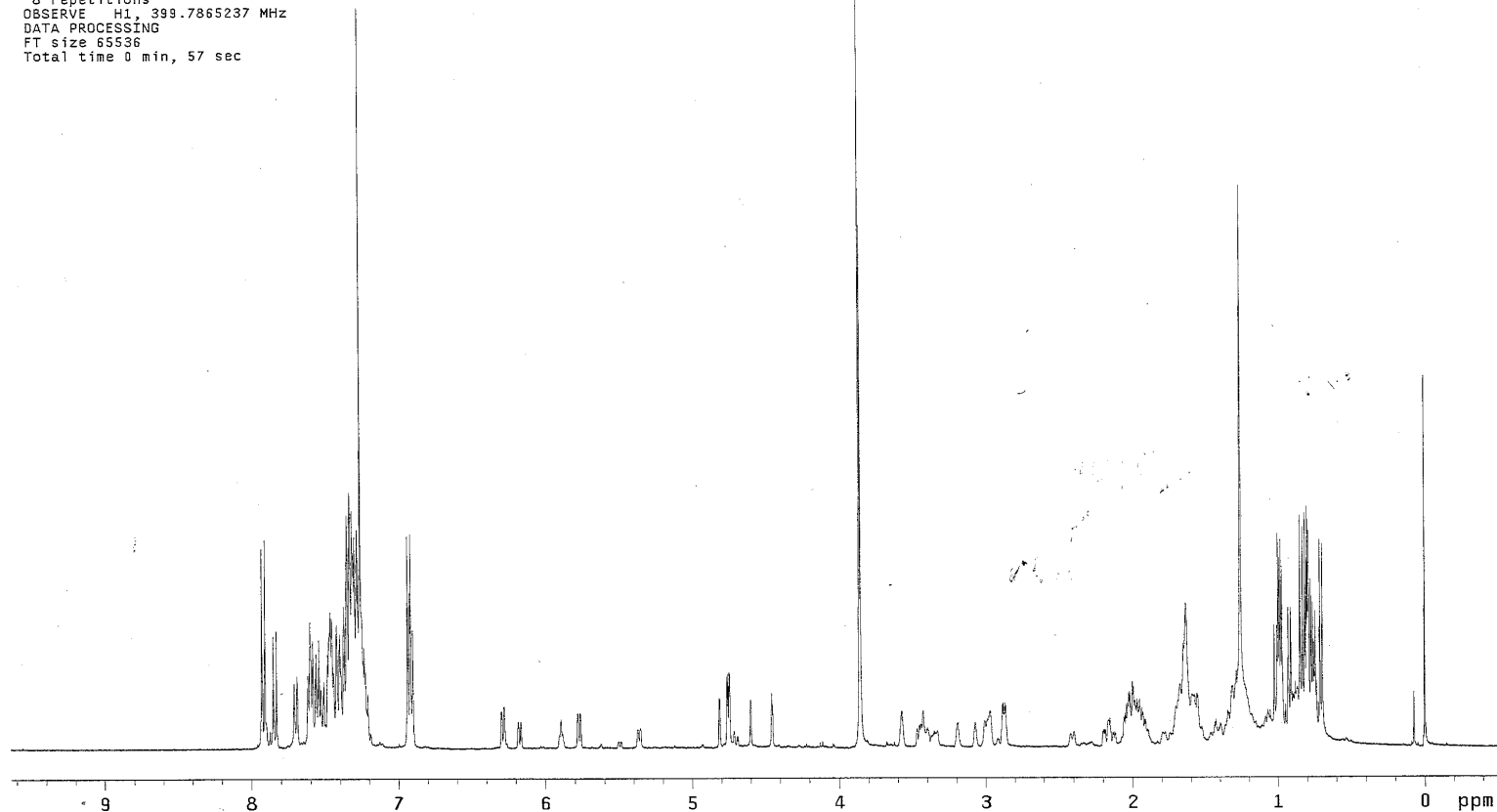
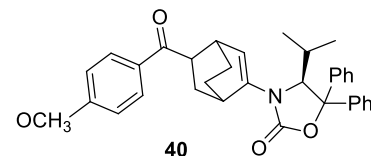
20130607-mix_10Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130607-mix_10Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865237 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



