Supporting Information

Ferric Perchlorate-Promoted Reaction of [60]Fullerene with *N*-Sulfonyl Aldimines: Synthesis and Functionalization of Fulleroxazolidines

Tong-Xin Liu, Fa-Bao Li, Dian-Bing Zhou and Guan-Wu Wang*

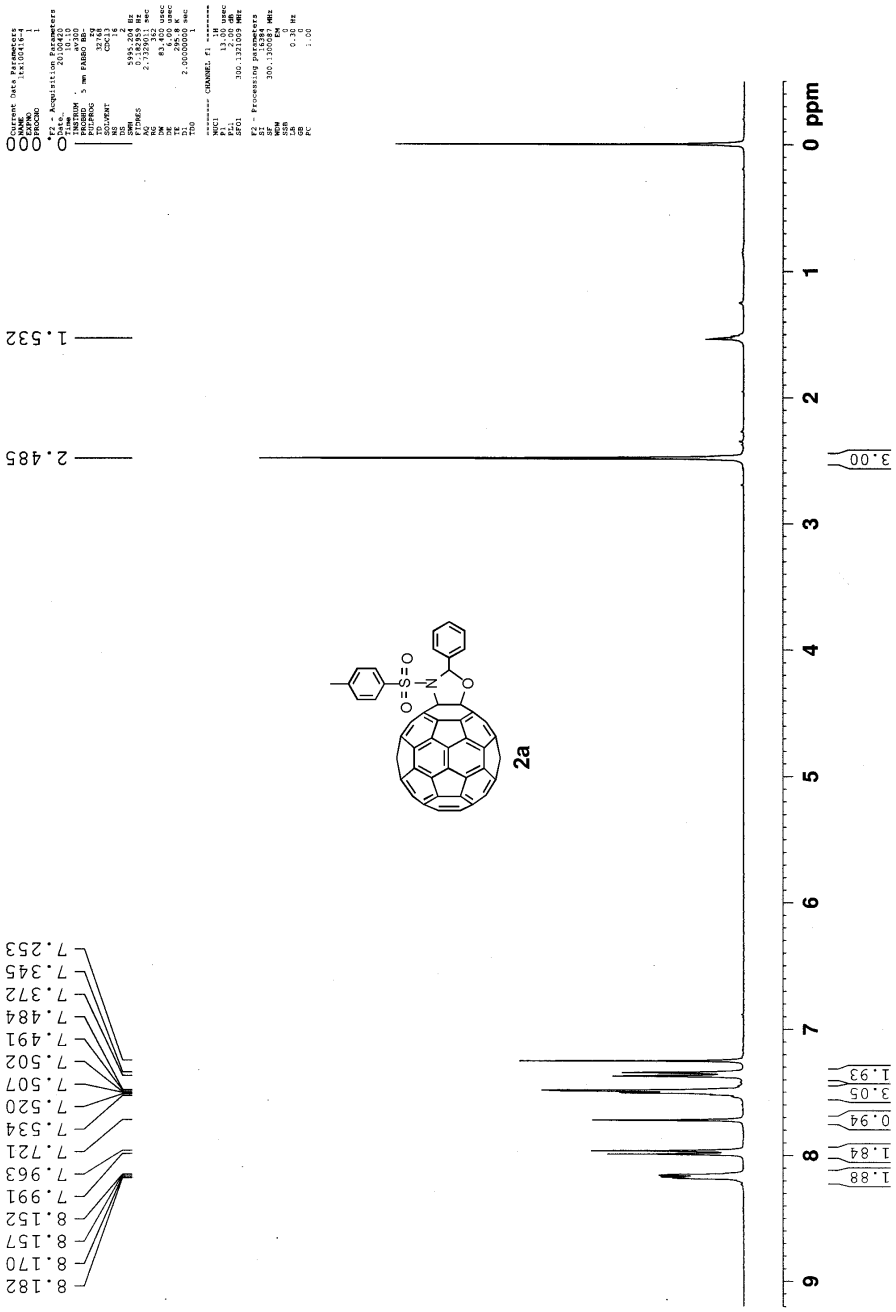
CAS Key Laboratory of Soft Matter Chemistry, iChEM, Hefei National Laboratory for Physical Sciences at Microscale, and Department of Chemistry, University of Science and Technology of China, Hefei, Anhui 230026, P. R. China

gwang@ustc.edu.cnn

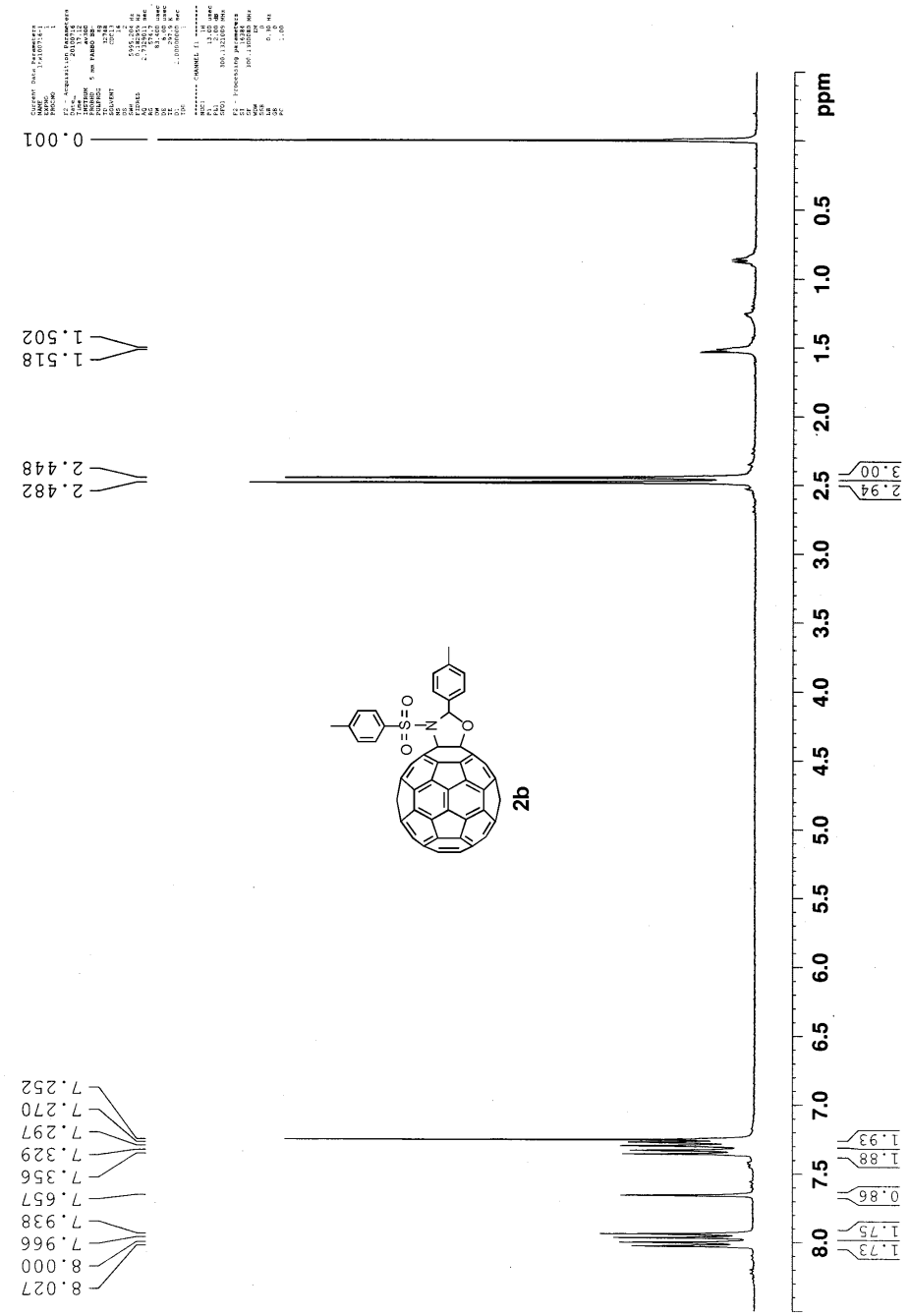
Table of Contents

^{1}H NMR spectrum of product **2a**	S2
^{1}H NMR spectrum of product **2b**	S3
^{13}C NMR spectrum of product **2b**	S4
^{1}H NMR spectrum of product **2c**	S5
^{13}C NMR spectrum of product **2c**	S6
^{1}H NMR spectrum of product **2d**	S7
^{1}H NMR spectrum of product **2e**	S8
^{13}C NMR spectrum of product **2e**	S9
^{1}H NMR spectrum of product **2f**	S10
^{1}H NMR spectrum of product **2g**	S11
^{13}C NMR spectrum of product **2g**	S12
^{1}H NMR spectrum of product **2h**	S13
^{13}C NMR spectrum of product **2h**	S14
^{1}H NMR spectrum of product **2i**	S15
^{13}C NMR spectrum of product **2i**	S16
^{1}H NMR spectrum of product **2j**	S17
^{13}C NMR spectrum of product **2j**	S18
^{1}H NMR spectrum of product **4a**	S19
^{1}H NMR spectrum of product **4b**	S20
^{1}H NMR spectrum of product **4c**	S21
^{13}C NMR spectrum of product **4c**	S22
^{1}H NMR spectrum of product **4d**	S23
UV–vis spectra of compound **2a−j** and **4a−d**	S24−S30
CVs of compounds **2a–j**	S31−S35

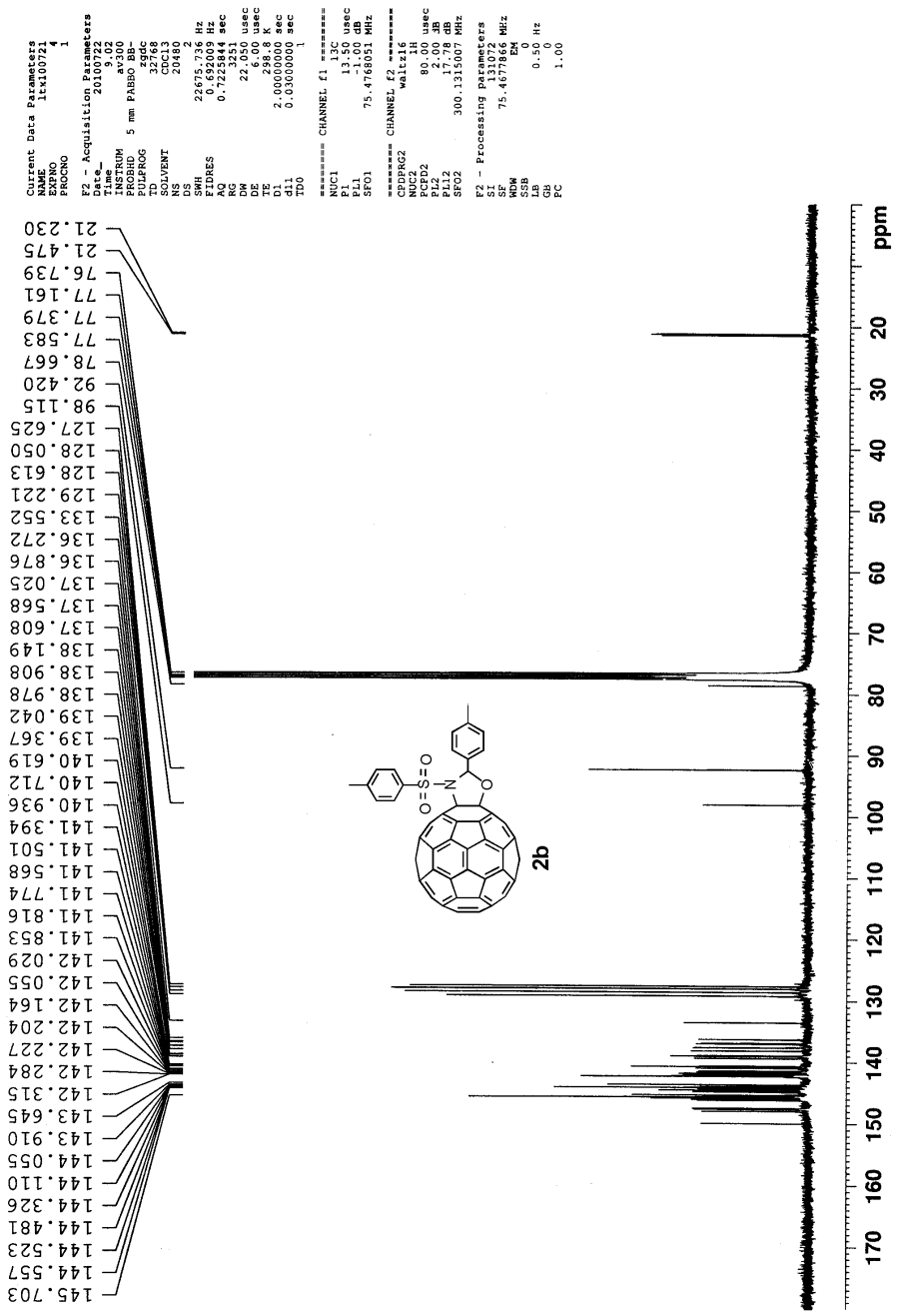
^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2a



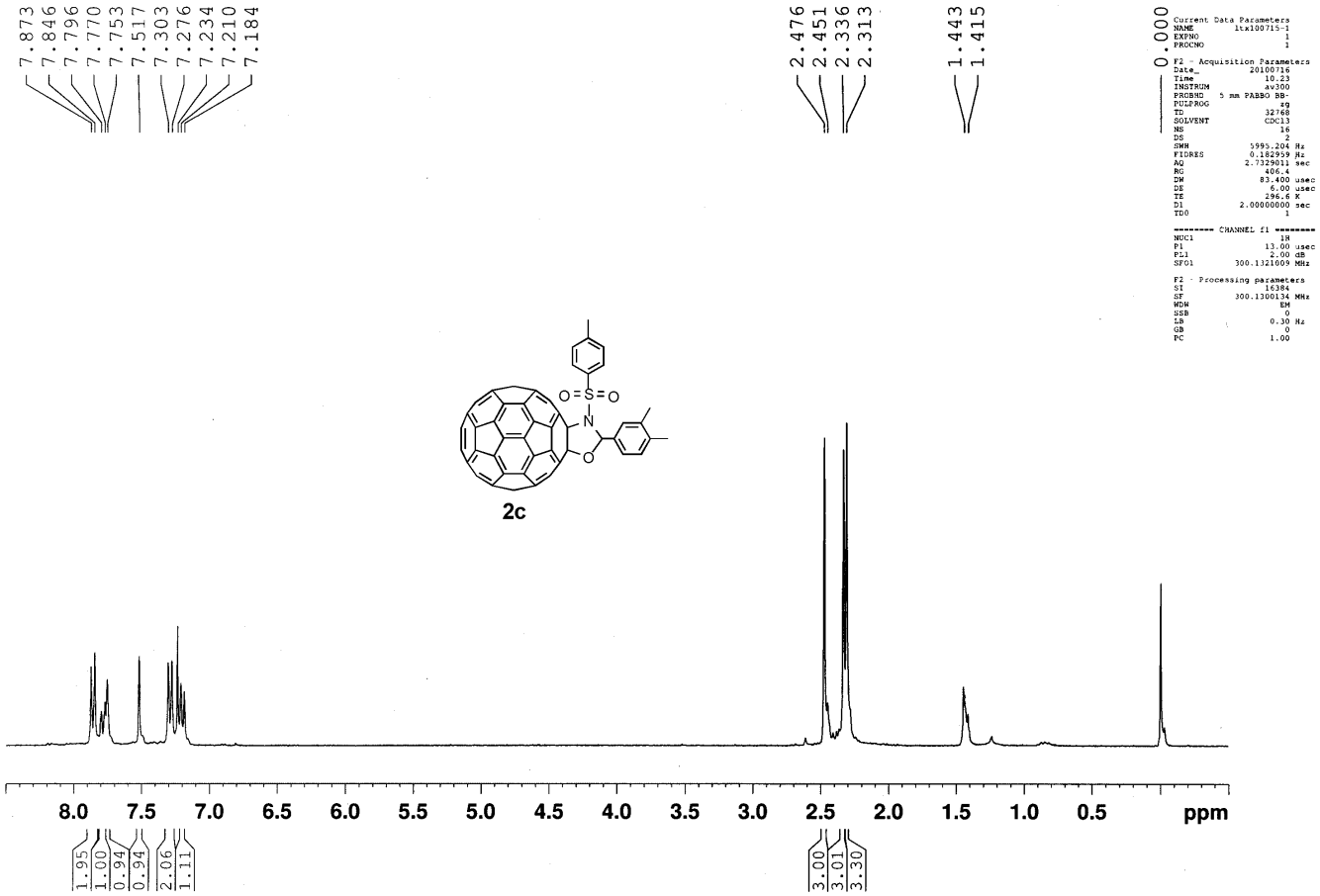
^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2b



