

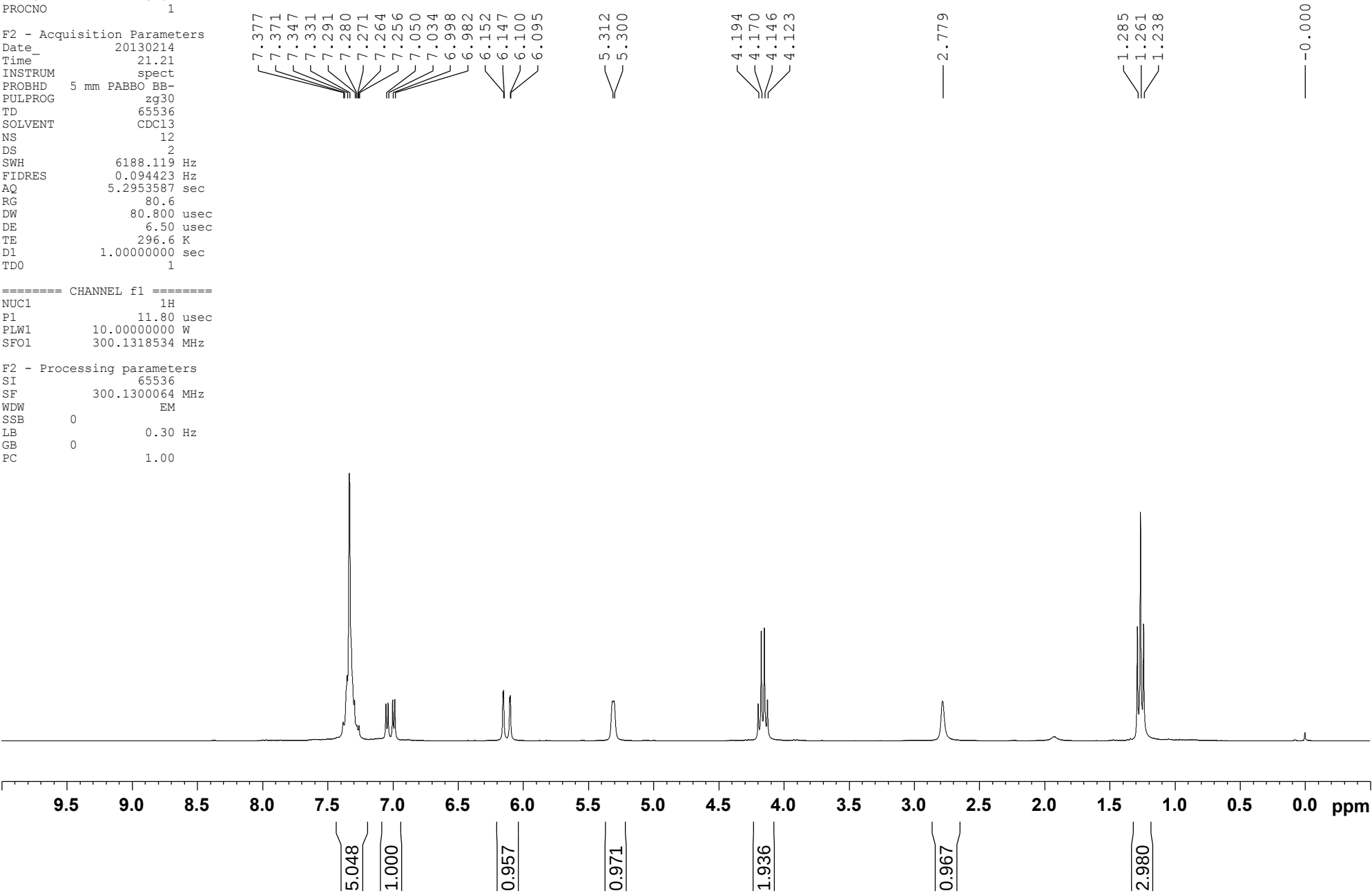
¹H NMR (E)-Ethyl 4-Hydroxy-4-phenylbut-2-enoate (1a')

Current Data Parameters
NAME LJHC
EXPNO 25701
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130214
Time 21.21
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 80.6
DW 80.800 usec
DE 6.50 usec
TE 296.6 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300064 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-Hydroxy-4-phenylbut-2-enoate (1a')

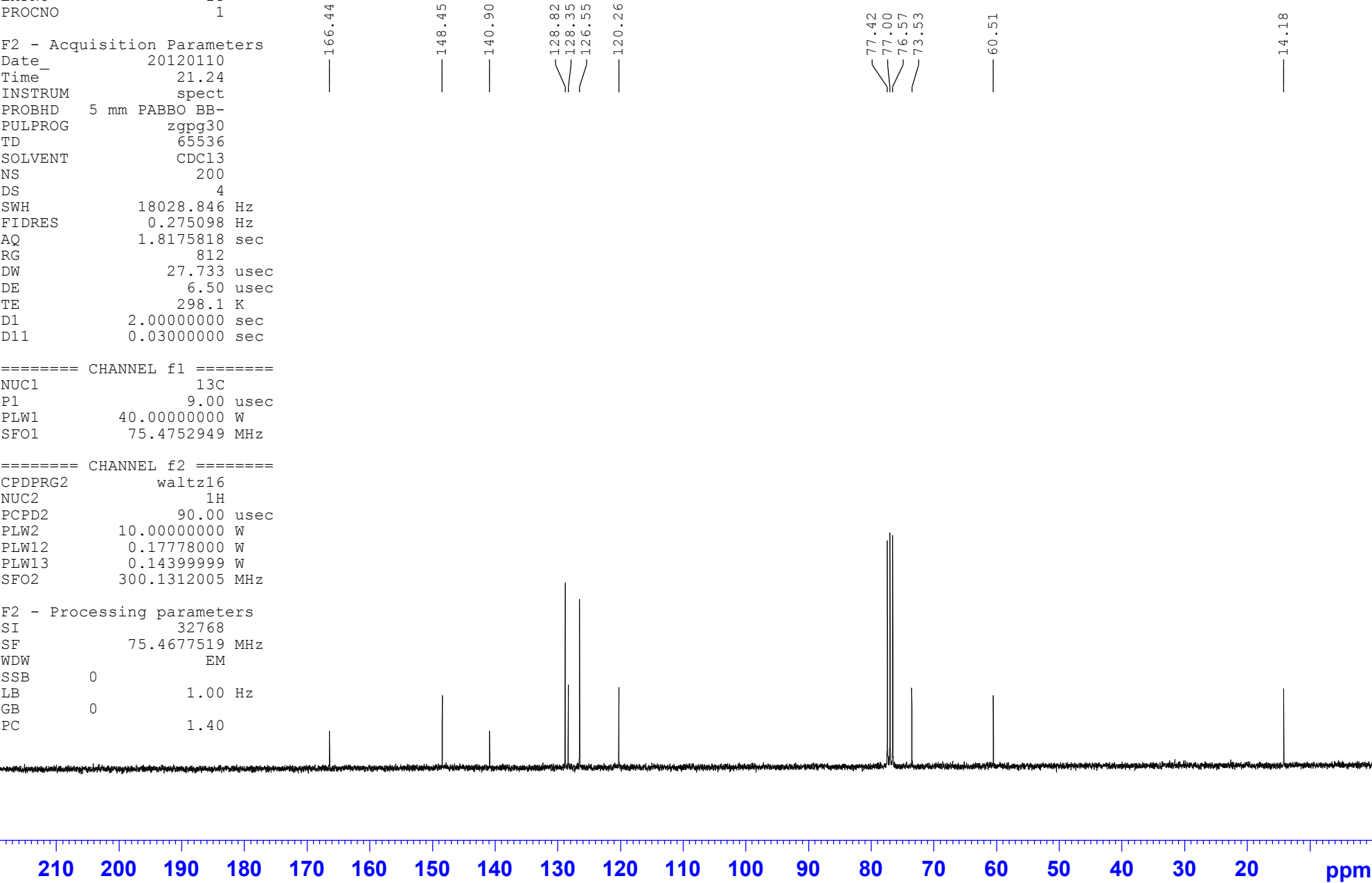
Current Data Parameters
NAME LJHB-Exp57
EXPNO 13
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120110
Time_ 21.24
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 200
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 812
DW 27.733 usec
DE 6.50 usec
TE 298.1 K
D1 2.00000000 sec
D11 0.03000000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677519 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



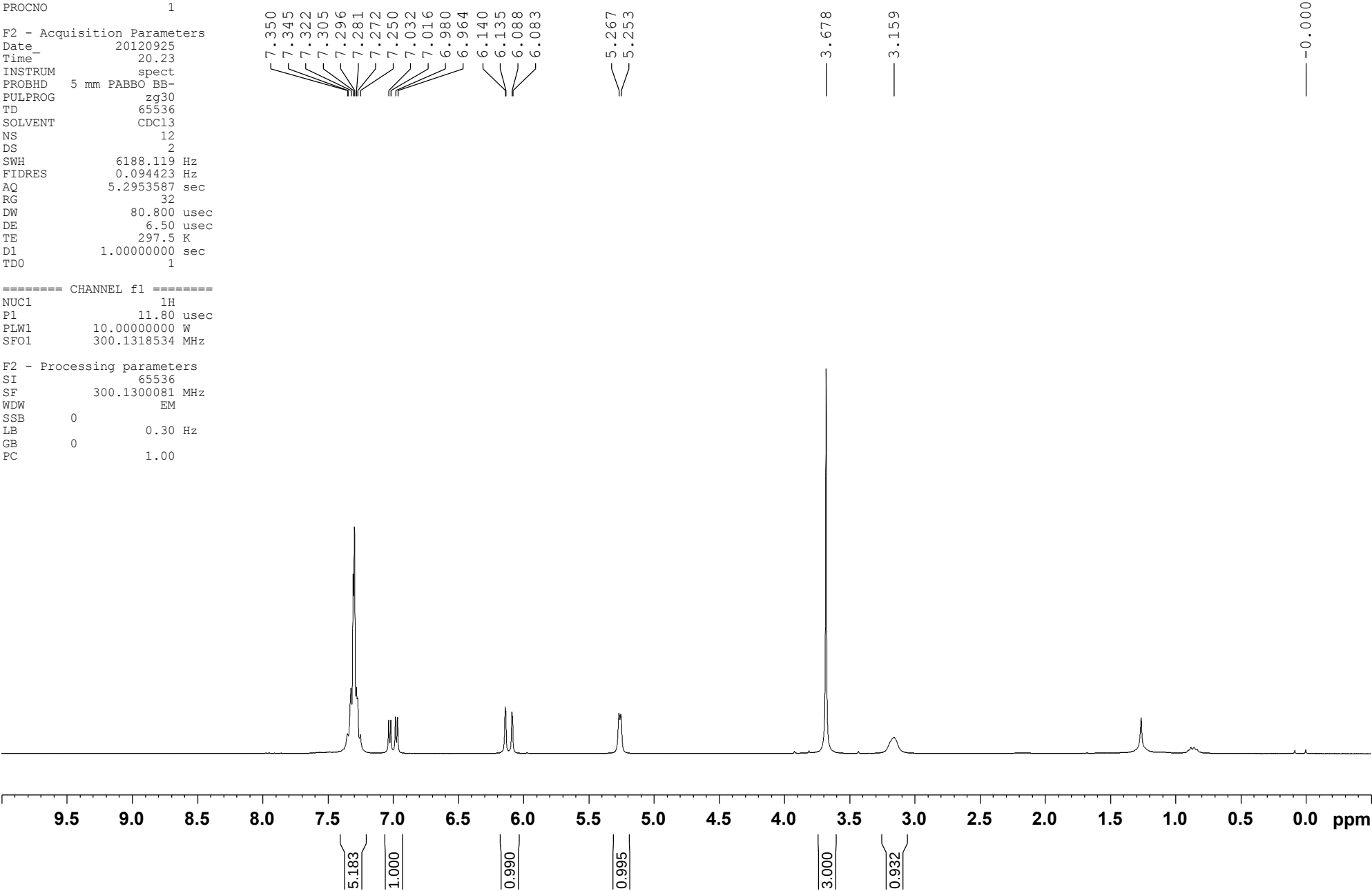
¹H NMR (E)-Methyl 4-Hydroxy-4-phenylbut-2-enoate (1e')

Current Data Parameters
NAME LJH
EXPNO 30401
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time_ 20.23
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 32
DW 80.800 usec
DE 6.50 usec
TE 297.5 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300081 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Methyl 4-Hydroxy-4-phenylbut-2-enoate (4e')

Current Data Parameters

NAME LJH
EXPNO 30413
PROCNO 1

F2 - Acquisition Parameters

Date_ 20120925
Time_ 20.29
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 140
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

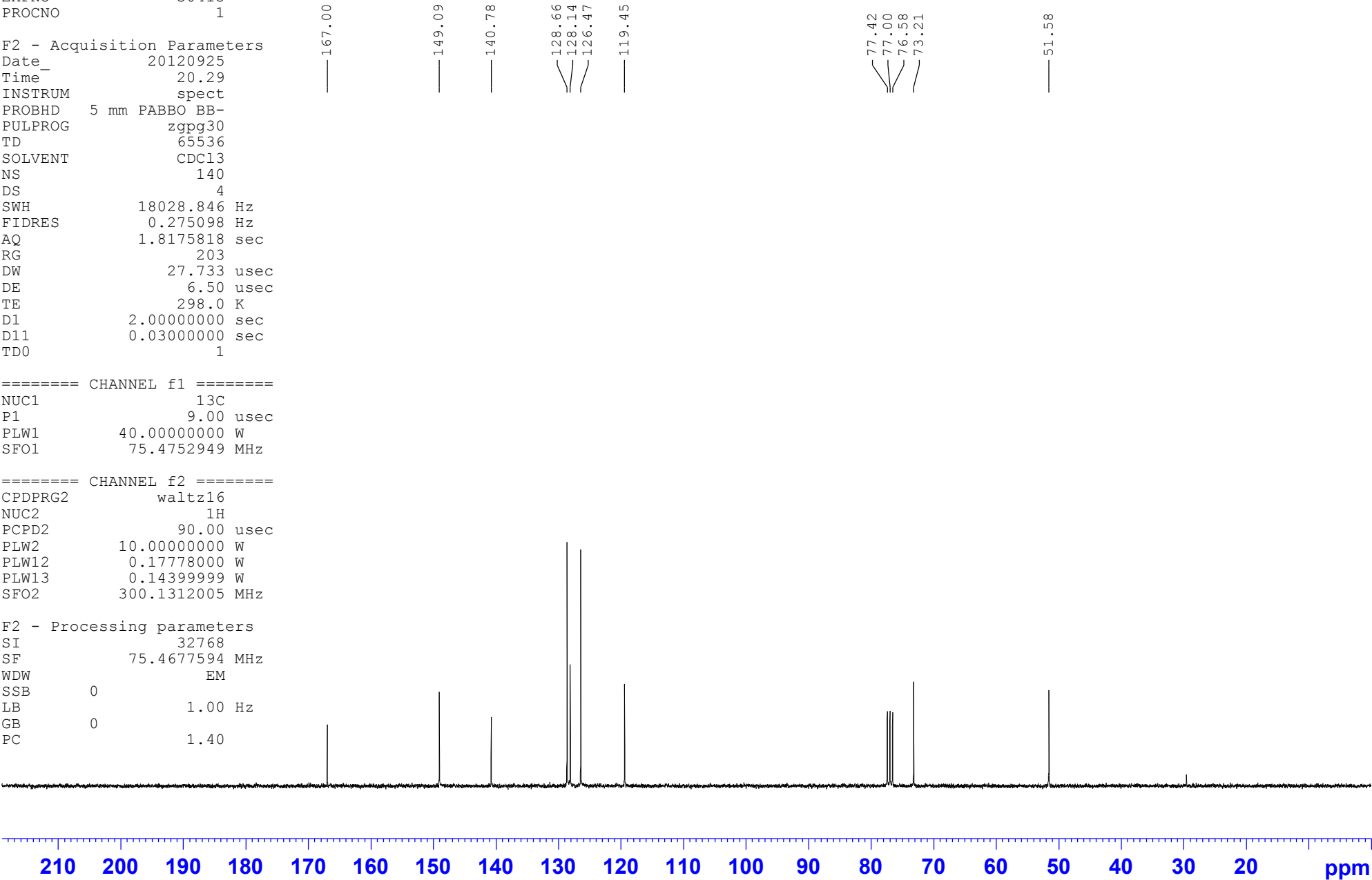
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677594 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



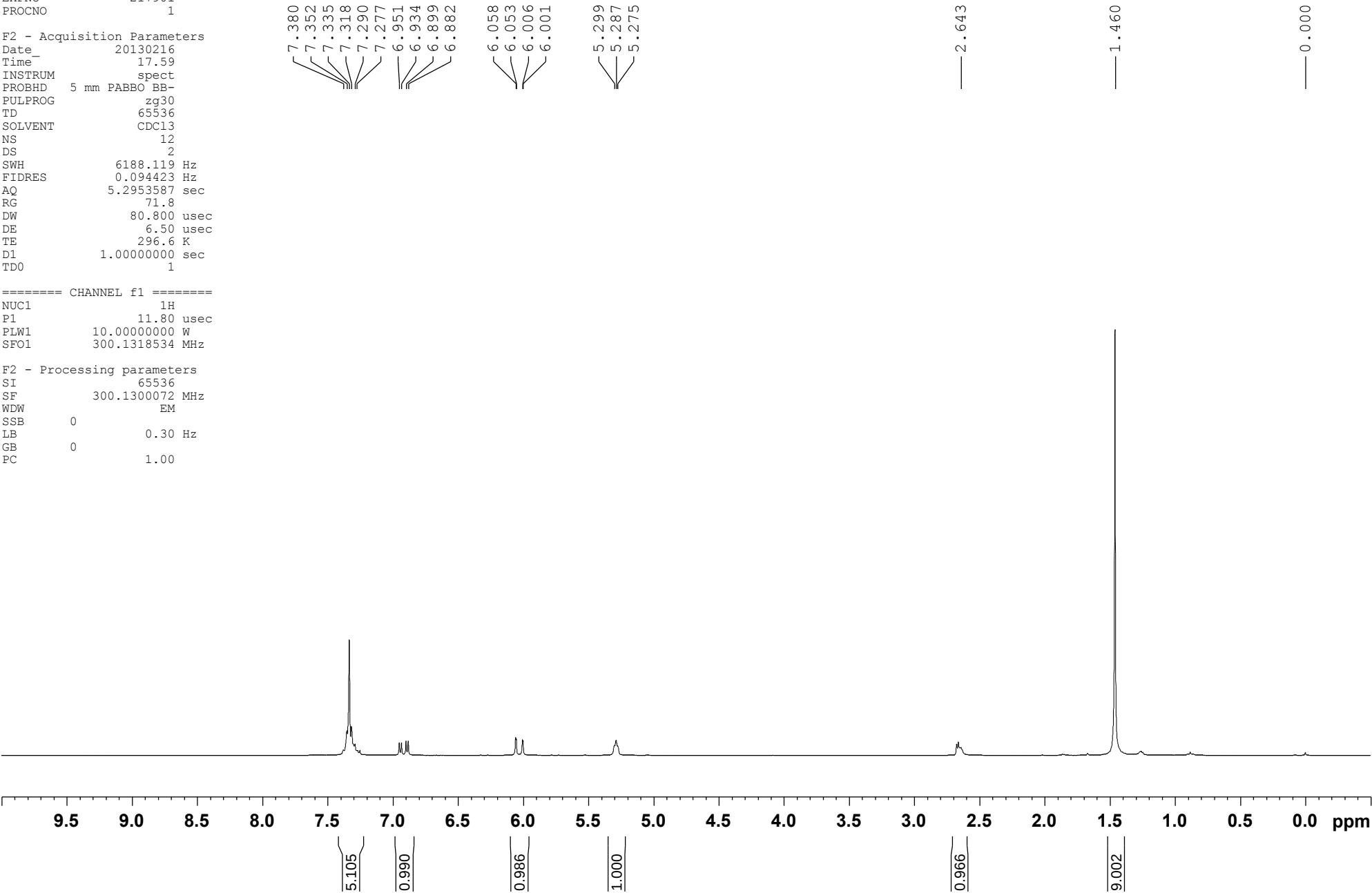
(E)-tert-Butyl 4-Hydroxy-4-phenylbut-2-enoate (1f)

Current Data Parameters
NAME LJHC
EXPNO 217901
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130216
Time_ 17.59
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 71.8
DW 80.800 usec
DE 6.50 usec
TE 296.6 K
D1 1.00000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300072 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-tert-Butyl 4-Hydroxy-4-phenylbut-2-enoate (1f')

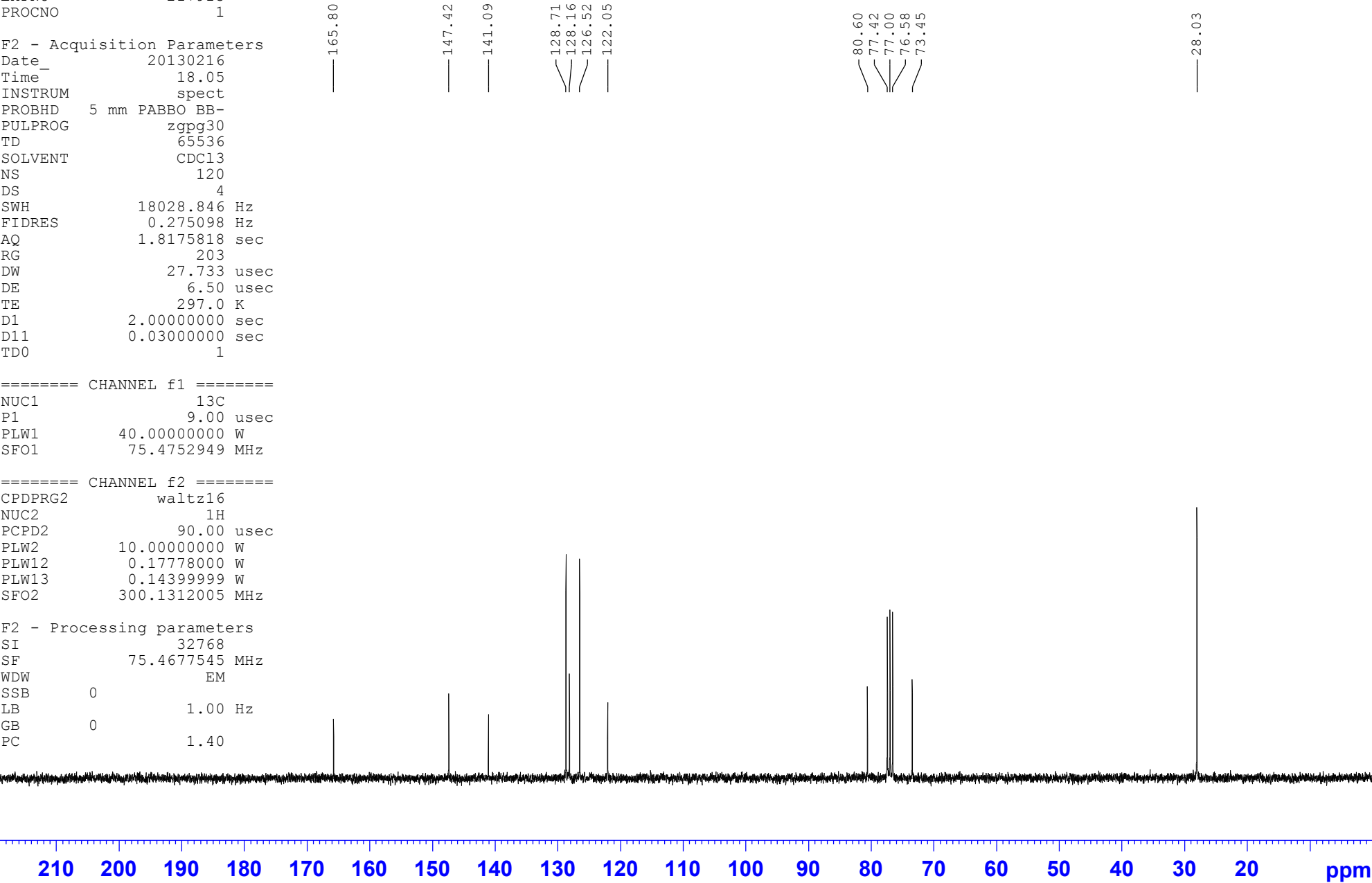
Current Data Parameters
NAME LJHC
EXPNO 217913
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130216
Time_ 18.05
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 120
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677545 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



¹H NMR (E)-Ethyl 4-Hydroxy-6-phenylhex-2-enoate (1h')

Current Data Parameters
NAME LJHC
EXPNO 214101
PROCNO 1

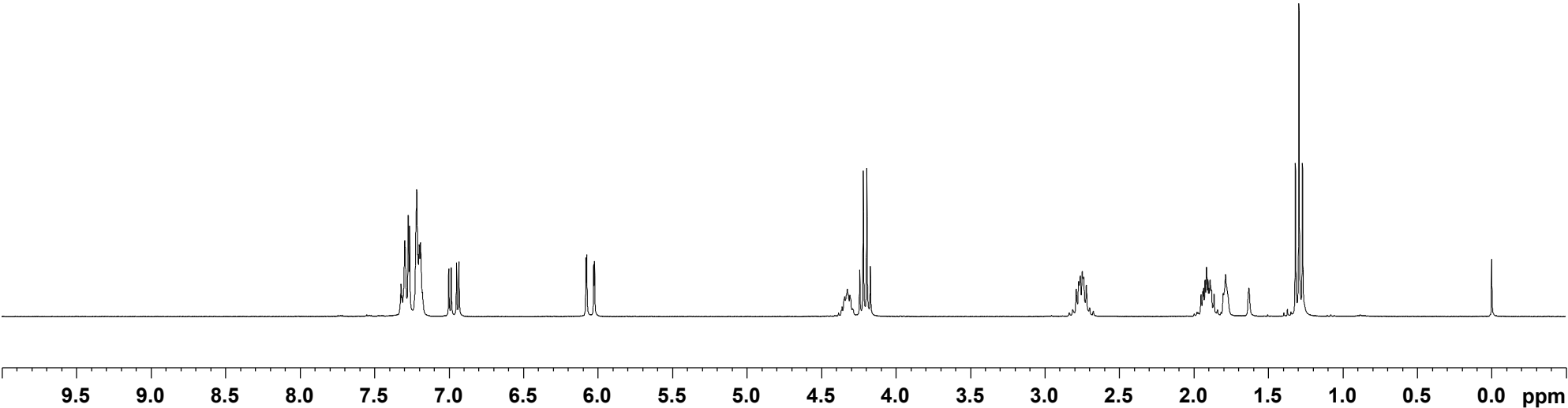
F2 - Acquisition Parameters
Date_ 20130306
Time 18.37
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 114
DW 80.800 usec
DE 6.50 usec
TE 293.7 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300050 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.319
7.313
7.293
7.270
7.260
7.213
7.196
7.188
7.174
6.998
6.981
6.946
6.929
6.077
6.072
6.025
6.019

4.358
4.340
4.322
4.305
4.288
4.283
4.239
4.215
4.191
4.168
2.835
2.812
2.789
2.773
2.762
2.749
2.739
2.721
2.699
2.675
1.980
1.973
1.967
1.951
1.940
1.934
1.924
1.915
1.905
1.898
1.889
1.884
1.881
1.864
1.840
1.803
1.787
1.718
1.294
1.270
0.000



¹³C NMR (E)-Ethyl 4-Hydroxy-6-phenylhex-2-enoate (1h')

Current Data Parameters

NAME LJHC
EXPNO 2141113
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130306
Time_ 18.44
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 300
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 294.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

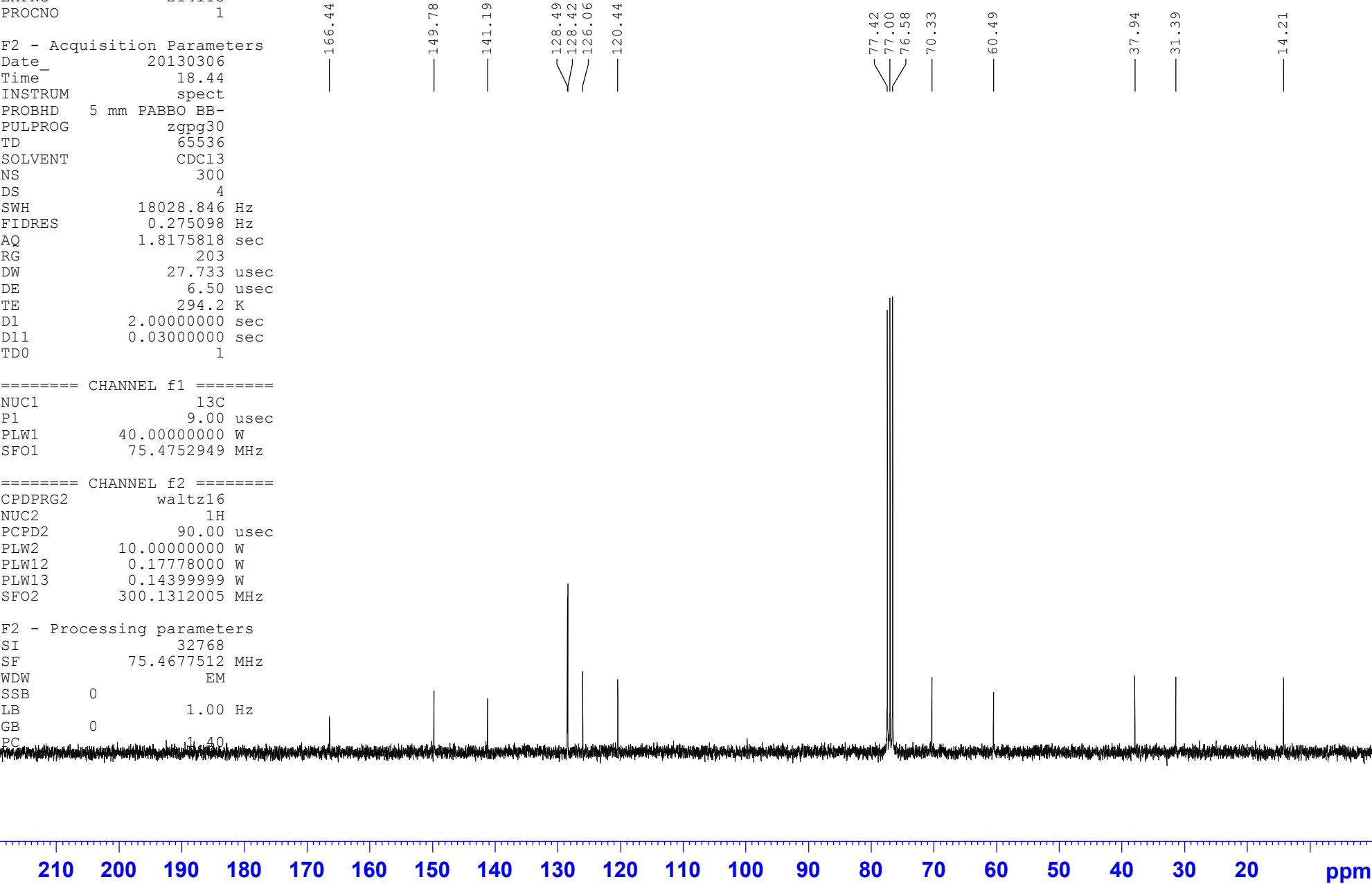
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677512 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



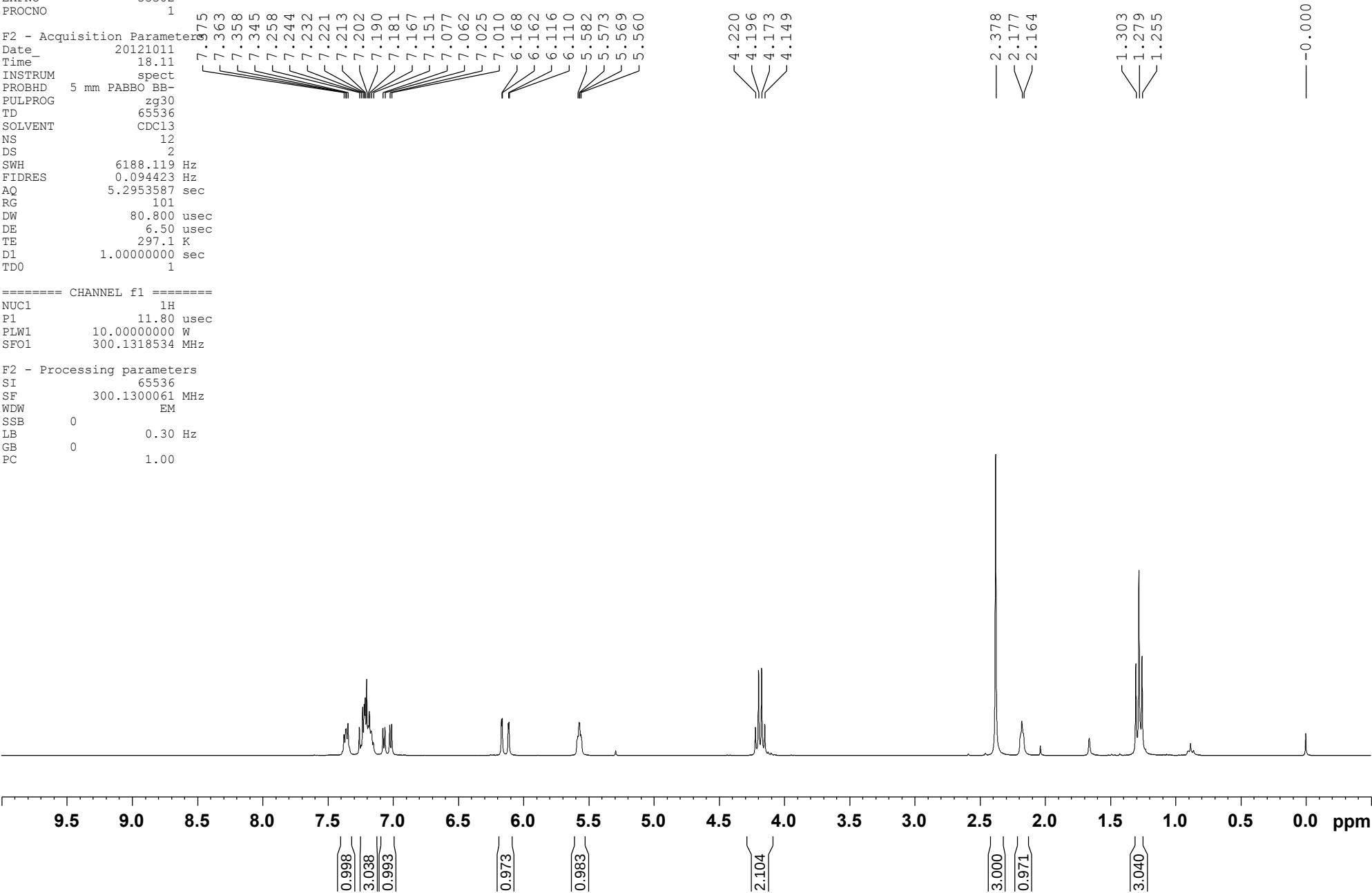
¹H NMR (E)-Ethyl 4-Hydroxy-4-(o-tolyl)but-2-enoate (1j')

Current Data Parameters
NAME LJHC
EXPNO 33302
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121011
Time 18.11
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 usec
DE 6.50 usec
TE 297.1 K
D1 1.00000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300061 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-Hydroxy-4-(o-tolyl)but-2-enoate (4j')

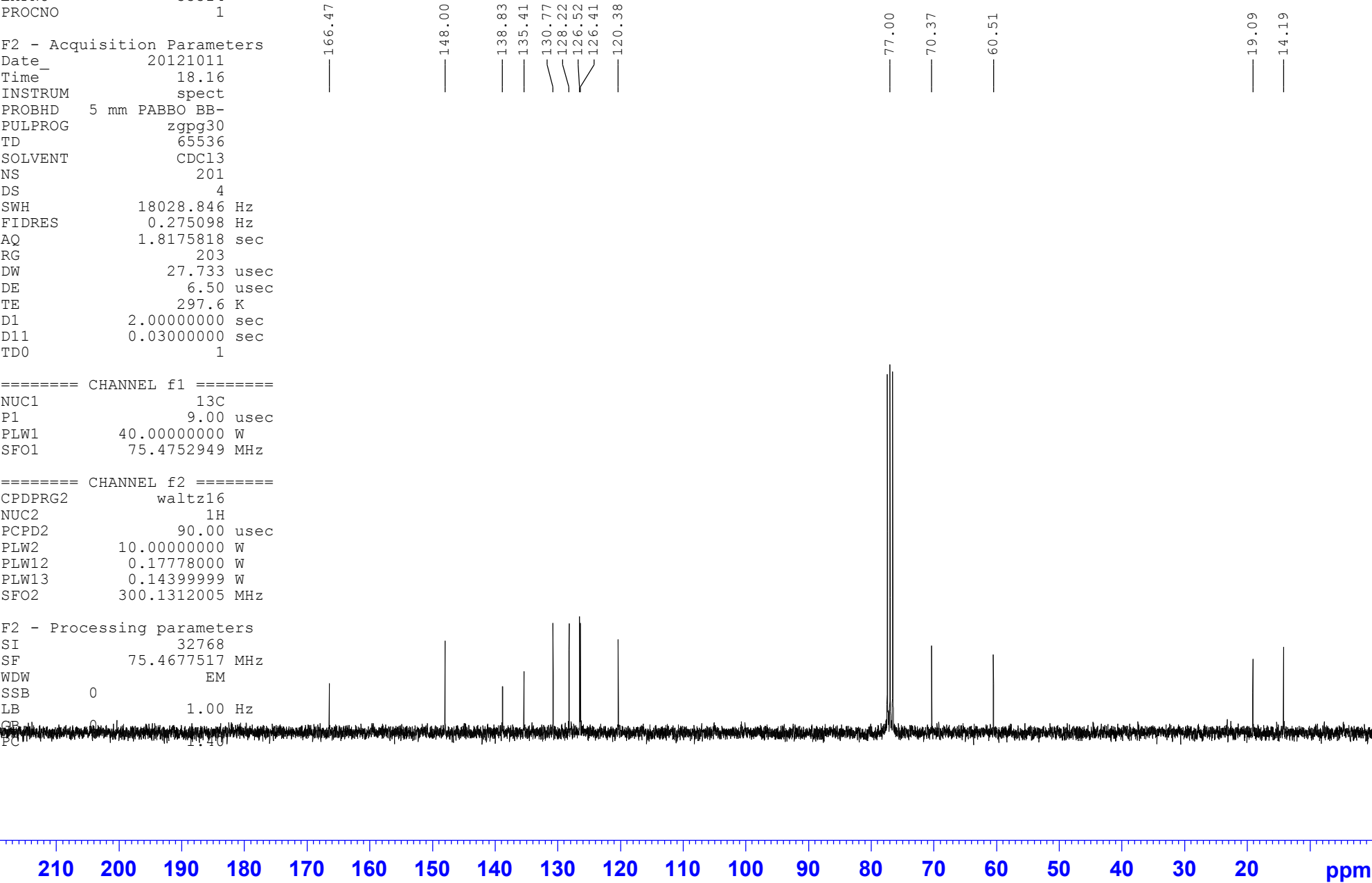
Current Data Parameters
NAME LJH
EXPNO 33314
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121011
Time_ 18.16
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 201
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

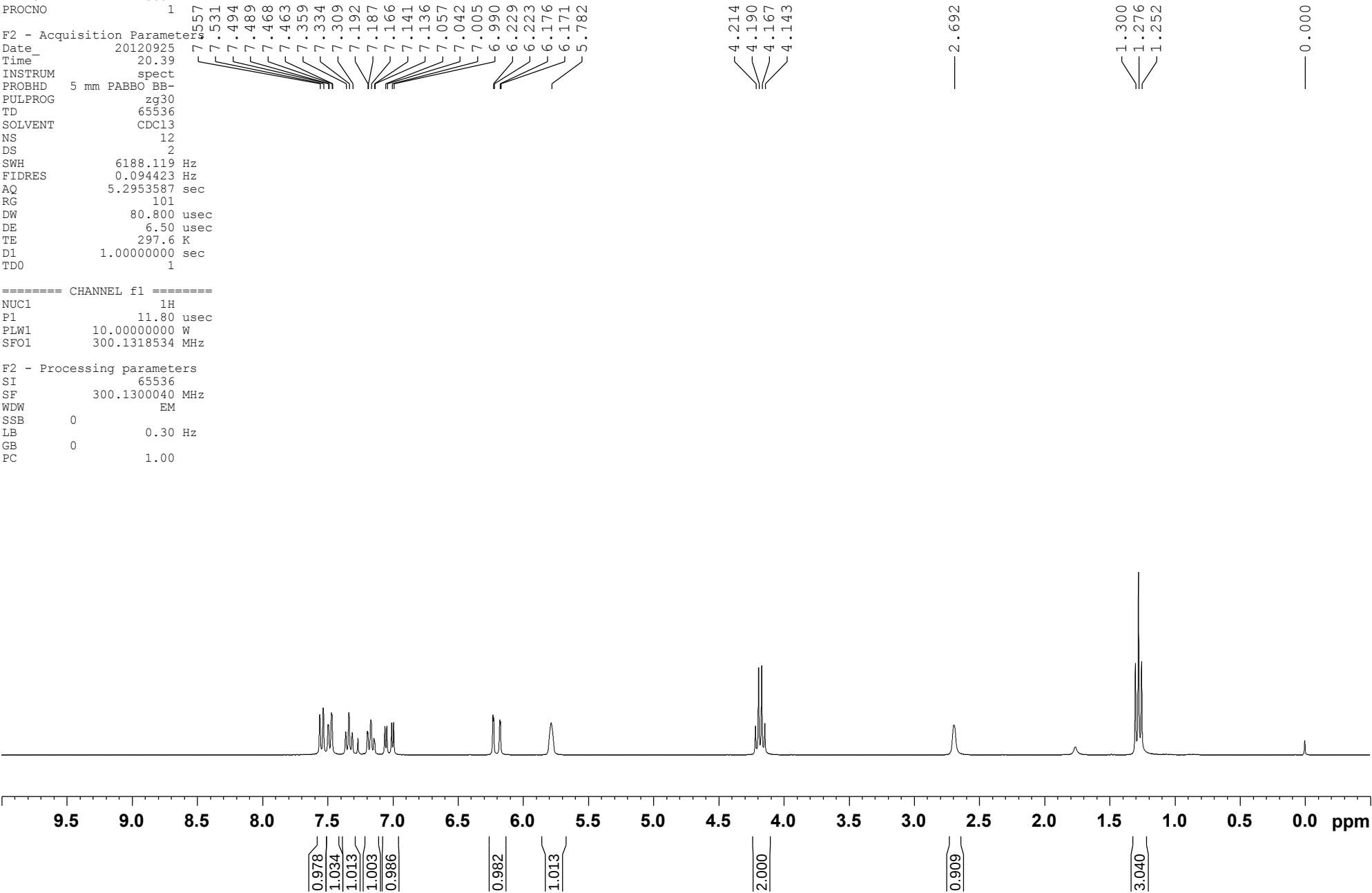
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677517 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



1H NMR (E)-Ethyl 4-(2-Bromophenyl)-4-hydroxybut-2-enoate (1k')

Current Data Parameters
NAME LJHC
EXPNO 18601
PROCNO 1
F2 - Acquisition Parameters
Date_ 20120925
Time_ 20.39
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 usec
DE 6.50 usec
TE 297.6 K
D1 1.00000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz
F2 - Processing parameters
SI 65536
SF 300.1300040 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



13C NMR (E)-Ethyl 4-(2-Bromophenyl)-4-hydroxybut-2-enoate (1k')

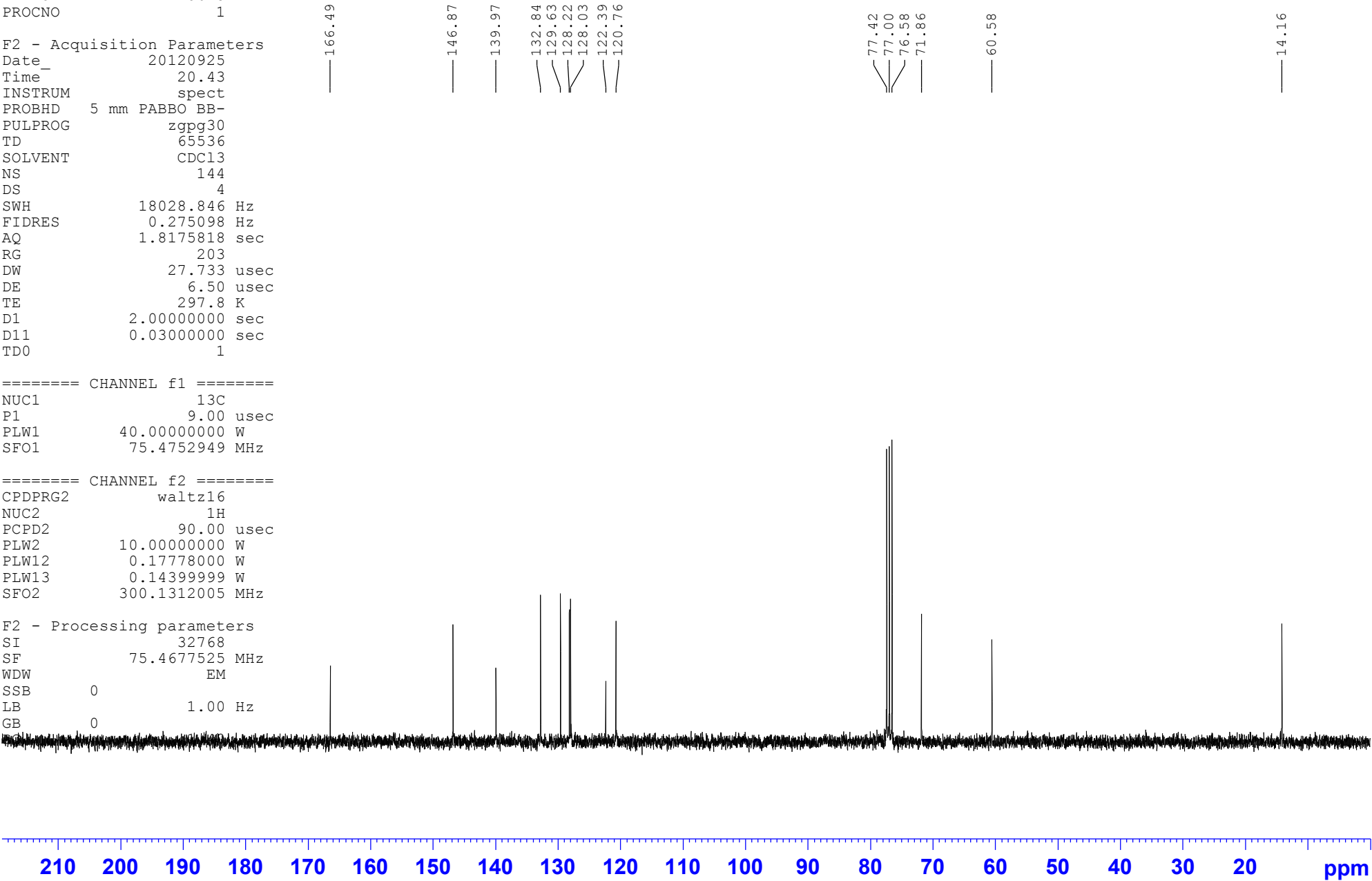
Current Data Parameters
NAME LJH
EXPNO 18613
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120925
Time_ 20.43
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 144
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.8 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677525 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0



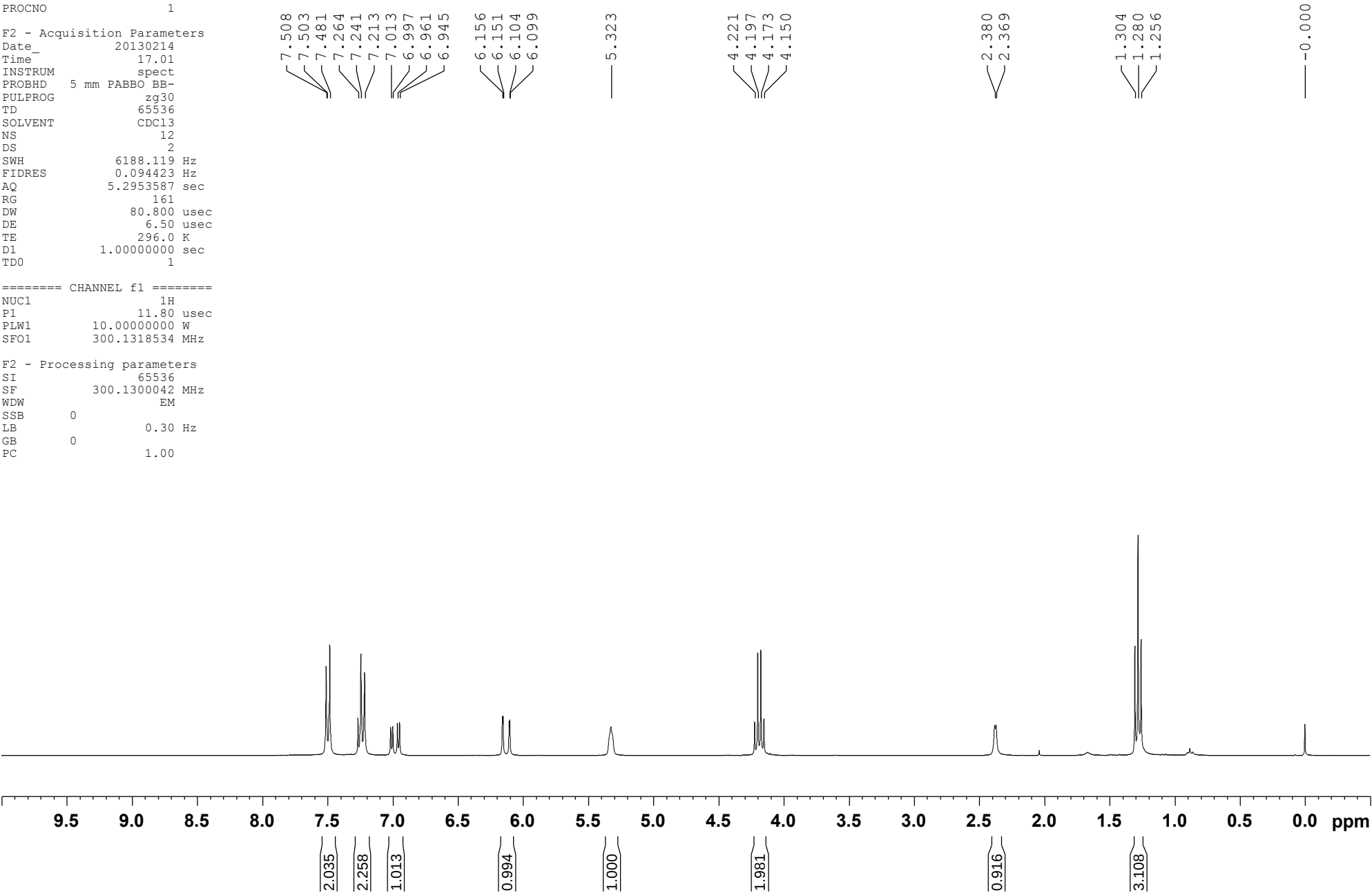
1H NMR (E)-Ethyl 4-(4-Bromophenyl)-4-hydroxybut-2-enoate (4l')

Current Data Parameters
NAME LJH
EXPNO 314301
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130214
Time 17.01
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 161
DW 80.800 usec
DE 6.50 usec
TE 296.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SF01 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300042 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



13C NMR (E)-Ethyl 4-(4-bromophenyl)-4-hydroxybut-2-enoate (4l')

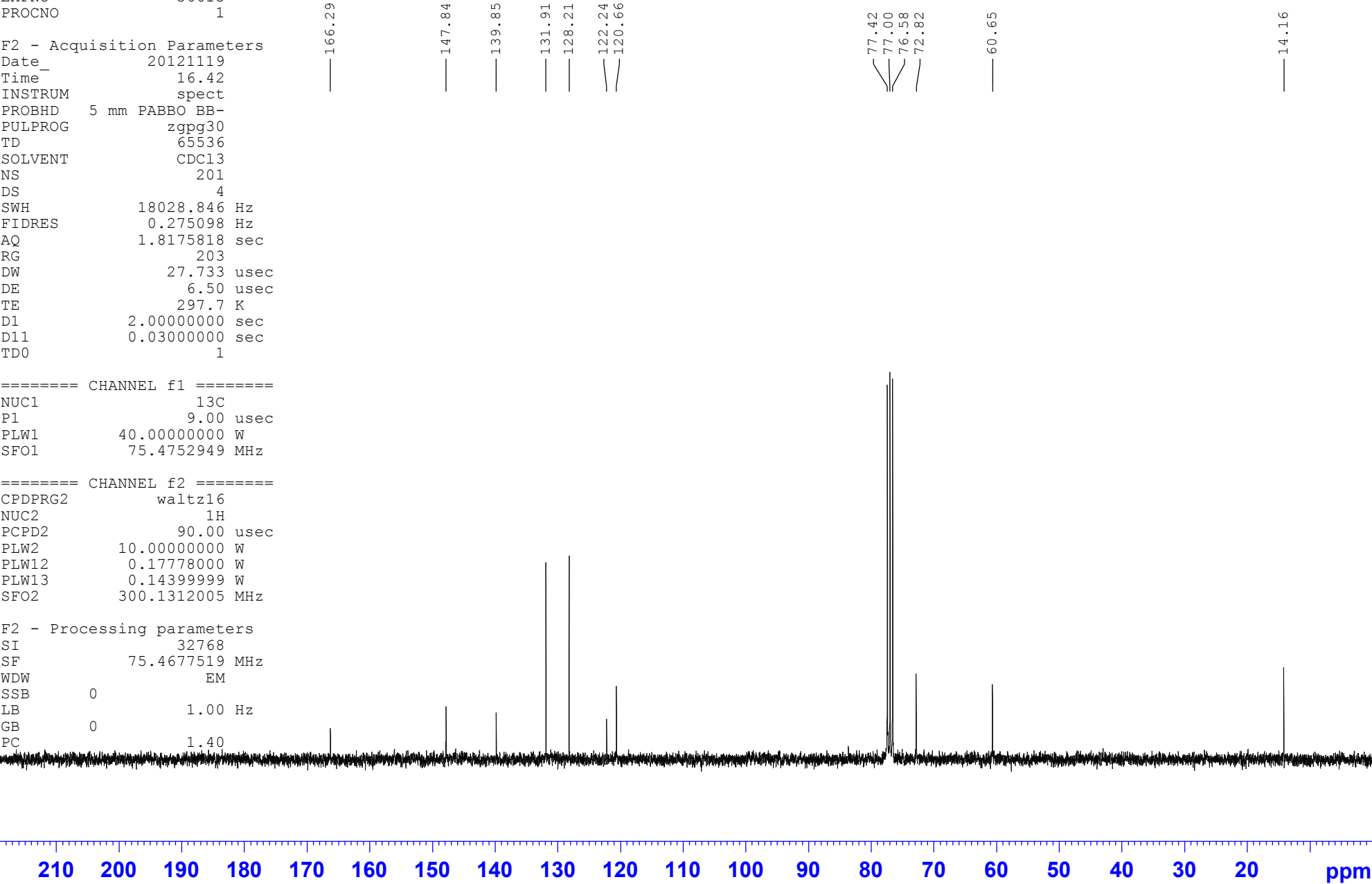
Current Data Parameters
NAME LJH
EXPNO 36613
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121119
Time_ 16.42
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 201
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677519 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



