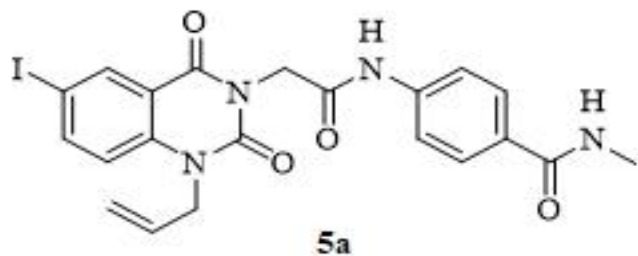
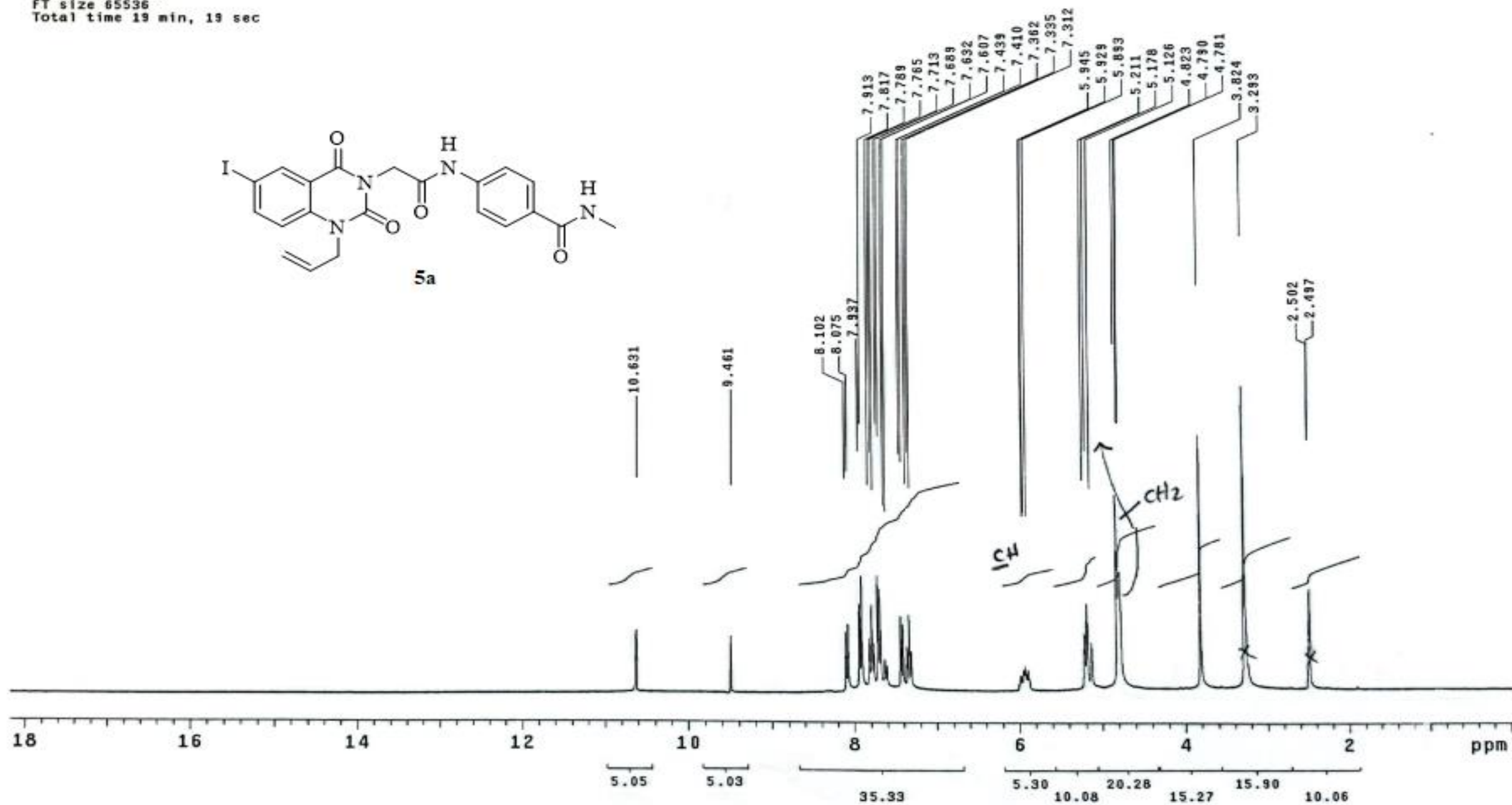


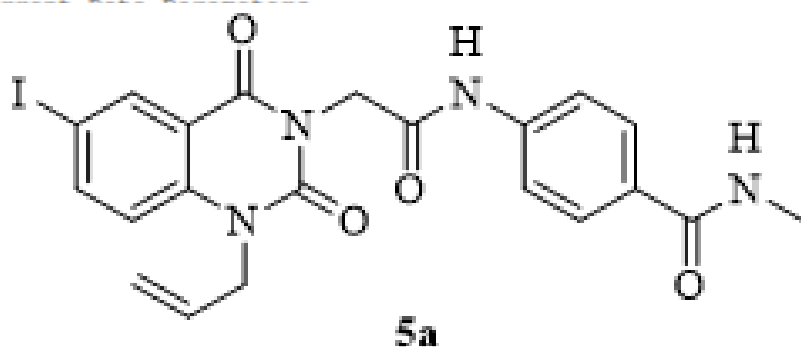
23 repetitions
OBSERVE H1, 300.0687875 MHz
DATA PROCESSING
FT size 65536
Total time 19 min, 19 sec



5a



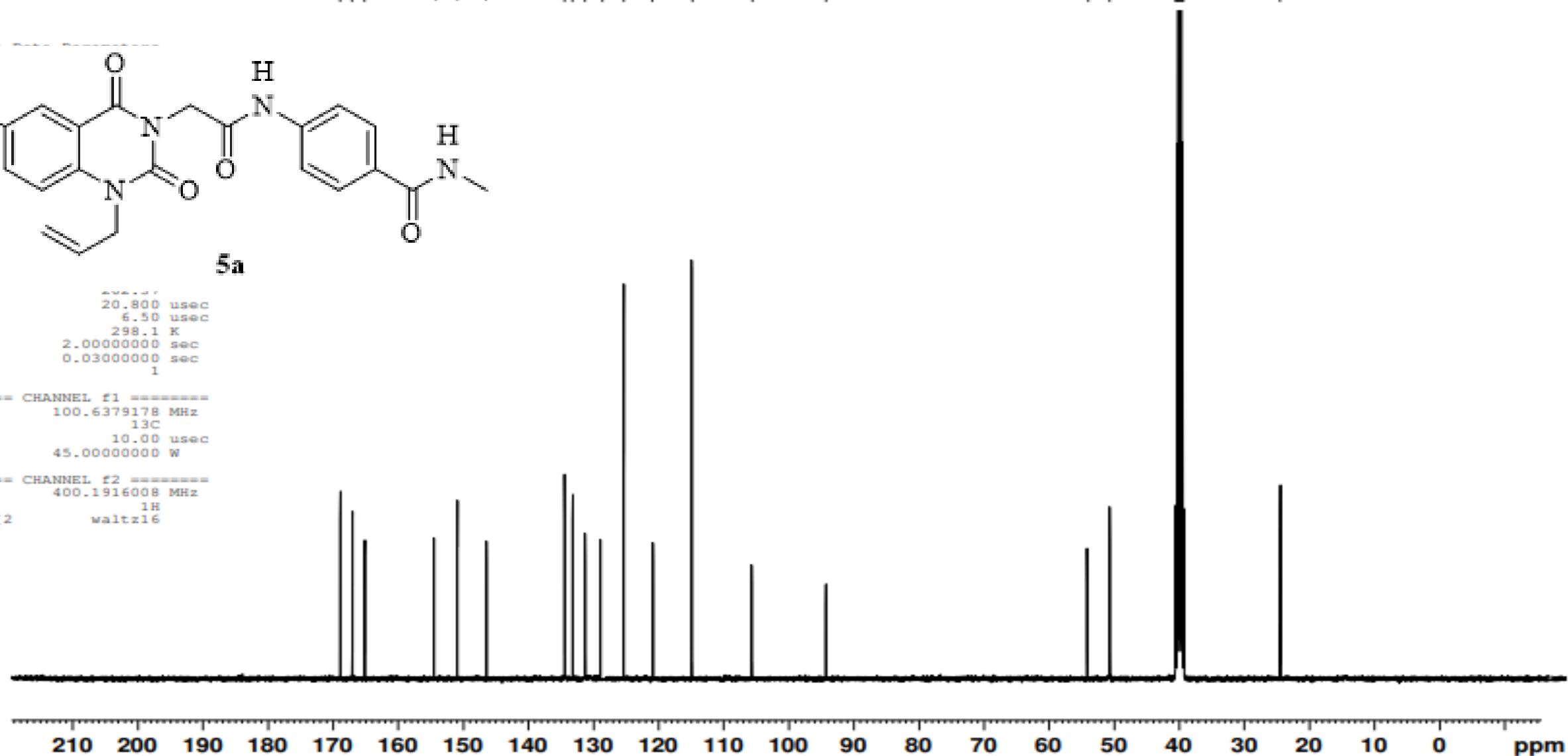
168.96
167.12
165.23
154.65
151.22
146.56
134.48
133.25
131.37
129.05
125.62
120.95
115.00
105.94
94.36
54.13
50.76
40.61
40.40
40.19
39.98
39.78
39.57
39.36
14.40



R₂
DM 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

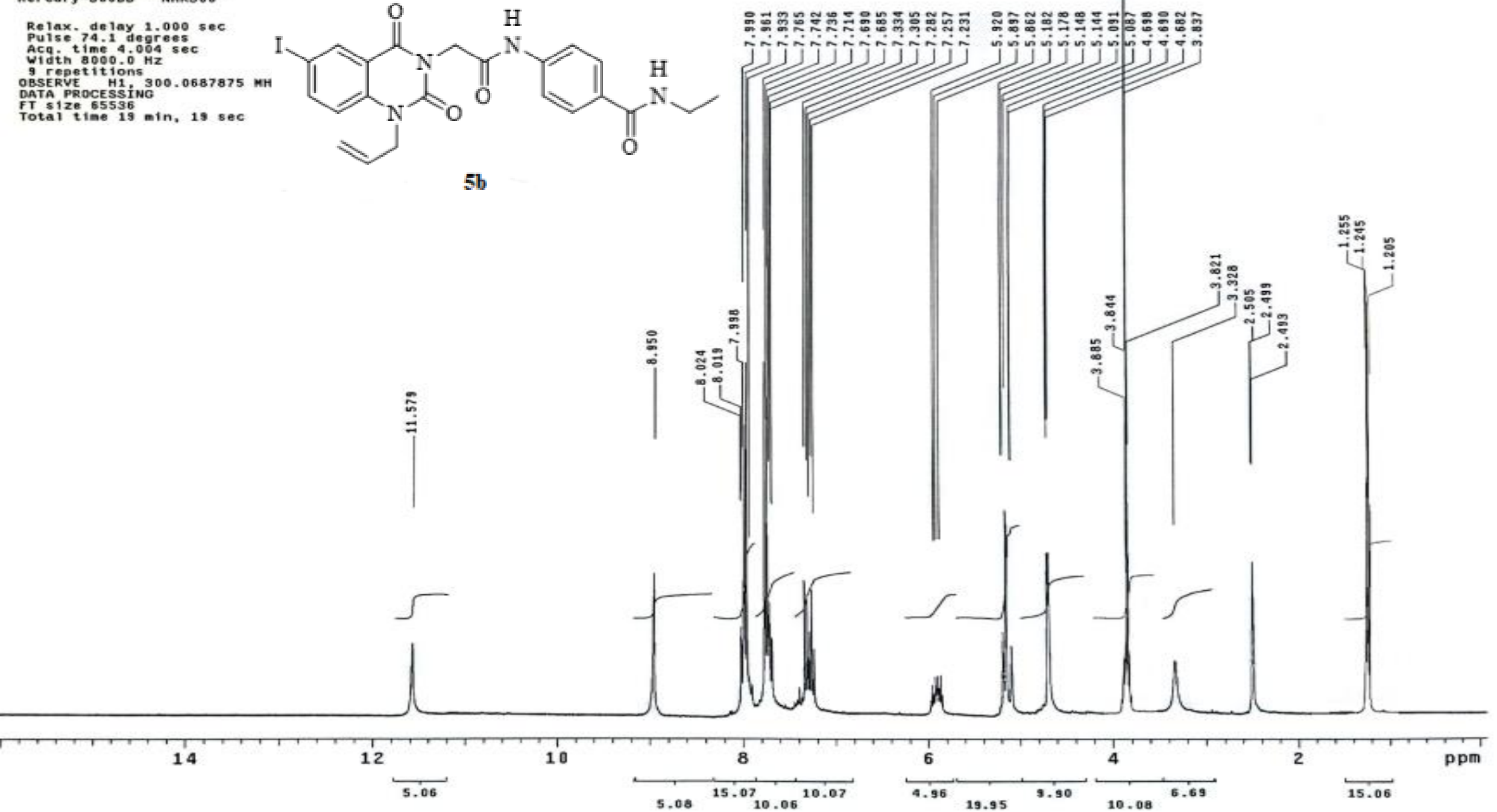
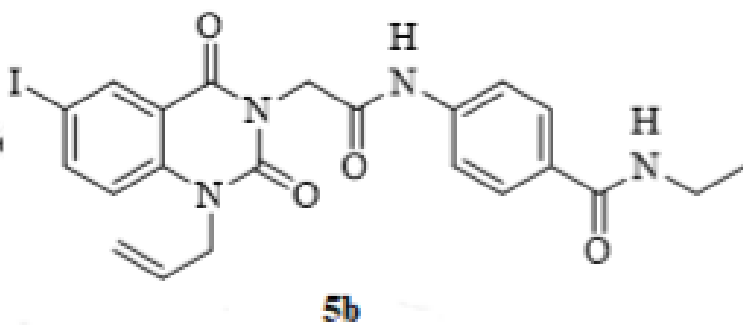
===== CHANNEL f1 =====
SFO1 100.6379178 MHz
NUC1 13C
P1 10.00 usec
PLW1 45.00000000 W

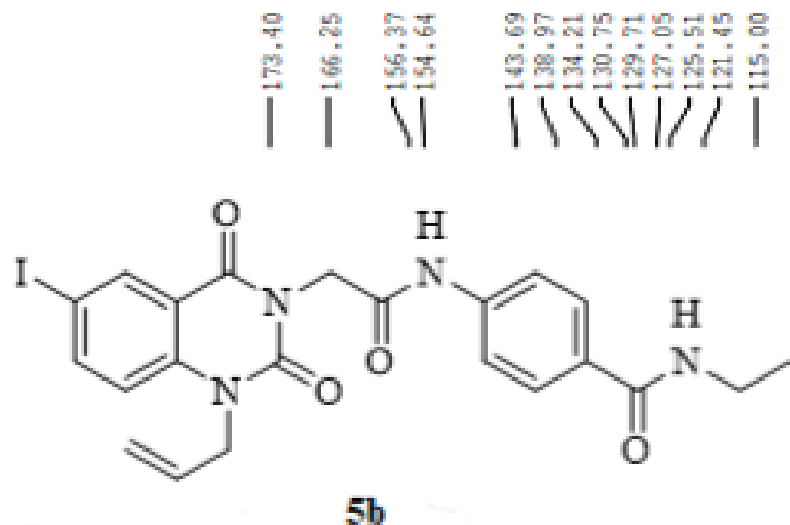
===== CHANNEL f2 =====
SFO2 400.1916008 MHz
NUC2 1H
CPDPRG[2] waltz16



Pulse sequence: s2pu1
Solvent: DMSO
Temp. 30.0 C / 303.1 K
Mercury-300BB "NMR300"

Relax. delay 1.000 sec
Pulse 74.1 degrees
Acq. time 4.004 sec
Width 8000.0 Hz
9 repetitions
OBSERVE H1, 300.0687875 MH
DATA PROCESSING
FT size 65536
Total time 19 min, 19 sec