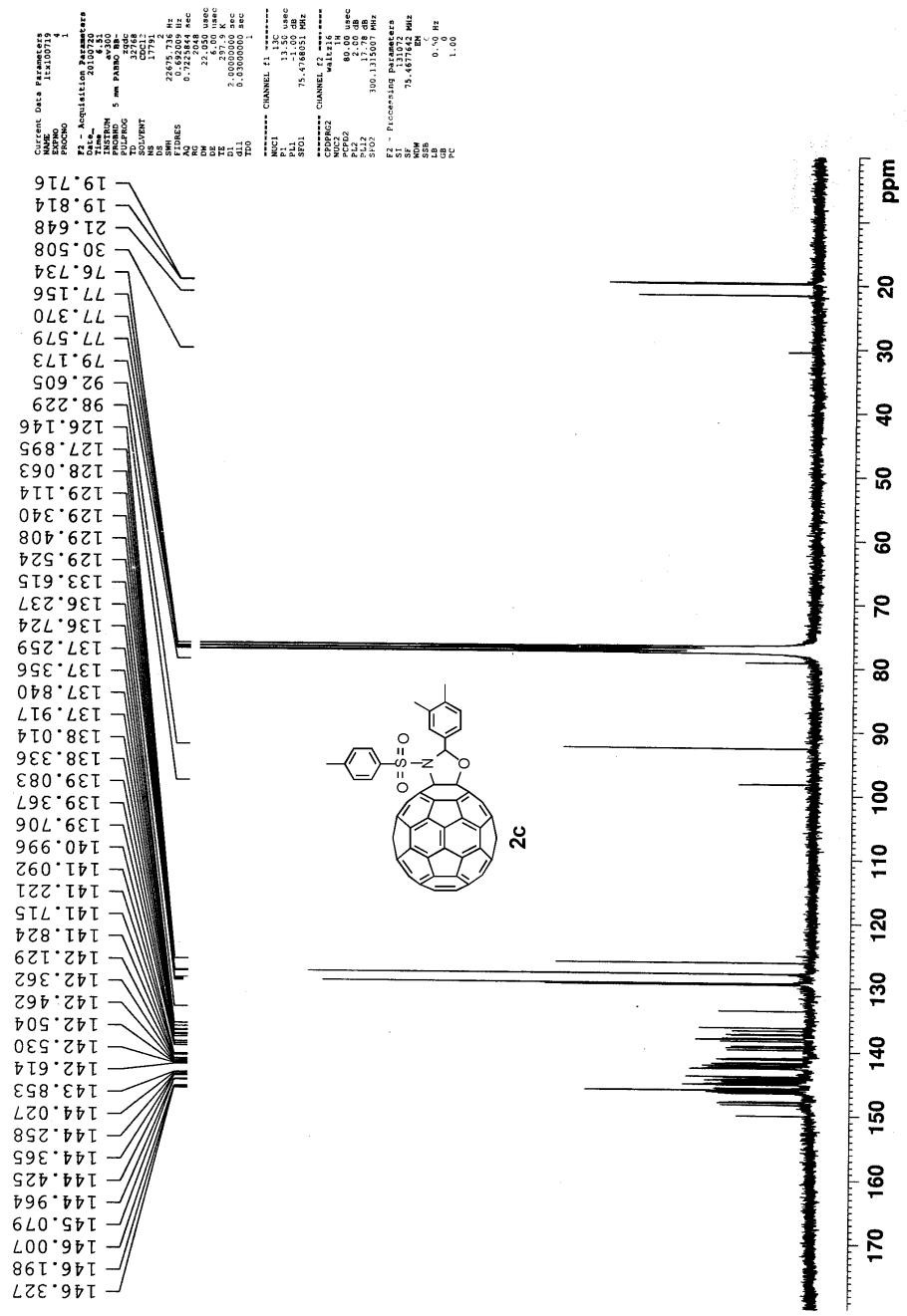
^{13}C NMR (75 MHz, $CDCl_3/CS_2$) of compound 2b



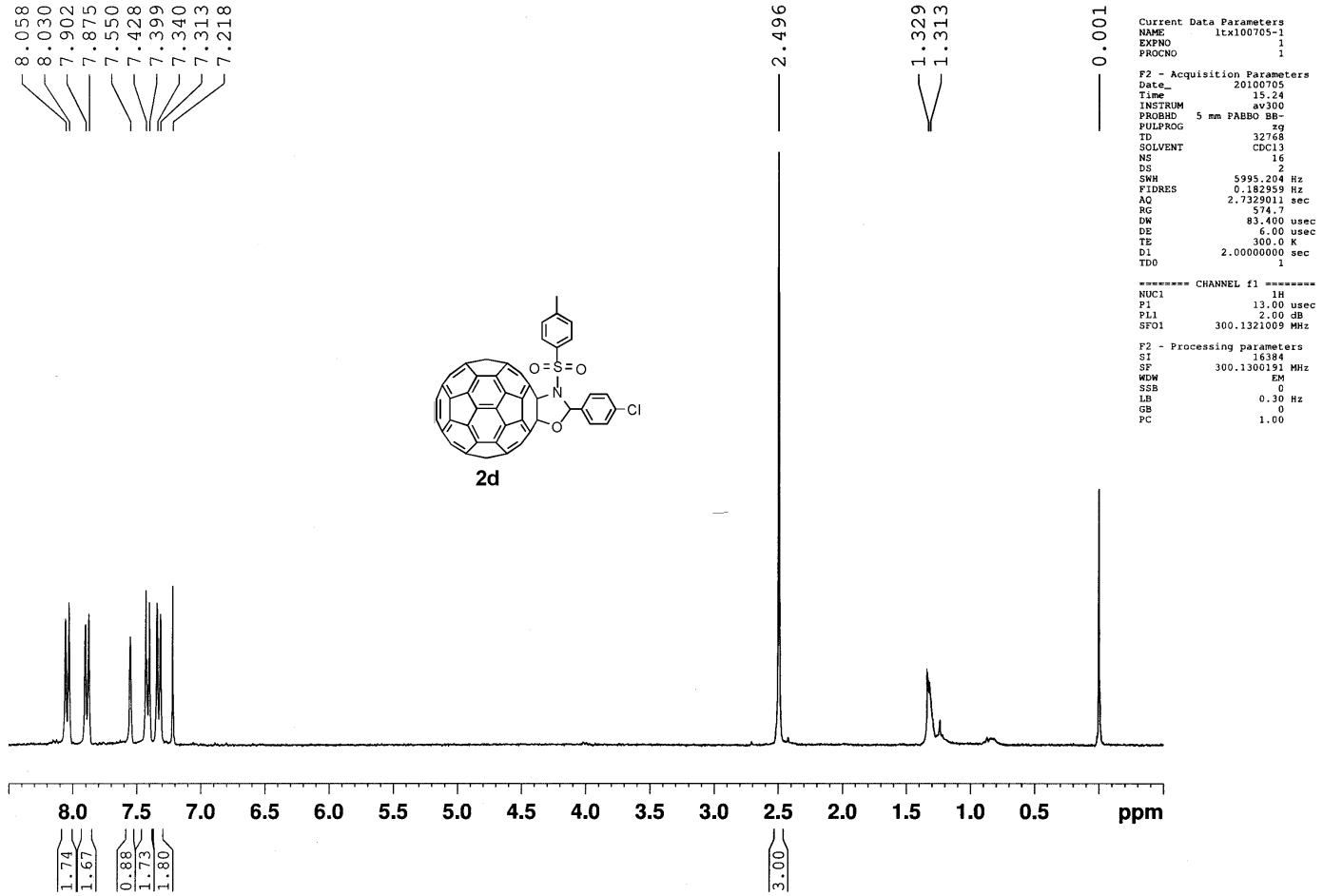
^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2c



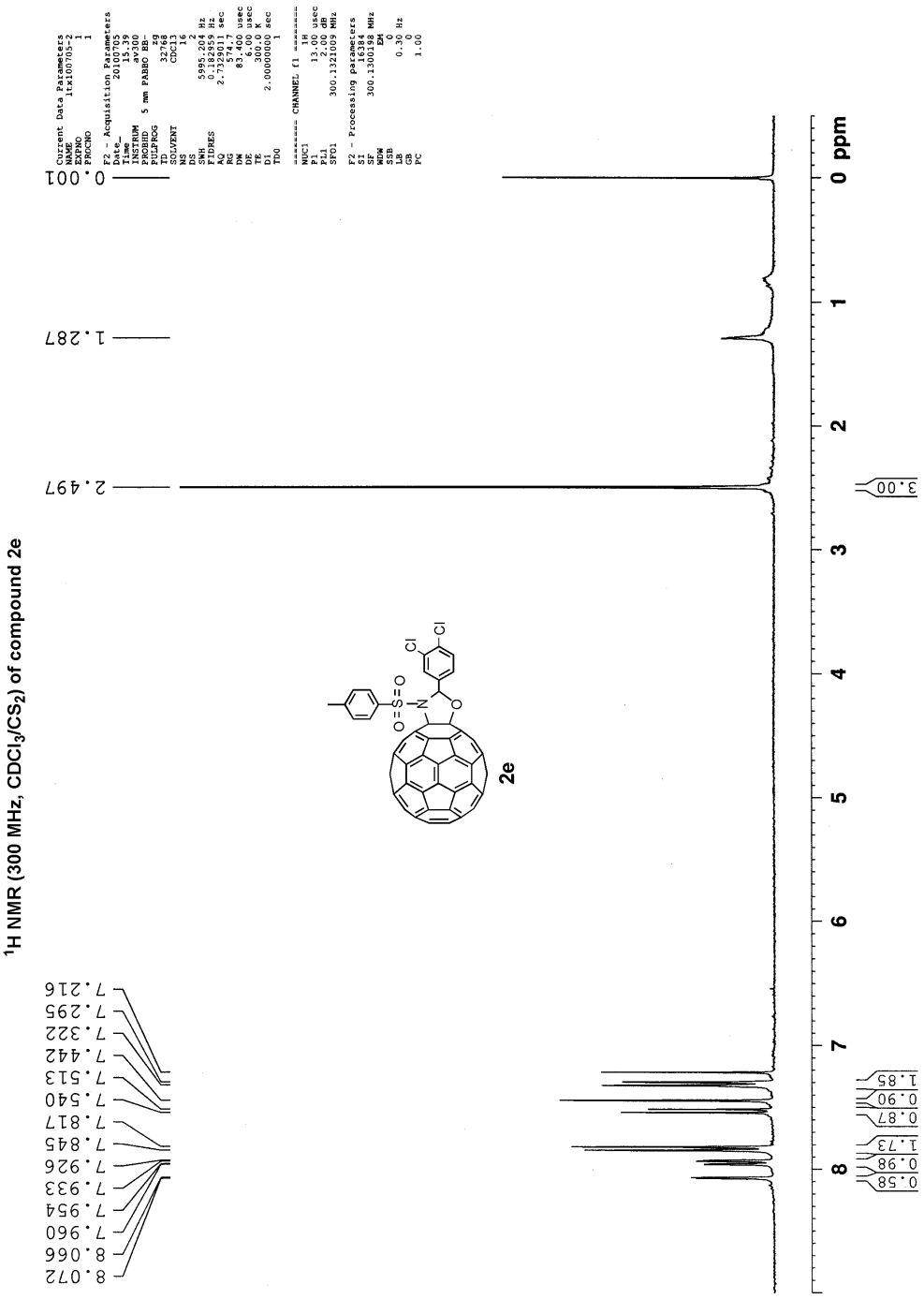
^{13}C NMR (75 MHz, $CDCl_3/CS_2$) of compound 2c



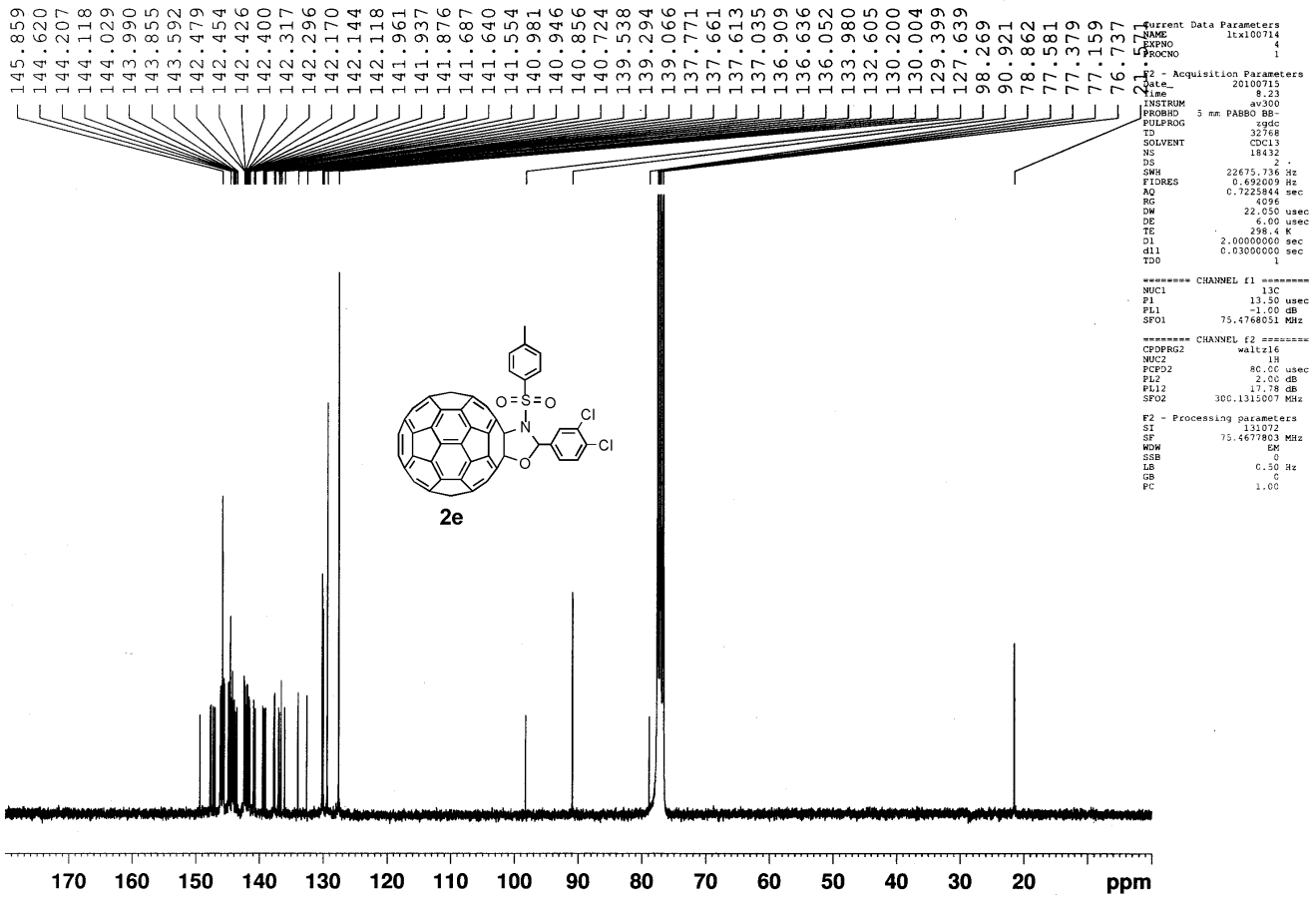
^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2d