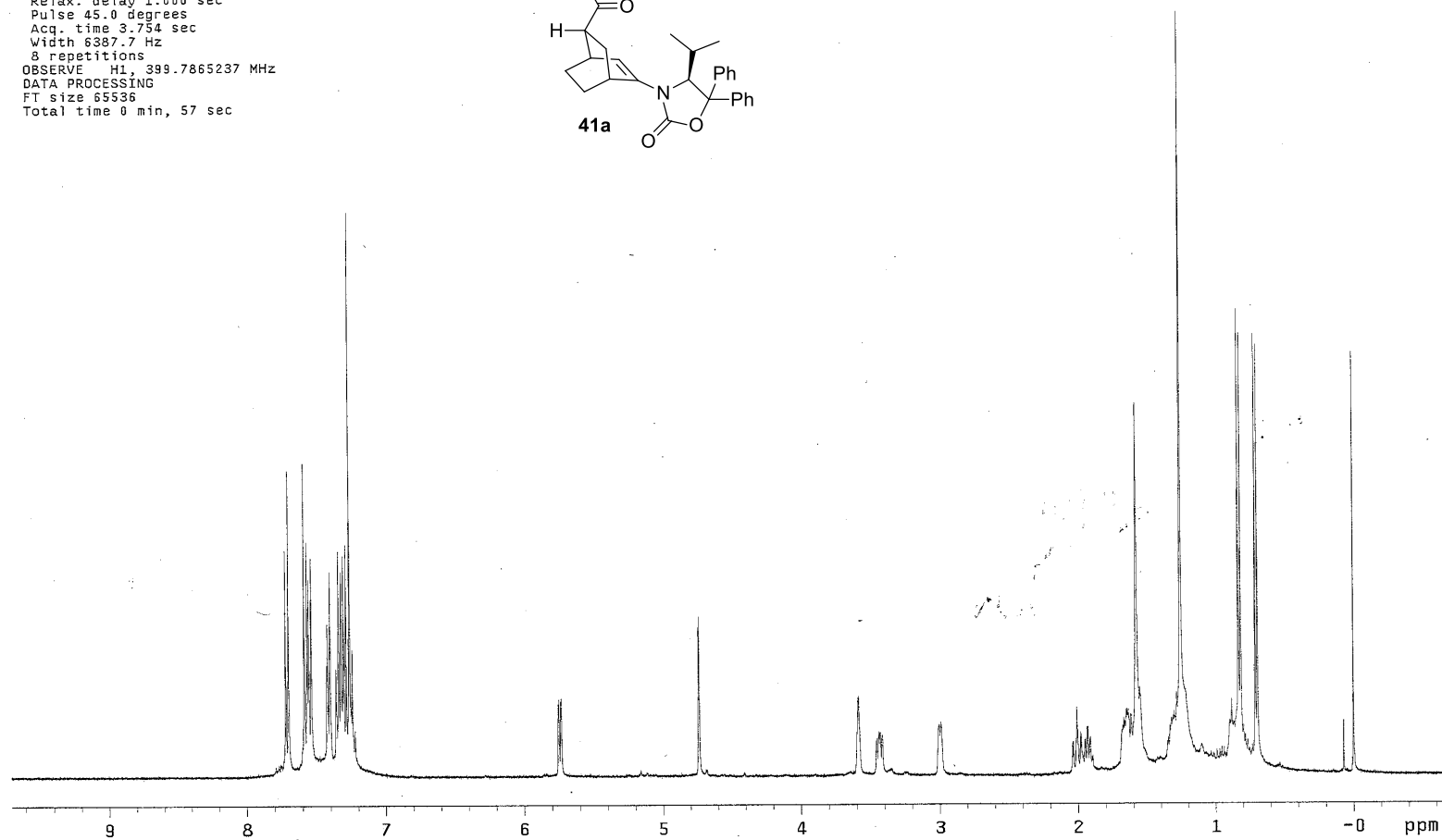
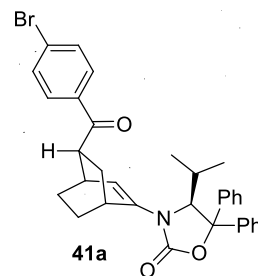
seebach-Br-0605_05Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: seebach-Br-0605_05Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INDVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865237 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