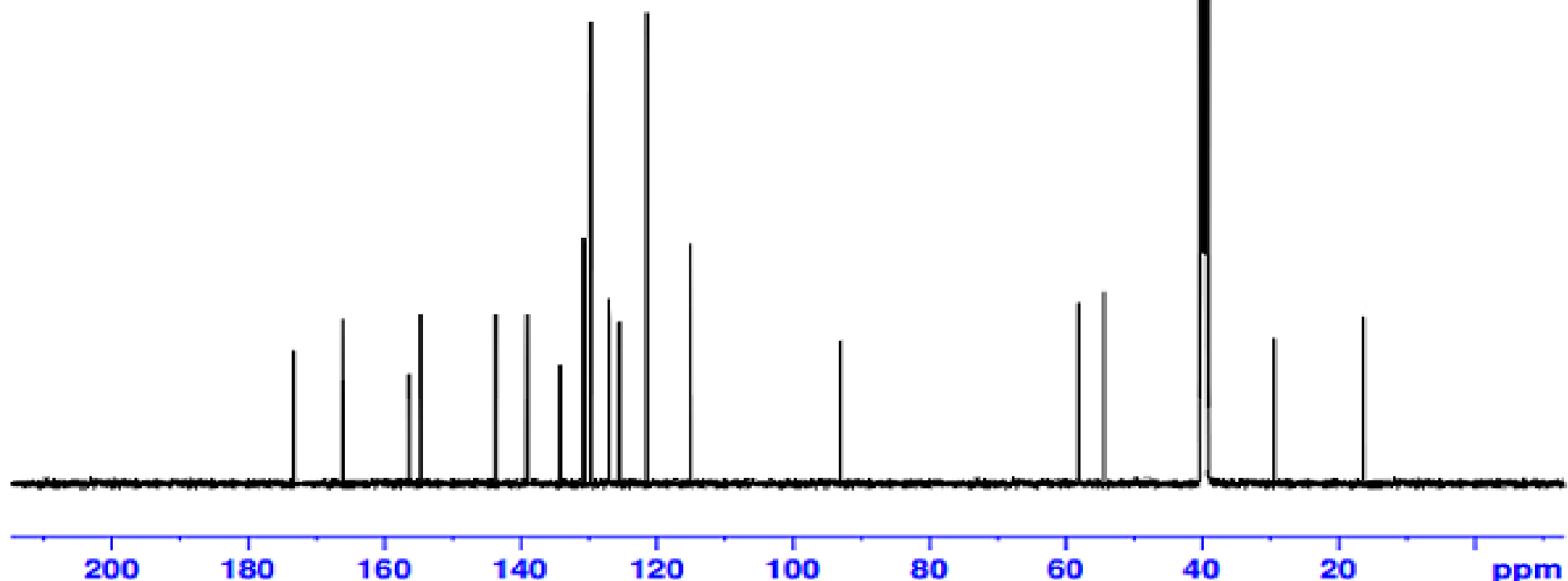




173.40
166.25
156.37
154.64
143.69
138.97
134.21
130.75
129.71
127.05
125.51
121.45
115.00

93.33

58.35
54.65
40.36
40.16
39.95
39.74
39.53
39.32
39.11
29.76
16.62



Current Data Parameters
NAME 2
EXPNO 3
PROCNO 1

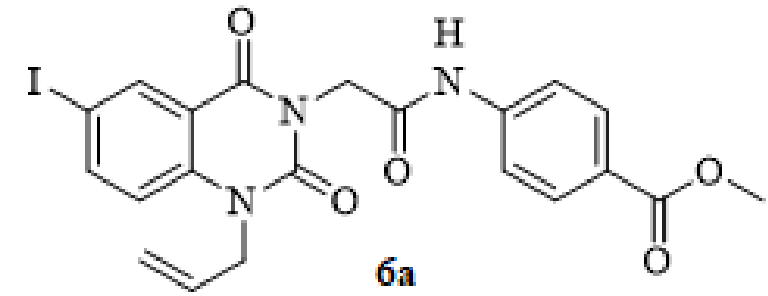
F2 - Acquisition Parameters
Date_ 20220605
Time 13.03
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1412
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631488 sec
RG 205.37
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

----- CHANNEL f1 -----
SFO1 100.6278588 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.00000000 W

----- CHANNEL f2 -----
SFO2 400.1516006 MHz
NUC2 1H
CPDPRG(2) waltz16
PCPD2 90.00 usec
PLW2 18.00000000 W
PLW12 0.34722000 W
PLW13 0.28125000 W

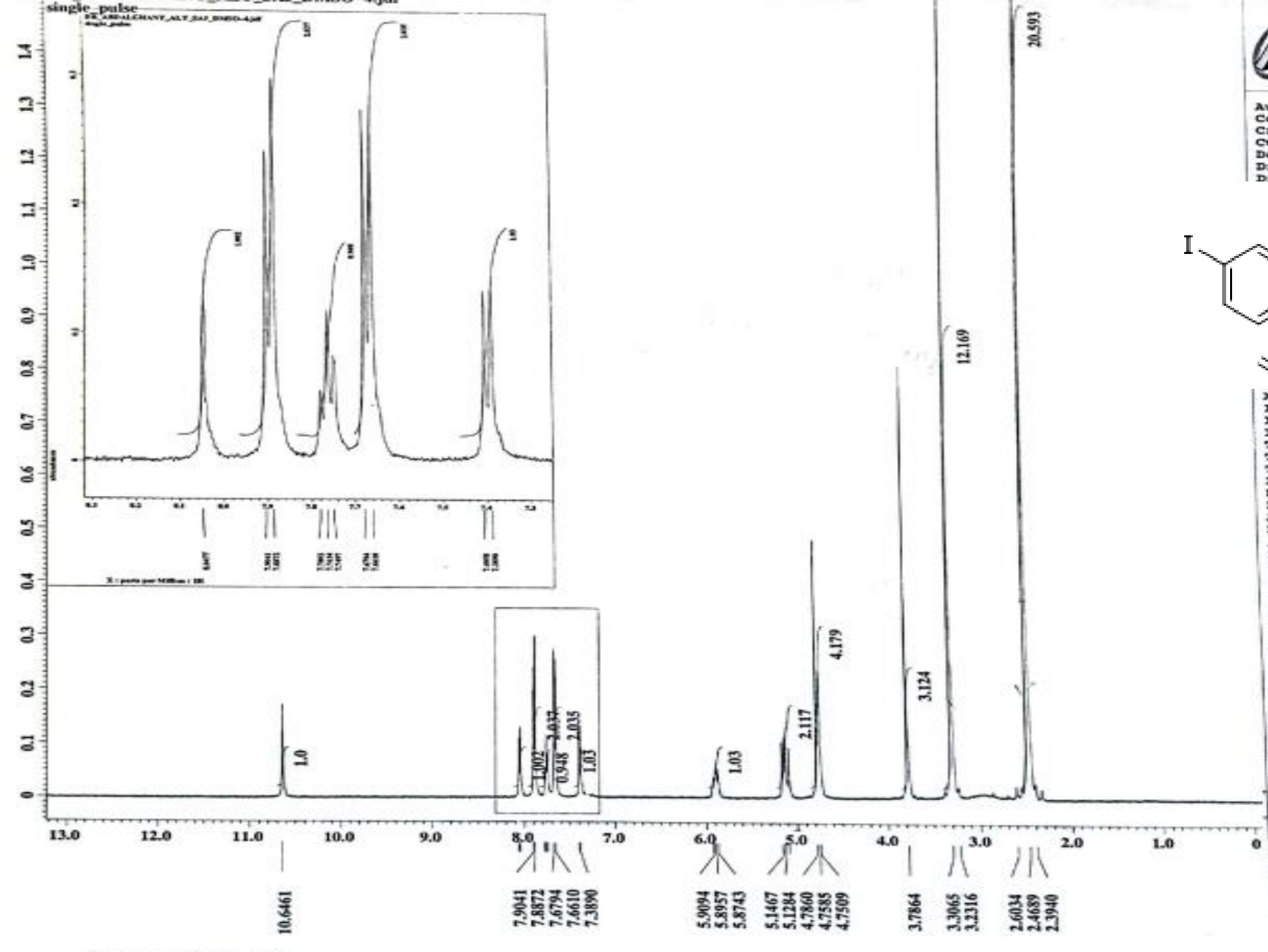
F2 - Processing parameters
SI 32768
SF 100.6177975 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Author = delta3
 Content = single_pulse
 Creation_time = 29-JUL-2012 19:0
 Current_time = 29-JUL-2012 12:3
 Data_format = 1D COMPLEX
 Dim_size = 13107
 Dim_title = 1H



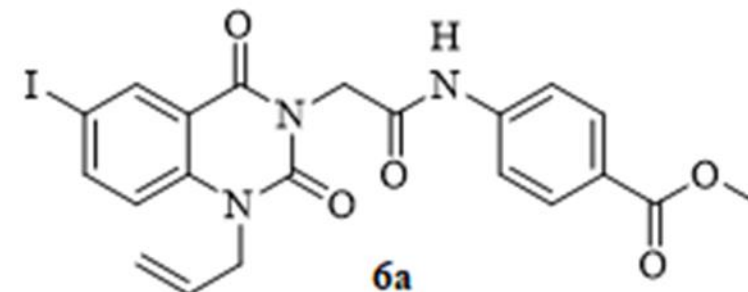
```

X_resolution = 0.76446839 [Hz]
Irr_domain = 1H
Irr_offset = 5.0 [ppm]
Irr_freq = 500.15991521 [MHz]
Tri_domain = 1H
Tri_offset = 5.0 [ppm]
Tri_freq = 500.15991521 [MHz]
X_acq_duration = 1.30809856 [s]
Digital_filter = TRUE
Filter_factor = 8
Af_version = 1
Delay_of_start = 1.99999974 [s]
Acq_delay = 9.82 [us]
Digital_filter_status = 2P
Clipped = FALSE
Dc_balanced = FALSE
X90 = 13.1 [us]
Irr90 = 13.1 [us]
Tri90 = 10 [us]
Qua90 = 10 [us]
Qui90 = 10 [us]
Sex90 = 10 [us]
Sep90 = 10 [us]
Oct90 = 10 [us]
Non90 = 10 [us]
Dec90 = 10 [us]
X90_hi = 92 [us]
Irr90_hi = 92 [us]
Tri90_hi = 10 [us]
Qua90_hi = 10 [us]
Qui90_hi = 10 [us]
Sex90_hi = 10 [us]
Sep90_hi = 10 [us]
Oct90_hi = 10 [us]
Non90_hi = 10 [us]
Dec90_hi = 10 [us]
X90_lo = 92 [us]
Irr90_lo = 92 [us]
Tri90_lo = 10 [us]
Qua90_lo = 10 [us]
Qui90_lo = 10 [us]
Sex90_lo = 10 [us]
Sep90_lo = 10 [us]
Oct90_lo = 10 [us]
Non90_lo = 10 [us]
  
