

JMRIV-138.characterization

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-138.characterization

Pulse Sequence: Proton (s2pul)

Solvent: acetone

Data collected on: Oct 8 2008

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 8003.2 Hz

16 repetitions

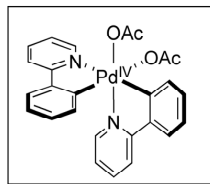
OBSERVE H1, 499.9068809 MHz

DATA PROCESSING

Line broadening 0.2 Hz

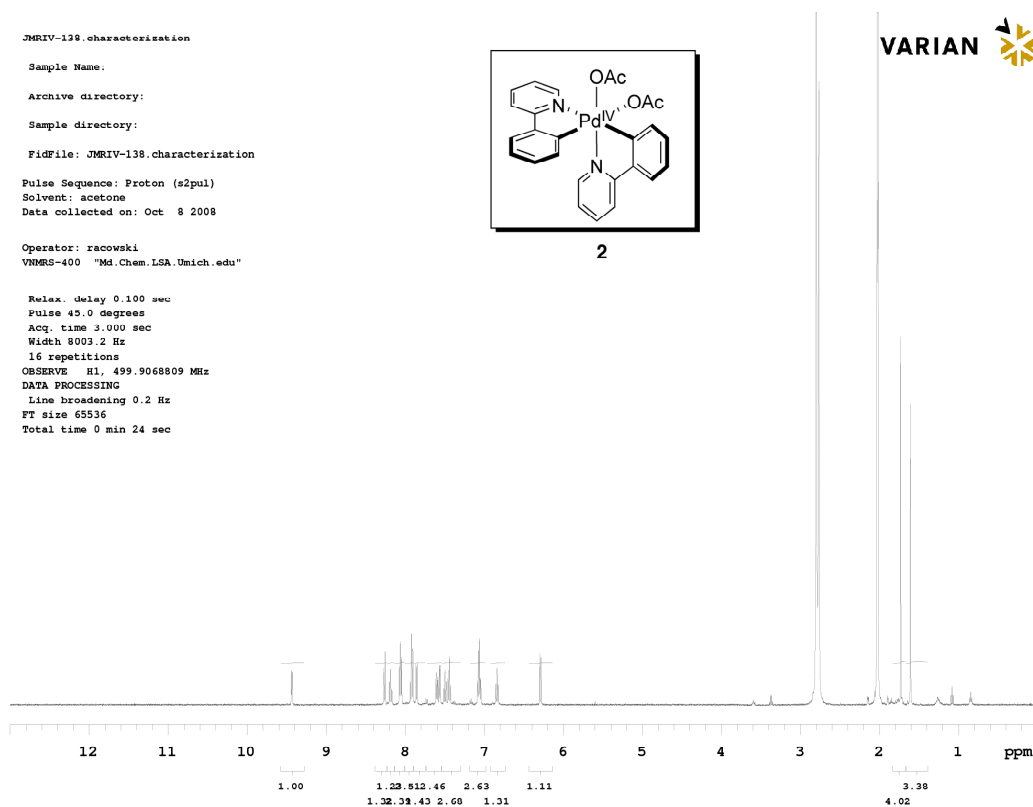
FT size 65536

Total time 0 min 24 sec



2

VARIAN 



JMRIV-182.characterization

Sample Name:

Data Collected on:

Ga.Chem.LSA.Umich.Edu-vnmrs400

Archive directory:

Sample directory:

FidFile: JMRIV-182.characterization

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 8 2008

Temp. 25.0 C / 298.1 K

Operator: racowski

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.856 sec

Width 6410.3 Hz

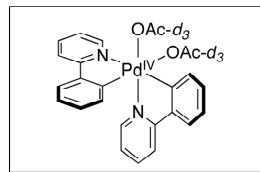
22 repetitions

OBSERVE H1, 399.8389243 MHz

DATA PROCESSING

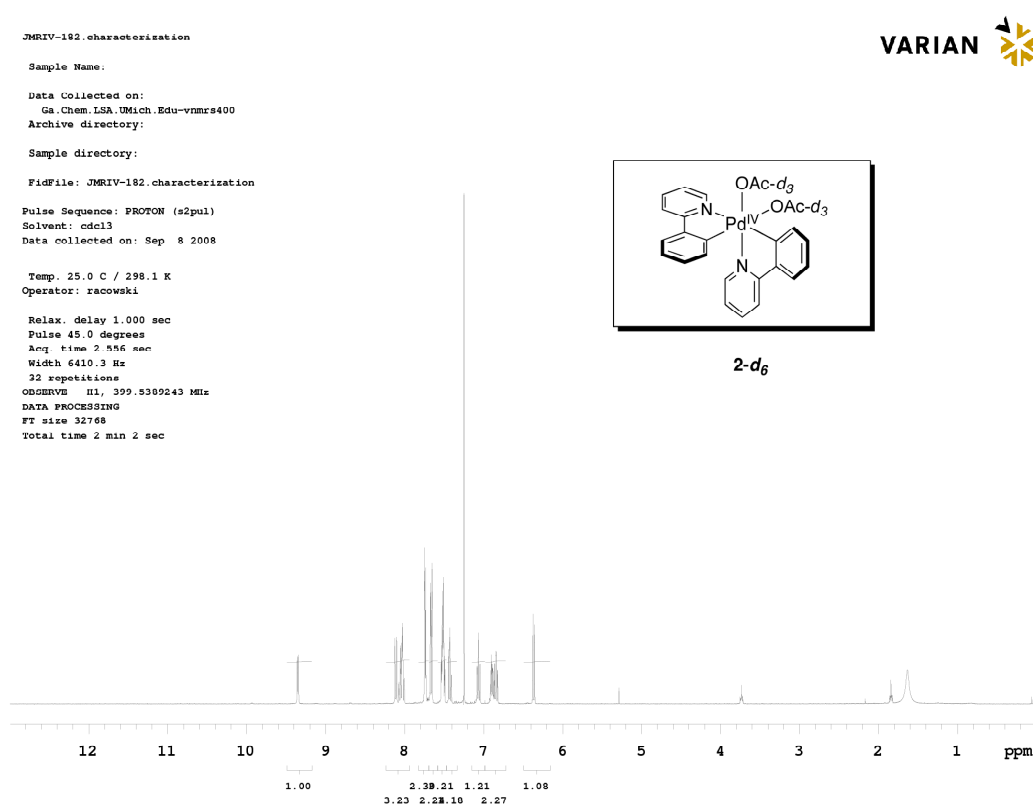
FT size 32768

Total time 2 min 2 sec



2-d₆

VARIAN 



JMRIV-165.characterization2

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-165.characterization2

Pulse Sequence: Proton (s2pul)

Solvent: acetone

Data collected on: Oct 8 2008

Operator: racowski

VNMRS-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 8003.2 Hz

16 repetitions

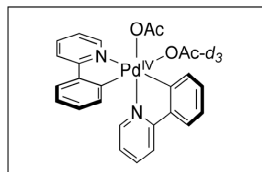
OBSERVE H1, 499.9068715 MHz

DATA PROCESSING

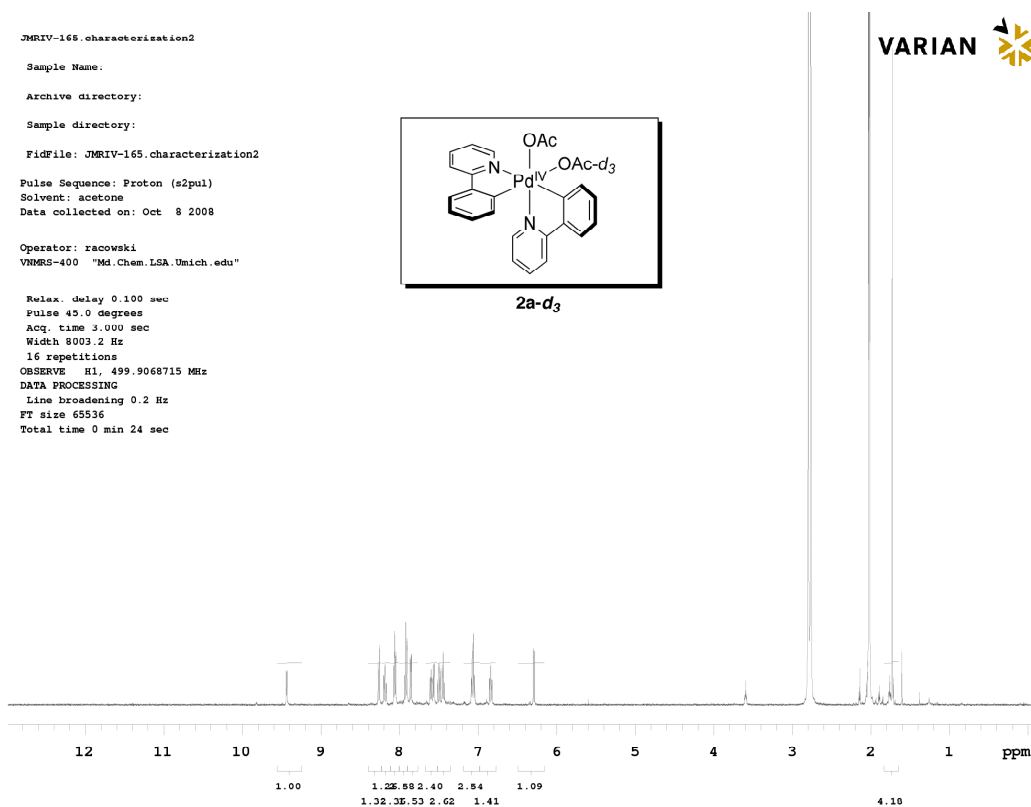
Line broadening 0.2 Hz

FT size 65536

Total time 0 min 24 sec



2a-d₃



JMRIV-221.003

Sample Name:

Data Collected on:

Ga.Chem.LSA.Umich.Edu-vnmrs400

Archive directory:

Sample directory:

FidFile: JMRIV-221.003

Pulse Sequence: PROTON (s2pul)

Solvent: acetone

Data collected on: Sep 21 2008

Operator: racowski

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.556 sec

Width 6410.3 Hz

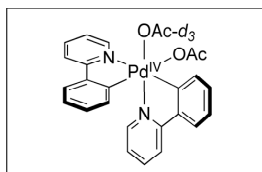
64 repetitions

OBSERVE H1, 299.8410018 MHz

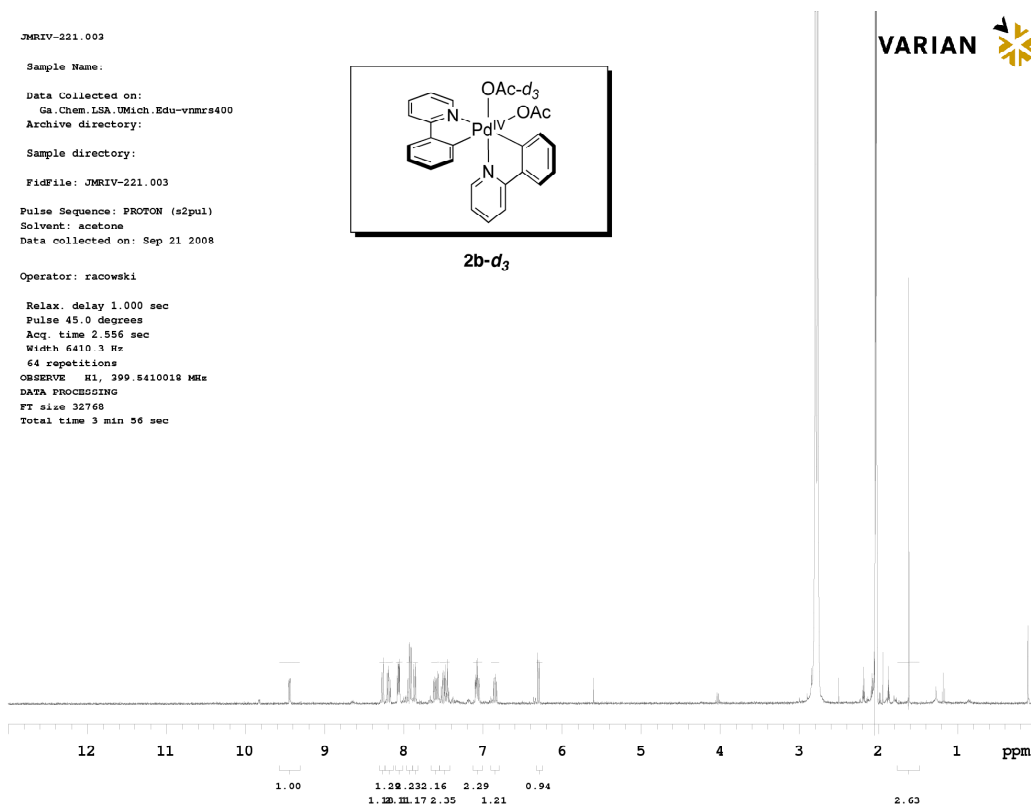
DATA PROCESSING

FT size 32768

Total time 3 min 56 sec



2b-d₃



JMRIV-100.characterization2

Sample Name:

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

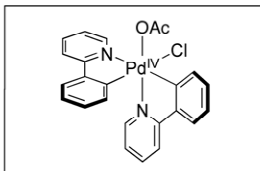
Sample directory:

File: JMRIV-100.characterization2

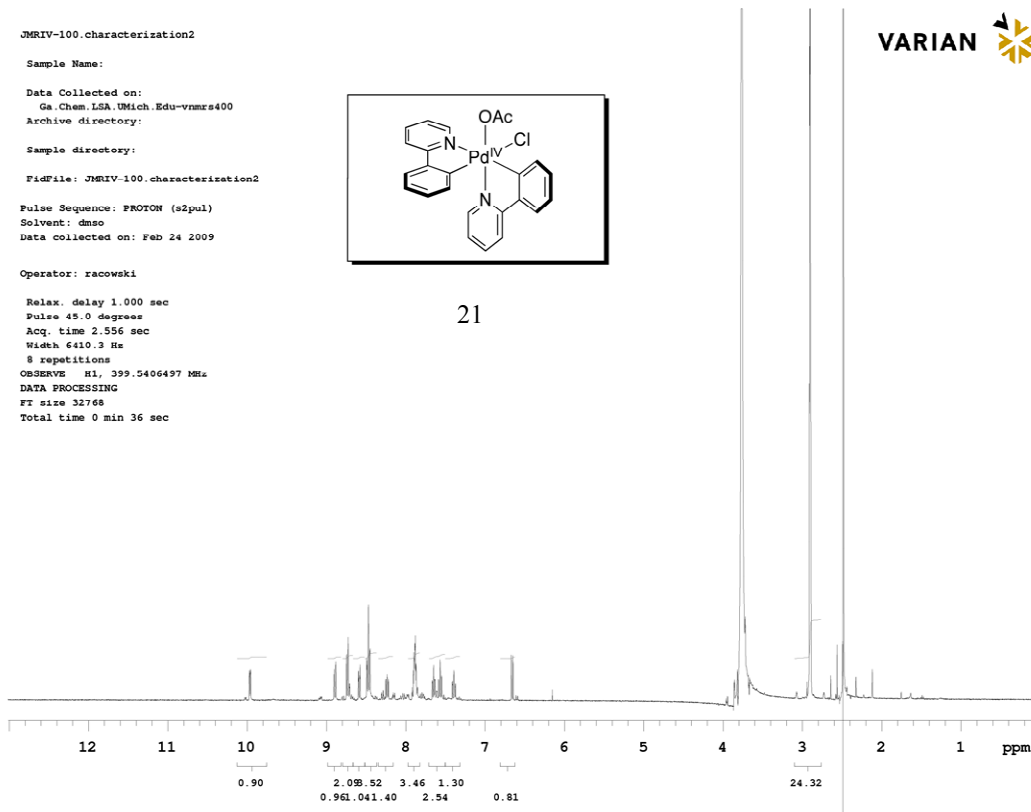
Pulse Sequence: PROTON (s2pul)
Solvent: dmso
Data collected on: Feb 24 2009

