

Electronic Supplementary information

Thermal Reactions of [60]Fullerene with Amino Acids and Amino Acid Esters: Mechanistic Insight

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Guan-Wu Wang,^{*a,b} Ru-Fang Peng,^b Bo Jin,^b and Shi-Jin Chu^b

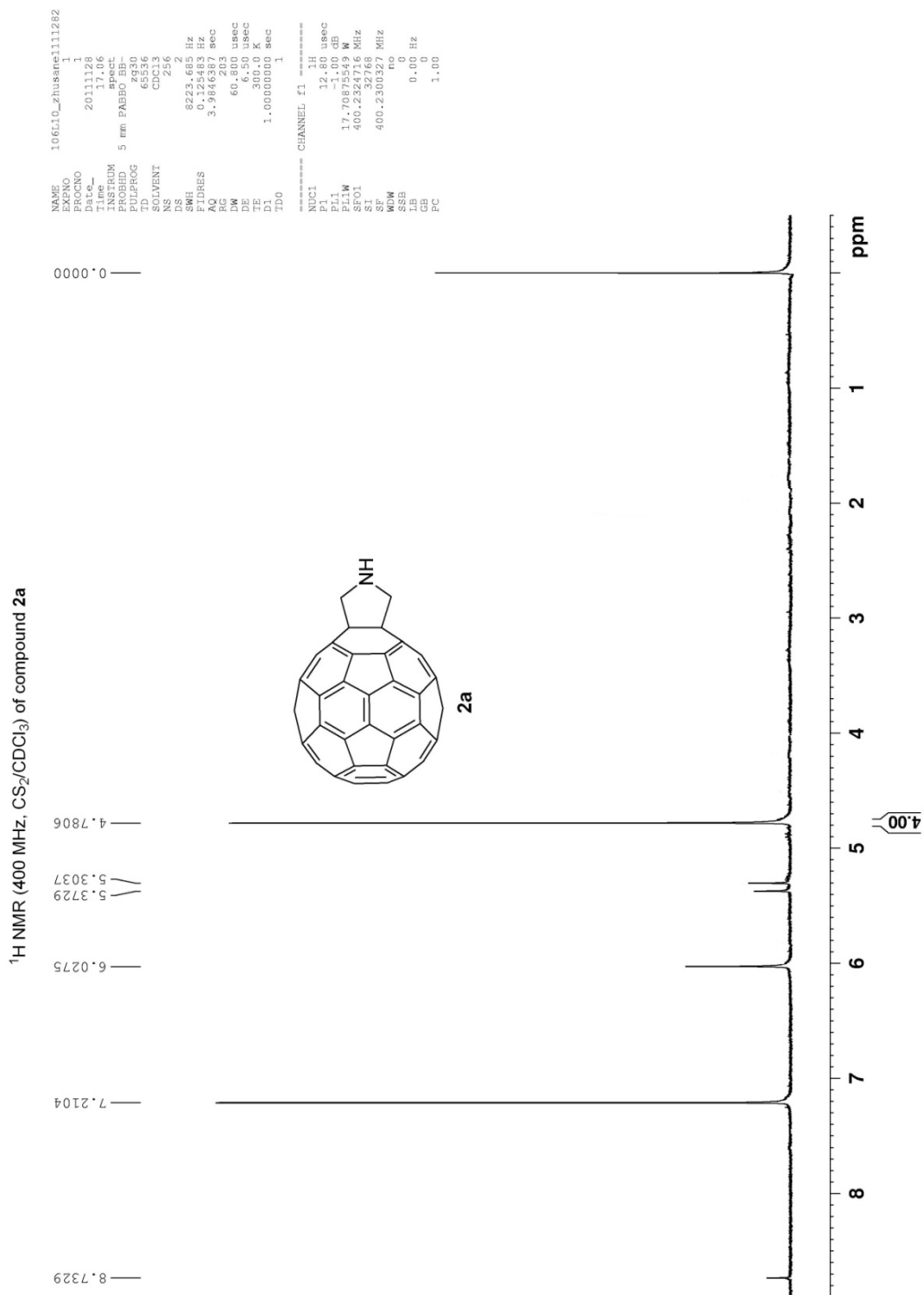
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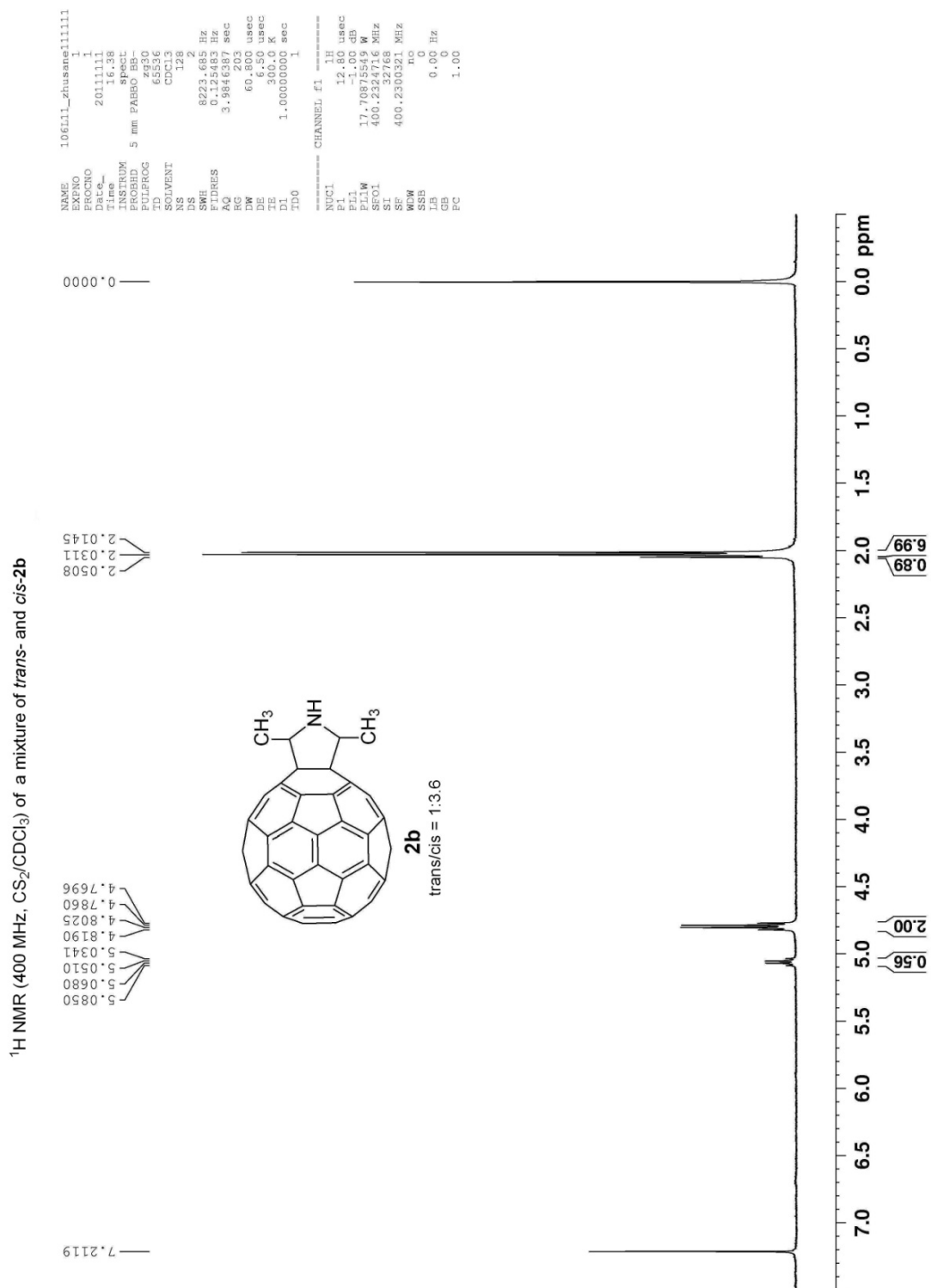
Fax: (+86)551-360-7864; E-mail: gwang@ustc.edu.cn

