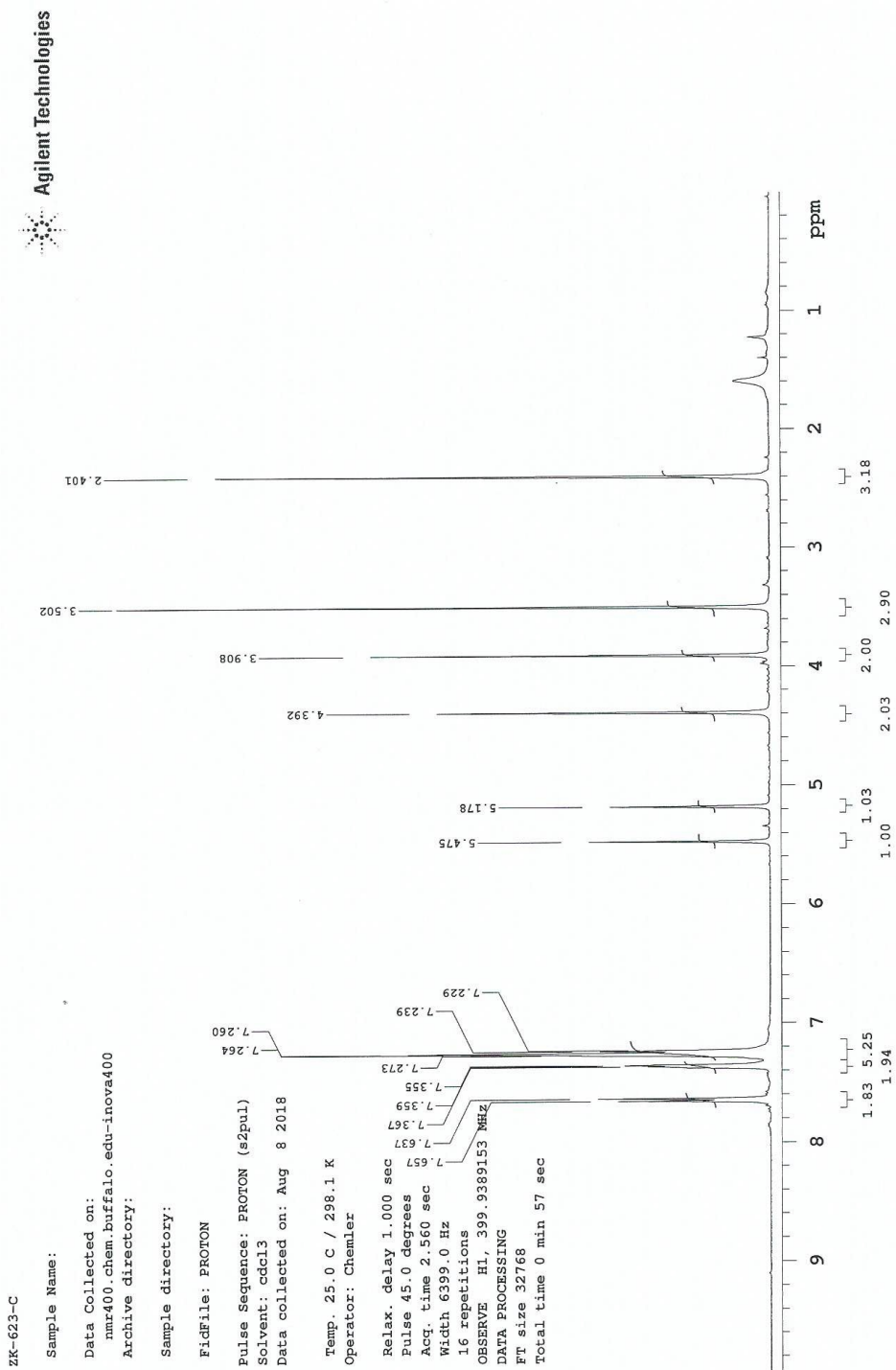
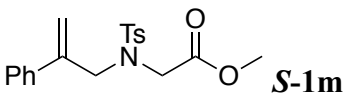




ZK-623-C

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

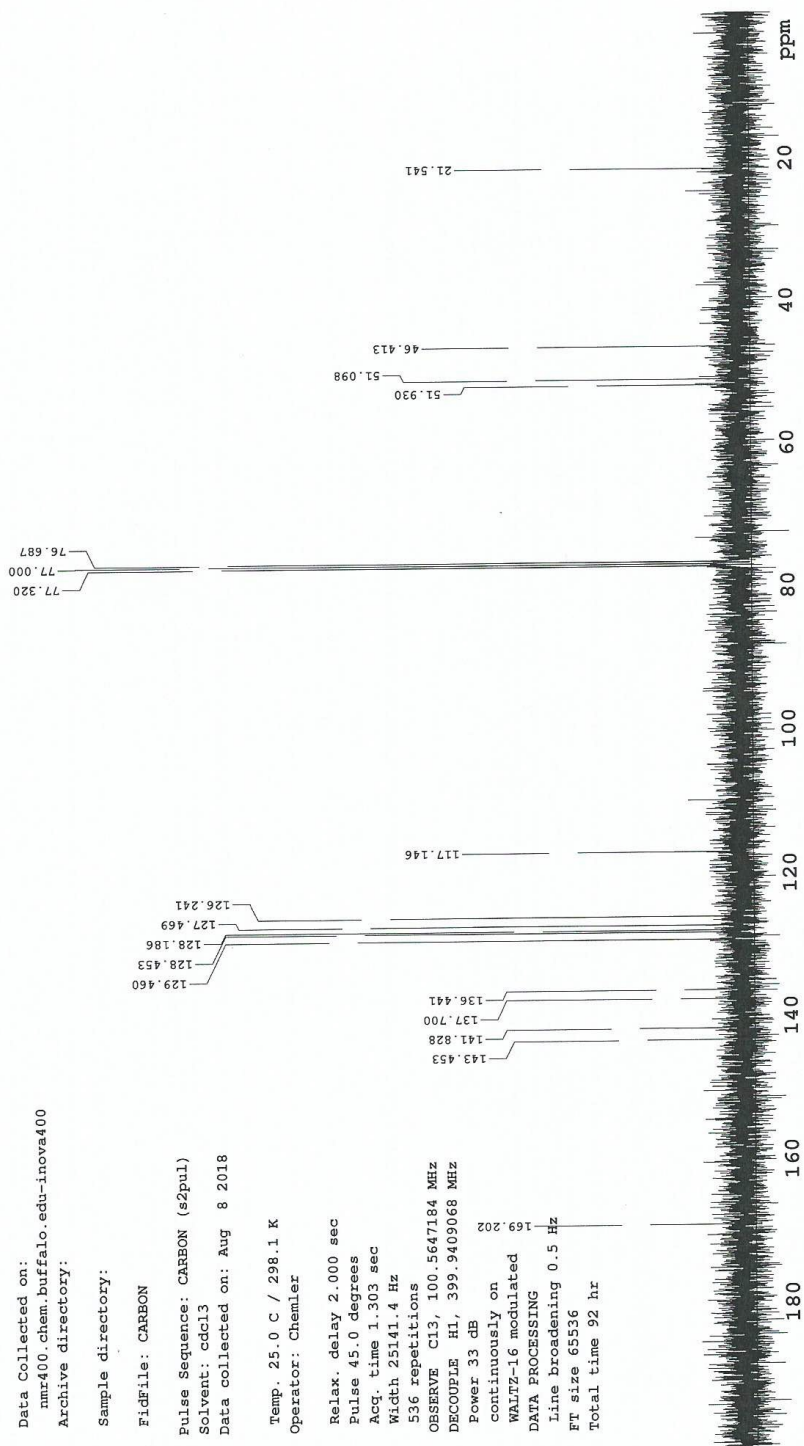
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 8 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
536 repetitions
OBSERVE C13, 100.5647184 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 92 hr



ZK-597-Carbon-chr

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inoxa400
Archive directory:

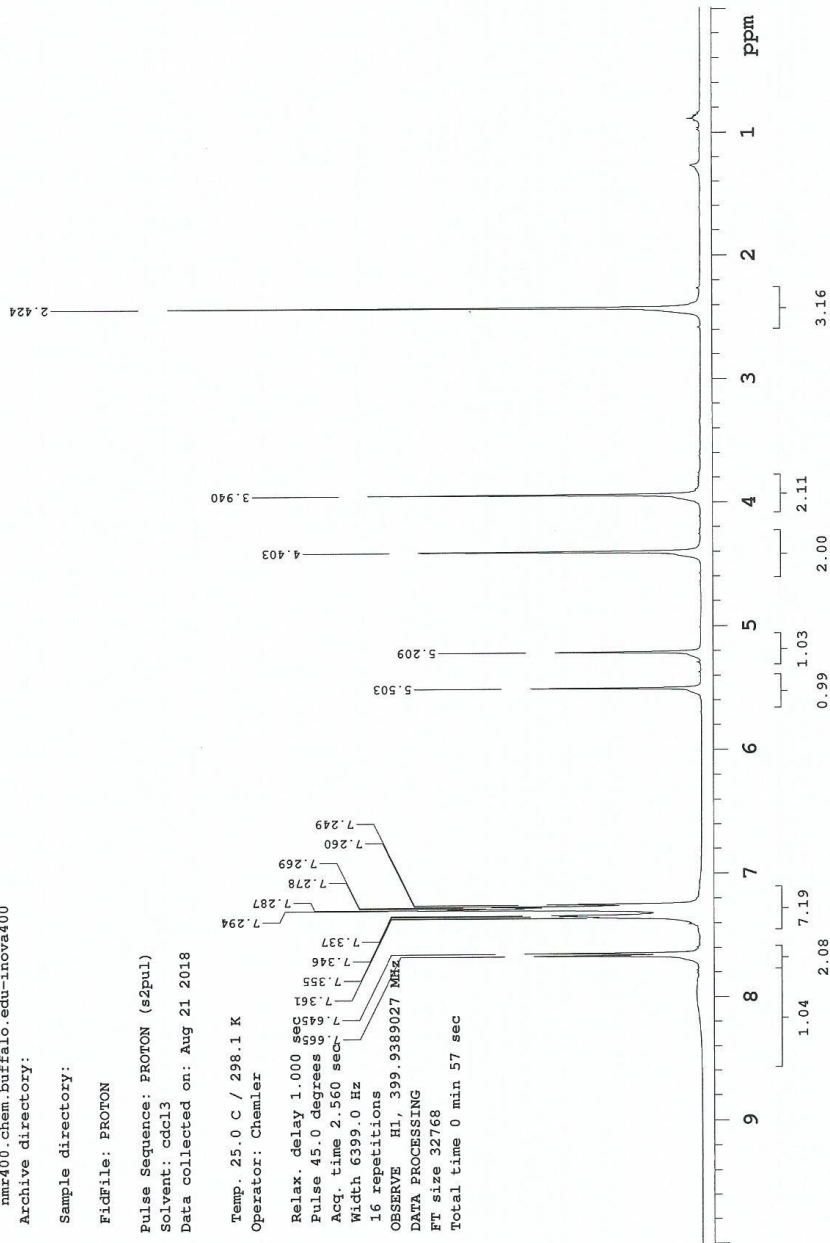
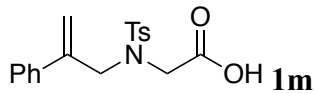
Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Aug 21 2013

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions
OBSERVE H1, 399.9389027 MHz
DATA PROCESSING
FT size 32768
Total time 0 min 57 sec



ZK-597-Carbon-chr

Sample Name:

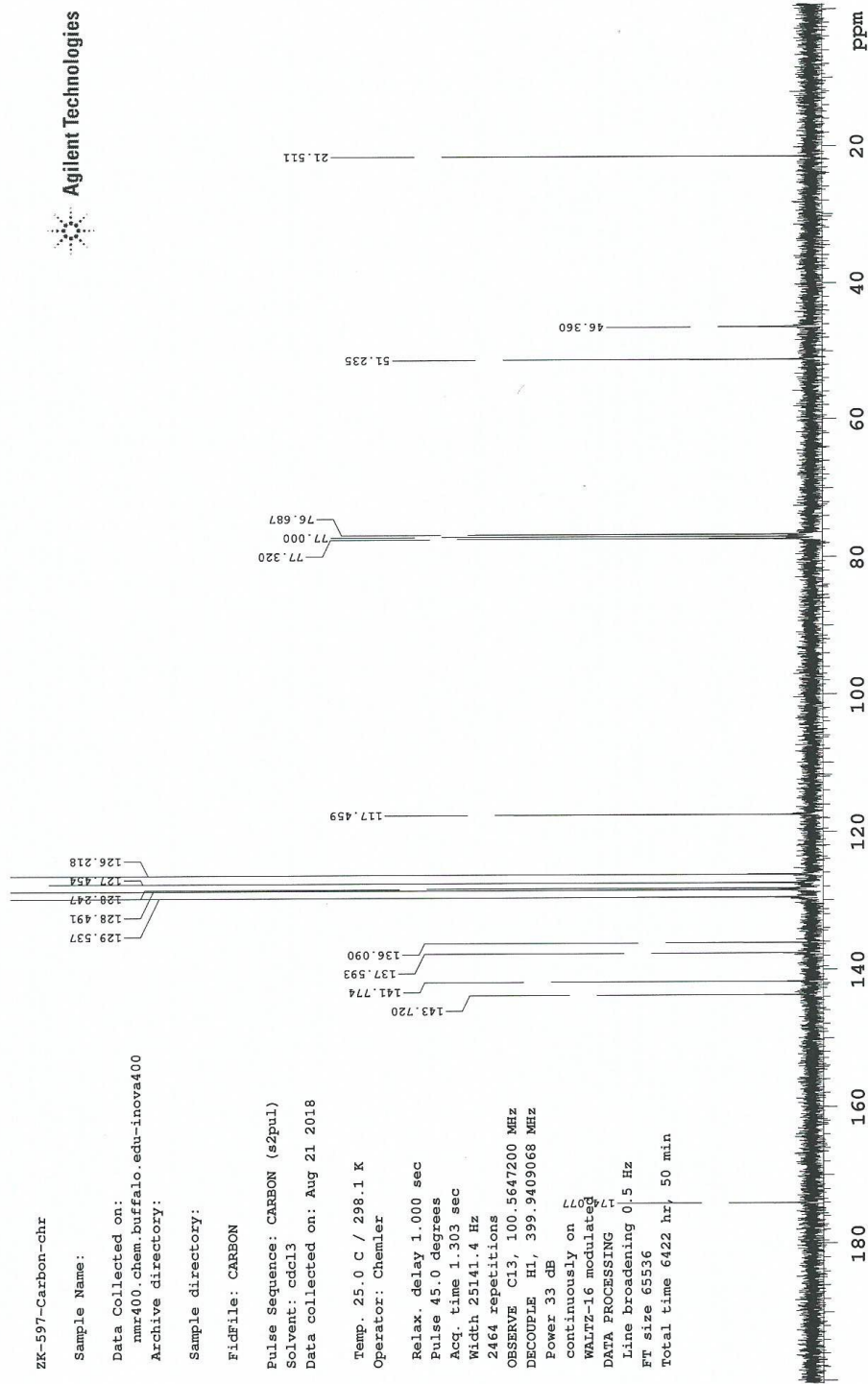
Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

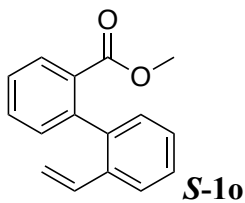
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 21 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
2464 repetitions
OBSERVE C13, 100.5647200 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulation
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 6422 hr, 50 min





Agilent Technologies

unknown

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl_3

Data collected on: Sep 25 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 5399; 9642; 9610; 562

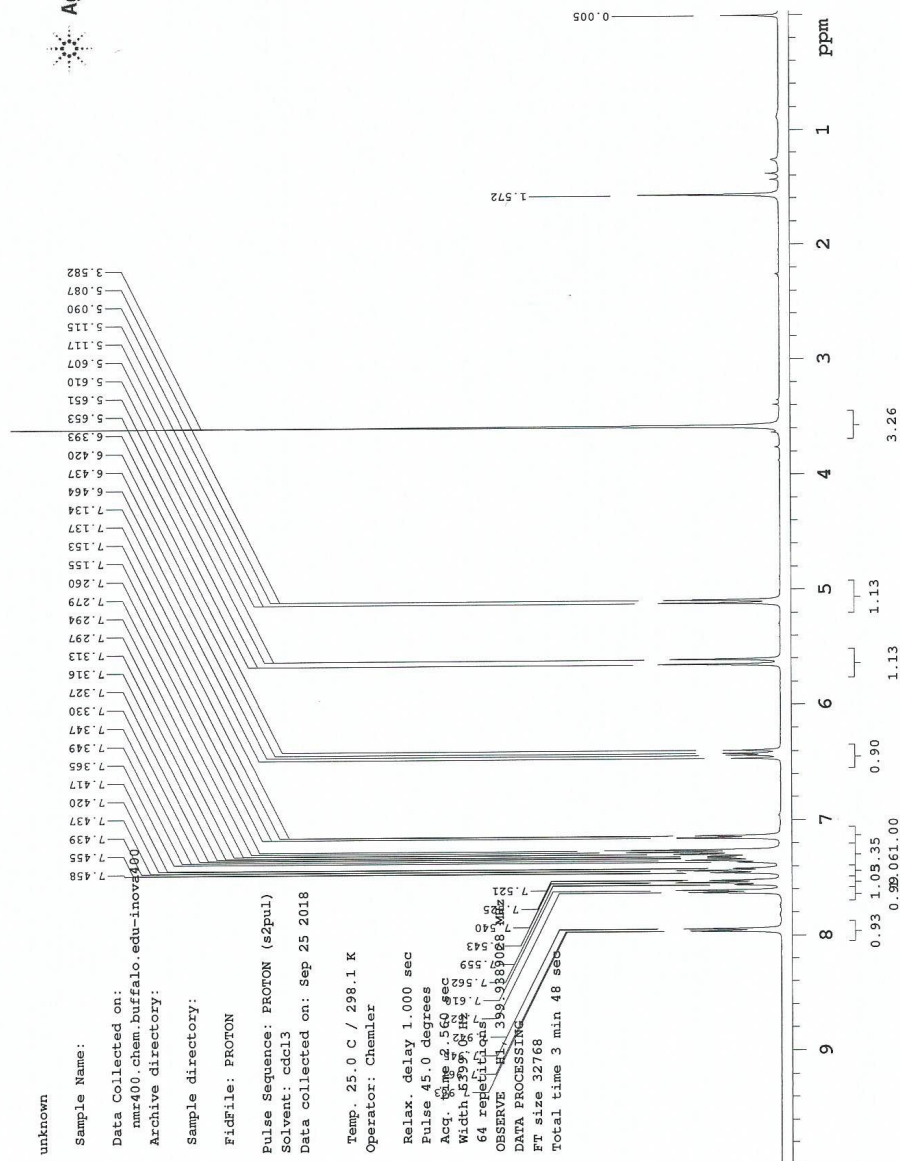
64 repetitions, 7.5%

04	reflectors	399	938
OBSERVE	H1	399	938

OBSEKVE
DATA PROCESSING
HL 399:968

DATA PROCESSING
PM 4:50 32768

FT size 32768



unknown

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Sep 25 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz

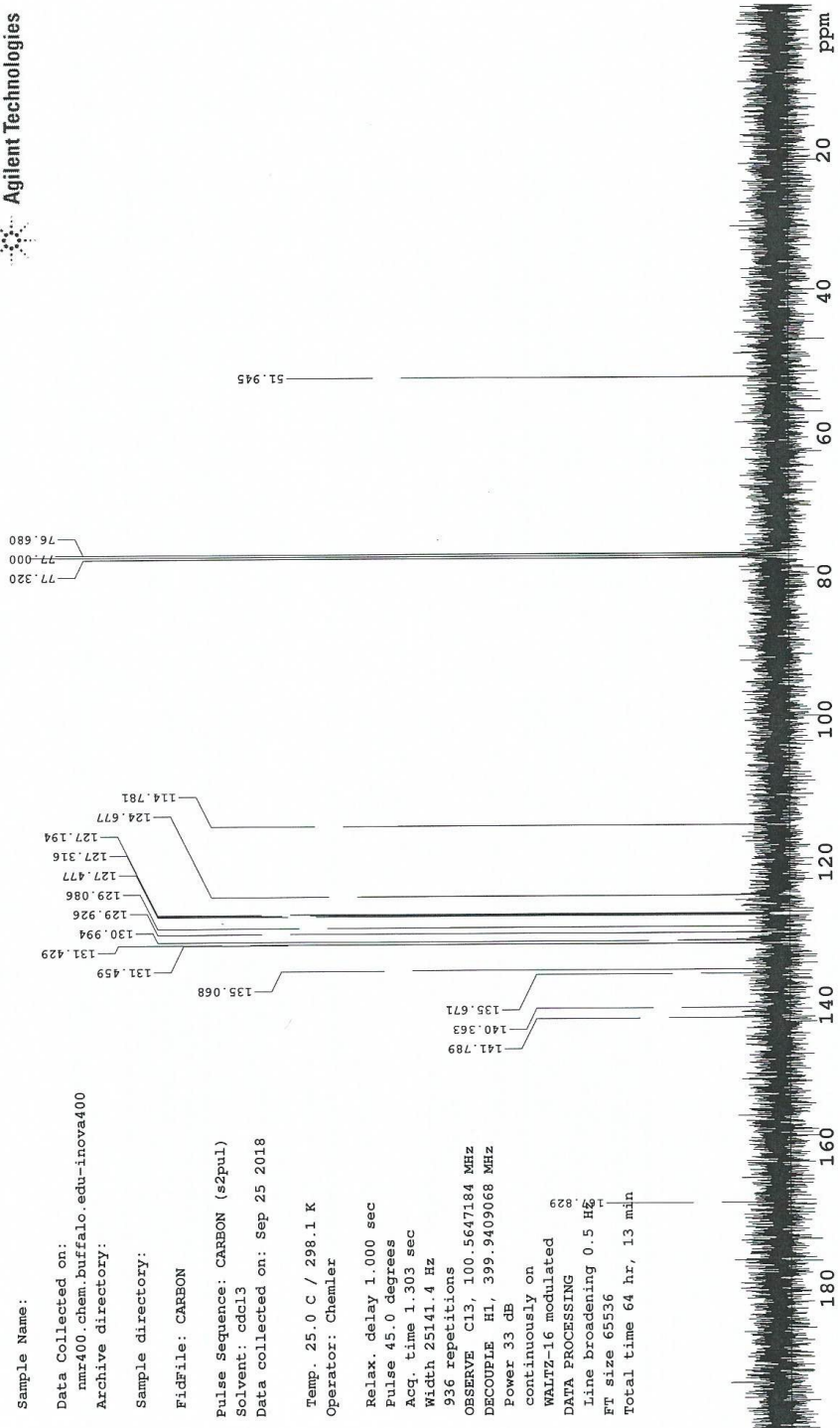
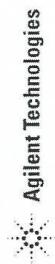
936 repetitions
OBSERVE C13, 100.5647184 MHz
DECOUPLE H1, 399.9409068 MHz

Power 33 dB
continuously on

WALTZ-16 modulated
DATA PROCESSING

Line broadening 0.5 Hz
FT size 65536

Total time 64 hr, 13 min



unknown

Sample Name:

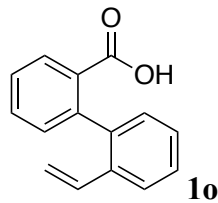
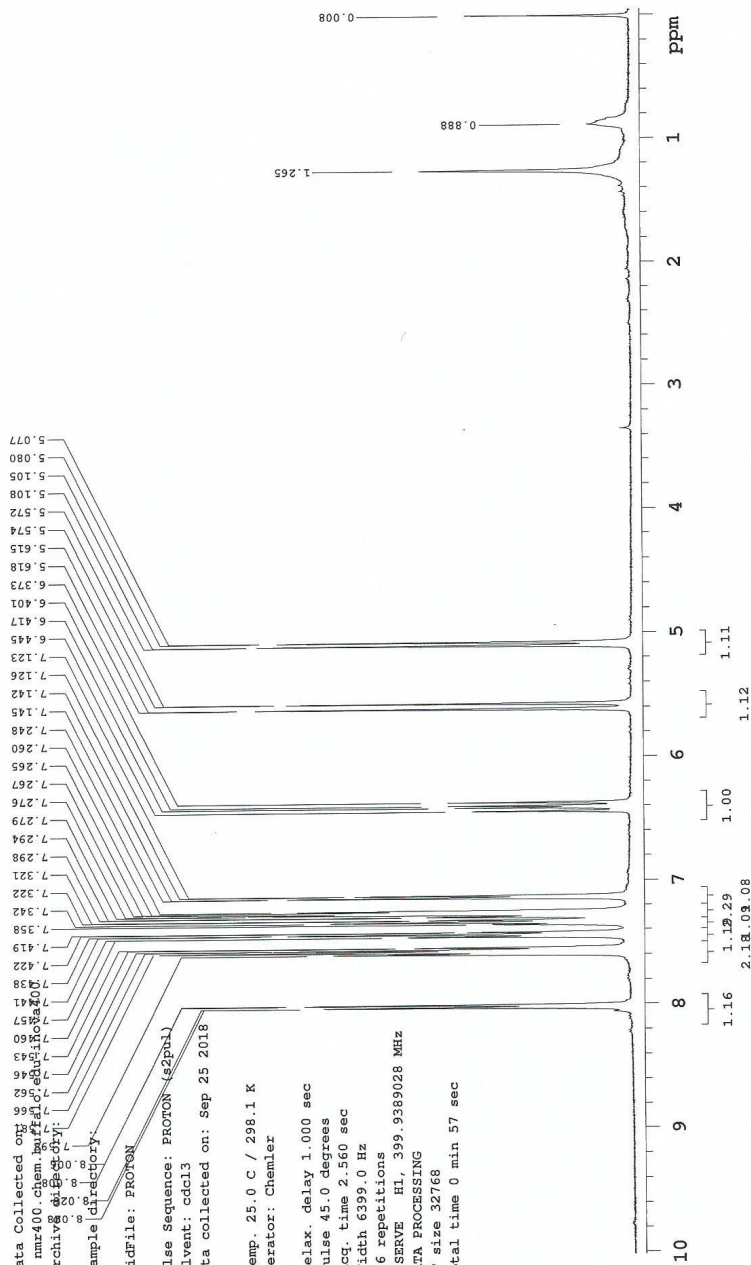
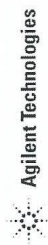
Data Collected on: 09/25/2018
nmr400.chem.buffered.cdcl3
Archive directory: 09/25/2018
Sample directory: 09/25/2018

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Sep 25 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions
OBSERVE H1, 399.9389028 MHz
DATA PROCESSING
FT size 32768
Total time 0 min 57 sec



JE_2_33_B

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: c6d6

Data collected on: Sep 25 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.303 sec

Width 25141.4 Hz

1696 repetitions

OBSERVE C13, 100.5647133 MHz

DECOUPLE H1, 399.9409428 MHz

Power 33 dB

continuously on

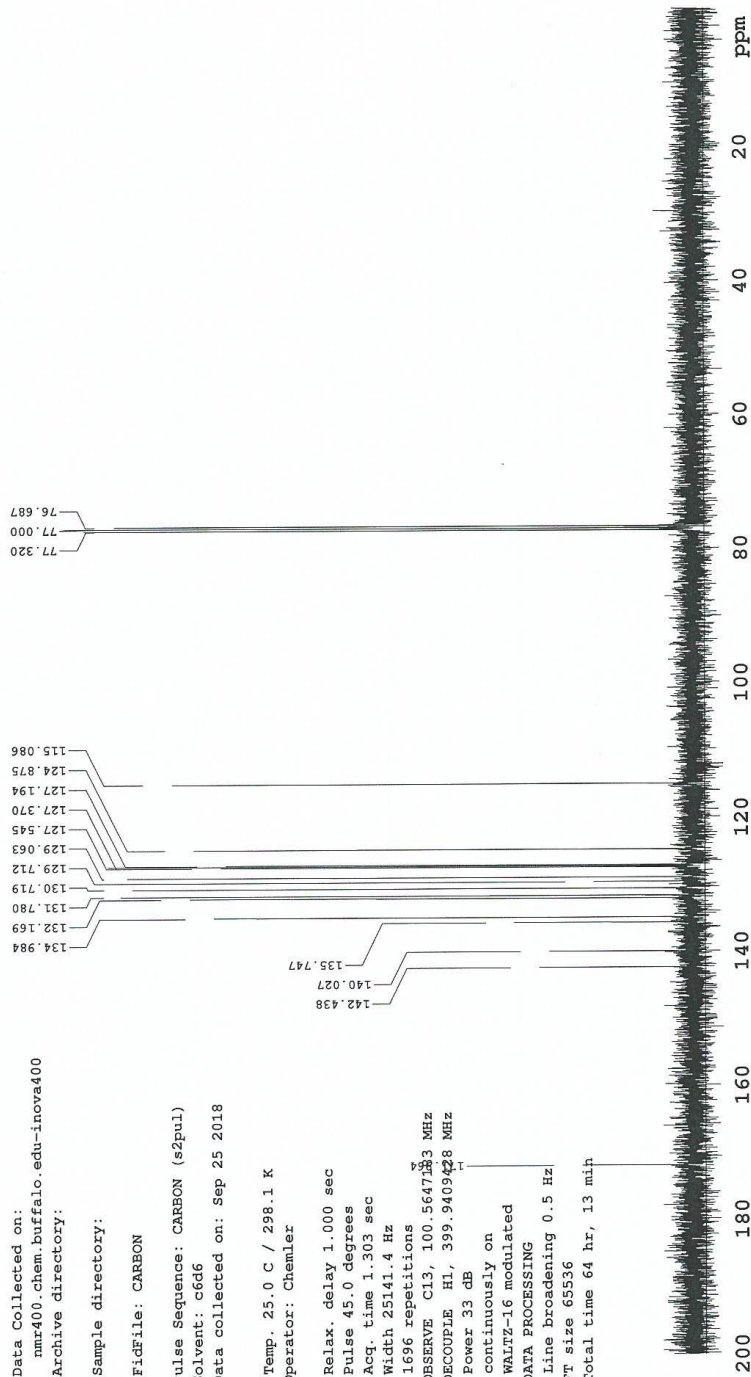
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 64 hr, 13 min



cdk-b2-r512-spot1

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 12 2018

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

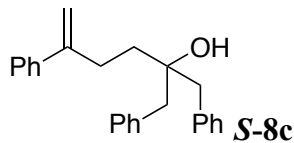
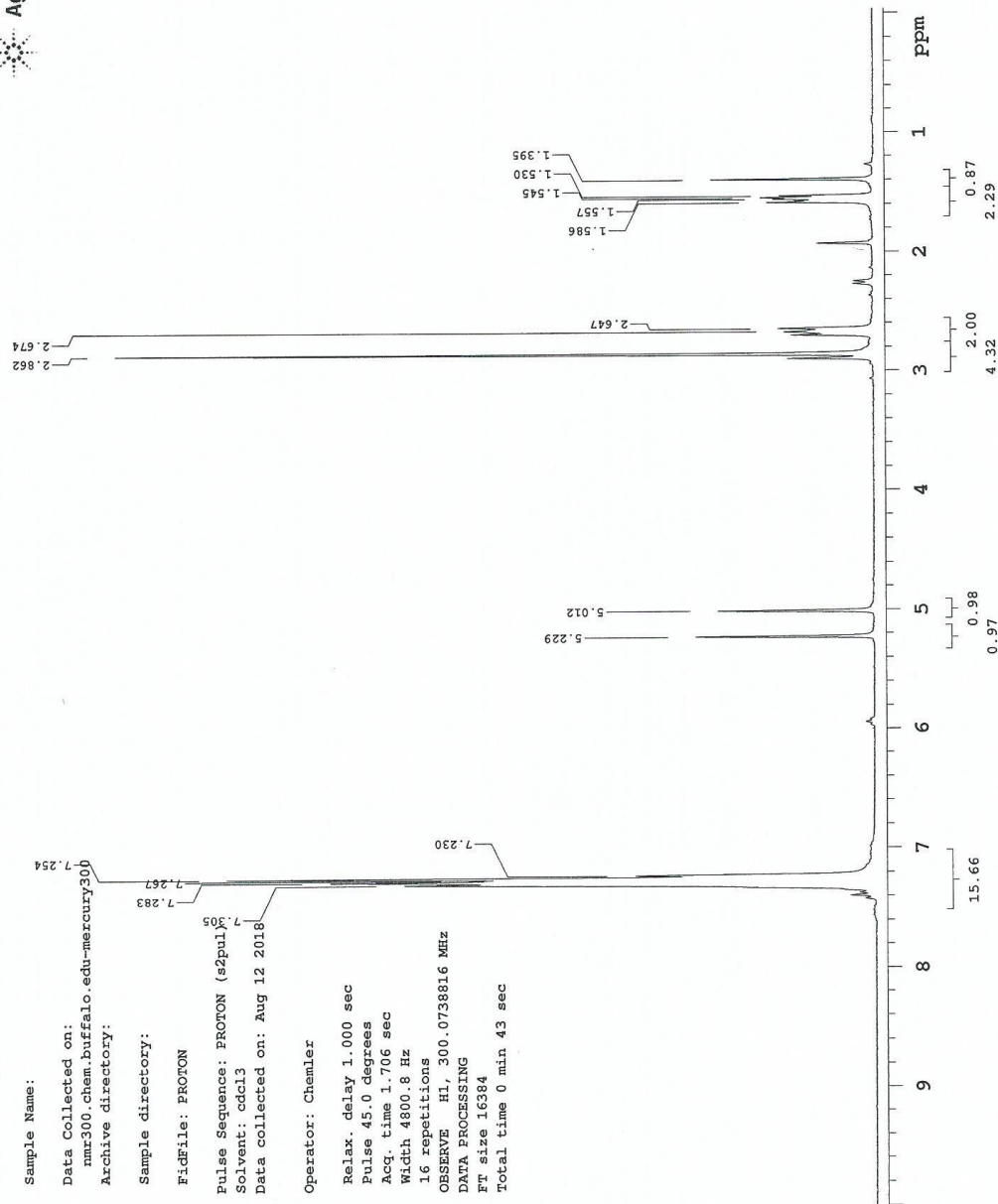
16 repetitions

OBSERVE H1, 300.0738816 MHz

DATA PROCESSING

Ft size 16384

Total time 0 min 43 sec



cdk-b2-s512-spot1

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Aug 12 2018

Operator: Chemler

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 0.868 sec

Width 18867.9 Hz

208 repetitions

OBSERVE C13, 75.4536389 MHz

DECOUPLE H1, 300.0754430 MHz

Power 37 dB

continuously on

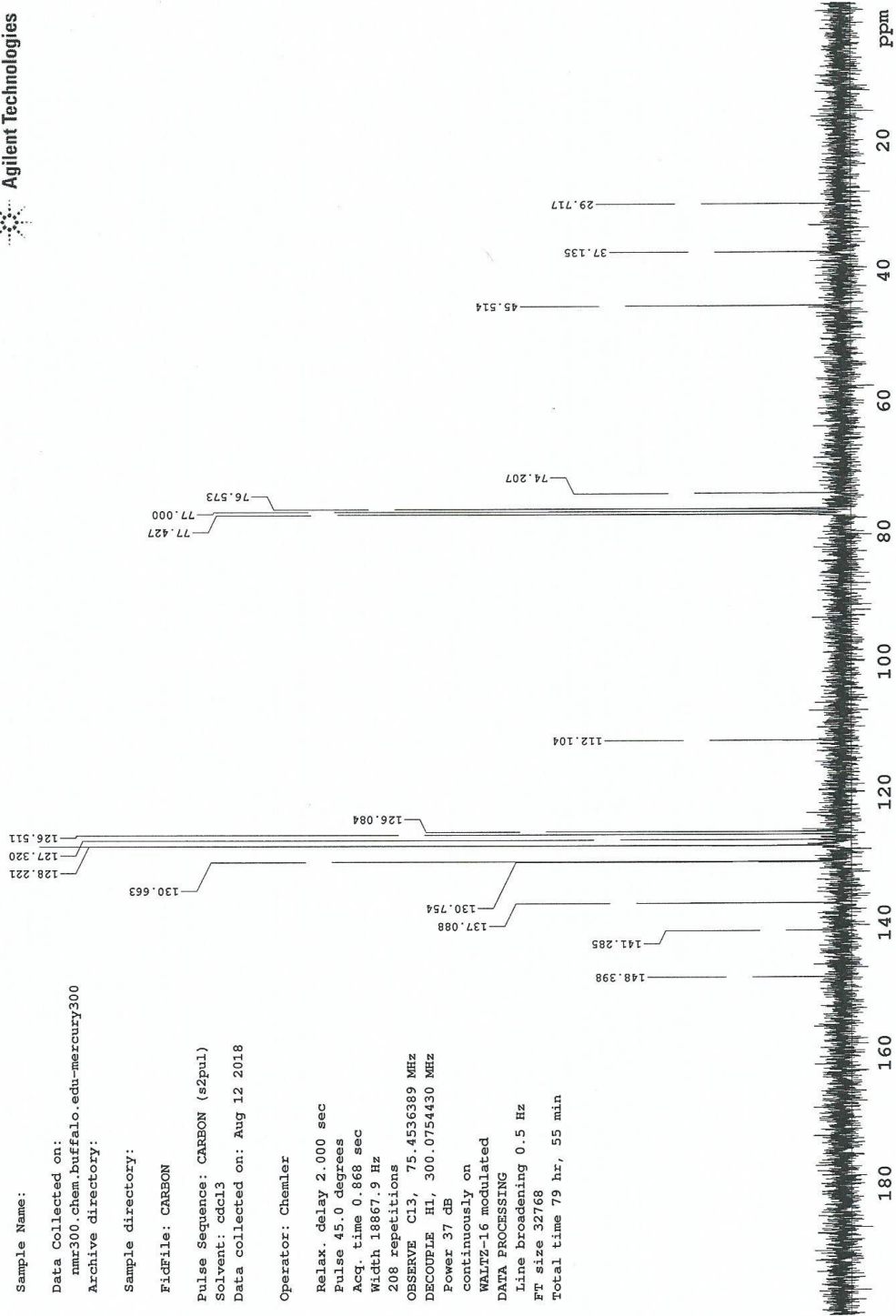
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 32768

Total time 79 hr, 55 min



II-232 - prep TLC 4

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

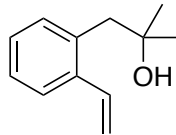
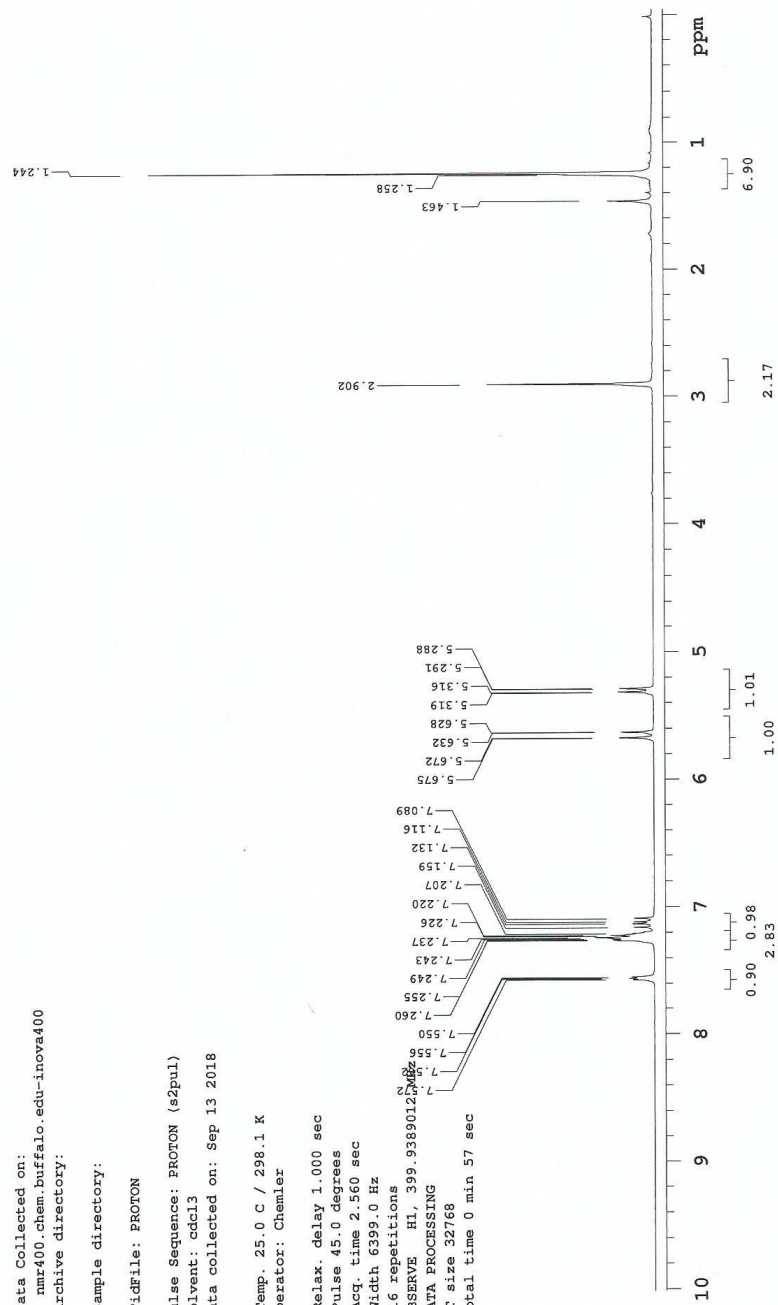
Sample directory:

File: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Sep 13 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions
OBSERVE H1, 399.9389012 MHz
DATA PROCESSING
Ft size 32768
Total time 0 min 57 sec



S-10b

II-232 - prep TLC 4

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

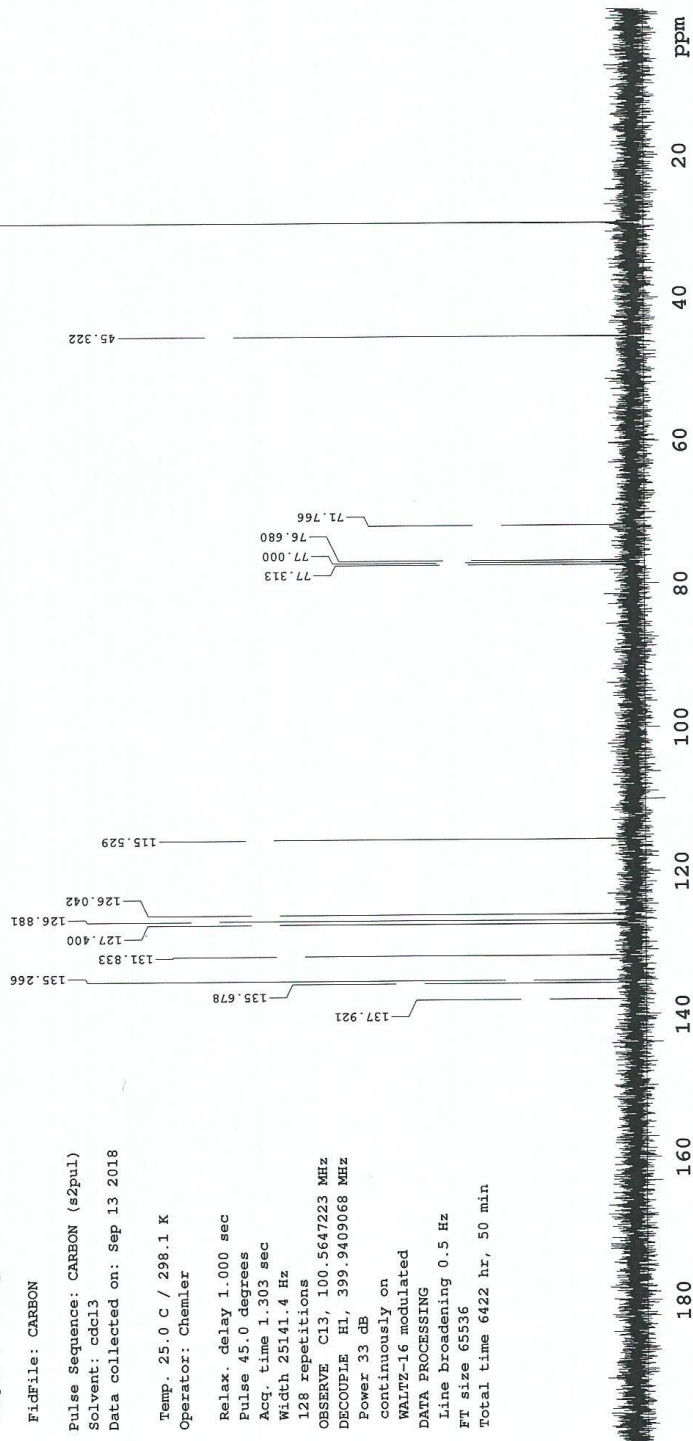
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Sep 13 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
128 repetitions
OBSERVE C13, 100.5647223 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 6422 hr, 50 min

Agilent Technologies



RC17-B1-P1-CHARACTERIZATION

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

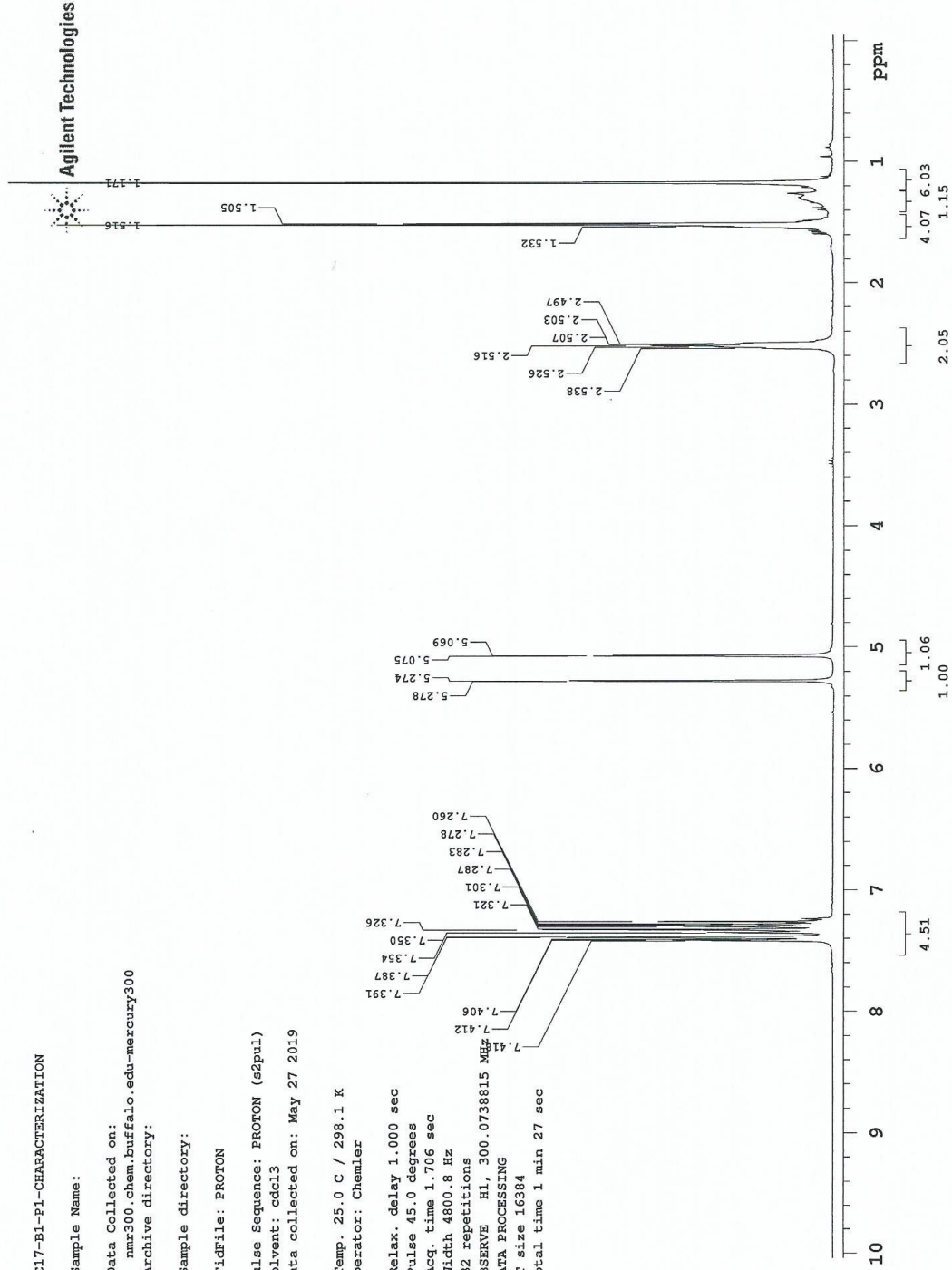
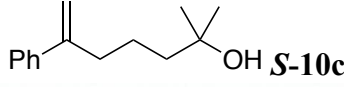
Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: May 27 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.706 sec
Width 4800.8 Hz
32 repetitions
OBSERVE H1, 300.0738815 MHz
DATA PROCESSING
Ft size 16384
Total time 1 min 27 sec



RC17-B1-P1-CHARACTERIZATION

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

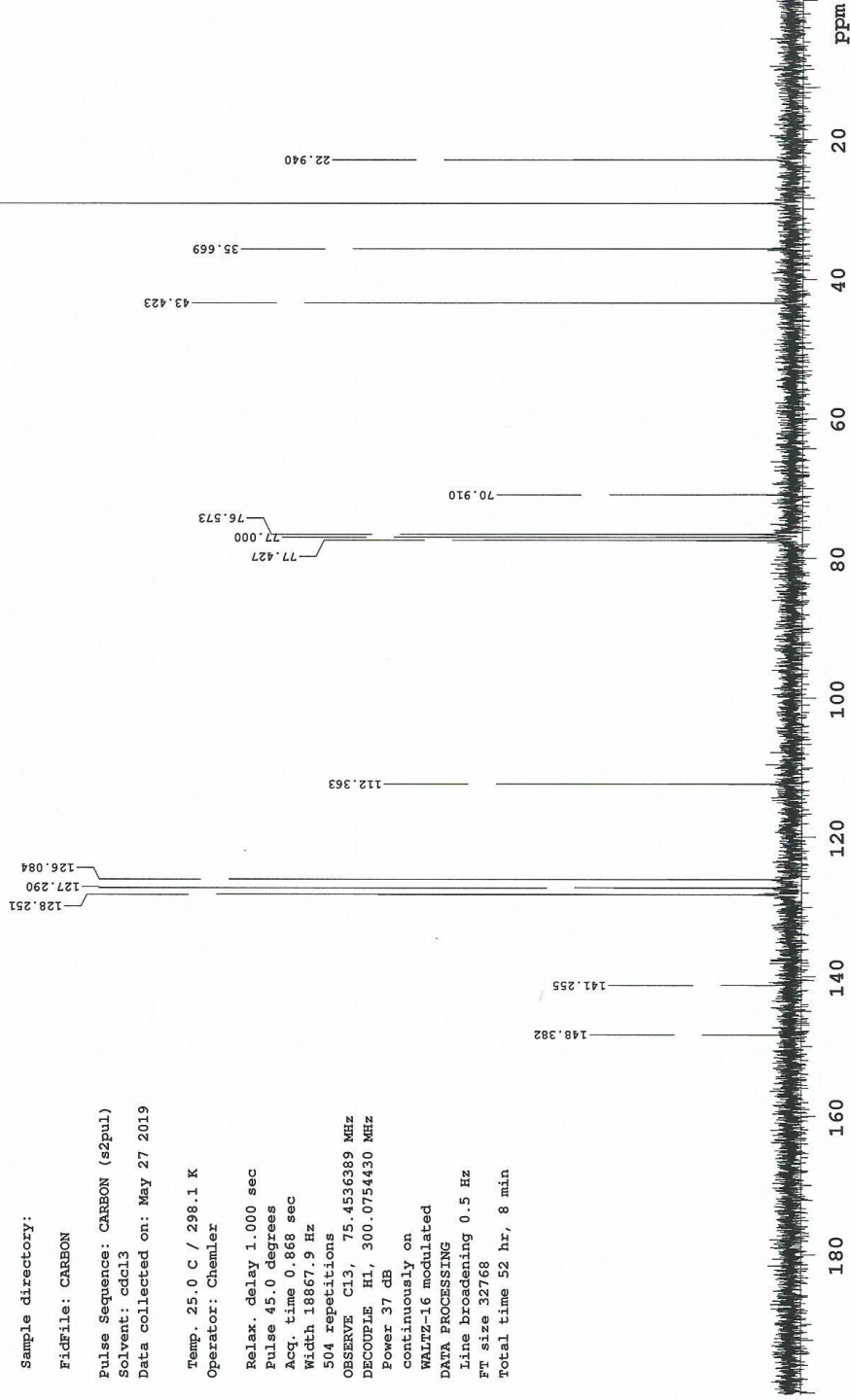
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: May 27 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
504 repetitions
OBSERVE C13, 75.4536389 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 52 hr, 8 min



SG_E2_P128_Crude

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Feb 28 2013

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

16 repetitions

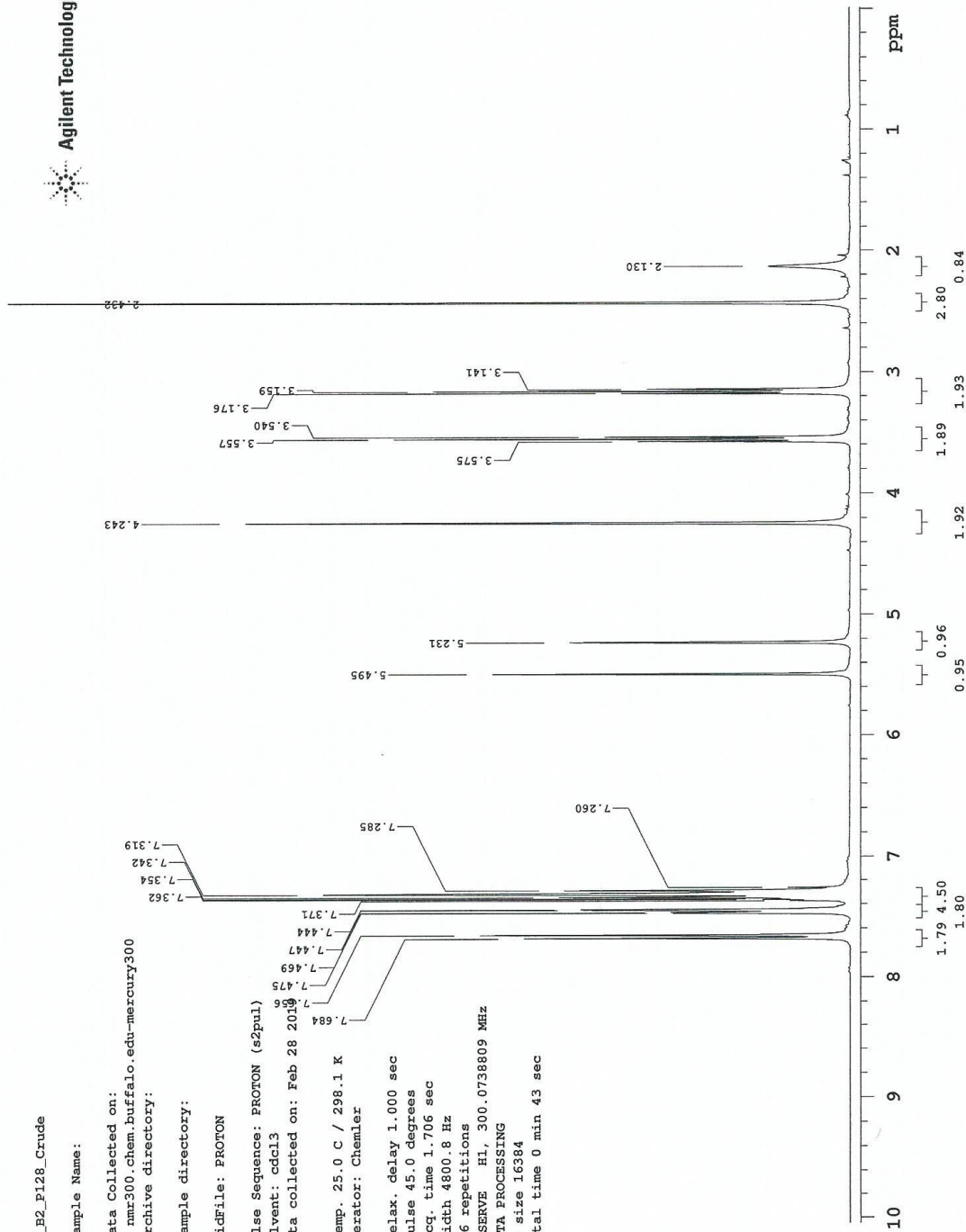
OBSERVE H1, 300.073809 MHz

DATA PROCESSING

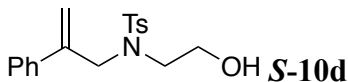
FT size 16384

Total time 0 min 43 sec

Agilent Technologies



615



SG_B2_F128_Crude



Sample Name:
Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

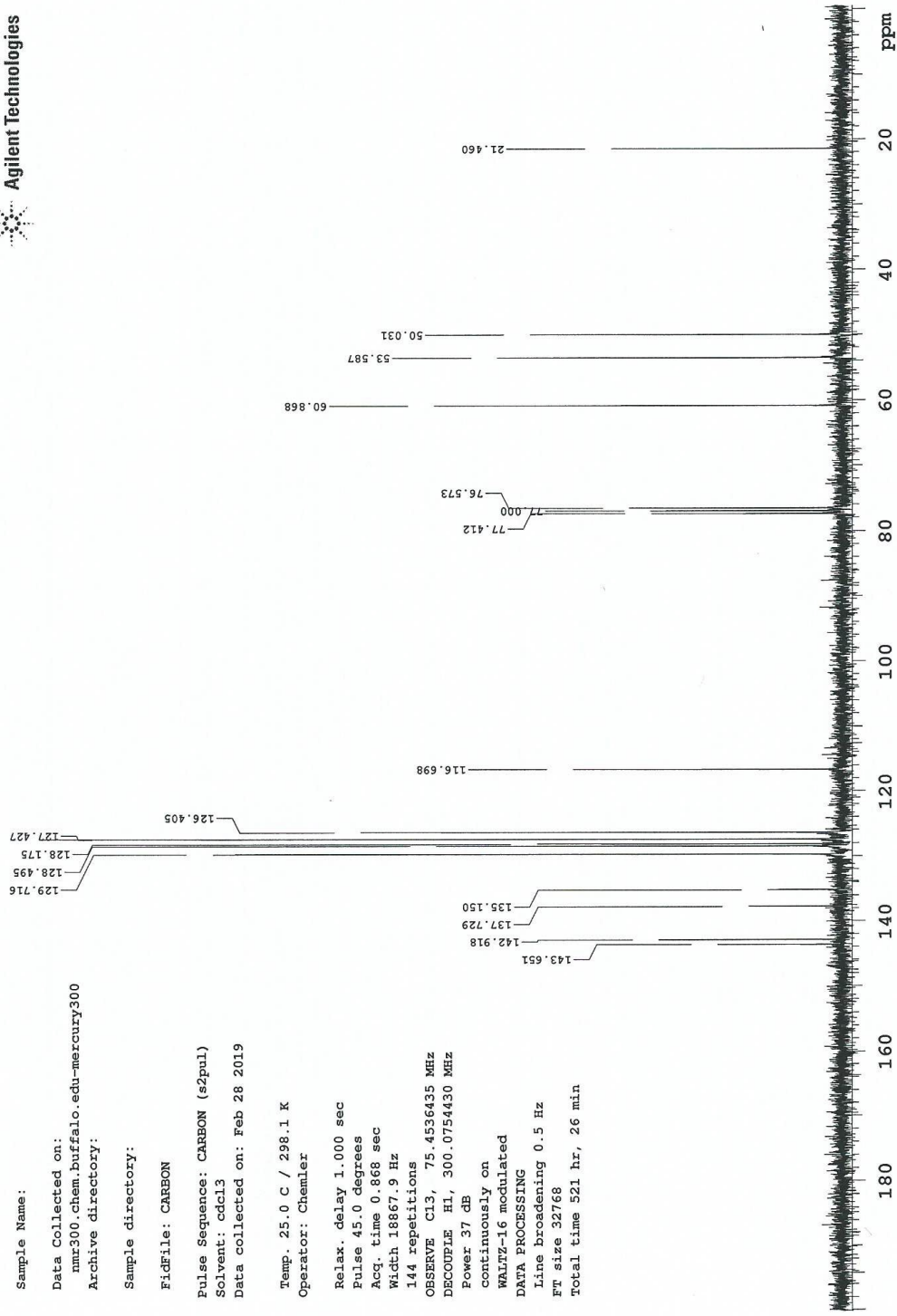
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 28 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
144 repetitions
OBSERVE C13, 75.4536435 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 521 hr, 26 min



ASB-propanediolsub-carbon

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

File: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 28 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

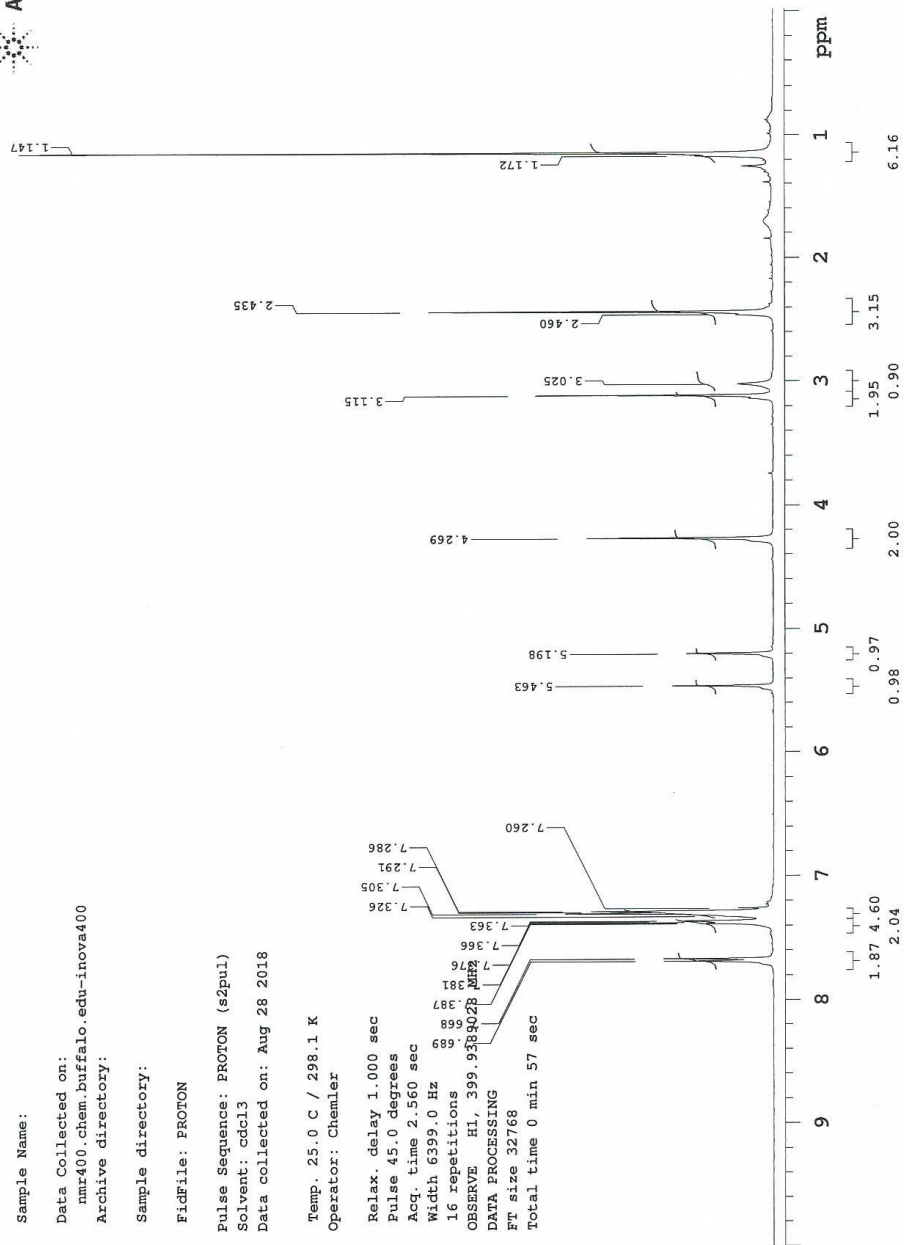
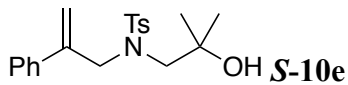
16 repetitions

OBSERVE H1, 399.958028 MHz

DATA PROCESSING

Ft size 32768

Total time 0 min 57 sec



ASB-propanediolsub-carbon

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

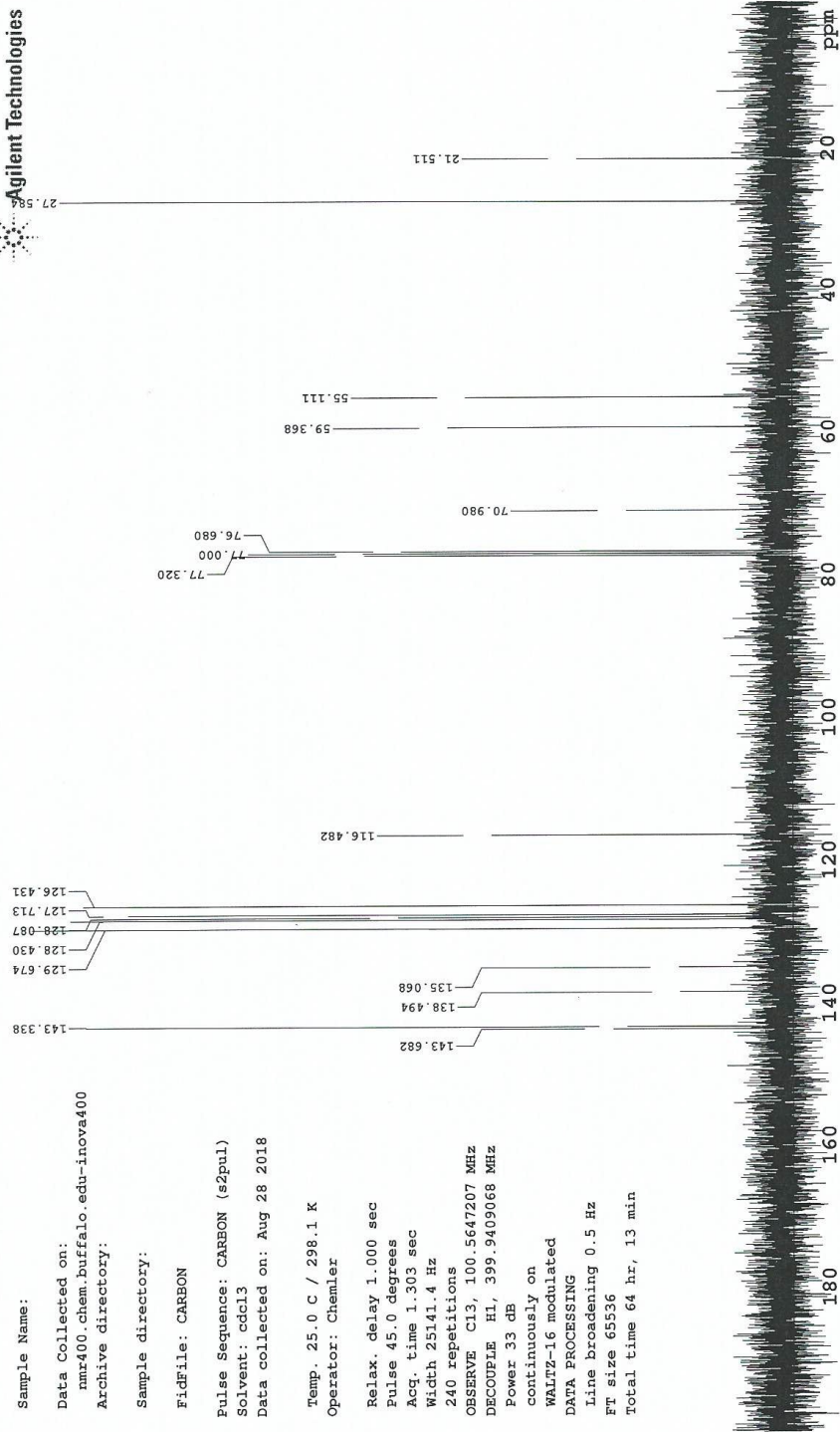
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 28 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
240 repetitions

OBSERVE C13, 100.5647207 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on

WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 64 hr, 13 min



SB_157_crude_orangebrown

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

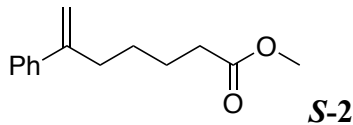
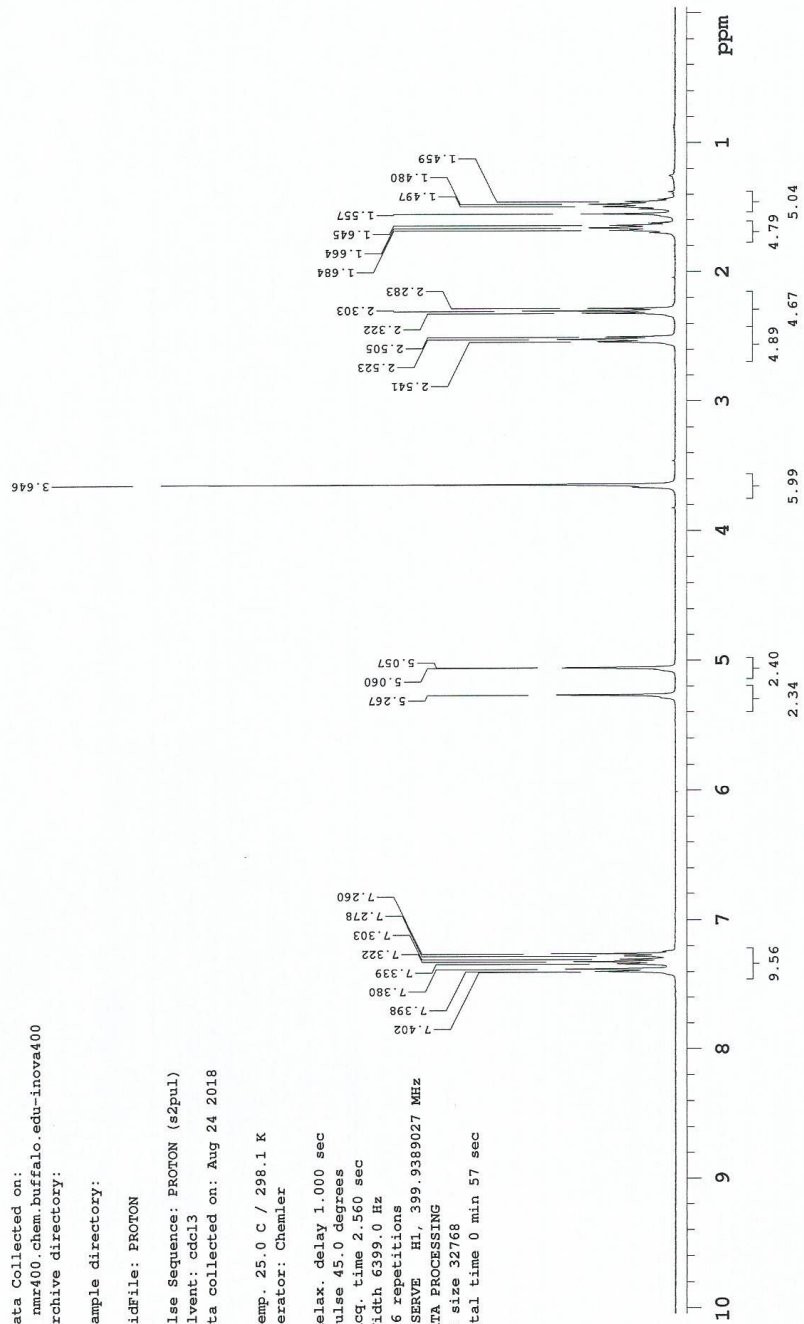
Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Aug 24 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions
OBSERVE H1, 399.9389027 MHz
DATA PROCESSING
FT size 32768
Total time 0 min 57 sec



