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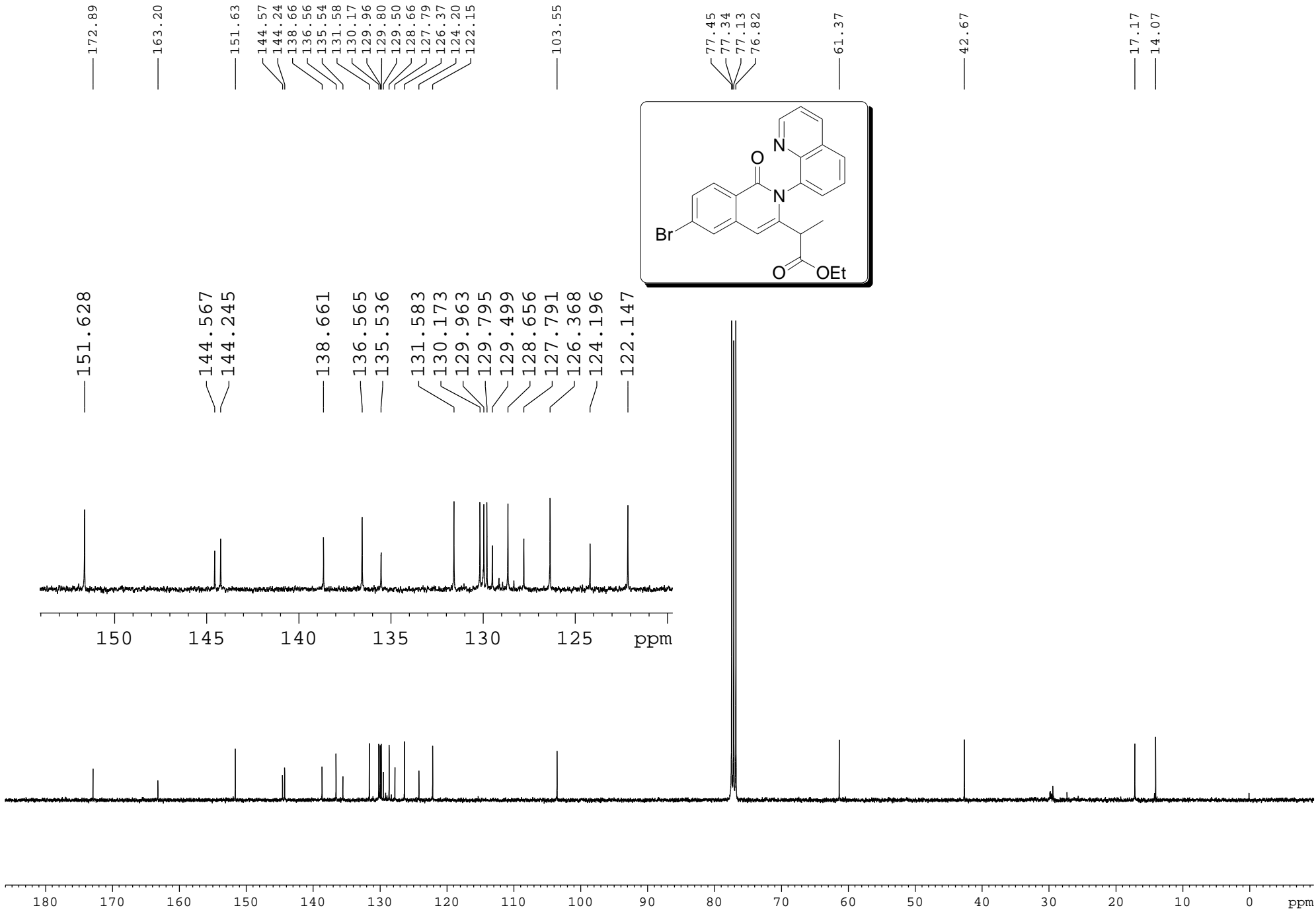
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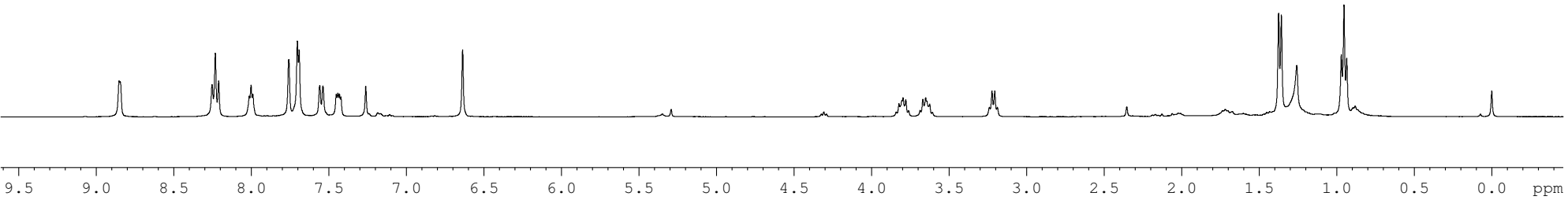
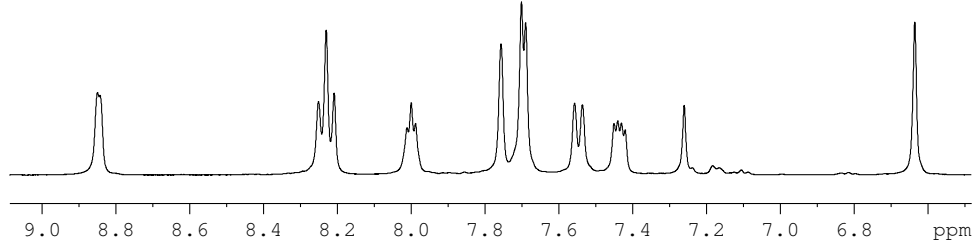
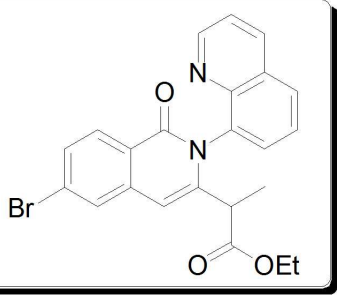
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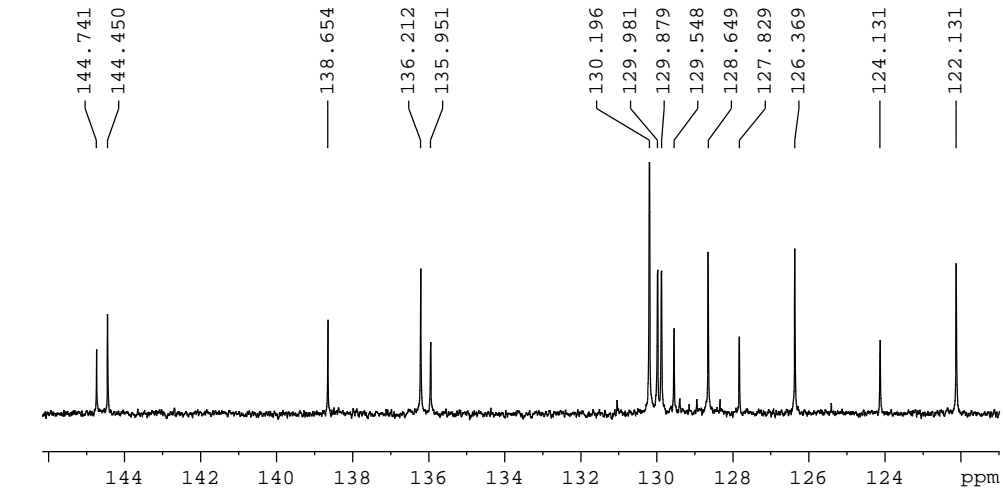




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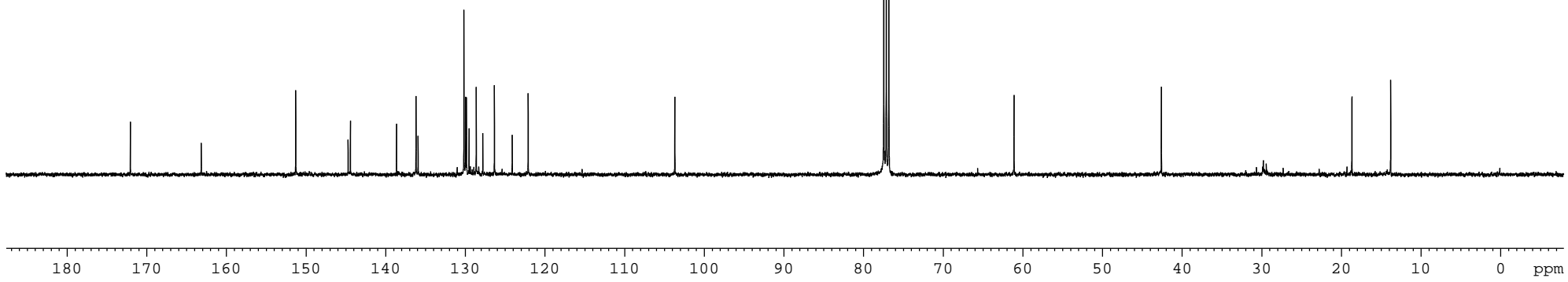
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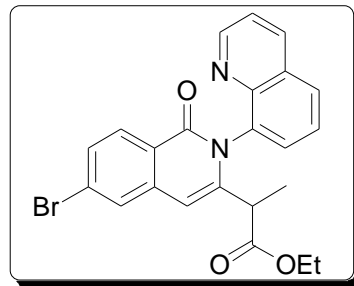
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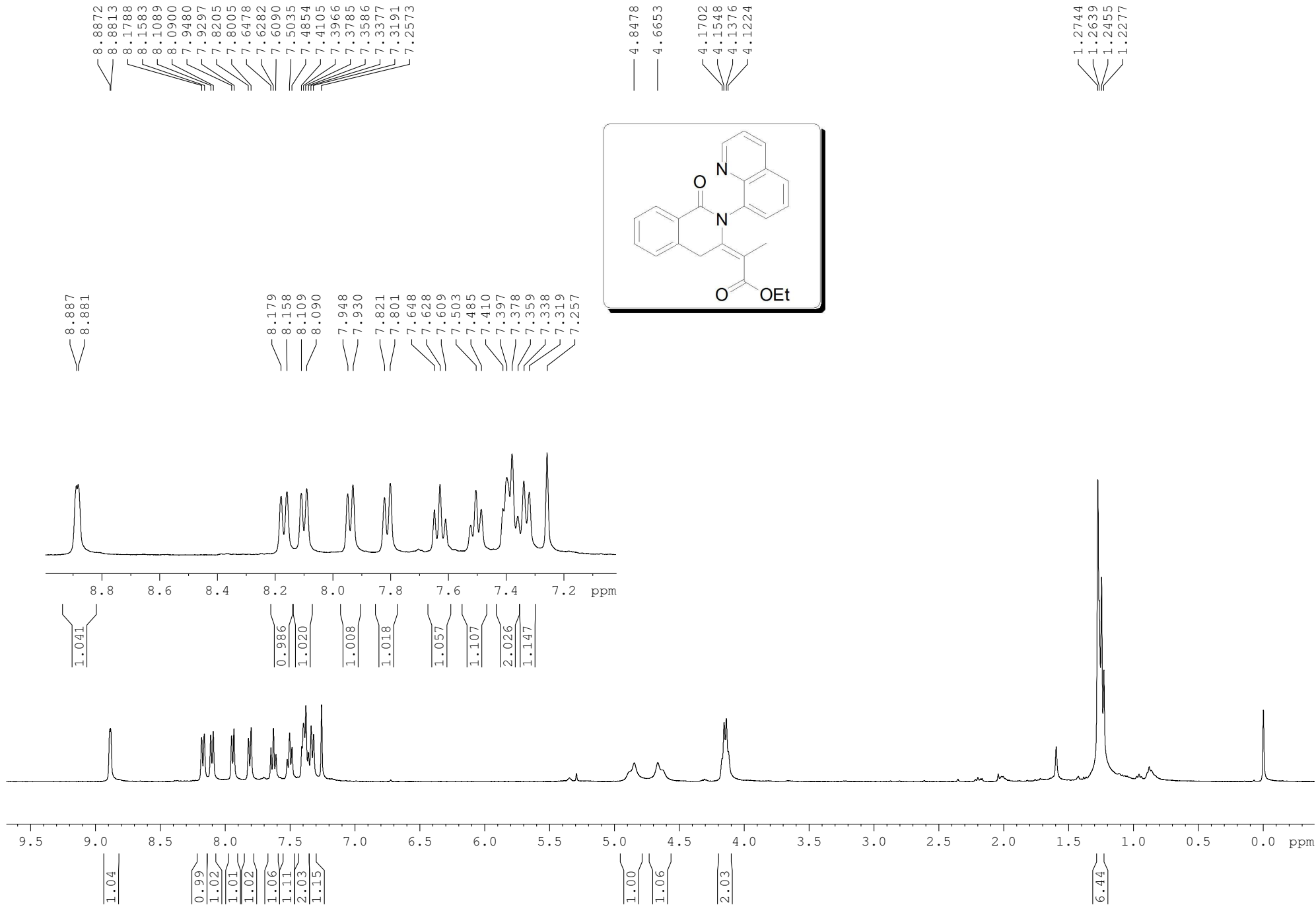
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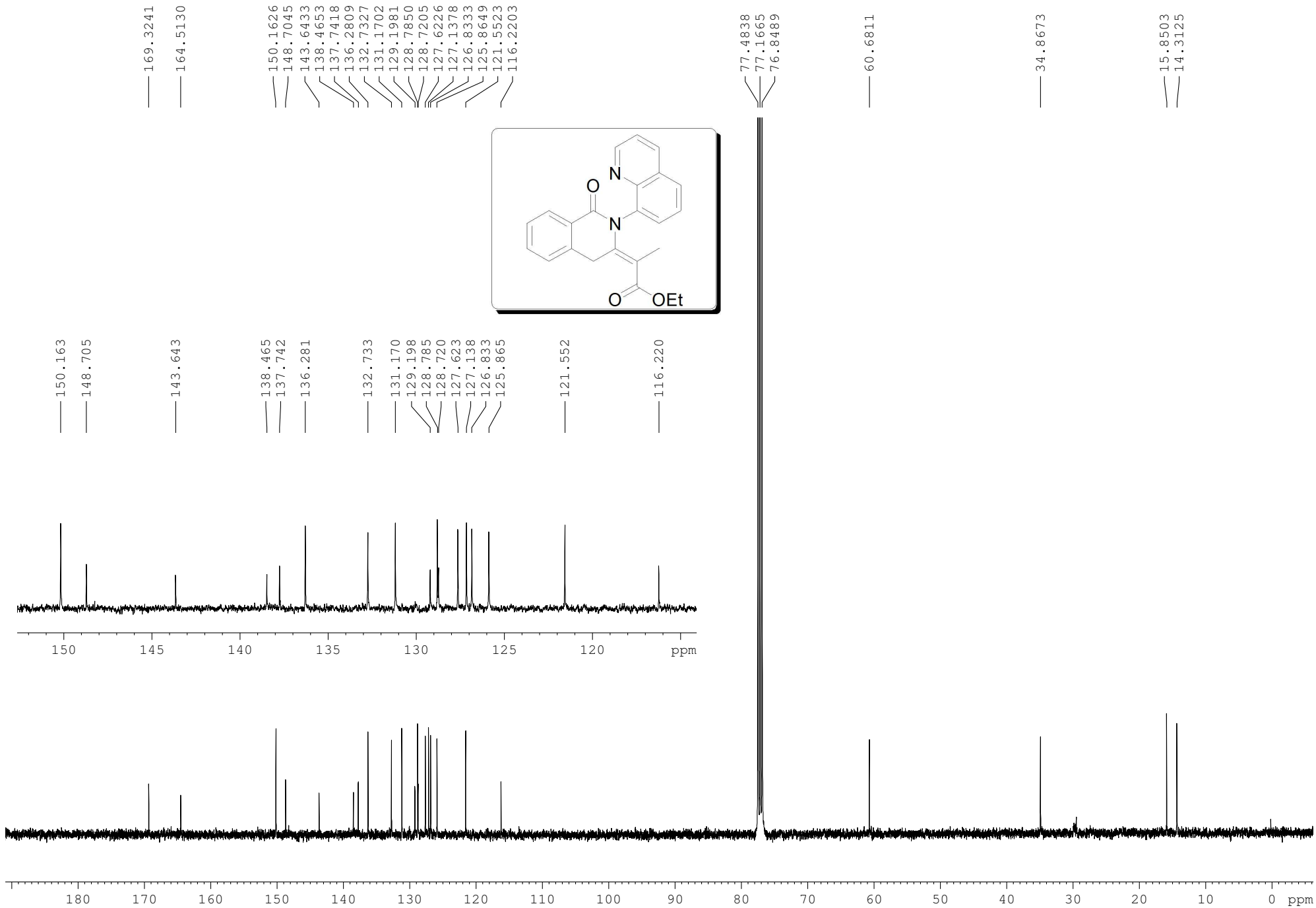
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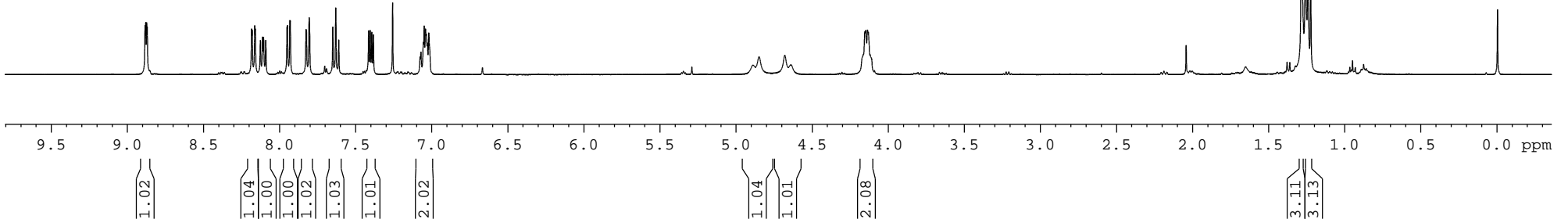
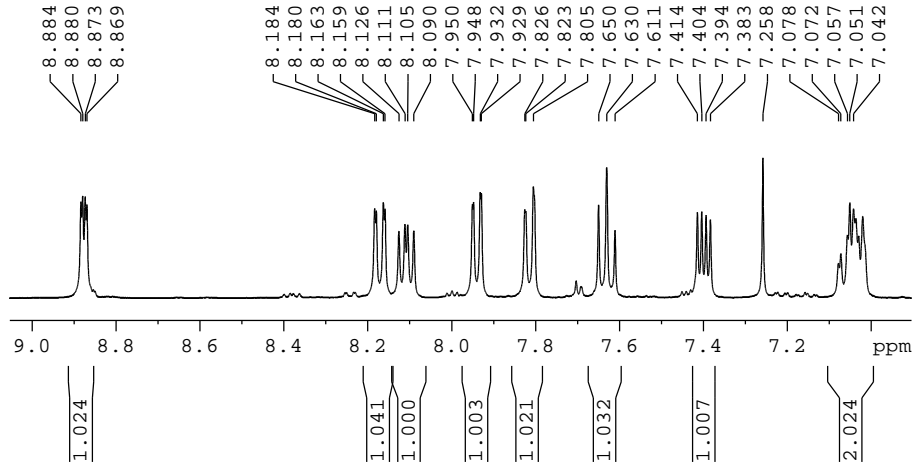
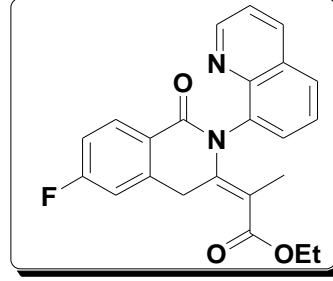


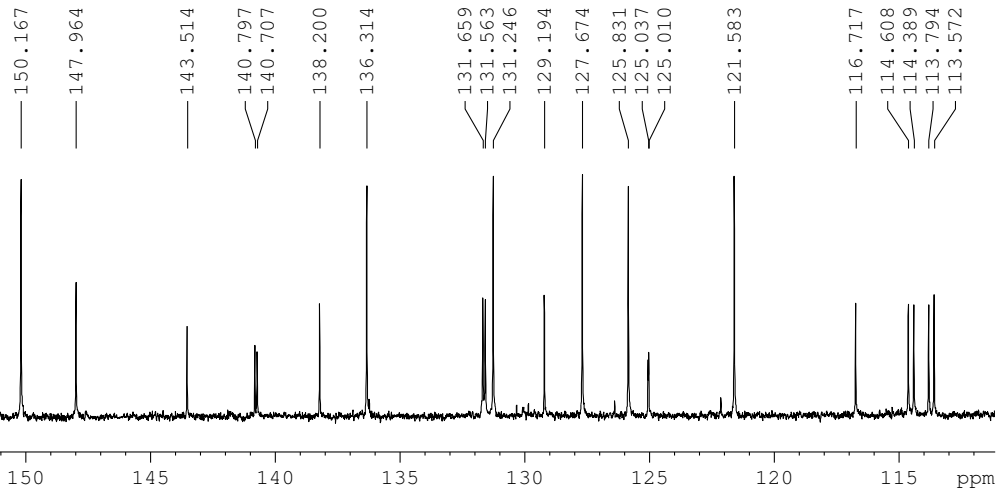
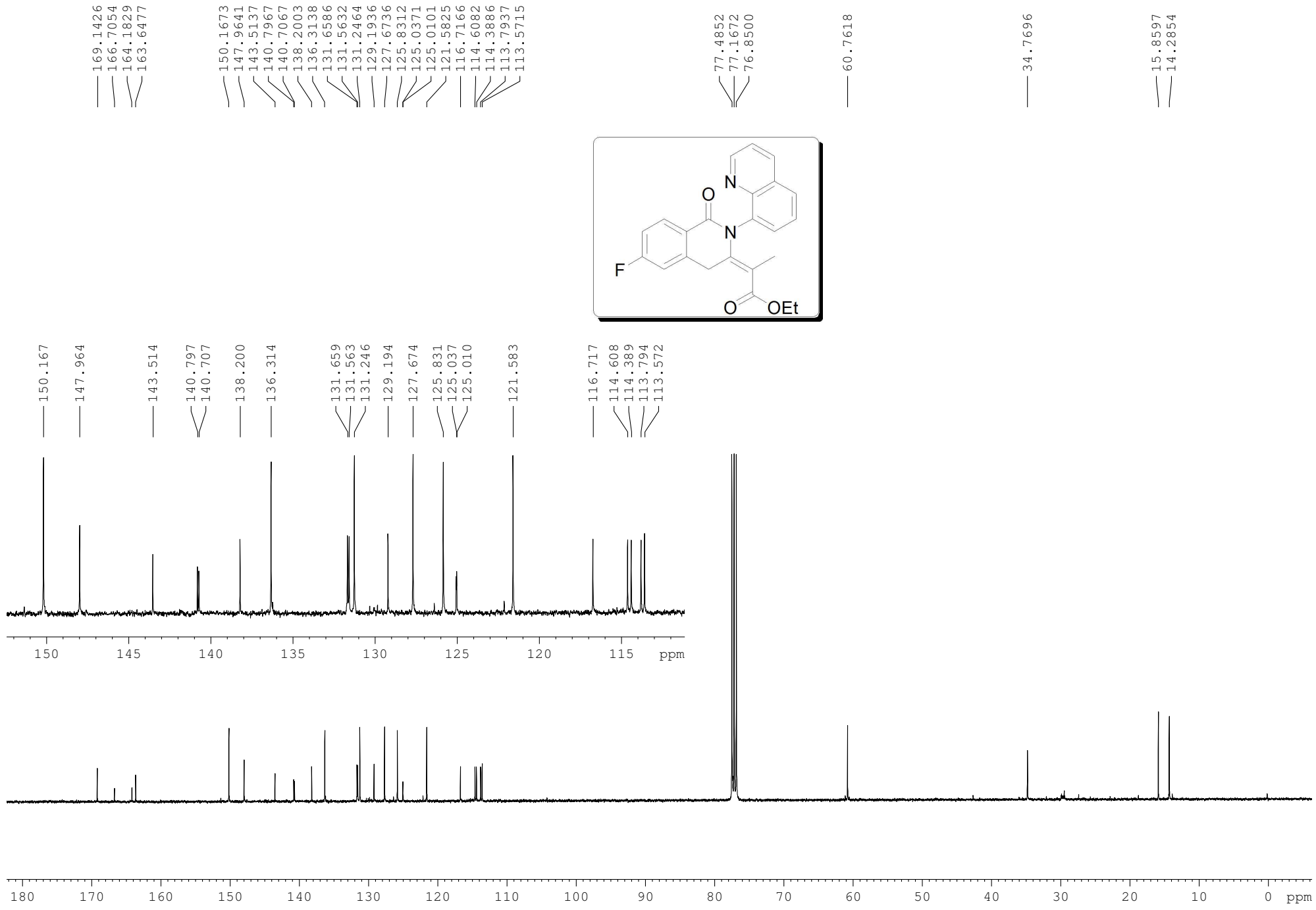


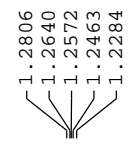
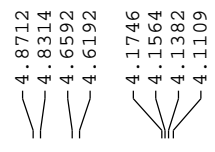
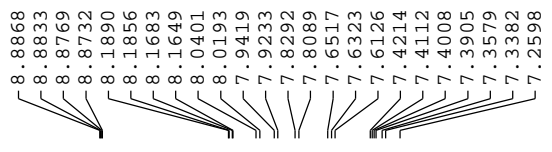
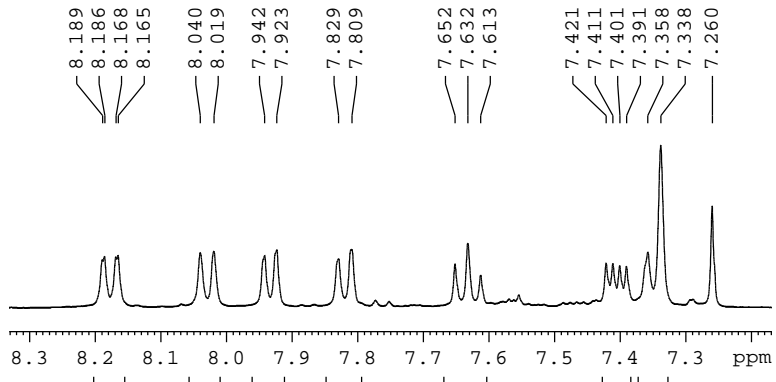
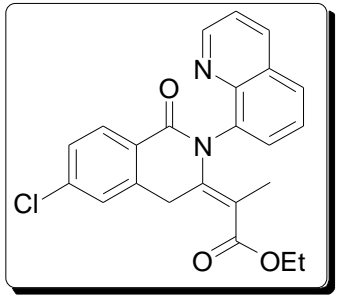
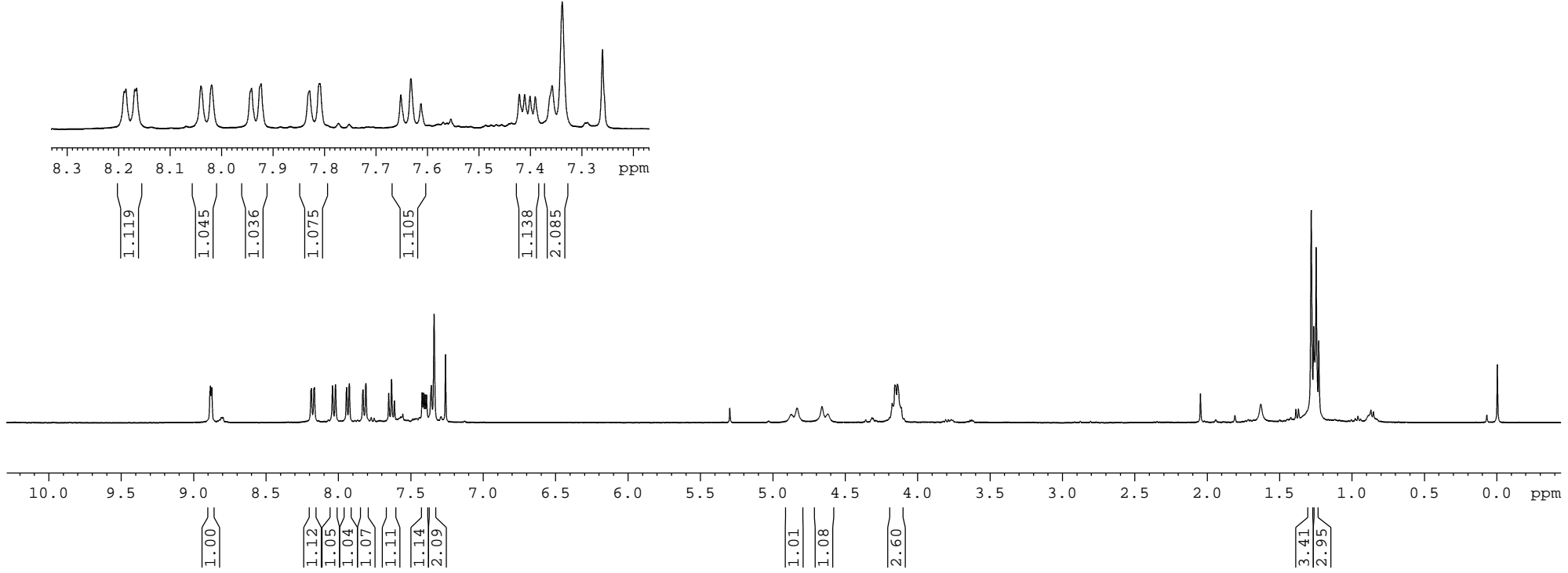
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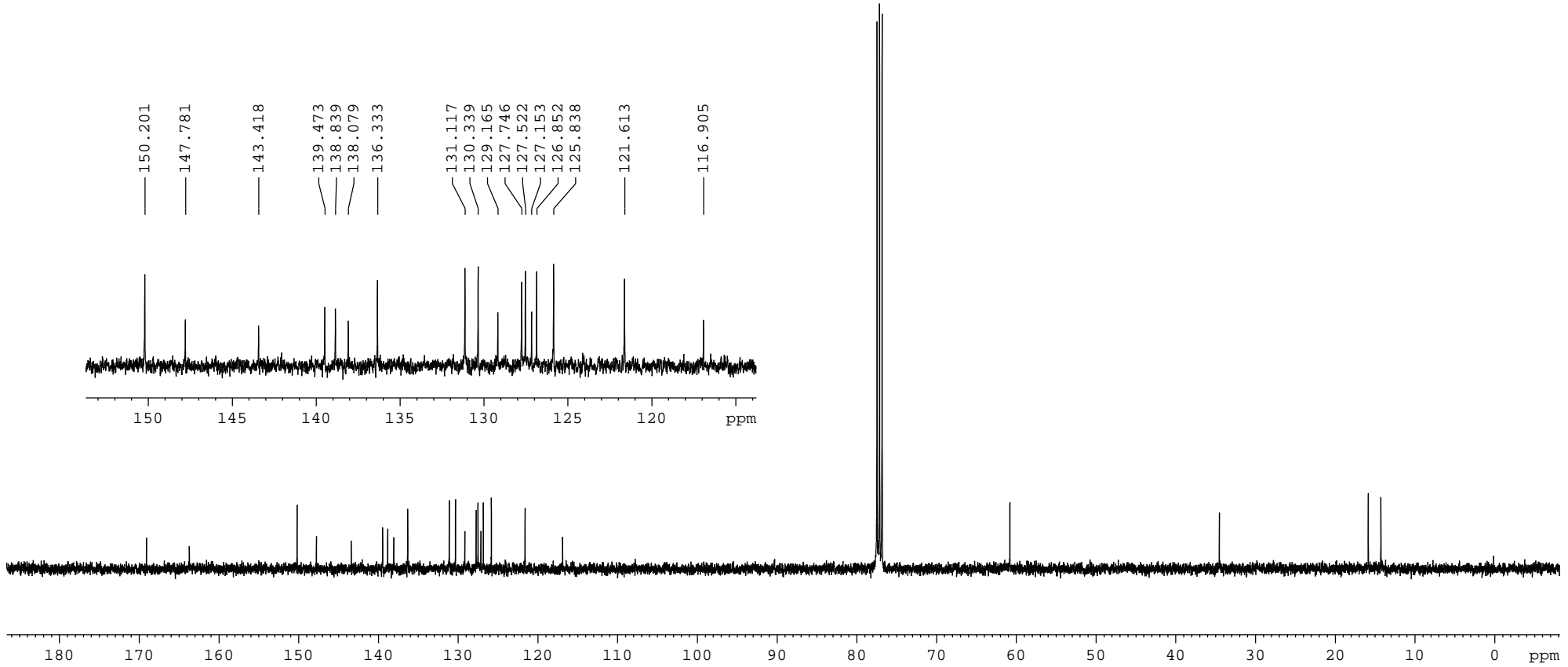
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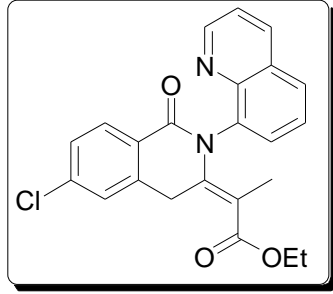
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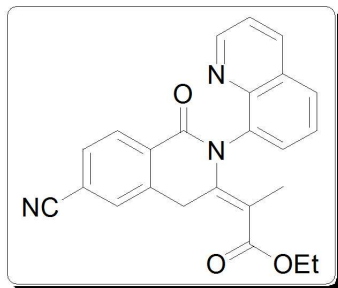
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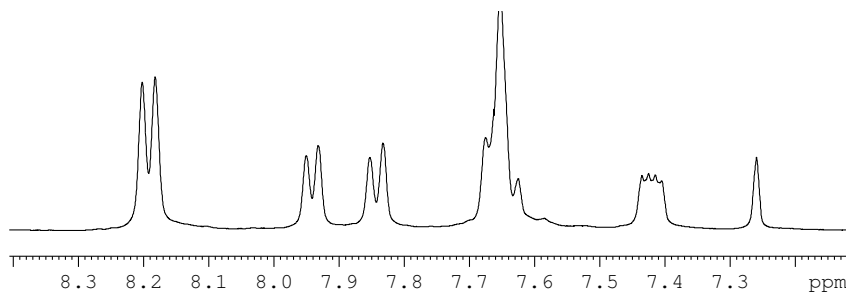
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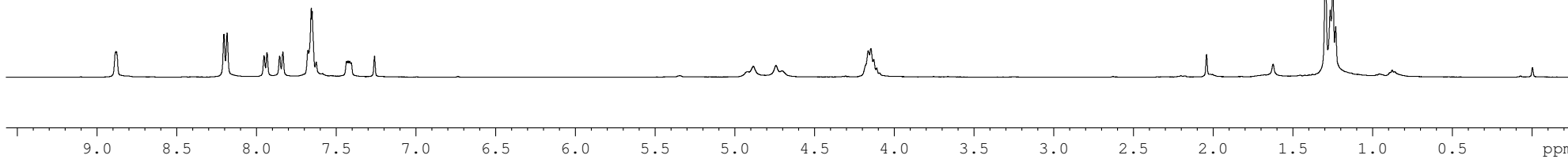
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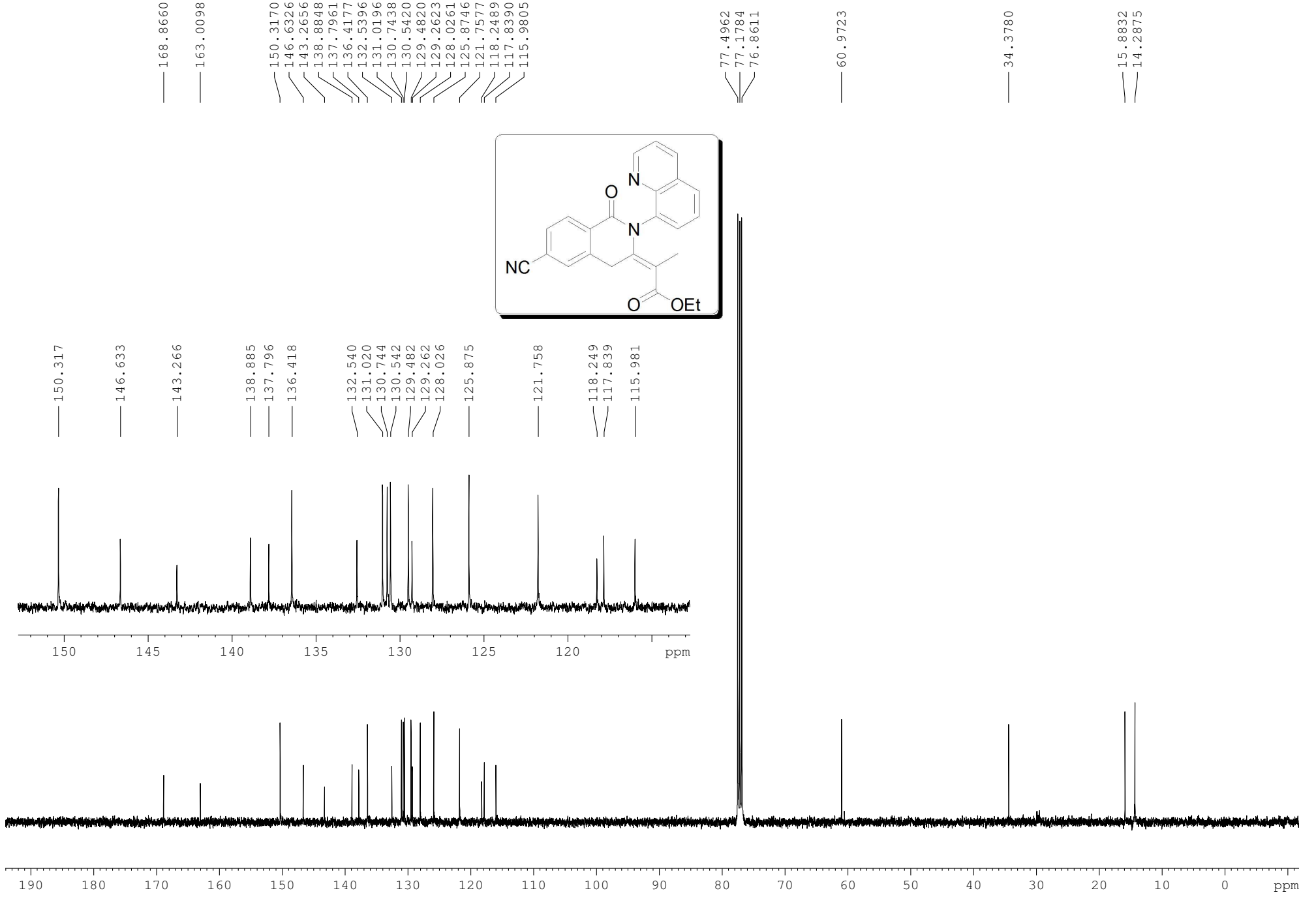
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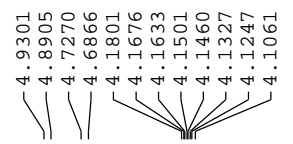
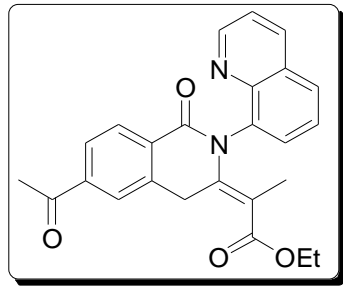
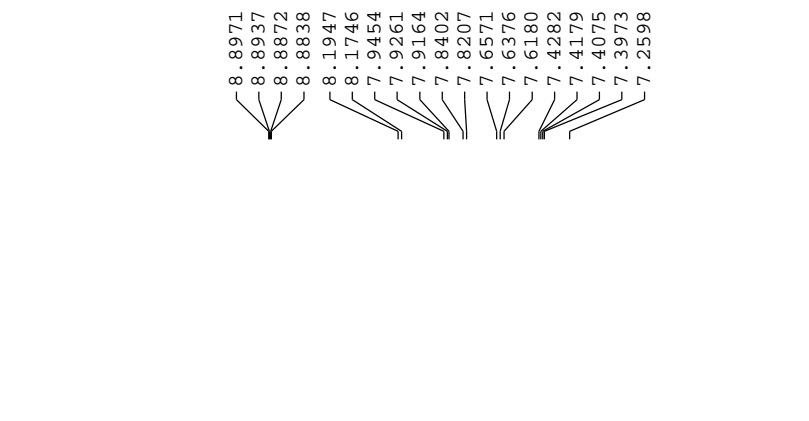
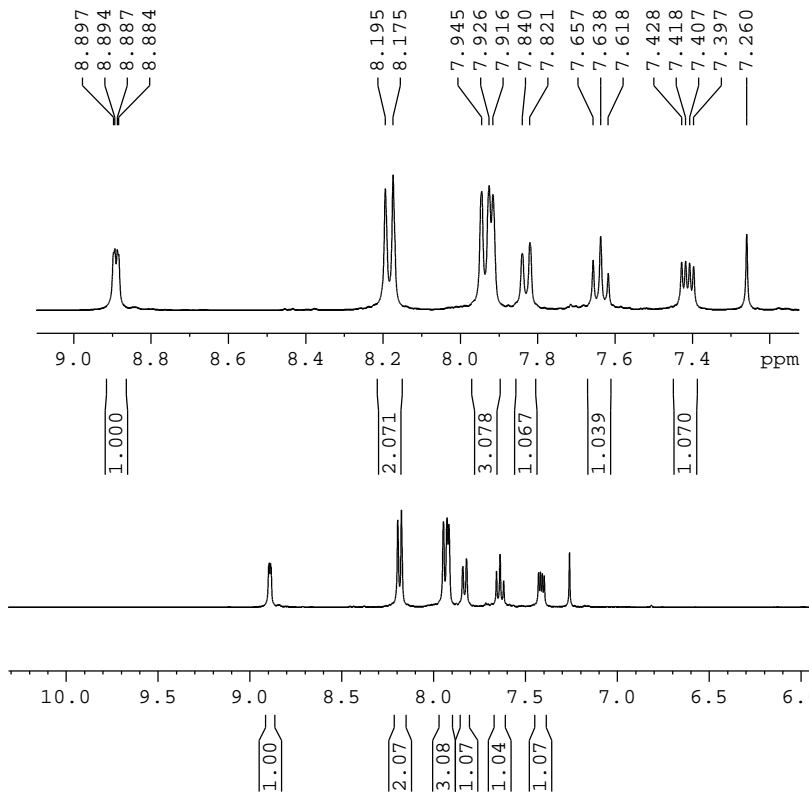
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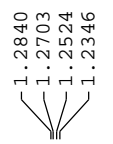
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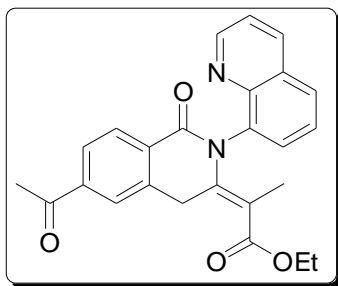
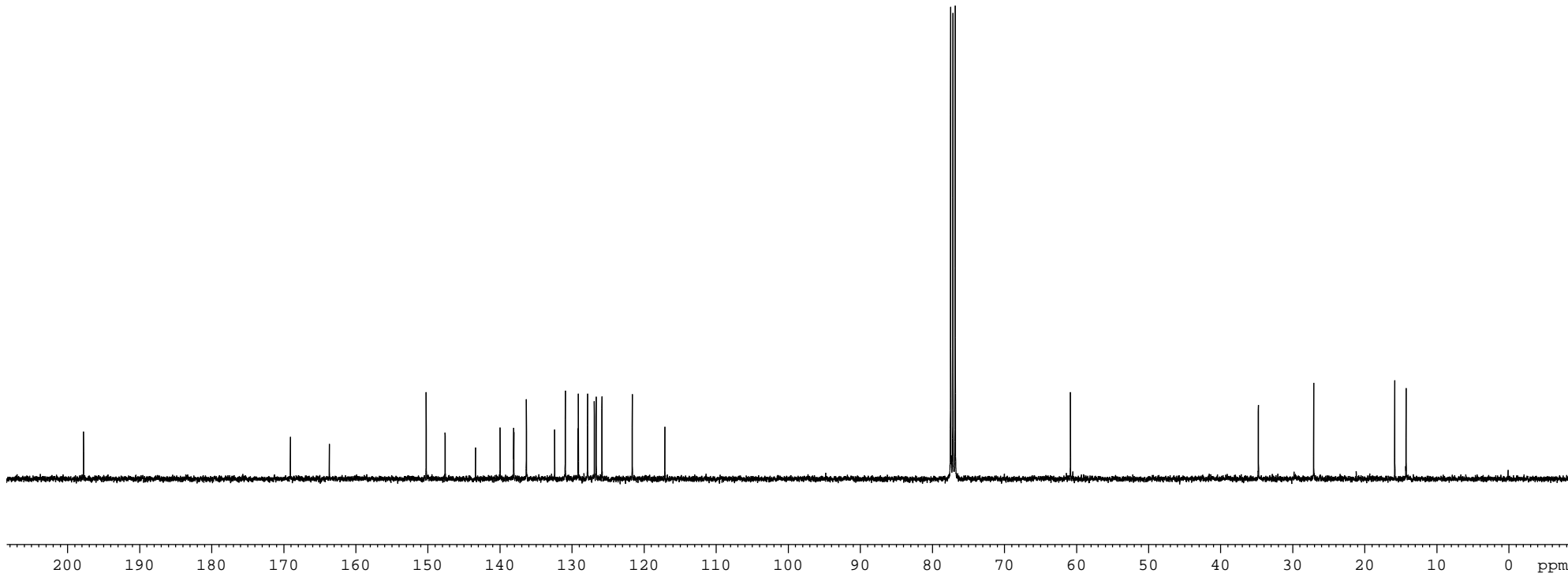