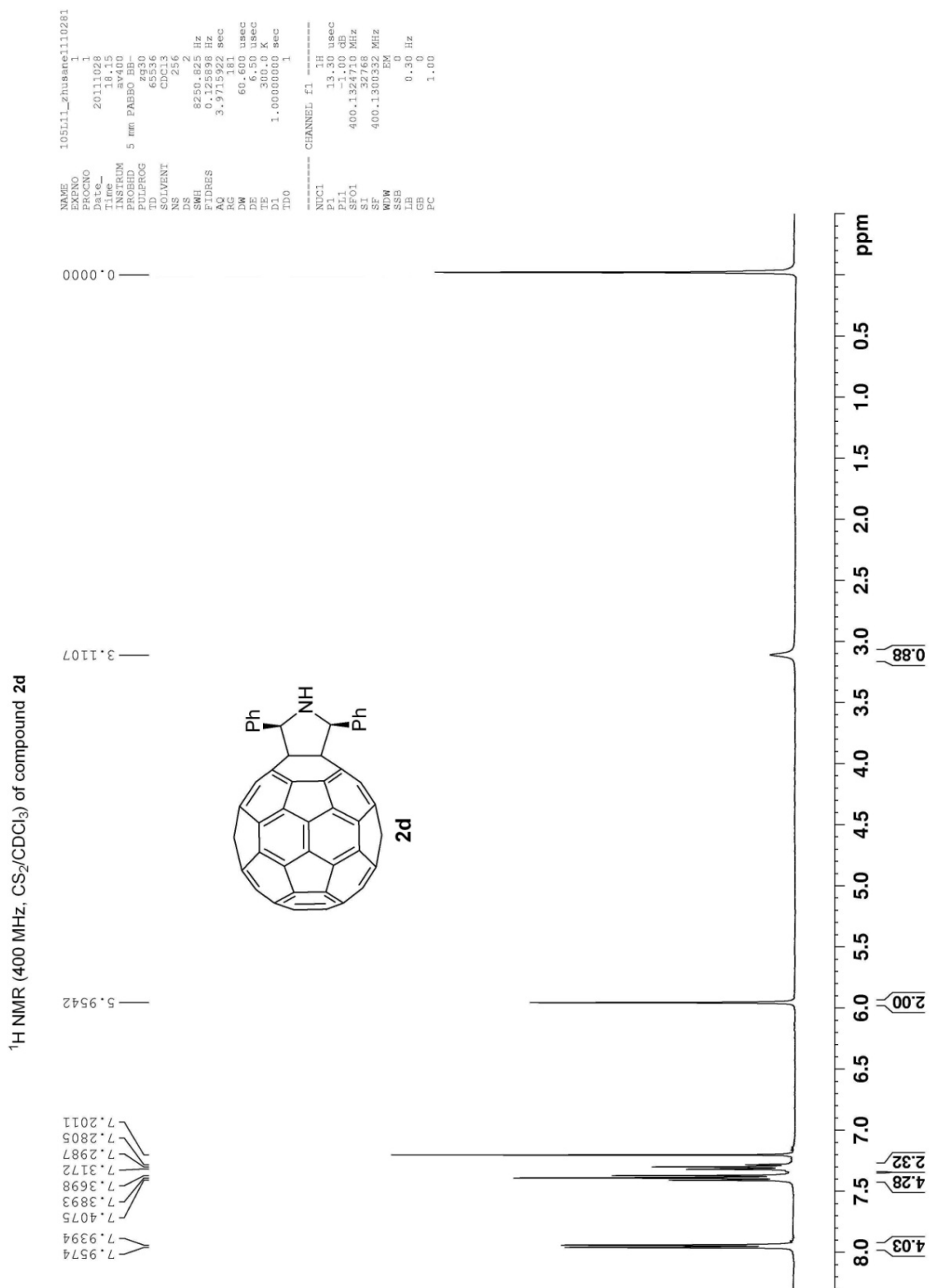
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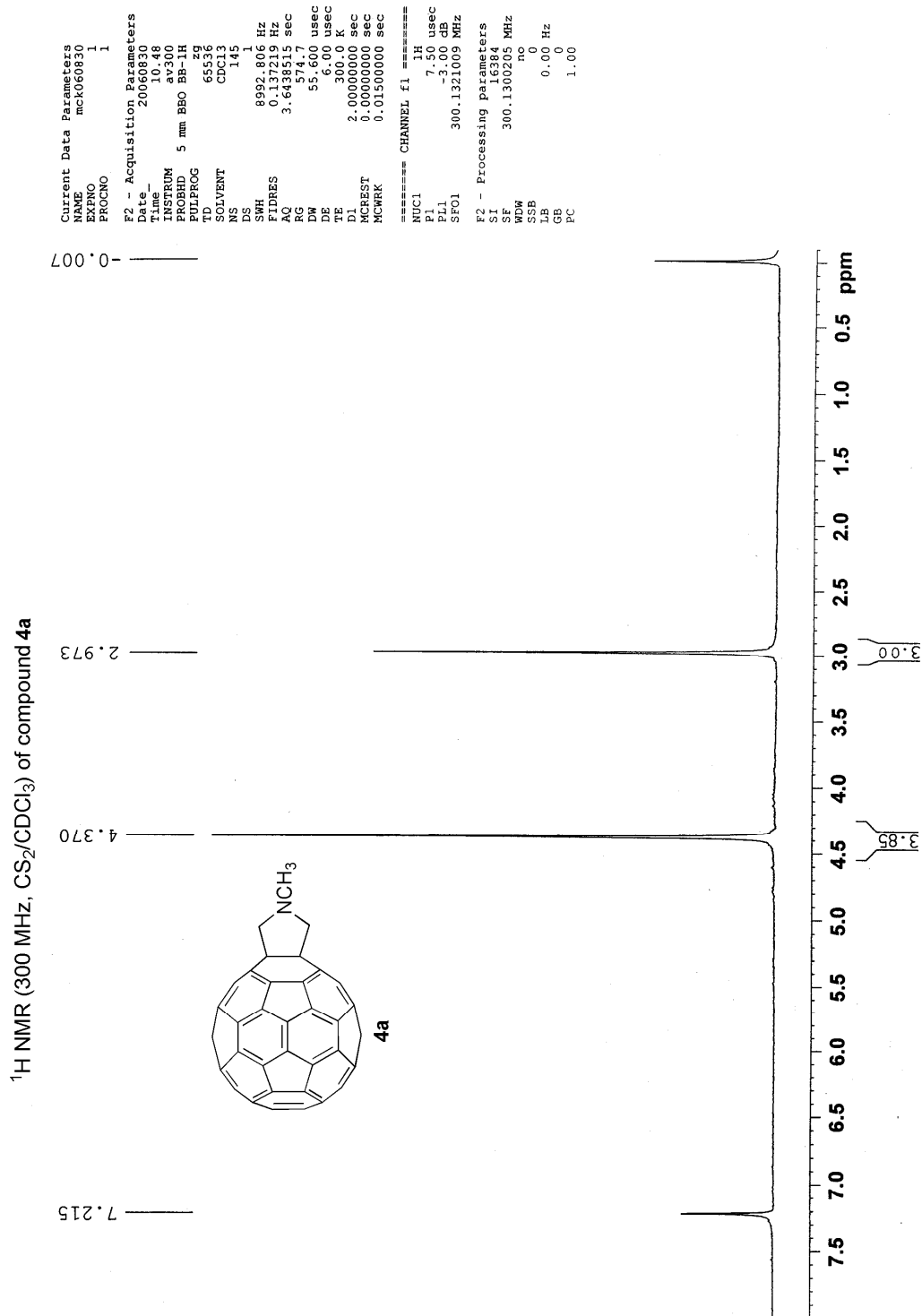
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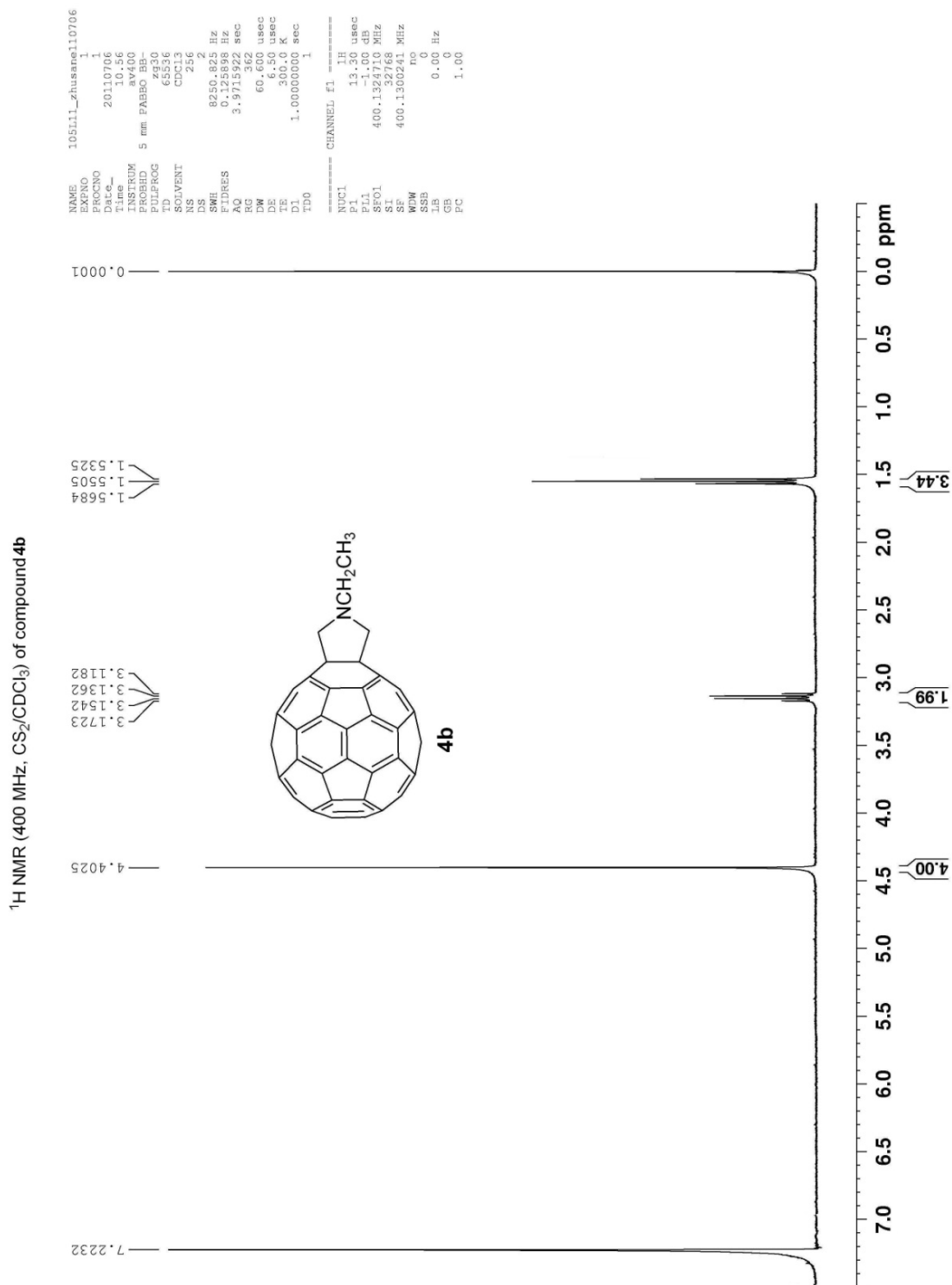
¹ H NMR spectrum of product 2a	S2
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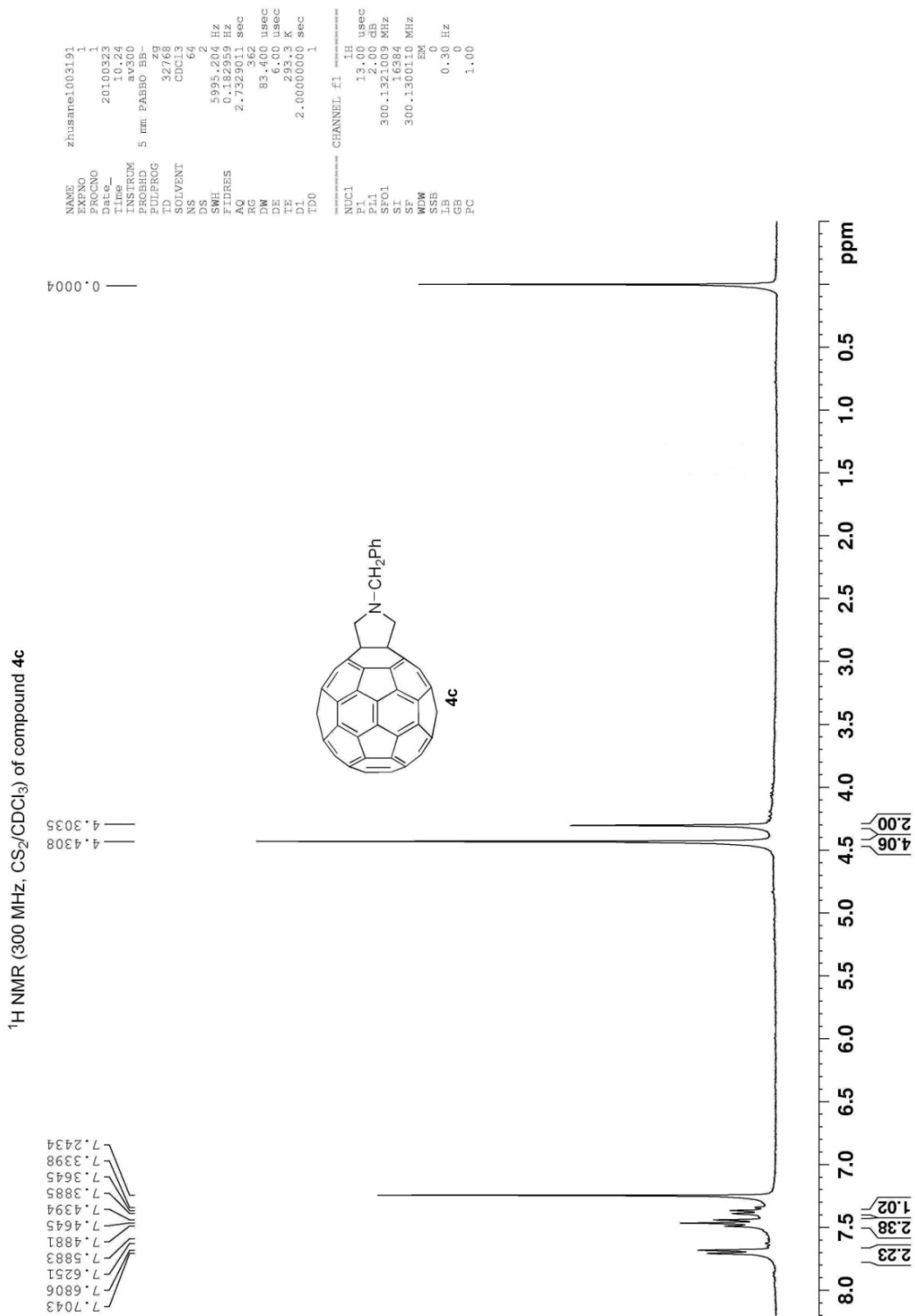






