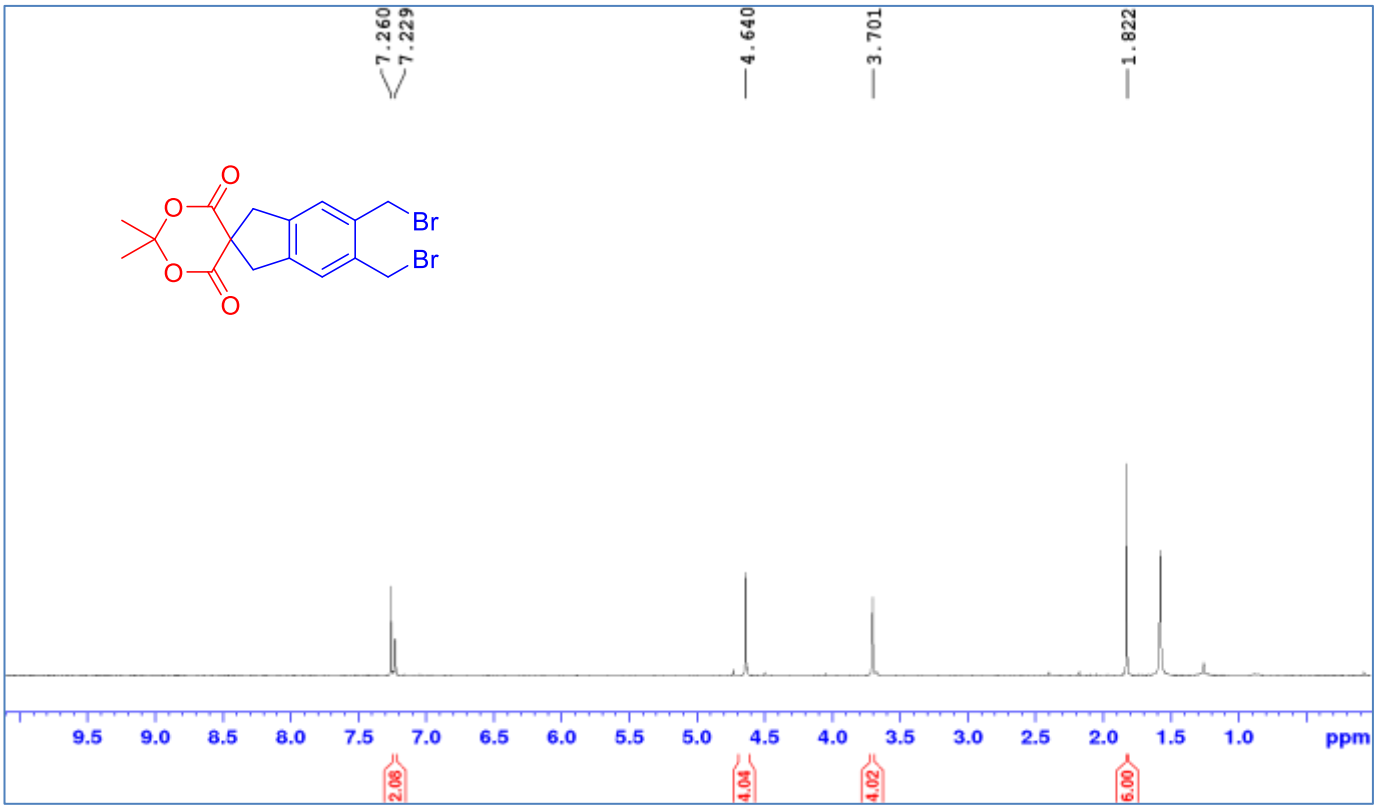
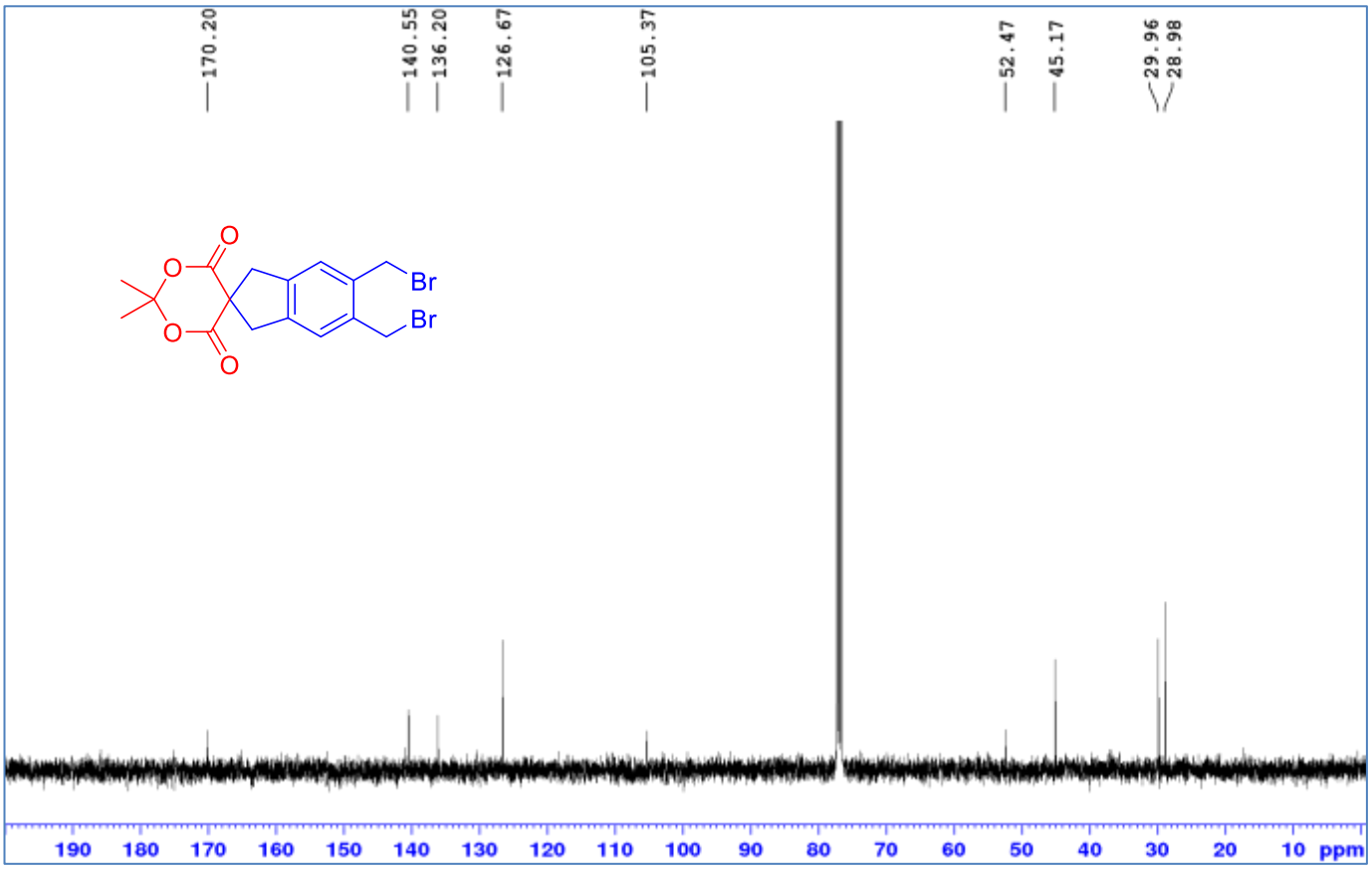
