

Supporting Information

Controlled Synthesis of Unsubstituted High Molecular Weight Poly(*para*-phenylene) via Suzuki Polycondensation-Thermal Aromatization Methodology

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[‡]Present address: Almac Sciences, Biocatalysis Group, 20 Seagoe Industrial Estate, Craigavon, United Kingdom BT63 5QD. E-mail: drazen.pavlovic@almacgroup.com.

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X-ray Crystal Structure Data for *cis-3a*Table S1. Crystal data and structure refinement for *cis-3a*.

Empirical formula	C _{72.50} H _{66.50} C _{11.50} I ₈ O ₉	
Formula weight	2150.13	
Temperature	173(1) K	
Wavelength	0.71073 Å	
Crystal system	Monoclinic	
Space group	<i>P2(1)/m</i>	
Unit cell dimensions	a = 10.850(2) Å	α = 90°
	b = 31.002(6) Å	β = 96.637(3)°
	c = 11.243(2) Å	γ = 90°
Volume	3756.5(13) Å ³	
Z	2	
Density (calculated)	1.901 g/cm ³	
Absorption coefficient	3.409 mm ⁻¹	
F(000)	2046	
Crystal size	0.50 x 0.32 x 0.32 mm ³	
Theta range for data collection	1.89 to 27.00°	
Index ranges	-13 ≤ h ≤ 13, -39 ≤ k ≤ 39, -14 ≤ l ≤ 14	
Reflections collected	41842	
Independent reflections	16334 [R(int) = 0.0202]	
Completeness to theta = 27.00°	99.8 %	
Absorption correction	Multi-scan	
Refinement method	Full-matrix least-squares on <i>F</i> ²	
Data / restraints / parameters	16334 / 1 / 847	
Goodness-of-fit on <i>F</i> ²	1.093	
Final R indices [I > 2σ(I)]	R ₁ = 0.0302, wR ₂ = 0.0905	
R indices (all data)	R ₁ = 0.0312, wR ₂ = 0.0911	
Absolute structure parameter	0.321(15)	
Largest diff. peak and hole	1.614/-0.599 e Å ⁻³	



Current Data Parameters
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 PROCNO 1

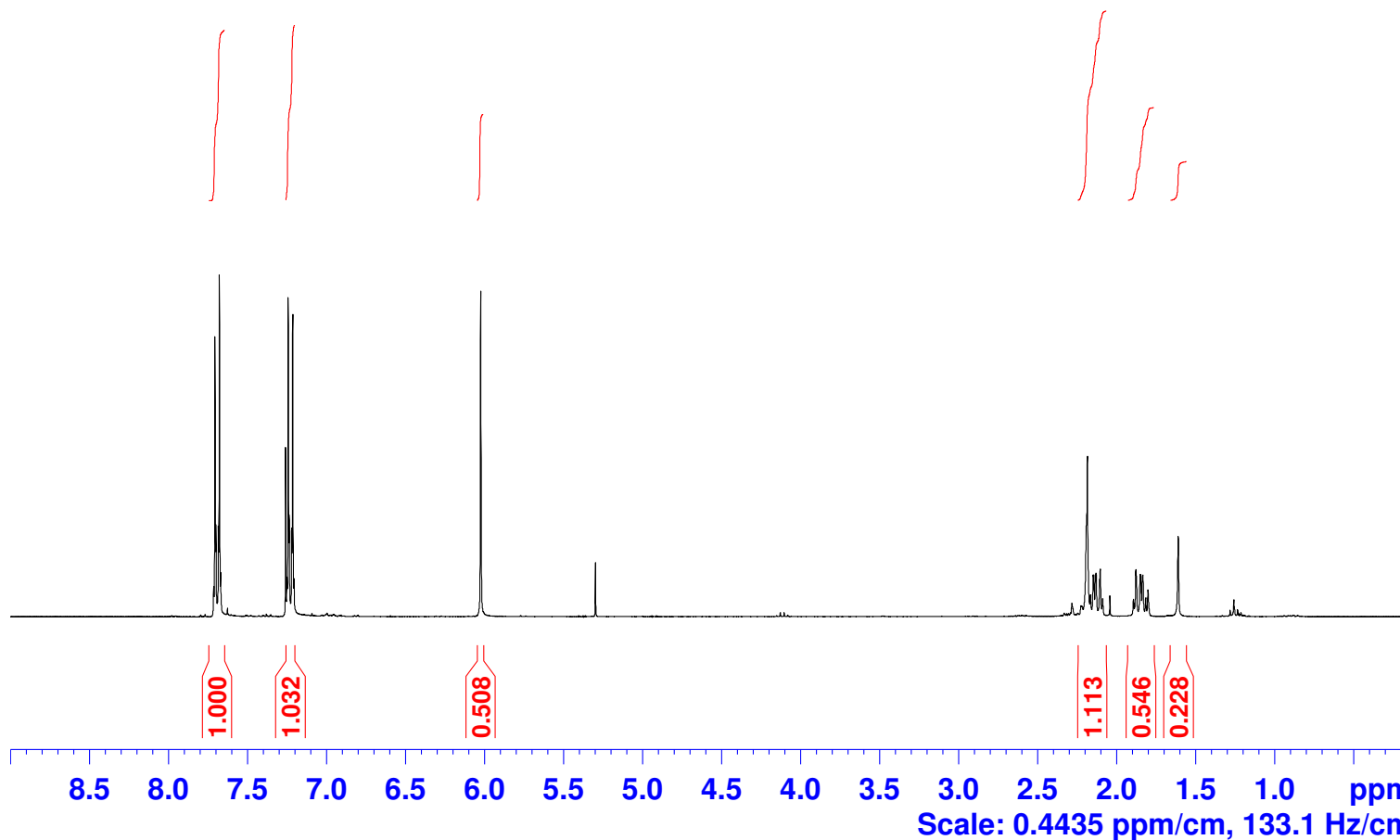
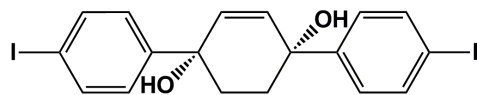
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 SOLVENT CDC13
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 SWH 4194.631 Hz
 FIDRES 0.128010 Hz
 AQ 3.9059956 se
 RG 456.1
 DW 119.200 us
 DE 6.00 us
 TE 296.2 K
 D1 0.10000000 se
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 9.00 us
 PL1 -3.00 dB
 SFO1 300.1319000 MH

F2 - Processing parameters
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 WDW EM
 SSB 0
 LB 0.00 Hz
 GB 0
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7.708
7.702
7.686
7.680
7.672
7.261
7.253
7.245
7.238
7.223
7.216
7.208
6.026

2.186
2.167
2.149
2.145
2.134
2.130
2.104
2.044
1.894
1.879
1.853
1.849
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1.816
1.802
1.611





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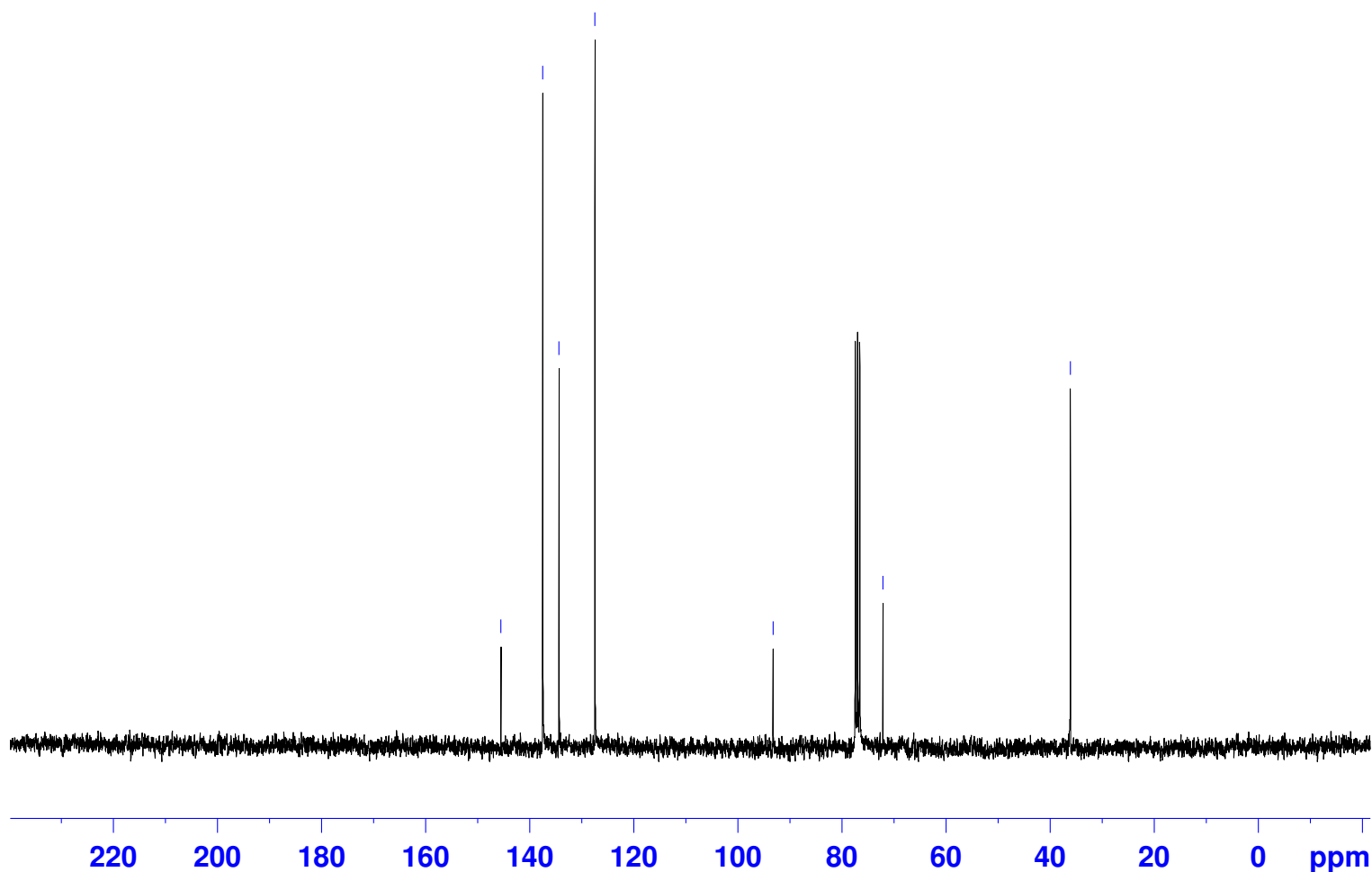
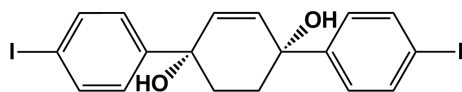
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 FIDRES 0.601925 Hz
 AQ 0.8307188 se
 RG 5792.6
 DW 25.350 us
 DE 9.46 us
 TE 296.2 K
 D1 0.1000000 se
 d11 0.0300000 se
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 3.00 us
 PL1 -5.00 dB
 SFO1 75.4759867 MH

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 us
 PL2 -6.00 dB
 PL12 12.00 dB
 SFO2 300.1312000 MH

F2 - Processing parameters
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 SF 75.4677497 MH
 WDW EM
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 93.234
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 36.117



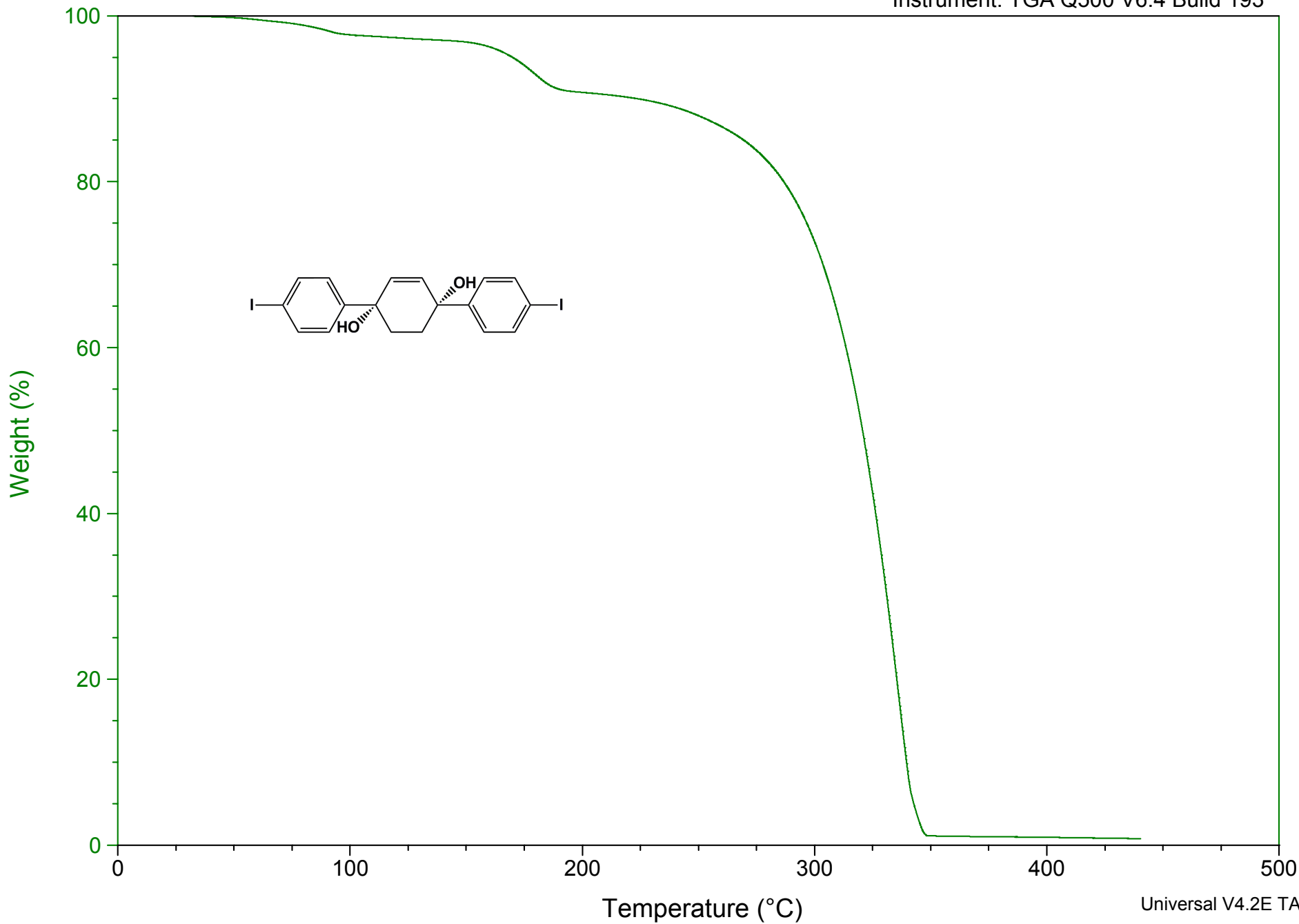
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Comment: N2

TGA

S6

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Instrument: TGA Q500 V6.4 Build 193





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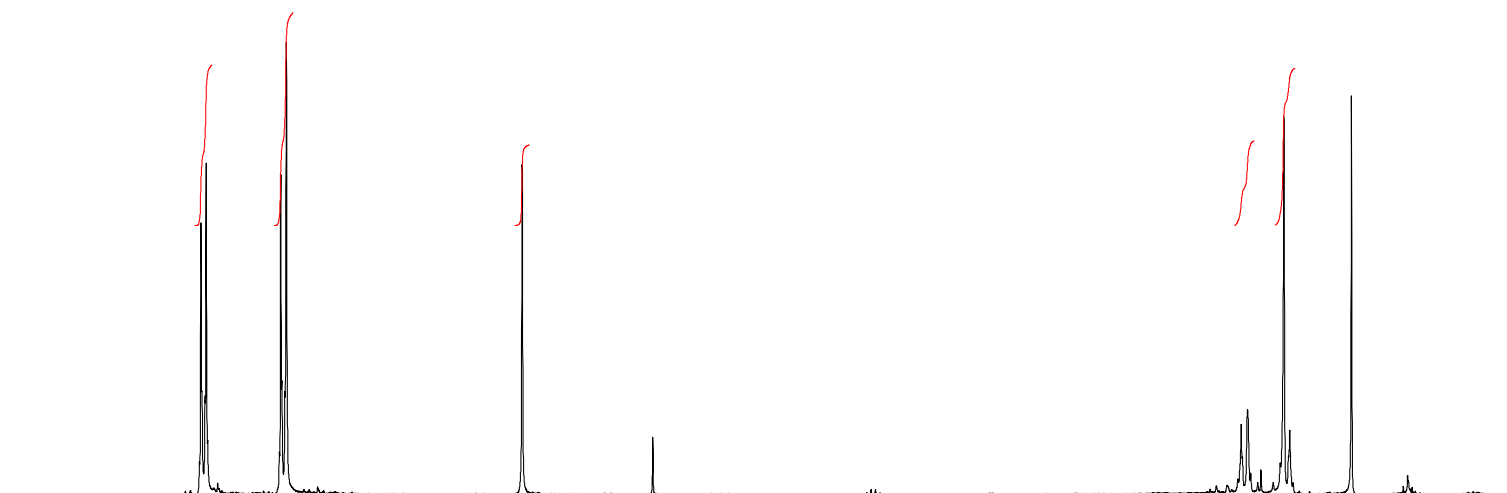
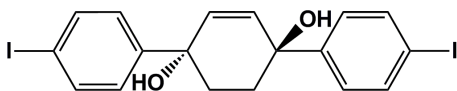
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 SOLVENT CDC13
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 DS 0
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 FIDRES 0.128010 Hz
 AQ 3.9059956 se
 RG 724.1
 DW 119.200 us
 DE 6.00 us
 TE 296.2 K
 D1 0.10000000 se
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 9.00 us
 PL1 -3.00 dB
 SFO1 300.1319000 MH

F2 - Processing parameters
 SI 32768
 SF 300.1300059 MH
 WDW EM
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 0.50

7.727
7.719
7.713
7.697
7.691
7.683
7.299
7.292
7.285
7.269
7.261
5.999

2.168
2.150
2.144
2.136
2.116
2.099
1.979
1.966
1.962
1.957
1.955
1.941
1.922
1.897
1.890
1.872



8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 ppm
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 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameter
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 PULPROG zgdc
 TD 32768
 SOLVENT CDC13
 NS 2634
 DS 0
 SWH 19723.865 Hz
 FIDRES 0.601925 Hz
 AQ 0.8307188 se
 RG 5792.6
 DW 25.350 us
 DE 9.46 us
 TE 296.2 K
 D1 0.10000000 se
 d11 0.03000000 se
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 3.00 us
 PL1 -5.00 dB
 SFO1 75.4759867 MH

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 us
 PL2 -6.00 dB
 PL12 12.00 dB
 SFO2 300.1312000 MH

