

(S)-II

3537-1H

S-Tos-amid

Current Data Parameters

NAME 3537
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

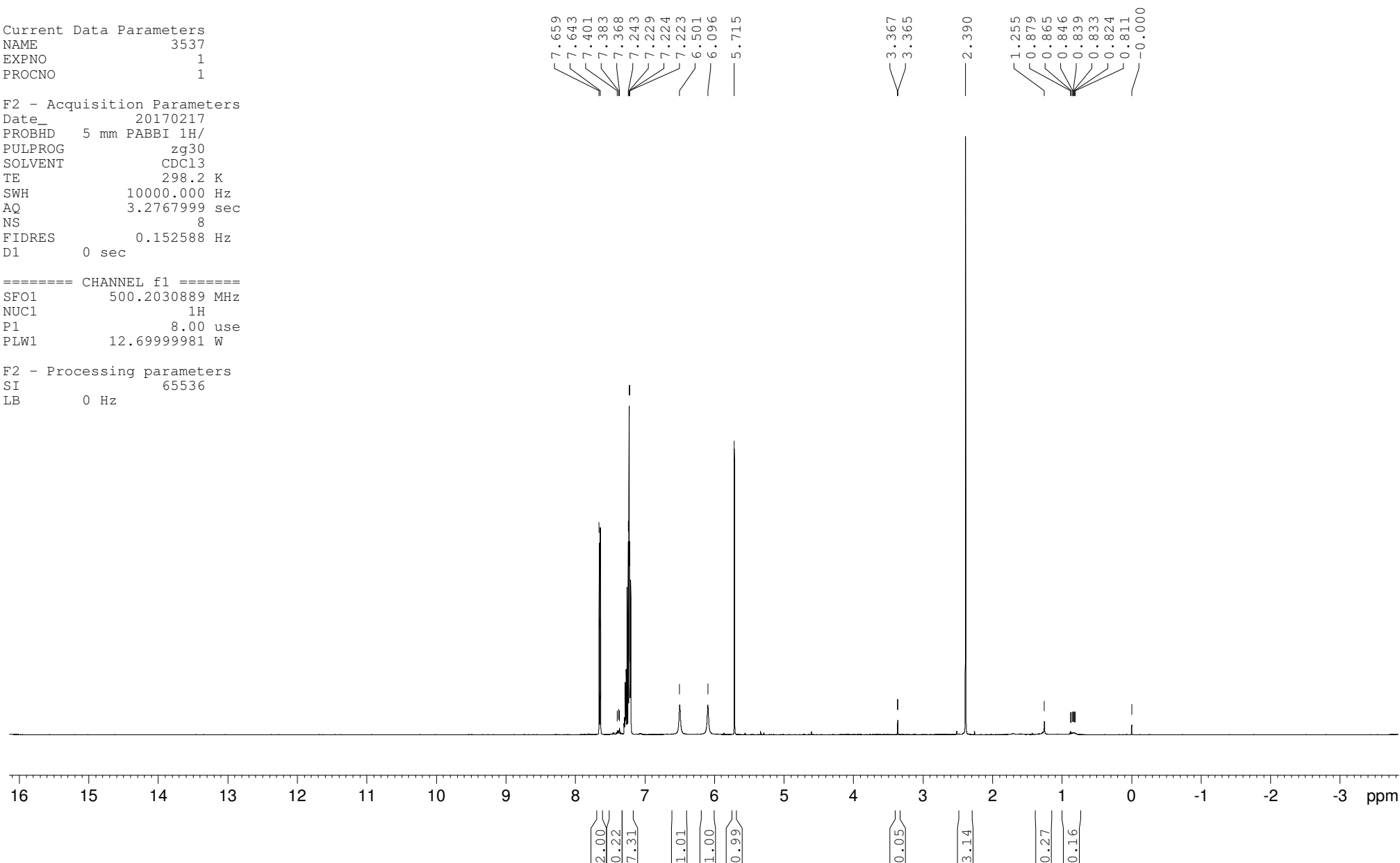
Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG zg30
SOLVENT CDCl3
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====

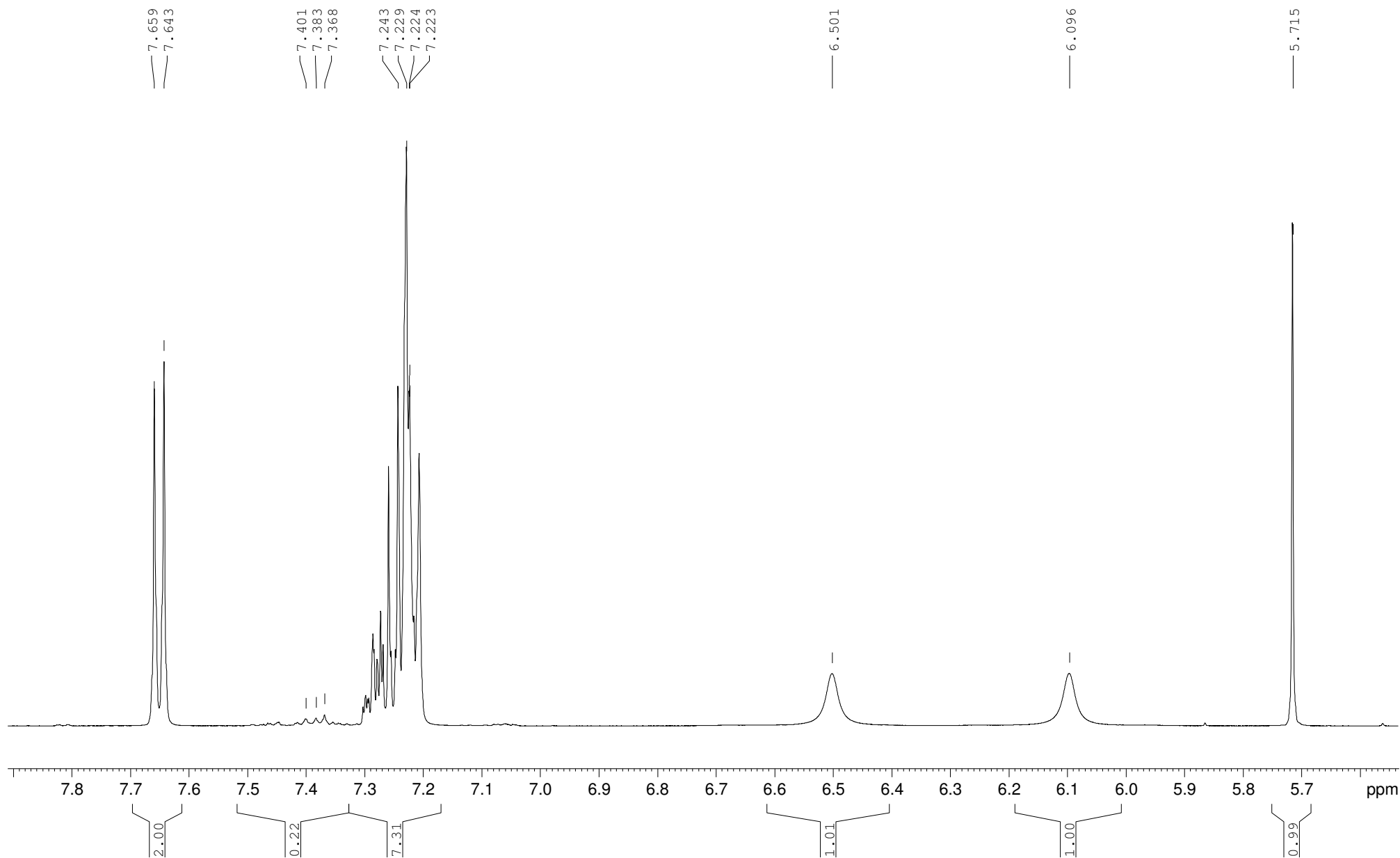
SFO1 500.2030889 MHz
NUC1 1H
P1 8.00 use
PLW1 12.69999981 W

F2 - Processing parameters

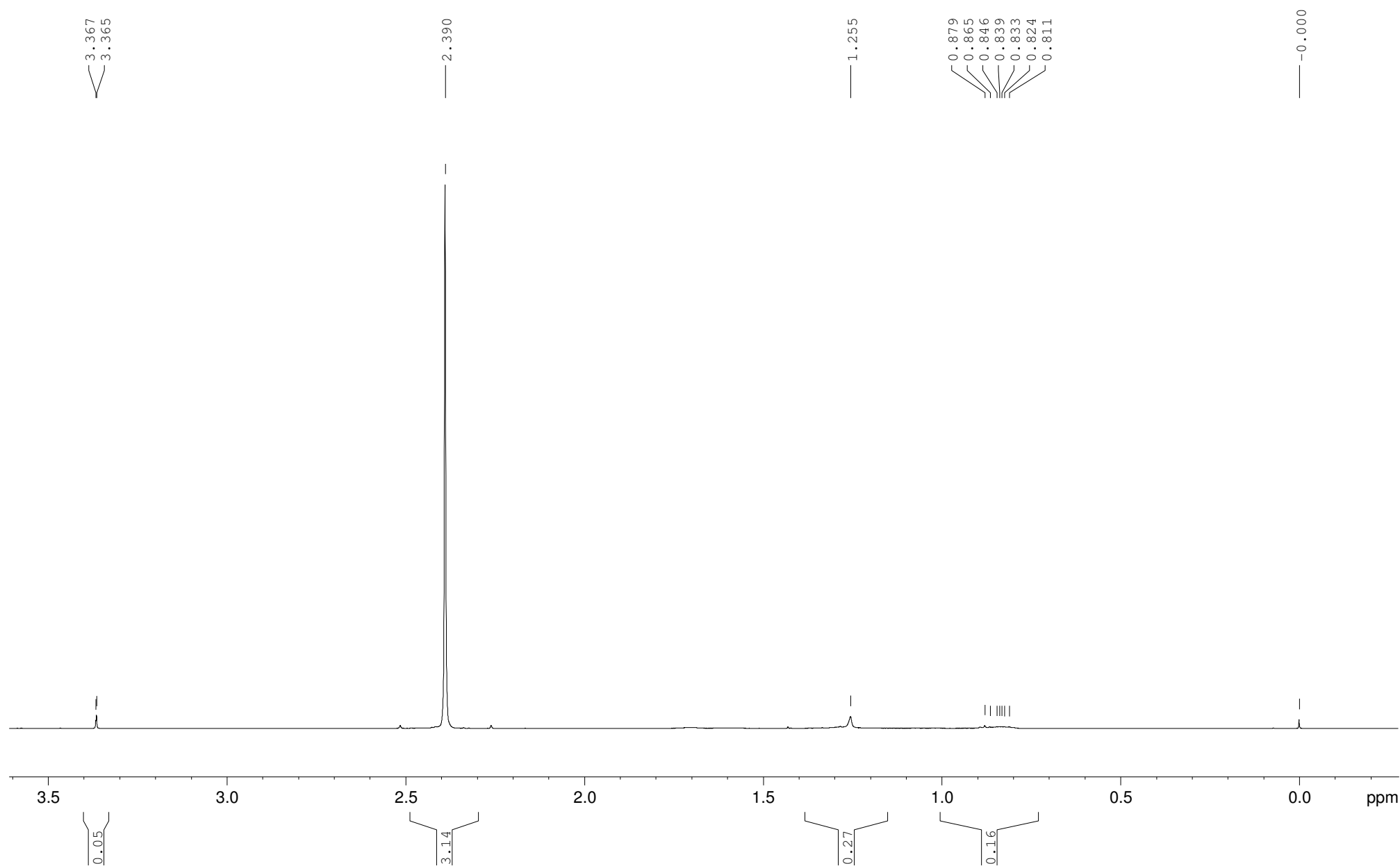
SI 65536
LB 0 Hz



3537-1H
S-Tos-amid



3537-1H
S-Tos-amid



3537-13C
S-Tos-amid

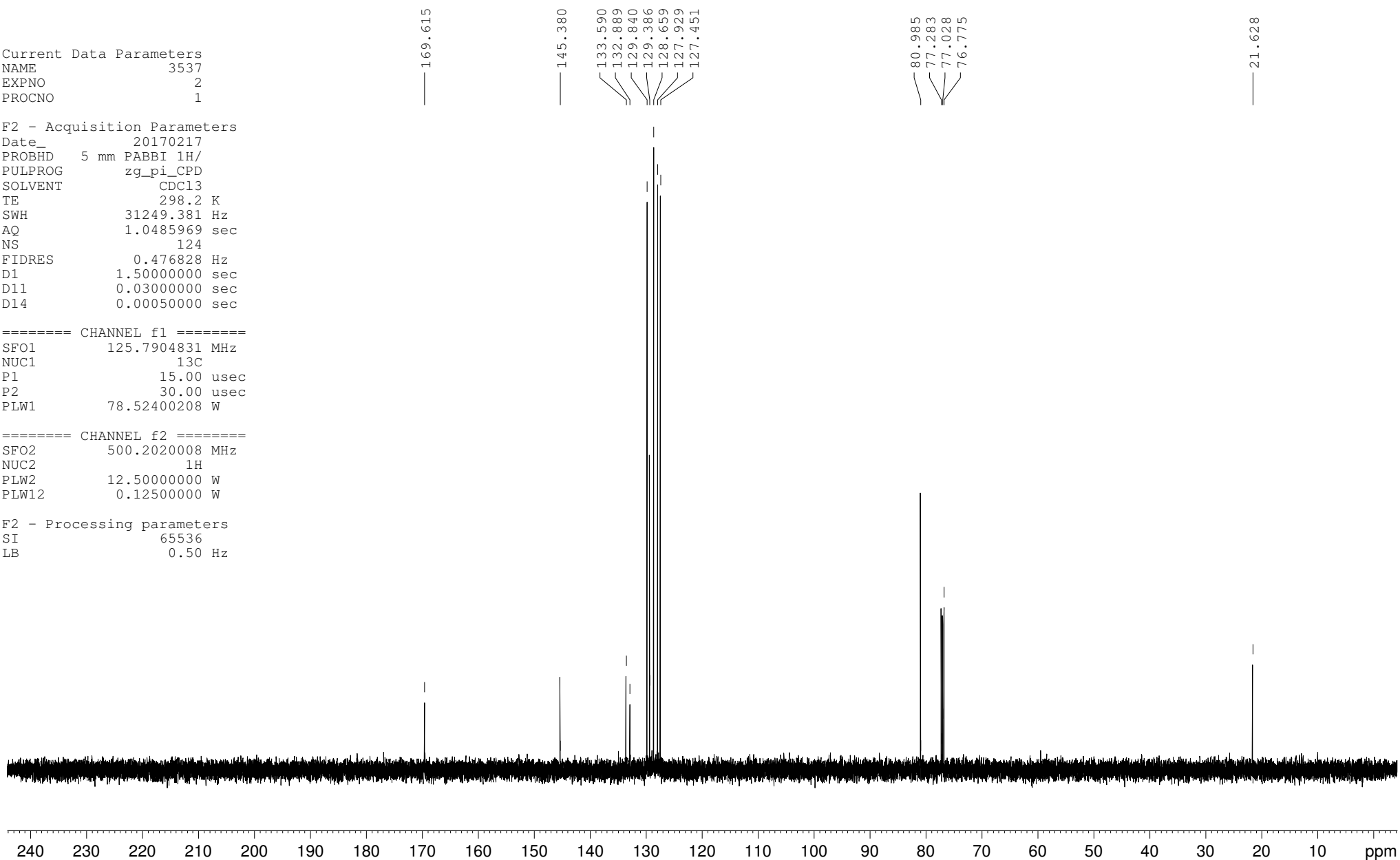
Current Data Parameters
NAME 3537
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG zg_pi_CPD
SOLVENT CDCl3
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 124
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

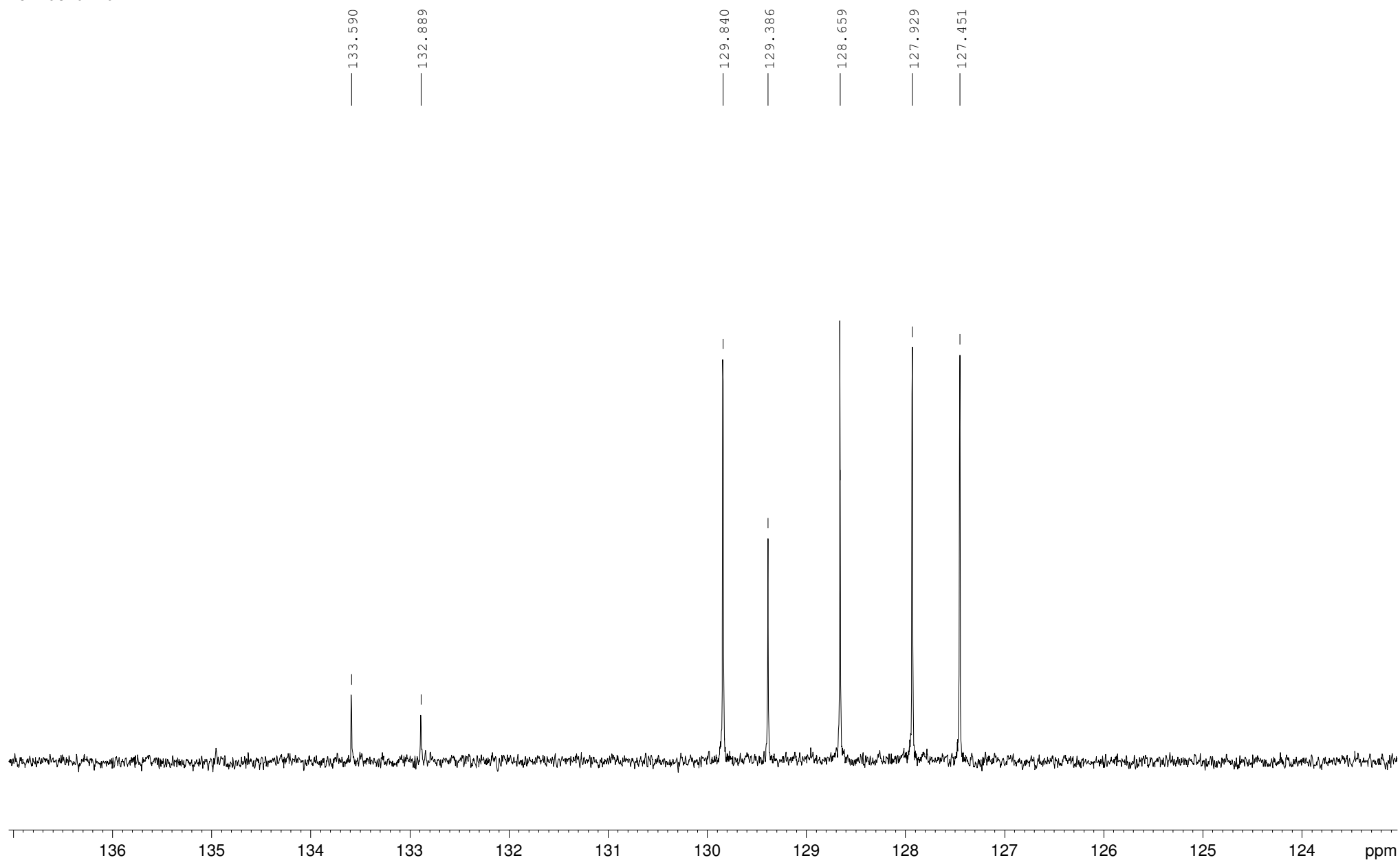
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 15.00 usec
P2 30.00 usec
PLW1 78.52400208 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 12.50000000 W
PLW12 0.12500000 W

F2 - Processing parameters
SI 65536
LB 0.50 Hz



3537-13C
S-Tos-amid



3537-COSY
S-Tos-amid

Current Data Parameters

NAME 3537
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters

Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG cosygpppqf
SOLVENT CDCl3
TE 298.1 K
SWH 5530.974 Hz
AQ 0.1851392 sec
NS 1
FIDRES 2.700671 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec

===== CHANNEL f1 =====

SFO1 500.2022861 MHz
NUC1 1H
P0 8.00 usec
P1 8.00 usec
P17 2500.00 usec
PLW1 12.6999981 W
PLW10 1.20239997 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec

F1 - Acquisition parameters

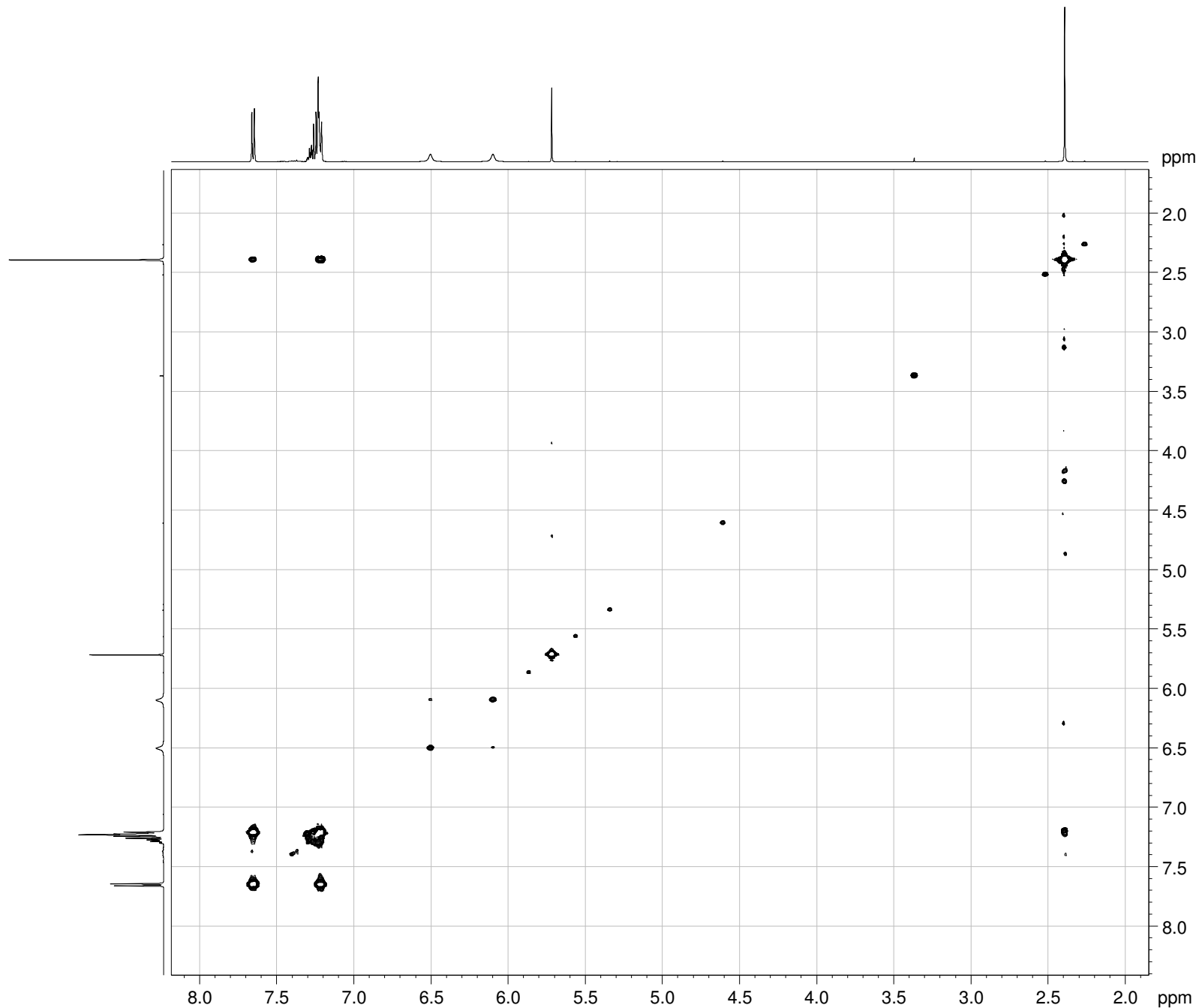
TD 128
SFO1 500.2023 MHz
FIDRES 43.210732 Hz
SW 11.057 ppm
FnMODE QF

F2 - Processing parameters

SI 2048
LB 0 Hz

F1 - Processing parameters

SI 1024
MC2 QF
SF 500.2000127 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0



3537-HSQC
S-Tos-amid

Current Data Parameters
NAME 3537
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG hsqcetdgpisp2.3
SOLVENT CDCl3
TE 298.5 K
SWH 5530.974 Hz
AQ 0.1851392 sec
NS 2
FIDRES 2.700671 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

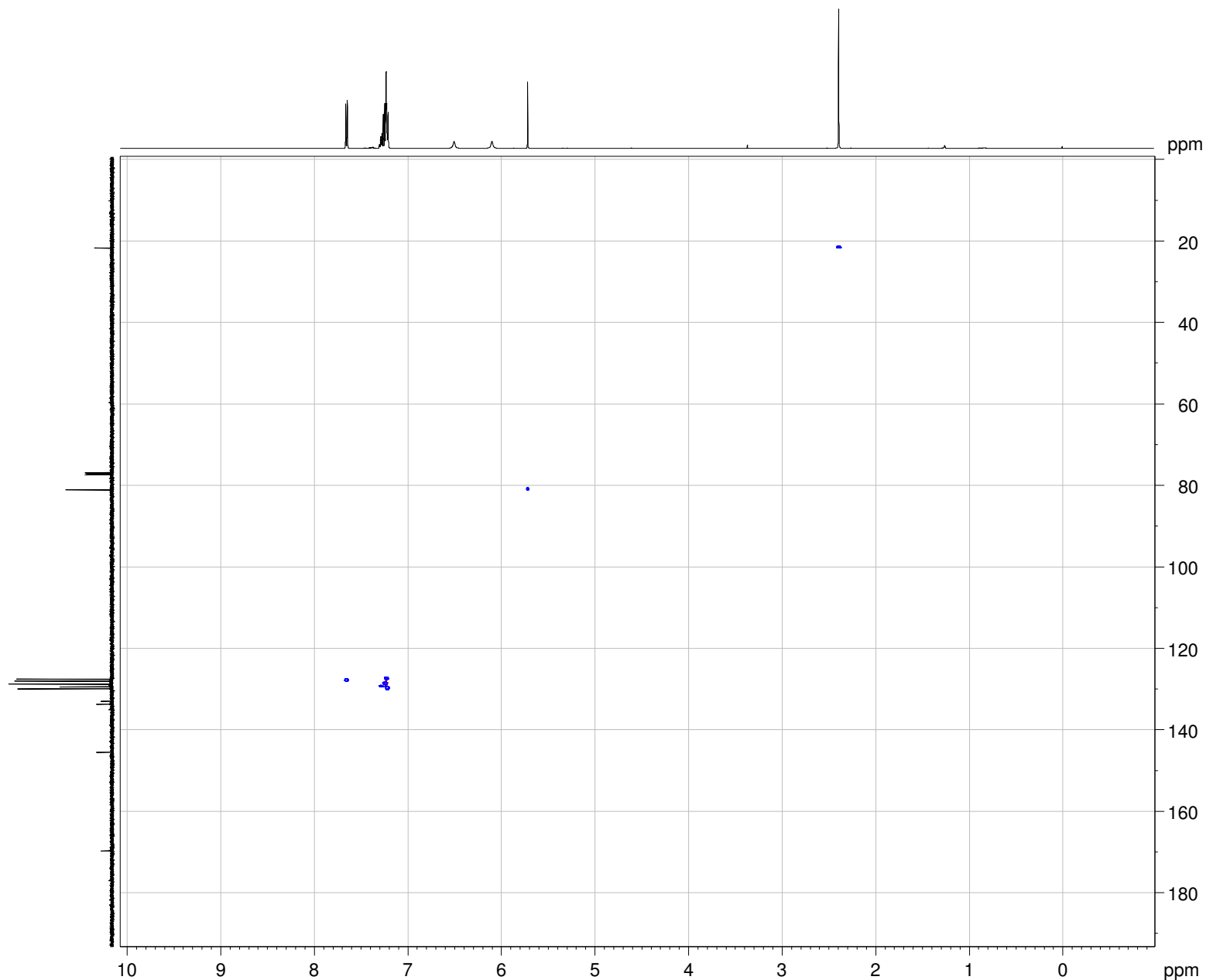
===== CHANNEL f1 =====
SFO1 500.2022861 MHz
NUC1 1H
P1 8.00 usec
P2 16.00 usec
P28 20.00 usec
PLW1 12.69999981 W

===== CHANNEL f2 =====
SFO2 125.7874959 MHz
NUC2 13C
P3 15.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 78.52400208 W
PLW12 3.60570002 W

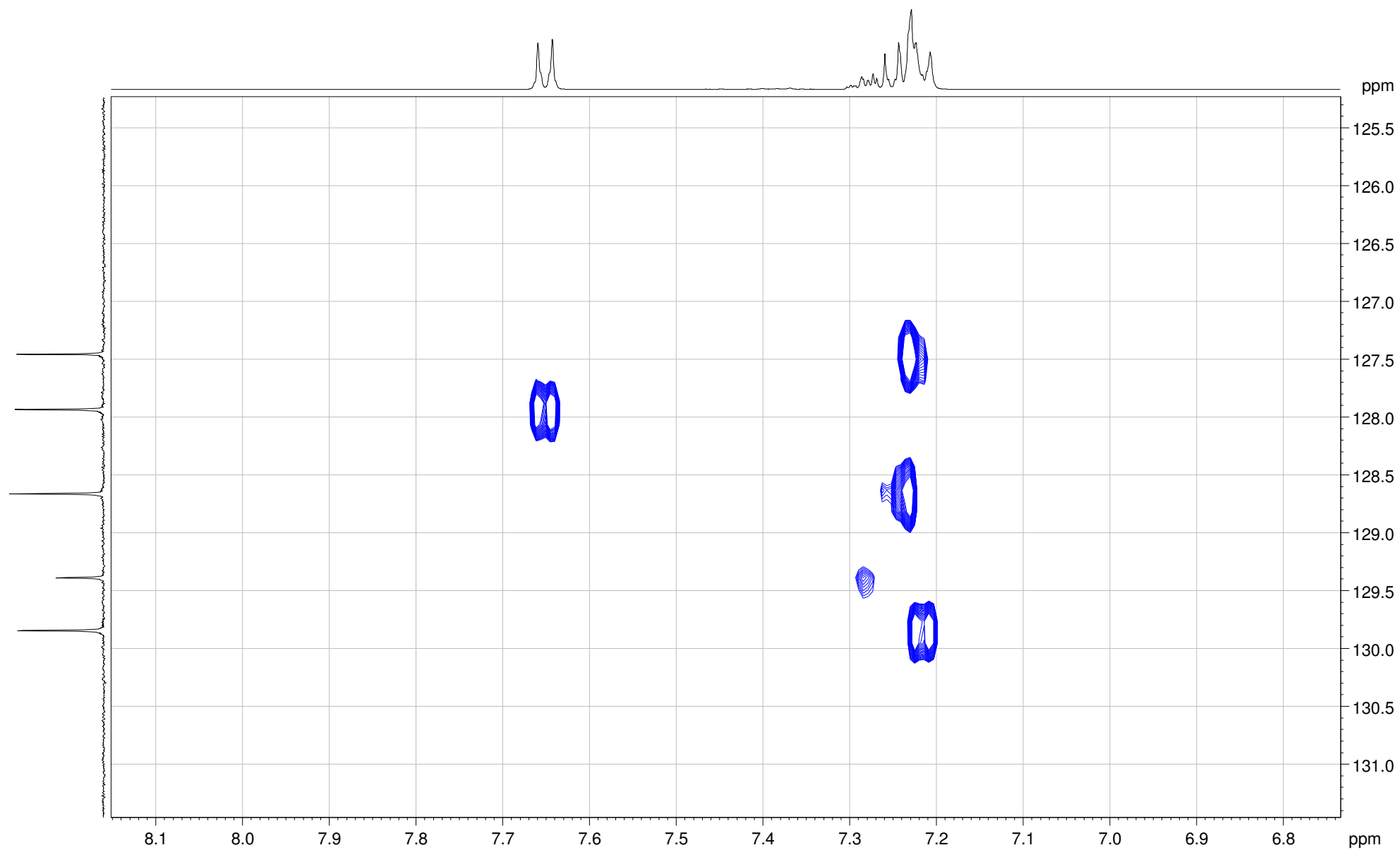
===== GRADIENT CHANNEL =====
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 128
SFO1 125.7875 MHz
FIDRES 190.548782 Hz
SW 193.900 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters



3537-HSQC
S-Tos-amid



(3R,2S)-2a

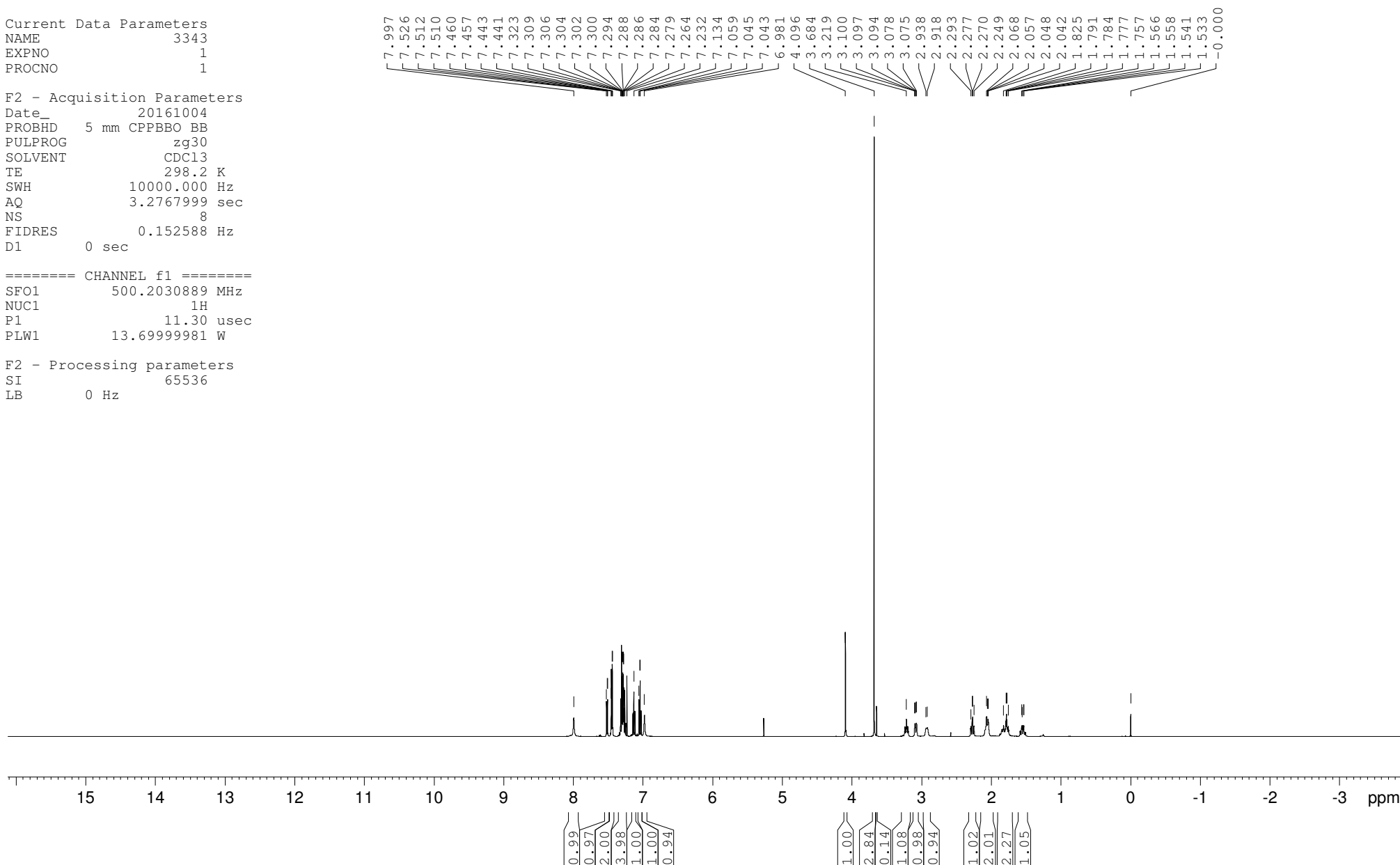
3343-1H
H-mig-am-1

Current Data Parameters
NAME 3343
EXPNO 1
PROCNO 1

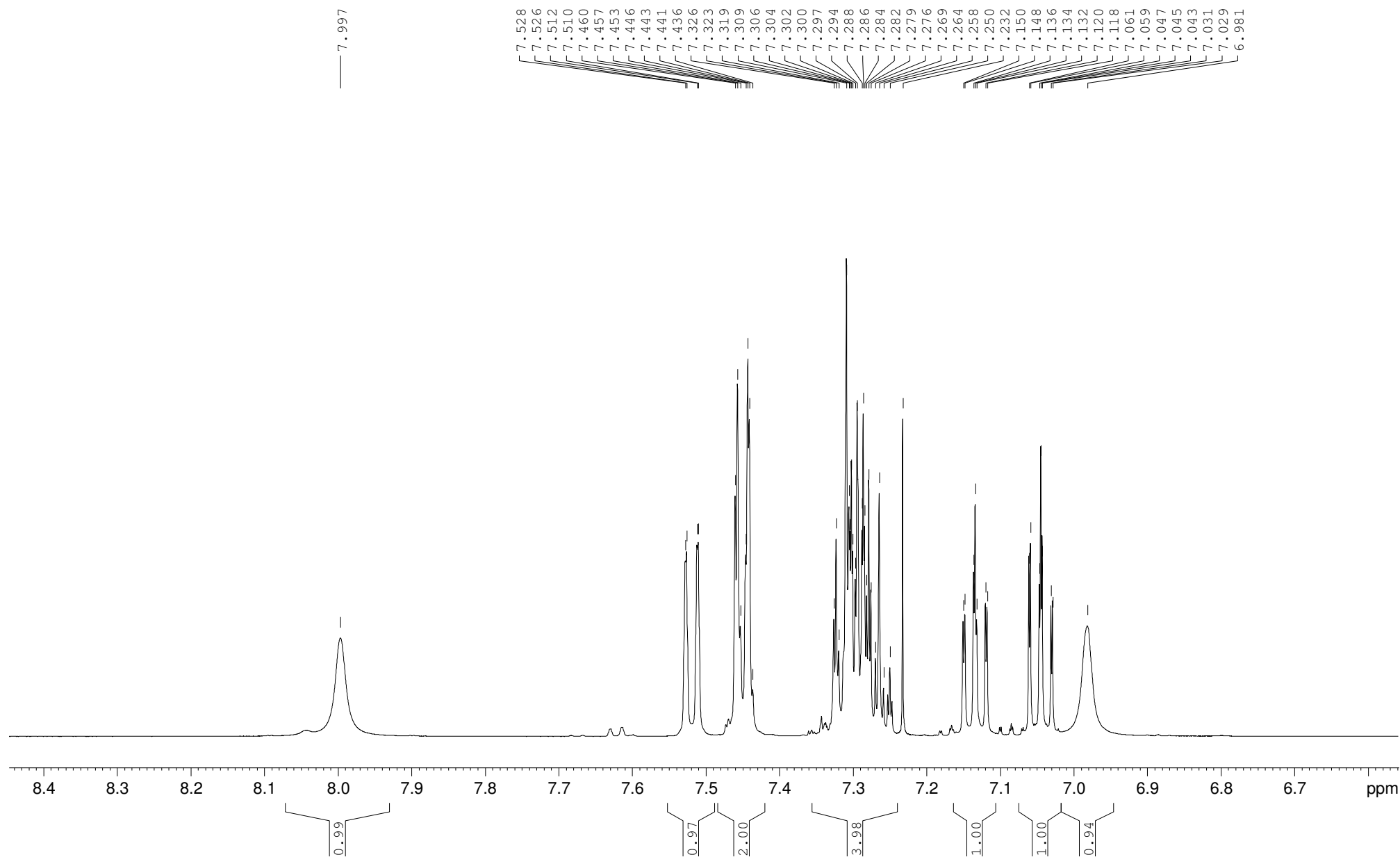
F2 - Acquisition Parameters
Date_ 20161004
PROBHD 5 mm CPPBBO BB
PULPROG zg30
SOLVENT CDCl3
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 11.30 usec
PLW1 13.69999981 W

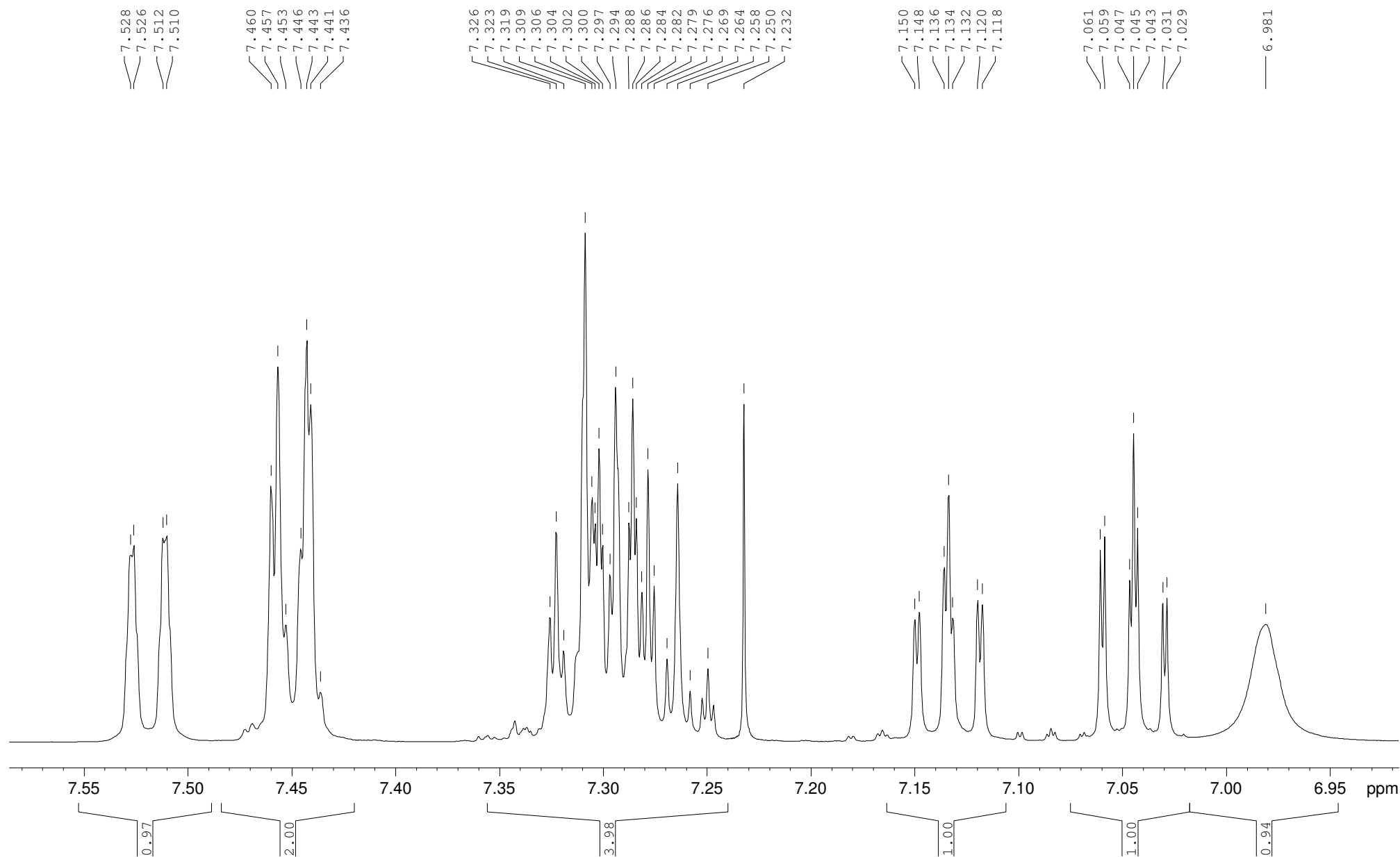
F2 - Processing parameters
SI 65536
LB 0 Hz



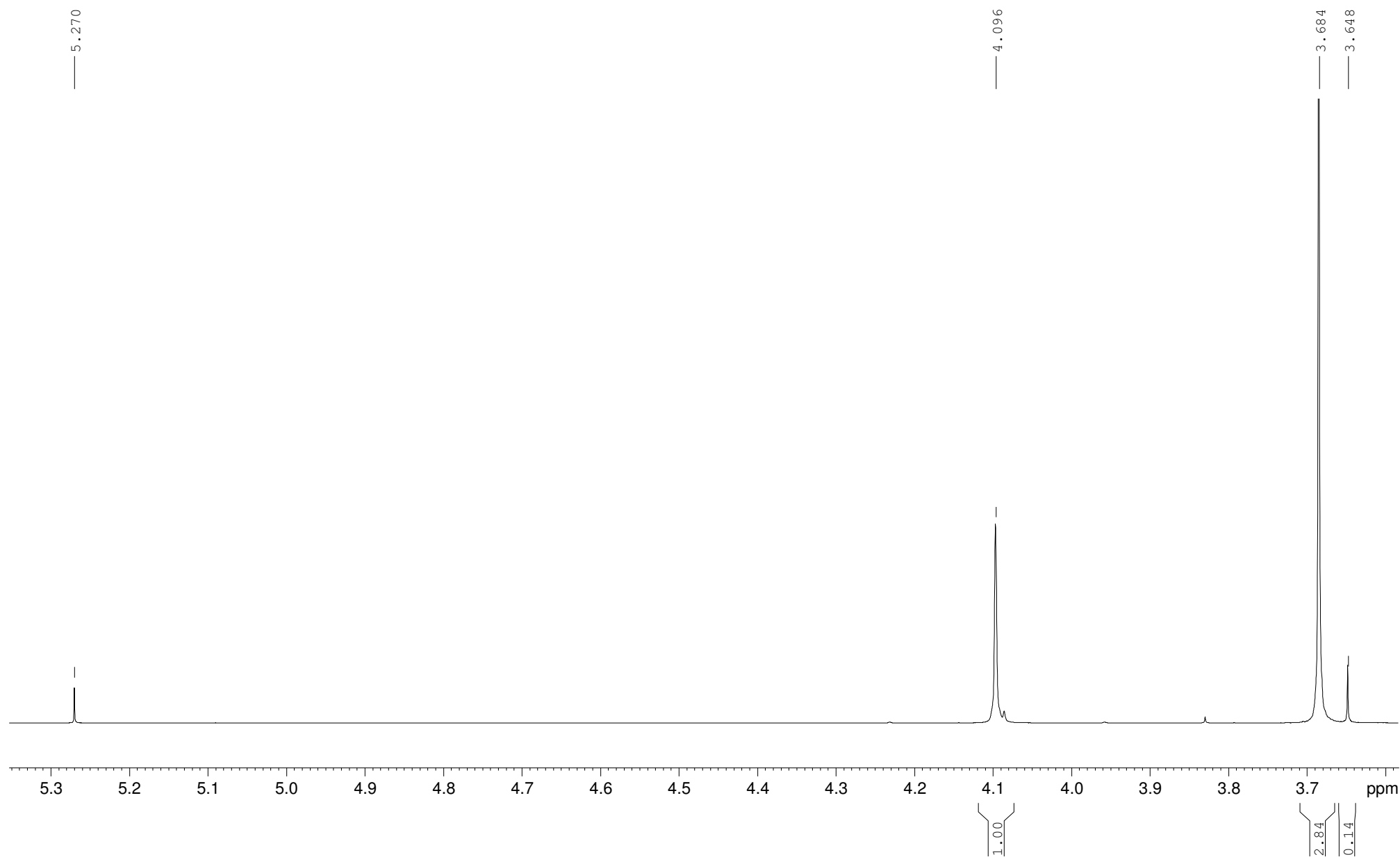
3343-1H
H-mig-am-1



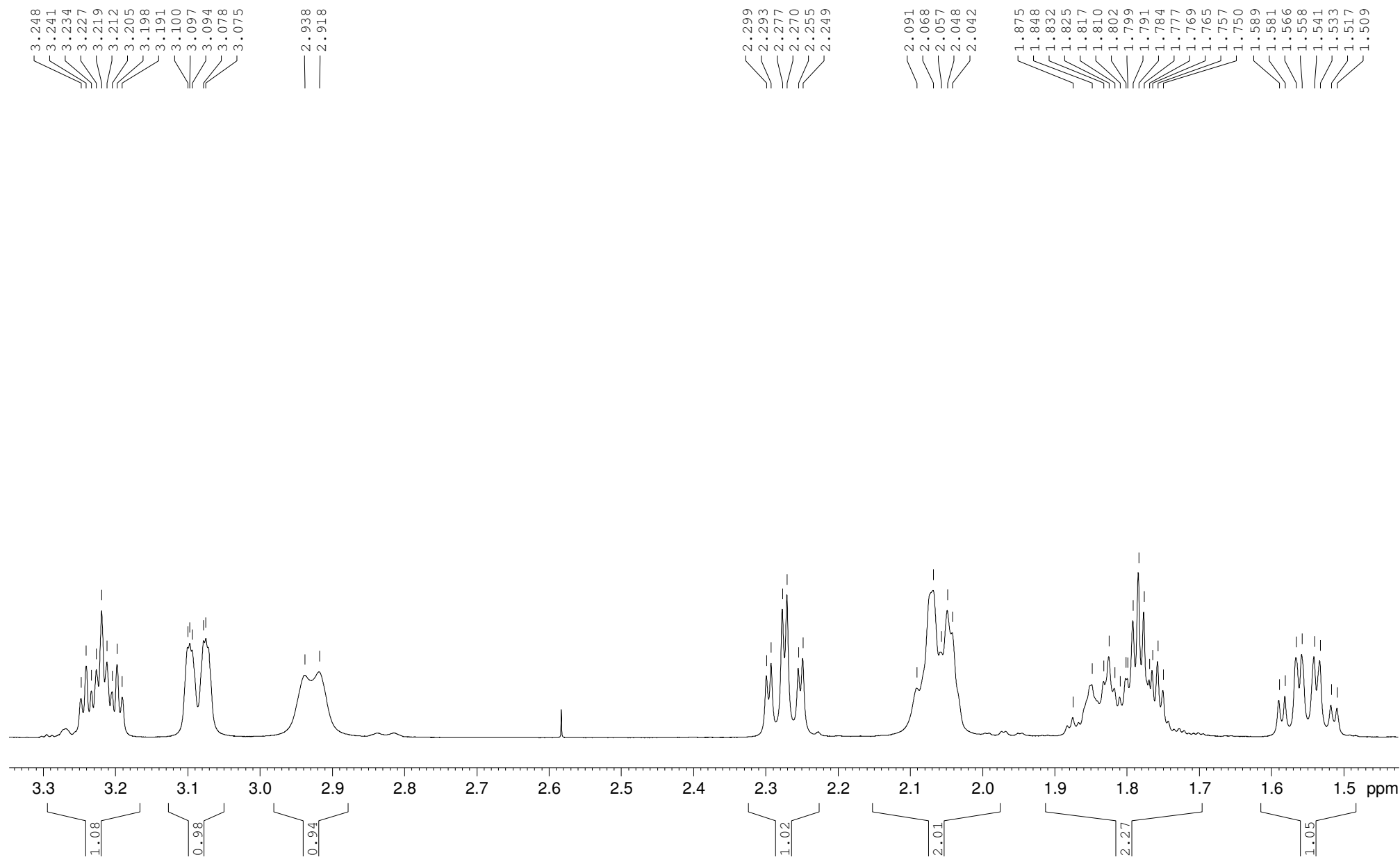
3343-1H
H-mig-am-1



3343-1H
H-mig-am-1



3343-1H
H-mig-am-1



3343-13C
H-mig-am-1

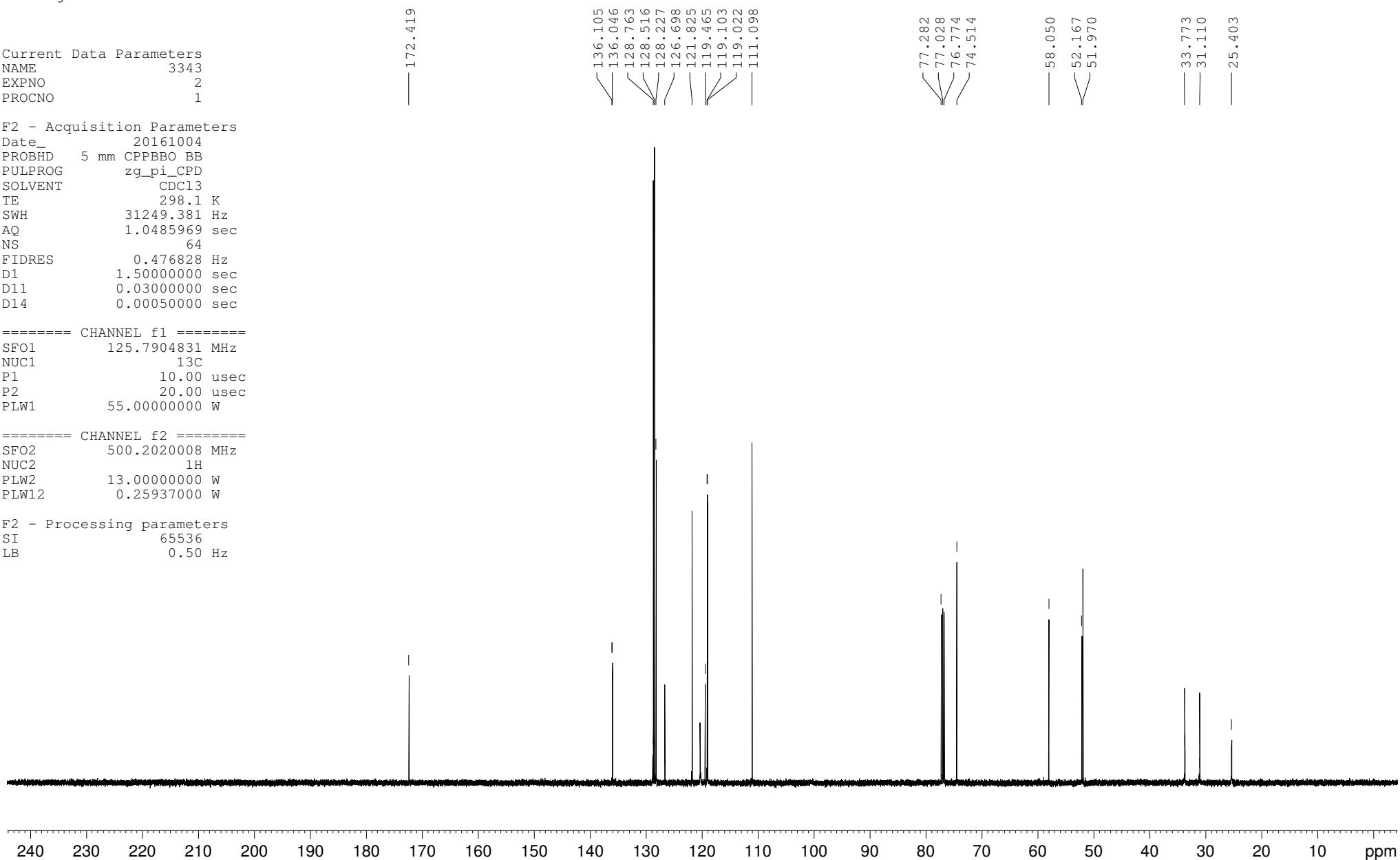
Current Data Parameters
NAME 3343
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20161004
PROBHD 5 mm CPPBBO BB
PULPROG zg_pi_CPD
SOLVENT CDCl3
TE 298.1 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 64
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

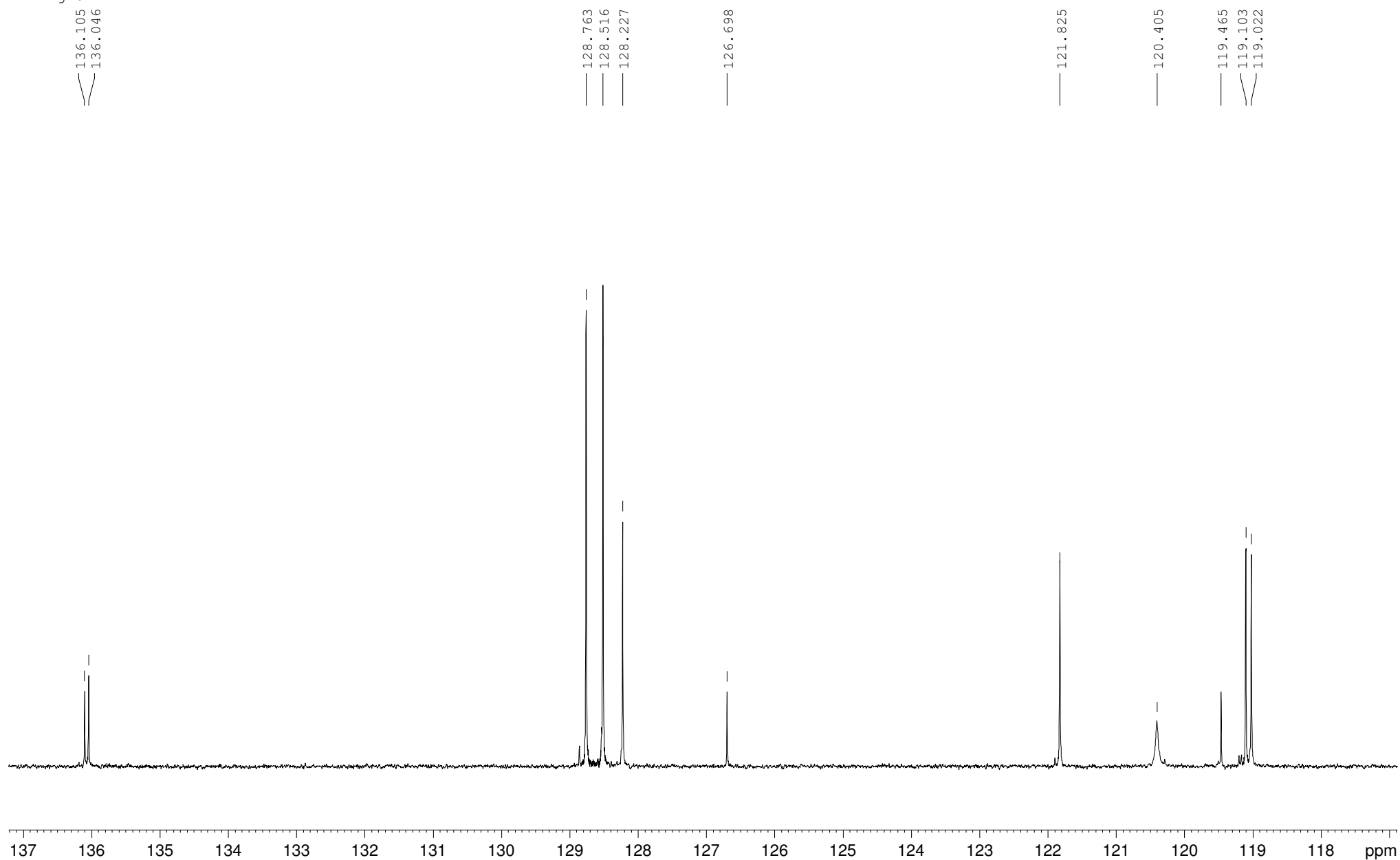
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 10.00 usec
P2 20.00 usec
PLW1 55.00000000 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 13.00000000 W
PLW12 0.25937000 W

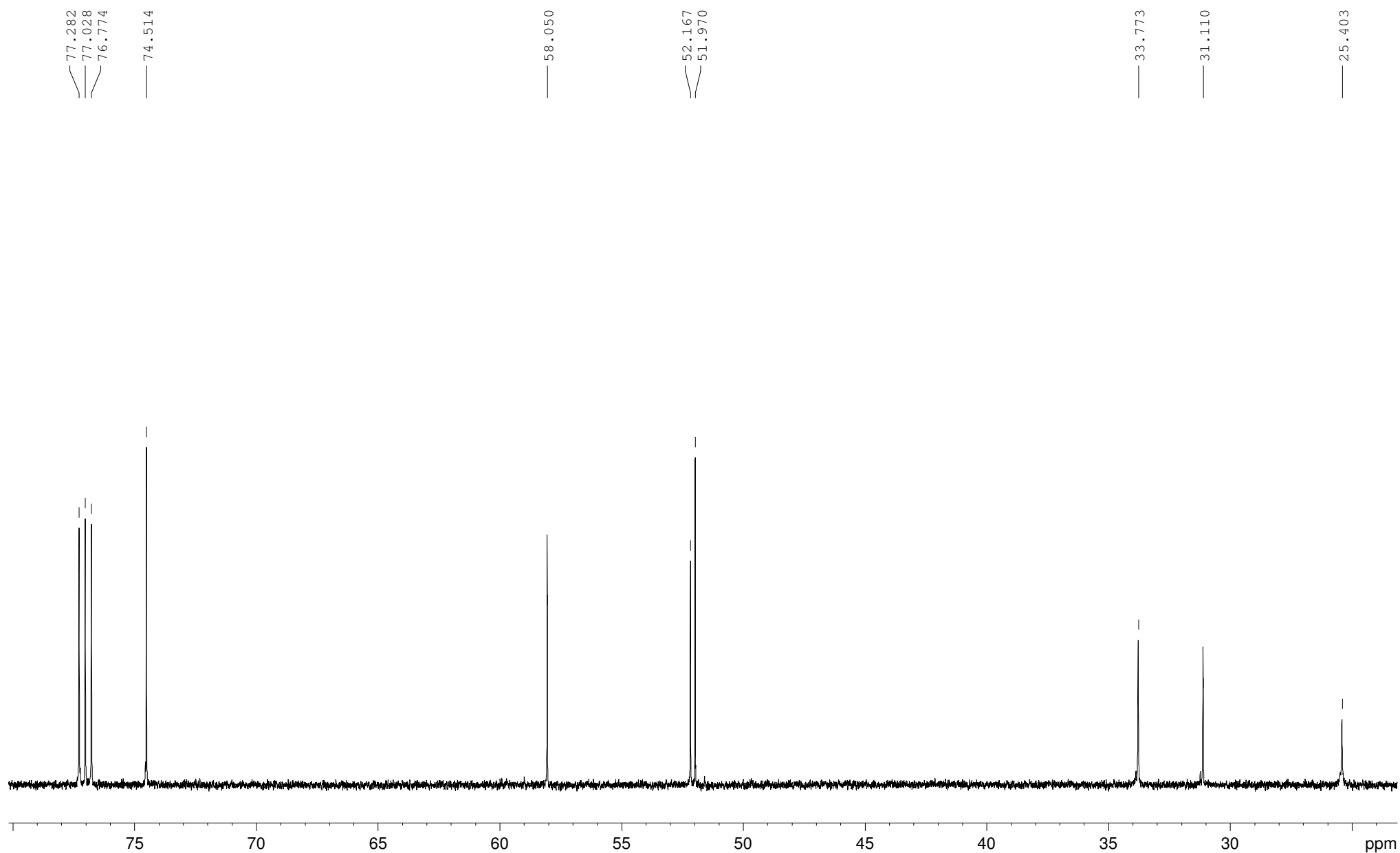
F2 - Processing parameters
SI 65536
LB 0.50 Hz



3343-13C
H-mig-am-1



3343-13C
H-mig-am-1



3343-COSY
H-mig-am-1

Current Data Parameters

NAME 3343
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters

Date_ 20161004
PROBHD 5 mm CPPBBO BB
PULPROG cosygpppqf
SOLVENT CDC13
TE 298.1 K
SWH 5543.237 Hz
AQ 0.1847296 sec
NS 2
FIDRES 2.706659 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec

===== CHANNEL f1 =====

SFO1 500.2022693 MHz
NUC1 1H
P0 11.30 usec
P1 11.30 usec
P17 0 usec
PLW1 13.69999981 W
PLW10 2.58780003 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec

F1 - Acquisition parameters

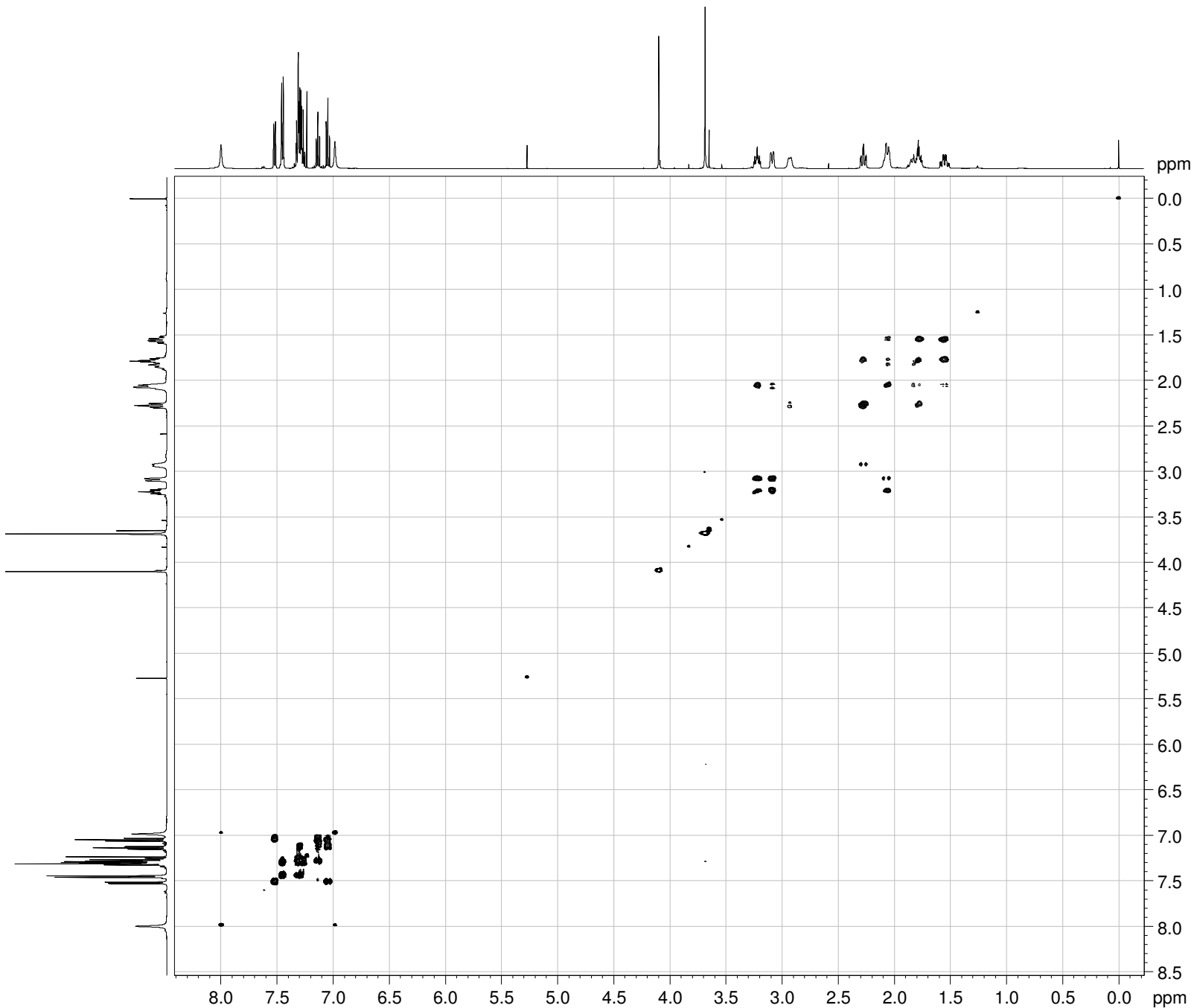
TD 128
SFO1 500.2023 MHz
FIDRES 43.306541 Hz
SW 11.082 ppm
FnMODE QF

F2 - Processing parameters

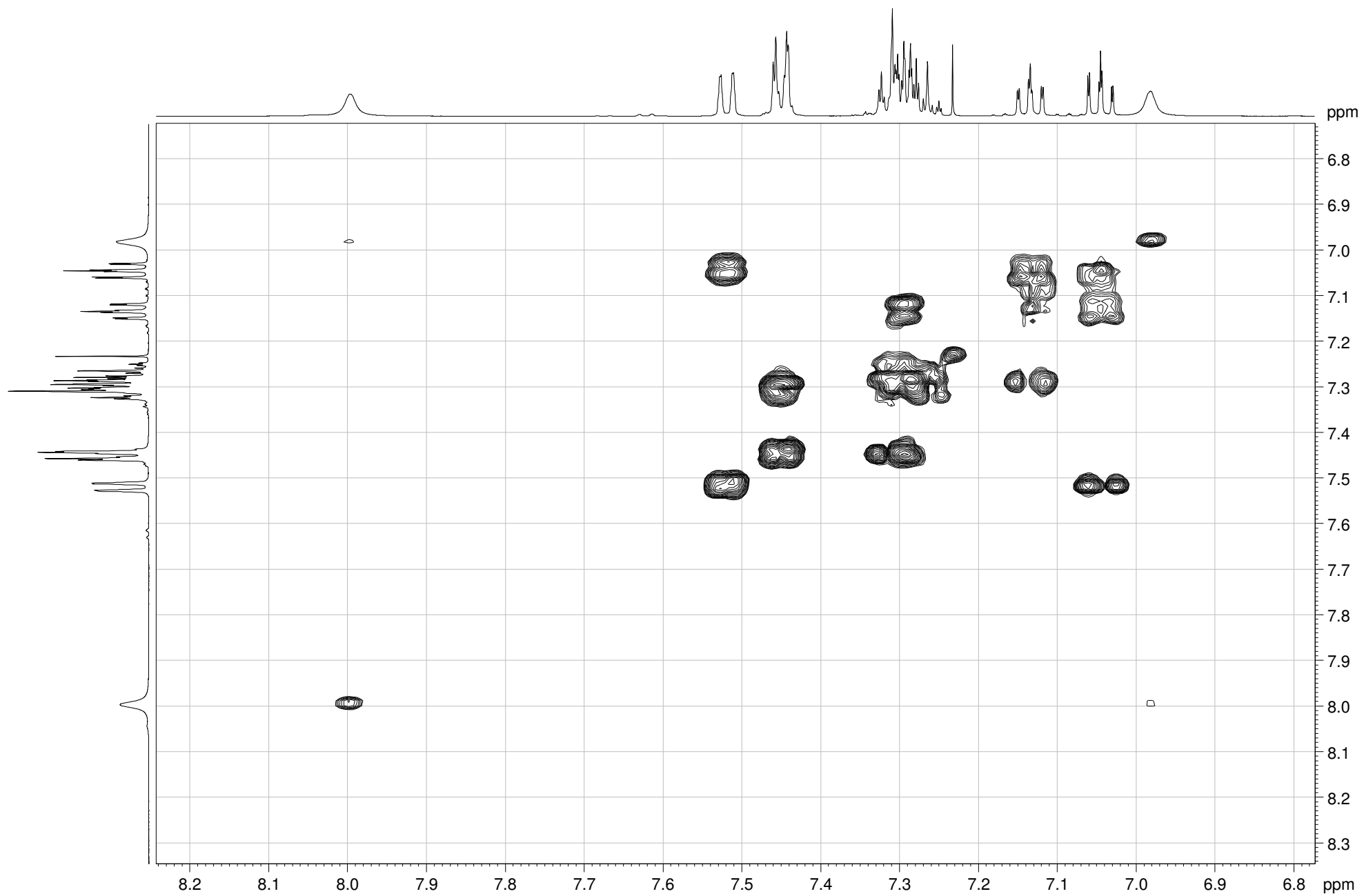
SI 2048
LB 0 Hz

F1 - Processing parameters

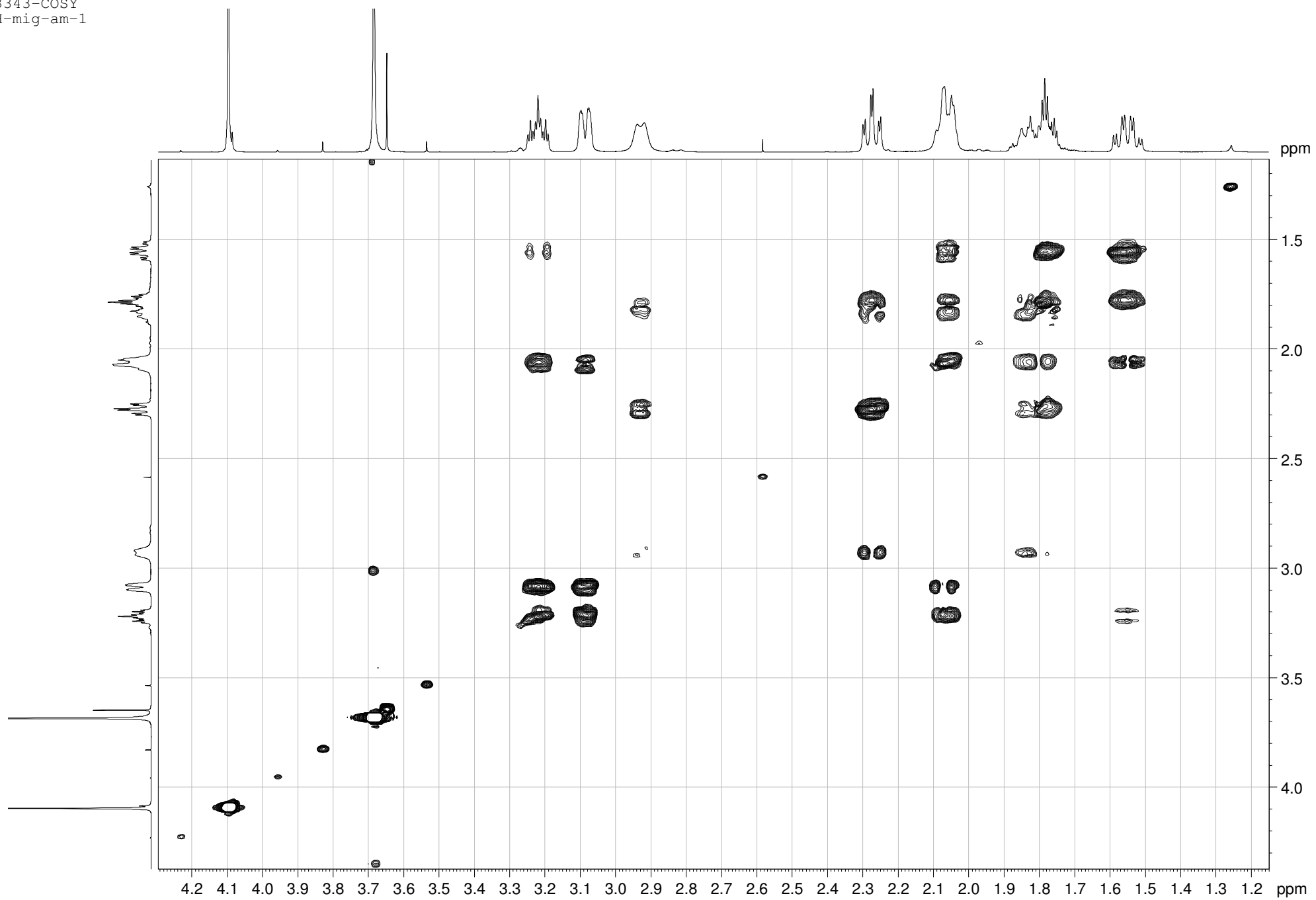
SI 1024
MC2 QF
SF 500.2000256 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0



3343-COSY
H-mig-am-1



3343-COSY
H-mig-am-1



3343-HSQC
H-mig-am-1

Current Data Parameters
NAME 3343
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters

Date_ 20161004
PROBHD 5 mm CPPBBO BB
PULPROG hsqcedetgpsisp2.3
SOLVENT CDCl3
TE 298.2 K
SWH 5543.237 Hz
AQ 0.1847296 sec
NS 4
FIDRES 2.706659 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

===== CHANNEL f1 =====

SFO1 500.2022693 MHz
NUC1 1H
P1 11.30 usec
P2 22.60 usec
P28 0 usec
PLW1 13.69999981 W

===== CHANNEL f2 =====

SFO2 125.7879682 MHz
NUC2 13C
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 55.00000000 W
PLW12 1.30180001 W

