

Supporting Information For:

Design, synthesis and antifungal activity of psoralen derivatives

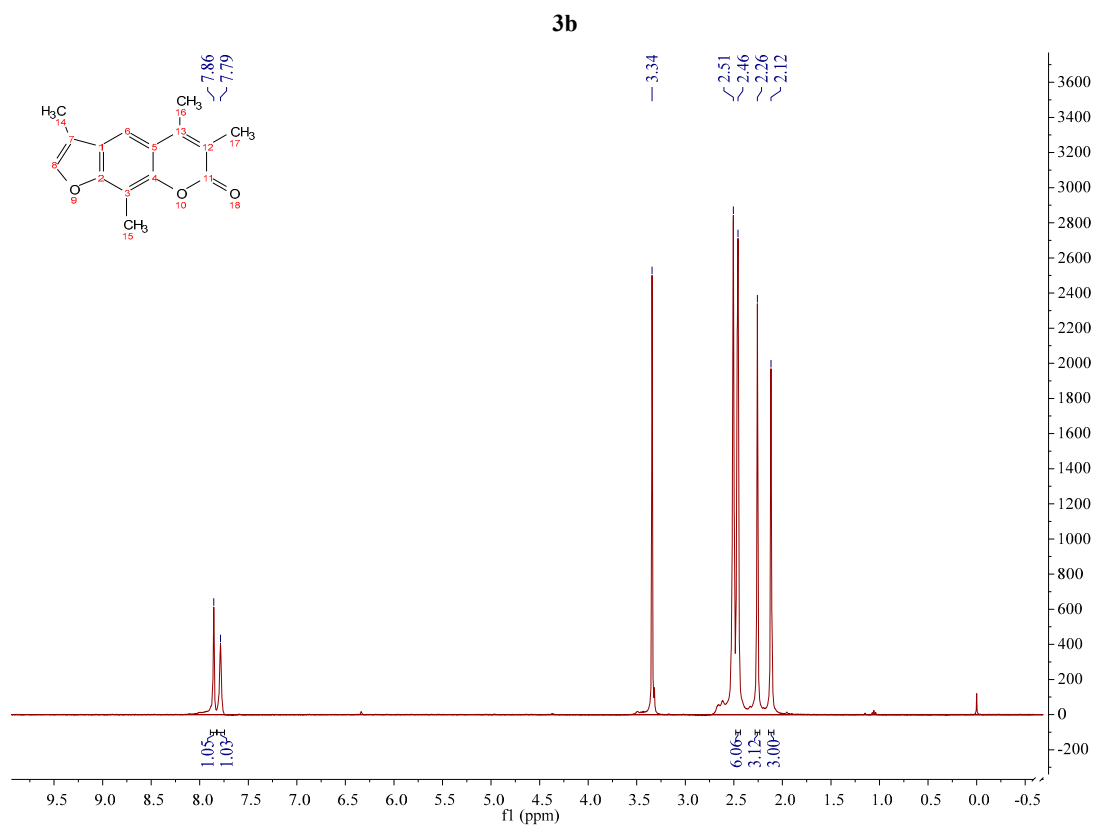
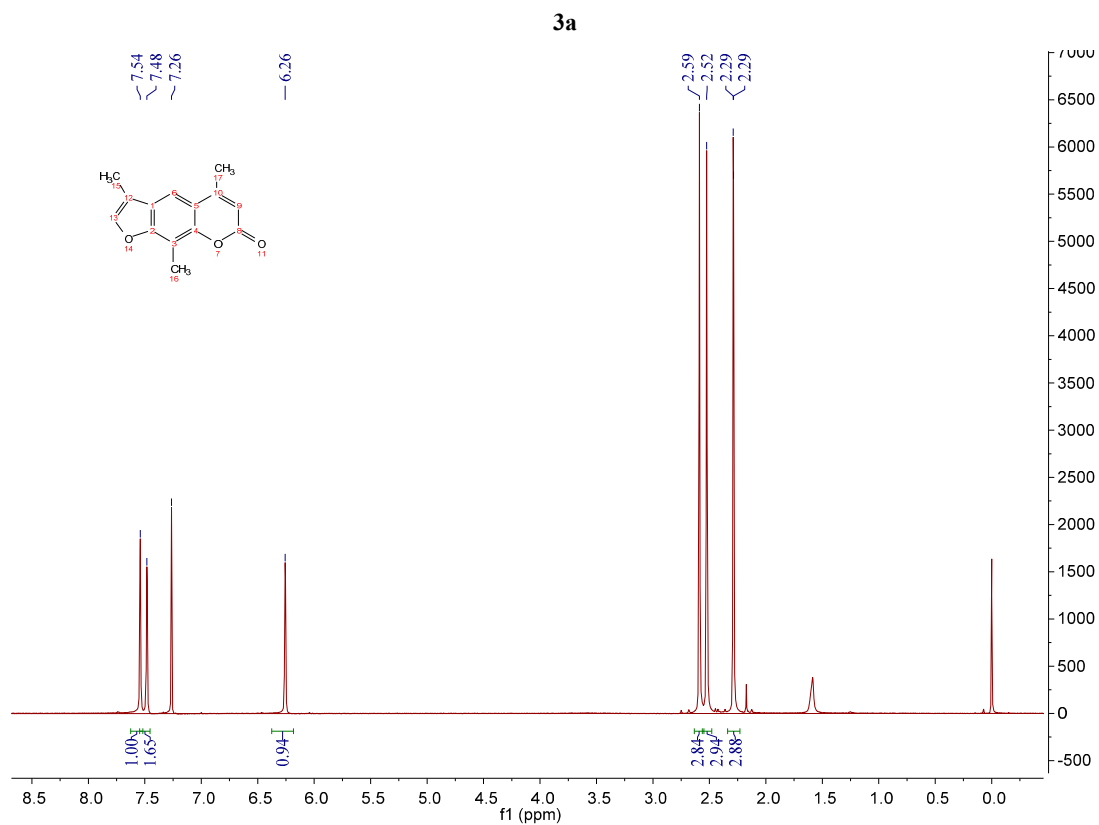
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*Jiangsu Key Laboratory of Pesticide Science, Department of Chemistry, College of Sciences,
Nanjing Agricultural University, Nanjing 210095, P.R. China*

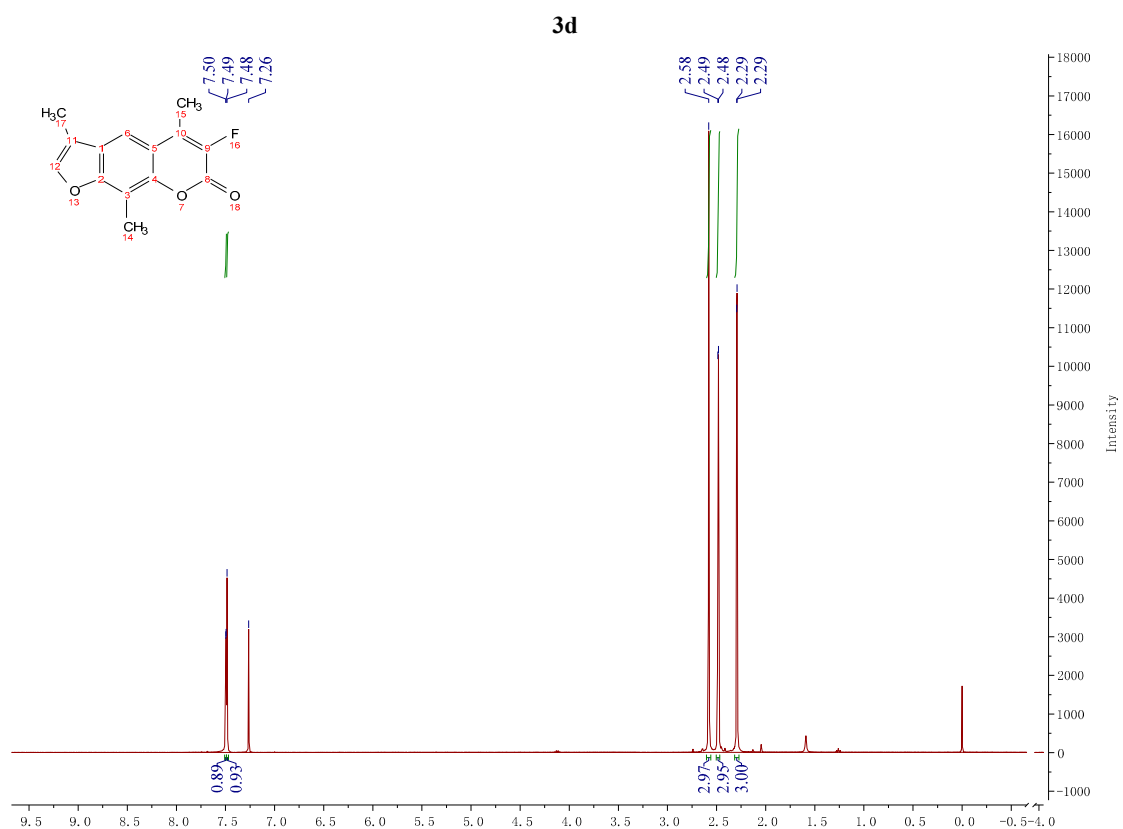
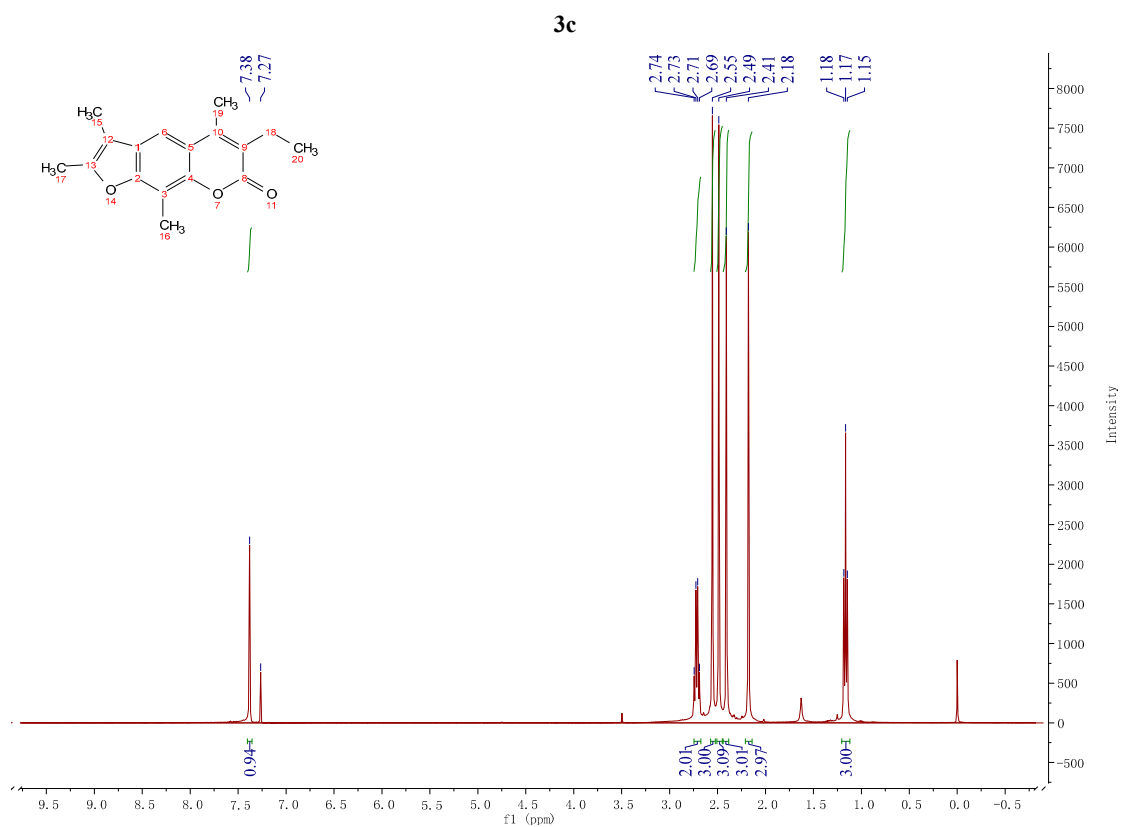
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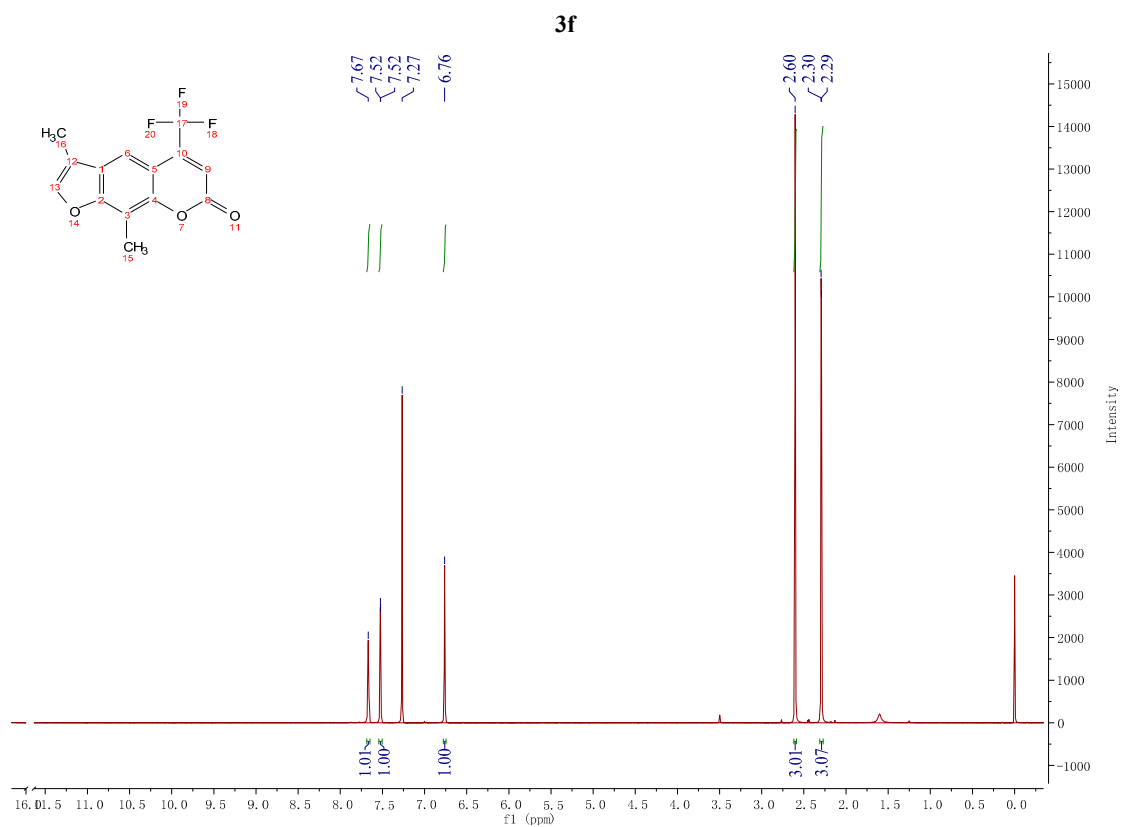
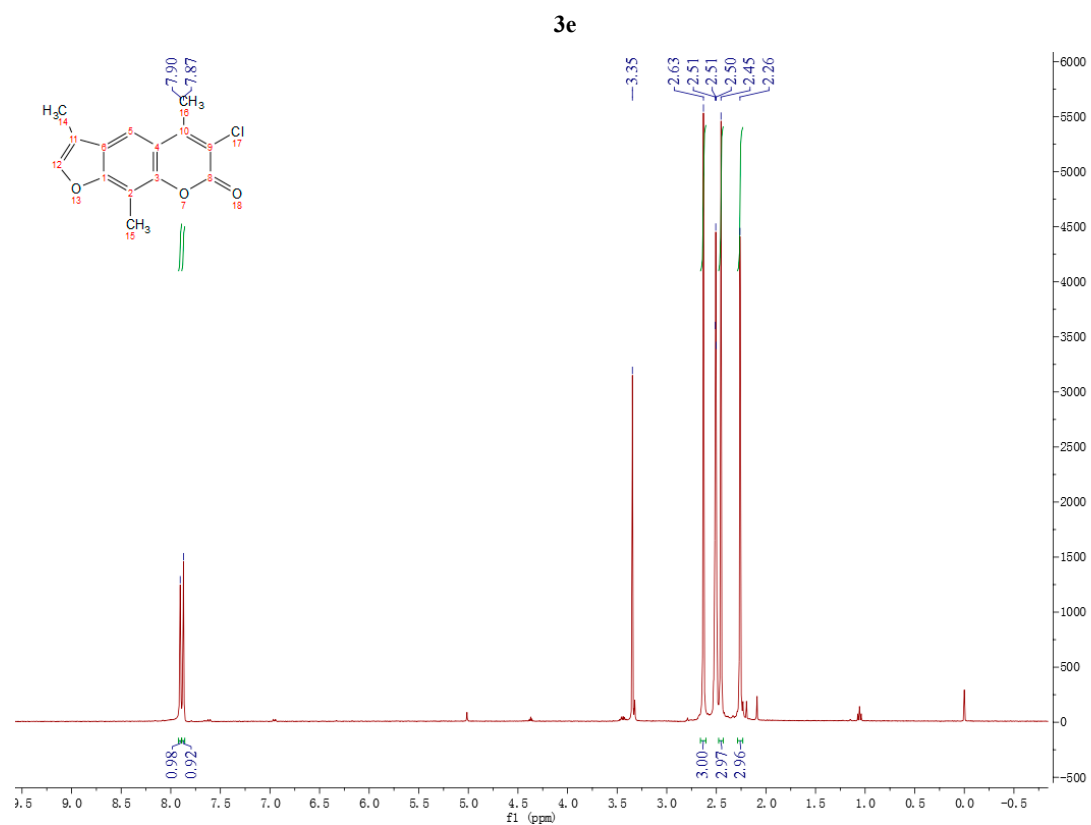
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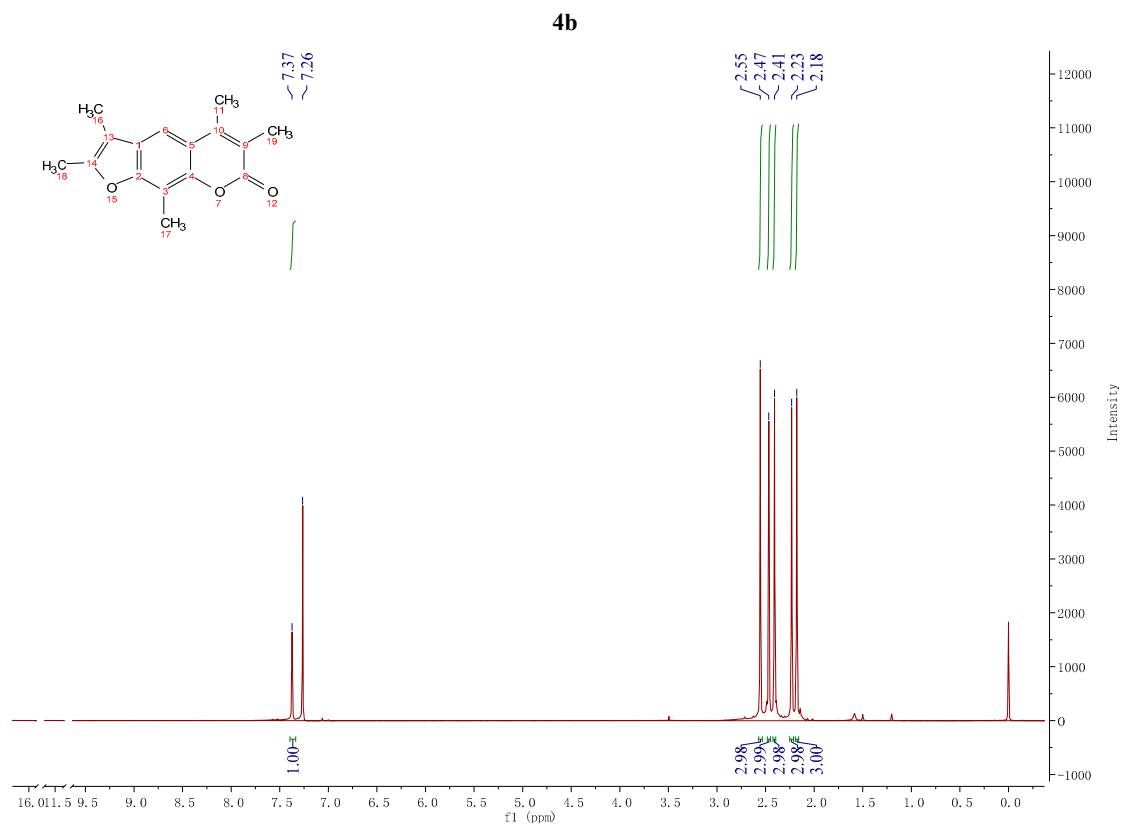
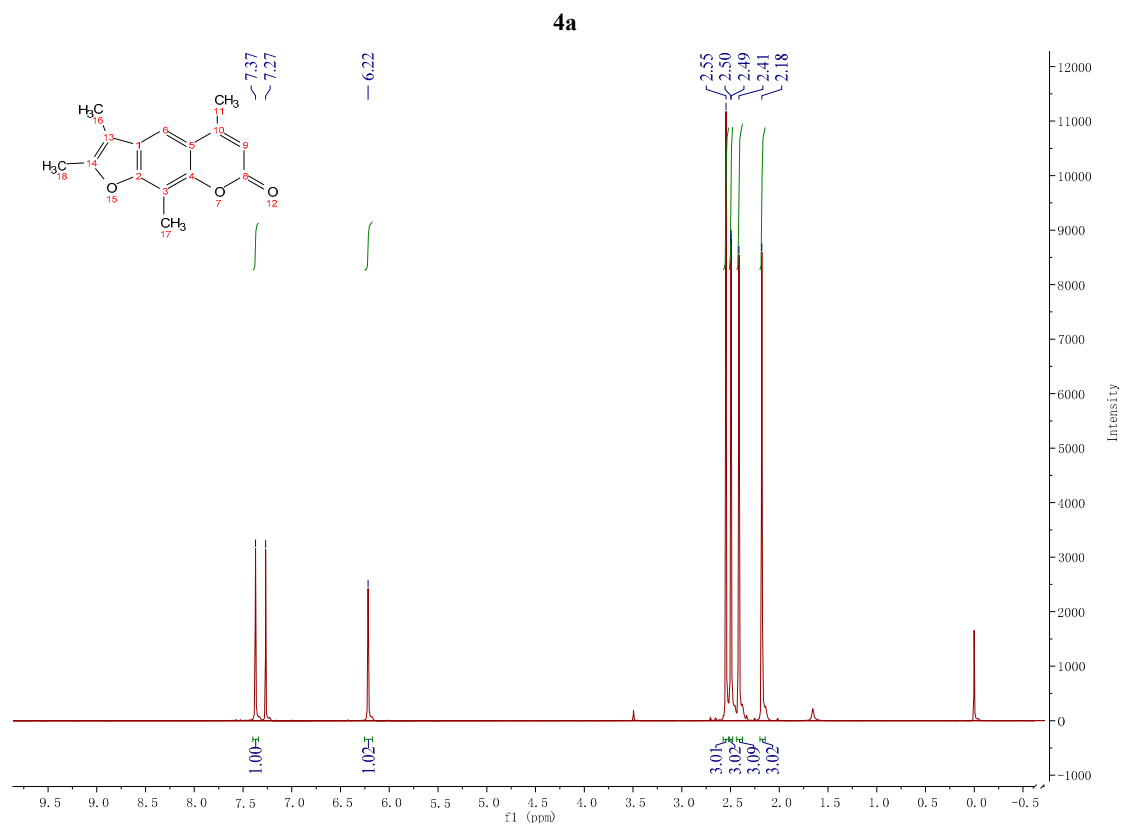
1. ¹H-NMR and ¹³C-NMR Spectra of Products