```





Current Data Parameters

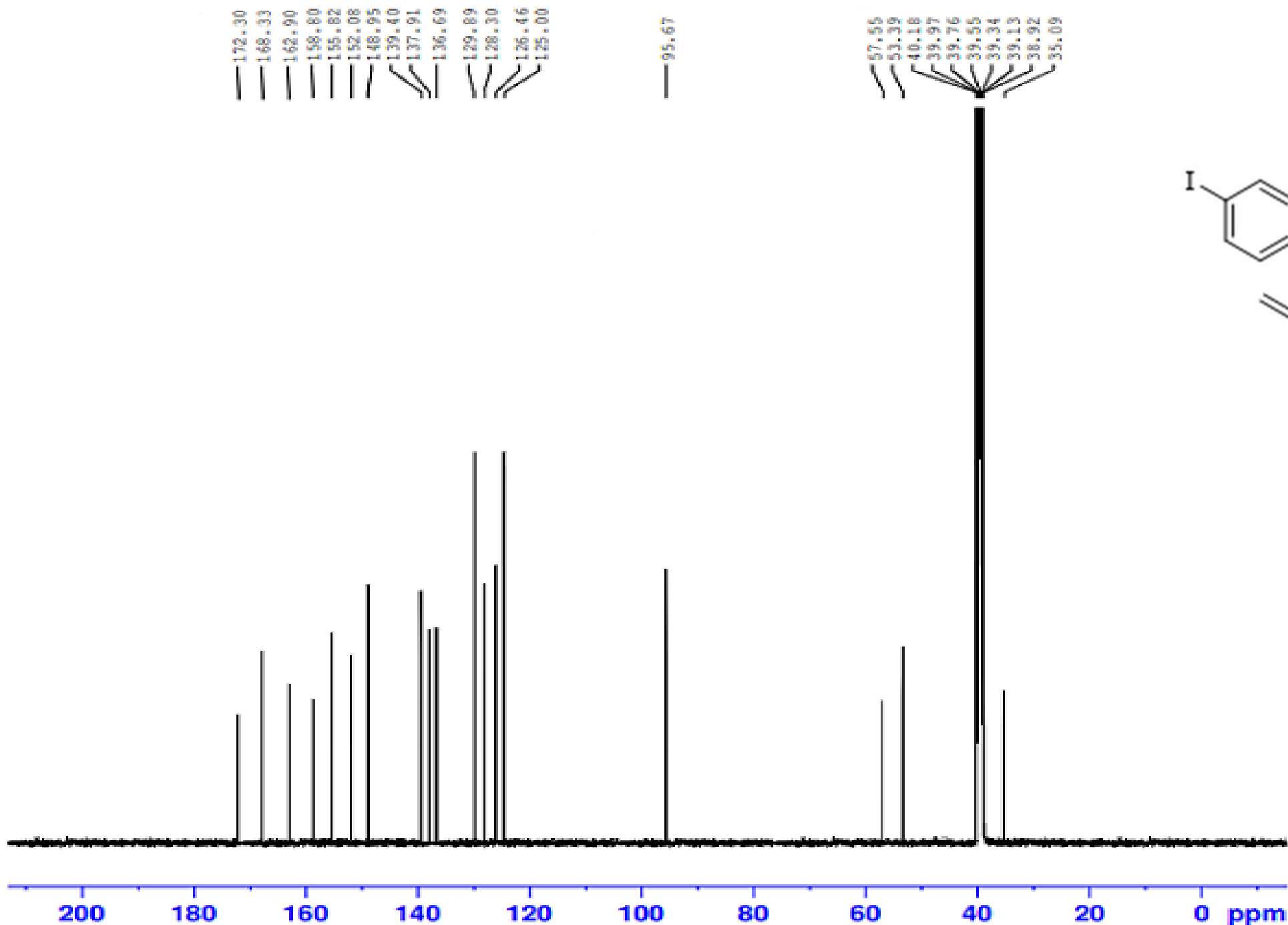


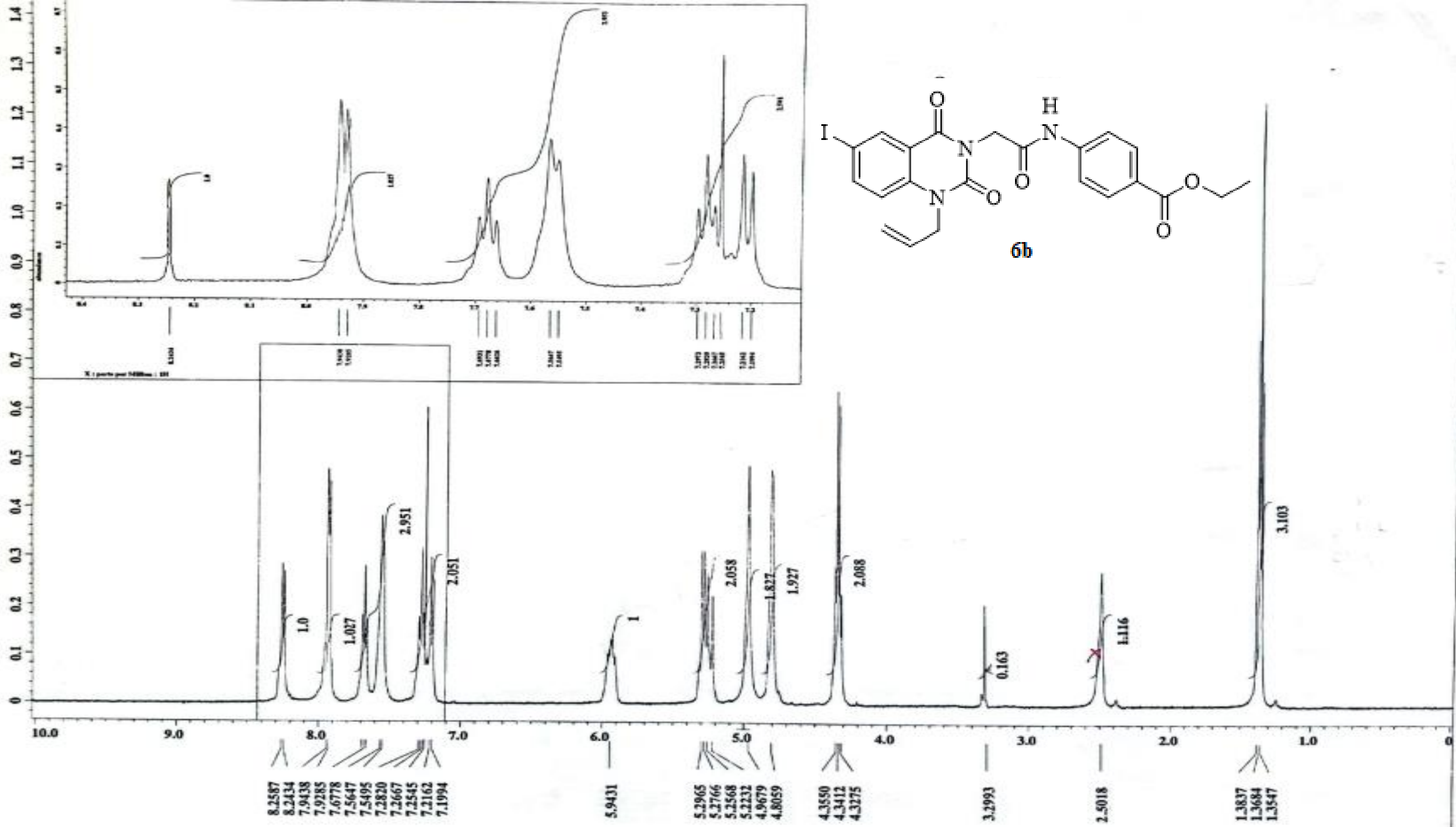
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631488 sec
RG 205.37
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

----- CHANNEL f1 -----
SFO1 100.6278588 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.00000000 W

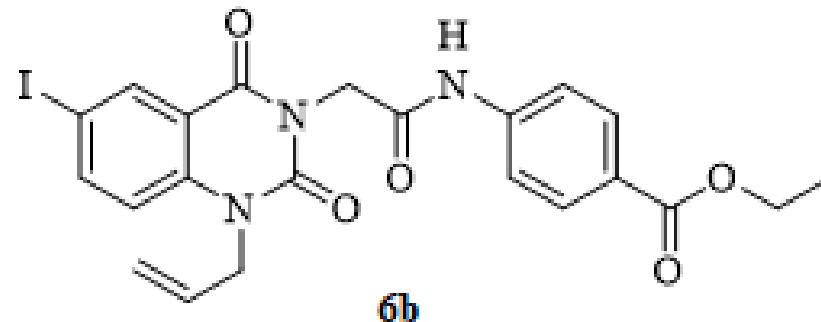
----- CHANNEL f2 -----
SFO2 400.1516006 MHz
NUC2 1H
CPDPRG(2) waltz16
PCPD2 90.00 usec
PLW2 18.00000000 W
PLW12 0.34722000 W
PLW13 0.28125000 W

F2 - Processing parameters
SI 32768
SF 100.6177975 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





Author = delta3
 Content = single_pulse
 Creation_time = 30-JUL-2012 18:3
 Current_time = 30-JUL-2012 11:4
 Data_format = 1D_COMPLEX



0.3

0.2

0.1

0

10.6446
 2.089
 8.0493
 7.9010
 7.8857
 7.6778
 7.6626
 7.3890
 7.3080
 5.8743
 5.1697
 5.1483
 5.1299
 4.7875
 4.7570
 4.2572
 4.2434
 3.5357
 3.3111
 3.2912
 2.4689
 1.2905
 1.2767

197.885

70.535

2.089

1.961

1.817

6.313

4.192

1

4.32

8.464

4.441

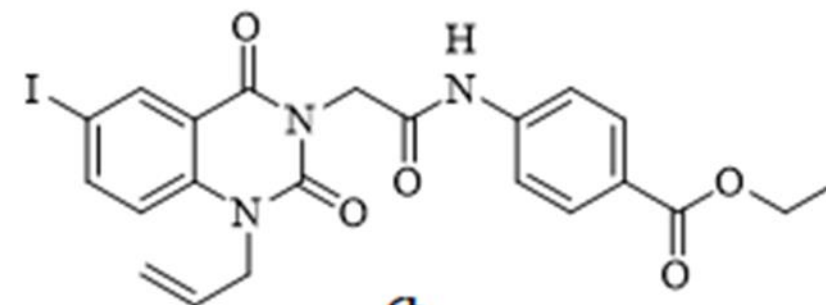
-0.966

6.549

Irr_offset = 5.0[ppm]
 Irr_freq = 500.15991521[MHz]
 Tri_domain = 1H
 Tri_offset = 5.0[ppm]
 Tri_freq = 500.15991521[MHz]
 X_acq_duration = 1.30809856[s]
 Digital_filter = TRUE
 Filter_factor = 8
 Af_version = 1
 Delay_of_start = 1.99999974[s]
 Acq_delay = 9.82[us]
 Digital_filter_status = 2P
 Clipped = FALSE
 Dc_balanced = FALSE
 X90 = 13.1[us]
 Irr90 = 13.1[us]
 Tri90 = 10[us]
 Qua90 = 10[us]
 Qui90 = 10[us]
 Sex90 = 10[us]
 Sep90 = 10[us]
 Oct90 = 10[us]
 Non90 = 10[us]
 Dec90 = 10[us]
 X90_hi = 92[us]
 Irr90_hi = 92[us]
 Tri90_hi = 10[us]
 Qua90_hi = 10[us]
 Qui90_hi = 10[us]
 Sex90_hi = 10[us]
 Sep90_hi = 10[us]
 Oct90_hi = 10[us]
 Non90_hi = 10[us]
 Dec90_hi = 10[us]
 X90_lo = 92[us]
 Irr90_lo = 92[us]
 Tri90_lo = 10[us]
 Qua90_lo = 10[us]
 Qui90_lo = 10[us]
 Sex90_lo = 10[us]
 Sep90_lo = 10[us]
 Oct90_lo = 10[us]
 Non90_lo = 10[us]



Current Data Parameters



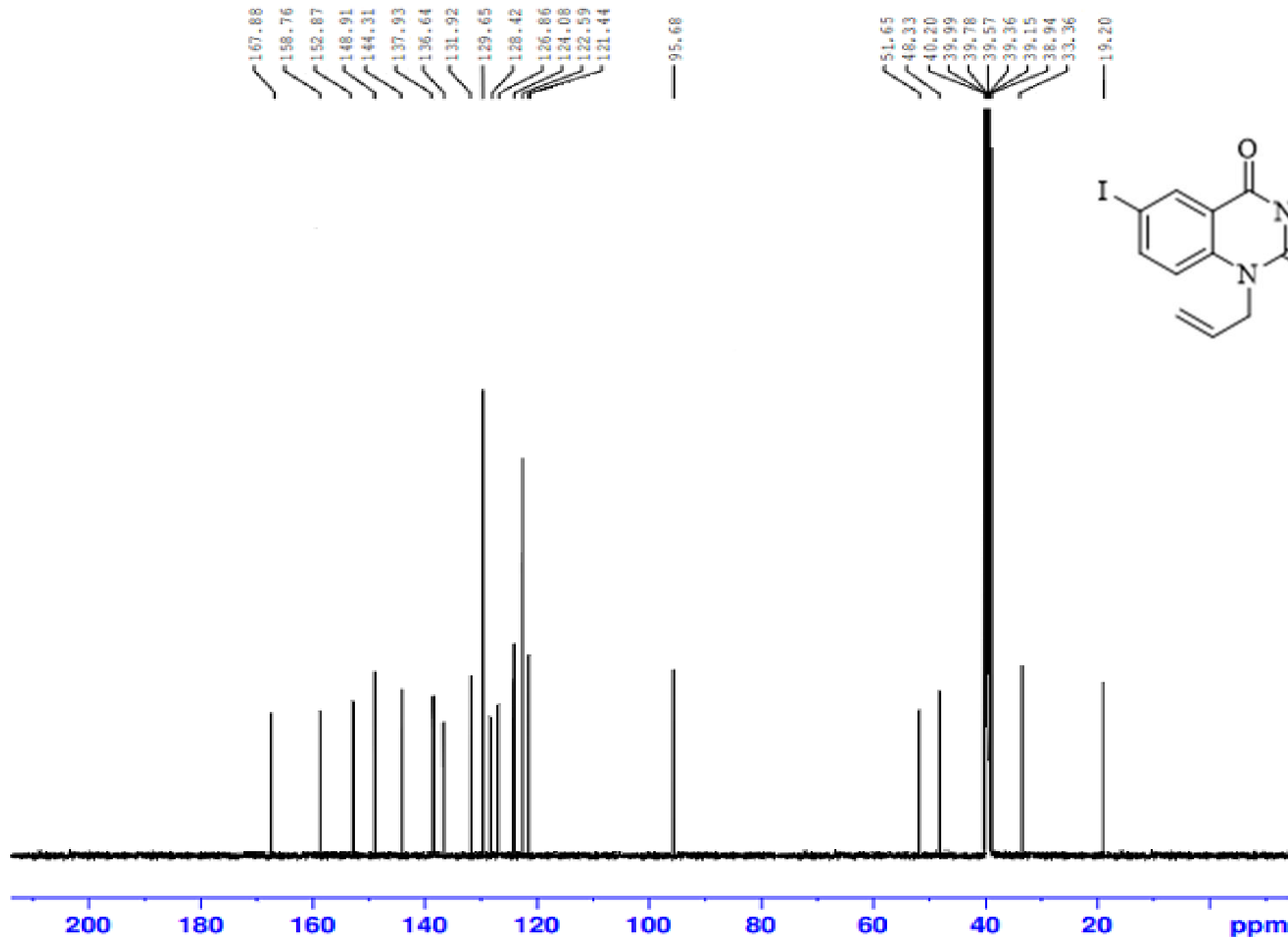
6b

```
-----  
AQ                1.3631488  sec  
RG                205.37  
DW                20.800  usec  
DE                6.50  usec  
TE                300.0  K  
D1                2.0000000  sec  
D11               0.0300000  sec  
TD0                1
```

```
----- CHANNEL f1 -----  
SFO1              100.6278588  MHz  
NUC1                13C  
P1                 10.00  usec  
PLW1               47.0000000  W
```

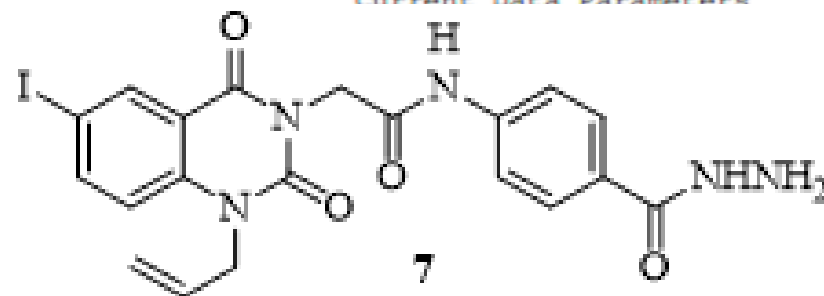
```
----- CHANNEL f2 -----  
SFO2              400.1516006  MHz  
NUC2                1H  
CPDPRG[2          waltz16  
PCPD2              90.00  usec  
PLW2               18.0000000  W  
PLW12              0.3472200  W  
PLW13              0.2812500  W
```

```
F2 - Processing parameters  
SI                 32768  
SF                 100.6177975  MHz  
NDW                EM  
SSB                0  
LB                 1.00  Hz  
GB                0  
PC                 1.40
```





Current Data Parameters

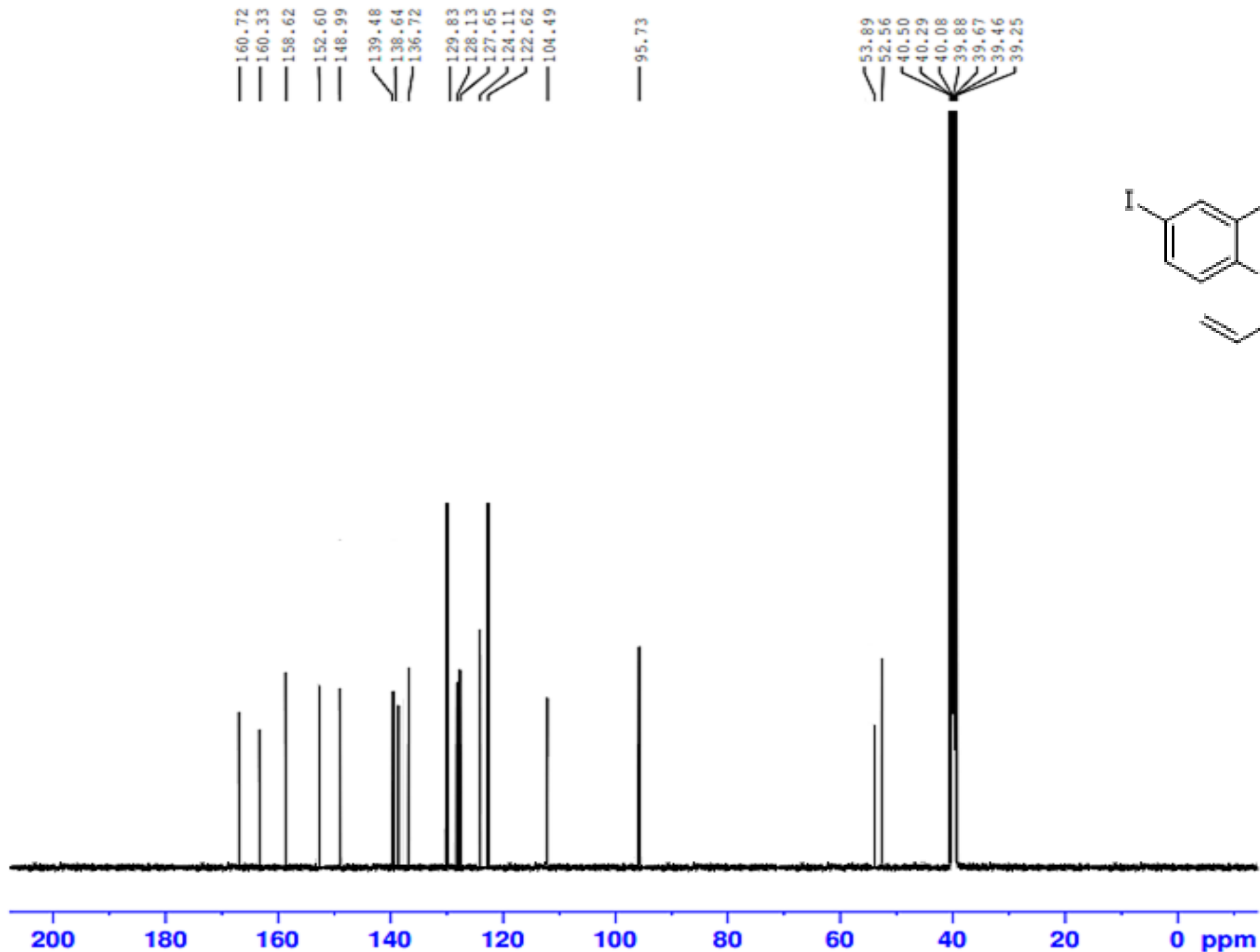


NS 814
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631488 sec
RG 205.37
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