SB_157_crude_orangebrown

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

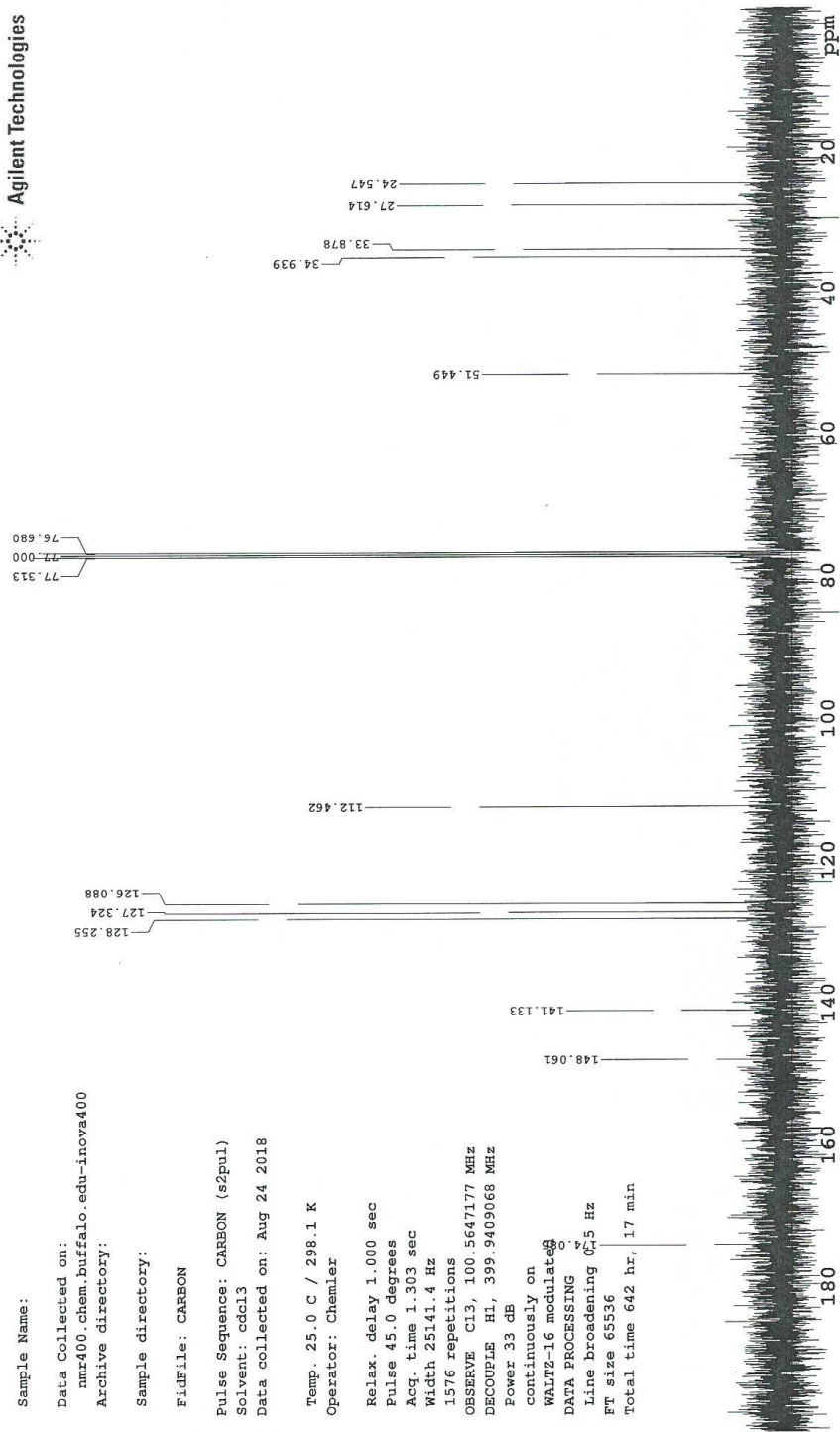
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 24 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
1576 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 642 hr, 17 min



ASB-propanediolsubstrate-CARBON

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 27 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

16 repetitions

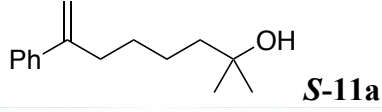
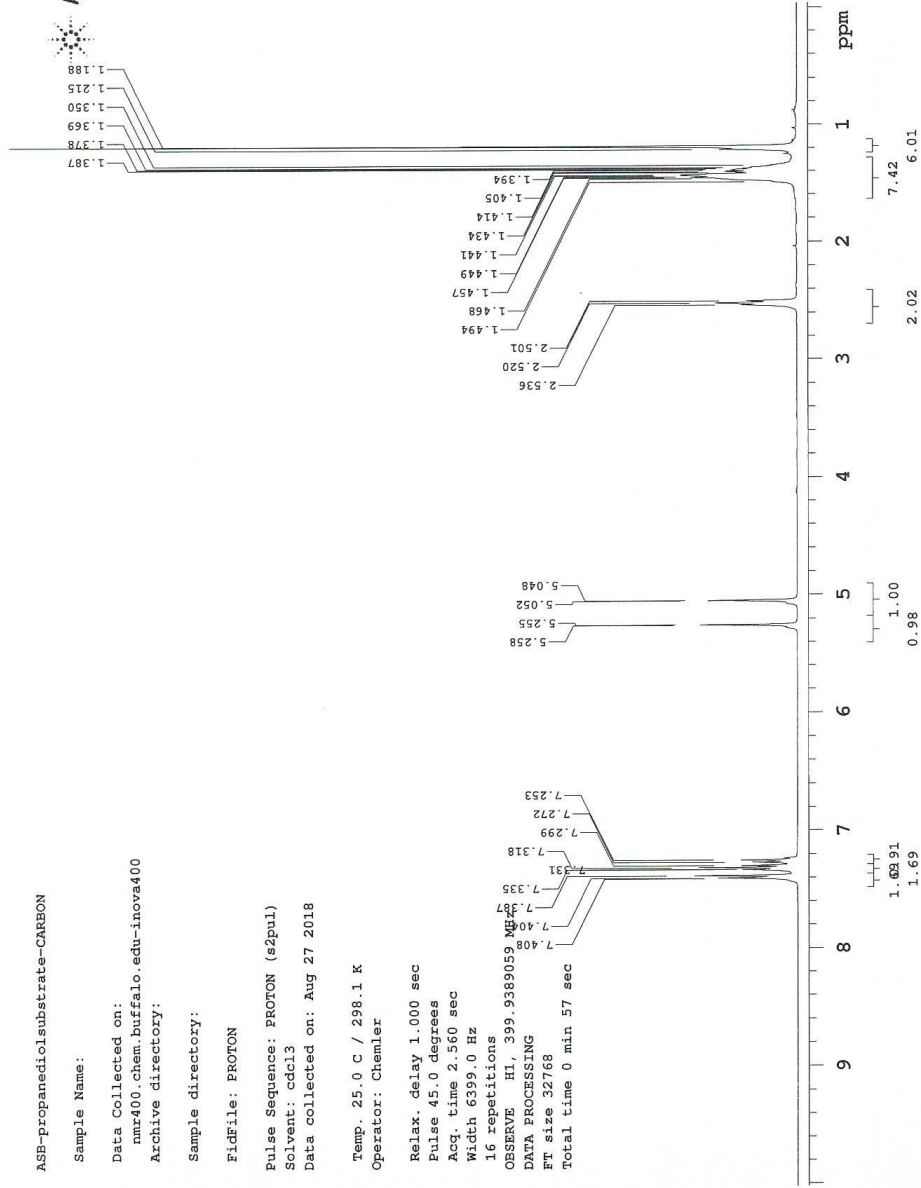
OBSERVE H1, 399.9389059 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 57 sec

Agilent Technologies



ASB-propanediolsubstrate-CARBON

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 27 2018

Temp. 25.0 C / 298.1 K

Operator: Chenler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.303 sec

Width 25141.4 Hz

500 repetitions

OBSERVE C13, 100.5647192 MHz

DECOUPLE H1, 399.9409068 MHz

Power 33 dB

continuously on

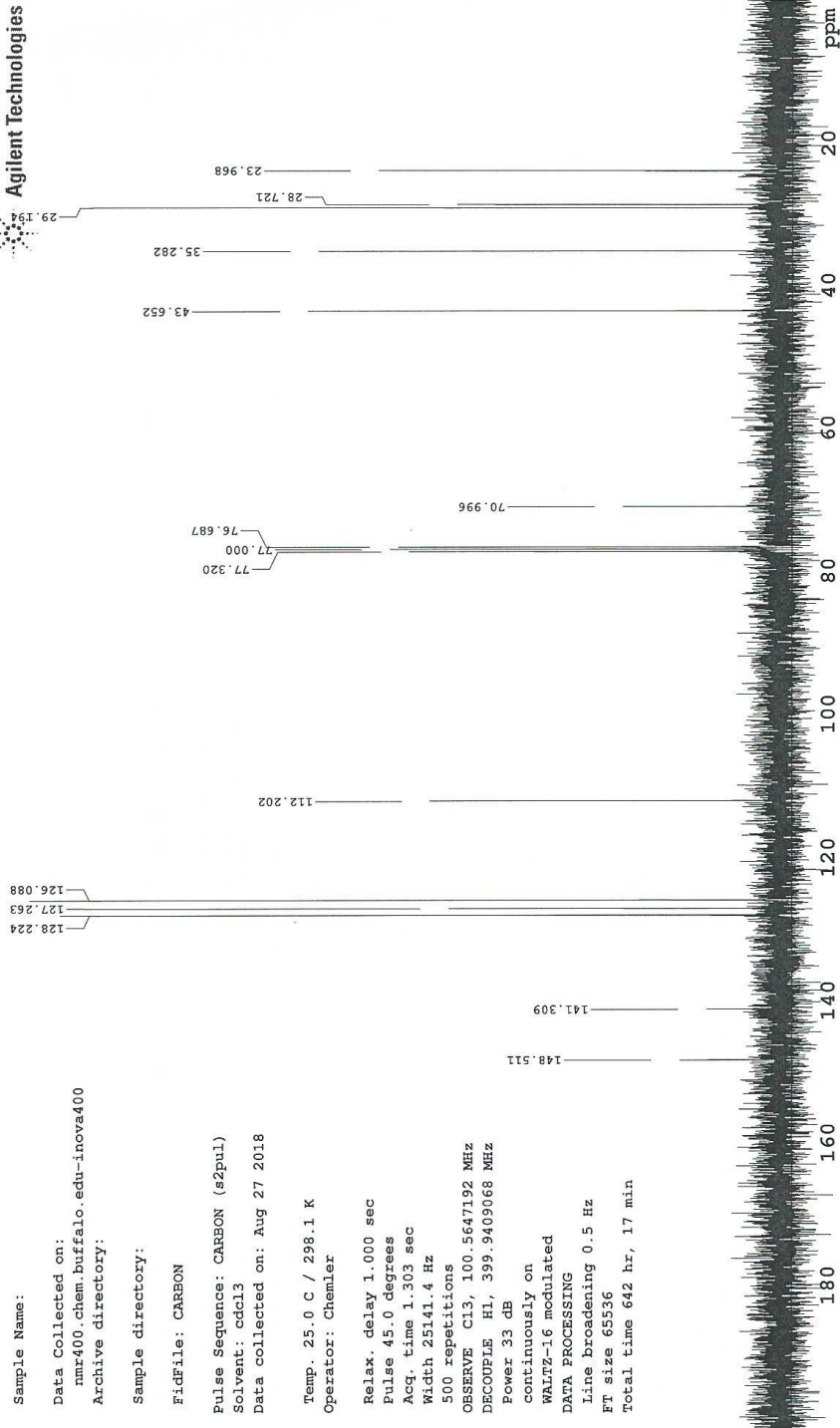
WALTZ-16 modulated

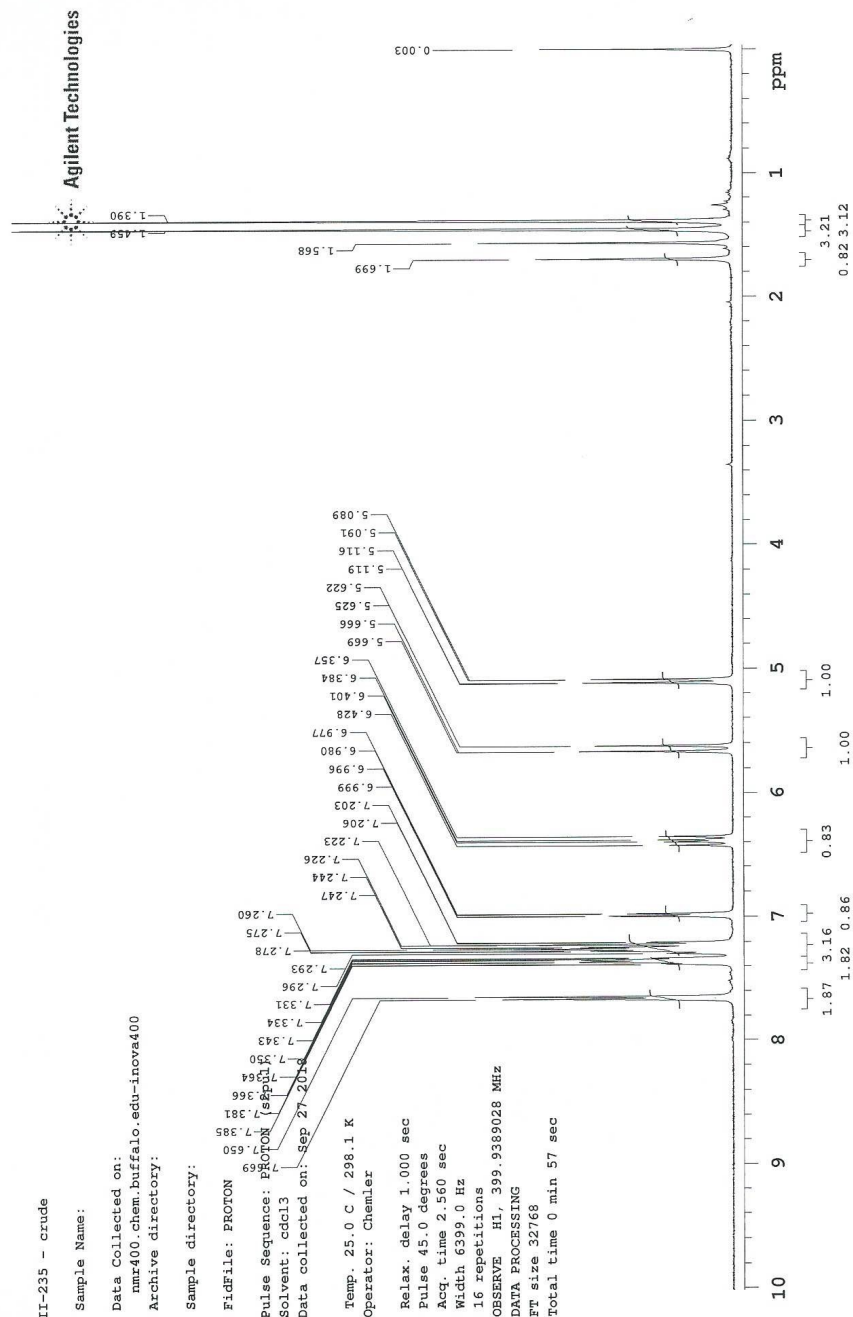
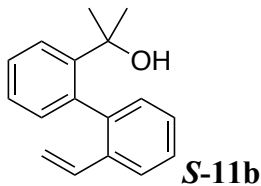
DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 642 hr, 17 min





11-235 - crude

Sample Name:

Data Collected on:
nmr-400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdc13
Data collected on: Sep 27 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
1792 repetitions

OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB

continuously on

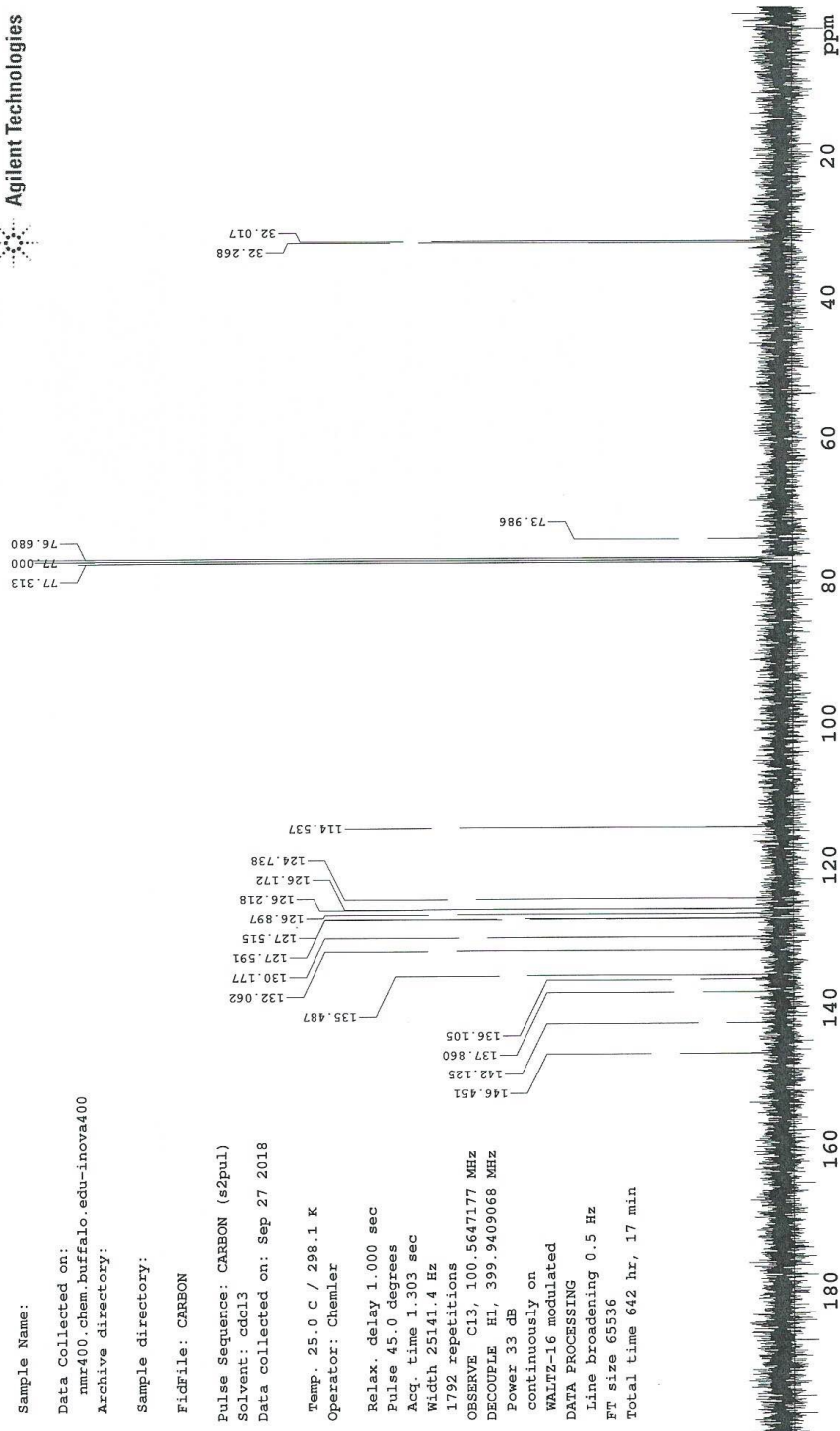
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 642 hr, 17 min



ASB-bromostyrene-buli-crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

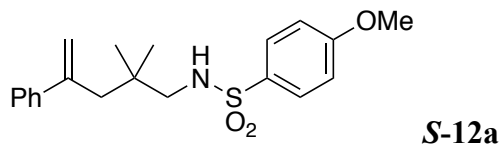
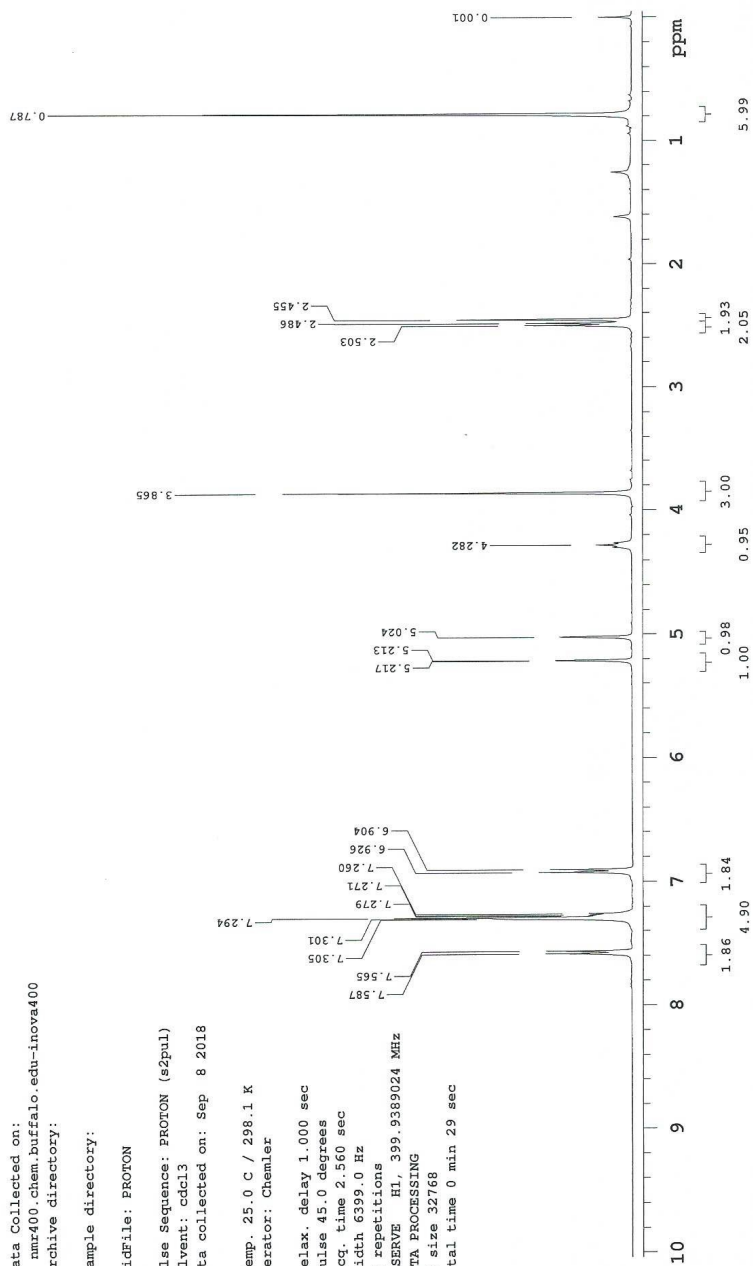
FidFile: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Sep 8 2018

Temp.: 25.0 C / 298.1 K
Operator: Chemlar

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
8 repetitions

OBSERVE H1, 399.9389024 MHz
DATA PROCESSING
Ft size 32768
Total time 0 min 29 sec



Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

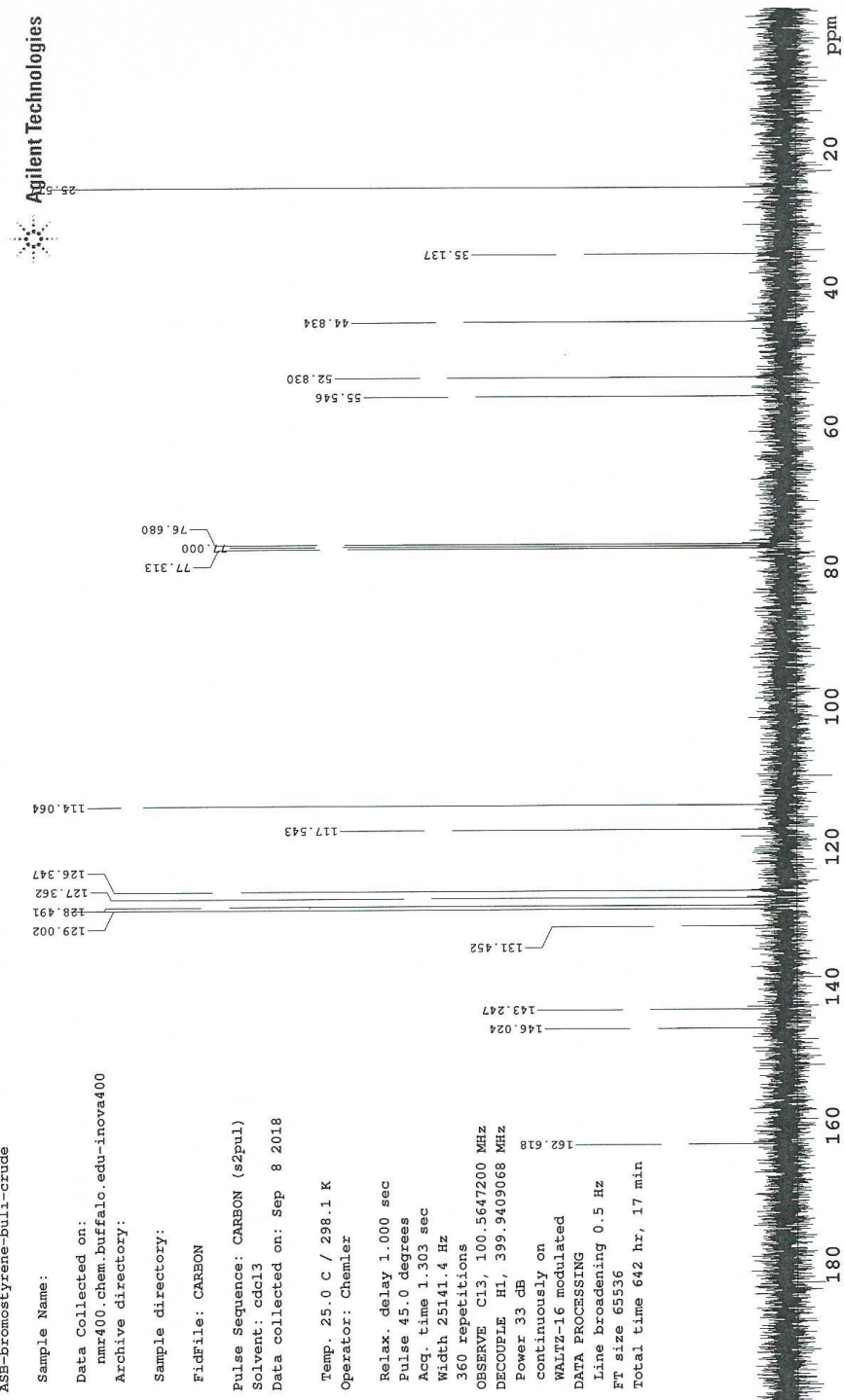
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Sep 8 2018

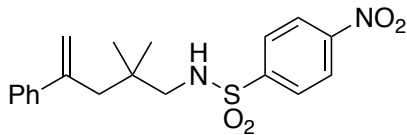
Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
360 repetitions

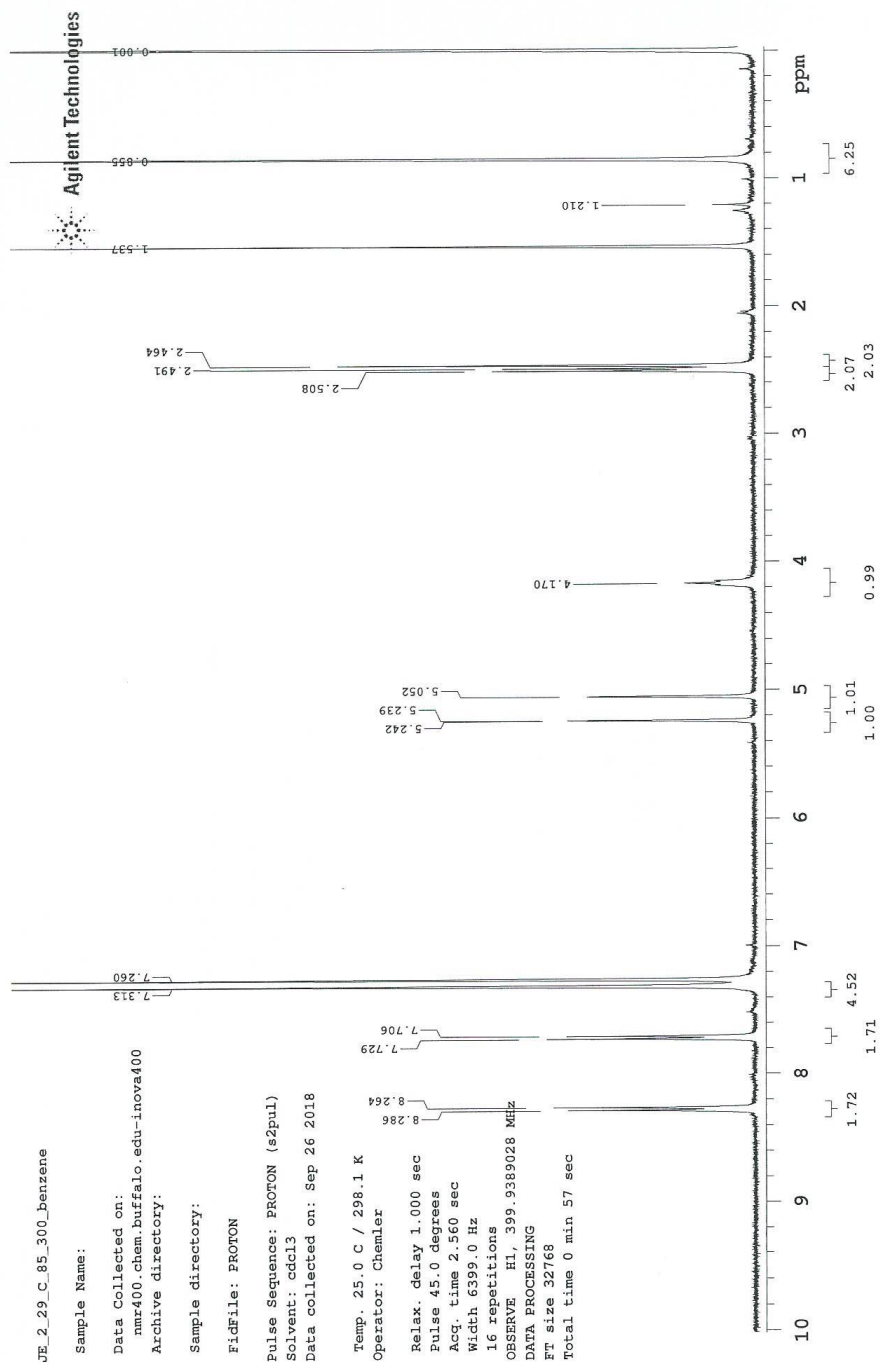
500 repetitions
OBSERVE C13, 100.5647200 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65336
Total time 642 hr, 17 min

Agilent Technologies





S-12b



JE_2_33_B

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

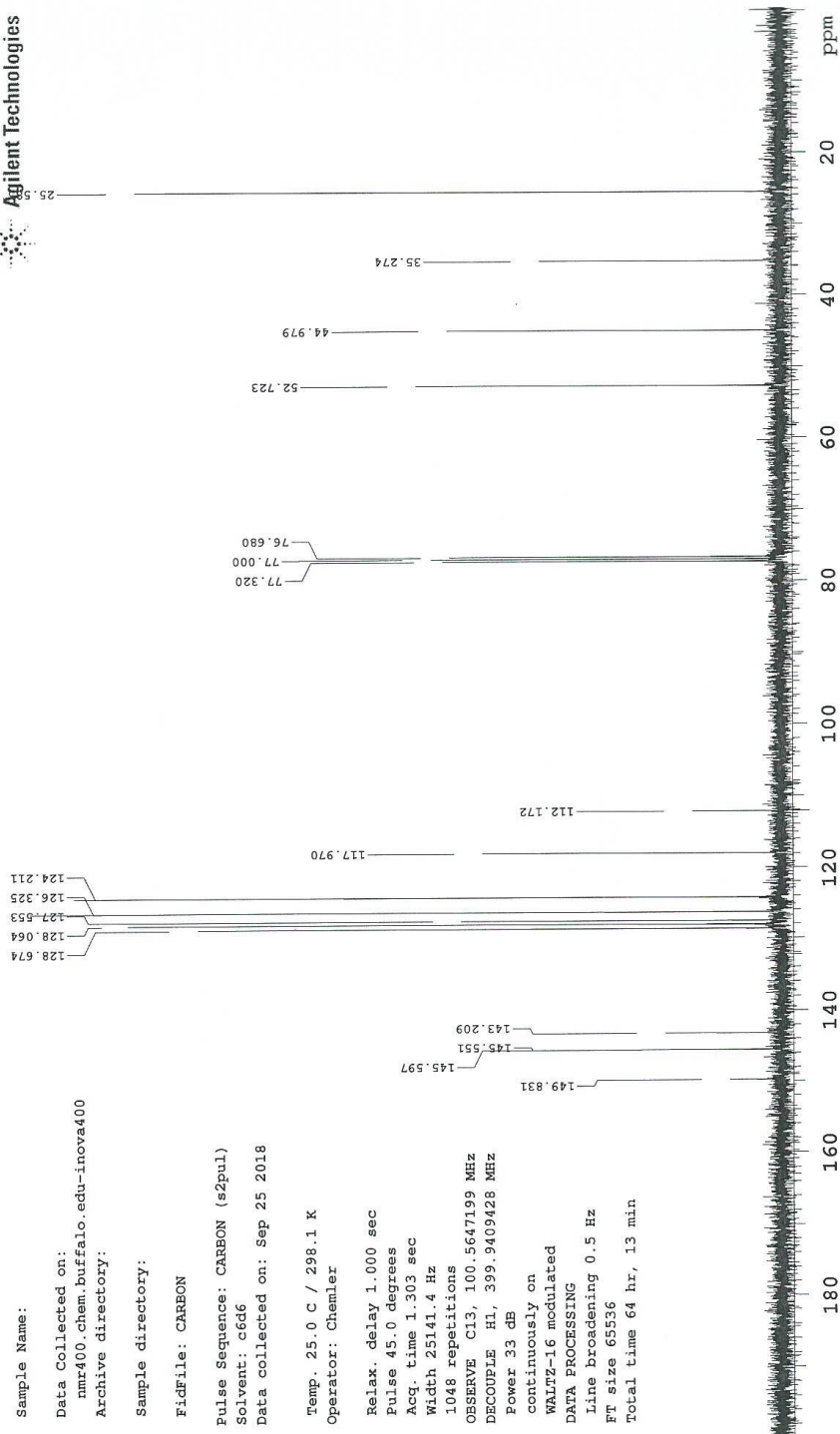
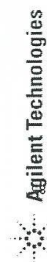
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: c6d6
Data collected on: Sep 25 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
1048 repetitions
OBSERVE C13, 100.5647199 MHz
DECOUPLE H1, 399.9409428 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 64 hr, 13 min



Ts-substrate-proton-chr

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

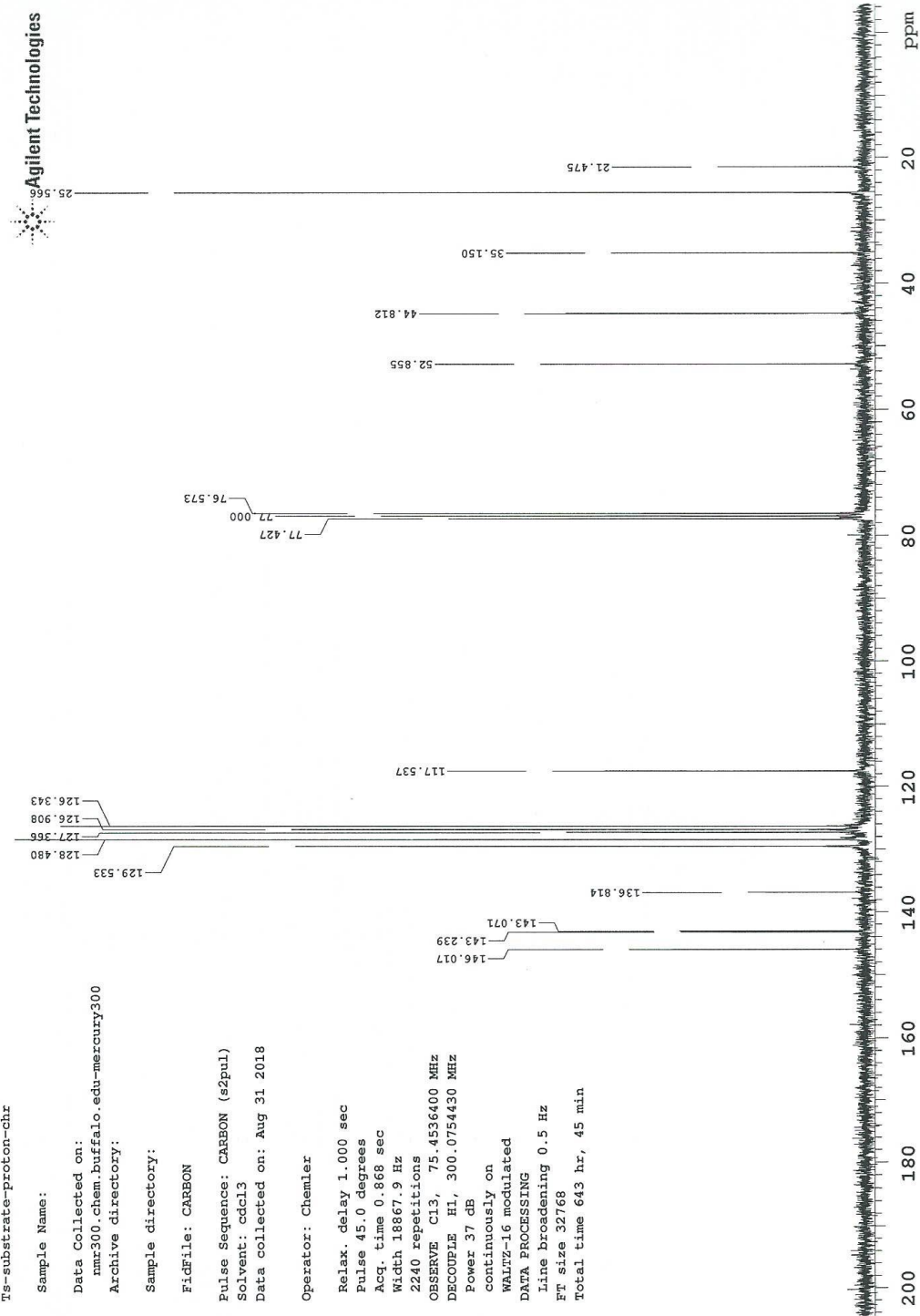
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 31 2018

Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
2240 repetitions
OBSERVE C13, 75.4536400 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 643 hr, 45 min



2K-NO2-Substrate-proton-chr

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

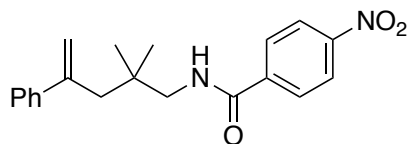
FidFile: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Aug 24 2018

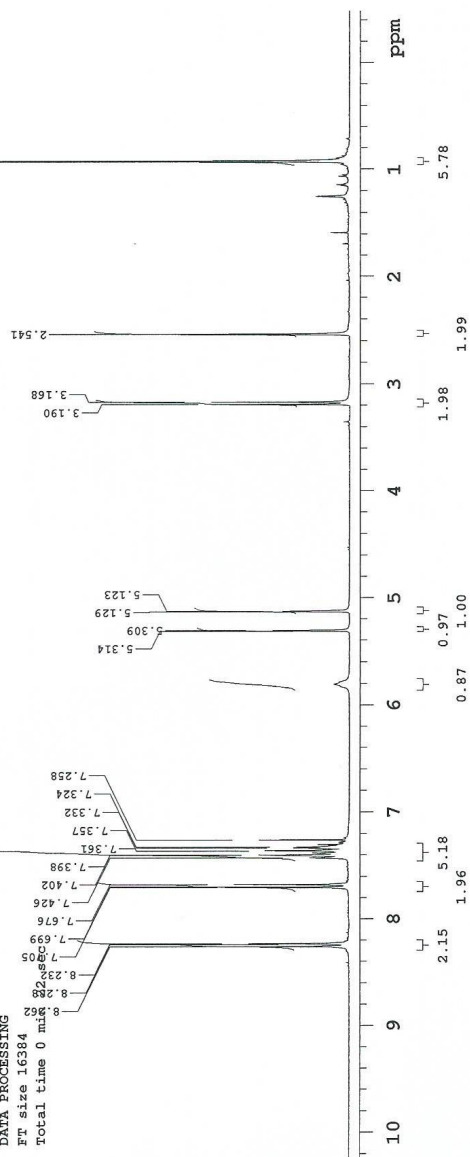
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.706 sec
Width 4800.8 Hz
8 repetitions

OBSERVE H1, 300.0738816 MHz
DATA PROCESSING
Ft size 16384
Total time 0 min 82.22 sec



S-12e



ZK-NO2-Substrate-proton-chr

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

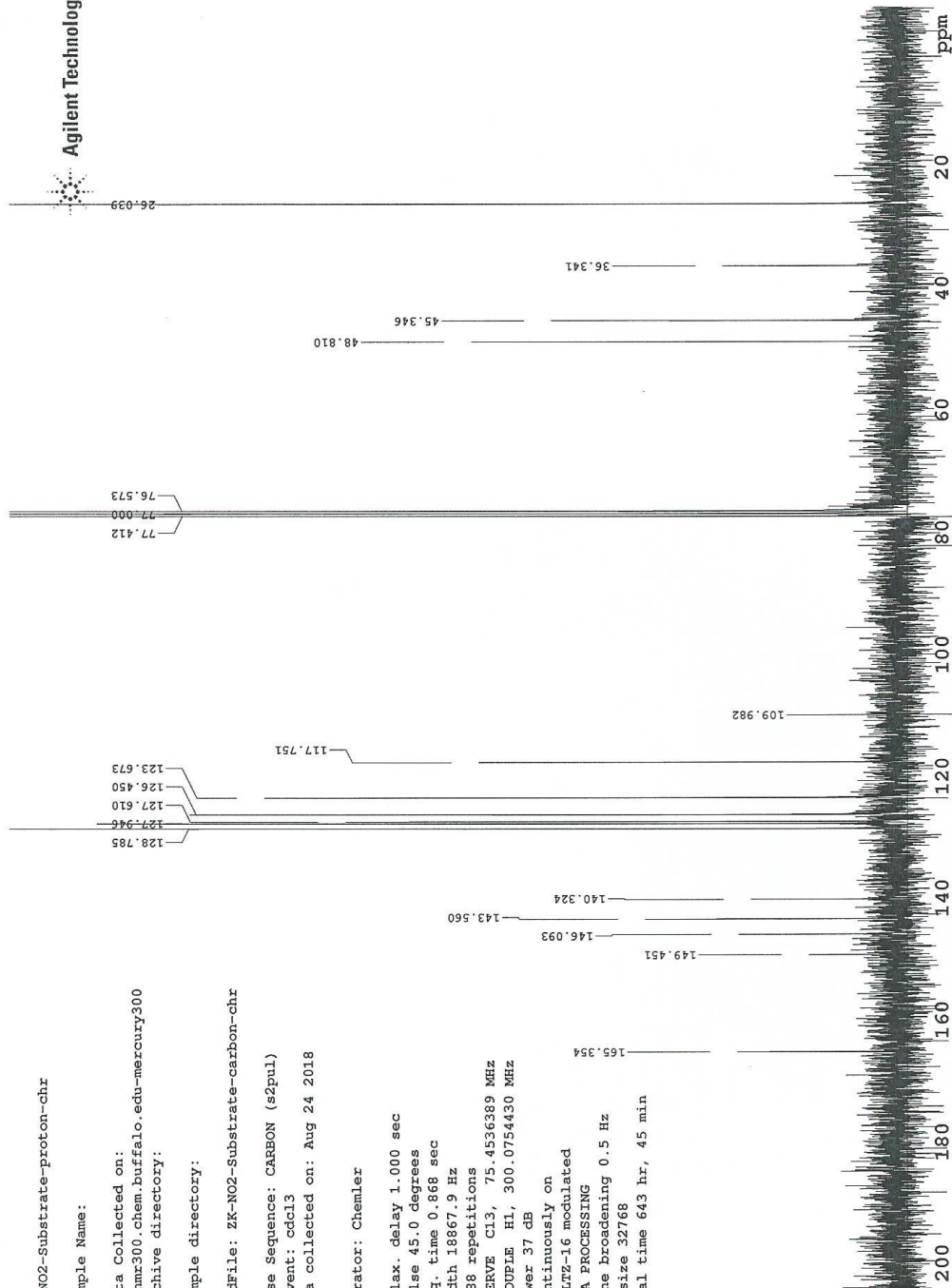
FidFile: ZK-NO2-Substrate-carbon-chr

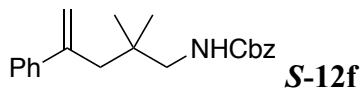
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 24 2018

Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
1088 repetitions
OBSERVE C13, 75.4536389 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 643 hr, 45 min

Agilent Technologies





Agilent Technologies

ZK-cbz-substrate-proton-chr

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 31 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

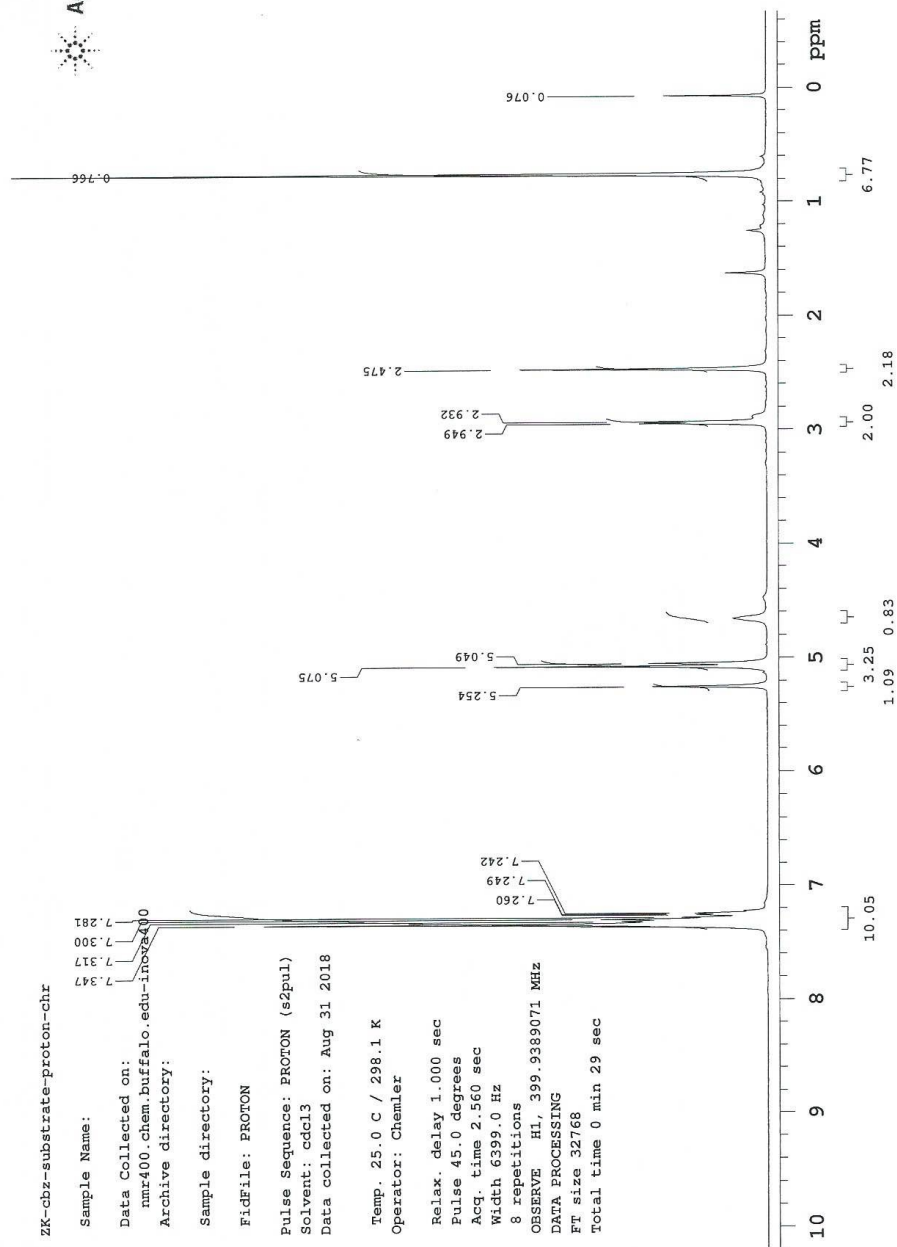
8 repetitions

OBSERVE H1, 399.9389071 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 29 sec



ZK-cbz-substrate-carbon-chr

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

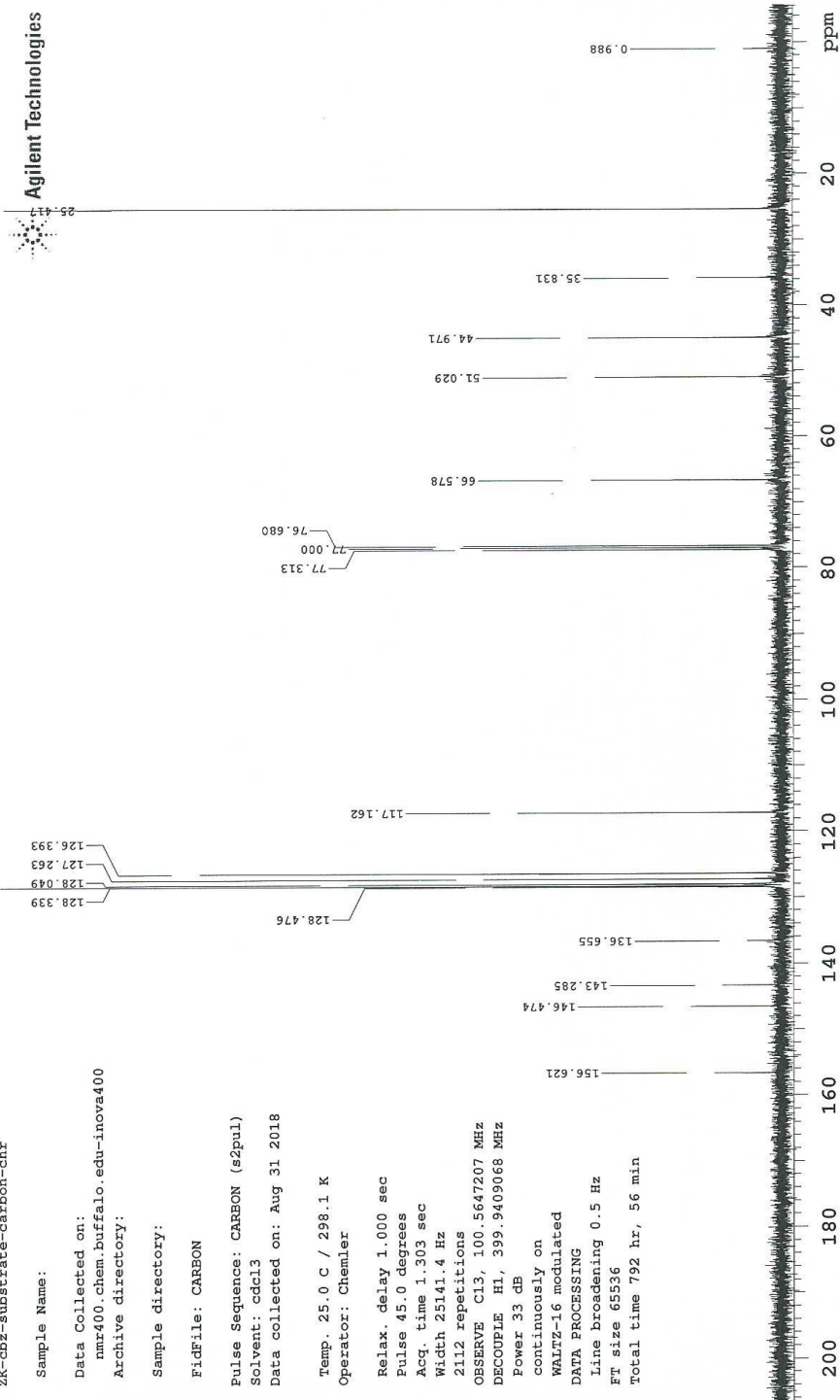
Pulse Sequence: CAREON (s2pul)
Solvent: cdcl3
Data collected on: Aug 31 2018

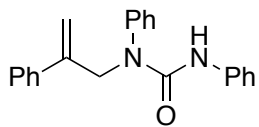
Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
2112 repetitions

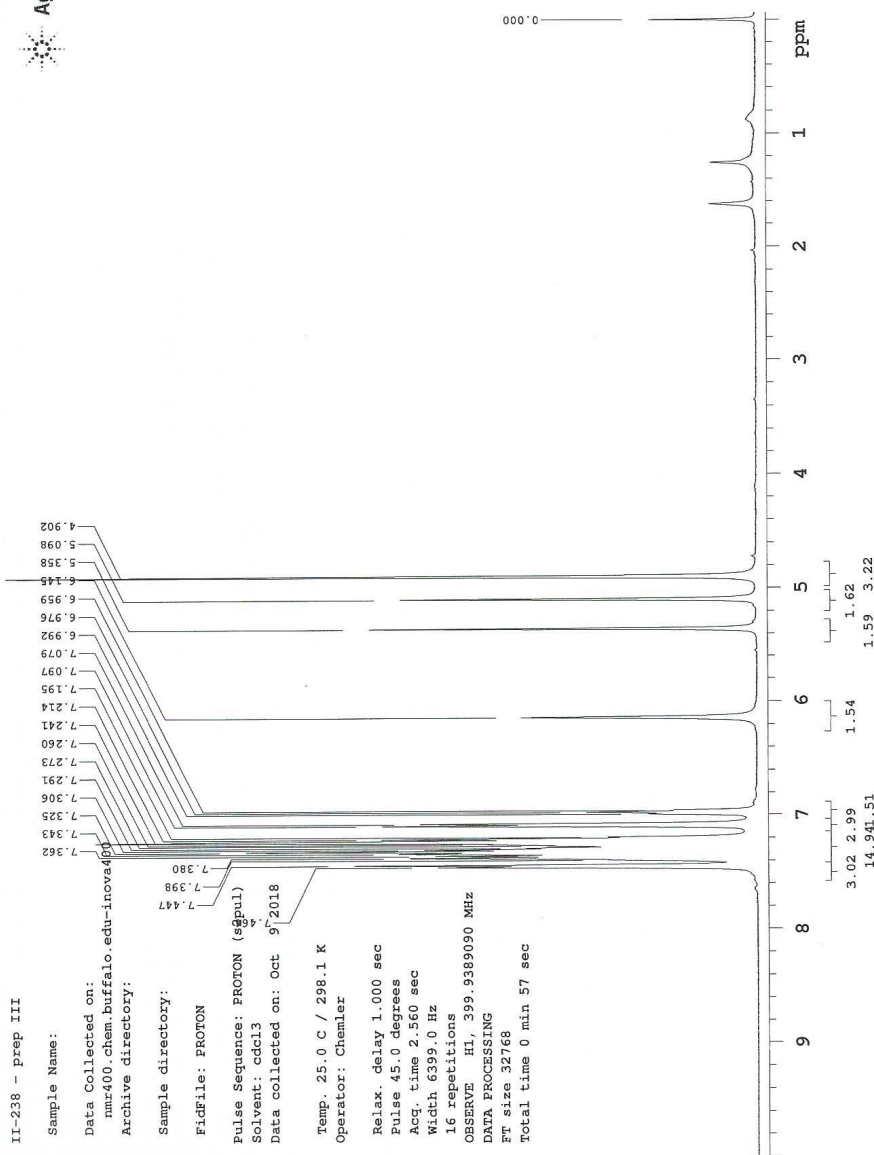
OBSERVE C13, 100.5647207 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB

continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 792 hr, 56 min





S-12g



SB_183_crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

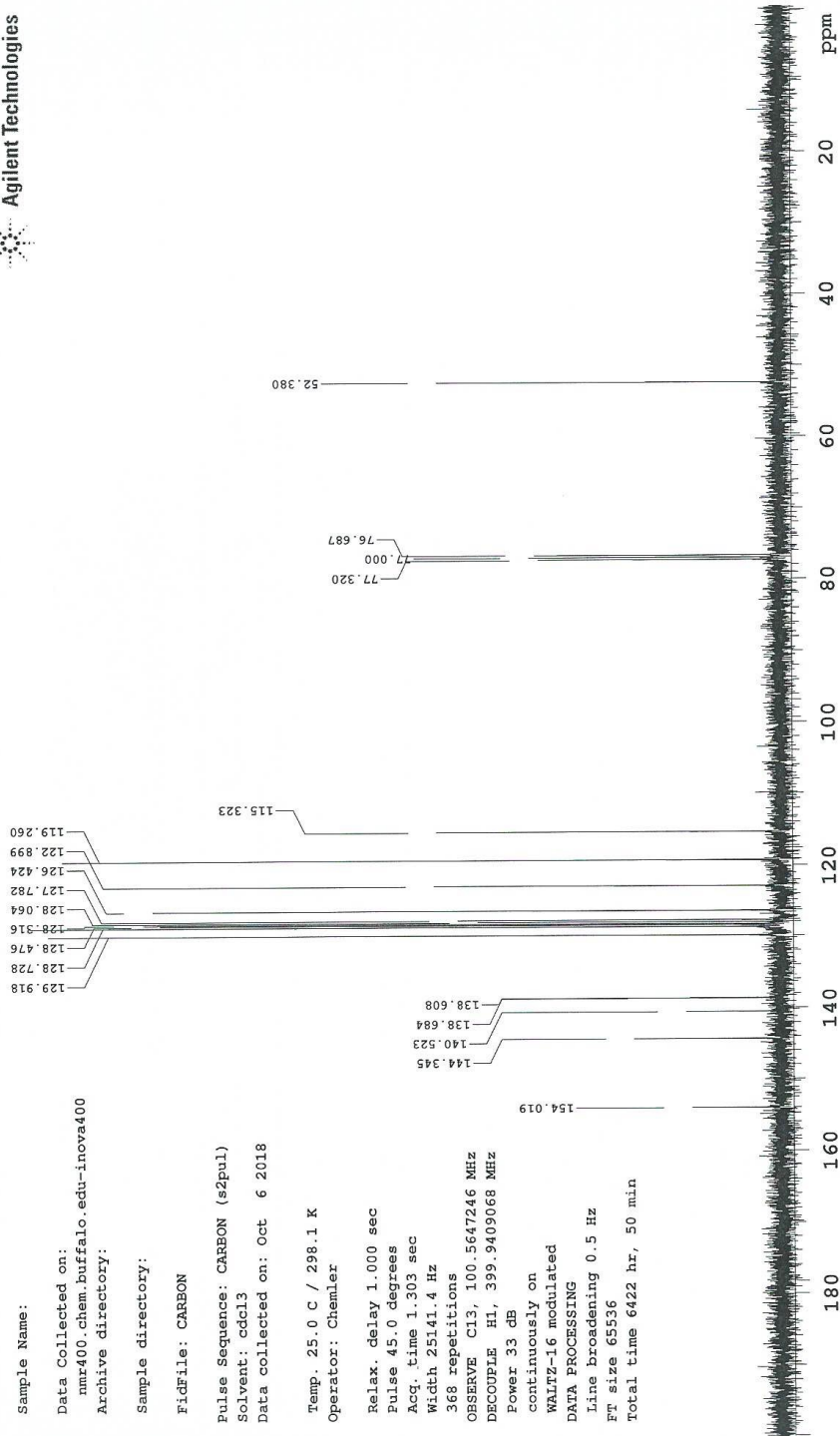
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 6 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
368 repetitions
OBSERVE C13, 100.5647246 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 6422 hr, 50 min

Agilent Technologies



cdk-bl-r42-product

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

File: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Nov 29 2006

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

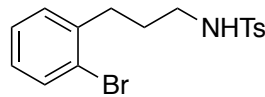
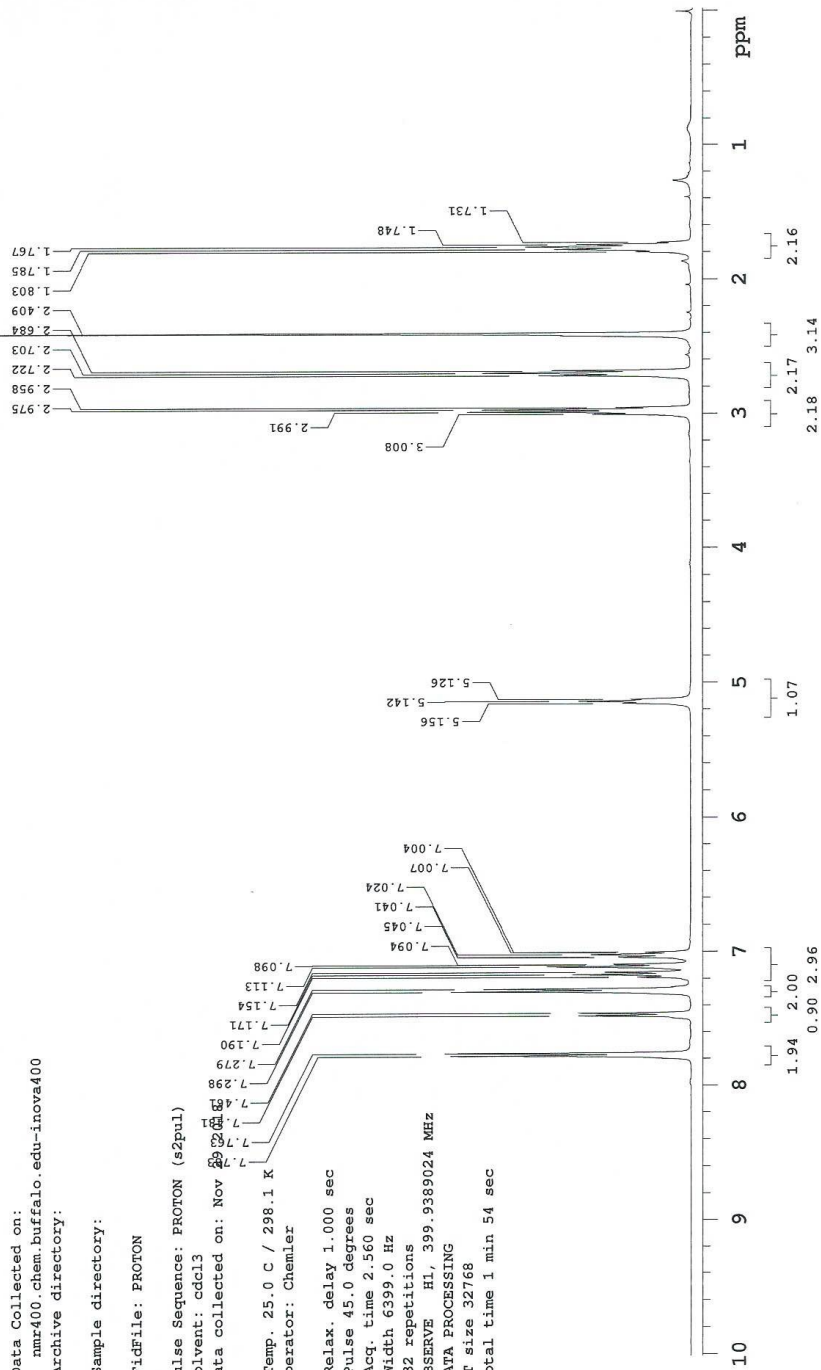
32 repetitions

OBSERVE H1, 399.9389024 MHz

DATA PROCESSING

Ft size 32768

Total time 1 min 54 sec



S-3

cdk-bl-r42-product

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

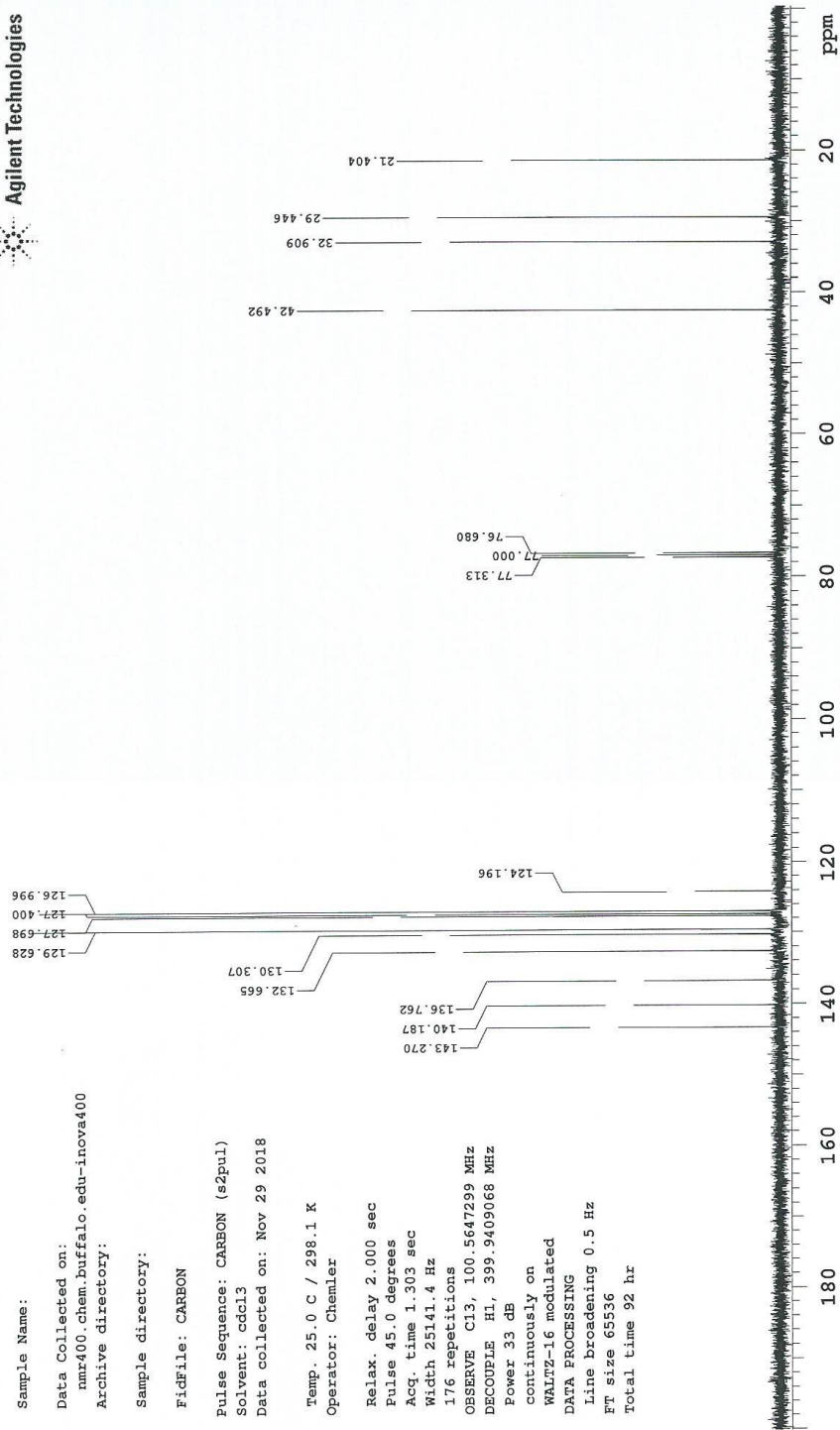
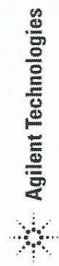
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 29 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
176 repetitions

OBSERVE C13, 100.5647299 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on

WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 92 hr



JE_2_65_C_COSY_1D

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul1)

Solvent: cdcl3

Data collected on: Dec 6 2018

Temp. 25.0°C

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

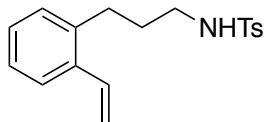
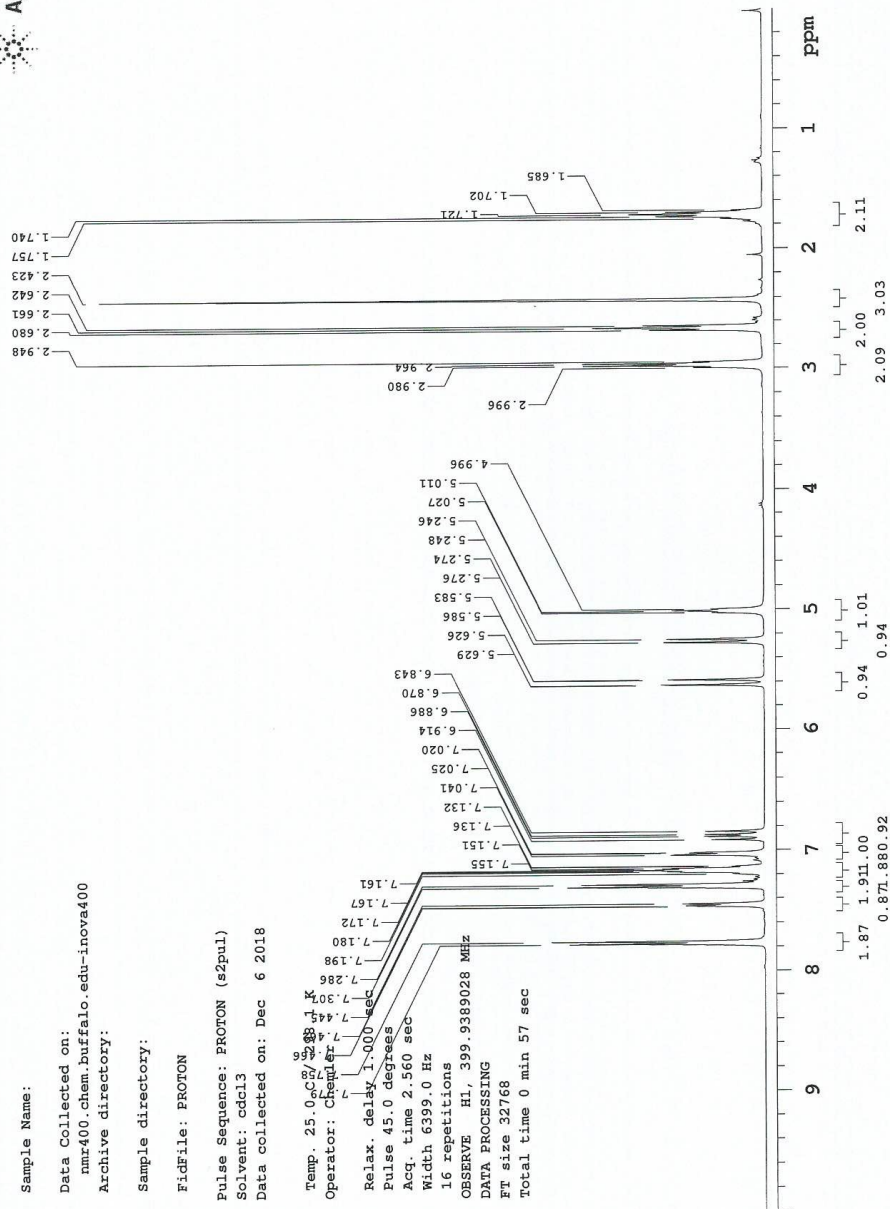
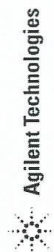
16 repetitions

OBSERVE H1, 399.9389028 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 57 sec



S-15

JE_2_67_G

Sample Name:

Data Collected on:
mmx400.chem.buffalo.edu-inova400
Archive directory:

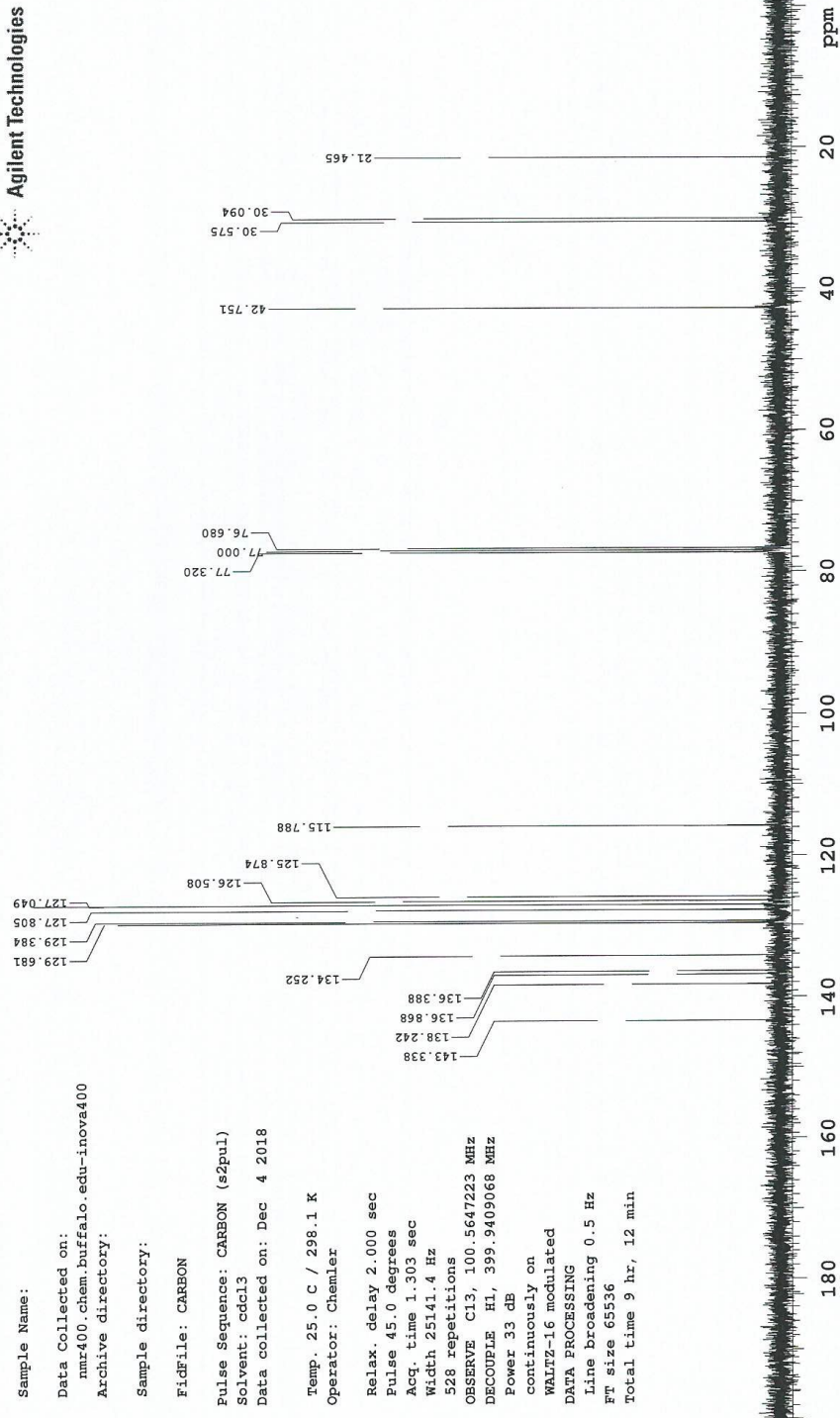
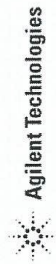
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Dec 4 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
528 repetitions
OBSERVE C13, 100.5647223 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 9 hr, 12 min