^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2e

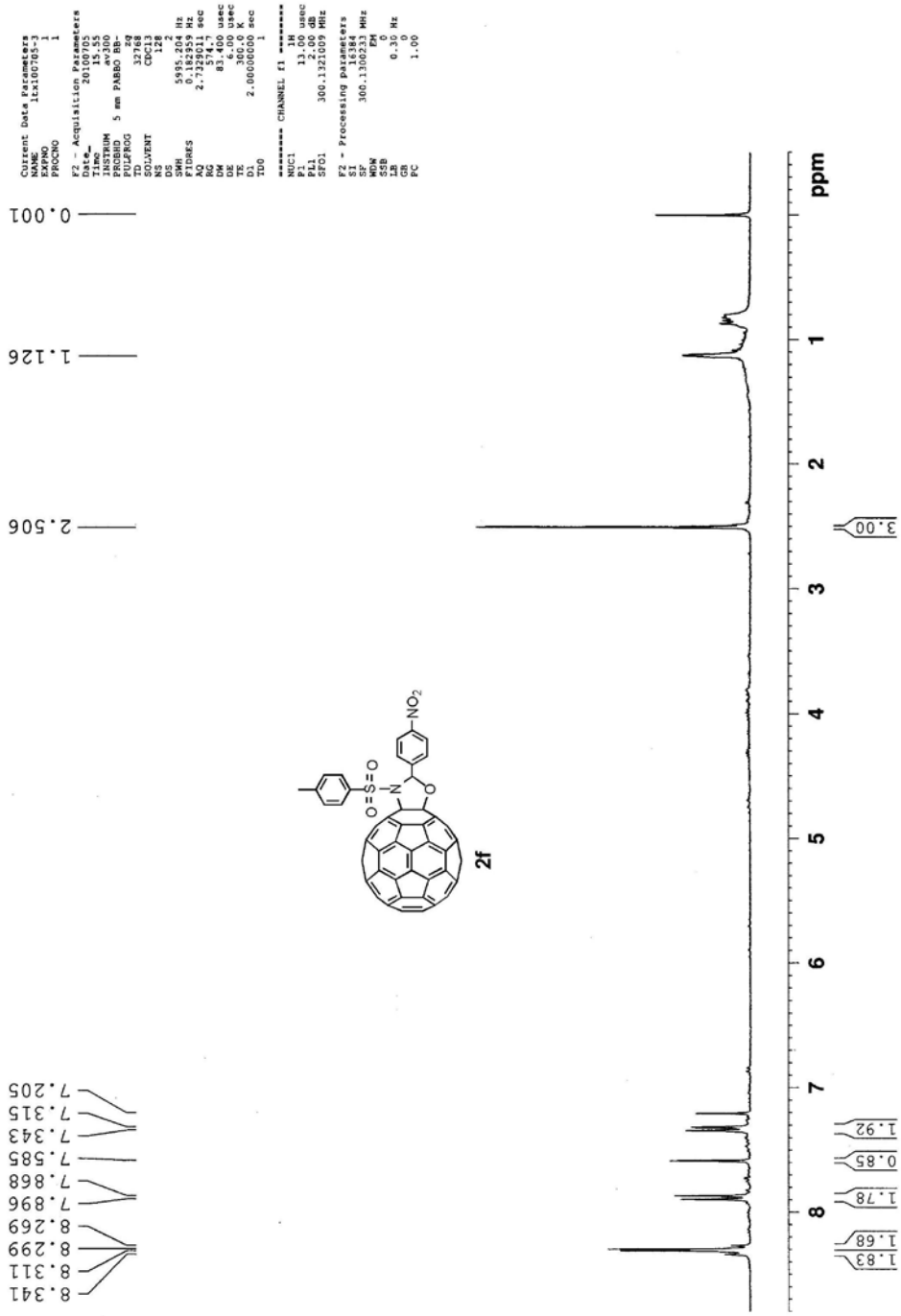


^{13}C NMR (75 MHz, $CDCl_3/CS_2$) of compound 2e

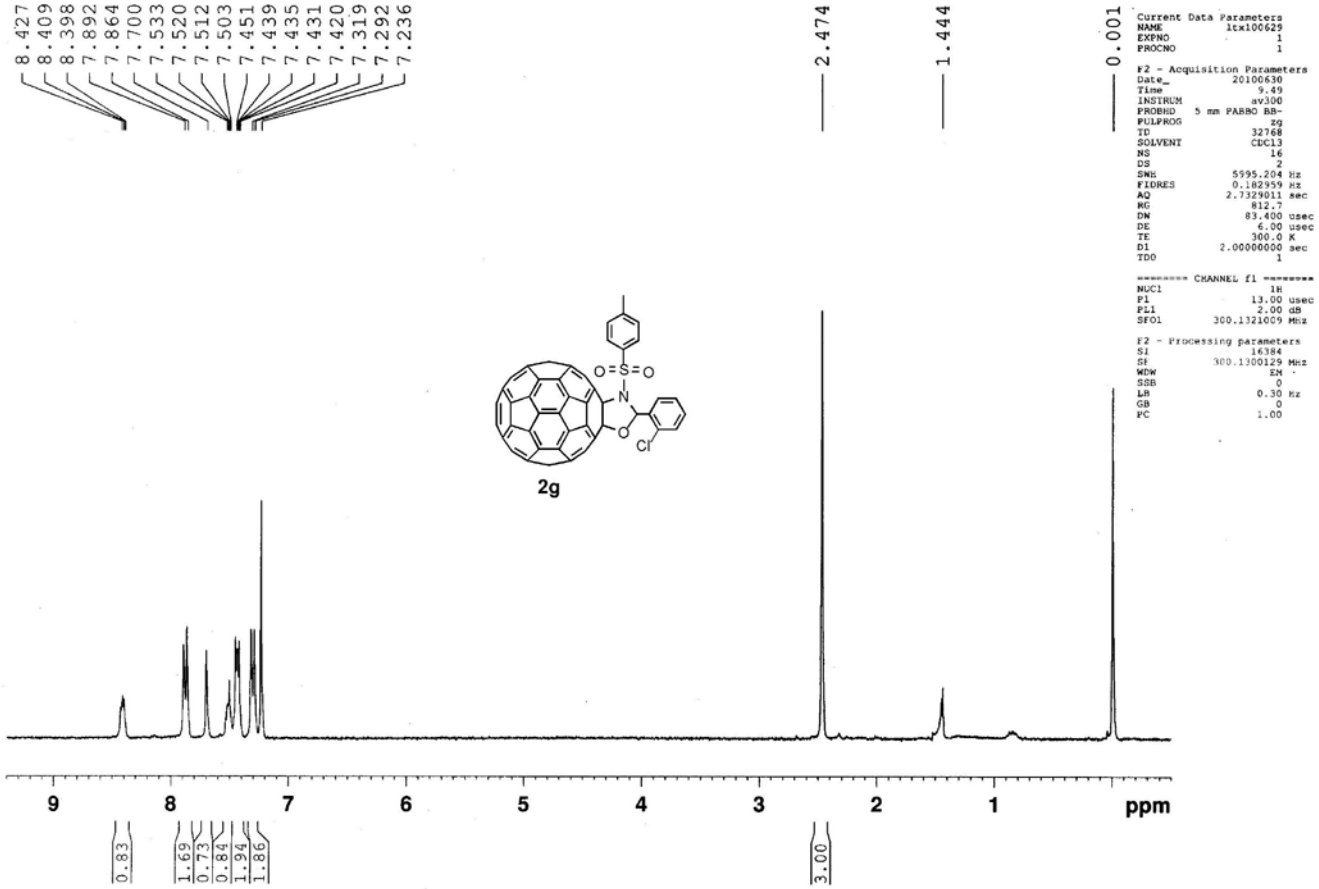



```
Current Data Parameters
NAME          ltx100714
EXPNO                 4
PROCNO                1

F2 - Acquisition Parameters
Date_          20100715
Time              8.23
INSTRUM          av300
PROBHD   5 mm PABBO BB-
PULPROG           zgdc
TD               32768
SOLVENT           CDCl3
NS                18432
DS                    2
SWH           22675.736 Hz
FIDRES        0.692009 Hz
AQ            0.7225844 sec
RG                 4096
DW               22.050 usec
DE                6.00 usec
TE                298.4 K
D1           2.00000000 sec
d11          0.03000000 sec
TD0                   1

======== CHANNEL f1 ========
NUC1                 13C
P1                13.50 usec
PL1               -1.00 dB
SFO1         75.4768051 MHz

======== CHANNEL f2 ========
CPDPRG2          waltz16
NUC2                  1H
PCPD2             80.00 usec
PL2                2.00 dB
PL12              17.78 dB
SFO2        300.1315007 MHz

F2 - Processing parameters
SI                 131072
SF           75.4677803 MHz
WDW                    EM
SSB                    0
LB                  0.50 Hz
GB                     0
PC                  1.00
```

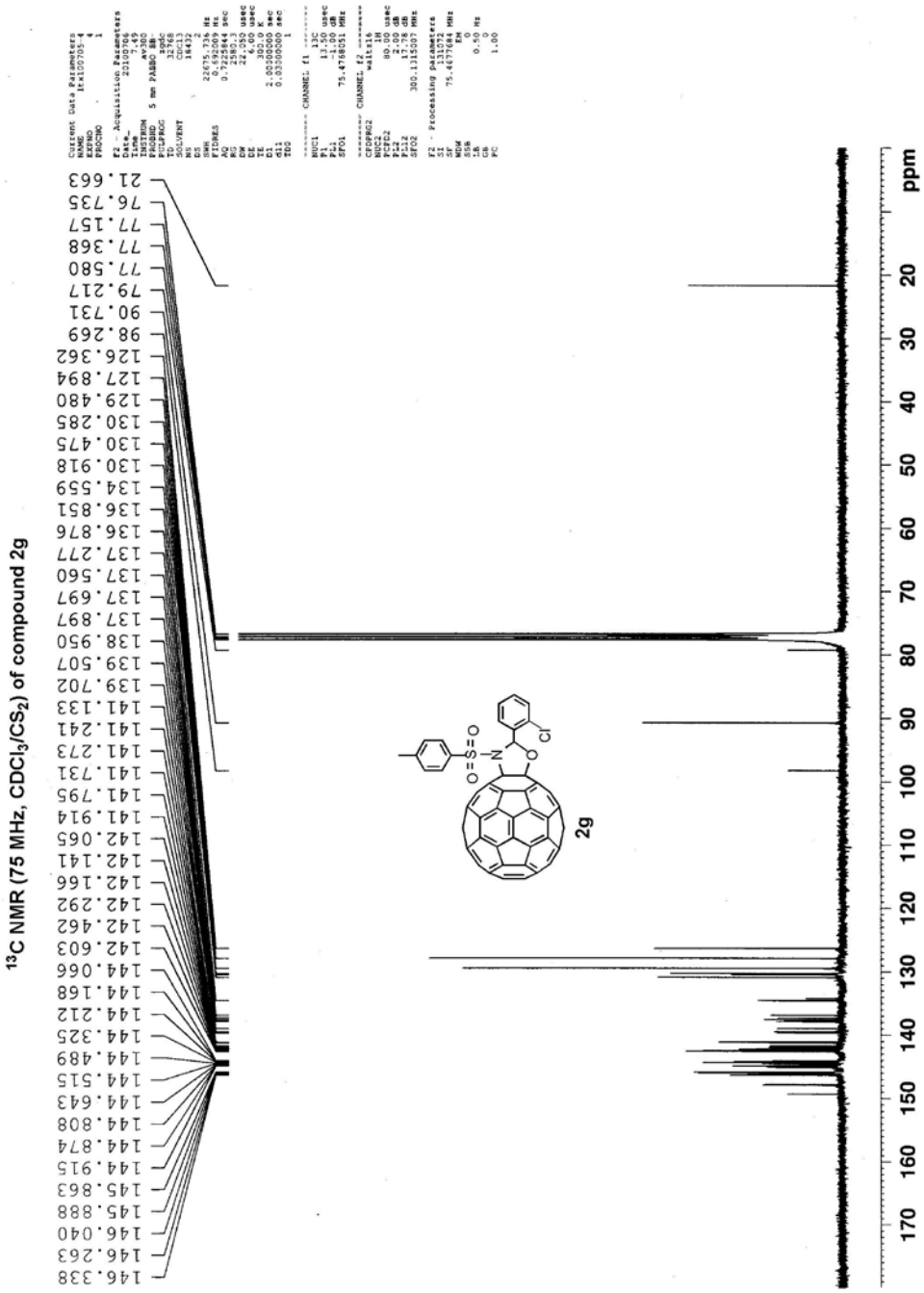
^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2f



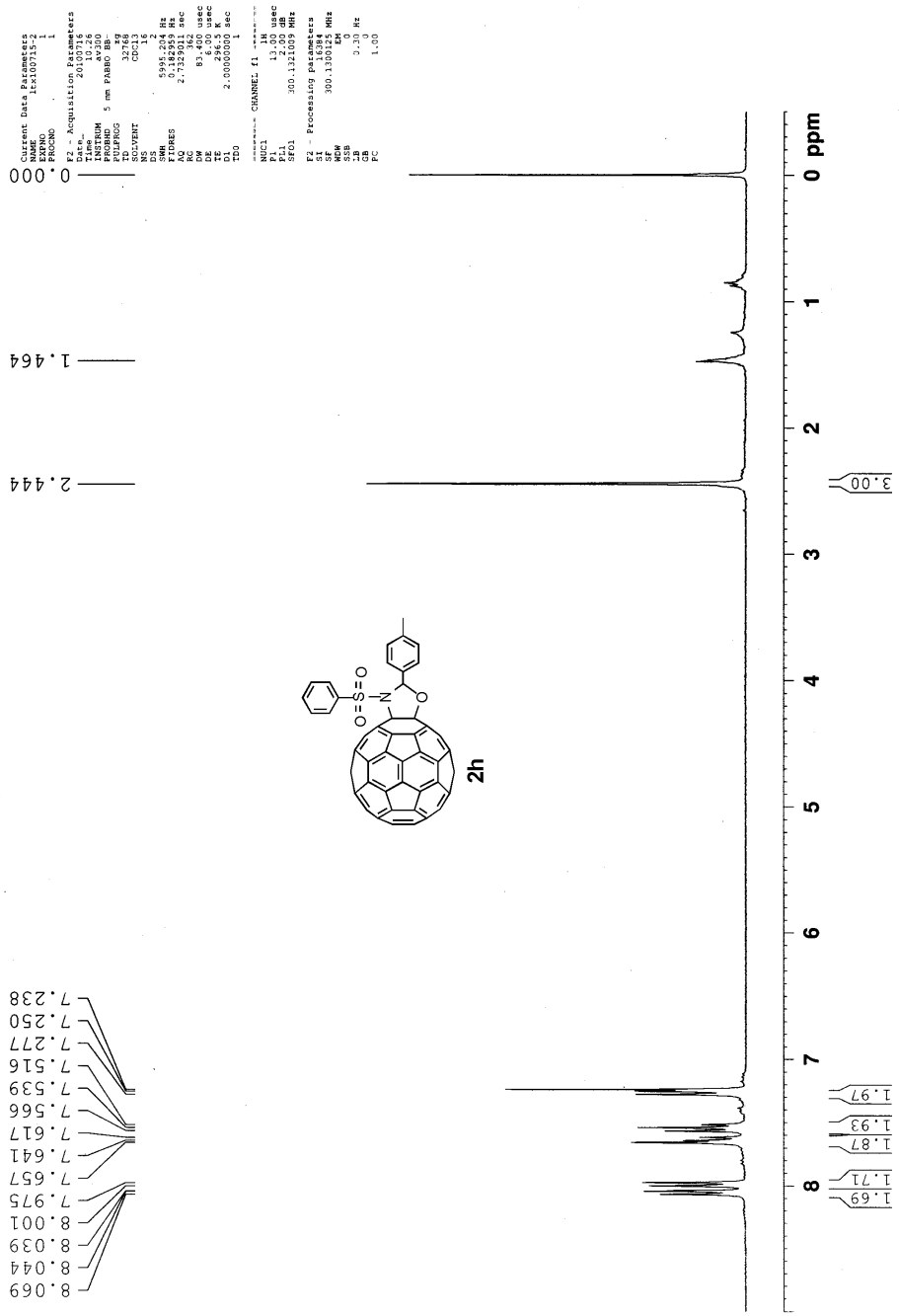
^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2g



