

## Supplementary Material

### Unequivocal synthesis of substituted thiazolo[3,2-*a*]benzimidazoles

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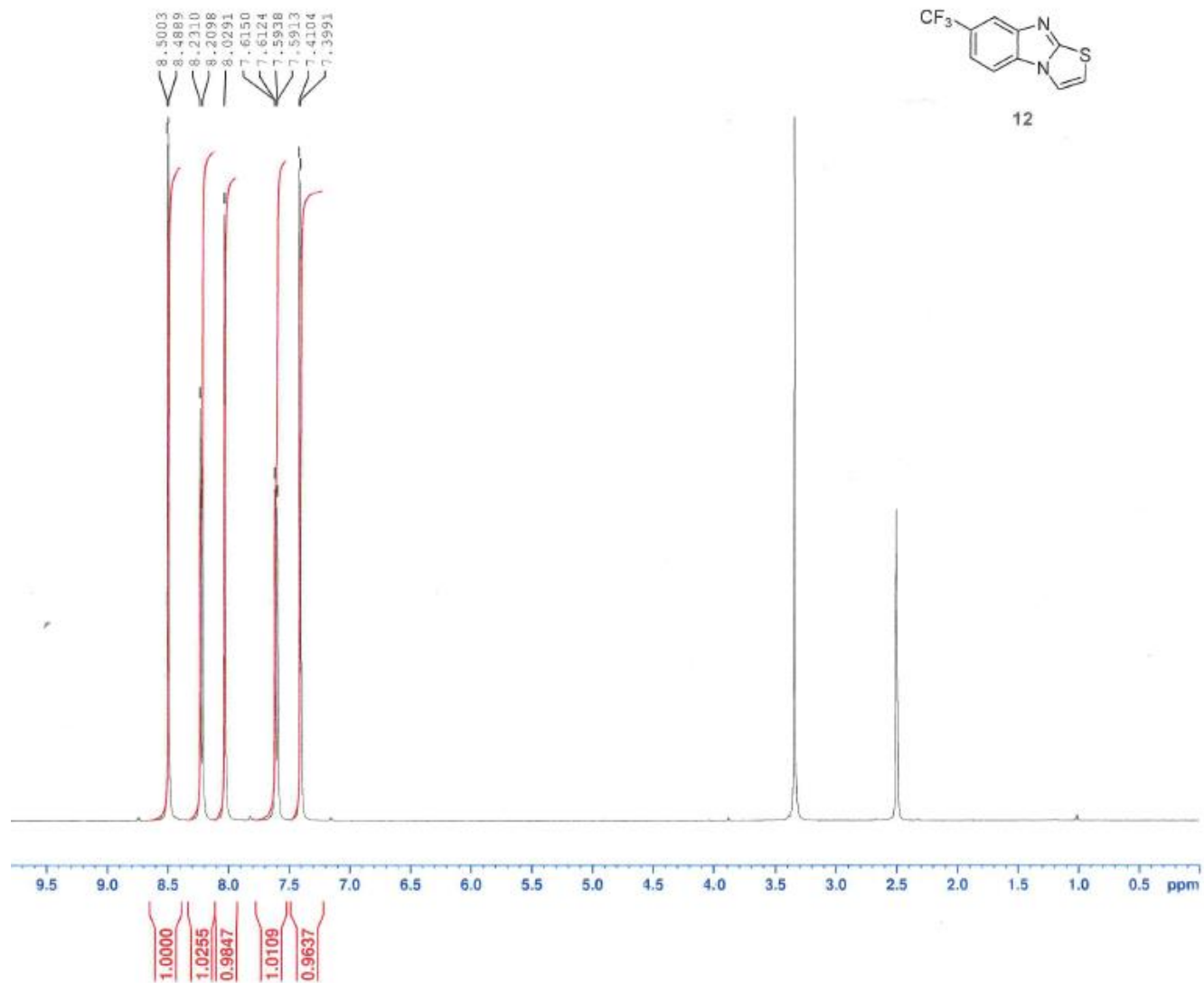
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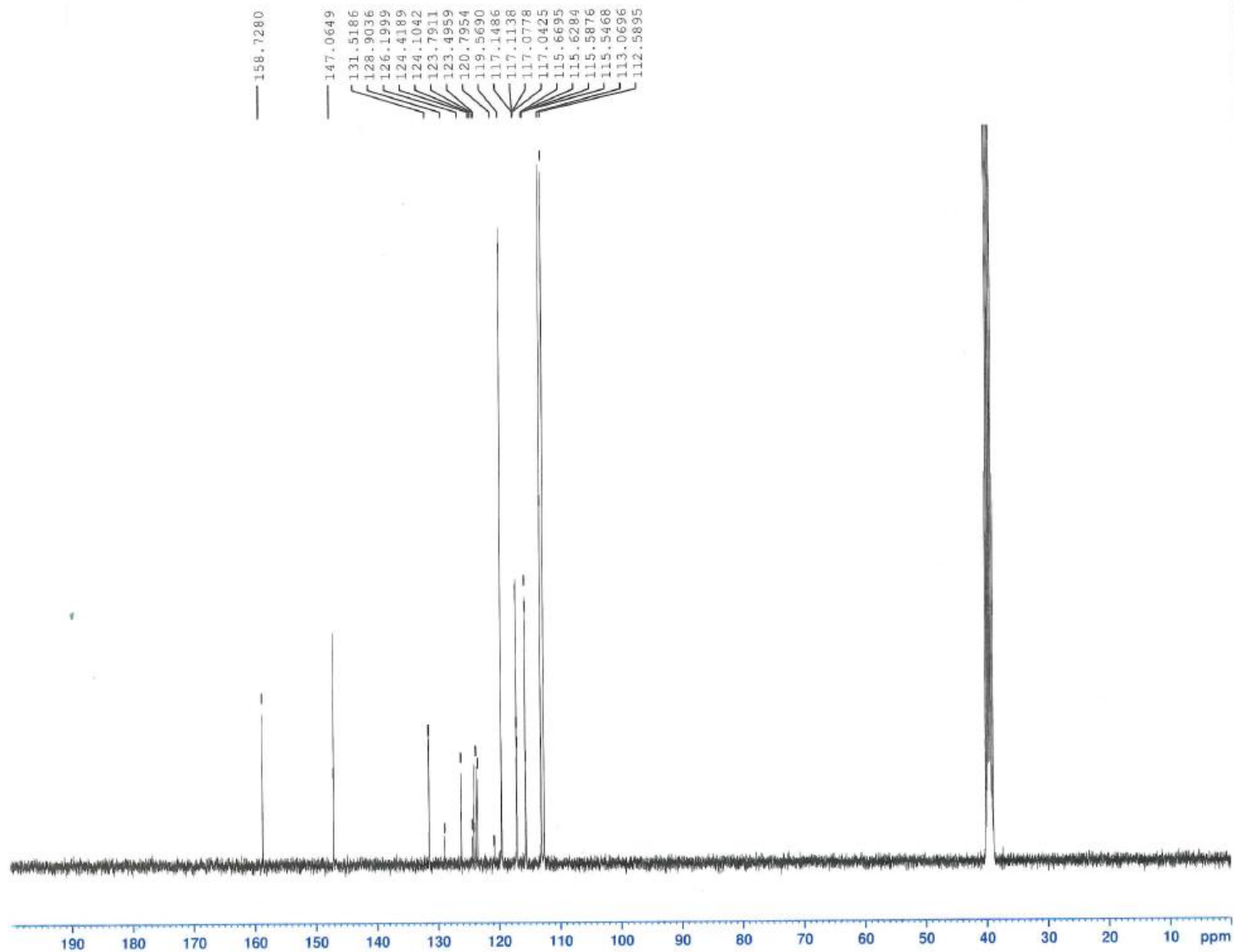
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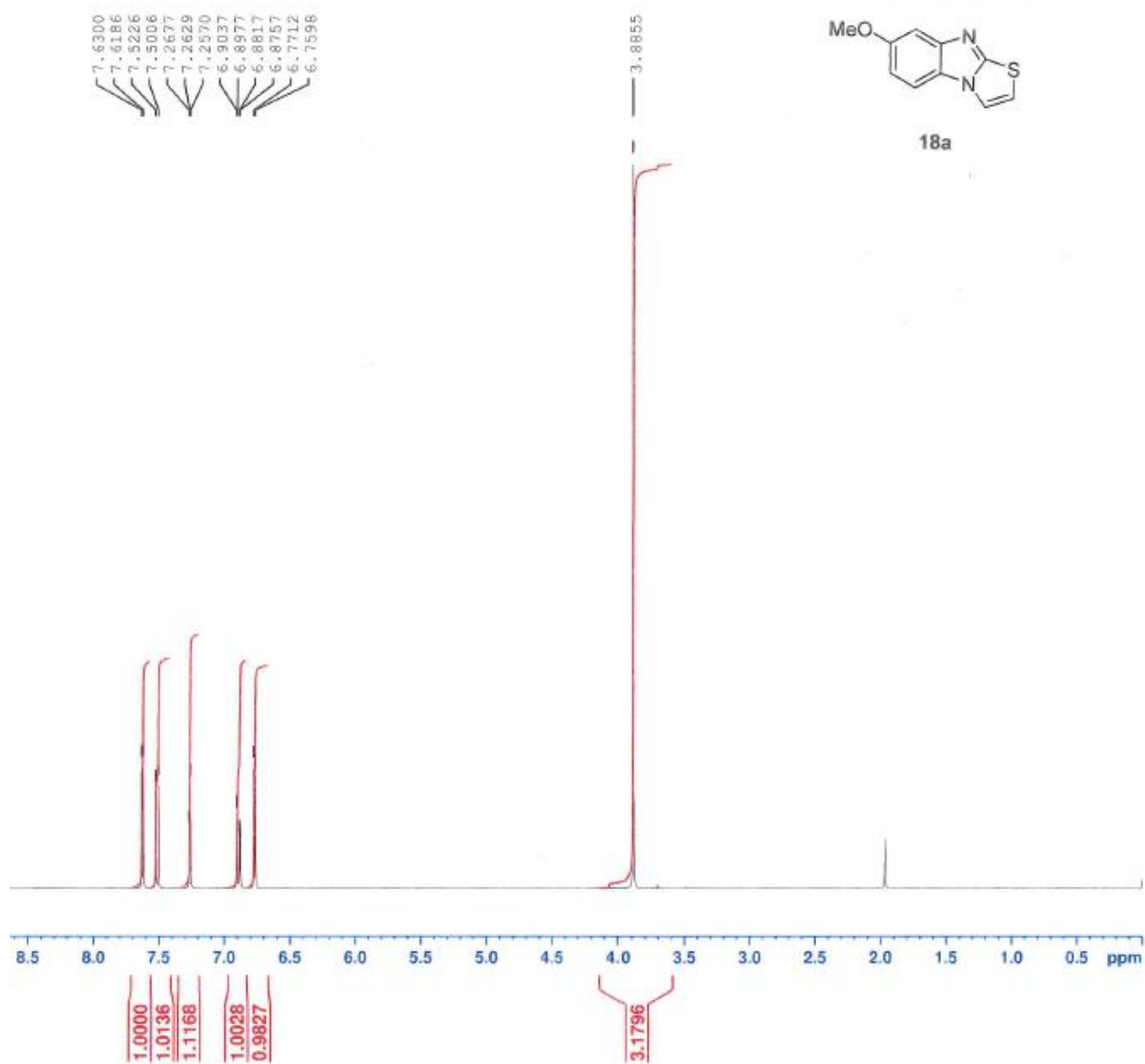