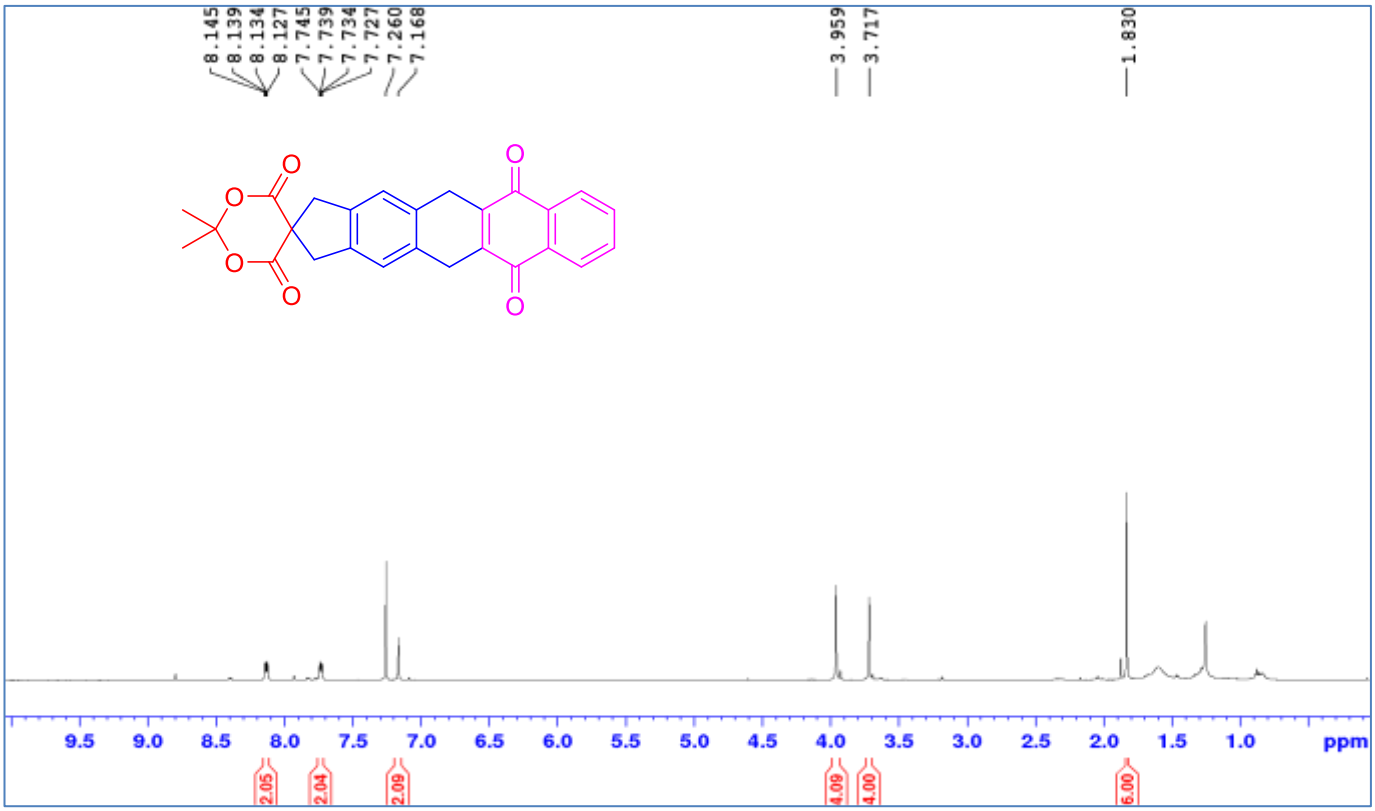
Supporting Information