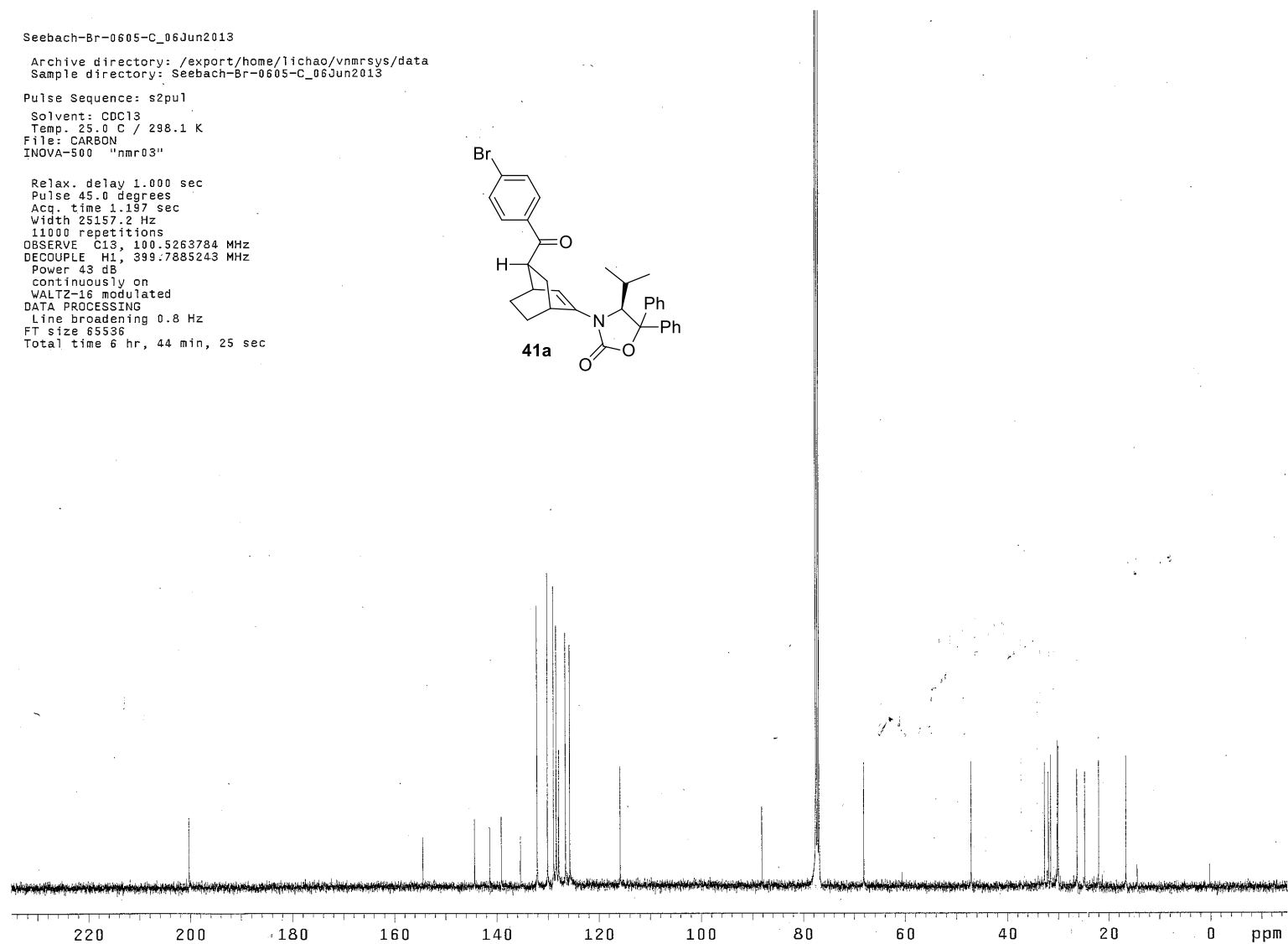
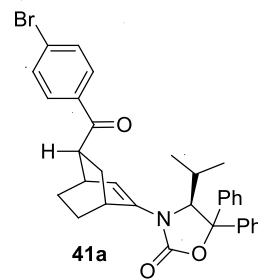
Seebach-Br-0605-C_06Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: Seebach-Br-0605-C_06Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
11000 repetitions
OBSERVE C13, 100.5263784 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 6 hr, 44 min, 25 sec



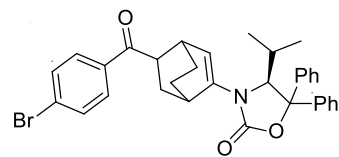
20130425-P84-1_29Apr2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 20130425-P84-1_29Apr2013