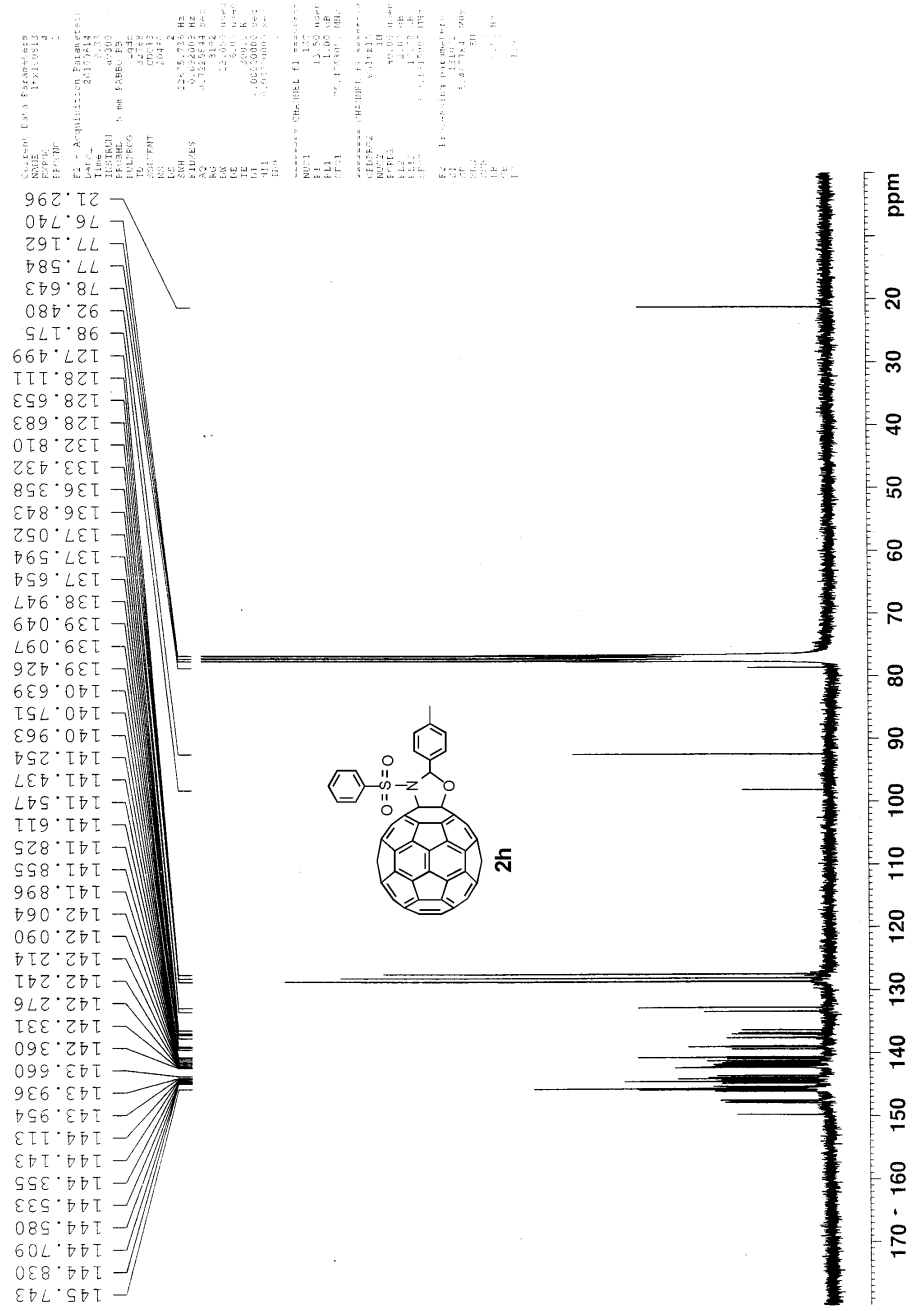
^{13}C NMR (75 MHz, $CDCl_3/CS_2$) of compound 2g



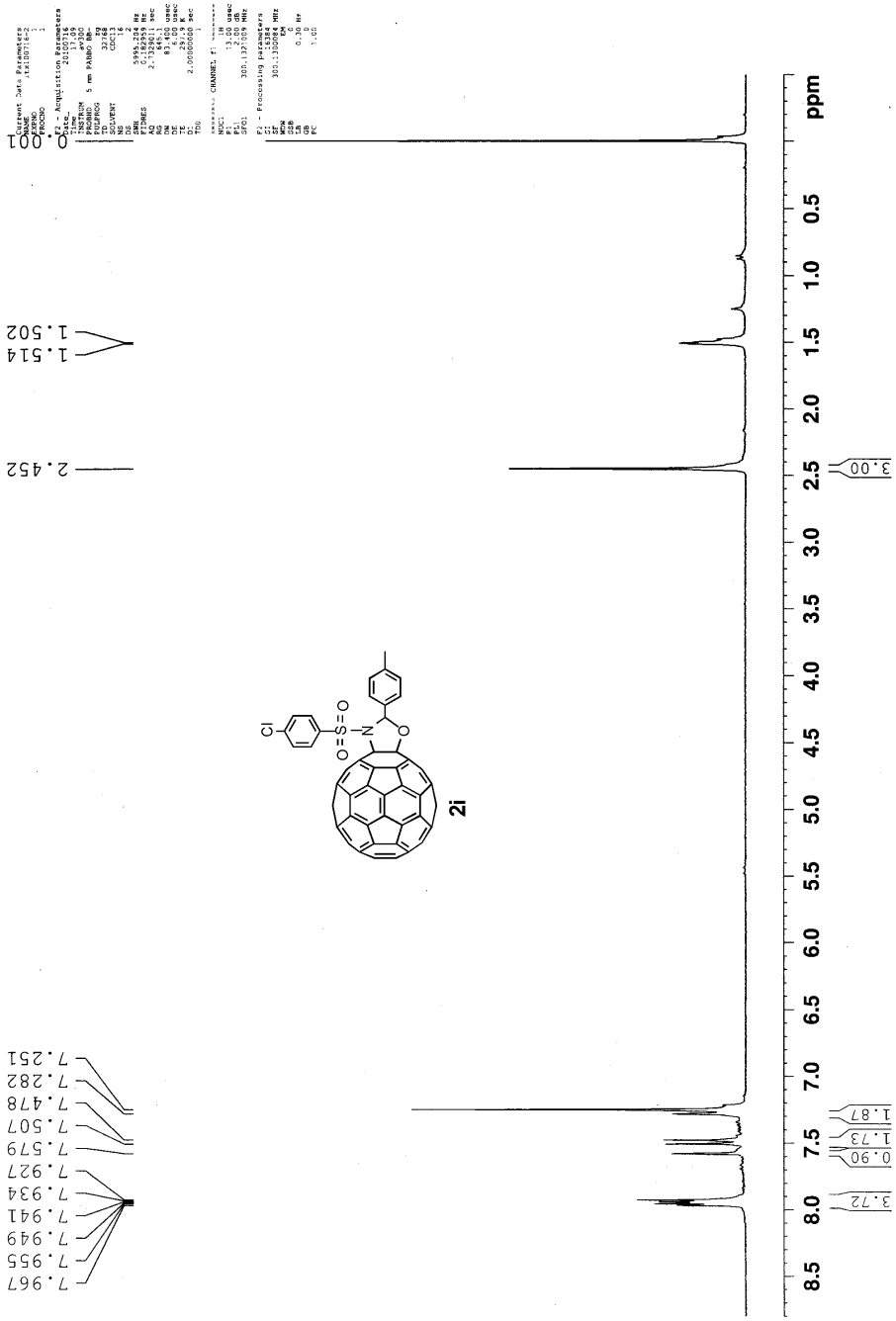
^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2h



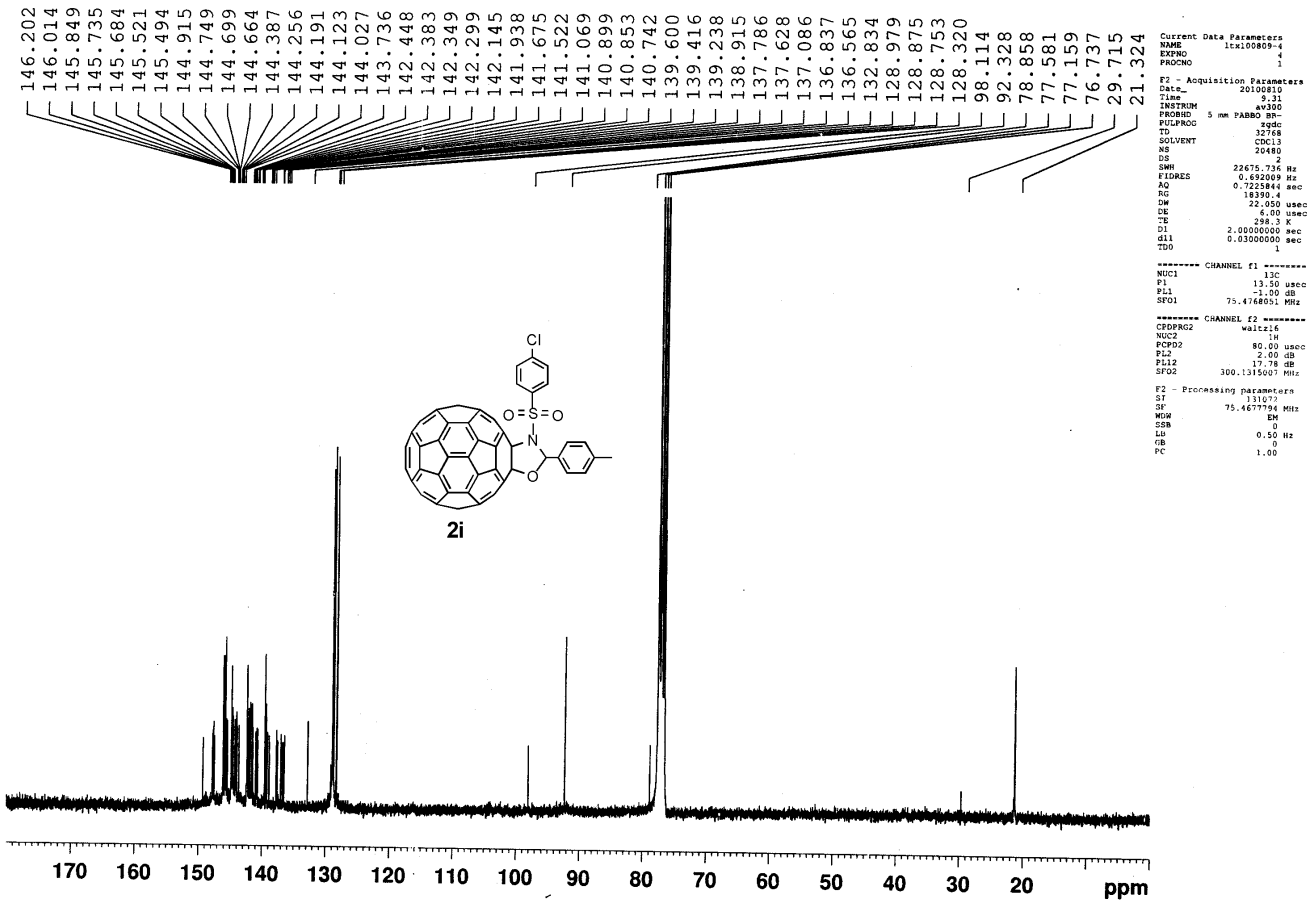
^{13}C NMR (75 MHz, $CDCl_3/CS_2$) of compound 2h