SB_100_filtrate_IPA

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 2 2018

Operator: Chemler

Relax delay 1.000 sec

Acq time 3.795 sec

Width 4800.6 Hz

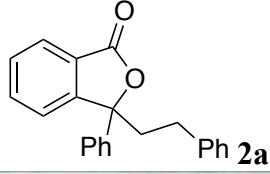
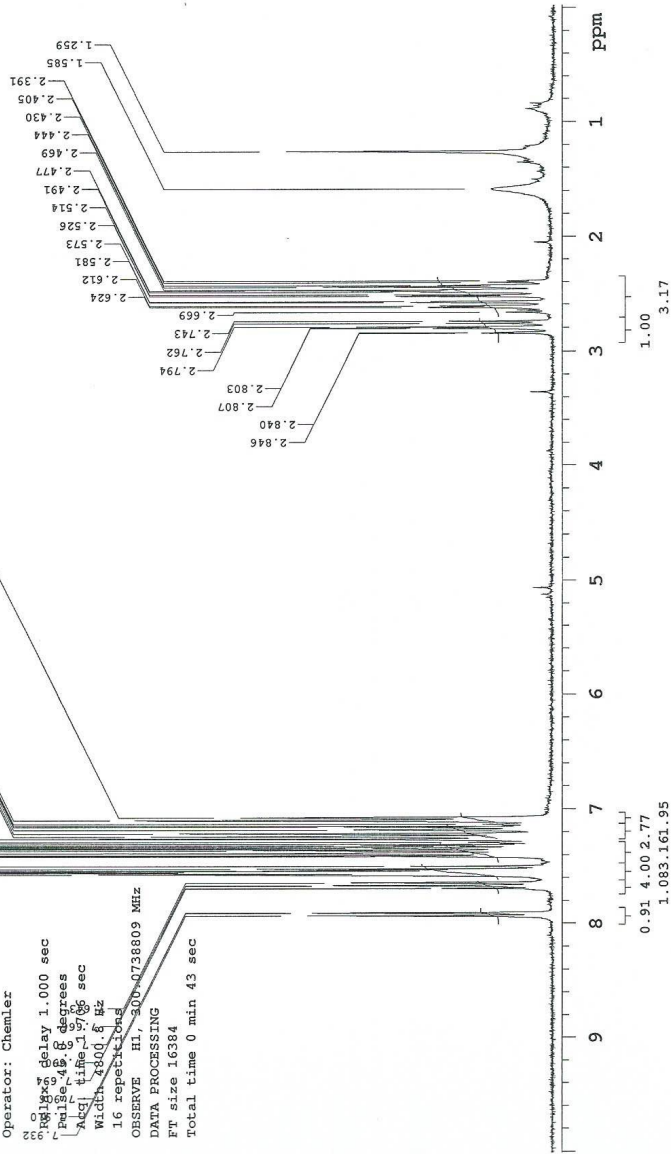
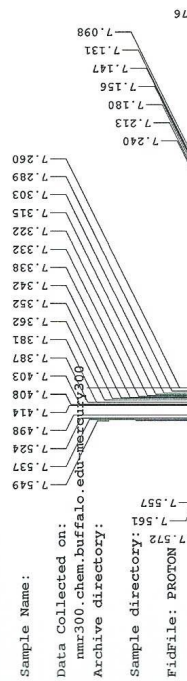
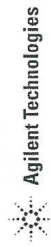
16 repetitions

OBSERVE H1, 300-0738809 MHz

DATA PROCESSING

FT size 16384

Total time 0 min 43 sec



SB_100_filtrate_IPA

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

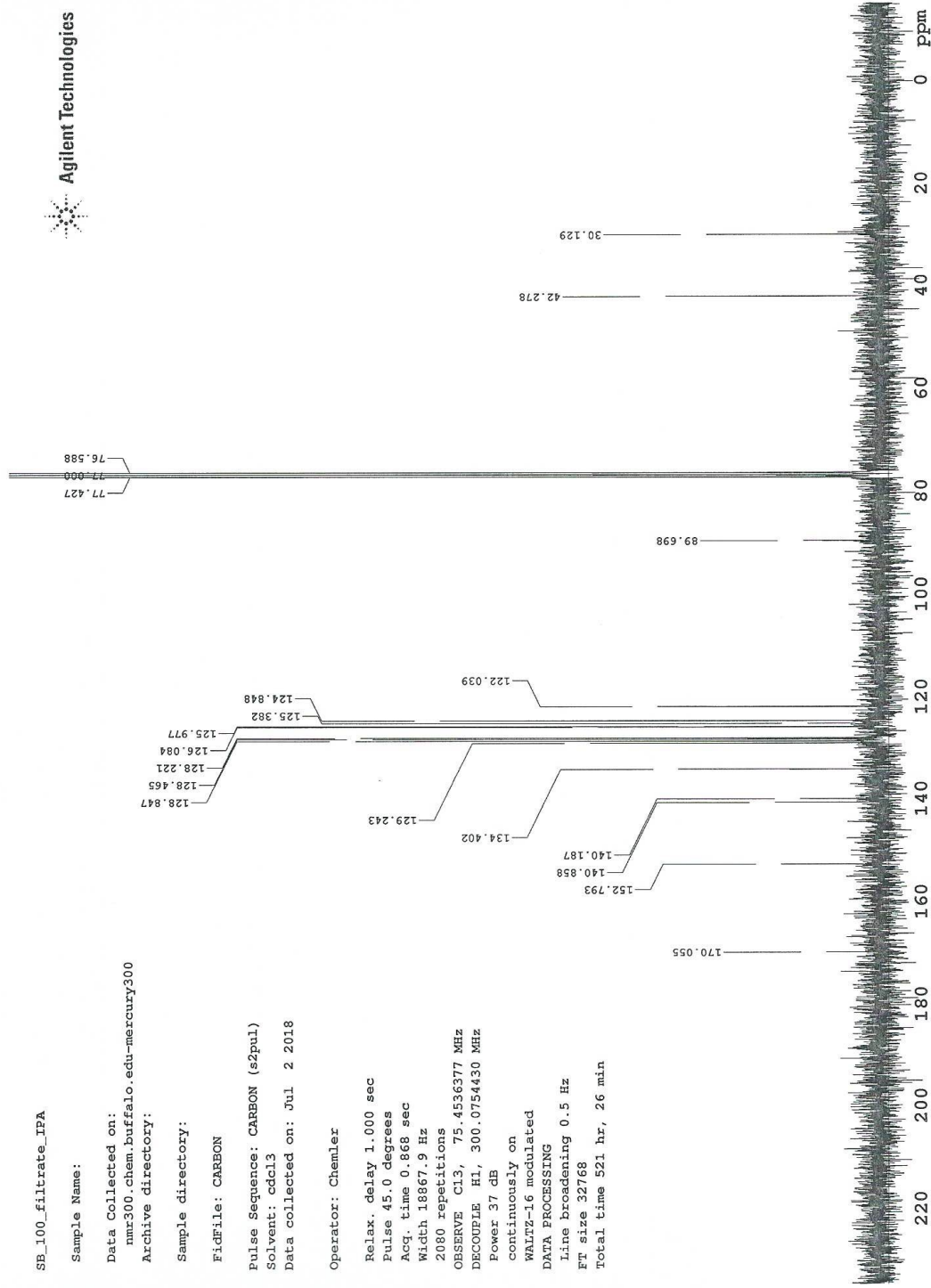
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 2 2018

Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
2080 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 521 hr, 26 min



JE_2_93_B

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-100

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 10 2019

Operator: Chemist

Relax. delay: 1.000 sec

Pulse: 45.0 degrees

Acq. time: 2.560 sec

Width: 6399.0 Hz

32 repetitions

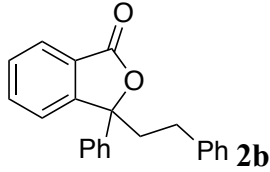
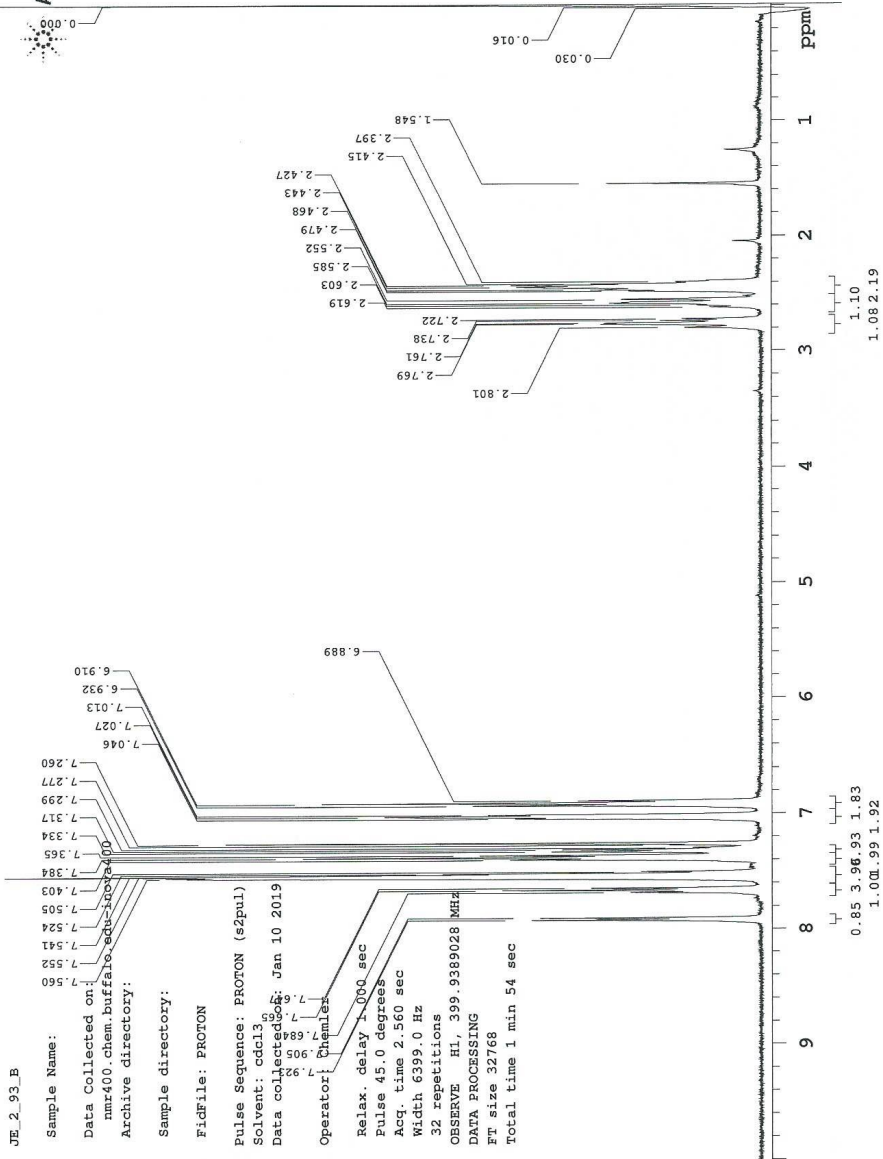
OBSERVE: H1, 399.9389028 MHz

DATA PROCESSING

FT size 32768

Total time 1 min 54 sec

Agilent Technologies



ib2_255_col_12-15

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

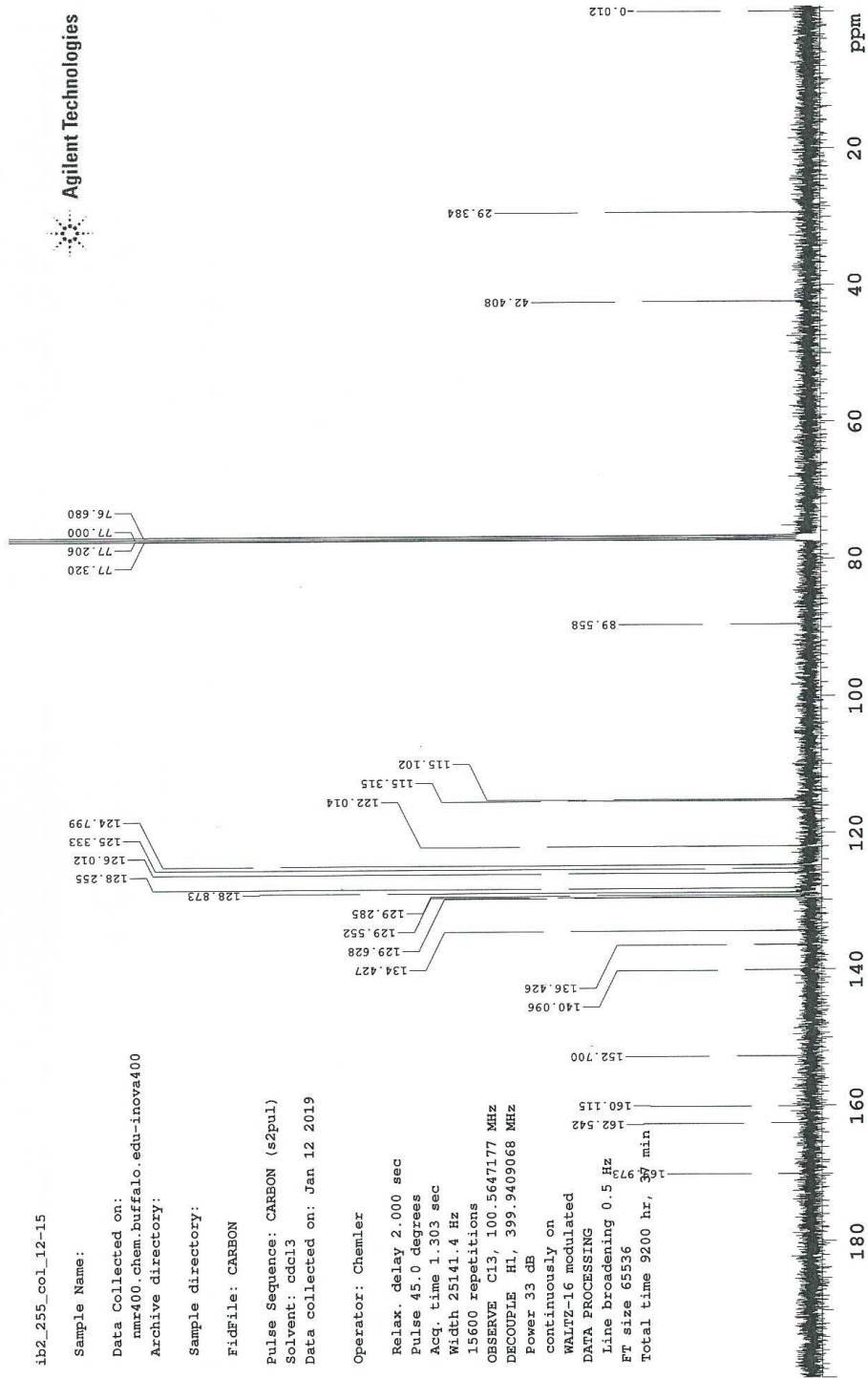
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdc13
Data collected on: Jan 12 2019

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
15600 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 9200 hr, 37 min



ZK-623-F-4-9

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 14 2018

Temp. 25.0 C / 298 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

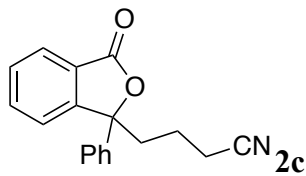
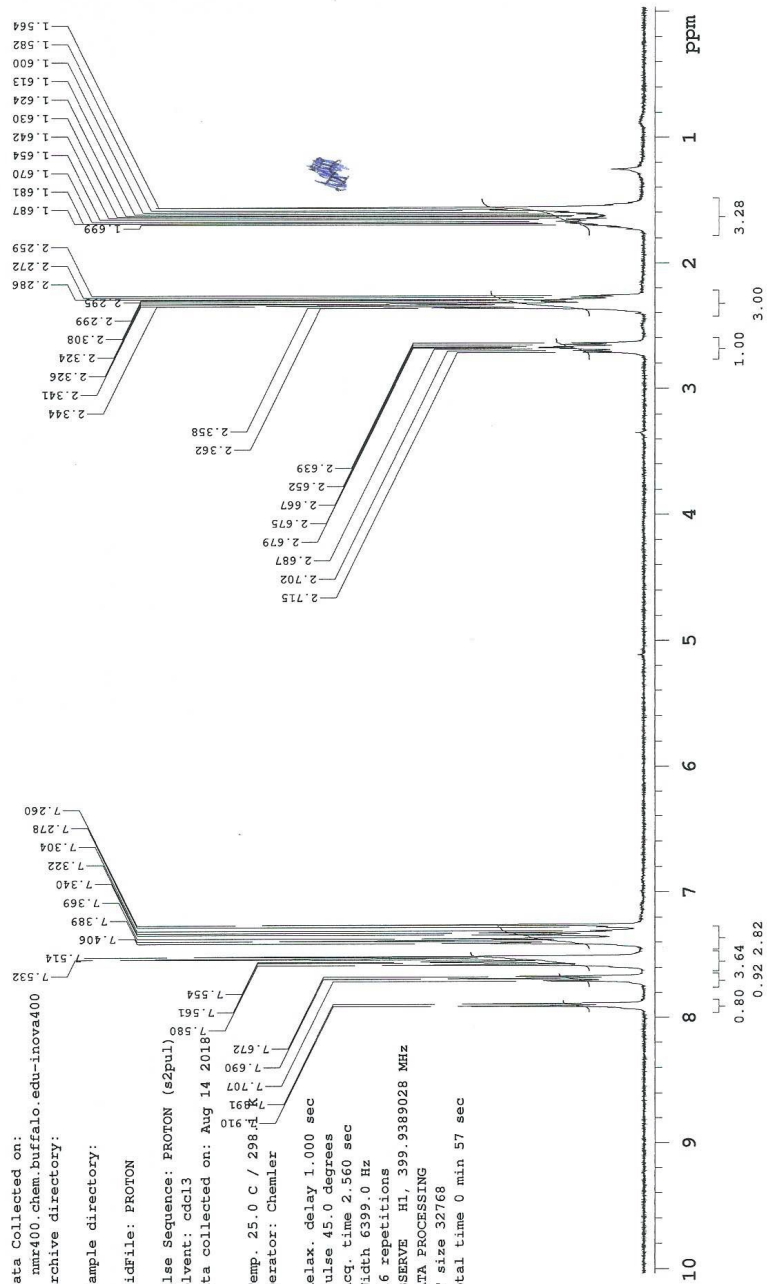
16 repetitions

OBSERVE H1, 399.9389028 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 57 sec



ASB-bromostyrene-buli-crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Sep 8 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

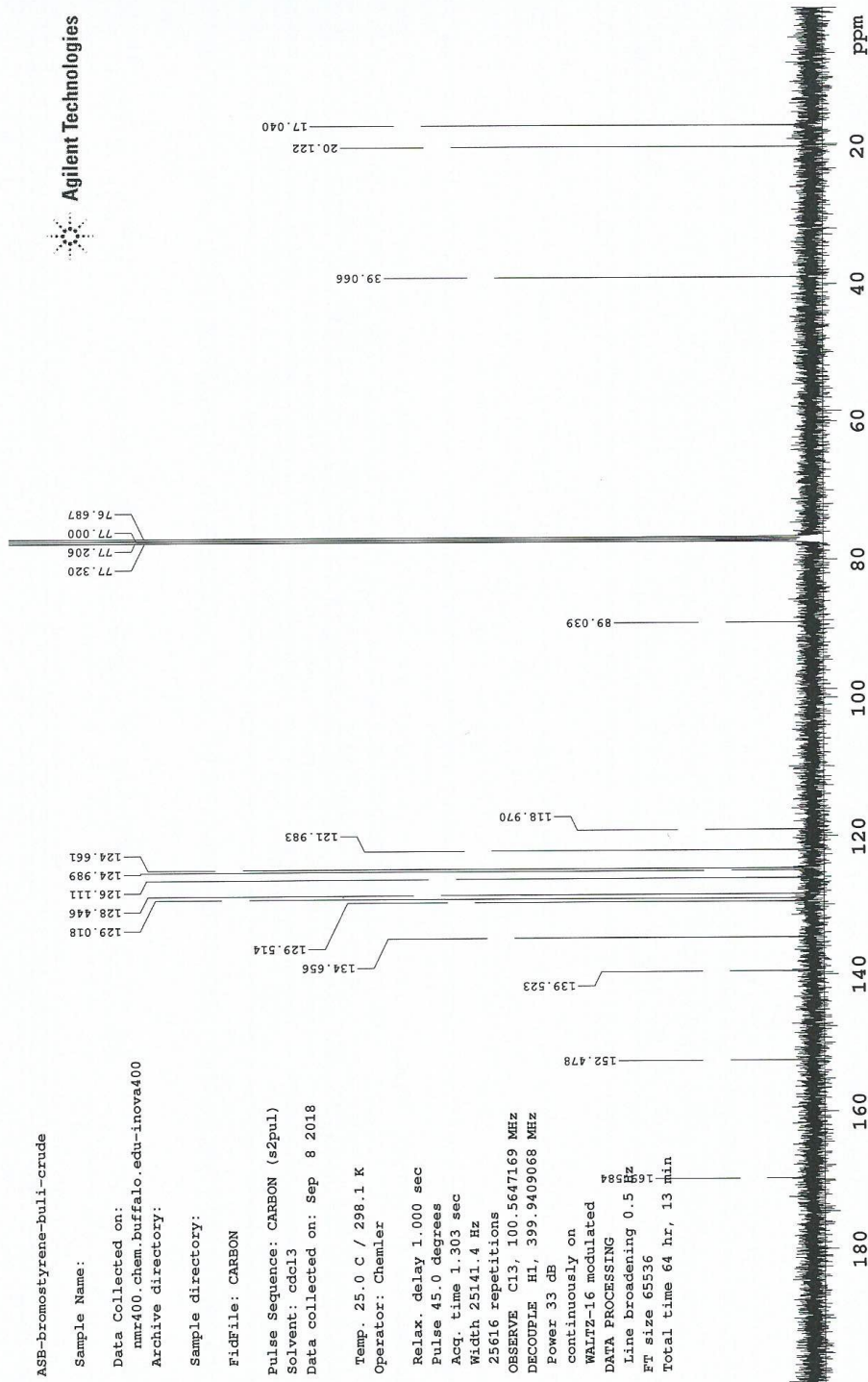
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
25616 repetitions

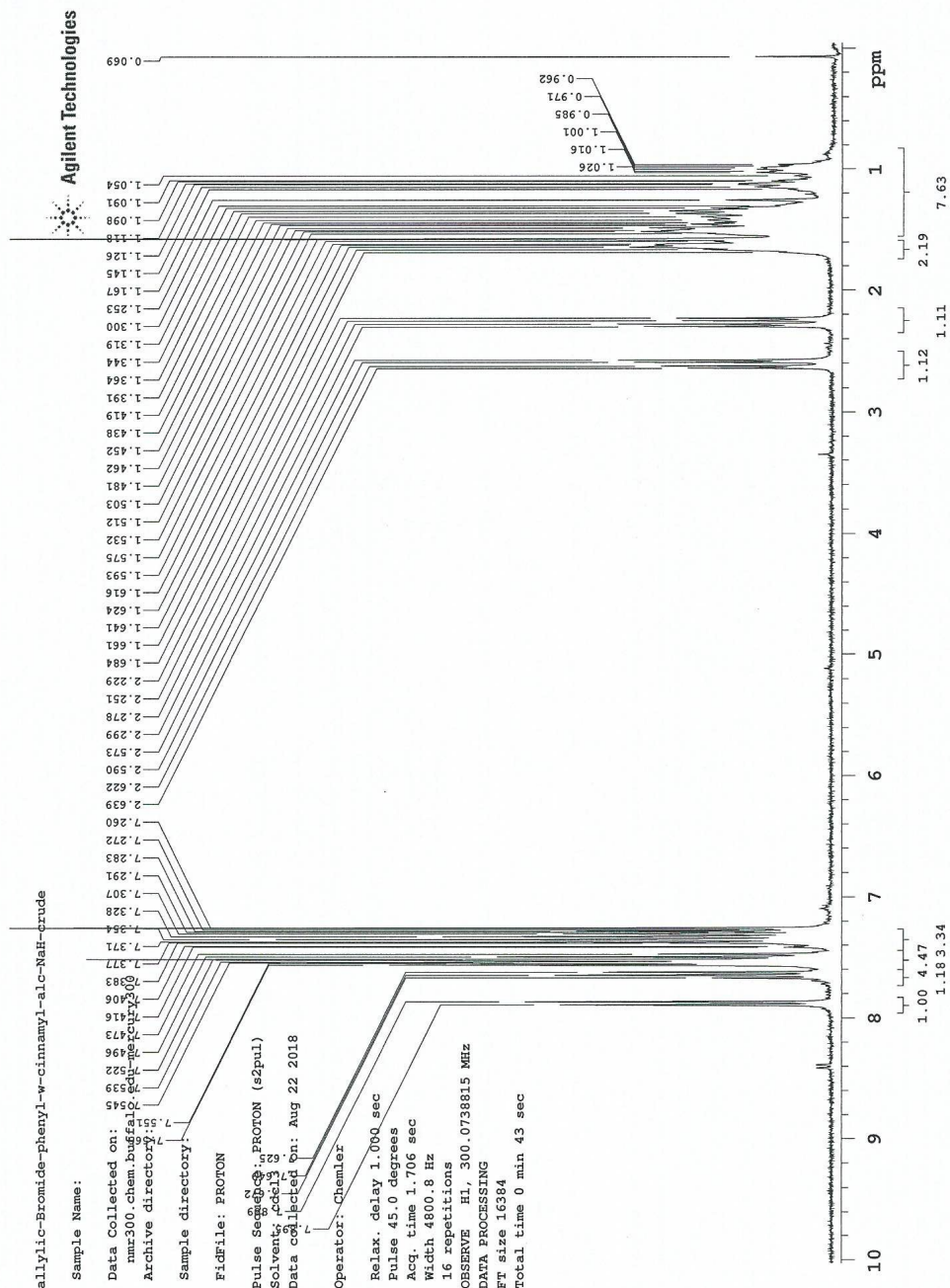
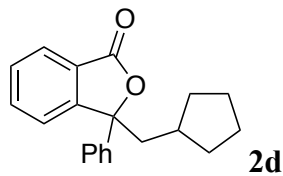
OBSERVE C13, 100.5647169 MHz
DECOUPLE H1, 399.9409068 MHz

Power 33 dB
continuously on

WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 64 hr, 13 min

Agilent Technologies





SB_100_filtrate_IPA

Sample Name:

Data Collected on: nmr300.chem.buffalo.edu-mercury300
Archive directory:

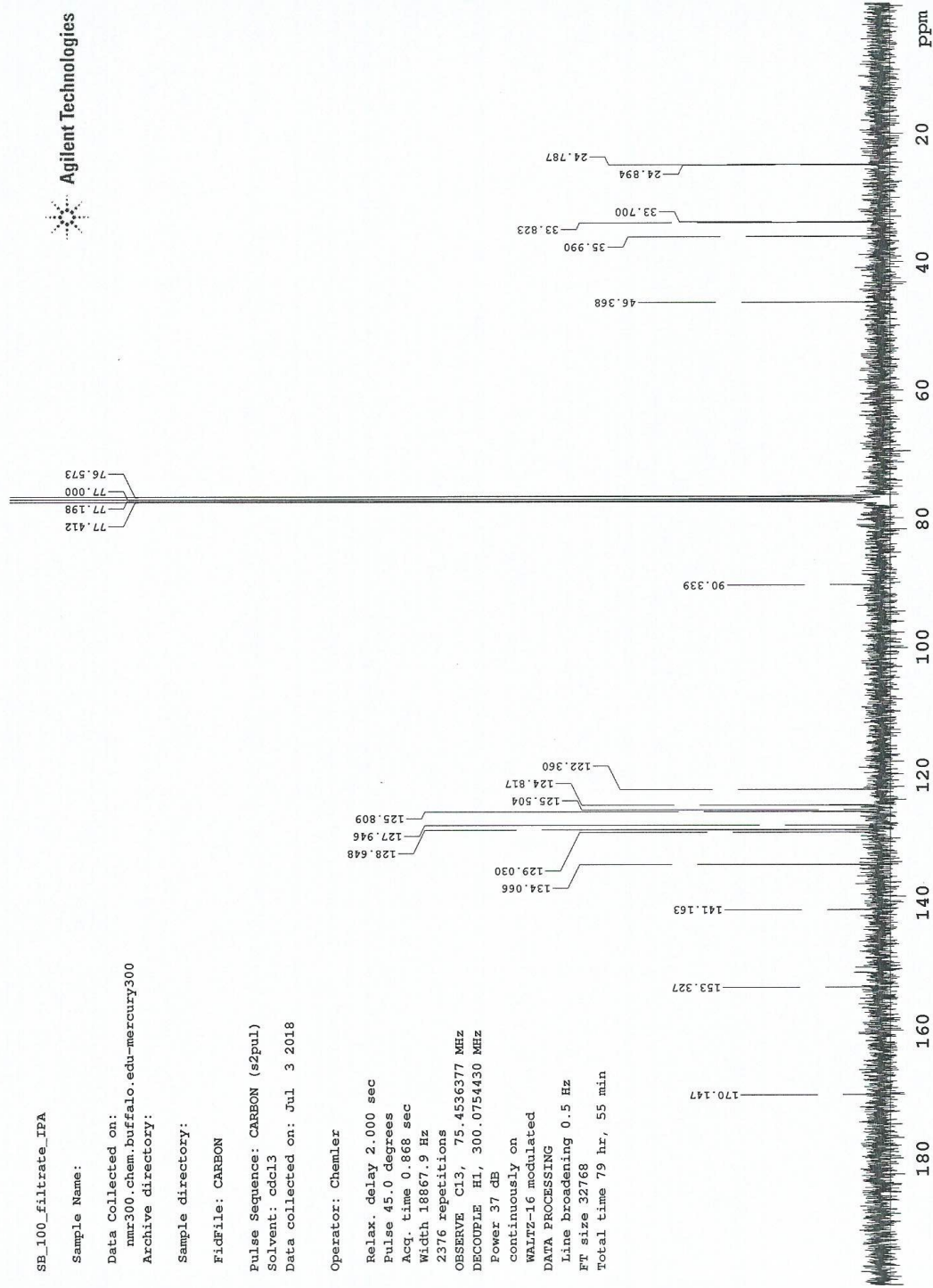
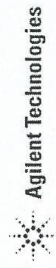
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 3 2018

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
2376 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 79 hr, 55 min



ib2_250_crude

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Dec 18 2018

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

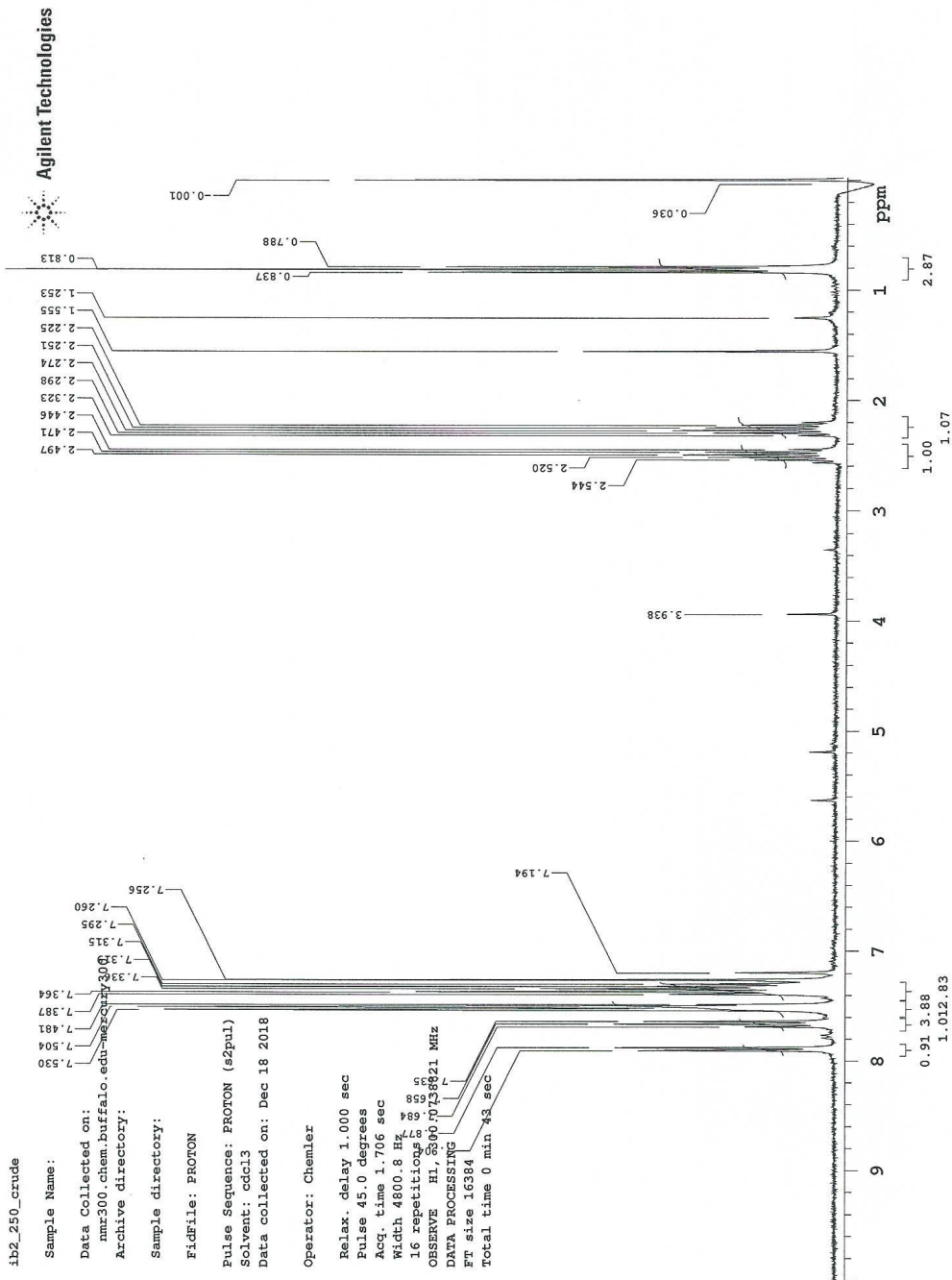
16 repetitions

OBSERVE H1 300.13821 MHz

DATA PROCESSING

Ft size 16384

Total time 0 min 43 sec



cdk-b2-r572-crude

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

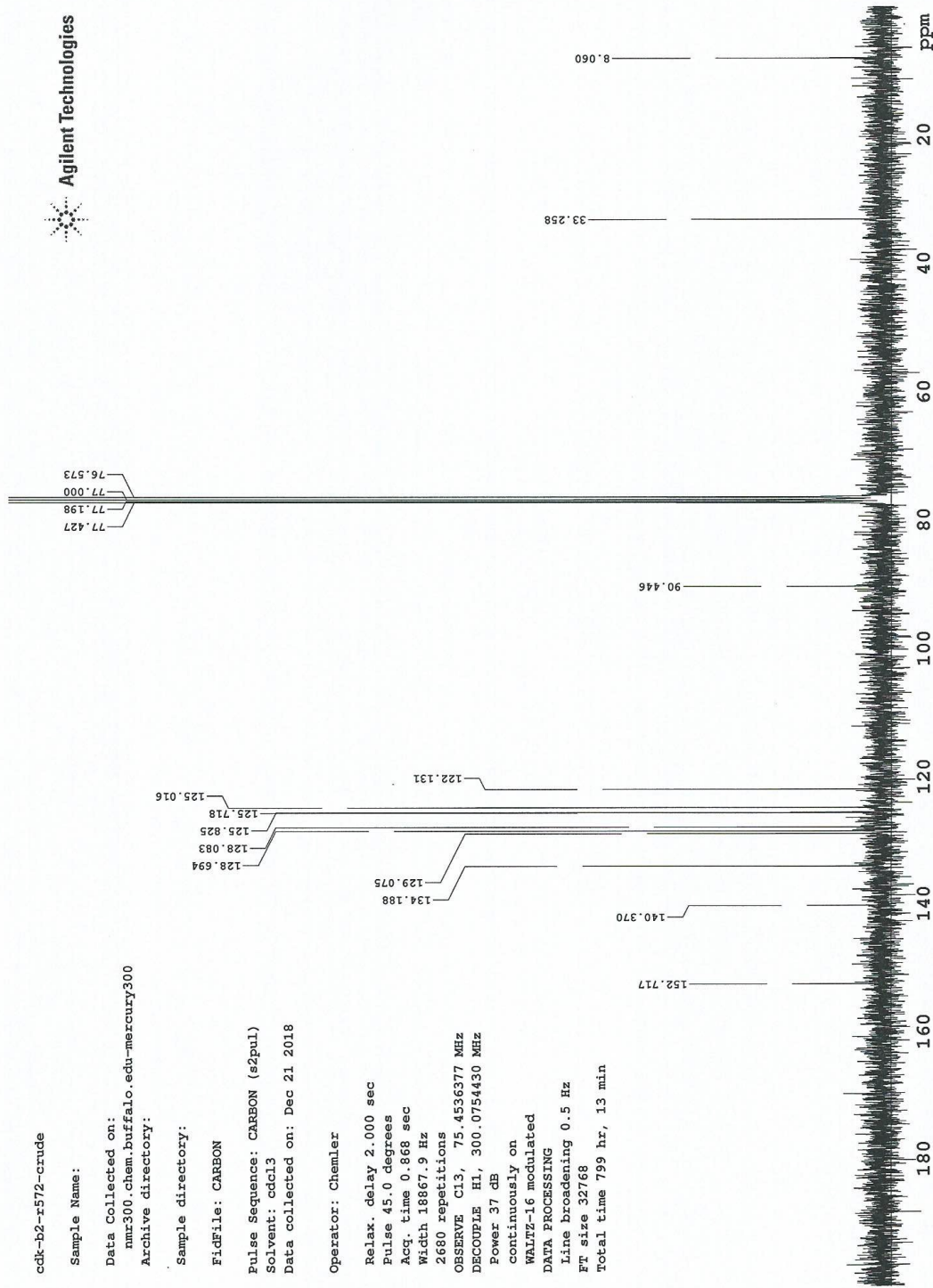
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Dec 21 2018

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
2680 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 799 hr, 13 min



b6-R-____LDA-isobutyrate-prd-isomer-2-chiral
 Selective band center: 3.51 (ppm); width: 44.1 (Hz)

Sample Name:

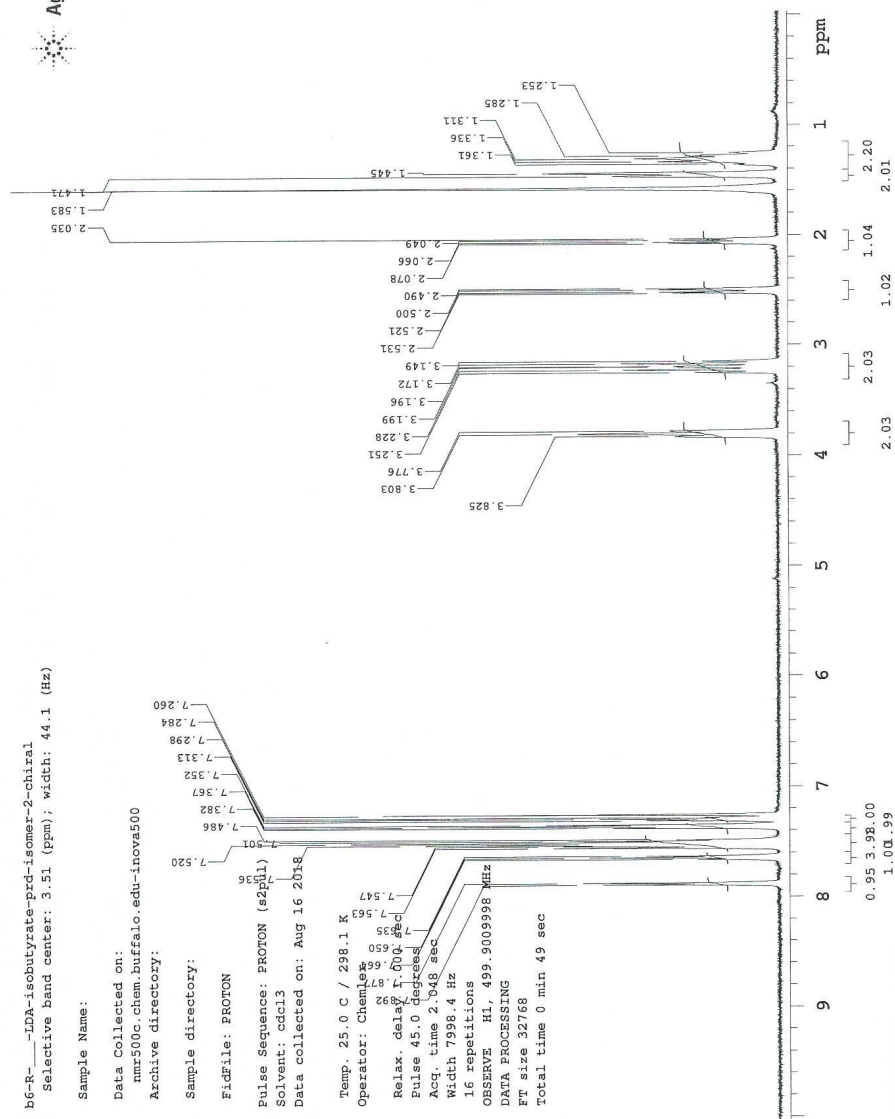
Data Collected on:
 nmr500c.chem.Buffalo.edu-inova500
 Archive directory:

Sample directory:
 F1File: PROTON

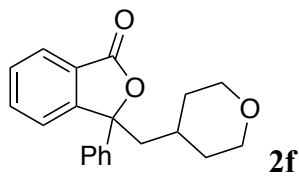
Pulse Sequence: PROTON (s2b1)
 Solvent: cdcl3
 Data collected on: Aug 16 2018

Temp. 25.0 C / 298.1 K
 Operator: Chemist
 Relax. delay 1.00 sec
 Pulse 45.0 degrees
 Acq. time 2.048 sec
 Width 7998.4 Hz
 16 repetitions
 OBSERVE H1, 499.900998 MHz
 DATA PROCESSING
 FT size 32768
 Total time 0 min 49 sec

7.520
 7.501
 7.486
 7.382
 7.367
 7.352
 7.313
 7.298
 7.284
 7.260



Agilent Technologies



b6-R-____-IDA-isobutyrate-prd-isomer-2-chiral
Selective band center: 3.51 (ppm); width: 44.1 (Hz)

Sample Name:

Data Collected on:
nmr500c.chem.buffalo.edu-inova500
Archive directory:

Sample directory:

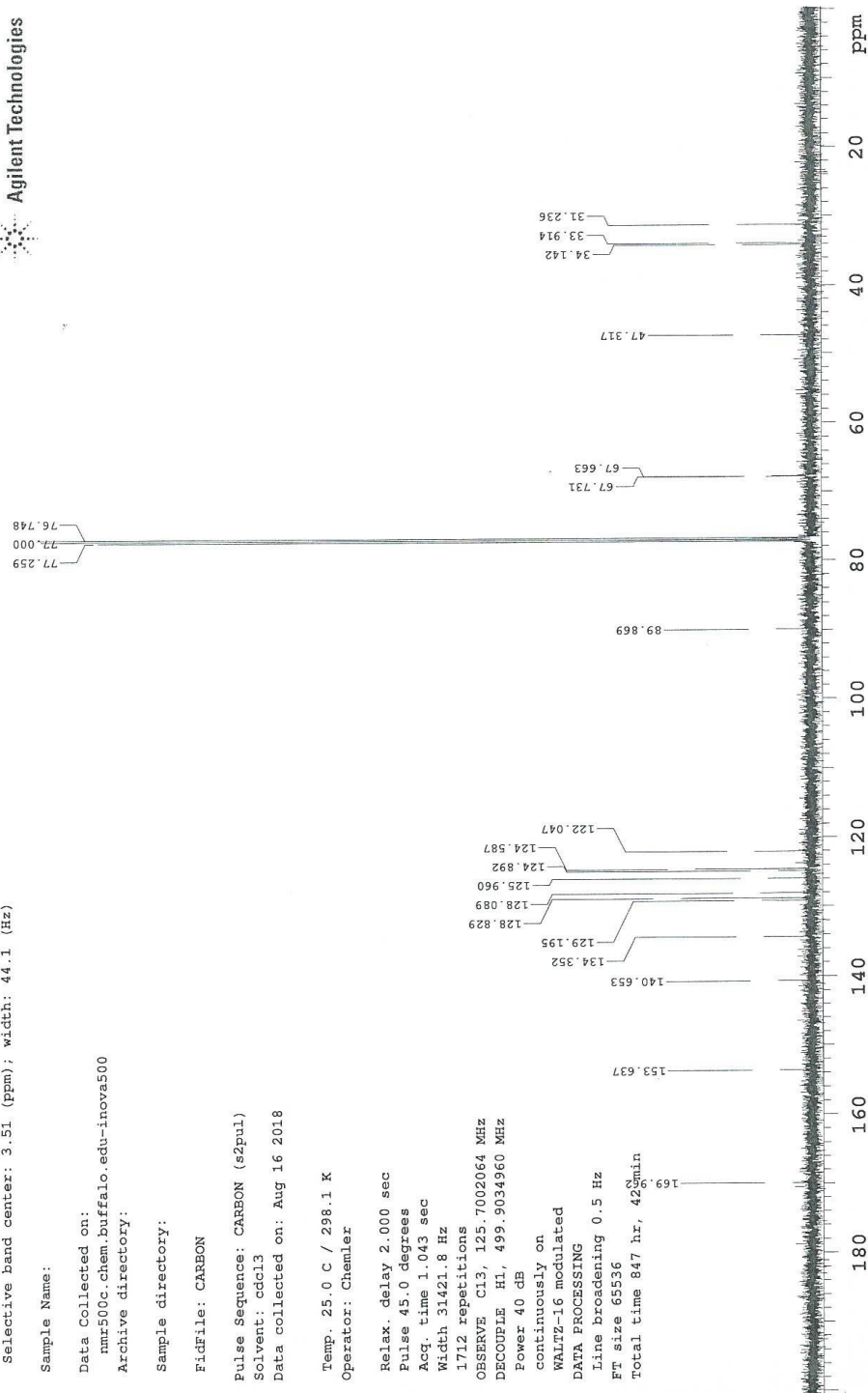
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 16 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31421.8 Hz
1712 repetitions

OBSERVE C13, 125.7002064 MHz
DECOUPLE H1, 499.9034960 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 847 hr, 42⁵⁵min



SG_B2_P110_SM

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inoxa400

Archive directory:

Sample directory:

File: PROTON

Pulse Sequence: PROTON (s2pul)

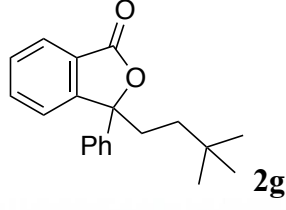
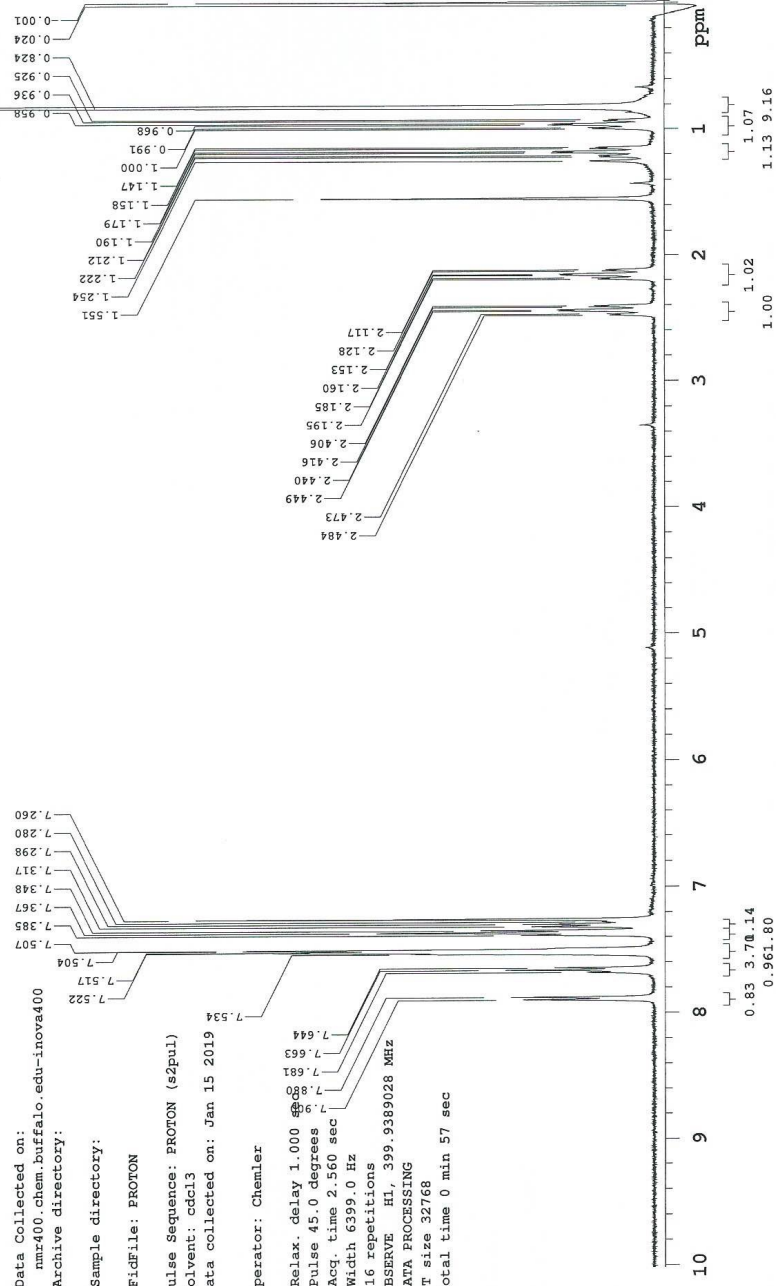
Solvent: cdcl3

Data collected on: Jan 15 2019

Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions
OBSERVE H1, 399.9389028 MHz
DATA PROCESSING
Ft size 32768
Total time 0 min 57 sec

Agilent Technologies



11-262 - crude

Sample Name:

Data Collected on:
nmr-400.chem.buffalo.edu-inova400
Archive directory:

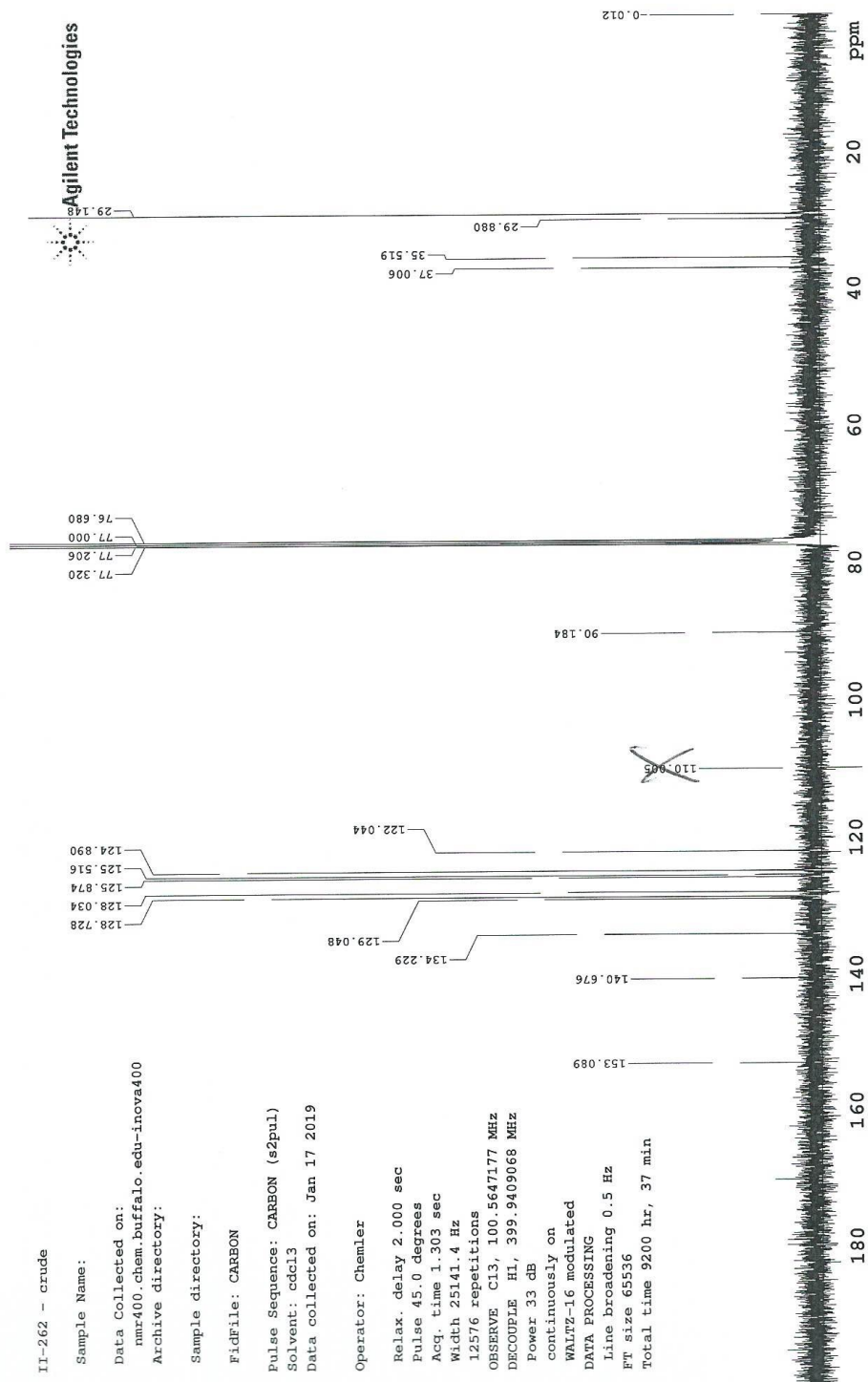
Sample directory:

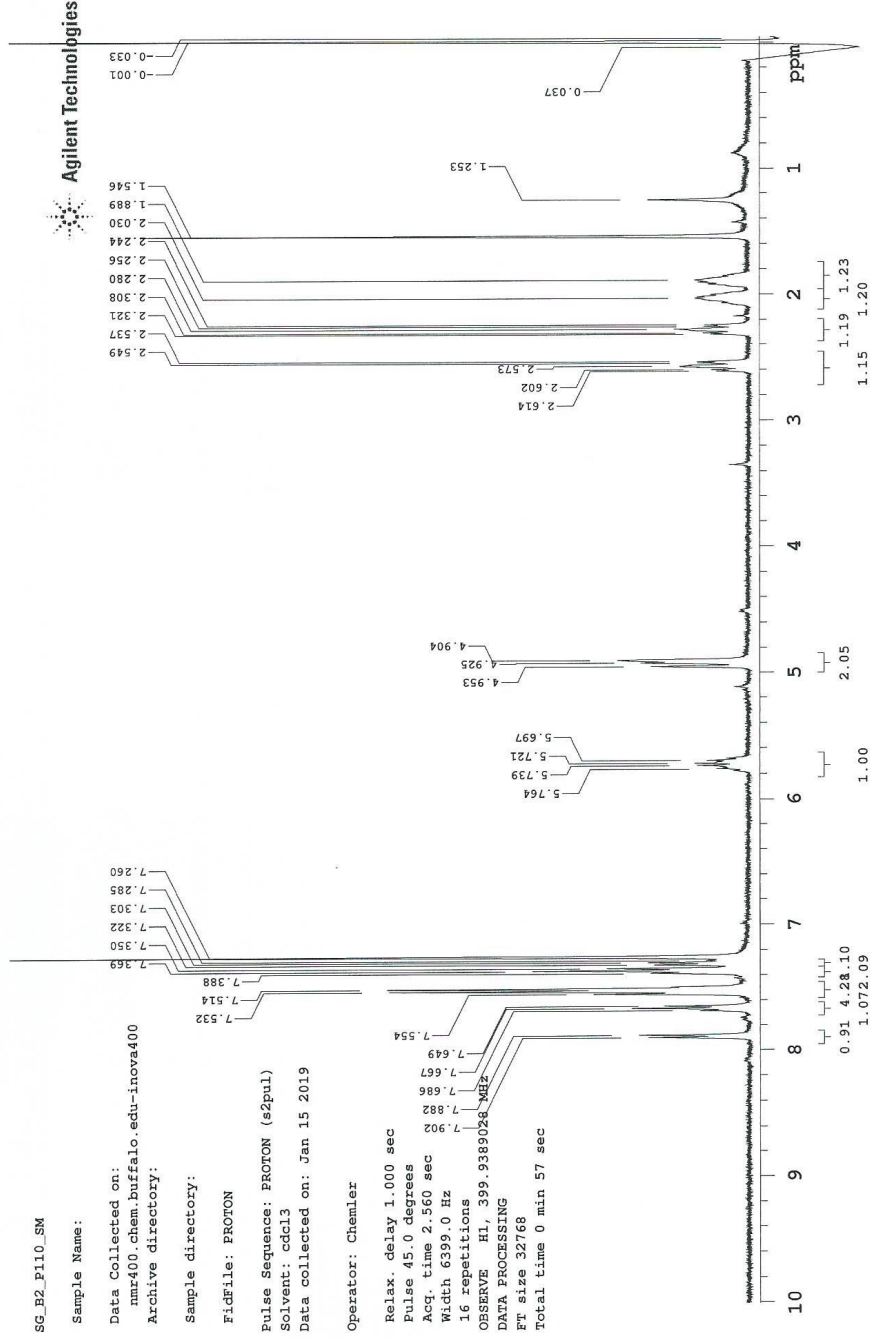
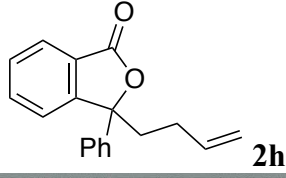
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 17 2019

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
12576 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 9200 hr, 37 min





ASB-B____benzothiazolesubstrate-achiral-crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

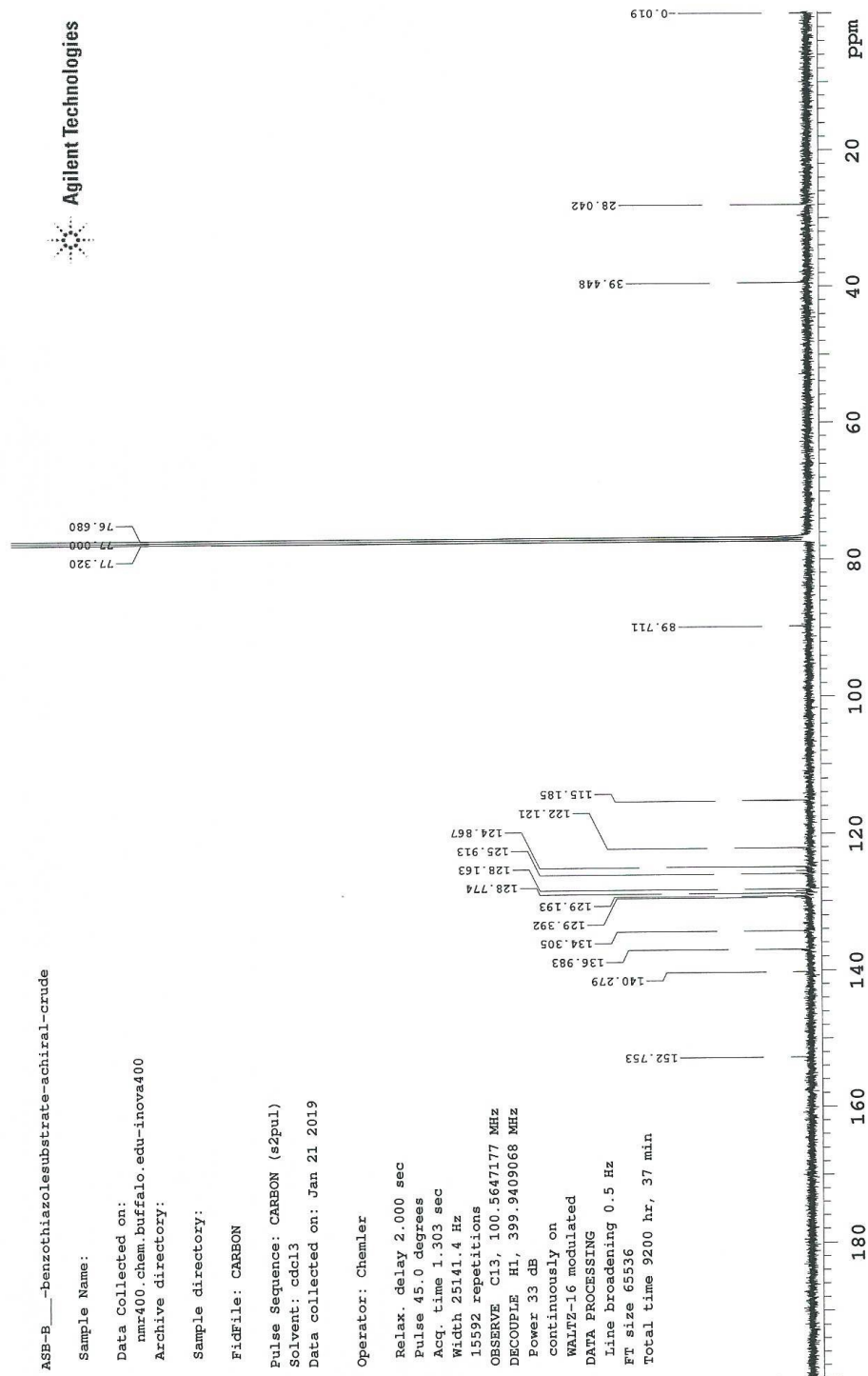
File: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3
Data collected on: Jan 21 2019

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
15592 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 9200 hr, 37 min



SG_B2_P110_SM

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu

Archive directory:

Sample directory:

FidFile: 32768

Pulse Sequence: PROCN (s2pul)

Solvent: cdcl3

Data collected on: Jan 14 2019

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

16 repetitions

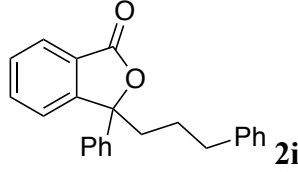
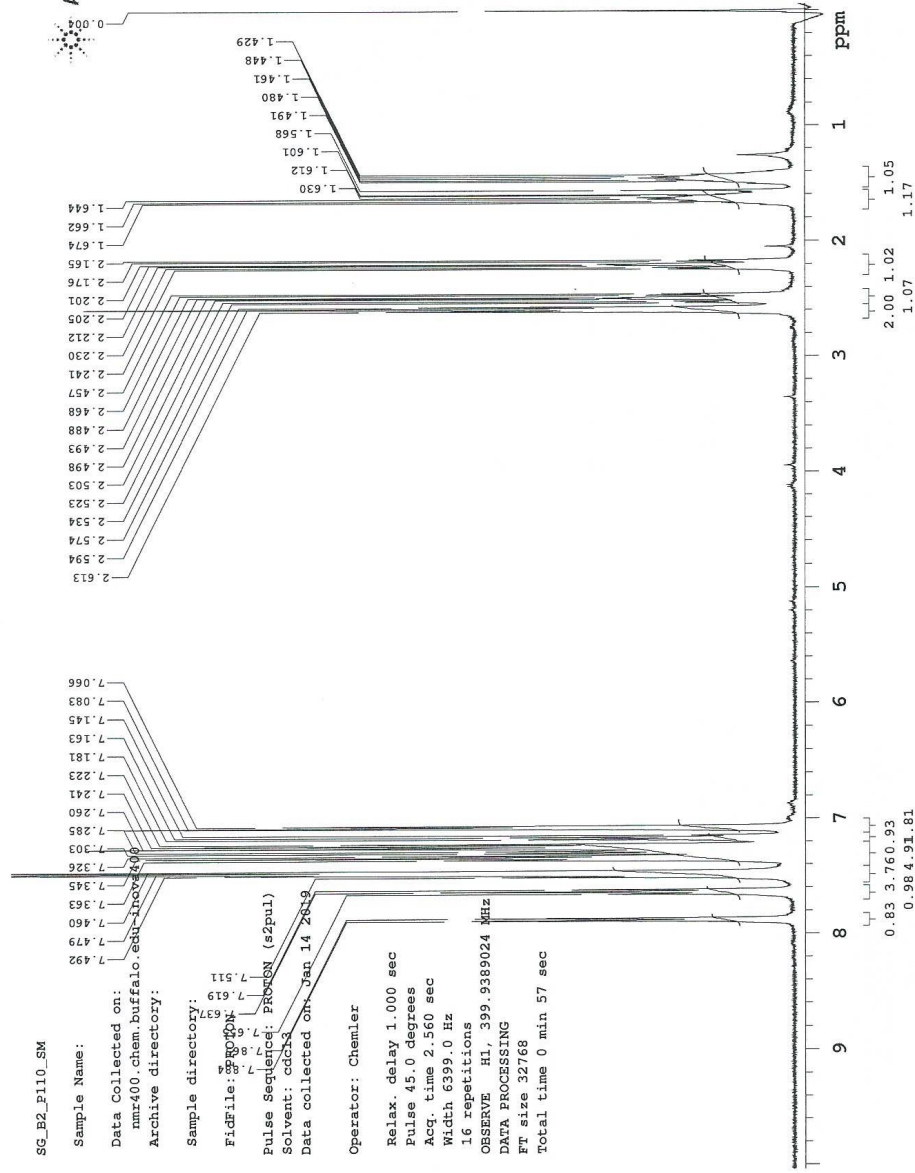
OBSERVE H1, 399.9389024 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 57 sec

Agilent Technologies



SG_B2_P110_SM

Sample Name:

Data Collected on:
nmr-400.chem.buffalo.edu-inova400
Archive directory:

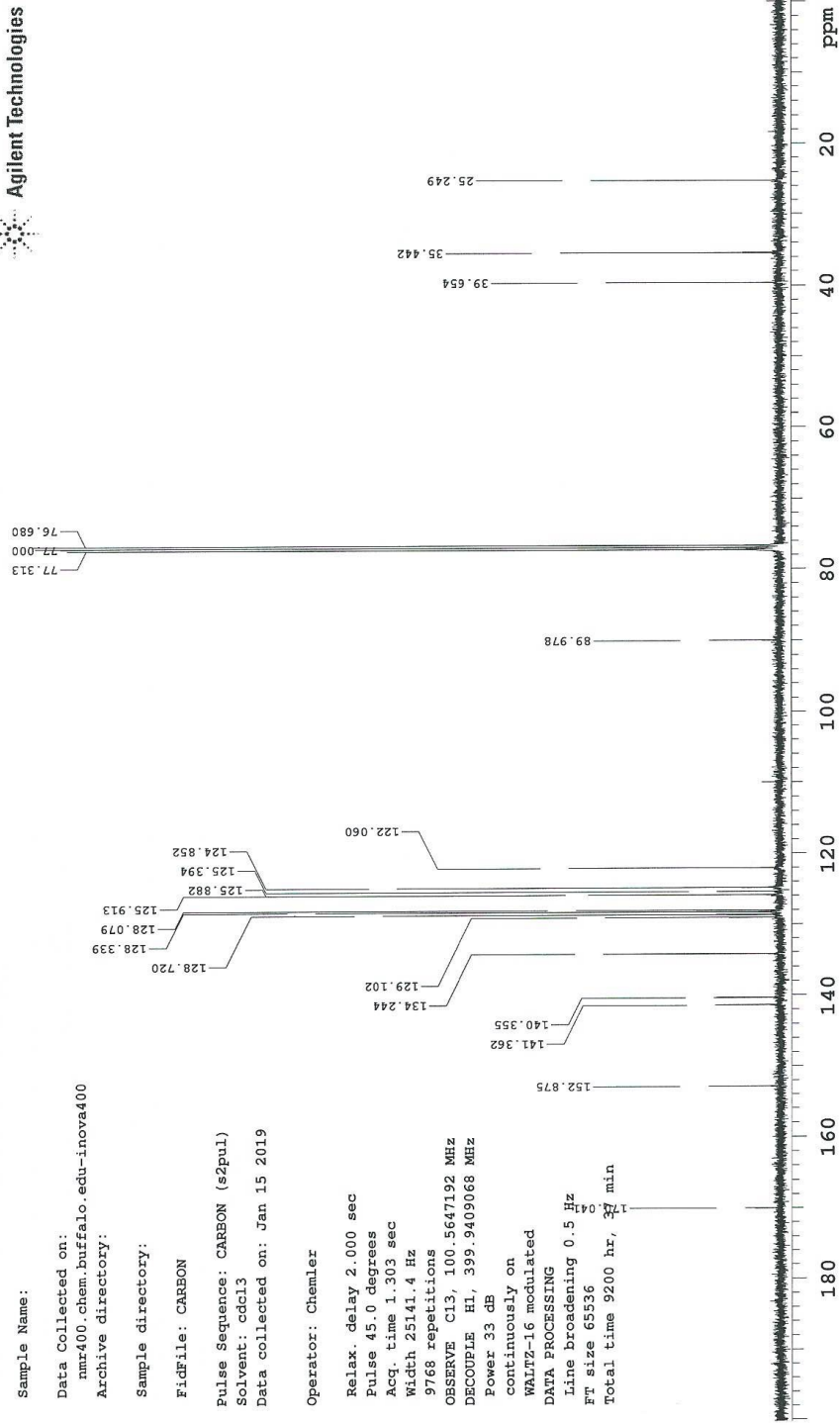
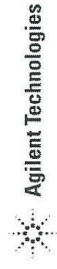
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdc13
Data collected on: Jan 15 2019

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
9768 repetitions
OBSERVE C13, 100.5647192 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 9200 hr, 34 min



SG_B2_P110_SM

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inov400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 15 2019

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 deg-90

Acq. time 2.580 sec

Width 6399.0 Hz

16 repetitions

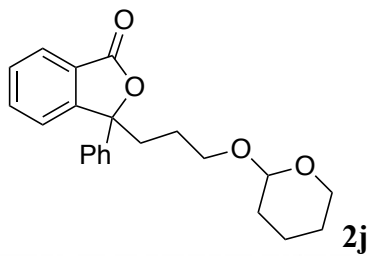
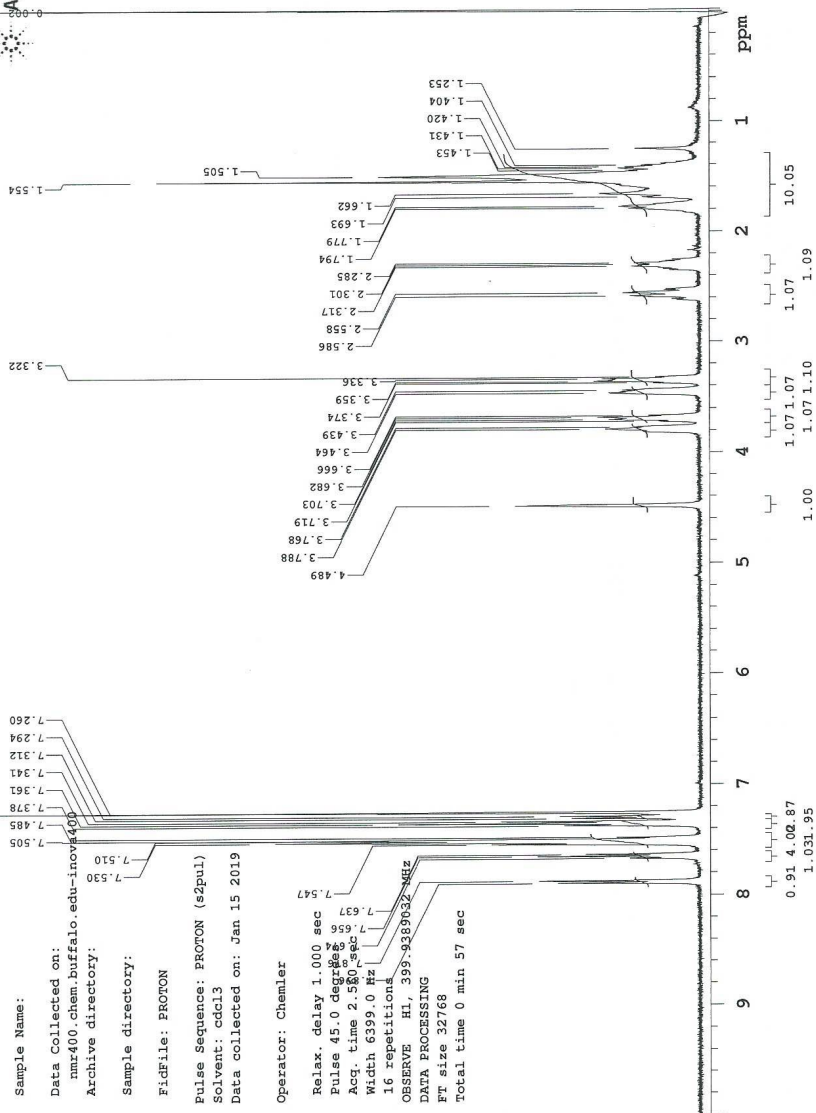
OBSERVE H1, 399.9389632 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 57 sec