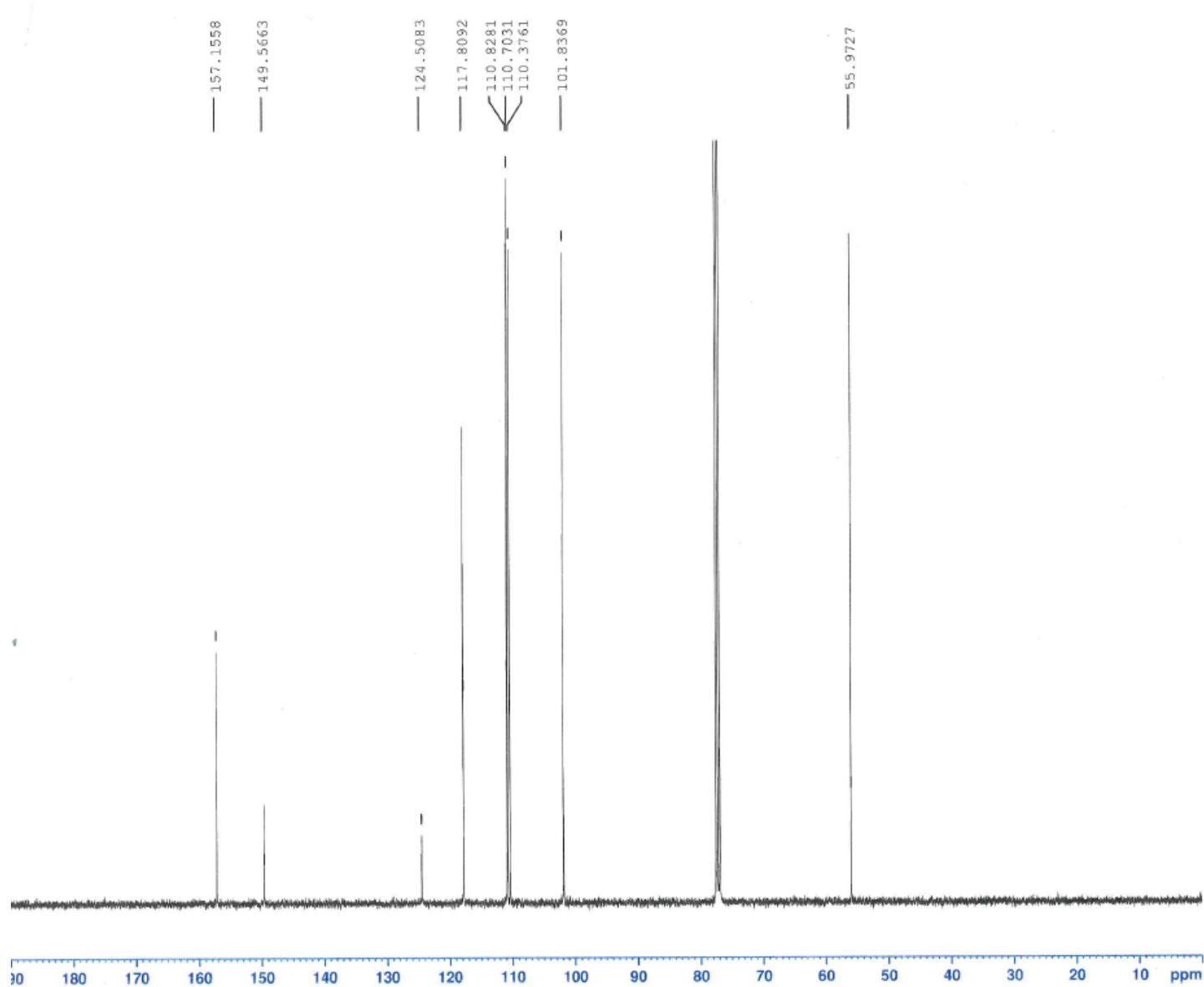
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Current Data Parameters
NAME      May29-2020
EXPNO    7
PROCNO   1

F2 - Acquisition Parameters
Date_    20200529
Time     14.43 h
INSTRUM  spect
PROBHD   zgpg30
PULPROG  zgpg30
TD        65536
SOLVENT  DMSO
NS        1412
DS        4
SWH       24038.461 Hz
FIDRES    0.733598 Hz
AQ         1.3631488 sec
RG         198.55
DN         20.800 usec
DE         6.50 usec
TE         298.1 K
D1         0.63999999 sec
D11        0.03000000 sec
TD0        1
SFO1      100.6228298 MHz
NUC1       13C
P1         10.00 usec
PLW1      48.1739979 W
SFO2      400.1316005 MHz
NUC2       1H
CPDPRG2   waltz16
PCPD2     90.00 usec
PLW2      13.18999981 W
PLW12     0.30142000 W
PLW13     0.15161000 W

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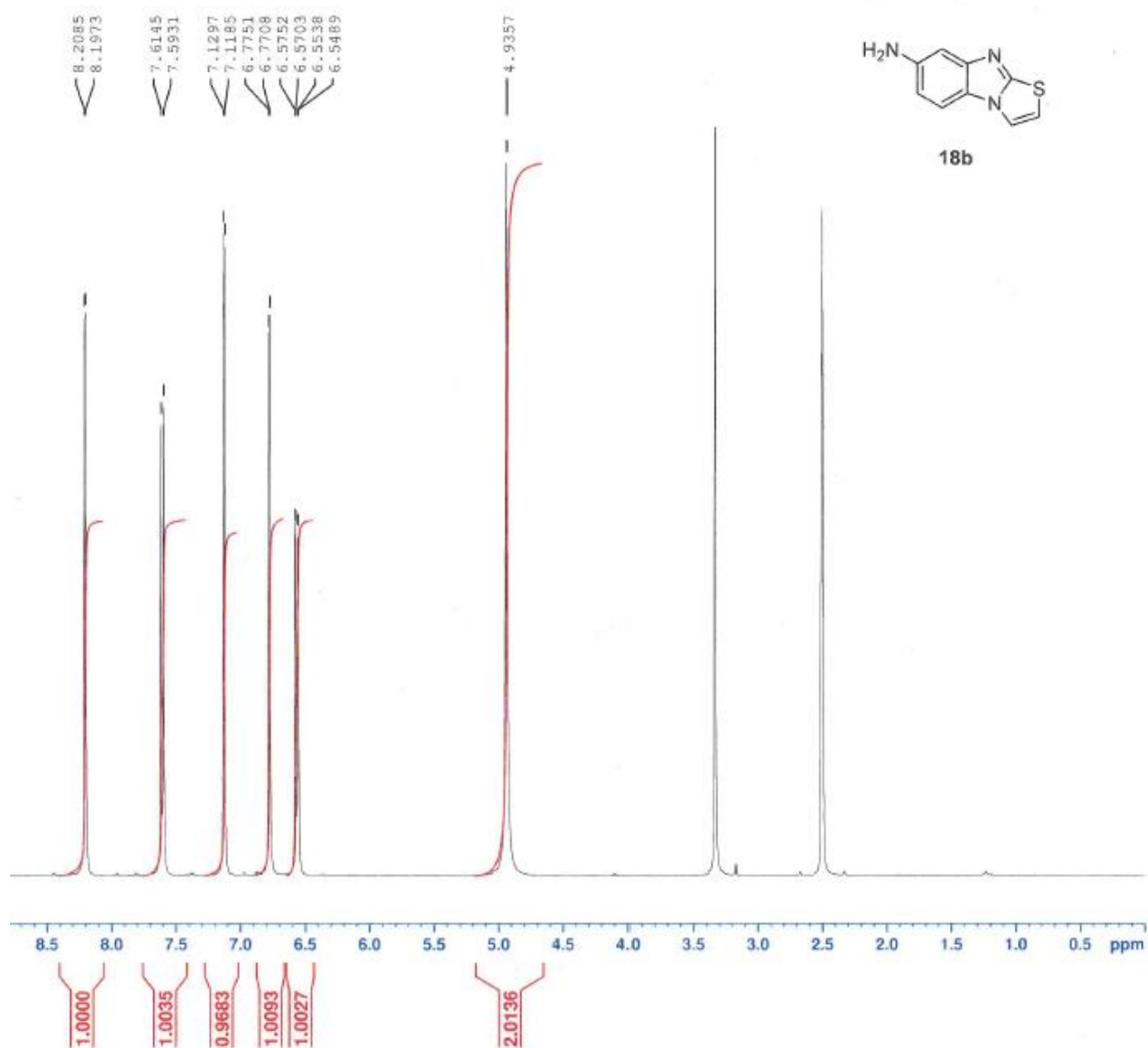