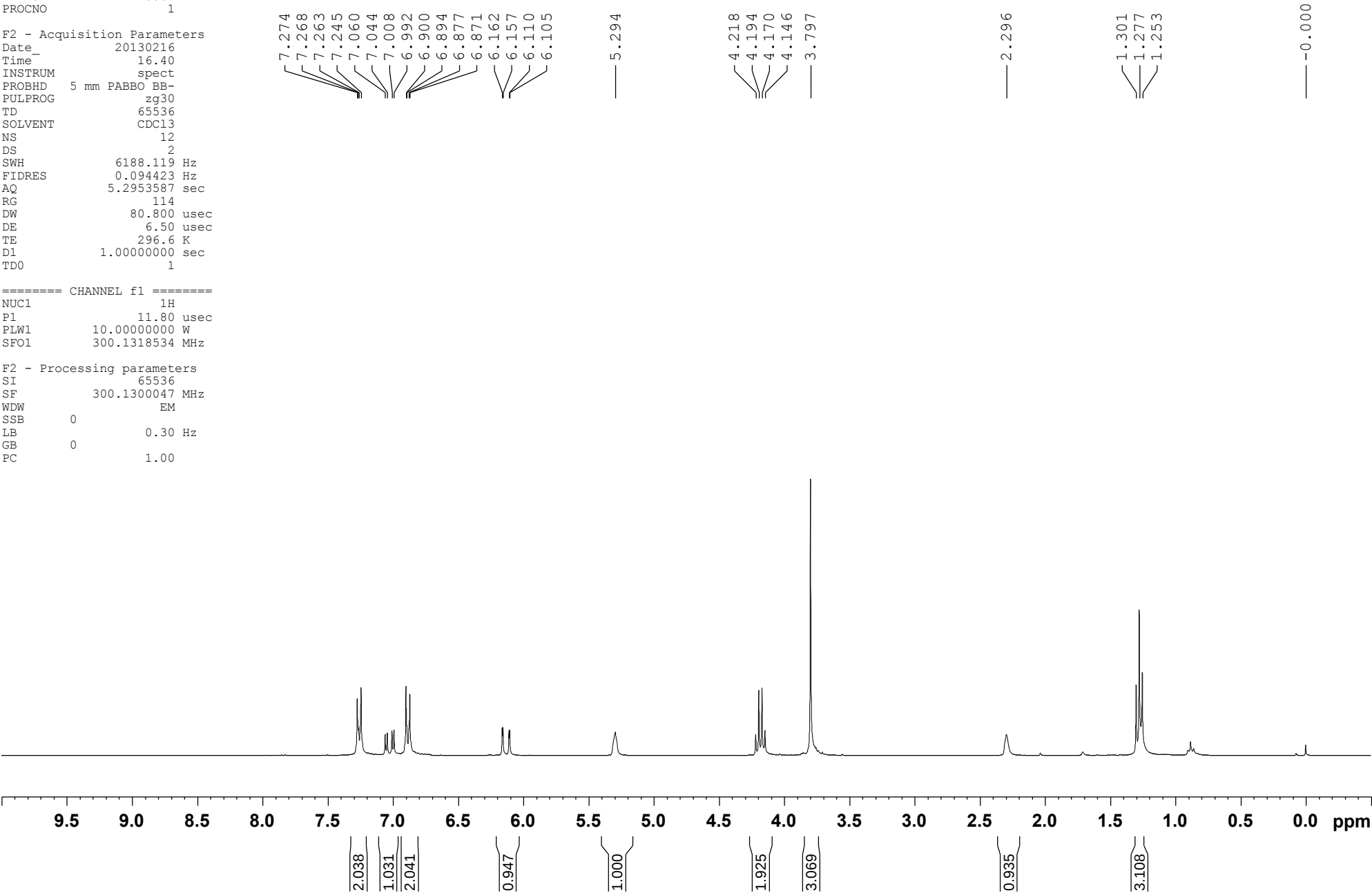
¹H NMR (E)-Ethyl 4-Hydroxy-4-(4-methoxyphenyl)but-2-enoate (4m')

Current Data Parameters
NAME LJHC
EXPNO 218502
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130216
Time 16.40
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 114
DW 80.800 usec
DE 6.50 usec
TE 296.6 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300047 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-Hydroxy-4-(4-methoxyphenyl)but-2-enoate (1m')

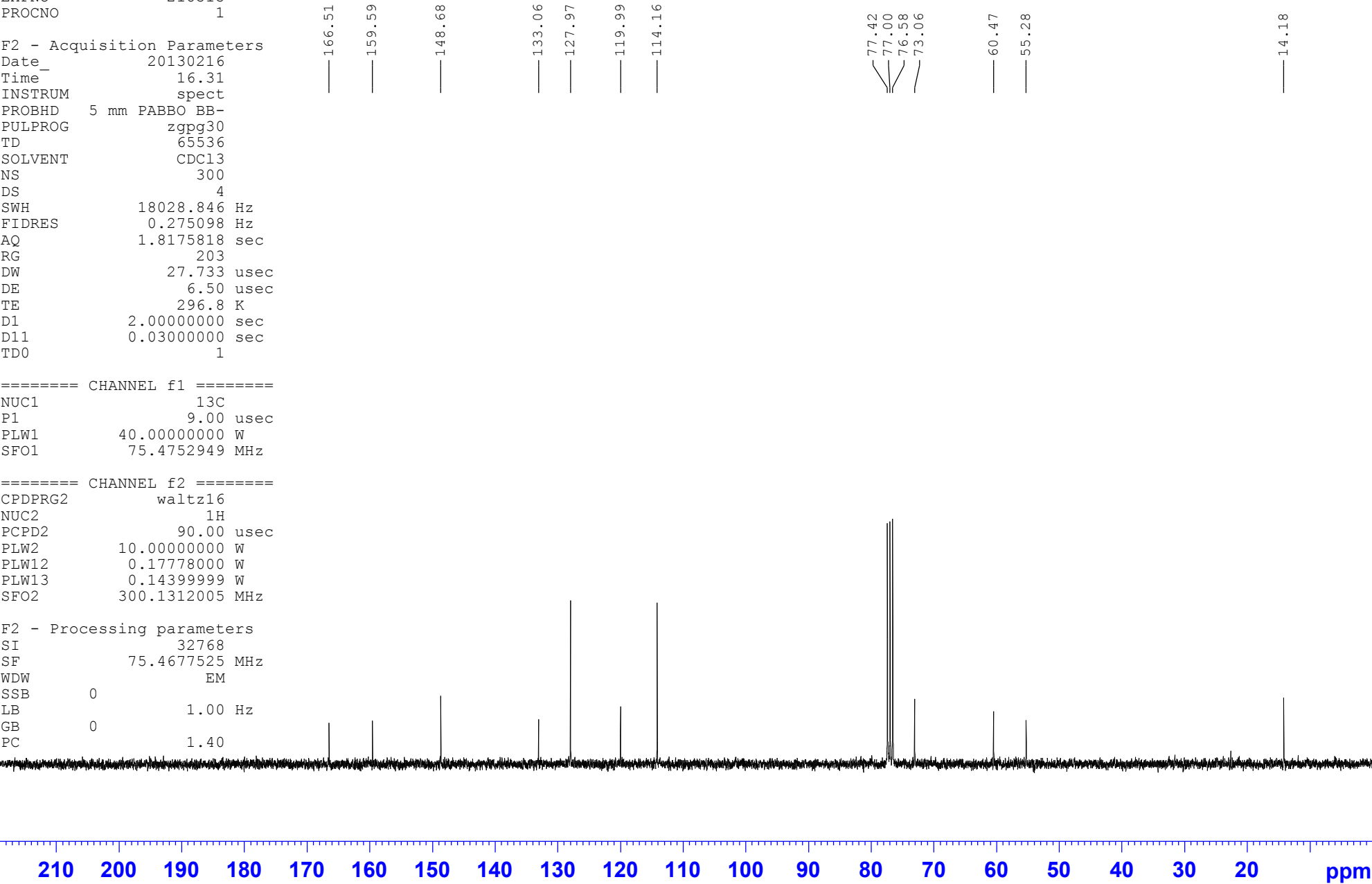
Current Data Parameters
NAME LJHC
EXPNO 218515
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130216
Time_ 16.31
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 300
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 296.8 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677525 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



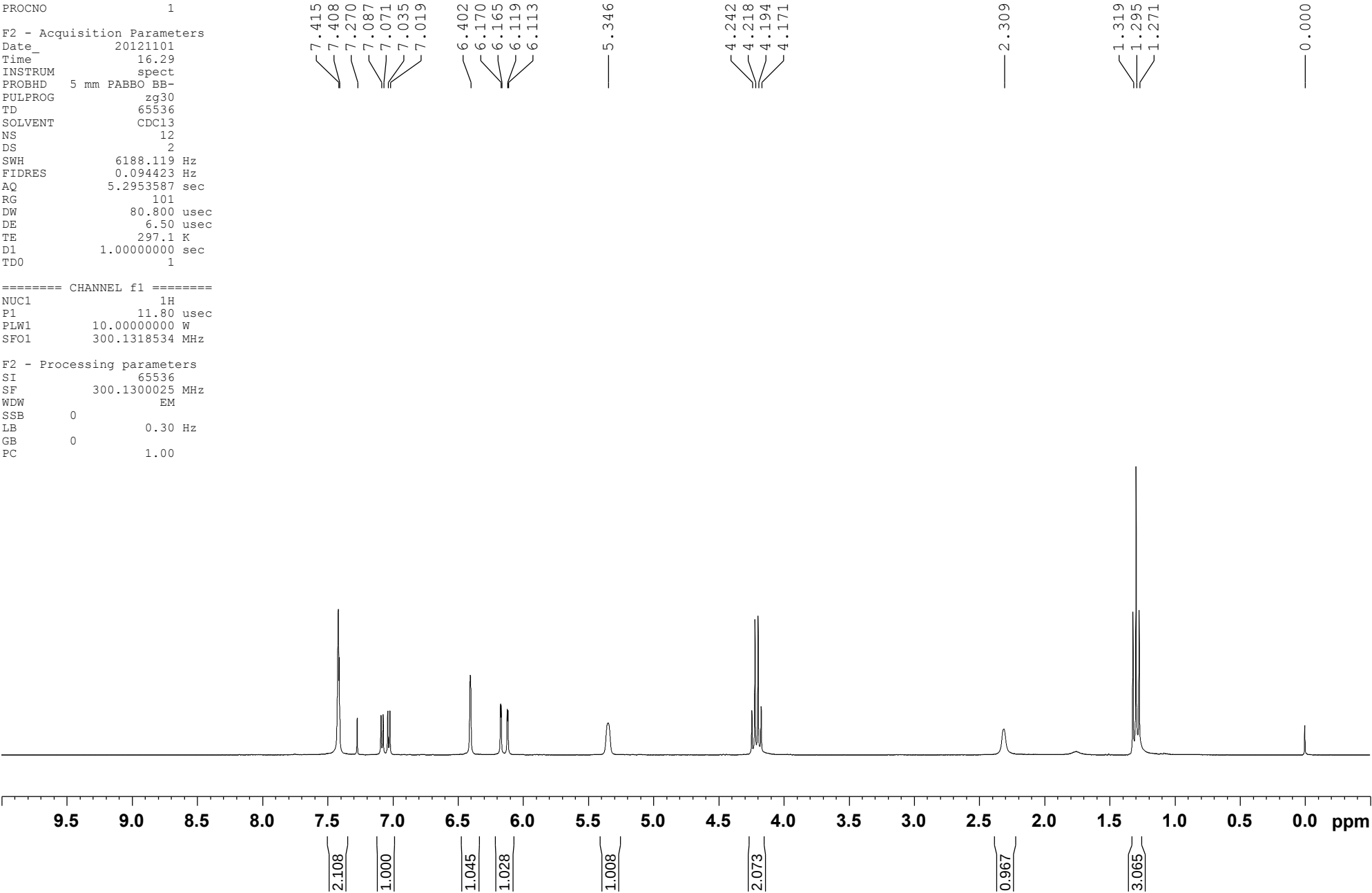
¹H NMR (E)-Ethyl 4-(3-Furanyl)-4-hydroxybut-2-enoate (4n')

Current Data Parameters
NAME LJH
EXPNO 35001
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121101
Time 16.29
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 usec
DE 6.50 usec
TE 297.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SF01 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300025 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(3-Furanyl)-4-hydroxybut-2-enoate (4n')

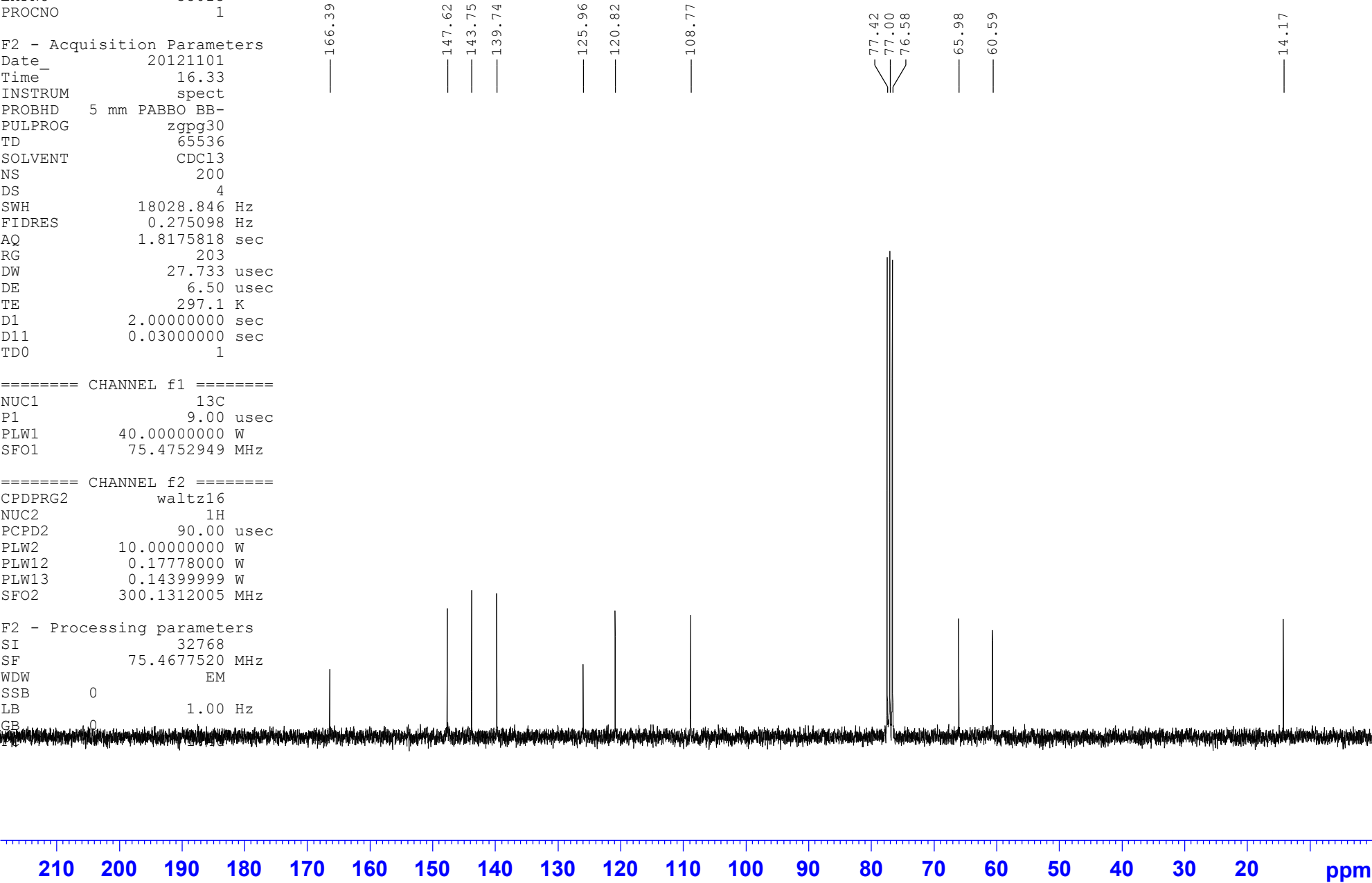
Current Data Parameters
NAME LJH
EXPNO 35013
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121101
Time_ 16.33
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 200
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677520 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0



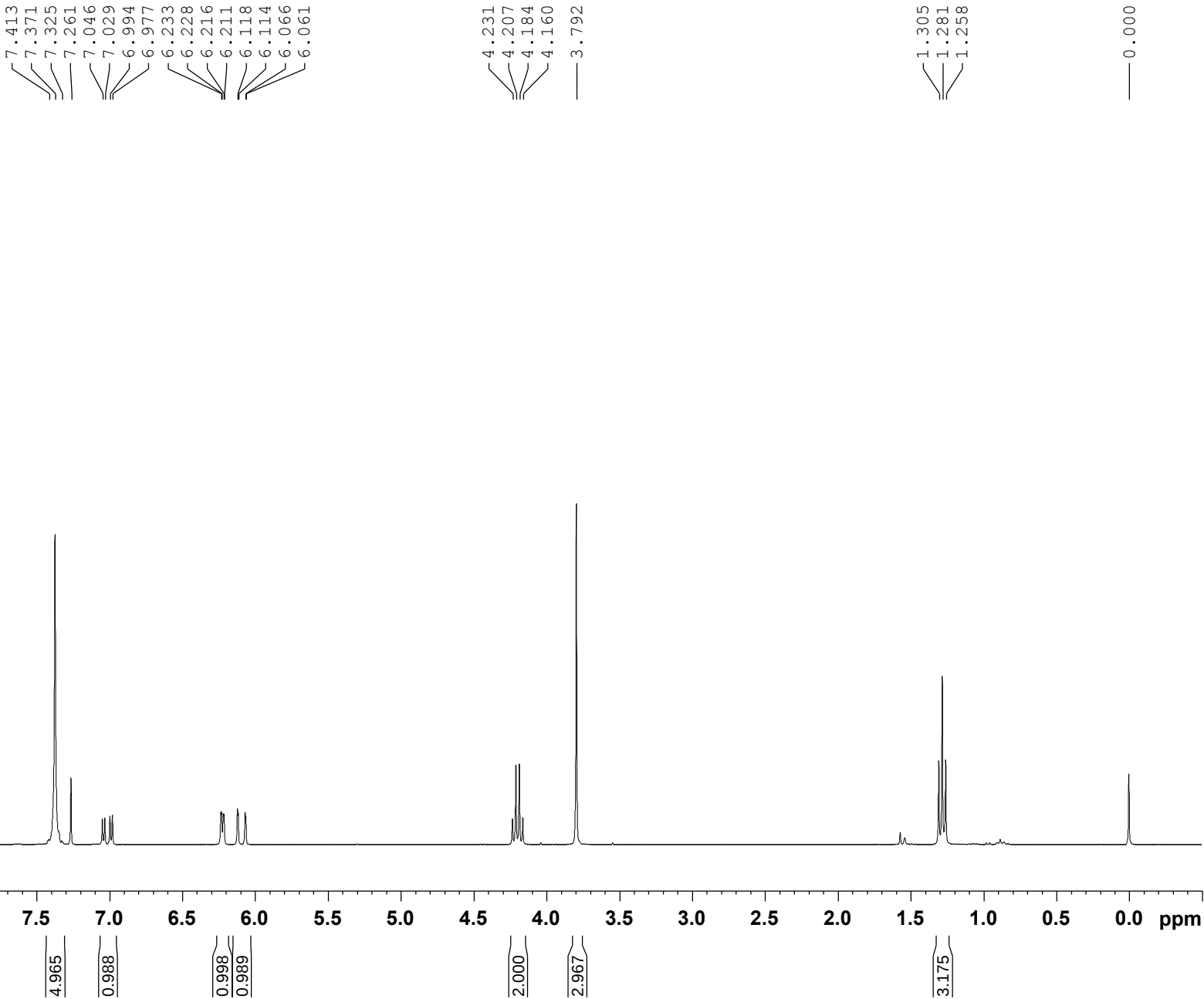
¹H NMR (E)-Ethyl 4-(Methoxycarbonyloxy)-4-phenylbut-2-enoate (1a)

Current Data Parameters
NAME LJH
EXPNO 6301
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120118
Time 10.47
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 144
DW 80.800 usec
DE 6.50 usec
TE 297.9 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300054 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(Methoxycarbonyloxy)-4-phenylbut-2-enoate (1a)

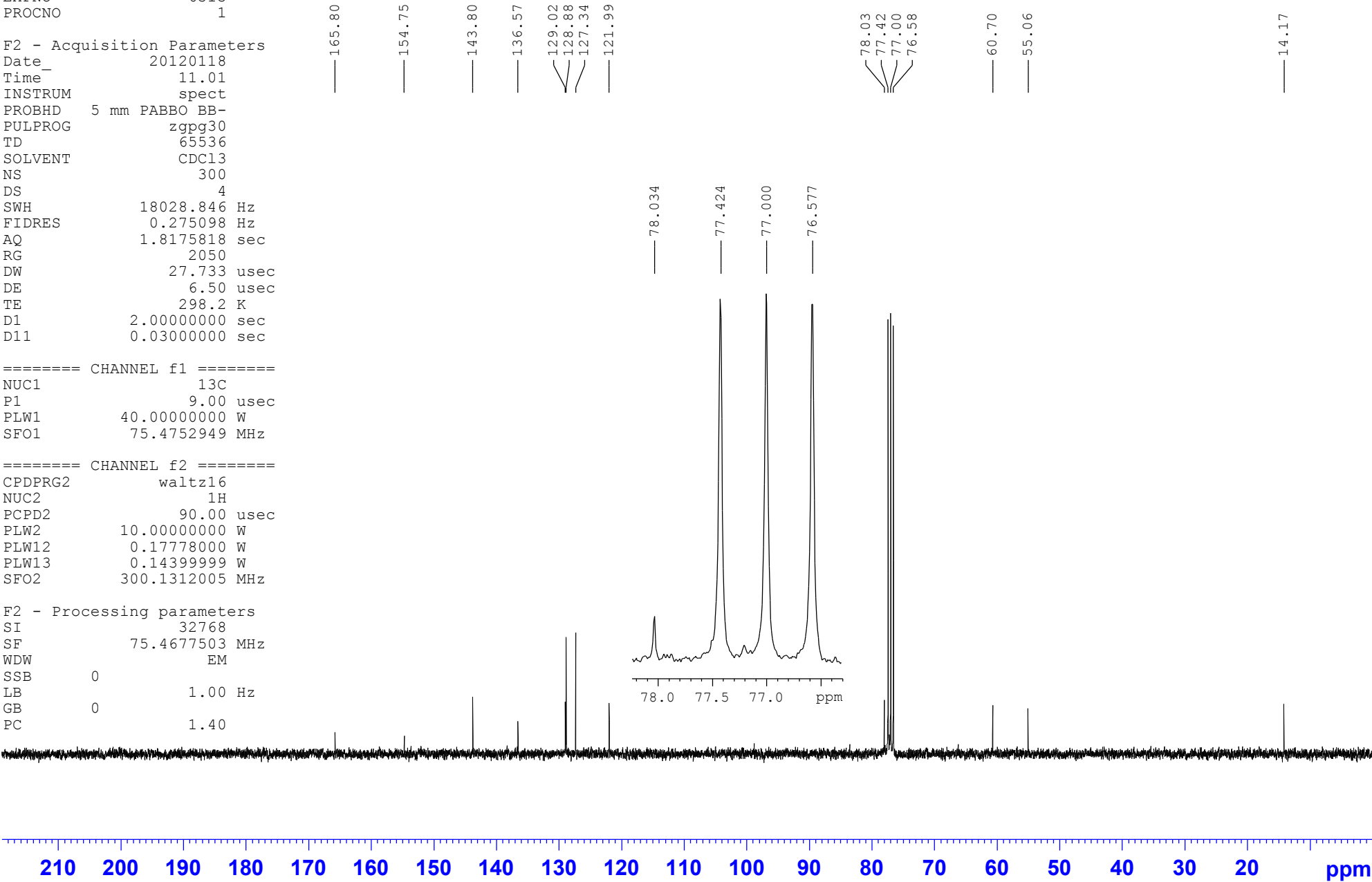
Current Data Parameters
NAME LJH
EXPNO 6313
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120118
Time_ 11.01
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 300
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 2050
DW 27.733 usec
DE 6.50 usec
TE 298.2 K
D1 2.00000000 sec
D11 0.03000000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677503 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



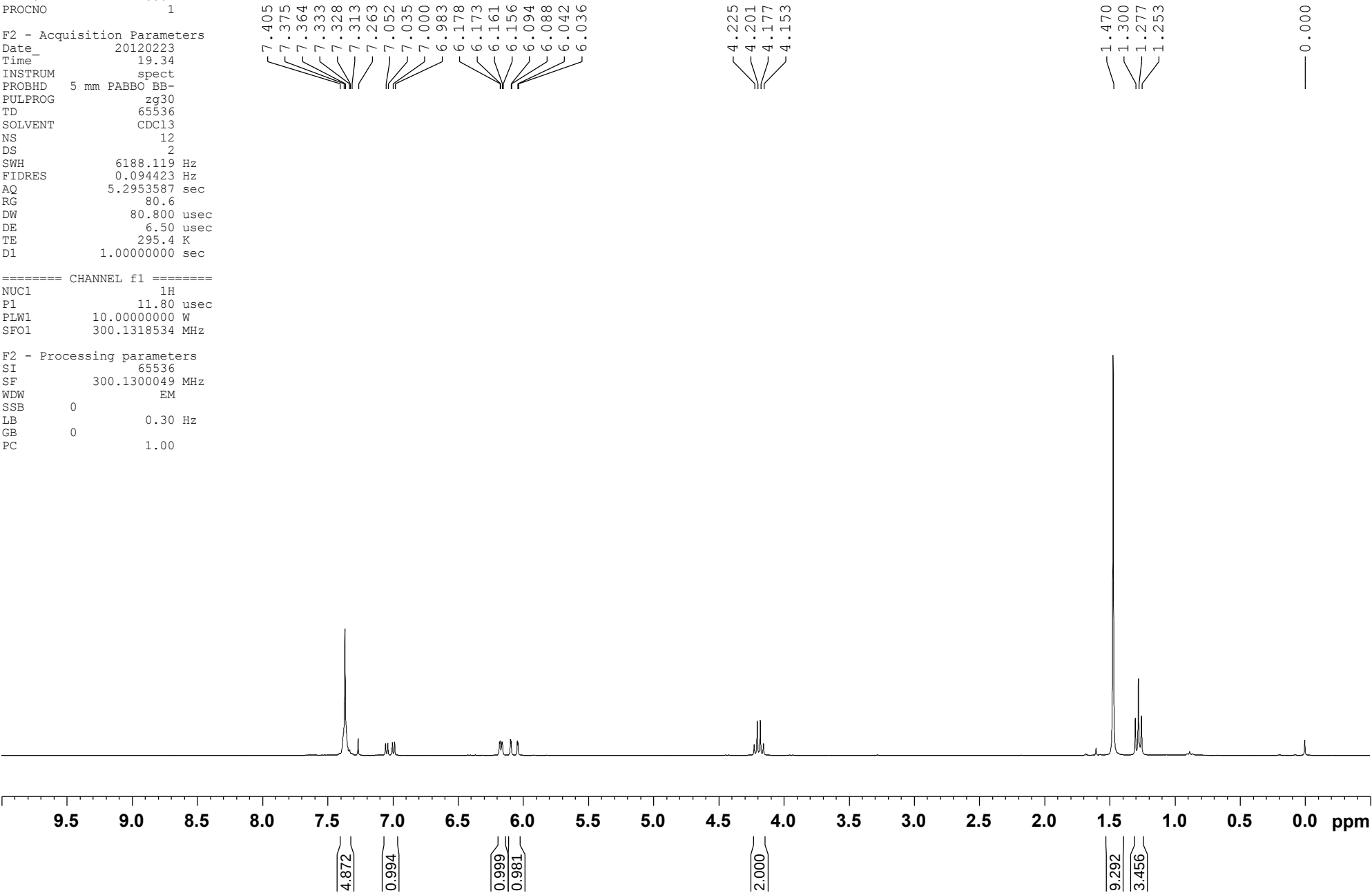
1H NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)-4-phenylbut-2-enoate (1b)

Current Data Parameters
NAME LJH
EXPNO 8502
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120223
Time 19.34
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 80.6
DW 80.800 usec
DE 6.50 usec
TE 295.4 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300049 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)-4-phenylbut-2-enoate (1b)

Current Data Parameters

NAME LJH
EXPNO 8514
PROCNO 1

F2 - Acquisition Parameters

Date_ 20120223
Time_ 19.42
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 180
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 812
DW 27.733 usec
DE 6.50 usec
TE 295.8 K
D1 2.00000000 sec
D11 0.03000000 sec

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

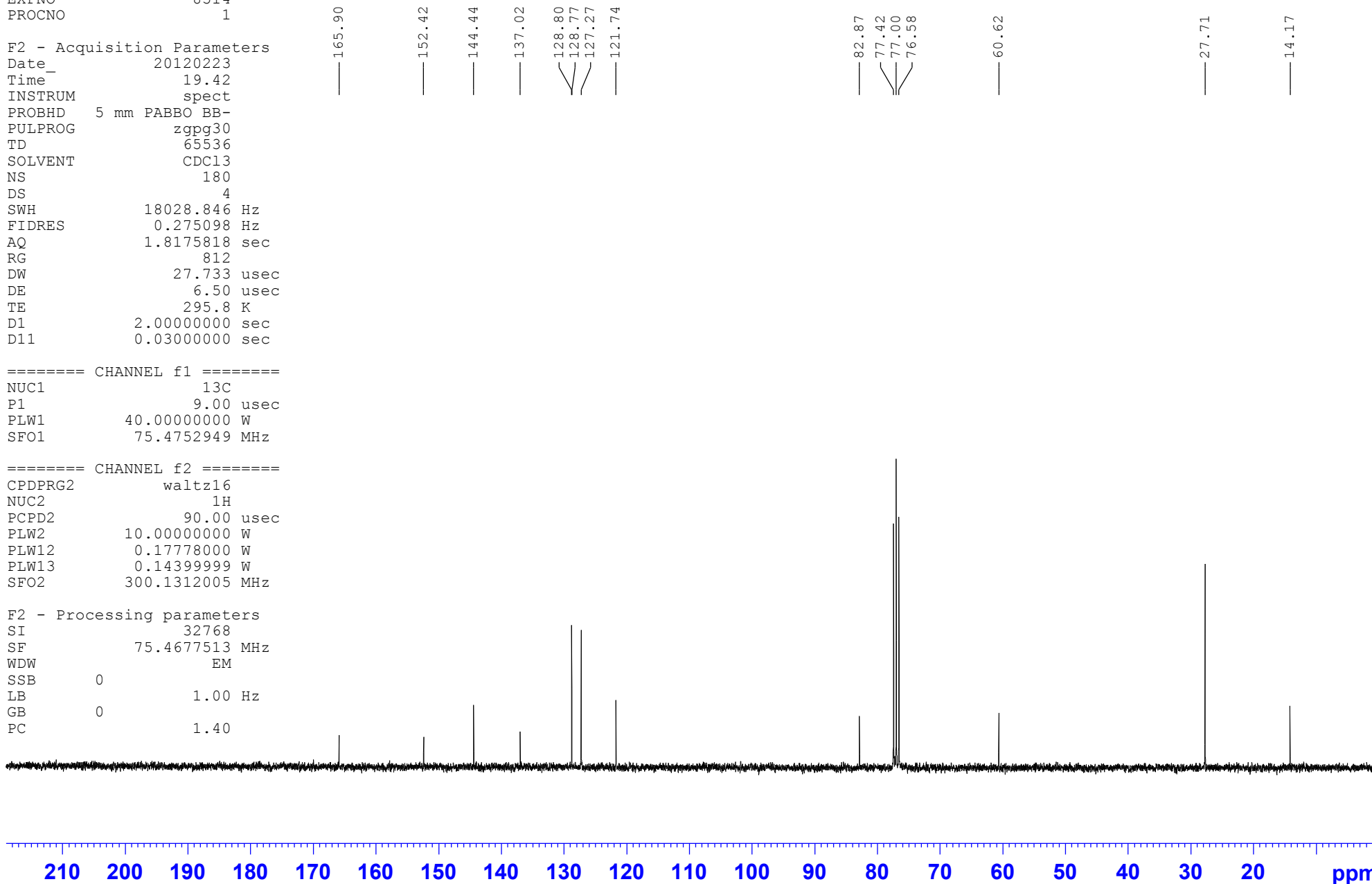
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677513 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



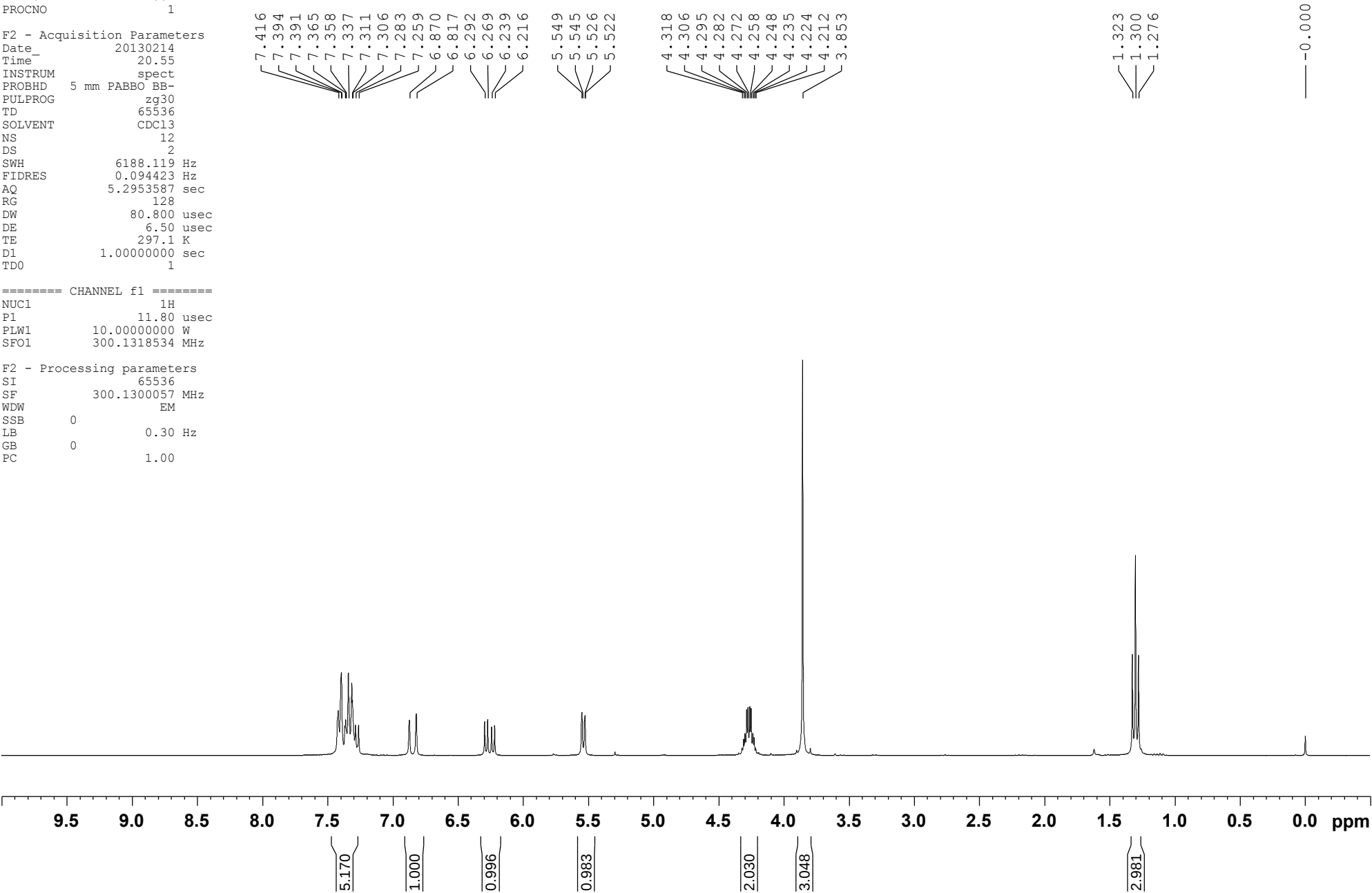
¹H NMR (E)-Ethyl 2-(Methoxycarbonyloxy)-4-phenylbut-3-enoate (1c)

Current Data Parameters
NAME LJH
EXPNO 27801
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130214
Time_ 20.55
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 128
DW 80.800 usec
DE 6.50 usec
TE 297.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300057 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 2-(Methoxycarbonyloxy)-4-phenylbut-3-enoate (1c)

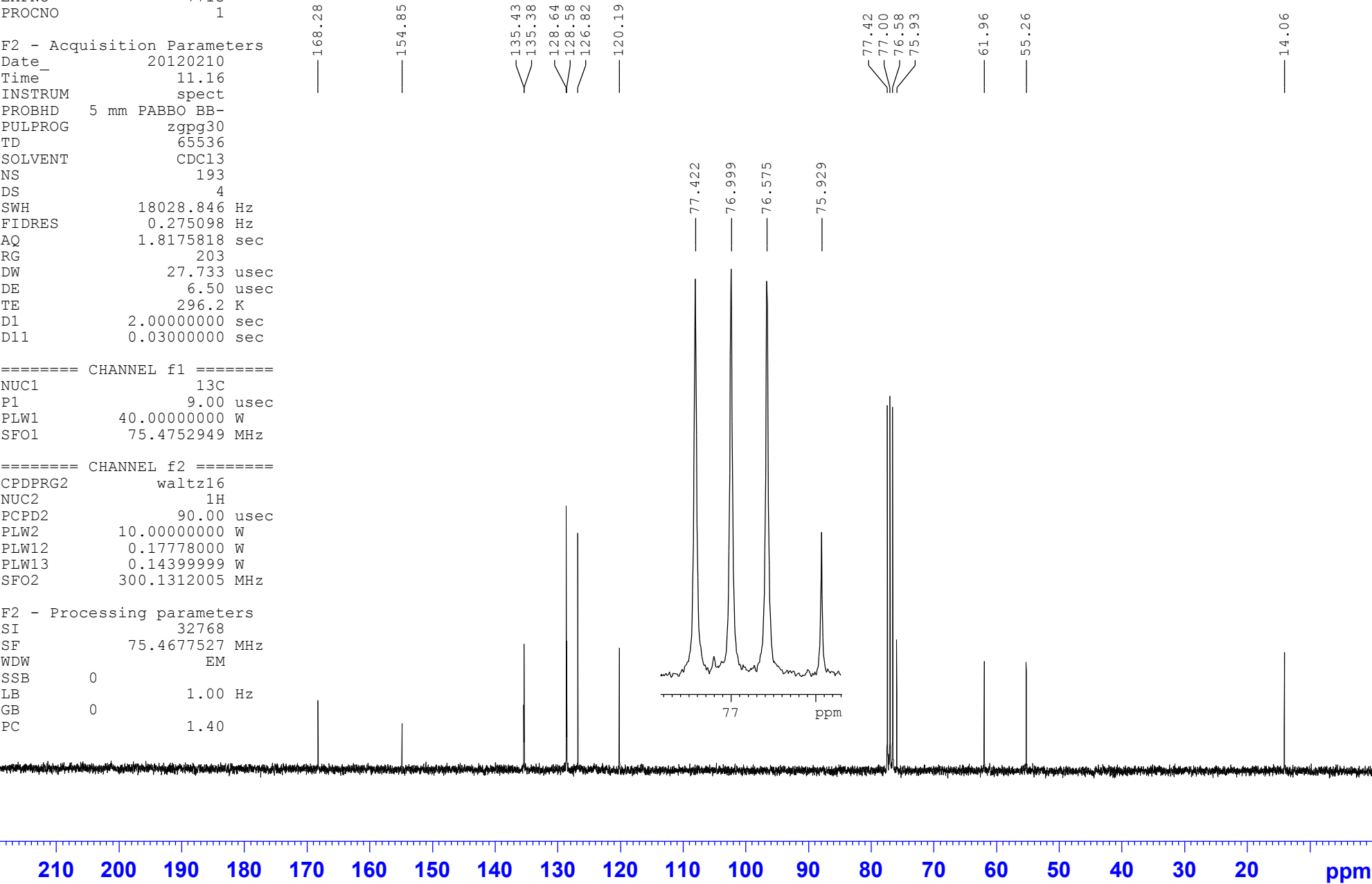
Current Data Parameters
NAME LJH
EXPNO 7713
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120210
Time 11.16
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 193
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 296.2 K
D1 2.00000000 sec
D11 0.03000000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677527 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



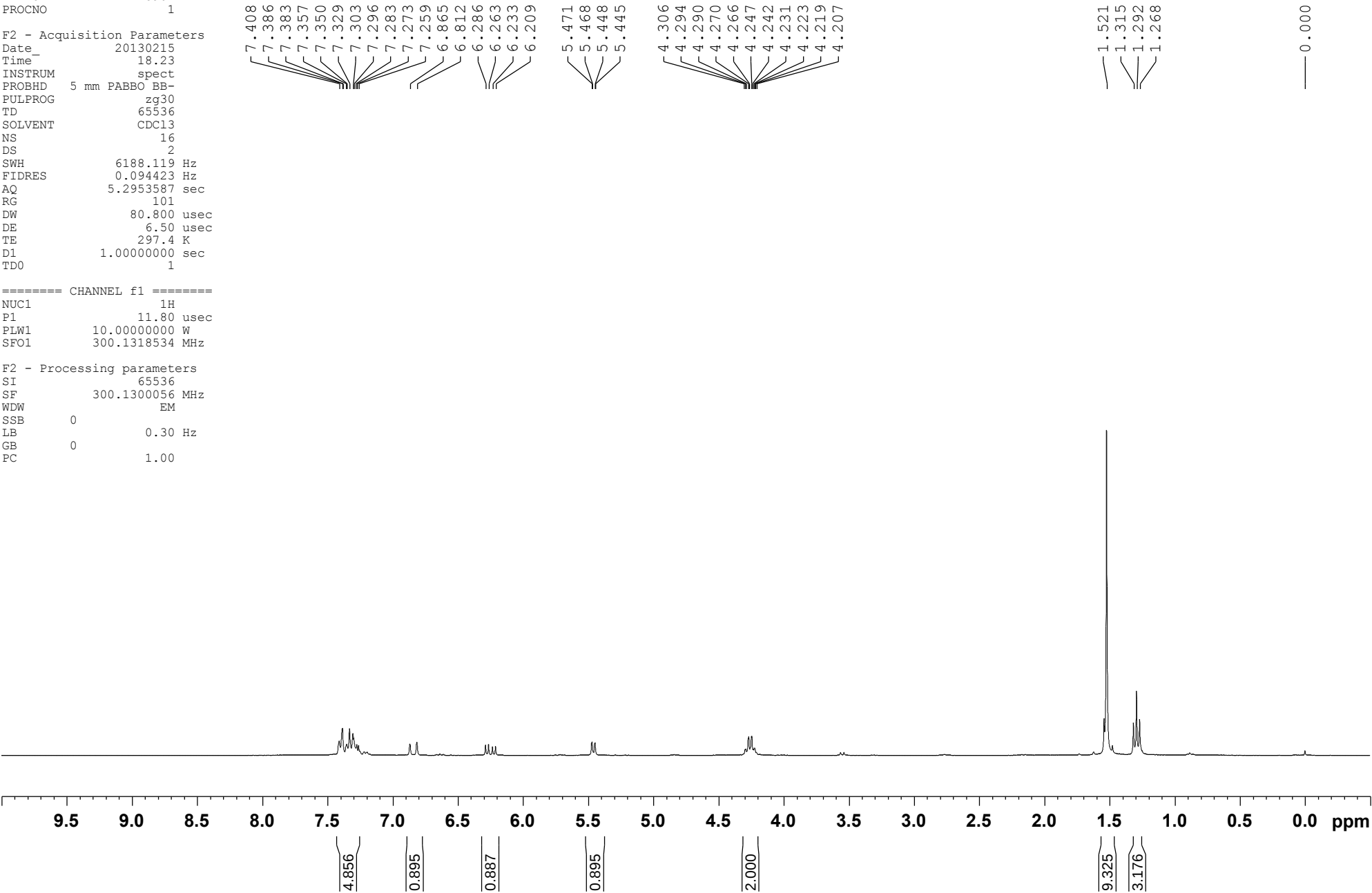
1H NMR (E)-Ethyl 2-(tert-Butoxycarbonyloxy)-4-phenylbut-2-enoate (1d)

Current Data Parameters
NAME LJHC
EXPNO 28904
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130215
Time 18.23
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 usec
DE 6.50 usec
TE 297.4 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300056 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 2-(tert-Butoxycarbonyloxy)-4-phenylbut-2-enoate (1d)

Current Data Parameters

NAME LJHC
EXPNO 28915
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130215
Time 18.15
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 160
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

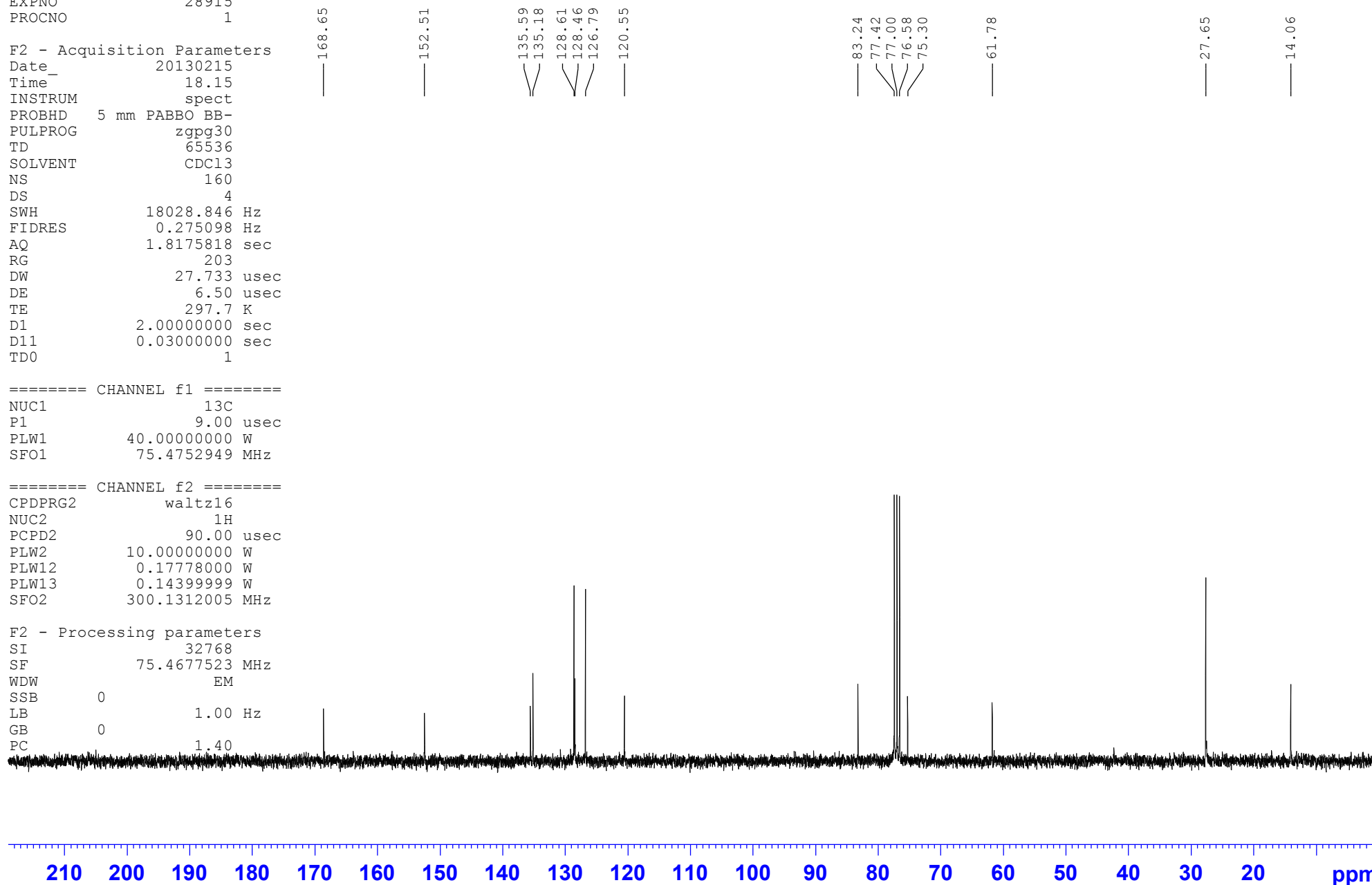
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

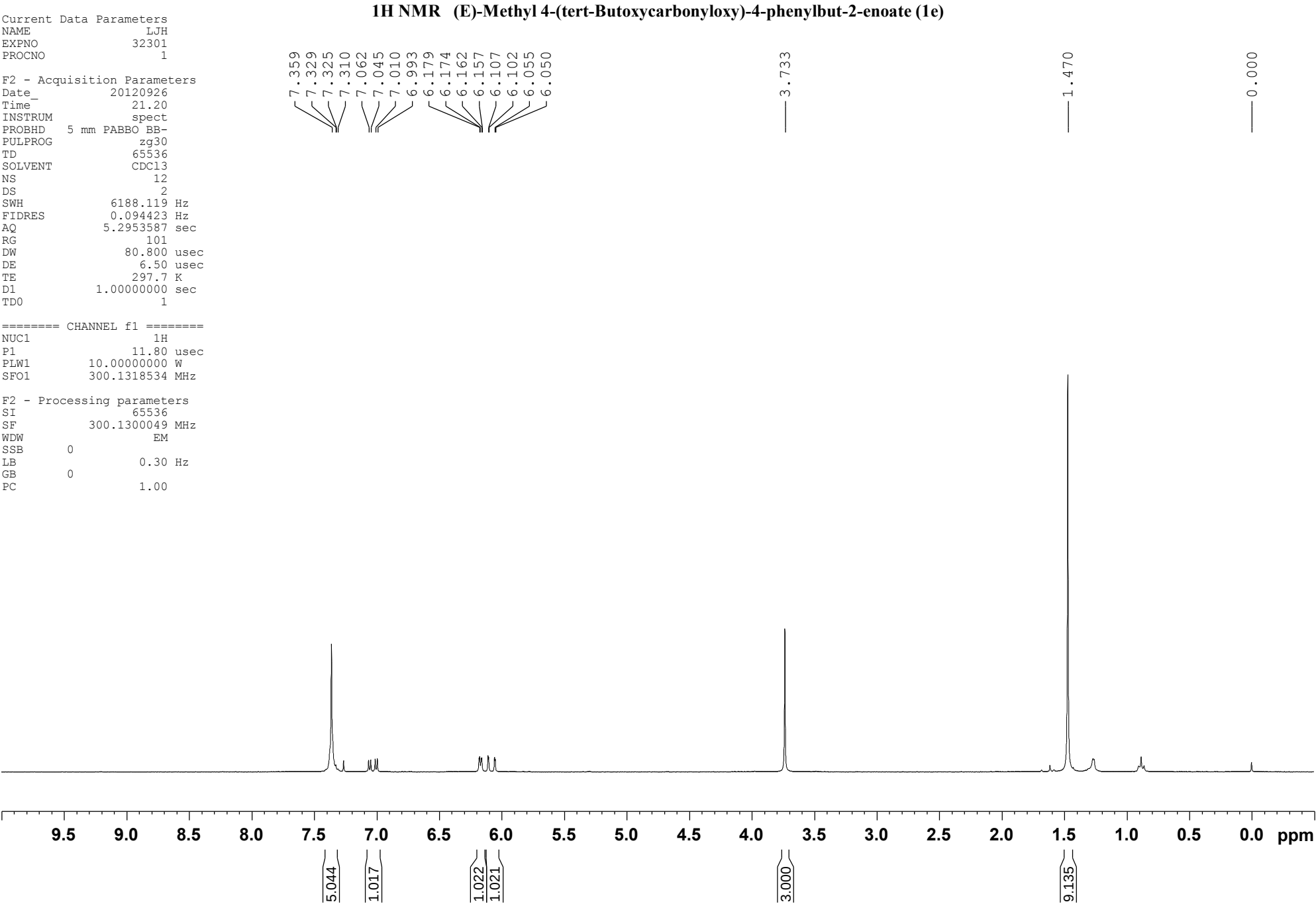
===== CHANNEL f2 =====

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677523 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





¹³C NMR (E)-Methyl 4-(tert-Butoxycarbonyloxy)-4-phenylbut-2-enoate (1e)

Current Data Parameters
NAME LJHC
EXPNO 32315
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130221
Time_ 16.32
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT C6D6
NS 234
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

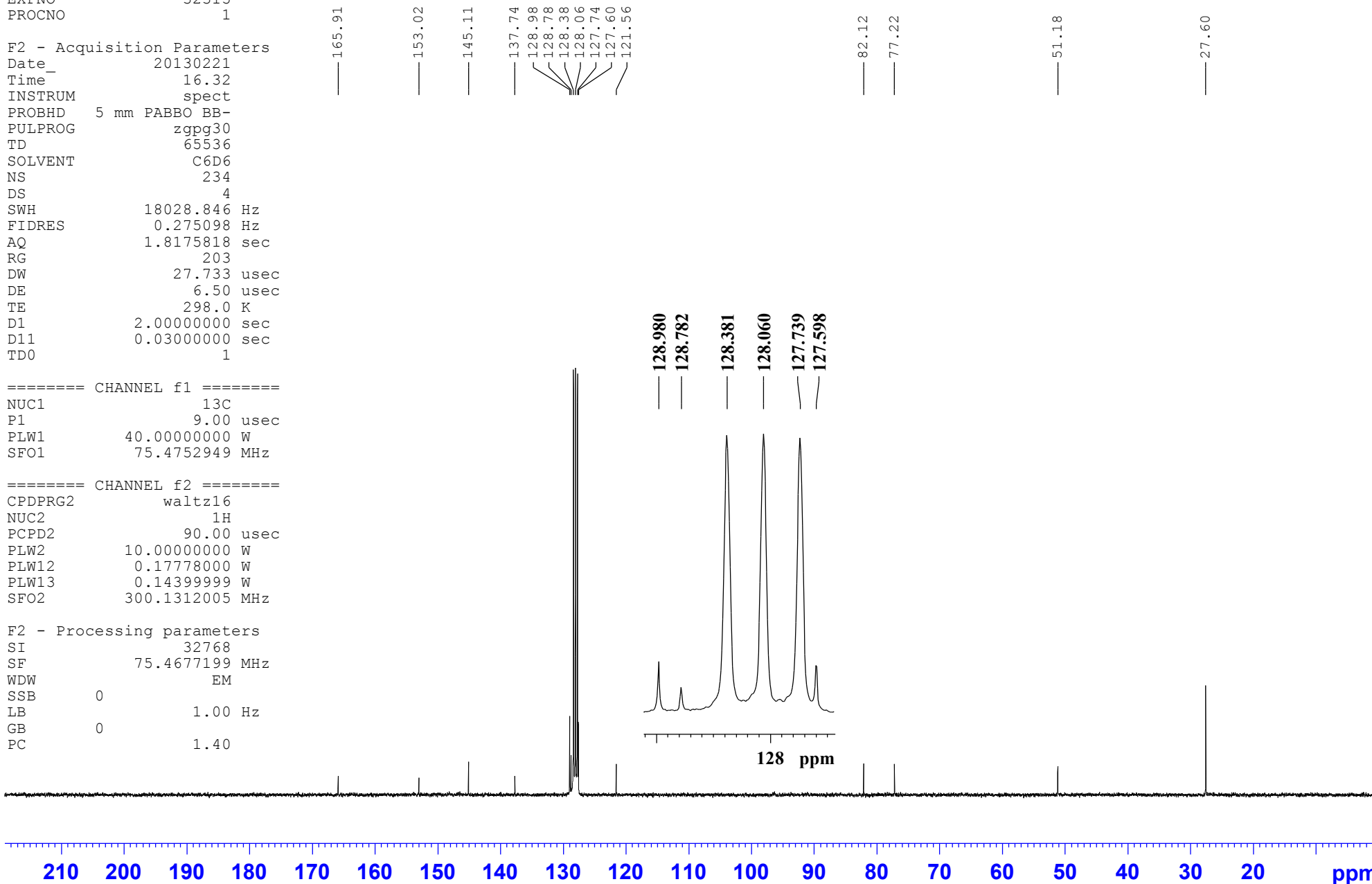
NUC1 ¹³C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 ¹H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677199 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