¹H-NMR



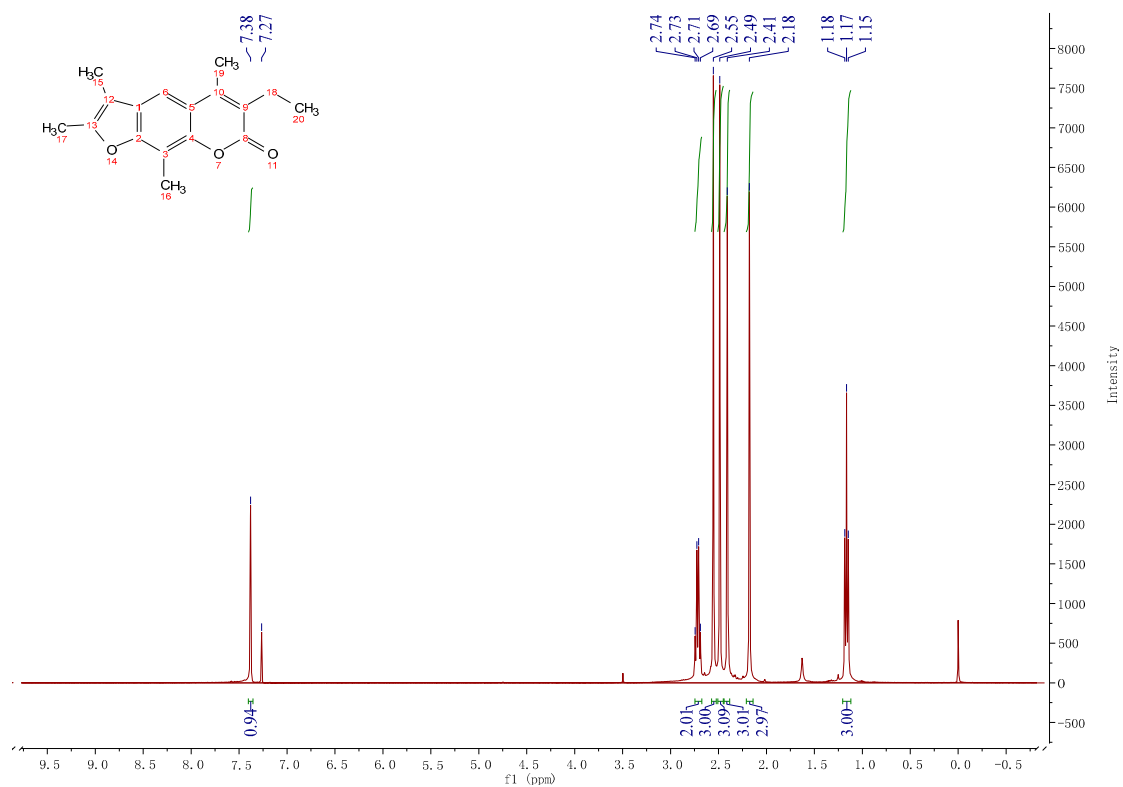




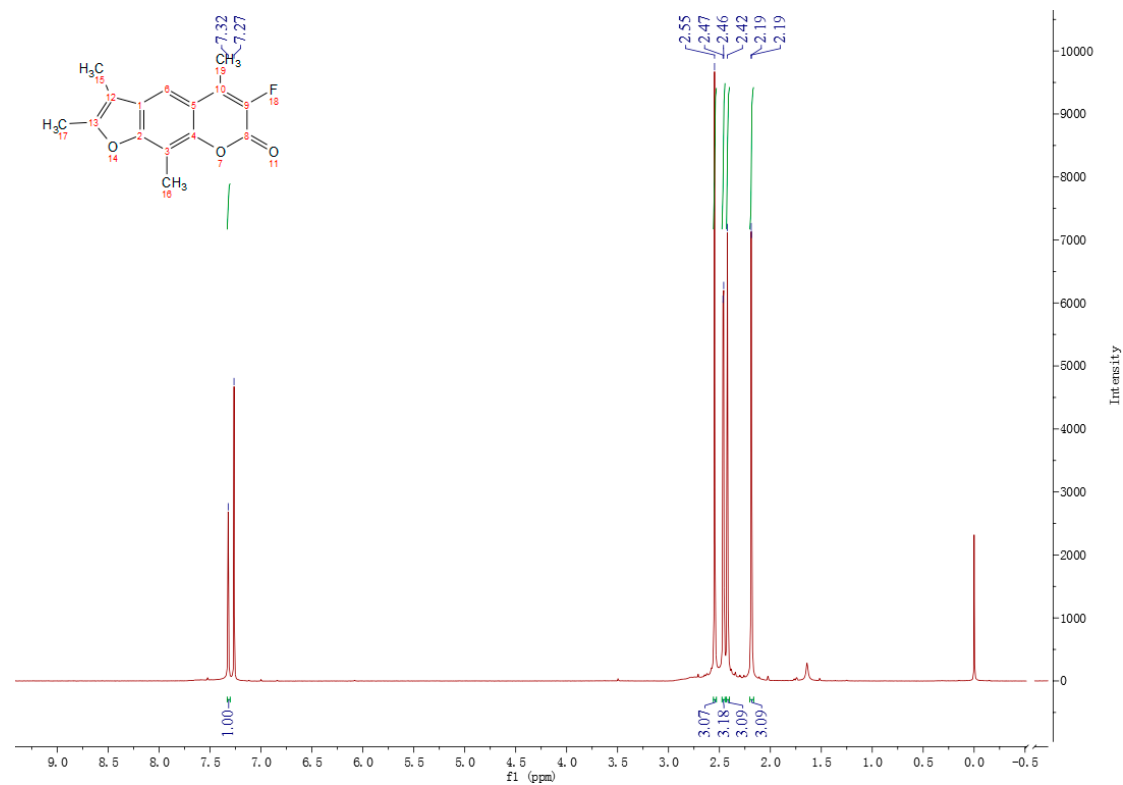


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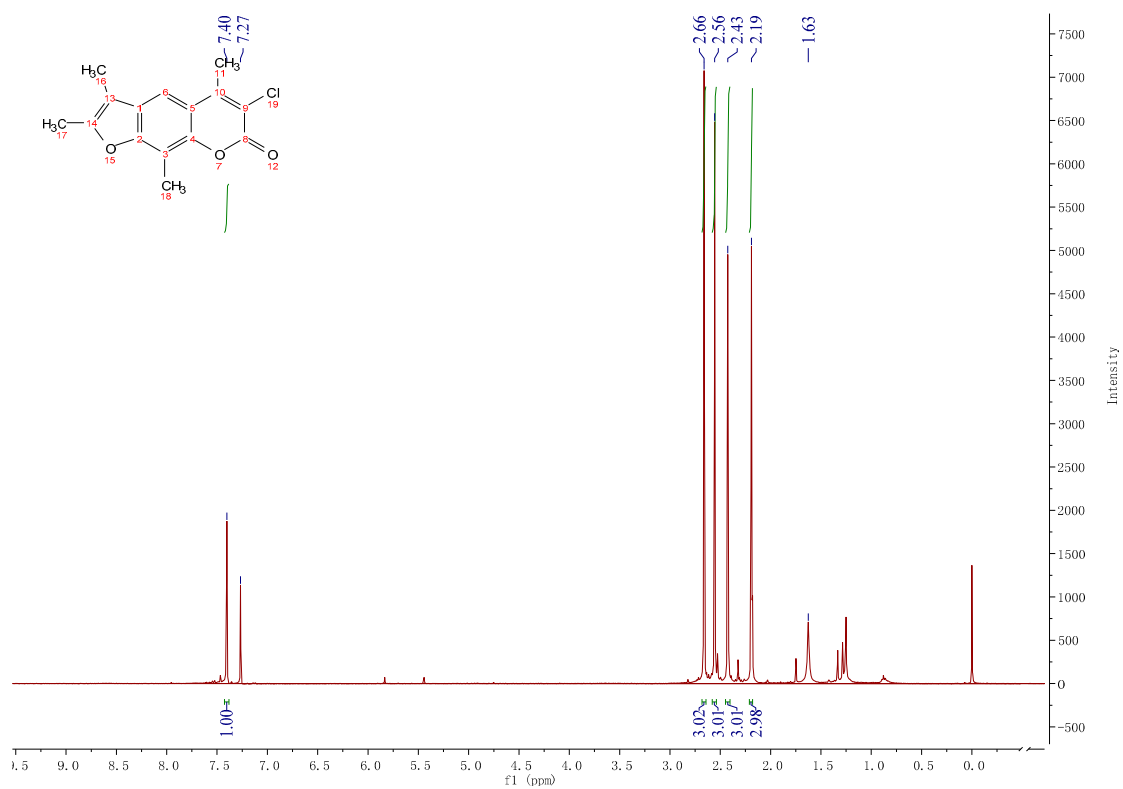
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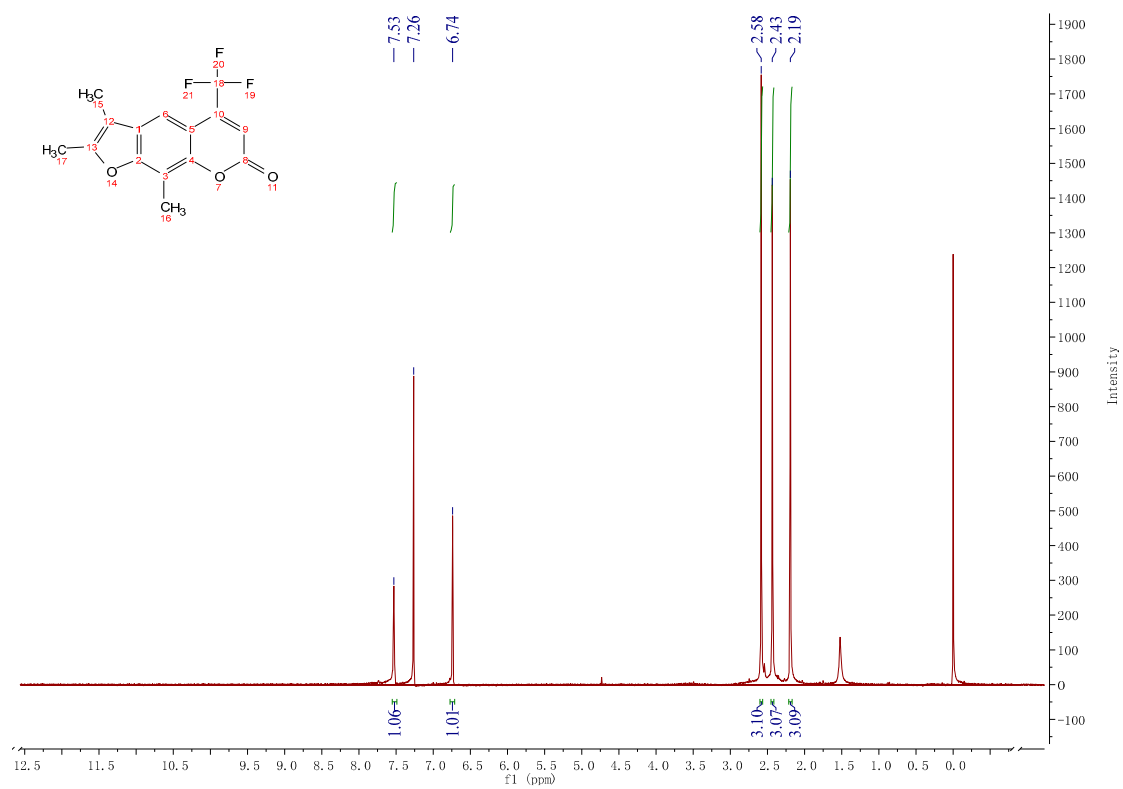
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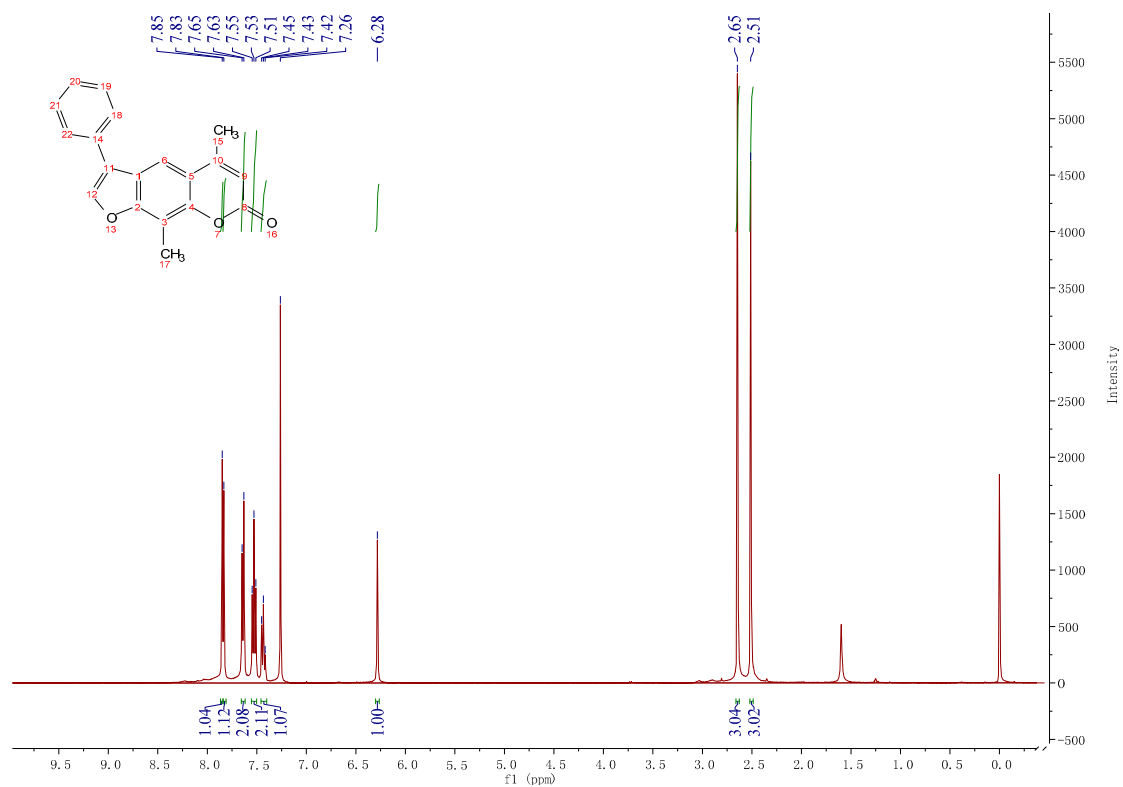