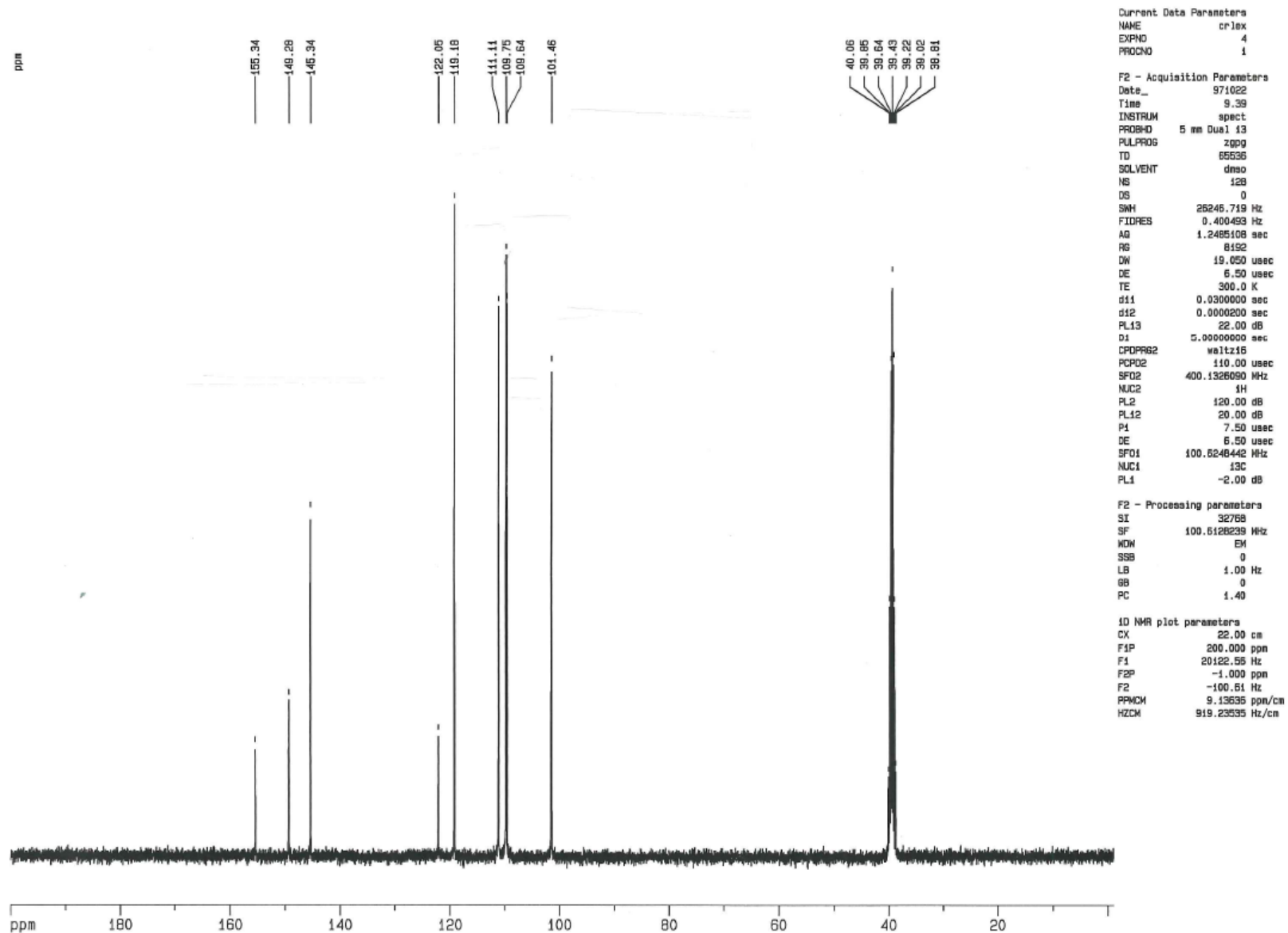


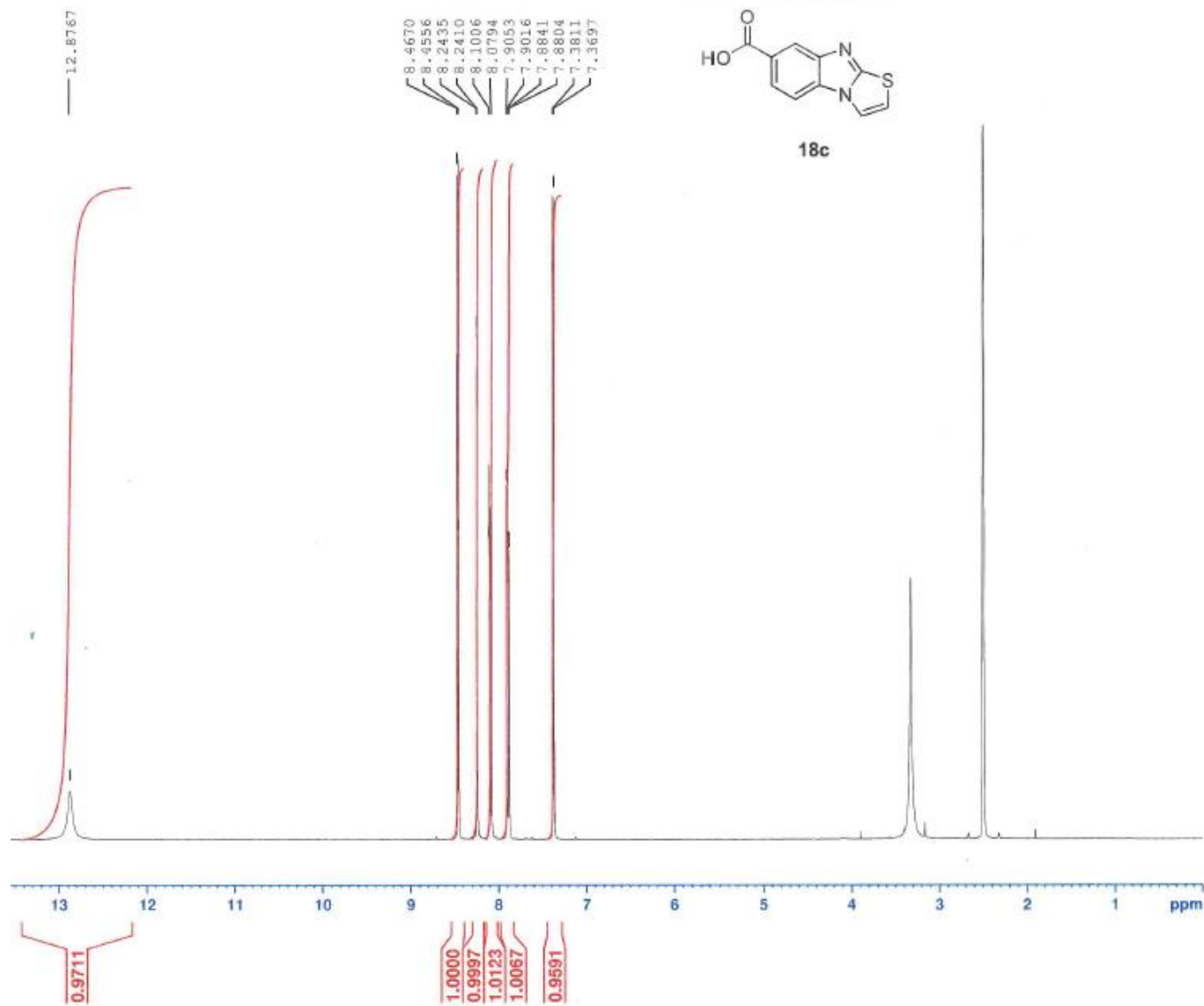
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EXPNO    22
PROCNO   1

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PROBHD   Z108618_0860 4
PULPROG  zgpg50
TD       65536
SOLVENT  CDCl3
NS       2000
DS       4
SMH      24038.461 Hz
FIDRES   0.733596 Hz
AQ       1.3631468 sec
RG       198.55
DW       20.800 usec
DE       6.50 usec
TE       298.0 K
D1       0.63999999 sec
D11      0.03000000 sec
TD0      1
SF01     100.6228298 MHz
NUC1     13C
P1       10.00 usec
PLW1     48.17399979 W
SF02     400.1316005 MHz
NUC2     1H
CPDPRG12 walz16
PCPD2    90.00 usec
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PLW12    0.30142000 W
PLW13    0.15161000 W

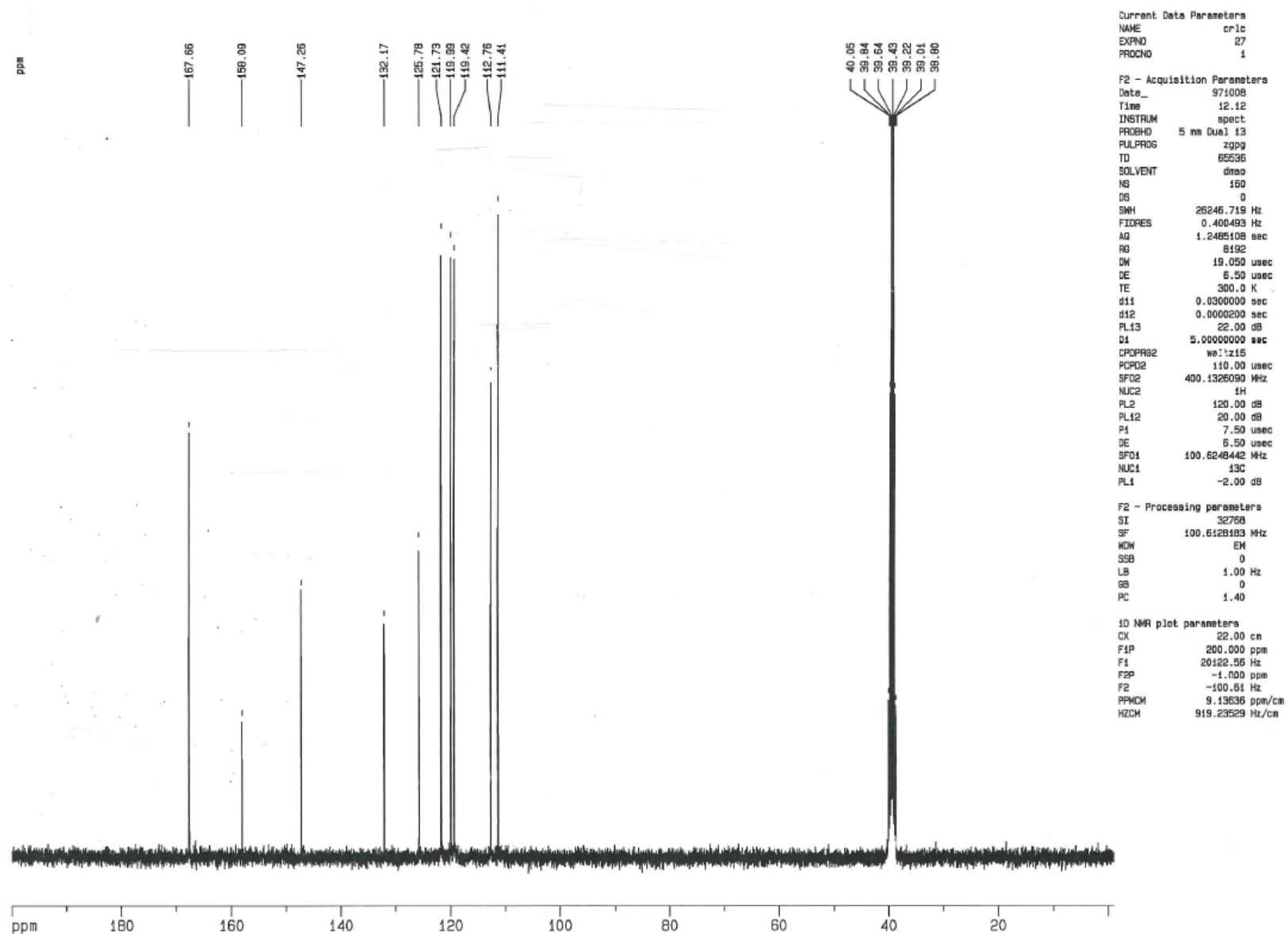
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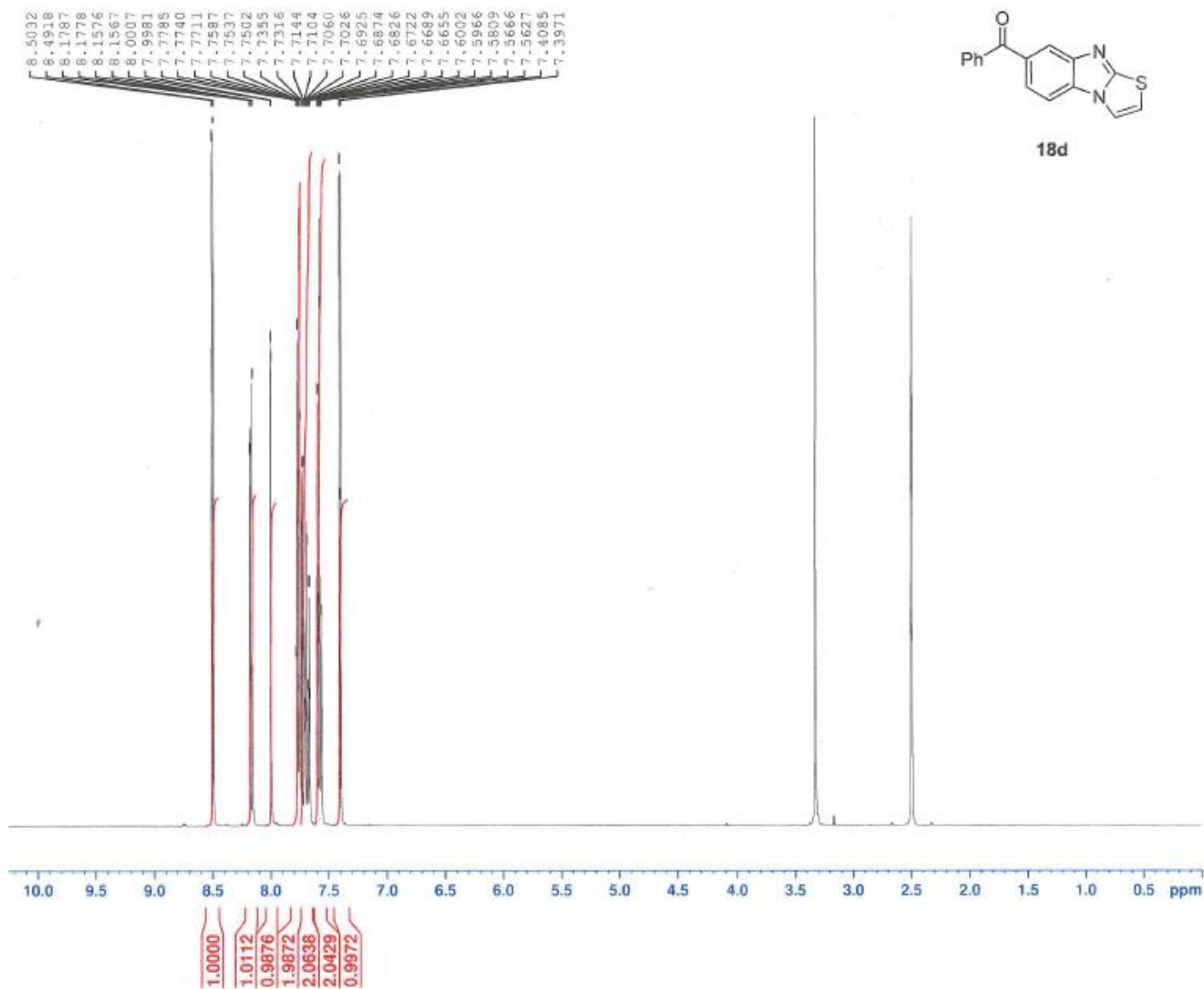