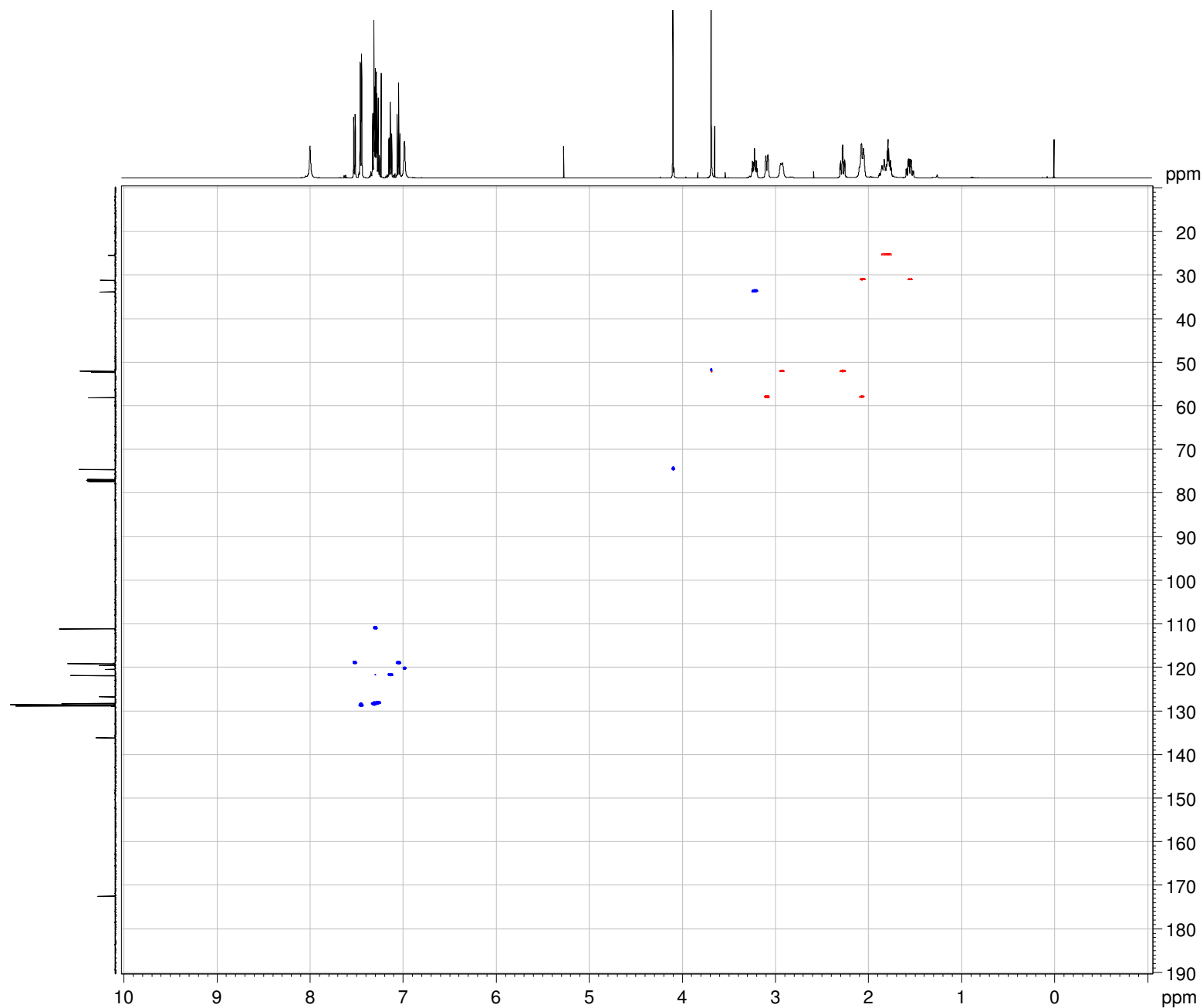
===== GRADIENT CHANNEL =====

P16 1000.00 usec
P19 600.00 usec

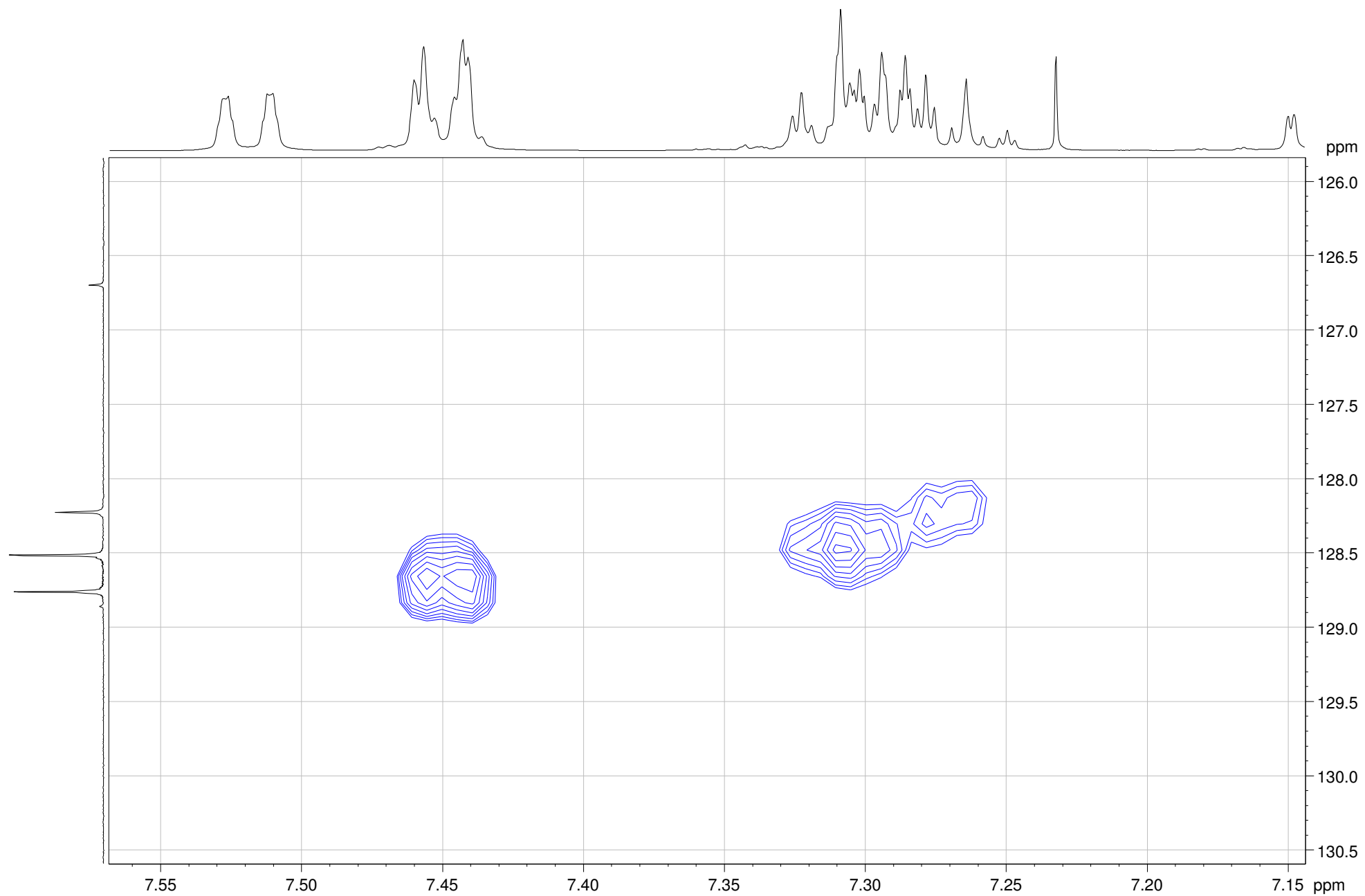
F1 - Acquisition parameters

TD 128
SFO1 125.788 MHz
FIDRES 177.556824 Hz
SW 180.679 ppm
FnMODE Echo-Antiecho

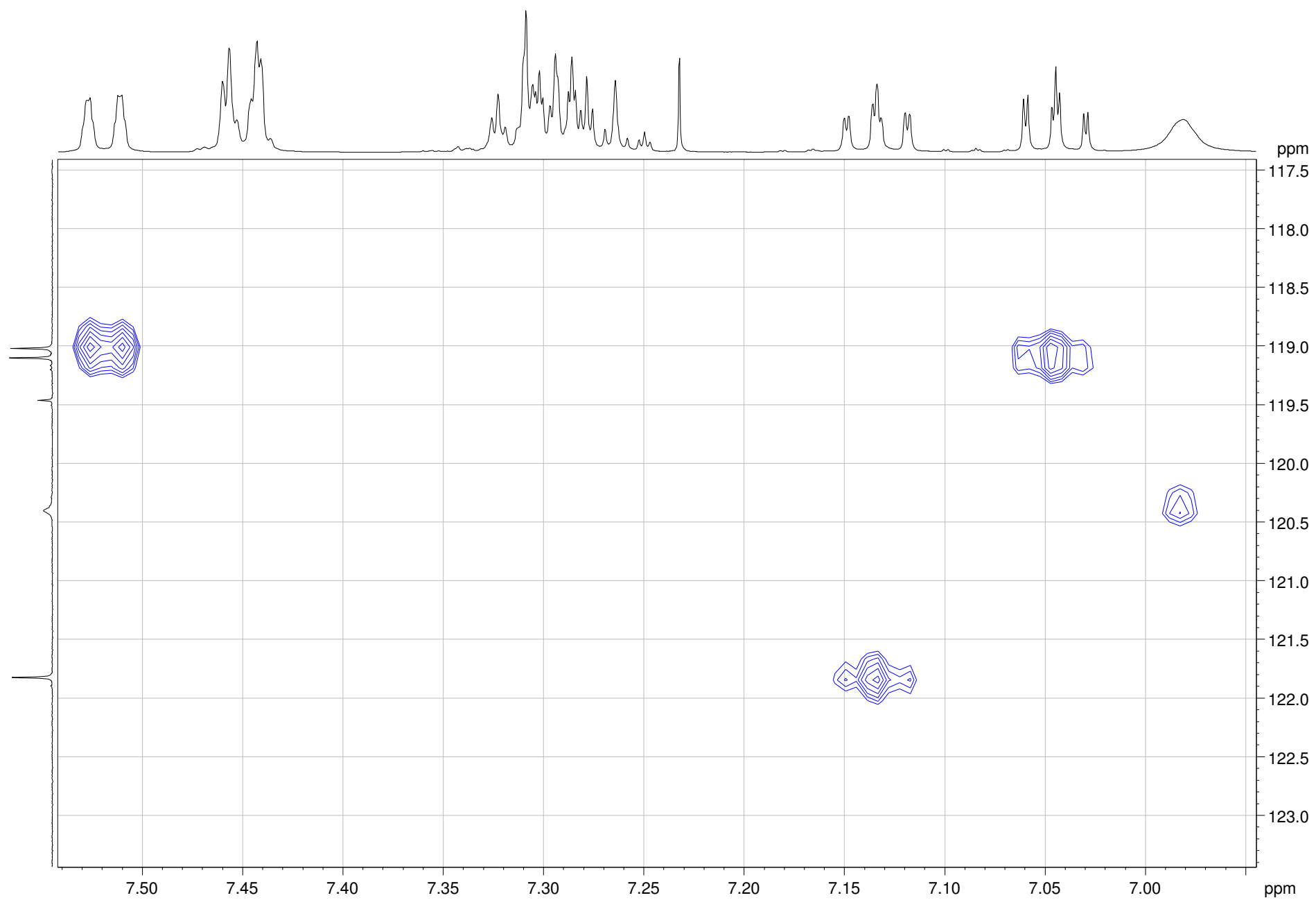
F2 - Processing parameters



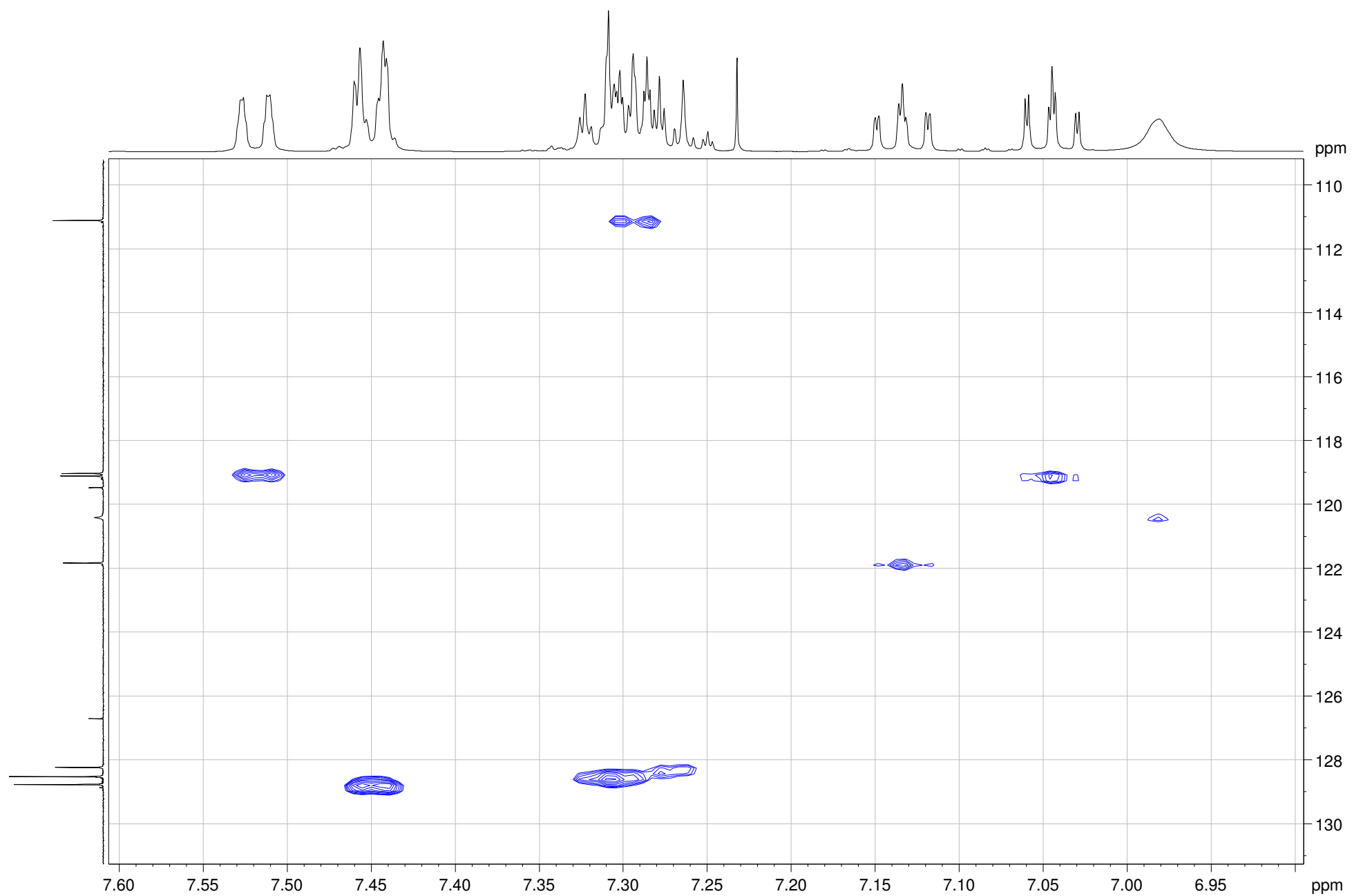
3343-HSQC
H-mig-am-1



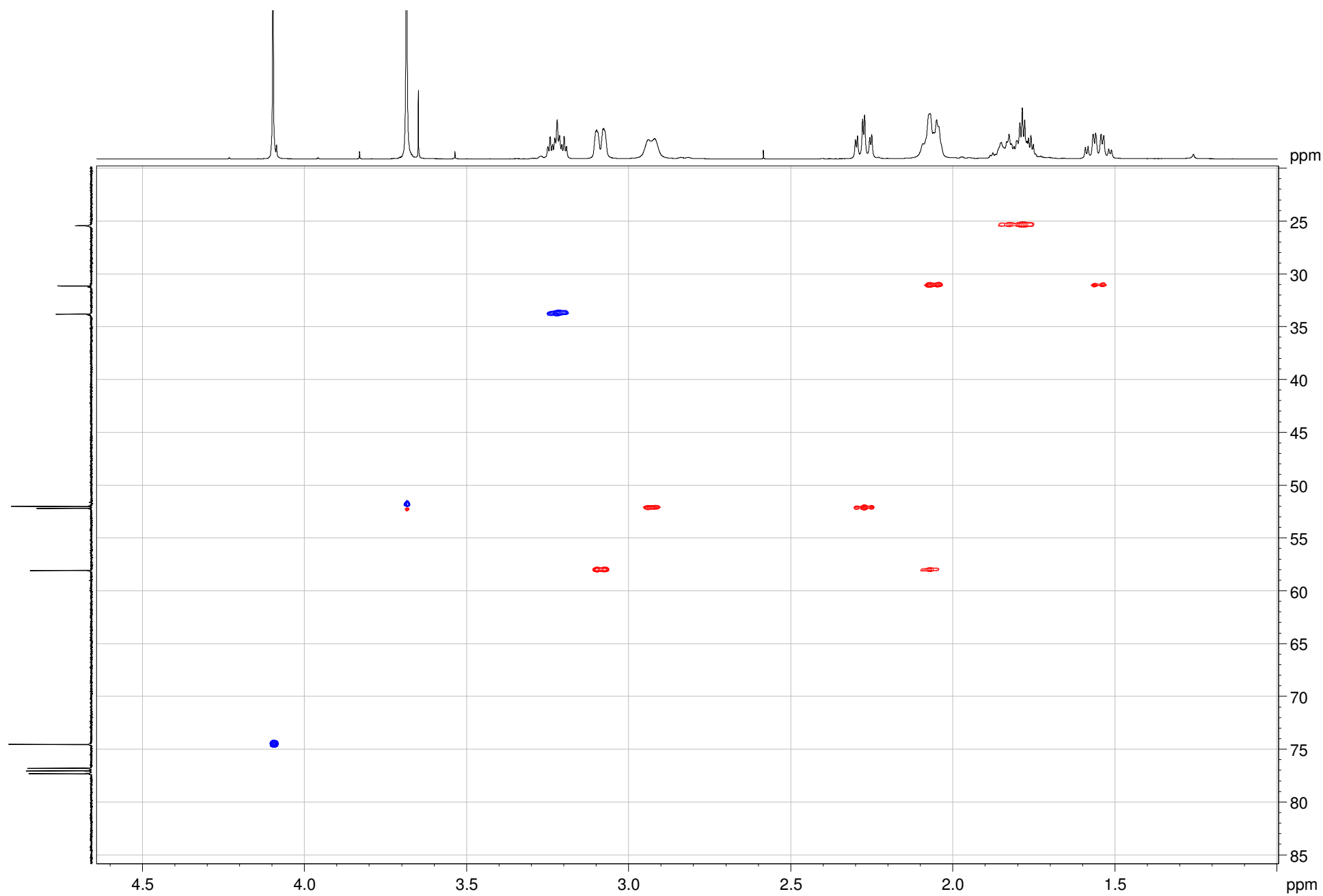
3343-HSQC
H-mig-am-1



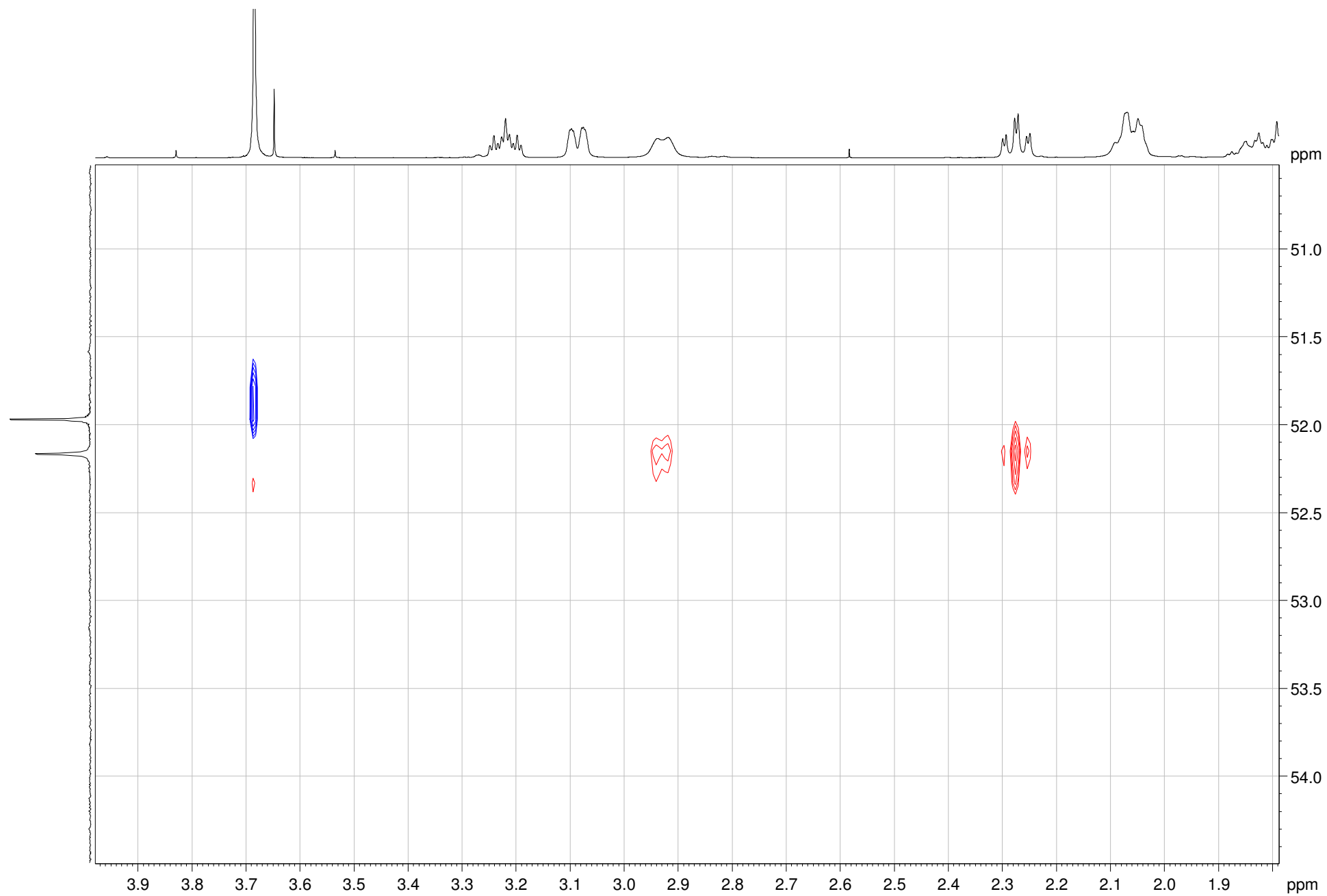
3343-HSQC
H-mig-am-1



3343-HSQC
H-mig-am-1



3343-HSQC
H-mig-am-1



(3R,2R)-4a

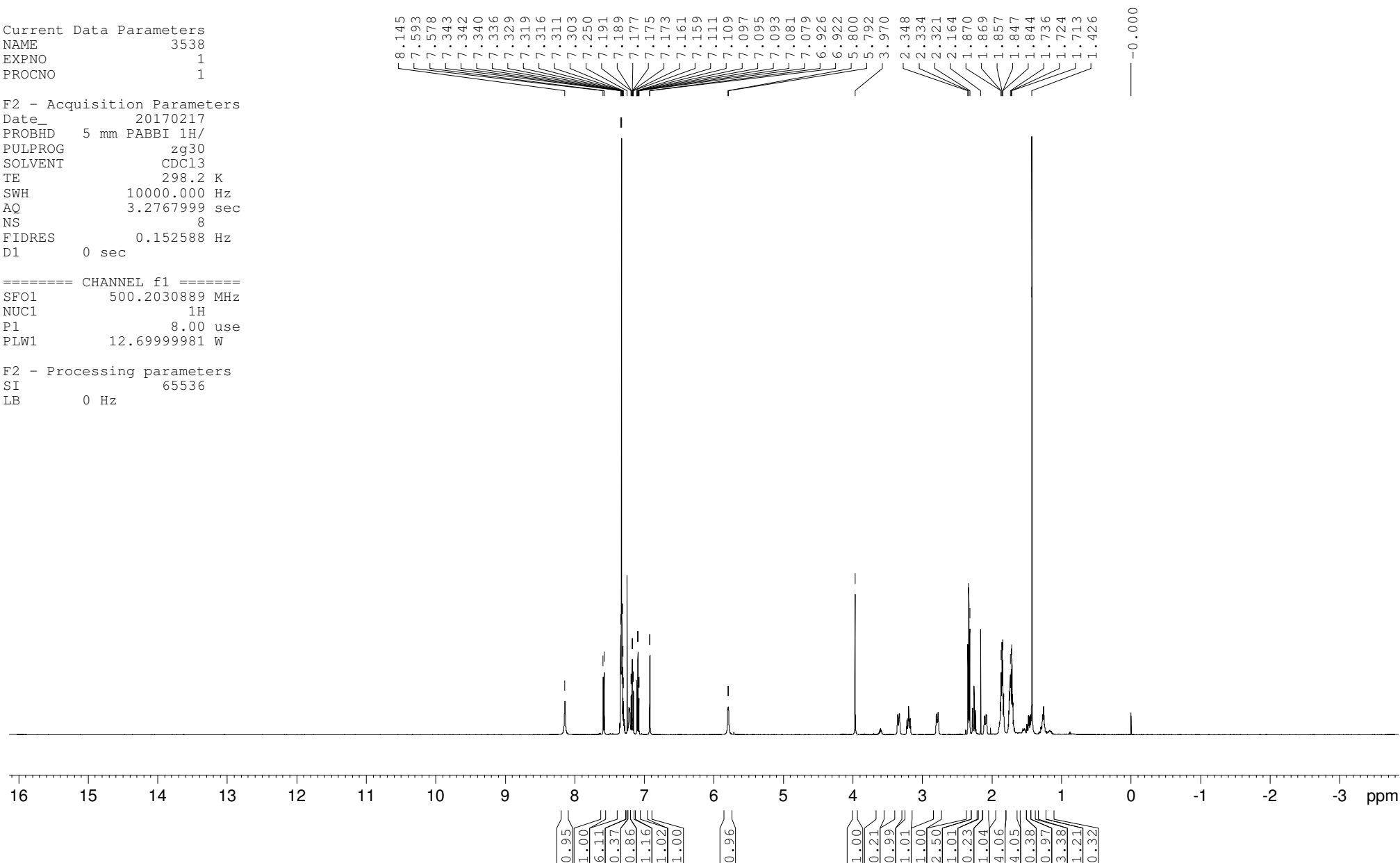
3538-1H
A-amid

Current Data Parameters
NAME 3538
EXPNO 1
PROCNO 1

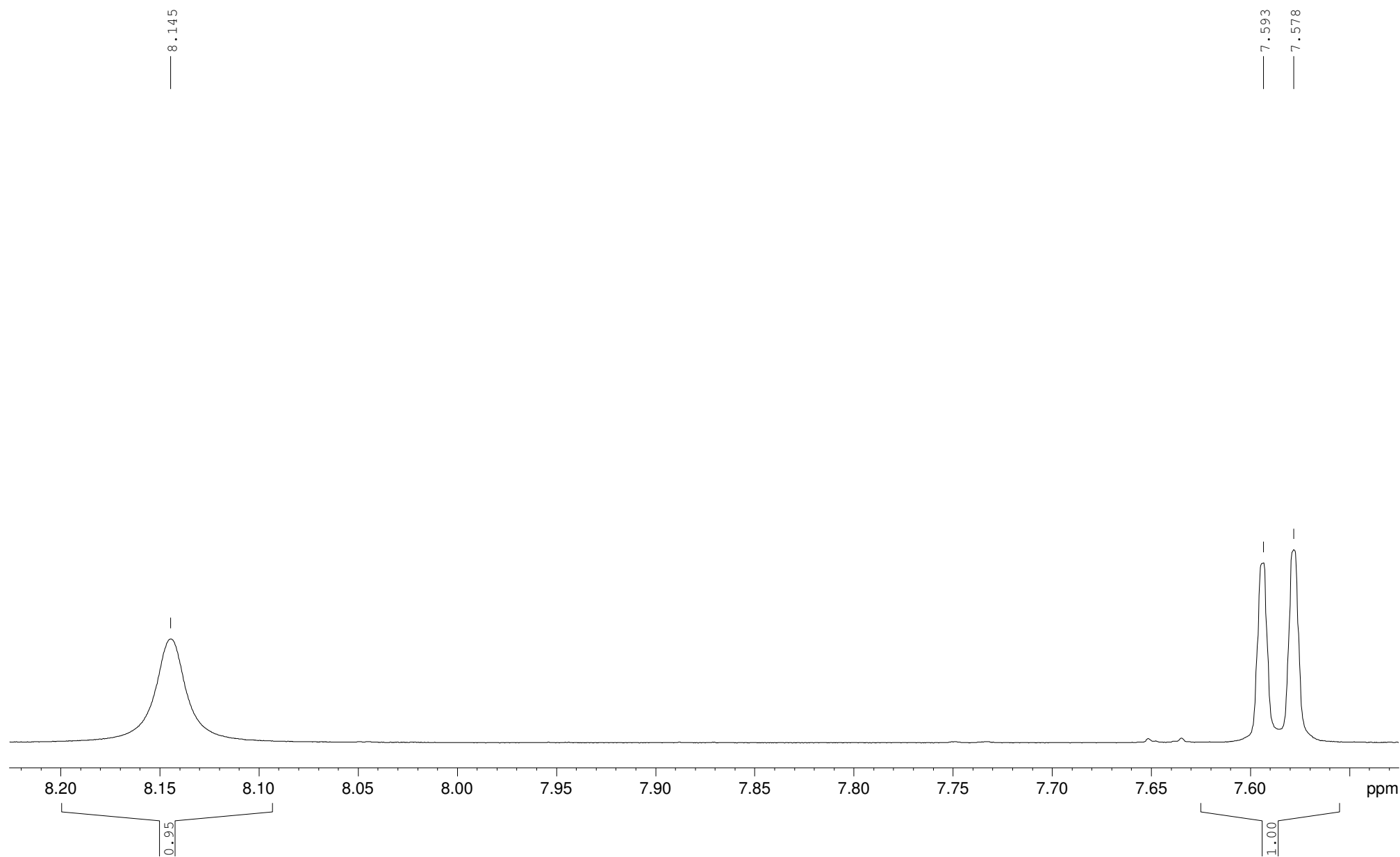
F2 - Acquisition Parameters
Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG zg30
SOLVENT CDCl3
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 8.00 use
PLW1 12.69999981 W

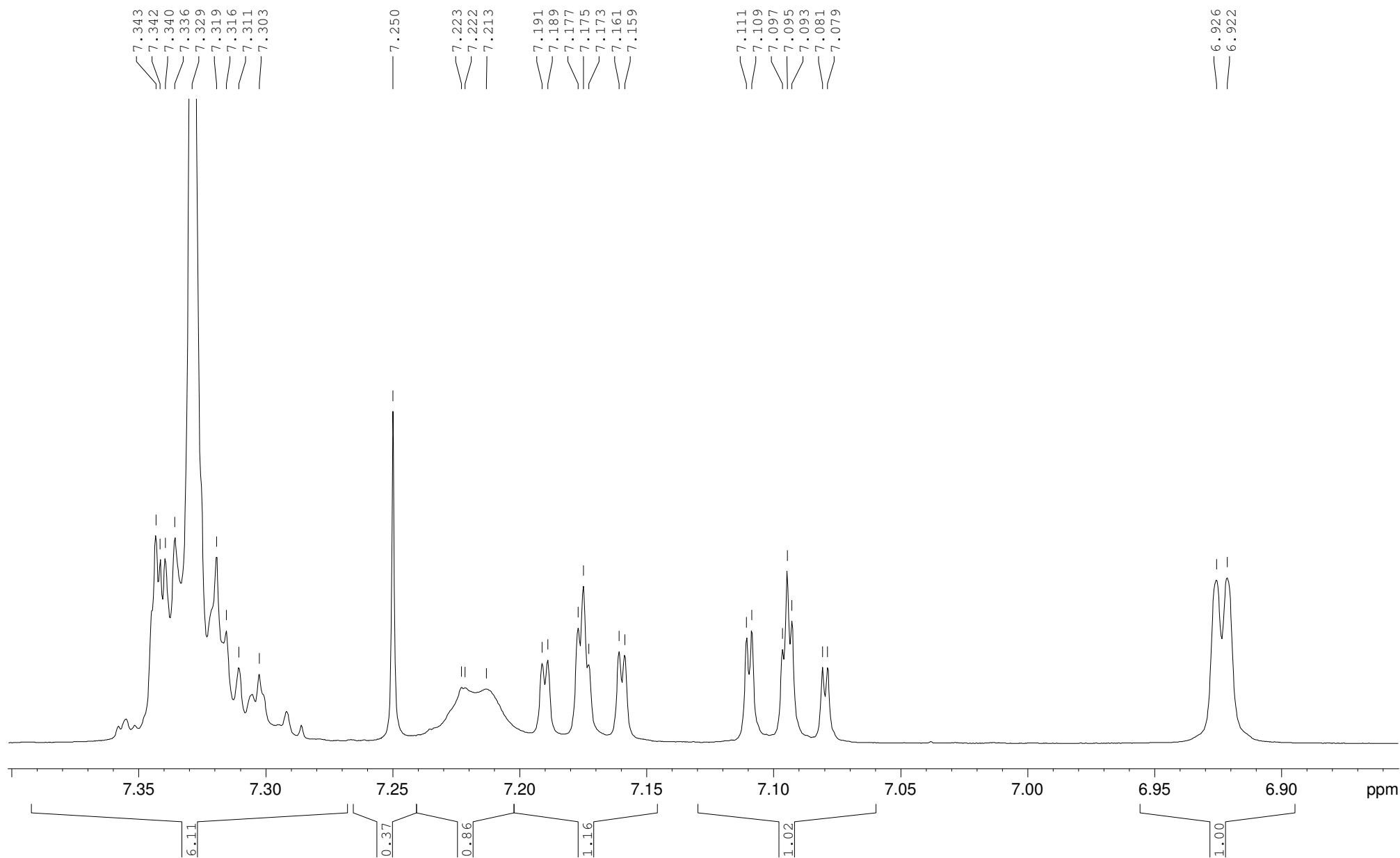
F2 - Processing parameters
SI 65536
LB 0 Hz



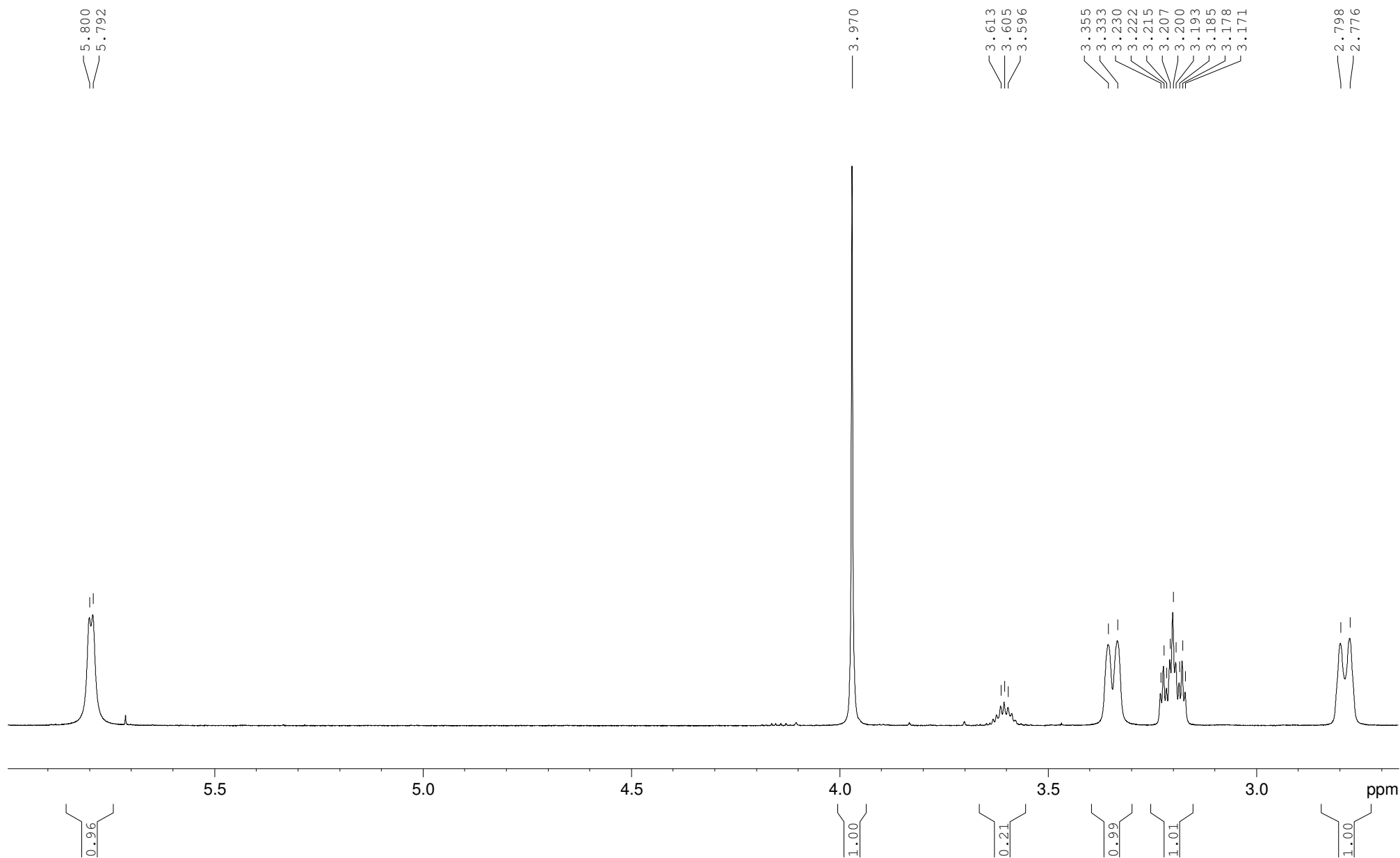
3538-1H
A-amid



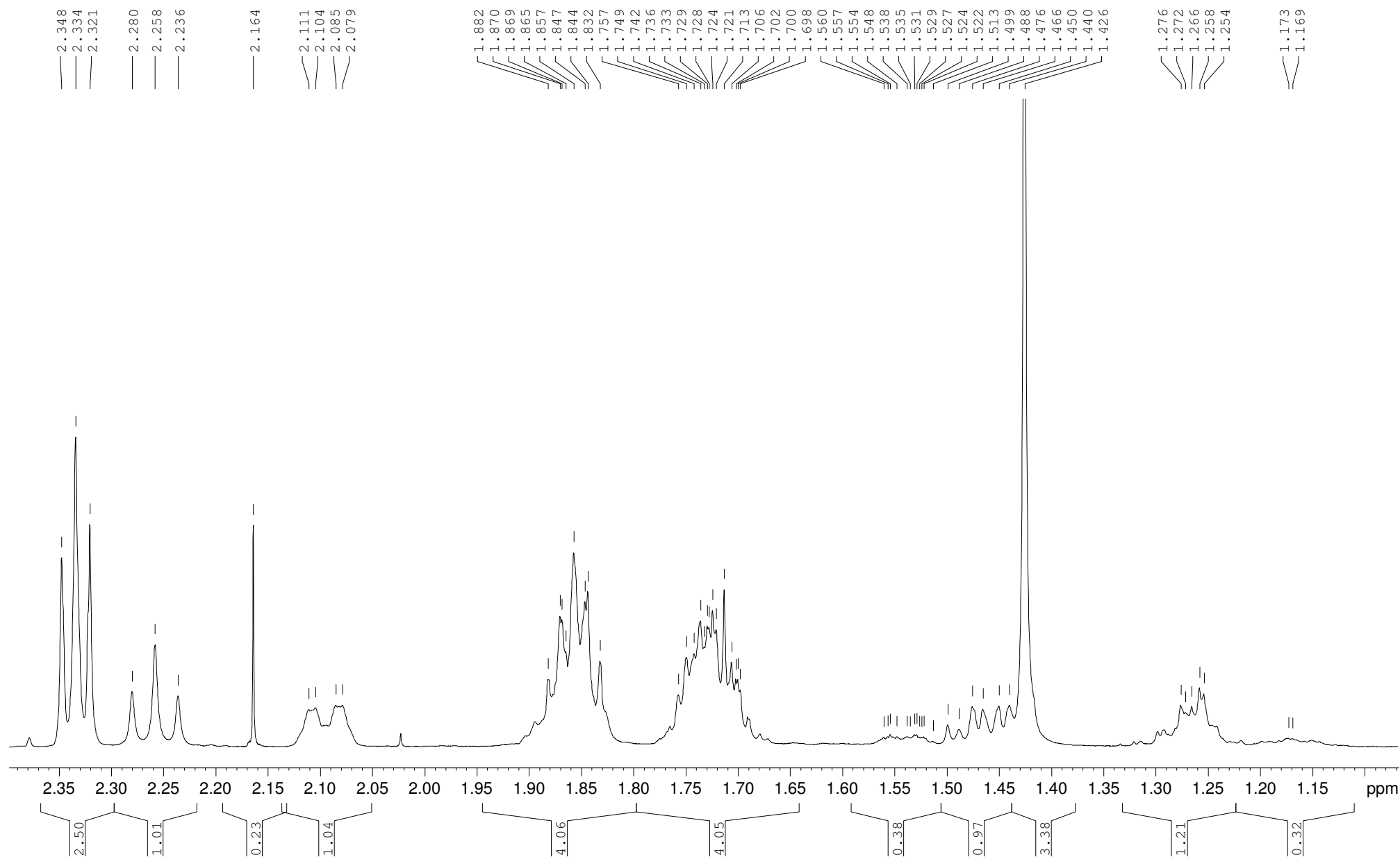
3538-1H
A-amid



3538-1H
A-amid



3538-1H
A-amid



3538-13C
A-amid

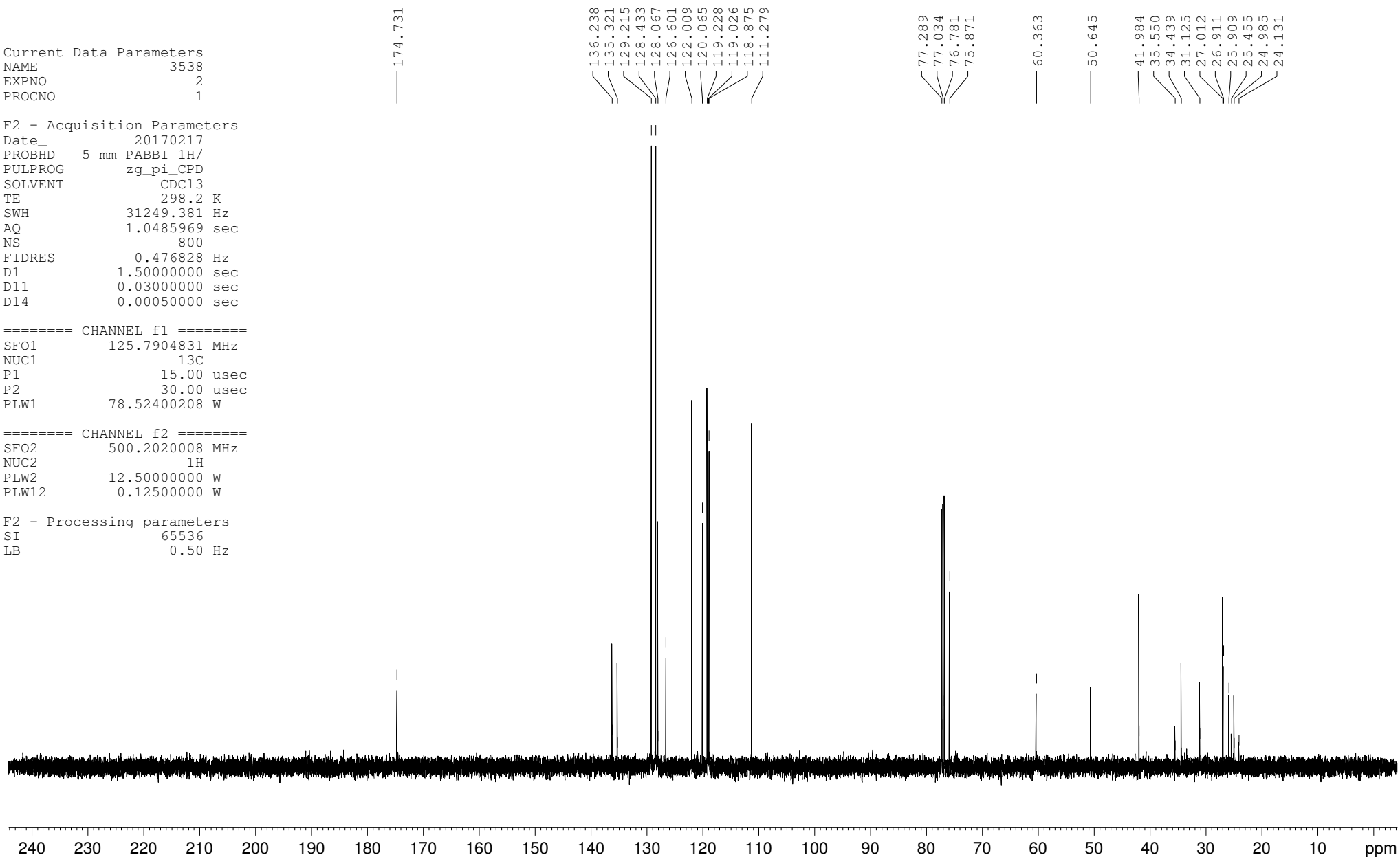
Current Data Parameters
NAME 3538
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG zg_pi_CPD
SOLVENT CDCl3
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 800
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

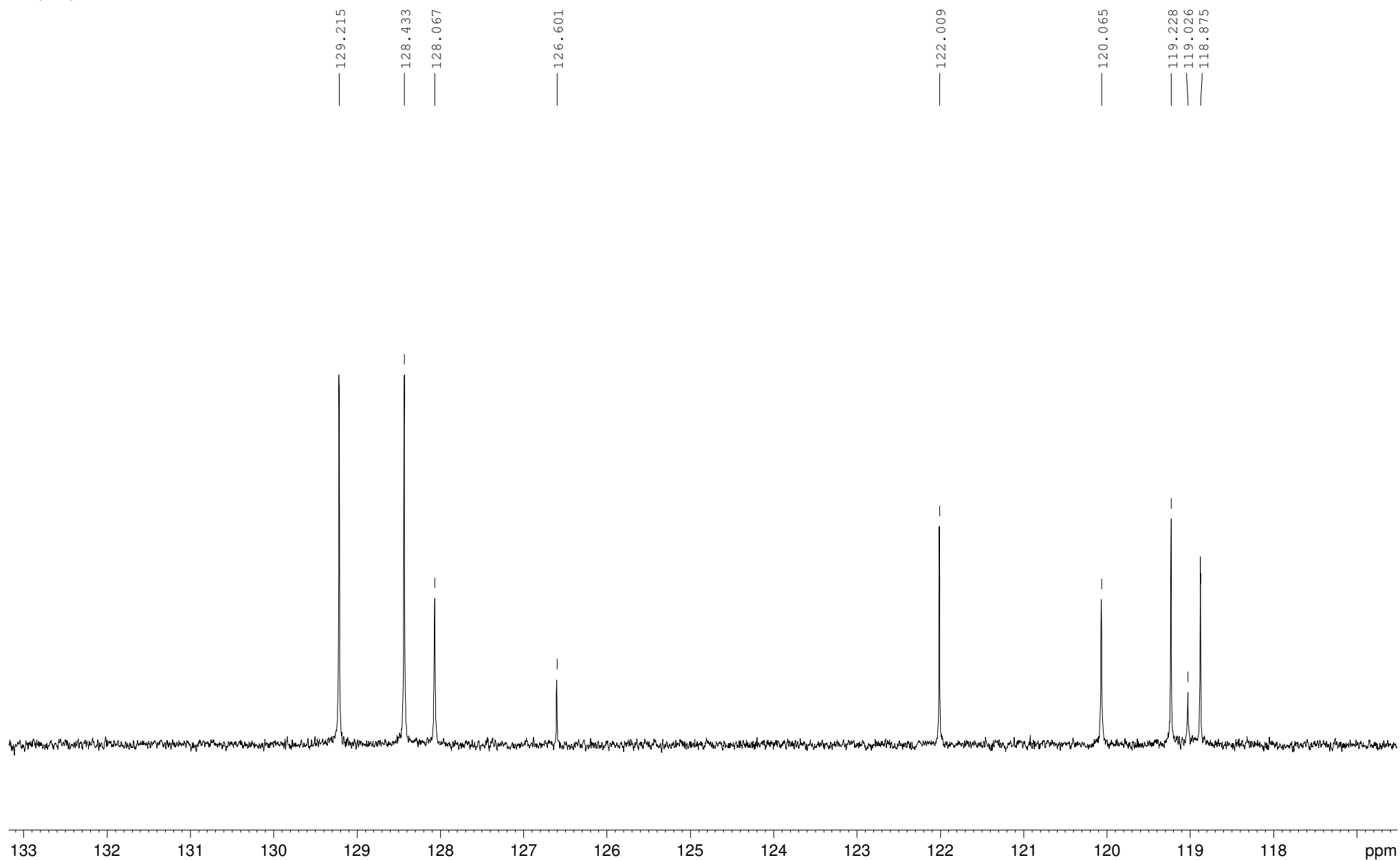
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 15.00 usec
P2 30.00 usec
PLW1 78.52400208 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 12.50000000 W
PLW12 0.12500000 W

F2 - Processing parameters
SI 65536
LB 0.50 Hz



3538-13C
A-amid



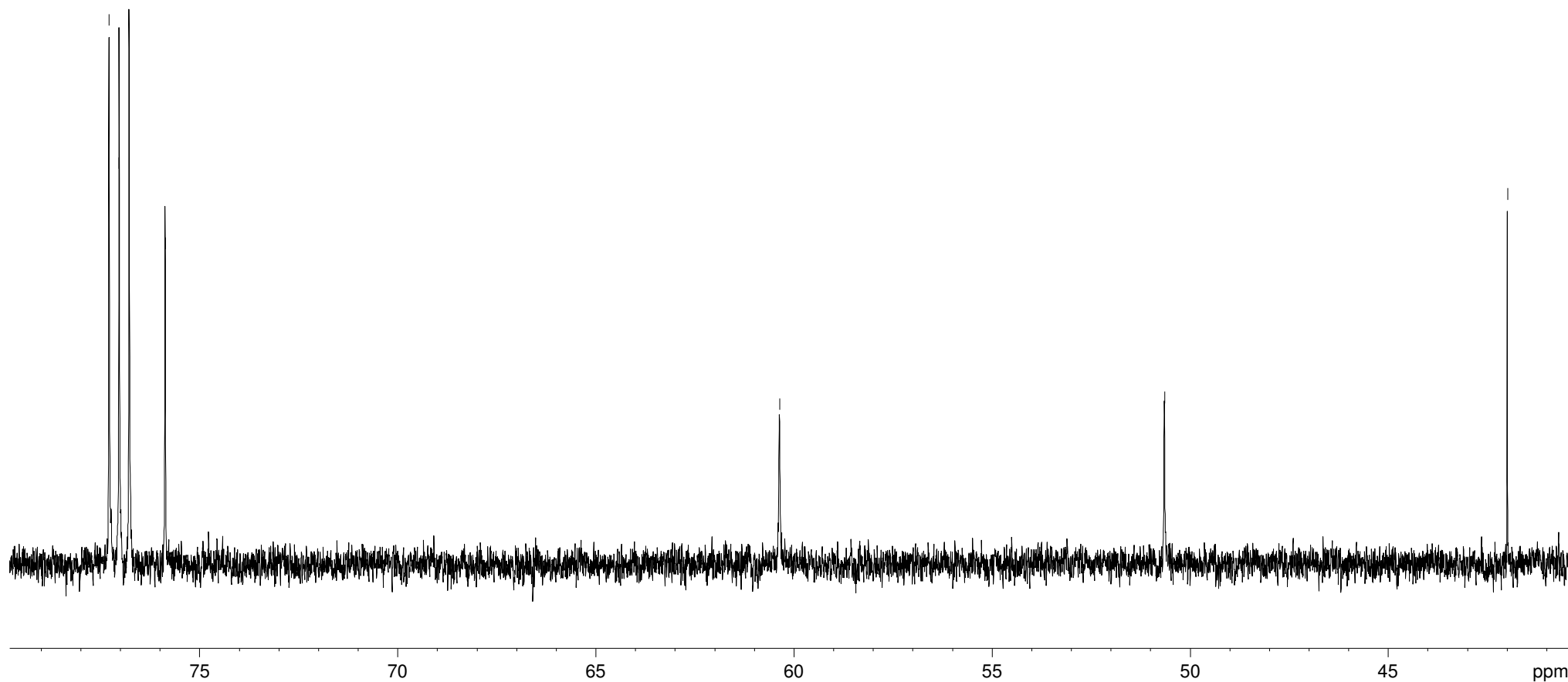
3538-13C
A-amid

77.289
77.034
76.781
75.871

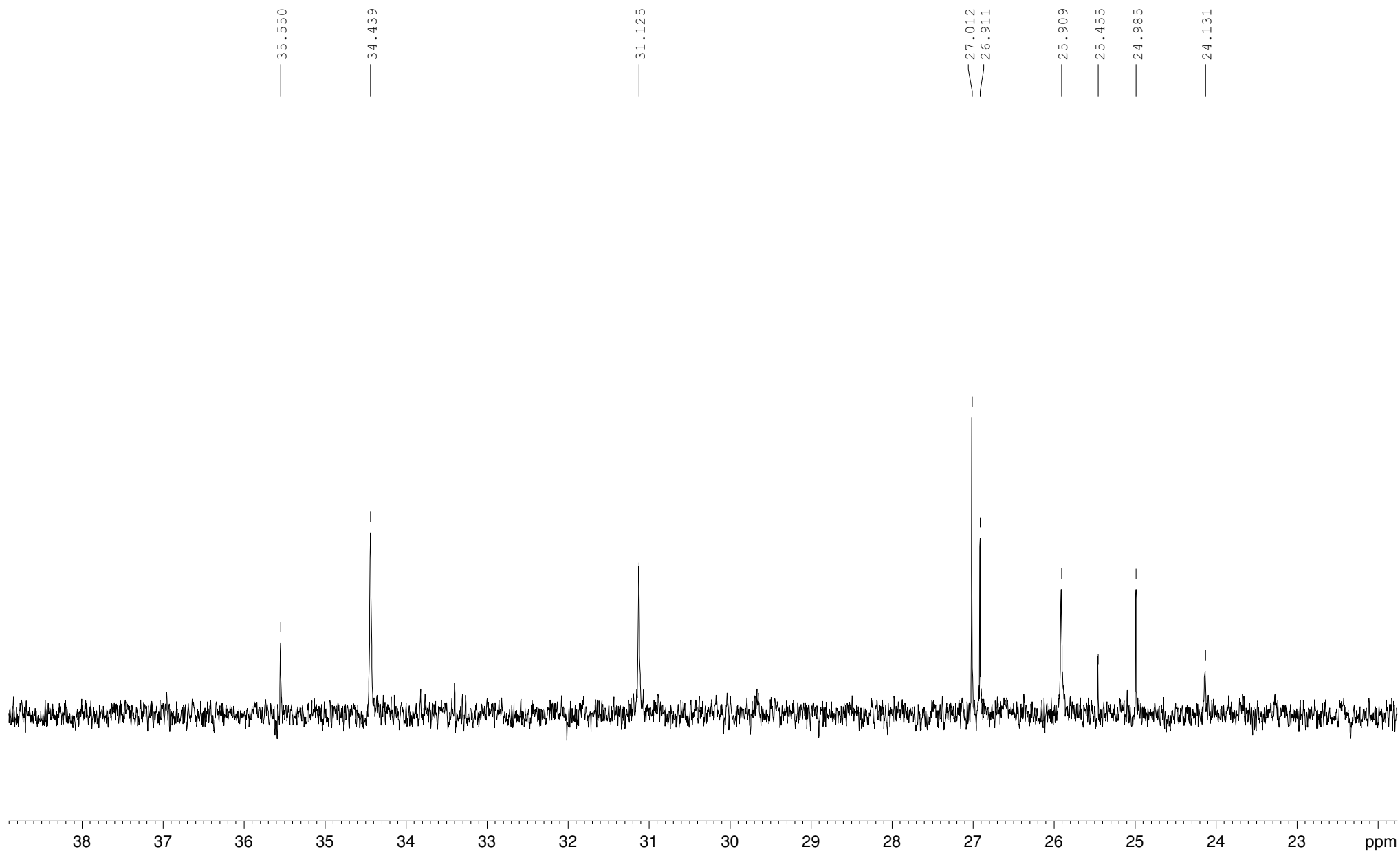
60.363

50.645

41.984



3538-13C
A-amid



3538-COSY
A-amid

Current Data Parameters

NAME 3538
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters

Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG cosygpppqf
SOLVENT CDC13
TE 297.8 K
SWH 5154.639 Hz
AQ 0.1986560 sec
NS 1
FIDRES 2.516914 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec

===== CHANNEL f1 =====

SFO1 500.2022372 MHz
NUC1 1H
P0 8.00 usec
P1 8.00 usec
P17 2500.00 usec
PLW1 12.69999981 W
PLW10 1.20239997 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec

F1 - Acquisition parameters

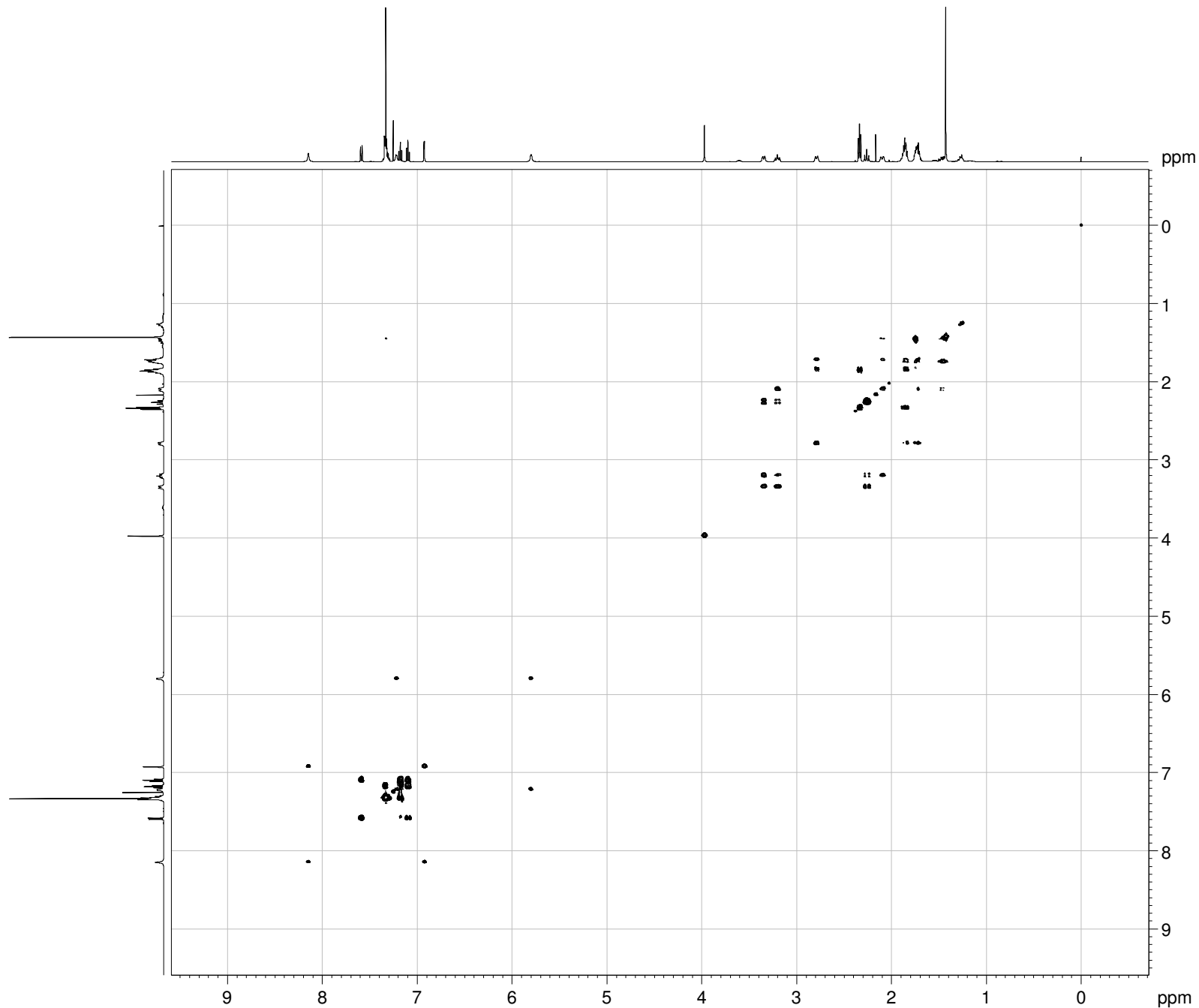
TD 128
SFO1 500.2022 MHz
FIDRES 40.270618 Hz
SW 10.305 ppm
FnMODE QF

F2 - Processing parameters

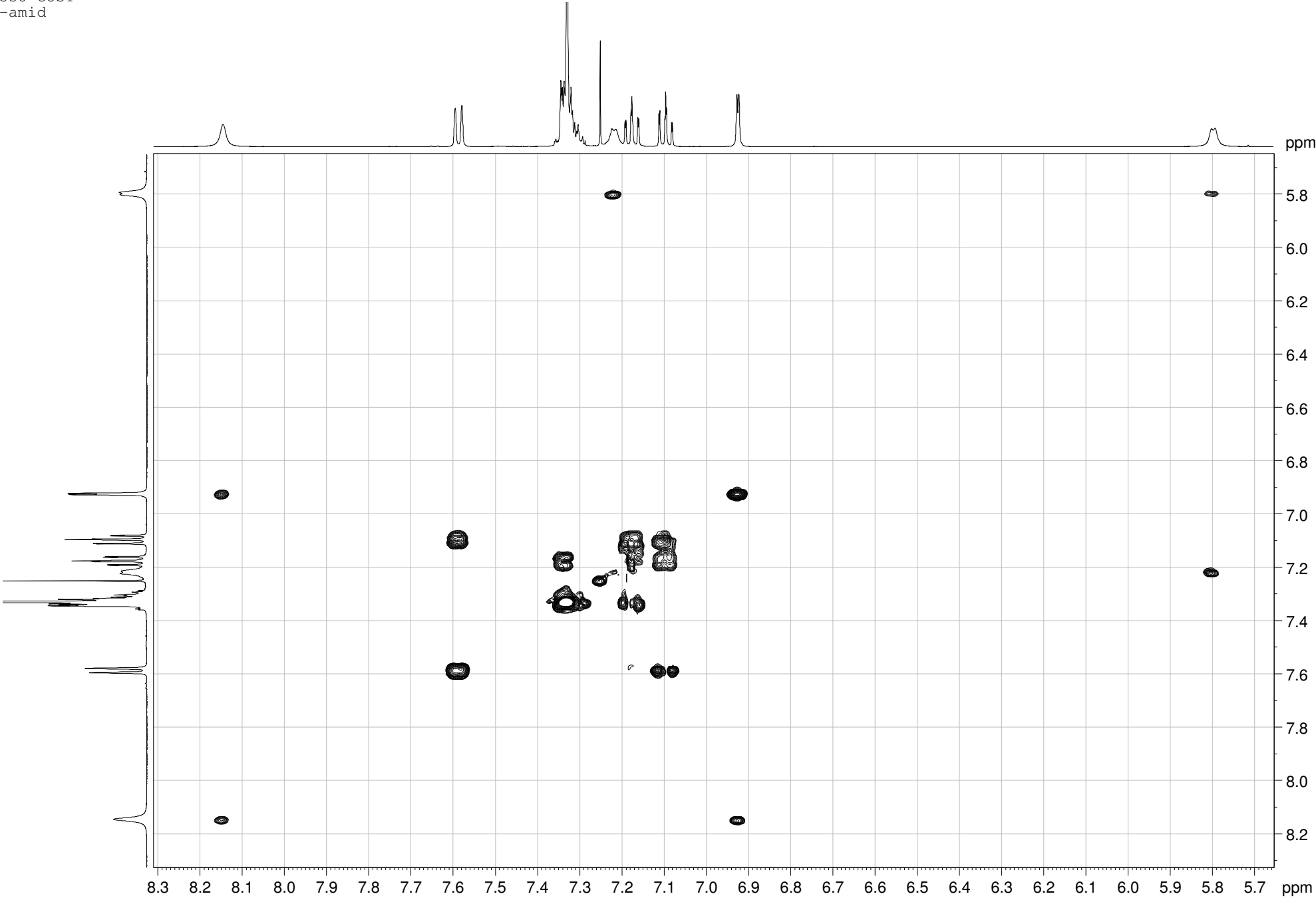
SI 2048
LB 0 Hz

F1 - Processing parameters

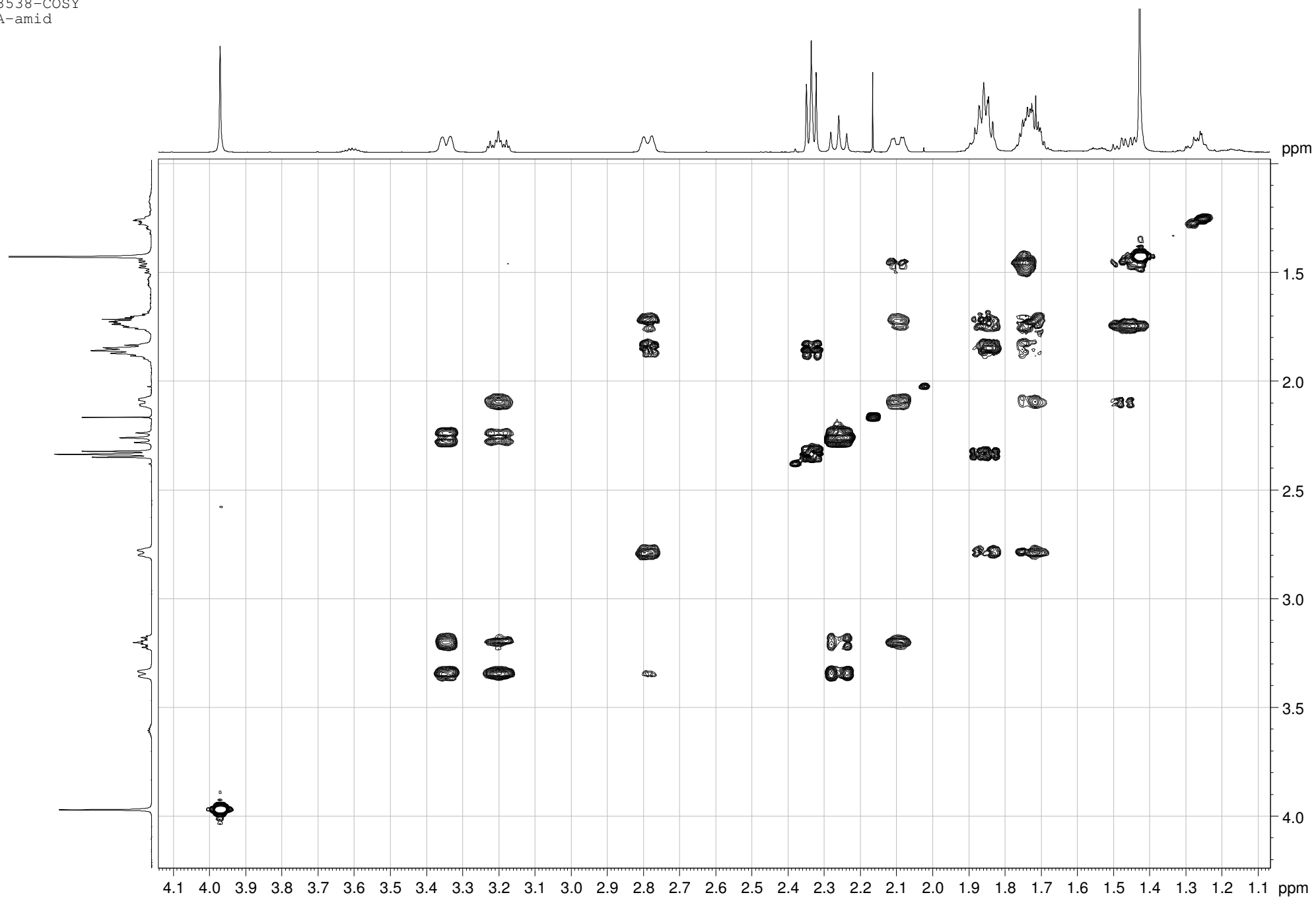
SI 1024
MC2 QF
SF 500.2000171 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0



3538-COSY
A-amid



3538-COSY
A-amid



3538-HSQC
A-amid

Current Data Parameters
NAME 3538
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG hsqcedetgpsisp2.3
SOLVENT CDC13
TE 298.6 K
SWH 5154.639 Hz
AQ 0.1986560 sec
NS 2
FIDRES 2.516914 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

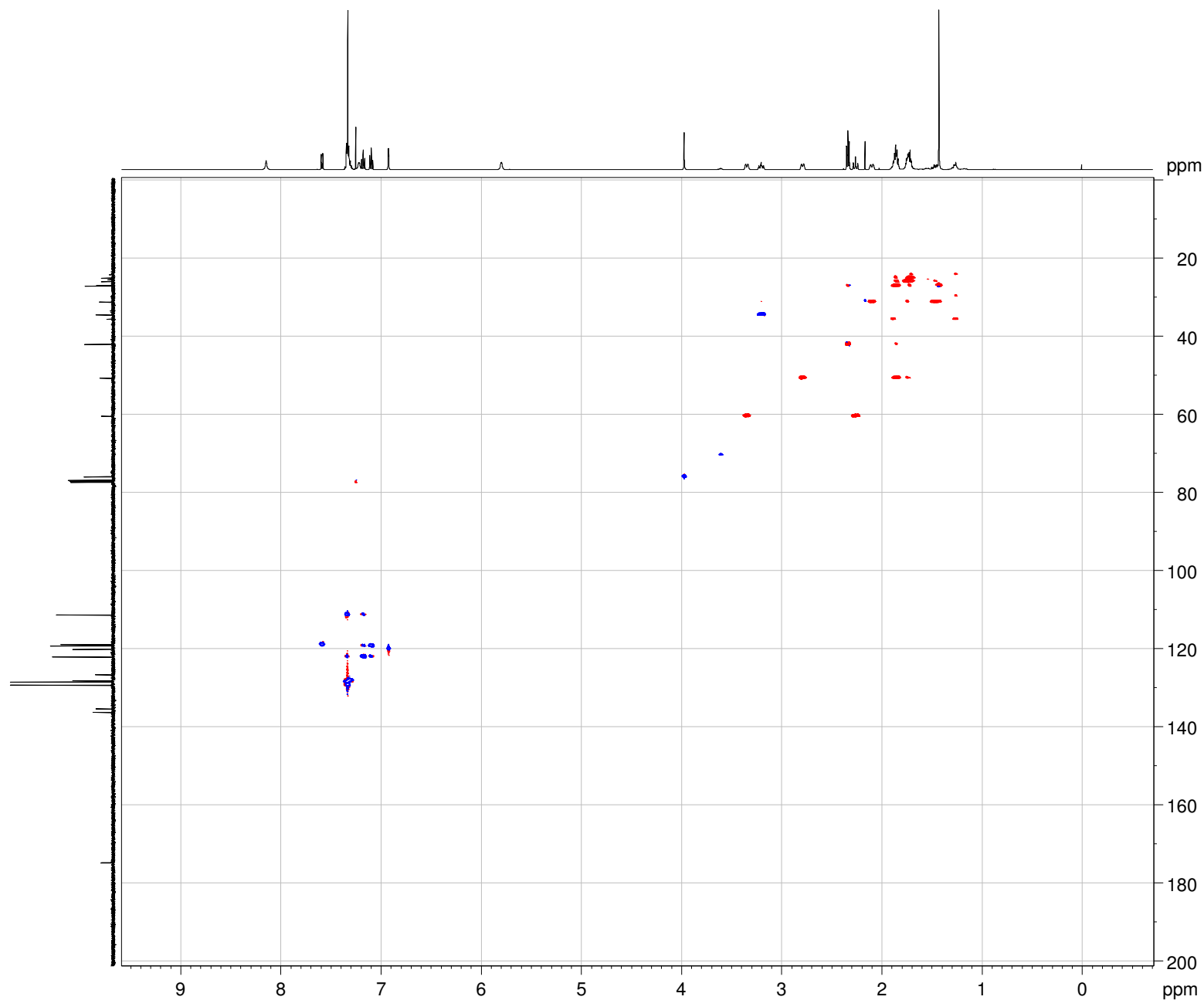
===== CHANNEL f1 =====
SFO1 500.2022372 MHz
NUC1 1H
P1 8.00 usec
P2 16.00 usec
P28 20.00 usec
PLW1 12.69999981 W

===== CHANNEL f2 =====
SFO2 125.7880076 MHz
NUC2 13C
P3 15.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 78.52400208 W
PLW12 3.60570002 W

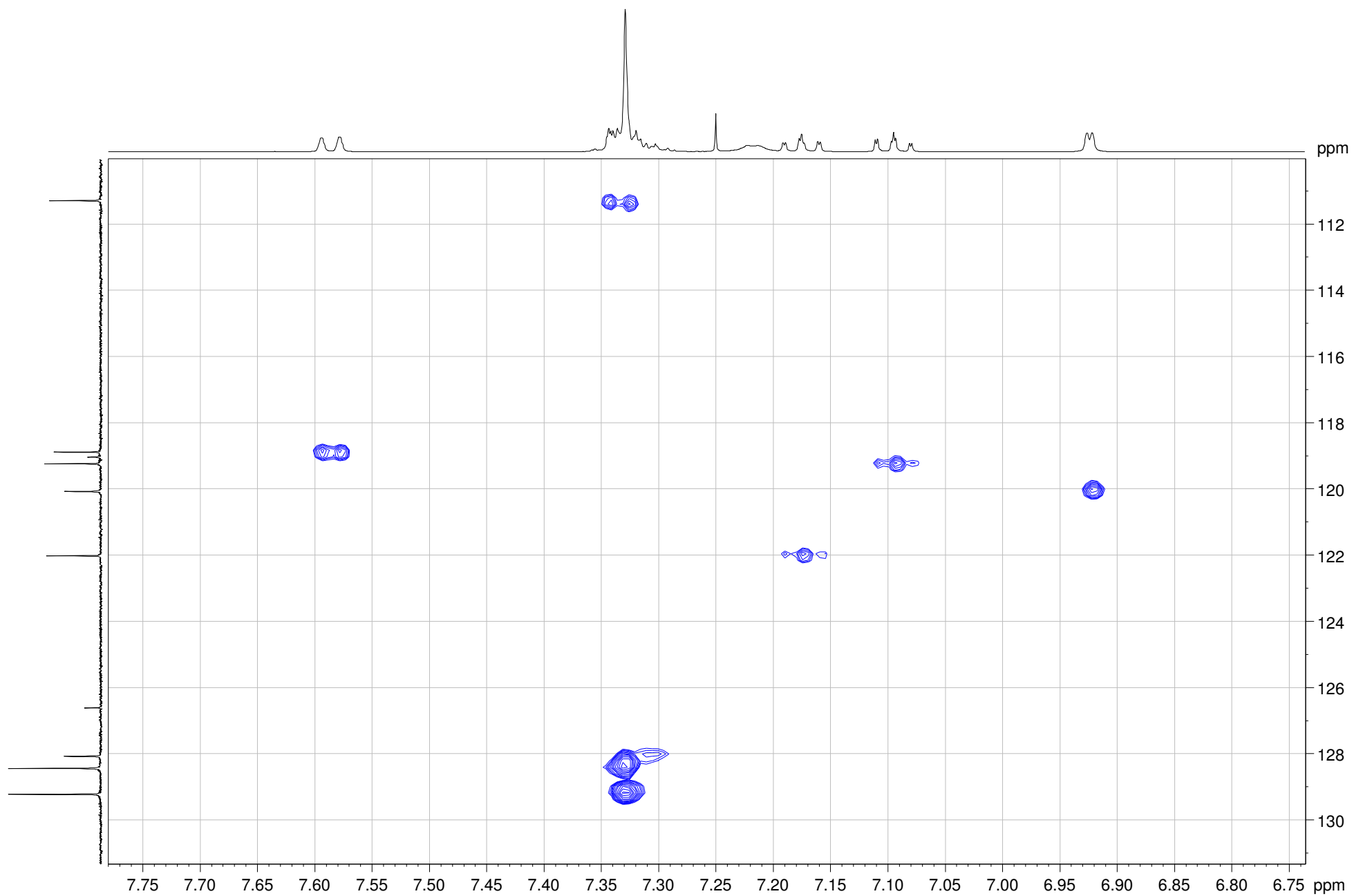
===== GRADIENT CHANNEL =====
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 128
SFO1 125.788 MHz
FIDRES 198.286804 Hz
SW 201.774 ppm
FnMODE Echo-Antiecho

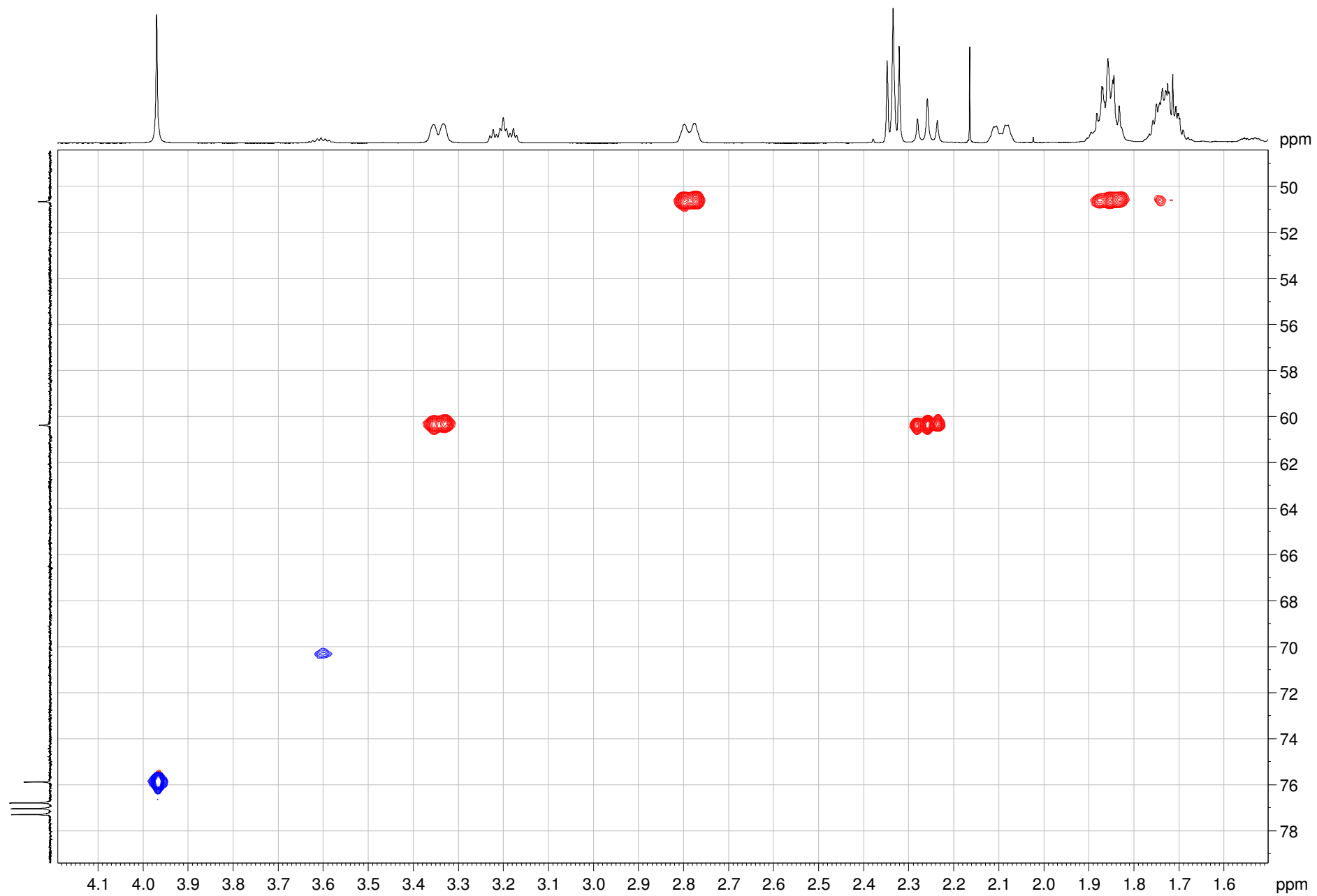
F2 - Processing parameters



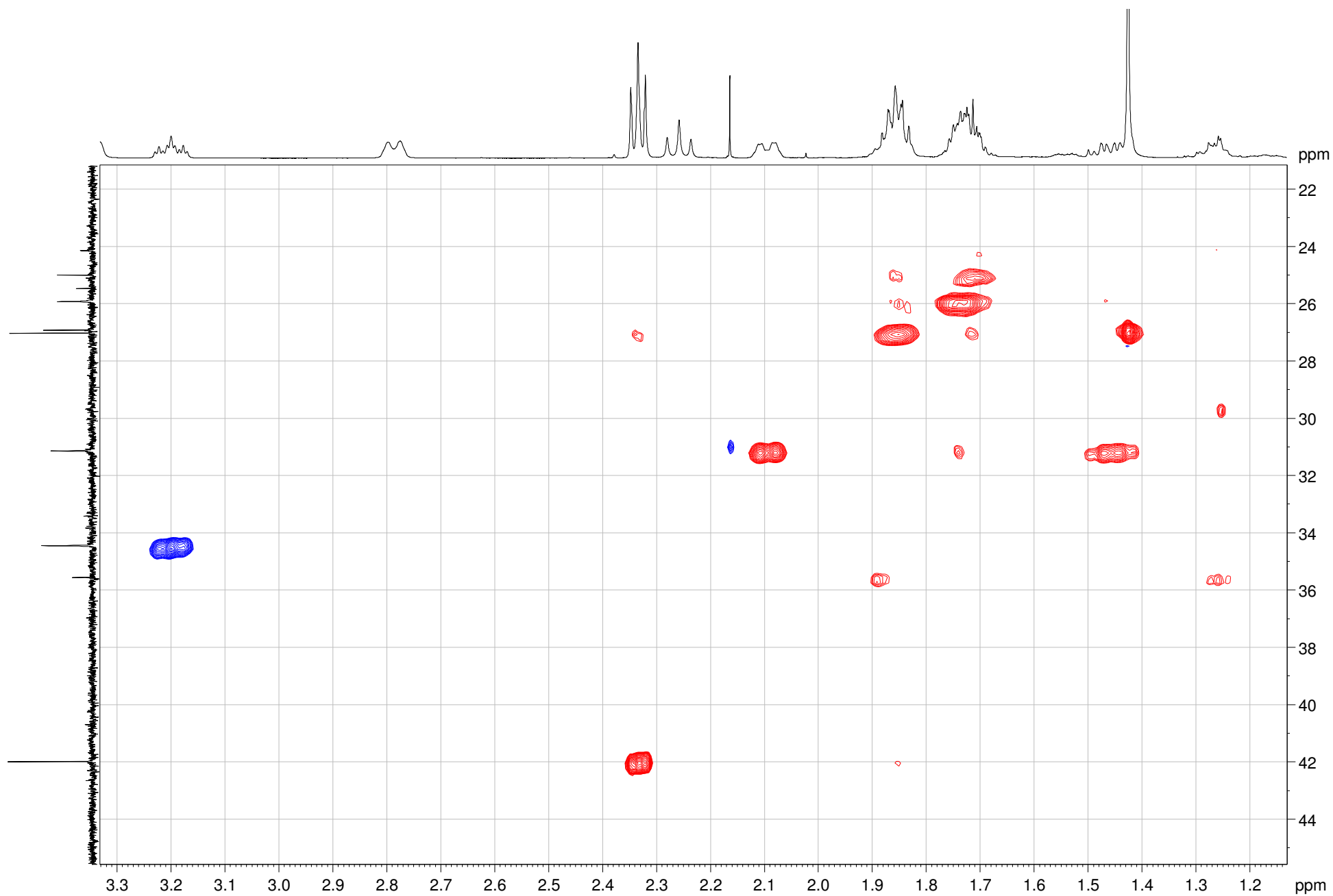
3538-HSQC
A-amid



3538-HSQC
A-amid



3538-HSQC
A-amid



(3S,2R)-5a

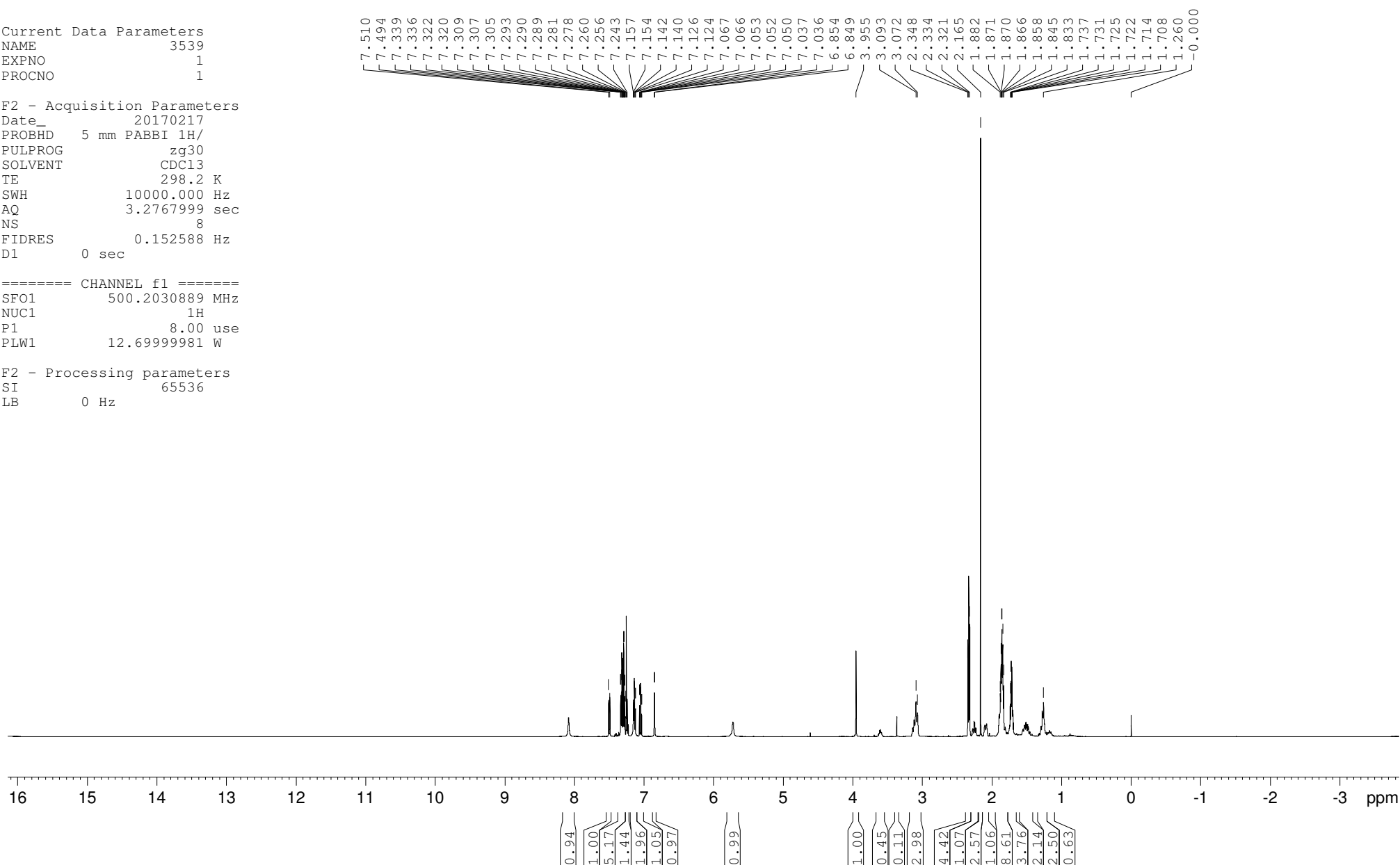
3539-1H
B-amid

Current Data Parameters
NAME 3539
EXPNO 1
PROCNO 1

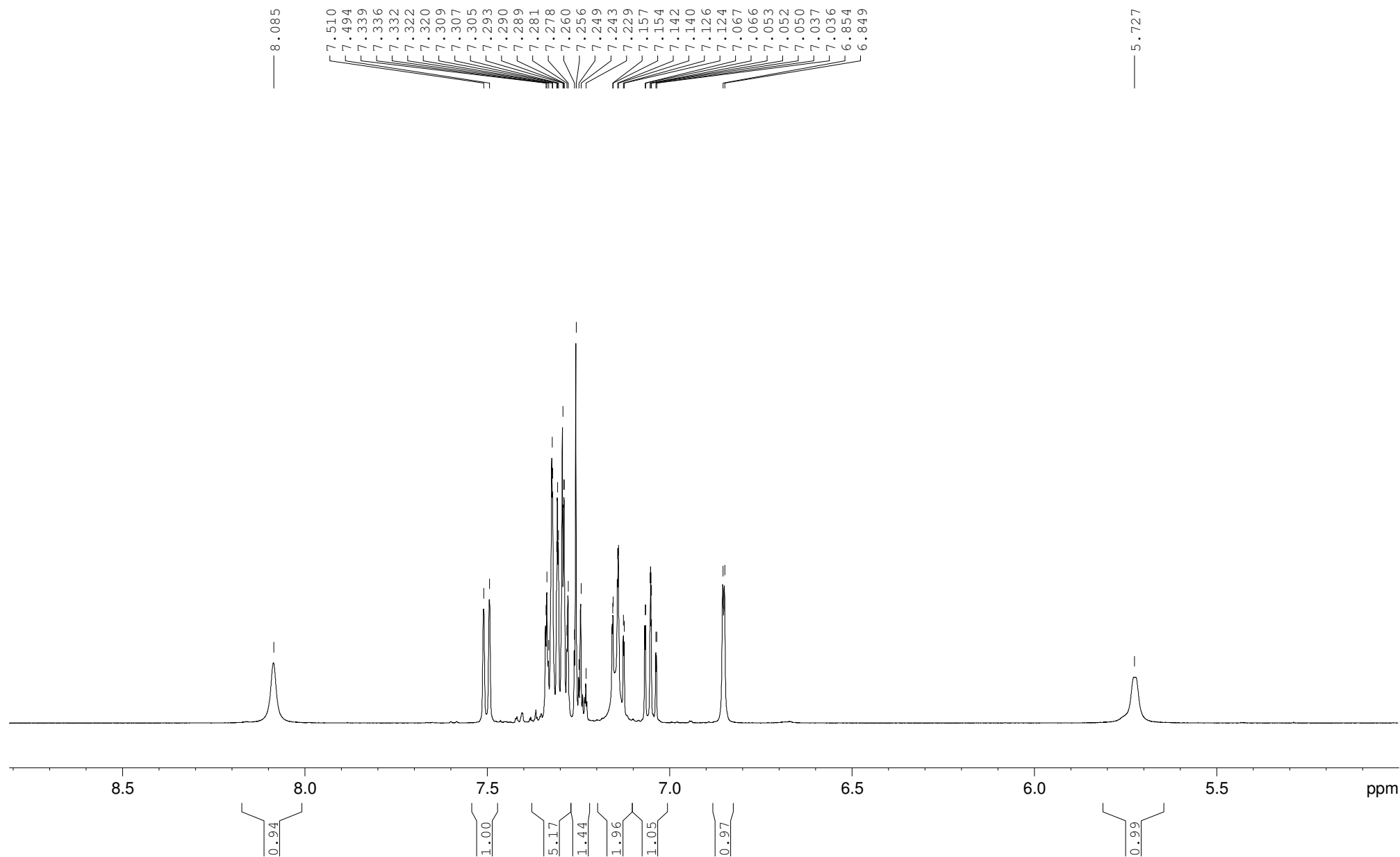
F2 - Acquisition Parameters
Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG zg30
SOLVENT CDCl3
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 8.00 use
PLW1 12.69999981 W