Operator: racowski

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.556 sec
Width 6410.3 Hz
8 repetitions
OBSERVE M1, 399.5406497 MHz
DATA PROCESSING
FT size 32768
Total time 0 min 36 sec



21



JMRIV-204.002

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-204.002

Pulse Sequence: Proton (s2pul)

Solvent: dmsd

Data collected on: Sep 11 2008

Operator: racowski

VNMR5-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 8003.2 Hz

32 repetitions

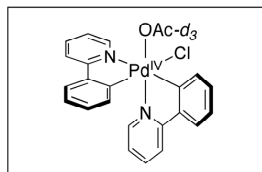
OBSERVE H1, 499.9066072 MHz

DATA PROCESSING

Line broadening 0.2 Hz

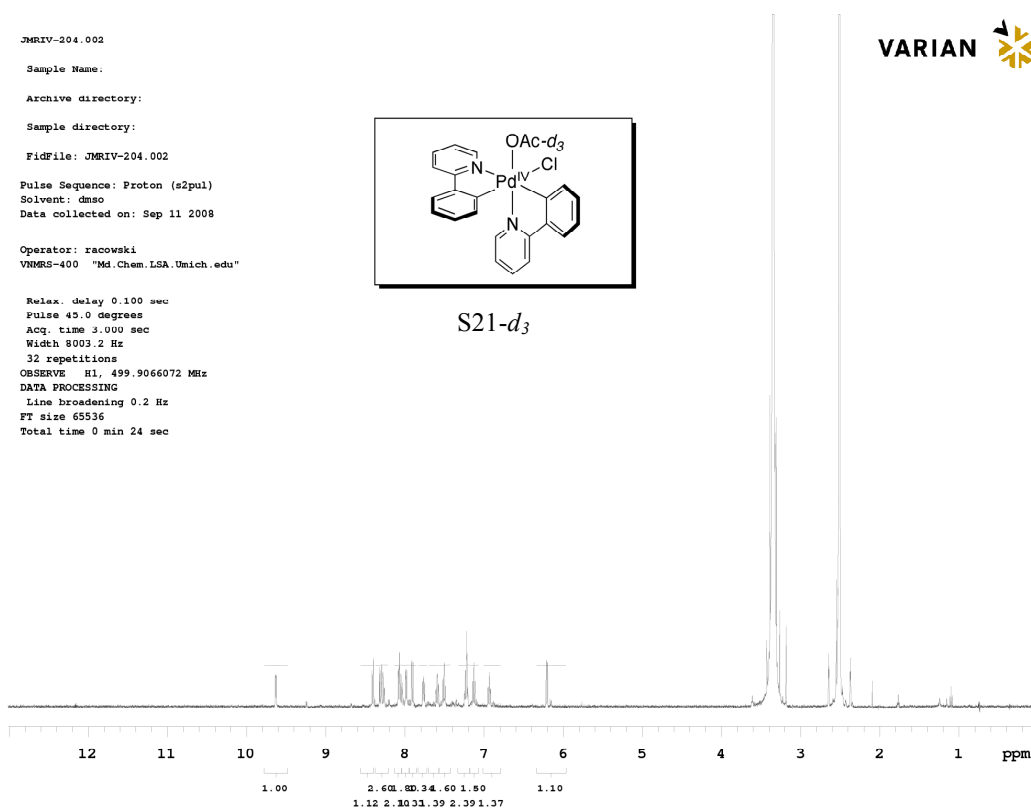
FT size 65536

Total time 0 min 24 sec



S21-d₃

VARIAN 



ard-6-241C

Sample Name:

Archive directory:

Sample directory:

FidFile: Carbon

Pulse Sequence: Carbon (zgpg3)

Solvent: CDCl₃

Data collected on: May 25 2006

Operator: ardick

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 1.300 sec

Width 24140.0 Hz

4832 repetitions

OBSERVE C13, 100.5712999 MHz

DECOUPLE H1, 399.9669644 MHz

Power 38 dB

continuously on

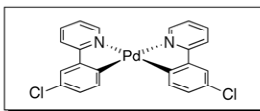
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

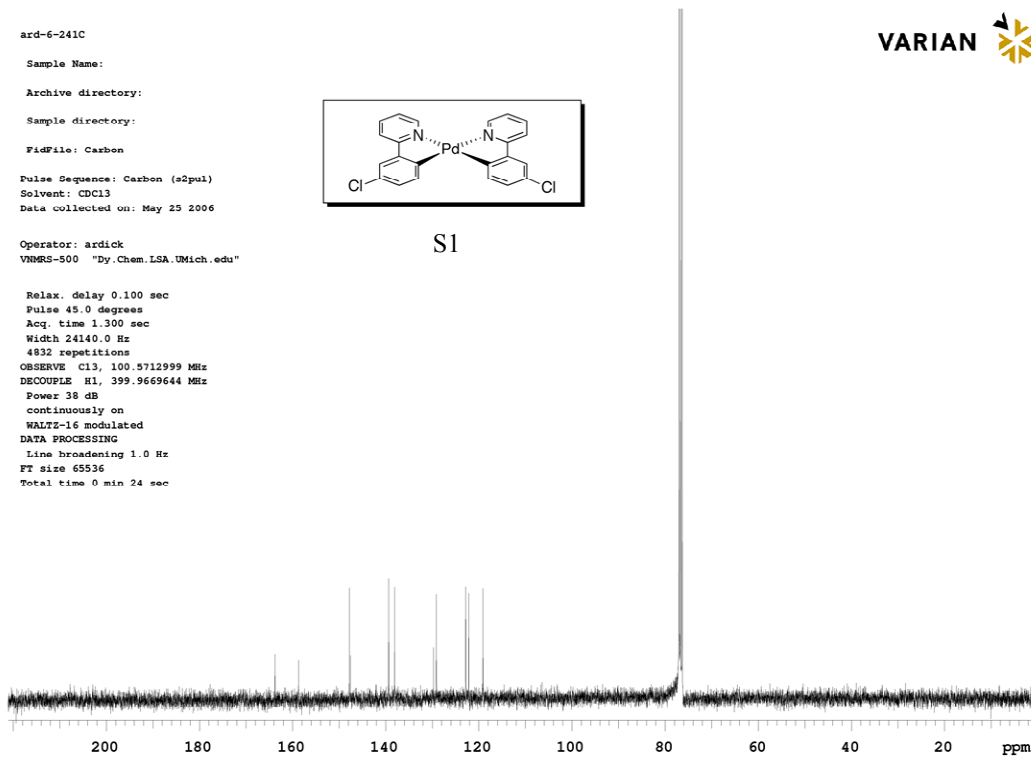
FT size 65536

Total time 0 min 24 sec



S1

VARIAN 



JMRV-PdII2ppyF

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRV-PdII2ppyF

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Feb 3 2009

Operator: racowski

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 6399.5 Hz

16 repetitions

OBSERVE H1, 399.9649615 MHz

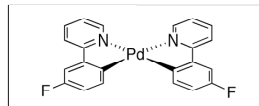
DATA PROCESSING

Line broadening 0.2 Hz

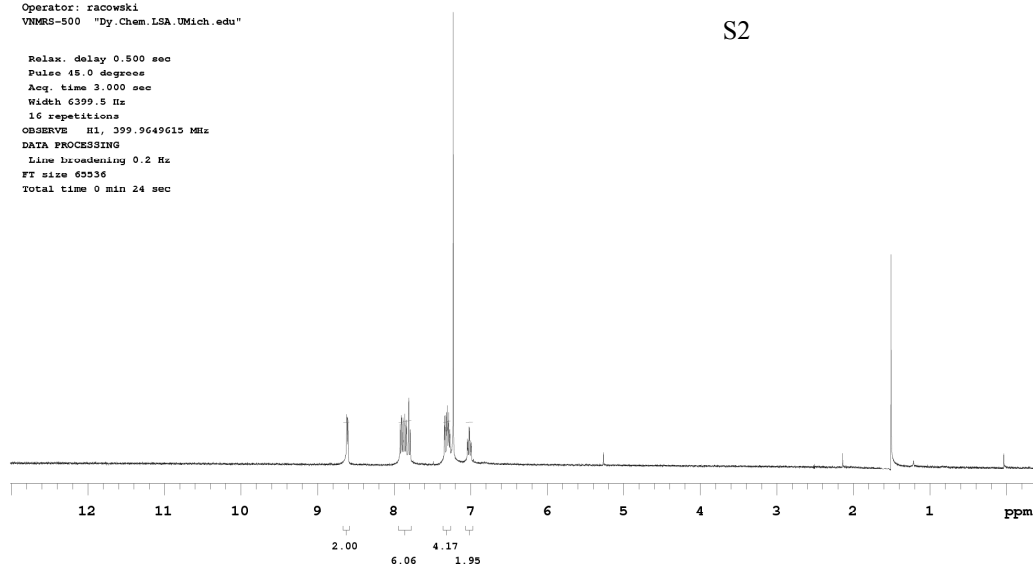
FT size 65536

Total time 0 min 24 sec

VARIAN 



S2



(FPhpy)2Pd in DMSO C

Sample Name:

Archive directory:

Sample directory:

FidFile: Carben

Pulse Sequence: Carben (s2pul)

Solvent: DMSO

Data collected on: Sep 22 2006

Operator: ardick

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 0.100 sec

Pulse 30.0 degrees

Acq. time 1.300 sec

Width 30165.9 Hz

1376 repetitions

OBSERVE C13, 125.7016803 MHz

DECOUPLE H1, 499.9096278 MHz

Power 39 dB

continuously on

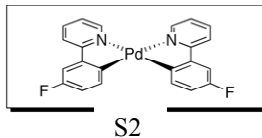
WALTZ-16 modulated

DATA PROCESSING

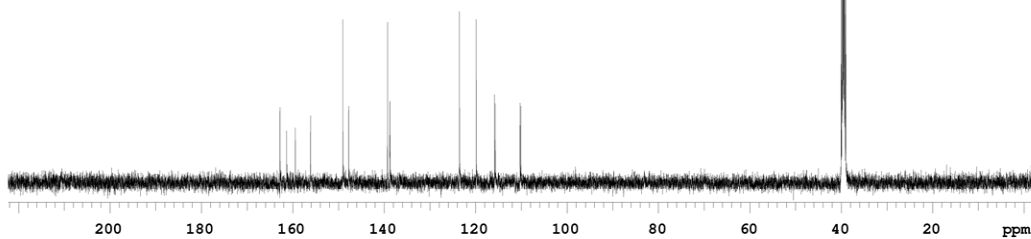
Line broadening 1.0 Hz

FT size 131072

Total time 0 min 24 sec



VARIAN 



JMRV-PdII2ppyFFNMR

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRV-PdII2ppyFFNMR

Pulse Sequence: Fluorine (s2pul)

Solvent: cdcl3

Data collected on: Feb 3 2009

Operator: racowski

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.455 sec

Width 75250.7 Hz

16 repetitions

OBSERVE F19, 376.3430777 MHz

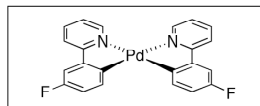
DATA PROCESSING

Line broadening 0.7 Hz

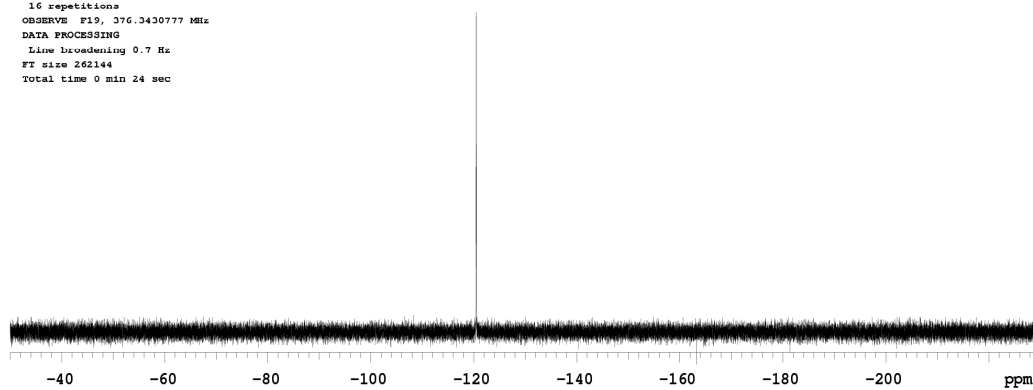
FT size 262144

Total time 0 min 24 sec

VARIAN 



S2



(ClPhpy)2Pd(OAc)2

Sample Name:

Archive directory:

Sample directory:

FidFile: Proton

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Dec 20 2006

Operator: ardick

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7998.4 Hz

16 repetitions

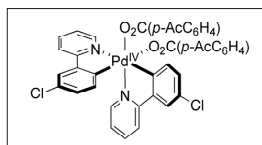
OBSERVE H1, 499.9042658 MHz

DATA PROCESSING

Line broadening 0.2 Hz

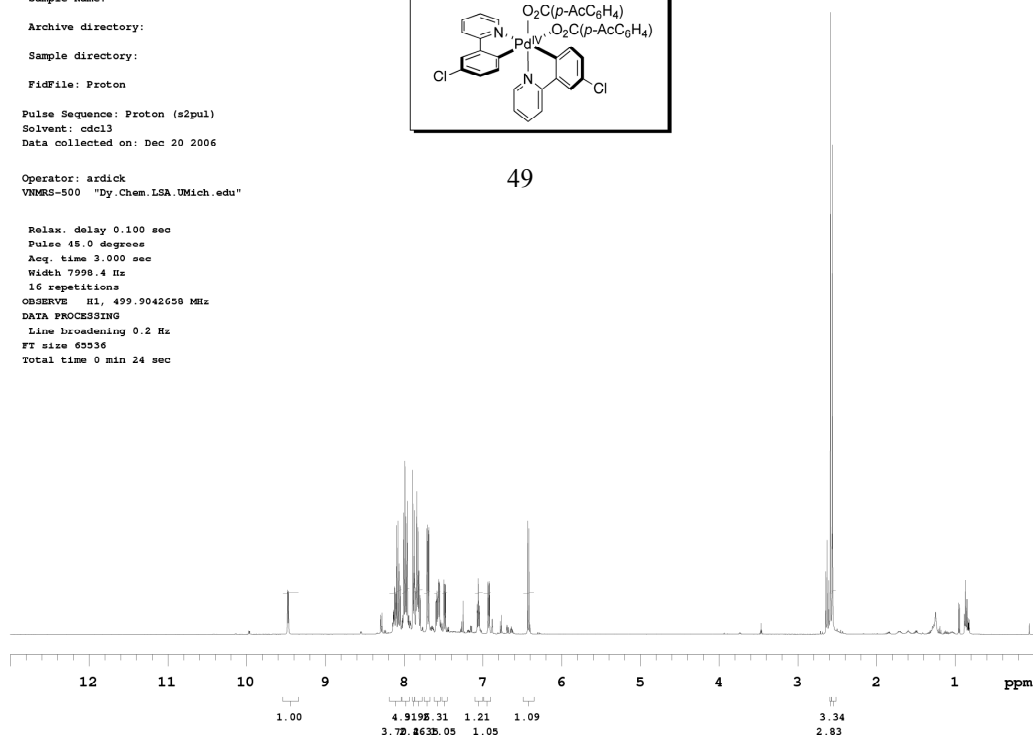
FT size 65536

Total time 0 min 24 sec



49

VARIAN 



(FPhpy)2Pd(OBzAc)2

Sample Name:

Archive directory:

Sample directory:

FidFile: Proton

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Dec 20 2006

Operator: ardick

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7998.4 Hz

16 repetitions

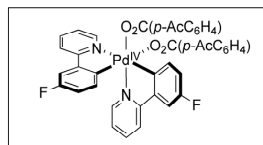
OBSERVE H1, 499.9042607 MHz

DATA PROCESSING

Line broadening 0.2 Hz

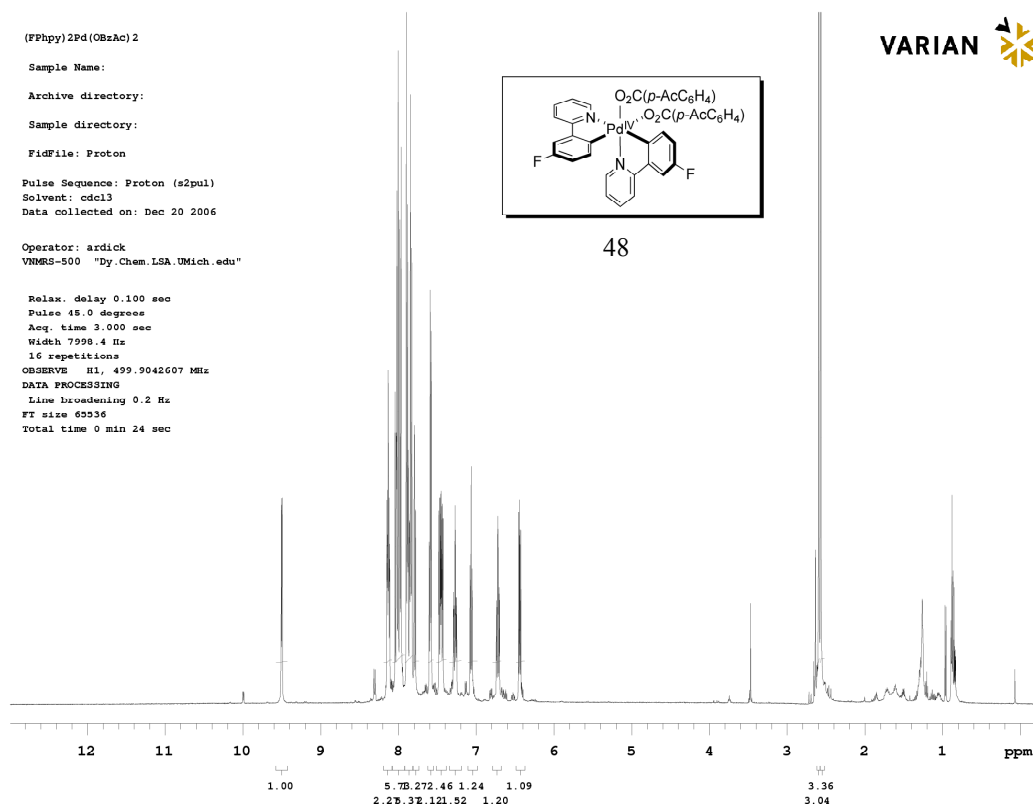
FT size 65536

Total time 0 min 24 sec



48

VARIAN 



(MePhpy)2Pd (OBzAc)2

Sample Name:

Archive directory:

Sample directory:

FidFile: Proton

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Dec 20 2006

Operator: ardict

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 7998.4 Hz

16 repetitions

OBSERVE H1, 499.9042624 MHz

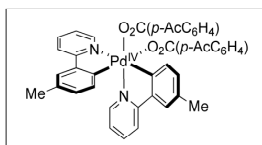
DATA PROCESSING

Line broadening 0.2 Hz

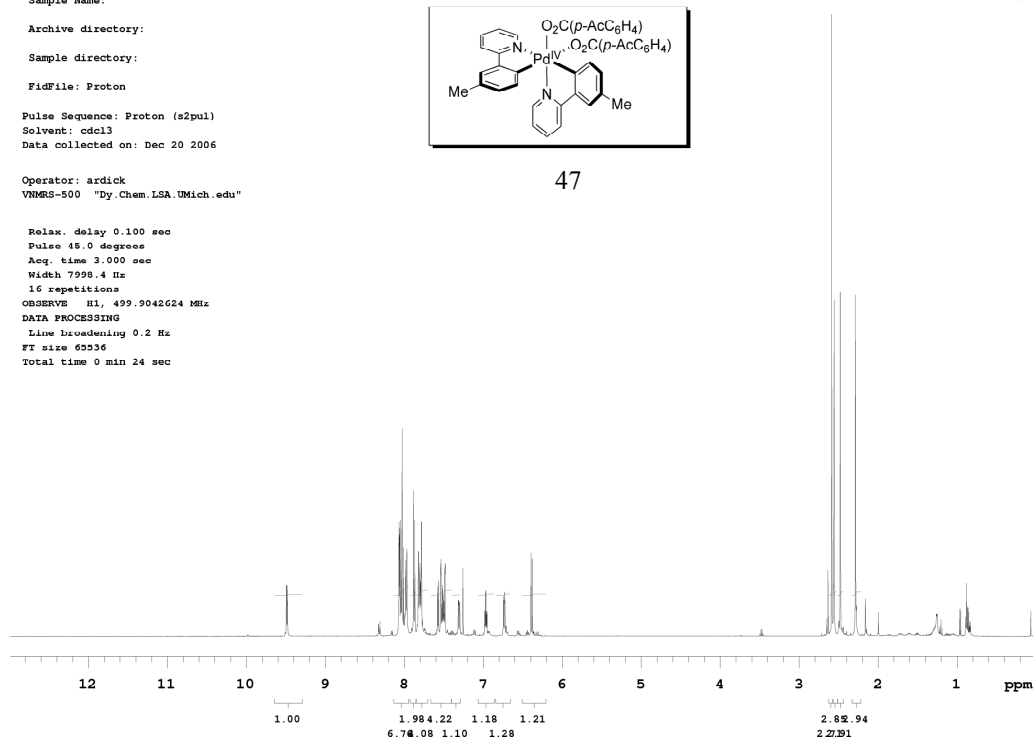
FT size 65536

Total time 0 min 24 sec

VARIAN



47



JMRIV-240.003

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-240.003

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Sep 30 2008

Temp. 25.0 C / 298.1 K

Operator: racowski

VNMRS-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 6399.5 Hz

16 repetitions

OBSERVE H1, 399.9649316 MHz

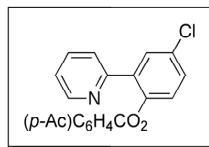
DATA PROCESSING

Line broadening 0.2 Hz

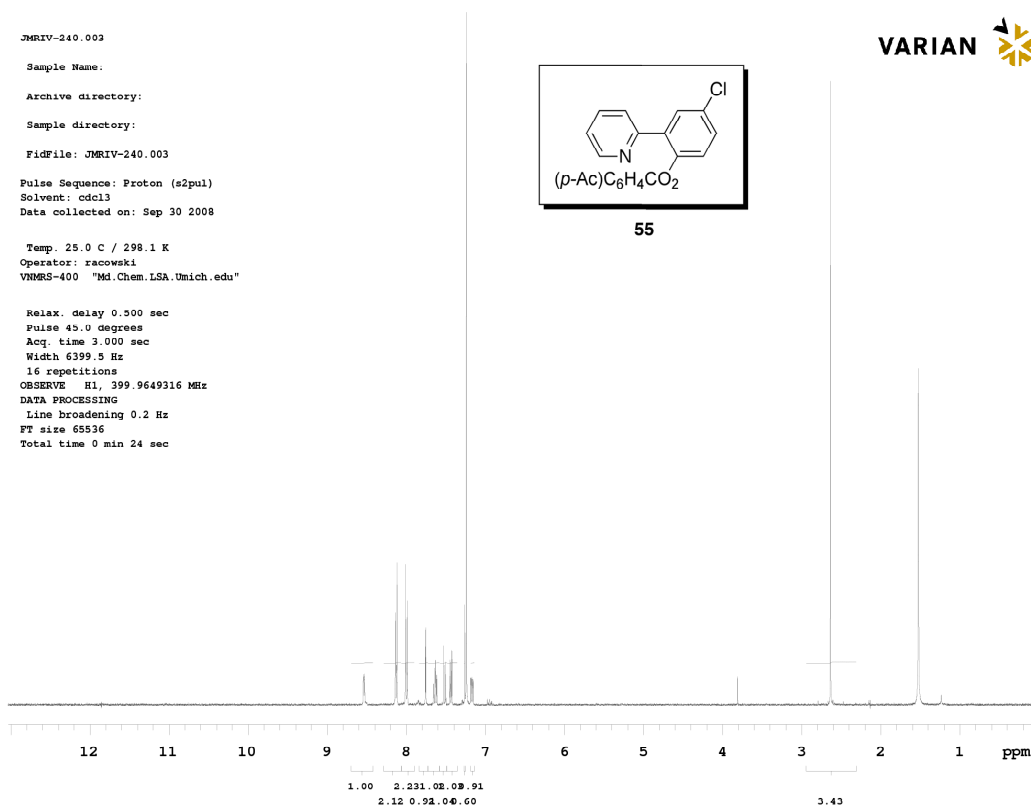
FT size 65536

Total time 0 min 24 sec

VARIAN 



55



JMRIV-243.CNMR



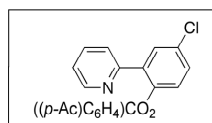
Sample Name:

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

Sample directory:

FidFile: JMRIV-243.CNMR

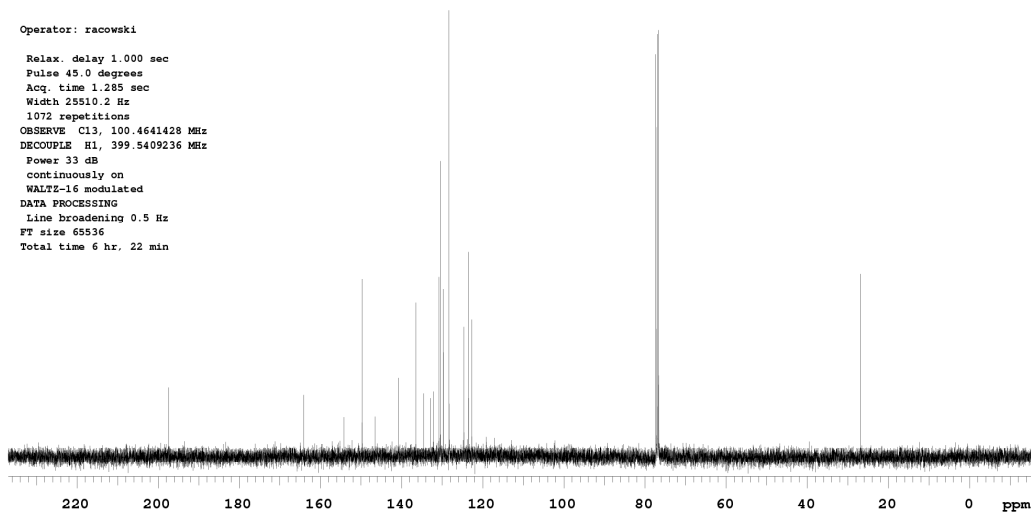
Pulse Sequence: CARRON (s2pul)
Solvent: cdcl3
Data collected on: Nov 17 2008



55

Operator: racowski

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.285 sec
Width 25510.2 Hz
1072 repetitions
OBSERVE C13, 100.4641428 MHz
DECOUPLE H1, 399.5409236 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 6 hr, 22 min



JMRIV-248.002

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-248.002

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Oct 1 2008

Operator: racowski

VNMR5-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 8003.2 Hz

16 repetitions

OBSERVE H1, 499.9042564 MHz

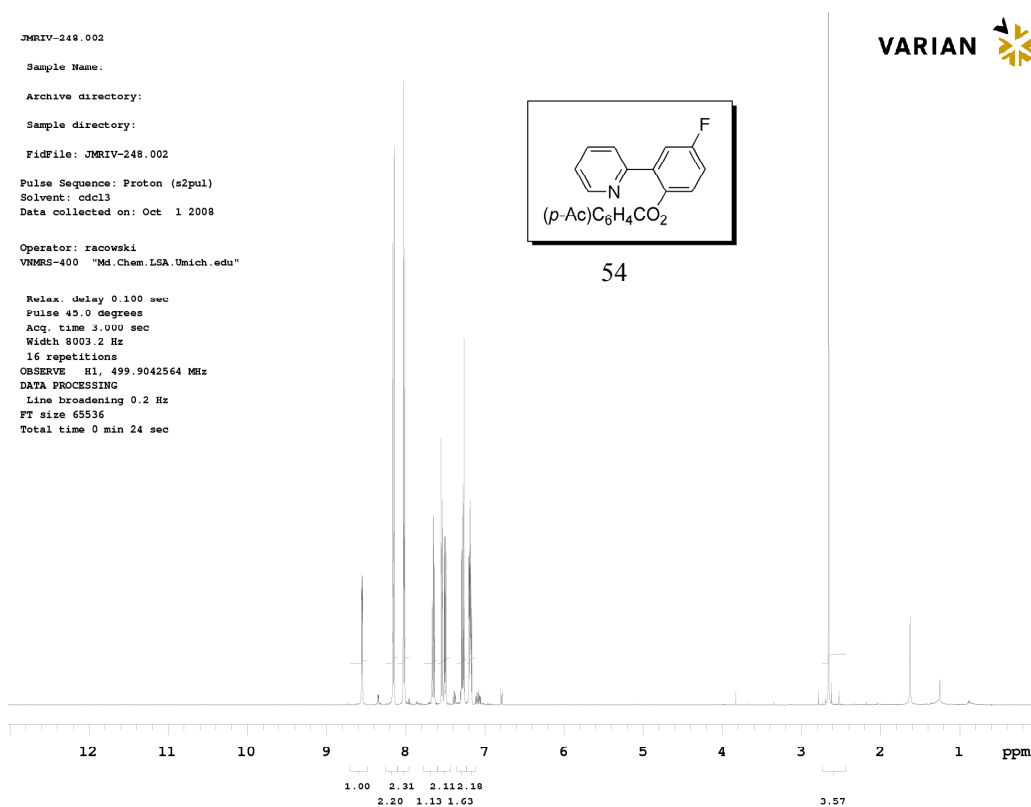
DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 24 sec

VARIAN



JMRIV-248.001F7MR

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-248.001F7MR

Pulse Sequence: FLUORINE (s2pul)