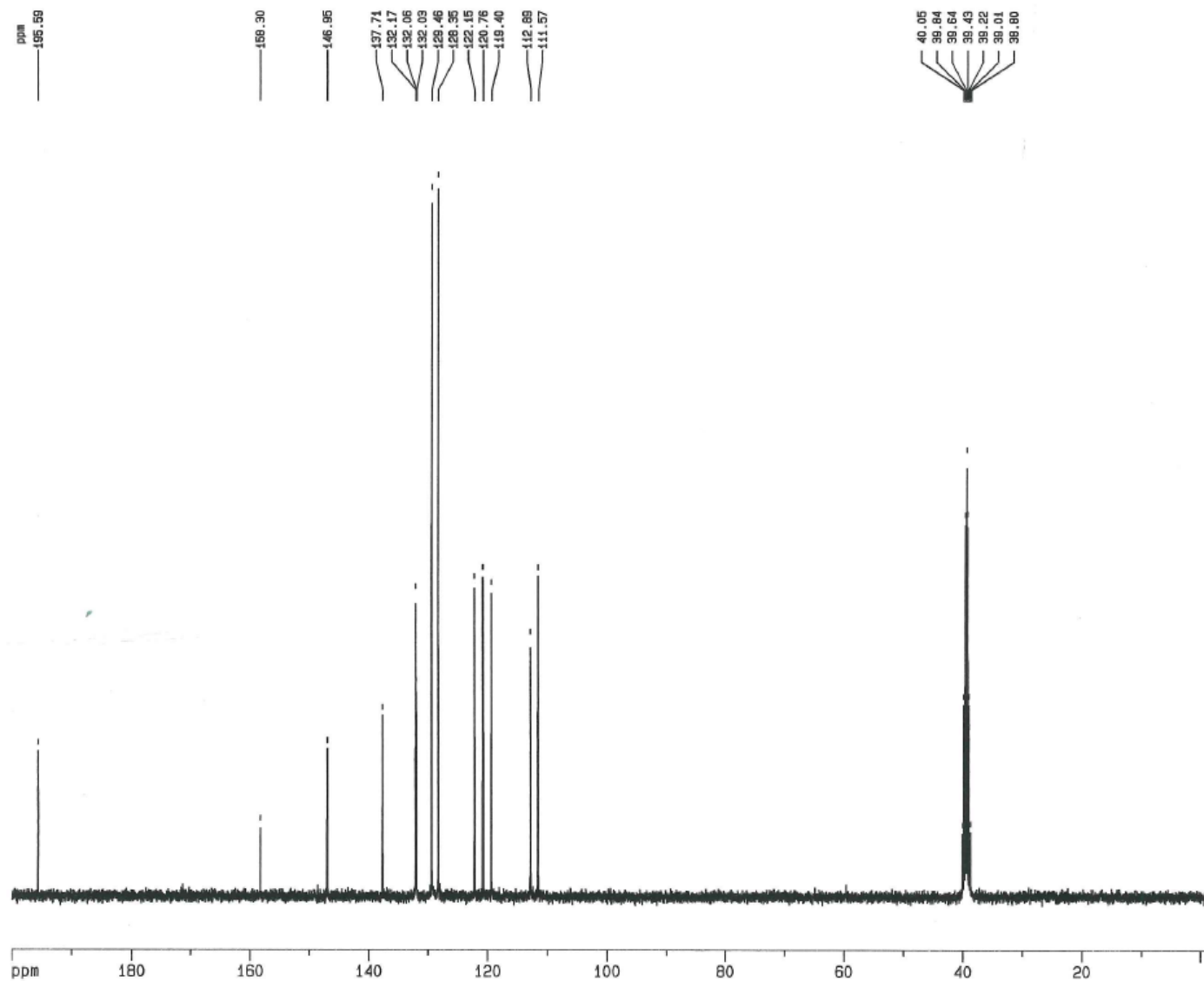










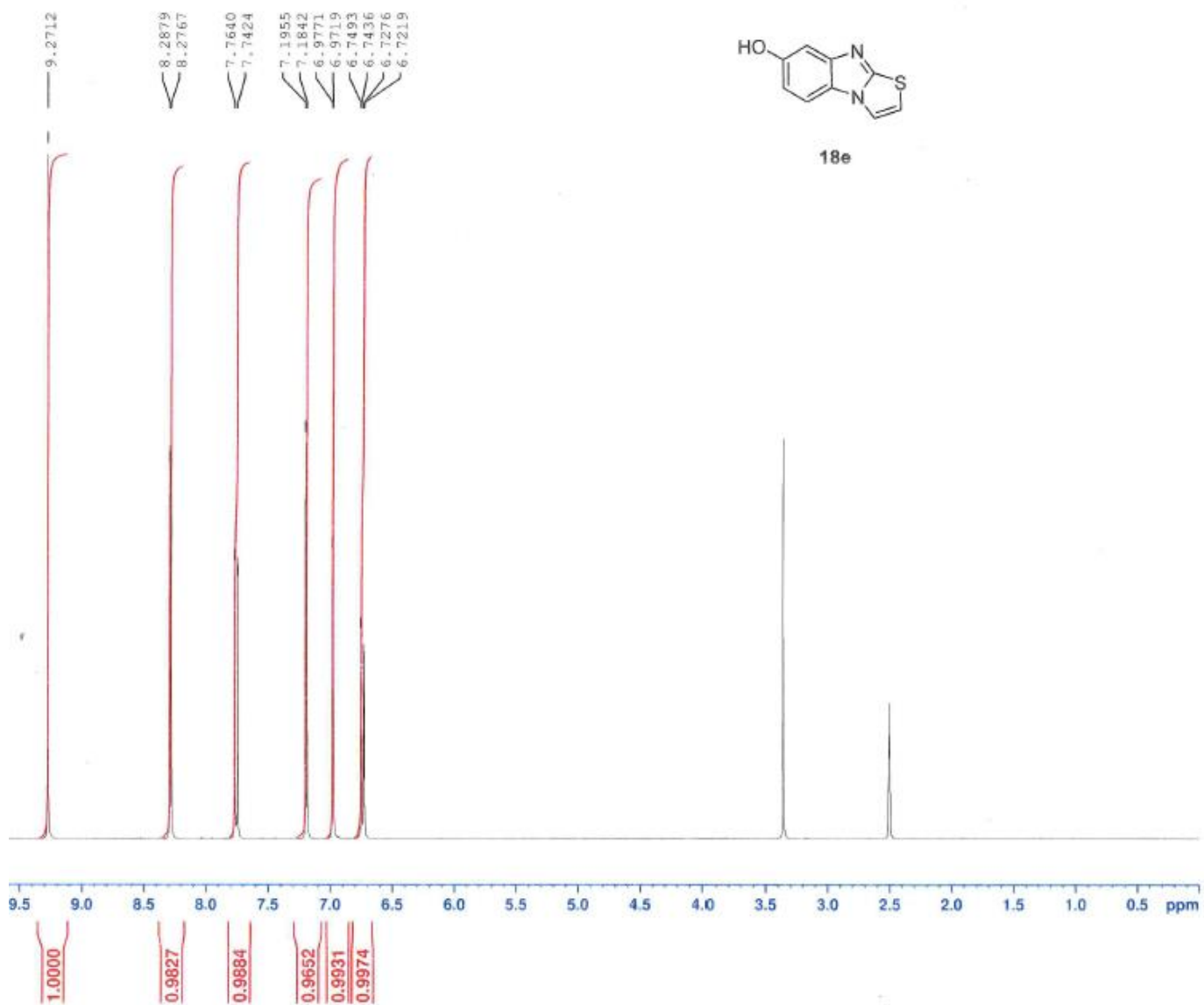


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 EXPNO 21  
 PROCNO 1

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 INSTRUM spect  
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 PULPROG zgpg  
 TD 65536  
 SOLVENT dmsd  
 NS 72  
 DS 0  
 SMH 26246.719 Hz  
 FIDRES 0.400493 Hz  
 AQ 1.2485108 sec  
 RG 6502  
 OW 19.050 usec  
 DE 6.50 usec  
 TE 300.0 K  
 d11 0.0300000 sec  
 d12 0.0000200 sec  
 PL13 22.00 dB  
 D1 5.0000000 sec  
 CPOPRG2 waltz16  
 PCPD2 110.00 usec  
 SFO2 400.1326090 MHz  
 NUC2 13C  
 PL2 120.00 dB  
 PL12 20.00 dB  
 P1 7.50 usec  
 DE 6.50 usec  
 SFO1 100.6248442 MHz  
 NUC1 13C  
 PL1 -2.00 dB

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 GB 0  
 PC 1.40

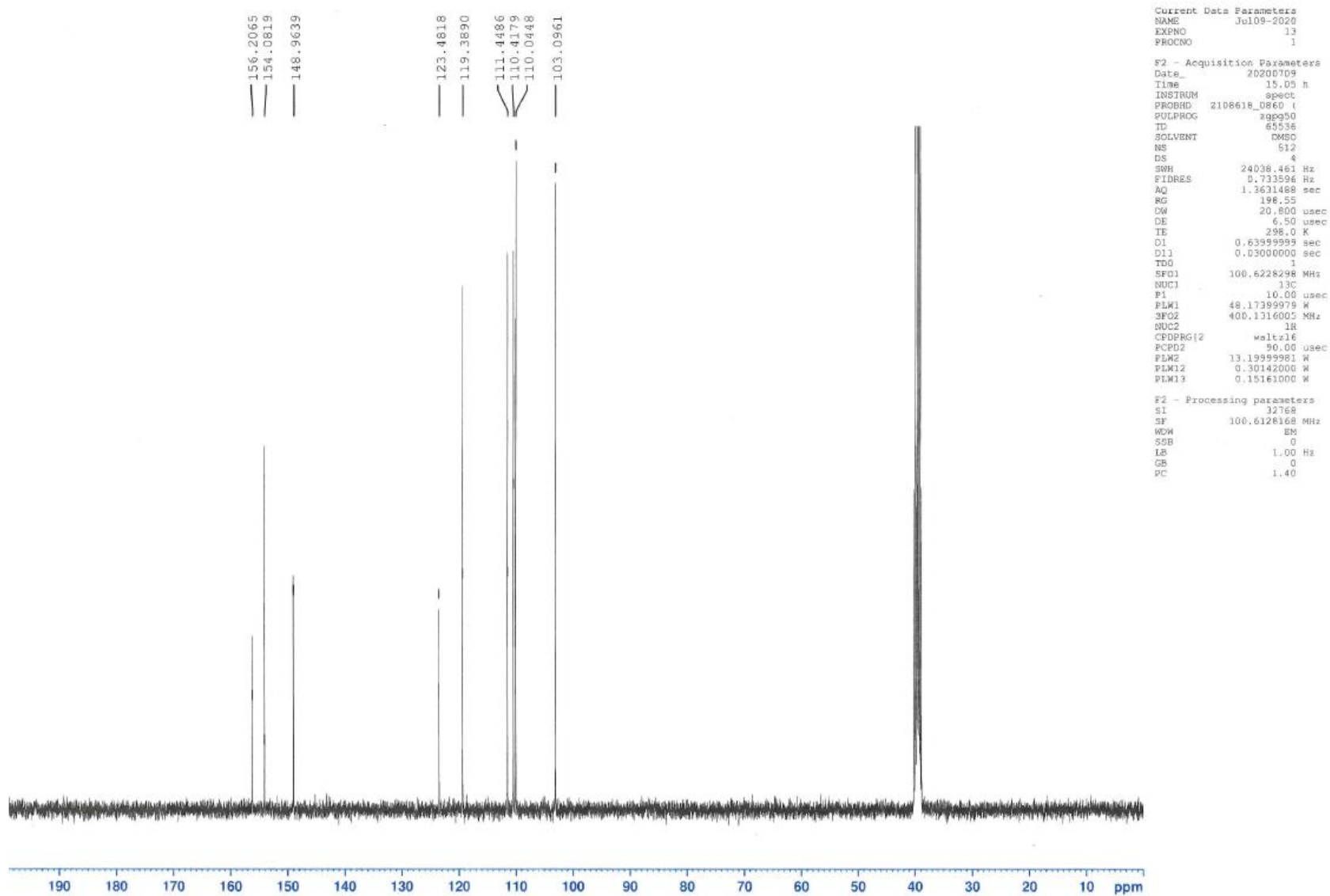
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 CX 22.00 cm  
 F1P 200.000 ppm  
 F1 20122.56 Hz  
 F2P -1.000 ppm  
 F2 -100.61 Hz  
 PPMCH 9.13636 ppm/cm  
 HZCM 919.23636 Hz/cm