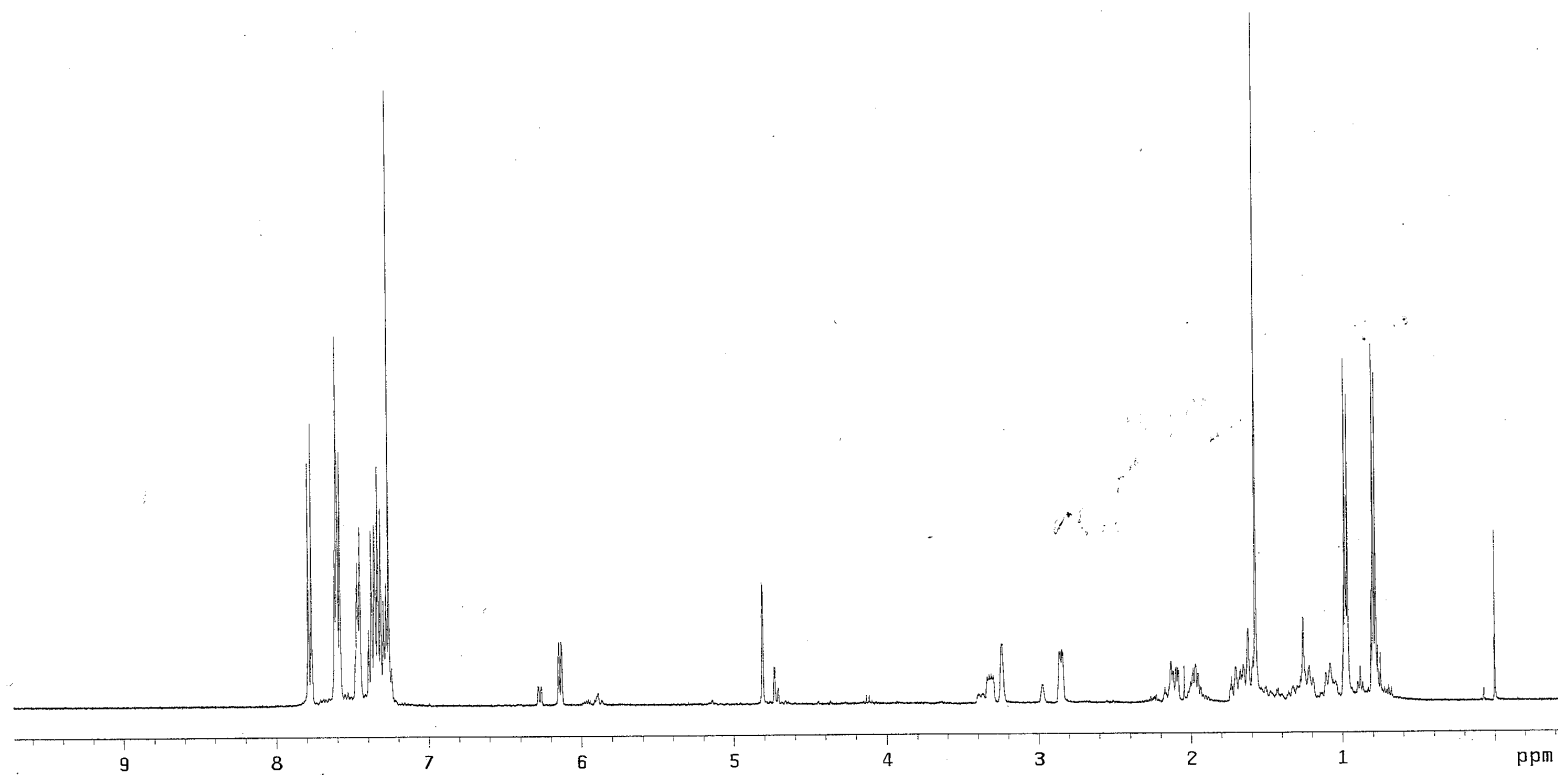
Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INDVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865235 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