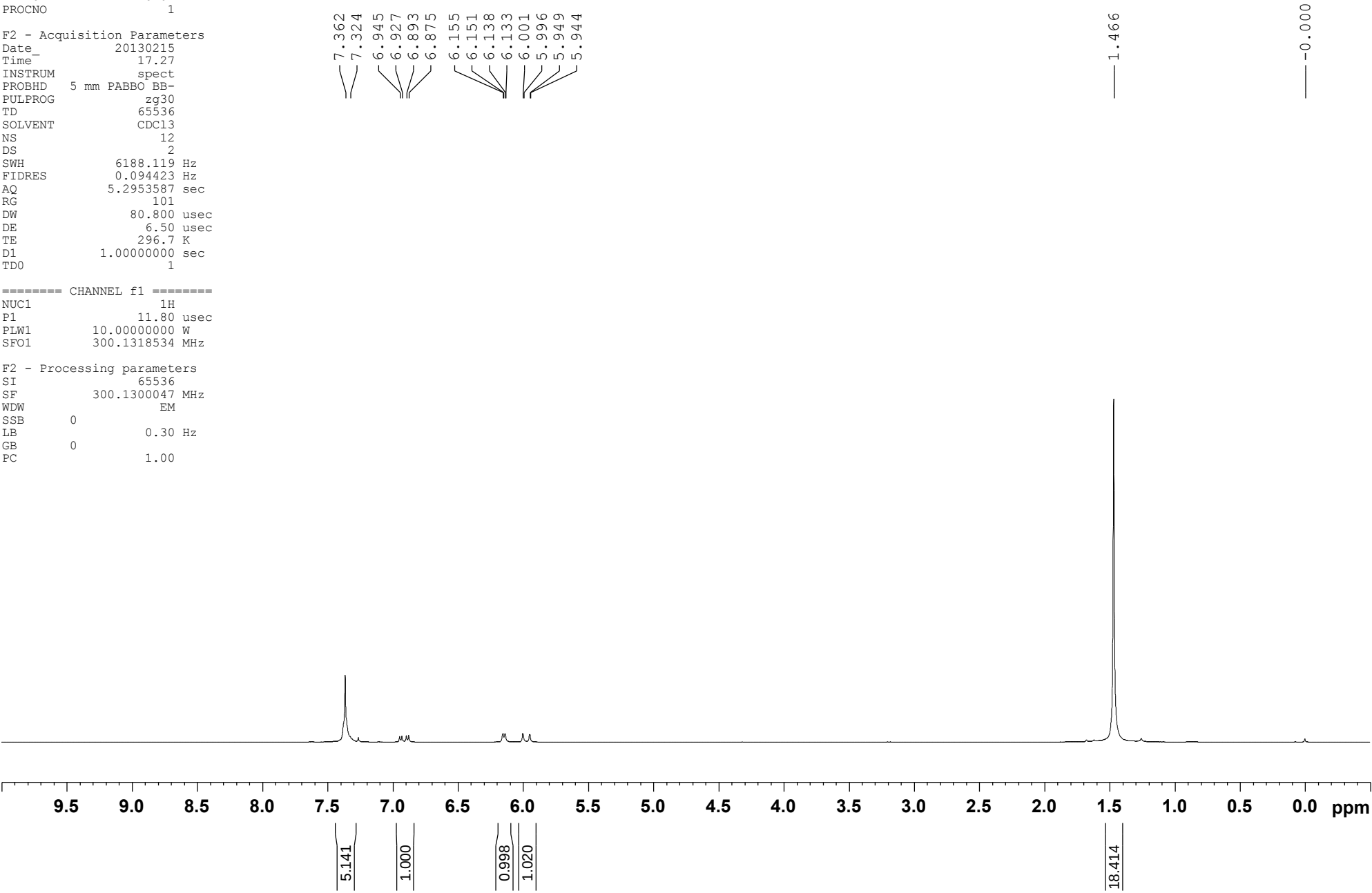
¹H NMR (E)-ter-Butyl 4-(tert-Butoxycarbonyloxy)-4-phenylbut-2-enoate (1f)

Current Data Parameters
NAME LJHC
EXPNO 218701
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130215
Time 17.27
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 usec
DE 6.50 usec
TE 296.7 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300047 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-ter-Butyl 4-(tert-Butoxycarbonyloxy)-4-phenylbut-2-enoate (1f)

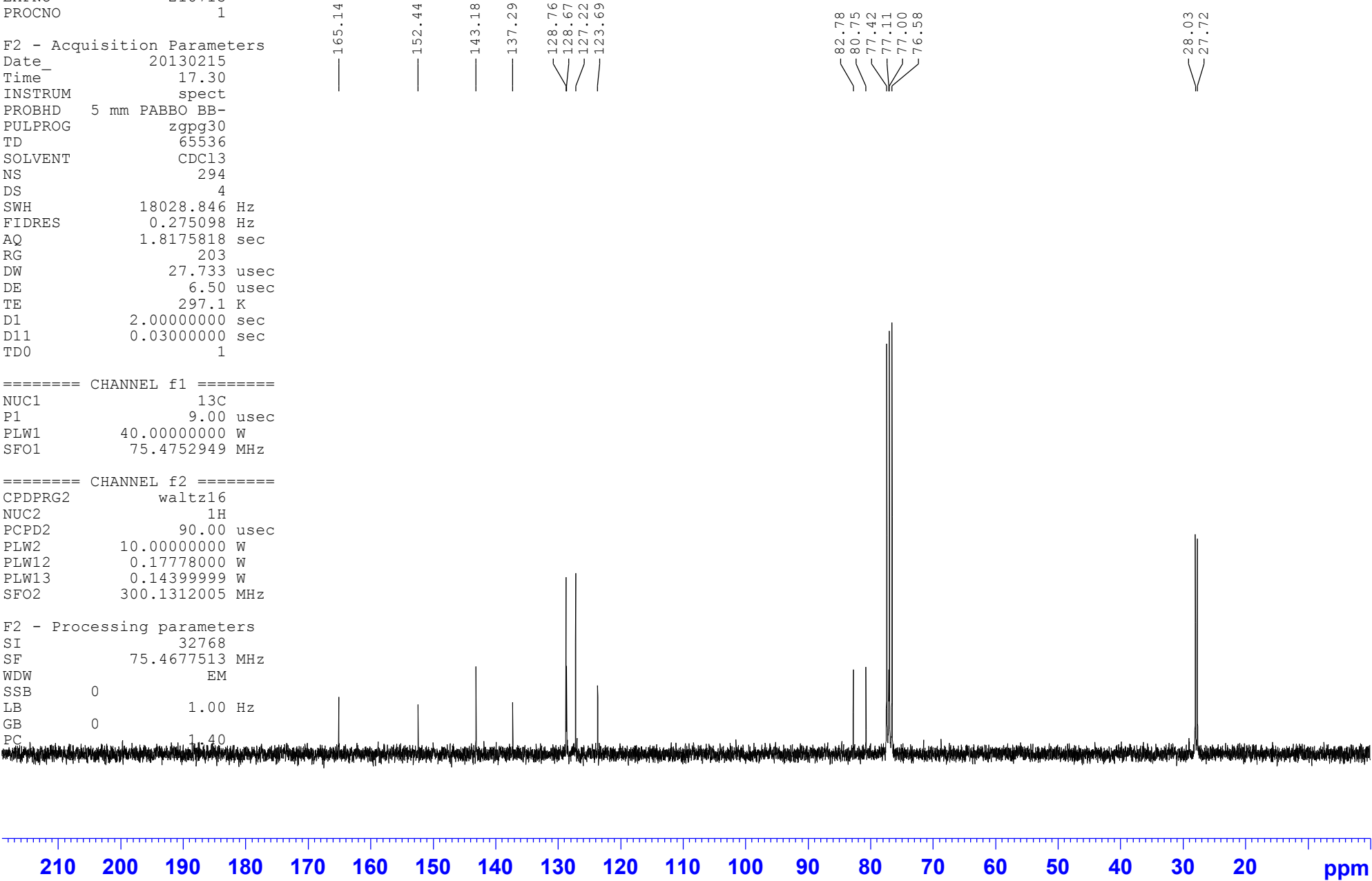
Current Data Parameters
NAME LJHC
EXPNO 218713
PROCNO 1

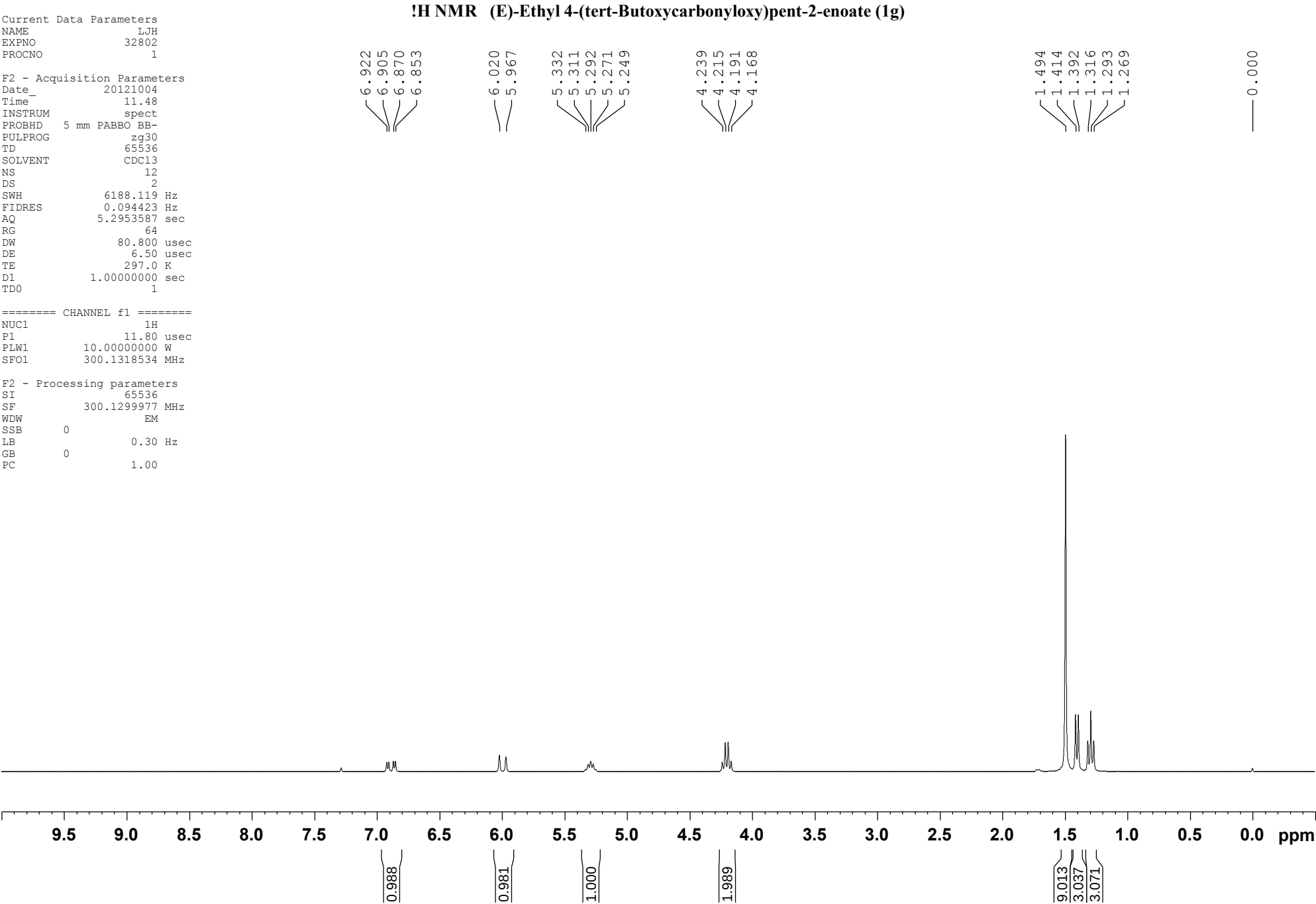
F2 - Acquisition Parameters
Date_ 20130215
Time_ 17.30
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 294
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677513 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





¹³C NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)pent-2-enoate (1g)

Current Data Parameters

NAME LJH
EXPNO 32814
PROCNO 1

F2 - Acquisition Parameters

Date_ 20121004
Time_ 11.52
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 200
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

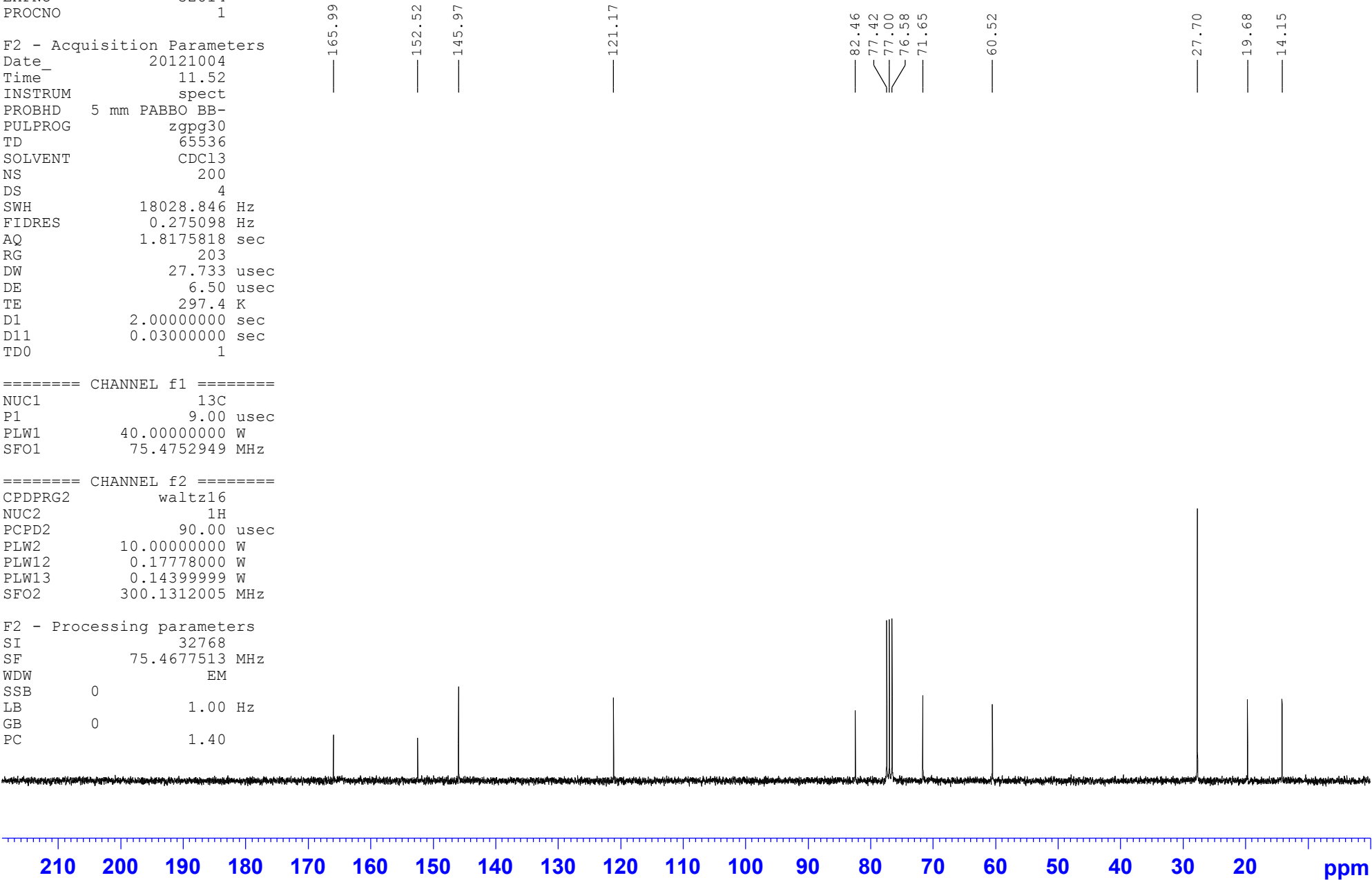
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677513 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

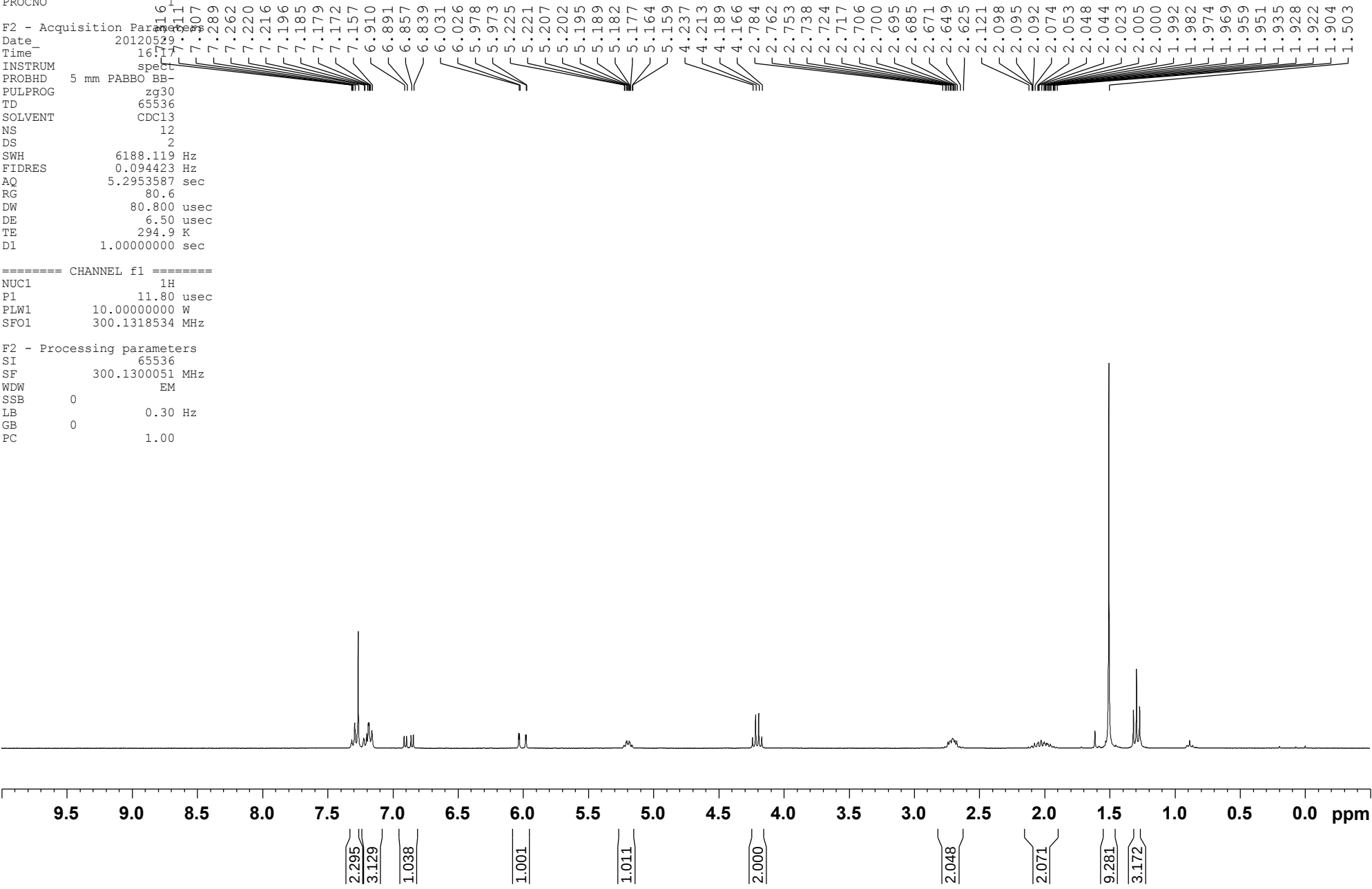


1H NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)-6-phenylhex-2-enoate (1h)

Current Data Parameters
NAME LJH
EXPNO 14301
PROCNO 1
F2 - Acquisition Parameters
Date_ 20120529
Time 16:17
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 80.6
DW 80.800 usec
DE 6.50 usec
TE 294.9 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)-6-phenylhex-2-enoate (1h)

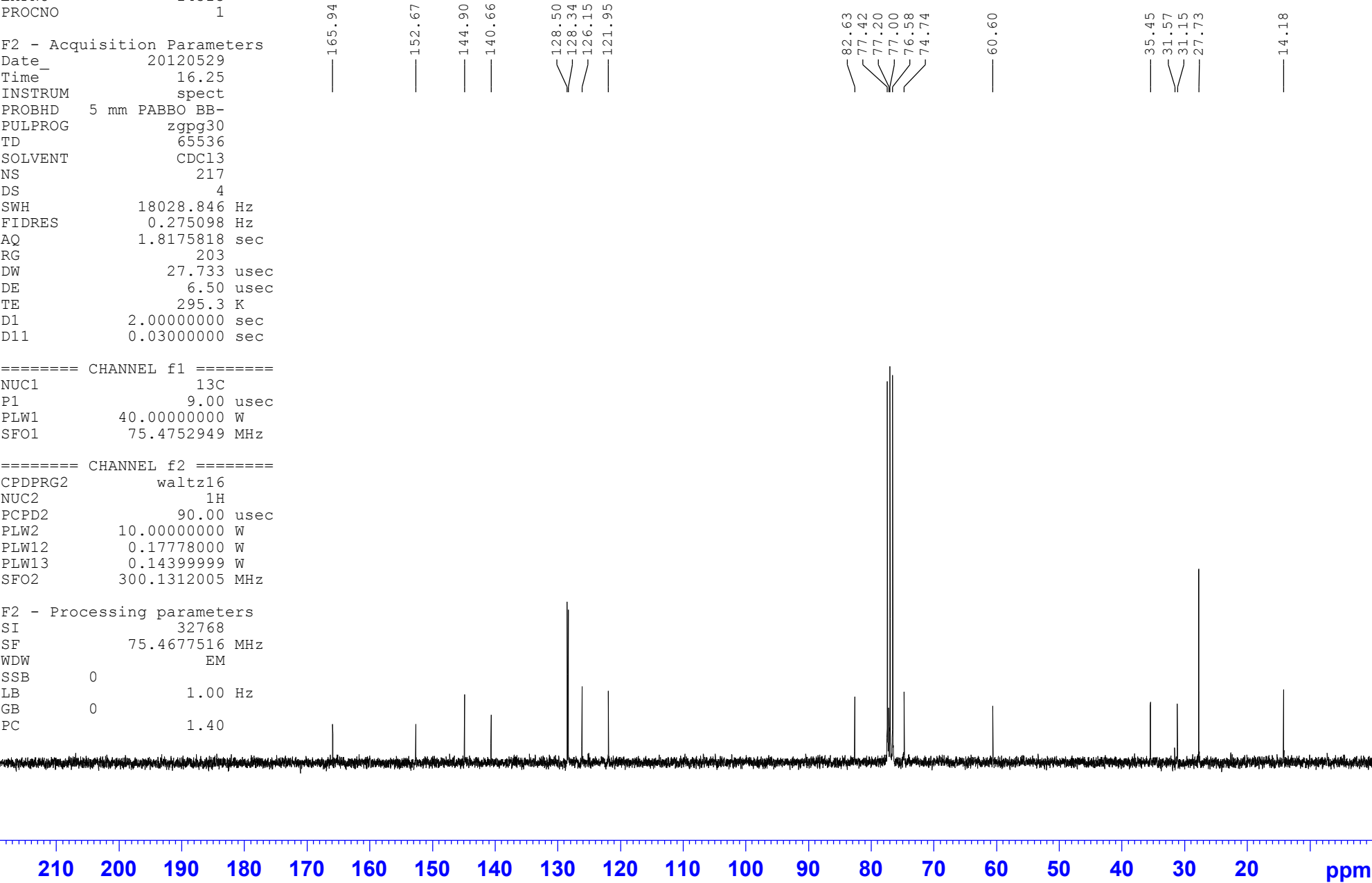
Current Data Parameters
NAME LJH
EXPNO 14313
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120529
Time 16.25
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 217
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 295.3 K
D1 2.00000000 sec
D11 0.03000000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677516 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



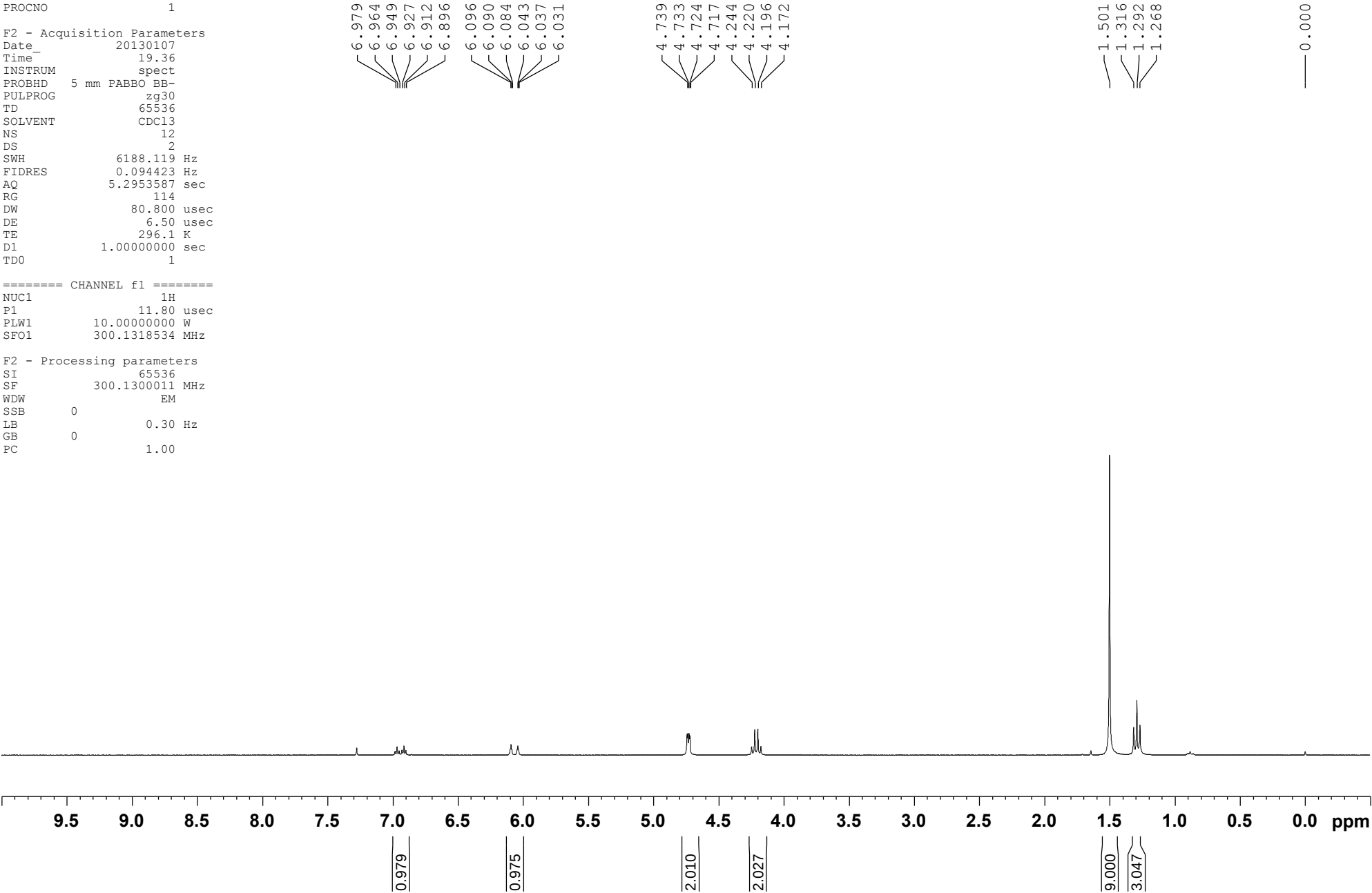
Current Data Parameters
NAME LJH
EXPNO 311404
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130107
Time_ 19.36
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 114
DW 80.800 usec
DE 6.50 usec
TE 296.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.130011 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

¹H NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)but-2-enoate (1i)



¹³C NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)but-2-enoate (1i)

Current Data Parameters

NAME LJH
EXPNO 311415
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130107
Time_ 19.41
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 204
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 296.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

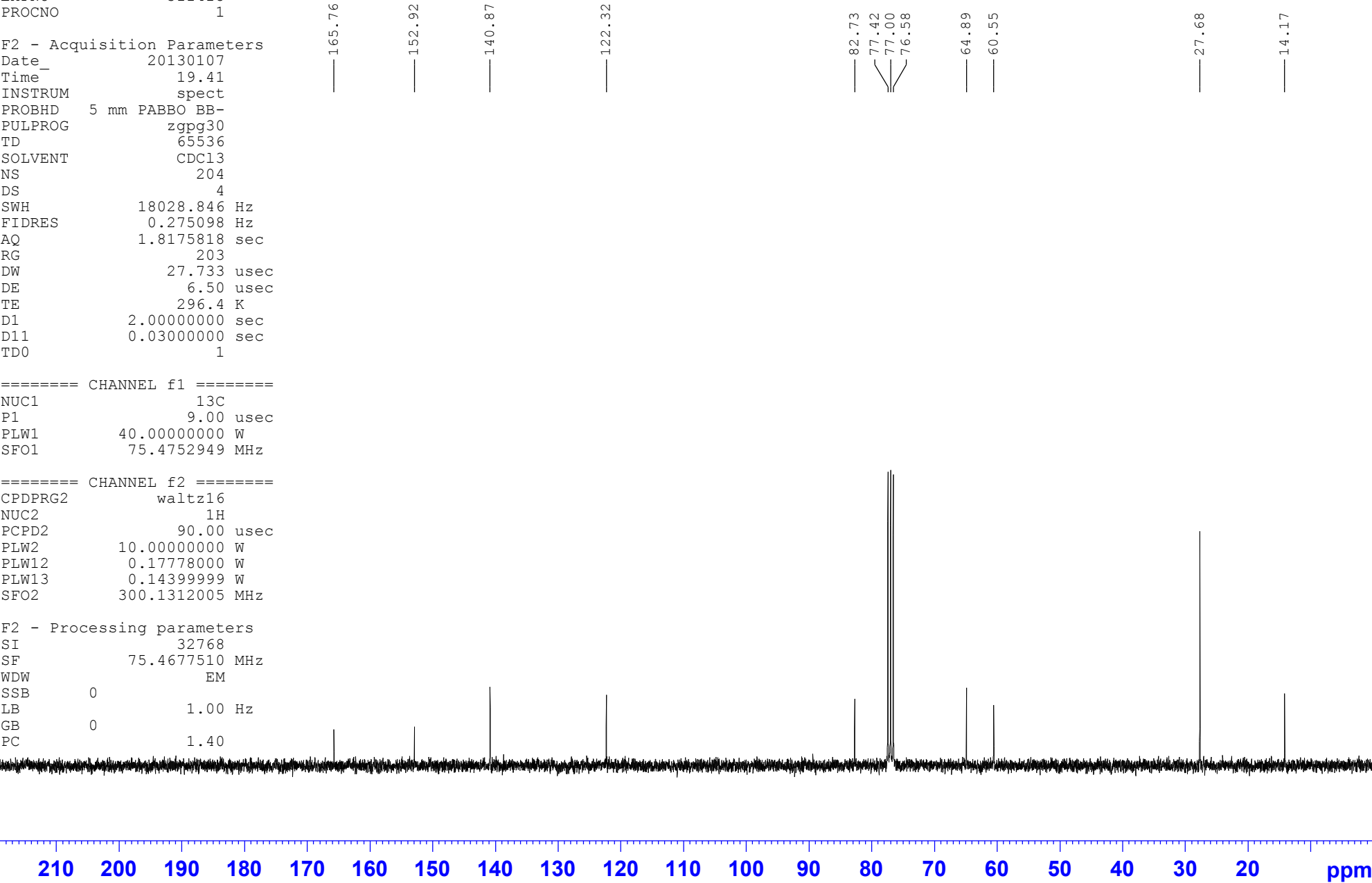
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677510 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



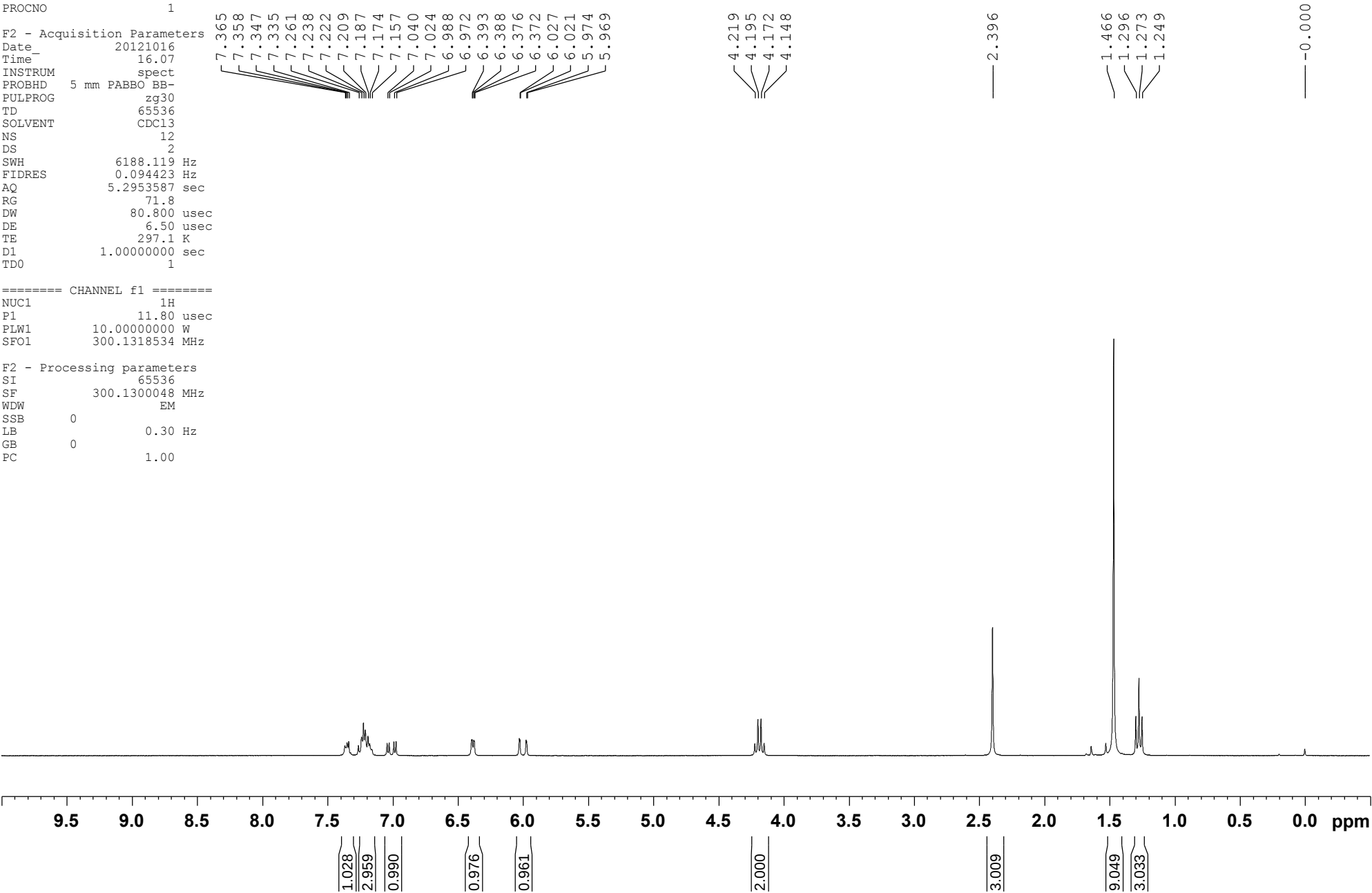
1H NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)-4-(2-methylphenyl)but-2-enoate (1j)

Current Data Parameters
NAME LJH
EXPNO 33601
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121016
Time 16.07
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 71.8
DW 80.800 usec
DE 6.50 usec
TE 297.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300048 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)-4-(2-methylphenyl)but-2-enoate (1j)

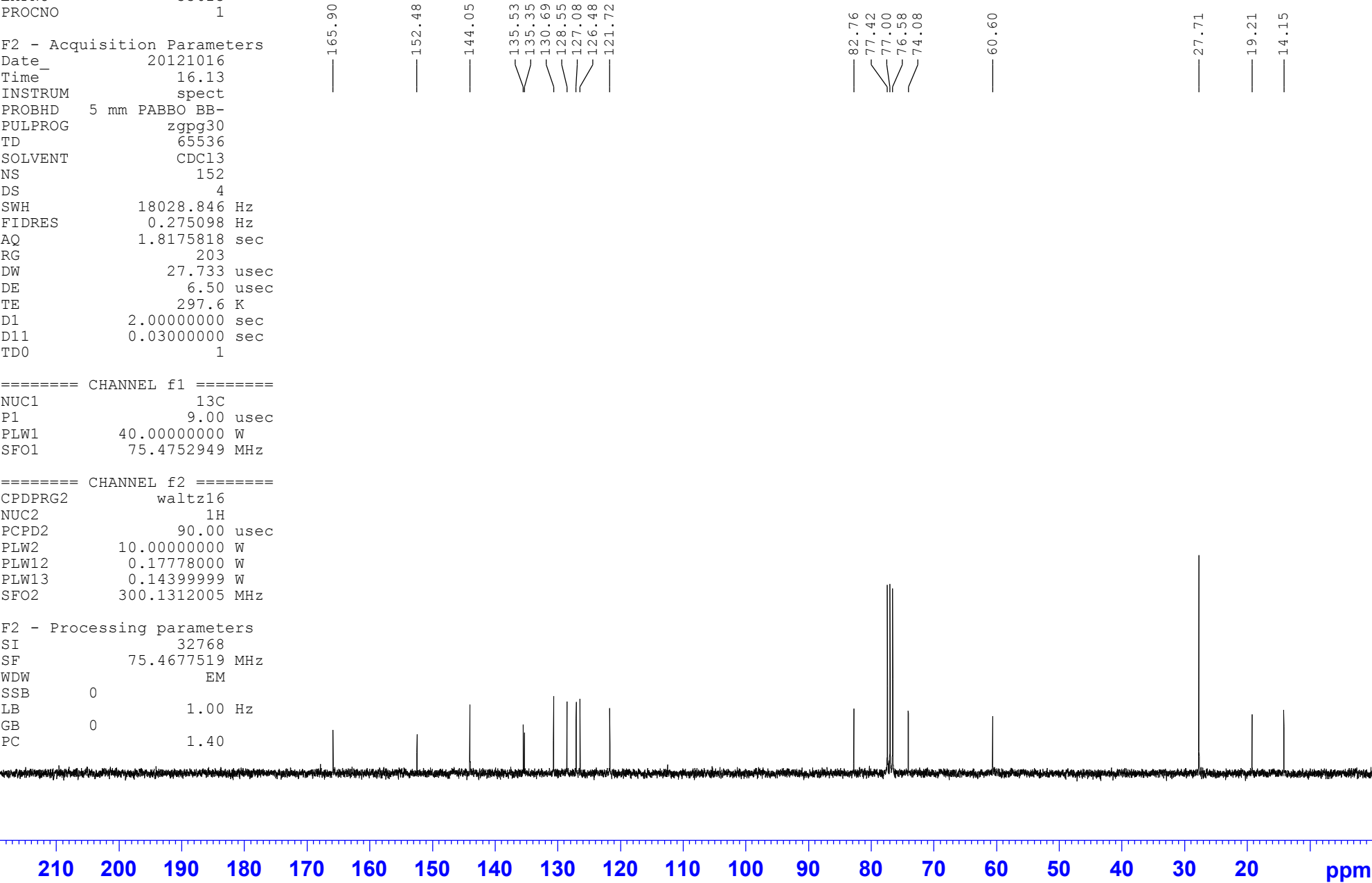
Current Data Parameters
NAME LJHC
EXPNO 33613
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121016
Time_ 16.13
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 152
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677519 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



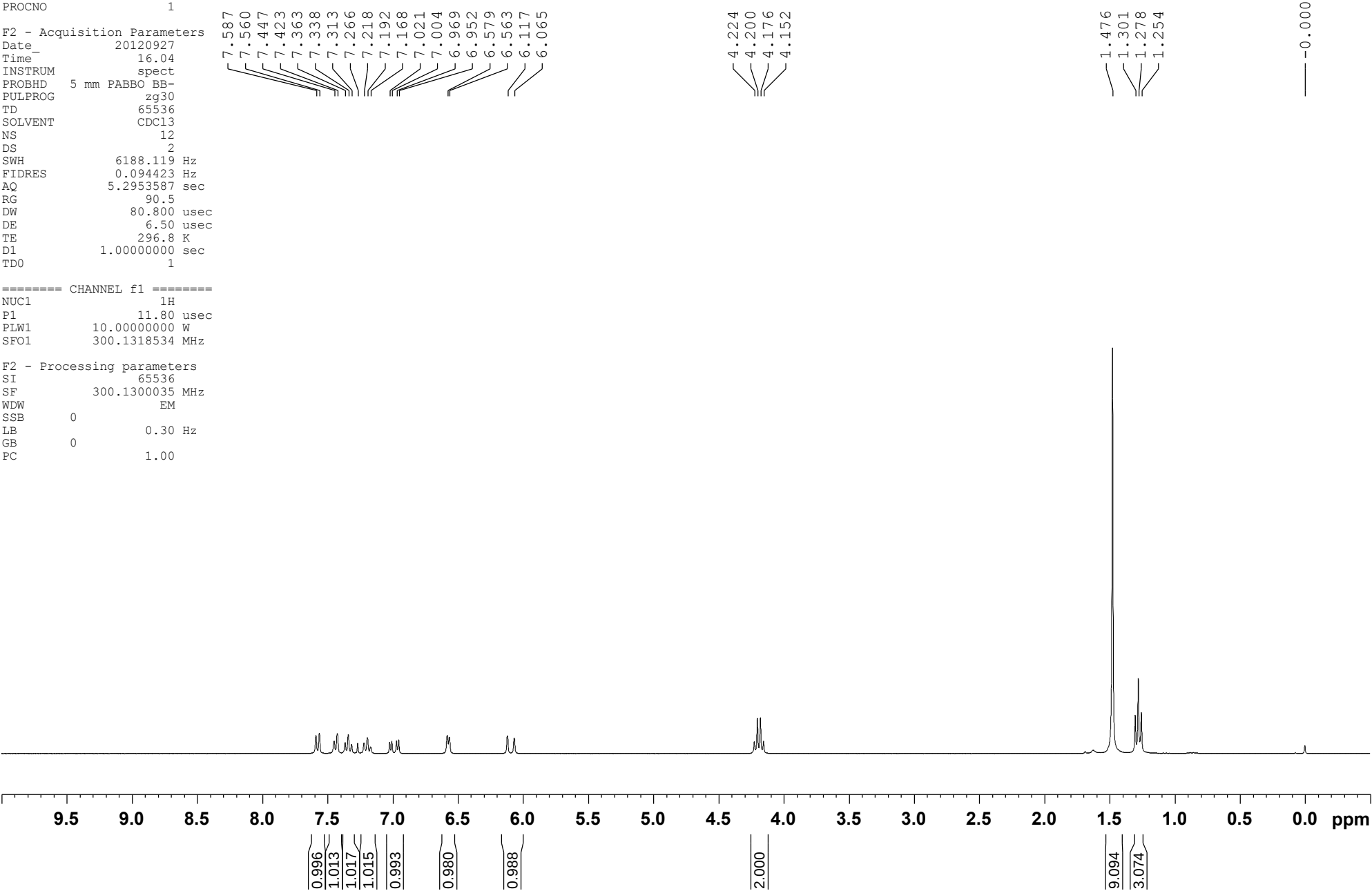
¹H NMR (E)-Ethyl 4-(2-Bromophenyl)-4-(tert-butoxycarbonyloxy)but-2-enoate (1k)

Current Data Parameters
NAME LJH
EXPNO 32201
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120927
Time 16.04
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 90.5
DW 80.800 usec
DE 6.50 usec
TE 296.8 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300035 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(2-Bromophenyl)-4-(tert-butoxycarbonyloxy)but-2-enoate (1k)

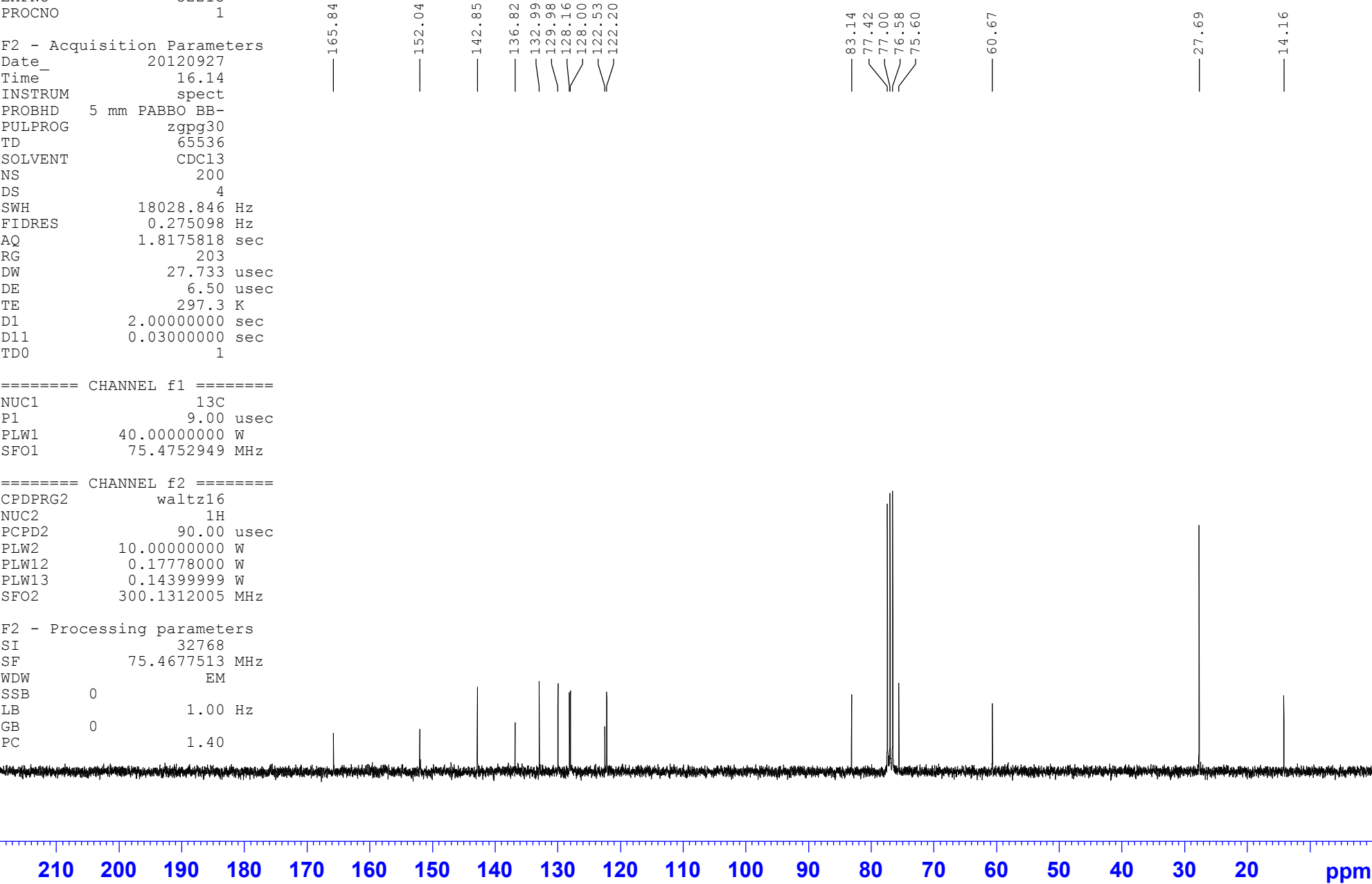
Current Data Parameters
NAME LJHC
EXPNO 32213
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120927
Time_ 16.14
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 200
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.3 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677513 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



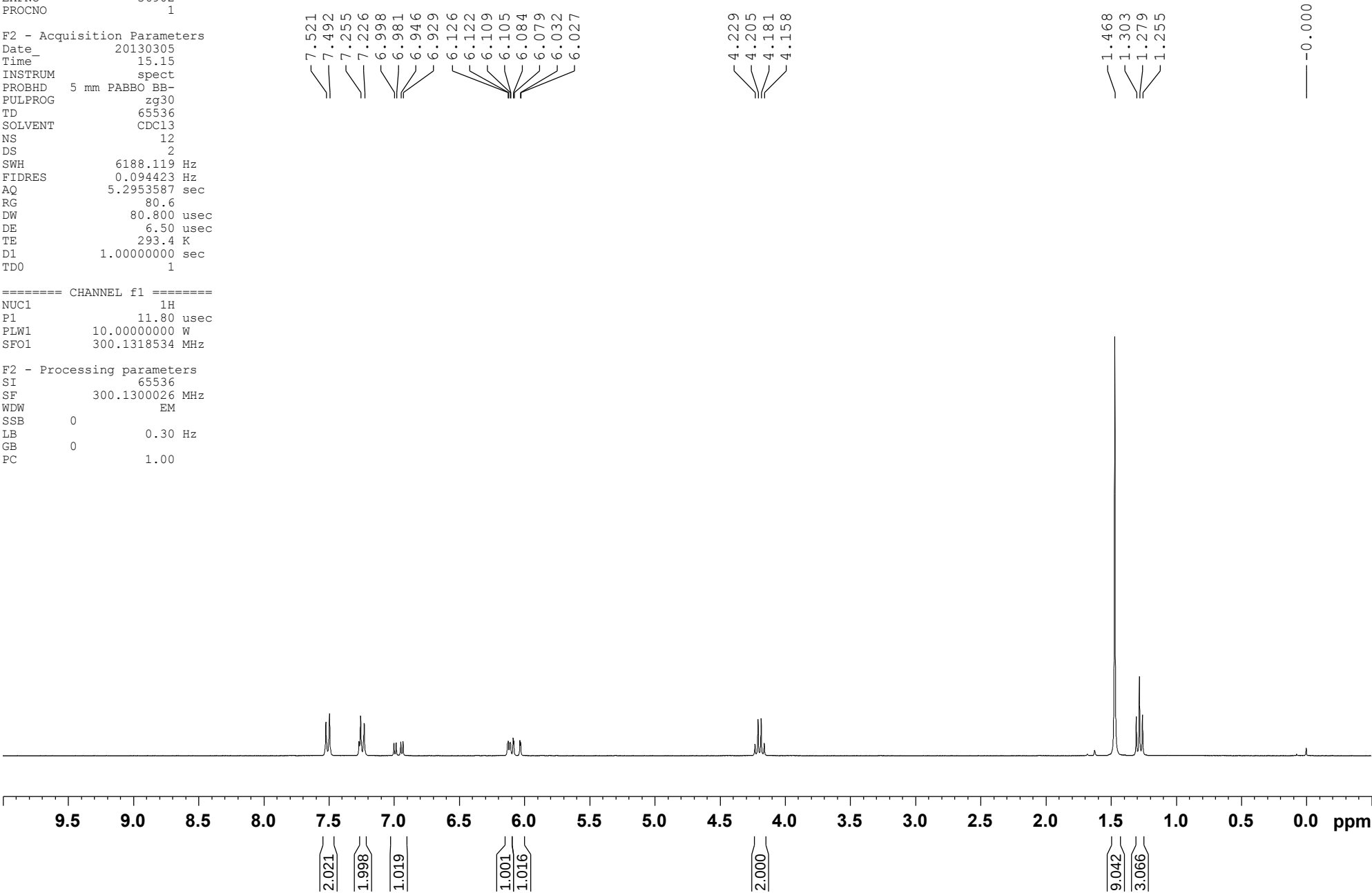
¹H NMR (E)-Ethyl 4-(4-Bromophenyl)-4-(tert-butoxycarbonyloxy)but-2-enoate (1l)

Current Data Parameters
NAME LJHC
EXPNO 36902
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130305
Time 15.15
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 80.6
DW 80.800 usec
DE 6.50 usec
TE 293.4 K
D1 1.00000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300026 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(4-Bromophenyl)-4-(tert-butoxycarbonyloxy)but-2-enoate (11)