Solvent: cdcl3

Data collected on: Oct 16 2008

Operator: racowski

Relax. delay 1.000 sec

Pulse 35.0 degrees

Acq. time 0.734 sec

Width 89285.7 Hz

32 repetitions

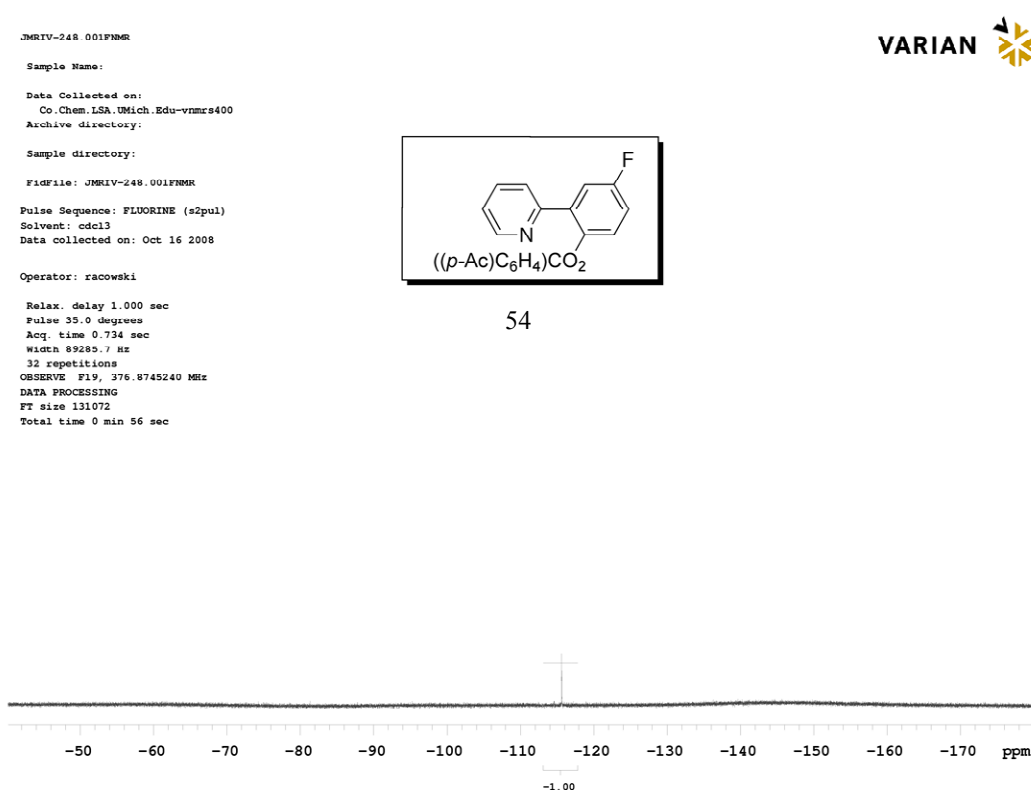
OBSERVE F19, 376.8745240 MHz

DATA PROCESSING

FT size 131072

Total time 0 min 56 sec

VARIAN



JMRIV-248.CNMR

Sample Name:

Data Collected on:
co.chem.lsa.umich.edu-vnmrs400
Archive directory:

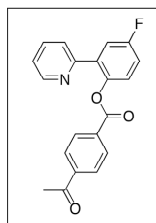
Sample directory:

FidFile: JMRIV-248.CNMR

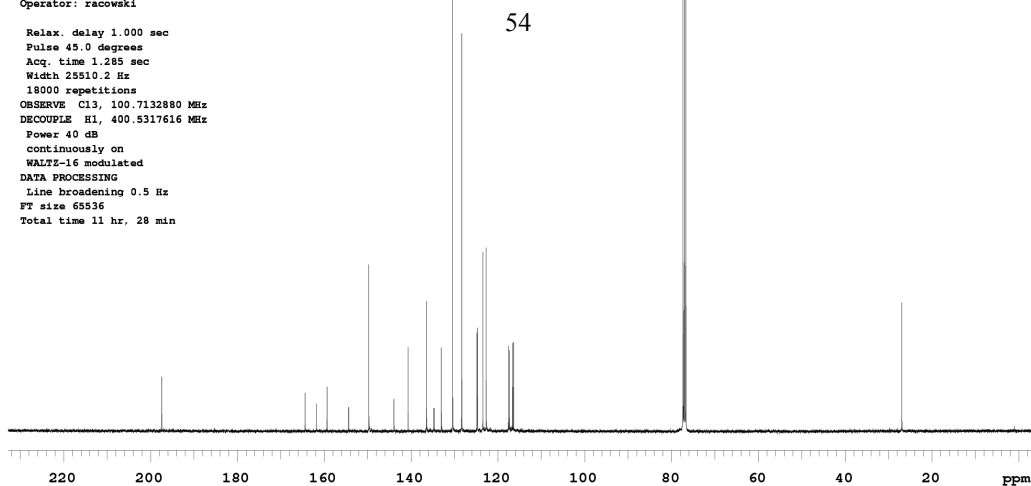
Pulse Sequence: CARRON (s2pul)
Solvent: cdcl3
Data collected on: Mar 10 2009

Operator: racowski

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.285 sec
Width 25510.2 Hz
18000 repetitions
OBSERVE C13, 100.7132880 MHz
DECOUPLE H1, 400.5317616 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 11 hr, 28 min



VARIAN 



JMRIV-225.005

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-225.005

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Oct 25 2008

Operator: racowski

VNMR5-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 8003.2 Hz

16 repetitions

OBSERVE H1, 499.9042565 MHz

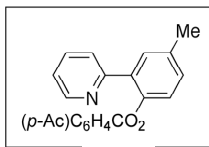
DATA PROCESSING

Line broadening 0.2 Hz

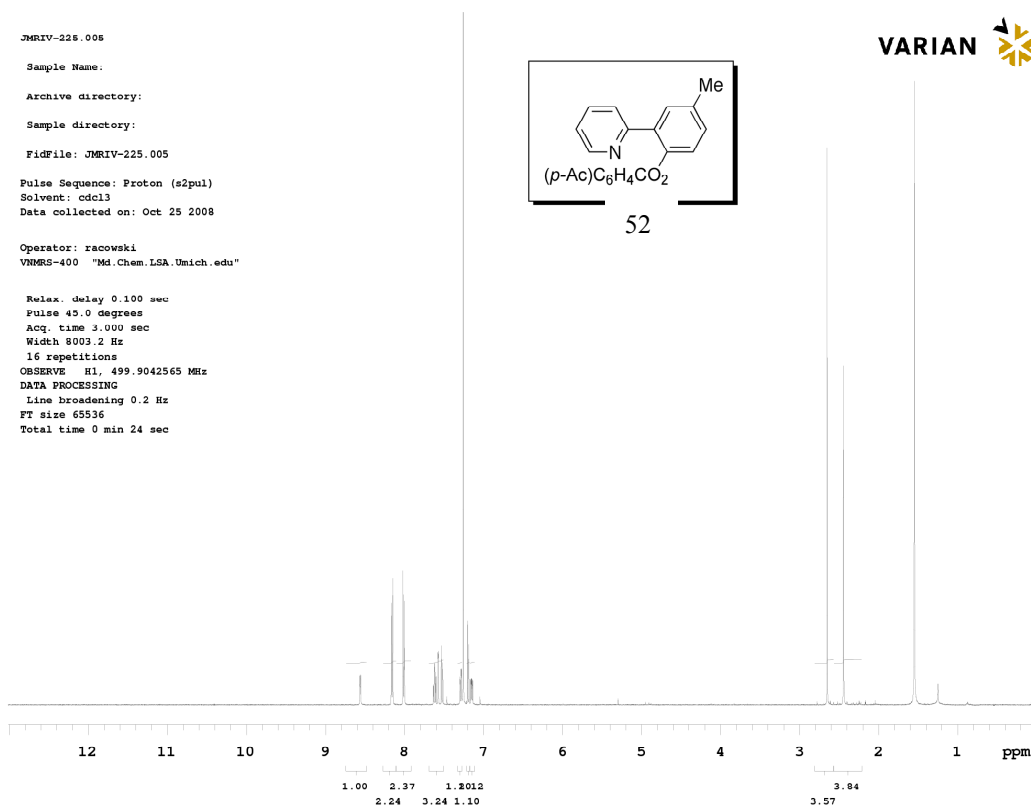
FT size 65536

Total time 0 min 24 sec

VARIAN



52



JMRIV-225.CNMR

Sample Name:

Data Collected on:
Ga. Chem. LSA, UMICH. Edu-vnmrs400
Archive directory:

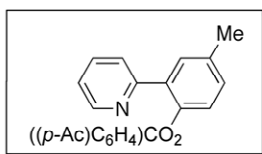
Sample directory:

File: JMRIV-225.CNMR

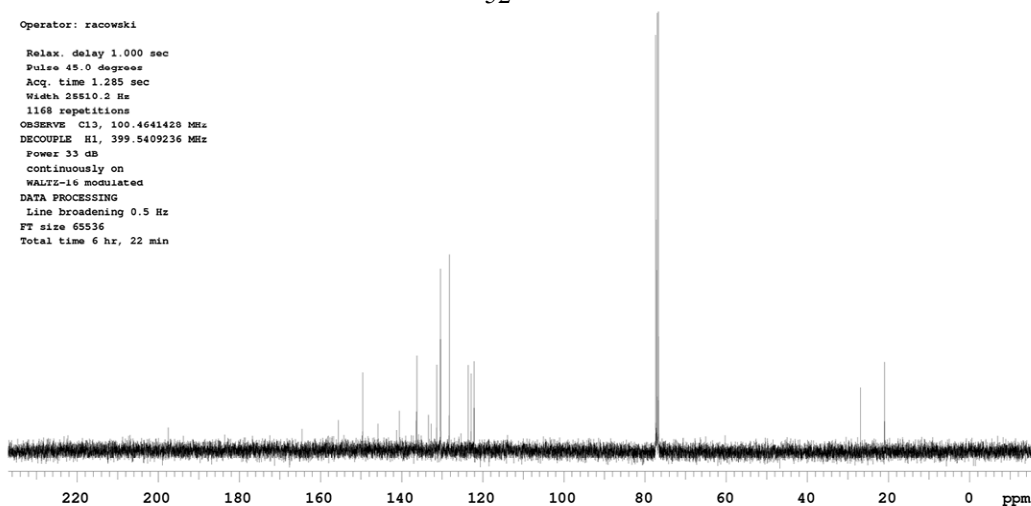
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 17 2008

Operator: racowski

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.285 sec
Width 28510.2 Hz
1168 repetitions
OBSERVE C13, 100.4641428 MHz
DECOUPLE H1, 399.5409236 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 6 hr, 22 min



52



ard-8-213 for carbon

Sample Name:

Archive directory:

Sample directory:

FidFile: Proton

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Feb 20 2007

Operator: ardick

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 6399.5 Hz

16 repetitions

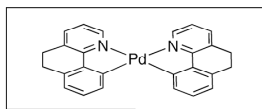
OBSERVE H1, 399.9649541 MHz

DATA PROCESSING

Line broadening 0.2 Hz

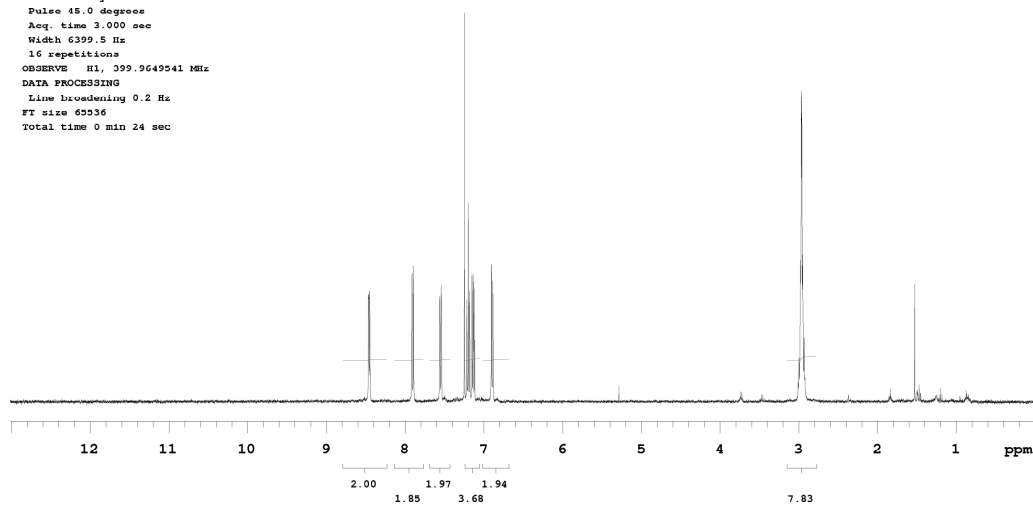
FT size 65536

Total time 0 min 24 sec



S4

VARIAN 



ard-8-213C

Sample Name:

Archive directory:

Sample directory:

FidFile: Carbon

Pulse Sequence: Carbon (s2pul)

Solvent: cdcl3

Data collected on: Feb 20 2007

Operator: ardick

VNMR5-500 "Dy.Chem.LSA.UMich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 1.300 sec

Width 24140.0 Hz

944 repetitions

OBSERVE C13, 100.5712508 MHz

DECOUPLE H1, 399.9669644 MHz

Power 39 dB

continuously on

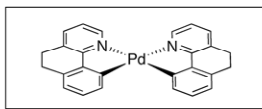
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.8 Hz

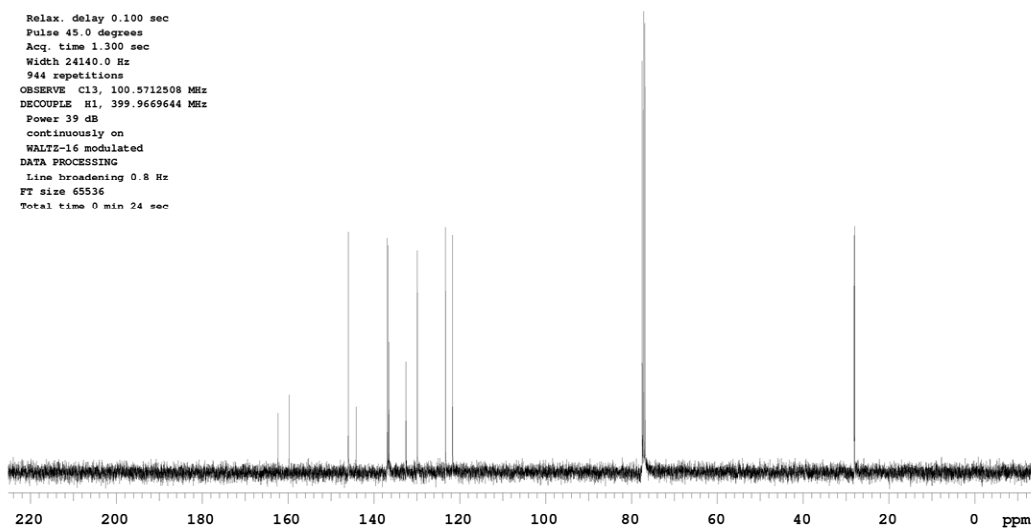
FT size 65536

Total time 0 min 24 sec



S4

VARIAN 



u

JMR111-233.002

Sample Name:

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

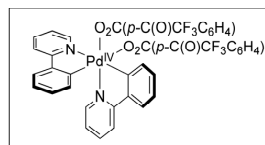
Sample directory:

FidFile: JMR111-233.002

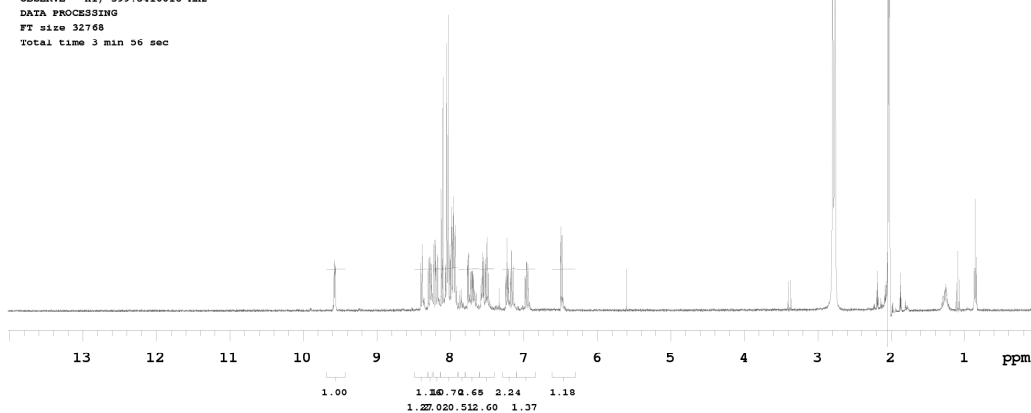
Pulse Sequence: PROTON (s2pul)
Solvent: acetone
Data collected on: Oct 8 2008

Temp. -30.0 C / 243.2 K
Operator: racowski

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.556 sec
Width 6410.3 Hz
64 repetitions
OBSERVE H1, 399.8410016 MHz
DATA PROCESSING
FT size 32768
Total time 3 min 56 sec



62



JMR111-233.characterizationF19M

Sample Name:

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

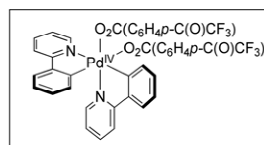
Sample directory:

FidFile: JMR111-233.characterizationF19M

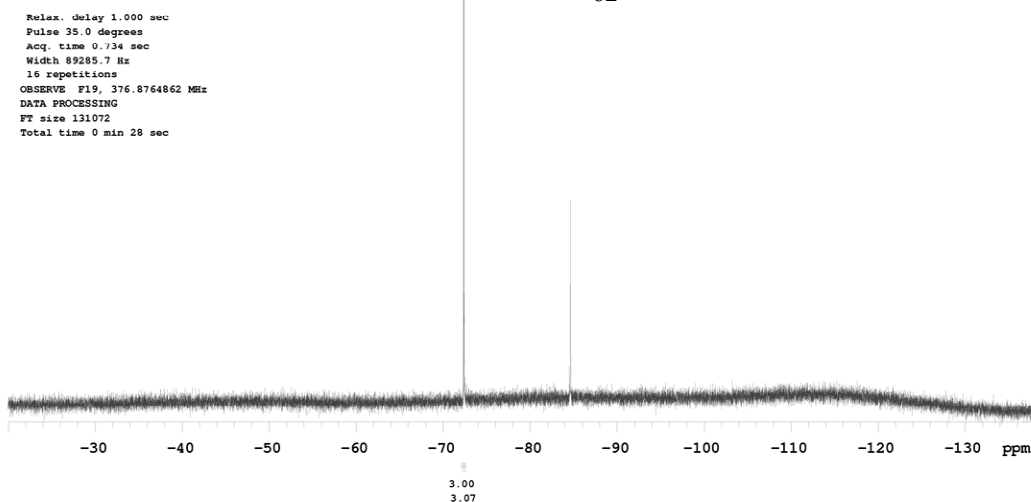
Pulse Sequence: FLUORINE (s2pul)
Solvent: acetone
Data collected on: Sep 12 2008

Temp. 25.0 C / 298.1 K
Operator: racowski

Relax. delay 1.000 sec
Pulse 35.0 degrees
Acq. time 0.734 sec
Width 89285.7 Hz
16 repetitions
OBSERVE F19, 376.8764862 MHz
DATA PROCESSING
FT size 131072
Total time 0 min 28 sec



62



JMR111-16.001

Sample Name:

Archive directory:

Sample directory:

FidFile: JMR111-16.001

Pulse Sequence: Proton (s2pul)

Solvent: acetone

Data collected on: Nov 26 2007

Temp. 24.0 C / 297.1 K

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 9.000 sec

Width 8003.2 Hz

16 repetitions

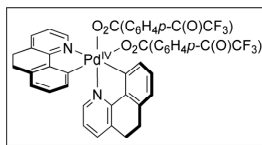
OBSERVE H1, 499.9070024 MHz

DATA PROCESSING

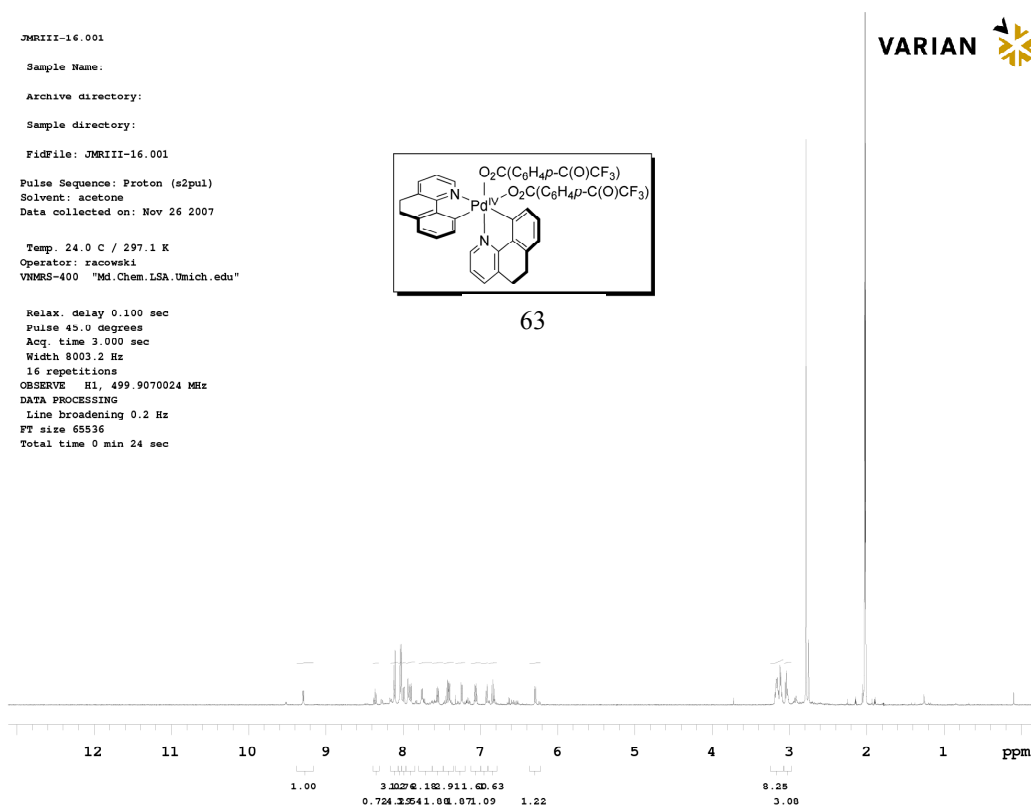
Line broadening 0.2 Hz

FT size 65536

Total time 0 min 24 sec



63



VARIAN

JMR111-16.005FMR

Sample Name:

Archive directory:

Sample directory:

FidFile: JMR111-16.005FMR

Pulse Sequence: Fluorine (s2pul)

Solvent: acetone

Data collected on: Nov 11 2008

Temp. 25.0 C / 298.1 K

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.455 sec

Width 75258.7 Hz

16 repetitions

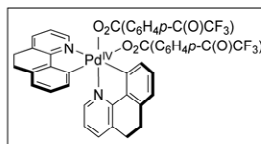
OBSERVE F19, 376.3449436 MHz

DATA PROCESSING

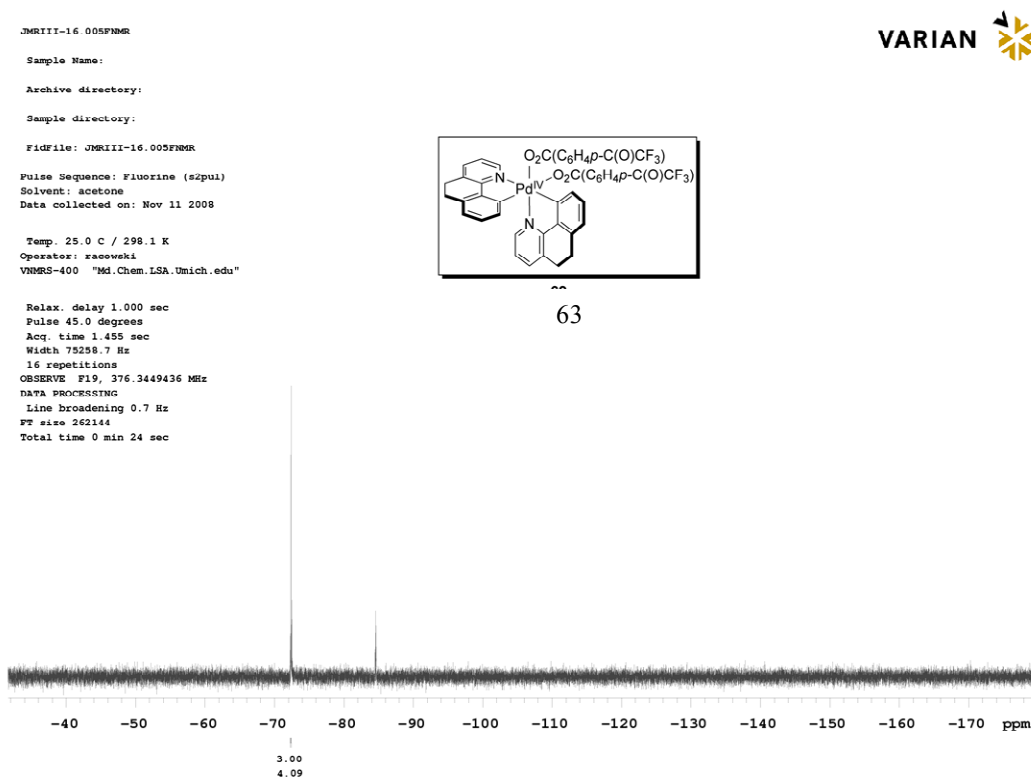
Line broadening 0.7 Hz

FT size 262144

Total time 0 min 24 sec



63



VARIAN

JMR111-43.001

Sample Name:

Archive directory:

Sample directory:

FidFile: JMR111-43.001

Pulse Sequence: Proton (s2pul)

Solvent: acetone

Data collected on: Dec 7 2007

Temp. 24.0 C / 297.1 K

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 9.000 sec

Width 6399.5 Hz

16 repetitions

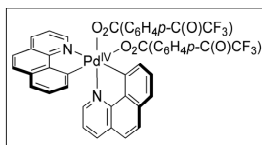
OBSERVE H1, 399.9672712 MHz

DATA PROCESSING

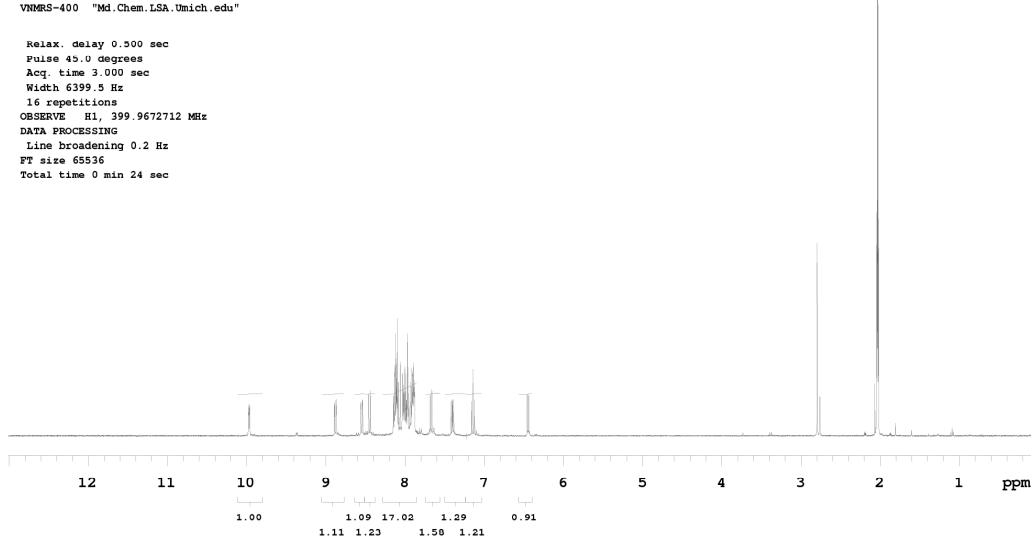
Line broadening 0.2 Hz

FT size 65536

Total time 0 min 24 sec



64



JMR111-43.001FMR

Sample Name:

Archive directory:

Sample directory:

FidFile: JMR111-43.001FMR

Pulse Sequence: Fluorine (s2pul)