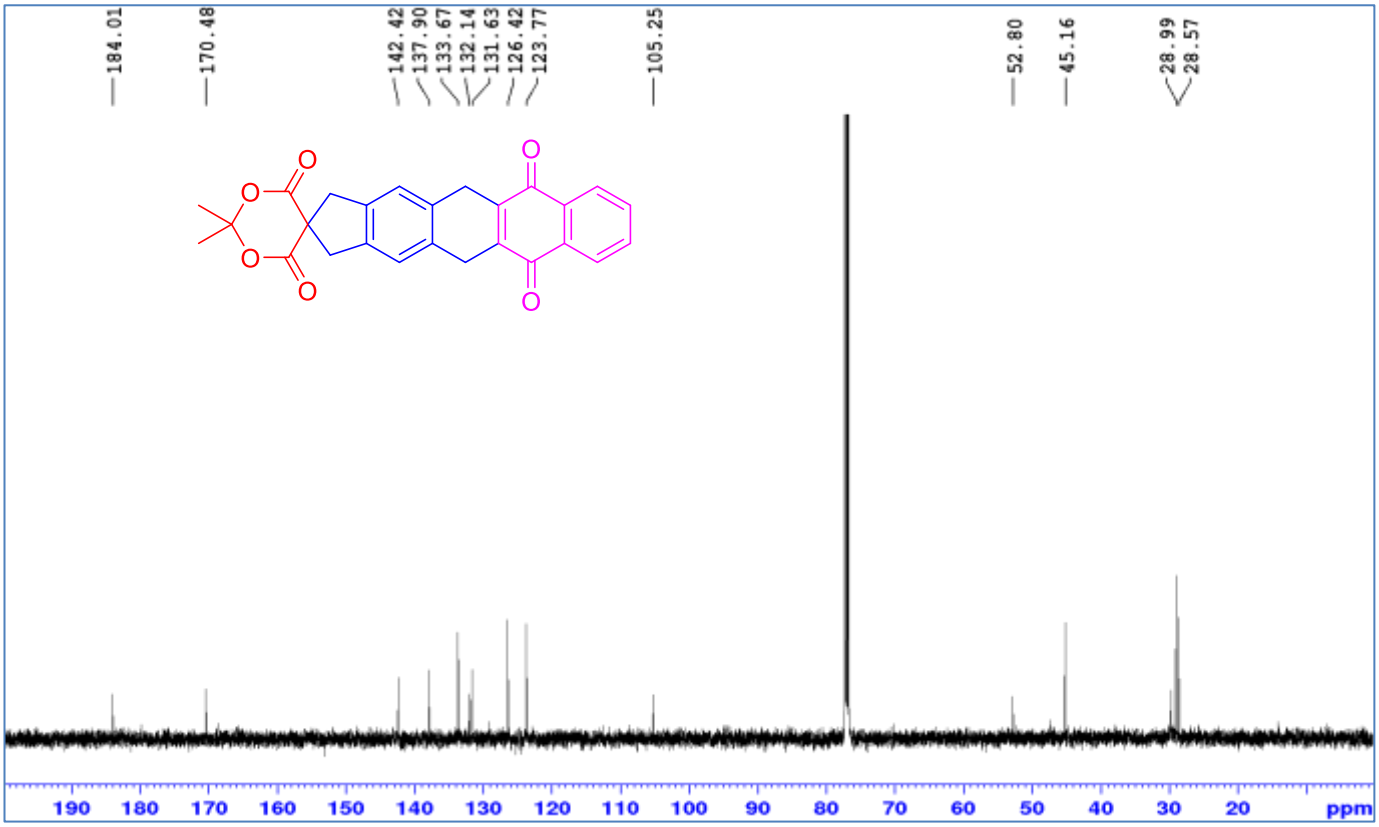
FUNCTIONALIZATION OF MELDRUM'S ACID BY DIELS–ALDER APPROACH

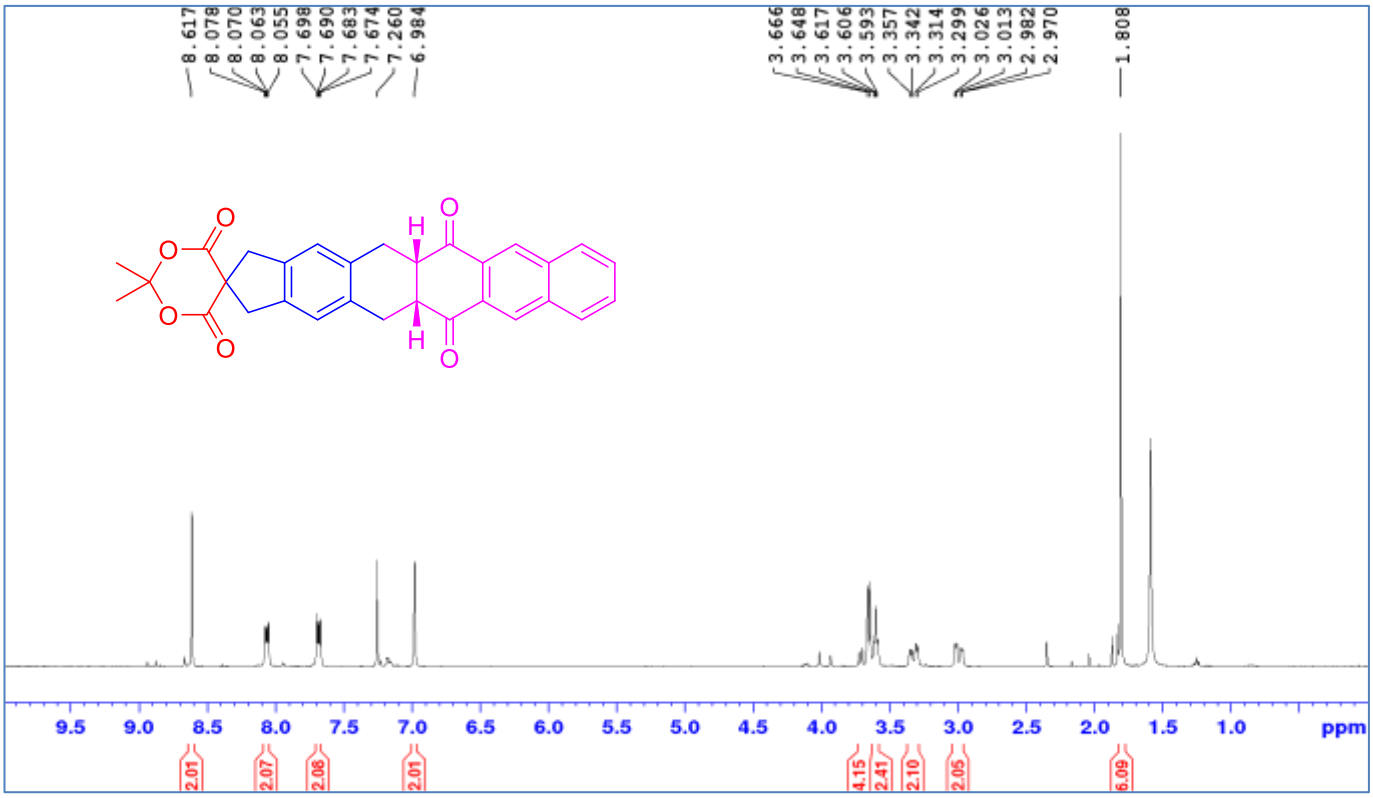
1. Plots of ^{1}H NMR & ^{13}C NMR spectral data all new compounds 2-7