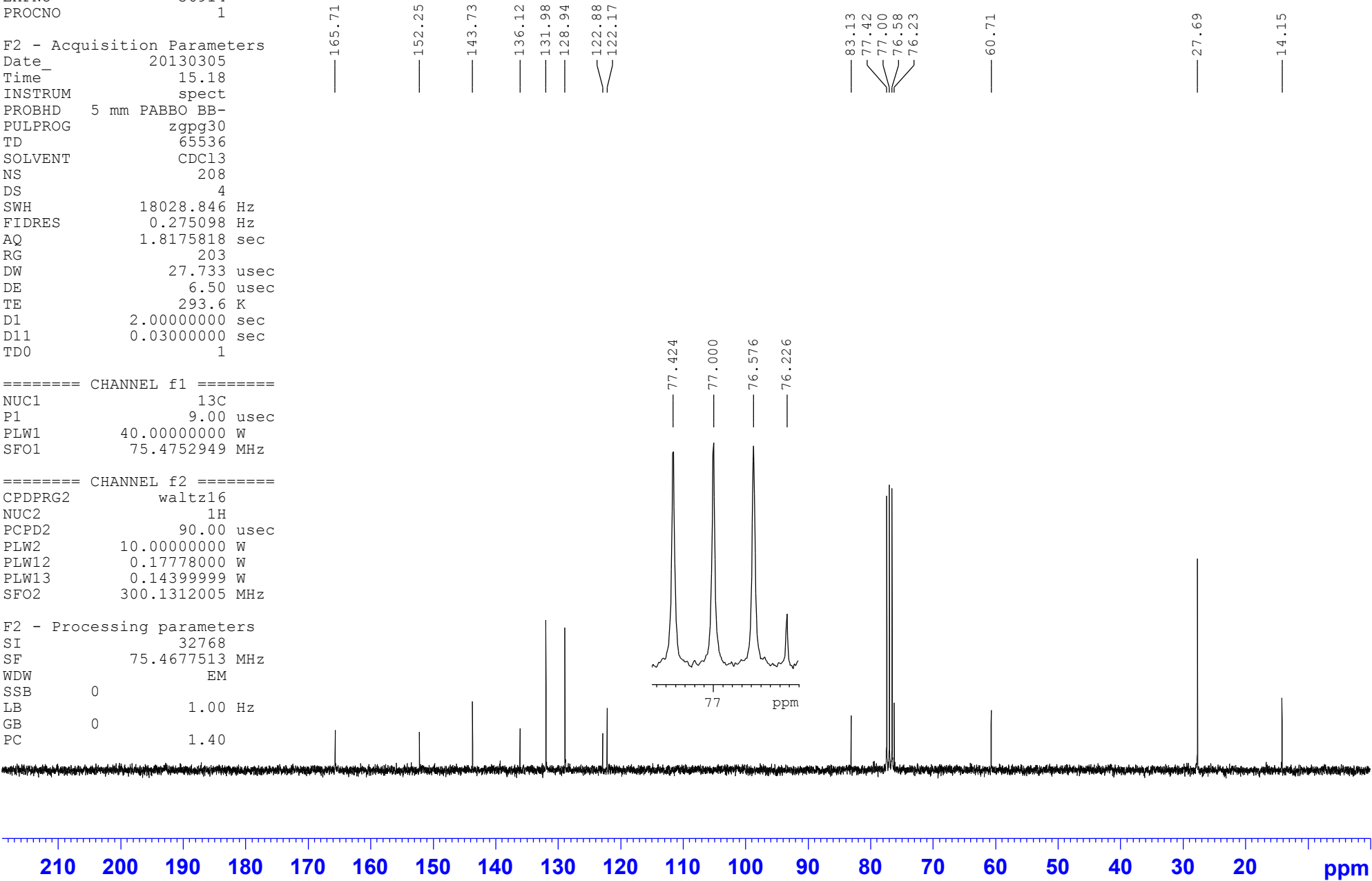
Current Data Parameters
NAME LJHC
EXPNO 36914
PROCNO 1

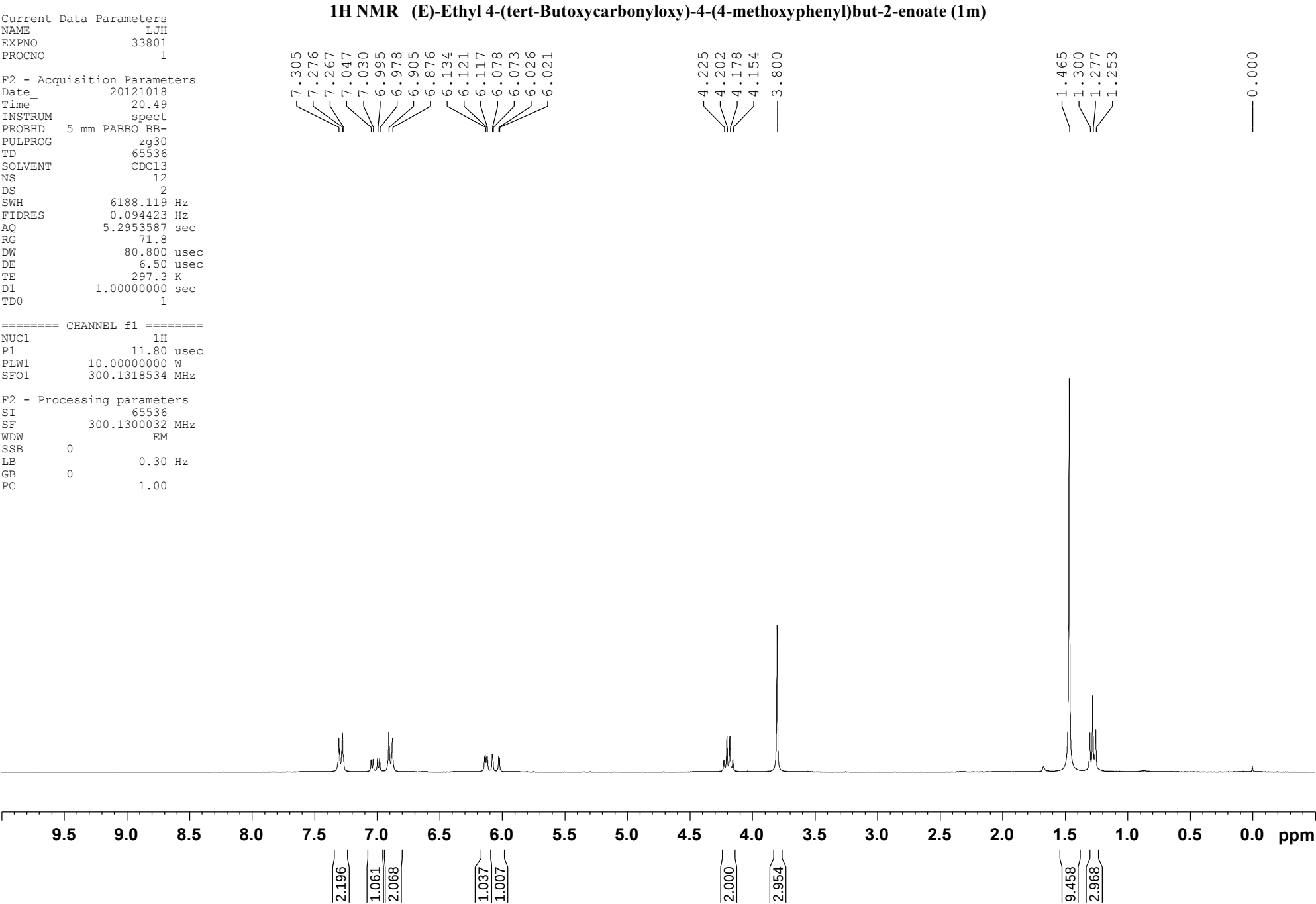
F2 - Acquisition Parameters
Date_ 20130305
Time_ 15.18
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 208
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 293.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677513 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





¹³C NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)-4-(4-methoxyphenyl)but-2-enoate (1m)

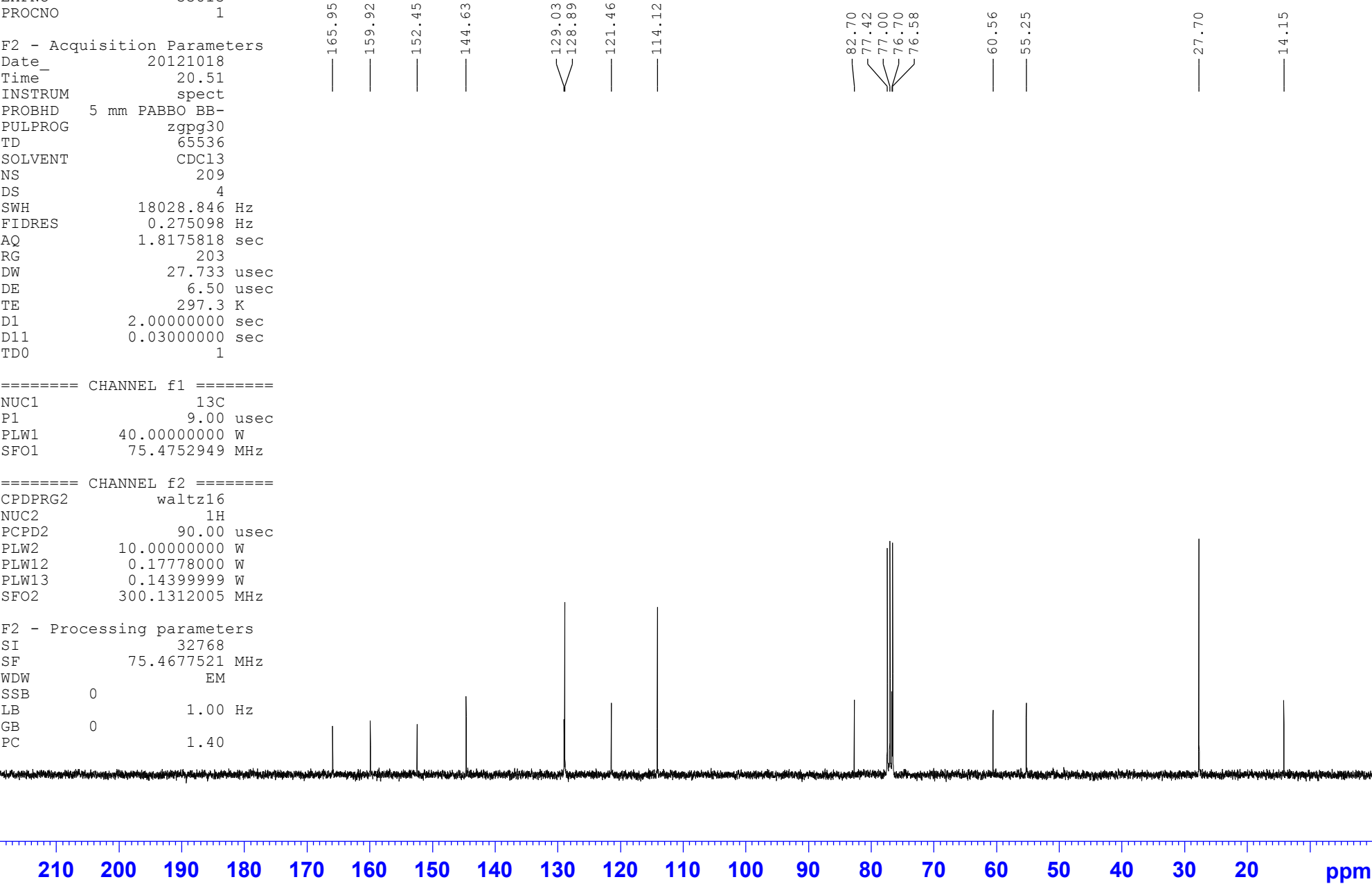
Current Data Parameters
NAME LJHC
EXPNO 33813
PROCNO 1

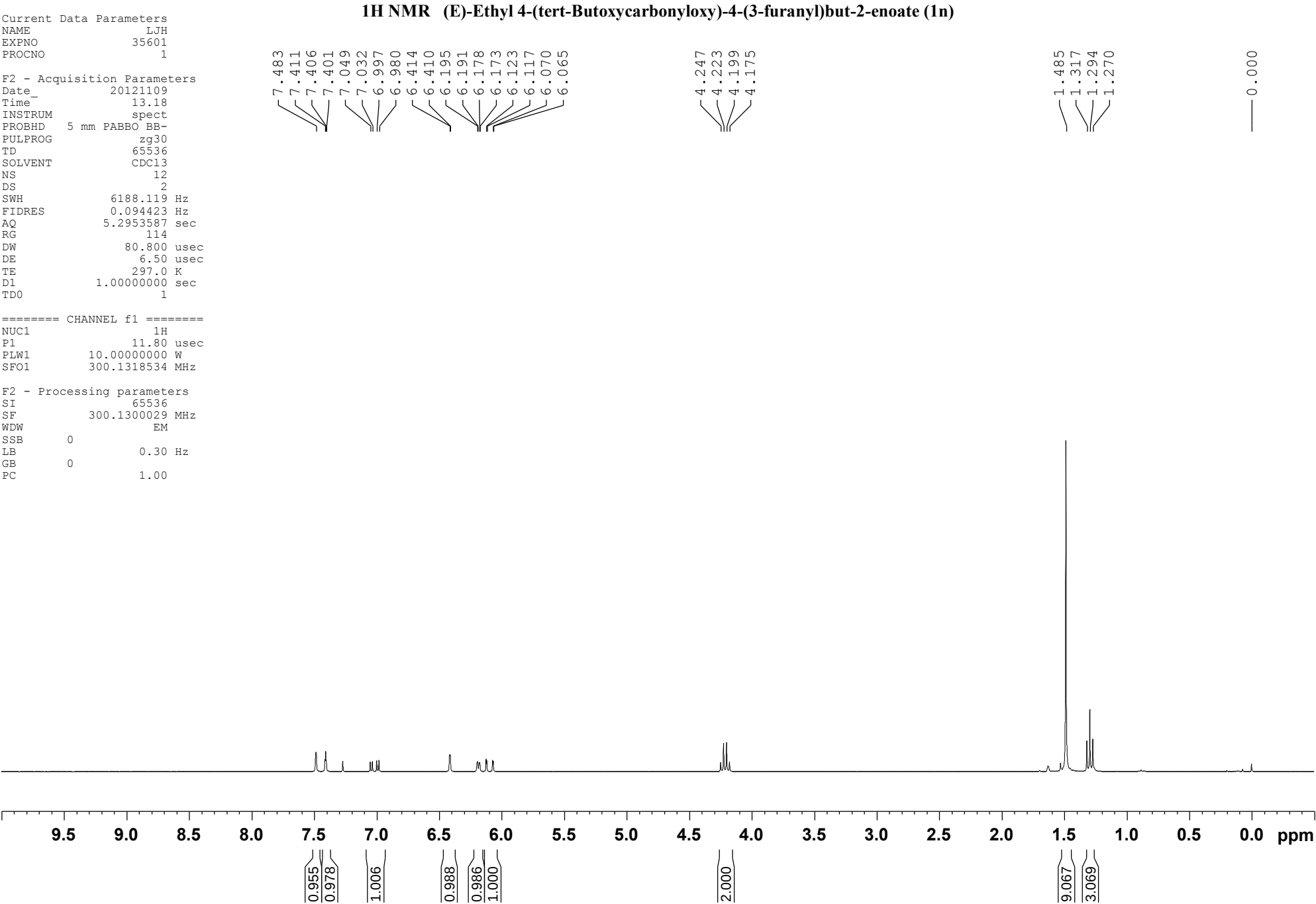
F2 - Acquisition Parameters
Date_ 20121018
Time_ 20.51
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 209
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.3 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677521 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





¹³C NMR (E)-Ethyl 4-(tert-Butoxycarbonyloxy)-4-(3-furanyl)but-2-enoate (1n)

Current Data Parameters

NAME LJH
EXPNO 35613
PROCNO 1

F2 - Acquisition Parameters

Date_ 20121109
Time 13.23
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 184
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

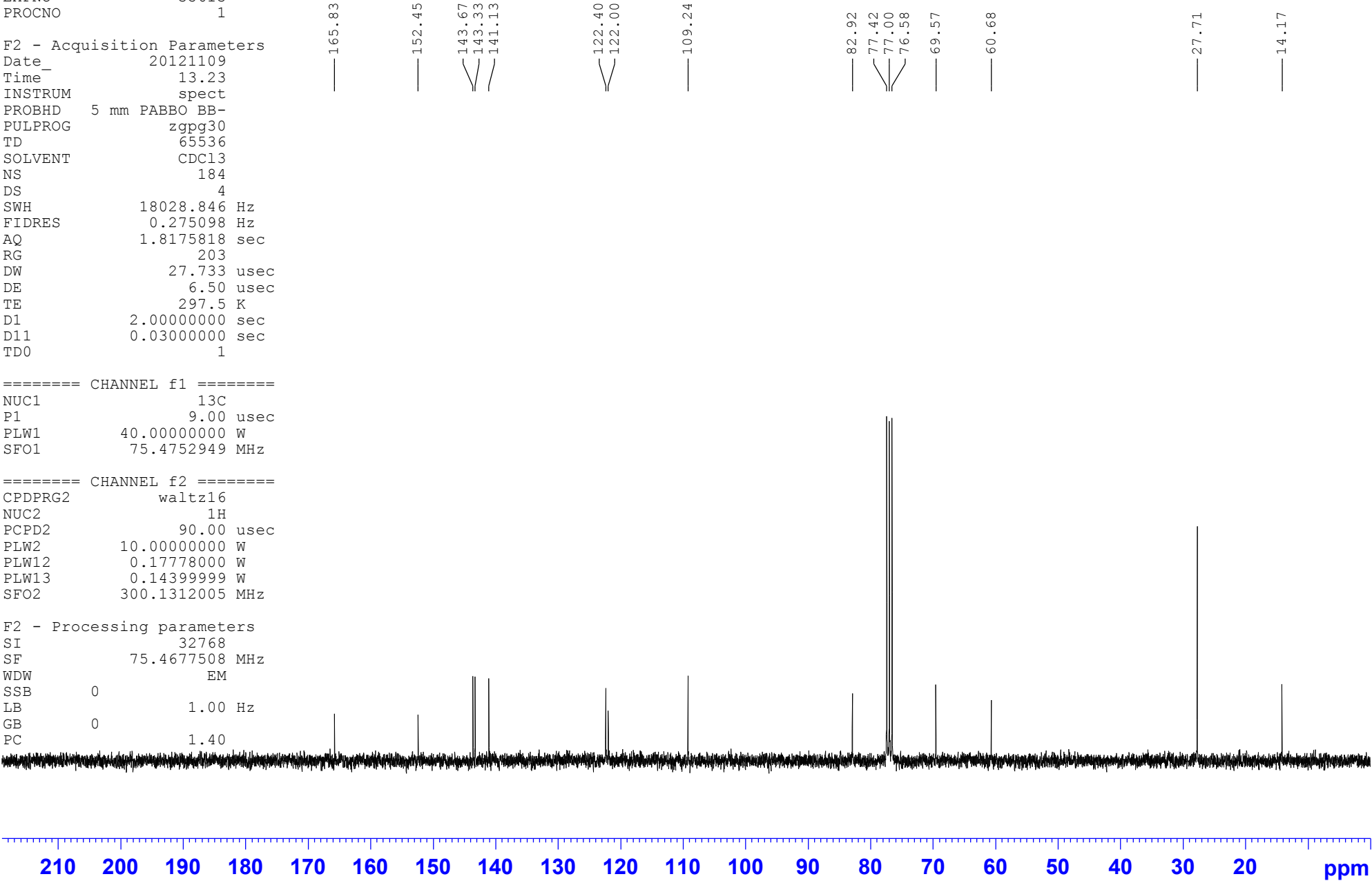
NUC1 ¹³C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 ¹H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677508 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



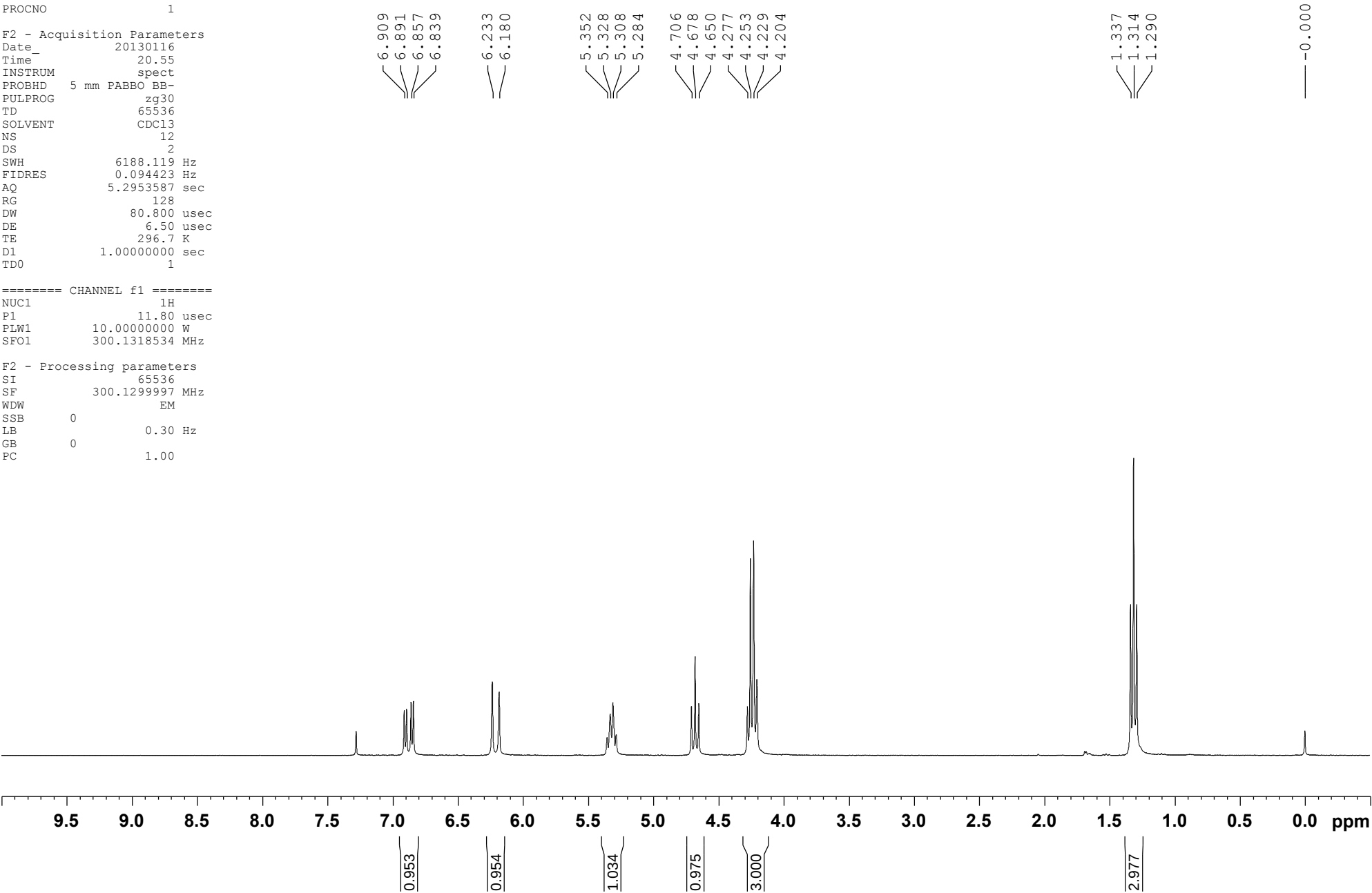
¹H NMR (E)-Ethyl 3-(2-Oxo-1,3-dioxolan-4-yl)acrylate (1o)

Current Data Parameters
NAME LJH
EXPNO 312203
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130116
Time 20.55
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 128
DW 80.800 usec
DE 6.50 usec
TE 296.7 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1299997 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹H NMR (E)-Ethyl 3-(2-Oxo-1,3-dioxolan-4-yl)acrylate (1o)

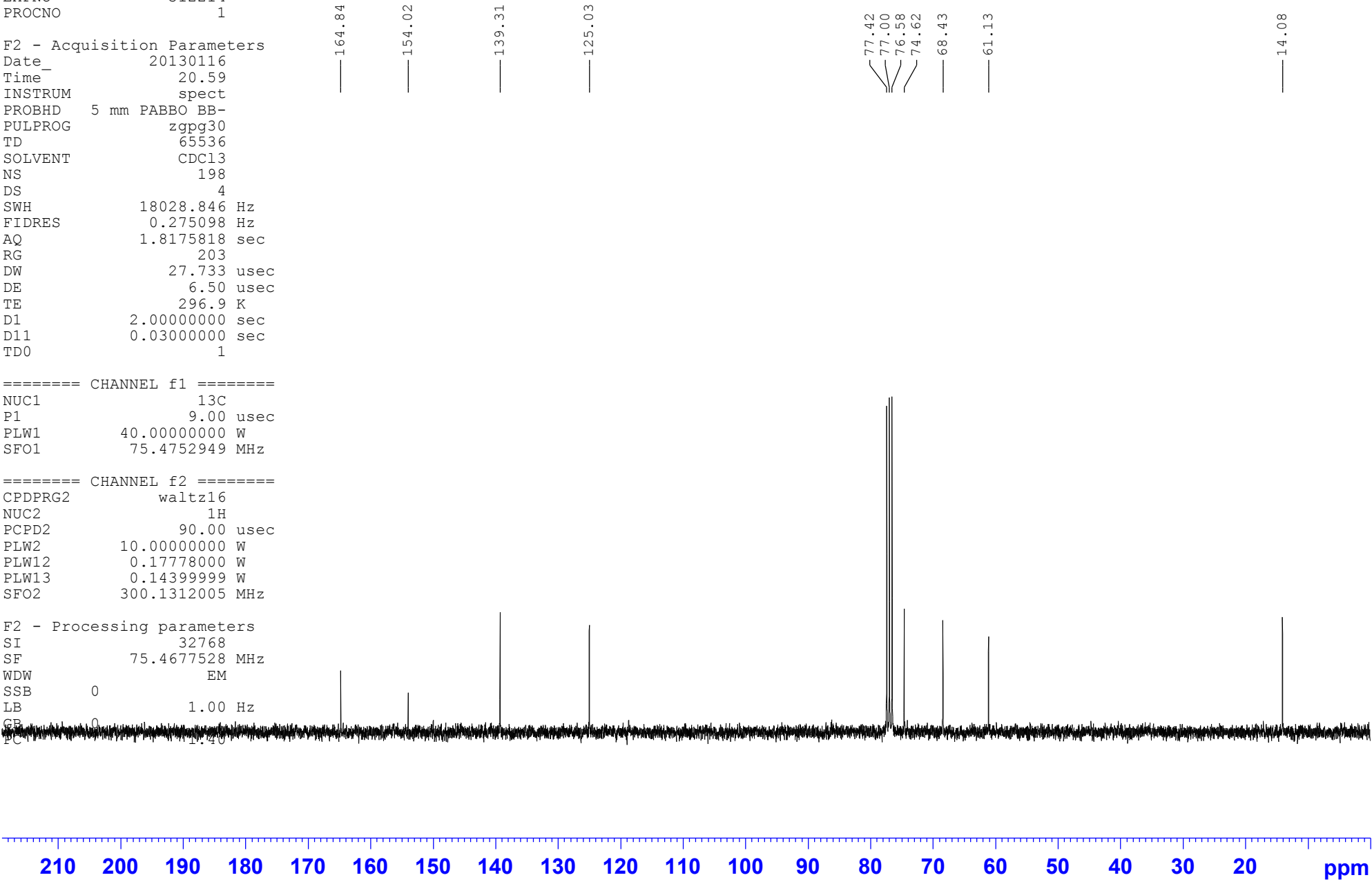
Current Data Parameters
NAME LJHC
EXPNO 312214
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130116
Time_ 20.59
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 198
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 296.9 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677528 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



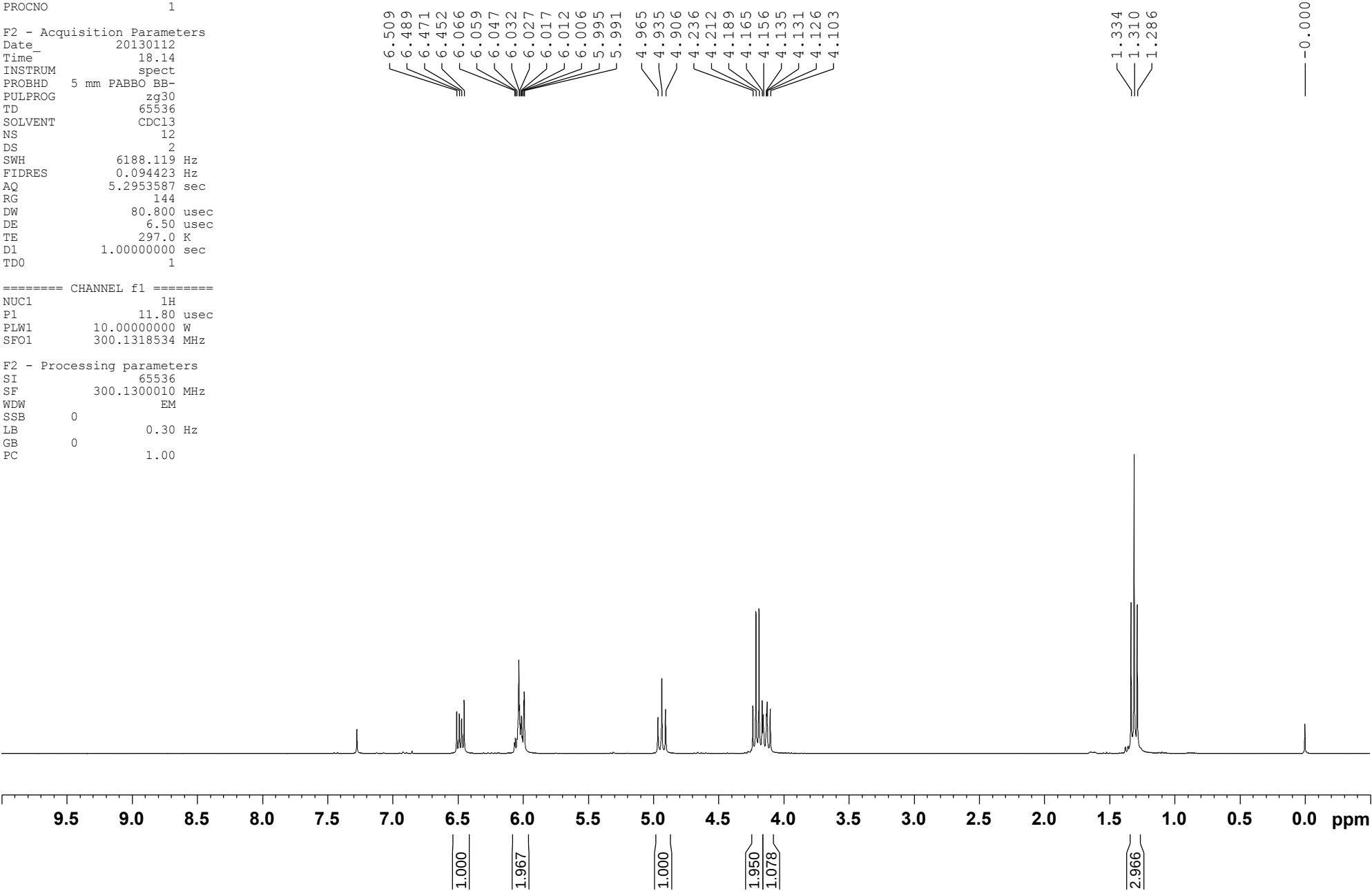
¹H NMR (Z)-Ethyl 3-(2-Oxo-1,3-dioxolan-4-yl)acrylate (cis-cyclic carbonate)

Current Data Parameters
NAME LJHC
EXPNO 312201
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130112
Time 18.14
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 144
DW 80.800 usec
DE 6.50 usec
TE 297.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300010 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (Z)-Ethyl 3-(2-Oxo-1,3-dioxolan-4-yl)acrylate (cis-cyclic carbonate)

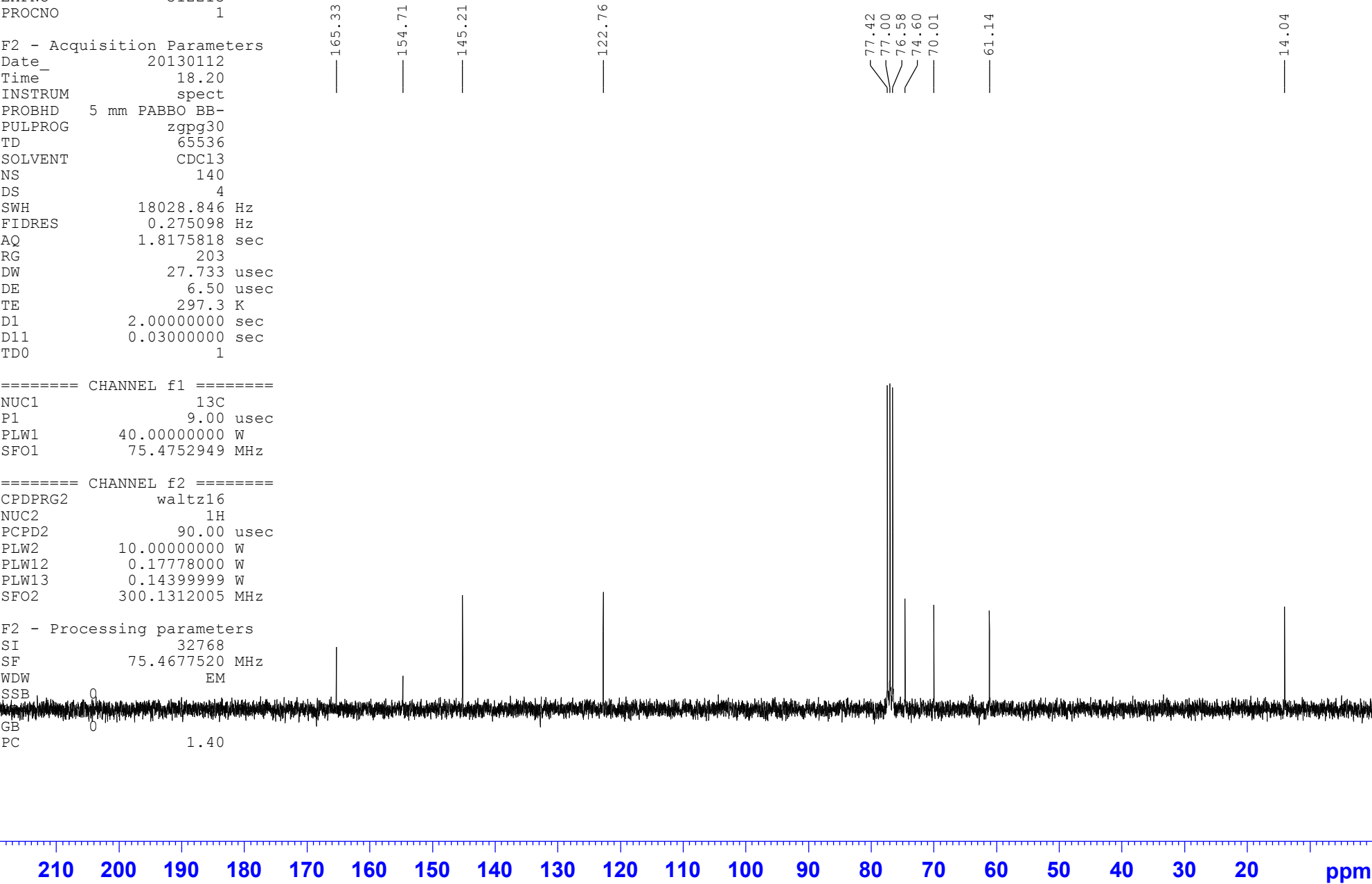
Current Data Parameters
NAME LJH
EXPNO 312213
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130112
Time_ 18.20
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 140
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.3 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677520 MHz
WDW EM
SSB 0
GB 0
PC 1.40



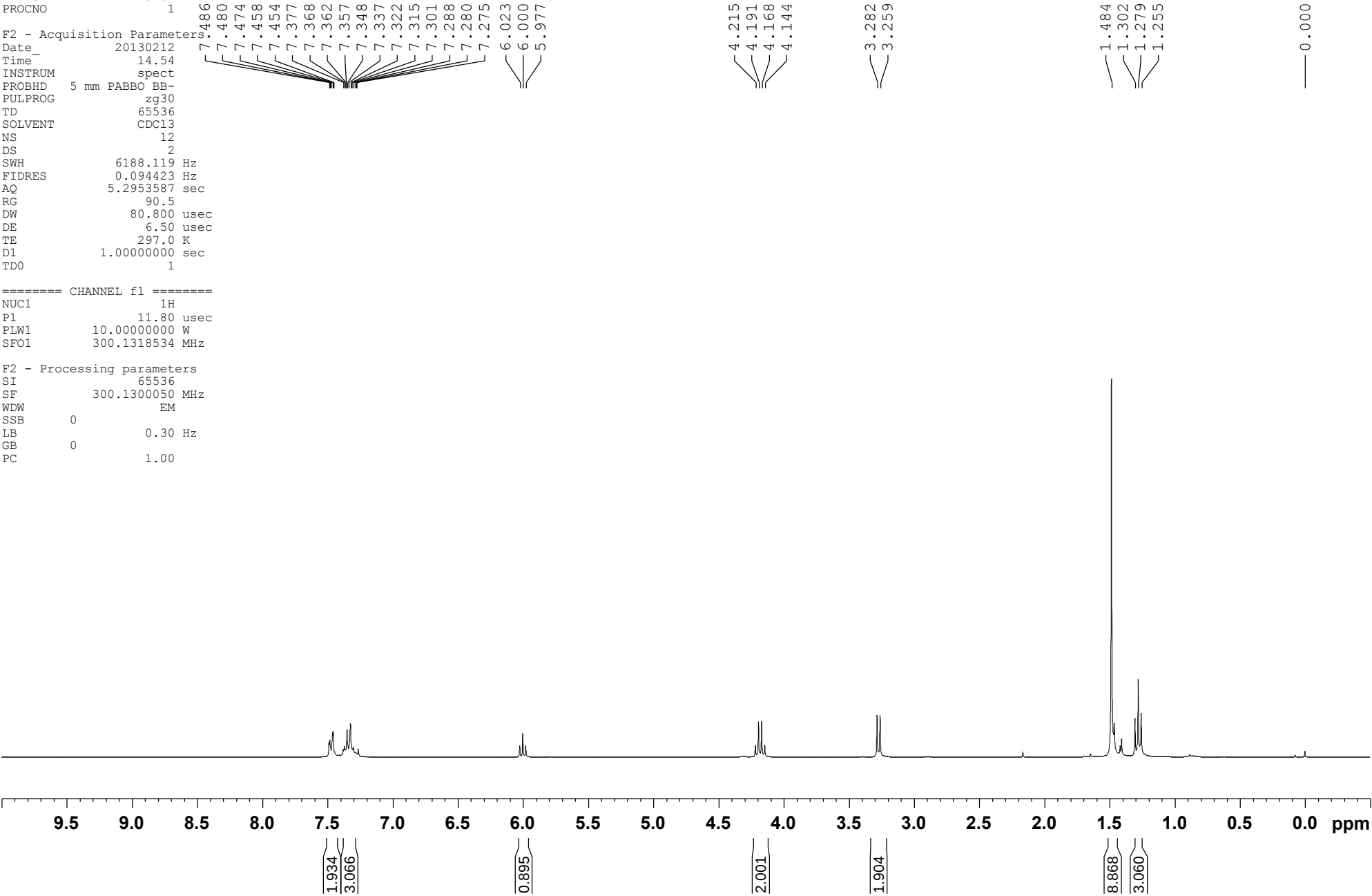
¹H NMR (Z)-Ethyl 4-(tert-Butoxycarbonyloxy)-4-phenylbut-3-enoate [(Z)-4]

Current Data Parameters
NAME LJH
EXPNO 29404
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130212
Time 14.54
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 90.5
DW 80.800 usec
DE 6.50 usec
TE 297.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300050 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



13C NMR (Z)-Ethyl 4-(tert-Butoxycarbonyloxy)-4-phenylbut-3-enoate [(Z)-4]

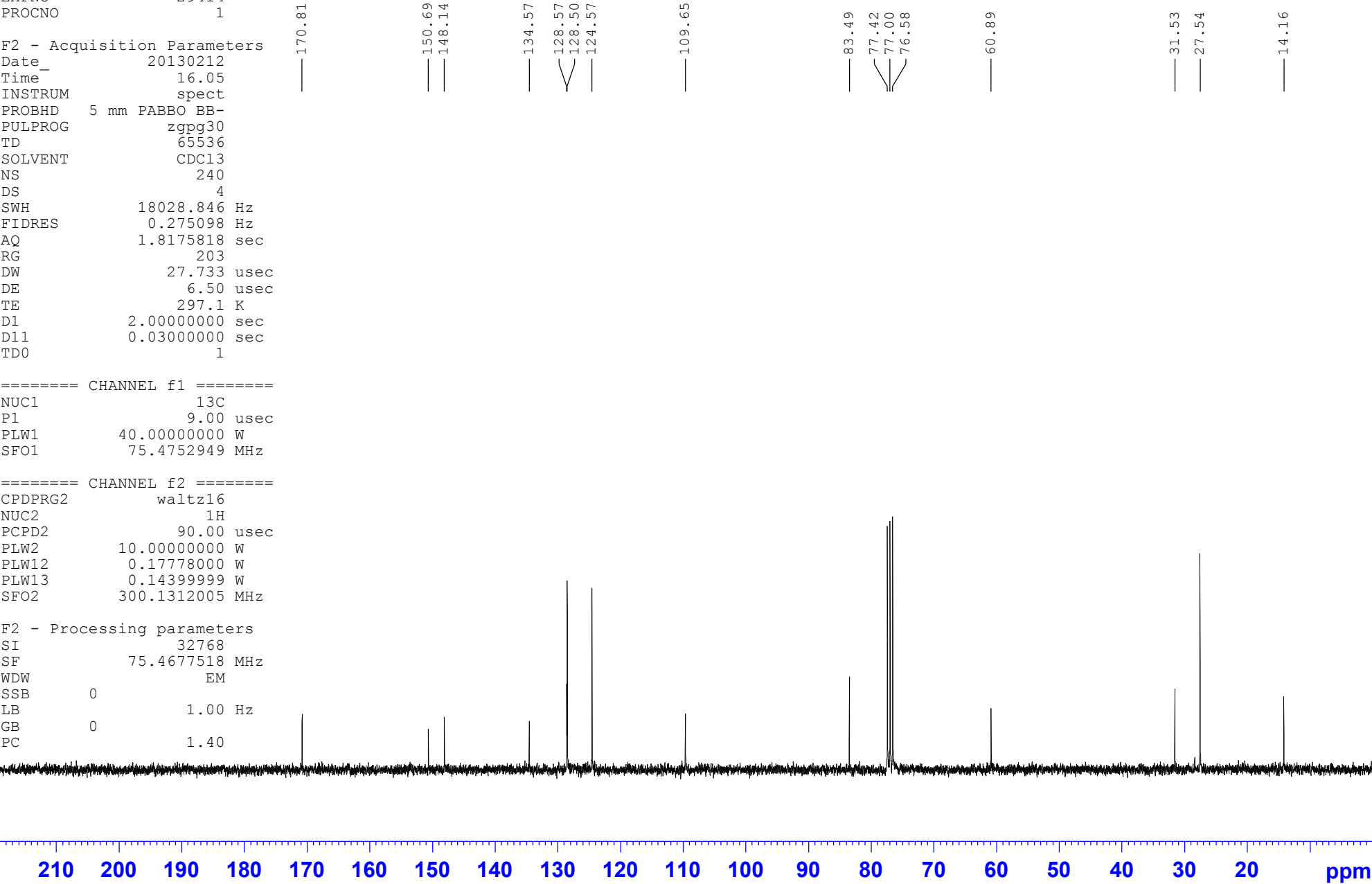
Current Data Parameters
NAME LJH
EXPNO 29414
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130212
Time_ 16.05
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 240
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677518 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



¹H NMR (E)-Ethyl 4-(Benzylamino)-4-phenylbut-2-enoate (2a)

Current Data Parameters
NAME LJH
EXPNO 12002
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120413
Time 17.59
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 80.6
DW 80.800 usec
DE 6.50 usec
TE 296.7 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

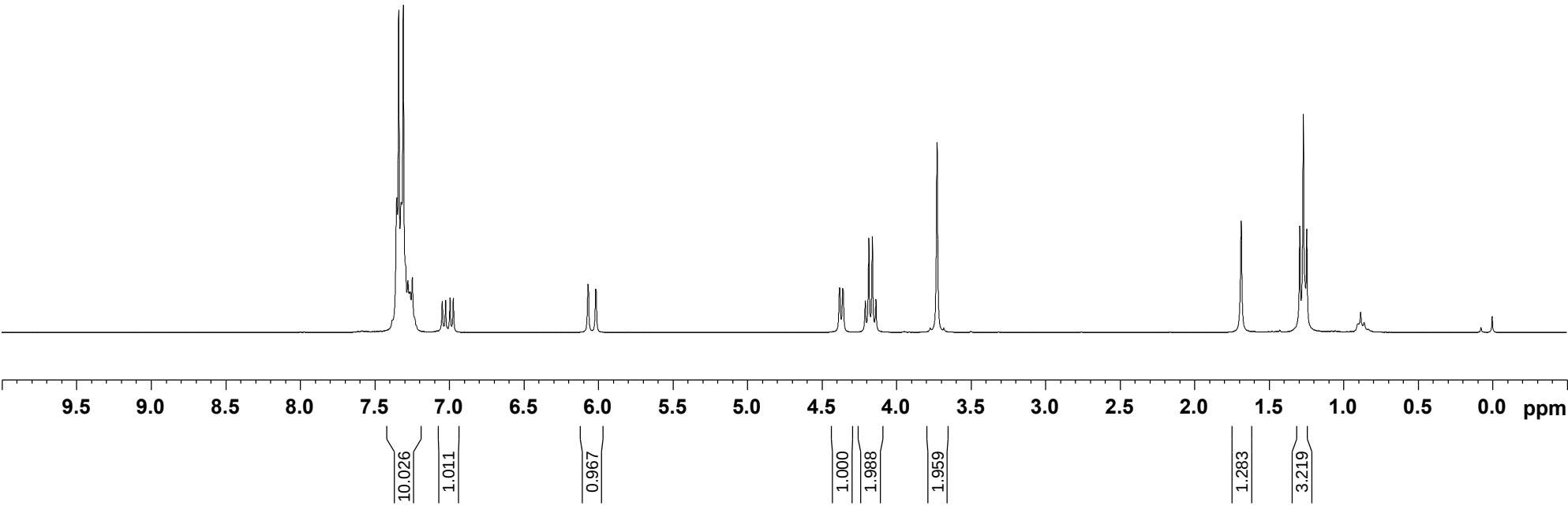
F2 - Processing parameters
SI 65536
SF 300.1300098 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.381
7.351
7.338
7.322
7.319
7.307
7.277
7.268
7.262
7.246
7.046
7.024
6.994
6.971
6.069
6.066
6.016
6.013

4.380
4.358
4.207
4.184
4.160
4.136
3.725

1.685
1.292
1.268
1.244

0.000



¹³C NMR (E)-Ethyl 4-(Benzylamino)-4-phenylbut-2-enoate (2a)

Current Data Parameters

NAME LJH
EXPNO 212013
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130216
Time_ 17.27
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 200
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

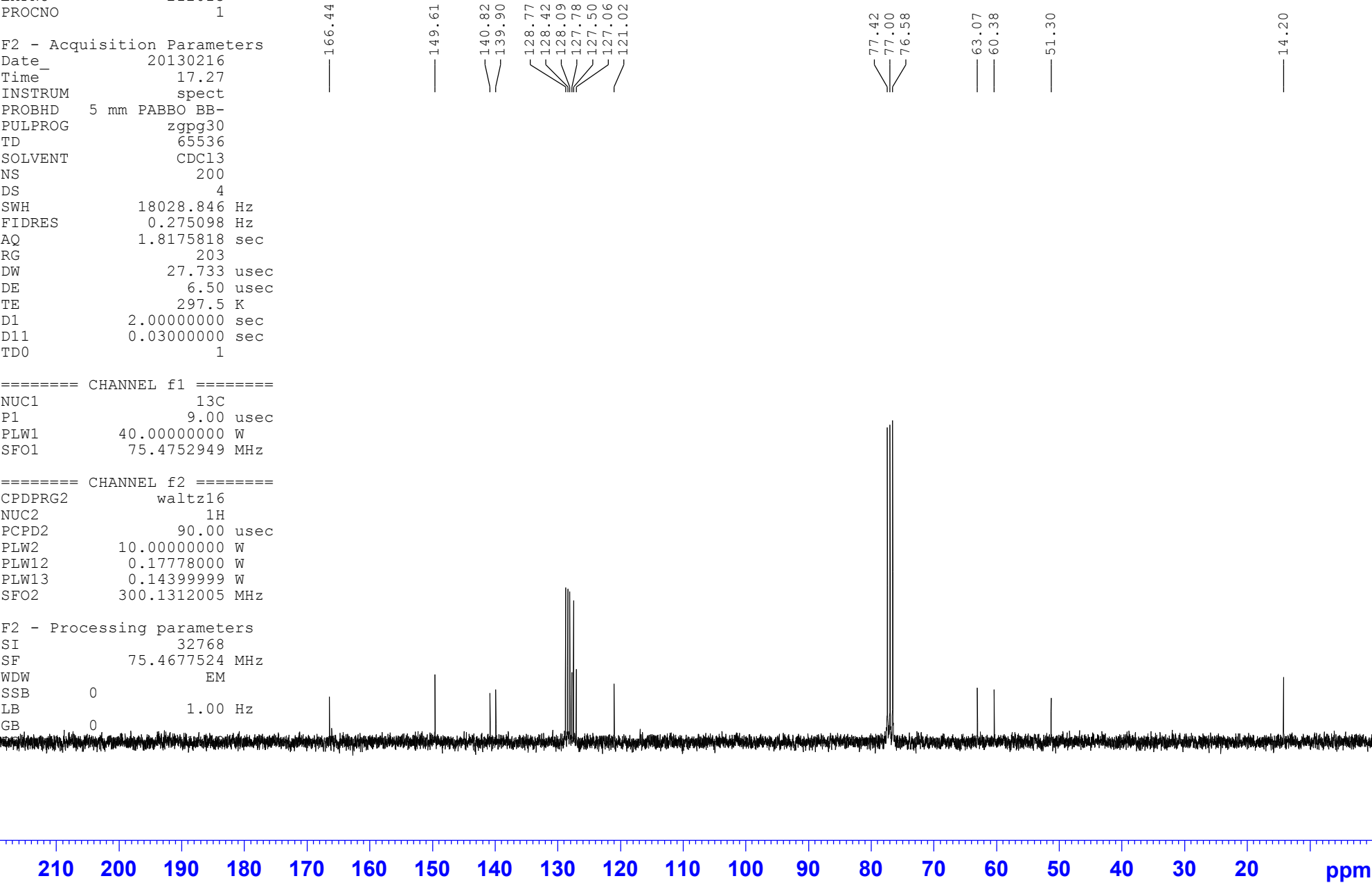
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

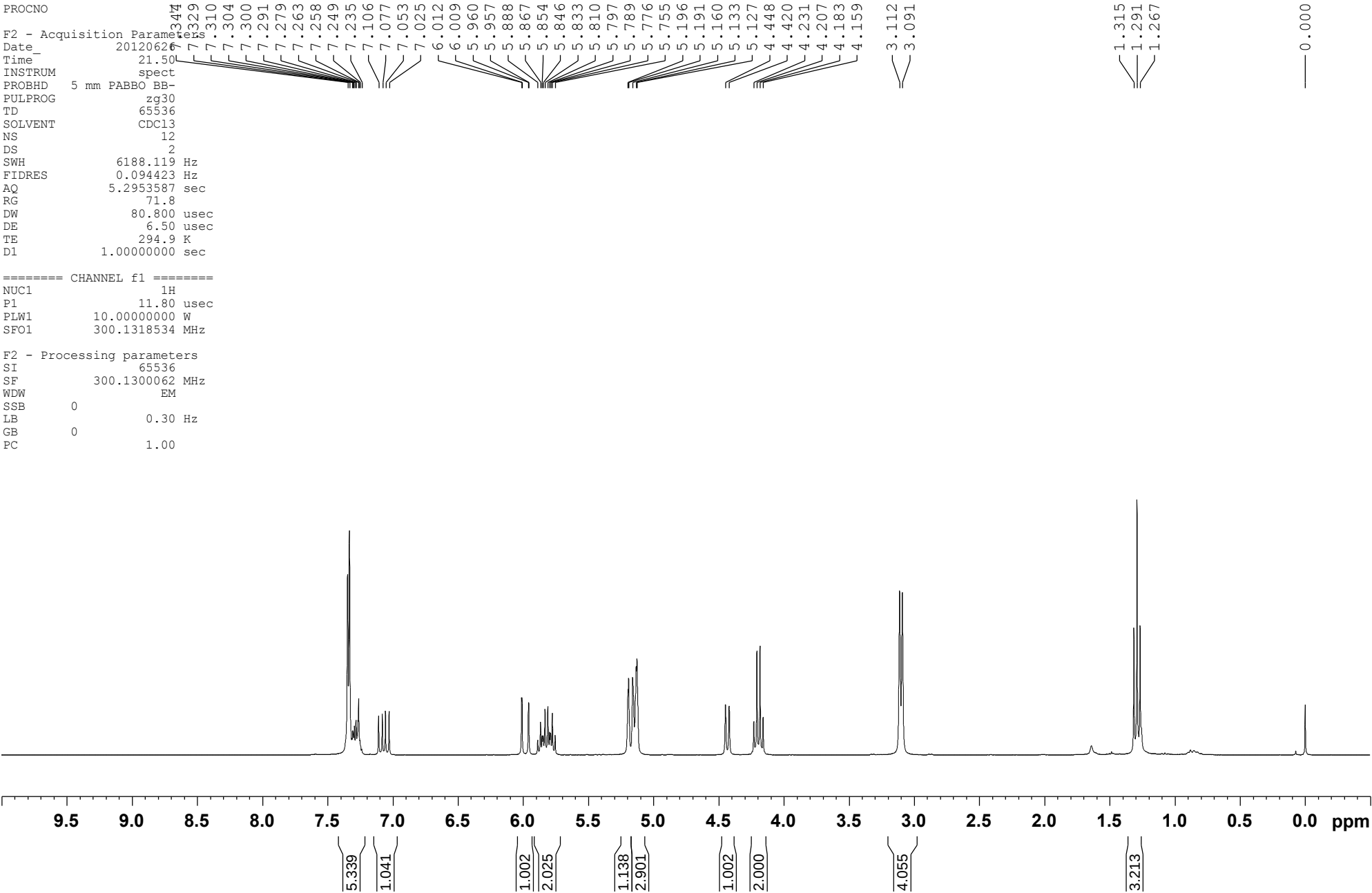
F2 - Processing parameters

SI 32768
SF 75.4677524 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0



¹H NMR (E)-Ethyl 4-(Diallylamino)-4-phenylbut-2-enoate (2b)

Current Data Parameters
NAME LJH
EXPNO 15802
PROCNO 1
F2 - Acquisition Parameters
Date_ 20120626
Time 21.50
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 71.8
DW 80.800 usec
DE 6.50 usec
TE 294.9 K
D1 1.00000000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz
F2 - Processing parameters
SI 65536
SF 300.1300062 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(Diallylamino)-4-phenylbut-2-enoate (2b)