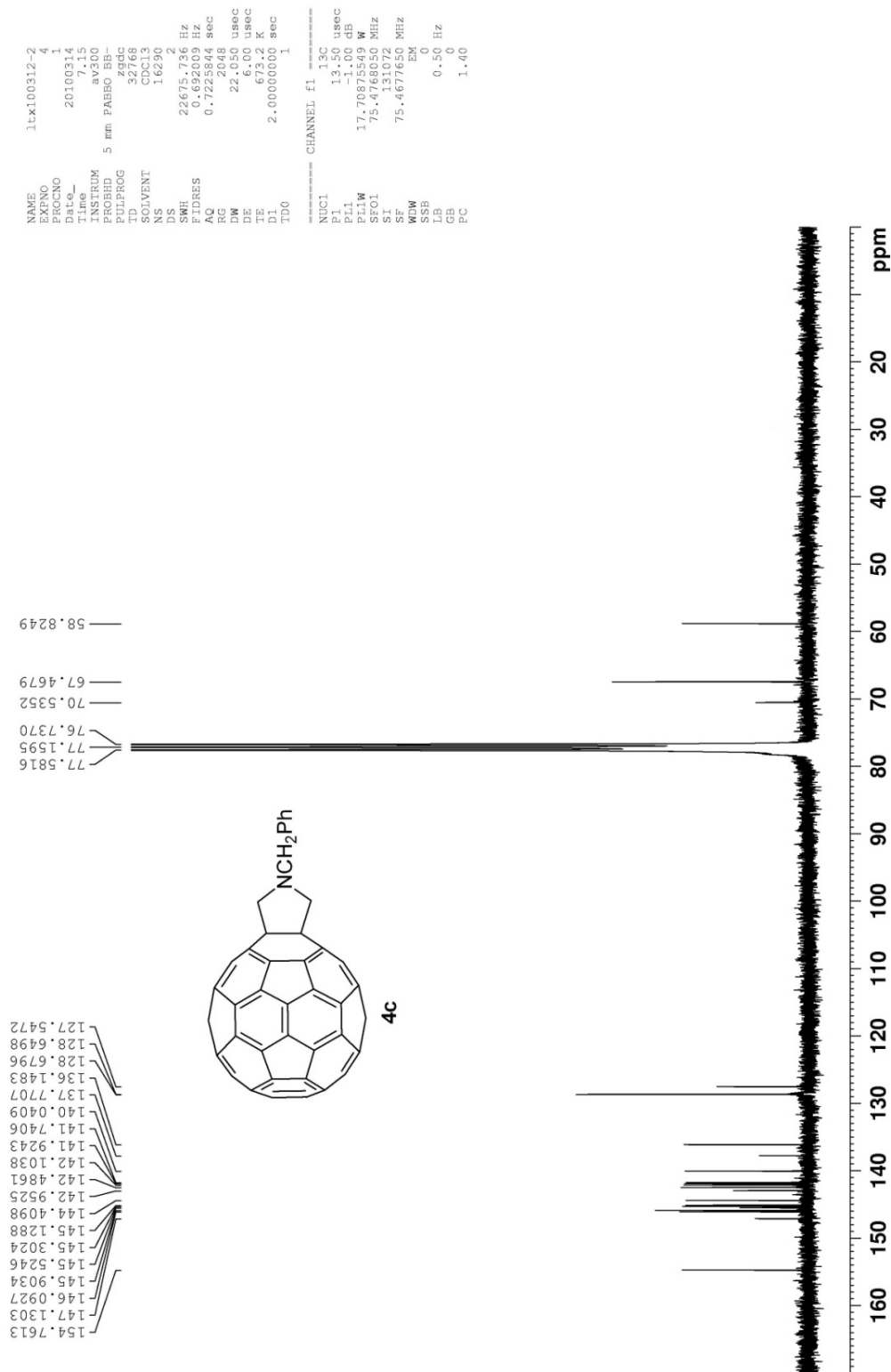




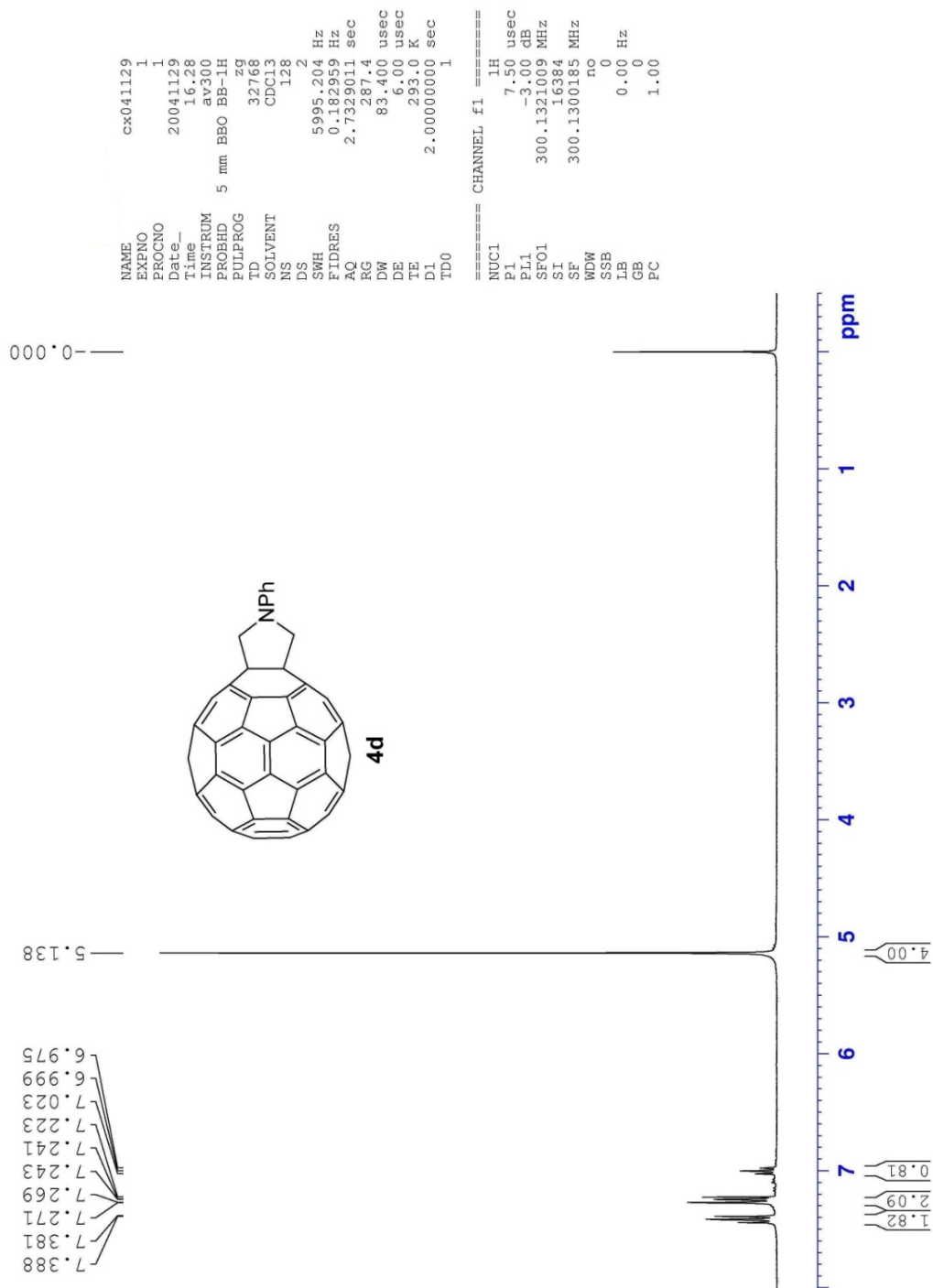


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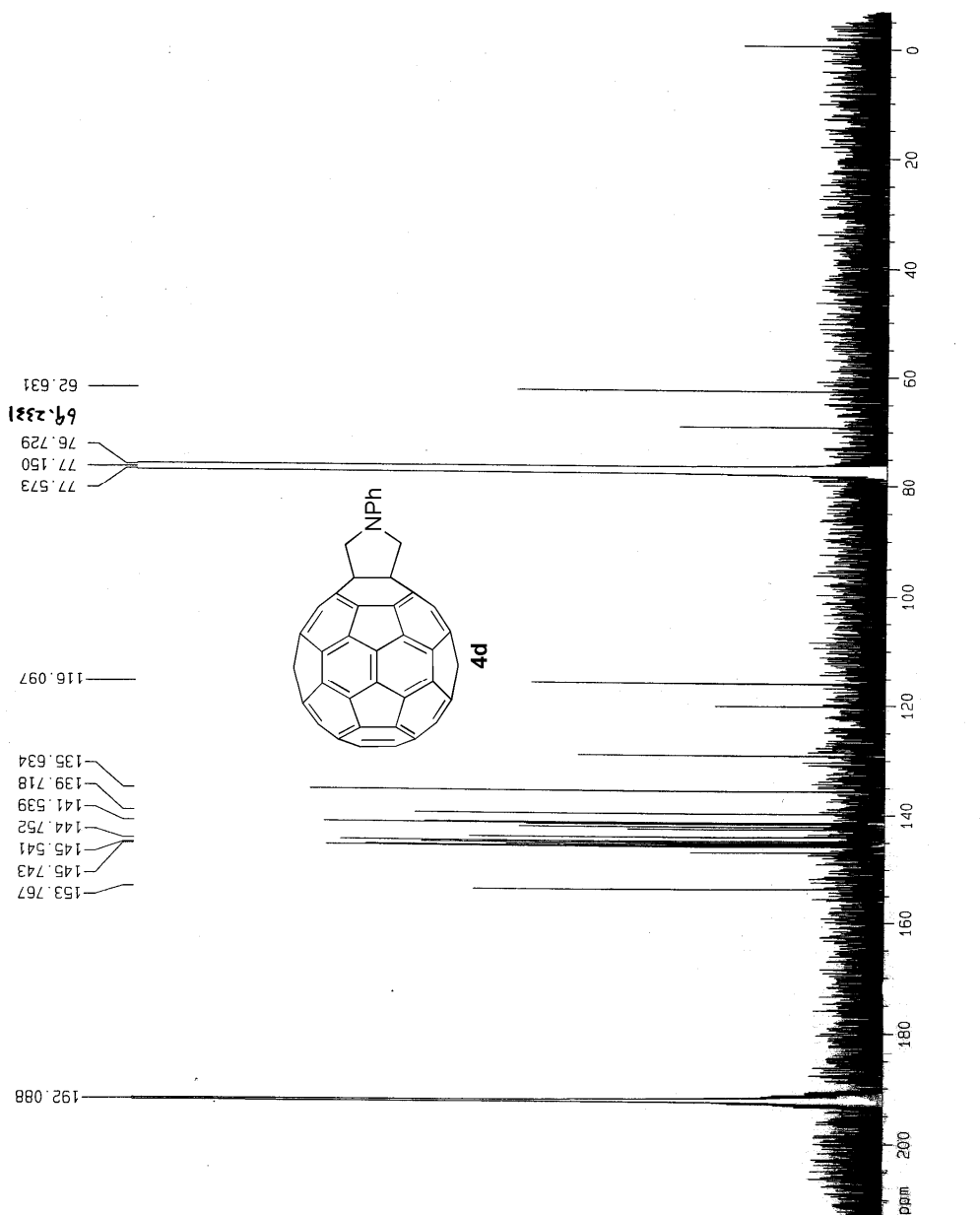
¹³C NMR (75 MHz, CS₂/CDCl₃) of compound **4c**



¹H NMR (300 MHz, CS₂/CDCl₃) of compound **4d**



¹³C NMR (75 MHz, CS₂/CDCl₃) of compound 4d



Current Data Parameters
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EXPNO 2
PROCNO 2

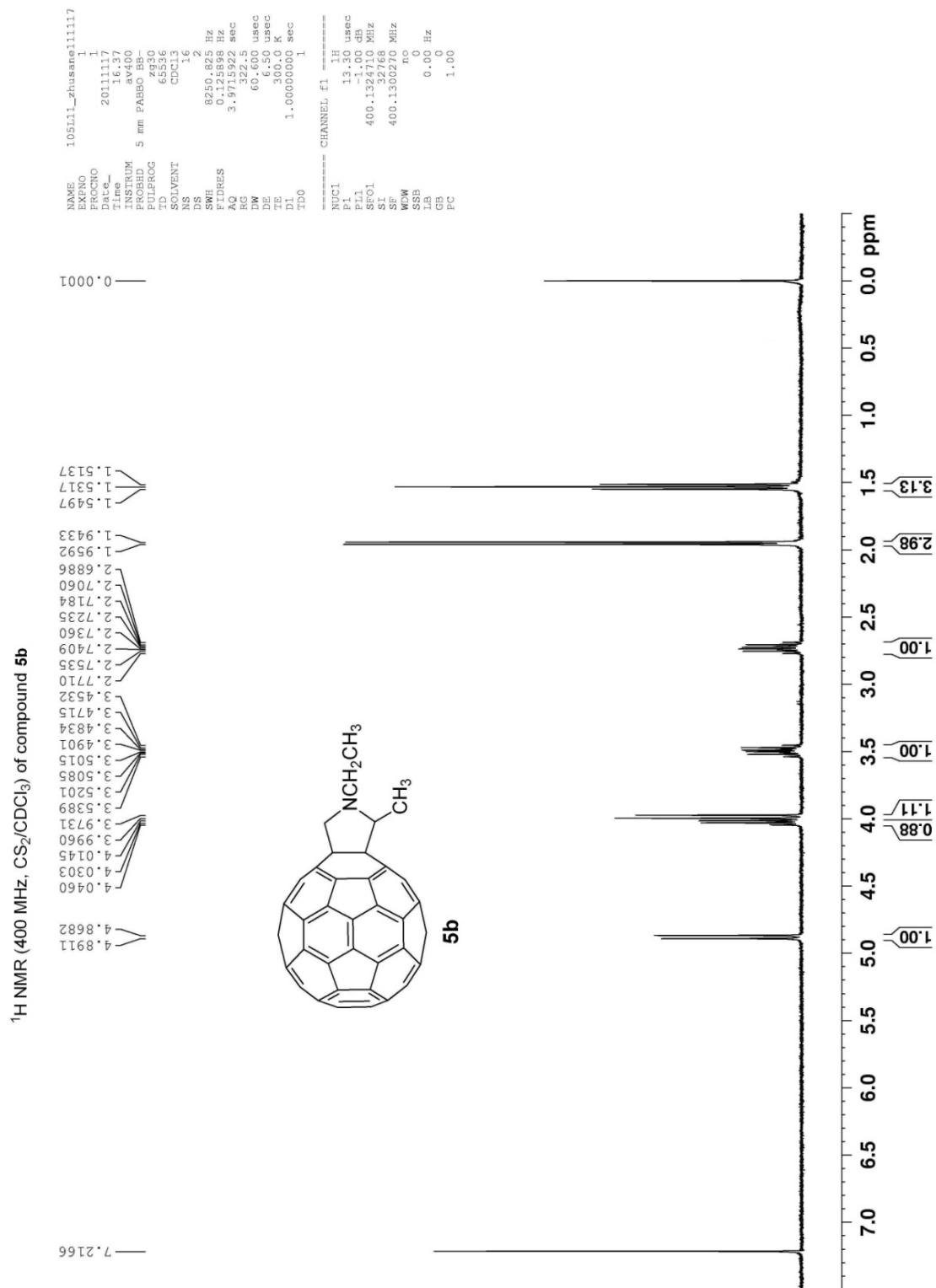
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TD 65536
SOLVENT CDCl3
NS 13294
DS 2
SWH 16556.291 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 1290.2
DM 30.200 usec
DE 6.00 usec
TE 293.2 K
D1 2.0000000 sec
d11 0.0300000 sec
PCREST 0.0000000 sec
MCNRK 0.0150000 sec

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P1 2.40 usec
PL1 -6.00 dB
SF01 75.4755588 MHz