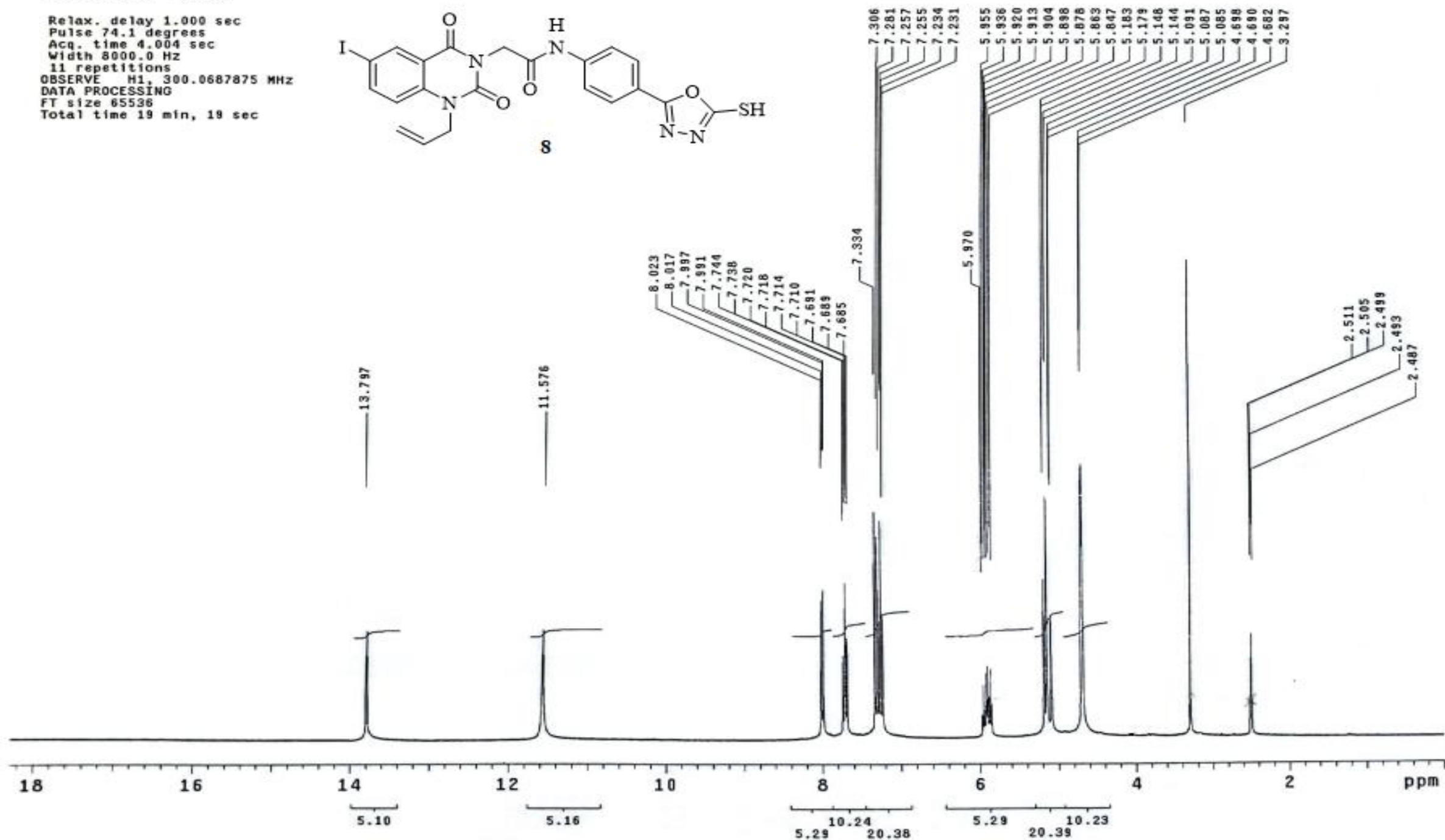
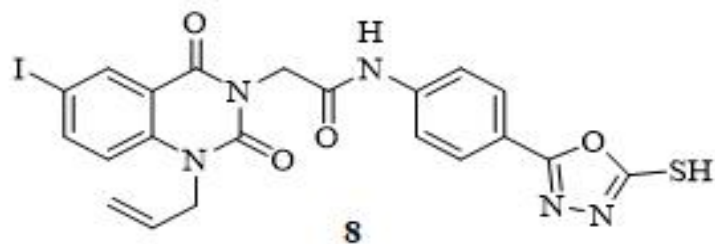
----- CHANNEL f1 -----
SFO1 100.6278588 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.00000000 W

----- CHANNEL f2 -----
SFO2 400.1516006 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 90.00 usec
PLW2 18.00000000 W
PLW12 0.34722000 W
PLW13 0.28125000 W

F2 - Processing parameters
SI 32768
SF 100.6177975 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

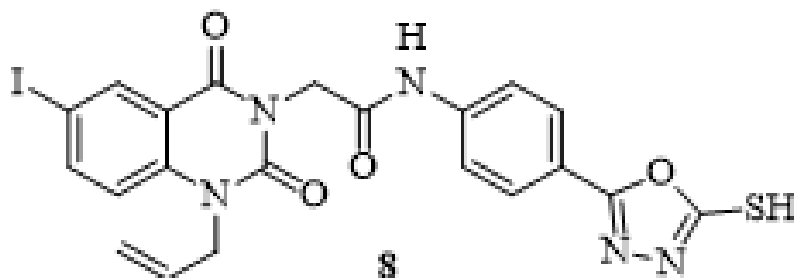


Relax. delay 1.000 sec
 Pulse 74.1 degrees
 Acq. time 4.004 sec
 Width 8000.0 Hz
 11 repetitions
 OBSERVE H1, 300.0687875 MHz
 DATA PROCESSING
 FT size 65536
 Total time 19 min, 19 sec





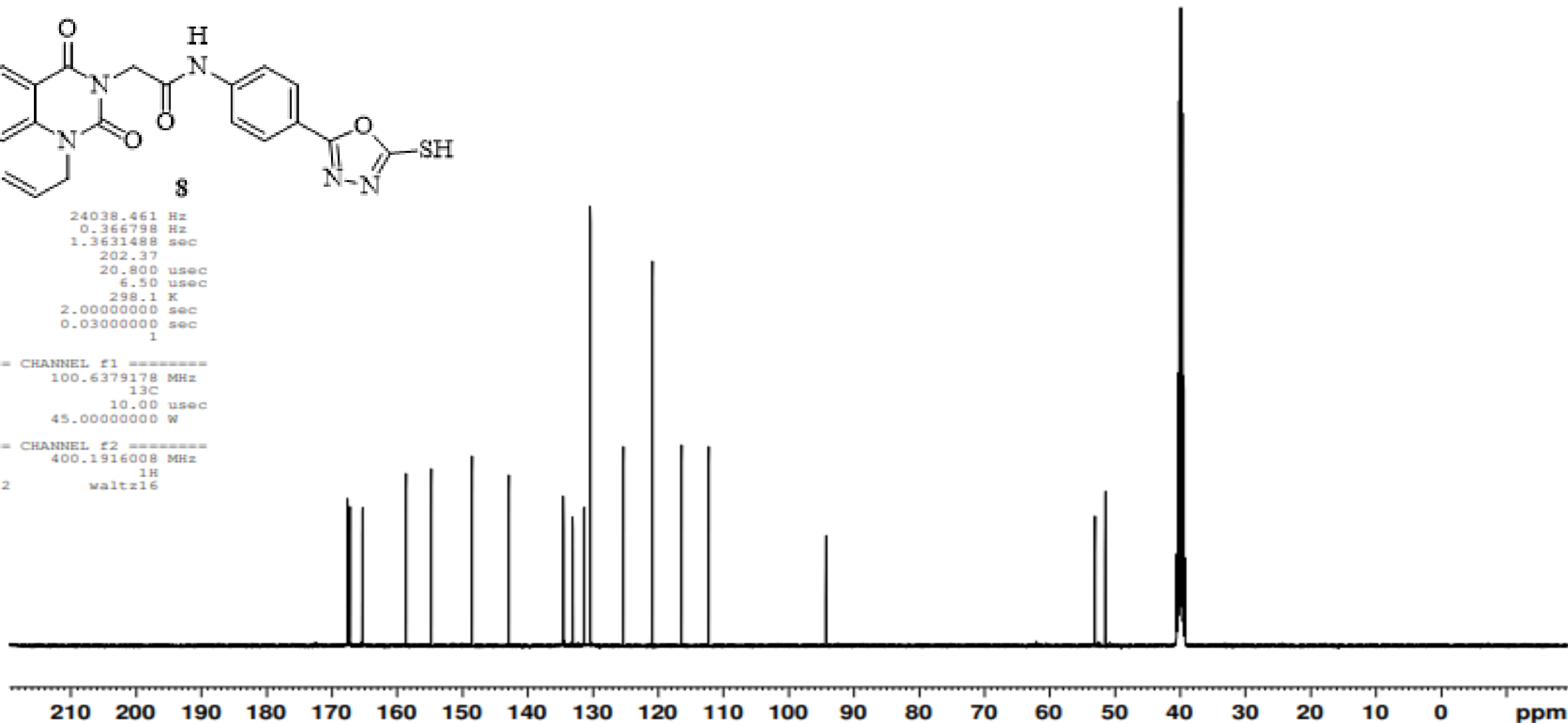
167.68
 167.33
 165.38
 158.89
 154.98
 148.74
 142.94
 134.64
 133.19
 131.43
 130.74
 125.61
 120.99
 116.56
 112.35
 94.37
 53.16
 51.54
 40.59
 40.39
 40.18
 39.97
 39.76
 39.55
 39.34



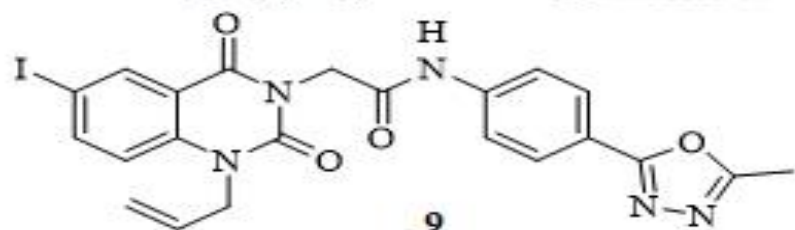
SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631488 sec
 RG 202.37
 DW 20.800 usec
 DE 6.50 usec
 TE 298.1 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

----- CHANNEL f1 -----
 SFO1 100.6379178 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 45.00000000 W

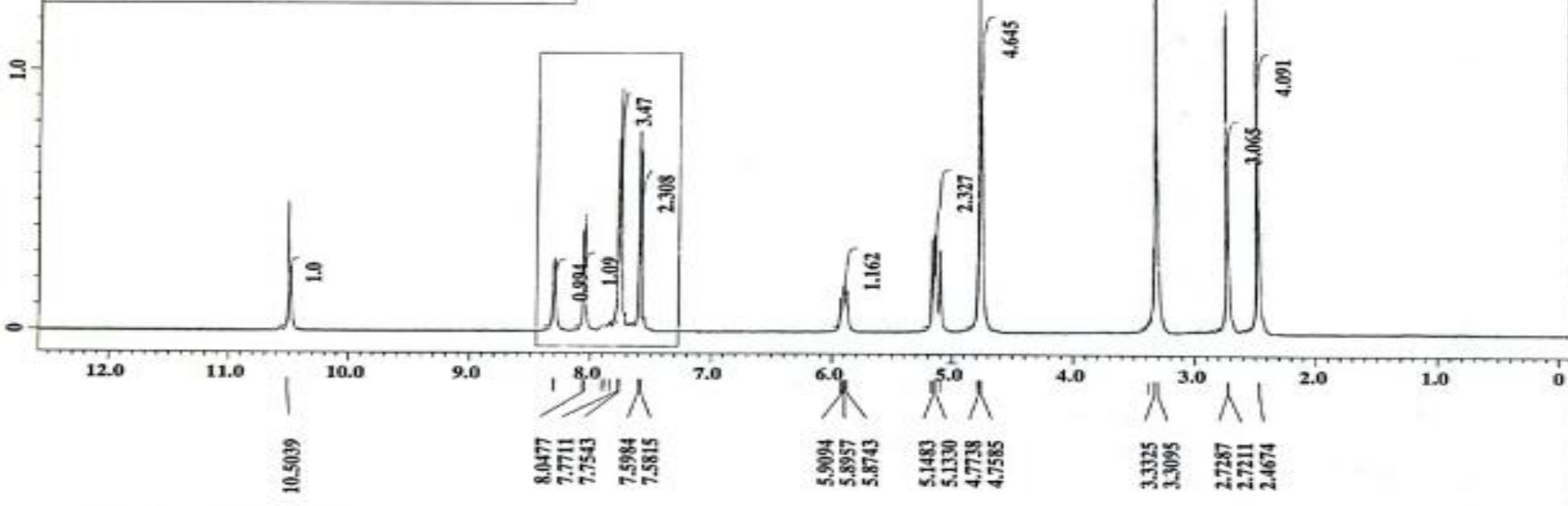
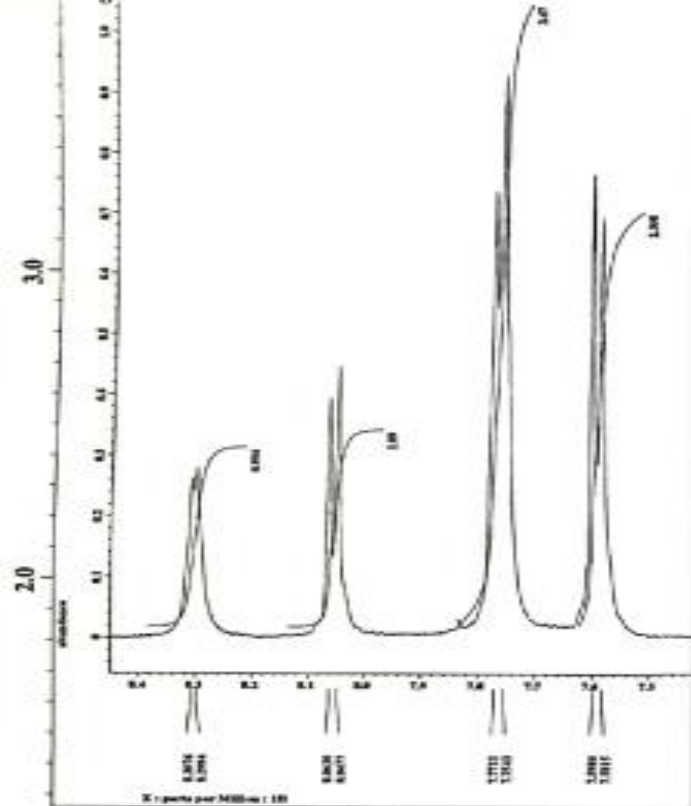
----- CHANNEL f2 -----
 SFO2 400.1916008 MHz
 NUC2 1H
 CPDPRG[2 waltz16