Agilent Technologies



11-259 - f.42-48

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

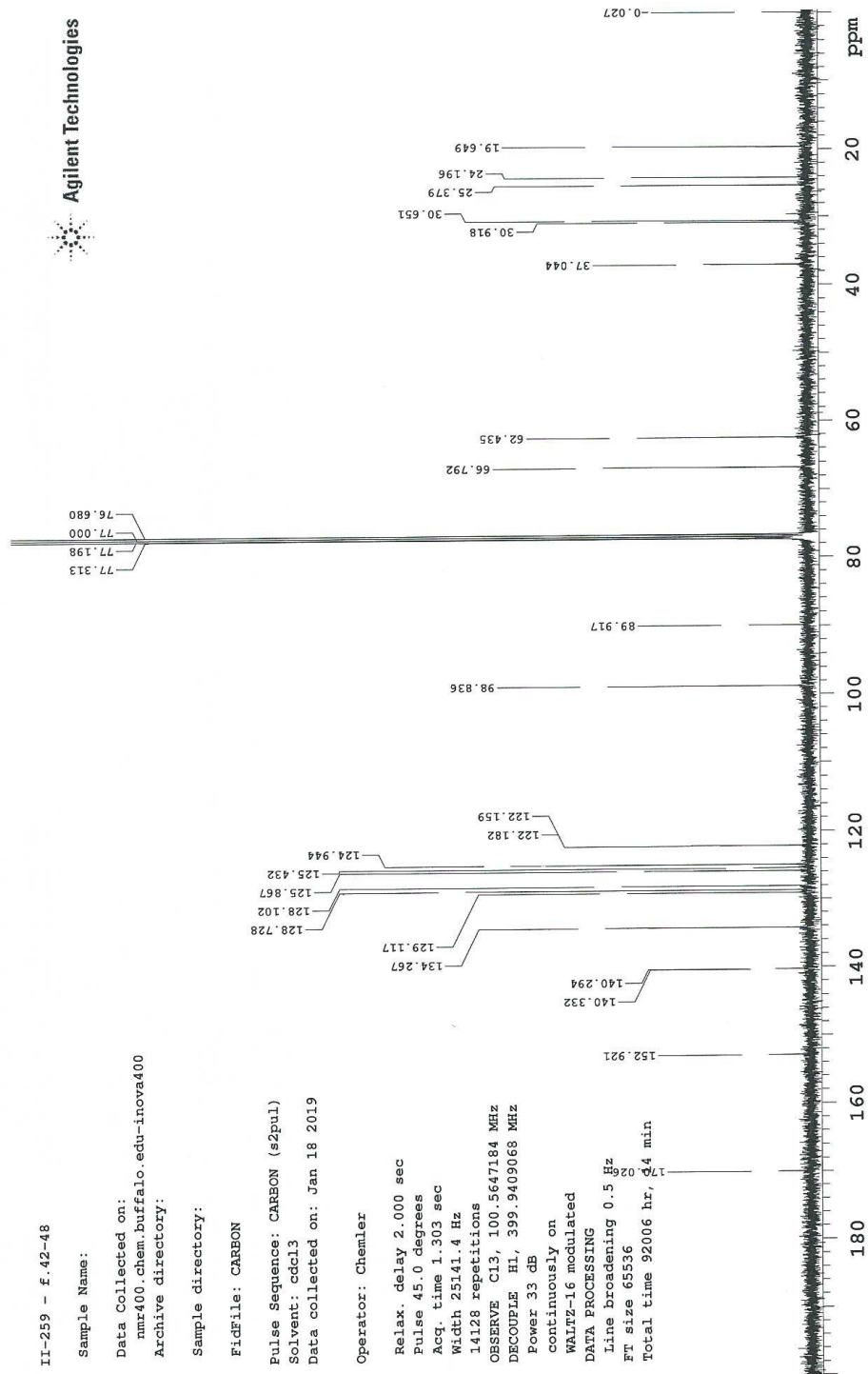
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdc13
Data collected on: Jan 18 2019

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
14128 repetitions
OBSERVE C13, 100.5647184 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 92006 hr, 44 min



cdk-b2-r585-spot2

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 14 2019

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

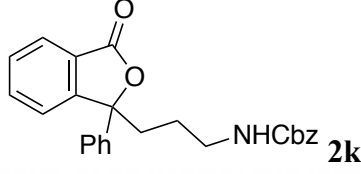
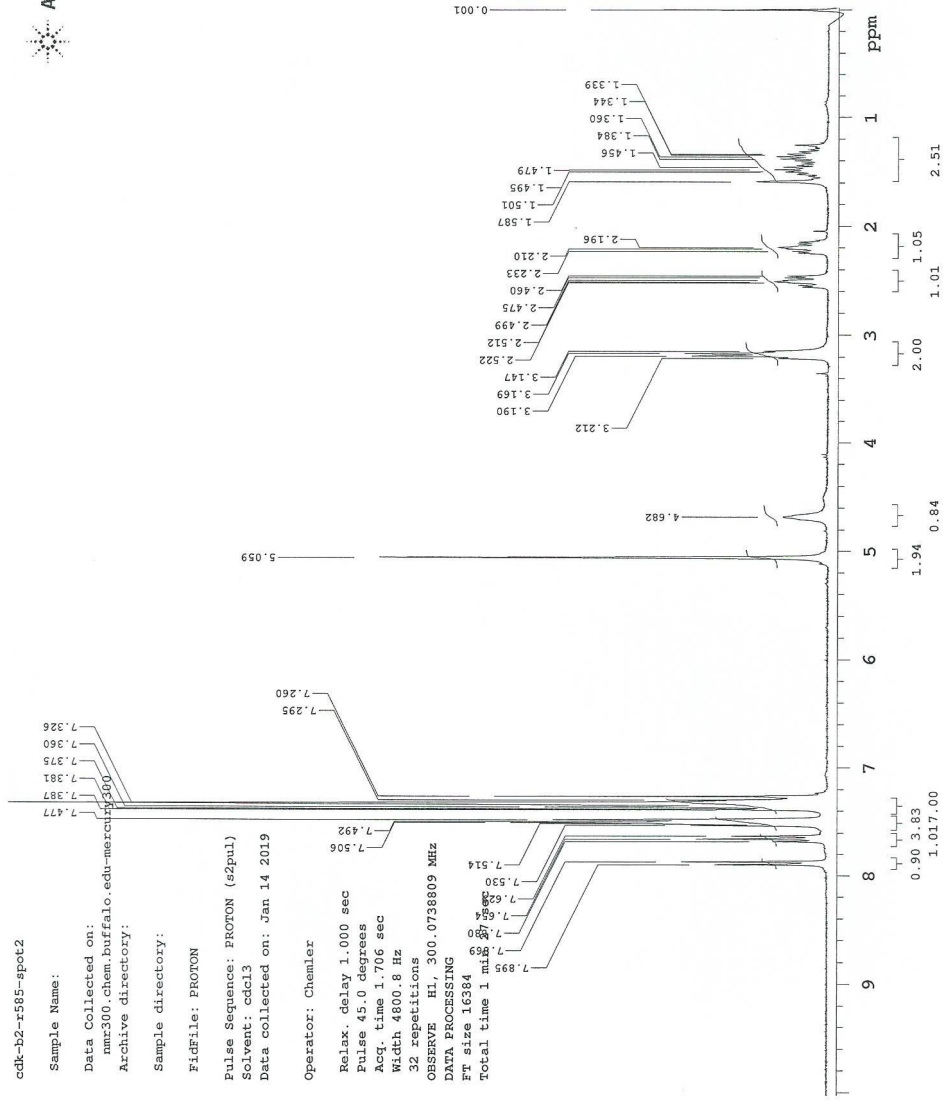
32 repetitions

OBSERVE H1, 300.0738809 MHz

DATA PROCESSING

FT size 16384

Total time 1 min



ASB-B-TTAFdeprotected-Benzothiazolodiol

Sample Name:

Data Collected on:

nmr300.Chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jan 15 2019

Operator: Chemler

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 0.868 sec

Width 18867.9 Hz

11152 repetitions

OBSERVE C13, 75.4536377 MHz

DECOUPLE H1, 300.0754430 MHz

Power 37 dB

continuously on

WALTZ-16 modulated

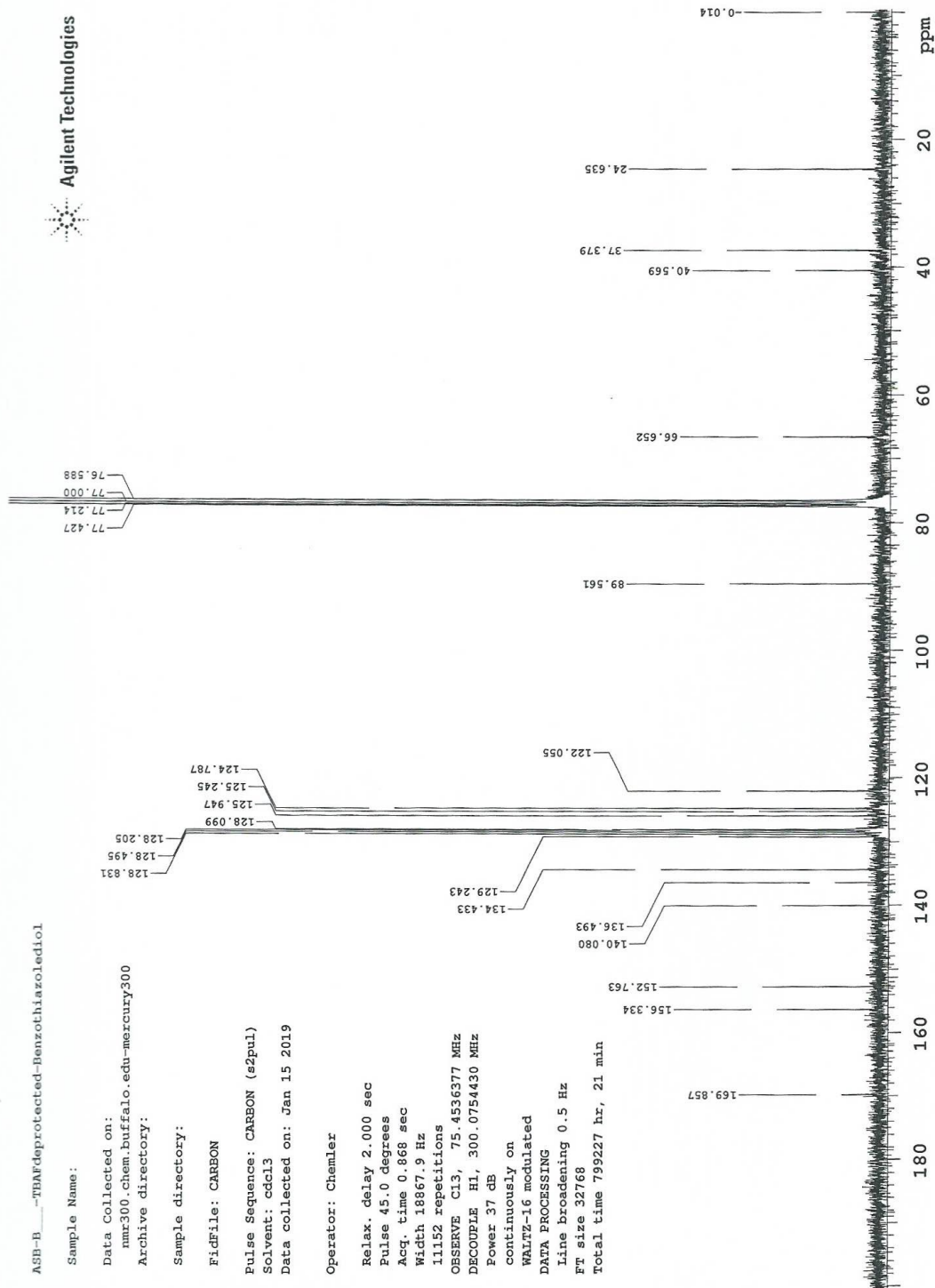
DATA PROCESSING

Line broadening 0.5 Hz

Ft size 32768

Total time 799227 hr, 21 min

Agilent Technologies



ib2_271_crude

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Mar 10 2019

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

16 repetitions

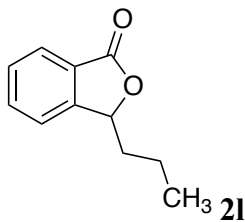
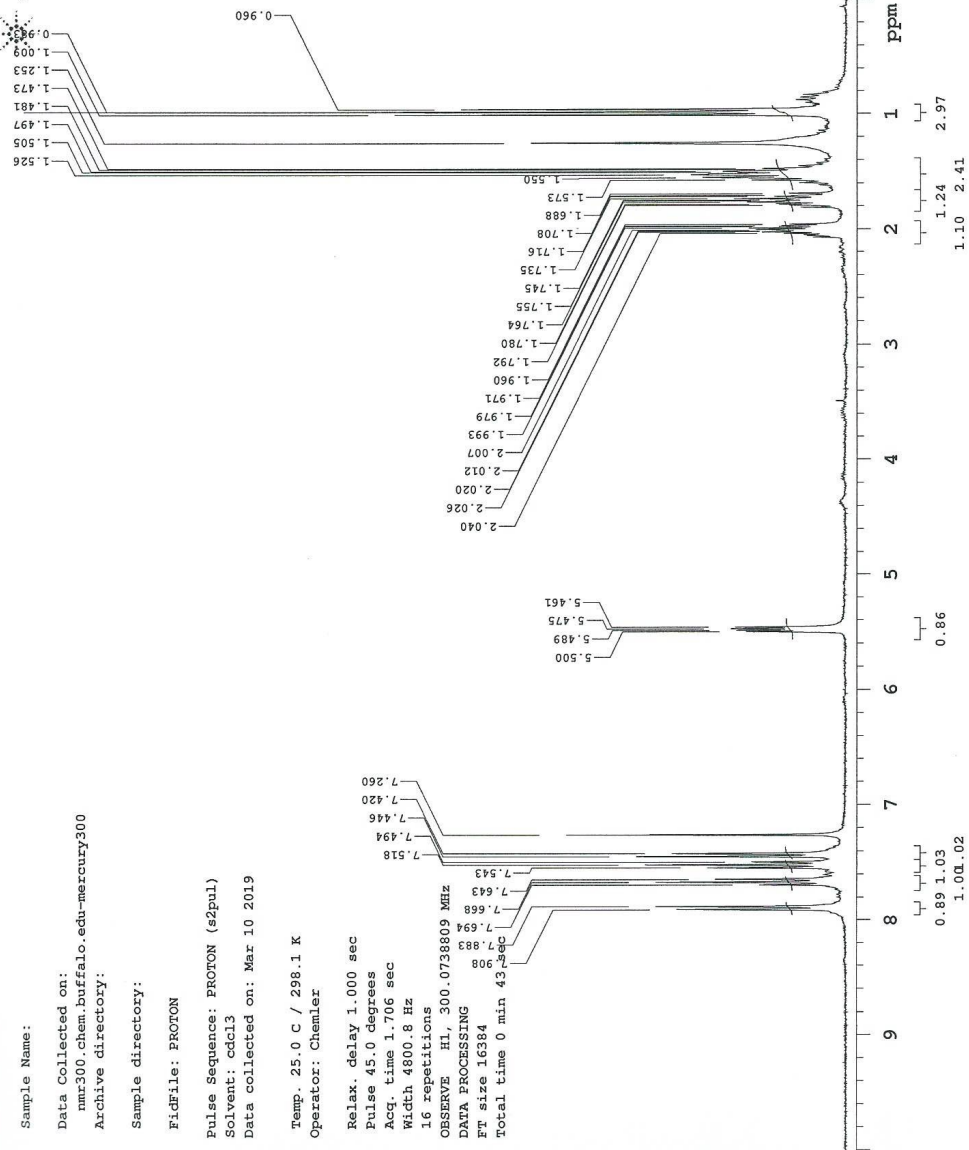
OBSERVE HL, 300.073809 MHz

DATA PROCESSING

FT size 16384

Total time 0 min 43.7 sec

Agilent Technologies



ib2_271_crude

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

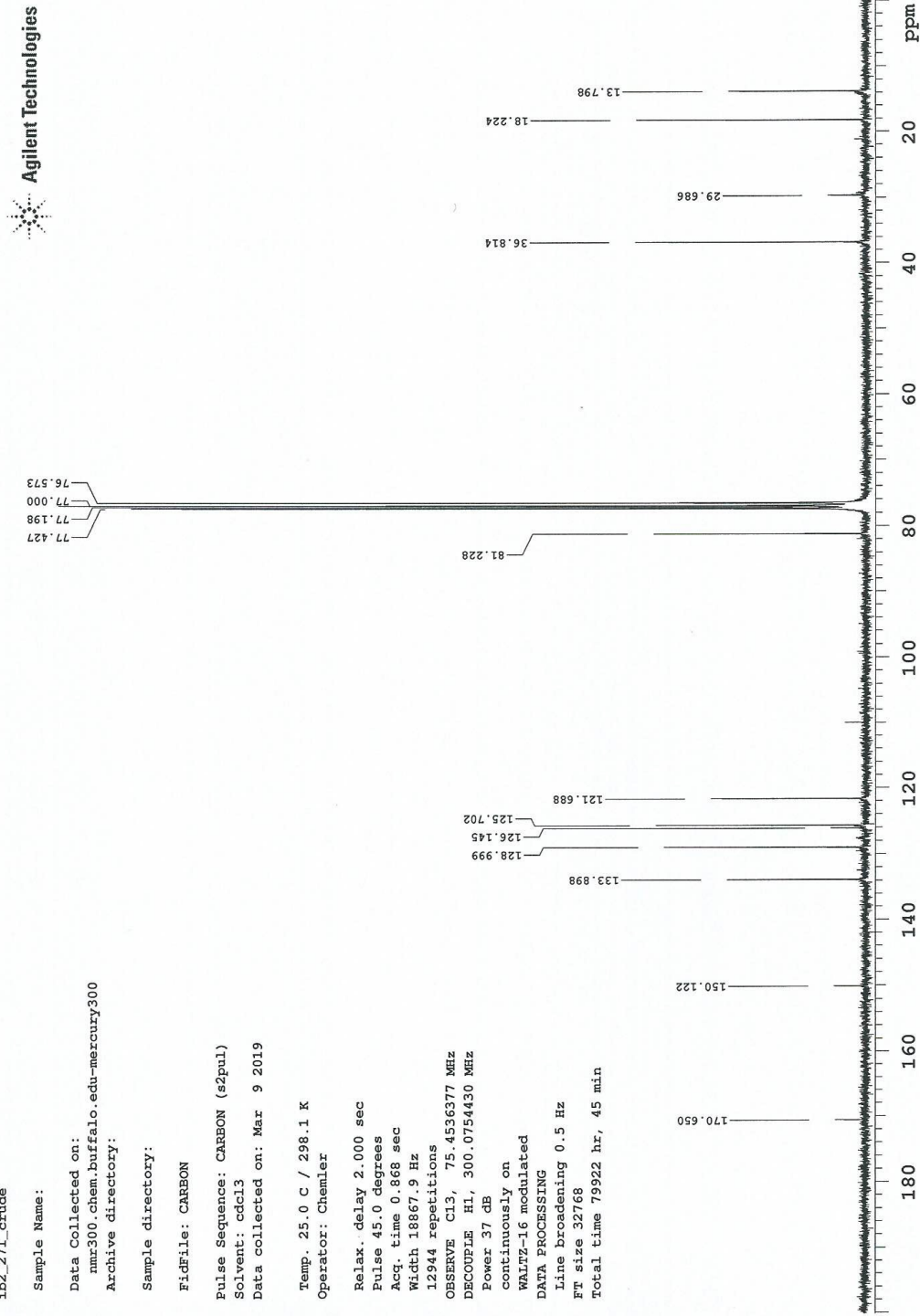
Sample directory:

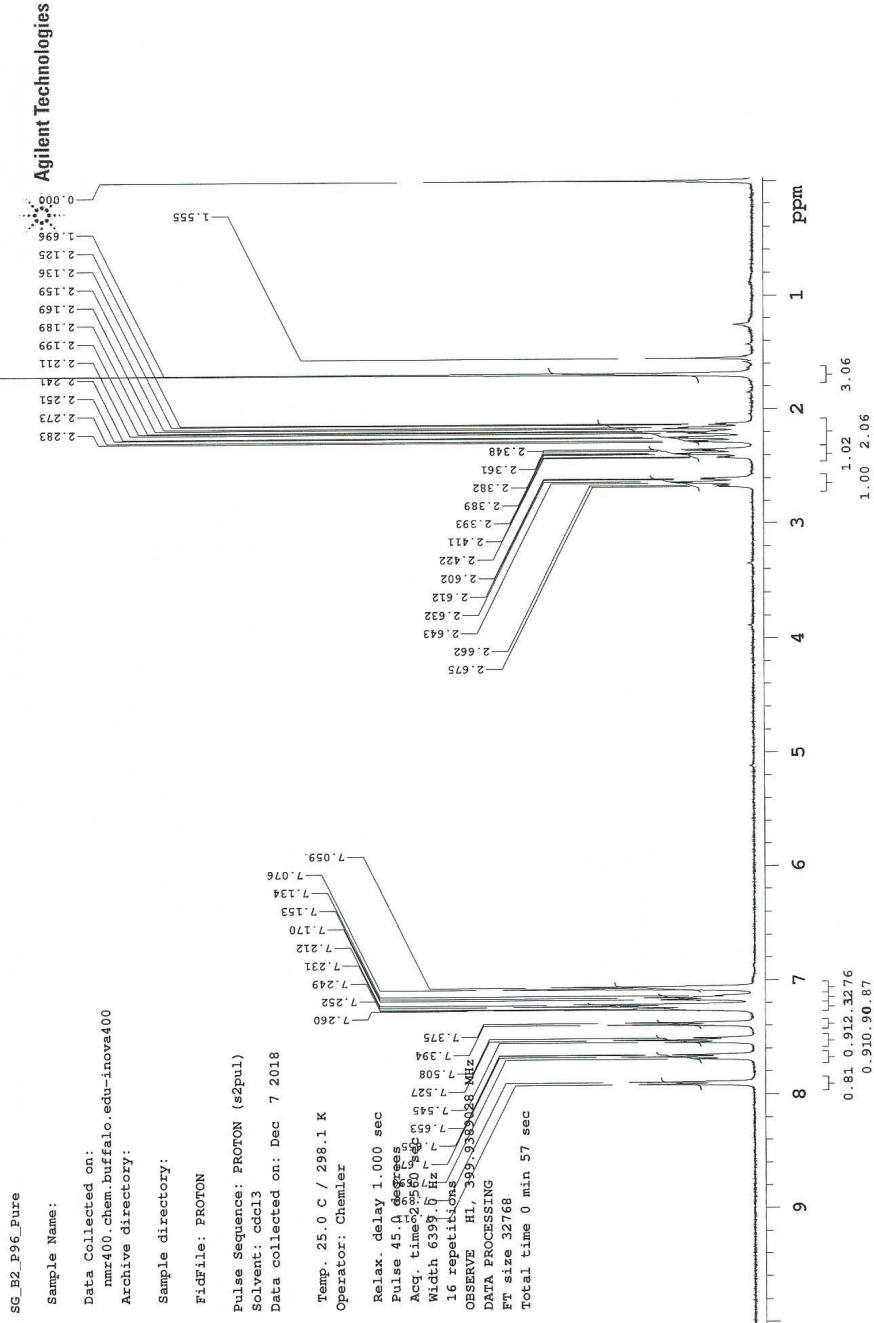
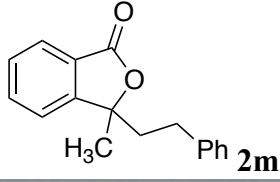
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 9 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
12944 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 79922 hr, 45 min





SG_B2_P36_Pure

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Dec 7 2018

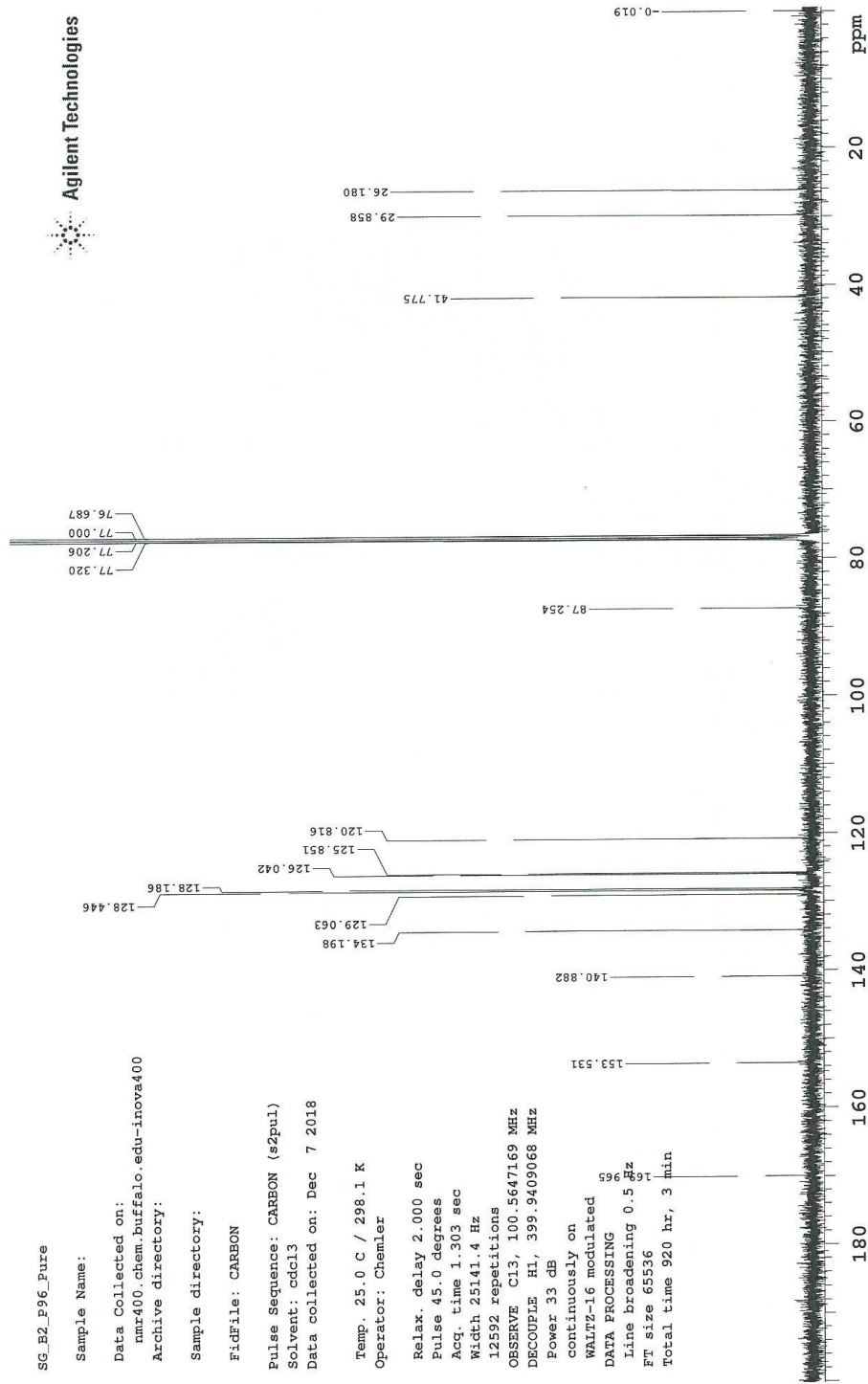
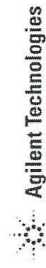
Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
12592 repetitions

OBSERVE C13, 100.5647169 MHz
DECOUPLE H1, 399.9409068 MHz

Power 33 dB
continuously on

WALTZ-16 modulated
DATA PROCESSING
965
Line broadening 0.5 Hz
FT size 65536
Total time 920 hr, 3 min



JE_2_4_crude

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova100

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2Pul)

Solvent: cdcl3

Data collected on: Jul 10 2018

Temp. 25.0 C / 298.1 K

Operator: Chenler

Relax. delay 4.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

64 repetitions

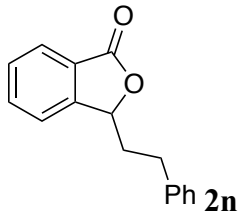
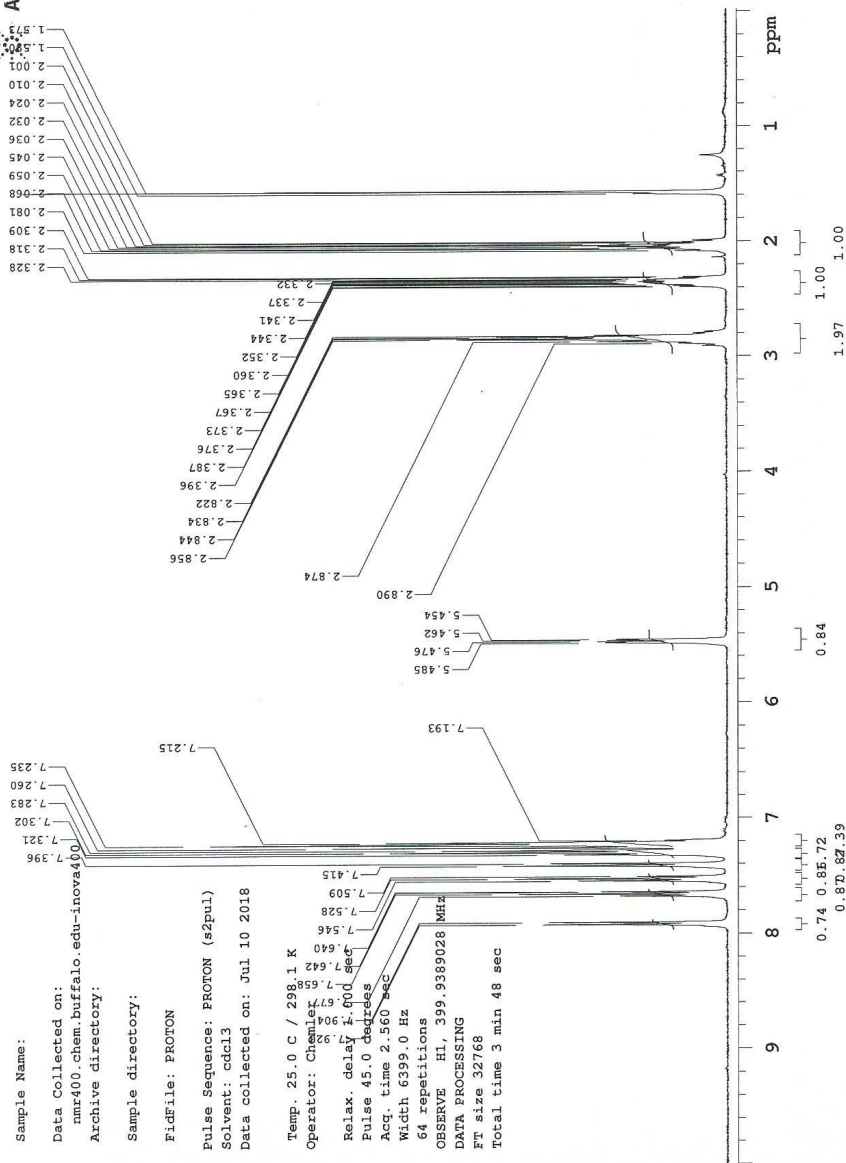
OBSERVE #1, 399.9389028 MHz

DATA PROCESSING

FT size 32768

Total time 3 min 48 sec

Agilent Technologies



ASB-B____spot2-eliminationgroupttransfer

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Aug 12 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 1.303 sec

Width 25141.4 Hz

4024 repetitions

OBSERVE C13, 100.5647169 MHz

DECOUPLE H1, 399.9409068 MHz

Power 33 dB

continuously on

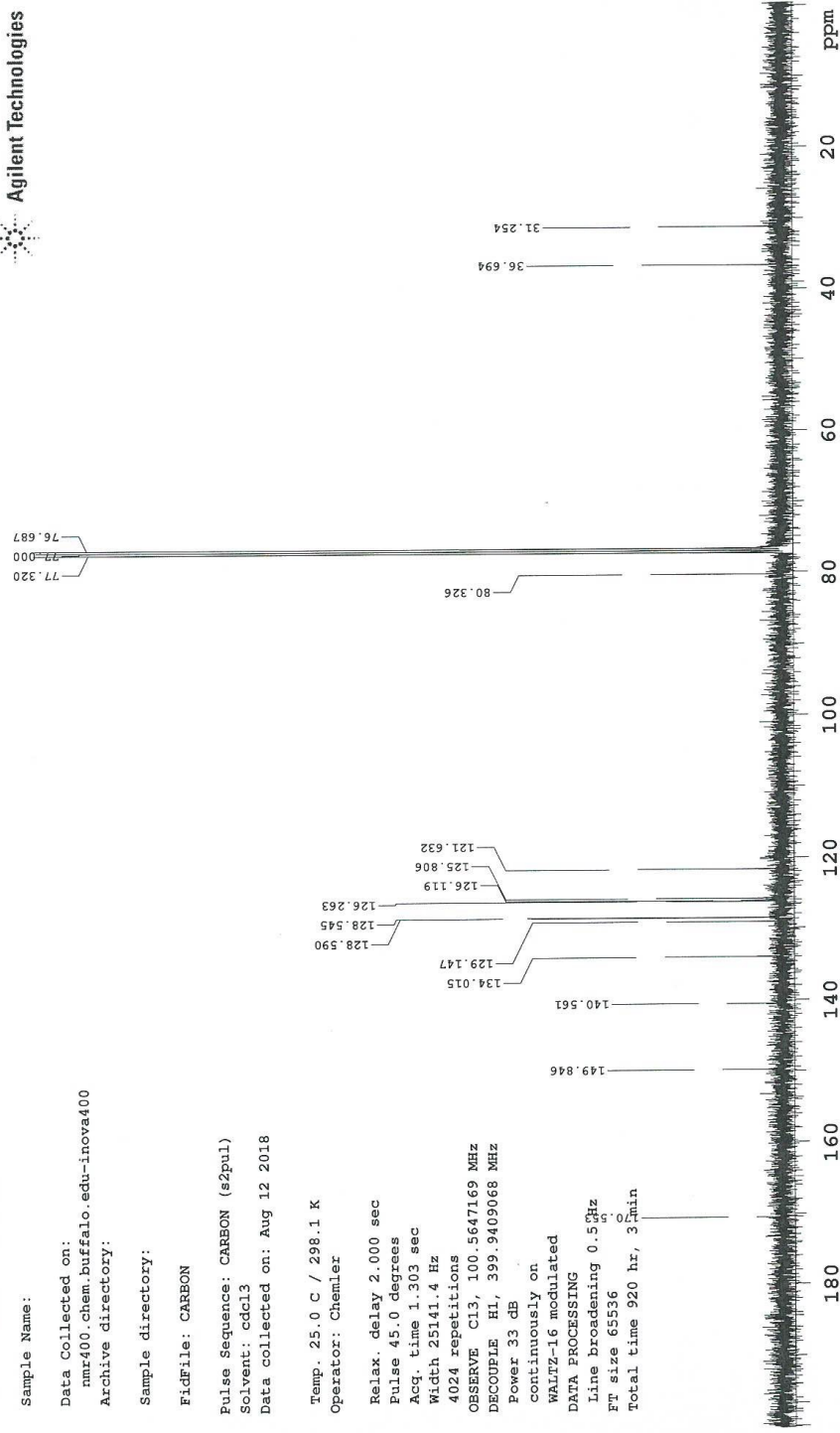
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 920 hr, 3 min



11-274 - SM

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

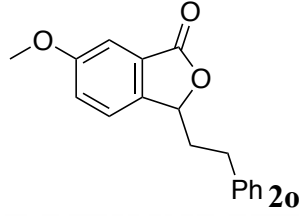
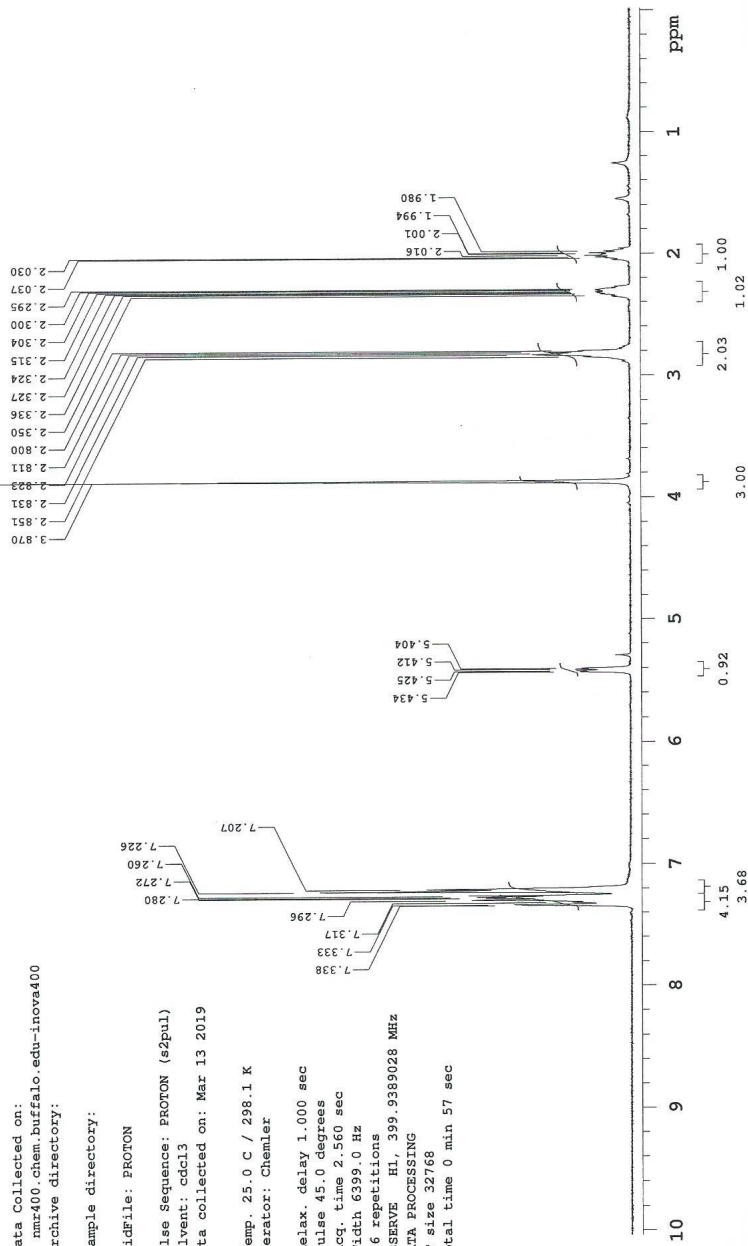
Sample directory:

Fidfile: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Mar 13 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions
OBSERVE H1, 399.9389028 MHz
DATA PROCESSING
Ft size 32768
Total time 0 min 57 sec



cdk-

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

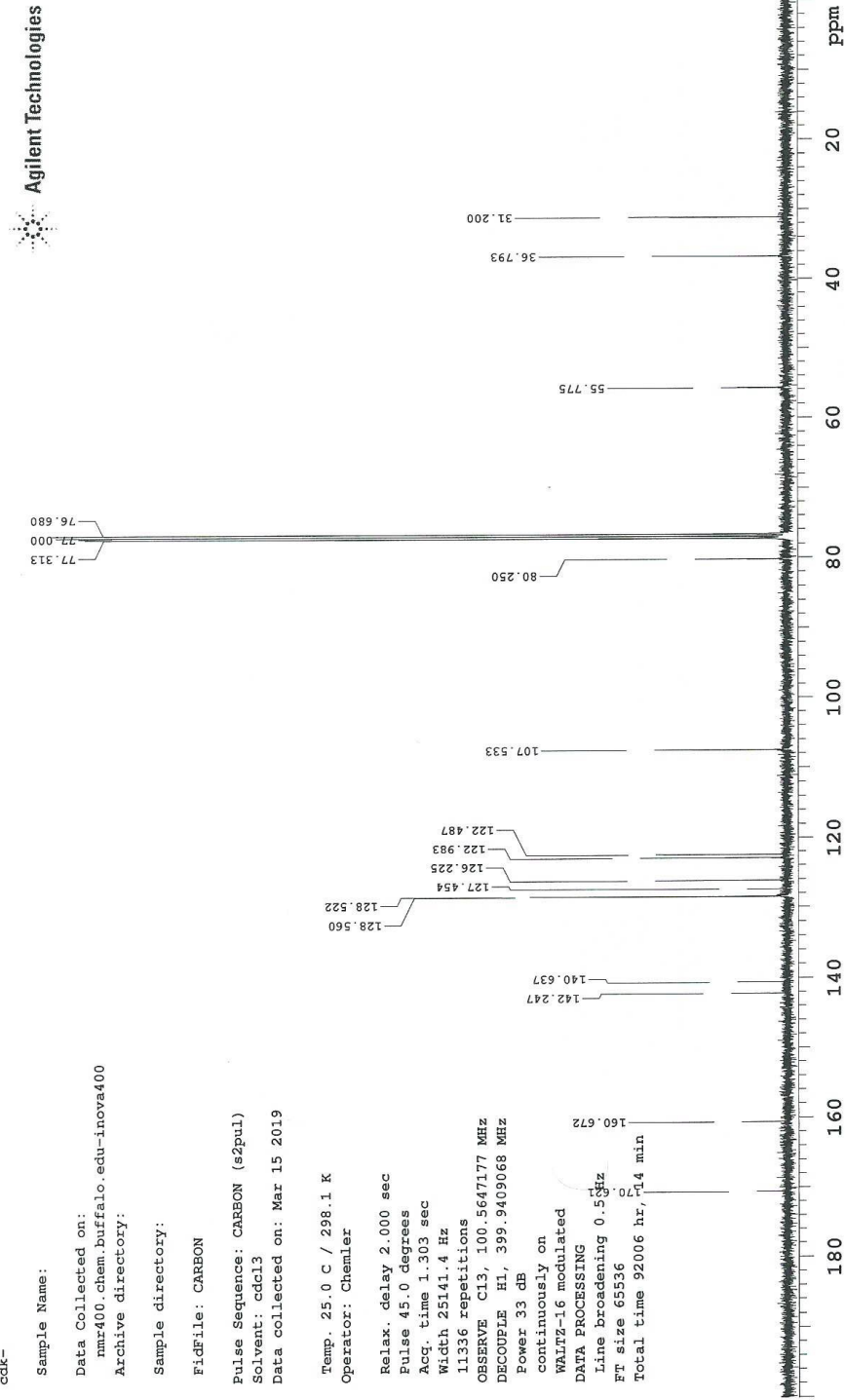
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul1)
Solvent: cdc13
Data collected on: Mar 15 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
11336 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 92006 hr, 14 min



SB 100 filtrate_IPA

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu

Archive directory:

Sample directory:

FidFile: js_pg1798_HNMR

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 2 2018

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

16 repetitions

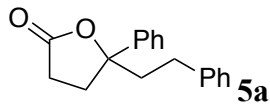
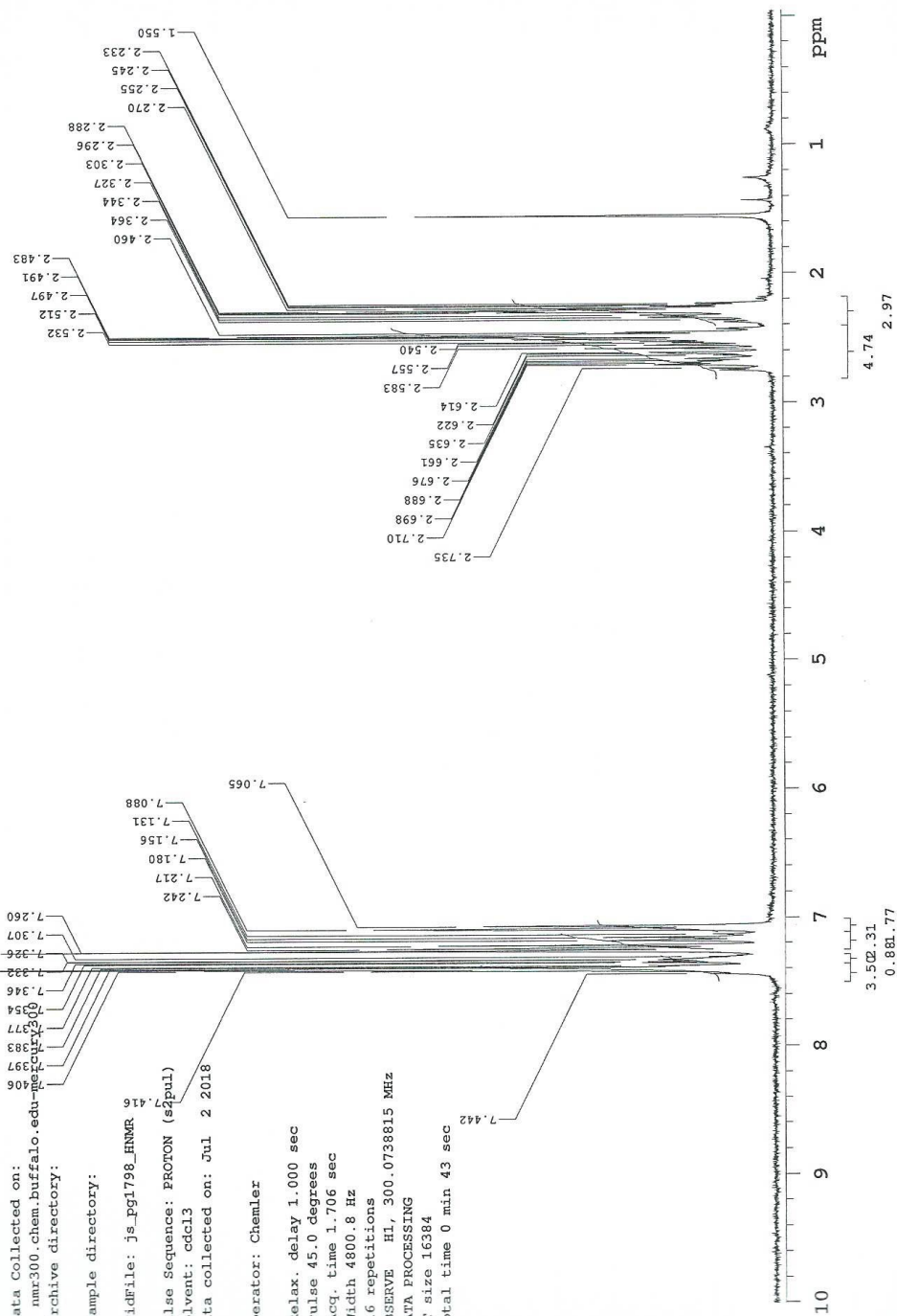
OBSERVE H1, 300.0738815 MHz

DATA PROCESSING

FT size 16384

Total time 0 min 43 sec

Agilent Technologies



SG_B2_F53_F30

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

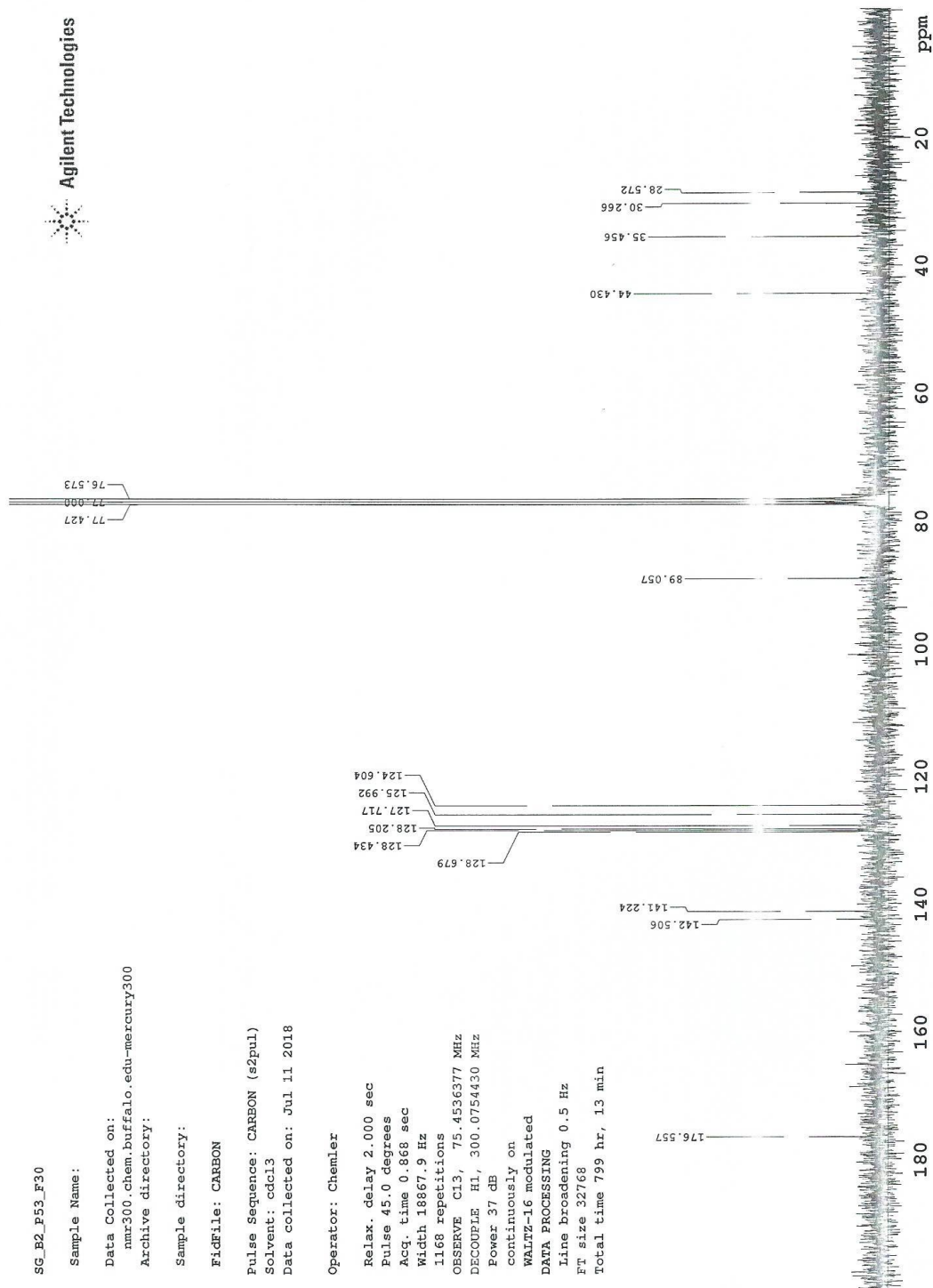
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 11 2018

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
1168 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 799 hr, 13 min



JE_2_65_crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: js_pg1990_preppedproduct_HNMR

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Nov 27 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

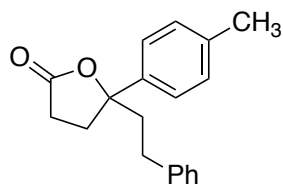
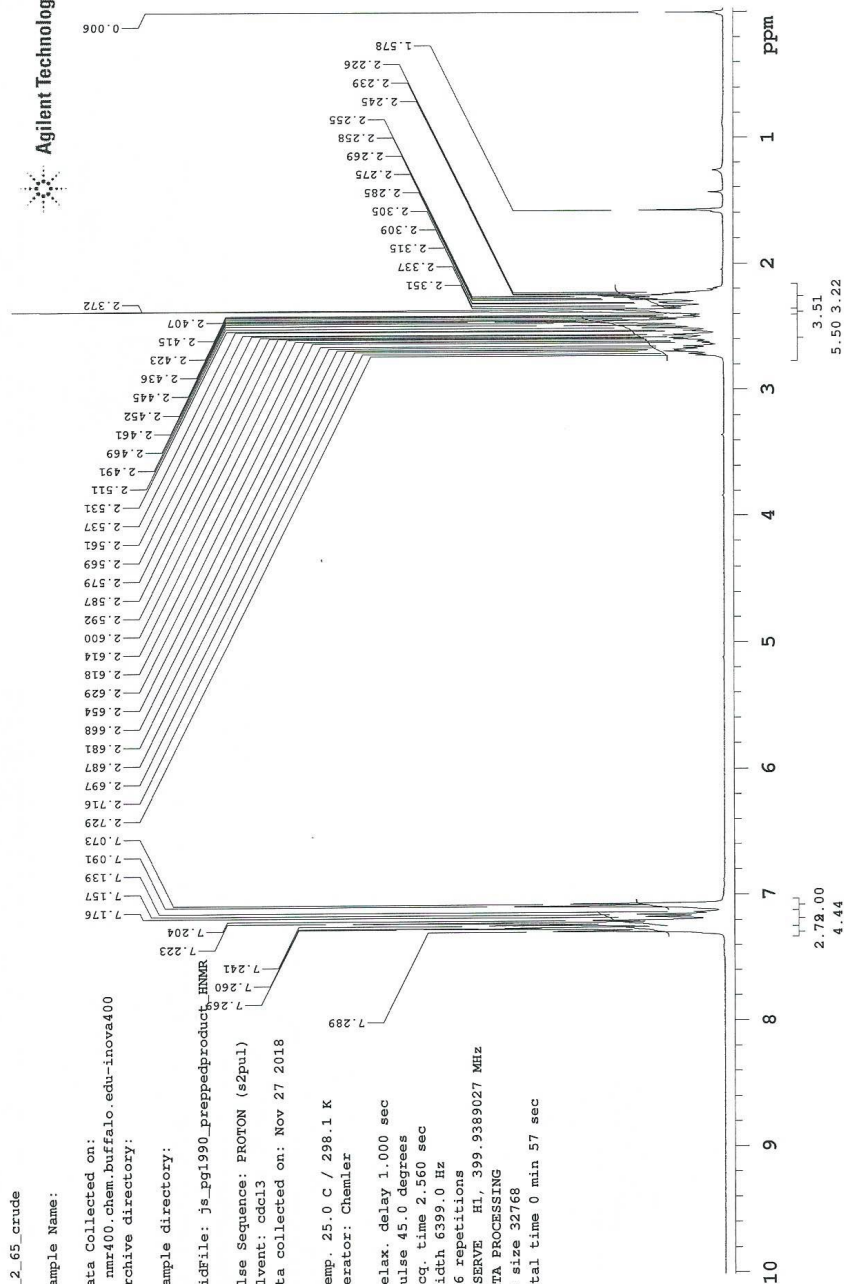
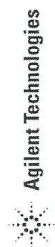
16 repetitions

OBSERVE H1, 399.9389027 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 57 sec



5b

JE_2_65_crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

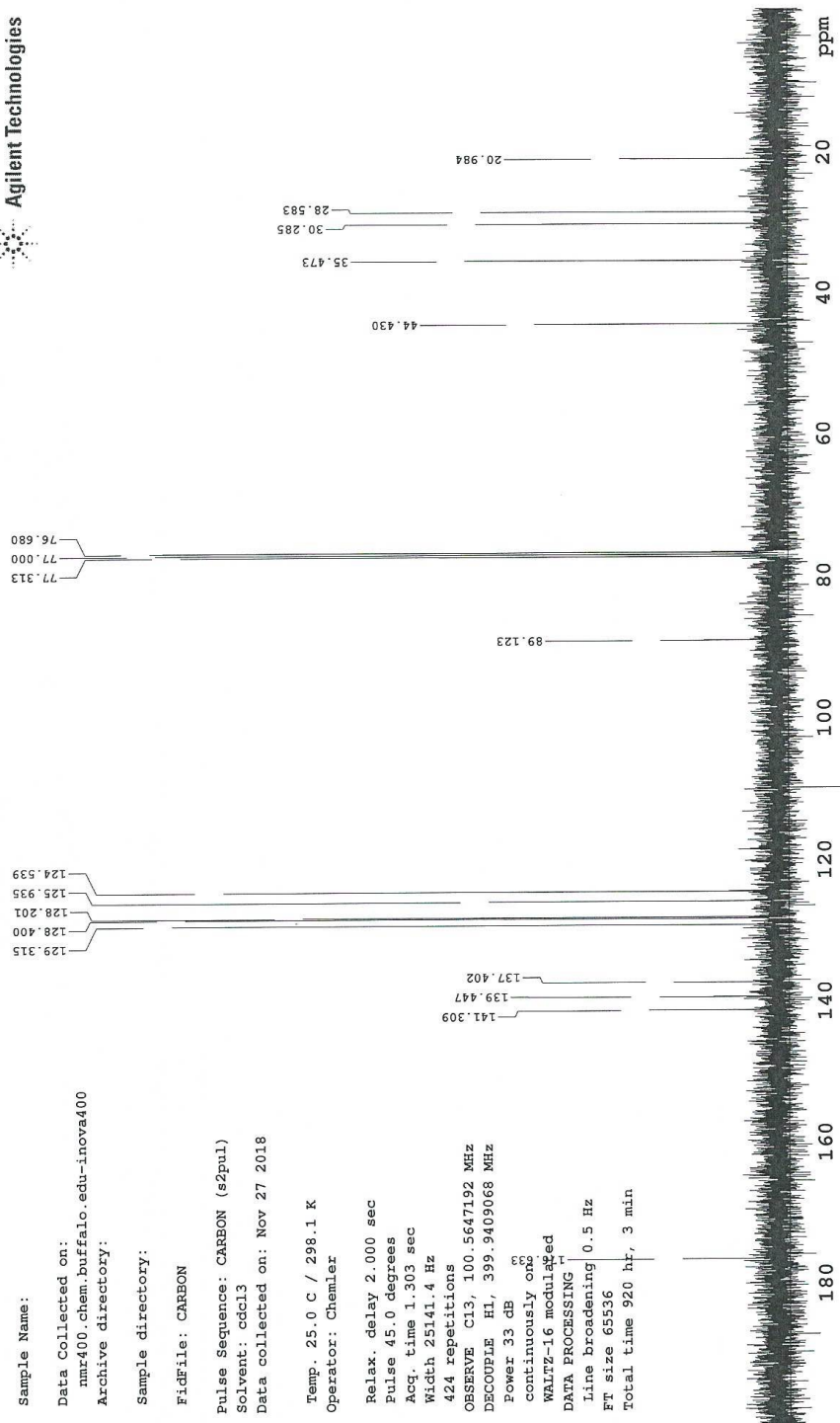
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 27 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
424 repetitions
OBSERVE C13, 100.5647192 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 920 hr, 3 min



cdk-bl-r42-product

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: js_pg1989_Preppeproduct_RNMR

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Nov 29 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

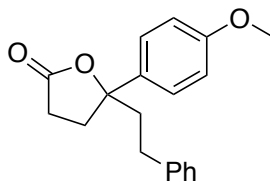
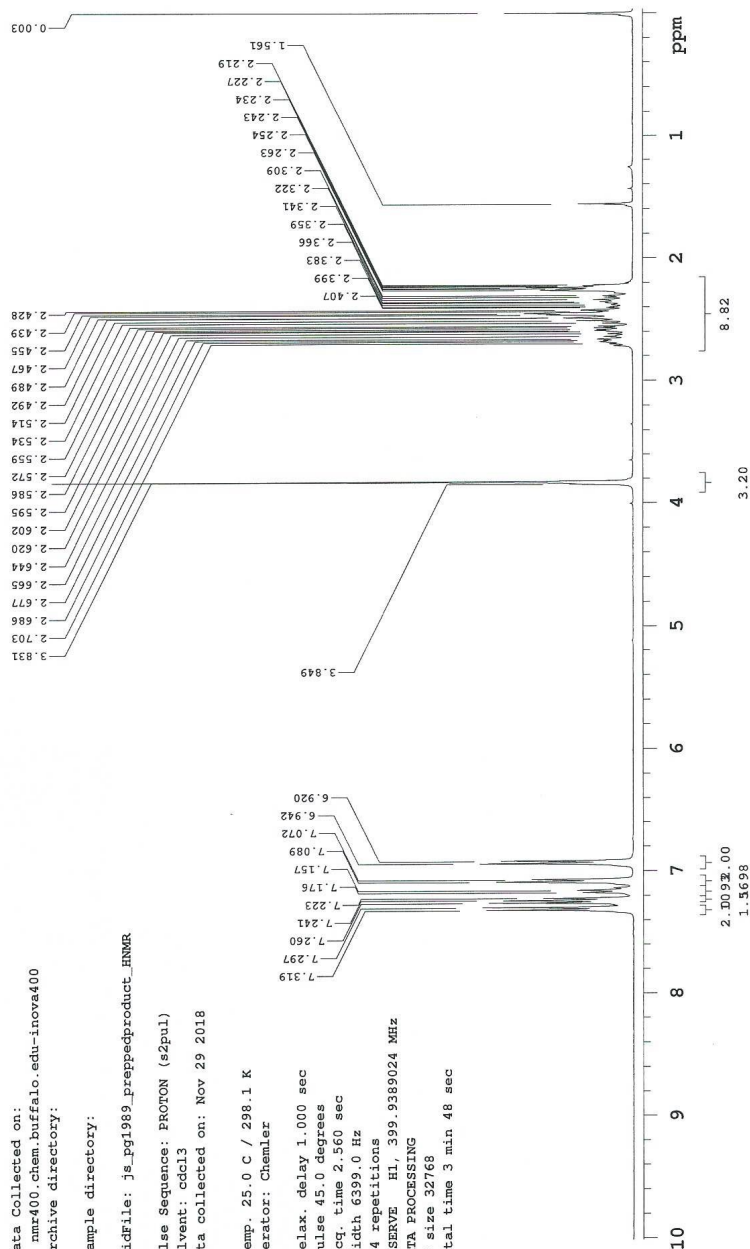
64 repetitions

OBSERVE H1, 399.9389024 MHz

DATA PROCESSING

FT size 32768

Total time 3 min 48 sec



5c

cdk-bi-x42-product

Sample Name:

Data Collected on:
nmr-400.chem.buffalo.edu-inova400
Archive directory:

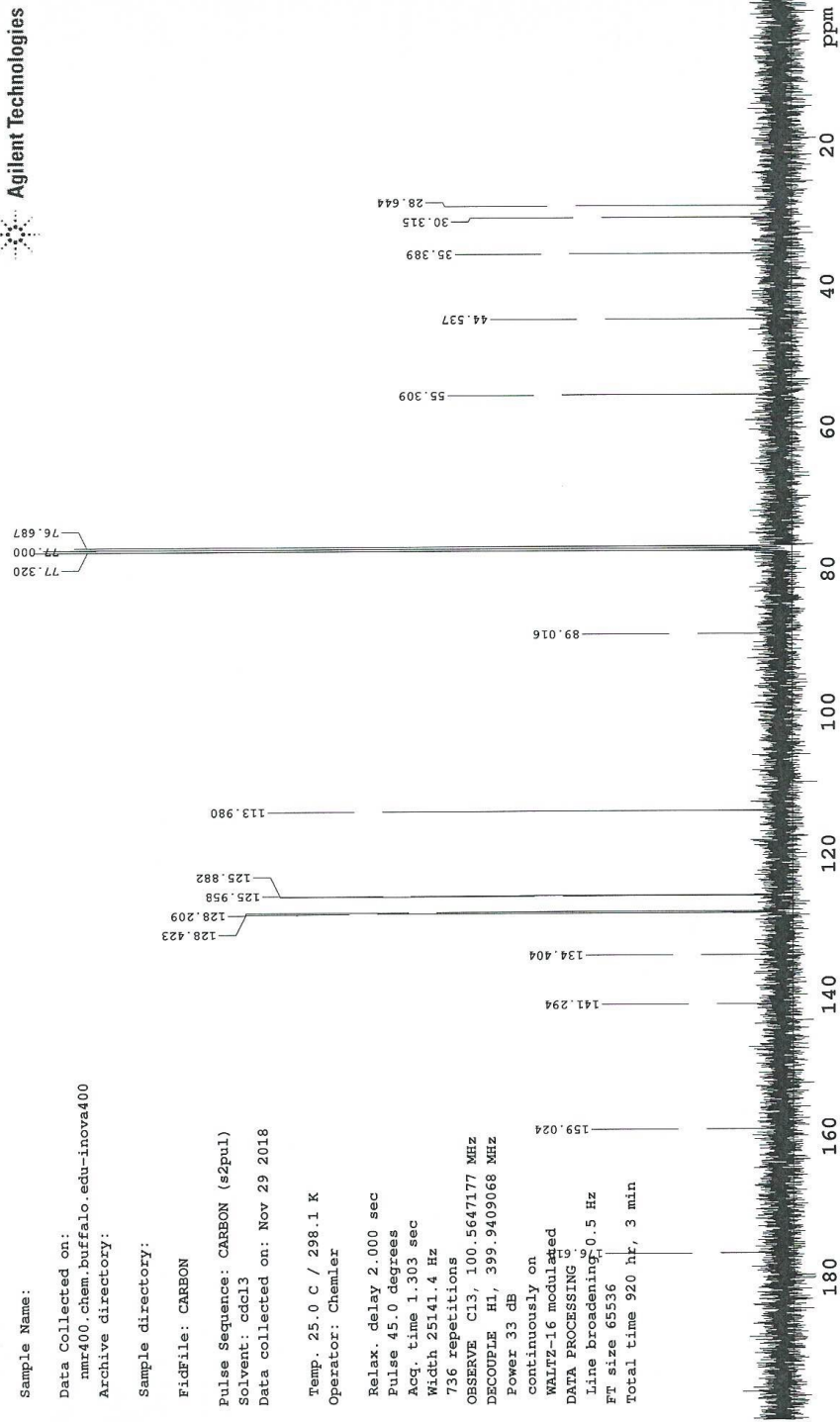
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 29 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
736 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 920 hr, 3 min



cdk-b1-r42-product

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

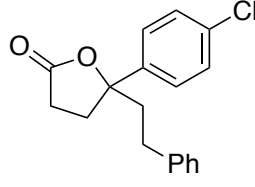
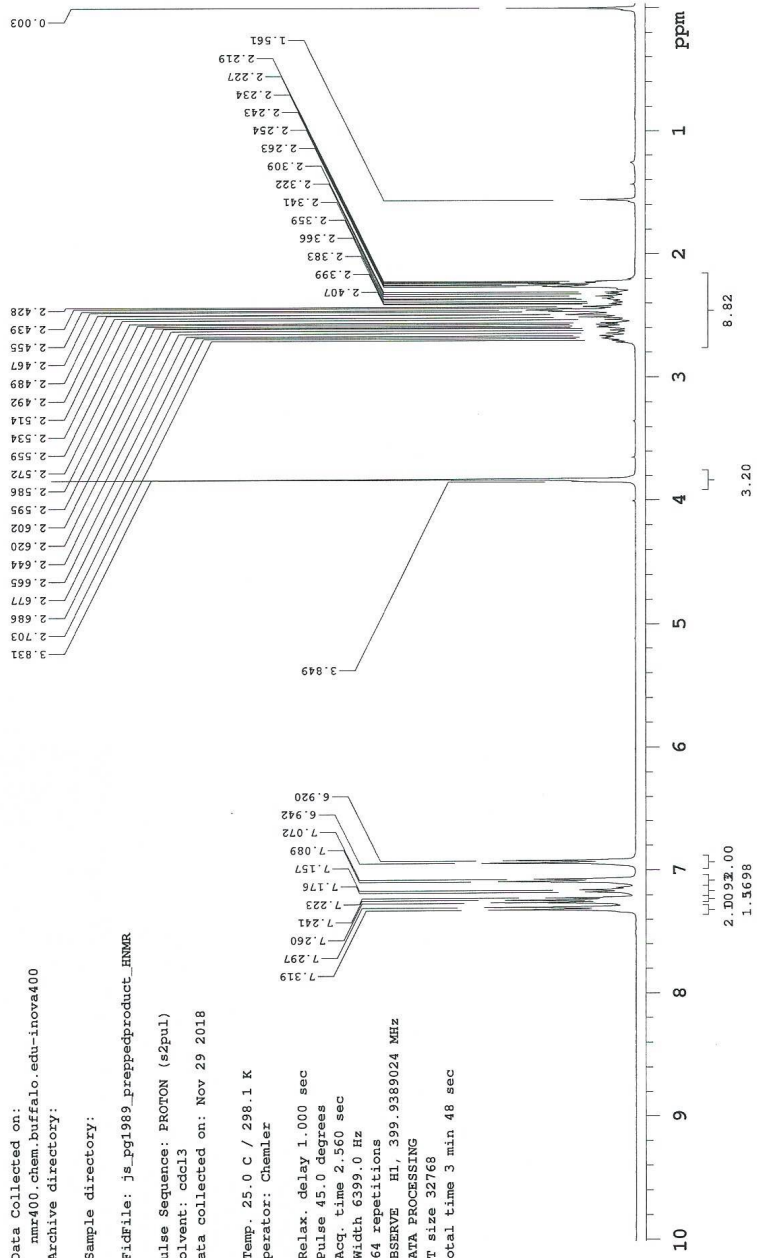
Sample directory:

Fidfile: js_pg1989_preppedproduct_HNMR

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Nov 29 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
64 repetitions
OBSERVE H1, 399.9389024 MHz
DATA PROCESSING
Ft size 32768
Total time 3 min 48 sec



5d

cdk-b2-r559-crude

Sample Name:

Data Collected on: nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Dec 8 2018

Operator: Chemler

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 0.868 sec

Width 18867.9 Hz

12032 repetitions

OBSERVE C13, 75.4536389 MHz

DECOUPLE H1, 300.0754430 MHz

Power 37 dB

continuously on

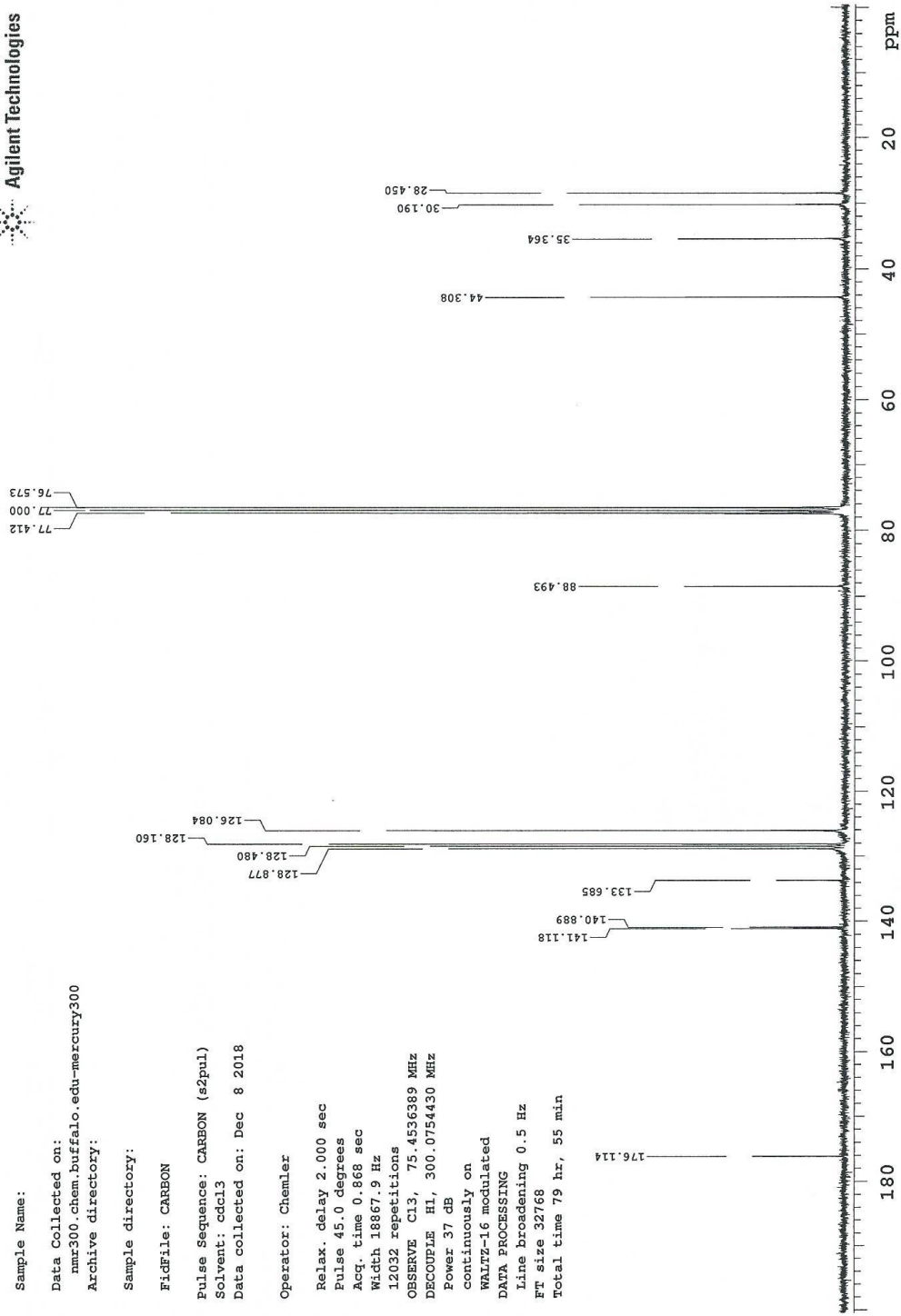
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 32768