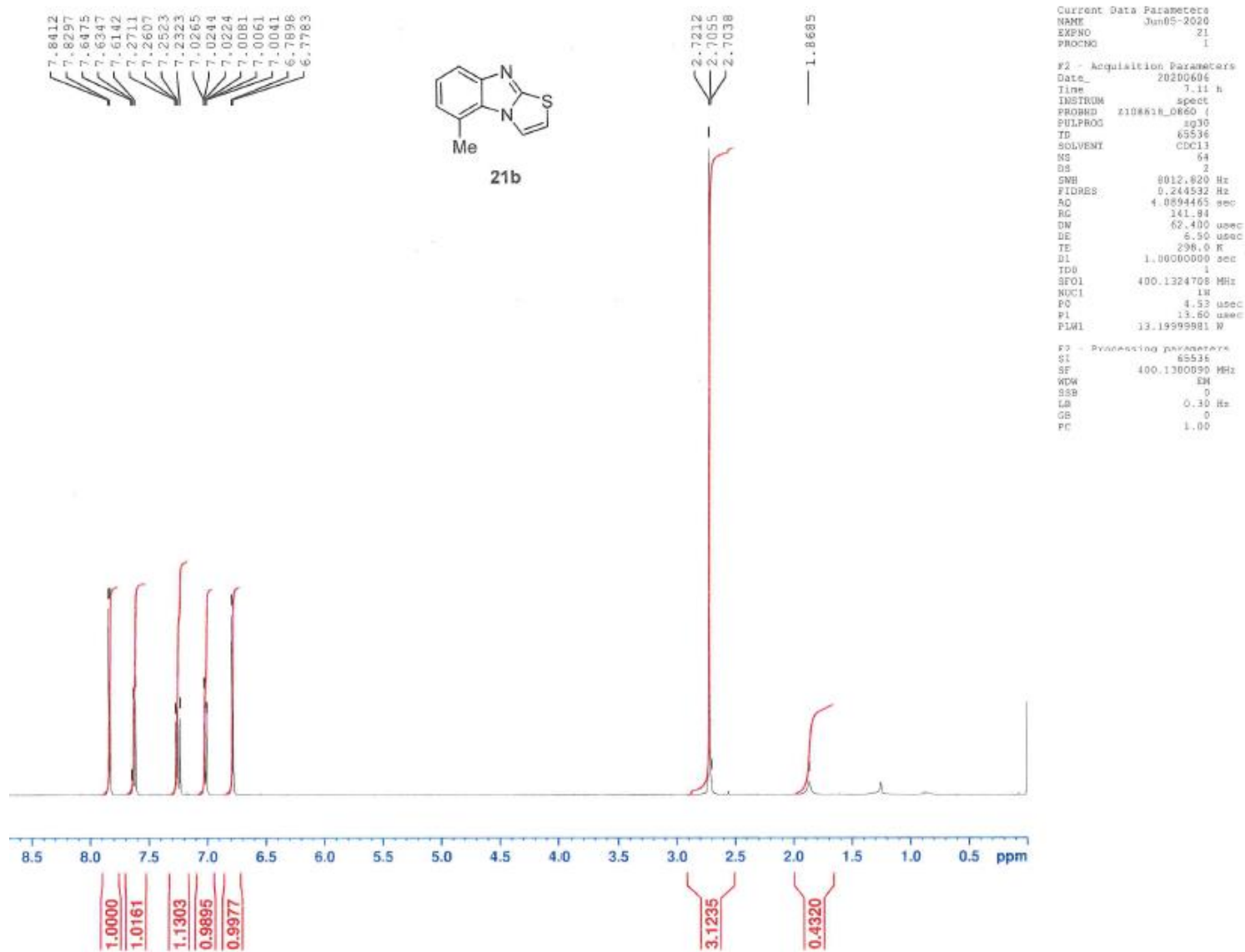


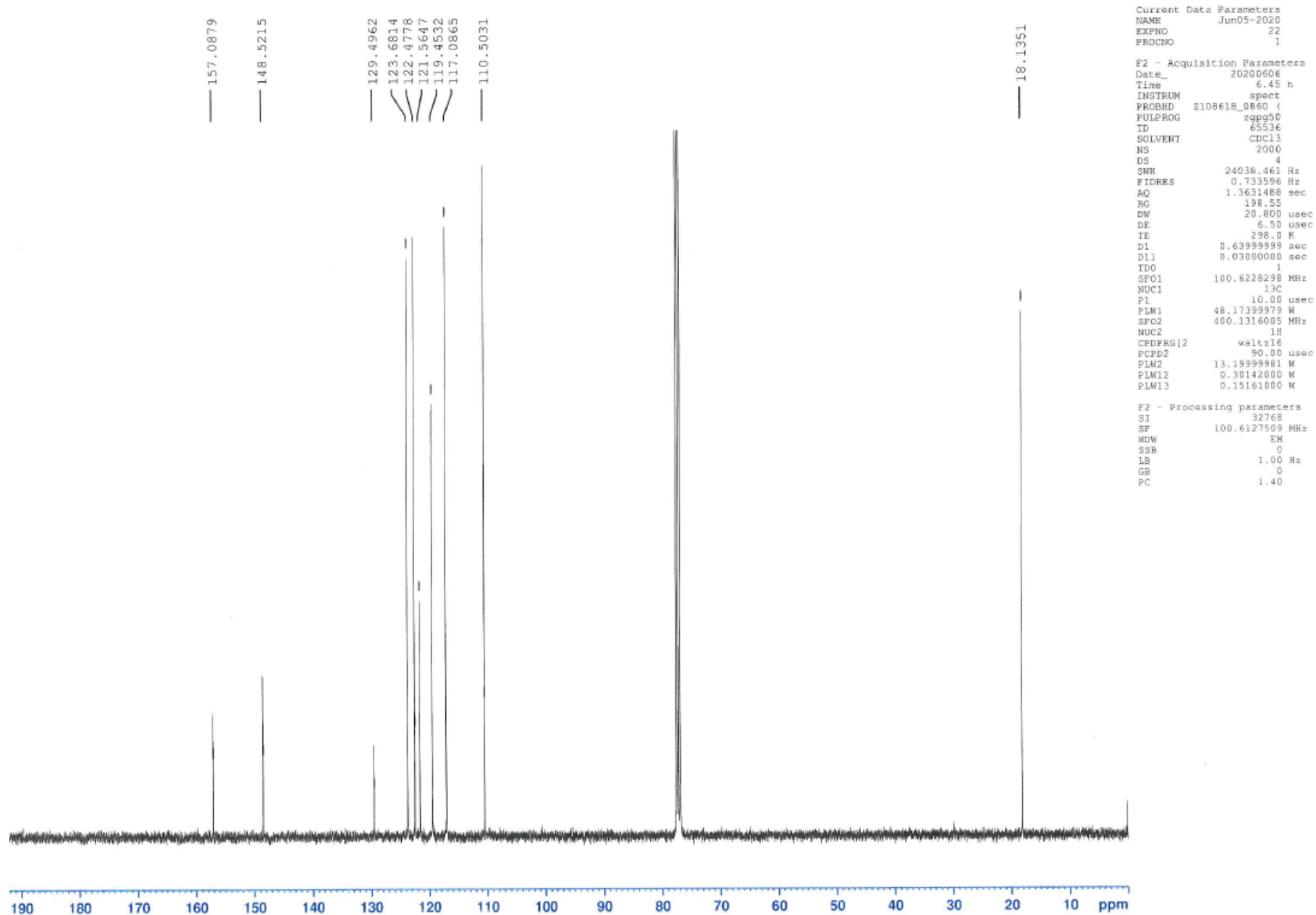
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NAME Jul09-2020  
EXPNO 12  
PROCNO 1

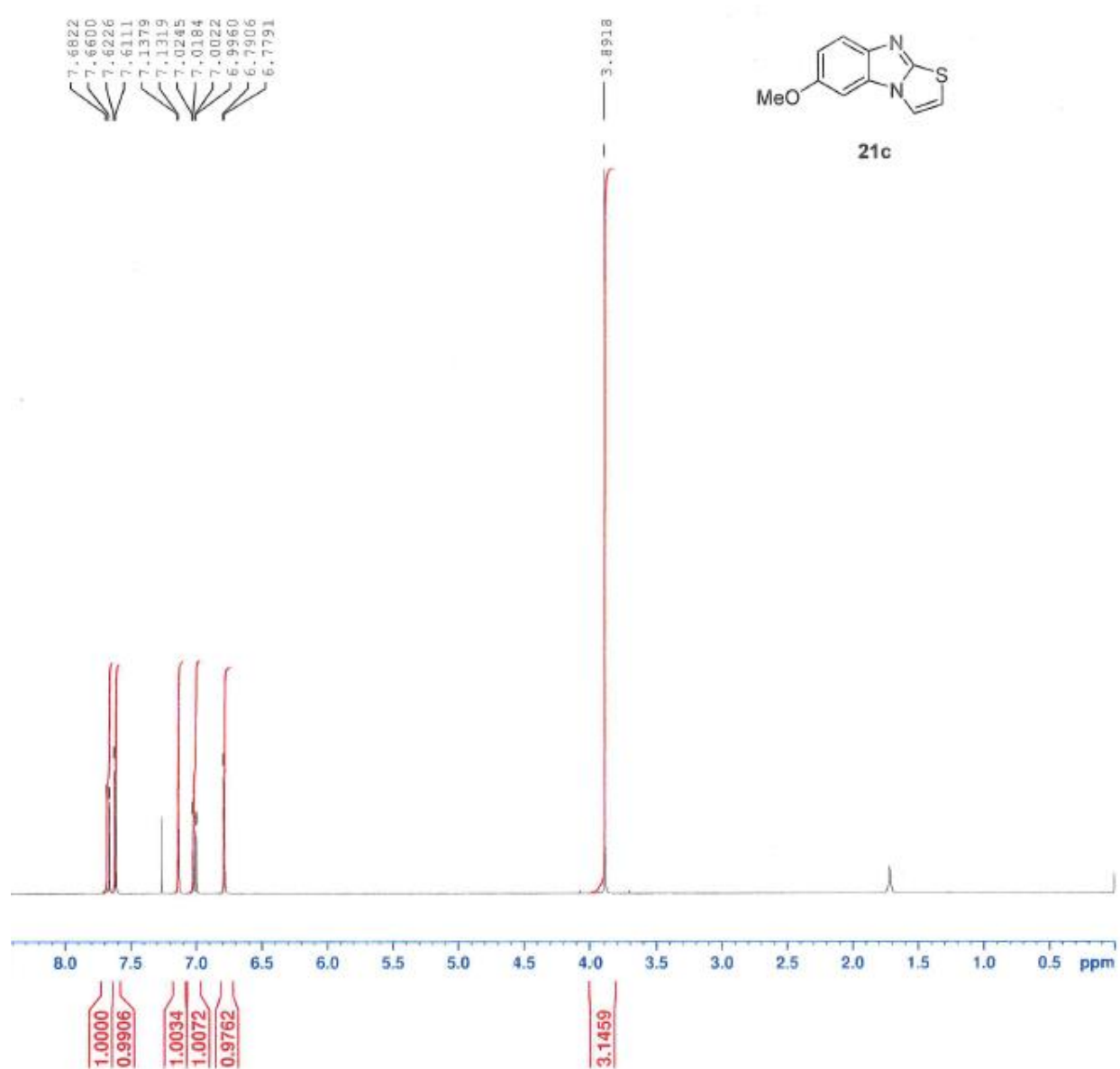
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PULPROG zg30  
ID 65516  
SOLVENT DMSO  
NS 64  
DS 2  
SWH 8012.820 Hz  
FIDRES 0.244532 Hz  
AQ 4.0894465 sec  
RG 141.84  
DN 62.400 usec  
DE 6.50 usec  
TE 296.0 K  
D1 1.00000000 sec  
TD0 1  
SFO1 400.1324708 MHz  
NDC1 18  
PC 4.53 usec  
F1 13.60 usec  
P1M1 13.19999981 W

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WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00