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— 150.25

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— 15.85

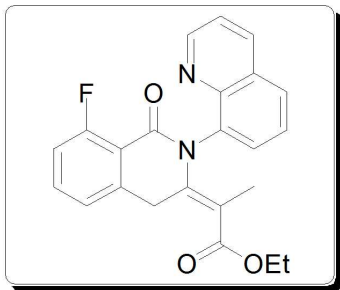
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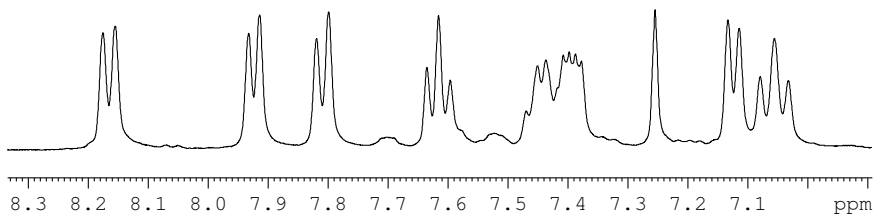
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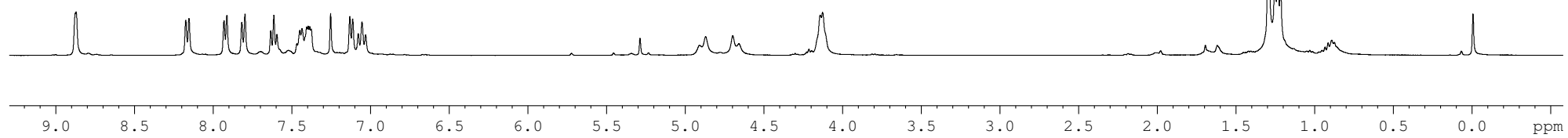
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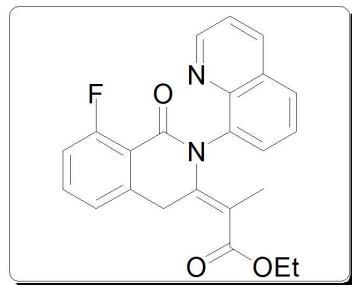
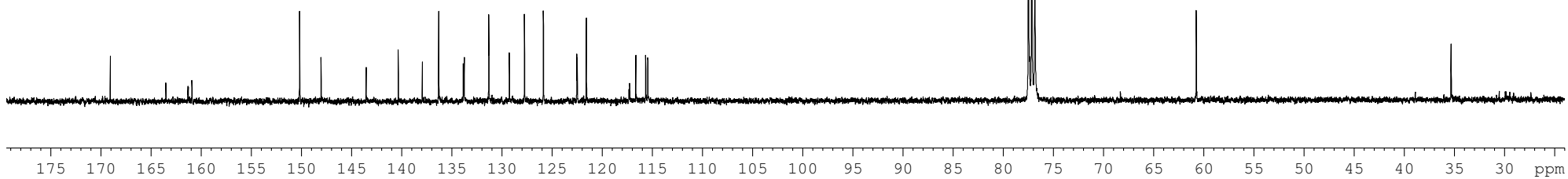
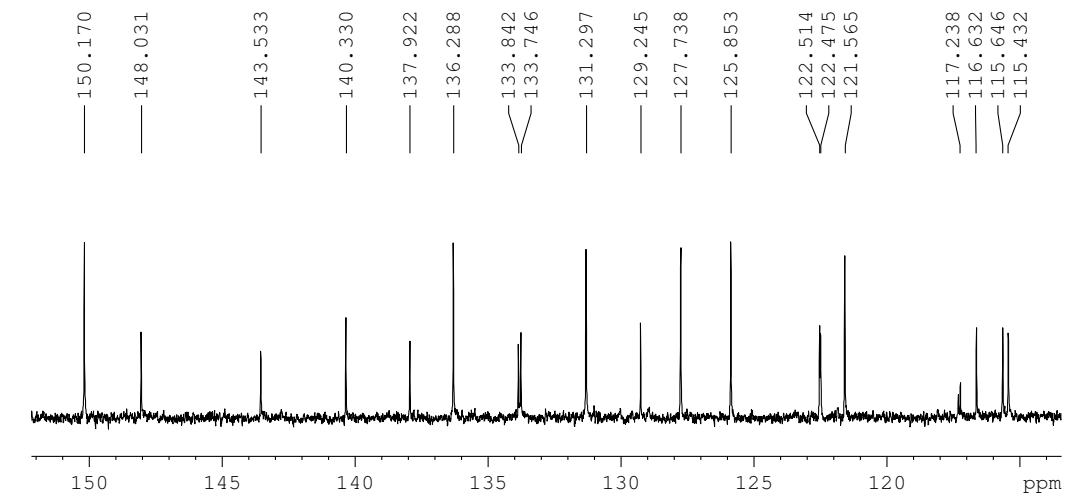
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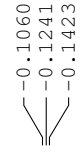
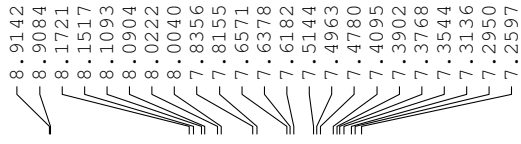
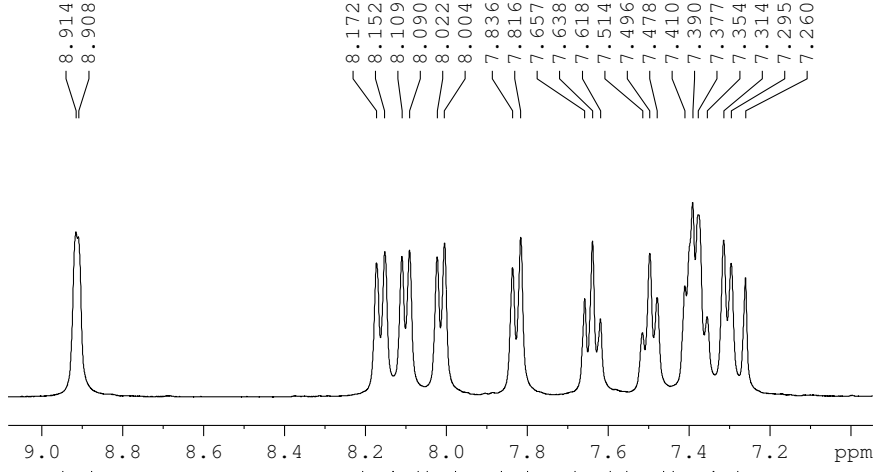
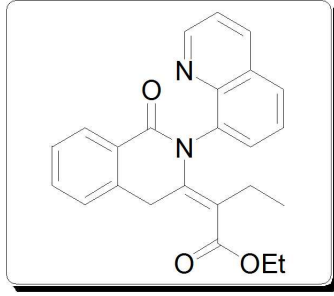
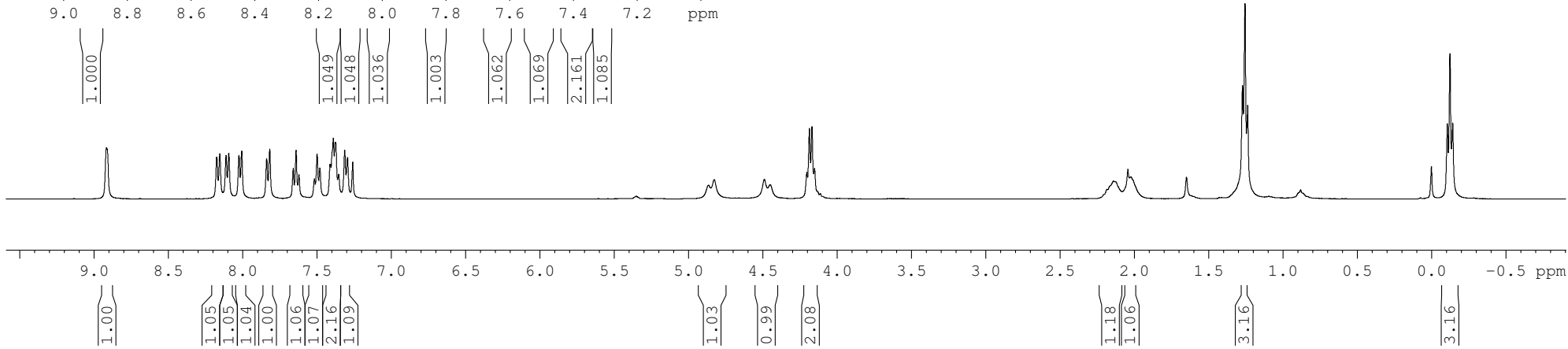


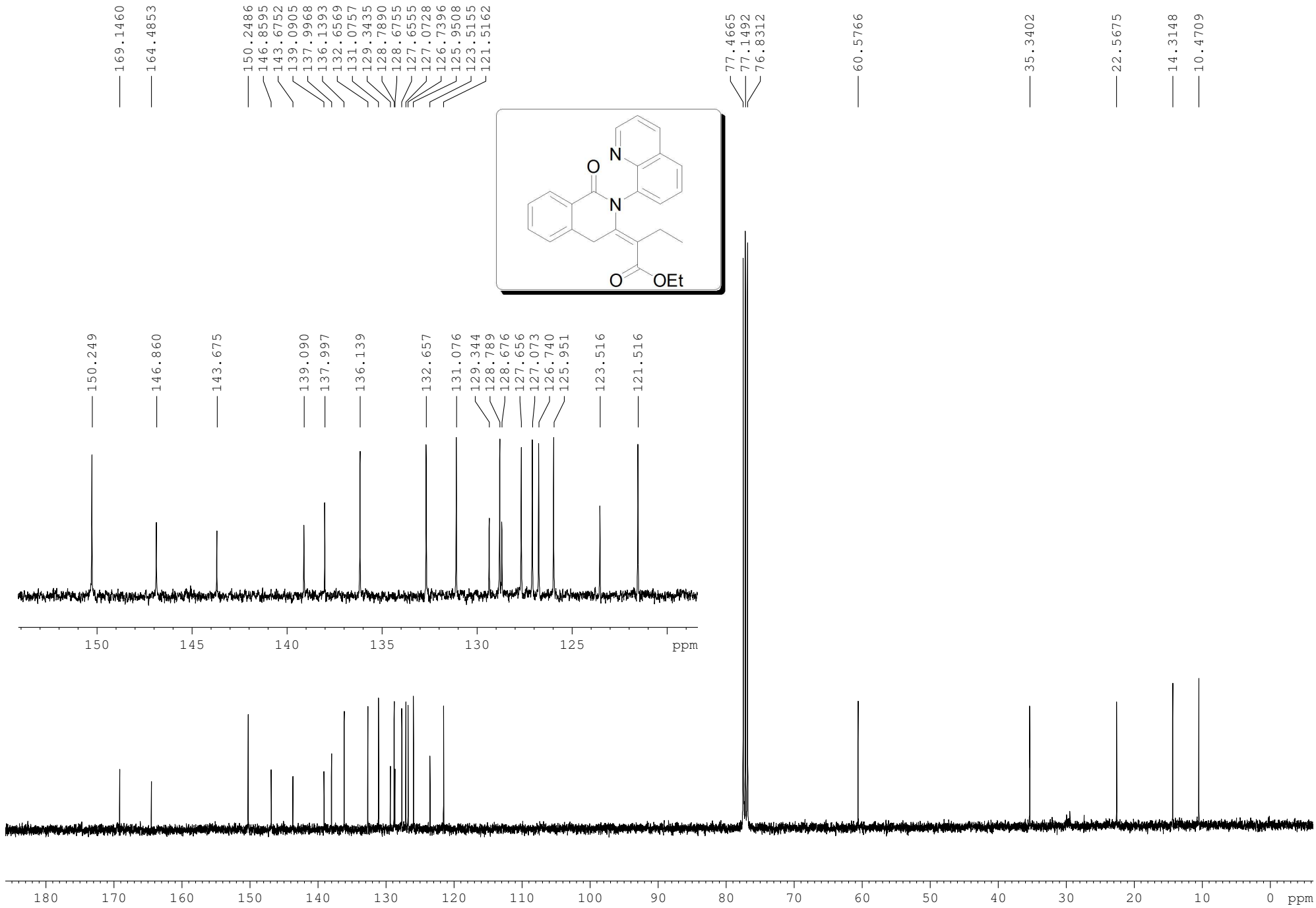
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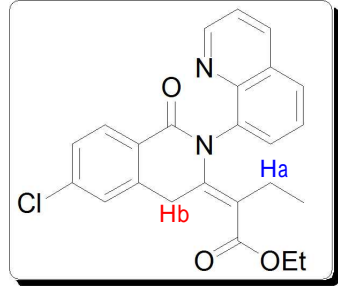
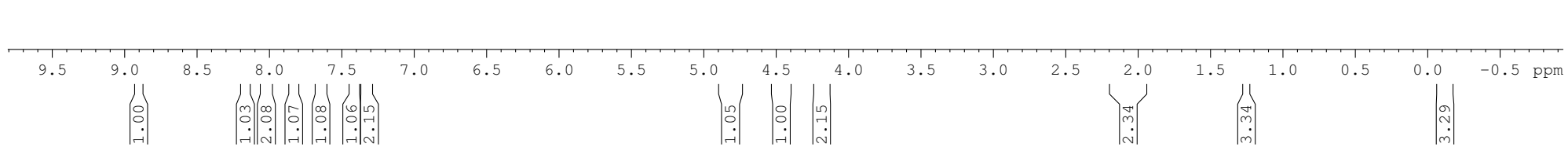
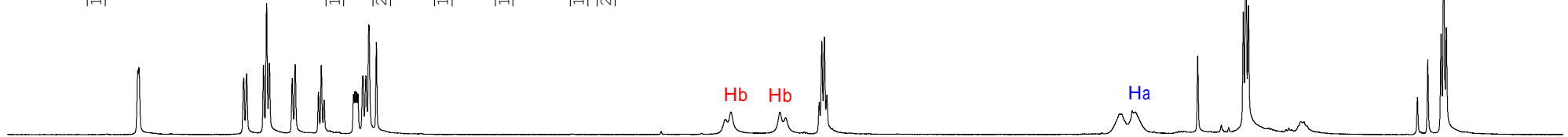
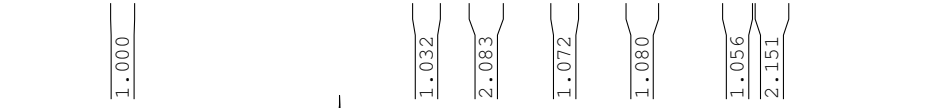
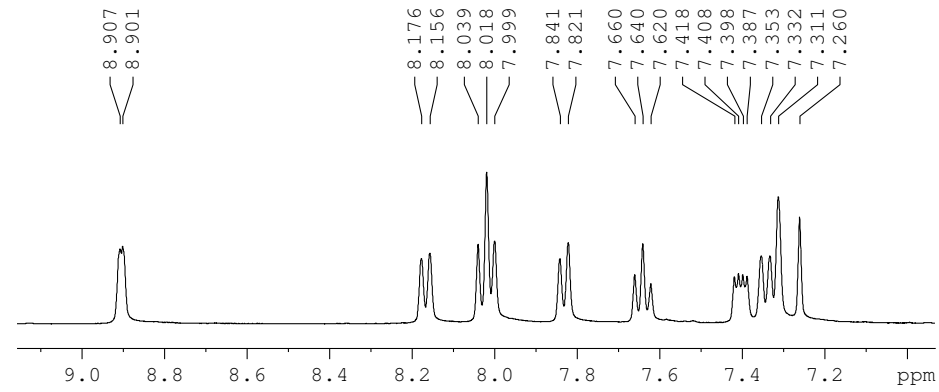


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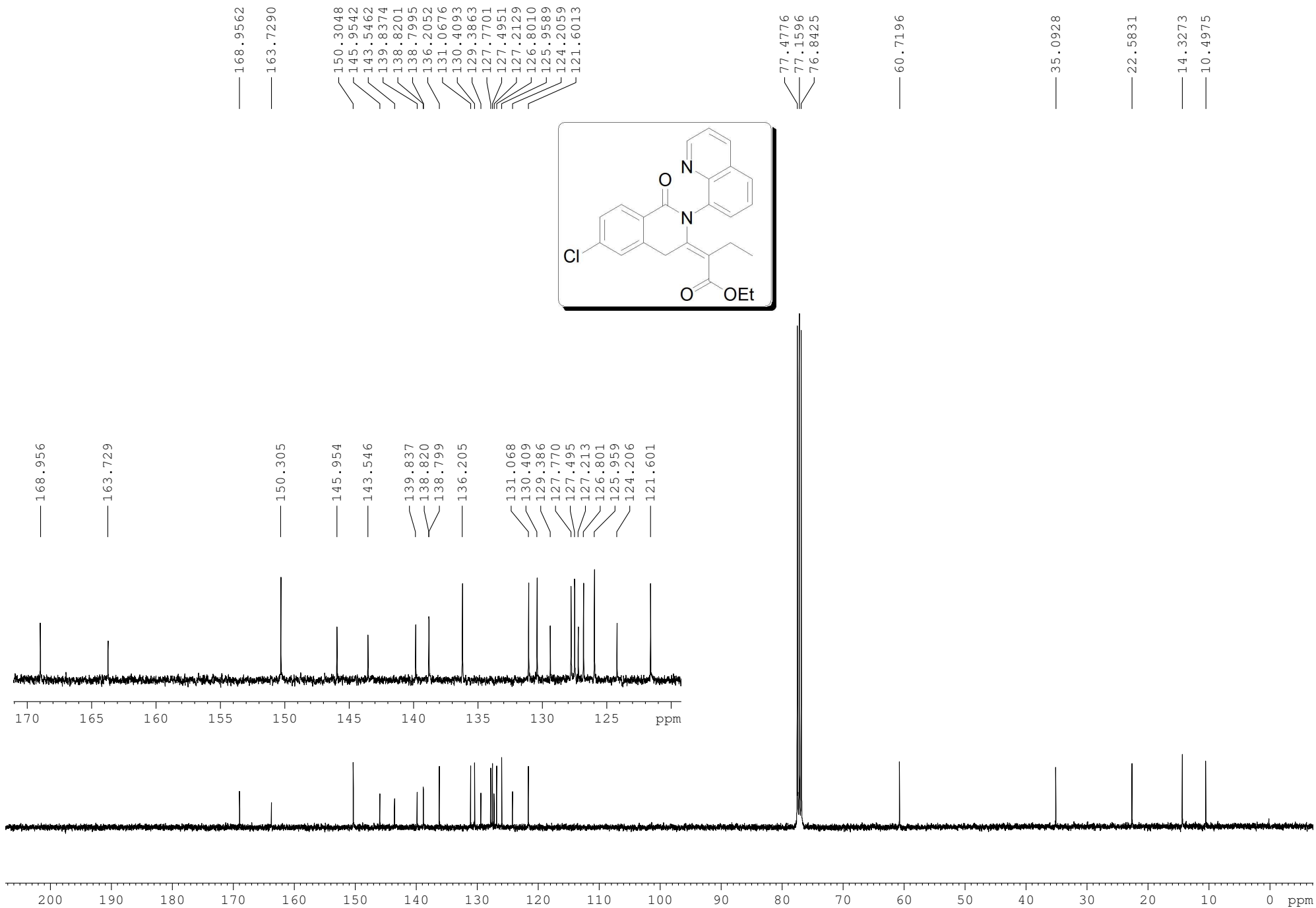


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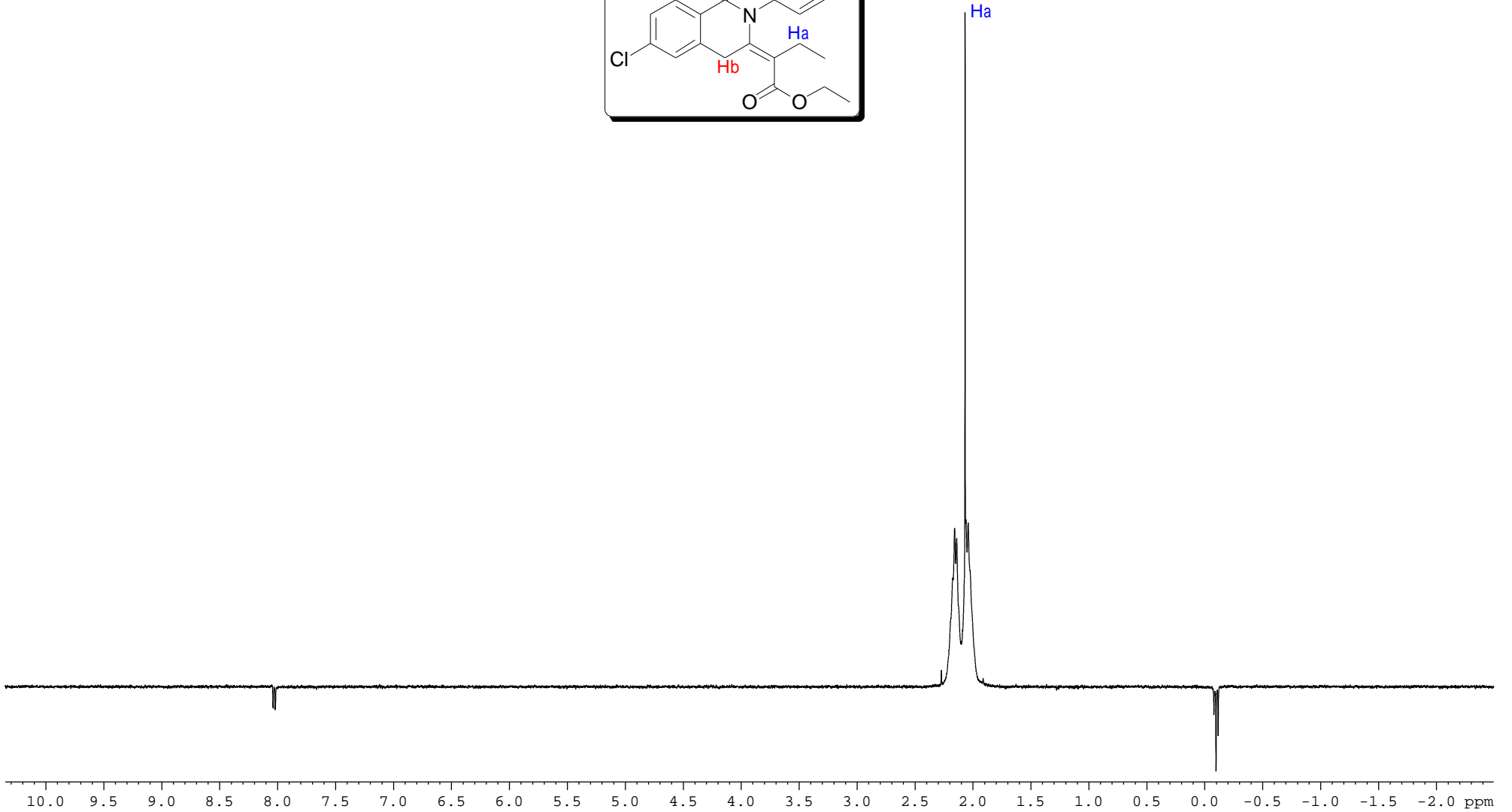
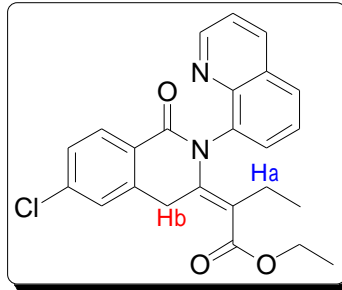
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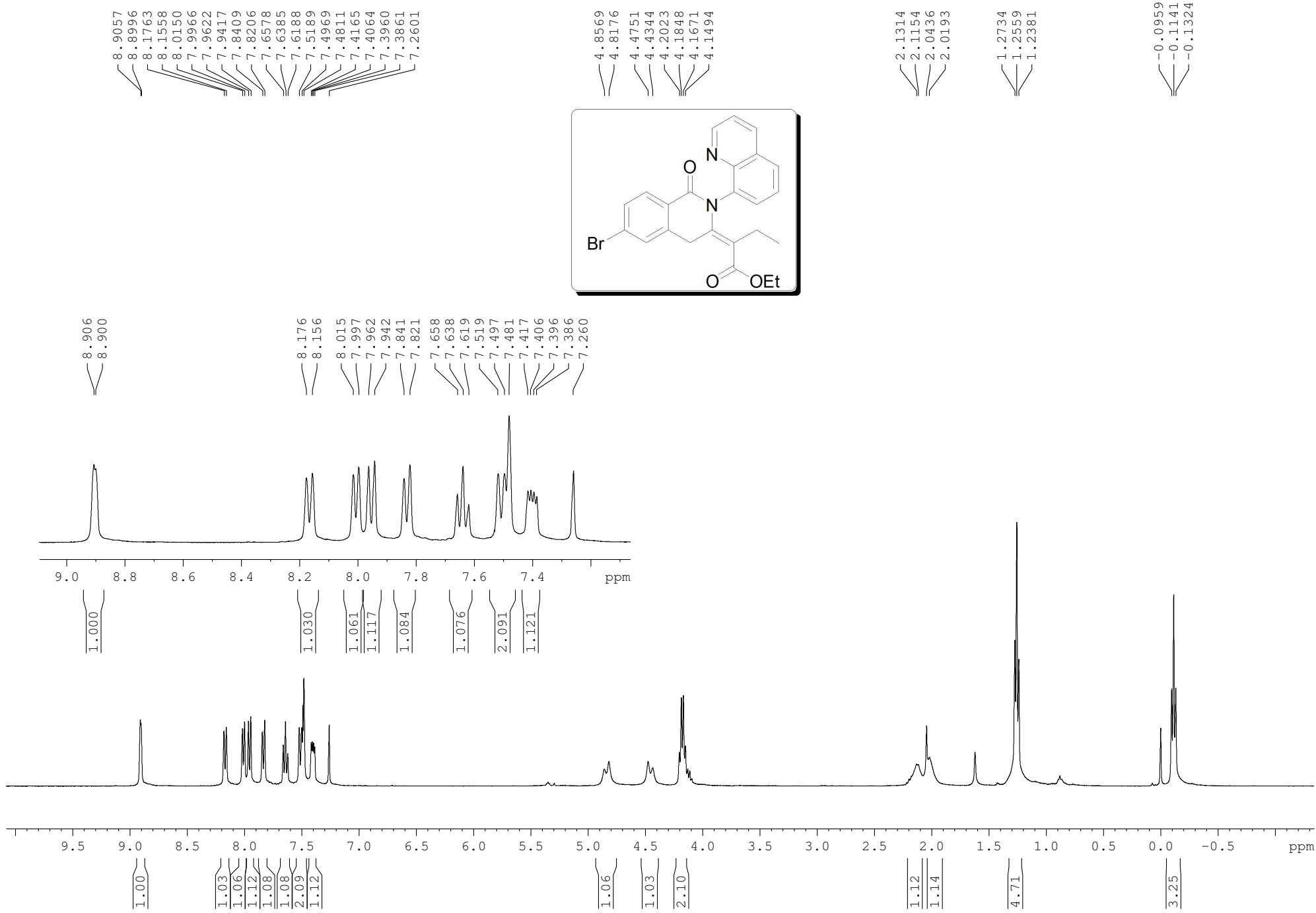
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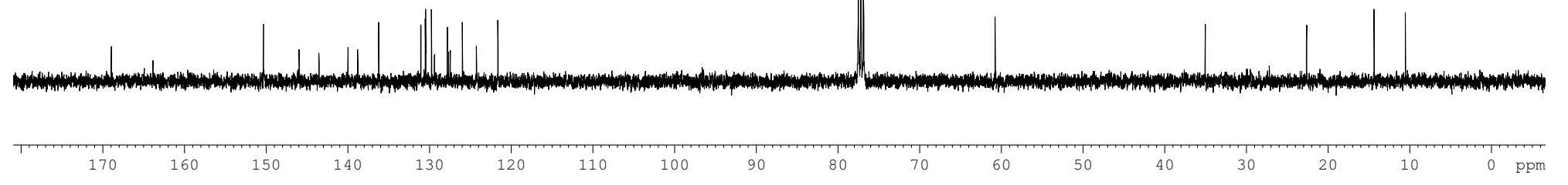
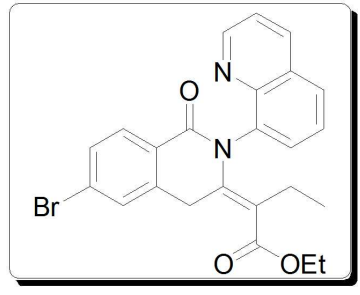
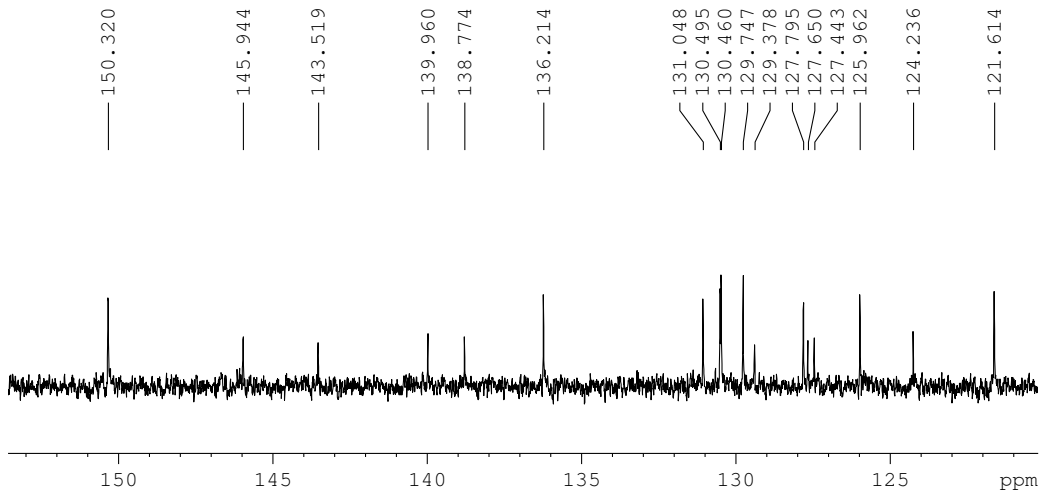


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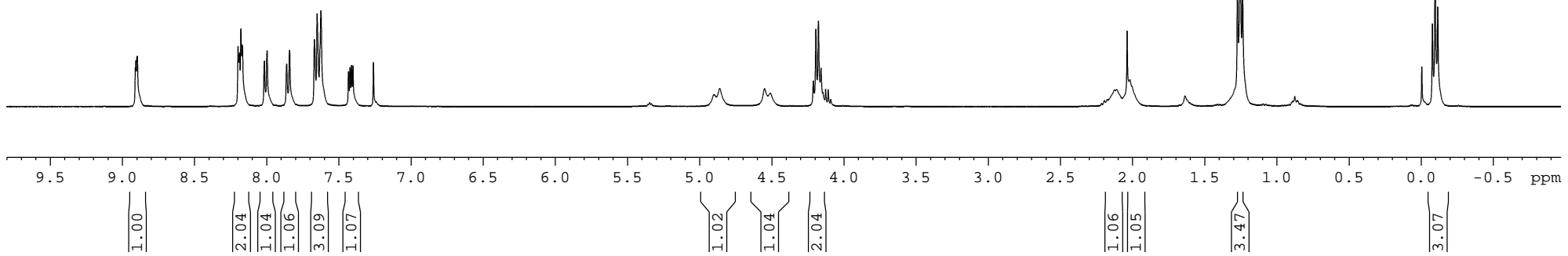
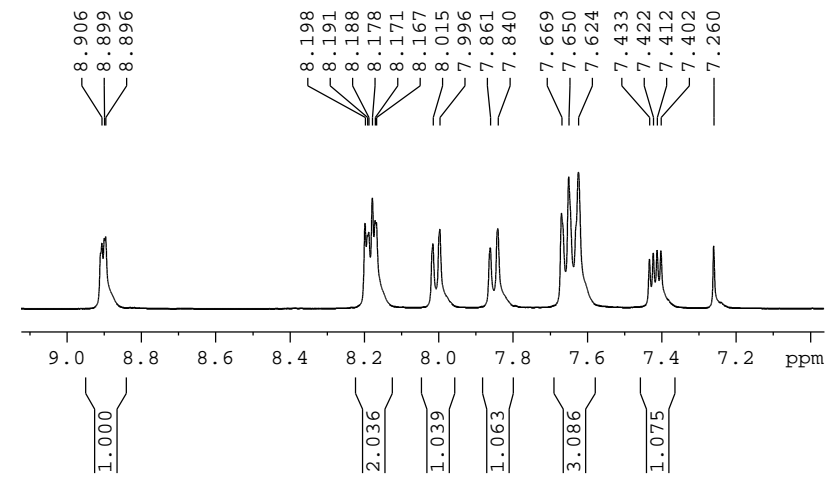
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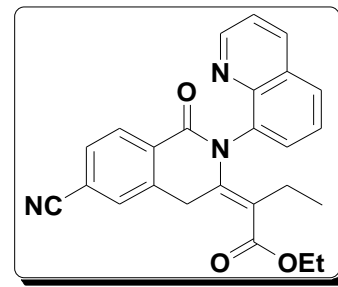


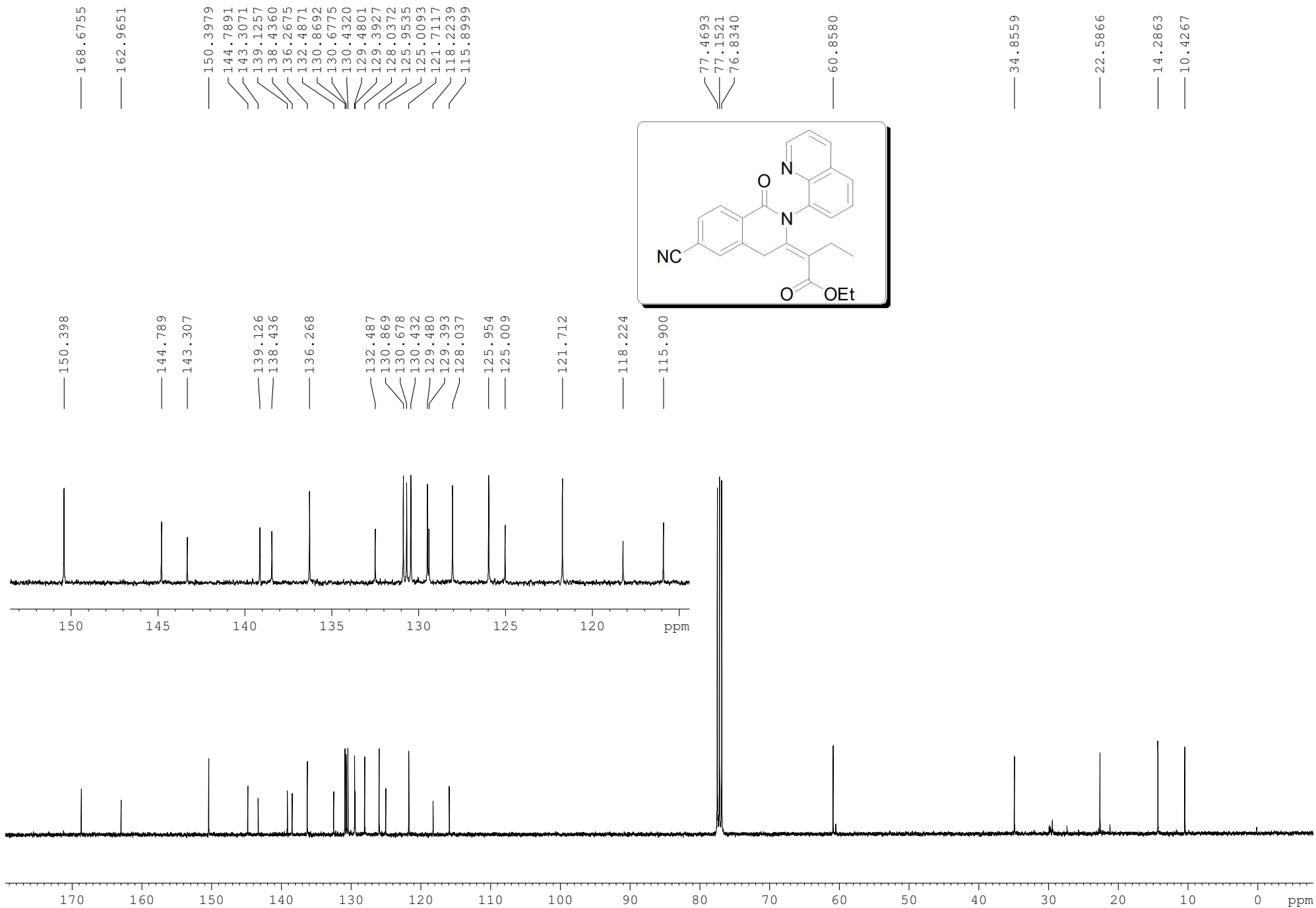
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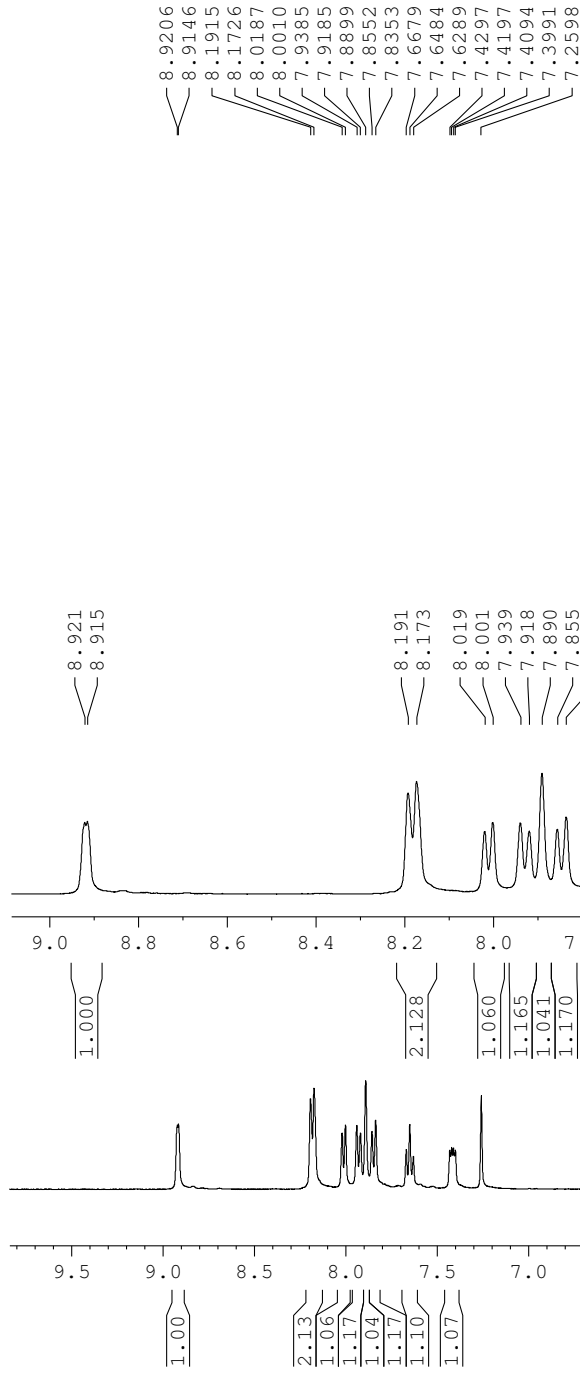
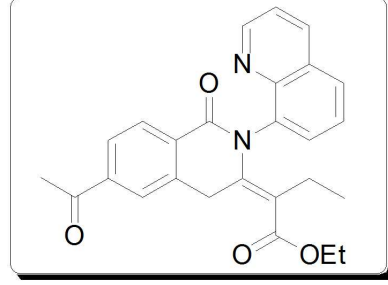
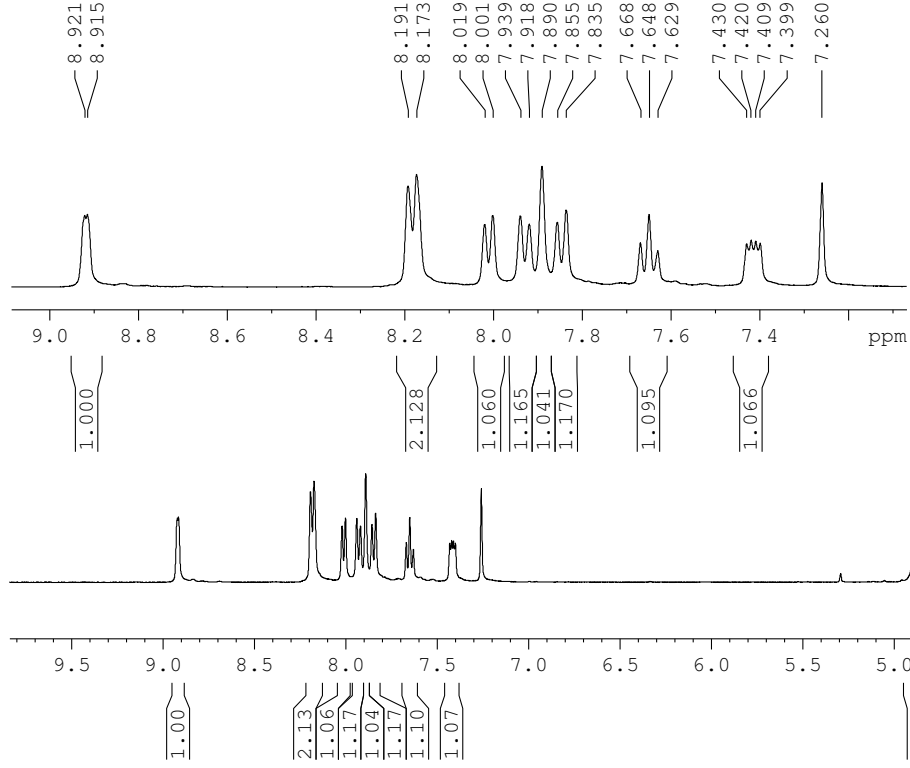
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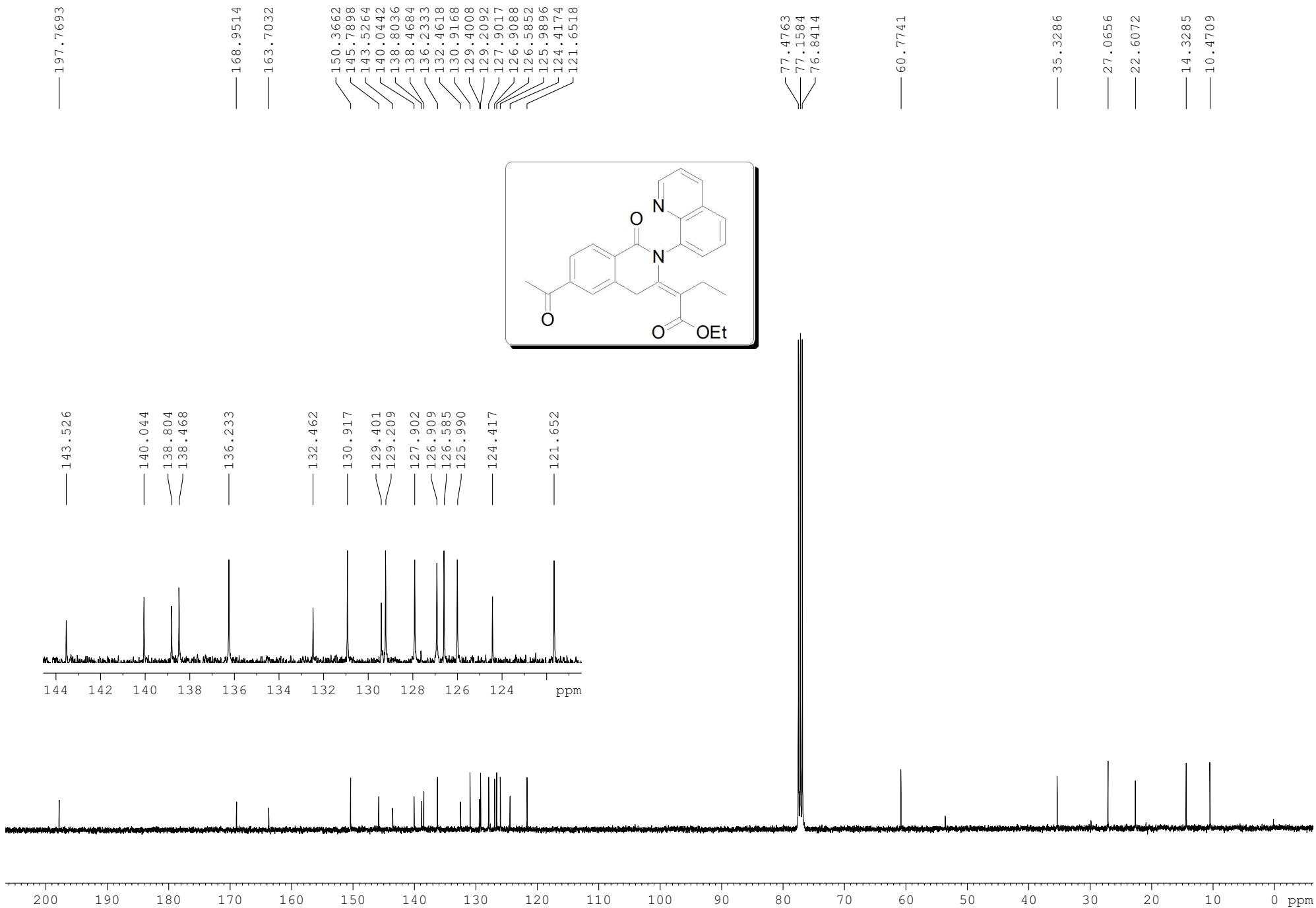
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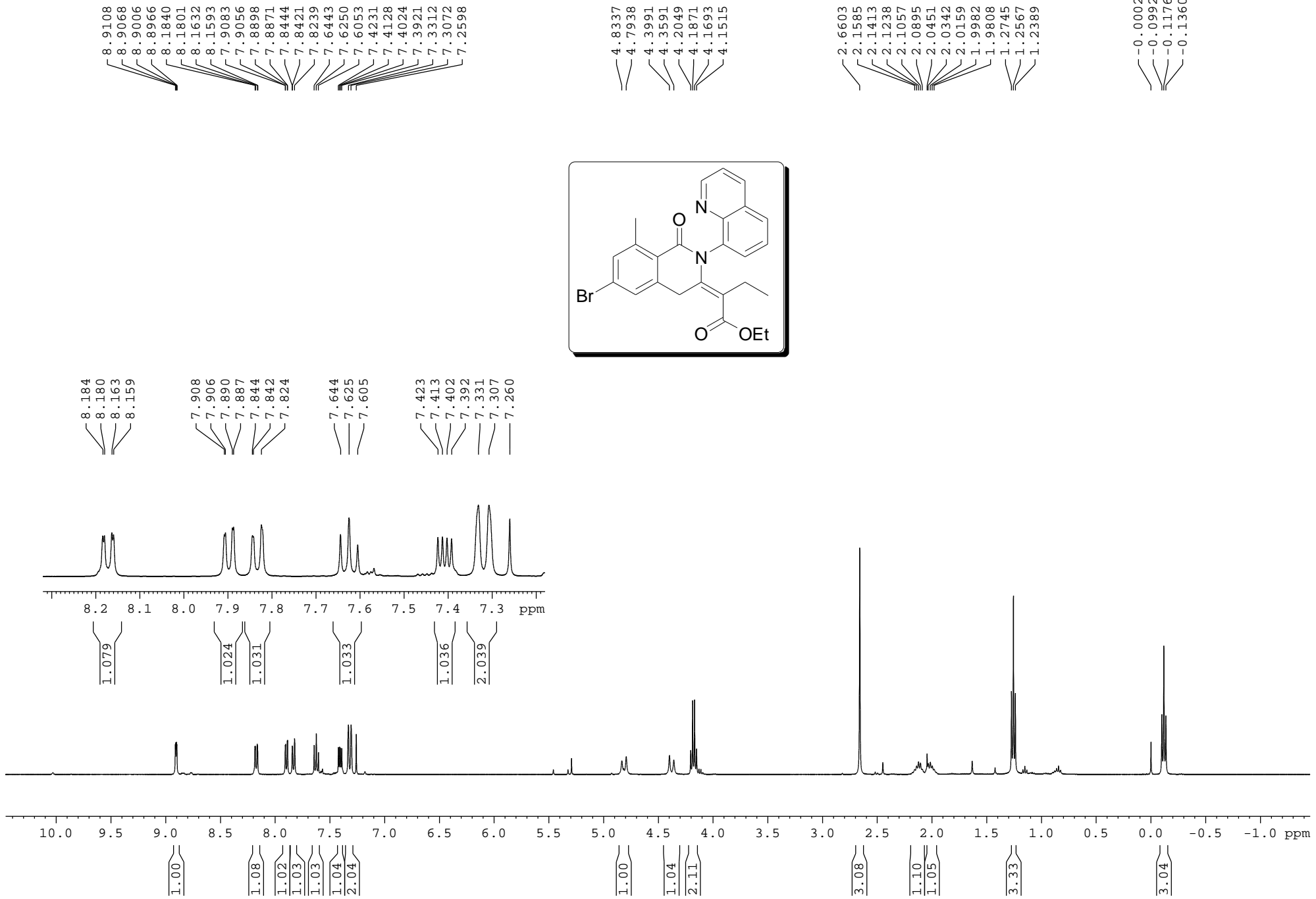
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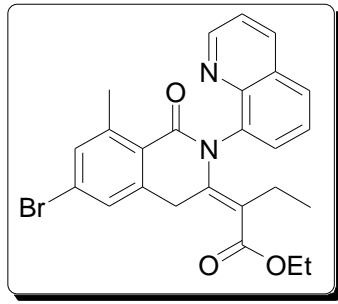
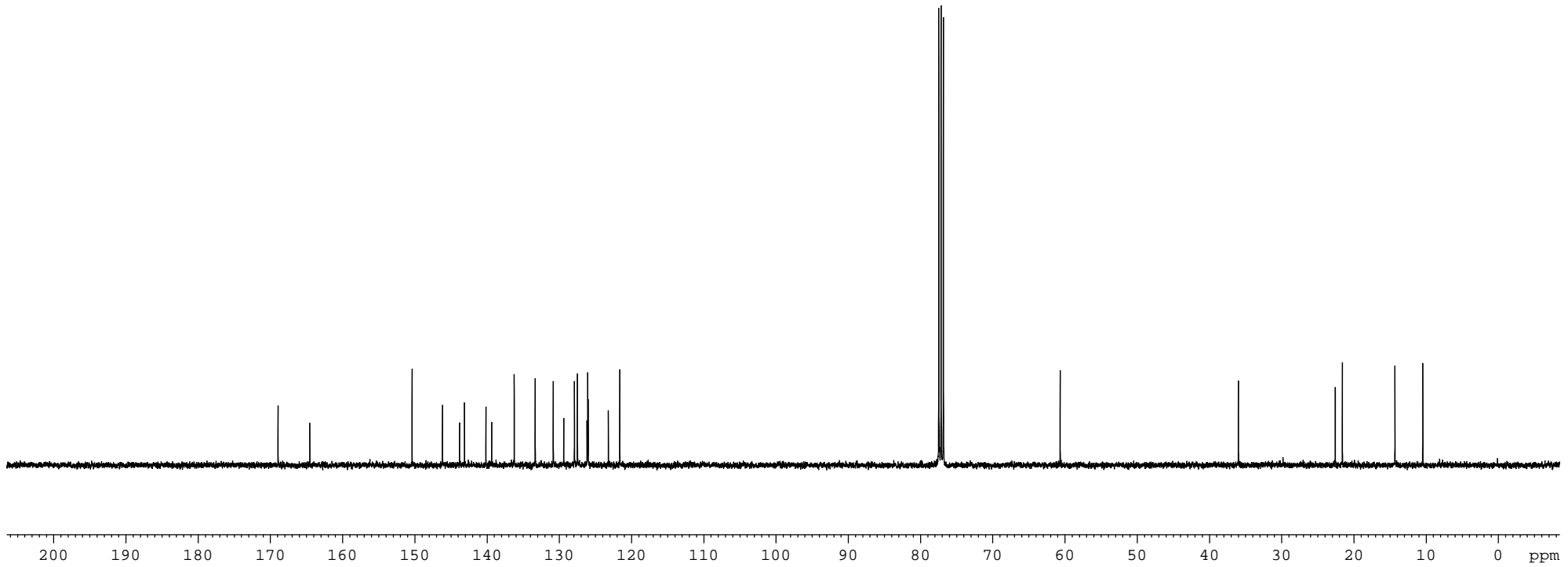












