

**Synthesis of Polycyclic Nitrogen Heterocycles via Alkene
Aminopalladation/Carbopalladation Cascade Reactions**

Danielle M. Schultz and John P. Wolfe*

Department of Chemistry, University of Michigan, 930 N. University Avenue, Ann Arbor, Michigan 48109-1055

Supporting Information (continued)

¹H NMR and ¹³C NMR spectra for new compounds in eq 1–2 and Tables 1–2.

nb3-20-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

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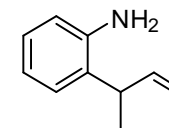
FidFile: w-dms-nb3-20-1-1H

Pulse Sequence: PROTON (s2pul)

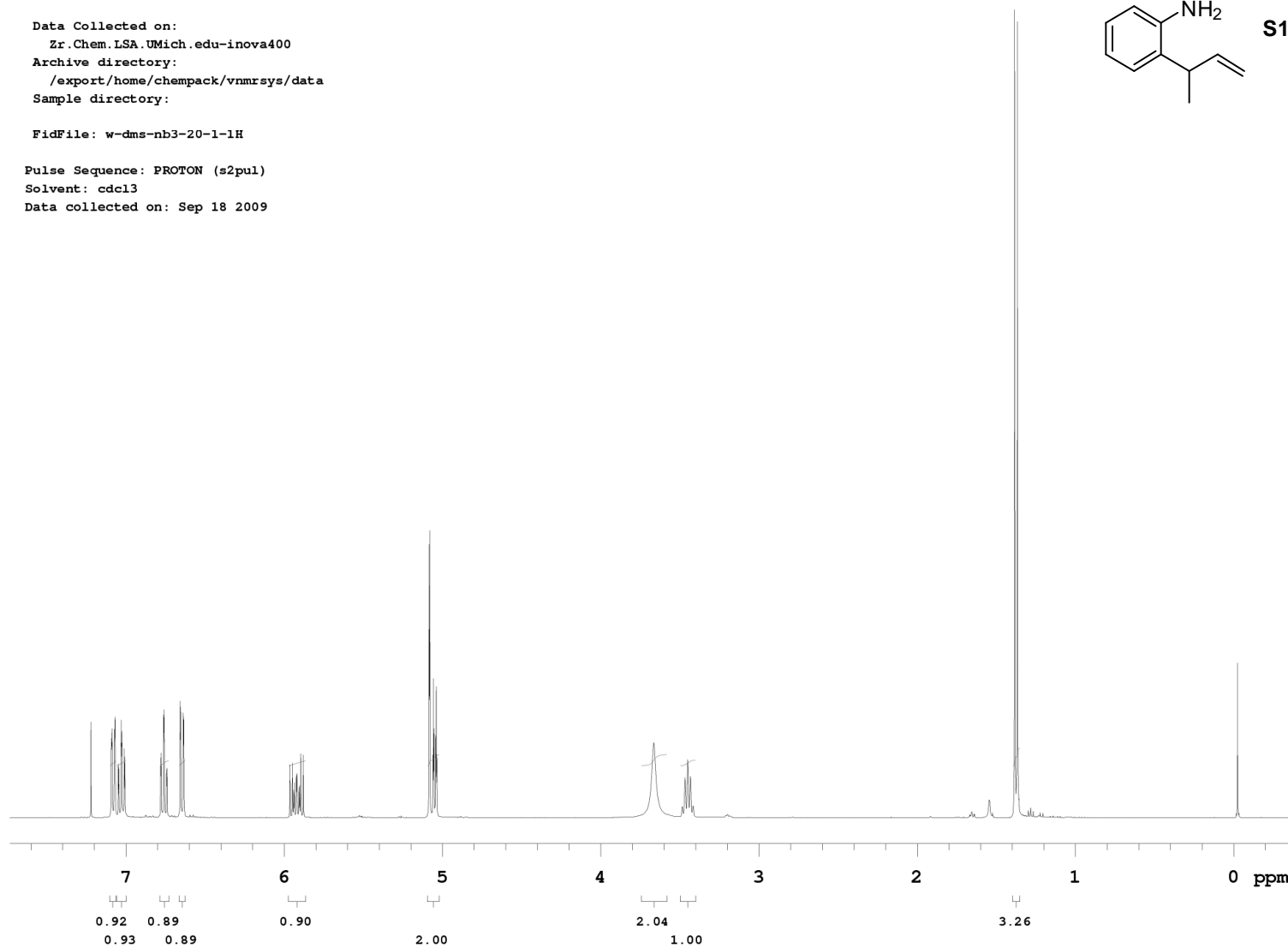
Solvent: cdcl3

Data collected on: Sep 18 2009

VARIAN 



S1



nb3-20-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

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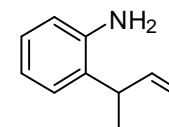
FidFile: w-dms-nb3-20-1-13C

Pulse Sequence: CARBON (s2pul)

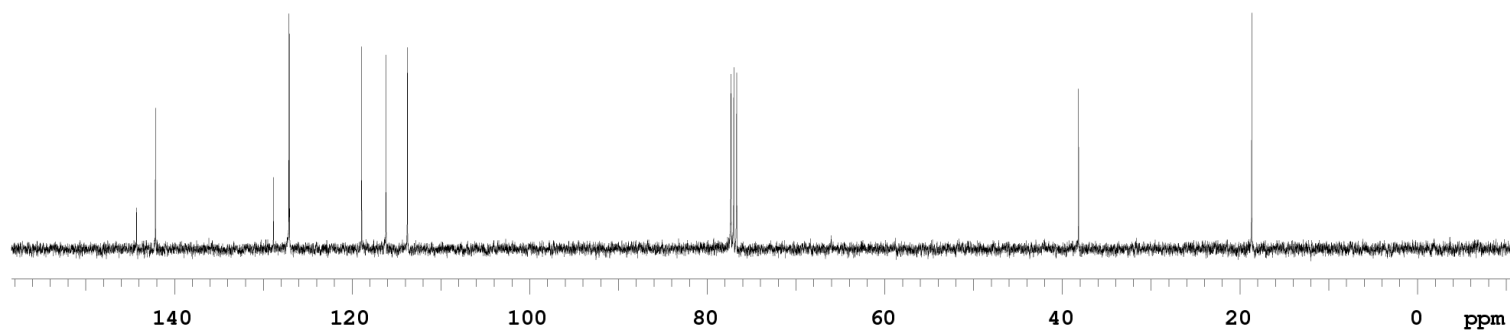
Solvent: cdcl3

Data collected on: Sep 18 2009

VARIAN 



S1



nb3-41-1

Sample Name:

Data Collected on:

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Archive directory:

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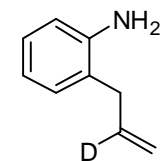
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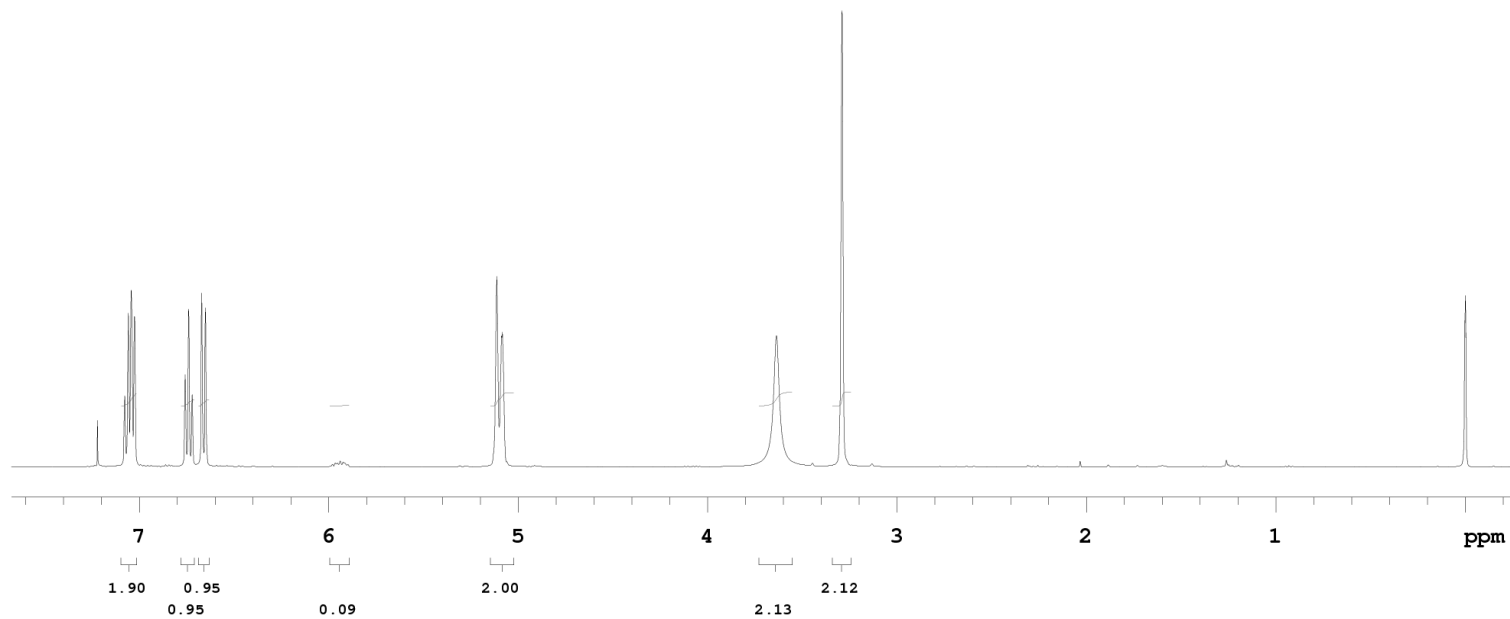
Solvent: cdcl3

Data collected on: Oct 16 2009

VARIAN 



S2



S29

nb3-41-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

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Sample directory:

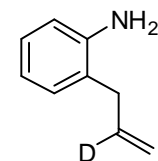
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Pulse Sequence: CARBON (s2pul)

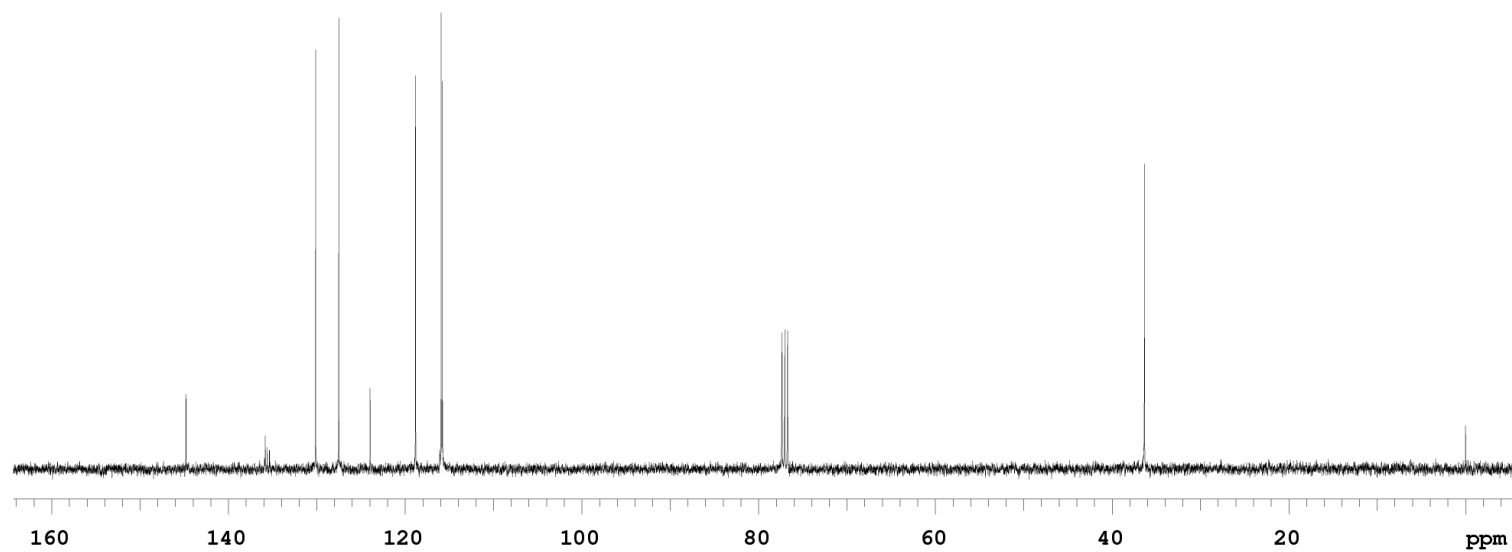
Solvent: cdcl3

Data collected on: Oct 16 2009

VARIAN 



S2



nb3-98-1

Sample Name:

Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

Sample directory:

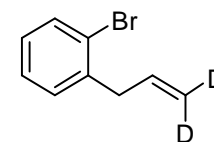
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Pulse Sequence: PROTON (s2pul)

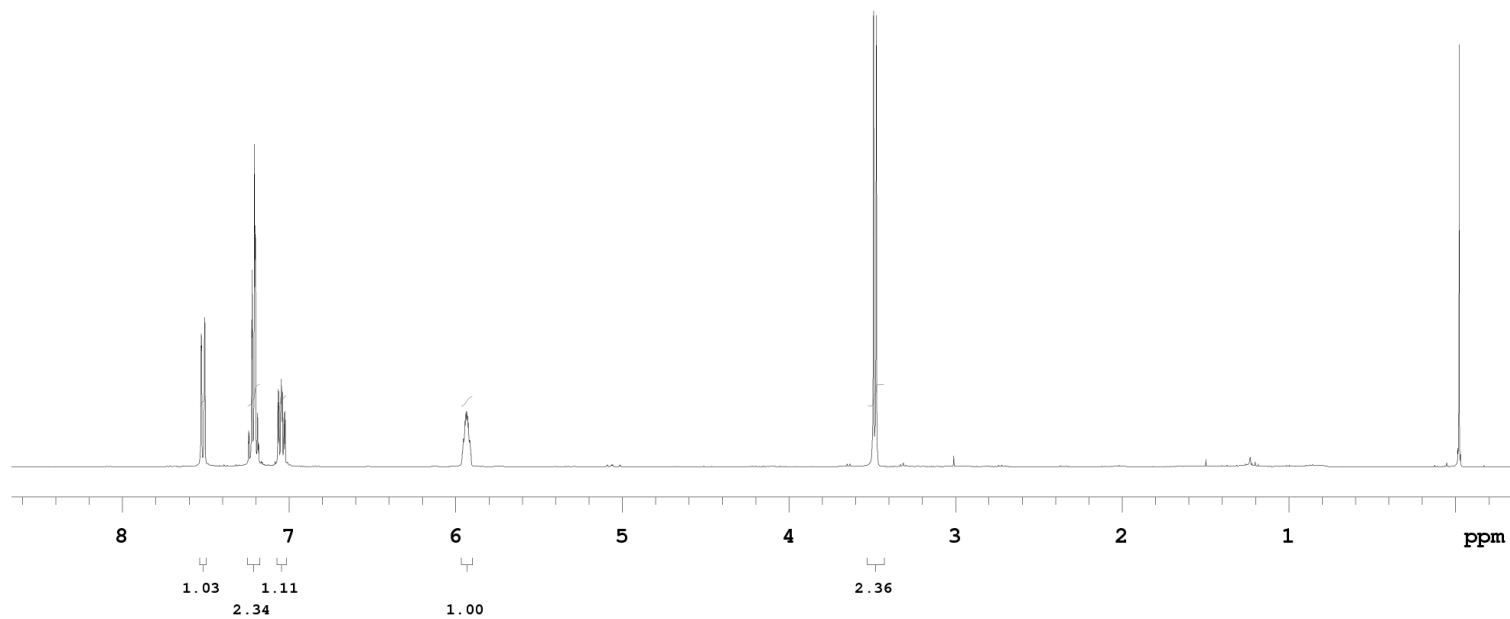
Solvent: cdcl3

Data collected on: Dec 4 2009

VARIAN



S3



nb3-100-1

Sample Name:

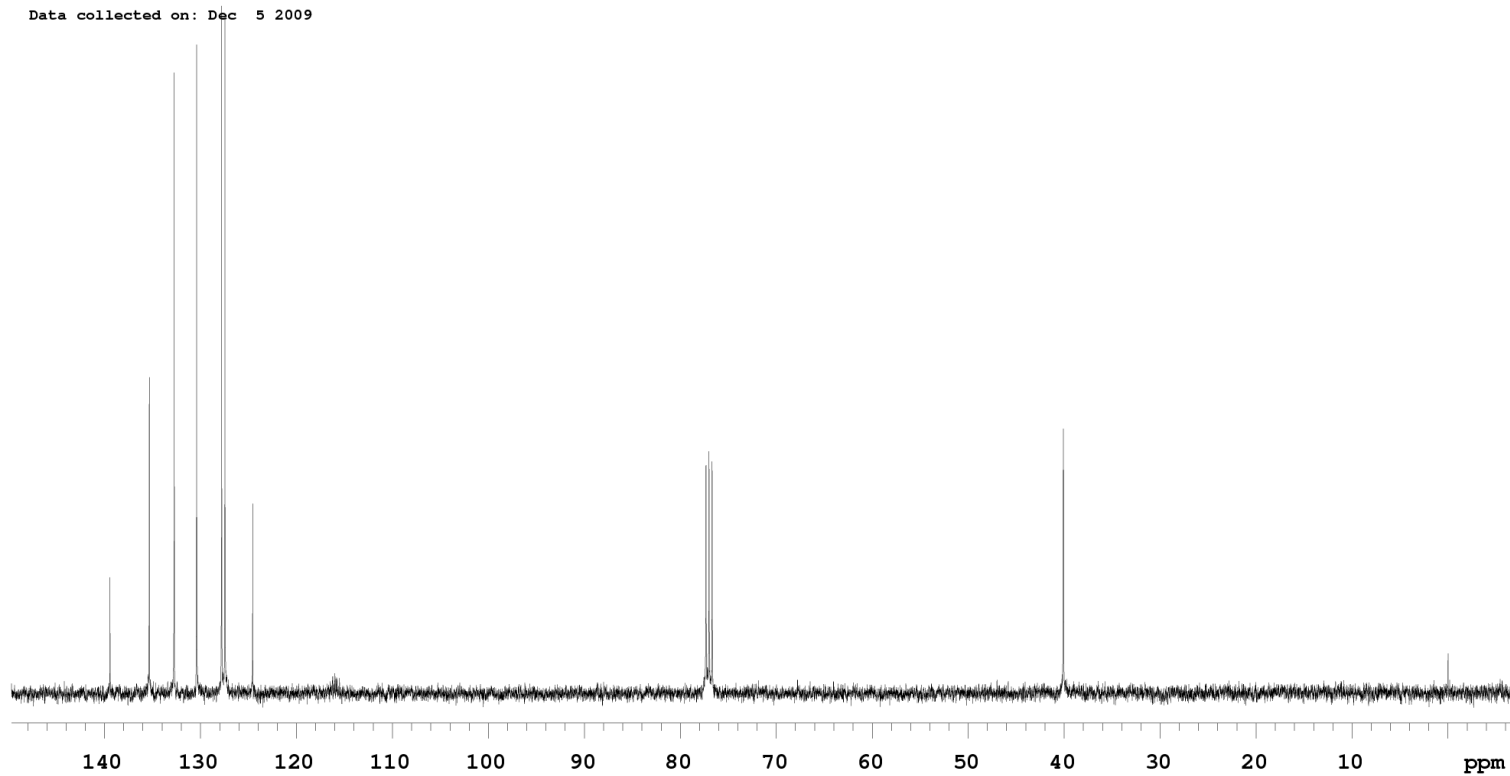
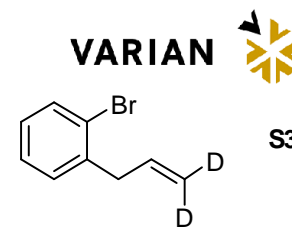
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Archive directory:

Sample directory:

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Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Dec 5 2009



dms-nb2-5-1-1H

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.Edu-vnmrs400

Archive directory:

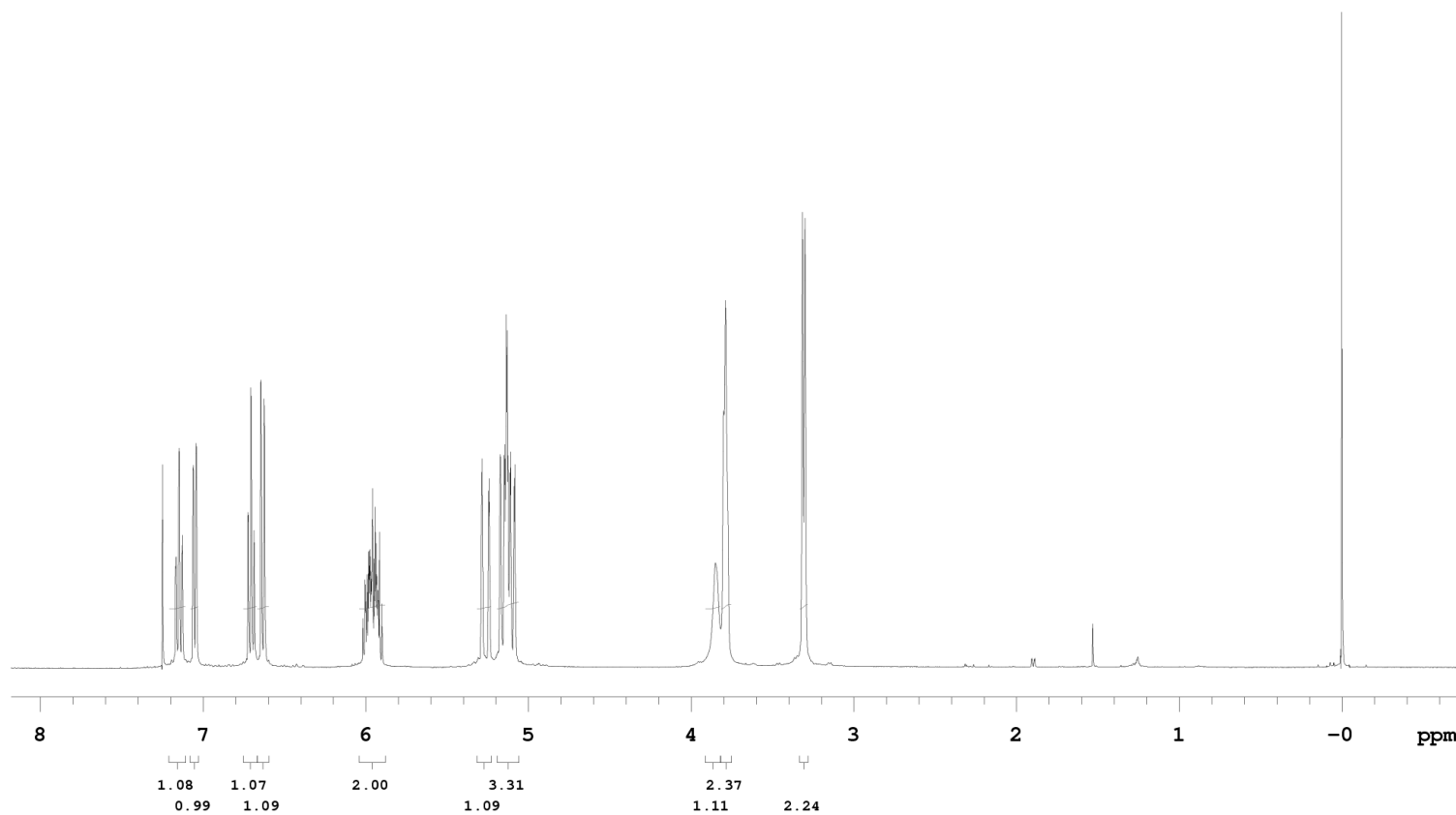
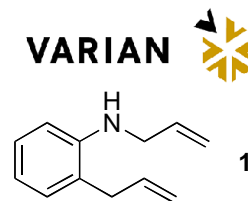
Sample directory:

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Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Nov 25 2008



nb1-179-2-pure

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.Edu-vnmrs400

Archive directory:

Sample directory:

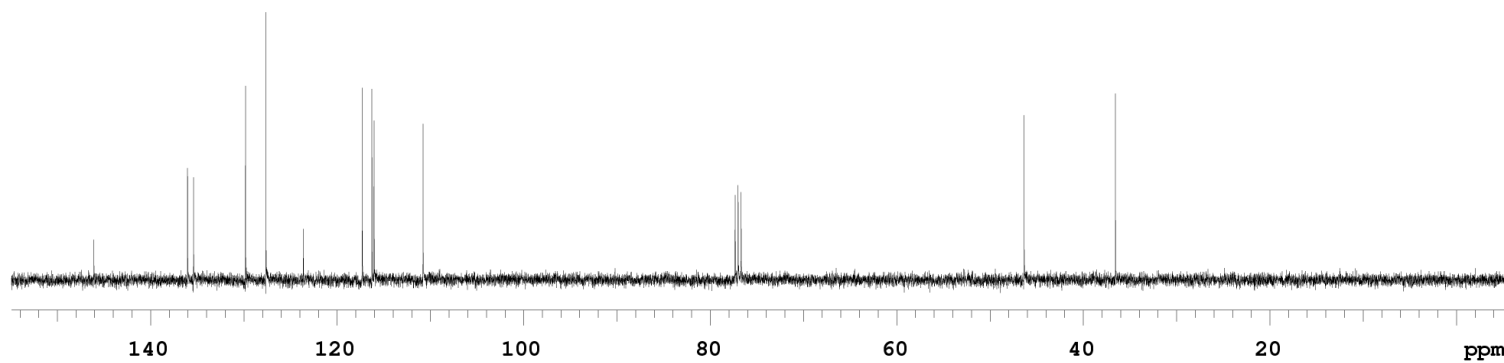
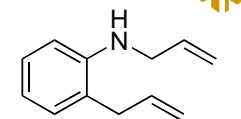
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Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Oct 17 2008

VARIAN 



nb2-130-2-pure

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

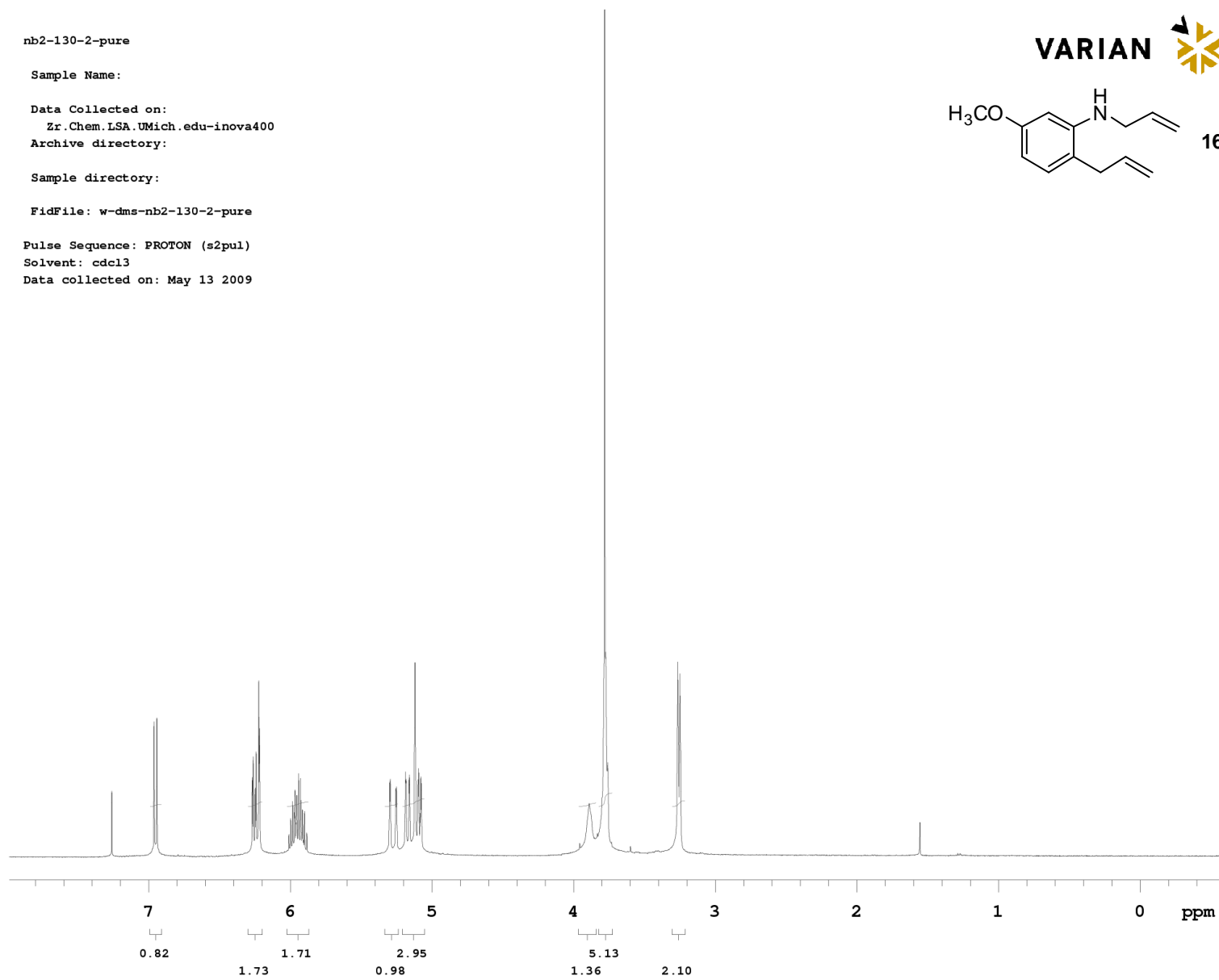
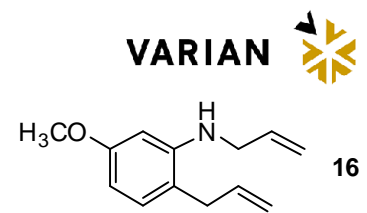
Sample directory:

FidFile: w-dms-nb2-130-2-pure

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: May 13 2009



nb2-130-2-pure

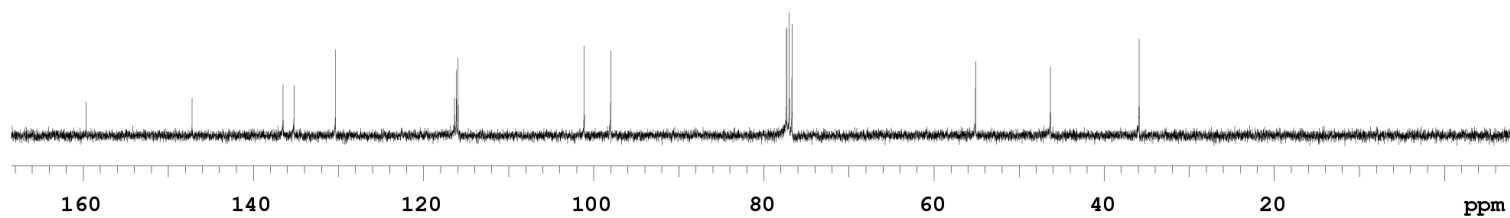
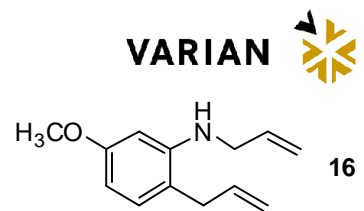
Sample Name:

Data Collected on:
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Archive directory:

Sample directory:

FidFile: w-dms-nb2-130-2-13C

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: May 13 2009



nb3-19-1

Sample Name:

Data Collected on:

Zn.Chem.LSA.UMich.edu-mercury300

Archive directory:

Sample directory:

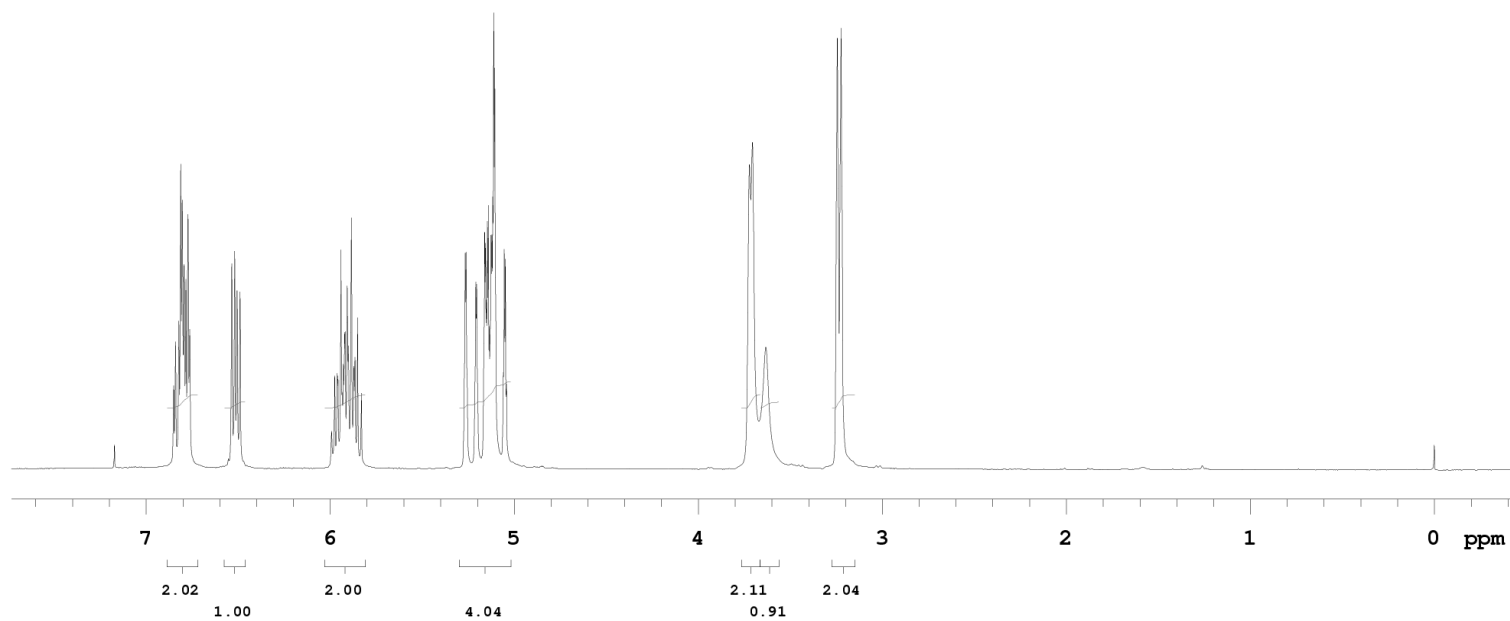
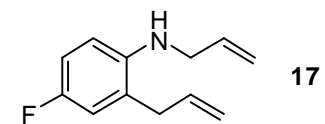
FidFile: w-dms-nb3-19-1-1H

Pulse Sequence: PROTON (s2pul)

Solvent: CDCl3

Data collected on: Sep 22 2009

VARIAN 



nb3-19-1-pure

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

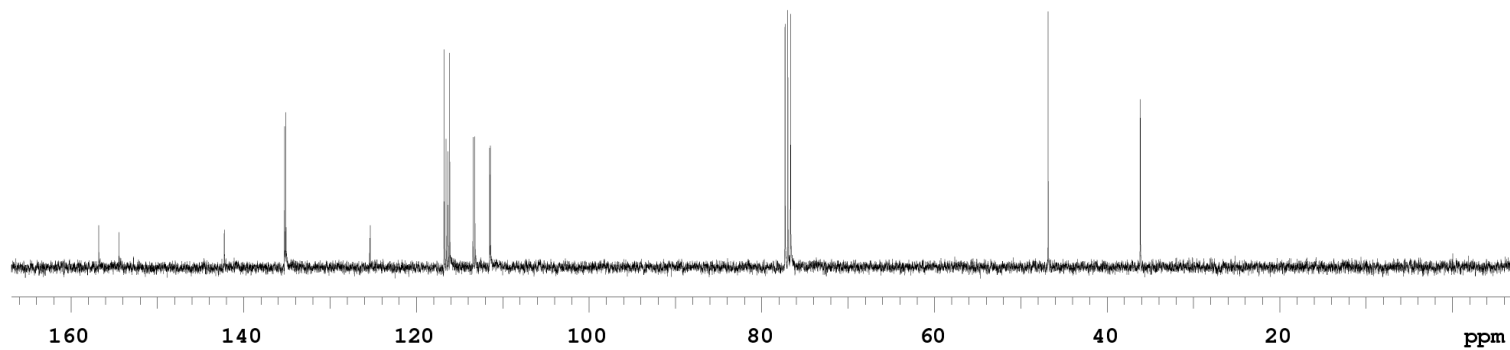
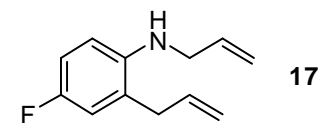
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Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Sep 17 2009

VARIAN 



nb3-20-2

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

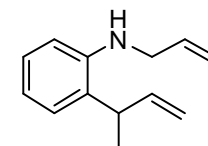
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Pulse Sequence: PROTON (s2pul)

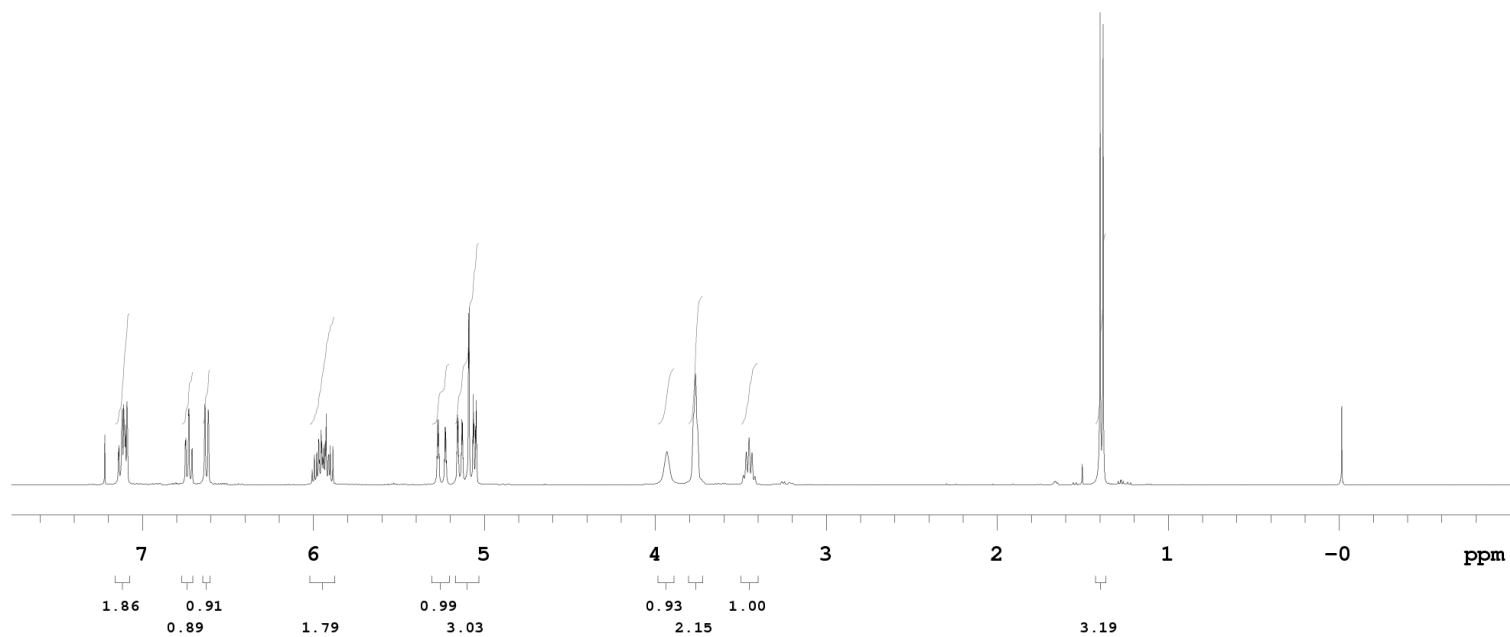
Solvent: cdcl3

Data collected on: Sep 19 2009

VARIAN 



18



nb3-20-2

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

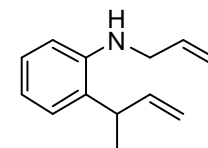
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Pulse Sequence: CARBON (s2pul)

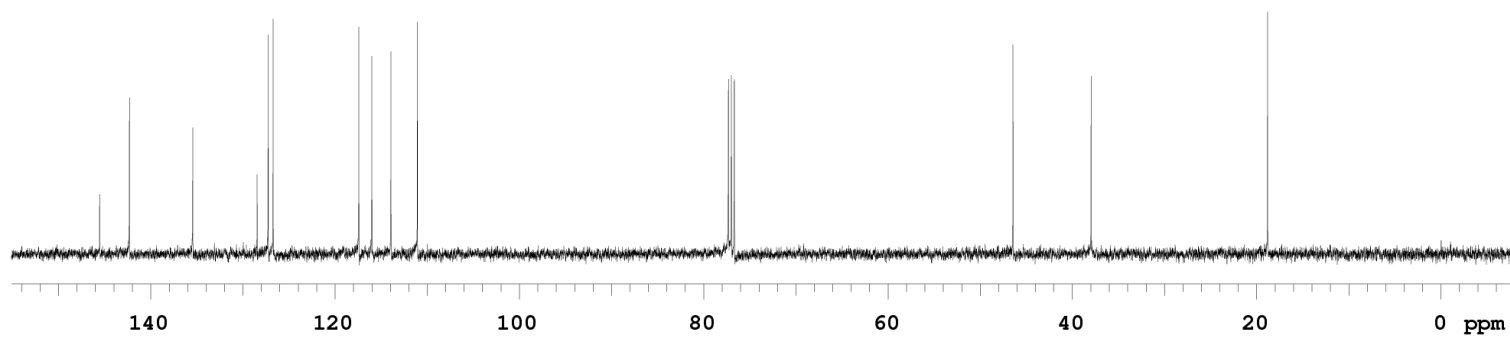
Solvent: cdcl3

Data collected on: Sep 19 2009

VARIAN 



18



nb2-61-1-pure

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.Edu-vnmrs400

Archive directory:

Sample directory:

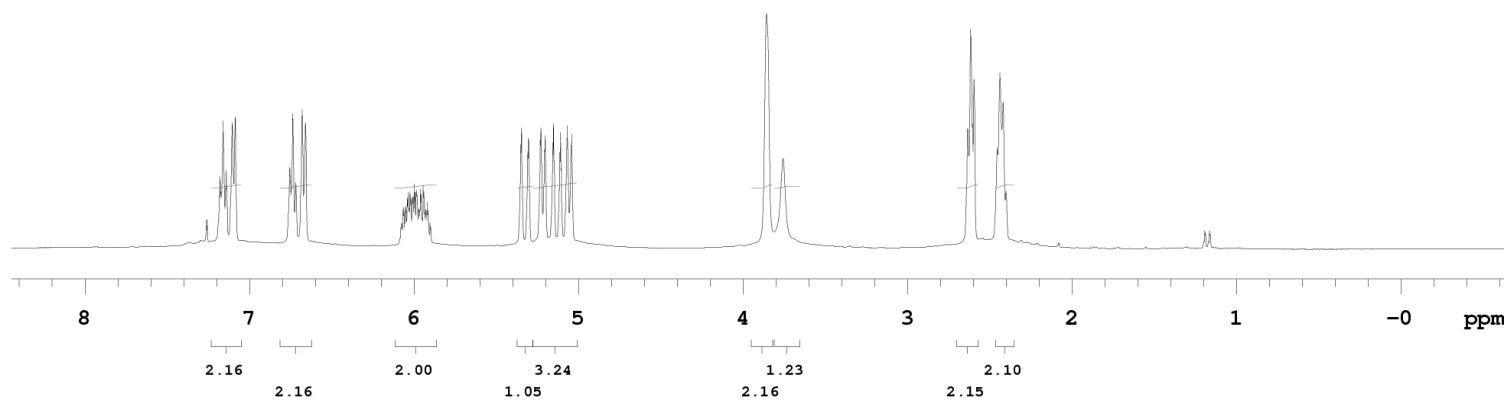
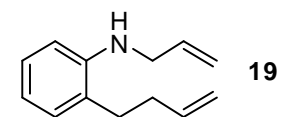
FidFile: w-dms-nb2-61-1-pure

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 29 2009

VARIAN 



nb2-61-1-pure

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.Edu-vnmrs400

Archive directory:

Sample directory:

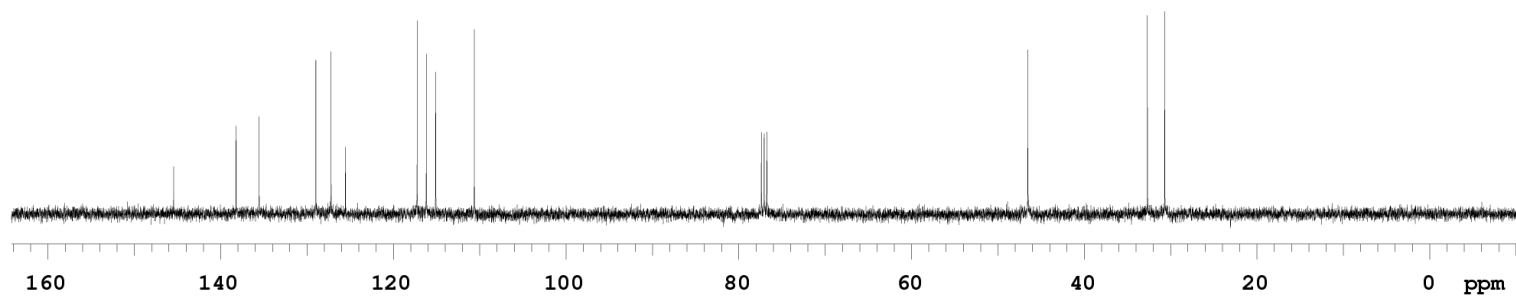
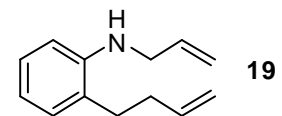
FidFile: w-dms-nb2-61-1-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 29 2009

VARIAN 



nb3-14-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

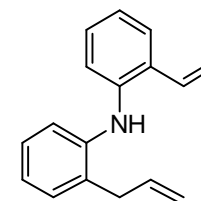
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Pulse Sequence: PROTON (s2pul)

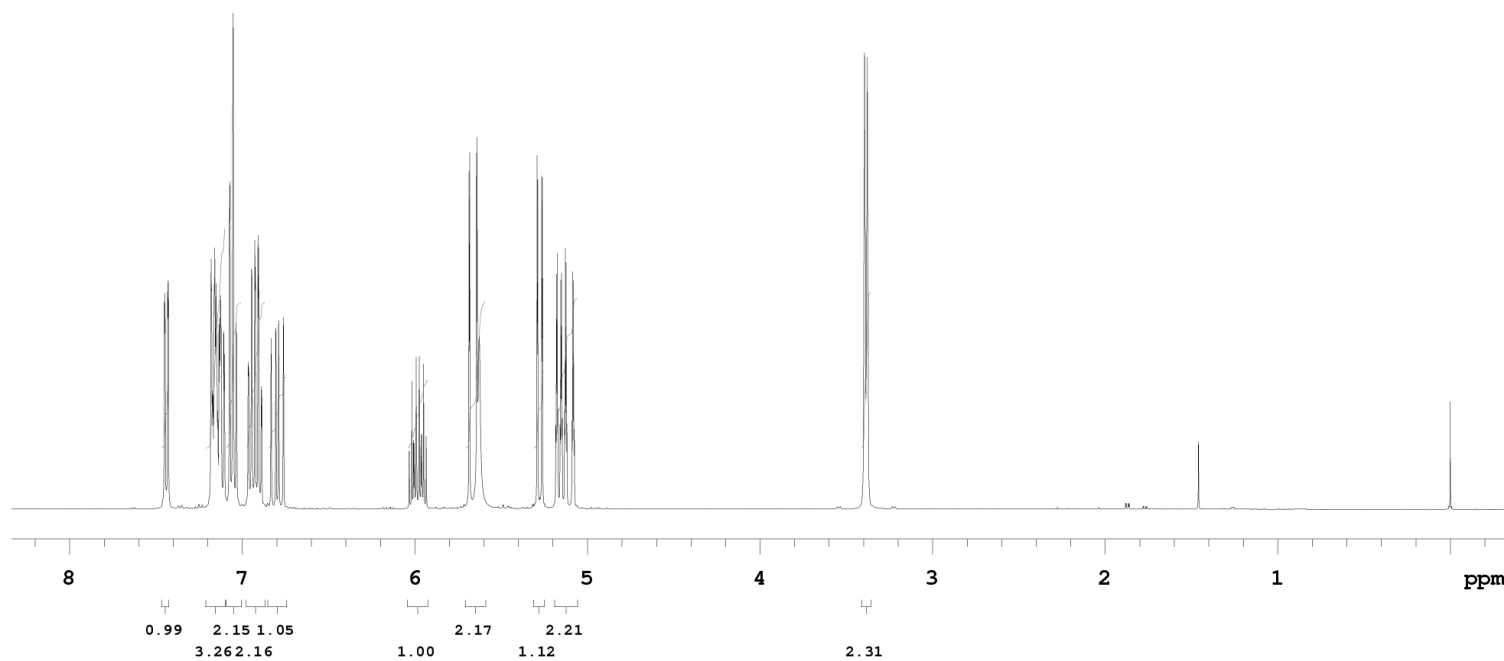
Solvent: cdcl3

Data collected on: Sep 23 2009

VARIAN 



30



NB2-67-1-pure

Sample Name:

Data Collected on:

Co.Chem.LSA.UMich.Edu-vnmrs400

Archive directory:

Sample directory:

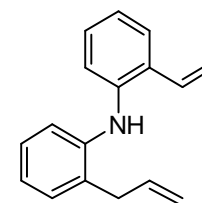
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Pulse Sequence: CARBON (s2pul)

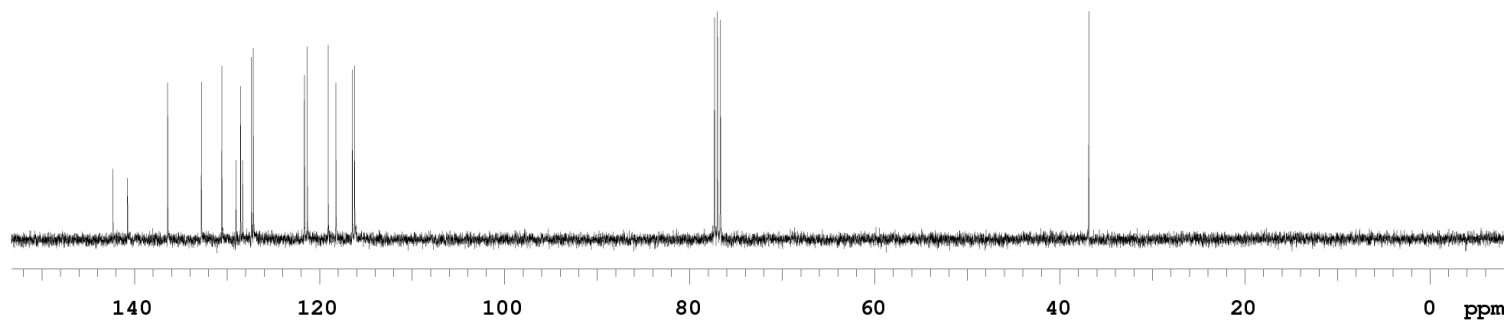
Solvent: cdcl3

Data collected on: Feb 3 2009

VARIAN 



30



nb3-37-1-pure

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.edu-vnmrs400

Archive directory:

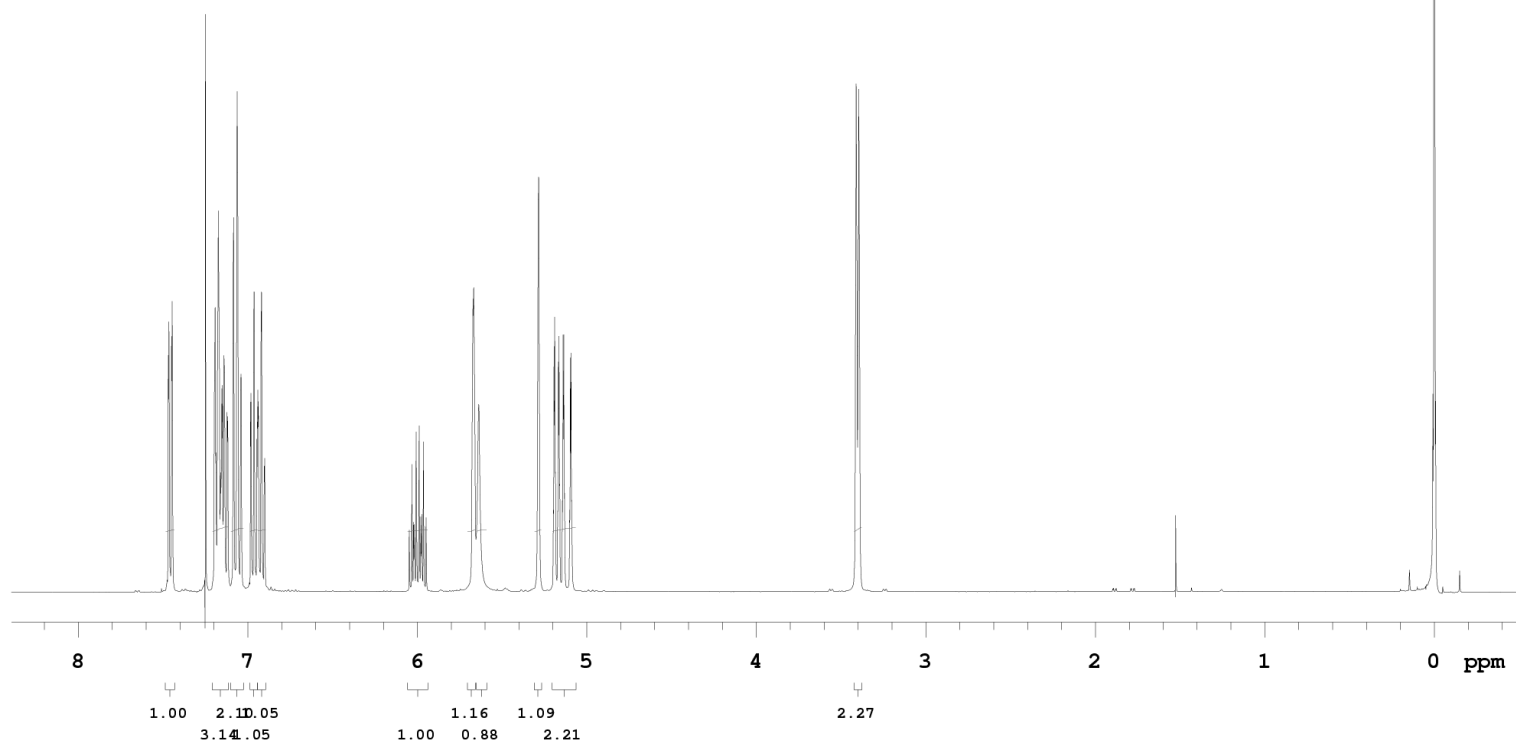
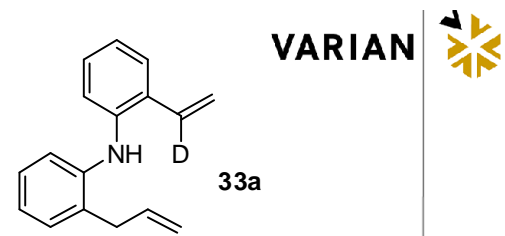
Sample directory:

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Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 13 2009



nb3-37-1

Sample Name:

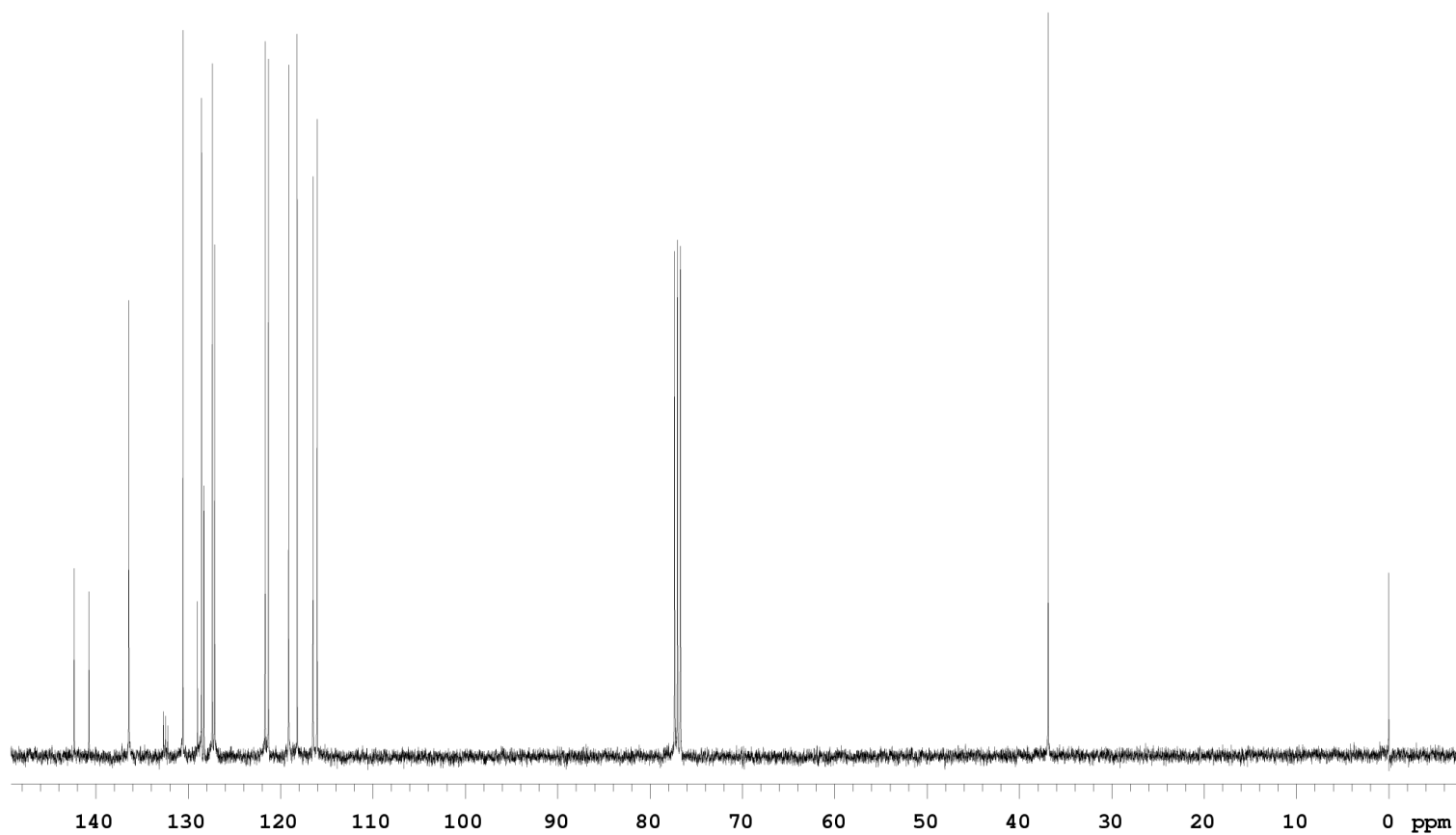
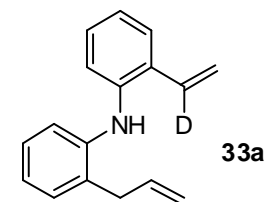
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Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 13 2009

VARIAN 



nb3-41-2

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

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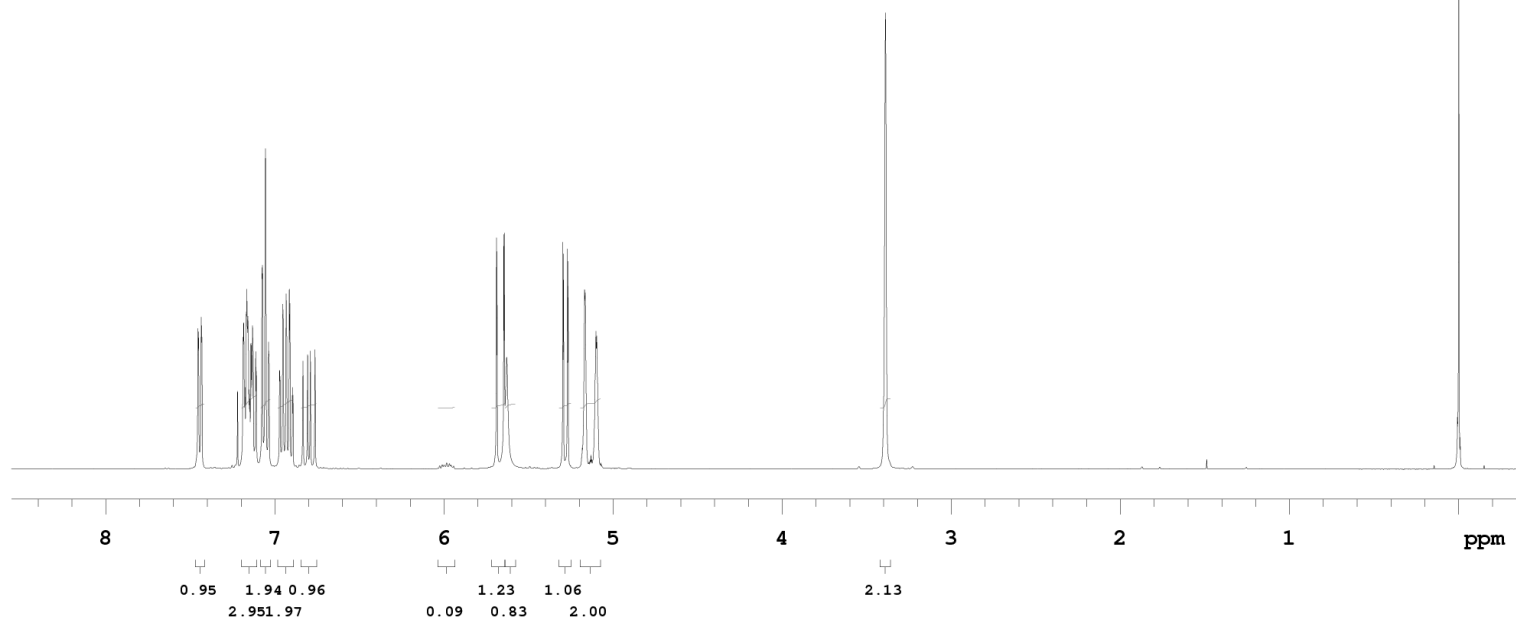
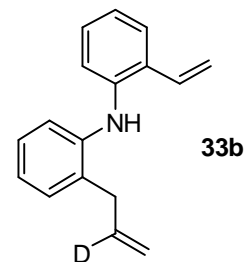
Sample directory:

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Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 17 2009



nb3-41-2

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

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Sample directory:

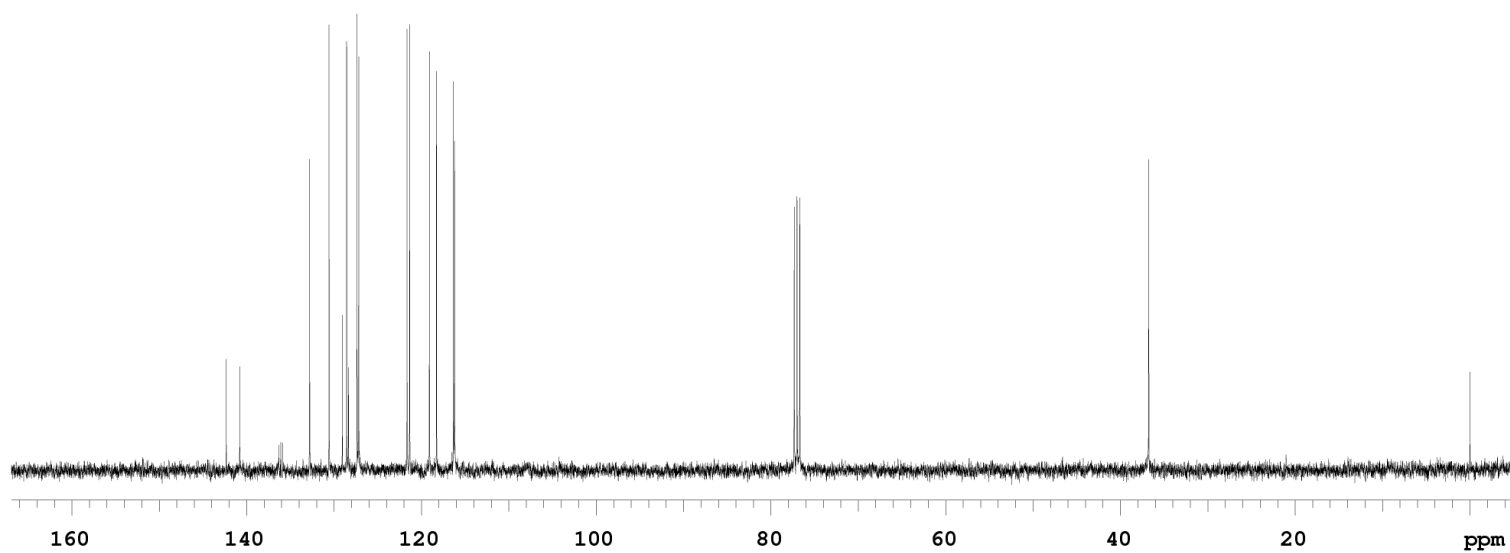
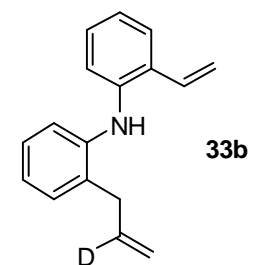
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Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Oct 17 2009

VARIAN 



nb3-102

Sample Name:

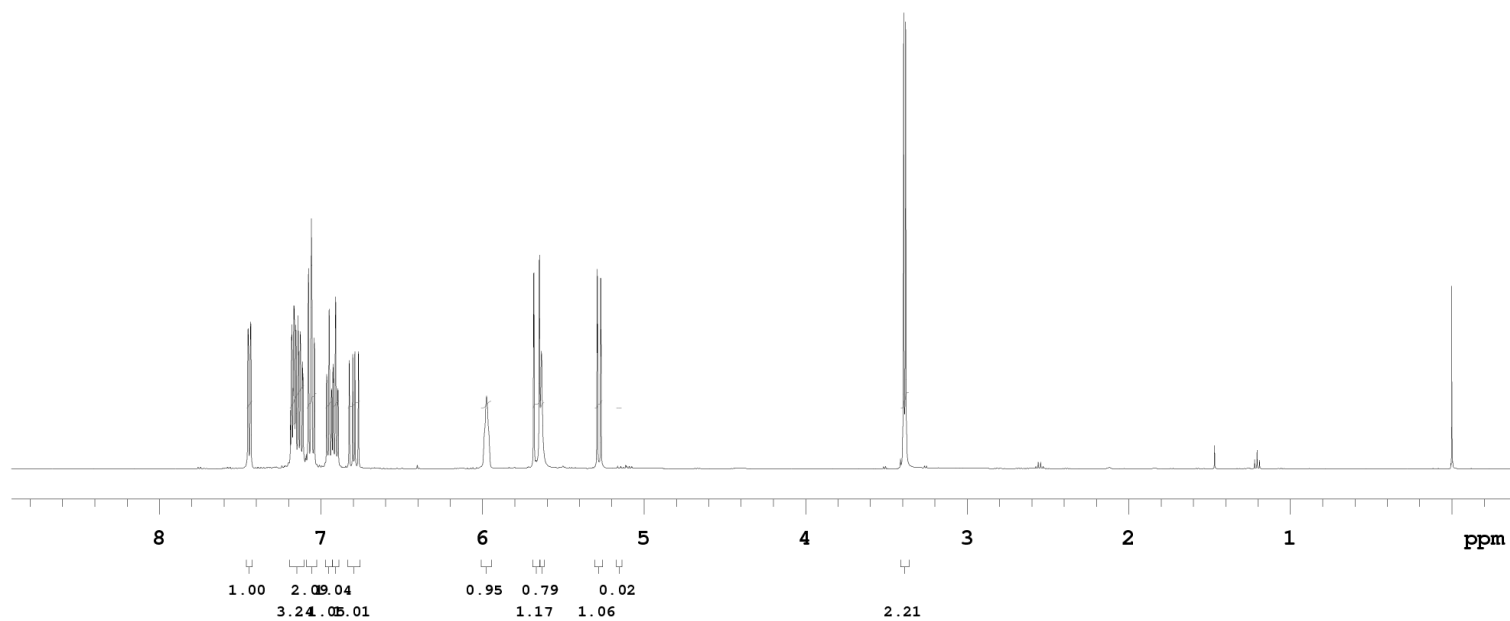
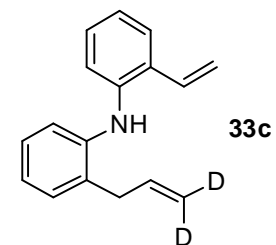
Data Collected on:
Sn.Chem.LSA.UMich.edu-inova500
Archive directory:

Sample directory:

FidFile: w-dms-nb3-102-1-1H

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Dec 7 2009

VARIAN 



nb3-102-1

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.edu-vnmrs400

Archive directory:

Sample directory:

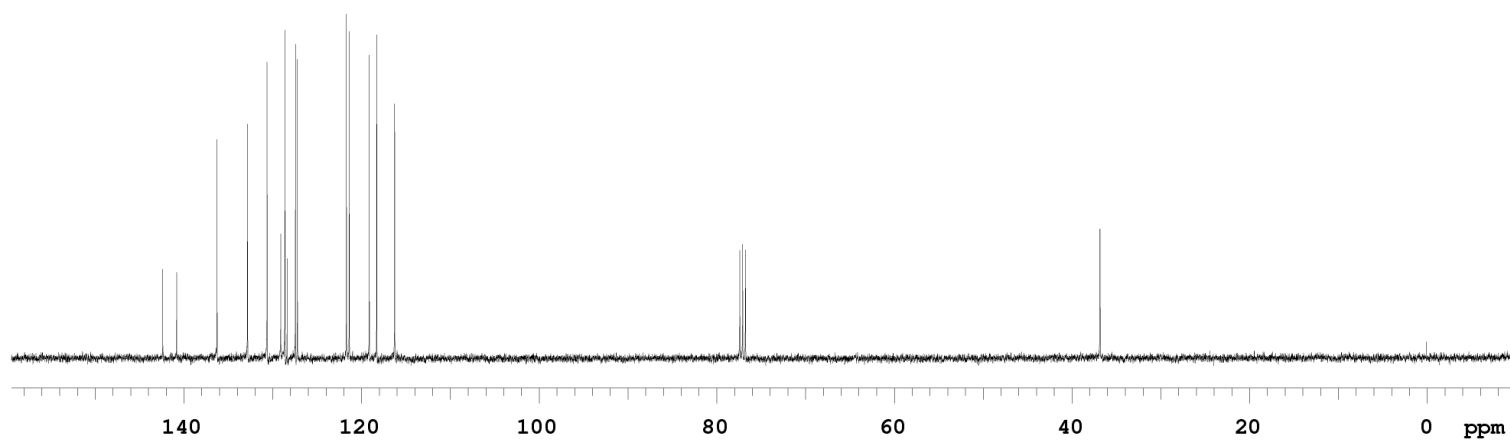
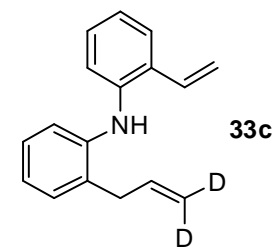
FidFile: w-dms-nb3-102-1-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 7 2009

VARIAN 



nb2-101-1-monocyclized

Sample Name:

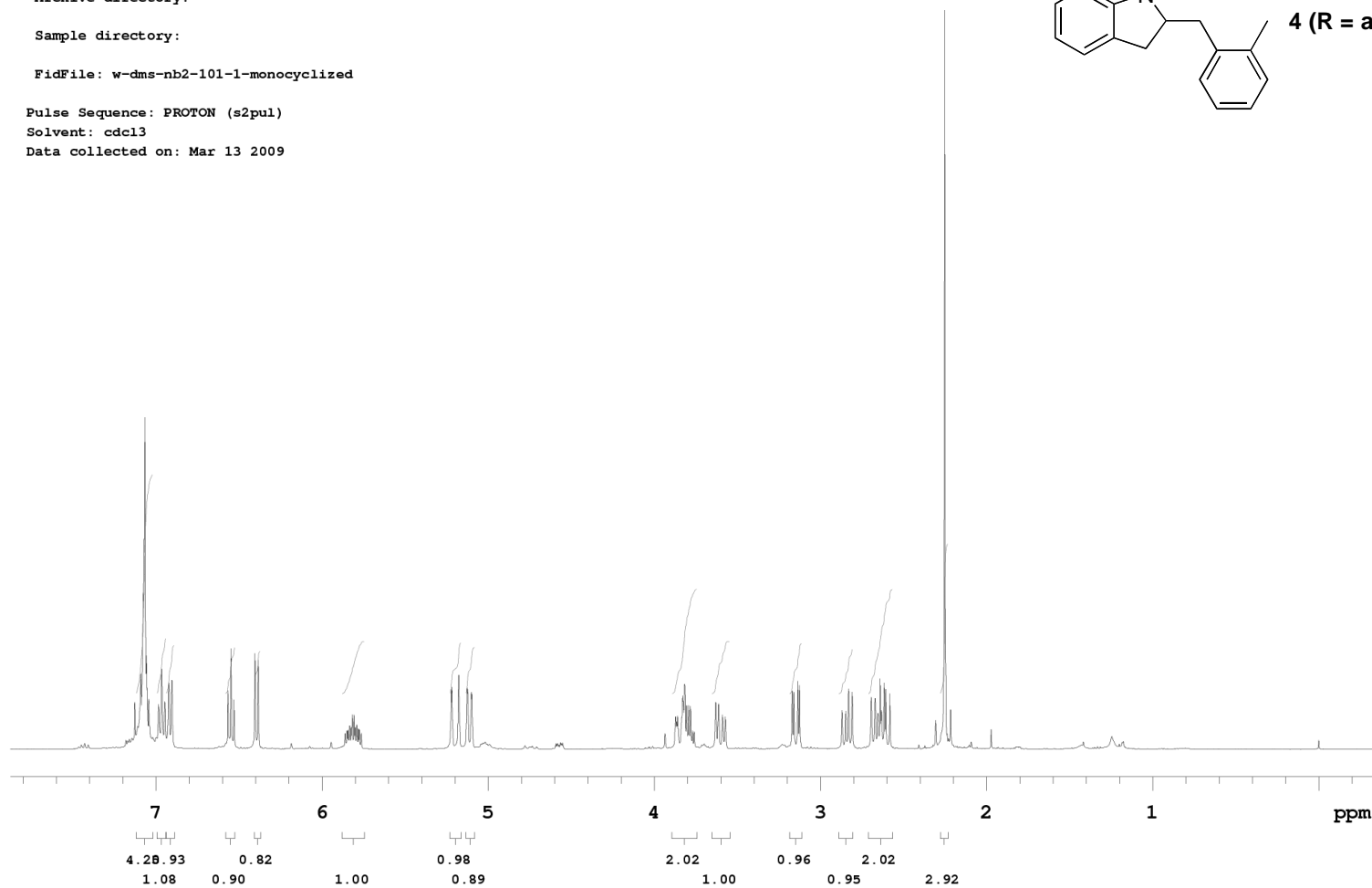
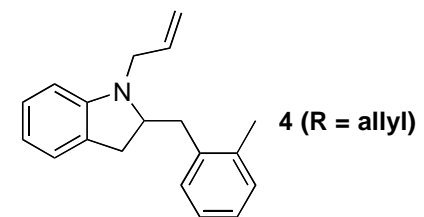
Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-101-1-monocyclized

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Mar 13 2009

VARIAN 



nb2-101-1-monocyclized

Sample Name:

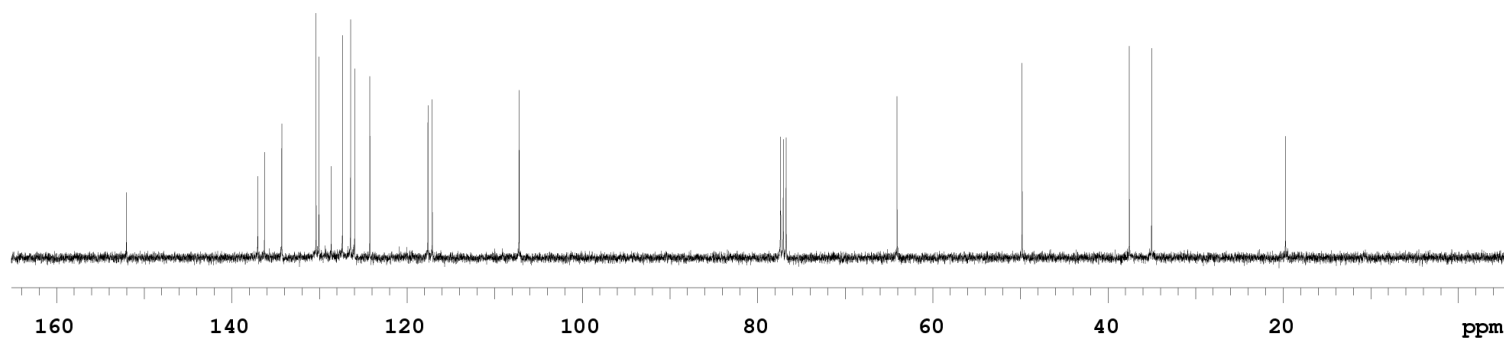
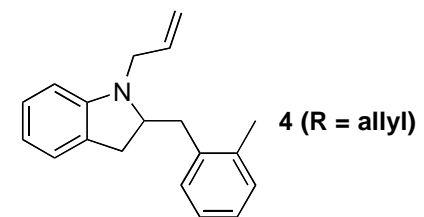
Data Collected on:
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Archive directory:

Sample directory:

FidFile: w-dms-nb2-101-1-13Cmonocyclized

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 13 2009

VARIAN 



nb2-192-2-pure

Sample Name:

Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400

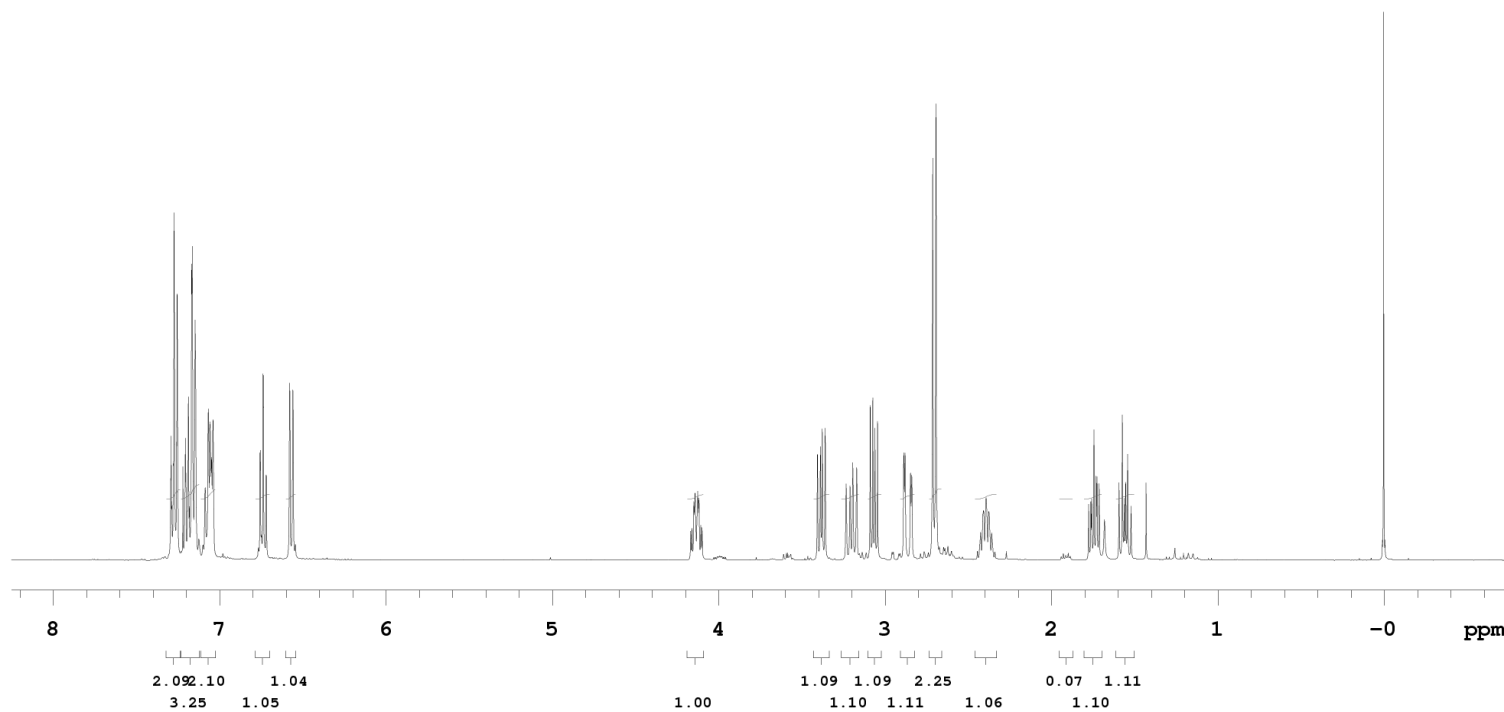
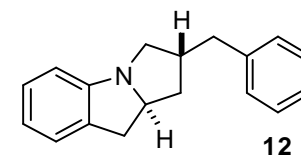
Archive directory:

Sample directory:

FidFile: w-dms-nb2-192-2-1H

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Aug 20 2009

VARIAN 



nb2-192-2-pure

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

Sample directory:

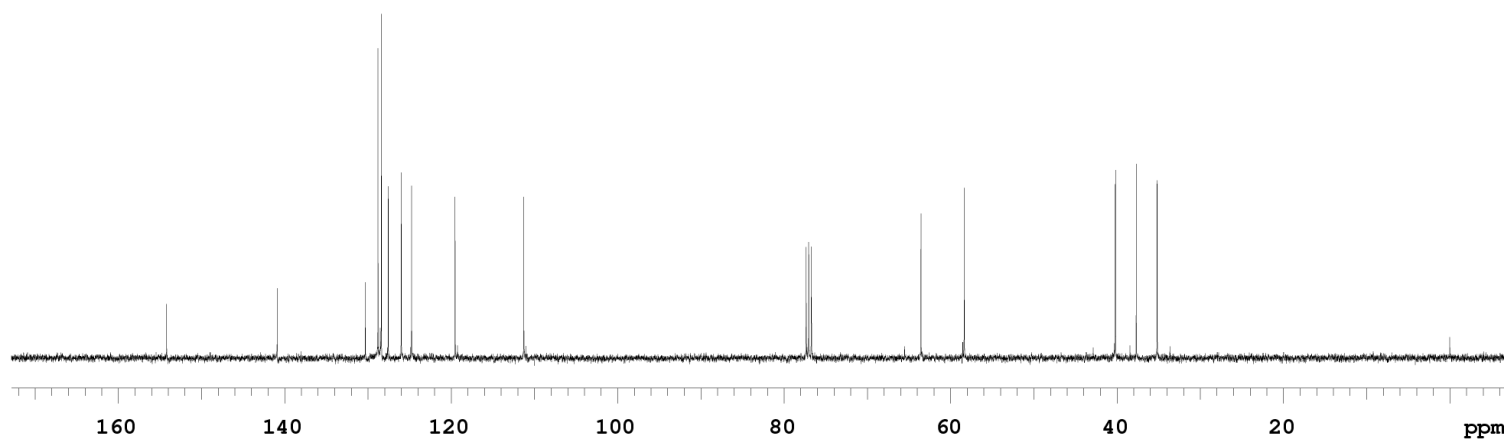
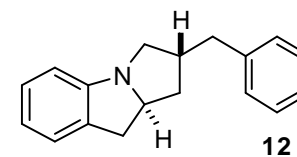
FidFile: w-dms-nb2-192-2-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Aug 20 2009

VARIAN 



nb3-18-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

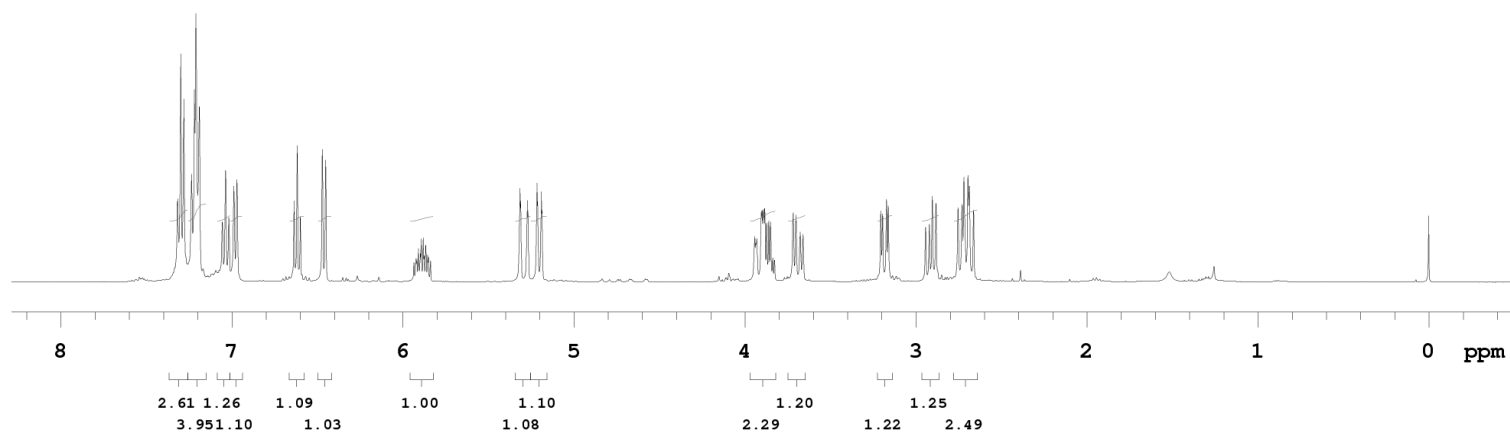
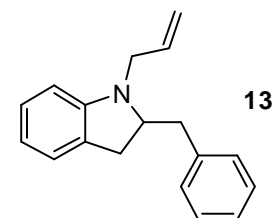
FidFile: w-dms-nb3-18-1-pure

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 18 2009

VARIAN 



nb3-18-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

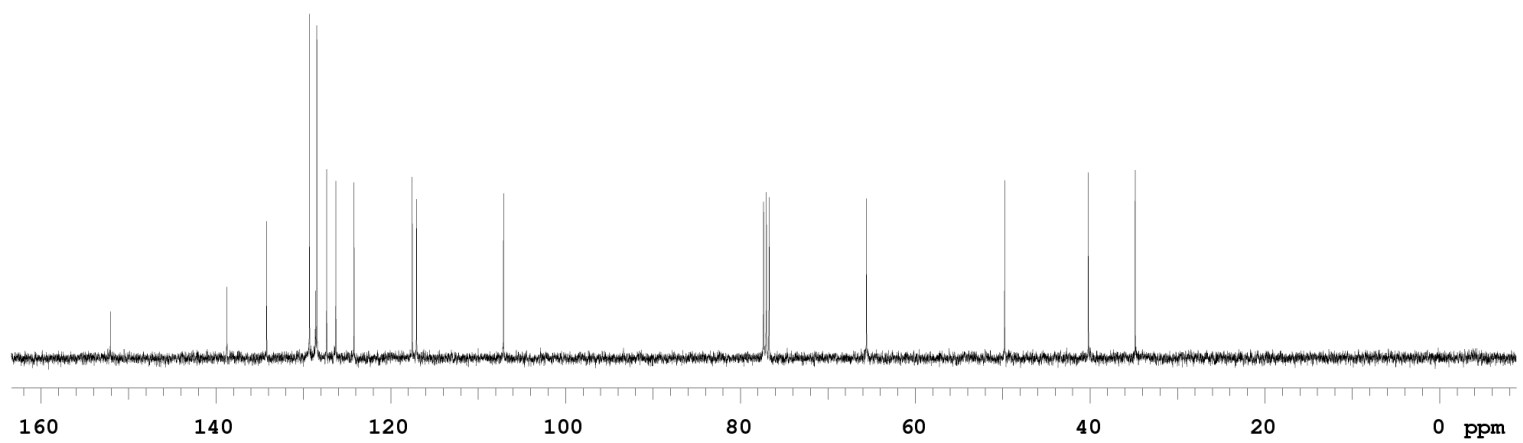
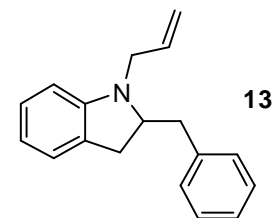
FidFile: w-dms-nb3-18-2-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Sep 18 2009

VARIAN 



nb1-200-2

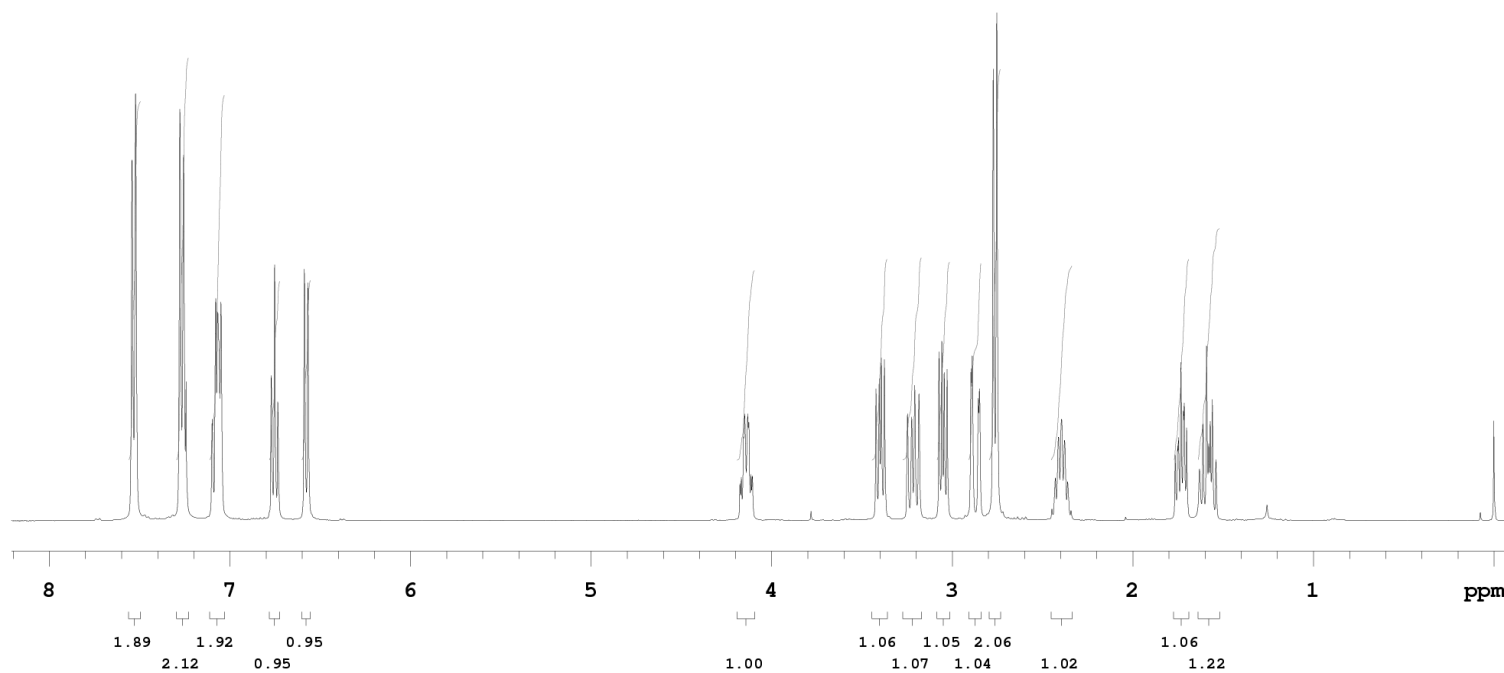
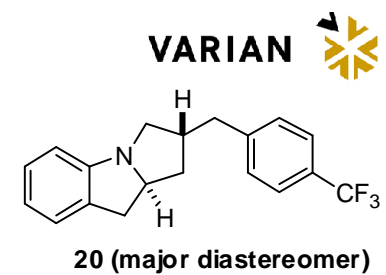
Sample Name:

Data Collected on:
Co.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

FidFile: w-dms-nb1-200-2-1H

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Sep 25 2009



nb1-200-2

Sample Name:

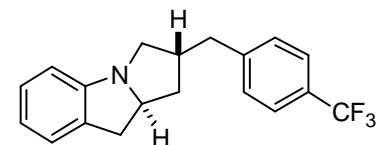
Data Collected on:
Co.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