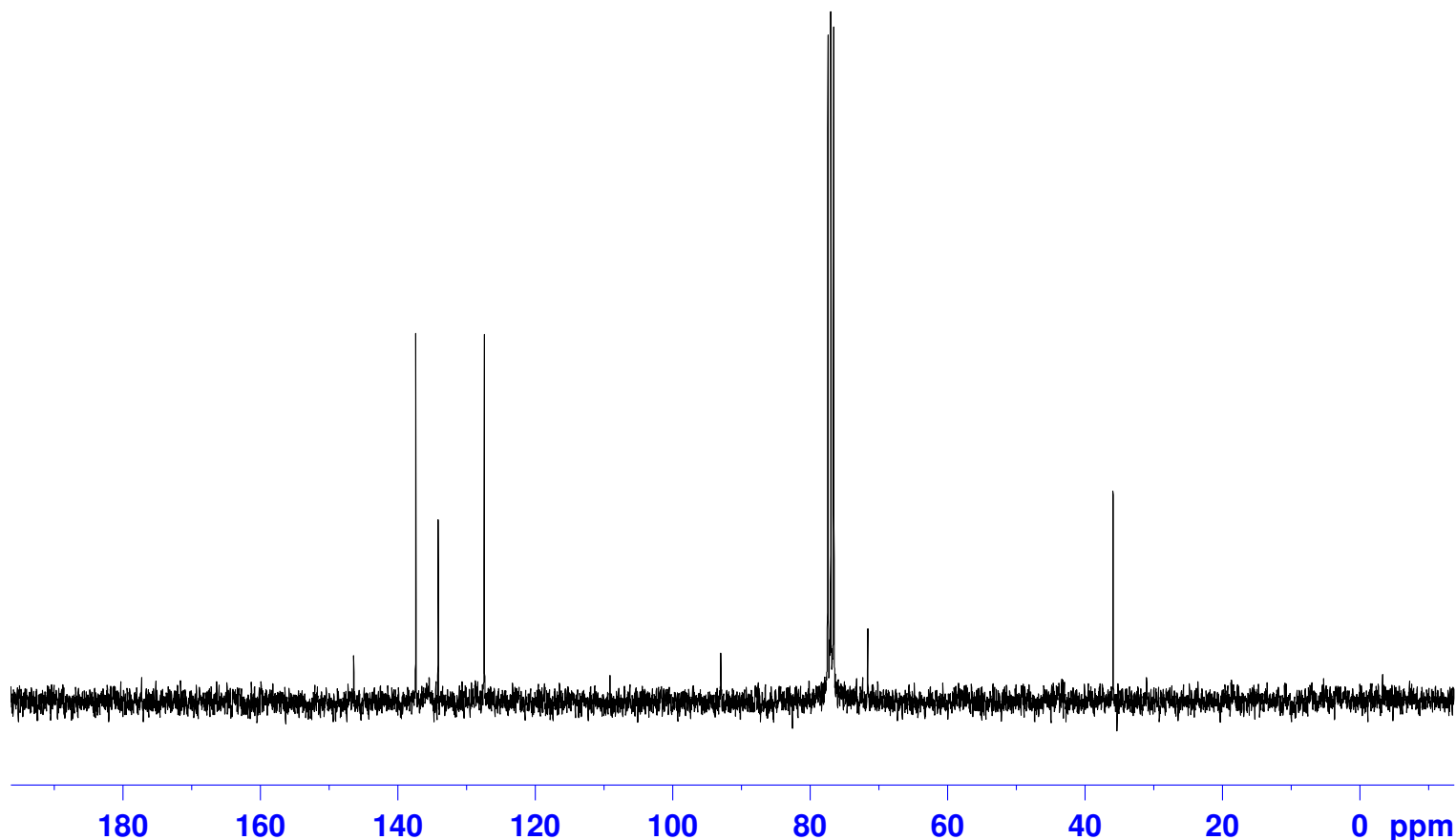
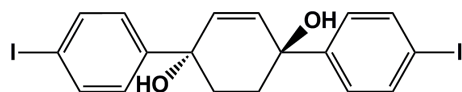
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 WDW EM
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 GB 0
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93.021

71.637

35.923



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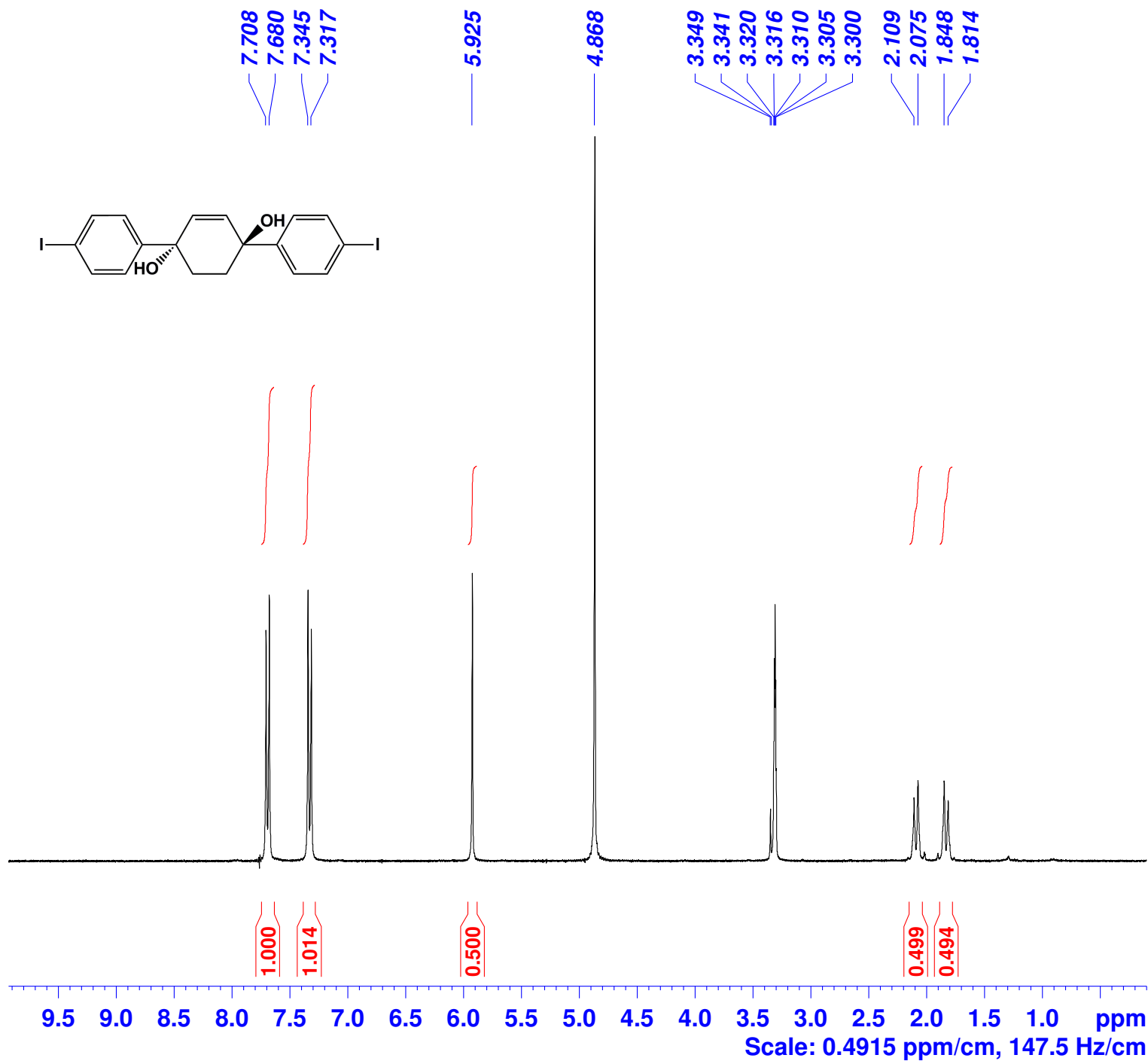


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 PULPROG zg
 TD 32768
 SOLVENT MeOD
 NS 24
 DS 0
 SWH 4194.631 Hz
 FIDRES 0.128010 Hz
 AQ 3.9059956 se
 RG 645.1
 DW 119.200 us
 DE 6.00 us
 TE 296.2 K
 D1 0.10000000 se
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 9.00 us
 PL1 -3.00 dB
 SFO1 300.1319000 MH

F2 - Processing parameters
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 SF 300.1300045 MH
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 SSB 0
 LB 0.00 Hz
 GB 0
 PC 0.50





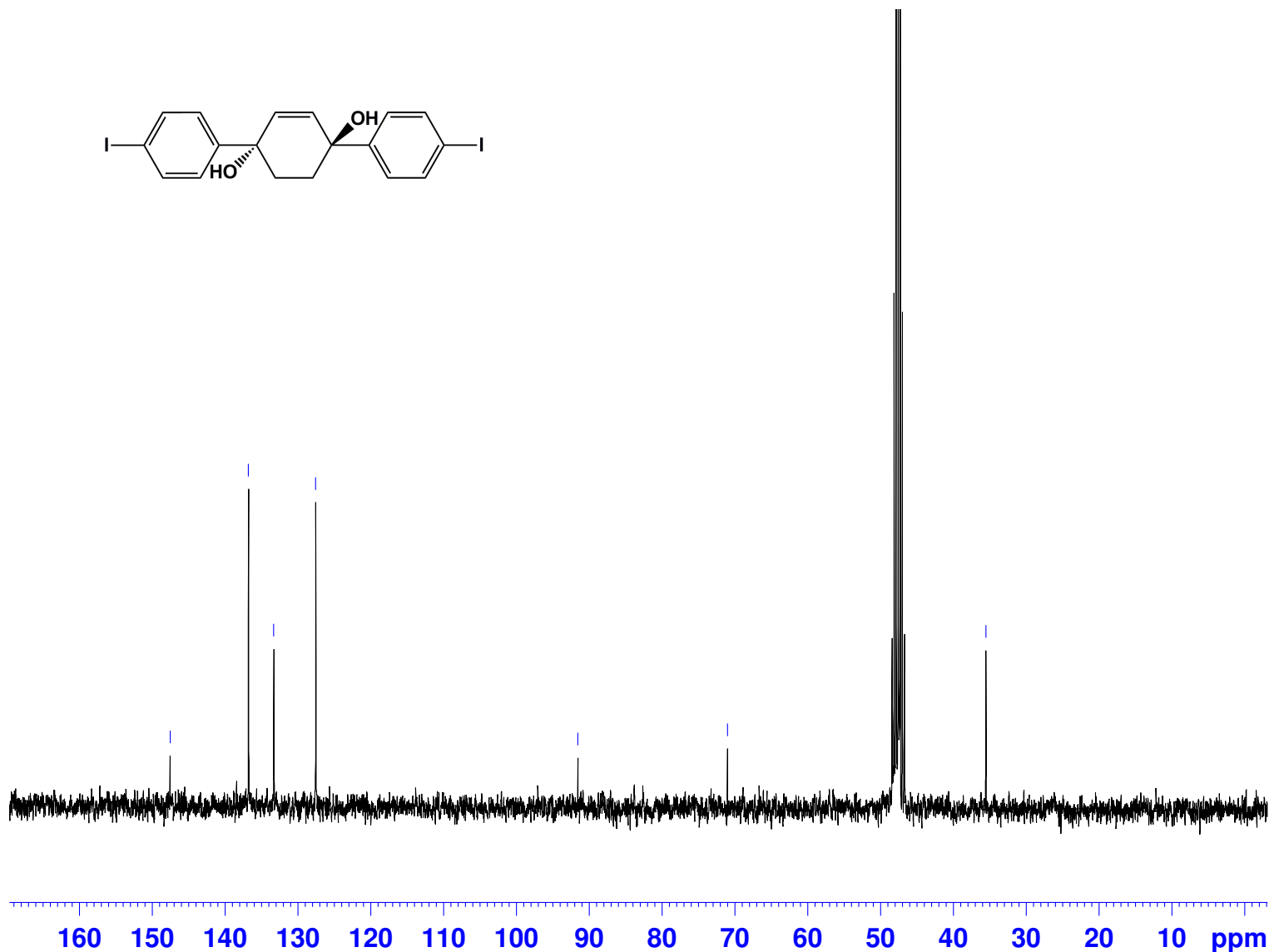
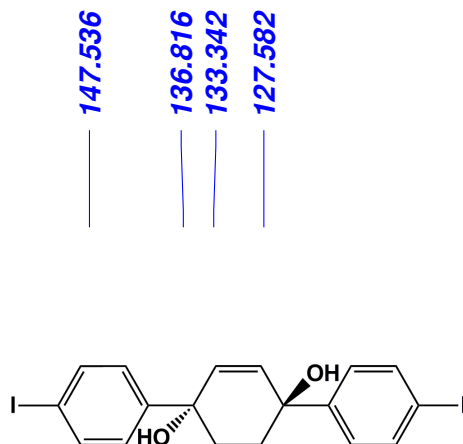
Current Data Parameters
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 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameter
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 PULPROG zgdc
 TD 32768
 SOLVENT MeOD
 NS 800
 DS 0
 SWH 19723.865 Hz
 FIDRES 0.601925 Hz
 AQ 0.8307188 se
 RG 5792.6
 DW 25.350 us
 DE 9.46 us
 TE 296.2 K
 D1 0.10000000 se
 d11 0.03000000 se
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 3.00 us
 PL1 -5.00 dB
 SFO1 75.4759867 MH

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 us
 PL2 -6.00 dB
 PL12 12.00 dB
 SFO2 300.1312000 MH

F2 - Processing parameters
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 SF 75.4677497 MH
 WDW EM
 SSB 0
 LB 2.00 Hz
 GB 0
 PC 1.00

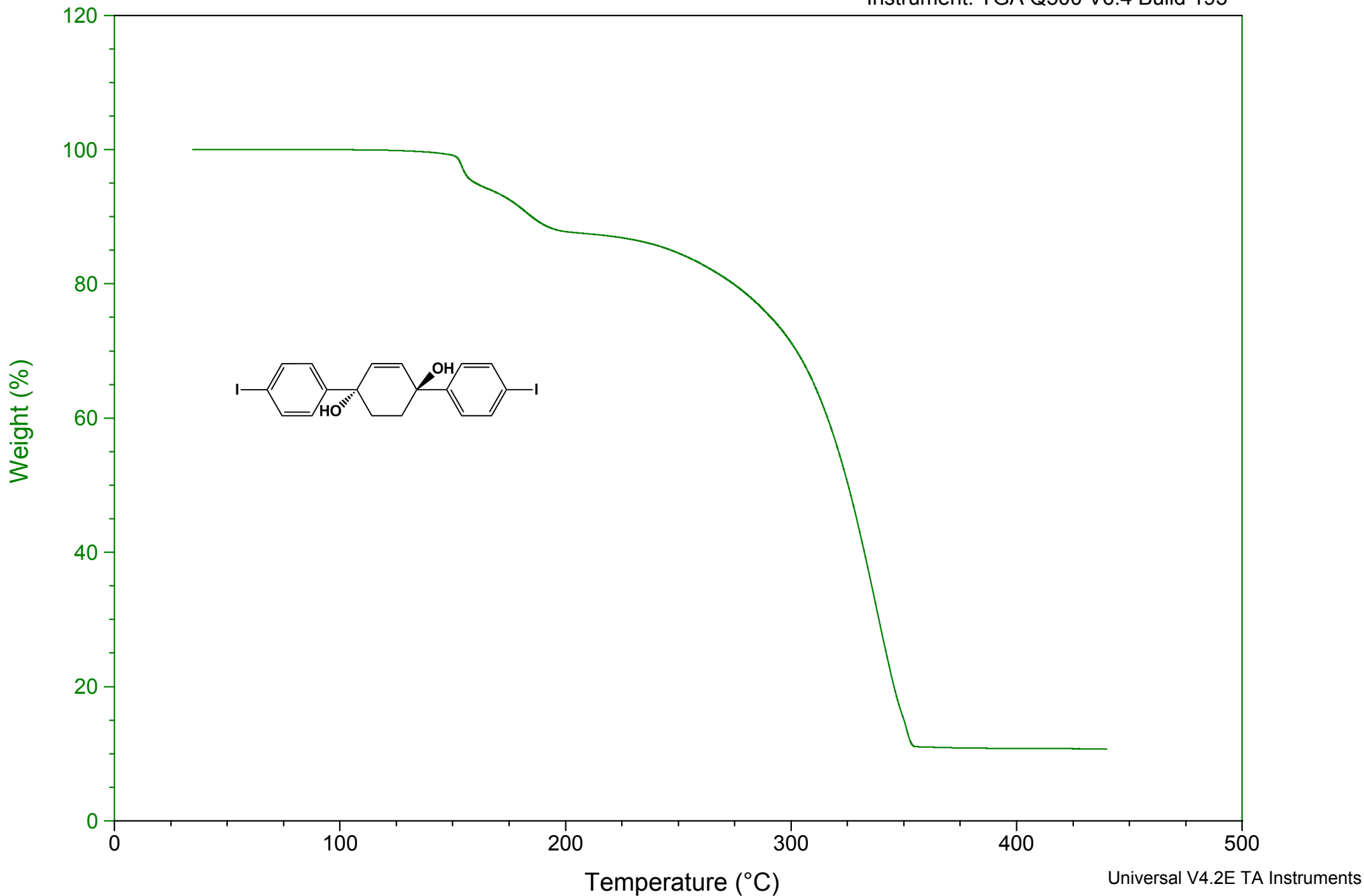


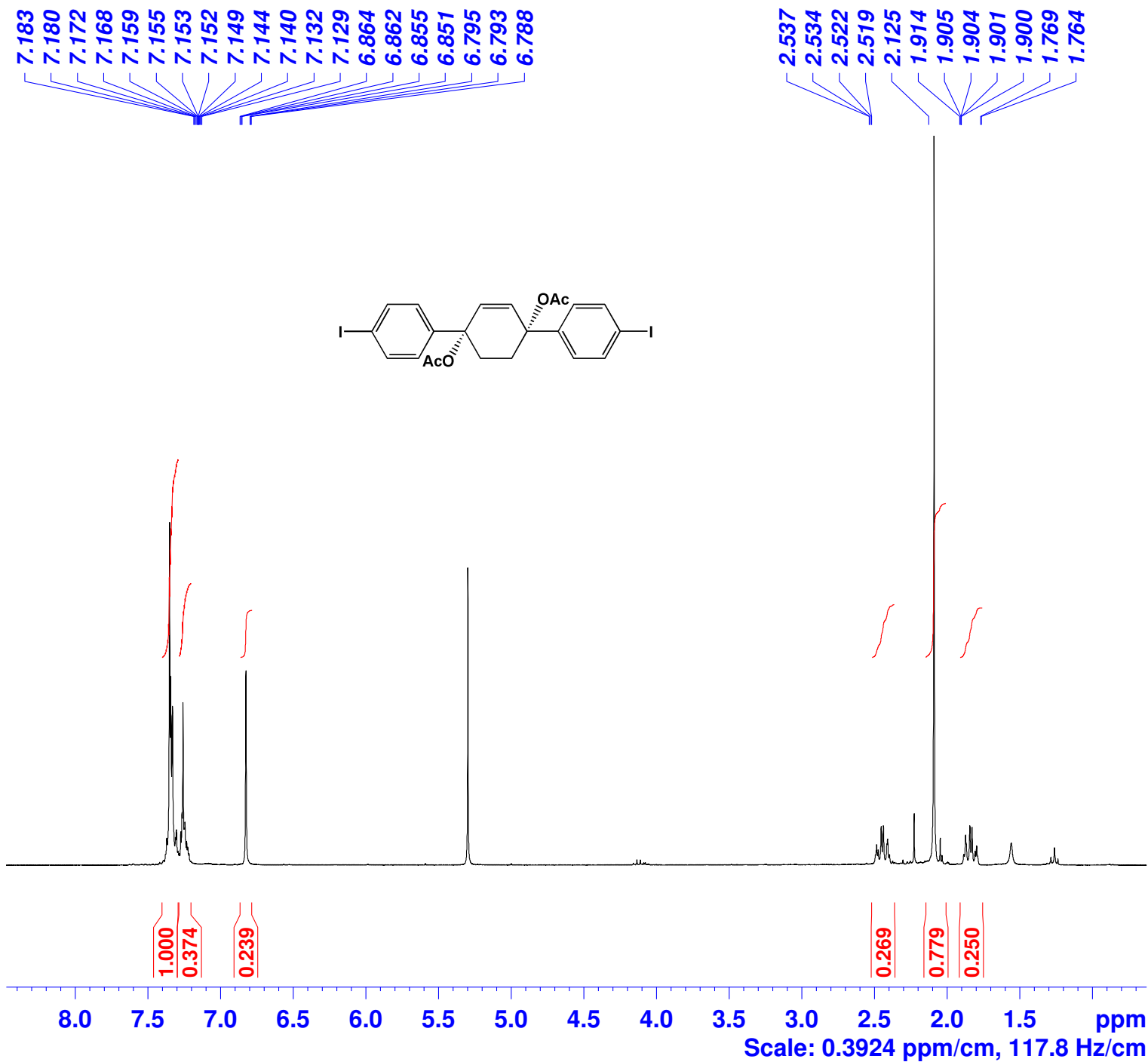
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Comment: N2