^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2i

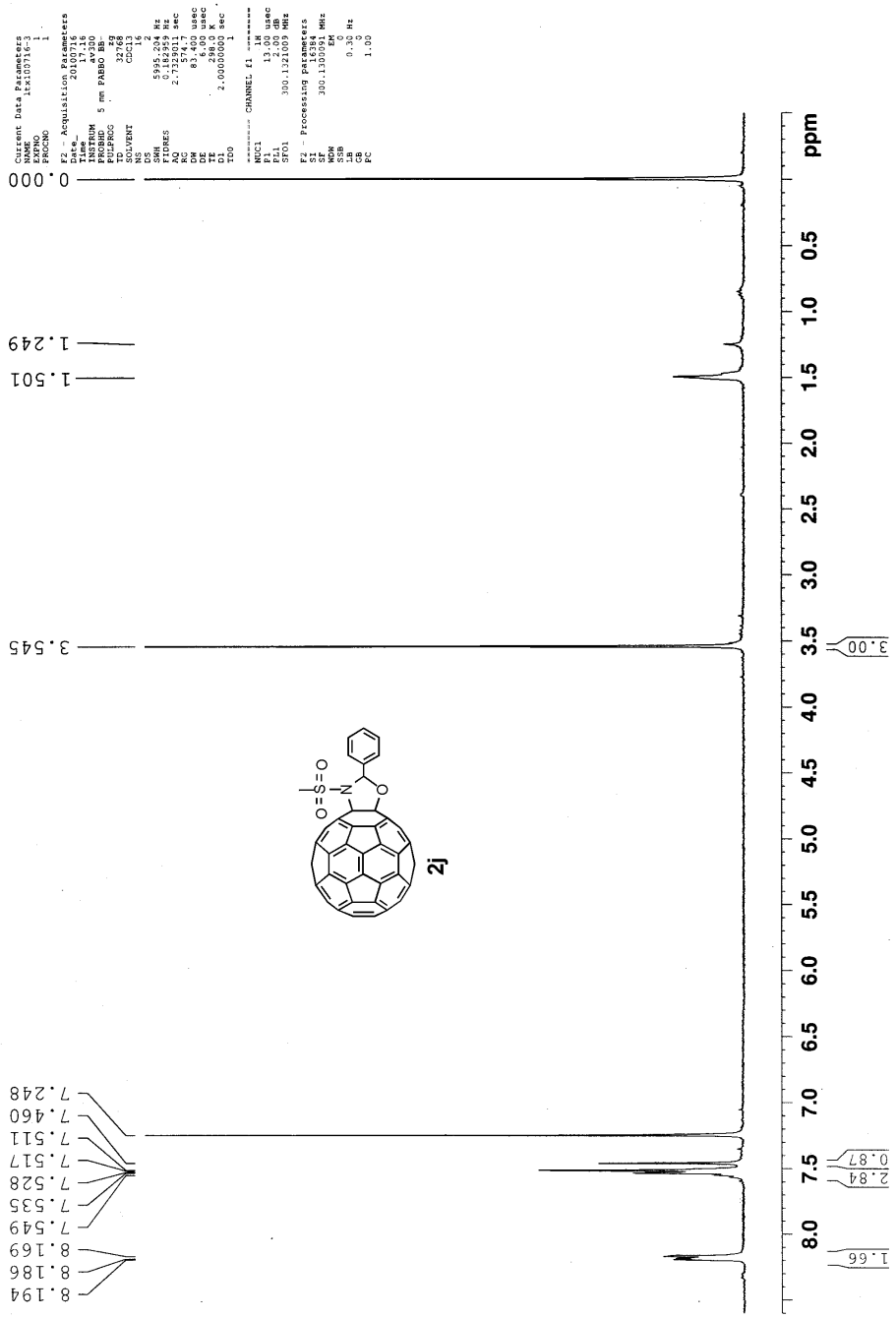


^{13}C NMR (75 MHz, $CDCl_3/CS_2$) of compound 2i

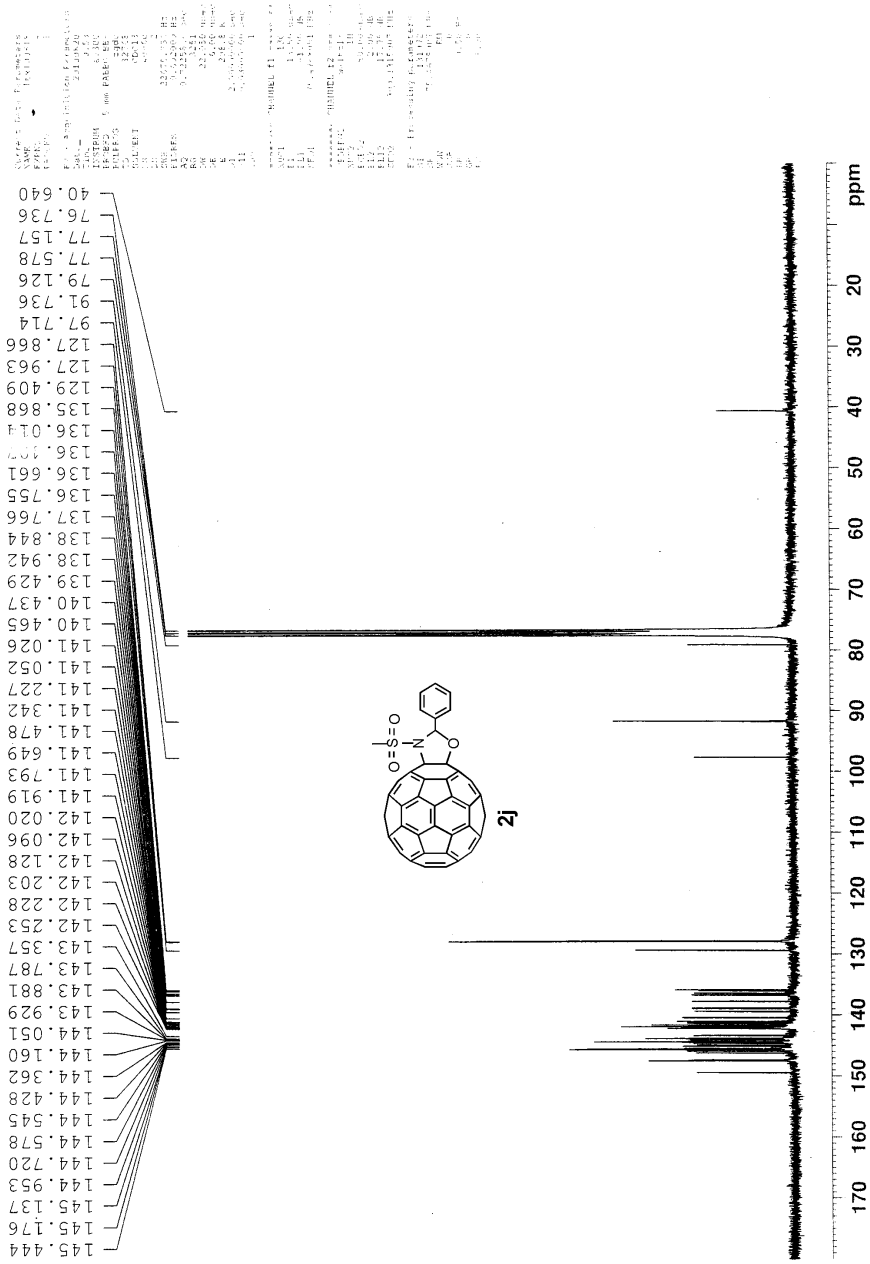



```
Current Data Parameters
NAME          1tx100809-4
EXPNO                   4
PROCNO                  1

F2 - Acquisition Parameters
Date_           20100810
Time               9.31
INSTRUM           av300
PROBHD   5 mm PABBO BR-
PULPROG            zgdc
TD                32768
SOLVENT           CDCl3
NS                20480
DS                    2
SWH           22675.736 Hz
FIDRES         0.692009 Hz
AQ            0.7225844 sec
RG              18390.4
DW               22.050 usec
DE                6.00 usec
TE               298.3 K
D1            2.00000000 sec
d11           0.03000000 sec
TD0                   1

======== CHANNEL f1 ========
NUC1                 13C
P1                13.50 usec
PL1               -1.00 dB
SFO1          75.4768051 MHz

======== CHANNEL f2 ========
CPDPRG2          waltz16
NUC2                  1H
PCPD2            80.00 usec
PL2               2.00 dB
PL12             17.78 dB
SFO2         300.1315007 MHz

F2 - Processing parameters
SI                 131072
SF            75.4677794 MHz
WDW                   EM
SSB                    0
LB                  0.50 Hz
GB                     0
PC                  1.00
```

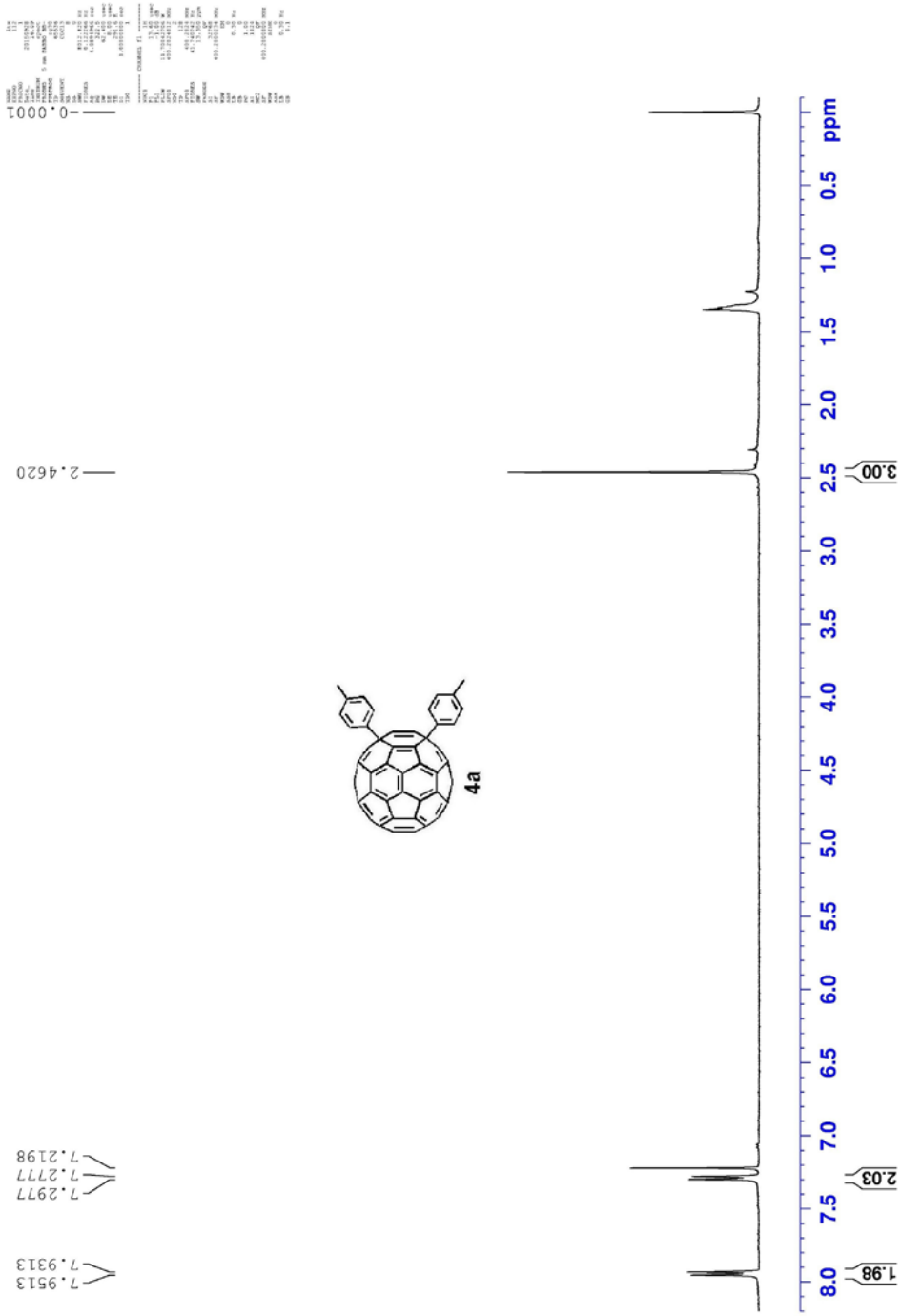
^{1}H NMR (300 MHz, $CDCl_3/CS_2$) of compound 2j



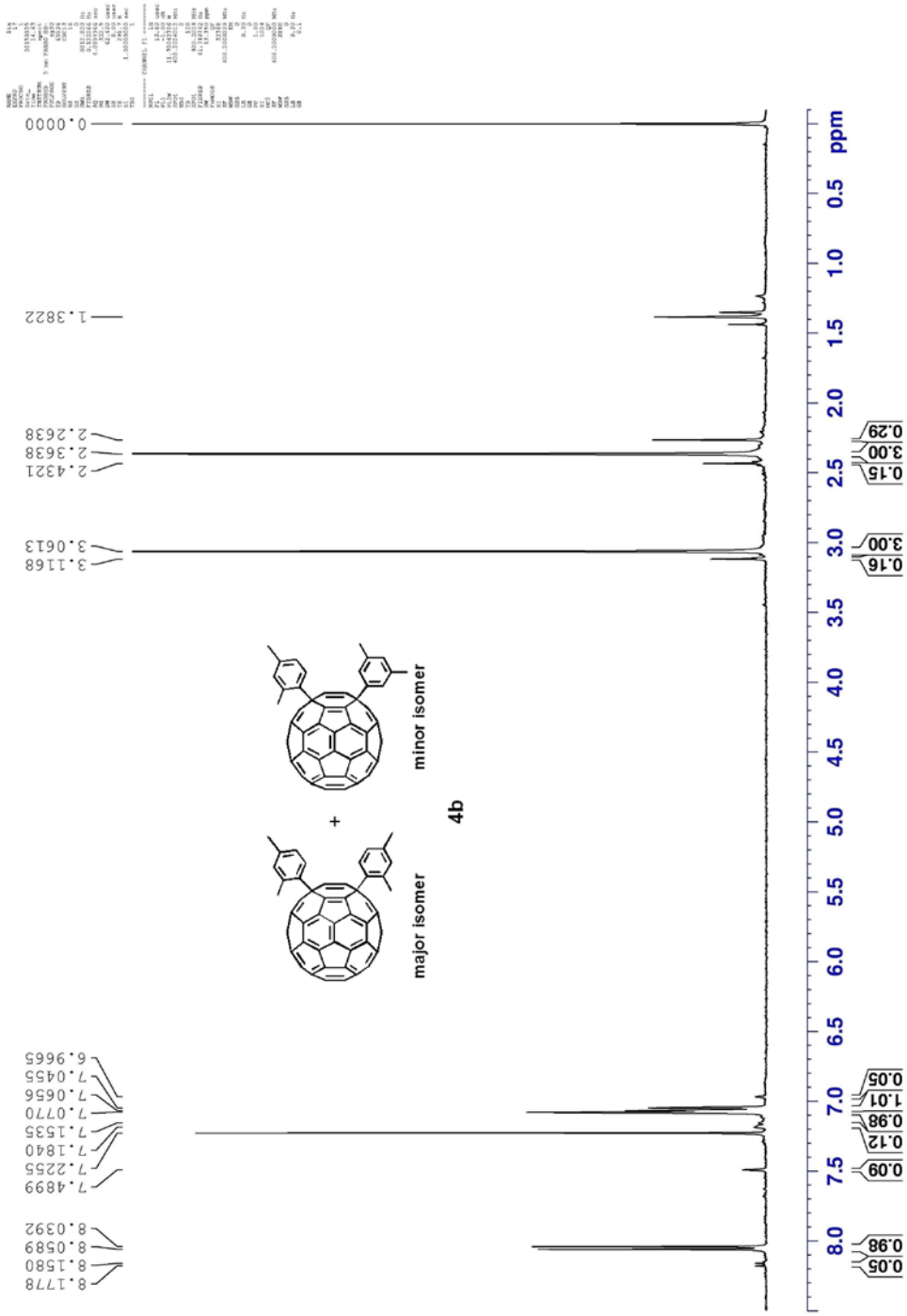
^{13}C NMR (75 MHz, $CDCl_3/CS_2$) of compound 2j



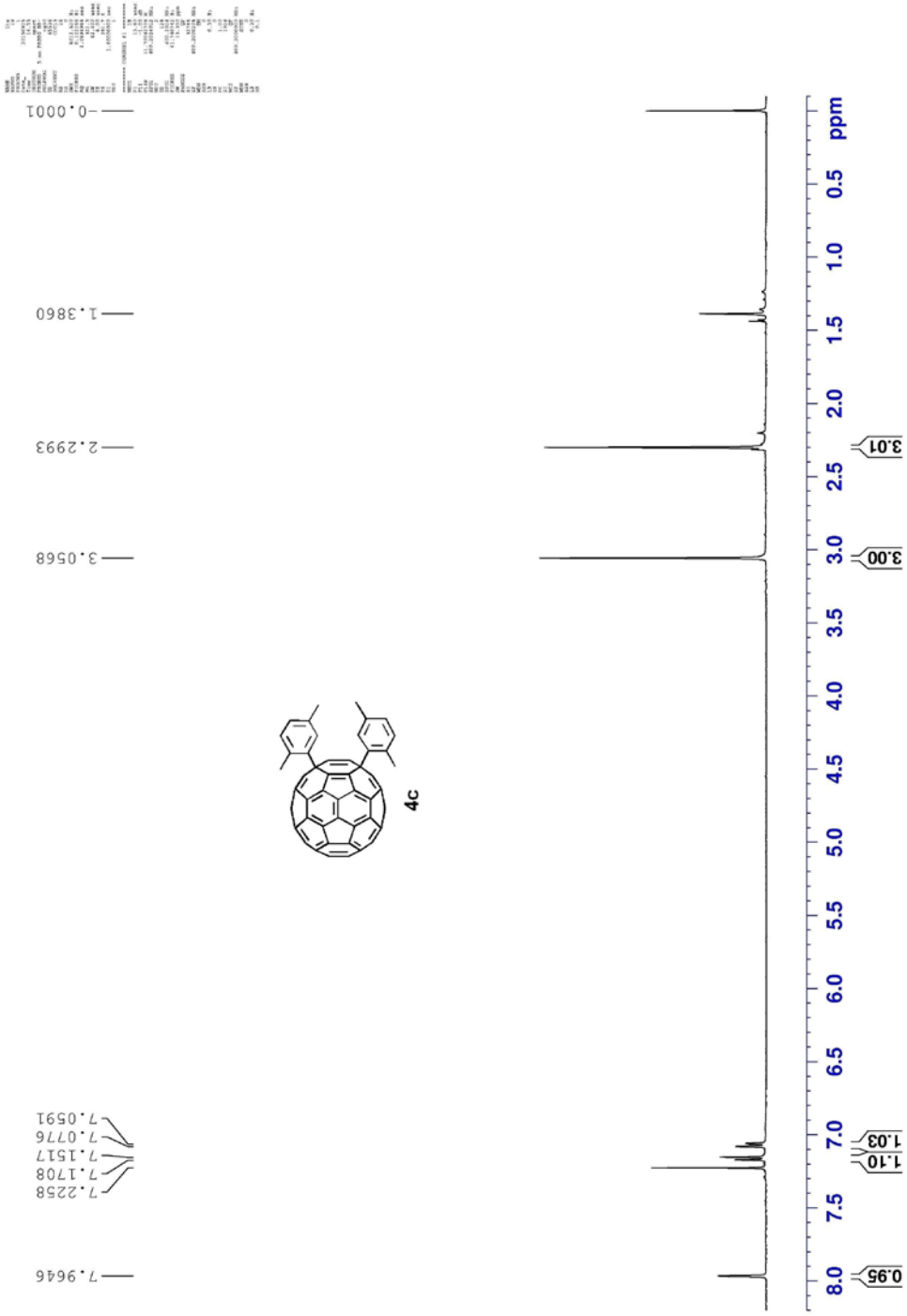
^{1}H NMR (400 MHz, $CDCl_3/CS_2$) of compound 4a