41c and 41d



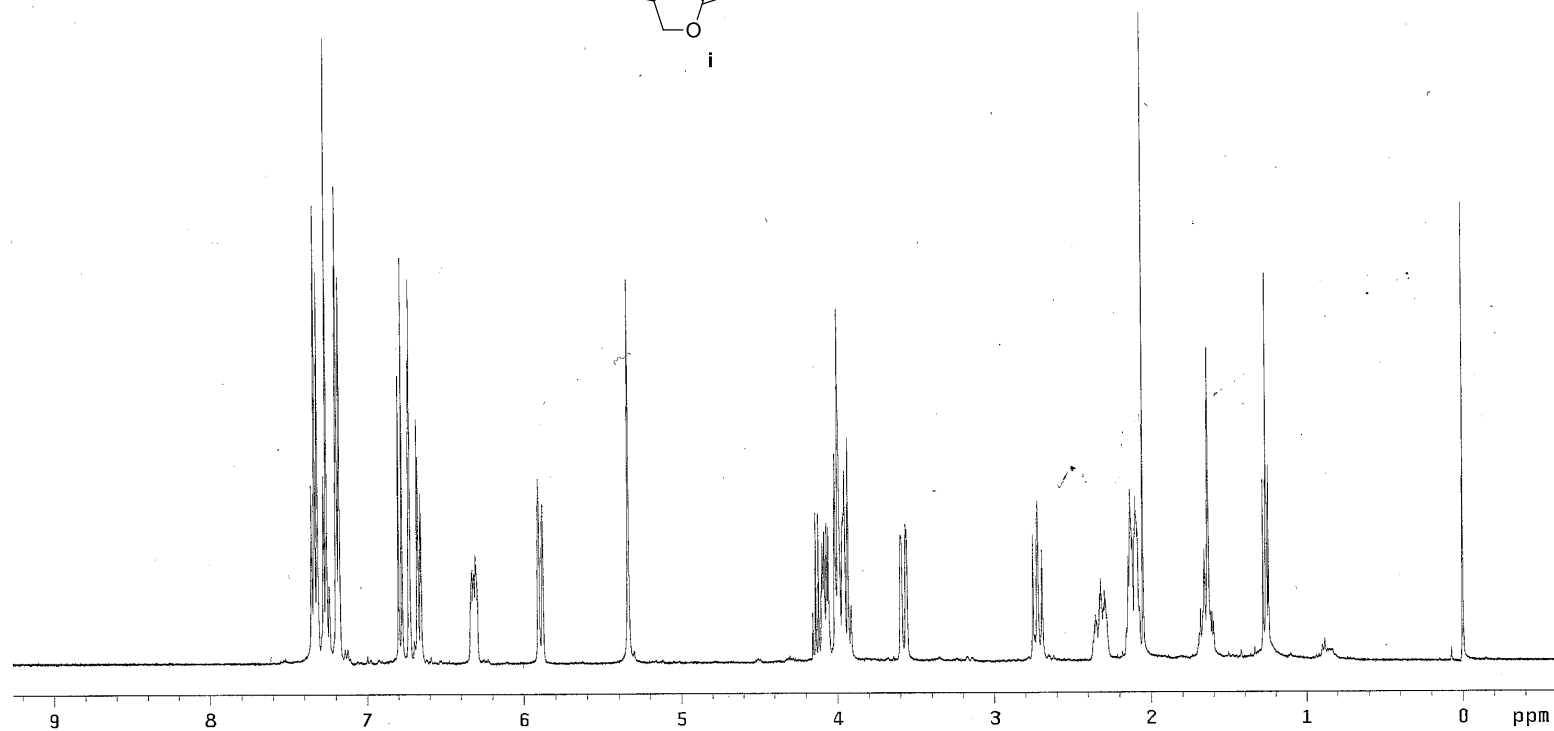
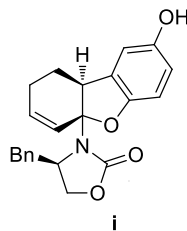
1127-P131-2_28Nov2012

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 1127-P131-2_28Nov2012

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.754 sec
Width 6387.7 Hz
8 repetitions
OBSERVE H1, 399.7865237 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 57 sec