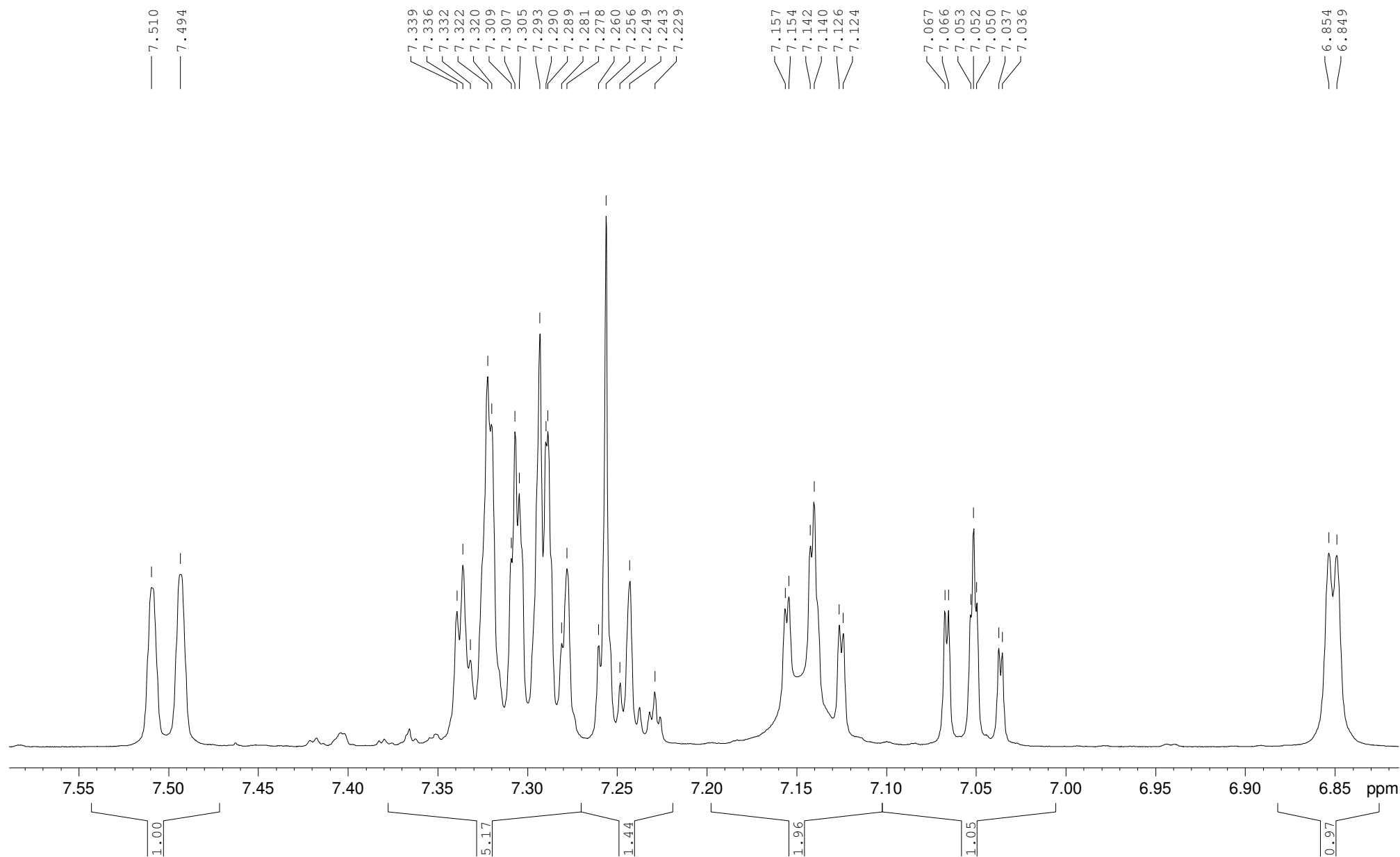
F2 - Processing parameters
SI 65536
LB 0 Hz



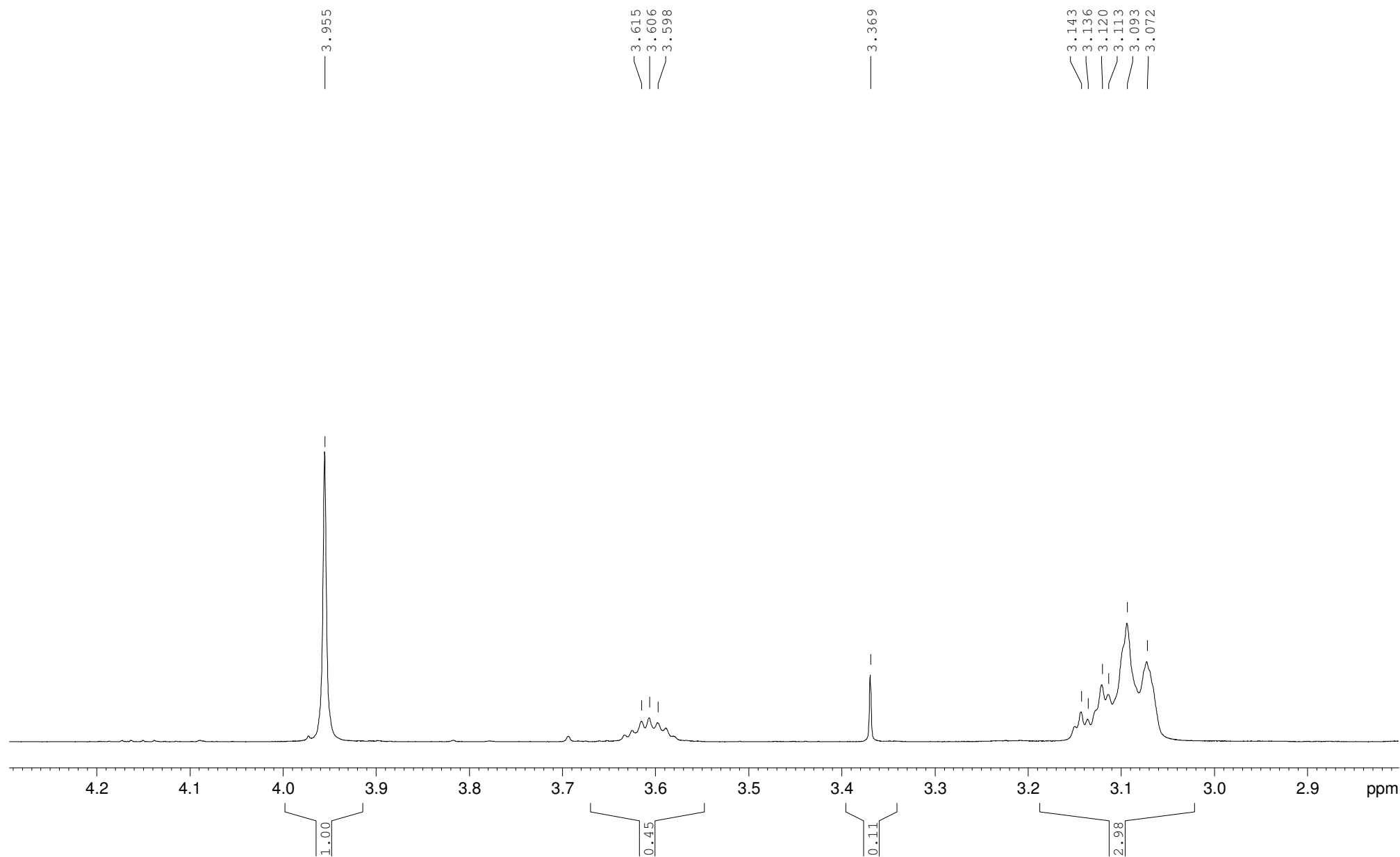
3539-1H
B-amid



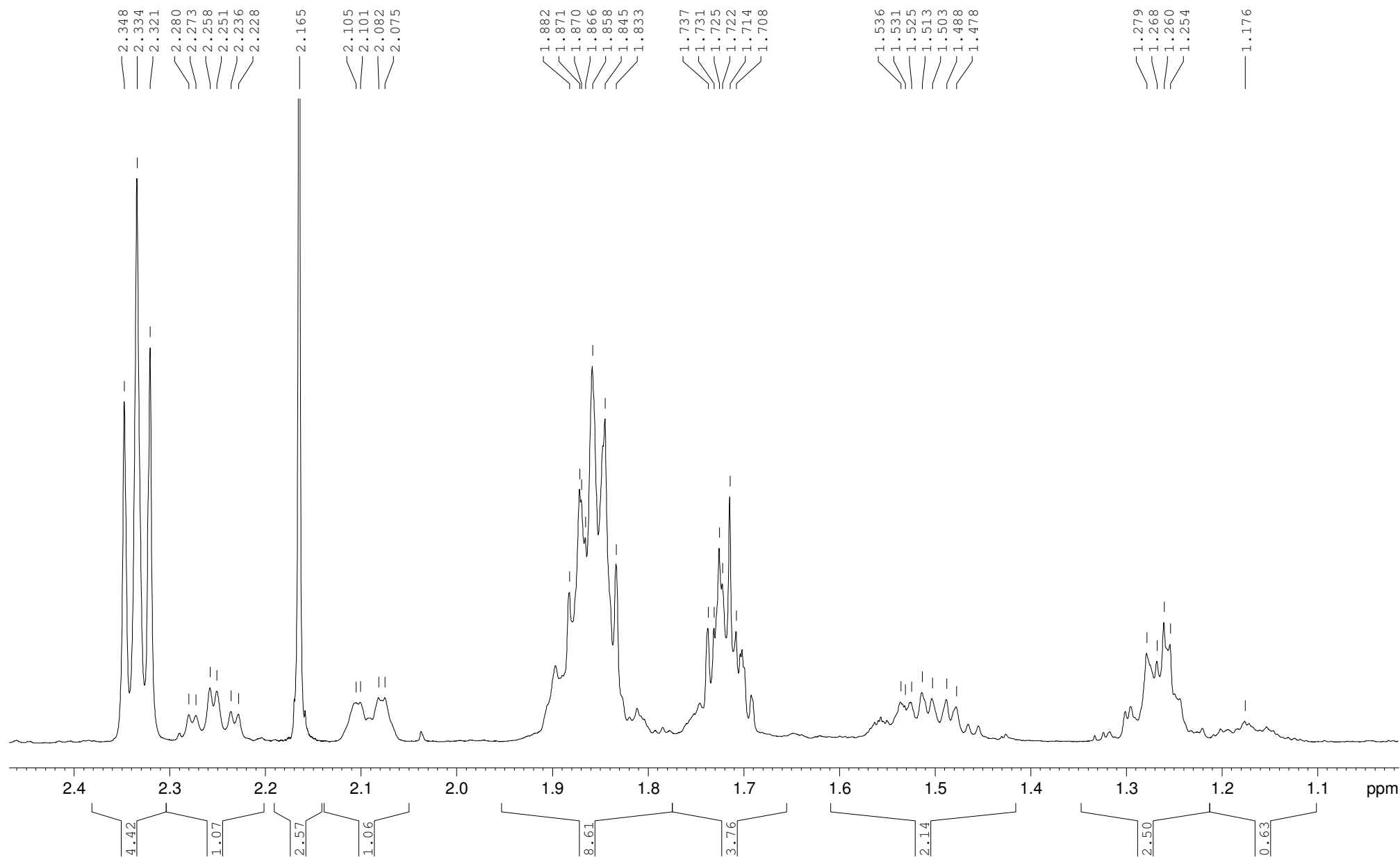
3539-1H
B-amid



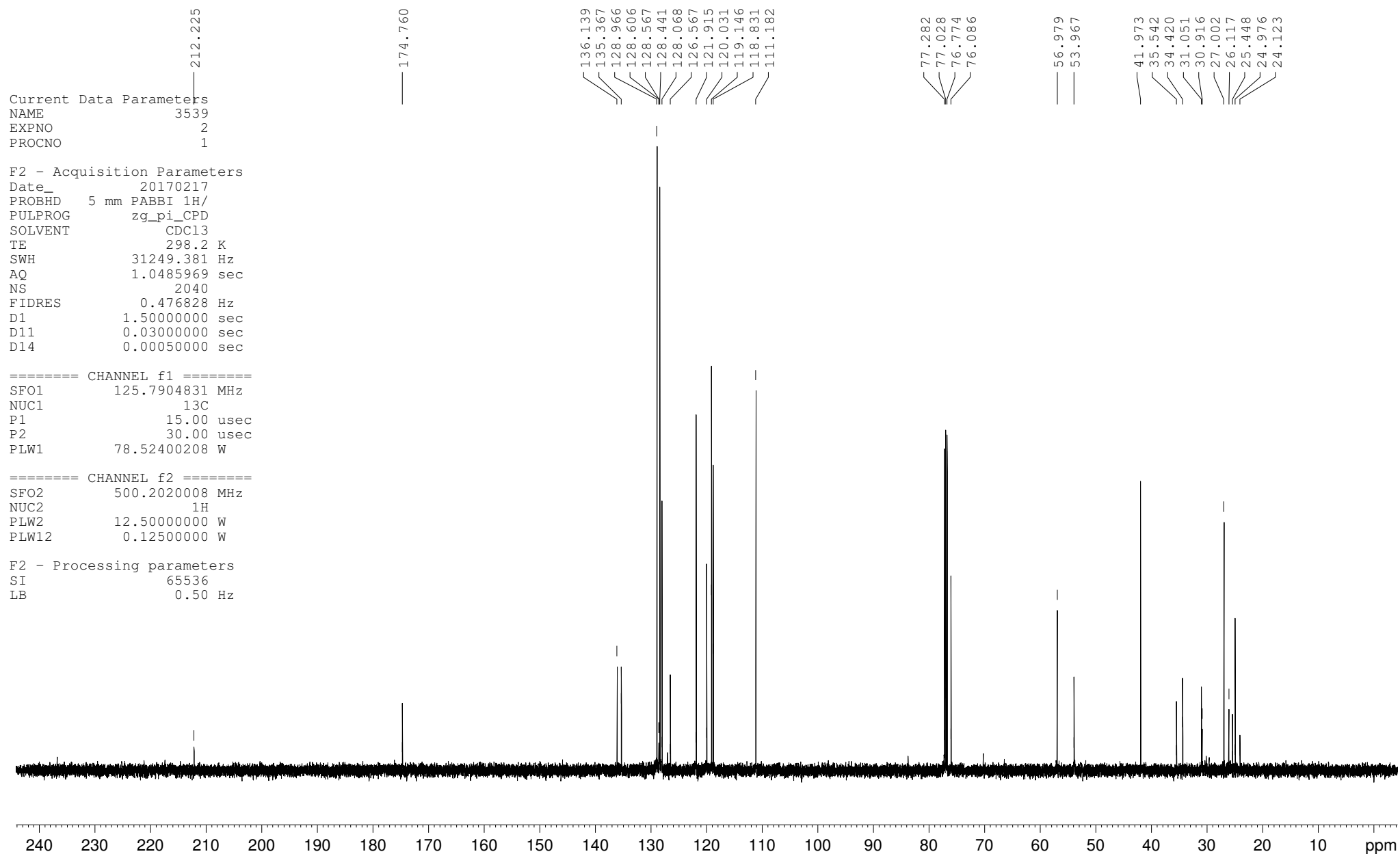
3539-1H
B-amid



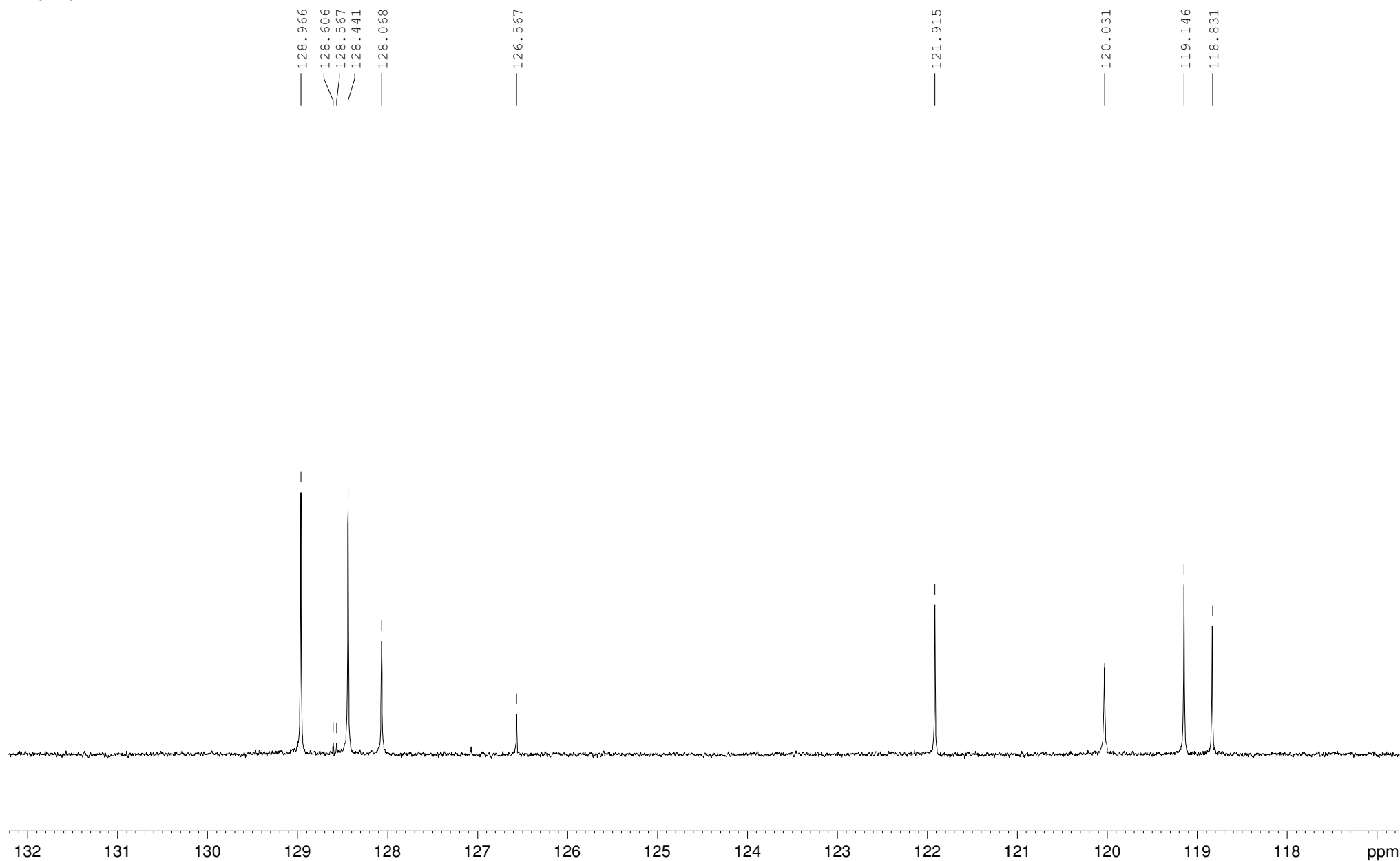
3539-1H
B-amid



3539-13C
B-amid



3539-13C
B-amid

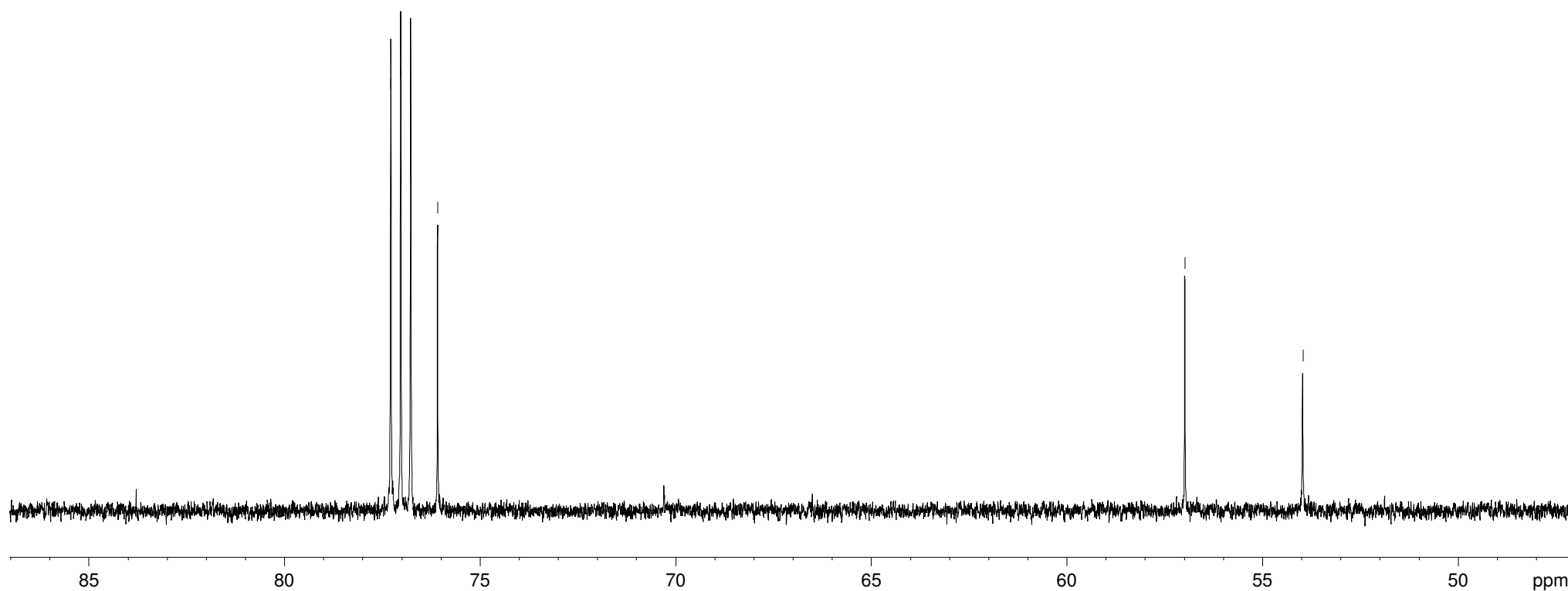


3539-13C
B-amid

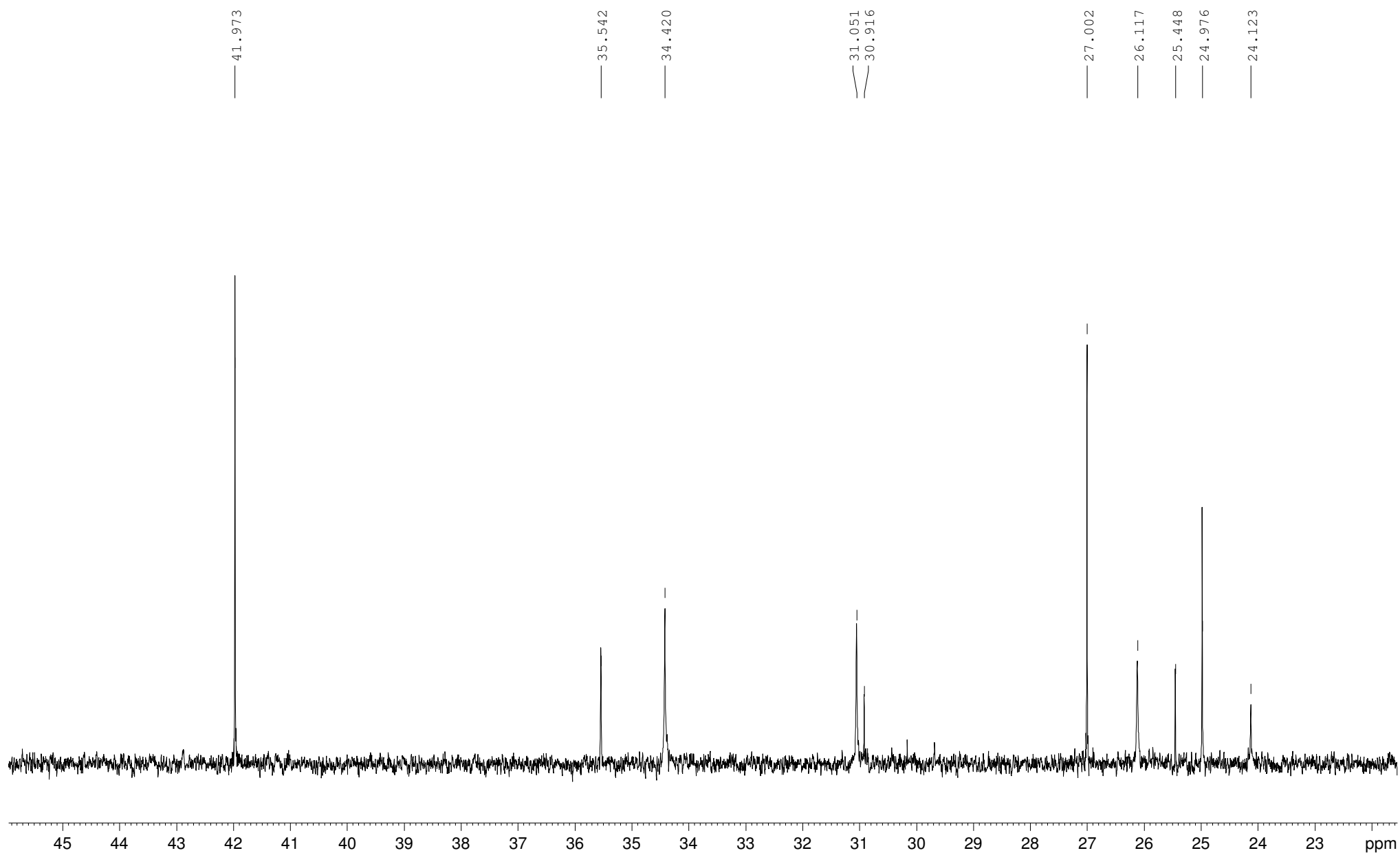
77.282
77.028
76.774
76.086

56.979

53.967



3539-13C
B-amid



3539-COSY
B-amid

Current Data Parameters

NAME 3539
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters

Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG cosygpppqf
SOLVENT CDC13
TE 298.1 K
SWH 5151.099 Hz
AQ 0.1987925 sec
NS 1
FIDRES 2.515185 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec

===== CHANNEL f1 =====

SFO1 500.2022151 MHz
NUC1 1H
P0 8.00 usec
P1 8.00 usec
P17 2500.00 usec
PLW1 12.69999981 W
PLW10 1.20239997 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec

F1 - Acquisition parameters

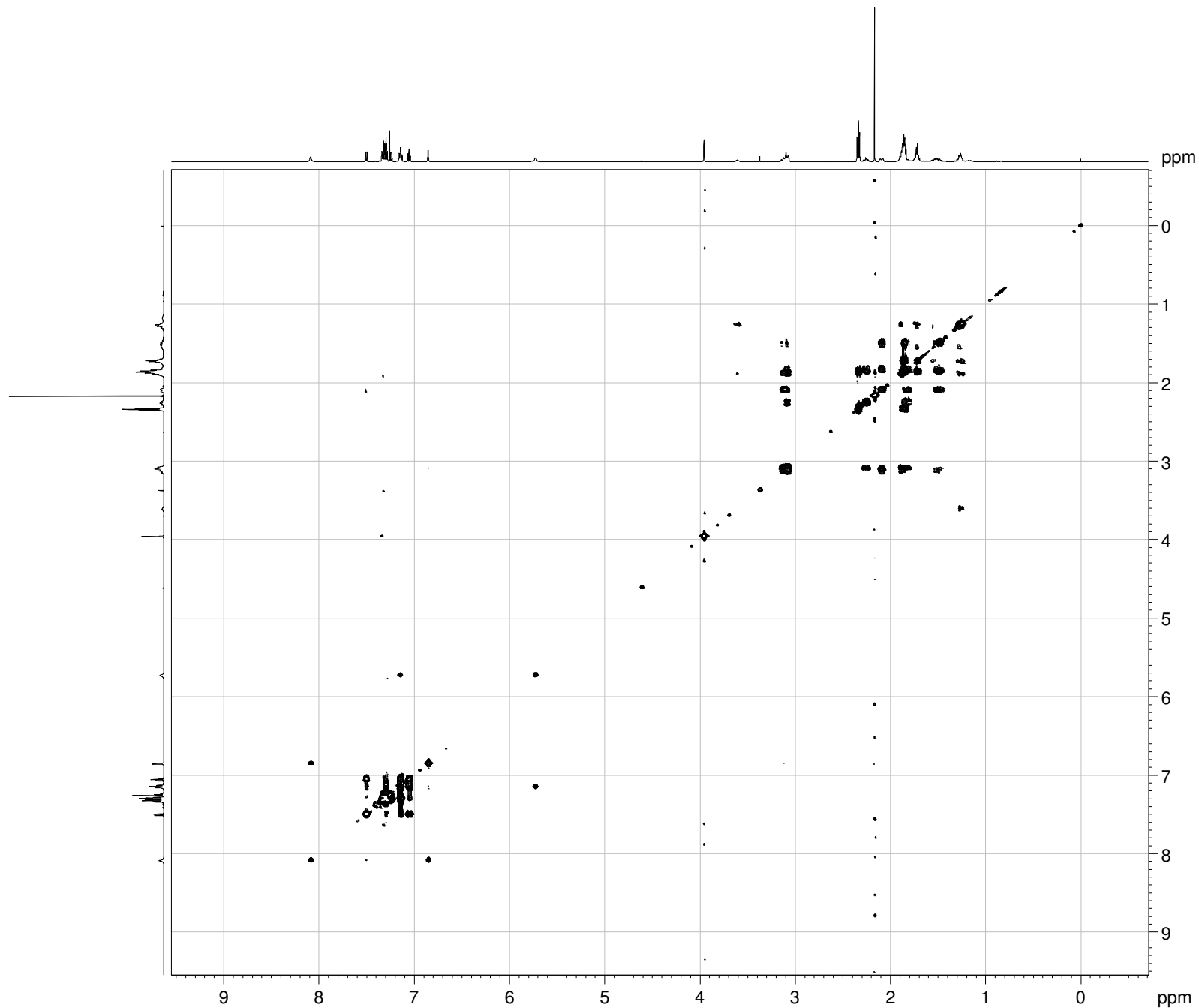
TD 128
SFO1 500.2022 MHz
FIDRES 40.229145 Hz
SW 10.294 ppm
FnMODE QF

F2 - Processing parameters

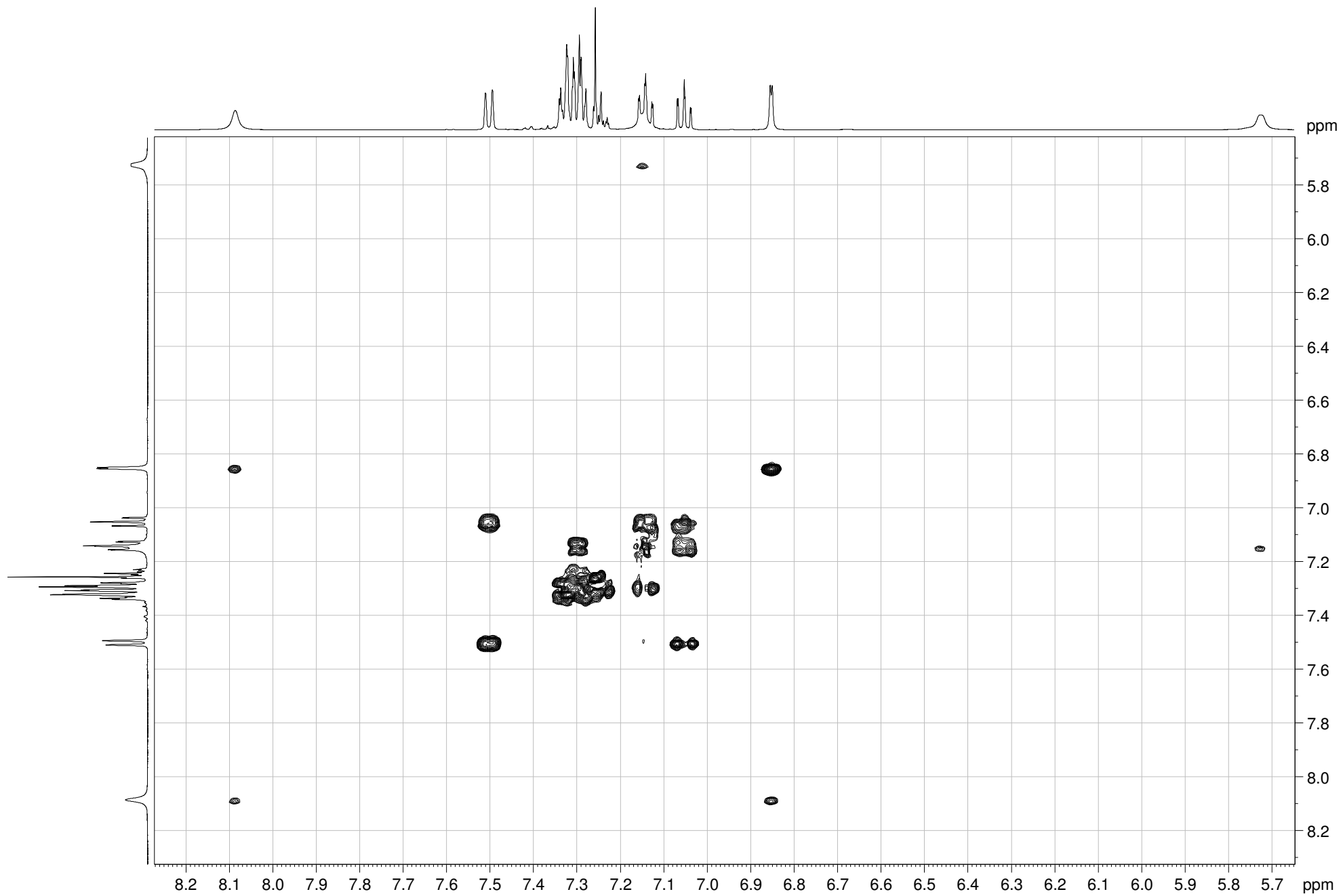
SI 2048
LB 0 Hz

F1 - Processing parameters

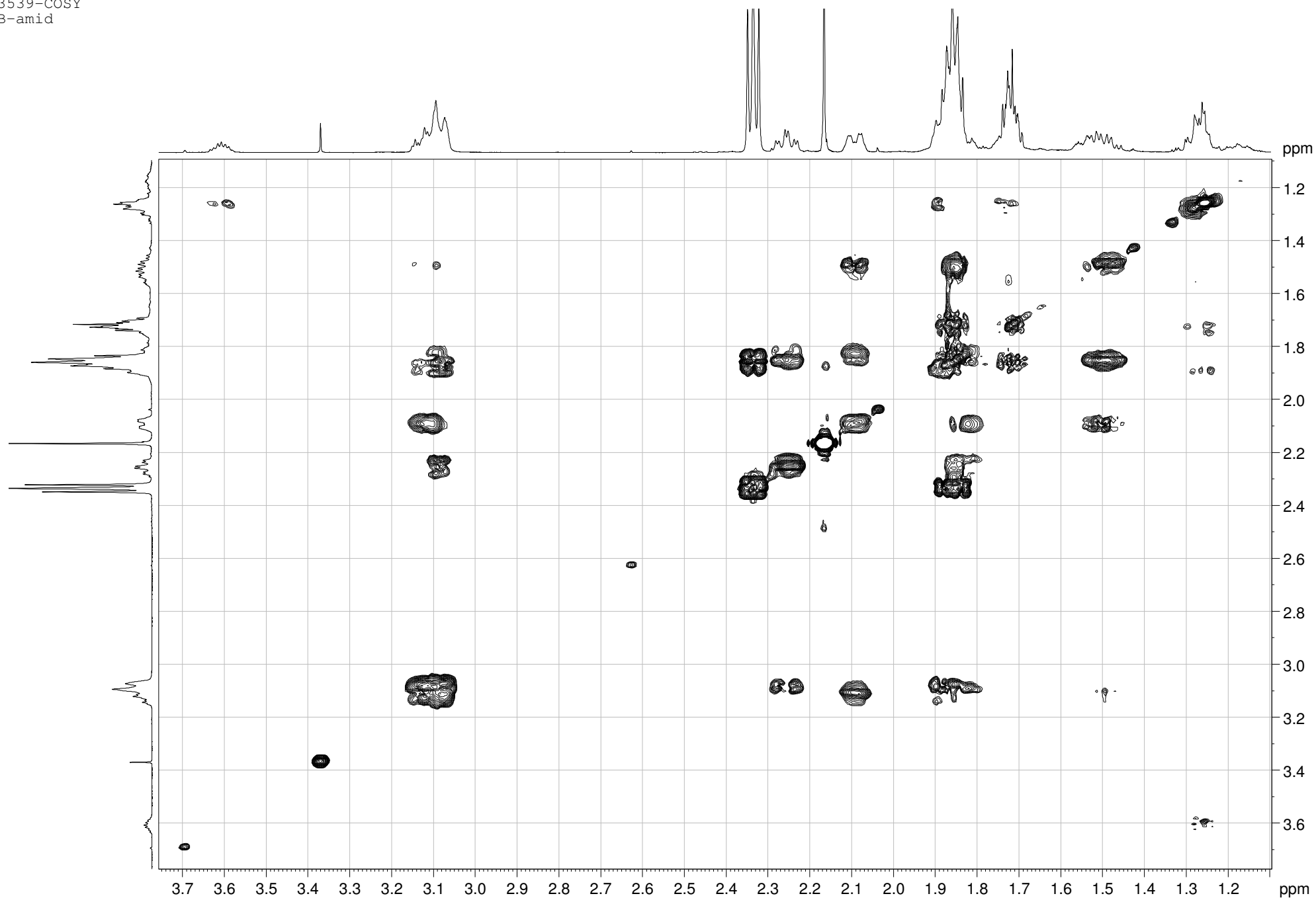
SI 1024
MC2 QF
SF 500.2000140 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0



3539-COSY
B-amid



3539-COSY
B-amid



3539-HSQC
B-amid

Current Data Parameters
NAME 3539
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170217
PROBHD 5 mm PABBI 1H/
PULPROG hsqcedetgpsisp2.3
SOLVENT CDCl3
TE 298.6 K
SWH 5151.099 Hz
AQ 0.1987925 sec
NS 2
FIDRES 2.515185 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

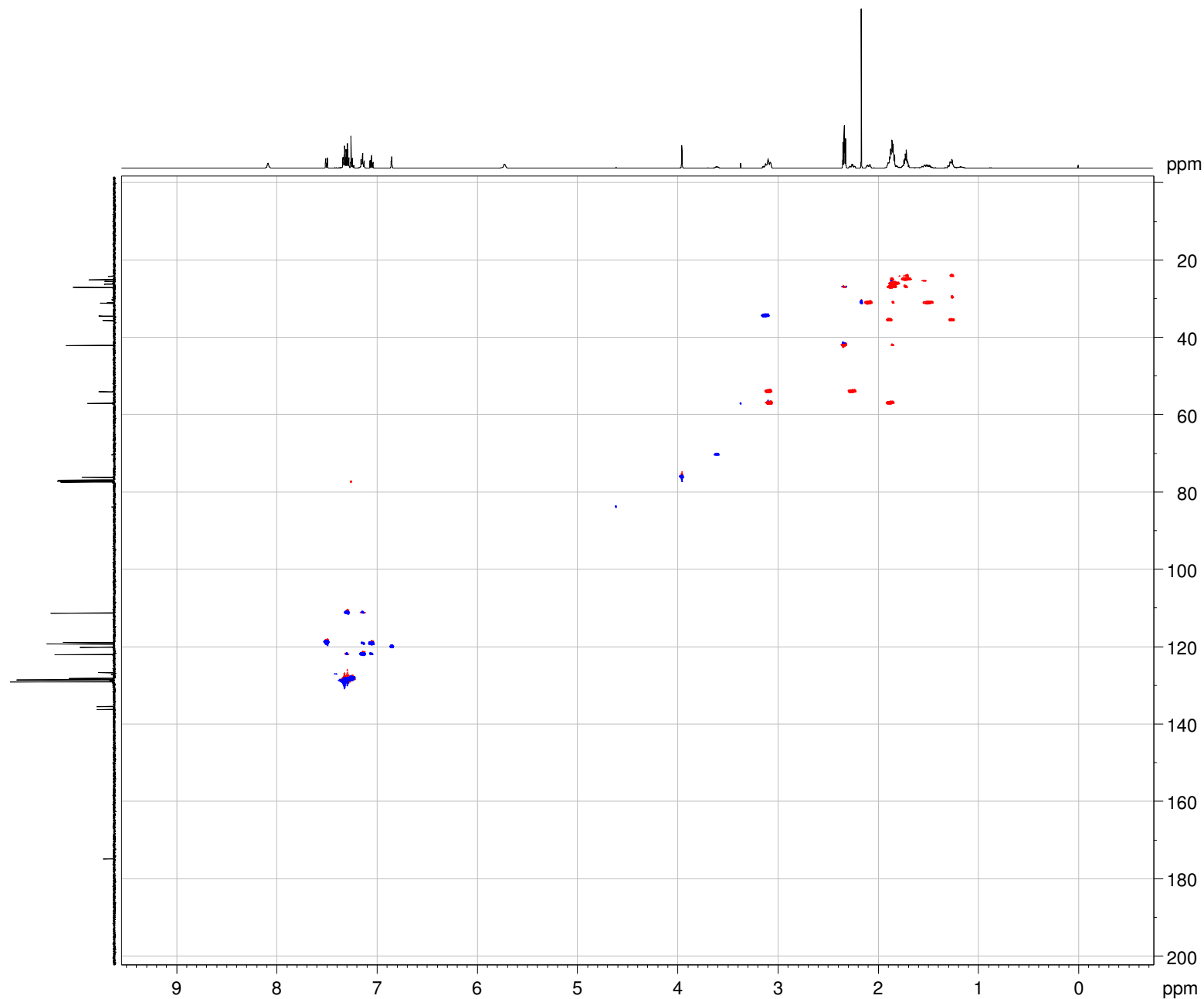
===== CHANNEL f1 =====
SFO1 500.2022151 MHz
NUC1 1H
P1 8.00 usec
P2 16.00 usec
P28 20.00 usec
PLW1 12.6999981 W

===== CHANNEL f2 =====
SFO2 125.7880080 MHz
NUC2 13C
P3 15.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 78.52400208 W
PLW12 3.60570002 W

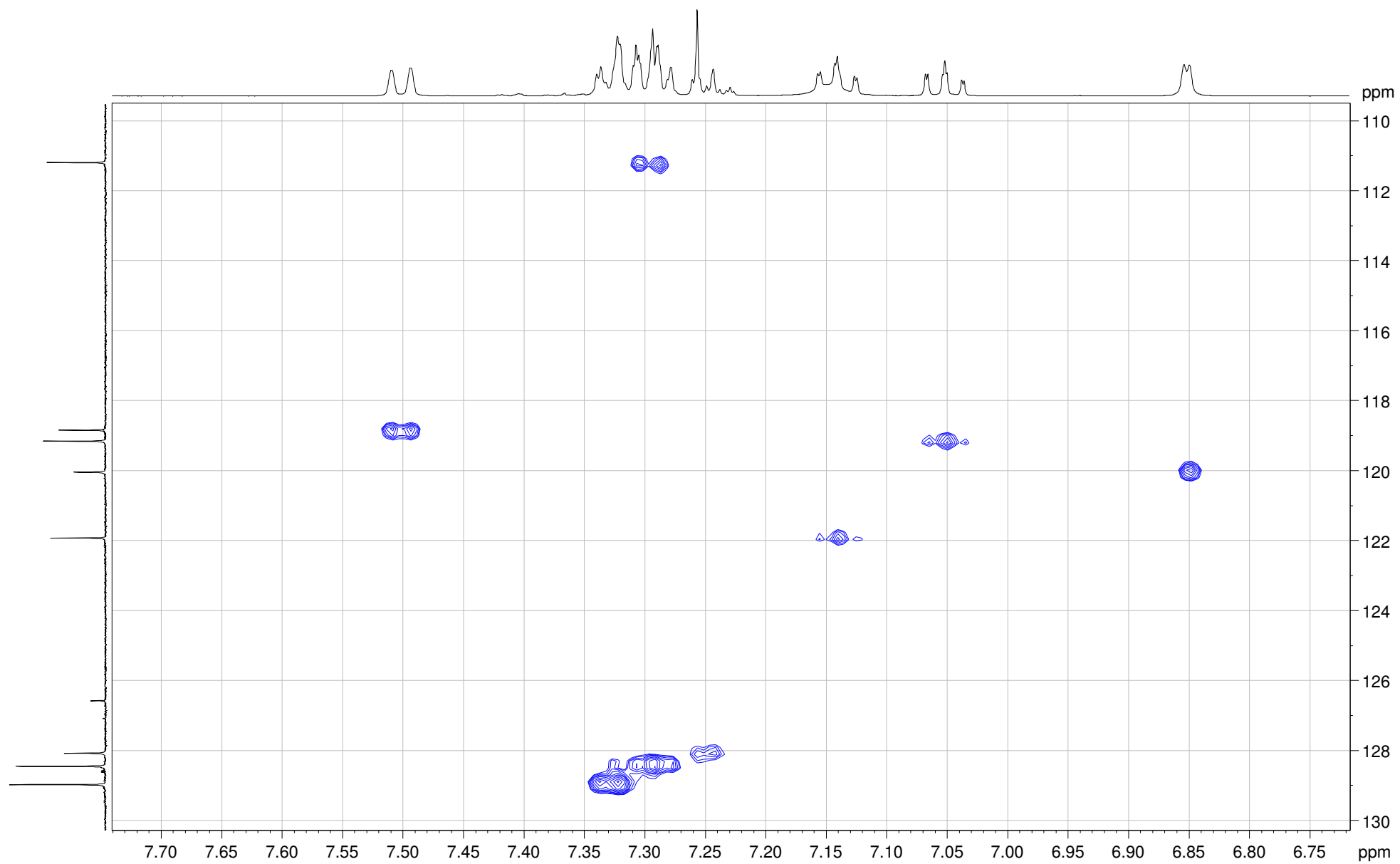
===== GRADIENT CHANNEL =====
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 128
SFO1 125.788 MHz
FIDRES 200.320511 Hz
SW 203.843 ppm
FnMODE Echo-Antiecho

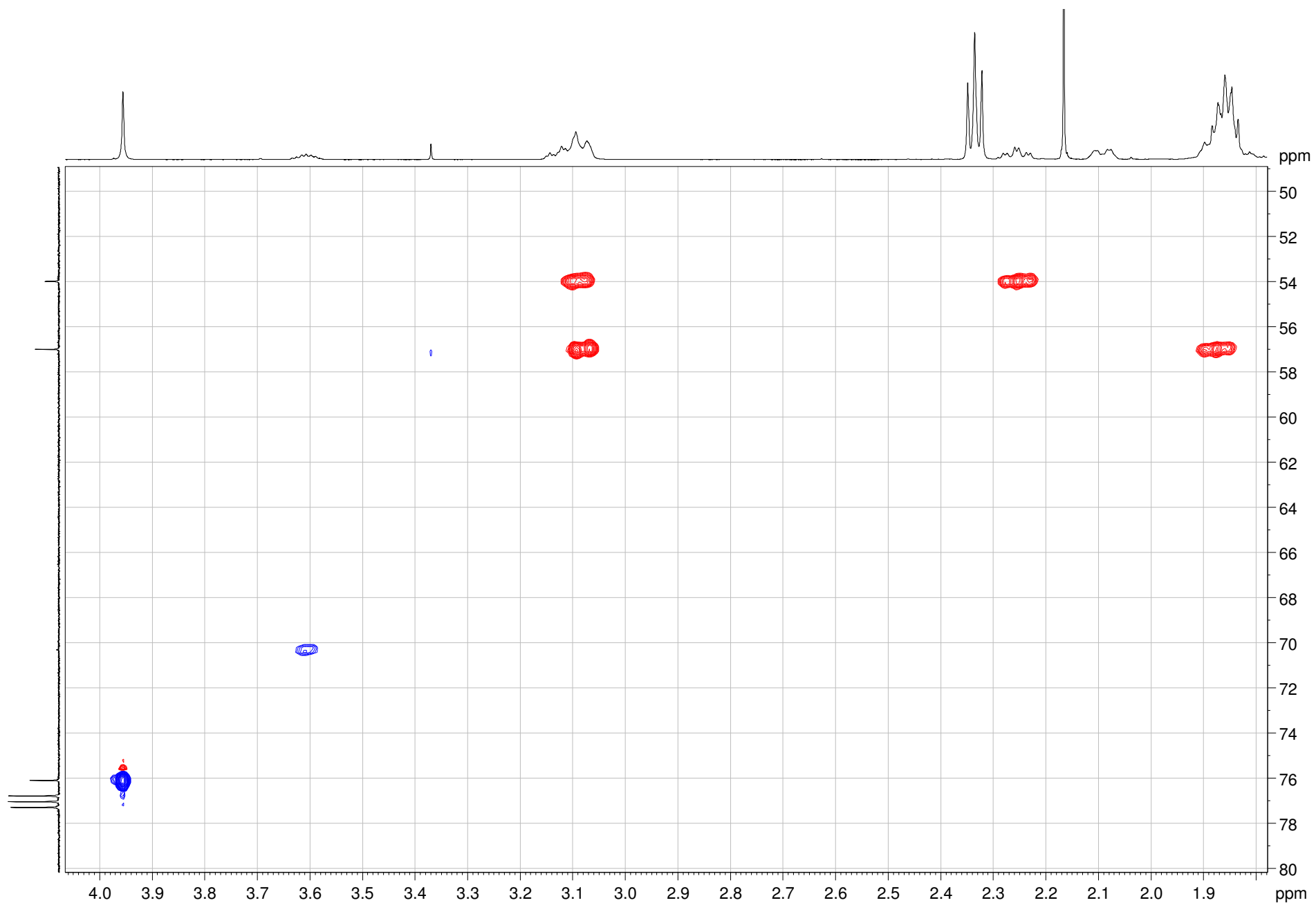
F2 - Processing parameters



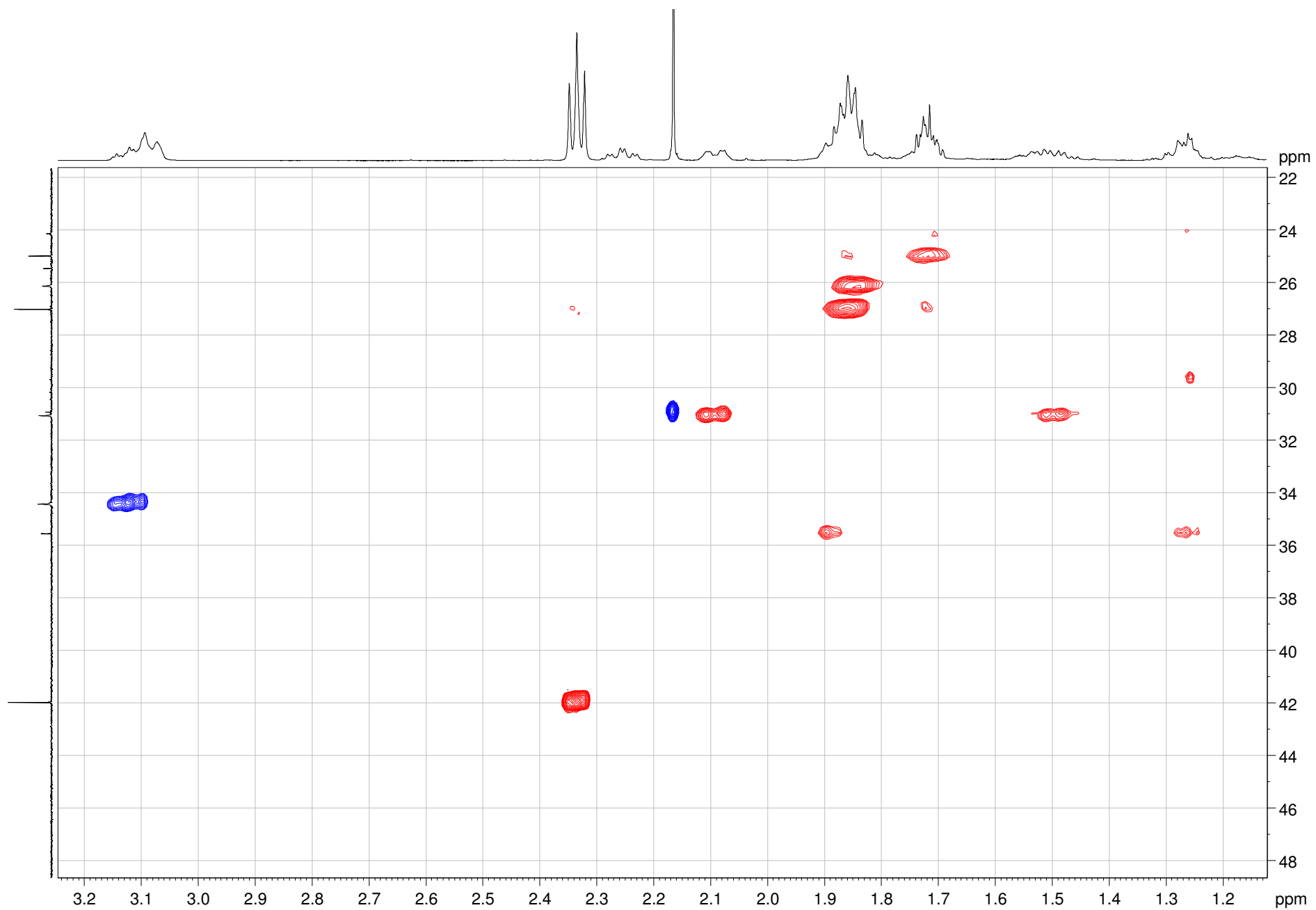
3539-HSQC
B-amid



3539-HSQC
B-amid



3539-HSQC
B-amid



(3R,2R)-6b

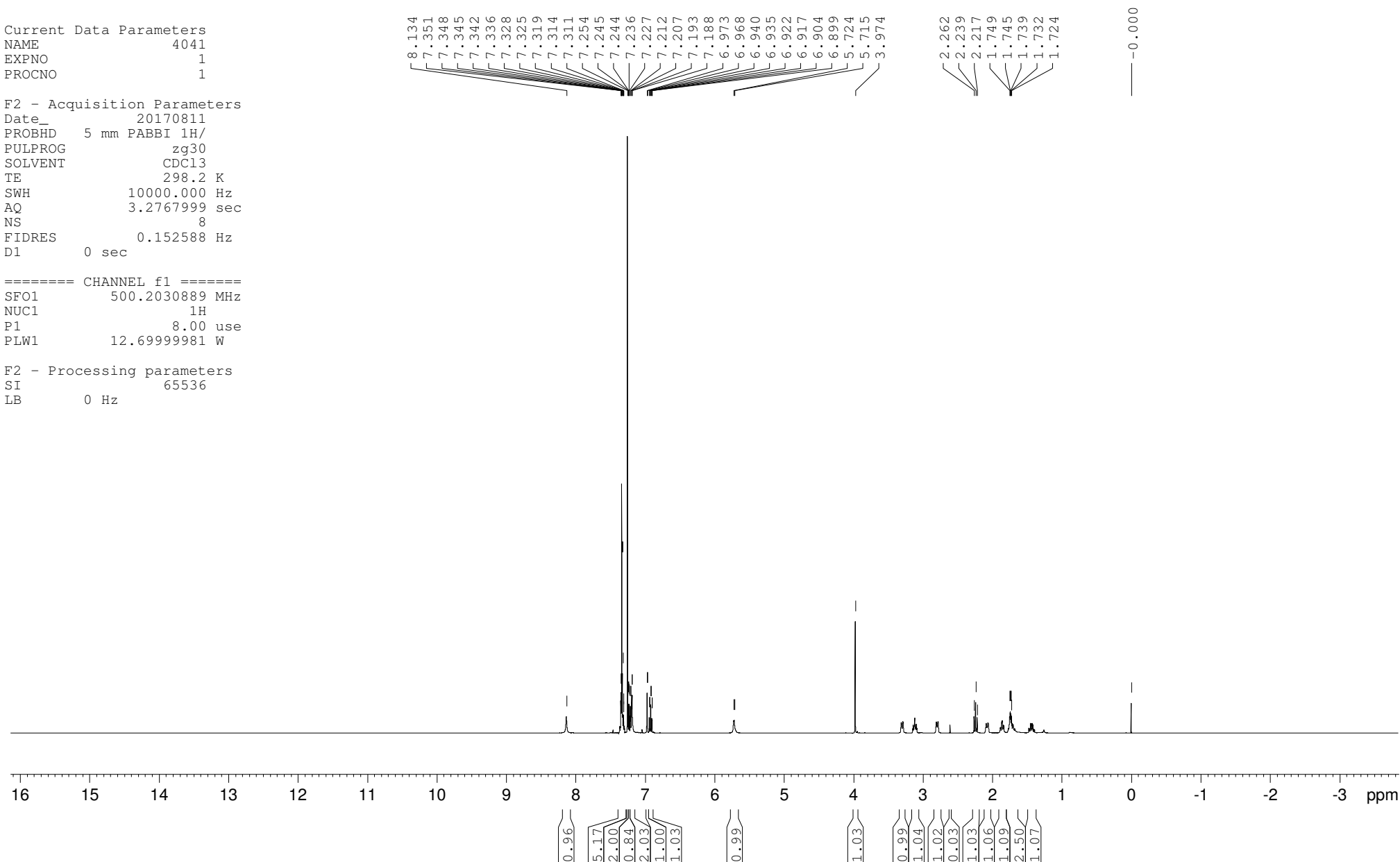
4041-1H
C

Current Data Parameters
NAME 4041
EXPNO 1
PROCNO 1

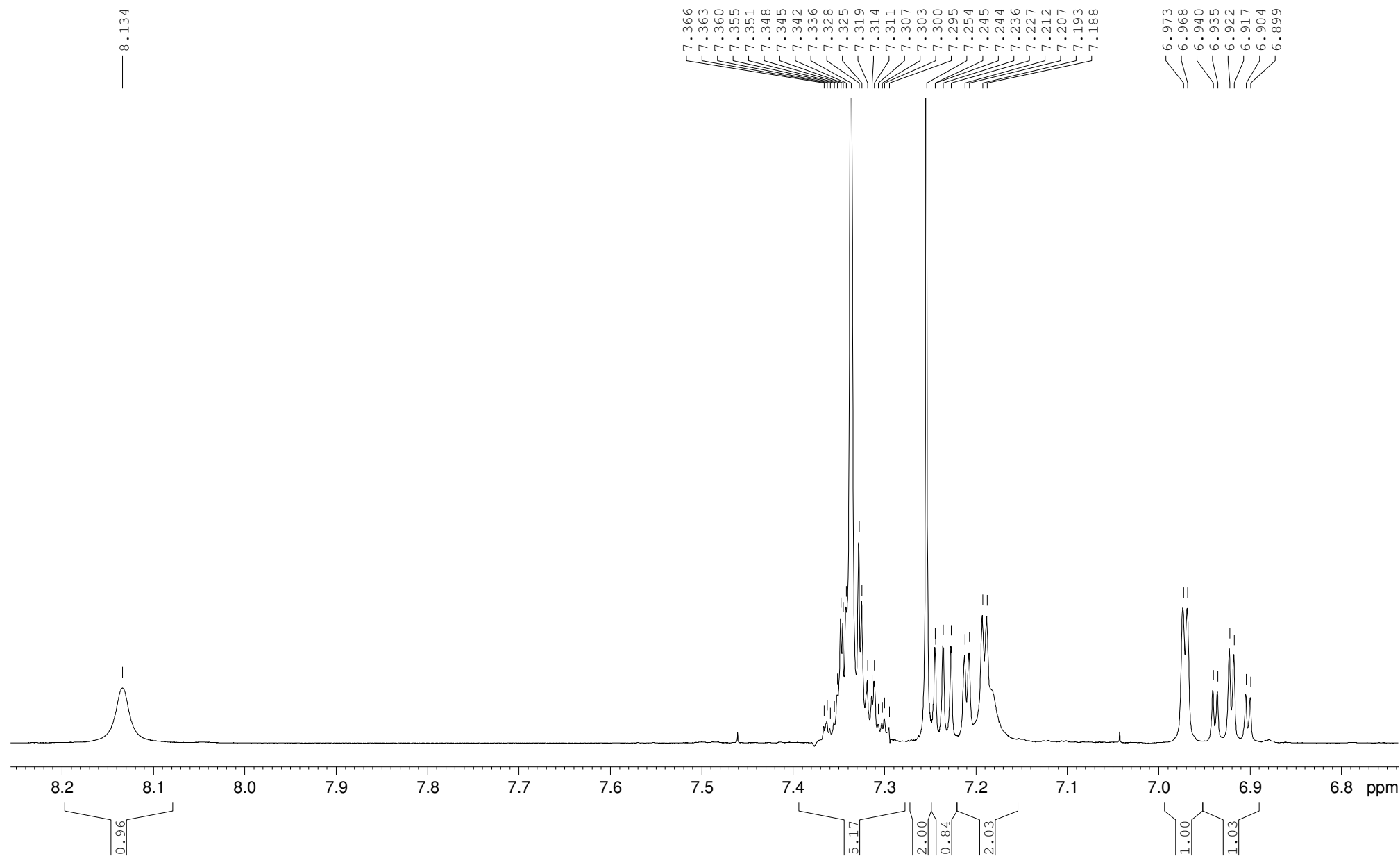
F2 - Acquisition Parameters
Date_ 20170811
PROBHD 5 mm PABBI 1H/
PULPROG zg30
SOLVENT CDCl3
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 8.00 use
PLW1 12.69999981 W

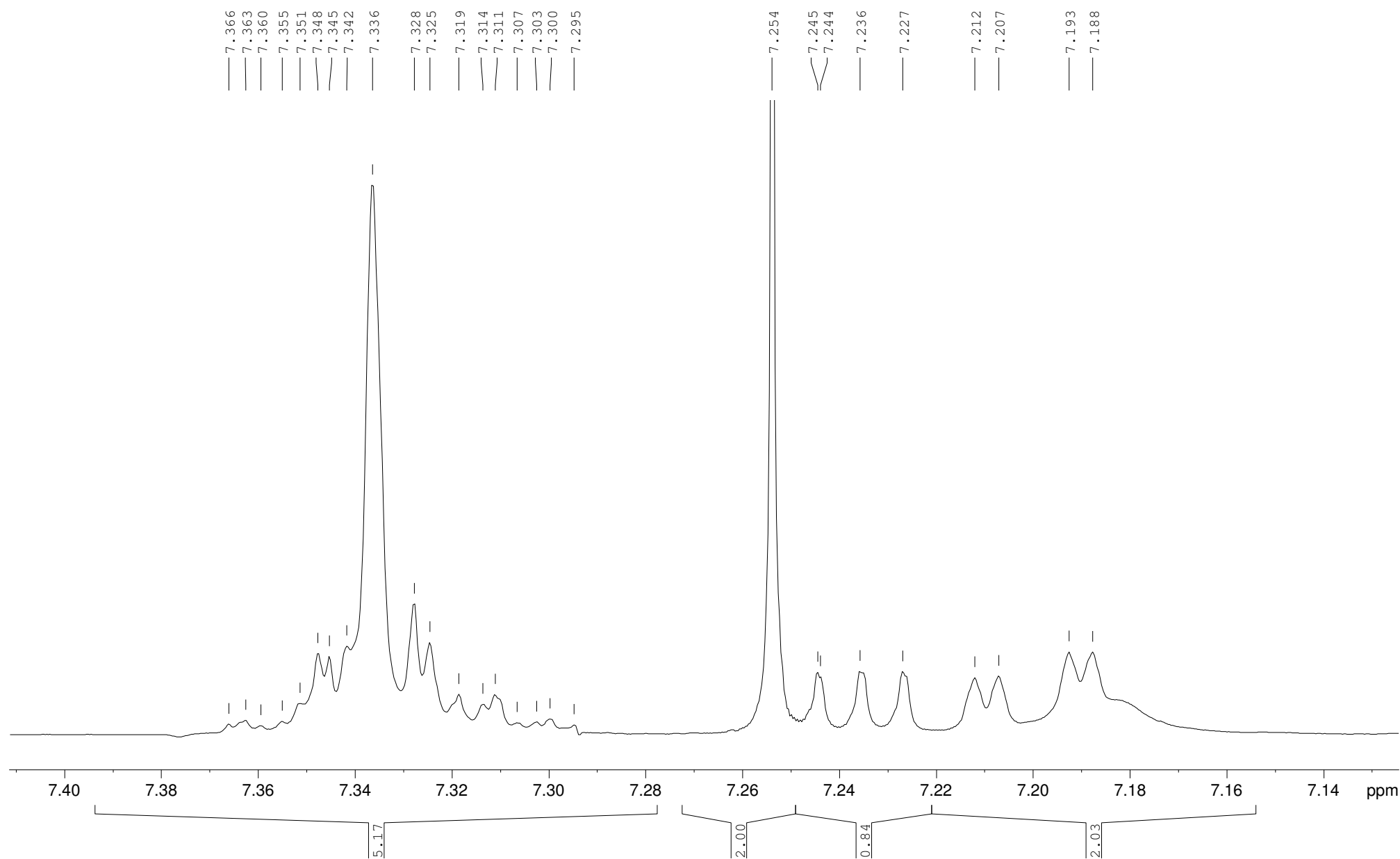
F2 - Processing parameters
SI 65536
LB 0 Hz



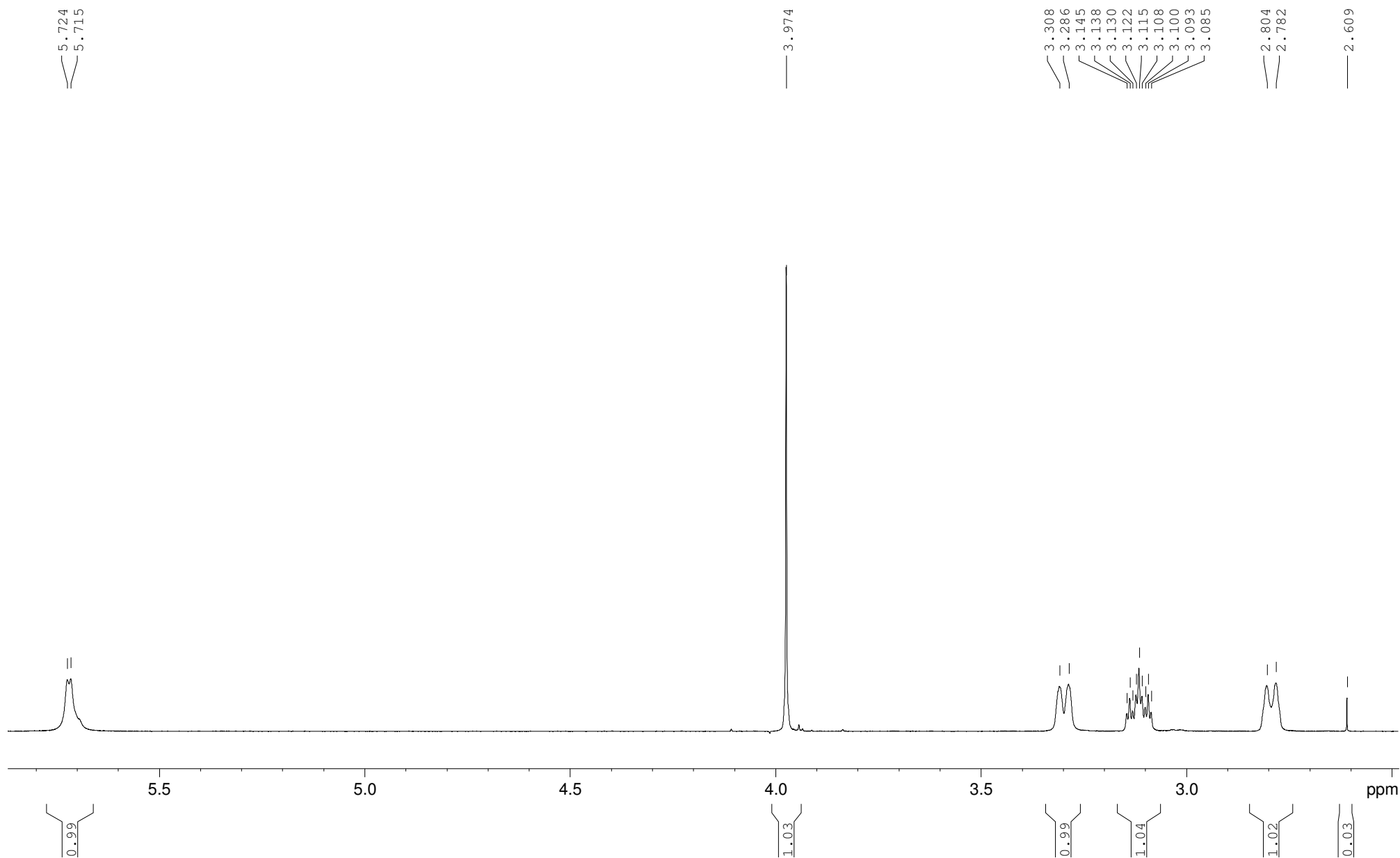
4041-1H
C



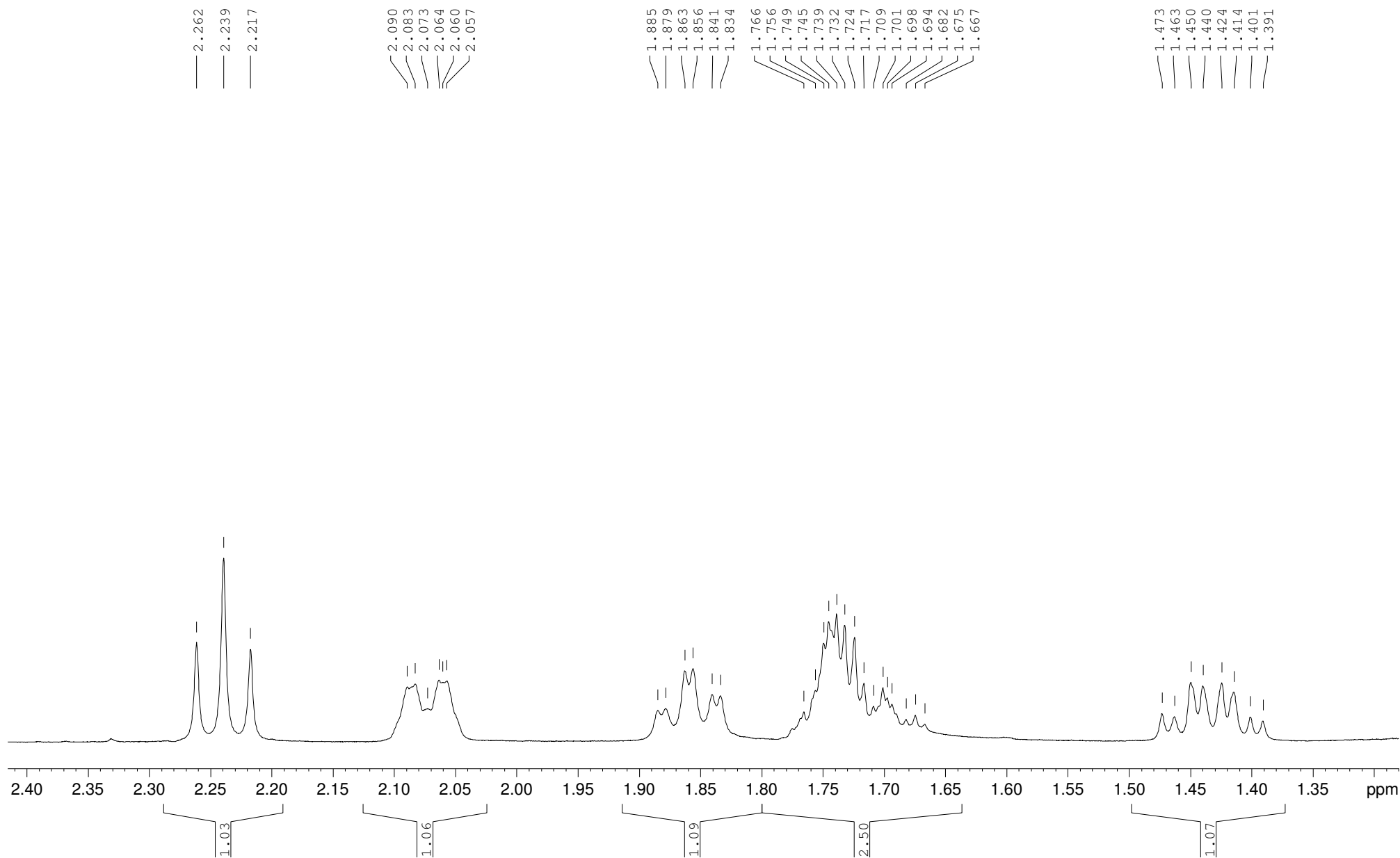
4041-1H
C



4041-1H
C



4041-1H
C



4041-13C
C

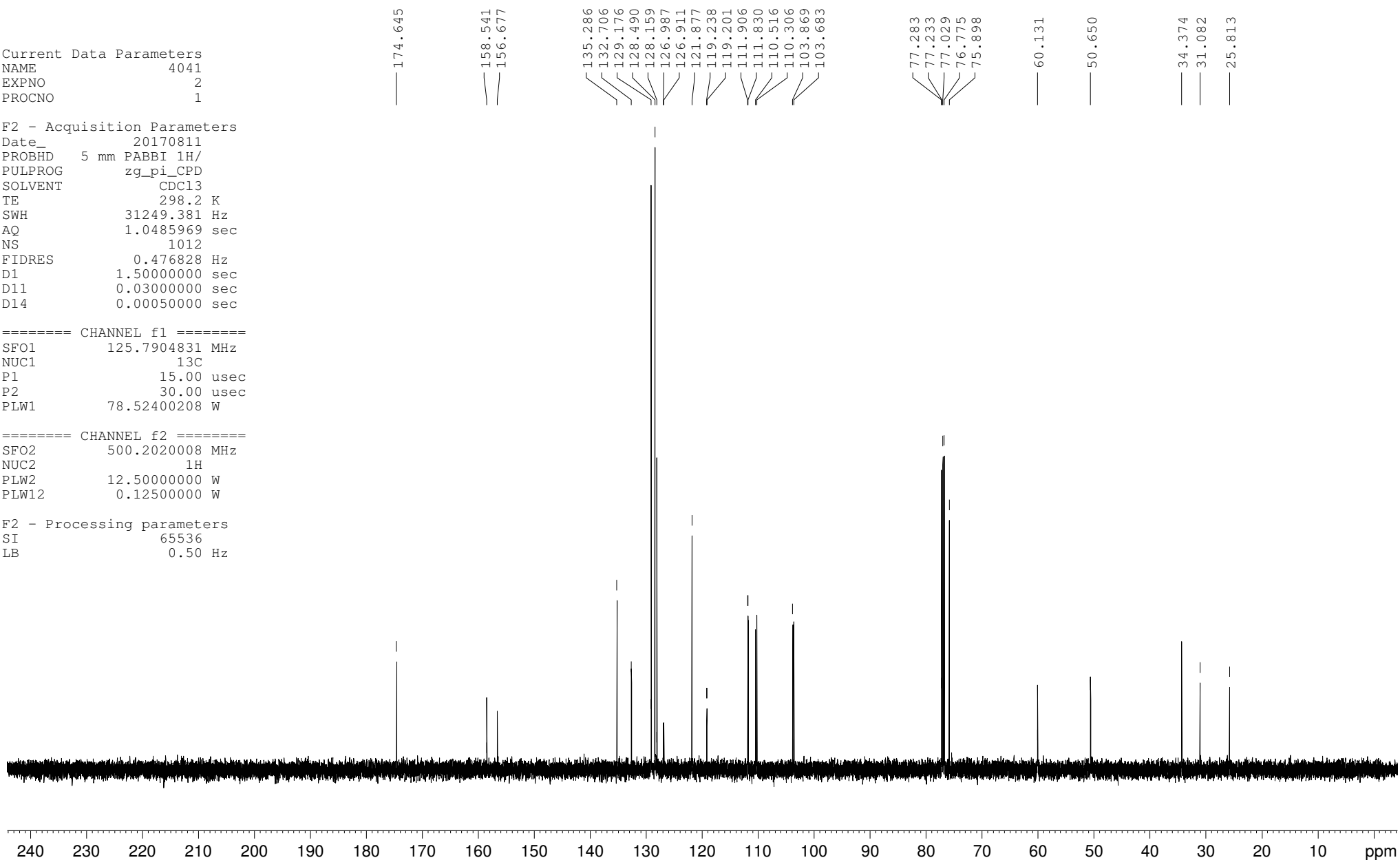
Current Data Parameters
NAME 4041
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170811
PROBHD 5 mm PABBI 1H/
PULPROG zg_pi_CPD
SOLVENT CDCl3
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 1012
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

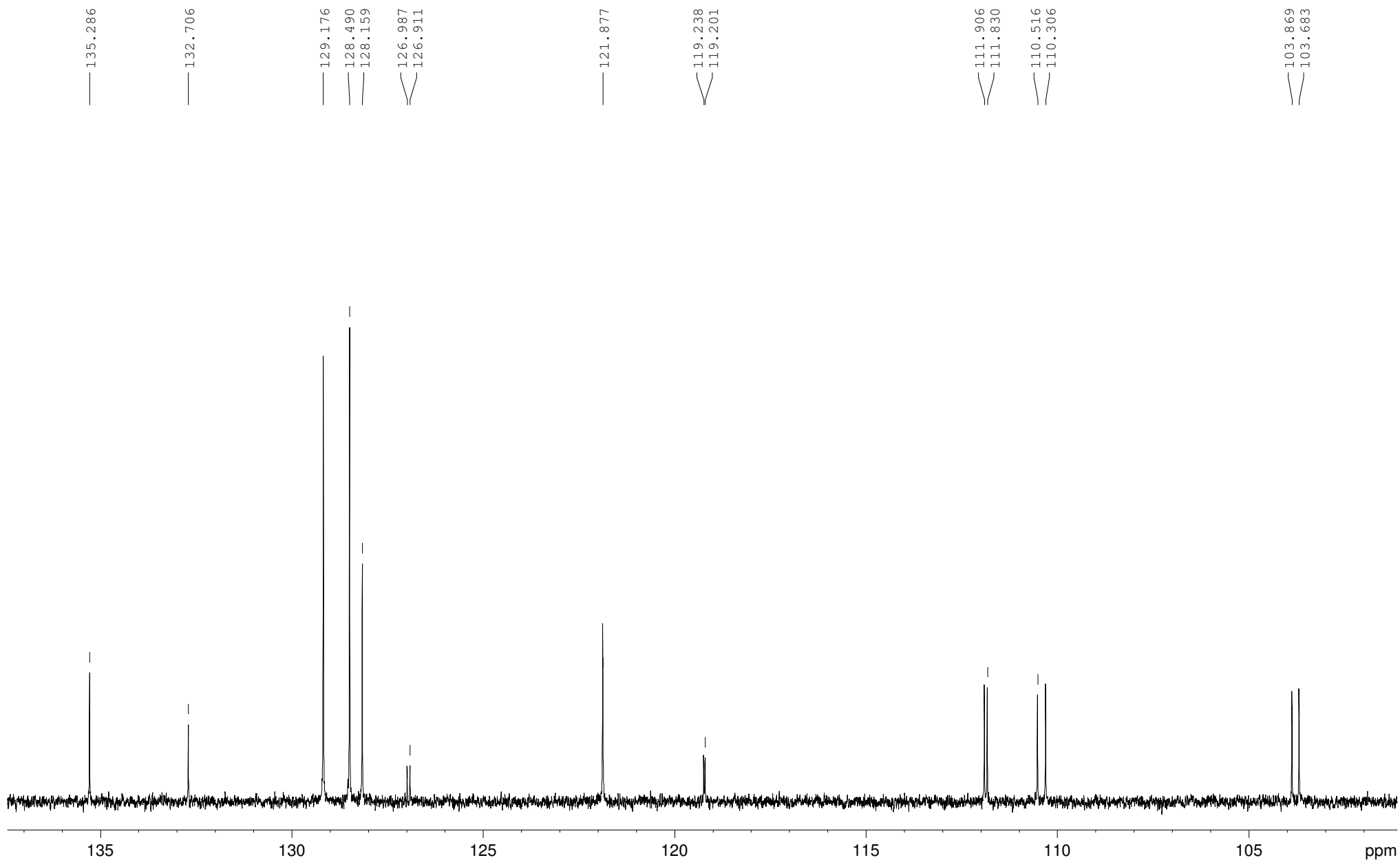
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 15.00 usec
P2 30.00 usec
PLW1 78.52400208 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 12.50000000 W
PLW12 0.12500000 W