Total time 79 hr, 55 min



SG_B2_P110_Rxn2_Row2

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mar

Archive directory:

Sample directory:

File: PROTON

Pulse Sequence: PROTON (a2pu1)
54

Solvent: cdcl3

Data collected on: Jan 10 2013

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

42 repetitions

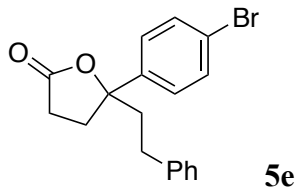
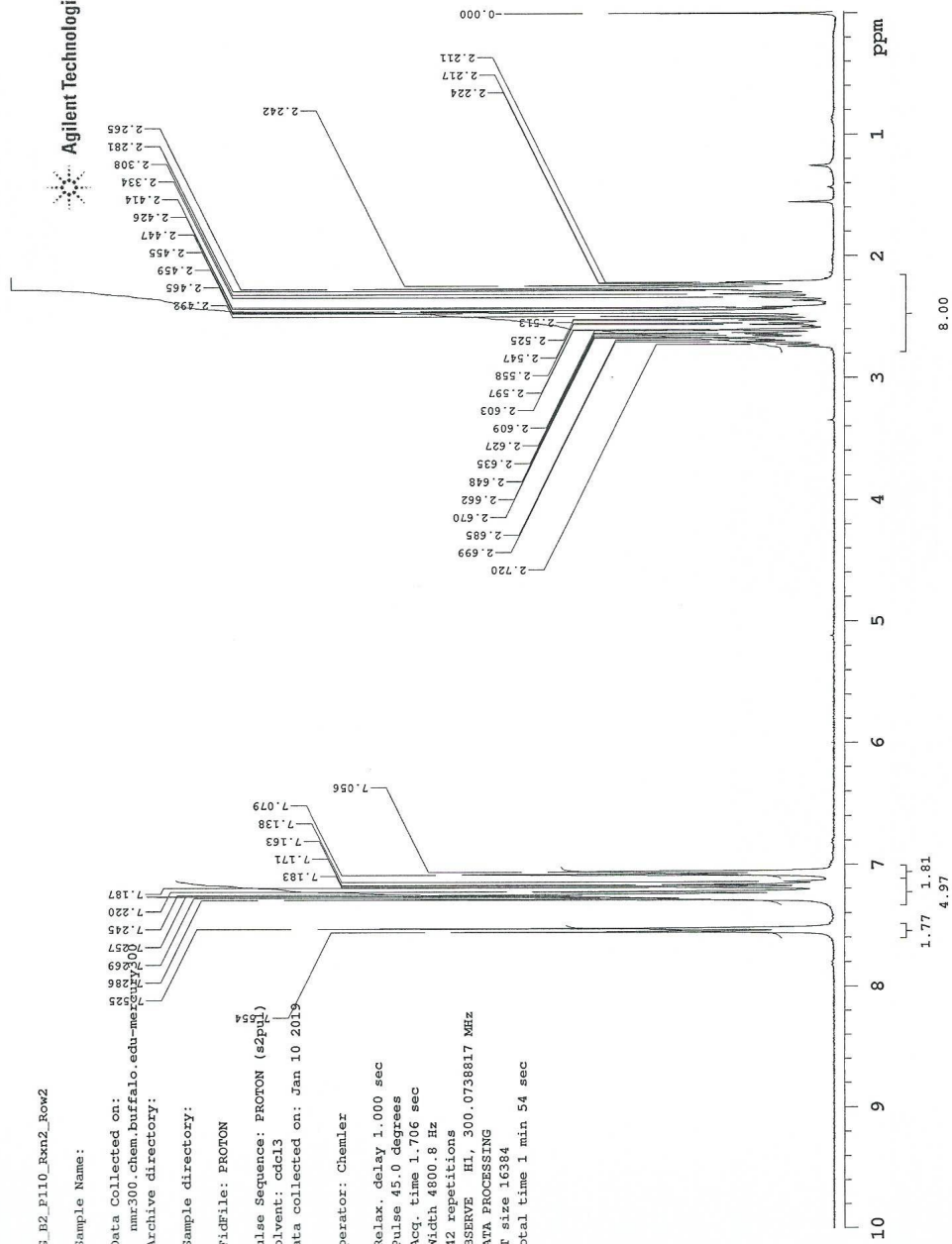
OBSERVE H1, 300.0738817 MHz

DATA PROCESSING

FT size 16384

Total time 1 min 54 sec

Agilent Technologies



SG_E2_F110_Rxn2_Row2

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

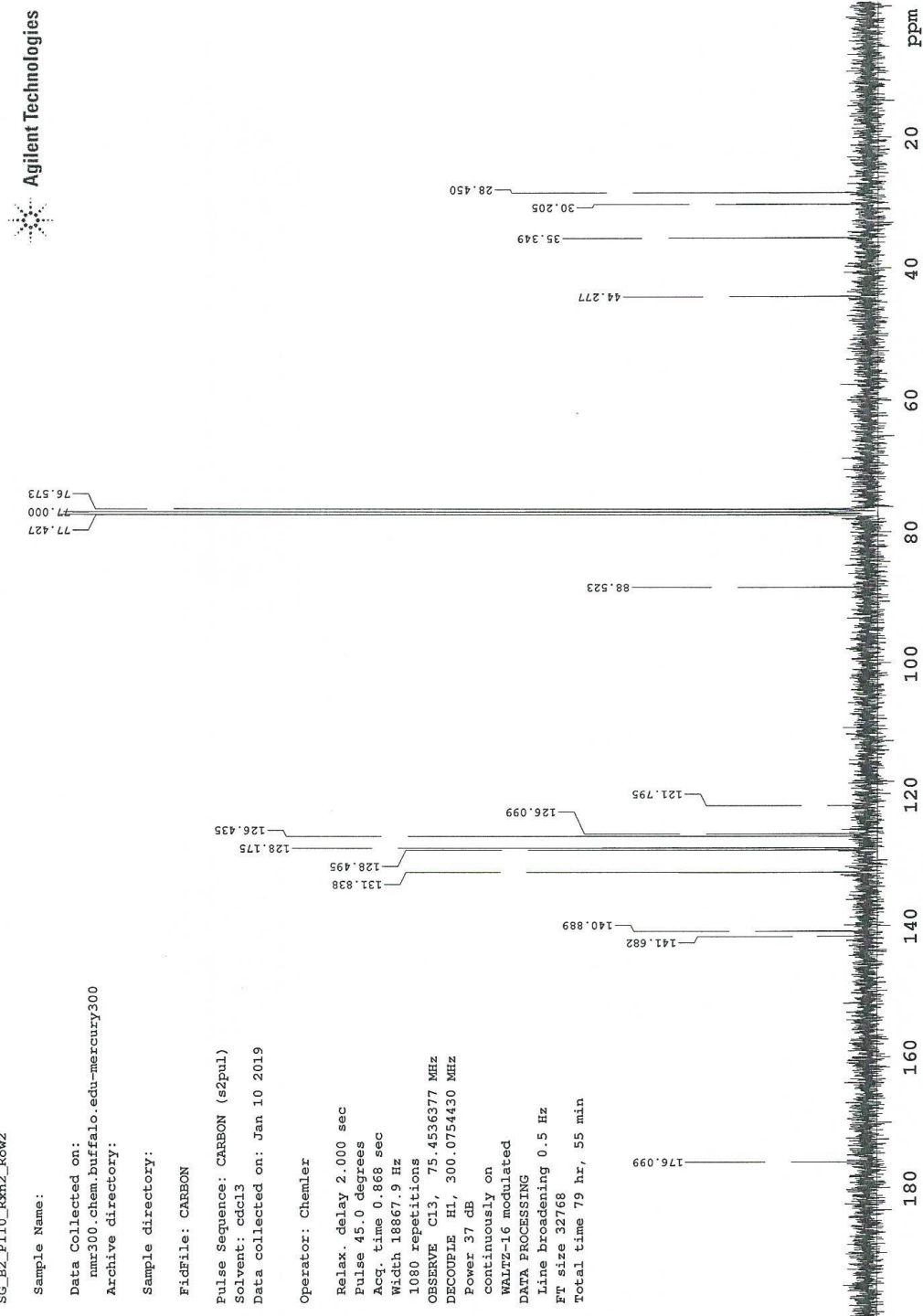
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 10 2019

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
1080 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 79 hr, 55 min



b6-R-_-507EDPS-step6-LDA-isobutyrate-w-Allyl-br-crude

Sample Name:
Data Collected on:
nmr400.chem.buffalo.edu-lhove400
Archive directory:

Sample directory:

FidFile: PROTON

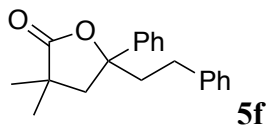
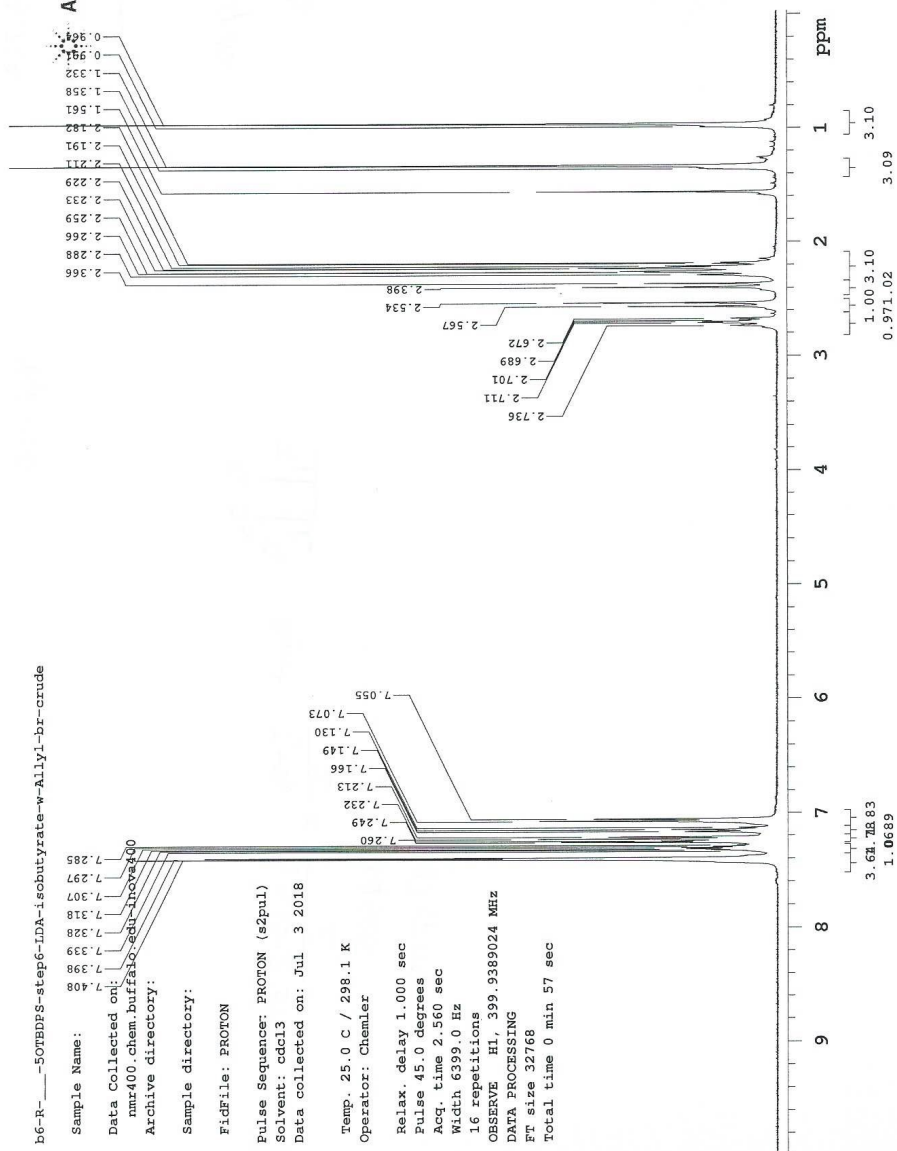
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jul 3 2018

Temp.: 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions

OBSERVE H1, 399.9389024 MHz
DATA PROCESSING
Ft size 32768
Total time 0 min 57 sec

Agilent Technologies



b6-R-50TBDPS-step6-LDA-isobutyrate-w-Allyl-br-crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

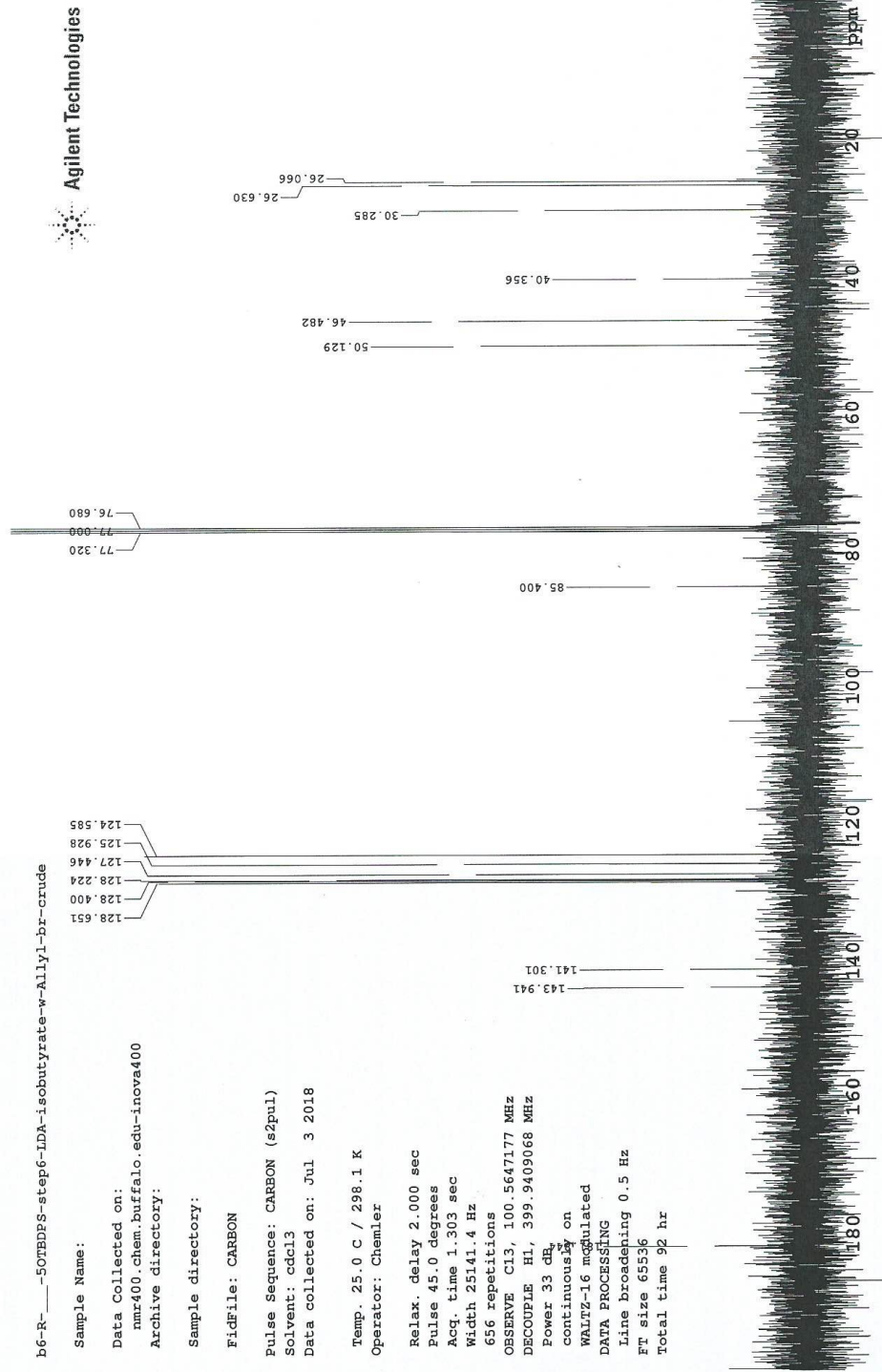
FidFile: CARBON

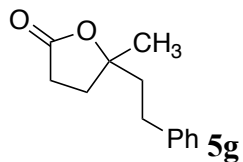
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 3 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
656 repetitions

OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB,
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 92 hr

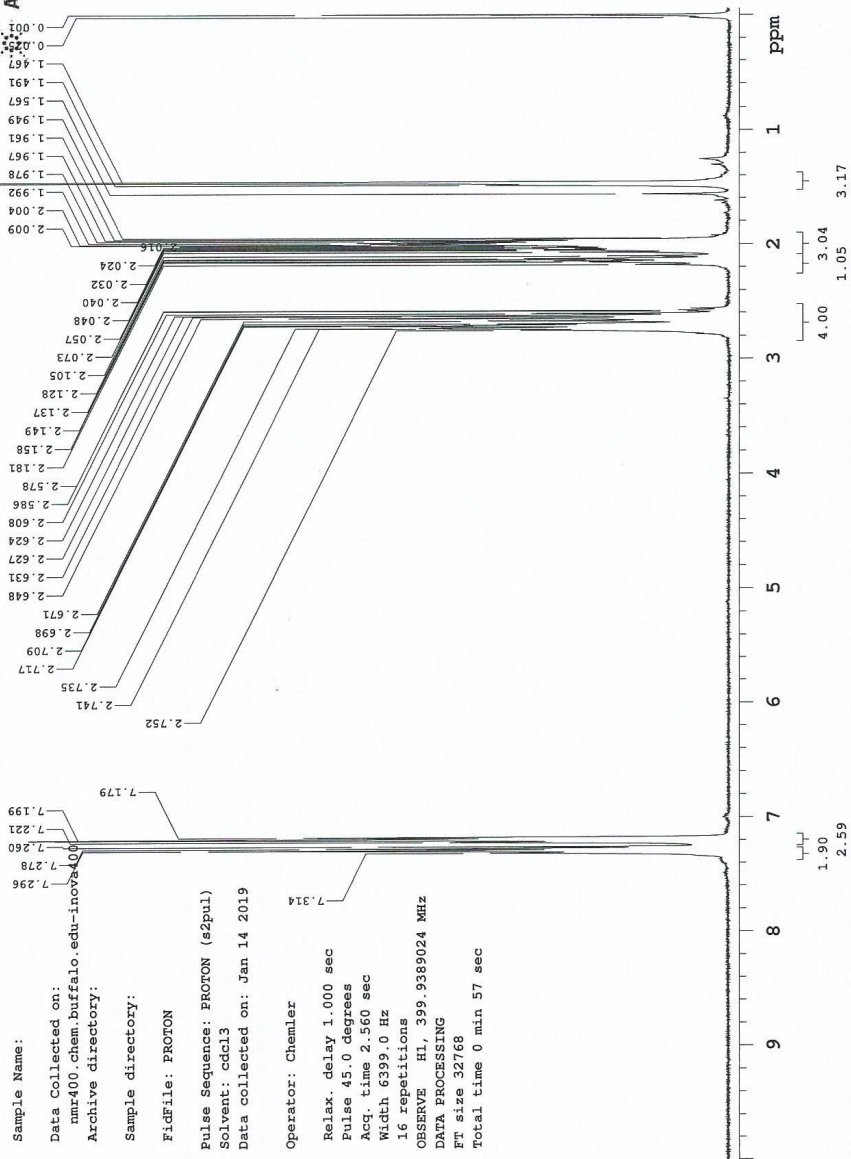




Agilent Technologies

SG_B2_F110_SM

Sample Name:
Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:
Sample directory:
FidFile: PROTON
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jan 14 2019
Operator: Chemler
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions
OBSERVE H1, 399.9389024 MHz
DATA PROCESSING
FT size 32768
Total time 0 min 57 sec



JE_2_93_crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

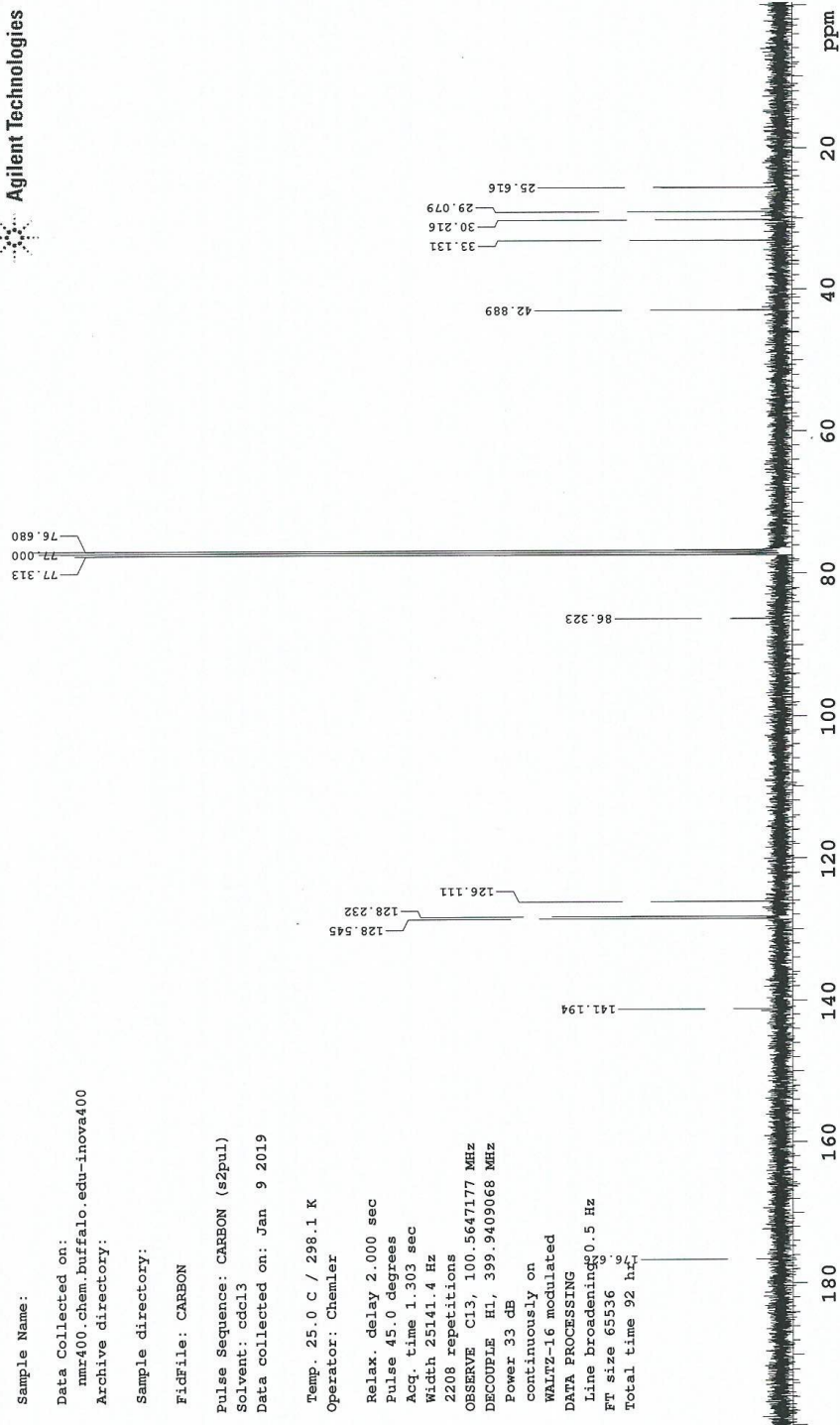
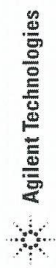
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 9 2019

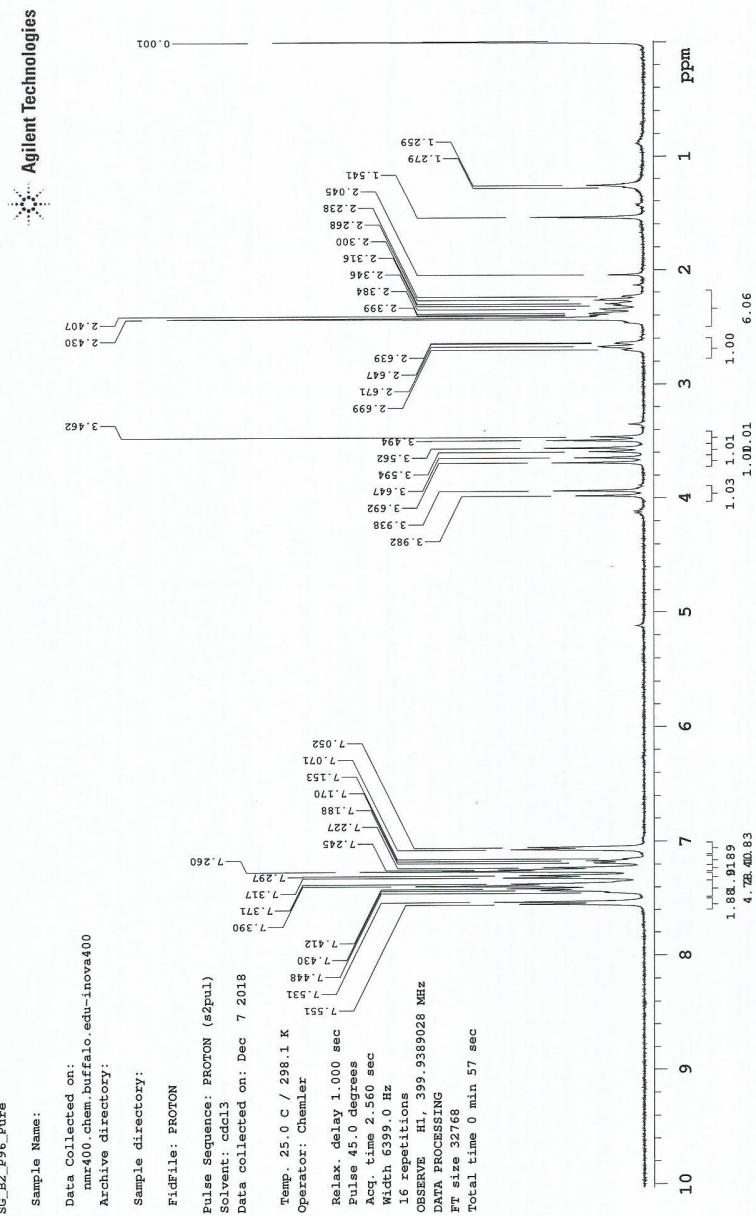
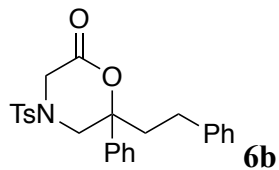
Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
2208 repetitions

OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated

DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 92 hr





cdk-b1-r42-product

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

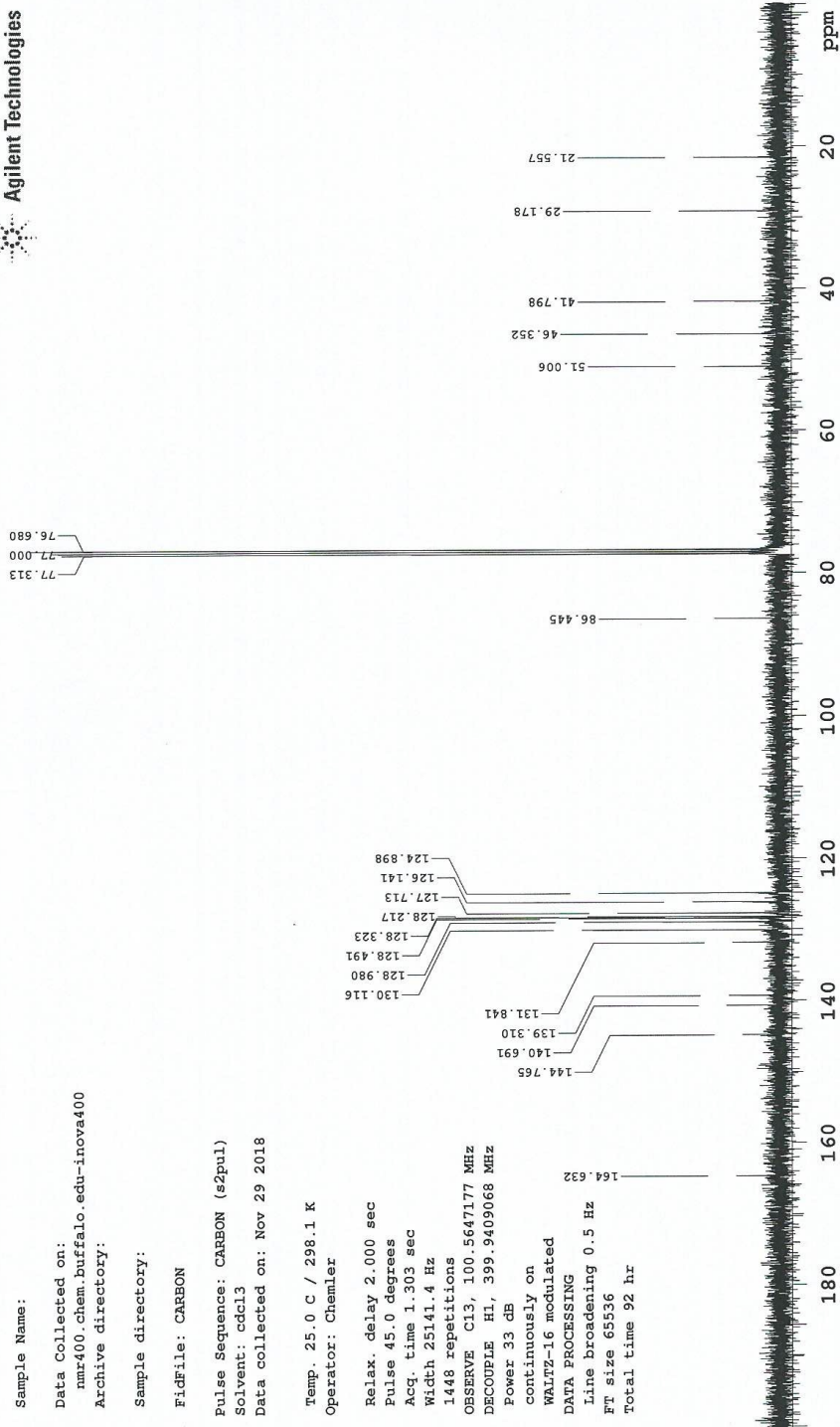
Sample directory:

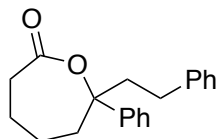
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 29 2018

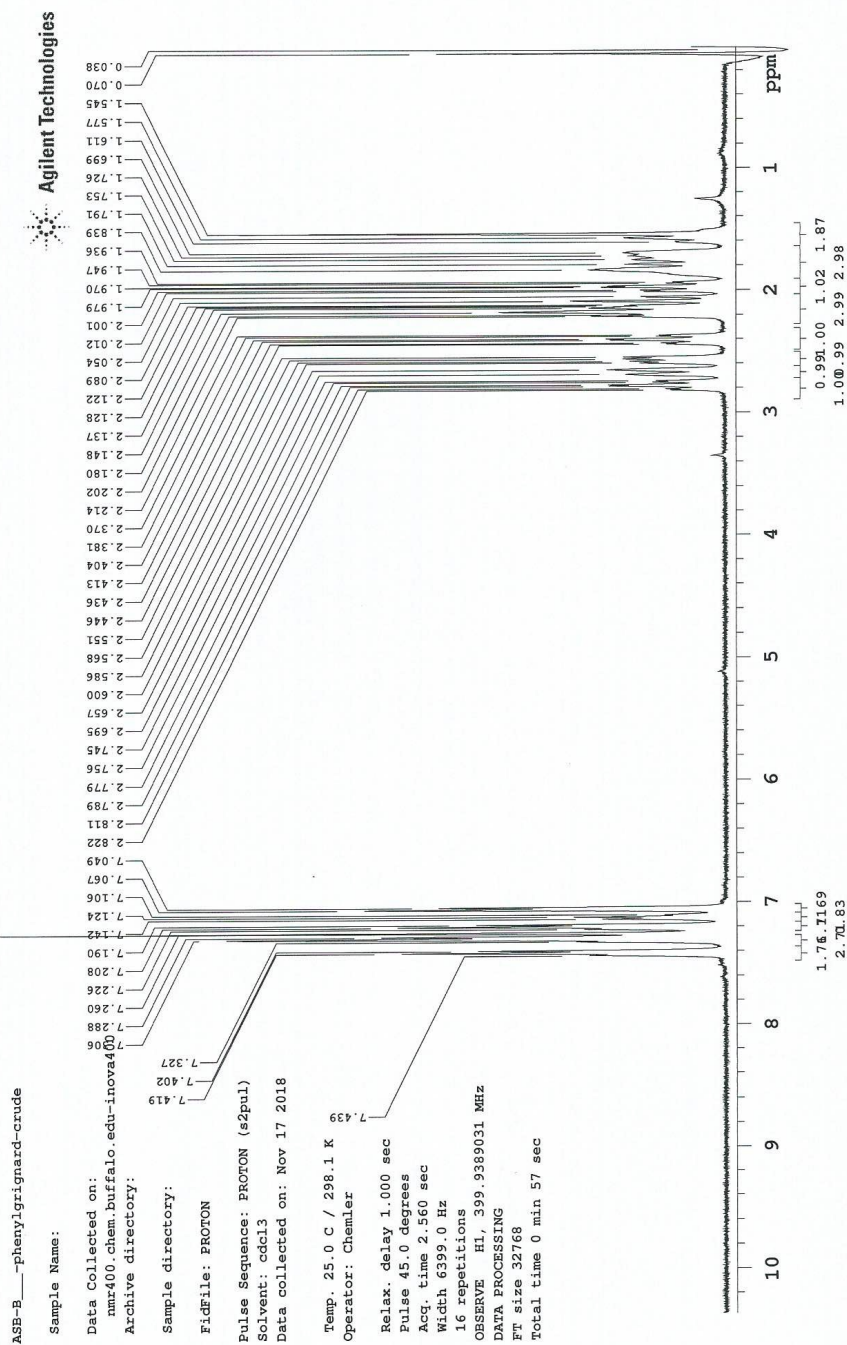
Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
1448 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 92 hr





7a



ASB-B____phenylgrignard-crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Nov 17 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 1.303 sec

Width 25141.4 Hz

16856 repetitions

OBSERVE C13, 100.5647169 MHz

DECOUPLE H1, 399.9409068 MHz

Power 33 dB

continuously on

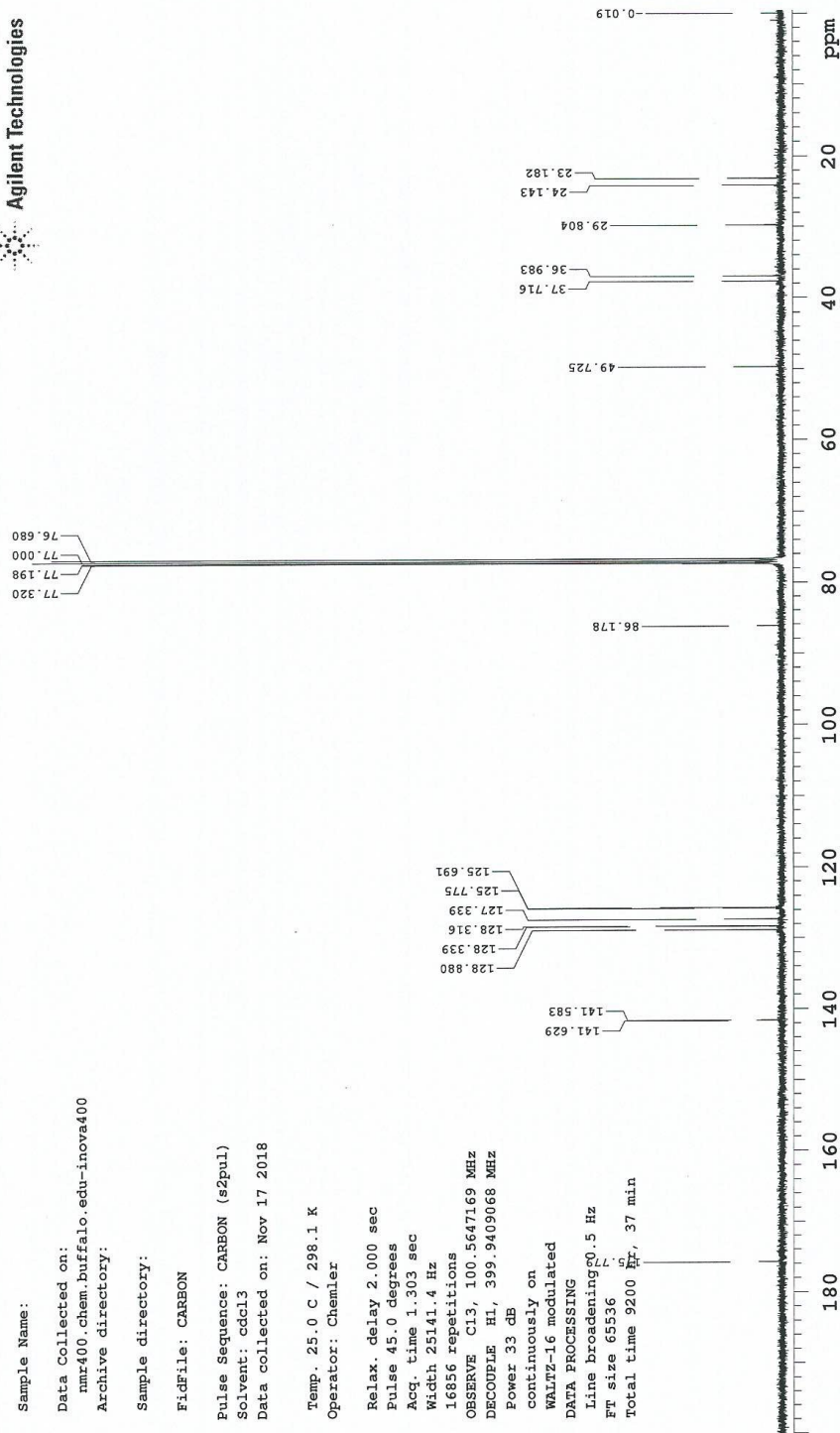
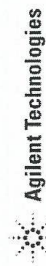
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 9200 hr, 37 min



ZK-584-carbon-chr

Sample Name:

Data Collected on:
nmr500c.chem.buffalo.edu-lnoh4500

Archive directory:

Sample directory:

FicFile: PROTON

Pulse Sequence: PROTON (62pul)

Solvent: Tetra

Data collected on: Nov 17 2018

Temp: 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.048 sec

Width 7998.4 Hz

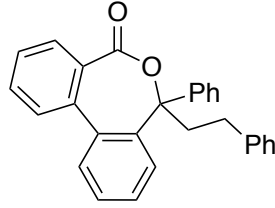
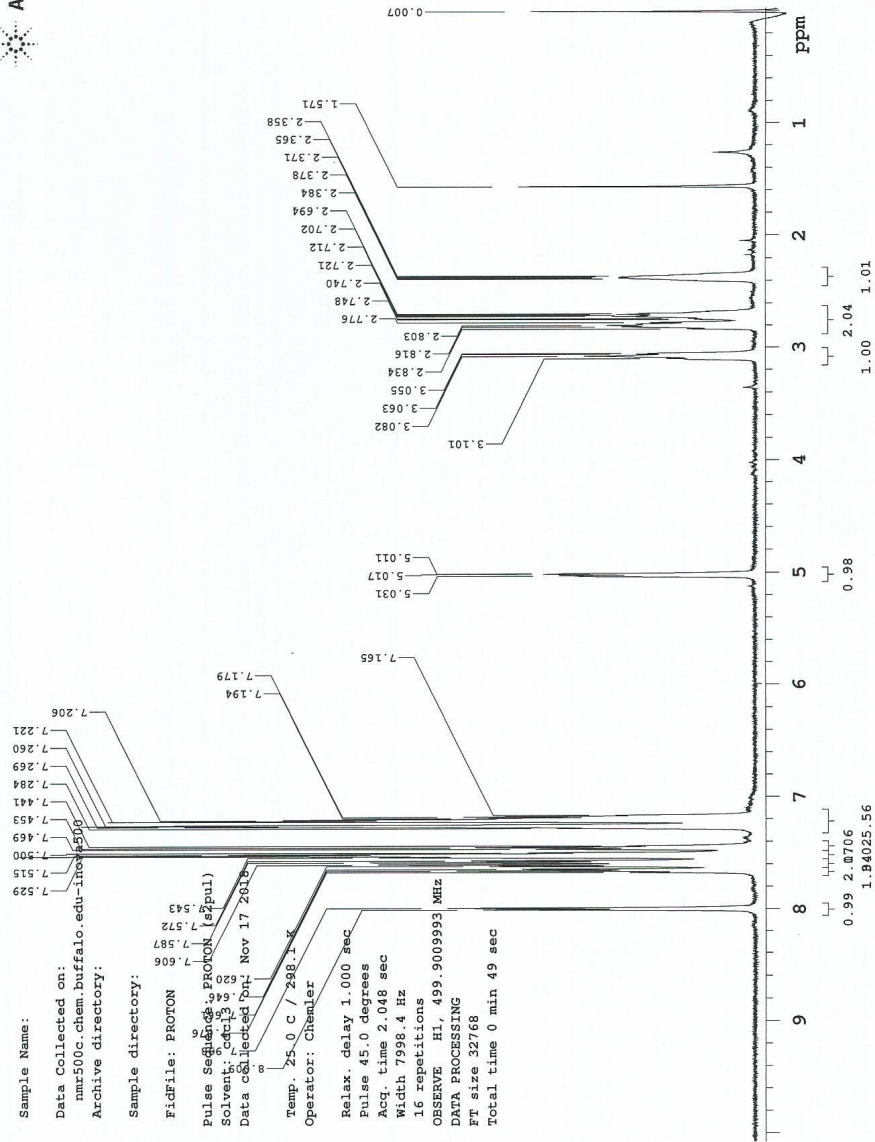
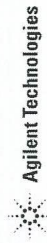
16 repetitions

OBSERVE H1, 499.9009993 MHz

DATA PROCESSING

Ft size 32768

Total time 0 min 49 sec



7b

ZK-584-carbon-chr

Sample Name:

Data Collected on:
nmr500c.chem.buffalo.edu-inova500

Archive directory:

Sample directory:

FidFile: CARBON

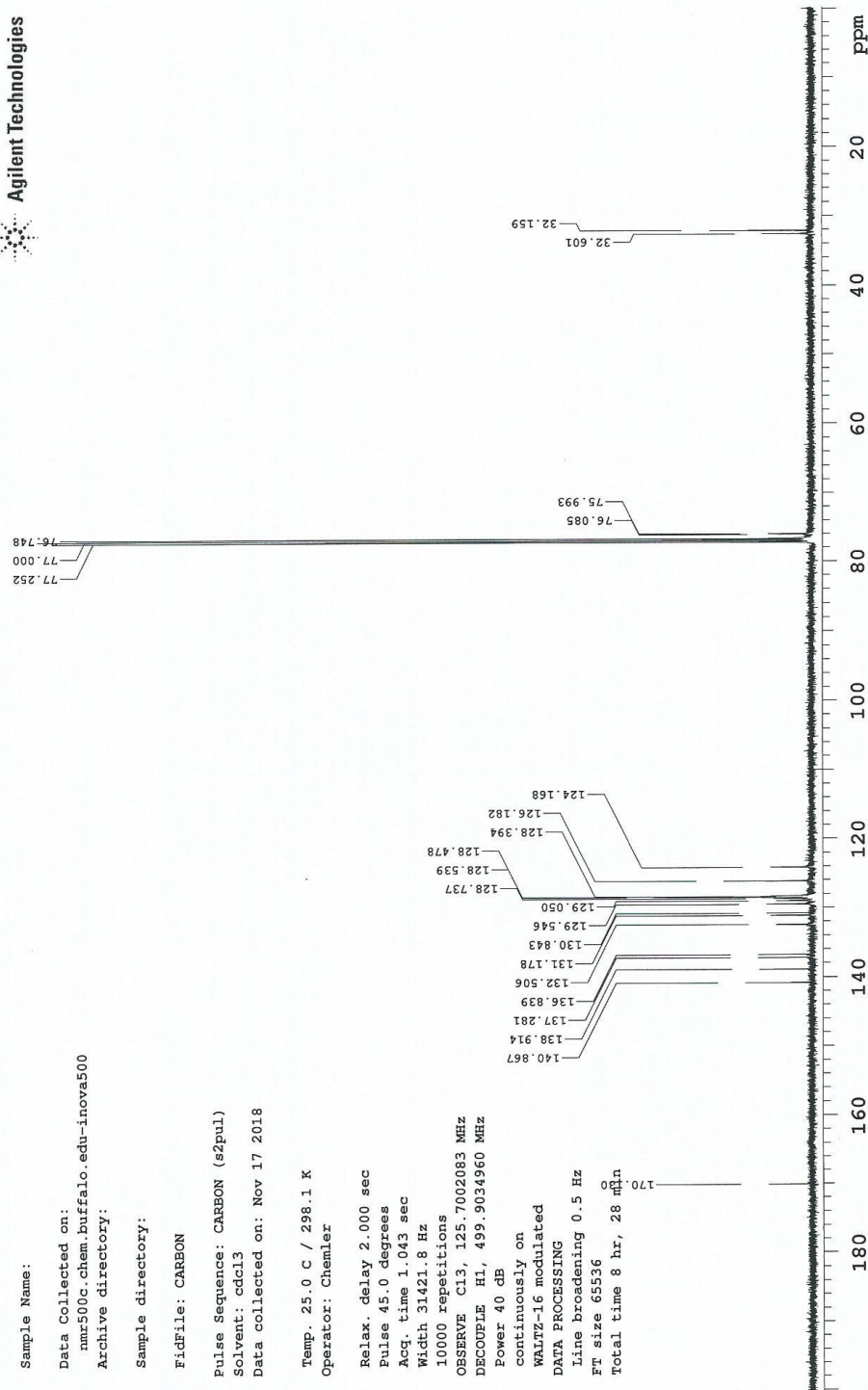
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 17 2018

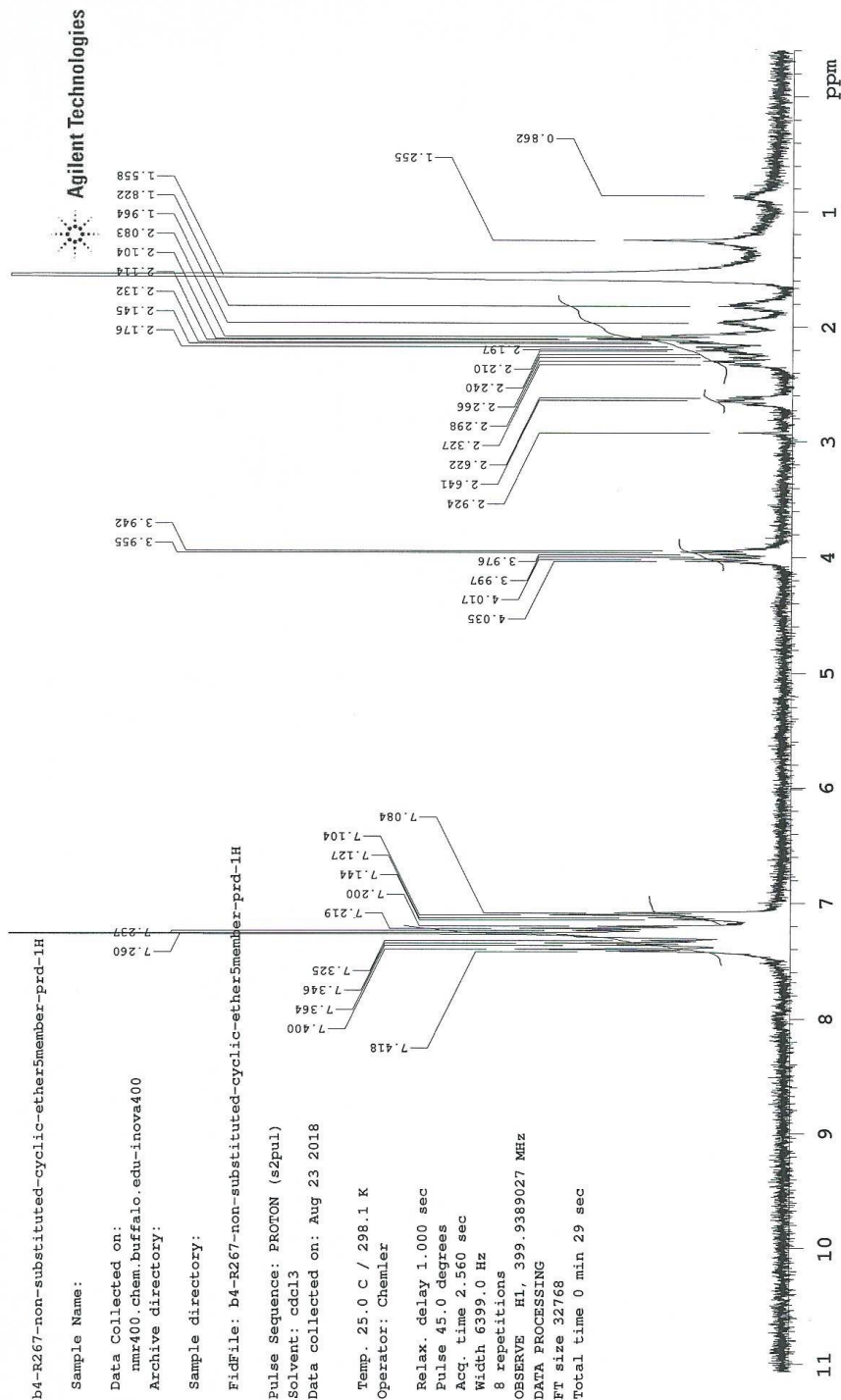
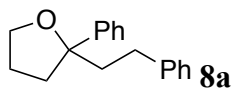
Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31421.8 Hz

10000 repetitions
OBSERVE C13, 125.7002083 MHz
DECOUPLE H1, 499.9034960 MHz

Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 8 hr, 28 min





2K-624-HPIC-26min

Sample Name:

Data Collected on:
nmr500c.chem.buffalo.edu-inova500
Archive directory:

Sample directory:

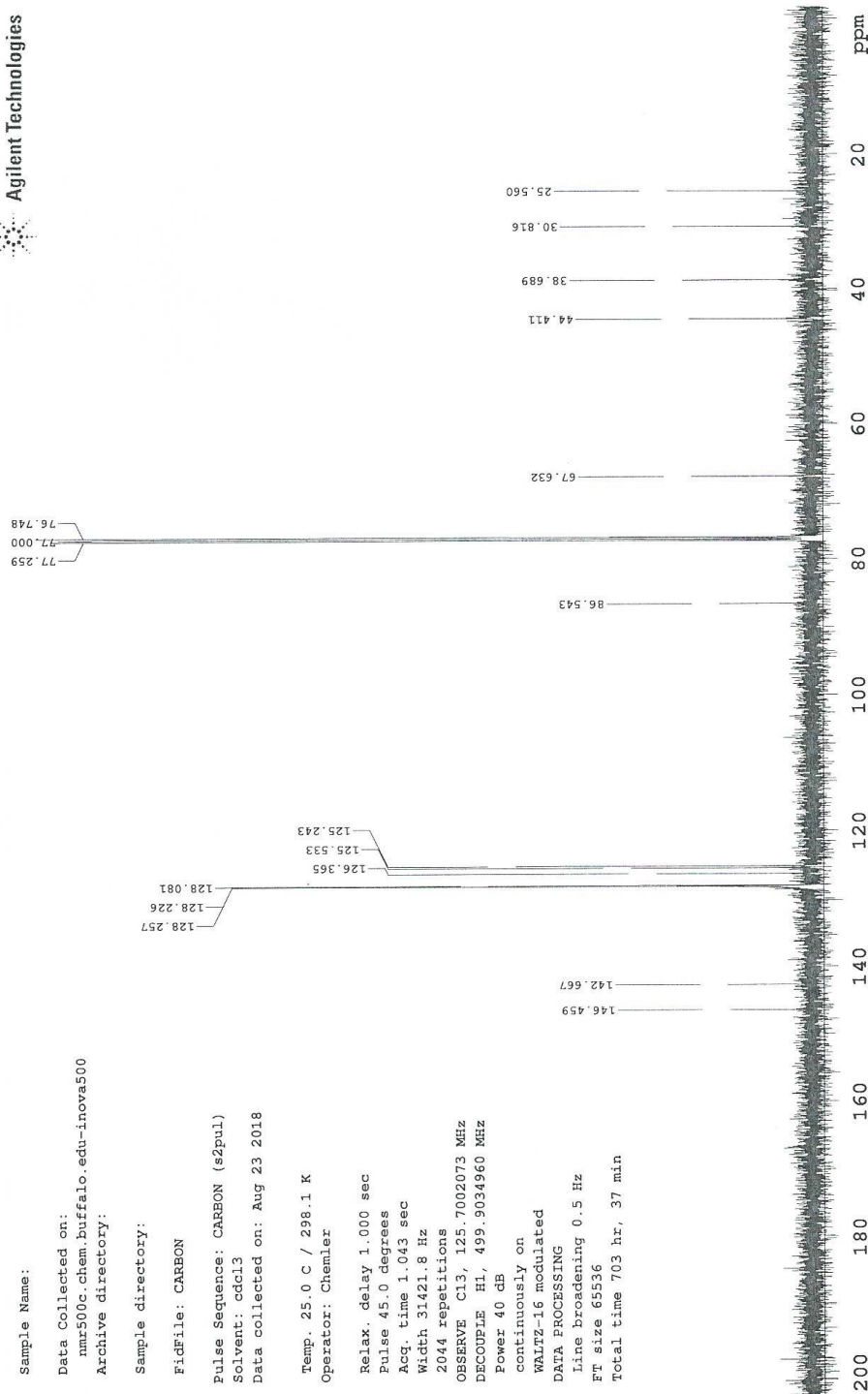
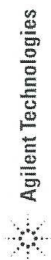
FidFile: CARBON

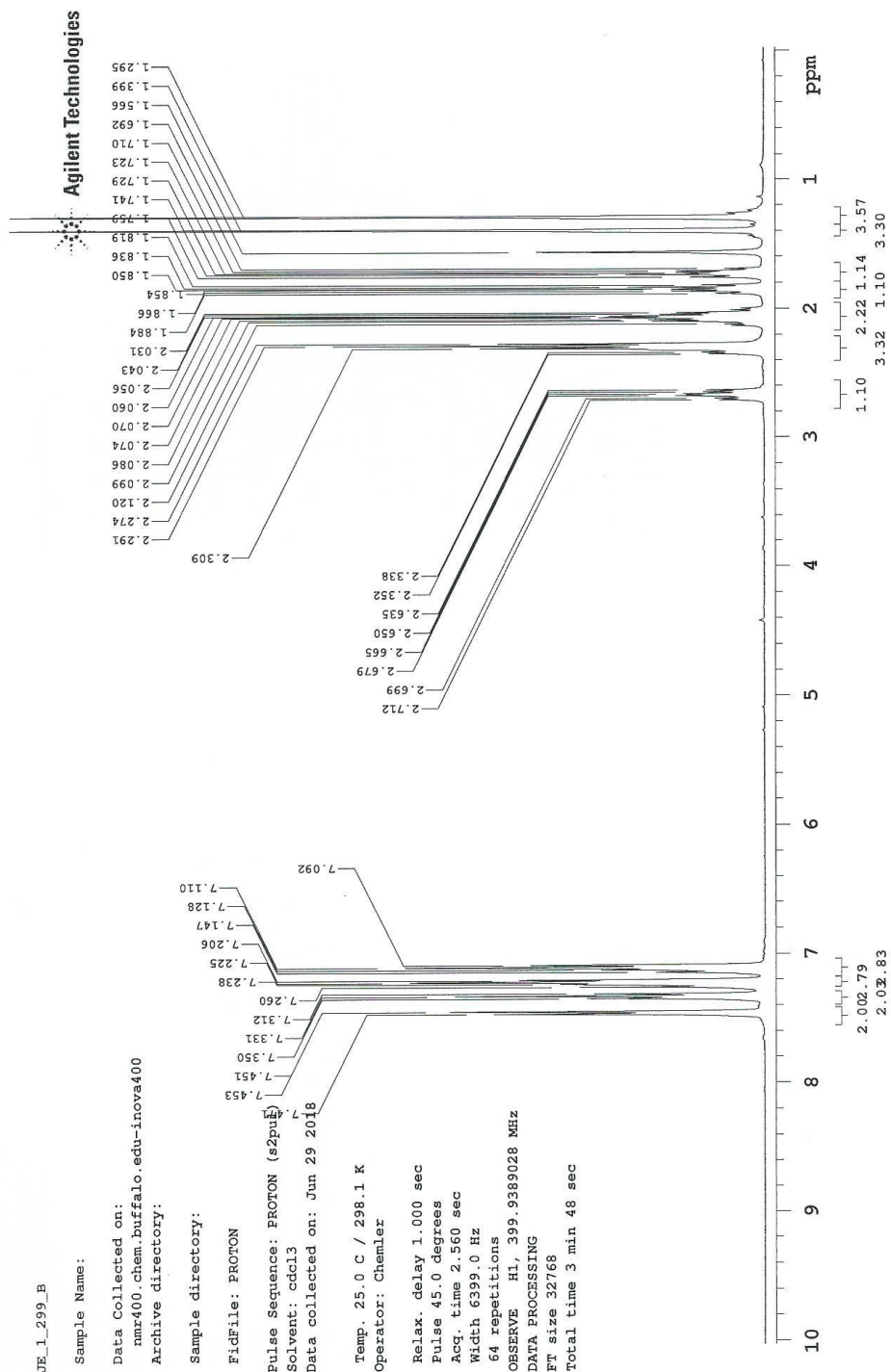
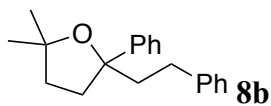
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 23 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31421.8 Hz
2044 repetitions
OBSERVE C13, 125.7002073 MHz
DECOUPLE H1, 499.9034960 MHz
Power 40 dB
continuously on

WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 703 hr, 37 min





tube-2-50TBDPS-JC-after-TEAF-crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

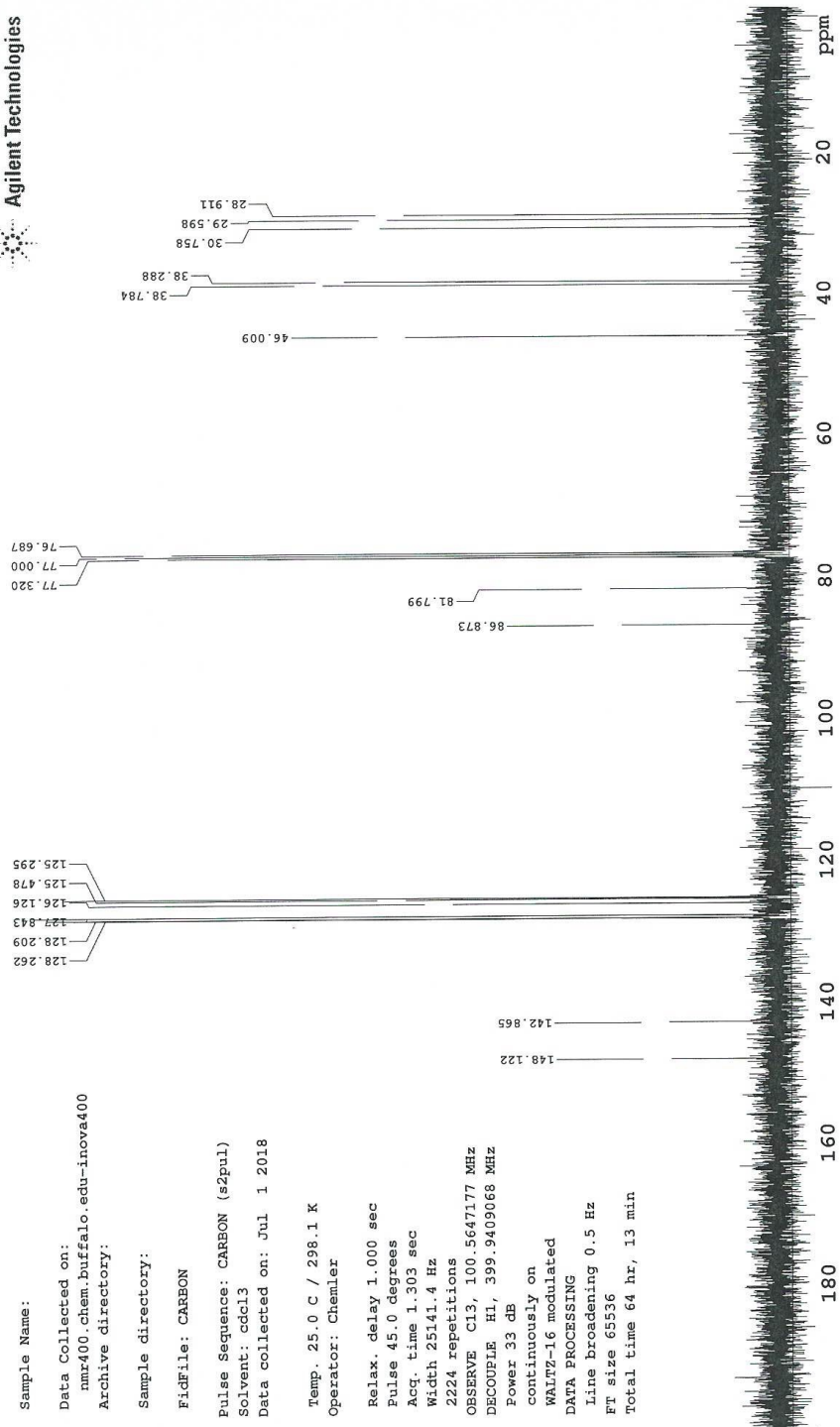
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 1 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
2224 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 64 hr, 13 min



ib2_255_col_fr58



Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3
Data collected on: Jan 22 2019

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

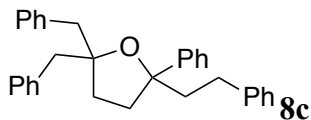
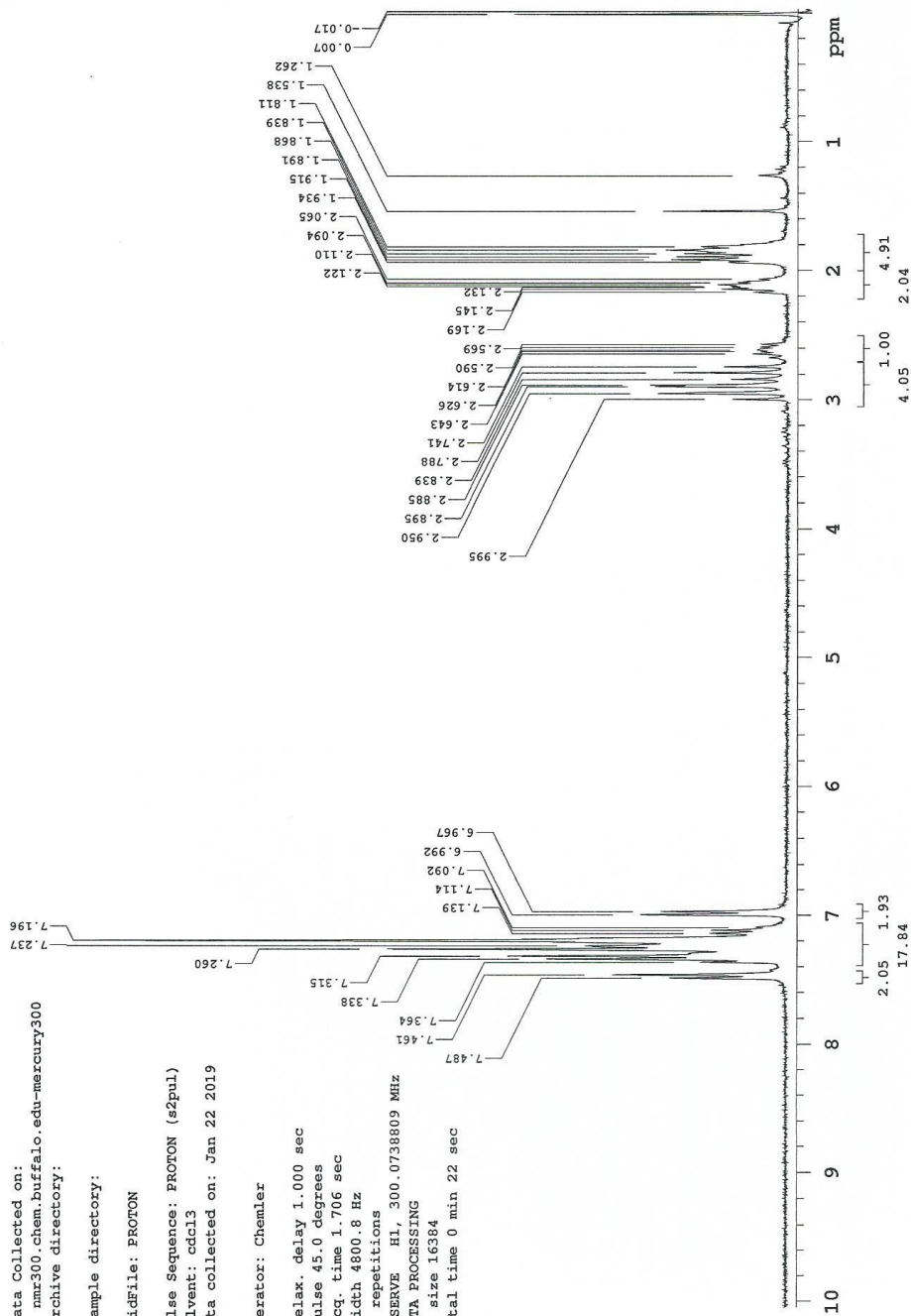
8 repetitions

OBSERVE H1, 300.0738809 MHz

DATA PROCESSING

Ft size 16384

Total time 0 min 22 sec



ib2_255_col_fr58



Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

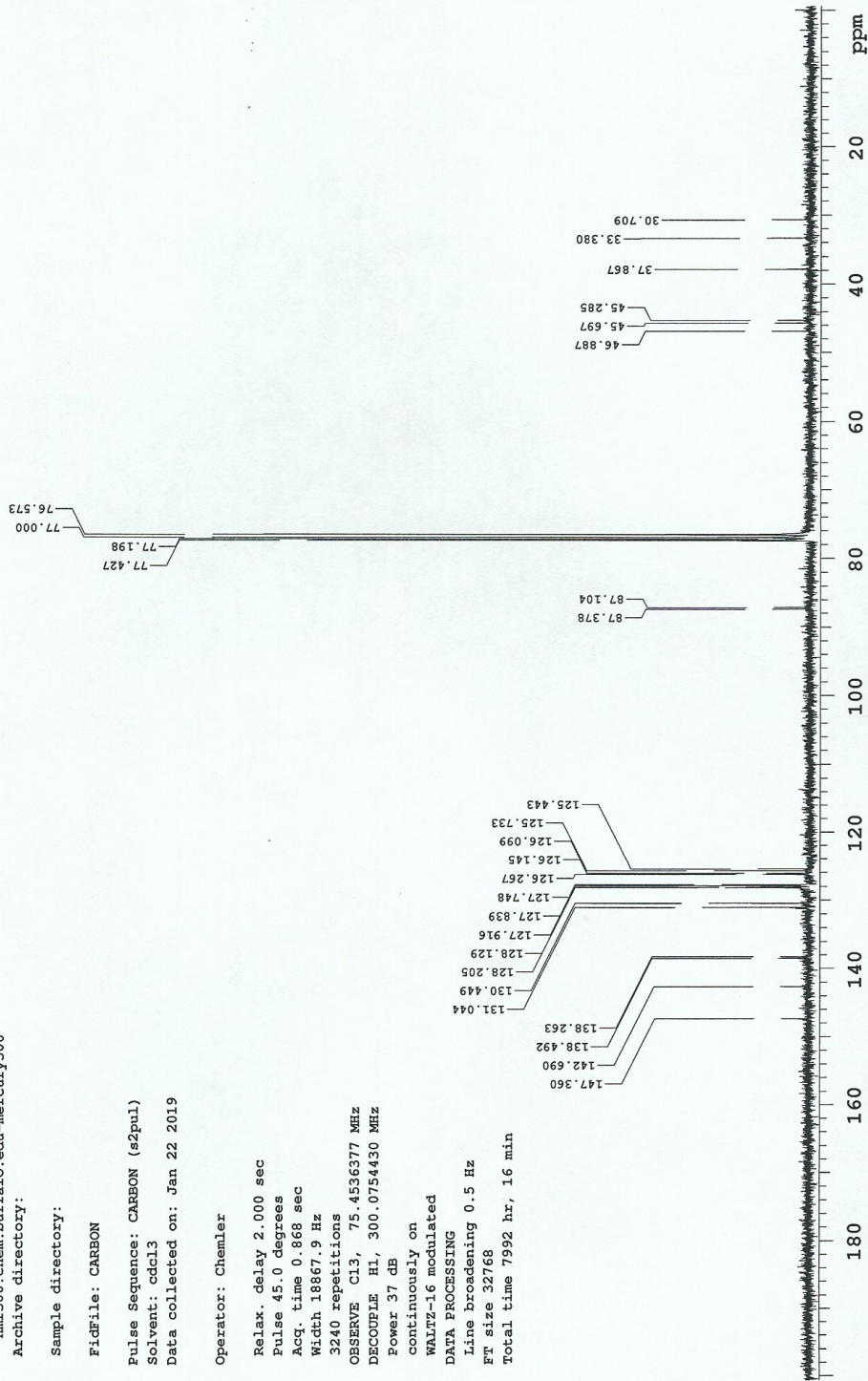
Sample directory:

File: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 22 2019

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
3240 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 7992 hr, 16 min



SG_B2_P136_Carboxylicacid_derv_pure

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

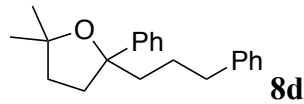
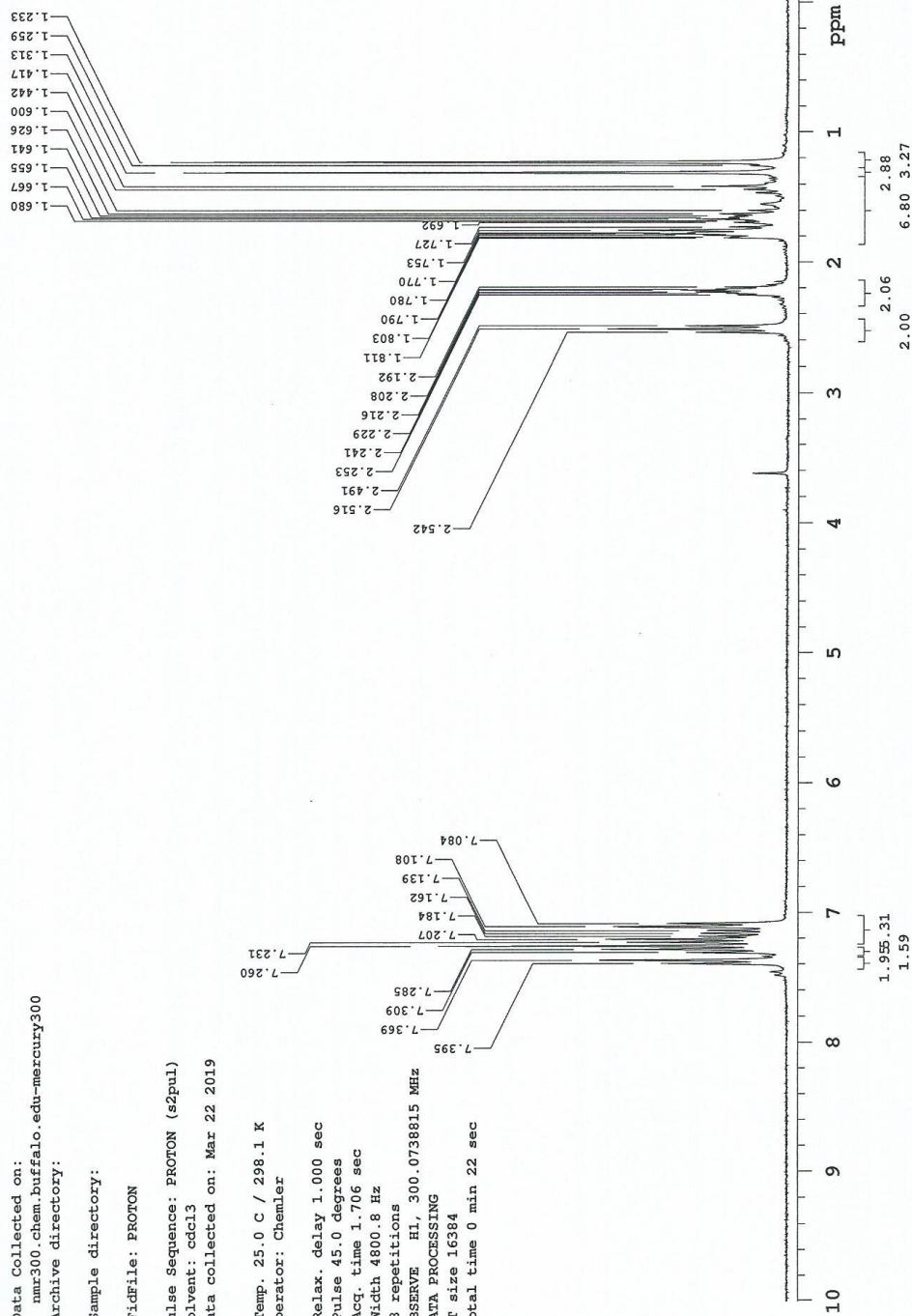
FidFile: PROTON