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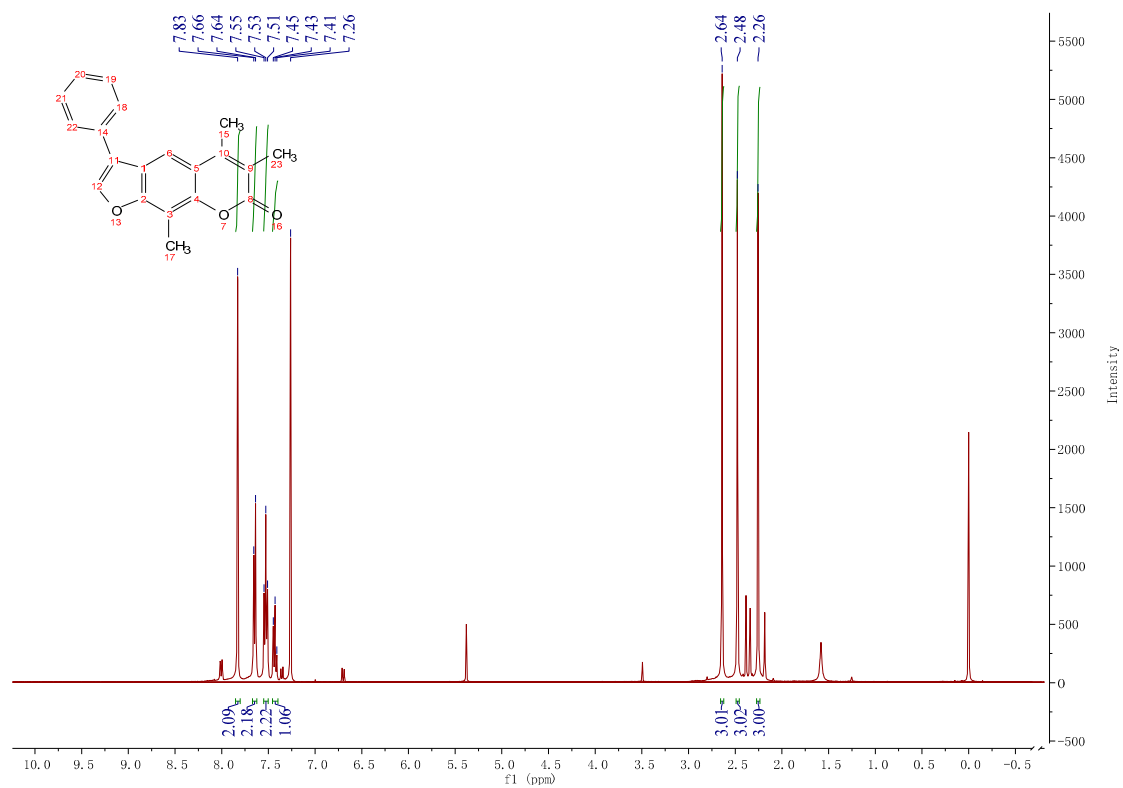
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5a

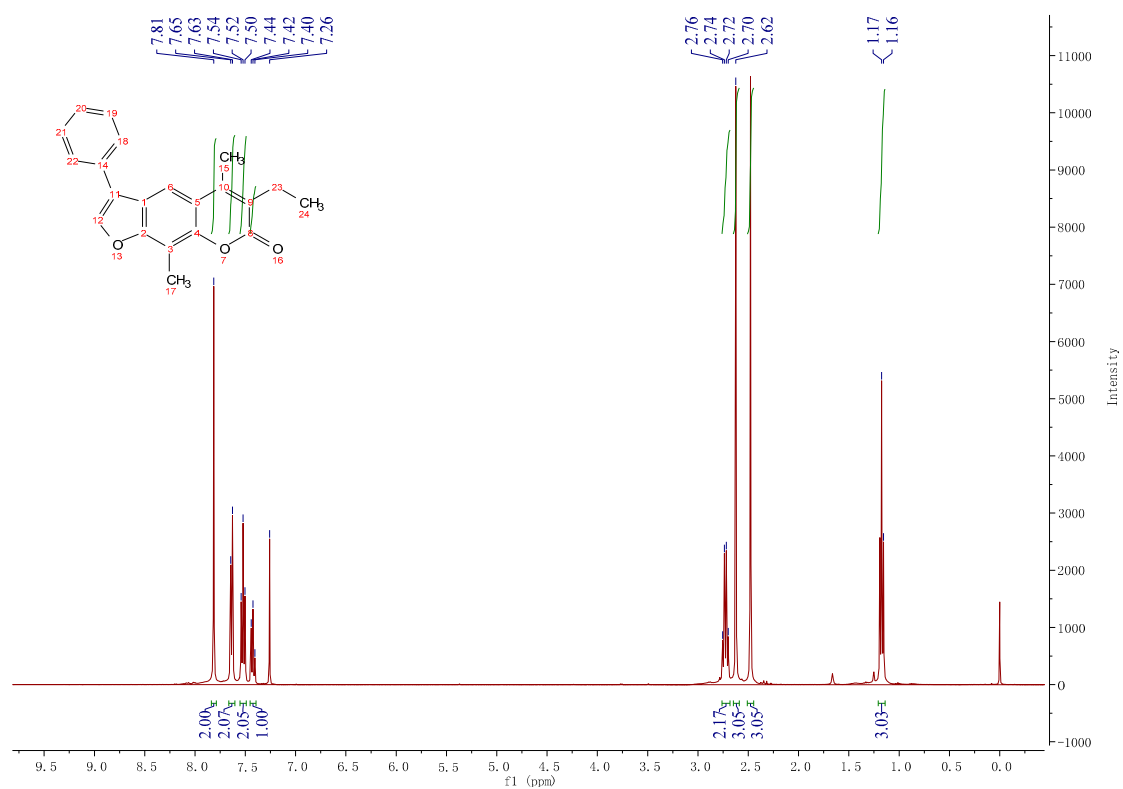


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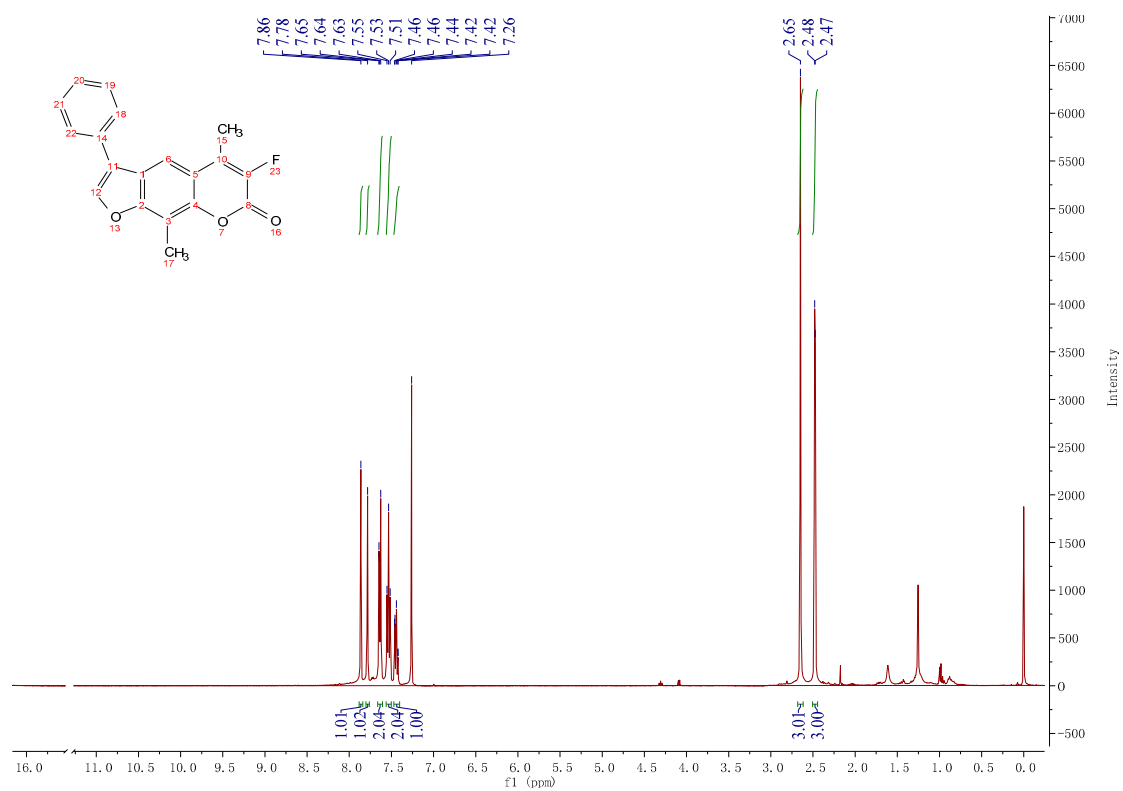


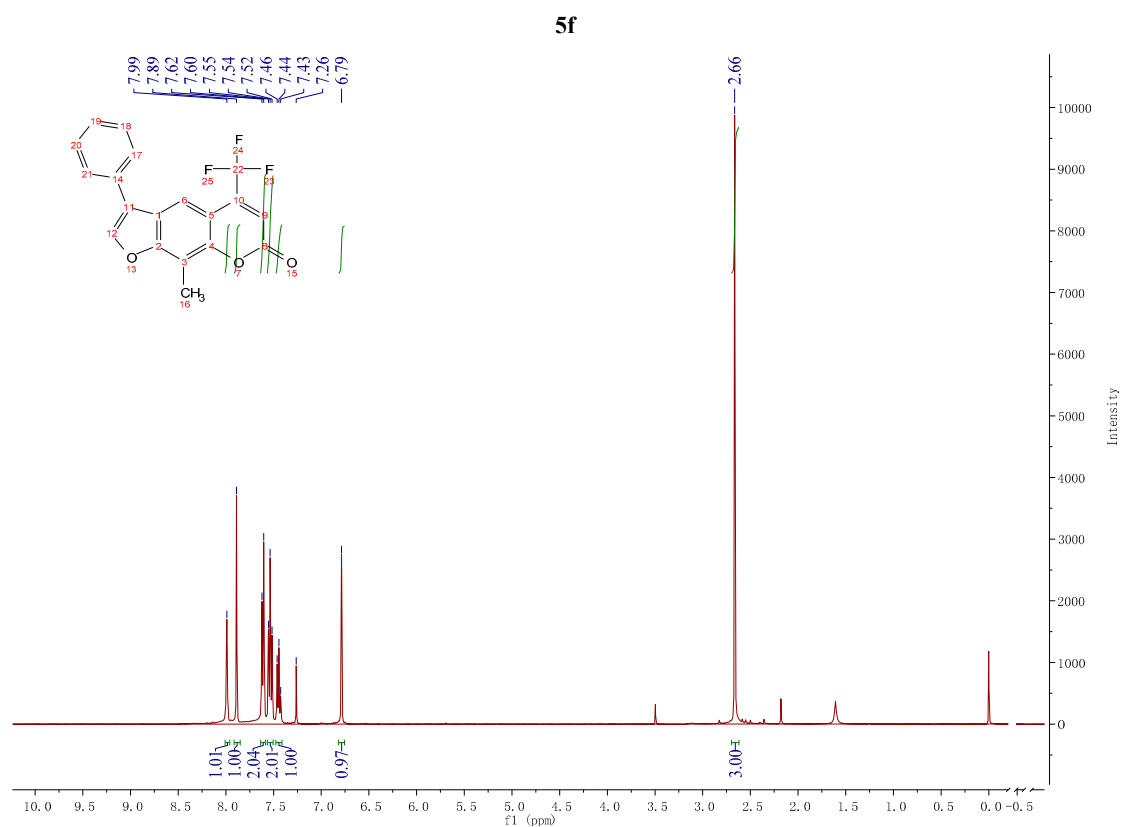
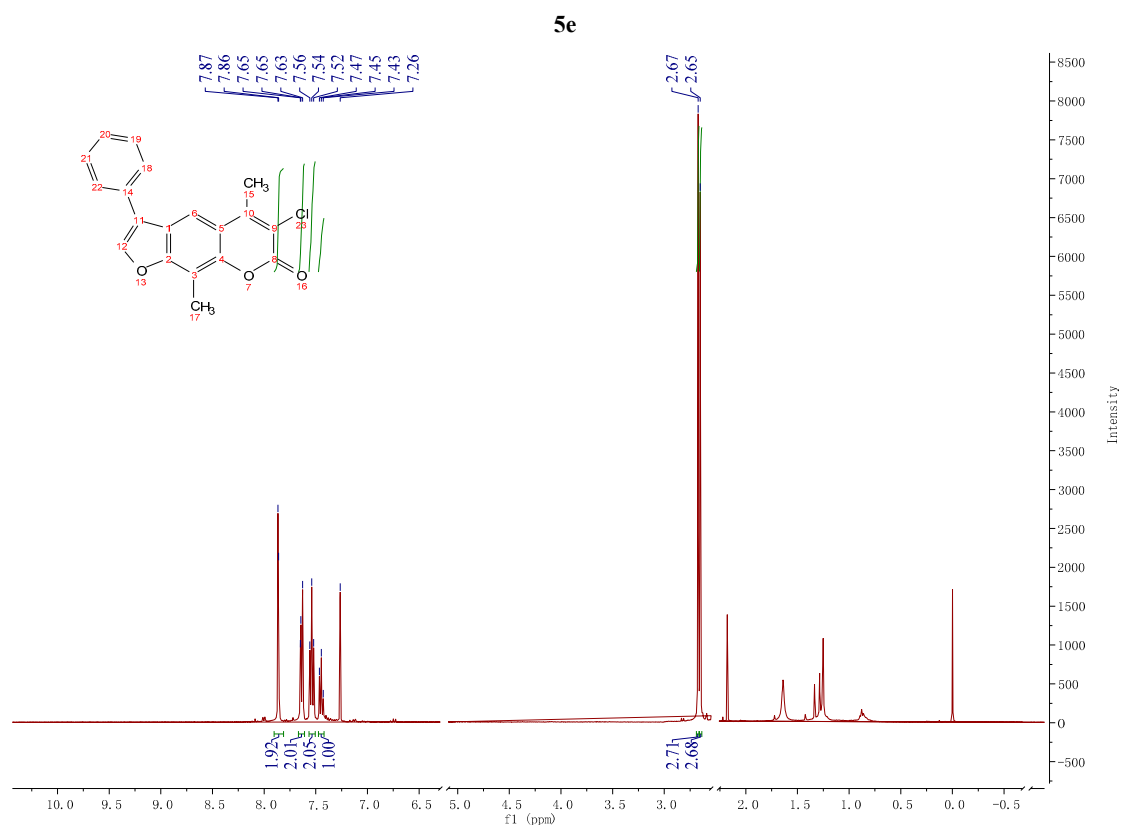
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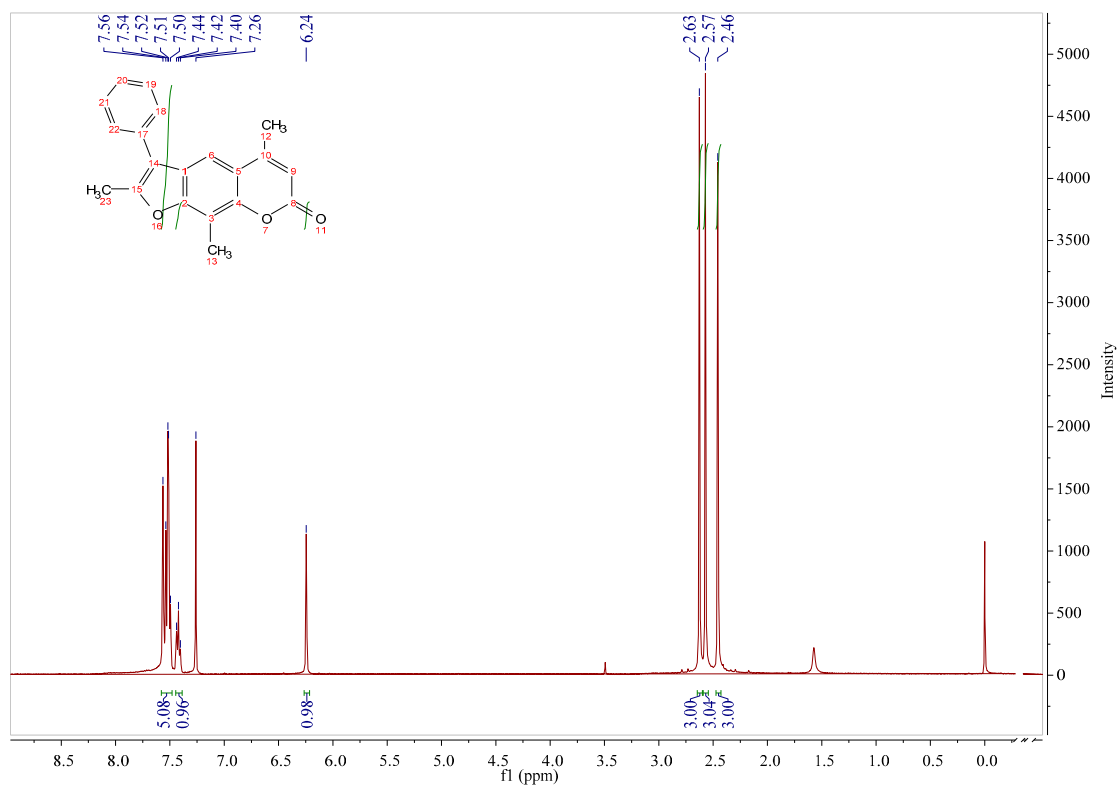