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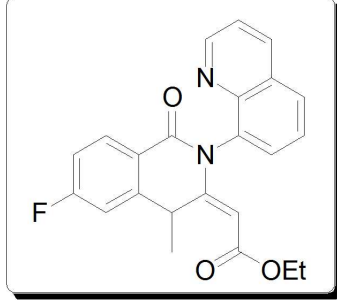
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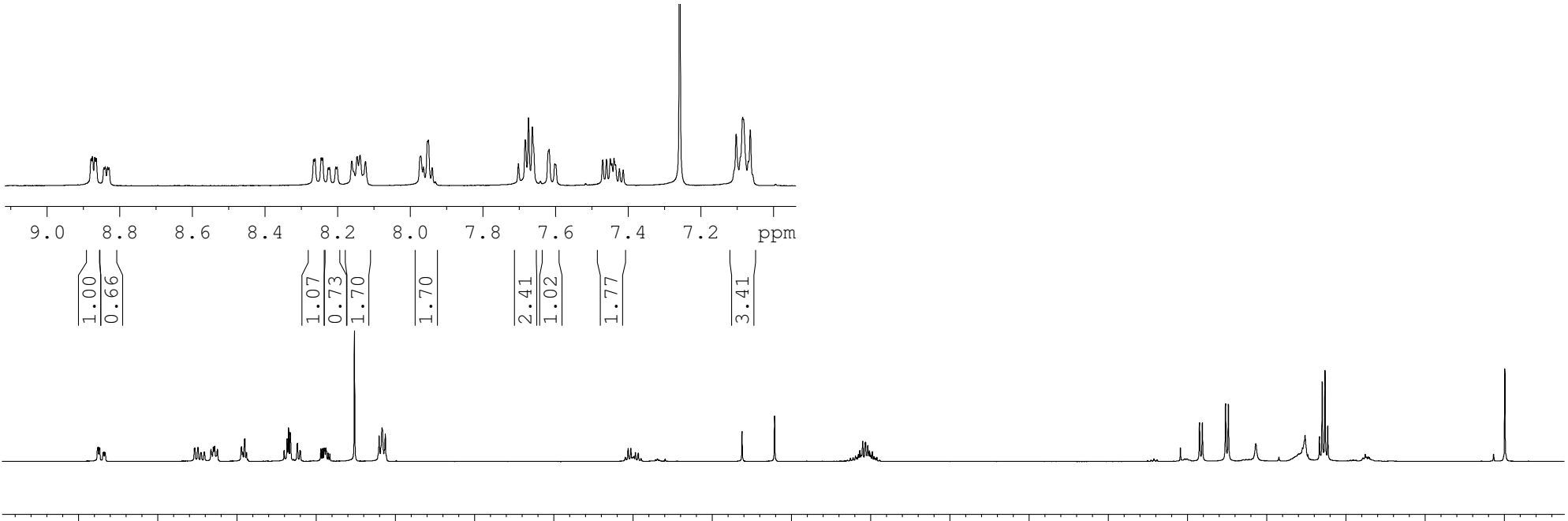
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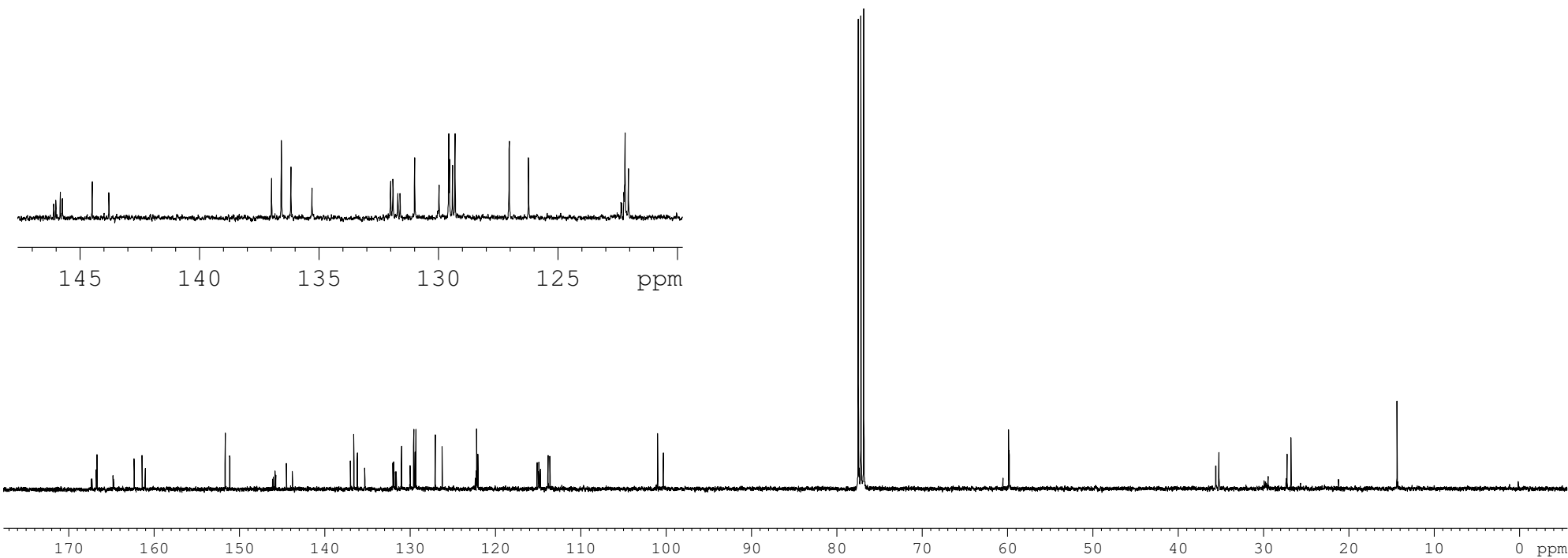
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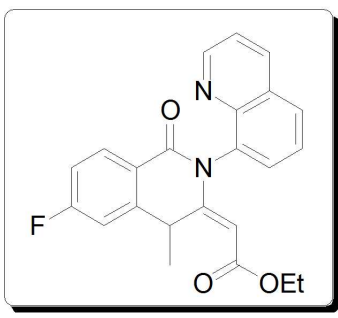
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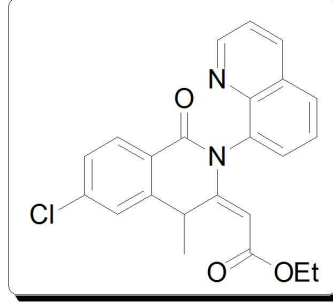
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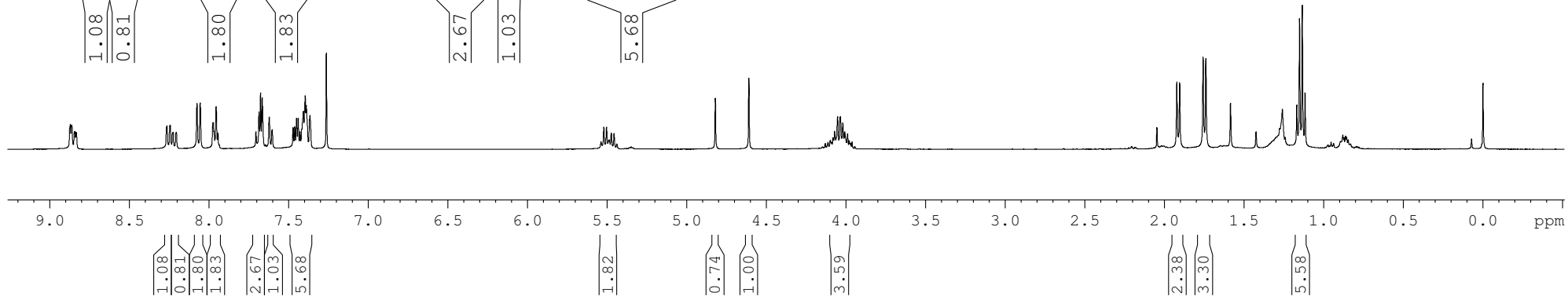
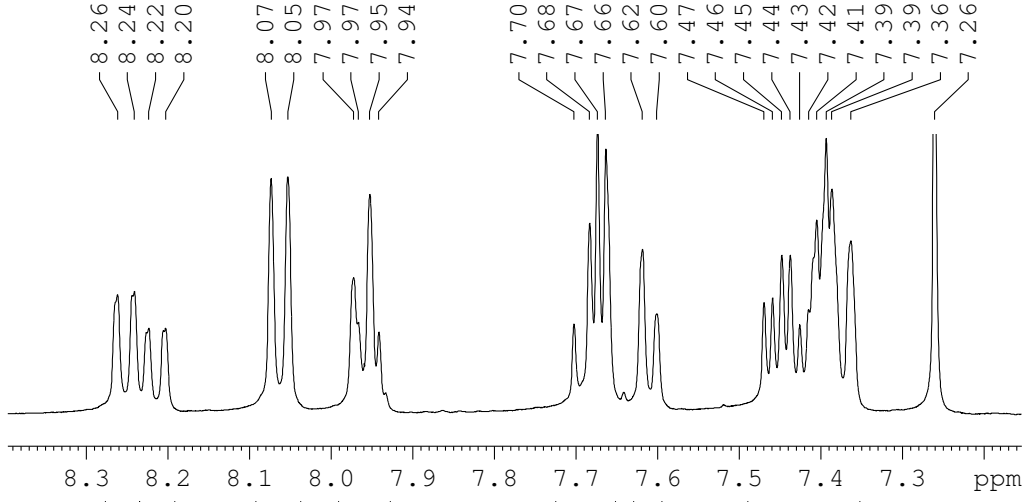
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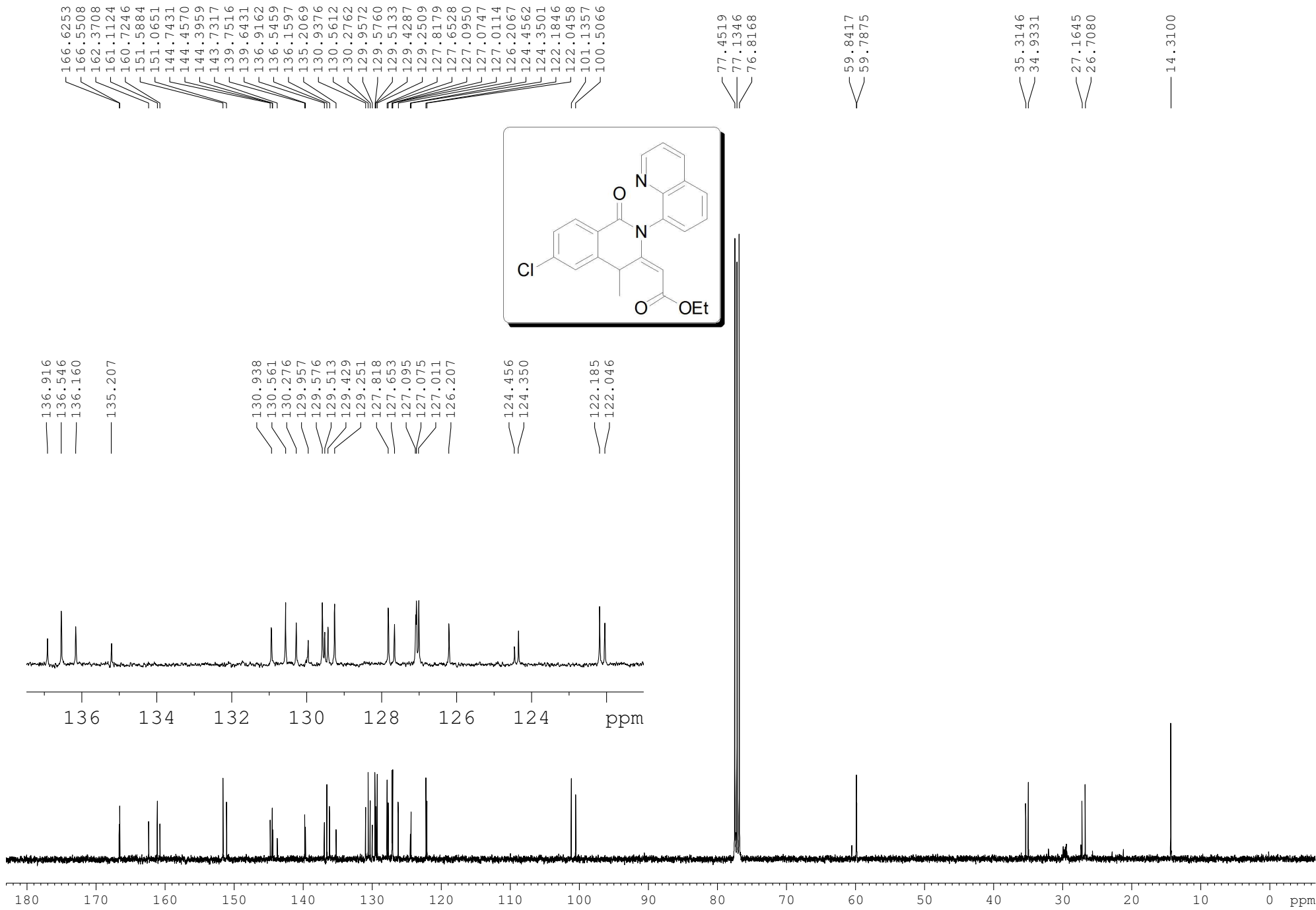
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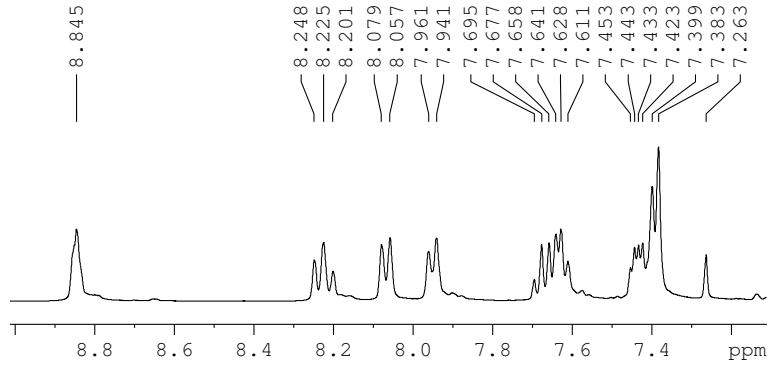
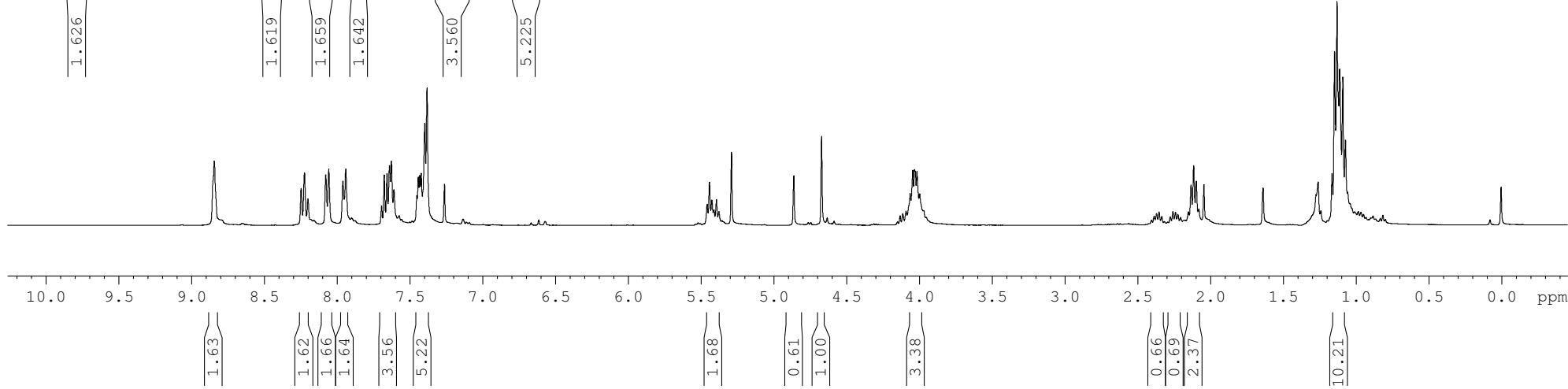
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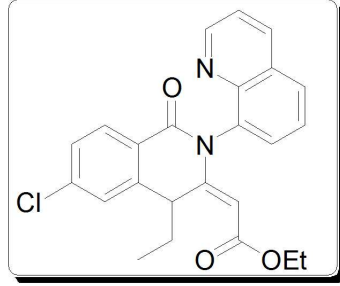
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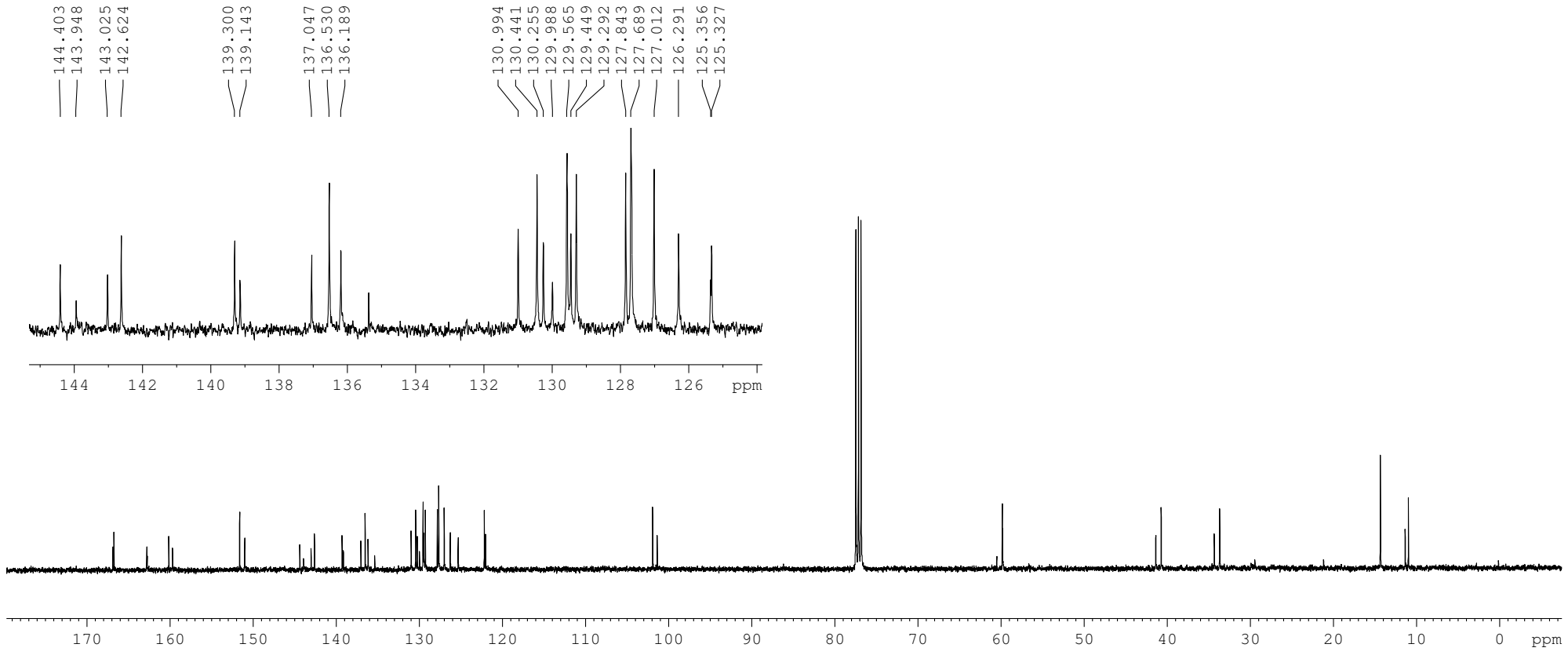




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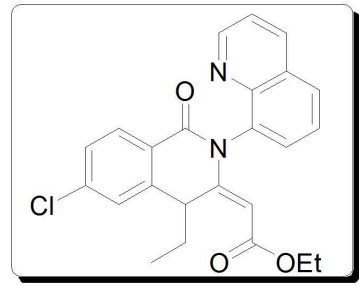
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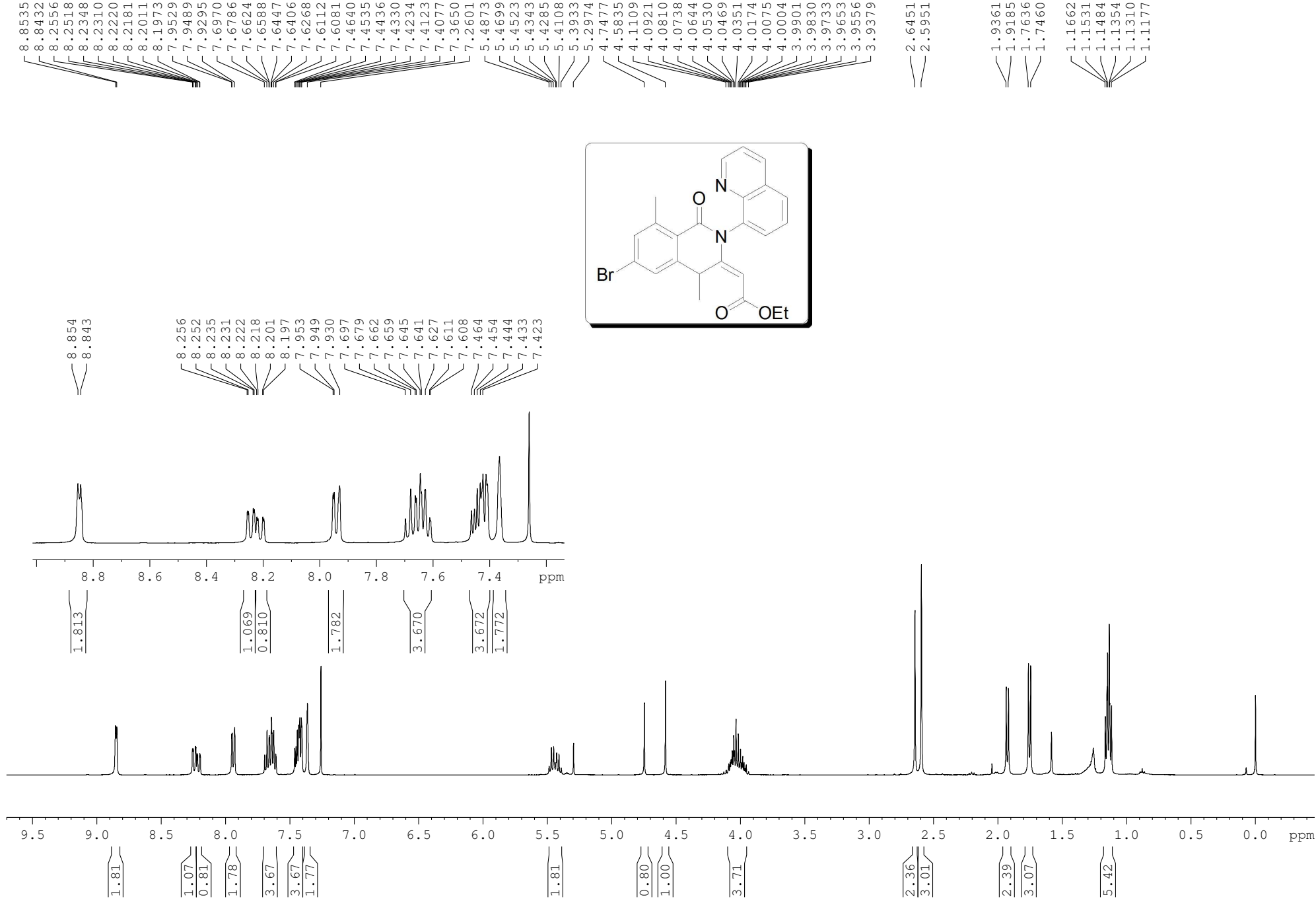
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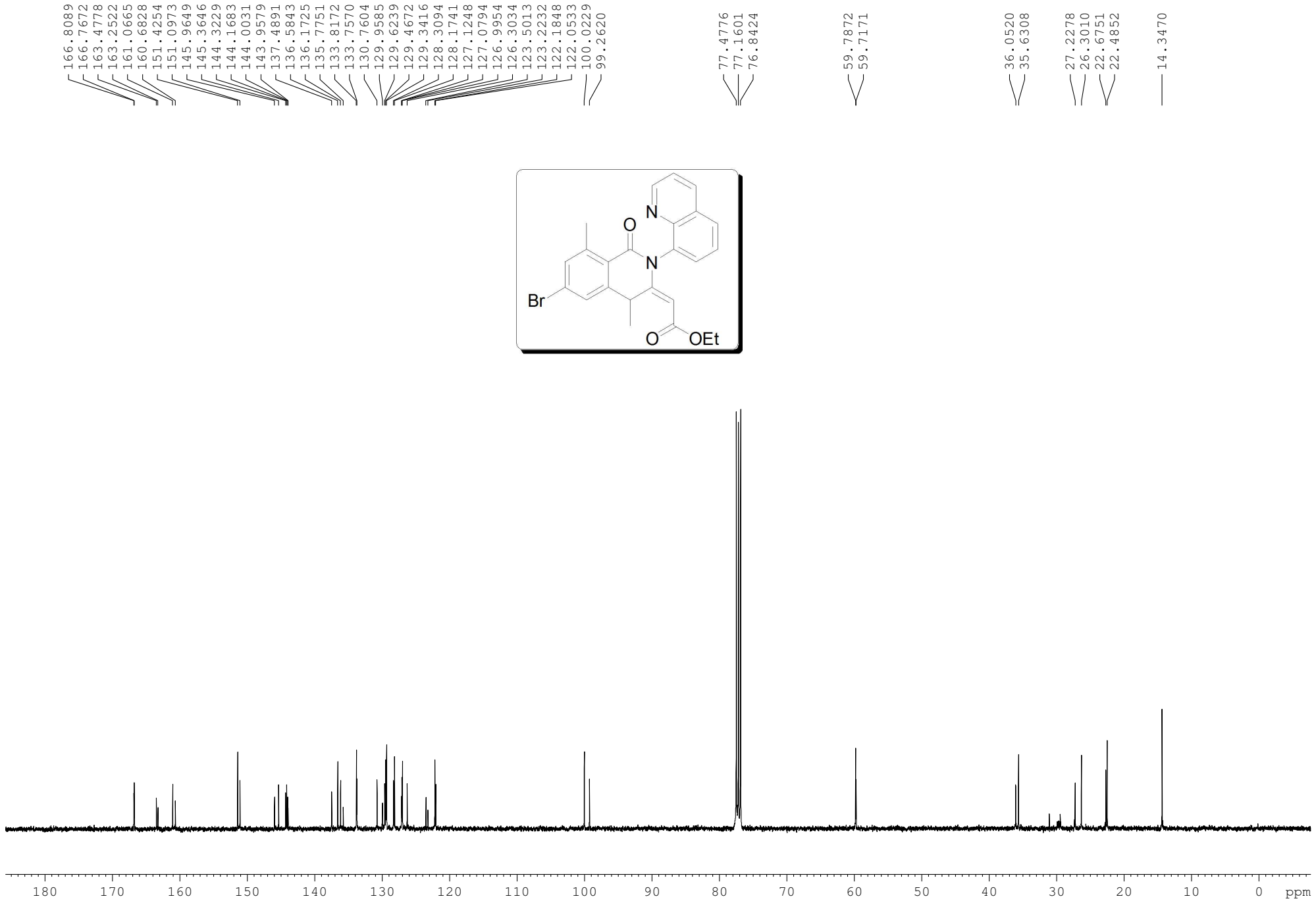
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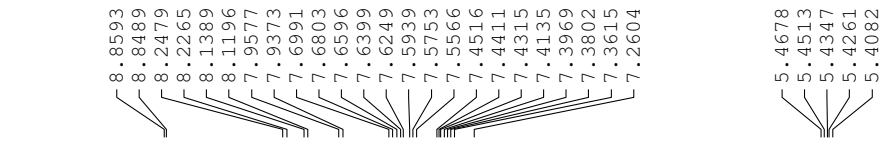
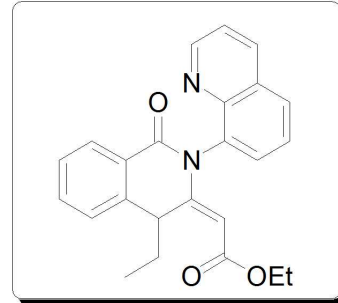
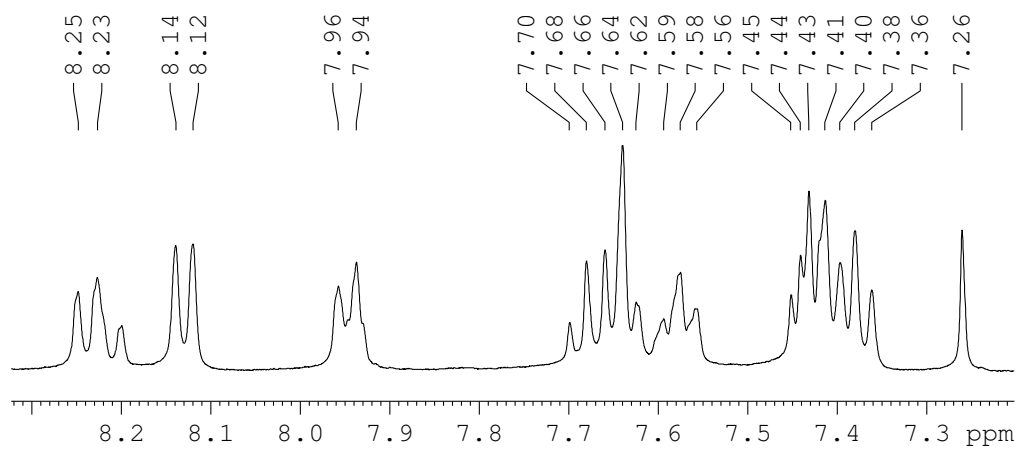
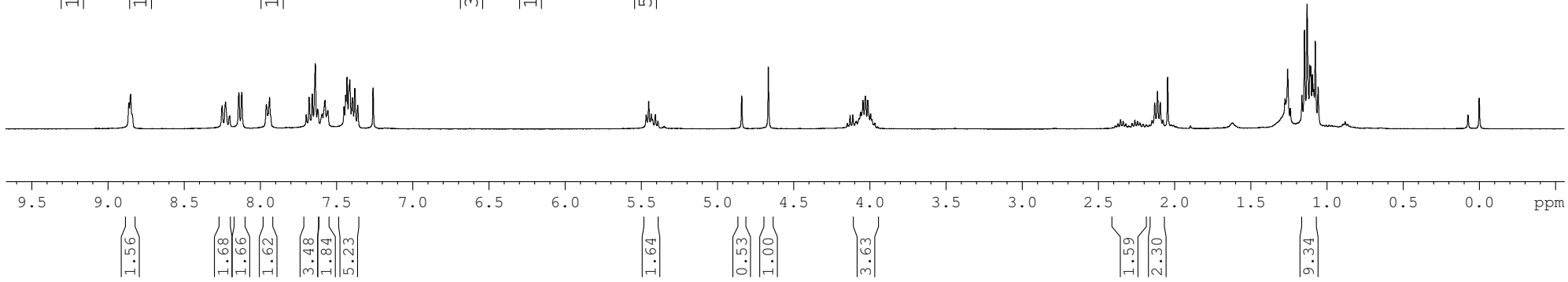
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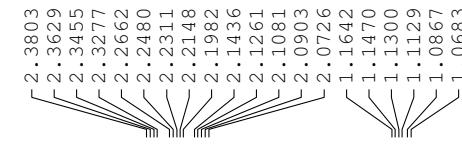
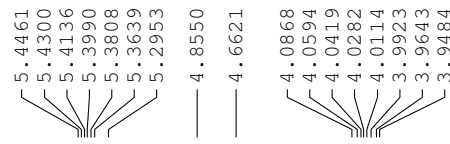
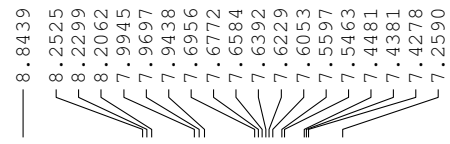
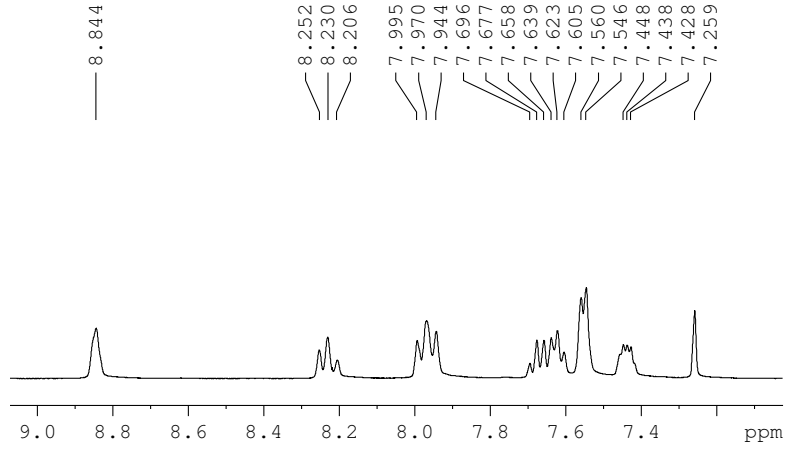
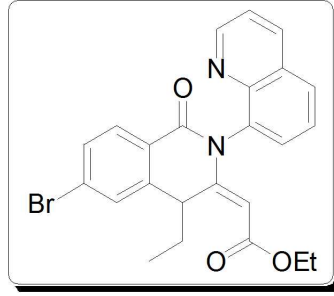
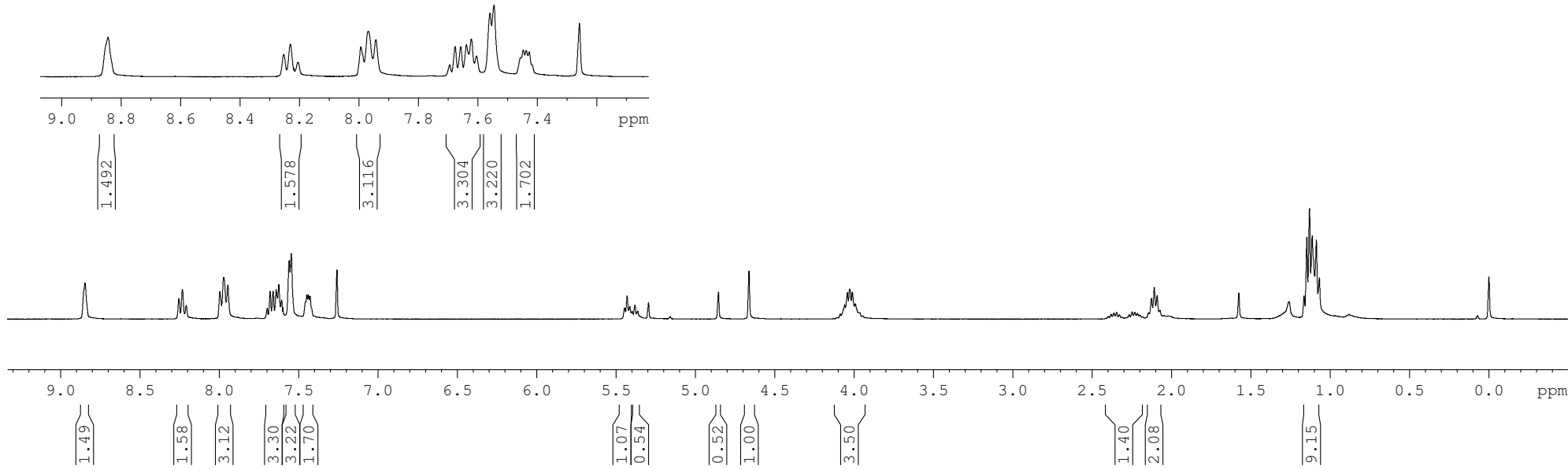