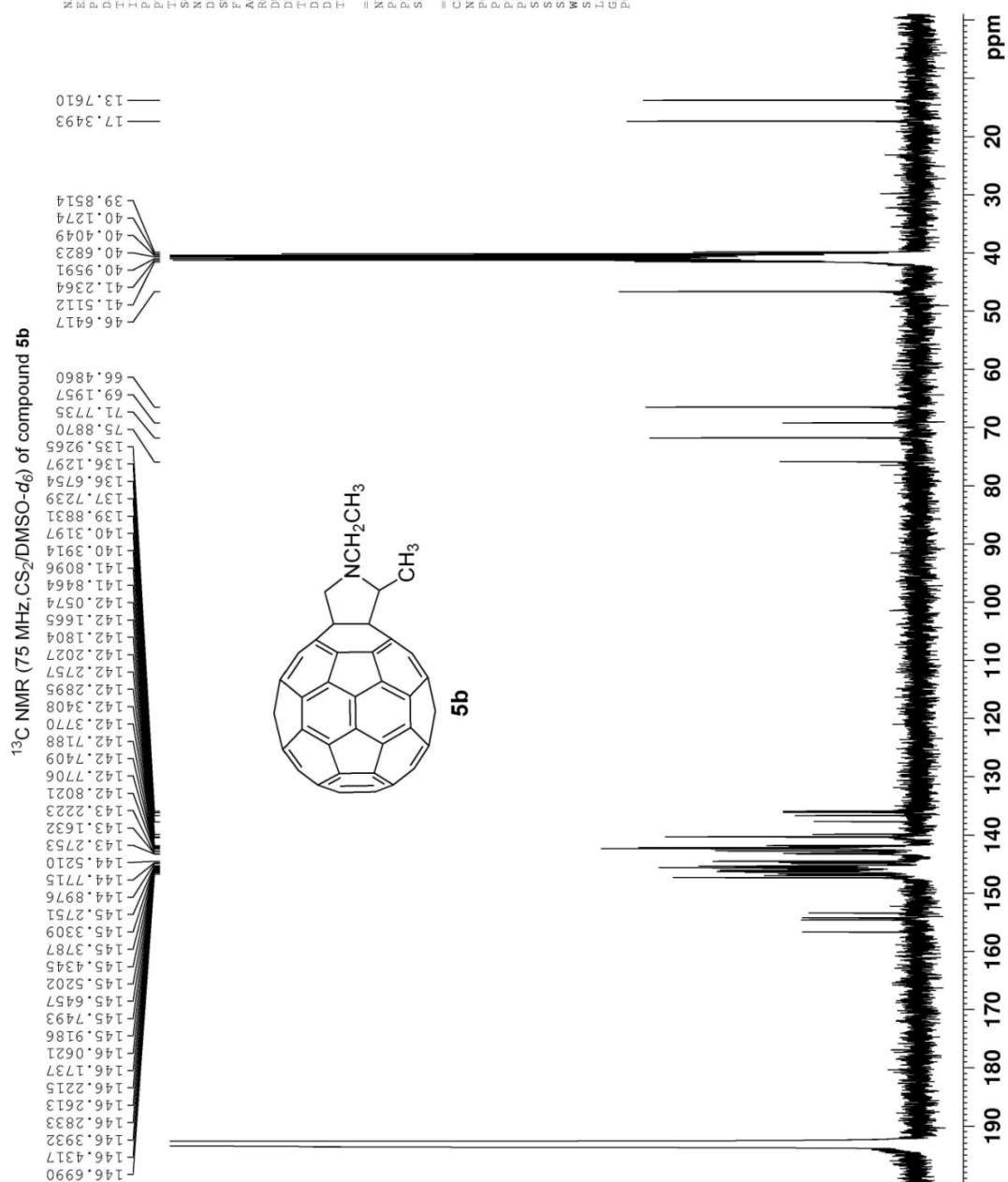
===== CHANNEL f2 =====
CPDPRG2 waltz16
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PL12 15.00 dB
SF02 300.1315007 MHz

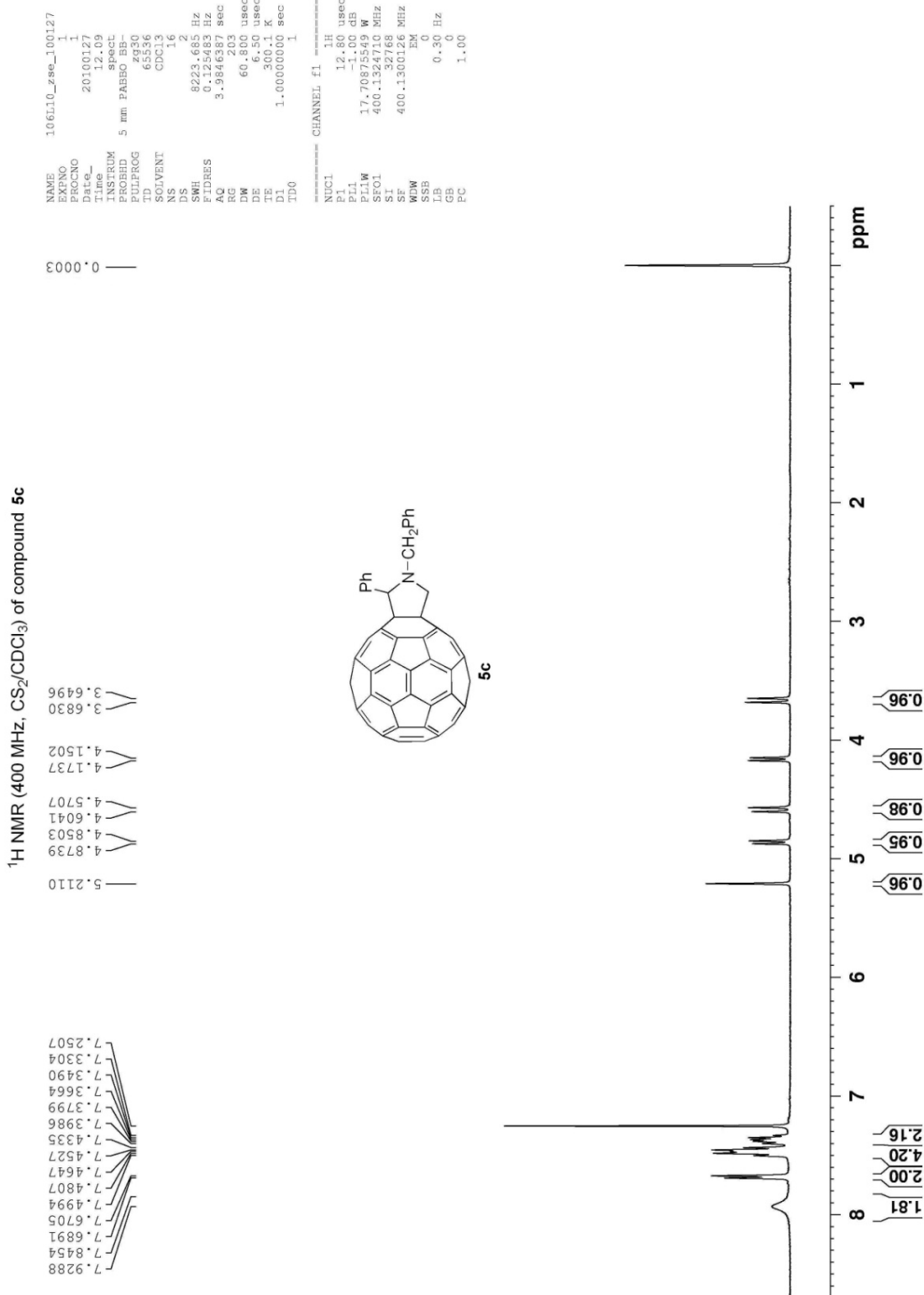
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LB 0.30 Hz
GB 0
PC 4.00

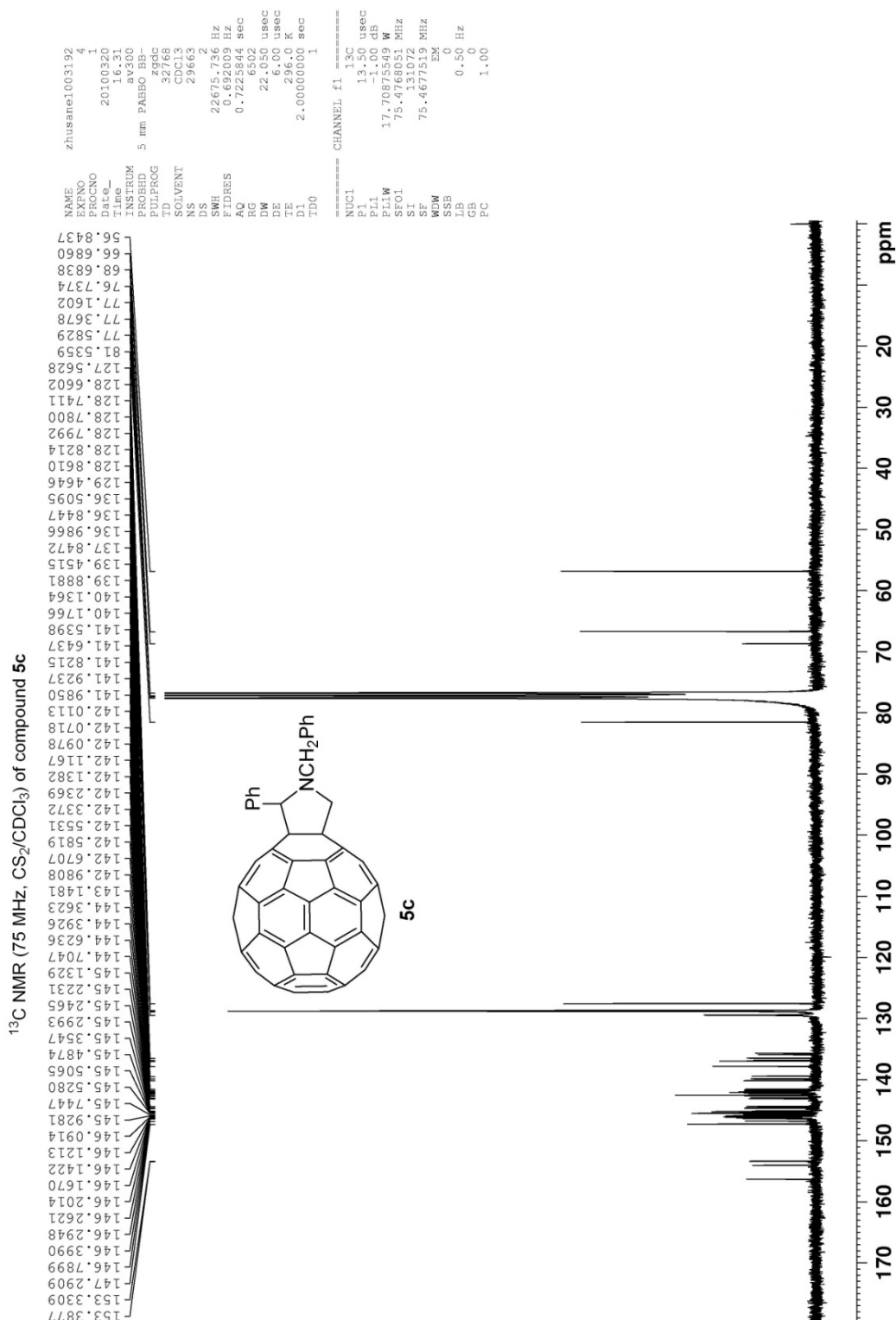
1D NMR plot parameters
CX 22.00 cm
CY 3000.00 cm
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F1 16041.43 Hz
F2P -6.822 ppm
F2 -514.86 Hz
PPMCH 9.97192 ppm/cm
HZCM 752.55872 Hz/cm