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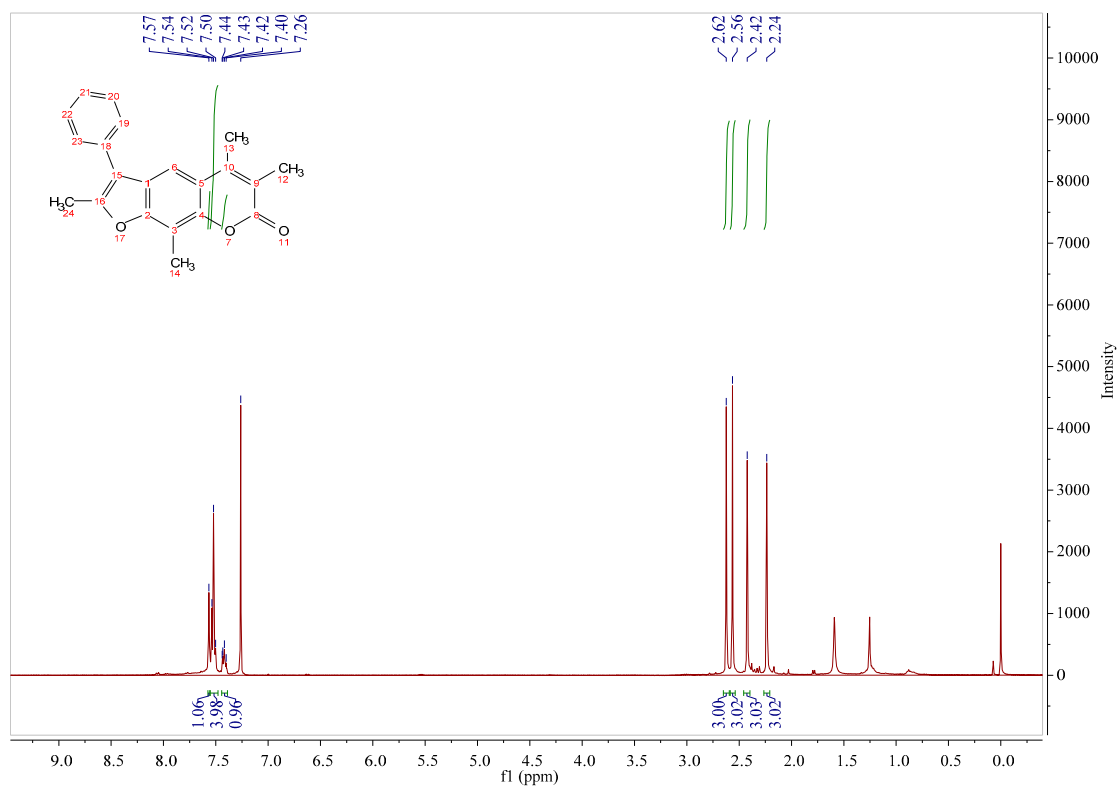


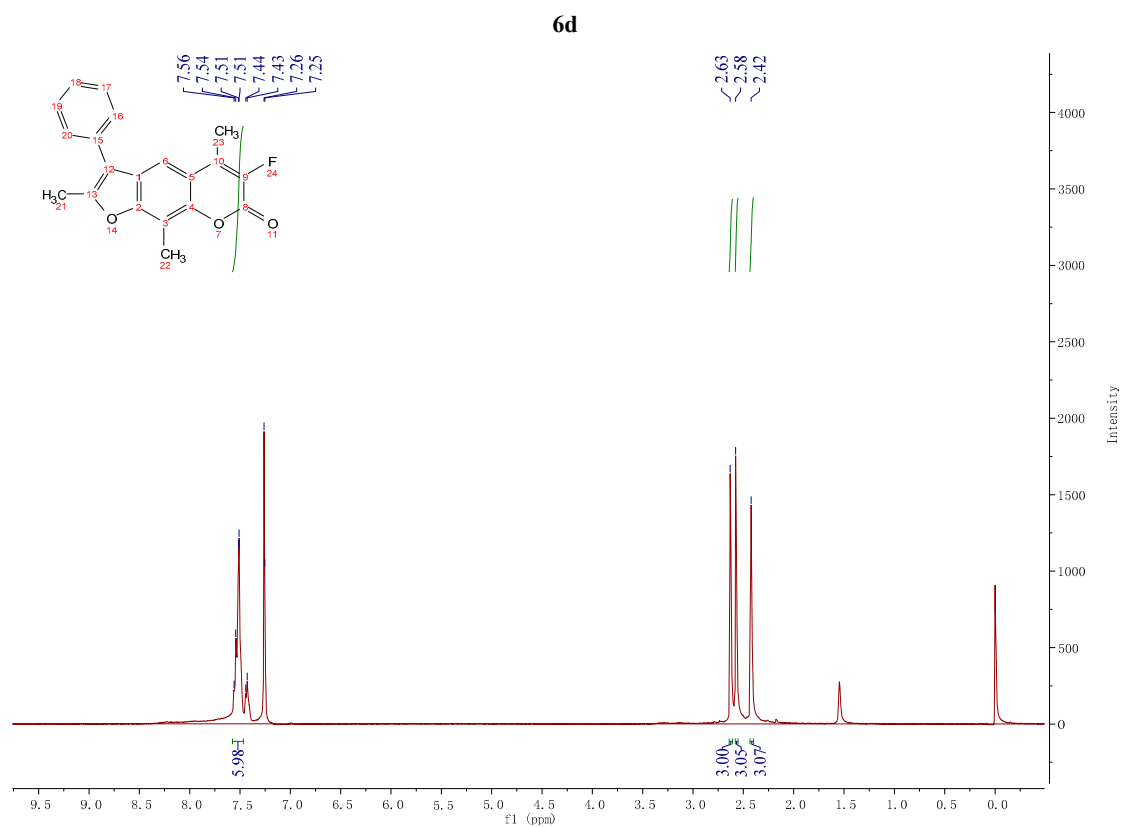
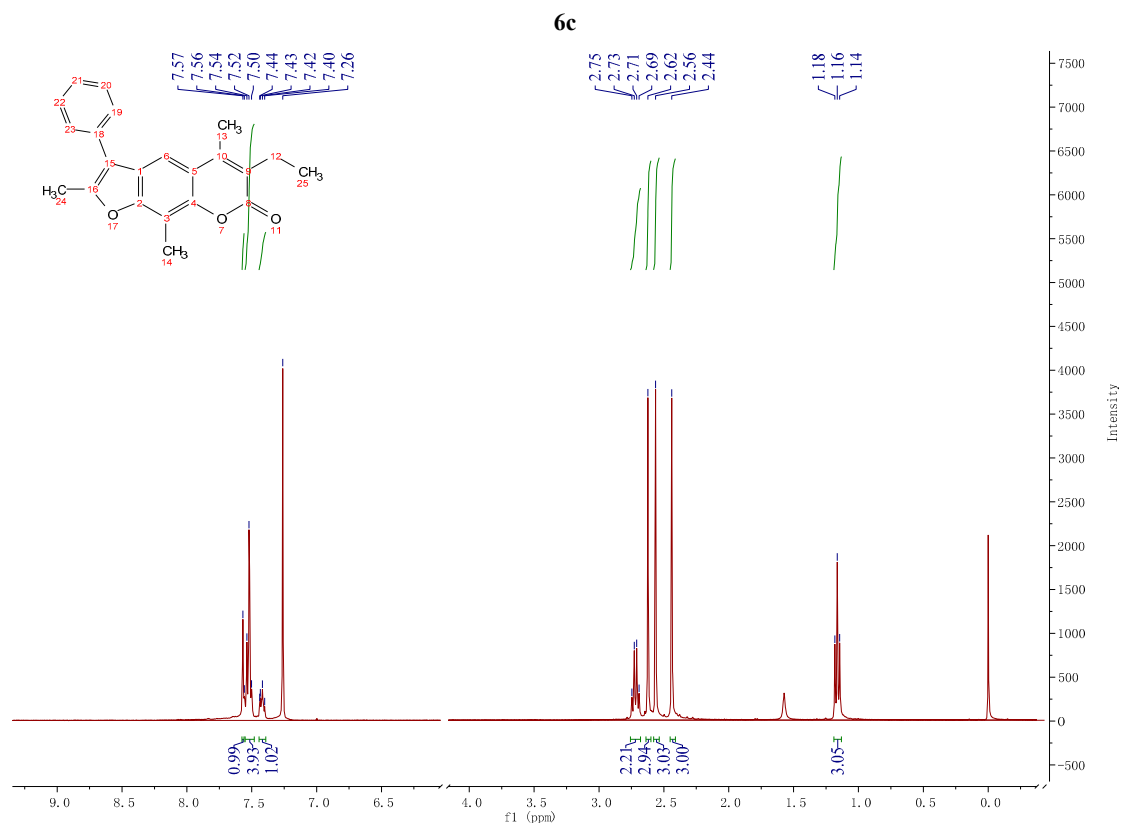


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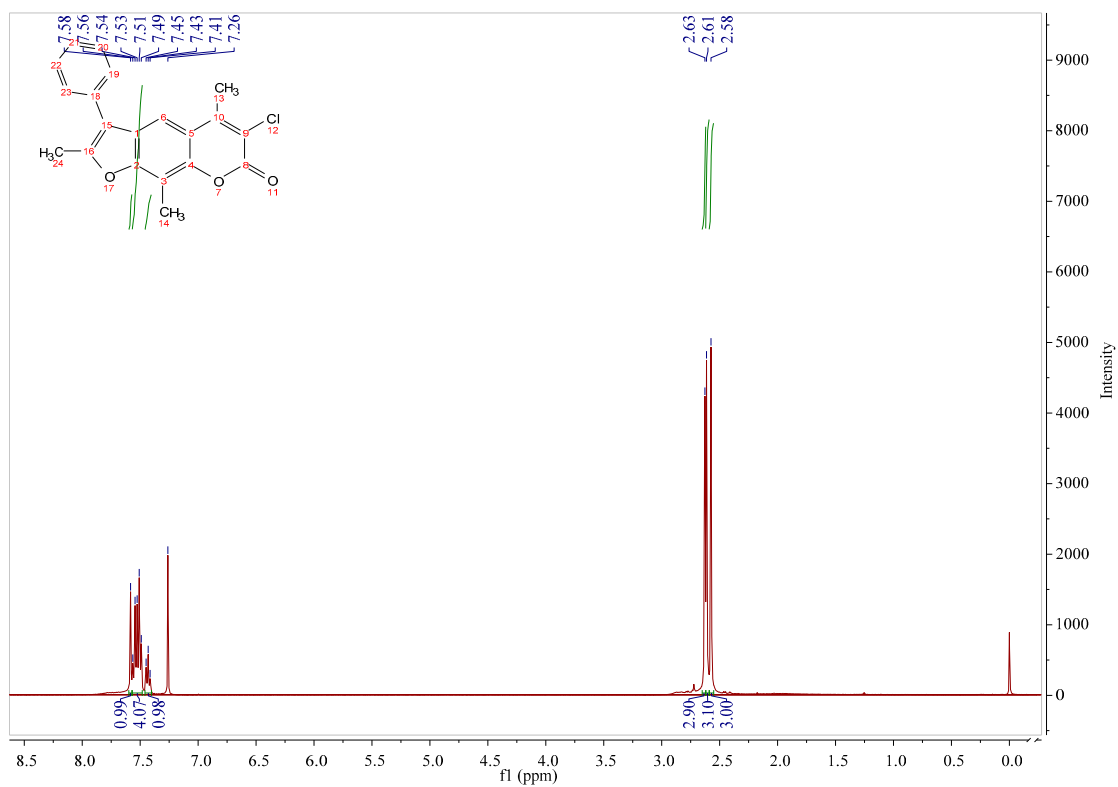


