

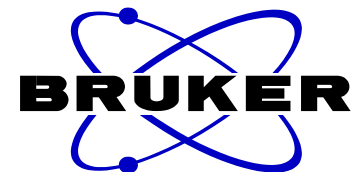
Supporting Information
“Fragmentation of chloroperoxides: hypochlorite-mediated dehydration of
hydroperoxyacetals to esters”

Fisher, T. J. and Dussault, Patrick H.

¹H NMR and ¹³C NMR spectra

	Page
1-Methoxynonyl hydroperoxide 1H (1a)	3
1-Methoxynonyl hydroperoxide 13C (1a)	4
1-Ethoxynonyl hydroperoxide 1H (1b)	5
1-Ethoxynonyl hydroperoxide 13C (1b)	6
1-Isopropoxynonyl hydroperoxide 1H (1c)	7
1-Isopropoxynonyl hydroperoxide 13C (1c)	8
1-(2-Hydroxyethoxy)nonyl hydroperoxide 1H (1d)	9
1-(2-Hydroxyethoxy)nonyl hydroperoxide 13C (1d)	10
9-Hydroperoxy-9-methoxynonyl acetate 1H (1e)	11
9-Hydroperoxy-9-methoxynonyl acetate 13C NMR (1e)	12
4-Benzyloxy-1-methoxybutyl hydroperoxide 1H NMR (1f)	13
4-Benzyloxy-1-methoxybutyl hydroperoxide 13C (1f)	14
1-Methoxy-3-phenylpropyl hydroperoxide 1H NMR (1g)	15
1-Methoxy-3-phenylpropyl hydroperoxide 13C NMR (1g)	16
1-(2-Chloroethoxy)nonyl hydroperoxide 1H (1h)	17
1-(2-Chloroethoxy)nonyl hydroperoxide 13C (1h)	18
1,1-Dimethyl-tert-butyl-(1'-methoxynonyldioxy)silane 1H (1i)	19
1,1-Dimethyl-tert-butyl-(1'-methoxynonyldioxy)silane 13C (1i)	20
trans-2-(2-Phenylcyclopropyl)-1-methoxyethyl hydroperoxide 1H (1k)	21
trans-2-(2-Phenylcyclopropyl)-1-methoxyethyl hydroperoxide 13C (1k)	22
1-Methoxy-2-phenylethyl hydroperoxide 1H (1l)	23
1-Methoxy-2-phenylethyl hydroperoxide 13C (1l)	24
2-Tetrahydropyranyl hydroperoxide 1H (1m)	25
2-Tetrahydropyranyl hydroperoxide 13C (1m)	26
4-tert-Butyl-1-methoxycyclohexyl hydroperoxide 1H (1n)	27
4-tert-Butyl-1-methoxycyclohexyl hydroperoxide 13C (1n)	28
Methyl nonanoate 1H (2a)	29
Methyl nonanoate 13C (2a)	30
Ethyl nonanoate 1H (2b)	31
Ethyl nonanoate 13C (2b)	32
Isopropyl nonanoate 1H (2c)	33
Isopropyl nonanoate 13C (2c)	34
2-Hydroxyethyl nonanoate 1H (2d)	35
2-Hydroxyethyl nonanoate 13C (2d)	36
Methyl 9-acetoxy nonanoate 1H (2e)	37
Methyl 9-acetoxy nonanoate 13C (2e)	38
Methyl 4-benzyloxy butyrate 1H (2f)	39
Methyl 4-benzyloxy butyrate 13C (2f)	40
Methyl 3-phenyl propionate 1H (2g)	41

Methyl 3-phenyl propionate 13C (2g)	42
2-Chloroethyl nonanoate 1H (2h)	43
2-Chloroethyl nonanoate 13C (2h)	44
trans-Methyl 2-phenylcyclopropanecarboxylate 1H (2k)	45
trans-Methyl 2-phenylcyclopropanecarboxylate 13C (2k)	46
Methyl benzoate 1H (2l)	47
Methyl benzoate 13C (2l)	48
δ -Valerolactone 1H (2m)	49
δ -Valerolactone 13C (2m)	50
Methyl 4-tert-Butyl-6-chloro hexanoate 1H (3)	51
Methyl 4-tert-Butyl-6-chloro hexanoate 13C (3)	52

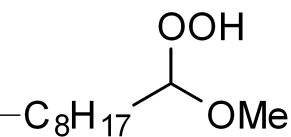
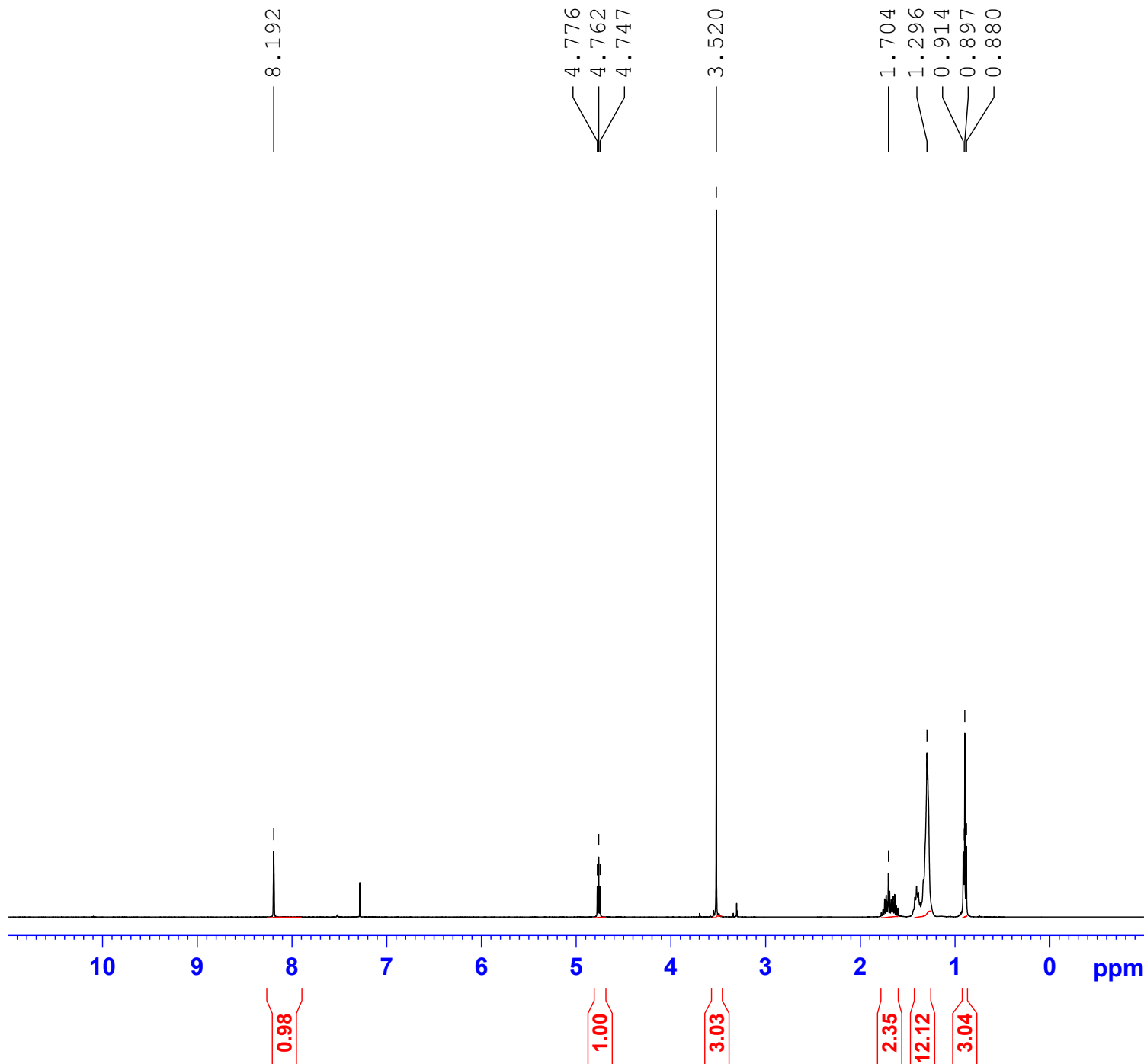


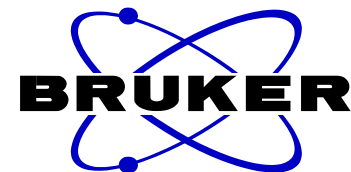
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SOLVENT CDC13
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FIDRES 0.126314 Hz
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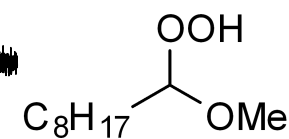
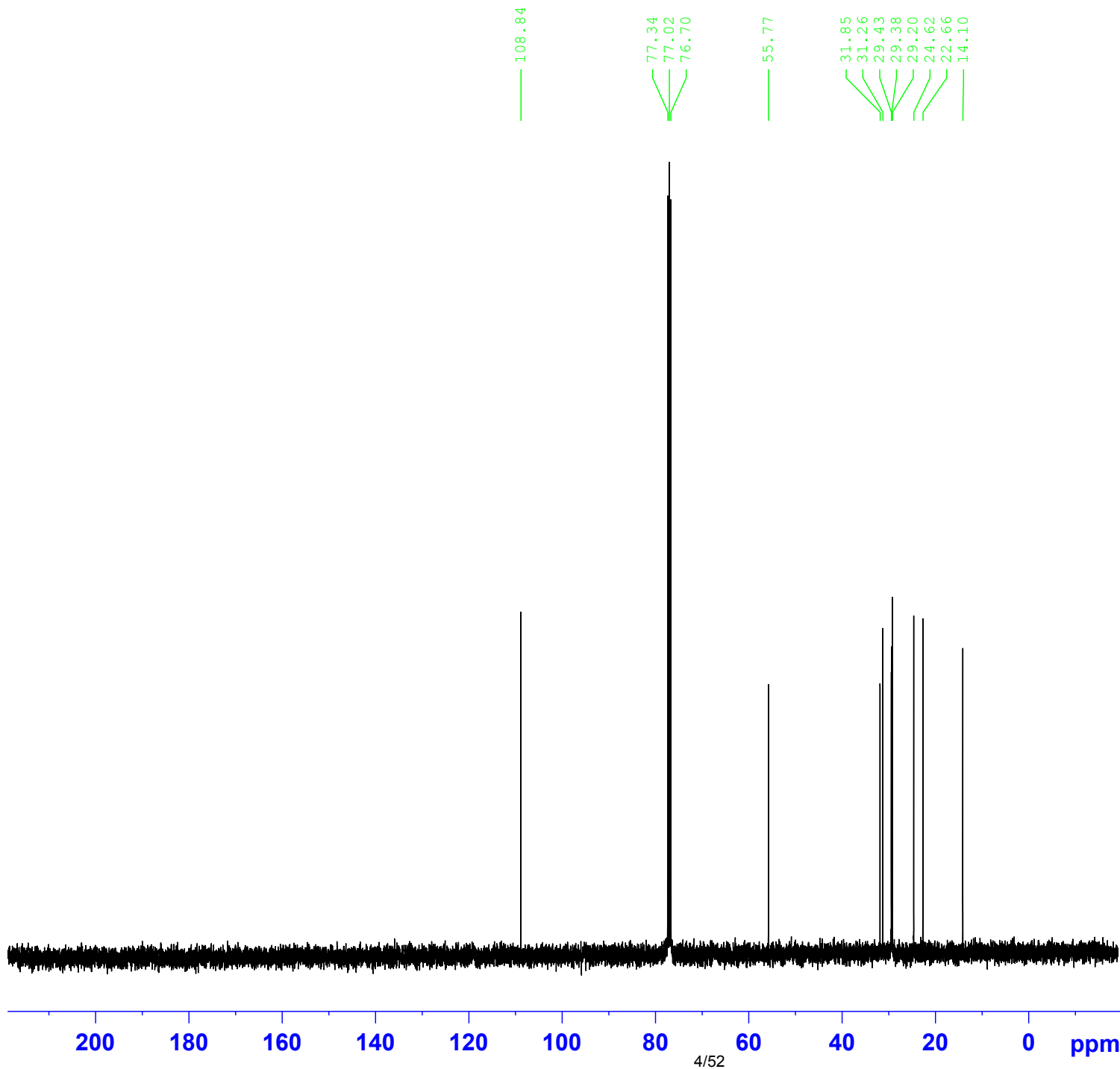
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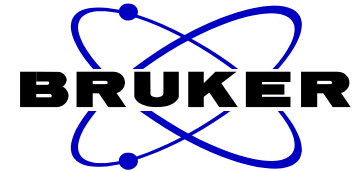
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NUC1 13C
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PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
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NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
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F2 - Processing parameters
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PC 1.40



1a

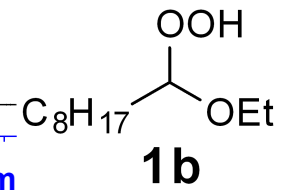
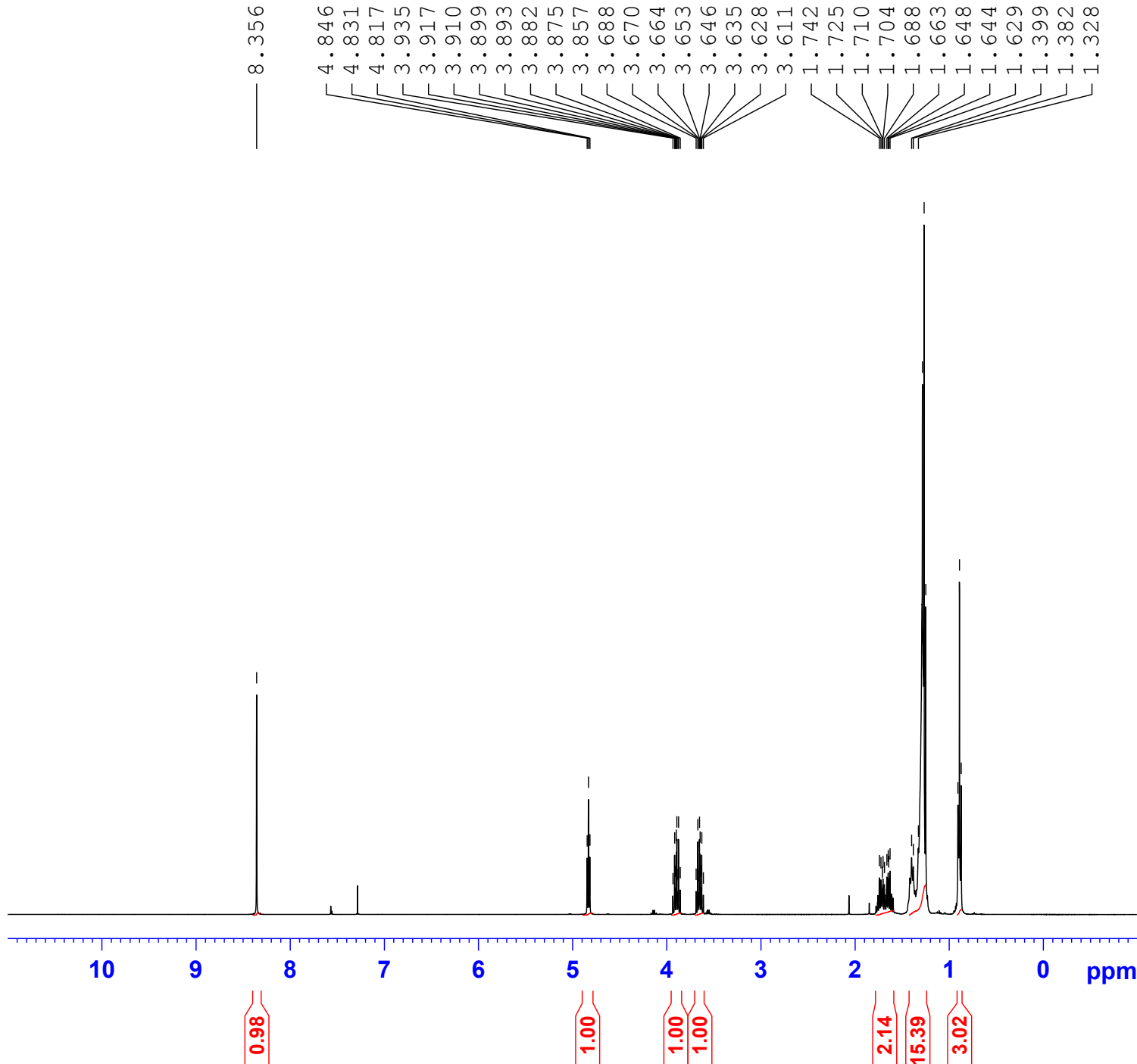


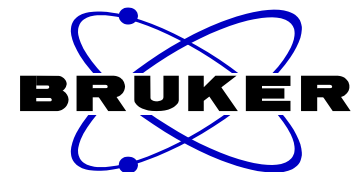
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SOLVENT CDC13
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RG 40.3
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TE 294.5 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
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PL1 0.00 dB
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F2 - Processing parameters
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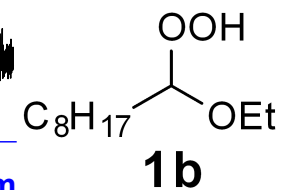
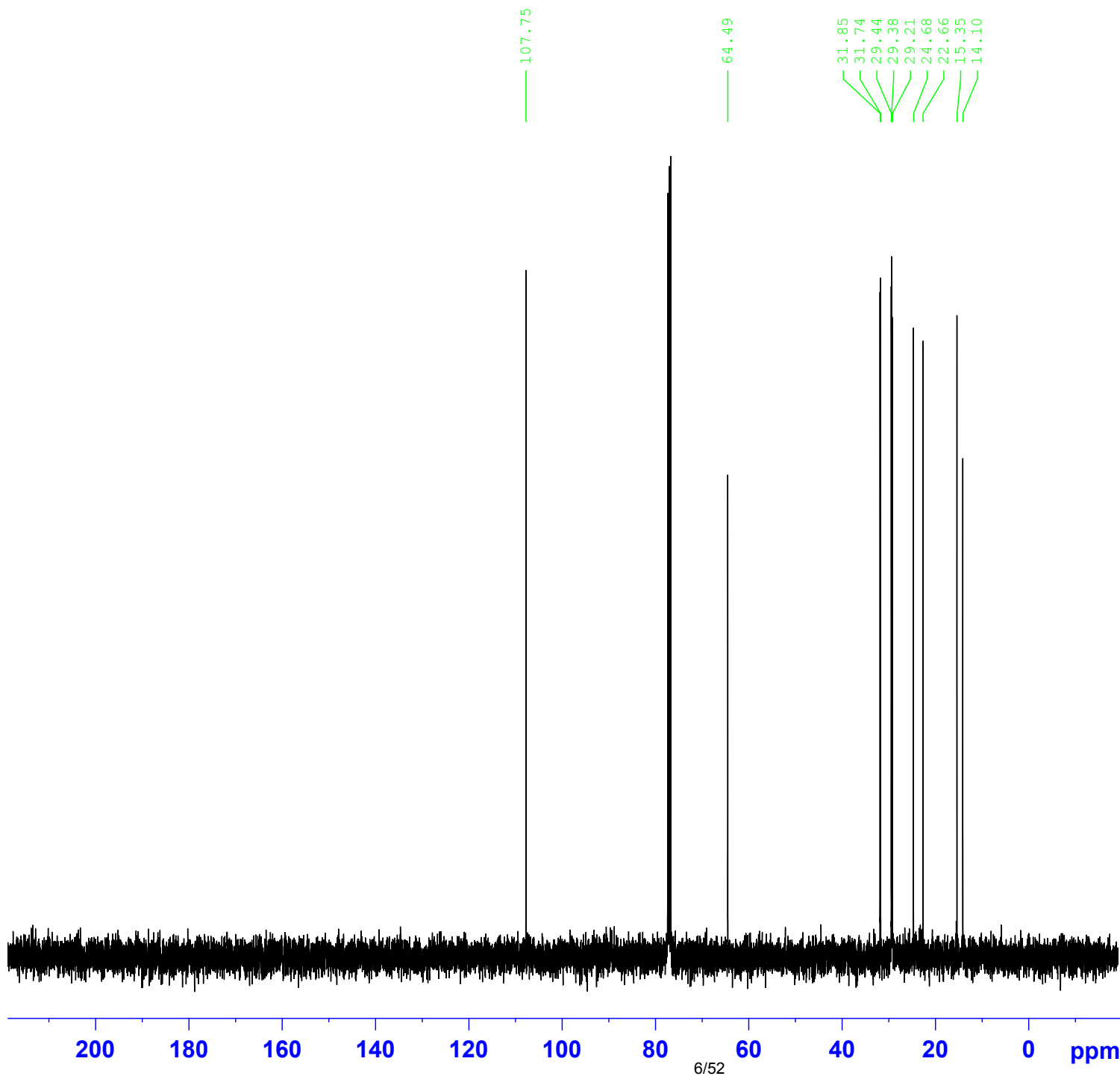
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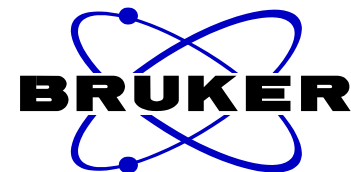
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SOLVENT CDCl3
NS 35
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 32768
DW 20.850 usec
DE 6.50 usec
TE 294.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.25 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 0.00 dB
PL12 13.00 dB
PL13 13.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
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SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



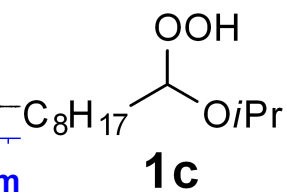
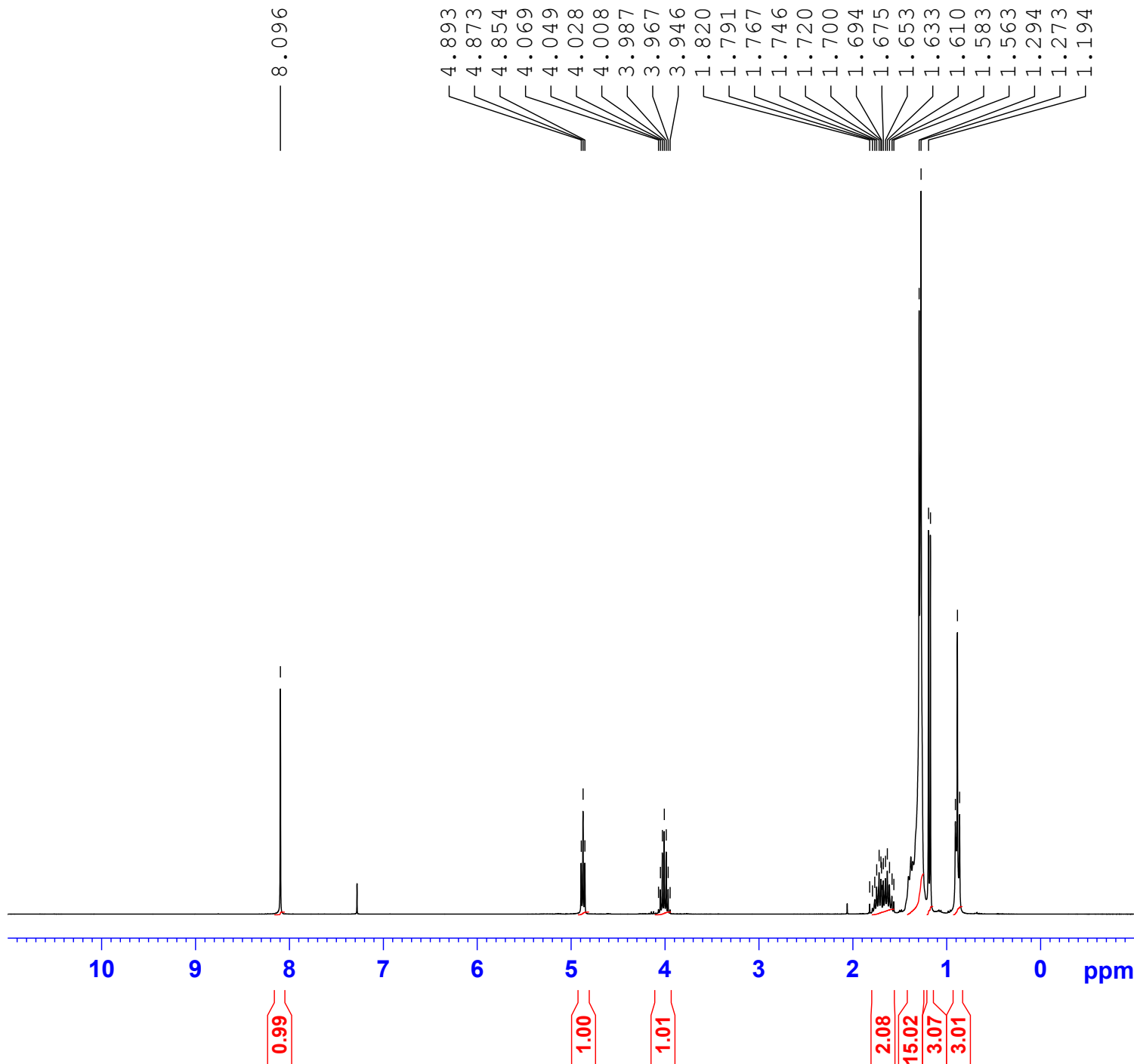


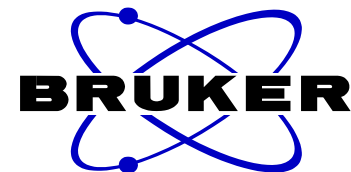
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PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 90.5
DW 81.000 usec
DE 6.50 usec
TE 293.6 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 8.05 usec
PL1 0.60 dB
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 32768
SF 300.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