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Mar 22 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.706 sec
Width 4800.8 Hz
8 repetitions
OBSERVE H1, 300.0738815 MHz
DATA PROCESSING
Ft size 16384
Total time 0 min 22 sec

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SG_E2_p136_Rxnl_cyano

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

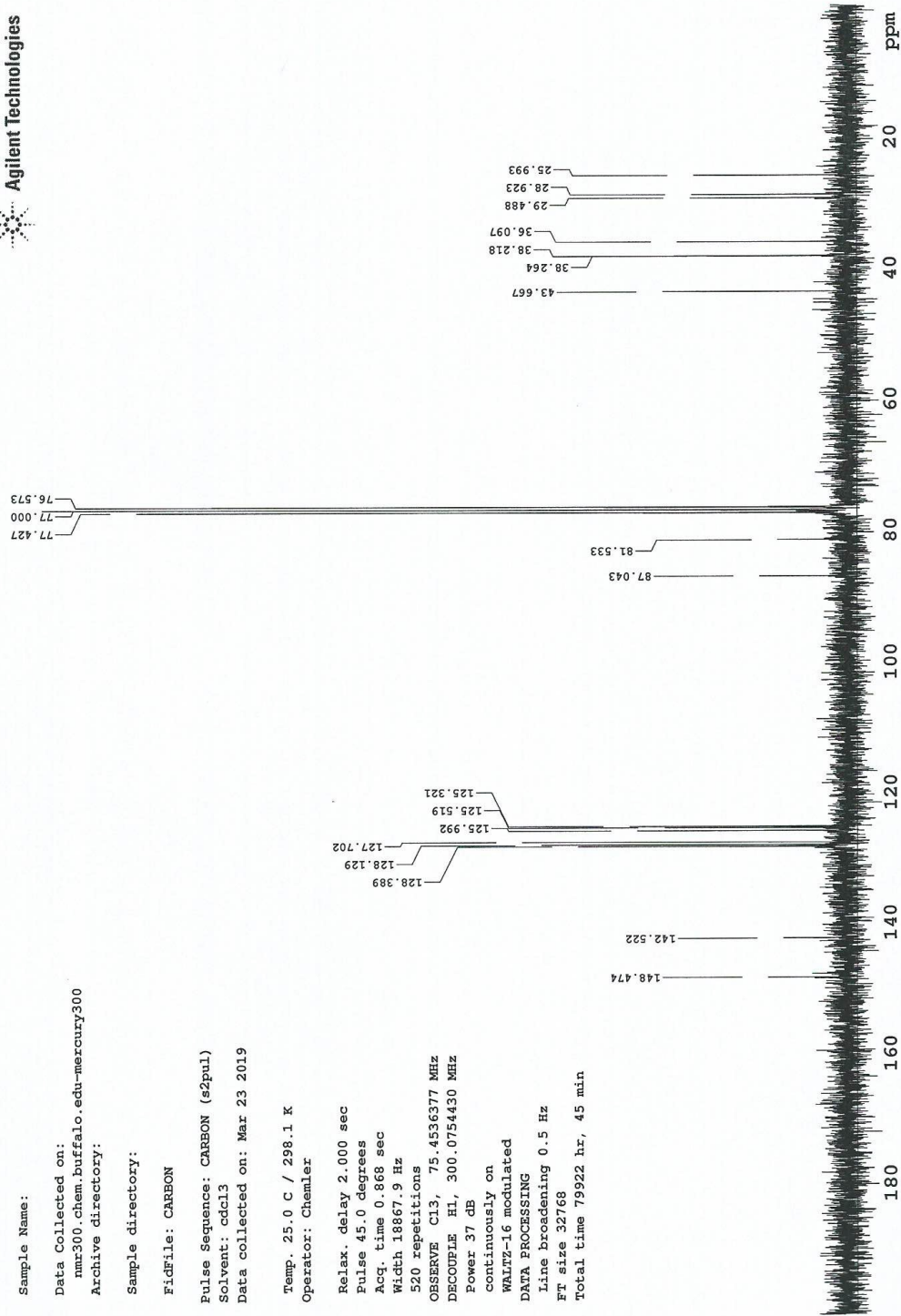
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 23 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
520 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 79922 hr, 45 min



SG_E2_pl36_Rxn1_cyano

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Mar 23 2019

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

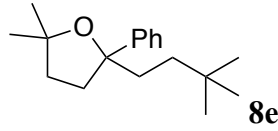
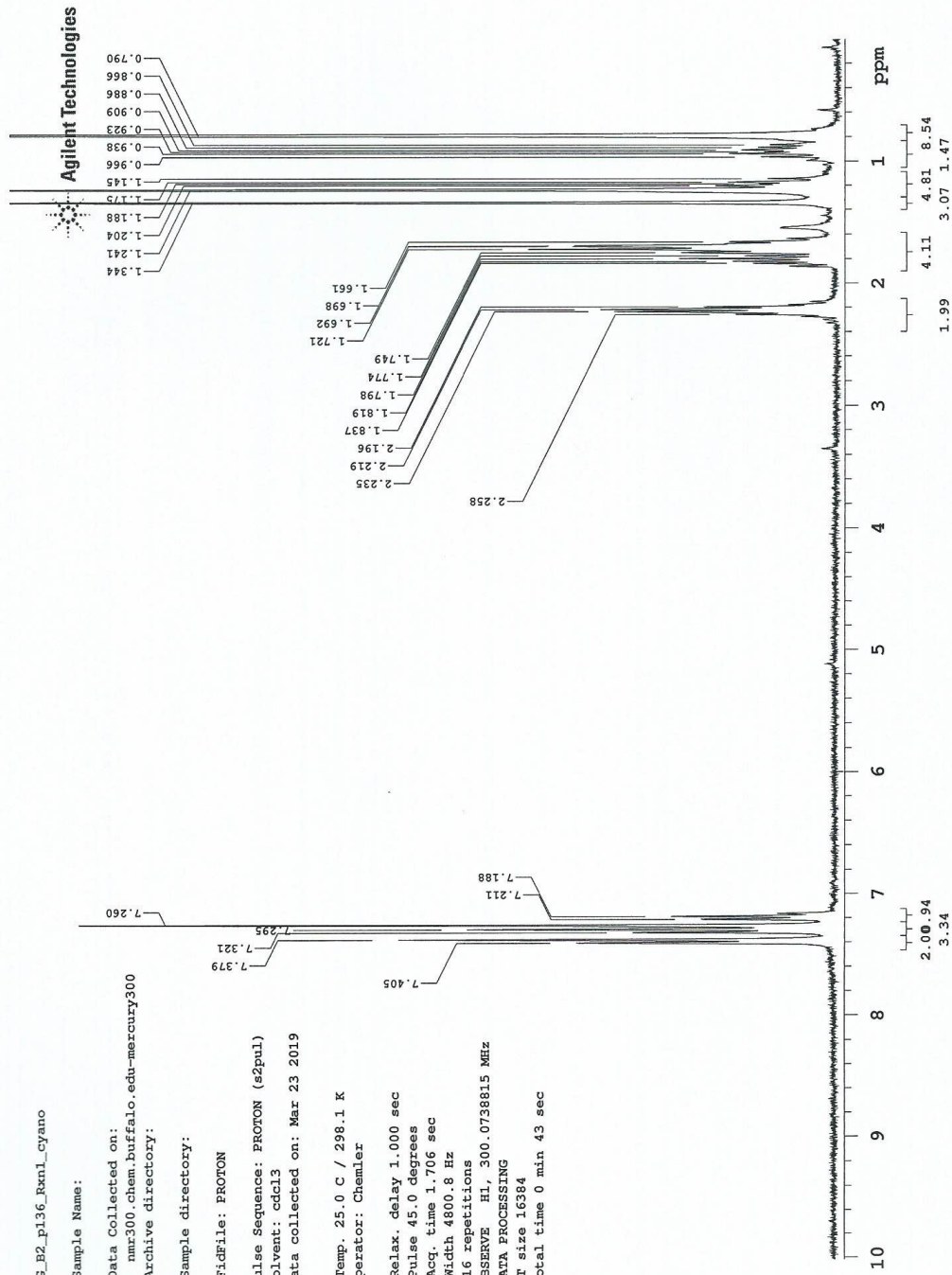
16 repetitions

OBSERVE H1, 300.0738815 MHz

DATA PROCESSING

FT size 16384

Total time 0 min 43 sec



SG_B2_p136_Rn1_cyano



77.412
77.000
76.573

Sample Name:
Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

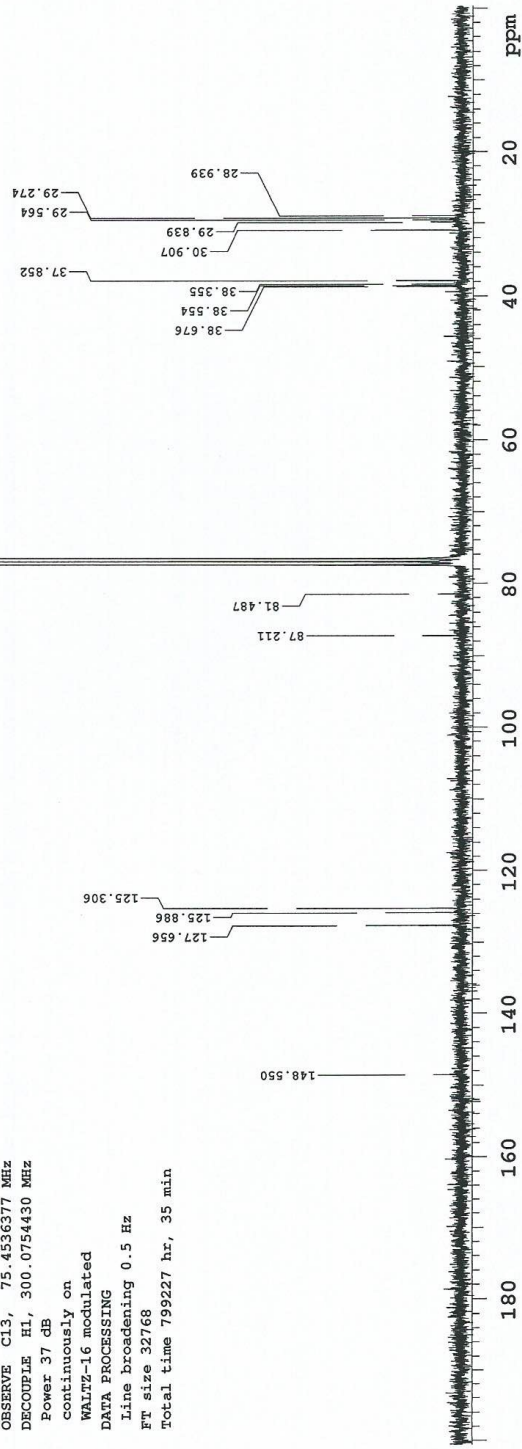
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 23 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
2696 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 799227 hr, 35 min



JE_2_133_C_7

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-indy440

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Mar 22 2019

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

16 repetitions

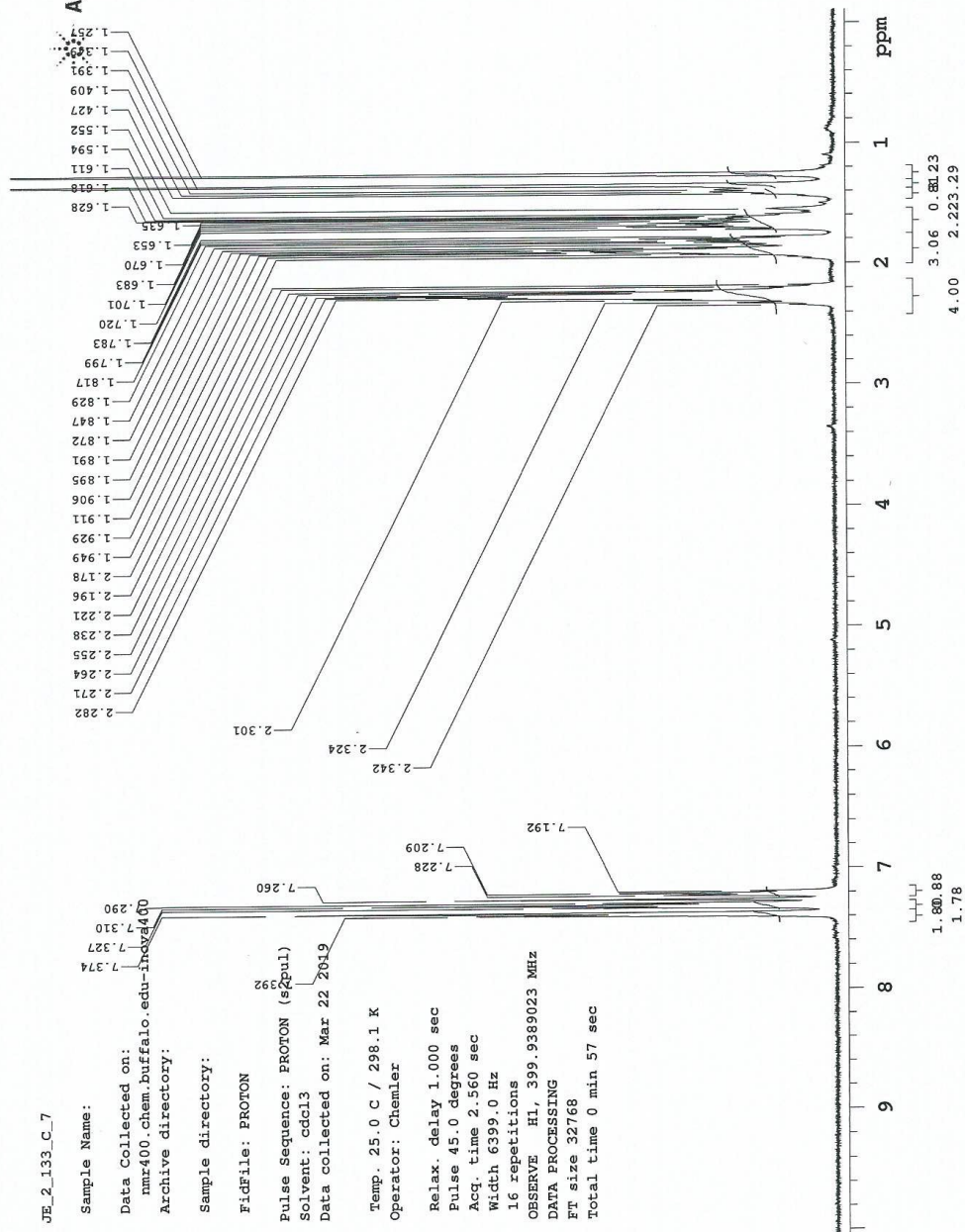
OBSERVE H1, 399.9389023 MHz

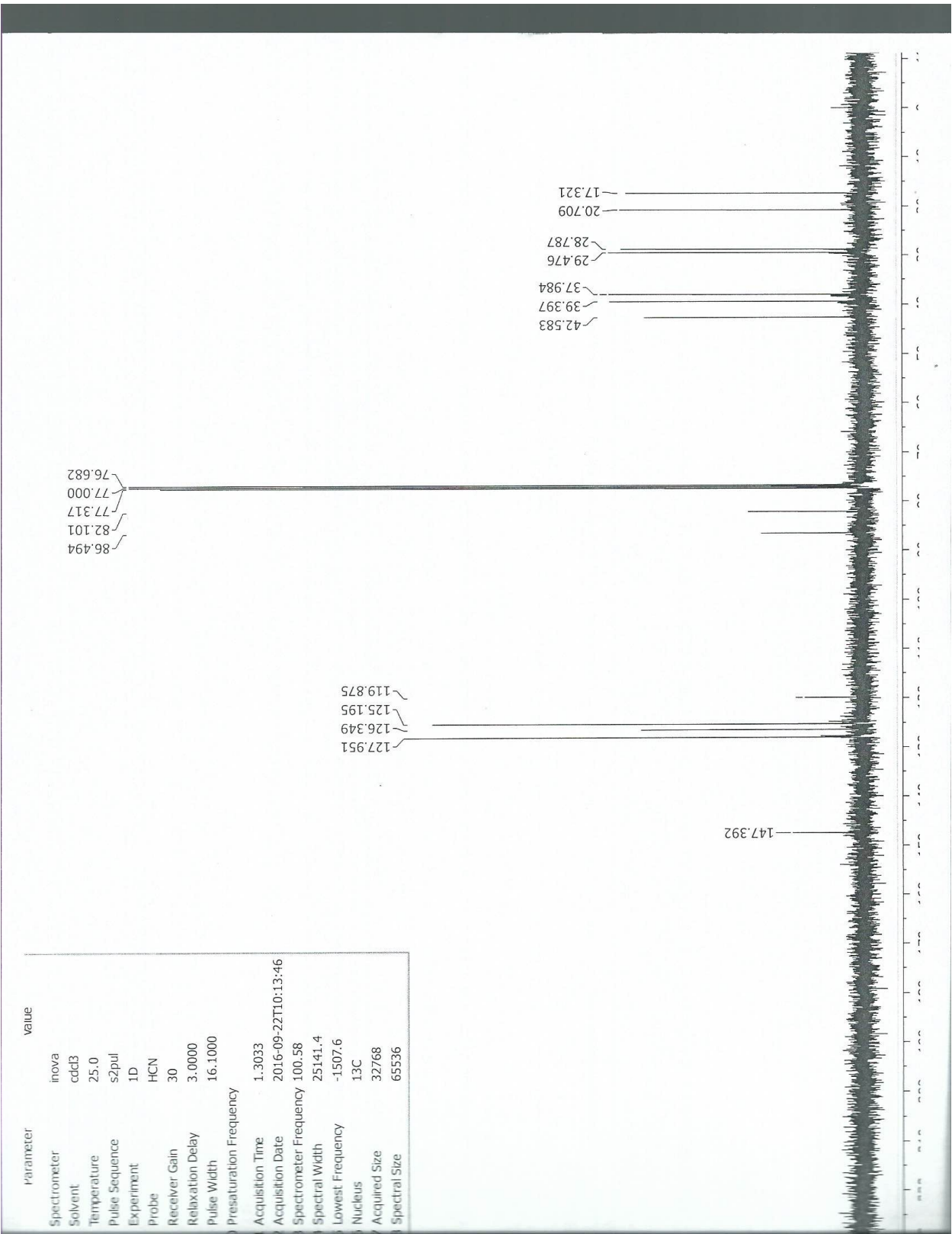
DATA PROCESSING

Ft size 32768

Total time 0 min 57 sec

Agilent Technologies





h6-R-____-6-nem-diMe-alco-substrate-need-column

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: js_pg1875_preppedproduct_HNMR

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 27 2018

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

64 repetitions

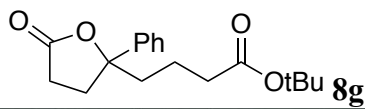
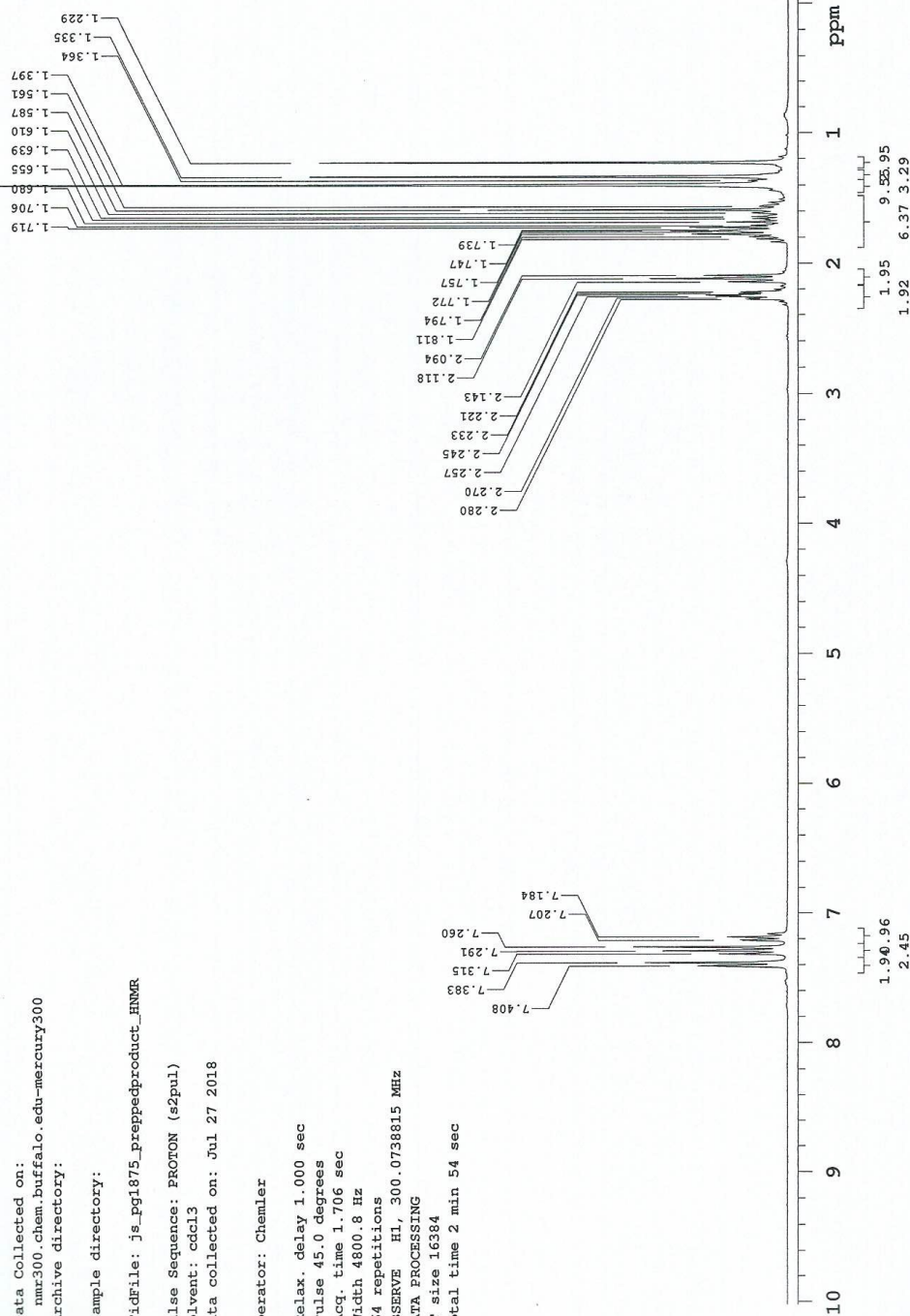
OBSERVE FL 300.0738815 MHz

DATA PROCESSING

Ft size 16384

Total time 2 min 54 sec

Agilent Technologies



b6-R-6-mem-dime-alco-substrate-need-column

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: js_pg1875_preppedproduct_CNMR

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Jul 27 2018

Operator: Chemler

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 0.868 sec

Width 18867.9 Hz

1912 repetitions

OBSERVE C13, 75.4536377 MHz

DECOUPLE H1, 300.0754430 MHz

Power 37 dB

continuously on

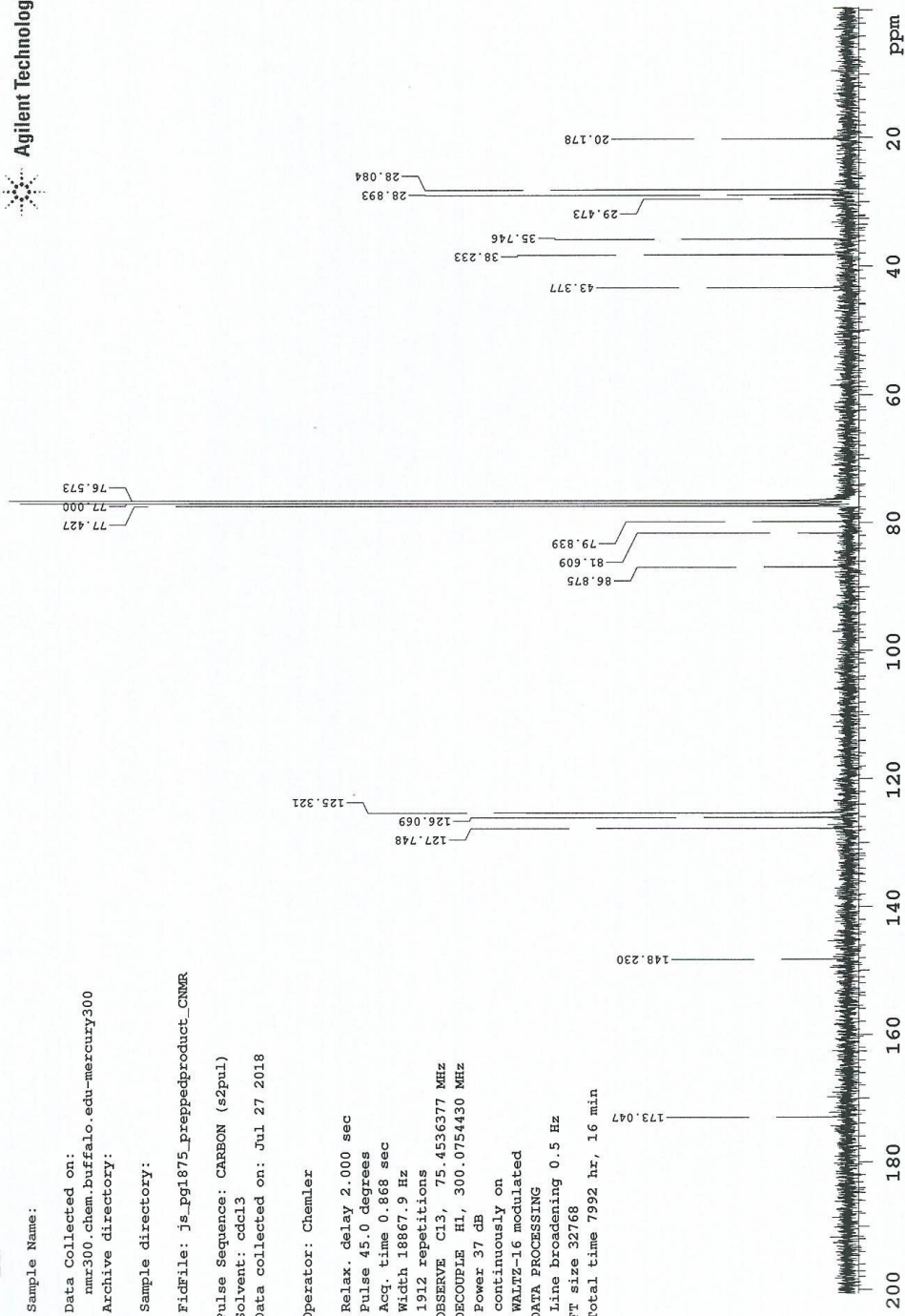
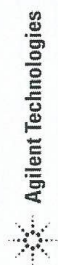
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 32768

Total time 7992 hr, 16 min



JE_2_133_C_7

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

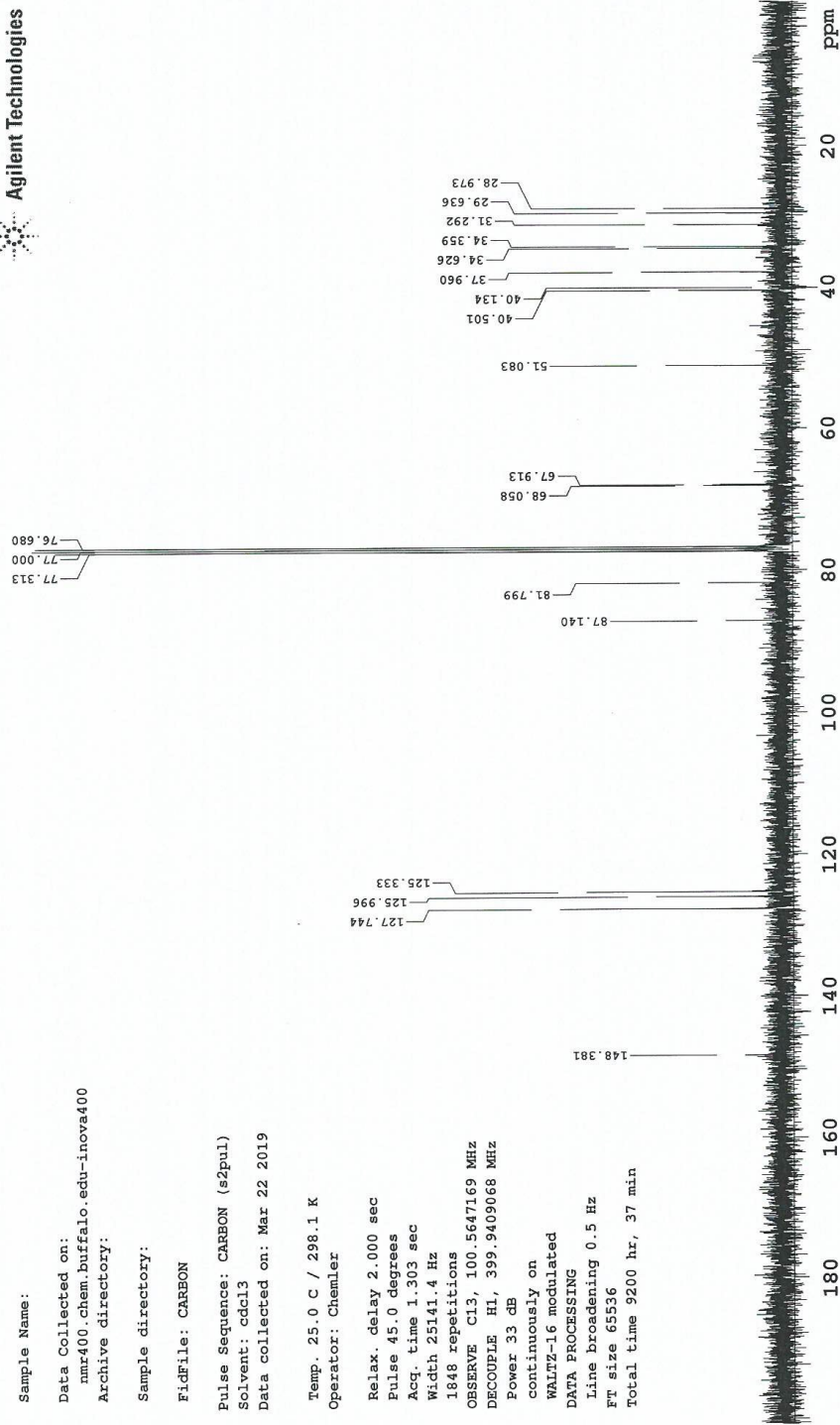
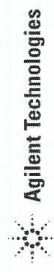
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 22 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
1848 repetitions
OBSERVE C13, 100.5647169 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 9200 hr, 37 min



SG_B2_P53_F30

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

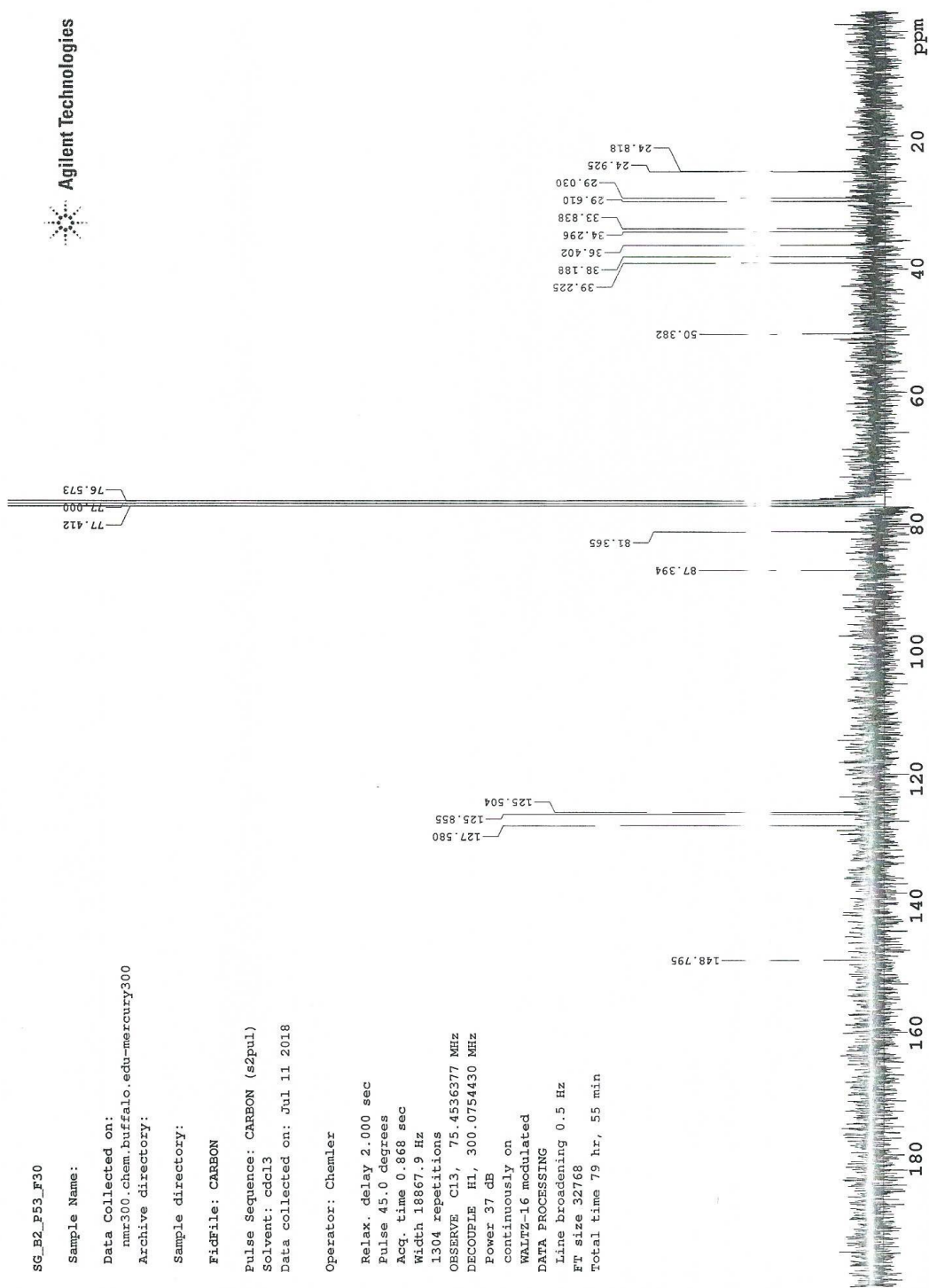
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3
Data collected on: Jul 11 2018

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
1304 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 79 hr, 55 min



b6-R-____-step1-50TBDS-pentan-ol-prd

Sample Name:

Data Collected on:

nmr500c.chem.buffalo.edu-ino500

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 6 2018

Temp. 25.0 C / 298.1 K

operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.048 sec

Width 7998.4 Hz

16 repetitions

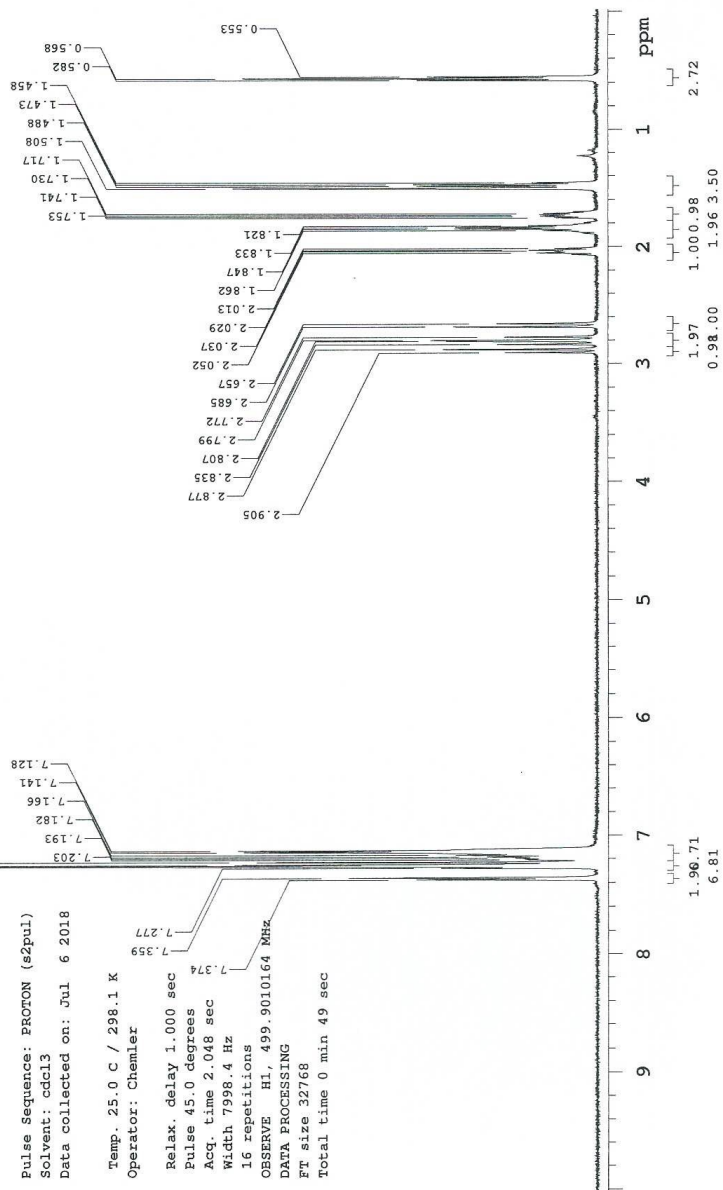
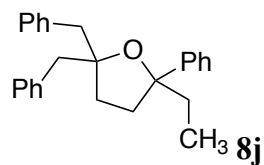
RESERVE HI, 499.901016
ATA PROCESSING

DATA PROCESSING	
T size	32768

```

I size 32768
total time 0 min 49 sec

```



b6-R-____-LDA-isobutyrate-prd-isomer-2-Chiral
 Selective band center: 3.51 (ppm); width: 44.1 (Hz)

Sample Name:

Data Collected on:
 nmr500c.chem.buffalo.edu-inova500
 Archive directory:

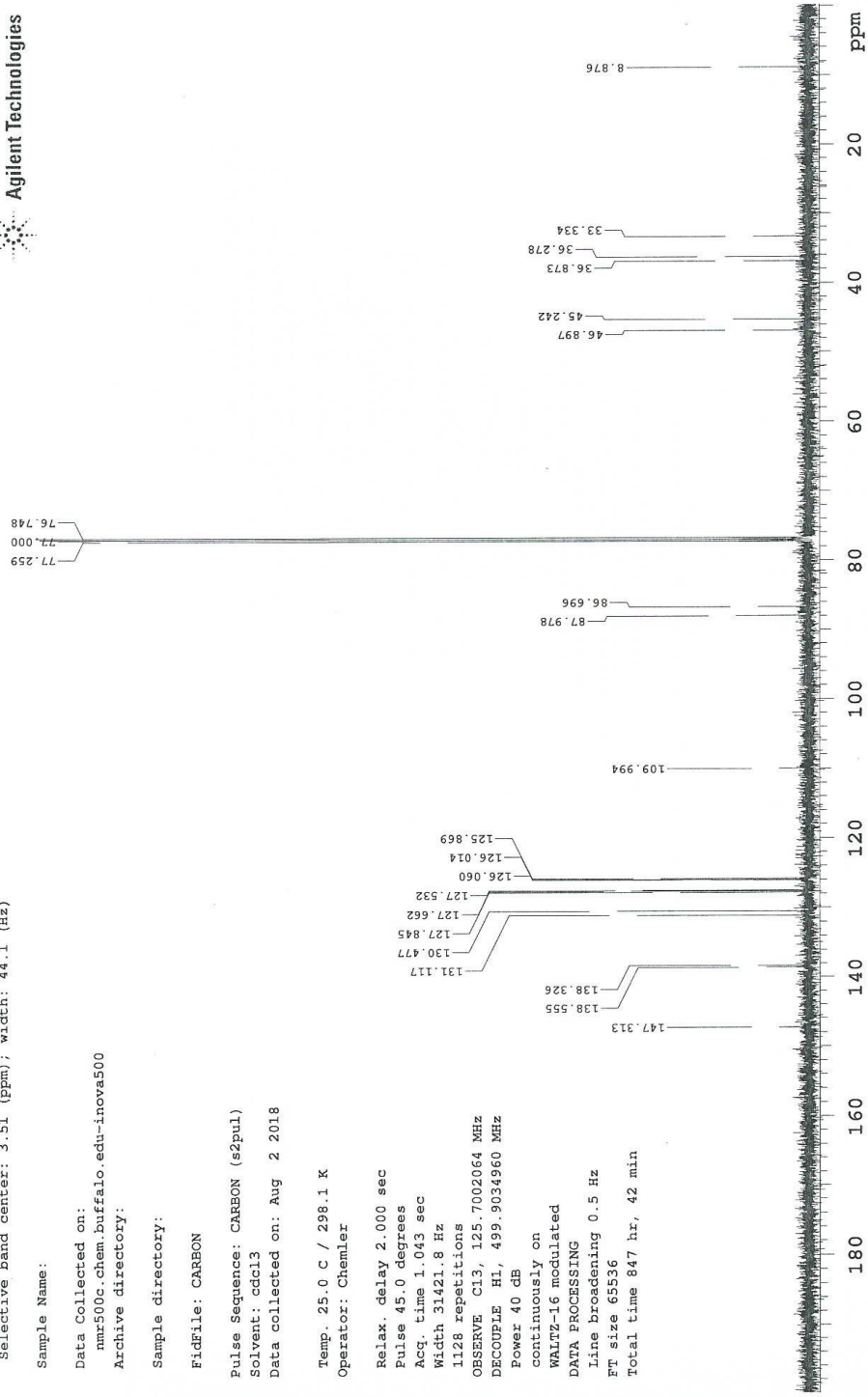
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
 Solvent: cdcl3
 Data collected on: Aug 2 2018

Temp. 25.0 C / 298.1 K
 Operator: Chemler

Relax. delay 2.000 sec
 Pulse 45.0 degrees
 Acq. time 1.043 sec
 Width 31421.8 Hz
 1128 repetitions
 OBSERVE C13, 125.7002064 MHz
 DECOUPLE H1, 499.9034960 MHz
 Power 40 dB
 continuously on
 WALTZ-16 modulated
 DATA PROCESSING
 Line broadening 0.5 Hz
 FT size 65536
 Total time 847 hr, 42 min



SG_B2_P129_F24-25

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Mar 3 2019

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

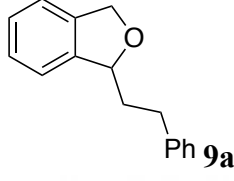
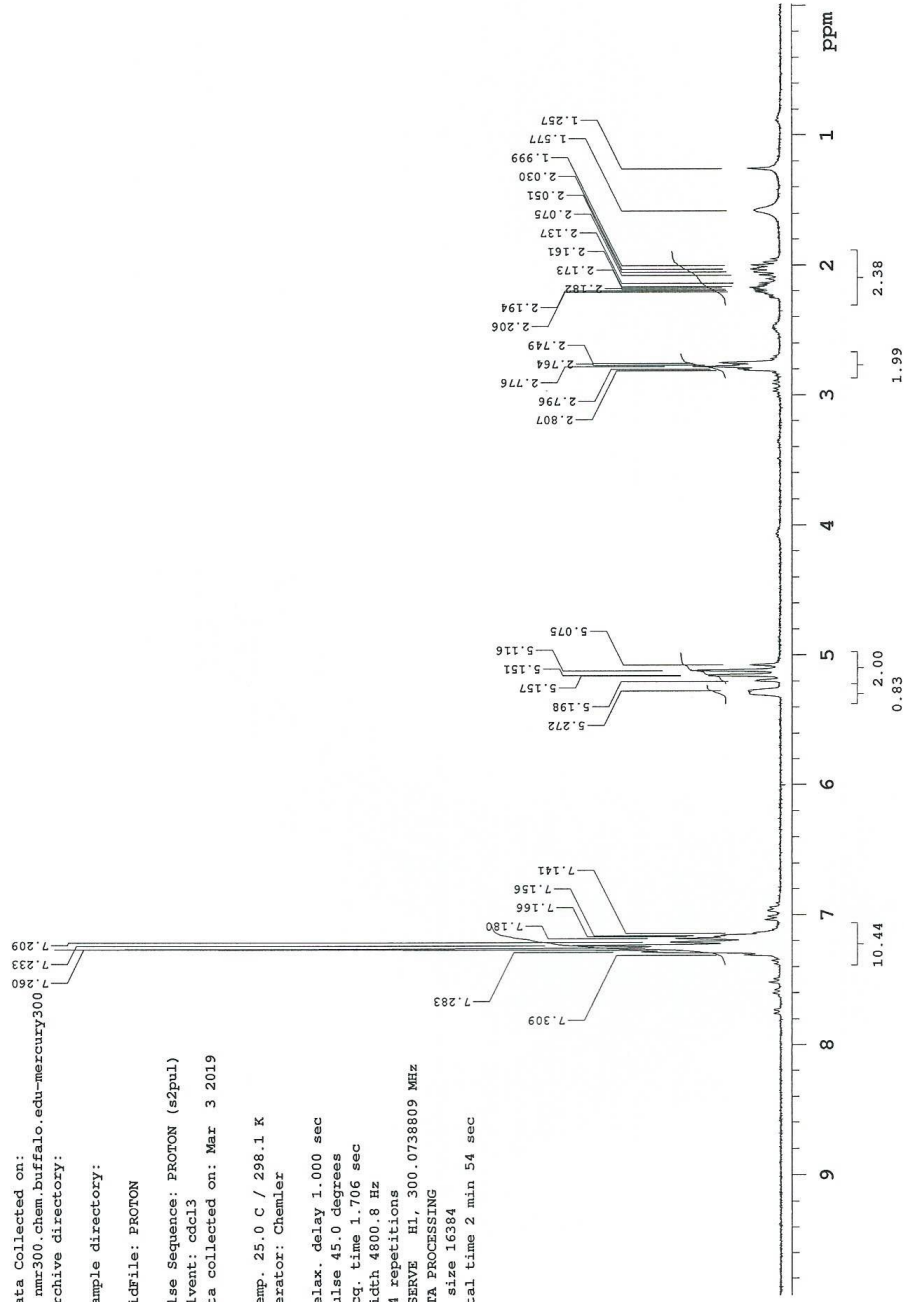
64 repetitions

OBSERVE H1, 300.0738809 MHz

DATA PROCESSING

Ft size 16384

Total time 2 min 54 sec



#Q N2_P129_F24-25

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

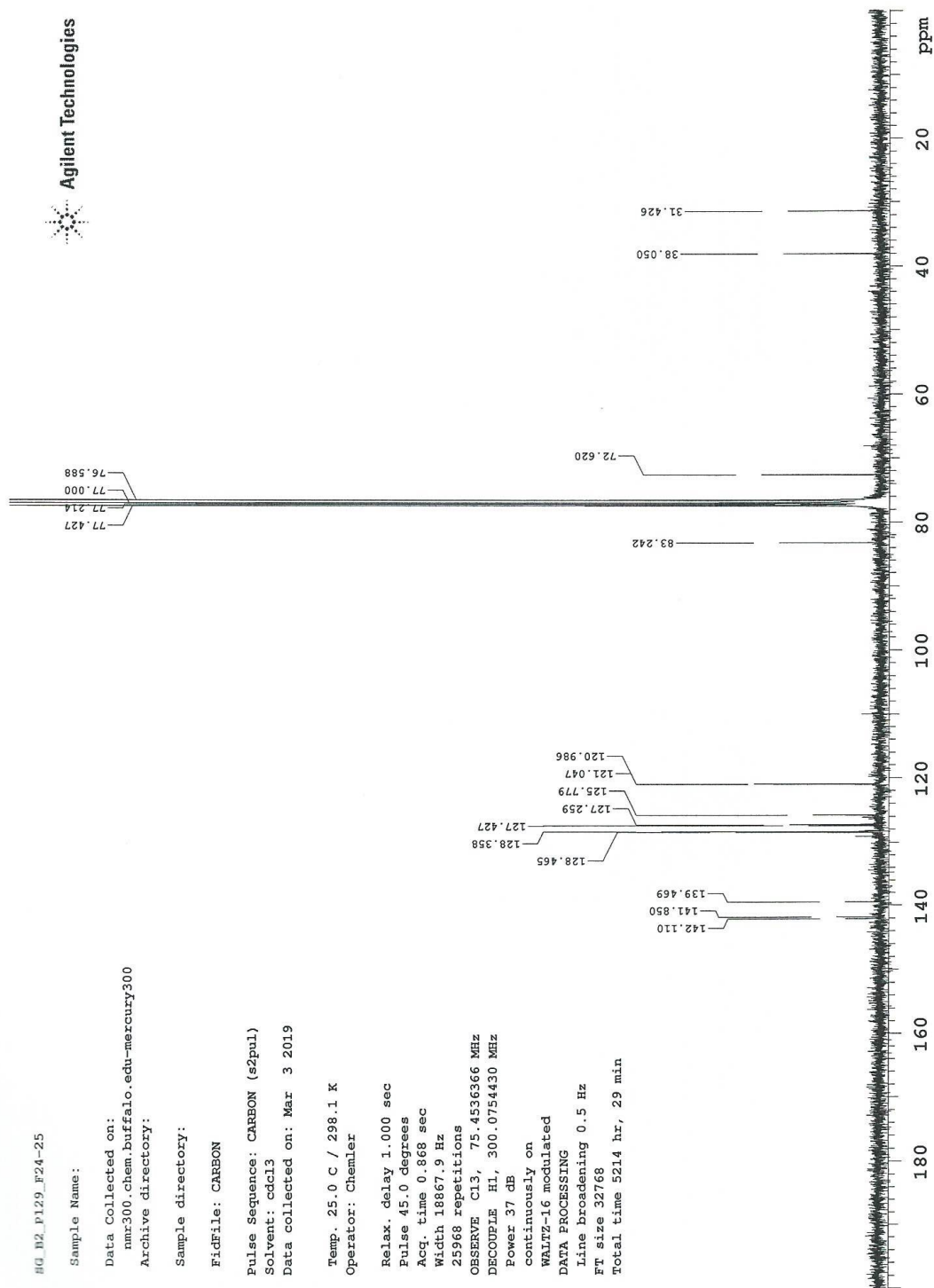
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 3 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
25968 repetitions
OBSERVE C13, 75.4536366 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 5214 hr, 29 min



cdk-b2-r627-spot2

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

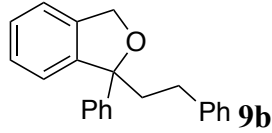
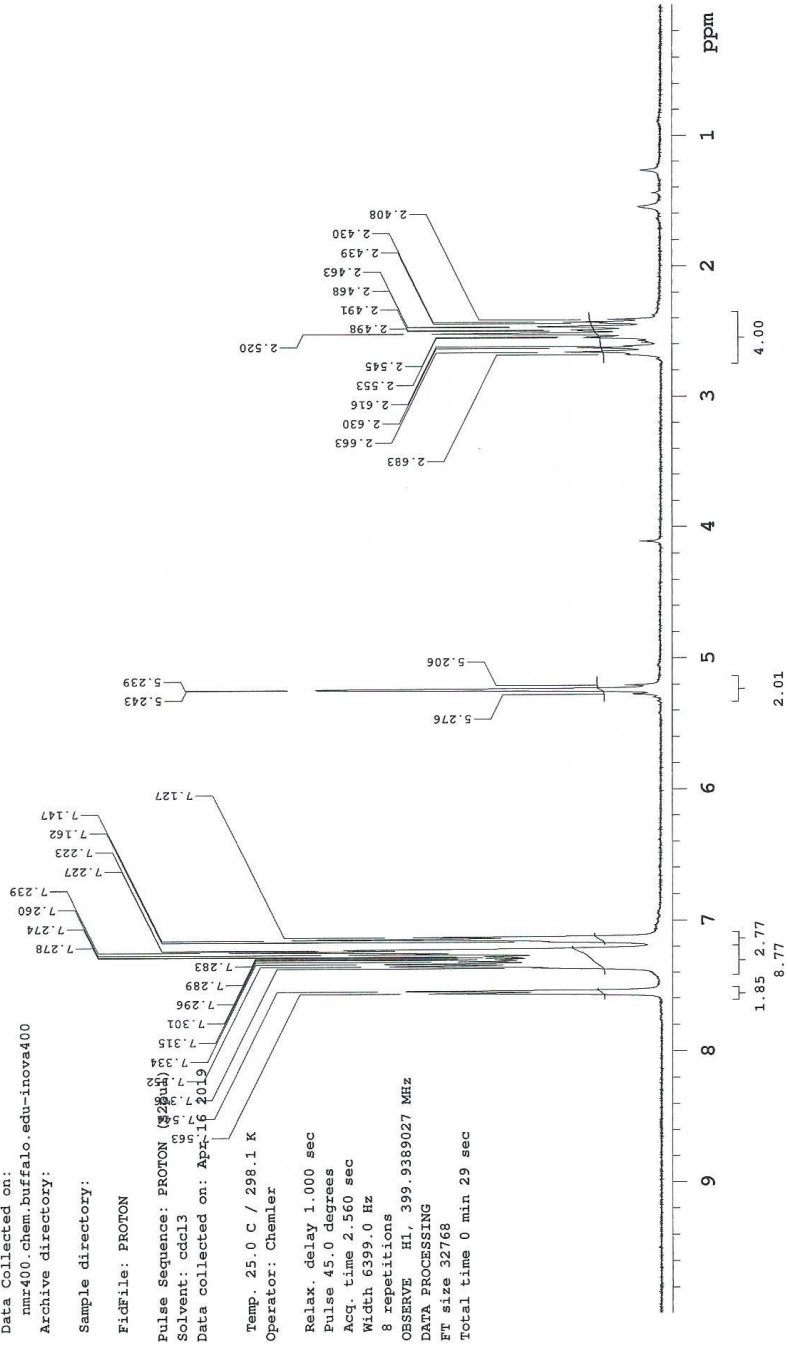
FidFile: PROTON

Pulse Sequence: PROTON (zgpg30)
Solute: cdcl3
Data collected on: Apr-16 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
8 repetitions

OBSERVE H1, 399.9389027 MHz
DATA PROCESSING
Ft size 32768
Total time 0 min 29 sec



cdk-b2-r627-spot2

Sample Name:

Data Collected on: nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: EMBON

Pulse Sequence: EMBON (s2pul)
Solvent: cdcl3
Data collected on: Apr 16 2019

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.368 sec

Width 899104Hz

8888peptabons

OBSERVE CH3, 398.968024 MHz

DECOUPLING 99.9409068 MHz

FWHM 332MHz

TobaccoDynam 29 sec

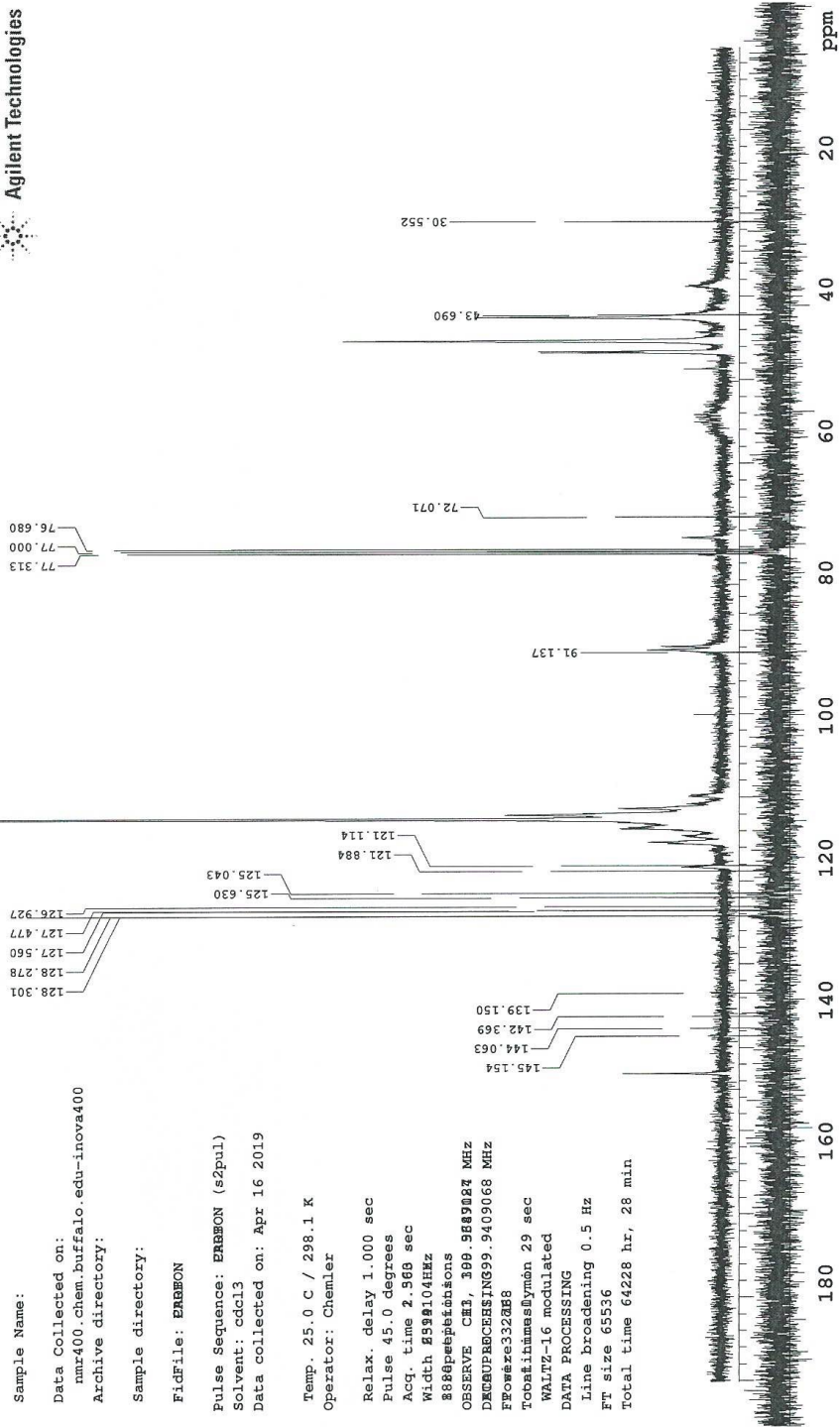
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 64228 hr, 28 min



ib3_14_crude

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3
Data collected on: Jun 4 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

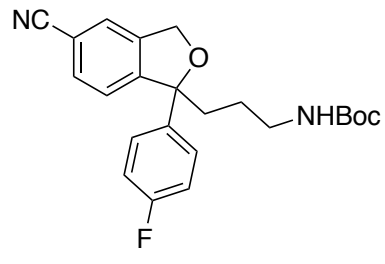
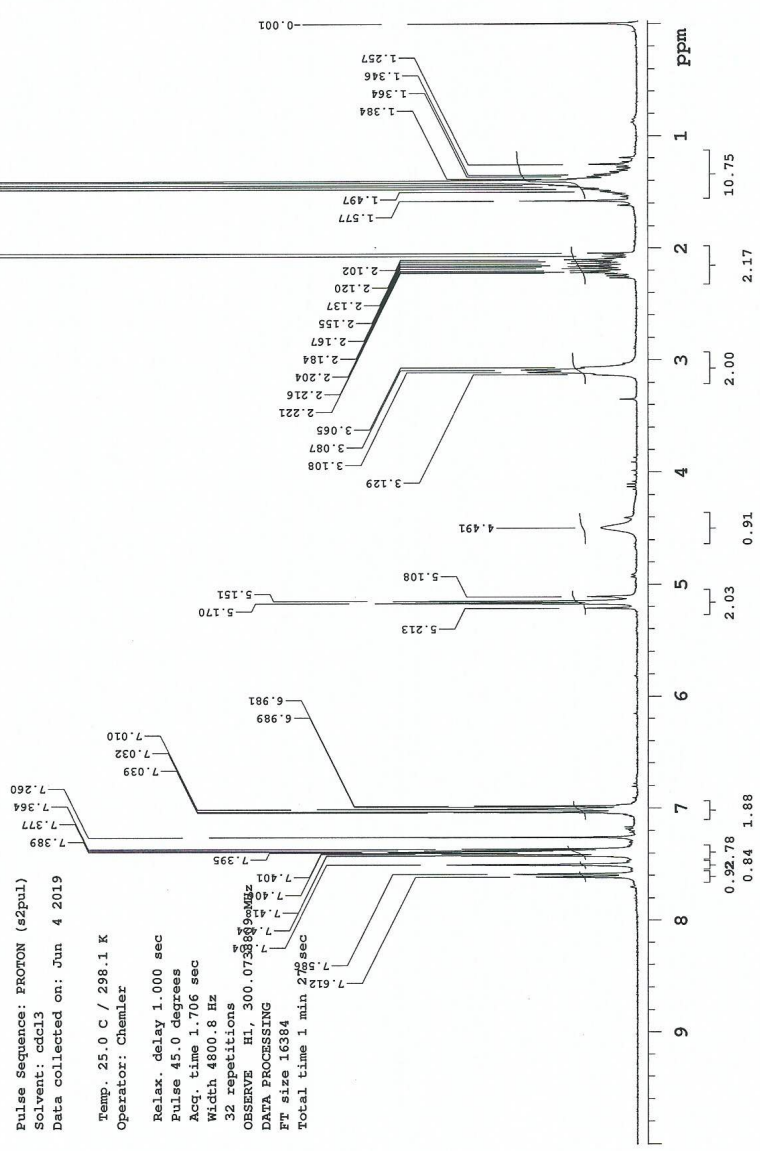
32 repetitions

OBSERVE H1, 300.075869 MHz

DATA PROCESSING

FT size 16384

Total time 1 min 27.8 sec



9c

RC19-B1-F32-F35

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

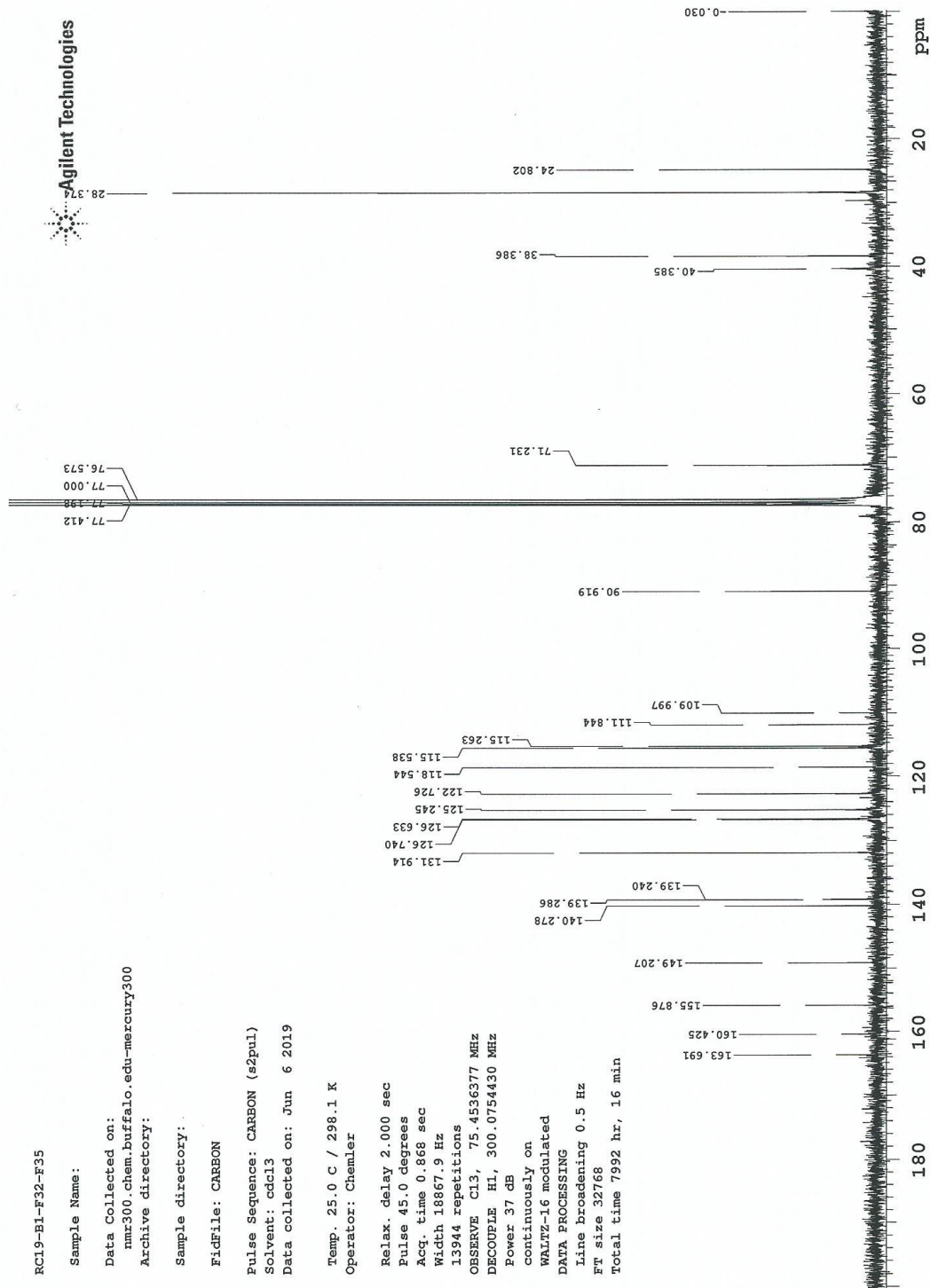
Sample directory:

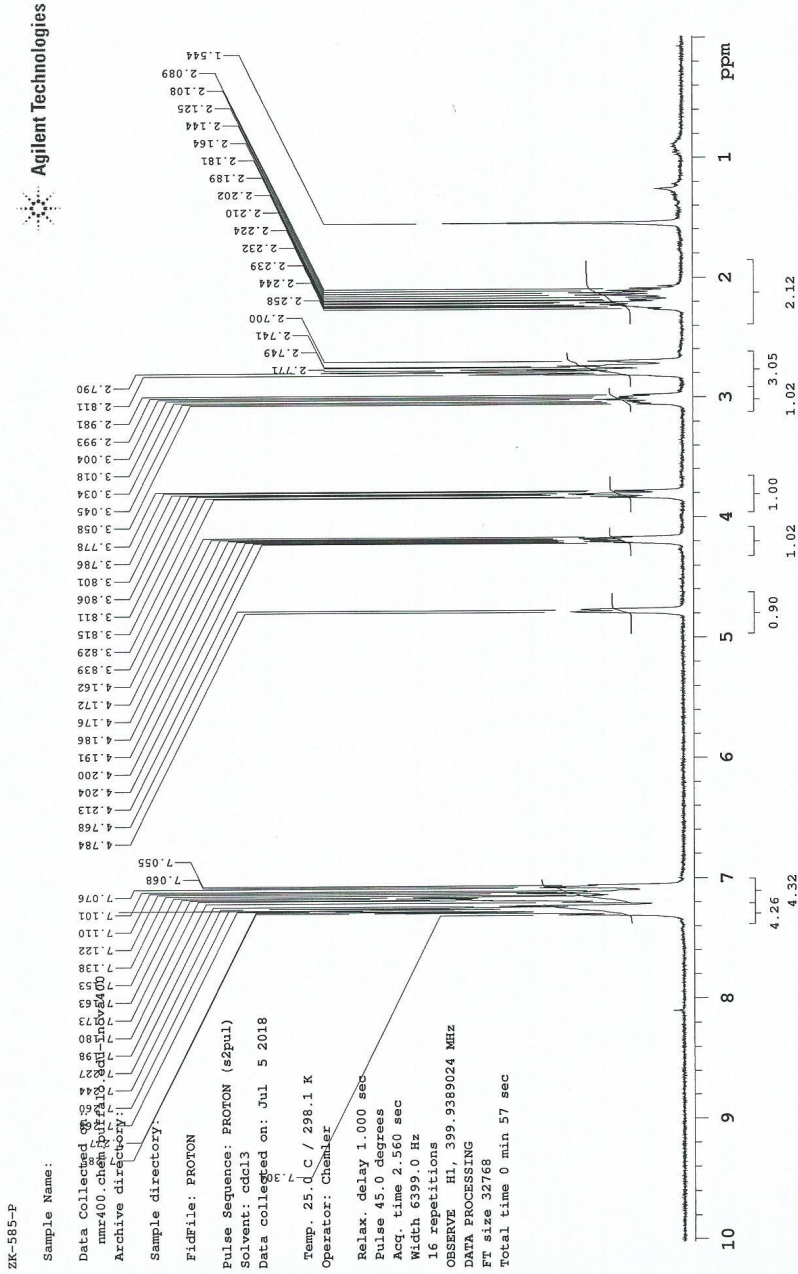
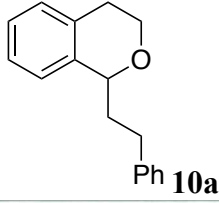
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jun 6 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
13944 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 7992 hr, 16 min





b6-R-_-50NEDFS-step8-spot-below-aldehyde-from-PhIOAc2-step

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

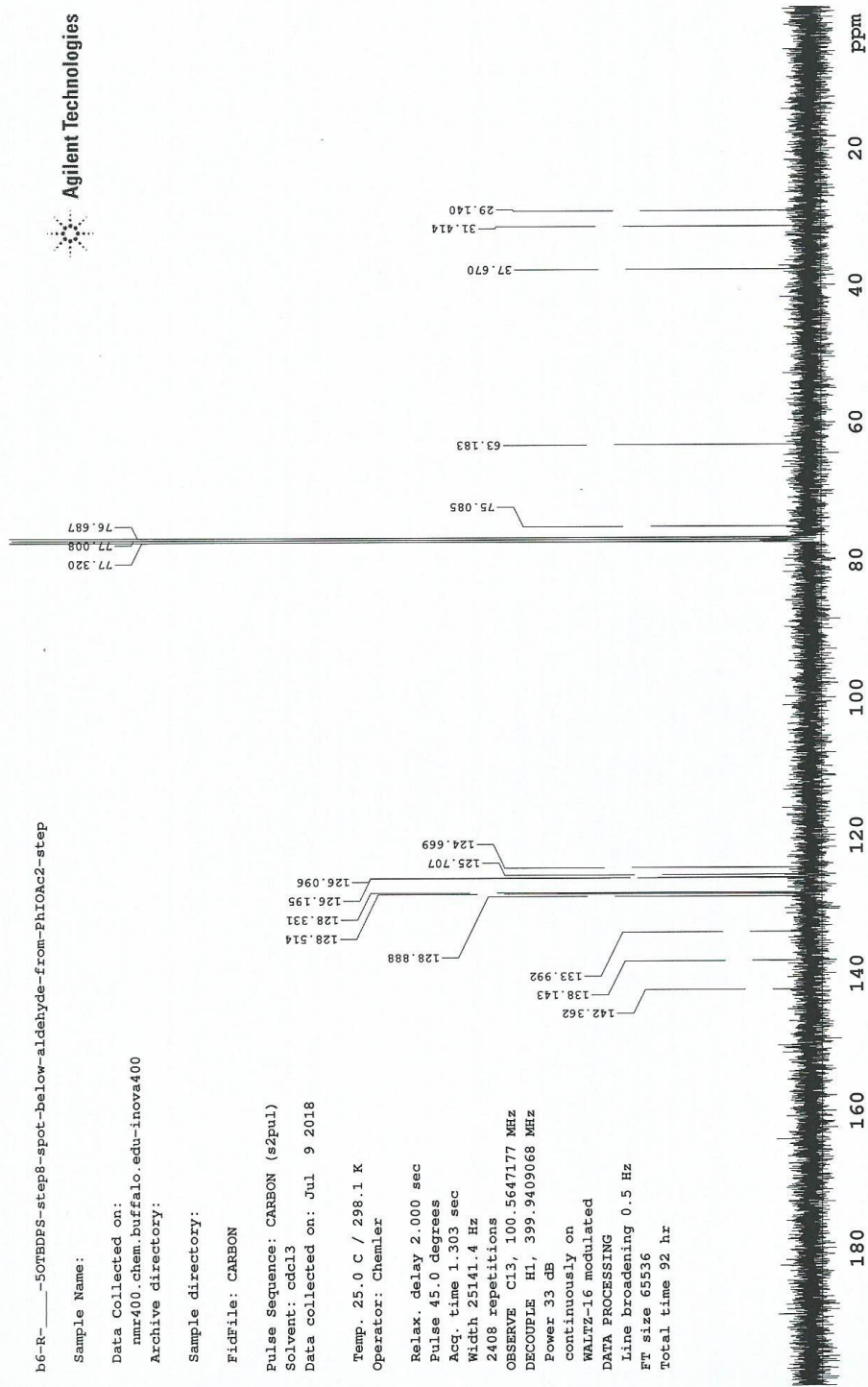
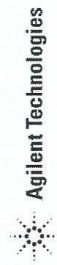
FidFile: CARBON