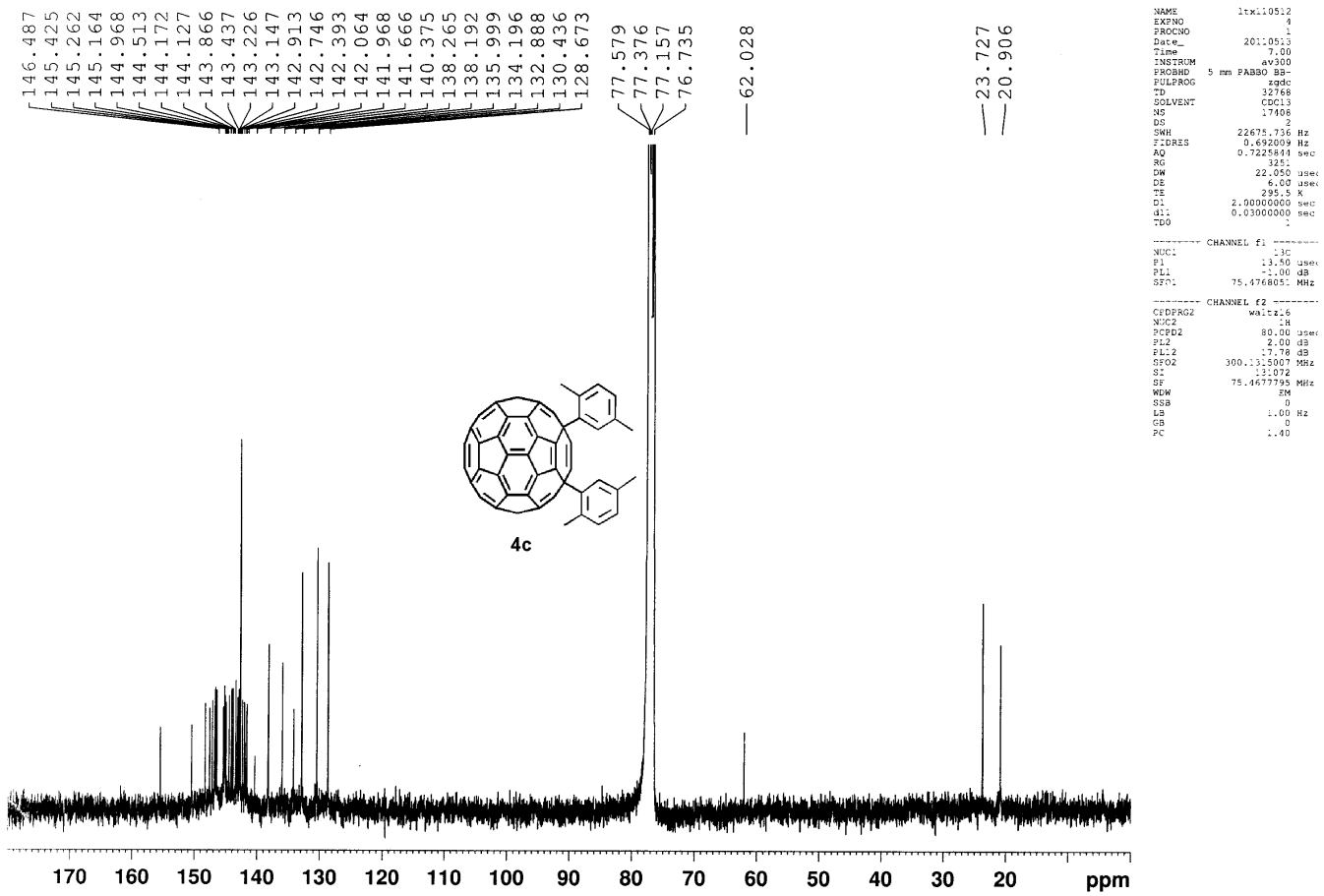
^{1}H NMR (400 MHz, $CDCl_3/CS_2$) of compound 4b



^{1}H NMR (400 MHz, $CDCl_3/CS_2$) of compound 4c

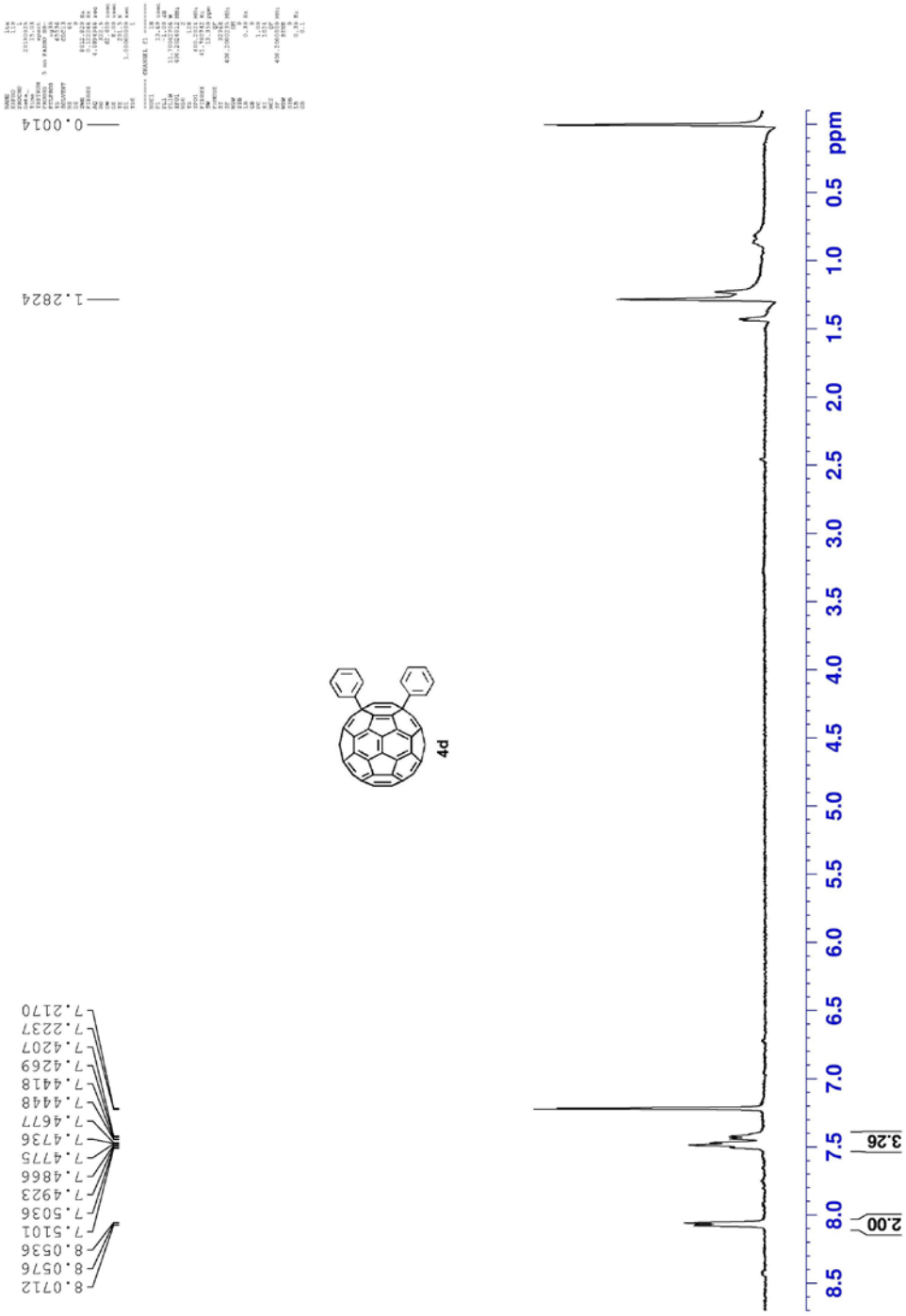


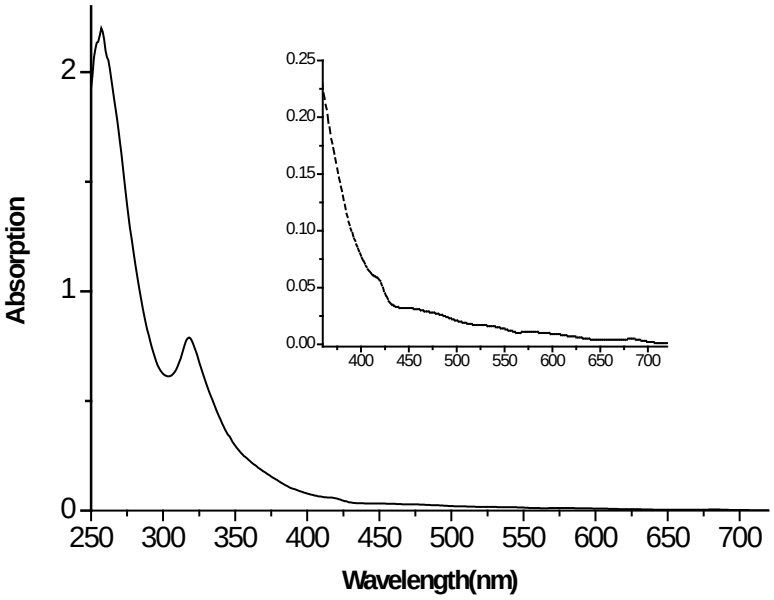
^{13}C NMR (75 MHz, $CDCl_3/CS_2$) of compound 4c



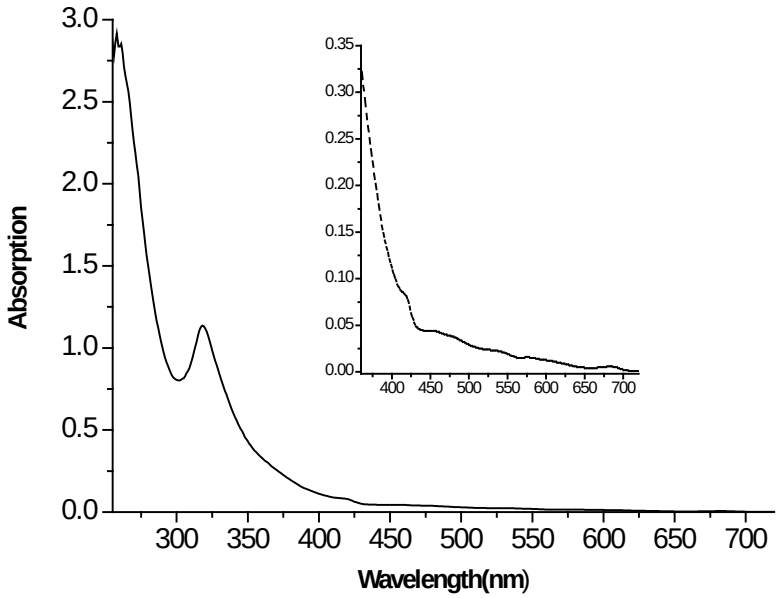

```
NAME          ltx110512
EXPNO                 4
PROCNO                1
Date_          20110513
Time               7.00
INSTRUM           av300
PROBHD   5 mm PABBO BB-
PULPROG            zgdc
TD                32768
SOLVENT           CDCl3
NS                17408
DS                    2
SWH           22675.736 Hz
FIDRES        0.692009 Hz
AQ            0.7225844 sec
RG                 3251
DW               22.050 usec
DE                6.00 usec
TE               295.5 K
D1           2.00000000 sec
d11          0.03000000 sec
TD0                   1

======== CHANNEL f1 ========
NUC1                13C
P1                13.50 usec
PL1               -1.00 dB
SFO1          75.4768051 MHz

======== CHANNEL f2 ========
CPDPRG2          waltz16
NUC2                  1H
PCPD2             80.00 usec
PLW2               2.00 dB
PLW12             17.78 dB
SFO2         300.1315007 MHz
SI                 131072
SF           75.4677795 MHz
WDW                   EM
SSB                    0
LB                  1.00 Hz
GB                     0
PC                  1.40
```

^{1}H NMR (400 MHz, $CDCl_3/CS_2$) of compound 4d

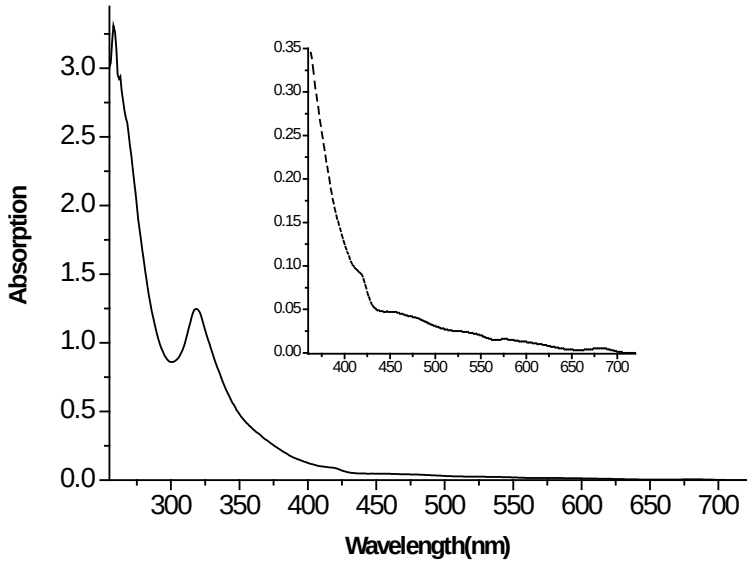




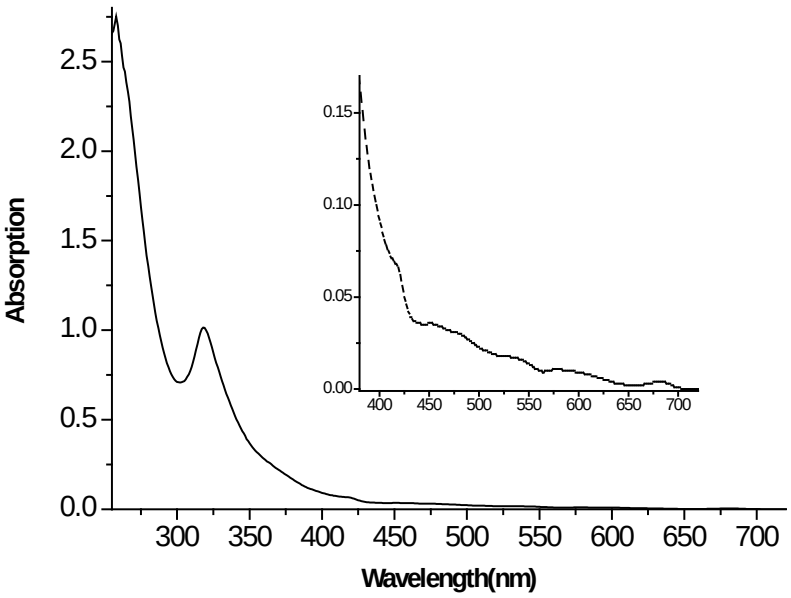
UV–vis spectrum of compound **2a** in $CHCl_3$



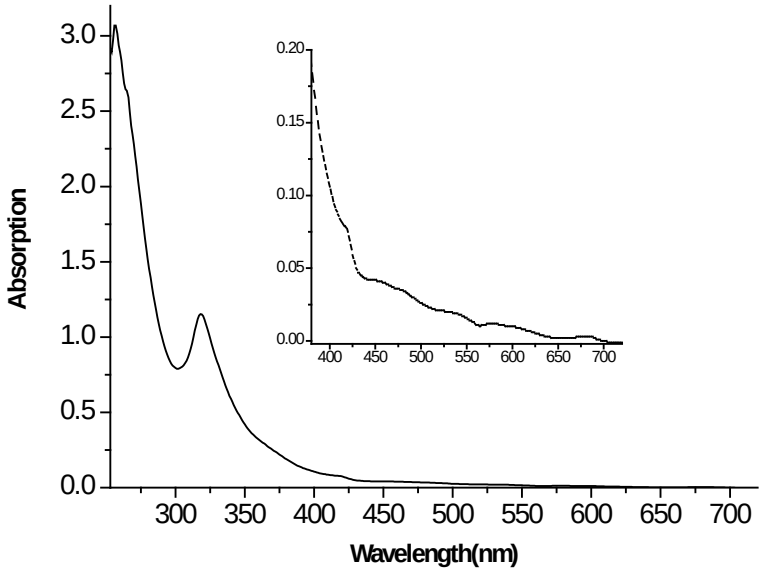
UV–vis spectrum of compound **2b** in $CHCl_3$