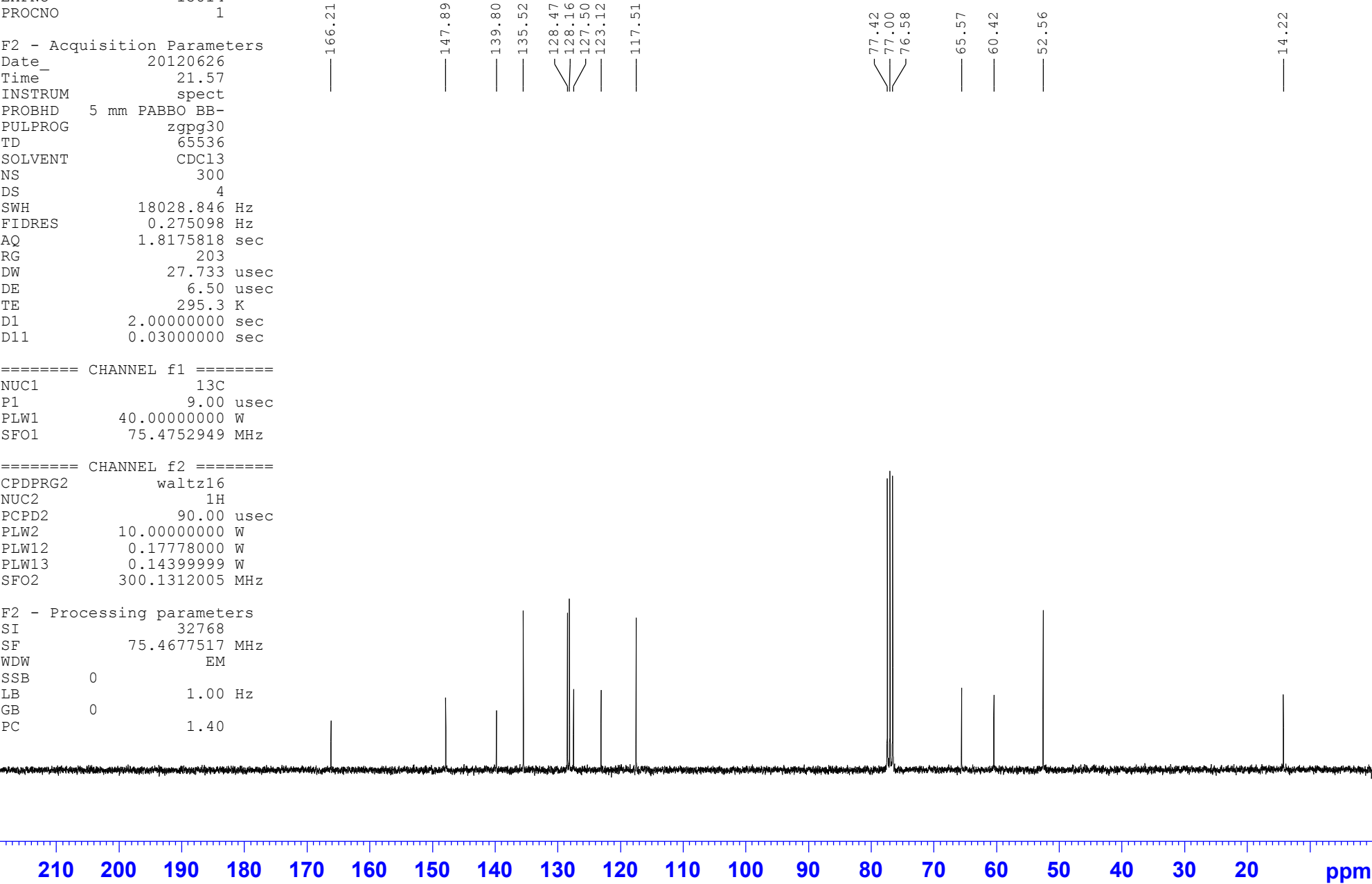
Current Data Parameters
NAME LJH
EXPNO 15814
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120626
Time_ 21.57
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 300
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 295.3 K
D1 2.00000000 sec
D11 0.03000000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677517 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



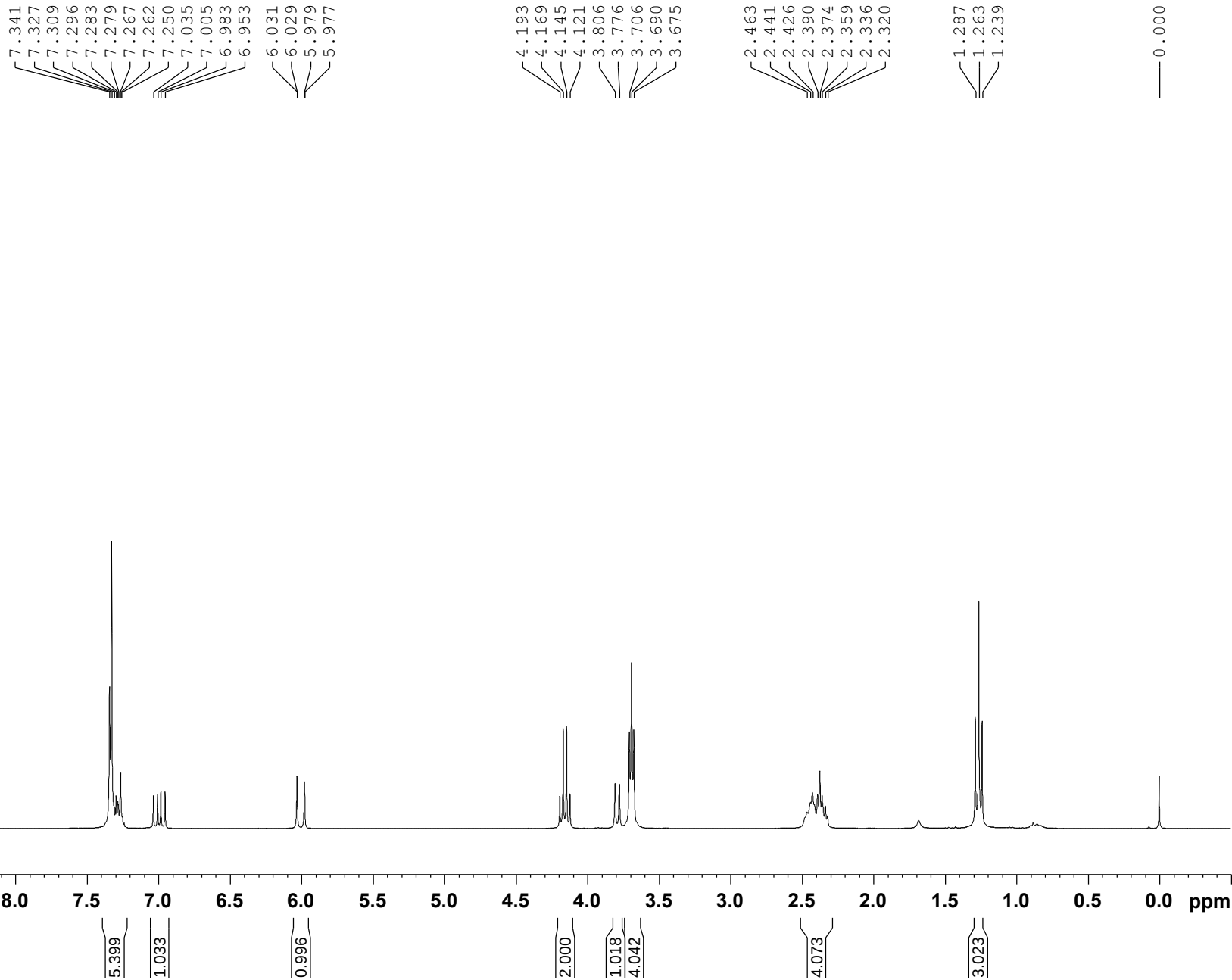
¹H NMR (E)-Ethyl 4-Morpholinyl-4-phenylbut-2-enoate (2c)

Current Data Parameters
NAME LJH
EXPNO 15502
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120621
Time 17.25
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 90.5
DW 80.800 usec
DE 6.50 usec
TE 297.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-Morphorlinyl-4-phenylbut-2-enoate (2c)

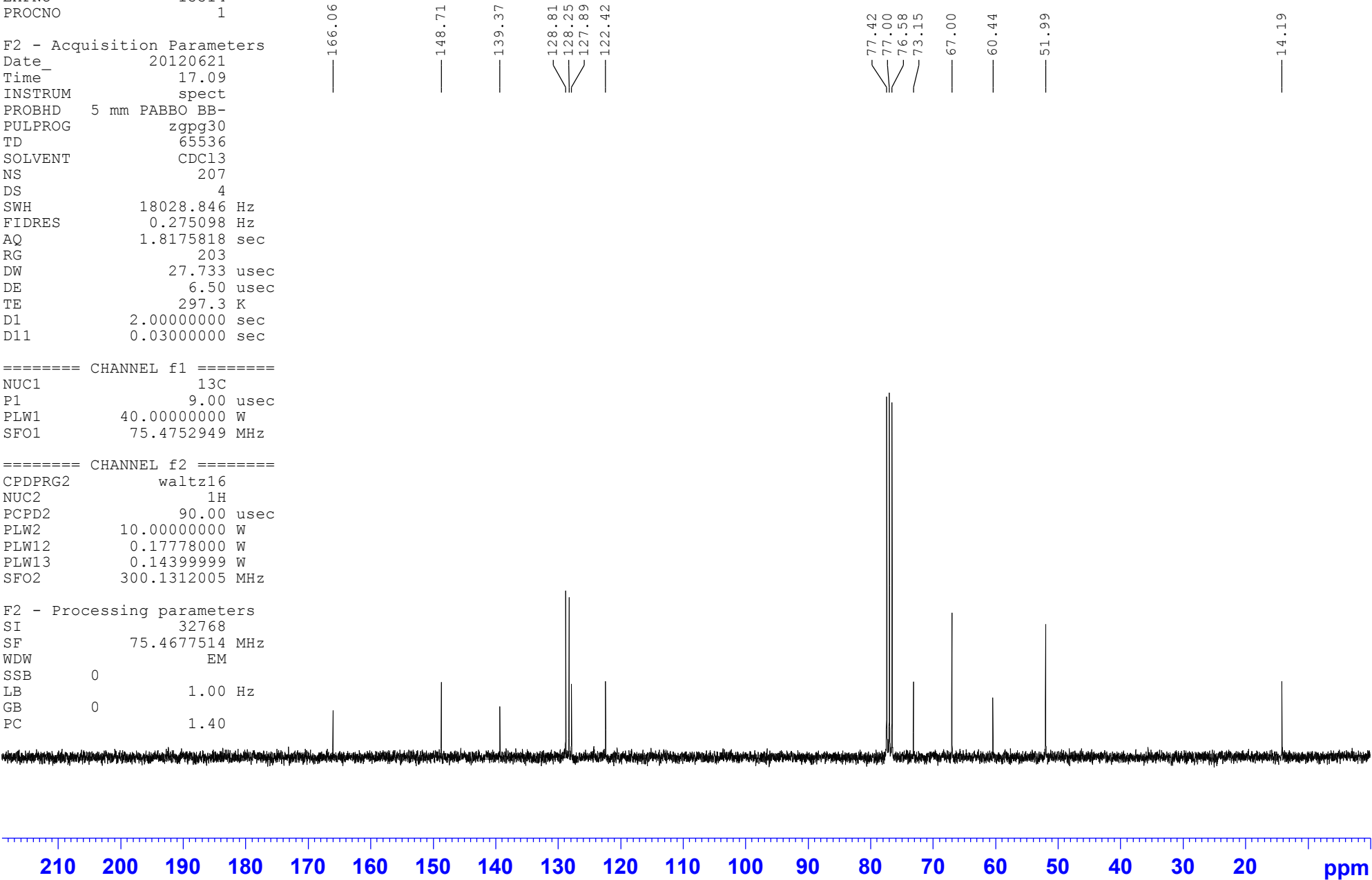
Current Data Parameters
NAME LJH
EXPNO 15514
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120621
Time_ 17.09
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 207
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.3 K
D1 2.00000000 sec
D11 0.03000000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677514 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

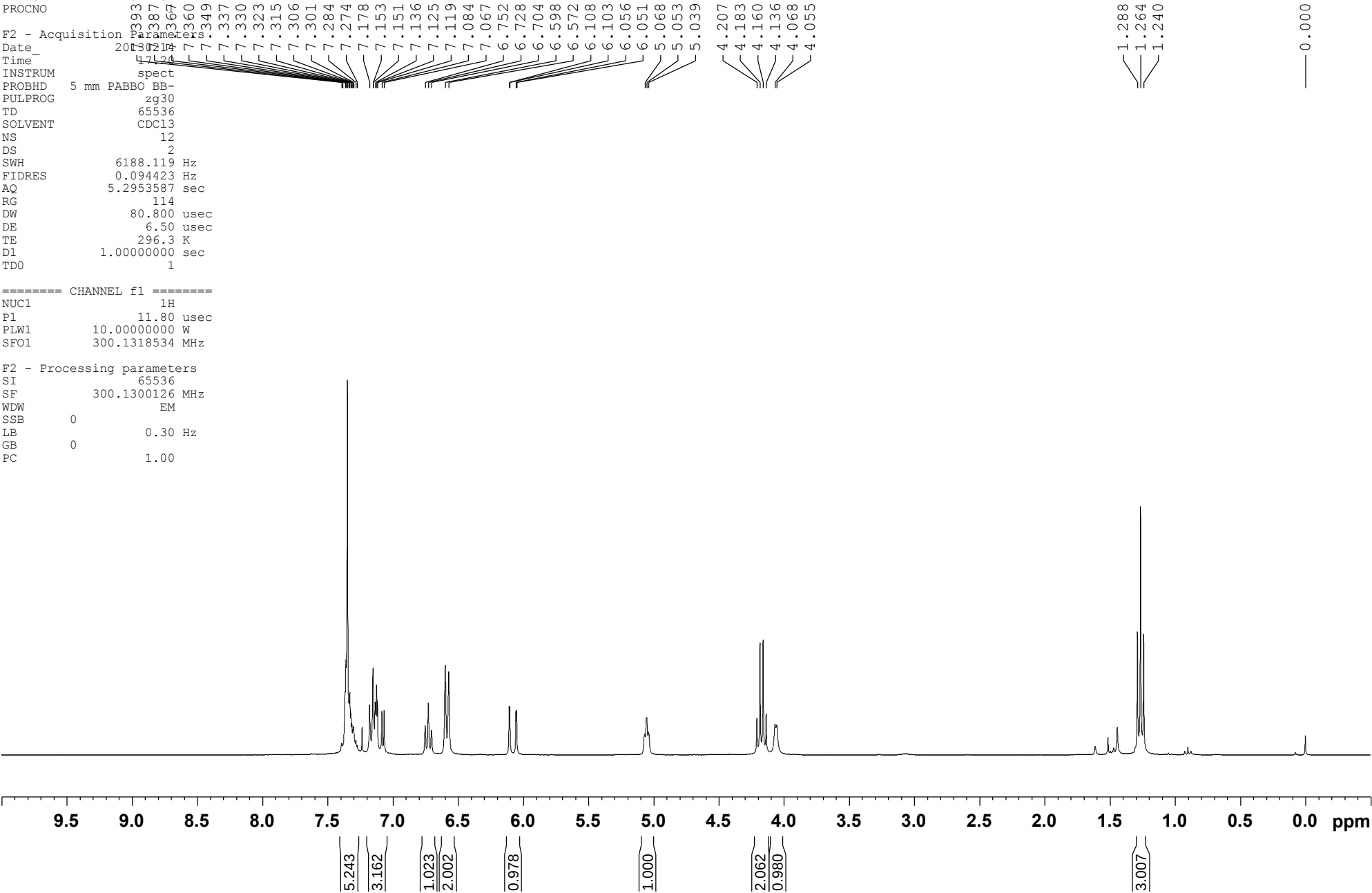


¹H NMR (E)-Ethyl 4-Phenyl-4-(phenylamino)but-2-enoate (2d)

Current Data Parameters
NAME LJH
EXPNO 314101
PROCNO 93
F2 - Acquisition Parameters
Date_ 20130214
Time 17:20
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 114
DW 80.800 usec
DE 6.50 usec
TE 296.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300126 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-Phenyl-4-(phenylamino)but-2-enoate (2d)

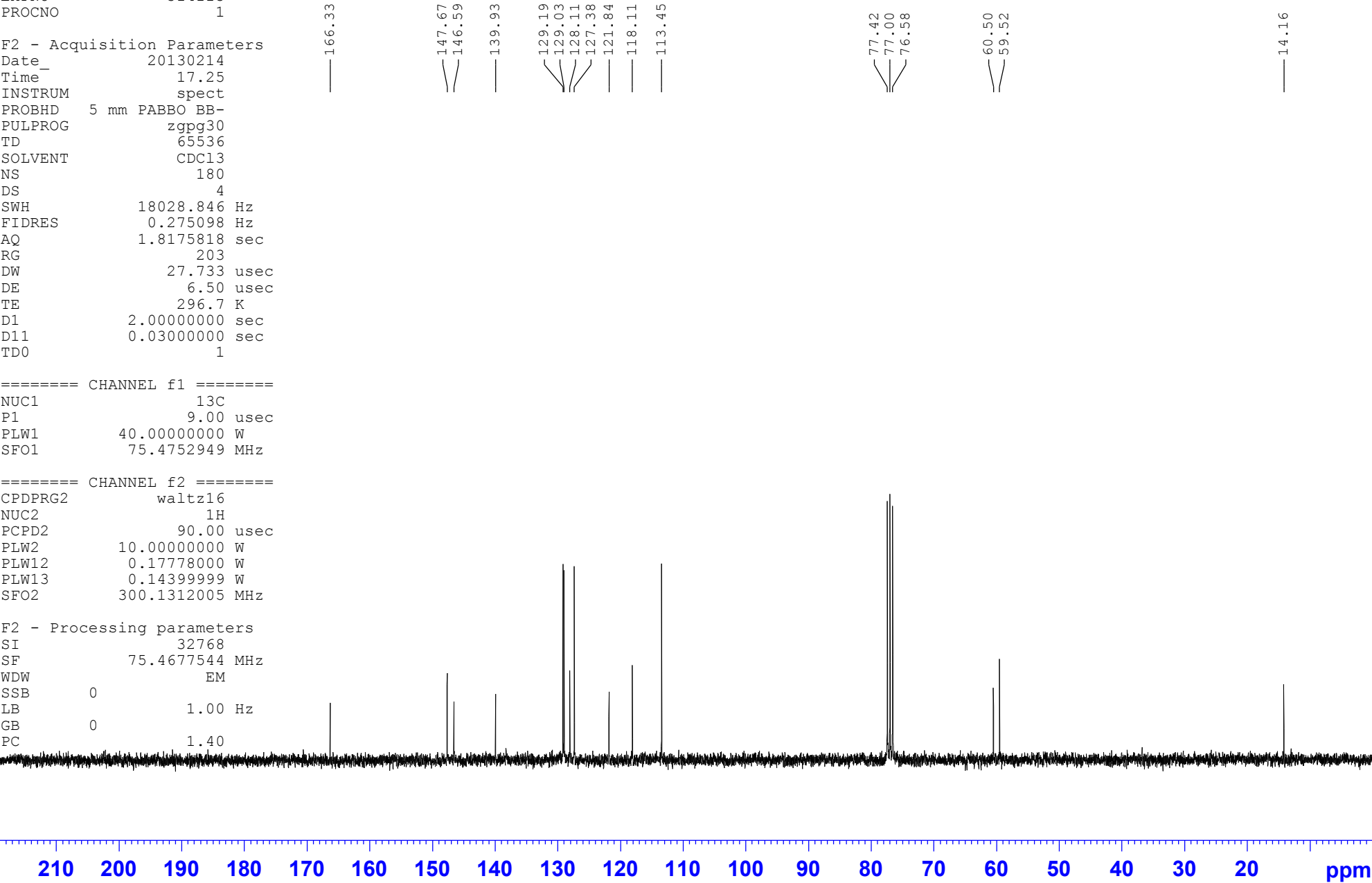
Current Data Parameters
NAME LJH
EXPNO 3141113
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130214
Time_ 17.25
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 180
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 296.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677544 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

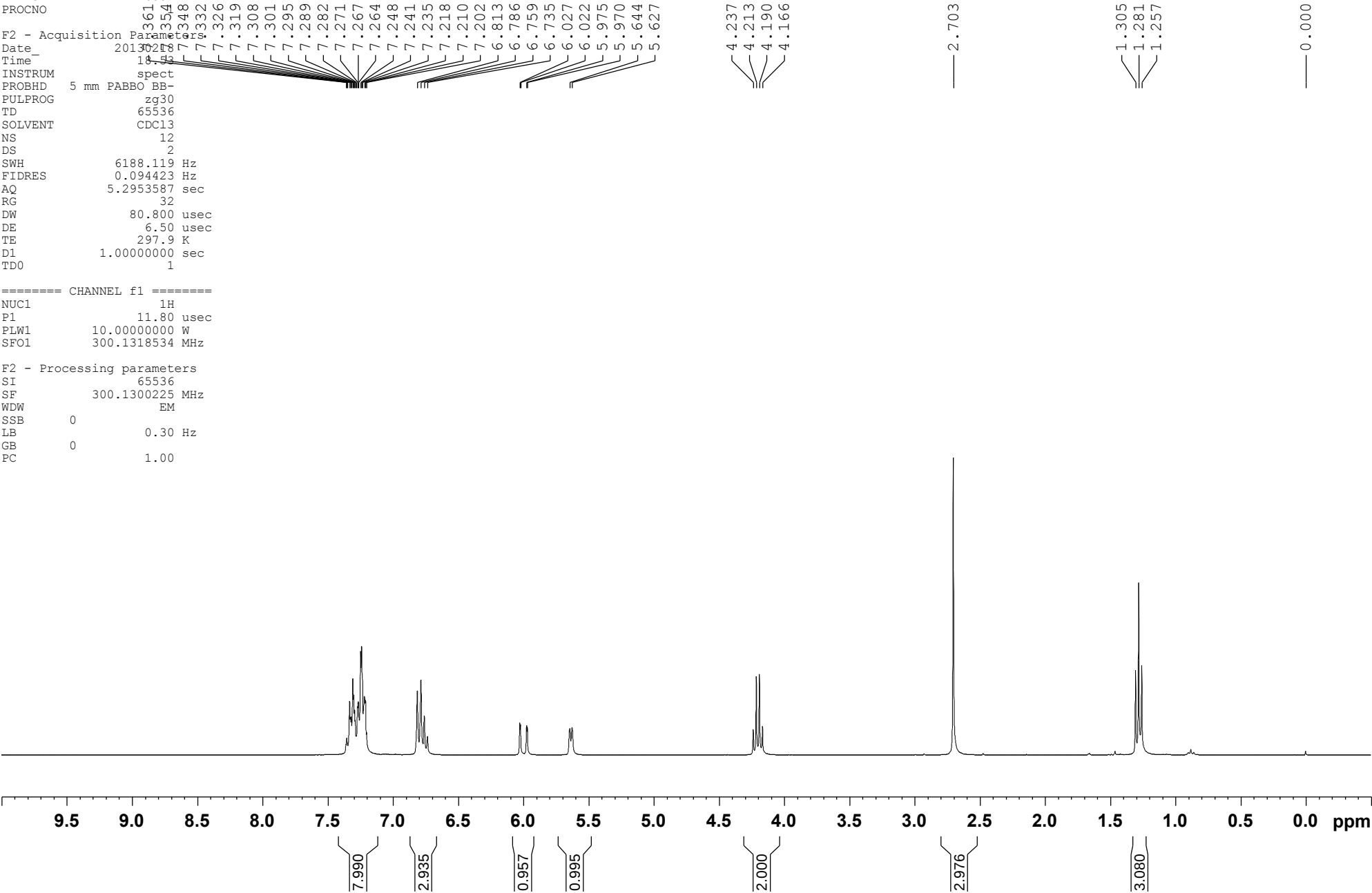


¹H NMR (E)-Ethyl 4-(N-Methyl-N-phenylamino)-4-phenylbut-2-enoate (2e)

Current Data Parameters
NAME LJHC
EXPNO 216001
PROCNO 1
F2 - Acquisition Parameters
Date_ 20130218
Time 18.53
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 32
DW 80.800 usec
DE 6.50 usec
TE 297.9 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300225 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



(E)-Ethyl 4-(N-Methyl-N-phenylamino)-4-phenylbut-2-enoate (2e)

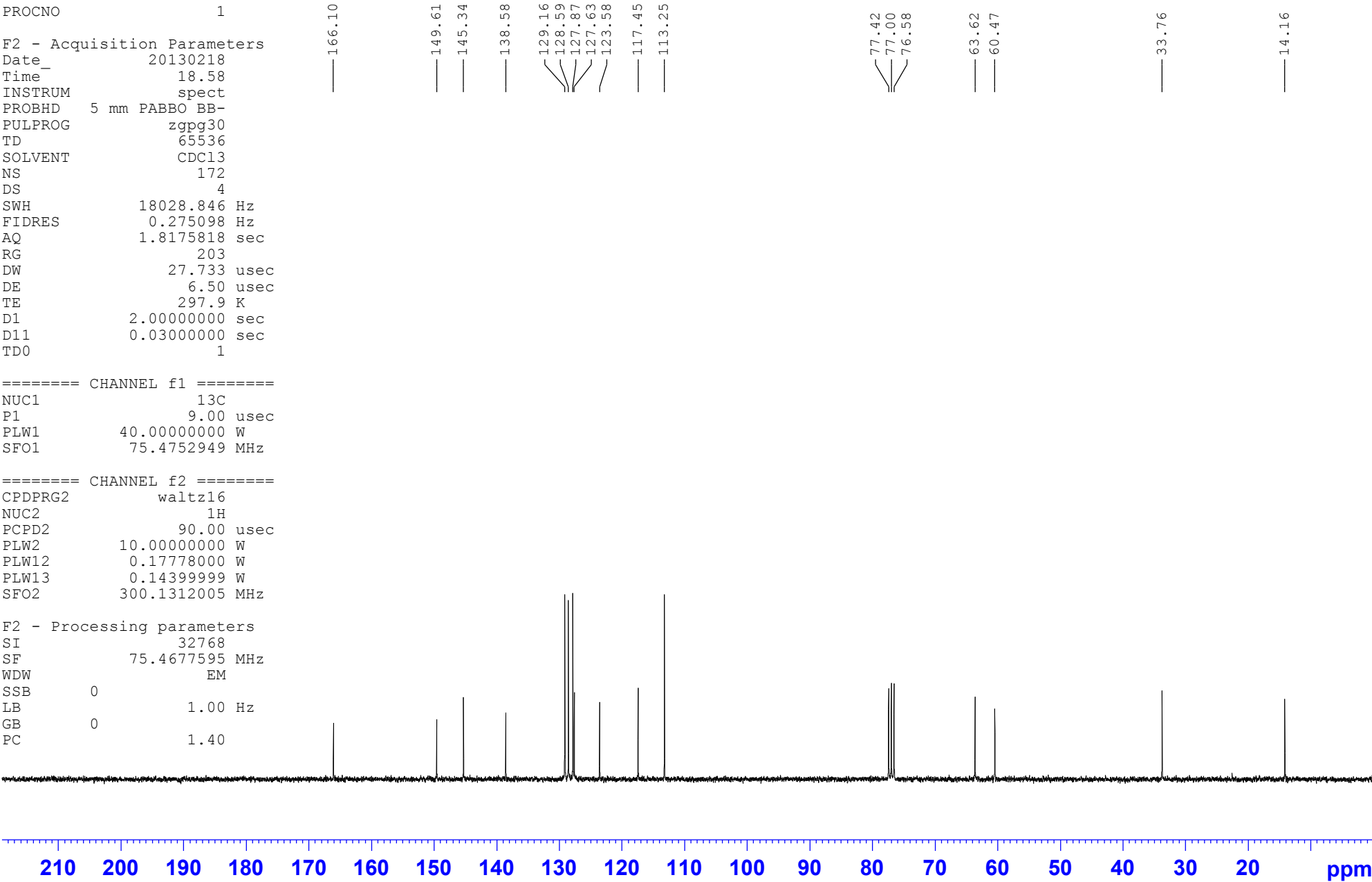
Current Data Parameters
NAME LJHC
EXPNO 216013
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130218
Time 18.58
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 172
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.9 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677595 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

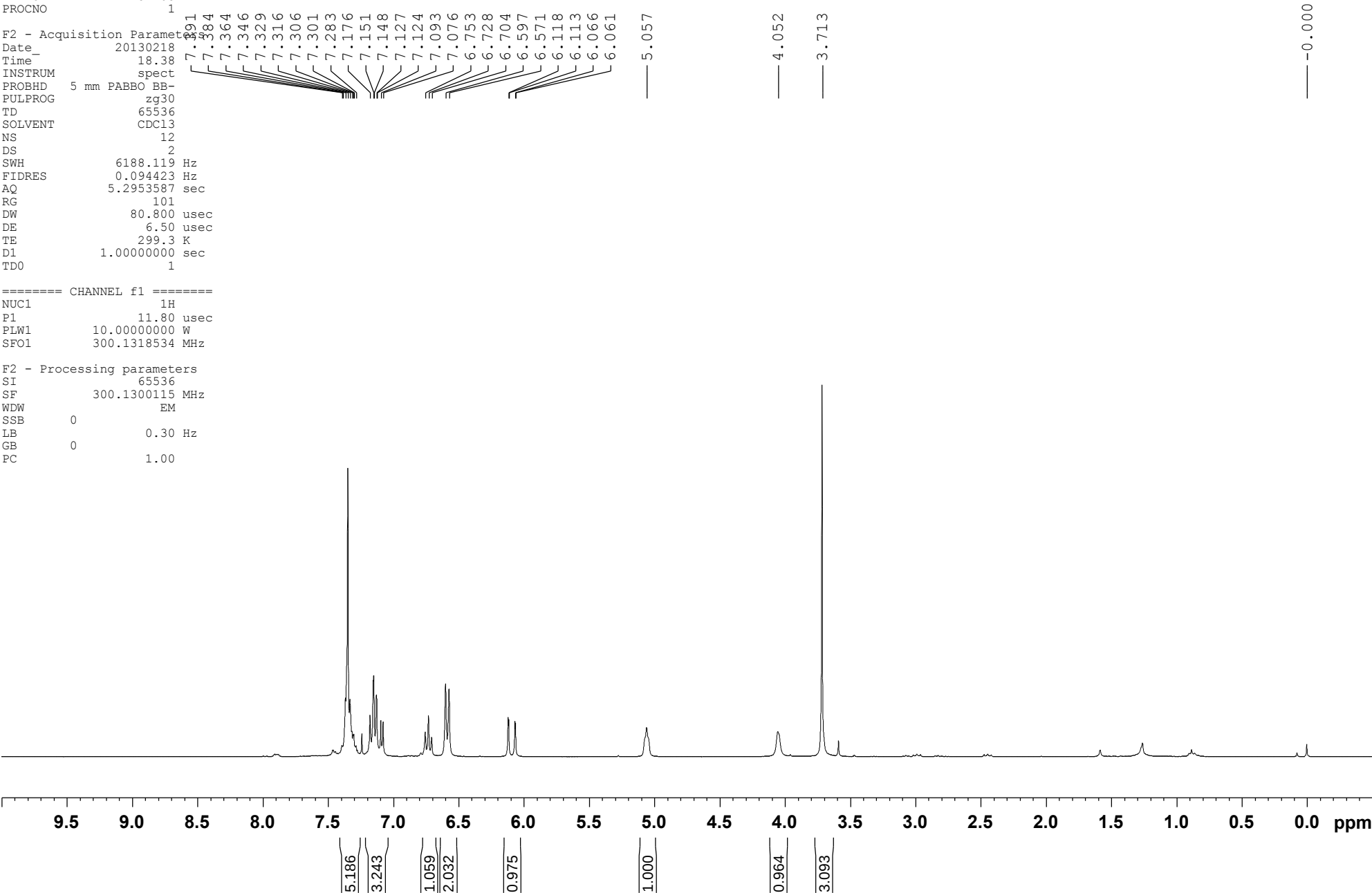


¹H NMR (E)-Methyl 4-Phenyl-4-(phenylamino)but-2-enoate (2f)

Current Data Parameters
NAME LJHC
EXPNO 34703
PROCNO 1
F2 - Acquisition Parameters
Date_ 20130218
Time 18.38
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 usec
DE 6.50 usec
TE 299.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300115 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Methyl 4-Phenyl-4-(phenylamino)but-2-enoate (2f)

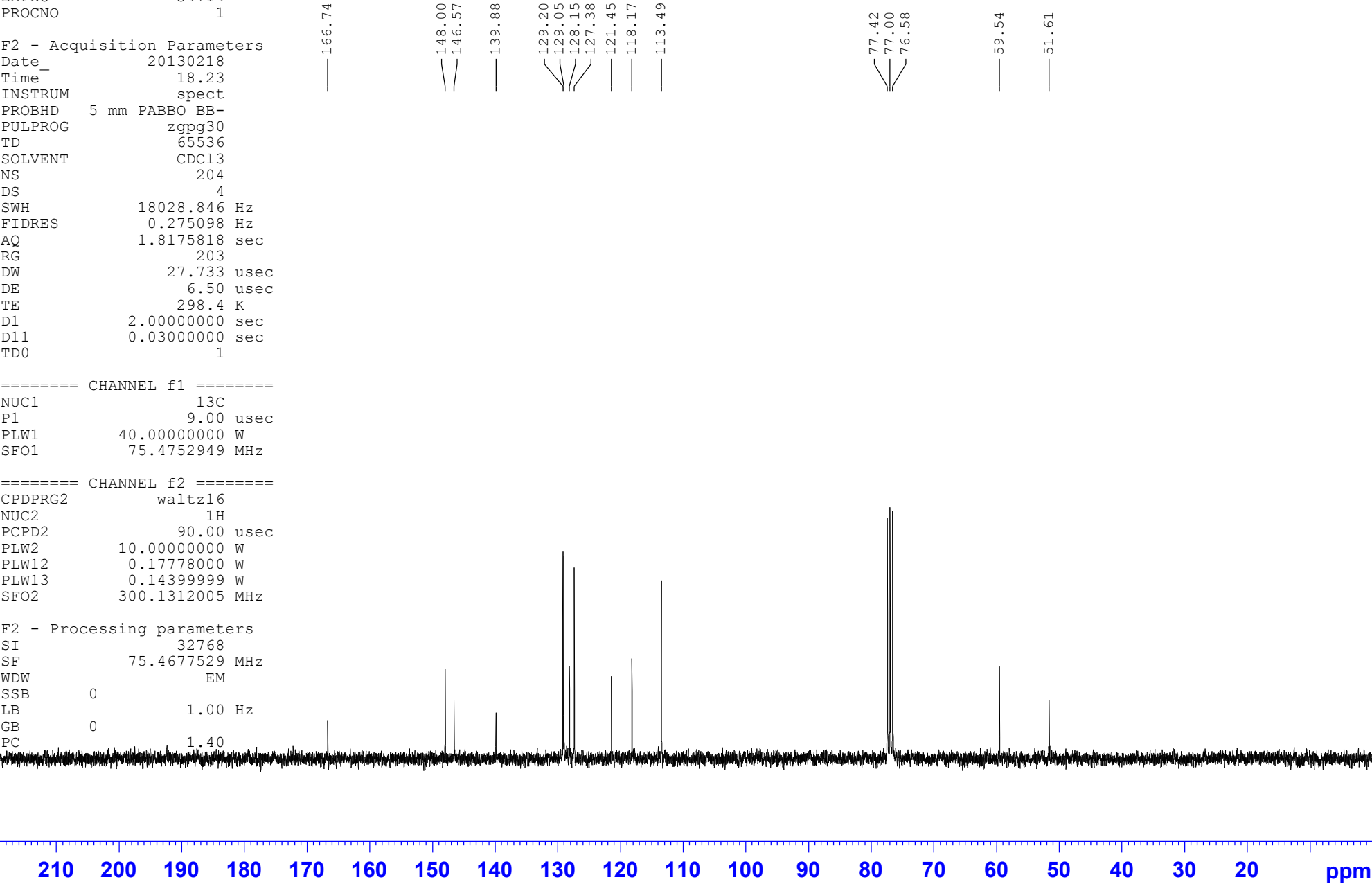
Current Data Parameters
NAME LJHC
EXPNO 34714
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130218
Time_ 18.23
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 204
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 298.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677529 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



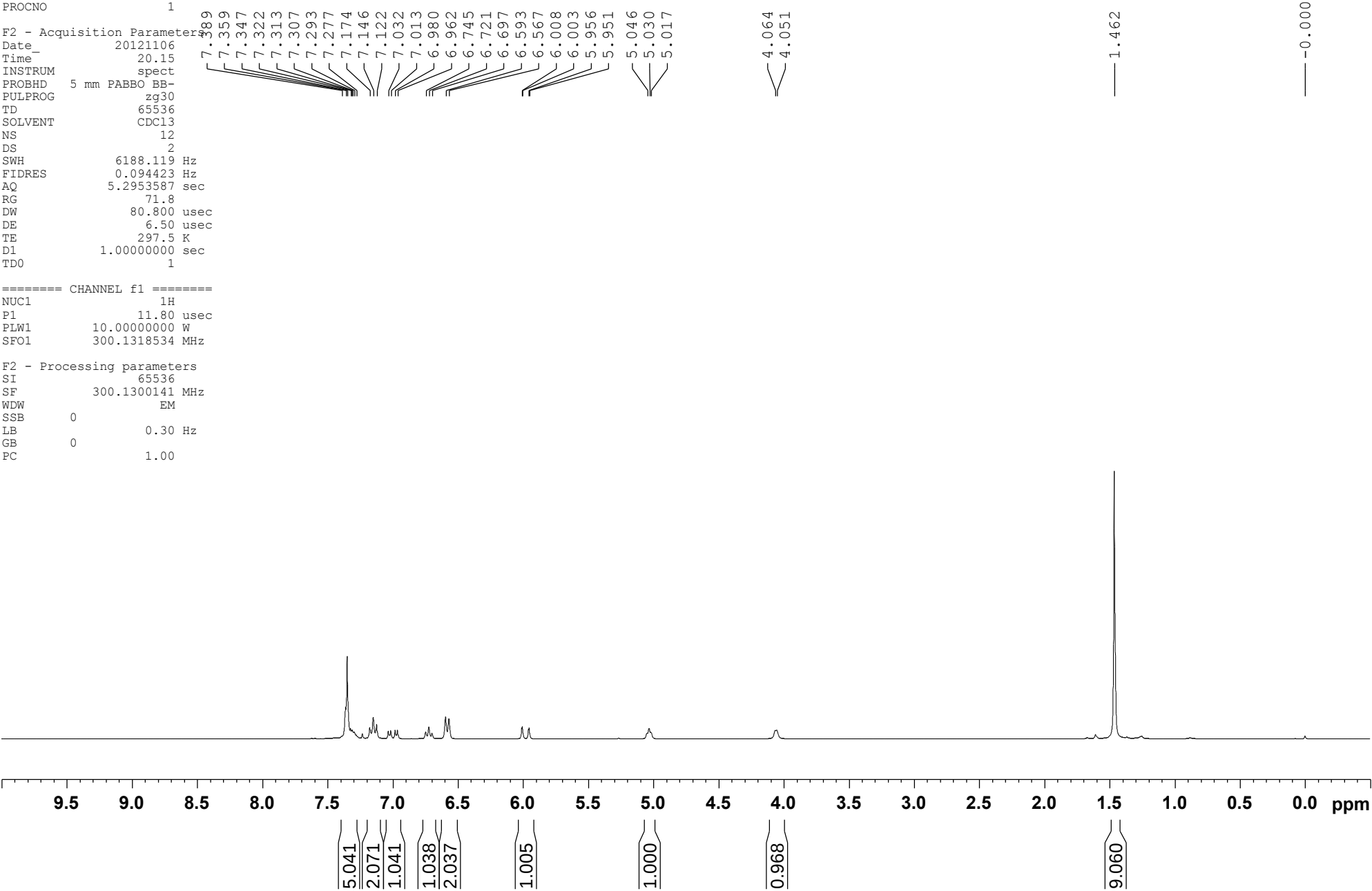
¹H NMR (E)-tert-Butyl 4-Phenyl-4-(phenylamino)but-2-enoate (2g)

Current Data Parameters
NAME LJH
EXPNO 35202
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121106
Time 20.15
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 71.8
DW 80.800 usec
DE 6.50 usec
TE 297.5 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300141 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-tert-Butyl 4-Phenyl-4-(phenylamino)but-2-enoate (2g)

Current Data Parameters

NAME LJHC
EXPNO 35214
PROCNO 1

F2 - Acquisition Parameters

Date_ 20121106
Time_ 20.22
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl₃
NS 174
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

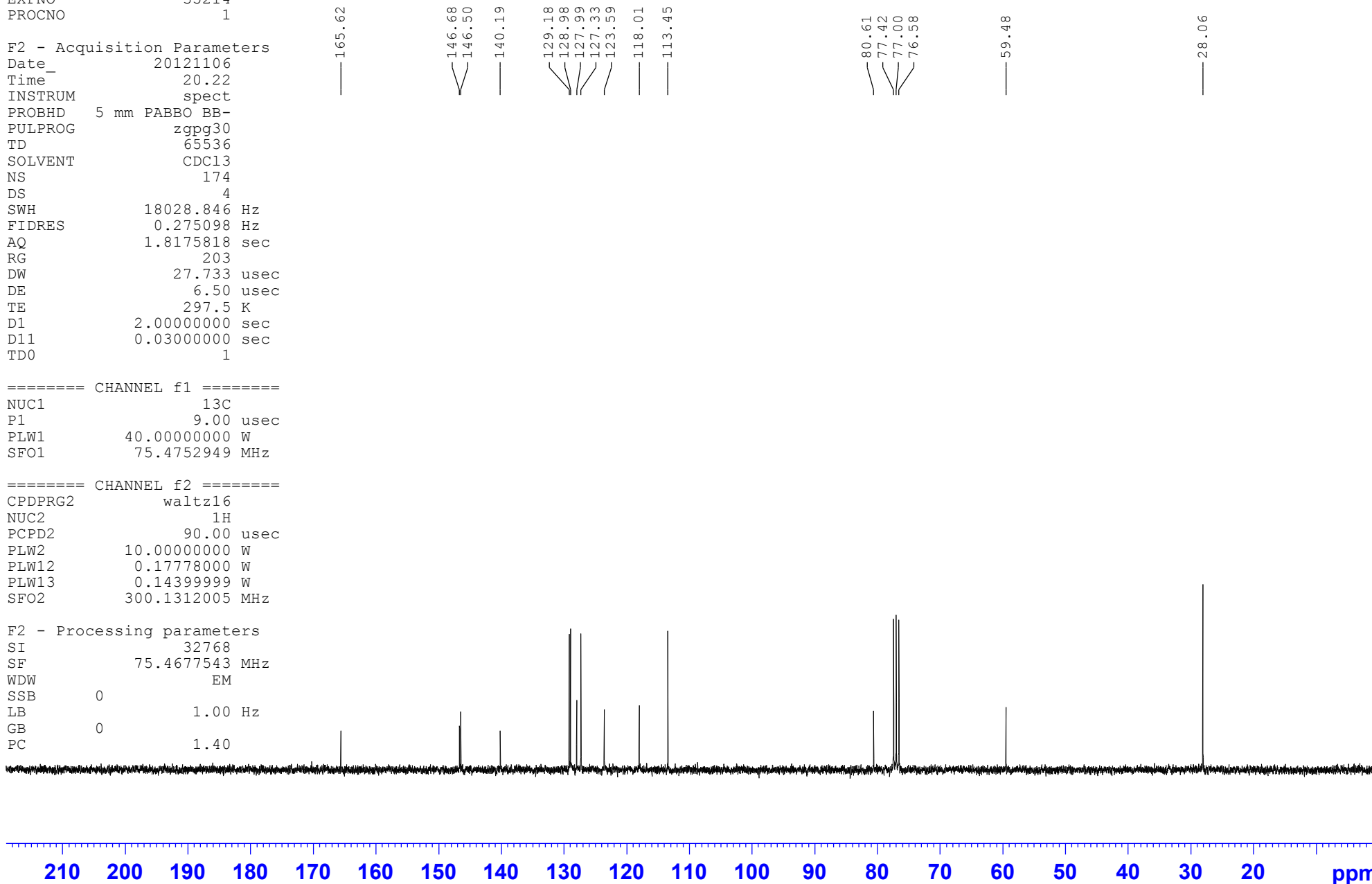
NUC1 ¹³C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 ¹H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677543 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



¹H NMR (E)-Ethyl 4-(Phenylamino)pent-2-enoate (2h)

Current Data Parameters
NAME LJHC
EXPNO 33902
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121018
Time 13.50
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 32
DW 80.800 usec
DE 6.50 usec
TE 297.2 K
D1 1.00000000 sec
TD0 1

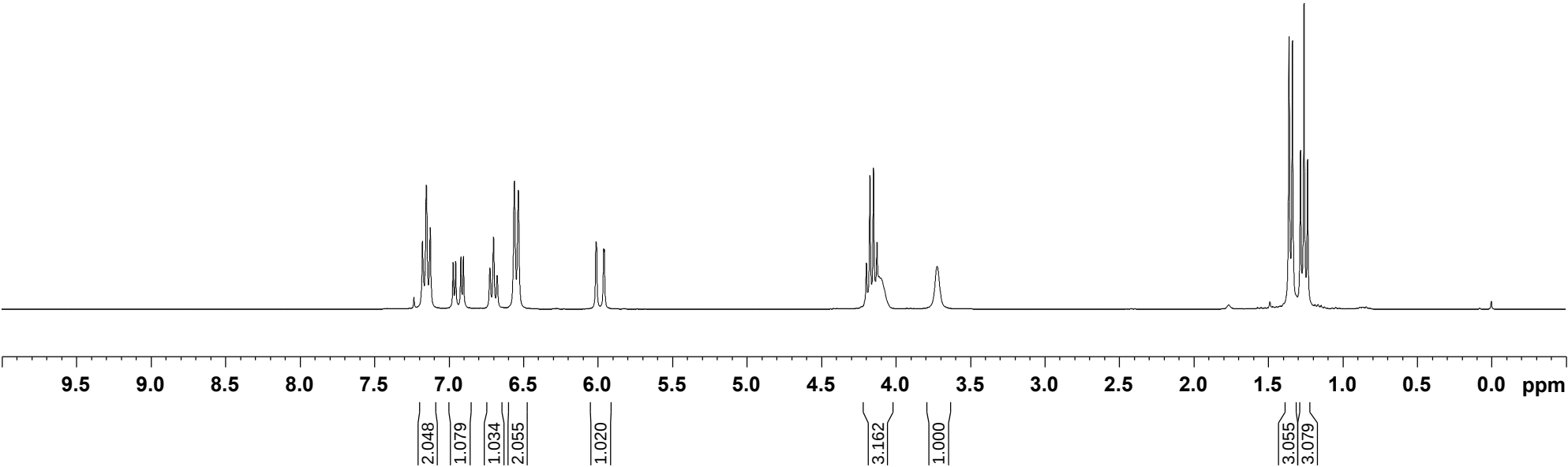
===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300137 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.175
7.149
7.122
6.969
6.952
6.917
6.899
6.722
6.697
6.673
6.557
6.531
6.010
6.006
5.958
5.954

4.194
4.171
4.147
4.123
4.110
3.720

1.357
1.334
1.280
1.257
1.233



13C NMR (E)-Ethyl 4-(Phenylamino)pent-2-enoate (2h)

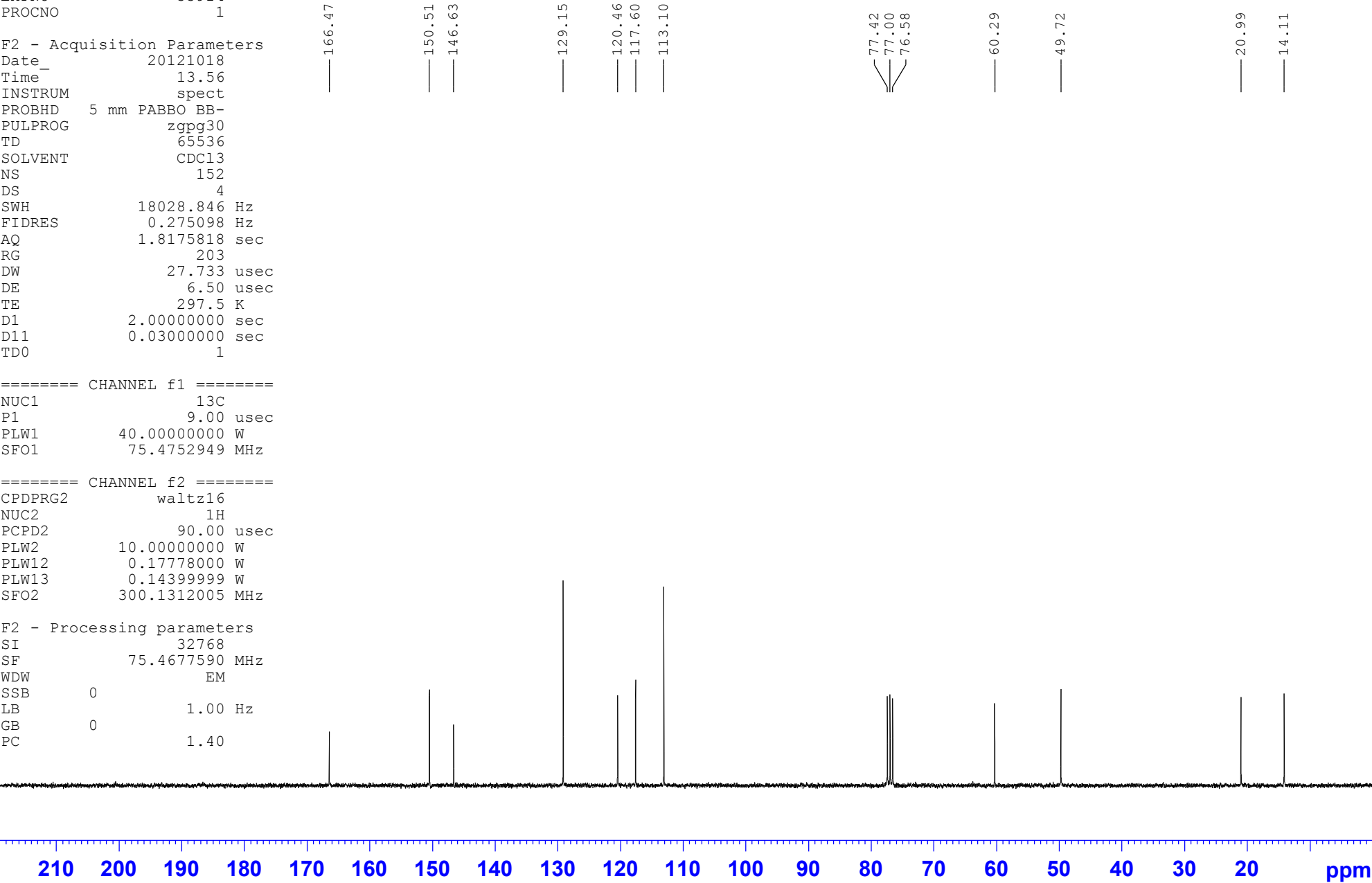
Current Data Parameters
NAME LJHC
EXPNO 33914
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121018
Time_ 13.56
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 152
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677590 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



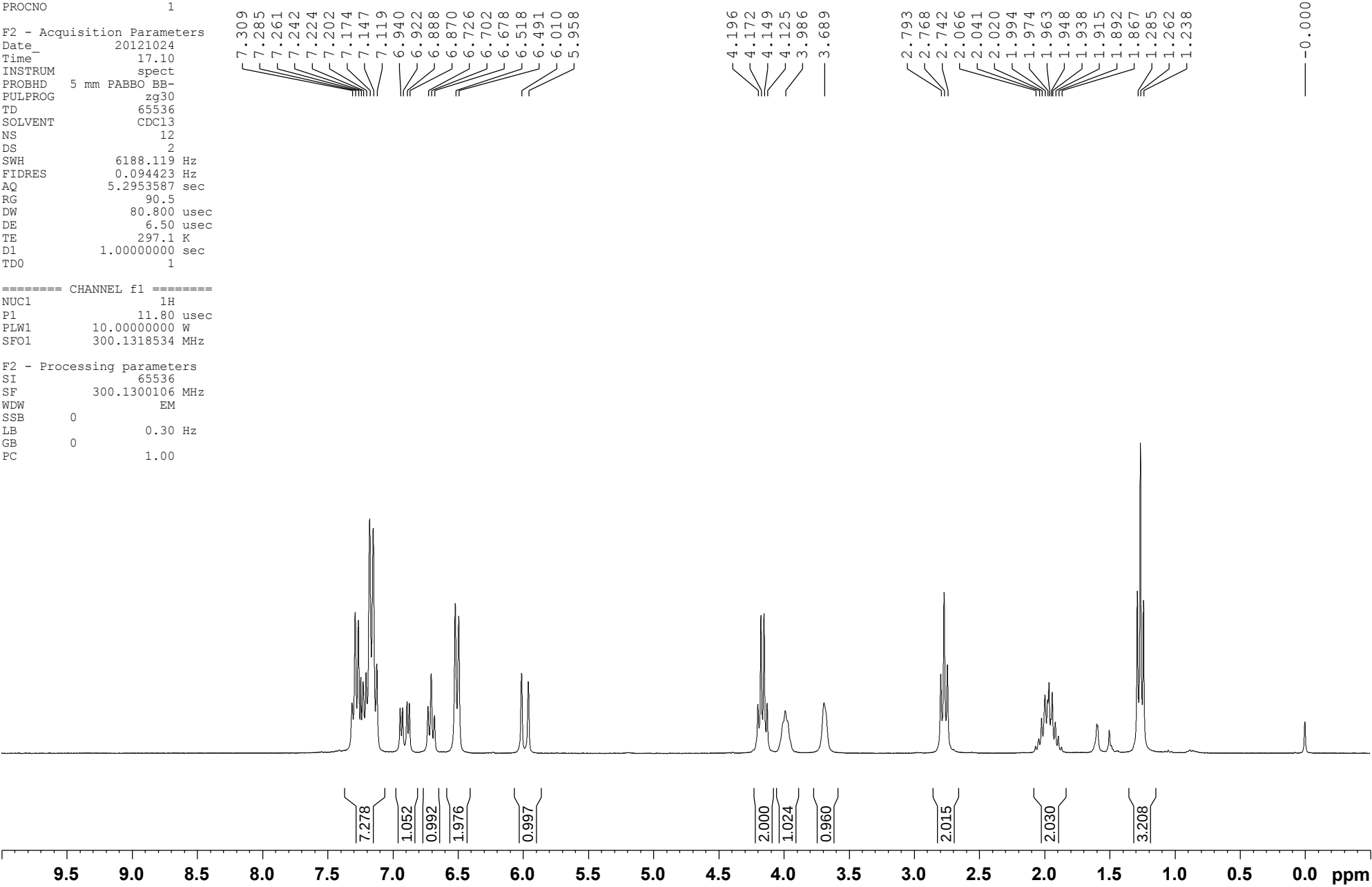
1H NMR (E)-Ethyl 6-phenyl-4-(phenylamino)hex-2-enoate (2i)

Current Data Parameters
NAME LJHC
EXPNO 34303
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121024
Time_ 17.10
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 90.5
DW 80.800 usec
DE 6.50 usec
TE 297.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300106 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 6-Phenyl-4-(phenylamino)hex-2-enoate (2i)