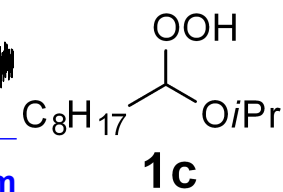
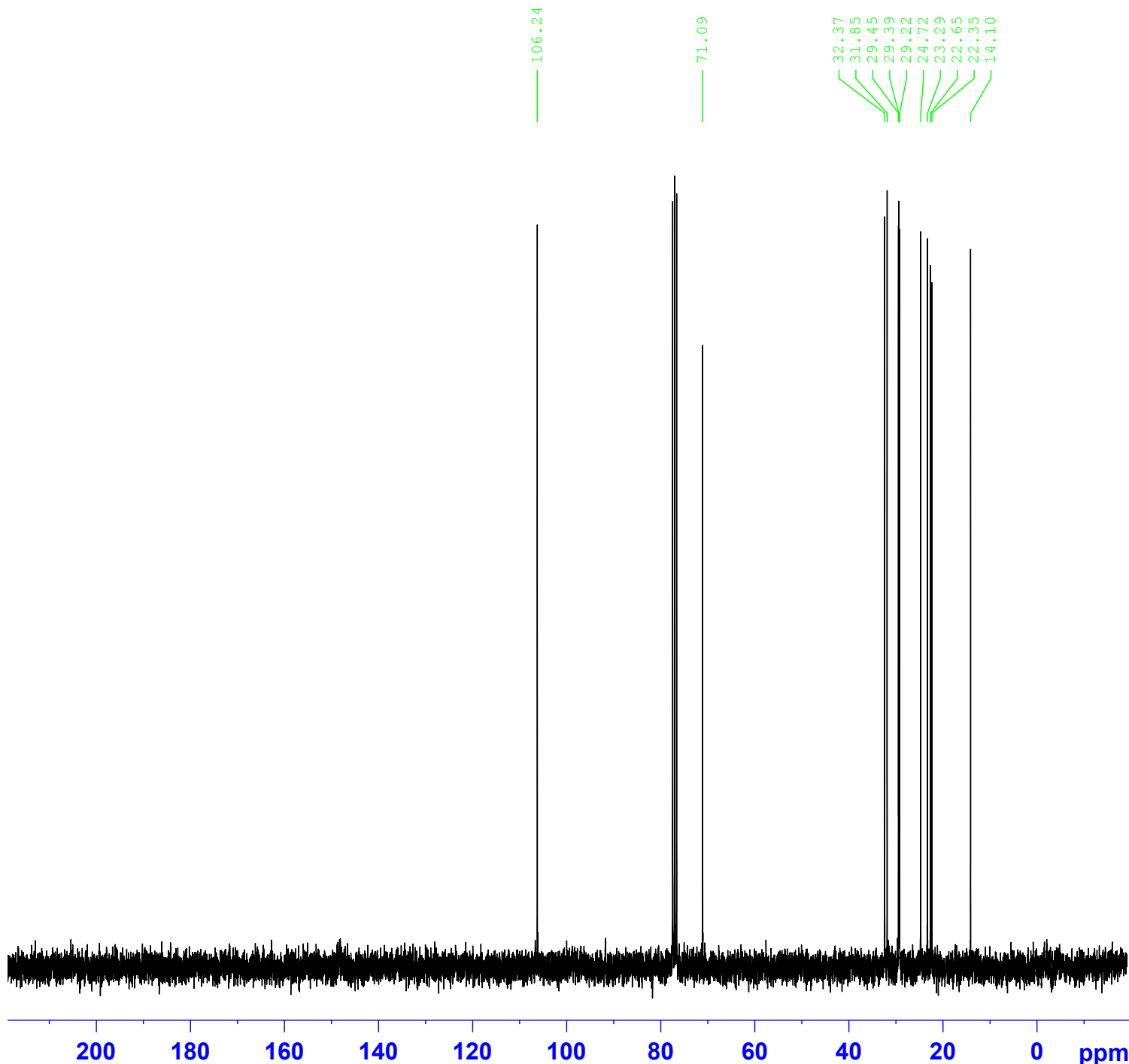
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PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 123
DS 4
SWH 17985.611 Hz
FIDRES 0.548877 Hz
AQ 0.9110004 sec
RG 32768
DW 27.800 usec
DE 6.50 usec
TE 294.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 6.25 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

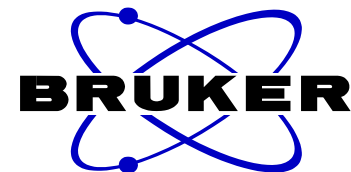
==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 0.60 dB
PL12 20.55 dB
PL13 20.55 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



10.182

4.917
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3.908
3.896
3.888
3.873
3.865
3.862
3.854
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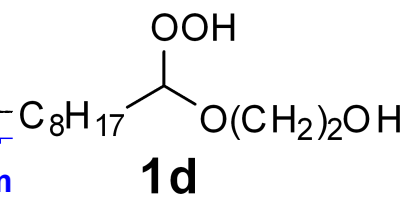
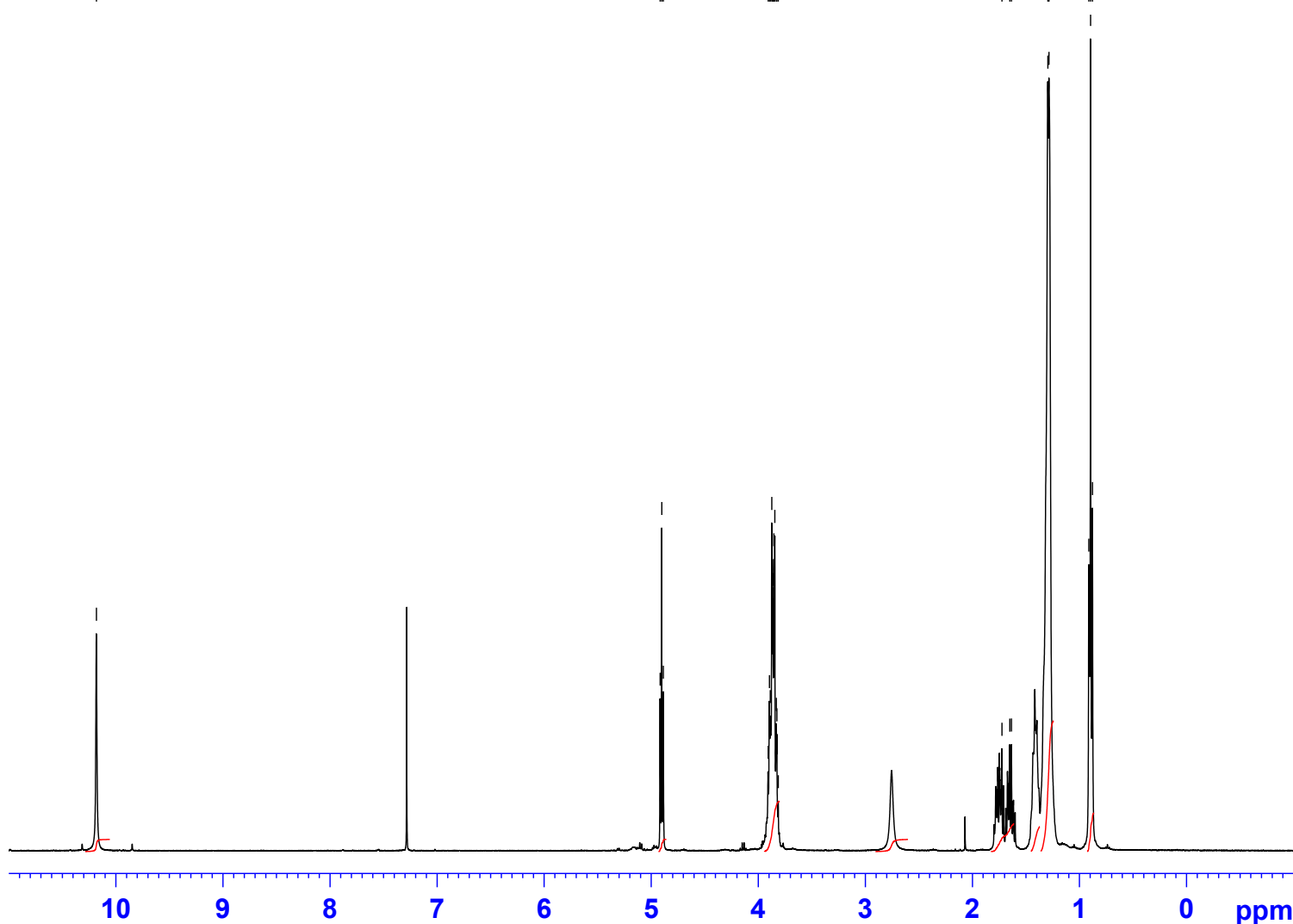


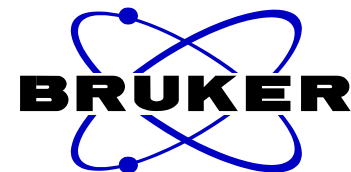
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PROCNO 1

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PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 128
DW 60.400 usec
DE 6.50 usec
TE 293.3 K
D1 1.00000000 sec
TDO 1

==== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 -3.35 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





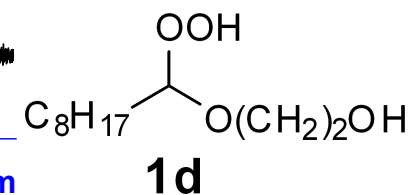
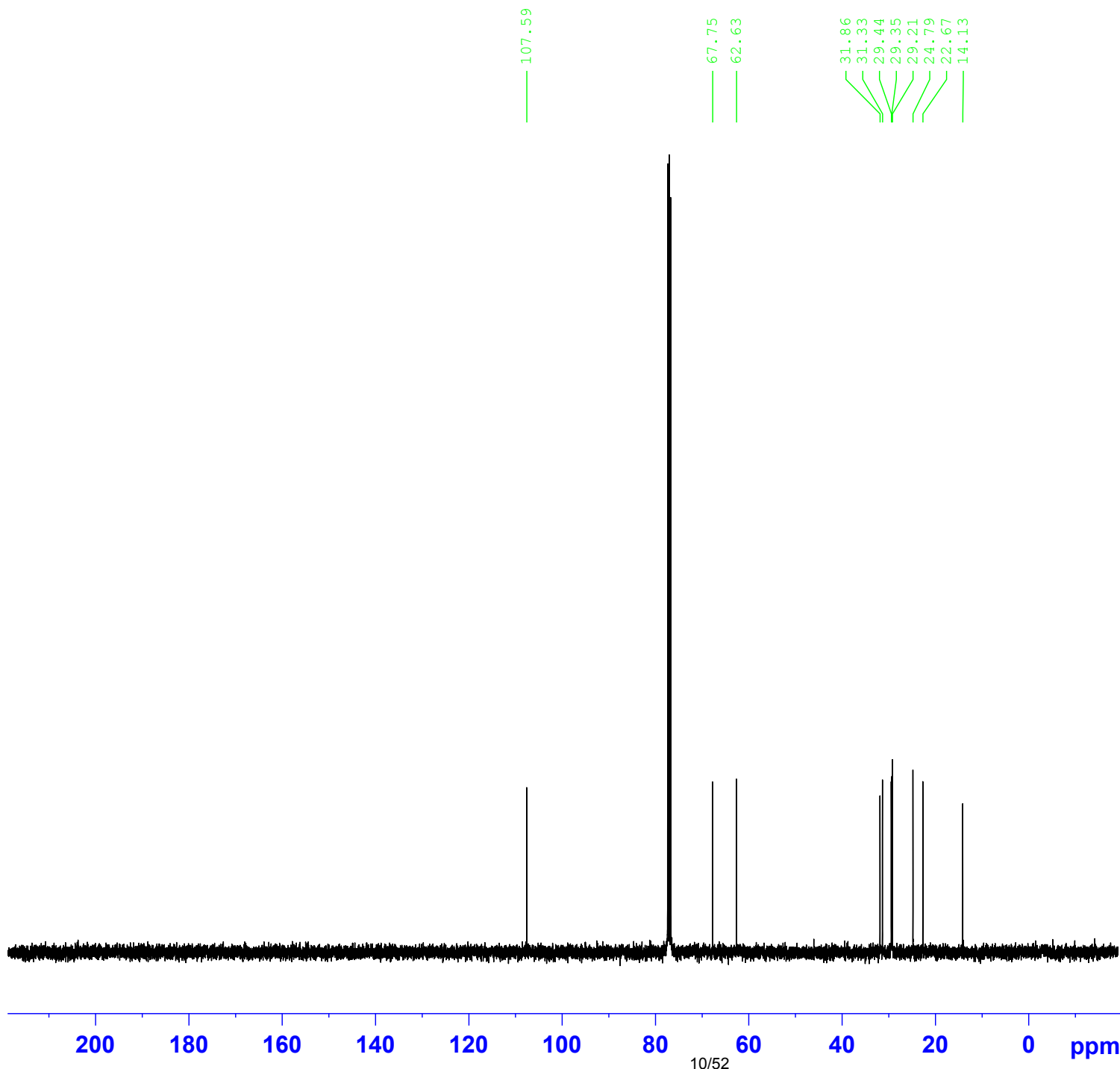
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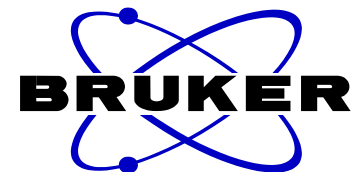
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TD 65536
SOLVENT CDCl3
NS 327
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 1625.5
DW 20.850 usec
DE 6.50 usec
TE 293.9 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.50 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL2 -4.00 dB
PL12 12.90 dB
PL13 13.82 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



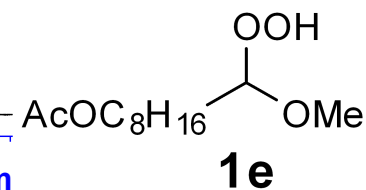
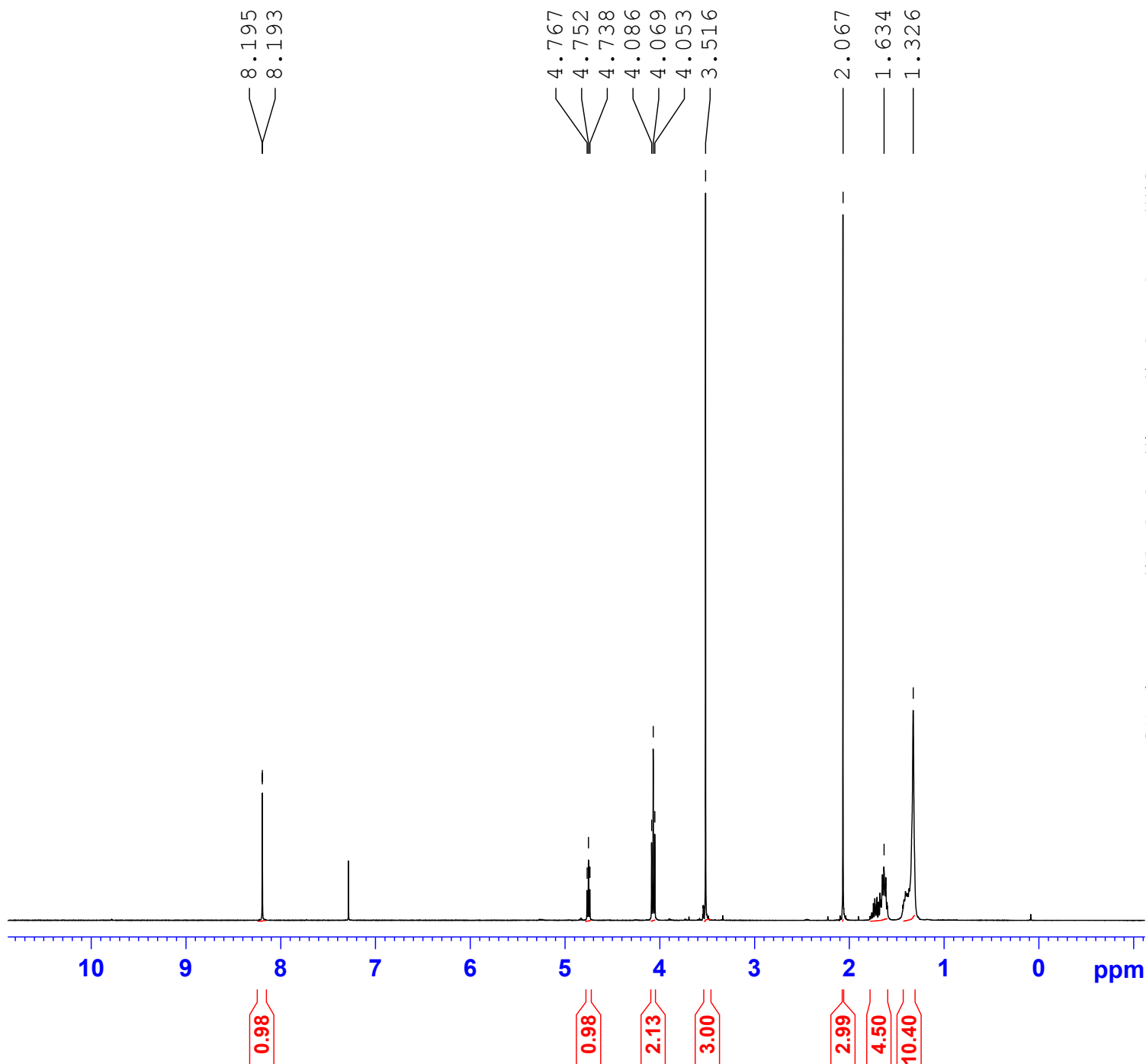


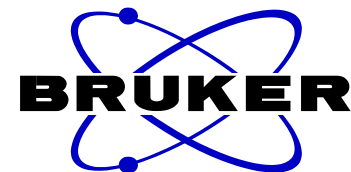
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TD 65536
SOLVENT CDC13
NS 16
DS 2
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FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 128
DW 60.400 usec
DE 6.50 usec
TE 295.9 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





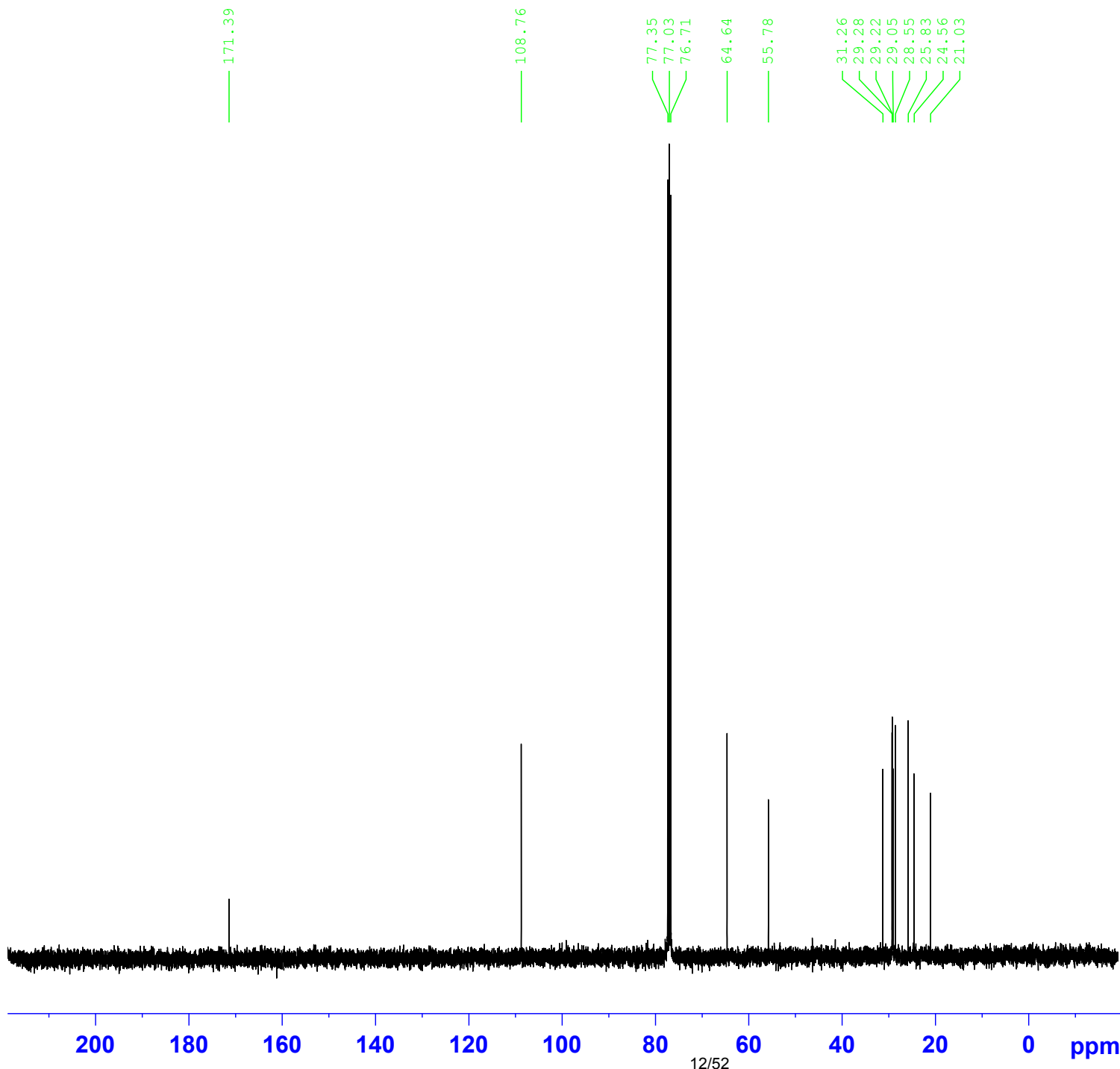
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PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 187
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 5792.6
DW 20.850 usec
DE 6.50 usec
TE 296.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

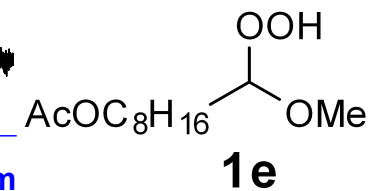
===== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

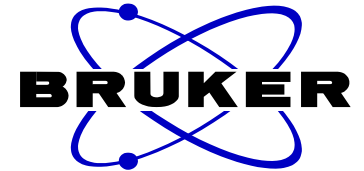


12/52



8.555

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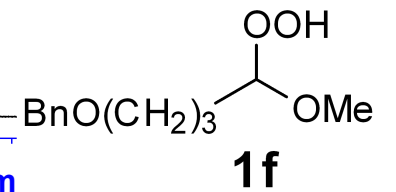
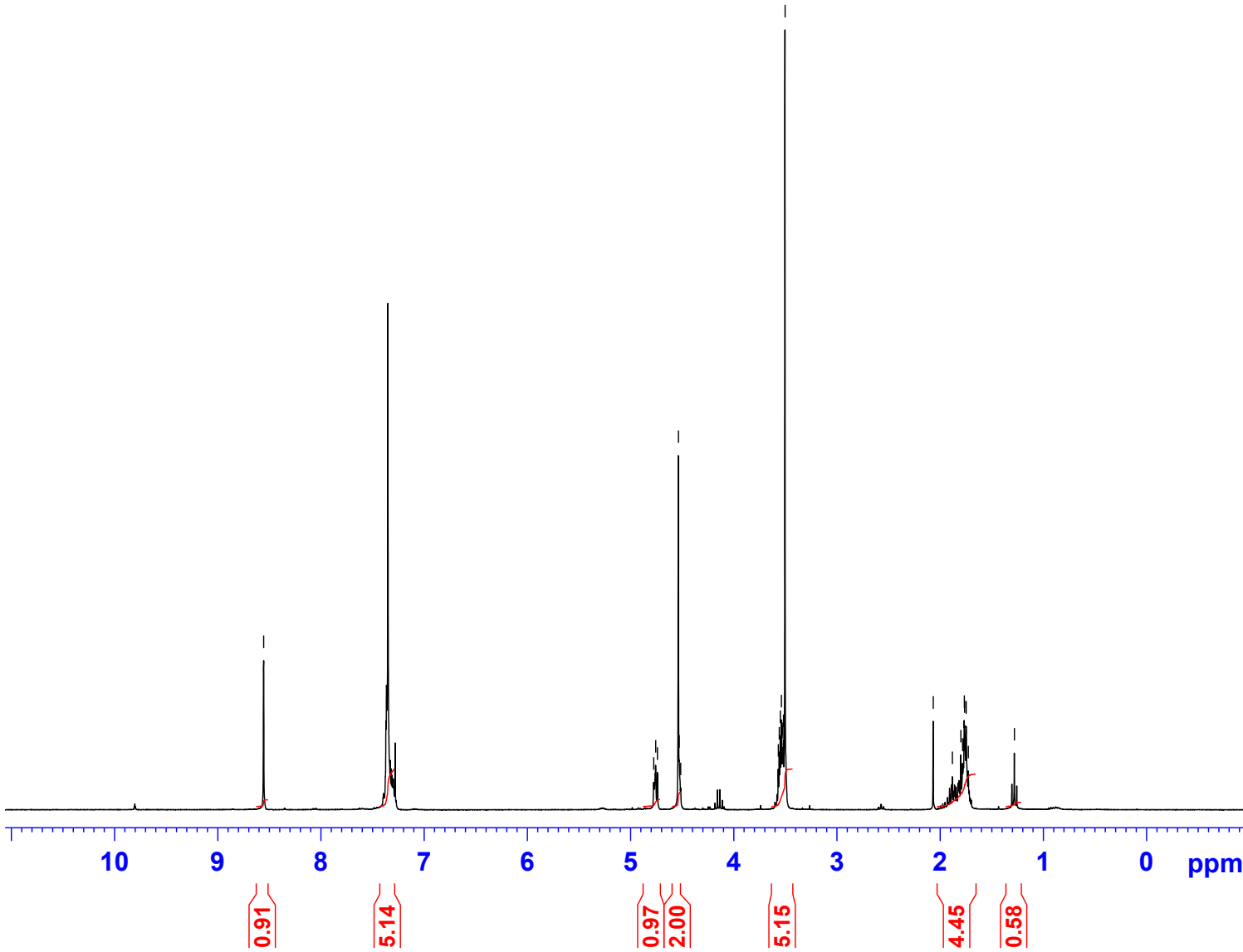


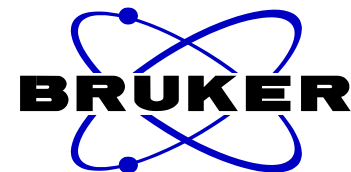
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PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 228.1
DW 81.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 8.14 usec
PL1 0.60 dB
SFO1 300.1318534 MHz

F2 - Processing parameters
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PC 1.00





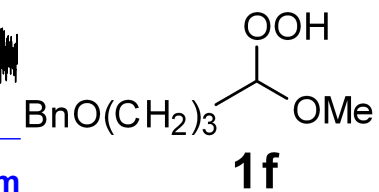
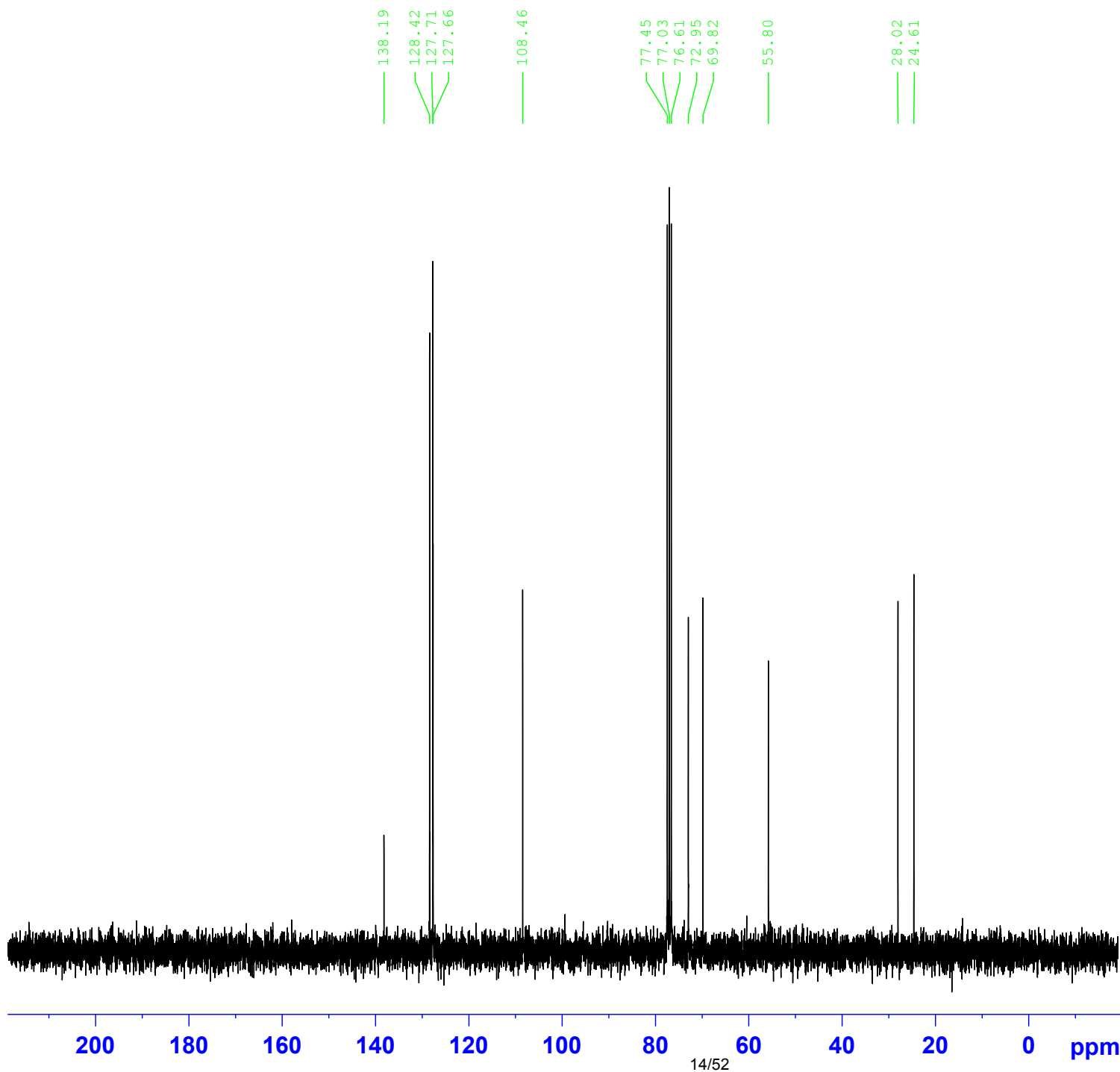
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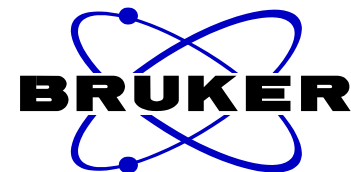
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PULPROG zgpg30
TD 32768
SOLVENT CDC13
NS 113
DS 4
SWH 17985.611 Hz
FIDRES 0.548877 Hz
AQ 0.9110004 sec
RG 13004
DW 27.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 6.25 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 0.60 dB
PL12 20.45 dB
PL13 20.55 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