Solvent: cdcl3

Data collected on: Dec 7 2007

Temp. 24.0 C / 297.1 K

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.455 sec

Width 75258.7 Hz

16 repetitions

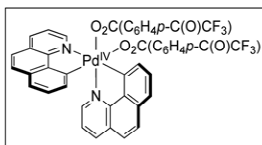
OBSERVE F19, 376.3452456 MHz

DATA PROCESSING

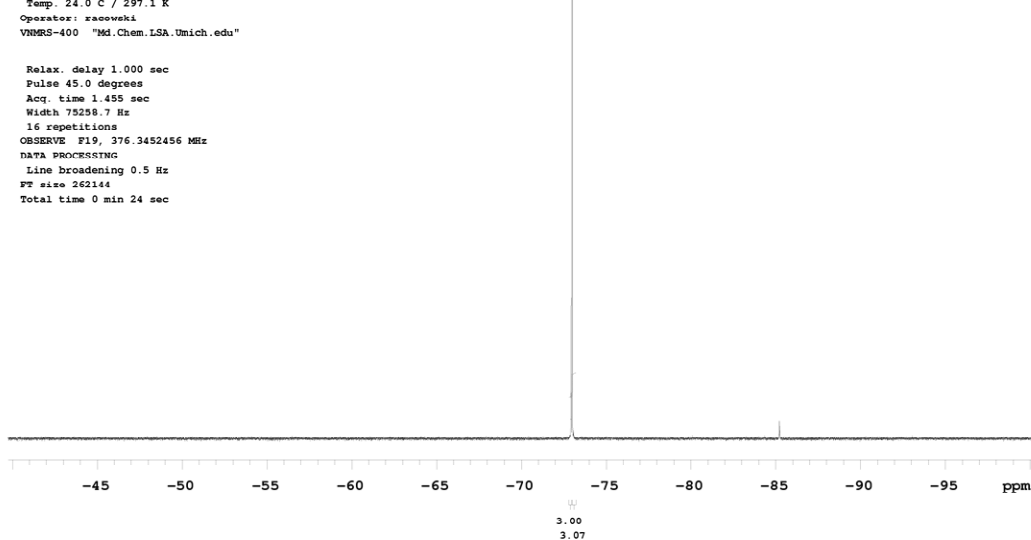
Line broadening 0.5 Hz

FT size 262144

Total time 0 min 24 sec



64



JMRIV-245.characterization

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-245.characterization

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Oct 2 2008

Temp. 30.0 C / 303.1 K

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 9.000 sec

Width 6399.5 Hz

16 repetitions

OBSERVE H1, 399.9649512 MHz

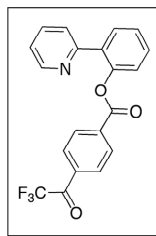
DATA PROCESSING

Line broadening 0.2 Hz

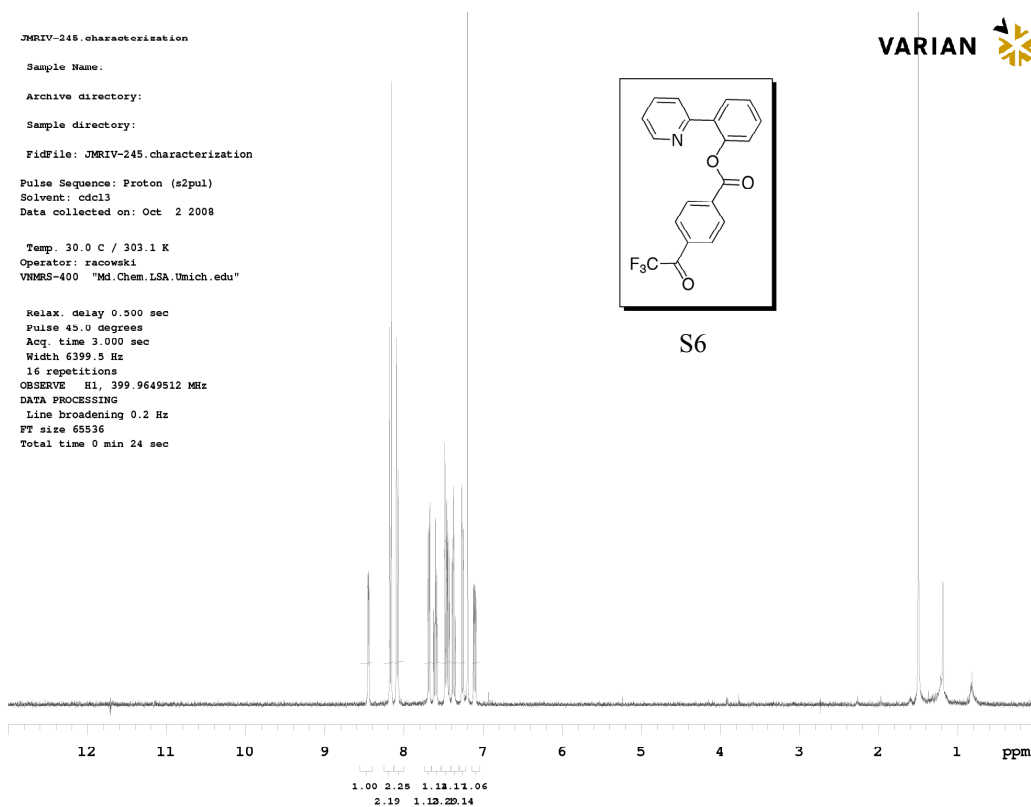
FT size 65536

Total time 0 min 24 sec

VARIAN



S6



JMRIV-249.FNMRrecrystal

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-245.FNMRrecrystal

Pulse Sequence: Fluorine (s2pul)

Solvent: cdcl3

Data collected on: Oct 3 2008

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.459 sec

Width 75258.7 Hz

16 repetitions

OBSERVE F19, 376.3430779 MHz

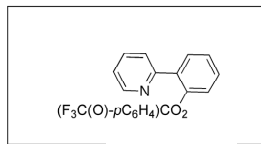
DATA PROCESSING

Line broadening 0.7 Hz

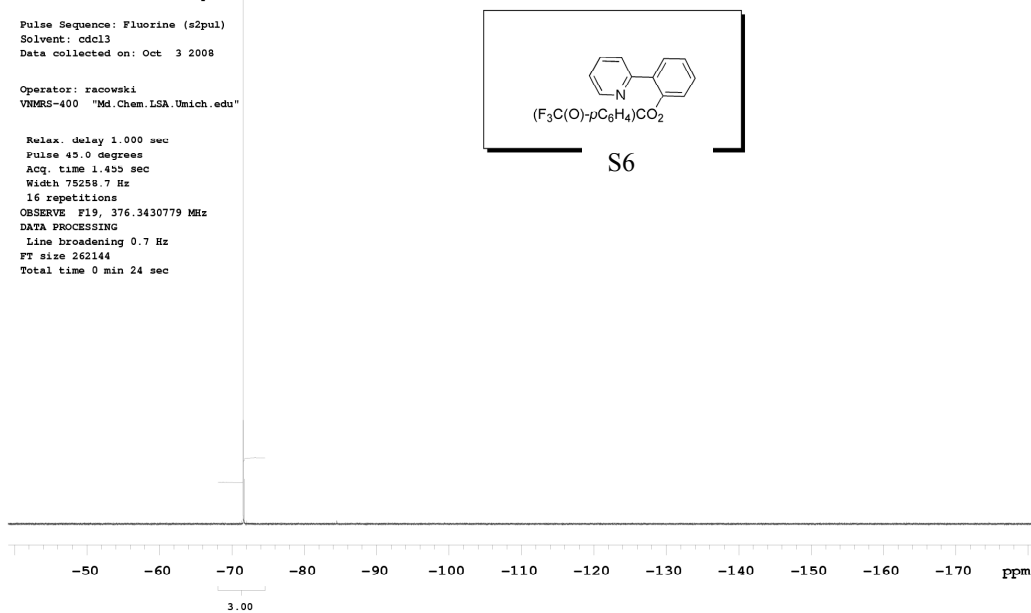
FT size 262144

Total time 0 min 24 sec

VARIAN



S6



JMRIV-249.characterization

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-249.characterization

Pulse Sequence: Proton (s2pul)

Solvent: cdcl3

Data collected on: Oct 10 2008

Operator: racowski

VNMR5-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 6399.5 Hz

16 repetitions

OBSERVE H1, 399.9649645 MHz

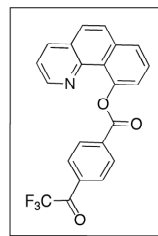
DATA PROCESSING

Line broadening 0.2 Hz

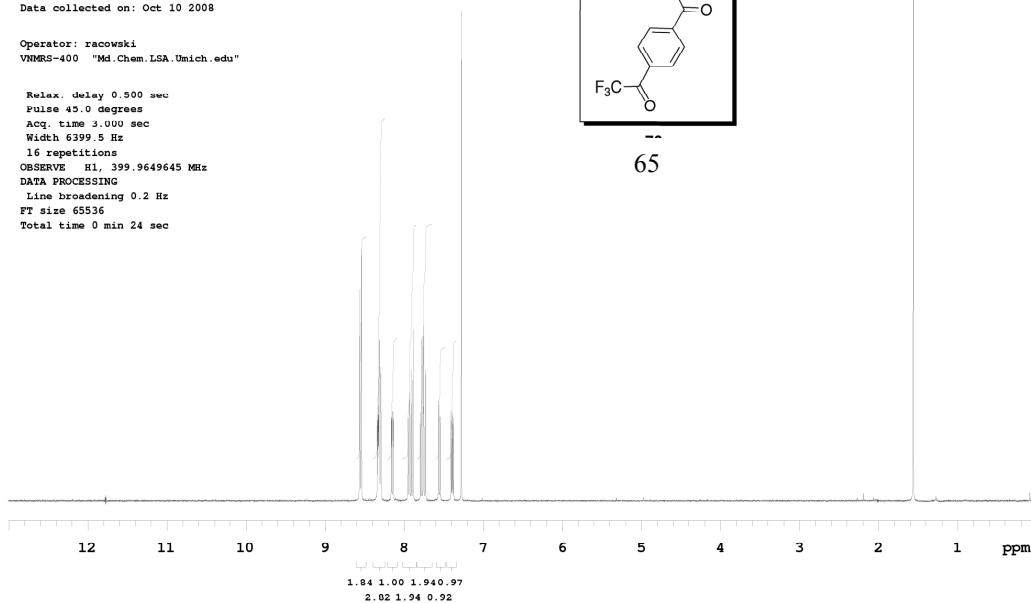
FT size 65536

Total time 0 min 24 sec

VARIAN



65



JMRIV-249.FNMRcharacterization

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-249.FNMRcharacterization

Pulse Sequence: Fluorine (s2pul)

Solvent: cdcl3

Data collected on: Oct 10 2008

Operator: racowski

VNMR5-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.459 sec

Width 75258.7 Hz

16 repetitions

OBSERVE F19, 376.3430798 MHz

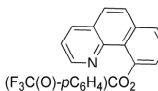
DATA PROCESSING

Line broadening 0.7 Hz

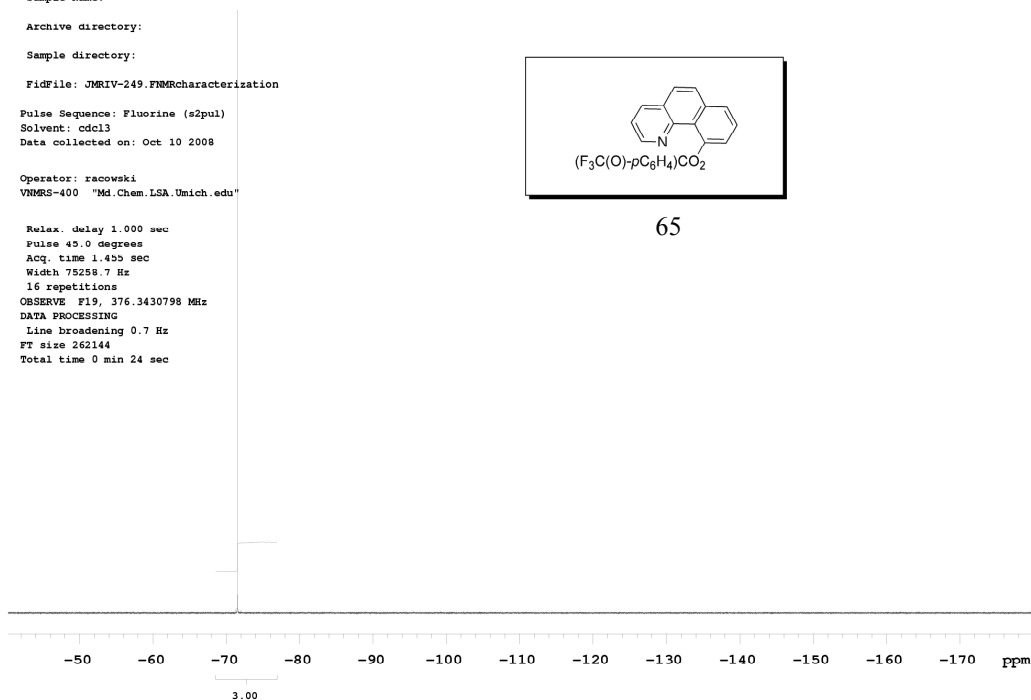
FT size 262144

Total time 0 min 24 sec

VARIAN



65



JMRIV-224.characterization

Sample Name:

Data collected on:

Ga.Chem.LSA.UMich.Edu-vnmrs400

Archive directory:

Sample directory:

FidFile: JMRIV-224.characterization

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 3 2008

Operator: racowski

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.556 sec

Width 6410.3 Hz

16 repetitions

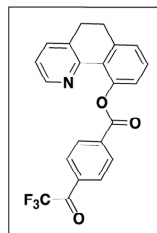
OBSERVE M1, 299.8289242 MHz

DATA PROCESSING

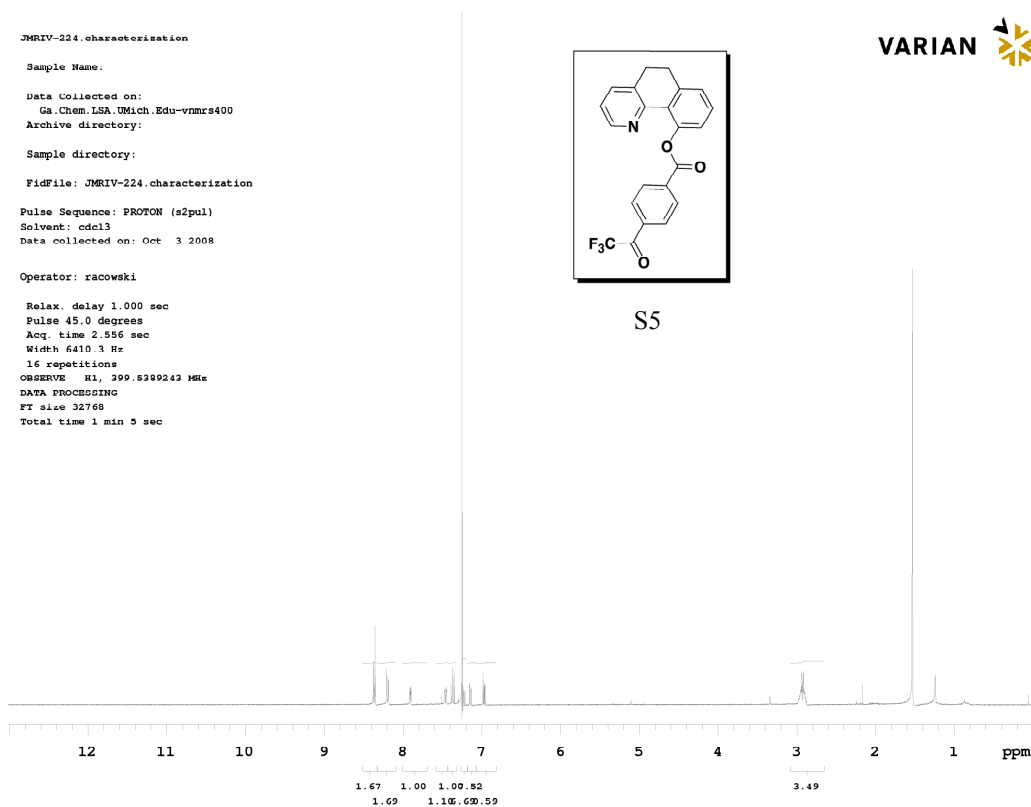
FT size 32768

Total time 1 min 5 sec

VARIAN



S5



JMRIV-224.FNMRcharacterization

Sample Name:

Archive directory:

Sample directory:

FidFile: JMRIV-224.FNMRcharacterization

Pulse Sequence: Fluorine (s2pul)

Solvent: cdcl3

Data collected on: Oct 3 2008

Temp. 25.0 C / 298.1 K

Operator: racowski

VNMR-400 "M1.Chem.LSA.UMich.edu"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.455 sec