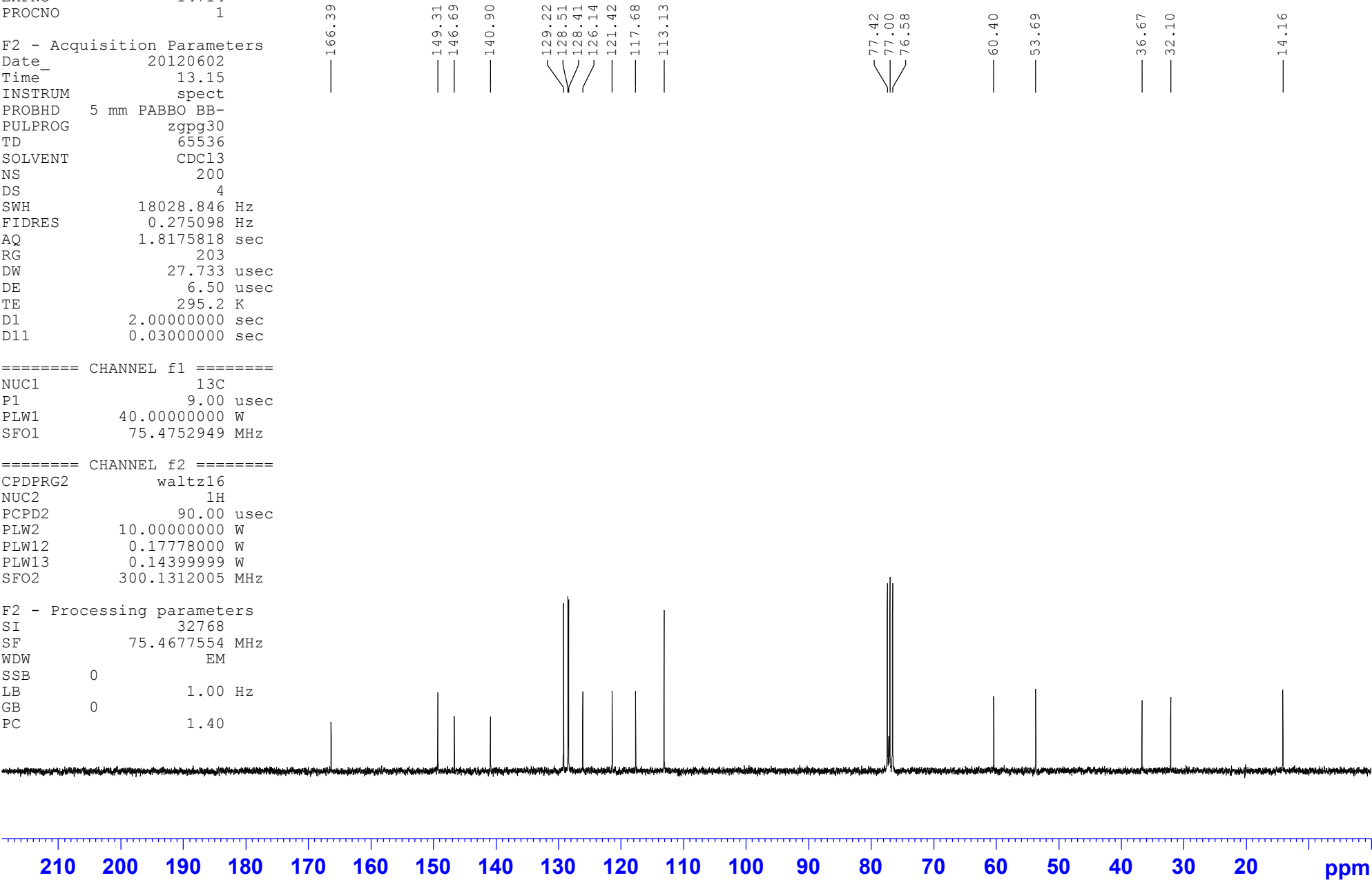
Current Data Parameters
NAME LJH
EXPNO 14714
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120602
Time_ 13.15
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 200
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 295.2 K
D1 2.00000000 sec
D11 0.03000000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677554 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



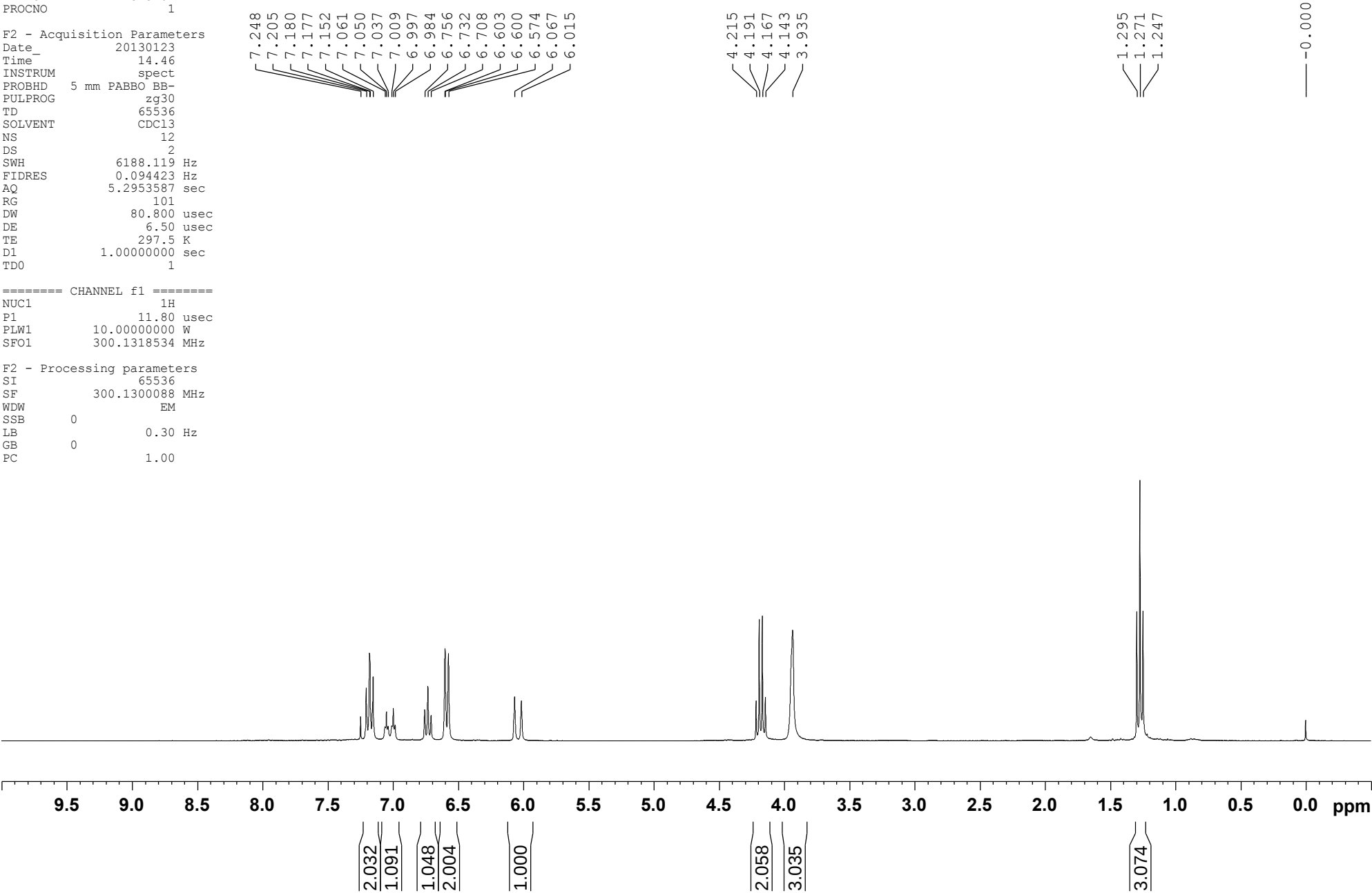
¹H NMR (E)-Ethyl 4-(Phenylamino)but-2-enoate (2j)

Current Data Parameters
NAME LJH
EXPNO 313101
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130123
Time 14.46
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 usec
DE 6.50 usec
TE 297.5 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300088 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(Phenylamino)but-2-enoate (2j)

Current Data Parameters

NAME LJH
EXPNO 3131113
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130123
Time_ 14.51
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 180
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

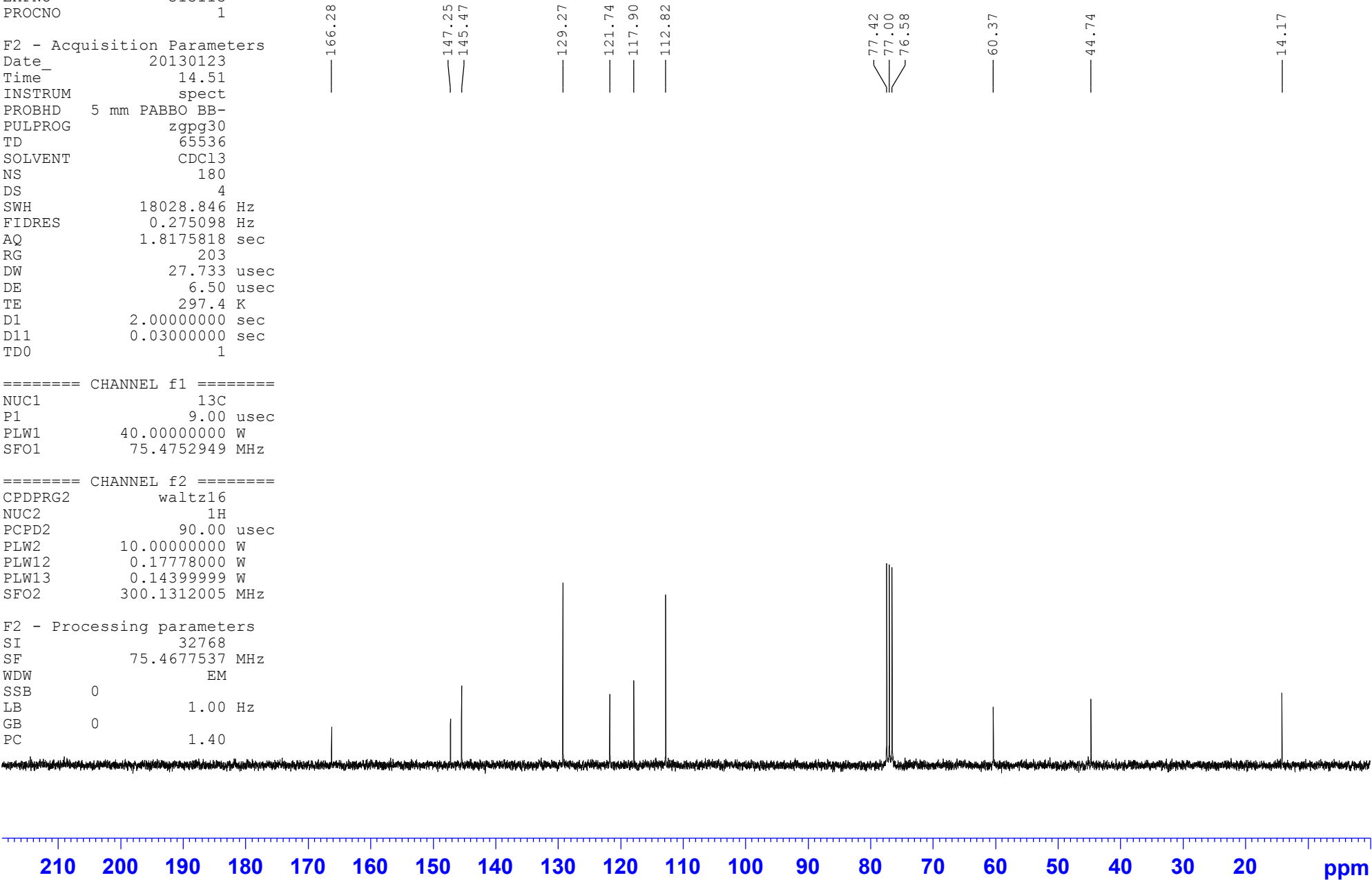
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677537 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



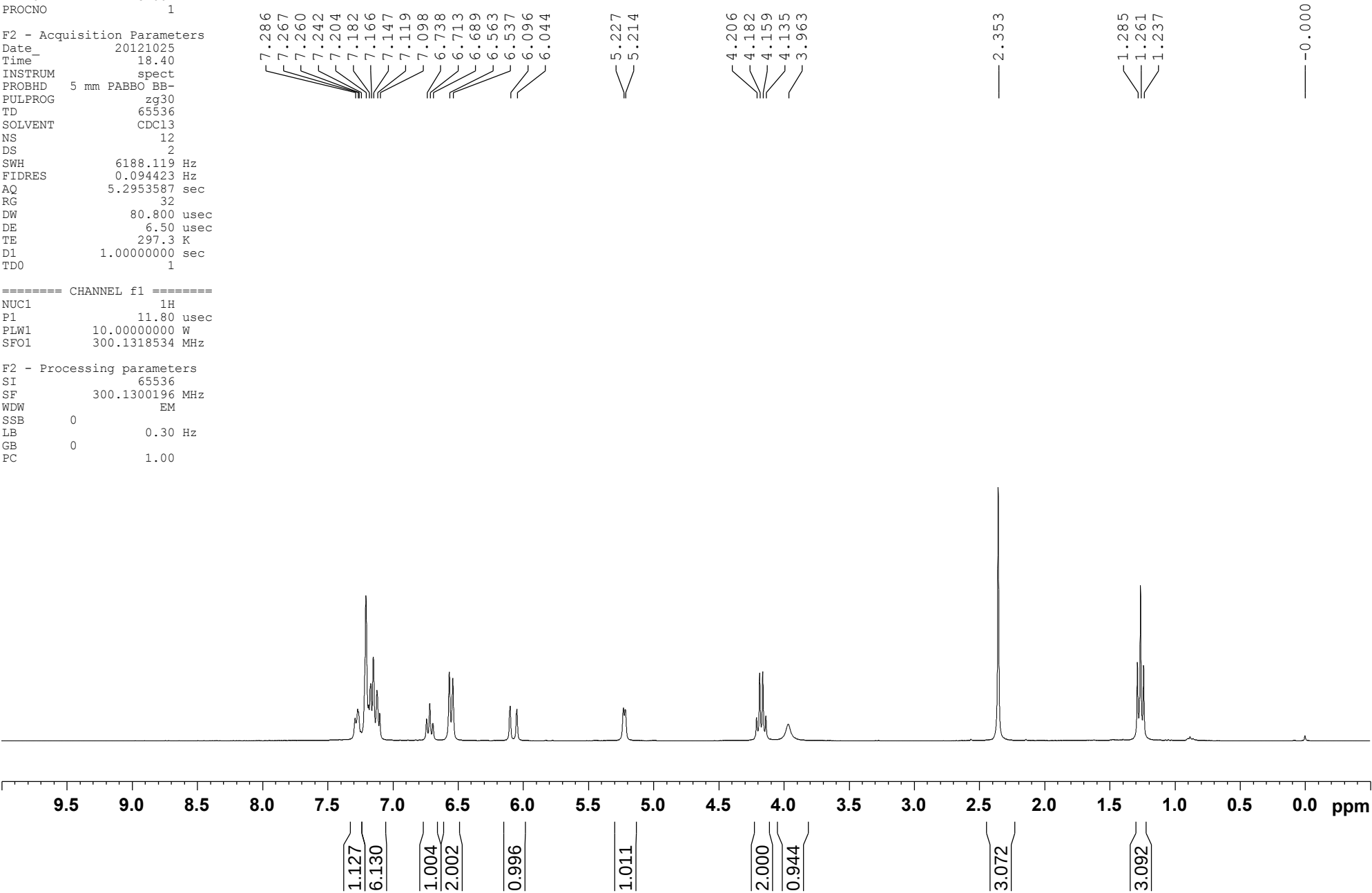
¹H NMR (E)-Ethyl 4-(2-Methylphenyl)-4-(phenylamino)but-2-enoate (2k)

Current Data Parameters
NAME LJH
EXPNO 34007
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121025
Time_ 18.40
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 32
DW 80.800 usec
DE 6.50 usec
TE 297.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300196 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



1H NMR (E)-Ethyl 4-(2-Methylphenyl)-4-(phenylamino)but-2-enoate (2k)

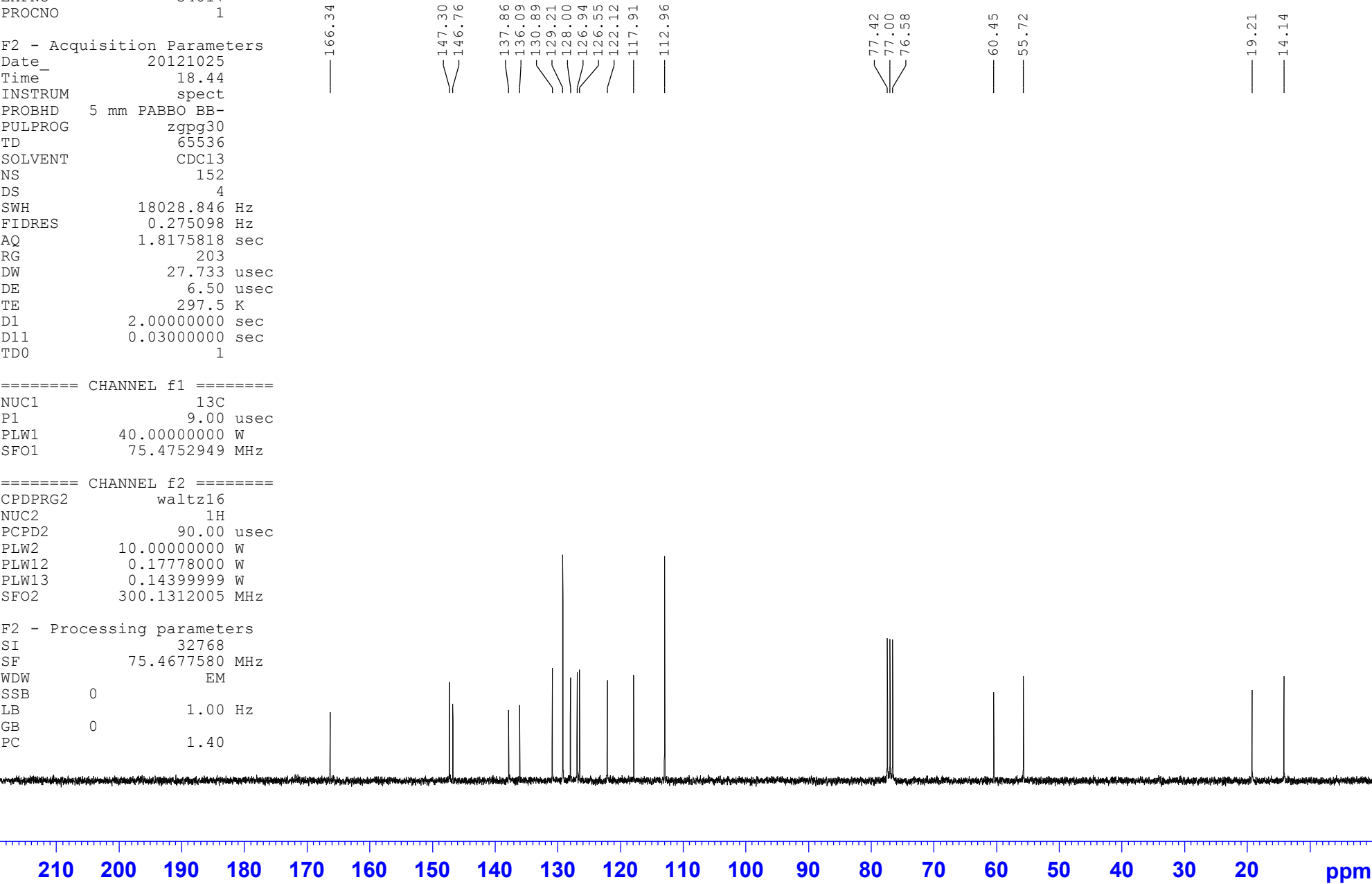
Current Data Parameters
NAME LJH
EXPNO 34017
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121025
Time_ 18.44
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 152
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677580 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



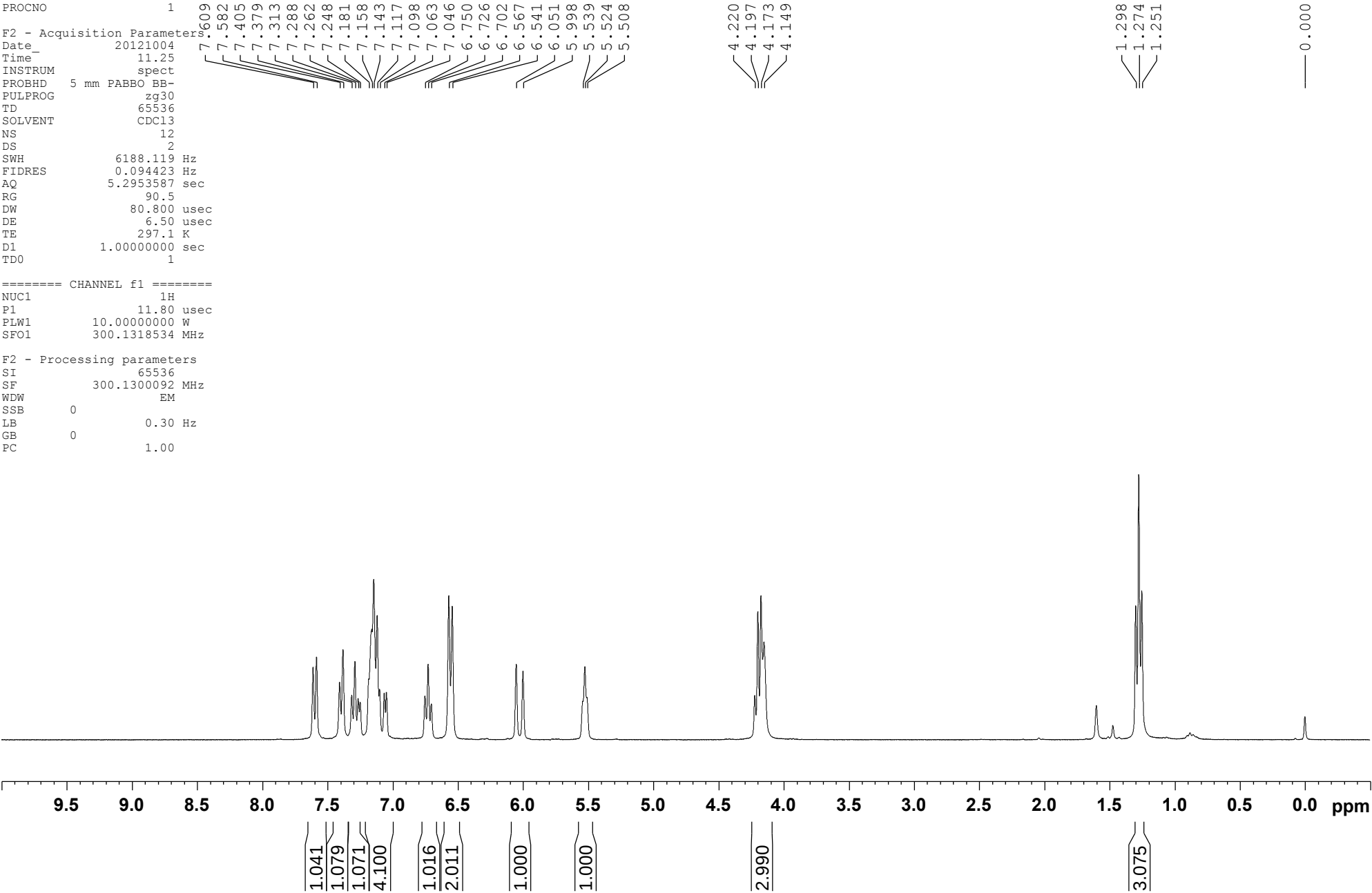
1H NMR (E)-Ethyl 4-(2-Bromophenyl)-4-(phenylamino)but-2-enoate (2l)

Current Data Parameters
NAME LJH
EXPNO 320602
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121004
Time_ 11.25
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 90.5
DW 80.800 usec
DE 6.50 usec
TE 297.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300092 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(2-Bromophenyl)-4-(phenylamino)but-2-enoate (2l)

Current Data Parameters

NAME LJH
EXPNO 320613
PROCNO 1

F2 - Acquisition Parameters

Date_ 20121004
Time_ 11.28
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 207
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

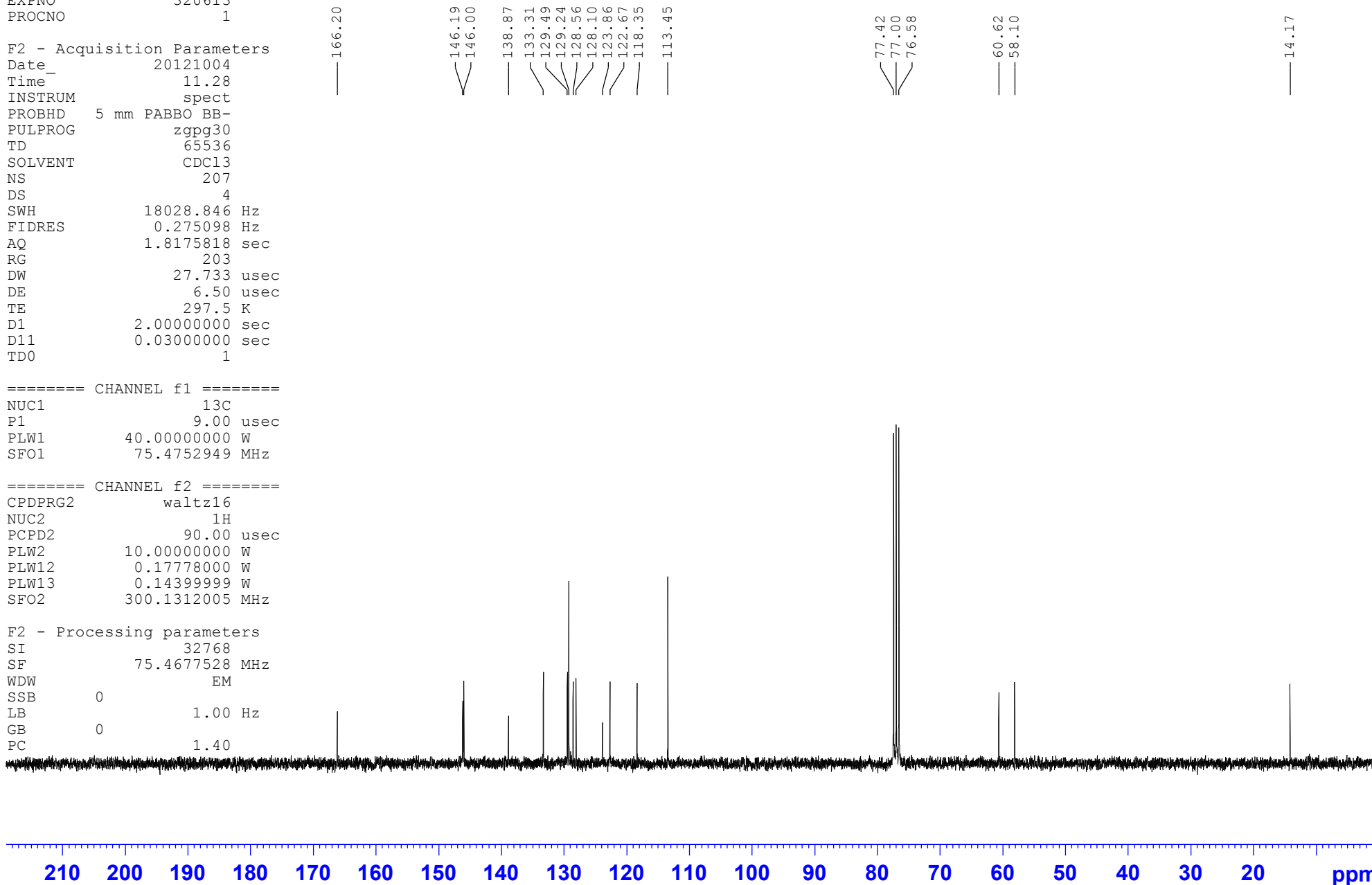
NUC1 ¹³C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 ¹H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677528 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



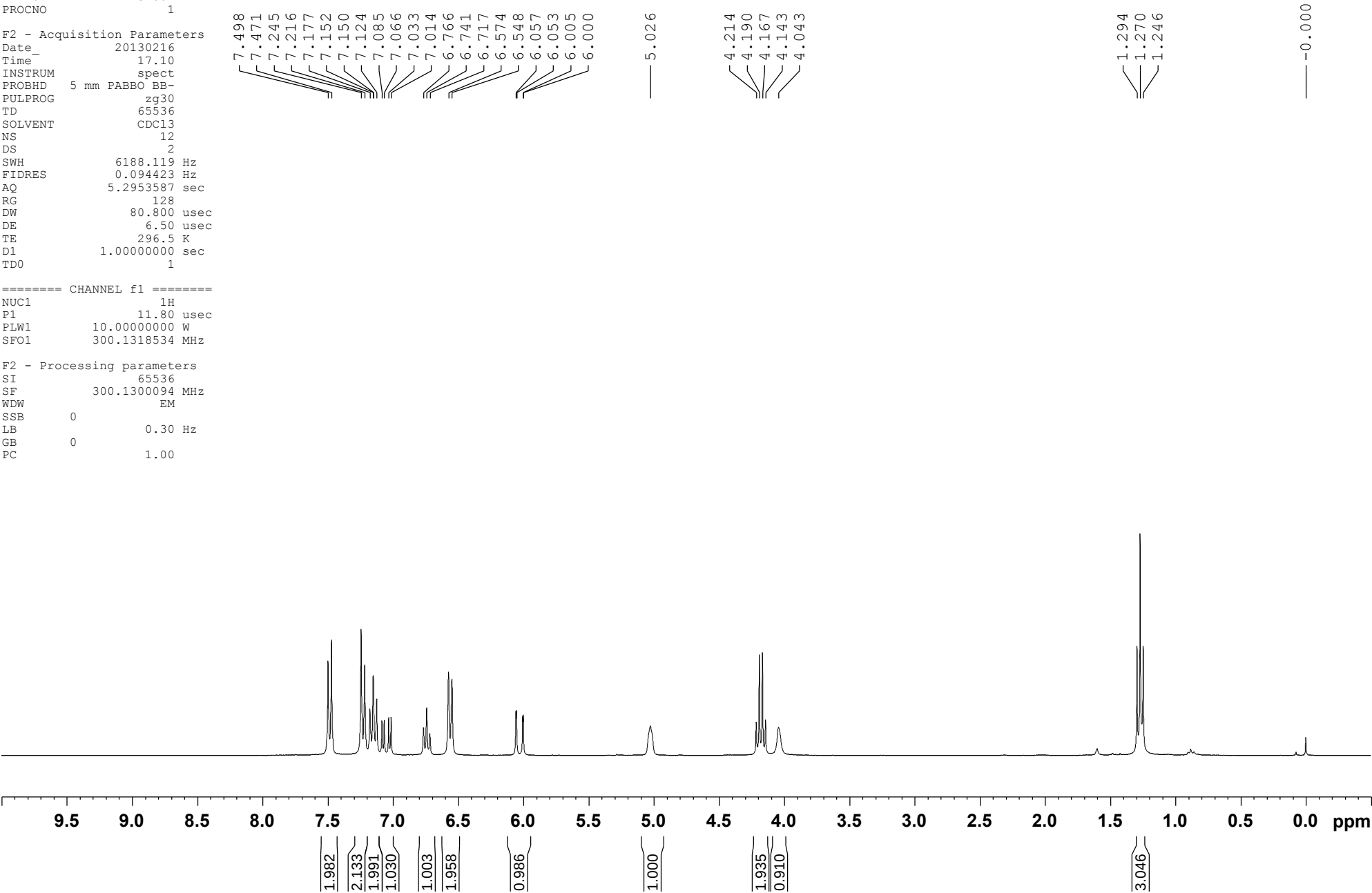
1H NMR (E)-Ethyl 4-(4-Bromophenyl)-4-(phenylamino)but-2-enoate (2m)

Current Data Parameters
NAME LJHC
EXPNO 37007
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130216
Time 17.10
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 128
DW 80.800 usec
DE 6.50 usec
TE 296.5 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300094 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(4-Bromophenyl)-4-(phenylamino)but-2-enoate (2m)

Current Data Parameters
NAME LJHC
EXPNO 37015
PROCNO 1

F2 - Acquisition Parameters

Date_ 20121126
Time_ 10.30
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl₃
NS 164
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 298.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

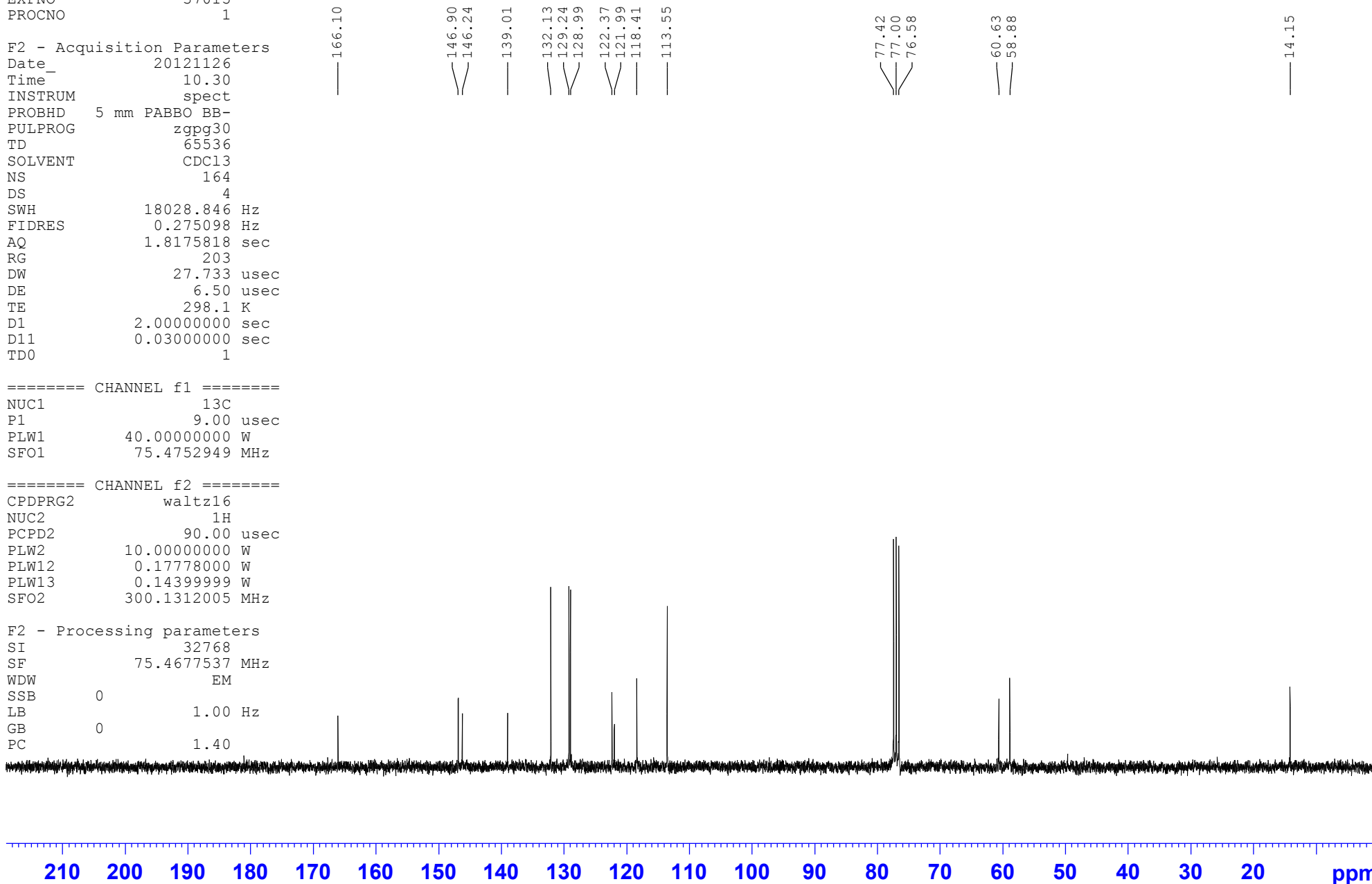
NUC1 ¹³C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 ¹H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677537 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



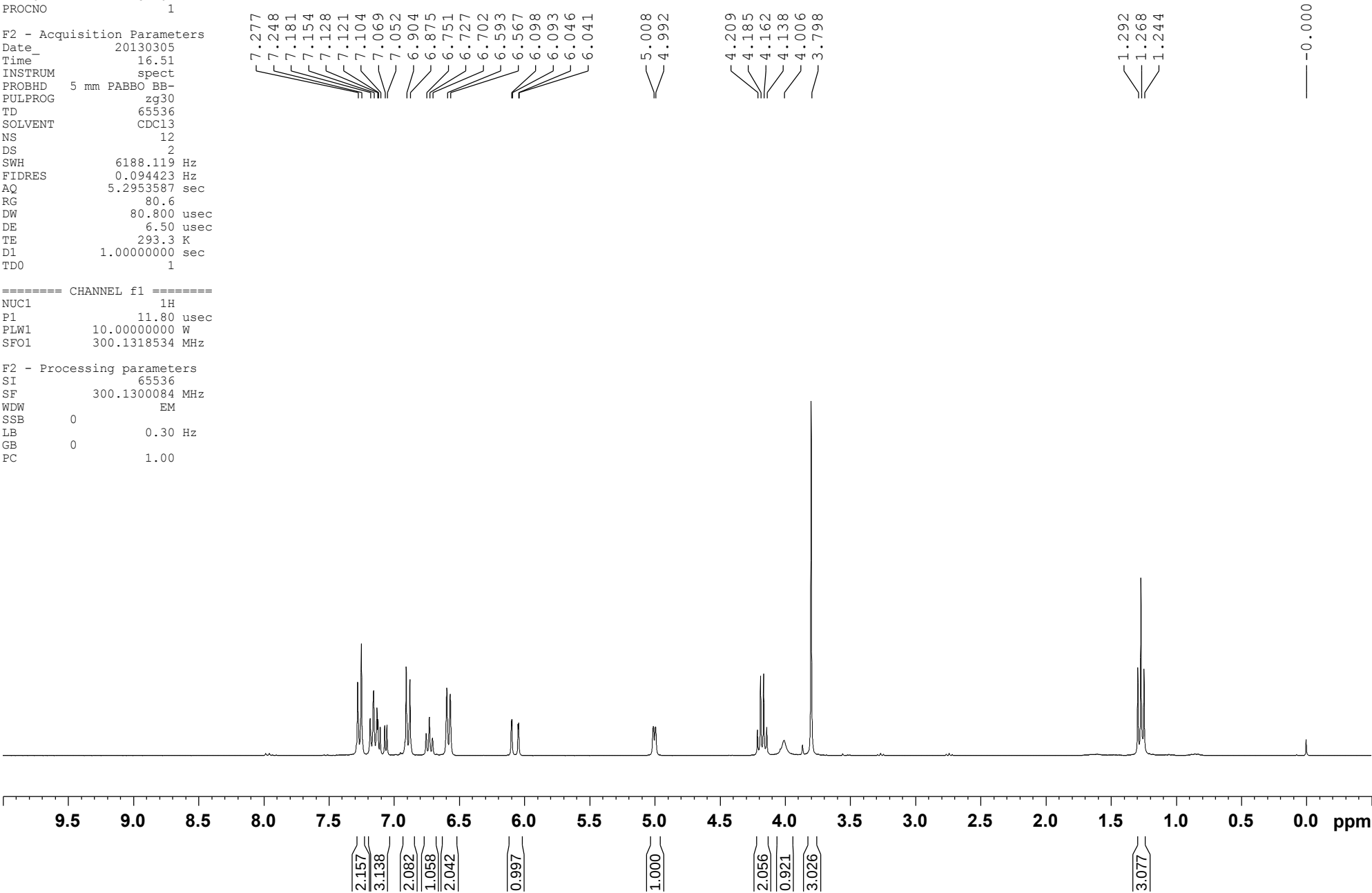
¹H NMR (E)-Ethyl 4-(4-methoxyphenyl)-4-(phenylamino)but-2-enoate (2n)

Current Data Parameters
NAME LJHC
EXPNO 34104
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130305
Time 16.51
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 80.6
DW 80.800 usec
DE 6.50 usec
TE 293.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300084 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(4-methoxyphenyl)-4-(phenylamino)but-2-enoate (2n)

Current Data Parameters
NAME LJHC
EXPNO 34116
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130305
Time 17.00
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 200
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 294.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

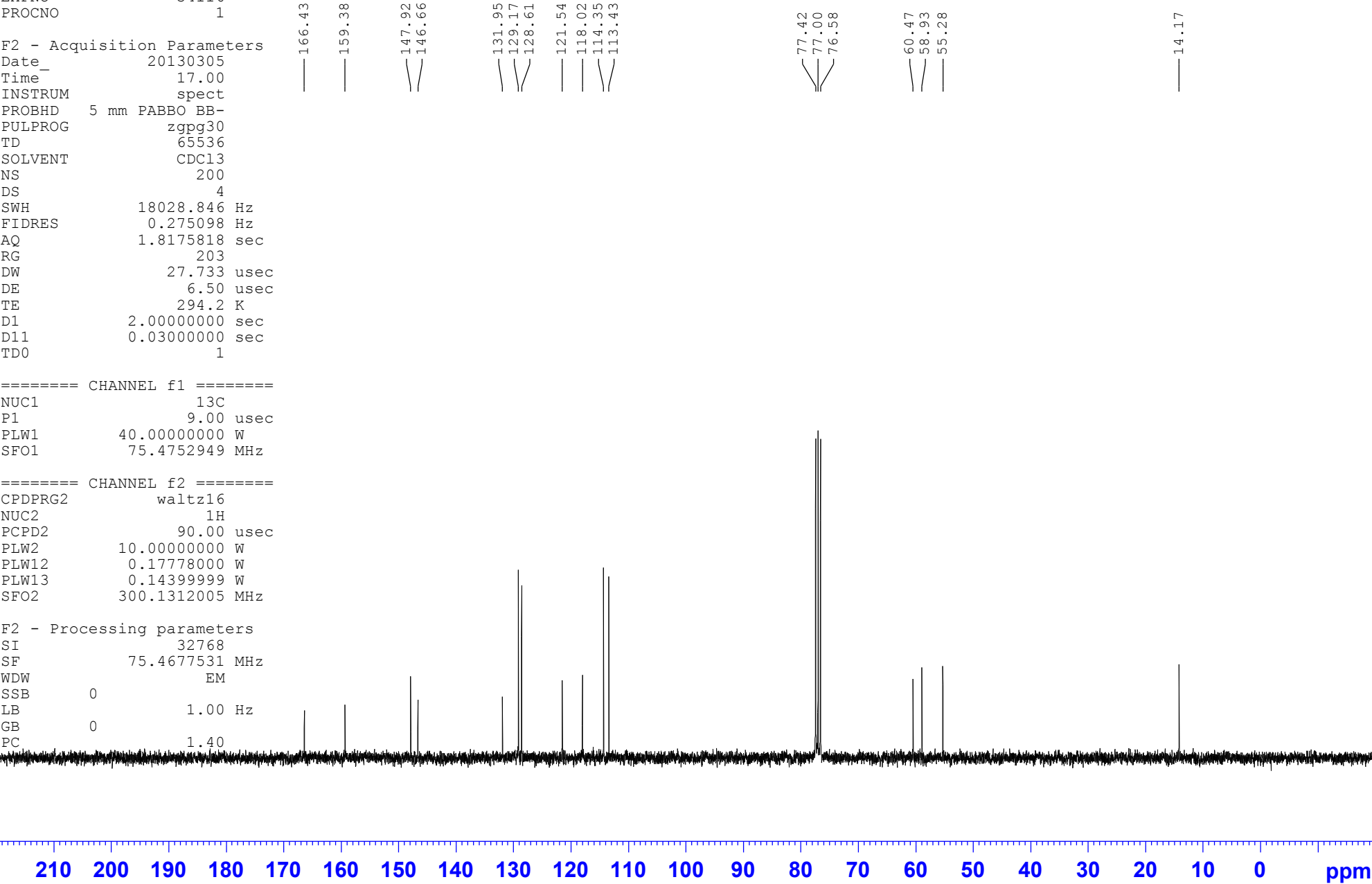
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677531 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



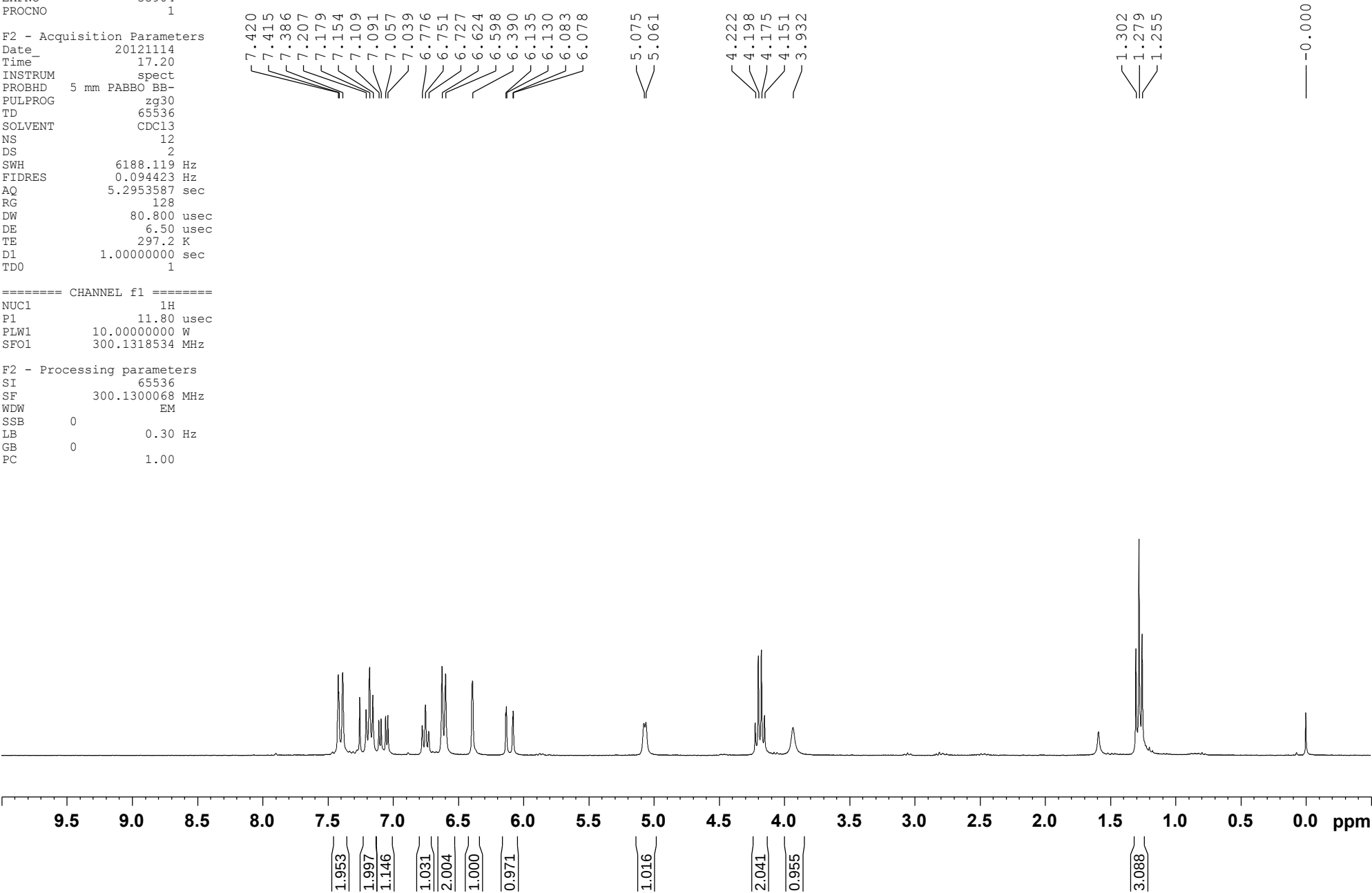
¹H NMR (E)-Ethyl 4-(3-Furanyl)-4-(phenylamino)but-2-enoate (2o)

Current Data Parameters
NAME LJH
EXPNO 35904
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121114
Time 17.20
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 128
DW 80.800 usec
DE 6.50 usec
TE 297.2 K
D1 1.00000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300068 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(3-Furanyl)-4-(phenylamino)but-2-enoate (2o)

Current Data Parameters

NAME LJH
EXPNO 35915
PROCNO 1

F2 - Acquisition Parameters

Date_ 20121113
Time_ 19.16
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 120
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

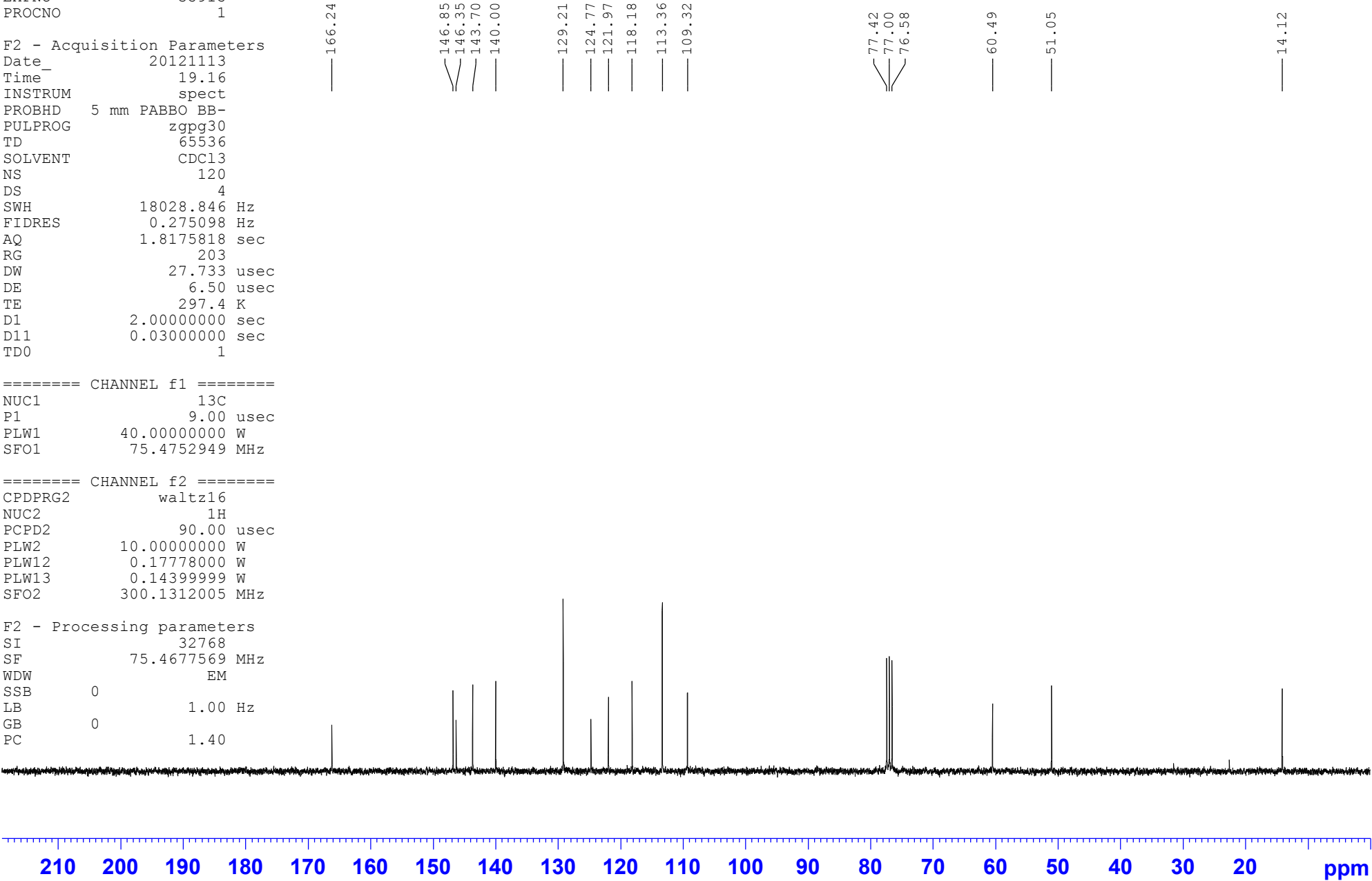
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677569 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



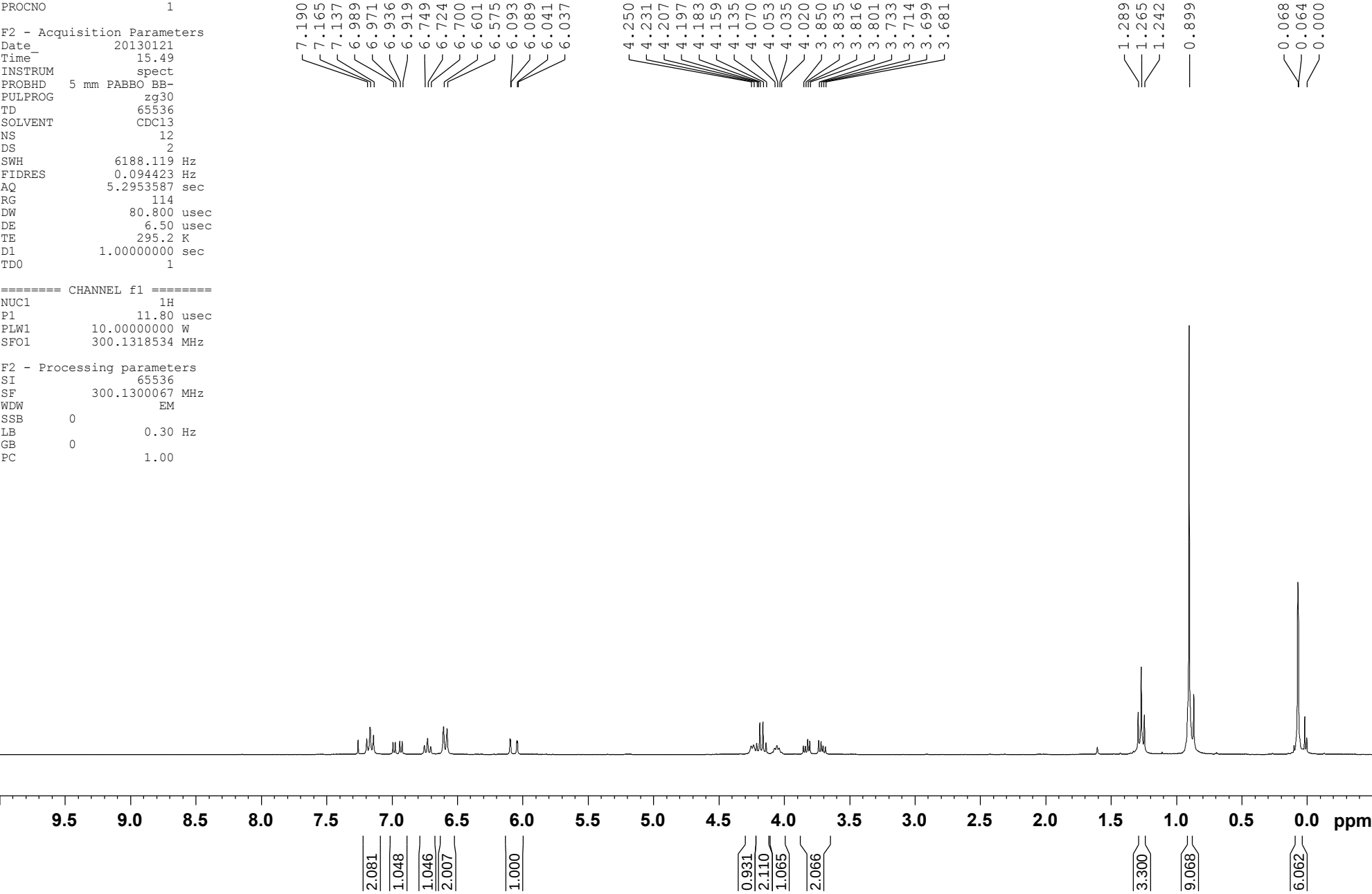
1H NMR (E)-Ethyl 4-(tert-Butyldimethylsilyloxy)-3-(phenylamino)but-2-enoate (2p)