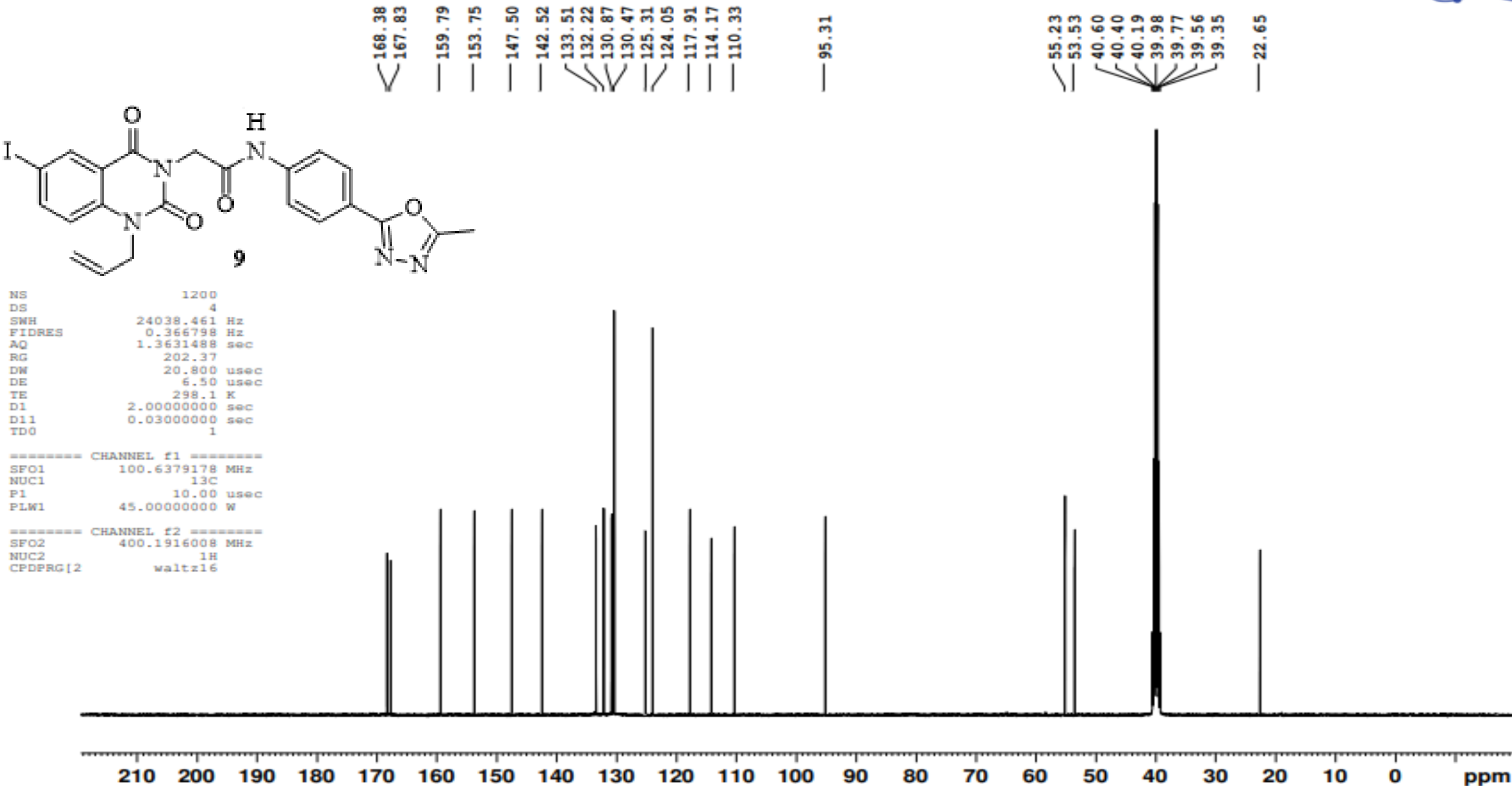


Author = delta3
 Content = single_pulse
 Creation_time = 29-JUL-2012 18:4
 Current_time = 29-JUL-2012 12:3
 Data_format = 1D COMPLEX
 Dir_size = 13107
 Dir_title = 1H
 Dir_units = [ppm]
 Dimensions = X
 Filename = DR_ABDALGHANY_AL
 Machine = SCC



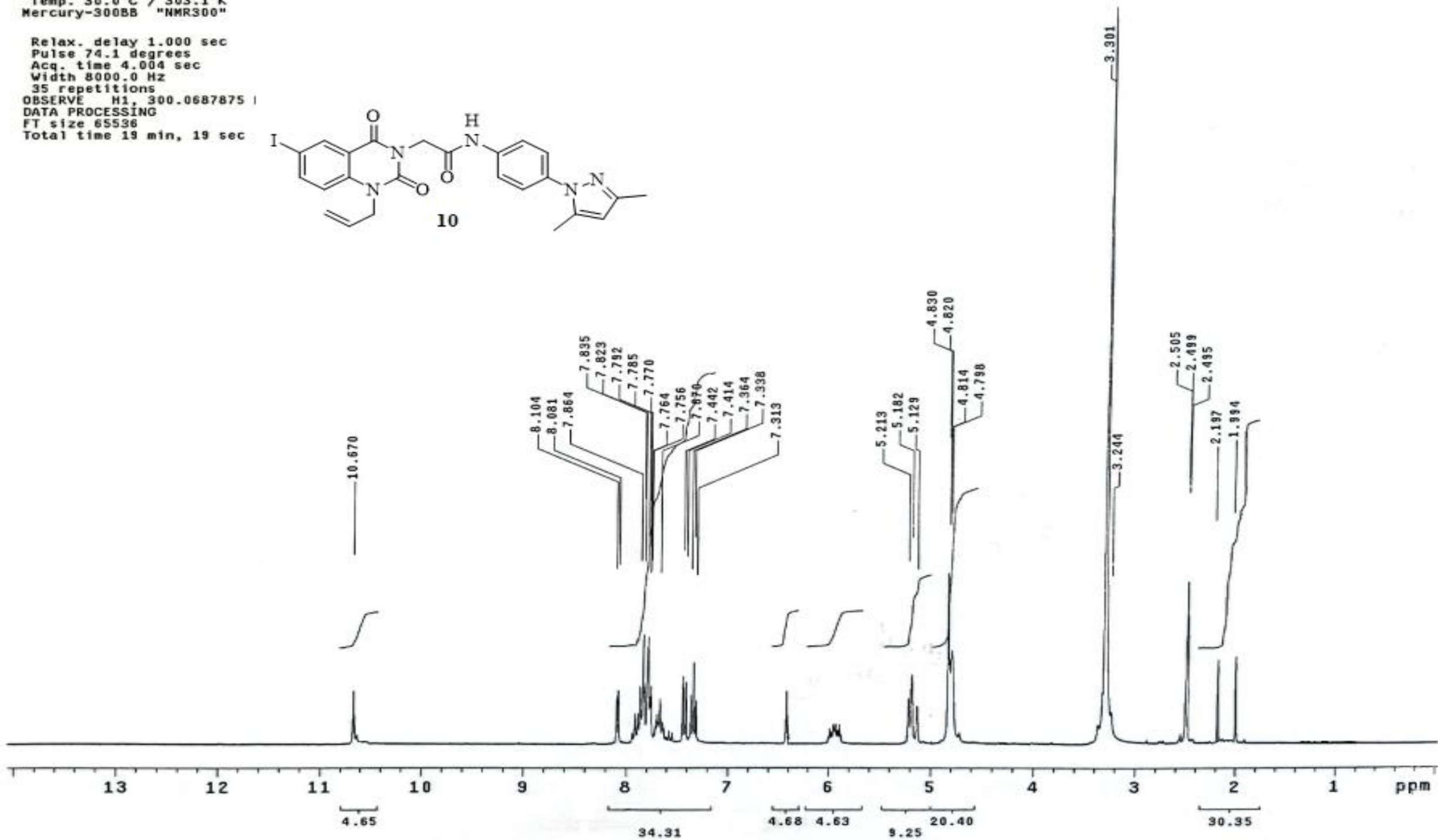
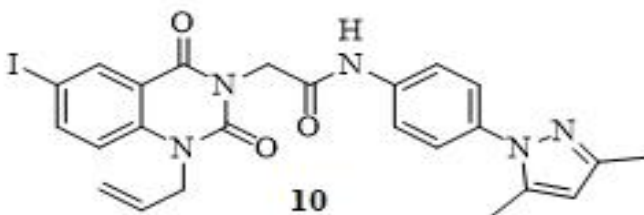
X_resolution = 0.75446839 [Hz]
 Irr_domain = 1H
 Irr_offset = 5.0 [ppm]
 Irr_freq = 500.15991521 [MHz]
 Tri_domain = 1H
 Tri_offset = 5.0 [ppm]
 Tri_freq = 500.15991521 [MHz]
 X_acq_duration = 1.30809856 [s]
 Digital_filter = TRUE
 Filter_factor = 8
 Af_version = 1
 Delay_of_start = 1.99999974 [s]
 Acq_delay = 9.82 [us]
 Digital_filter_status = 2P
 Clipped = FALSE
 Dc_balanced = FALSE
 X90 = 13.1 [us]
 Irr90 = 13.1 [us]
 Tri90 = 10 [us]
 Qua90 = 10 [us]
 Qui90 = 10 [us]
 Sex90 = 10 [us]
 Sep90 = 10 [us]
 Oct90 = 10 [us]
 Non90 = 10 [us]
 Dec90 = 10 [us]
 X90_hi = 92 [us]
 Irr90_hi = 92 [us]
 Tri90_hi = 10 [us]
 Qua90_hi = 10 [us]
 Qui90_hi = 10 [us]
 Sex90_hi = 10 [us]
 Sep90_hi = 10 [us]
 Oct90_hi = 10 [us]
 Non90_hi = 10 [us]
 Dec90_hi = 10 [us]
 X90_lo = 92 [us]
 Irr90_lo = 92 [us]
 Tri90_lo = 10 [us]
 Qua90_lo = 10 [us]
 Qui90_lo = 10 [us]
 Sex90_lo = 10 [us]
 Sep90_lo = 10 [us]
 Oct90_lo = 10 [us]
 Non90_lo = 10 [us]





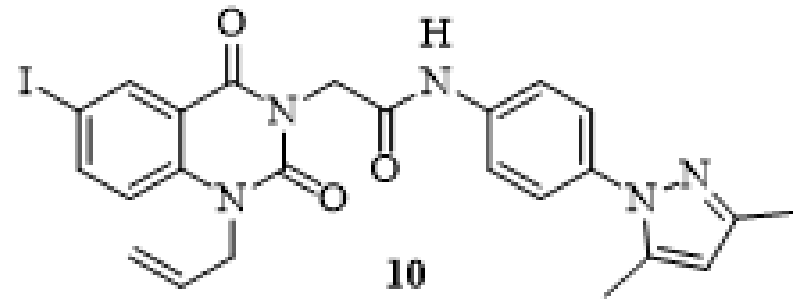
Temp. 30.0 C / 303.1 K
Mercury-300BB "NMR300"

Relax. delay 1.000 sec
Pulse 74.1 degrees
Acq. time 4.004 sec
Width 8000.0 Hz
35 repetitions
OBSERVE H1, 300.0687875 |
DATA PROCESSING
FT size 65536
Total time 19 min, 19 sec





Current Data Parameters

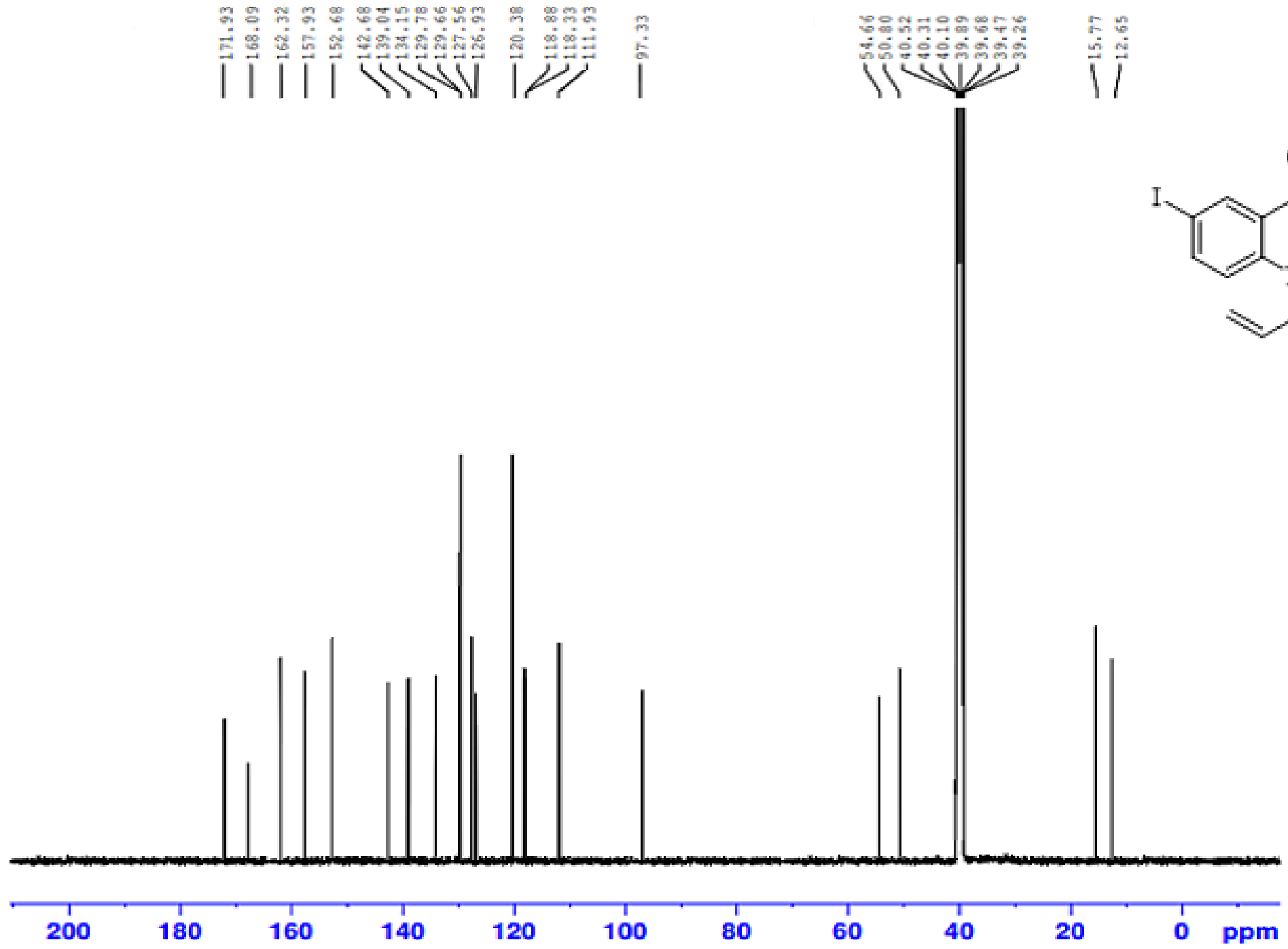


DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631488 sec
RG 205.37
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

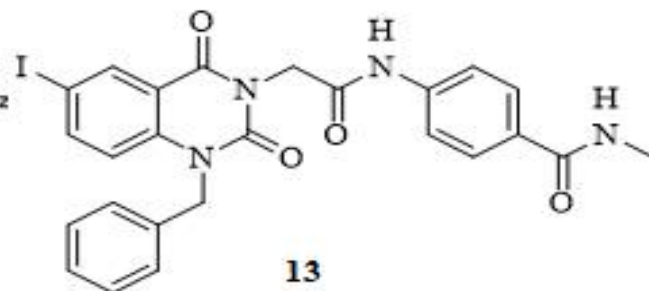
----- CHANNEL f1 -----
SFO1 100.6278588 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.00000000 W

----- CHANNEL f2 -----
SFO2 400.1516006 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 90.00 usec
PLW2 18.00000000 W
PLW12 0.34722000 W
PLW13 0.28125000 W