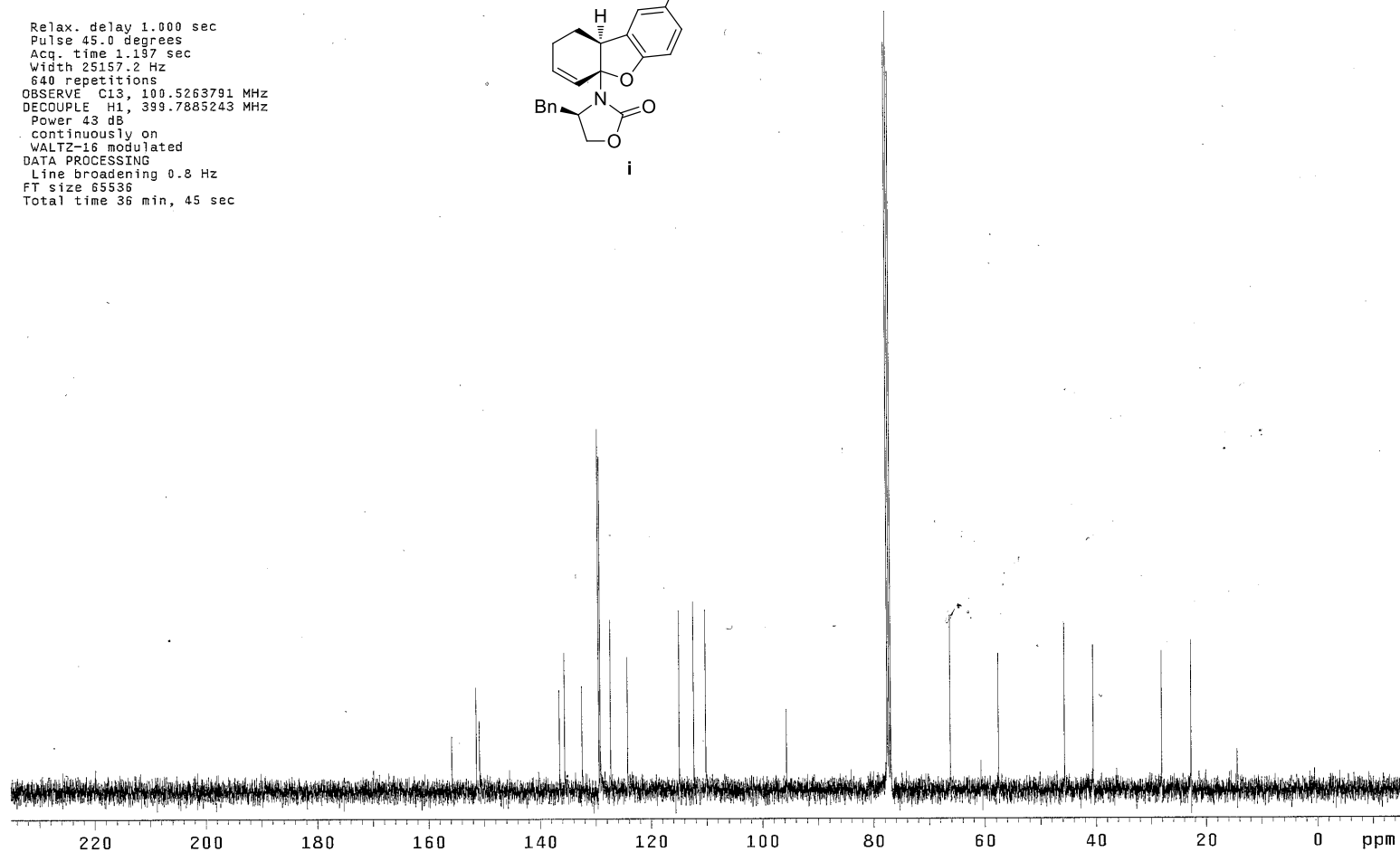
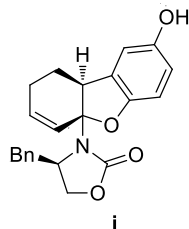
1127-P131-2_28Nov2012-21:12:13

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: 1127-P131-2_28Nov2012-21:12:13

Pulse Sequence: s2pu1

Solvent: CDCl₃
Temp. 25.0 C / 298.1 K
File: CARBON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.197 sec
Width 25157.2 Hz
640 repetitions
OBSERVE C13, 100.5263791 MHz
DECOUPLE H1, 399.7885243 MHz
Power 43 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 36 min, 45 sec