TGA

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Run Date: 18-May-2011 23:29
Instrument: TGA Q500 V6.4 Build 193





Current Data Parameters
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 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameter
 Date_ 20110111
 Time 13.26
 INSTRUM spect
 PROBHD 5 mm Dual 13C/
 PULPROG zg
 TD 32768
 SOLVENT CDC13
 NS 124
 DS 0
 SWH 4194.631 Hz
 FIDRES 0.128010 Hz
 AQ 3.9059956 se
 RG 114
 DW 119.200 us
 DE 6.00 us
 TE 295.2 K
 D1 0.10000000 se
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 9.00 us
 PL1 -3.00 dB
 SFO1 300.1319000 MH

F2 - Processing parameters
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 SSB 0
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 GB 0
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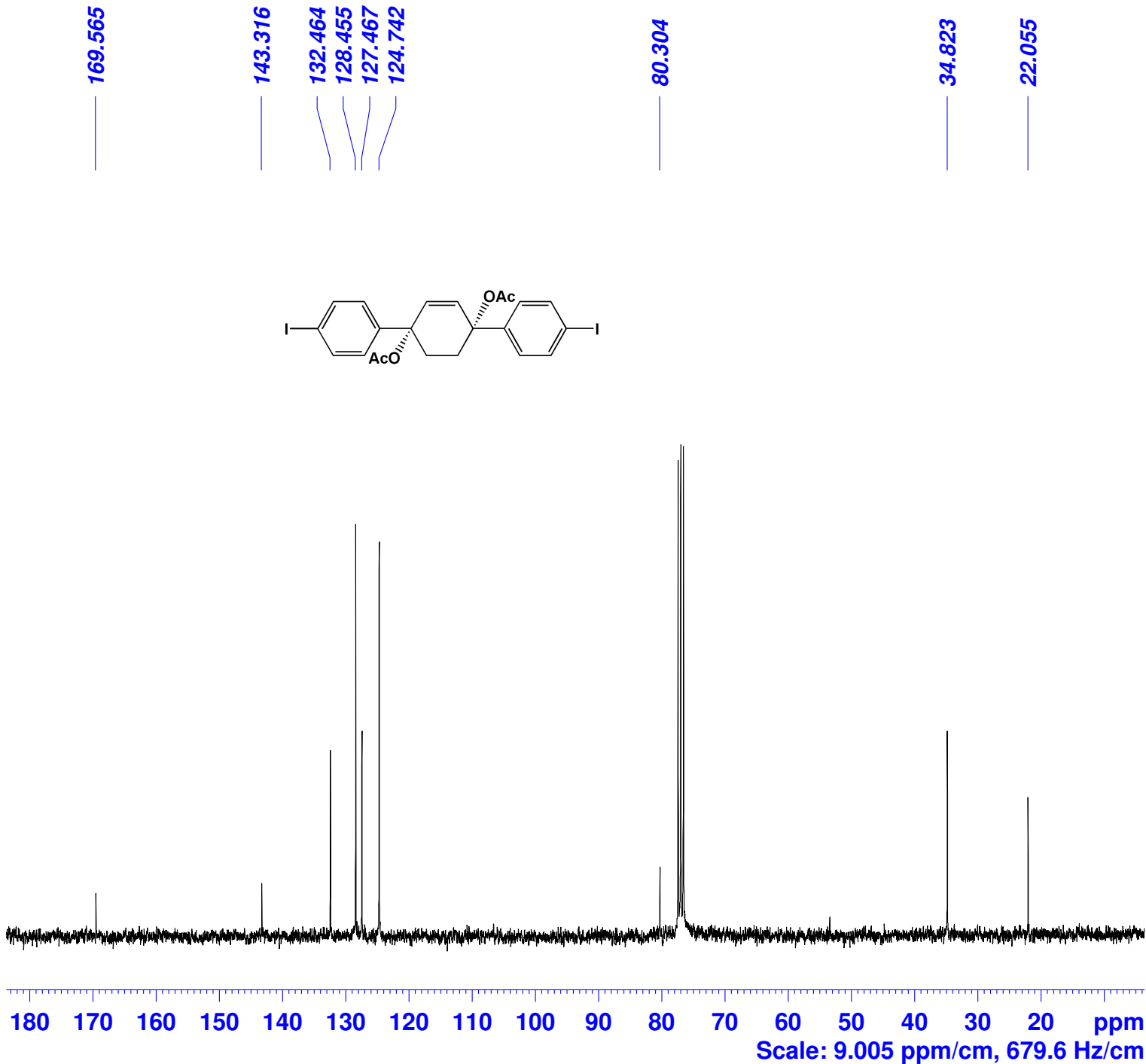
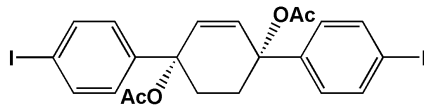
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 PROCNO 1

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 PULPROG zgdc
 TD 32768
 SOLVENT CDC13
 NS 5000
 DS 0
 SWH 19723.865 Hz
 FIDRES 0.601925 Hz
 AQ 0.8307188 se
 RG 8192
 DW 25.350 us
 DE 9.46 us
 TE 296.2 K
 D1 0.1000000 se
 d11 0.0300000 se
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 3.00 us
 PL1 -5.00 dB
 SFO1 75.4759867 MH

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 us
 PL2 -6.00 dB
 PL12 12.00 dB
 SFO2 300.1312000 MH

F2 - Processing parameters
 SI 32768
 SF 75.4677497 MH
 WDW EM
 SSB 0
 LB 2.00 Hz
 GB 0
 PC 1.00



7.715
7.707
7.701
7.685
7.678
7.670
7.103
7.095
7.088
7.073
7.066
7.058
6.820

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2.066
2.061
2.032

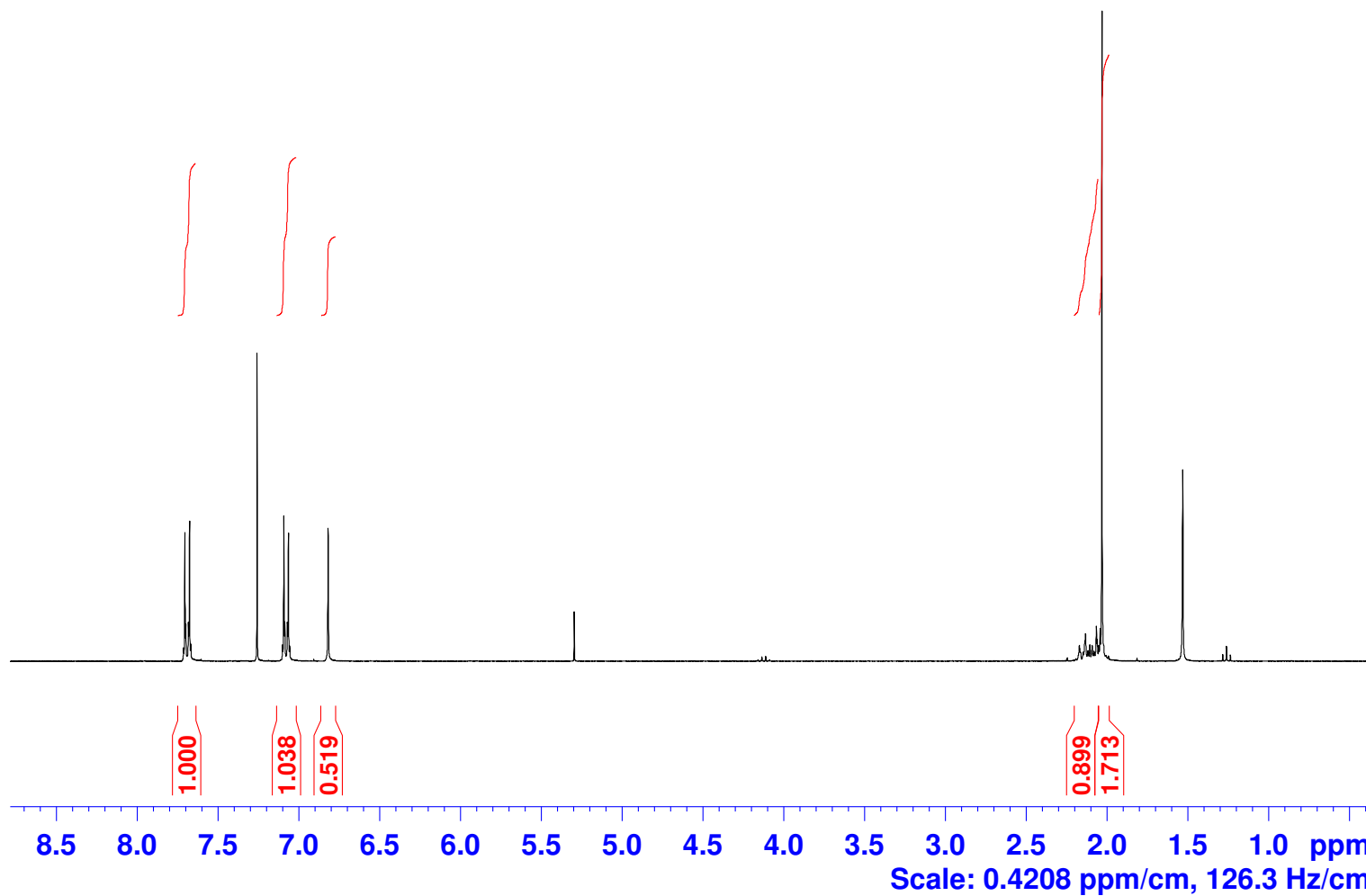
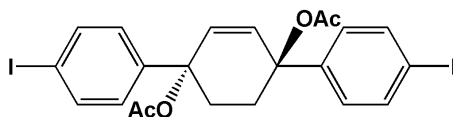


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PROCNO 1

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TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 4194.631 Hz
FIDRES 0.128010 Hz
AQ 3.9059956 sec
RG 912.3
DW 119.200 usec
DE 6.00 usec
TE 303.2 K
D1 0.10000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 9.00 usec
PL1 -3.00 dB
SFO1 300.1319000 MHz

F2 - Processing parameters
SI 32768
SF 300.1300059 MHz
WDW EM
SSB 0
LB 0.00 Hz
GB 0
PC 0.50





Current Data Parameters
 NAME DPA-073 crude
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameter
 Date_ 20110303
 Time 7.50
 INSTRUM spect
 PROBHD 5 mm Dual 13C/
 PULPROG zgdc
 TD 32768
 SOLVENT CDC13
 NS 32457
 DS 0
 SWH 19723.865 Hz
 FIDRES 0.601925 Hz
 AQ 0.8307188 se
 RG 9195.2
 DW 25.350 us
 DE 9.46 us
 TE 296.2 K
 D1 0.10000000 se
 d11 0.03000000 se
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 3.00 us
 PL1 -5.00 dB
 SFO1 75.4759867 MH

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 us
 PL2 -6.00 dB
 PL12 12.00 dB
 SFO2 300.1312000 MH

F2 - Processing parameters
 SI 32768
 SF 75.4677508 MH
 WDW EM
 SSB 0
 LB 2.00 Hz
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 PC 1.00

169.509

143.627

137.623

132.445

126.503

93.112

78.799

77.427

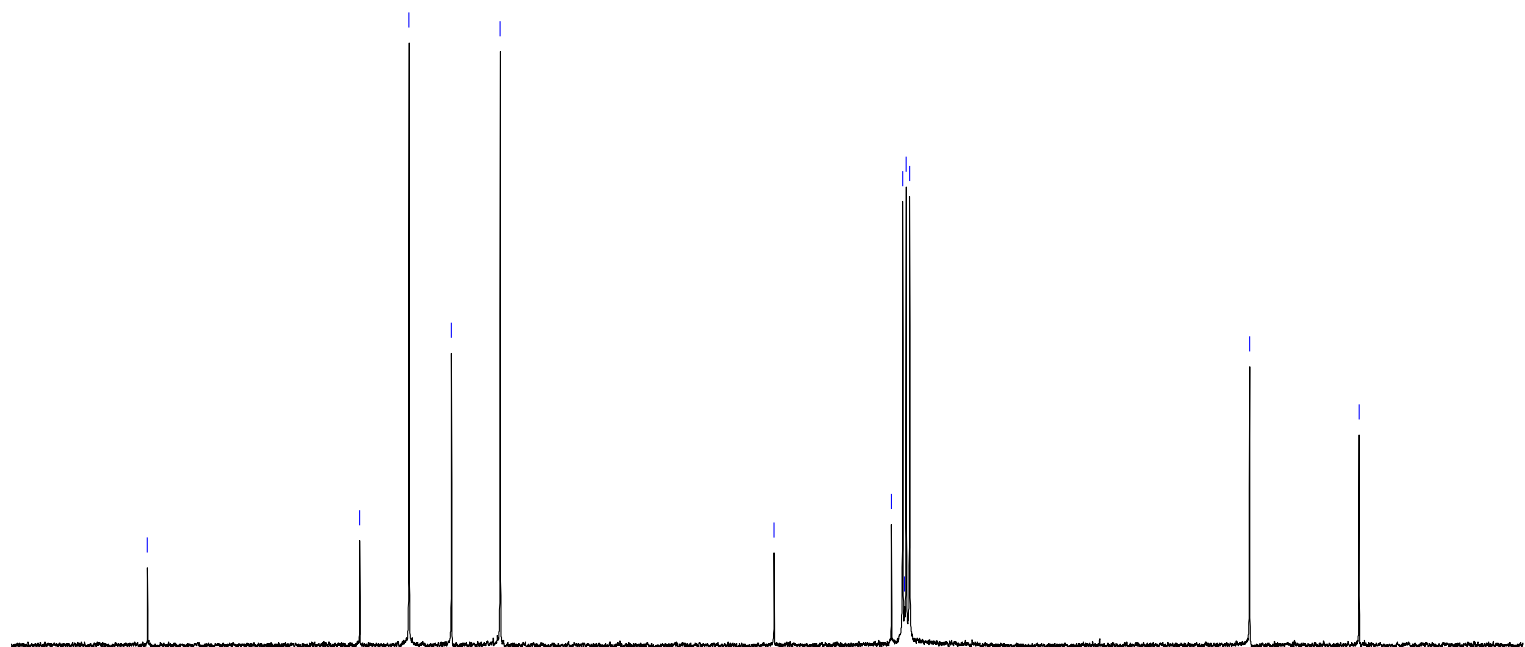
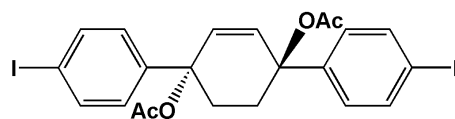
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77.004

76.580

35.135

21.782



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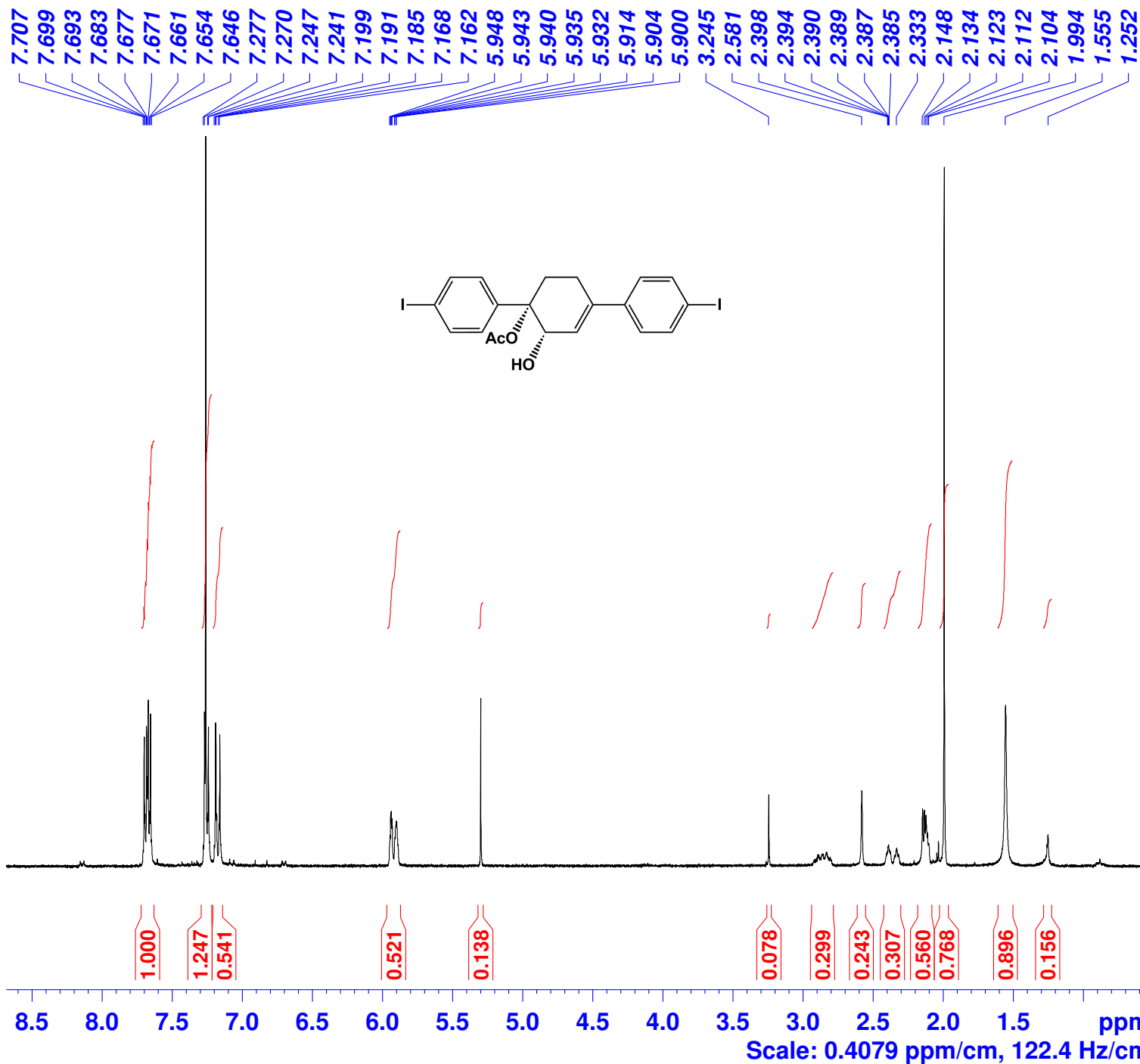


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 PULPROG zg
 TD 32768
 SOLVENT CDC13
 NS 64
 DS 0
 SWH 4194.631 Hz
 FIDRES 0.128010 Hz
 AQ 3.9059956 se
 RG 912.3
 DW 119.200 us
 DE 6.00 us
 TE 296.2 K
 D1 0.10000000 se
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 9.00 us
 PL1 -3.00 dB
 SFO1 300.1319000 MH

F2 - Processing parameters
 SI 32768
 SF 300.1300059 MH
 WDW EM
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 0.50





Current Data Parameters
 NAME DPA-079_24-30
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameter
 Date_ 20110308
 Time 8.04
 INSTRUM spect
 PROBHD 5 mm Dual 13C/
 PULPROG zgdc
 TD 32768
 SOLVENT CDC13
 NS 35891
 DS 0
 SWH 19723.865 Hz
 FIDRES 0.601925 Hz
 AQ 0.8307188 se
 RG 5792.6
 DW 25.350 us
 DE 9.46 us
 TE 296.2 K
 D1 0.10000000 se
 d11 0.03000000 se
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 3.00 us
 PL1 -5.00 dB
 SFO1 75.4759867 MH