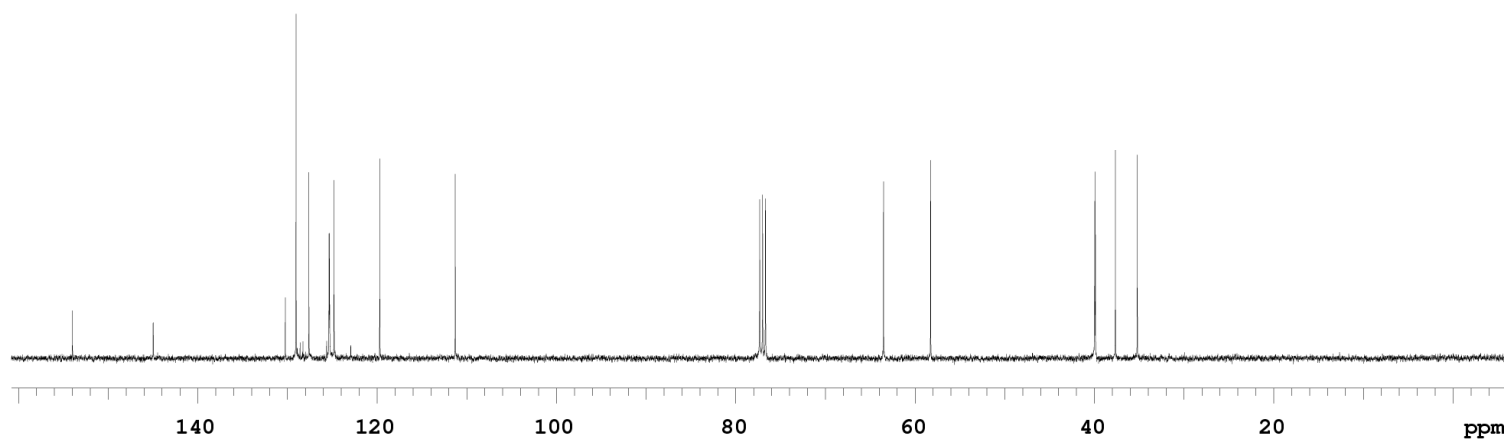
FidFile: w-dms-nb1-200-2-13C

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Sep 25 2009

VARIAN 



20 (major diastereomer)



nb3-27-2 minor diastereomer

Sample Name:

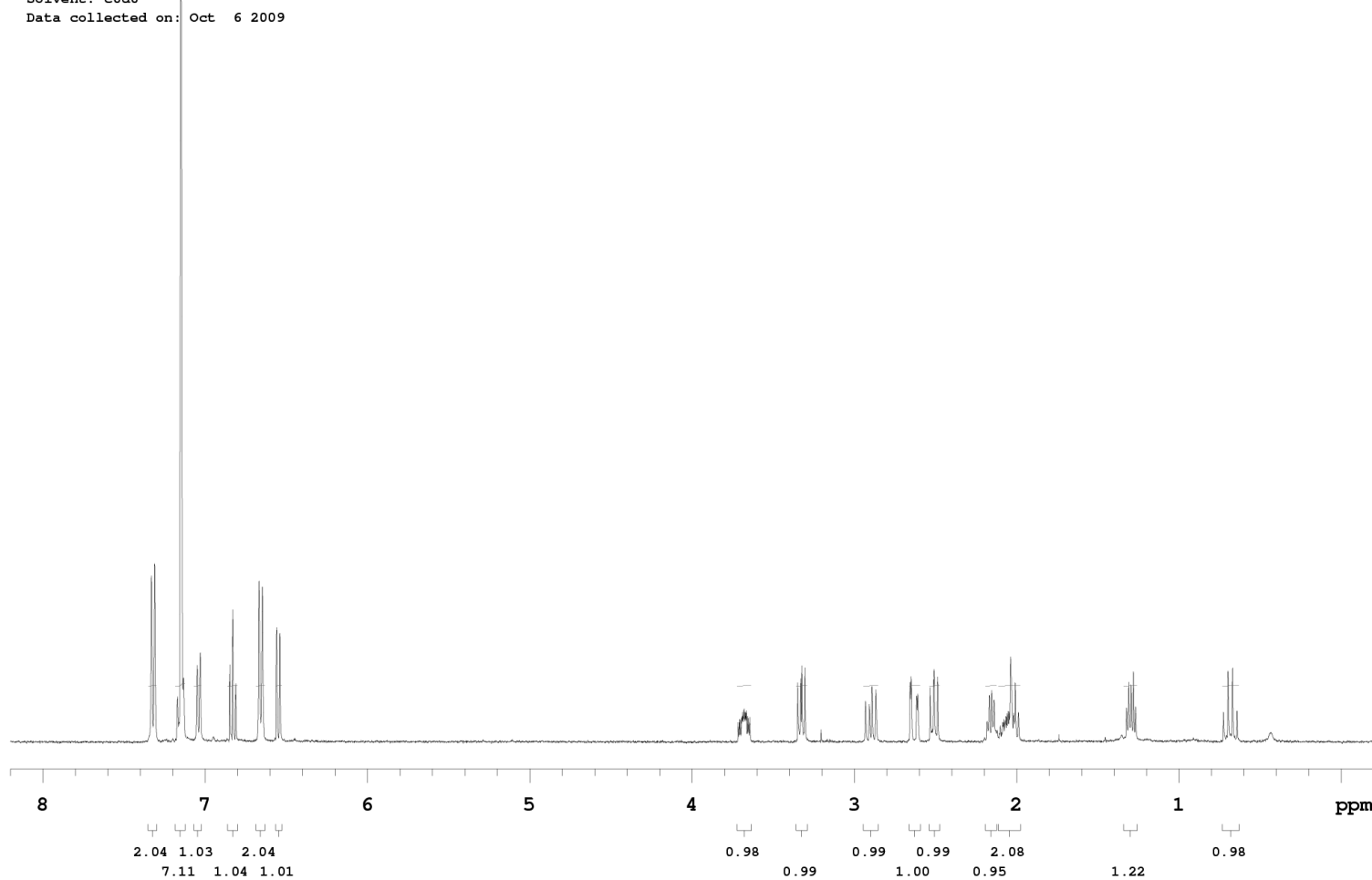
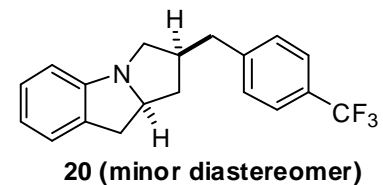
Data Collected on:
Ga.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

FidFile: w-dms-nb3-27-2-1H

Pulse Sequence: PROTON (s2pul)
Solvent: c6d6
Data collected on: Oct 6 2009

VARIAN 



nb3-27-2

Sample Name:

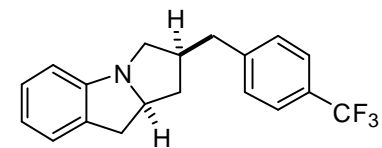
Data Collected on:
Co.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

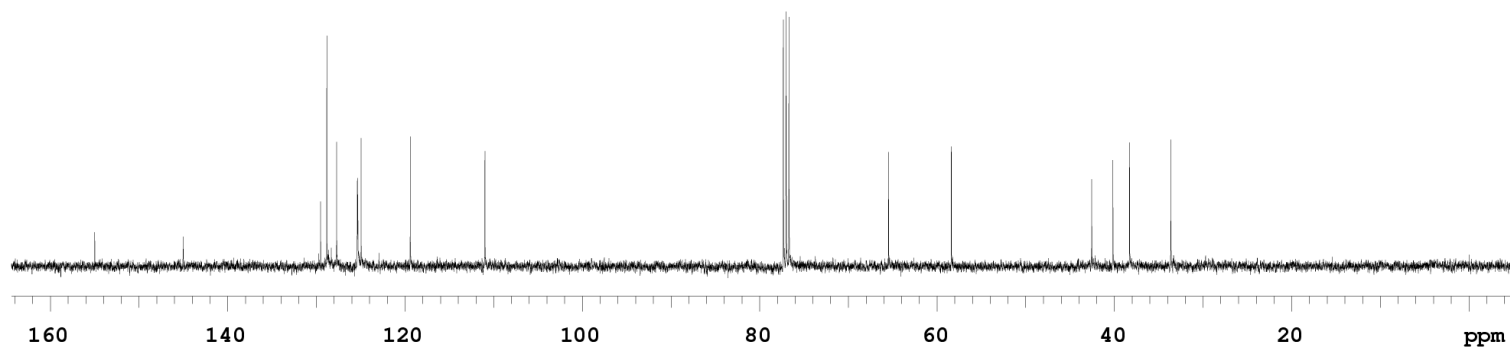
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 1 2009

VARIAN 



20 (minor diastereomer)



nb3-27-2

Sample Name:

Data Collected on:
Zr.Chem.LSA,UMich.edu-inova400
Archive directory:
/export/home/chempack/vmr/sys/data
Sample directory:

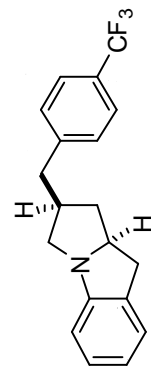
FidFile: w-dms-nb3-27-2-cosy

Pulse Sequence: gCOSY
Solvent: c6d6
Data collected on: Oct 6 2009

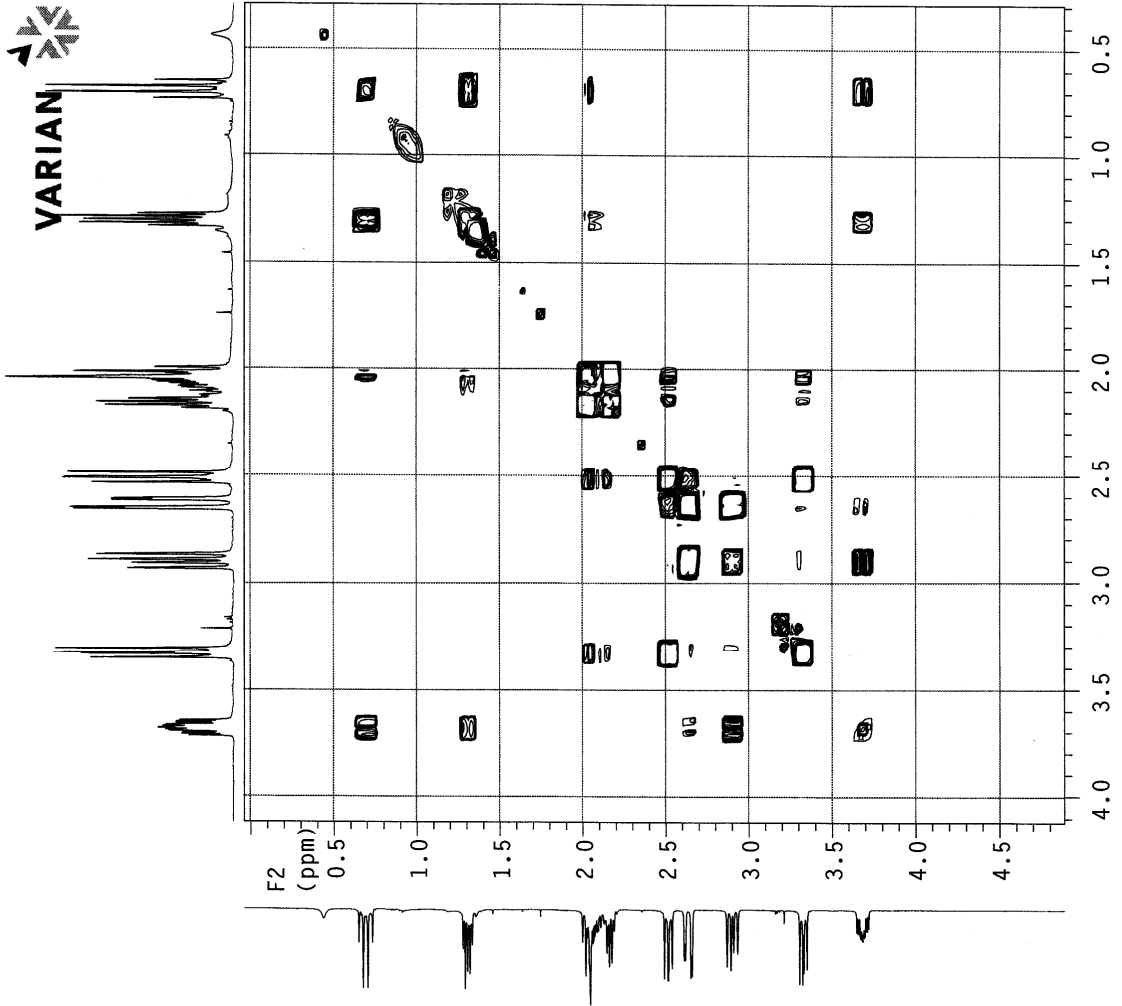
Temp. 25.0 C / 298.1 K
Operator: danims

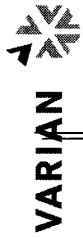
Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6399.5 Hz
2D Width 6399.5 Hz
2 repetitions

128 increments
OBSERVE H1, 399.9649718 MHz
DATA PROCESSING
Sq. sine bell 0.075 sec
F1 DATA PROCESSING
Sq. sine bell 0.020 sec
FT size 2048 x 2048
Total time 5 min 45 sec



20 (minor diastereomer)





nb3-27-2-noe with longer 500ms mixing time

Sample Name:

Data Collected on:
Ga.Chem.LSA.UMich.edu-vmrs400
Archive directory:

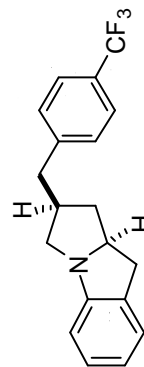
Sample directory:

Fidfile: w-dms-nb3-27-2-2r0e

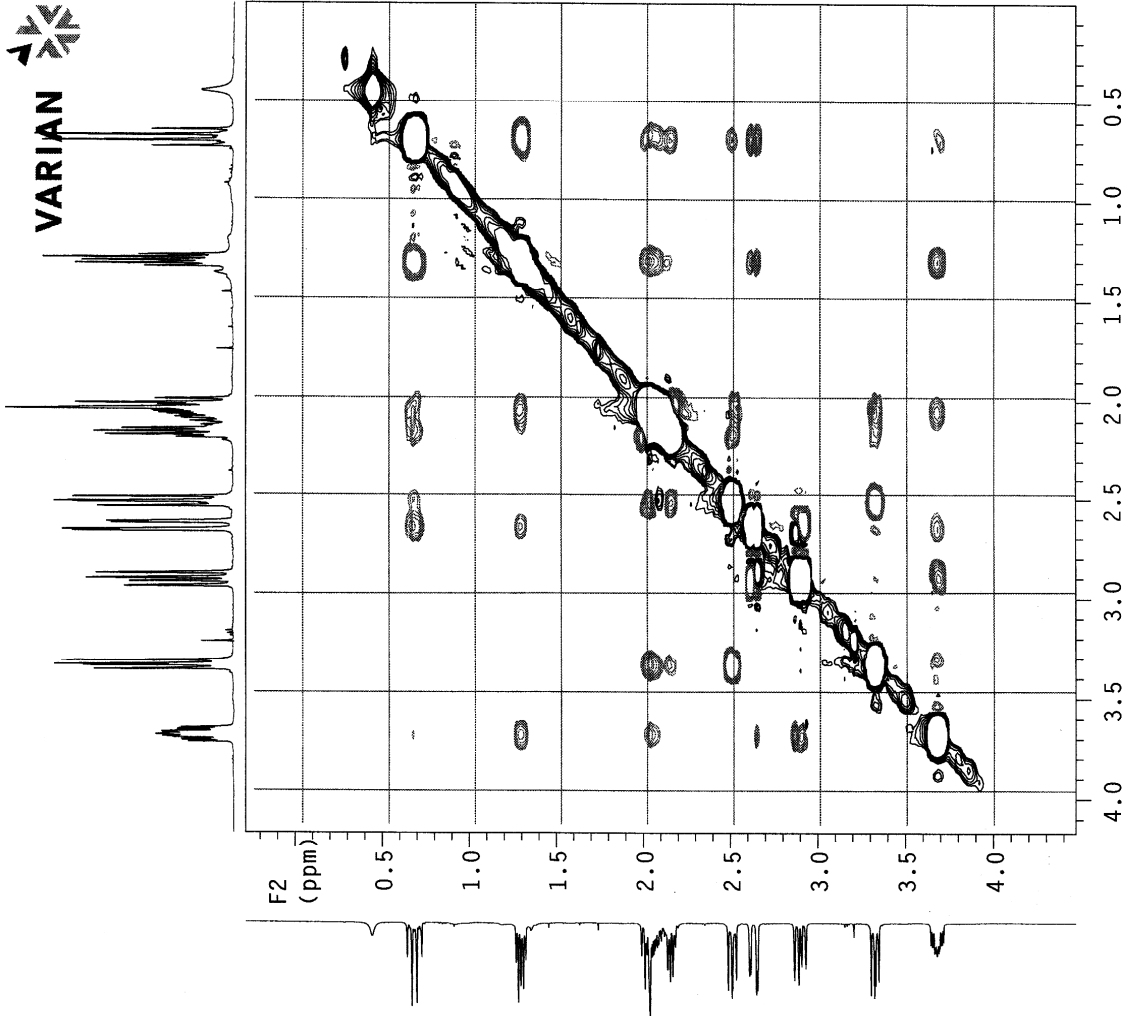
Pulse Sequence: NOESY
Solvent: c6d6
Data collected on: Oct 8 2009

Temp. 35.0 C / 308.1 K
Operator: danims

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 6410.3 Hz
8 repetitions
2 x 128 increments
OBSERVE H1, 399.5389422 MHz
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.018 sec
FT size 2048 x 2048
Total time 58 min



20 (minor diastereomer)



nb1-172-vials5,6,7-fractions 22-36

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.Edu-vnmrs400

Archive directory:

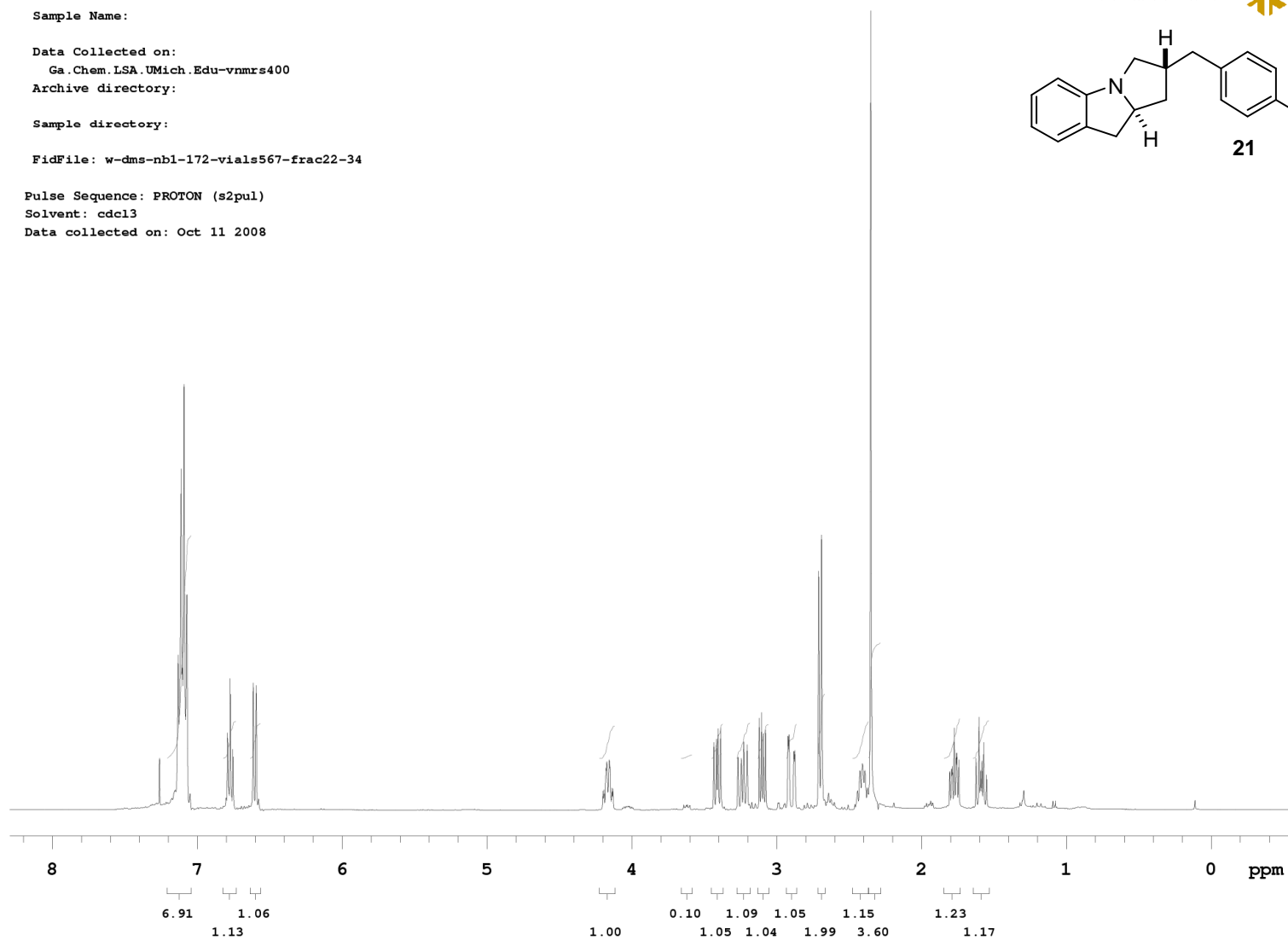
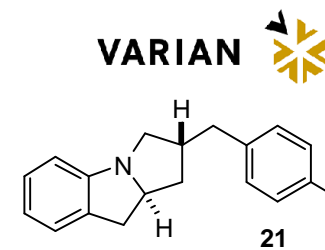
Sample directory:

FidFile: w-dms-nb1-172-vials567-frac22-34

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 11 2008



nb1-176-pure

Sample Name:

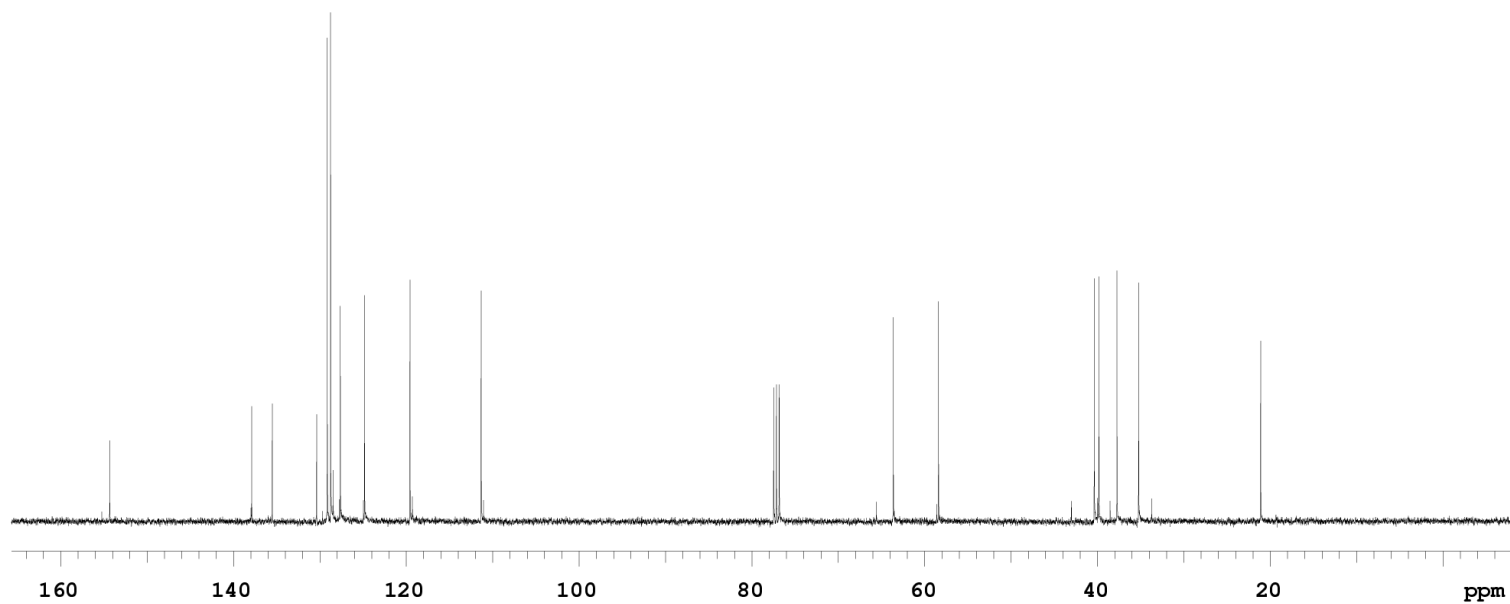
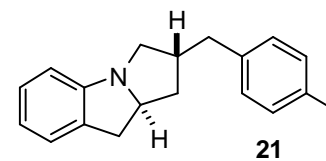
Data Collected on:
Co.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 1 2009

VARIAN 





nb1-172-vials5,6,7-fractions 3-7

Sample Name:

Data Collected on:
Ga.Chem.LSA.UMich.Edu-vmrs400
Archive directory:

Sample directory:

FidFile: w-dms-nb1-172-cosy-2

Pulse Sequence: gCOSY

Solvent: cdcl3
Data collected on: Oct 13 2008

Operator: danims

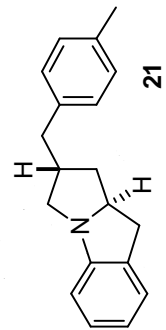
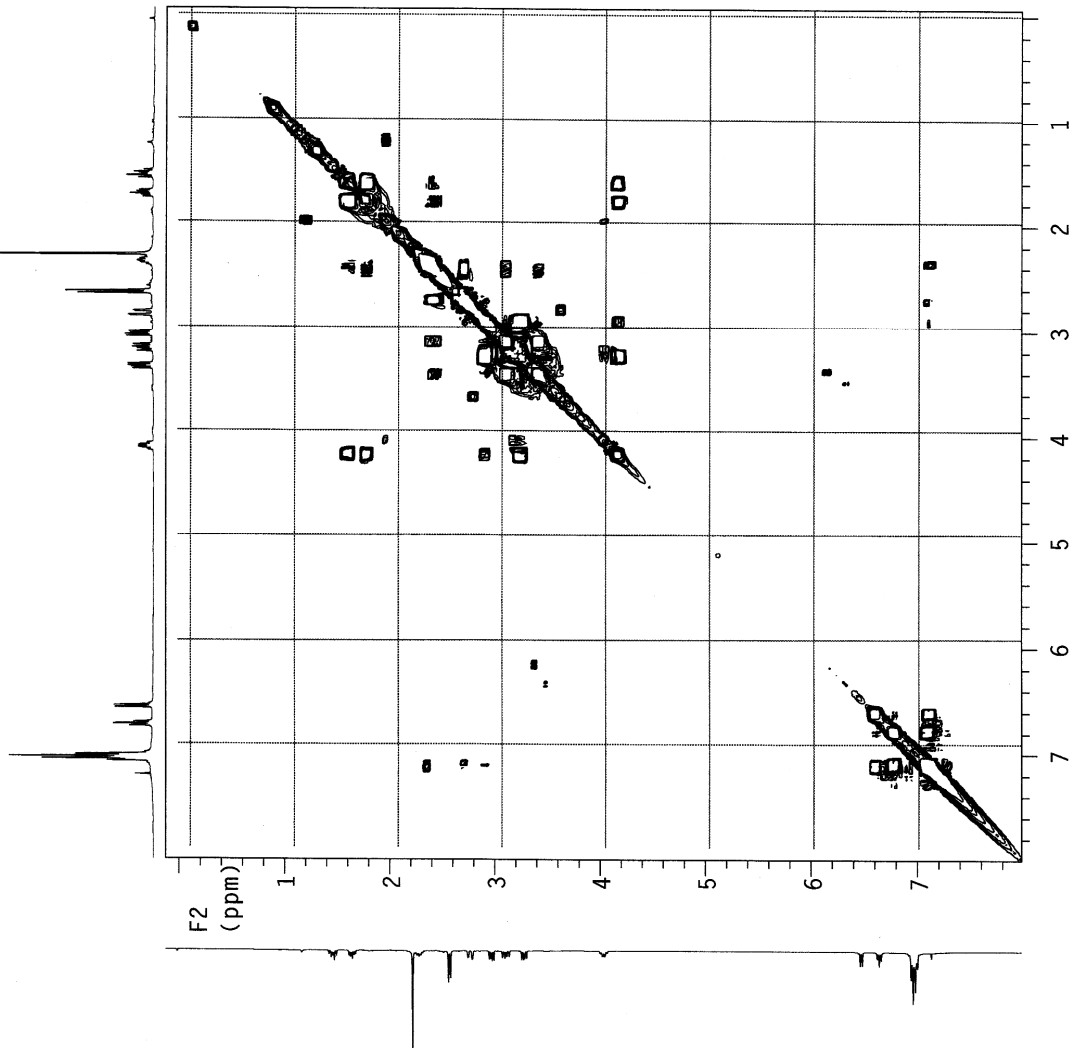
Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 6410.3 Hz
2 repetitions

128 increments
OBSERVE H1, 399.5389189 MHz
DATA PROCESSING

Sq. sine bell 0.075 sec
F1 DATA PROCESSING

Sq. sine bell 0.020 sec
FT size 2048 x 2048

Total time 3 min 12 sec





nb1-176-pure

Sample Name:

Data Collected on:
Co.Chem.LSA-UMich.edu-vmrs400
Archive directory:

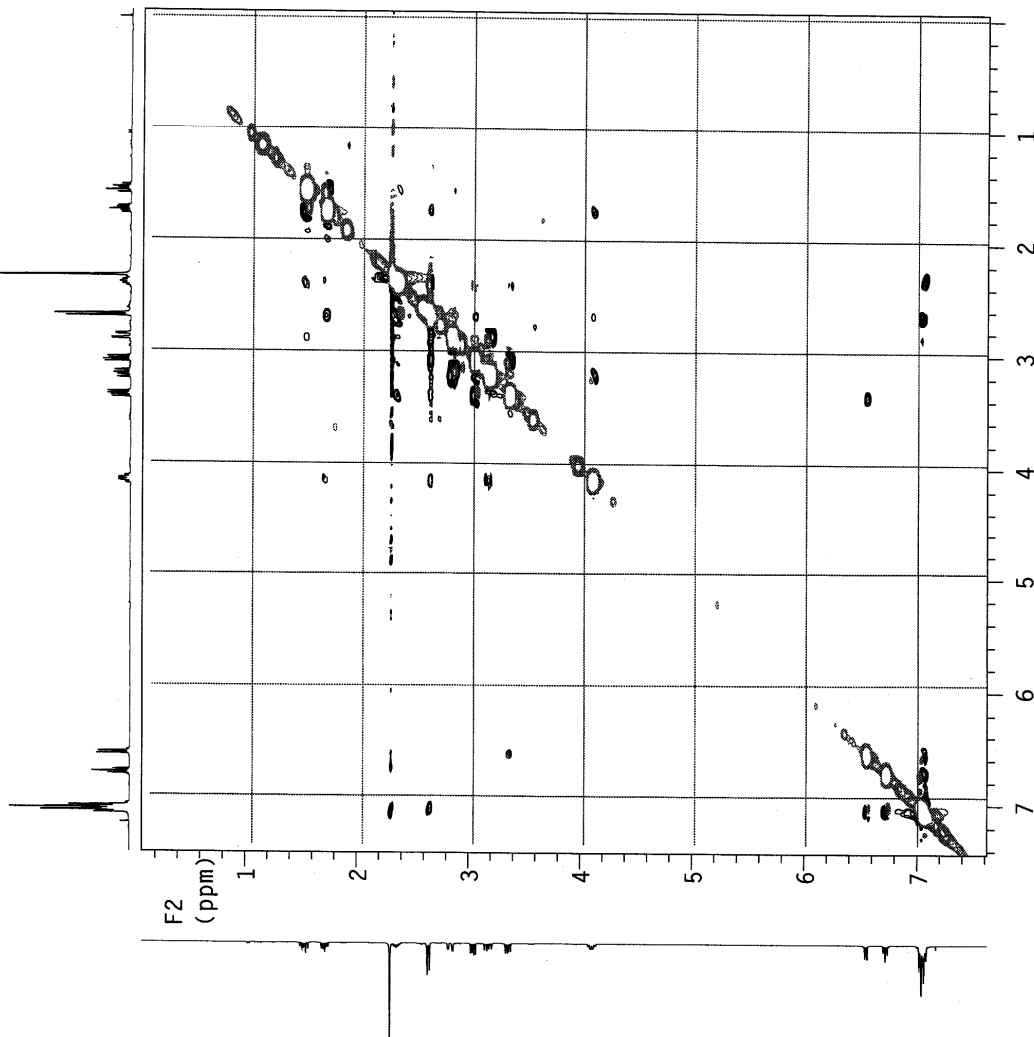
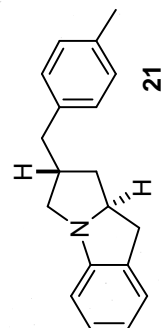
Sample directory:

FidFile: w-dms-nb1-176-1-2noe

Pulse Sequence: NOESY
Solvent: cdcl3
Data collected on: Oct 1 2009

Operator: danims

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 6410.3 Hz
8 repetitions
2 x 128 increments
OBSERVE H1, 400.5206029 MHz
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.018 sec
FT size 2048 x 2048
Total time 47 min



nb1-200-1

Sample Name:

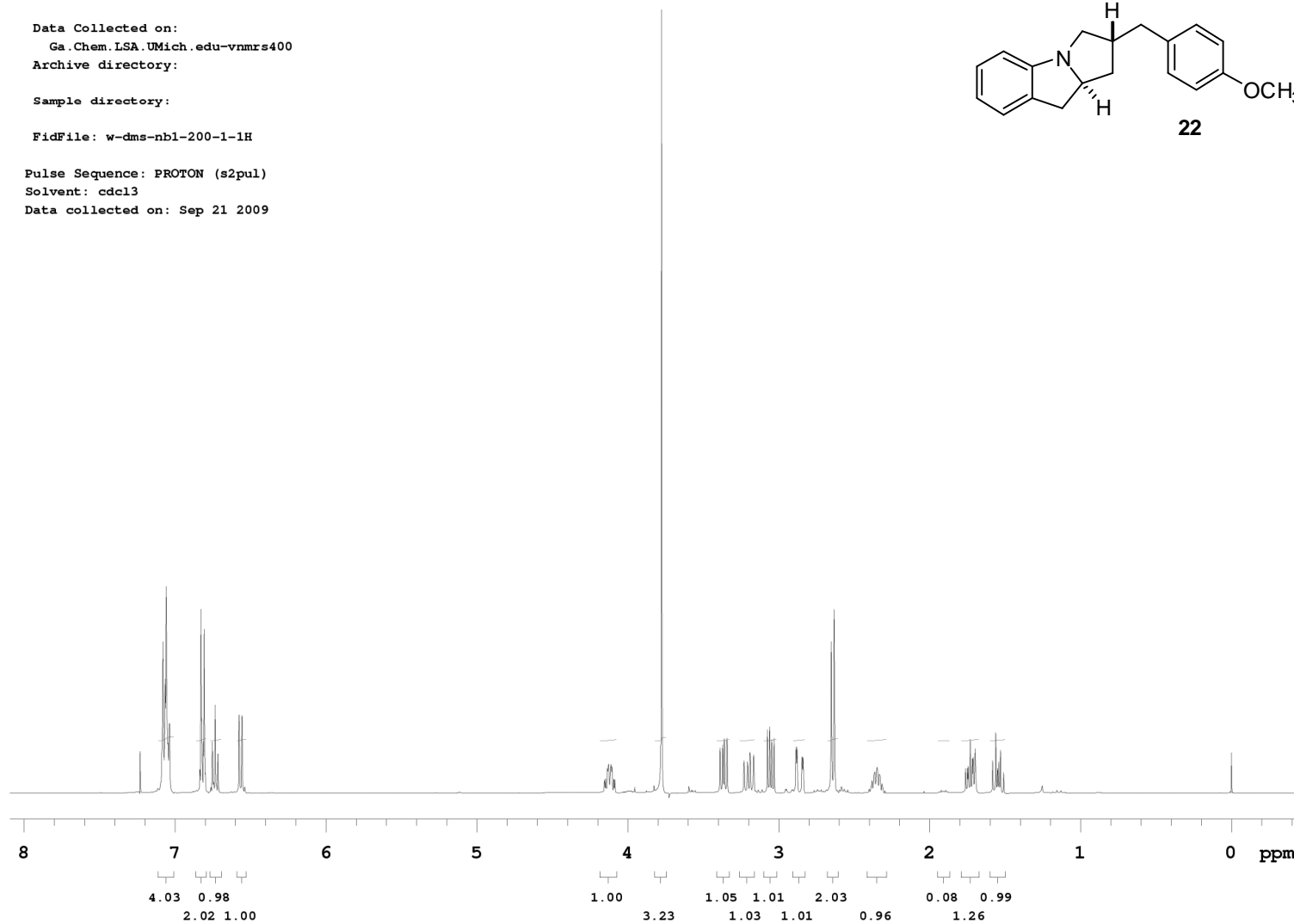
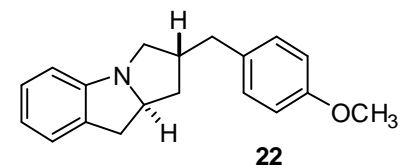
Data Collected on:
Ga.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

FidFile: w-dms-nb1-200-1-1H

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Sep 21 2009

VARIAN 



nb1-200-1

Sample Name:

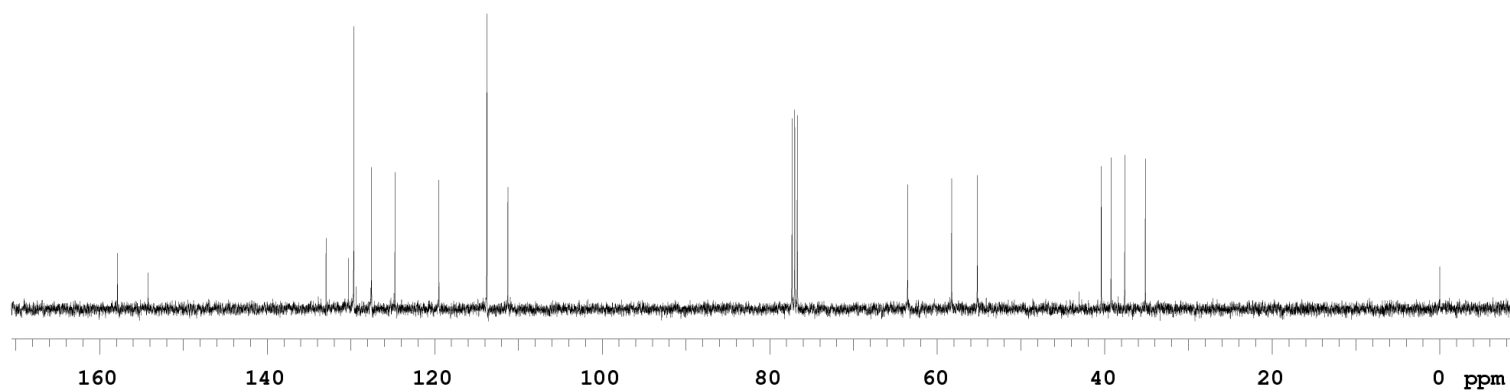
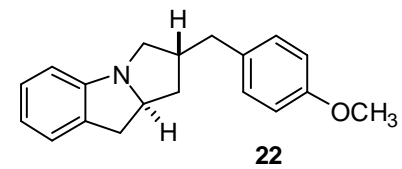
Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb1-200-1-13C-dry

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 21 2009

VARIAN 



nb2-143-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

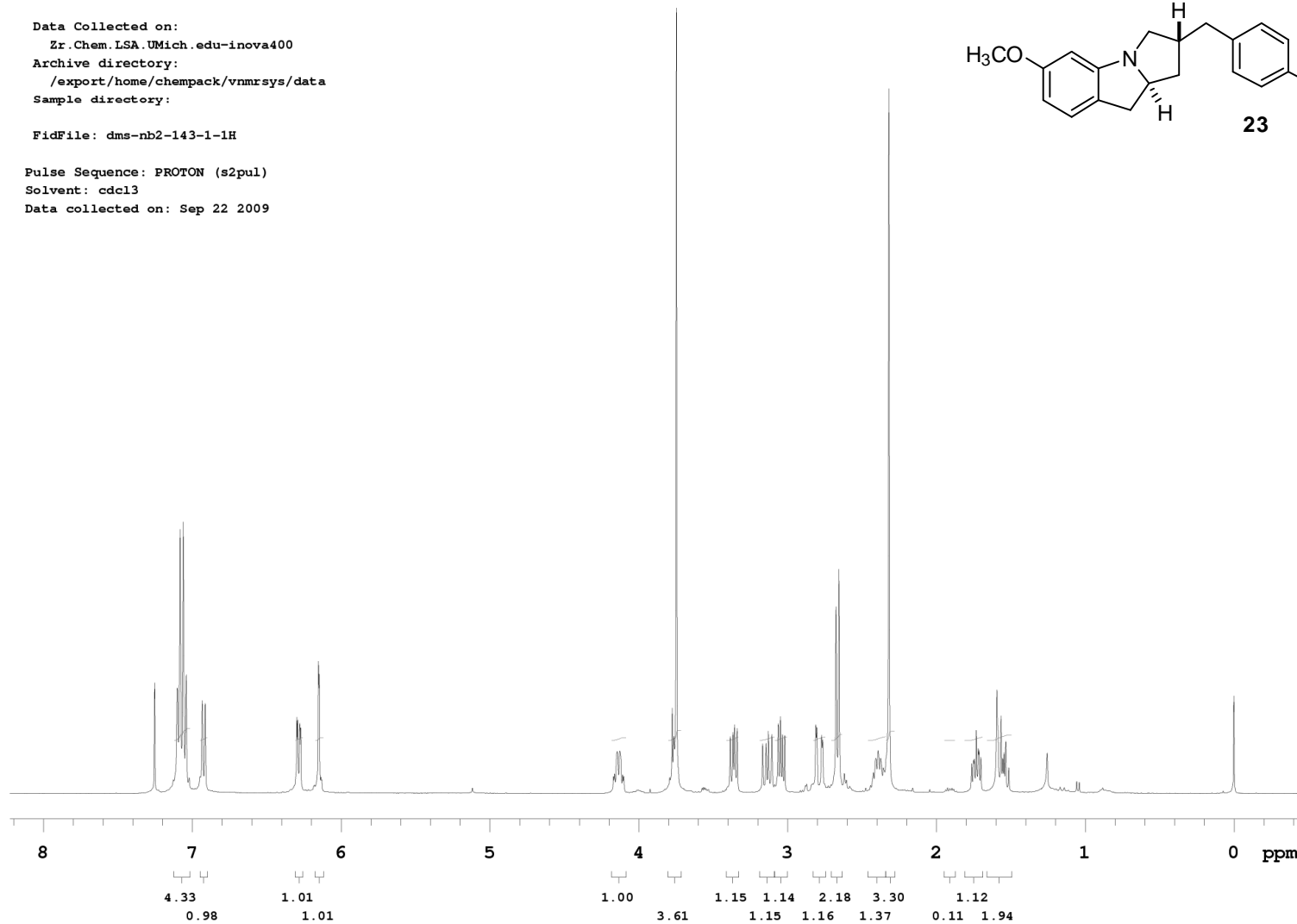
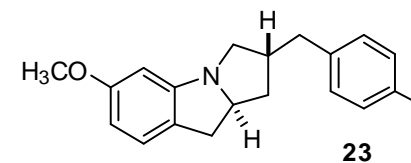
FidFile: dms-nb2-143-1-1H

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 22 2009

VARIAN 



nb2-143-1-pure

Sample Name:

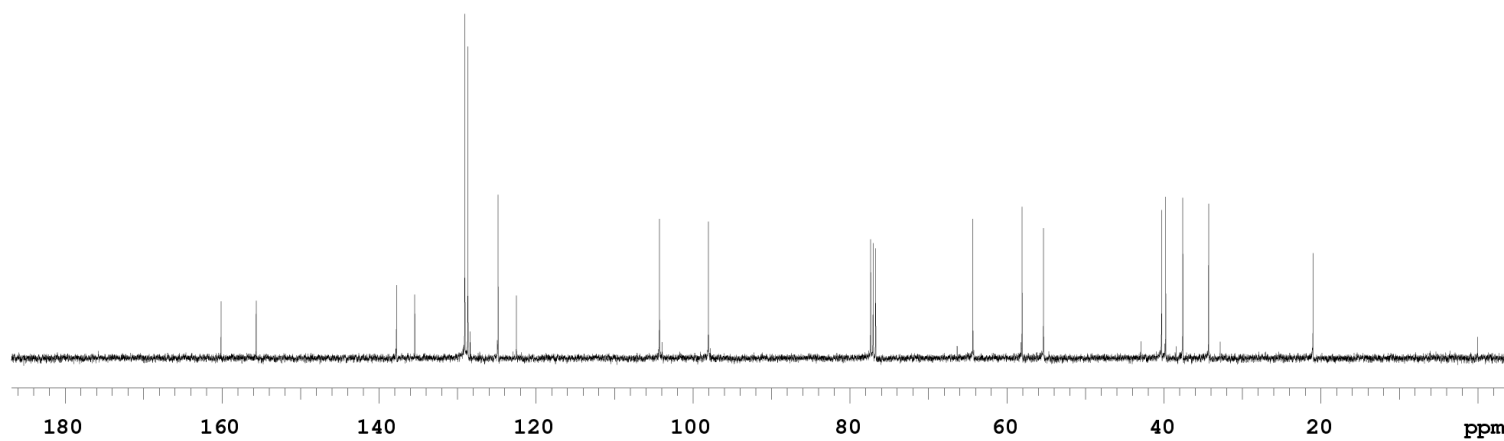
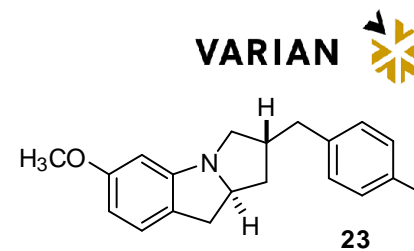
Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

Sample directory:

FidFile: w-dms-nb2-143-1-13C

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 20 2009



nb3-21-2

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

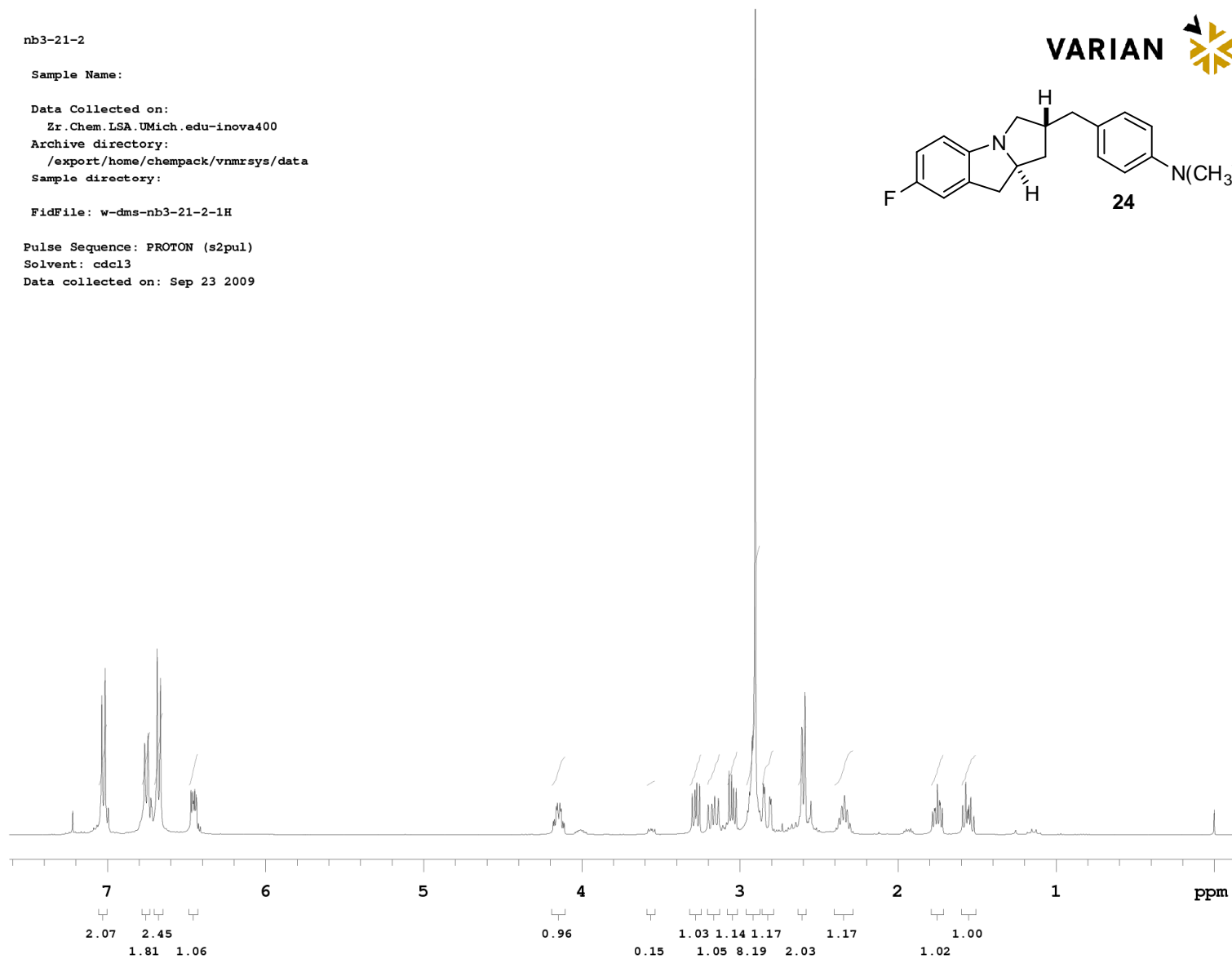
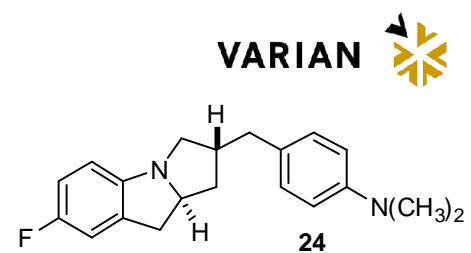
Sample directory:

FidFile: w-dms-nb3-21-2-1H

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 23 2009



nb3-21-2

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

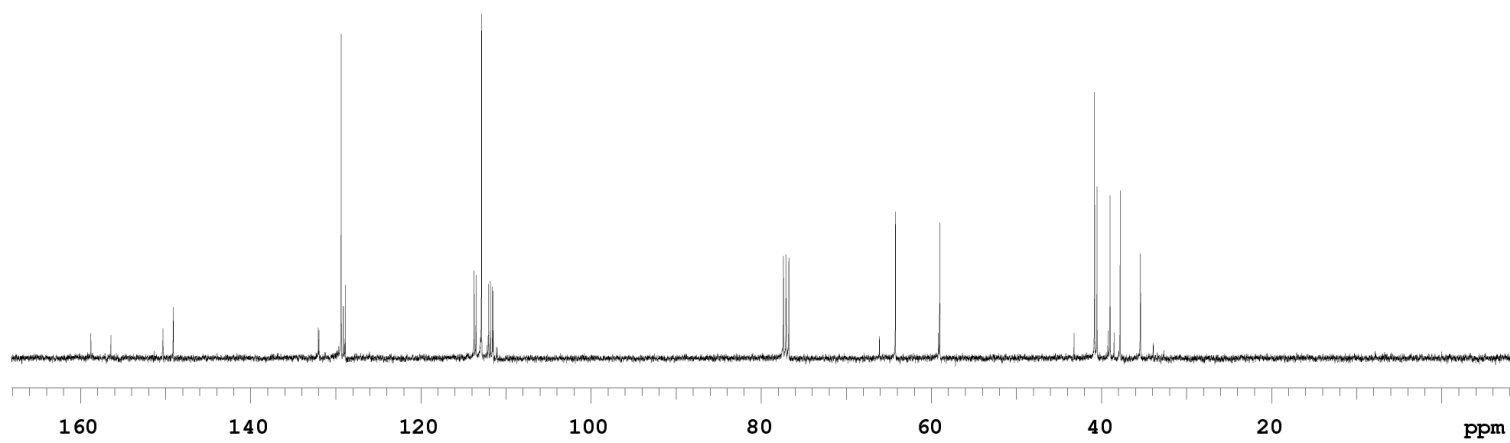
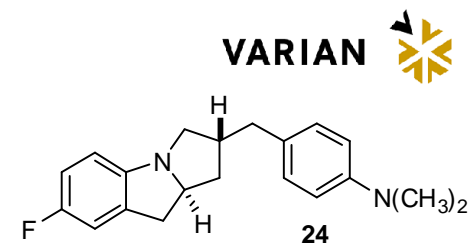
Sample directory:

FidFile: w-dms-nb3-21-2-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Sep 23 2009



nb2-188-2

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

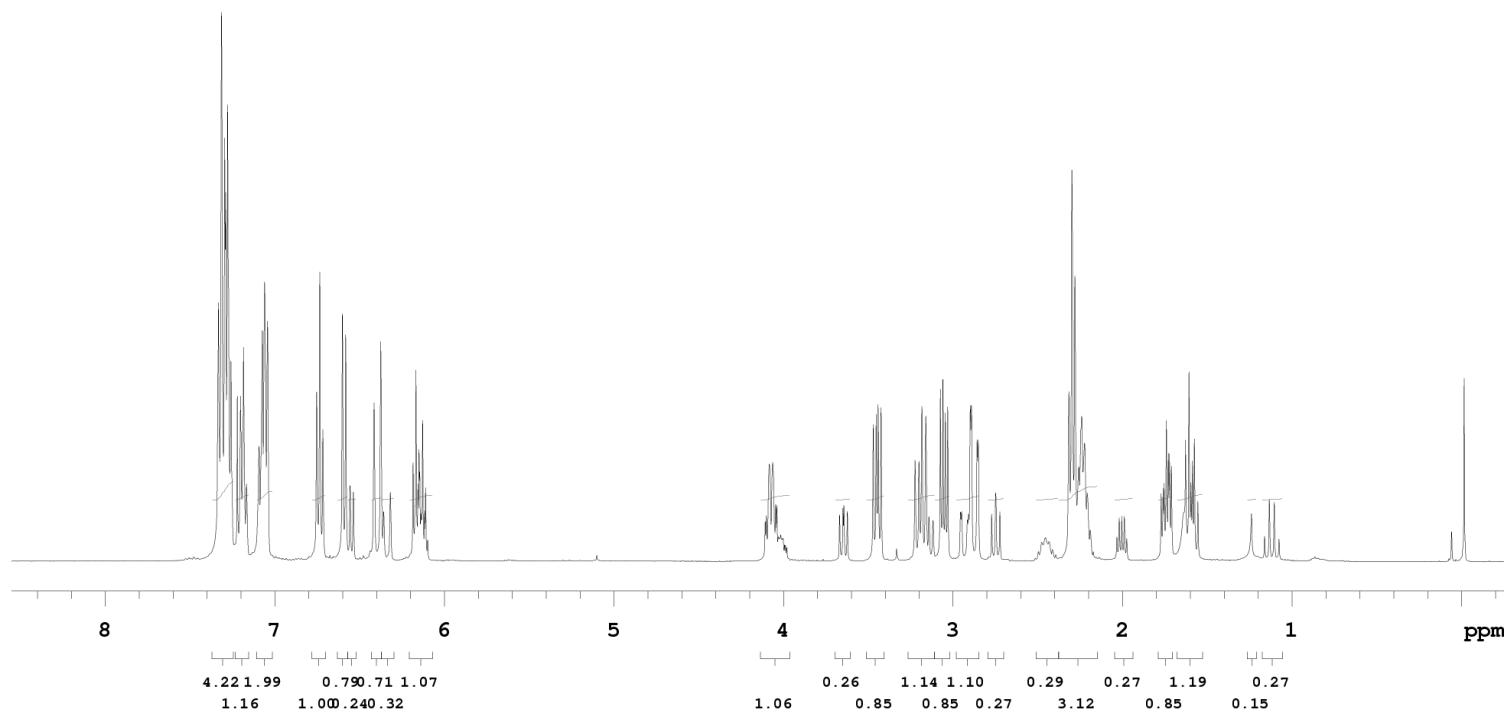
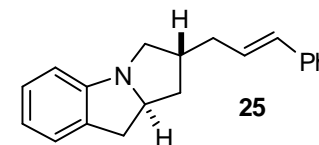
FidFile: w-dms-nb2-188-2-pure

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 21 2009

VARIAN 



nb2-188-2

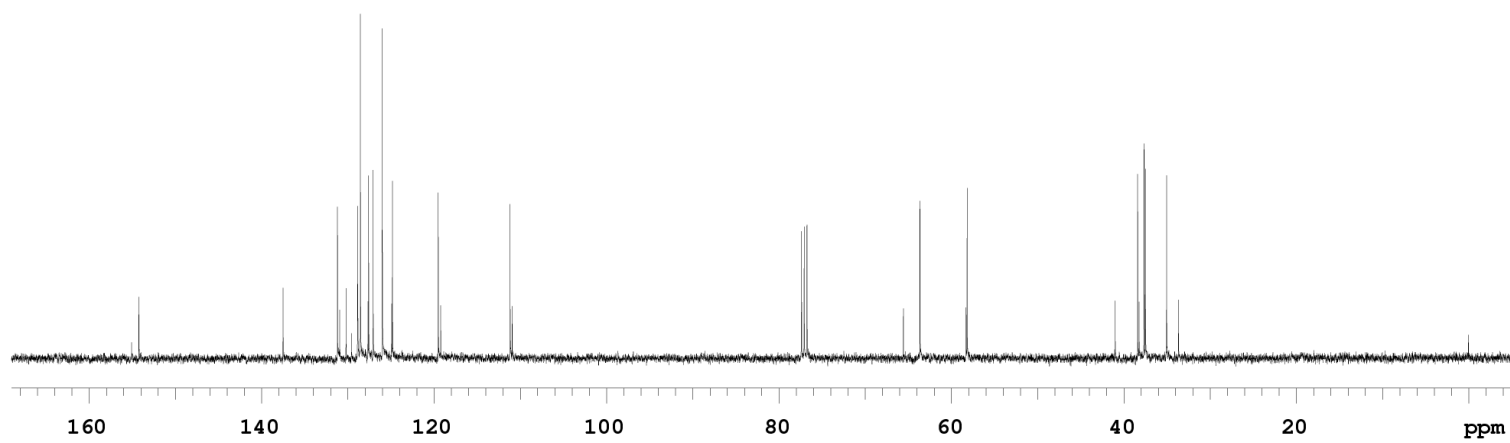
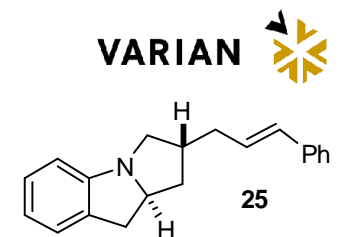
Sample Name:

Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-188-2-13C

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 13 2009



nb2-173-2

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.edu-vnmrs400

Archive directory:

Sample directory:

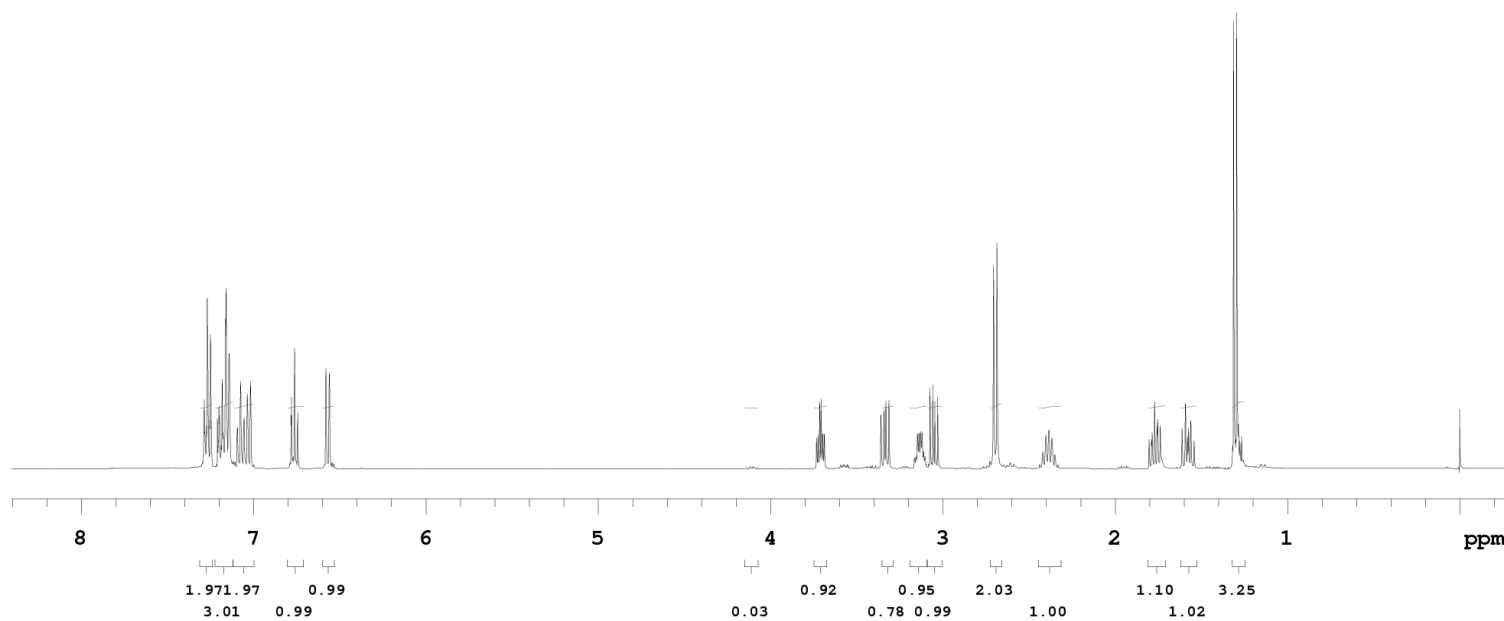
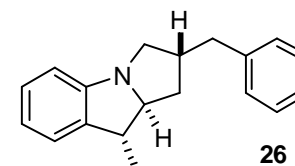
FidFile: w-dms-nb2-173-2-1H

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 21 2009

VARIAN 



dms-nb2-173-1

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.edu-vnmrs400

Archive directory:

Sample directory:

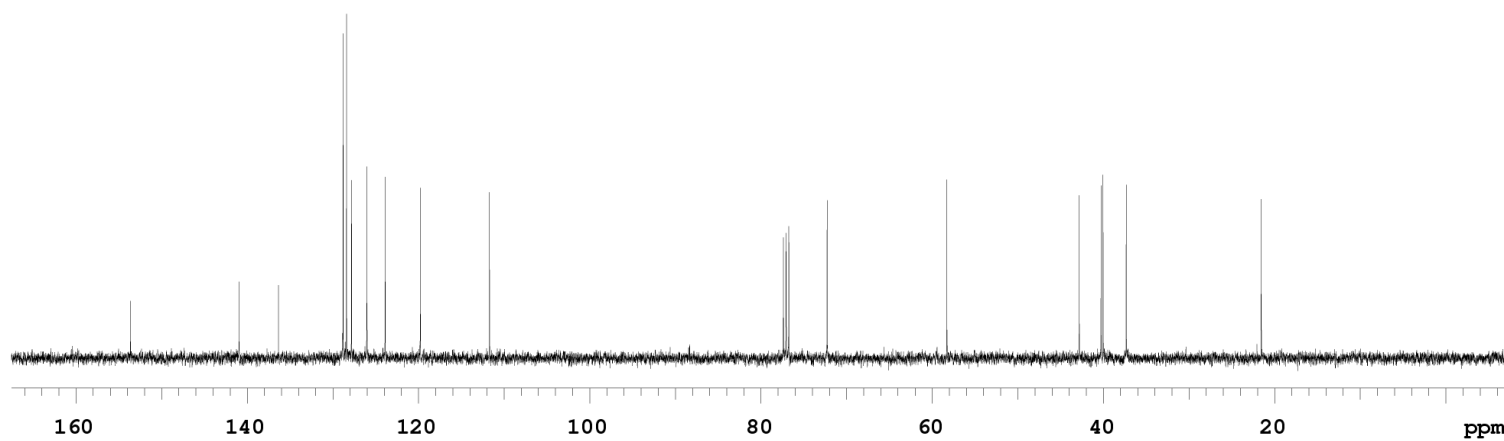
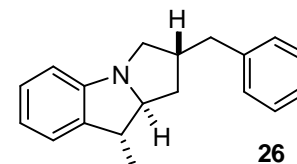
FidFile: w-dms-nb2-173-1-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jul 15 2009

VARIAN 





nb2-173-2-acid base wash

Sample Name:

Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-173-2-2cosy

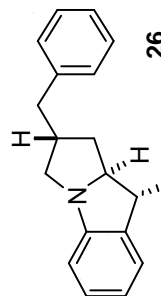
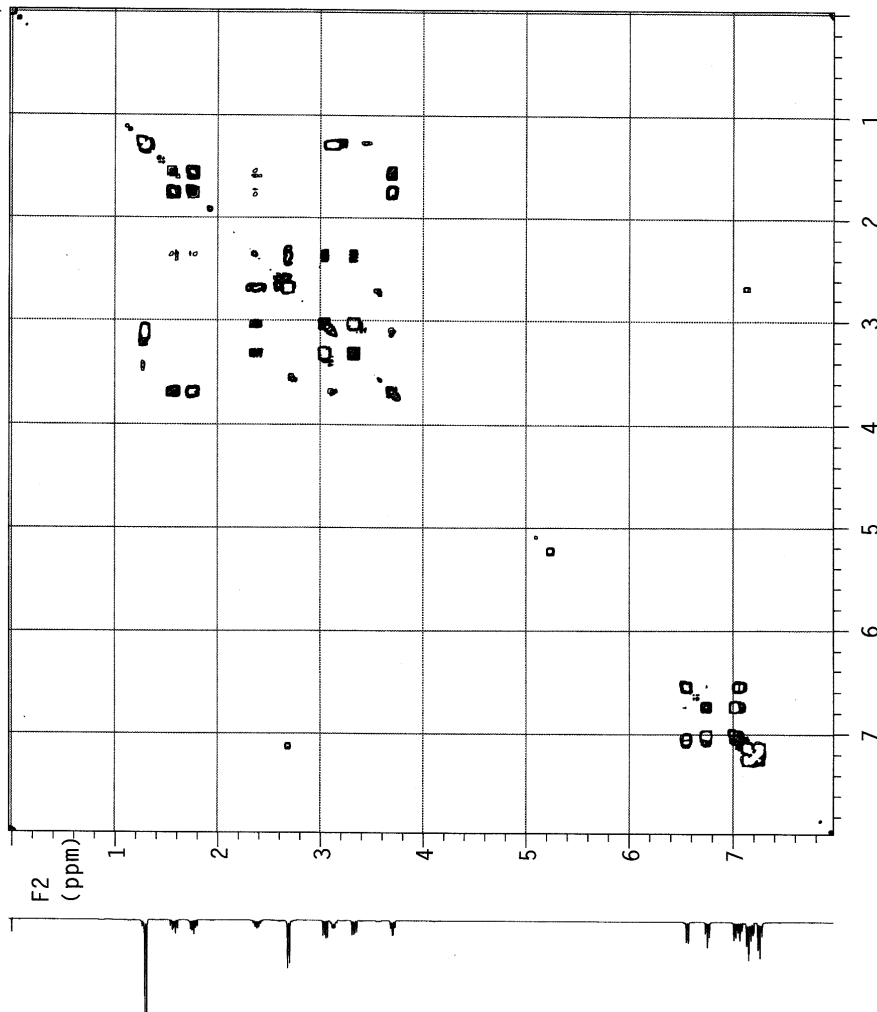
Pulse Sequence: gCOSY
Solvent: cdcl3
Data collected on: Jul 16 2009

Temp. 25.0 C / 298.1 K
Operator: danims

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 3203.1 Hz
2D Width 3203.1 Hz
Single scan

128 increments
OBSERVE H1, 399.9649781 MHz
DATA PROCESSING

Sq. sine bell 0.075 sec
F1 DATA PROCESSING
Sq. sine bell 0.040 sec
FT size 1024 x 1024
Total time 3 min 13 sec





nb2-173-2-r0e

Sample Name:

Data Collected on:
Co.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-173-2-2n0e

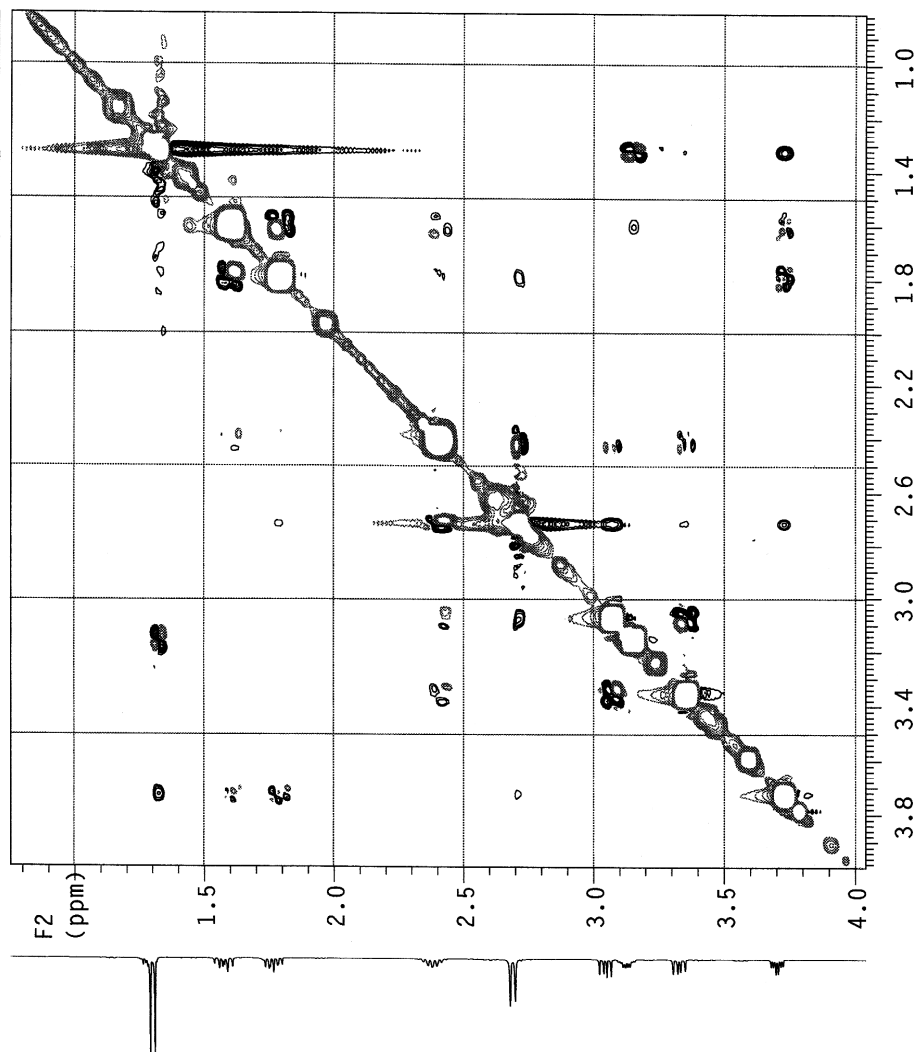
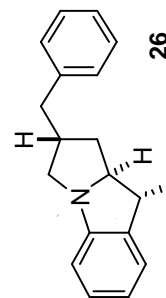
Pulse Sequence: NOESY

Solvent: cdcl3
Data collected on: Jul 16 2009

Temp. 25.0 C / 298.1 K
Operator: danims

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 3221.6 Hz
2D Width 3221.6 Hz
4 repetitions
2 x 200 increments

OBSERVE H1, 400.5205814 MHZ
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.057 sec
FT size 2048 x 2048
Total time 37 min



nb2-179-1-

Sample Name:

Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

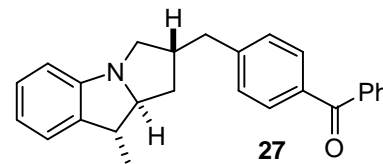
Sample directory:

FidFile: w-dms-nb2-179-1-1H

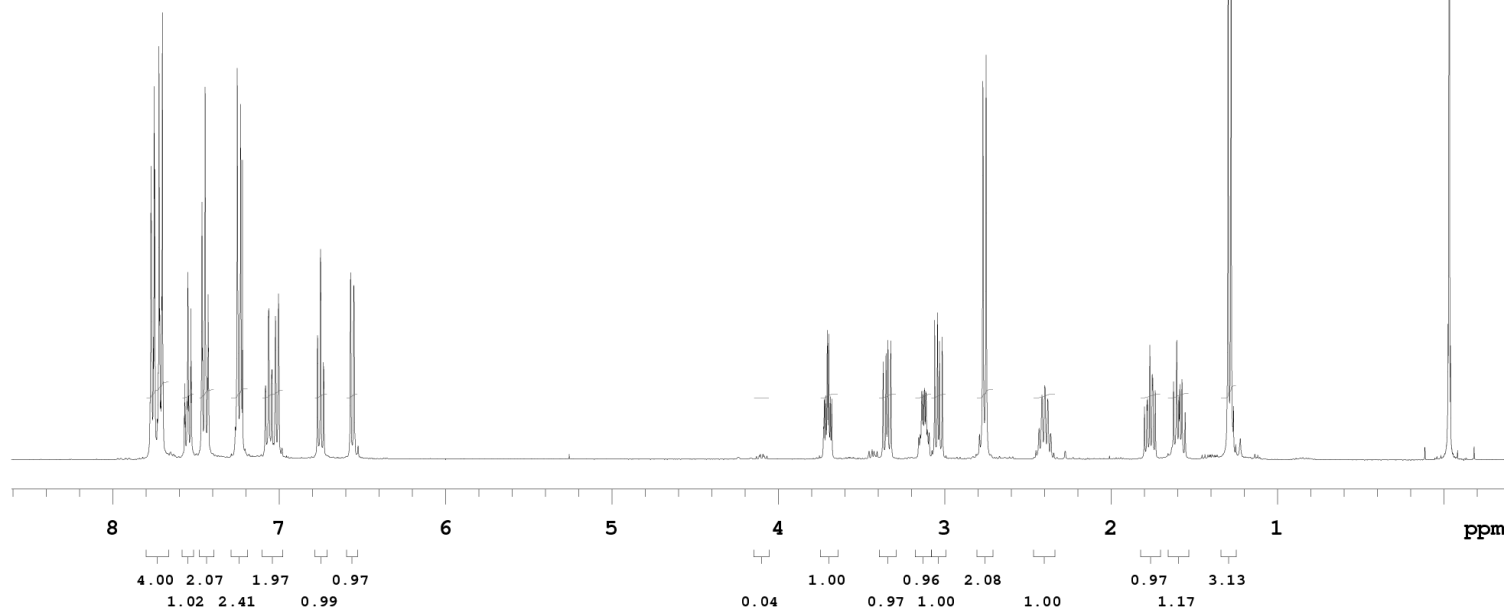
Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 31 2009



VARIAN



nb2-179-2-pure

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

Sample directory:

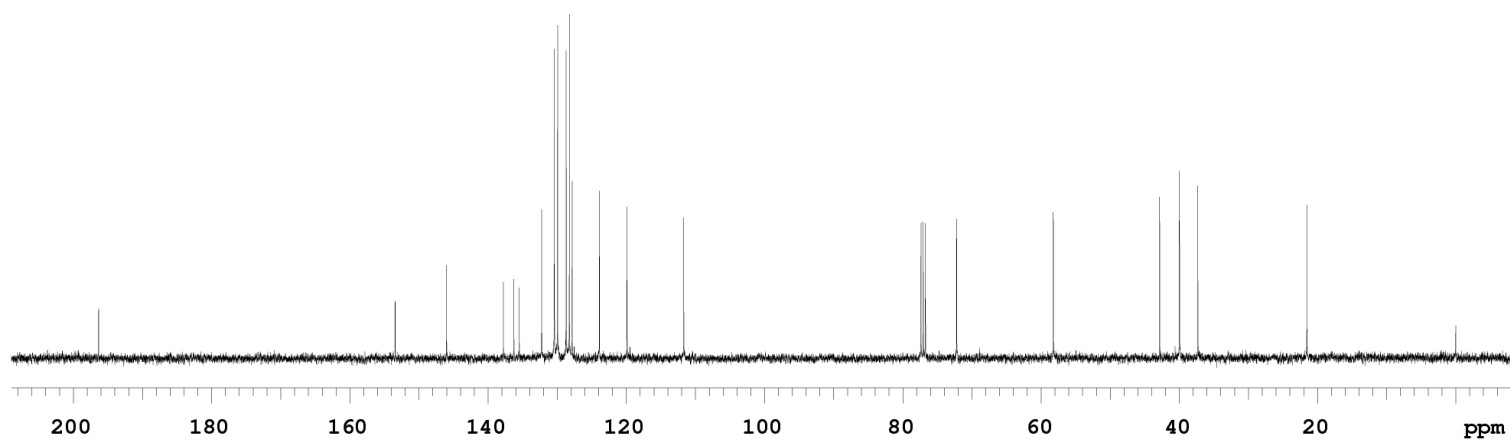
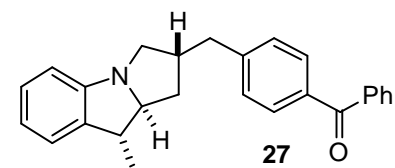
FidFile: w-dms-nb2-179-2-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Aug 1 2009

VARIAN 



nb2-153-1

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.edu-vnmrs400

Archive directory:

Sample directory:

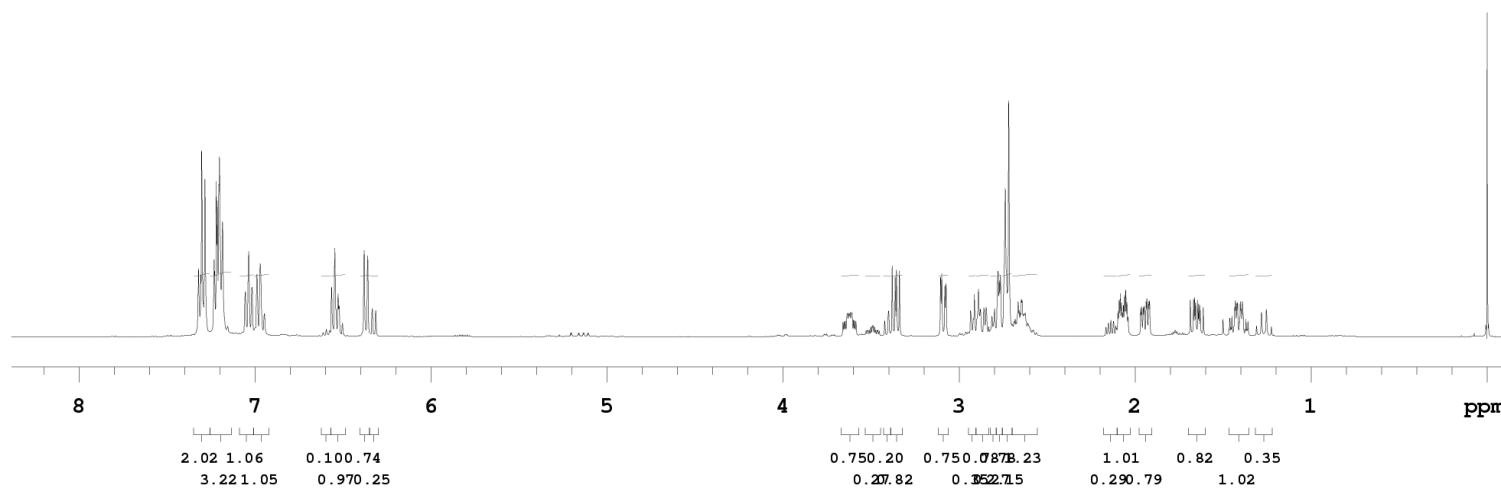
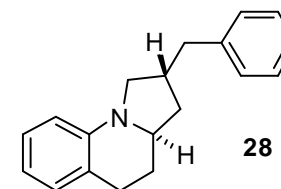
FidFile: w-dms-nb2-153-1

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Dec 11 2009

VARIAN 



nb2-153-1

Sample Name:

Data Collected on:

Ga.Chem.LSA.UMich.edu-vnmrs400

Archive directory:

Sample directory:

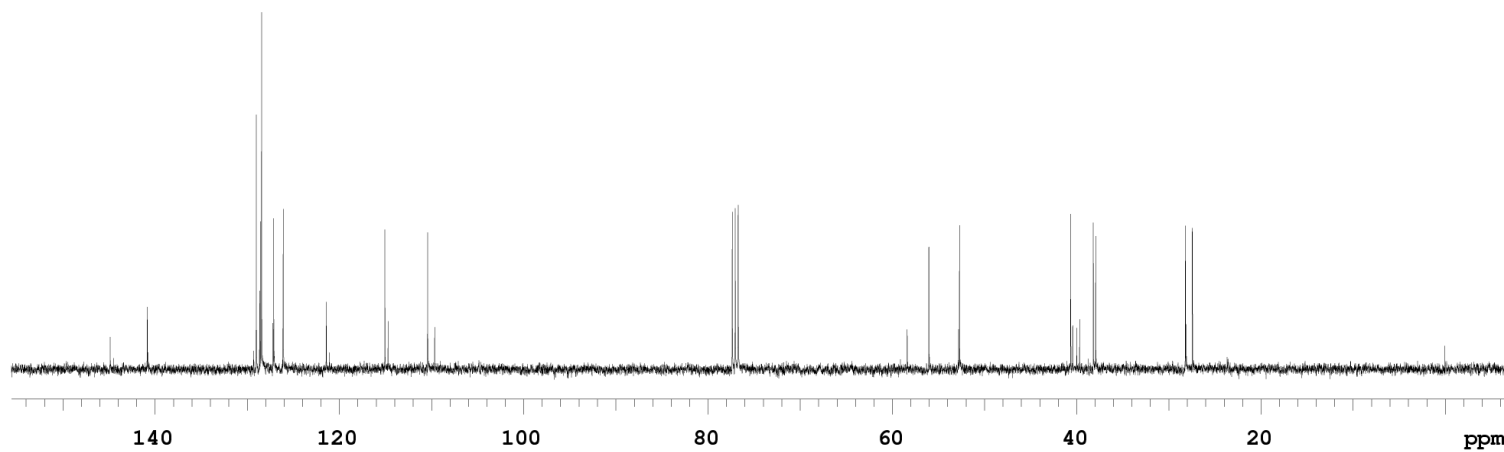
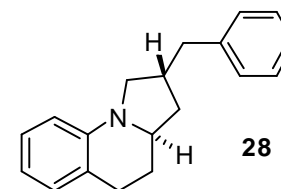
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 11 2009

VARIAN 



nb2-171-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

Sample directory:

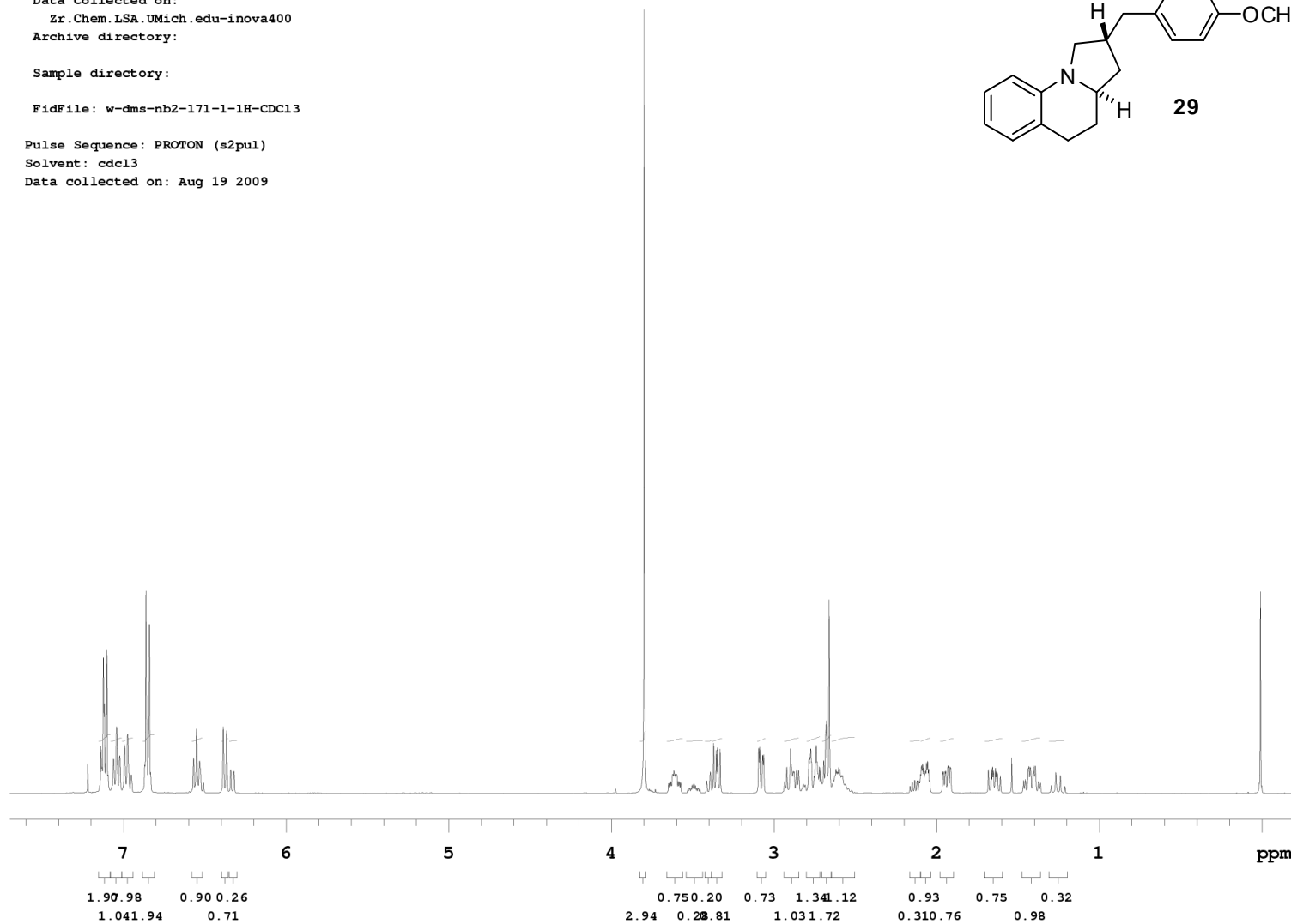
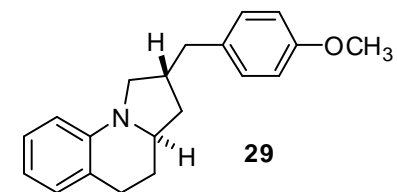
FidFile: w-dms-nb2-171-1-1H-CDC13

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 19 2009

VARIAN 



nb2-171-1

Sample Name:

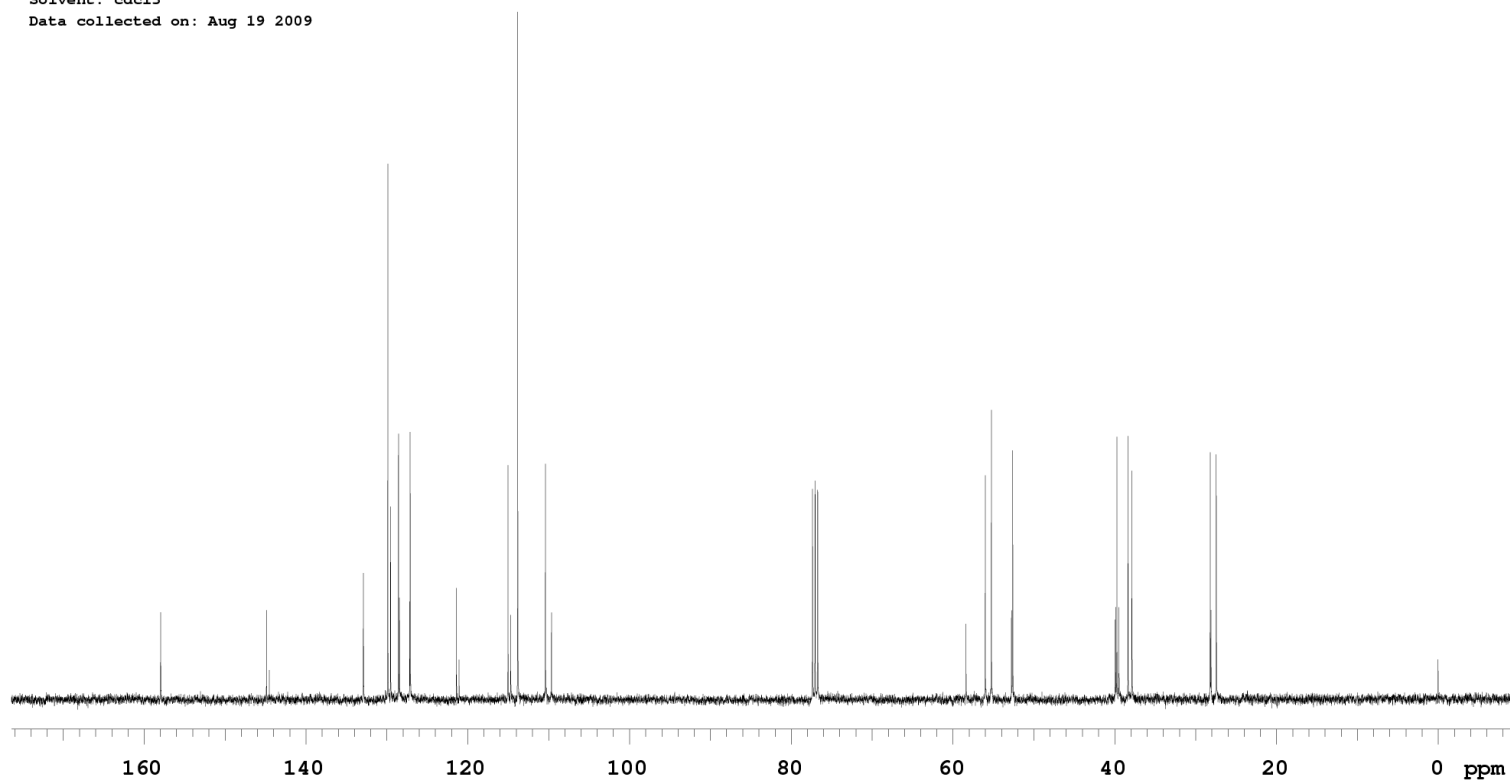
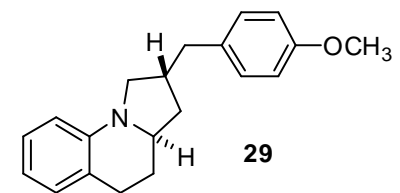
Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-171-1-13C-cdcl3

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 19 2009

VARIAN 



nb2-171-1

Sample Name:

Data Collected on:
Ga.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

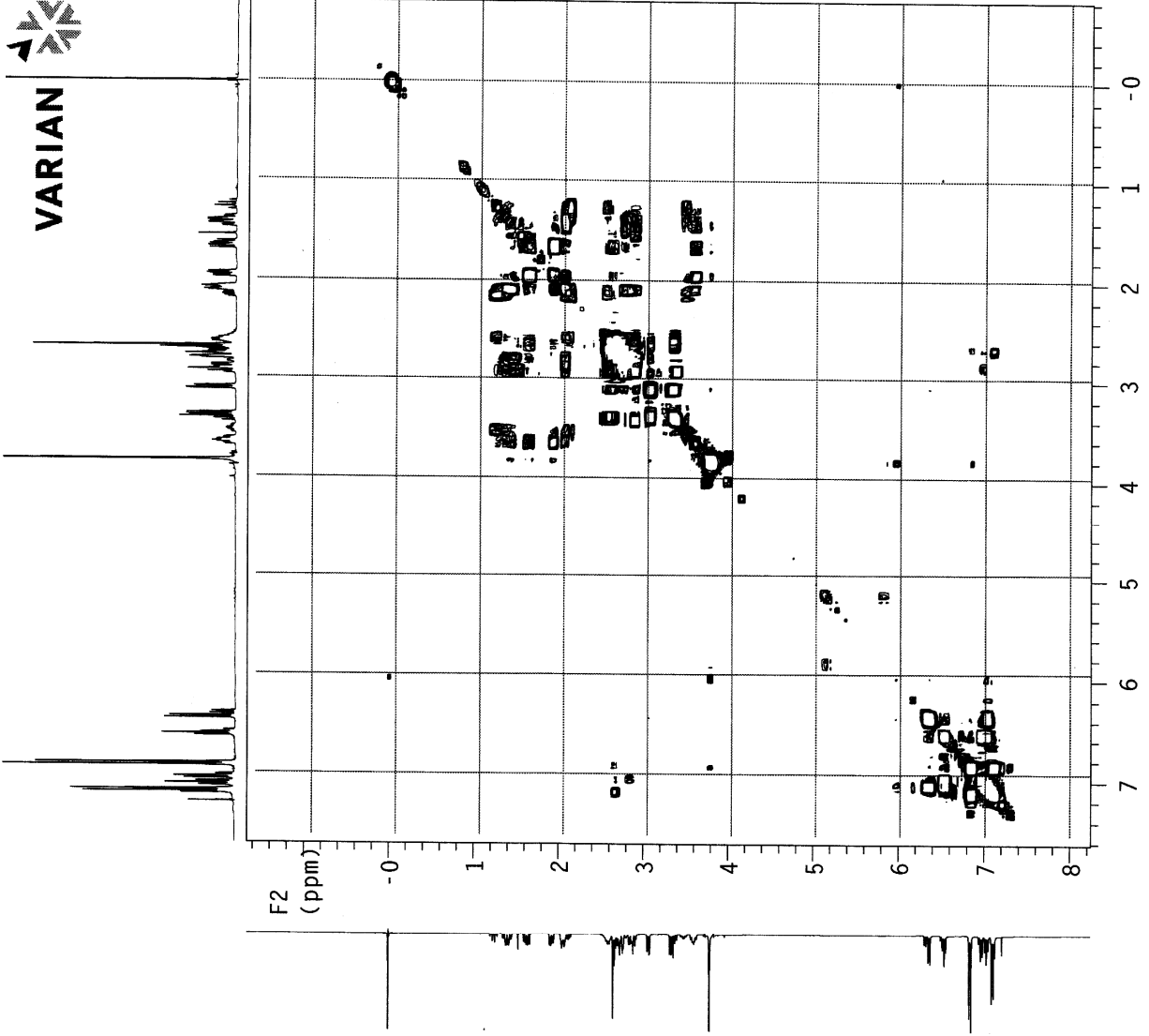
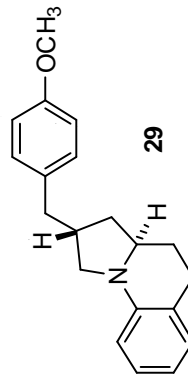
FidFile: w-dms-nb2-171-1-2cosy