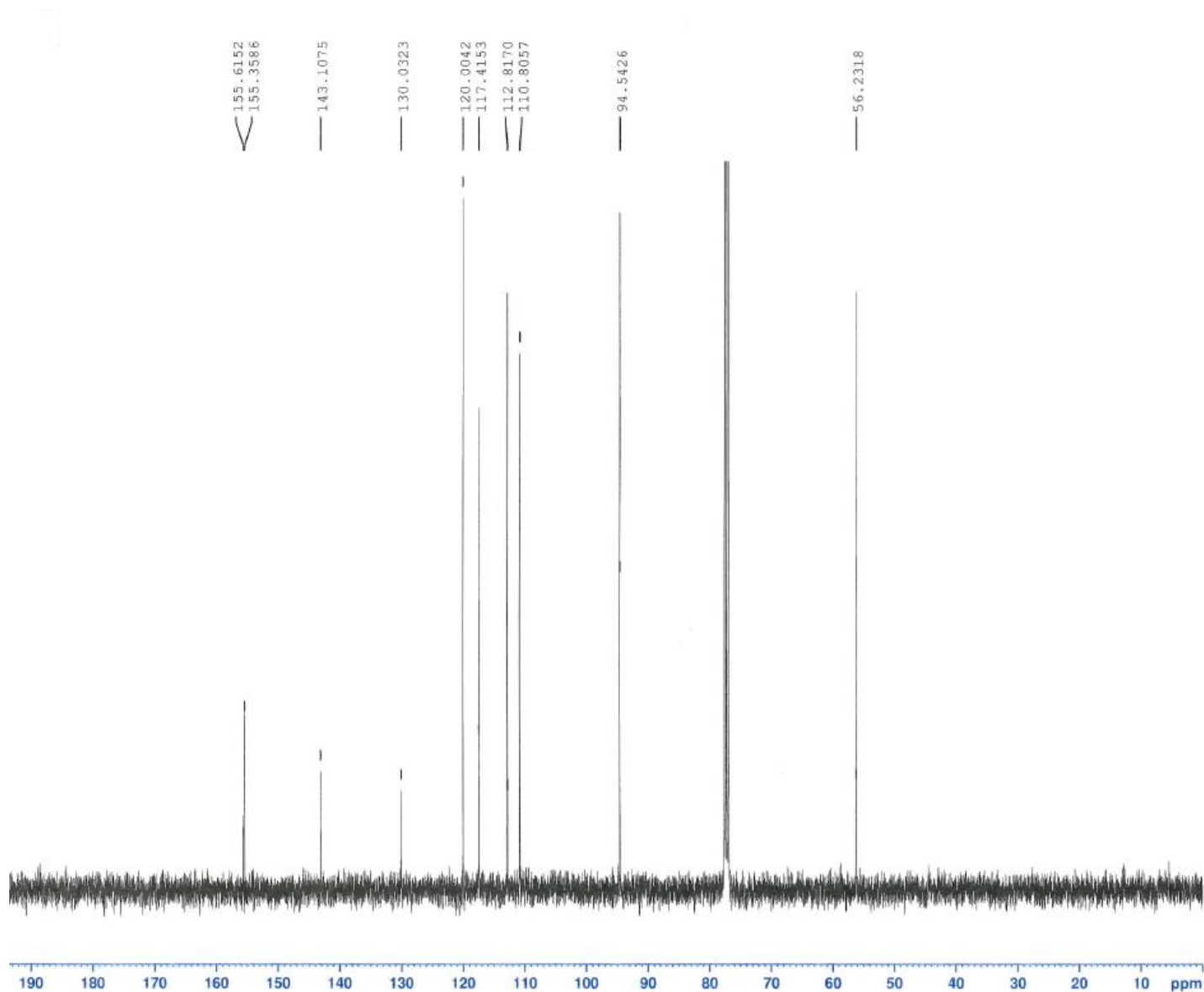


Current Data Parameters  
NAME Jun23-2020  
EXPNO 13  
PROCNO 1

F2 - Acquisition Parameters  
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Time 14.07 h  
INSTRUM spect  
PROBHD z106618\_0R60 (1  
PULPROG zg30  
ID 65536  
SOLVENT CDCl3  
NS 64  
DS 2  
SWH 8012.820 Hz  
FIDRES 0.244532 Hz  
AQ 4.0894465 sec  
RG 198.55  
DM 62.400 usec  
DE 6.50 usec  
TE 296.0 K  
D1 1.0000000 sec  
TD0 1  
SFO1 400.1324708 MHz  
NUC1 1H  
P0 4.53 usec  
P1 13.60 usec  
PLW1 13.19999981 W

F2 - Processing parameters  
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SF 400.1300081 MHz  
WDW EM  
SSB 0  
LR 0.10 Hz  
GB 0  
PC 1.00



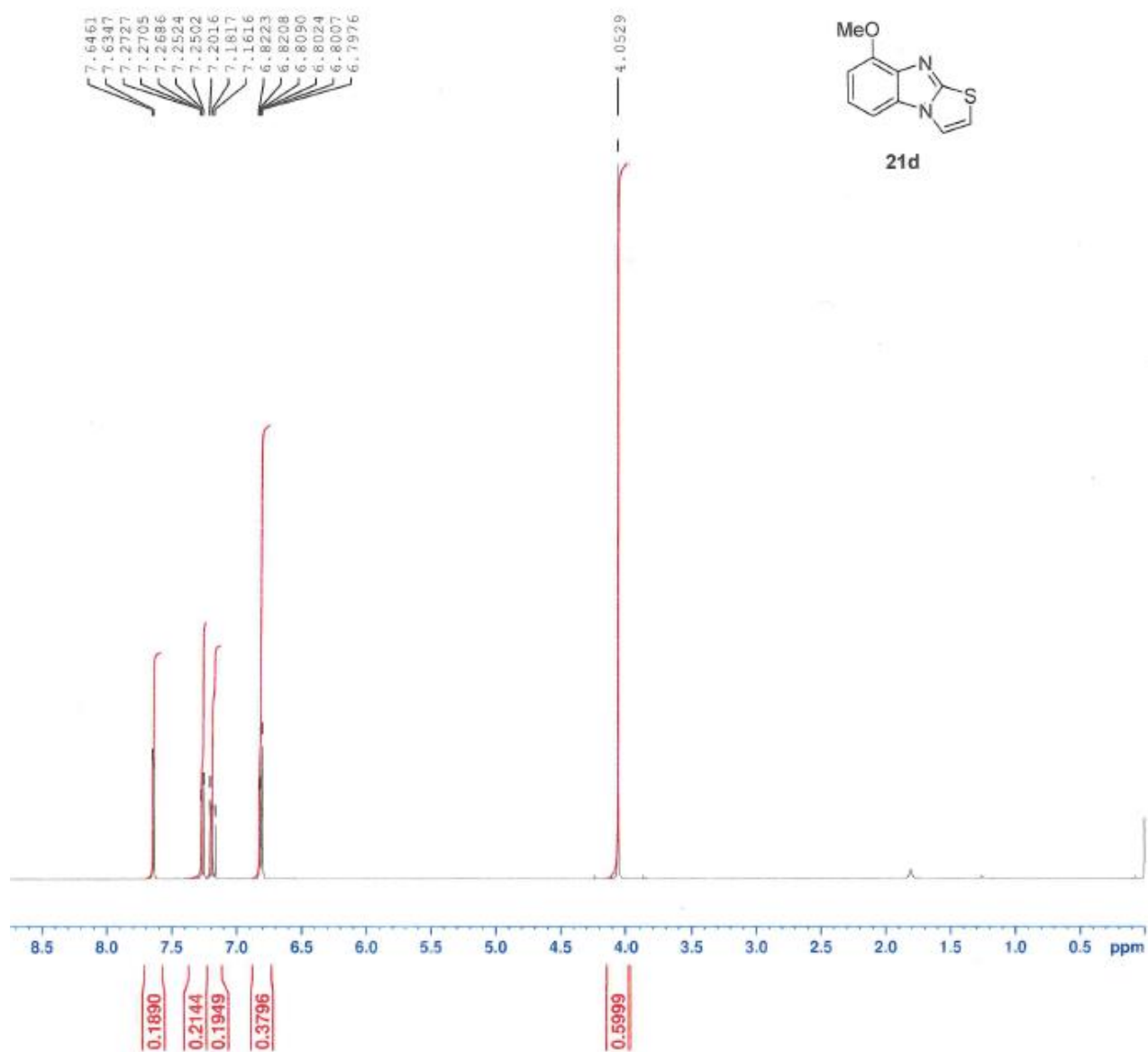


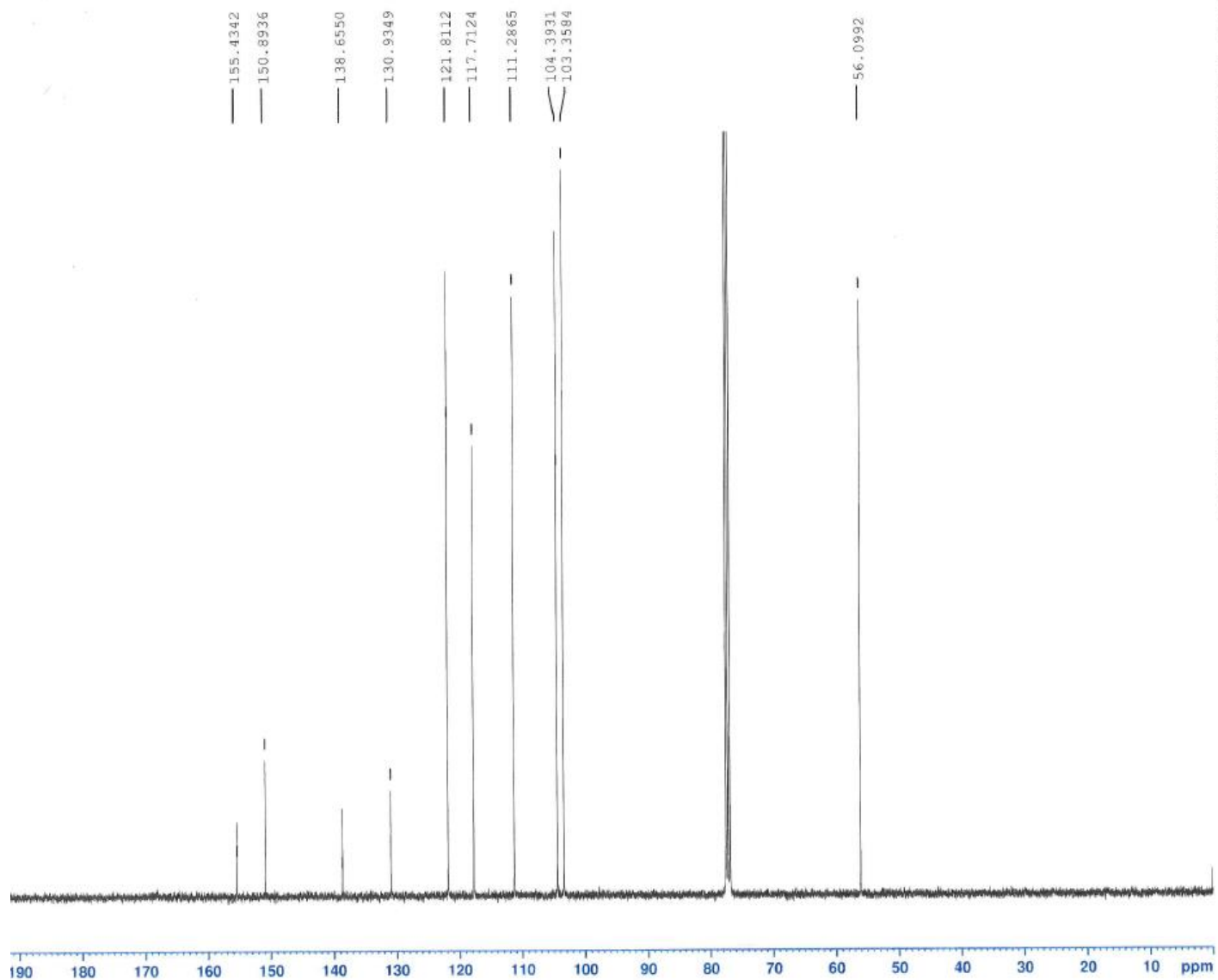
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EXPNO    14
PROCNO   1

F2 - Acquisition Parameters
Date_    20200523
Time     14.32 h
INSTRUM  spect
PROBHD   z108618_0860 (
PULPRDG  zgpg50
TD       65536
SOLVENT  CDCl3
NS       700
DS       4
SWH      24038.461 Hz
FIDRES   0.733596 Hz
AQ       1.3631488 sec
RG       198.55
DA       20.800 usec
DE       6.50 usec
TE       298.0 K
D1       0.63999999 sec
D11      0.03000000 sec
TD0      1
SFO1     100.6228298 MHz
NUC1     13C
P1       10.00 usec
PLW1     48.17399979 W
SFO2     400.1316005 MHz
NUC2     1H
CPDPRG12 waltz16
PCPD2    90.00 usec
PLW2     13.19999981 W
PLW12    0.30142000 W
PLW13    0.15161000 W