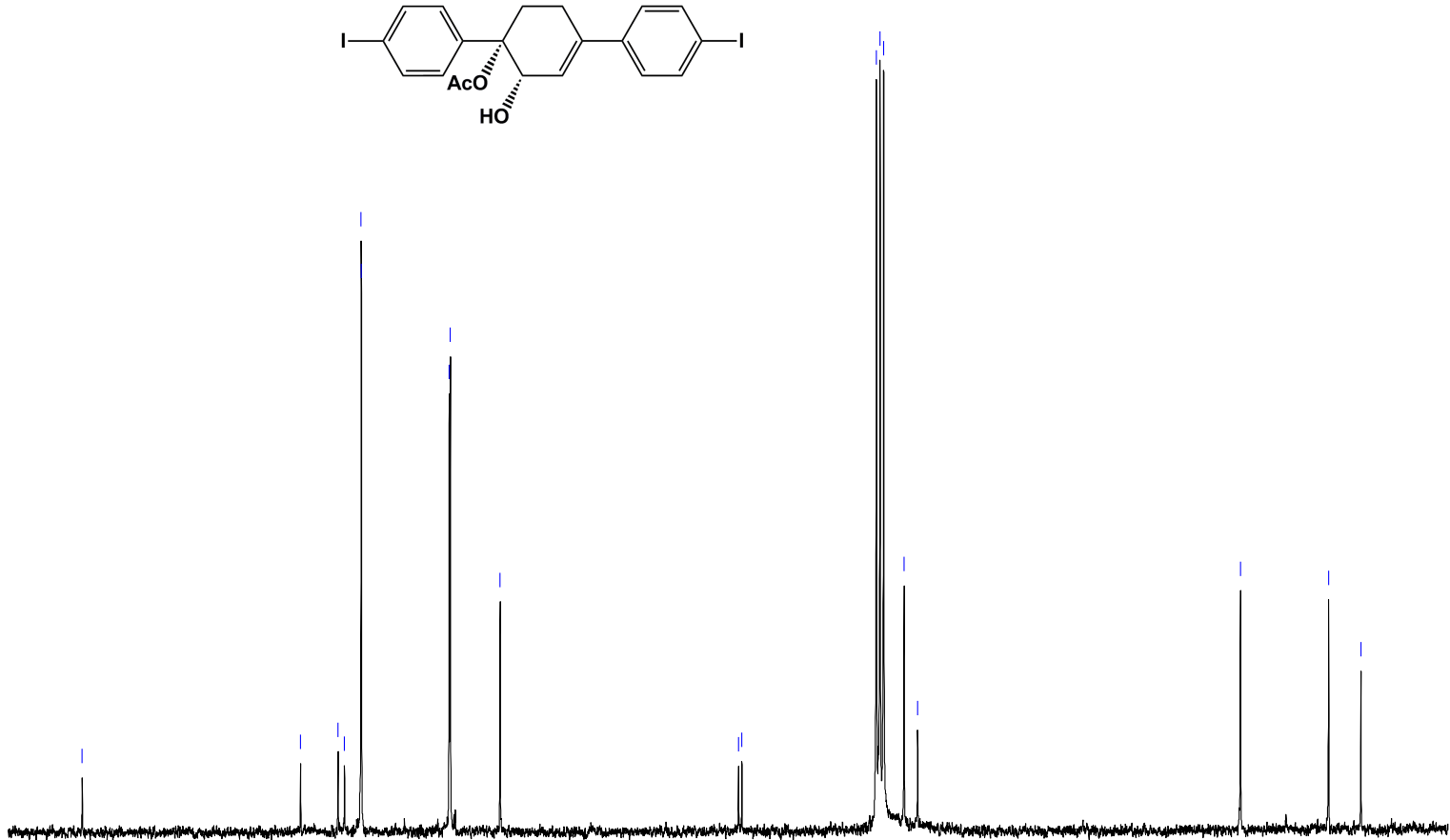
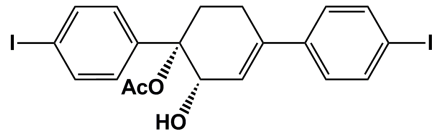
==== CHANNEL f2 =====
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 NUC2 1H
 PCPD2 100.00 us
 PL2 -6.00 dB
 PL12 12.00 dB
 SFO2 300.1312000 MH

F2 - Processing parameters
 SI 32768
 SF 75.4677387 MH
 WDW EM
 SSB 0
 LB 2.00 Hz
 GB 0
 PC 1.00

170.132
 144.682
 140.313
 139.569
 137.639
 137.604
 127.367
 127.239
 121.438

93.642
 93.265
 77.585
 77.161
 76.738
 74.357
 72.779

35.154
 24.886
 21.119



170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 ppm
 Scale: 8.391 ppm/cm, 633.2 Hz/cm



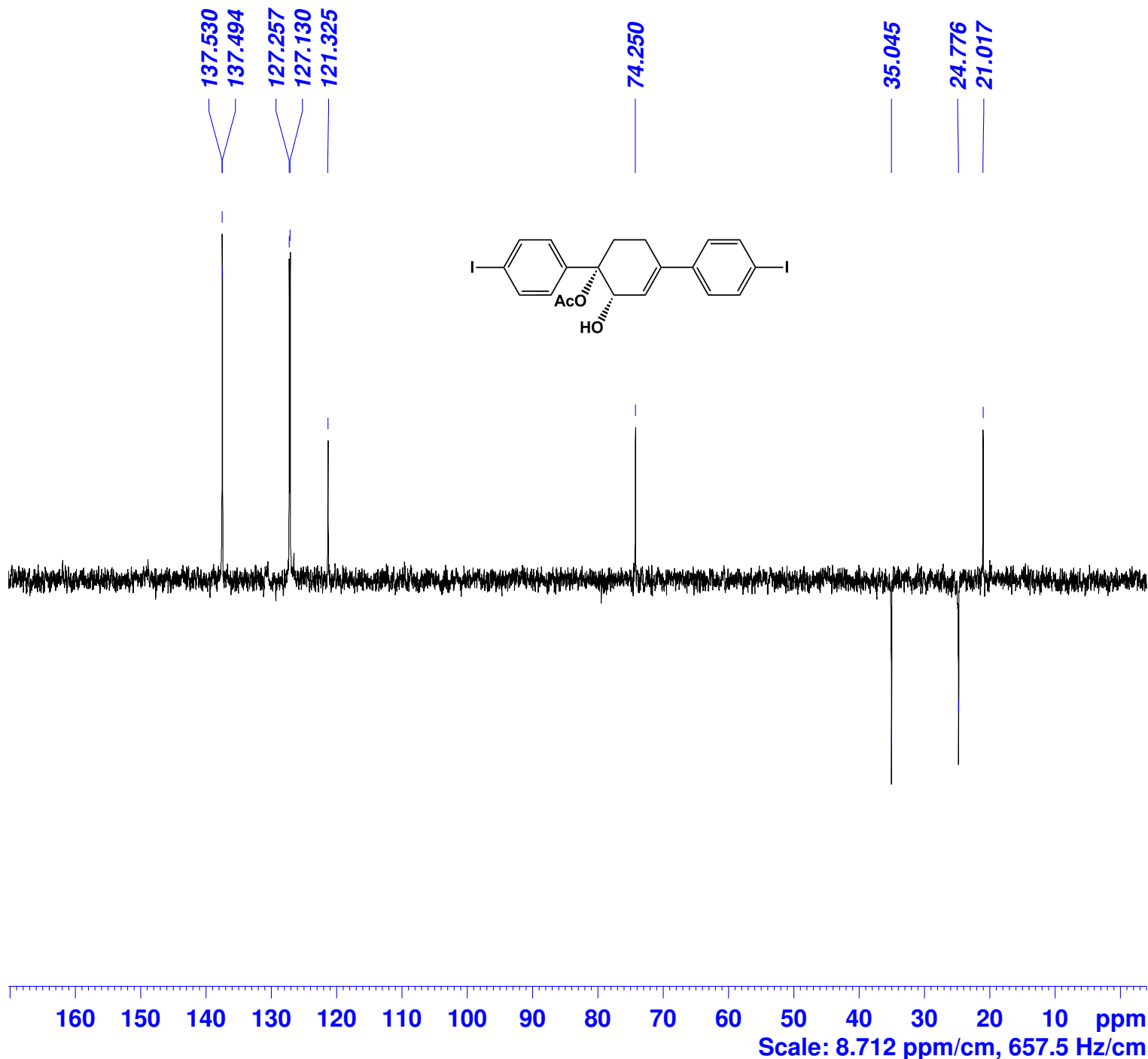
Current Data Parameters
 NAME DPA-079_24-30
 EXPNO 3
 PROCNO 1

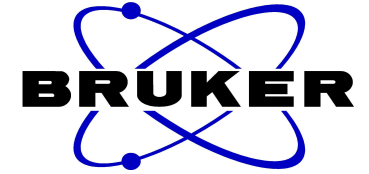
F2 - Acquisition Parameters
 Date_ 20110308
 Time 19.56
 INSTRUM spect
 PROBHD 5 mm Dual 13C/
 PULPROG dept135
 TD 32768
 SOLVENT CDC13
 NS 2921
 DS 0
 SWH 19723.865 Hz
 FIDRES 0.601925 Hz
 AQ 0.8307188 sec
 RG 9195.2
 DW 25.350 usec
 DE 9.46 usec
 TE 296.2 K
 CNST2 145.000000
 D1 1.00000000 sec
 d2 0.00344828 sec
 d12 0.00002000 sec
 DELTA 0.00000853 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 6.70 usec
 p2 13.40 usec
 PL1 -5.00 dB
 SFO1 75.4759867 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 P3 16.00 usec
 p4 32.00 usec
 PCPD2 100.00 usec
 PL2 -6.00 dB
 PL12 12.00 dB
 SFO2 300.1312000 MHz

F2 - Processing parameters
 SI 32768
 SF 75.4677469 MHz
 WDW EM
 SSB 0
 LB 2.00 Hz
 GB 0
 PC 1.00





```

NAME      DPA-146_precipitated-700 MHz
EXPNO     1
PROCNO    1
Date_     20110801
Time      8.23
INSTRUM   spect
PROBHD    5 mm CPTCI 1H-
PULPROG   zg30
TD        65536
SOLVENT   DMSO
NS        40
DS        0
SWH       9803.922 Hz
FIDRES    0.149596 Hz
AQ        3.3423860 sec
RG        16
DW        51.000 usec
DE        6.50 usec
TE        300.0 K
D1        1.00000000 sec
TD0       1
    
```

```

===== CHANNEL f1 =====
NUC1      1H
P1        9.20 usec
PL1       4.00 dB
PL1W      9.00000000 W
SFO1      700.4542027 MHz
SI        65536
SF        700.4500098 MHz
WDW       EM
SSB       0
LB        0.00 Hz
GB        0
PC        1.00
    
```