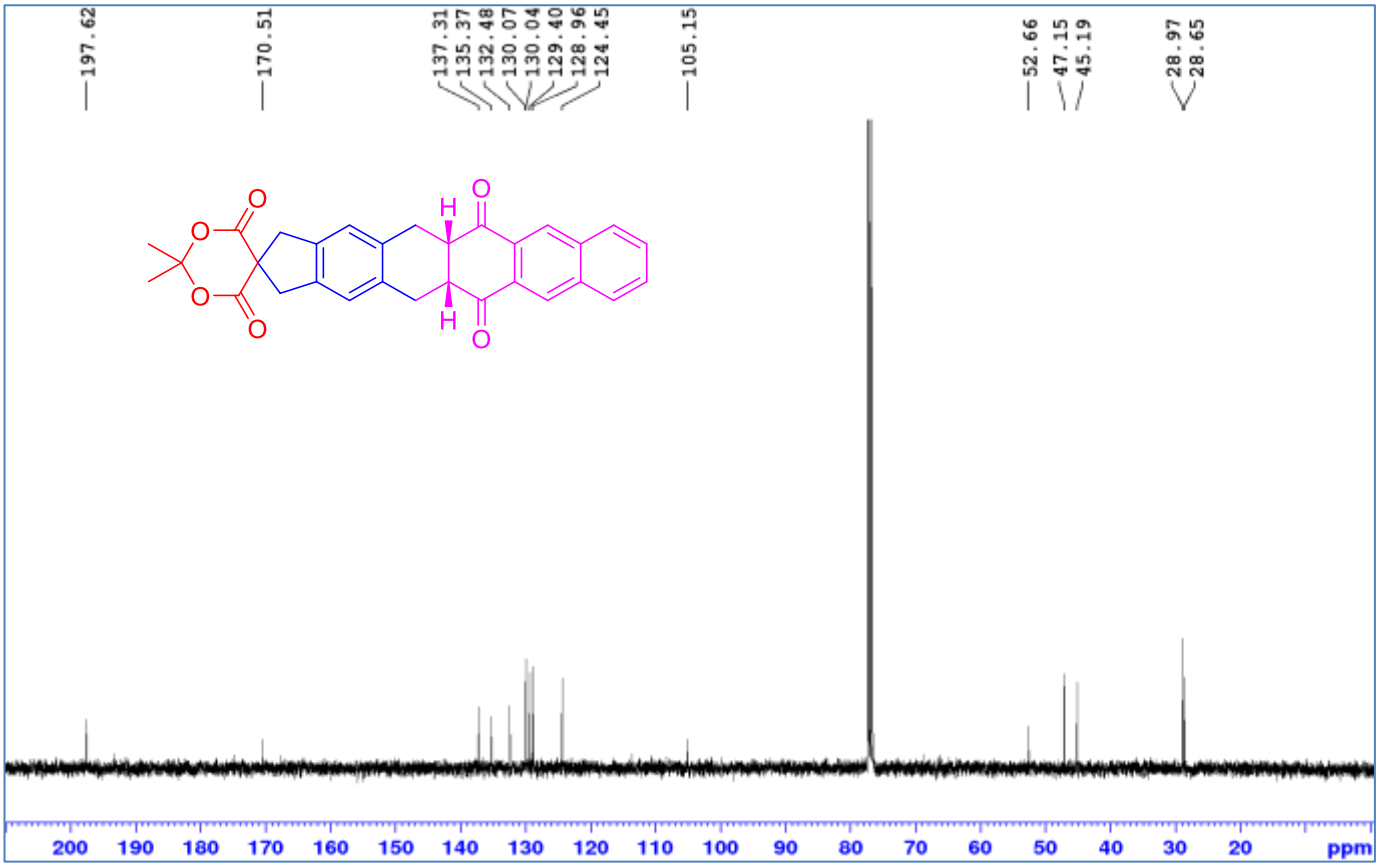

7.260
7.229
4.640
3.701
1.822
O
O
O
O
Br
Br
9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 ppm
2.08
4.04
4.02
6.00