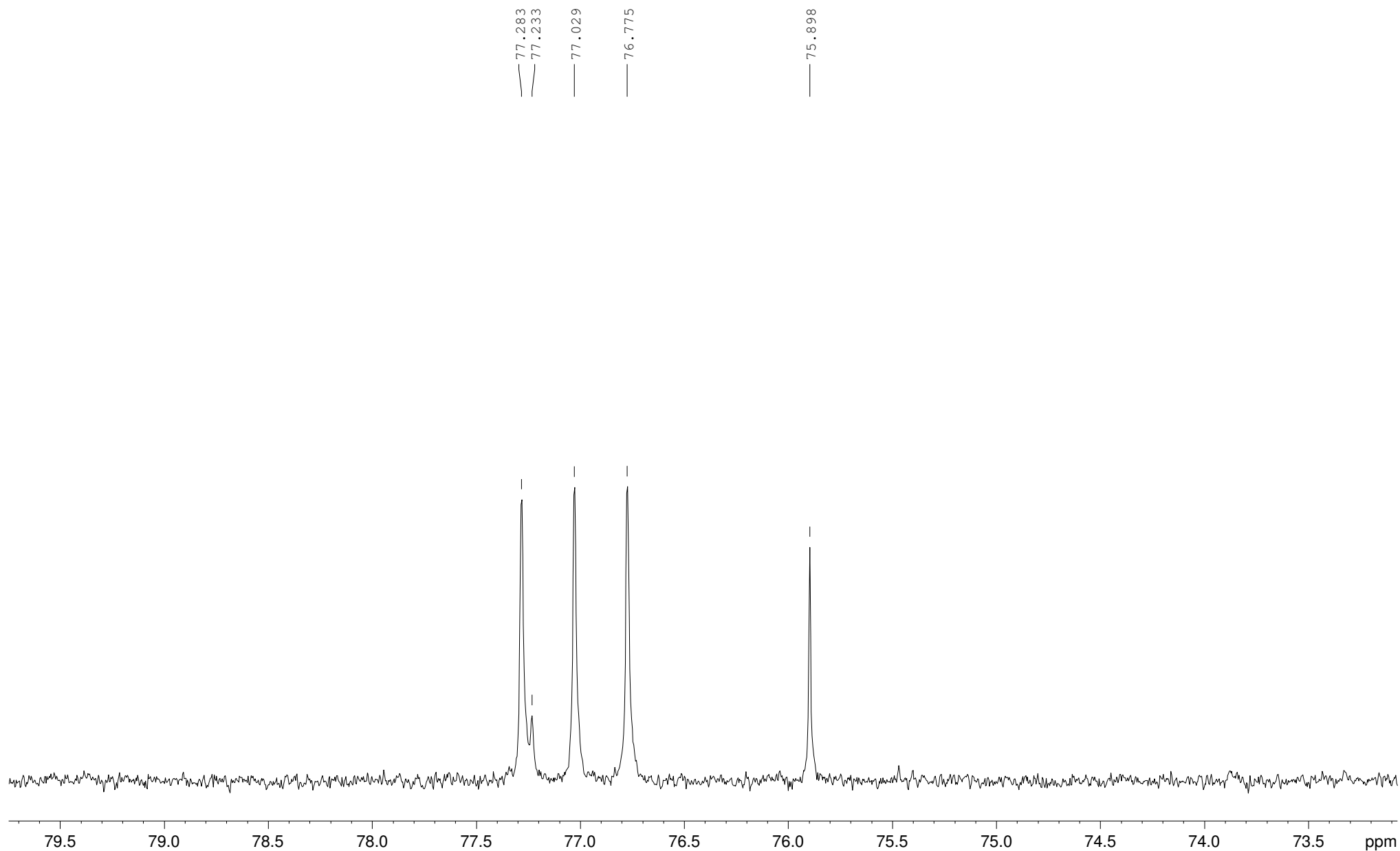
F2 - Processing parameters
SI 65536
LB 0.50 Hz



4041-13C
C



4041-13C
C



(3S,2R)-7b

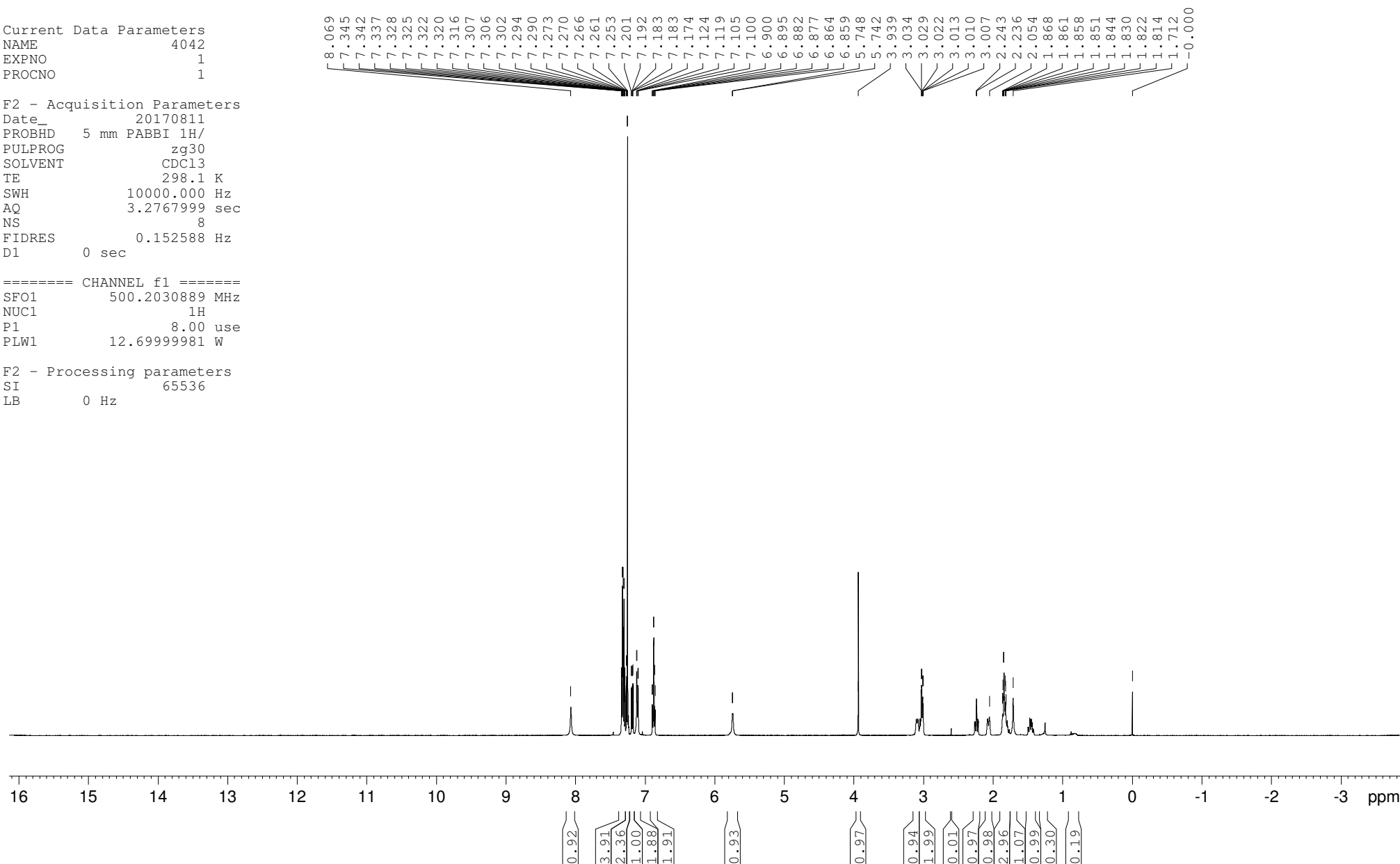
4042-1H
D

Current Data Parameters
NAME 4042
EXPNO 1
PROCNO 1

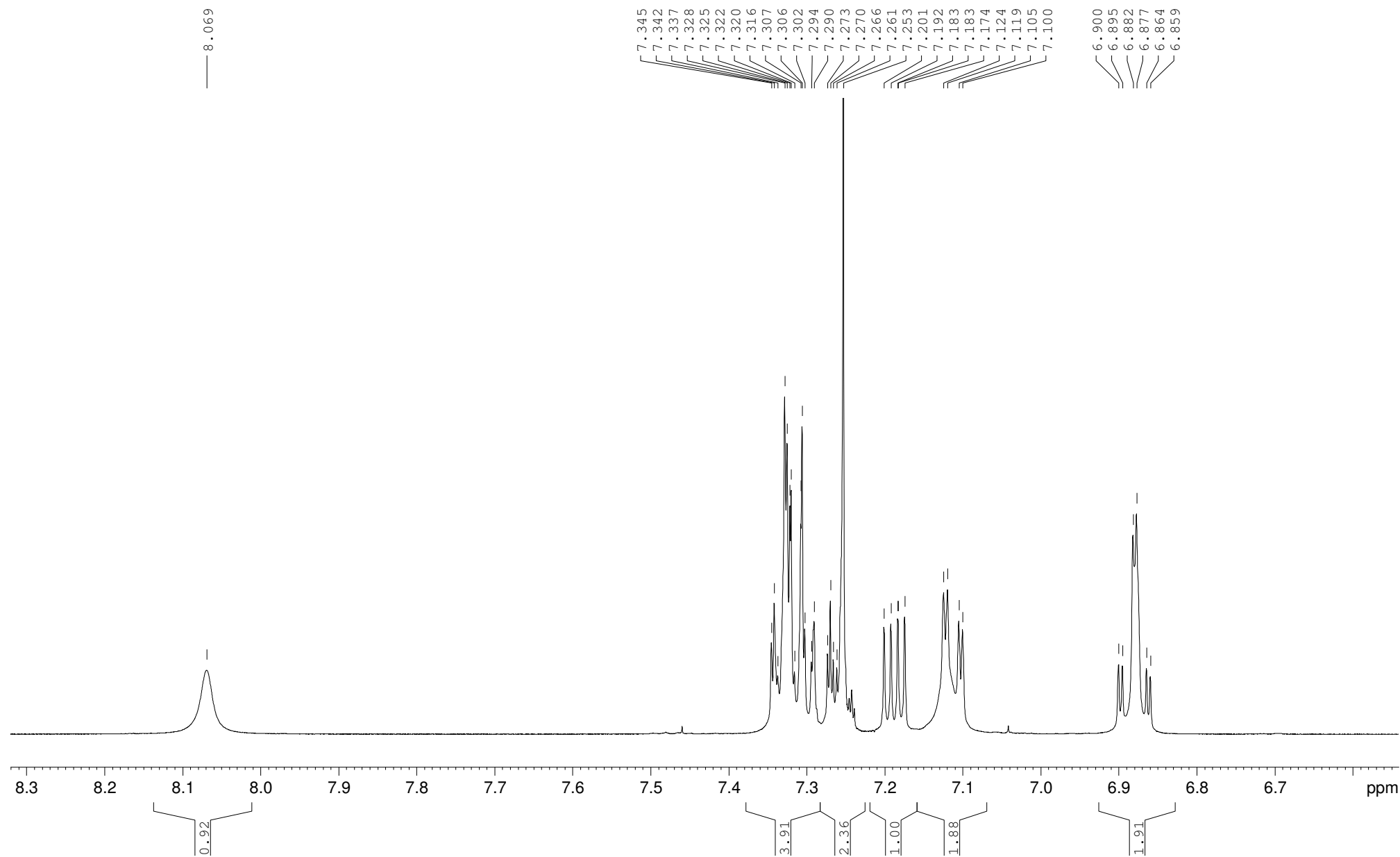
F2 - Acquisition Parameters
Date_ 20170811
PROBHD 5 mm PABBI 1H/
PULPROG zg30
SOLVENT CDCl3
TE 298.1 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 8.00 use
PLW1 12.69999981 W

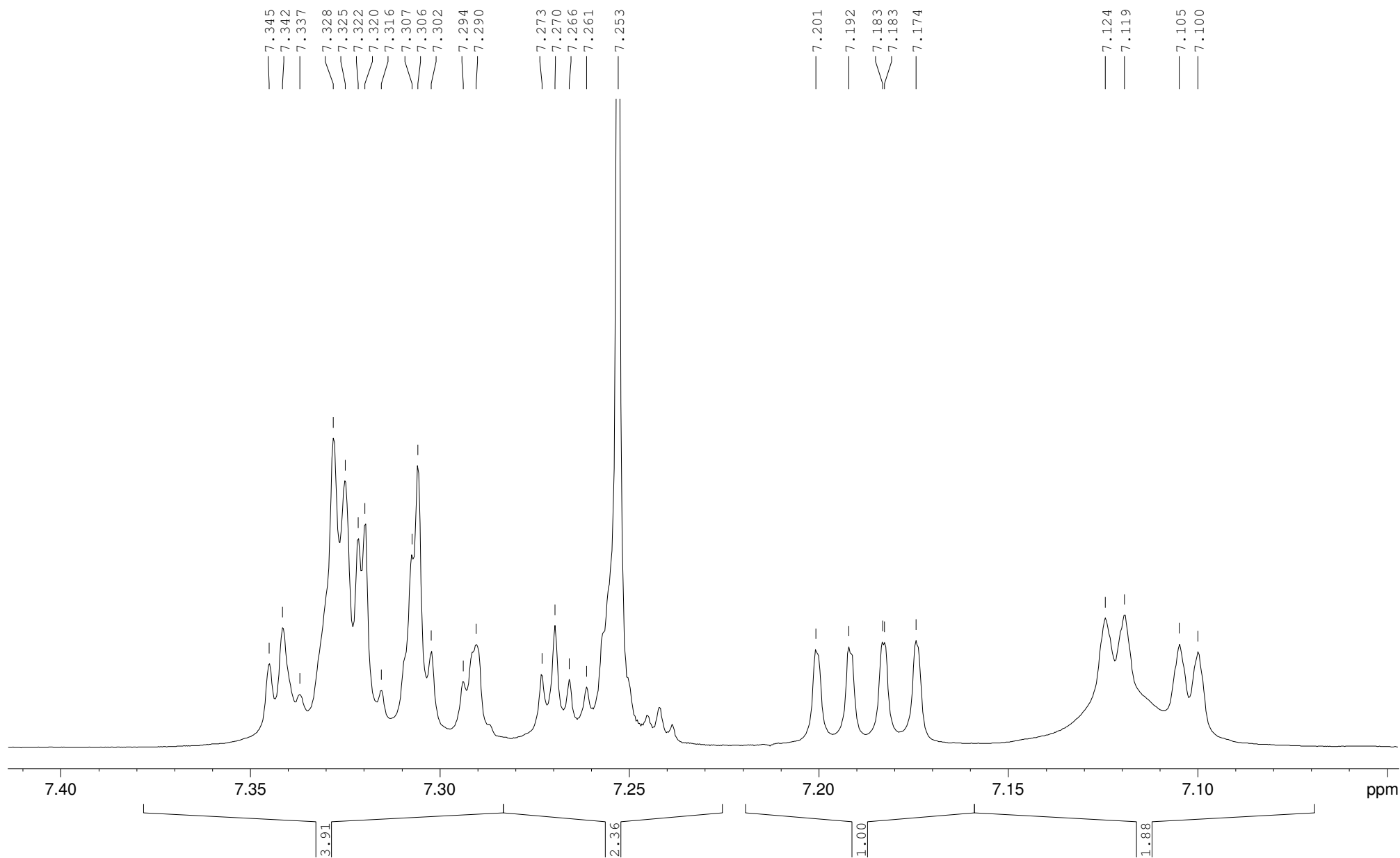
F2 - Processing parameters
SI 65536
LB 0 Hz



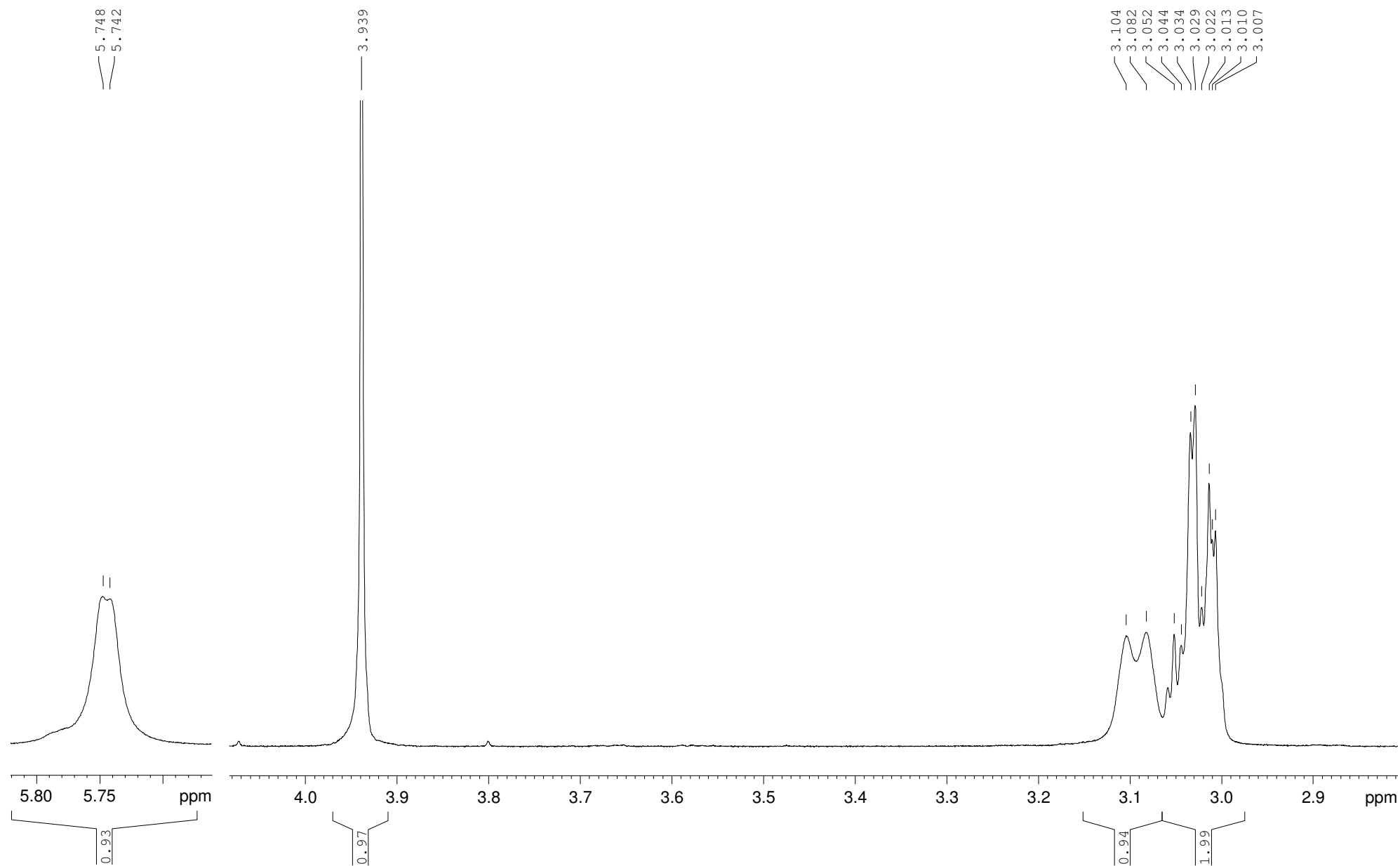
4042-1H
D



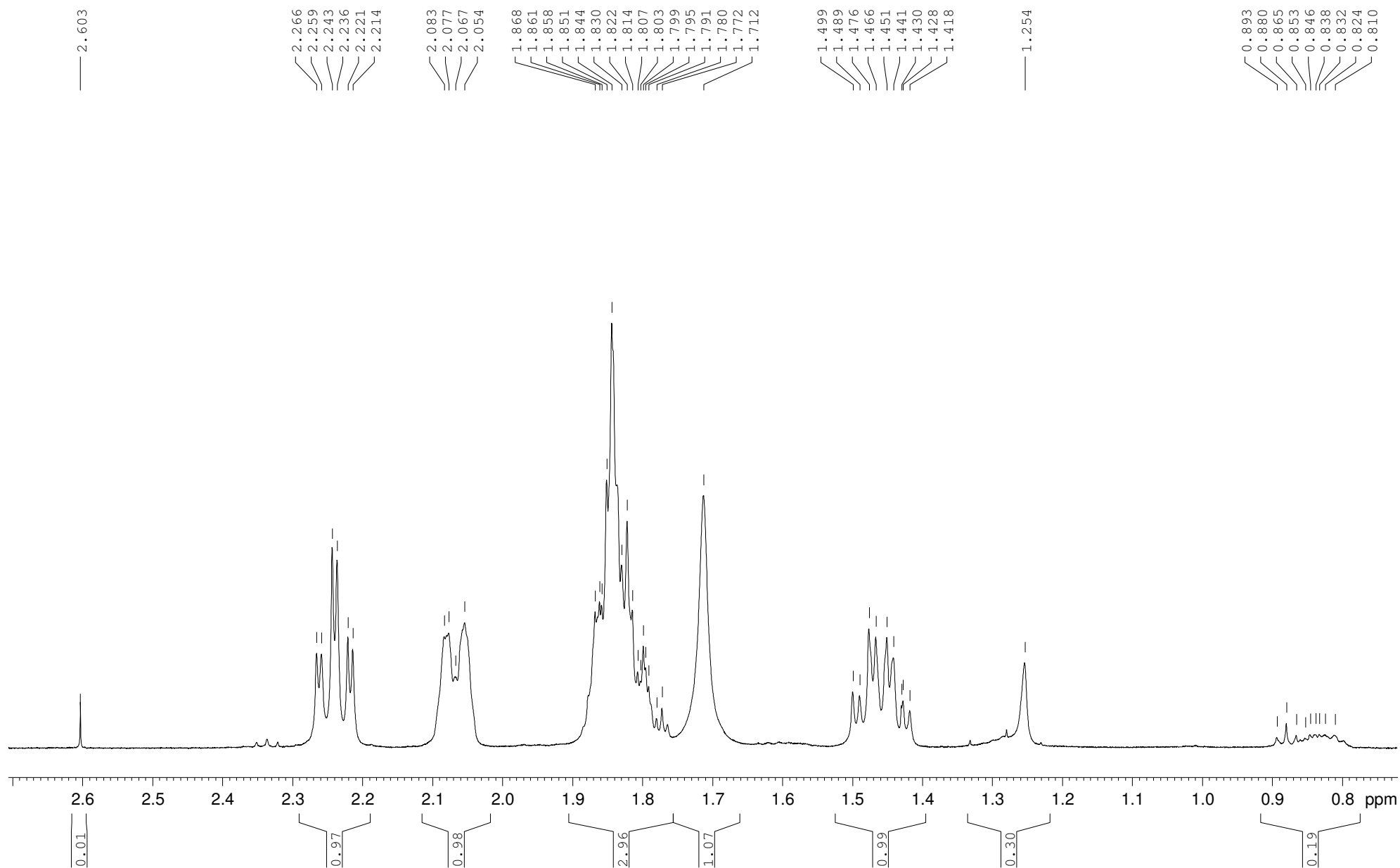
4042-1H
D



4042-1H
D



4042-1H
D



4042-13C
D

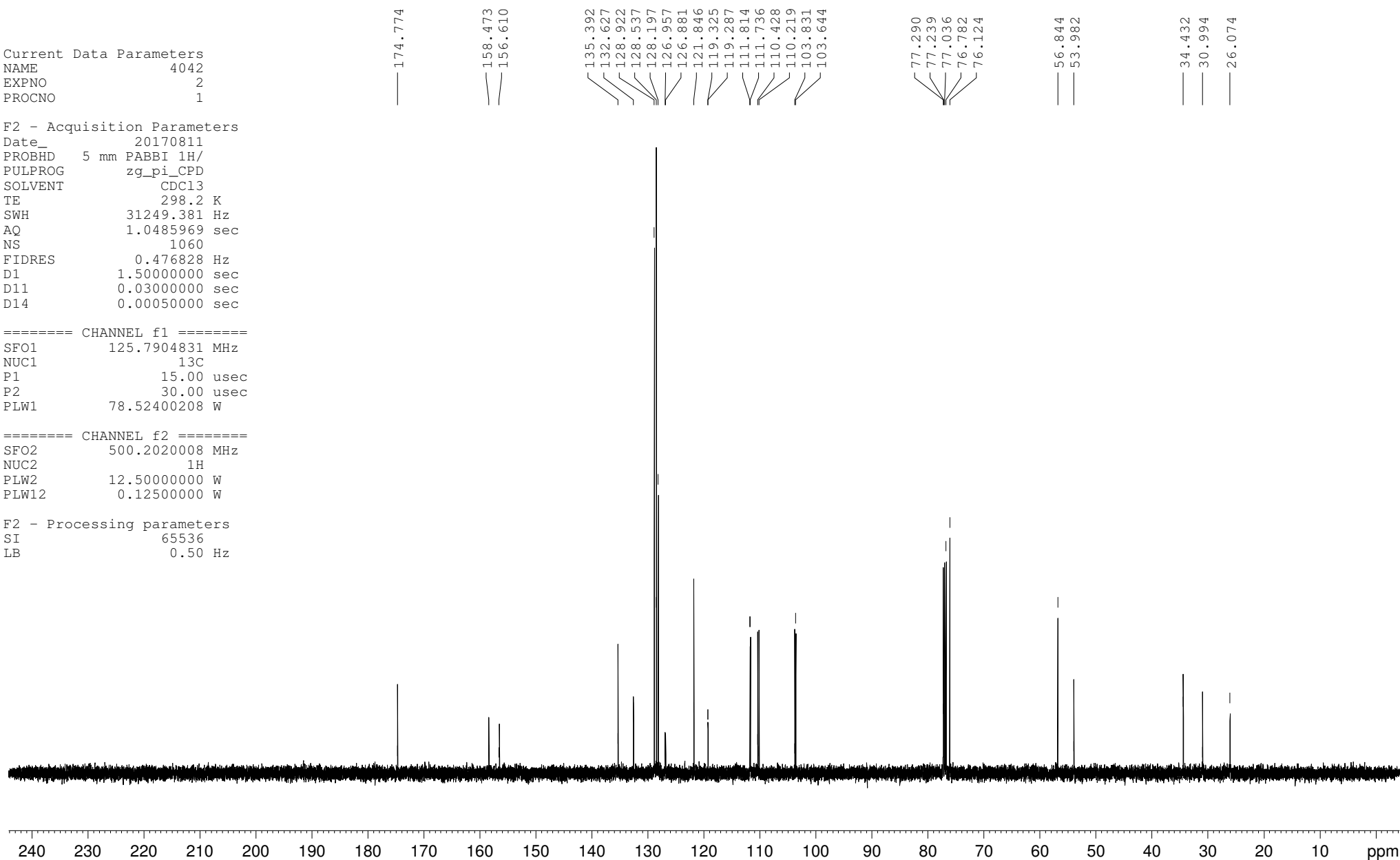
Current Data Parameters
NAME 4042
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170811
PROBHD 5 mm PABBI 1H/
PULPROG zg_pi_CPD
SOLVENT CDC13
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 1060
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

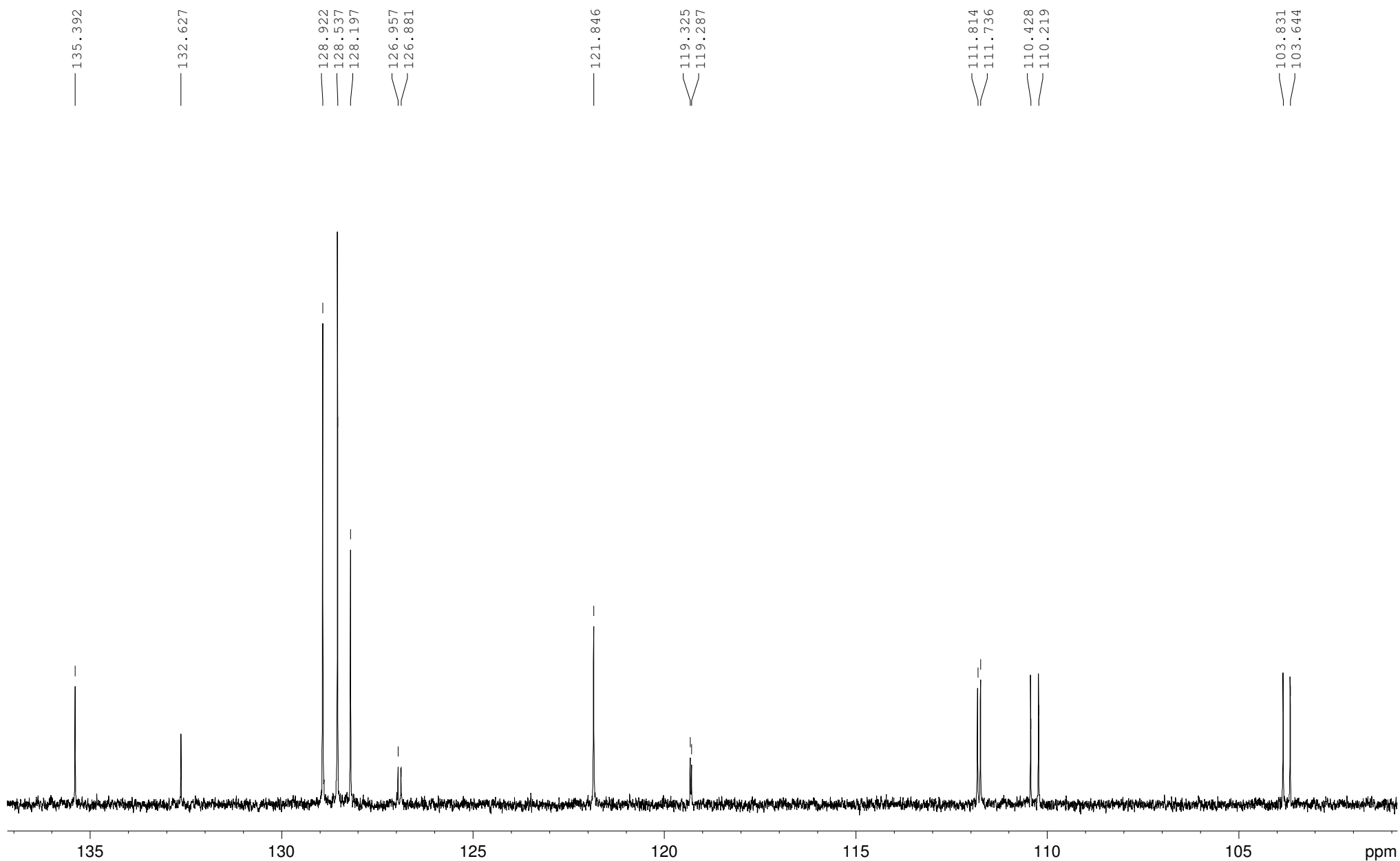
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 15.00 usec
P2 30.00 usec
PLW1 78.52400208 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 12.50000000 W
PLW12 0.12500000 W

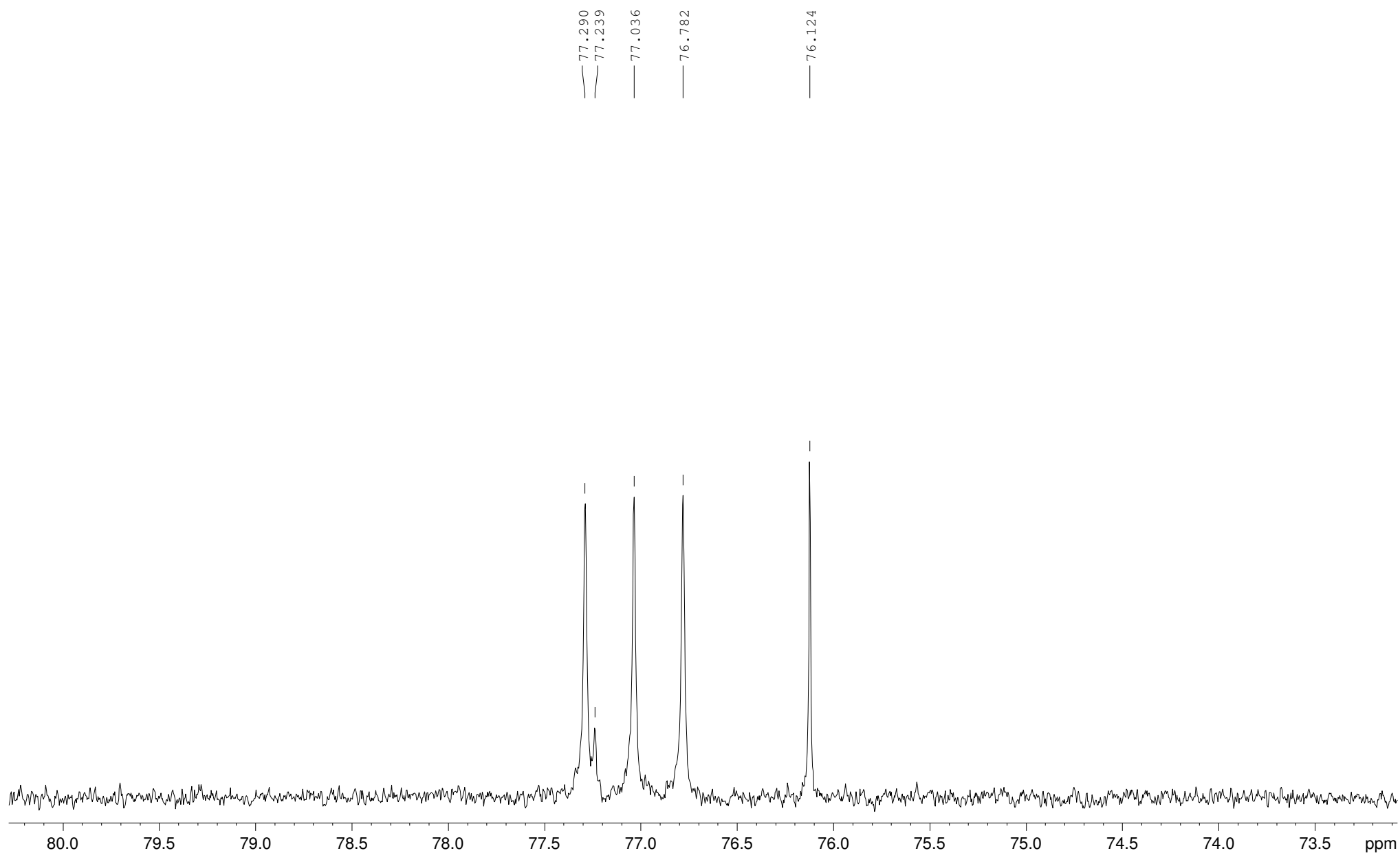
F2 - Processing parameters
SI 65536
LB 0.50 Hz



4042-13C
D



4042-13C
D



(3R,2R)-8c

4362-1H

E

Current Data Parameters

NAME 4362
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

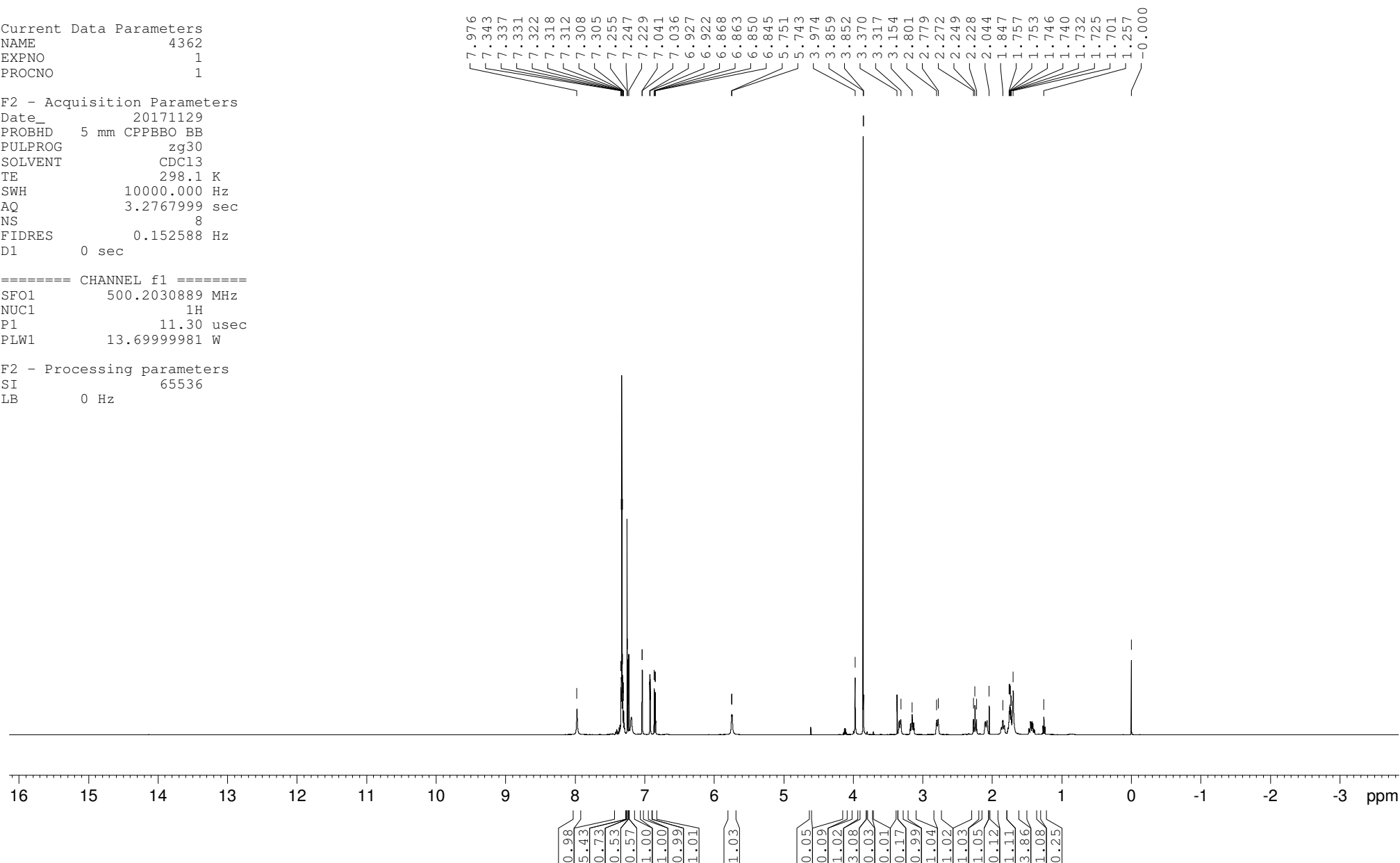
Date_ 20171129
PROBHD 5 mm CPPBBO BB
PULPROG zg30
SOLVENT CDCl3
TE 298.1 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====

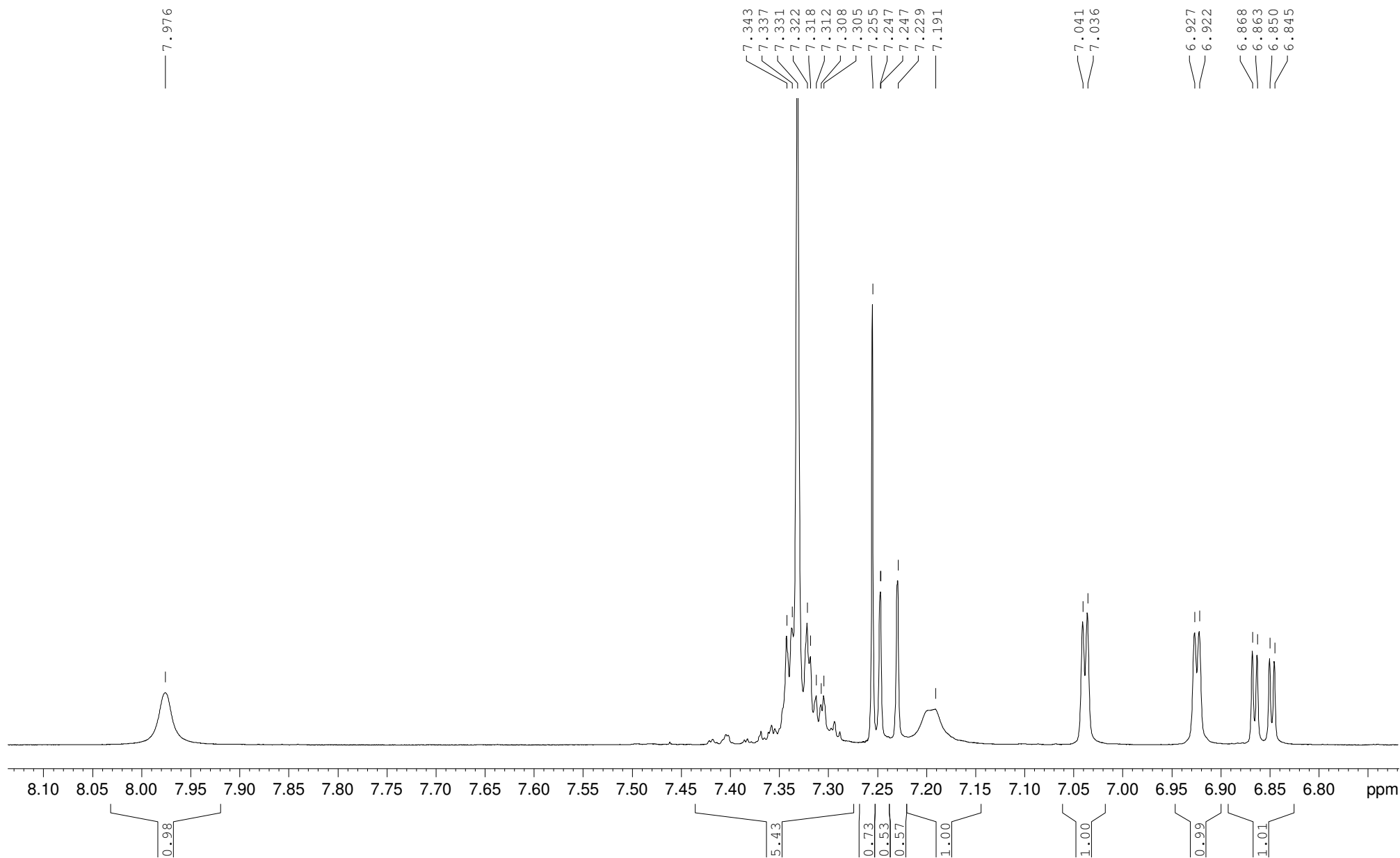
SFO1 500.2030889 MHz
NUC1 1H
P1 11.30 usec
PLW1 13.69999981 W

F2 - Processing parameters

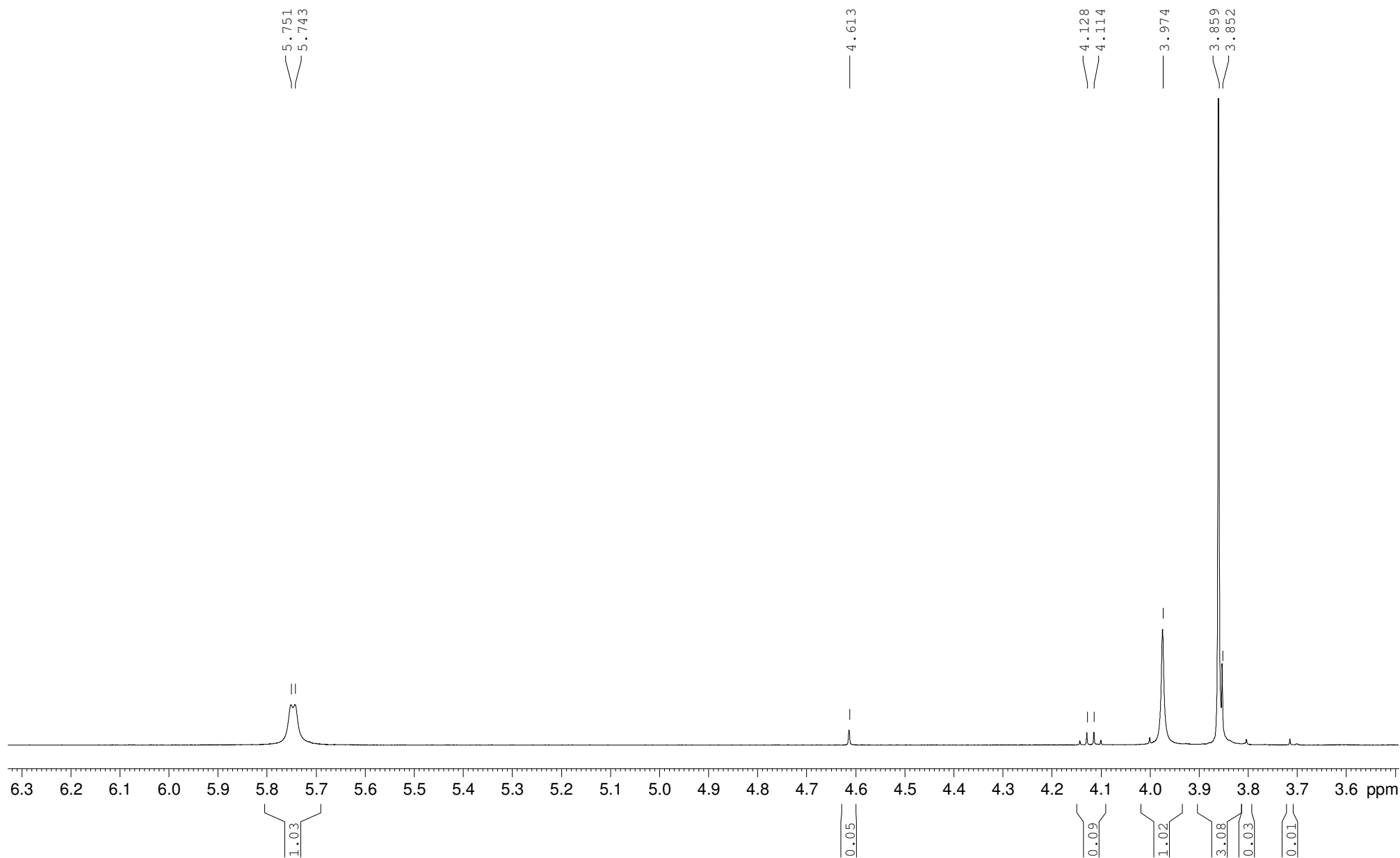
SI 65536
LB 0 Hz



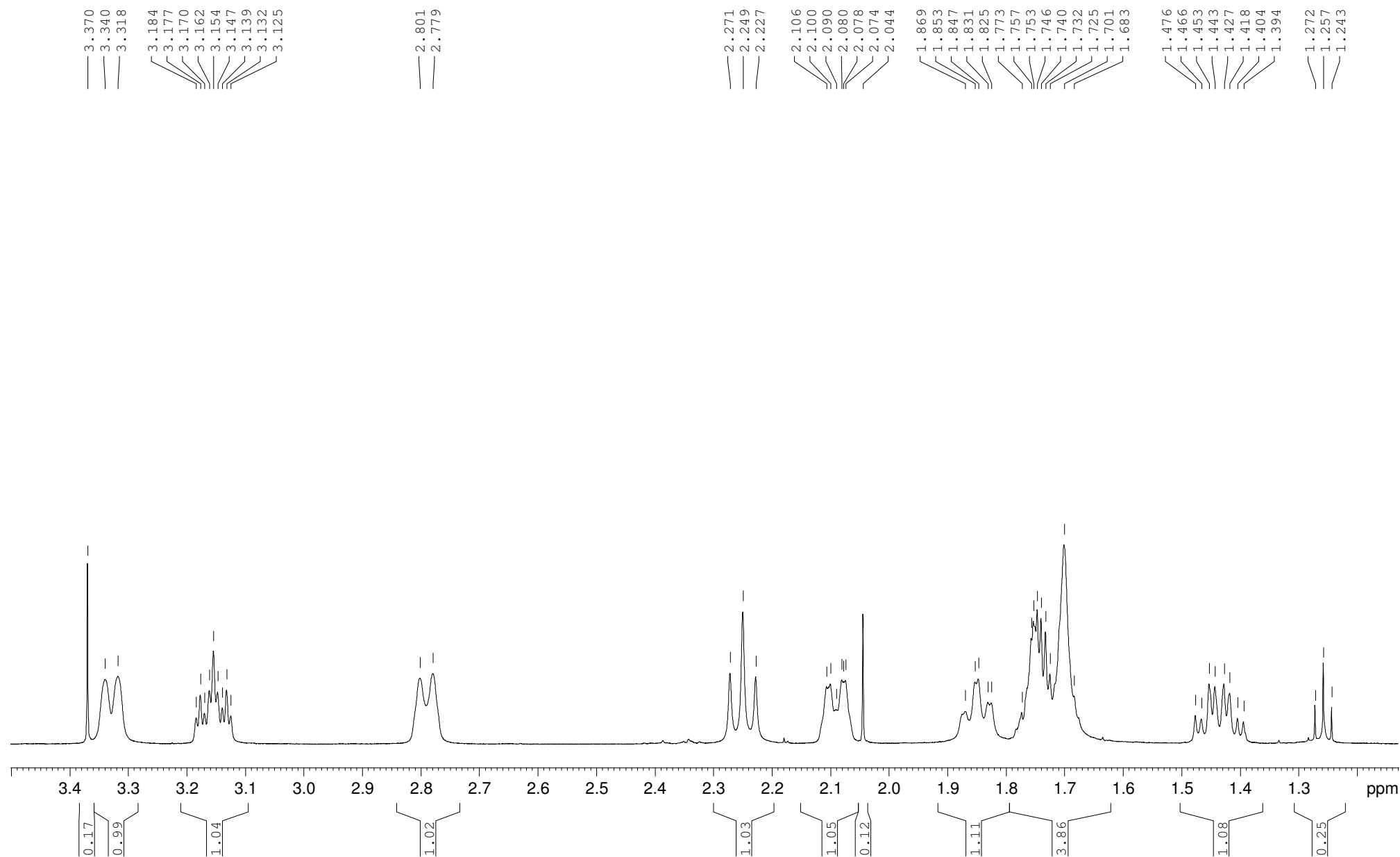
4362-1H
E



4362-1H
E



4362-1H
E



4501-13C
E

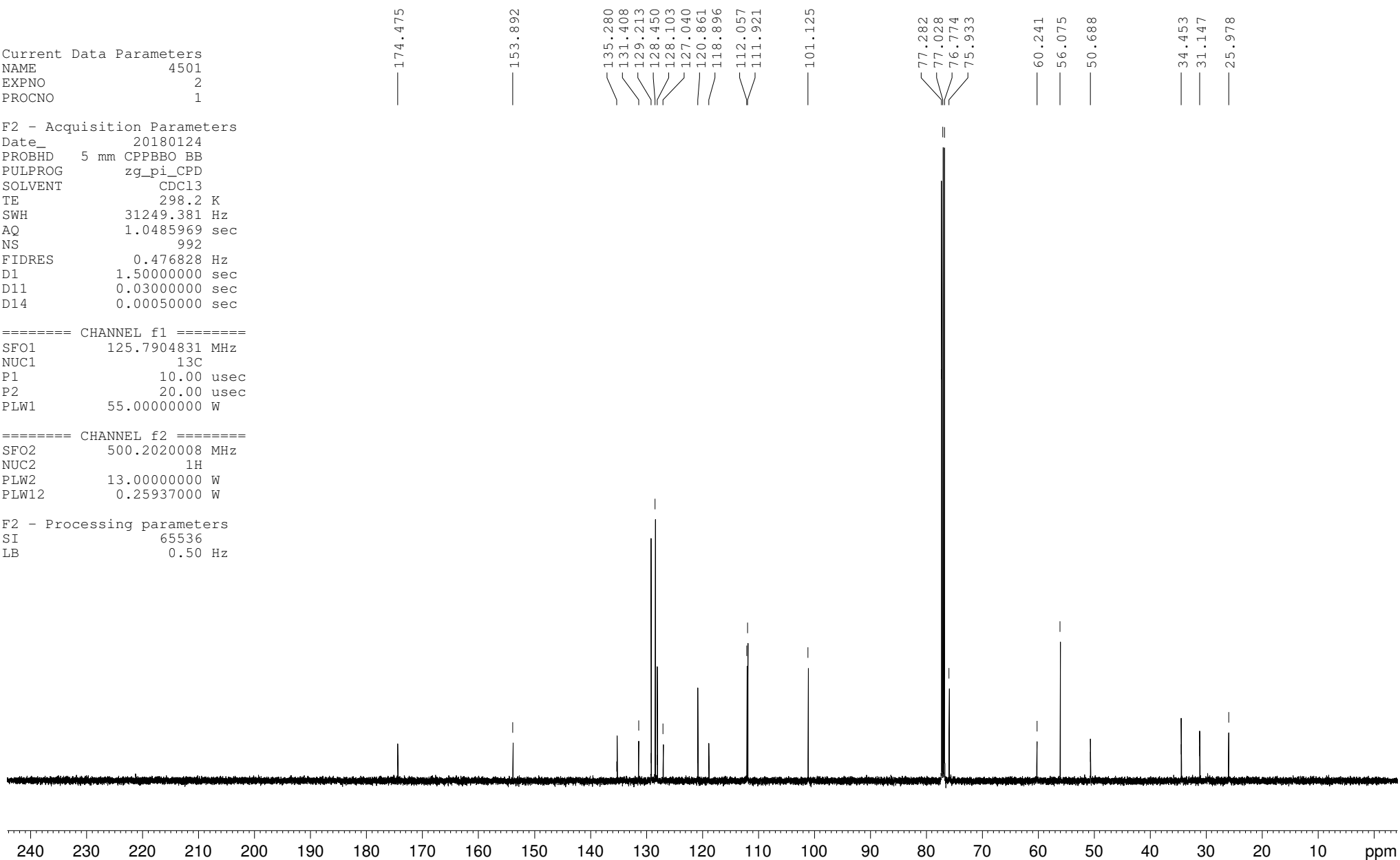
Current Data Parameters
NAME 4501
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180124
PROBHD 5 mm CPPBBO BB
PULPROG zg_pi_CPD
SOLVENT CDCl3
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 992
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

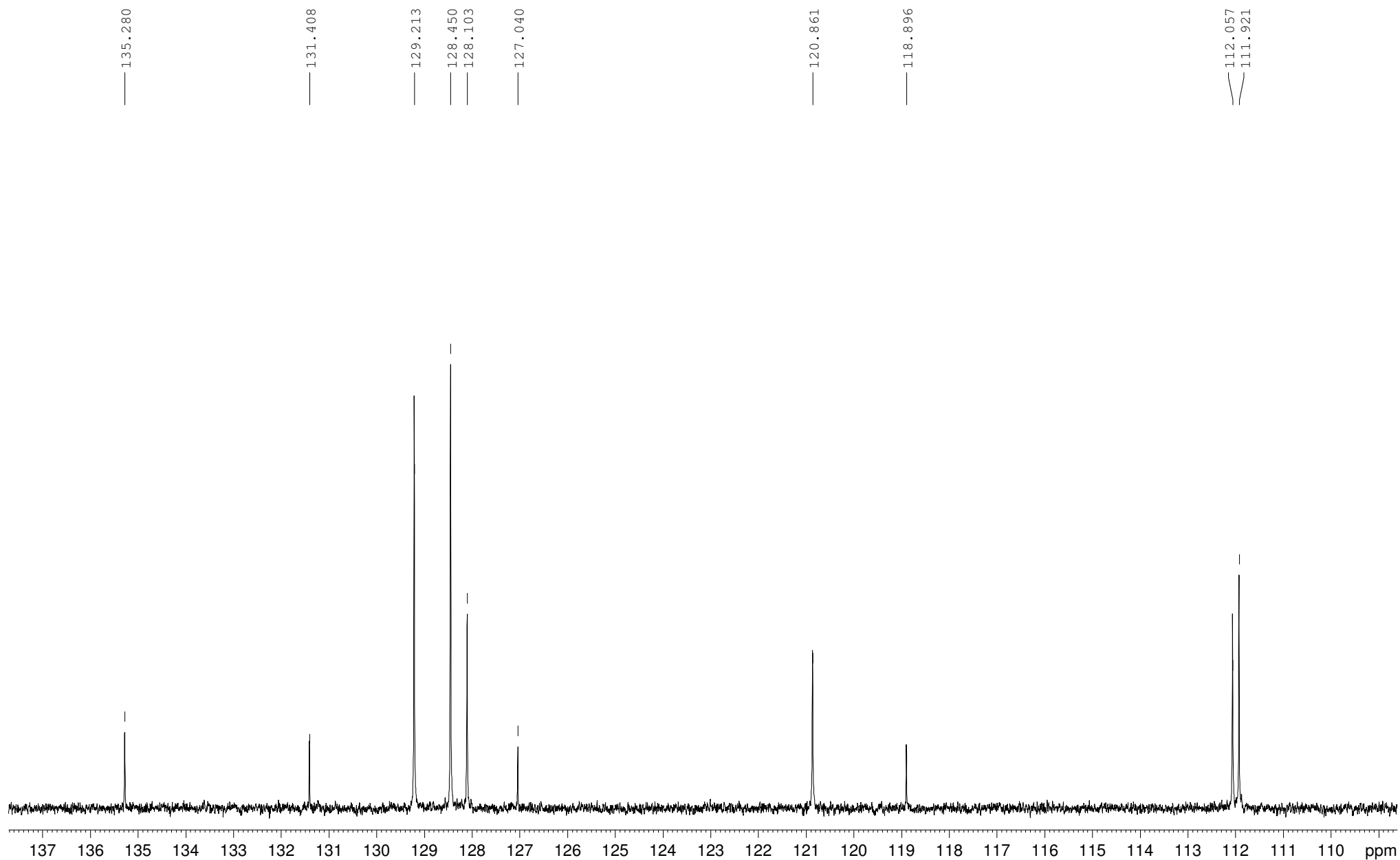
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 10.00 usec
P2 20.00 usec
PLW1 55.00000000 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 13.00000000 W
PLW12 0.25937000 W

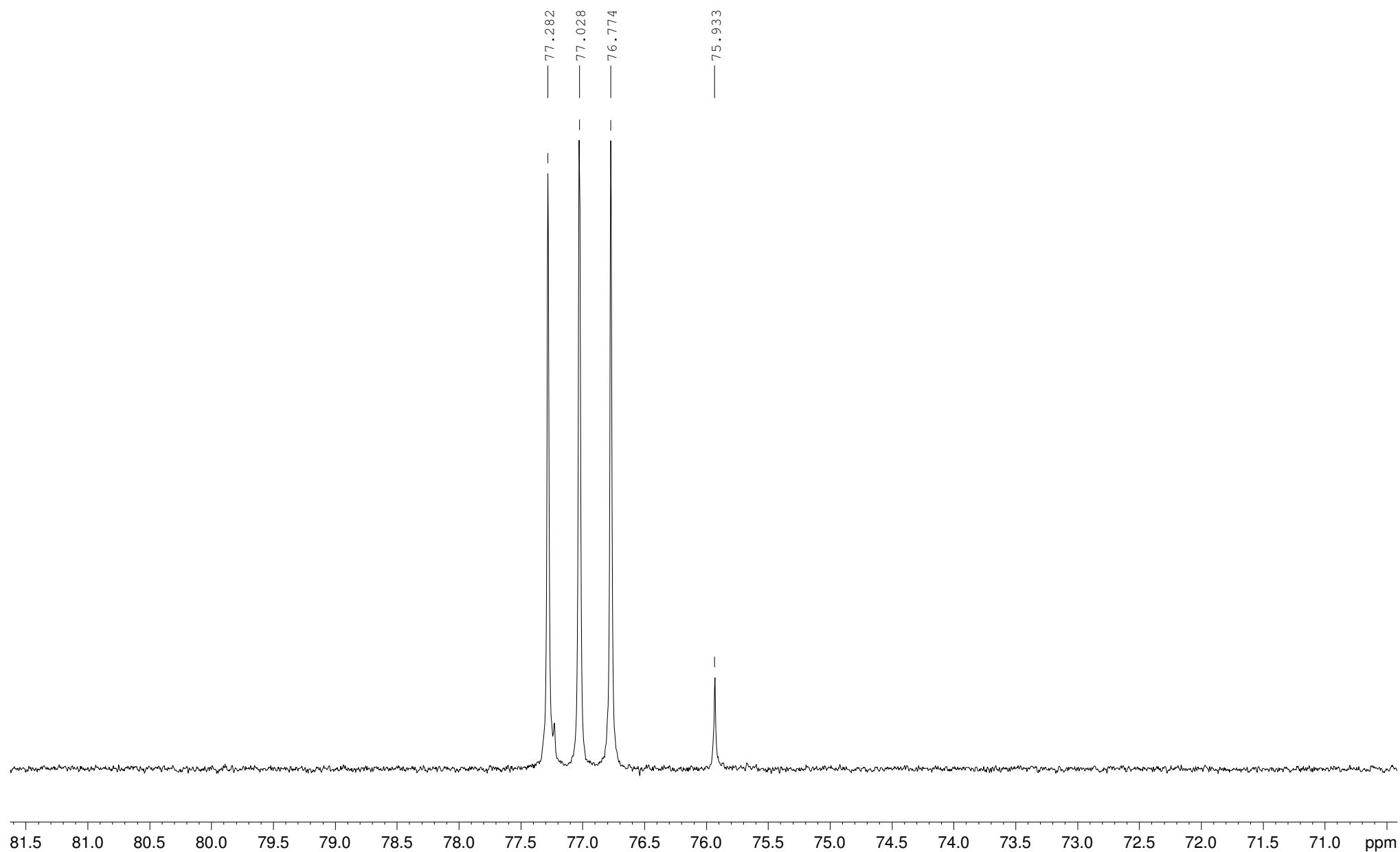
F2 - Processing parameters
SI 65536
LB 0.50 Hz



4501-13C
E



4501-13C
E



4391-COSY
E

Current Data Parameters

NAME 4391
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters

Date_ 20171214
PROBHD 5 mm CPPBBO BB
PULPROG cosygpppqf
SOLVENT CDC13
TE 298.1 K
SWH 5060.729 Hz
AQ 0.2023424 sec
NS 2
FIDRES 2.471059 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec

===== CHANNEL f1 =====

SFO1 500.2020304 MHz
NUC1 1H
P0 11.30 usec
P1 11.30 usec
P17 0 usec
PLW1 13.69999981 W
PLW10 2.58780003 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec

F1 - Acquisition parameters

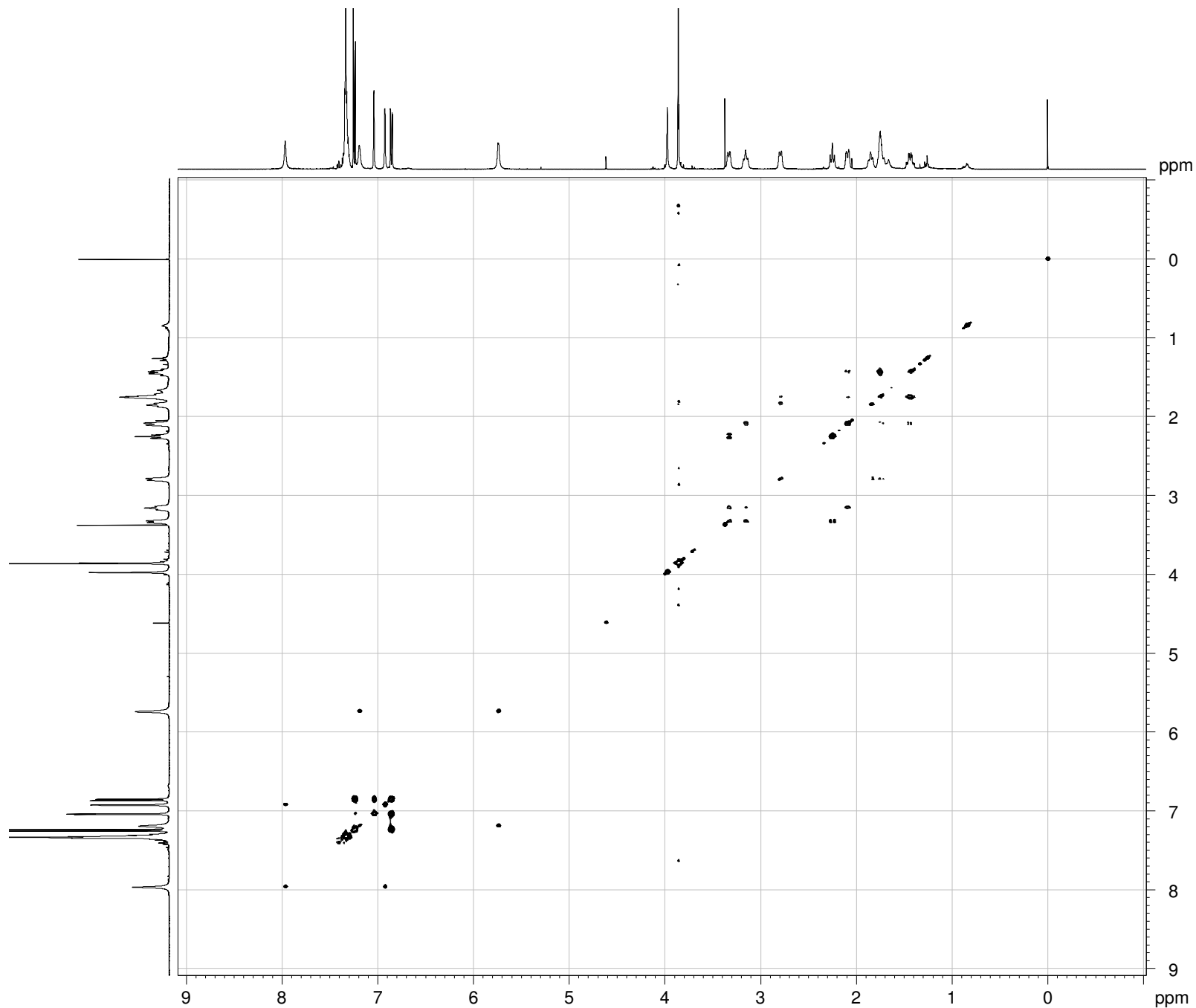
TD 128
SFO1 500.202 MHz
FIDRES 39.536942 Hz
SW 10.117 ppm
FnMODE QF

F2 - Processing parameters

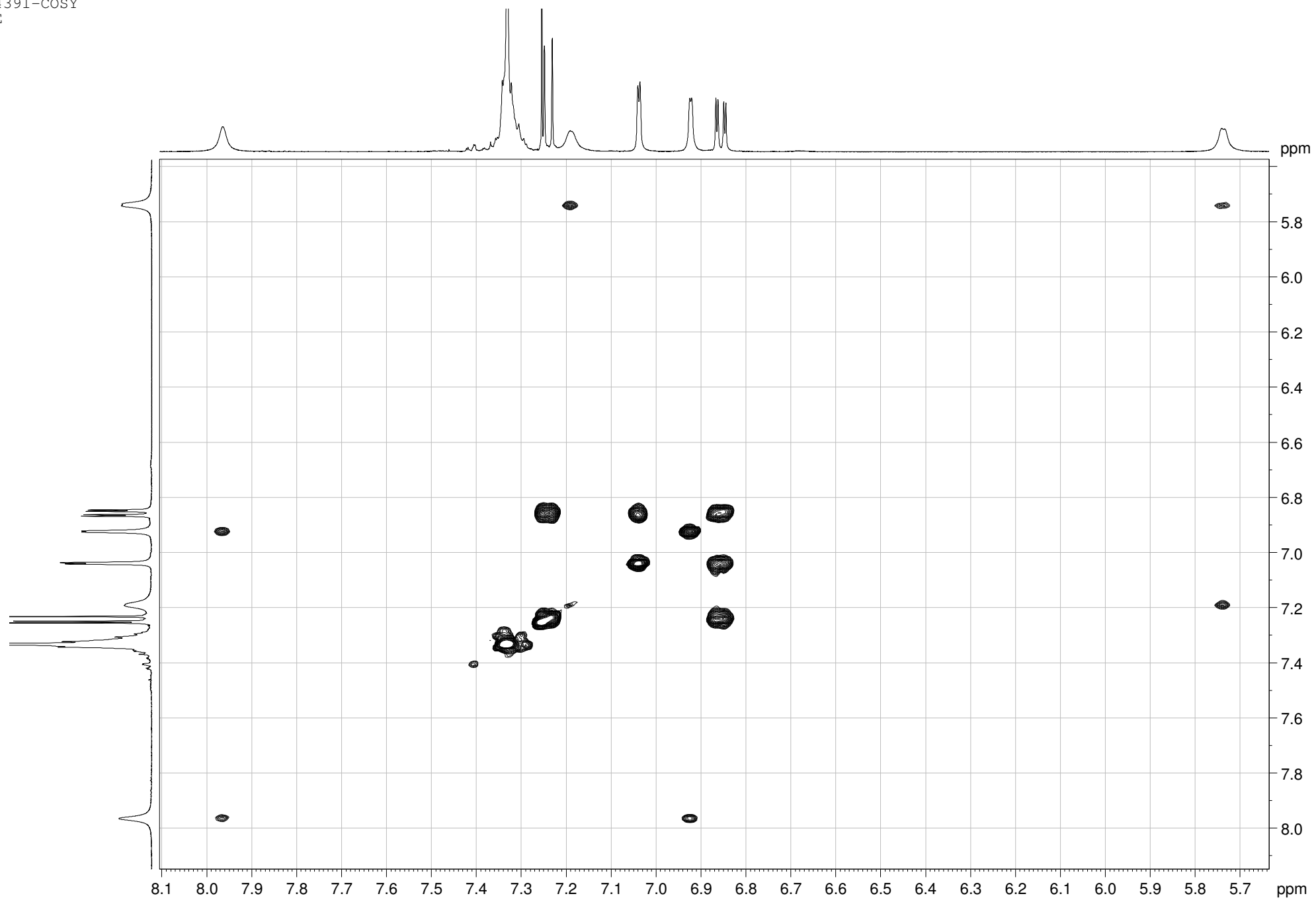
SI 2048
LB 0 Hz

F1 - Processing parameters

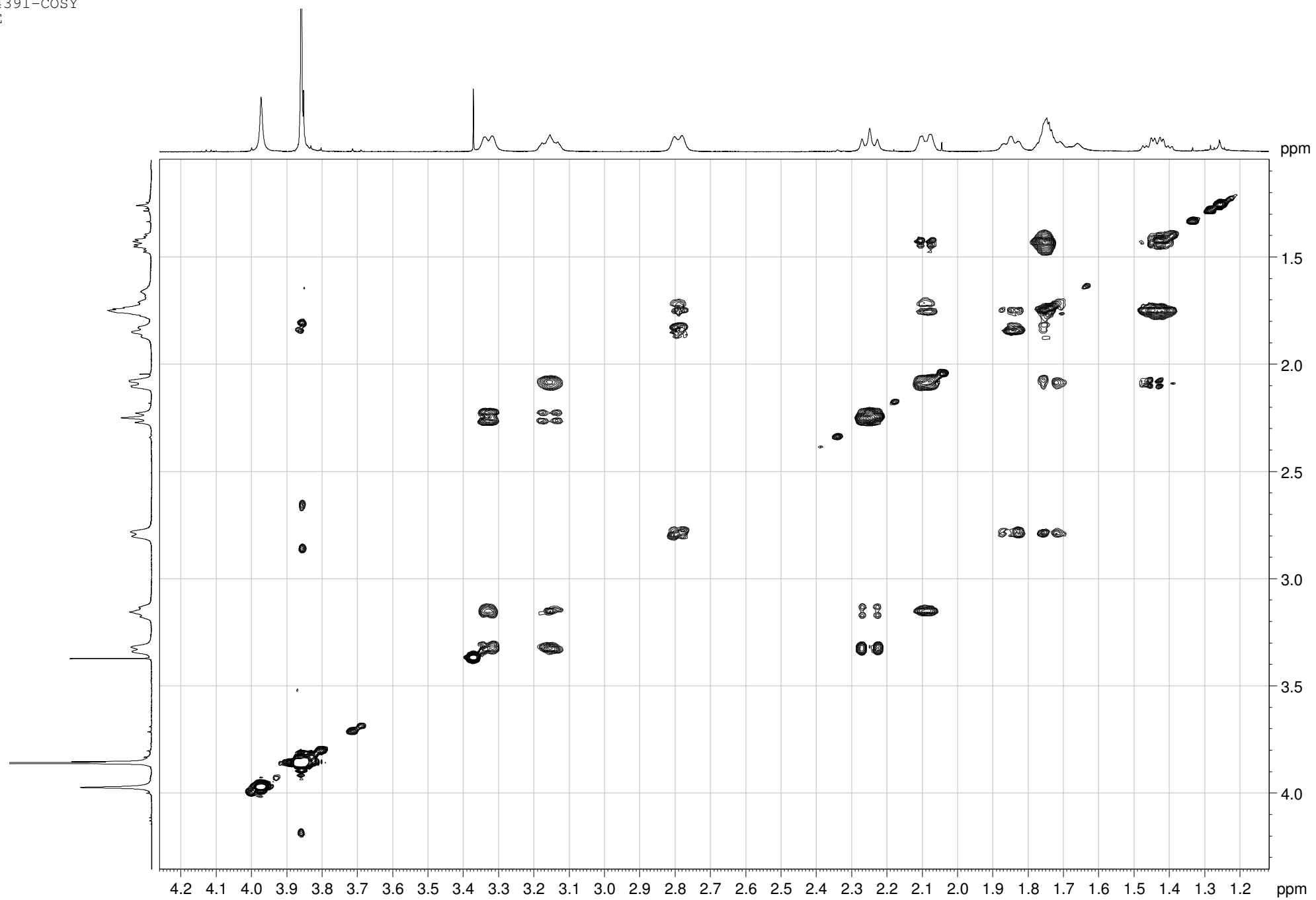
SI 1024
MC2 QF
SF 500.2000155 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0



4391-COSY
E



4391-COSY
E



4501-HSQC
E

Current Data Parameters
NAME 4501
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180124
PROBHD 5 mm CPPBBO BB
PULPROG hsqcedetgpsisp2.3
SOLVENT CDC13
TE 298.2 K
SWH 5319.149 Hz
AQ 0.1925120 sec
NS 1
FIDRES 2.597241 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

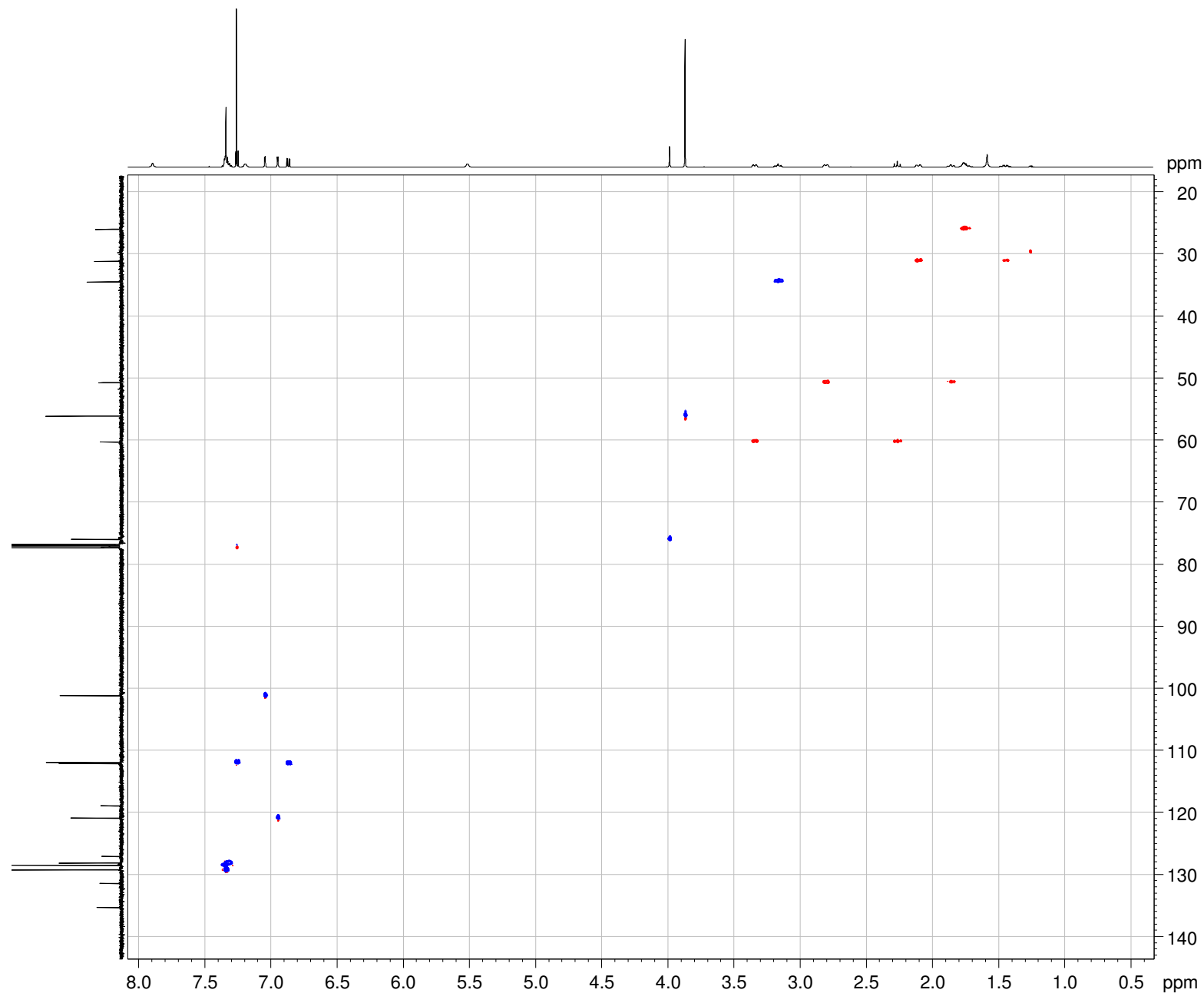
===== CHANNEL f1 =====
SFO1 500.2021450 MHz
NUC1 1H
P1 11.30 usec
P2 22.60 usec
P28 0 usec
PLW1 13.69999981 W

===== CHANNEL f2 =====
SFO2 125.7879585 MHz
NUC2 13C
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 55.00000000 W
PLW12 1.30180001 W

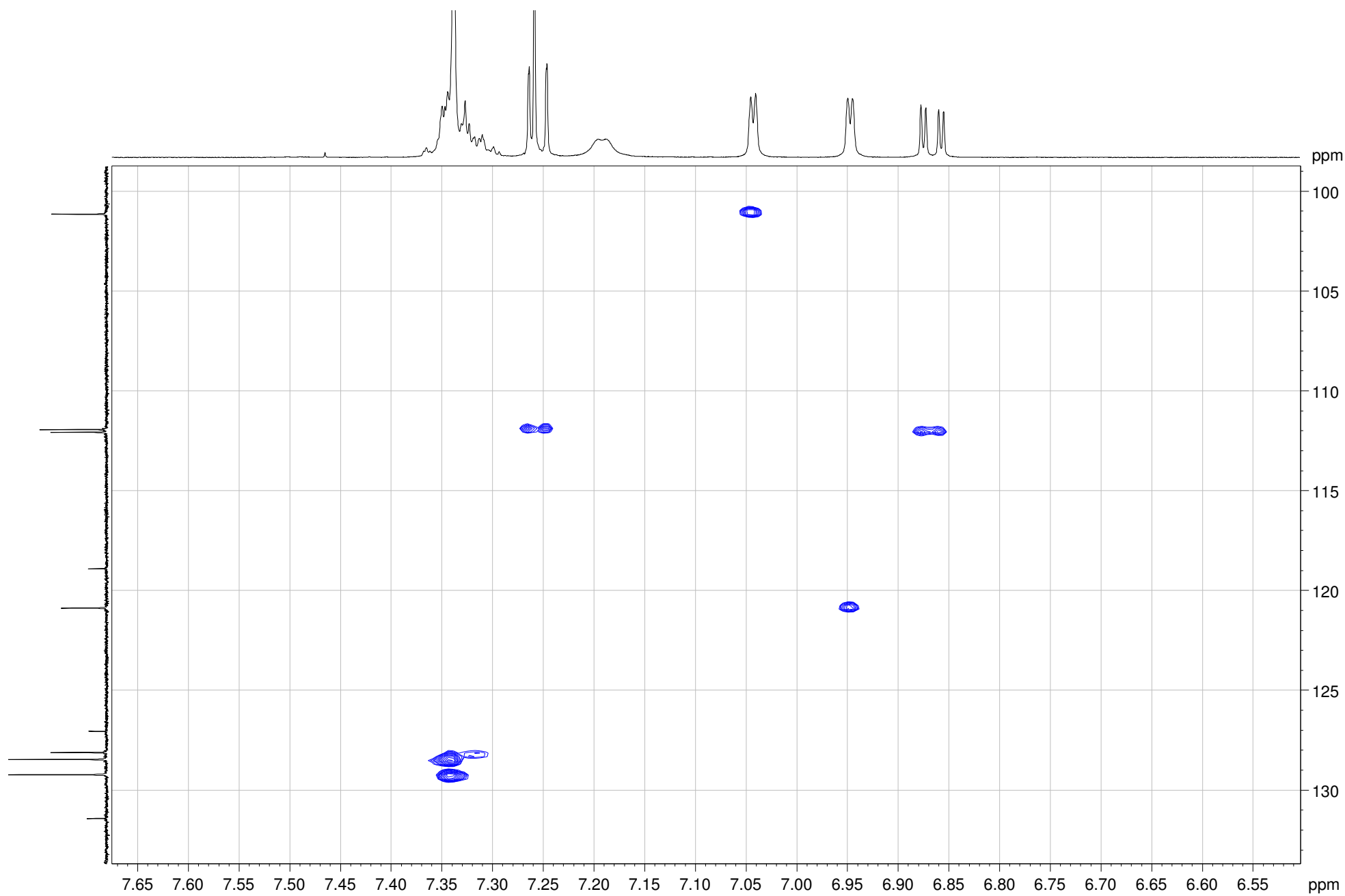
===== GRADIENT CHANNEL =====
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 128
SFO1 125.788 MHz
FIDRES 185.130325 Hz
SW 188.386 ppm
FnMODE Echo-Antiecho