Pulse Sequence: gCOSY
Solvent: cdcl3
Data collected on: Aug 19 2009

Operator: danims

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 6410.3 Hz

Single scan
128 increments
OBSERVE H1, 399.5389386 MHz
DATA PROCESSING
Sq. sine bell 0.075 sec
F1 DATA PROCESSING
Sq. sine bell 0.020 sec
F1 size 2048 x 2048
Total time 3 min 11 sec



nb2-171-1

Sample Name:

Data Collected on:
Ga.Chem..LSA:UMich.edu-vnmr-s400
Archive directory:

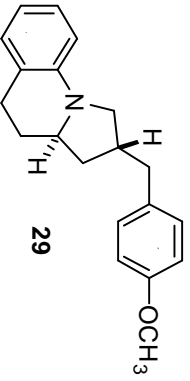
Sample directory:

Fidfile: w-dms-nb2-171-1-2cosy

Pulse Sequence: gCOSY
Solvent: cdc13
Data collected on: Aug 19 2009

Operator: danims

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 6410.3 Hz
Single scan
128 increments
OBSERVE H1, 399.5389386 MHz
DATA PROCESSING
Sd. sine bell 0.075 sec
F1 DATA PROCESSING
Sd. sine bell 0.020 sec
FT size 2048 x 2049
Total time 3 min 11 sec



nb2-171-1

Sample Name:

Data Collected on:
Ga. Chem. LSA, UMICH, edu-ymms400
Archive directory:

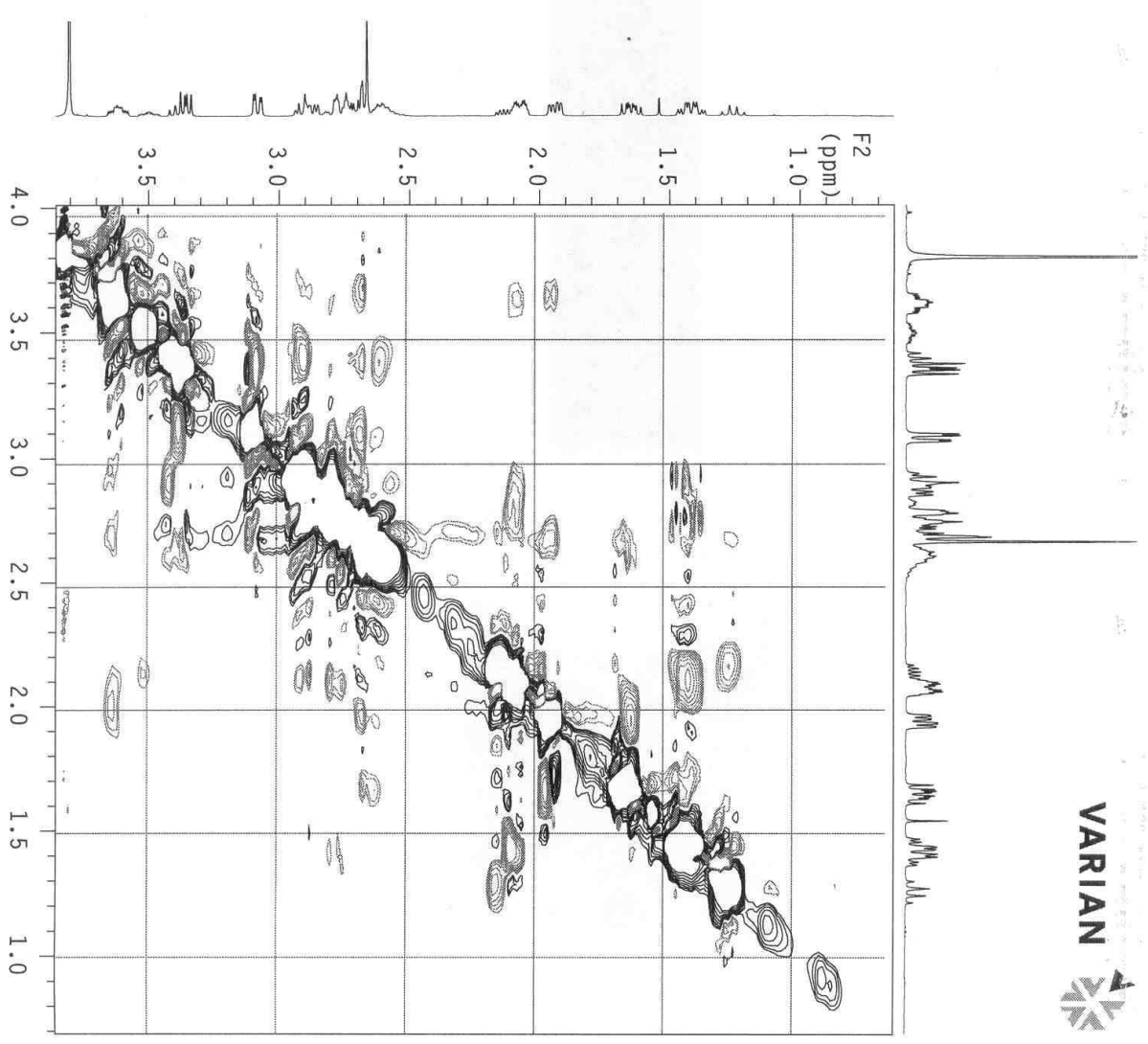
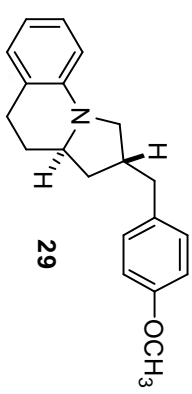
Sample directory:

FidFile: w-dms-nb2-171-1-2noesy

Pulse Sequence: NOESY
Solvent: cdc13
Data collected on: Aug 19 2009

Operator: danims

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 6410.3 Hz
4 repetitions
2 x 200 increments
OBSERVE H1, 399.5389259 MHz
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.029 sec
FT size 2048 x 2048
Total time 37 min



nb2-104

Sample Name:

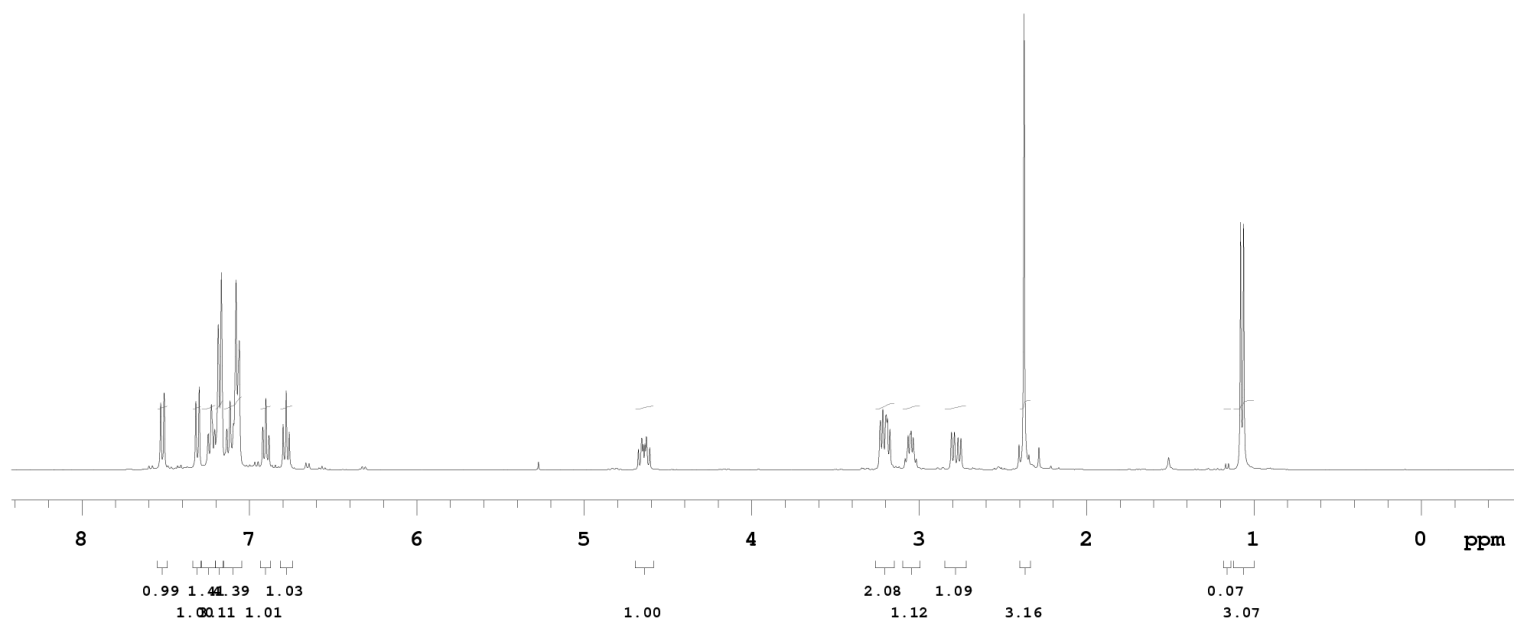
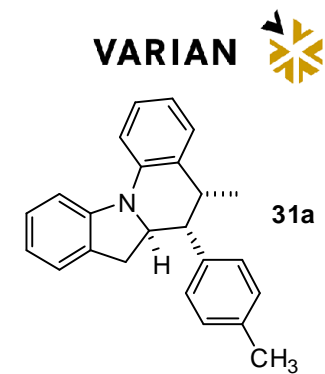
Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

Sample directory:

FidFile: w-dms-nb2-104-1-1H

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jul 7 2009



nb2-104

Sample Name:

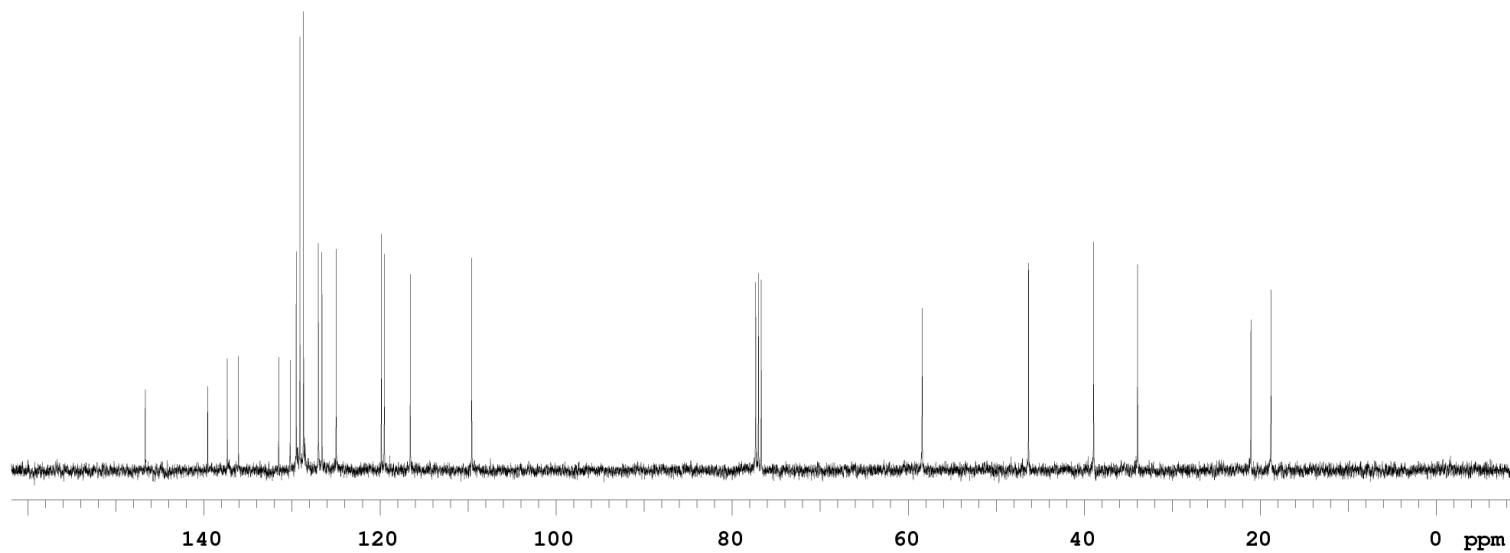
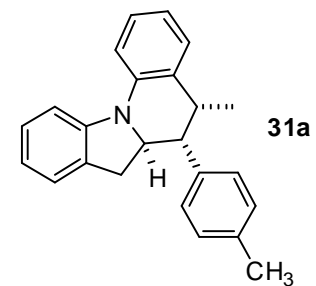
Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-104-13C

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 7 2009

VARIAN 



nb2-86-1-nOe

Sample Name:

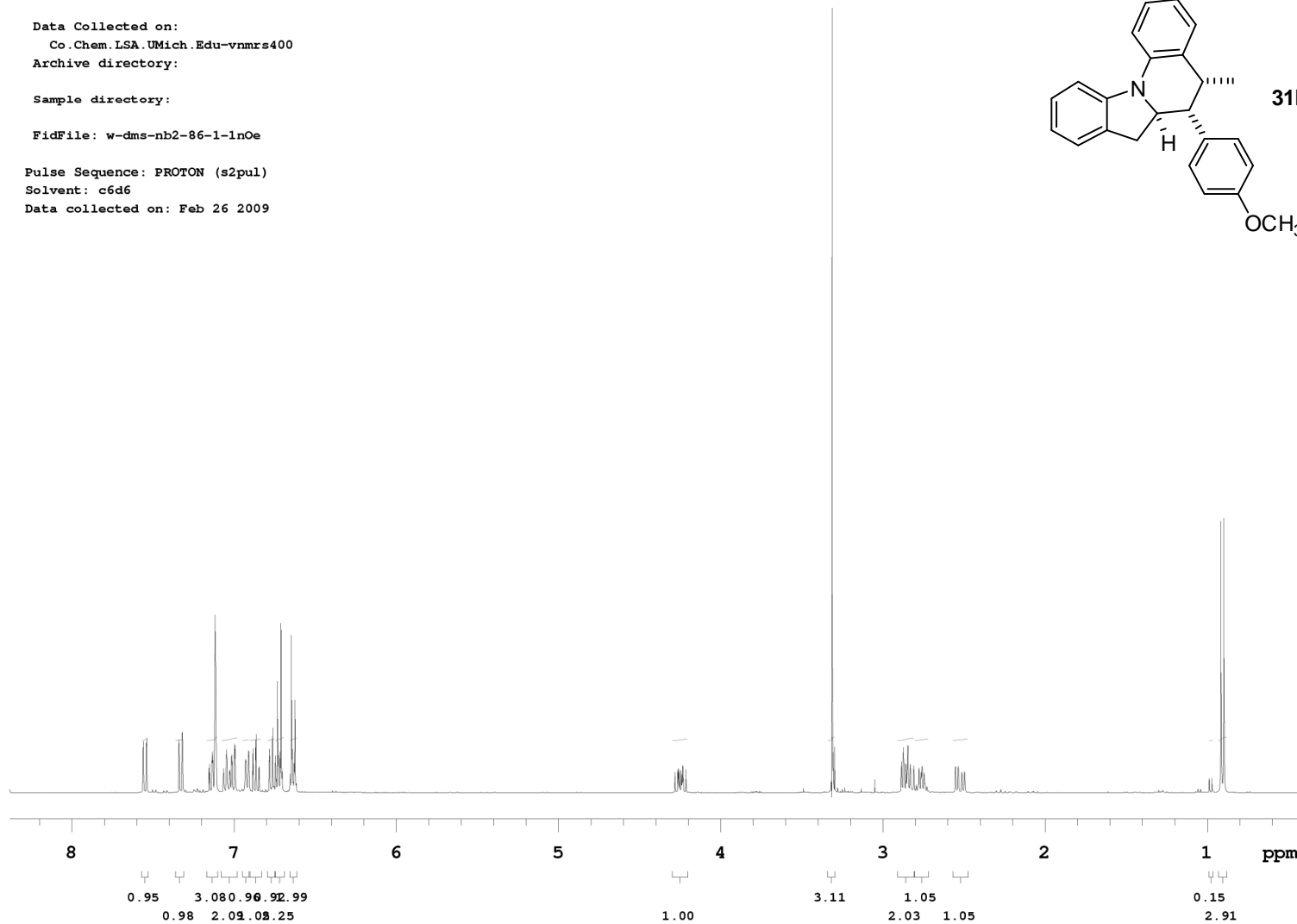
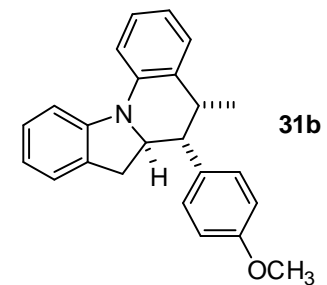
Data Collected on:
Co.Chem.LSA.UMich.Edu-vnmrs400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-86-1-1nOe

Pulse Sequence: PROTON (s2pul)
Solvent: c6d6
Data collected on: Feb 26 2009

VARIAN 



nb2-86-1-pure

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

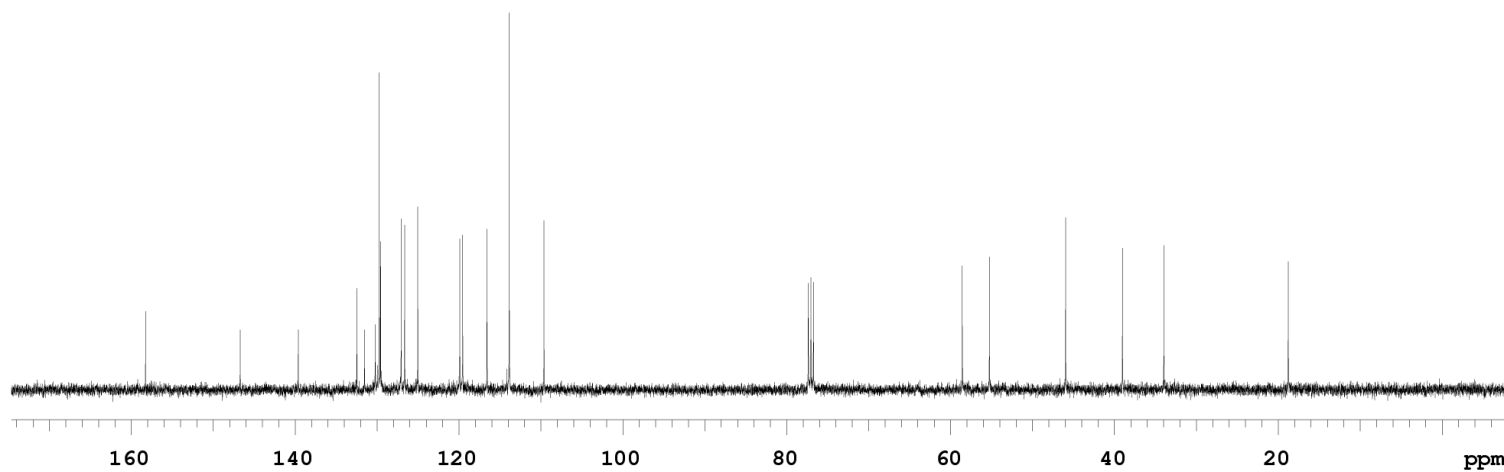
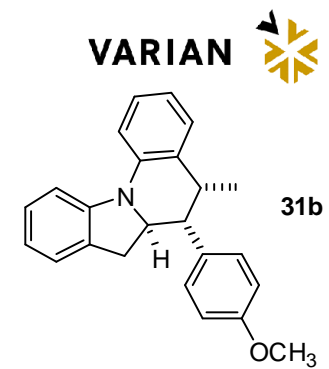
Sample directory:

FidFile: w-dms-nb2-86-1-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Feb 25 2009



nb2-86-1-pure

Sample Name:

Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-86-1-2cosy

Pulse Sequence: gCOSY

Solvent: cdc13

Data collected on: Feb 25 2009

Operator: danims

Relax. delay 1.000 sec

Acq. time 0.150 sec

Width 3213.8 Hz

2D Width 3213.8 Hz

2 repetitions

128 increments

OBSERVE H1, 399.9649645 MHz

DATA PROCESSING

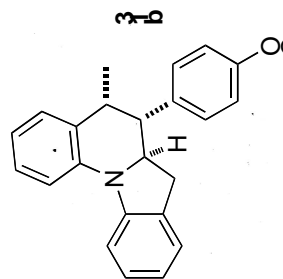
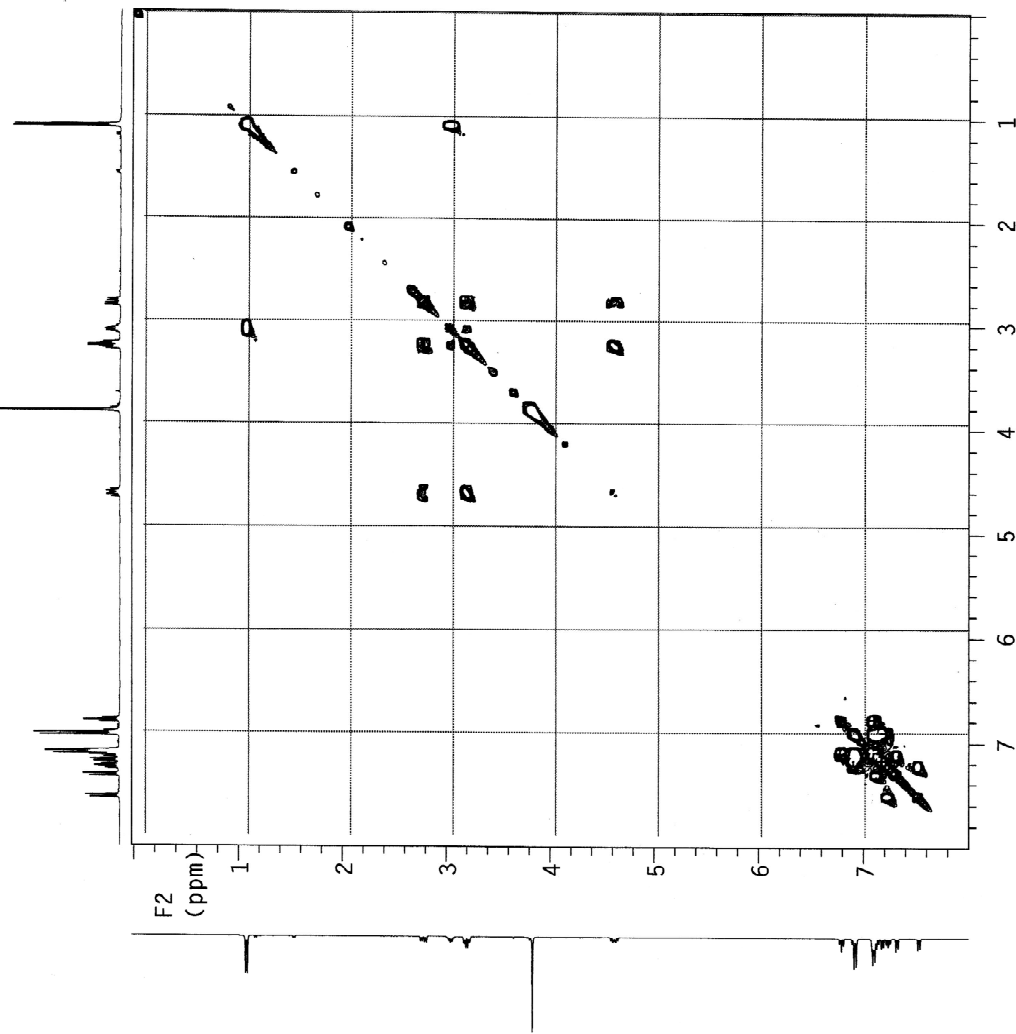
Sq. sine bell 0.075 sec

F1 DATA PROCESSING

Sq. sine bell 0.040 sec

FT size 1024 x 1024

Total time 3 min 13 sec



nb2-195-1

Sample Name:

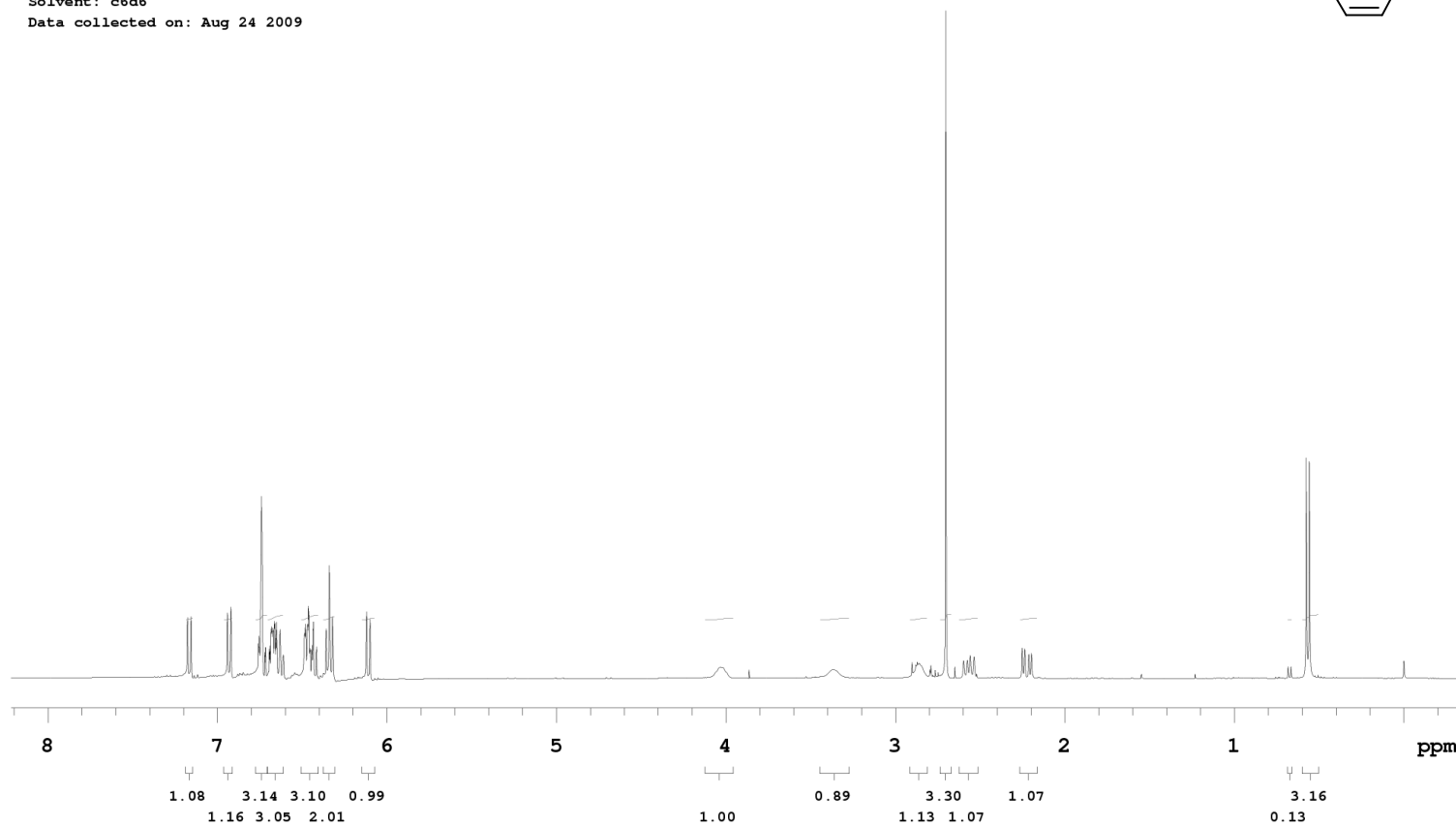
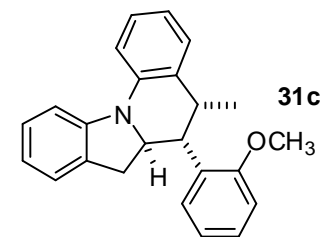
Data Collected on:
Co.Chem.LSA.UMich.edu-vnmrs400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-195-1-benzene

Pulse Sequence: PROTON (s2pul)
Solvent: c6d6
Data collected on: Aug 24 2009

VARIAN 



nb2-197

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

/export/home/chempack/vnmrsys/data

Sample directory:

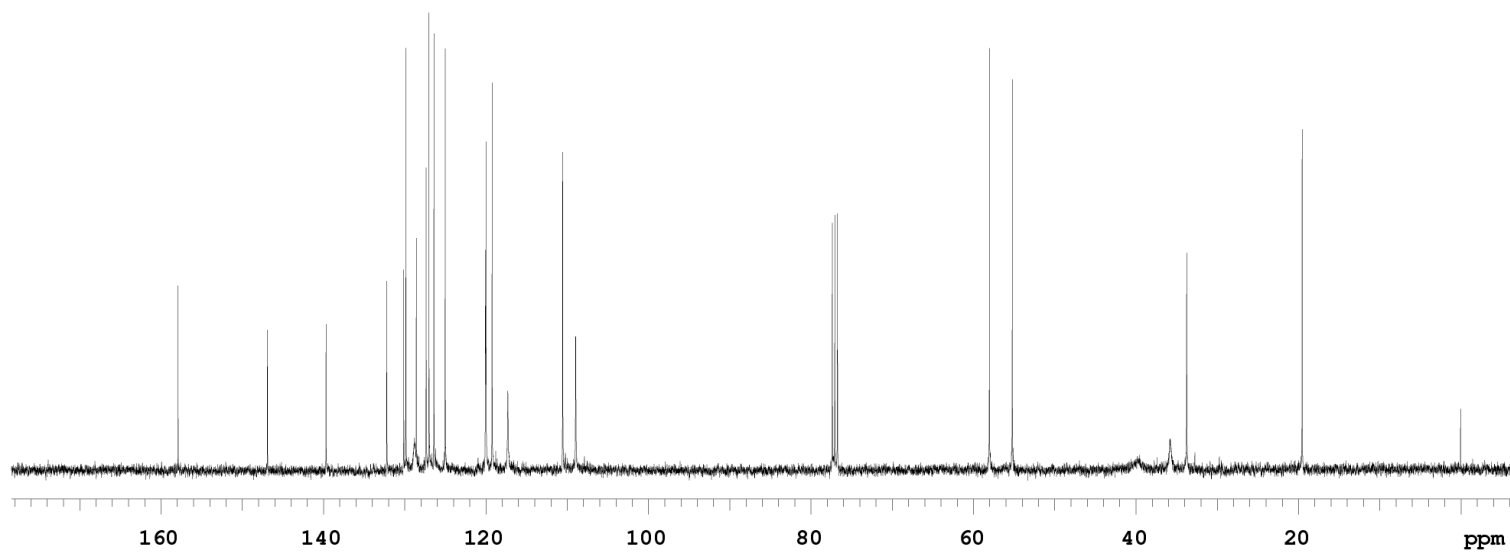
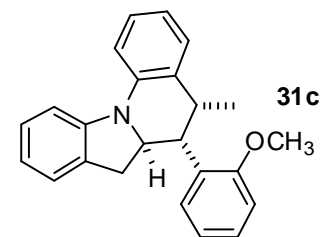
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Oct 16 2009