Current Data Parameters
NAME LJHC
EXPNO 313001
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130121
Time 15.49
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 114
DW 80.800 usec
DE 6.50 usec
TE 295.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300067 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(tert-Butyldimethylsilyloxy)-3-(phenylamino)but-2-enoate (2p)

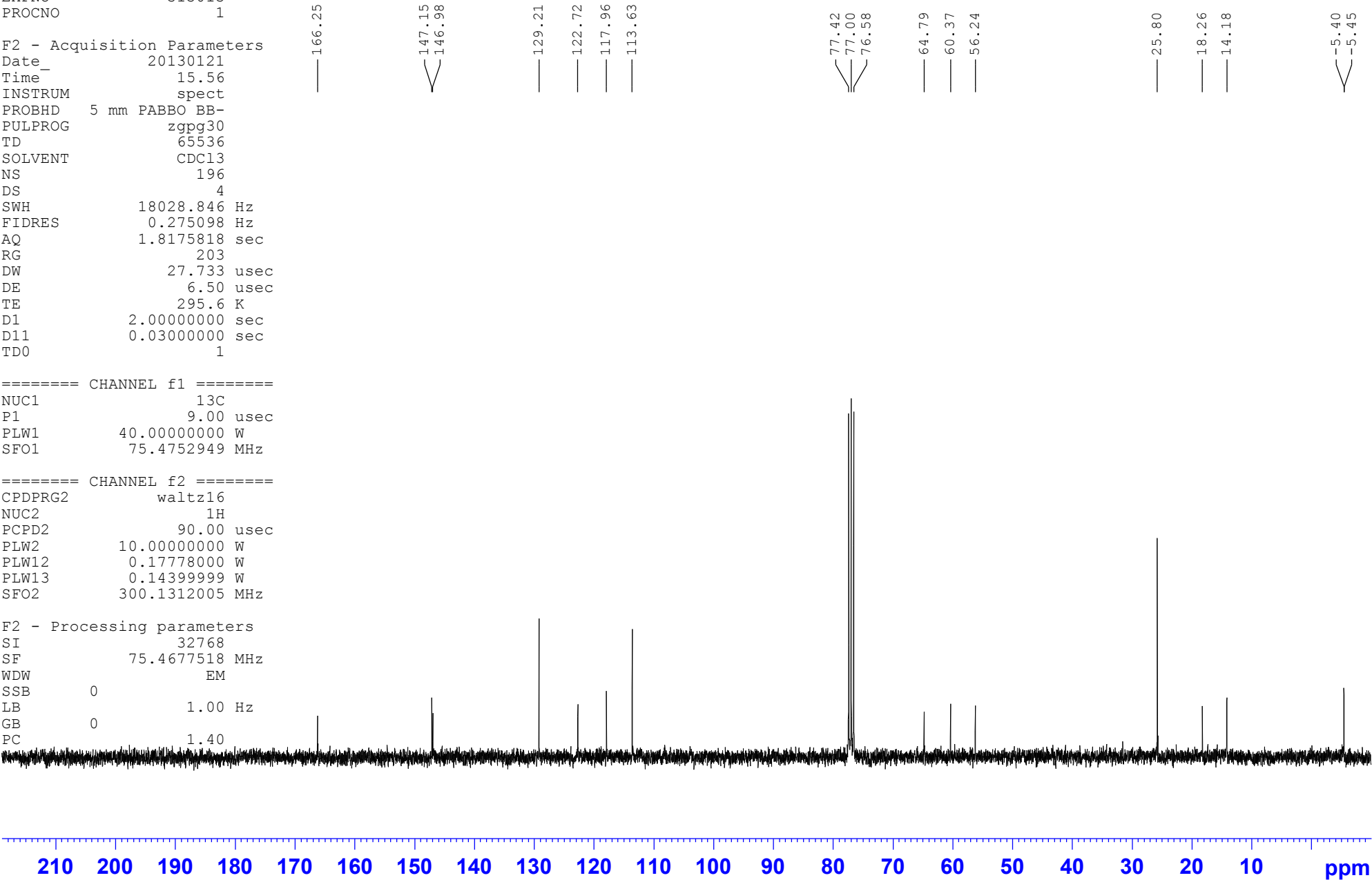
Current Data Parameters
NAME LJHC
EXPNO 313013
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130121
Time 15.56
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 196
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 295.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677518 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



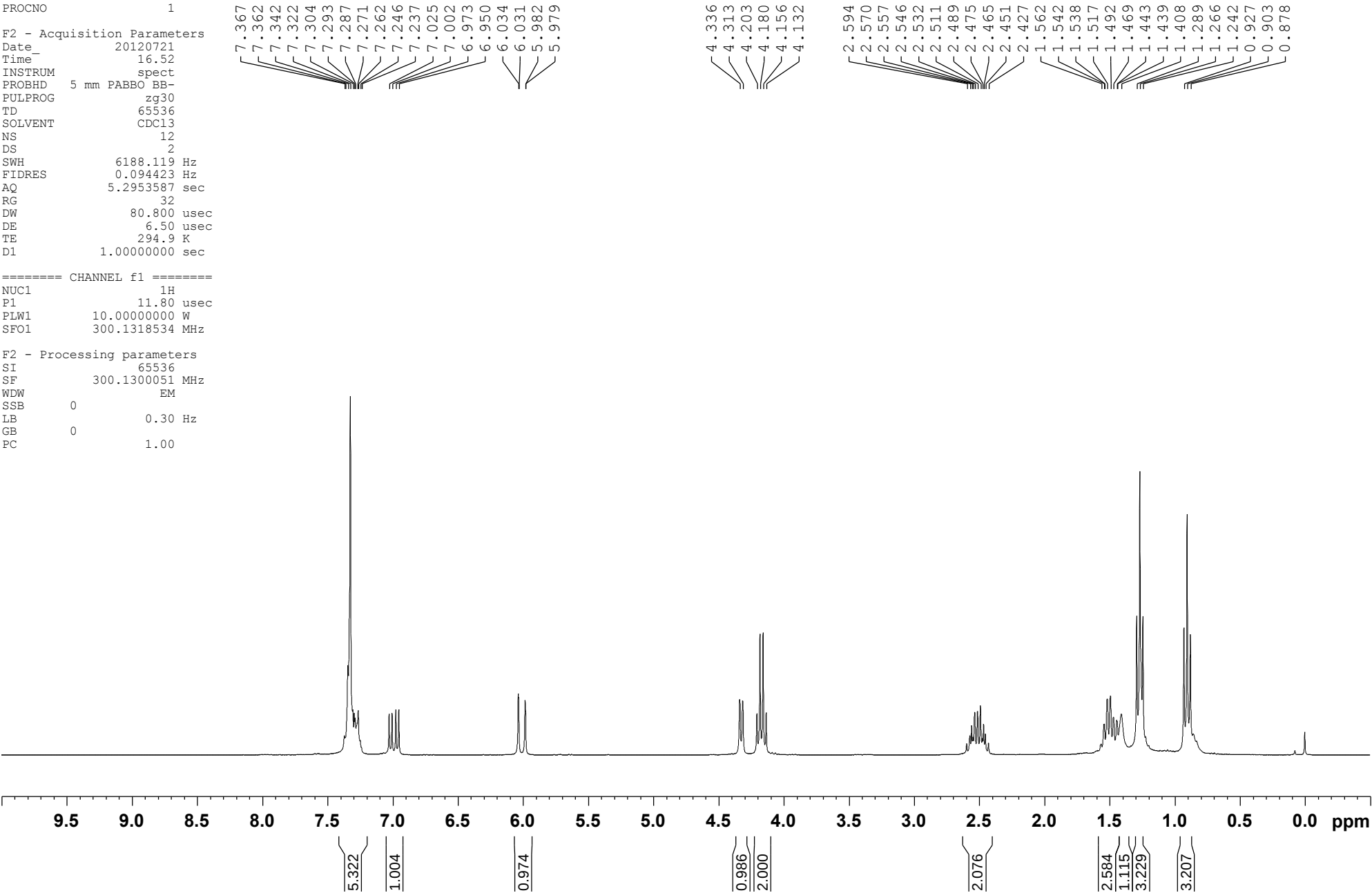
¹H NMR (E)-Ethyl 4-(Propylamino)-4-phenylbut-2-enoate (2q)

Current Data Parameters
NAME LJH
EXPNO 17102
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120721
Time 16.52
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 32
DW 80.800 usec
DE 6.50 usec
TE 294.9 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-(Propylamino)-4-phenylbut-2-enoate (2q)

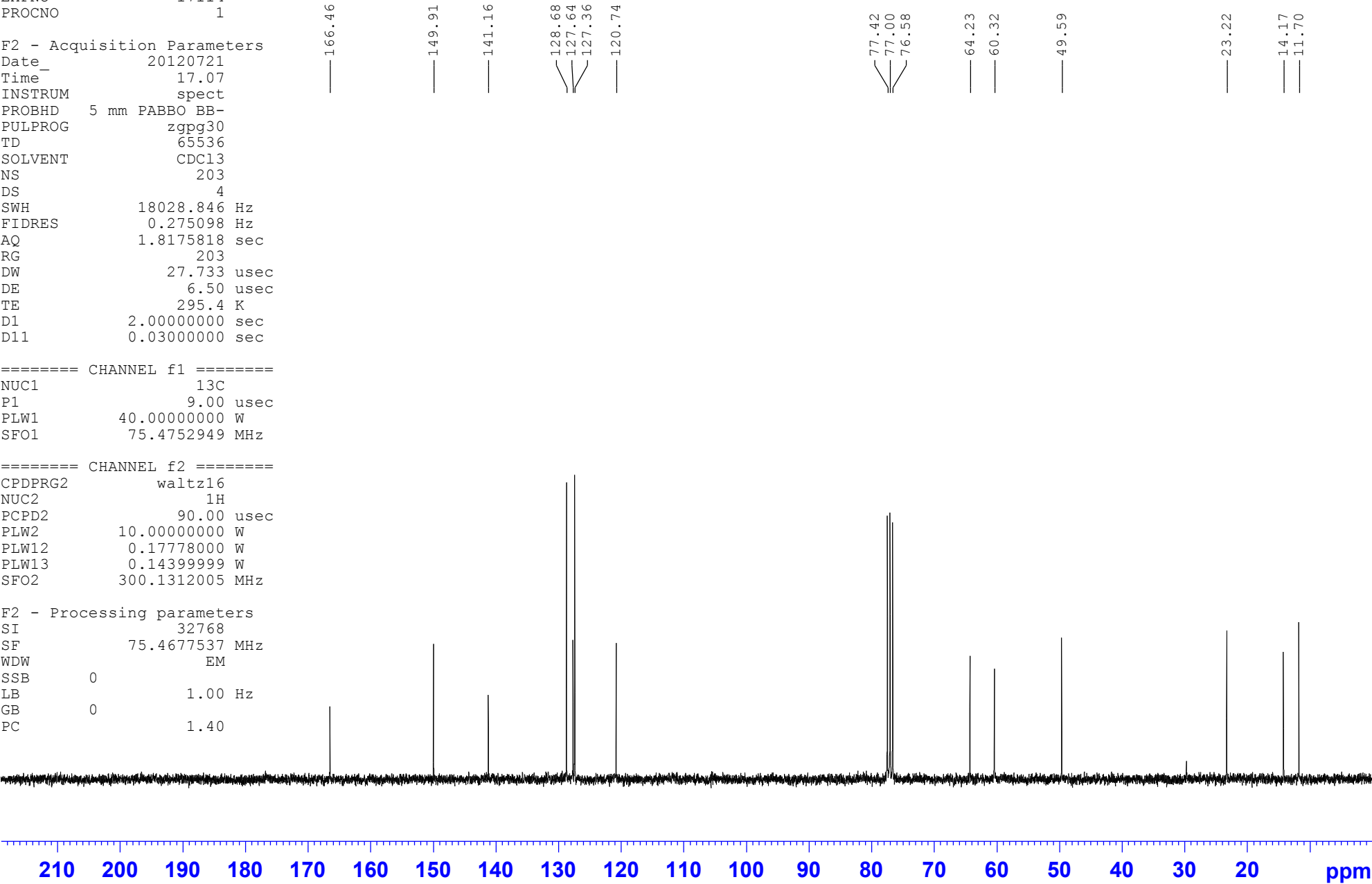
Current Data Parameters
NAME LJH
EXPNO 171114
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120721
Time_ 17.07
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 203
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 295.4 K
D1 2.00000000 sec
D11 0.03000000 sec

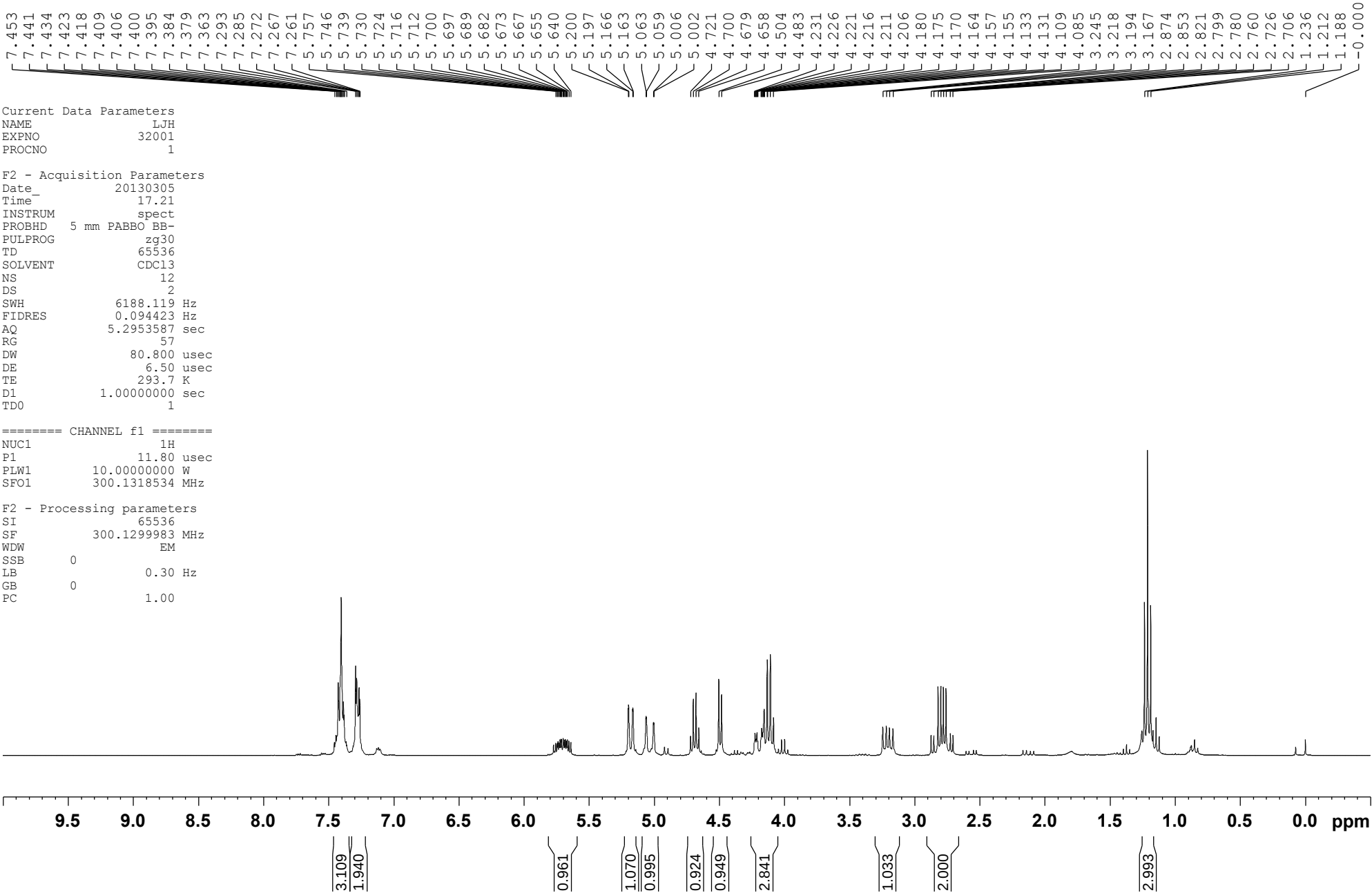
===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677537 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



¹H NMR **trans-Ethyl 2-(3-Allyl-2-oxo-5-phenyloxazolidin-4-yl)acetate (3a)**



COSY trans-Ethyl 2-(3-Allyl-2-oxo-5-phenyloxazolidin-4-yl)acetate (3a)

Current Data Parameters
NAME LJH
EXPNO 32002
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130305
Time_ 17.46
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG cosygpppqf
TD 2048
SOLVENT CDCl3
NS 1
DS 8
SWH 2221.564 Hz
FIDRES 1.084748 Hz
AQ 0.4609865 sec
RG 64
DW 225.067 usec
DE 6.50 usec
TE 293.7 K
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00045015 sec

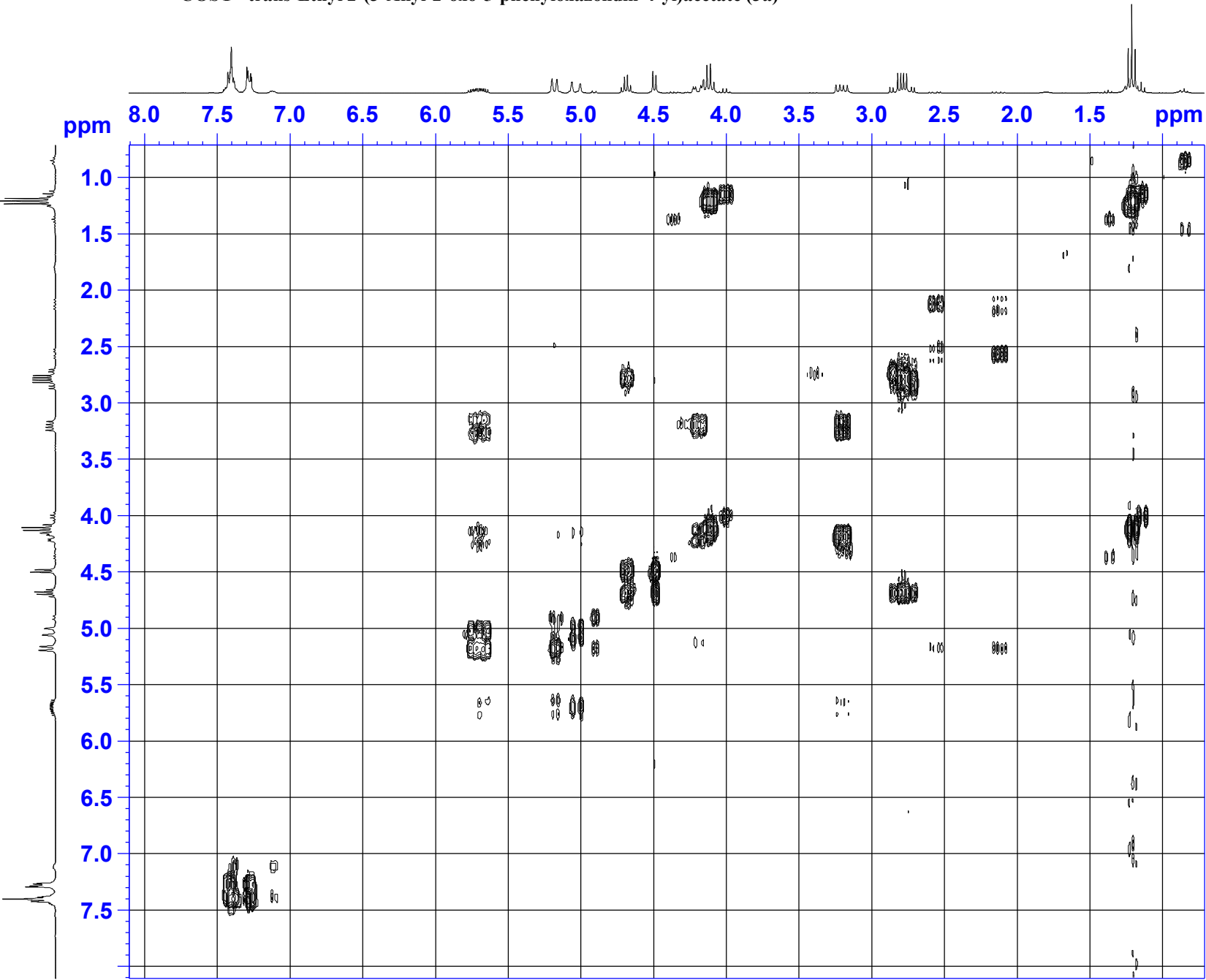
===== CHANNEL f1 =====
NUC1 1H
P0 11.80 usec
P1 11.80 usec
P17 2500.00 usec
PLW1 10.00000000 W
PLW10 2.05979991 W
SFO1 300.1313206 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GPZ1 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 300.1313 MHz
FIDRES 17.356060 Hz
SW 7.402 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 300.1299983 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 300.1299983 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0



¹³C NMR trans-Ethyl 2-(3-Allyl-2-oxo-5-phenyloxazolidin-4-yl)acetate (3a)

Current Data Parameters

NAME LJH
EXPNO 32013
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130305
Time_ 17.26
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 184
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 293.9 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

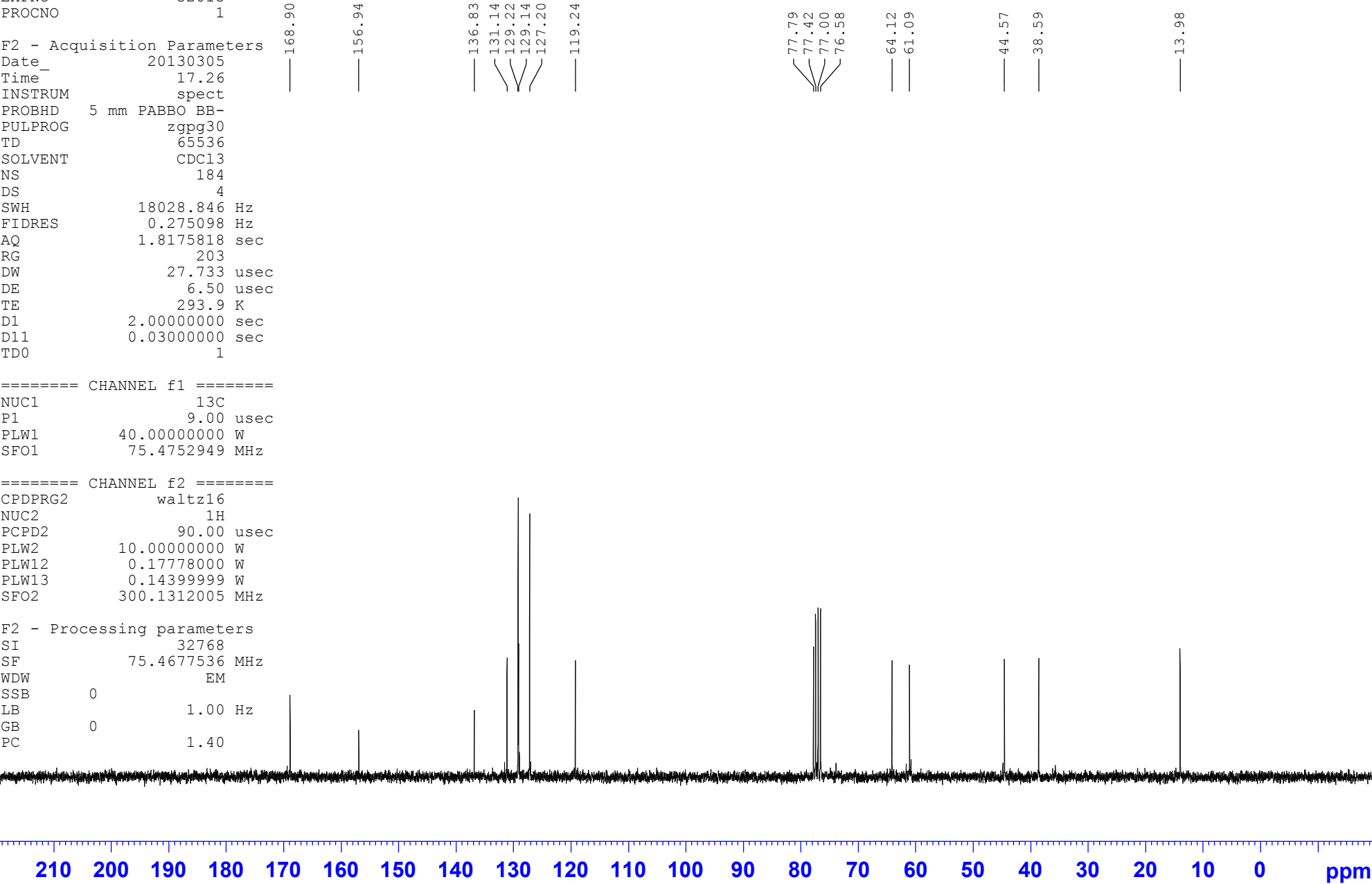
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677536 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



DEPT-135 trans-Ethyl 2-(3-Allyl-2-oxo-5-phenyloxazolidin-4-yl)acetate (3a)

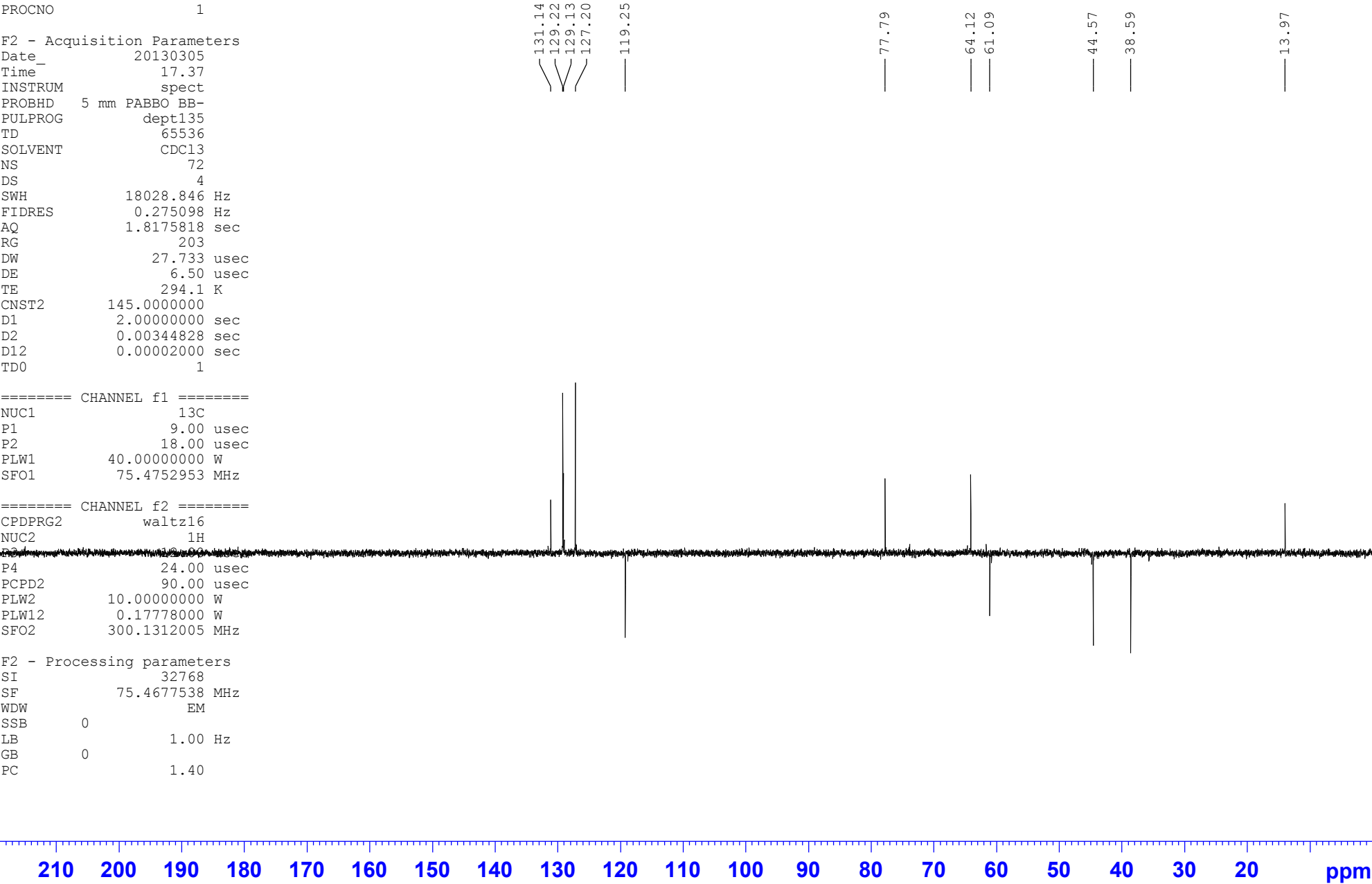
Current Data Parameters
NAME LJH
EXPNO 320135
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130305
Time_ 17.37
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG dept135
TD 65536
SOLVENT CDC13
NS 72
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 294.1 K
CNST2 145.0000000
D1 2.00000000 sec
D2 0.00344828 sec
D12 0.00002000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
P2 18.00 usec
PLW1 40.00000000 W
SFO1 75.4752953 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P3 12.00 usec
P4 24.00 usec
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677538 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



DEPT-90 trans-Ethyl 2-(3-Allyl-2-oxo-5-phenyloxazolidin-4-yl)acetate (3a)

Current Data Parameters
NAME LJH
EXPNO 32090
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130305
Time 17.42
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG dept90
TD 65536
SOLVENT CDC13
NS 92
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 293.8 K
CNST2 145.0000000
D1 2.00000000 sec
D2 0.00344828 sec
D12 0.00002000 sec
TD0 1

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

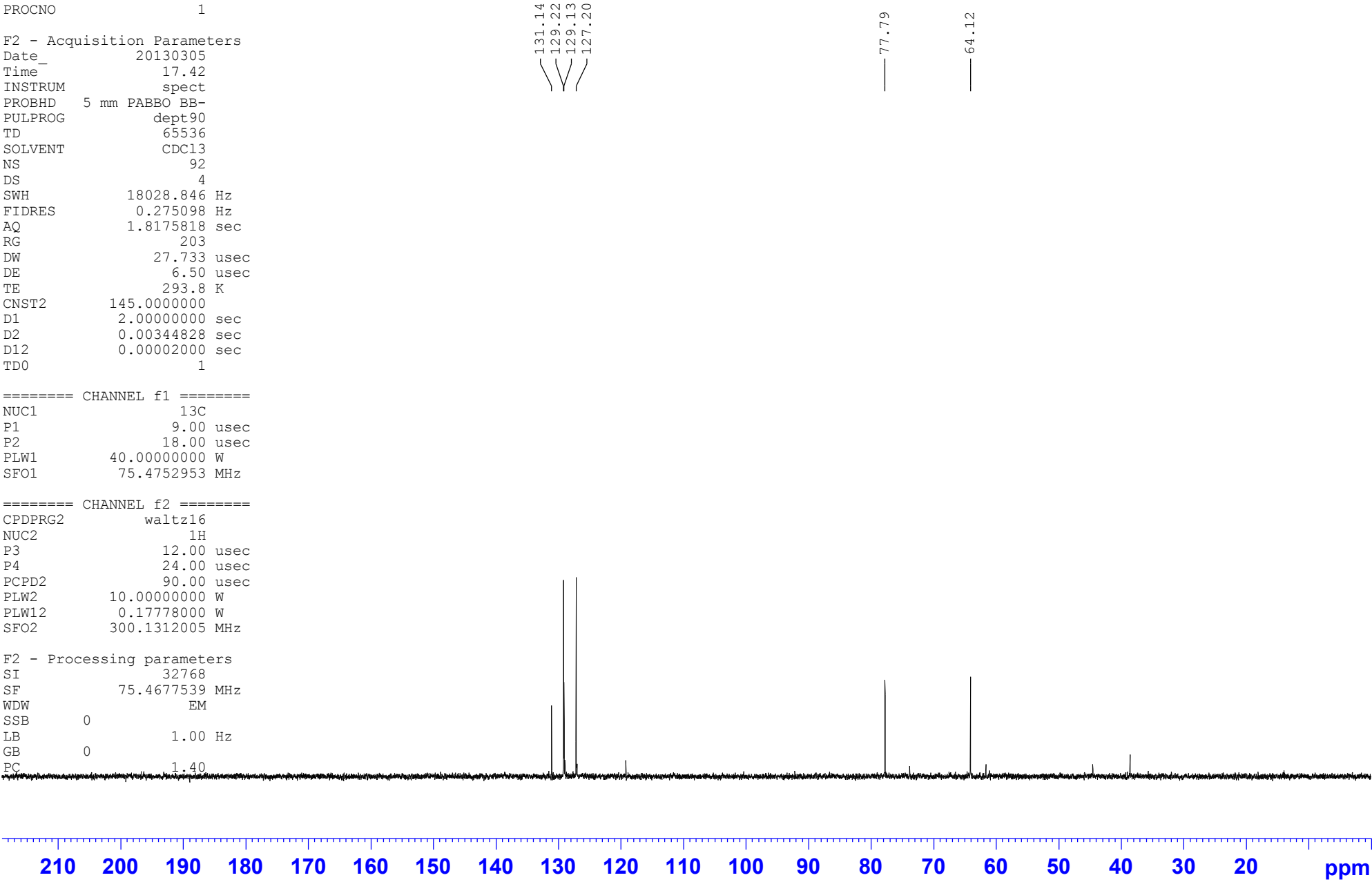
NUC1 13C
P1 9.00 usec
P2 18.00 usec
PLW1 40.00000000 W
SFO1 75.4752953 MHz

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

CPDPRG2 waltz16
NUC2 1H
P3 12.00 usec
P4 24.00 usec
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677539 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



HSQC trans-Ethyl 2-(3-Allyl-2-oxo-5-phenyloxazolidin-4-yl)acetate (3a)

Current Data Parameters
NAME LJH
EXPNO 32003
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130305
Time 17.53
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG hsqcedetgpg
TD 1024
SOLVENT CDCl3
NS 2
DS 16
SWH 2221.564 Hz
FIDRES 2.169496 Hz
AQ 0.2305183 sec
RG 203
DW 225.067 usec
DE 6.50 usec
TE 293.5 K
CNST2 145.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
D21 0.00345000 sec
IN0 0.00003680 sec
ZGPTNS

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
P2 23.60 usec
P28 1000.00 usec
PLW1 10.00000000 W
SFO1 300.1312906 MHz

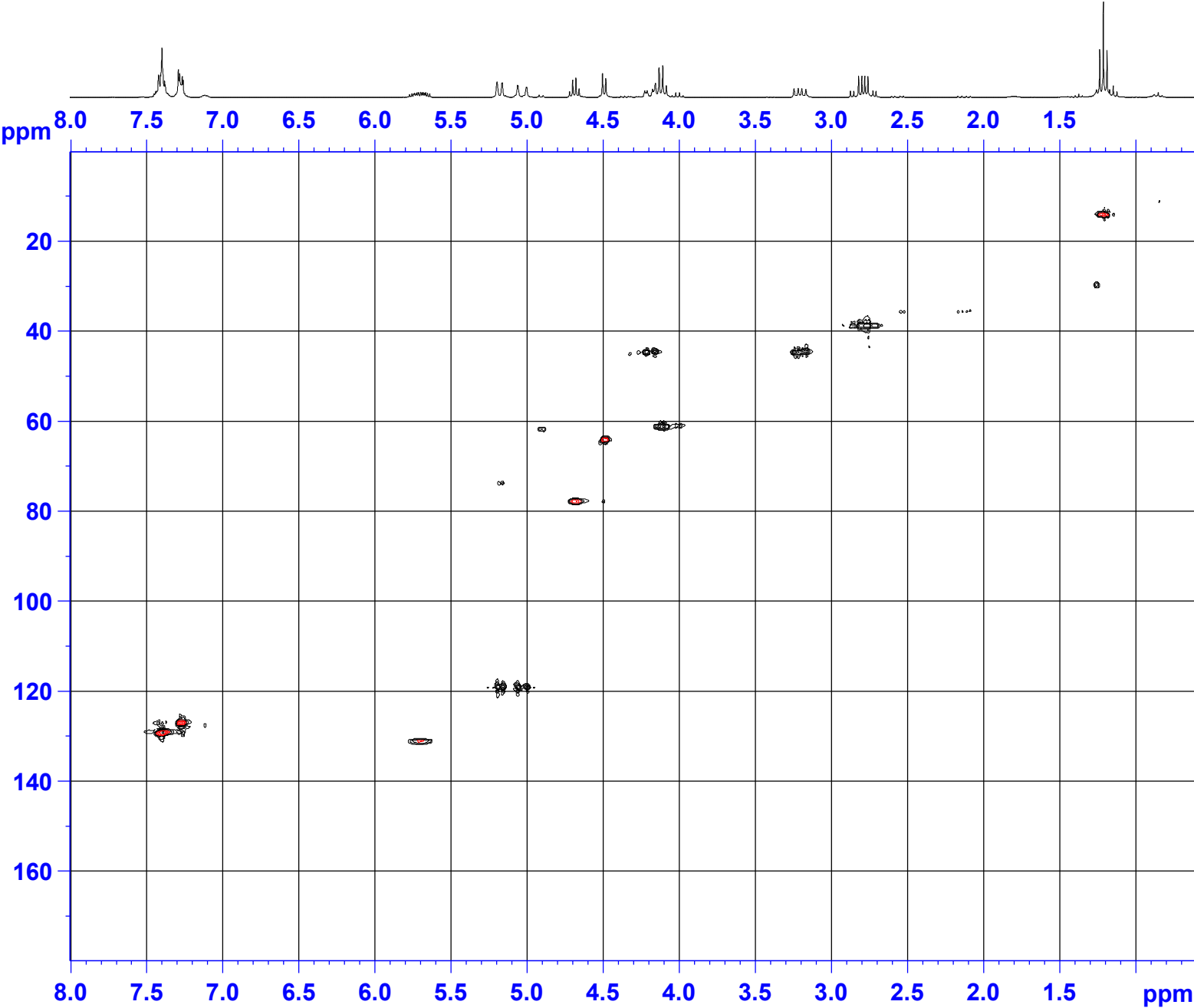
===== CHANNEL f2 =====
CPDPRG2 garp
NUC2 13C
P3 9.00 usec
P4 18.00 usec
PCPD2 80.00 usec
PLW2 39.99399948 W
PLW12 0.50617999 W
SFO2 75.4745411 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GPNAM2 SMSQ10.100
GPZ1 80.00 %
GPZ2 20.10 %
PL6 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 75.47454 MHz
FIDRES 53.067219 Hz
SW 179.997 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 300.1299983 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 75.4677536 MHz
WDW
SSB 2
LB 0 Hz
GB 0



NOESY trans-Ethyl 2-(3-Allyl-2-oxo-5-phenyloxazolidin-4-yl)acetate (3a)

Current Data Parameters
NAME LJH
EXPNO 32006
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130305
Time_ 20.45
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG noesygpph
TD 2048
SOLVENT CDCl3
NS 4
DS 32
SWH 2221.564 Hz
FIDRES 1.084748 Hz
AQ 0.4609865 sec
RG 57
DW 225.067 usec
DE 6.50 usec
TE 293.6 K
D0 0.00021004 sec
D1 2.00000000 sec
D8 0.50000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D16 0.00020000 sec
IN0 0.00045015 sec

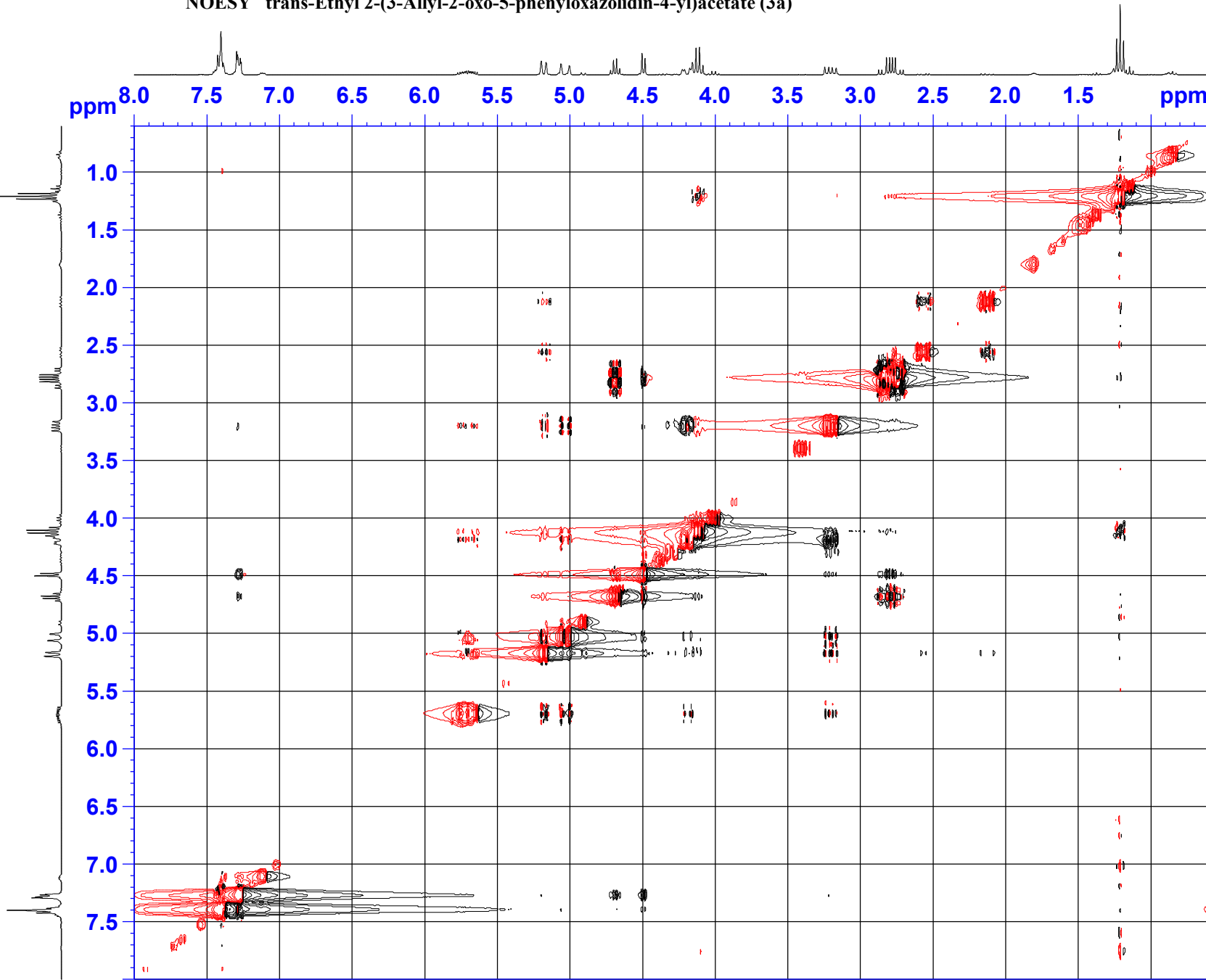
===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
P2 23.60 usec
P17 2500.00 usec
PLW1 10.00000000 W
PLW10 2.05979991 W
SFO1 300.1312906 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GPZ1 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 300.1313 MHz
FIDRES 8.678018 Hz
SW 7.402 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 300.1300000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 300.1300000 MHz
WDW
SSB 2
LB 0 Hz
GB 0



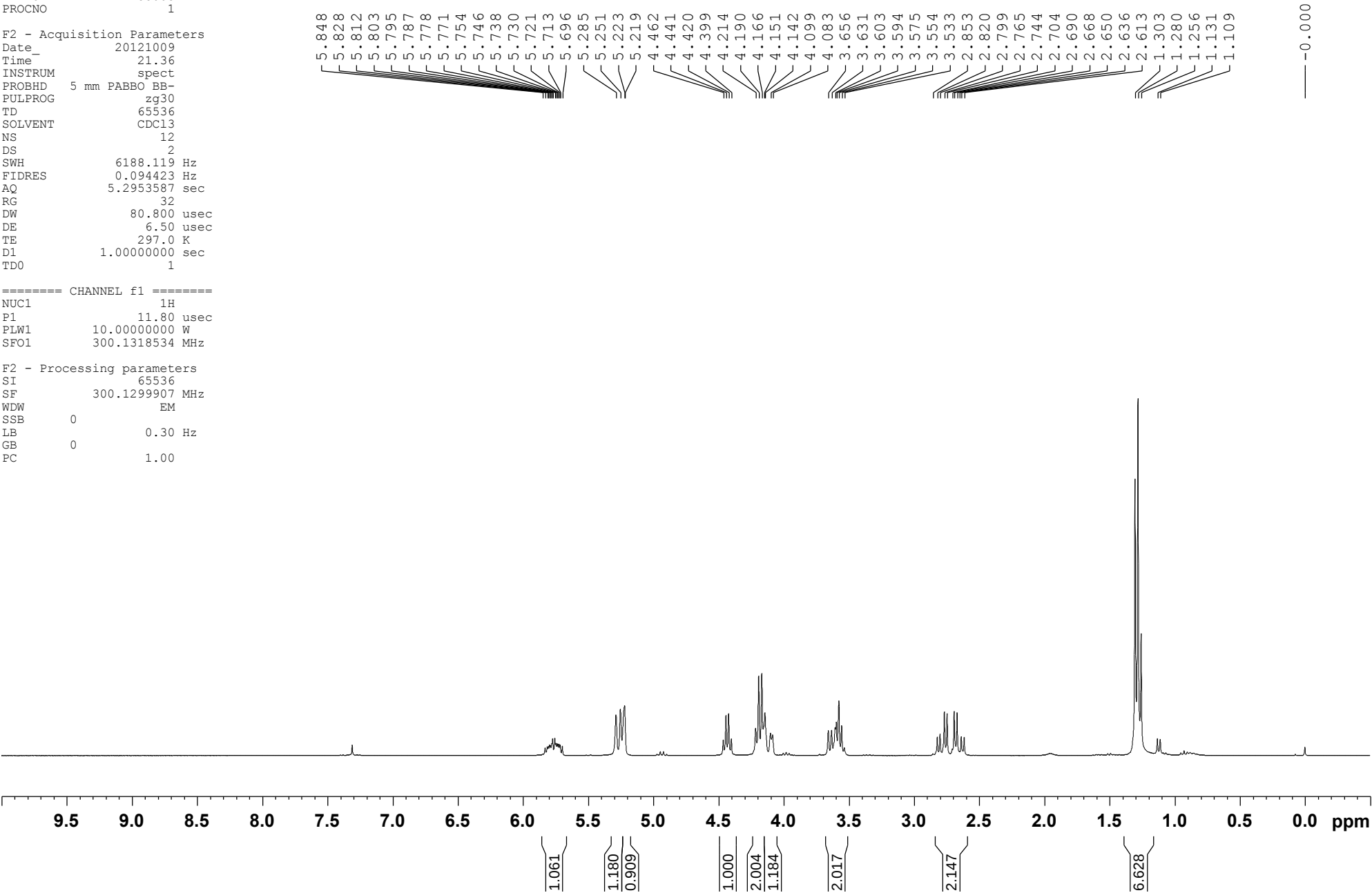
¹H NMR trans-Ethyl 2-(3-Allyl-5-methyl-2-oxooxazolidin-4-yl)acetate (3b)

Current Data Parameters
NAME LJHC
EXPNO 33003
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121009
Time 21.36
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 32
DW 80.800 usec
DE 6.50 usec
TE 297.0 K
D1 1.00000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1299907 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



COSY trans-Ethyl 2-(3-Allyl-5-methyl-2-oxooxazolidin-4-yl)acetate (3b)

Current Data Parameters
NAME LJHC
EXPNO 33008
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130117
Time_ 13.39
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG cosygpppqf
TD 2048
SOLVENT CDCl3
NS 2
DS 8
SWH 1802.451 Hz
FIDRES 0.880103 Hz
AQ 0.5681652 sec
RG 64
DW 277.400 usec
DE 6.50 usec
TE 296.0 K
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00055485 sec

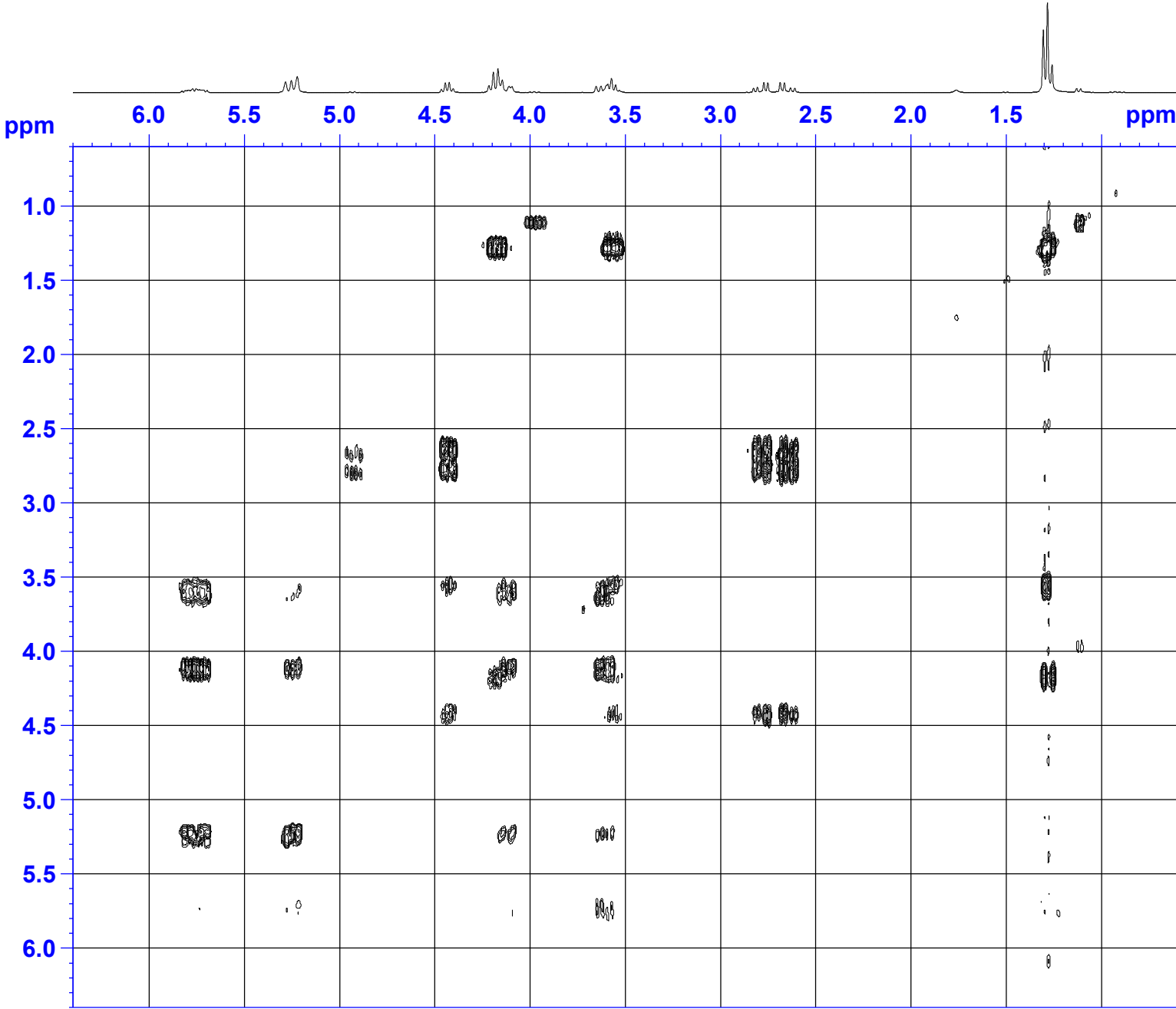
===== CHANNEL f1 =====
NUC1 1H
P0 11.80 usec
P1 11.80 usec
P17 2500.00 usec
PLW1 10.00000000 W
PLW10 2.05979991 W
SFO1 300.1310505 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GPZ1 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 300.1311 MHz
FIDRES 14.080402 Hz
SW 6.005 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 300.1300000 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 300.1300000 MHz
WDW
SSB 0
LB 0 Hz
GB 0



¹³C NMR **trans-Ethyl 2-(3-Allyl-5-methyl-2-oxooxazolidin-4-yl)acetate (3b)**

Current Data Parameters

NAME LJHC
EXPNO 33014
PROCNO 1

F2 - Acquisition Parameters

Date_ 20121009
Time_ 21.44
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 120
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