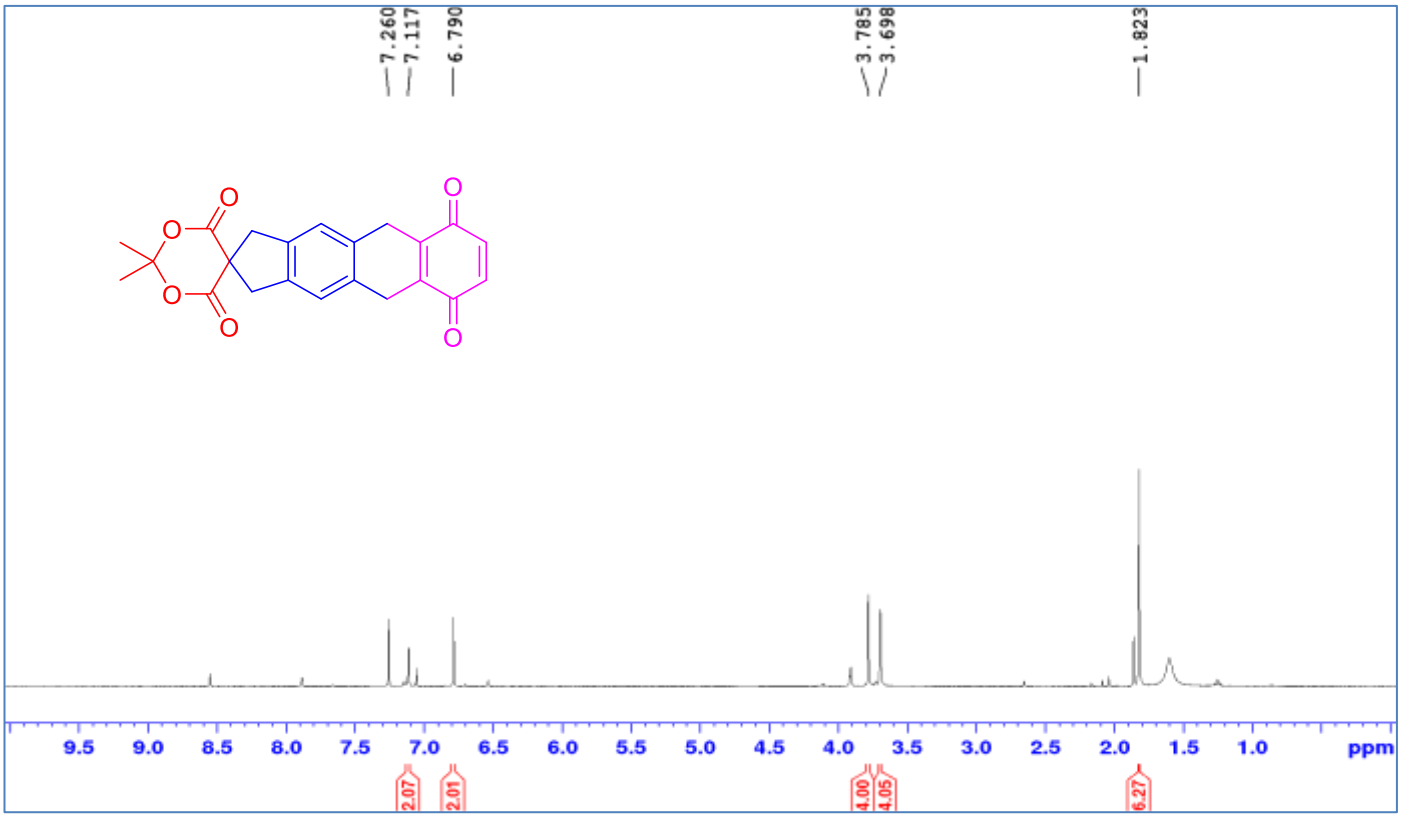

170.20
140.55
136.20
126.67
105.37
52.47
45.17
29.96
28.98
O
O
O
O
Br
Br
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ppm