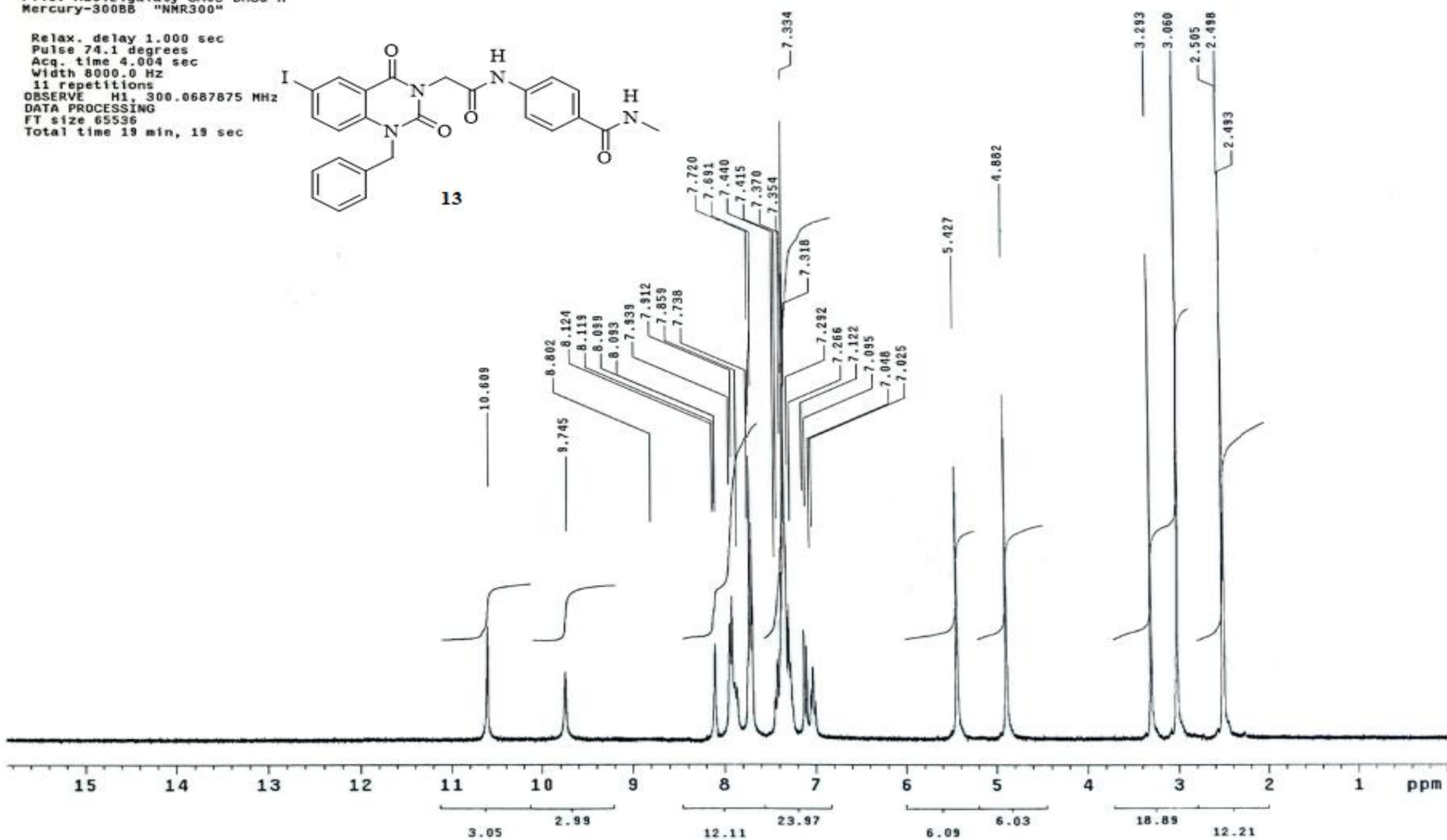
F2 - Processing parameters
SI 32768
SF 100.6177975 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



Relax. delay 1.000 sec
 Pulse 74.1 degrees
 Acq. time 4.004 sec
 Width 8000.0 Hz
 11 repetitions
 OBSERVE H1, 300.0687875 MHz
 DATA PROCESSING
 FT size 65536
 Total time 19 min, 19 sec



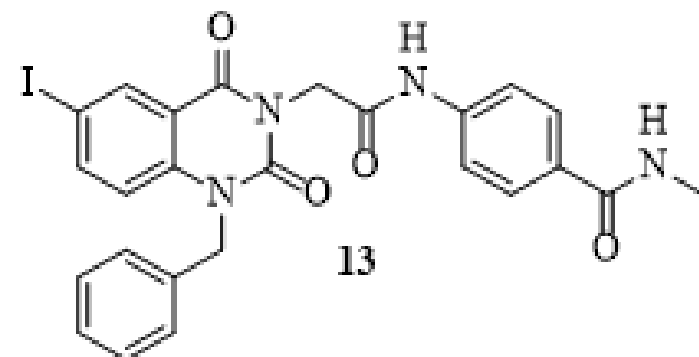
13



167.61
165.84
165.76
165.65
164.83

144.18
142.04
134.20
133.32
131.33
130.70
130.51
129.92
129.77
129.46
124.91
121.40
119.98
118.94

55.91
52.06
40.61
40.40
40.19
39.98
39.77
39.57
39.36
24.70



13

```

--
RG          202.37
DW          20.800 usec
DE           6.50 usec
TE           298.0 K
D1          2.00000000 sec
D11         0.03000000 sec
TD0         1

```

```

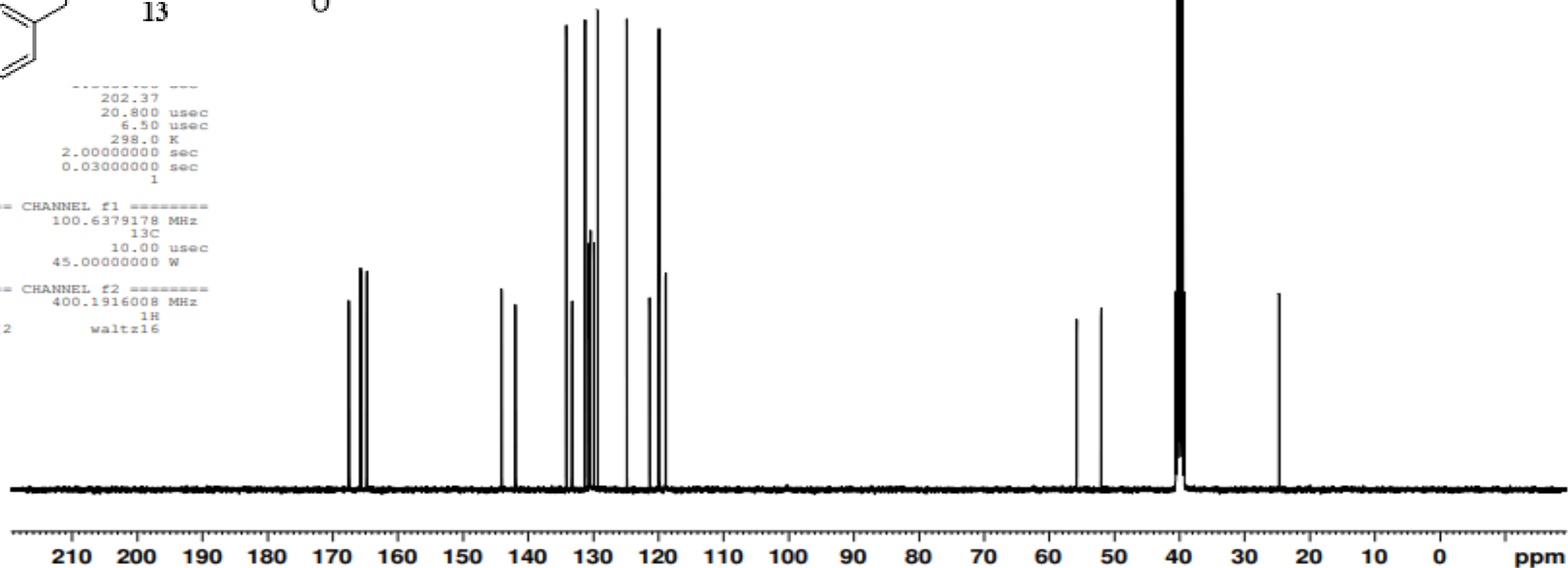
----- CHANNEL f1 -----
SFO1       100.6379178 MHz
NUC1        13C
P1          10.00 usec
PLW1       45.00000000 W

```

```

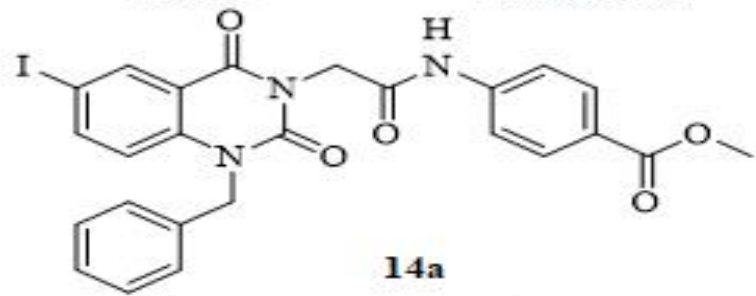
----- CHANNEL f2 -----
SFO2       400.1916008 MHz
NUC2         1H
CPDPRG[2]  waltz16

```



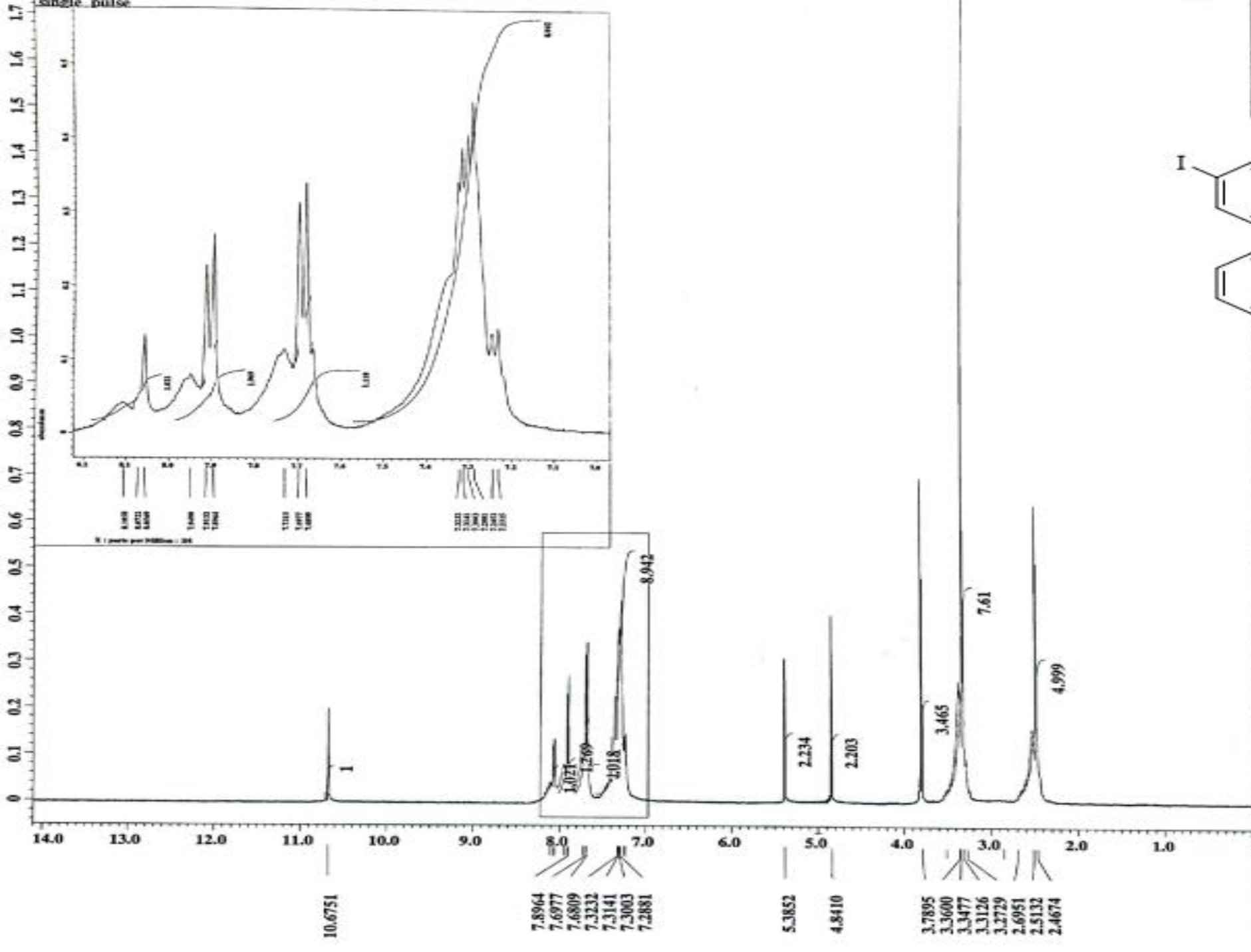
Author
Content

= delta3
= single_pulse



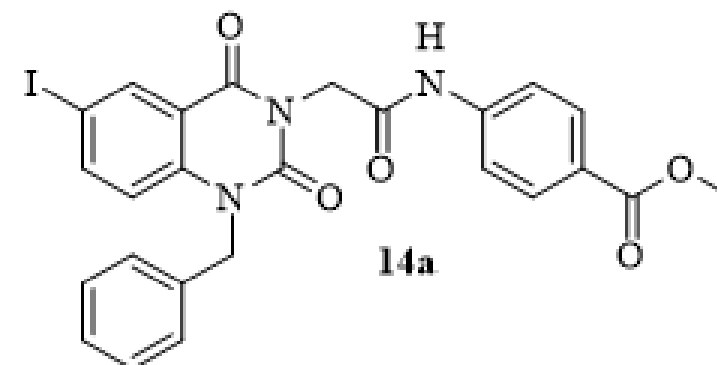
```

X_domain           = 1H
X_offset           = 5.0 [ppm]
X_freq             = 500.15991521 [MHz]
X_sweep           = 12.5250501 [kHz]
X_resolution       = 0.76446839 [Hz]
Irr_domain         = 1H
Irr_offset         = 5.0 [ppm]
Irr_freq           = 500.15991521 [MHz]
Tri_domain         = 1H
Tri_offset         = 5.0 [ppm]
Tri_freq           = 500.15991521 [MHz]
X_acq_duration     = 1.30809856 [s]
Digital_filter     = TRUE
Filter_factor      = 8
Af_version         = 1
Delay_of_start     = 1.99999974 [s]
Actual_start_time  = 29-JUL-2012 18:
Acq_delay          = 9.82 [us]
Digital_filter_status = 2P
Clipped            = FALSE
Dc_balanced        = FALSE
X90                = 13.1 [us]
Irr90              = 13.1 [us]
Tri90              = 10 [us]
Qua90              = 10 [us]
Qui90              = 10 [us]
Sex90              = 10 [us]
Sep90              = 10 [us]
Oct90              = 10 [us]
Non90              = 10 [us]
Dec90              = 10 [us]
X90_hi             = 92 [us]
Irr90_hi           = 92 [us]
Tri90_hi           = 10 [us]
Qua90_hi           = 10 [us]
Qui90_hi           = 10 [us]
Sex90_hi           = 10 [us]
Sep90_hi           = 10 [us]
Oct90_hi           = 10 [us]
Non90_hi           = 10 [us]
Dec90_hi           = 10 [us]
X90_lo             = 92 [us]
Irr90_lo           = 92 [us]
Tri90_lo           = 10 [us]
Qua90_lo           = 10 [us]
Qui90_lo           = 10 [us]
Sex90_lo           = 10 [us]
Sep90_lo           = 10 [us]
Oct90_lo           = 10 [us]
Non90_lo           = 10 [us]
    
```