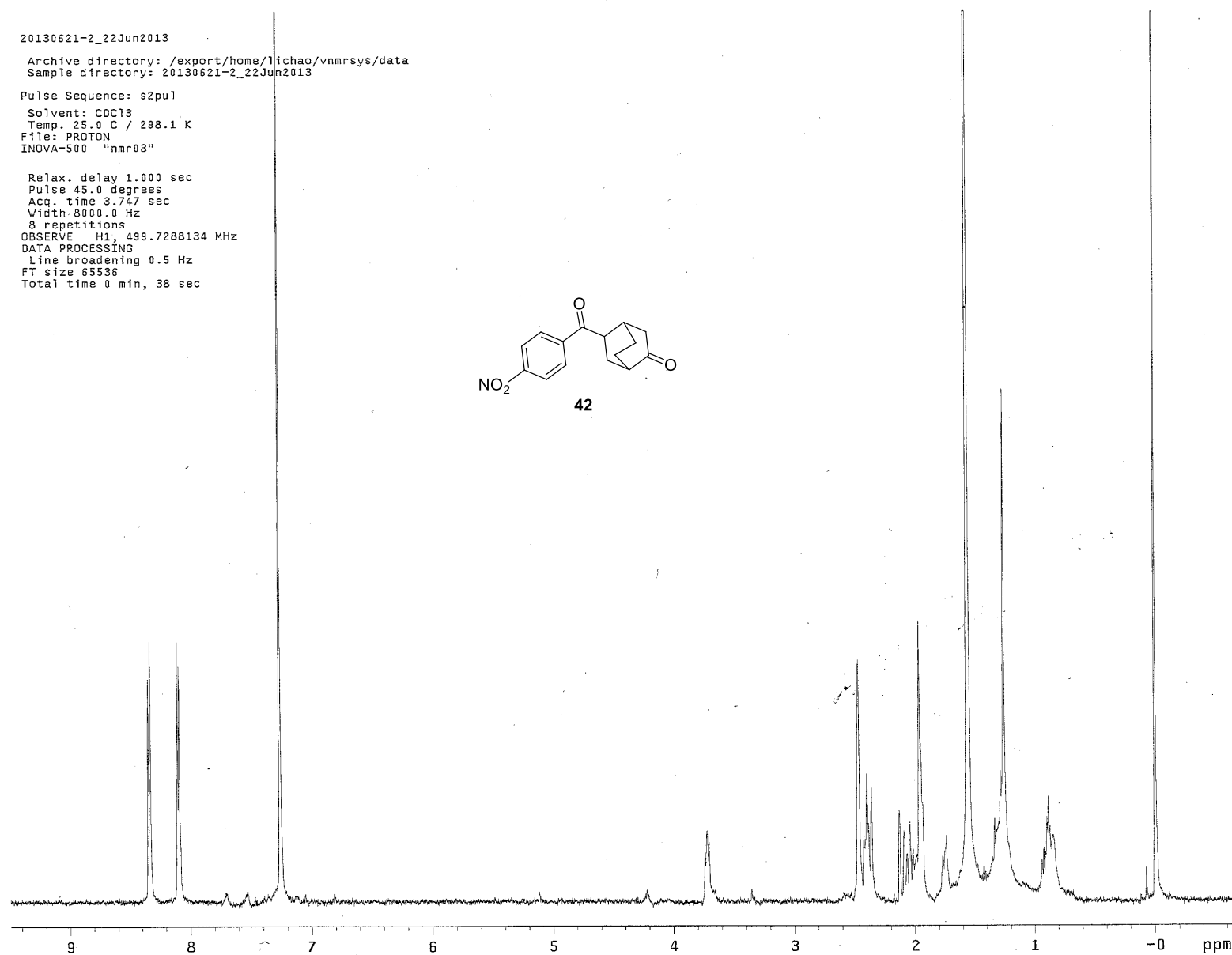
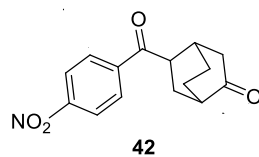
20130621-2_22Jun2013

Archive directory: /export/home/1lichao/vnmrsys/data
Sample directory: 20130621-2_22Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
File: PROTON
INOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.747 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7288134 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 0 min, 38 sec



hydrolysis-C_30Jun2013

Archive directory: /export/home/lichao/vnmrsys/data
Sample directory: hydrolysis-C_30Jun2013

Pulse Sequence: s2pu1

Solvent: CDCl3
Temp. 25.0 C / 298.1 K
User: 1-14-87
File: CARBON
INNOVA-500 "nmr03"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.299 sec
Width 31446.5 Hz
12000 repetitions
OBSERVE C13, 125.6568815 MHz
DECOUPLE H1, 499.7312897 MHz
Power 48 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 7 hr, 41 min, 38 sec