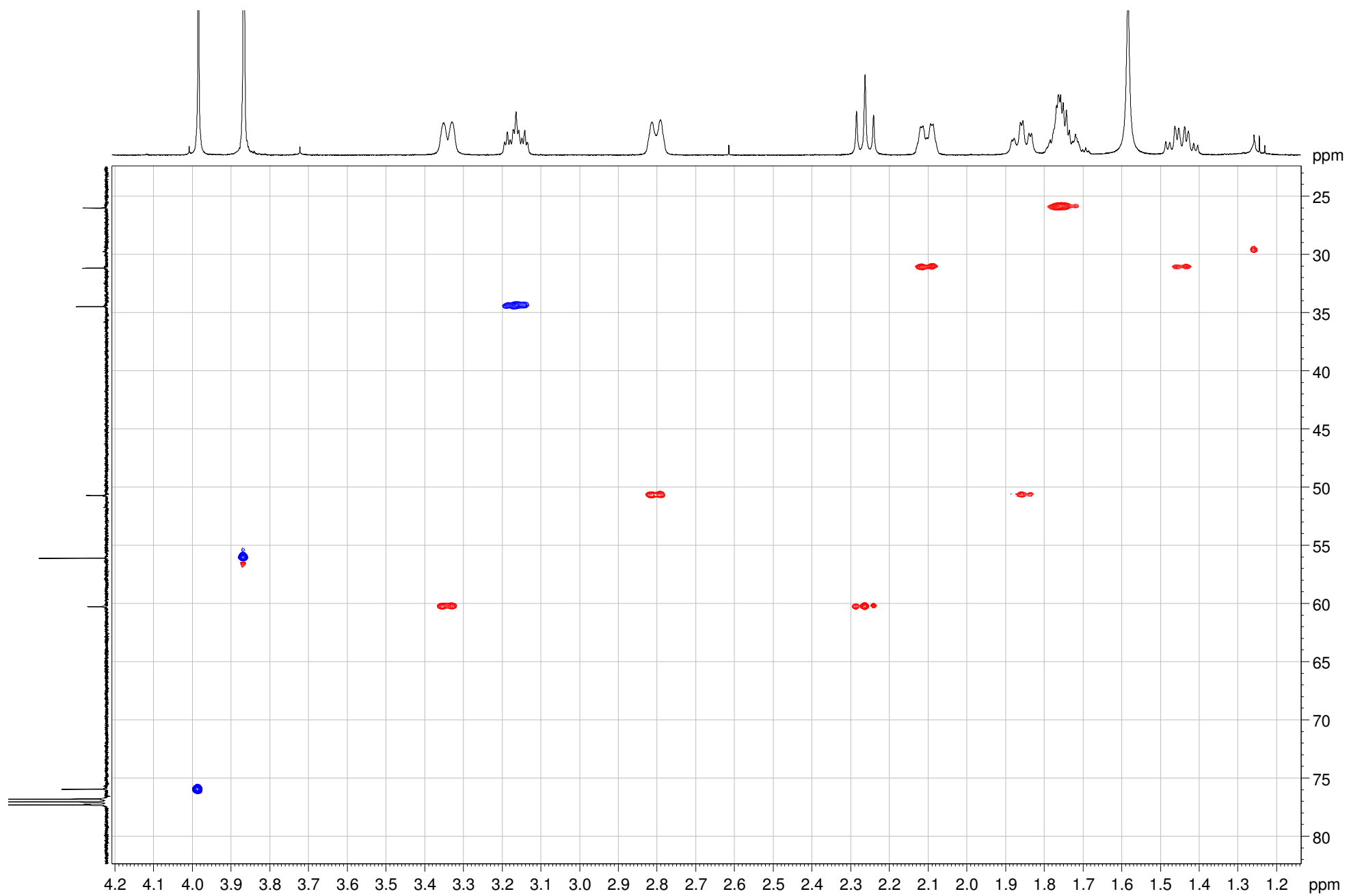
F2 - Processing parameters



4501-HSQC
E



4501-HSQC
E



(3S,2R)-9c

4363-1H

F

Current Data Parameters

NAME 4363
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

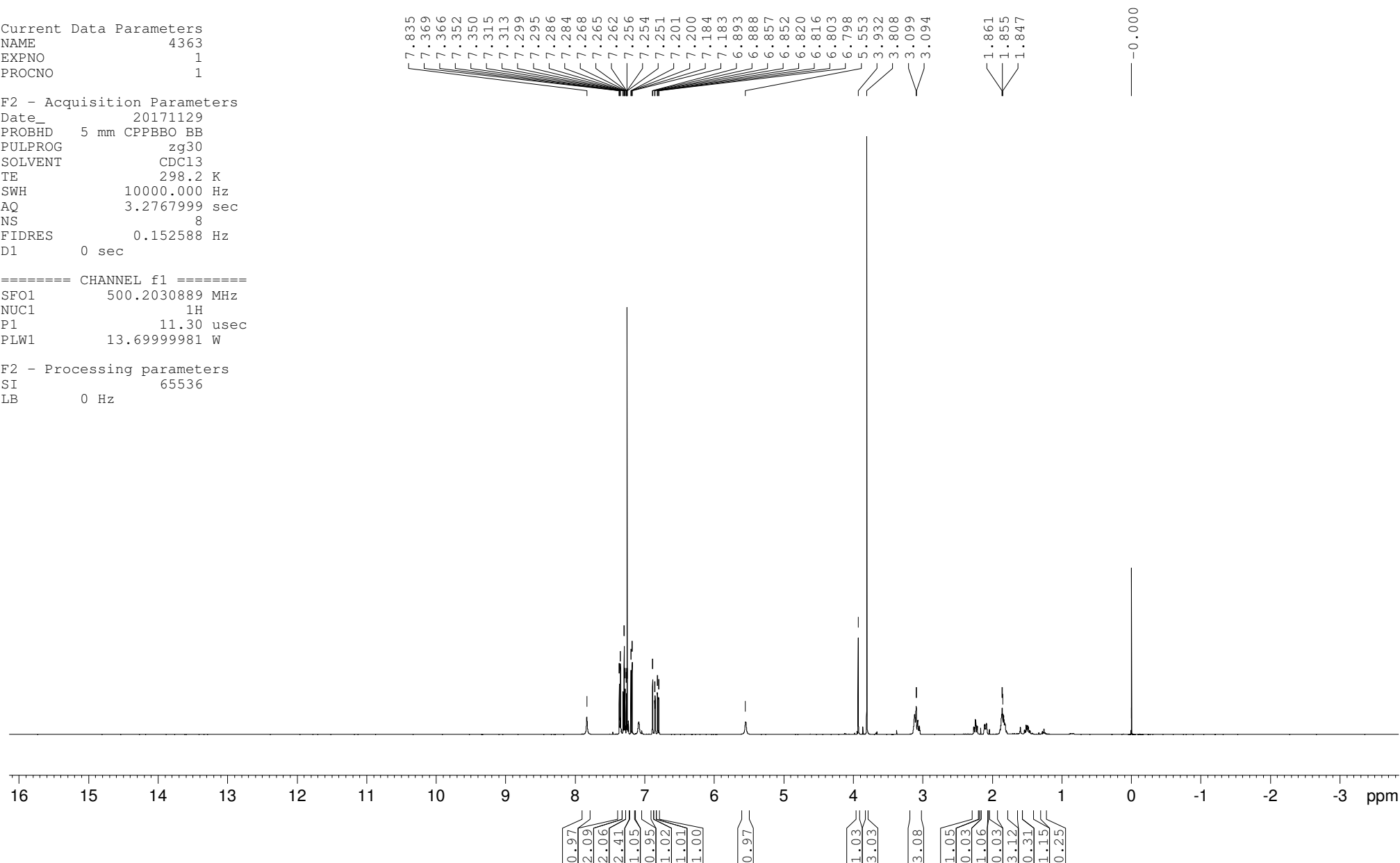
Date_ 20171129
PROBHD 5 mm CPPBBO BB
PULPROG zg30
SOLVENT CDCl3
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====

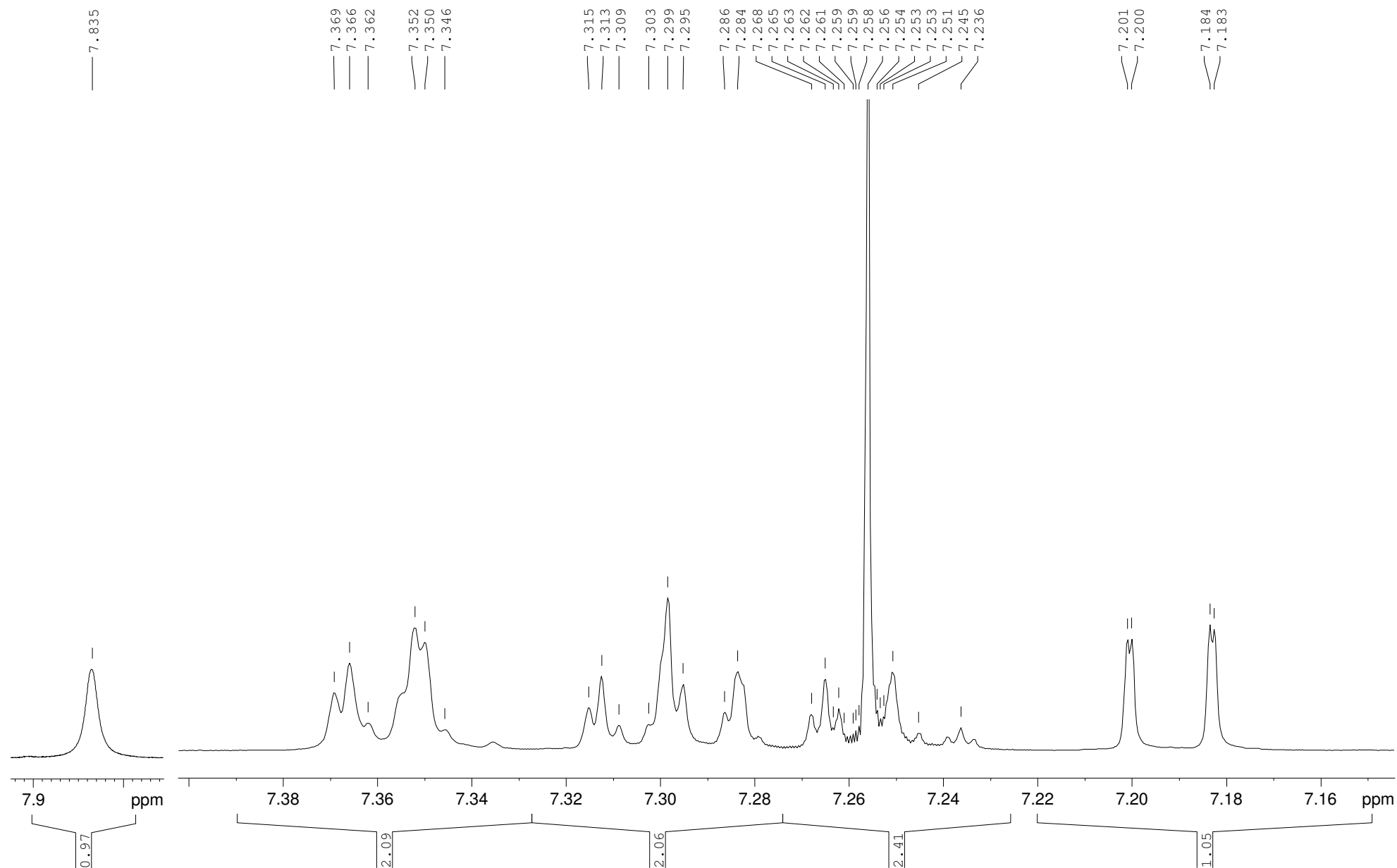
SFO1 500.2030889 MHz
NUC1 1H
P1 11.30 usec
PLW1 13.69999981 W

F2 - Processing parameters

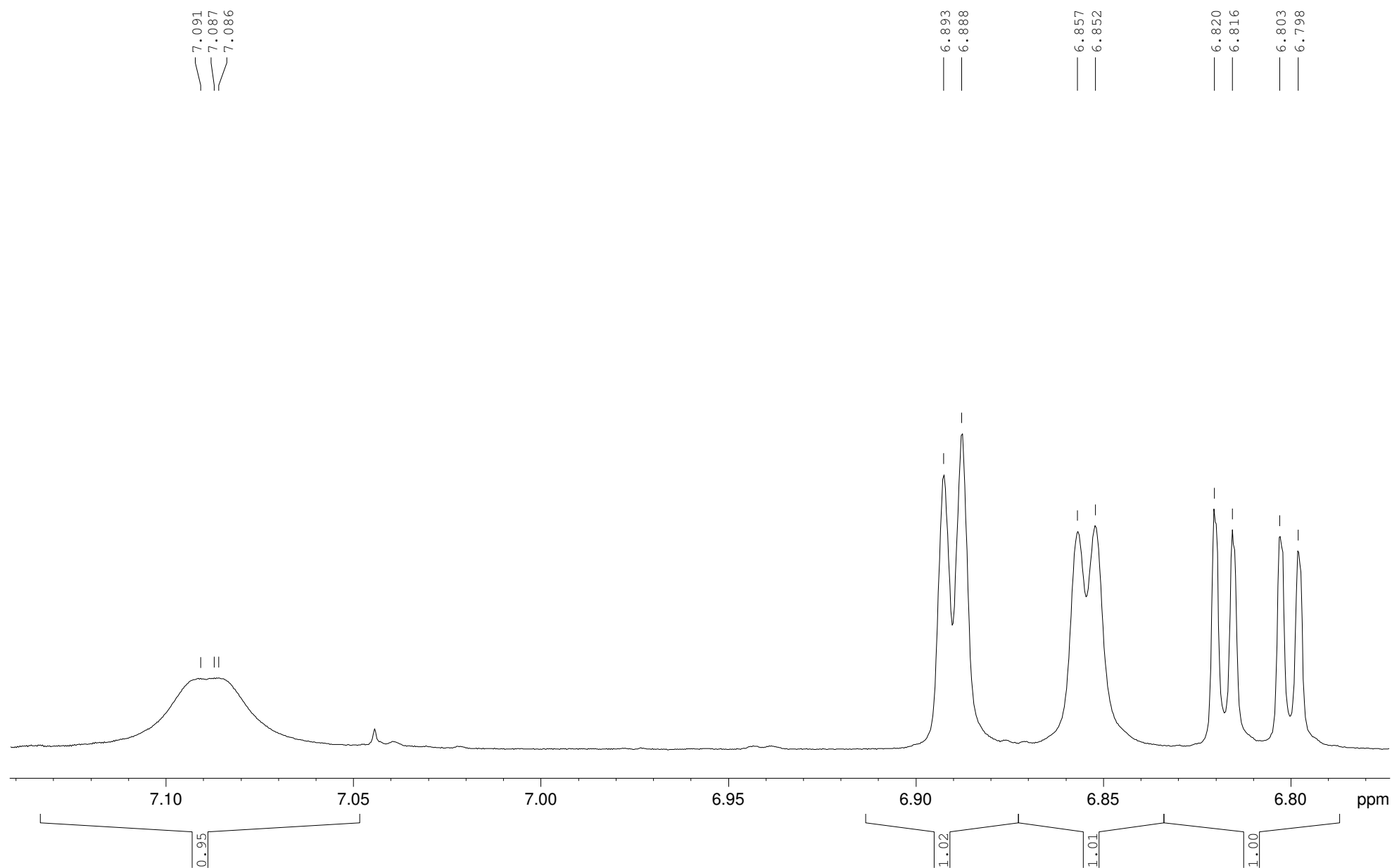
SI 65536
LB 0 Hz



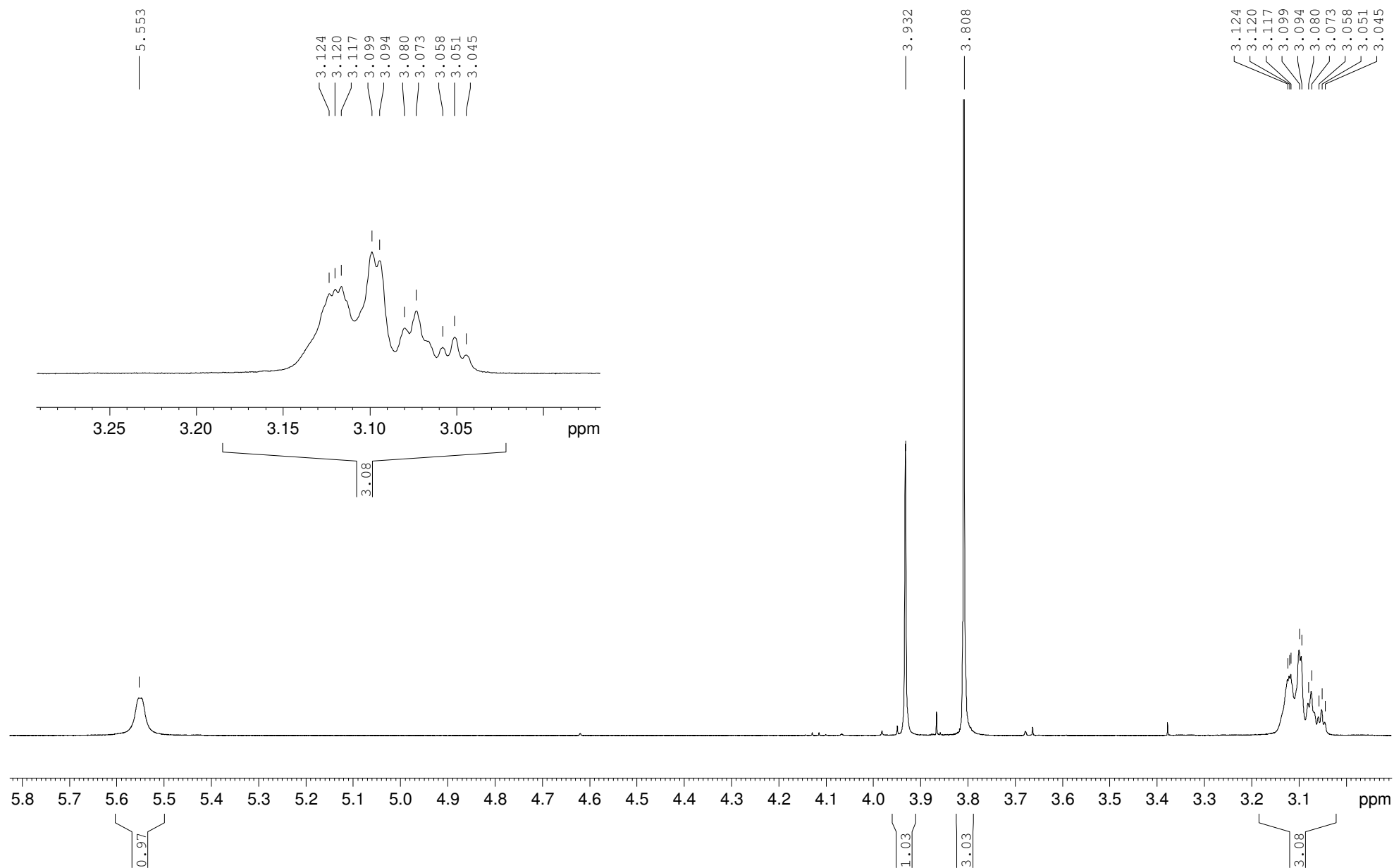
4363-1H
F



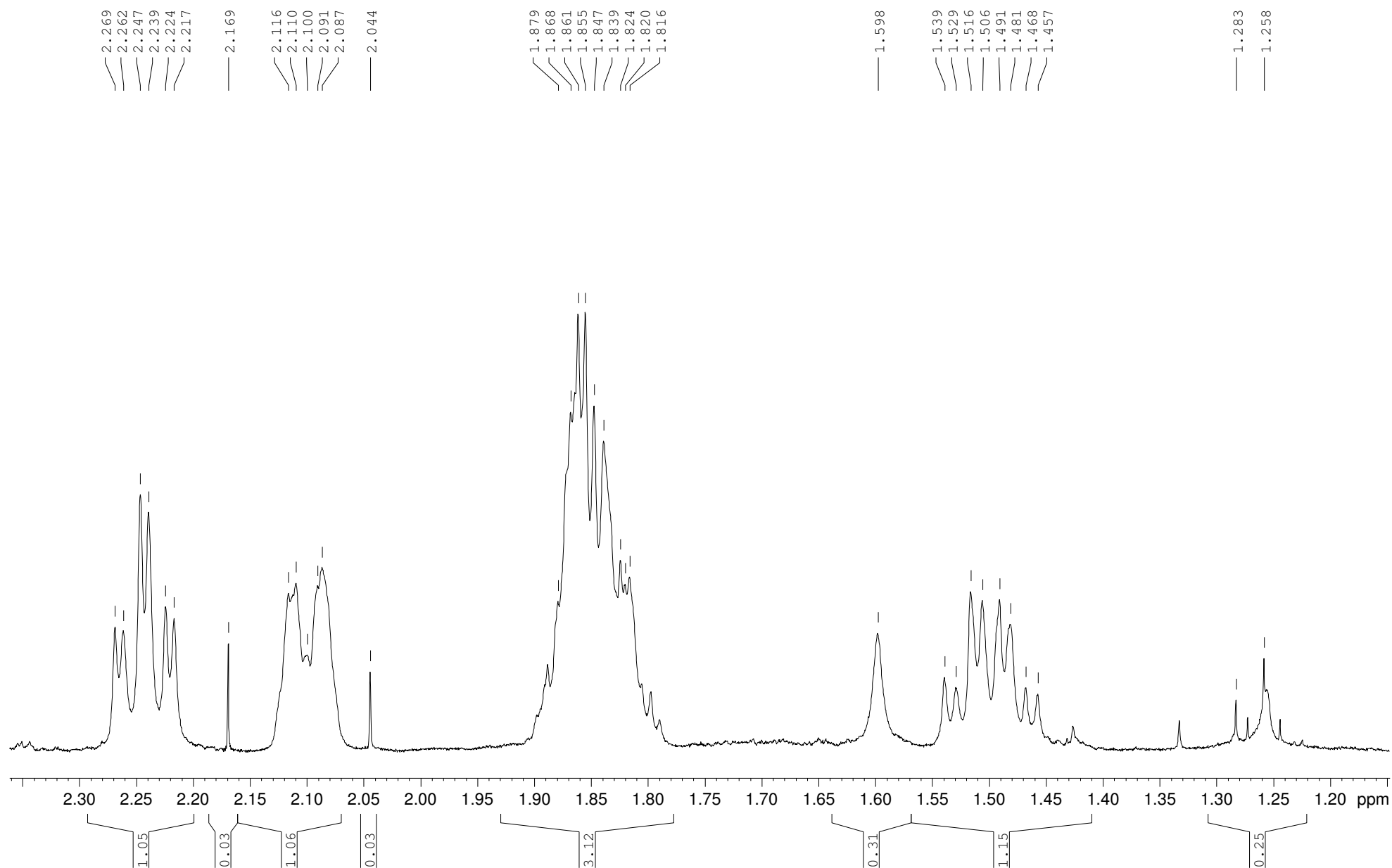
4363-1H
F



4363-1H
F



4363-1H
F



4502-13C
F

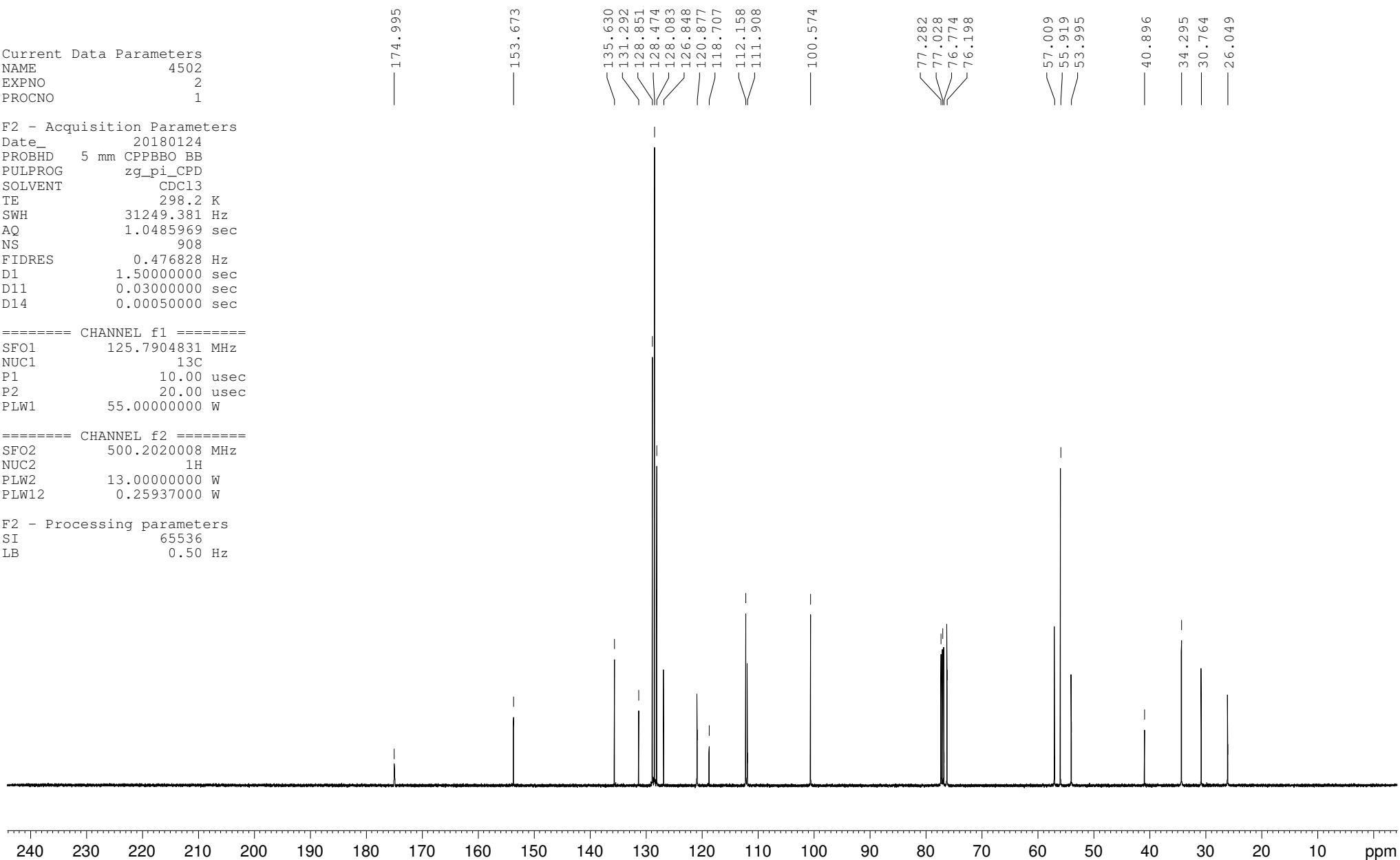
Current Data Parameters
NAME 4502
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180124
PROBHD 5 mm CPPBBO BB
PULPROG zg_pi_CPD
SOLVENT CDCl3
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 908
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

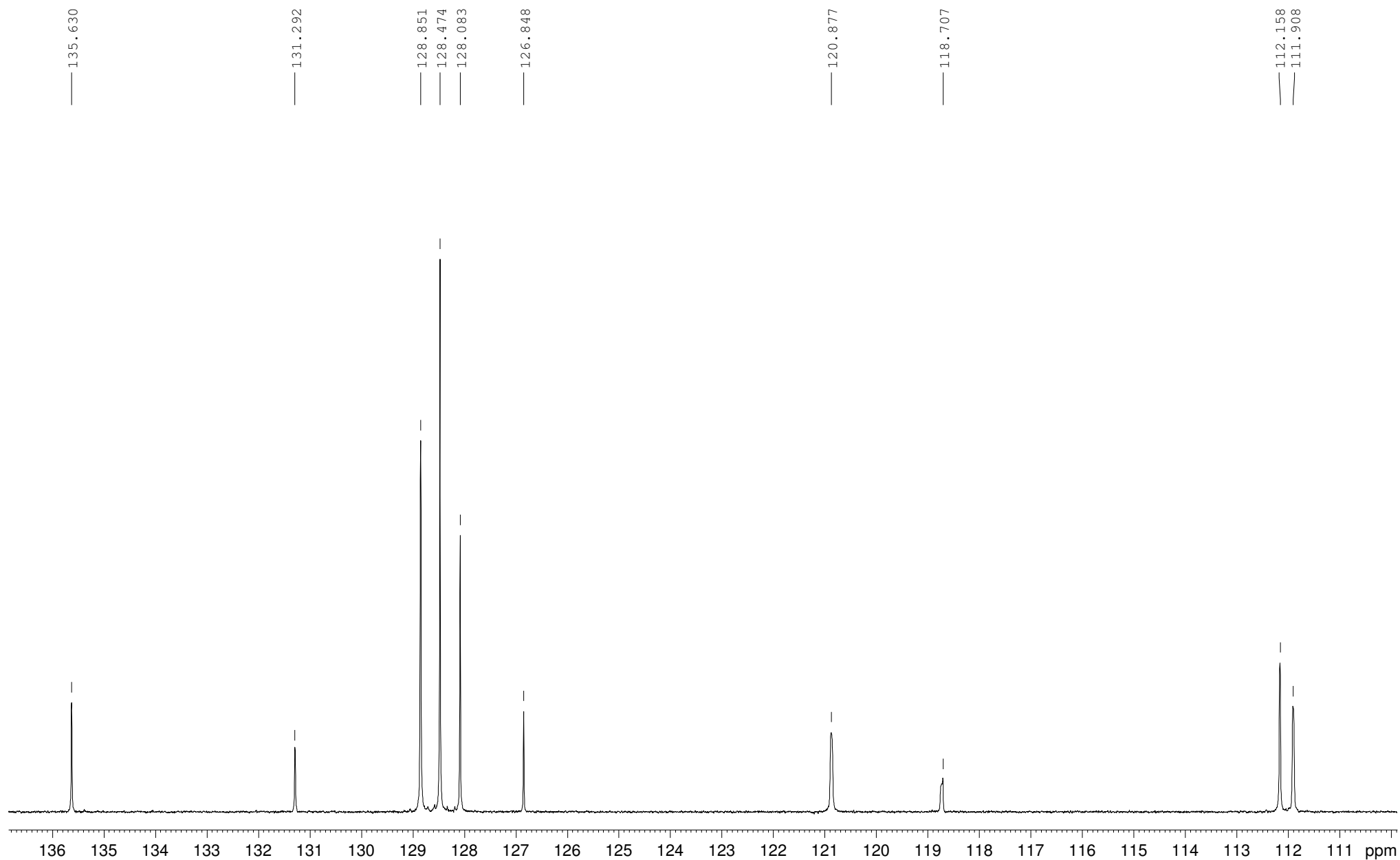
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 10.00 usec
P2 20.00 usec
PLW1 55.00000000 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 13.00000000 W
PLW12 0.25937000 W

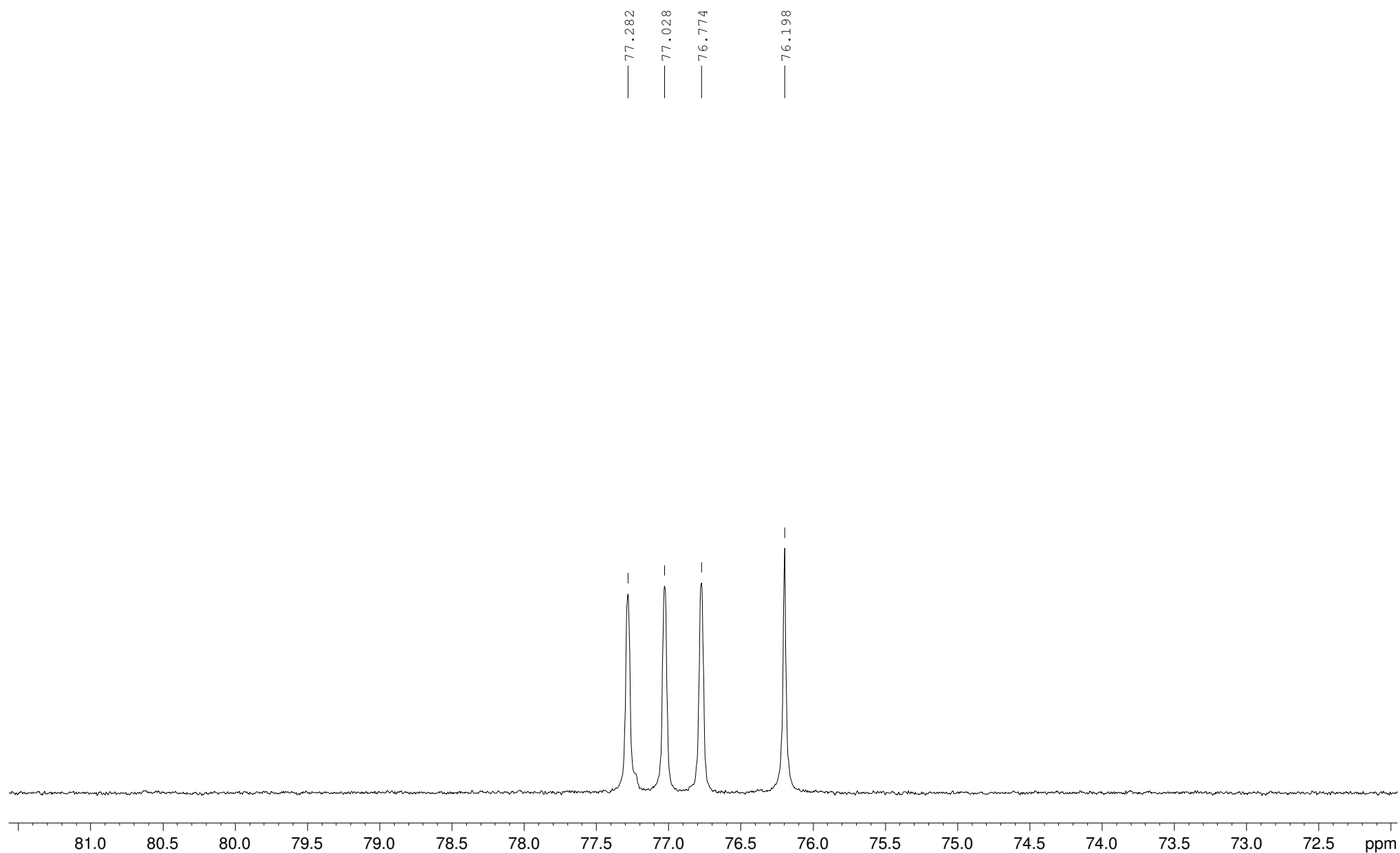
F2 - Processing parameters
SI 65536
LB 0.50 Hz



4502-13C
F



4502-13C
F



4392-COSY

F

Current Data Parameters

NAME 4392
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters

Date_ 20171214
PROBHD 5 mm CPPBBO BB
PULPROG cosygpppqf
SOLVENT CDC13
TE 298.2 K
SWH 5266.854 Hz
AQ 0.1944235 sec
NS 2
FIDRES 2.571706 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec

===== CHANNEL f1 =====

SFO1 500.2020514 MHz
NUC1 1H
P0 11.30 usec
P1 11.30 usec
P17 0 usec
PLW1 13.69999981 W
PLW10 2.58780003 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec

F1 - Acquisition parameters

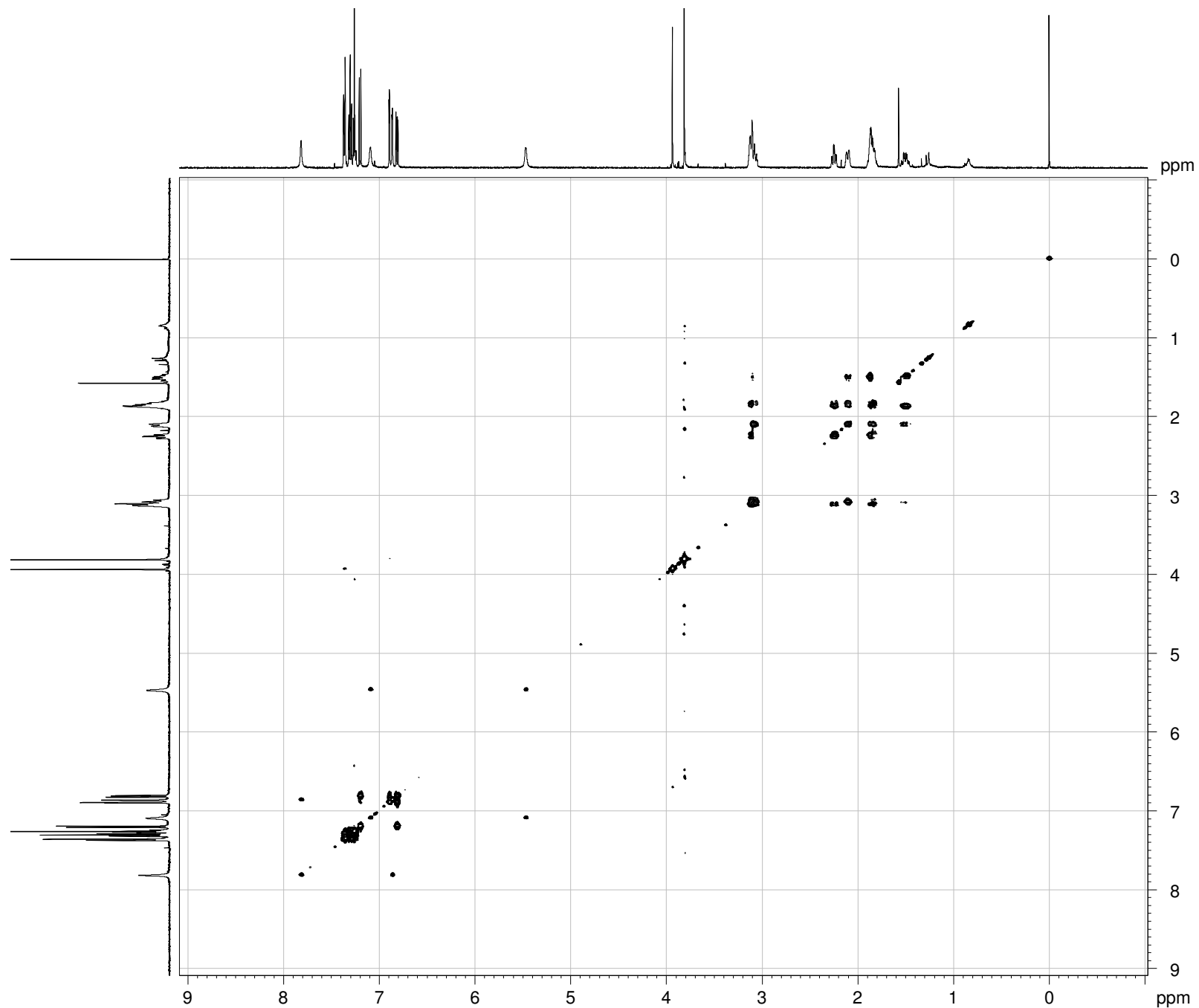
TD 128
SFO1 500.2021 MHz
FIDRES 41.161751 Hz
SW 10.533 ppm
FnMODE QF

F2 - Processing parameters

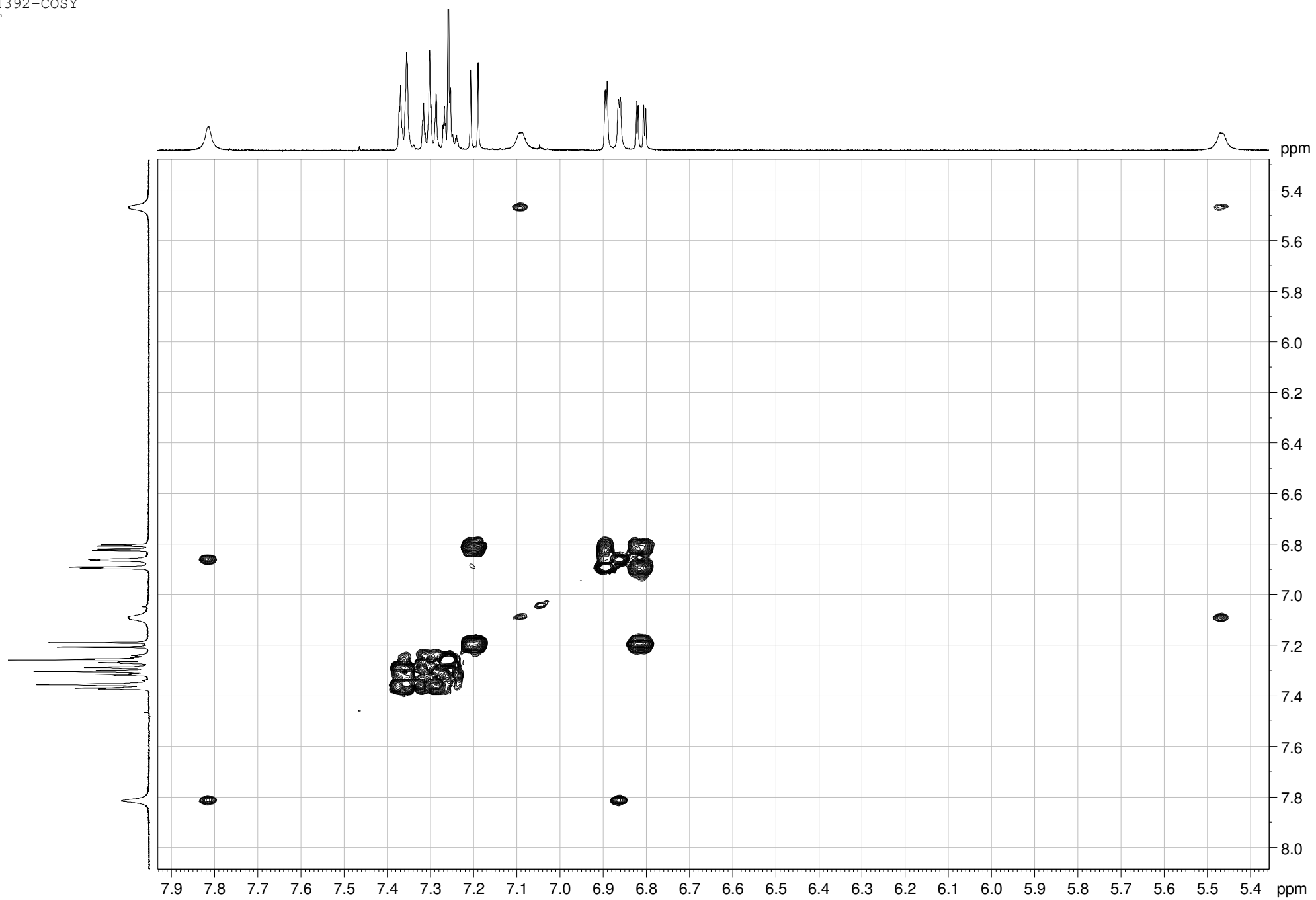
SI 2048
LB 0 Hz

F1 - Processing parameters

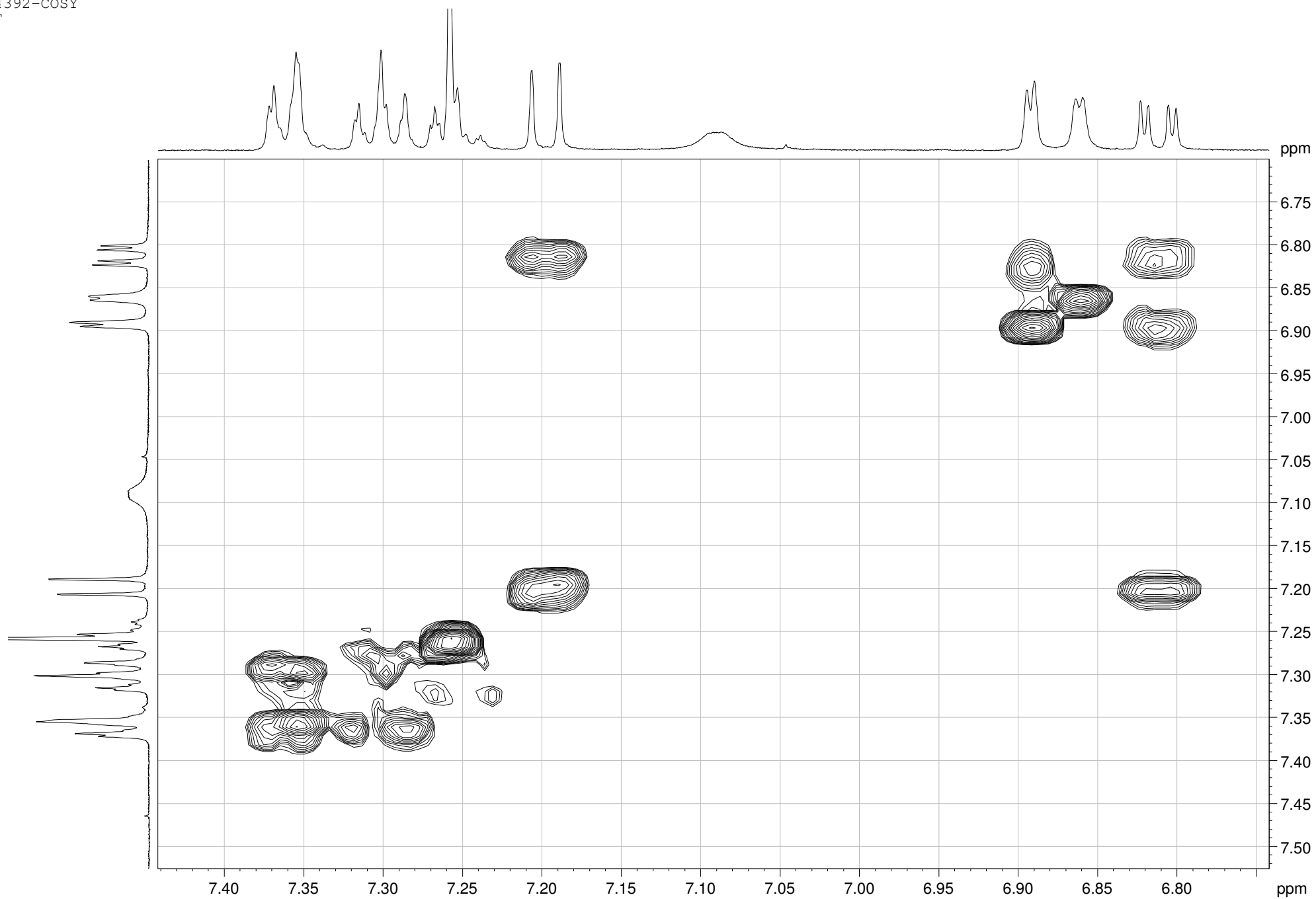
SI 1024
MC2 QF
SF 500.2000131 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0



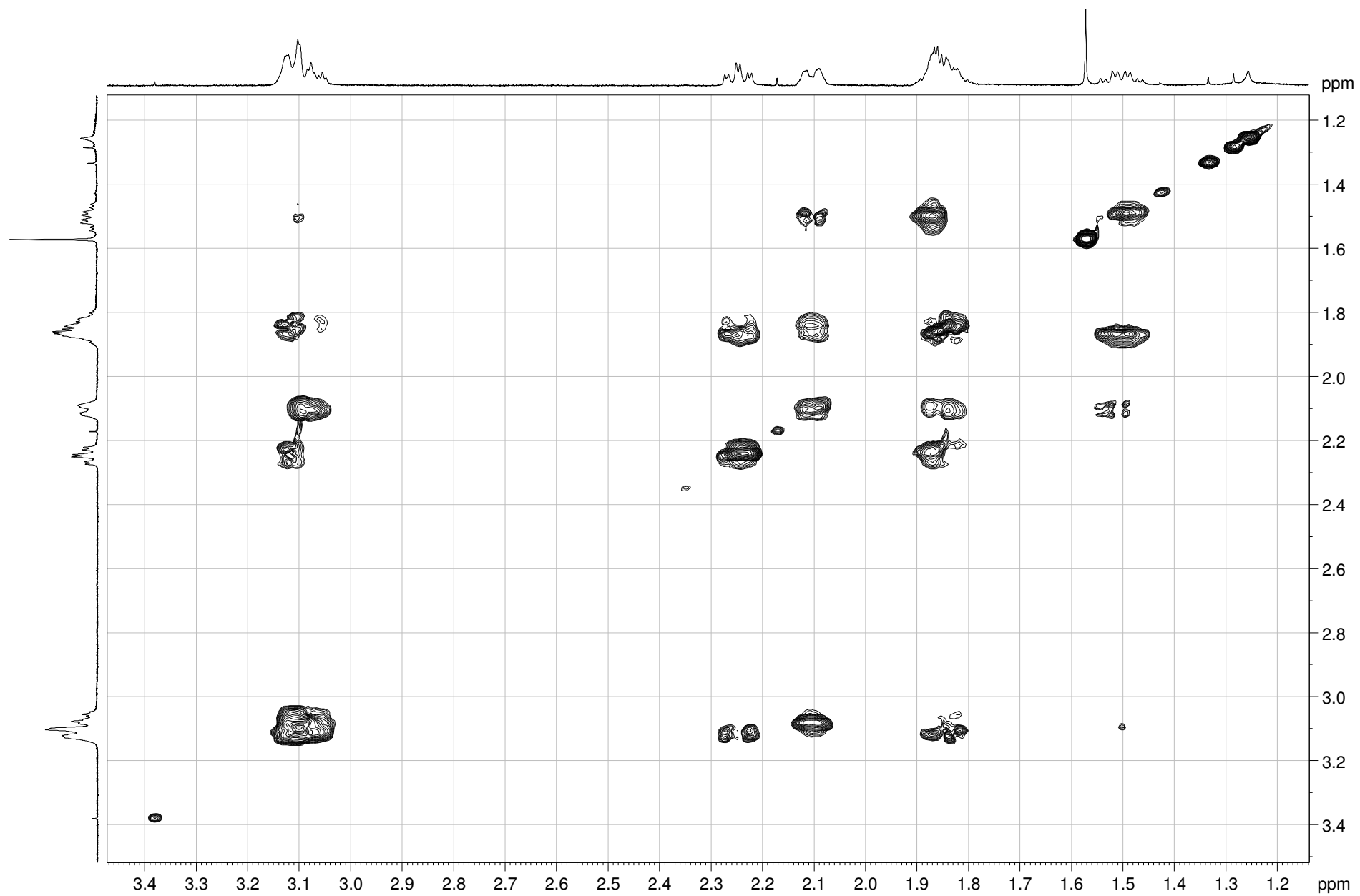
4392-COSY
F



4392-COSY
F



4392-COSY
F



4502-HSQC

F

Current Data Parameters

NAME 4502
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters

Date_ 20180124
PROBHD 5 mm CPBBO BB
PULPROG hsqcedetgpsisp2.3
SOLVENT CDCl3
TE 298.2 K
SWH 5411.255 Hz
AQ 0.1892352 sec
NS 1
FIDRES 2.642215 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

===== CHANNEL f1 =====

SFO1 500.2021794 MHz
NUC1 1H
P1 11.30 usec
P2 22.60 usec
P28 0 usec
PLW1 13.69999981 W

===== CHANNEL f2 =====

SFO2 125.7881799 MHz
NUC2 13C
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 55.00000000 W
PLW12 1.30180001 W

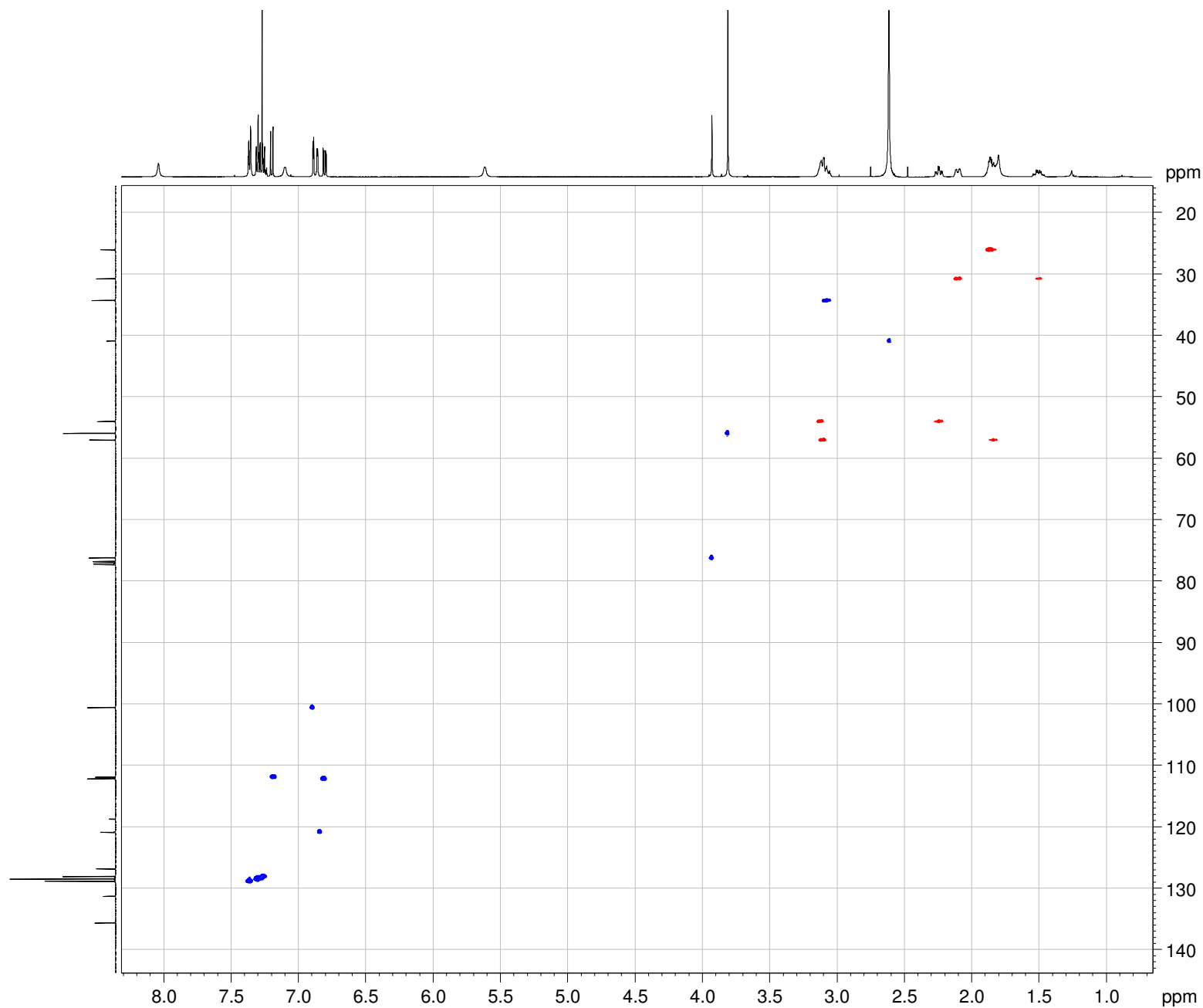
===== GRADIENT CHANNEL =====

P16 1000.00 usec
P19 600.00 usec

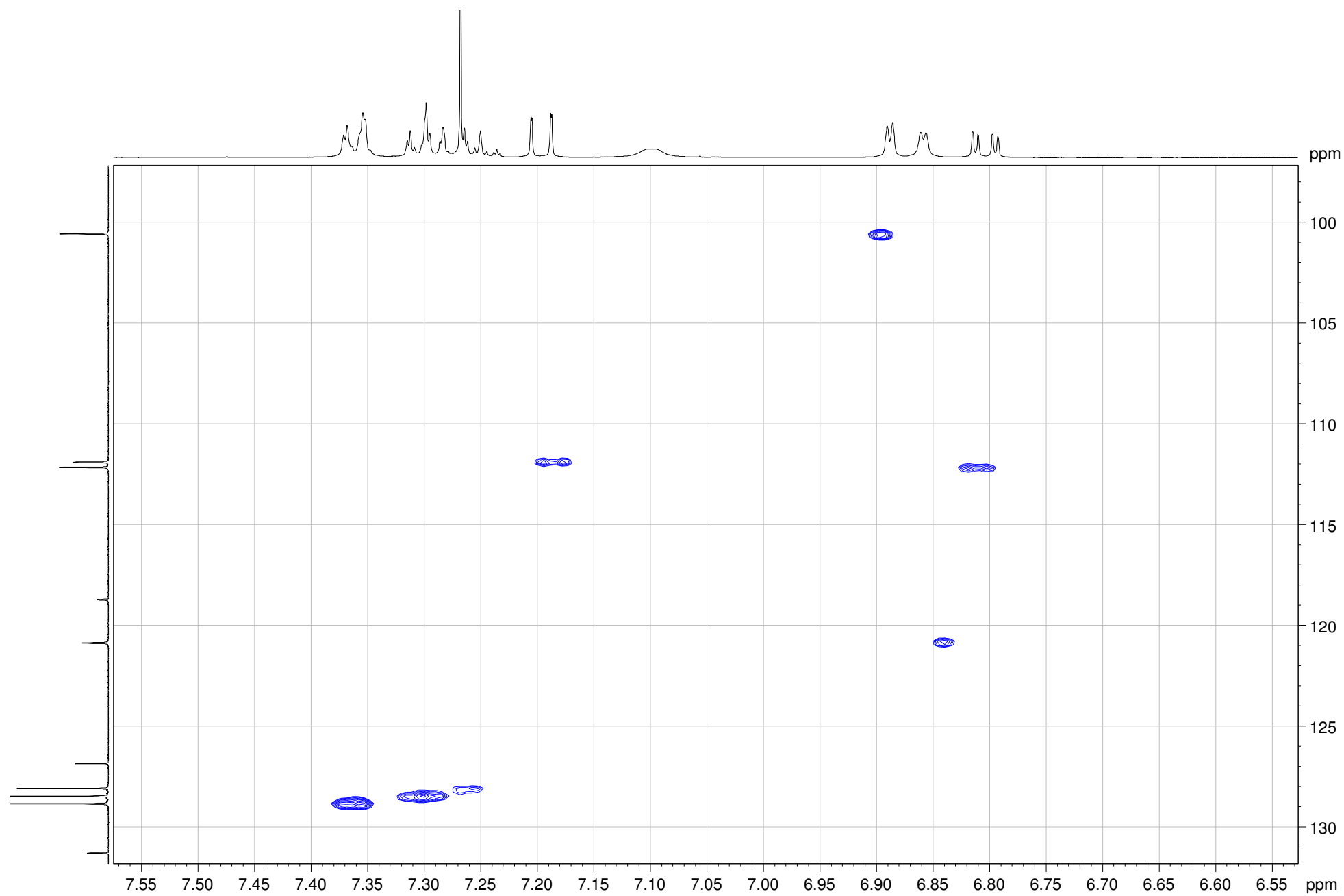
F1 - Acquisition parameters

TD 128
SFO1 125.7882 MHz
FIDRES 188.707733 Hz
SW 192.026 ppm
FnMODE Echo-Antiecho

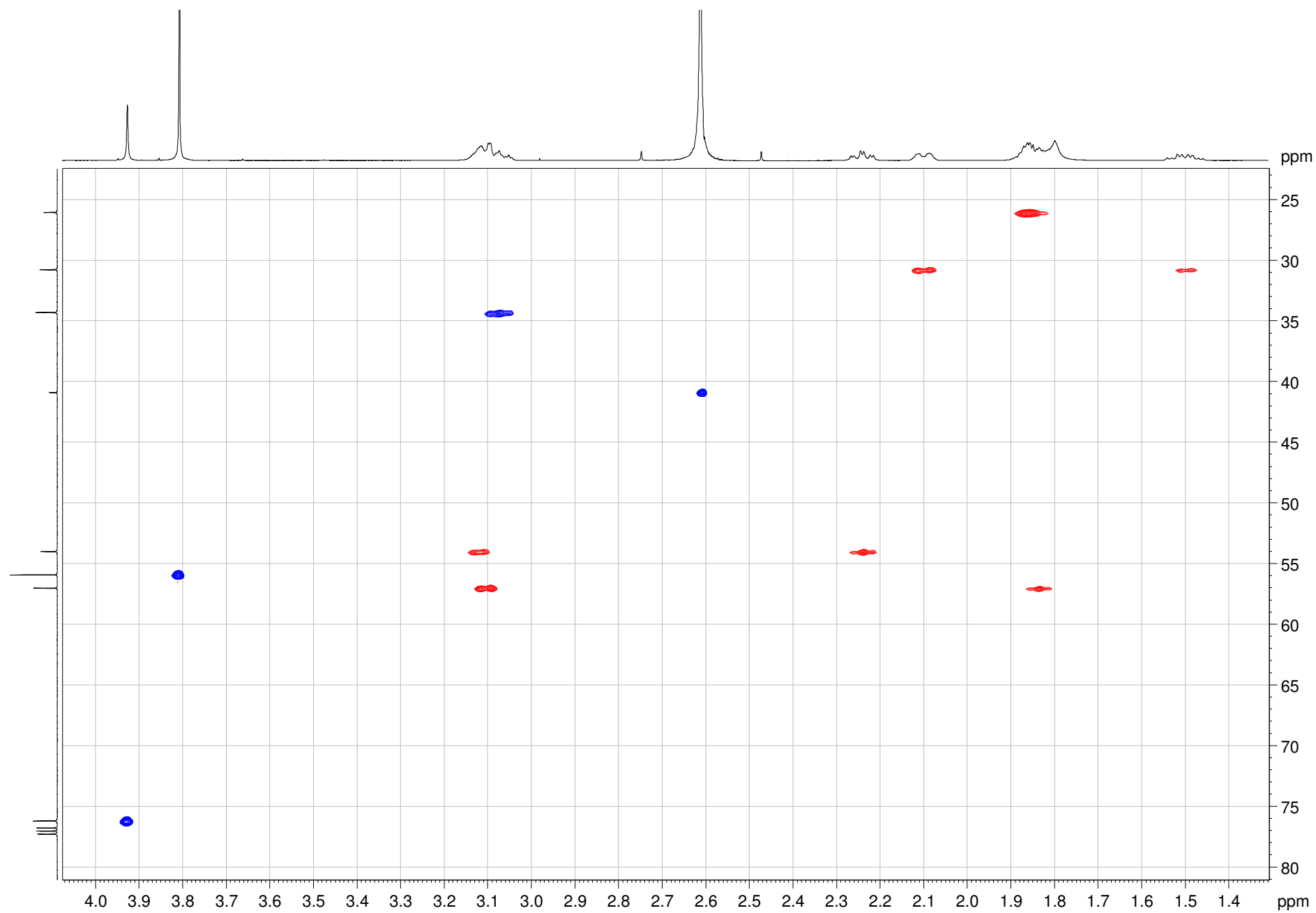
F2 - Processing parameters



4502-HSQC
F



4502-HSQC
F



(R)-10a

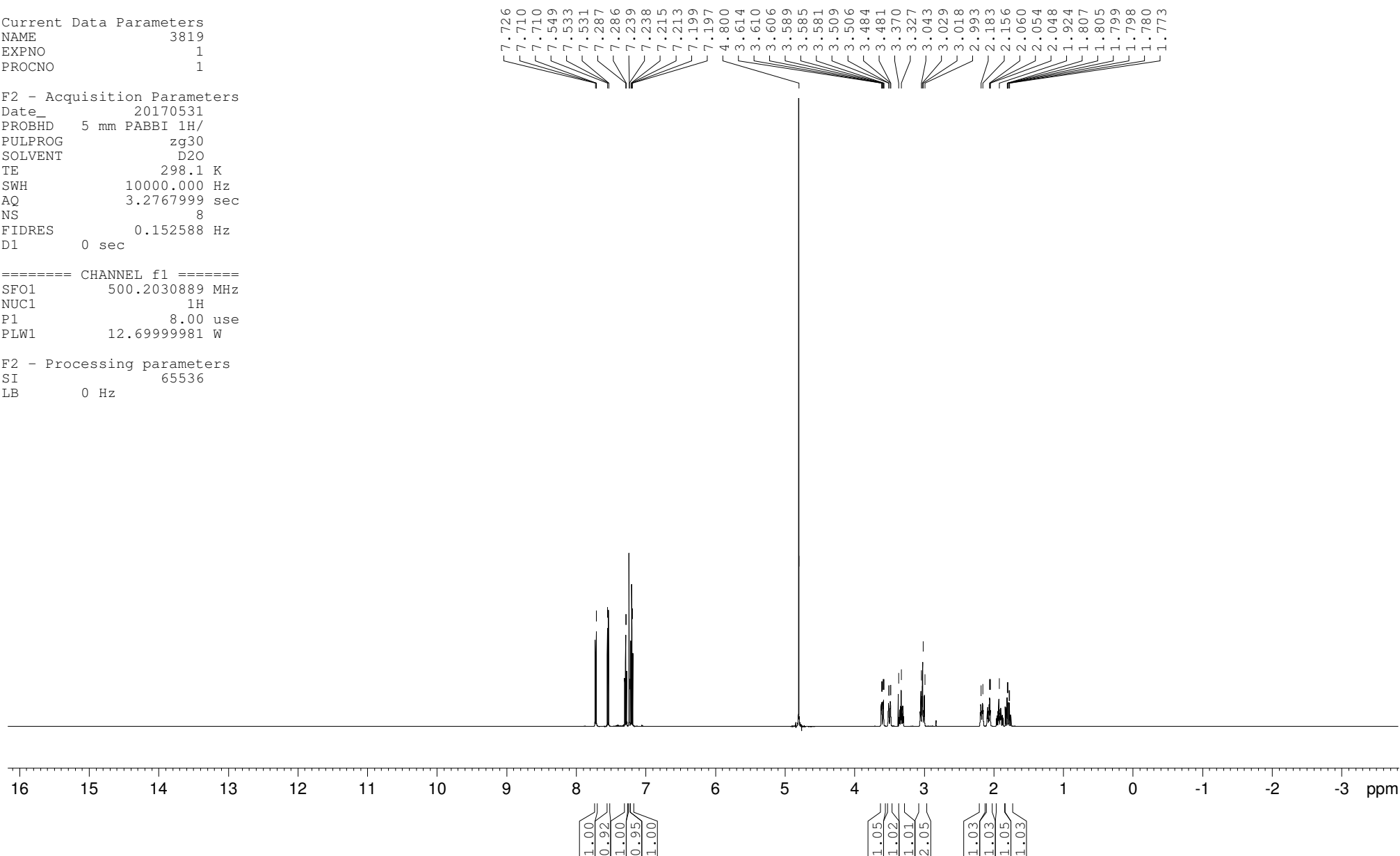
3819-1H
(-)A x HCl

Current Data Parameters
NAME 3819
EXPNO 1
PROCNO 1

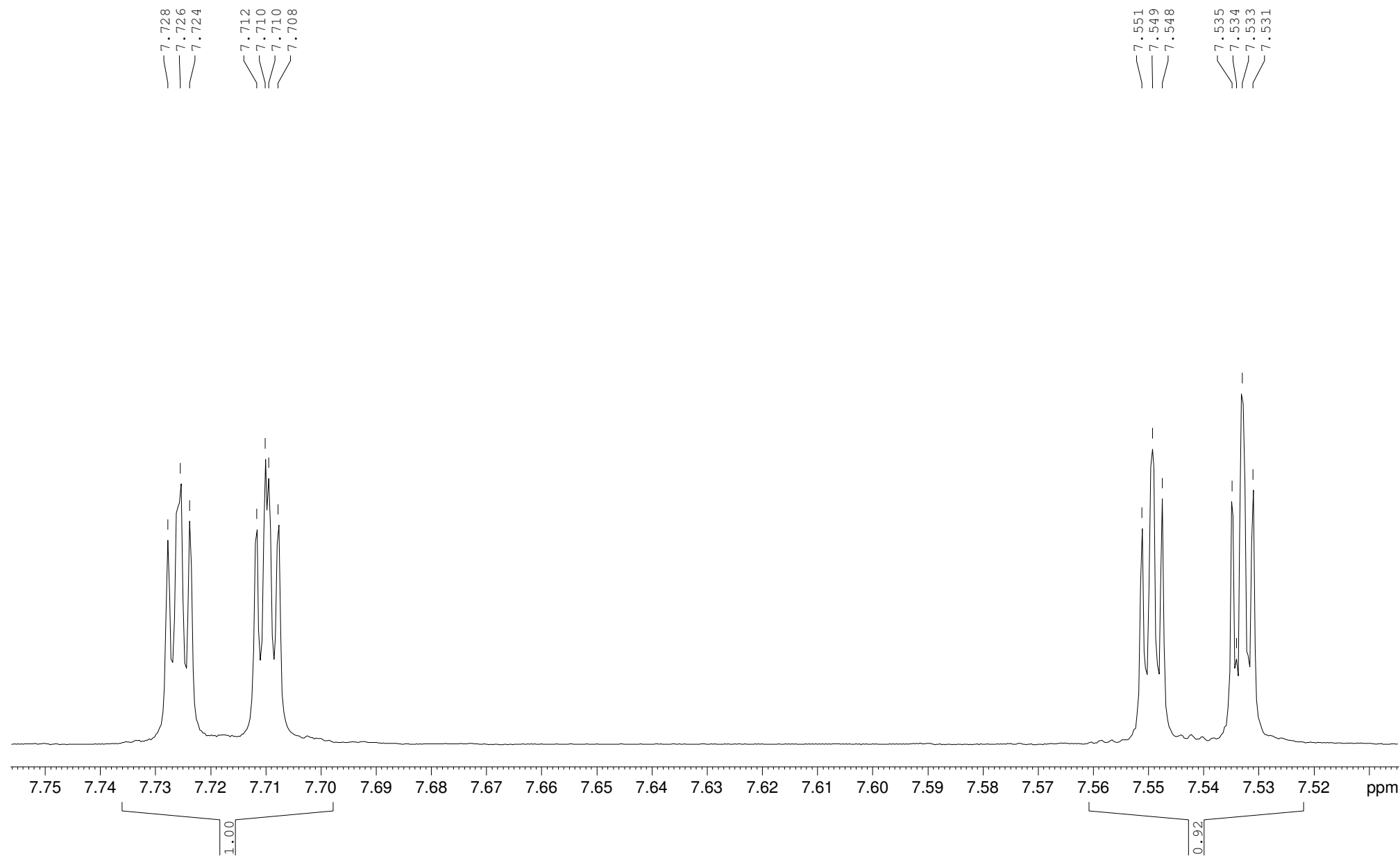
F2 - Acquisition Parameters
Date_ 20170531
PROBHD 5 mm PABBI 1H/
PULPROG zg30
SOLVENT D2O
TE 298.1 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 8.00 use
PLW1 12.69999981 W

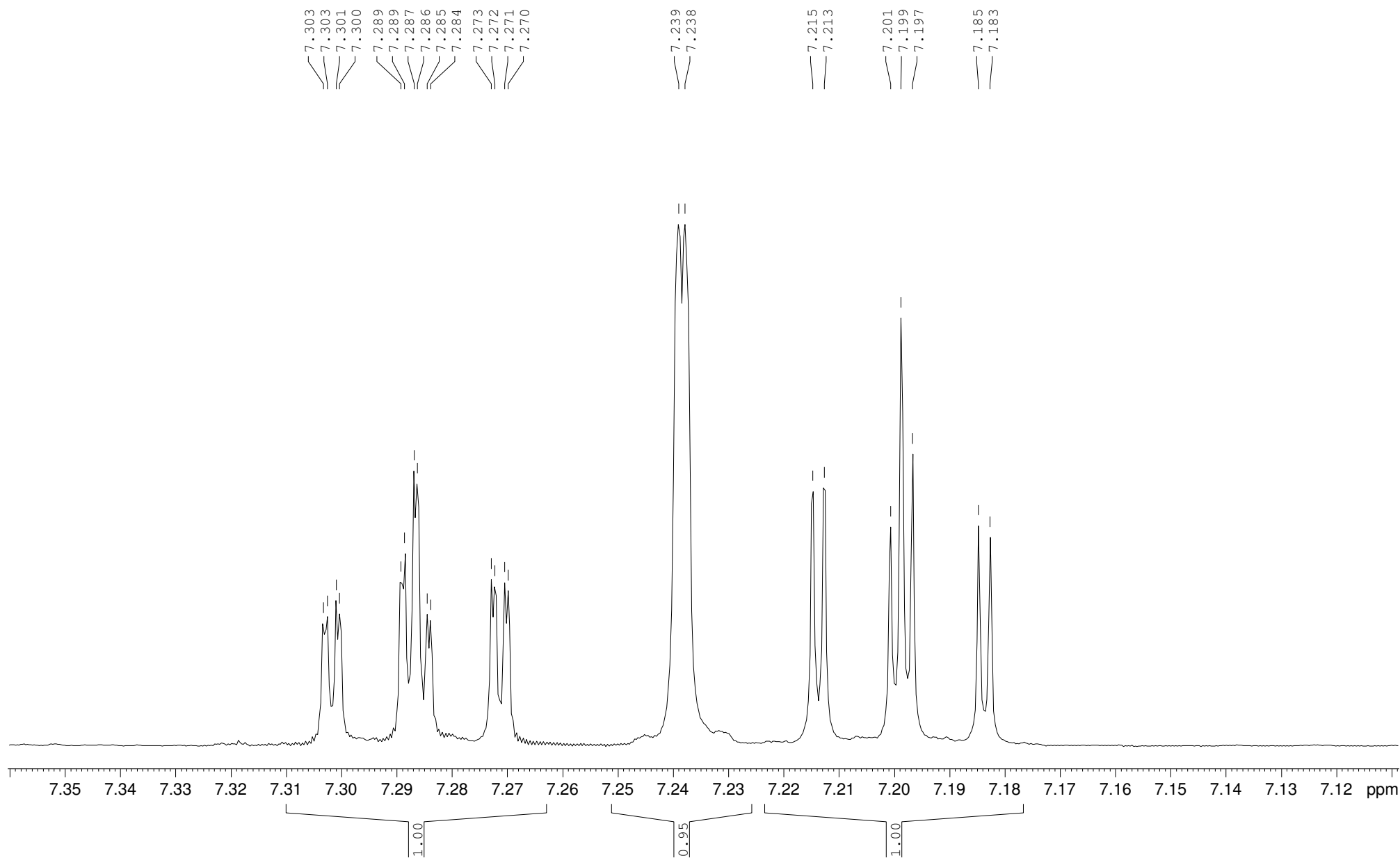
F2 - Processing parameters
SI 65536
LB 0 Hz



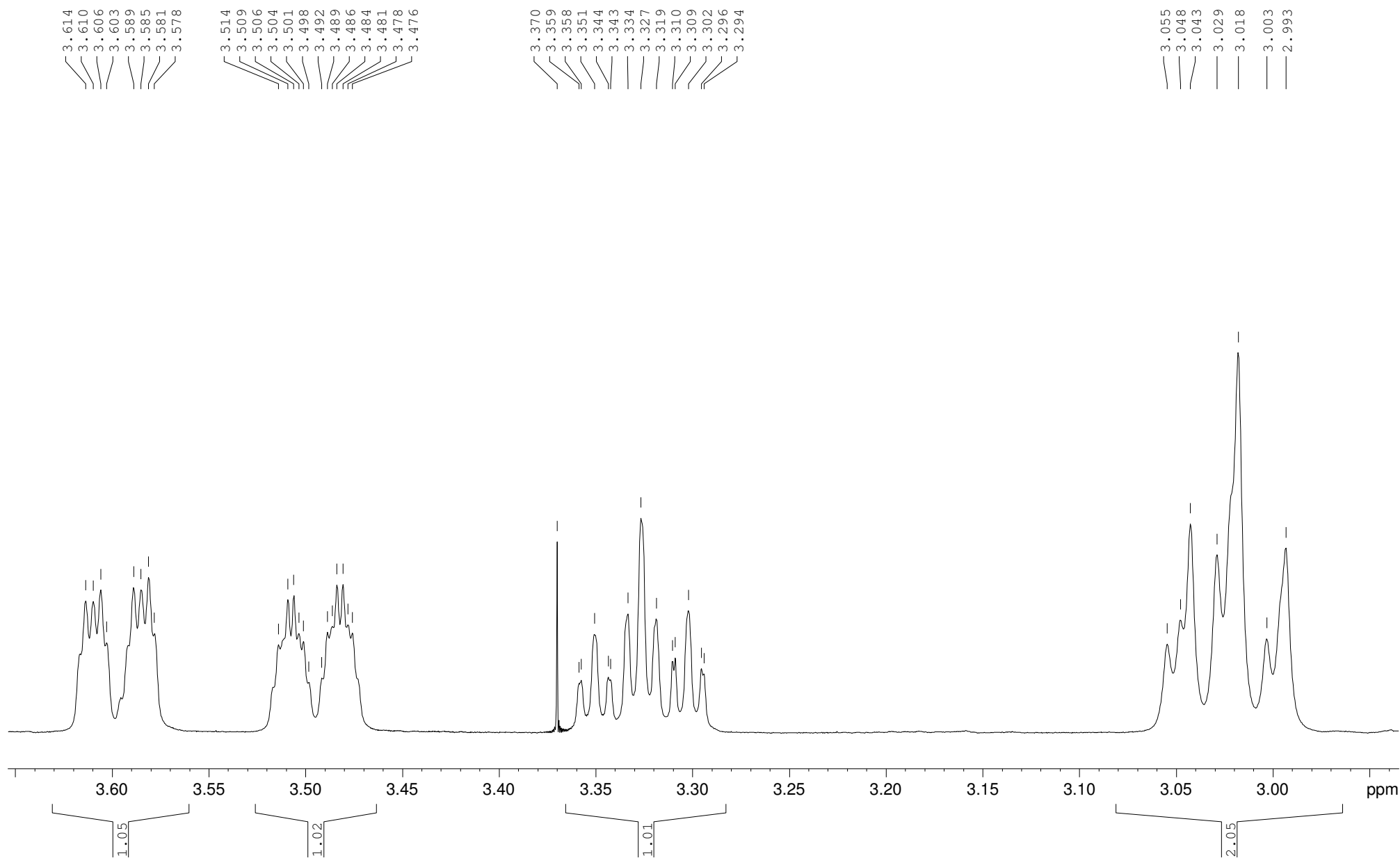
3819-1H
(-)A x HCl



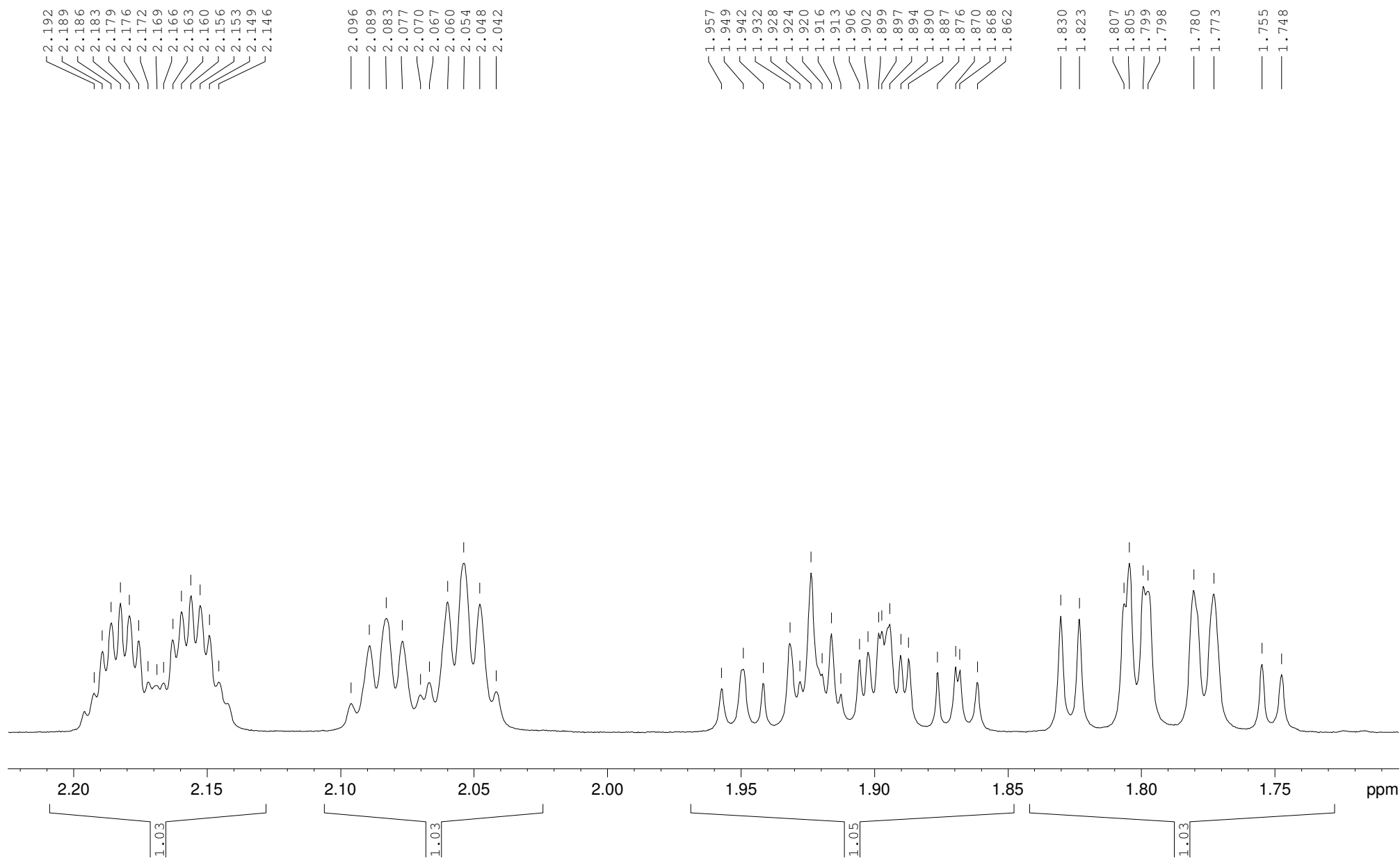
3819-1H
(-)A x HCl



3819-1H
(-)A x HCl



3819-1H
(-)A x HCl



(S)-11a

3704-1H
I

$[\alpha]_D^{25} = +0.03^\circ$ B(+) optically active pure (R)
10 mg / mL MeOH

Current Data Parameters
NAME 3704
EXPNO 11
PROCNO 1

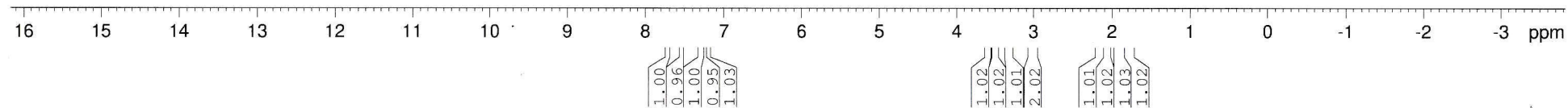
F2 - Acquisition Parameters
Date_ 20170426
PROBHD 5 mm PABBI 1H/
PULPROG zg30
SOLVENT D2O
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 8.00 use
PLW1 12.69999981 W