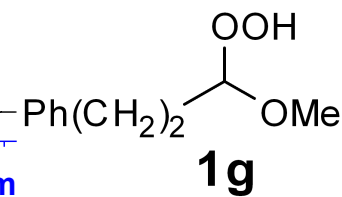
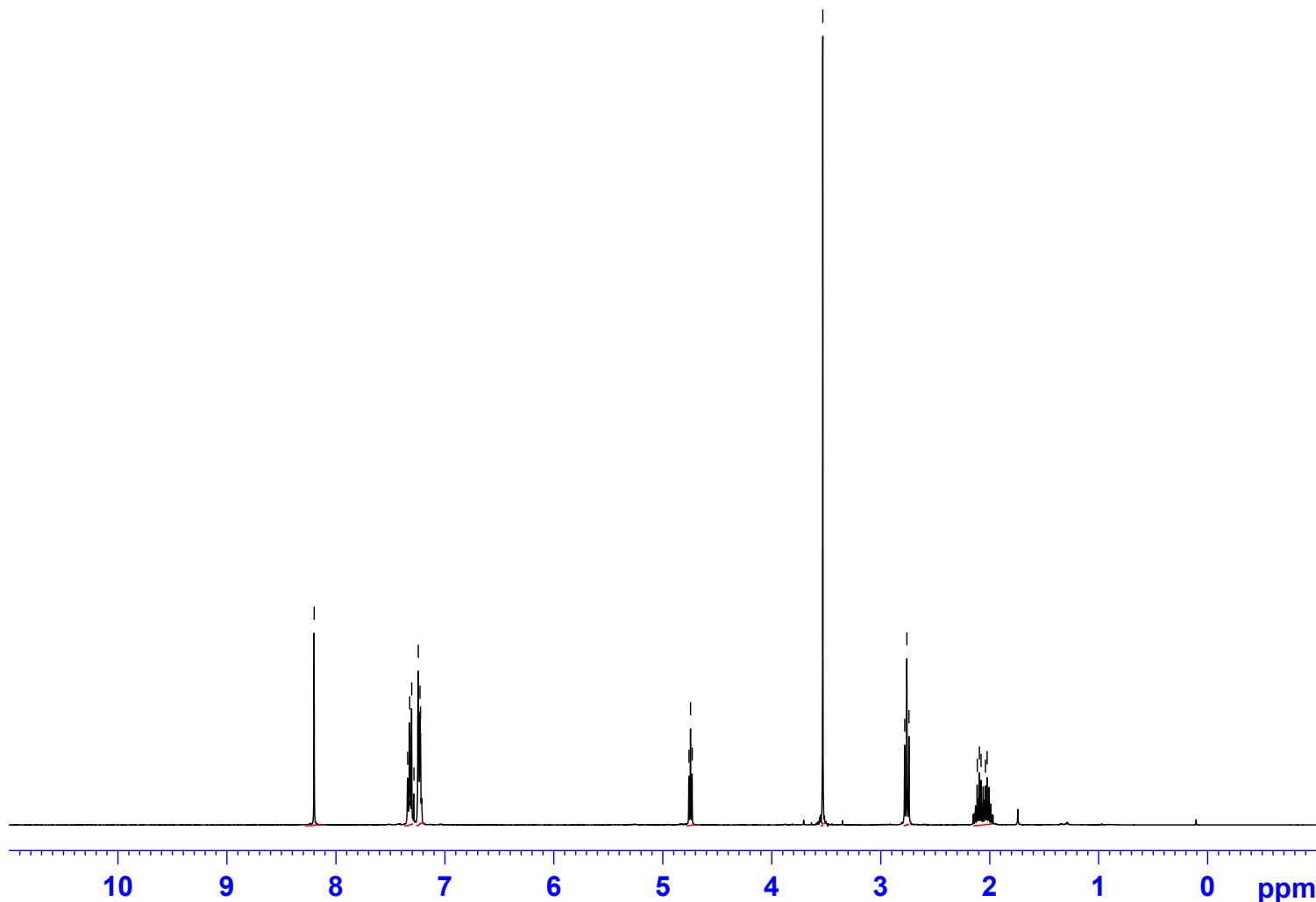
Current Data Parameters
NAME TFish0452_product_dry_062909
EXPNO 1
PROCNO 1

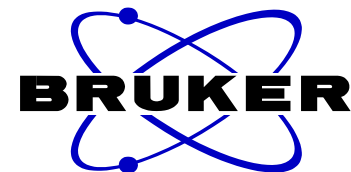
F2 - Acquisition Parameters
Date_ 20090629
Time_ 12.48
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 90.5
DW 60.400 usec
DE 6.50 usec
TE 294.8 K
D1 1.00000000 sec
TDO 1

=====
CHANNEL f1
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

8.199
7.342
7.323
7.305
7.284
7.244
7.236
7.229
7.224
4.760
4.745
4.730
3.531
2.780
2.760
2.740
2.115
2.095
2.080
2.039
2.025





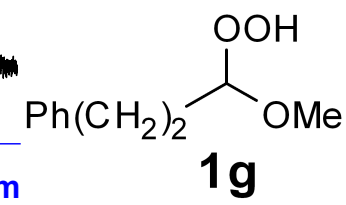
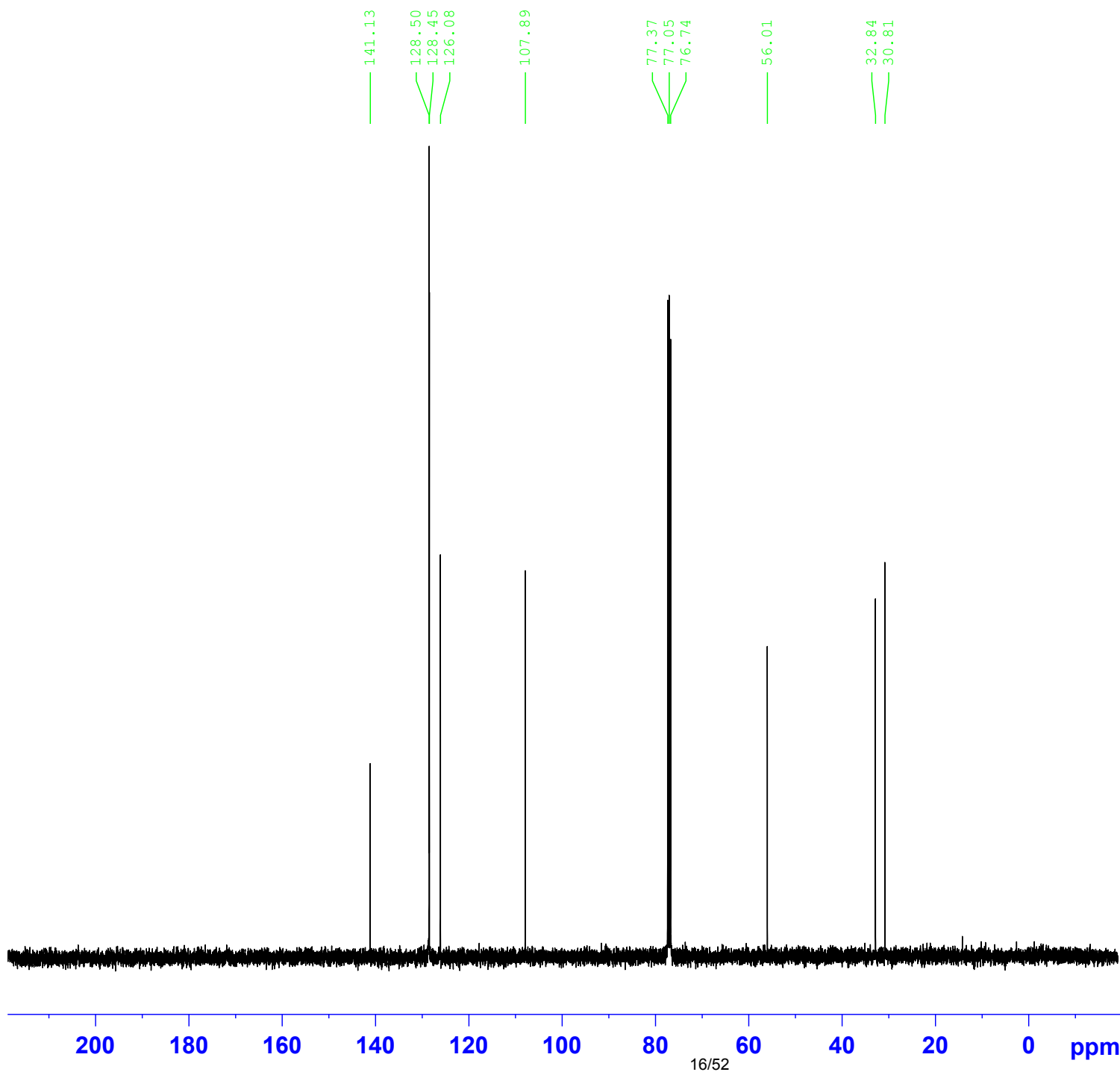
Current Data Parameters
NAME TFish0452_product_dry_062909
EXPNO 2
PROCNO 1

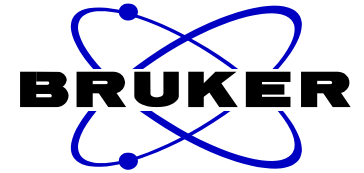
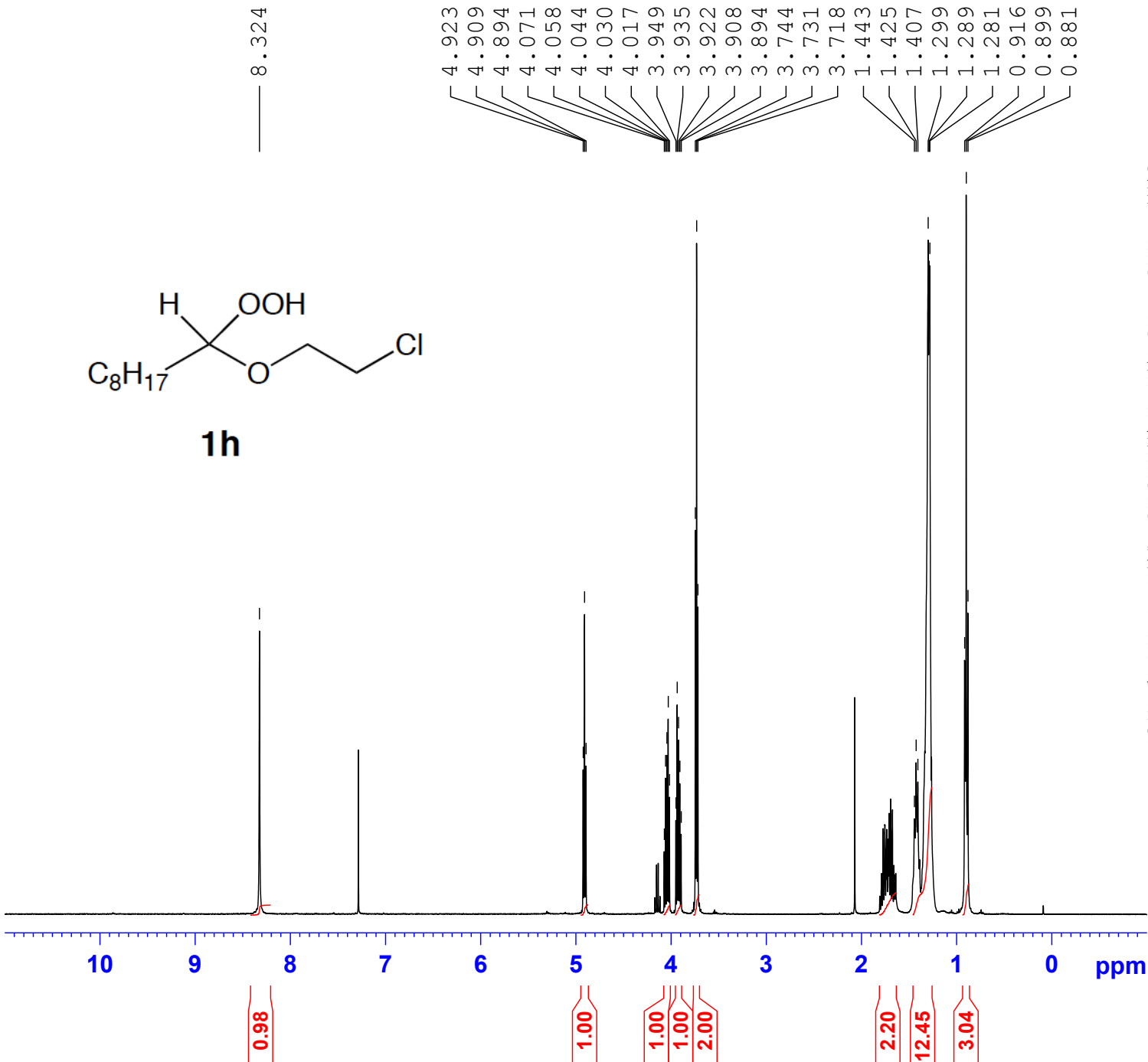
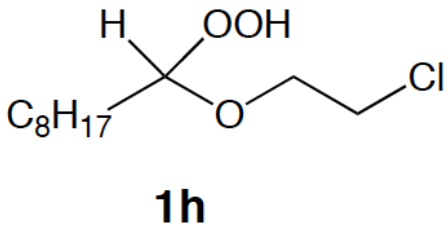
F2 - Acquisition Parameters
Date_ 20090629
Time_ 12.15
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 170
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 5160.6
DW 20.850 usec
DE 6.50 usec
TE 295.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

=====
CHANNEL f1
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

=====
CHANNEL f2
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



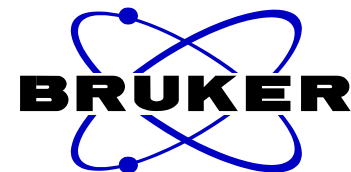


Current Data Parameters
 NAME TFish0640_product_061010
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20090611
 Time_ 12.56
 INSTRUM spect
 PROBHD 5 mm Multinucl
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.126314 Hz
 AQ 3.9584243 sec
 RG 90.5
 DW 60.400 usec
 DE 6.50 usec
 TE 294.6 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 12.50 usec
 PL1 -2.50 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



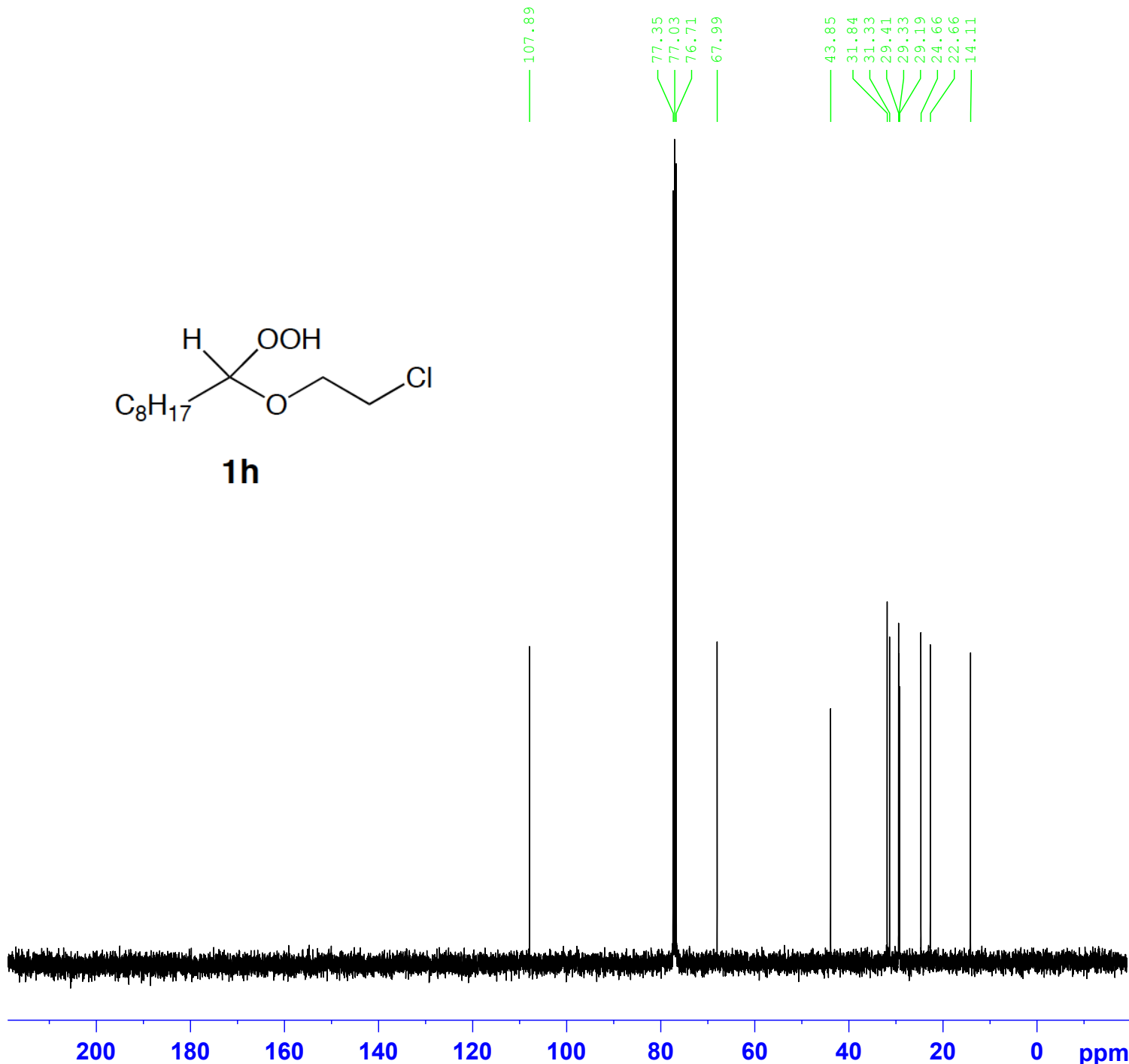
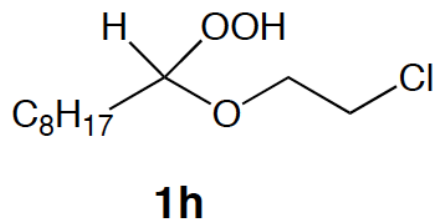
Current Data Parameters
NAME TFish0640_product_061010
EXPNO 2
PROCNO 1

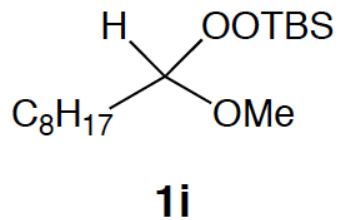
F2 - Acquisition Parameters
Date_ 20090611
Time 12.41
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 158
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 5792.6
DW 20.850 usec
DE 6.50 usec
TE 295.3 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

=====
CHANNEL f1
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

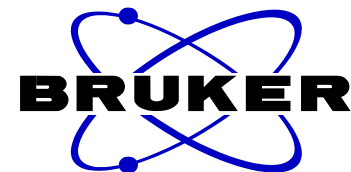
=====
CHANNEL f2
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





4.774
 4.760
 4.746
 3.575
 1.635
 1.614
 1.600
 1.286
 0.970
 0.915
 0.898
 0.880
 0.203
 0.192

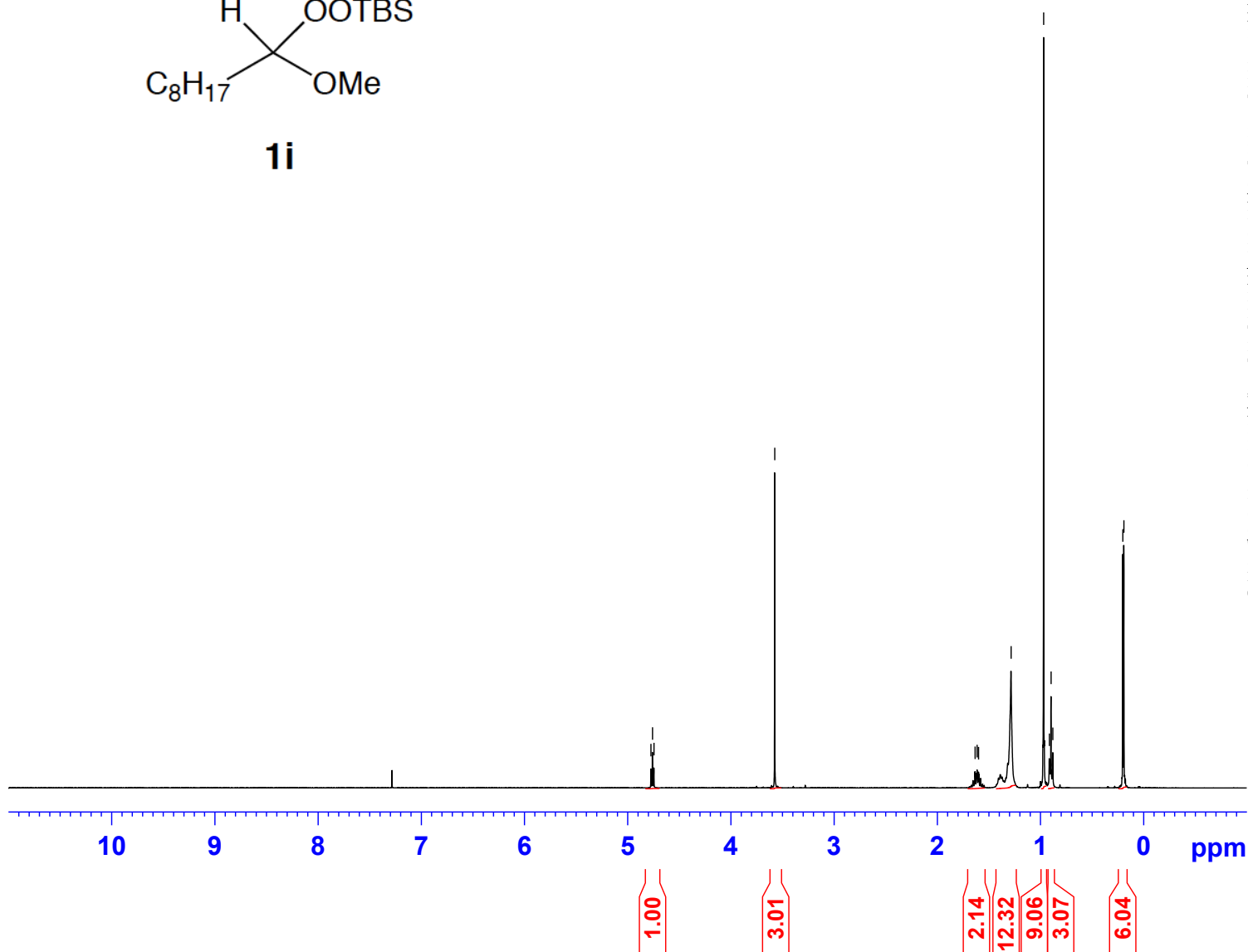


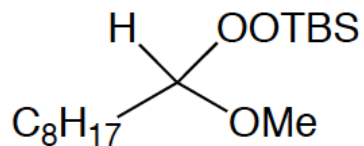
Current Data Parameters
 NAME TFish0459_Product_063009
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20090630
 Time_ 19.58
 INSTRUM spect
 PROBHD 5 mm Multinucl
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.126314 Hz
 AQ 3.9584243 sec
 RG 71.8
 DW 60.400 usec
 DE 6.50 usec
 TE 295.5 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 12.50 usec
 PL1 -2.50 dB
 SFO1 400.1324710 MHz

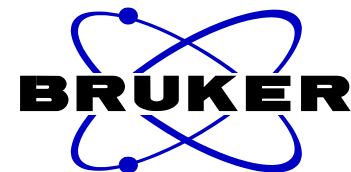
F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0PC





1i

109.11
 77.34
 77.02
 76.70
 57.18
 32.06
 31.85
 29.43
 29.20
 26.17
 24.76
 22.67
 18.17
 14.11
 -5.68
 -5.70