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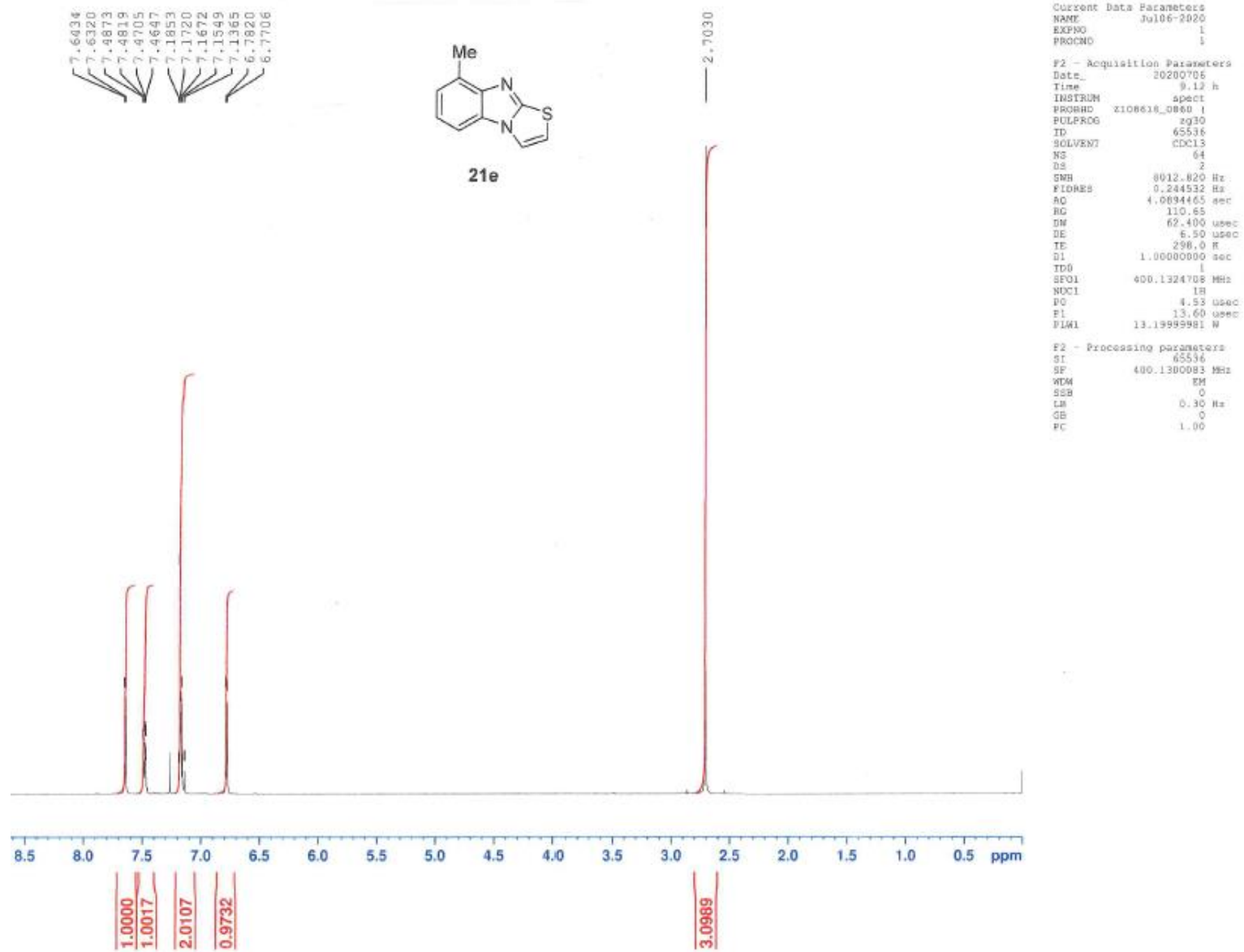


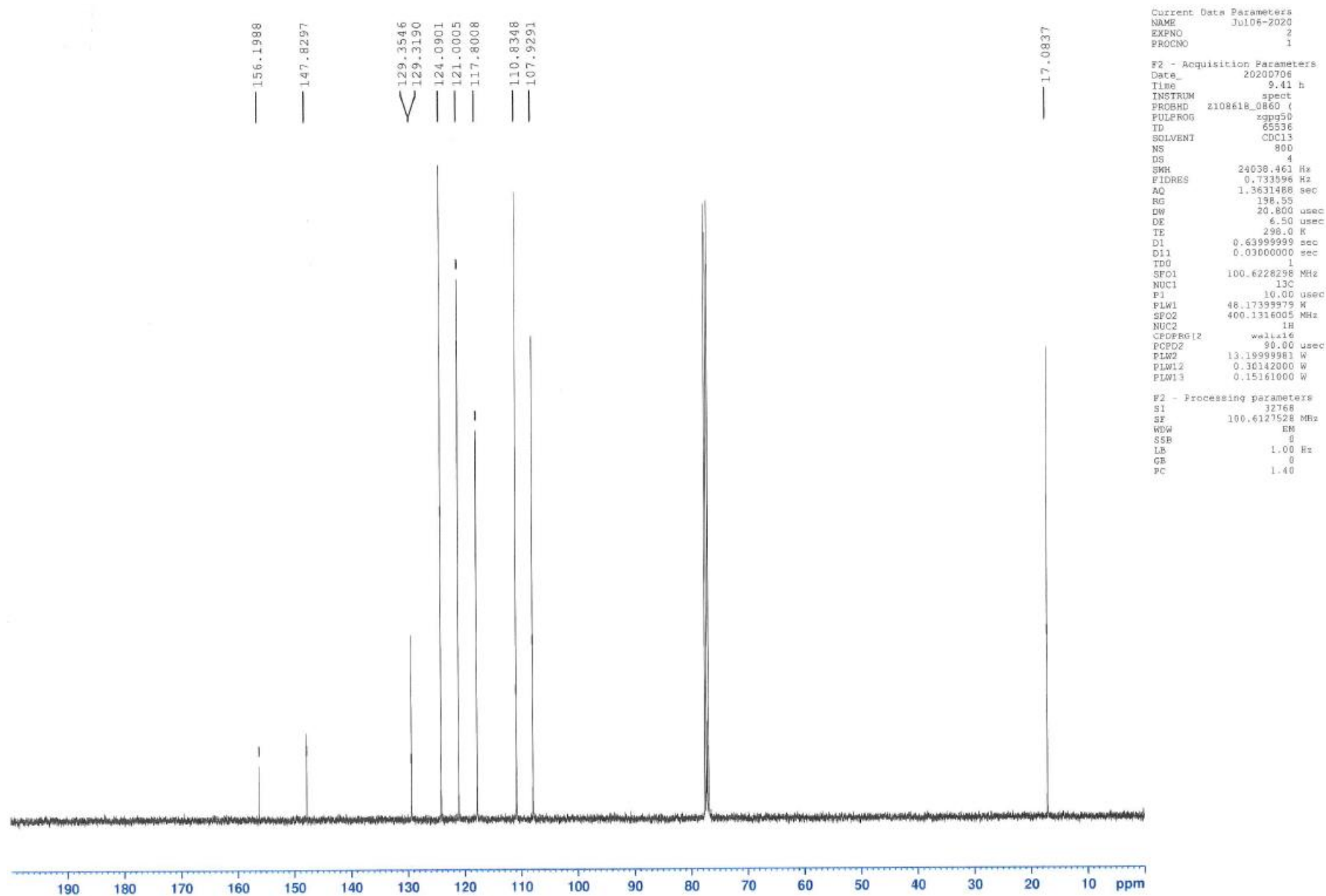


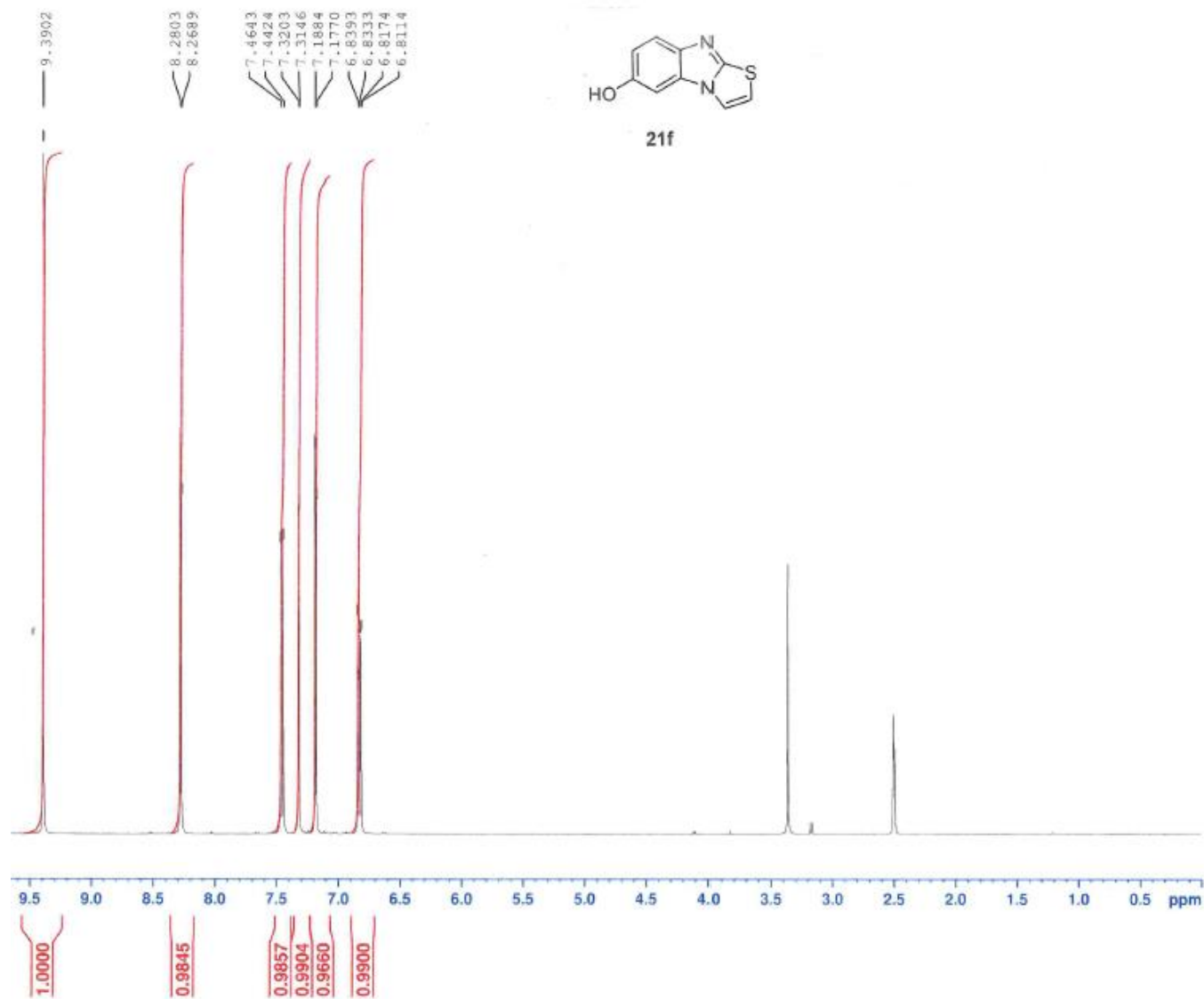
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PROCNO   1

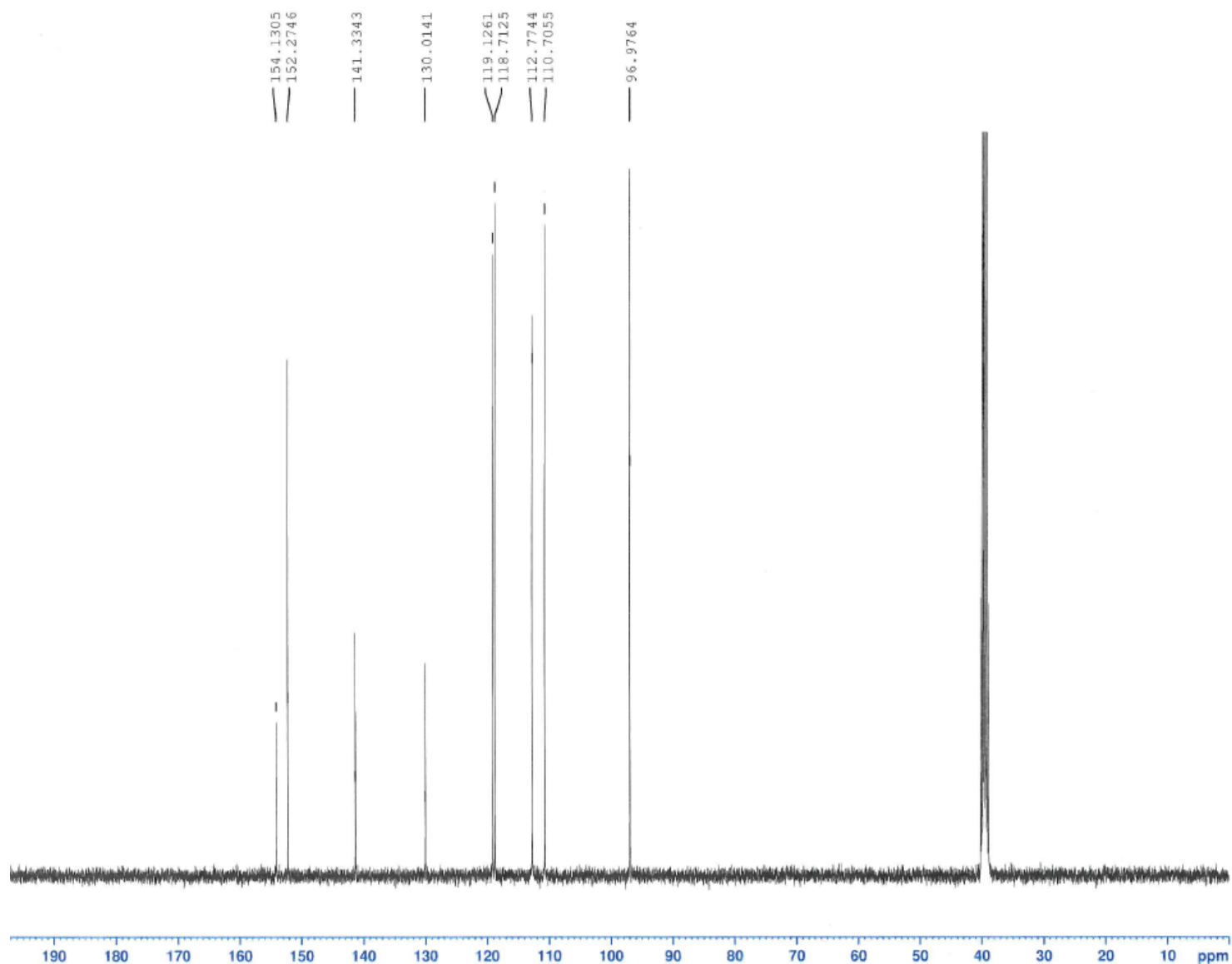
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Time     12.37 h
INSTRUM  spect
PROBHD   210661H_0860 1
PULPROG  zgpg50
TD       65536
SOLVENT  CDCl3
NS       2000
DS       4
SWH      24038.461 Hz
FIDRES   0.711596 Hz
AQ       1.3631488 sec
RG       198.55
DW       20.800 usec
DE       6.50 usec
TE       298.0 K
D1       0.6399999 sec
D11      0.0300000 sec
TD0      1
SFO1     100.6228298 MHz
NUC1     13C
P1       10.00 usec
PLW1     48.17399979 W
SFO2     400.1316005 MHz
NUC2     1H
CPDPRG2  waltz16
PCPD2    90.00 usec
PLW2     13.19999981 W
PLW12    0.3042000 W
PLW13    0.1516100 W