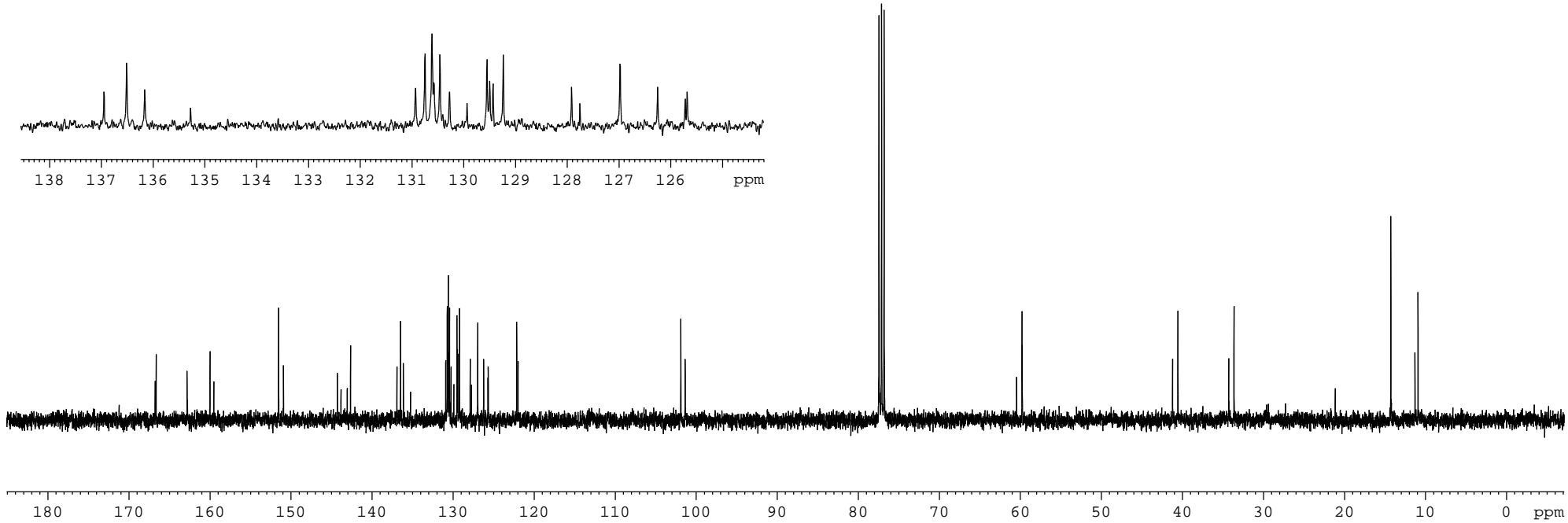












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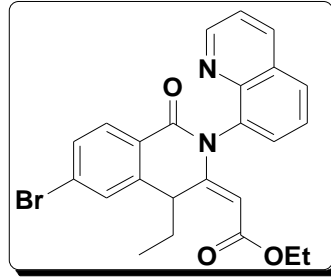
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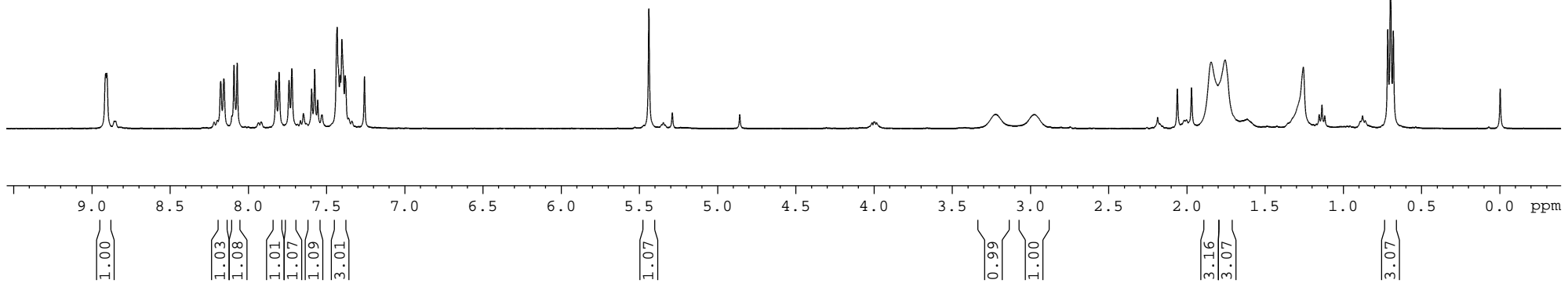
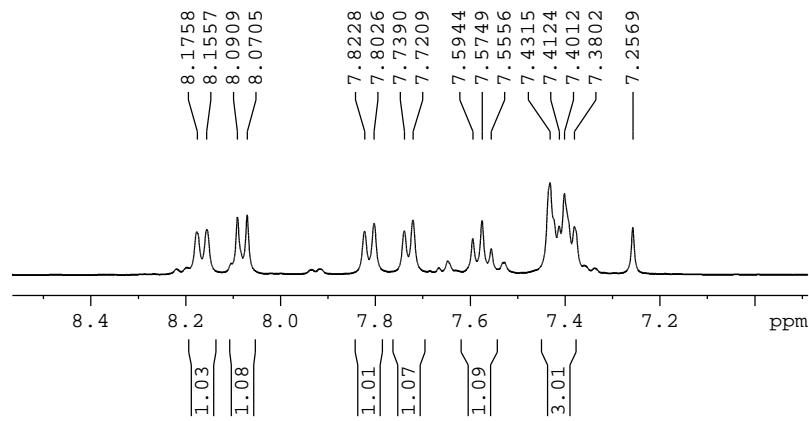
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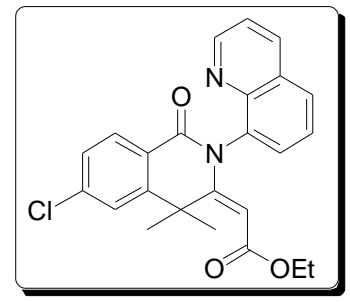
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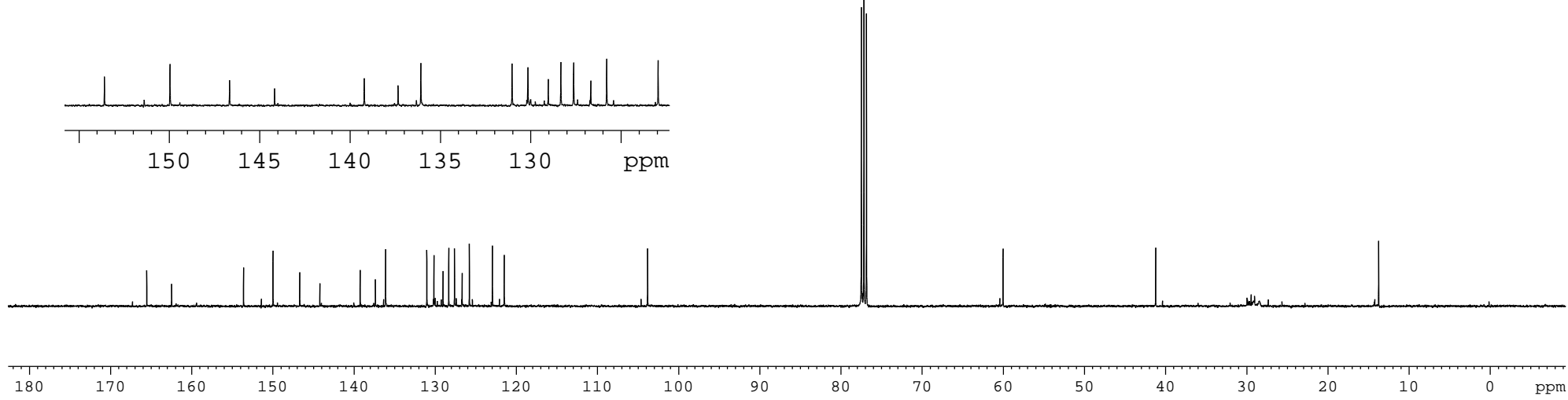
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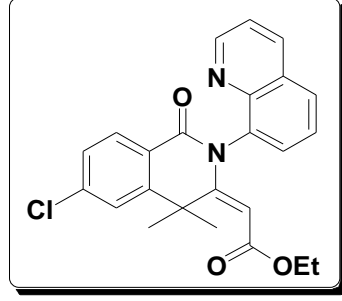
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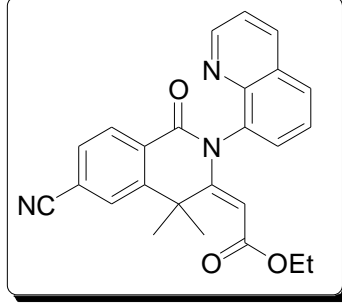
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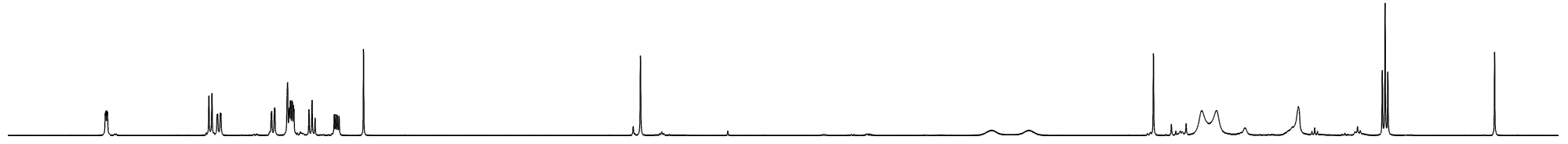
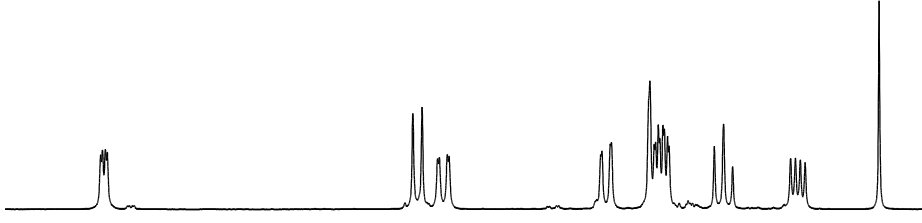
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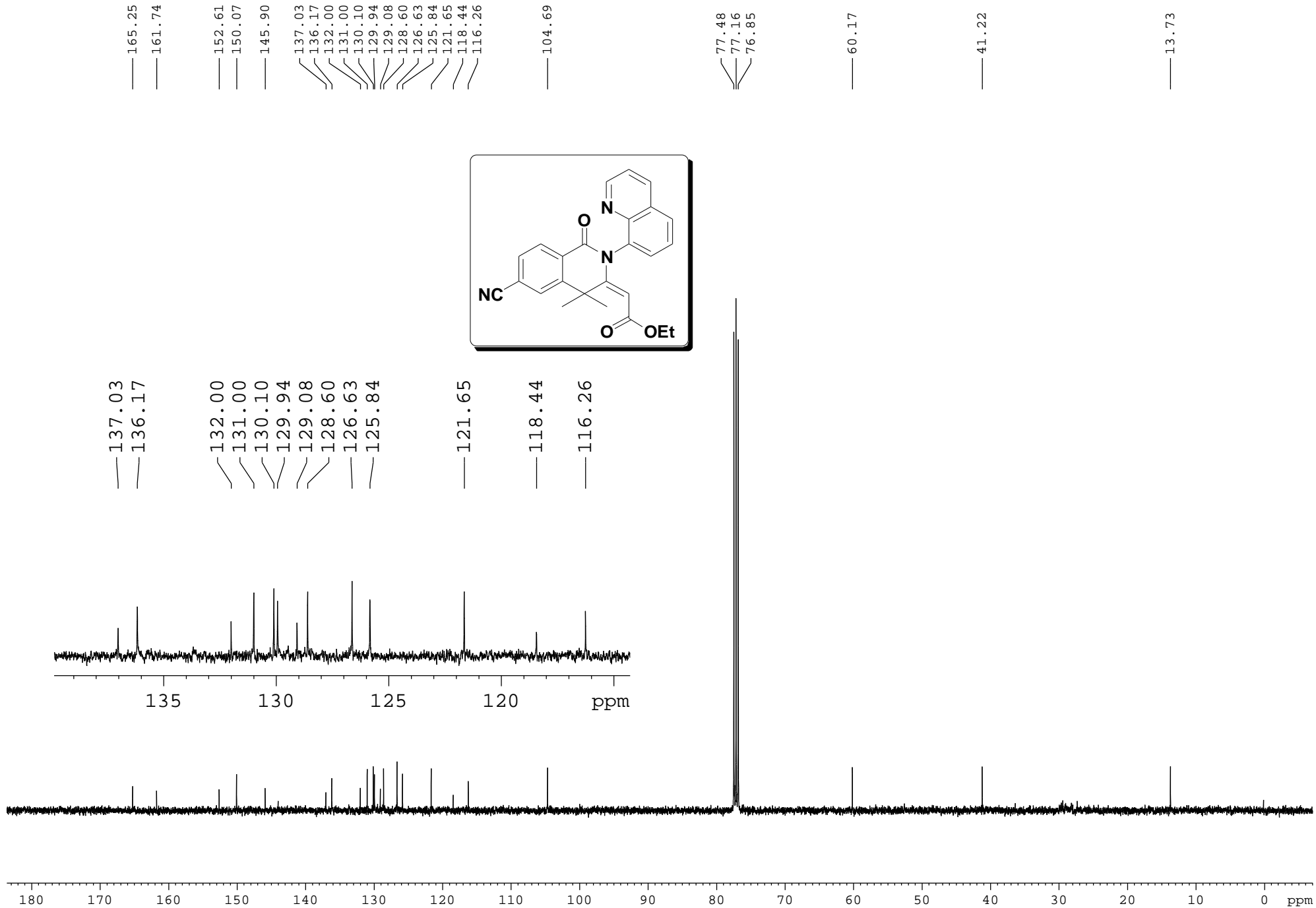
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1.05

6.13

3.03



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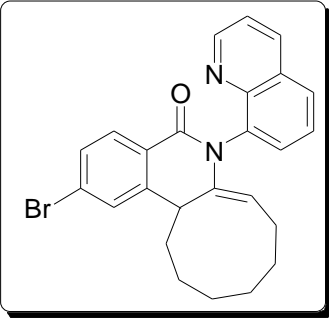
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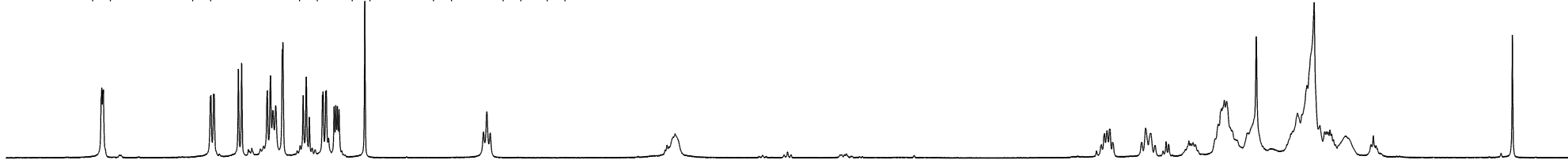
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7.254



8.3 8.2 8.1 8.0 7.9 7.8 7.7 7.6 7.5 7.4 7.3 ppm

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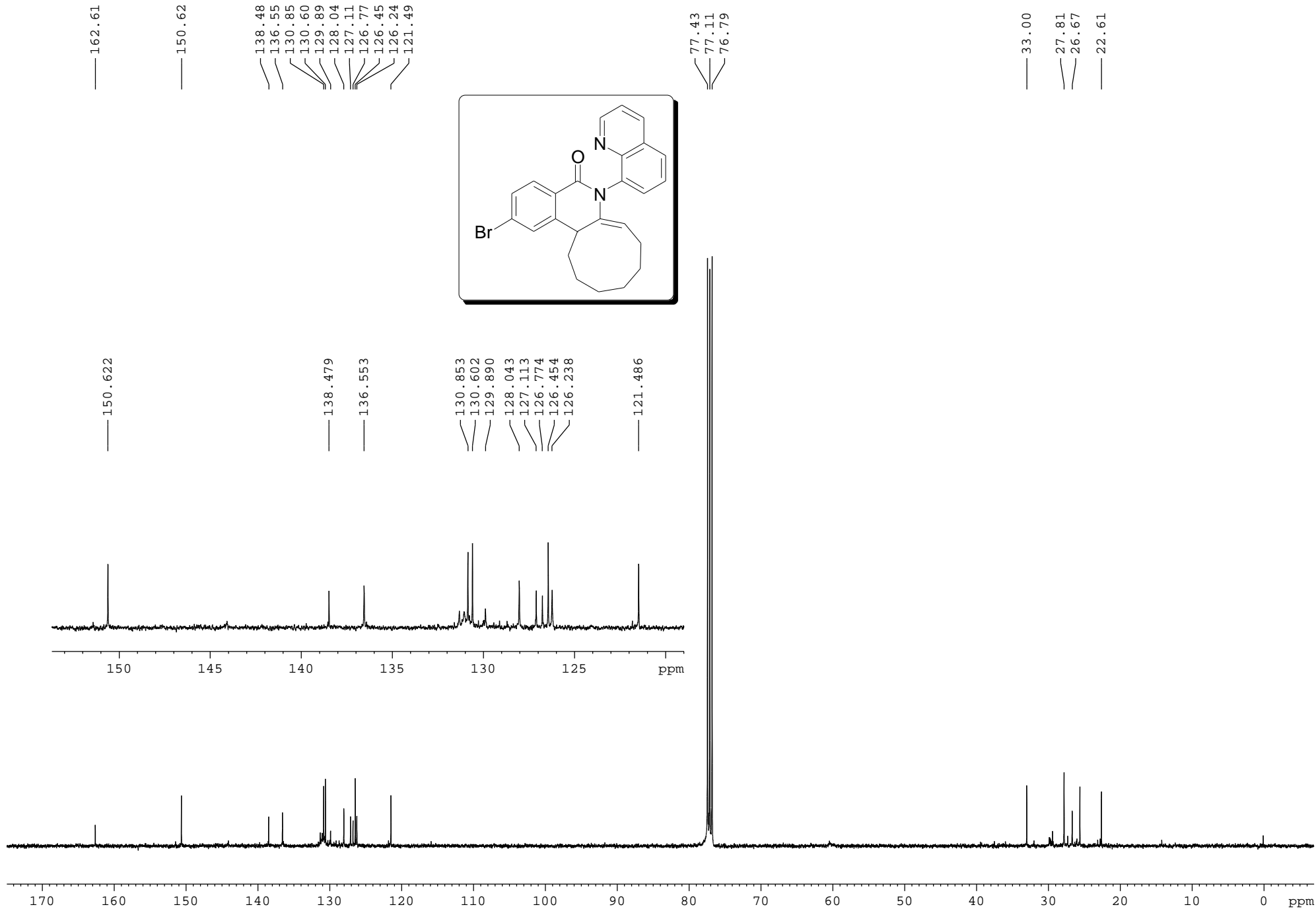


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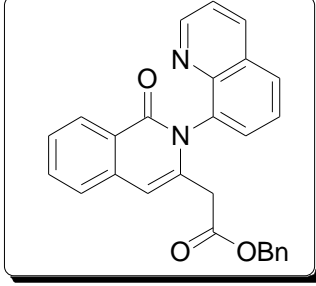




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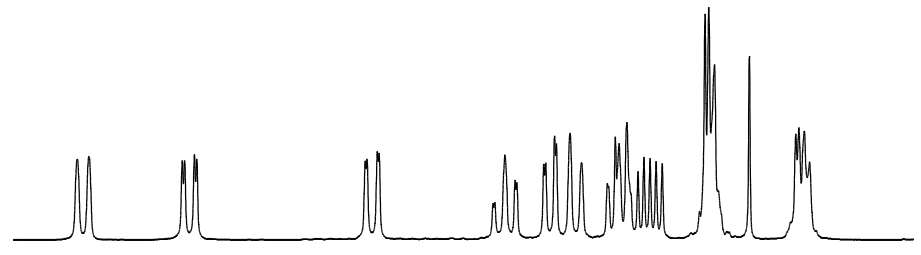
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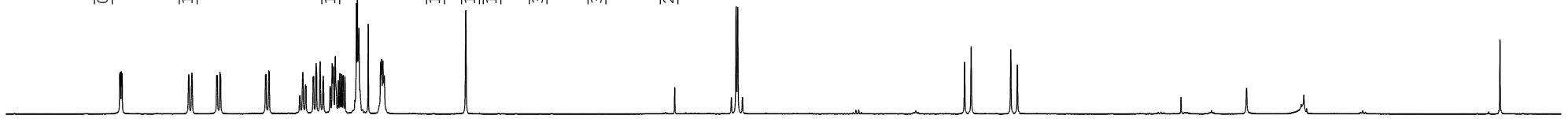
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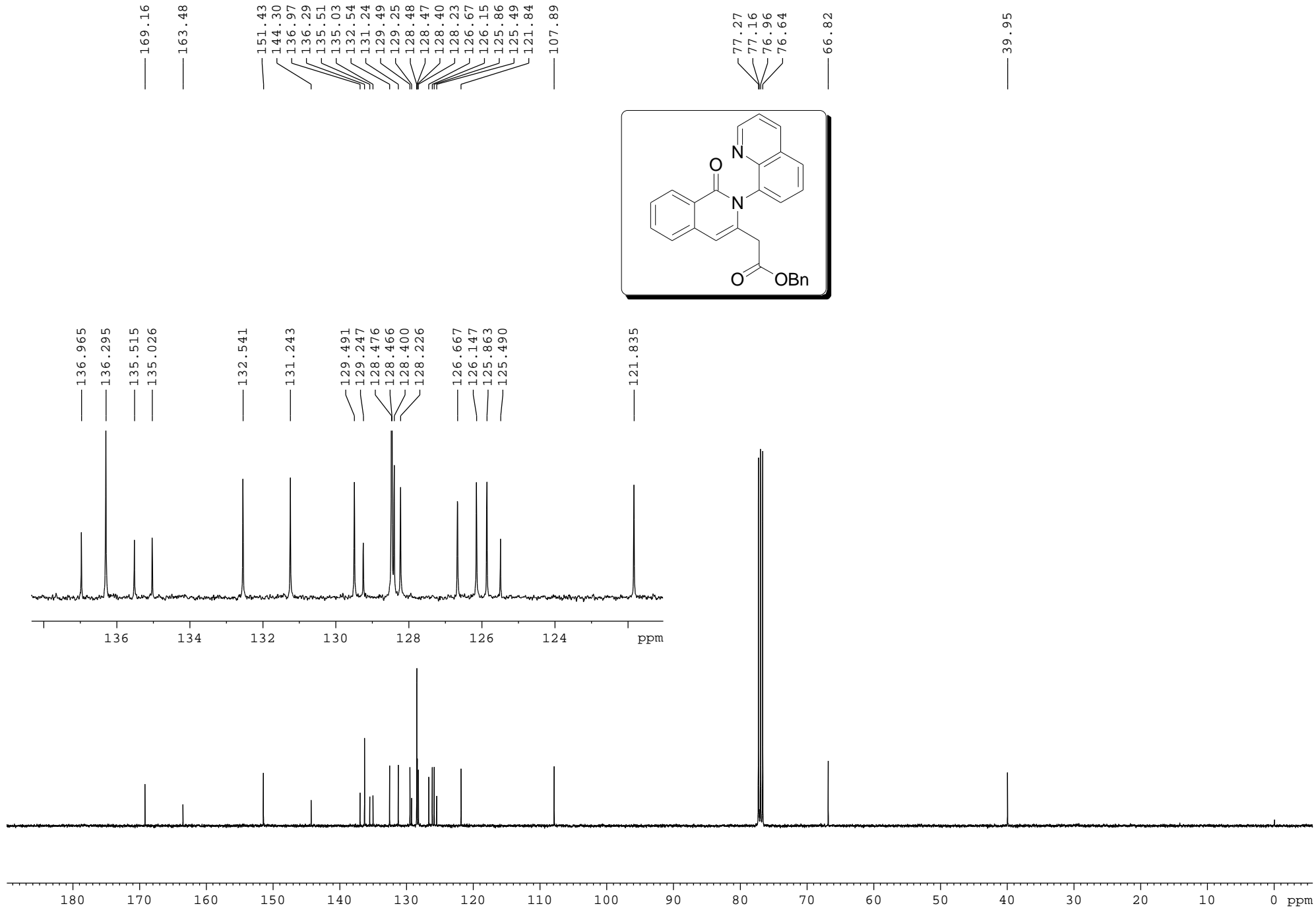
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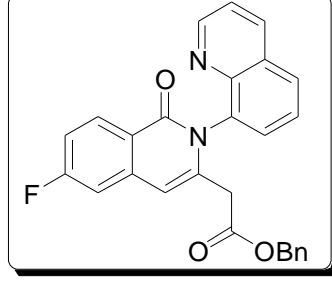
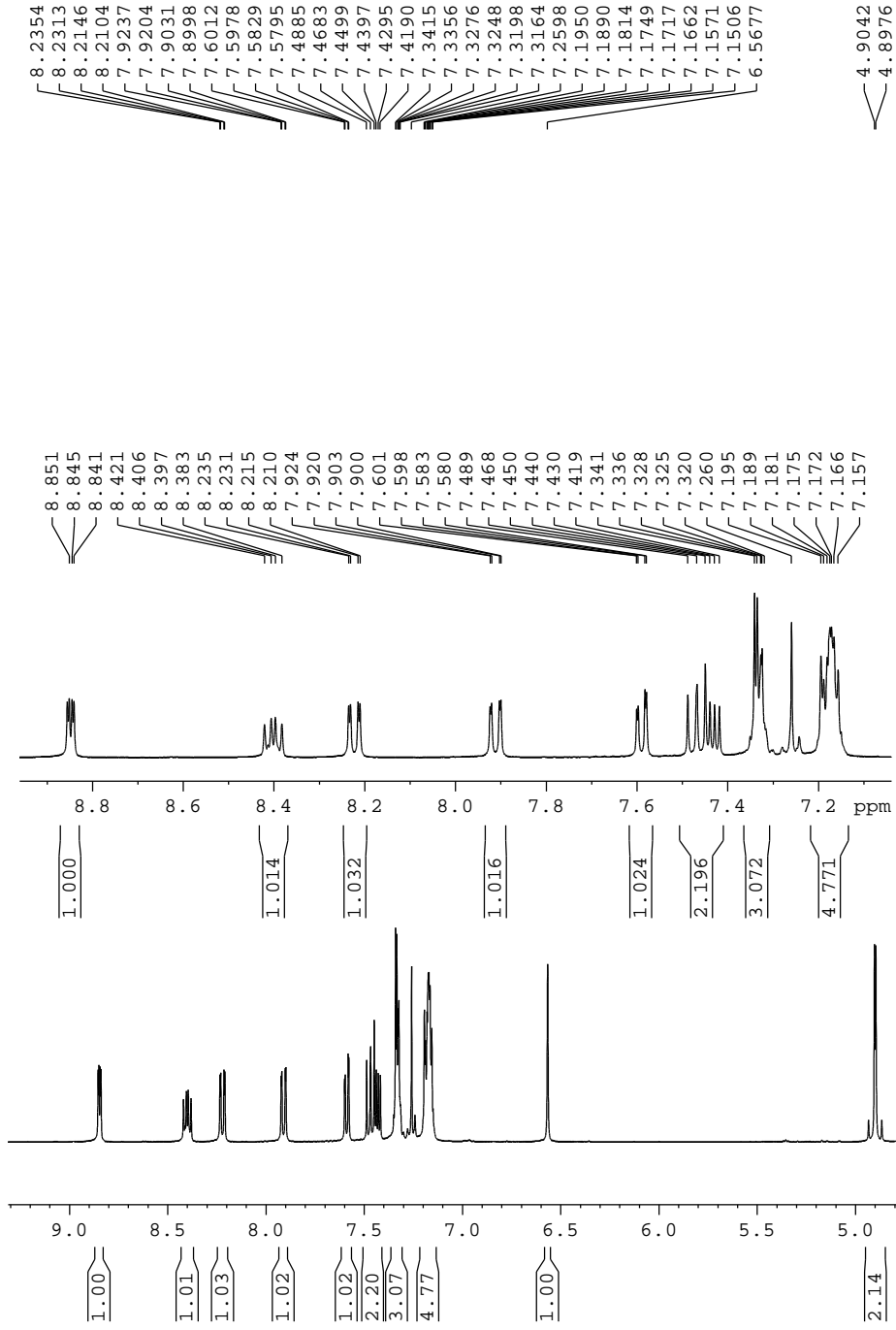


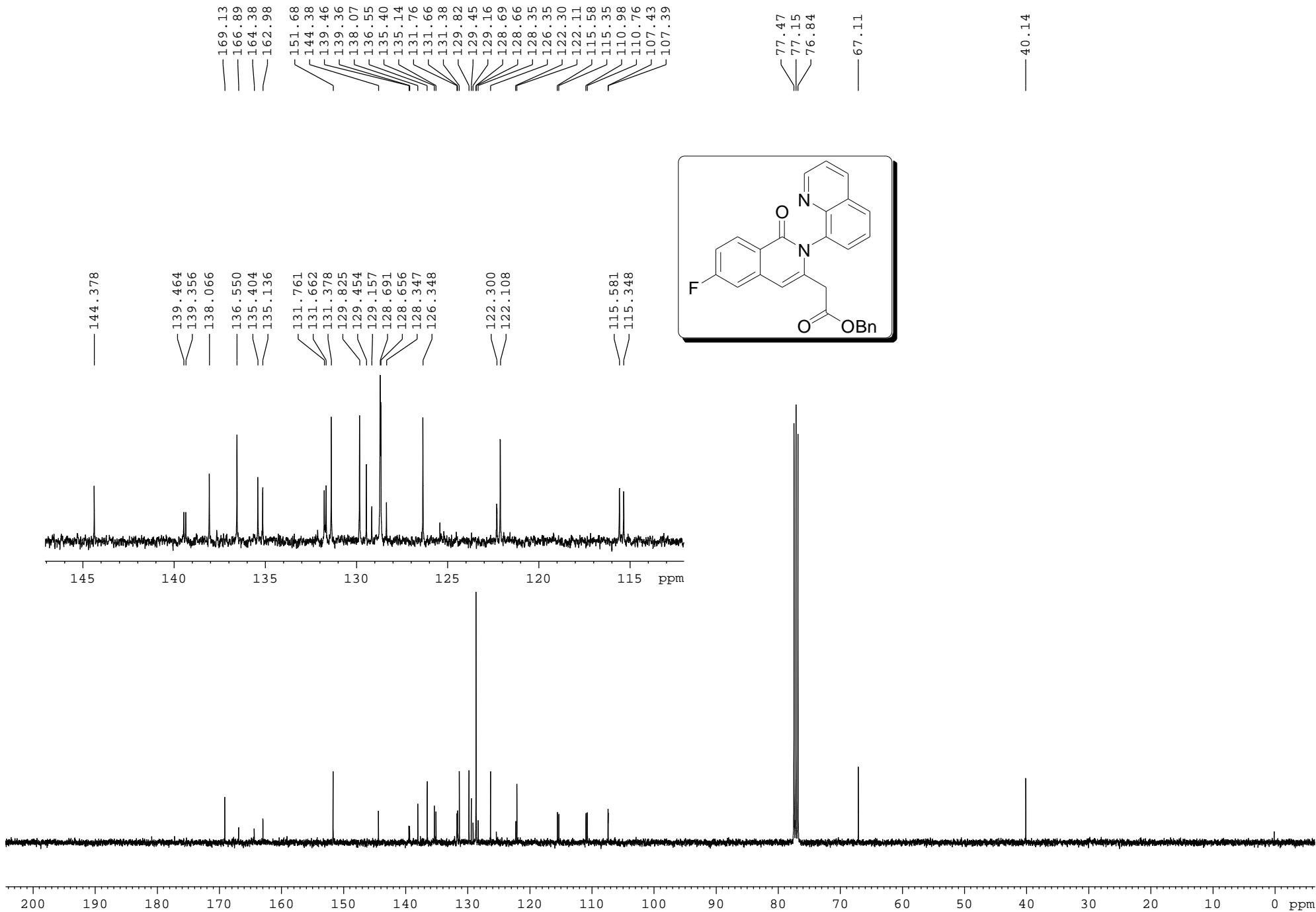
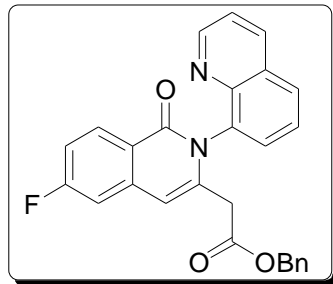
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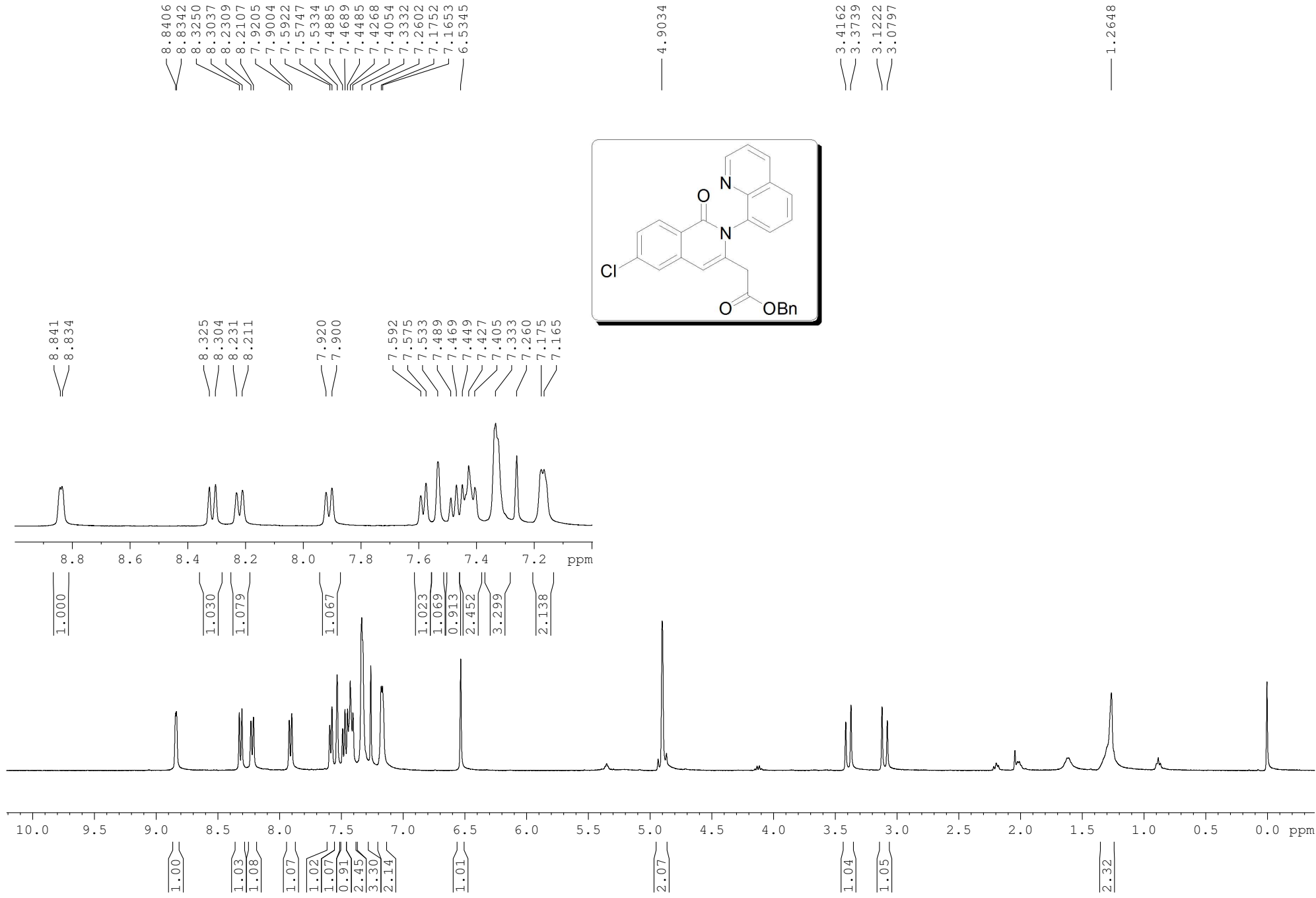


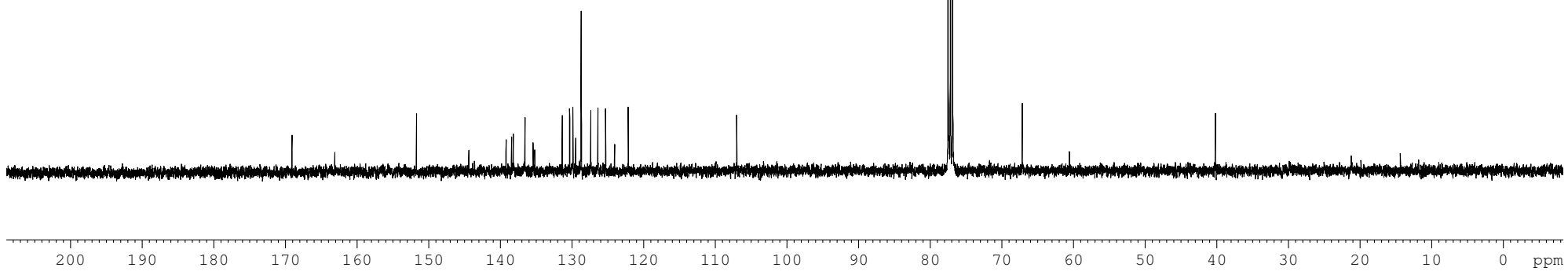
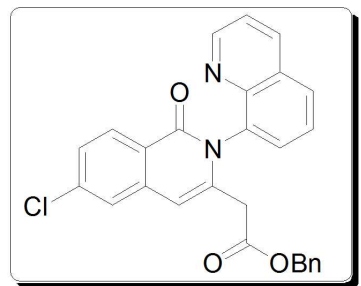
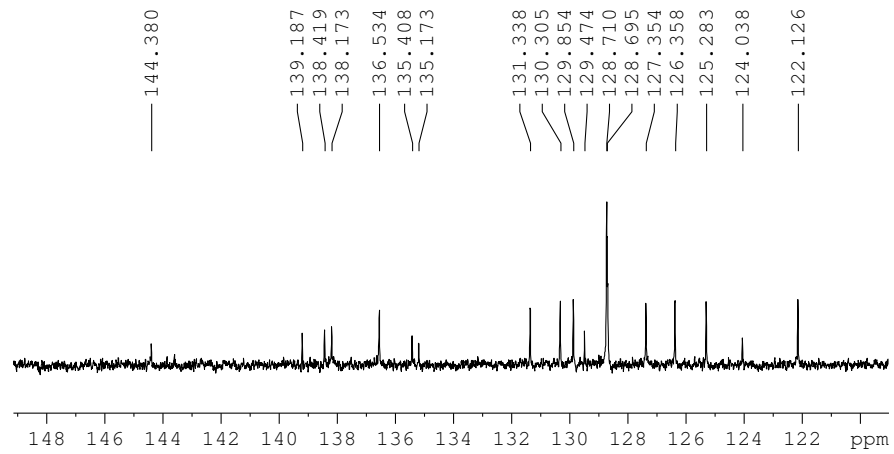
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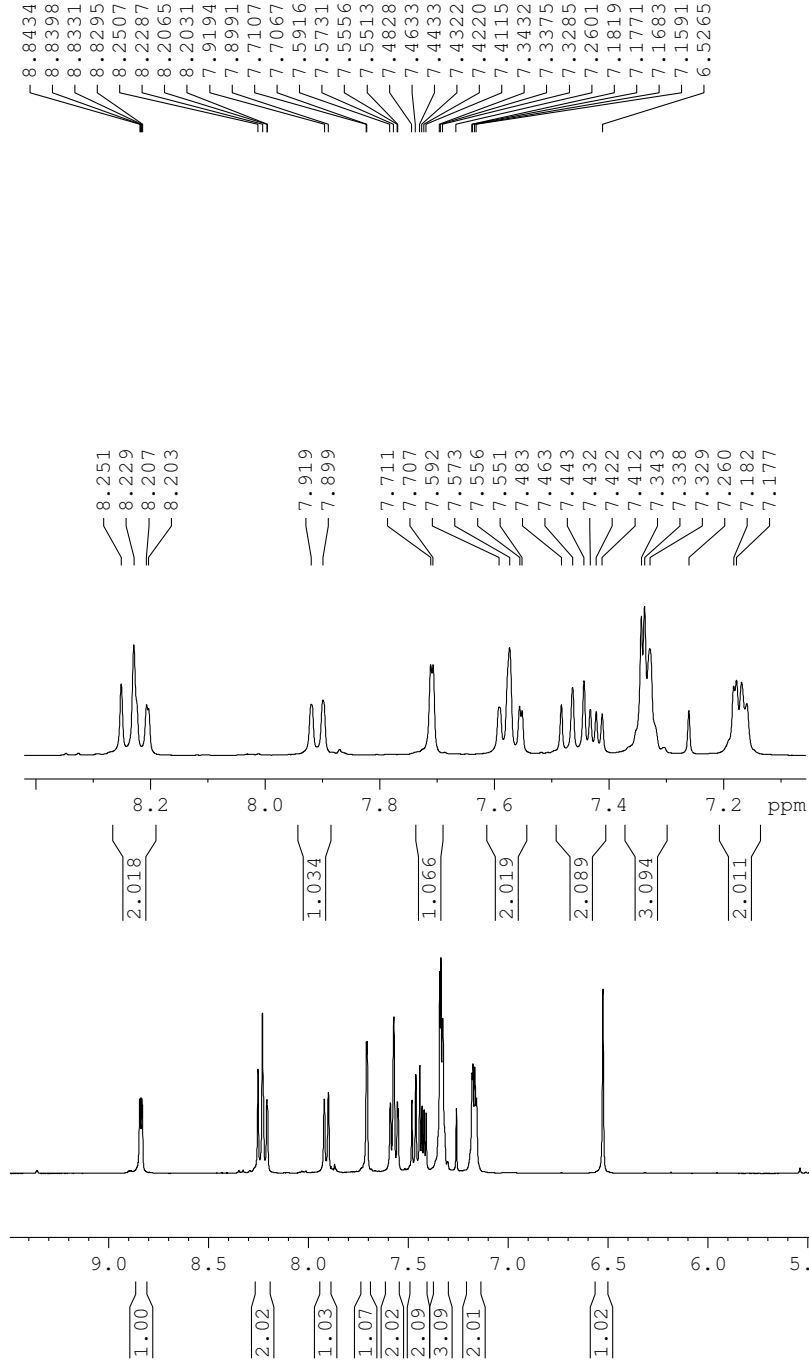








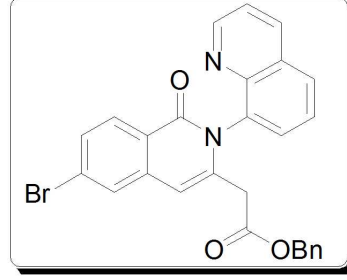
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- 151.6849
- 144.3795
- 139.1867
- 138.4190
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- 136.5343
- 135.4080
- 135.1734
- 131.3384
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- 129.8543
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- 125.2834
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- 122.1265
- 106.9827