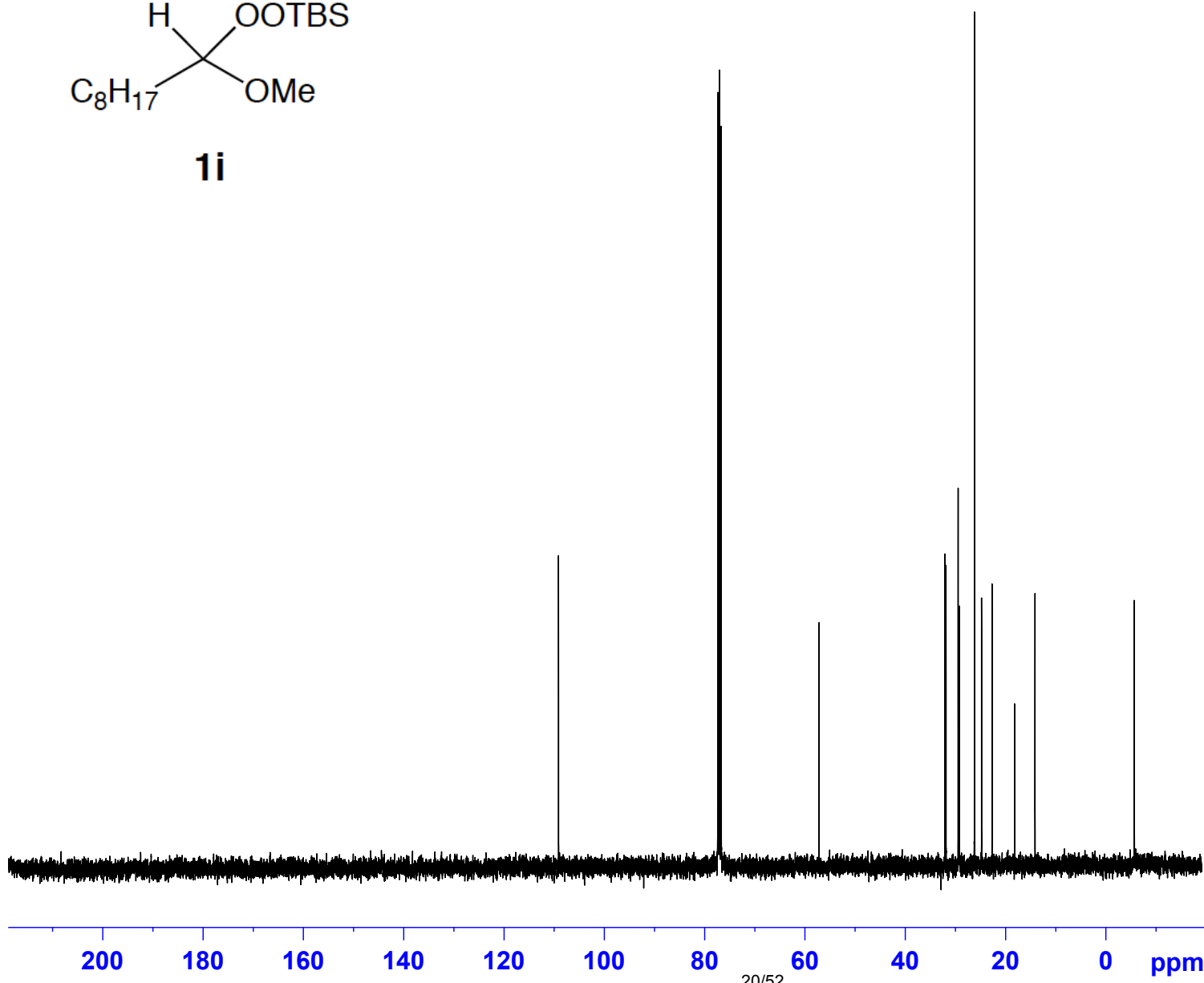
Current Data Parameters
 NAME TFish0459_Product_063009
 EXPNO 2
 PROCNO 1

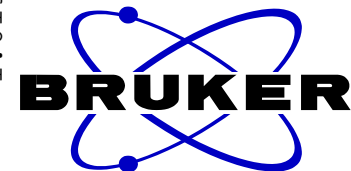
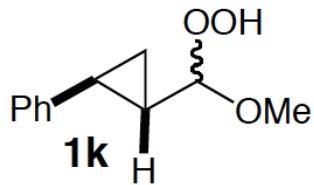
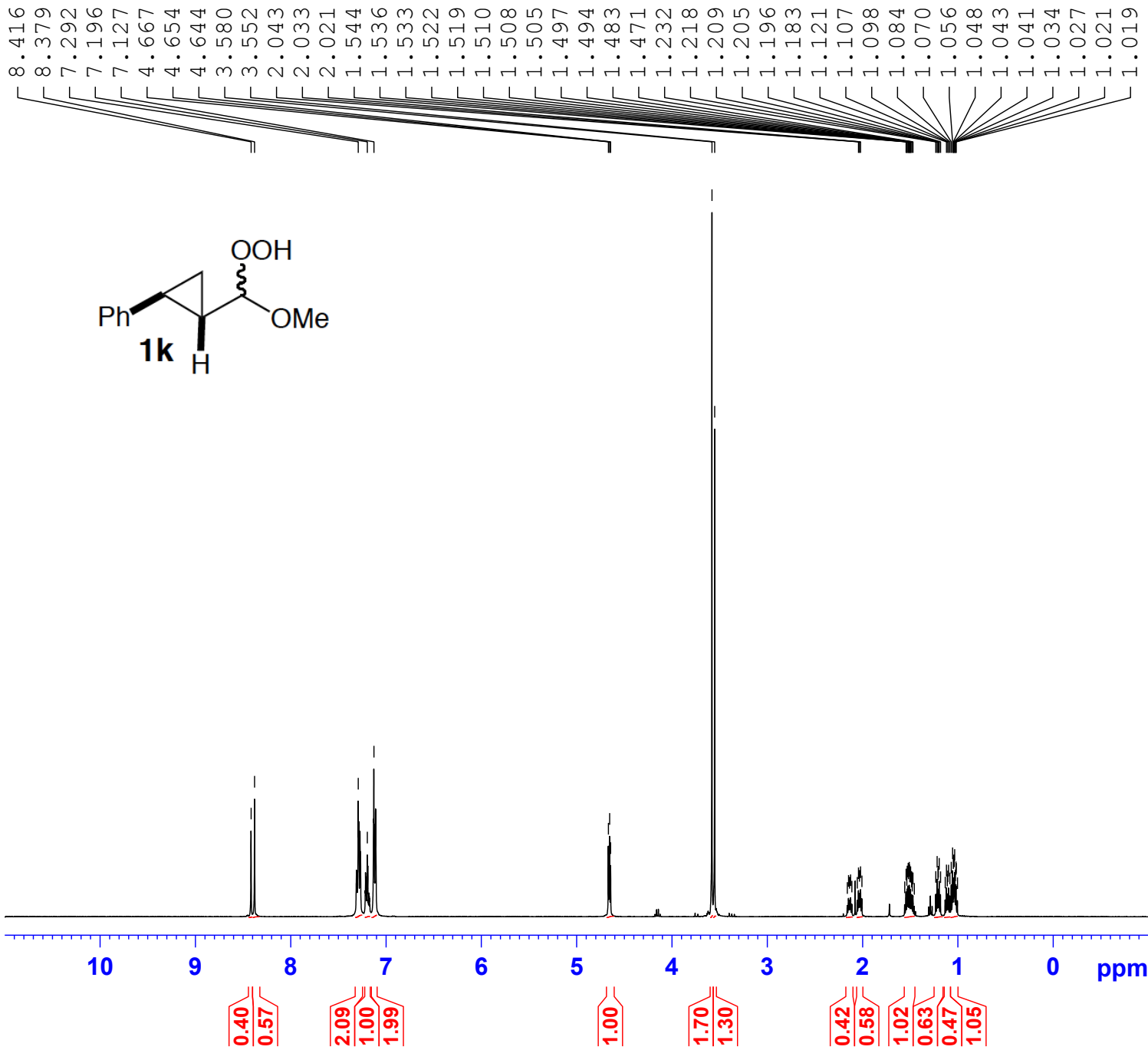
F2 - Acquisition Parameters
 Date_ 20090630
 Time_ 20.02
 INSTRUM spect
 PROBHD 5 mm Multinucl
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 165
 DS 4
 SWH 23980.814 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 4597.6
 DW 20.850 usec
 DE 6.50 usec
 TE 295.8 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 10.00 usec
 PL1 0.00 dB
 SFO1 100.6228298 MHz

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 80.00 usec
 PL2 -2.50 dB
 PL12 13.62 dB
 PL13 13.62 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127690 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40



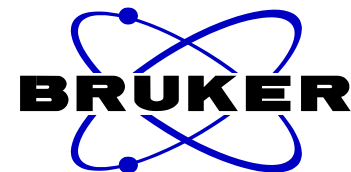


Current Data Parameters
 NAME TFish0529_product_111409
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20091114
 Time_ 17.54
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.126314 Hz
 AQ 3.9584243 sec
 RG 90.5
 DW 60.400 usec
 DE 6.50 usec
 TE 293.9 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 12.00 usec
 PL1 -3.35 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



Current Data Parameters
NAME TFish0529_product_111409
EXPNO 2
PROCNO 1

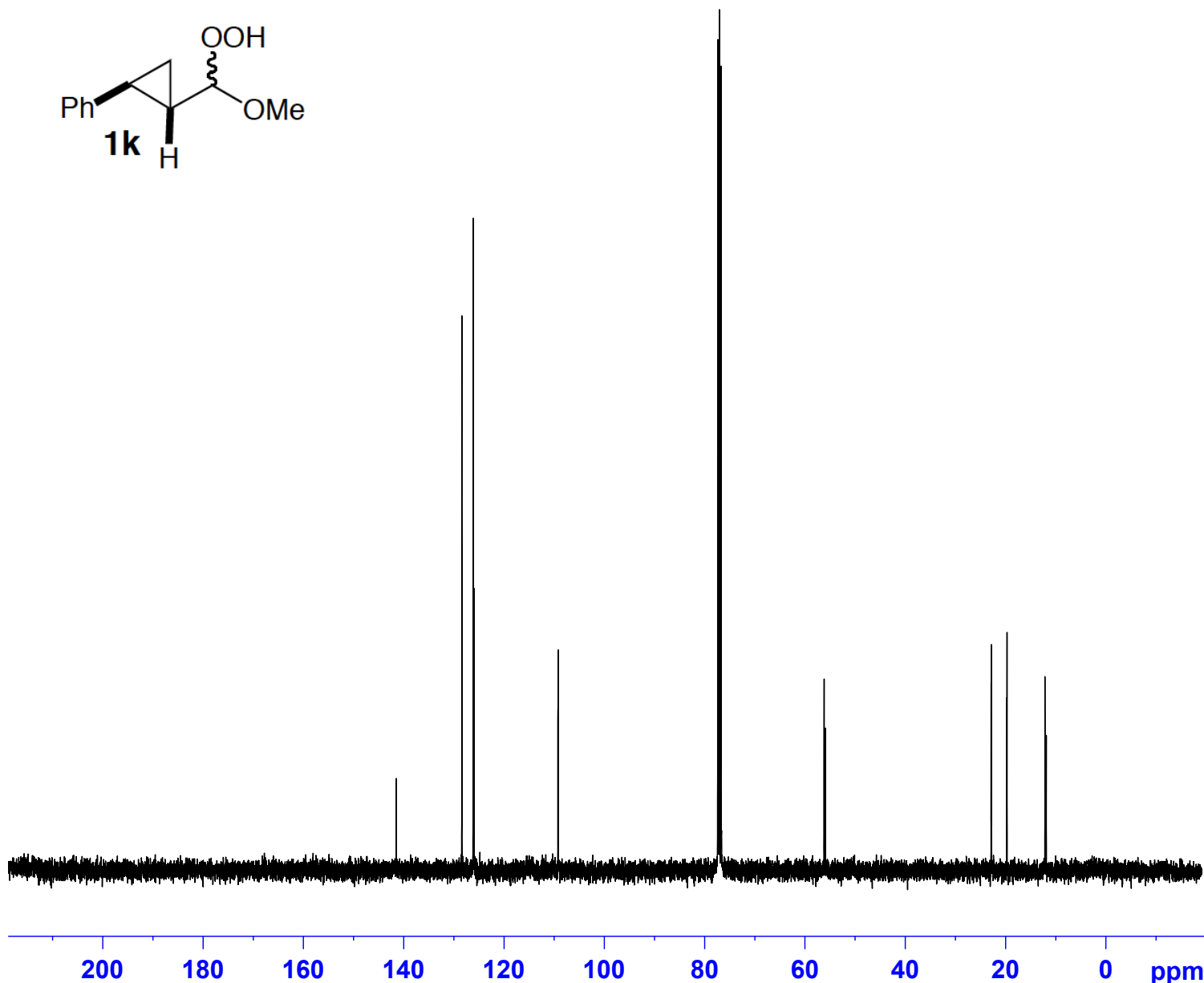
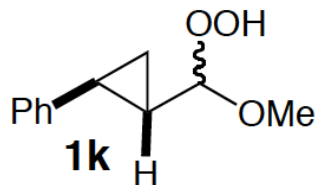
F2 - Acquisition Parameters
Date_ 20091114
Time 18.03
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 232
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 1024
DW 20.850 usec
DE 6.50 usec
TE 295.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

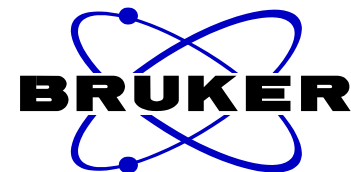
===== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.50 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL2 -3.35 dB
PL12 11.97 dB
PL13 11.97 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

141.50
141.48
128.40
126.14
125.97
125.95
109.24
109.15
56.15
55.93
22.85
22.81
19.75
19.68
12.12
11.85



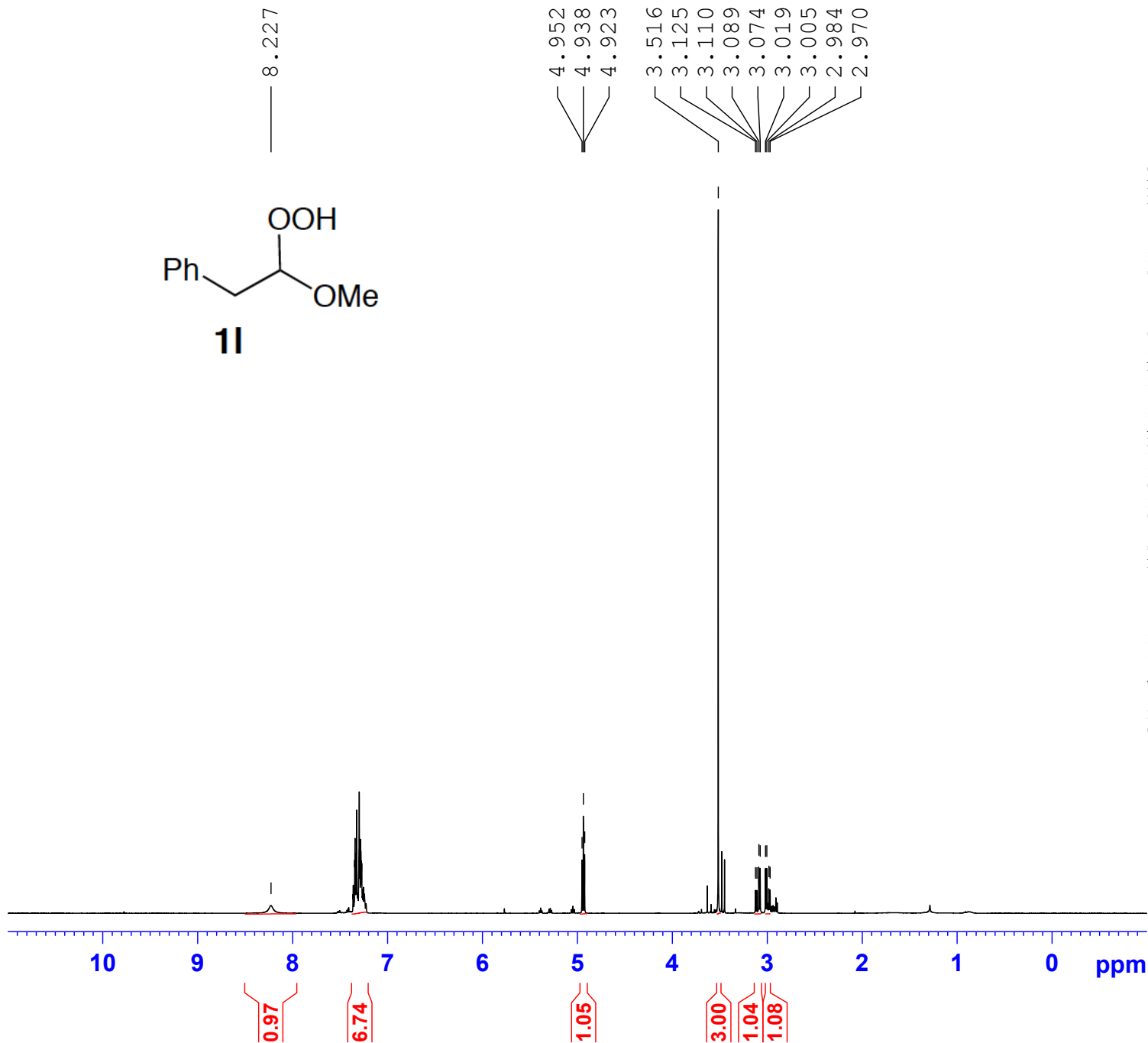
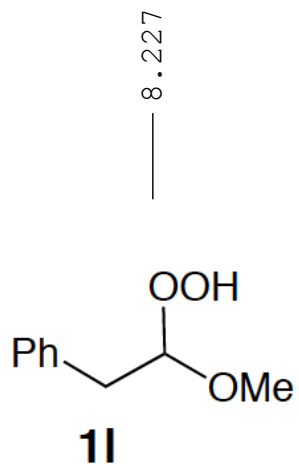


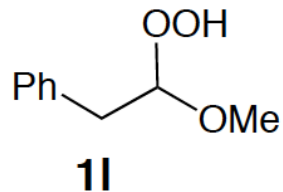
Current Data Parameters
NAME TFish0514_product_091109
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090911
Time_ 20.50
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 128
DW 60.400 usec
DE 6.50 usec
TE 293.9 K
D1 1.00000000 sec
TD0 1

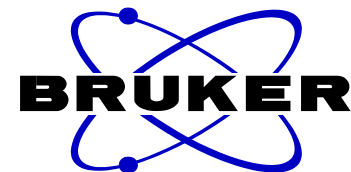
==== CHANNEL f1 =====
NUC1 1H
P1 12.00 usec
PL1 -3.35 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





136.13
 129.52
 128.47
 126.70
 109.11
 77.36
 77.04
 76.73
 56.40
 38.22



Current Data Parameters
 NAME TFish0514_product_091109
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20090911
 Time 20.57
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 94
 DS 4
 SWH 23980.814 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 1024
 DW 20.850 usec
 DE 6.50 usec
 TE 294.8 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

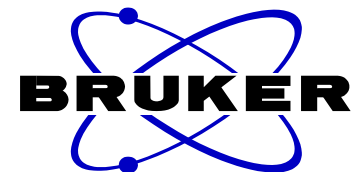
===== CHANNEL f1 =====
 NUC1 13C
 P1 10.00 usec
 PL1 0.00 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 70.00 usec
 PL2 -3.35 dB
 PL12 11.97 dB
 PL13 11.97 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127690 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40



200 180 160 140 120 100 80 60 40 20 0 ppm

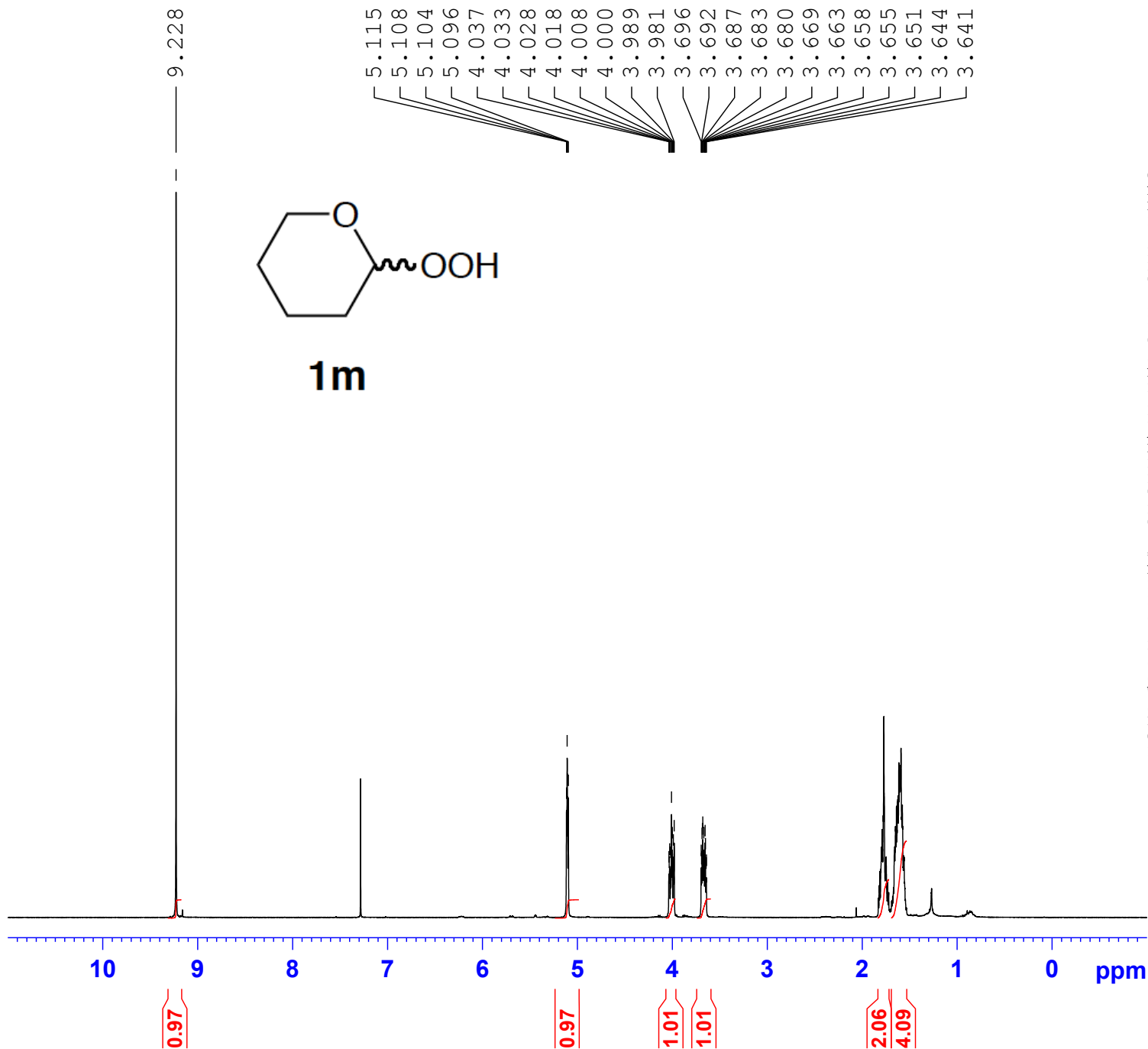


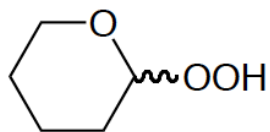
Current Data Parameters
NAME TFish0587_product_031010
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20100310
Time_ 12.19
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 90.5
DW 60.400 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 10.25 usec
PL1 -3.35 dB
SFO1 400.1324710 MHz

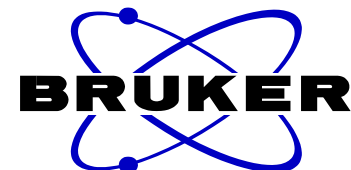
F2 - Processing parameters
SI 131072
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





1m

102.58
62.88
27.35
25.01
19.58



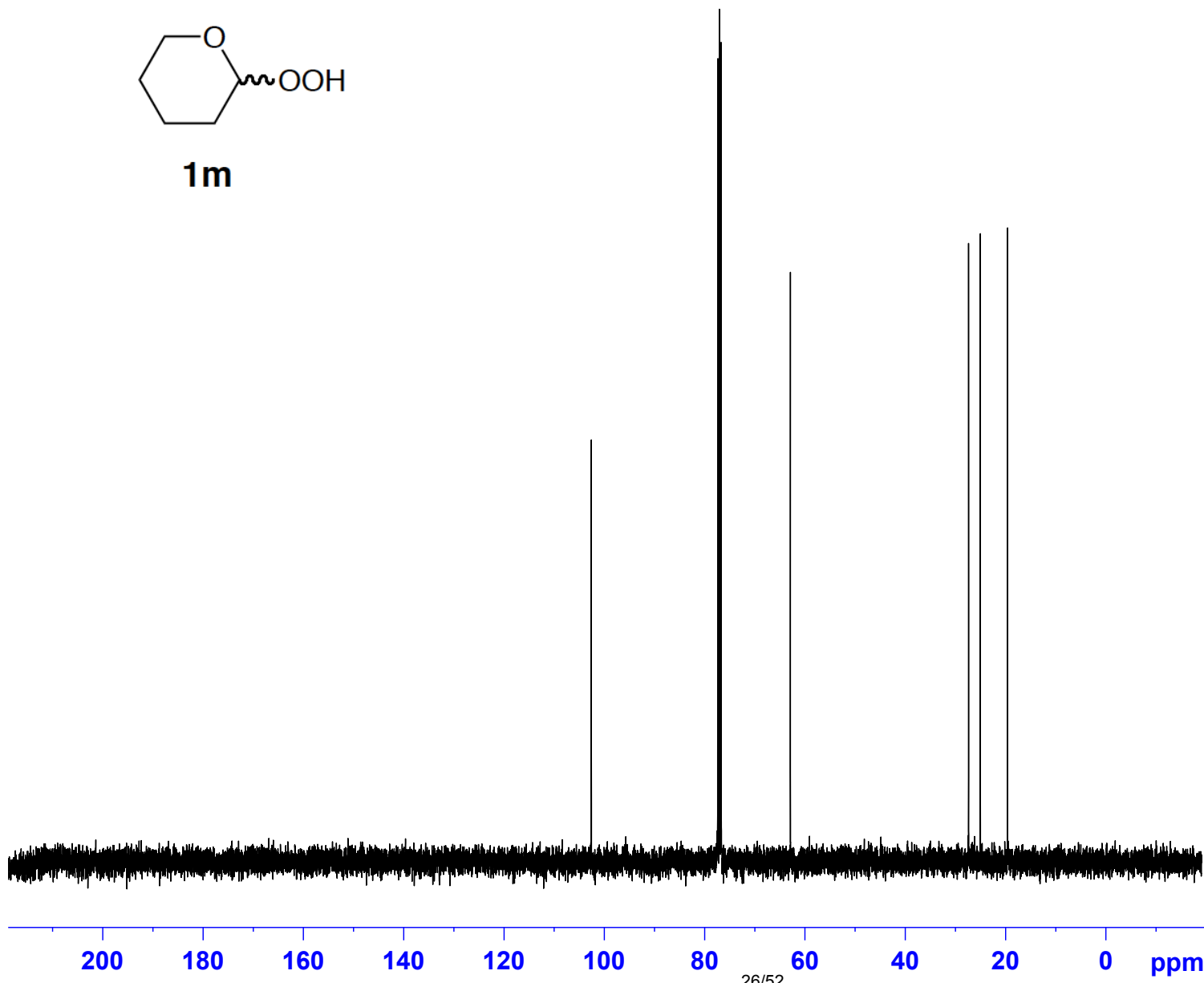
Current Data Parameters
 NAME TFish0587_product_031010
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20100310
 Time 12.25
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 82
 DS 4
 SWH 23980.814 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 812.7
 DW 20.850 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

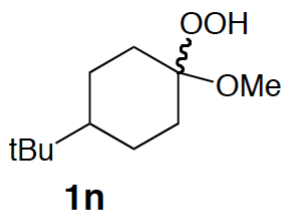
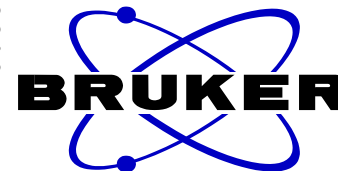
===== CHANNEL f1 =====
 NUC1 13C
 P1 10.00 usec
 PL1 0.50 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 70.00 usec
 PL2 -3.35 dB
 PL12 13.34 dB
 PL13 13.34 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127690 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40