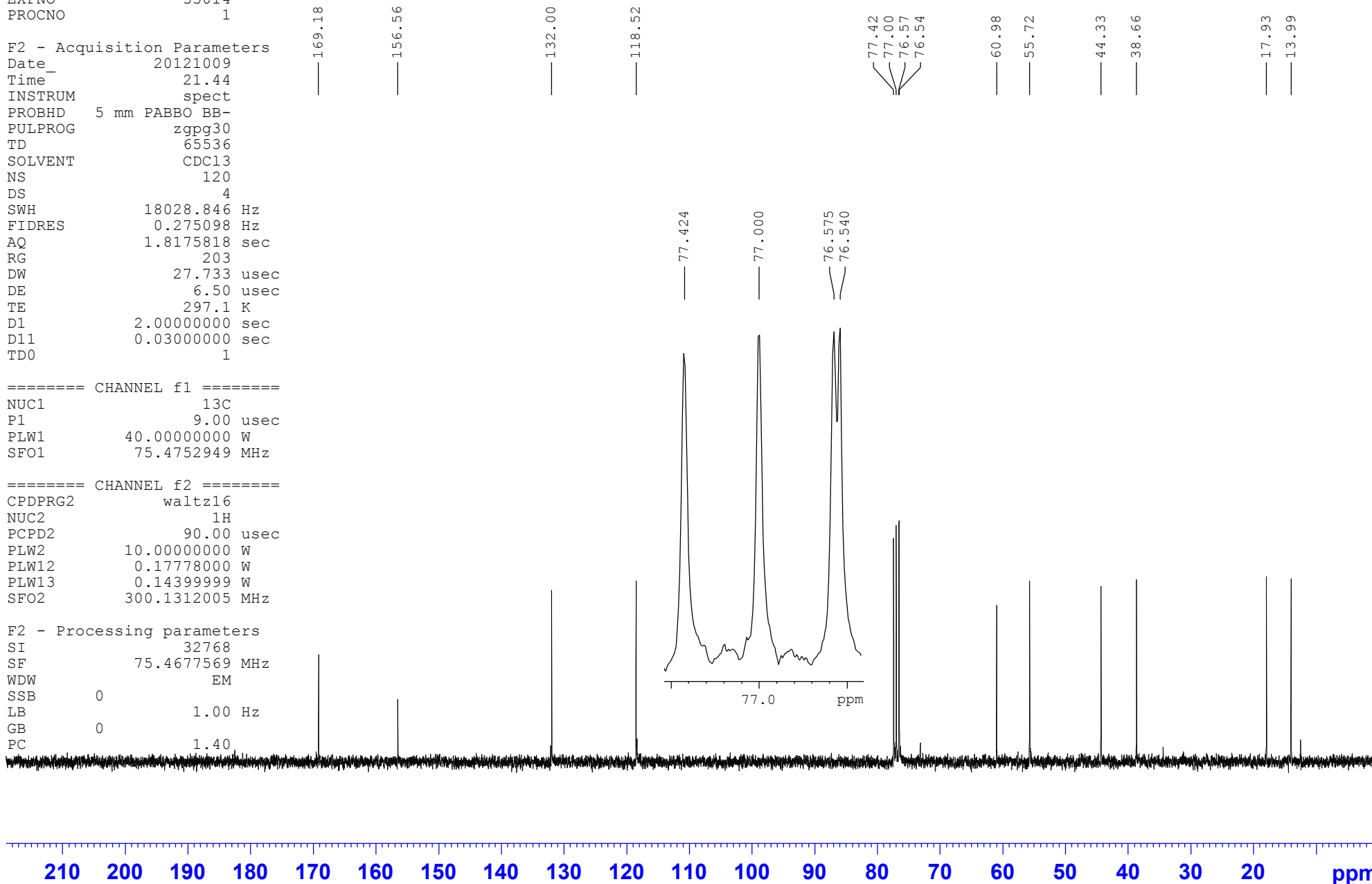
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677569 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



NOESY trans-Ethyl 2-(3-Allyl-5-methyl-2-oxooxazolidin-4-yl)acetate (3b)

Current Data Parameters
NAME LJH
EXPNO 330002
PROCNO 3

F2 - Acquisition Parameters
Date_ 20130118
Time_ 16.04
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG noesygpph
TD 2048
SOLVENT CDCl3
NS 6
DS 32
SWH 1802.451 Hz
FIDRES 0.880103 Hz
AQ 0.5681652 sec
RG 114
DW 277.400 usec
DE 6.50 usec
TE 296.6 K
D0 0.00026238 sec
D1 2.00000000 sec
D8 0.50000000 sec
D11 0.03000000 sec
D12 0.00020000 sec
D16 0.00020000 sec
IN0 0.00055480 sec

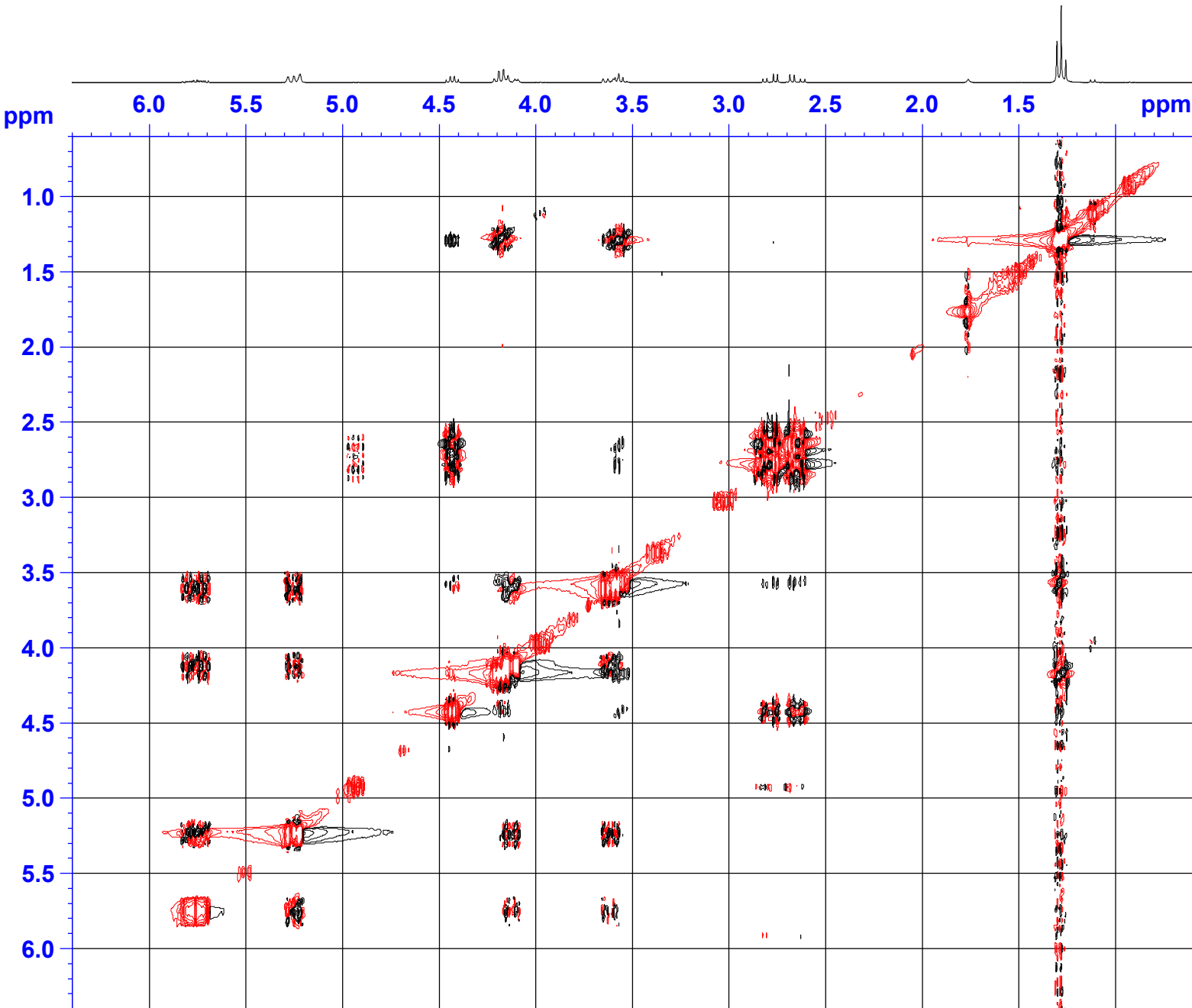
===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
P2 23.60 usec
P17 2500.00 usec
PLW1 10.00000000 W
PLW10 2.05979991 W
SFO1 300.1310505 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GP21 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 300.1311 MHz
FIDRES 7.040777 Hz
SW 6.006 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 300.1299990 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 300.1299990 MHz
WDW
SSB 2
LB 0 Hz
GB 0

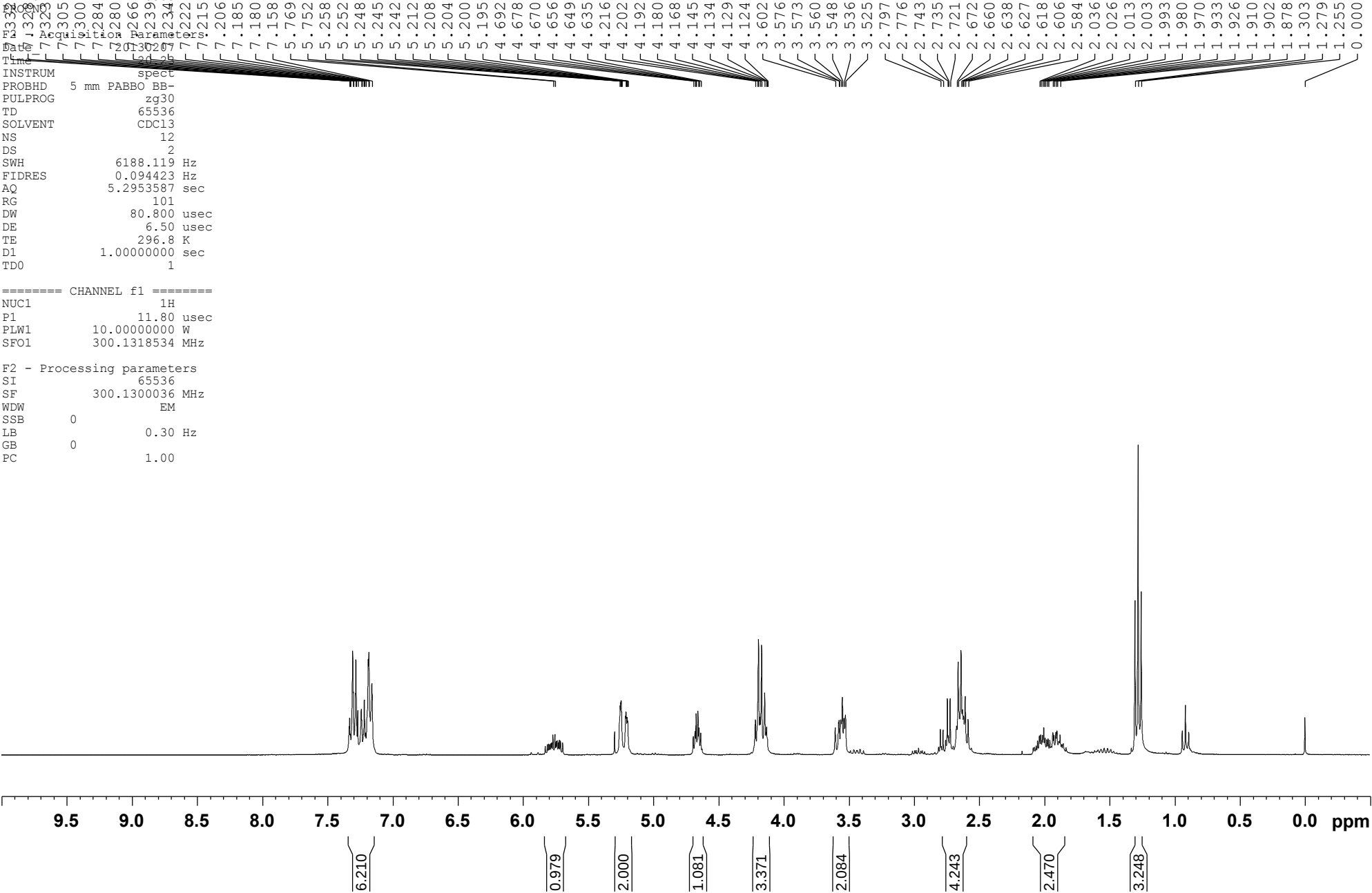


¹H NMR trans-Ethyl 2-(3-Allyl-2-oxo-5-phenethyloxazolidin-4-yl)acetate (3c)

Current Data Parameters
NAME LJHC
EXPNO 218303
PROCNO 6
F2 - Acquisition Parameters
Date_ 7-7-2013
Time 12:25
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 usec
DE 6.50 usec
TE 296.8 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300036 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



COSY trans-Ethyl 2-(3-Allyl-2-oxo-5-phenethyloxazolidin-4-yl)acetate (3c)

Current Data Parameters
NAME LJH
EXPNO 218308
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130213
Time_ 19.39
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG cosygpppqf
TD 2048
SOLVENT CDC13
NS 2
DS 8
SWH 2281.022 Hz
FIDRES 1.113780 Hz
AQ 0.4489716 sec
RG 64
DW 219.200 usec
DE 6.50 usec
TE 297.6 K
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00043840 sec

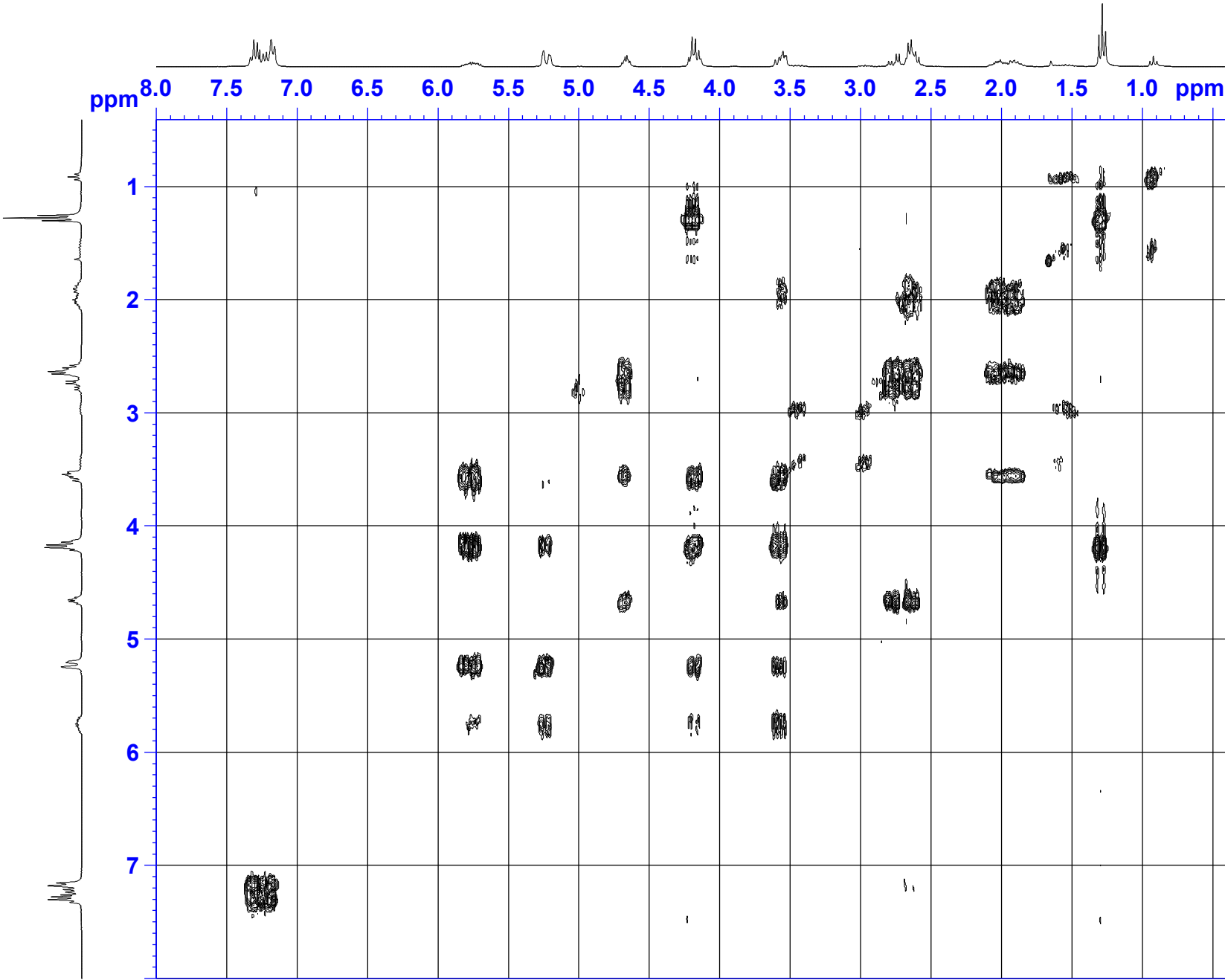
===== CHANNEL f1 =====
NUC1 1H
P0 11.80 usec
P1 11.80 usec
P17 2500.00 usec
PLW1 10.00000000 W
PLW10 2.05979991 W
SFO1 300.1312605 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GPZ1 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 300.1313 MHz
FIDRES 17.820560 Hz
SW 7.600 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 300.1300000 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 300.1300000 MHz
WDW SIN
SSB 0
LB 0 Hz
GB 0



¹³C NMR trans-Ethyl 2-(3-Allyl-2-oxo-5-phenethyloxazolidin-4-yl)acetate (3c)

Current Data Parameters

NAME LJH
EXPNO 18314
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130213
Time_ 15.48
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 200
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 296.9 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

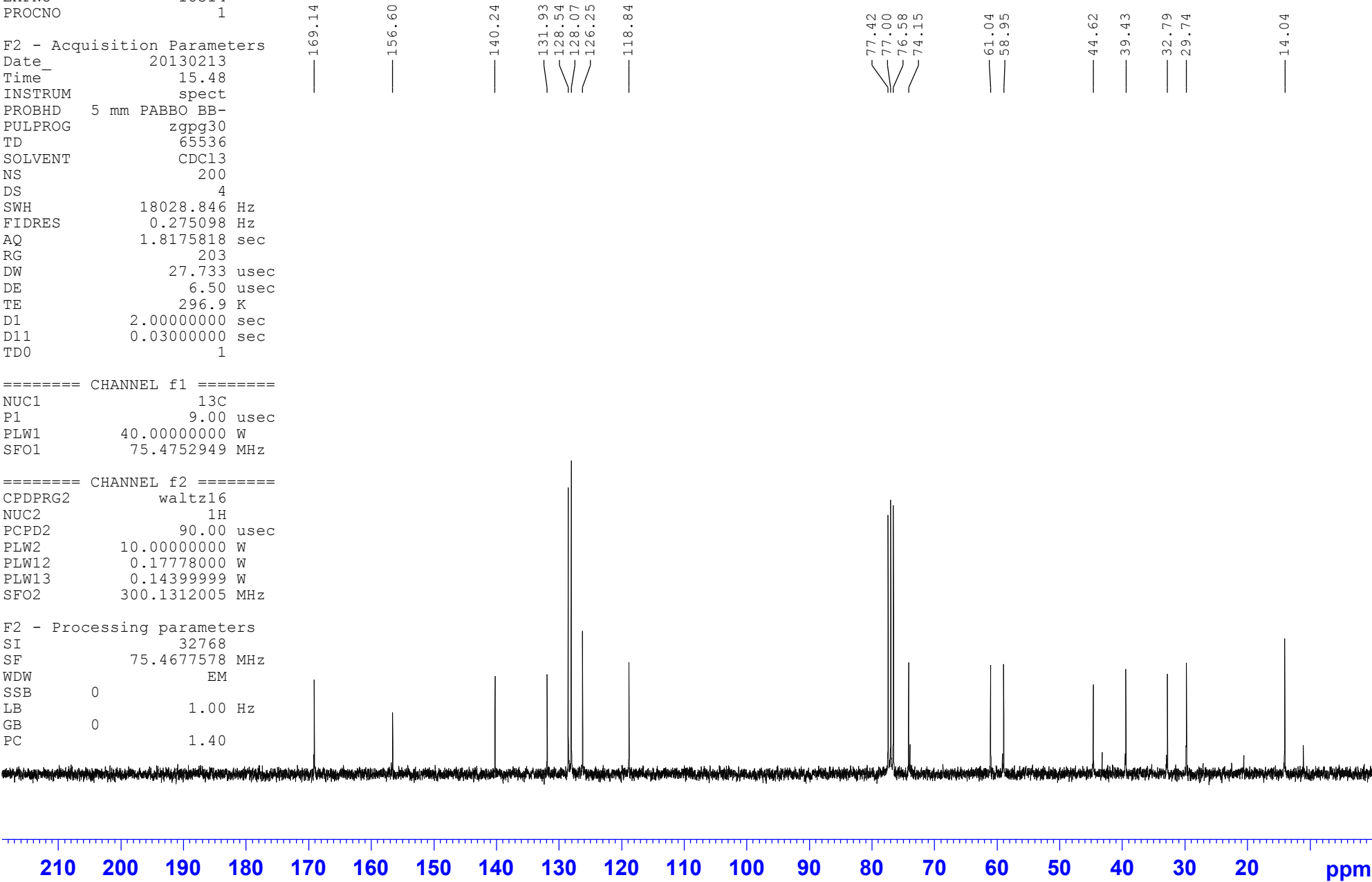
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677578 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



NOESY trans-Ethyl 2-(3-Allyl-2-oxo-5-phenethyloxazolidin-4-yl)acetate (3c)

Current Data Parameters
NAME LJH
EXPNO 218304
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130207
Time_ 20.29
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG noesygpph
TD 2048
SOLVENT CDCl3
NS 4
DS 32
SWH 2281.022 Hz
FIDRES 1.113780 Hz
AQ 0.4489716 sec
RG 101
DW 219.200 usec
DE 6.50 usec
TE 296.7 K
D0 0.00020418 sec
D1 2.00000000 sec
D8 0.50000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D16 0.00020000 sec
IN0 0.00043840 sec

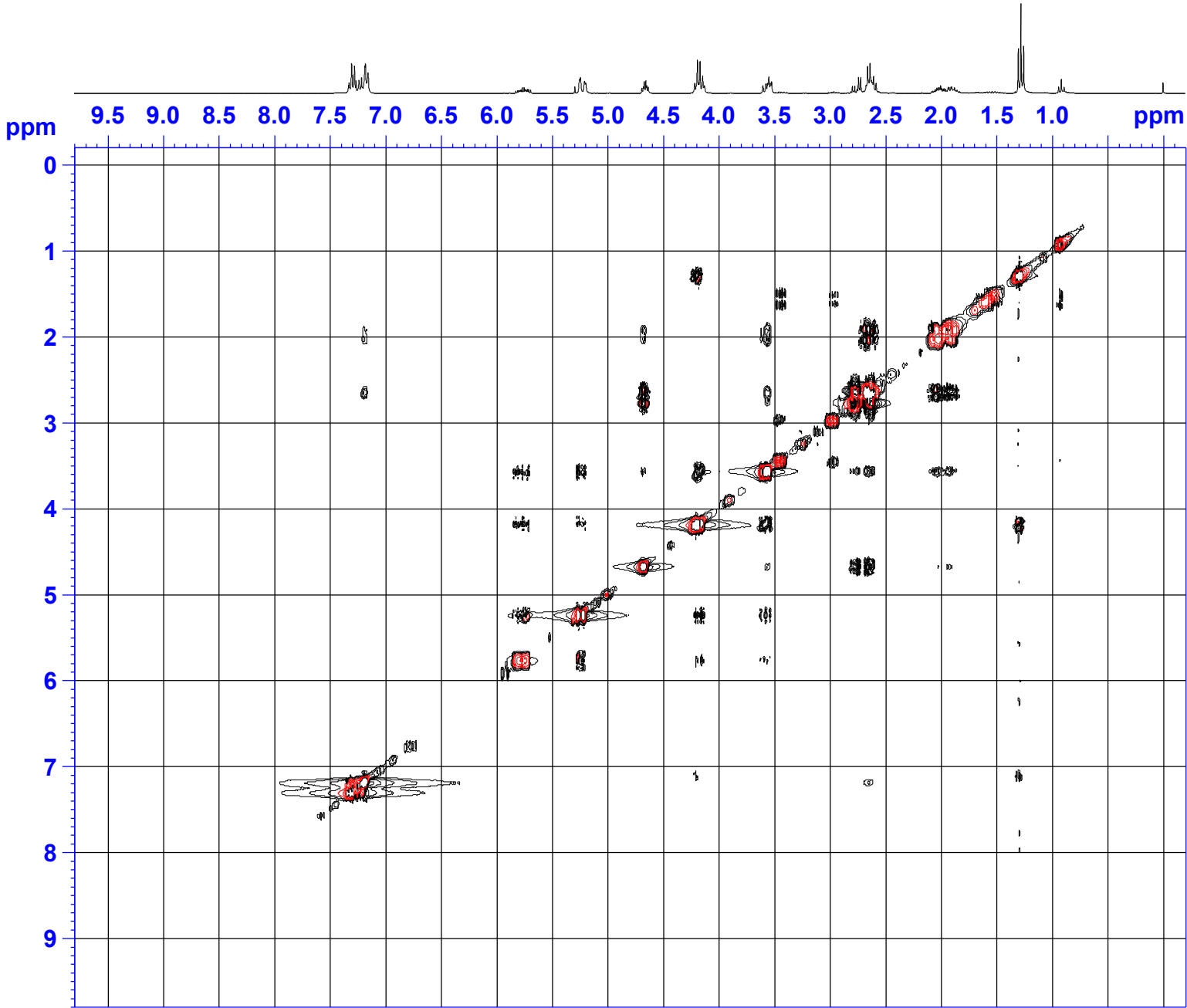
===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
P2 23.60 usec
P17 2500.00 usec
PLW1 10.00000000 W
PLW10 2.05979991 W
SFO1 300.1312605 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GPZ1 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 300.1313 MHz
FIDRES 8.910268 Hz
SW 7.600 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 300.1300000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 300.1300000 MHz
WDW
SSB 2
LB 0 Hz
GB 0



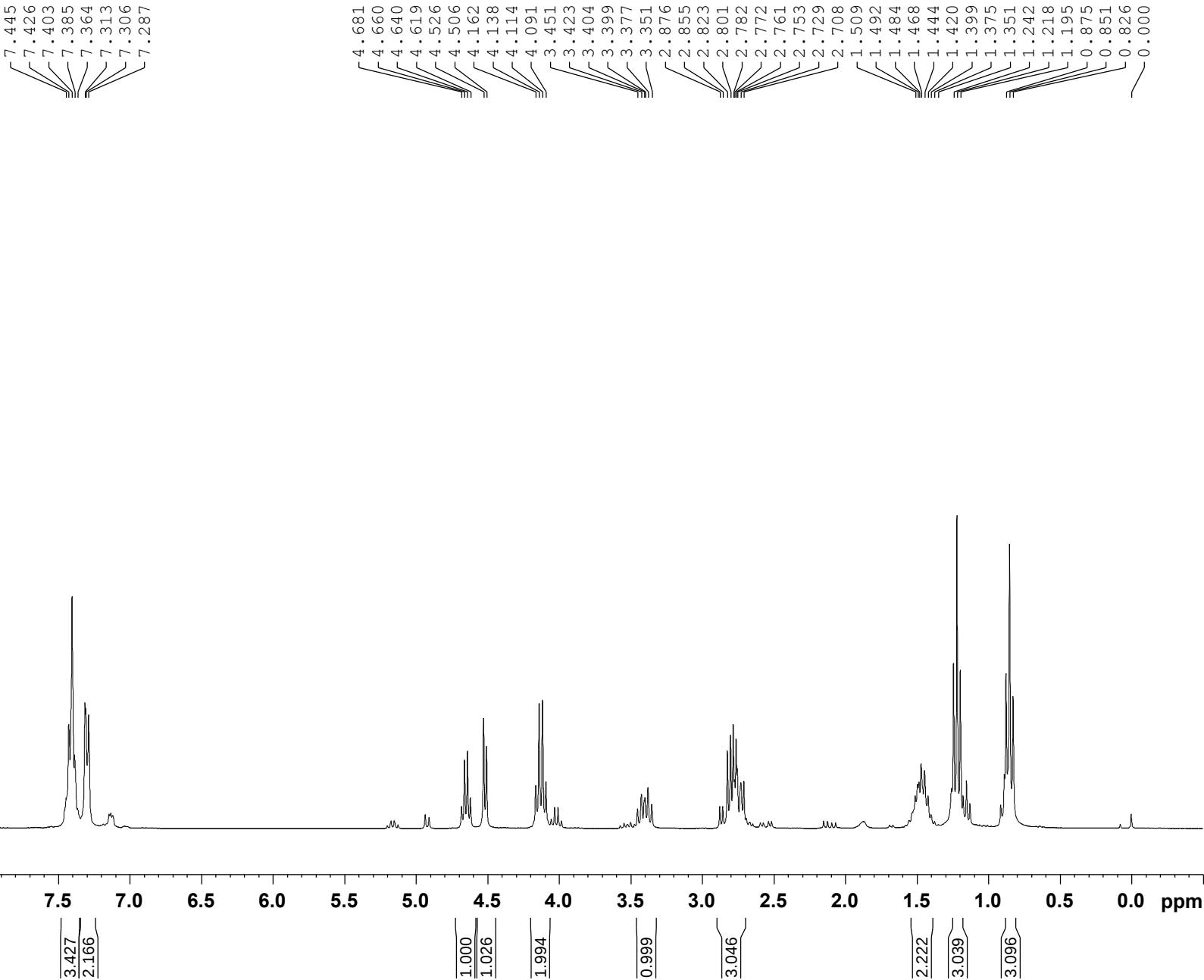
¹H NMR trans-Ethyl 2-(2-Oxo-5-phenyl-3-propyloxazolidin-4-yl)acetate (3d)

Current Data Parameters
NAME LJHC
EXPNO 217103
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130123
Time_ 21.46
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 64
DW 80.800 usec
DE 6.50 usec
TE 295.4 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1299972 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



COSY trans-Ethyl 2-(2-Oxo-5-phenyl-3-propyloxazolidin-4-yl)acetate (3d)

Current Data Parameters
NAME LJH
EXPNO 217102
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130123
Time_ 15.07
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG cosygpppqf
TD 2048
SOLVENT CDCl3
NS 1
DS 8
SWH 2281.022 Hz
FIDRES 1.113780 Hz
AQ 0.4489716 sec
RG 64
DW 219.200 usec
DE 6.50 usec
TE 296.9 K
D0 0.00000300 sec
D1 2.00000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00043840 sec

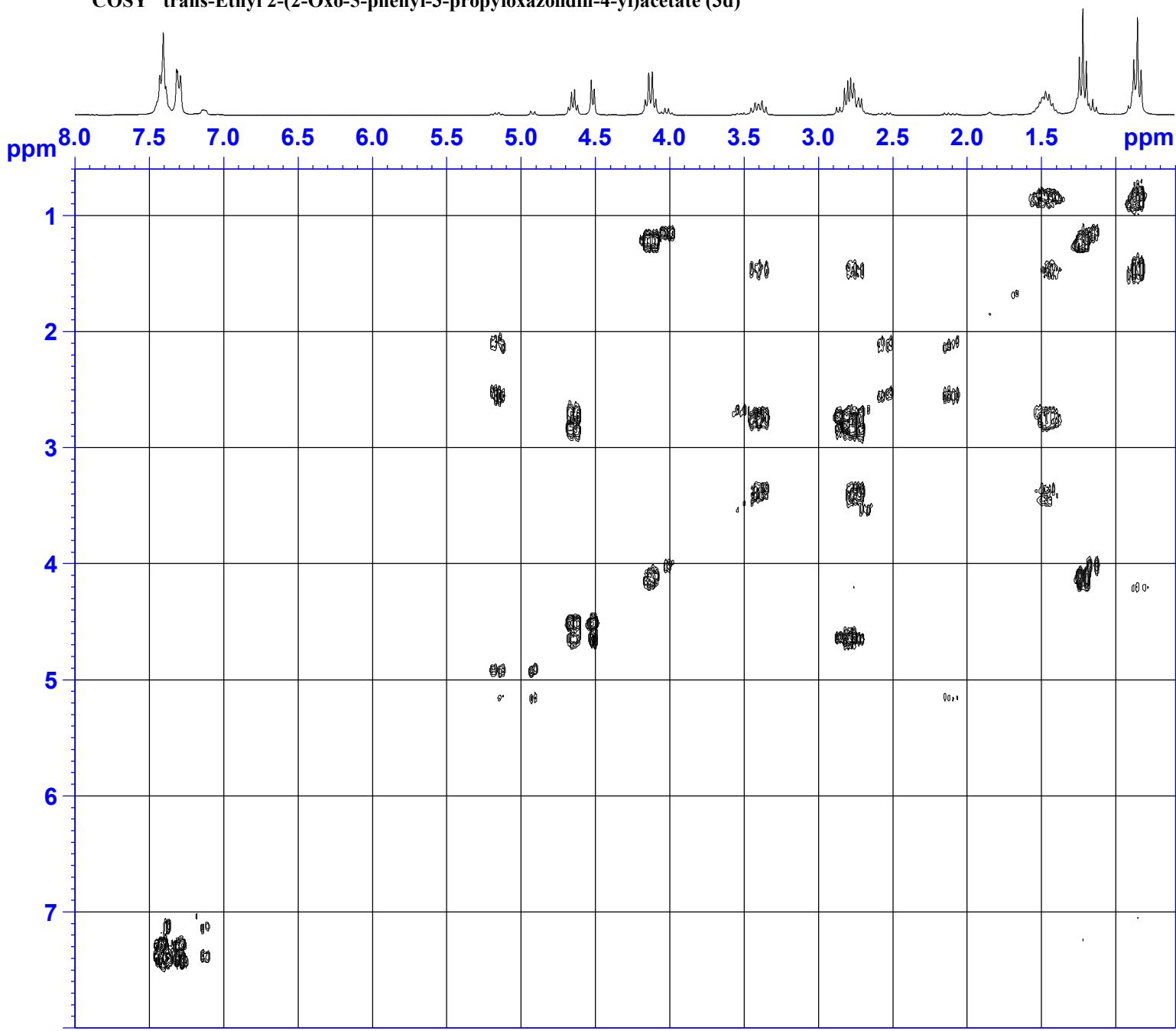
===== CHANNEL f1 =====
NUC1 1H
P0 11.80 usec
P1 11.80 usec
P17 2500.00 usec
PLW1 10.00000000 W
PLW10 2.05979991 W
SFO1 300.1312605 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GPZ1 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 300.1313 MHz
FIDRES 17.820560 Hz
SW 7.600 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 300.1299976 MHz
WDW QSINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 300.1299976 MHz
WDW SIN
SSB 0
LB 0 Hz
GB 0



¹³C NMR trans-Ethyl 2-(2-Oxo-5-phenyl-3-propyloxazolidin-4-yl)acetate (3d)

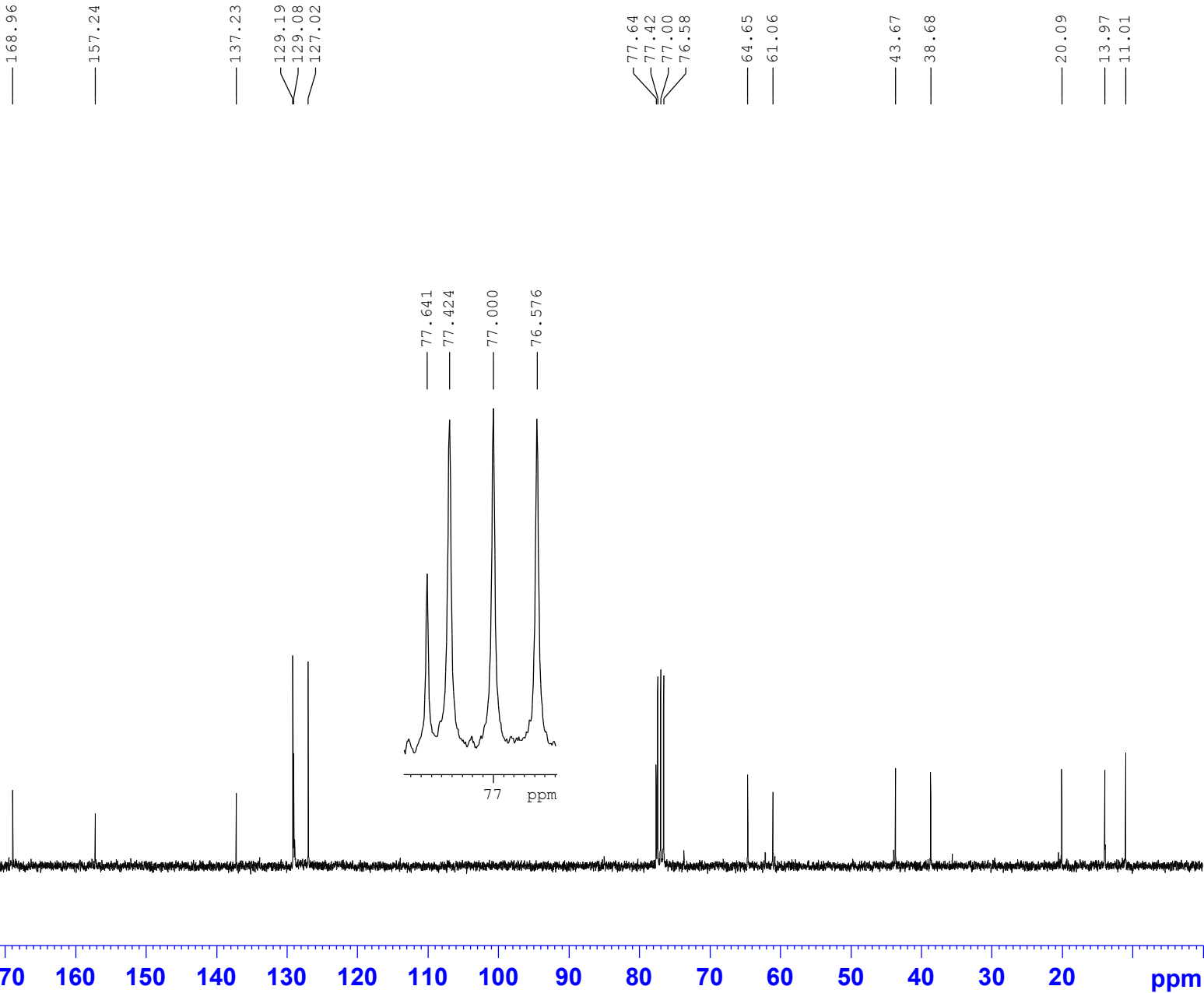
Current Data Parameters
NAME LJHC
EXPNO 217113
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130123
Time 15.16
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 220
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 296.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677550 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



NOESY trans-Ethyl 2-(2-Oxo-5-phenyl-3-propyloxazolidin-4-yl)acetate (3d)

Current Data Parameters
NAME LJHC
EXPNO 217104
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130123
Time_ 21.51
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG noesygpph
TD 2048
SOLVENT CDC13
NS 4
DS 32
SWH 2281.022 Hz
FIDRES 1.113780 Hz
AQ 0.4489716 sec
RG 456
DW 219.200 usec
DE 6.50 usec
TE 295.4 K
D0 0.00020418 sec
D1 2.00000000 sec
D8 0.50000000 sec
D11 0.03000000 sec
D12 0.00002000 sec
D16 0.00020000 sec
IN0 0.00043840 sec

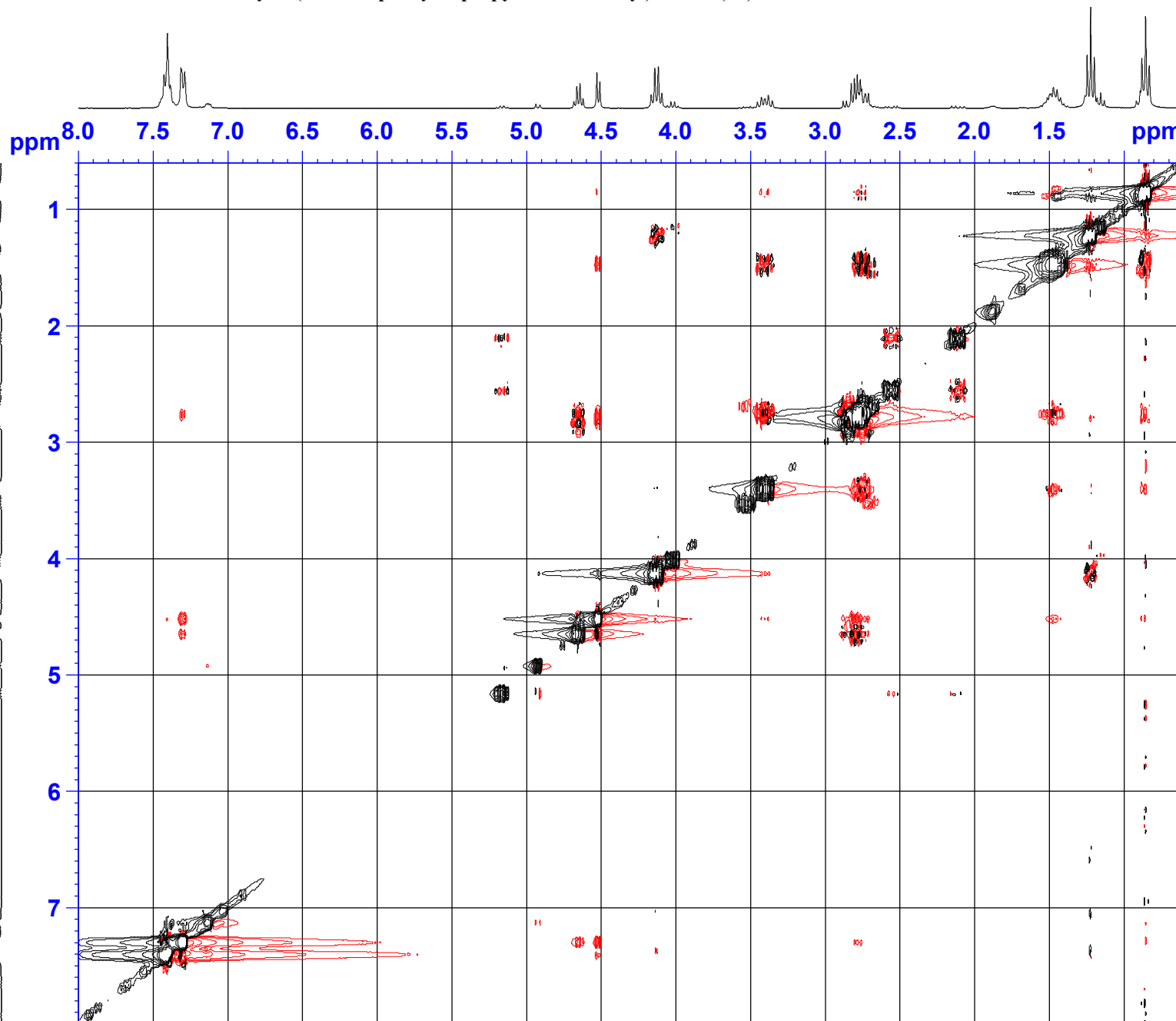
===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
P2 23.60 usec
P17 2500.00 usec
PLW1 10.00000000 W
PLW10 2.05979991 W
SFO1 300.1312605 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SMSQ10.100
GPZ1 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 300.1313 MHz
FIDRES 8.910268 Hz
SW 7.600 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 300.1299972 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 300.1299972 MHz
WDW SIN
SSB 2
LB 0 Hz
GB 0



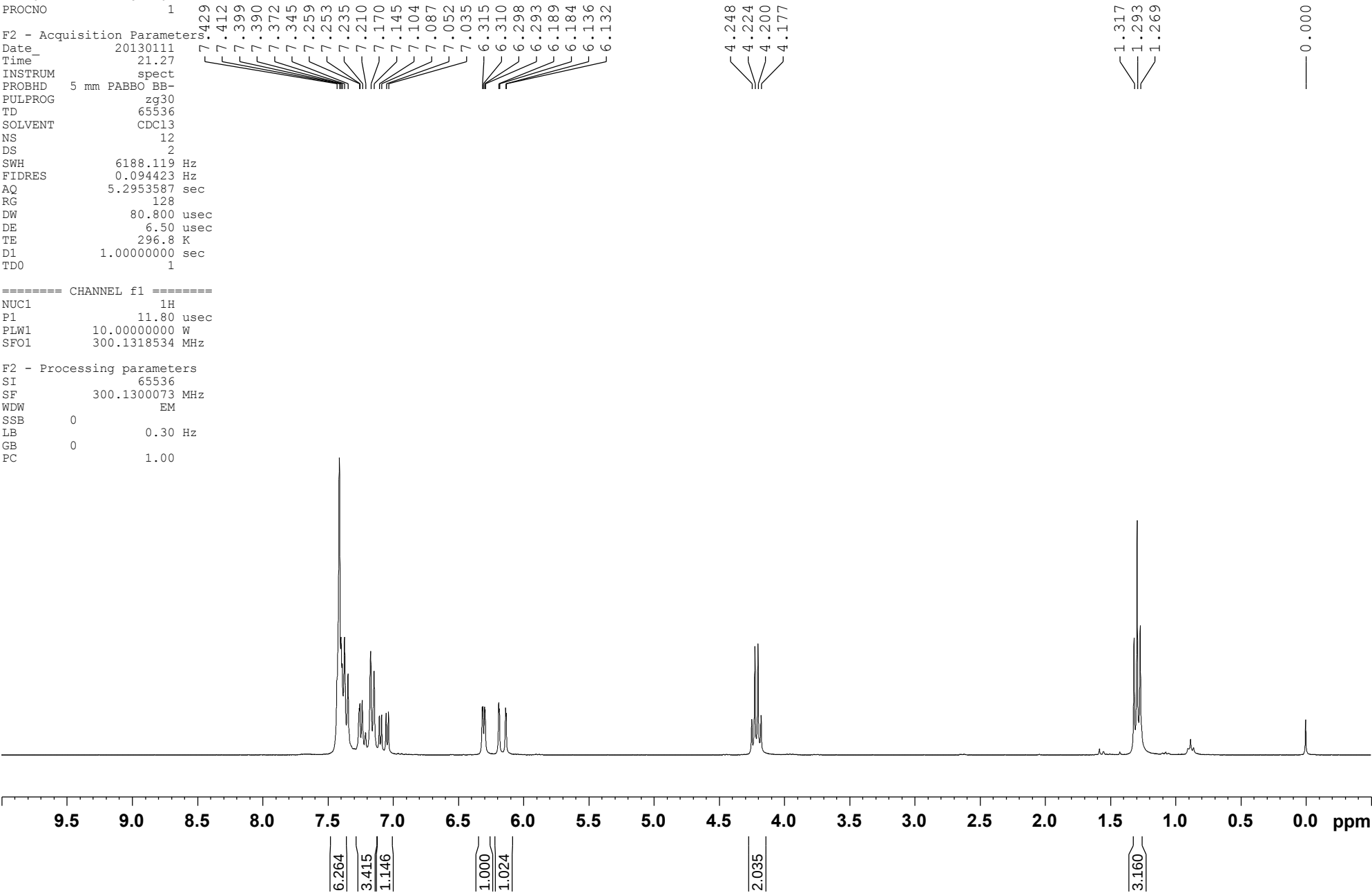
¹H NMR (E)-Ethyl 4-Phenyl-4-(phenoxy-carbonyloxy)but-2-enoate (6')

Current Data Parameters
NAME LJH
EXPNO 312102
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130111
Time 21.27
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 12
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 128
DW 80.800 usec
DE 6.50 usec
TE 296.8 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.80 usec
PLW1 10.00000000 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.1300073 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³C NMR (E)-Ethyl 4-Phenyl-4-(phenoxy-carbonyloxy)but-2-enoate (6')

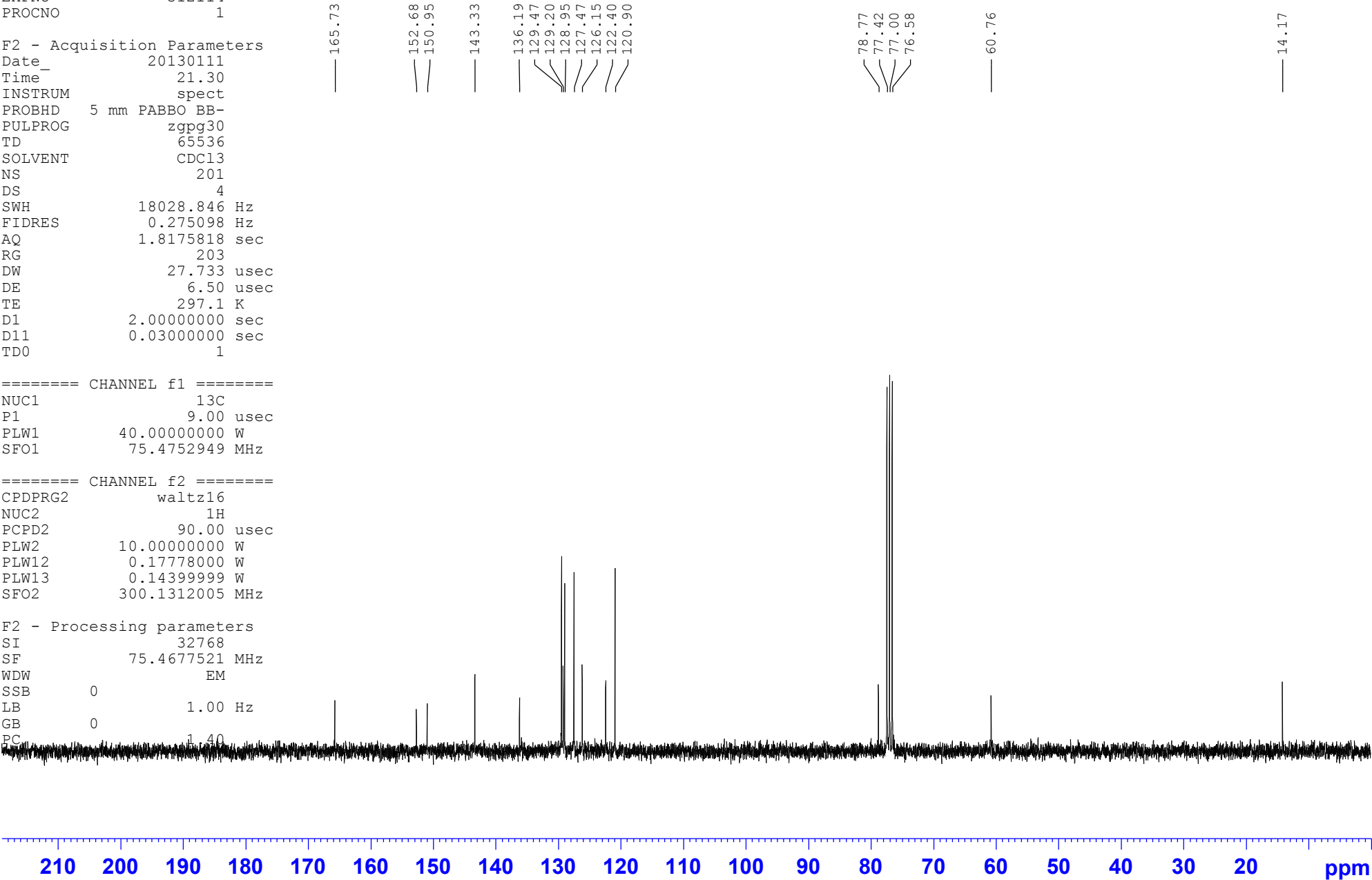
Current Data Parameters
NAME LJH
EXPNO 312114
PROCNO 1

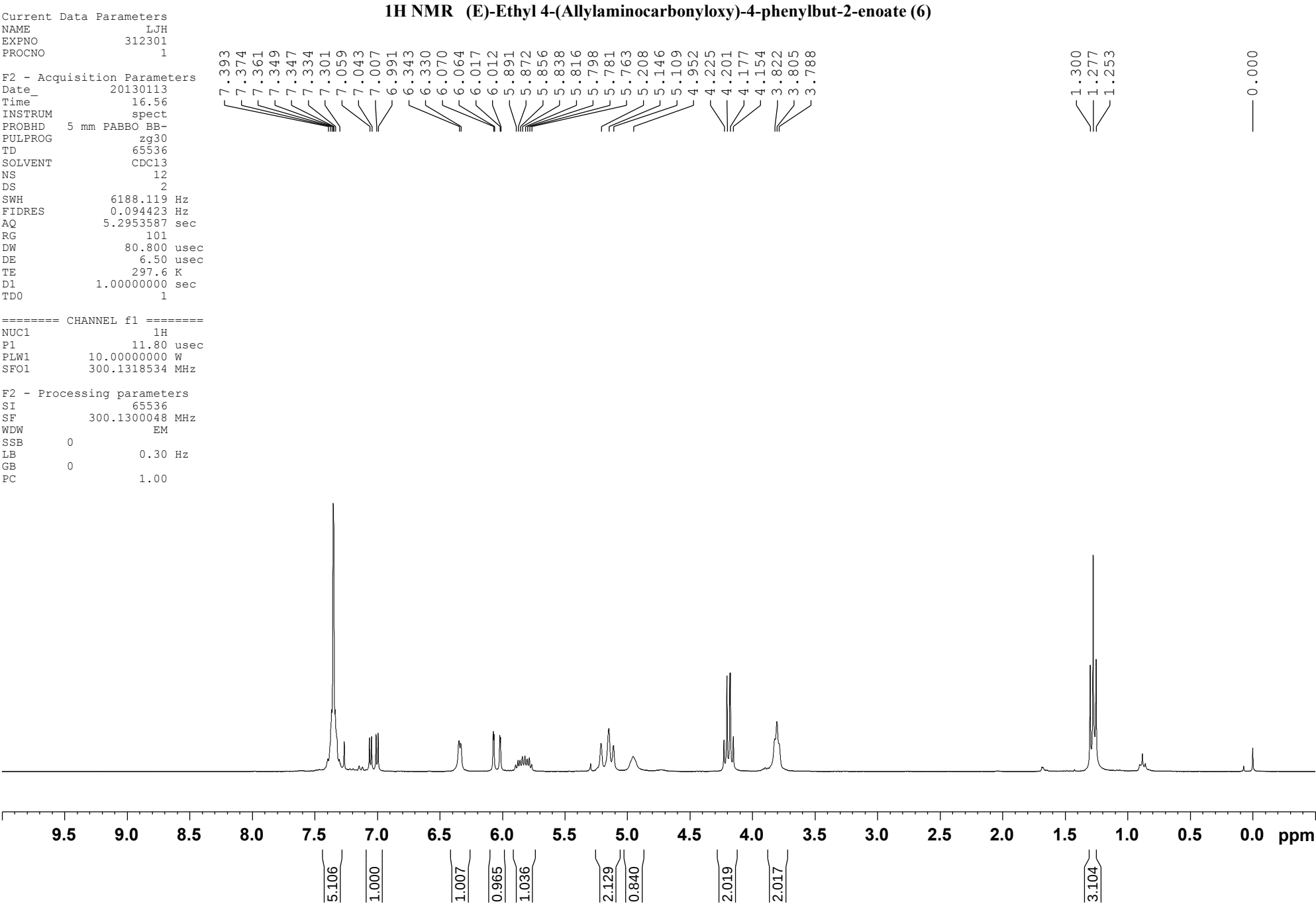
F2 - Acquisition Parameters
Date_ 20130111
Time 21.30
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 201
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677521 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





¹³C NMR (E)-Ethyl 4-(Allylaminocarbonyloxy)-4-phenylbut-2-enoate (6)

Current Data Parameters

NAME LJH
EXPNO 312313
PROCNO 1

F2 - Acquisition Parameters

Date_ 20130113
Time 17.02
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 201
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 203
DW 27.733 usec
DE 6.50 usec
TE 297.8 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

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

NUC1 13C
P1 9.00 usec
PLW1 40.00000000 W
SFO1 75.4752949 MHz

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

CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PLW2 10.00000000 W
PLW12 0.17778000 W
PLW13 0.14399999 W
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 32768
SF 75.4677526 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