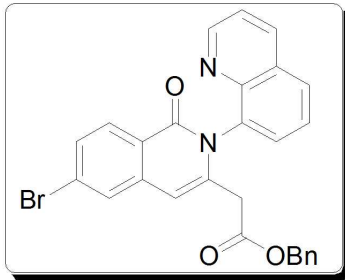
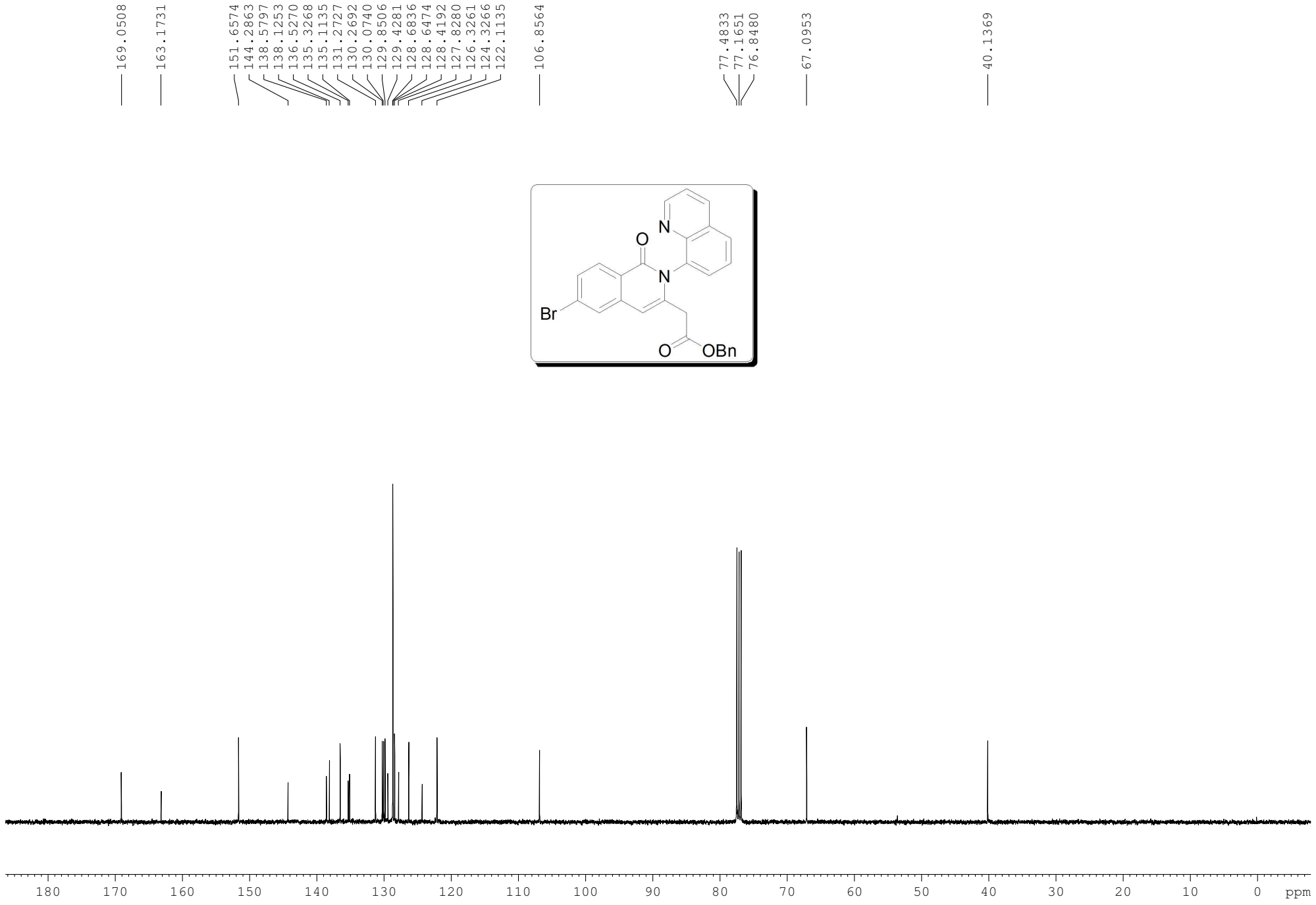
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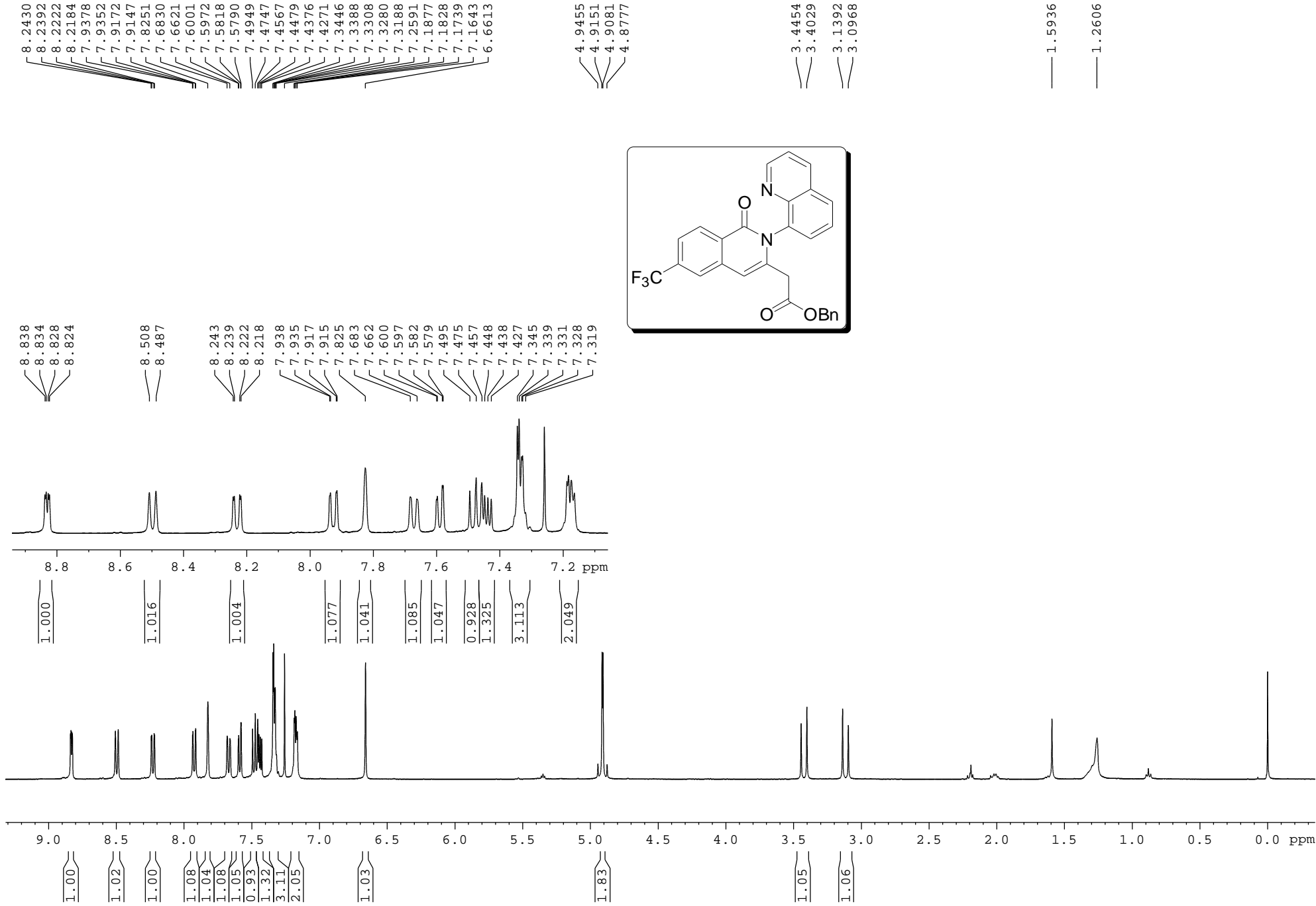
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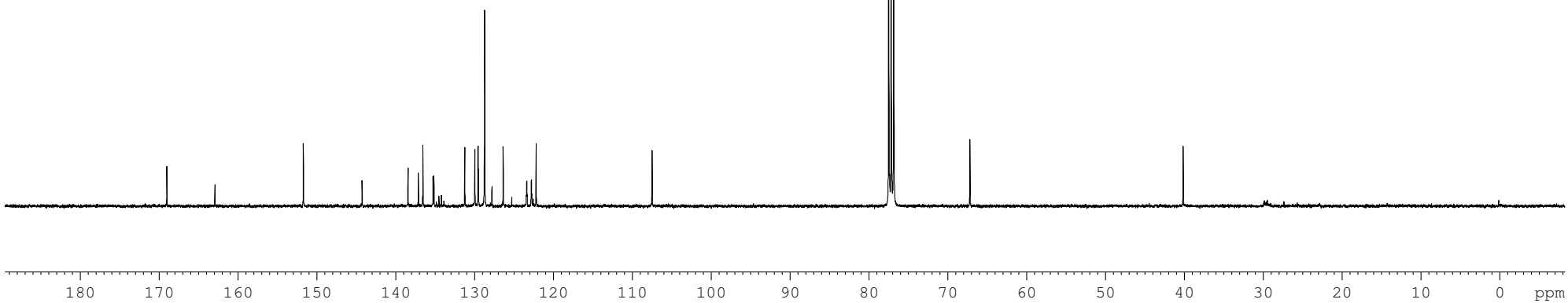
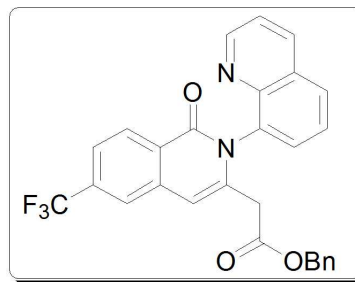
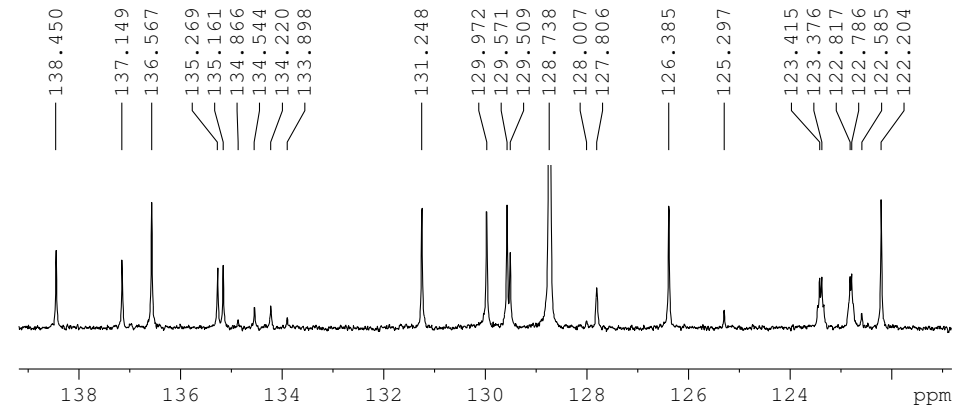
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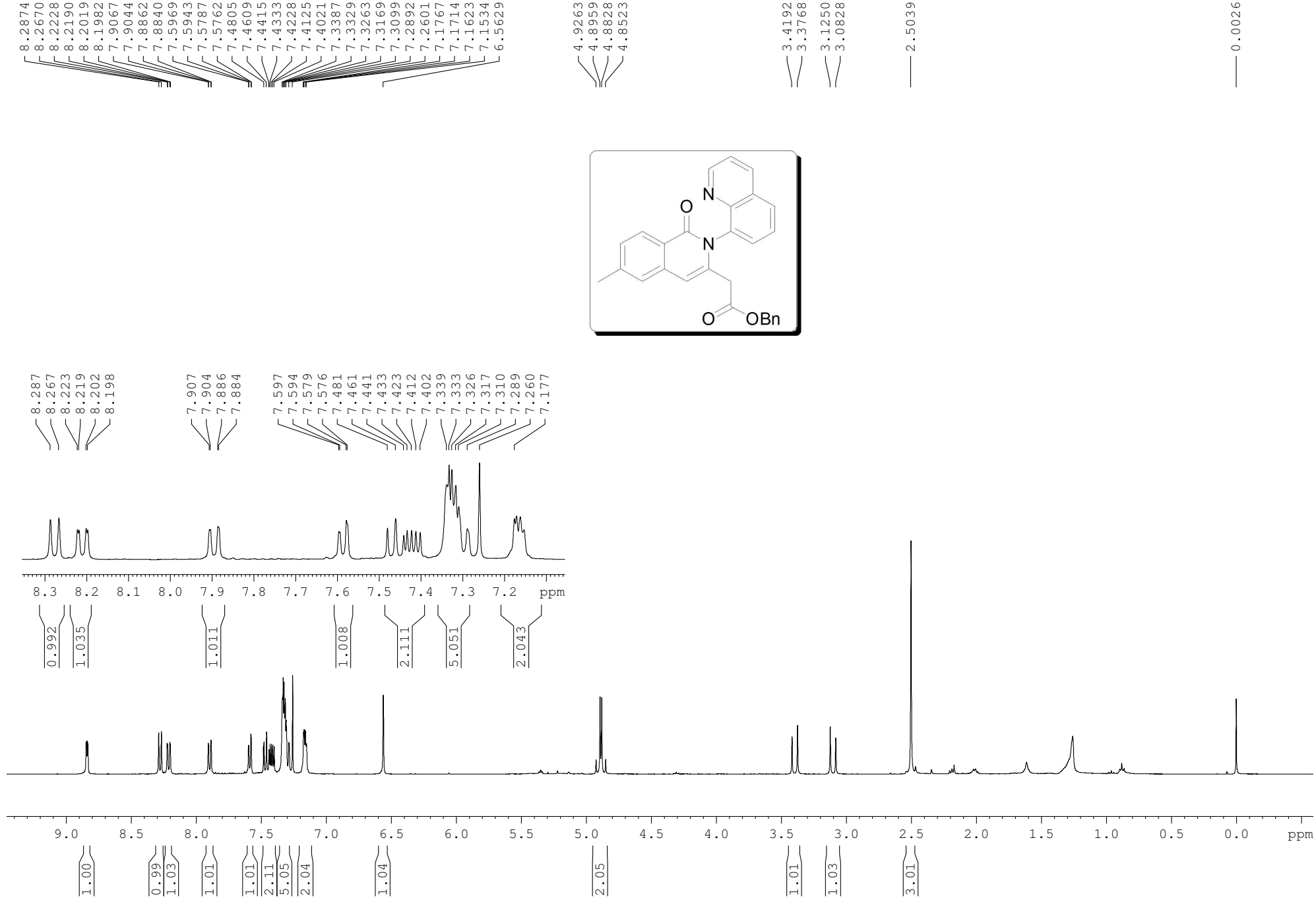


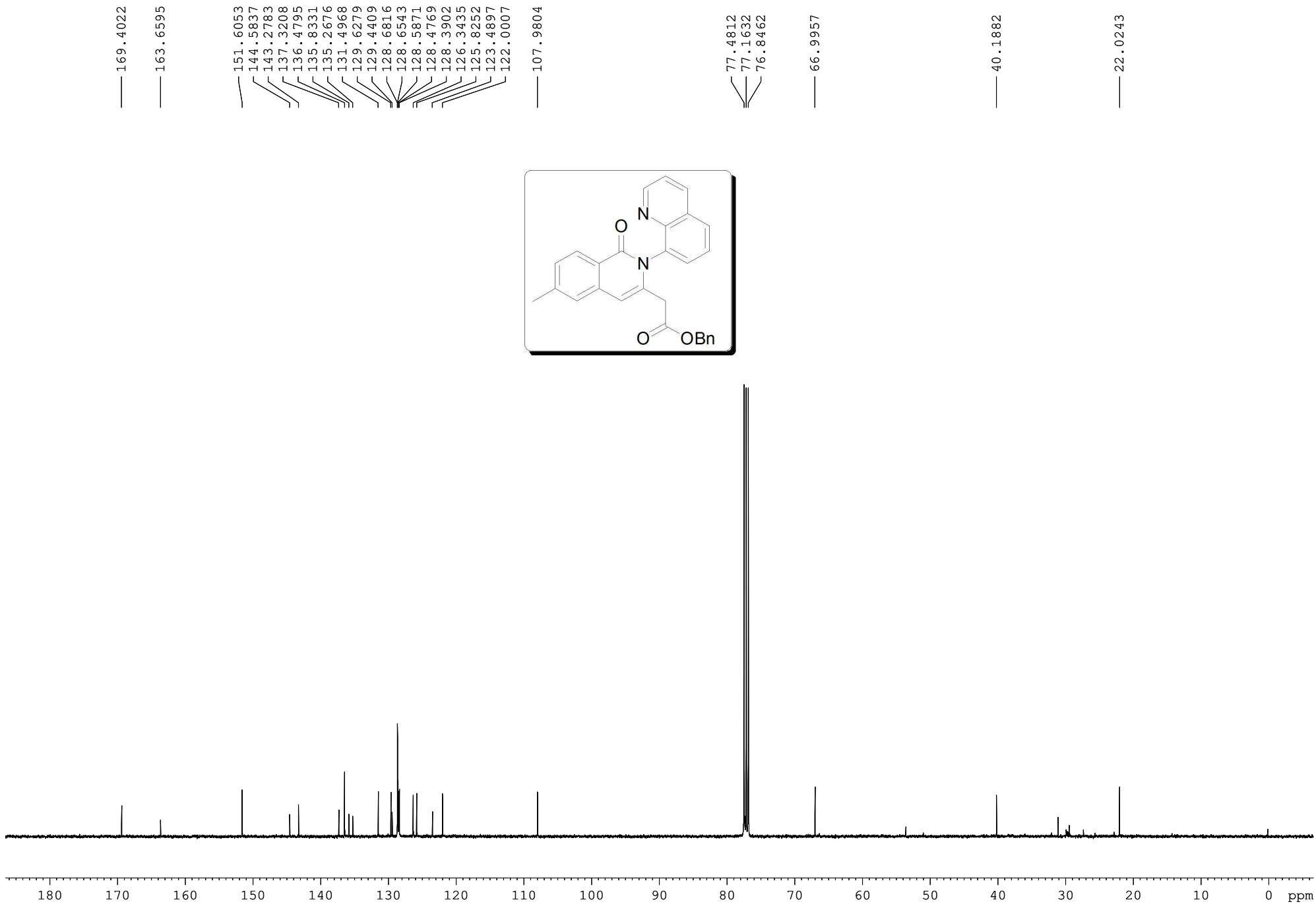


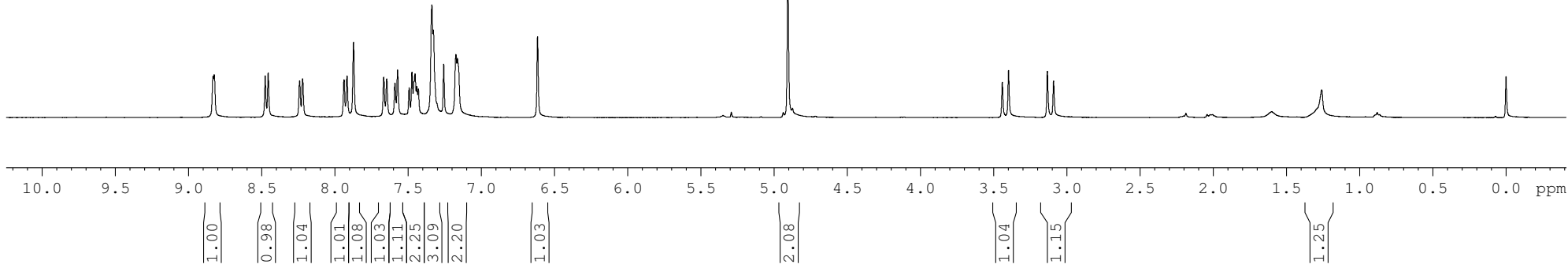
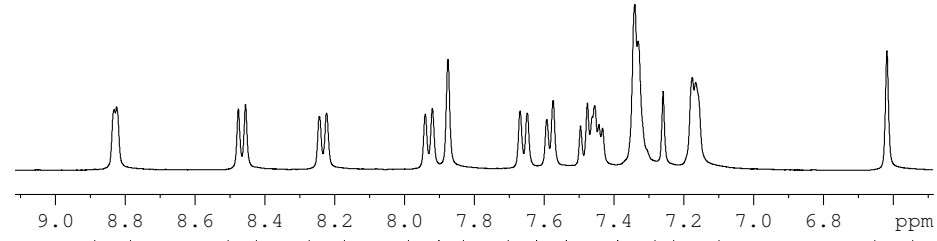










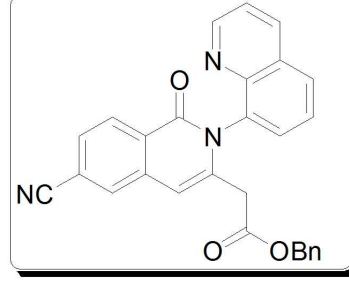


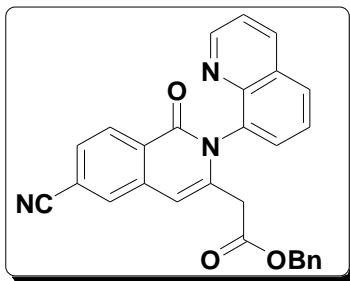
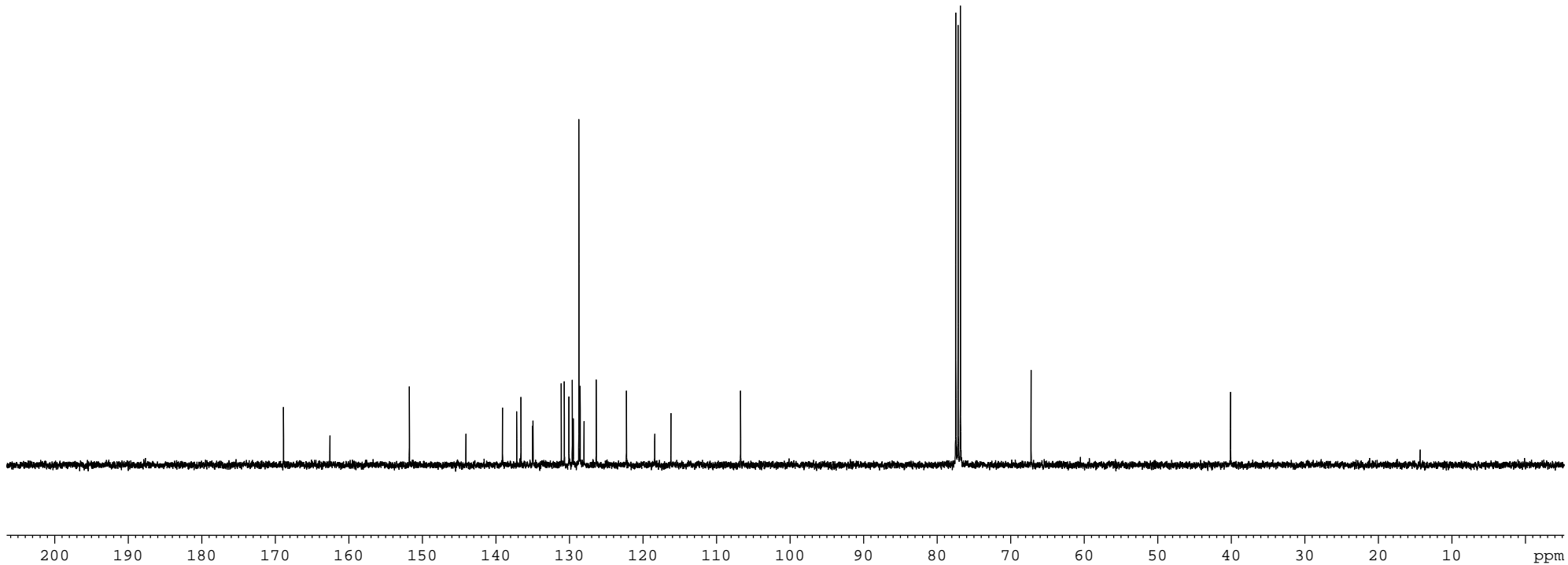
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1.2597





— 168.88

— 162.57

151.76

144.11

139.13

137.20

136.62

135.04

134.98

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128.05

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116.23

— 106.76

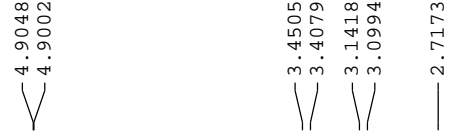
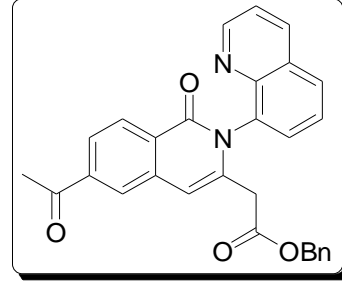
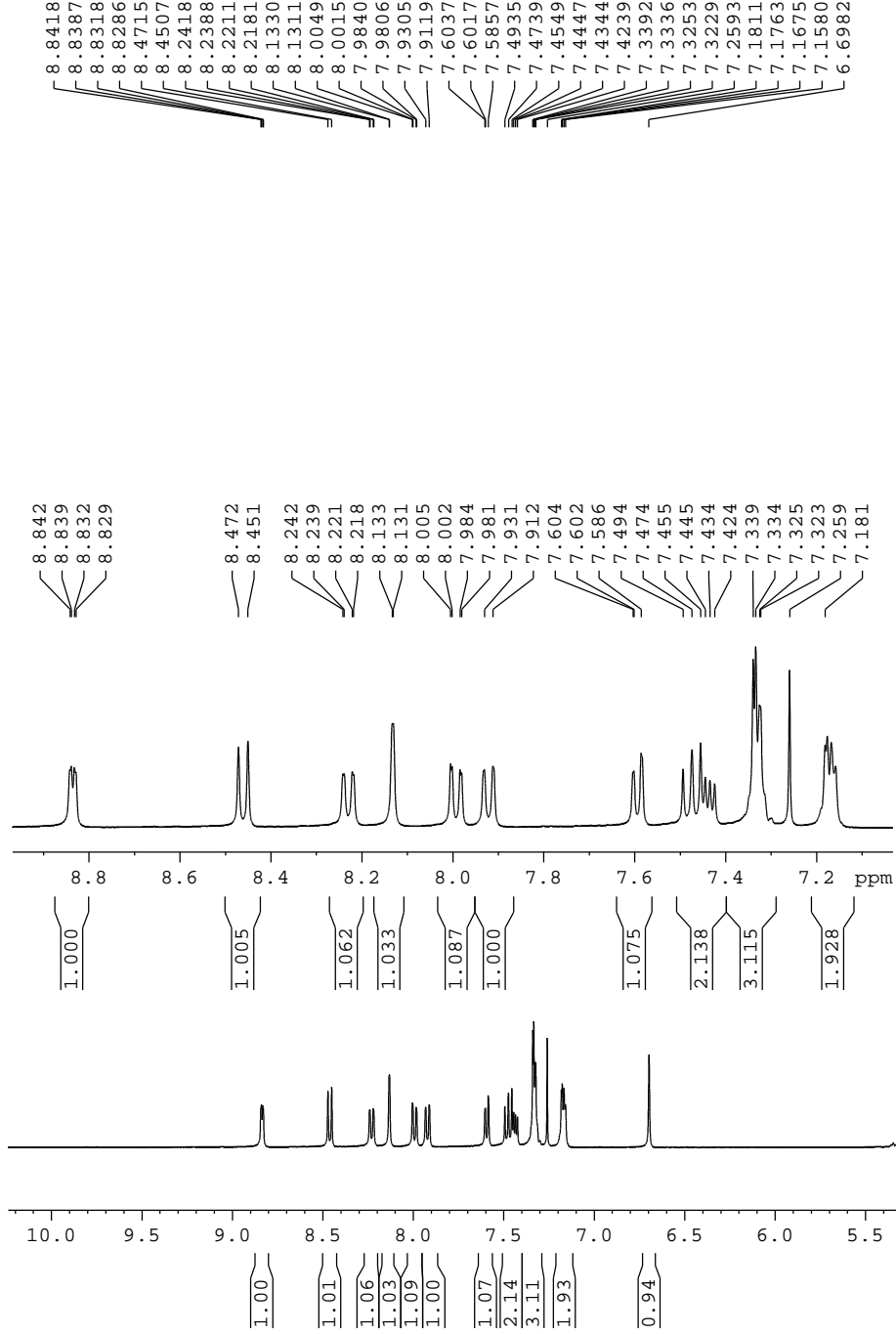
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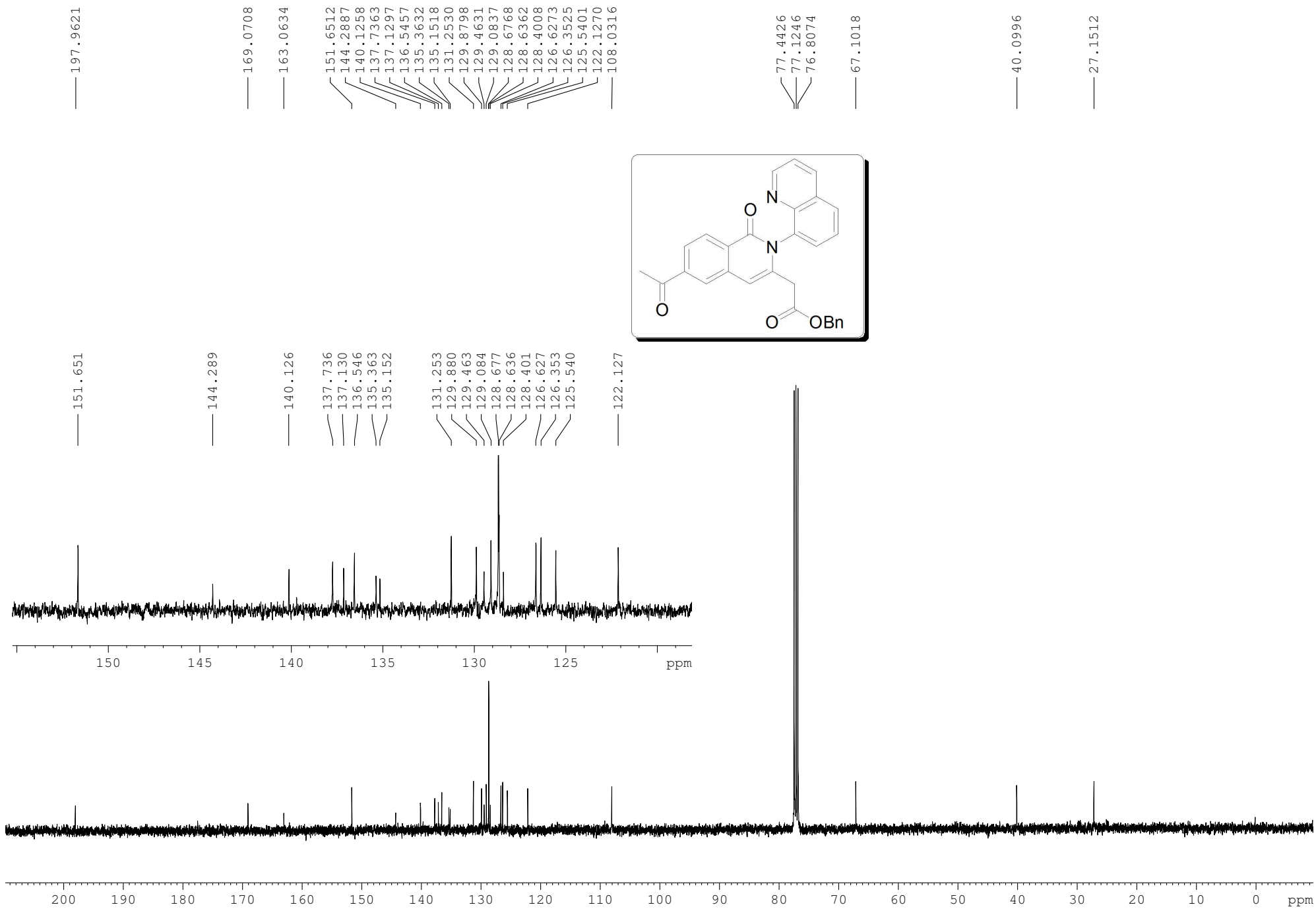
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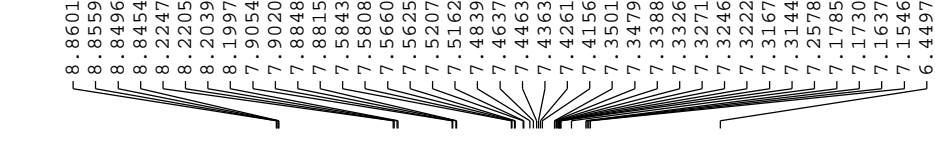
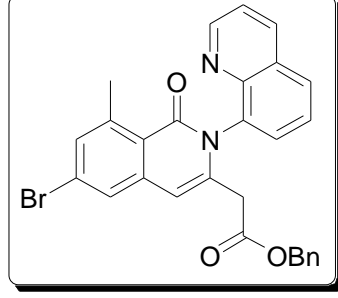
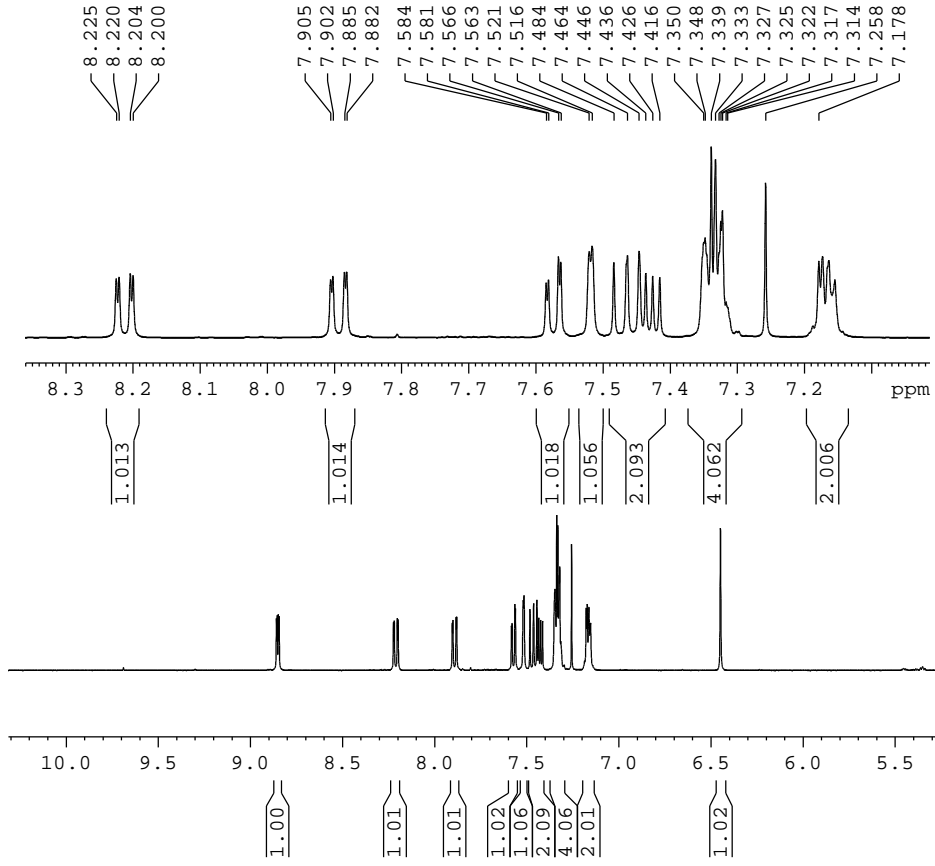
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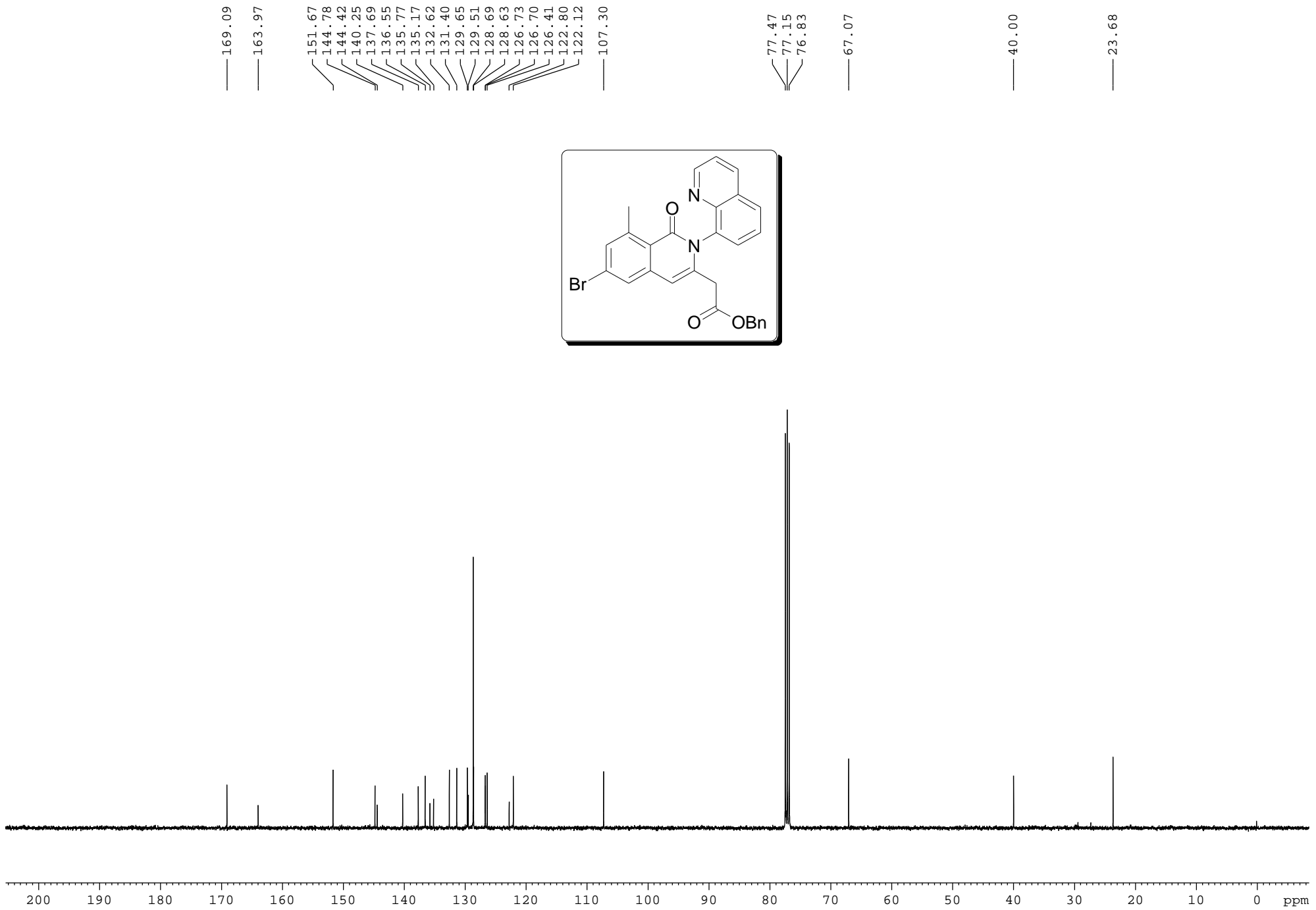
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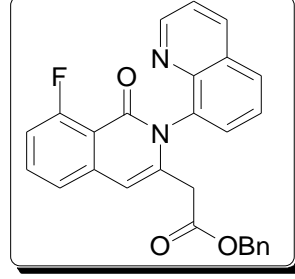






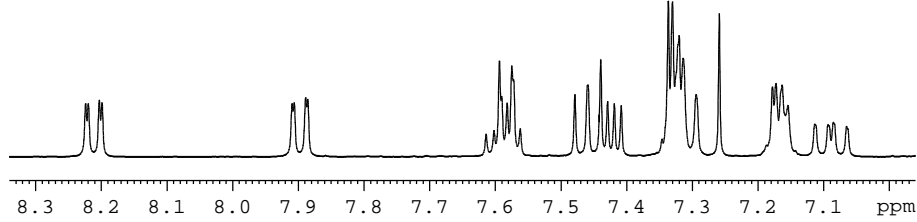
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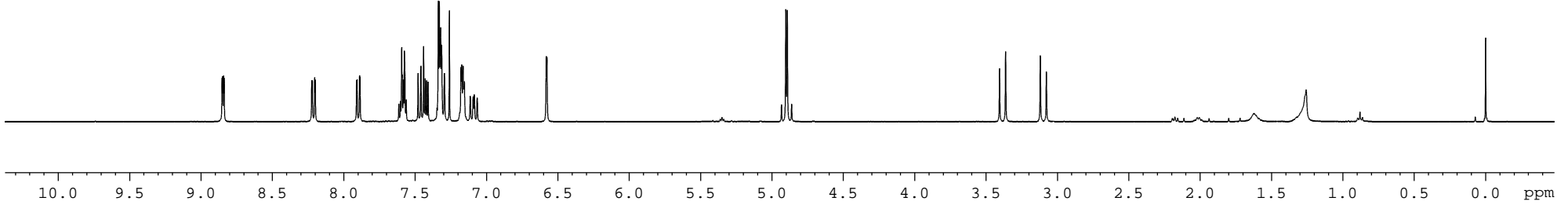