7.503
7.478
3.344
3.308
2.259
2.251
2.224
2.216
2.162
2.154
2.127
2.124
2.119
2.111
1.740
1.734
1.720
1.708
1.622
1.423
1.413
1.406
1.389
1.379
1.356
1.346
1.276
1.241
1.235
1.210
1.203
1.178
1.170
1.145
1.137
1.091
1.084
1.076
1.061
1.054
1.047
1.041
1.024
0.887

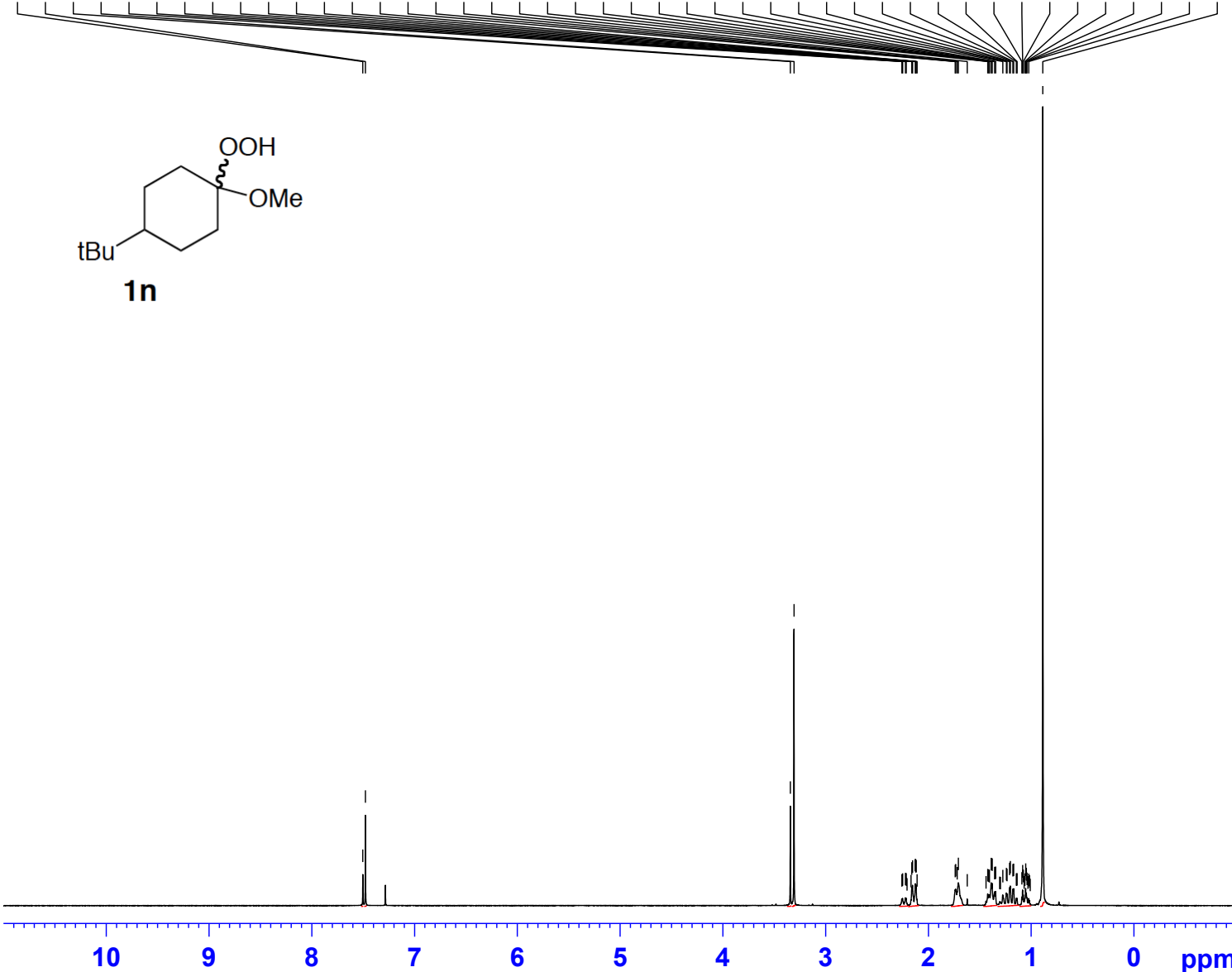


Current Data Parameters
 NAME TFish0580_product_030310
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20100303
 Time_ 19.46
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.126314 Hz
 AQ 3.9584243 sec
 RG 90.5
 DW 60.400 usec
 DE 6.50 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 12.00 usec
 PL1 -3.35 dB
 SFO1 400.1324710 MHz

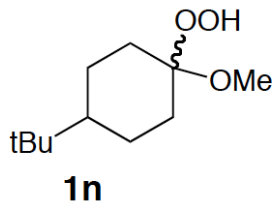
F2 - Processing parameters
 SI 65536
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



0.25
0.68

0.79
2.18

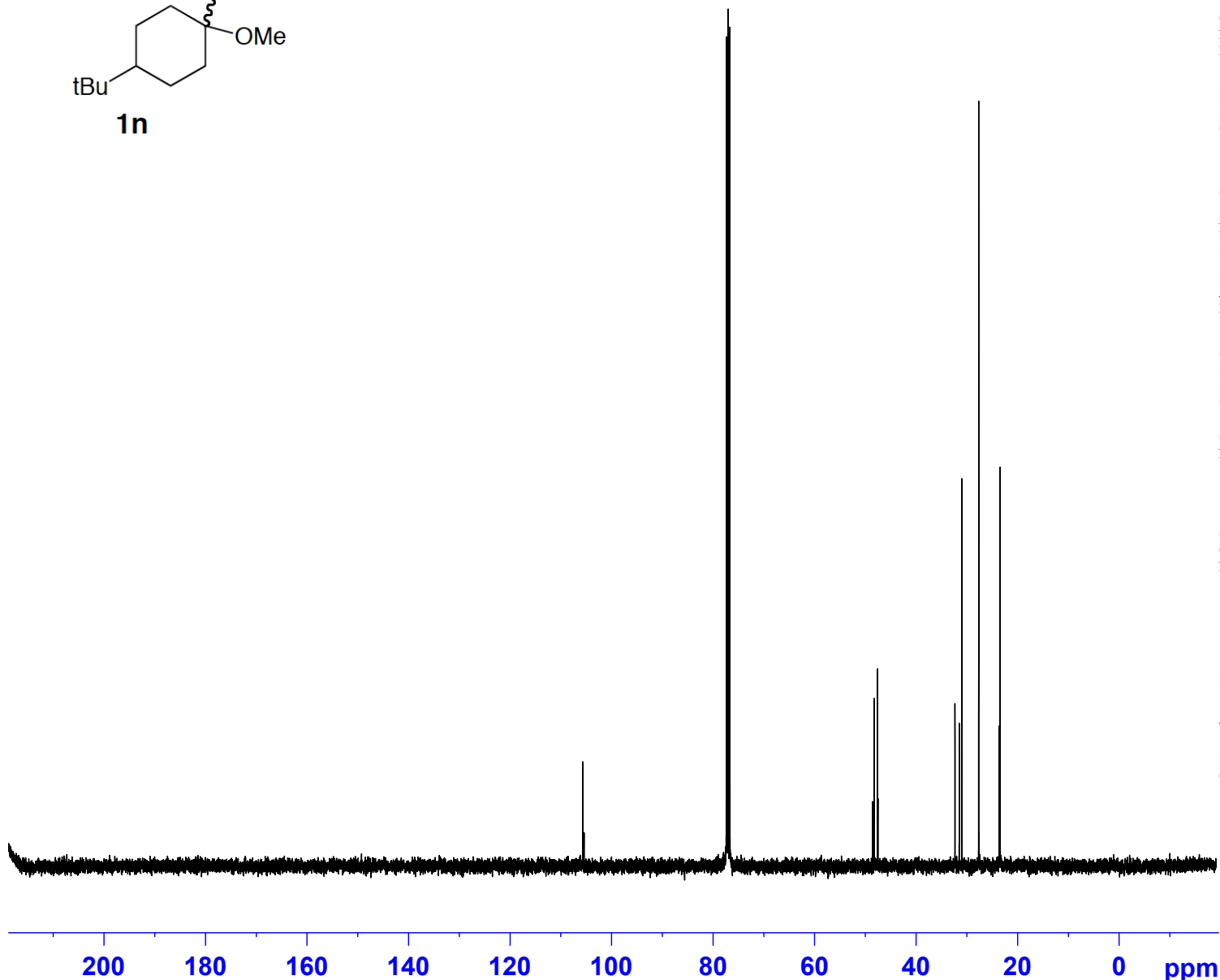
0.54
1.52
2.07
2.12
2.38
1.14
9.06



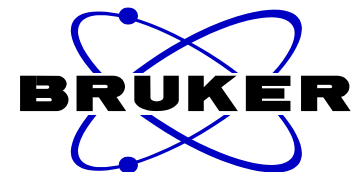
105.66
105.38

48.52
48.25
47.57
47.48

32.31
31.47
30.95
27.63
23.63
23.41



28/52



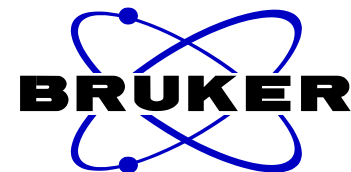
Current Data Parameters
 NAME TFish0580_product_030310
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20100303
 Time_ 19.56
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 379
 DS 4
 SWH 23980.814 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 1149.4
 DW 20.850 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 10.00 usec
 PL1 0.50 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 70.00 usec
 PL2 -3.35 dB
 PL12 11.97 dB
 PL13 11.97 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 65536
 SF 100.6127690 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

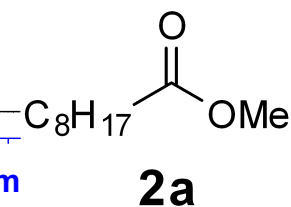
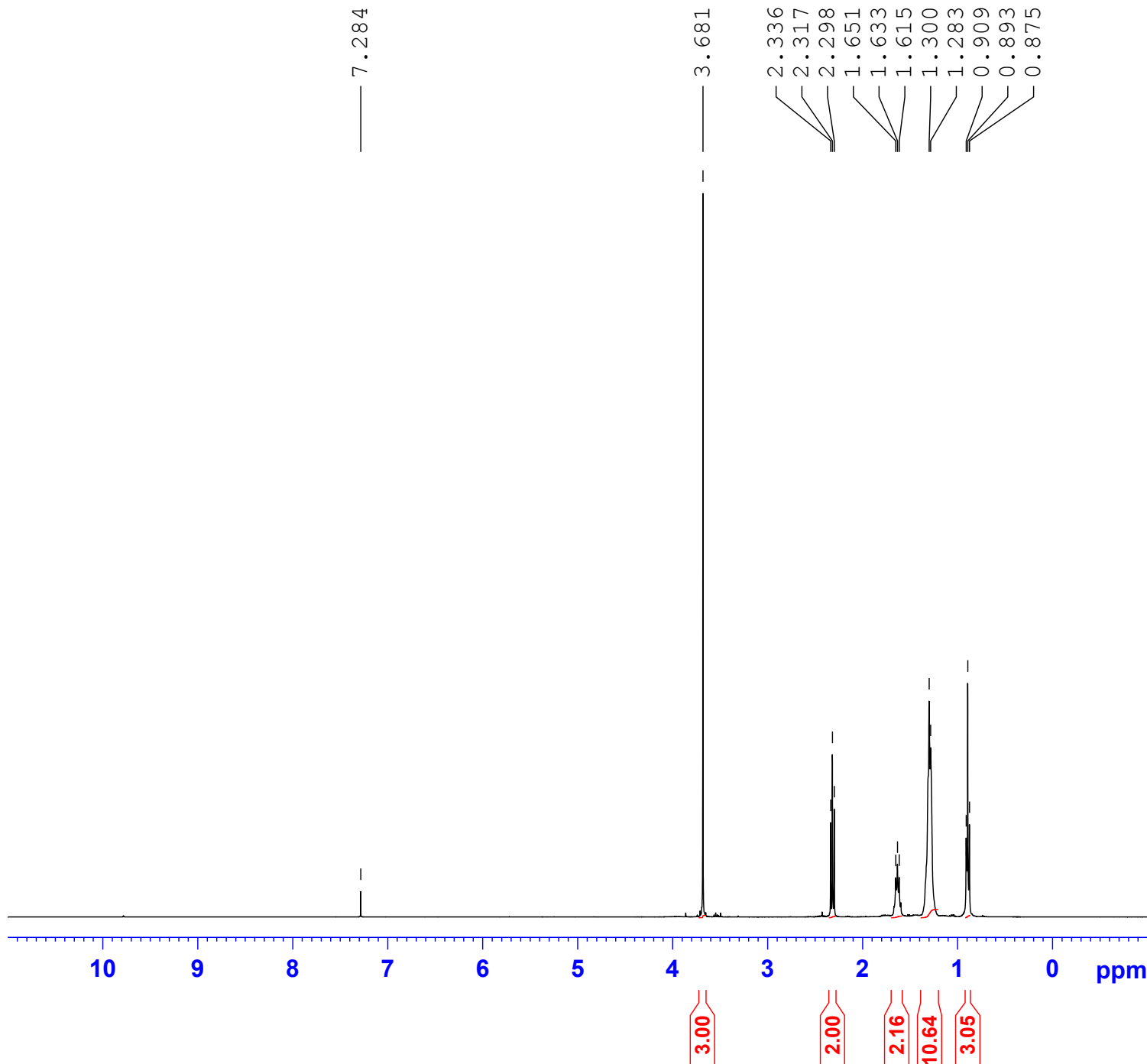


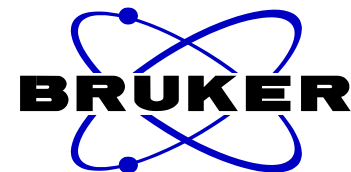
Current Data Parameters
NAME TFish0448_crude_062609
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090626
Time_ 13.07
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 71.8
DW 60.400 usec
DE 6.50 usec
TE 295.4 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





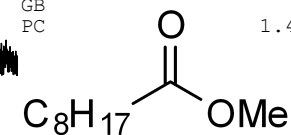
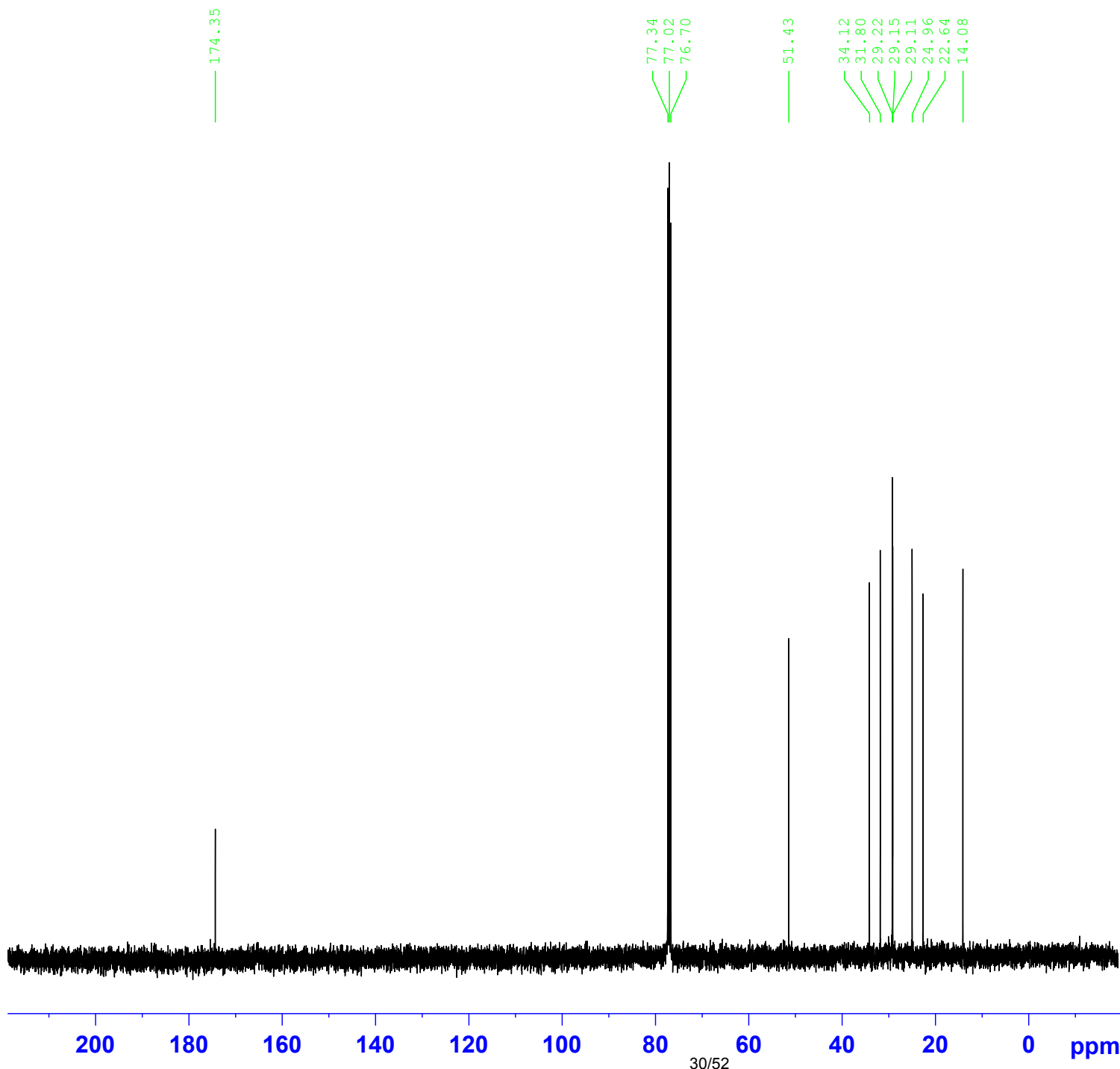
Current Data Parameters
NAME TFish0448_crude_062609
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090626
Time_ 13.11
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 117
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 4597.6
DW 20.850 usec
DE 6.50 usec
TE 295.8 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

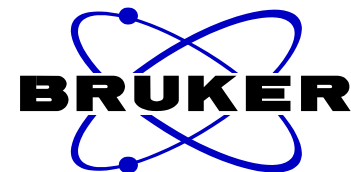
==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



2a



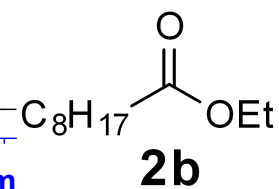
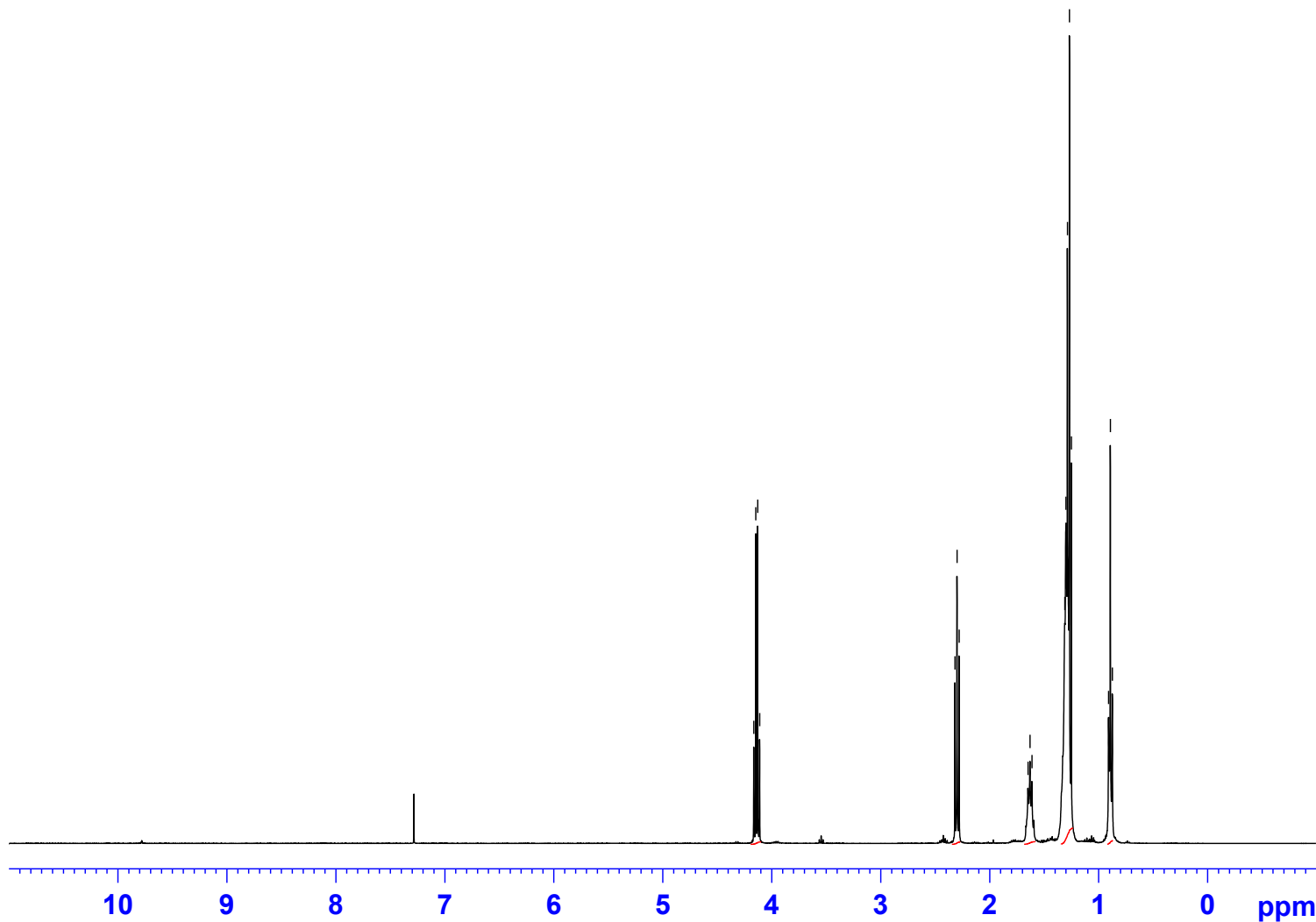
Current Data Parameters
NAME TFish0454_crude_063009
EXPNO 1
PROCNO 1

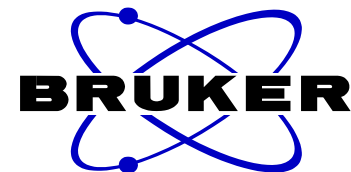
F2 - Acquisition Parameters
Date_ 20090630
Time_ 10.23
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 64
DW 60.400 usec
DE 6.50 usec
TE 295.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

4.165
4.147
4.129
4.111
2.318
2.300
2.281
1.649
1.631
1.612
1.310
1.300
1.286
1.269
1.251
0.909
0.892
0.875





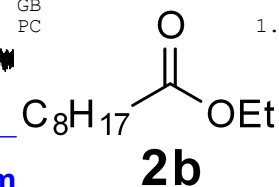
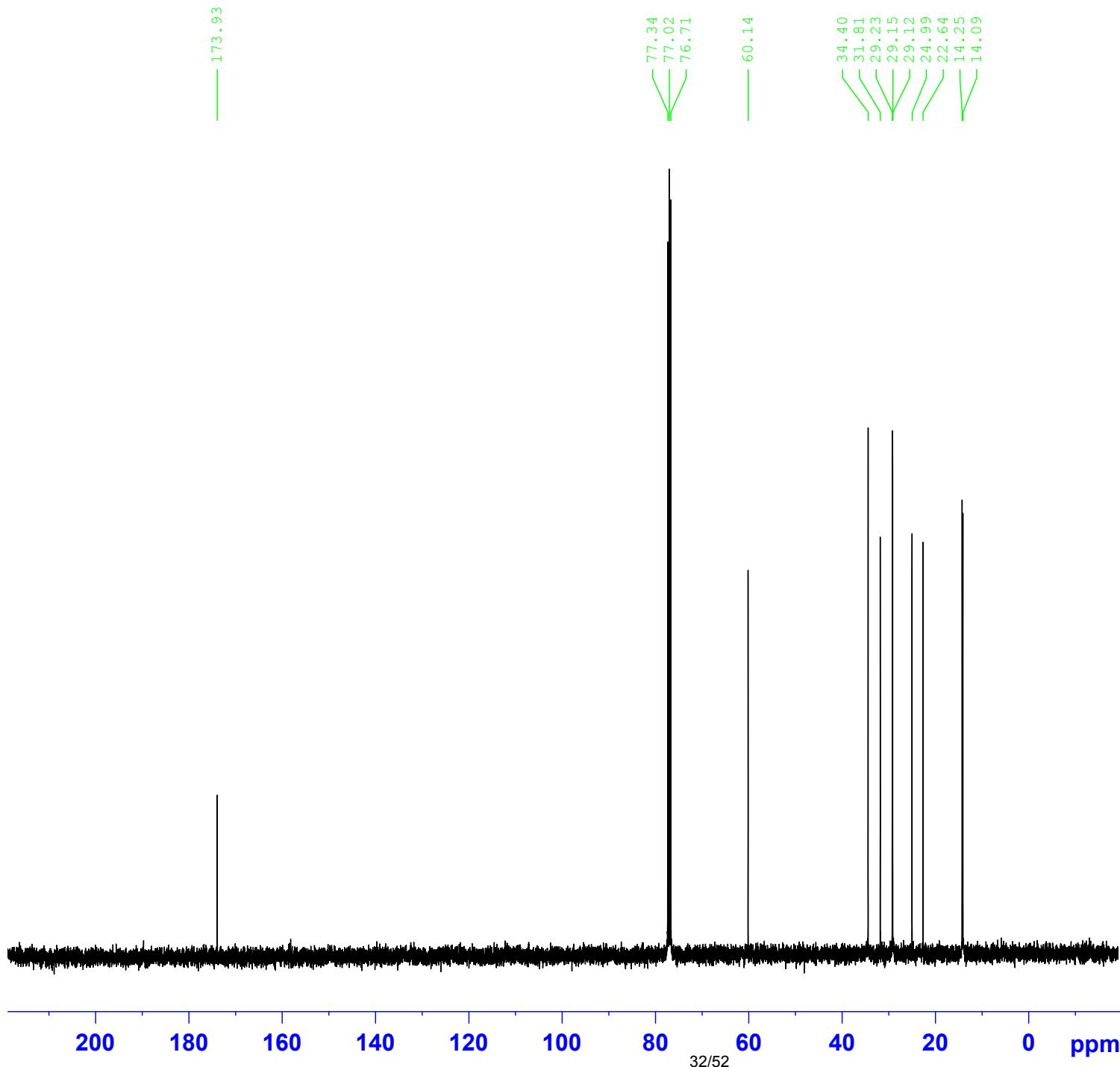
Current Data Parameters
NAME TFish0454_crude_063009
EXPNO 2
PROCNO 1

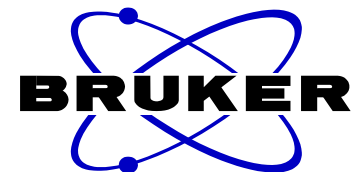
F2 - Acquisition Parameters
Date_ 20090630
Time_ 10.27
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 194
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 5792.6
DW 20.850 usec
DE 6.50 usec
TE 295.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