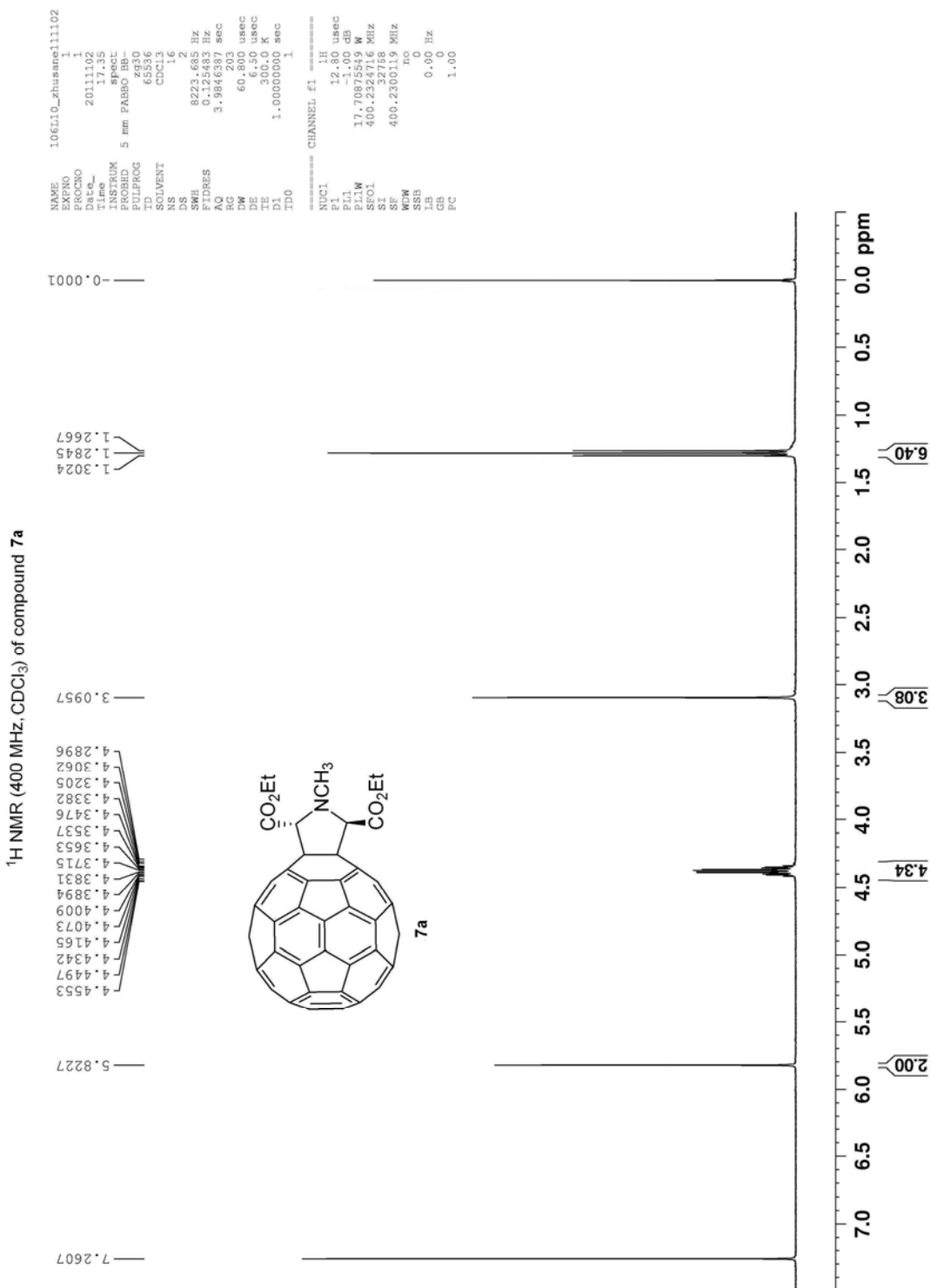


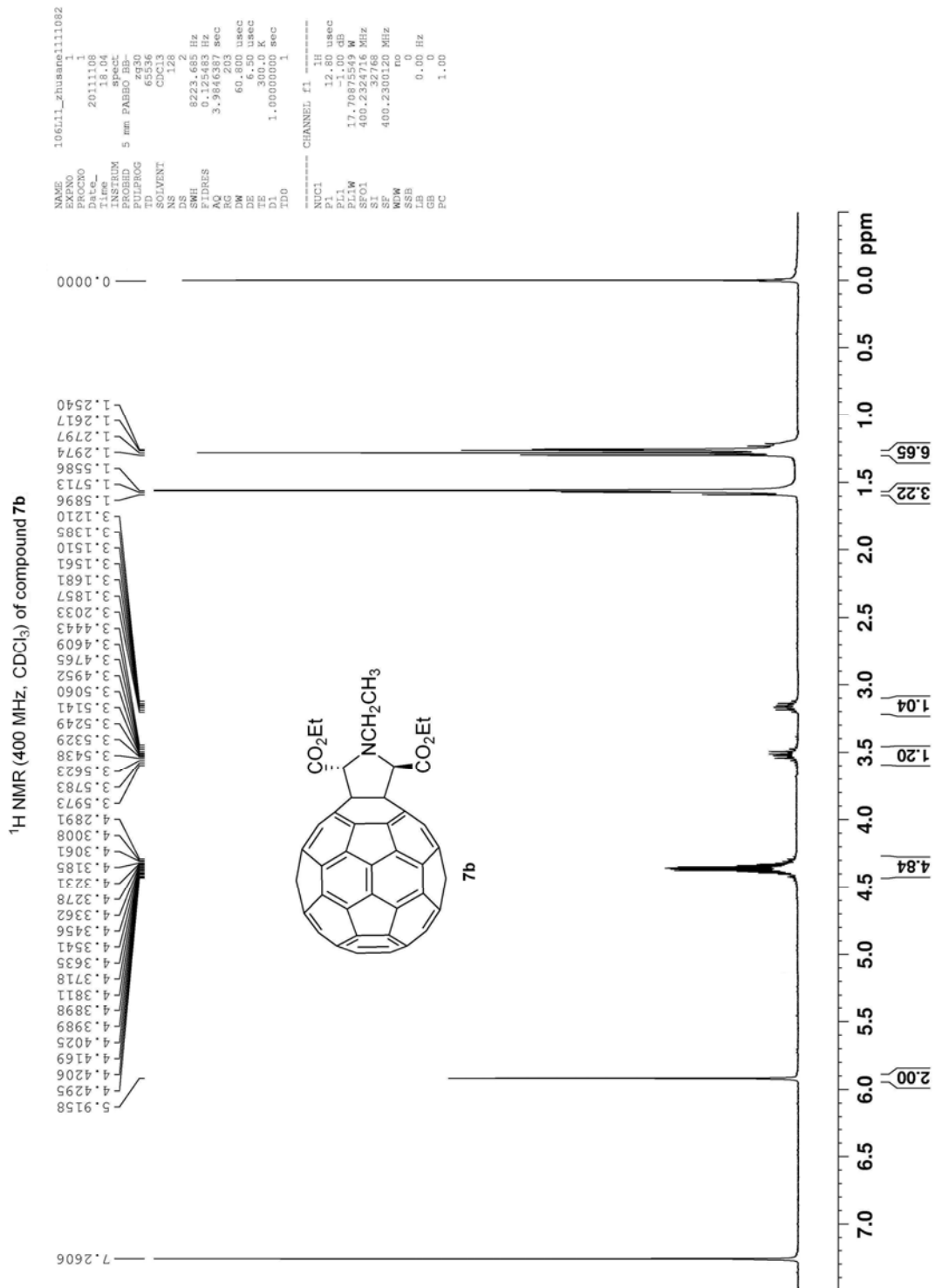
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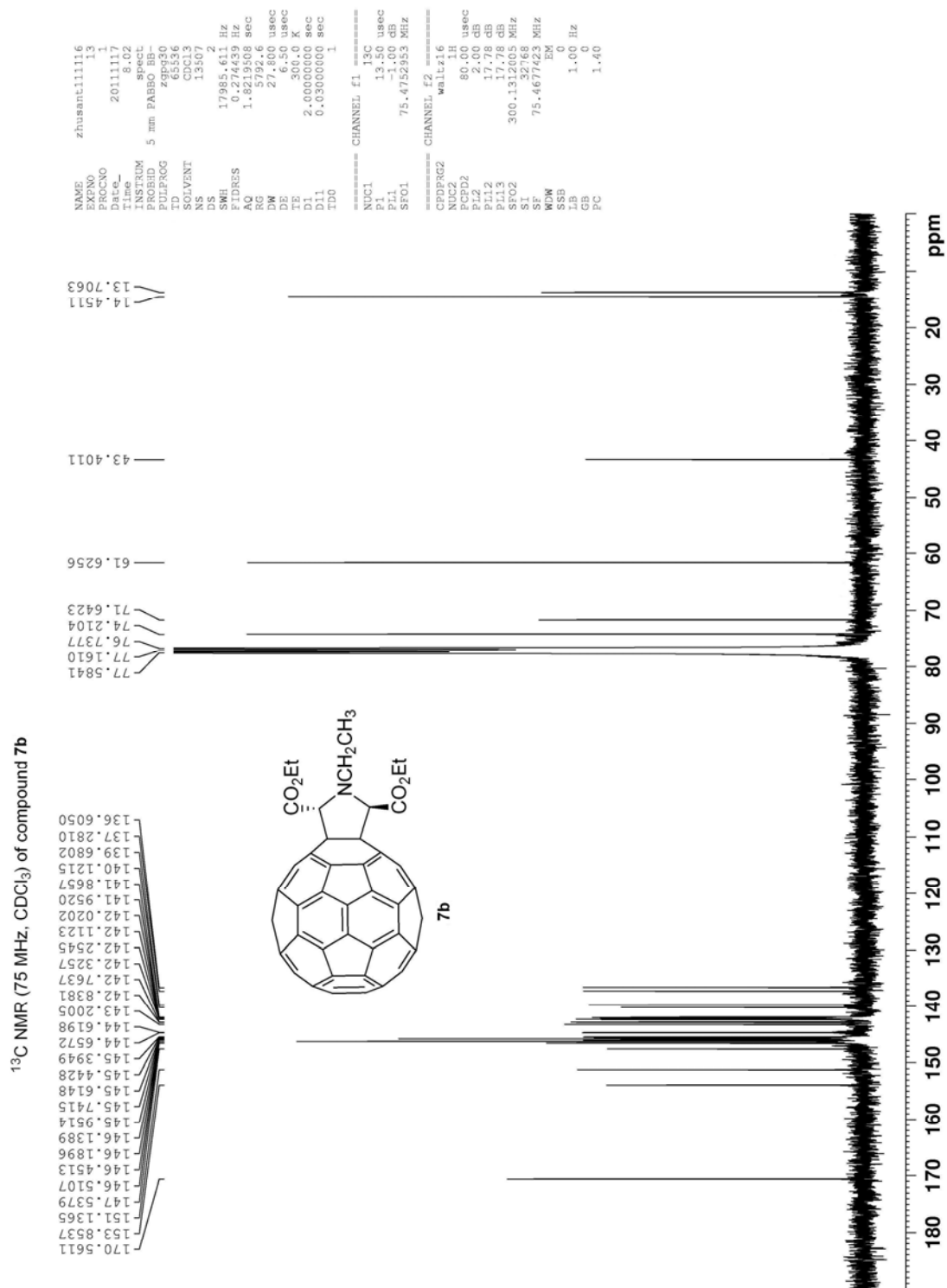