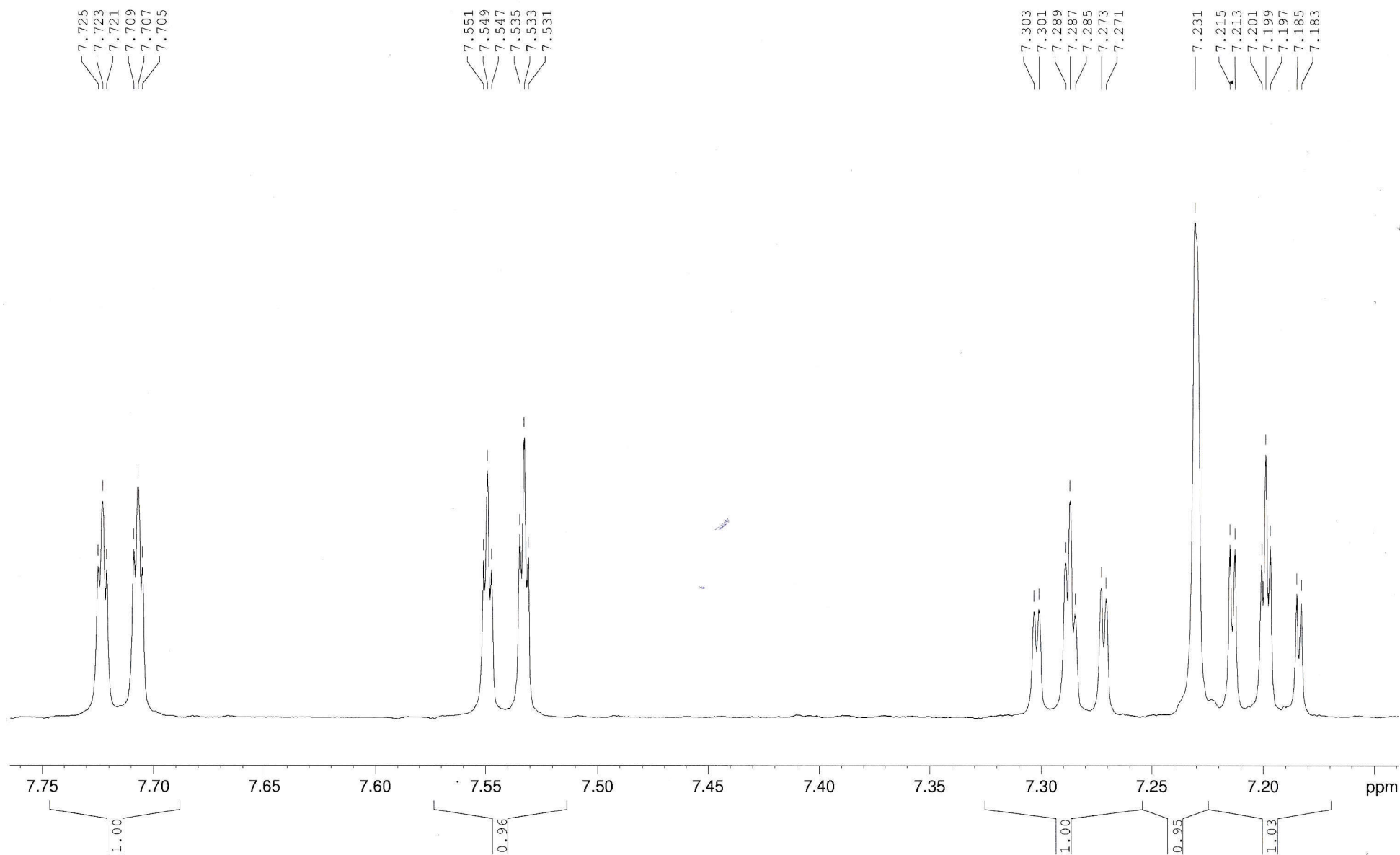
F2 - Processing parameters
SI 65536
LB 0 Hz

7.723
7.707
7.549
7.533
7.287
7.231
7.199

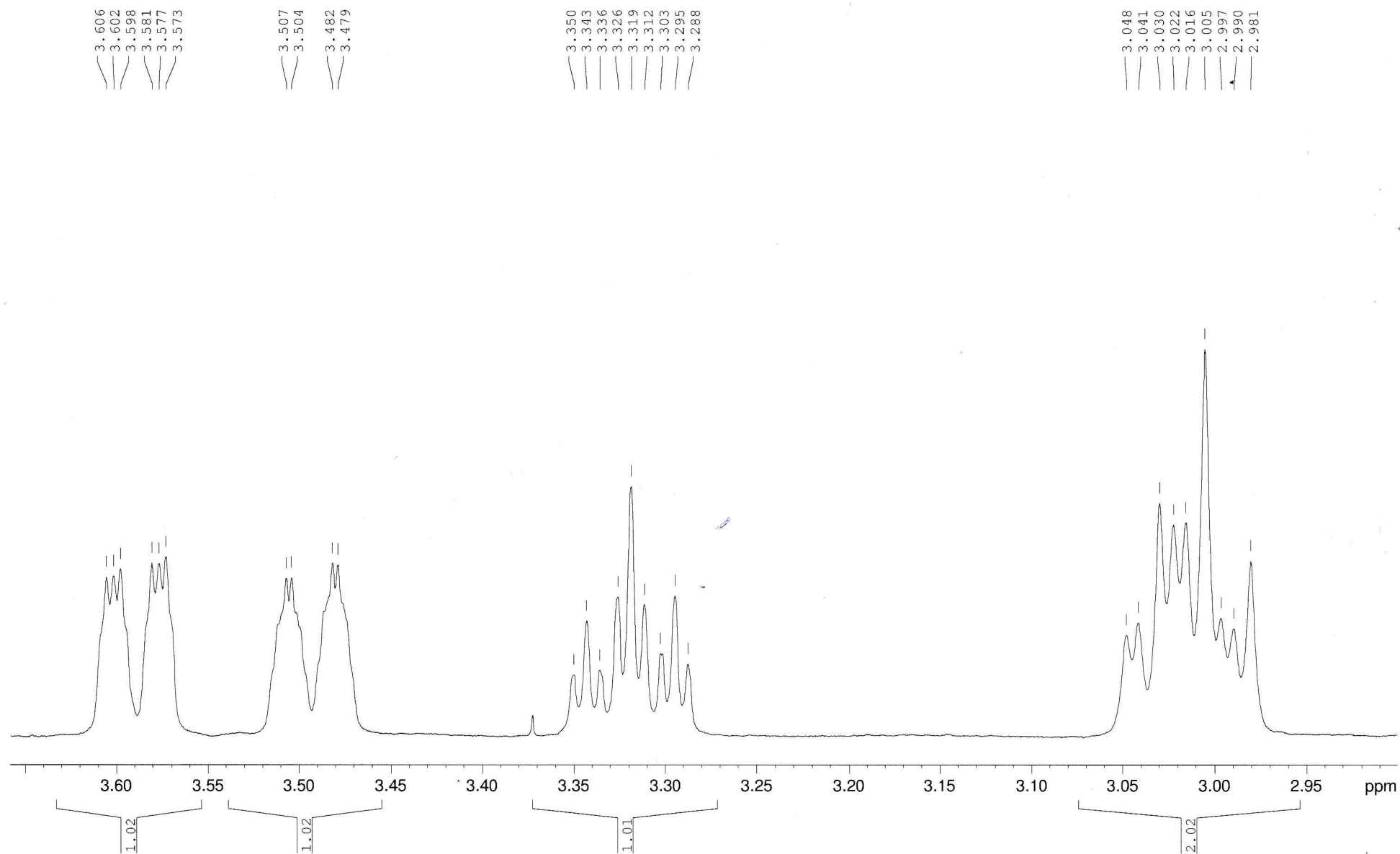
4.800
3.606
3.602
3.598
3.581
3.577
3.573
3.507
3.504
3.482
3.479
3.319
3.030
3.022
3.016
3.005
2.981
2.173
2.150
2.146
2.143
2.054
2.048
2.042
1.919
1.792
1.786
1.768
1.760



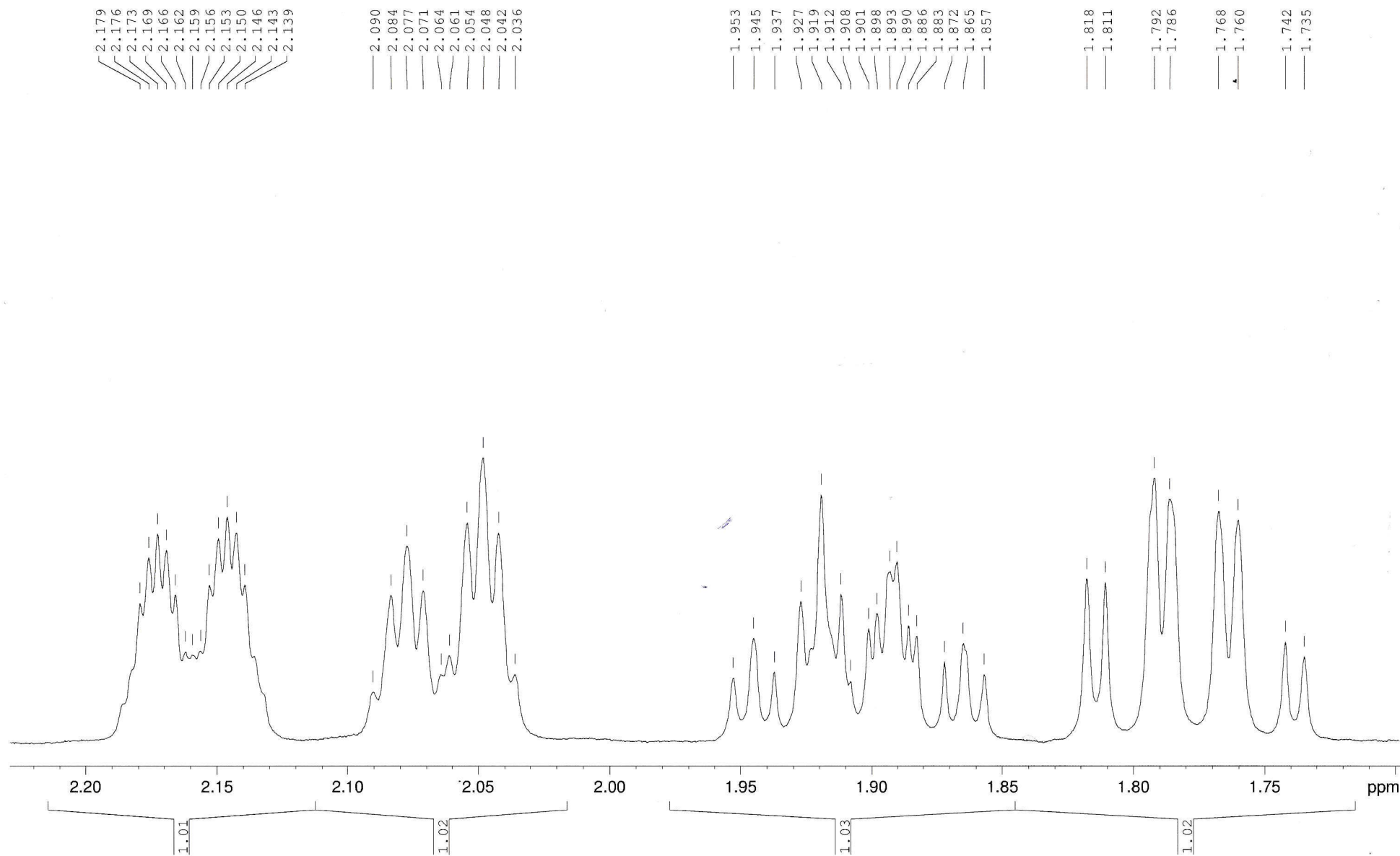
3704-1H
I



3704-1H
I



3704-1H
I



3704-13C

I

Current Data Parameters
NAME 3704
EXPNO 12
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170426
PROBHD 5 mm PABBI 1H/
PULPROG zg_pi_CPD
SOLVENT D2O
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 280
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 15.00 usec
P2 30.00 usec
PLW1 78.52400208 W

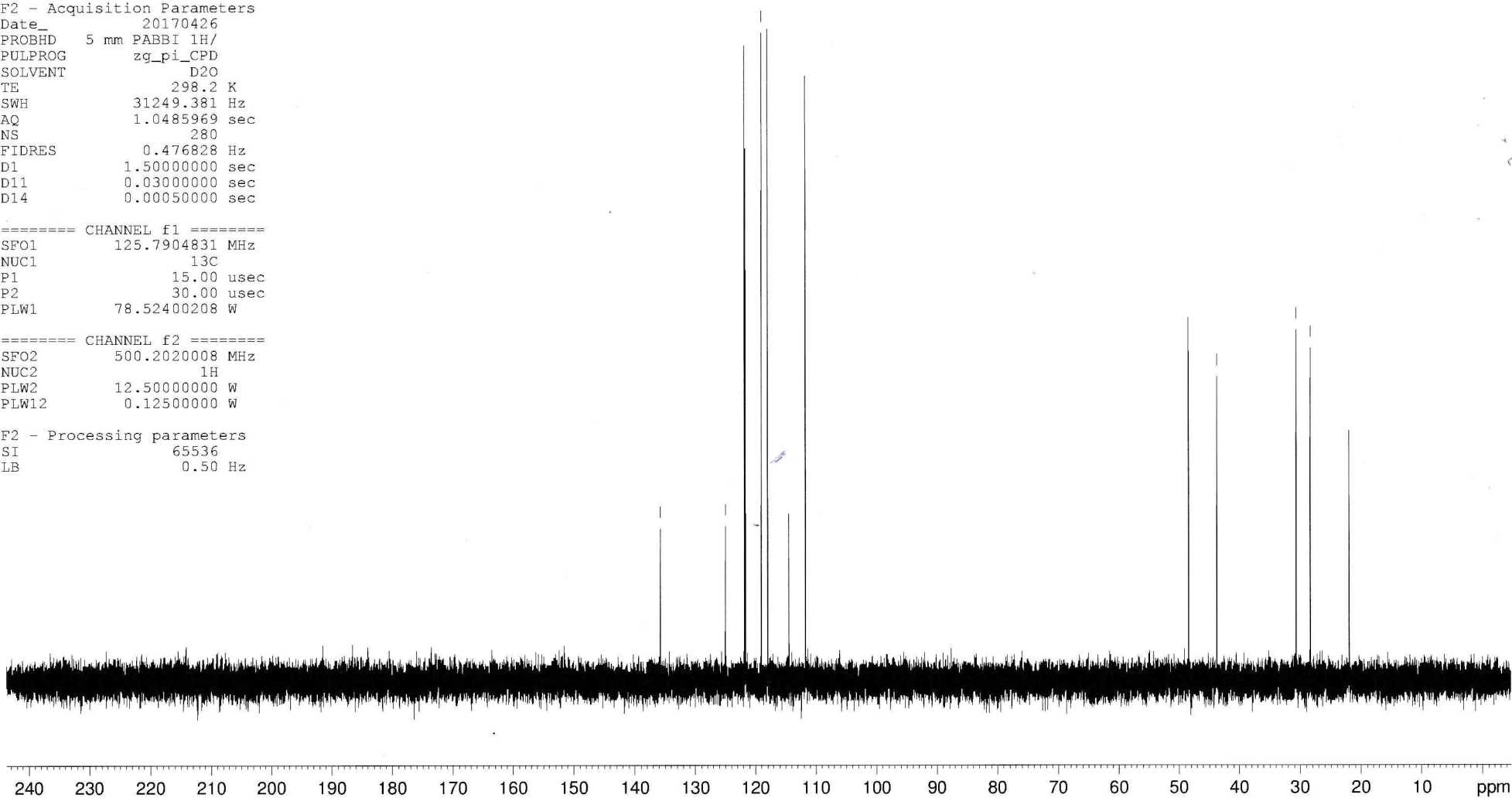
===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 12.50000000 W
PLW12 0.12500000 W

F2 - Processing parameters
SI 65536
LB 0.50 Hz

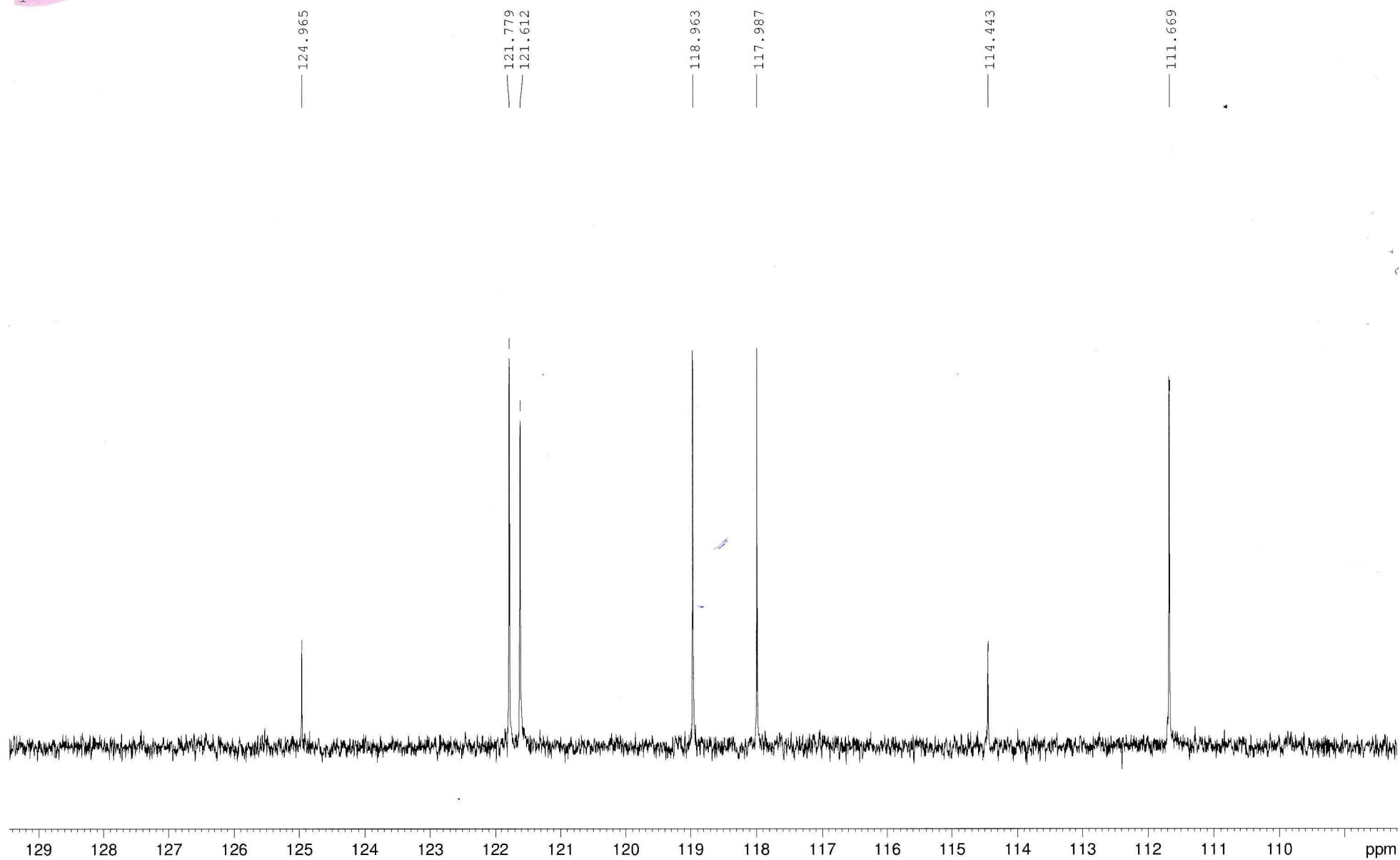
135.729
124.965
121.779
121.612
118.963
117.987
114.443
111.669

48.352
43.700

30.631
28.270
21.921



3704-13C
I



(R)-10b

4125-1H
C_xHCl

Current Data Parameters

NAME 4125
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

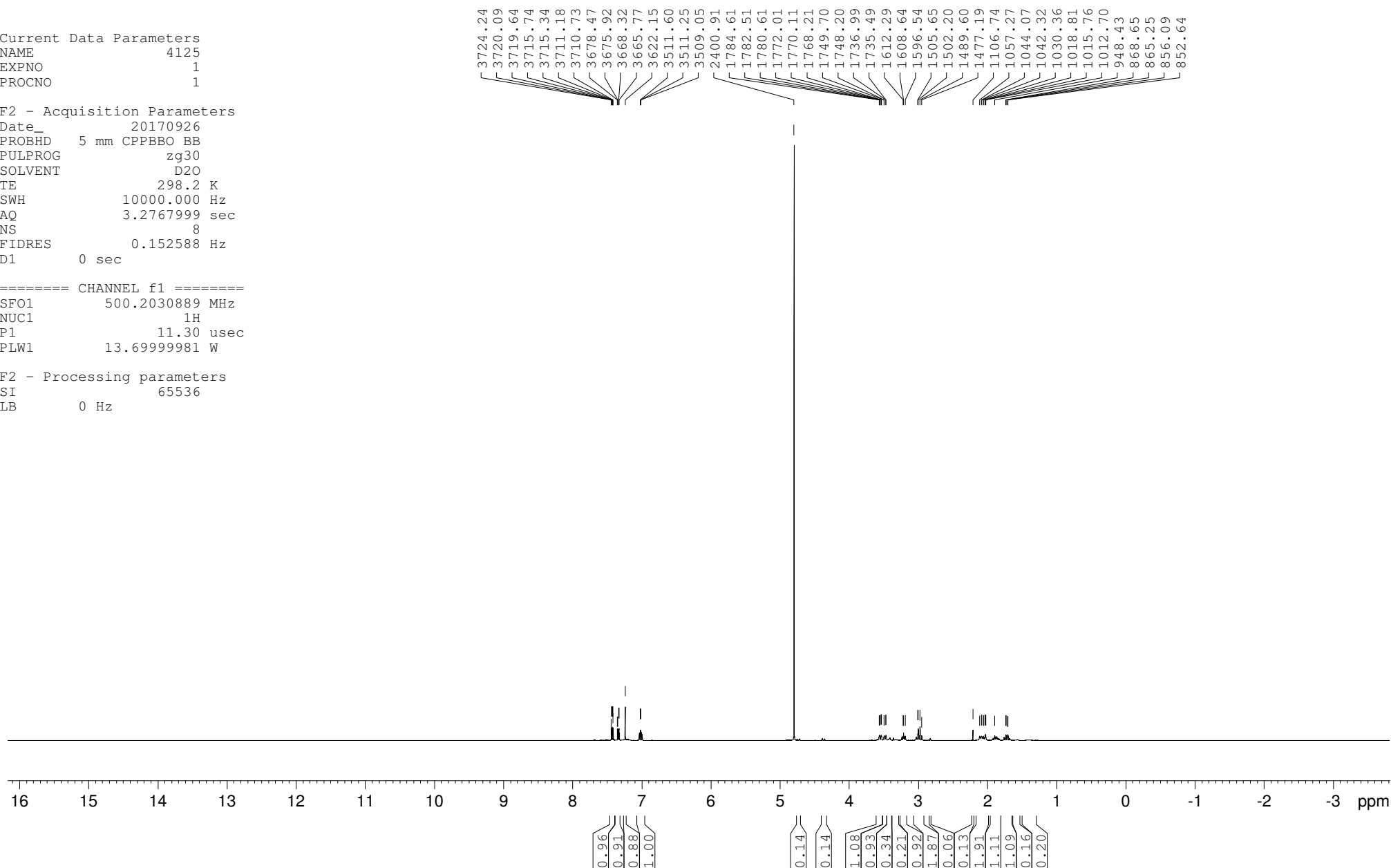
Date_ 20170926
PROBHD 5 mm CPPBBO BB
PULPROG zg30
SOLVENT D2O
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====

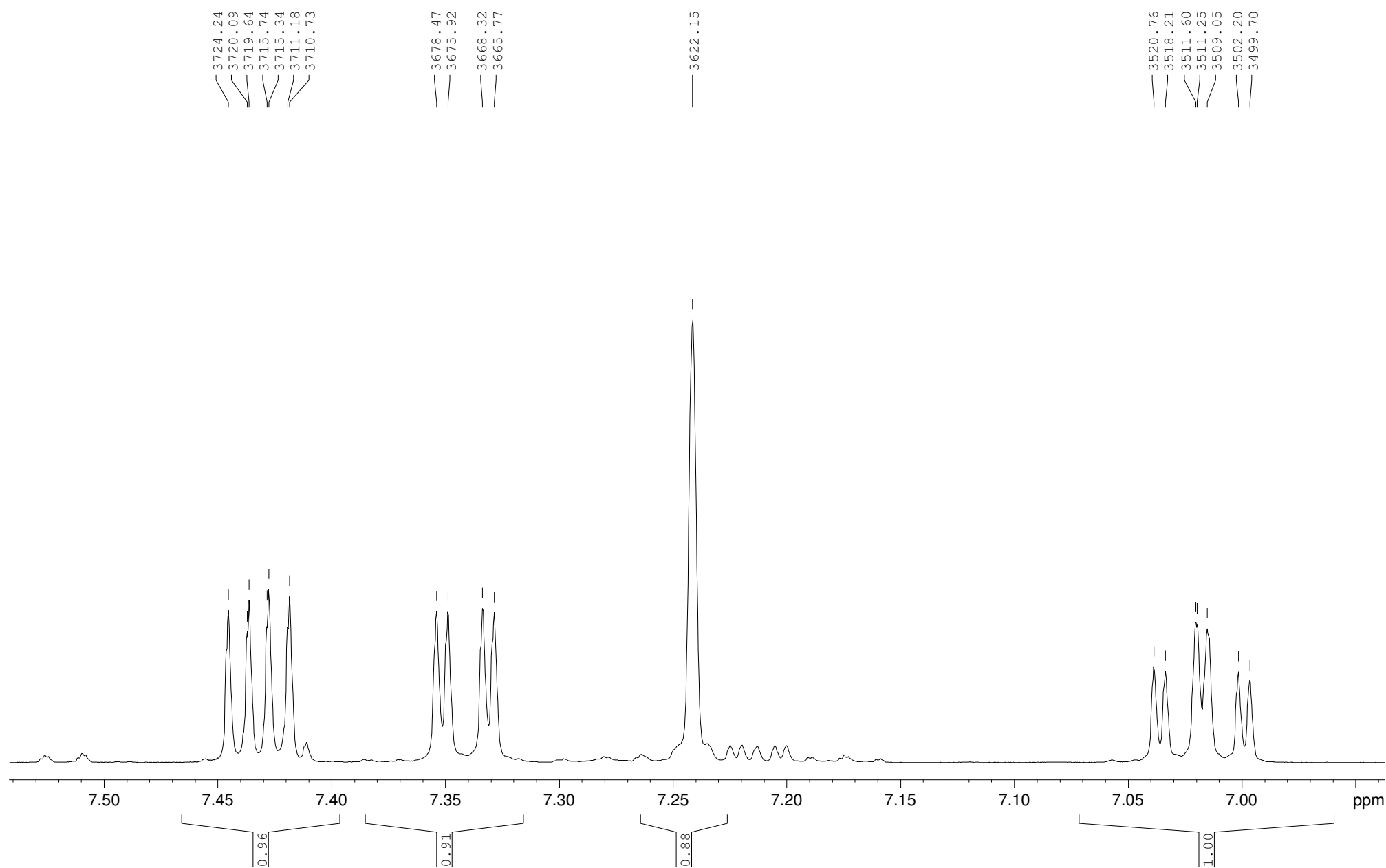
SFO1 500.2030889 MHz
NUC1 1H
P1 11.30 usec
PLW1 13.69999981 W

F2 - Processing parameters

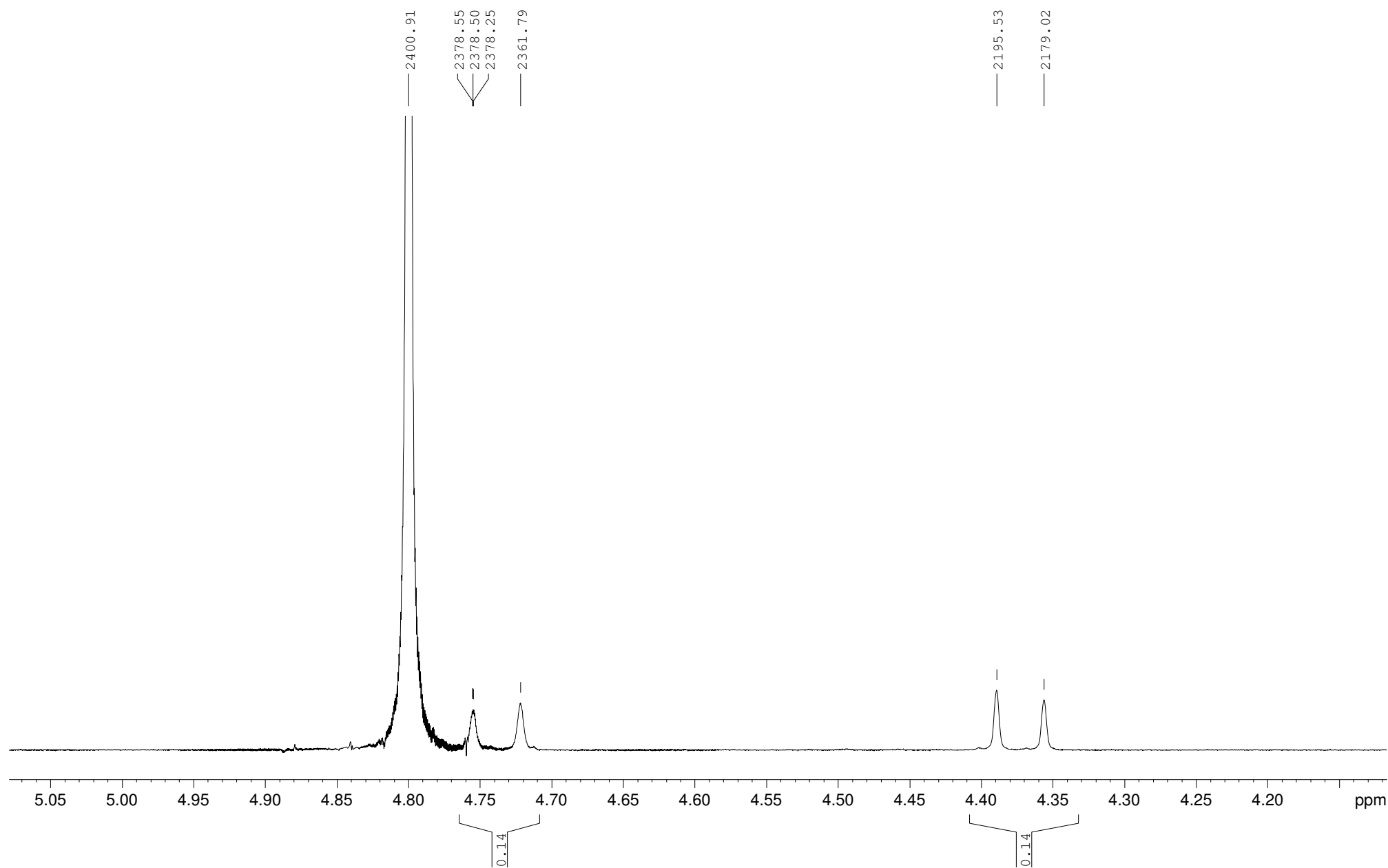
SI 65536
LB 0 Hz



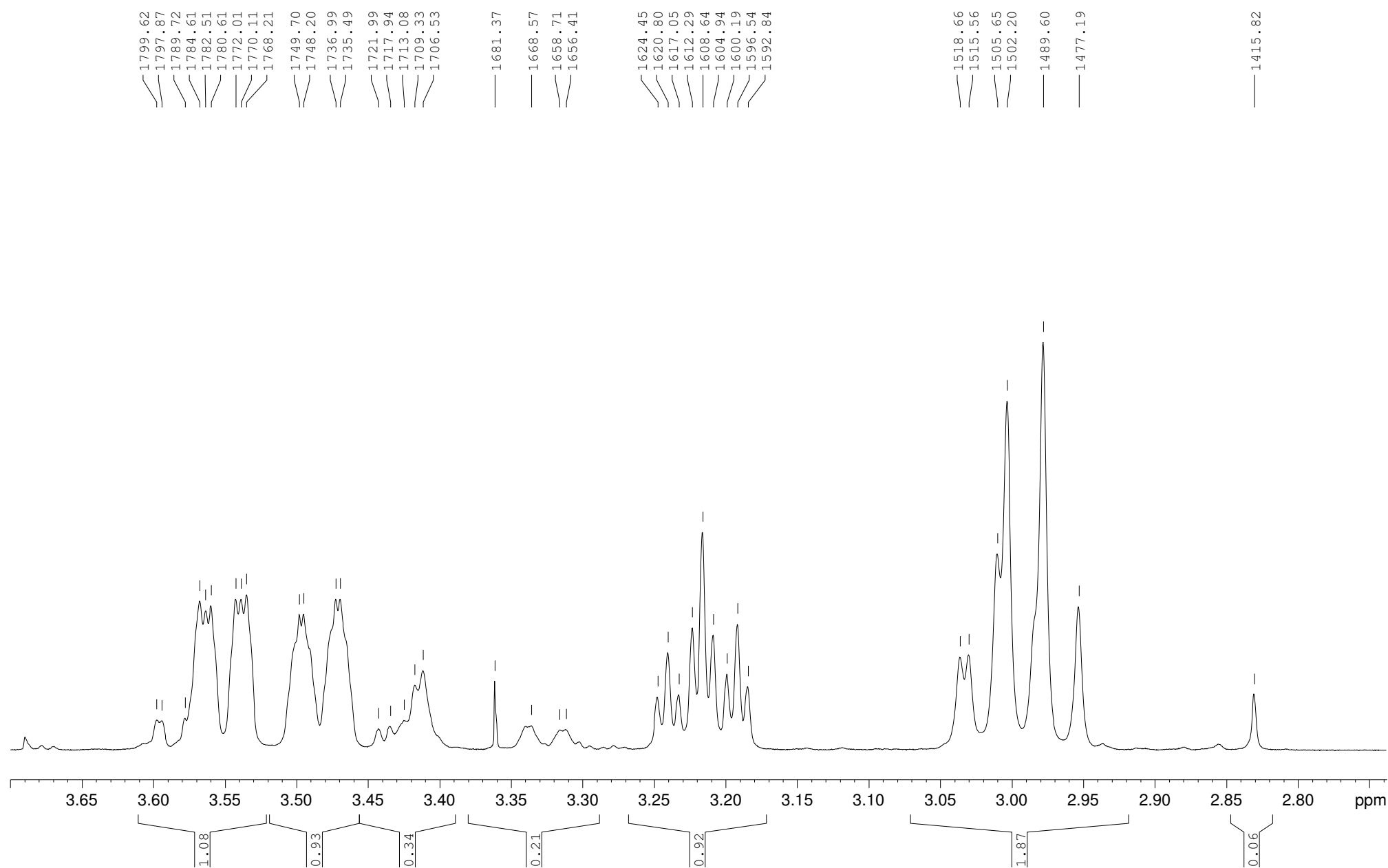
4125-1H
C₆HCl



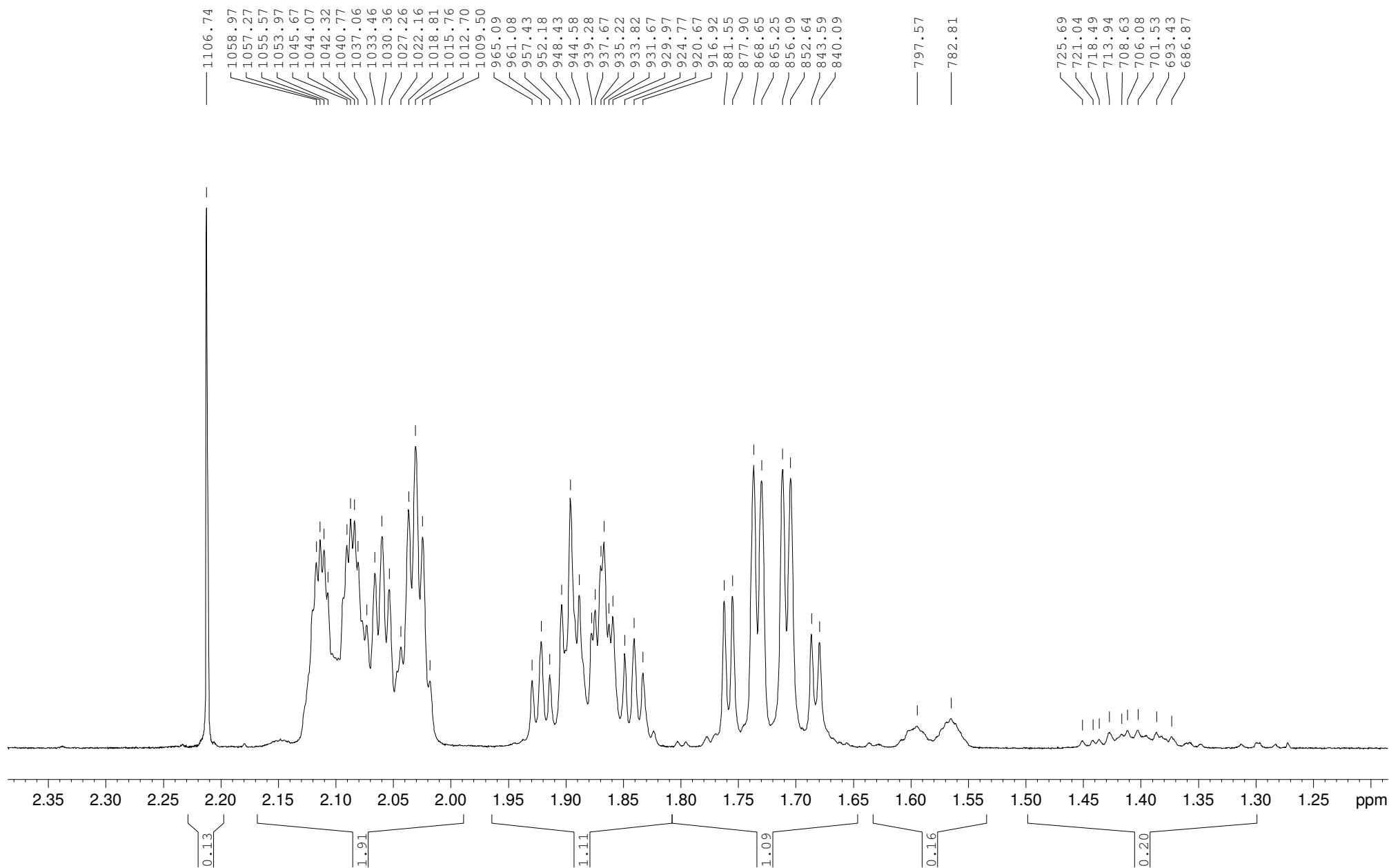
4125-1H
C₆HCl



4125-1H
C₆H₅Cl



4125-1H
C₆HCl



(S)-11b

4008-1H
A3

Current Data Parameters

NAME 4008
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

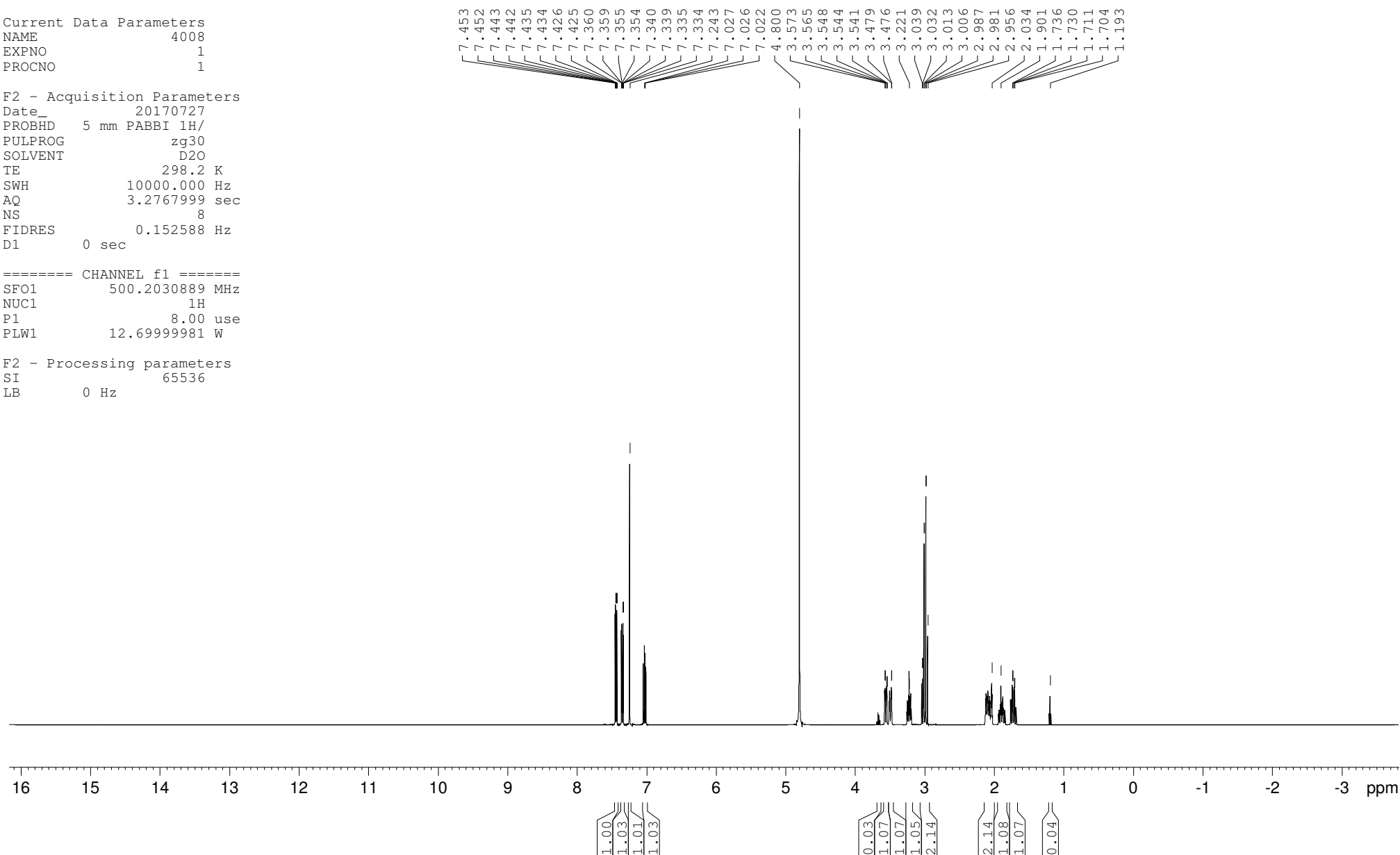
Date_ 20170727
PROBHD 5 mm PABBI 1H/
PULPROG zg30
SOLVENT D2O
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====

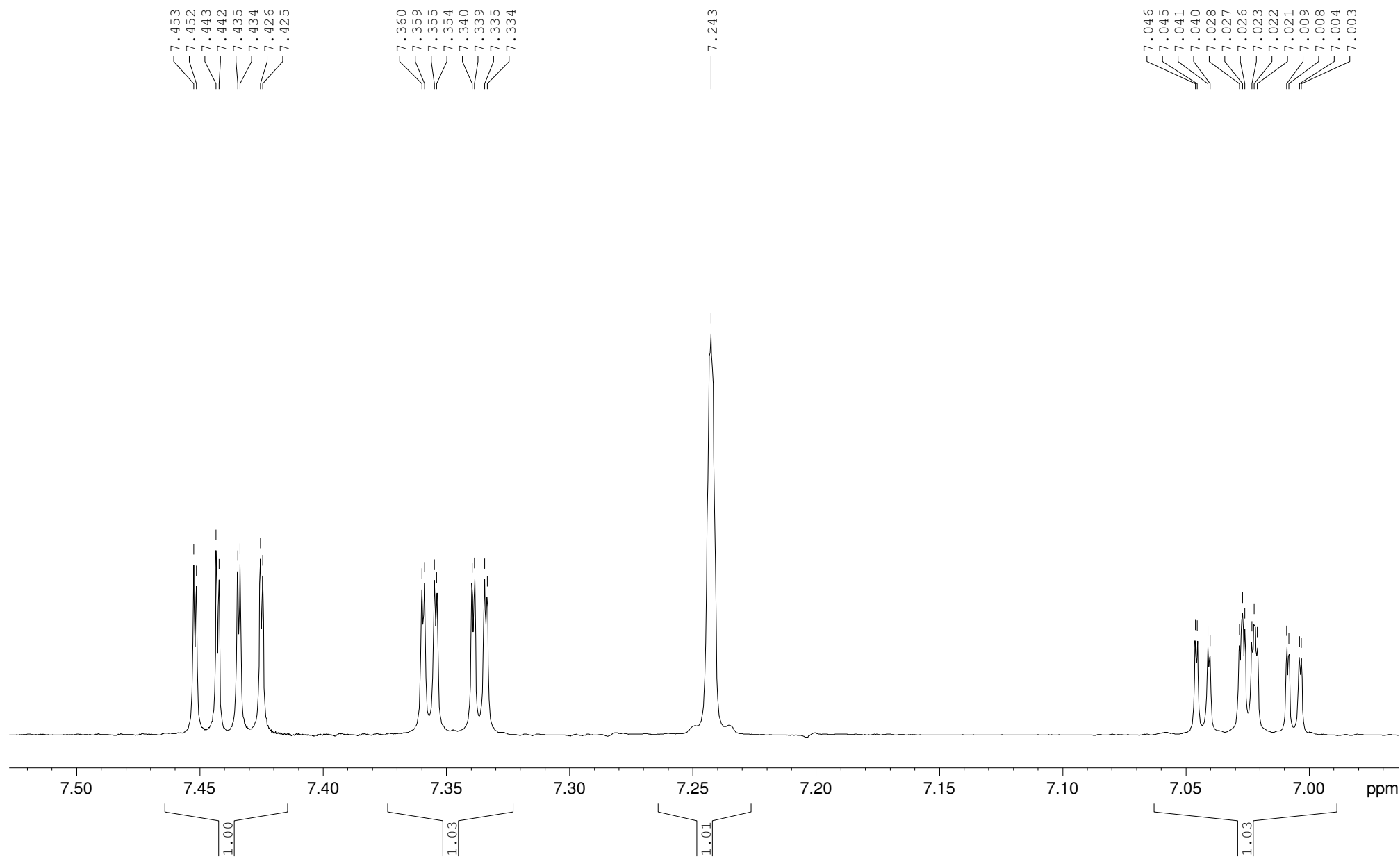
SFO1 500.2030889 MHz
NUC1 1H
P1 8.00 use
PLW1 12.69999981 W

F2 - Processing parameters

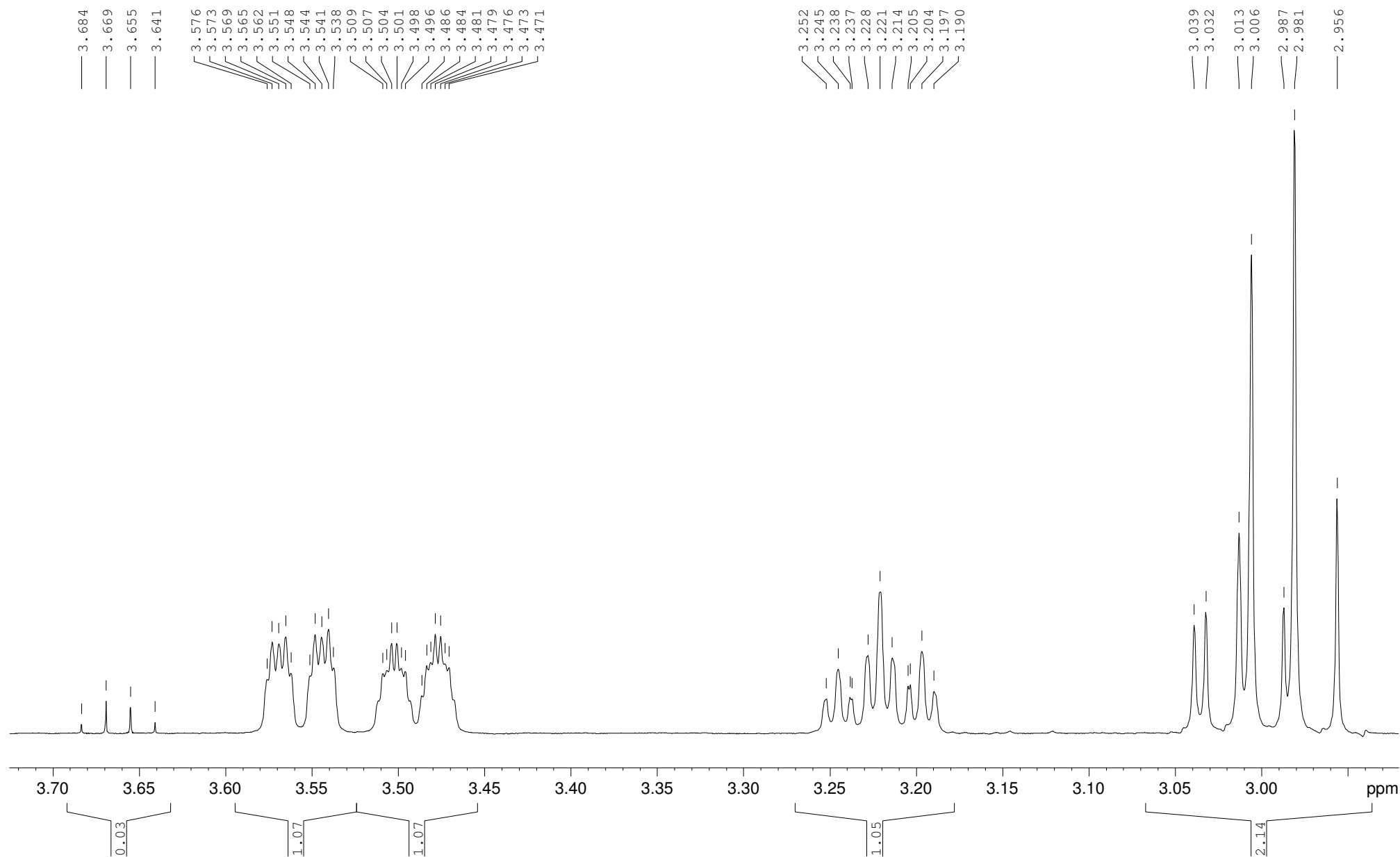
SI 65536
LB 0 Hz



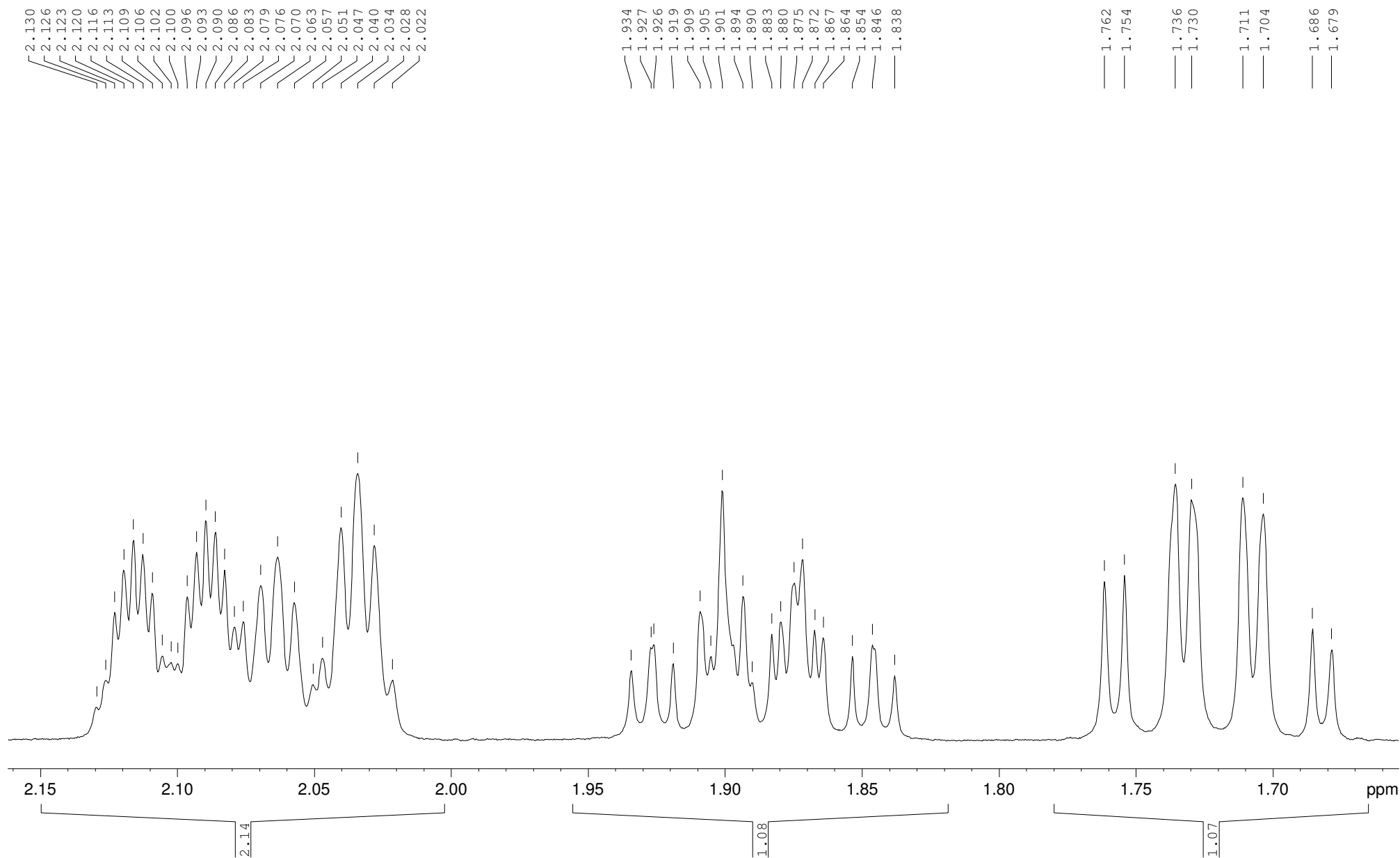
4008-1H
A3



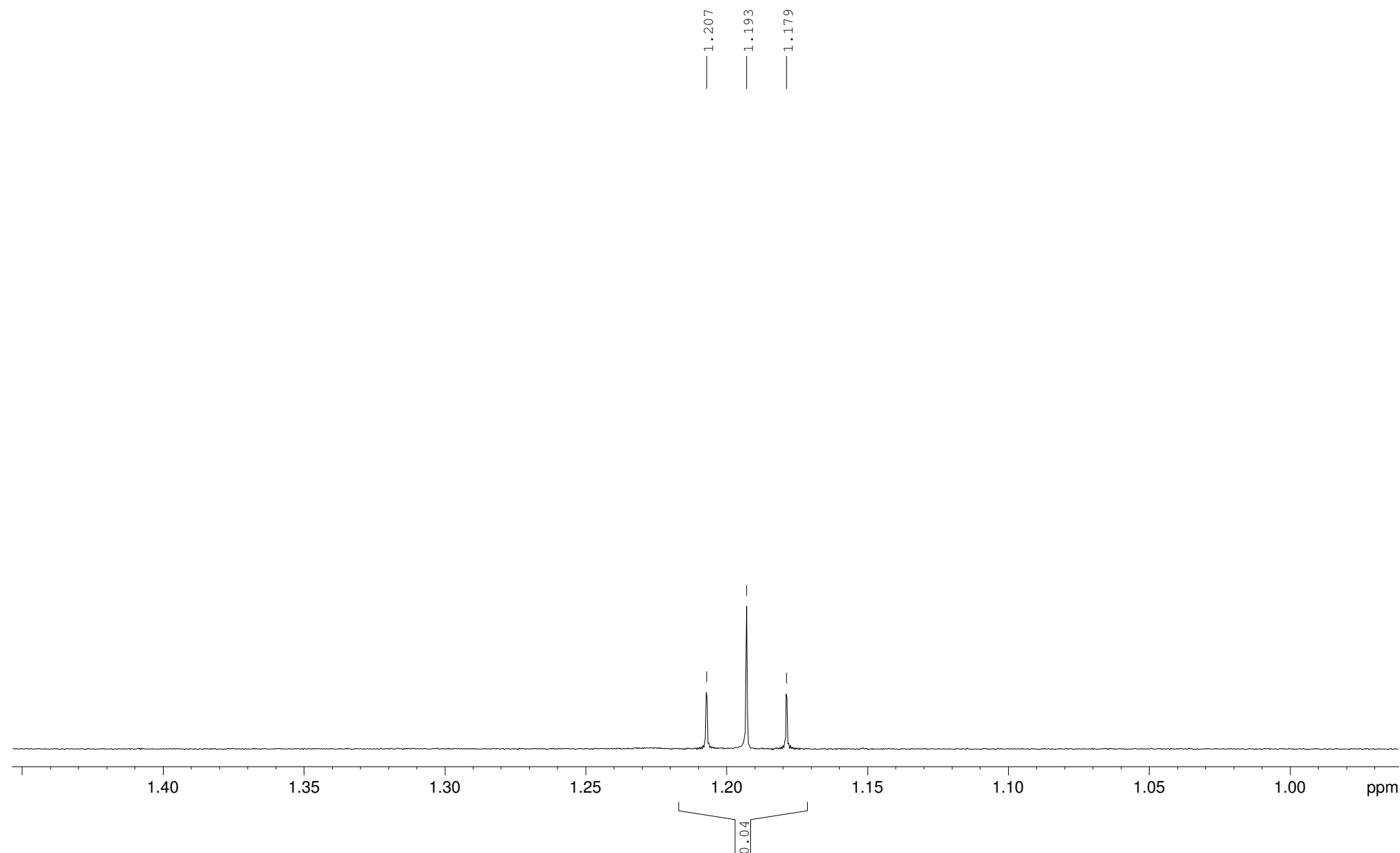
4008-1H
A3



4008-1H
A3



4008-1H
A3



4008-13C
A3

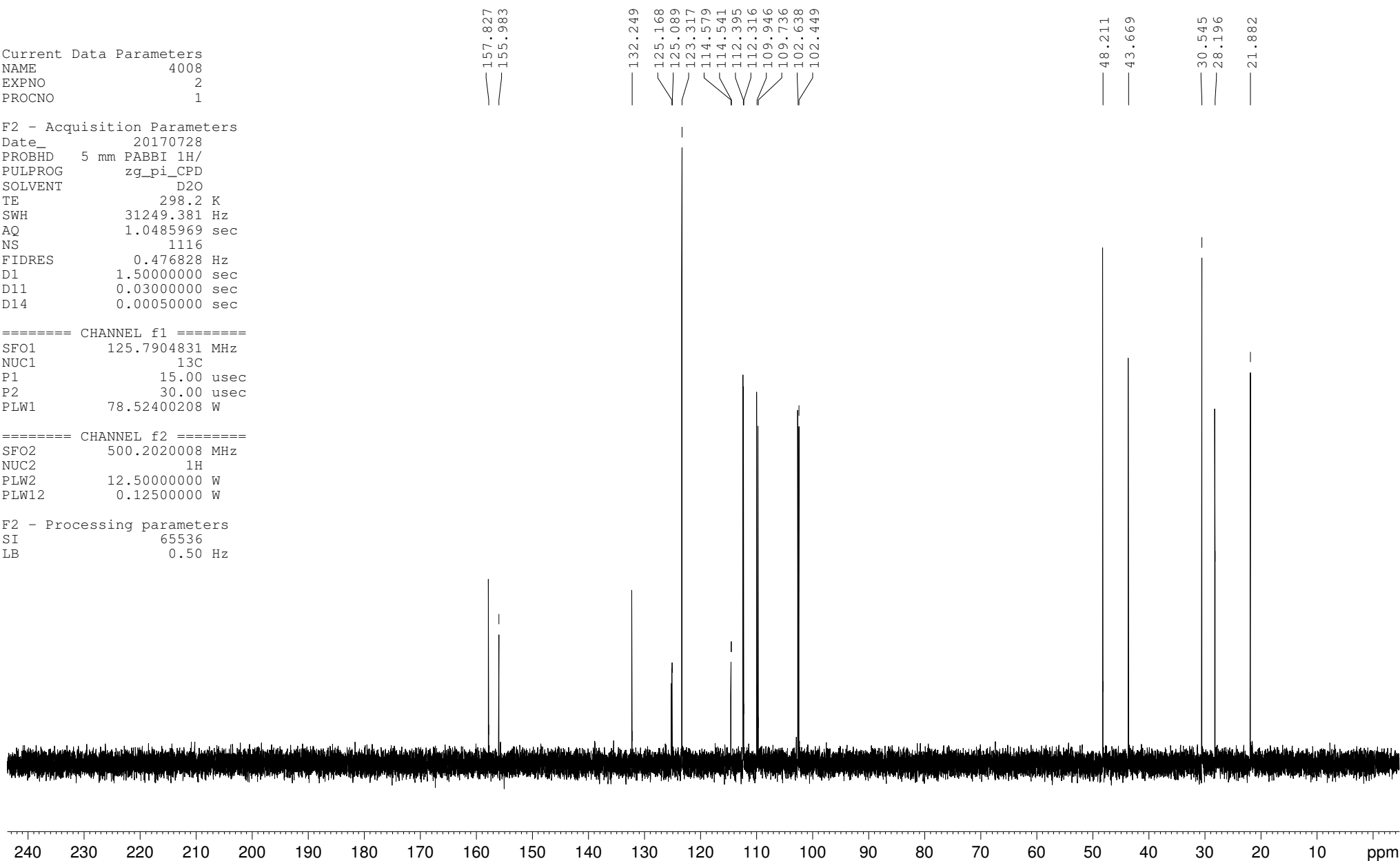
Current Data Parameters
NAME 4008
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170728
PROBHD 5 mm PABBI 1H/
PULPROG zg_pi_CPD
SOLVENT D2O
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 1116
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

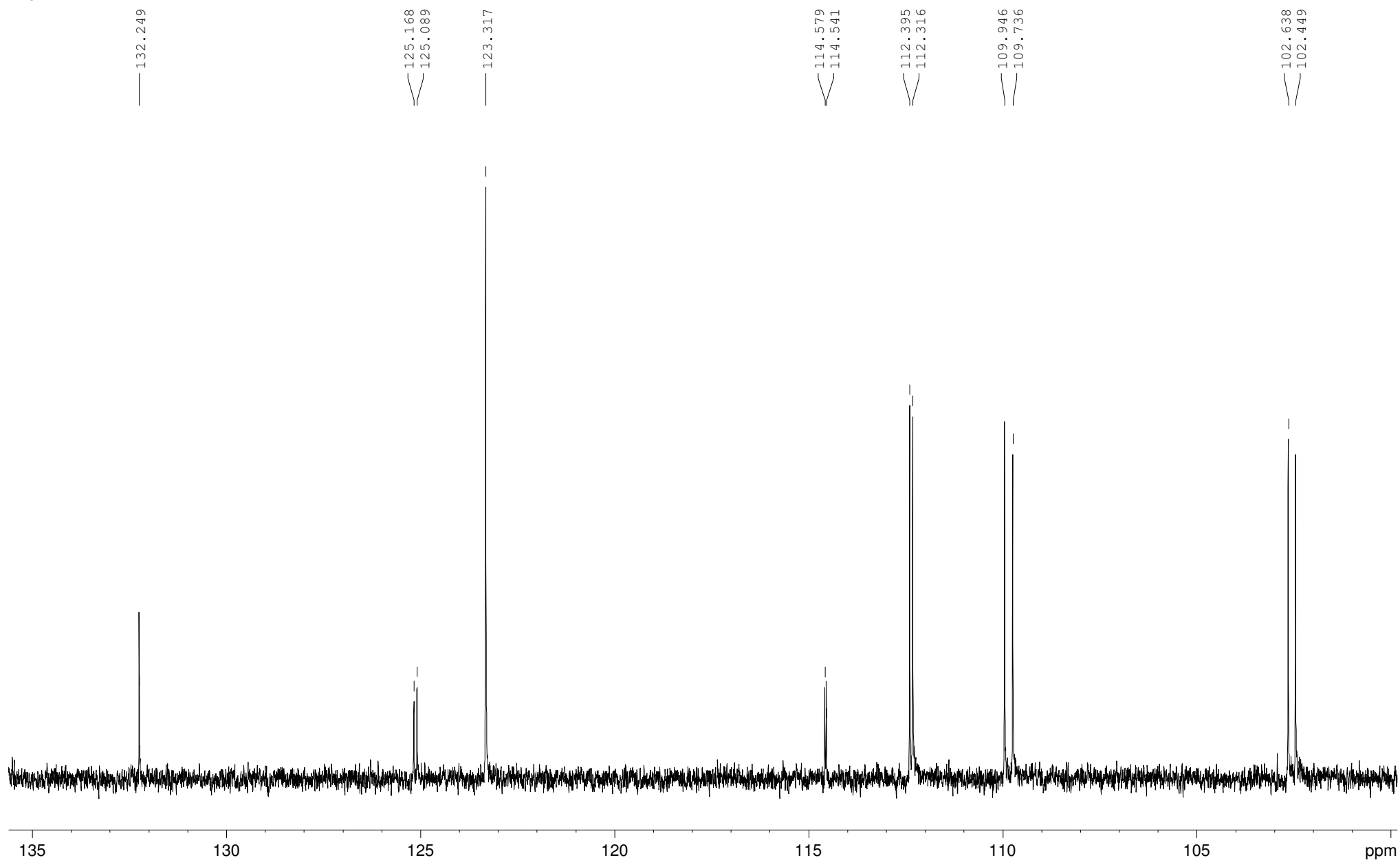
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 15.00 usec
P2 30.00 usec
PLW1 78.52400208 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 12.50000000 W
PLW12 0.12500000 W

F2 - Processing parameters
SI 65536
LB 0.50 Hz



4008-13C
A3



4008-HMBC
A3

Current Data Parameters
NAME 4008
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters

Date_ 20170728
PROBHD 5 mm PABBI 1H/
PULPROG hmbcgp1pndqf
SOLVENT D2O
TE 297.8 K
SWH 4870.130 Hz
AQ 0.2102613 sec
NS 4
FIDRES 2.377993 Hz
D0 0.00000300 sec
D1 1.50000000 sec
D2 0.00344828 sec
D6 0.05000000 sec
D16 0.00020000 sec

===== CHANNEL f1 =====
SFO1 500.2022299 MHz
NUC1 1H
P1 8.00 usec
P2 16.00 usec
PLW1 12.69999981 W

===== CHANNEL f2 =====
SFO2 125.7871163 MHz
NUC2 13C
P3 15.00 usec
PLW2 78.52400208 W

===== GRADIENT CHANNEL =====
P16 1000.00 usec

F1 - Acquisition parameters

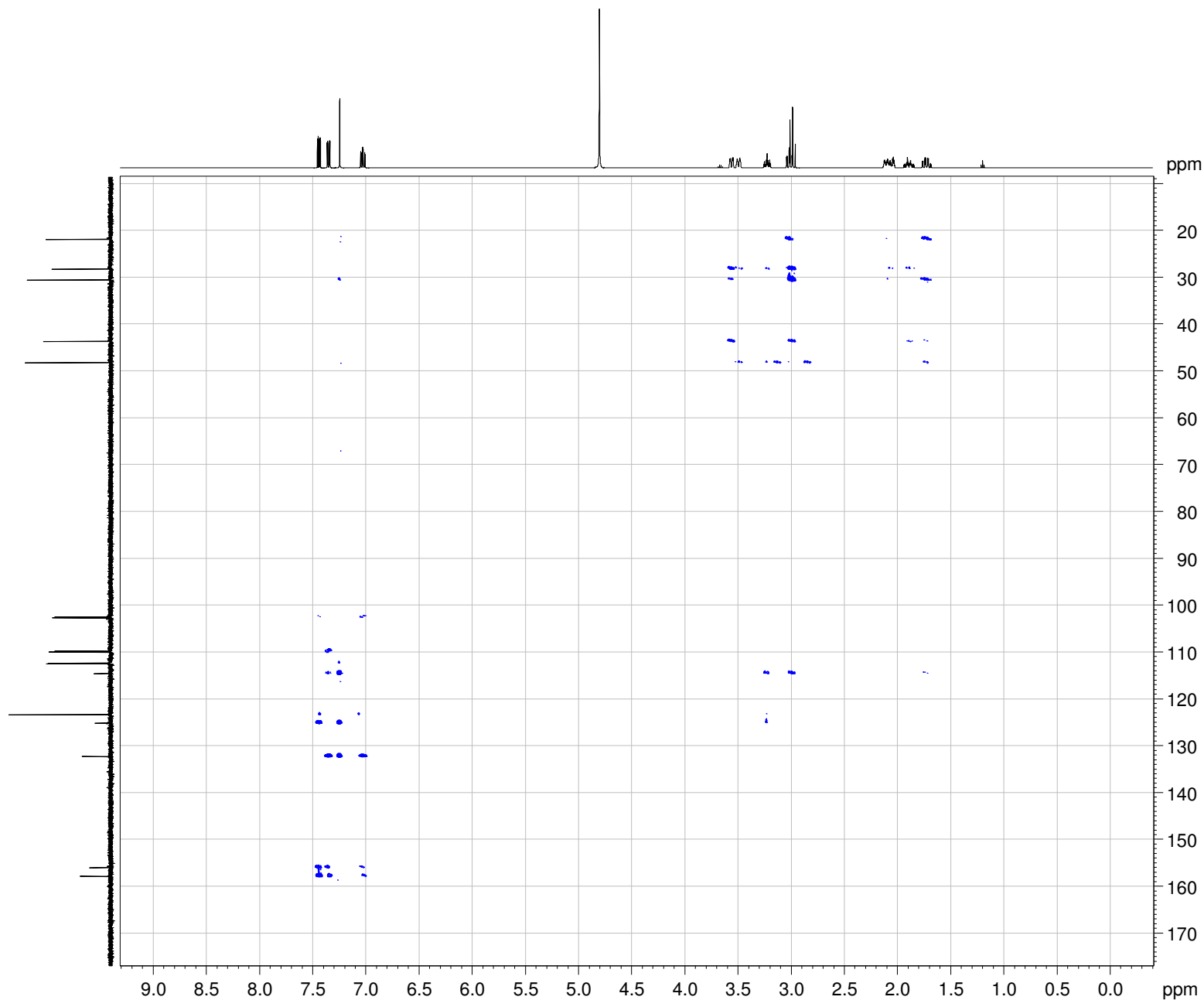
TD 128
SFO1 125.7871 MHz
FIDRES 165.519073 Hz
SW 168.431 ppm
FnMODE QF

F2 - Processing parameters

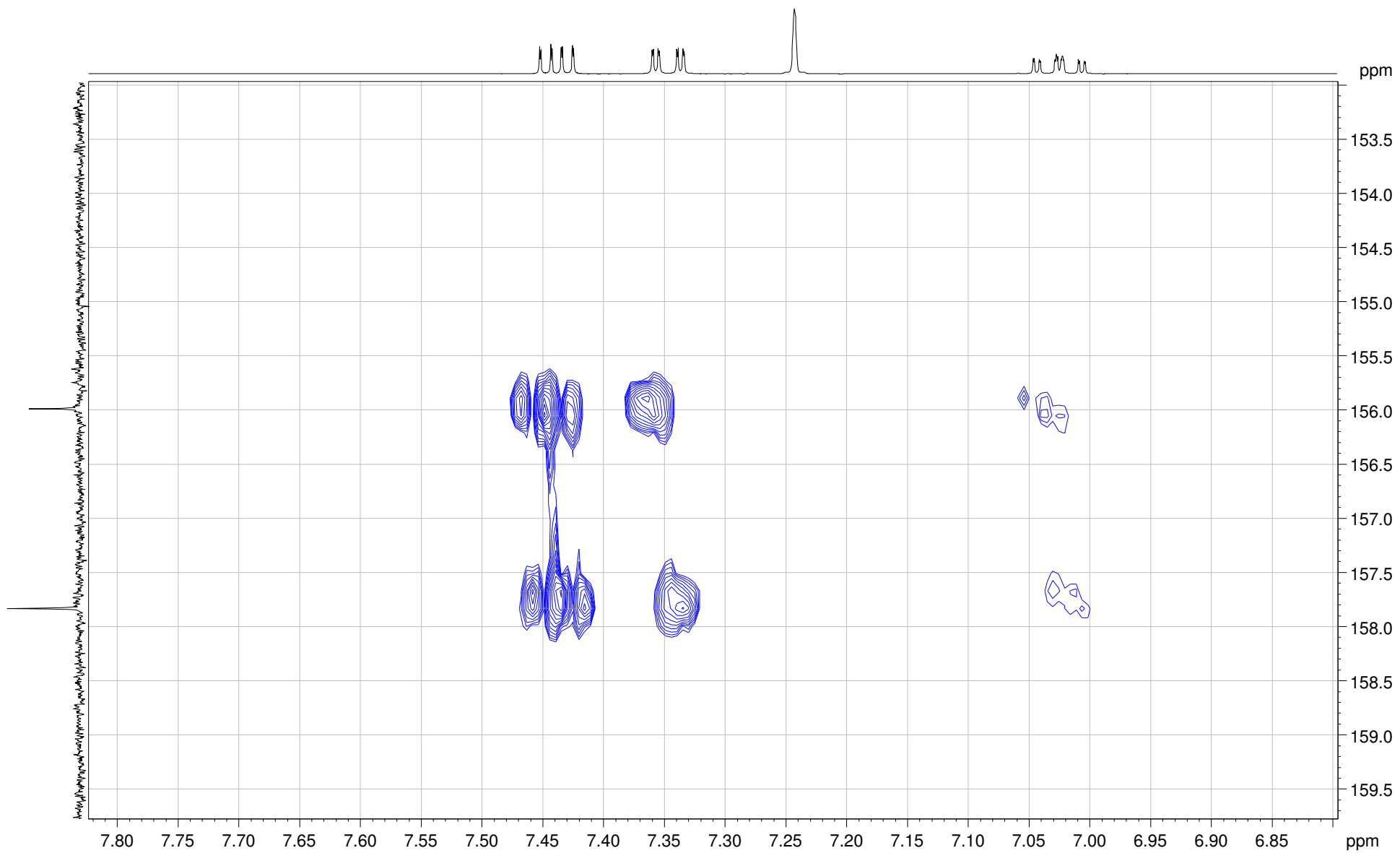
SI 2048
LB 0 Hz

F1 - Processing parameters

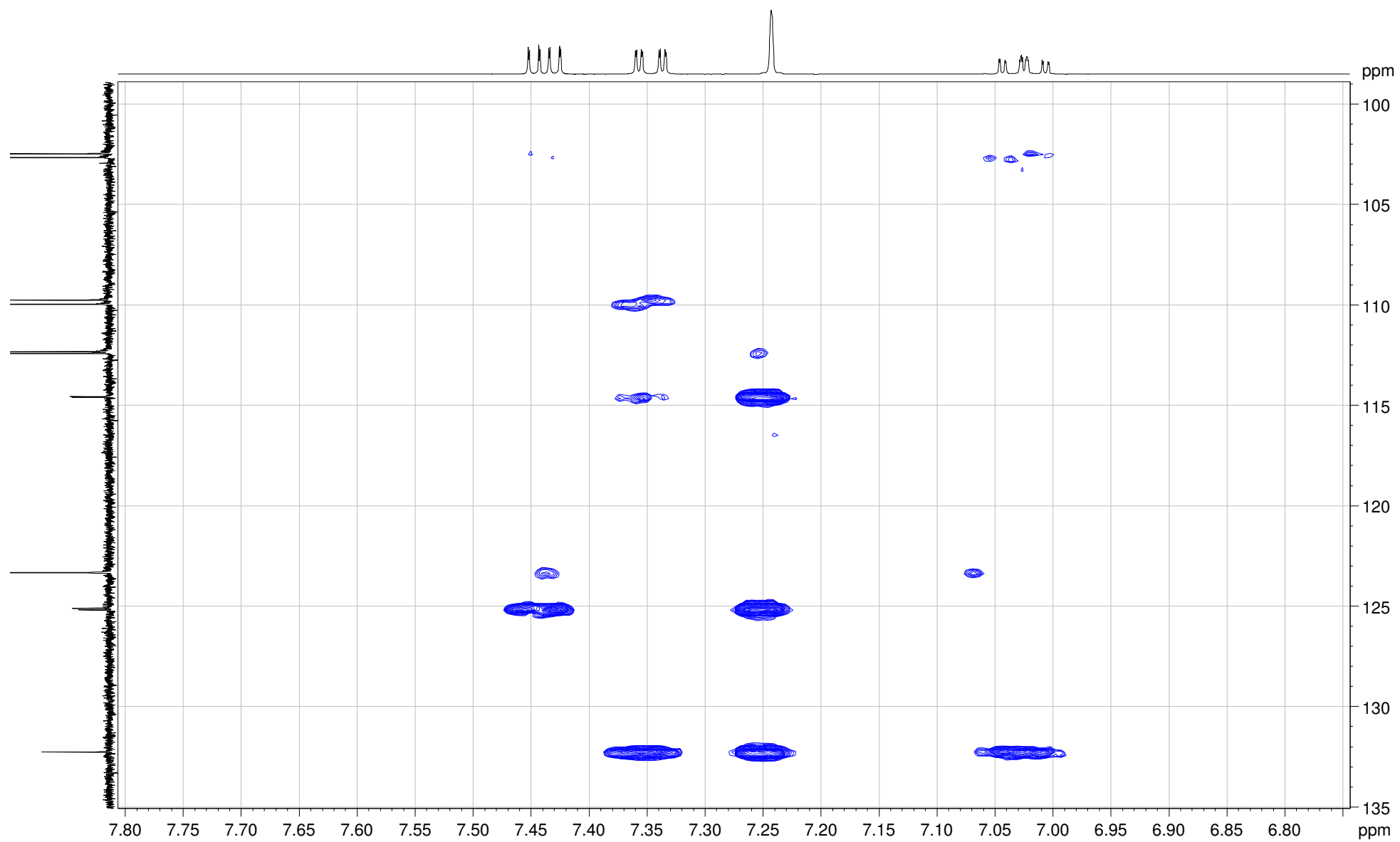
SI 1024
MC2 QF
SF 125.7754528 MHz
WDW SINE
SSB 0



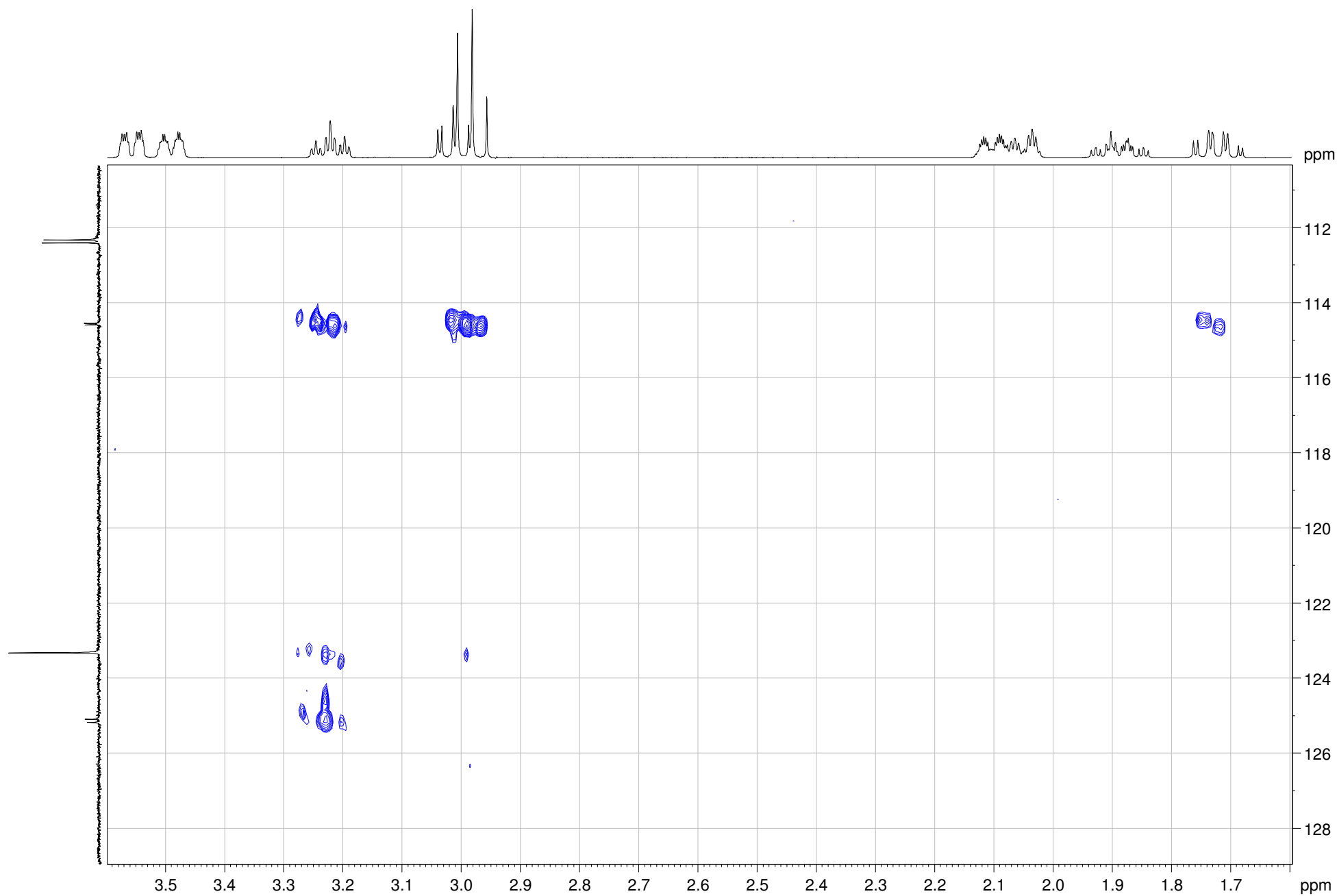
4008-HMBC
A3



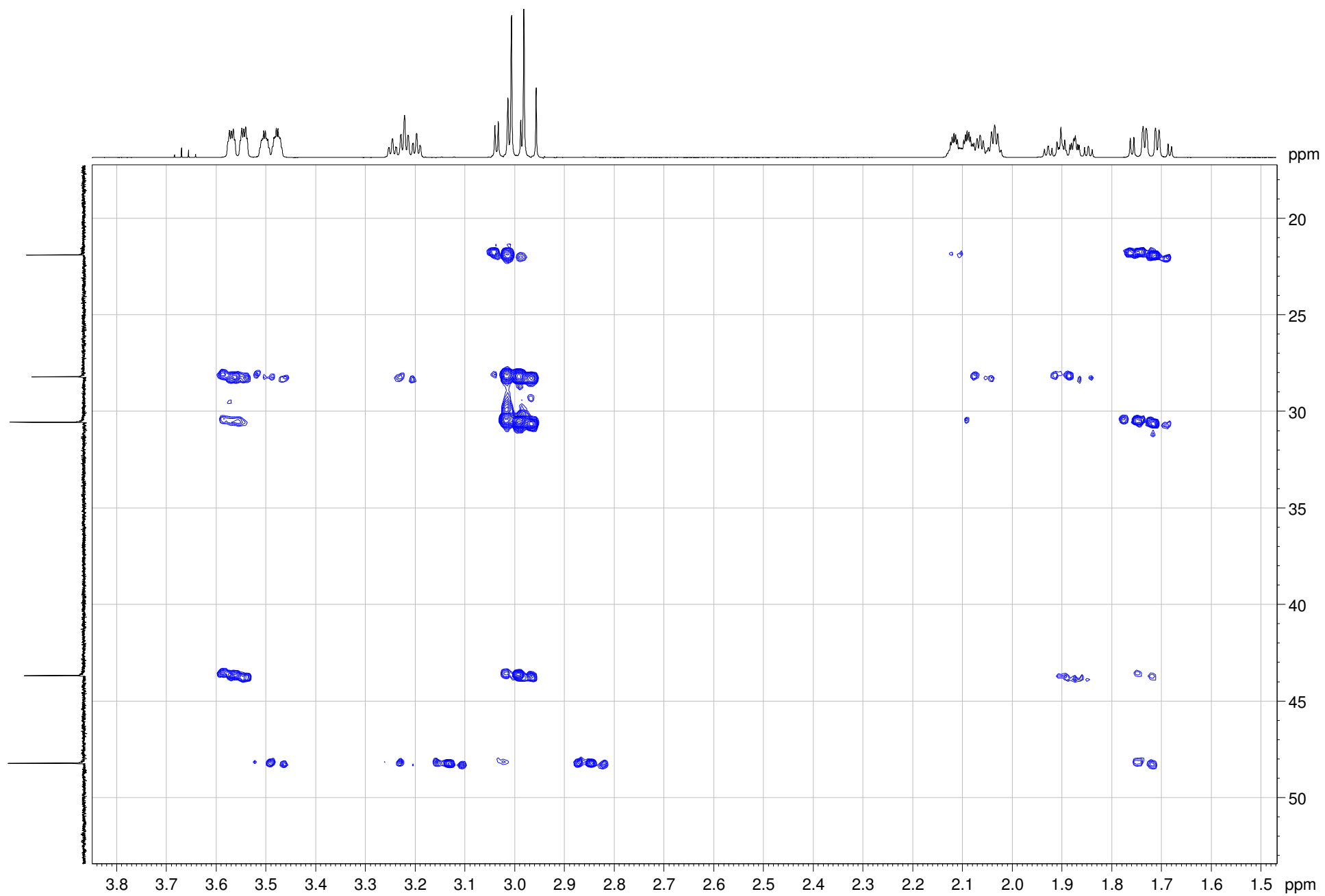
4008-HMBC
A3



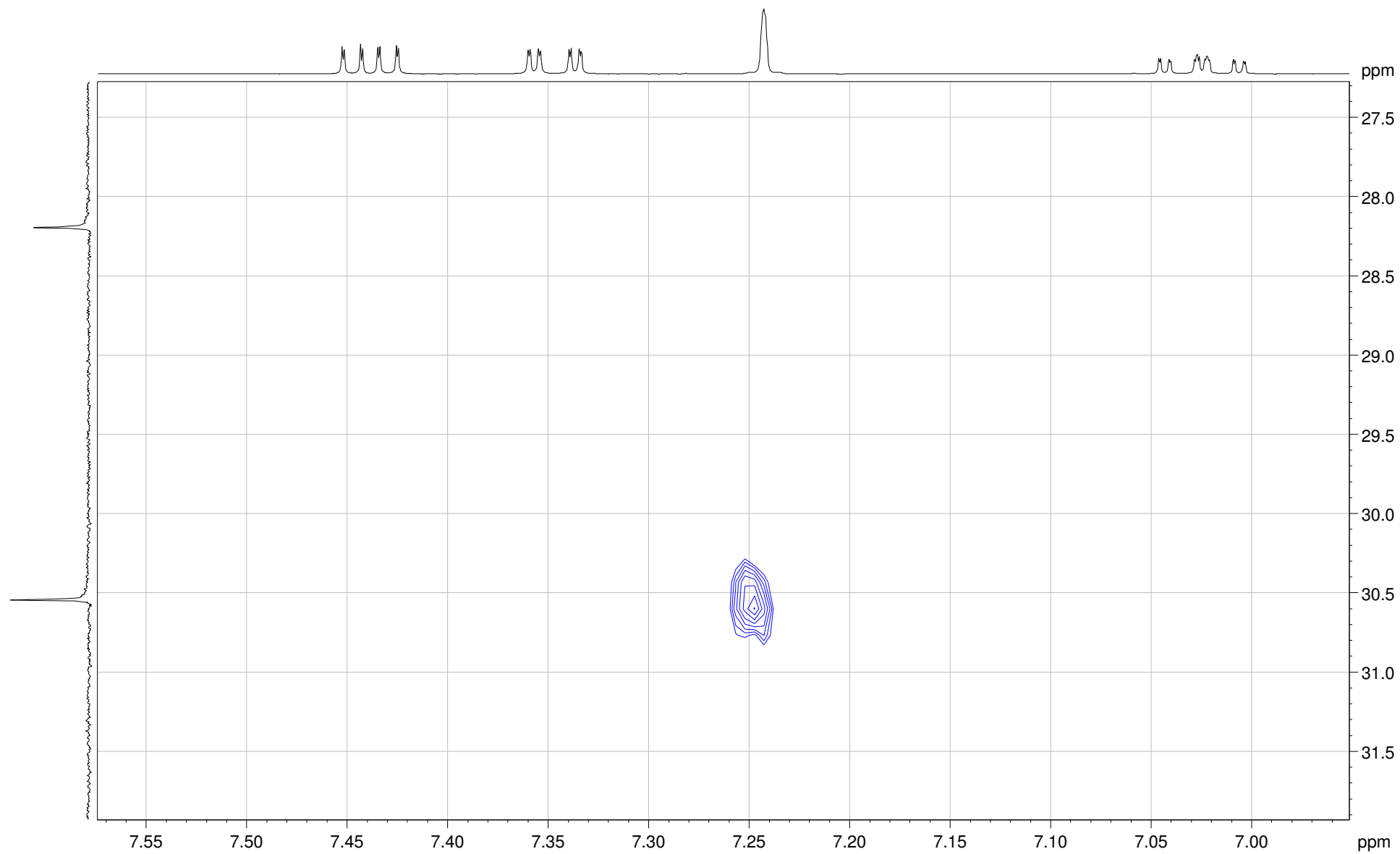
4008-HMBC
A3



4008-HMBC
A3



4008-HMBC
A3



4008-HSQC
A3

Current Data Parameters
NAME 4008
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters

Date_ 20170728
PROBHD 5 mm PABBI 1H/
PULPROG hsqcedetgpsisp2.3
SOLVENT D2O
TE 298.5 K
SWH 4870.130 Hz
AQ 0.2102613 sec
NS 2
FIDRES 2.377993 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

===== CHANNEL f1 =====

SFO1 500.2022299 MHz
NUC1 1H
P1 8.00 usec
P2 16.00 usec
P28 0 usec
PLW1 12.69999981 W

===== CHANNEL f2 =====

SFO2 125.7871163 MHz
NUC2 13C
P3 15.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 78.52400208 W
PLW12 3.60570002 W

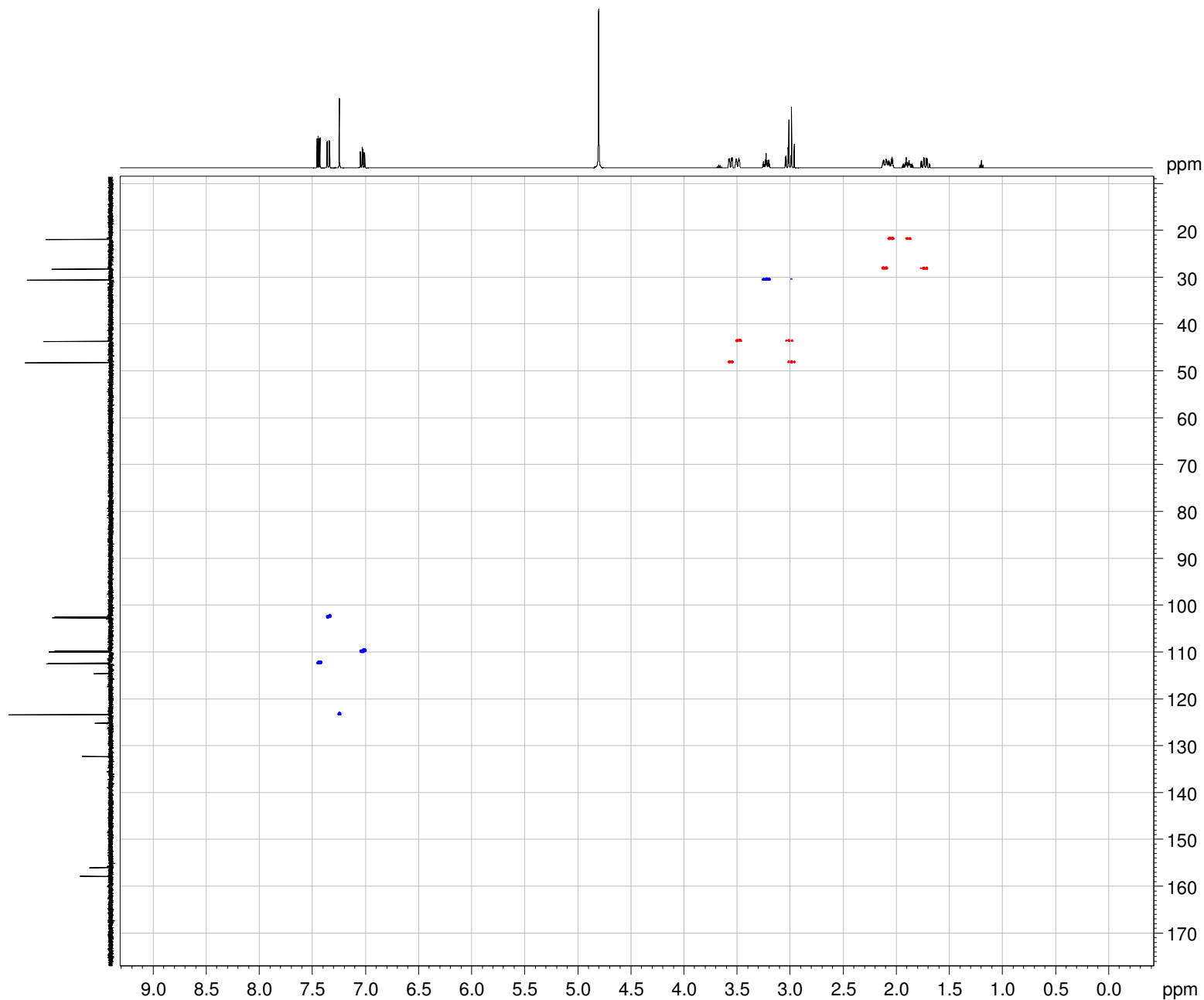
===== GRADIENT CHANNEL =====

P16 1000.00 usec
P19 600.00 usec

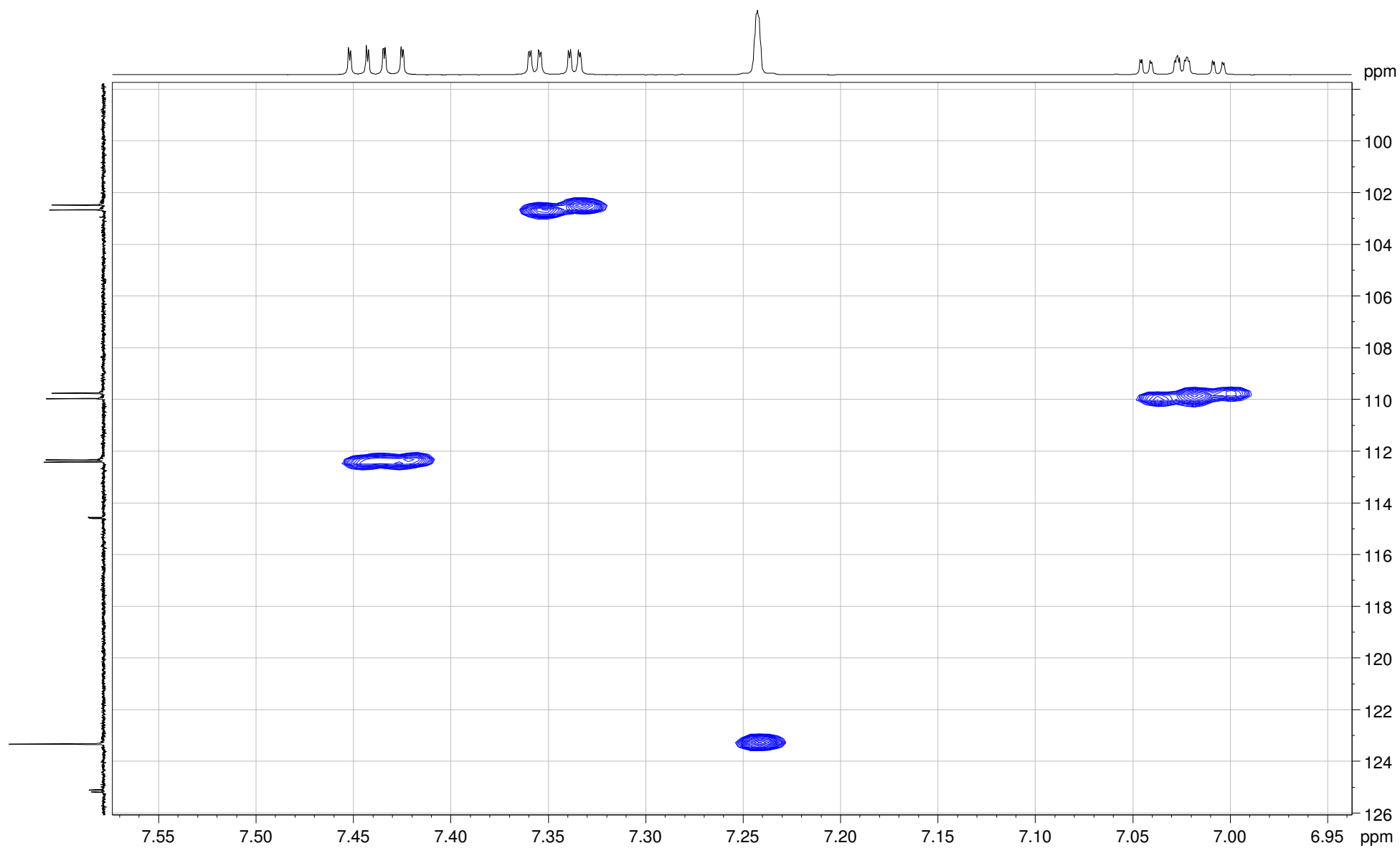
F1 - Acquisition parameters

TD 128
SFO1 125.7871 MHz
FIDRES 165.519073 Hz
SW 168.431 ppm
FnMODE Echo-Antiecho

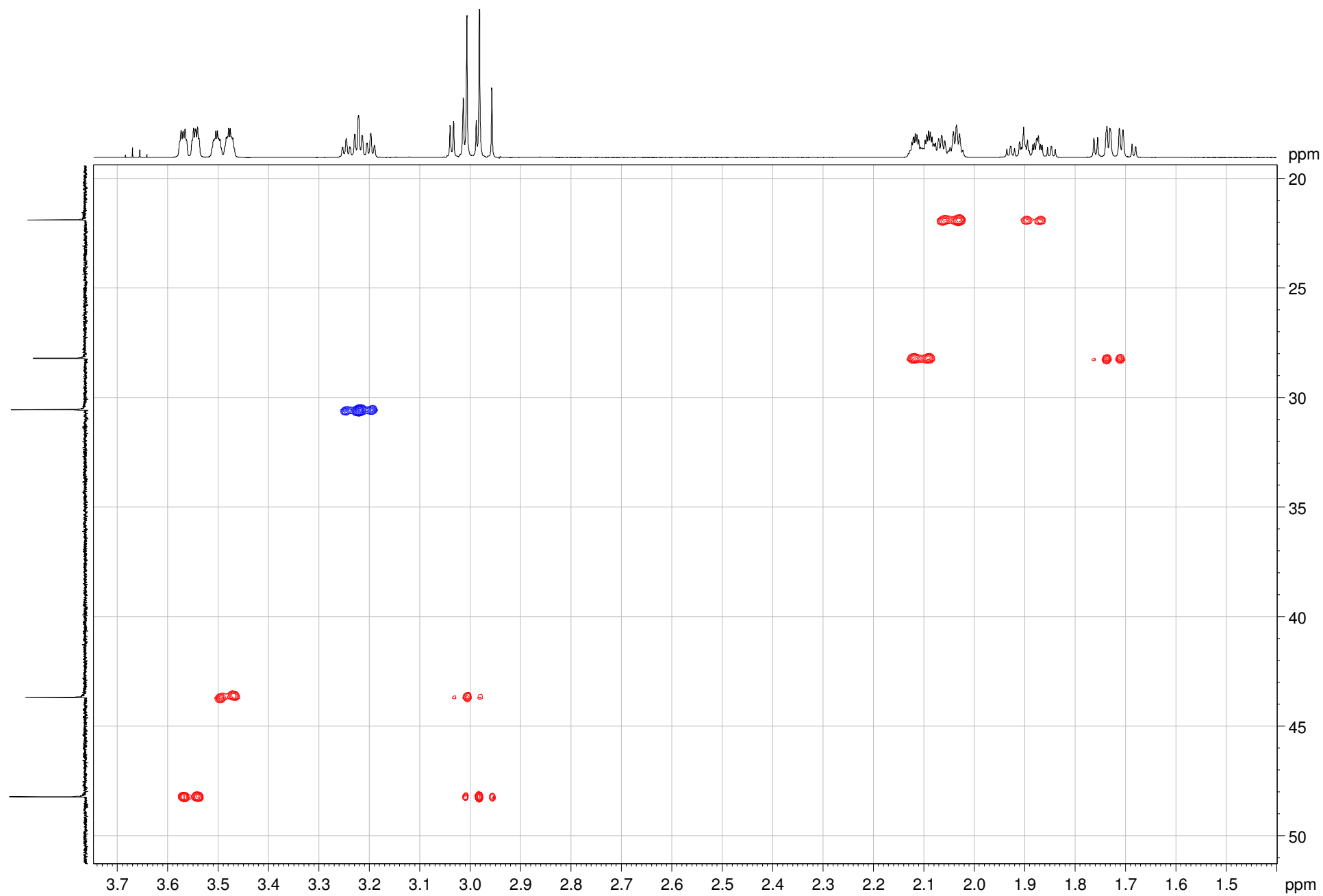
F2 - Processing parameters



4008-HSQC
A3



4008-HSQC
A3



(R)-10c

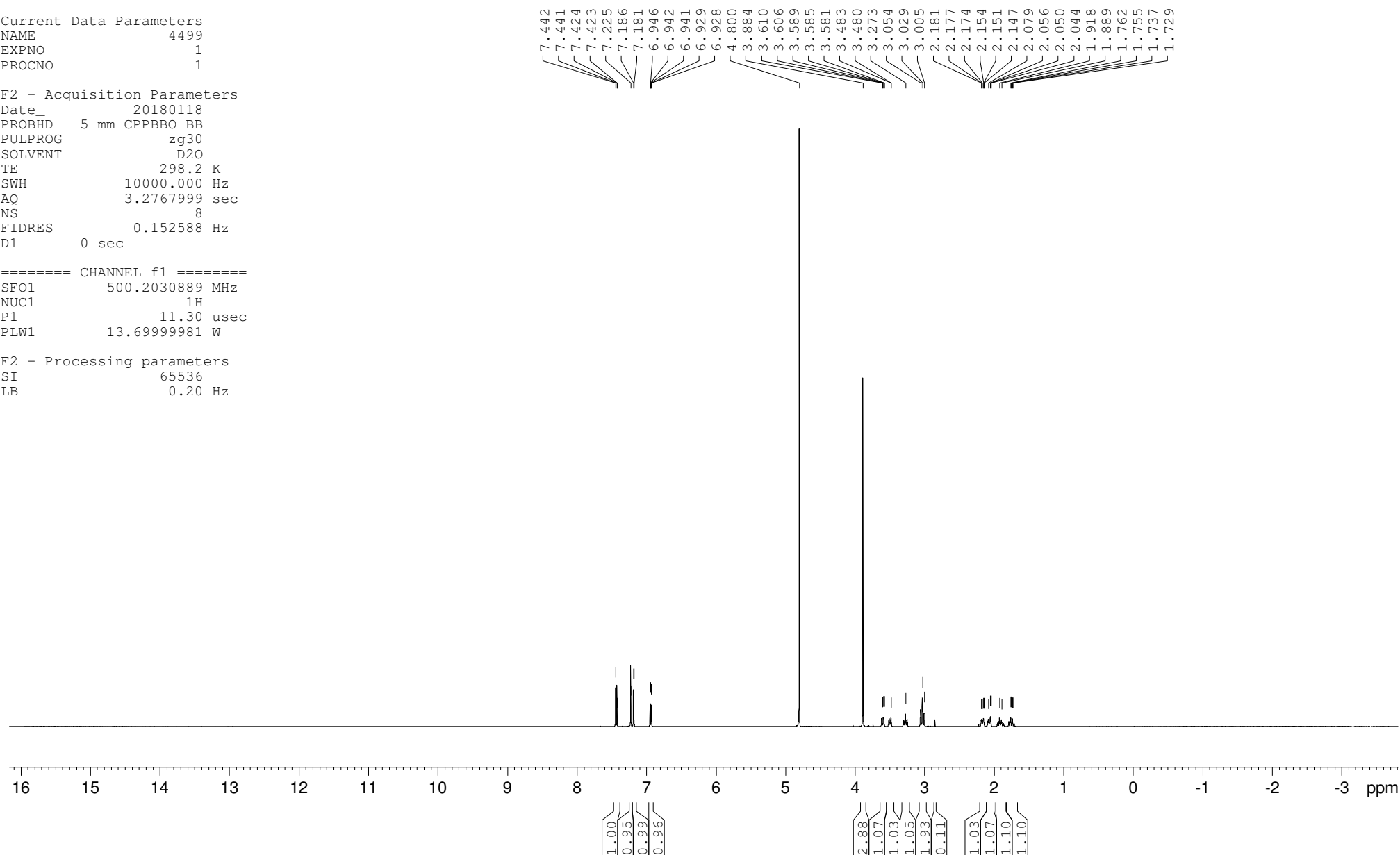
4499-1H
ExHCl 0,07

Current Data Parameters
NAME 4499
EXPNO 1
PROCNO 1

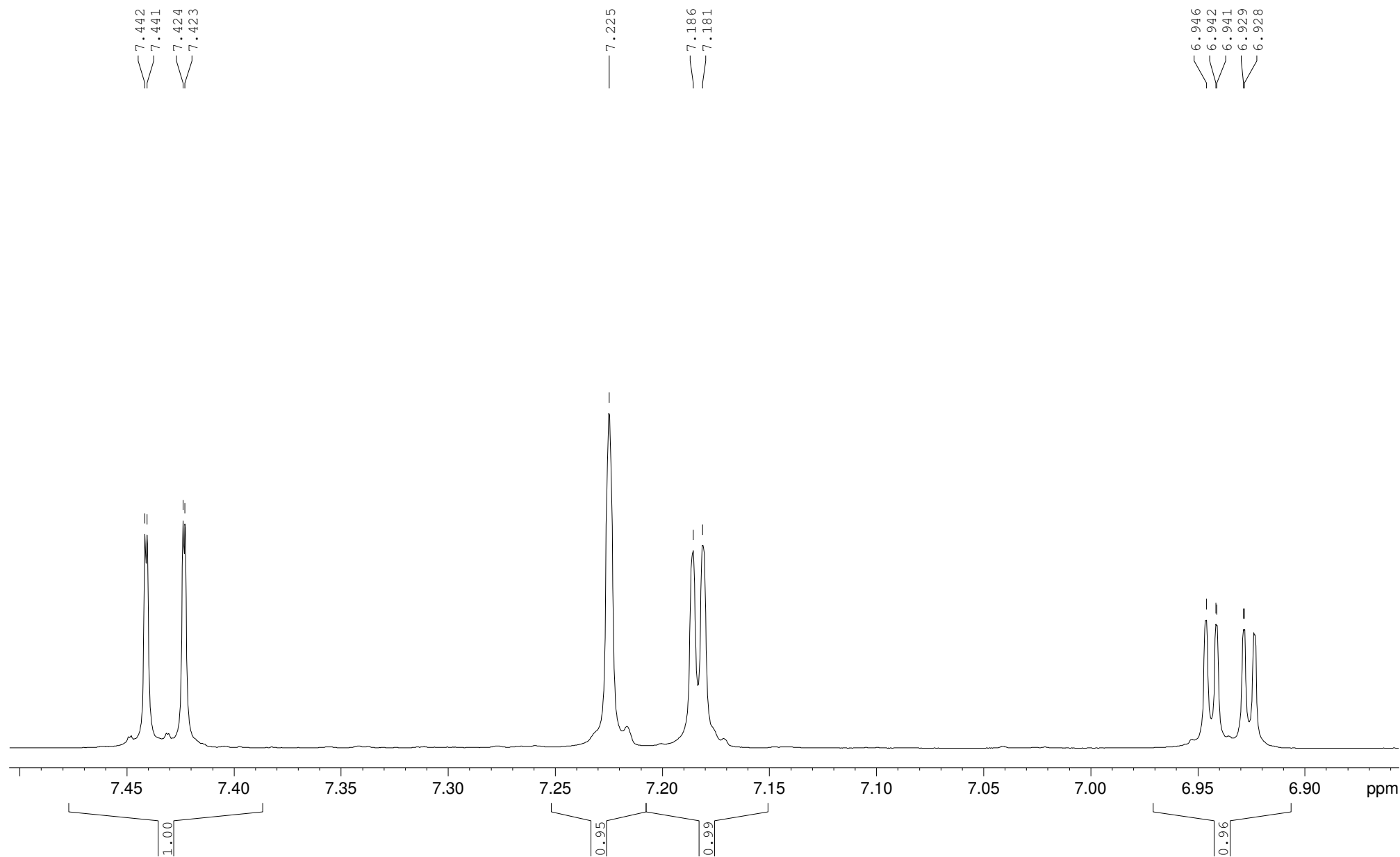
F2 - Acquisition Parameters
Date_ 20180118
PROBHD 5 mm CPPBBO BB
PULPROG zg30
SOLVENT D2O
TE 298.2 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 11.30 usec
PLW1 13.69999981 W

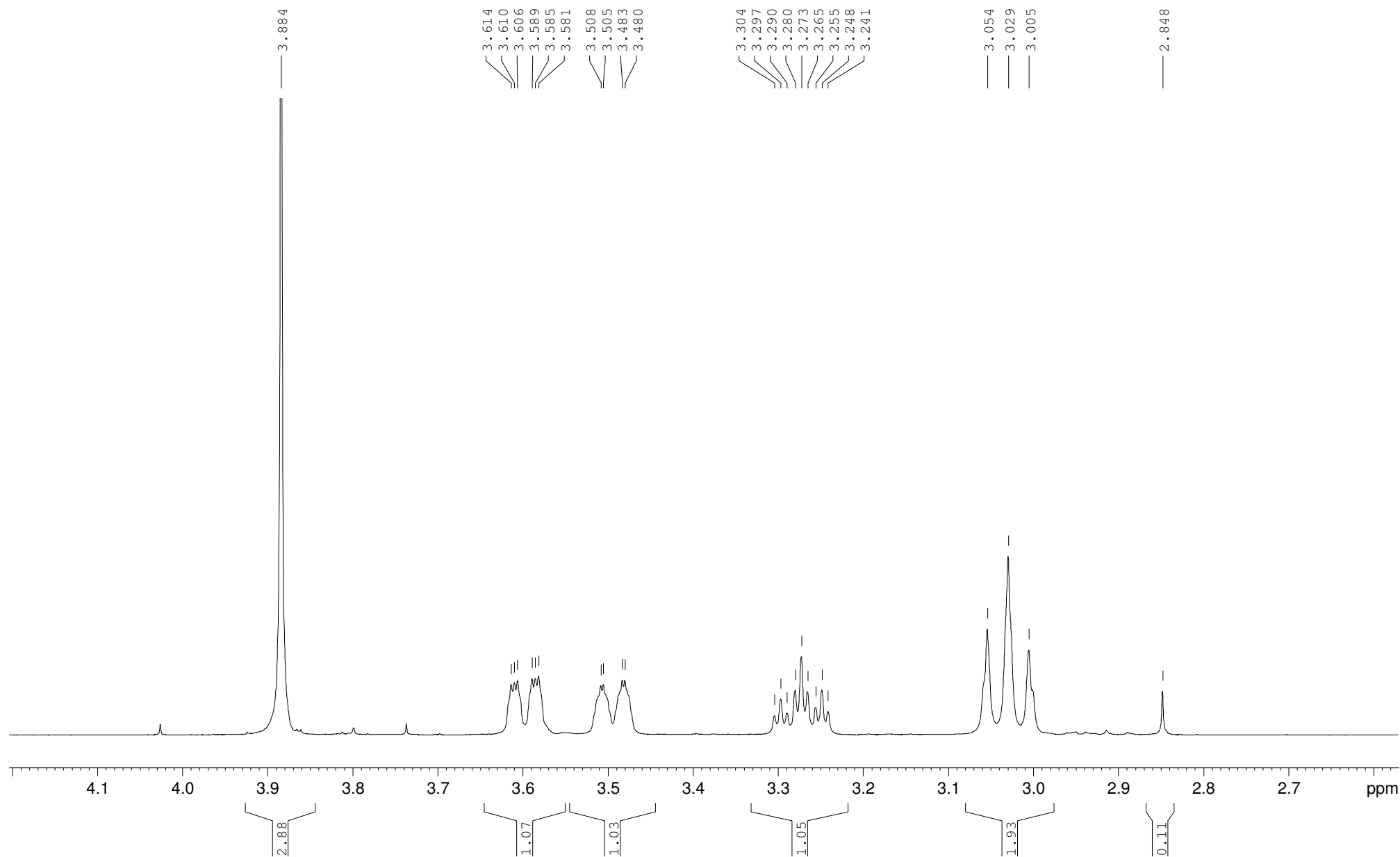
F2 - Processing parameters
SI 65536
LB 0.20 Hz



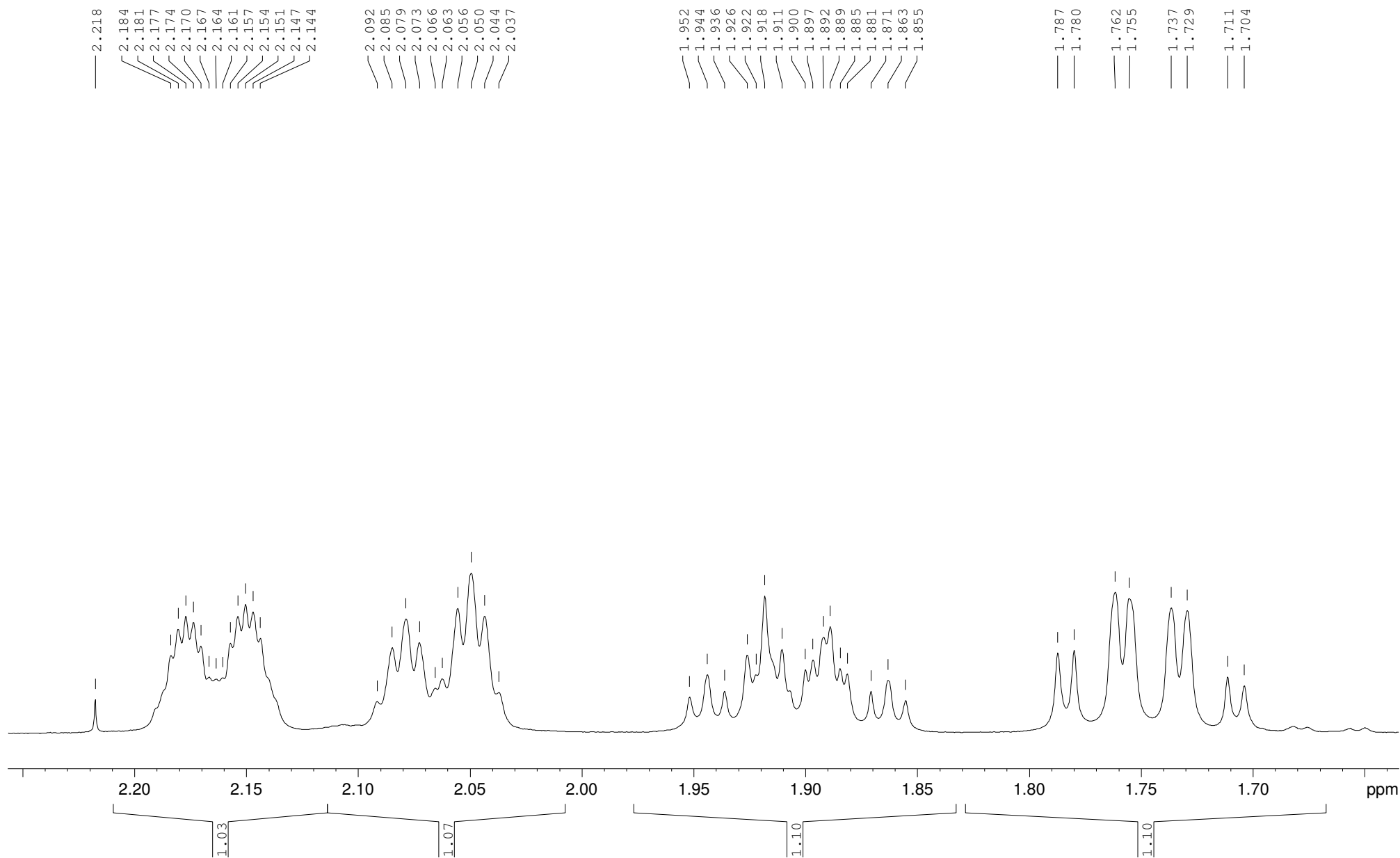
4499-1H
ExHCl 0,07



4499-1H
ExHCl 0,07



4499-1H
ExHCl 0,07



(S)-11c

1001-1H
A2

Current Data Parameters
NAME 1001
EXPNO 1
PROCNO 1

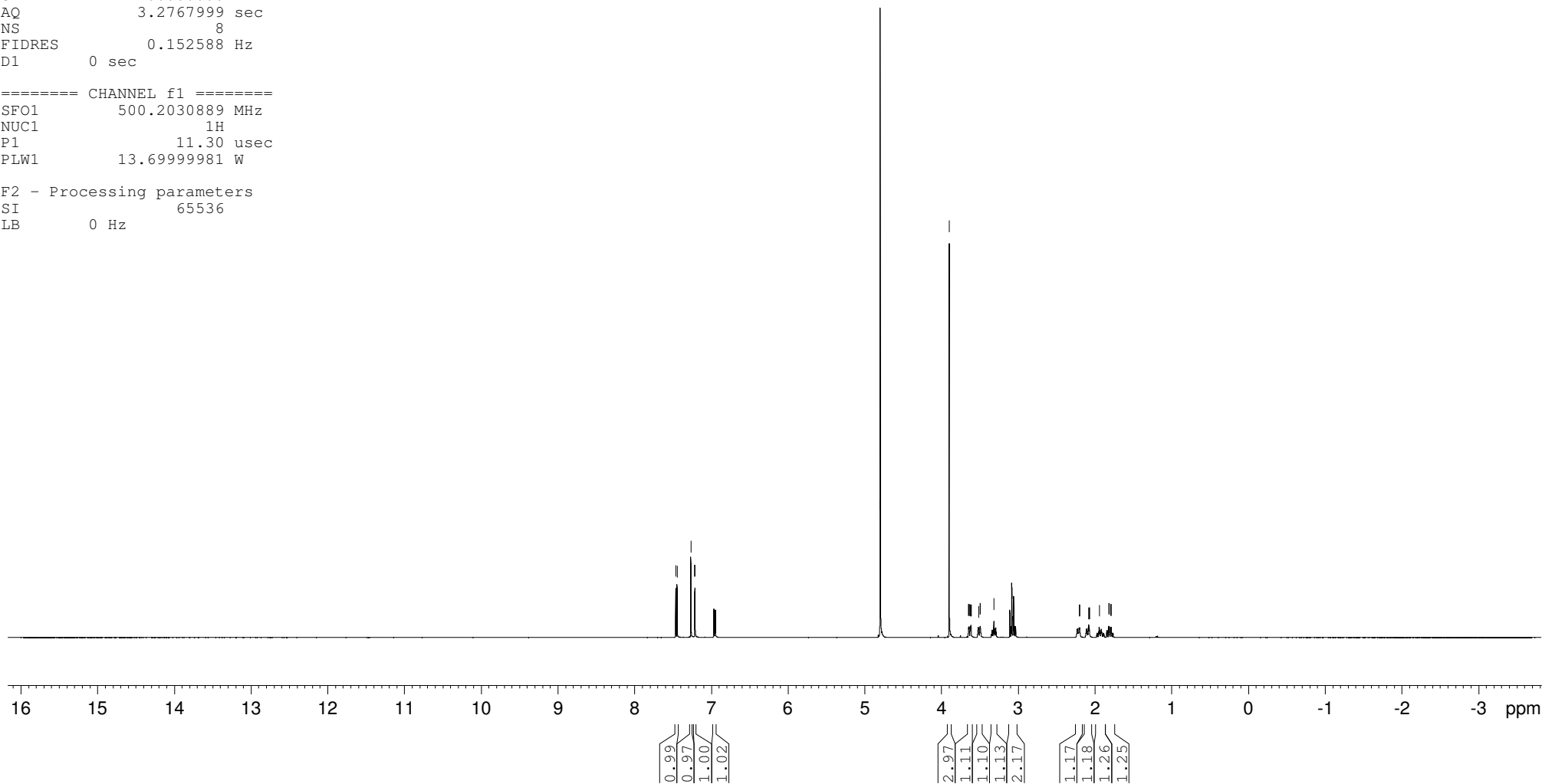
F2 - Acquisition Parameters
Date_ 20150323
PROBHD 5 mm CPPBBO BB
PULPROG zg30
SOLVENT D2O
TE 298.1 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 11.30 usec
PLW1 13.69999981 W

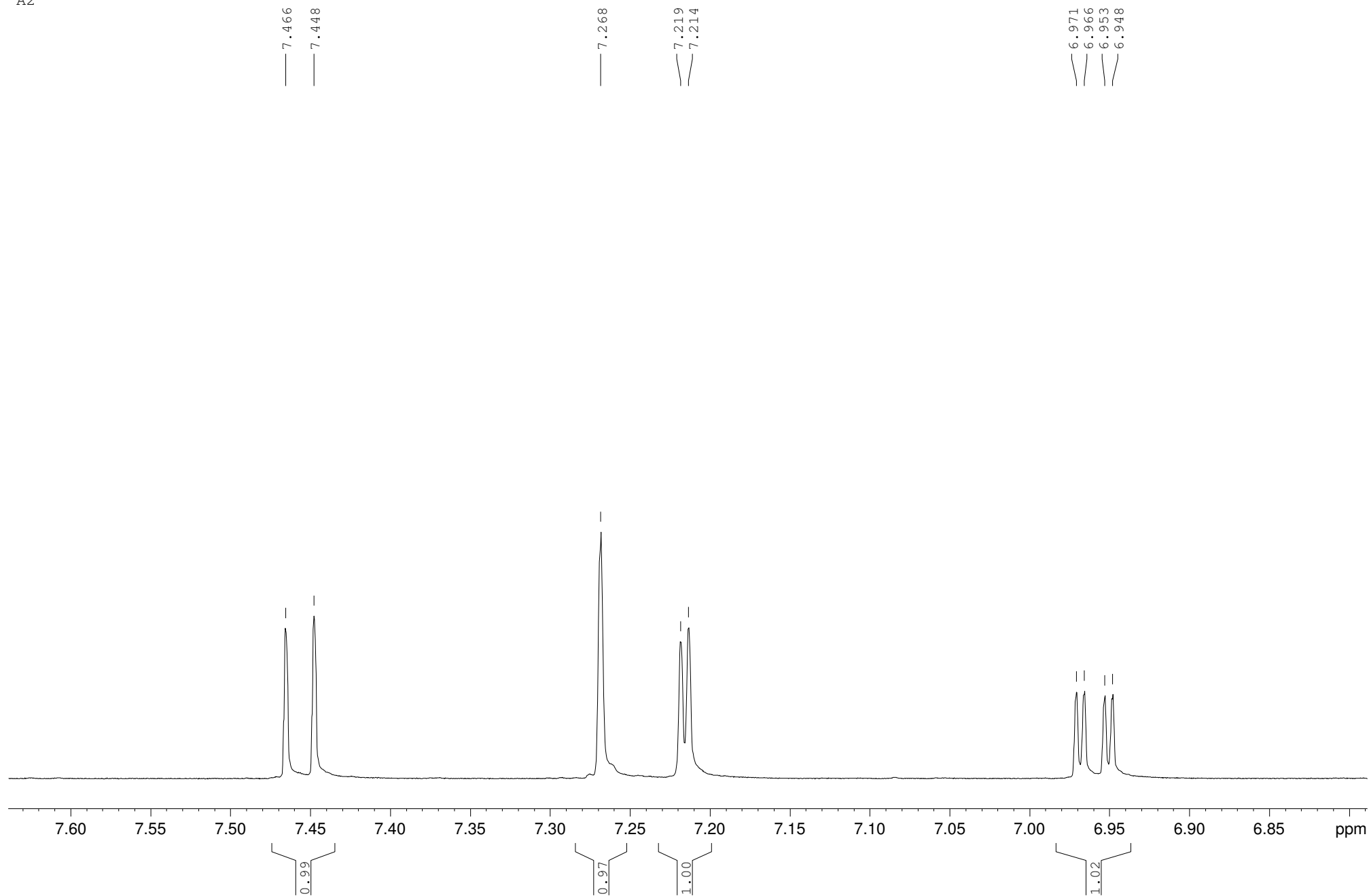
F2 - Processing parameters
SI 65536
LB 0 Hz

7.466
7.448
7.268
7.219
7.214

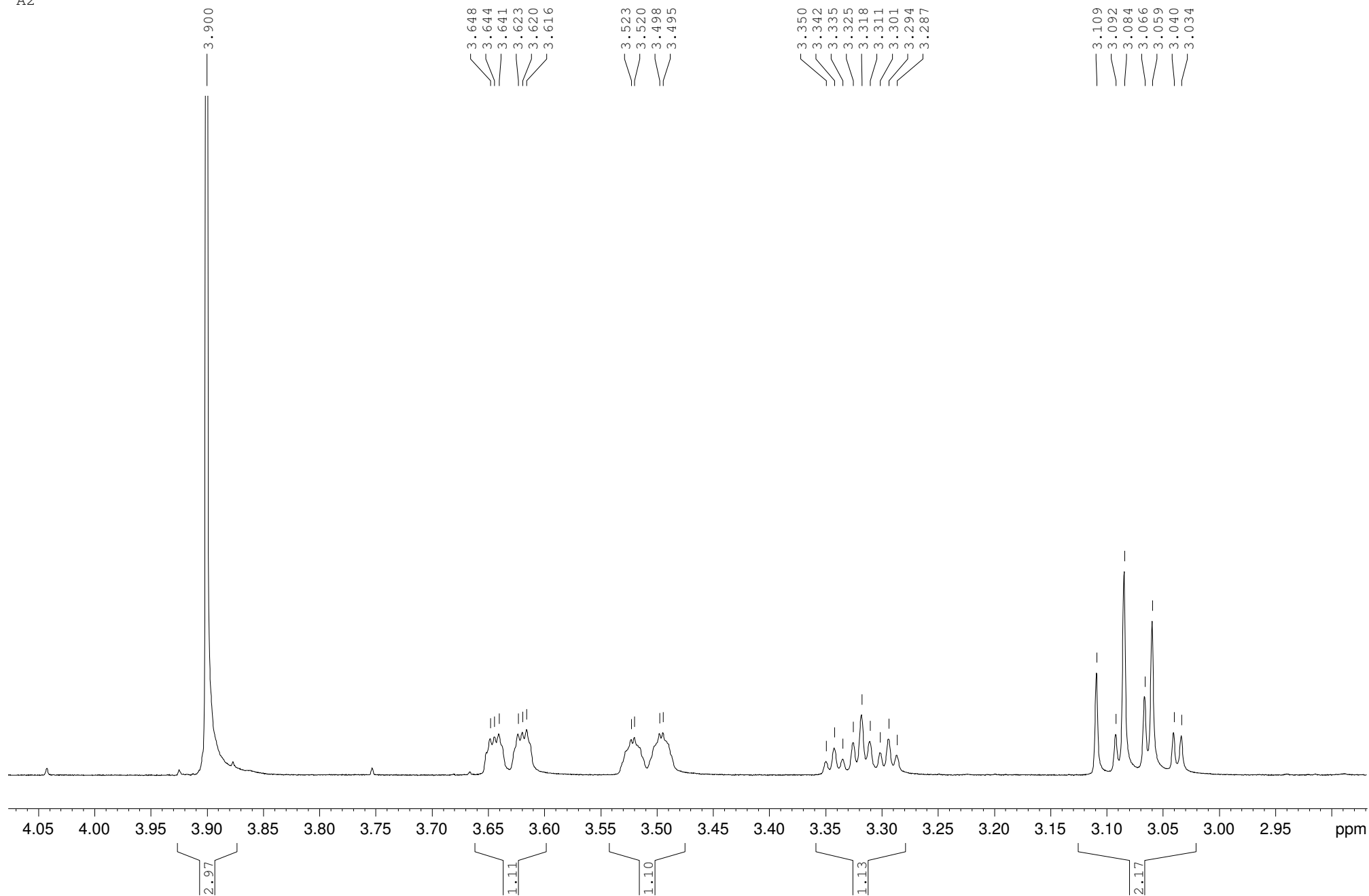
4.800
3.900
3.648
3.644
3.641
3.623
3.620
3.616
3.520
3.498
3.495
3.318
3.084
2.203
2.200
2.086
2.080
2.074
1.944
1.821
1.815
1.797
1.789



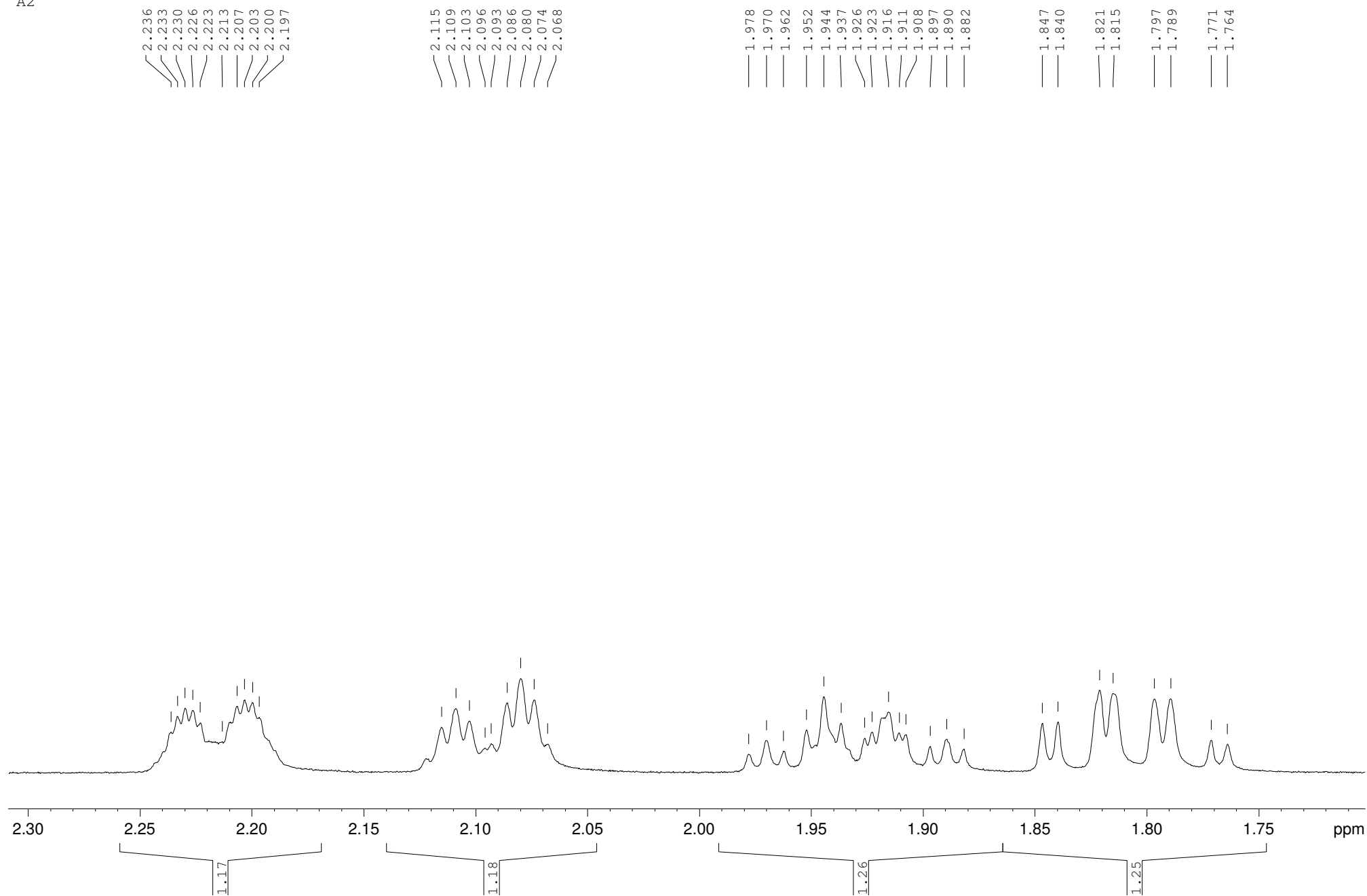
1001-1H
A2



1001-1H
A2



1001-1H
A2



1001-13C
A2

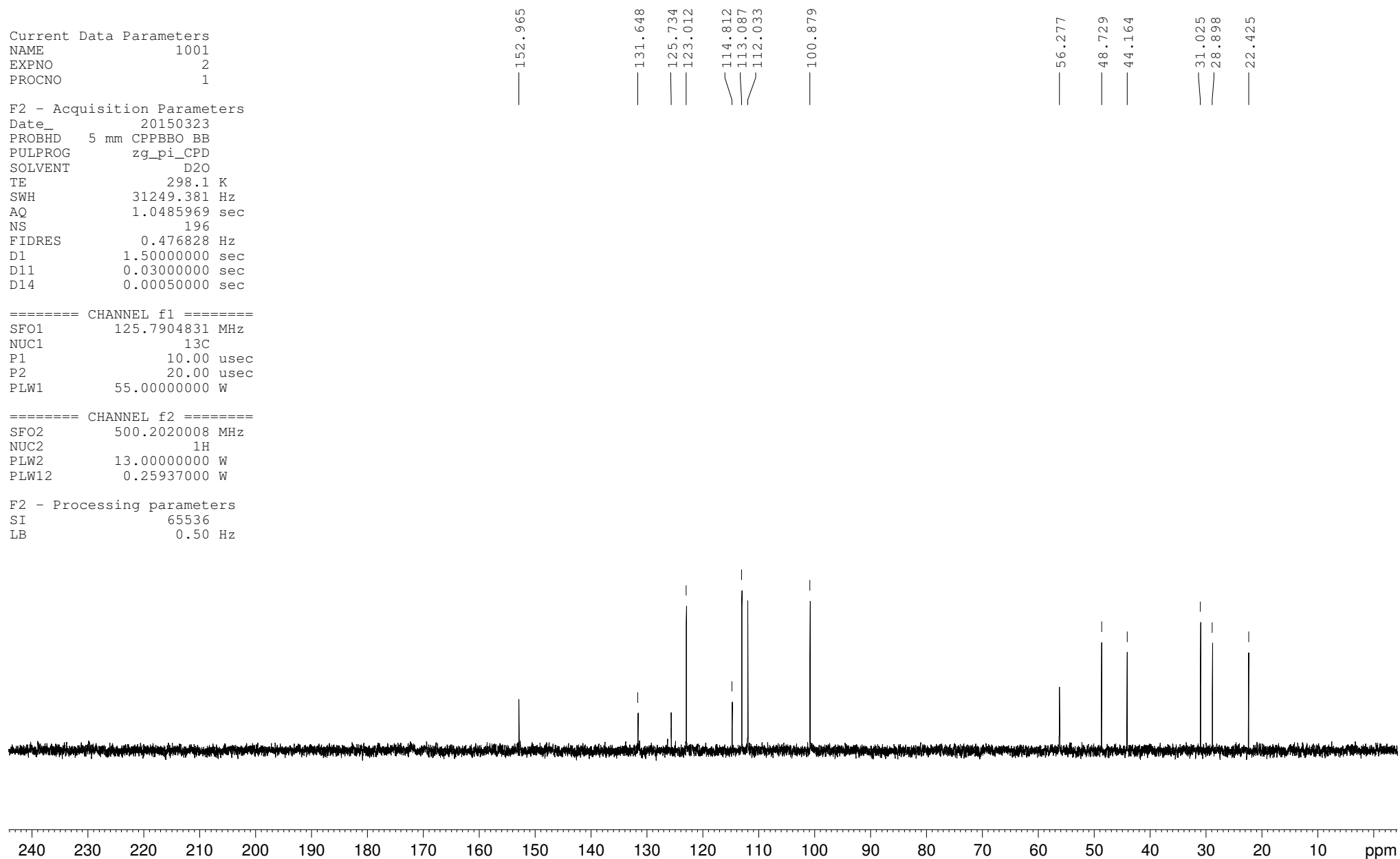
Current Data Parameters
NAME 1001
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150323
PROBHD 5 mm CPPBBO BB
PULPROG zg_pi_CPD
SOLVENT D2O
TE 298.1 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 196
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 10.00 usec
P2 20.00 usec
PLW1 55.00000000 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 13.00000000 W
PLW12 0.25937000 W

F2 - Processing parameters
SI 65536
LB 0.50 Hz



1001-COSY
A2

Current Data Parameters

NAME 1001
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters

Date_ 20150424
PROBHD 5 mm CPPBBO BB
PULPROG cosygpppqf
SOLVENT D2O
TE 298.1 K
SWH 4520.796 Hz
AQ 0.2265088 sec
NS 2
FIDRES 2.207420 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec

===== CHANNEL f1 =====

SFO1 500.2024010 MHz
NUC1 1H
P0 11.30 usec
P1 11.30 usec
P17 0 usec
PLW1 13.69999981 W
PLW10 2.58780003 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec

F1 - Acquisition parameters

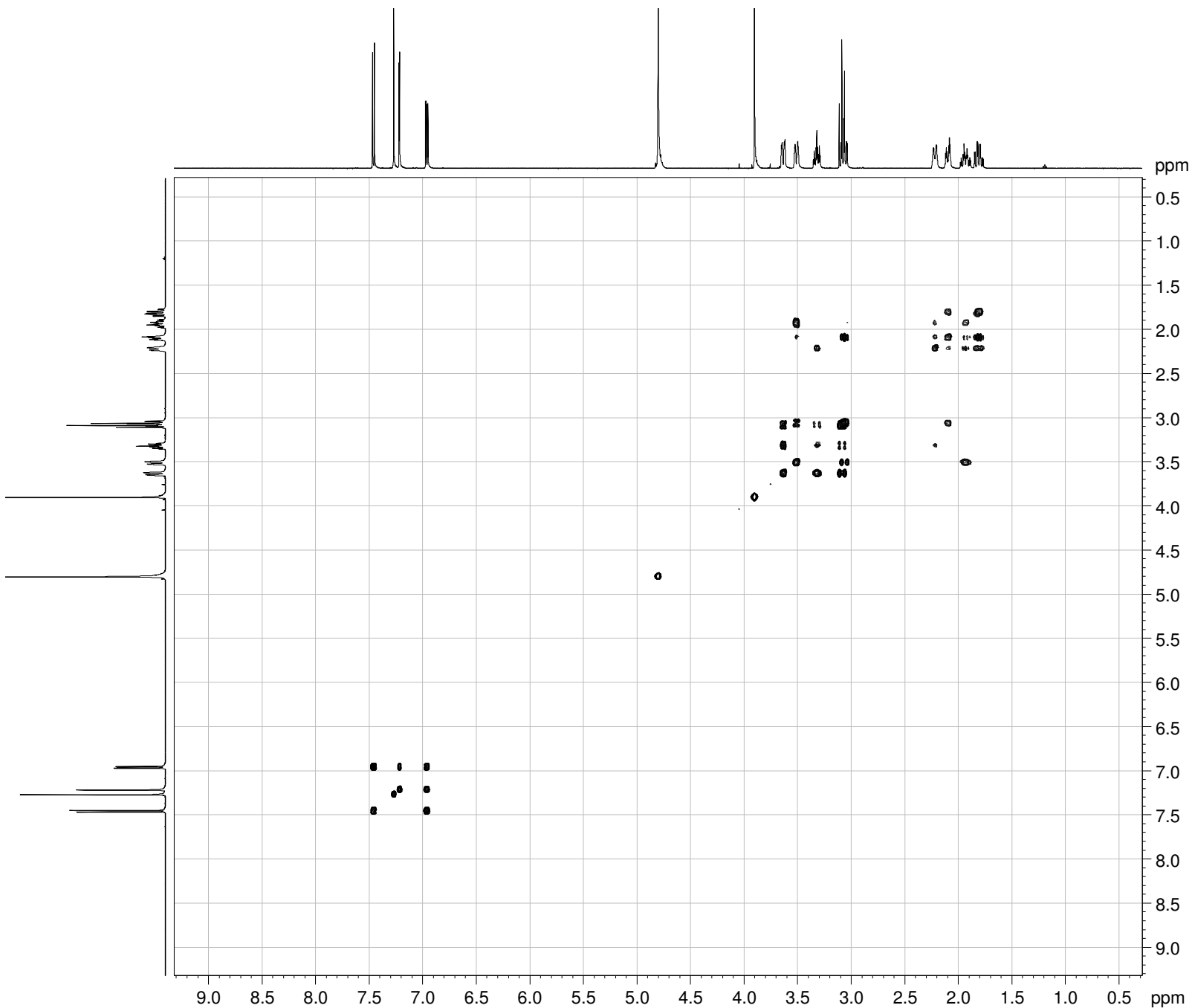
TD 512
SFO1 500.2024 MHz
FIDRES 8.829679 Hz
SW 9.038 ppm
FnMODE QF

F2 - Processing parameters

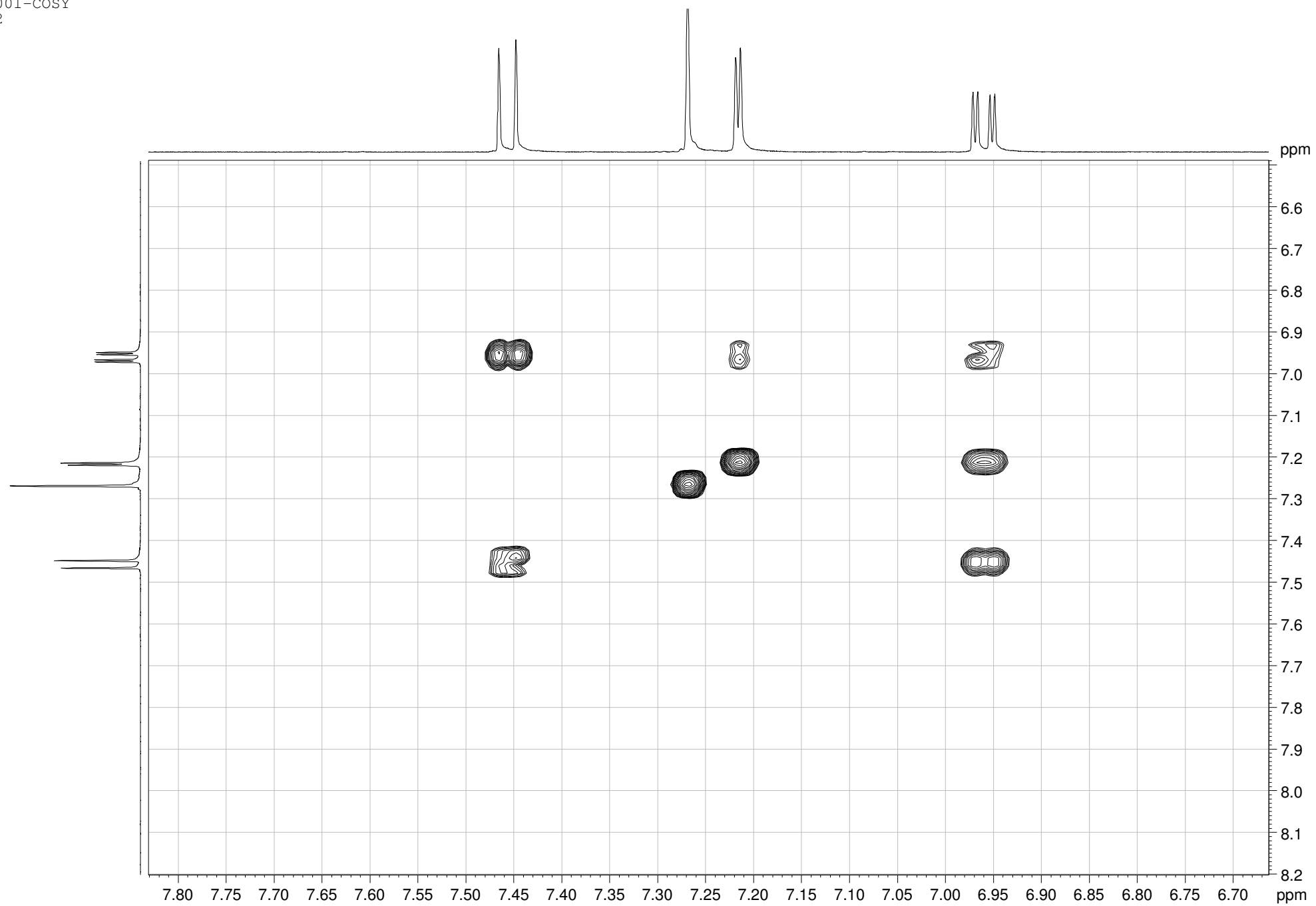
SI 2048
LB 0 Hz

F1 - Processing parameters

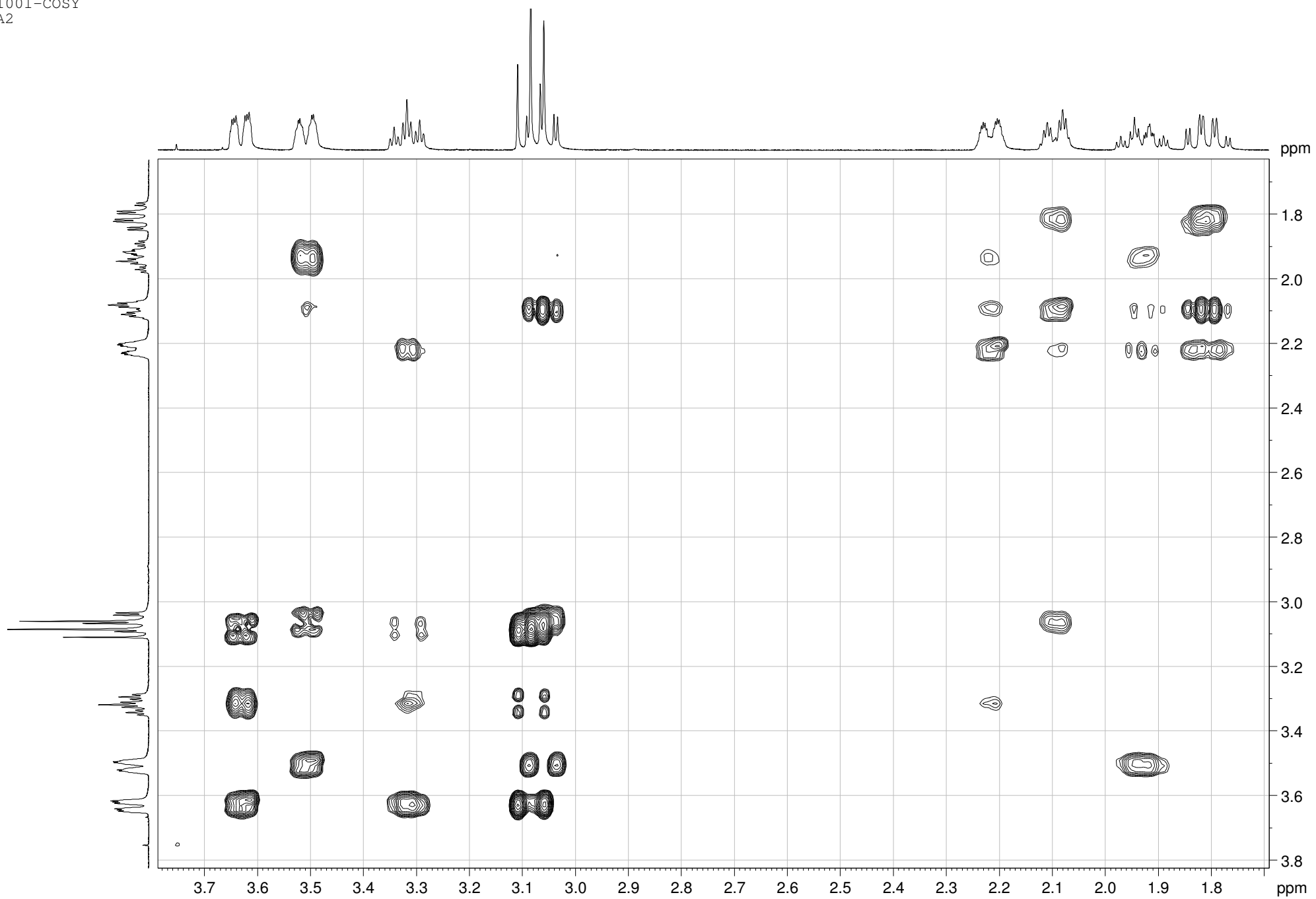
SI 512
MC2 QF
SF 500.2000000 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0



1001-COSY
A2



1001-COSY
A2



1001-HSQC
A2

Current Data Parameters

NAME 1001
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters

Date_ 20150424
PROBHD 5 mm CPPBBO BB
PULPROG hsqcedetgpsisp2.3
SOLVENT D2O
TE 298.1 K
SWH 4485.646 Hz
AQ 0.1799072 sec
NS 2
FIDRES 2.779211 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

===== CHANNEL f1 =====

SFO1 500.2022536 MHz
NUC1 1H
P1 11.30 usec
P2 22.60 usec
P28 0 usec
PLW1 13.69999981 W

===== CHANNEL f2 =====

SFO2 125.7860290 MHz
NUC2 13C
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 55.00000000 W
PLW12 1.30180001 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters

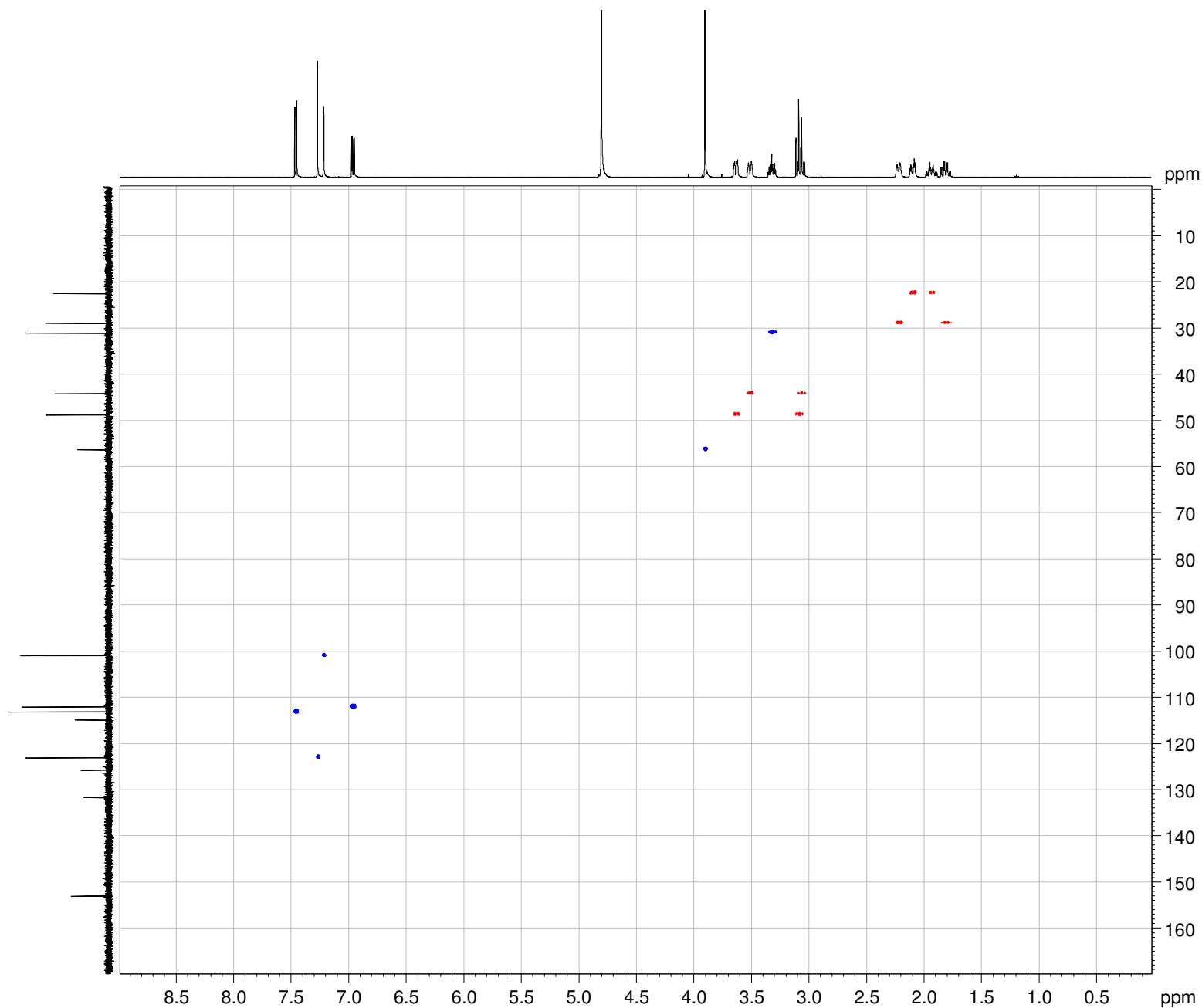
TD 512
SFO1 125.786 MHz
FIDRES 41.912552 Hz
SW 170.601 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters

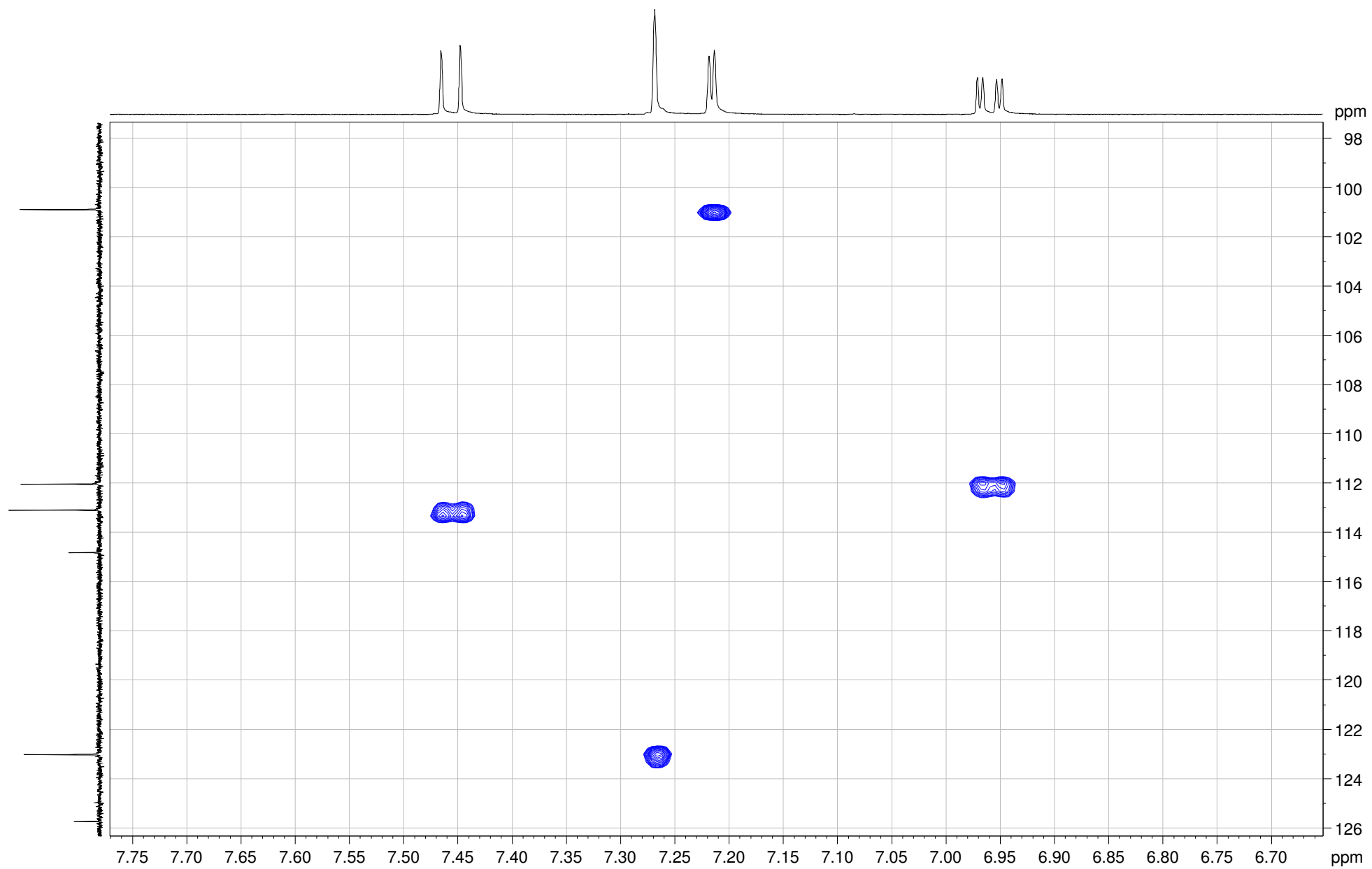
SI 2048
LB 0 Hz

F1 - Processing parameters

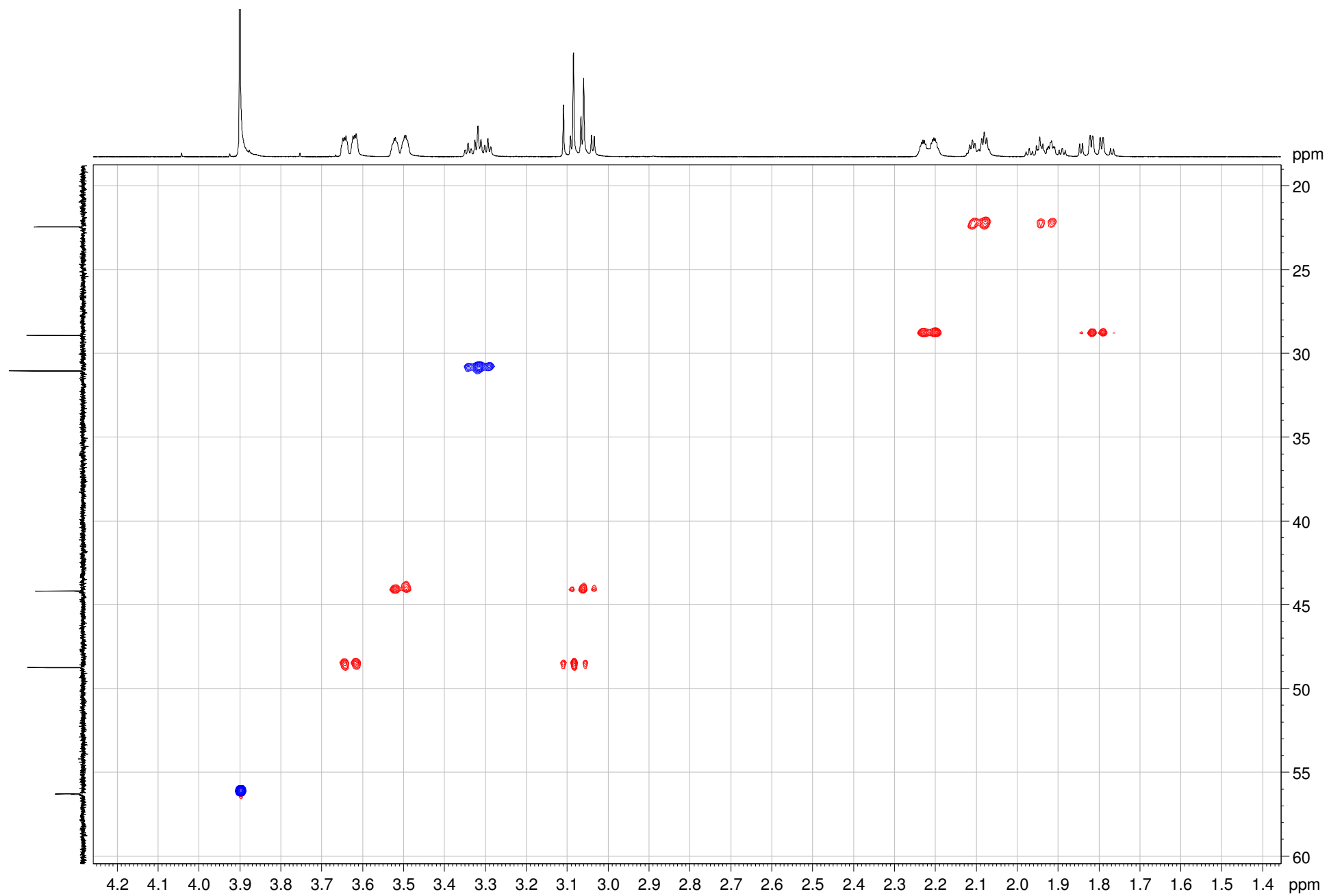
SI 512
MC2 echo-antiecho
SF 125.7753924 MHz
WDW QSINE
SSB 2
LB 0 Hz



1001-HSQC
A2



1001-HSQC
A2



(R)-12c

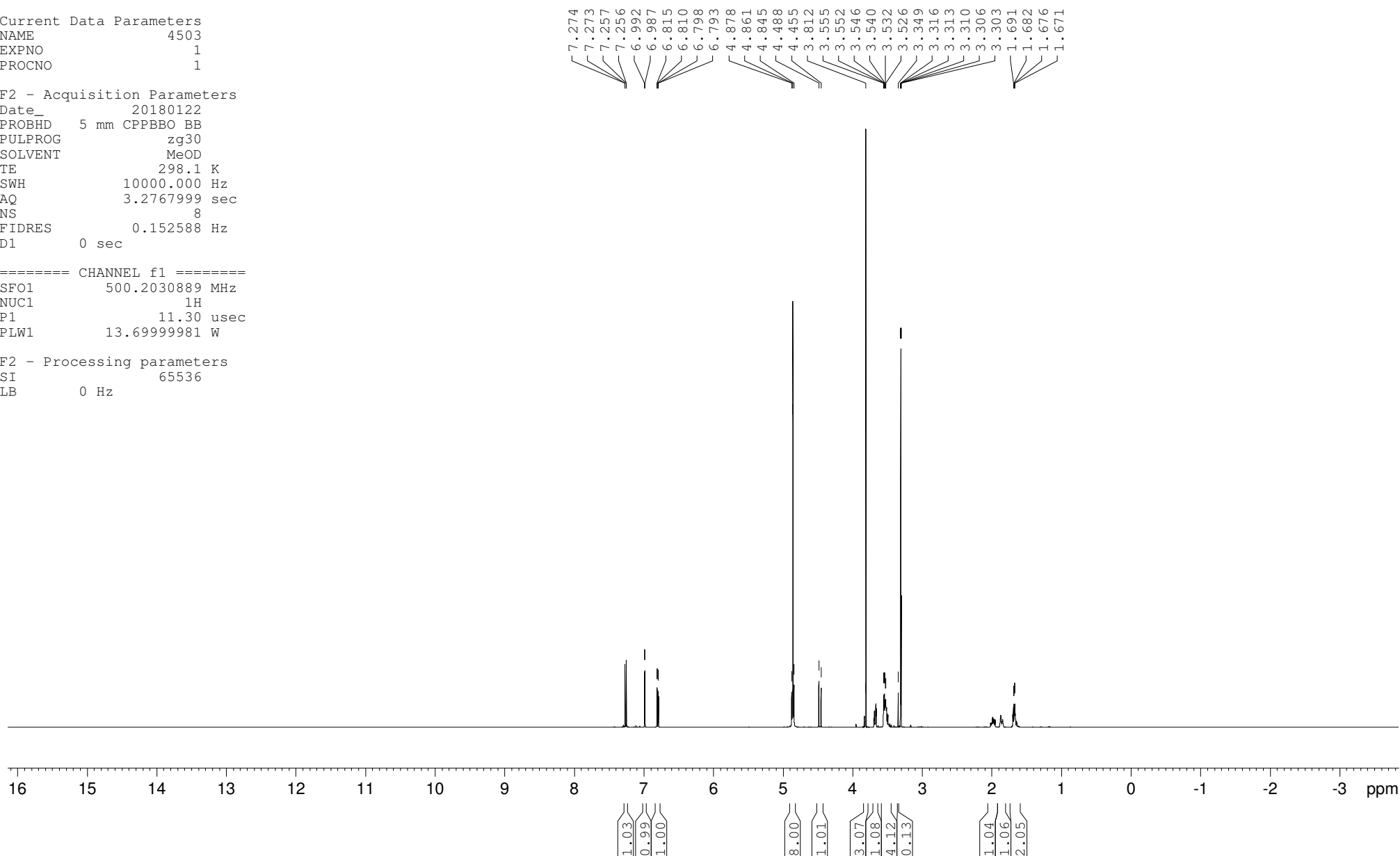
4503-1H
Cyk.E

Current Data Parameters
NAME 4503
EXPNO 1
PROCNO 1

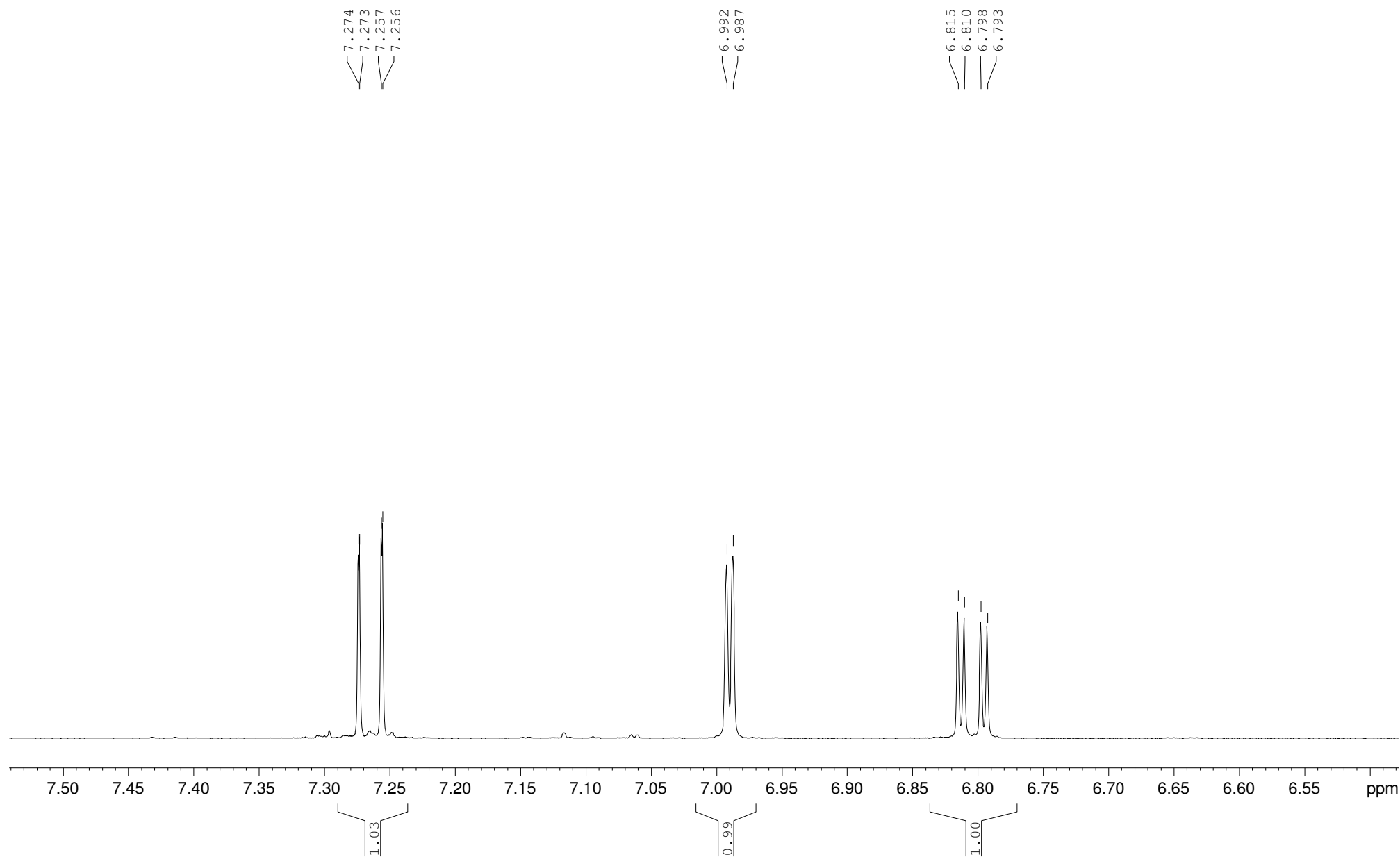
F2 - Acquisition Parameters
Date_ 20180122
PROBHD 5 mm CPPBBO BB
PULPROG zg30
SOLVENT MeOD
TE 298.1 K
SWH 10000.000 Hz
AQ 3.2767999 sec
NS 8
FIDRES 0.152588 Hz
D1 0 sec