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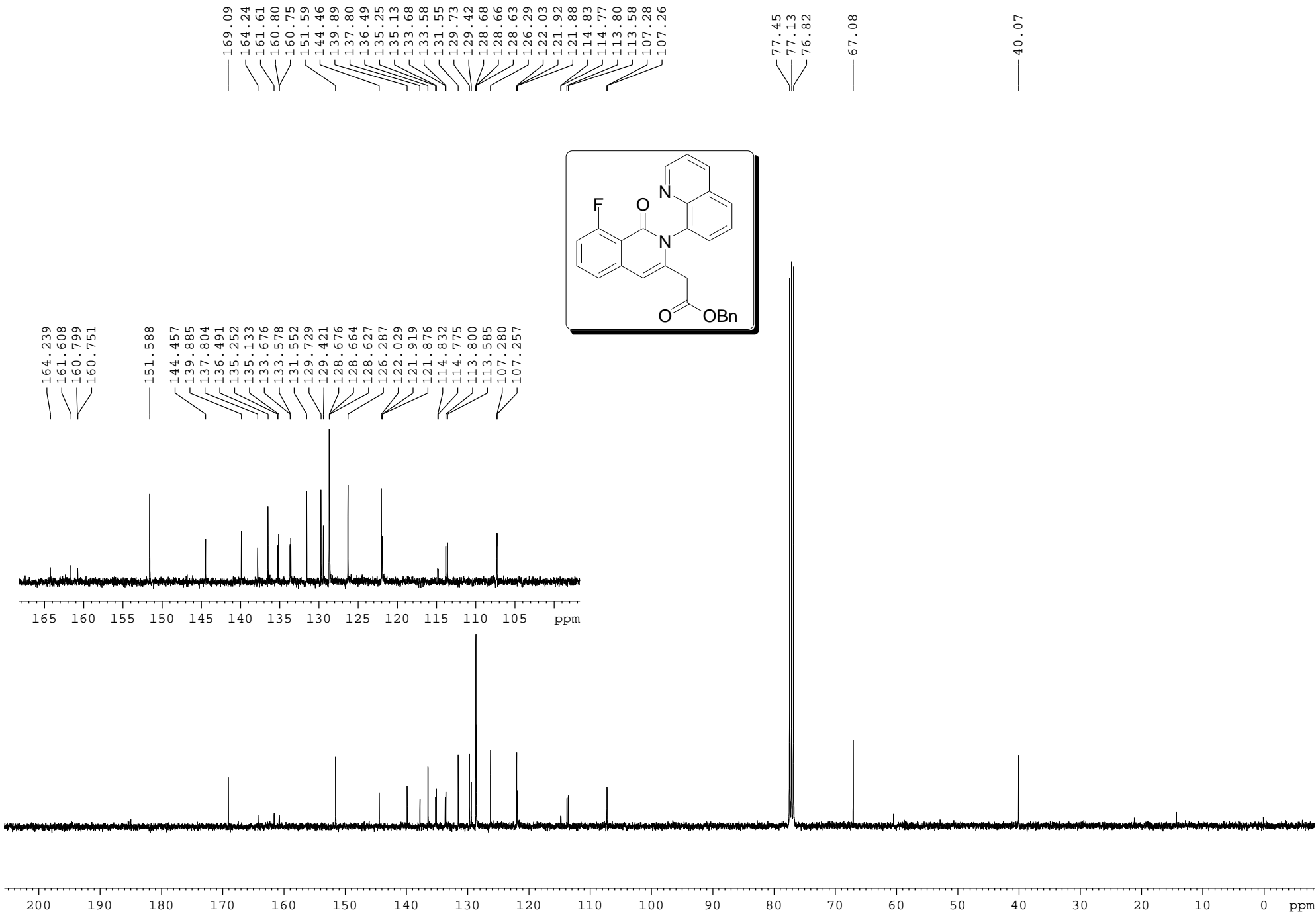
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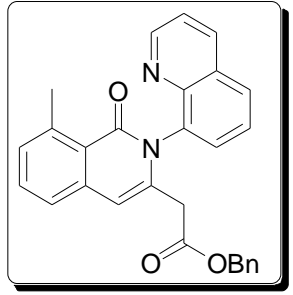
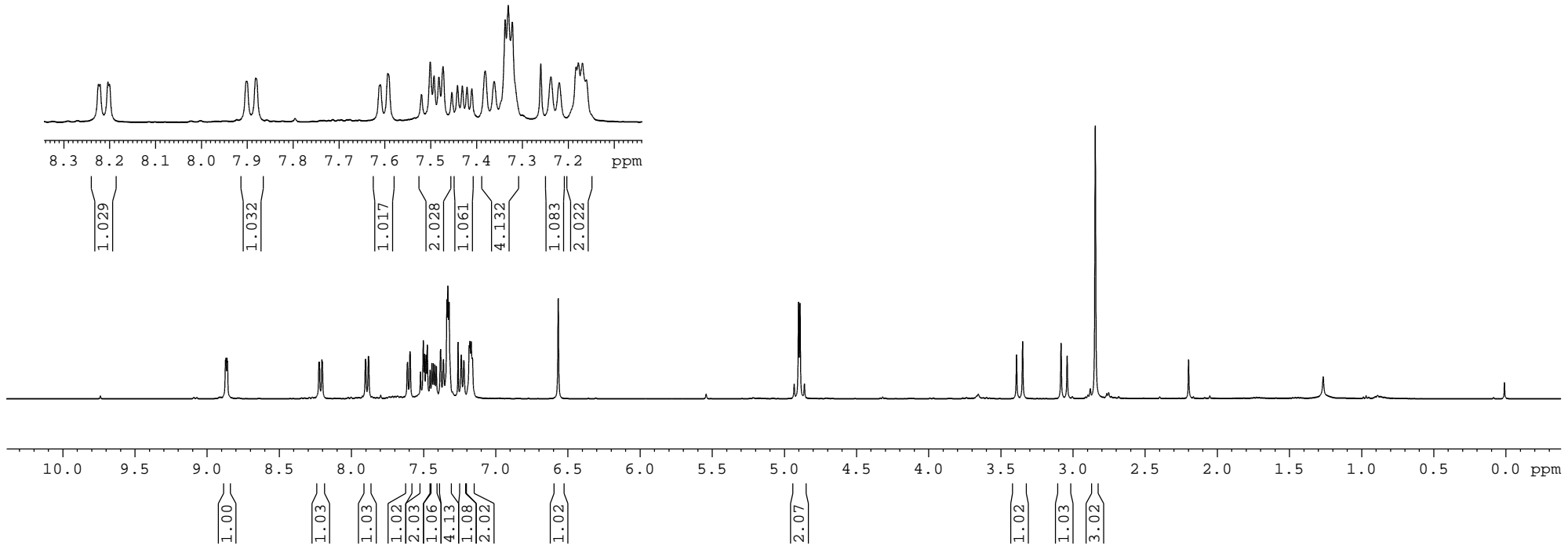


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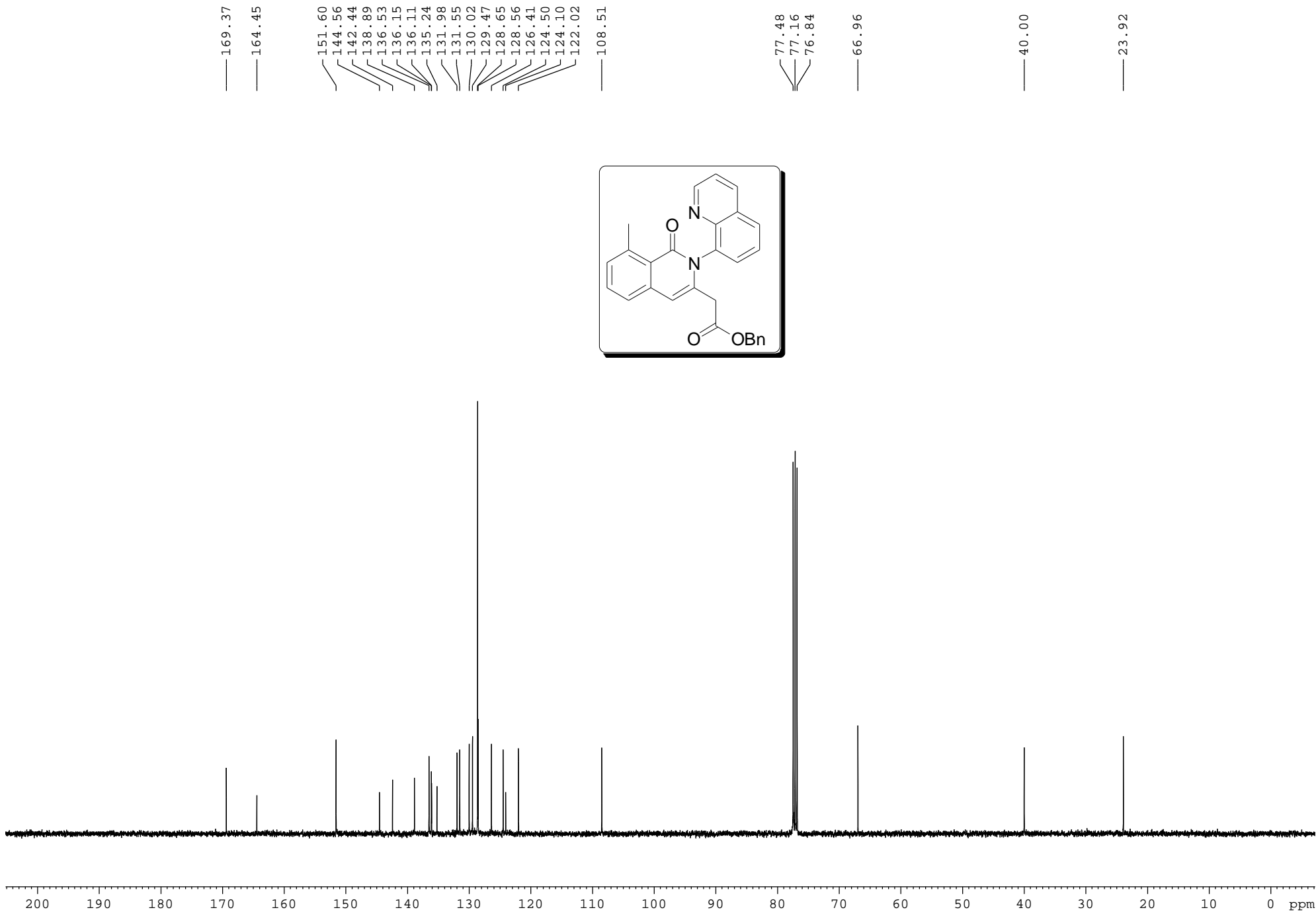


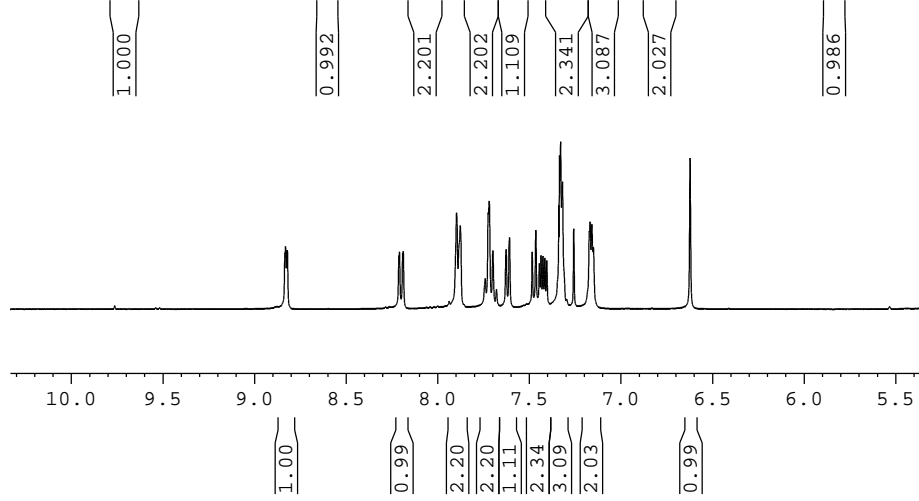
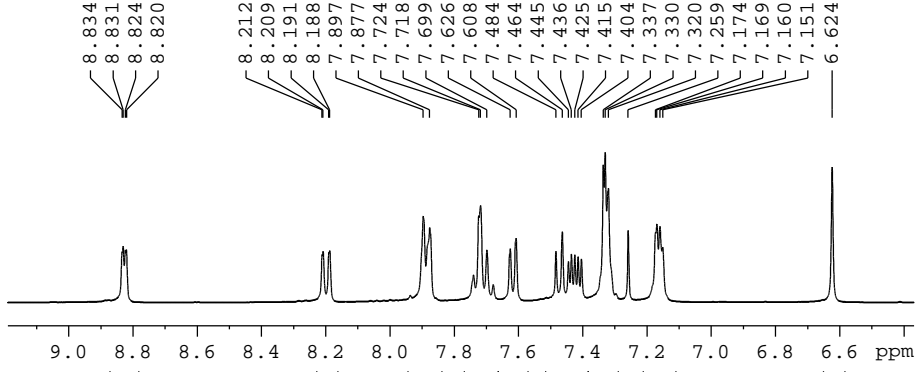
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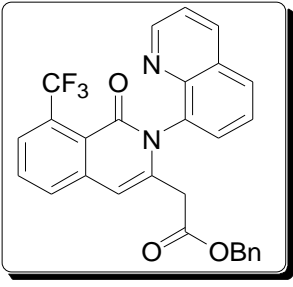




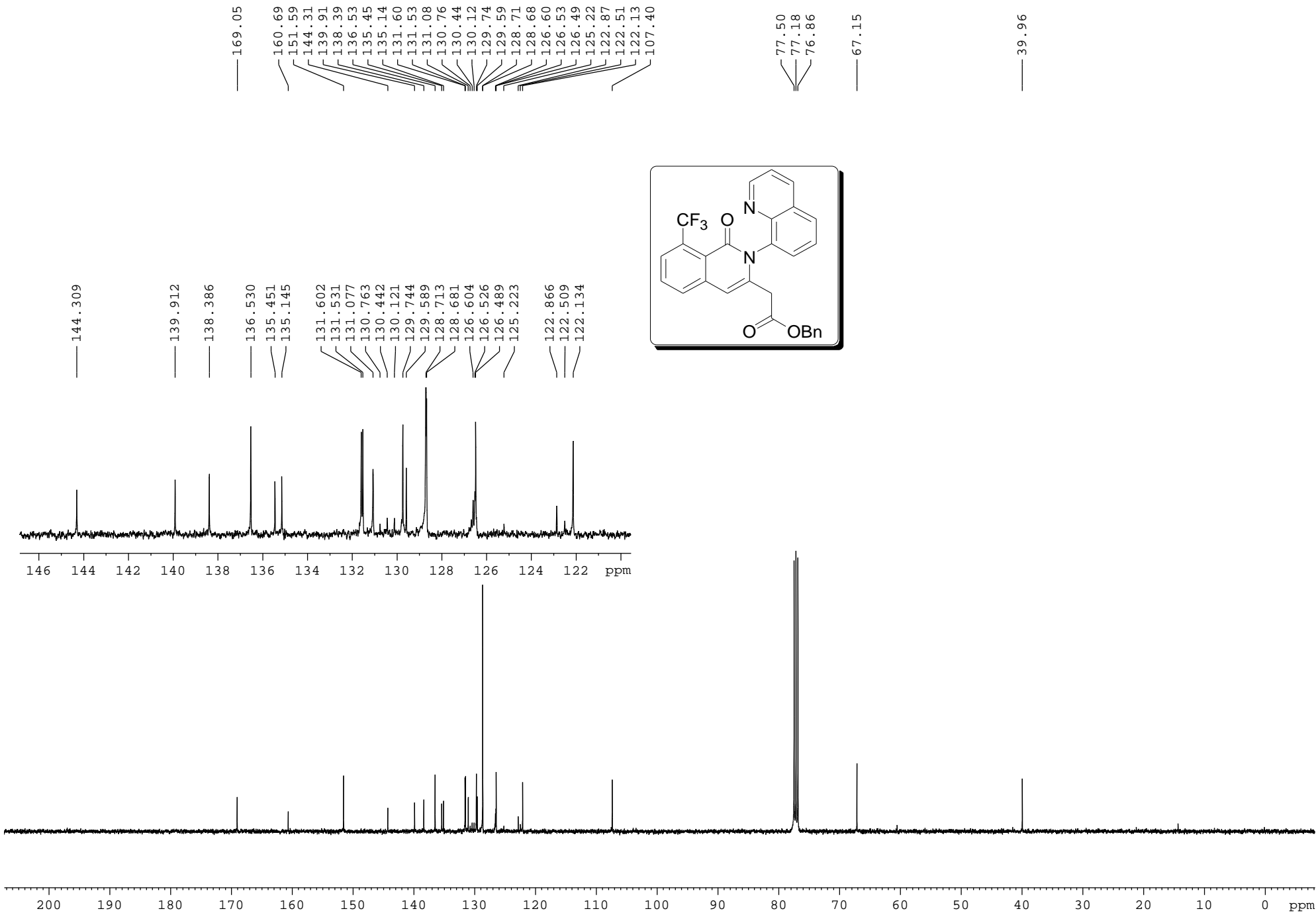
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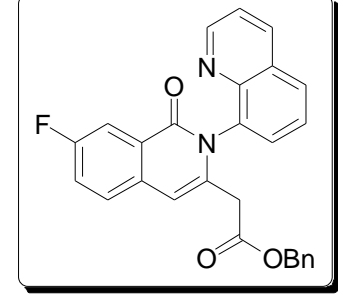
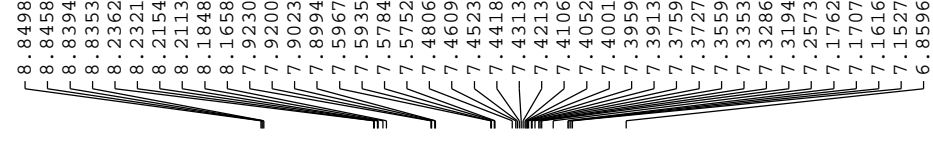
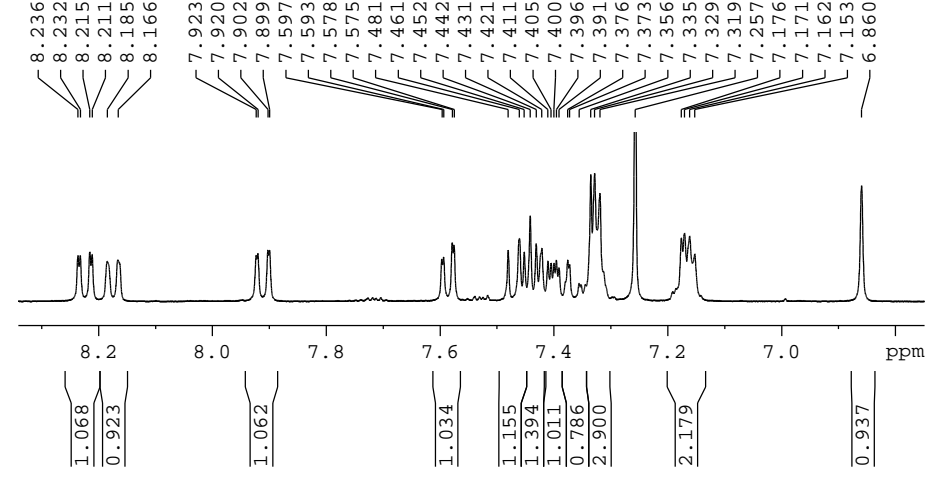
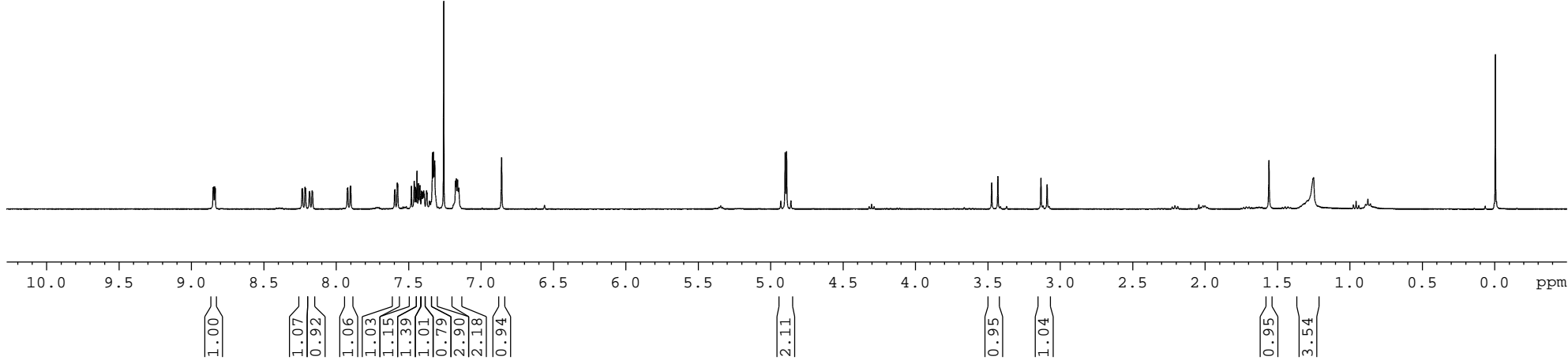
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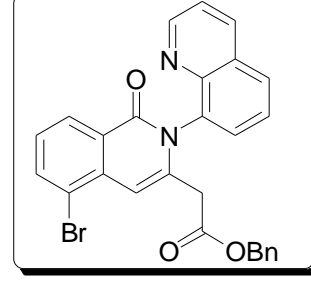


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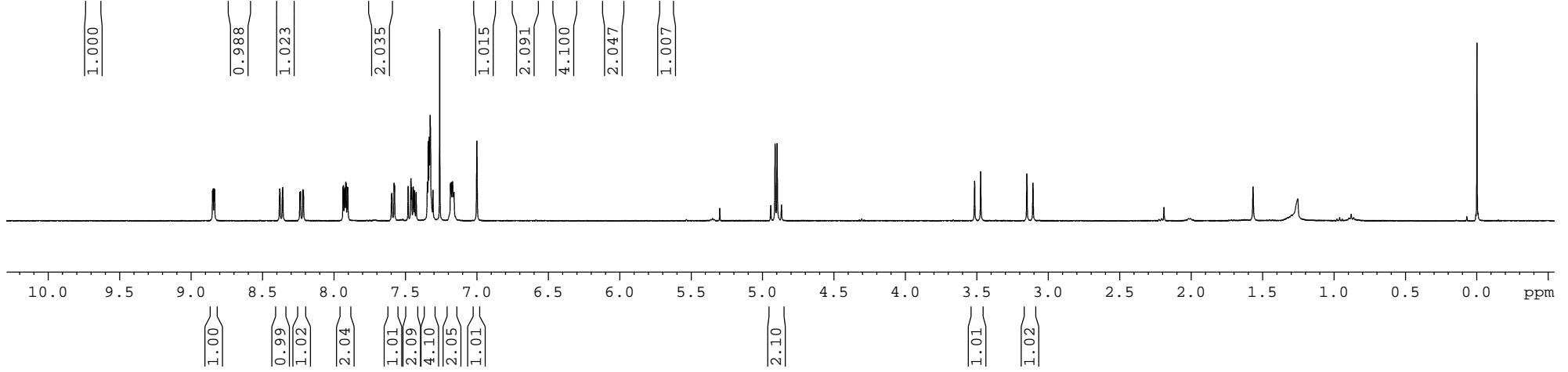
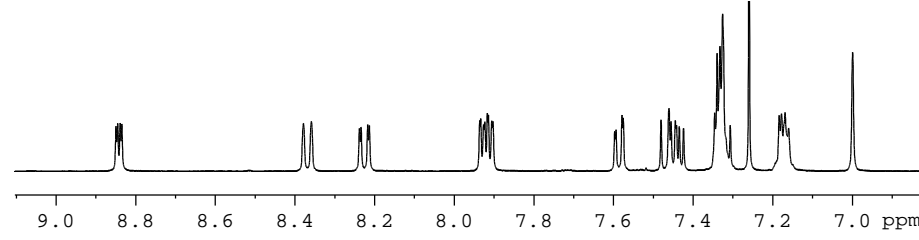
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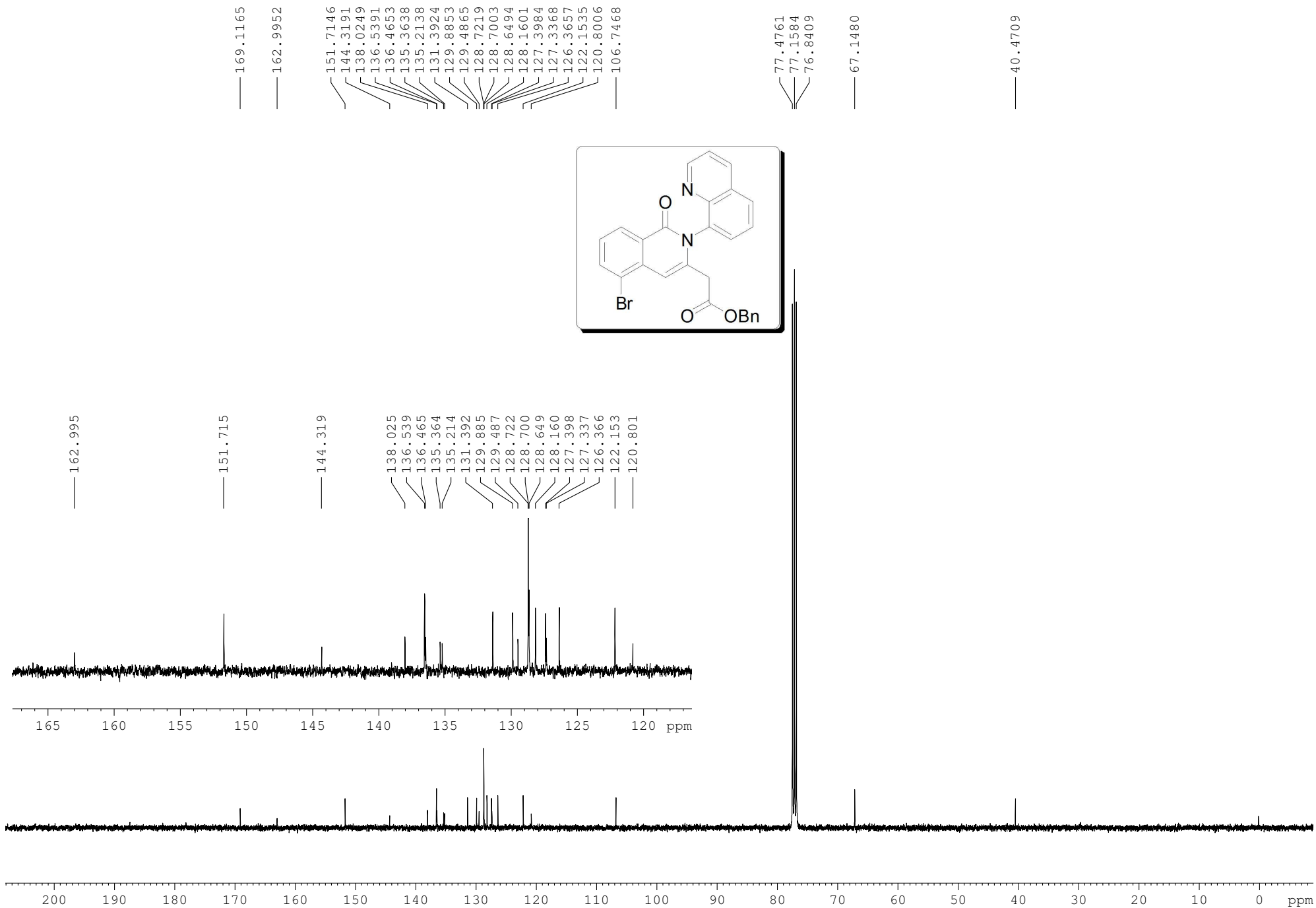
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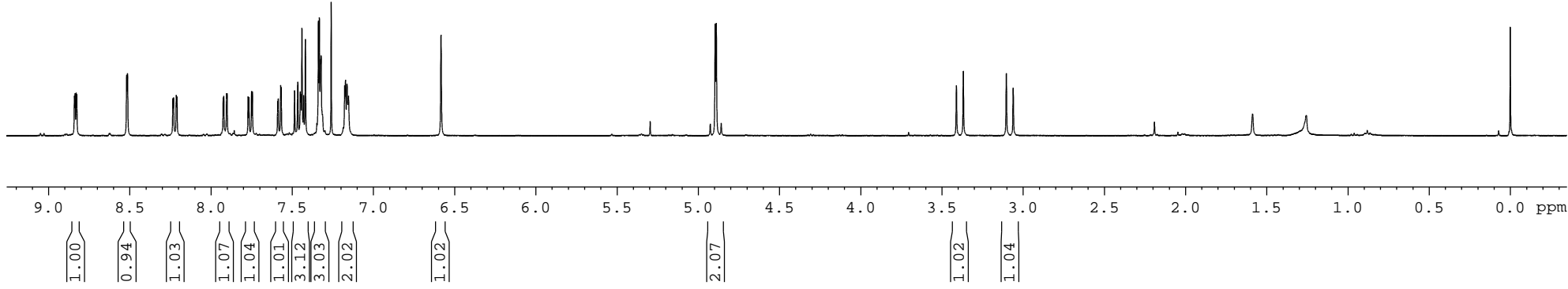
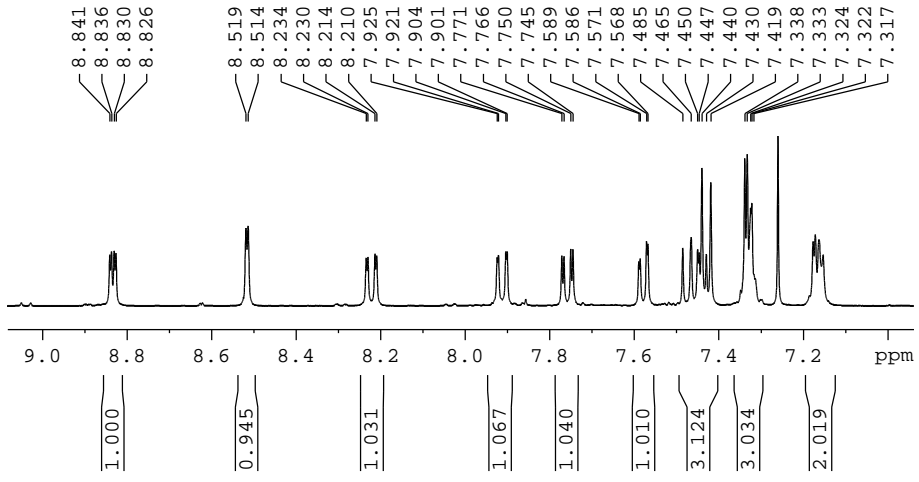


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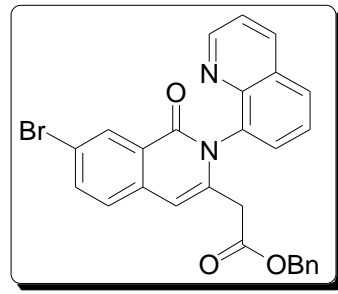


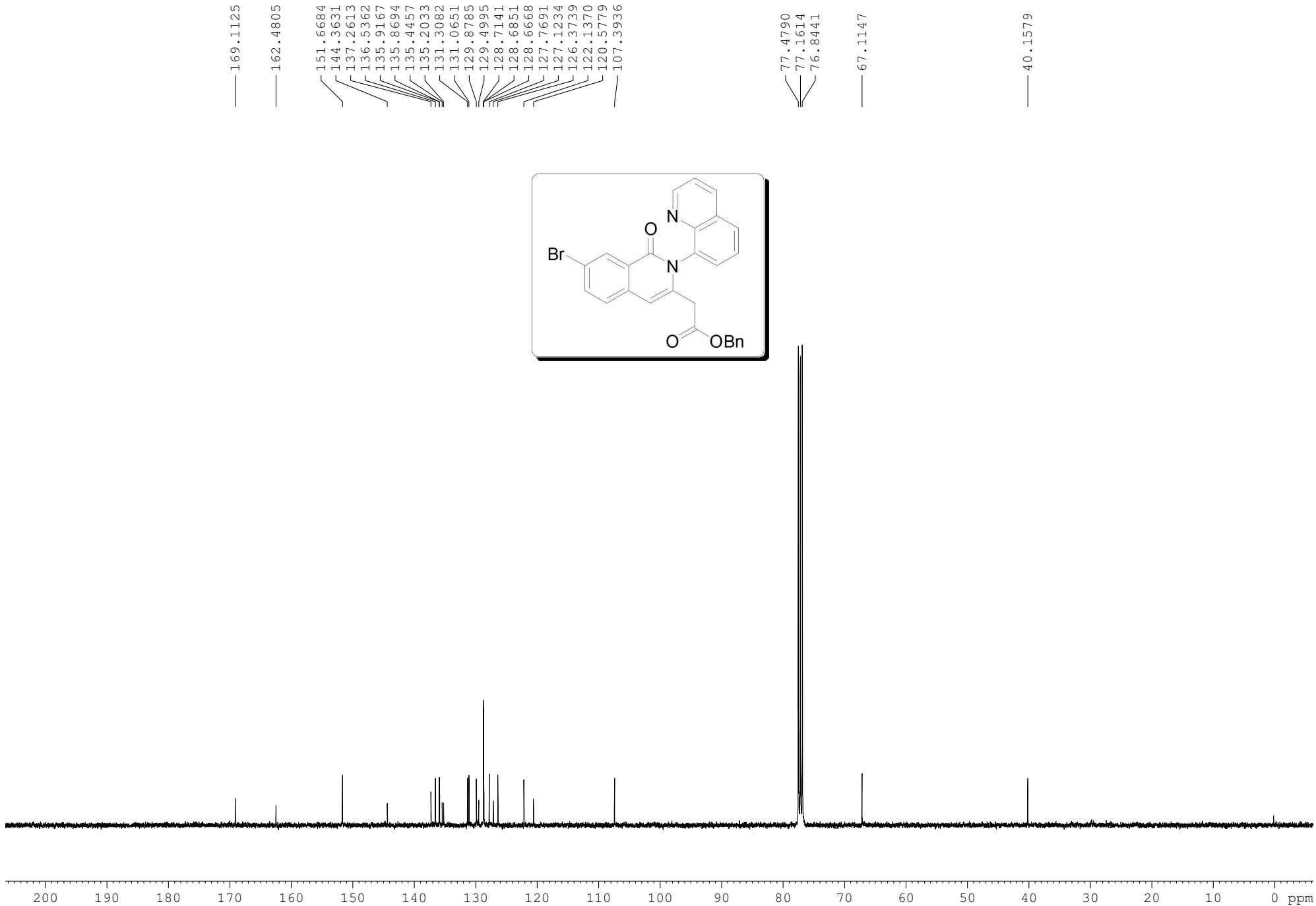


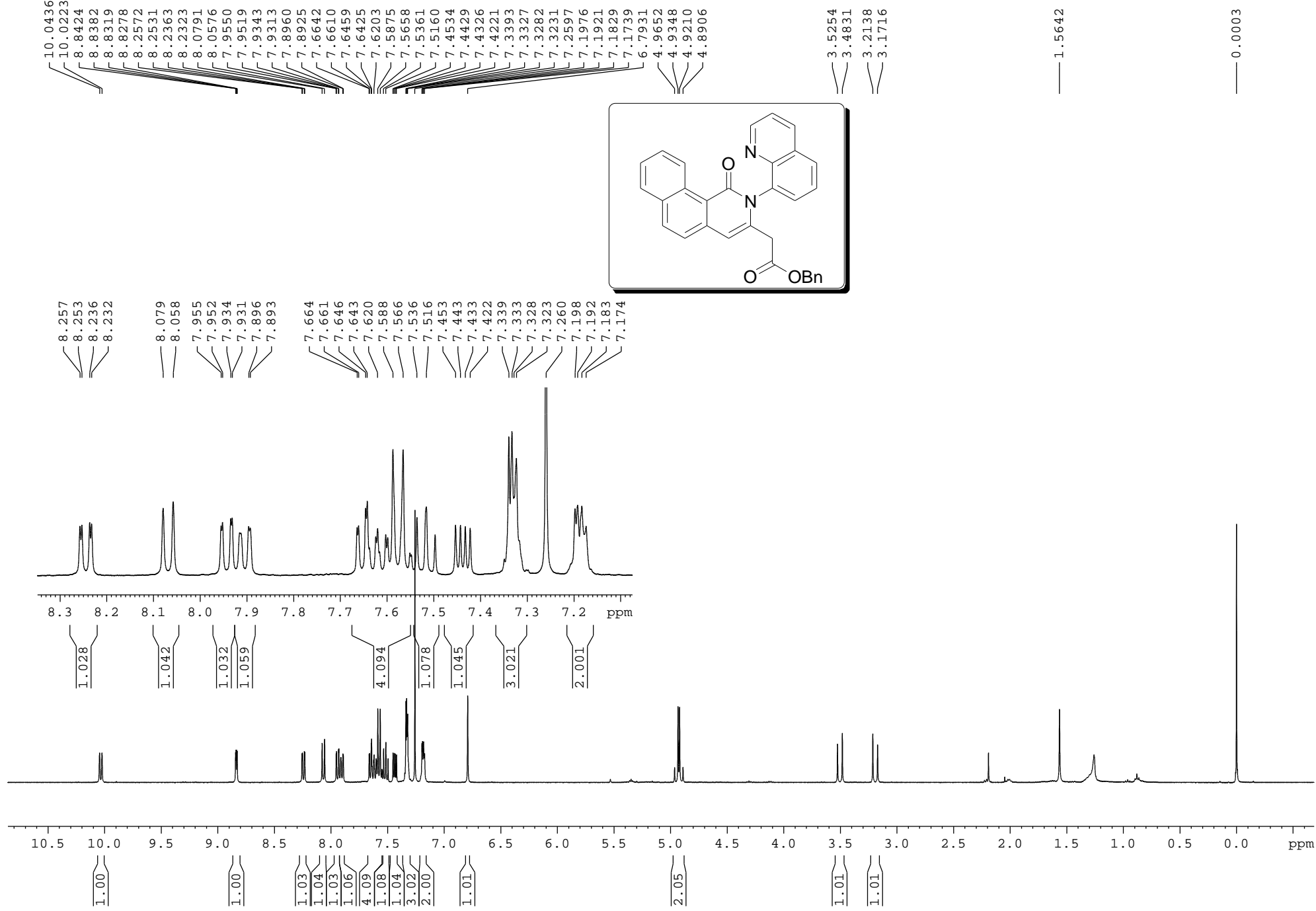
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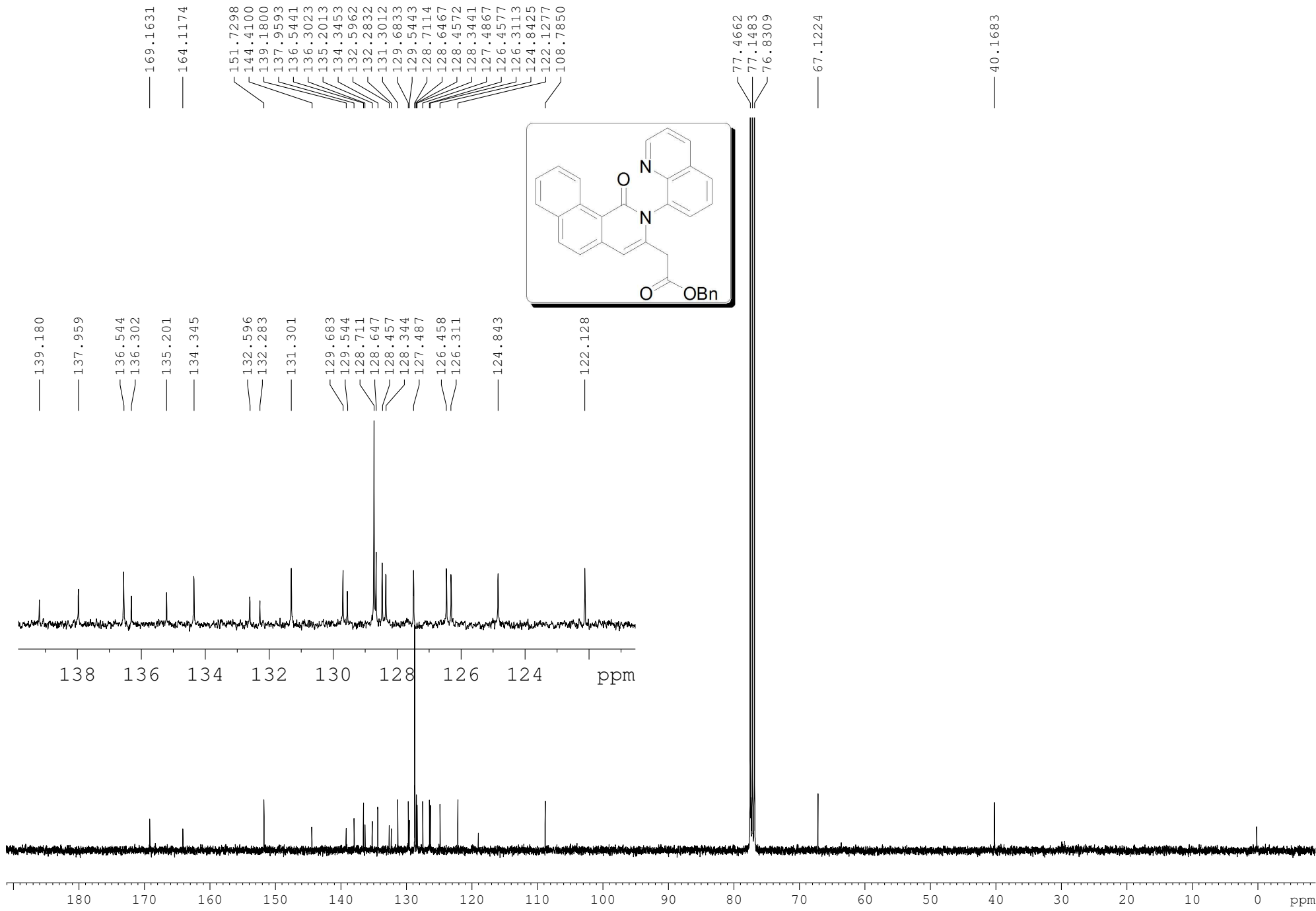
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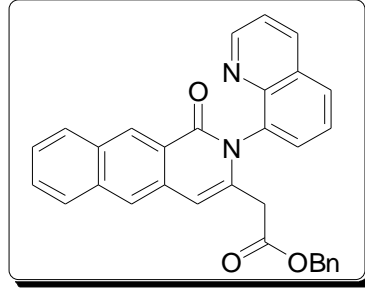




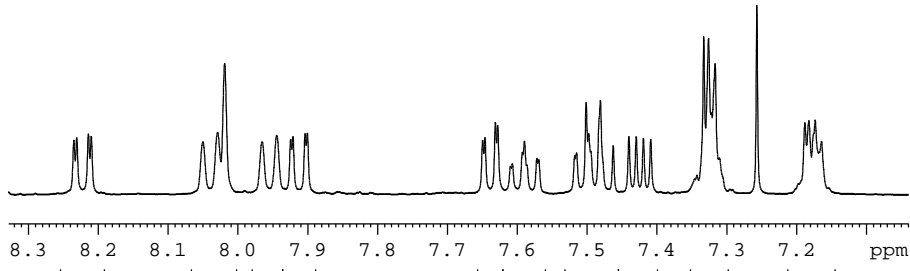
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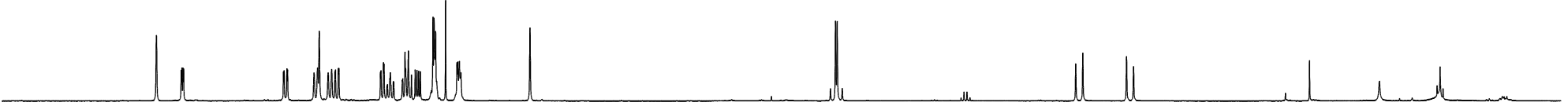
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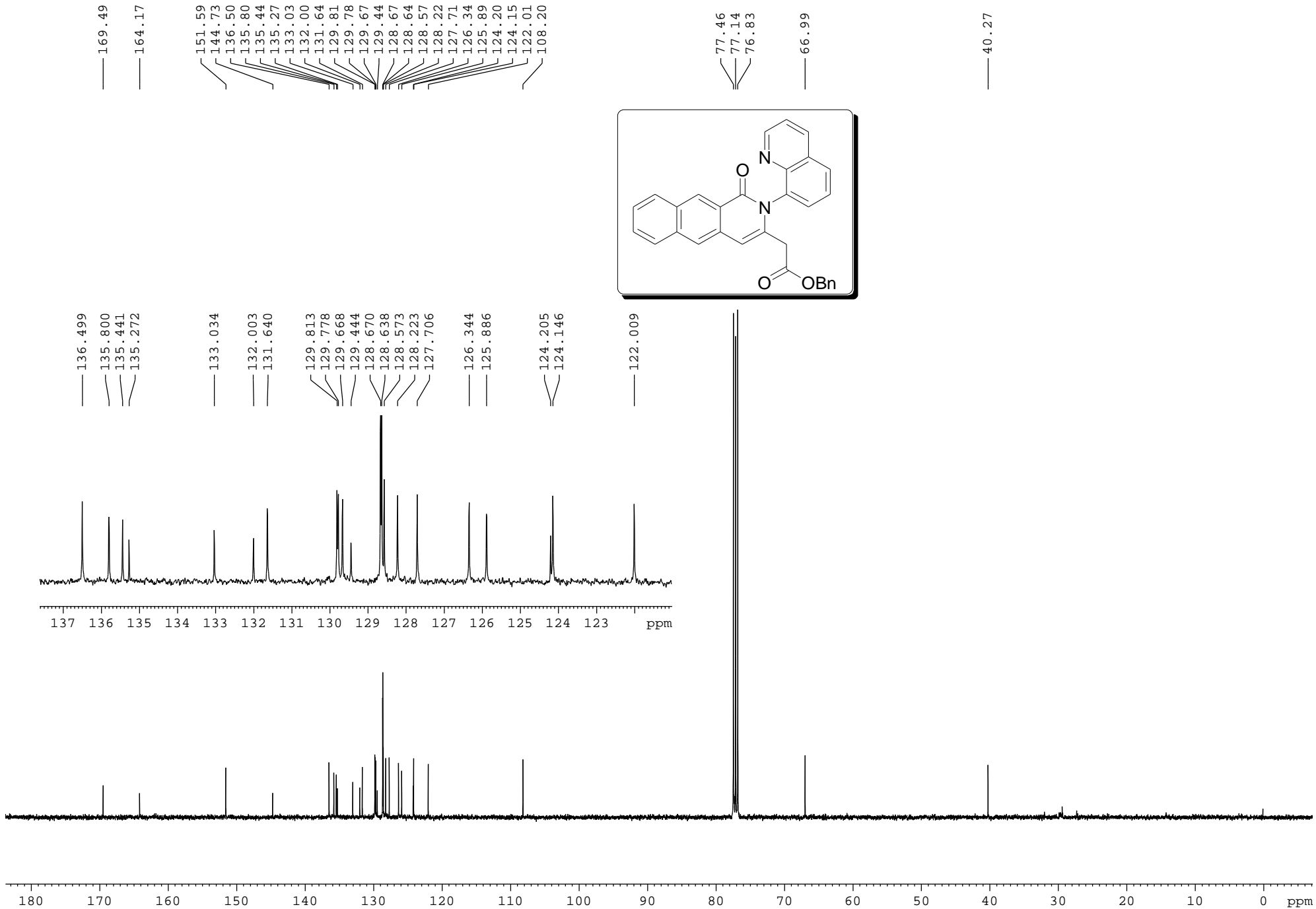