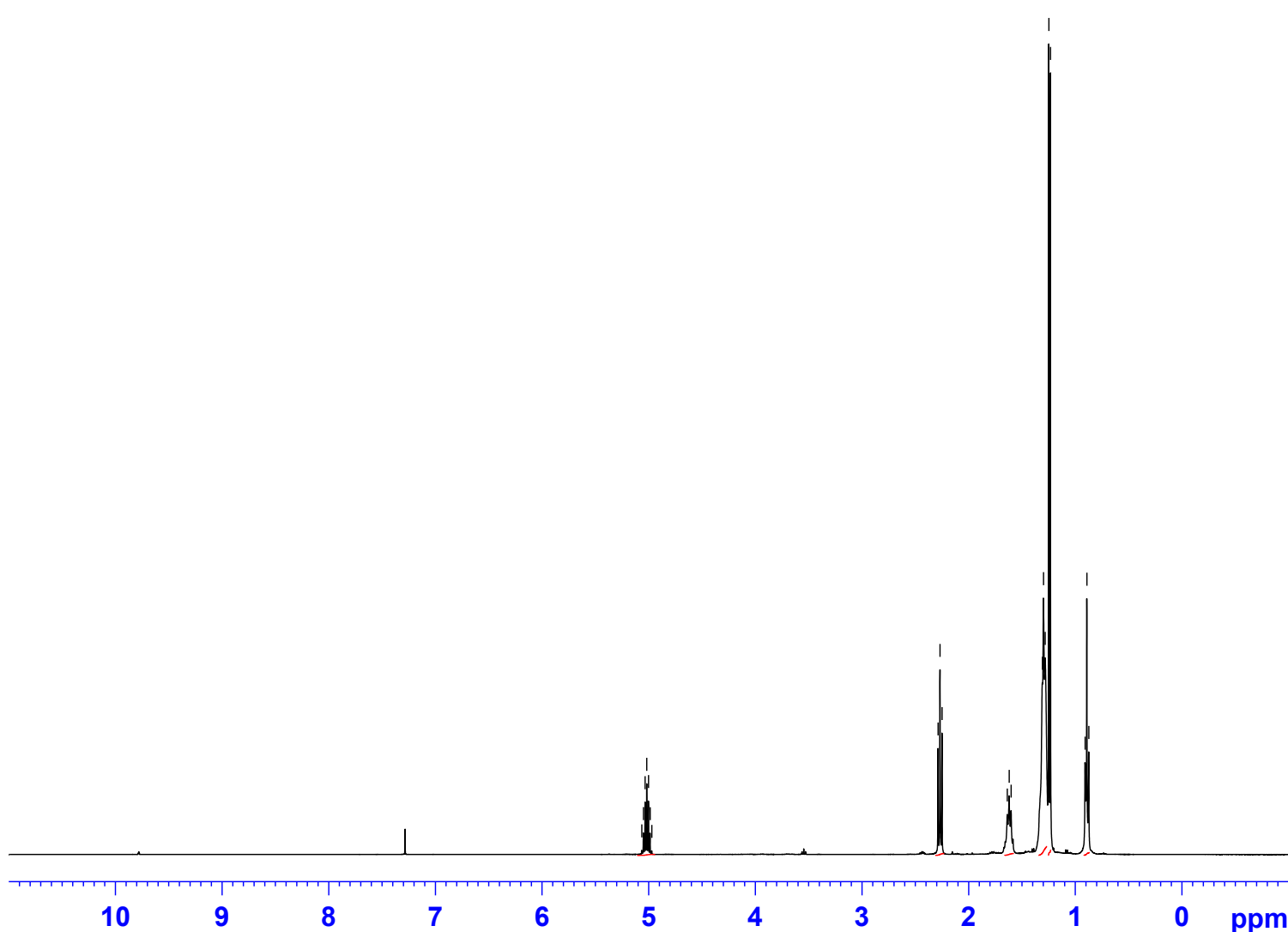
Current Data Parameters
NAME TFish0455_crude_063009
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090630
Time_ 18.57
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 57
DW 60.400 usec
DE 6.50 usec
TE 295.2 K
D1 1.00000000 sec
TD0 1

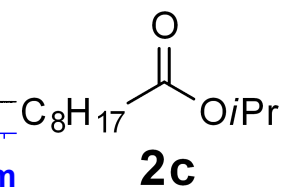
===== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

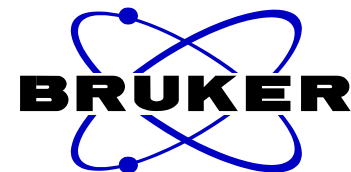
F2 - Processing parameters
SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

5.065
5.049
5.033
5.018
5.002
4.986
4.971
2.287
2.268
2.249
1.638
1.620
1.602
1.308
1.298
1.283
1.248
1.232
0.908
0.891
0.874



1.00
2.07
2.13
10.24
6.24
3.19





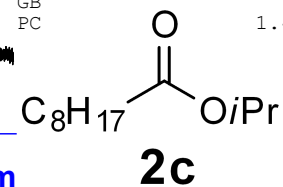
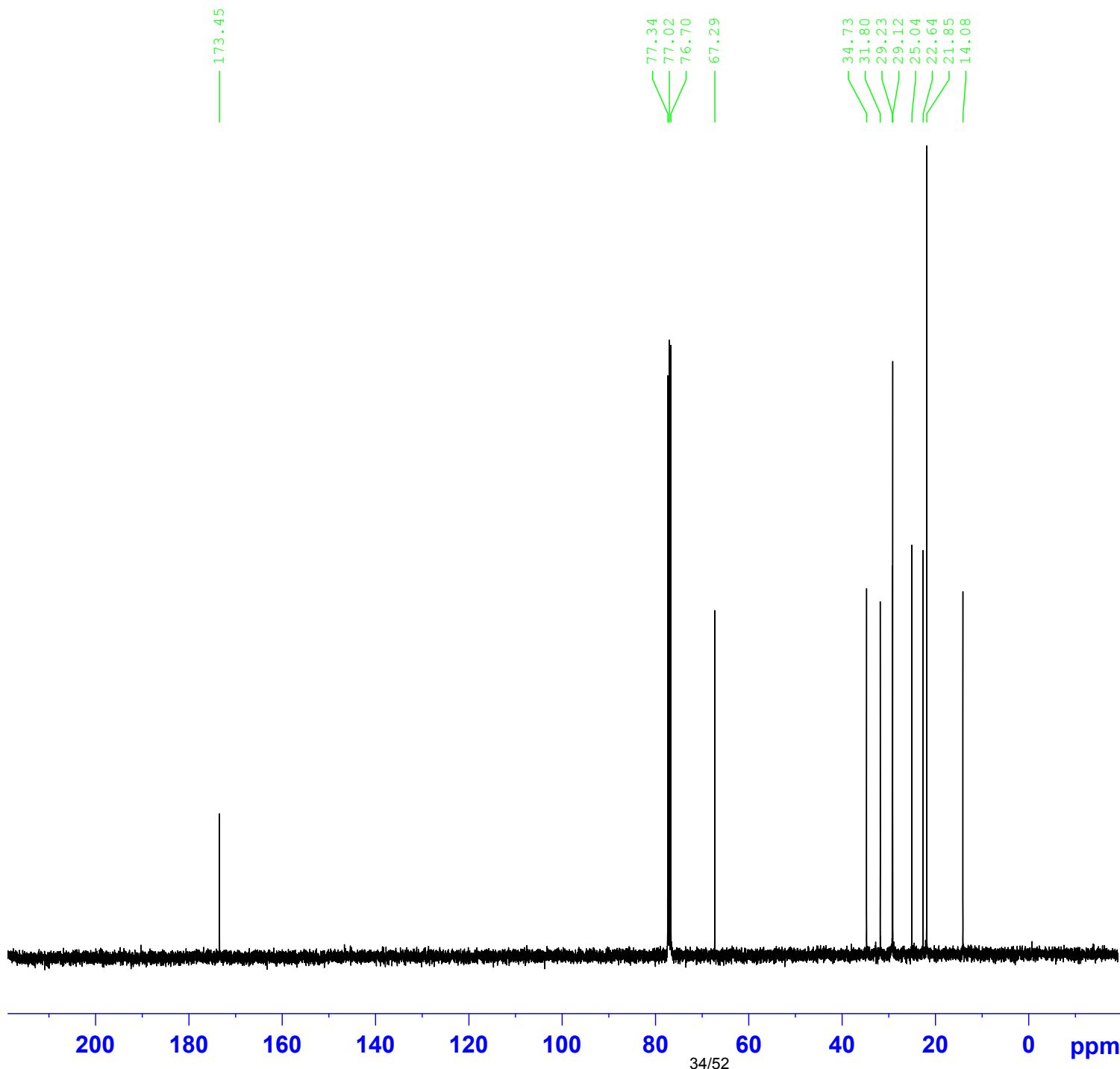
Current Data Parameters
NAME TFish0455_crude_063009
EXPNO 2
PROCNO 1

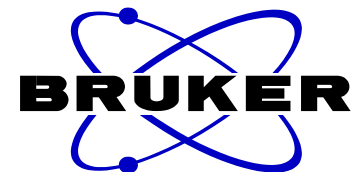
F2 - Acquisition Parameters
Date_ 20090630
Time_ 19.02
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 222
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 5160.6
DW 20.850 usec
DE 6.50 usec
TE 296.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





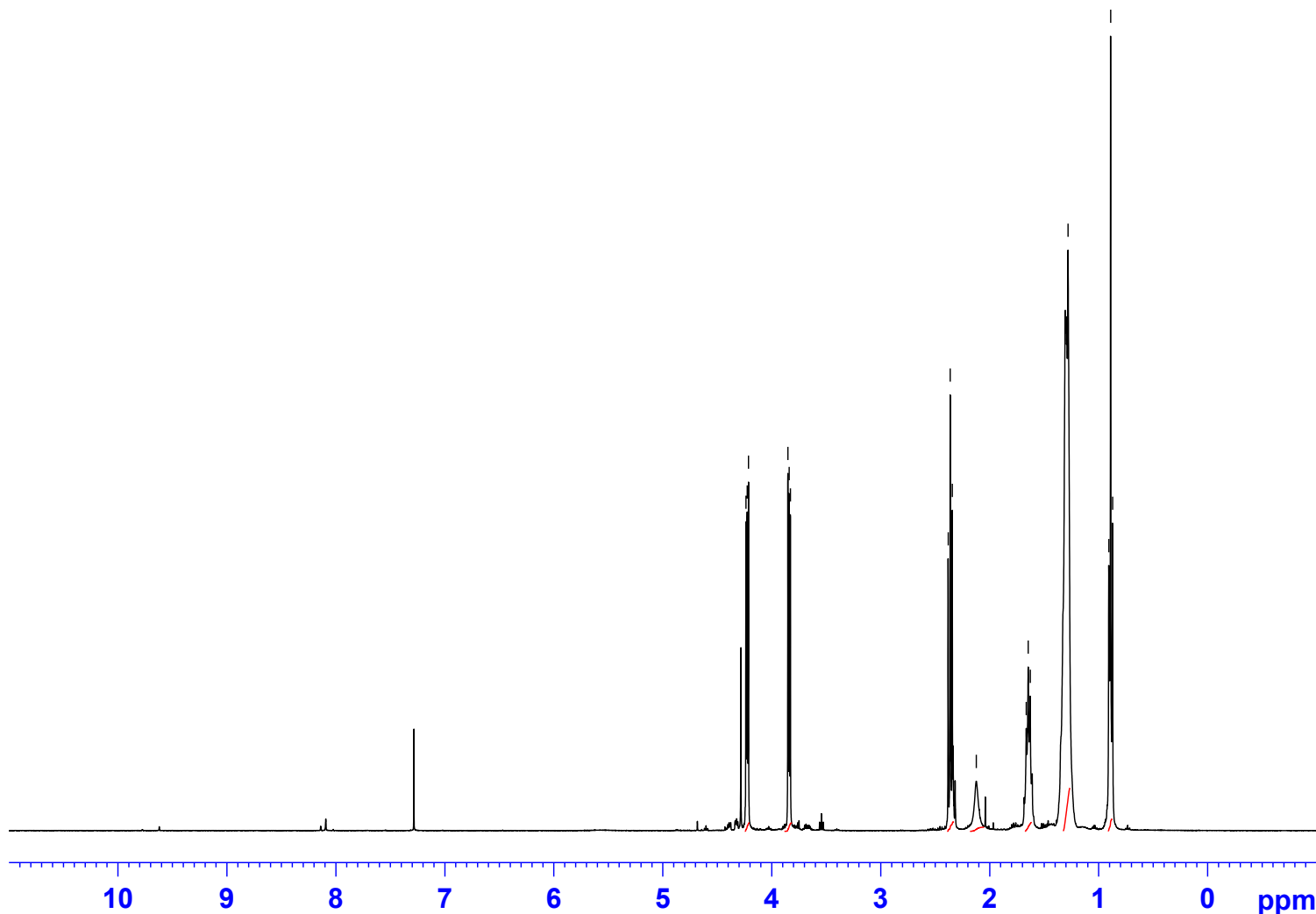
Current Data Parameters
NAME TFish0456_crude_063009
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090630
Time_ 19.15
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 71.8
DW 60.400 usec
DE 6.50 usec
TE 295.4 K
D1 1.00000000 sec
TD0 1

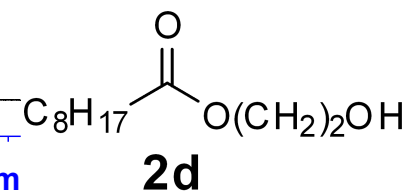
===== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

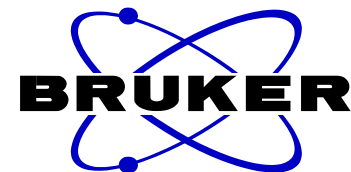
F2 - Processing parameters
SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

4.237
4.229
4.225
4.221
4.213
3.852
3.845
3.840
3.836
3.829
2.381
2.362
2.343
2.123
1.664
1.646
1.628
1.281
0.907
0.890
0.873



2.03
2.00
2.31
1.01
2.19
10.47
3.09





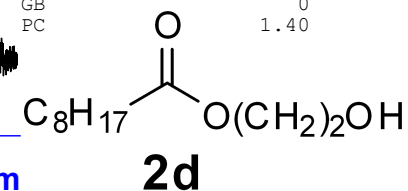
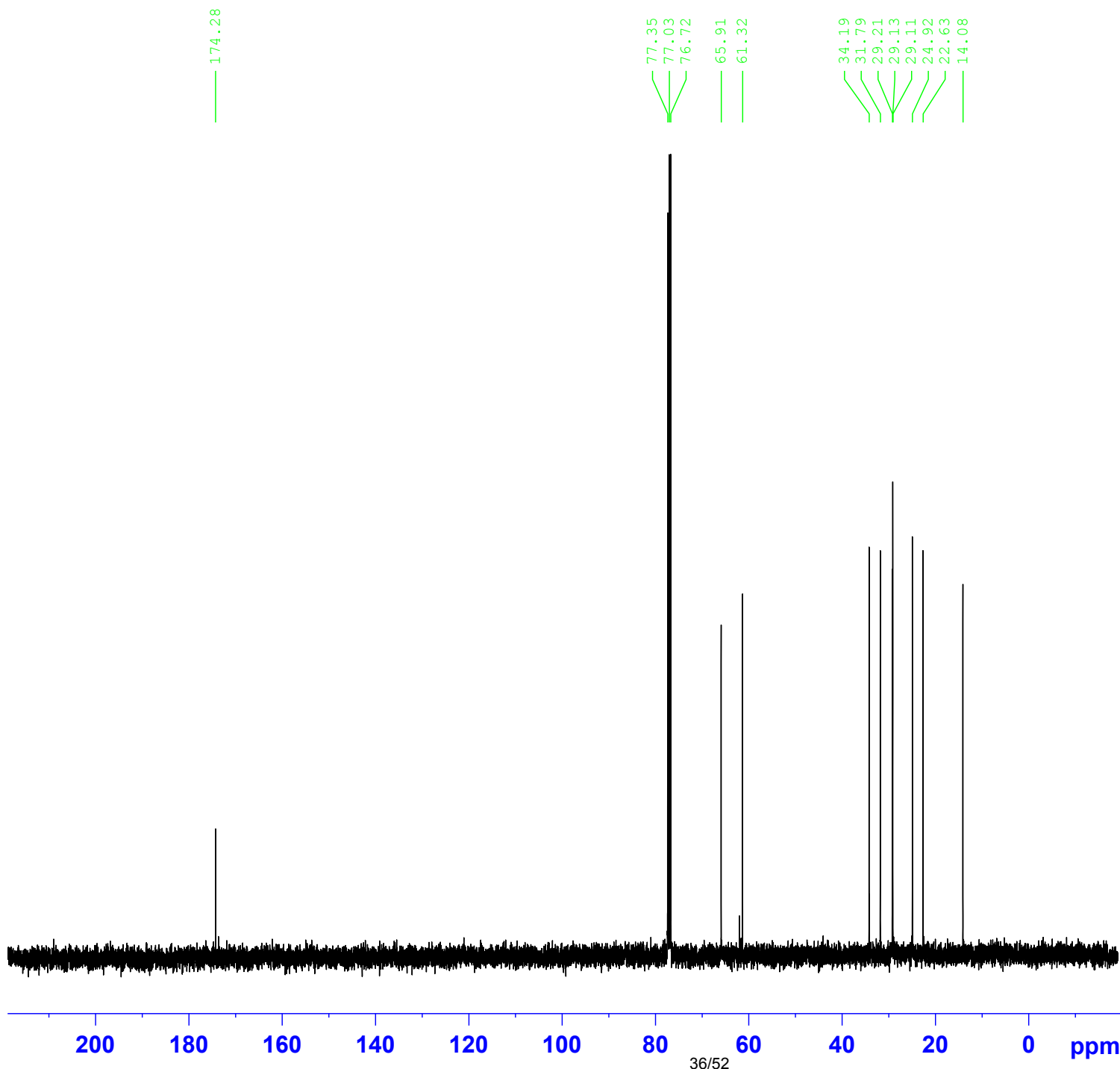
Current Data Parameters
NAME TFish0456_crude_063009
EXPNO 2
PROCNO 1

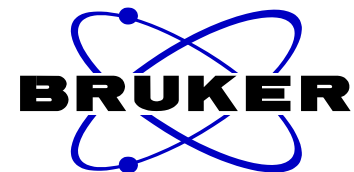
F2 - Acquisition Parameters
Date_ 20090630
Time_ 19.24
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 132
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 5160.6
DW 20.850 usec
DE 6.50 usec
TE 296.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





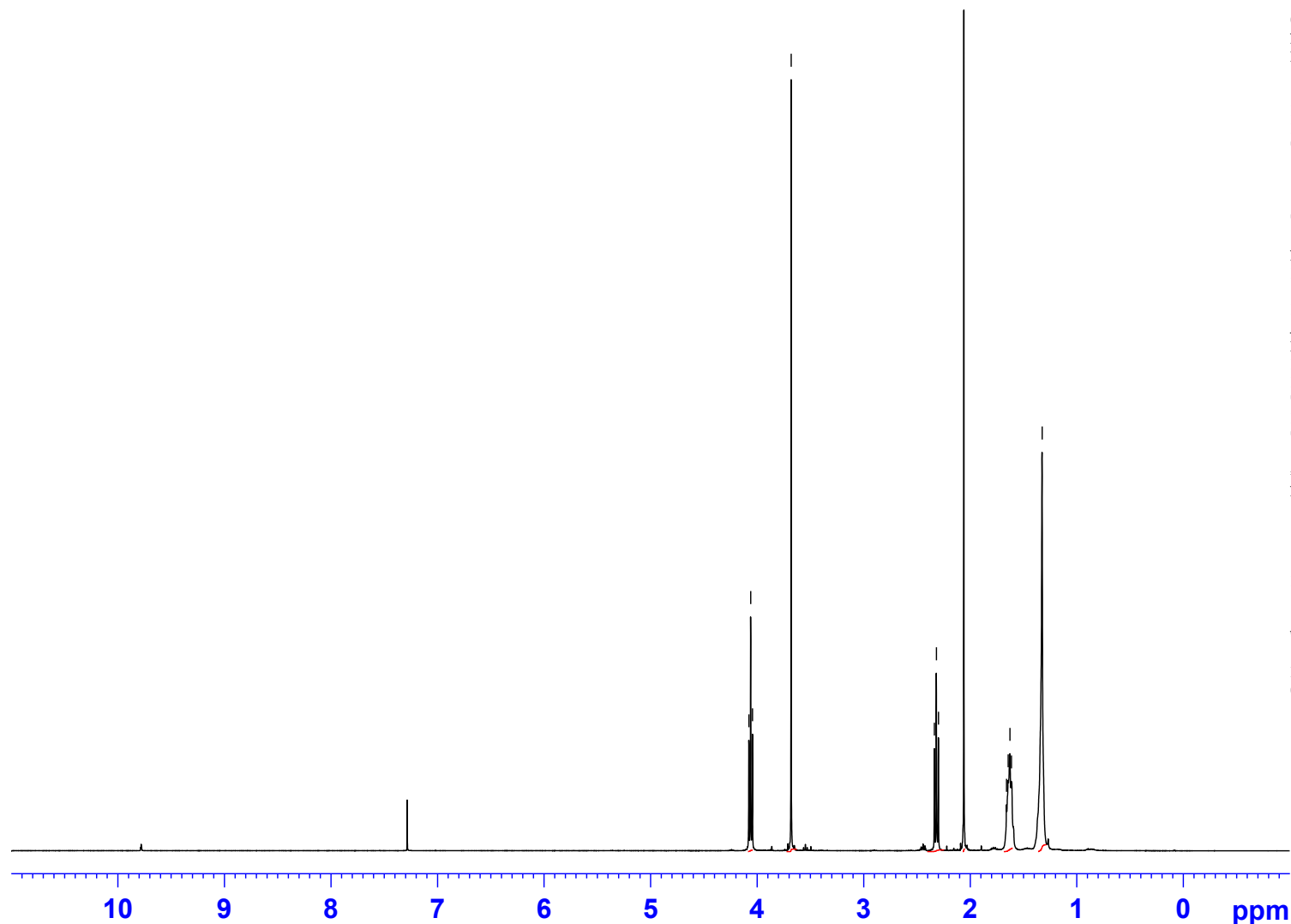
Current Data Parameters
NAME TFish0445_crude_062409
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090624
Time_ 17.19
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 90.5
DW 60.400 usec
DE 6.50 usec
TE 296.1 K
D1 1.00000000 sec
TD0 1

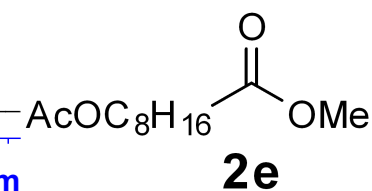
==== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

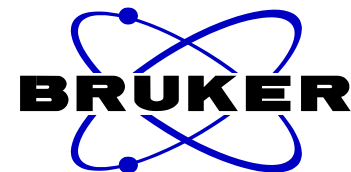
F2 - Processing parameters
SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

4.077
4.061
4.044
3.681
2.336
2.318
2.299
2.060
1.659
1.644
1.627
1.613
1.326



2.09
2.93
2.00
3.04
4.10
8.11





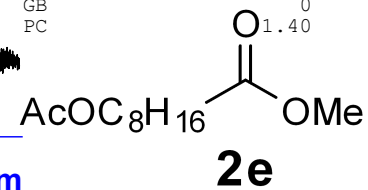
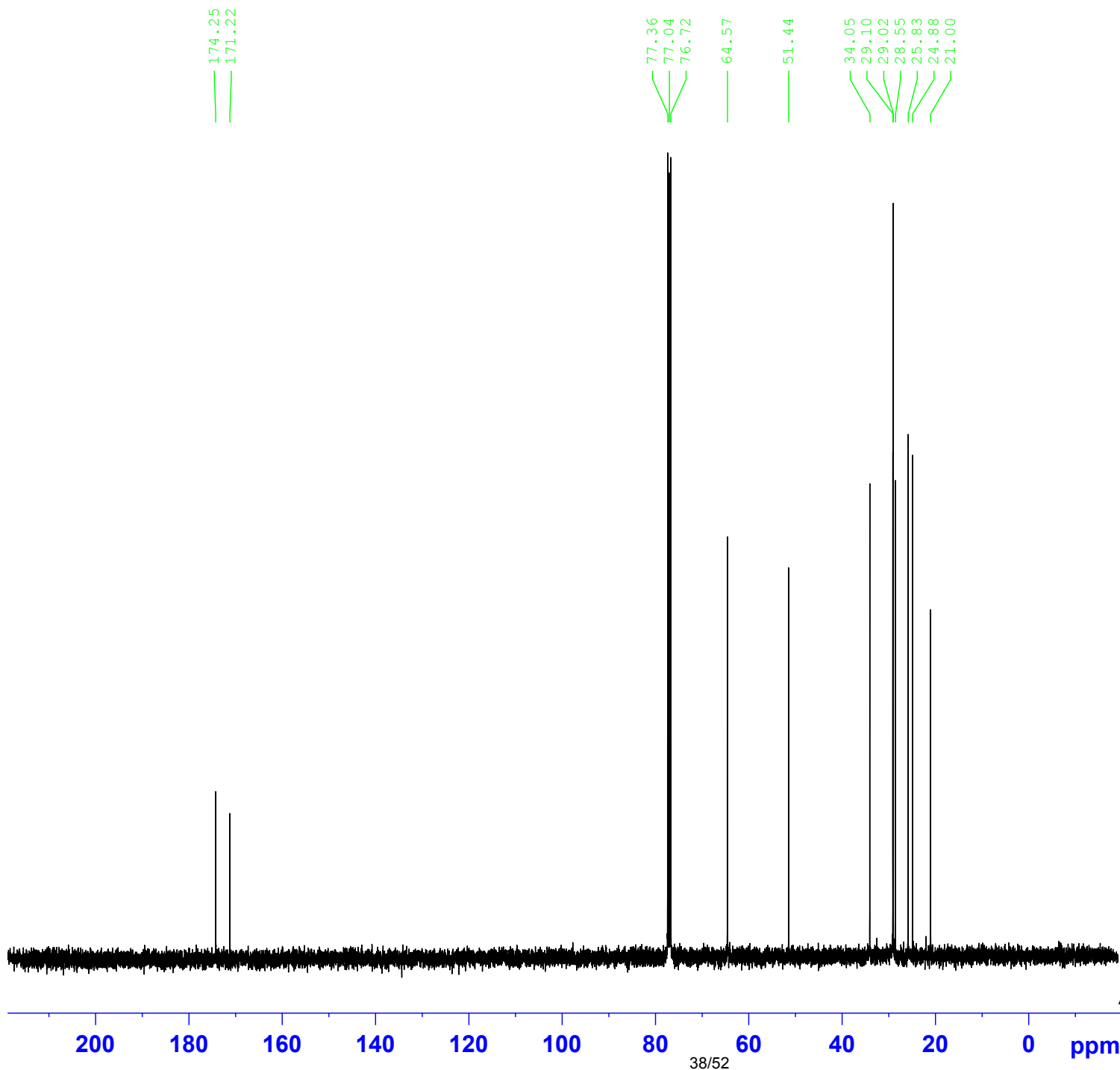
Current Data Parameters
NAME TFish0445_crude_062409
EXPNO 2
PROCNO 1