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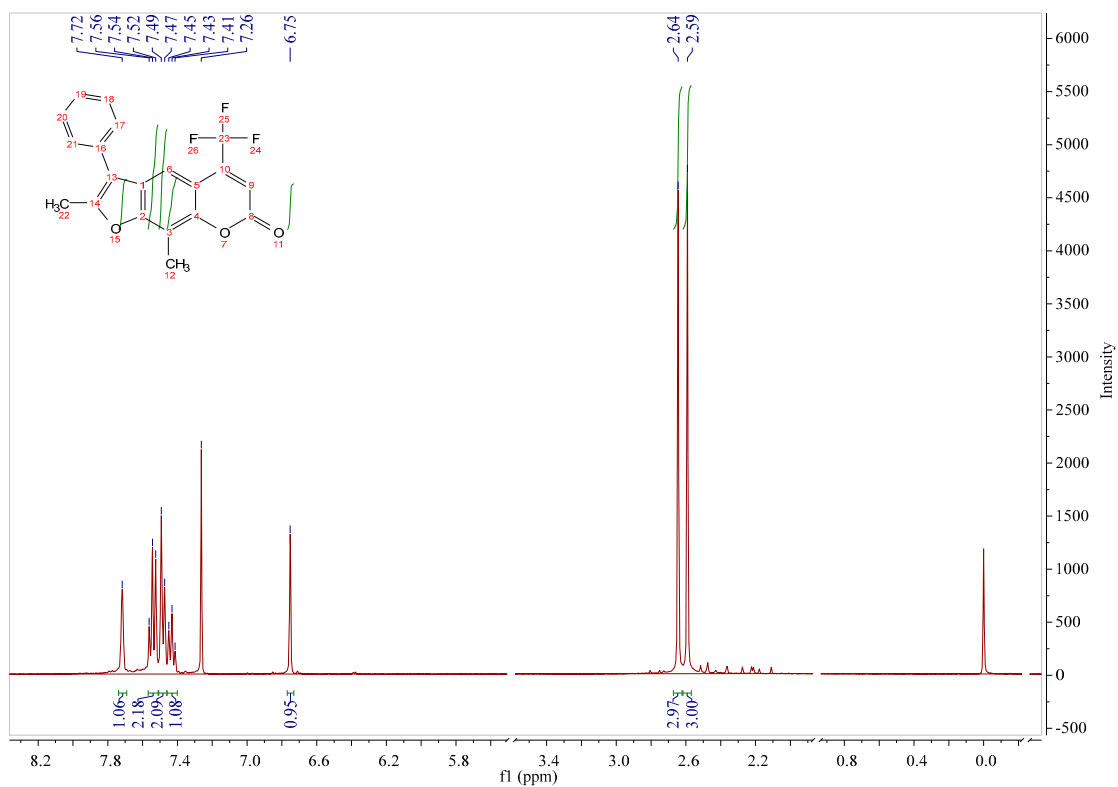




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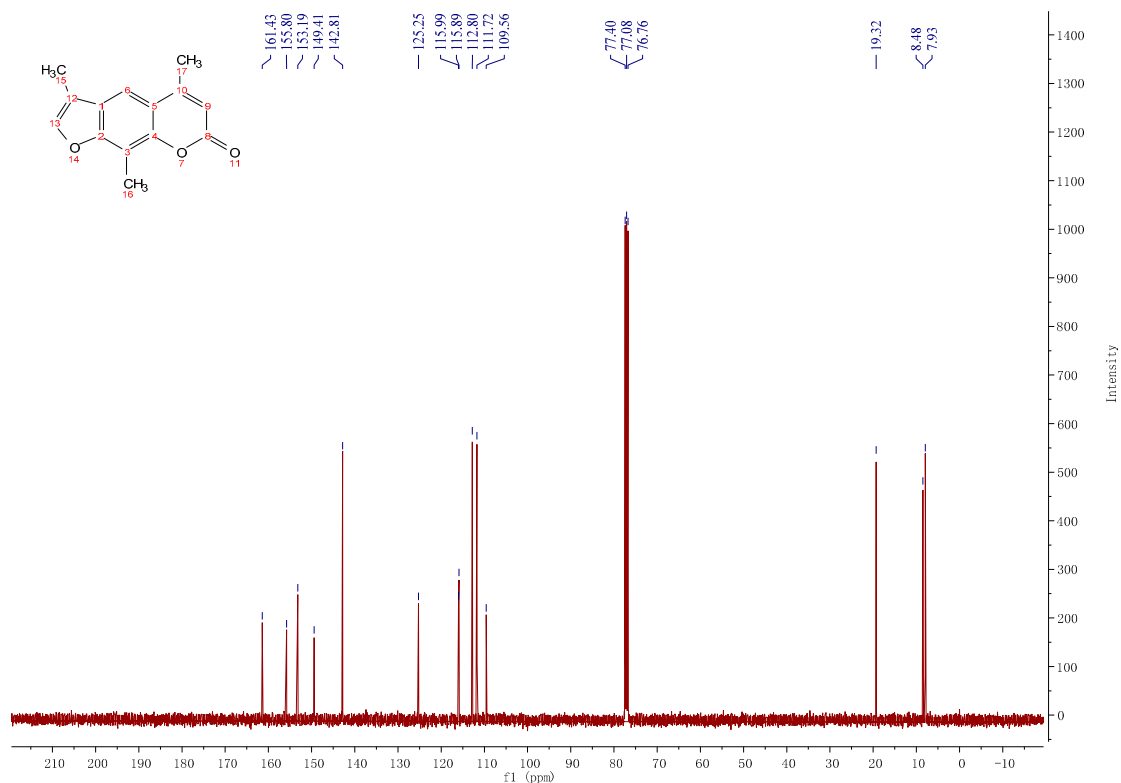
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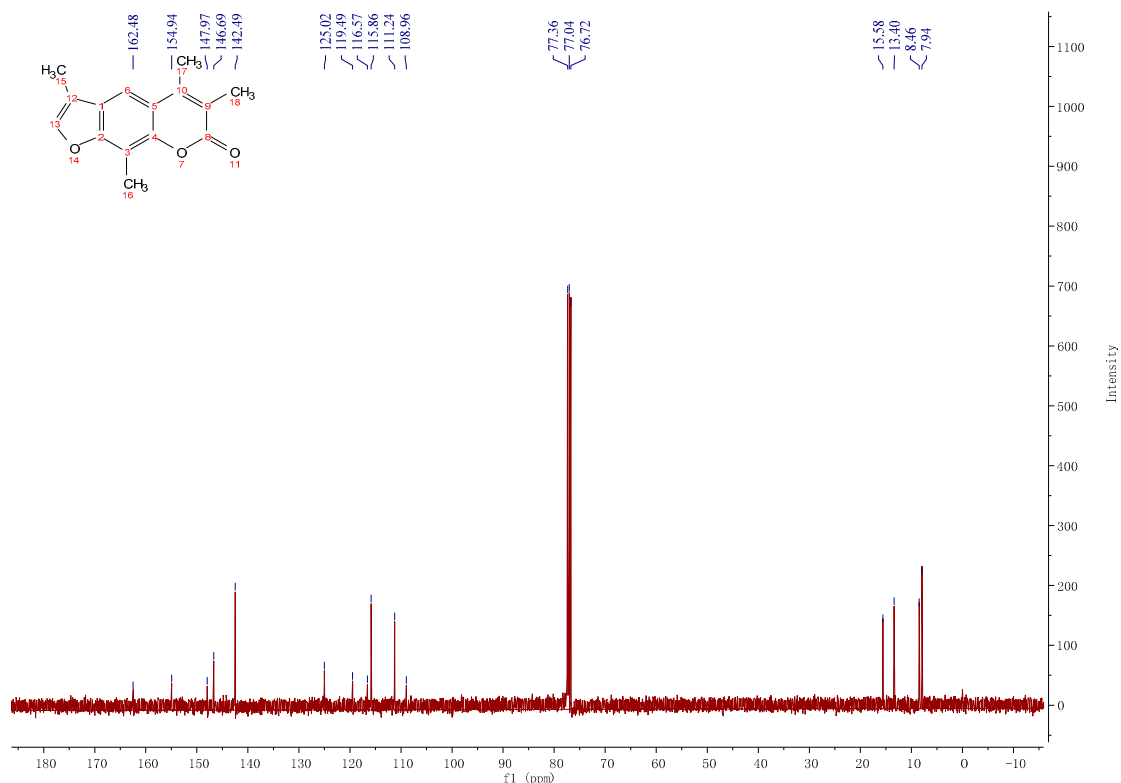
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¹³C-NMR