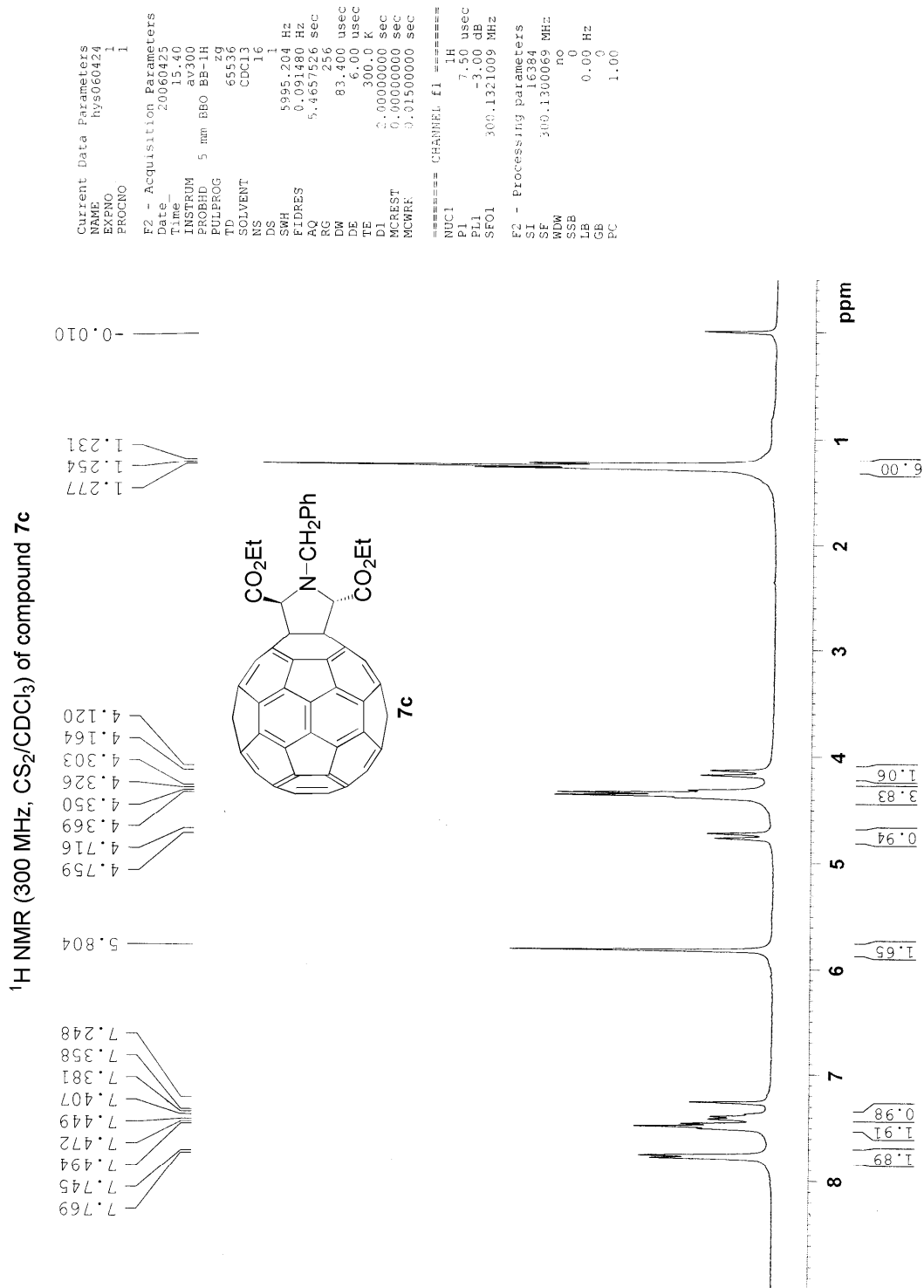




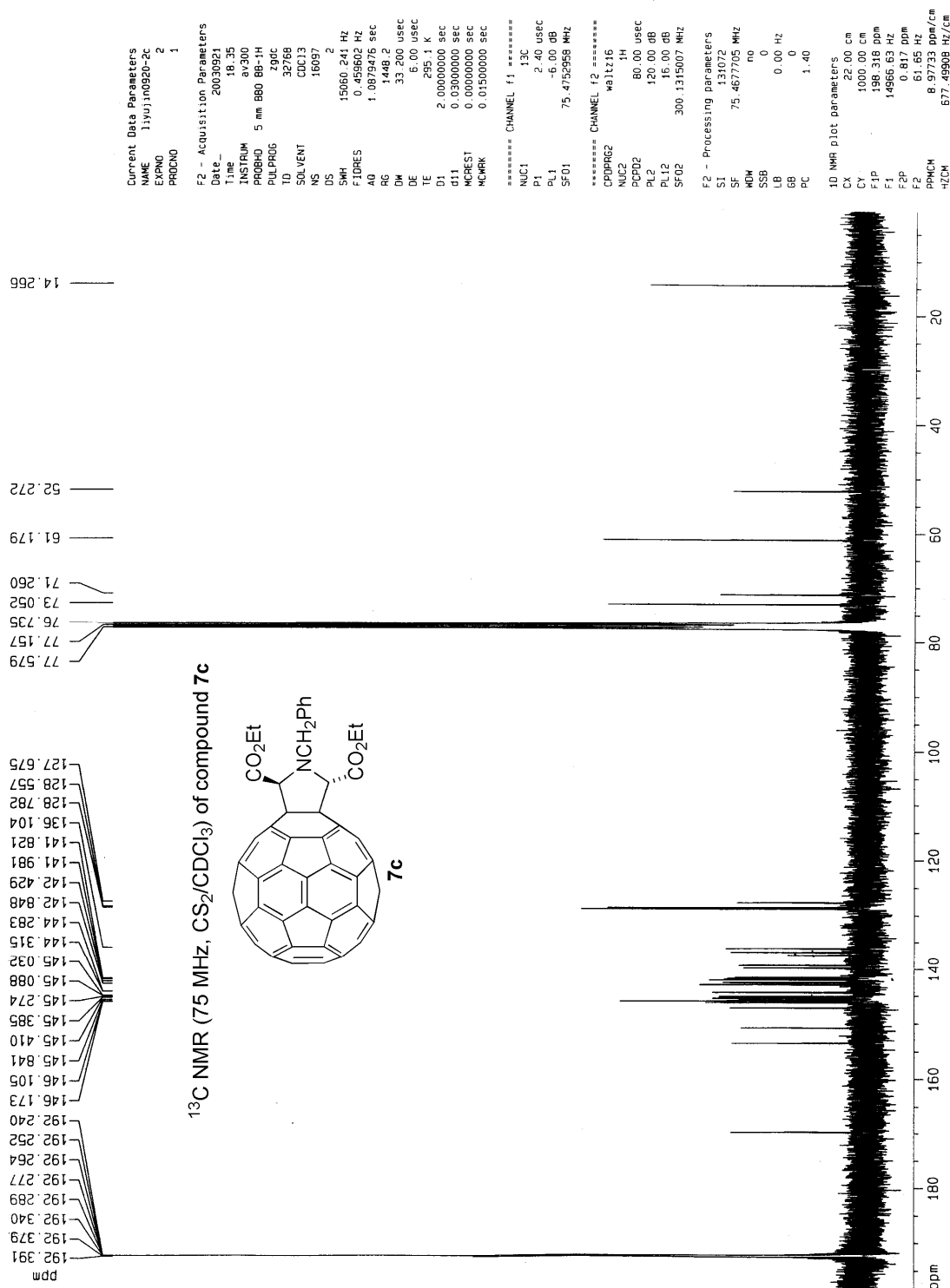




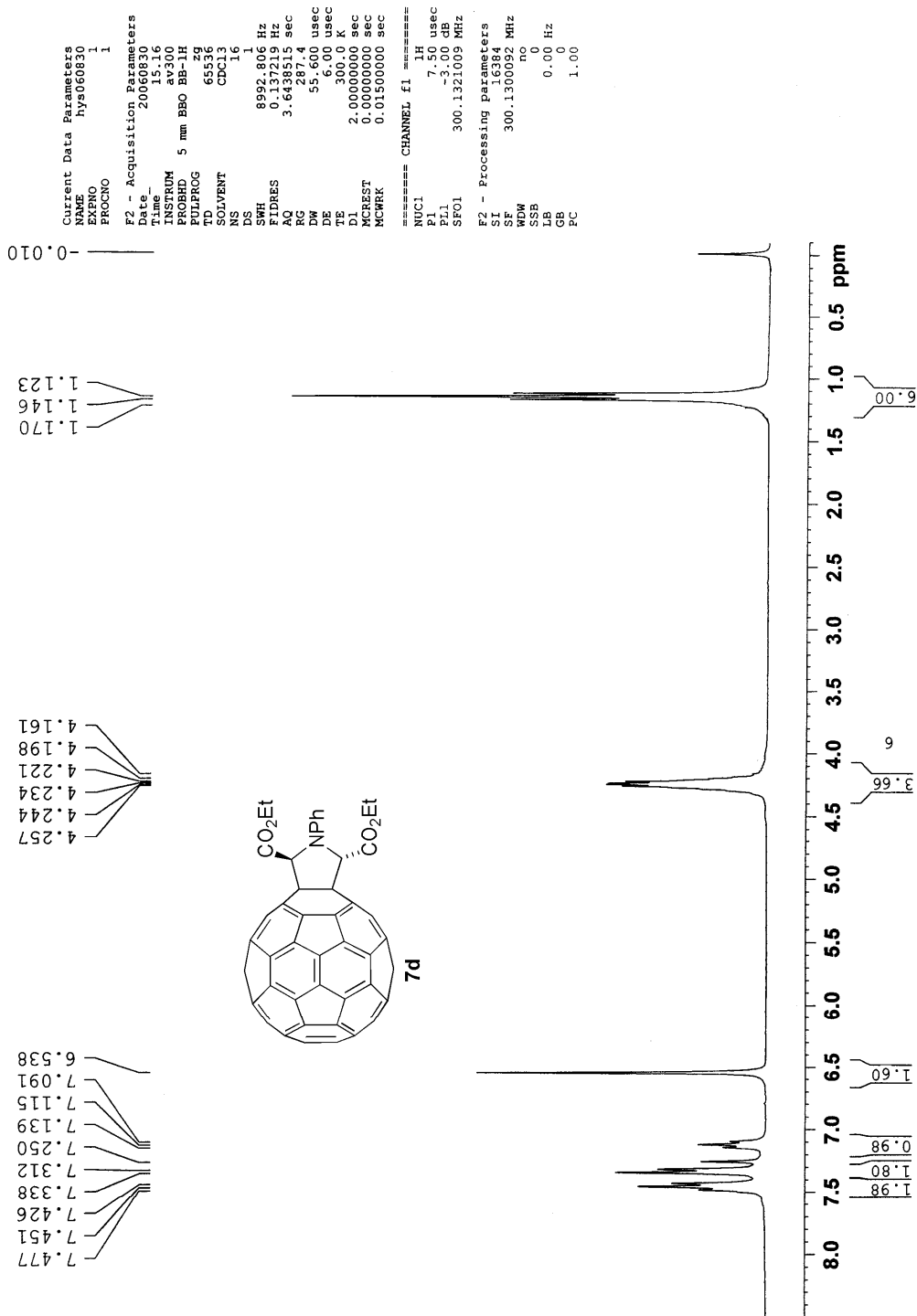


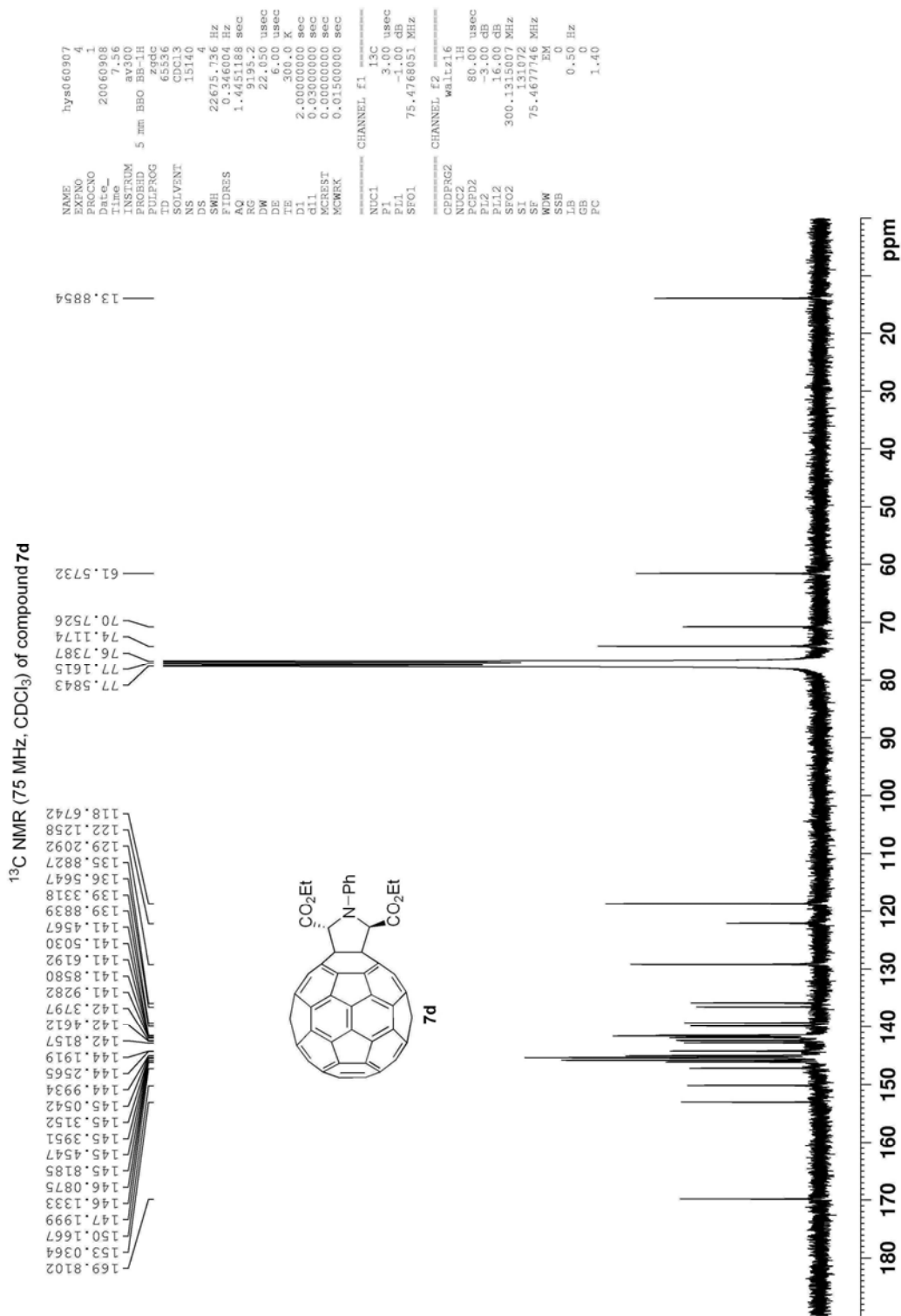


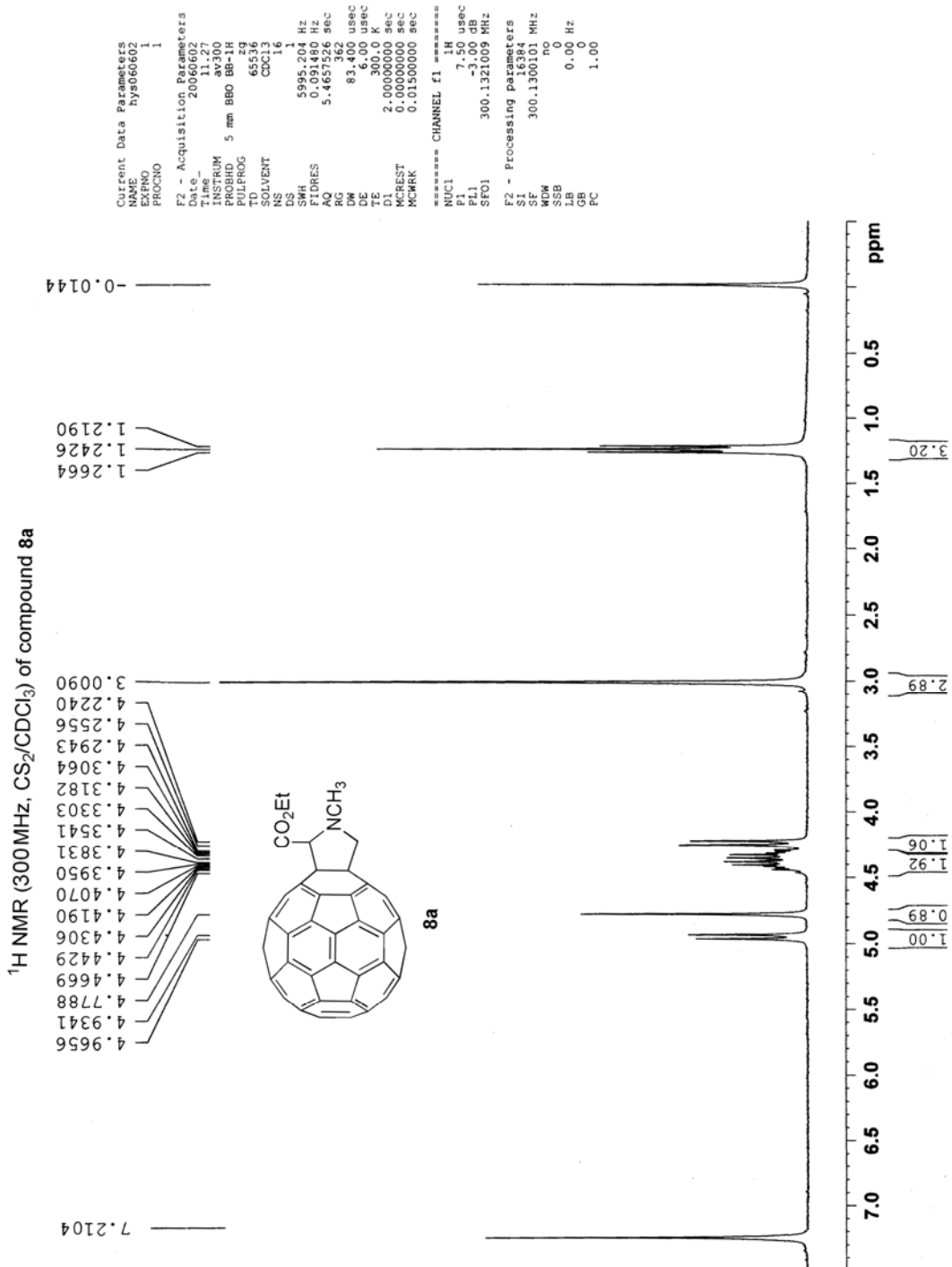
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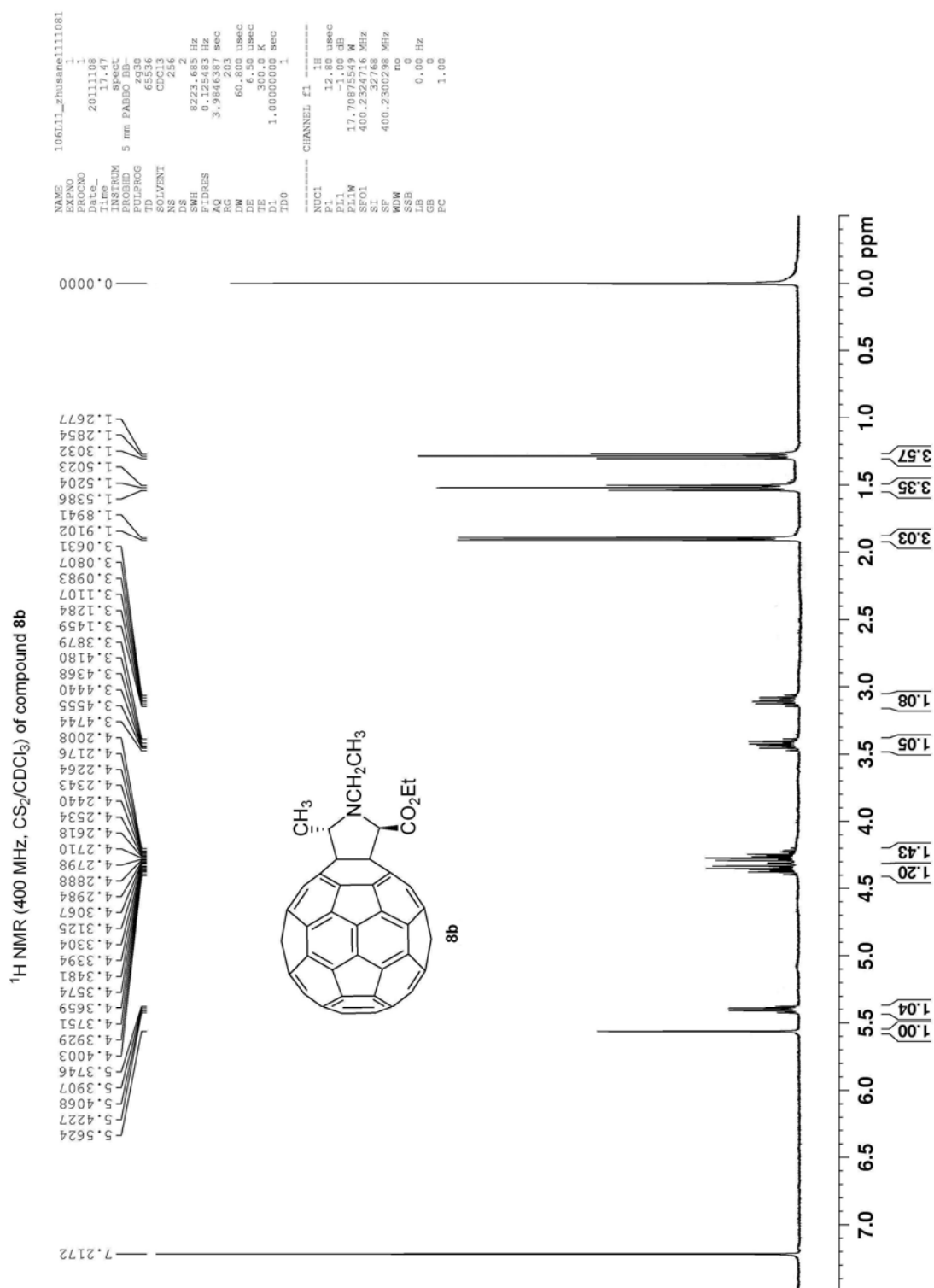