Width 75258.7 Hz

16 repetitions

OBSERVE F19, 376.3429722 MHz

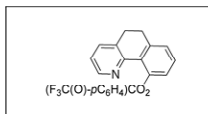
DATA PROCESSING

Line broadening 0.7 Hz

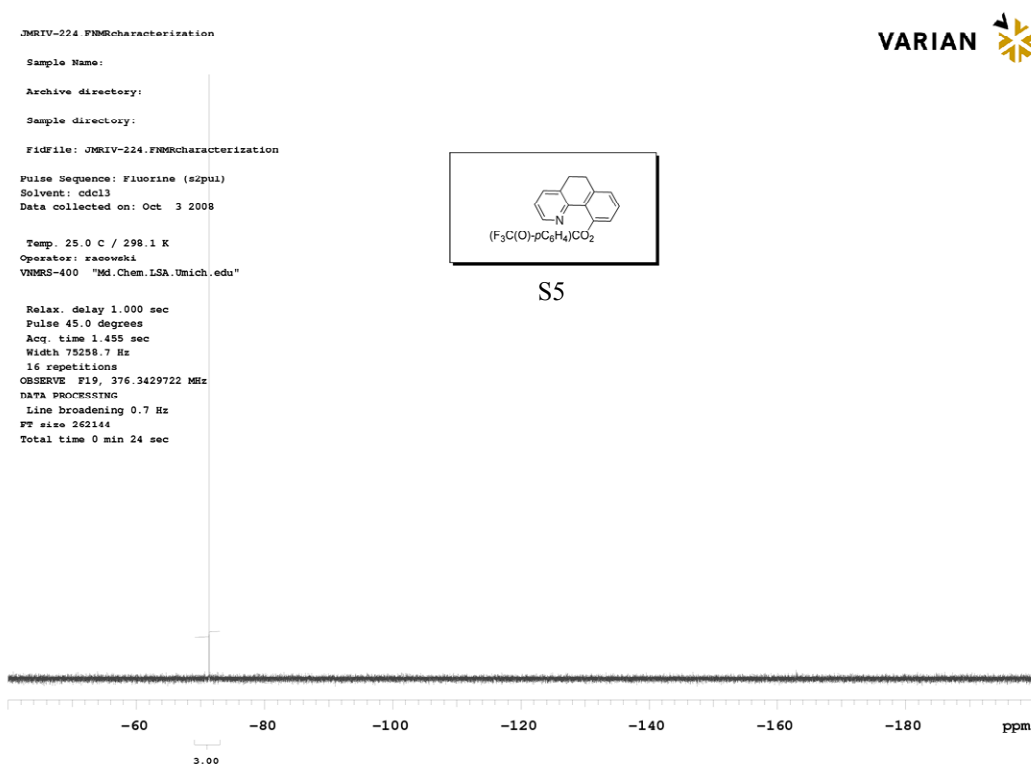
FT size 262144

Total time 0 min 24 sec

VARIAN



S5



S25

JMR11-98.003

Sample Name:

Archive directory:

Sample directory:

FidFile: JMR11-98.003

Pulse Sequence: Proton (s2pul)

Solvent: acetone

Data collected on: Jul 14 2007

Operator: racowski

VNMRS-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 8003.2 Hz

16 repetitions

OBSERVE H1, 499.9068606 MHz

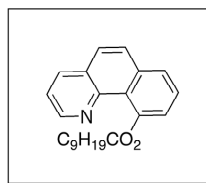
DATA PROCESSING

Line broadening 0.2 Hz

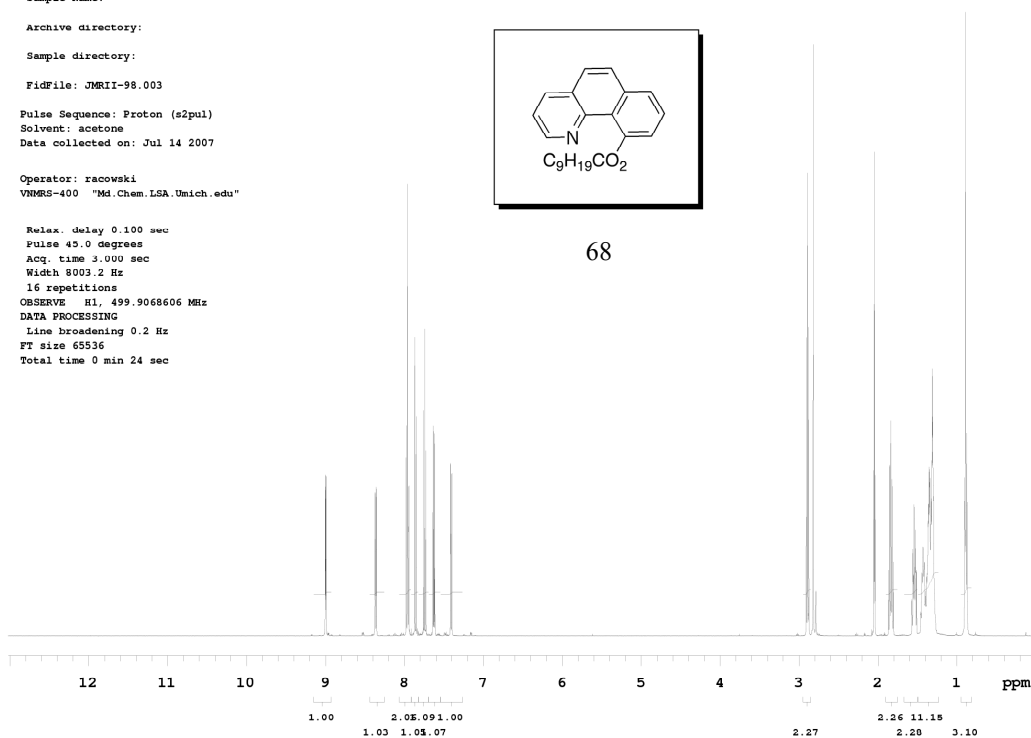
FT size 65536

Total time 0 min 24 sec

VARIAN 



68



JMRIV-206.CNMR

Sample Name:

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

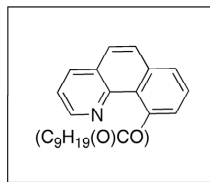
Sample directory:

FidFile: JMRIV-206.CNMR

Pulse Sequence: CARRON (s2pul)
Solvent: cdcl3
Data collected on: Nov 25 2008

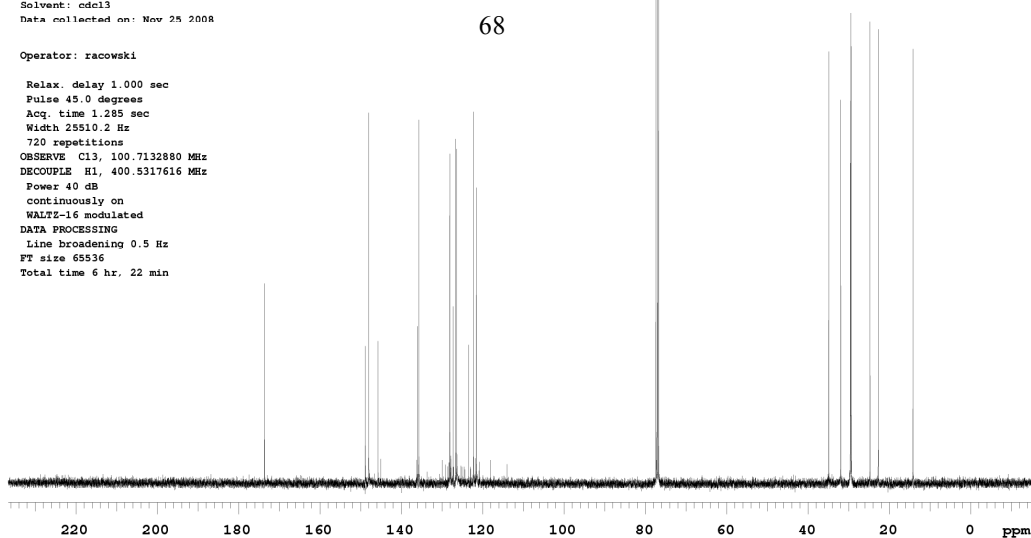
Operator: racowski

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.285 sec
Width 25510.2 Hz
720 repetitions
OBSERVE C13, 100.7132880 MHz
DECOUPLE H1, 400.5317616 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 6 hr, 22 min



VARIAN 

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68



JMR11-191.001

Sample Name:

Archive directory:

Sample directory:

FidFile: JMR11-191.001

Pulse Sequence: Proton (s2pul)

Solvent: acetone

Data collected on: Sep 3 2007

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 6399.5 Hz

16 repetitions

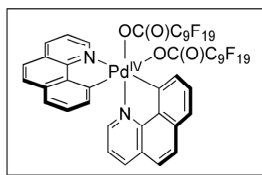
OBSERVE H1, 399.9670319 MHz

DATA PROCESSING

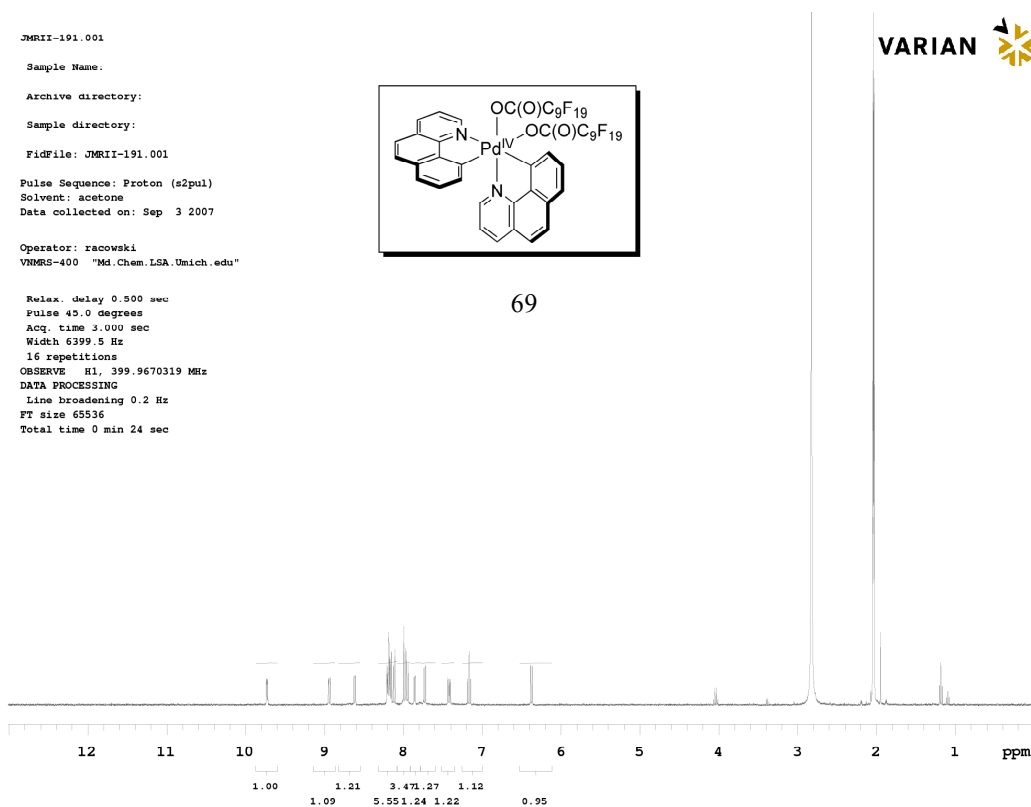
Line broadening 0.2 Hz

FT size 65536

Total time 0 min 24 sec



69



VARIAN

JMR1V-142.FNMRcharacterization

Sample Name:

Archive directory:

Sample directory:

FidFile: JMR1V-142.FNMRcharacterization

Pulse Sequence: Fluorine (s2pul)

Solvent: acetone

Data collected on: Sep 5 2008

Temp. 25.0 C / 298.1 K

Operator: racowski

VNMR-400 "Ml.Chem.LSA.Umich.edu"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.455 sec

Width 75258.7 Hz

32 repetitions

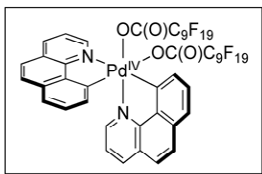
OBSERVE F19, 376.3450595 MHz

DATA PROCESSING

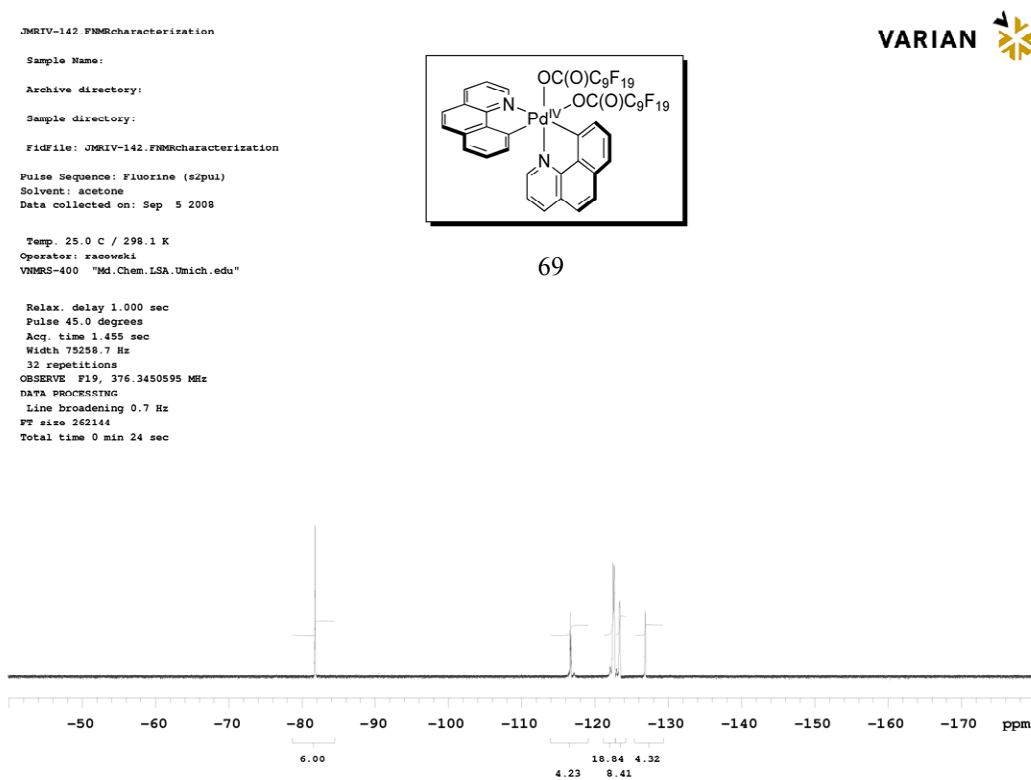
Line broadening 0.7 Hz

FT size 262144

Total time 0 min 24 sec



69



VARIAN

JMRV-268s

Sample Name:

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

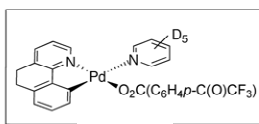
Sample directory:

File: JMRV-268s

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jan 29 2009

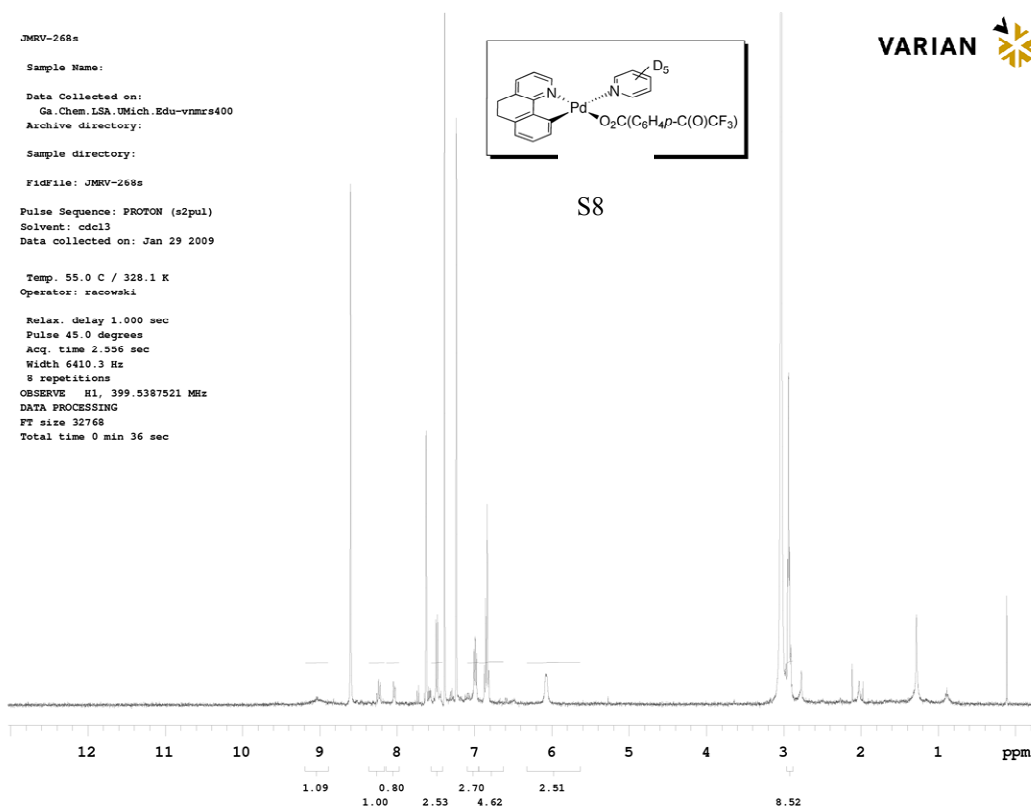
Temp. 55.0 C / 328.1 K
Operator: racowski

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.556 sec
Width 6410.3 Hz
8 repetitions
OBSERVE H1, 399.5387521 MHz
DATA PROCESSING
FT size 32768
Total time 0 min 36 sec



S8

VARIAN 



JMRIV-268FPMR 002

Sample Name:

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

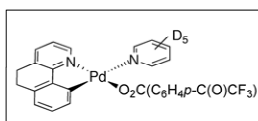
Sample directory:

File: JMRIV-268FPMR.002

Pulse Sequence: FLUORINE (s2pul)
Solvent: cdcl3
Data collected on: Oct 22 2008

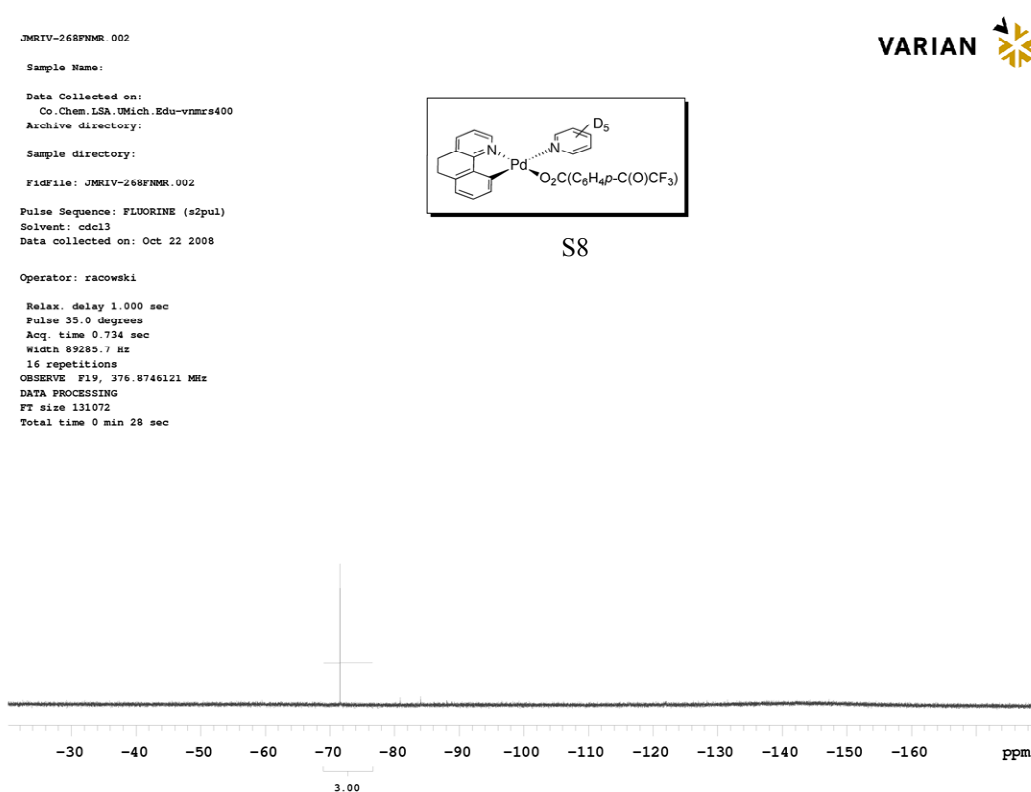
Operator: racowski

Relax. delay 1.000 sec
Pulse 35.0 degrees
Acq. time 0.734 sec
Width 89285.7 Hz
16 repetitions
OBSERVE F19, 376.8746121 MHz
DATA PROCESSING
FT size 131072
Total time 0 min 28 sec



S8

VARIAN 



S30

JMRIV-286F.003

Sample Name:

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

Sample directory:

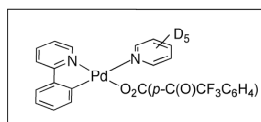
FidFile: JMRIV-286F.003

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Oct 22 2008

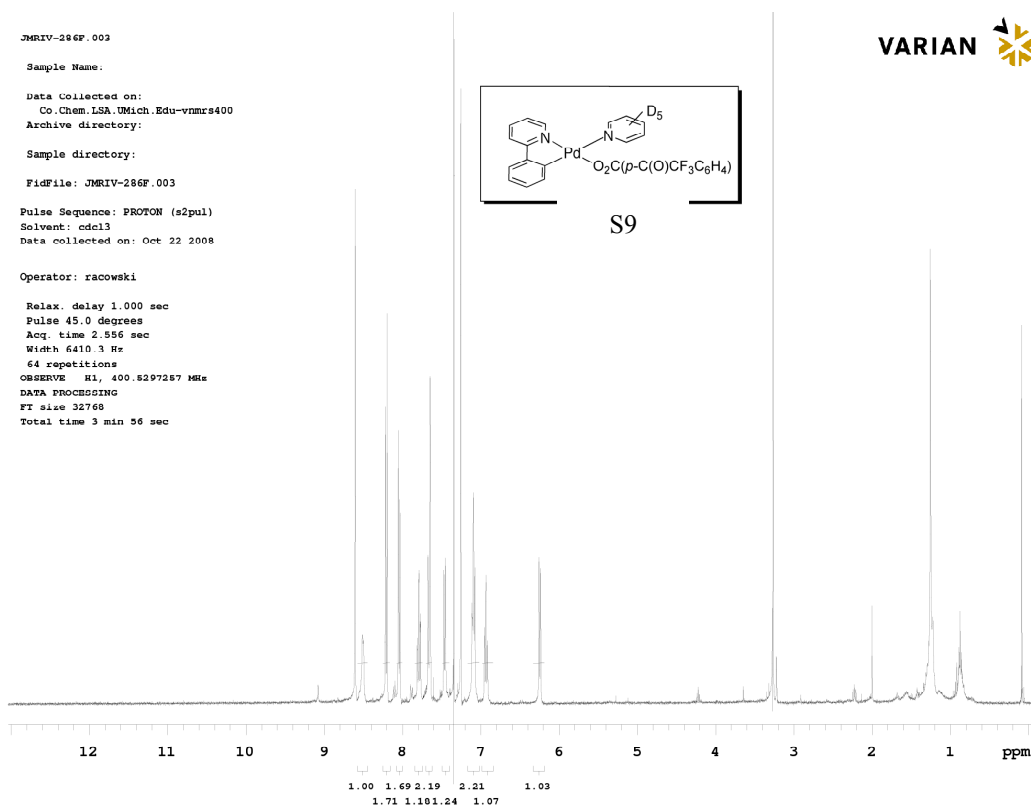
Operator: racowski

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.556 sec
Width 6410.3 Hz
64 repetitions
OBSERVE M1, 400.8297257 MHz
DATA PROCESSING
FT size 32768
Total time 3 min 56 sec

VARIAN



S9



JMRIV-286F.003FMR

Sample Name:

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

Sample directory:

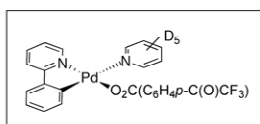
FidFile: JMRIV-286F.003FMR

Pulse Sequence: FLUORINE (s2pul)
Solvent: cdcl3
Data collected on: Oct 22 2008

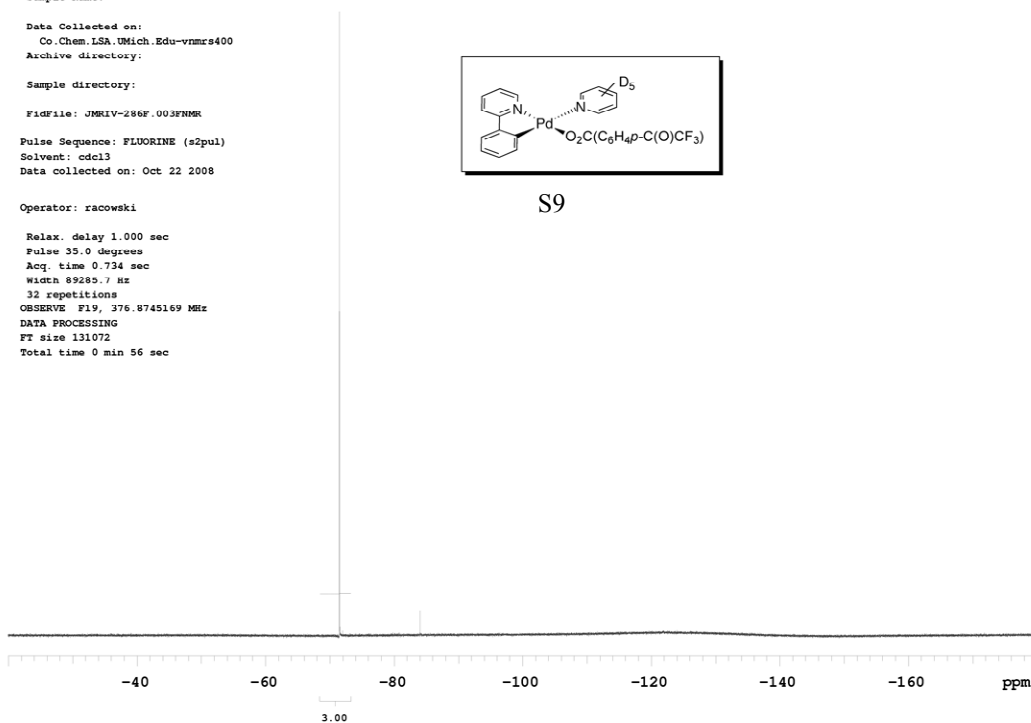
Operator: racowski

Relax. delay 1.000 sec
Pulse 35.0 degrees
Acq. time 0.734 sec
Width 89285.7 Hz
32 repetitions
OBSERVE F19, 376.8745169 MHz
DATA PROCESSING
FT size 131072
Total time 0 min 56 sec

VARIAN



S9



S31

JMRV-174.characterization

Sample Name:

Data Collected on:

Sn-inova500

Archive directory:

Sample directory:

FidFile: JMRV-174.characterization

Pulse Sequence: PROTON (s2pul)

Solvent: dmsc

Data collected on: Mar 18 2009

Operator: racowski

Relax. delay 0.100 sec

Pulse 45.0 degrees

Acq. time 4.097 sec

Width 7998.4 Hz

16 repetitions

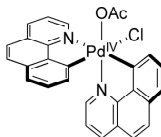
OBSERVE H1, 499.9066201 MHz

DATA PROCESSING

Line broadening 0.2 Hz

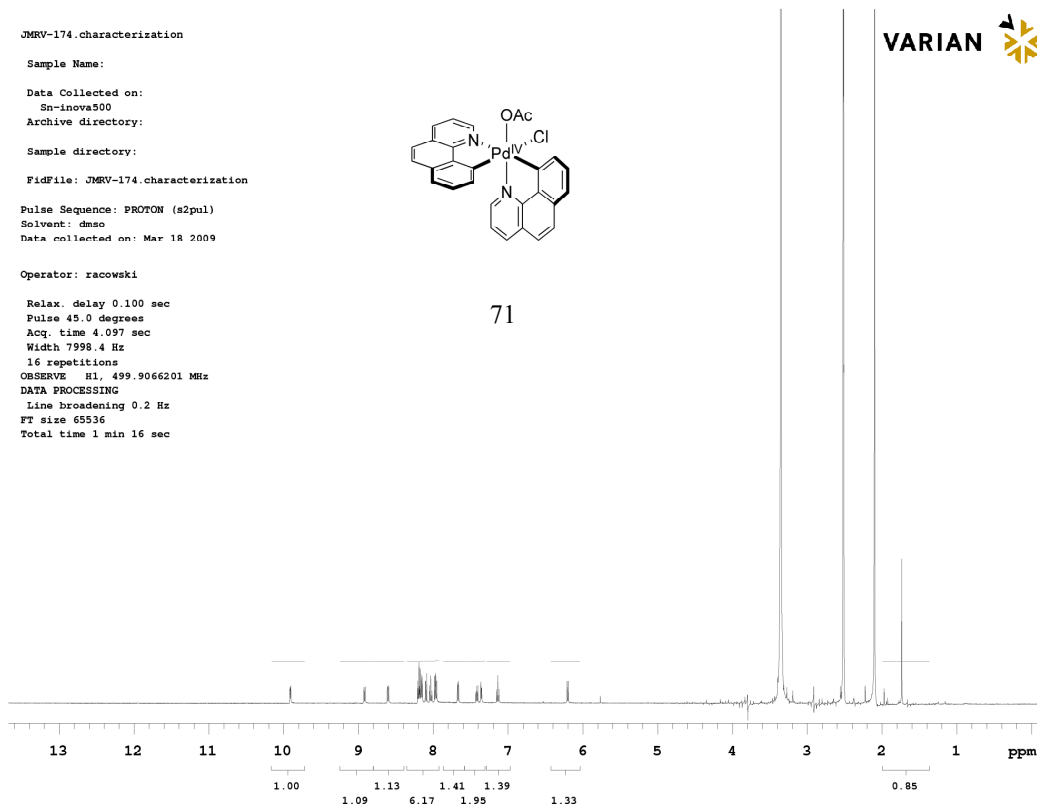
FT size 65536

Total time 1 min 16 sec



71

VARIAN 



JMR111-75.001

Sample Name:

Archive directory:

Sample directory:

FidFile: JMR111-75.001

Pulse Sequence: Proton (s2pul)

Solvent: acetone

Data collected on: Dec 19 2007

Temp. 24.0 C / 297.1 K

Operator: zecowski

VNMRS-500 "Dy"

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 6399.5 Hz

16 repetitions

ORSHRVE H1, 399.9672786 MHz

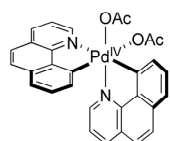
DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 24 sec

VARIAN 



74