Current Data Parameters



AQ 1.3631488 sec
RG 205.37
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

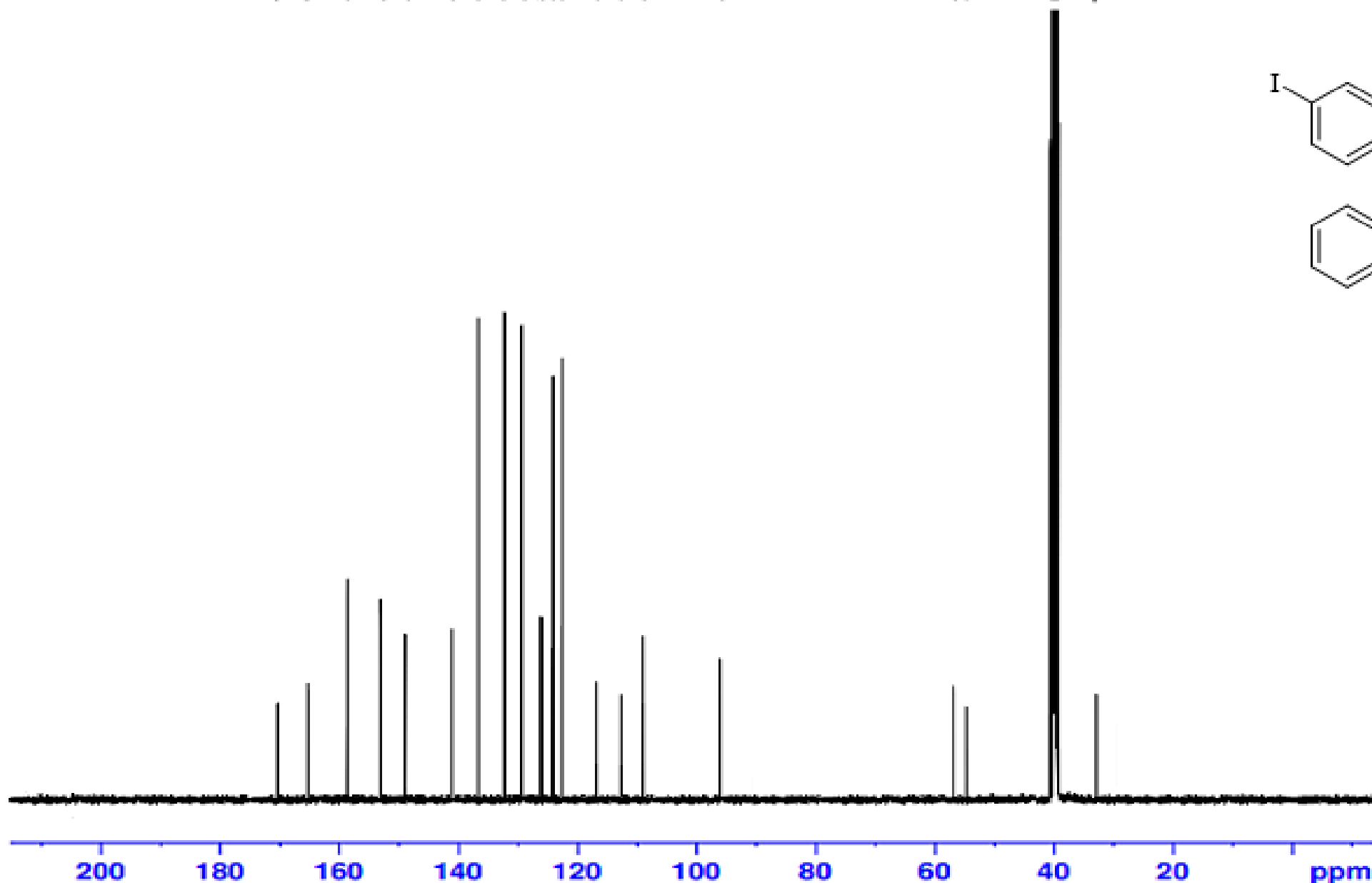
----- CHANNEL f1 -----
SFO1 100.6278588 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.00000000 W

----- CHANNEL f2 -----
SFO2 400.1516006 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 90.00 usec
PLW2 18.00000000 W
PLW12 0.34722000 W
PLW13 0.28125000 W

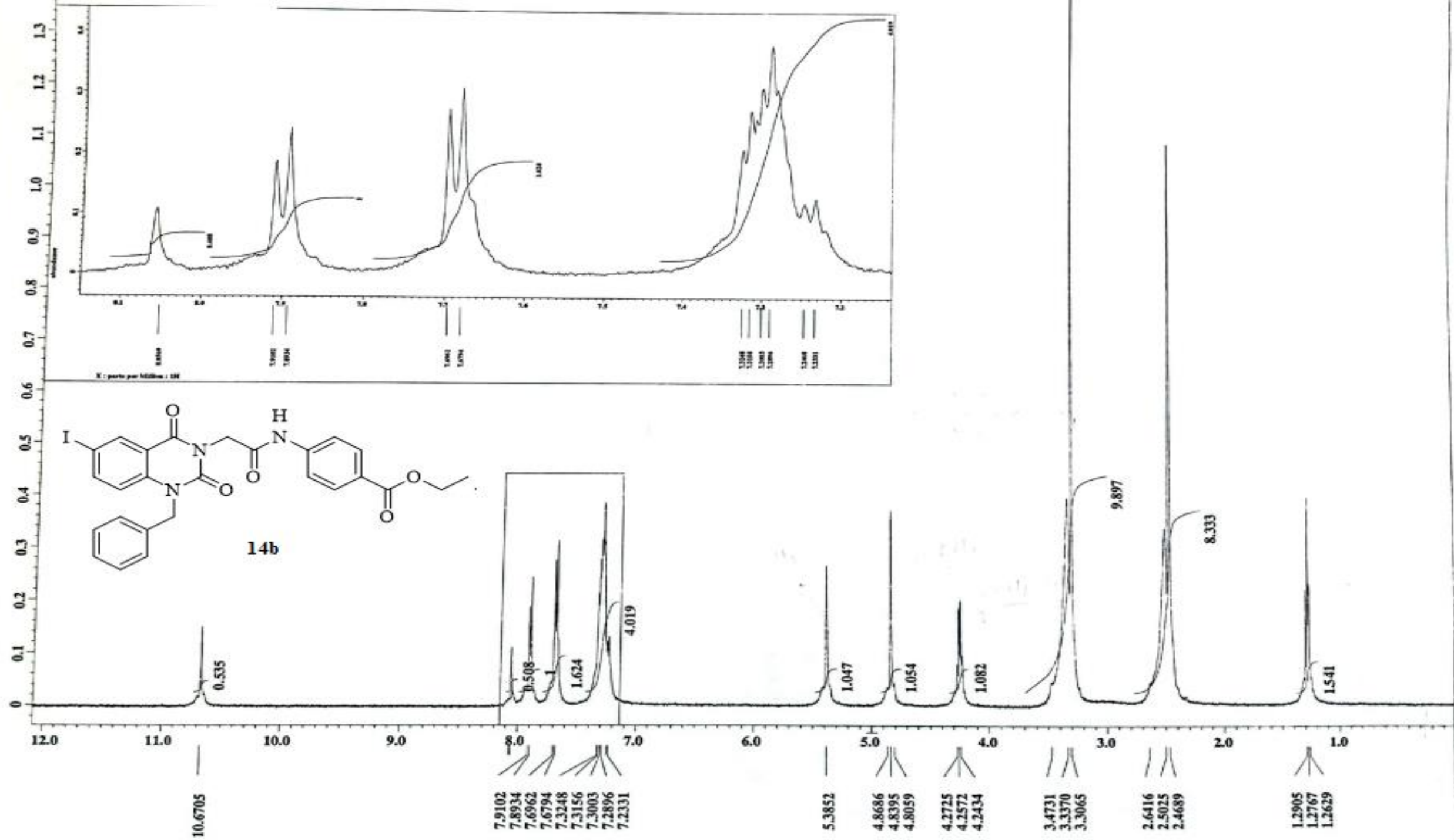
F2 - Processing parameters
SI 32768
SF 100.6177975 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

170.62
166.09
158.74
153.06
149.59
141.24
137.09
132.29
129.66
126.29
124.11
122.62
117.08
112.68
109.38
96.25

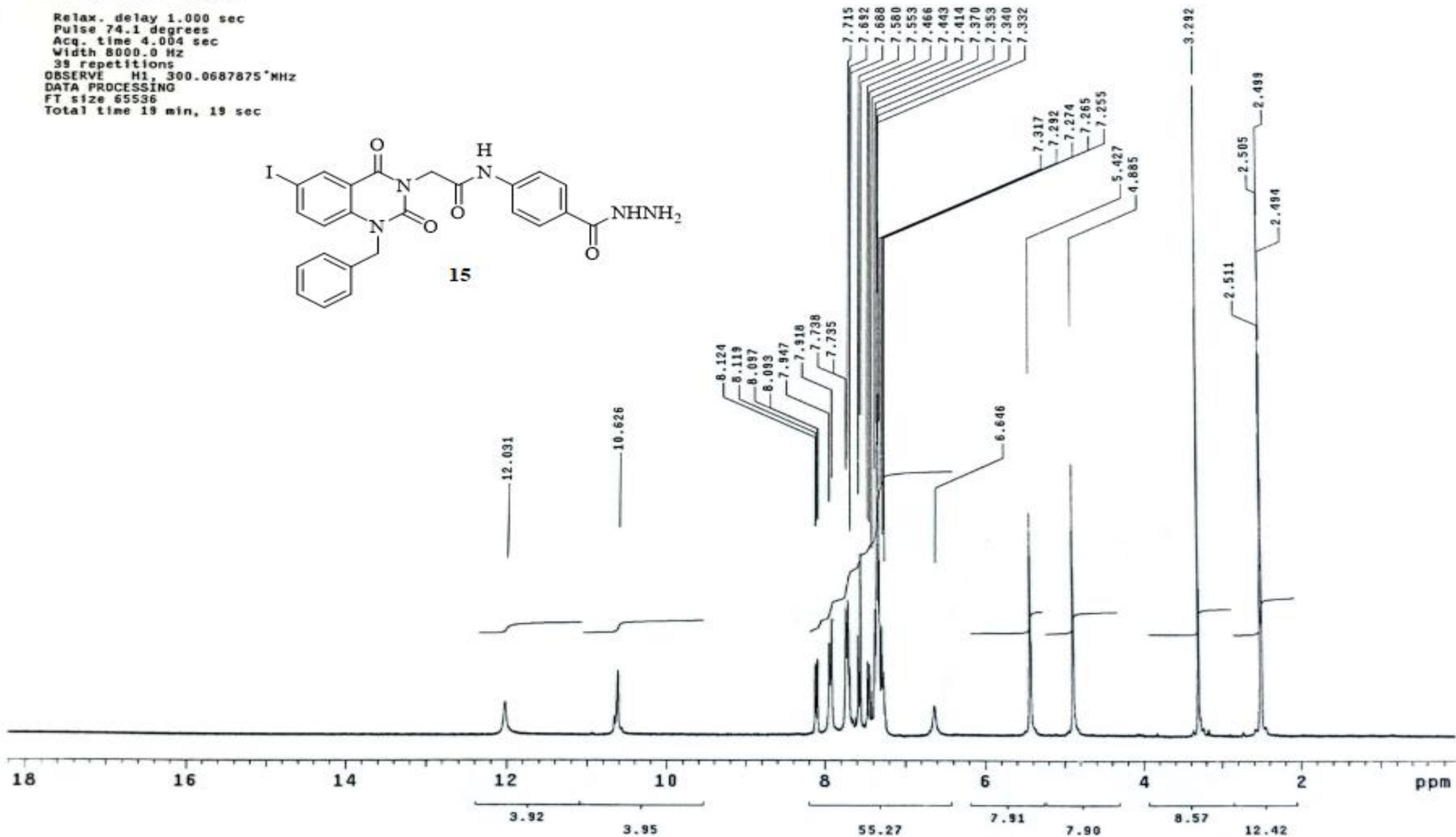
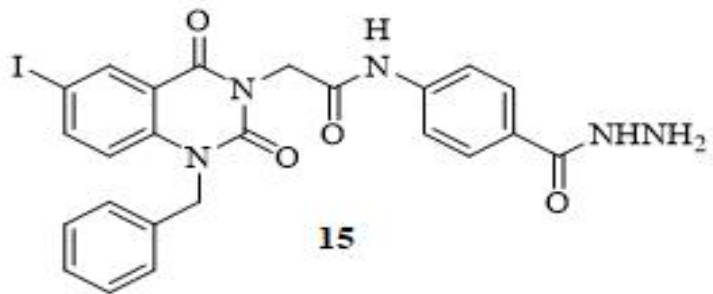
57.08
54.66
40.50
40.29
40.08
39.87
39.67
39.46
39.25
33.09

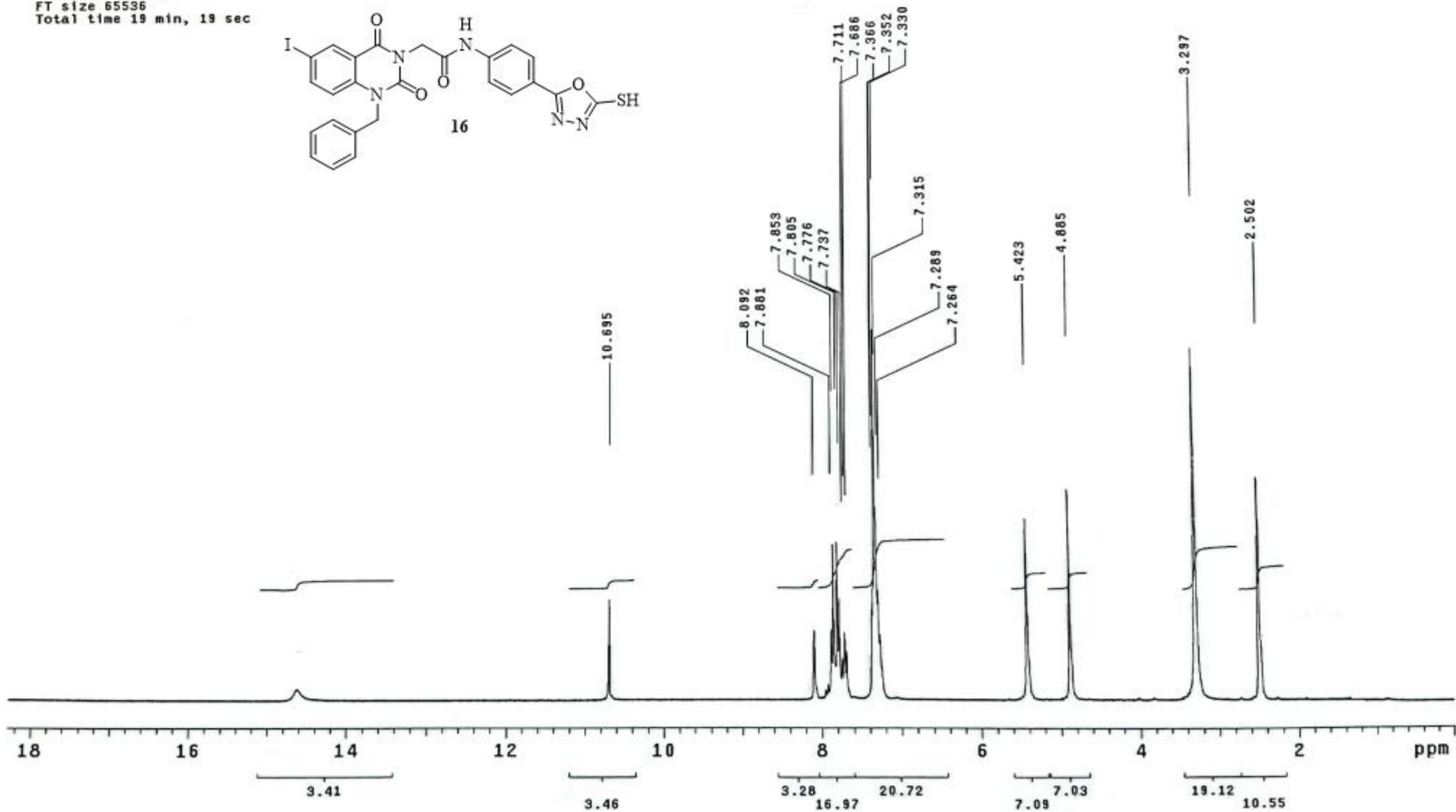
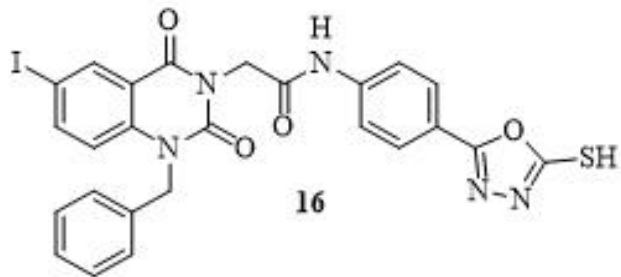