7.952
7.926
7.865
7.732
7.694
7.588
7.456
7.365
7.202

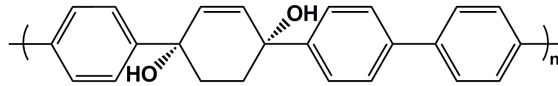
6.811

6.012
5.951
5.898

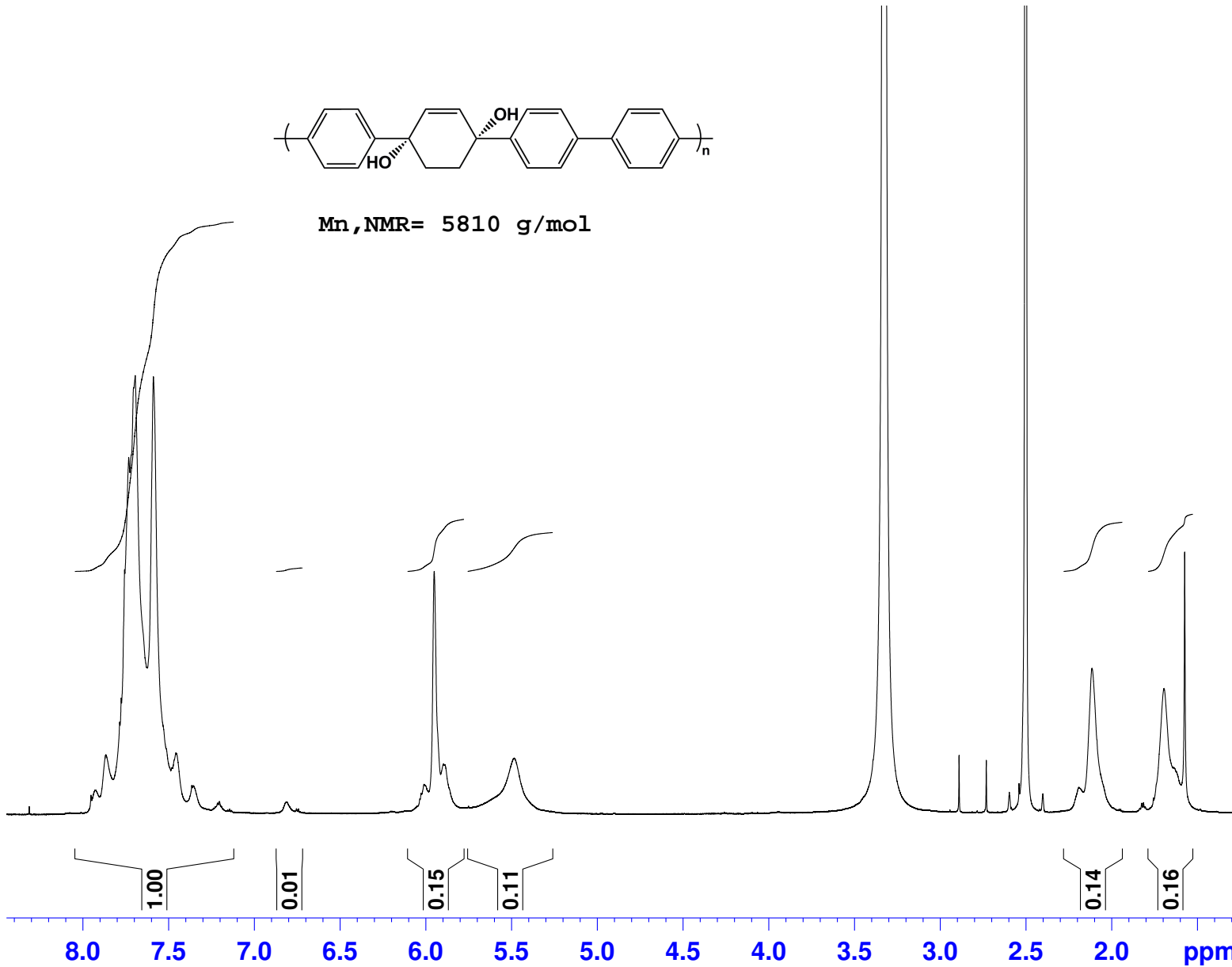
5.486

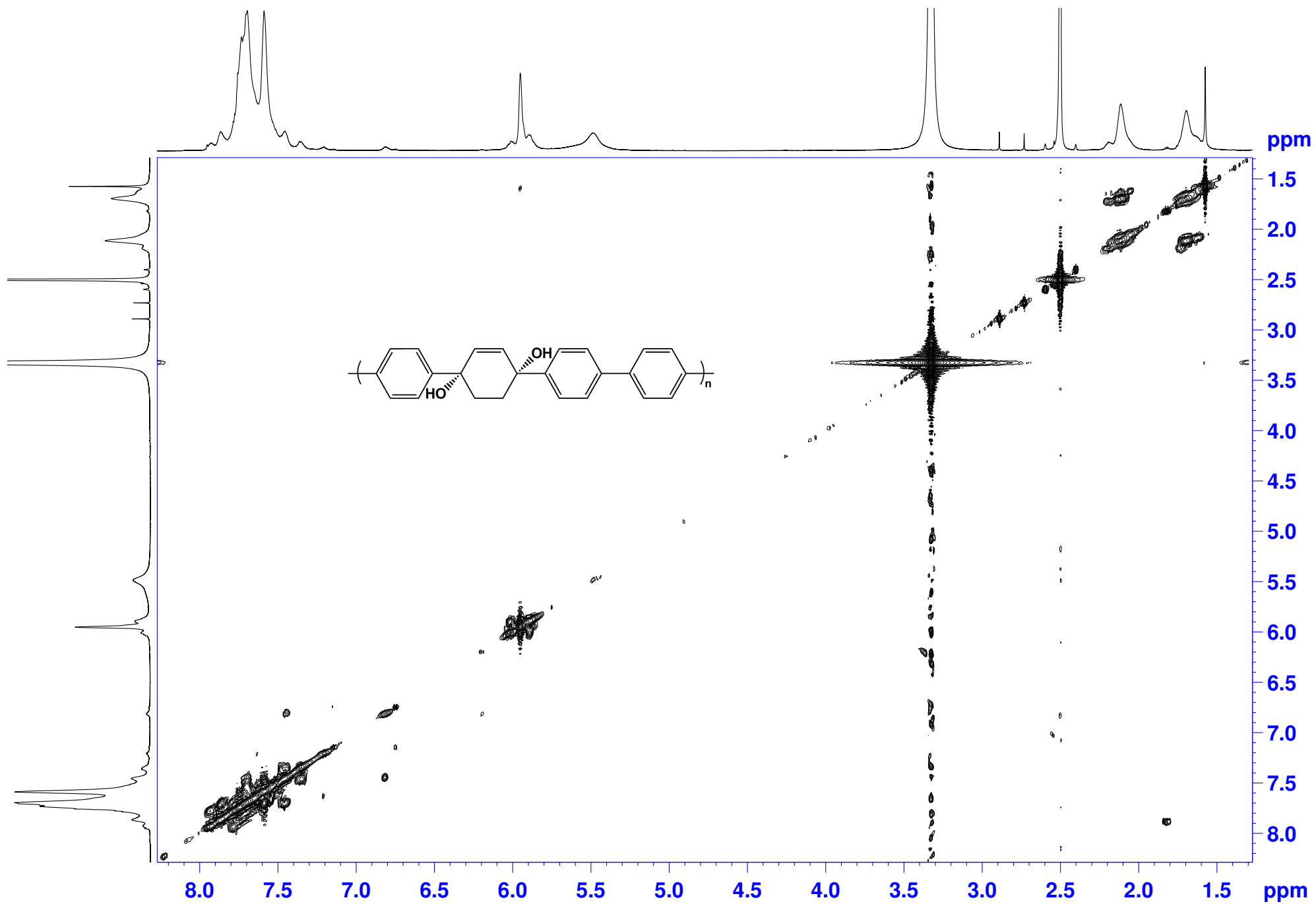
2.191
2.116

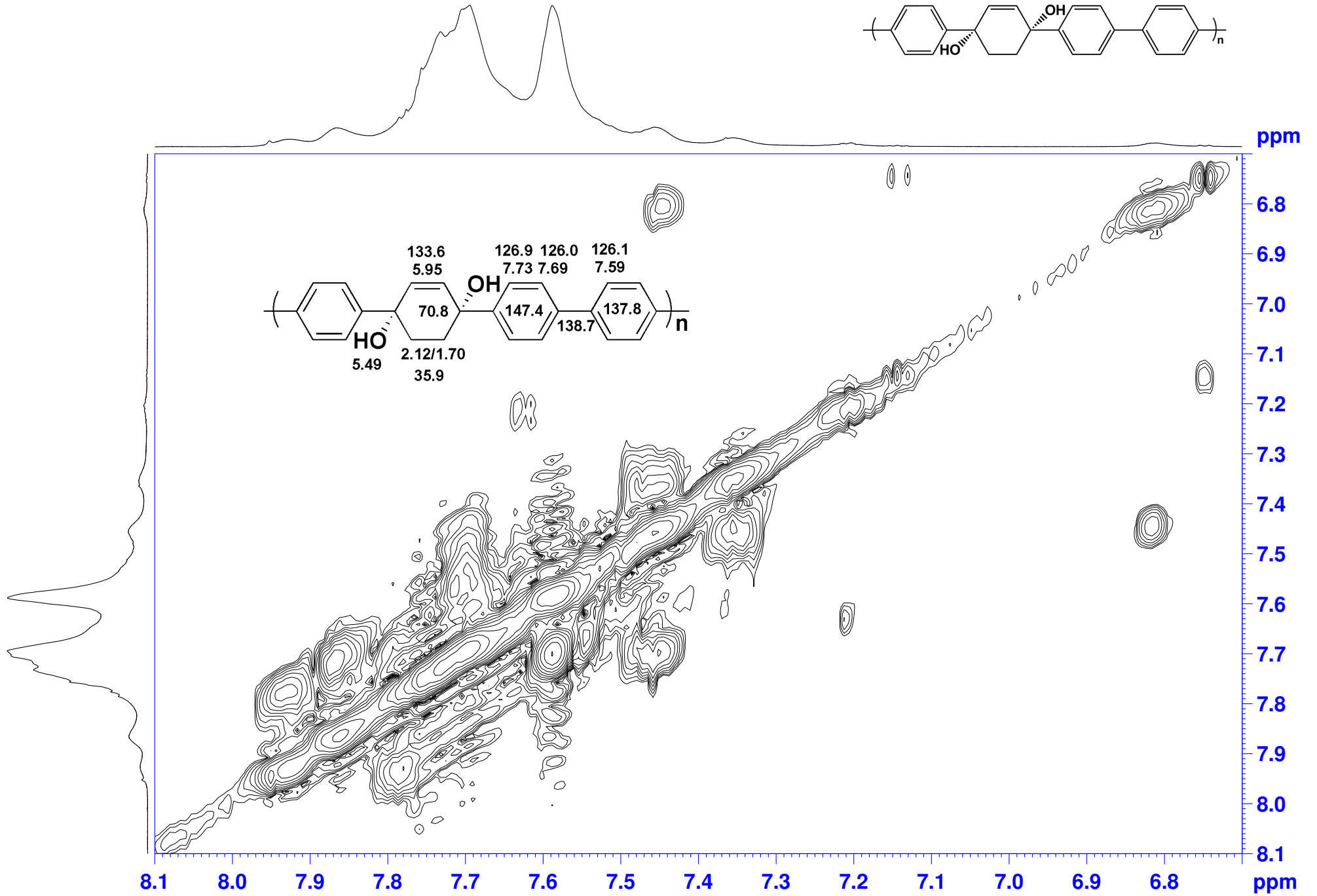
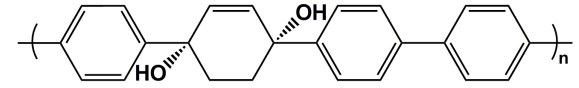
1.695
1.574

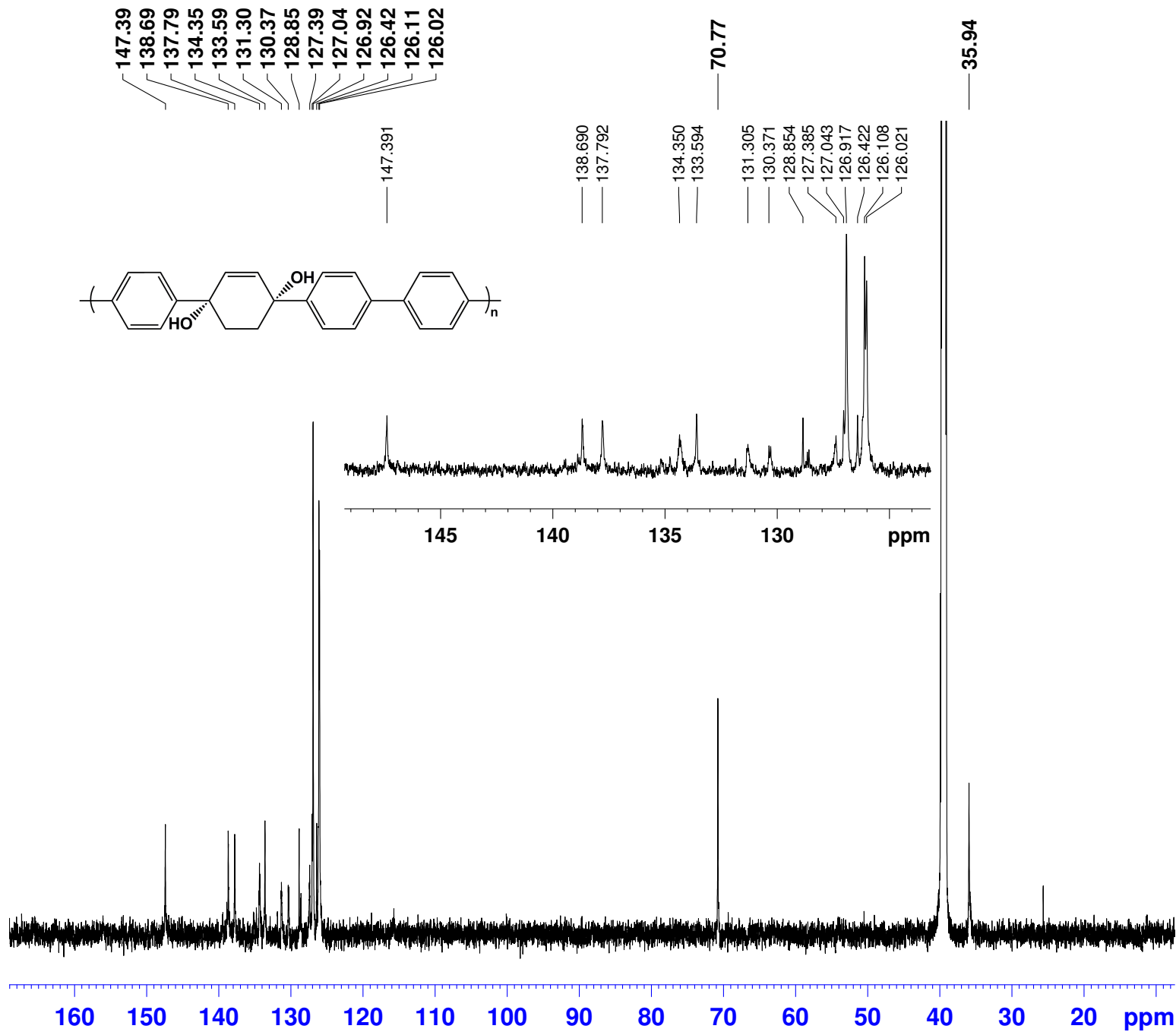
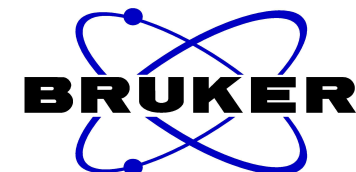


Mn,NMR= 5810 g/mol









```

NAME      DPA-146_precipitated-700 MHz
EXPNO     2
PROCNO    1
Date_     20110801
Time      8.28
INSTRUM   spect
PROBHD    5 mm CPTCI 1H-
PULPROG   zgdc30
TD         65356
SOLVENT   DMSO
NS         1721
DS         0
SWH       42613.637 Hz
FIDRES    0.652023 Hz
AQ         0.7668937 sec
RG         1620
DW         11.733 usec
DE         20.00 usec
TE         300.0 K
D1         0.30000001 sec
D11        0.03000000 sec
TD0        1

```

```

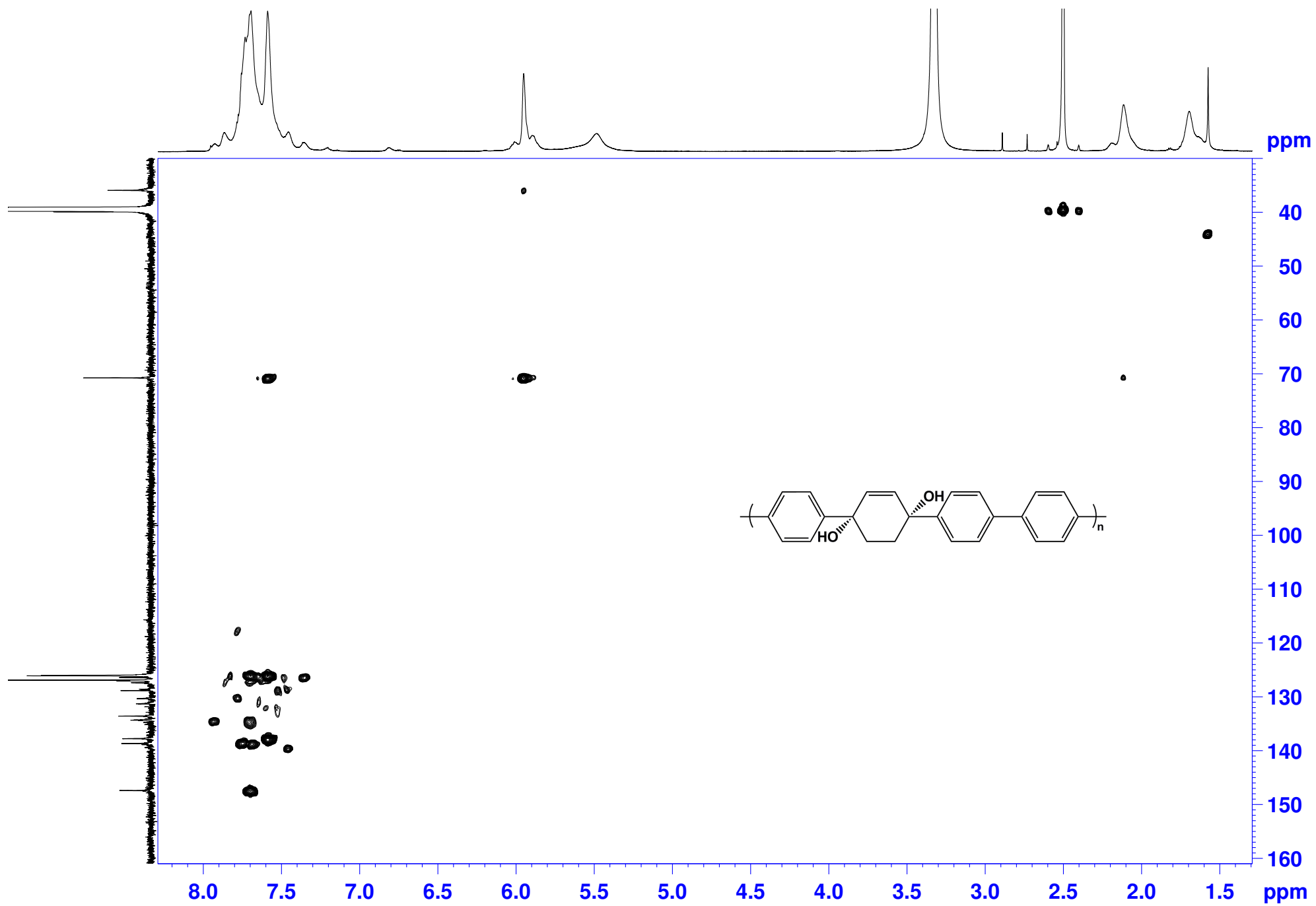
===== CHANNEL f1 =====
NUC1      13C
P1        14.00 usec
PL1       7.00 dB
PL1W      18.94487762 W
SFO1      176.1476671 MHz

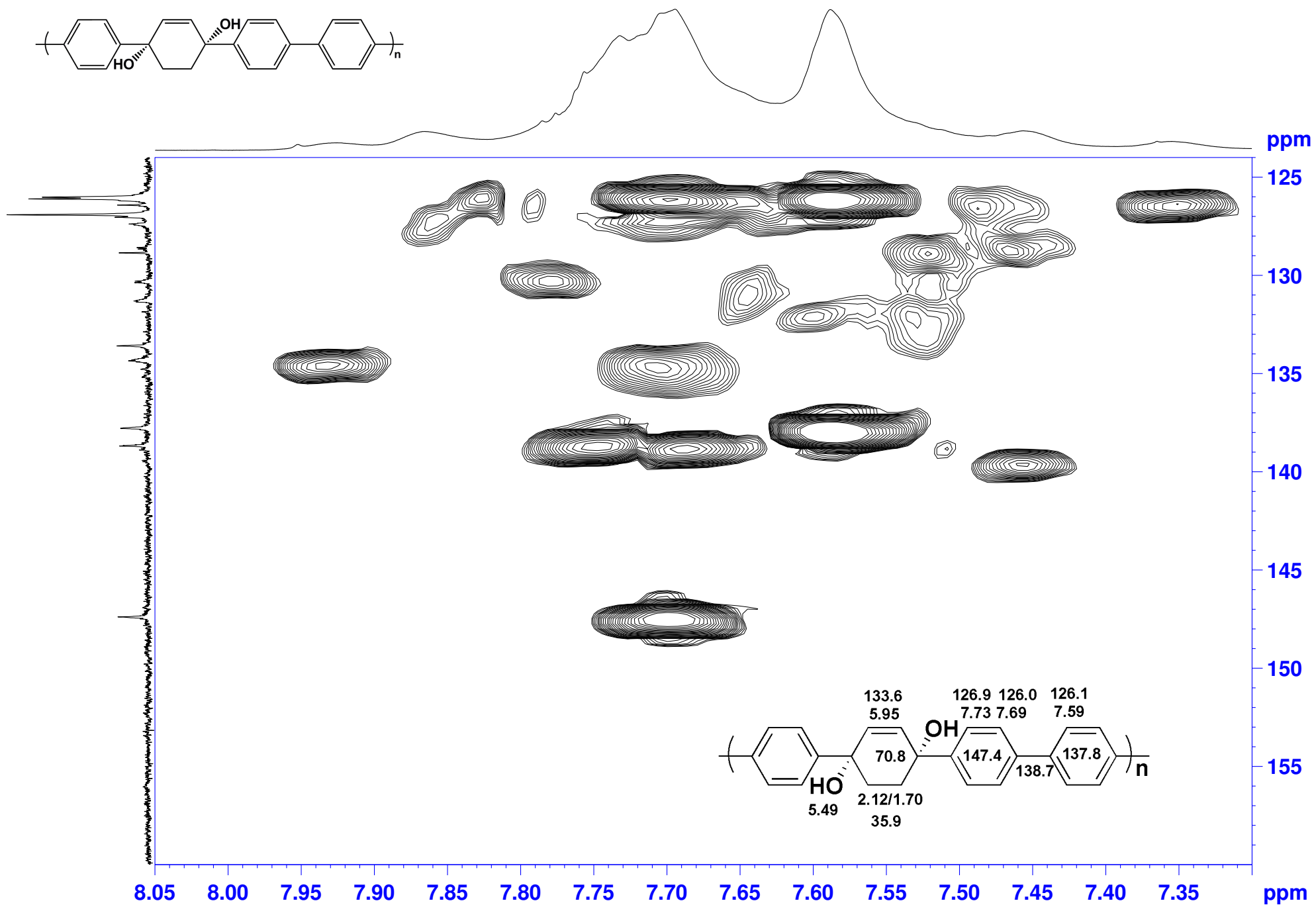
```

```

===== CHANNEL f2 =====
CPDPRG2   waltz16
NUC2      1H
PCPD2     65.00 usec
PL2       4.00 dB
PL12      20.98 dB
PL2W      9.00000000 W
PL12W     0.18029827 W
SFO2      700.4531737 MHz
SI         65536
SF         176.1283960 MHz
WDW       EM
SSB       0
LB         2.00 Hz
GB         0
PC         1.40

```



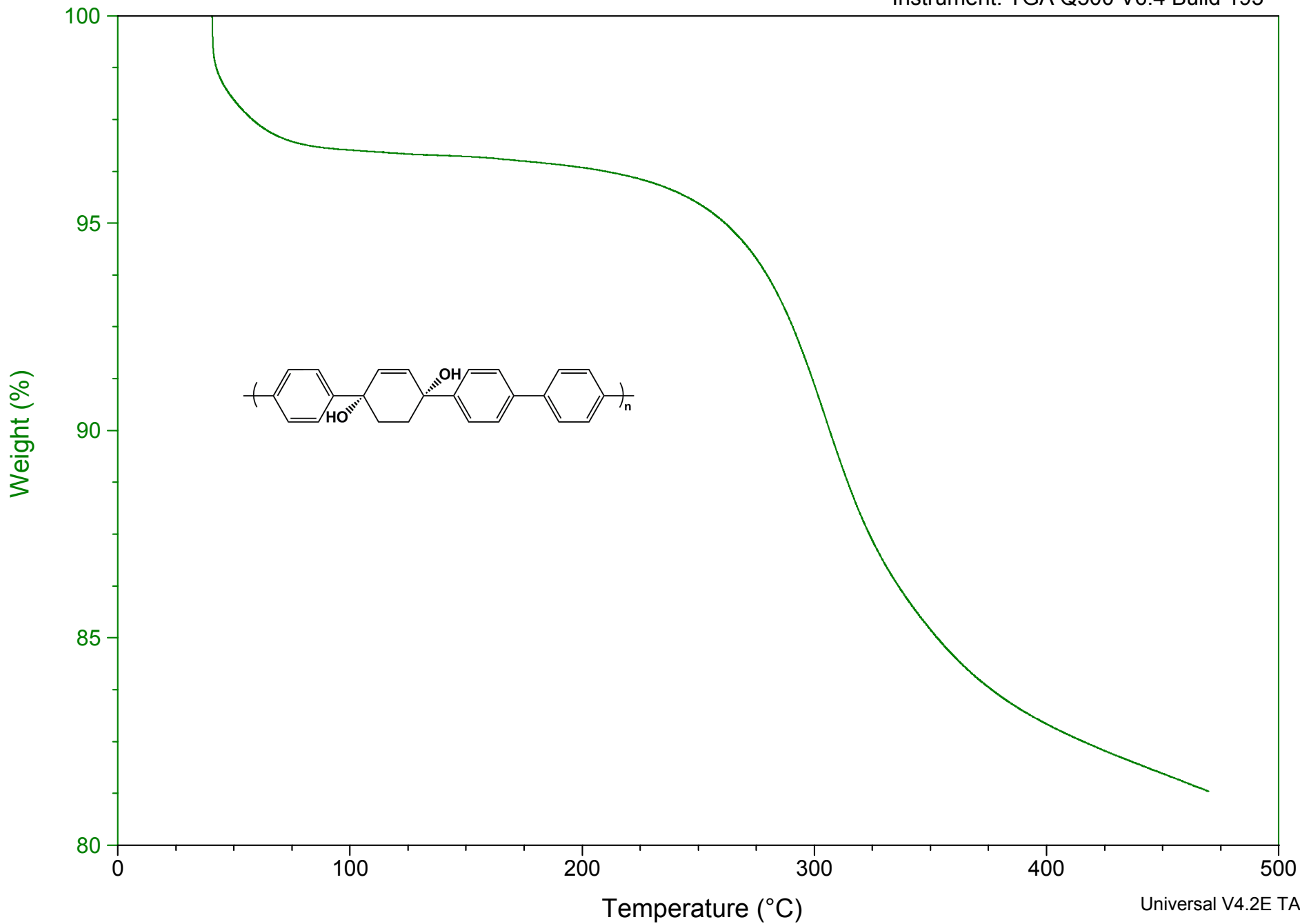


Sample: DPA-136
Size: 6.2720 mg
Method: Ramp
Comment: N2

TGA

S25

File: C:\...TGA analysis\fd12jul11-101.TGA
Operator: Bruria
Run Date: 12-Jul-2011 23:39
Instrument: TGA Q500 V6.4 Build 193