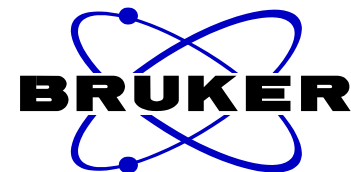
F2 - Acquisition Parameters
Date_ 20090626
Time_ 15.44
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 205
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 5160.6
DW 20.850 usec
DE 6.50 usec
TE 296.3 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





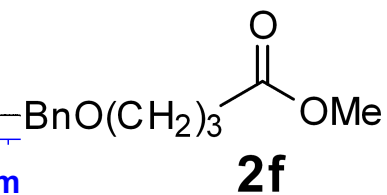
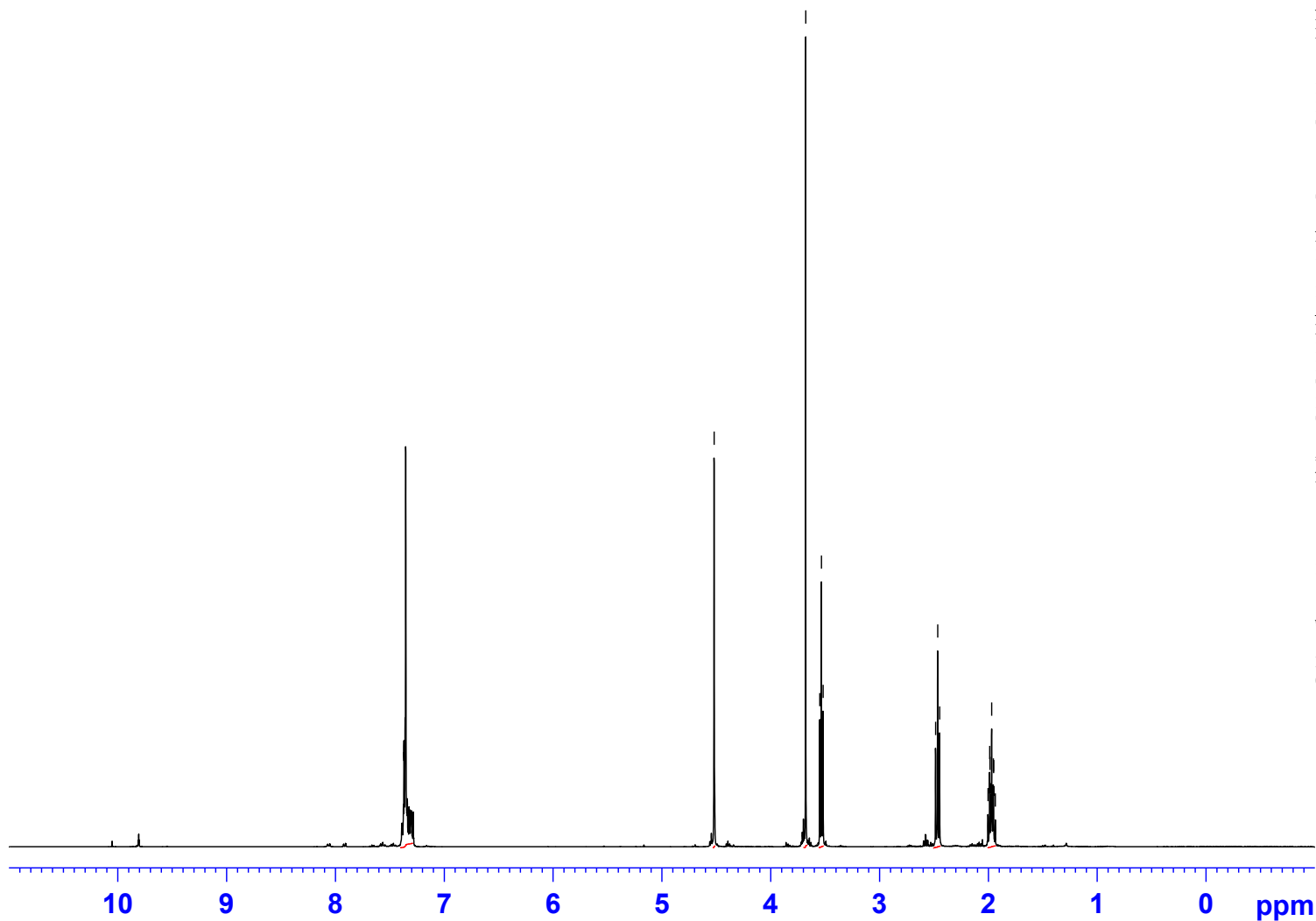
Current Data Parameters
NAME TFish0457_crude_063009
EXPNO 1
PROCNO 1

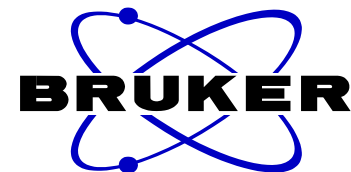
F2 - Acquisition Parameters
Date_ 20090630
Time_ 19.31
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 71.8
DW 60.400 usec
DE 6.50 usec
TE 295.4 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

4.520
3.678
3.550
3.534
3.519
2.485
2.466
2.448
2.003
1.988
1.985
1.976
1.970
1.954
1.951
1.936





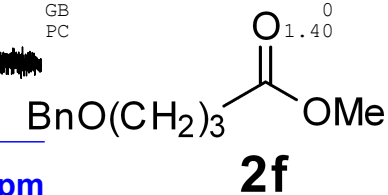
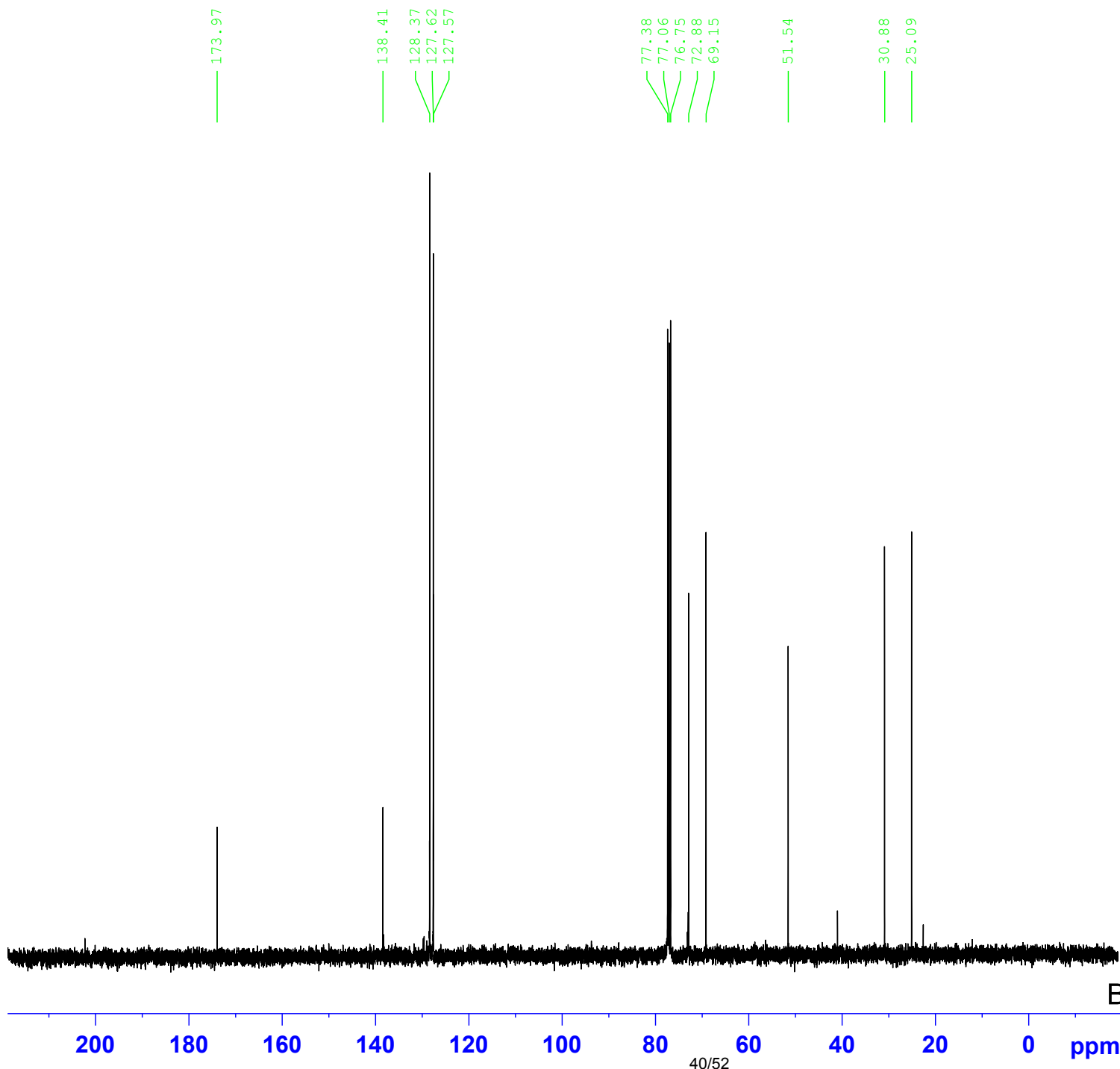
Current Data Parameters
NAME TFish0457_crude_063009
EXPNO 2
PROCNO 1

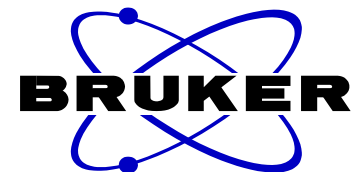
F2 - Acquisition Parameters
Date_ 20090630
Time_ 19.35
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 157
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 4597.6
DW 20.850 usec
DE 6.50 usec
TE 296.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



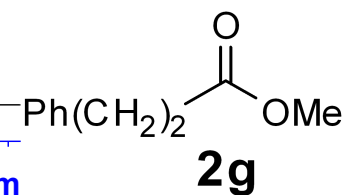
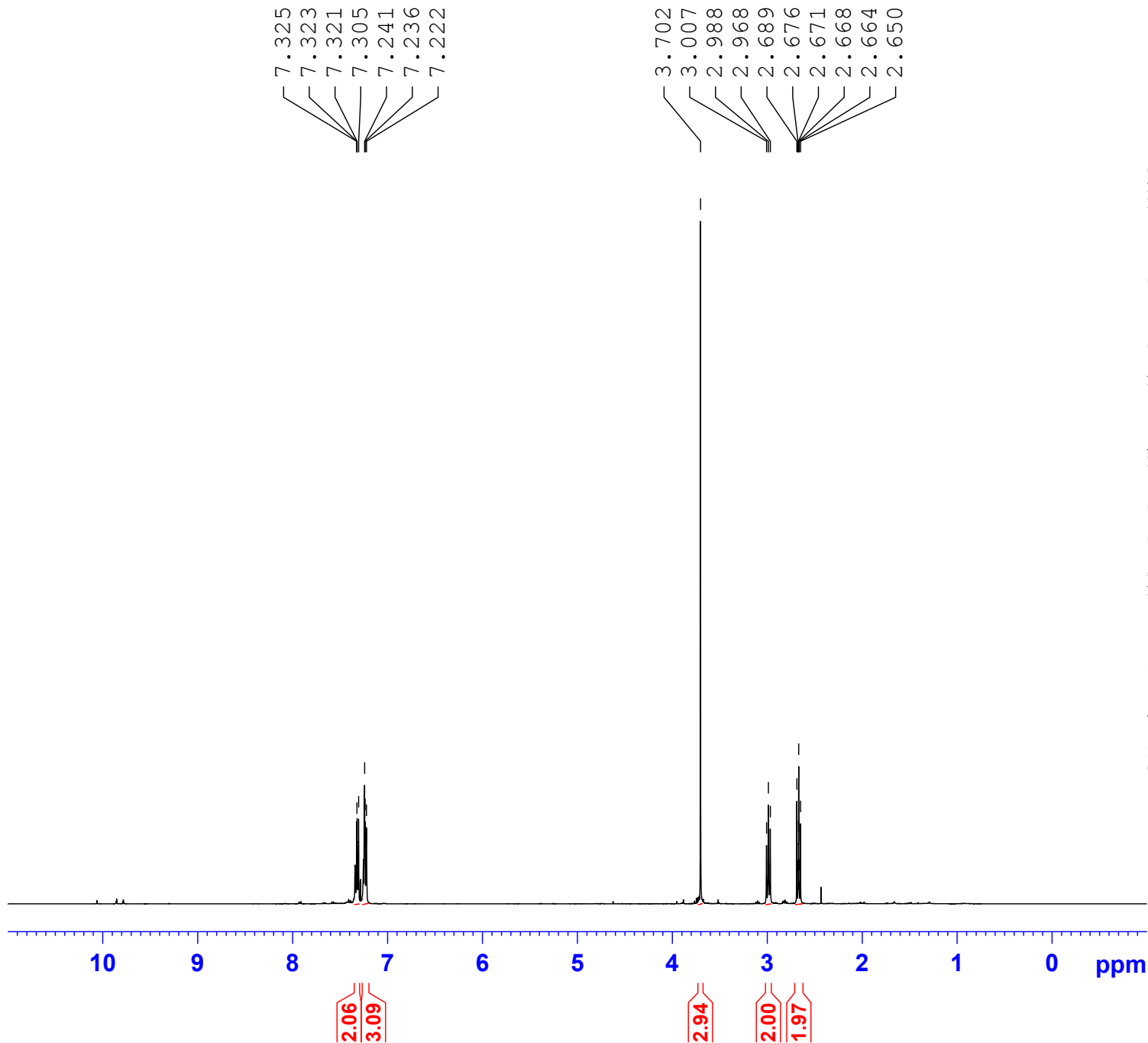


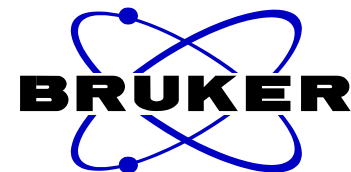
Current Data Parameters
NAME TFish0458_crude_063009
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090630
Time_ 19.46
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 71.8
DW 60.400 usec
DE 6.50 usec
TE 295.4 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -2.50 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





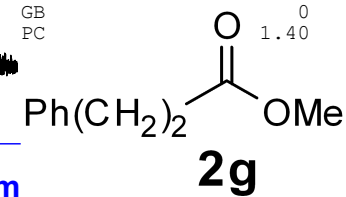
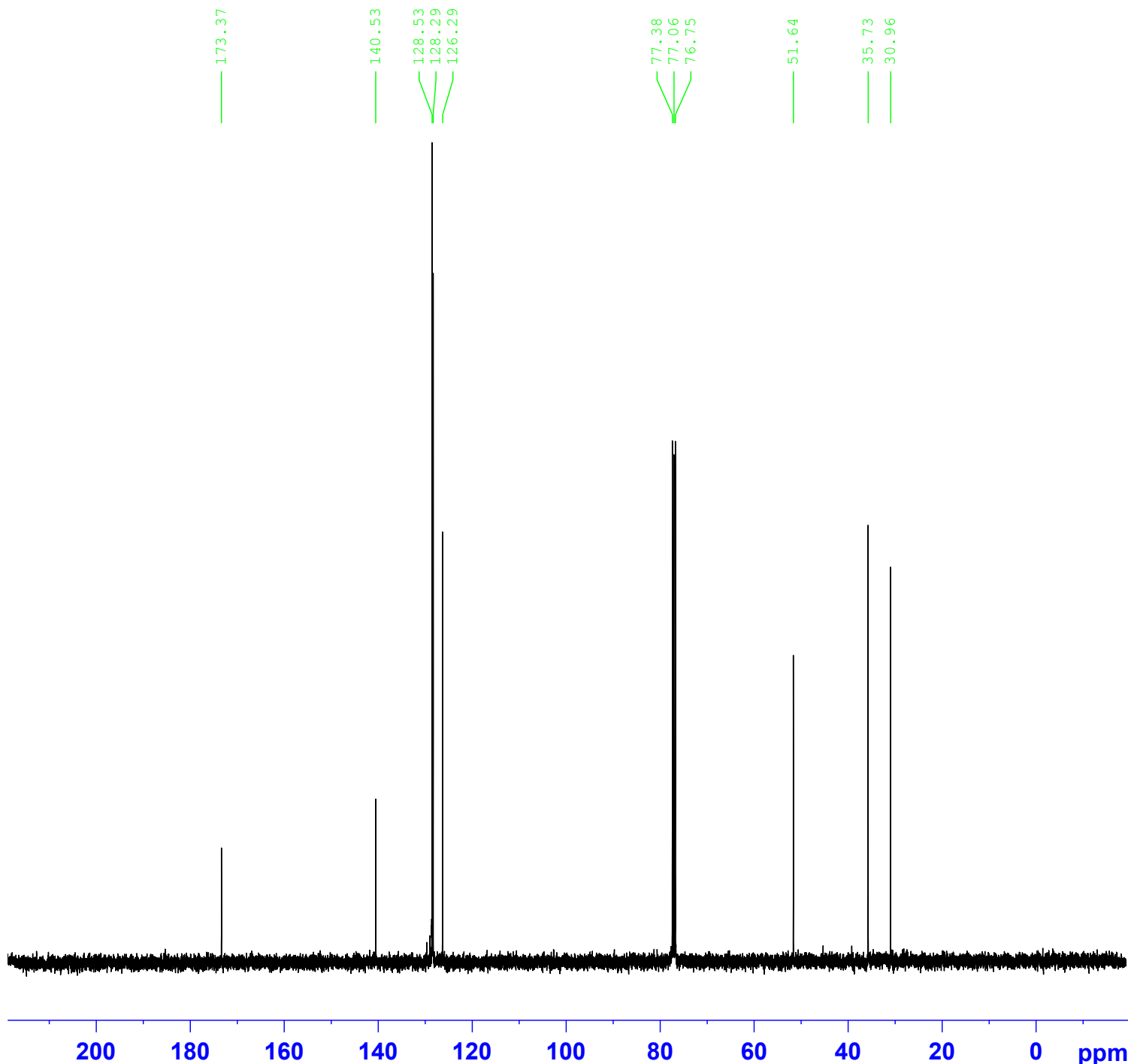
Current Data Parameters
NAME TFish0458_crude_063009
EXPNO 2
PROCNO 1

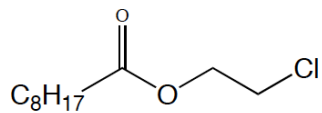
F2 - Acquisition Parameters
Date_ 20090630
Time_ 19.49
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 123
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 4597.6
DW 20.850 usec
DE 6.50 usec
TE 295.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -2.50 dB
PL12 13.62 dB
PL13 13.62 dB
SFO2 400.1316005 MHz

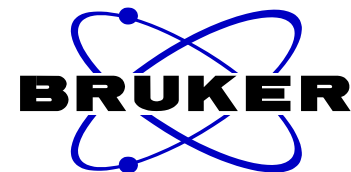
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





2h

4.361
4.347
4.333
3.716
3.703
3.701
3.687
2.389
2.370
2.351
1.692
1.673
1.655
1.637
1.618
1.315
1.304
1.298
1.288
0.913
0.897
0.879

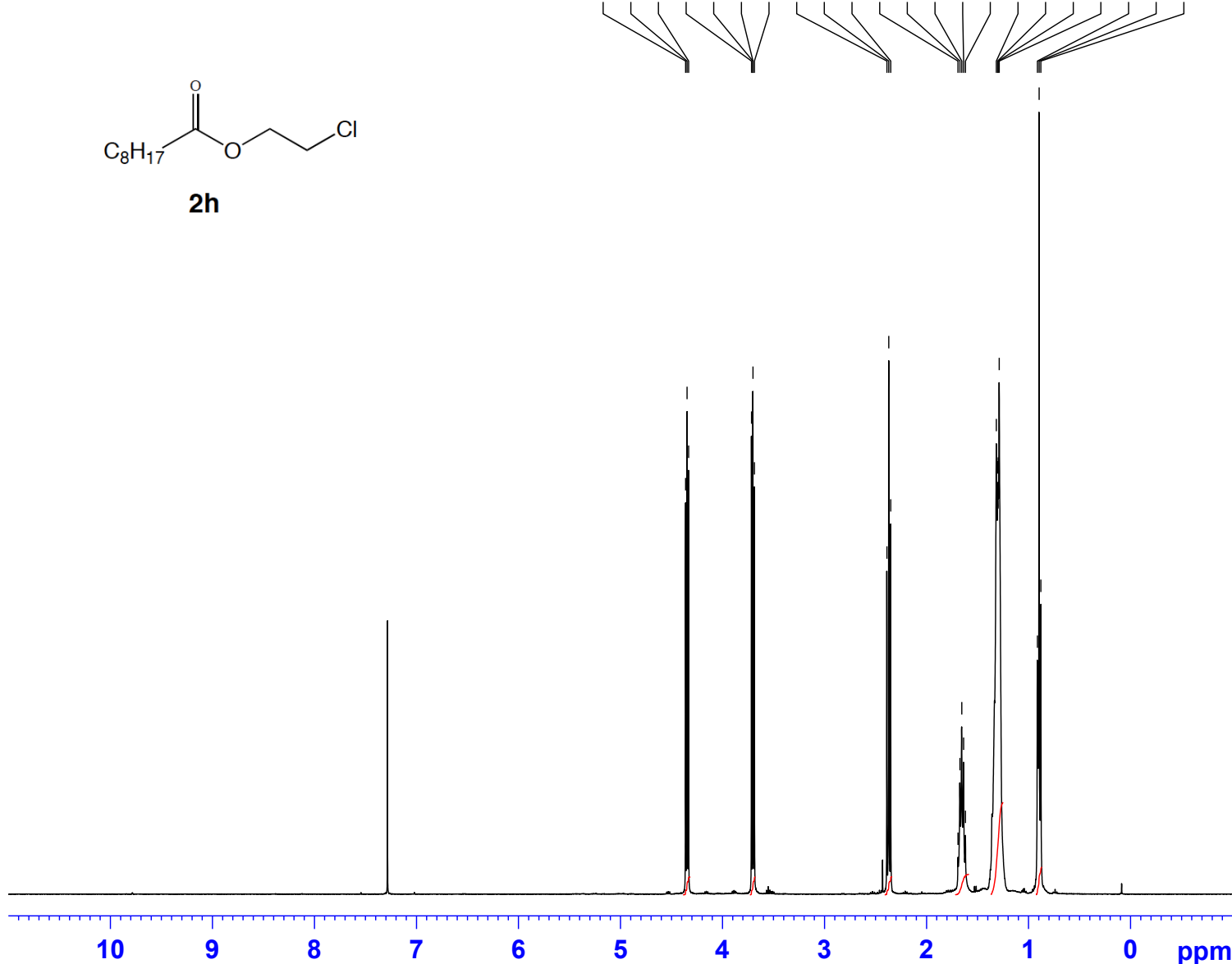


Current Data Parameters
NAME TFish0641_crude_061010
EXPNO 1
PROCNO 1

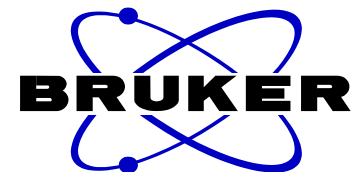
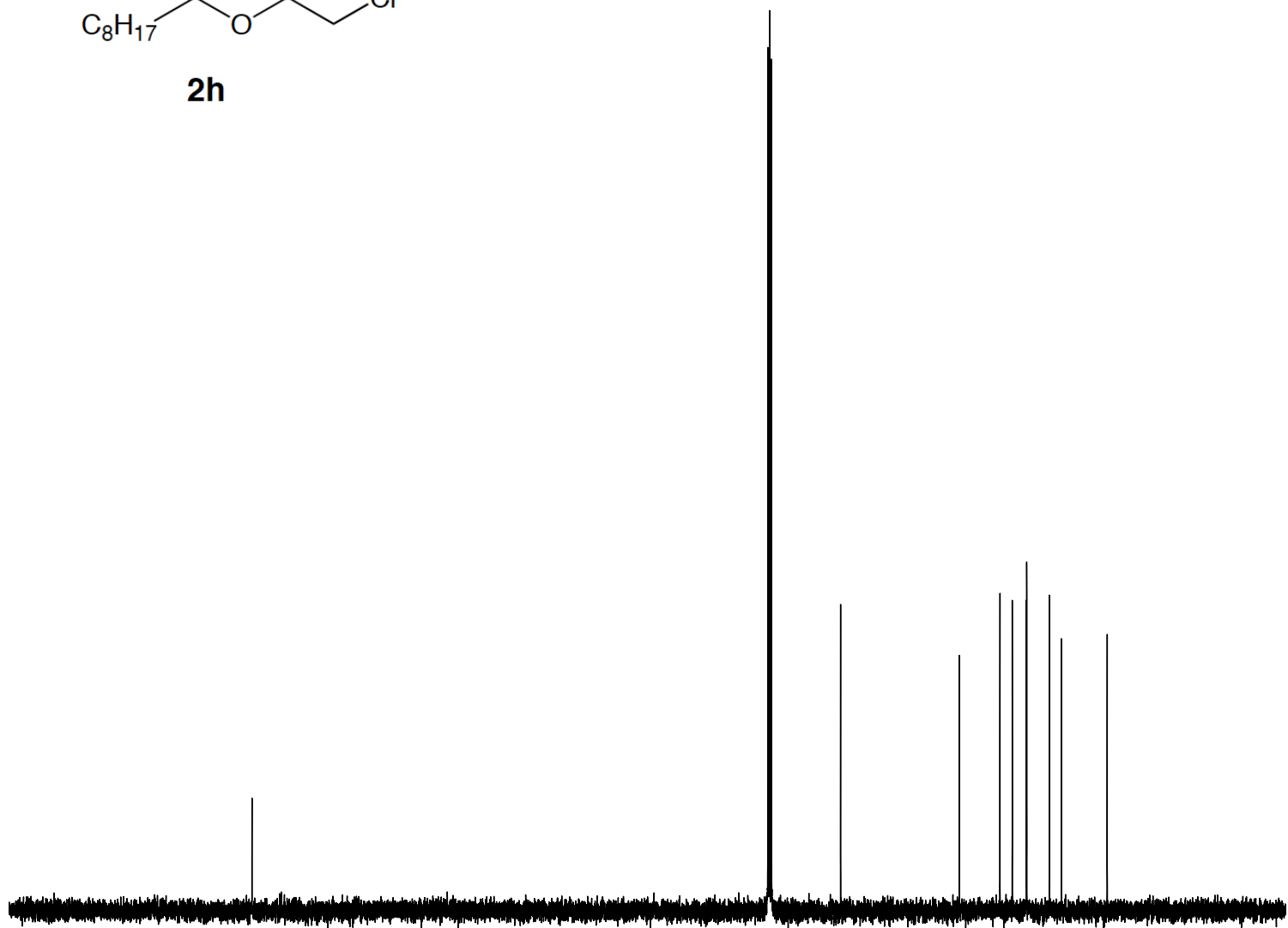
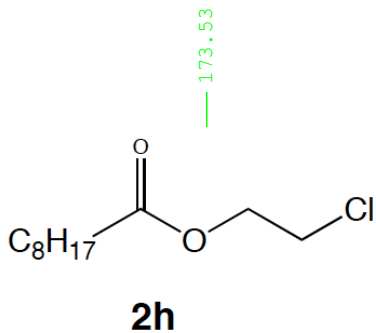
F2 - Acquisition Parameters
Date_ 20100603
Time_ 11.23
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 71.8
DW 60.400 usec
DE 6.50 usec
TE 294.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 10.25 usec
PL1 -3.35 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