abundance

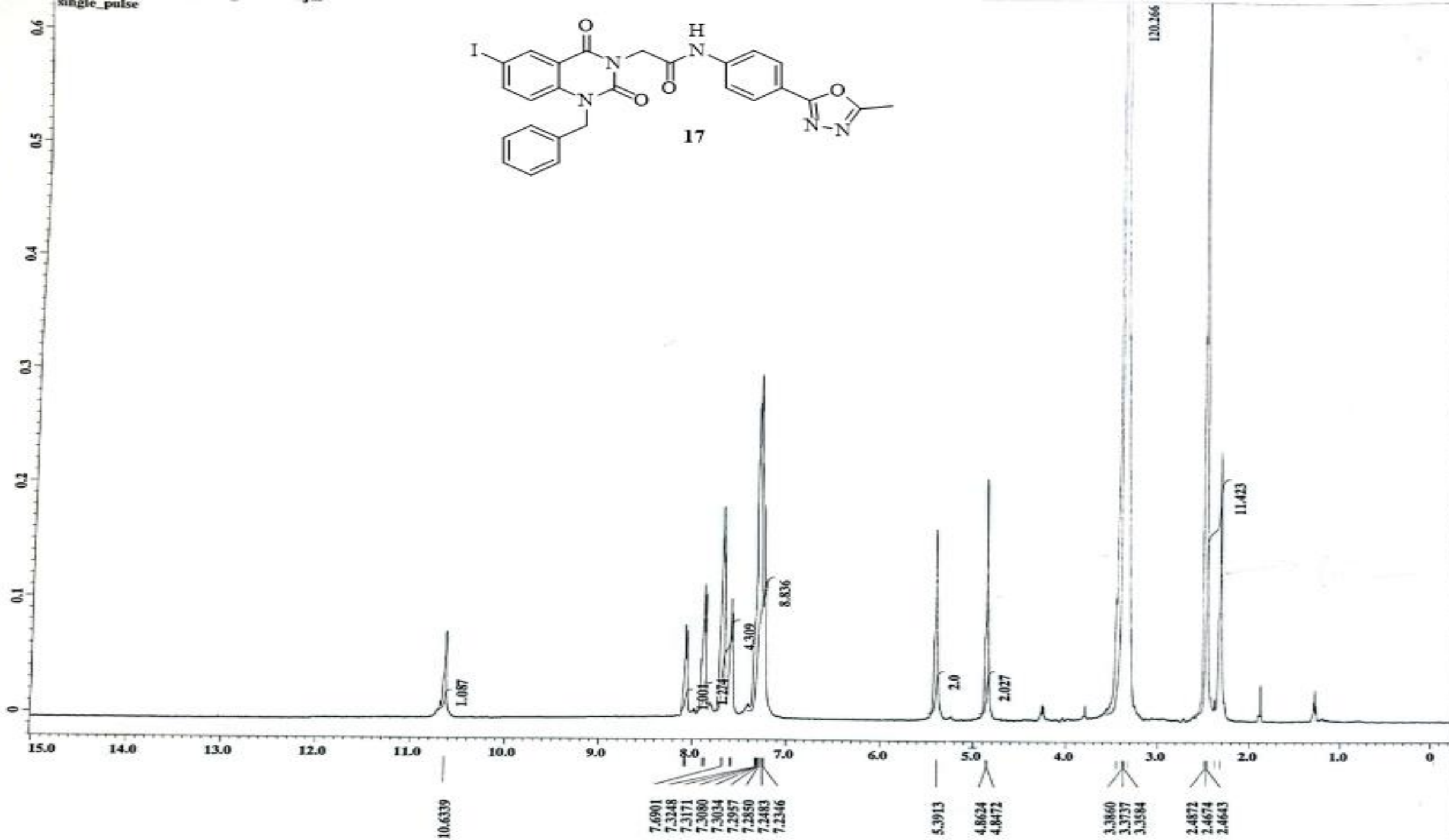


Relax. delay 1.000 sec
 Pulse 74.1 degrees
 Acq. time 4.004 sec
 Width 8000.0 Hz
 39 repetitions
 OBSERVE H1, 300.0687875 MHz
 DATA PROCESSING
 FT size 65536
 Total time 19 min, 19 sec



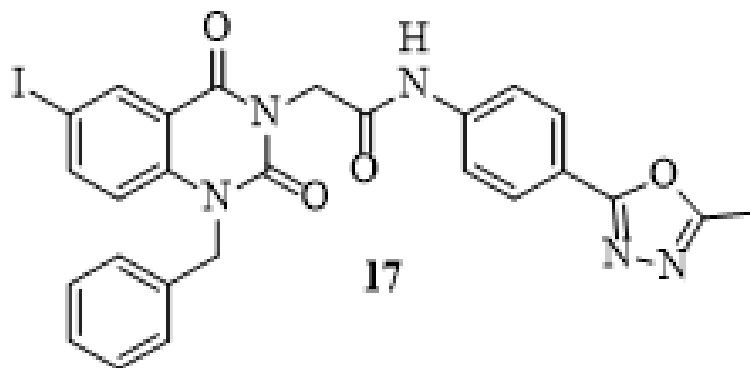


abundance





Current Data Parameters

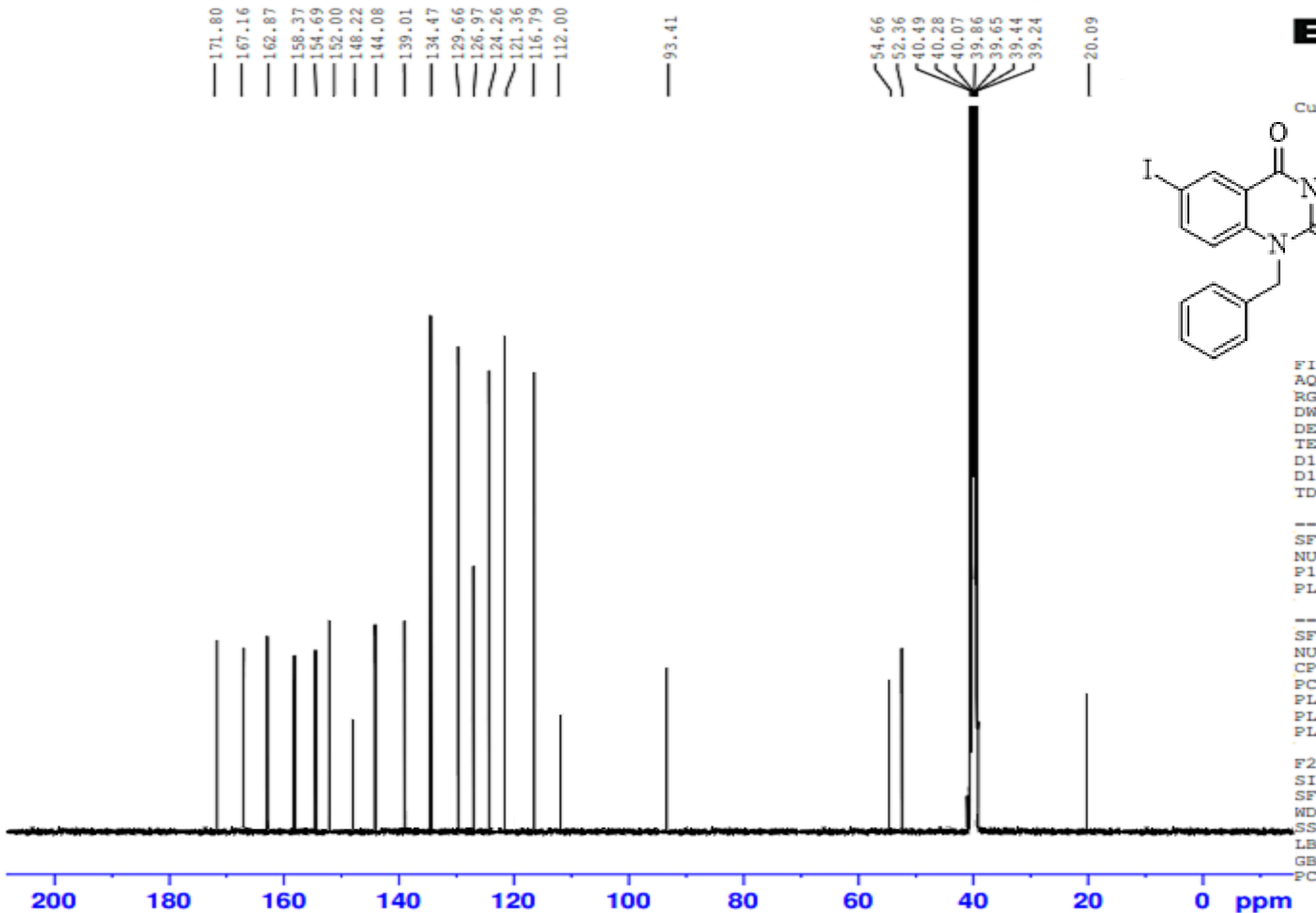


```
FIDRES      0.366798 Hz
AQ          1.3631488 sec
RG          205.37
DW          20.800 usec
DE          6.50 usec
TE          300.0 K
D1          2.0000000 sec
D11         0.0300000 sec
TD0         1
```

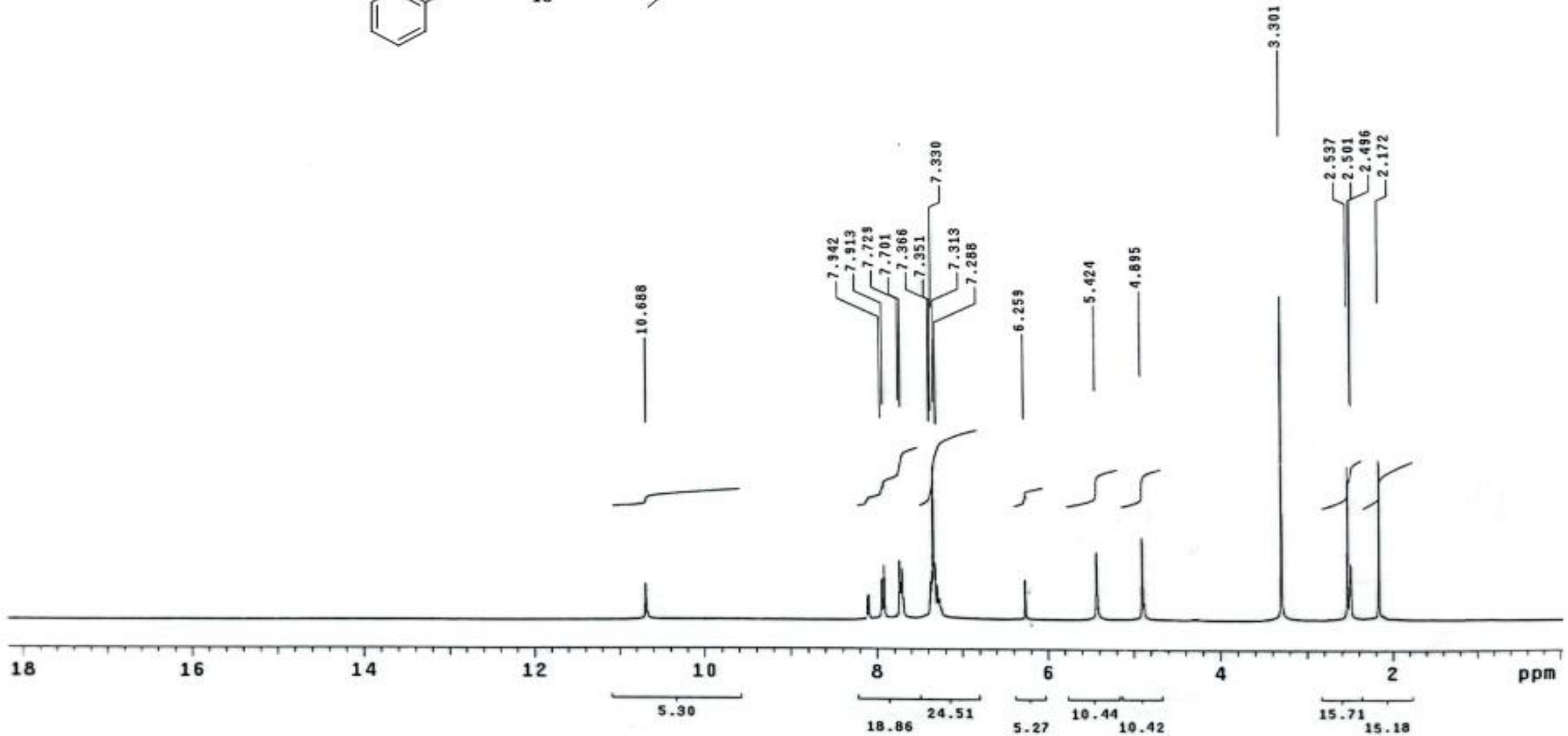
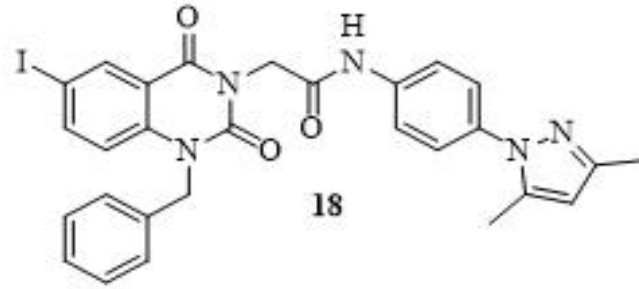
```
----- CHANNEL f1 -----
SFO1       100.6278588 MHz
NUC1        13C
P1          10.00 usec
PLW1       47.00000000 W
```

```
----- CHANNEL f2 -----
SFO2       400.1516006 MHz
NUC2         1H
CPDPRG[2    waltz16
PCPD2       90.00 usec
PLW2       18.00000000 W
PLW12      0.34722000 W
PLW13      0.28125000 W
```

```
F2 - Processing parameters
SI          32768
SF          100.6177975 MHz
WDW         EM
SSB         0
LB          1.00 Hz
GB          0
PC          1.40
```

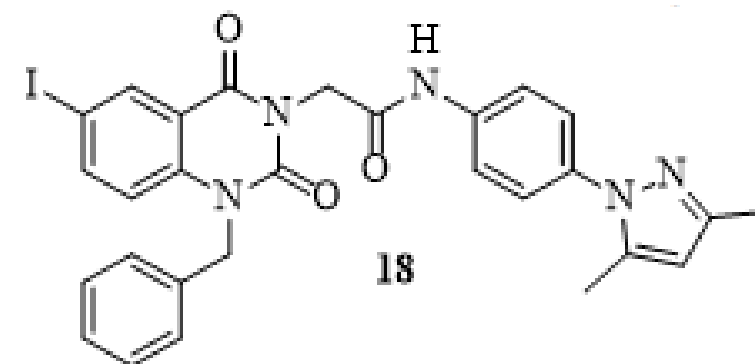


Pulse 74.1 degrees
Acq. time 4.004 sec
Width 8000.0 Hz
13 repetitions
OBSERVE H1, 300.0687875 MHz
DATA PROCESSING
FT size 65536
Total time 19 min, 19 sec





Current Data Parameters



```
-----  
AQ          1.3631488  sec  
RG          205.37  
DW          20.800  usec  
DE          6.50  usec  
TE          300.0  K  
D1          2.0000000  sec  
D11         0.0300000  sec  
TD0         1
```

```
----- CHANNEL f1 -----  
SFO1        100.6278588  MHz  
NUC1         13C  
P1          10.00  usec  
PLW1        47.0000000  W
```

```
----- CHANNEL f2 -----  
SFO2        400.1516006  MHz  
NUC2         1H  
CPDPRG(2)   waltz16  
PCPD2        90.00  usec  
PLW2        18.0000000  W  
PLW12       0.3472200  W  
PLW13       0.2812500  W
```

```
F2 - Processing parameters  
SI          32768  
SF          100.6177975  MHz  
WDW         EM  
SSB         0  
LB          1.00  Hz  
GB          0  
PC          1.40
```