MW Averages

Mp: 5978

Mn: 5078

Mv: 5950

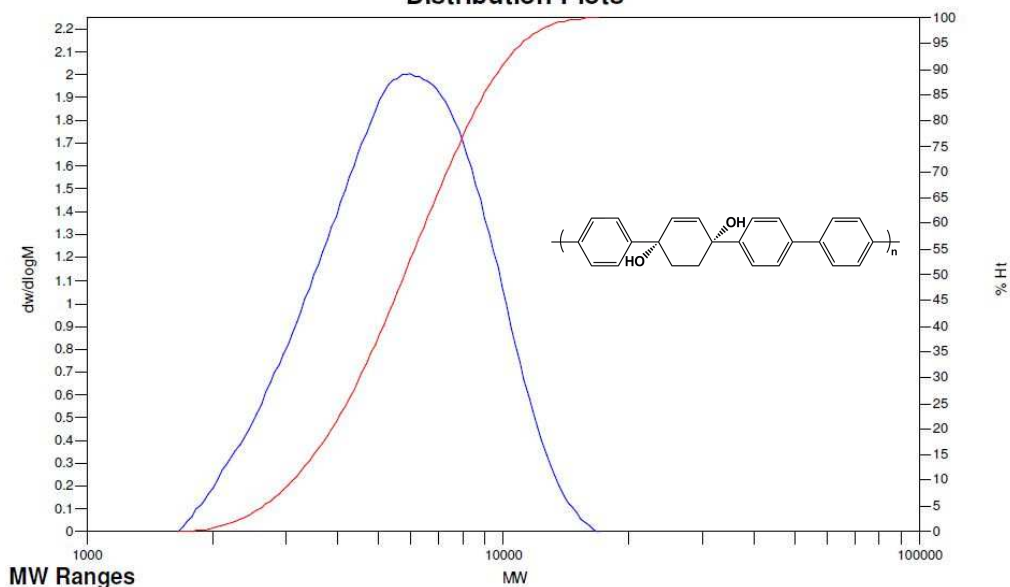
Mw: 6107

Mz: 7181

Mz+1: 8213

PD: 1.2026

Distribution Plots

GPC trace of *cis-1a* in DMF

MW Averages

Mp: 4808

Mn: 5185

Mv: 5780

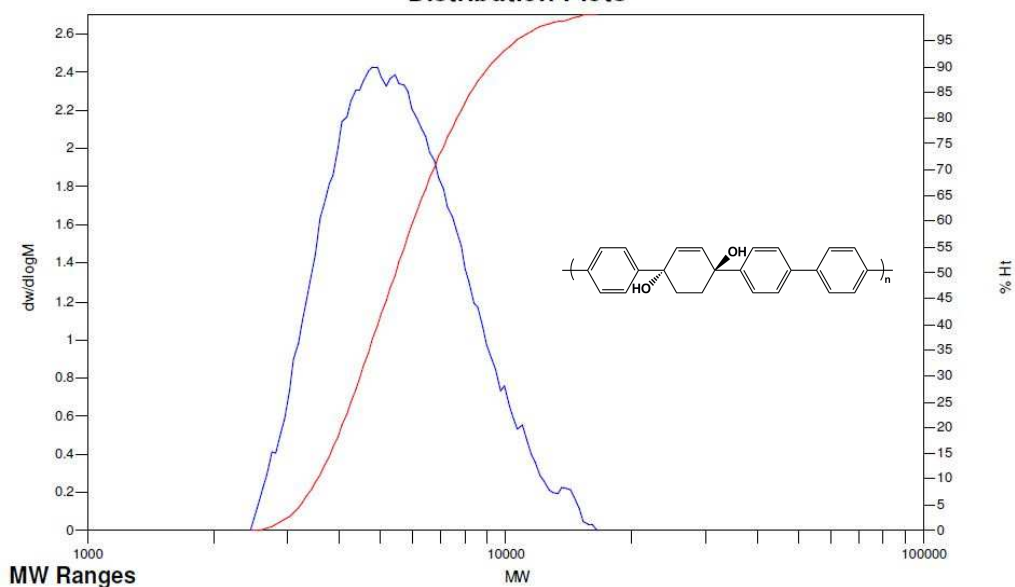
Mw: 5900

Mz: 6787

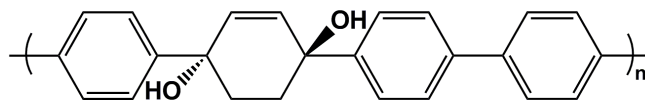
Mz+1: 7811

PD: 1.1379

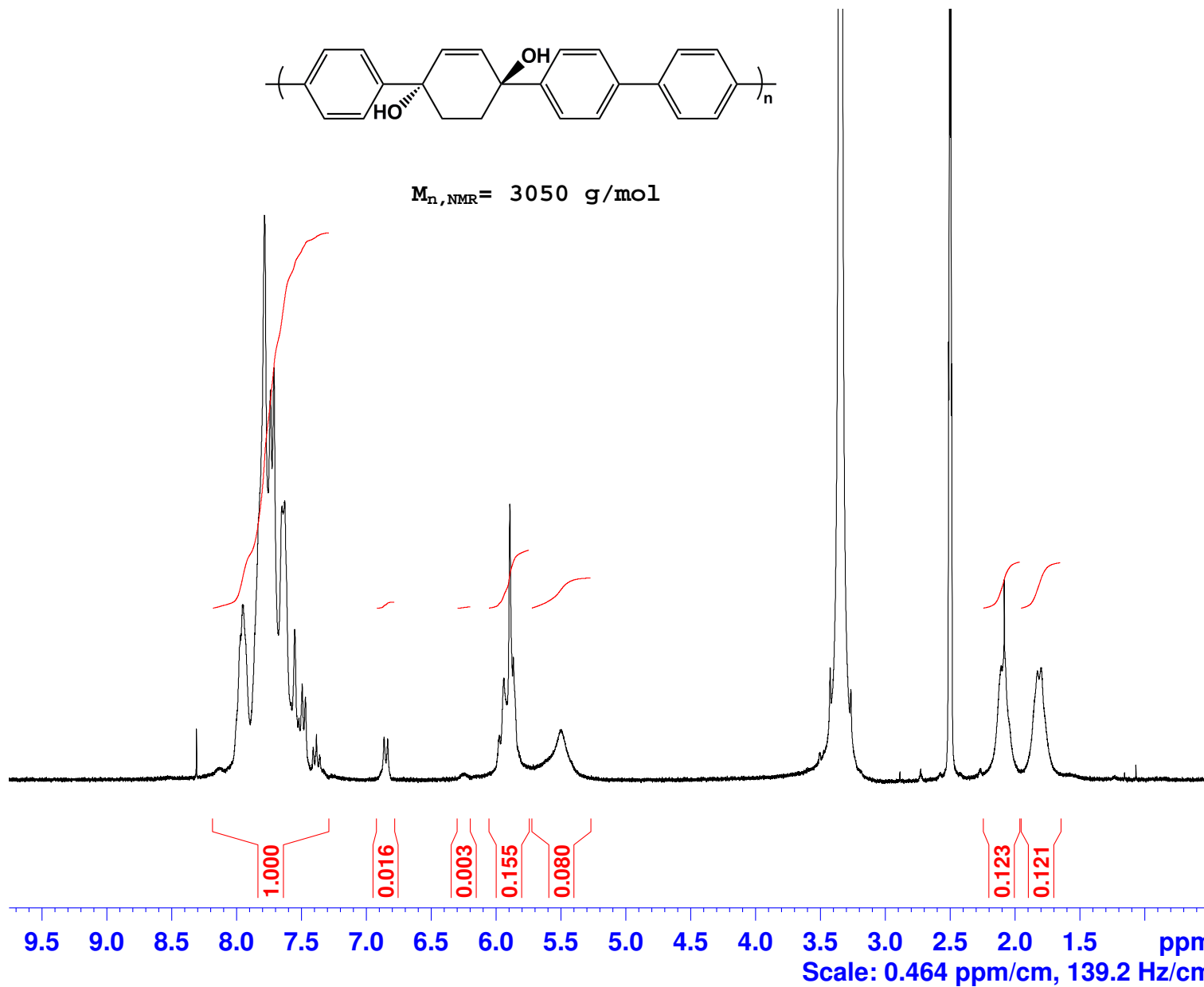
Distribution Plots

GPC trace of *trans-1b* in DMF

7.973
7.972
7.966
7.956
7.954
7.950
7.857
7.786
7.763
7.740
7.714
7.688
7.681
7.680
7.677
7.652
7.631
7.554
7.496
5.941
5.937
5.934
5.895
5.869
5.856
2.107
2.100
2.083
2.056
1.857
1.853
1.850
1.848
1.828
1.826
1.814
1.800
1.797
1.785
1.784
1.780
1.779
1.775



$M_{n,NMR} = 3050 \text{ g/mol}$

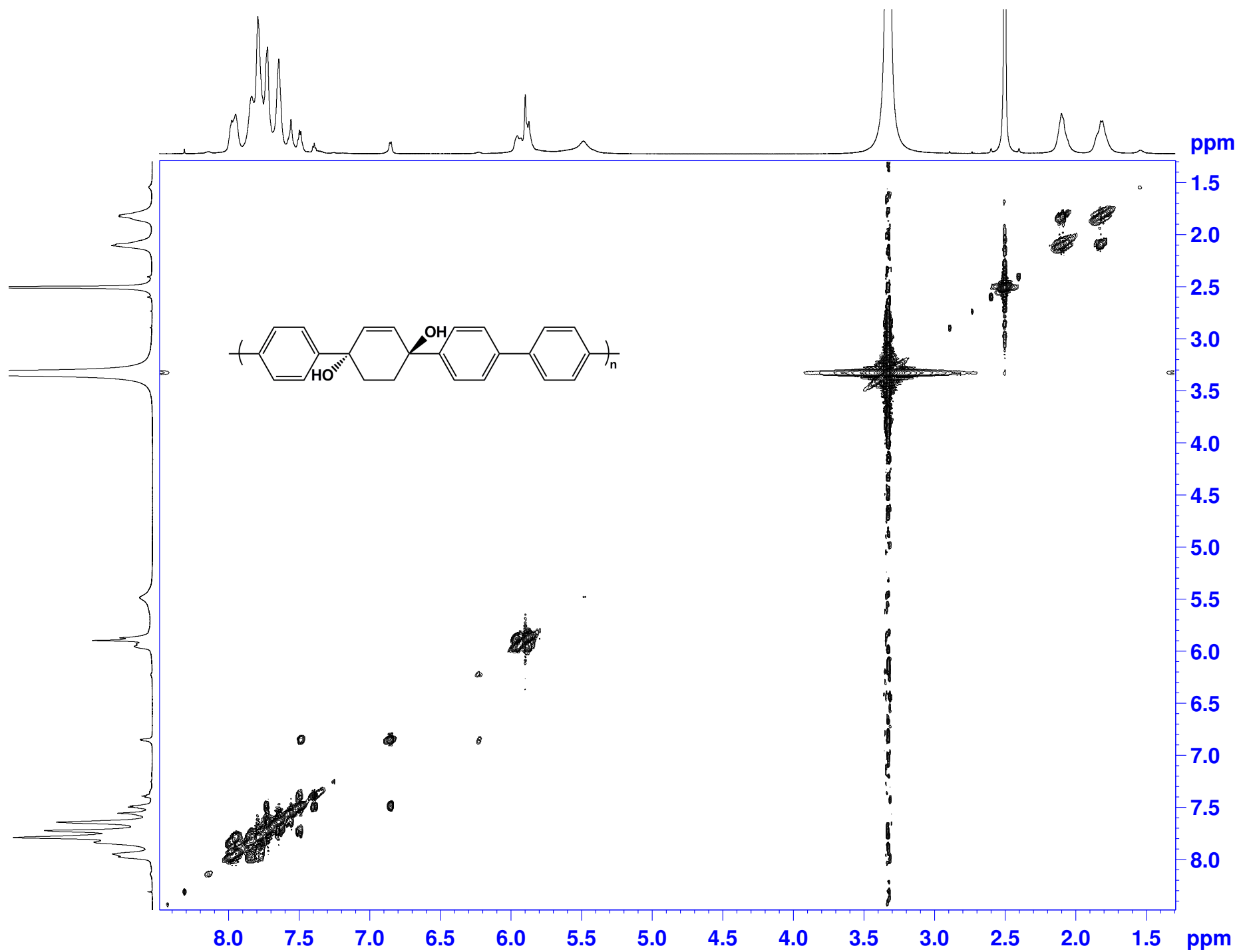


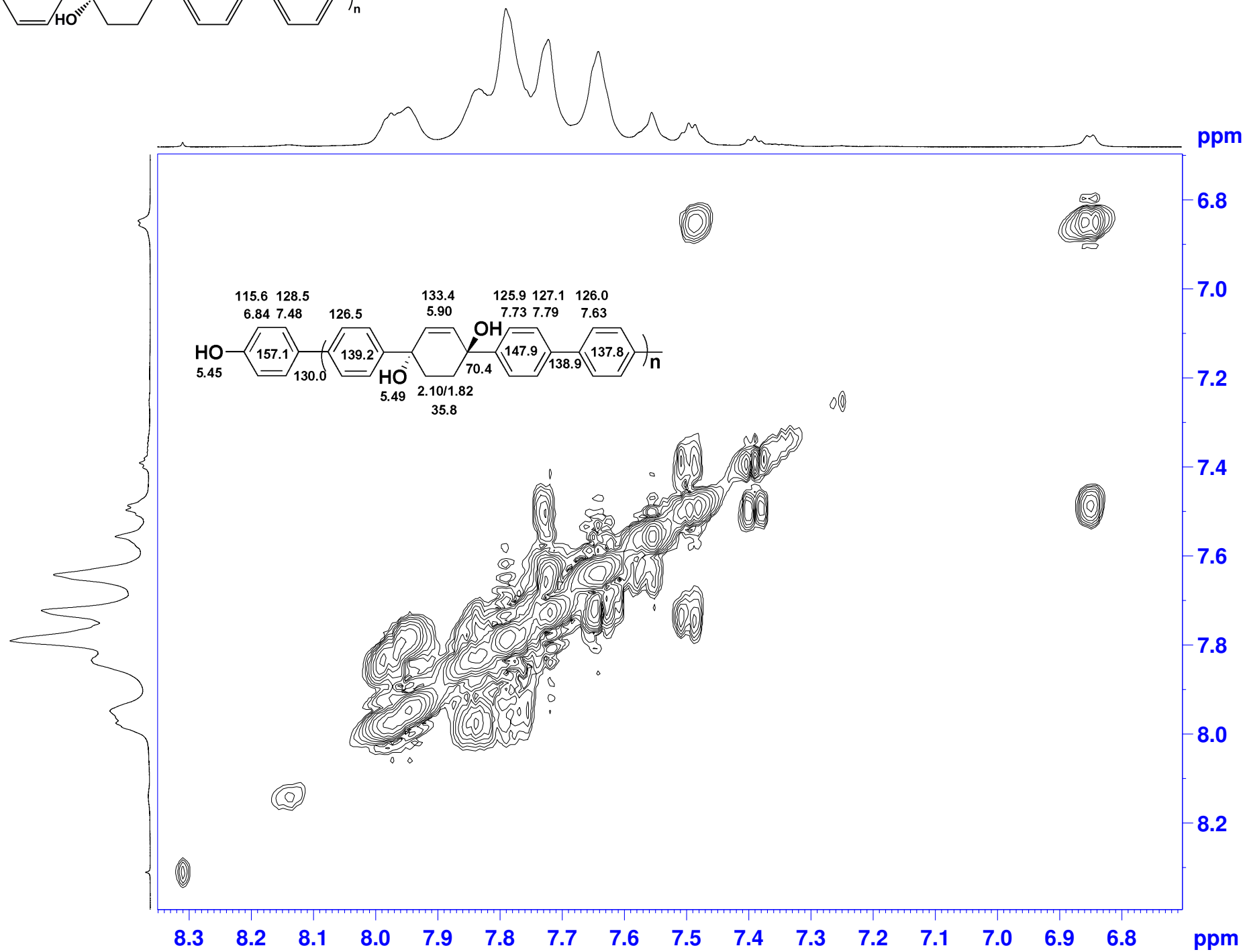
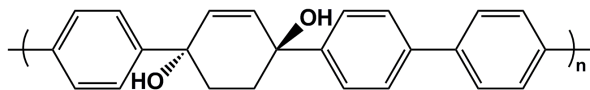
Current Data Parameters
NAME DPA-148_reprecipitated_Soxhlet_so
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110724
Time 18.31
INSTRUM spect
PROBHD 5 mm Dual 13C/
PULPROG zg
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWH 4194.631 Hz
FIDRES 0.128010 Hz
AQ 3.9059956 sec
RG 362
DW 119.200 usec
DE 6.00 usec
TE 298.2 K
D1 0.1000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 9.00 usec
PL1 -3.00 dB
SFO1 300.1319000 MHz

F2 - Processing parameters
SI 32768
SF 300.1300007 MHz
WDW EM
SSB 0
LB 0.00 Hz
GB 0
PC 0.50







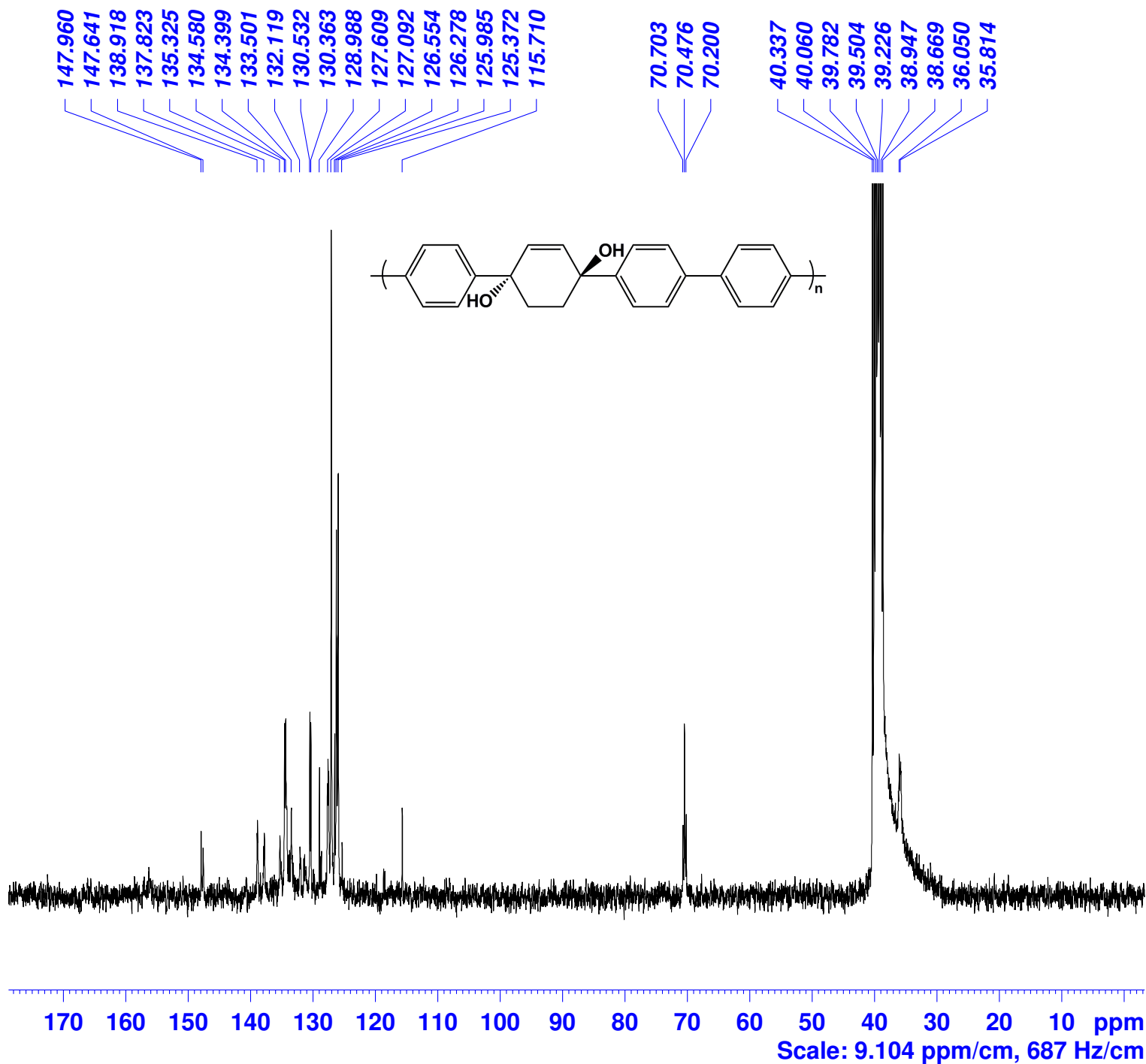
Current Data Parameters
 NAME DPA-148_reprecipitated_Soxhlet_so
 EXPNO 2
 PROCNO 1