¹H NMR (300 MHz, CS₂(CDCl₃) of compound 7d

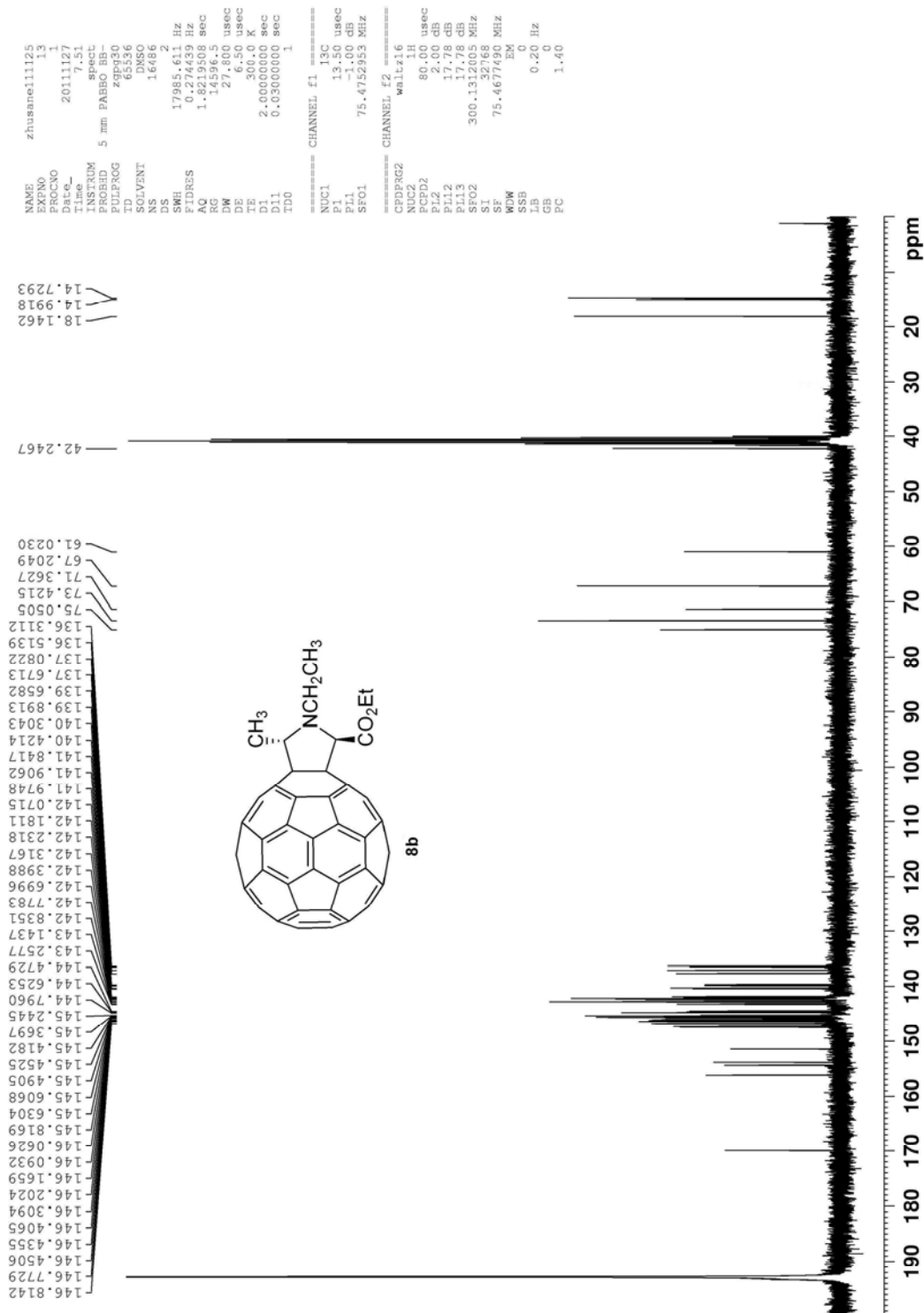


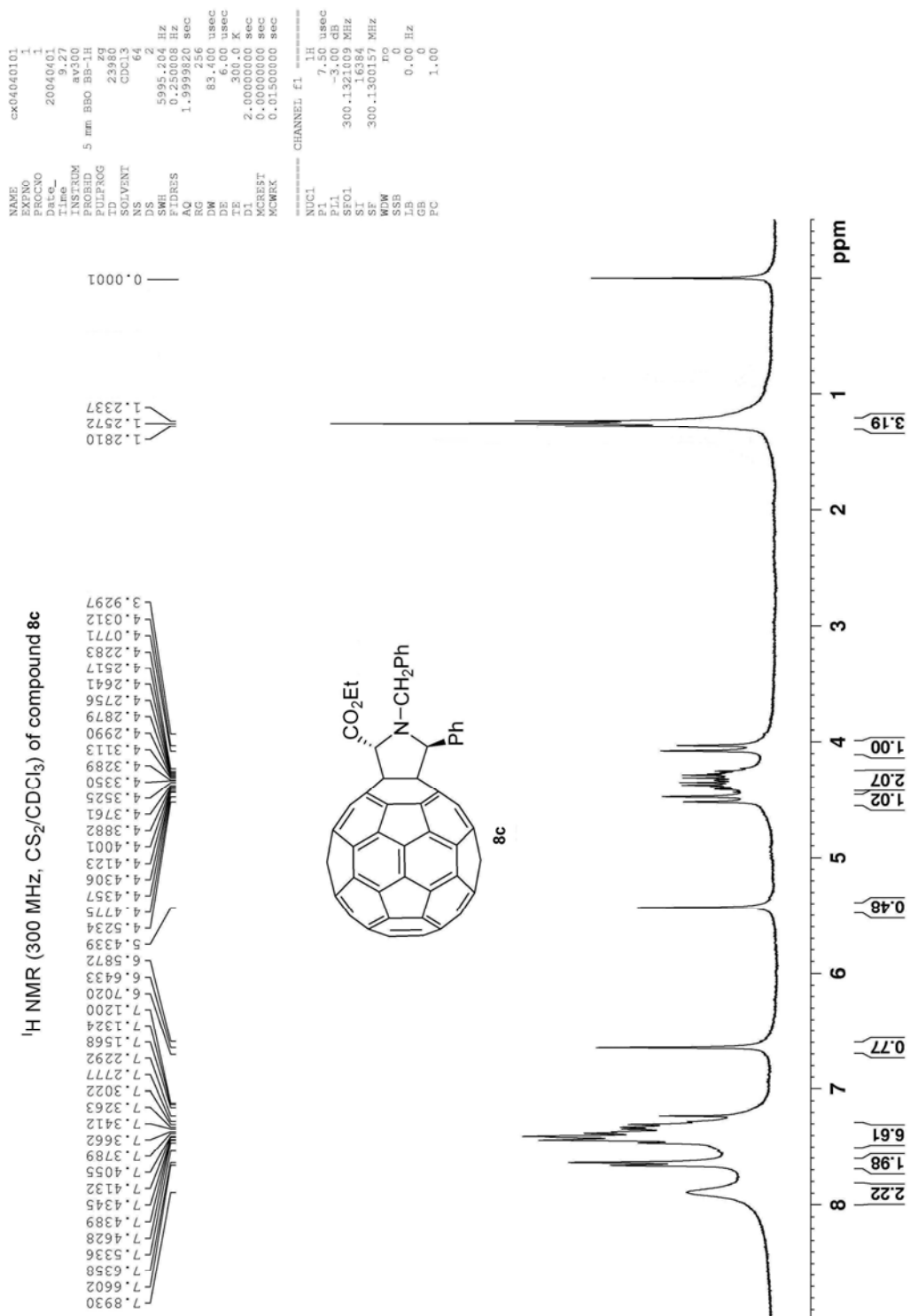


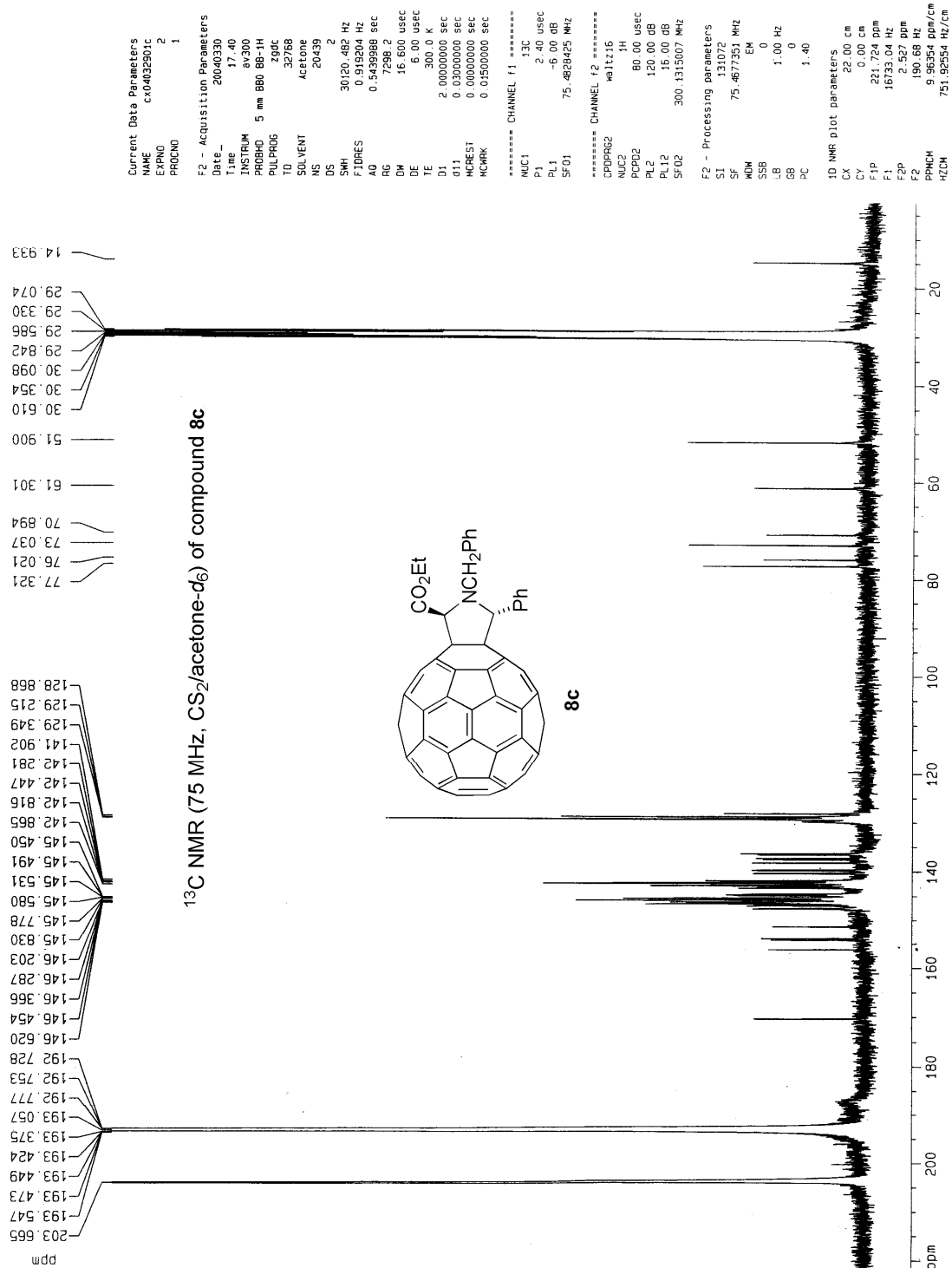


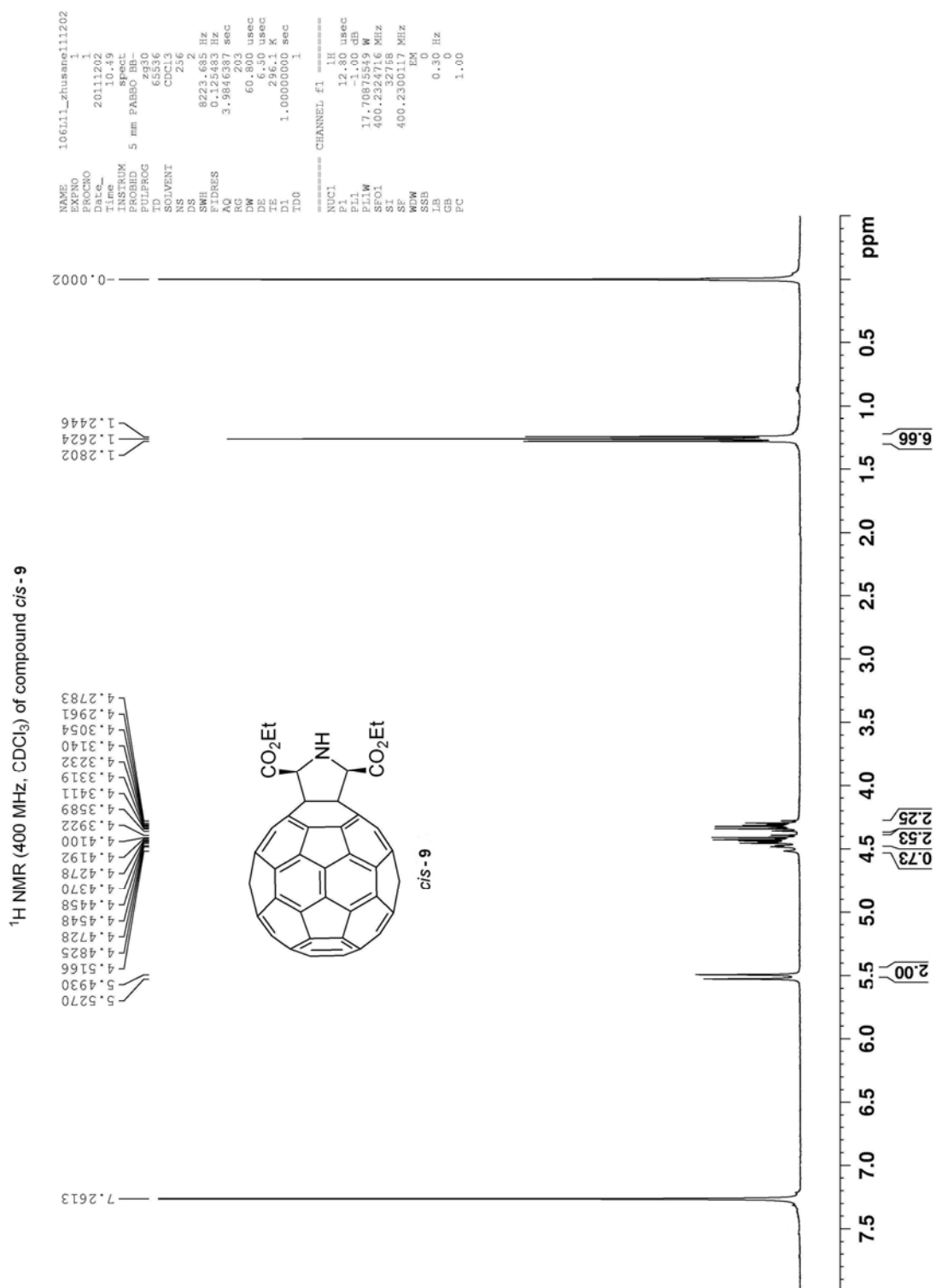


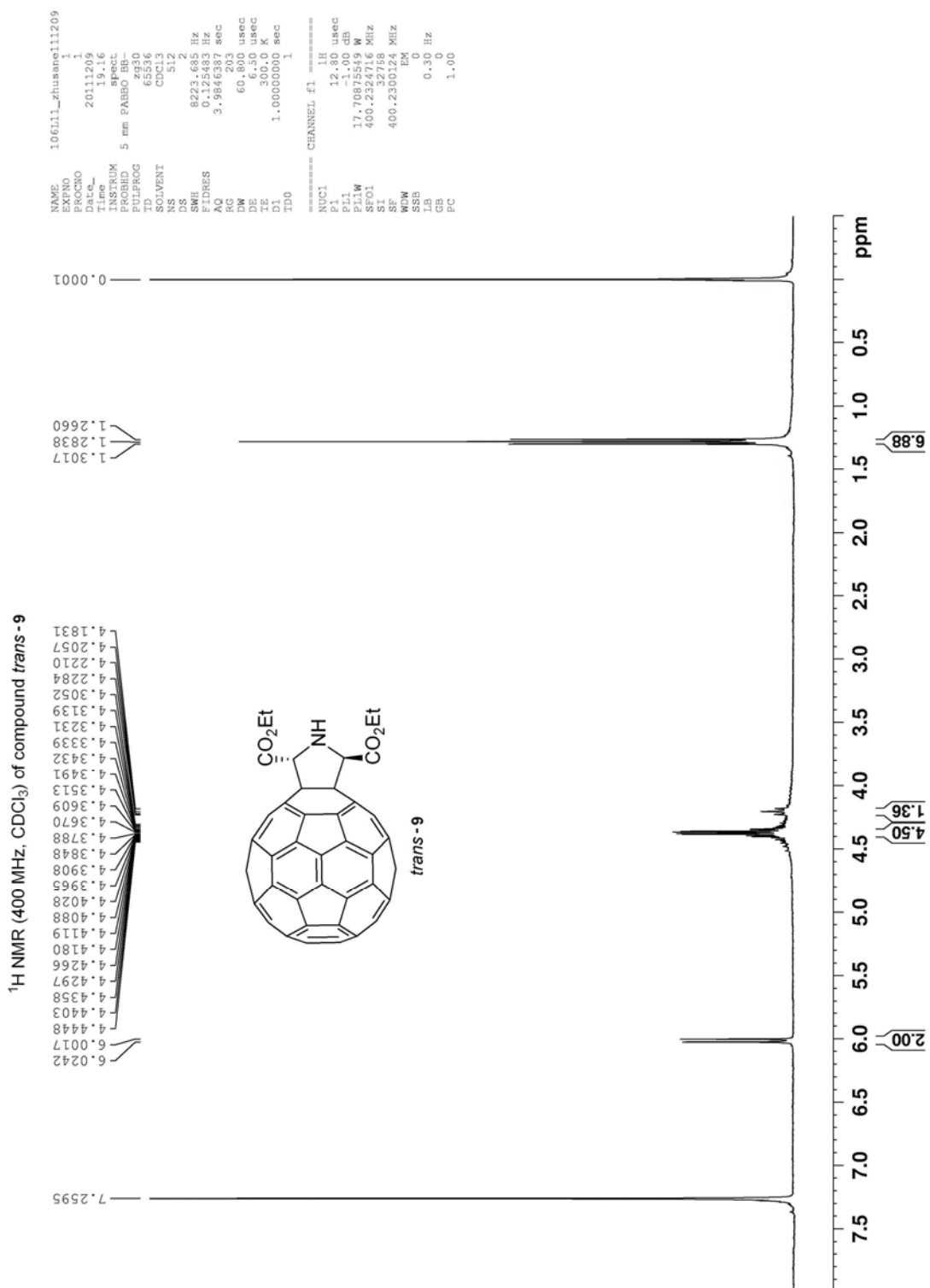
^{13}C NMR (75 MHz, $\text{CS}_2/\text{DMSO}-d_6$) of compound **8b**



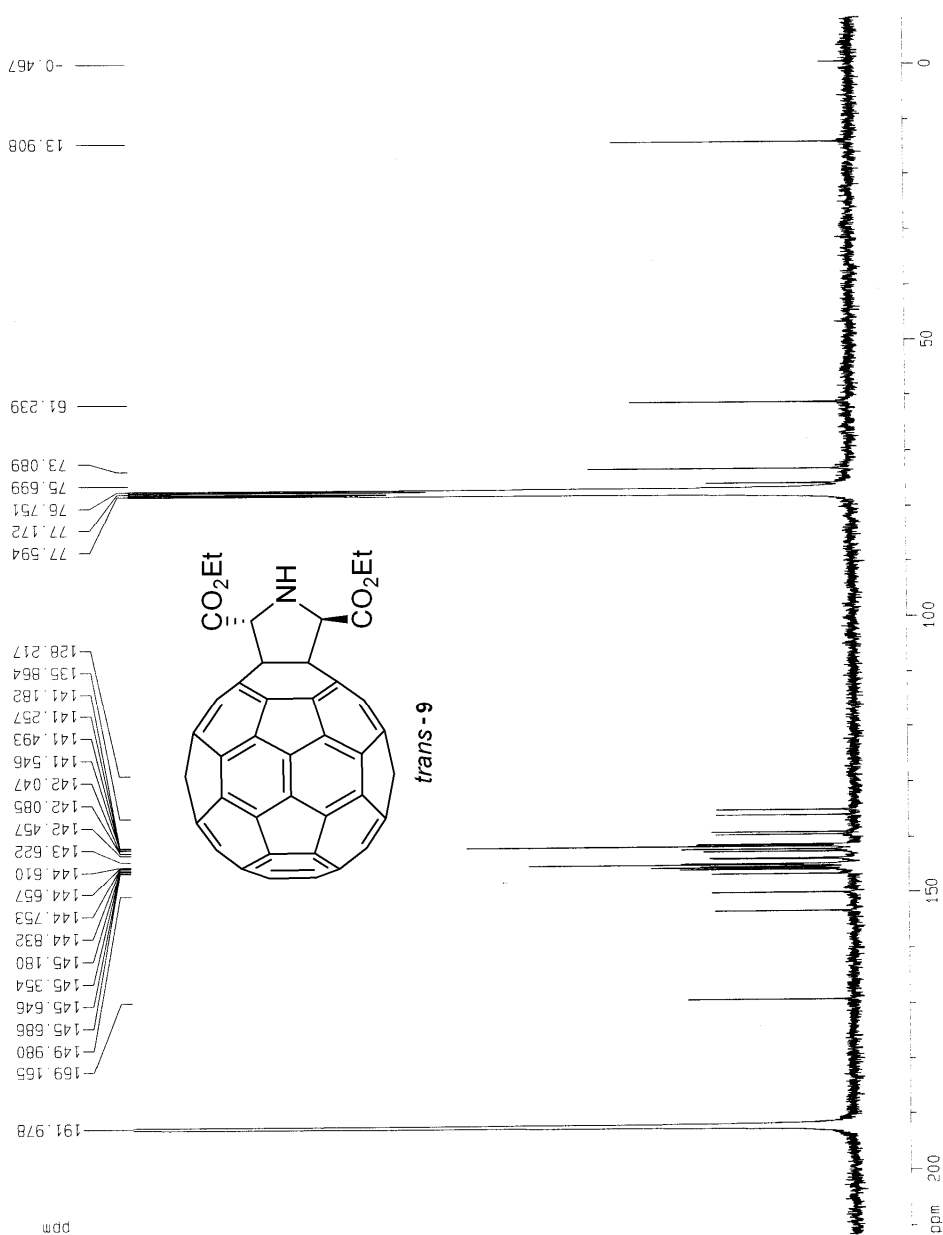








¹³C NMR (75 MHz, CS₂/CDCl₃) of compound *trans*-9



Current Data Parameters
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EXPNO 4
PROCNO 1

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Time 8.33
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PULPROG zgpg
TD 32768
SOLVENT CDCl3
NS 19101
DS 2
SWH 22675.736 Hz
FIDRES 0.692009 Hz
AQ 0.7225844 sec
RG 1824.6
DW 22.050 usec
DE 6.00 usec
TE 300.0 K
D1 2.0000000 sec
d11 0.0300000 sec
ICREST 0.0000000 sec
MCWK 0.0150000 sec

***** CHANNEL f1 *****
NUC1 ¹³C
P1 3.50 usec
PL1 -1.00 dB
SF01 75.4768051 MHz

***** CHANNEL f2 *****
CPOPRG2 waltz16
NUC2 ¹H
PCPD2 80.00 usec
PL2 2.00 dB
PL12 17.78 dB
SF02 300.1315007 MHz

F2 - Processing parameters
SI 131072
SF 75.4678031 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 22.00 cm
CY 0.00 cm
F1P 211.863 ppm
F1 15973.74 Hz
F2P -8.557 ppm
F2 -645.74 Hz
PPMCM 10.0098 ppm/cm
HZCM 755.43109 Hz/cm