===== CHANNEL f1 =====
SFO1 500.2030889 MHz
NUC1 1H
P1 11.30 usec
PLW1 13.6999981 W

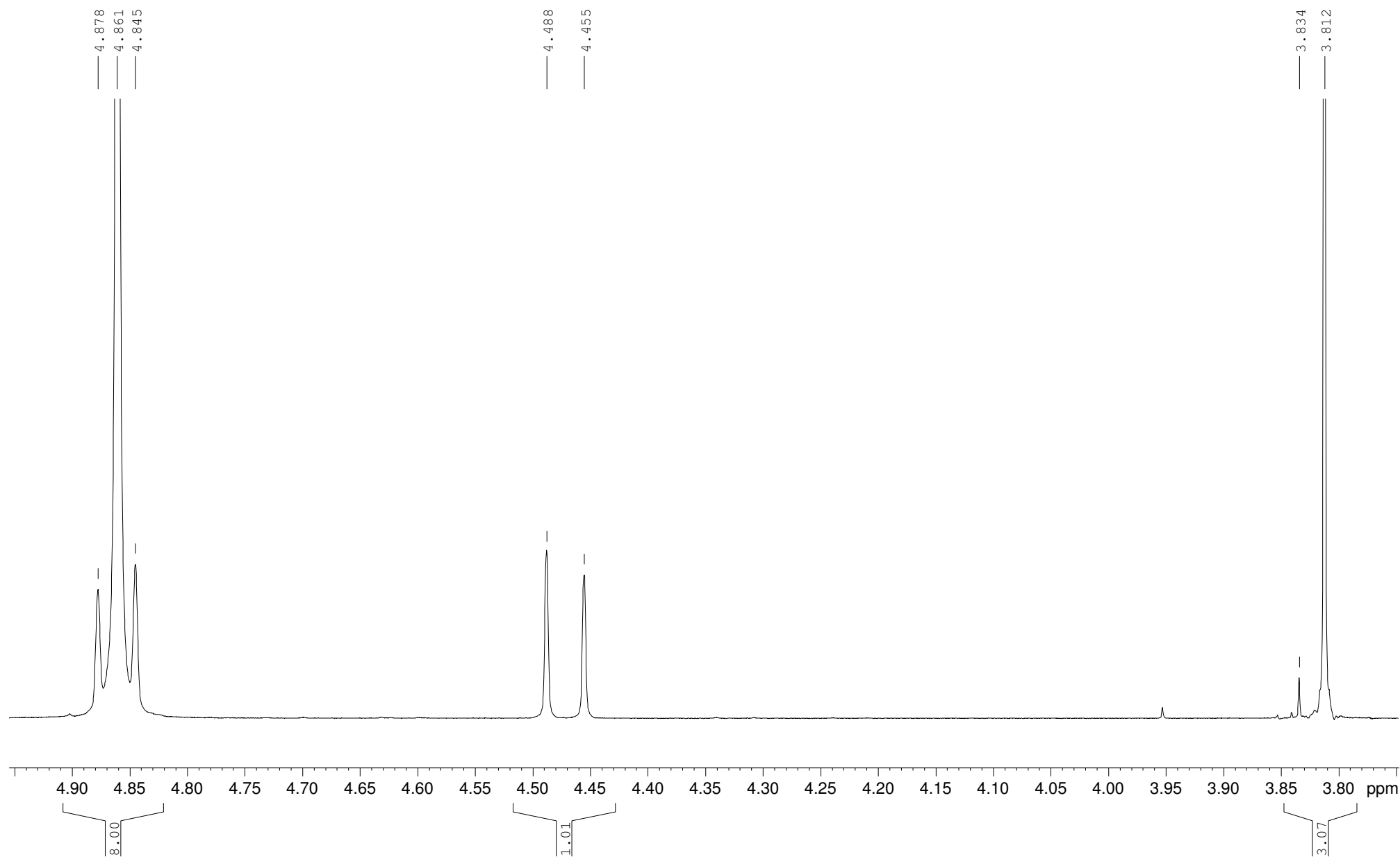
F2 - Processing parameters
SI 65536
LB 0 Hz



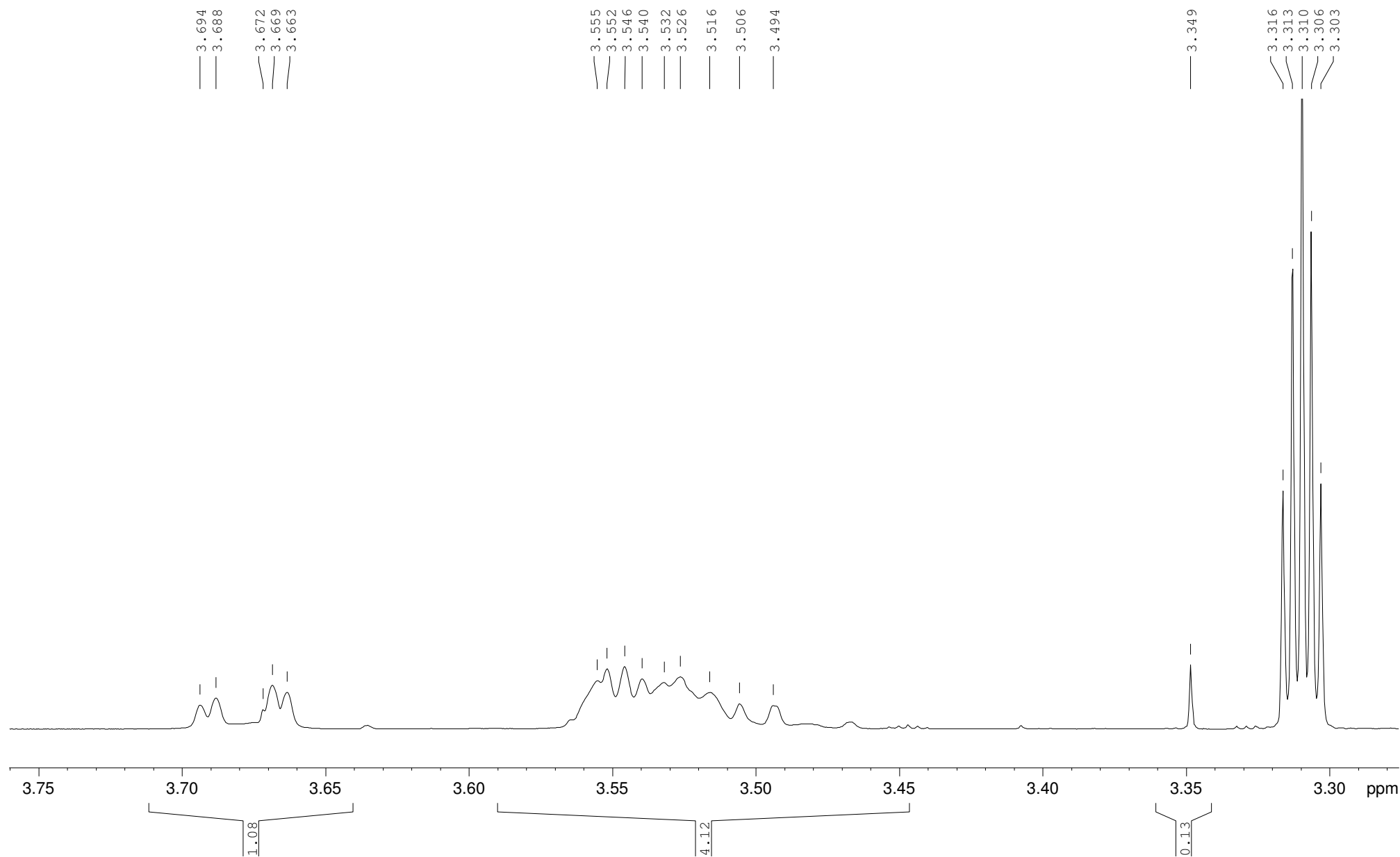
4503-1H
Cyk.E



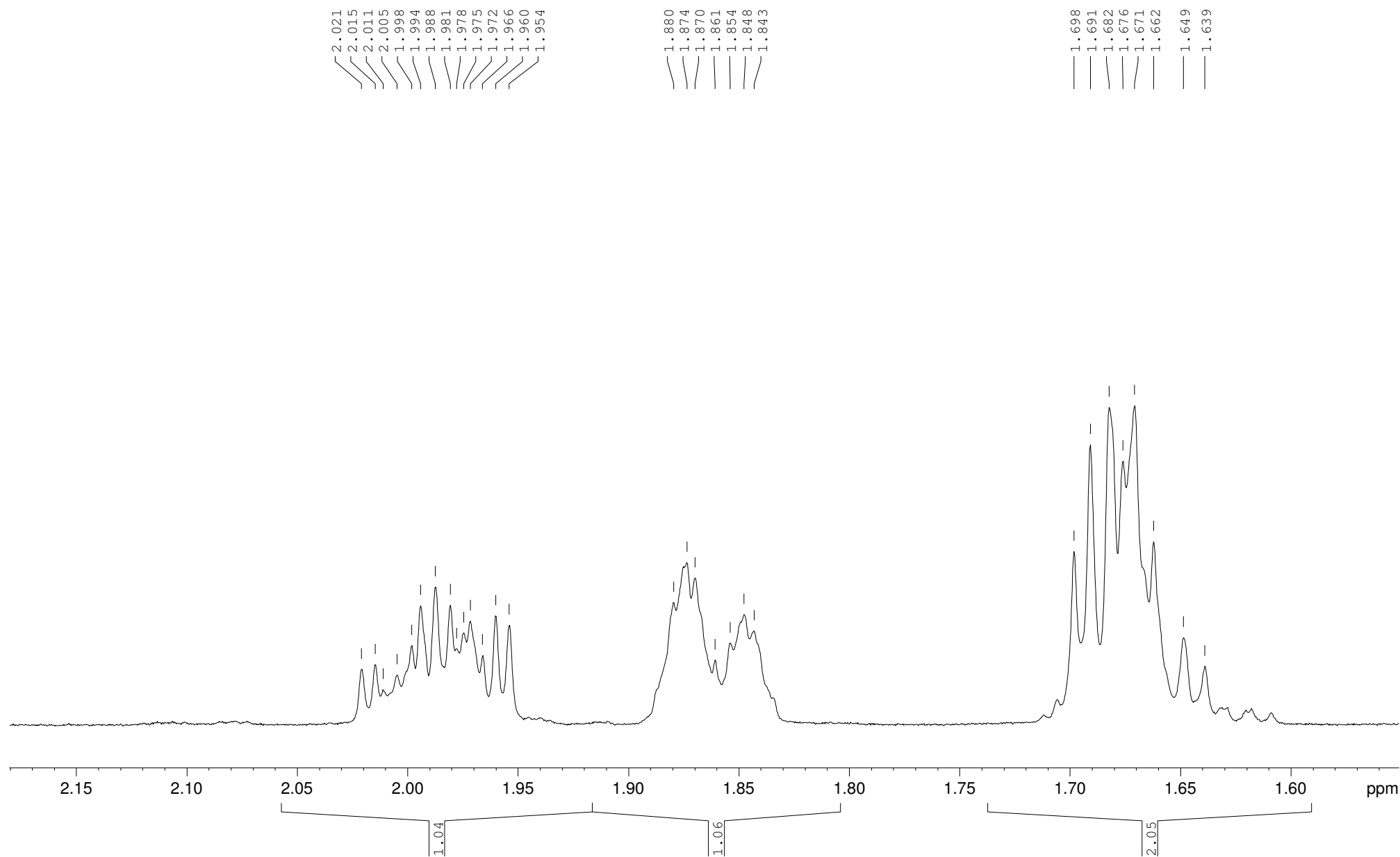
4503-1H
Cyk.E



4503-1H
Cyk.E



4503-1H
Cyk.E



4503-13C
Cyk.E

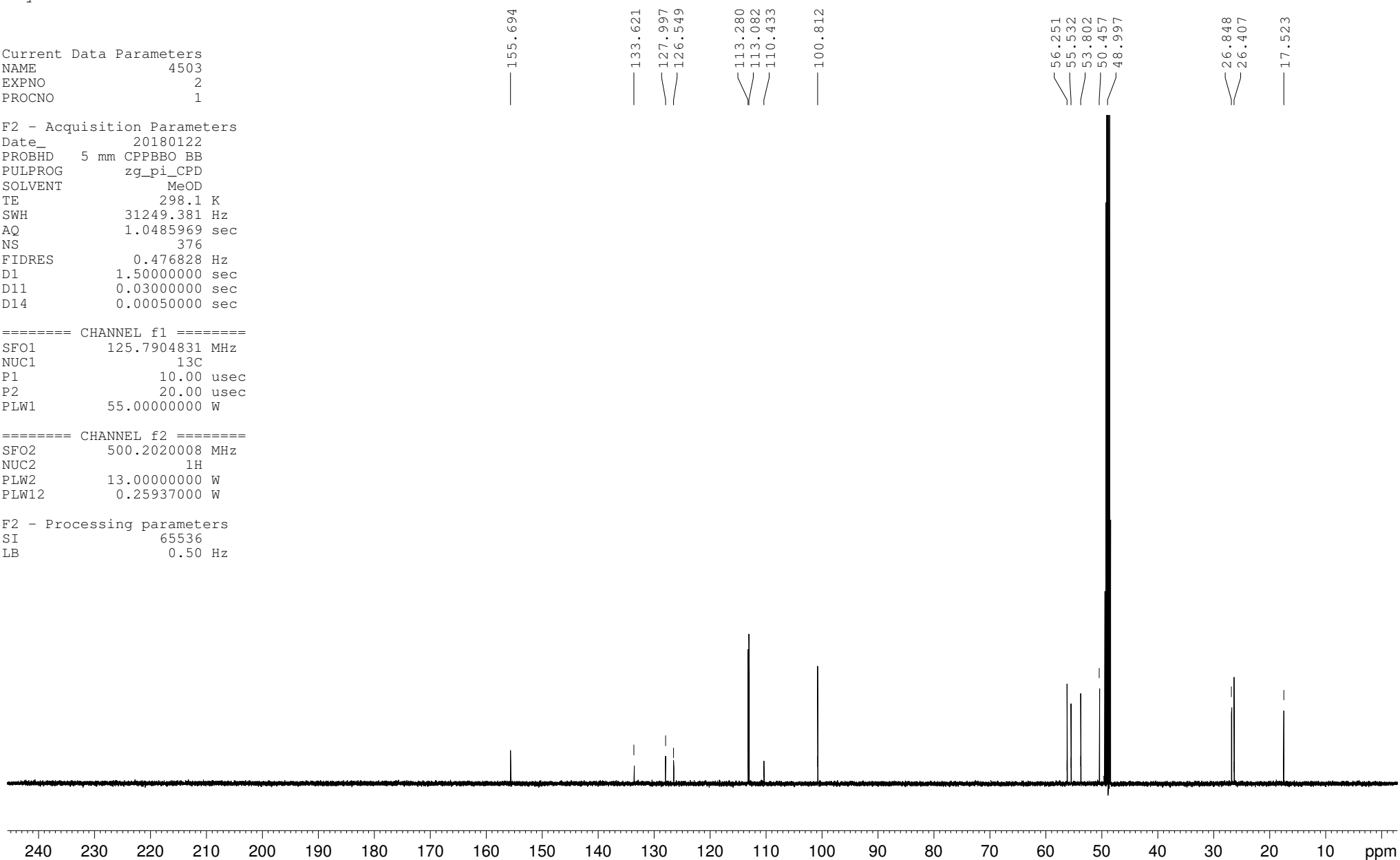
Current Data Parameters
NAME 4503
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180122
PROBHD 5 mm CPPBBO BB
PULPROG zg_pi_CPD
SOLVENT MeOD
TE 298.1 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 376
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

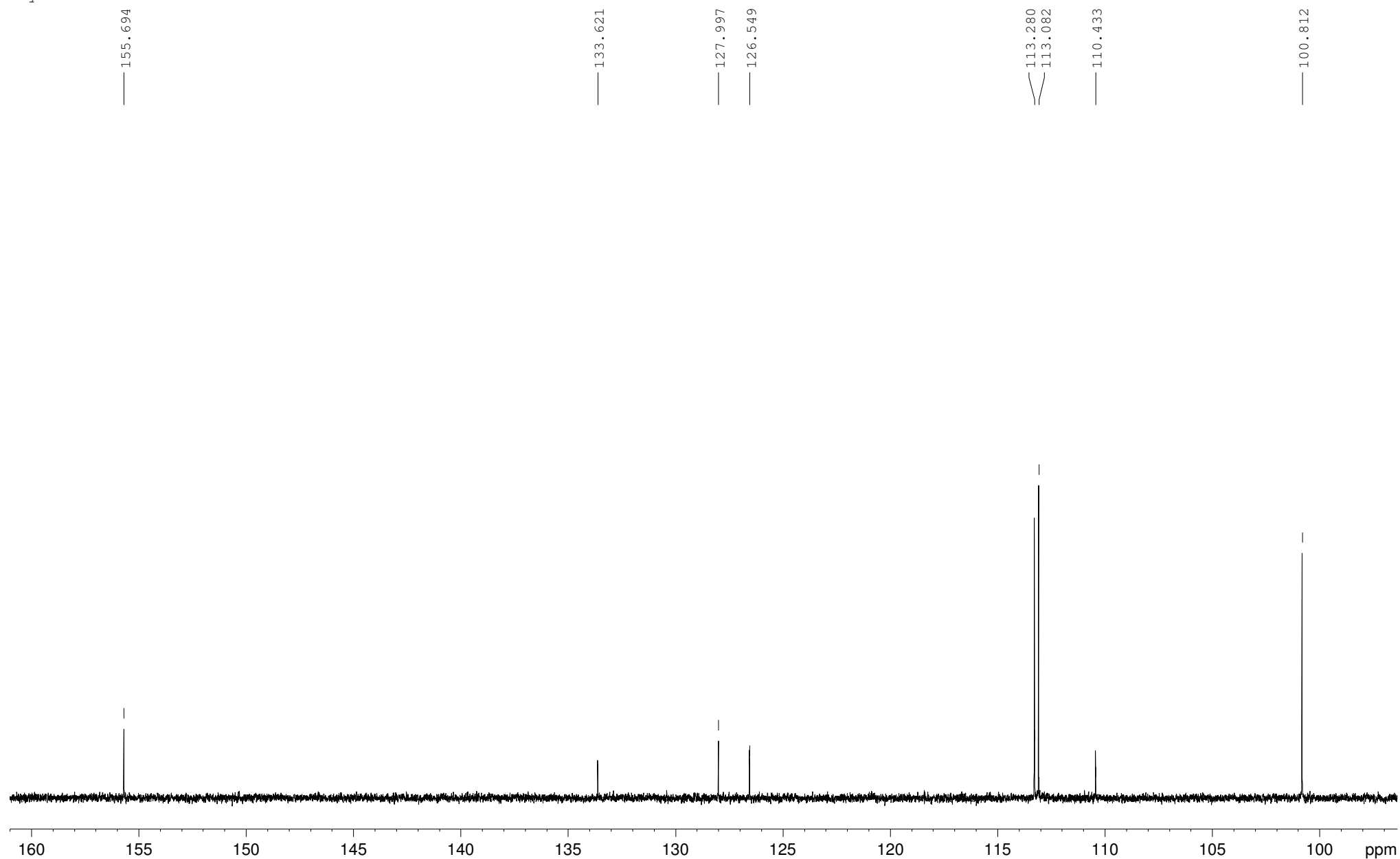
===== CHANNEL f1 =====
SFO1 125.7904831 MHz
NUC1 13C
P1 10.00 usec
P2 20.00 usec
PLW1 55.00000000 W

===== CHANNEL f2 =====
SFO2 500.2020008 MHz
NUC2 1H
PLW2 13.00000000 W
PLW12 0.25937000 W

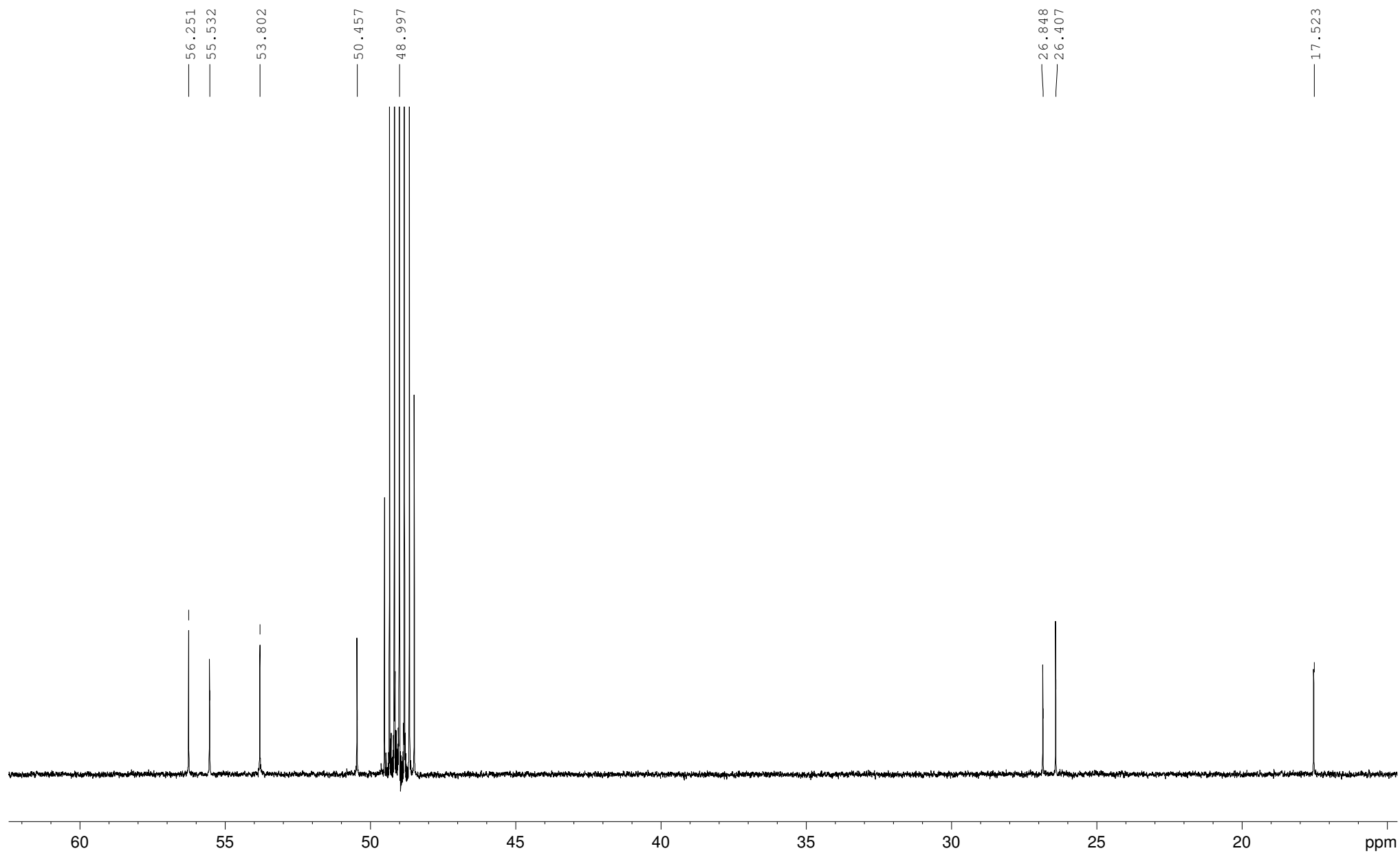
F2 - Processing parameters
SI 65536
LB 0.50 Hz



4503-13C
Cyk. E



4503-13C
Cyk.E



4503-COSY
Cyk.E

Current Data Parameters

NAME 4503
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters

Date_ 20180122
PROBHD 5 mm CPPBBO BB
PULPROG cosygpppqf
SOLVENT MeOD
TE 298.1 K
SWH 4761.905 Hz
AQ 0.1999200 sec
NS 1
FIDRES 2.501000 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec

===== CHANNEL f1 =====

SFO1 500.2021430 MHz
NUC1 1H
P0 11.30 usec
P1 11.30 usec
P17 0 usec
PLW1 13.69999981 W
PLW10 2.58780003 W

===== GRADIENT CHANNEL =====

P16 1000.00 usec

F1 - Acquisition parameters

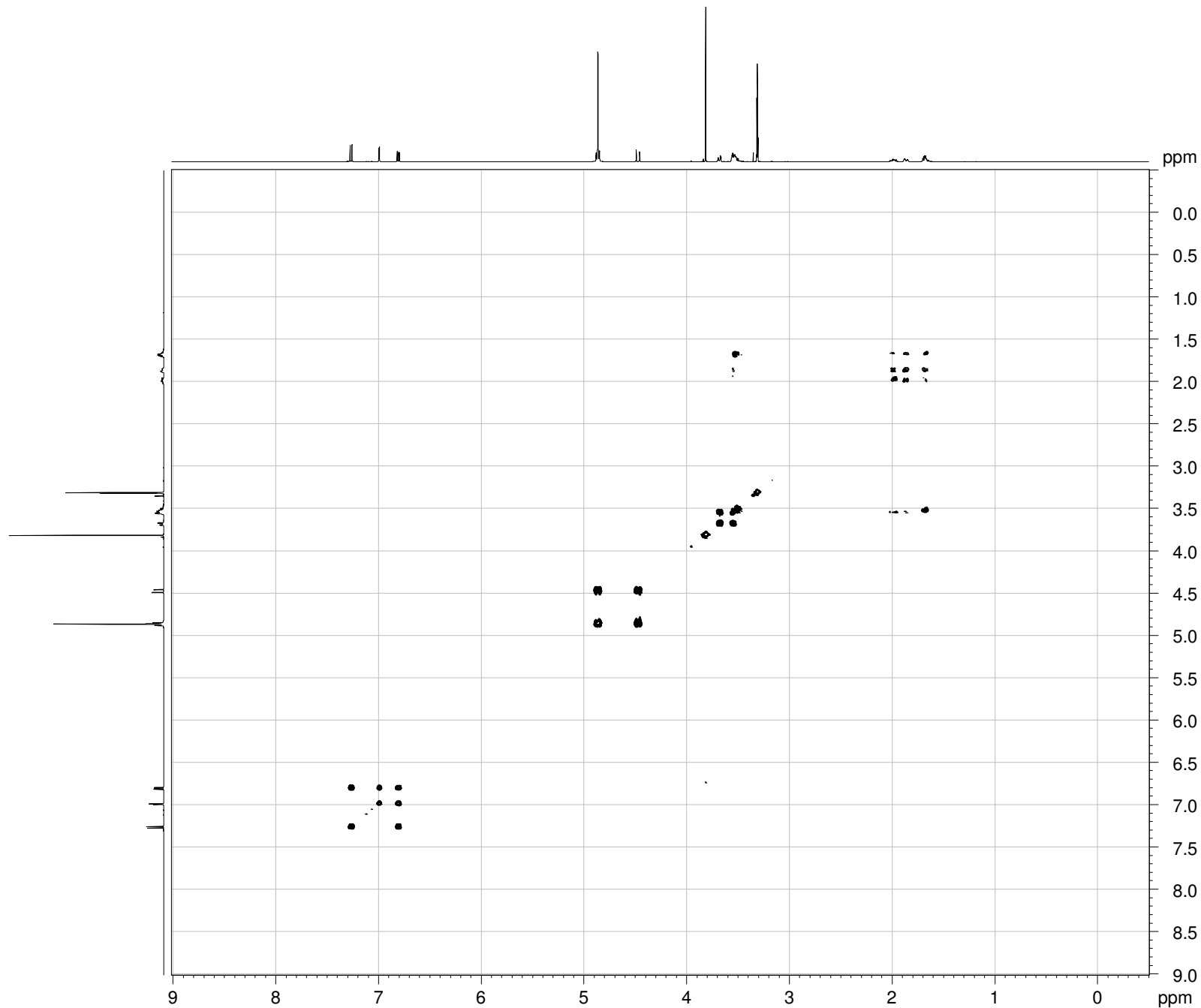
TD 128
SFO1 500.2021 MHz
FIDRES 37.202381 Hz
SW 9.520 ppm
FnMODE QF

F2 - Processing parameters

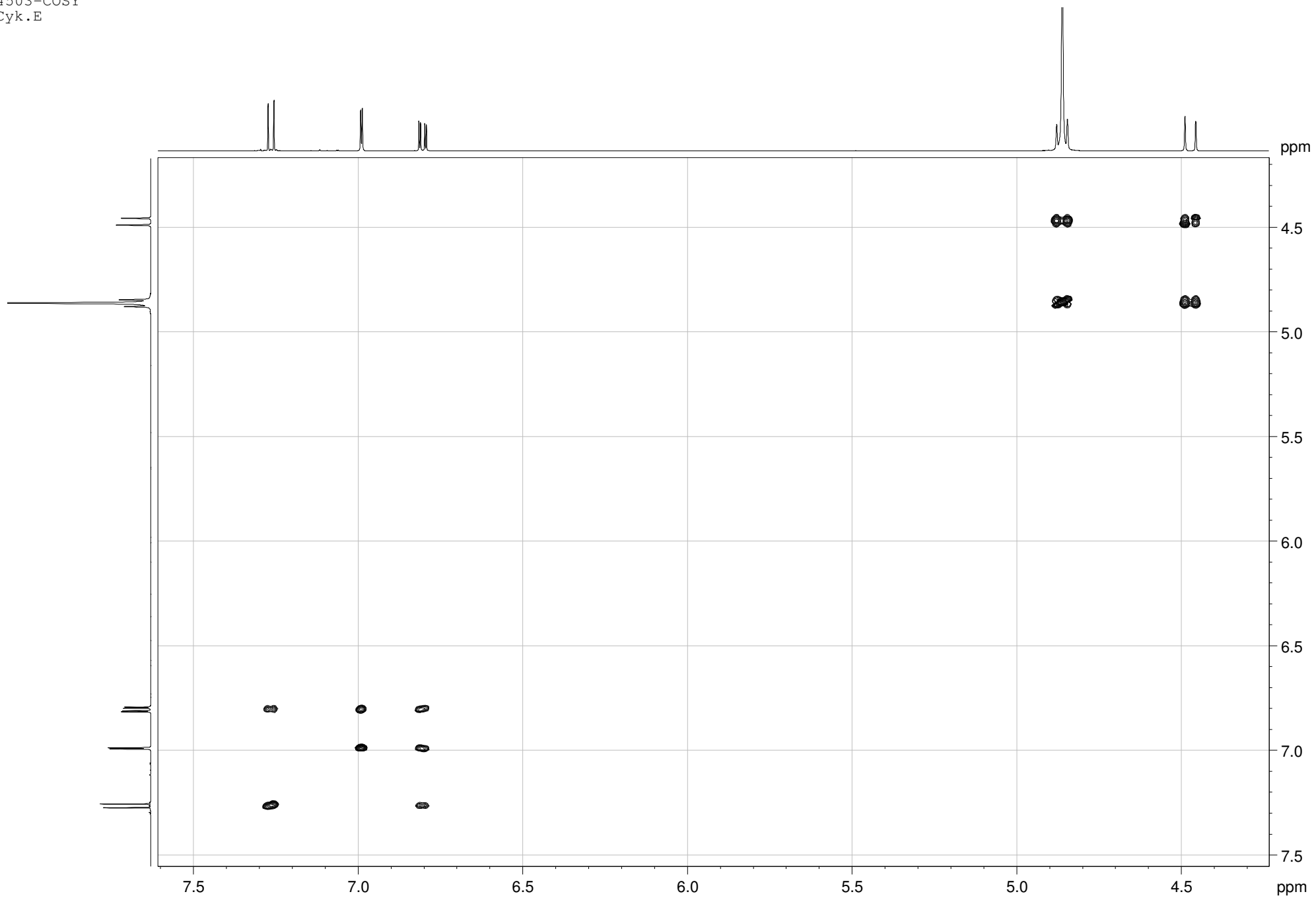
SI 2048
LB 0 Hz

F1 - Processing parameters

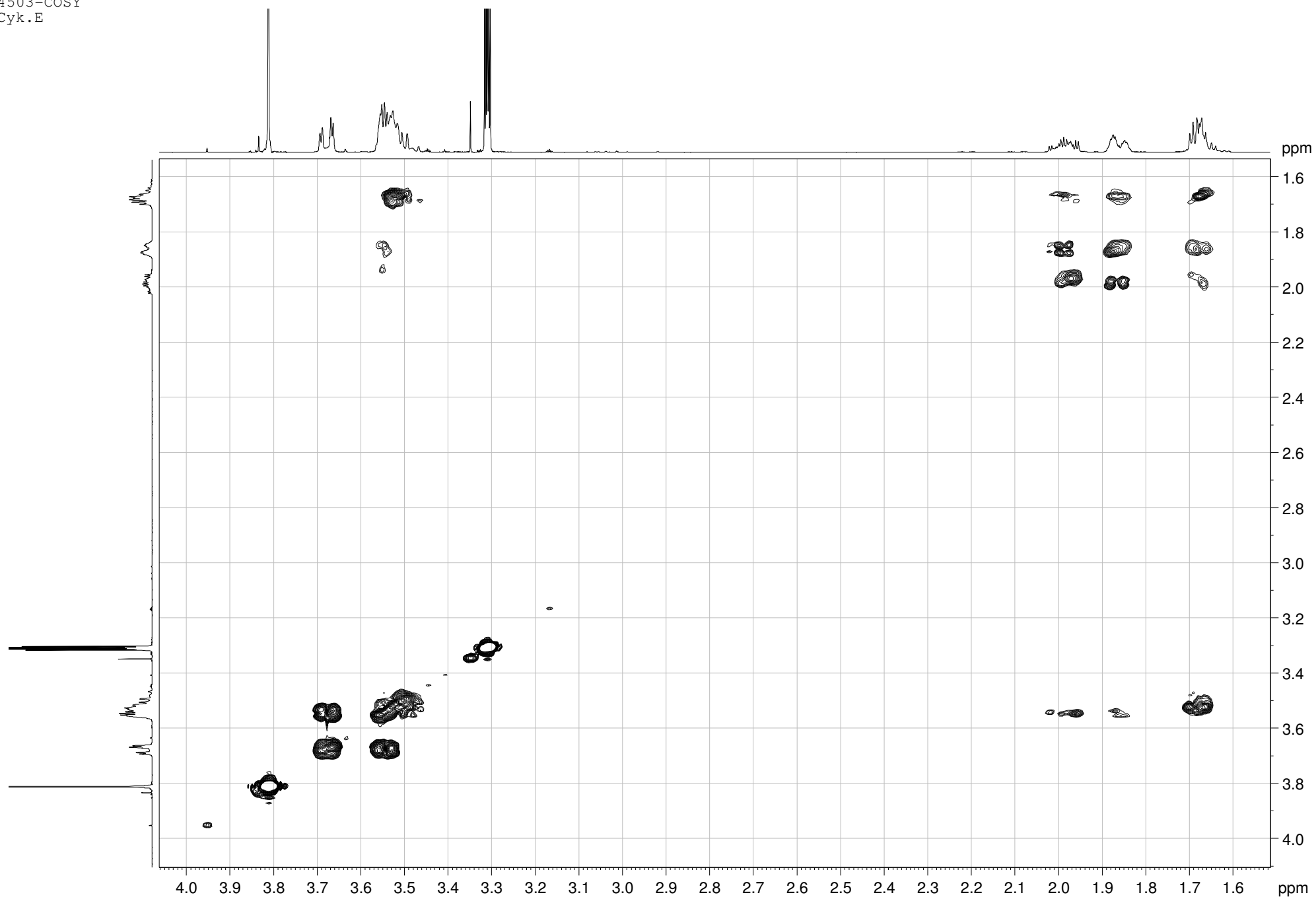
SI 1024
MC2 QF
SF 500.2000147 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0



4503-COSY
Cyk.E



4503-COSY
Cyk.E



4503-HSQC
Cyk.E

Current Data Parameters
NAME 4503
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180122
PROBHD 5 mm CPPBBO BB
PULPROG hsqcedetgpsisp2.3
SOLVENT MeOD
TE 298.1 K
SWH 4761.905 Hz
AQ 0.2150400 sec
NS 2
FIDRES 2.325149 Hz
D0 0.00000300 sec
D1 2.00000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D21 0.00360000 sec
D24 0.00089000 sec

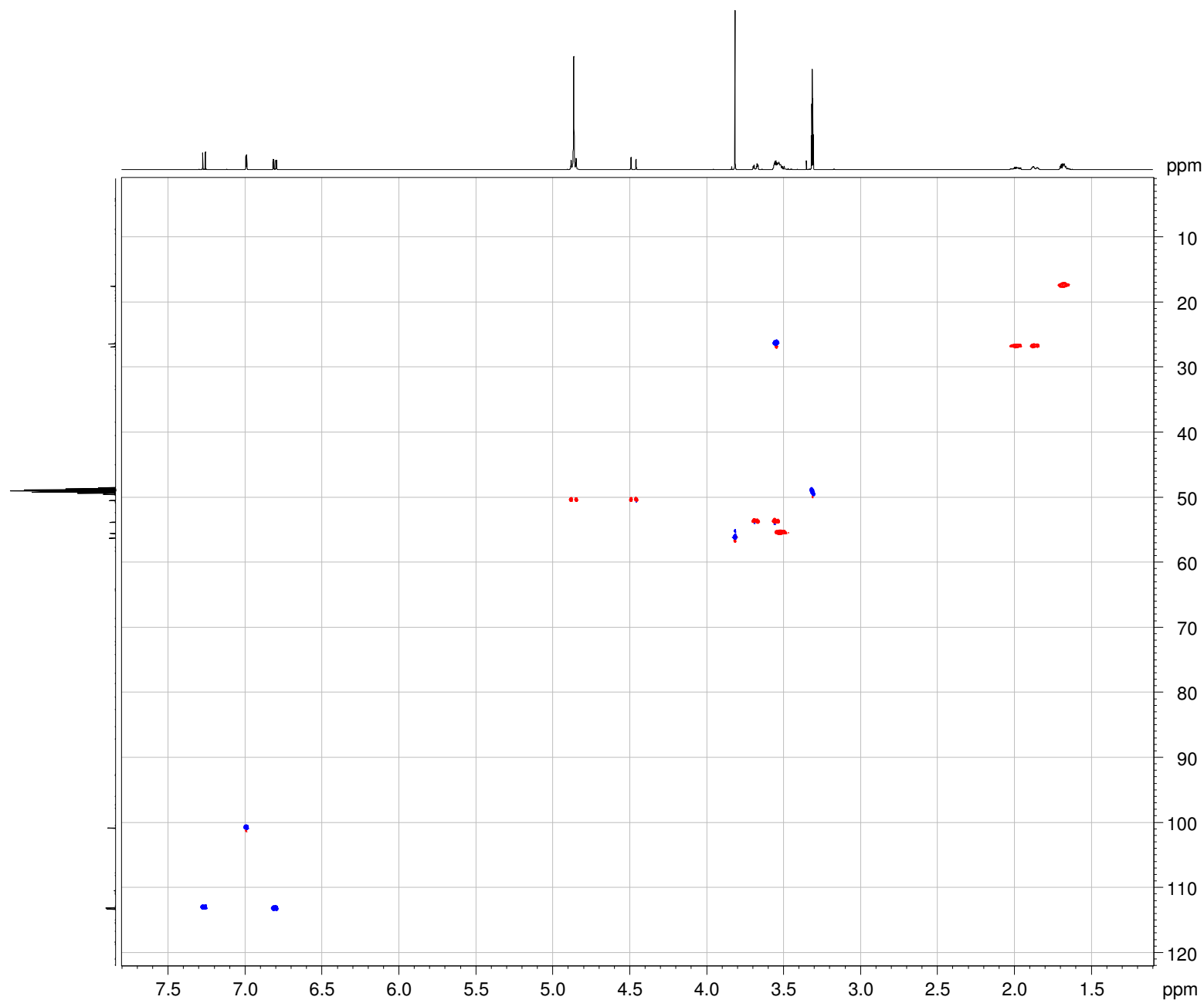
===== CHANNEL f1 =====
SFO1 500.2021430 MHz
NUC1 1H
P1 11.30 usec
P2 22.60 usec
P28 0 usec
PLW1 13.69999981 W

===== CHANNEL f2 =====
SFO2 125.7865857 MHz
NUC2 13C
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
P31 1900.00 usec
PLW0 0 W
PLW2 55.00000000 W
PLW12 1.30180001 W

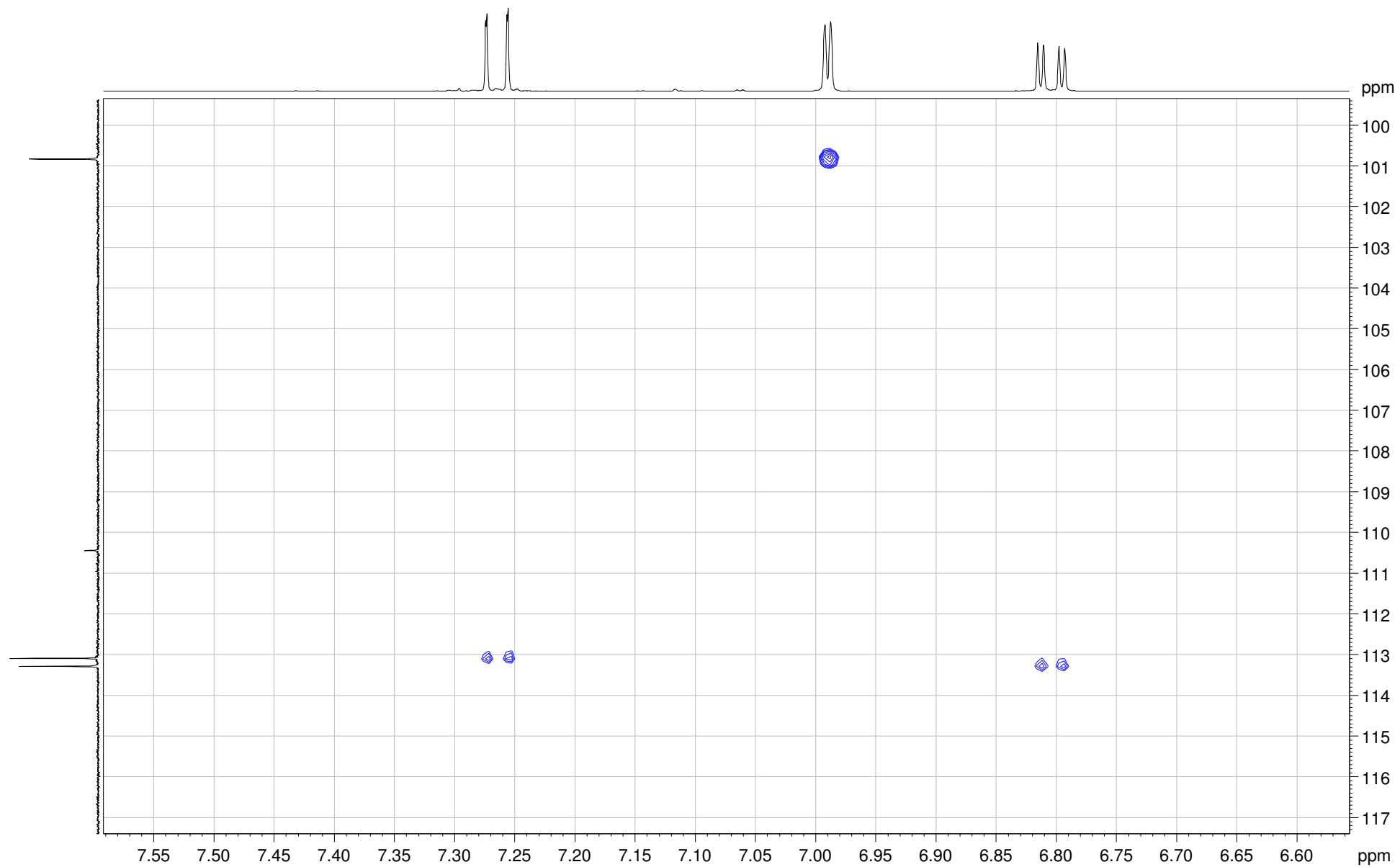
===== GRADIENT CHANNEL =====
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 128
SFO1 125.7866 MHz
FIDRES 180.011520 Hz
SW 183.179 ppm
FnMODE Echo-Antiecho

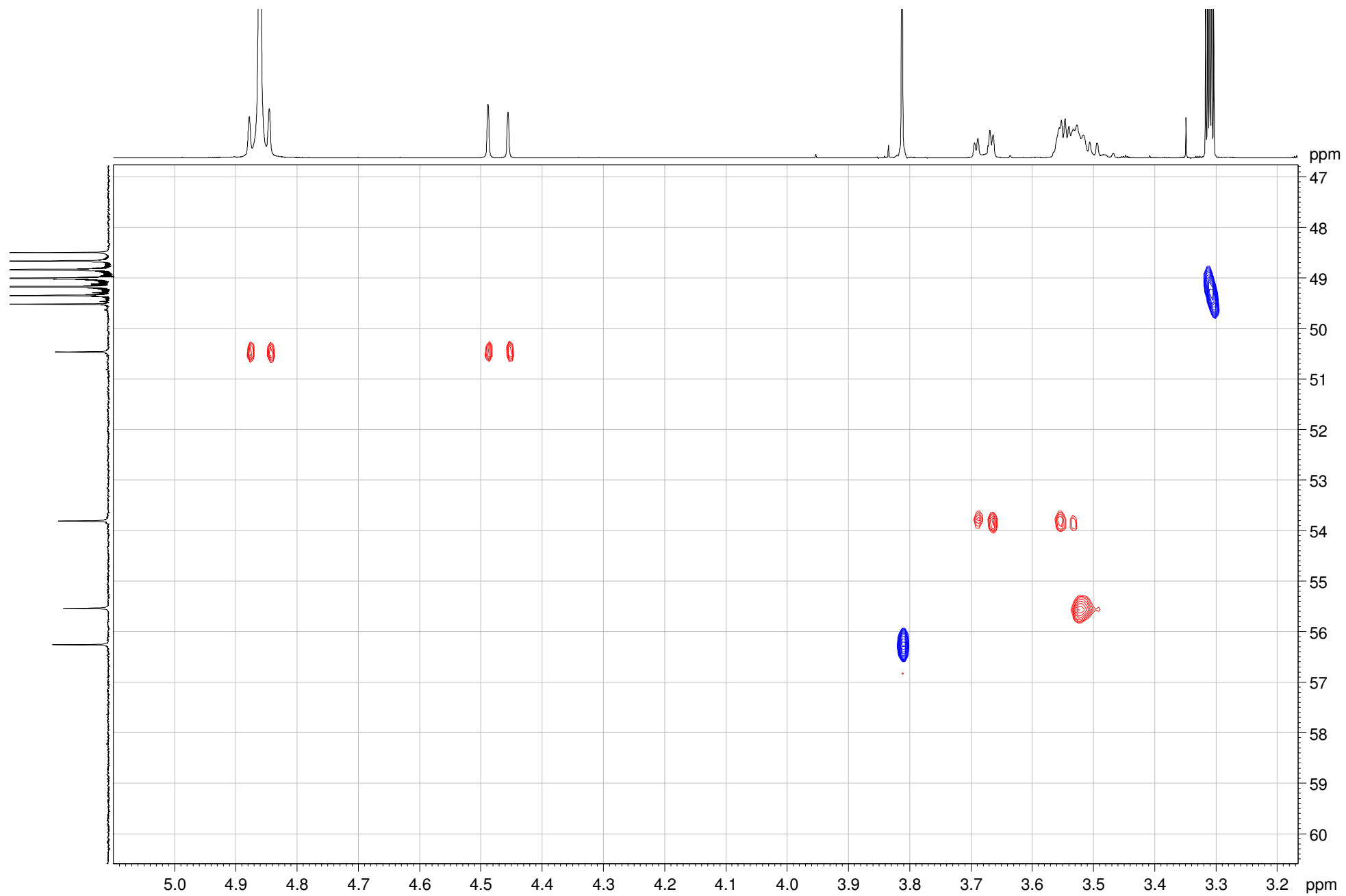
F2 - Processing parameters



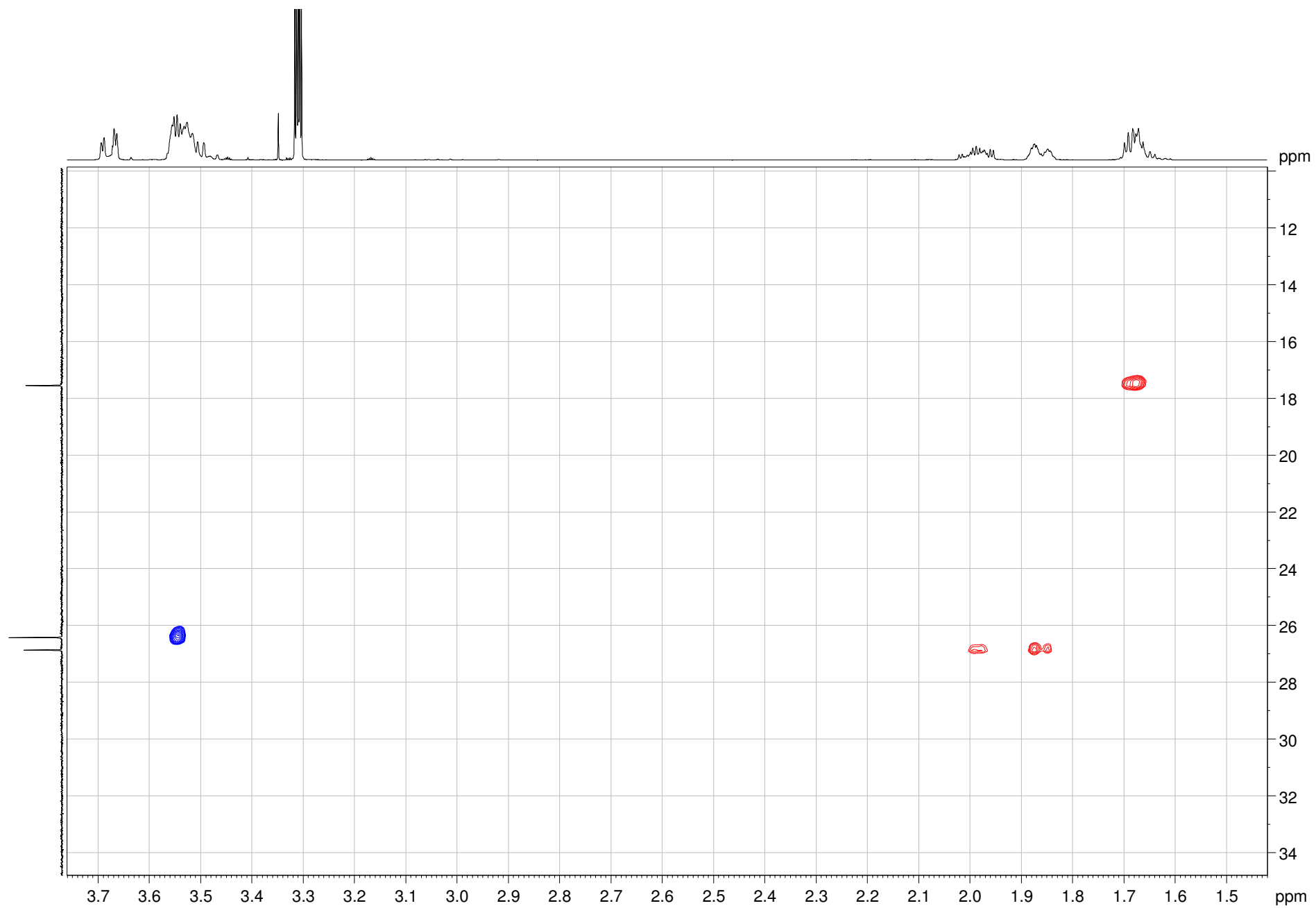
4503-HSQC
Cyk.E



4503-HSQC
Cyk.E



4503-HSQC
Cyk.E



(S)-13c

elif 141

```
Current Data Parameters
NAME                4934
EXPNO                1
PROCNO               1
```

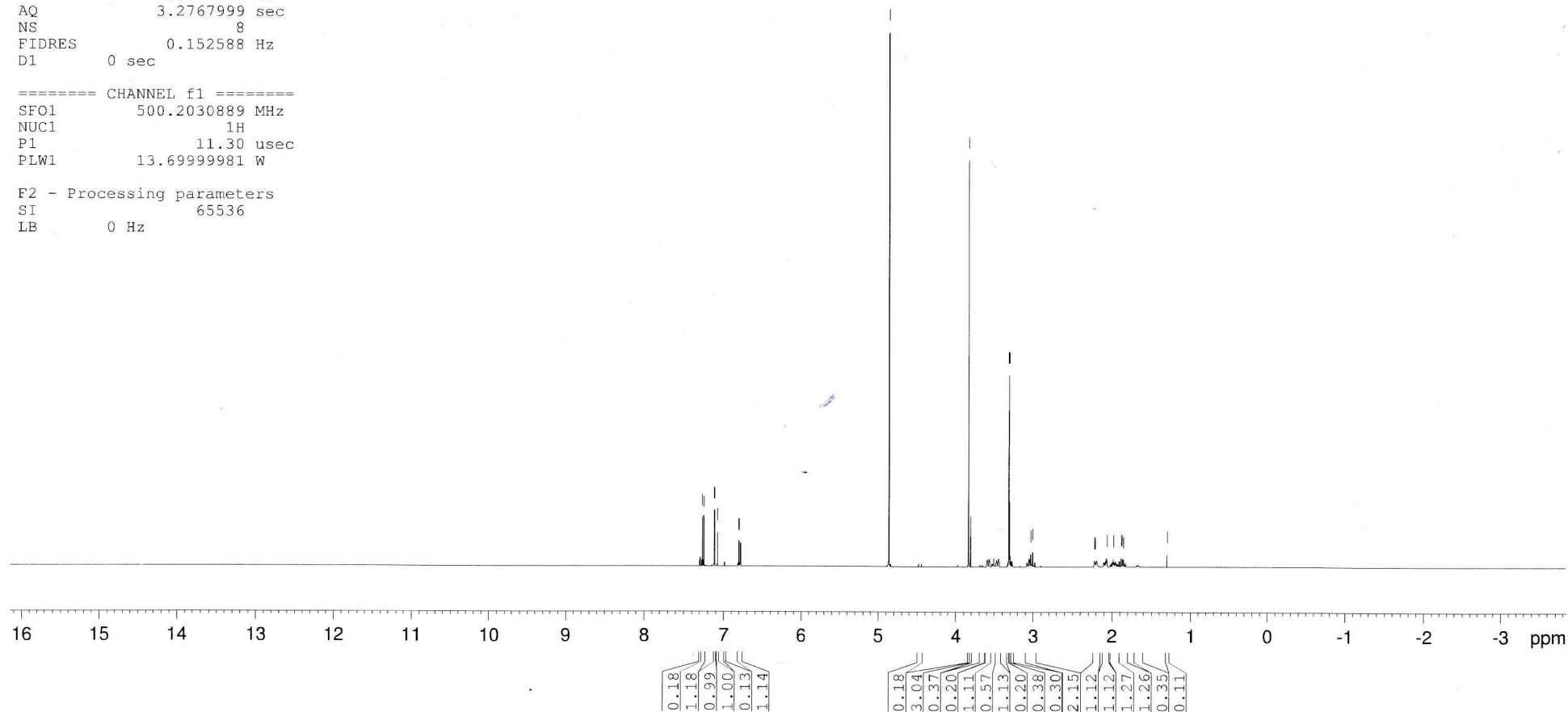
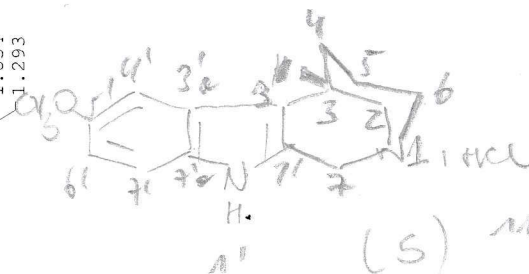
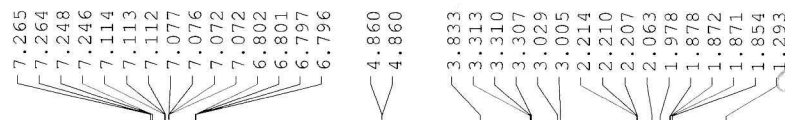
```

F2 - Acquisition Parameters
Date_                20180529
PROBHD              5 mm CPPBBO BB
PULPROG             zg30
SOLVENT             MeOD
TE                  298.2 K
SWH                 10000.000 Hz
AQ                  3.2767999 sec
NS                   8
FIDRES              0.152588 Hz
D1                  0 sec

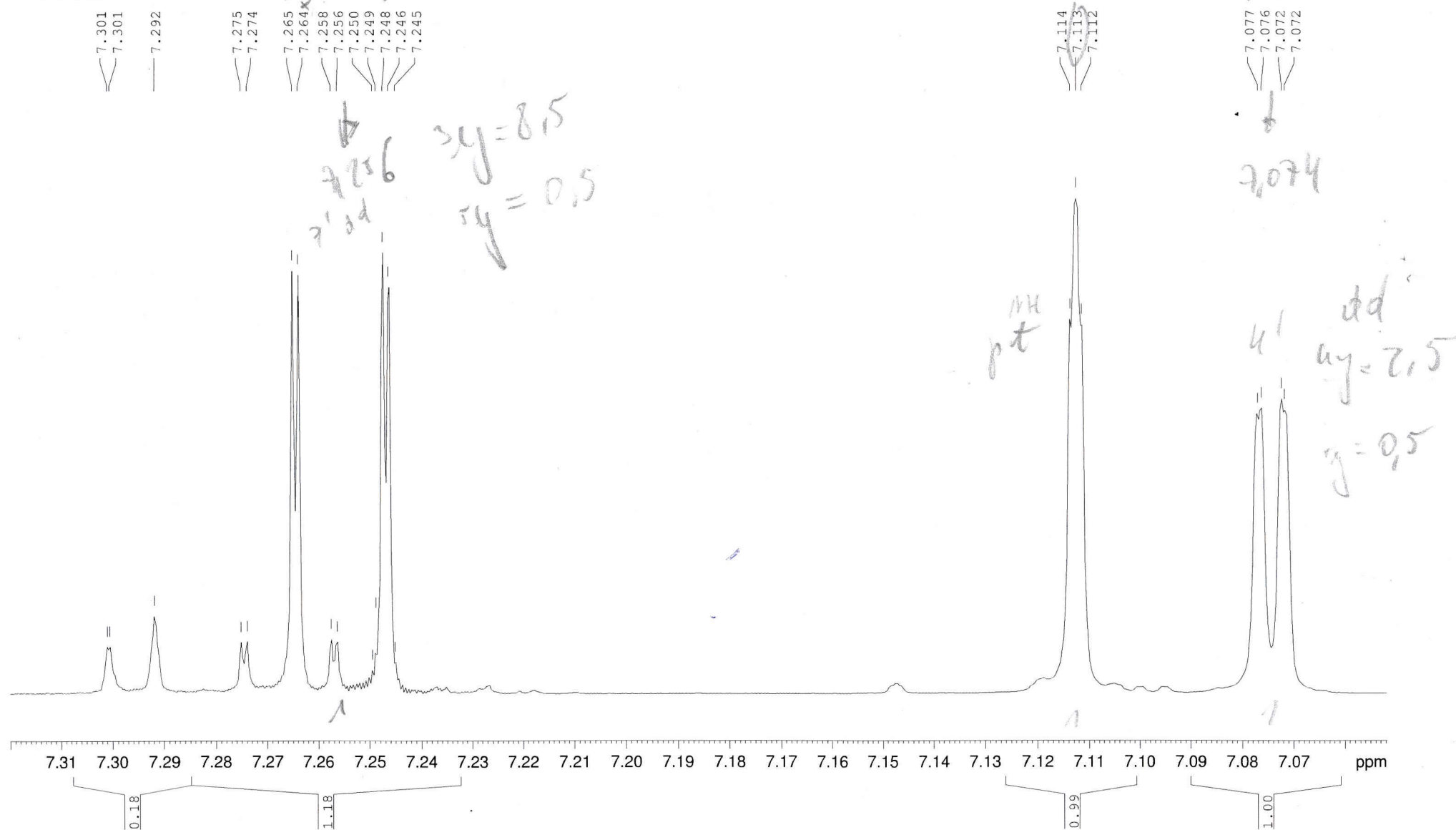
```

```
===== CHANNEL f1 =====
SFO1      500.2030889 MHz
NUC1              1H
P1              11.30 usec
PLW1      13.69999981 W
```

```
F2 - Processing parameters
SI                               65536
LB      0 Hz
```



4934-1H
T-F x HCl

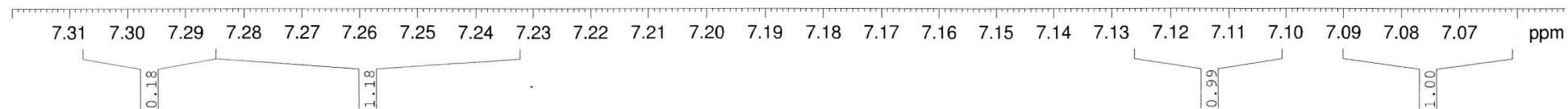


7.077
7.076
7.072
7.072

$\frac{1}{2} \times 10^6$
 $xy = 8.5$
 $xy = 0.5$

11

41 $u_y = 2,5$
 $y = 0,5$

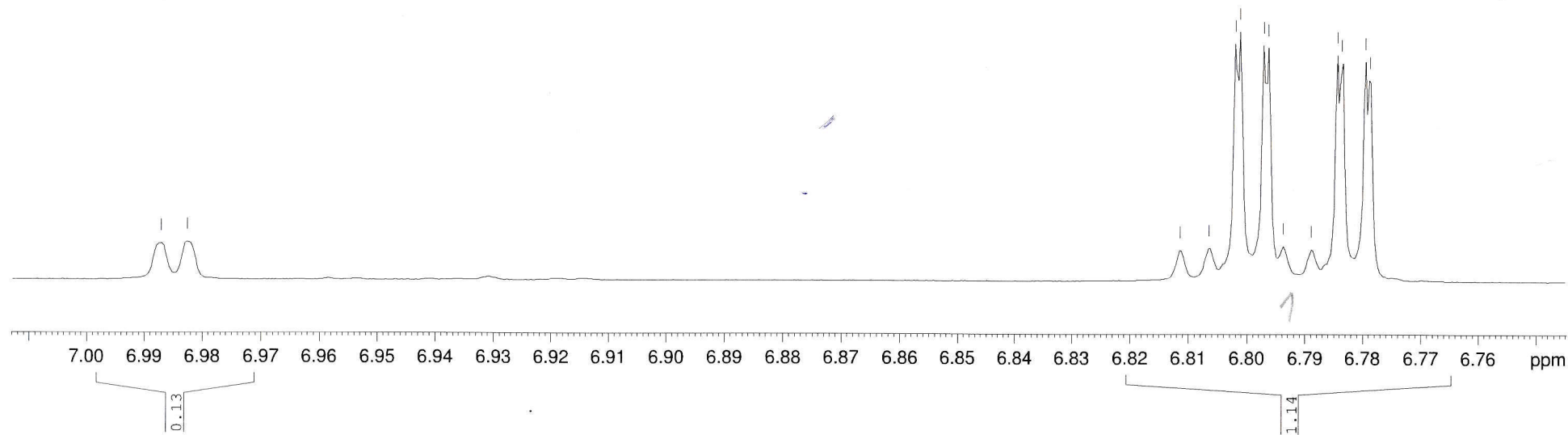


4934-1H
T-F x HCl

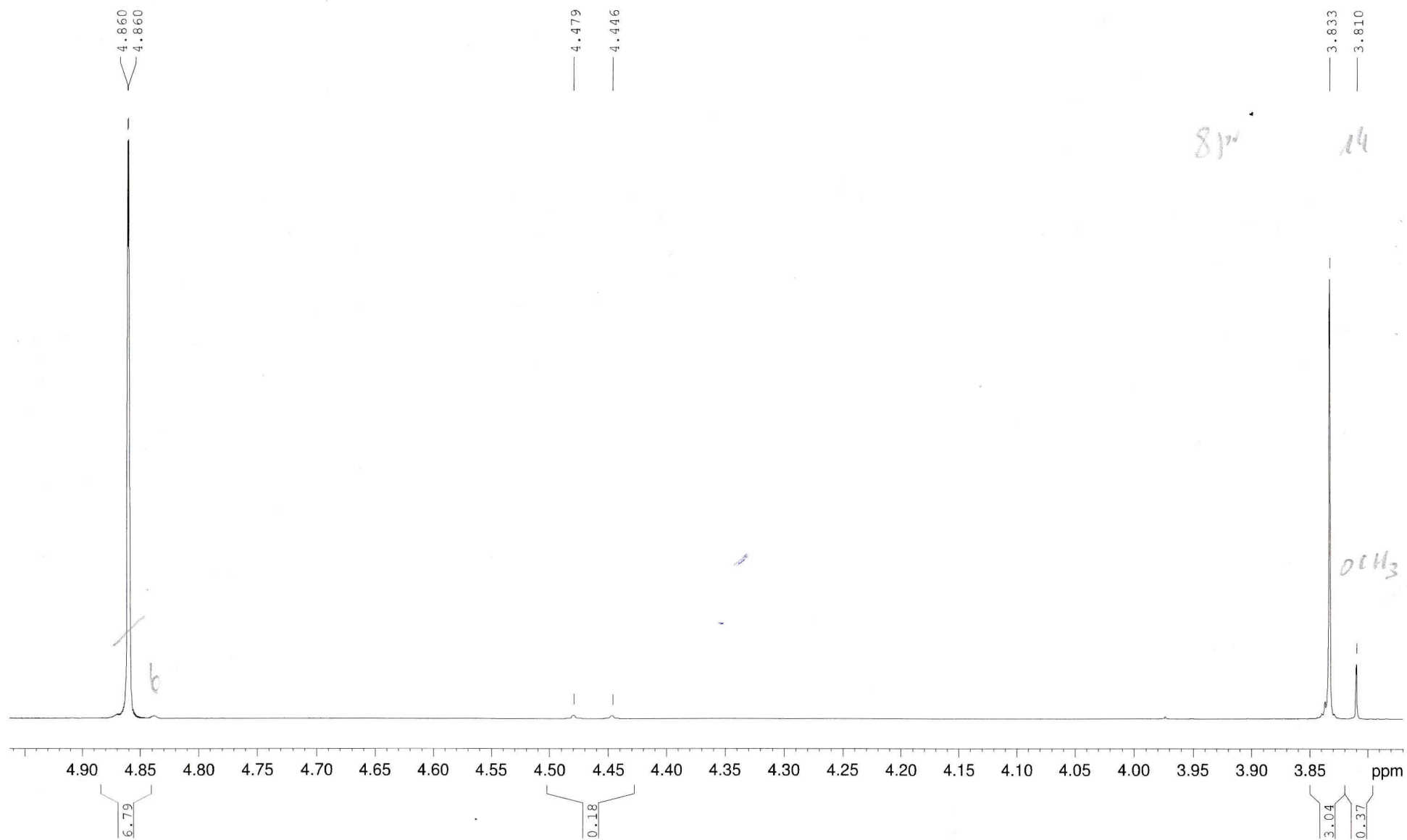
— 6.987
— 6.983

6.811
6.807
6.802
6.801
6.797
6.796
6.794
6.789
6.784
6.784
6.780
6.779

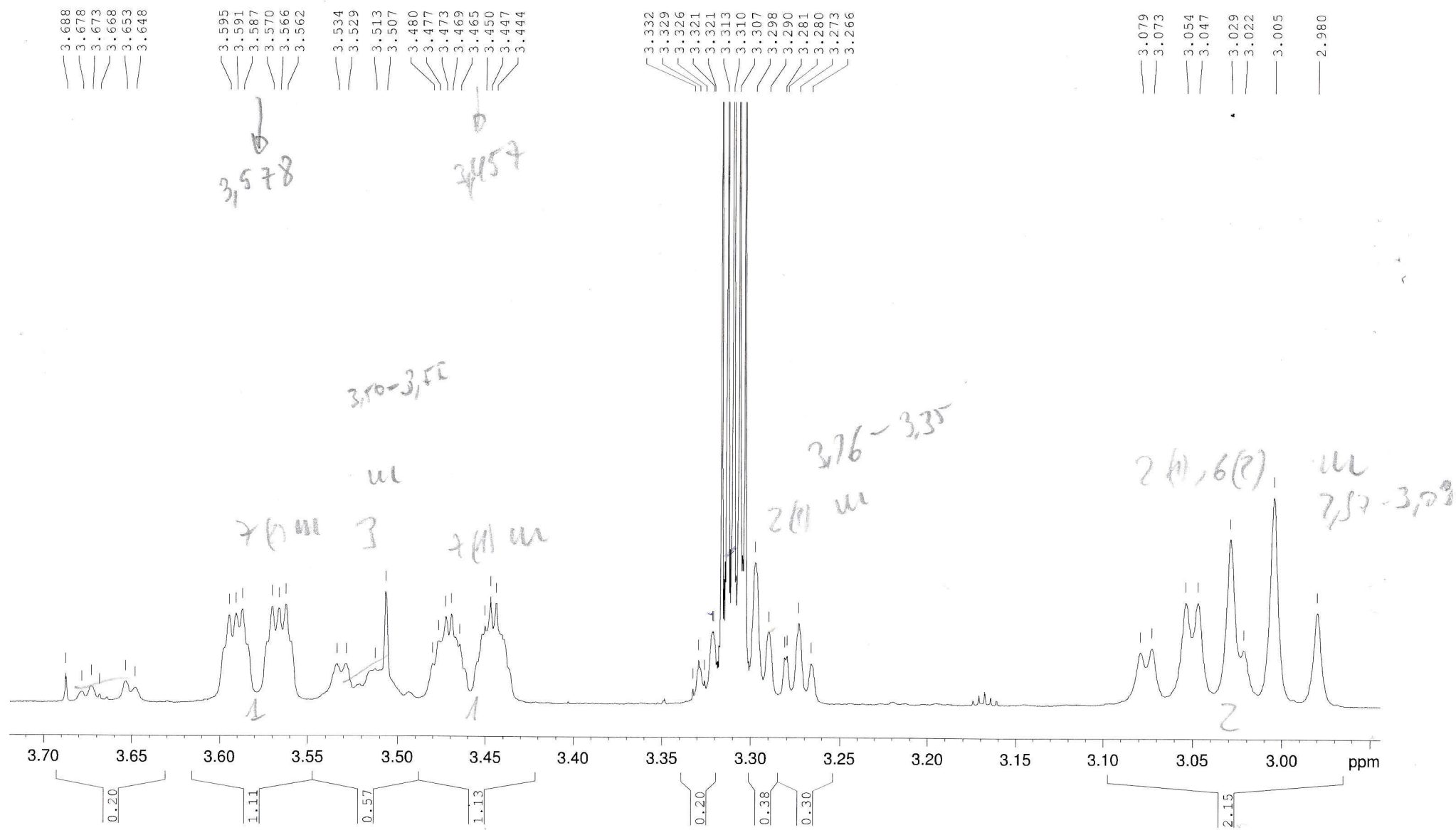
↓
6.780
J = 8.5
4J = 2.5
6' 4d J = 0.5



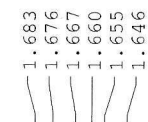
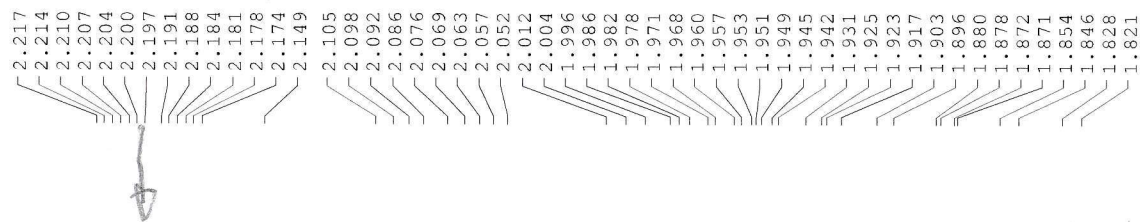
4934-1H
T-F x HCl



4934-1H
T-F x HCl



4934-1H
T-F x HCl



2.198

2.05-2.11

1.94-1.97
m

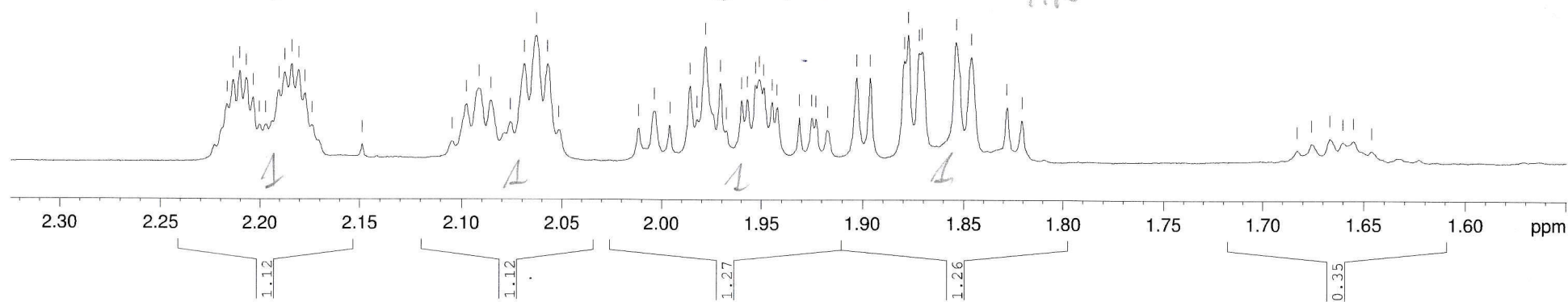
4(1) 5(2)

5(1) m

1.81-1.82

6(1) m

4(1) m



4934-13C
T-F x HCl

Current Data Parameters
NAME 4934
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters

Date_ 20180529
PROBHD 5 mm CPPBBO BB
PULPROG zg_pi_CPD
SOLVENT MeOD
TE 298.2 K
SWH 31249.381 Hz
AQ 1.0485969 sec
NS 376
FIDRES 0.476828 Hz
D1 1.50000000 sec
D11 0.03000000 sec
D14 0.00050000 sec

===== CHANNEL f1 =====

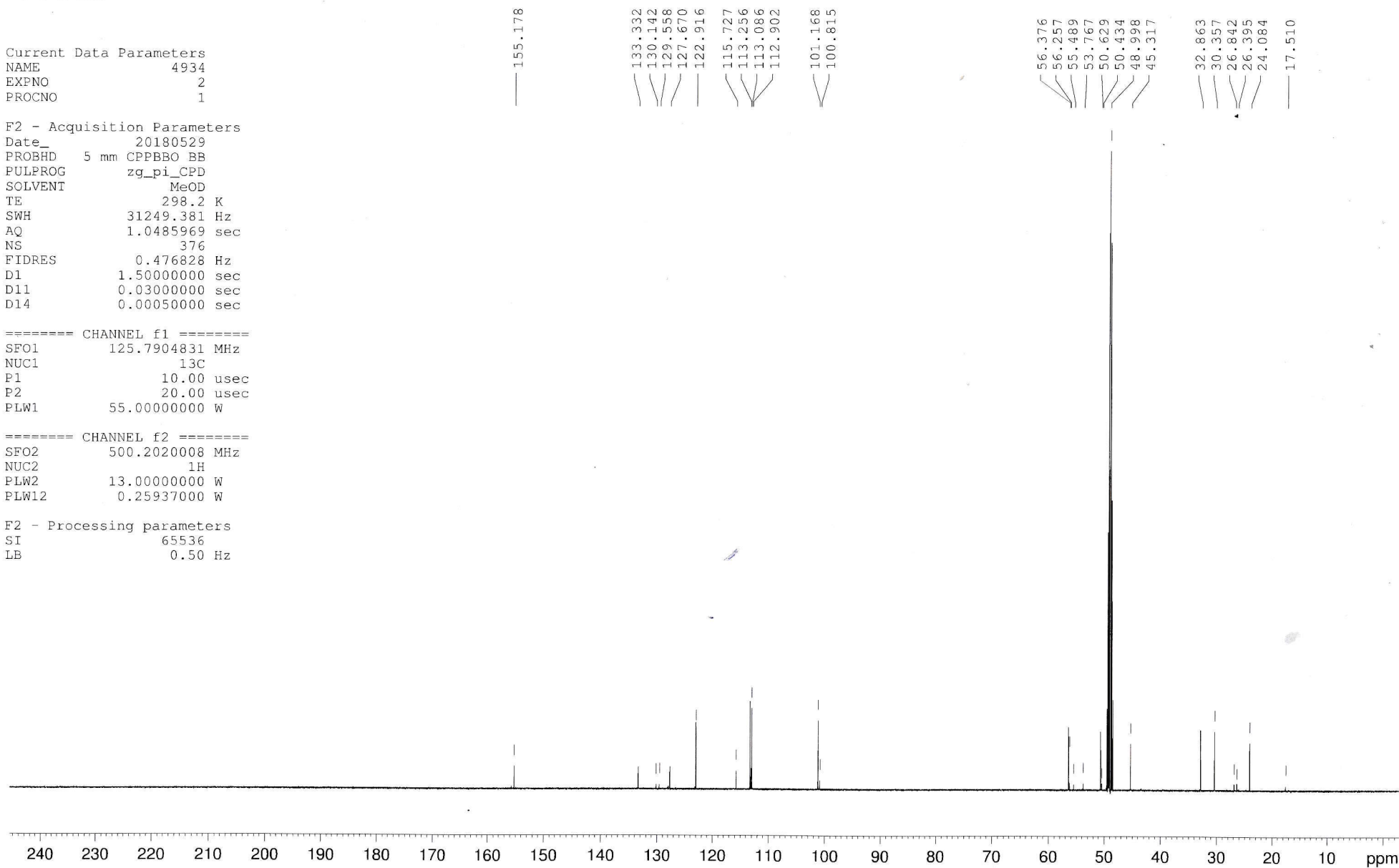
SFO1 125.7904831 MHz
NUC1 13C
P1 10.00 usec
P2 20.00 usec
PLW1 55.00000000 W

===== CHANNEL f2 =====

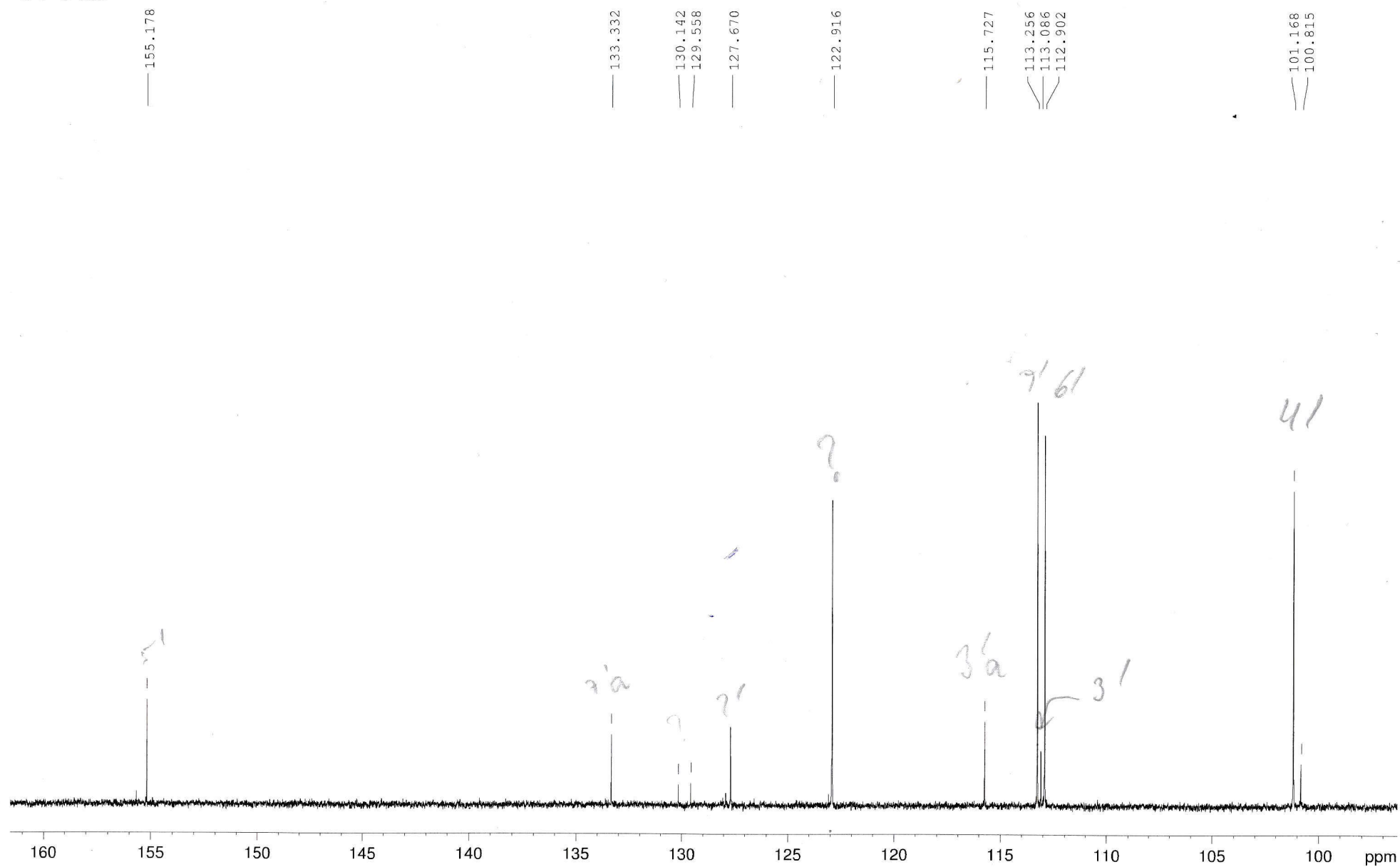
SFO2 500.2020008 MHz
NUC2 1H
PLW2 13.00000000 W
PLW12 0.25937000 W

F2 - Processing parameters

SI 65536
LB 0.50 Hz



4934-13C
T-F x HCl



4934-13C
T-F x HCl