F2 - Processing parameters
SI       32768
SF       100.6127523 MHz
WDW      EM
SSB      0
LB       1.00 Hz
GB       0
PC       1.40
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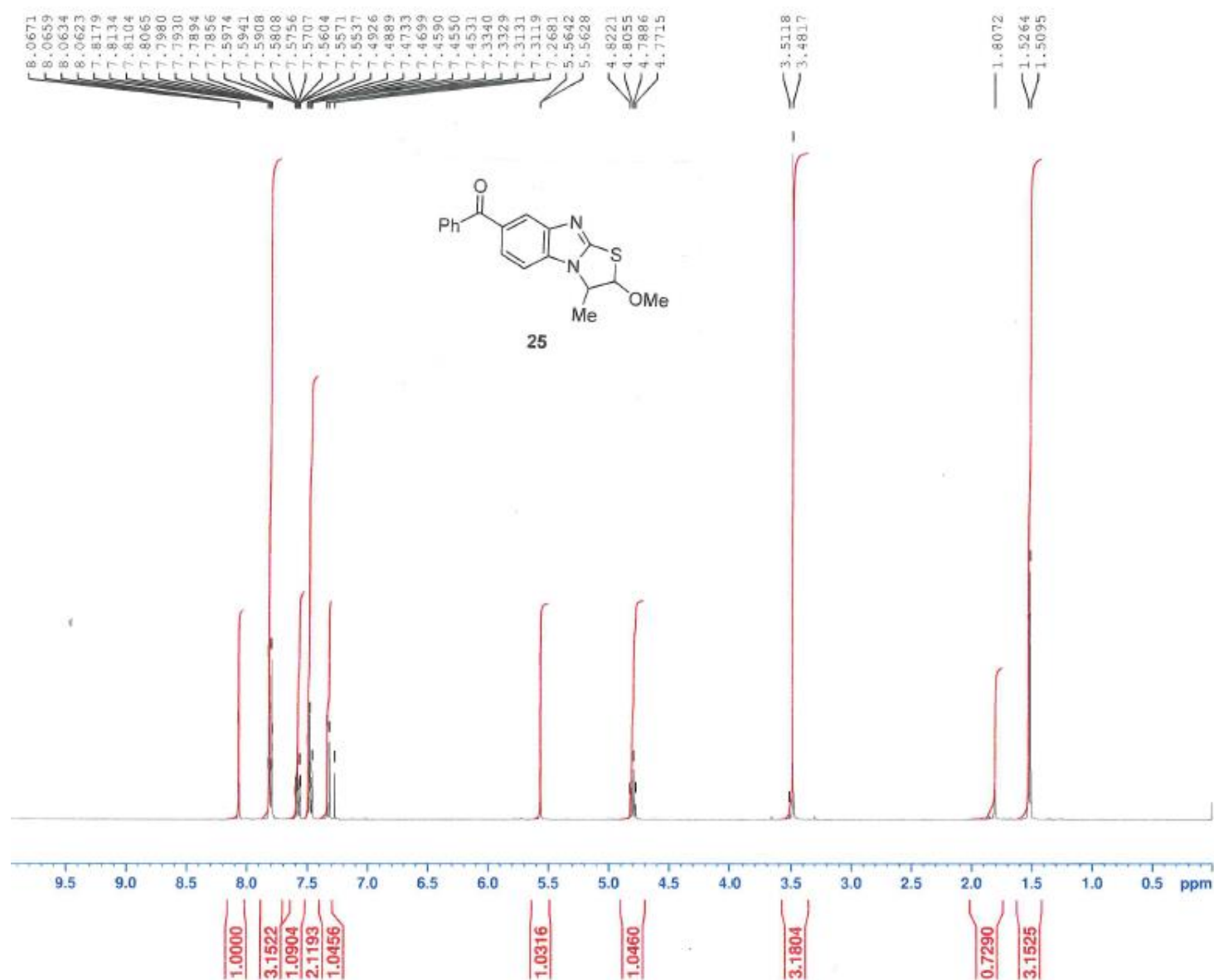




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Current Data Parameters
NAME      Jul09-2020
EXPNO     9
PROCNO    1

F2 - Acquisition Parameters
Date_     20200709
Time      14.05 h
INSTRUM   spect
PROBHD    Z108618_0860 4
PULPROG   zgpg50
TD         65536
SOLVENT   DMSO
NS         514
DS         4
SWH        24036.461 Hz
FIDRES     0.733596 Hz
AQ         1.3631488 sec
RG         198.55
DM         20.800 usec
DE         6.50 usec
TE         298.0 K
D1         0.63999999 sec
D11        0.03000000 sec
TDO        1
SFO1       100.6228298 MHz
NUC1       13C
P1         10.00 usec
PLW1       48.17399979 W
SFO2       400.1316005 MHz
NUC2       1H
CPDPRG12   waltz16
PCPD2      90.00 usec
PLW2       13.19999981 W
PLW12      0.30142000 W
PLW13      0.15161000 W

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SSB        0
LB         1.00 Hz
GB         0
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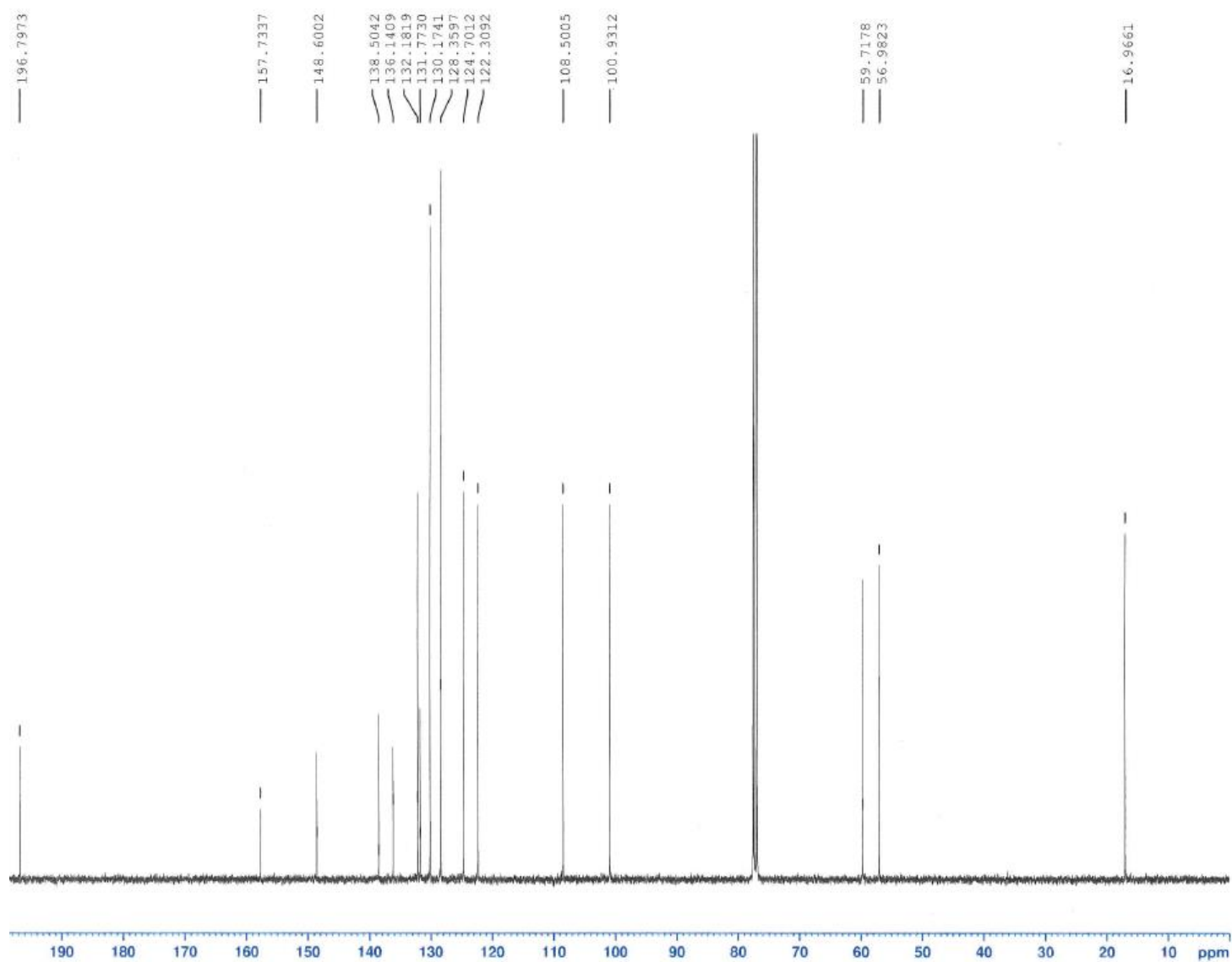


Current Data Parameters  
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 EXPNO 1  
 PROCNO 1

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 Time 10.02 h  
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 PROBRD E108618\_0860 ( )  
 PULPROG zg30  
 TD 65536  
 FIDRES 0.244532 Hz  
 AQ 4.0894465 sec  
 RG 110.65  
 DW 62.400 usec  
 DE 6.50 usec  
 TE 298.2 K  
 D1 1.00000000 sec  
 TD0 1  
 SFO1 400.1324708 MHz  
 NUC1 1H  
 PU 4.53 usec  
 PI 13.60 usec  
 PLW 13.19999981 W

F2 - Processing parameters  
 SI 65536  
 SF 400.1300060 MHz  
 MDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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Current Data Parameters
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EXPNO    4
PROCNO   1

F2 - Acquisition Parameters
Date_    20200623
Time     10.52 h
INSTRUM  spect
PROBHD   2106618_0860 i
PULPROG  zgpg30
TD       45536
SOLVENT  CDCl3
NS       1161
DS       4
SWH      24038.461 Hz
FIDRES   0.733596 Hz
AQ       1.3631488 sec
RG       398.55
DW       20.800 usec
DE       6.50 usec
TE       298.0 K
D1       0.63999999 sec
D11      0.03000000 sec
TD0      1
SFO1     100.6228298 MHz
NUC1     13C
P1       10.00 usec
PLW1    48.17399979 W
SFO2     400.1316005 MHz
NUC2     1H
PCPDZ    waitz16
PCPDZ   90.00 usec
PLW2    13.19999981 W
PLW3    0.30142000 W
PLW4    0.15161000 W

F2 - Processing parameters
SI       32768
SF       100.6127515 MHz
WDW      EM
SSB      0
LB       1.00 Hz
GB       0
PC       1.40
    
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