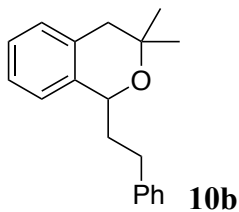
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 9 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
2408 repetitions

OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 92 hr





SB_293_f38to42

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jan 22 2019

Temp. 22.0 C / 295.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

8 repetitions

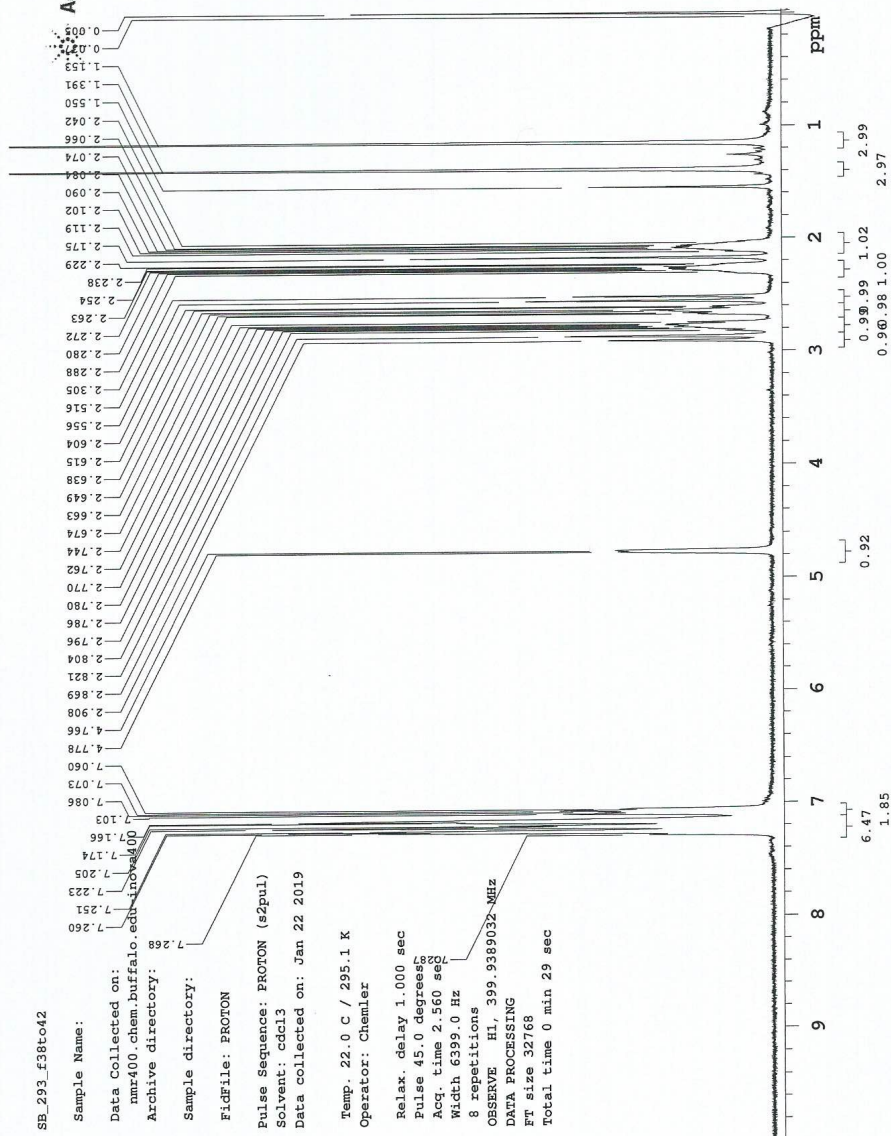
OBSERVE H1, 399.9389032 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 29 sec

Agilent Technologies



SB_293_f38to42

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

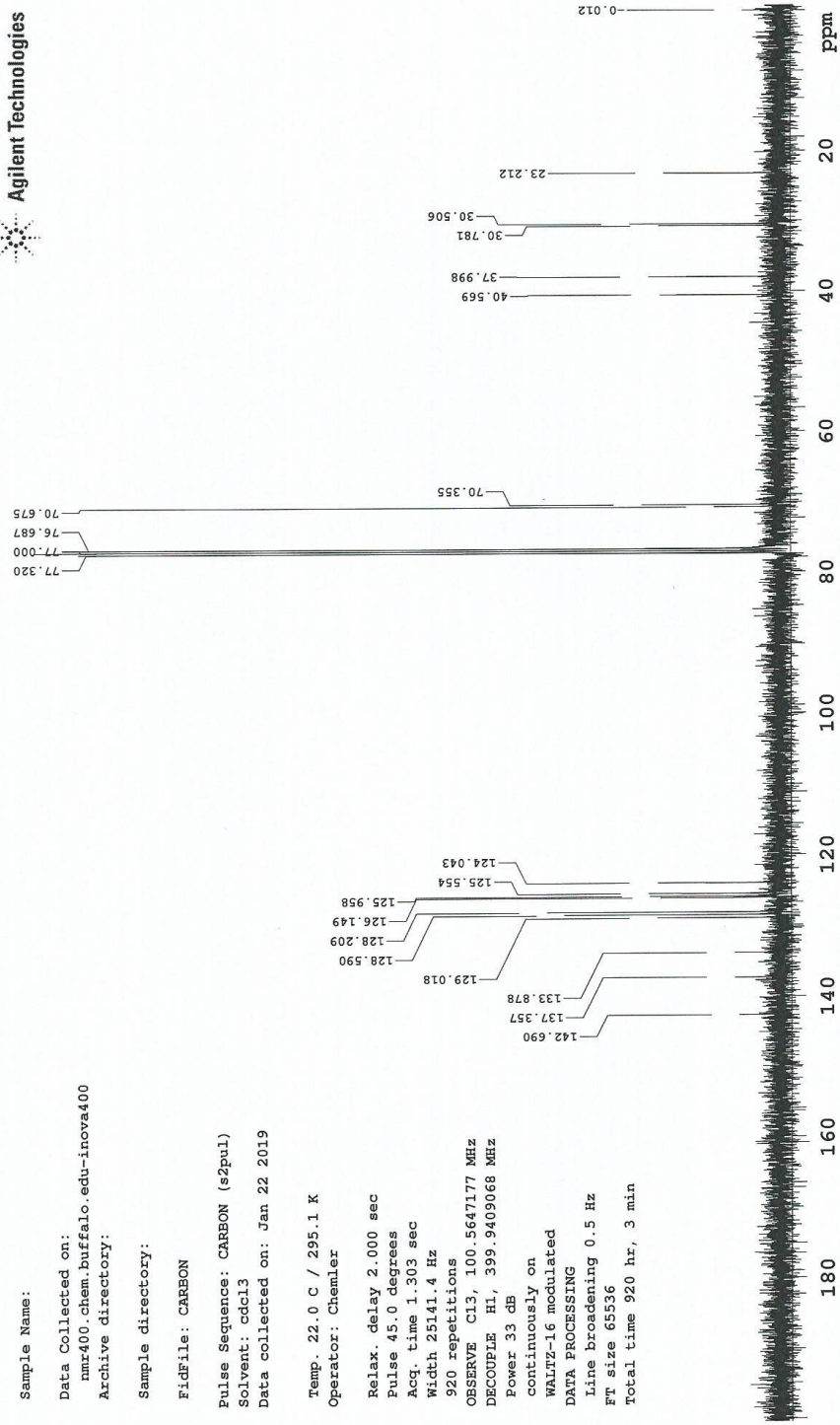
FidFile: CARBON

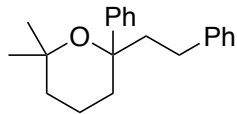
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 22 2019

Temp. 22.0 C / 295.1 K
Operator: Chemler

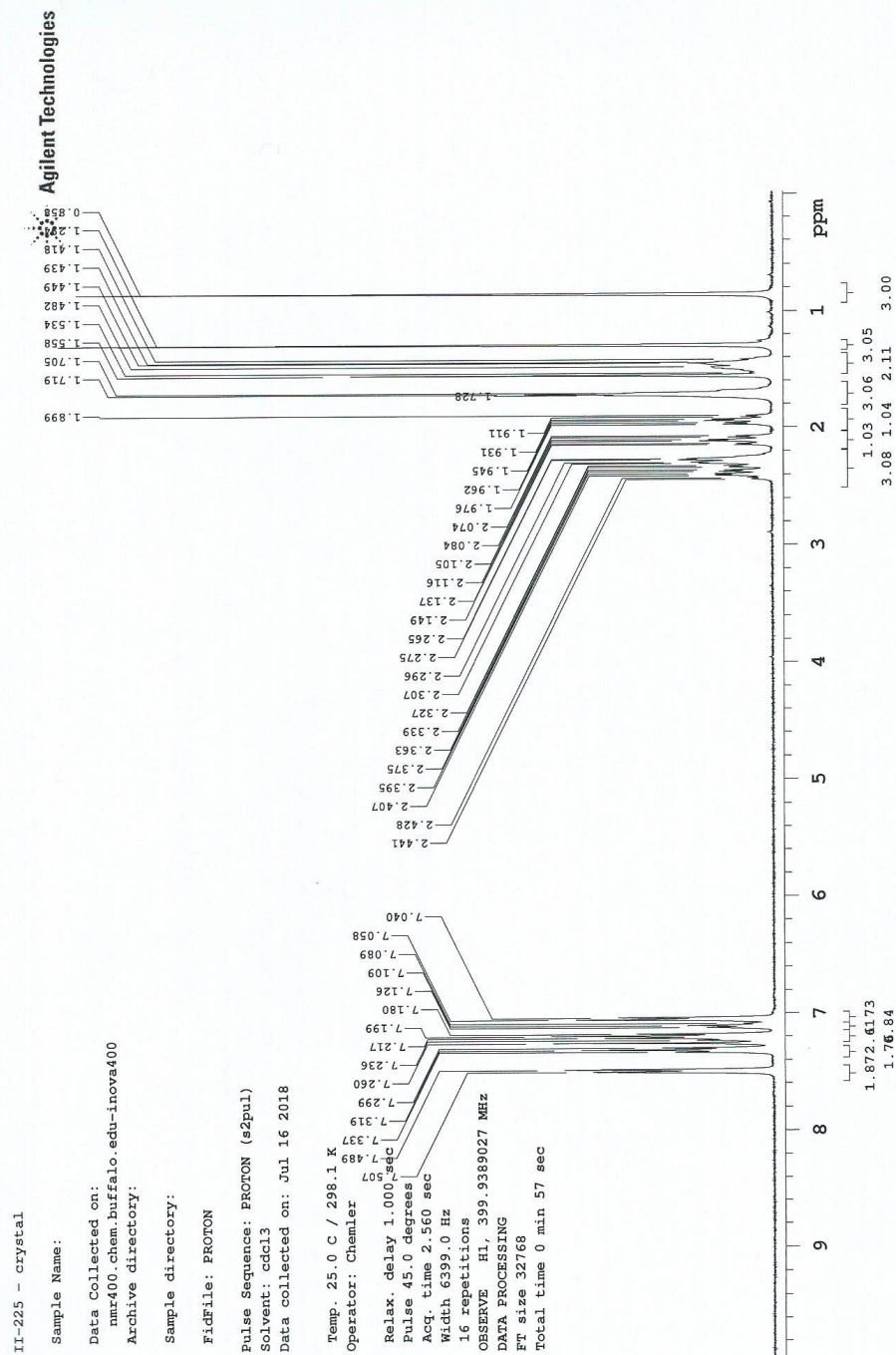
Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz

920 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 920 hr, 3 min





10c



II-225 - crystal

Sample Name:

Data Collected on:
nmr-400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

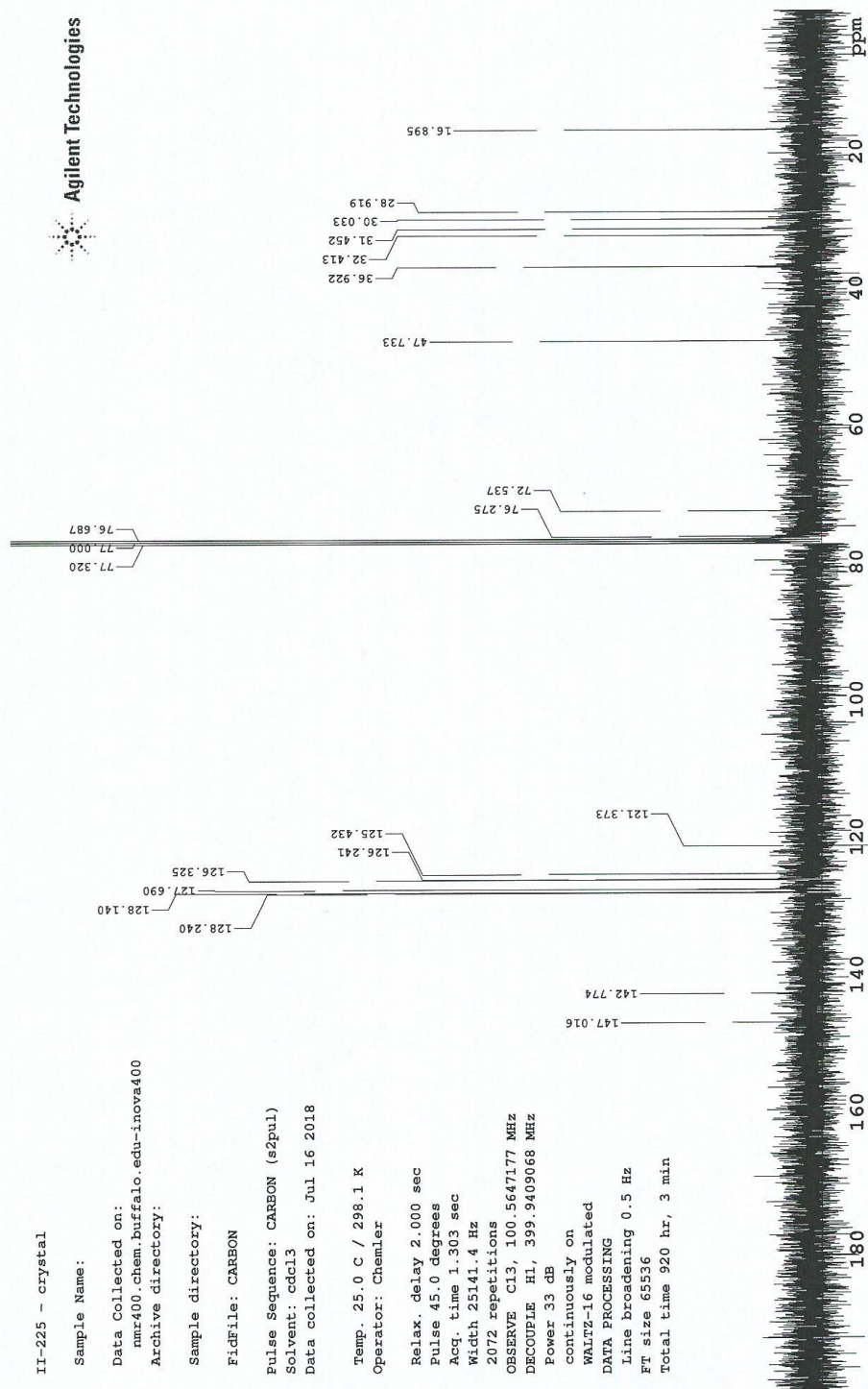
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 16 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
2072 repetitions

OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 920 hr, 3 min



JE_2_129_crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Mar 7 2019

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

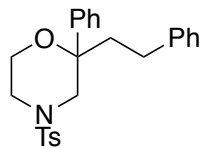
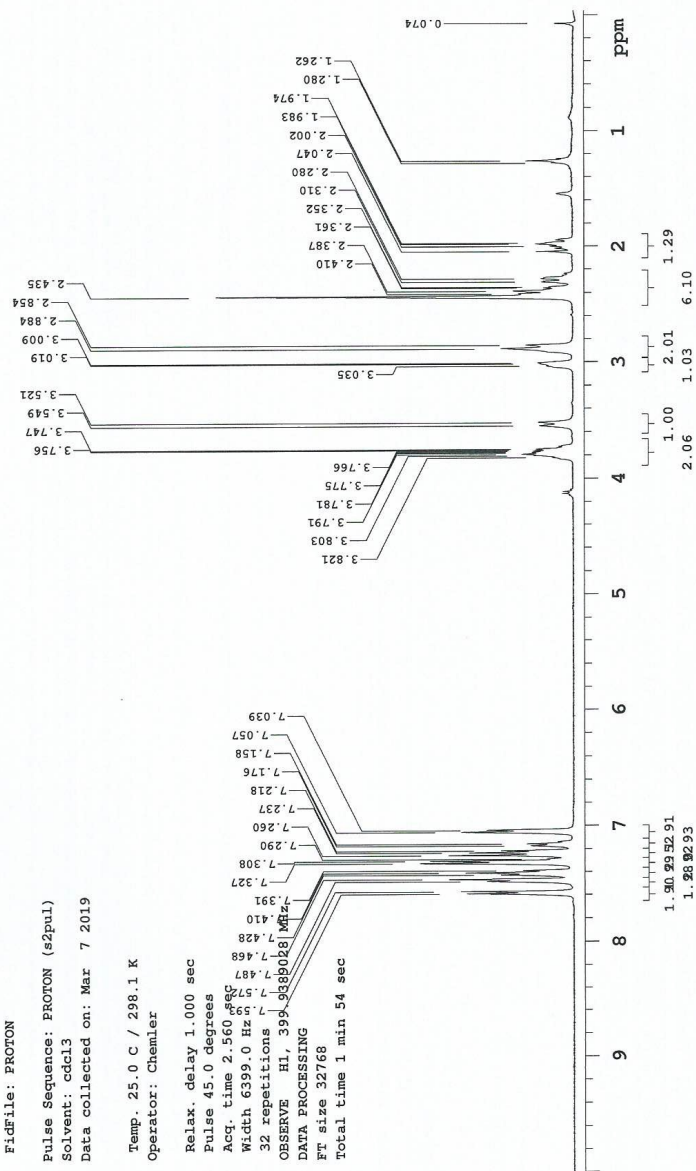
32 repetitions

OBSERVE H1, 399.9389028 MHz

DATA PROCESSING

Ft size 32768

Total time 1 min 54 sec



10d

ASB-B__allylal-c-biphenyl-ketal-colpure

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

File: CARBON

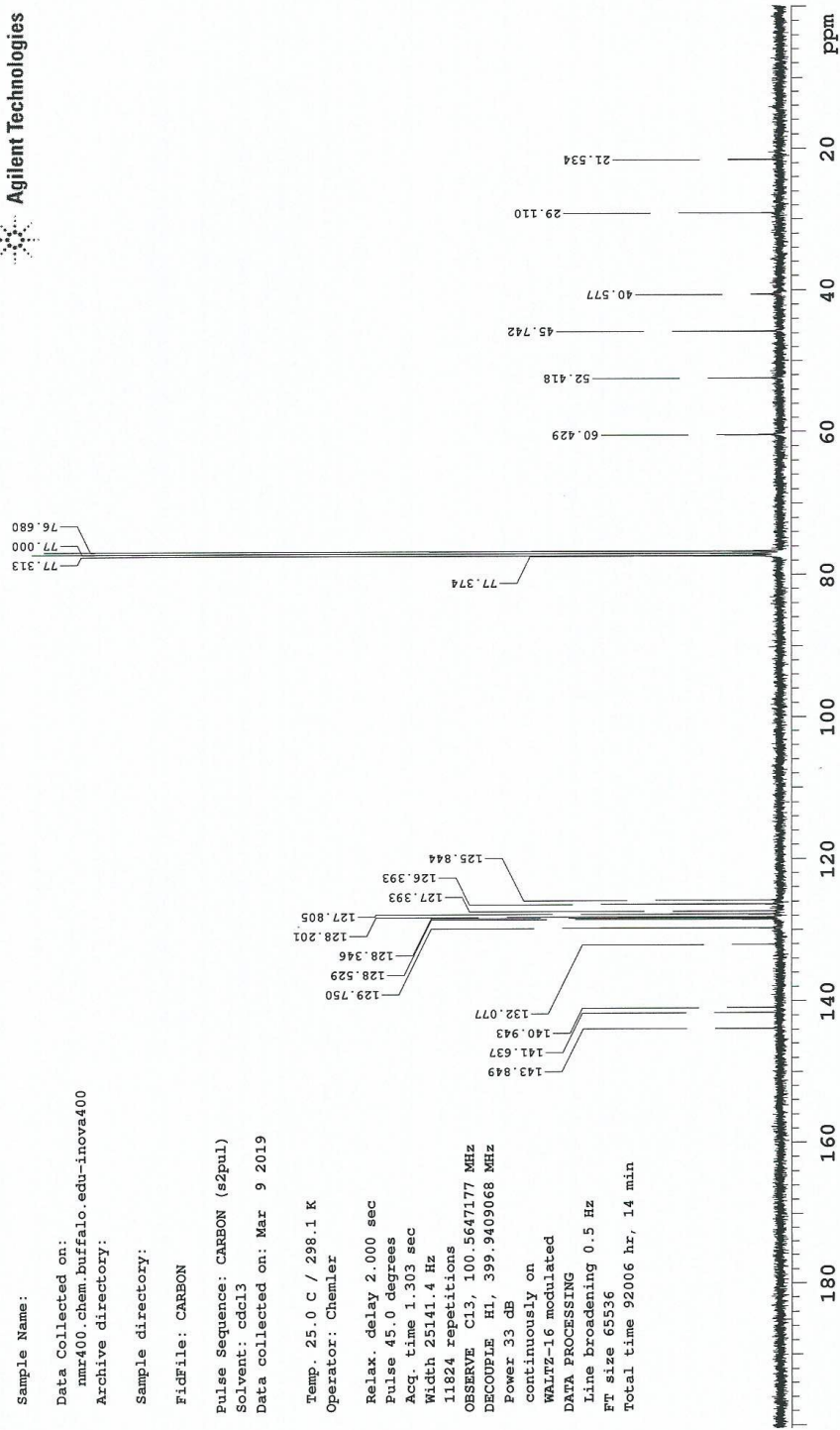
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 9 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
11824 repetitions

OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated

DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 92006 hr, 14 min



SG_B2_F128_Crude

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

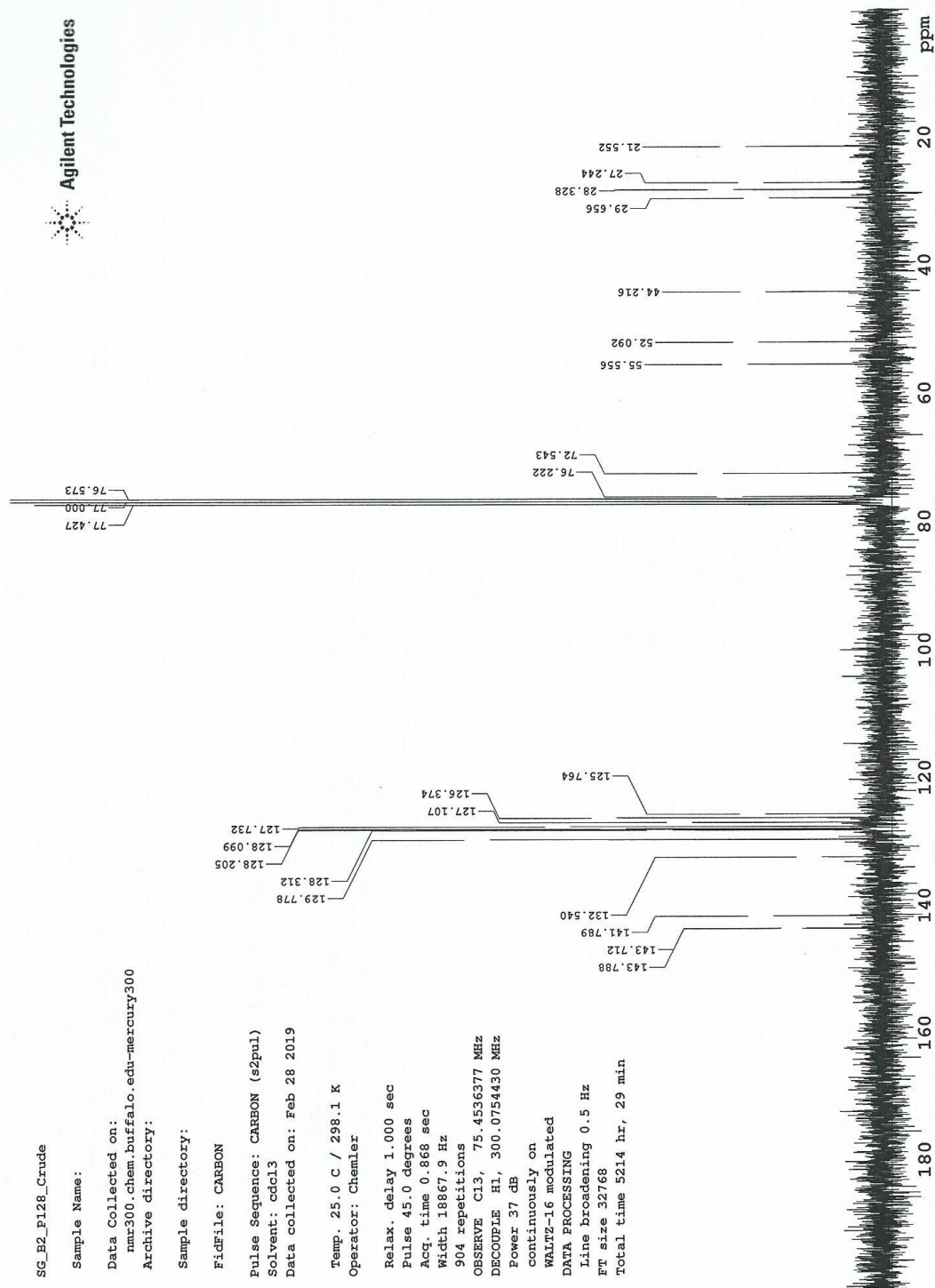
Sample directory:

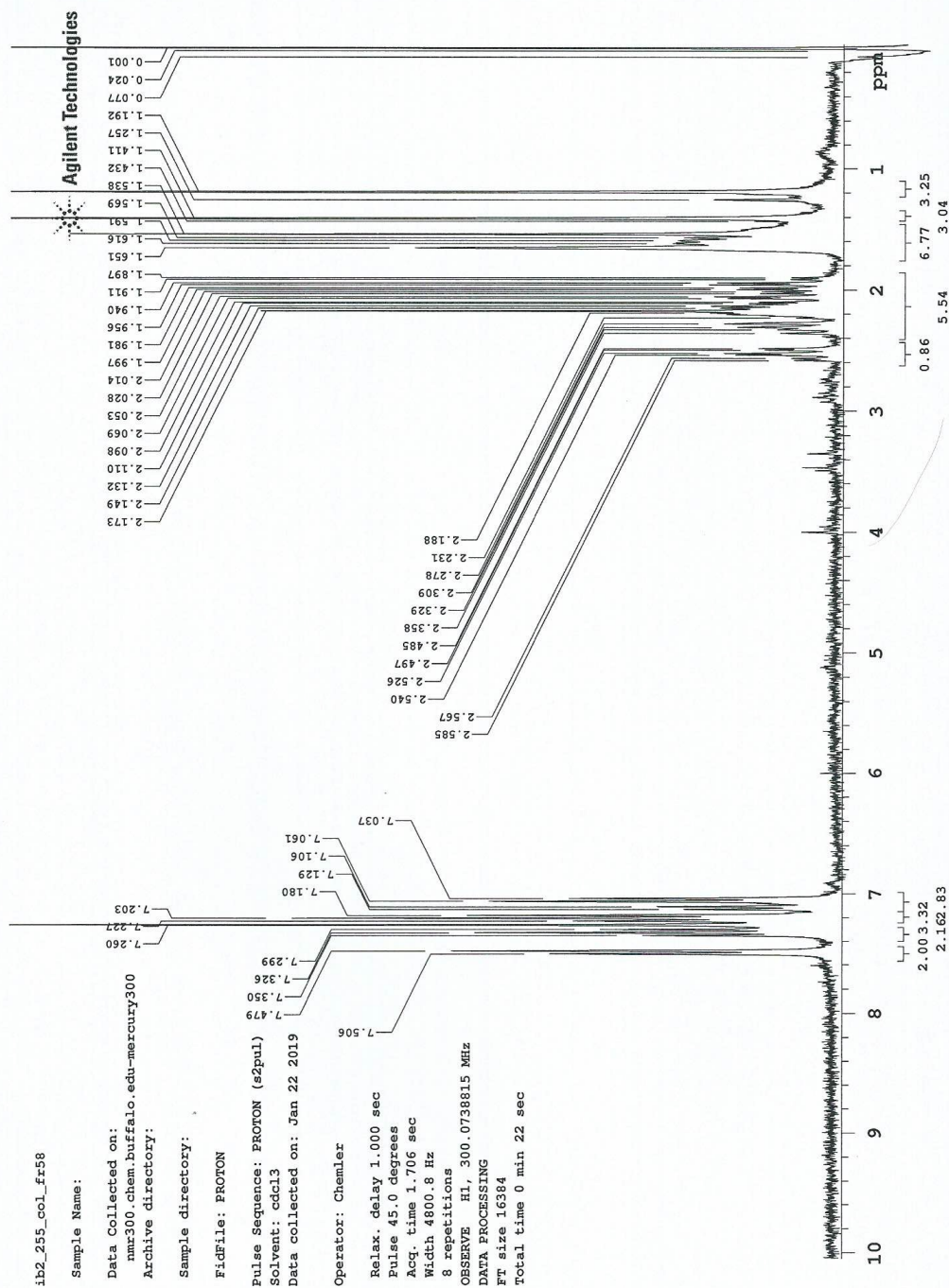
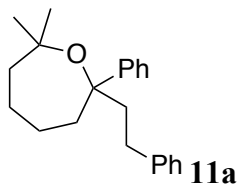
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 28 2019

Temp. 25.0 C / 298.1 K
Operator: Chemier

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
904 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 5214 hr, 29 min





ib2_255_col_fr58

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

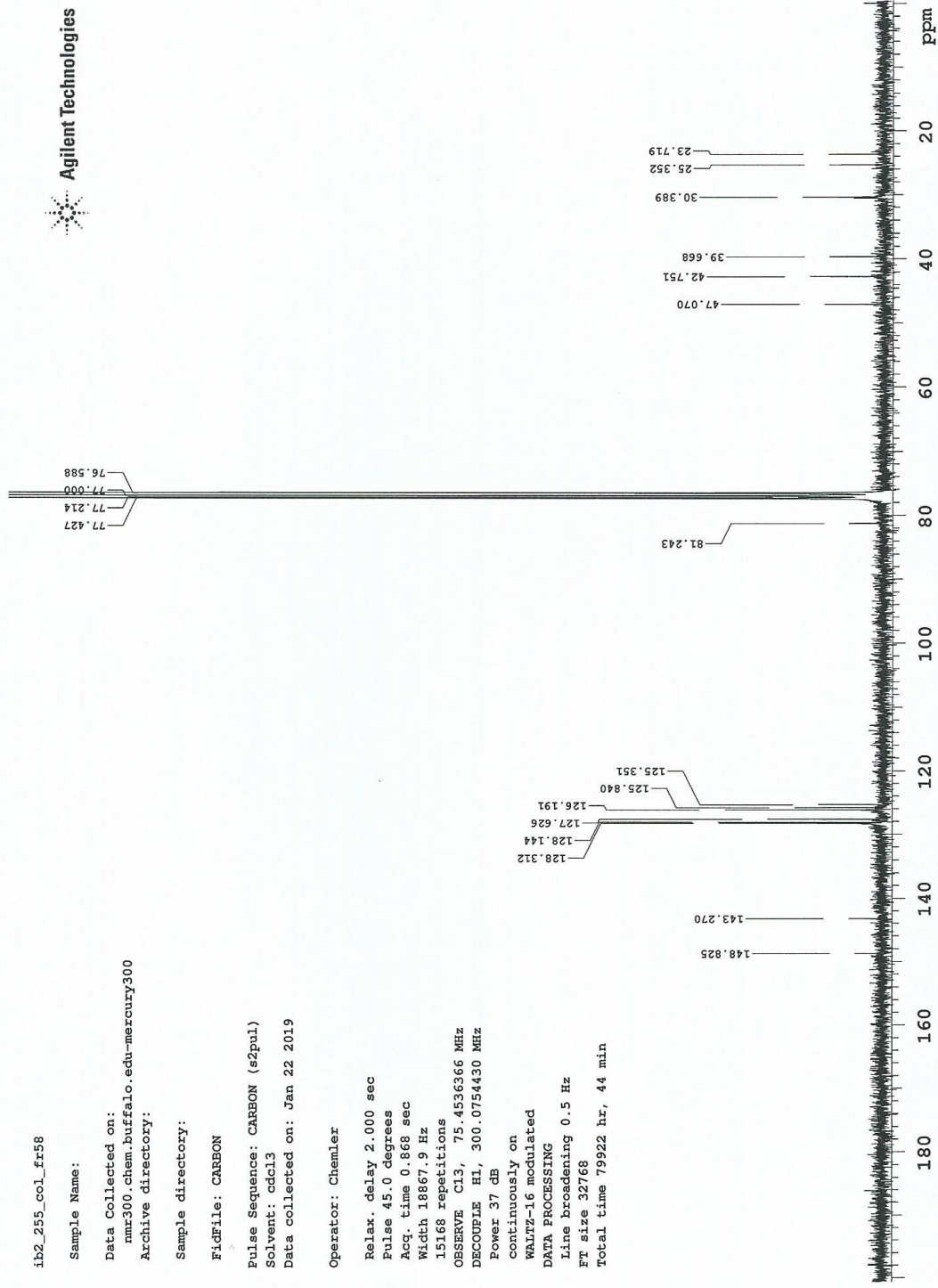
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 22 2019

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
15168 repetitions
OBSERVE C13, 75.4536366 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 79922 hr, 44 min



SG_R2_P129_F24-25

Sample Name:

Data Collected on:

nmr300 chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Mar 3 2019

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

32 repetitions

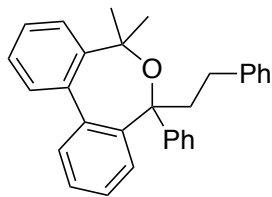
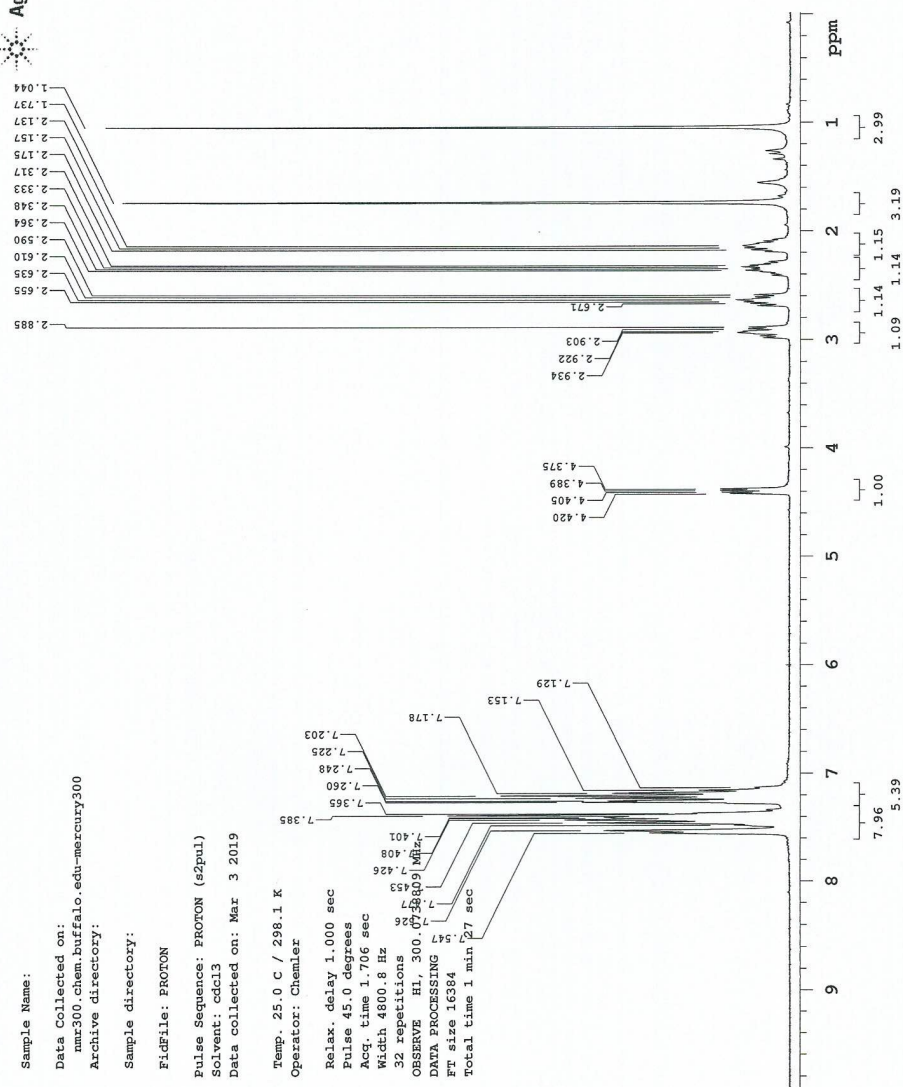
OBSERVE H1, 300.13609 MHz

DATA PROCESSING

Ft size 16384

Total time 1 min 27 sec

Agilent Technologies



11b

SG_B2_P129_F24-25

Sample Name:

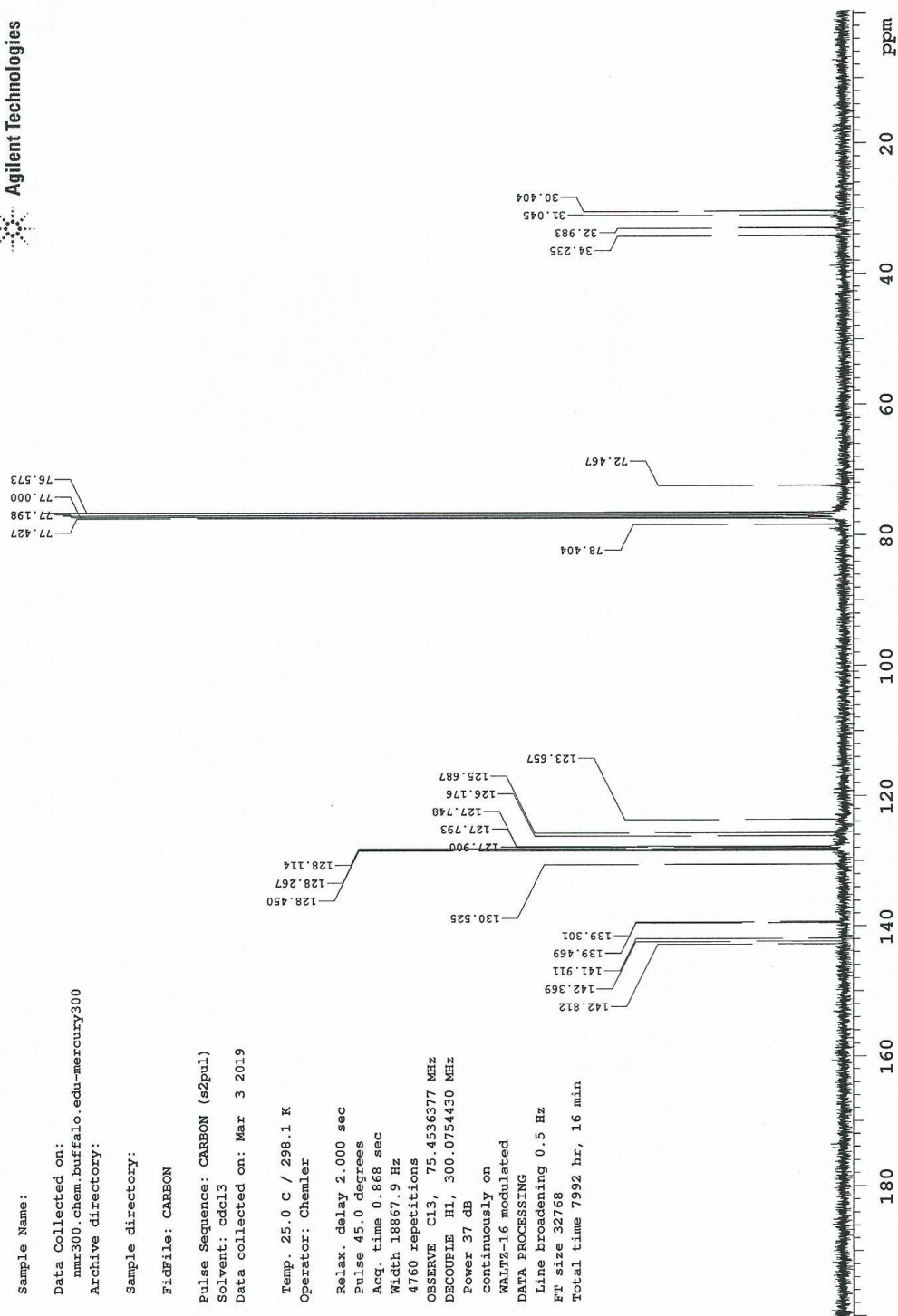
Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

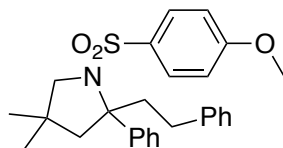
Sample directory:

FidFile: CARBON

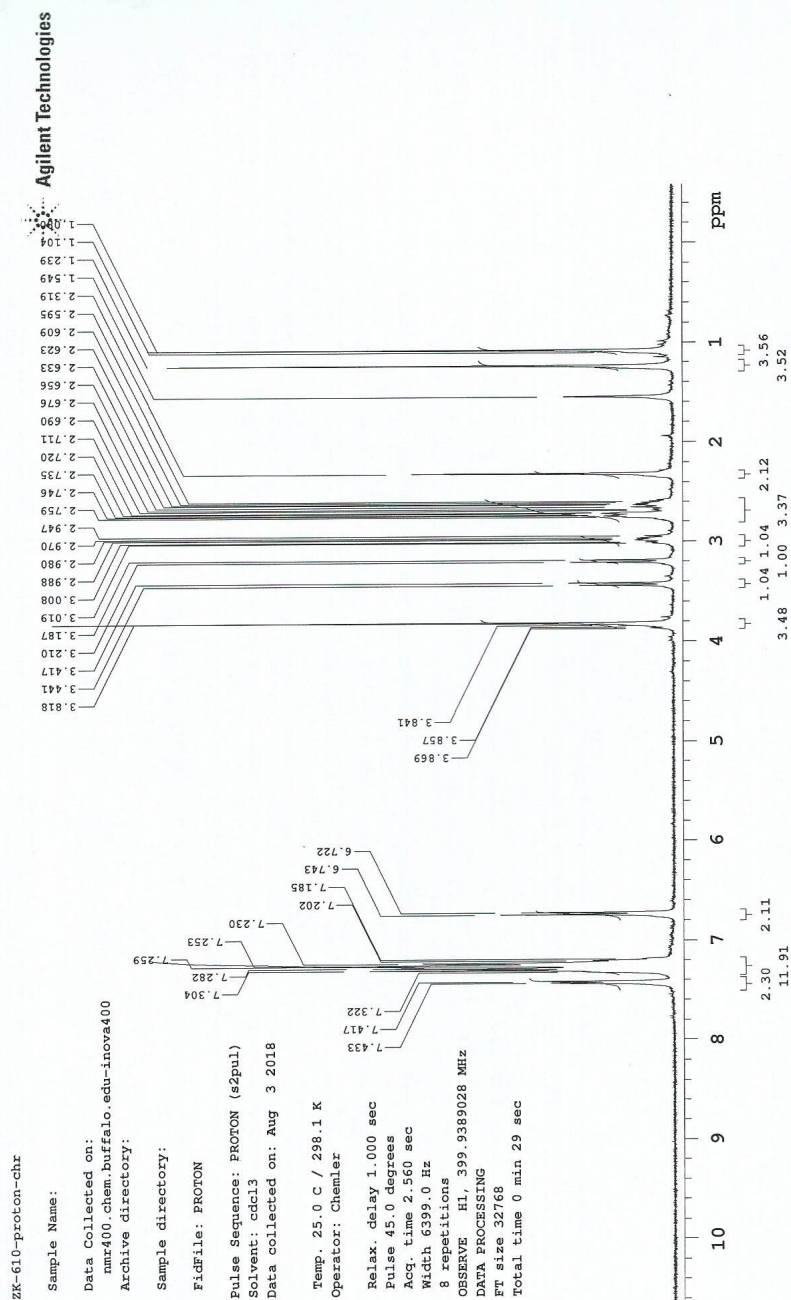
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Mar 3 2019

Temp. 25.0 C / 298.1 K
Operator: Chemler
Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
4760 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 7992 hr, 16 min





12a



2K-610-chr

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

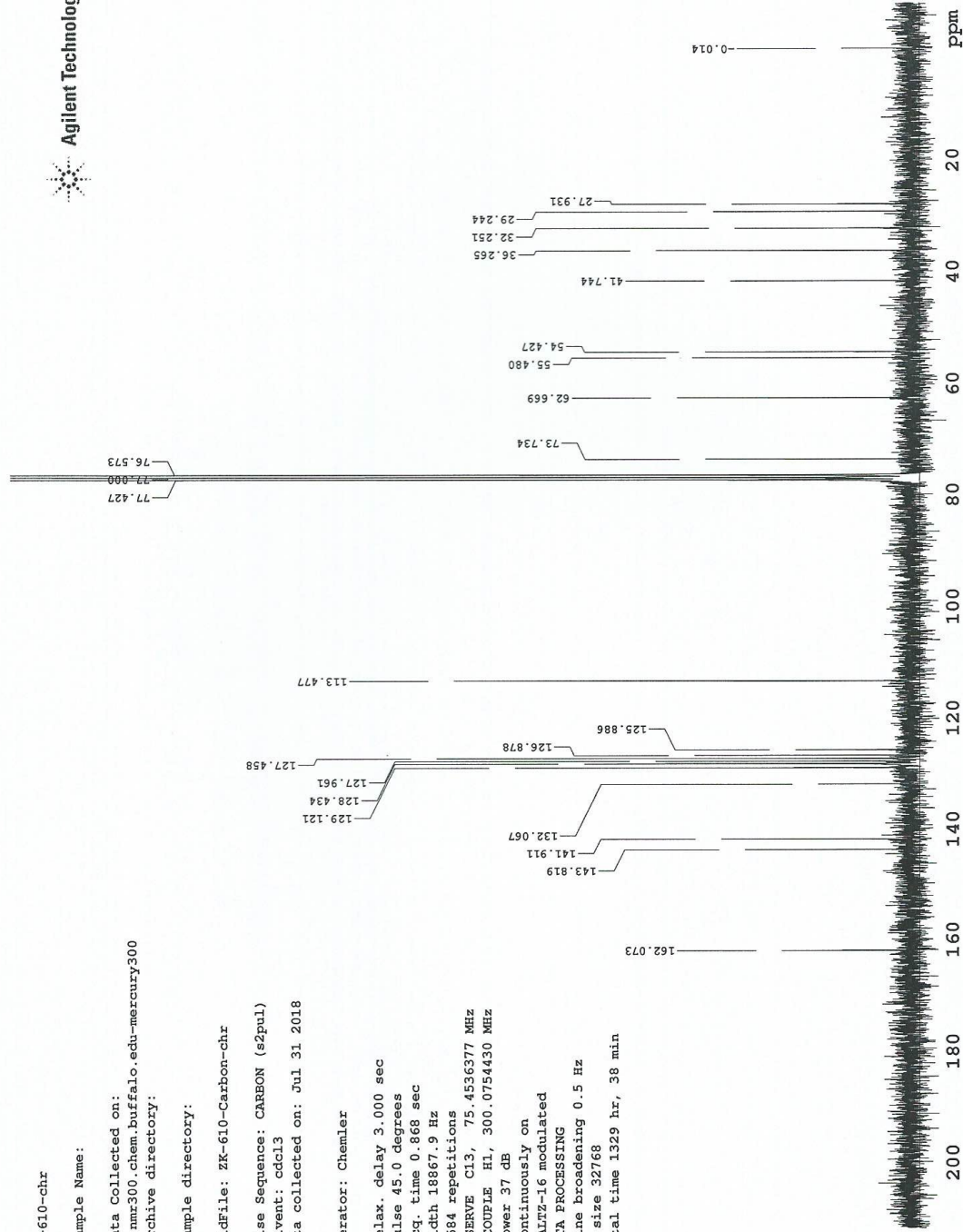
Sample directory:

FidFile: 2K-610-Carbon-chr

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jul 31 2018

Operator: Chemler

Relax. delay 3.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
3584 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 1329 hr, 38 min



JE_2_48_D

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300

Archive directory:

Sample directory:

File: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 13 2018

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

16 repetitions

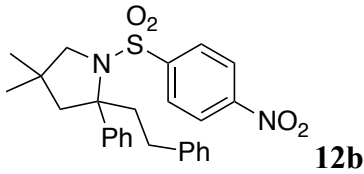
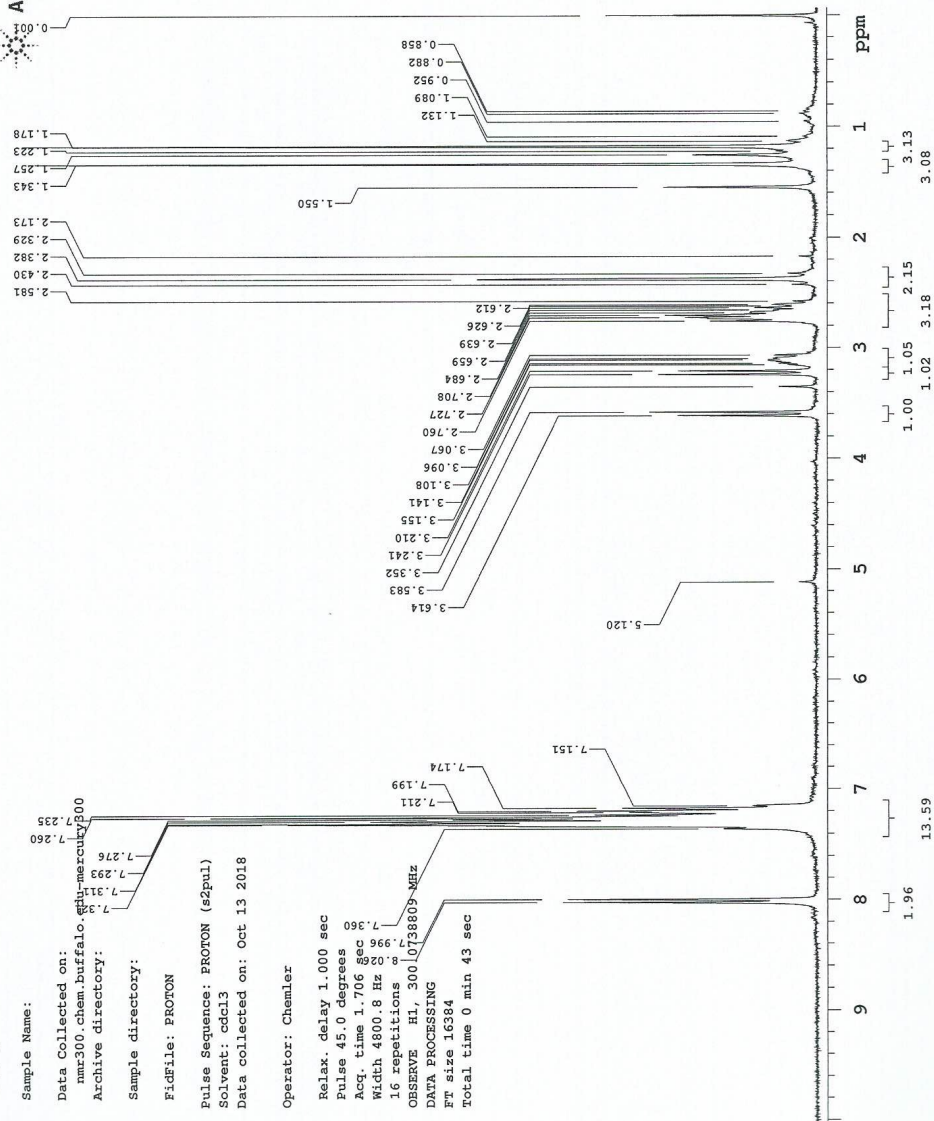
OBSERVE H1, 300 [0]38809-MHz

DATA PROCESSING

FT size 16384

Total time 0 min 43 sec

Agilent Technologies



JE_2_48_D

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

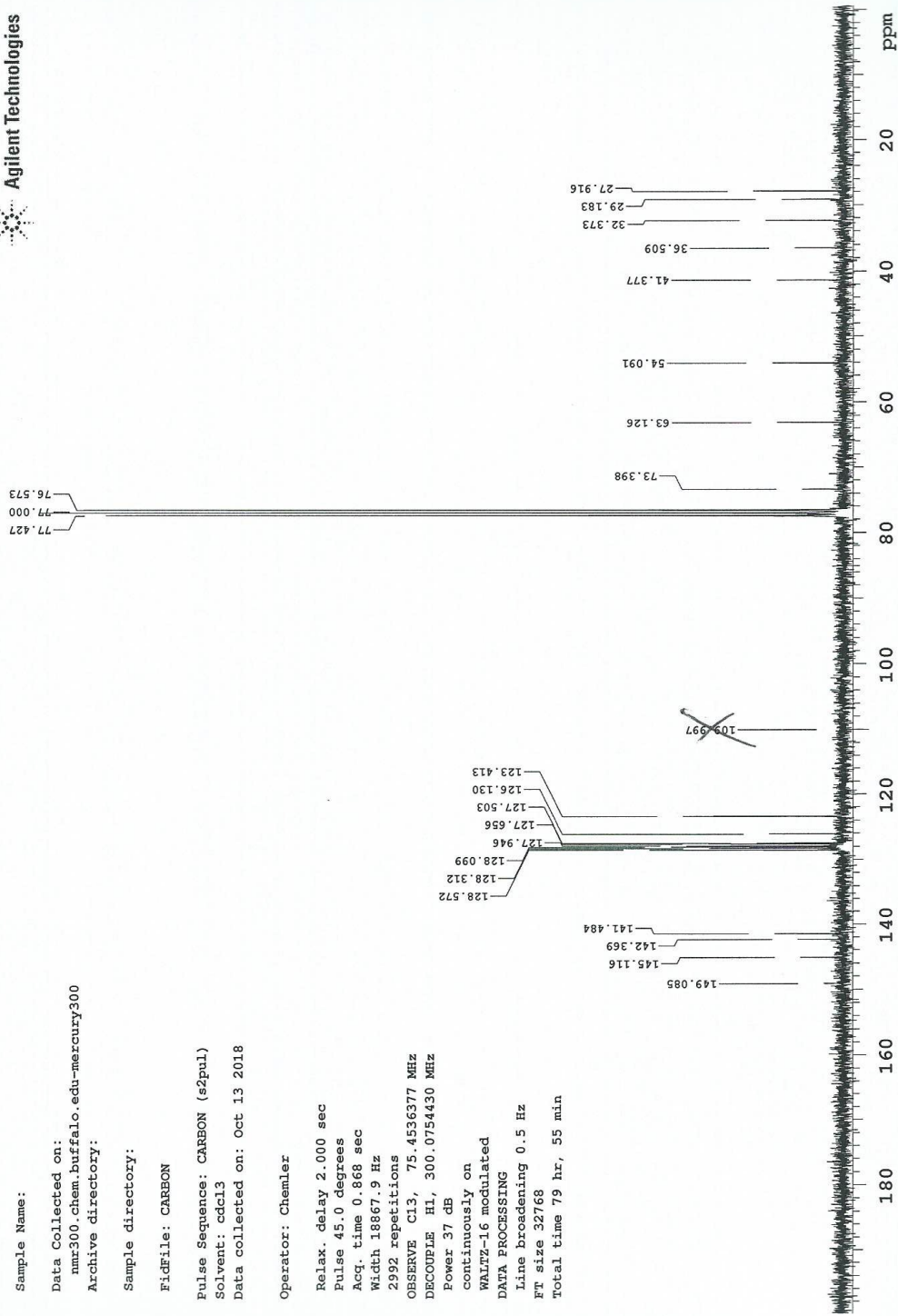
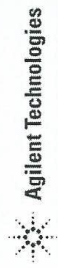
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 13 2018

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
2992 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 79 hr, 55 min





Total time 0 min 57 sec

cdk-b2-r512-spot1

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

Sample directory:

FidFile: ZK-607-carbon-chr

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Aug 12 2018

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 0.868 sec

Width 18867.9 Hz

26360 repetitions

OBSERVE C13, 75.4536377 MHz

DECOUPLE H1, 300.0754430 MHz

Power 37 dB

continuously on

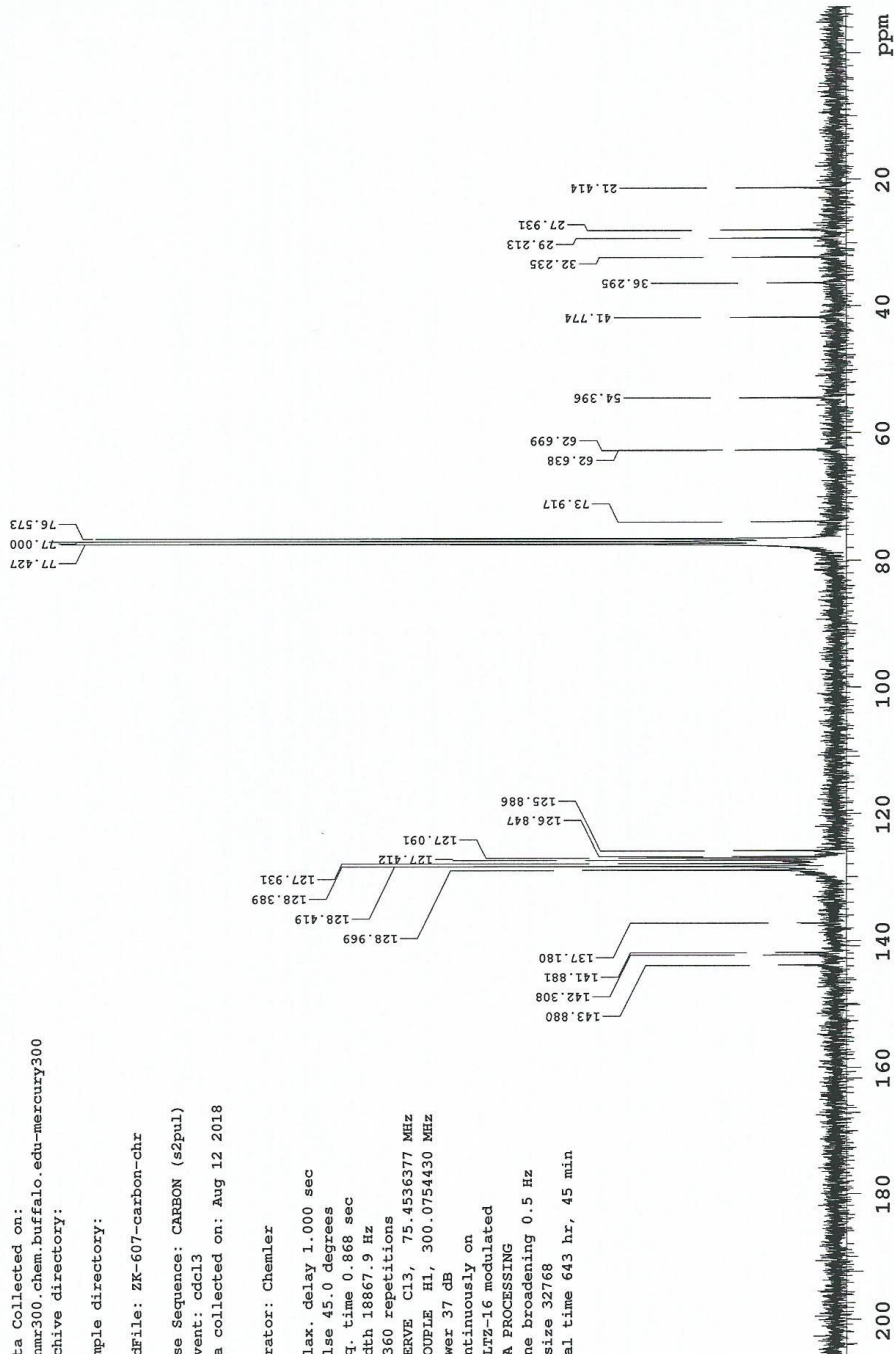
WALTZ-16 modulated

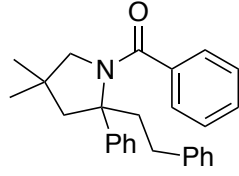
DATA PROCESSING

Line broadening 0.5 Hz

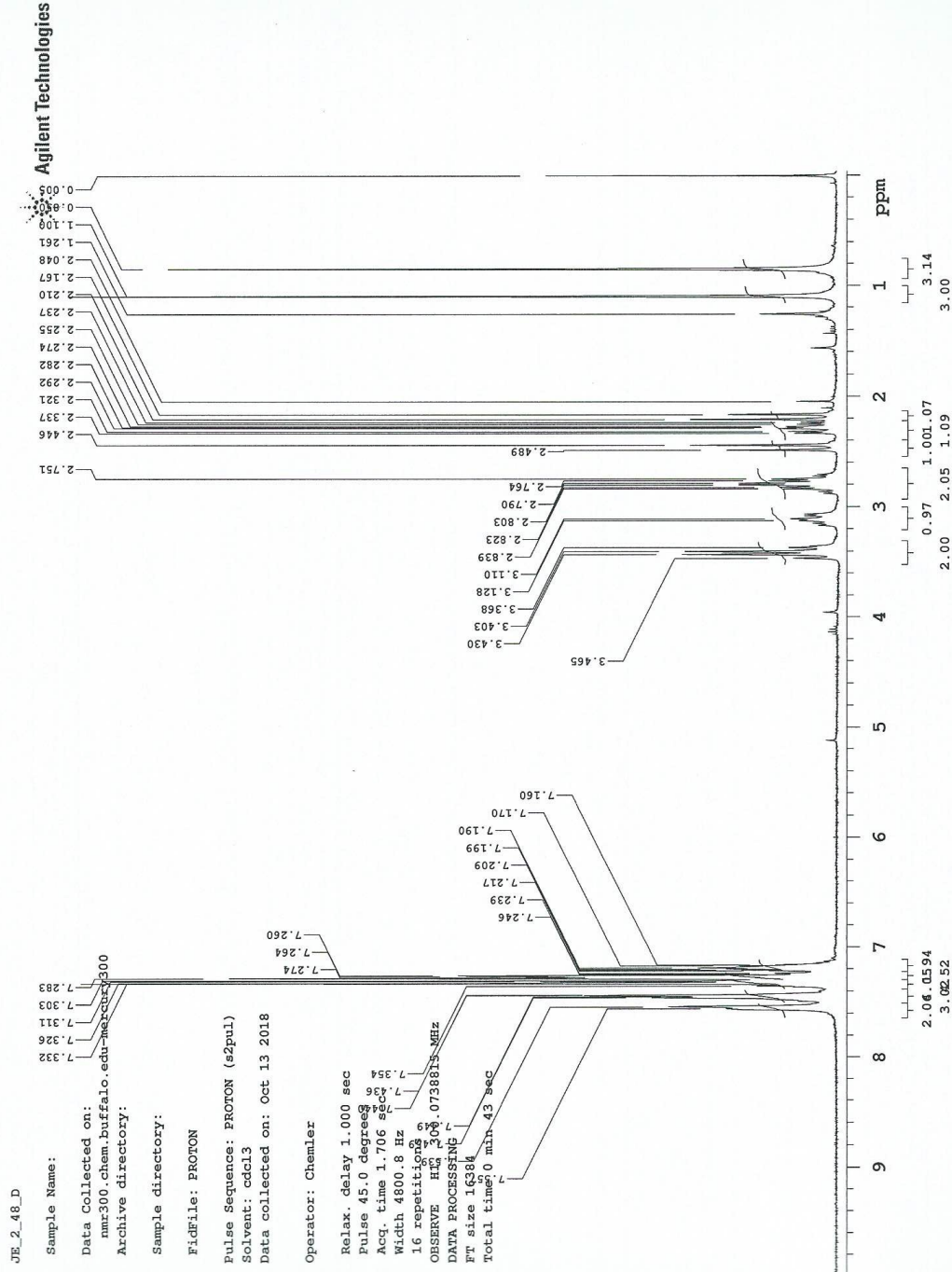
FT size 32768

Total time 643 hr, 45 min





12d



JE_2_48_D

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

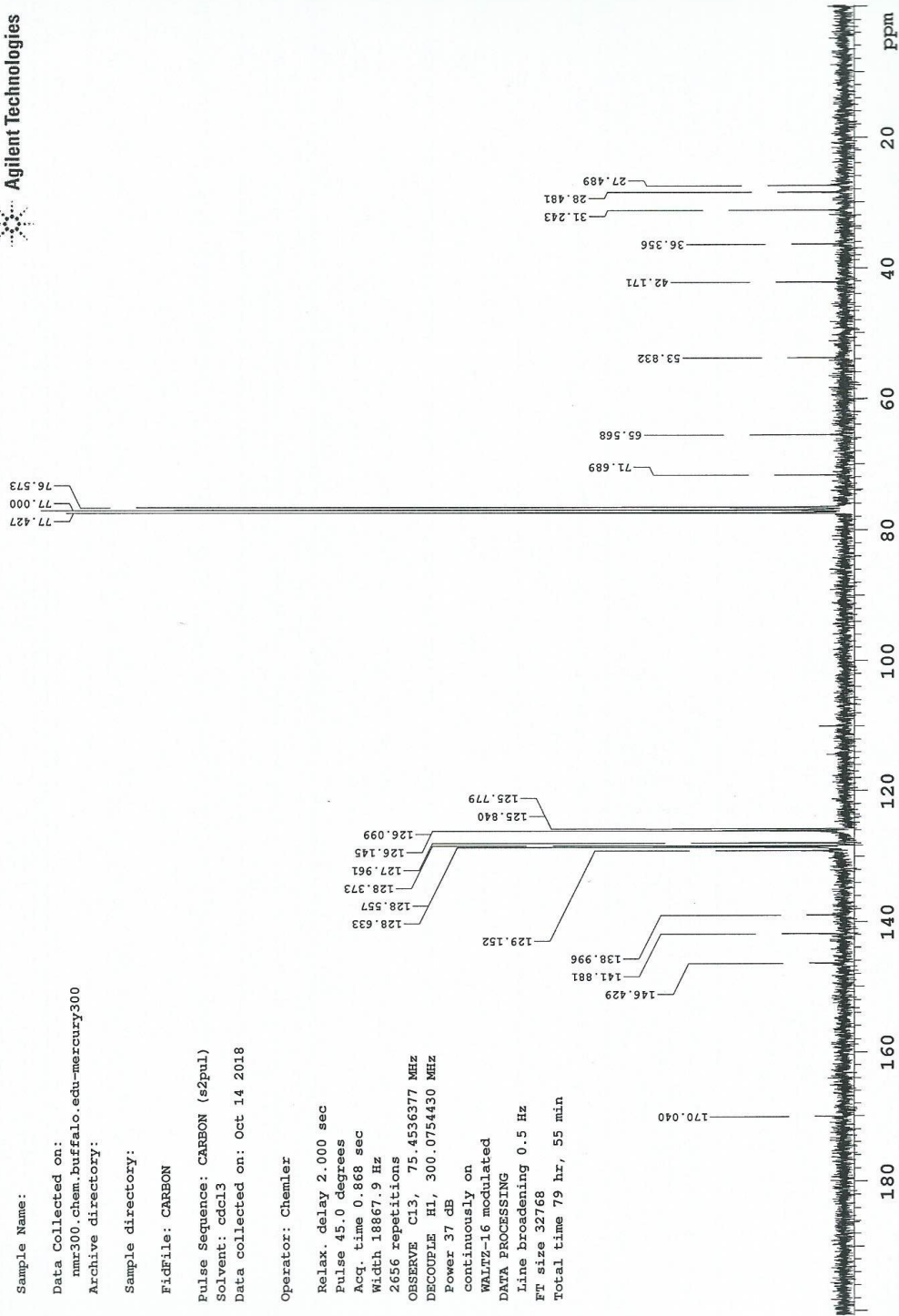
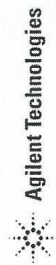
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 14 2018

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
2656 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 79 hr, 55 min



2K-597-proton-chr

Sample Name:

Data Collected on:

nmr300.chem.buffalo.edu-mercury800

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 20 2018

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.706 sec

Width 4800.8 Hz

8 repetitions

OBSERVE H1, 300.0738809 MHz

DATA PROCESSING

FT size 16384

Total time 0 min 22 sec

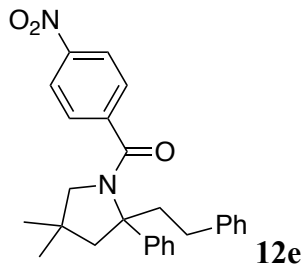
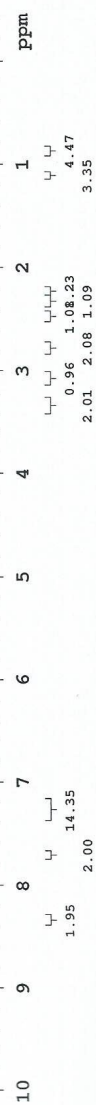


7.258
7.266
7.276
7.283
7.317

8.352
8.322
7.715
7.686
7.336
7.326

1.552
1.378
1.255
1.112
0.862

3.354
3.317
2.801
2.778
2.770
2.747
2.660
2.255
2.212



ZK597V

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

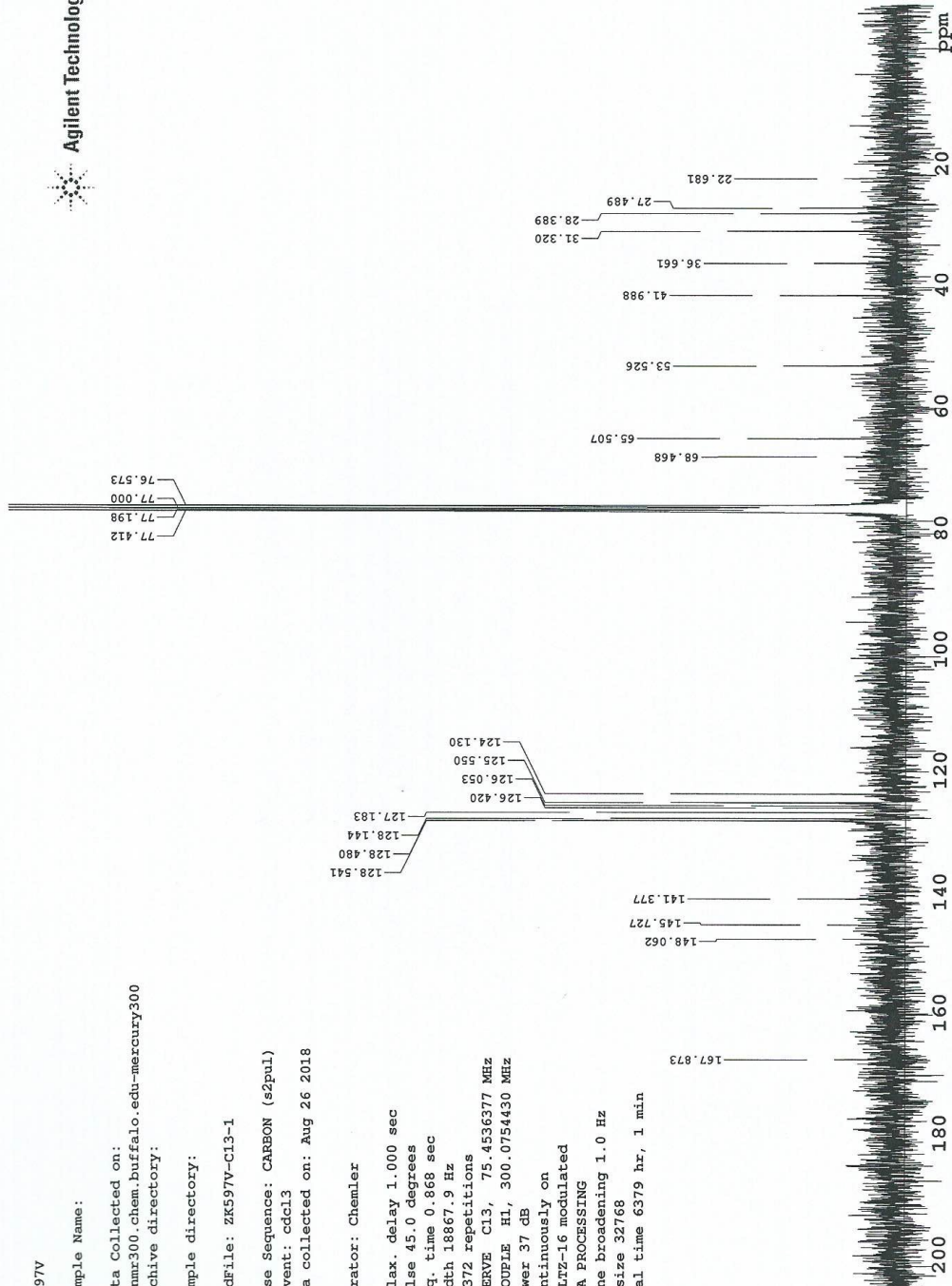
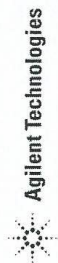
Sample directory:

FidFile: ZK597V-C13-1

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 26 2018

Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
15372 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
Ft size 32768
Total time 6379 hr, 1 min



ZK-613-proton-chr-good

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

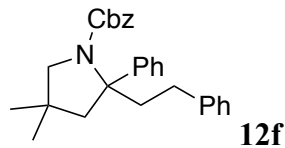
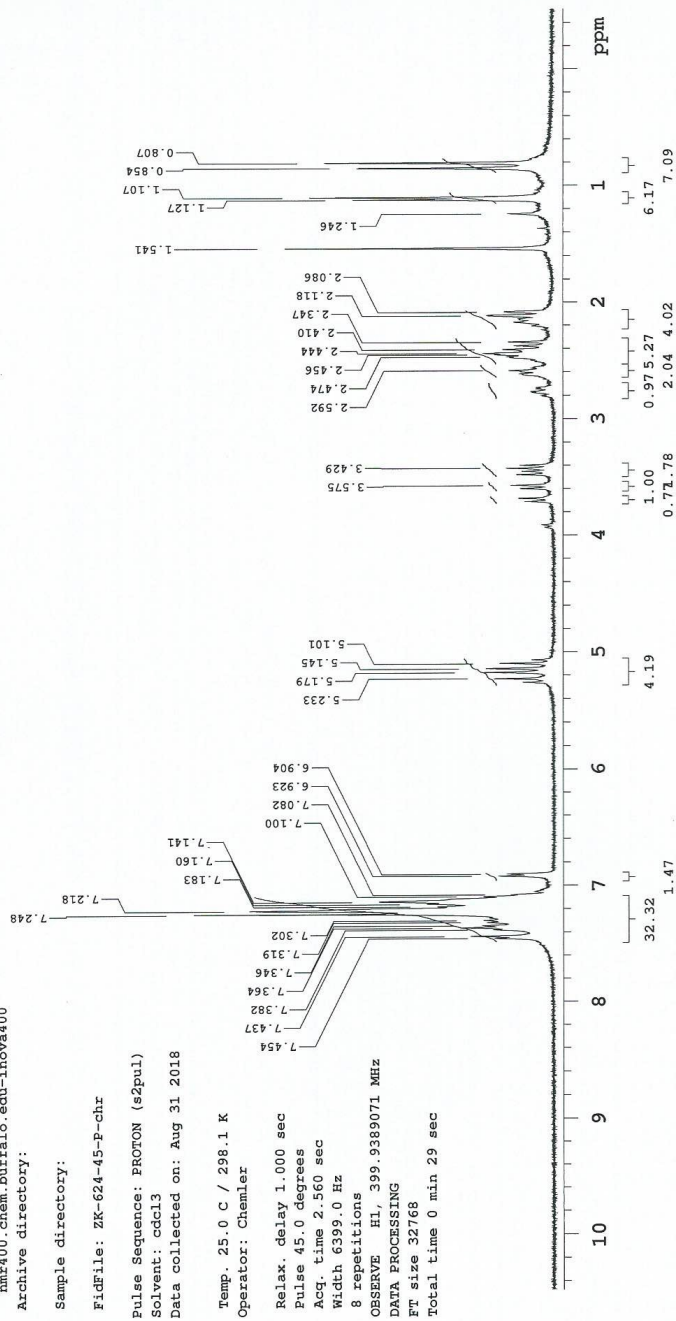
Sample directory:

FidFile: ZK-624-45-P-chr

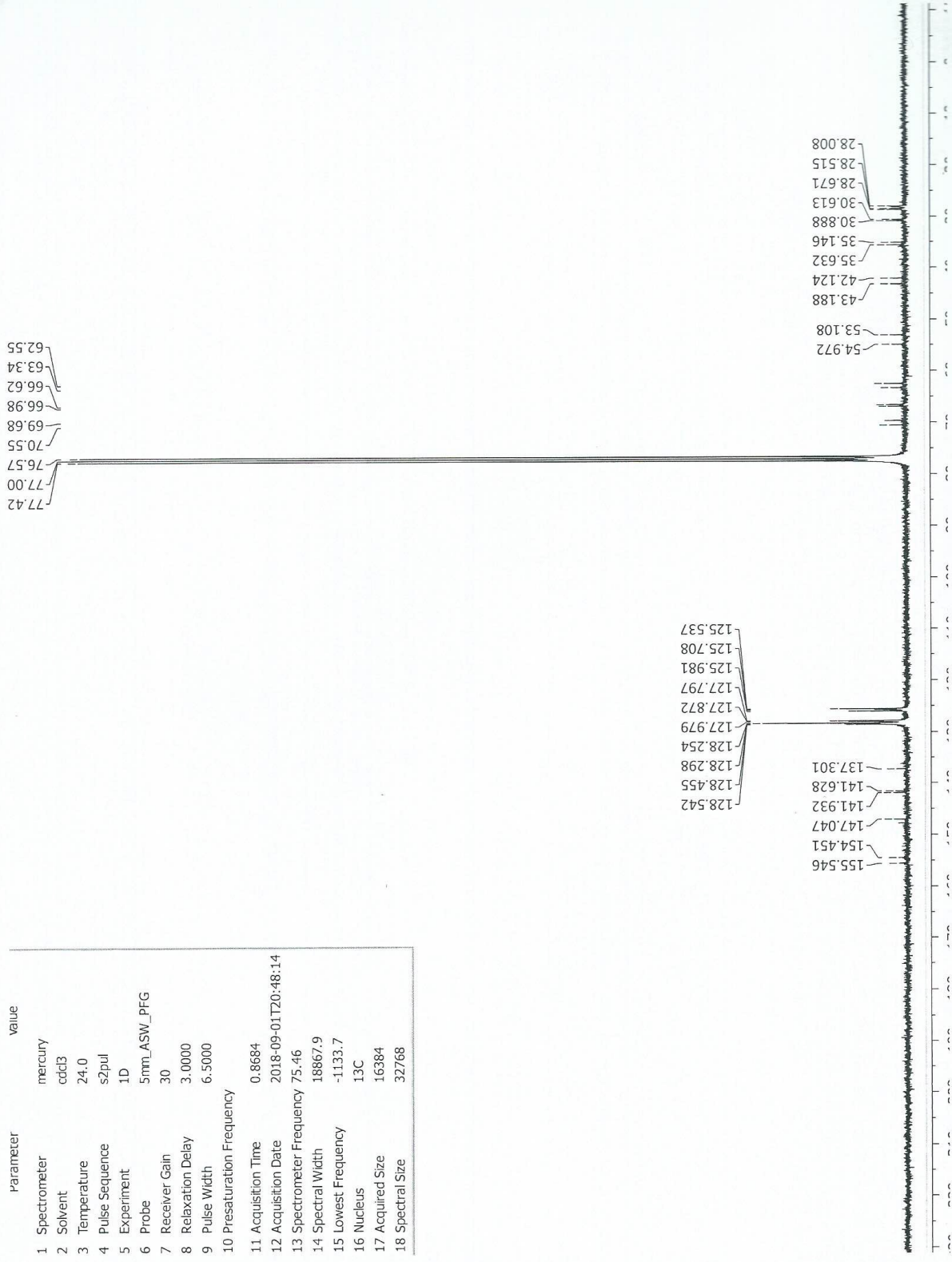
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Aug 31 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
8 repetitions
OBSERVE H1, 399.9389071 MHz
DATA PROCESSING
Ft size 32768
Total time 0 min 29 sec

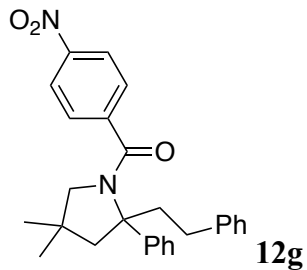
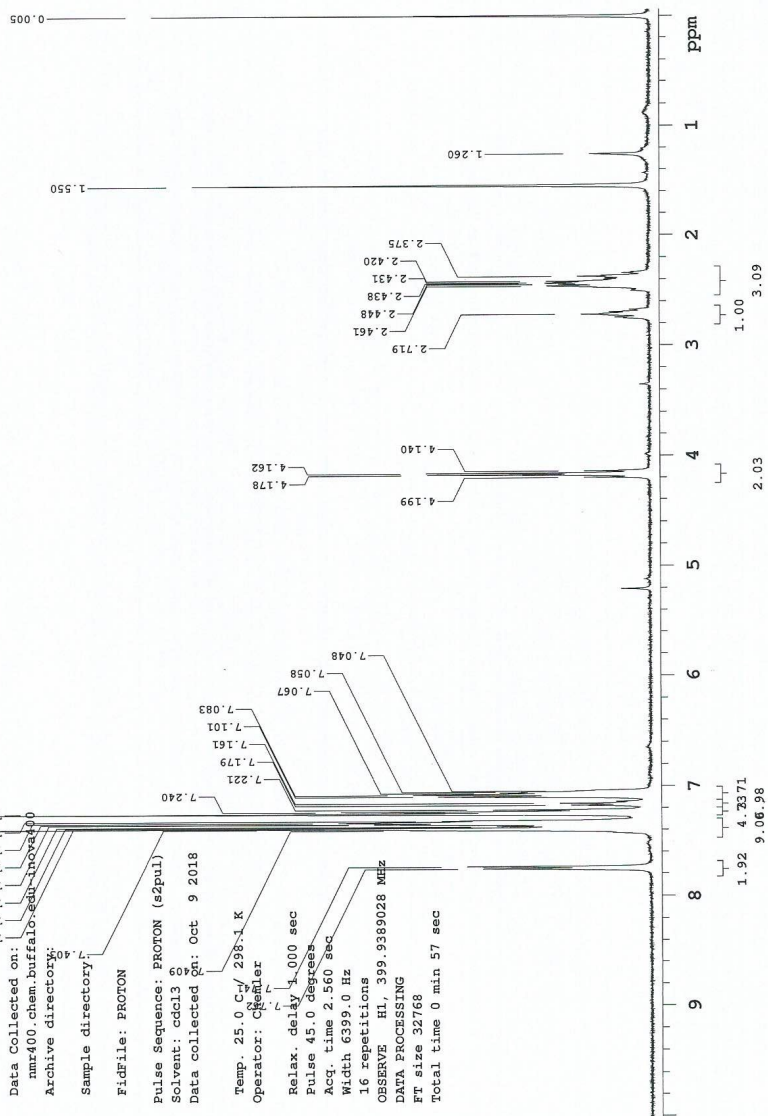
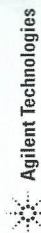


Parameter	Value
1 Spectrometer	mercury
2 Solvent	cdcl3
3 Temperature	24.0
4 Pulse Sequence	s2pul
5 Experiment	1D
6 Probe	5mm_ASW_PFG
7 Receiver Gain	30
8 Relaxation Delay	3.0000
9 Pulse Width	6.5000
10 Presaturation Frequency	
11 Acquisition Time	0.8684
12 Acquisition Date	2018-09-01T20:48:14
13 Spectrometer Frequency	75.46
14 Spectral Width	18867.9
15 Lowest Frequency	-1133.7
16 Nucleus	¹³ C
17 Acquired Size	16384
18 Spectral Size	32768



II-238 - prep III

Sample Name:
Data Collected on: nmr400.chem.buffalo.edu-11nov2018
Archive directory:
Sample directory:
FidFile: PROTON
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Oct 9 2018
Temp: 25.0 C / 238.1 K
Operator:
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.560 sec
Width 6399.0 Hz
16 repetitions
OBSERVE H1, 399.9389028 MHz
DATA PROCESSING
F1 size 32768
Total time 0 min 57 sec



JE_2_48_crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

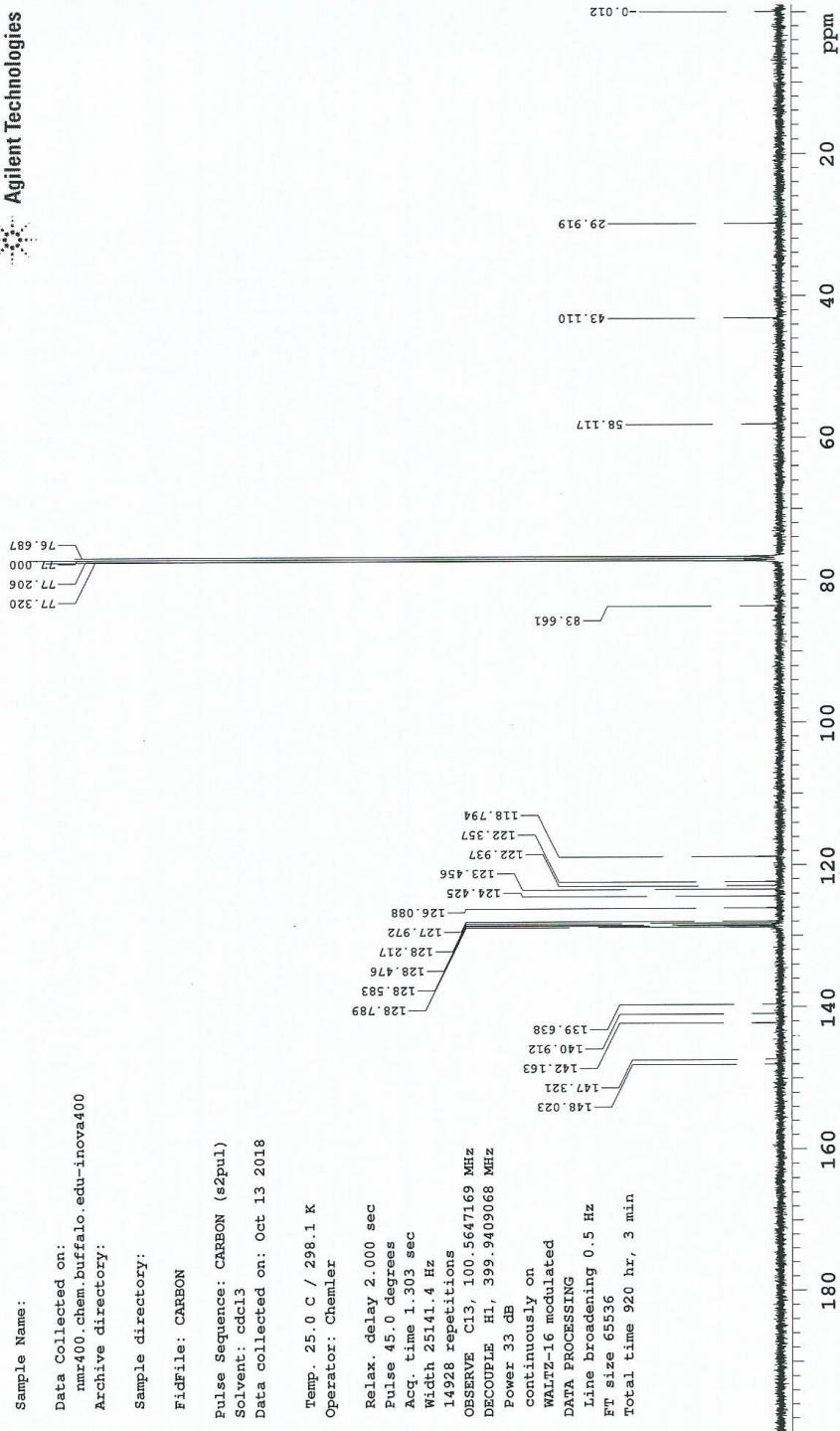
Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 13 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
14928 repetitions
OBSERVE C13, 100.5647169 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 920 hr, 3 min



ASB-B--bromoethylbenzene-deprotected

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Nov 12 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

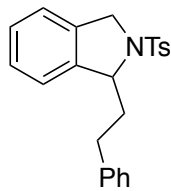
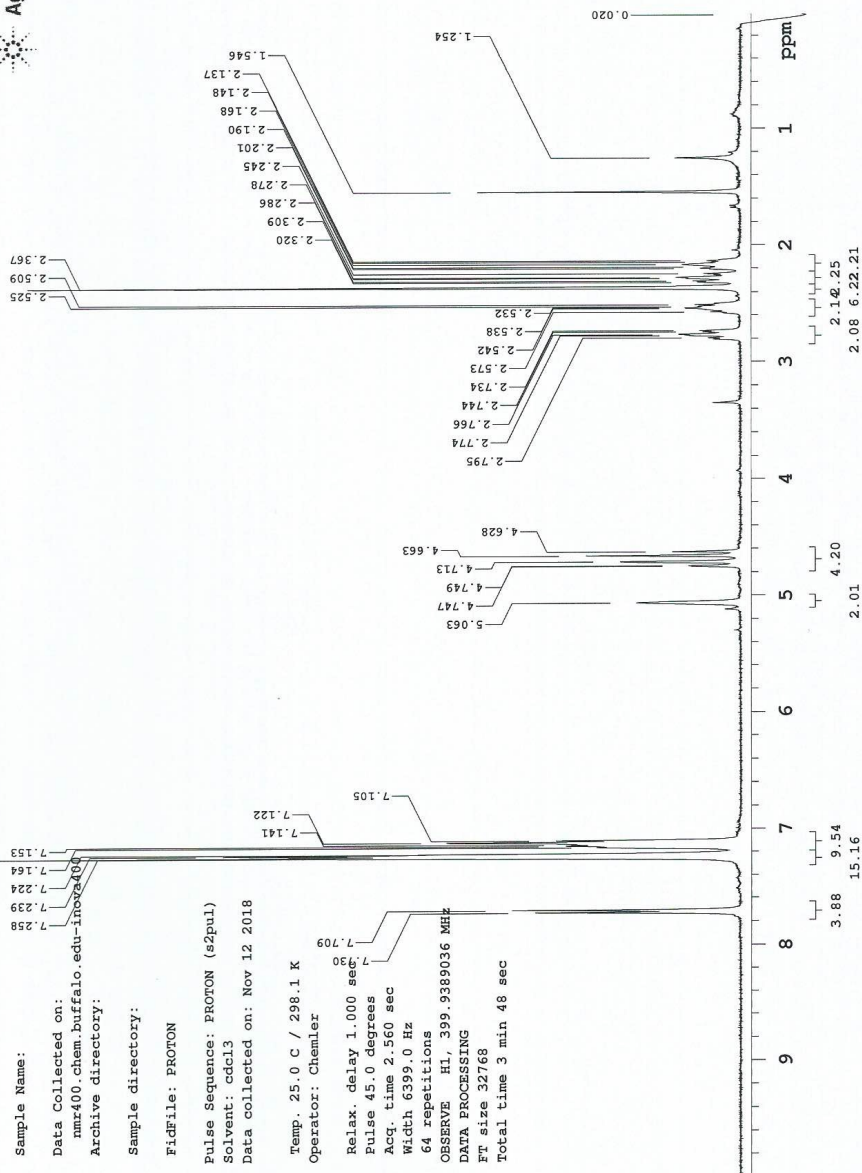
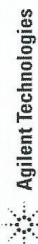
64 repetitions

OBSERVE H1, 399.9389036 MHz

DATA PROCESSING

Ft size 32768

Total time 3 min 48 sec



13

ASB-B____bromoethylbenzene-deprotected

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

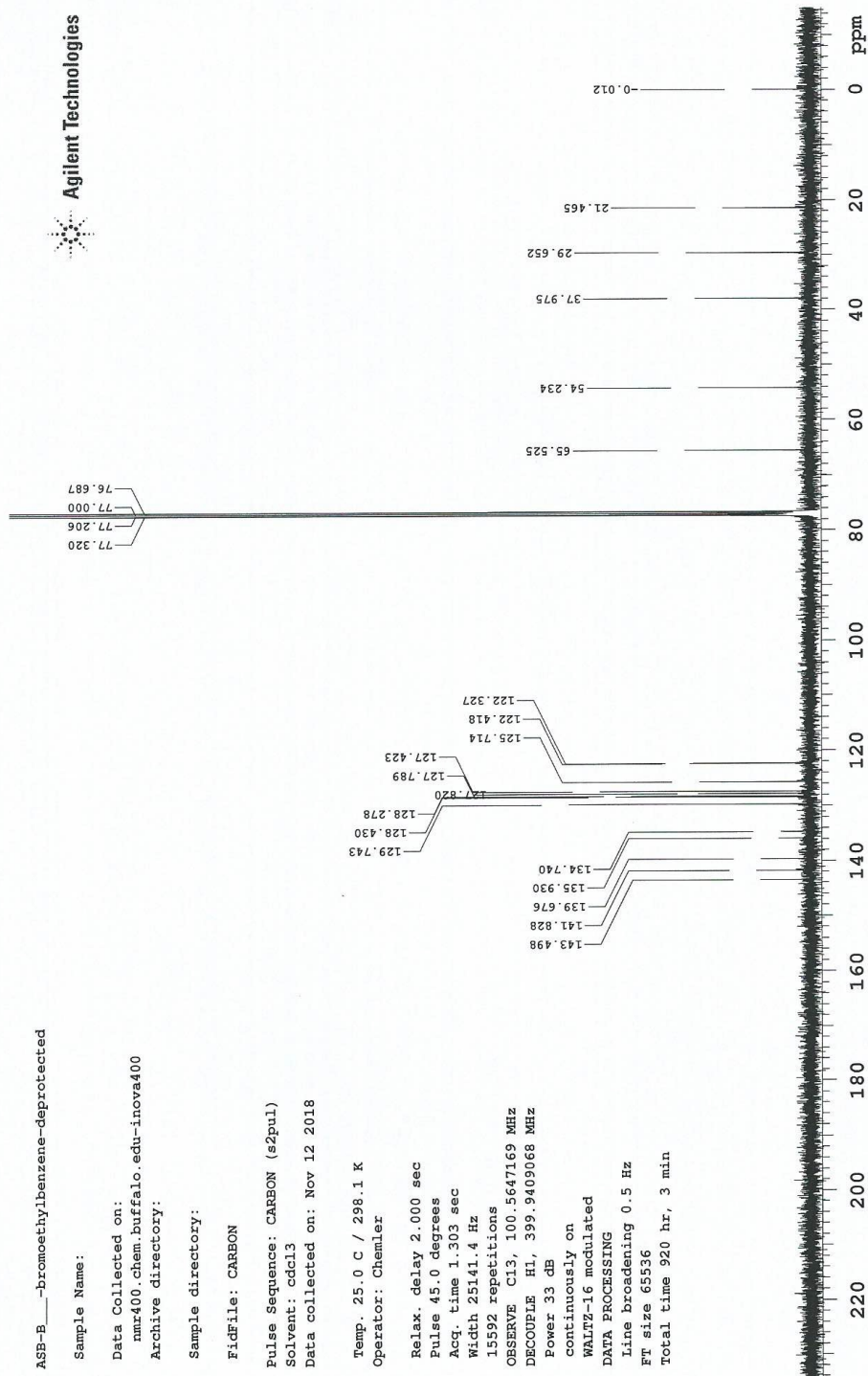
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 12 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
15592 repetitions

OBSERVE C13, 100.5647169 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 920 hr, 3 min



cdk-b2-r547-spot1

Sample Name:

Data Collected on:

nmr400.chem.buffalo.edu-inova400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Oct 31 2018

Temp. 25.0 C / 298.15 K

Operator: Chemler

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

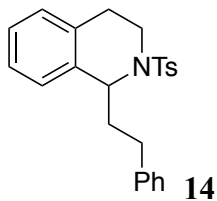
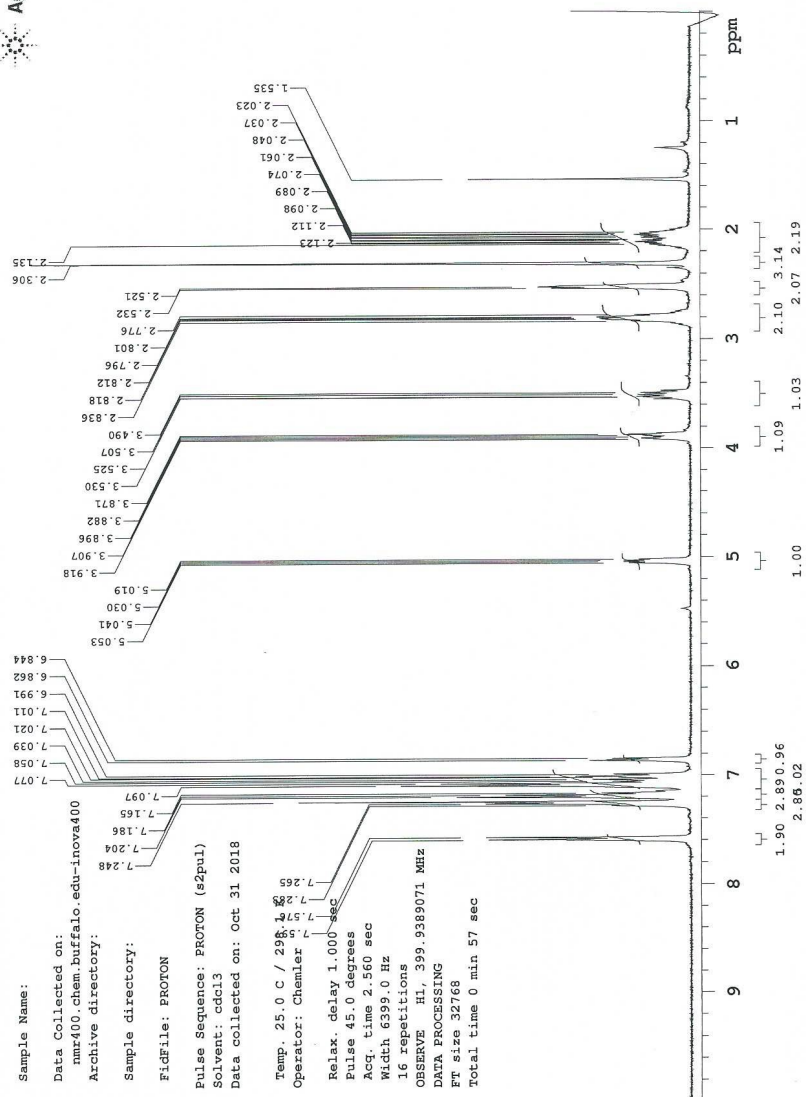
16 repetitions

OBSERVE H1, 399.9389071 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 57 sec



II-242B - crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

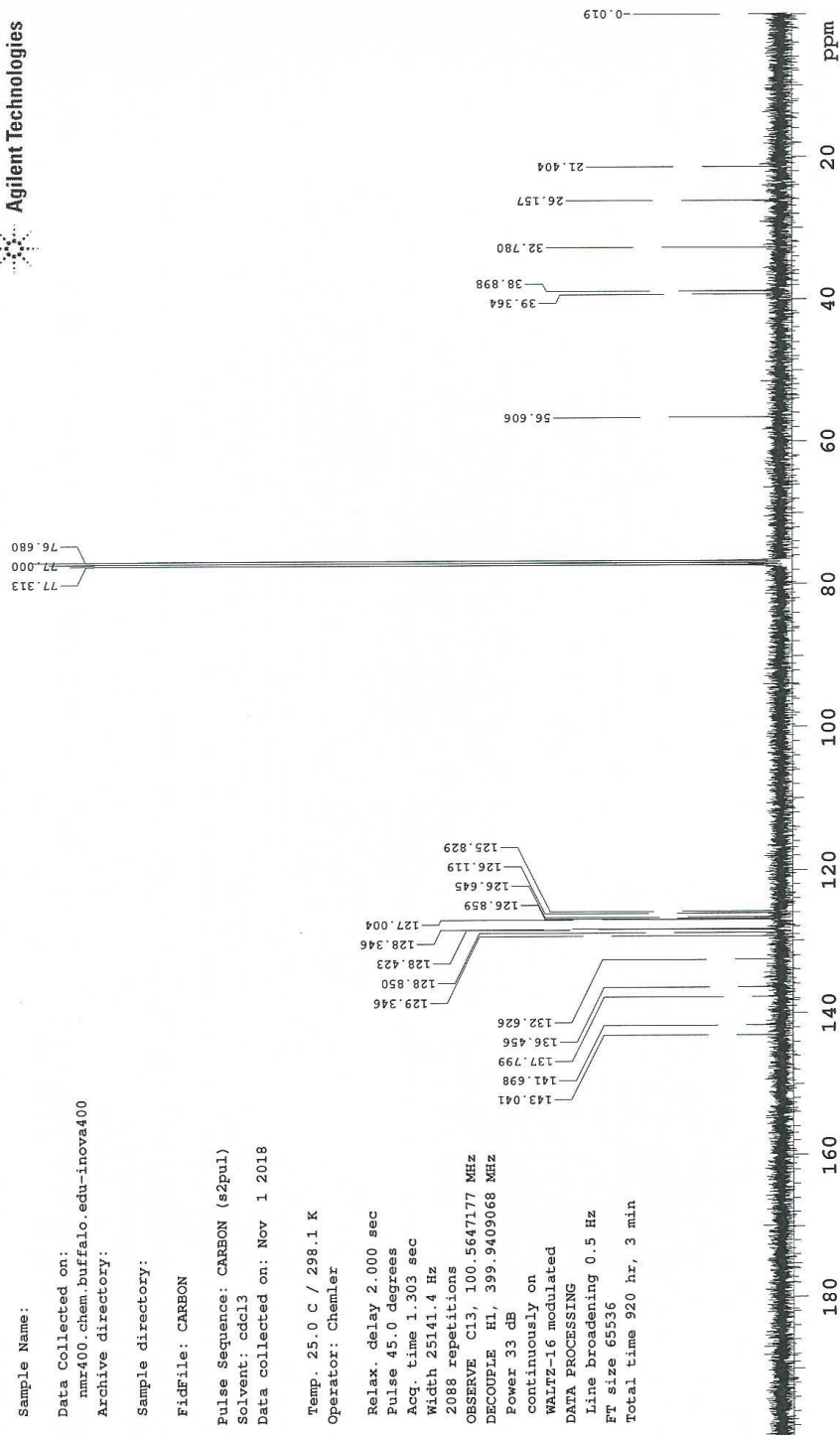
Sample directory:

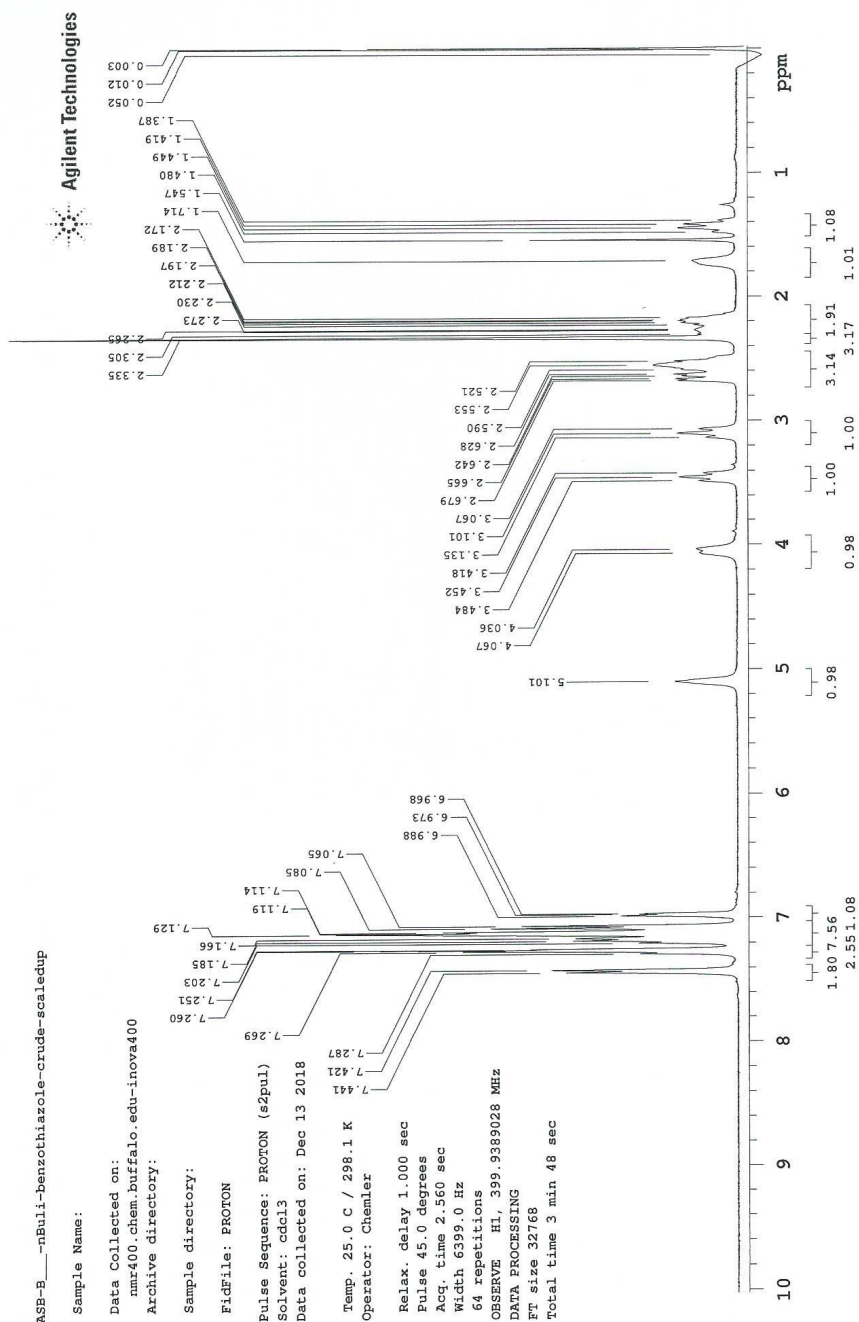
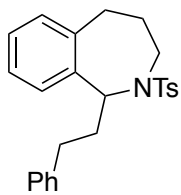
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 1 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
2088 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 920 hr, 3 min





JE_2_77_Crude

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-inova400
Archive directory:

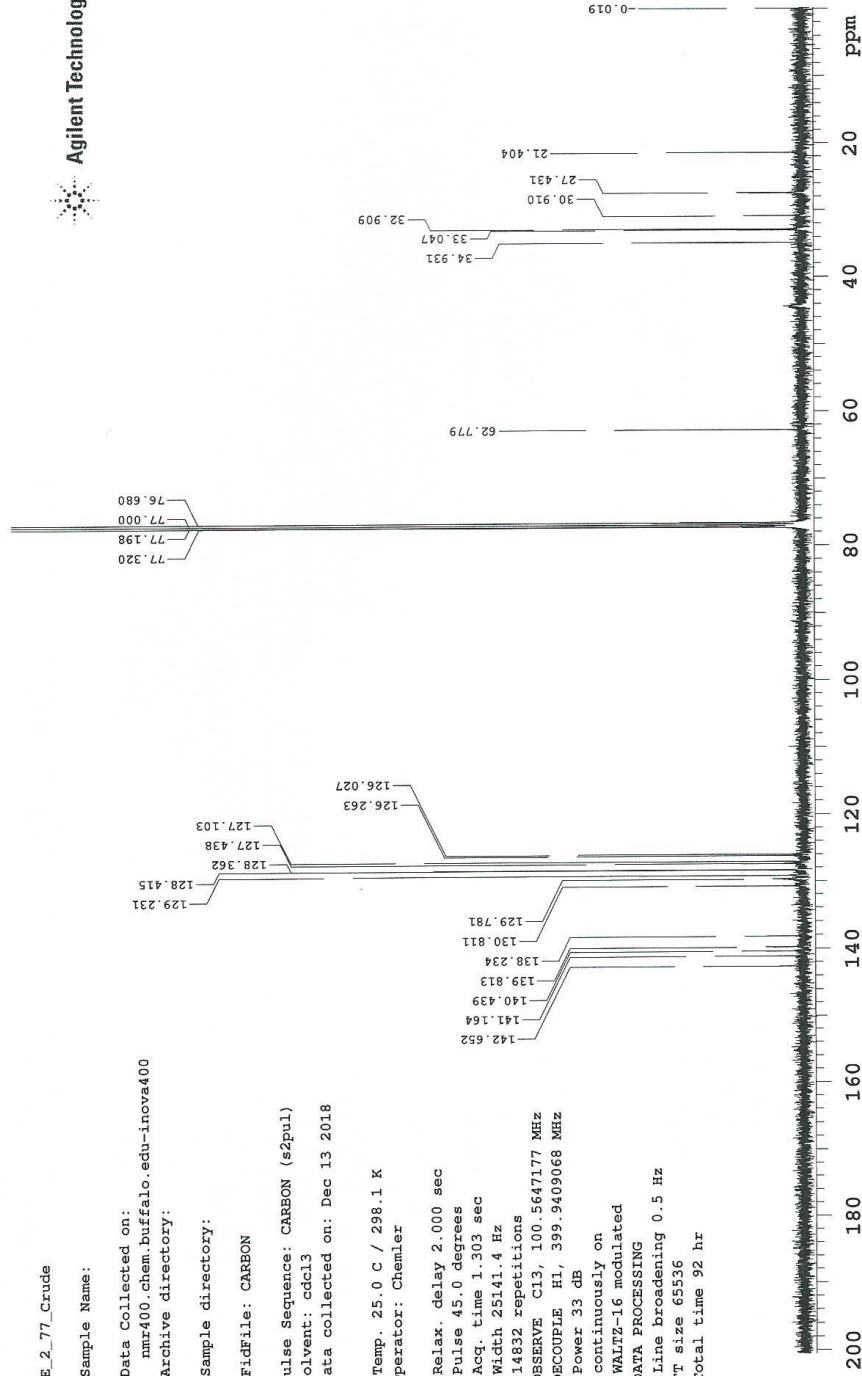
Sample directory:

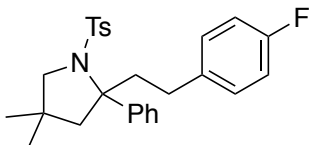
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Dec 13 2018

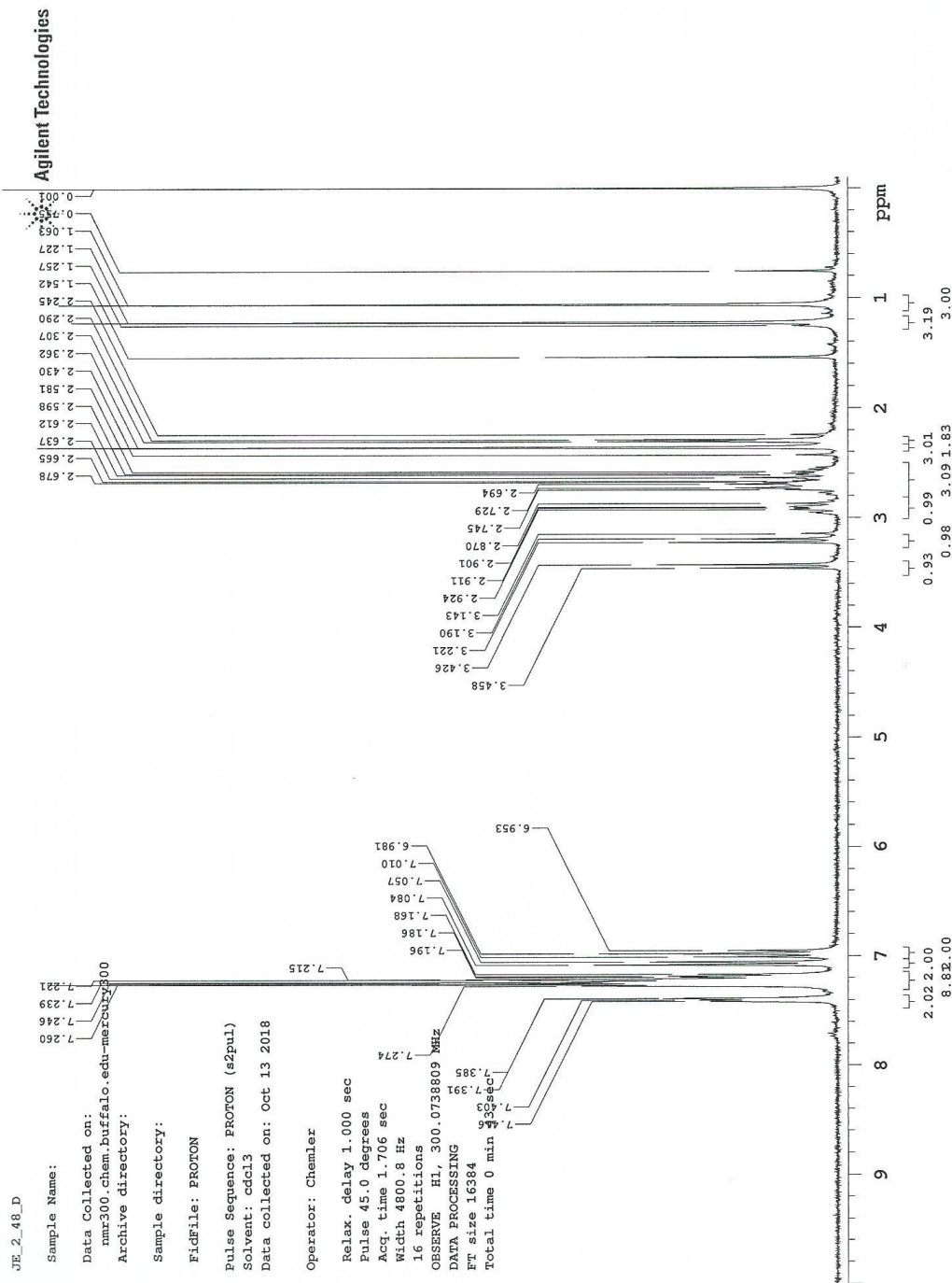
Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
14832 repetitions
OBSERVE C13, 100.5647177 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 65536
Total time 92 hr





12h



JE_2_48_D

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

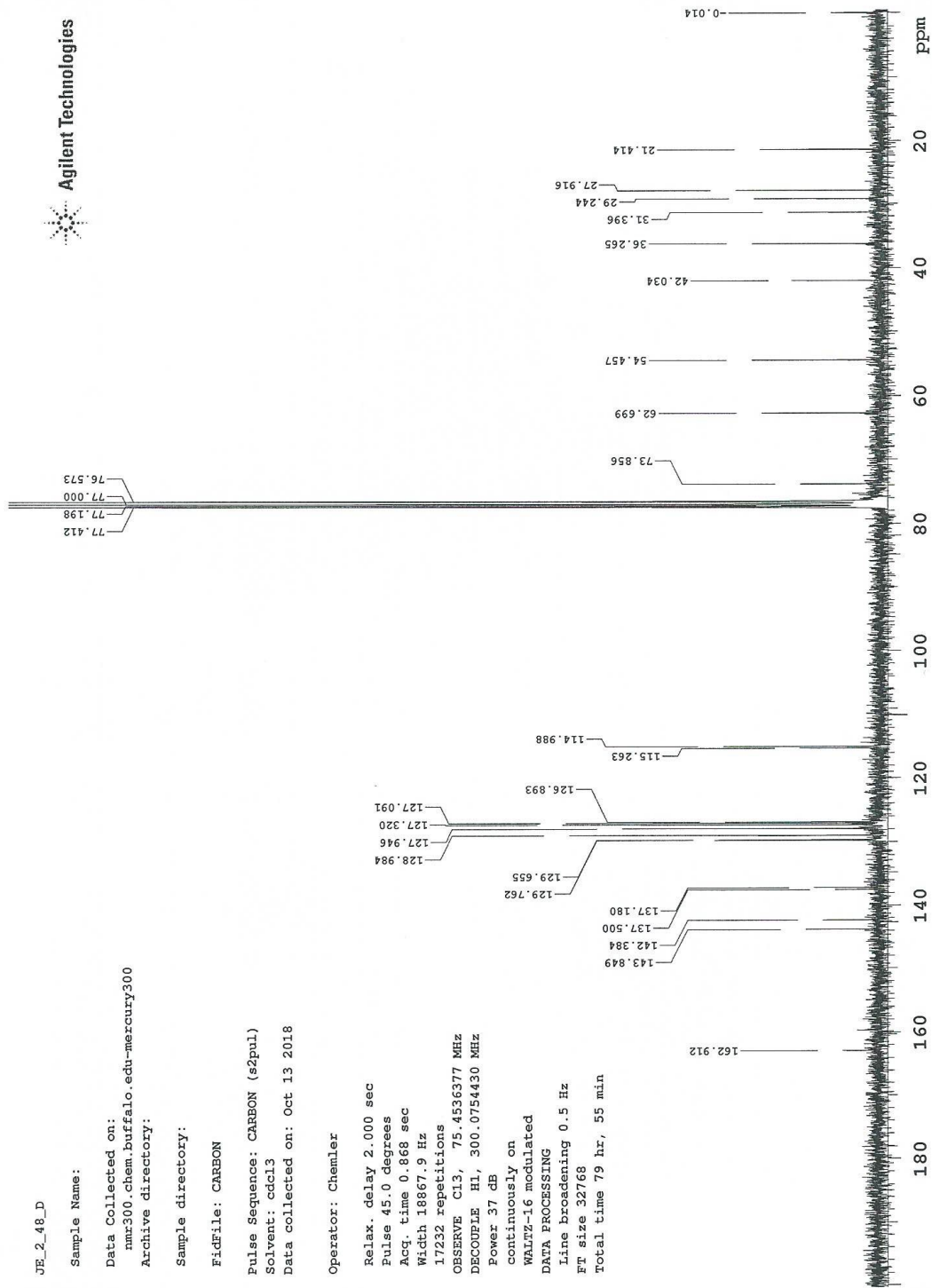
Sample directory:

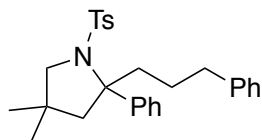
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Oct 13 2018

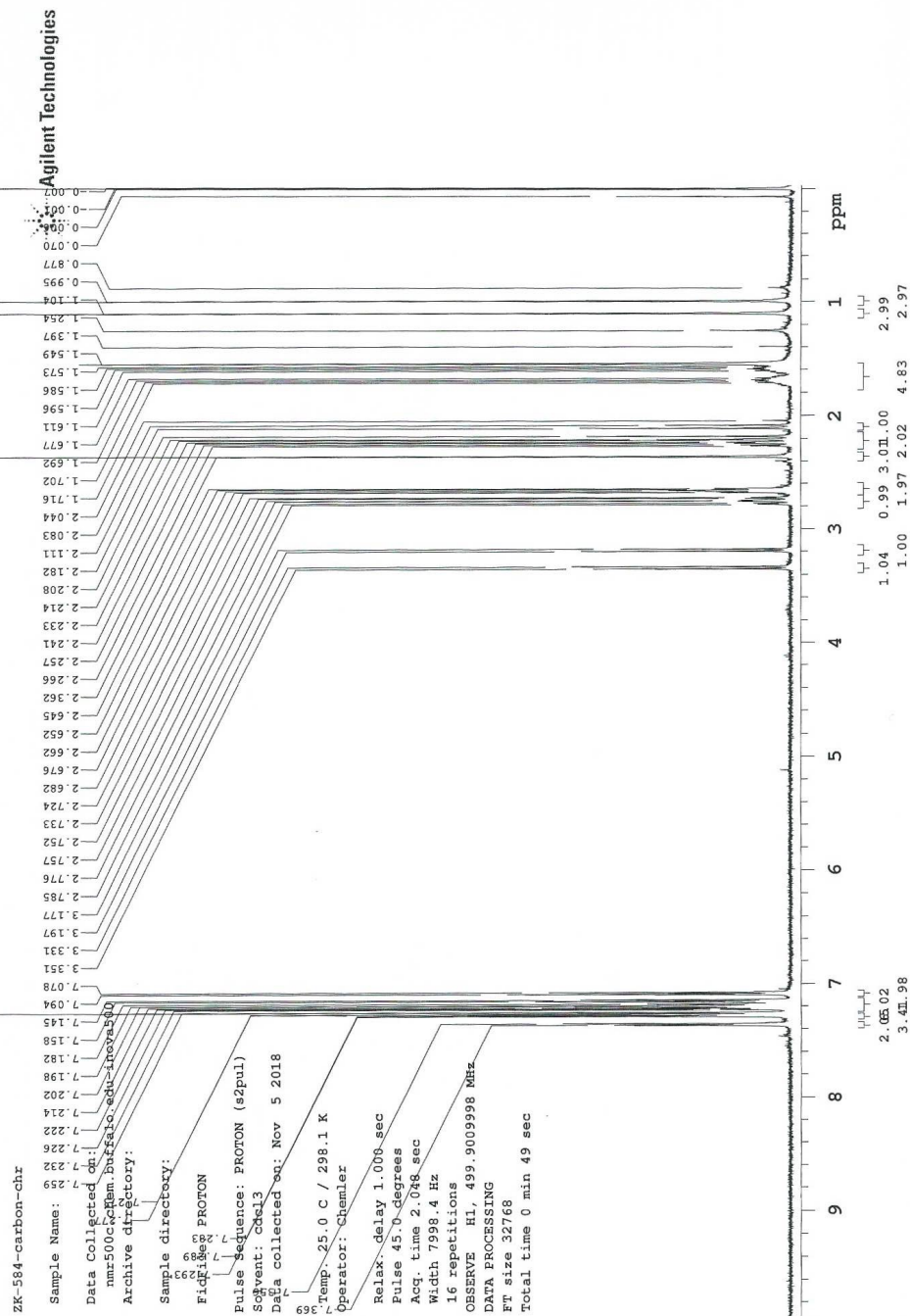
Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
17232 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 79 hr, 55 min





12i



ZK-584-carbon-chr

Sample Name:

Data Collected on:

nmr500c.chem.buffalo.edu-inova500

Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Nov 6 2018

Temp. 25.0 C / 298.1 K

Operator: Chemler

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 1.043 sec

Width 31421.8 Hz

2880 repetitions

OBSERVE C13, 125.7002064 MHz

DECOUPLE H1, 499.9034960 MHz

Power 40 dB

continuously on

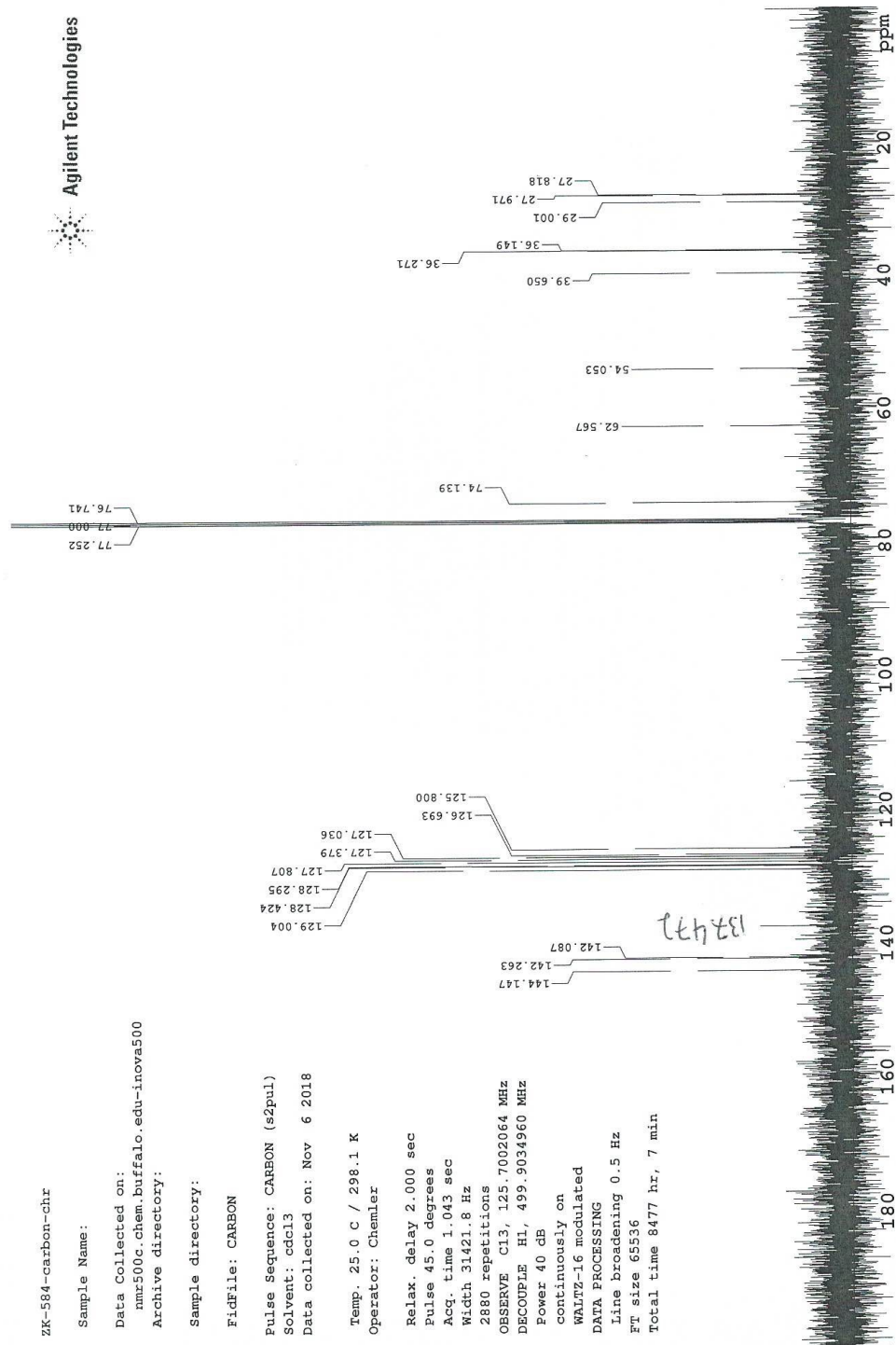
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 8477 hr, 7 min



ZK-608-proton-chr

Sample Name:

Data Collected on:
nmr400.chem.buffalo.edu-incva400

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 3 2018

Temp. 25.0 C / 298.1 K

Operator: Chemier

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.560 sec

Width 6399.0 Hz

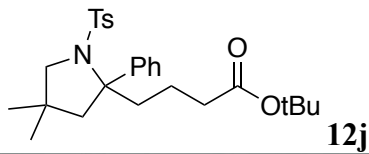
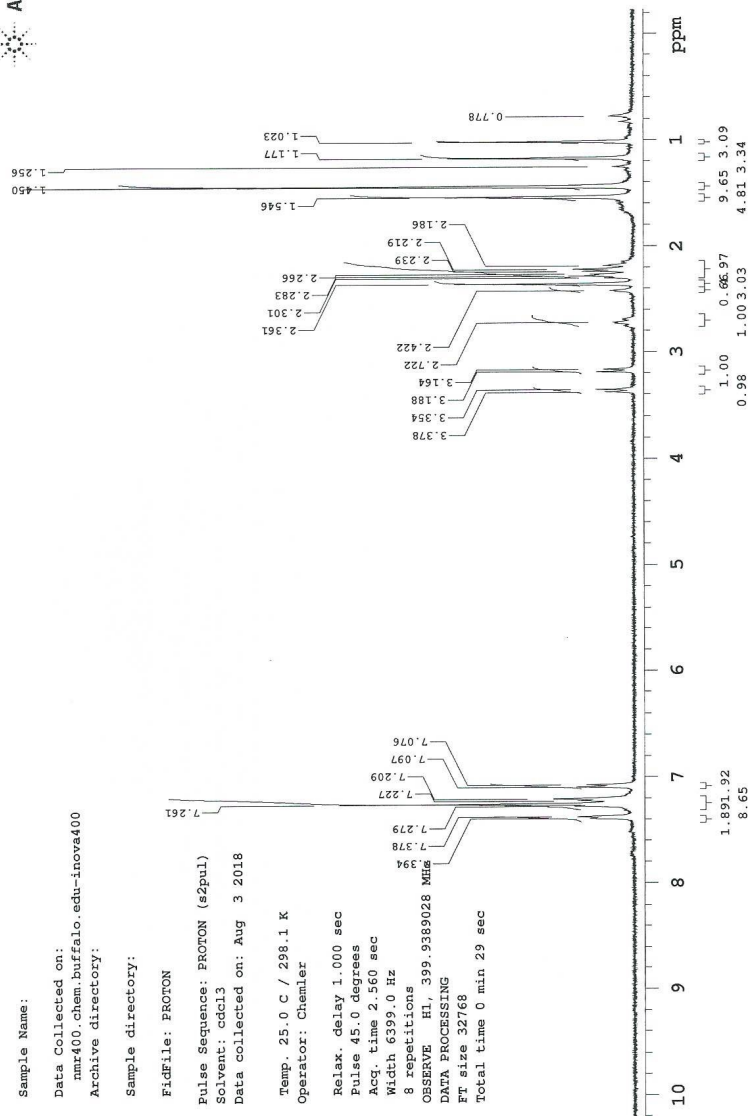
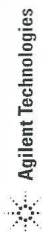
8 repetitions

OBSERVE H1, 399.9389028 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 29 sec



ZK-608+612-Proton-be4-Carbon

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

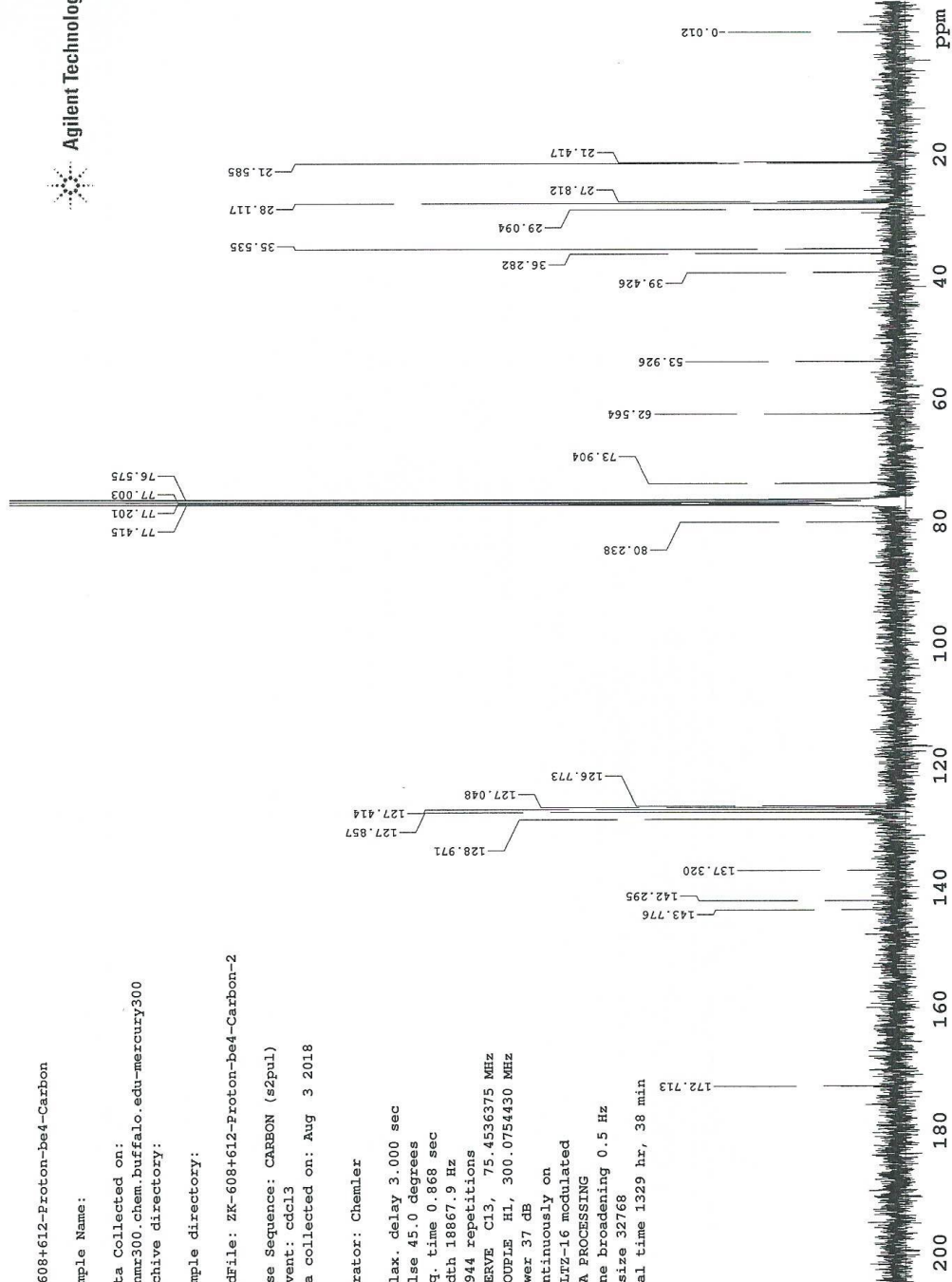
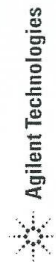
Sample directory:

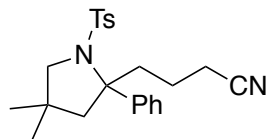
FidFile: ZK-608+612-Proton-be4-Carbon-2

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 3 2018

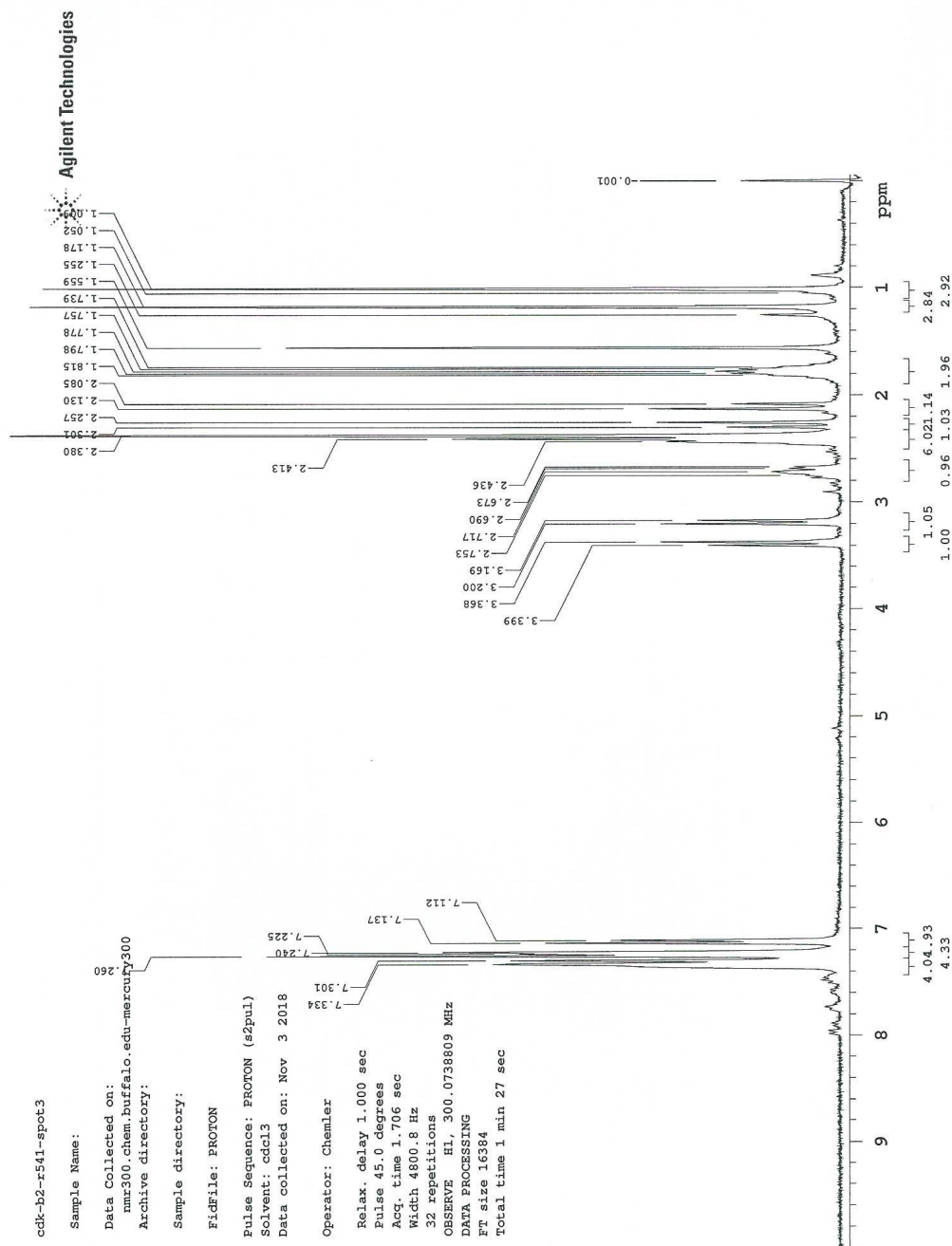
Operator: Chemler

Relax. delay 3.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
10944 repetitions
OBSERVE C13, 75.4536375 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
Ft size 32768
Total time 1329 hr, 38 min





12k



cdk-b2-r541-spot3

Sample Name:

Data Collected on:
nmr300.chem.buffalo.edu-mercury300
Archive directory:

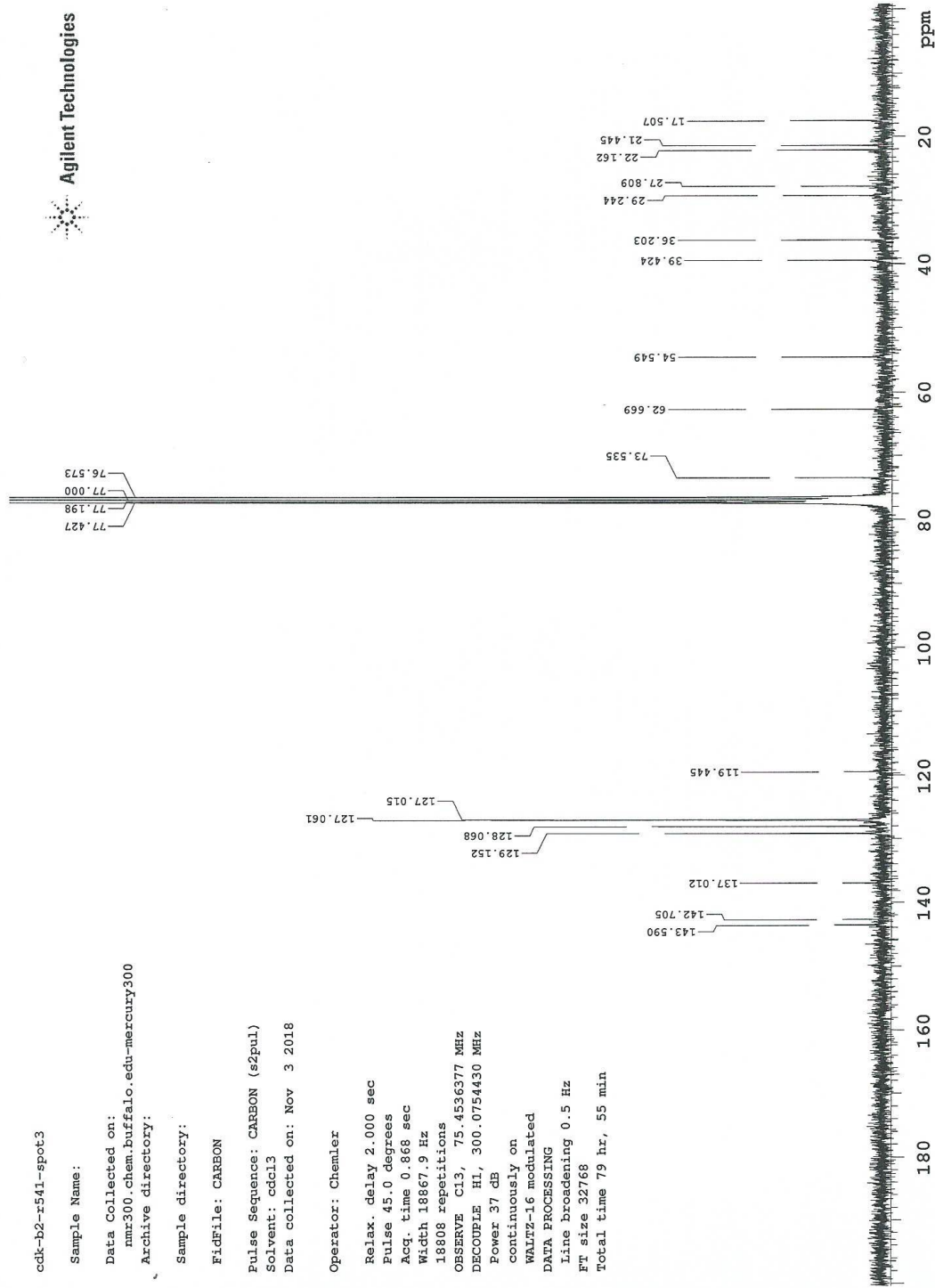
Sample directory:

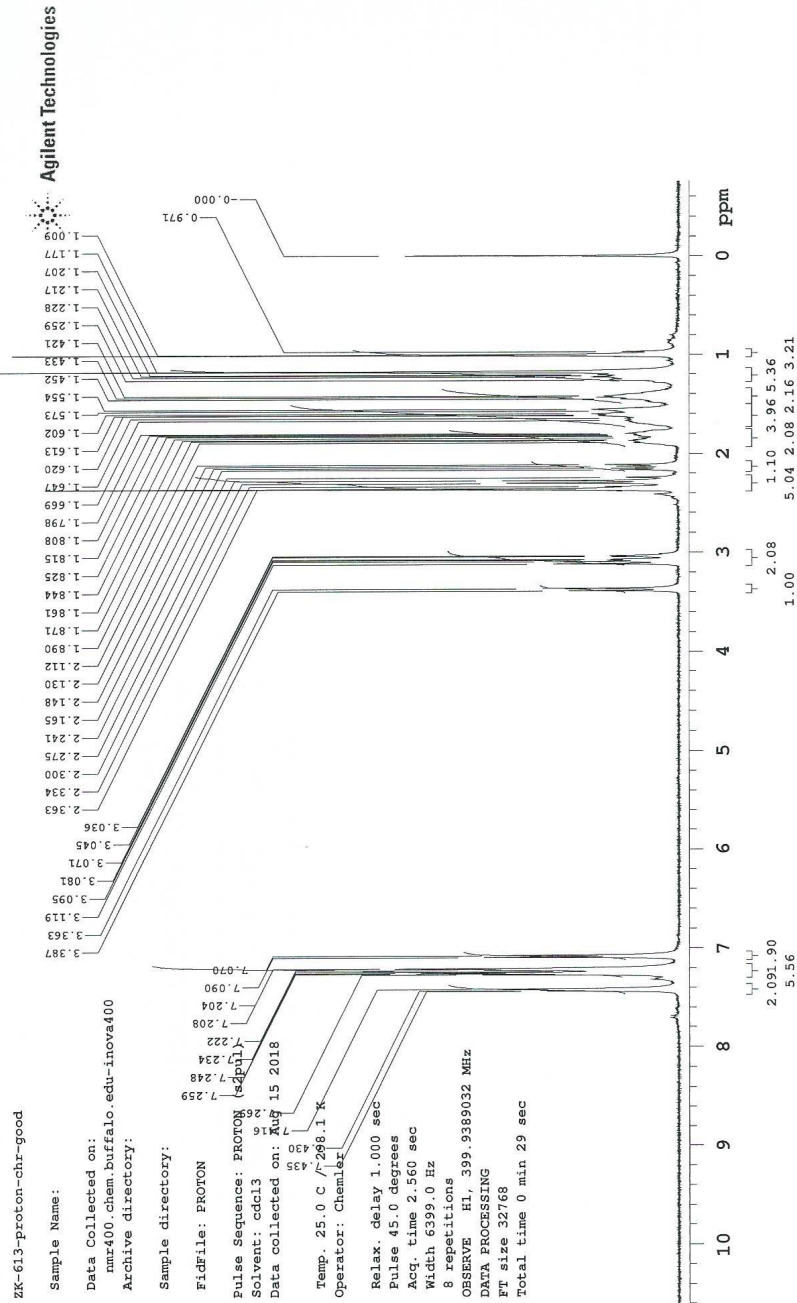
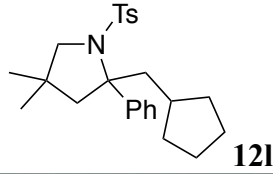
FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Nov 3 2018

Operator: Chemler

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 0.868 sec
Width 18867.9 Hz
18808 repetitions
OBSERVE C13, 75.4536377 MHz
DECOUPLE H1, 300.0754430 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 32768
Total time 79 hr, 55 min





ZK-613-proton-chr-good

Sample Name:

Data Collected on:
mmr400.chem.buffalo.edu-inova400
Archive directory:

Sample directory:

FidFile: CARBON

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 15 2018

Temp. 25.0 C / 298.1 K
Operator: Chemler

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.303 sec
Width 25141.4 Hz
17024 repetitions
OBSERVE C13, 100.5647169 MHz
DECOUPLE H1, 399.9409068 MHz
Power 33 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 792 hr, 56 min