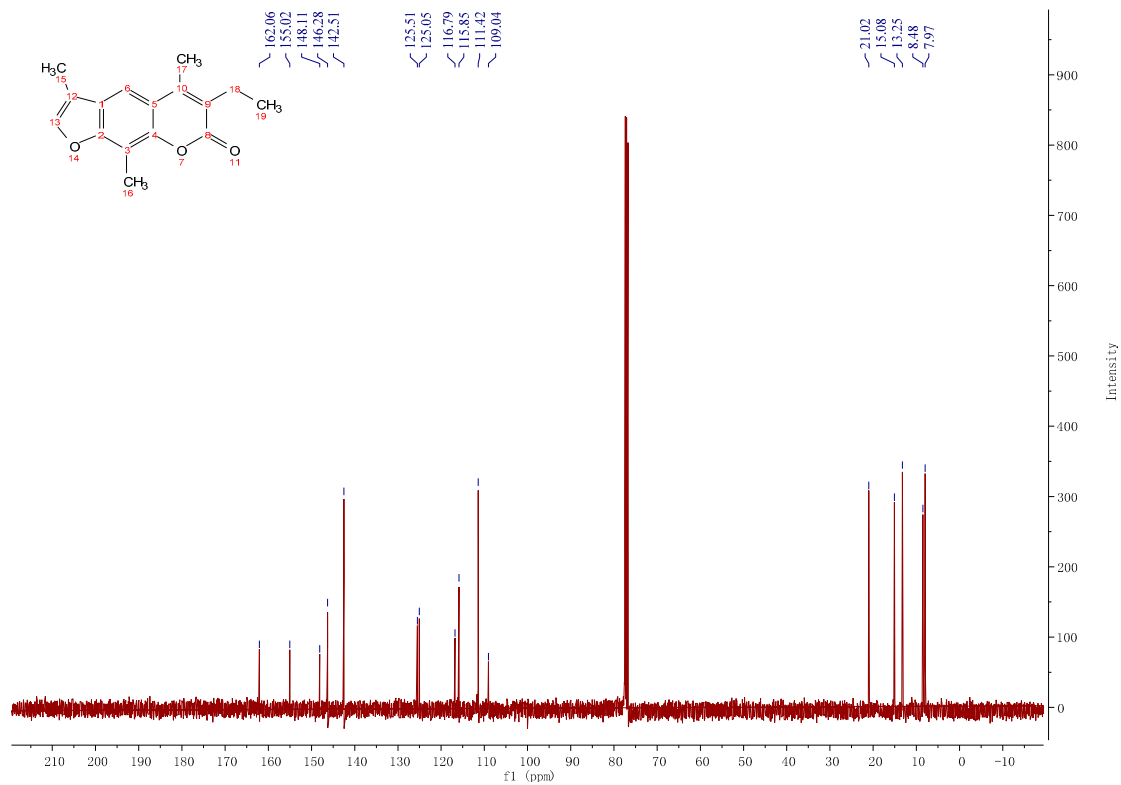
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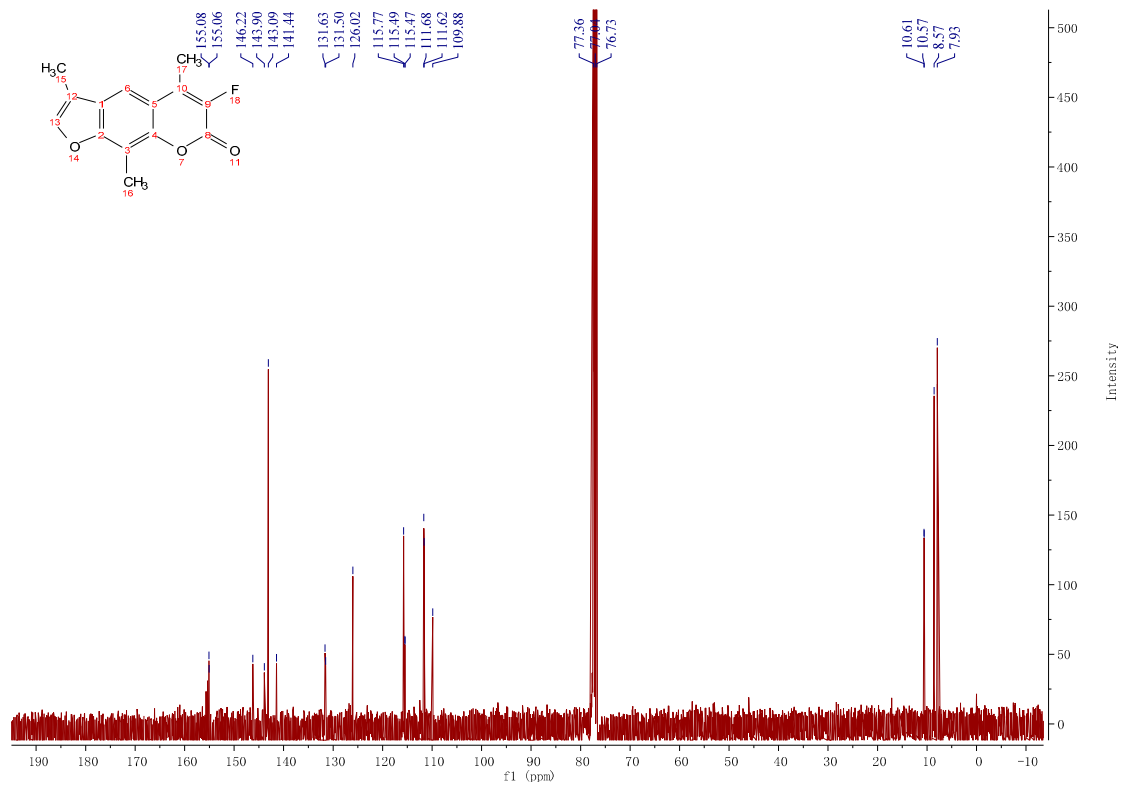
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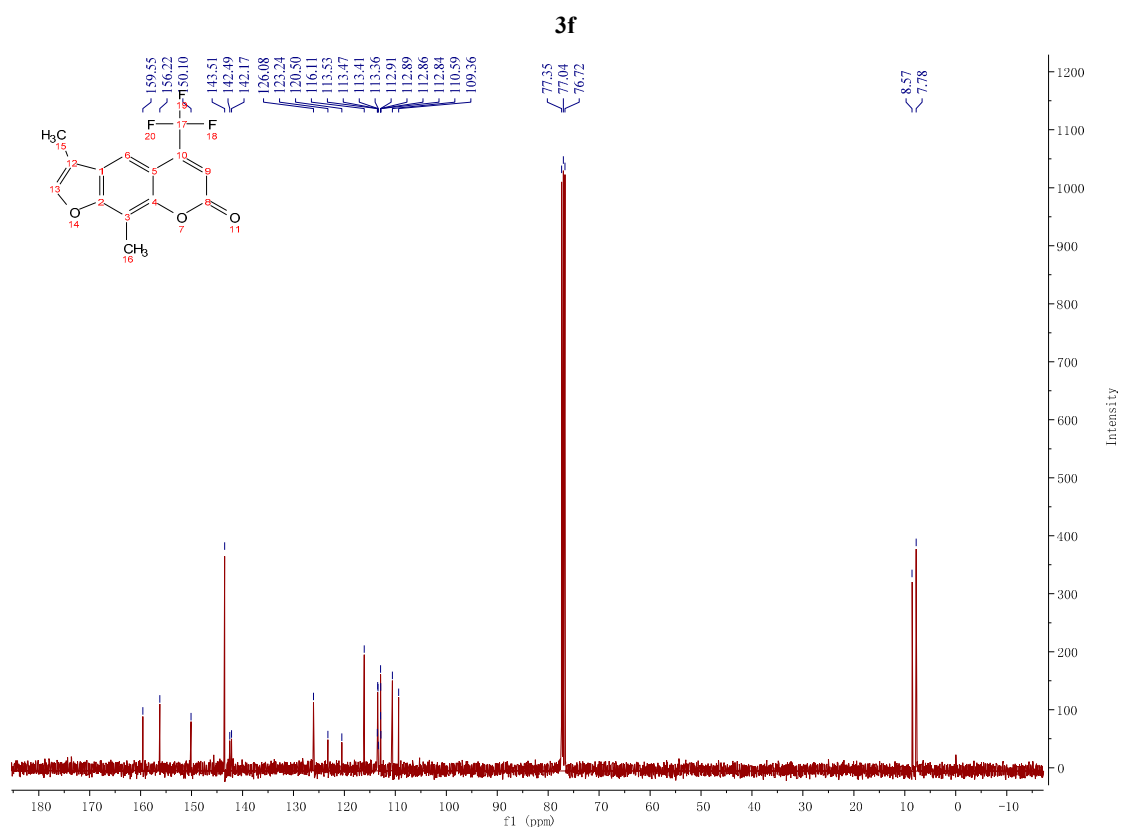
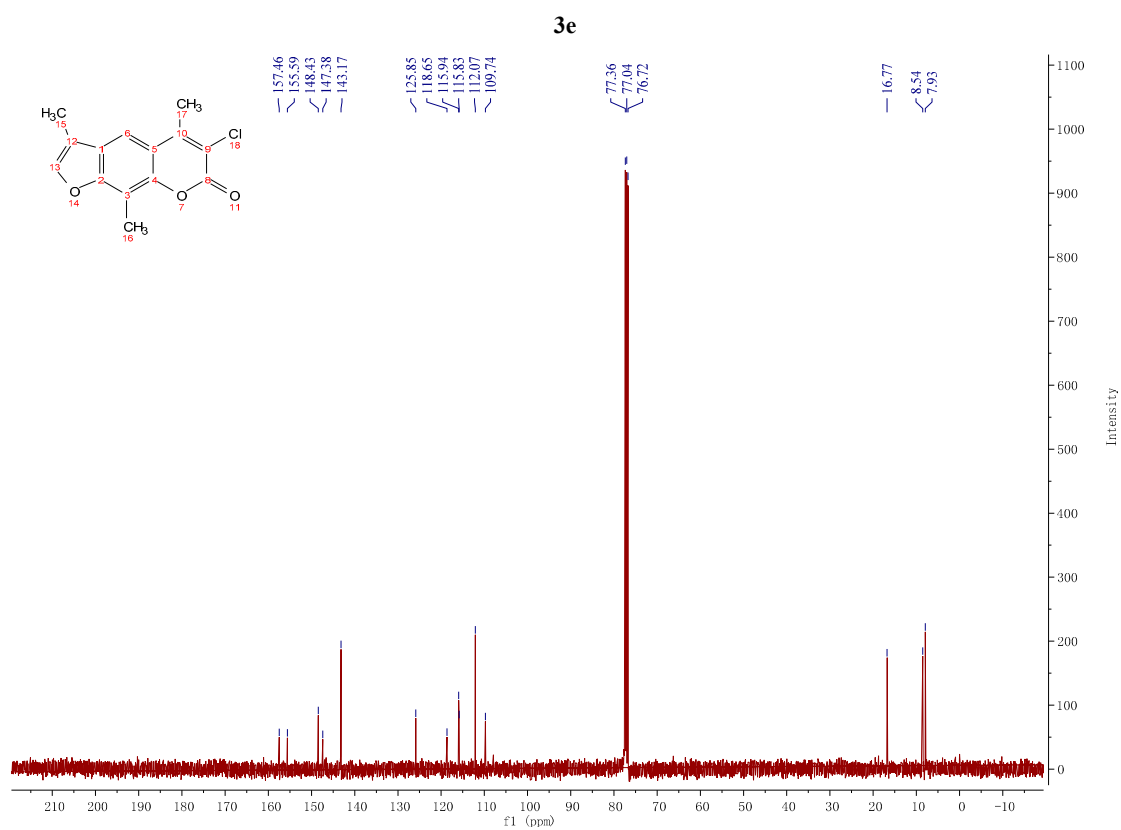
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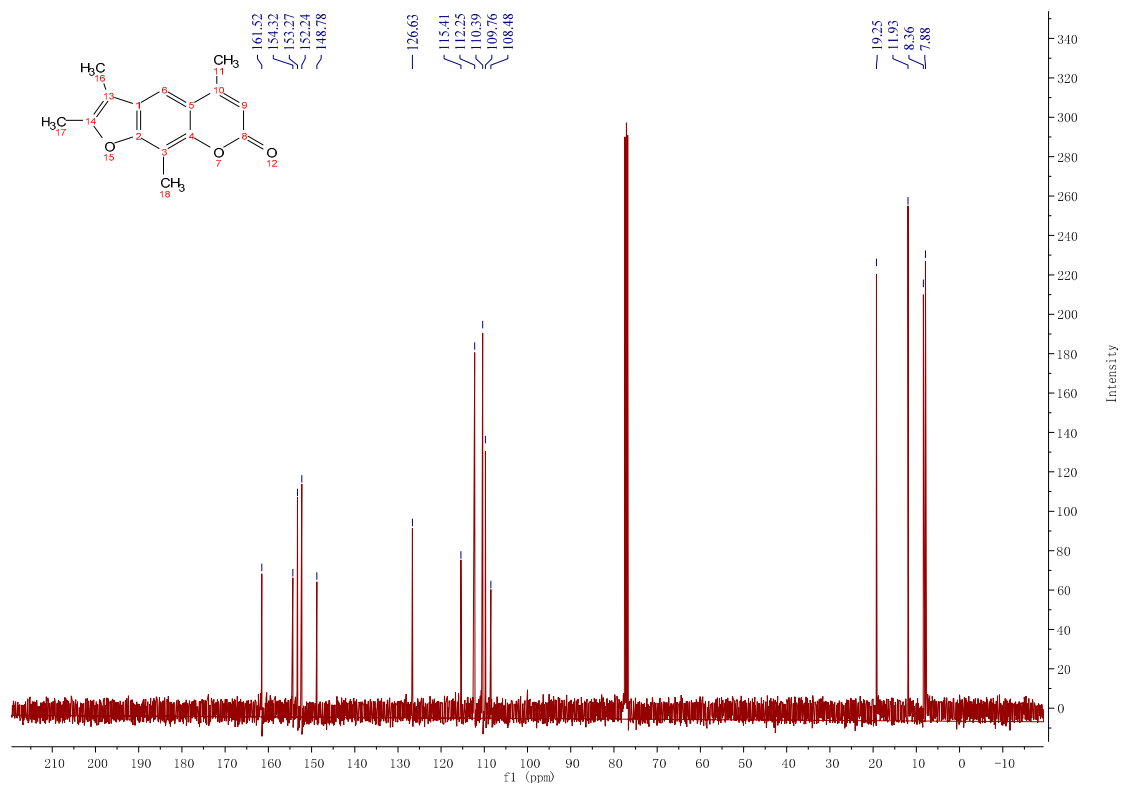
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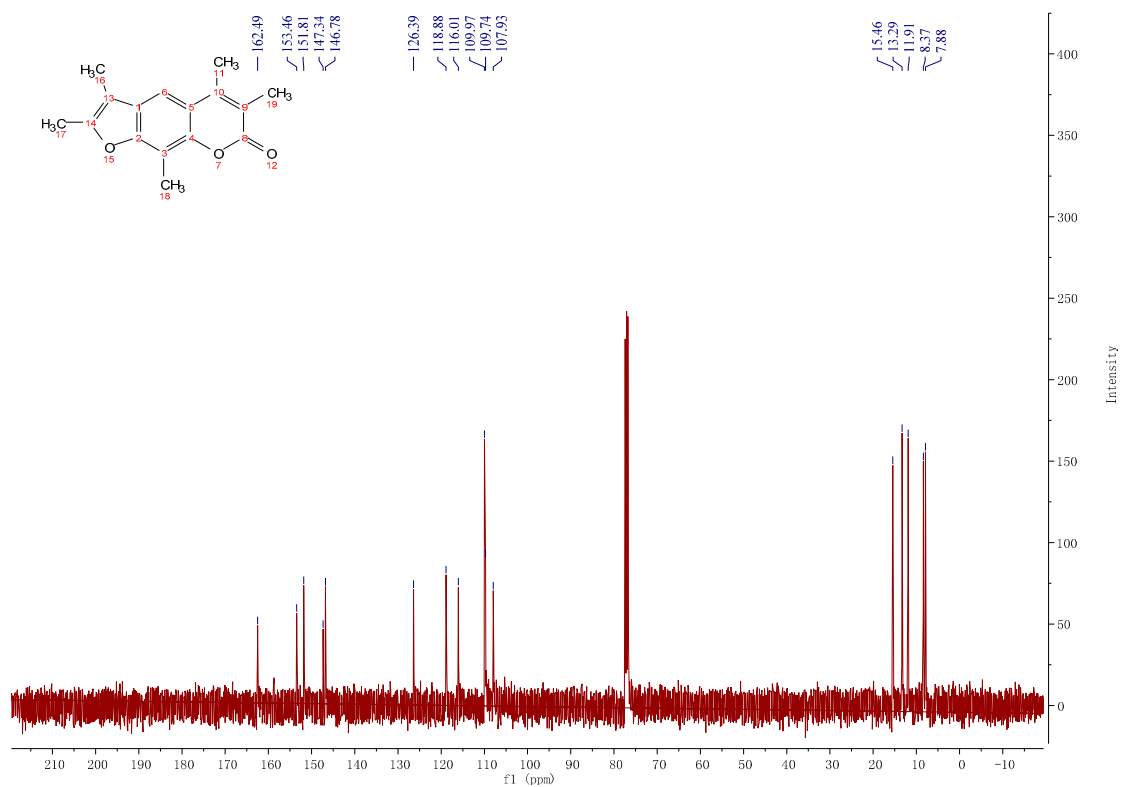
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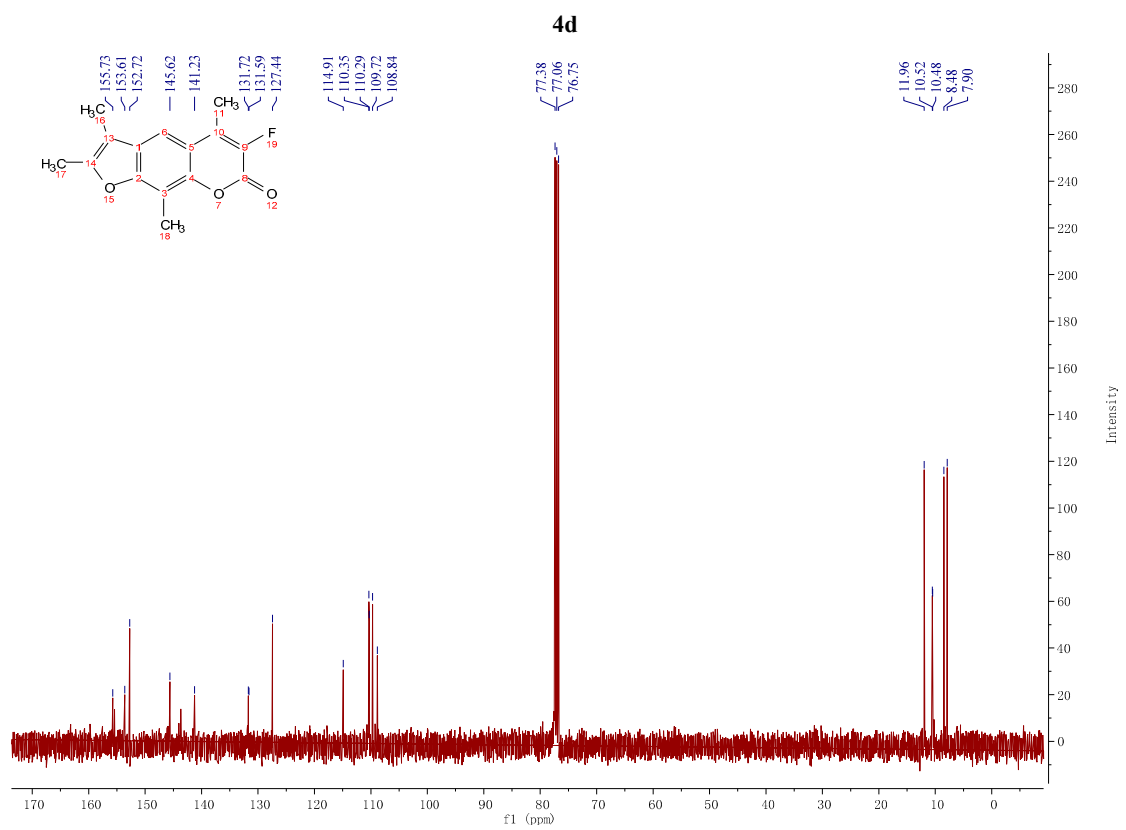
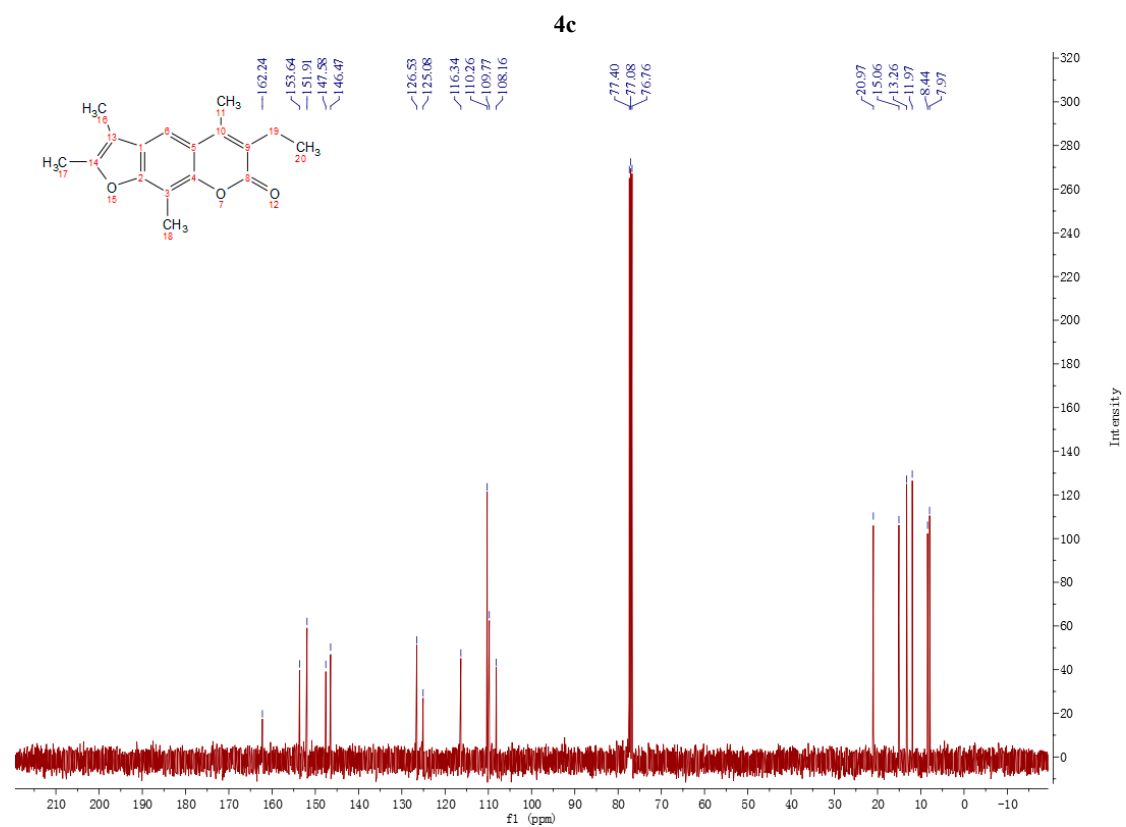