2.00
2.00
2.03
2.30
10.39
3.09



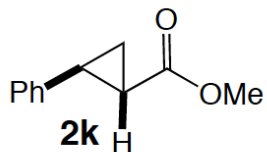
Current Data Parameters
 NAME TFish0641_crude_061010
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20100603
 Time_ 11.29
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 153
 DS 4
 SWH 23980.814 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 32768
 DW 20.850 usec
 DE 6.50 usec
 TE 294.8 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 10.00 usec
 PL1 0.50 dB
 SFO1 100.6228298 MHz

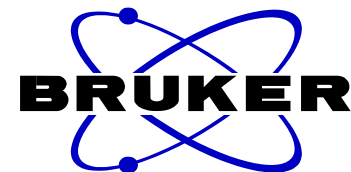
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 70.00 usec
 PL2 -3.35 dB
 PL12 13.34 dB
 PL13 13.34 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127690 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40



7.309
7.230
7.135

3.747
2.584
2.573
2.567
2.561
2.557
2.551
2.545
2.534
1.961
1.950
1.948
1.940
1.937
1.929
1.927
1.916
1.660
1.648
1.647
1.637
1.636
1.625
1.624
1.612
1.381

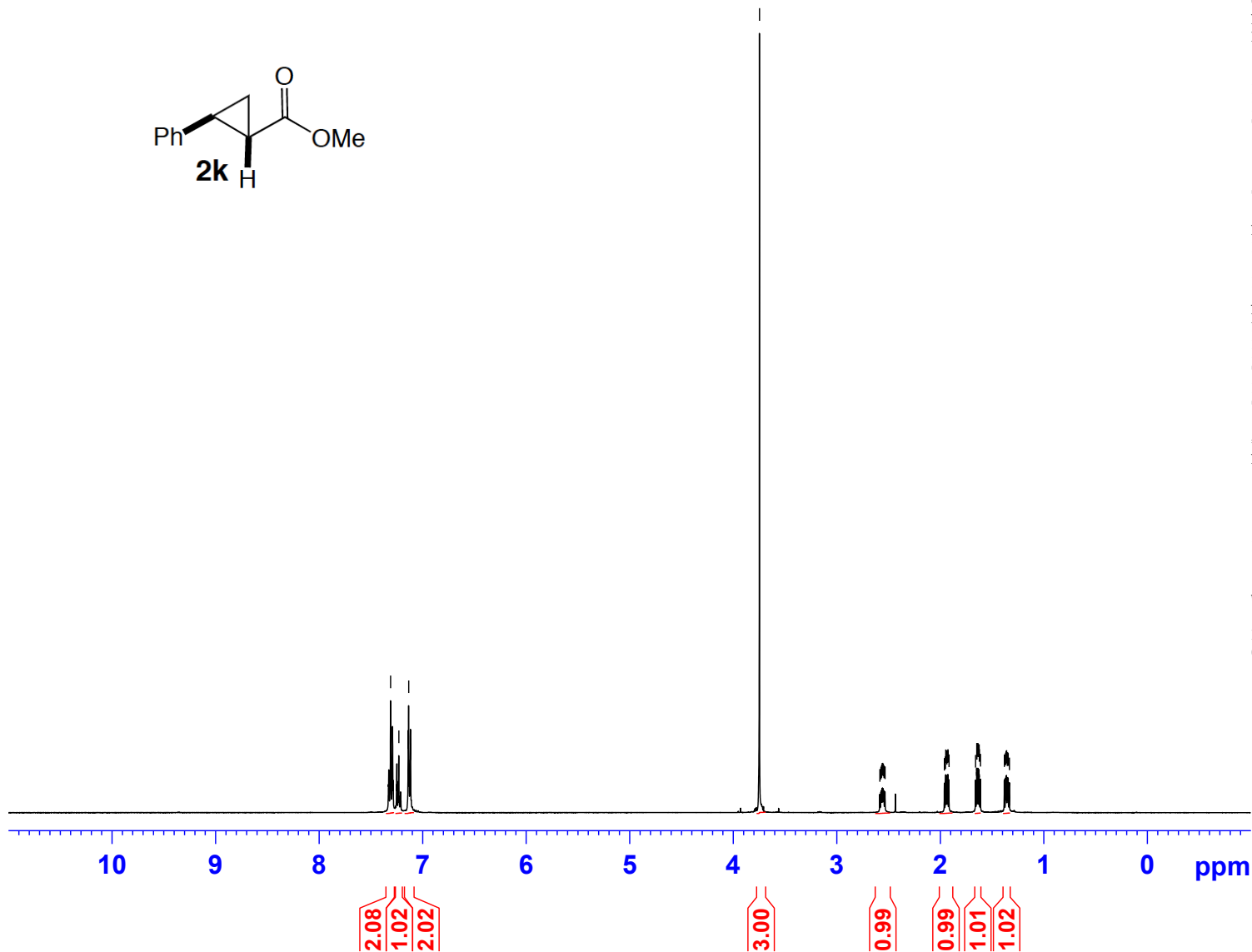


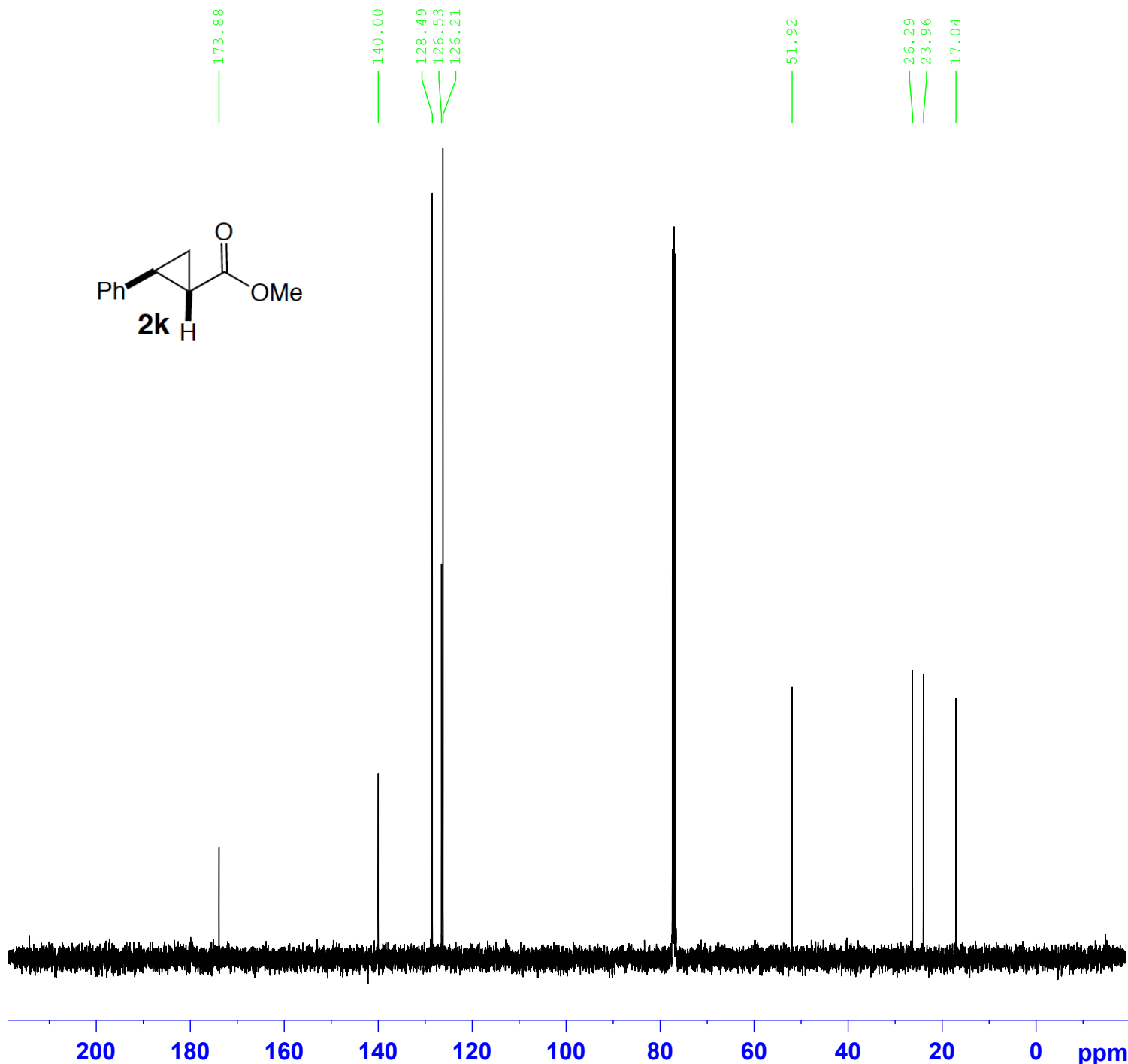
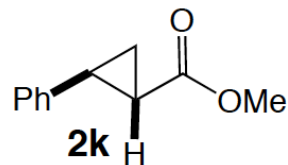
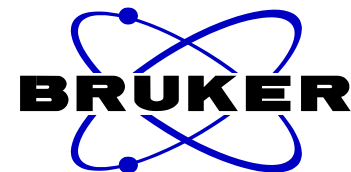
Current Data Parameters
 NAME TFish0530_crude_111409
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20091114
 Time_ 19.41
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.126314 Hz
 AQ 3.9584243 sec
 RG 90.5
 DW 60.400 usec
 DE 6.50 usec
 TE 293.9 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 12.00 usec
 PL1 -3.35 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.130000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





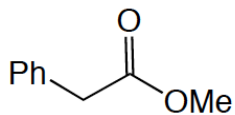
Current Data Parameters
NAME TFish0530_crude_111409
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20091114
Time 19.46
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 112
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 1024
DW 20.850 usec
DE 6.50 usec
TE 295.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.50 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL2 -3.35 dB
PL12 11.97 dB
PL13 11.97 dB
SFO2 400.1316005 MHz

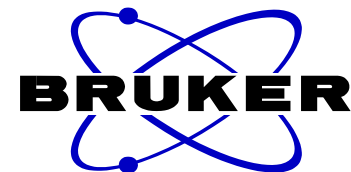
F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



2l

7.325

3.724
3.666



Current Data Parameters
NAME TFish0515_crude_091409
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

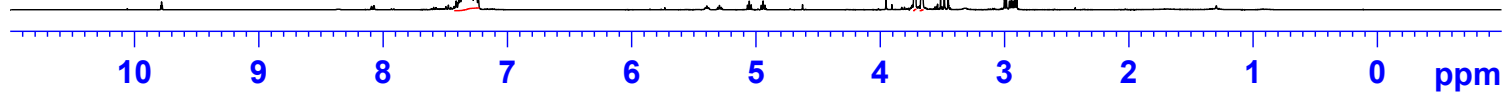
Date_ 20090914
Time_ 14.20
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 71.8
DW 60.400 usec
DE 6.50 usec
TE 293.9 K
D1 1.00000000 sec
TD0 1

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

NUC1 1H
P1 12.00 usec
PL1 -3.35 dB
SFO1 400.1324710 MHz

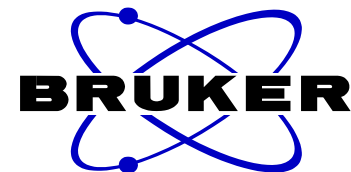
F2 - Processing parameters

SI 32768
SF 400.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



6.64

3.00
1.98



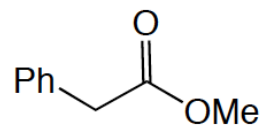
Current Data Parameters
NAME TFish0515_crude_091409
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090914
Time 14.23
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 54
DS 4
SWH 23980.814 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 812.7
DW 20.850 usec
DE 6.50 usec
TE 294.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL2 -3.35 dB
PL12 11.97 dB
PL13 11.97 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



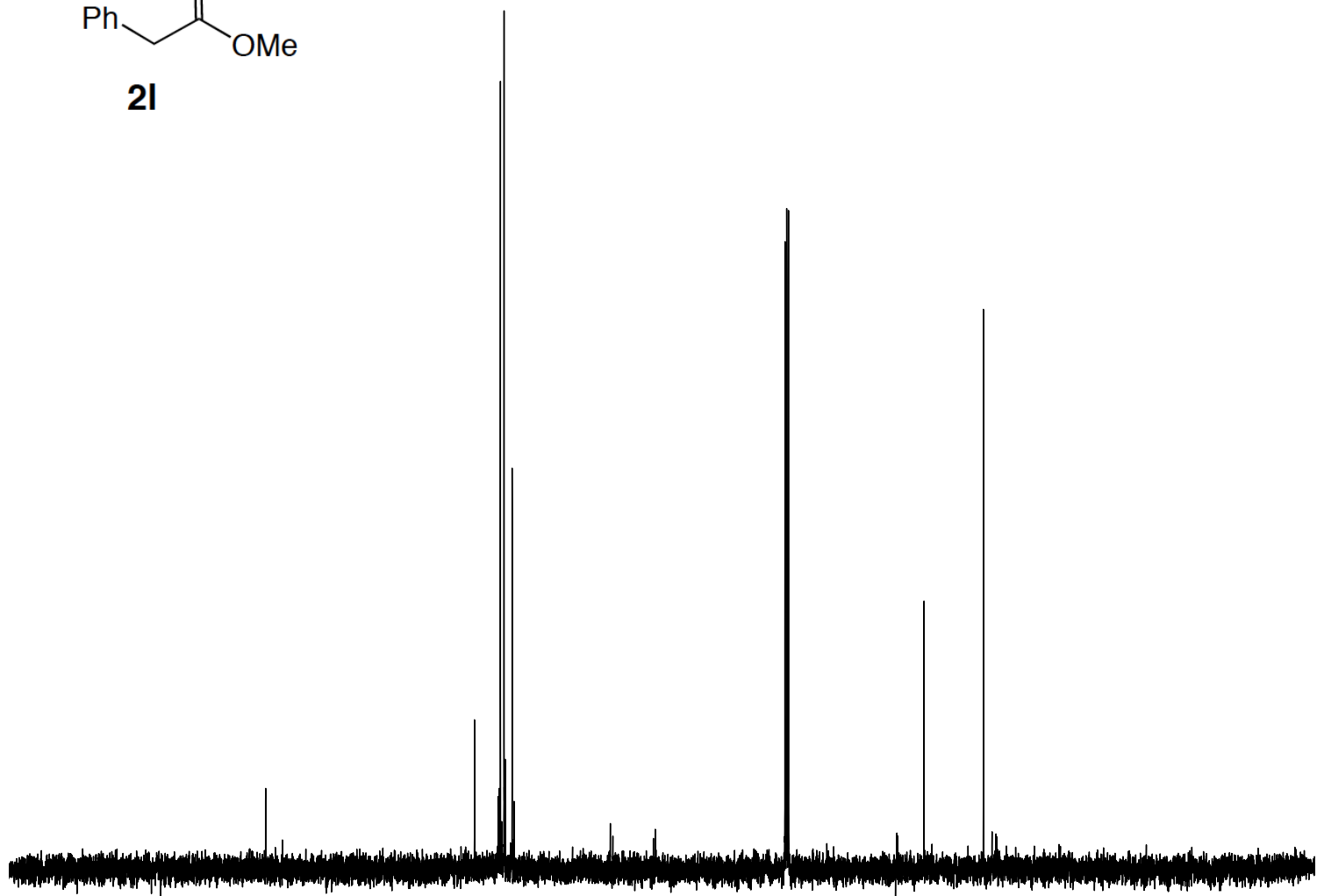
2l

172.08

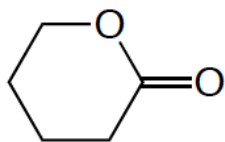
134.00
129.70
129.53
129.48
129.28
128.61
128.49
128.40
127.14
126.79

52.08

41.22

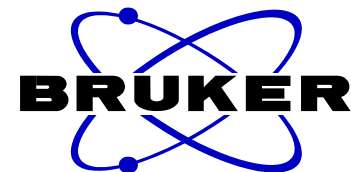


200 180 160 140 120 100 80 60 40 20 0 ppm



2m

4.321
4.301
4.282
2.533
2.510
2.487
1.916
1.898
1.892
1.873
1.853
1.843
1.836
1.818
1.802
1.798
1.790

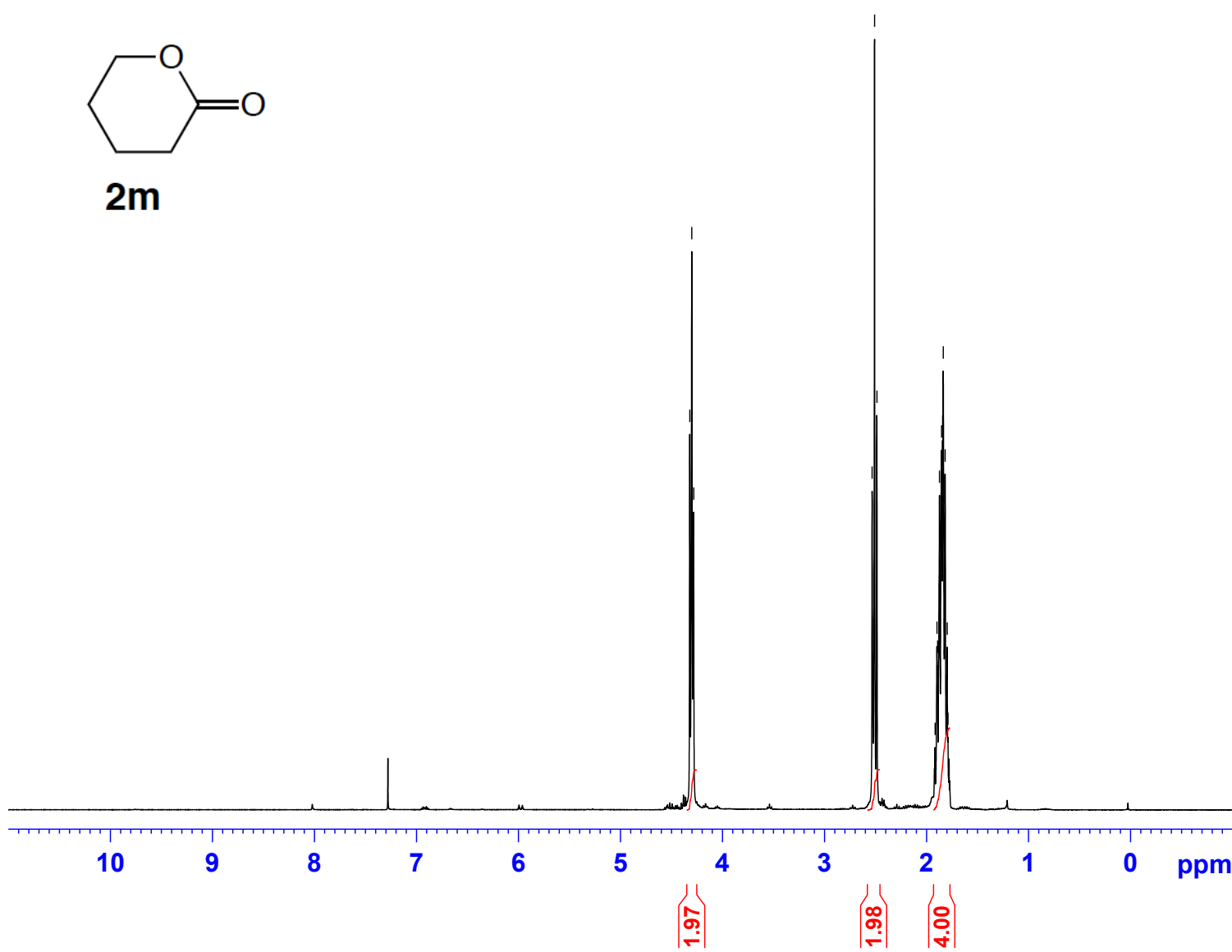


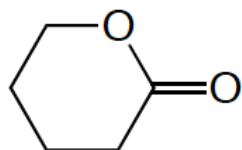
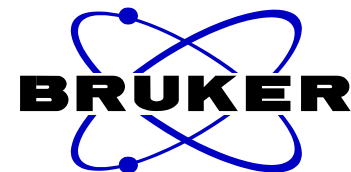
Current Data Parameters
NAME TFish0593_crude_031810
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20100318
Time 18.45
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 114
DW 81.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 9.00 usec
PL1 0.60 dB
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 65536
SF 300.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





2m

171.39

69.43

29.80

22.27

19.05



200 180 160 140 120 100 80 60 40 20 0 ppm

50/52

Current Data Parameters
NAME TFish0593_crude_031810
EXPNO 2
PROCNO 1

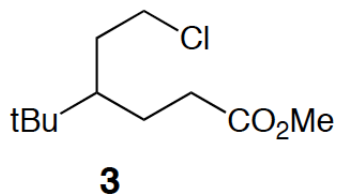
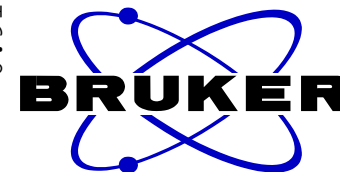
F2 - Acquisition Parameters
Date_ 20100318
Time 18.48
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
SOLVENT CDC13
NS 46
DS 4
SWH 17985.611 Hz
FIDRES 0.548877 Hz
AQ 0.9110004 sec
RG 13004
DW 27.800 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 6.25 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL2 0.60 dB
PL12 18.42 dB
PL13 18.42 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

3.692
3.595
3.580
3.574
3.568
3.559
3.549
3.530
3.522
2.436
2.422
2.412
2.397
2.372
2.356
2.348
2.332
2.000
1.998
1.992
1.982
1.980
1.974
1.964
1.903
1.893
1.884
1.877
1.868
1.565
1.546
1.529
1.510
1.386
1.383
1.378
1.366
1.363
1.129
1.120
1.112
1.102
1.093
0.910

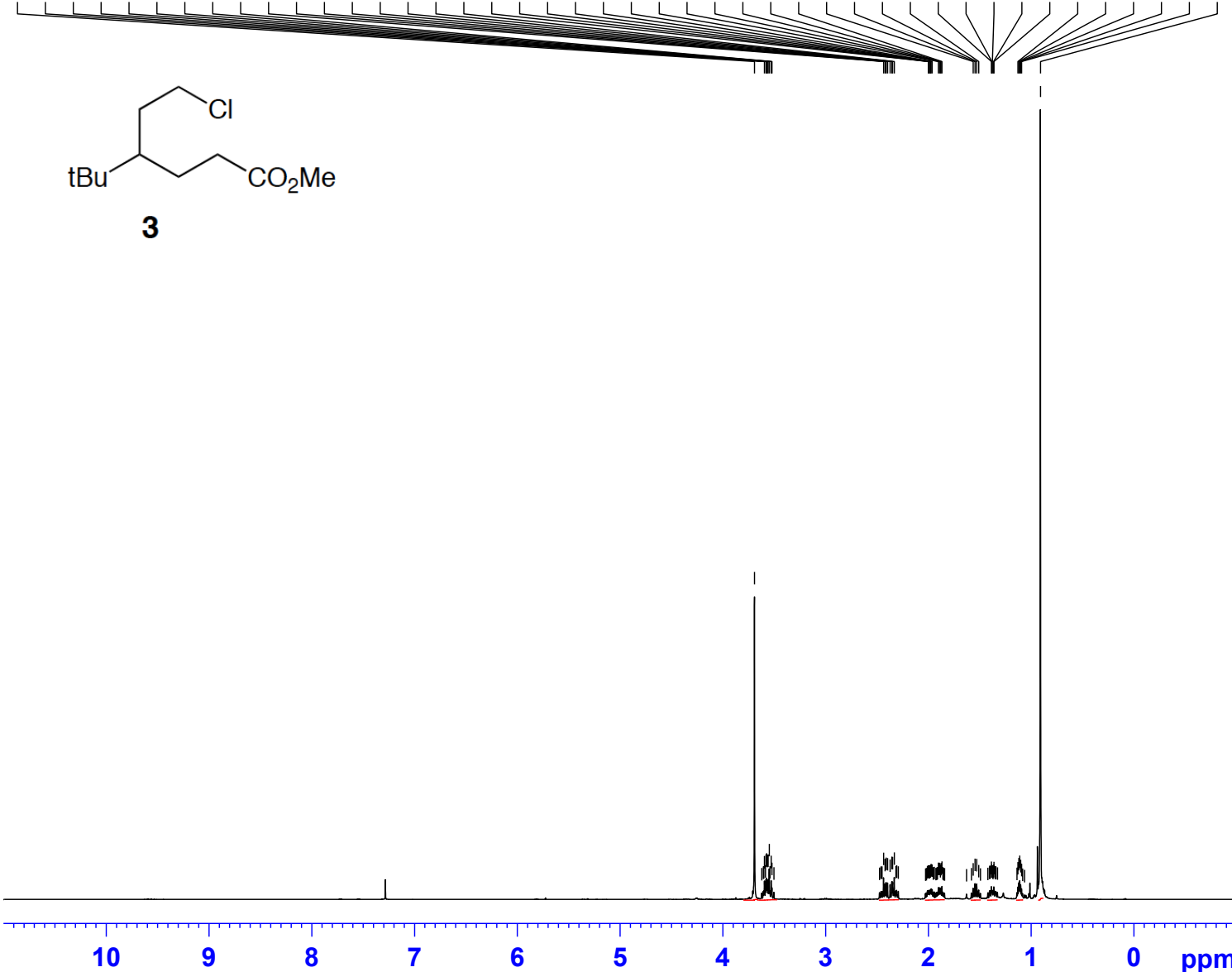


Current Data Parameters
 NAME TFish0589_10-17_031510
 EXPNO 1
 PROCNO 1

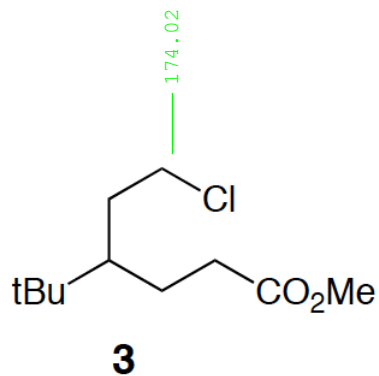
F2 - Acquisition Parameters
 Date_ 20100315
 Time_ 20.08
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.126314 Hz
 AQ 3.9584243 sec
 RG 64
 DW 60.400 usec
 DE 6.50 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 10.25 usec
 PL1 -3.35 dB
 SFO1 400.1324710 MHz

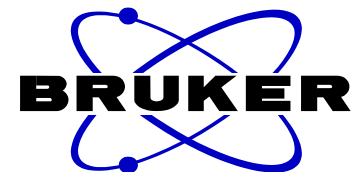
F2 - Processing parameters
 SI 32768
 SF 400.130000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



3.00
2.01
2.11
2.12
1.03
1.13
1.04
8.99



51.56
45.56
44.83
34.53
33.94
33.88
27.51
26.29



Current Data Parameters
 NAME TFish0589_10-17_031510
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20100315
 Time 20.13
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 58
 DS 4
 SWH 23980.814 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 812.7
 DW 20.850 usec
 DE 6.50 usec
 TE 298.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 10.00 usec
 PL1 0.50 dB
 SFO1 100.6228298 MHz

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 70.00 usec
 PL2 -3.35 dB
 PL12 13.34 dB
 PL13 13.34 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127690 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