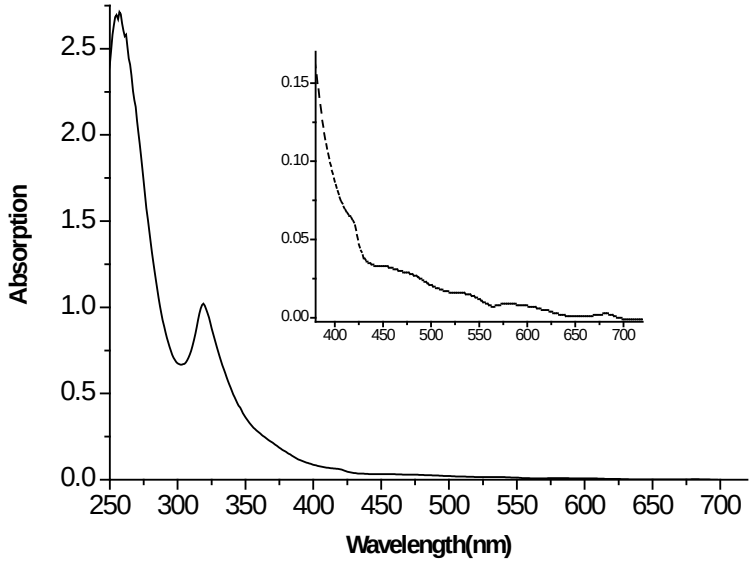
UV–vis spectrum of compound **2c** in $CHCl_3$



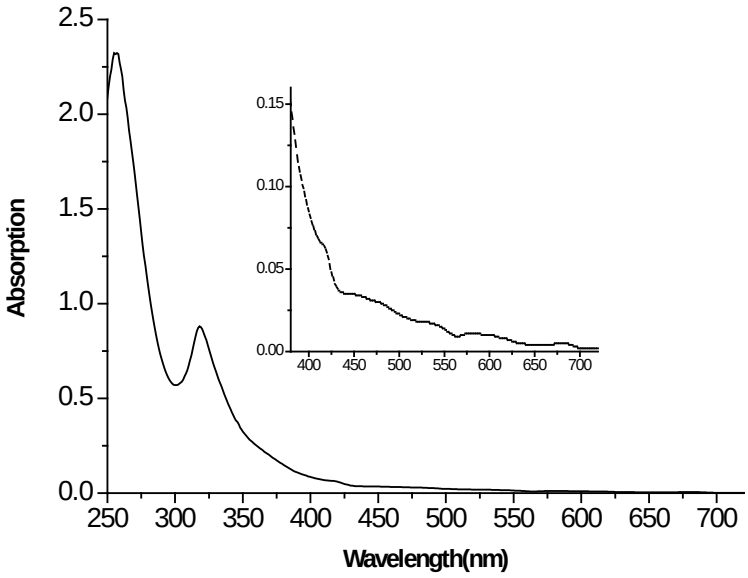
UV–vis spectrum of compound **2d** in $CHCl_3$



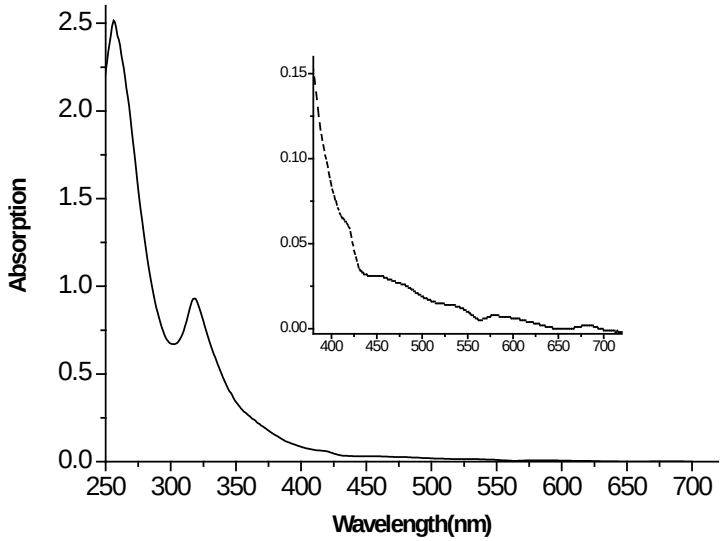
UV–vis spectrum of compound **2e** in $CHCl_3$



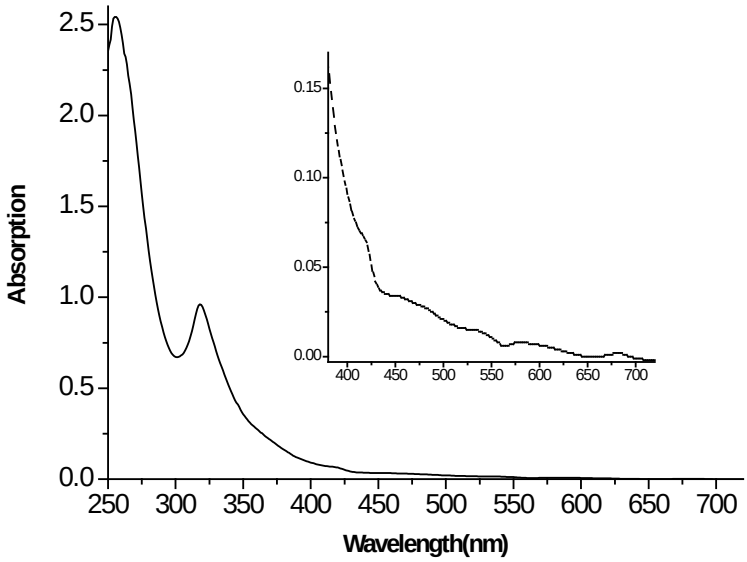
UV–vis spectrum of compound **2f** in $CHCl_3$



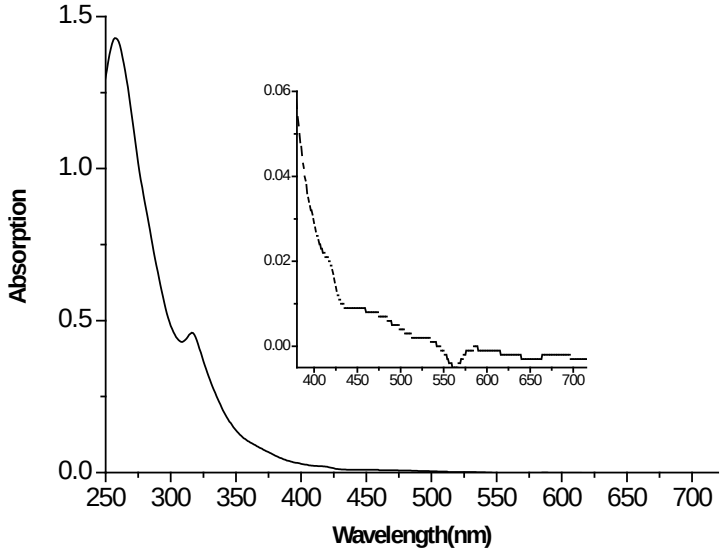
UV–vis spectrum of compound **2g** in $CHCl_3$



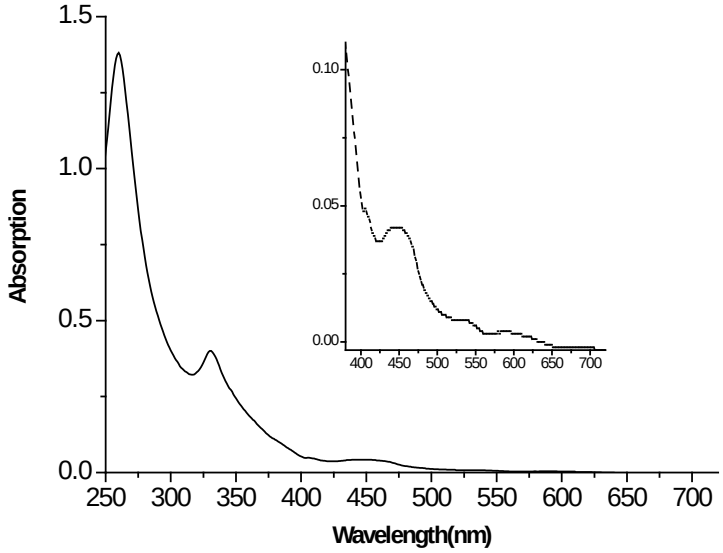
UV–vis spectrum of compound **2h** in $CHCl_3$



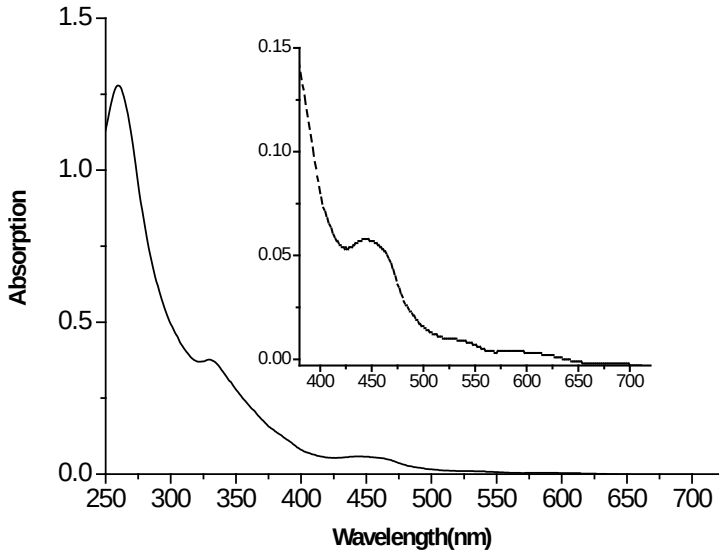
UV–vis spectrum of compound **2i** in $CHCl_3$



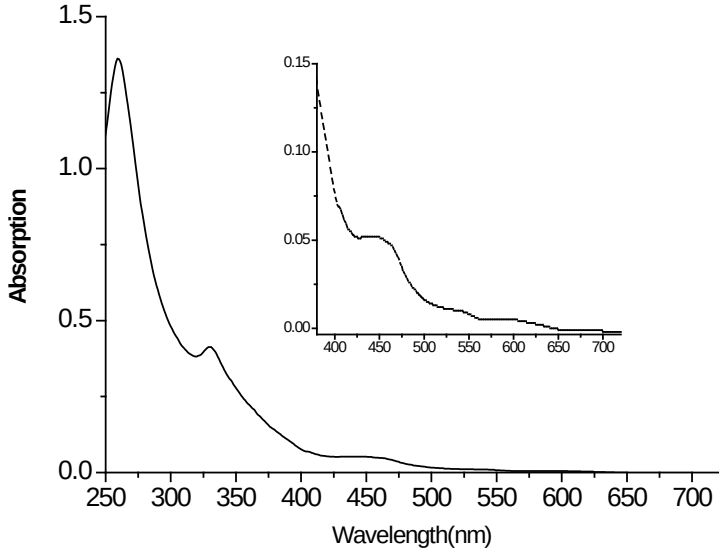
UV–vis spectrum of compound **2j** in $CHCl_3$



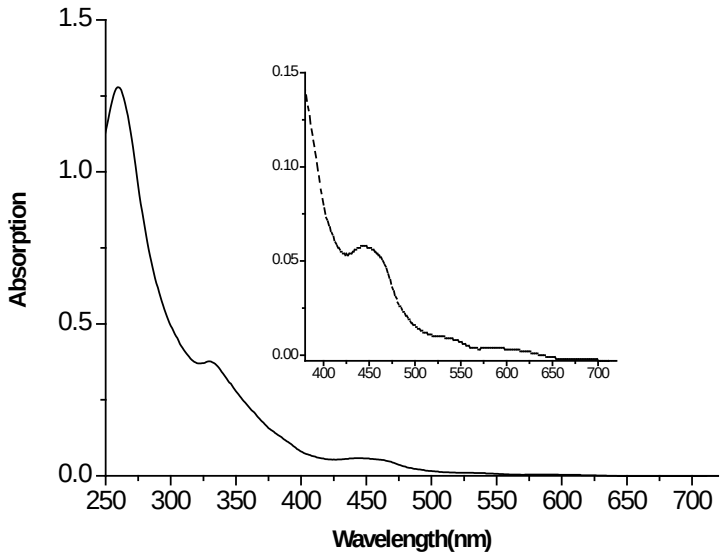
UV–vis spectrum of compound **4a** in $CHCl_3$



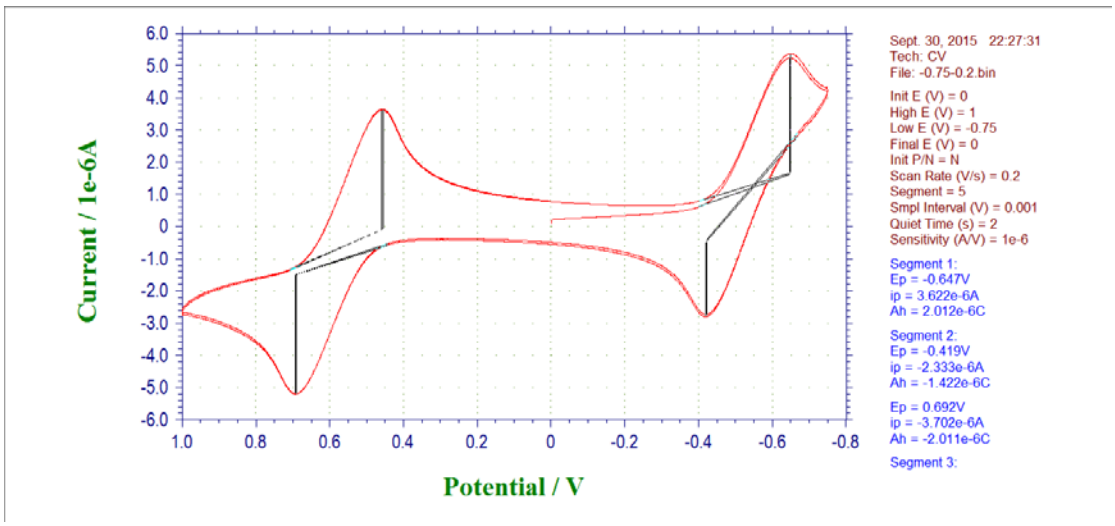
UV–vis spectrum of compound **4b** in $CHCl_3$



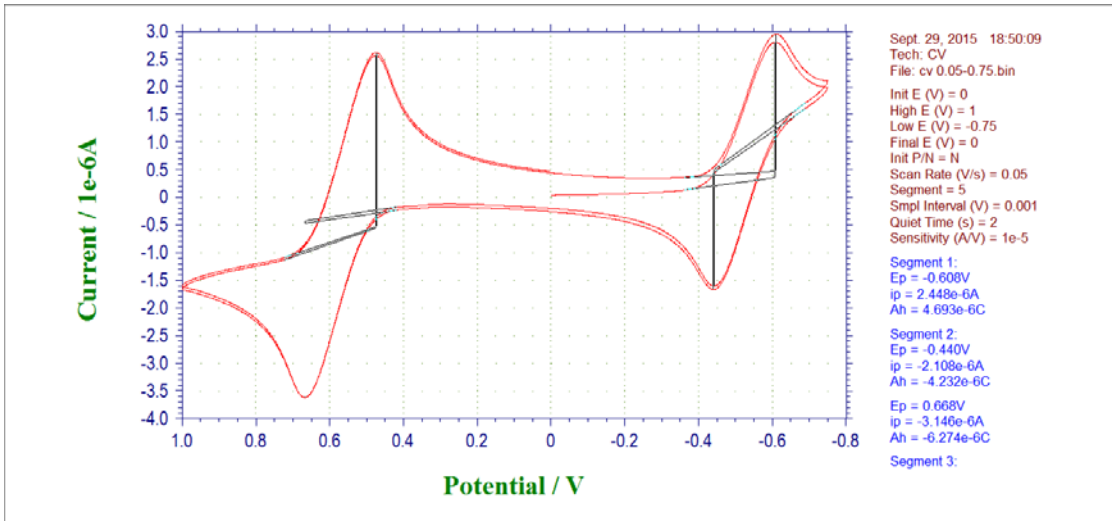
UV–vis spectrum of compound **4c** in $CHCl_3$