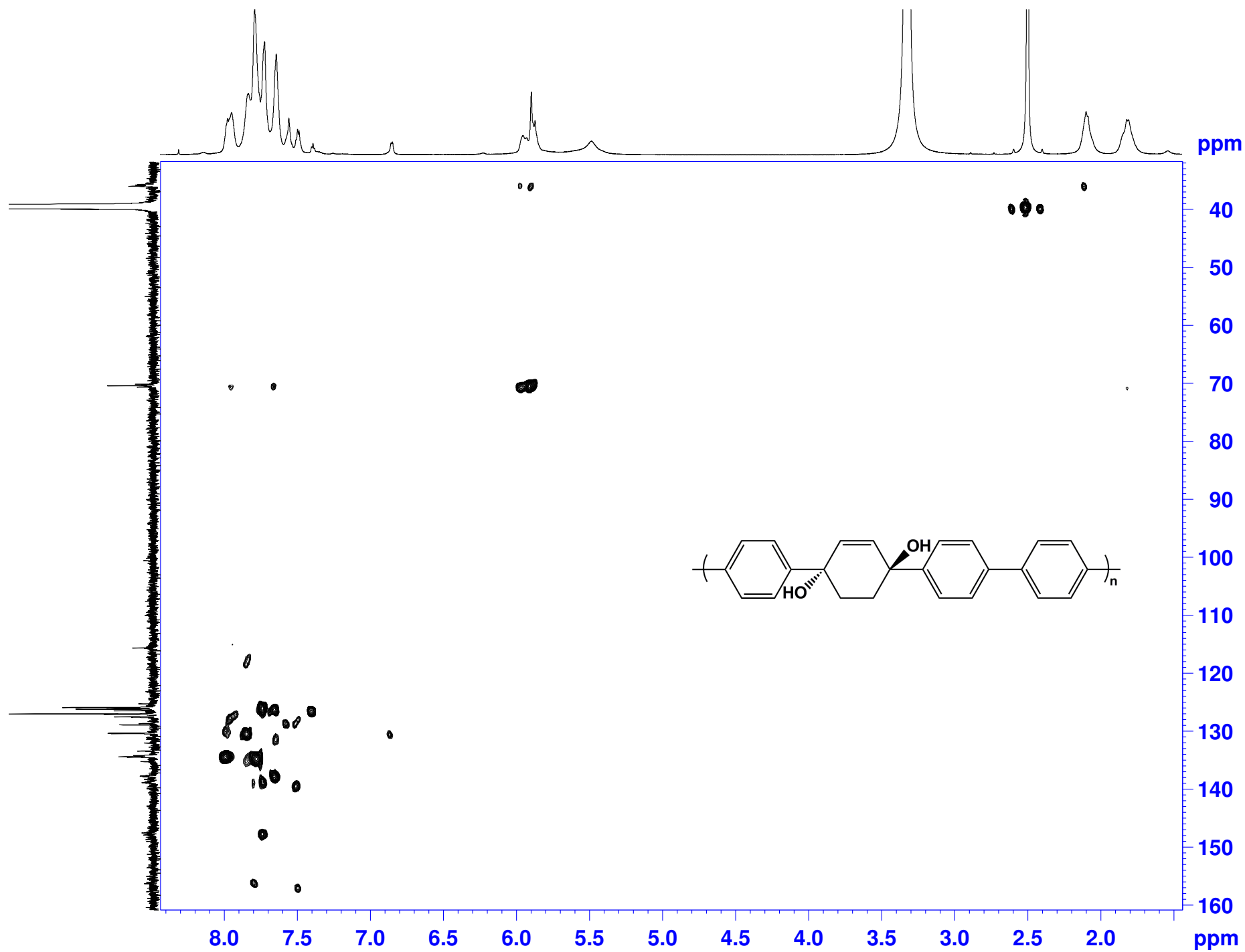
F2 - Acquisition Parameters
 Date_ 20110724
 Time 21.22
 INSTRUM spect
 PROBHD 5 mm Dual 13C/
 PULPROG zgdc
 TD 32768
 SOLVENT CDCl3
 NS 40000
 DS 0
 SWH 19723.865 Hz
 FIDRES 0.601925 Hz
 AQ 0.8307188 sec
 RG 5792.6
 DW 25.350 usec
 DE 9.46 usec
 TE 299.2 K
 D1 0.1000000 sec
 d11 0.0300000 sec
 TD0 1

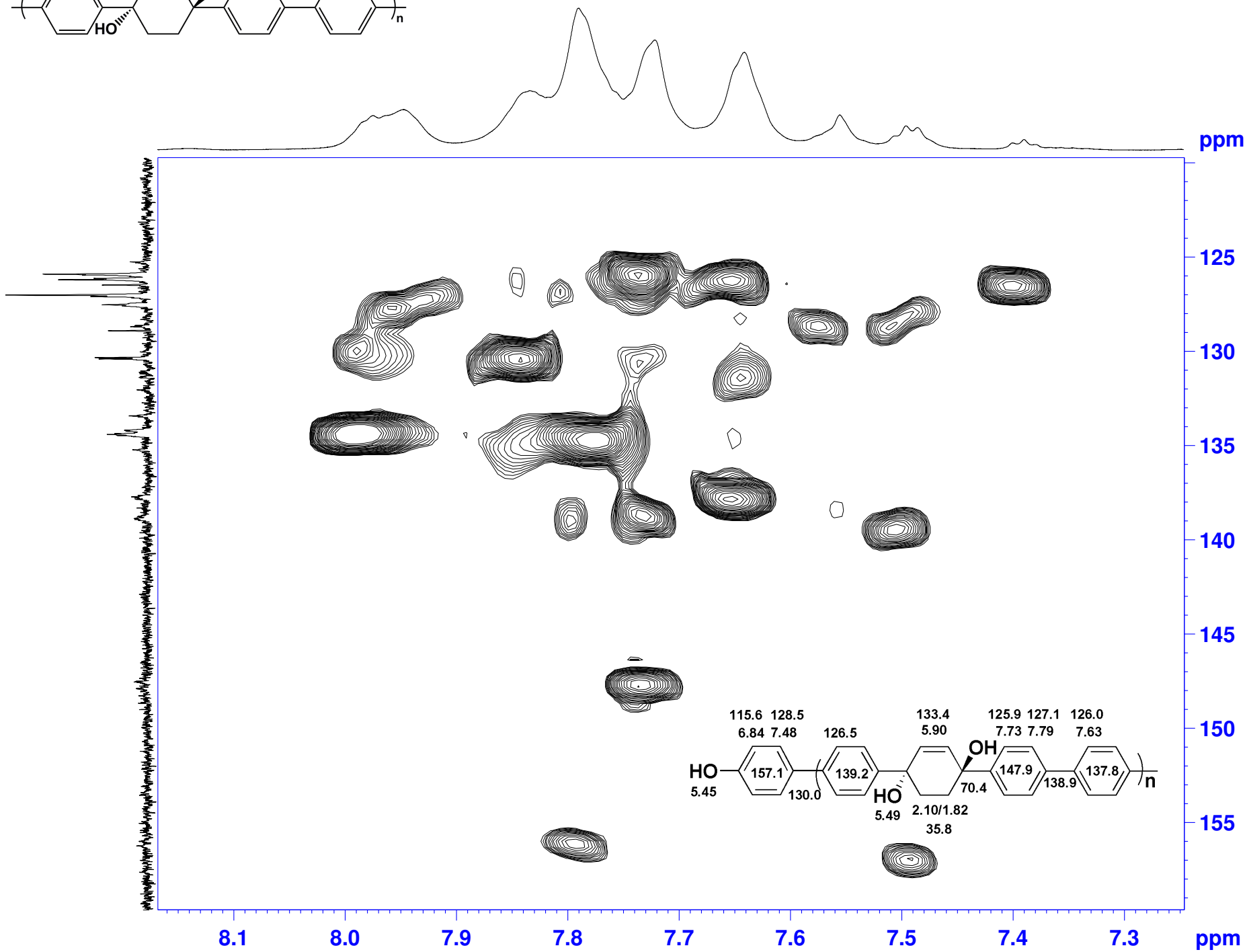
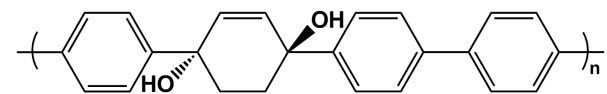
===== CHANNEL f1 =====
 NUC1 13C
 P1 3.00 usec
 PL1 -5.00 dB
 SFO1 75.4759867 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 usec
 PL2 -6.00 dB
 PL12 12.00 dB
 SFO2 300.1312000 MHz

F2 - Processing parameters
 SI 32768
 SF 75.4677853 MHz
 WDW EM
 SSB 0
 LB 2.00 Hz
 GB 0
 PC 1.00





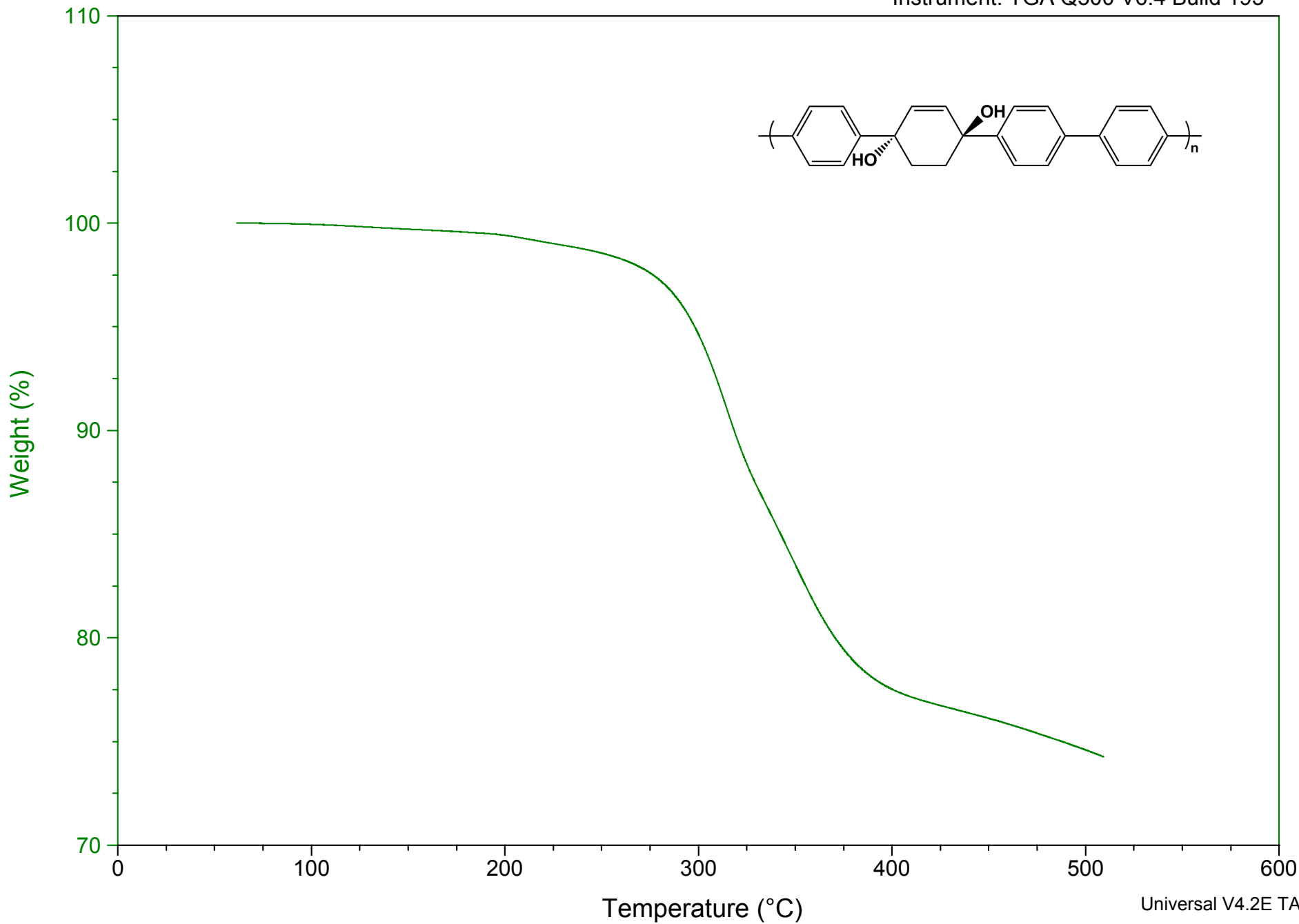


Sample: DPA-148
Size: 4.7860 mg
Method: Ramp
Comment: N2

TGA

S33

File: C:\...TGA analysis\fd3auj11-101.TGC
Operator: Sergey
Run Date: 04-Aug-2011 00:01
Instrument: TGA Q500 V6.4 Build 193



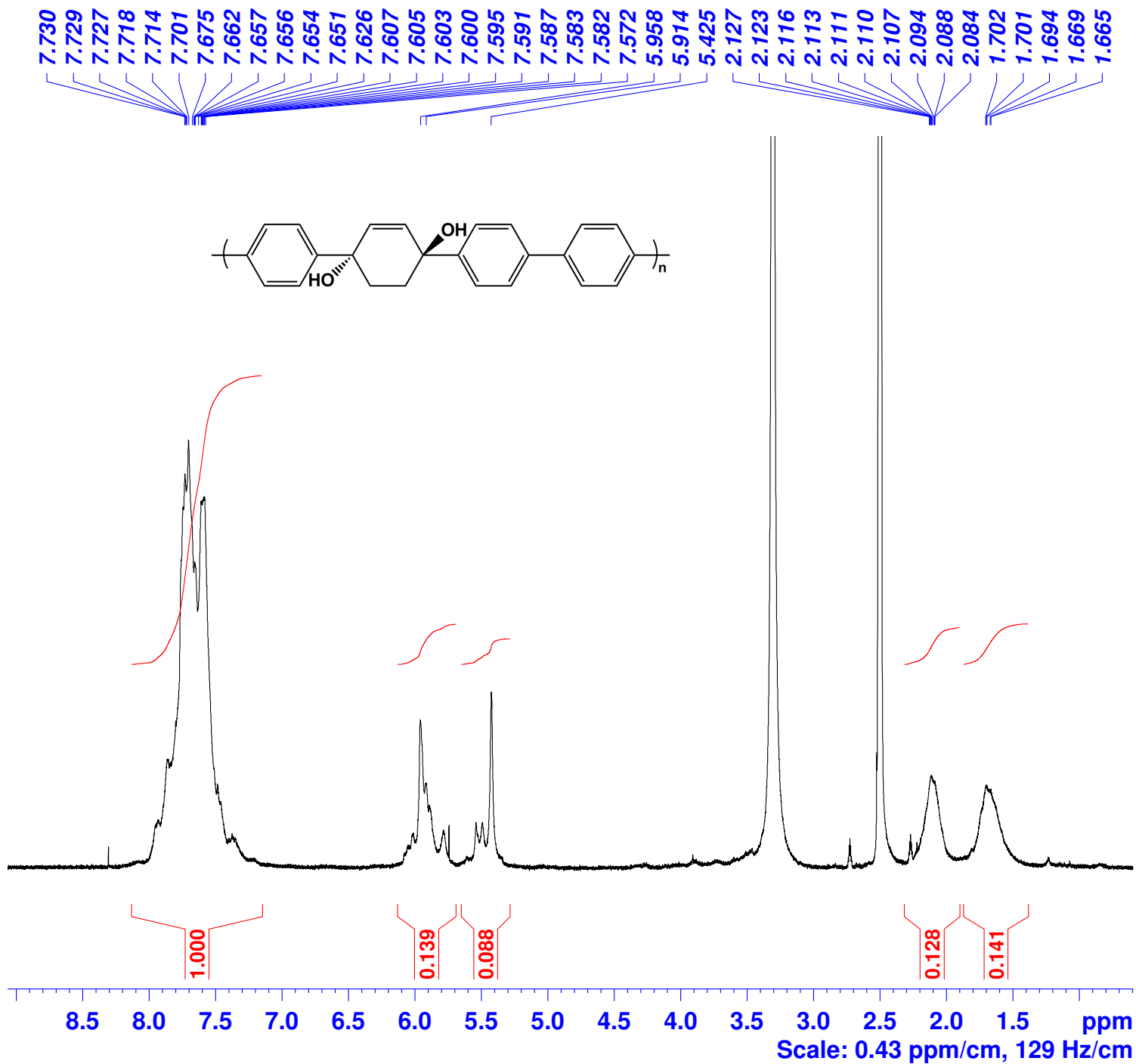


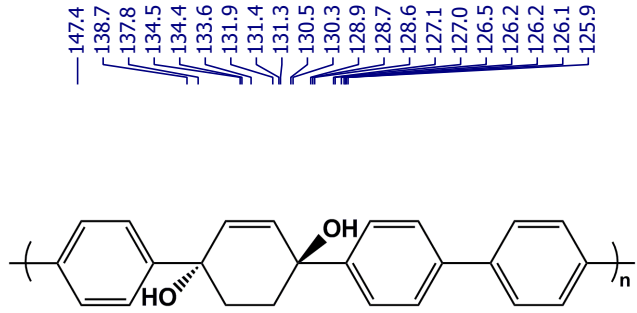
Current Data Parameters
 NAME DPA-146_Soxhlet-collPd_precipitated_Soxhlet_s
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20110829
 Time 17.39
 INSTRUM spect
 PROBHD 5 mm Dual 13C/
 PULPROG zg
 TD 32768
 SOLVENT DMSO
 NS 128
 DS 0
 SWH 4194.631 Hz
 FIDRES 0.128010 Hz
 AQ 3.9059956 sec
 RG 406.4
 DW 119.200 usec
 DE 6.00 usec
 TE 303.2 K
 DI 0.1000000 sec
 TDO 1

----- CHANNEL f1 -----
 NUC1 1H
 P1 9.00 usec
 PL1 -3.00 dB
 SFO1 300.1319000 MHz

F2 - Processing parameters
 SI 32768
 SF 300.1300008 MHz
 WDW EM
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 0.50