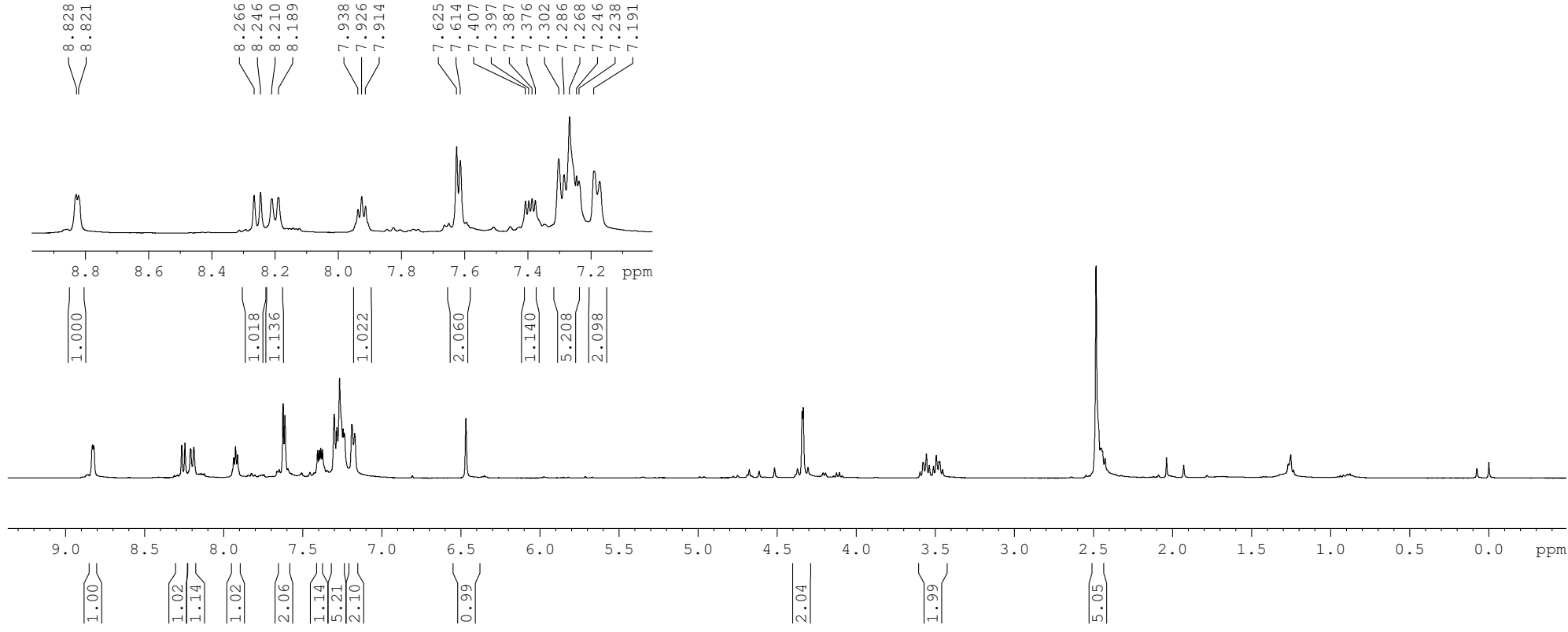
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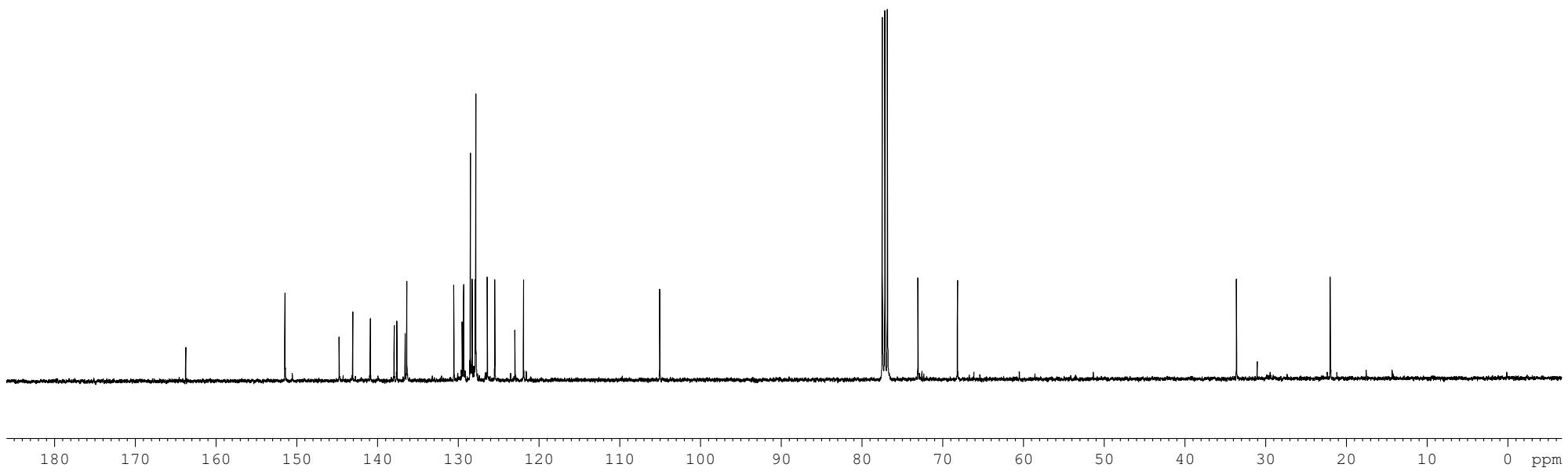


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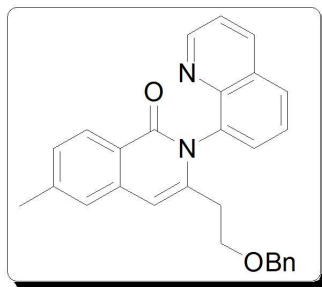
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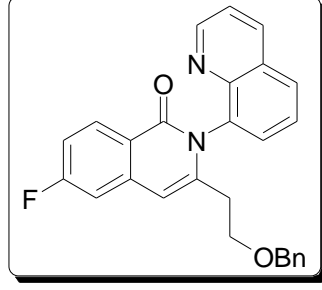
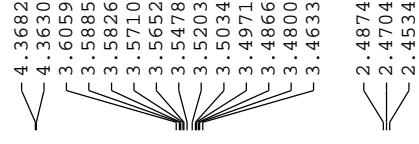
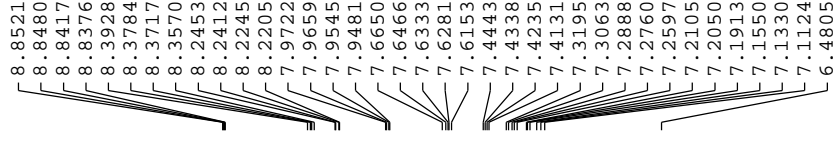
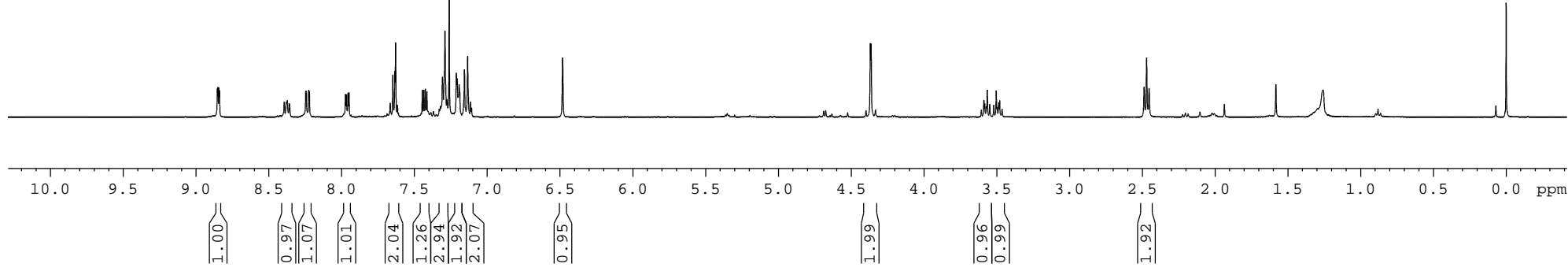
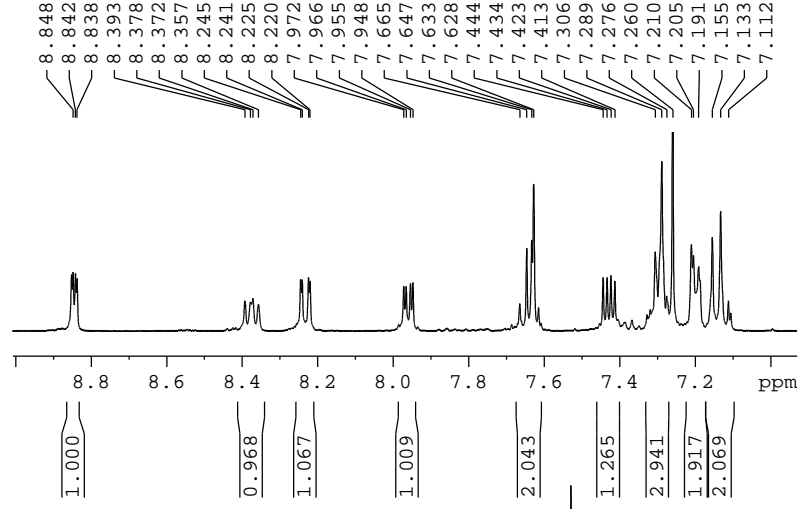
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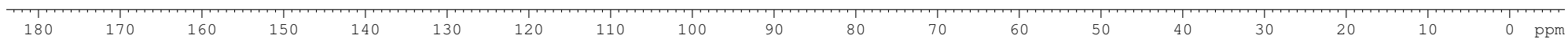
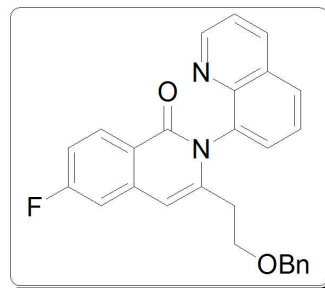
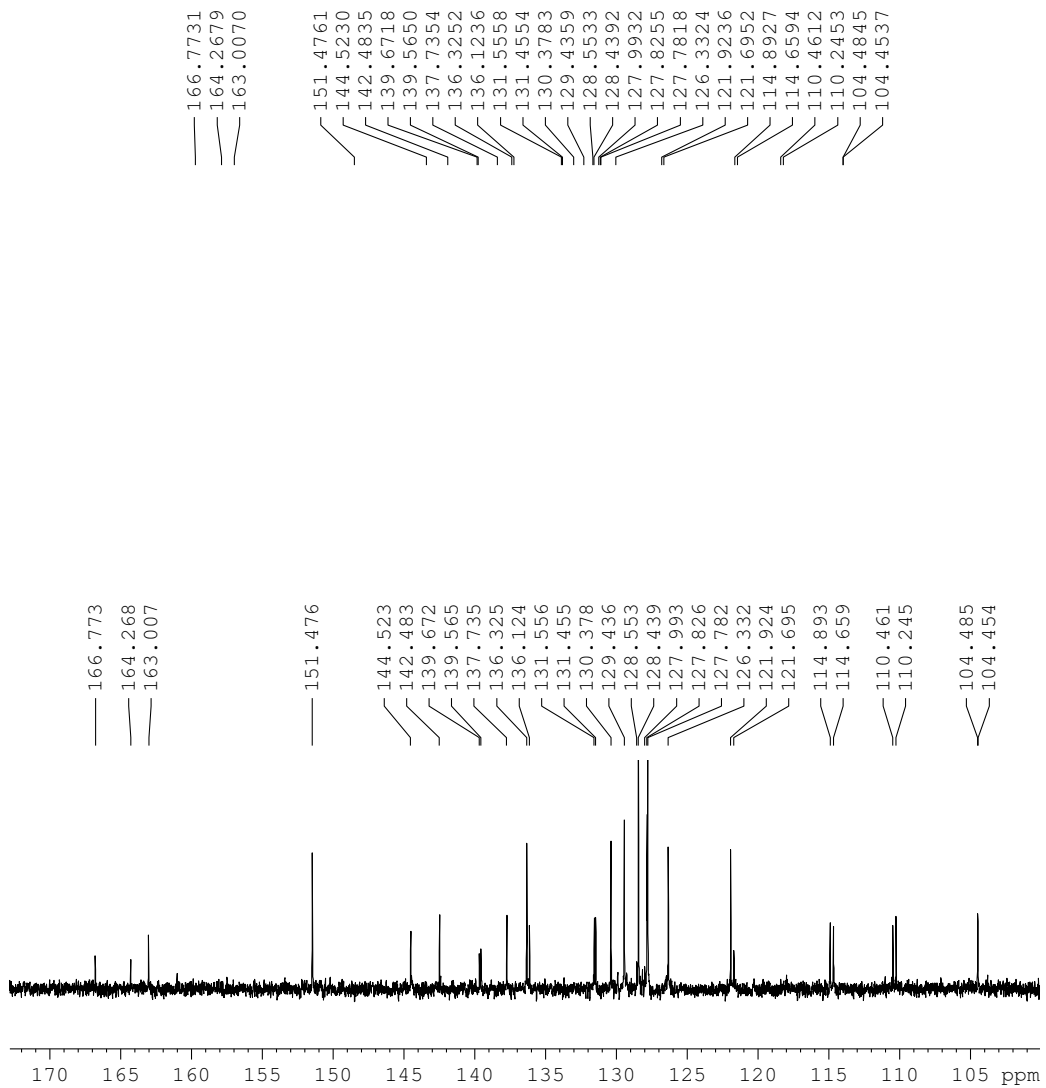
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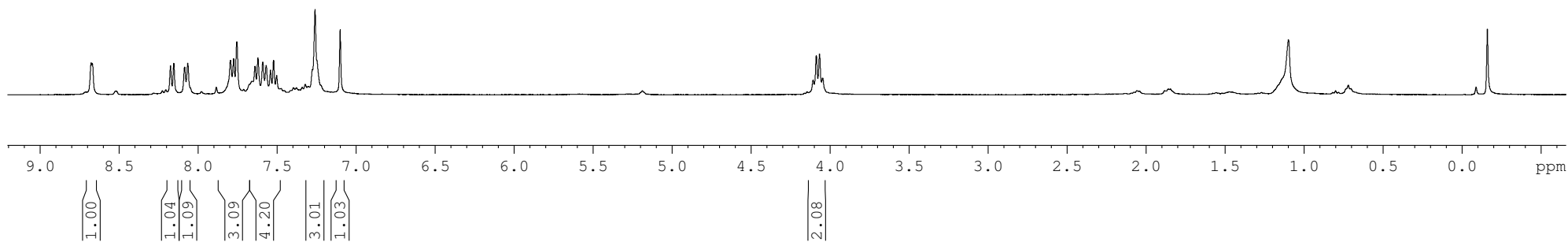
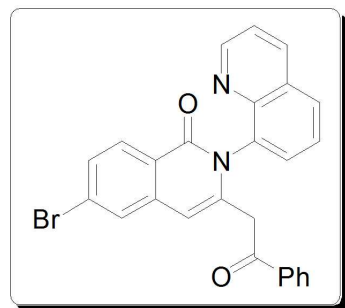


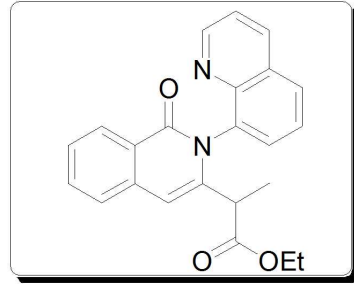
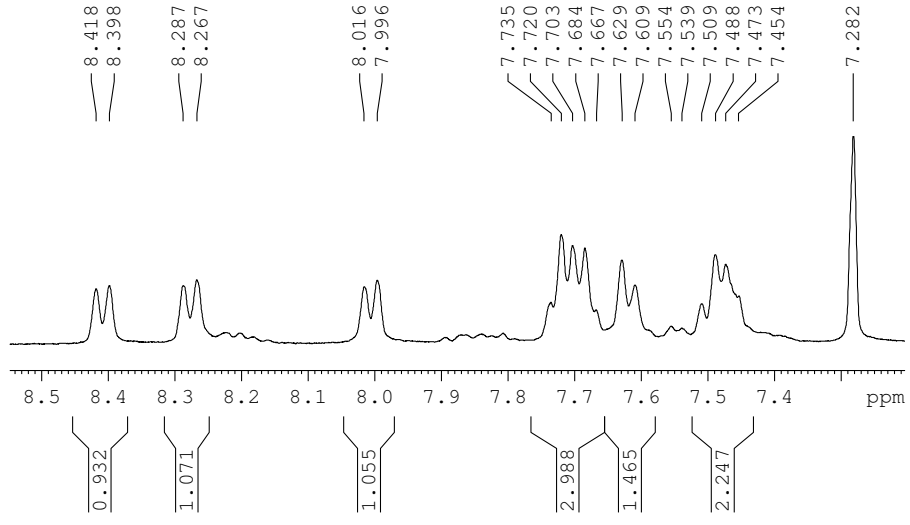
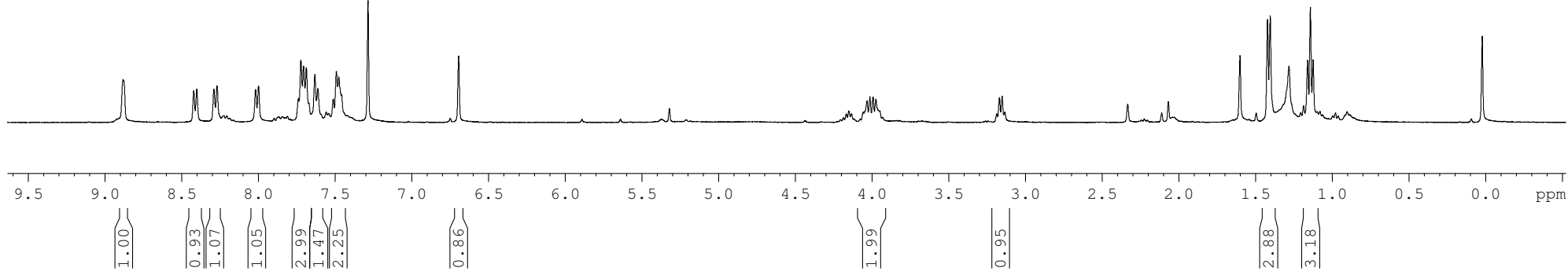




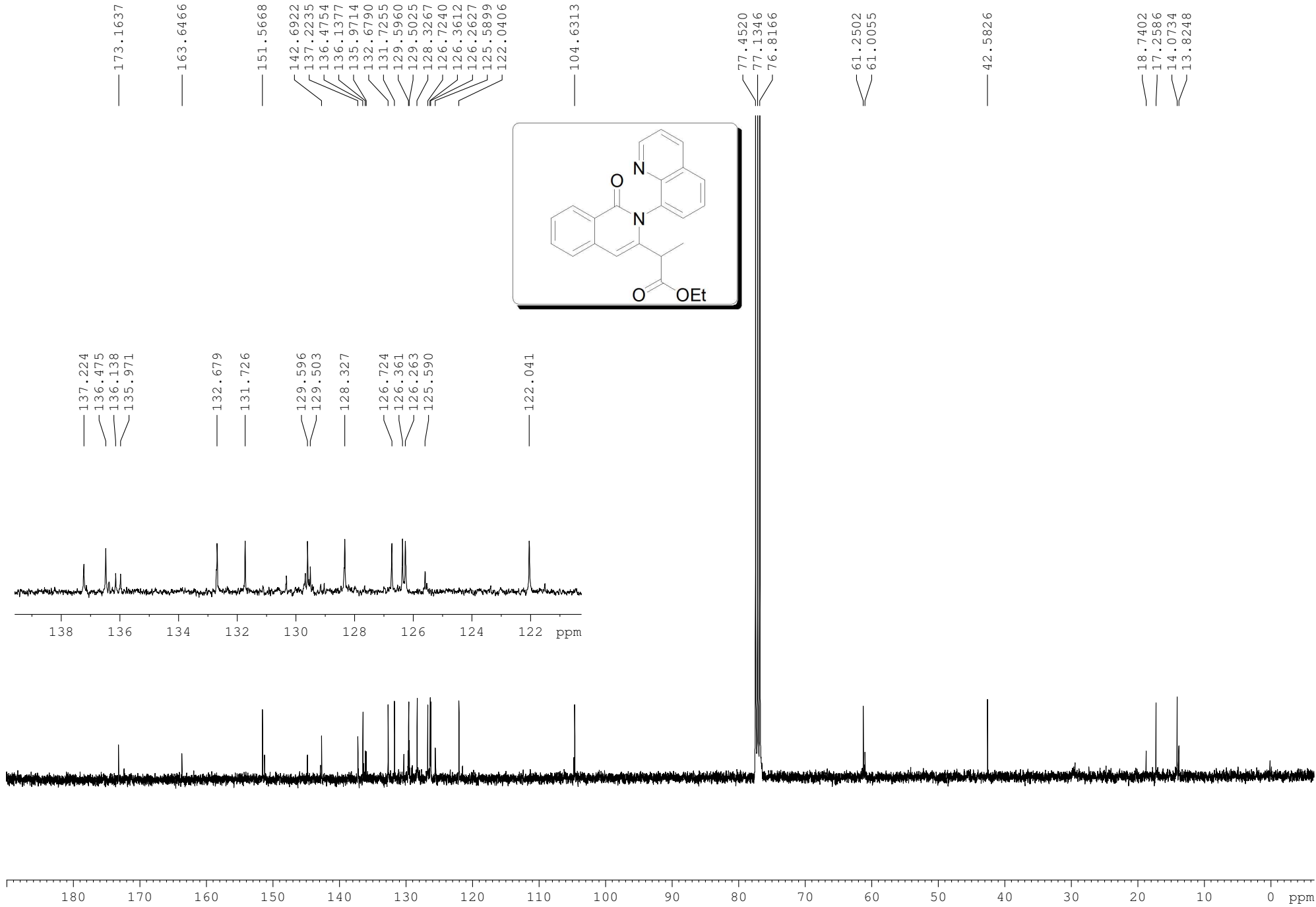
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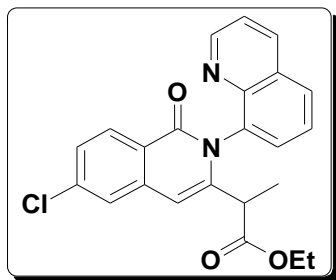
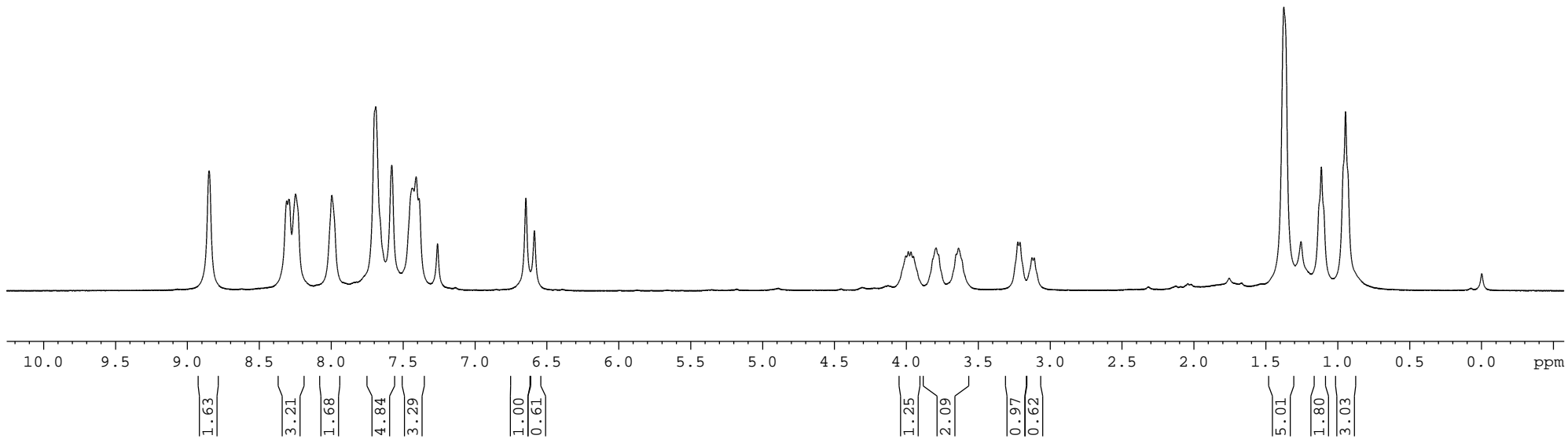
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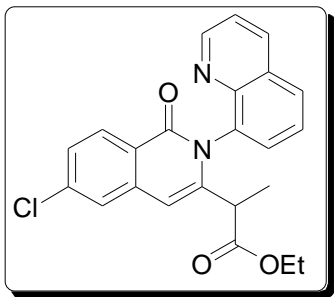
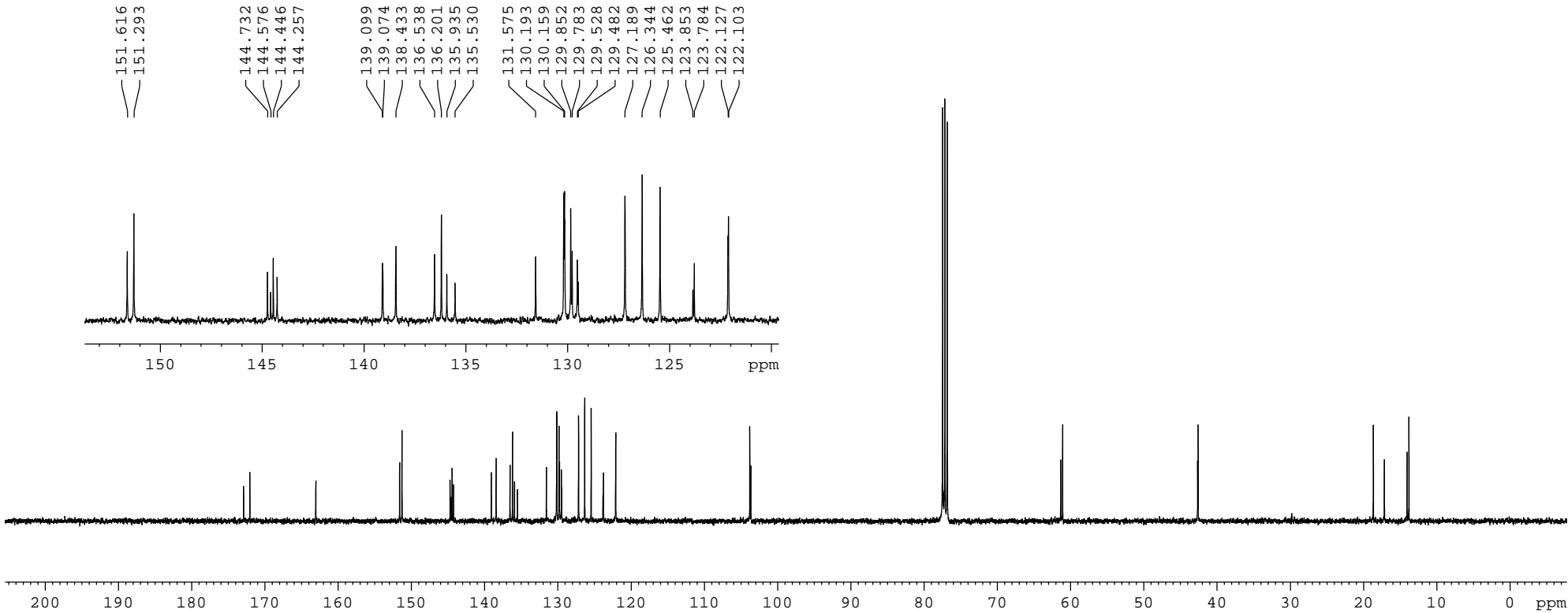
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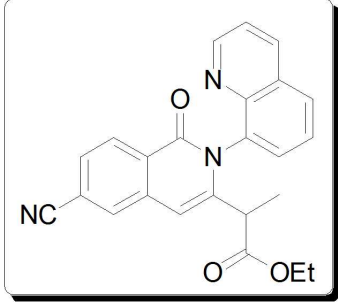
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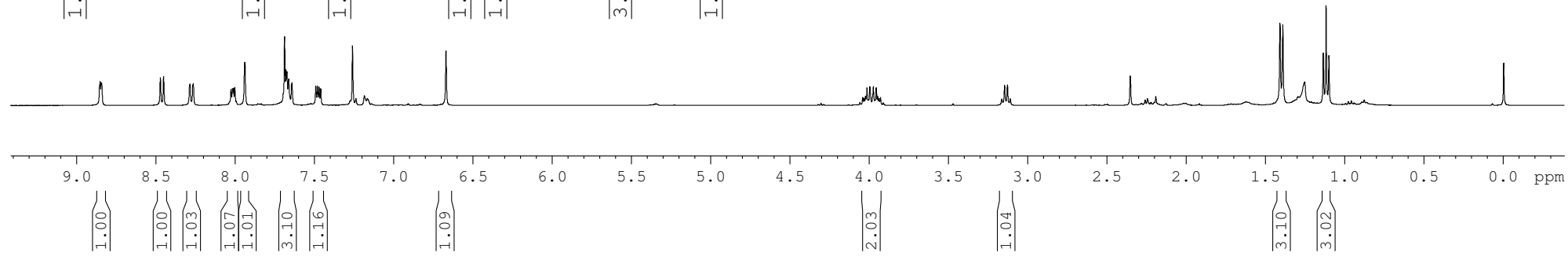
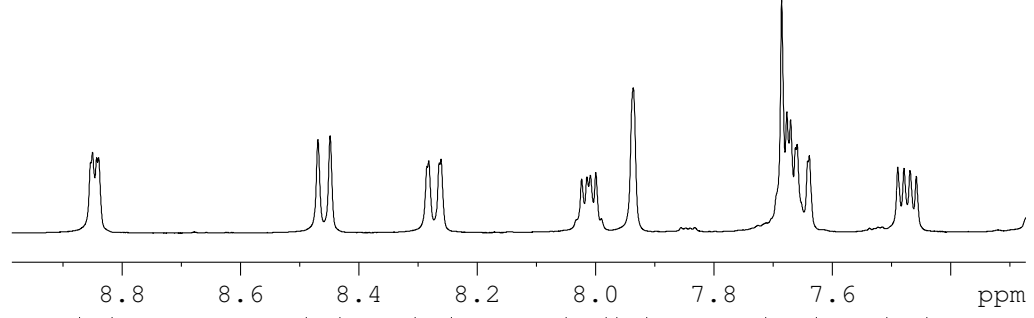
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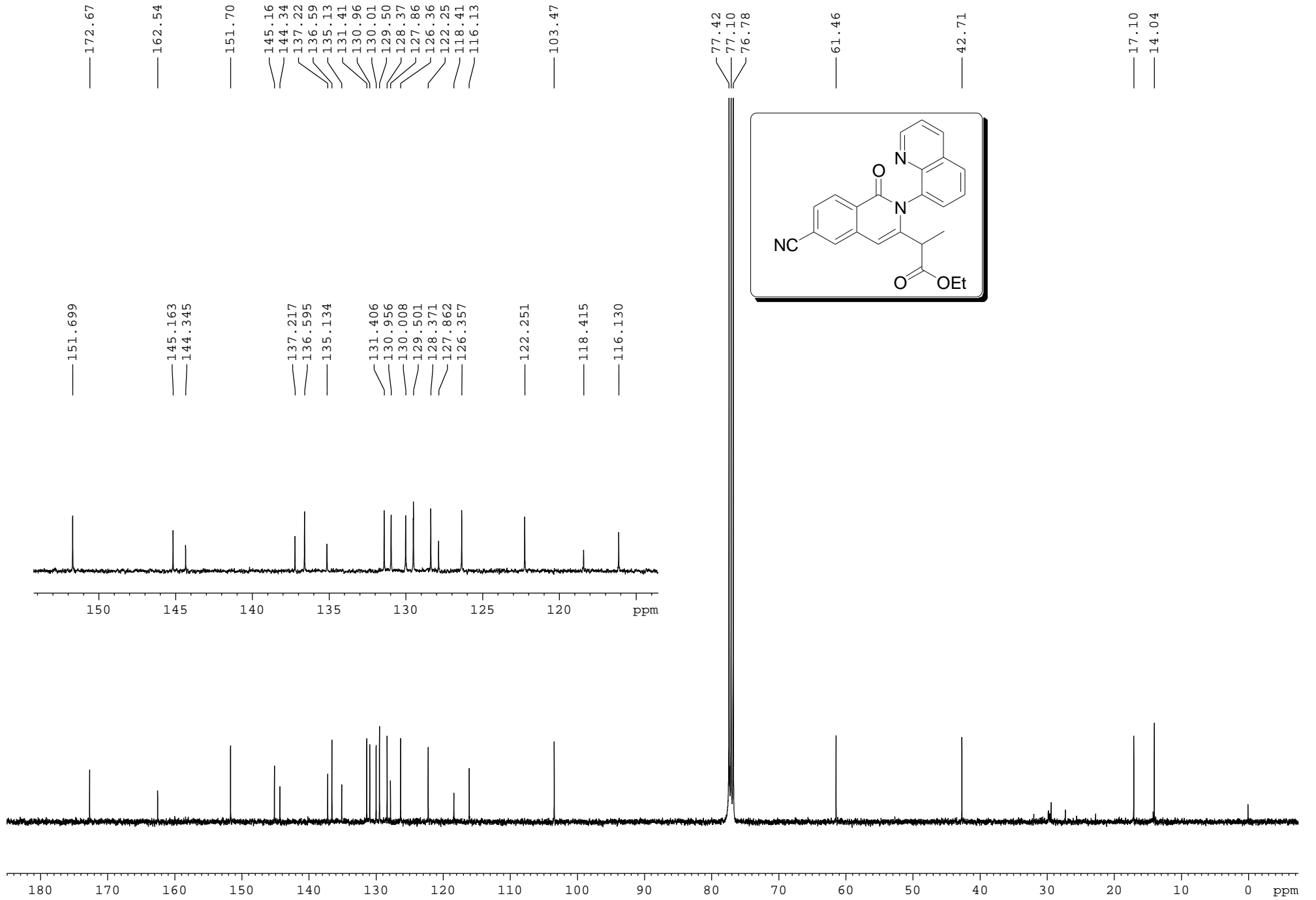
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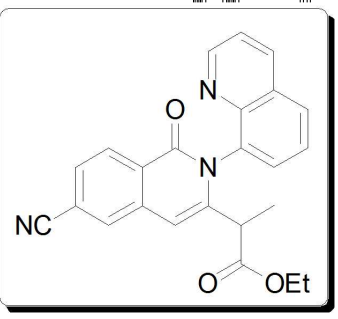
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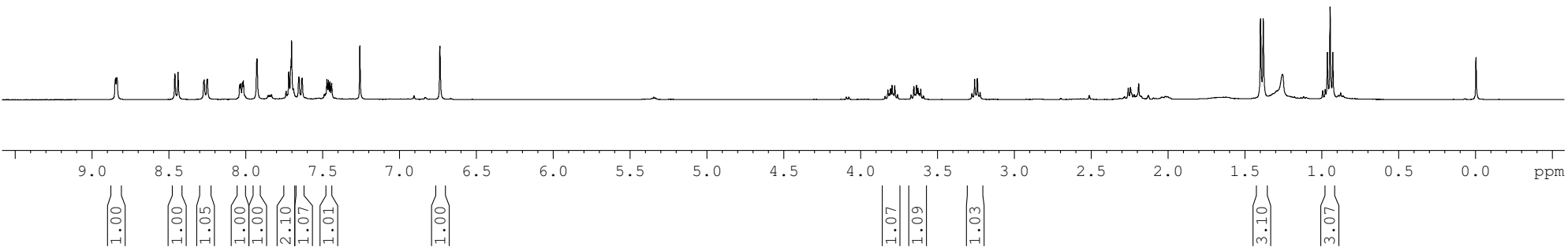
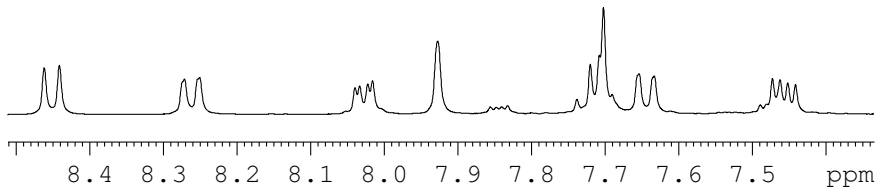
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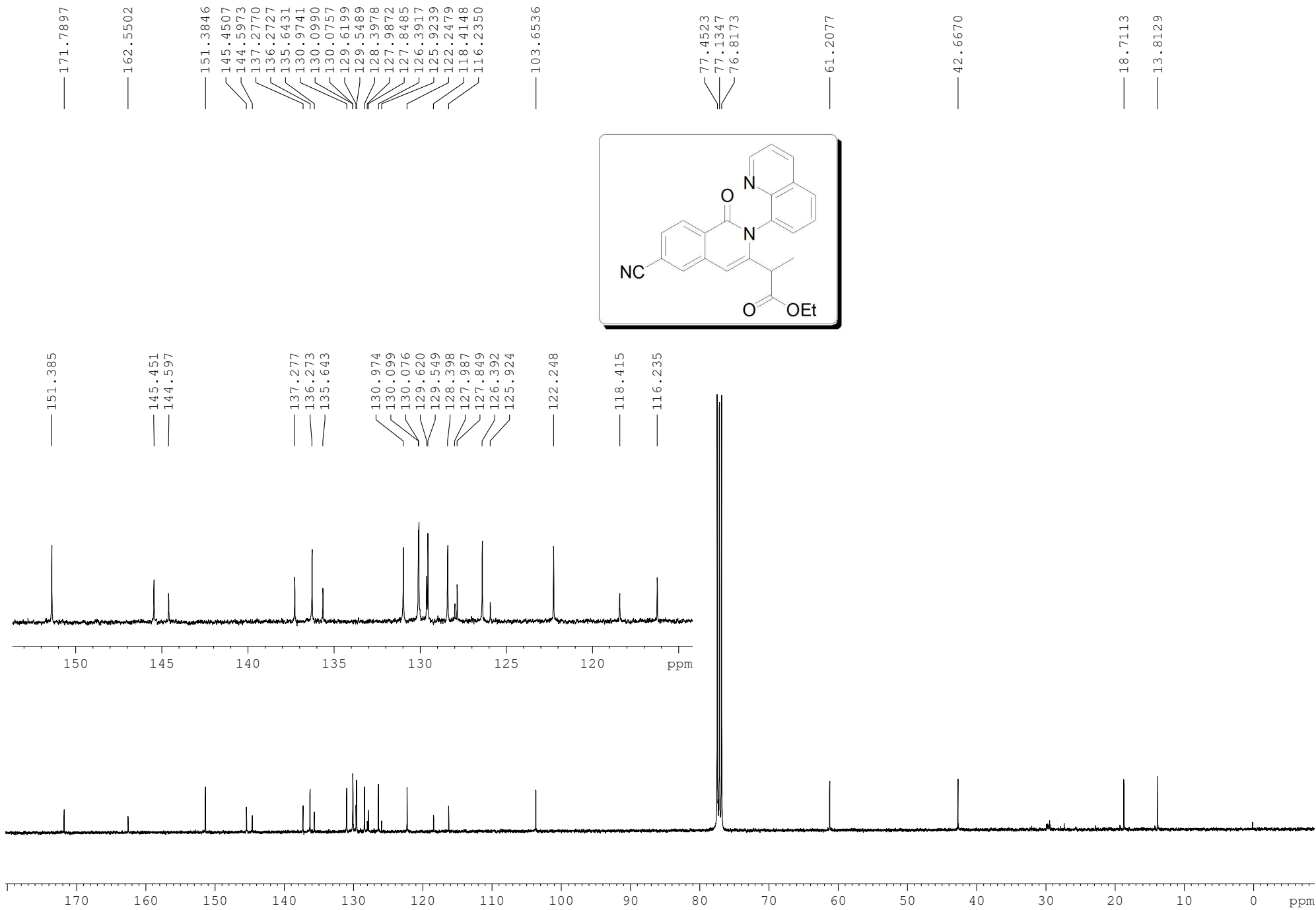