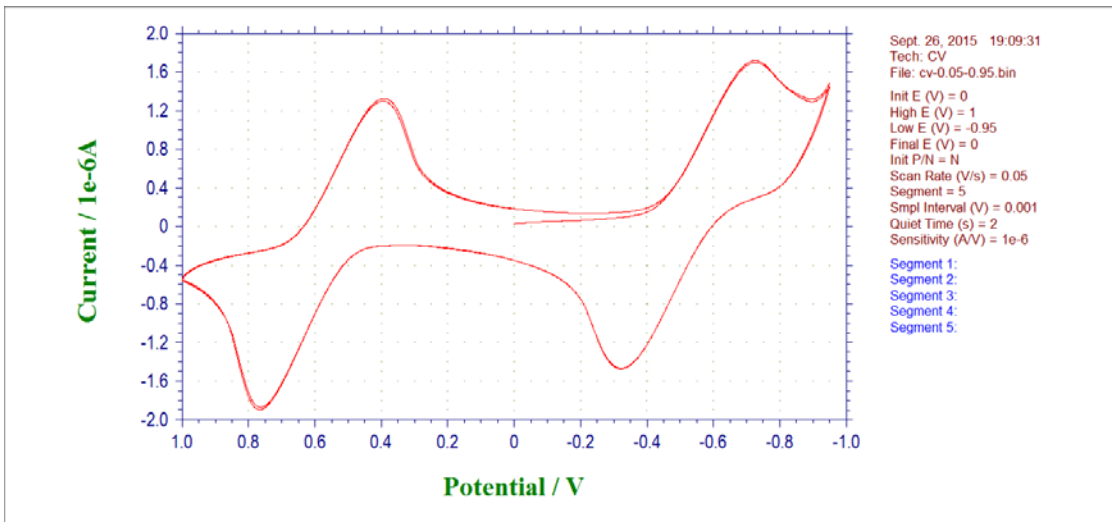
UV–vis spectrum of compound **4d** in $CHCl_3$



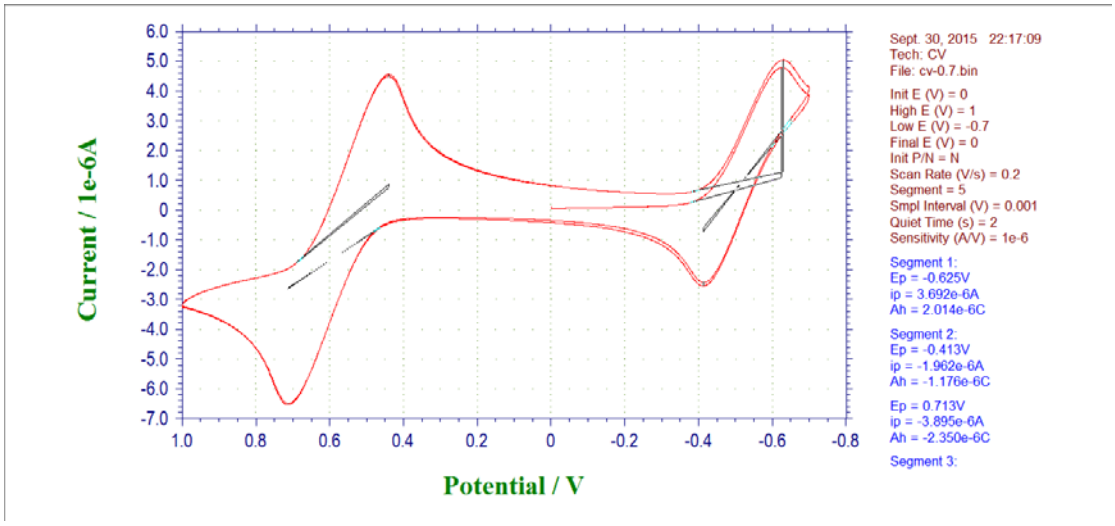
Cyclic voltammogram of compound **2a** (scanning rate: 200 mV s^{-1}, segment=5)



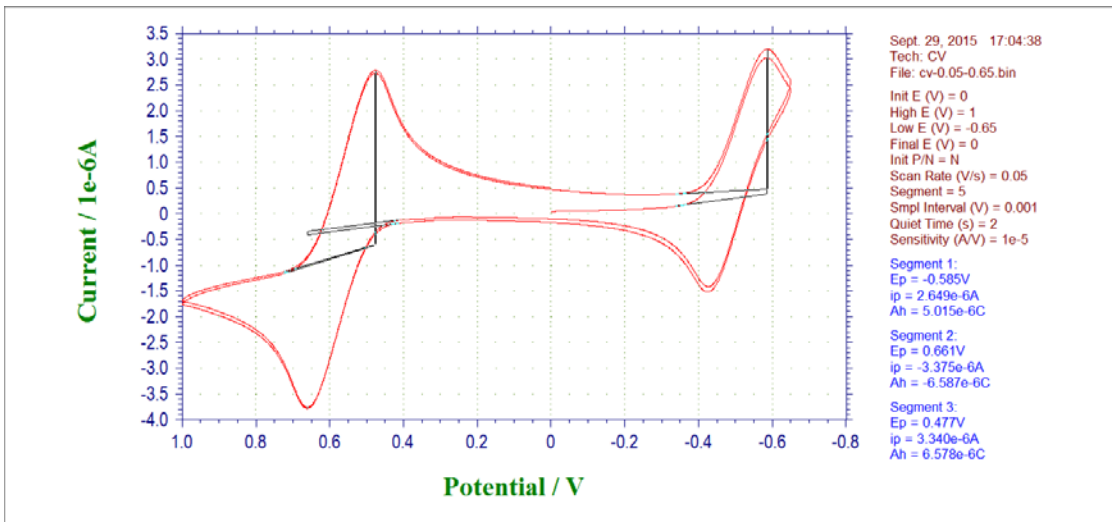
Cyclic voltammogram of compound **2b** (scanning rate: 50 mV s^{-1}, segment=5)



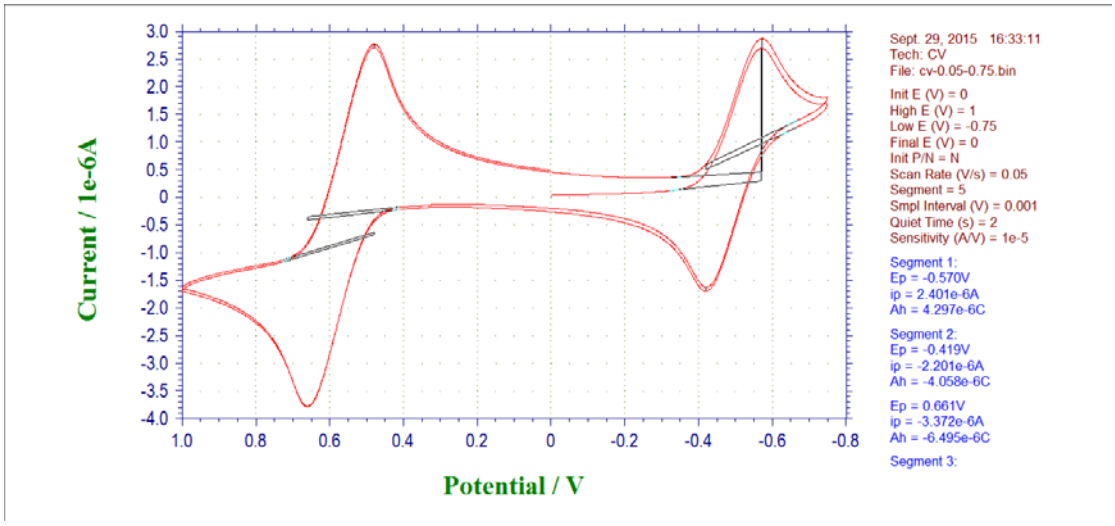
Cyclic voltammogram of compound **2c** (scanning rate: 50 mV s^{-1}, segment=5)



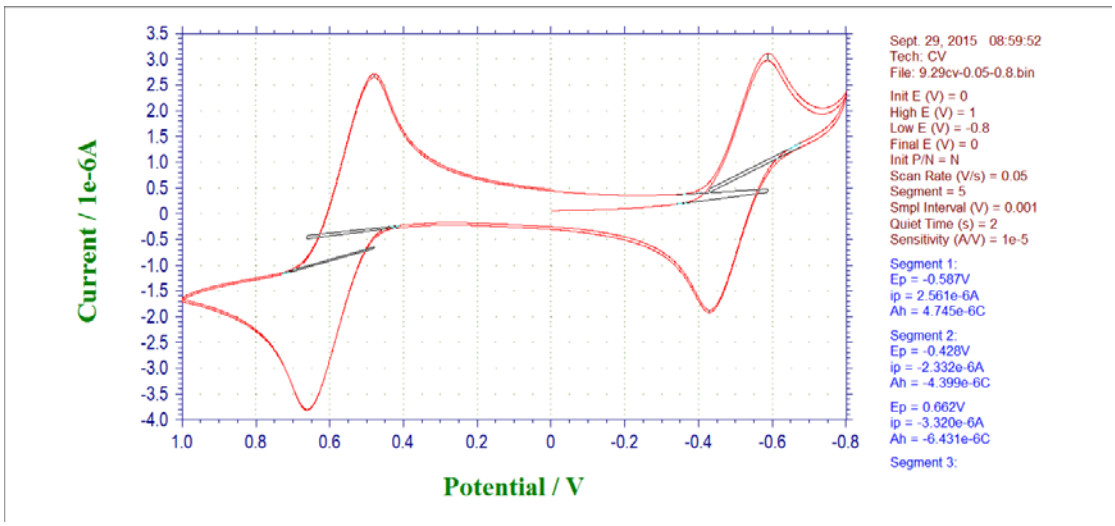
Cyclic voltammogram of compound **2d** (scanning rate: 200 mV s^{-1}, segment=5)



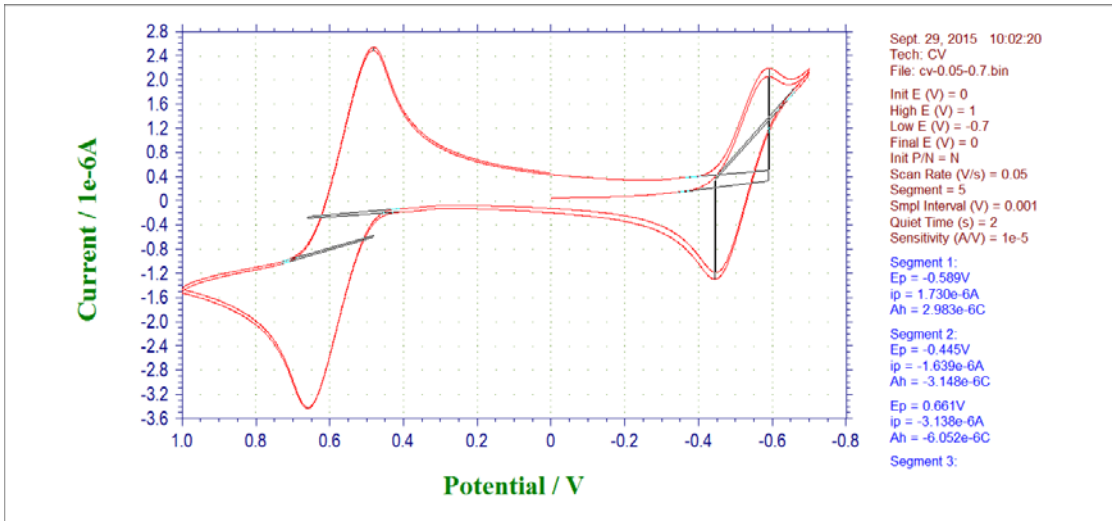
Cyclic voltammogram of compound **2e** (scanning rate: 50 mV s^{-1}, segment=5)



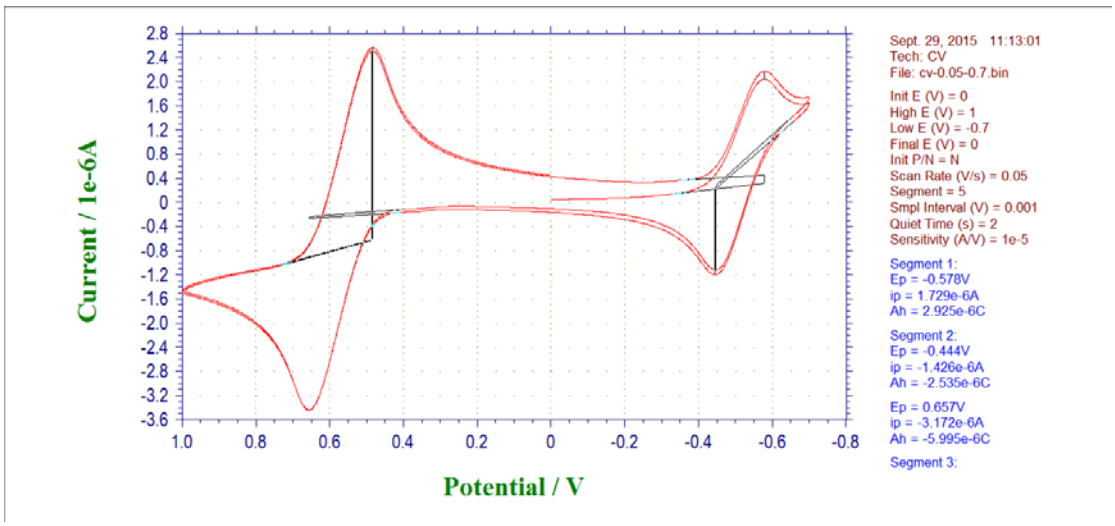
Cyclic voltammogram of compound **2f** (scanning rate: 50 mV s^{-1}, segment=5)



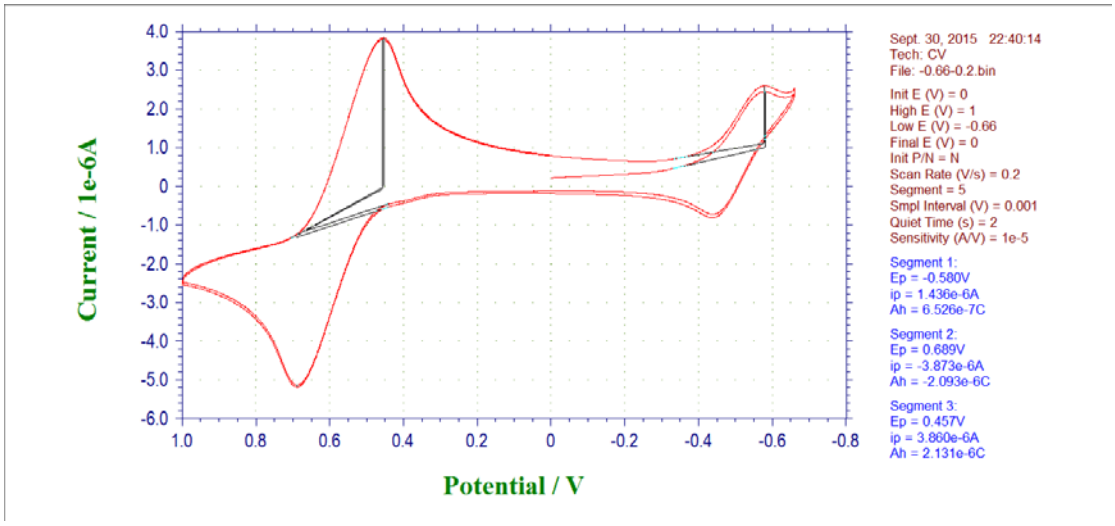
Cyclic voltammogram of compound **2g** (scanning rate: 50 mV s^{-1}, segment=5)



Cyclic voltammogram of compound **2h** (scanning rate: 50 mV s^{-1}, segment=5)



Cyclic voltammogram of compound **2i** (scanning rate: 50 mV s^{-1}, segment=5)



Cyclic voltammogram of compound **2j** (scanning rate: 200 mV s^{-1}, segment=5)