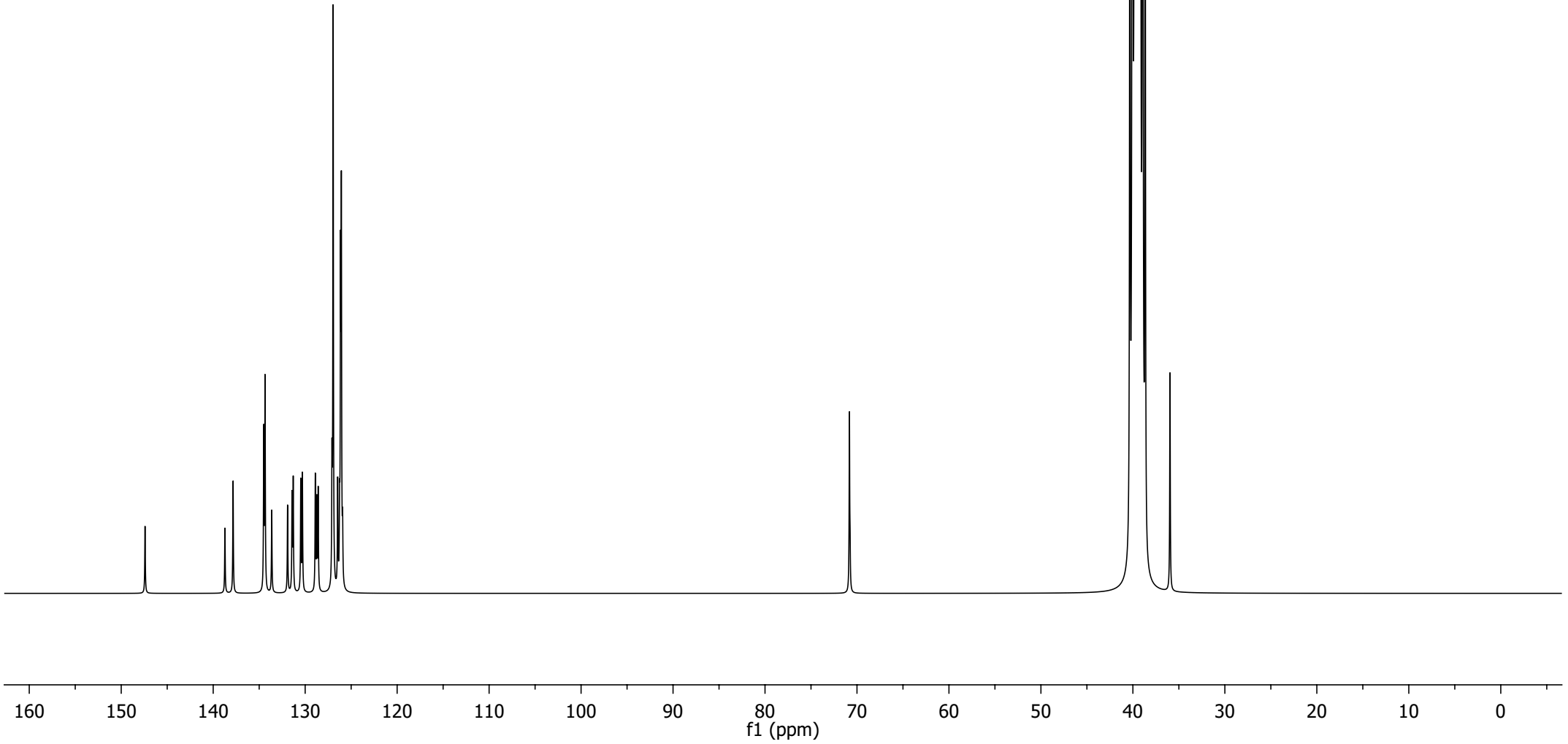


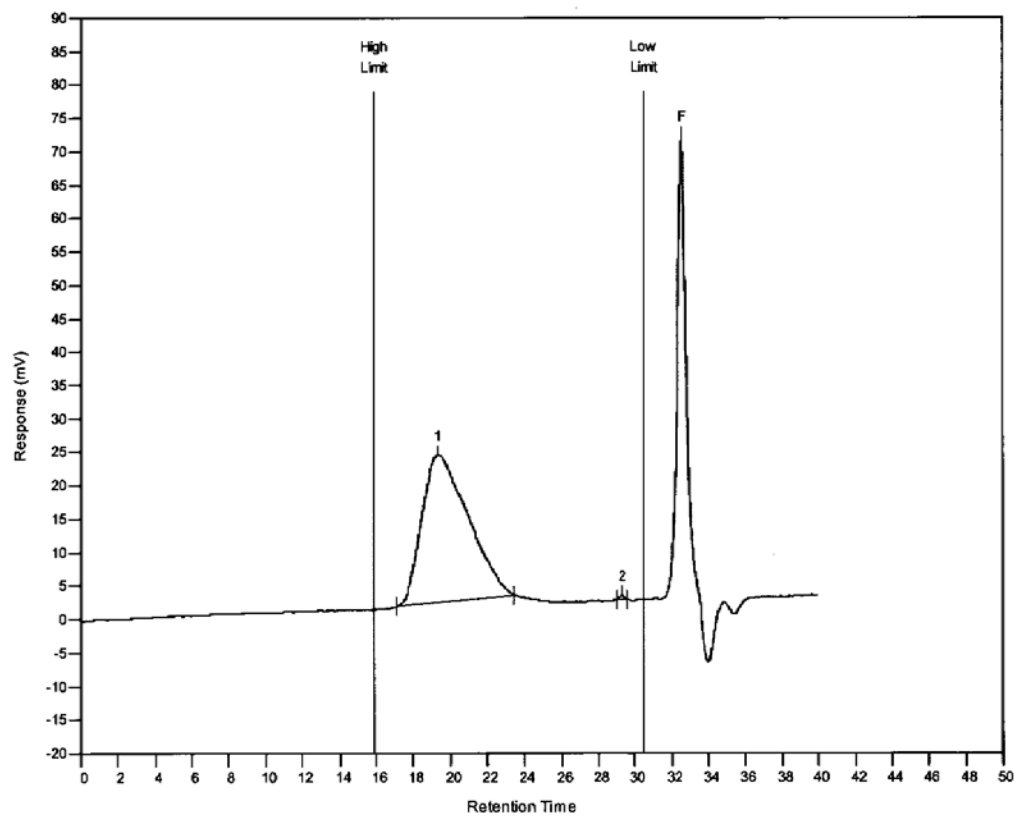
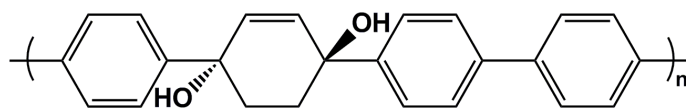


147.4
138.7
137.8
134.5
134.4
133.6
131.9
131.4
131.3
130.5
130.3
128.9
128.7
128.6
127.1
127.0
126.5
126.2
126.2
126.1
125.9

70.8

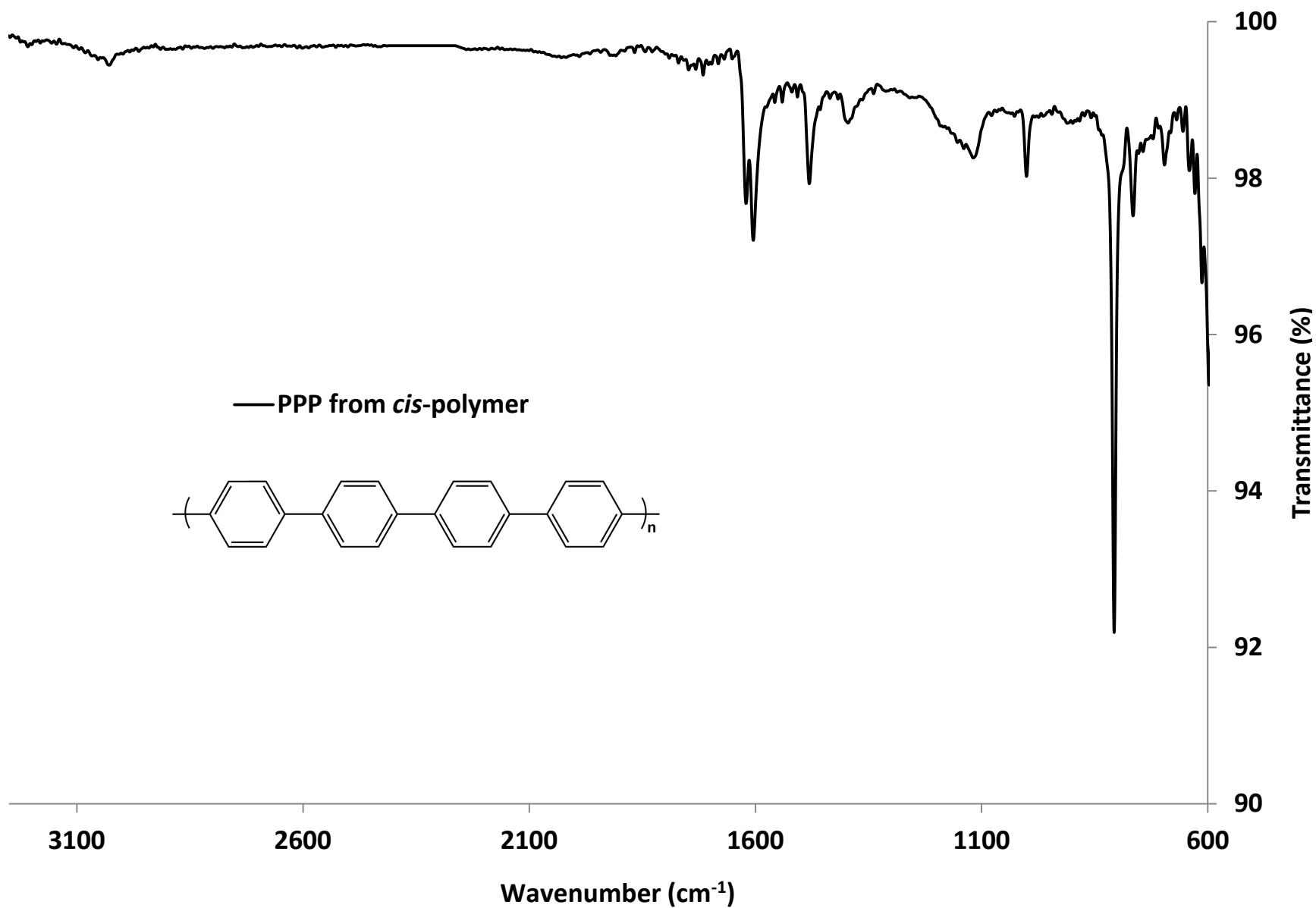
40.3
40.0
39.8
39.2
38.9
38.7
36.0

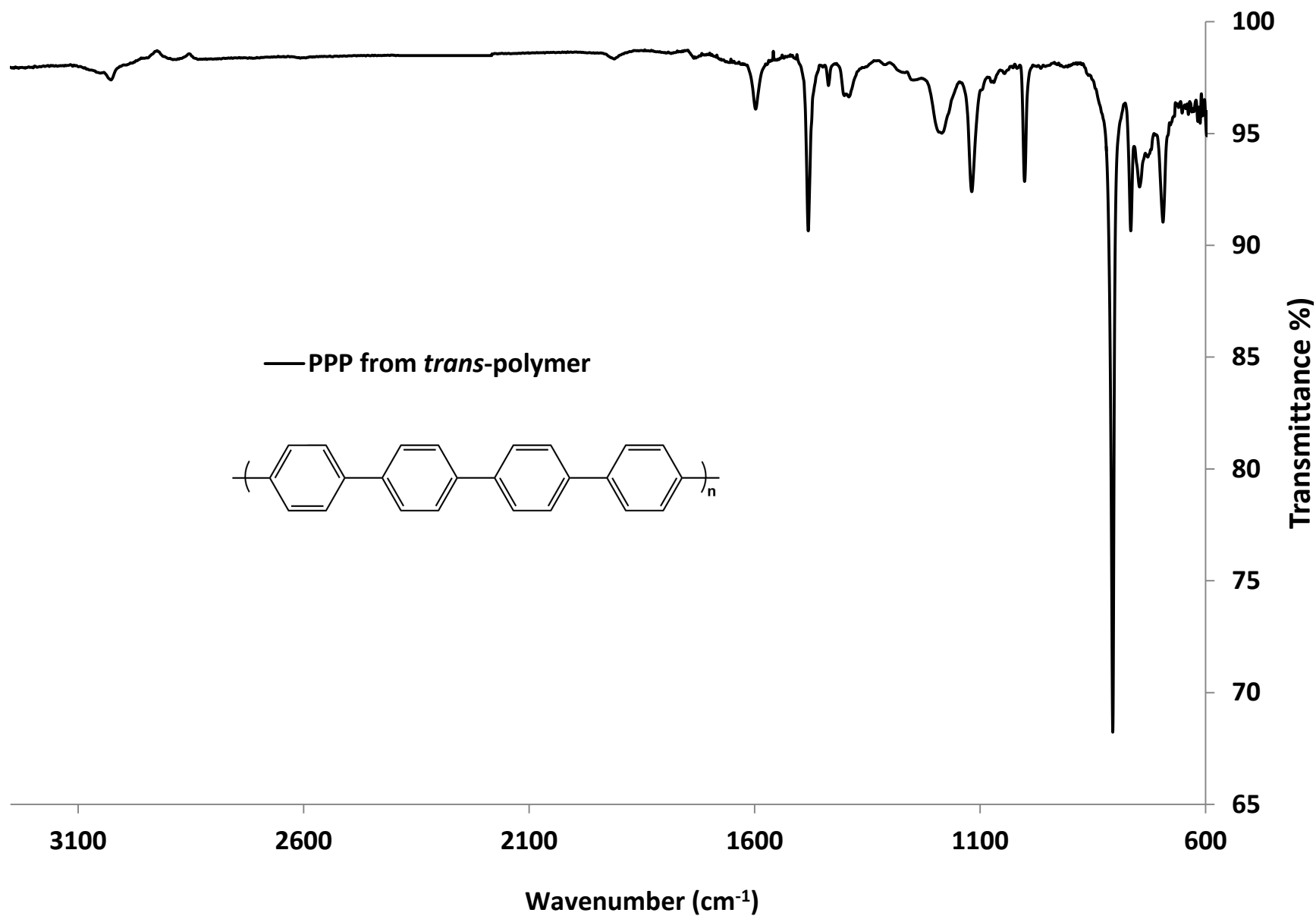




MW Averages

Peak No	Mp	Mn	Mw	Mz	Mz+1	Mv	PD
1	16040	9387	15016	22812	31484	14023	1.59966
2	269	270	269	270	271	268	0.996296
3	42	40	42	44	45	42	1.05

IR spectrum of PPP obtained by pyrolysis of *cis*-polymer (*cis*-1a)



IR spectrum of PPP obtained by pyrolysis of *trans*-polymer (*trans*-1b)

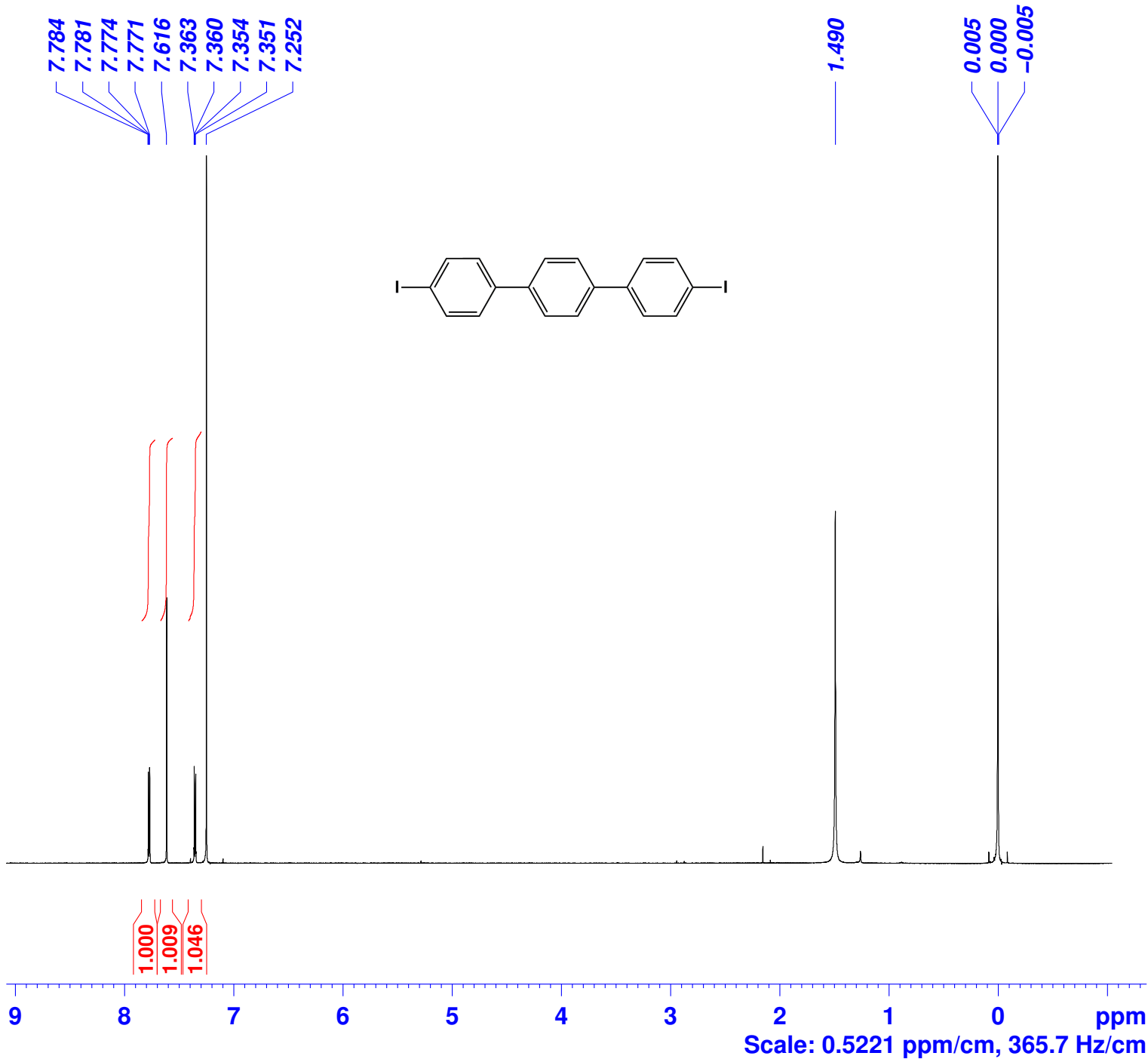


Current Data Parameters
 NAME DPA-159-xtals
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameter
 Date_ 20110814
 Time 12.14
 INSTRUM spect
 PROBHD 5 mm CPTCI 1H-
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 8
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.149596 Hz
 AQ 3.3423860 se
 RG 7.12
 DW 51.000 us
 DE 6.50 us
 TE 318.0 K
 D1 1.00000000 se
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 8.42 us
 PL1 4.00 dB
 PL1W 9.00000000 W
 SFO1 700.4542027 MH

F2 - Processing parameters
 SI 65536
 SF 700.4500353 MH
 WDW EM
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00





Current Data Parameters
 NAME DPA-159 crystals 700 M
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20110814
 Time 12.17
 INSTRUM spect
 PROBHD 5 mm CPTCI 1H-
 PULPROG zgdc30
 TD 65356
 SOLVENT CDCl3
 NS 1569
 DS 0
 SWH 42613.637 Hz
 FIDRES 0.652023 Hz
 AQ 0.7668937 sec
 RG 1620
 DW 11.733 usec
 DE 20.00 usec
 TE 318.0 K
 D1 0.30000001 sec
 D11 0.03000000 sec
 TDO 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 14.00 usec
 PL1 7.00 dB
 PL1W 18.94487762 W
 SFO1 176.1476671 MHz

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 65.00 usec
 PL2 4.00 dB
 PL12 21.75 dB
 PL2W 9.00000000 W
 PL12W 0.15102178 W
 SFO2 700.4531737 MHz

F2 - Processing parameters
 SI 65356
 SF 176.1282817 MHz
 WDW EM
 SSB 0
 LB 2.00 Hz
 GB 0
 PC 1.40