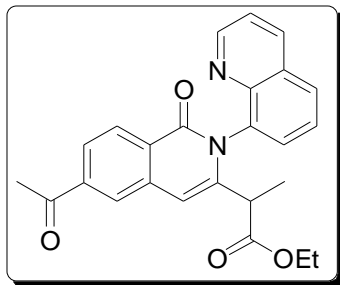
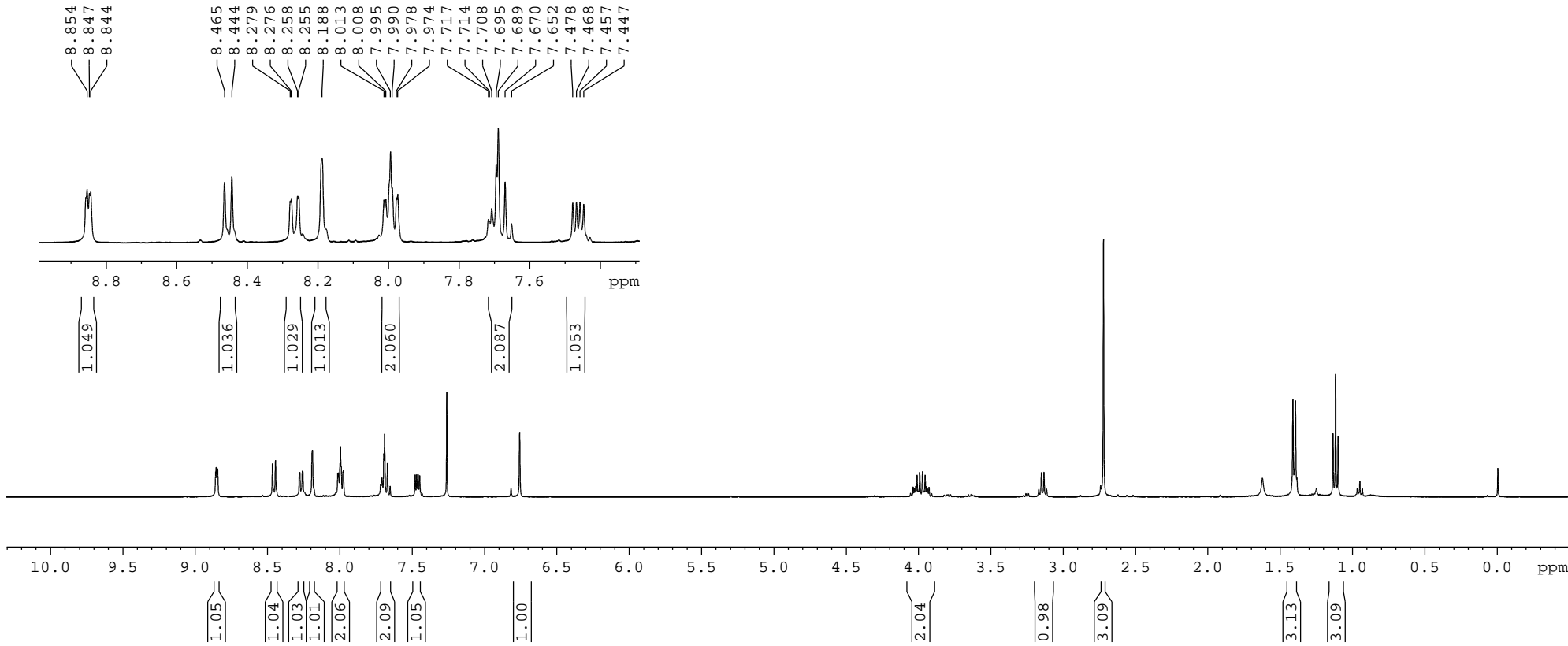
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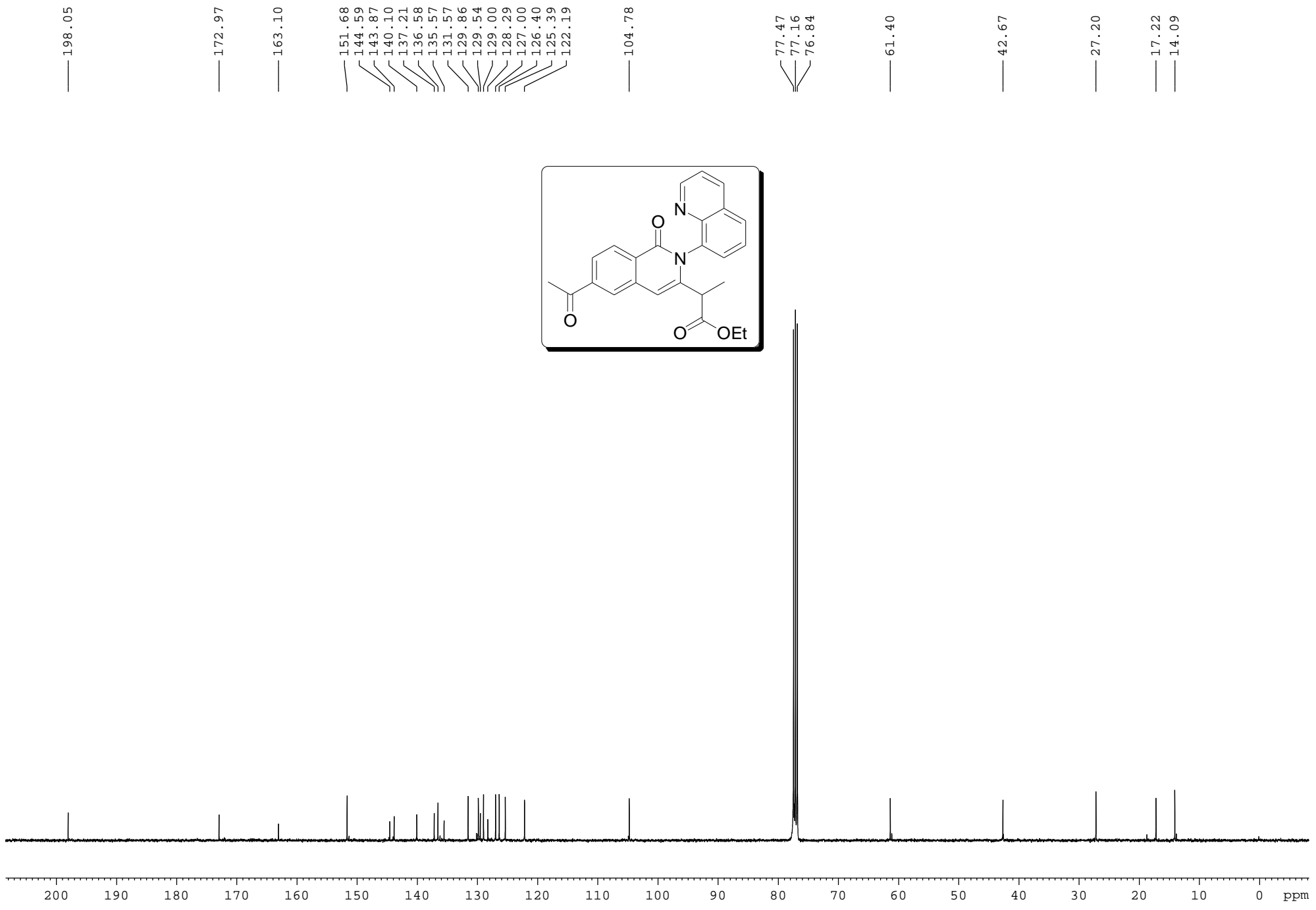
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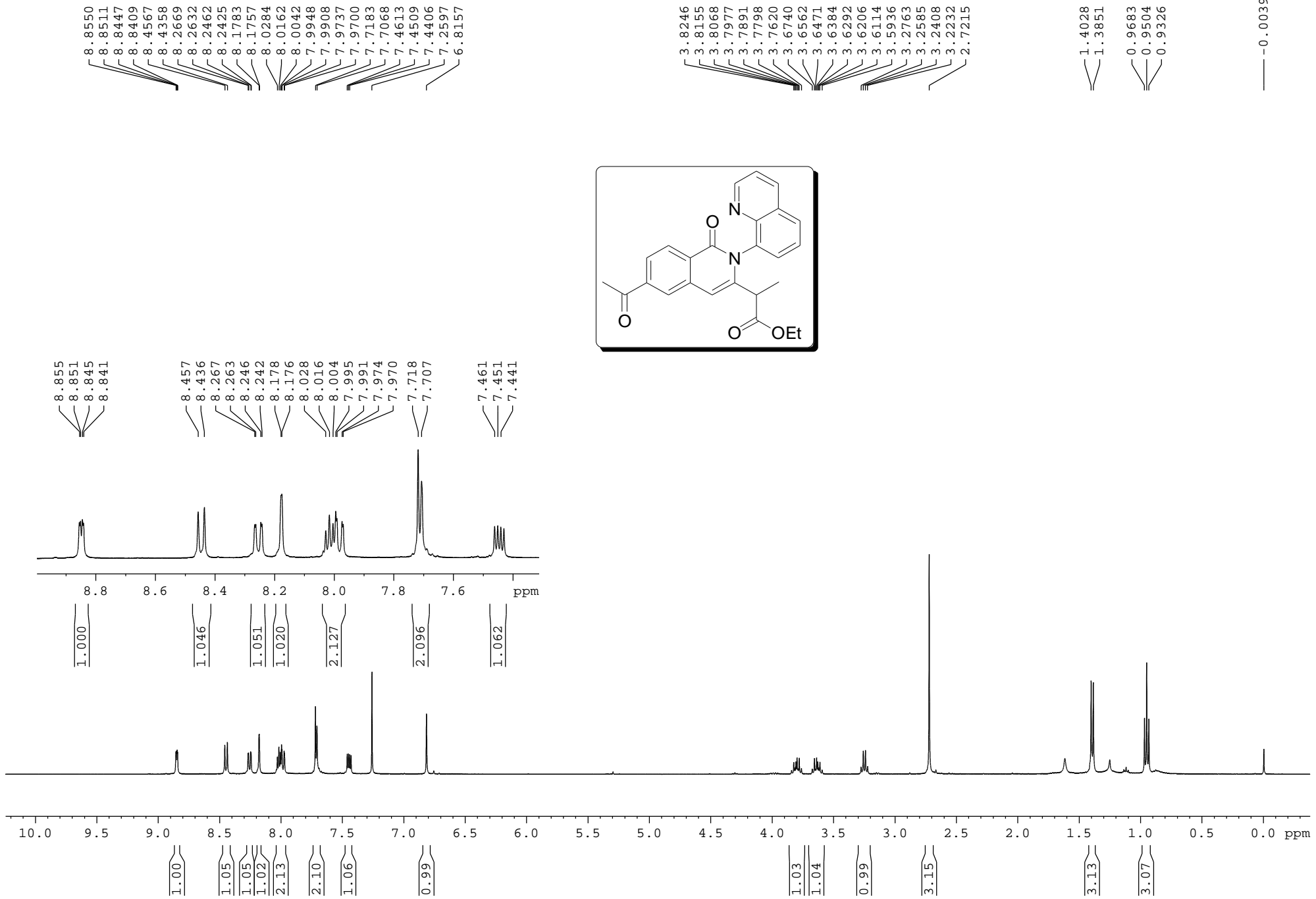
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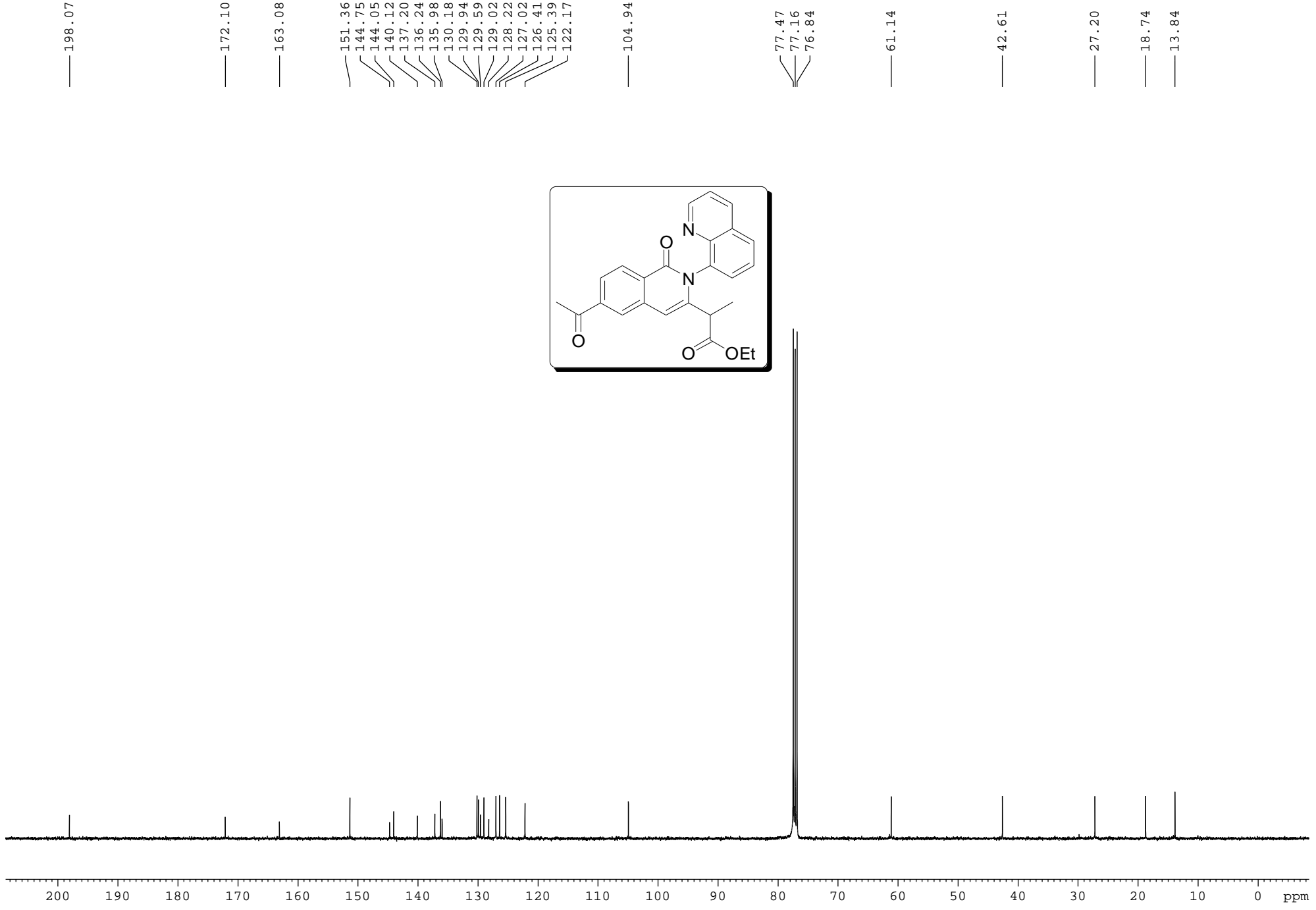
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— 77.16

— 76.84

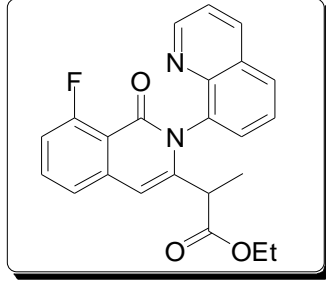
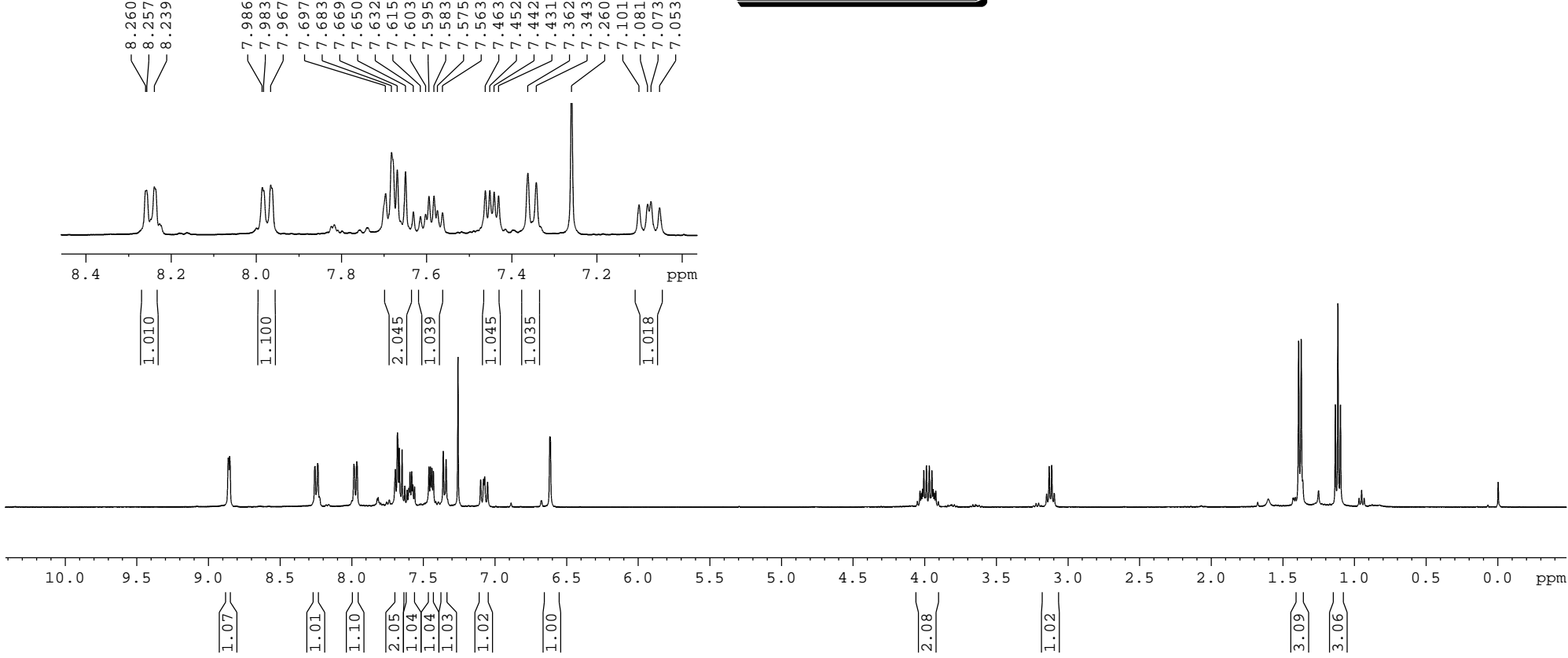
— 61.14

— 42.61

— 27.20

— 18.74

— 13.84

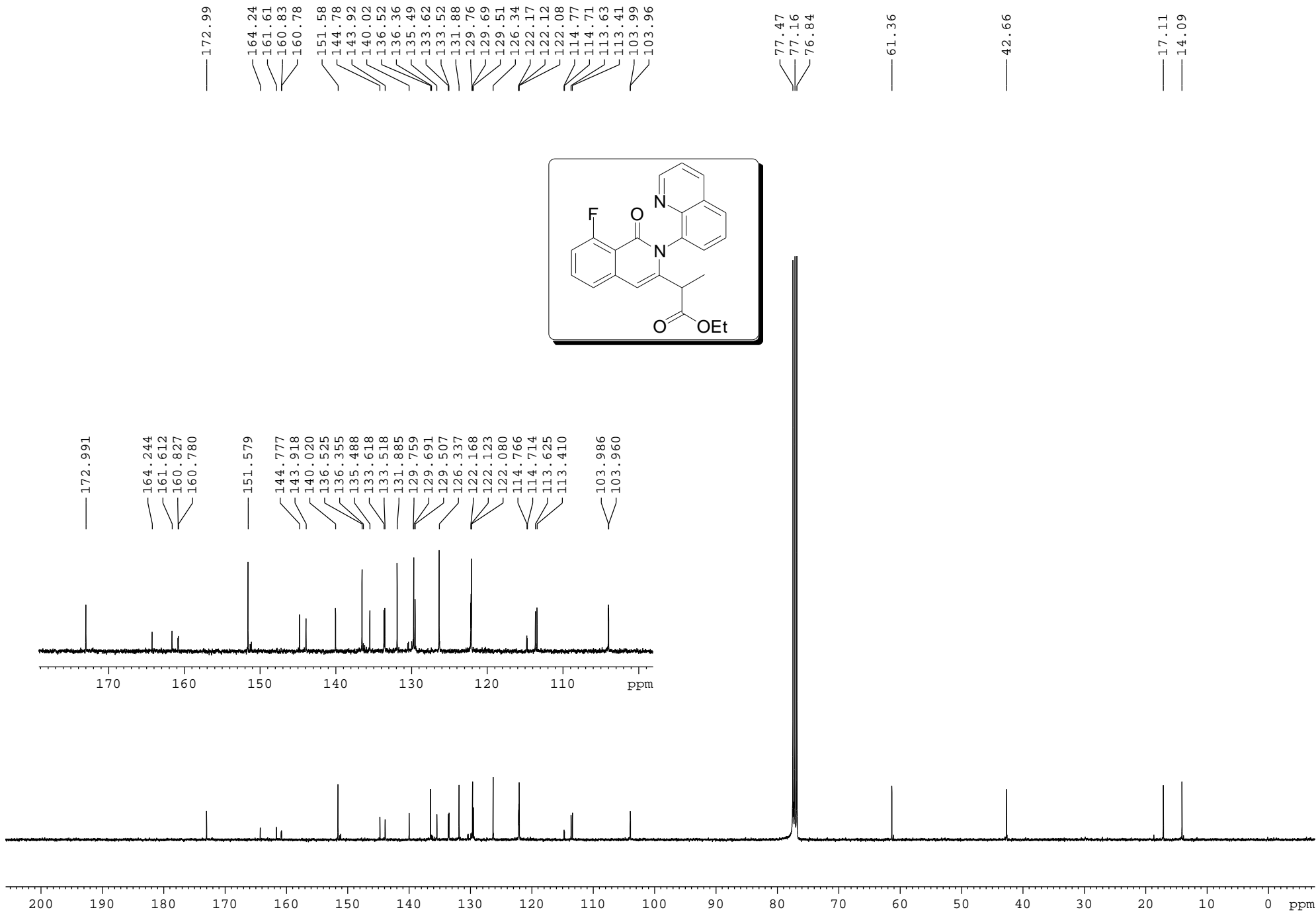


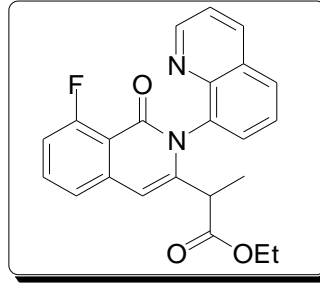
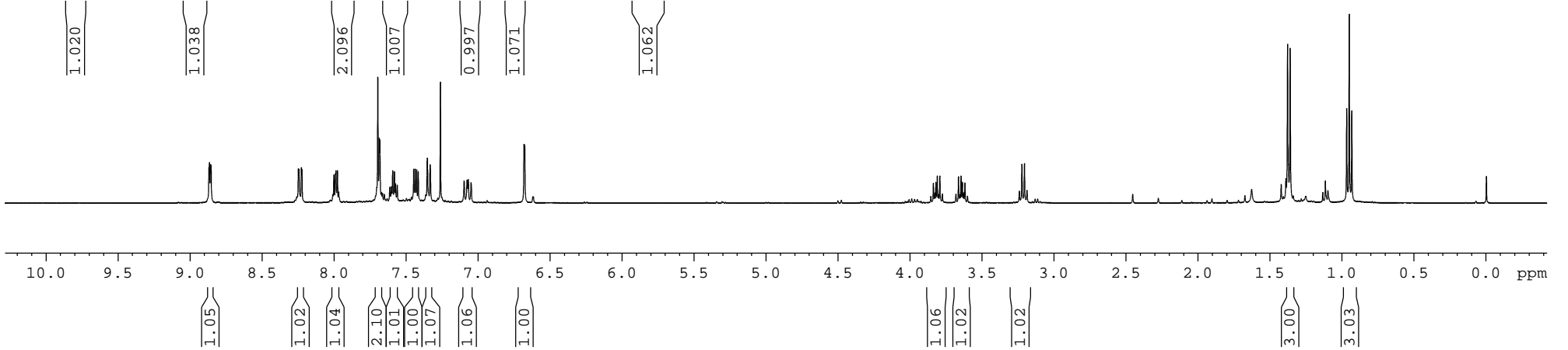
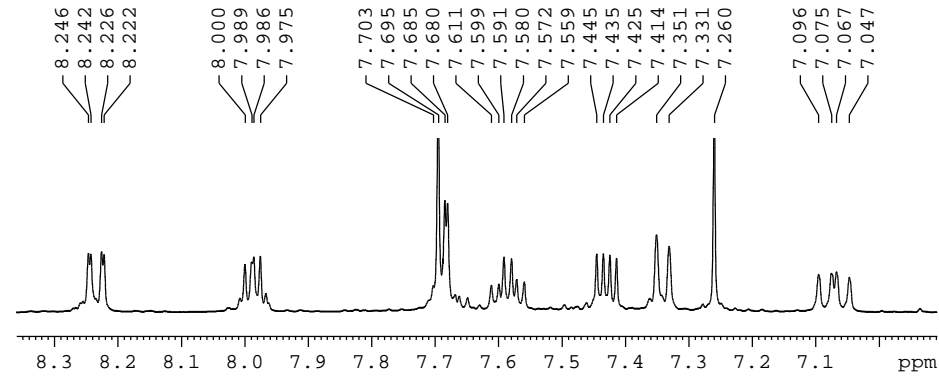
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— 0.0023

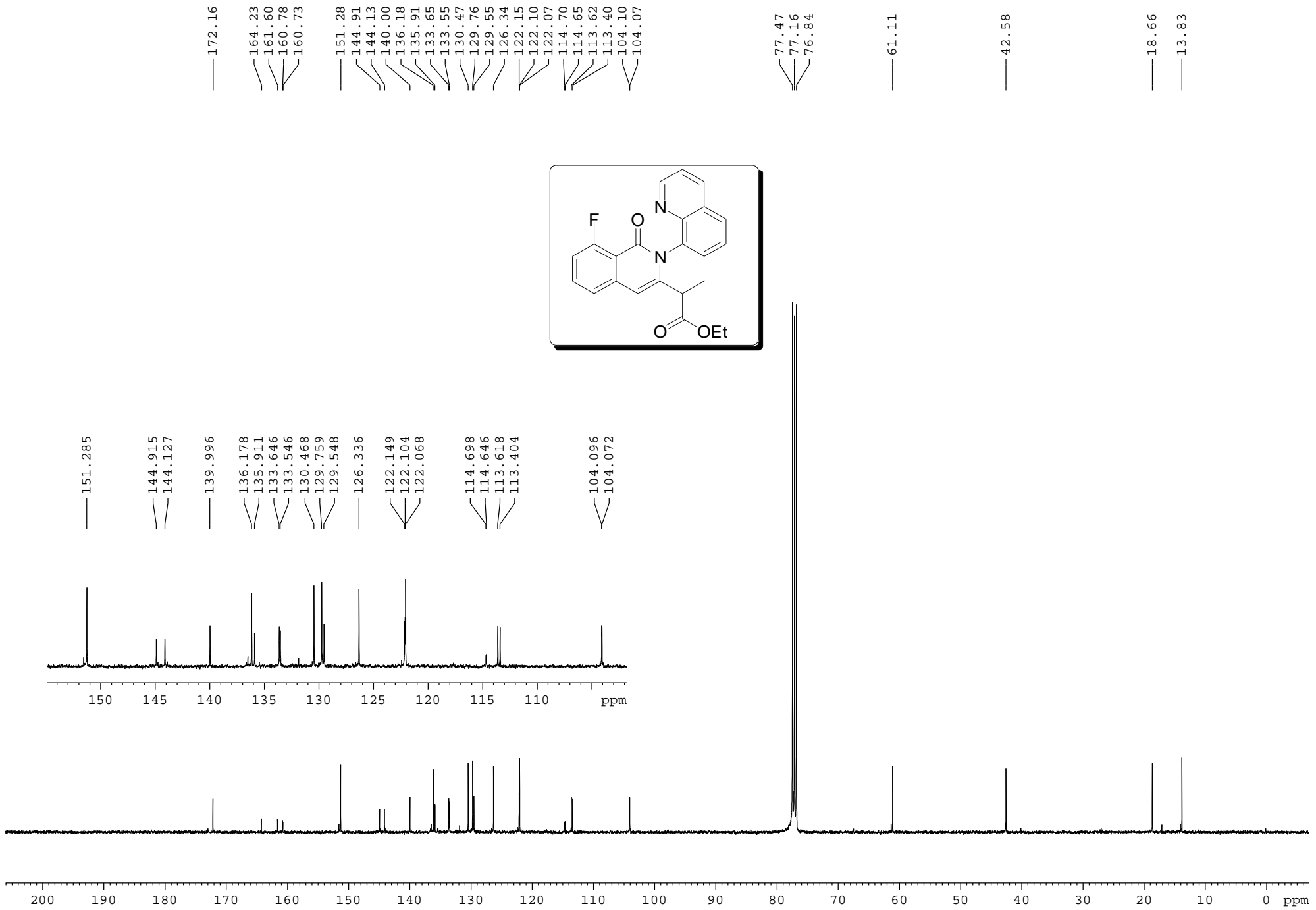


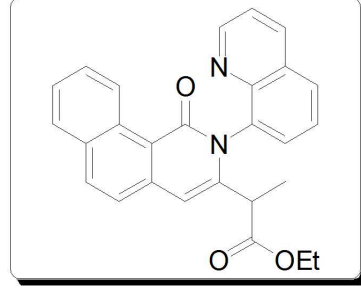
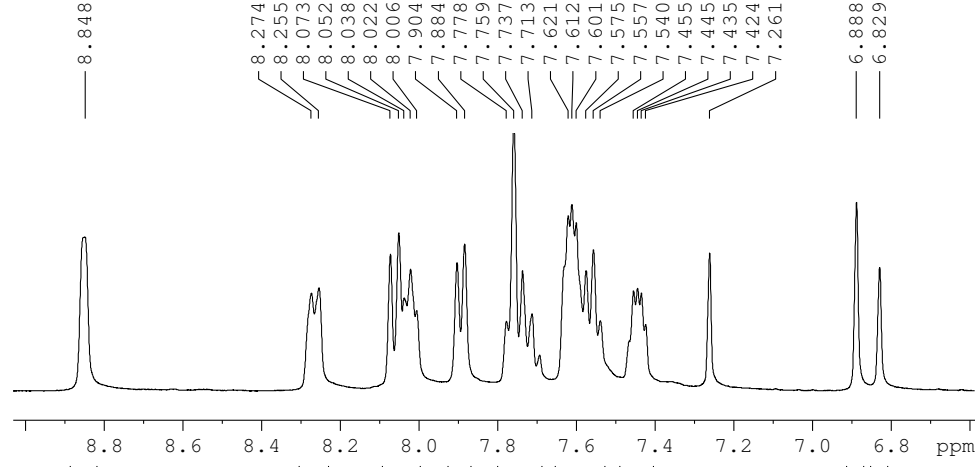
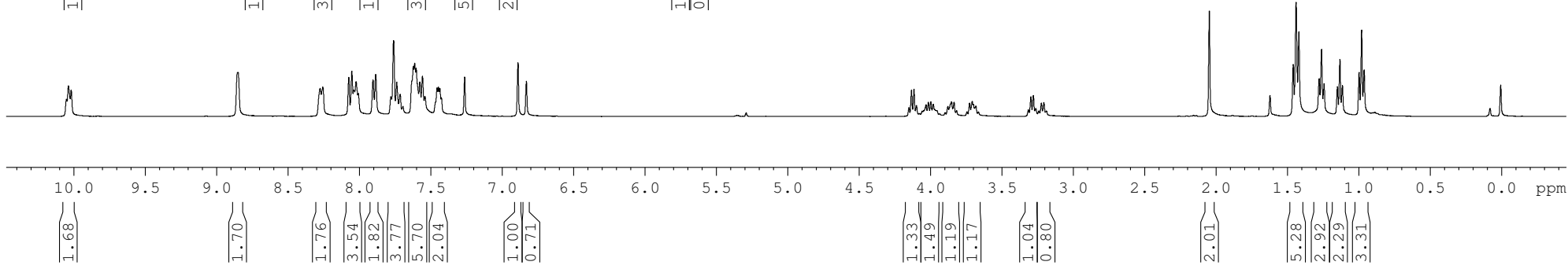


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6.6746

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0.9323



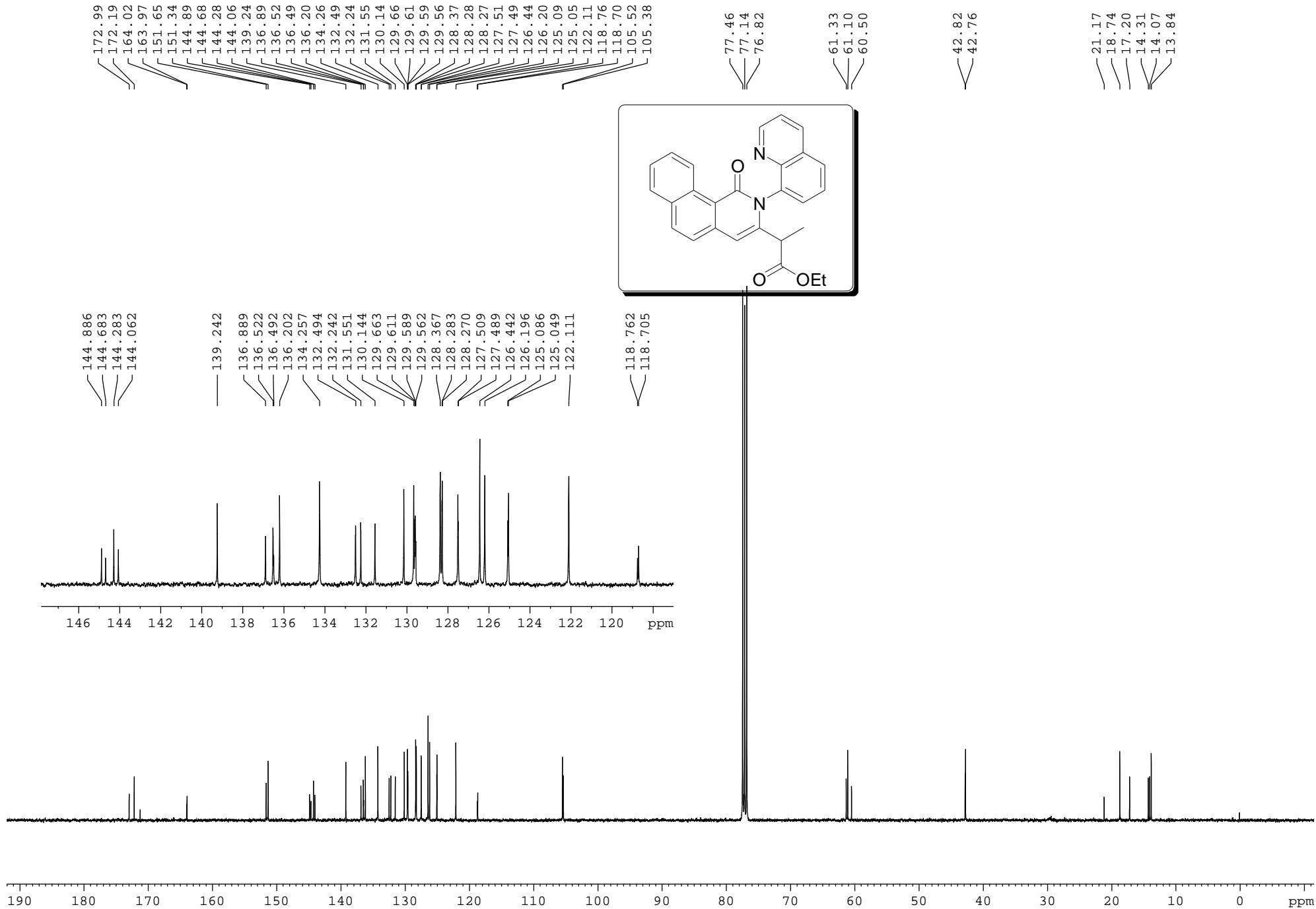


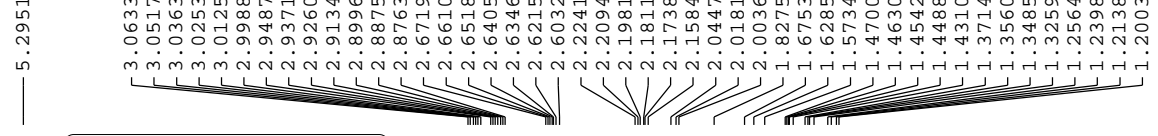
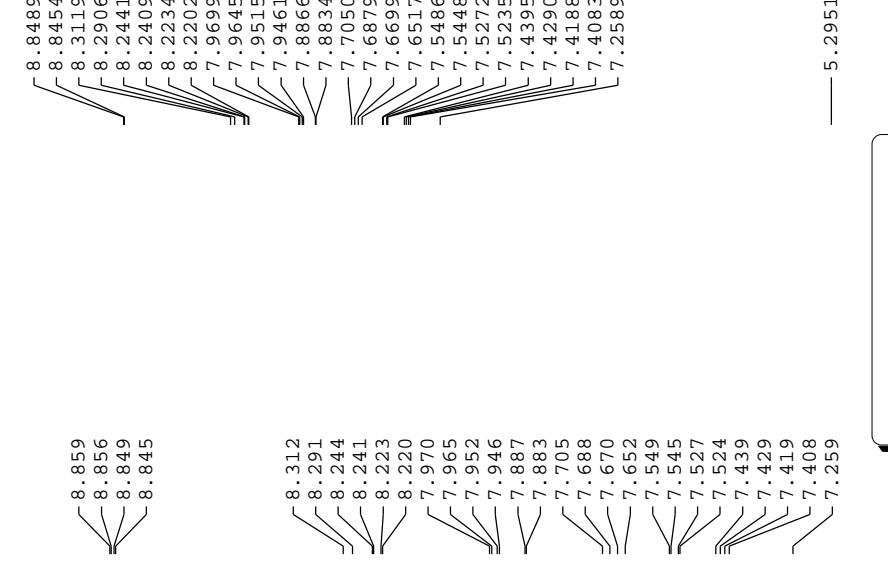
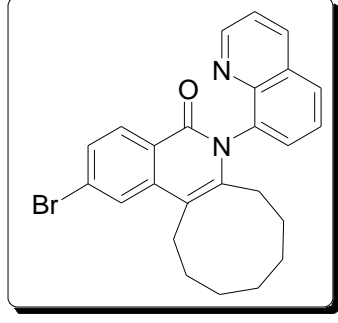
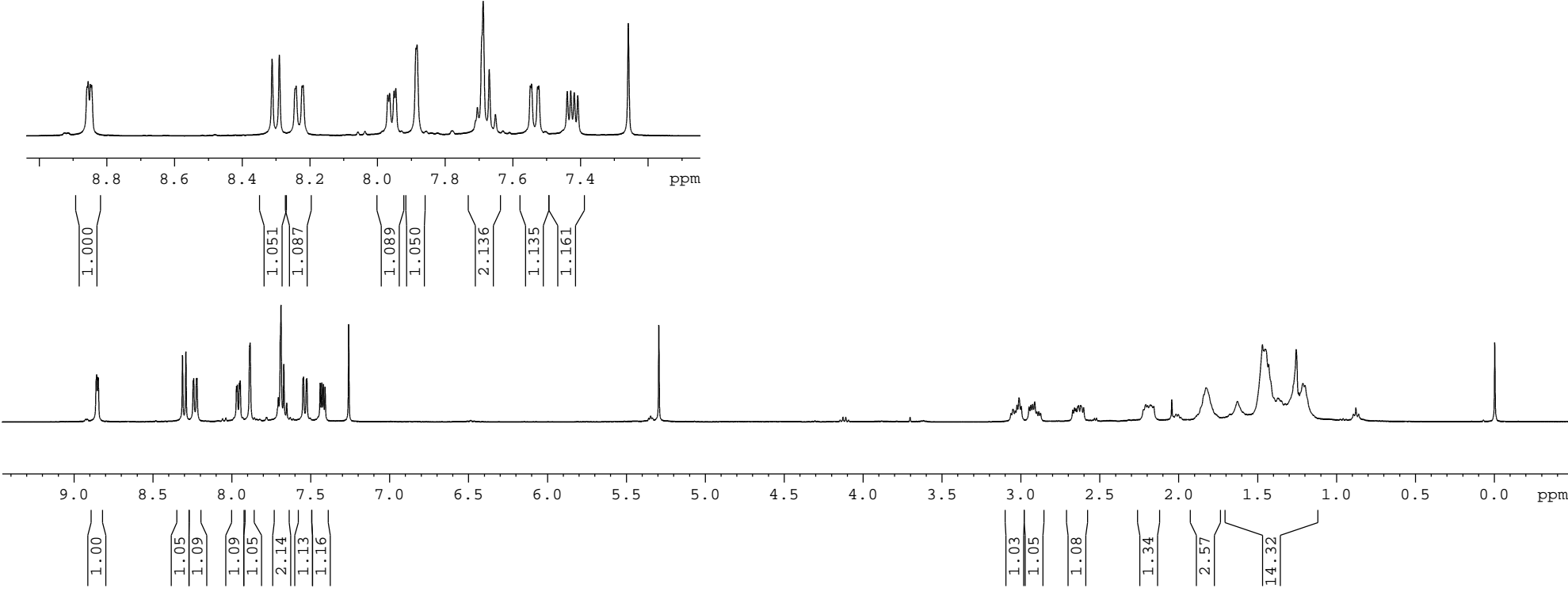
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- 10.0367
- 10.0171
- 8.8482
- 8.2737
- 8.2547
- 8.0731
- 8.0516
- 8.0381
- 8.0217
- 8.0063
- 7.9037
- 7.8844
- 7.7781
- 7.7592
- 7.7371
- 7.7131
- 7.6212
- 7.6116
- 7.6006
- 7.5753
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- 7.5395
- 7.4547
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- 6.8879
- 6.8291

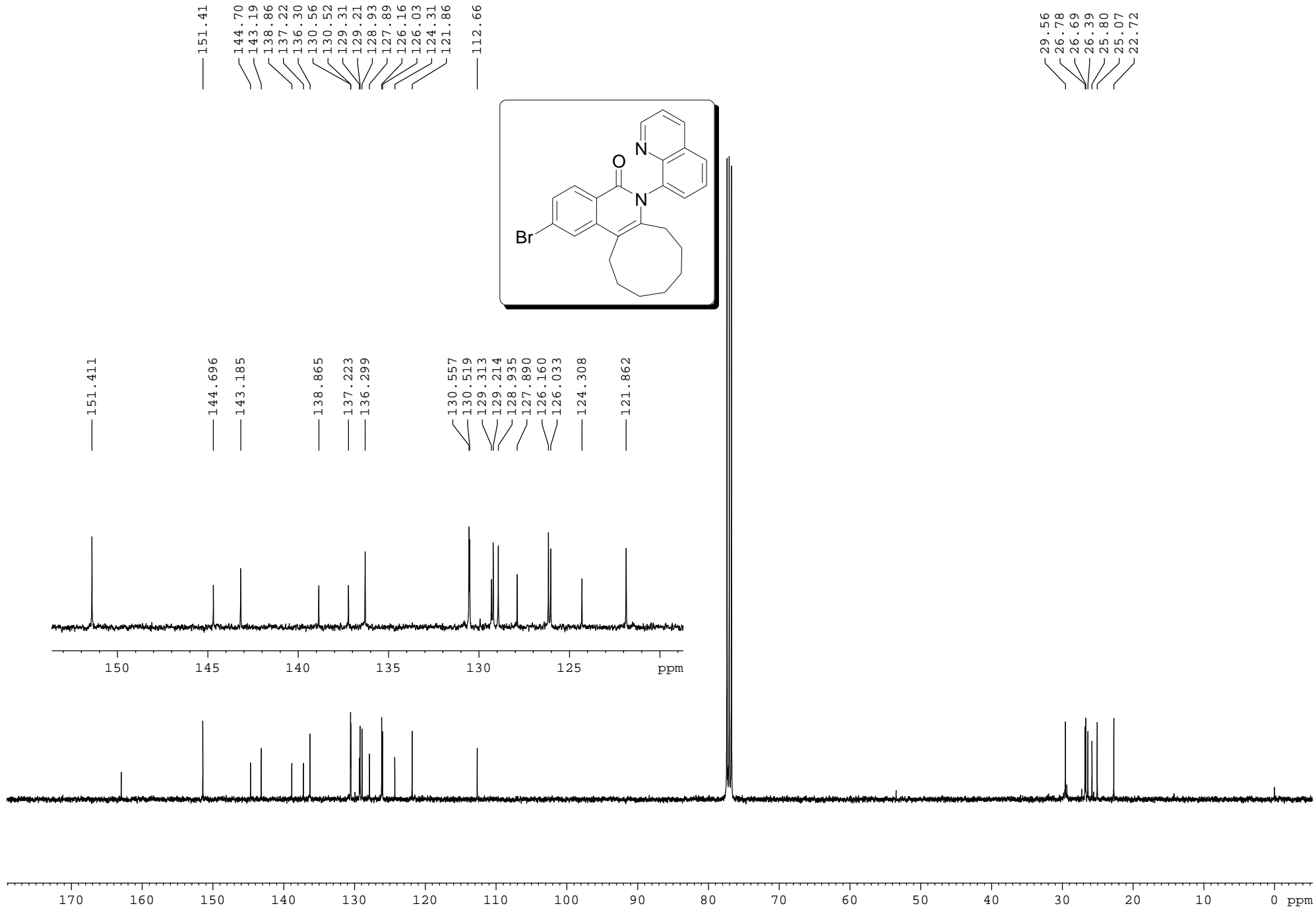
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- 8.274
- 8.255
- 8.073
- 8.052
- 8.038
- 8.022
- 8.006
- 7.904
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- 7.778
- 7.759
- 7.737
- 7.713
- 7.621
- 7.612
- 7.601
- 7.575
- 7.557
- 7.540
- 7.455
- 7.445
- 7.435
- 7.424
- 7.261
- 6.888
- 6.829

- 4.1521
- 4.1344
- 4.1167
- 4.0991
- 4.0590
- 4.0329
- 4.0160
- 3.9992
- 3.9815
- 3.9551
- 3.8802
- 3.8536
- 3.8360
- 3.8181
- 3.7455
- 3.7275
- 3.7094
- 3.7005
- 3.6831
- 3.6656
- 3.3158
- 3.2981
- 3.2806
- 3.2635
- 3.2420
- 3.2248
- 3.2070
- 3.1896
- 2.0482
- 1.4608
- 1.4404
- 1.4210
- 1.2794
- 1.2619
- 1.2441
- 1.1511
- 1.1334
- 1.1158
- 0.9990
- 0.9813
- 0.9637





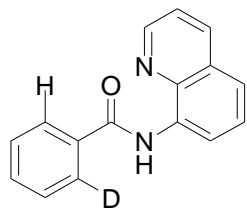




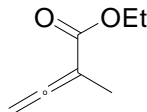
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7.3240  
7.2613

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4.1433  
4.1263

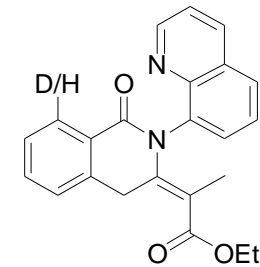
1.2765  
1.2668  
1.2490  
1.2311



+



0.2 eq Co(acac)<sub>2</sub>  
2.0 eq Mn(OAc)<sub>2</sub>  
2.0 eq KOTf  
TFE, O<sub>2</sub>, 40 °C  
45 min



8.188  
8.184  
8.168  
8.164

7.950  
7.948  
7.932  
7.930

7.828  
7.826  
7.808

7.653  
7.633  
7.614

7.529  
7.510  
7.491

7.418  
7.408  
7.397  
7.388  
7.372  
7.343  
7.324