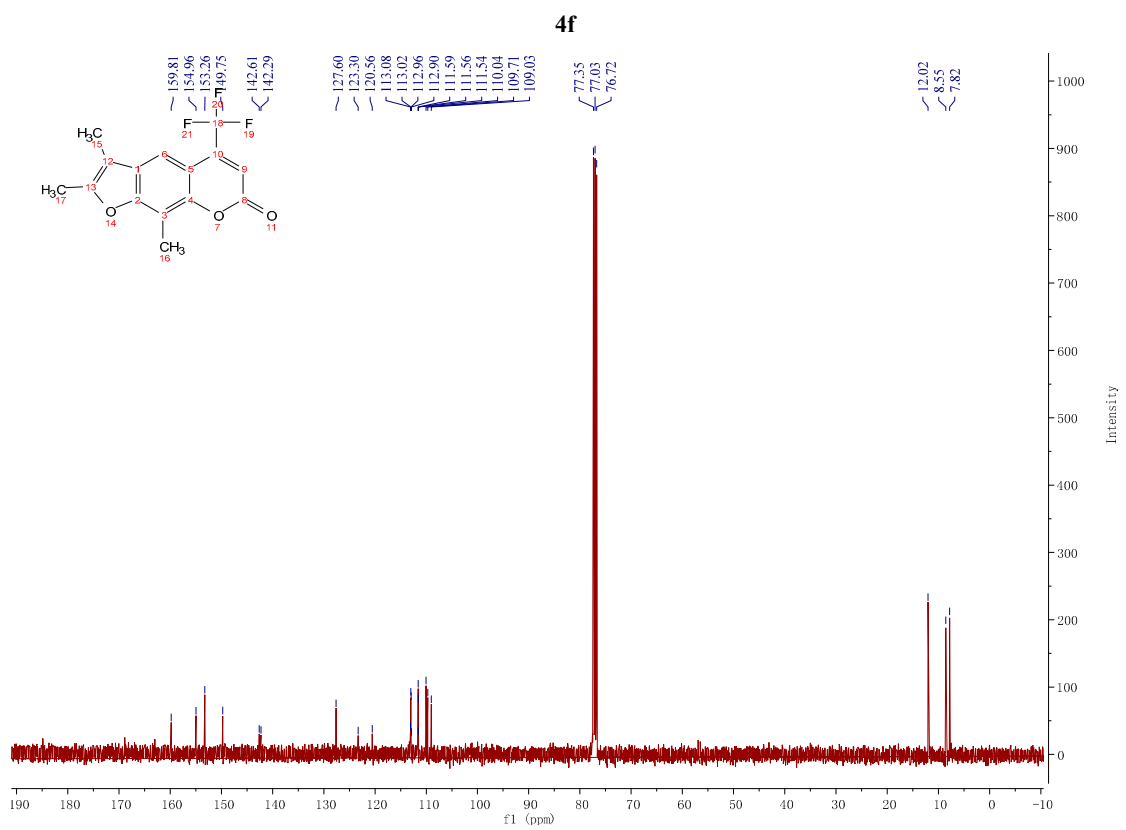
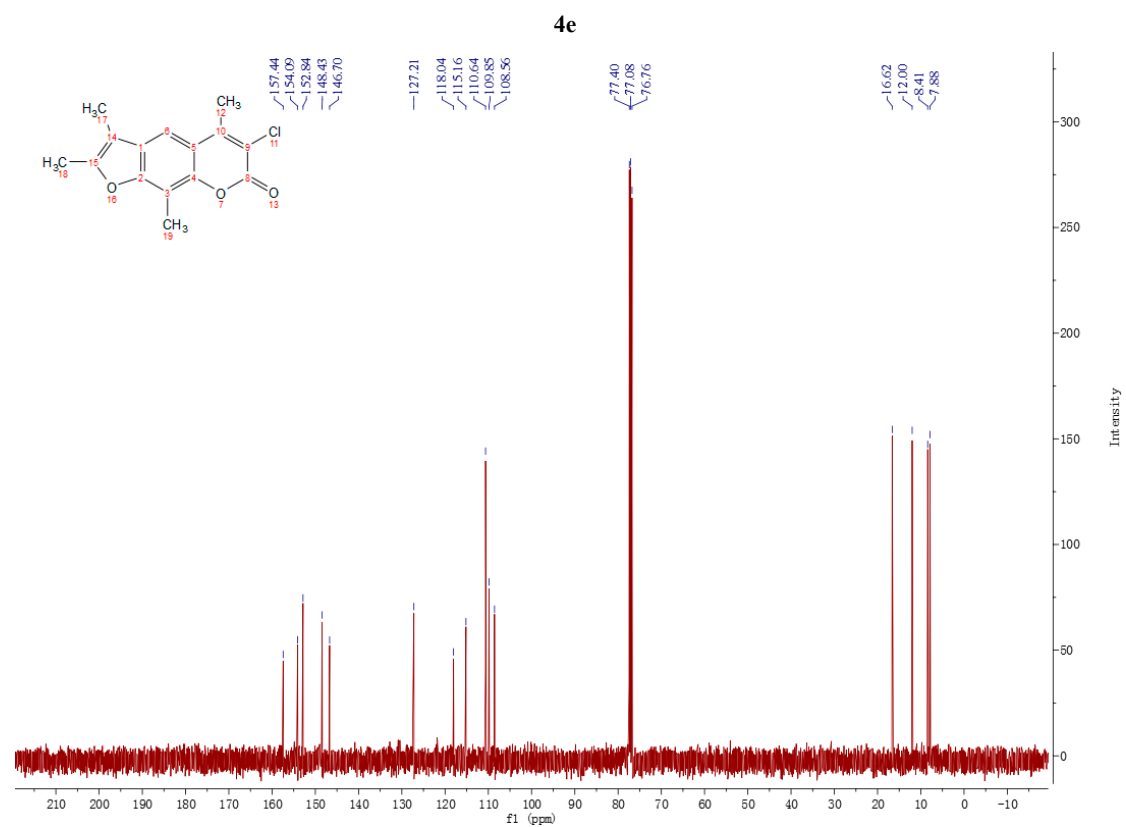
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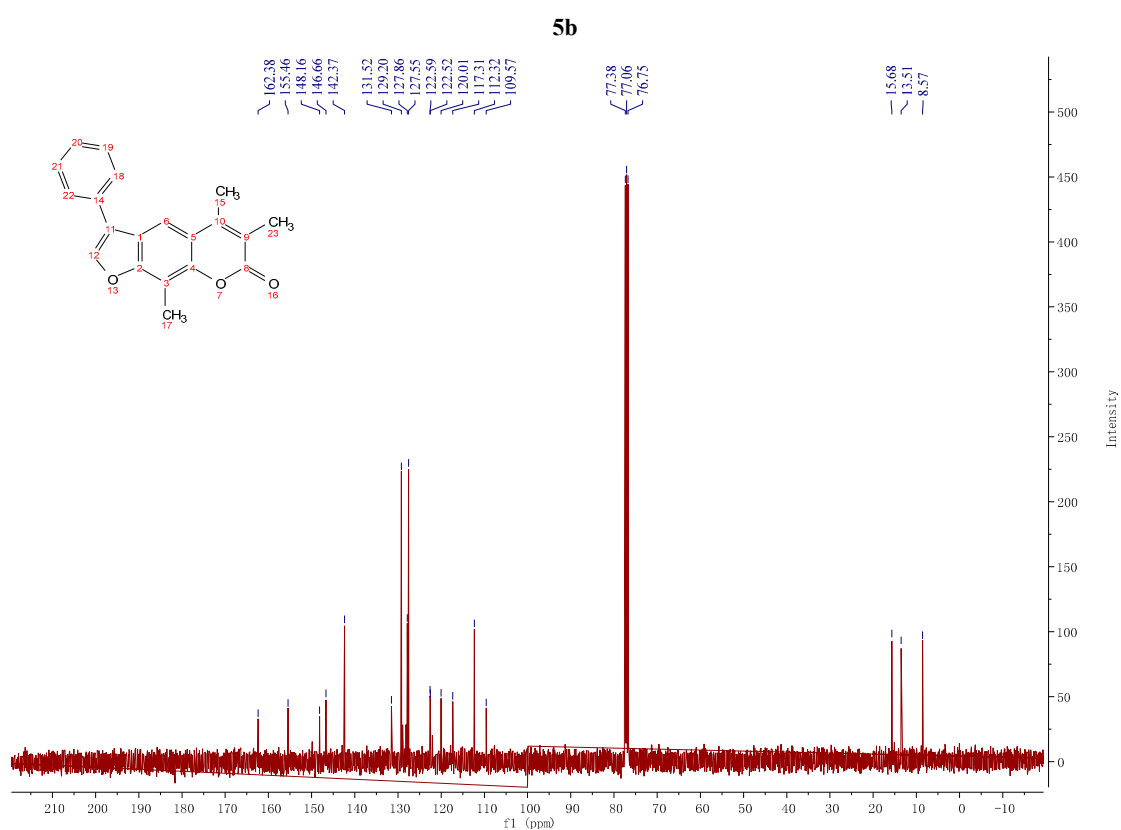
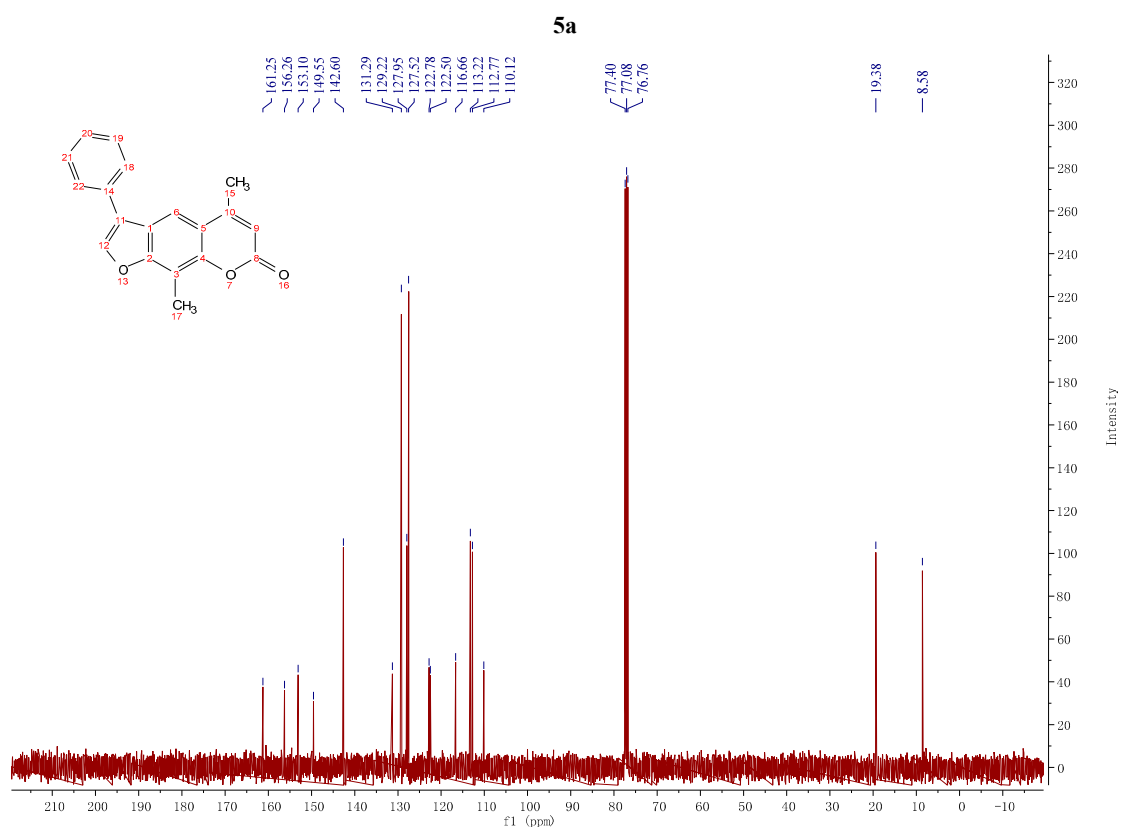


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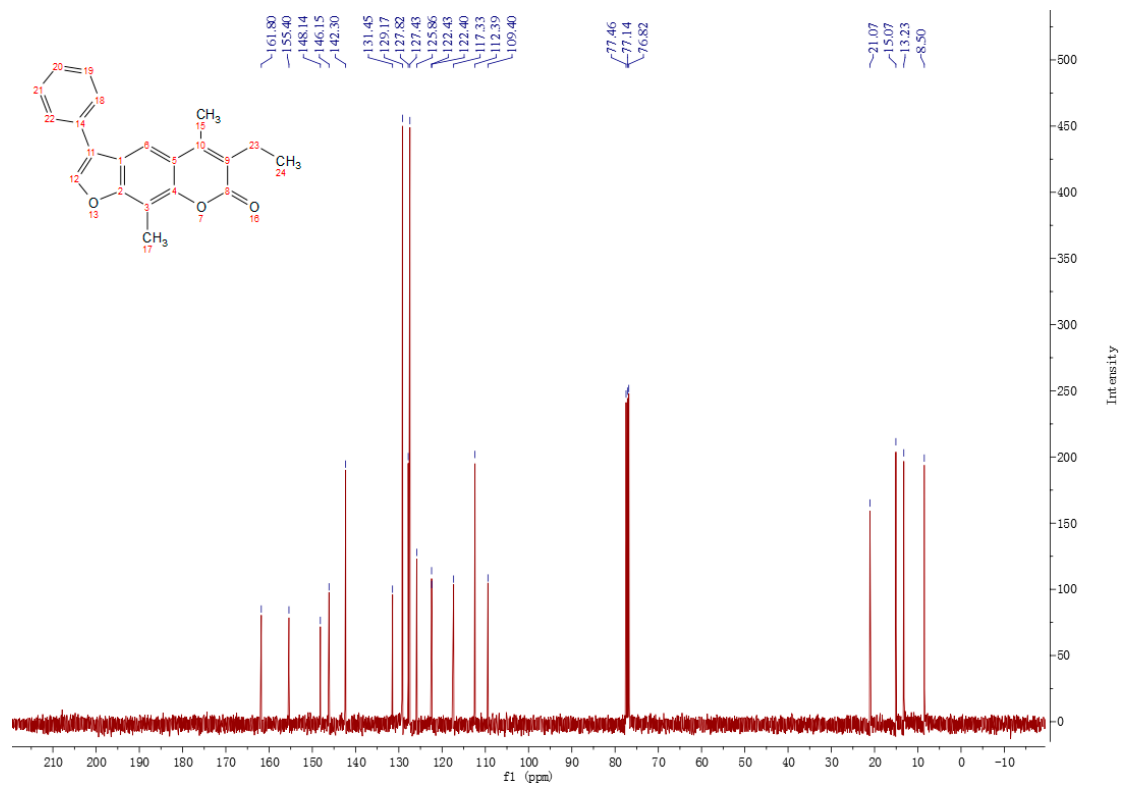




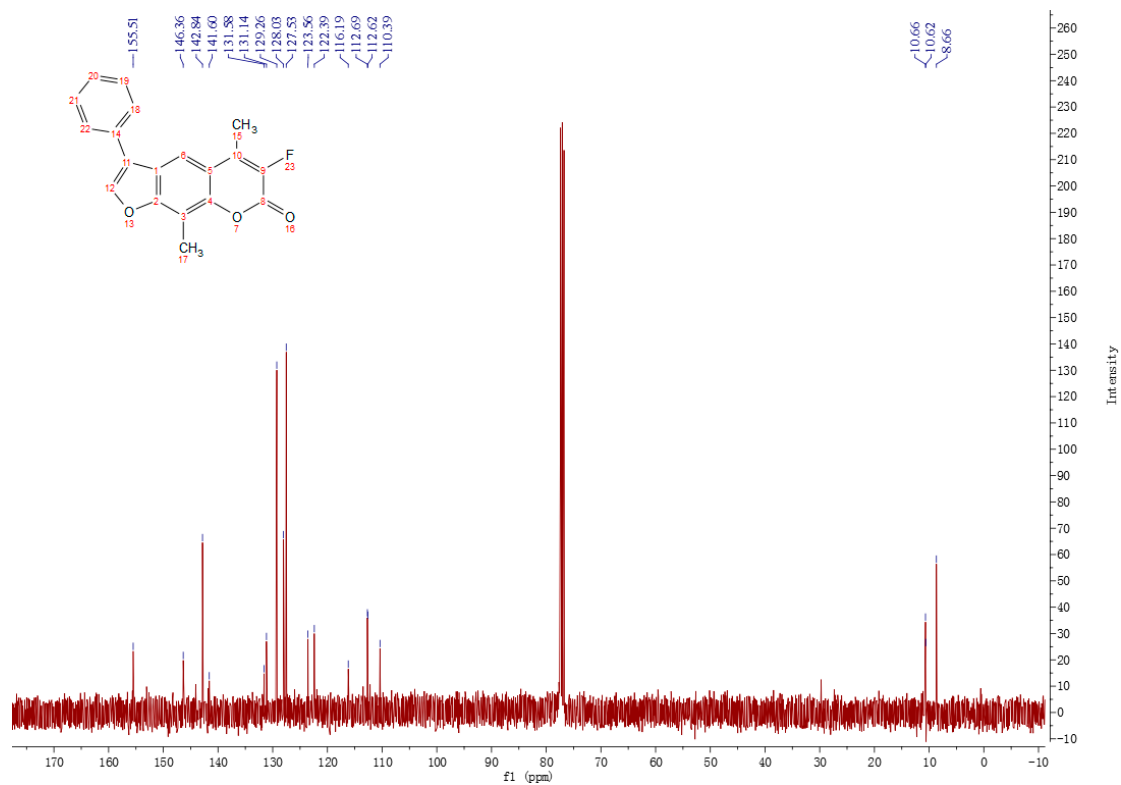




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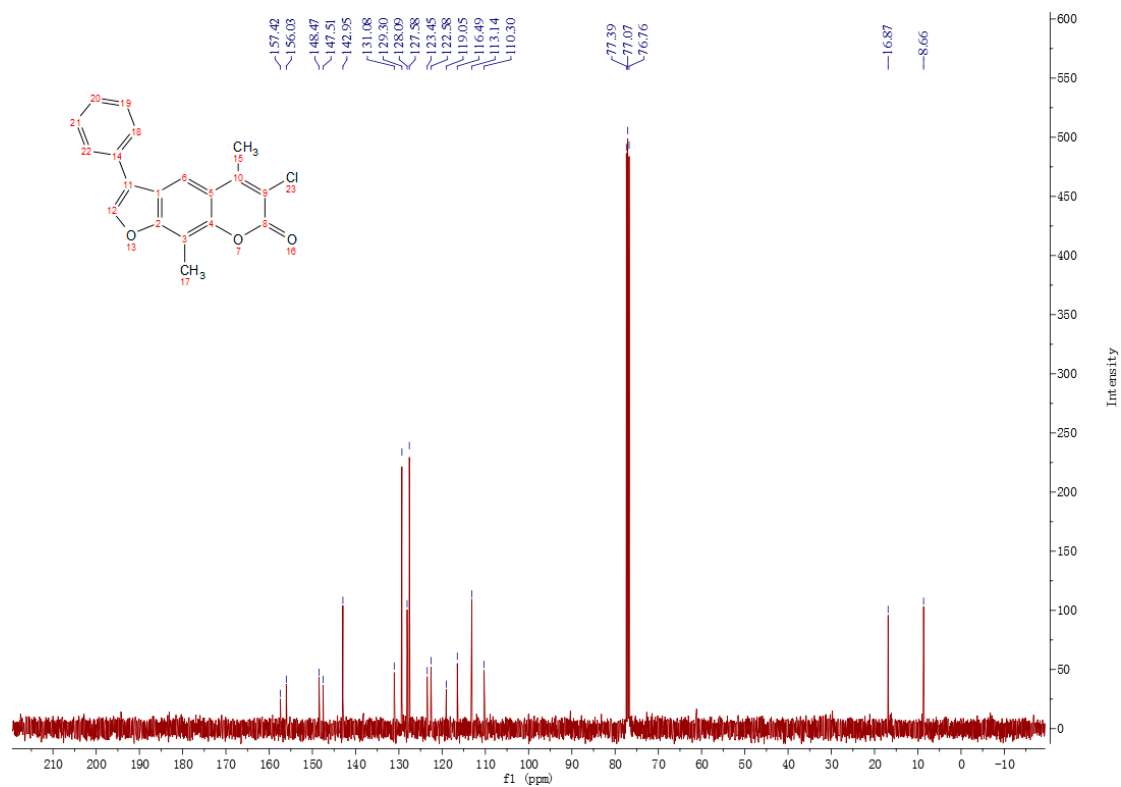