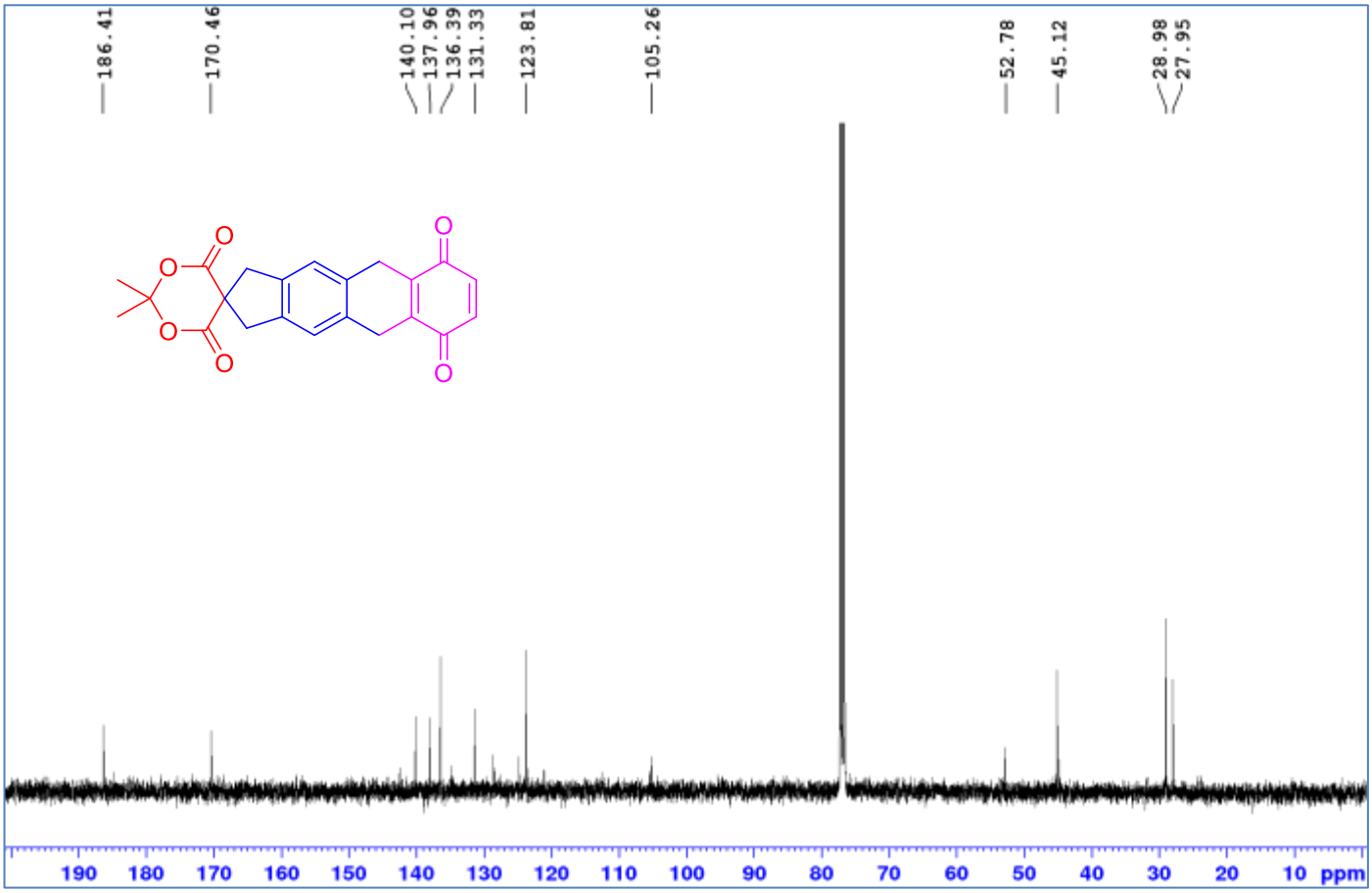

8.145
8.139
8.134
8.127
7.745
7.739
7.734
7.727
7.260
7.168
3.959
3.717
1.830
9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 ppm
2.05
2.04
2.09
4.09
4.00
6.00

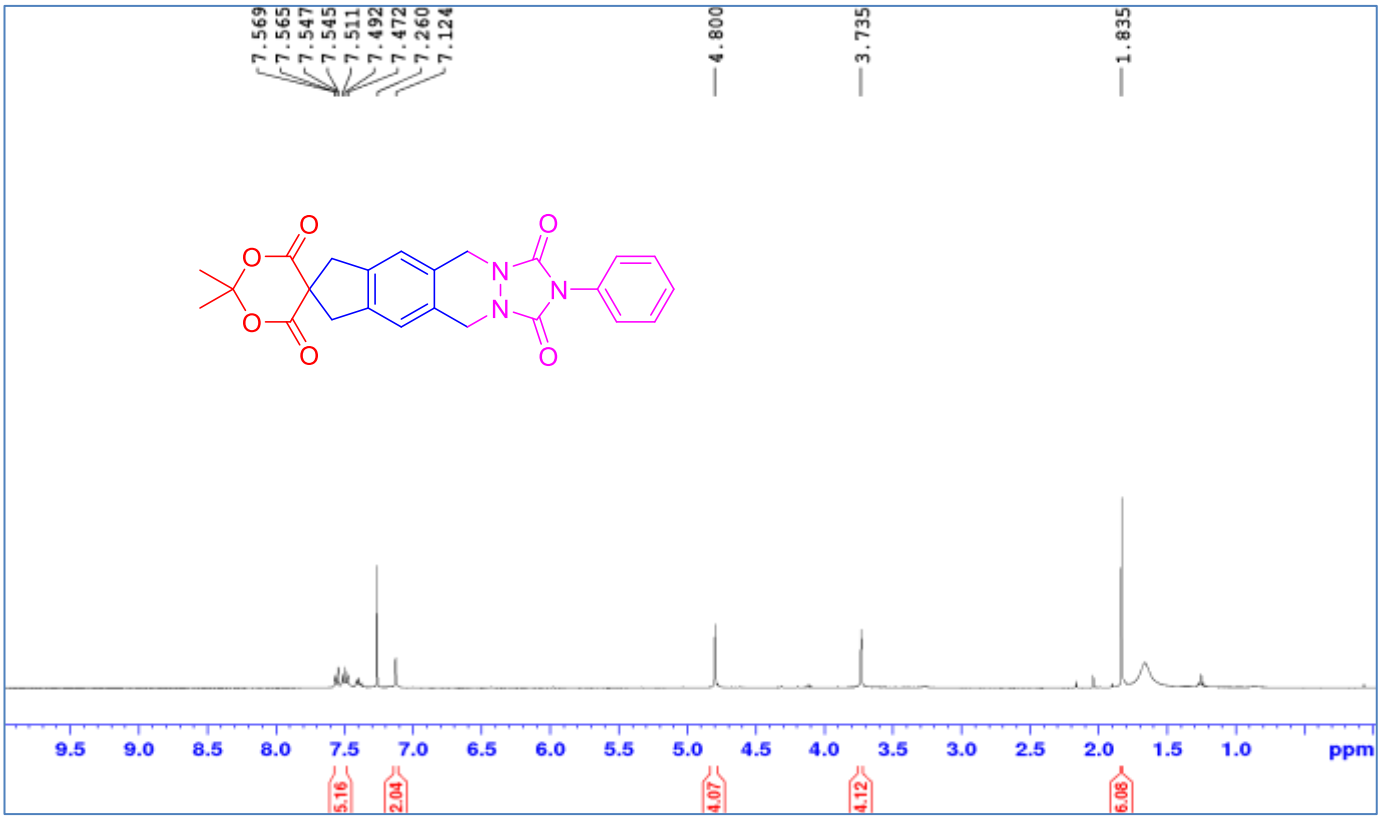

184.01
170.48
142.42
137.90
133.67
132.14
131.63
126.42
123.77
105.25
52.80
45.16
28.99
28.57
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 ppm