VARIAN 



nb2-195-1

Sample Name:

Data Collected on:
Co.Chem.LSA.UMich.edu-vmrs400
Archive directory:

Sample directory:

FidFile: w-dms-nb2-195-1-cosybenzene

Pulse Sequence: gCOSY

Solvent: c6d6

Data collected on: Aug 24 2009

Temp. 25.0 C / 298.1 K

Operator: danims

Relax. delay 1.000 sec

Acq. time 0.150 sec

Width 6410.3 Hz

2D Width 6410.3 Hz

Single scan

128 increments

OBSERVE H1, 400.5207374 MHz

DATA PROCESSING

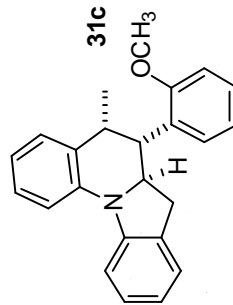
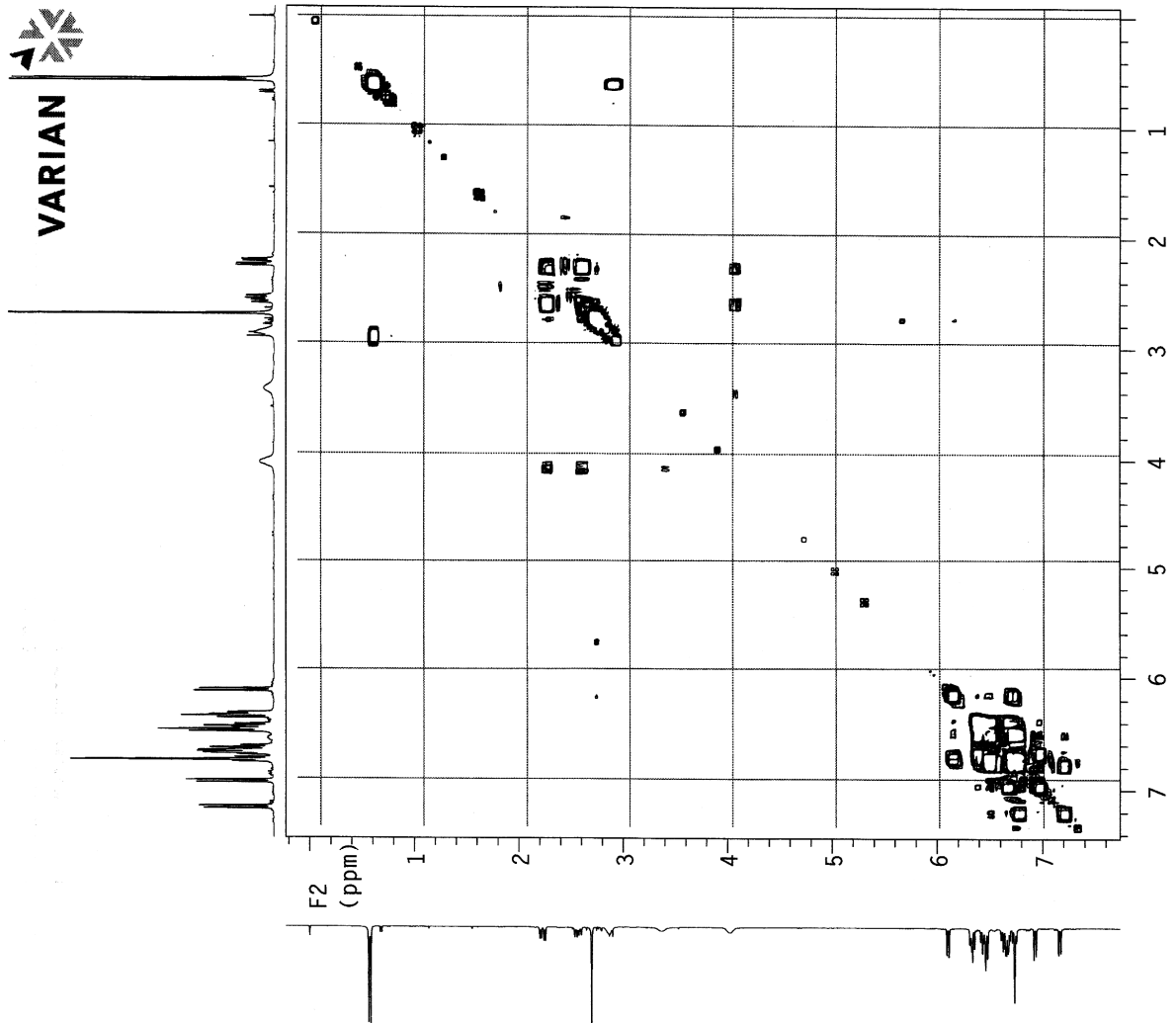
Sq. sine bell 0.075 sec

F1 DATA PROCESSING

Sq. sine bell 0.020 sec

FT size 2048 x 2048

Total time 3 min 11 sec



nb2-197-1

Sample Name:

Data Collected on:
Ga.Chem.LSA.UMich.edu-vmr400
Archive directory:

Sample directory:

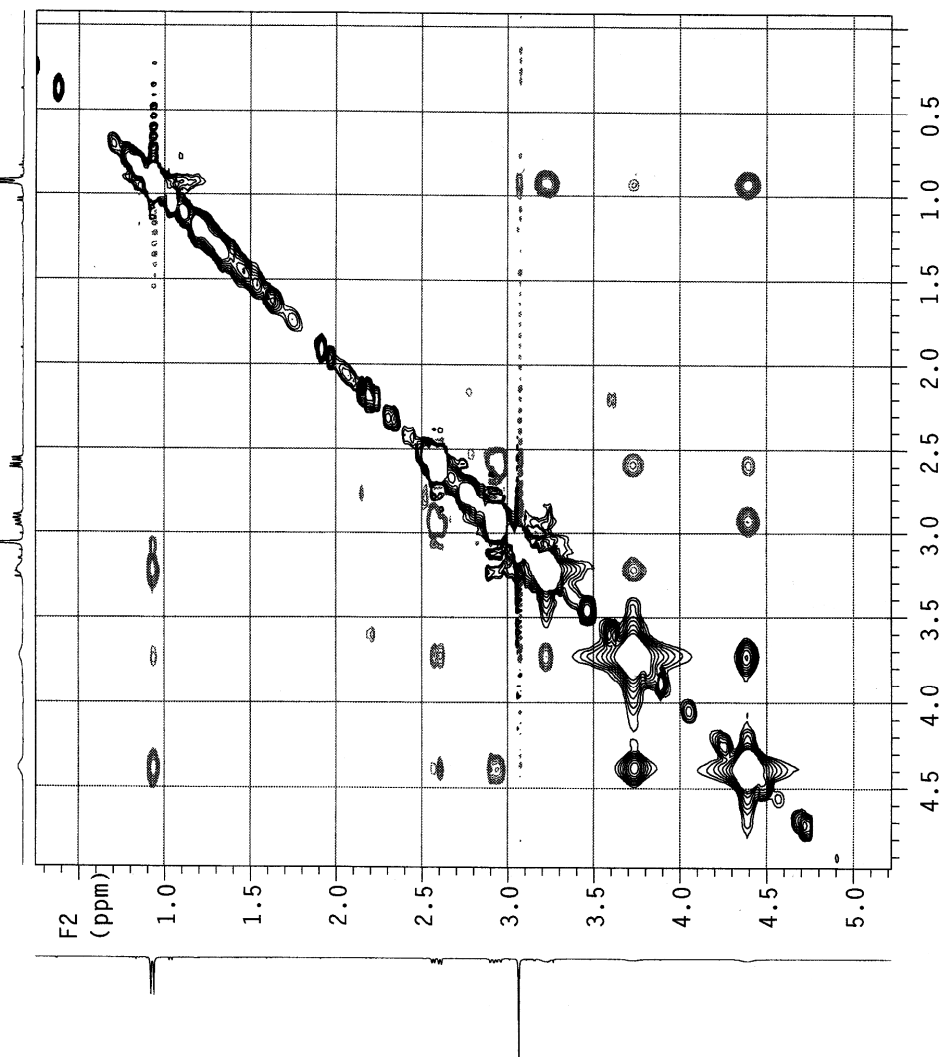
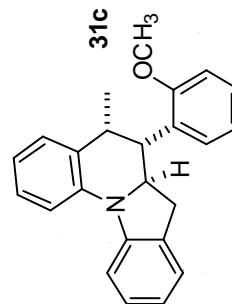
FidFile: w-dms-nb2-197-1-n0e

Pulse Sequence: NOESY
Solvent: c6d6
Data collected on: Oct 7 2009

Temp. 35.0 C / 308.1 K
Operator: danims

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 6410.3 Hz
8 repetitions
2 x 128 increments

OBSERVE H1, 399.5389618 MHz
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.018 sec
FT size 2048 x 2048
Total time 58 min



nb3-61-1

Sample Name:

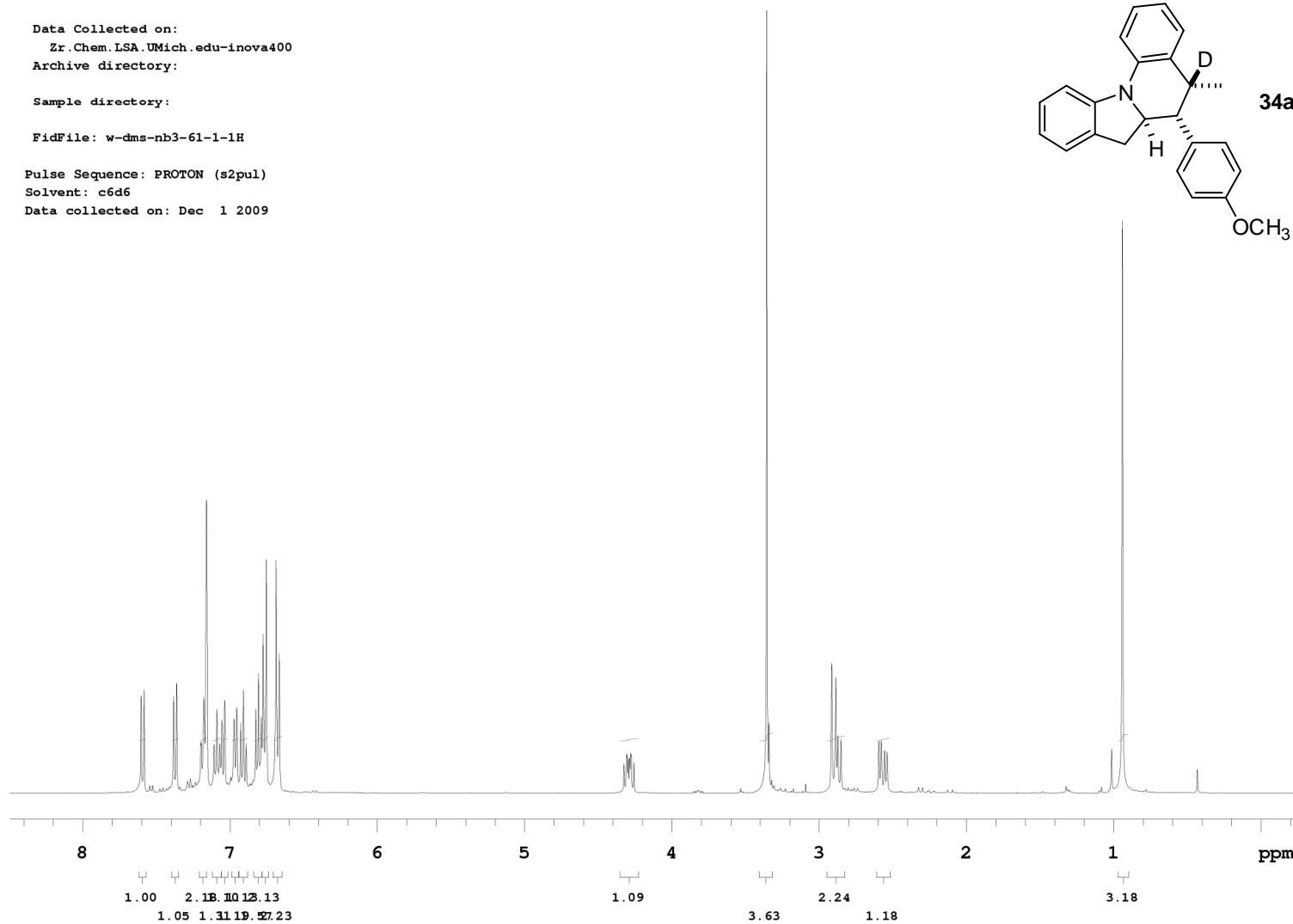
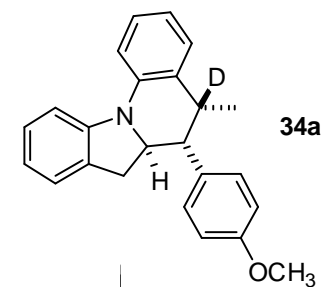
Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb3-61-1-1H

Pulse Sequence: PROTON (s2pul)
Solvent: c6d6
Data collected on: Dec 1 2009

VARIAN 



nb3-61-1-13C

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

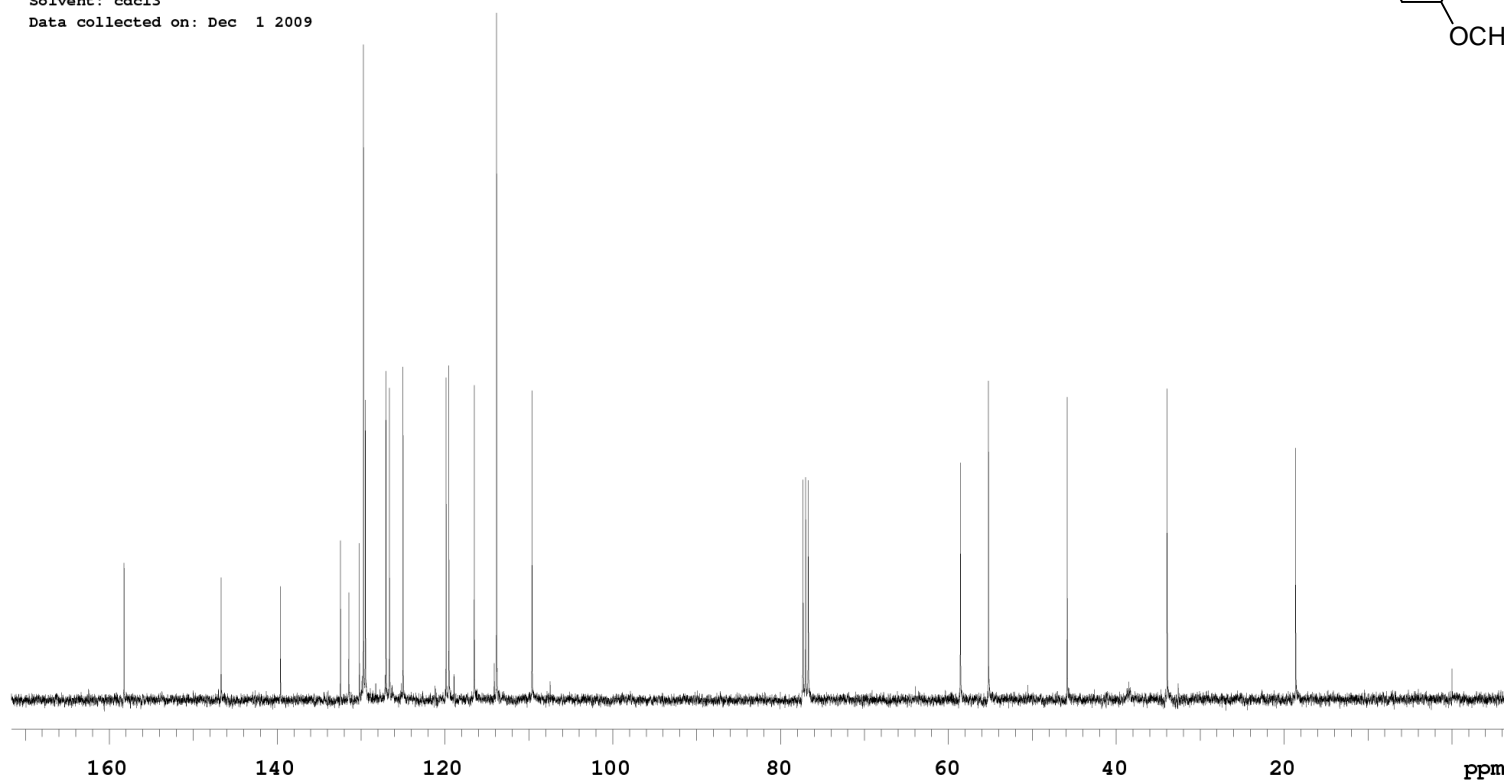
Sample directory:

FidFile: w-dms-nb3-61-1-13C

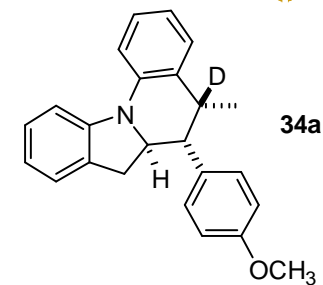
Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 1 2009



VARIAN 



nb3-61-1

Sample Name:

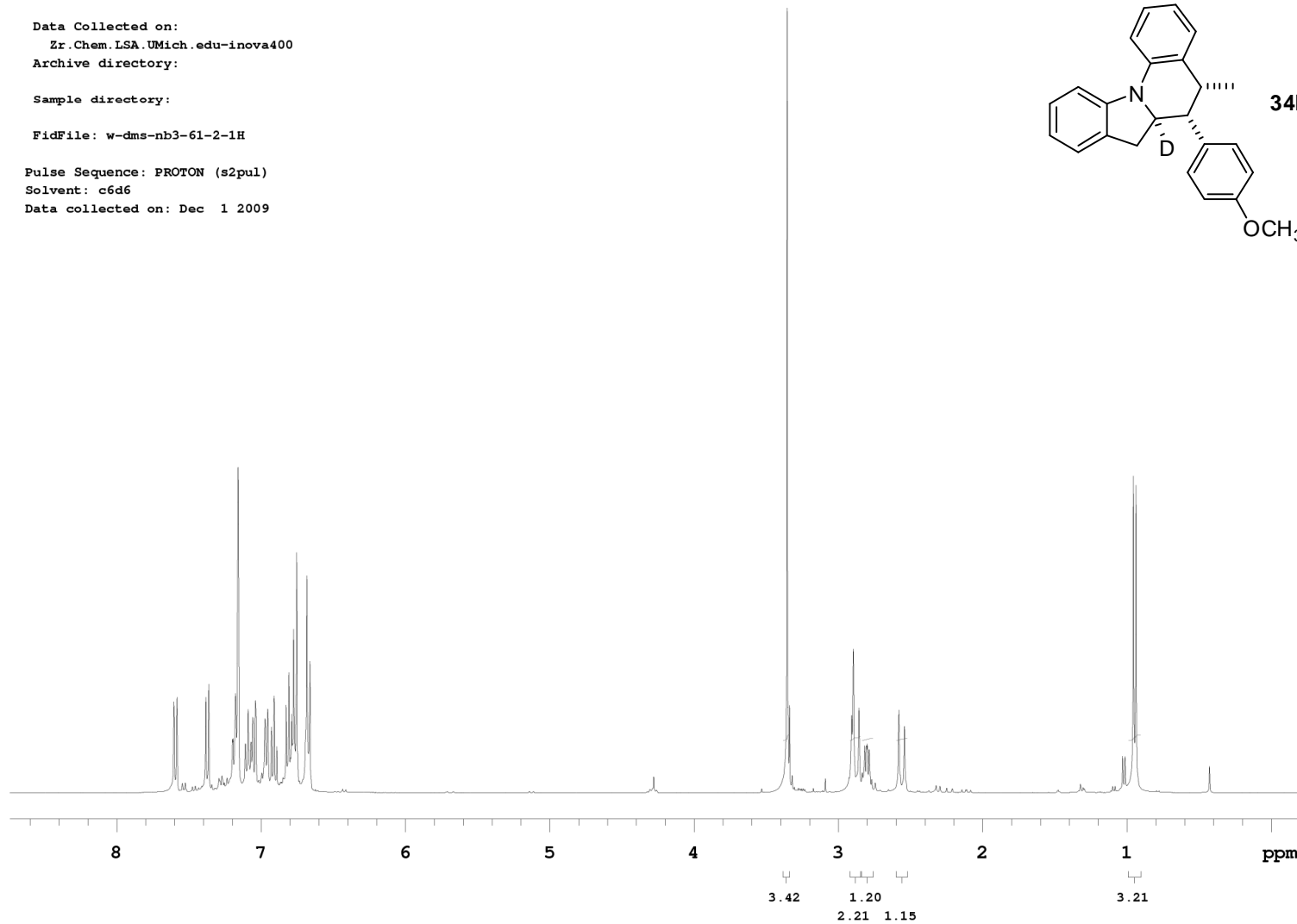
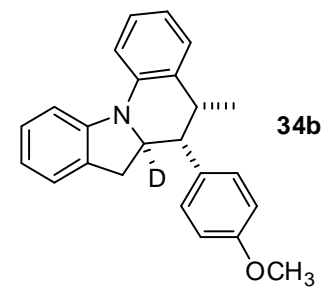
Data Collected on:
Zr.Chem.LSA.UMich.edu-inova400
Archive directory:

Sample directory:

FidFile: w-dms-nb3-61-2-1H

Pulse Sequence: PROTON (s2pul)
Solvent: c6d6
Data collected on: Dec 1 2009

VARIAN 



nb3-61-2-13C

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

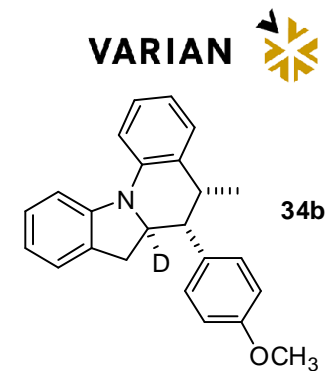
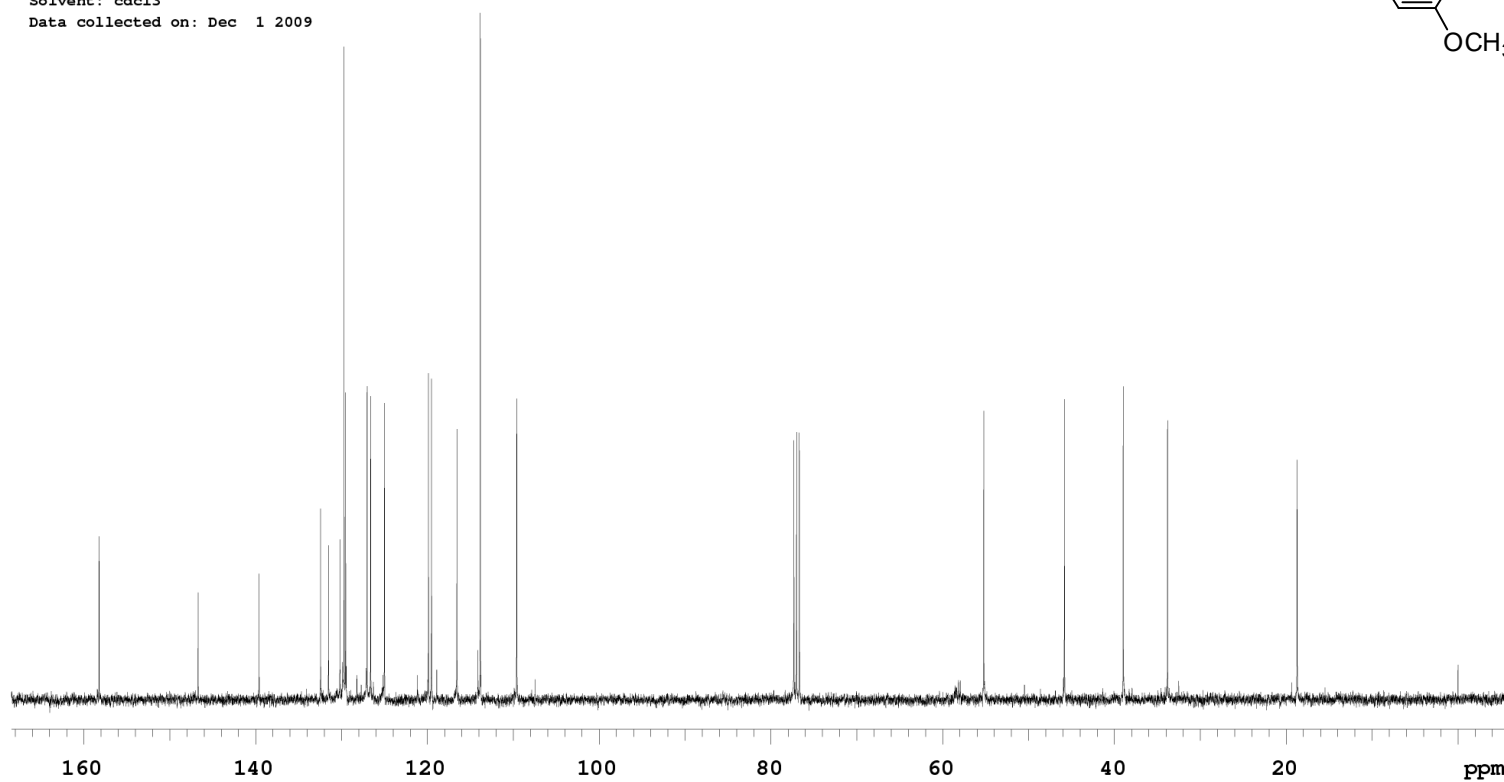
Sample directory:

FidFile: w-dms-nb3-61-2-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 1 2009



nb3-103-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

Sample directory:

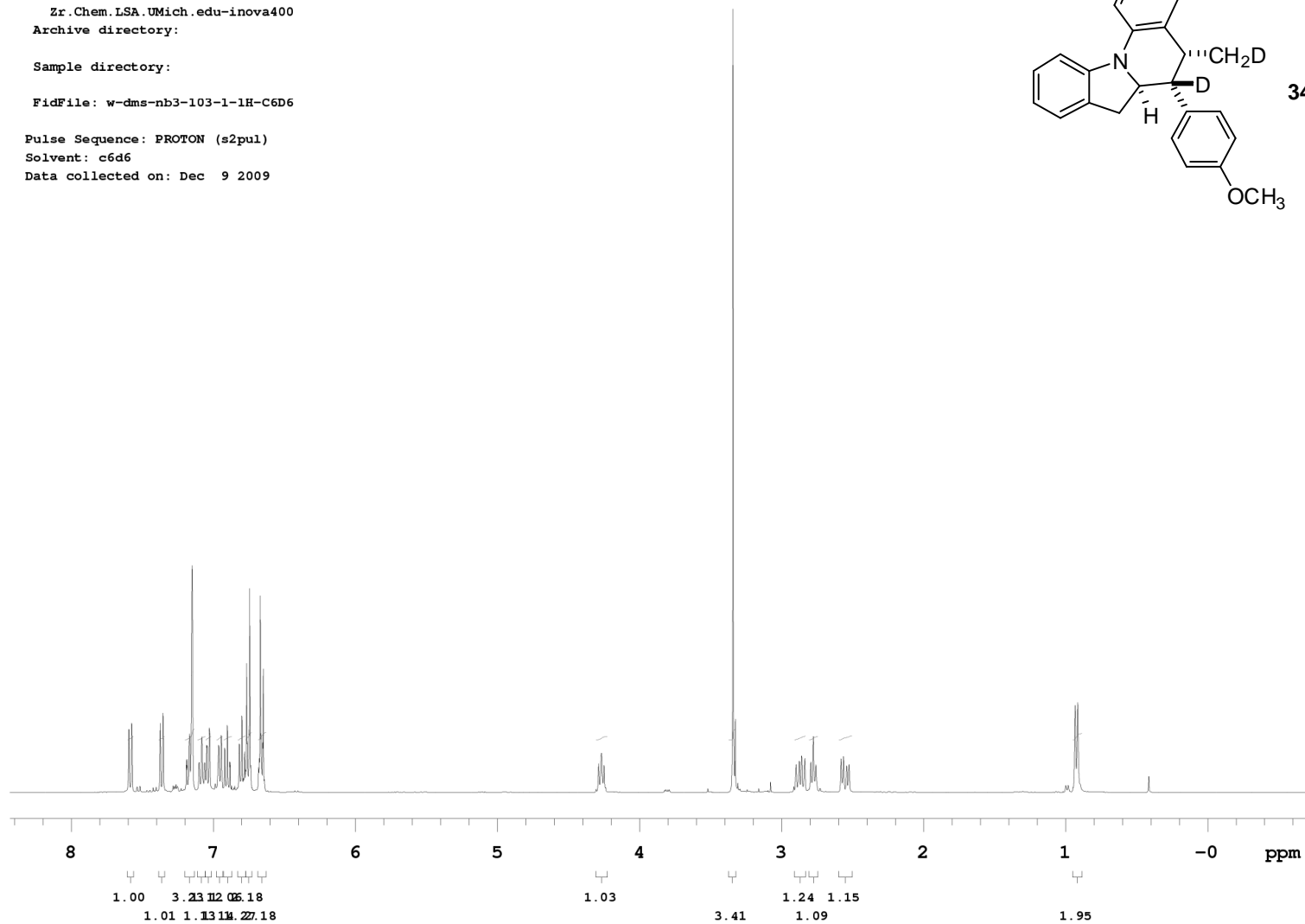
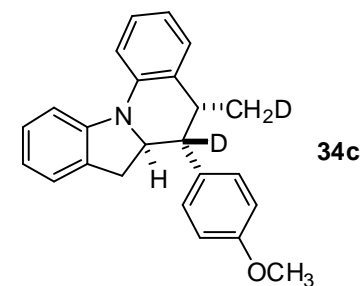
FidFile: w-dms-nb3-103-1-1H-C6D6

Pulse Sequence: PROTON (s2pul)

Solvent: c6d6

Data collected on: Dec 9 2009

VARIAN 



S101

nb3-103-1

Sample Name:

Data Collected on:

Zr.Chem.LSA.UMich.edu-inova400

Archive directory:

Sample directory:

FidFile: w-dms-nb3-103-13C

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 9 2009

VARIAN 