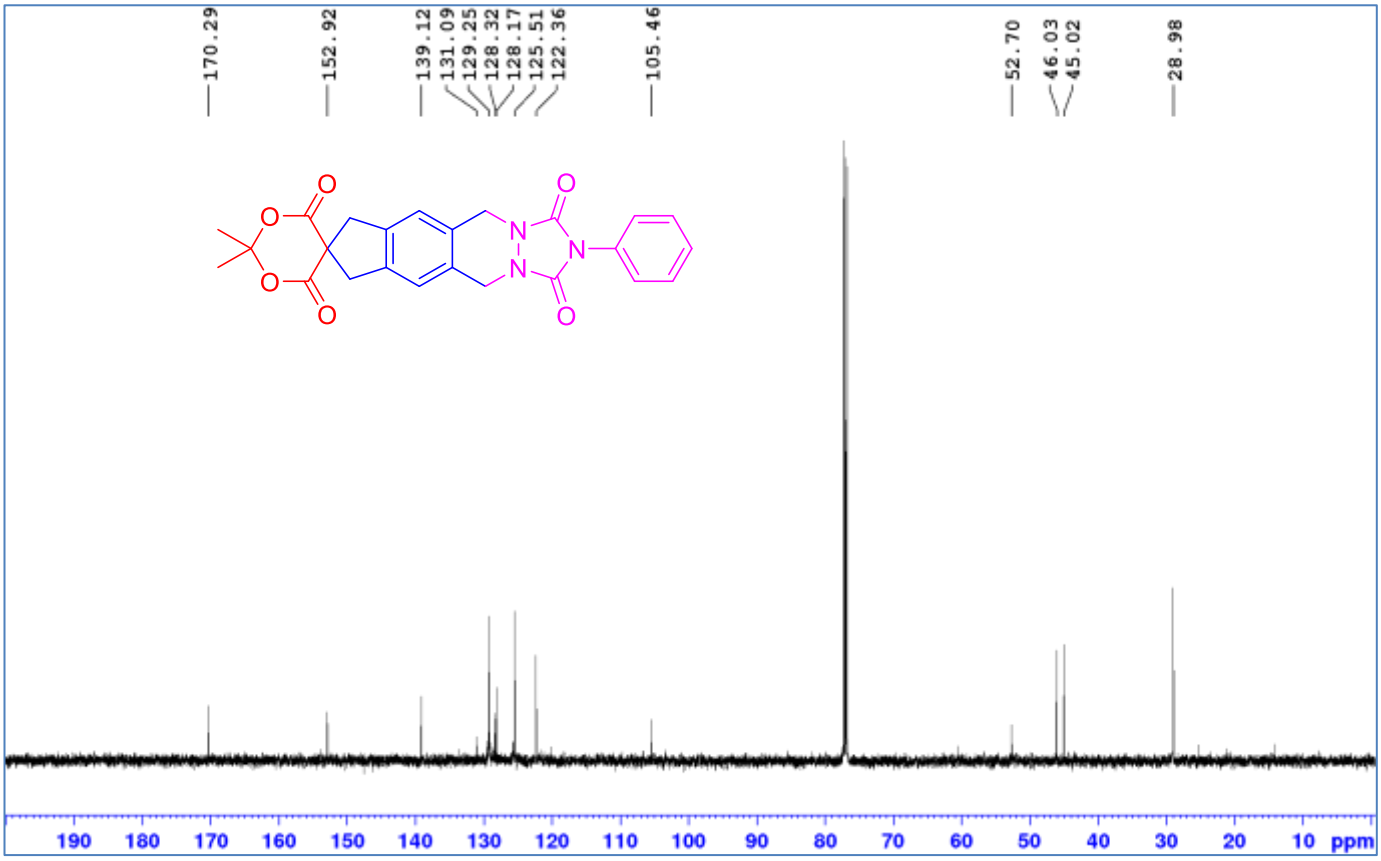

8.617
8.078
8.070
8.063
8.055
7.698
7.690
7.683
7.674
7.260
6.984
3.666
3.648
3.617
3.606
3.593
3.357
3.342
3.314
3.299
3.026
3.013
2.982
2.970
1.808
9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 ppm
2.01
2.07
2.08
2.01
4.15
2.41
2.10
2.05
6.09

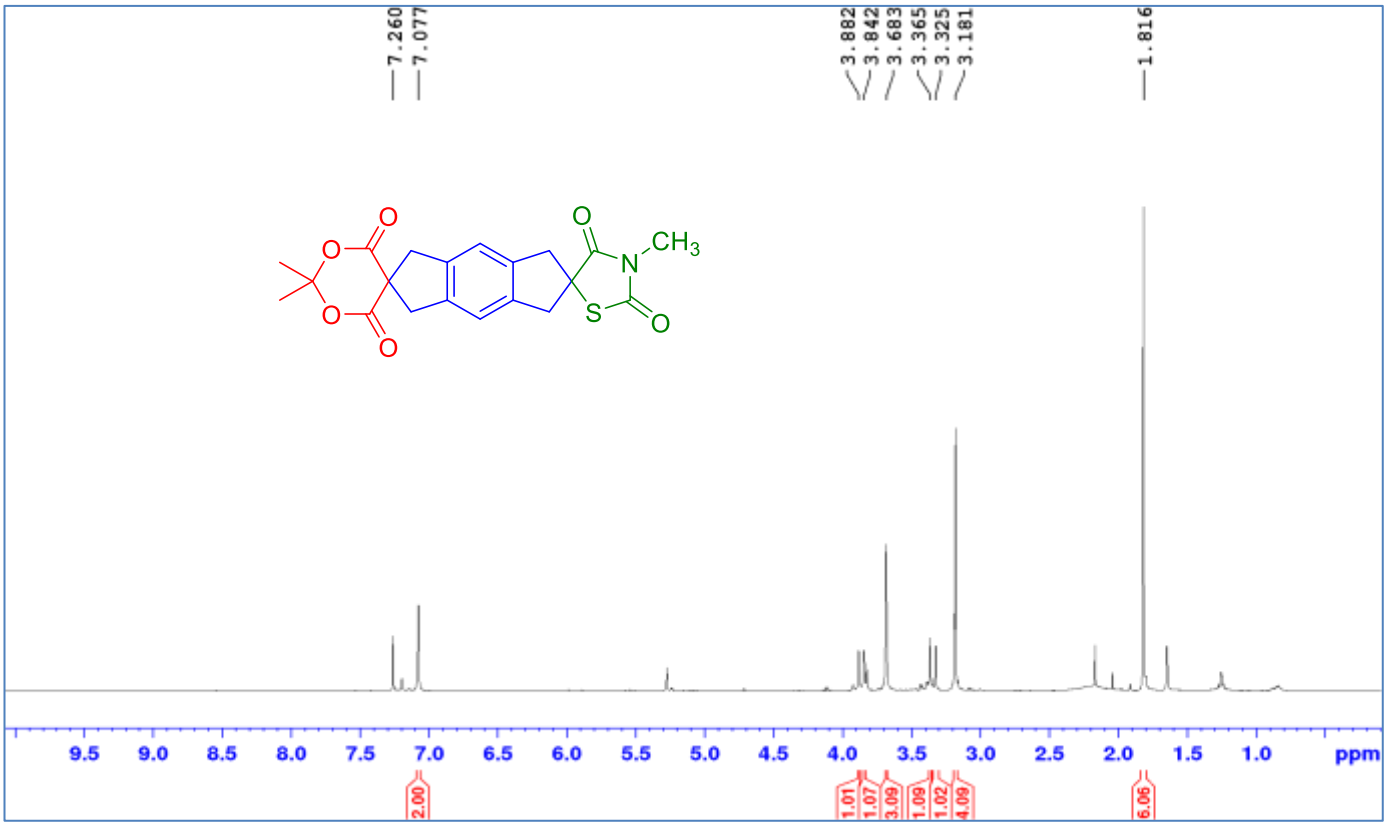

197.62
170.51
137.31
135.37
132.48
130.07
130.04
129.40
128.96
124.45
105.15
52.66
47.15
45.19
28.97
28.65
200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 ppm

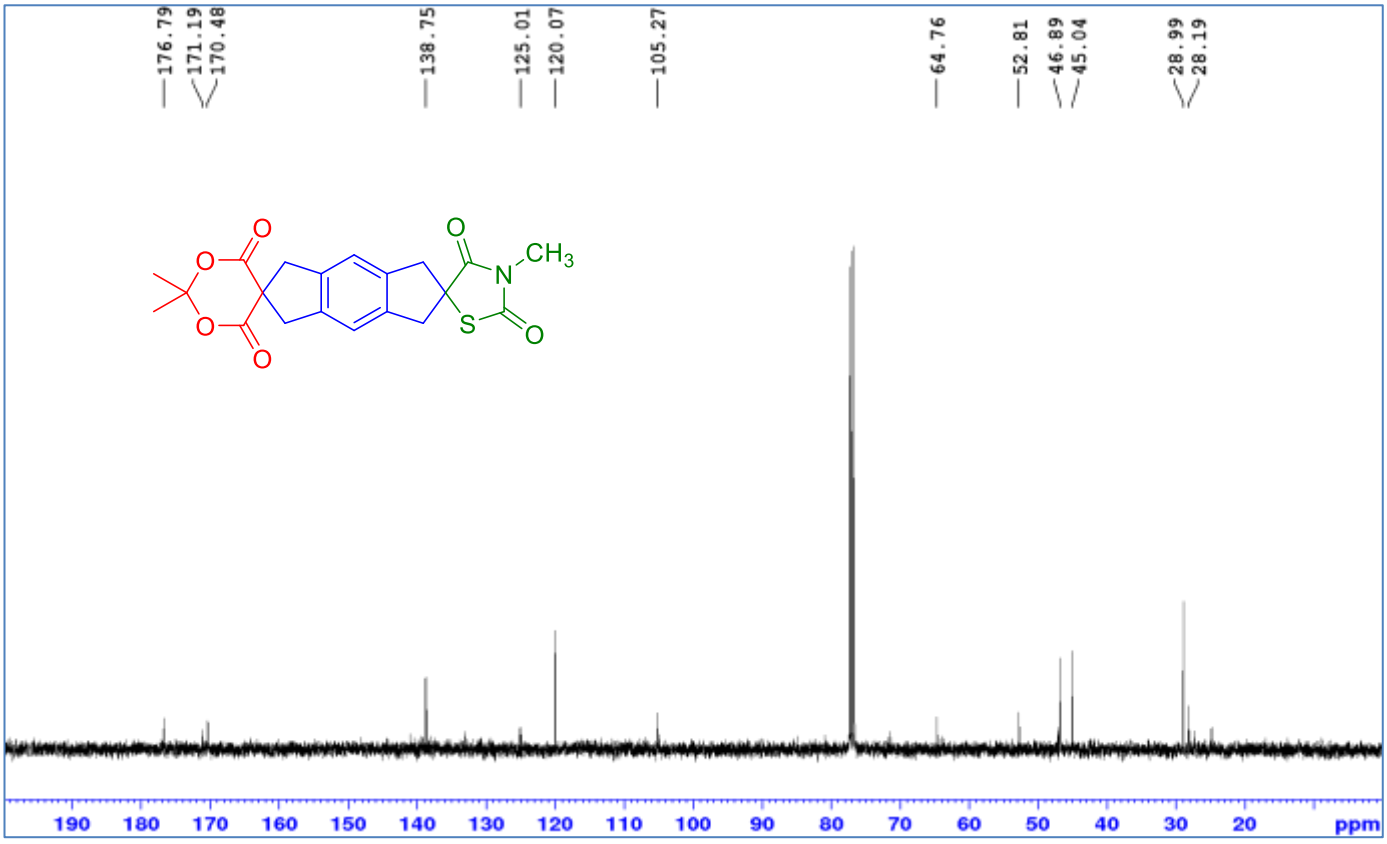

7.260
7.117
6.790
3.785
3.698
1.823
9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 ppm
2.07
2.01
4.00
4.05
6.27


186.41
170.46
140.10
137.96
136.39
131.33
123.81
105.26
52.78
45.12
28.98
27.95
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ppm


7.569
7.565
7.547
7.545
7.511
7.492
7.472
7.260
7.124
4.800
3.735
1.835
9.5 9.0 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 1.0 ppm
5.16
2.04
4.07
4.12
6.08


170.29
152.92
139.12
131.09
129.25
128.32
128.17
125.51
122.36
105.46
52.70
46.03
45.02
28.98
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ppm


7.260
7.077
3.882
3.842
3.683
3.365
3.325
3.181
1.816
O
O
O
O
N
CH3
S
O
9.5 9.0 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 1.0 ppm
2.00
1.01
1.07
3.09
1.09
1.02
4.09
6.06


176.79
171.19
170.48
138.75
125.01
120.07
105.27
64.76
52.81
46.89
45.04
28.99
28.19
O
O
O
O
N
CH3
S
O
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 ppm