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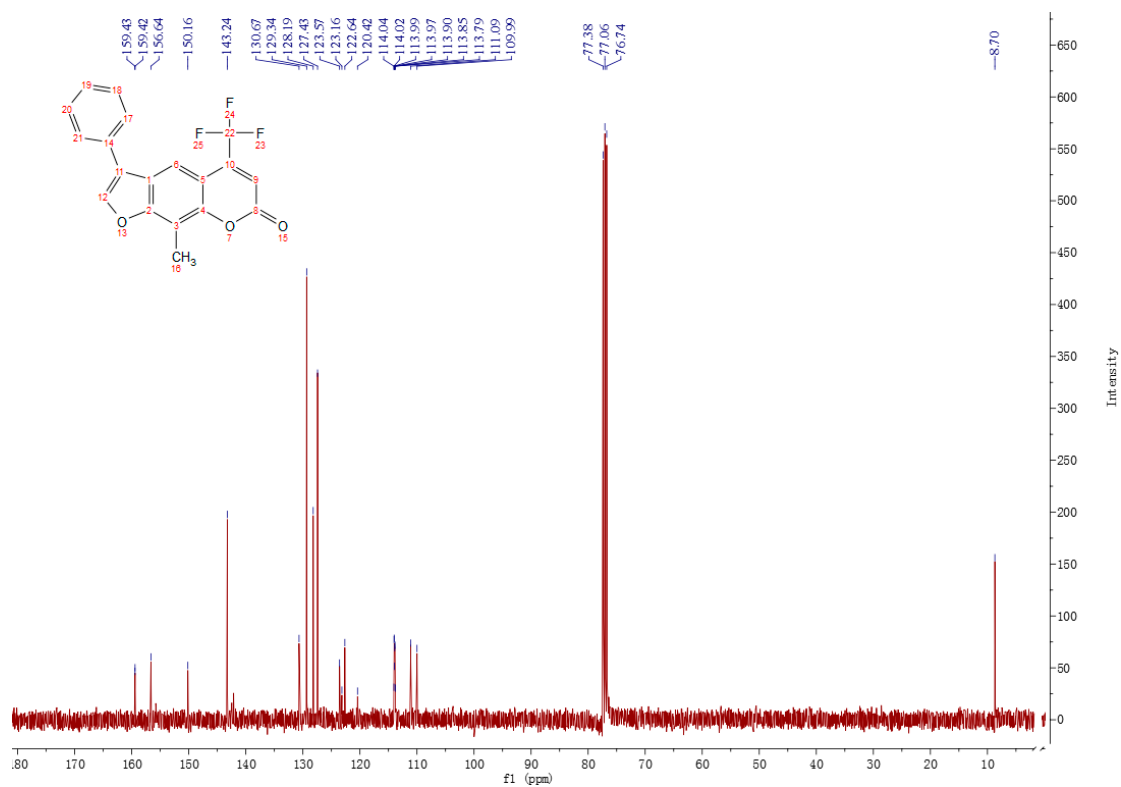


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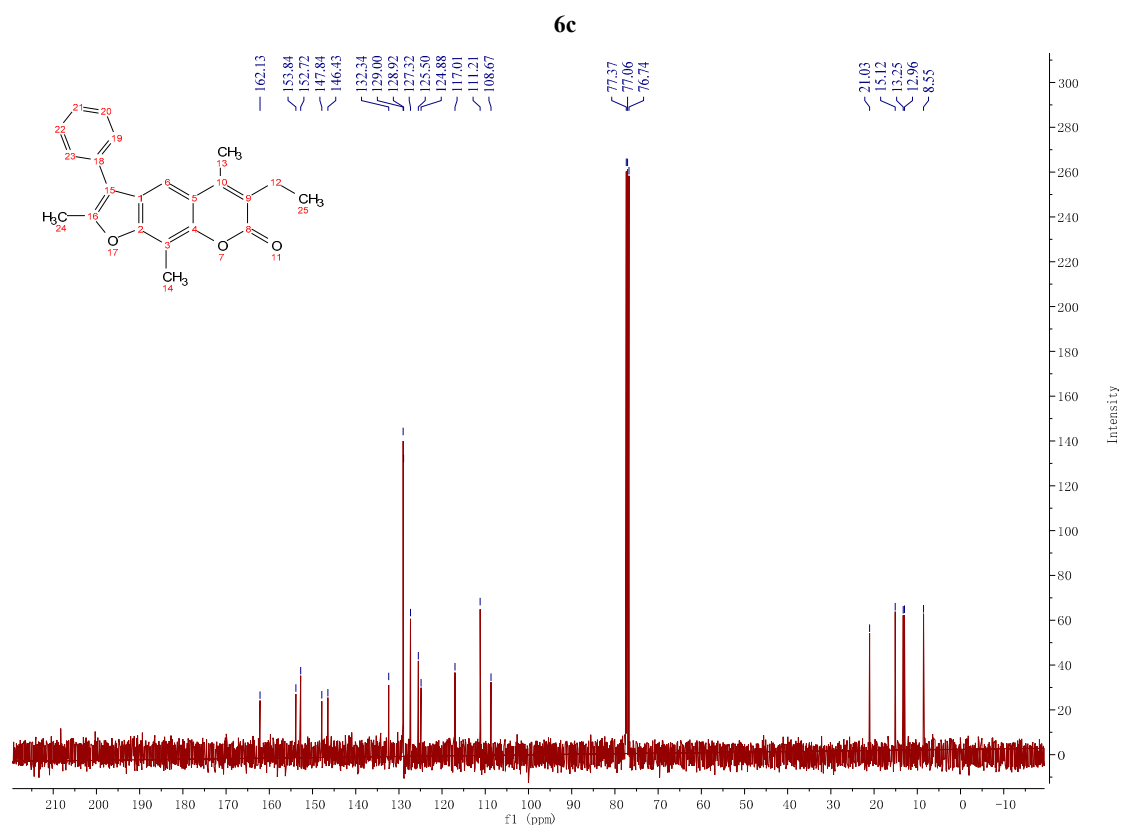
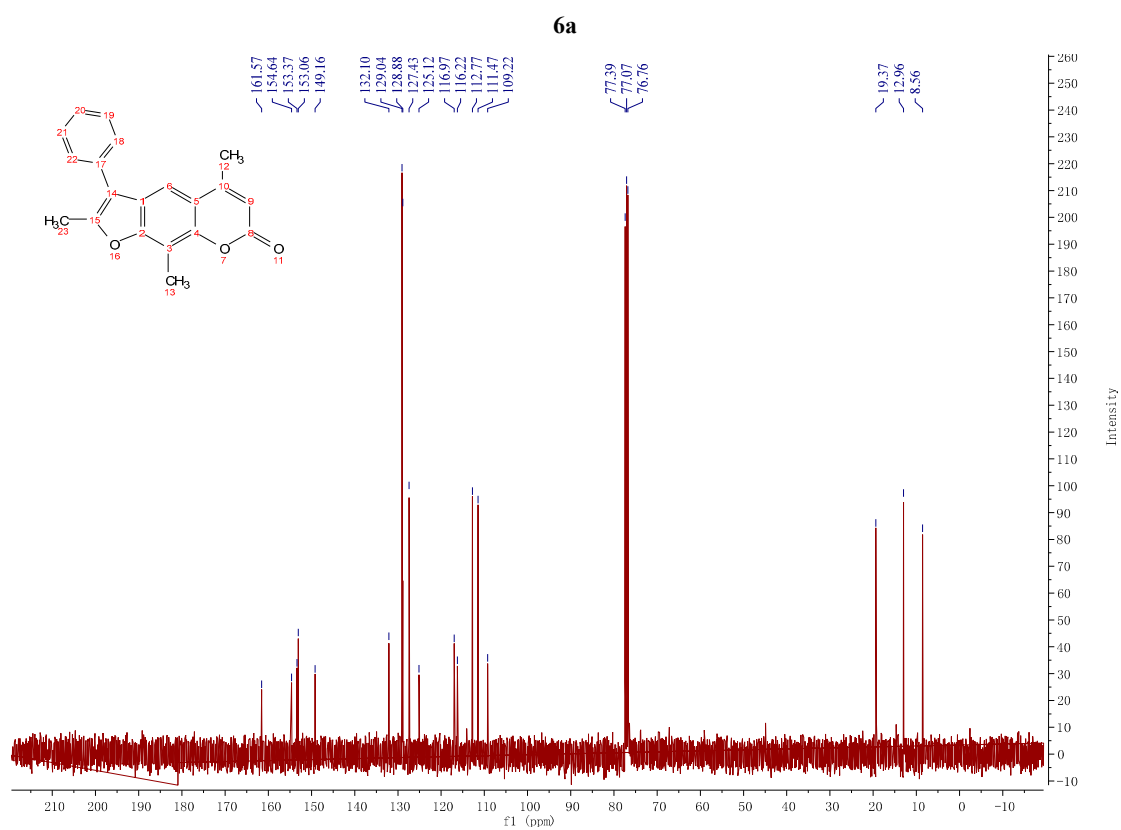
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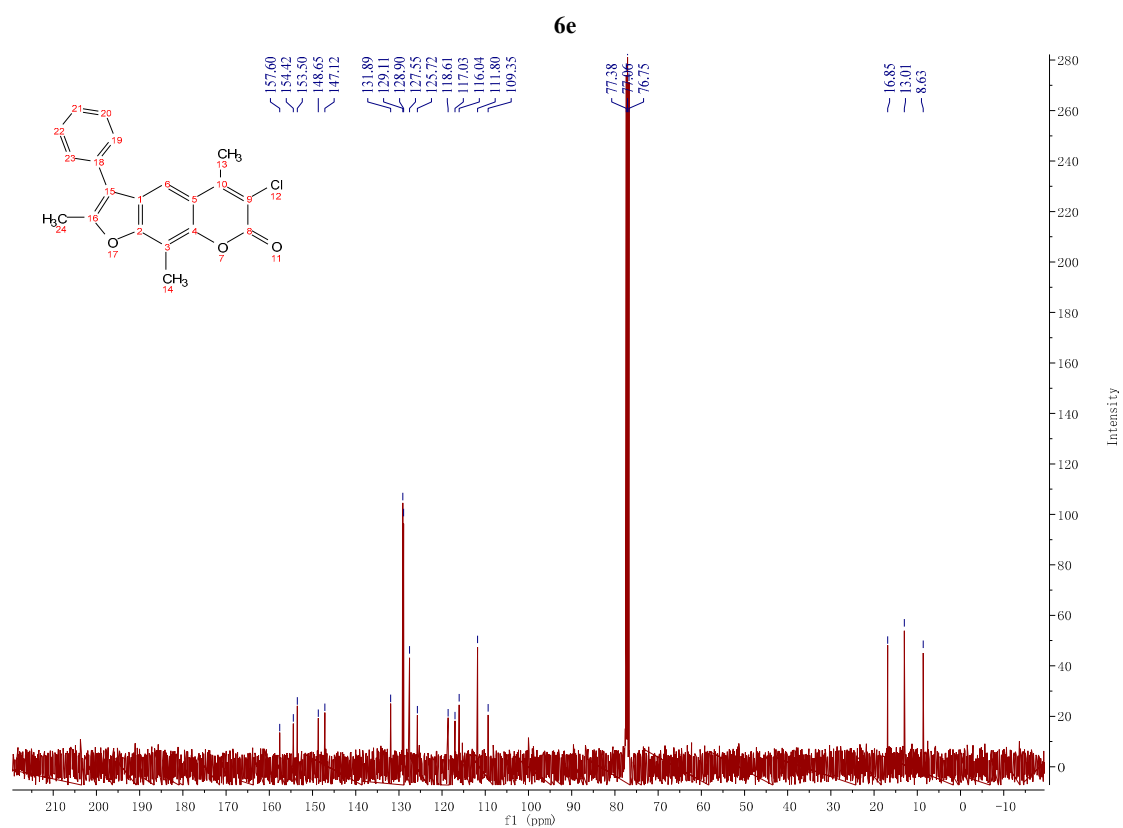
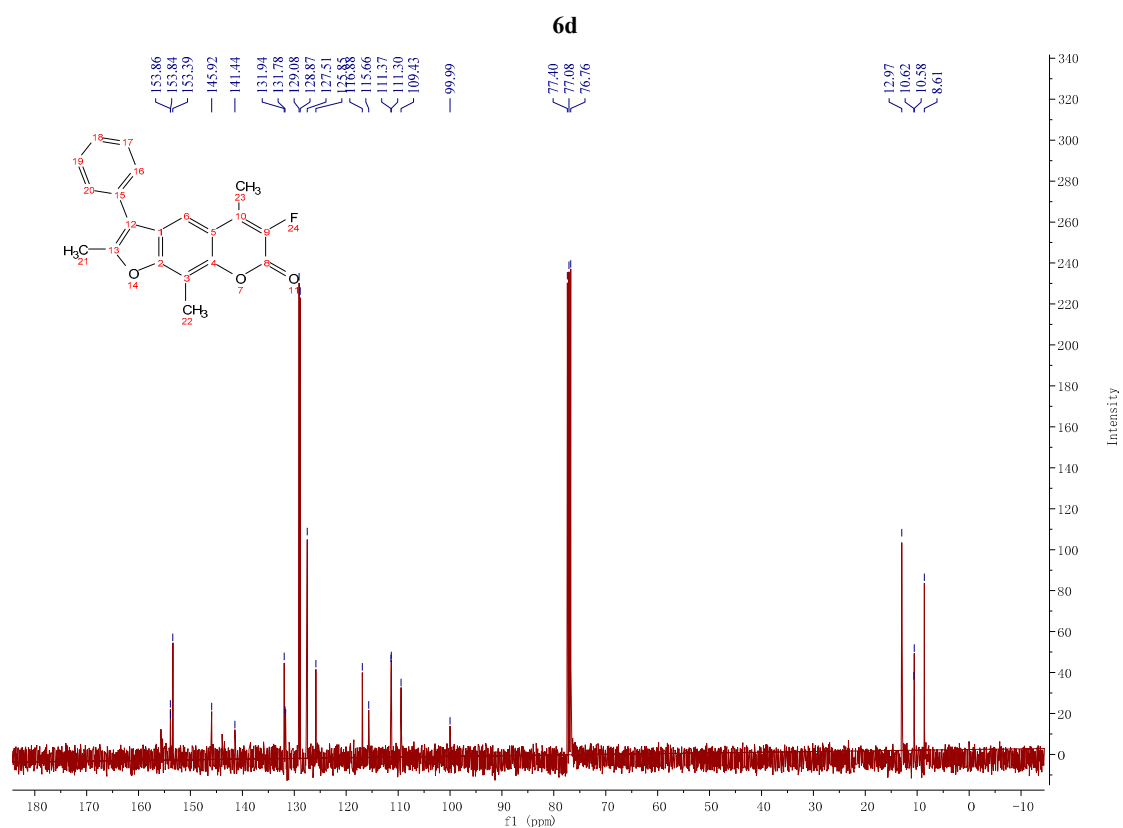


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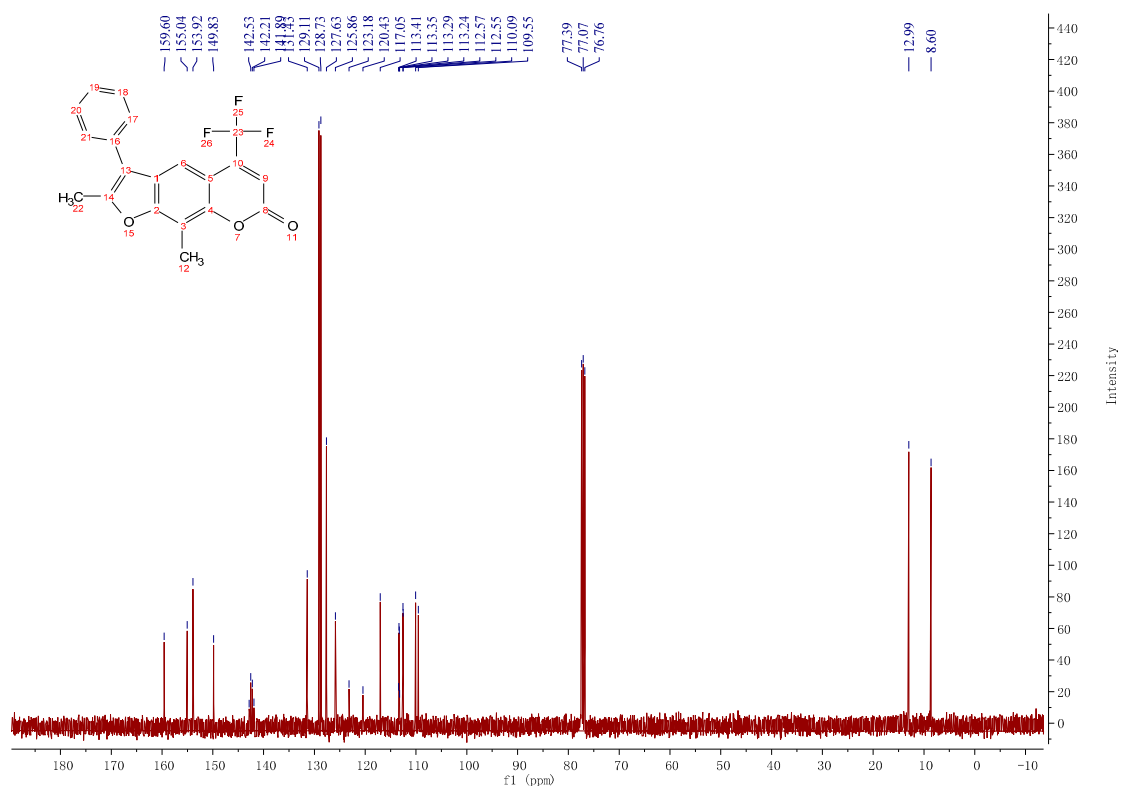


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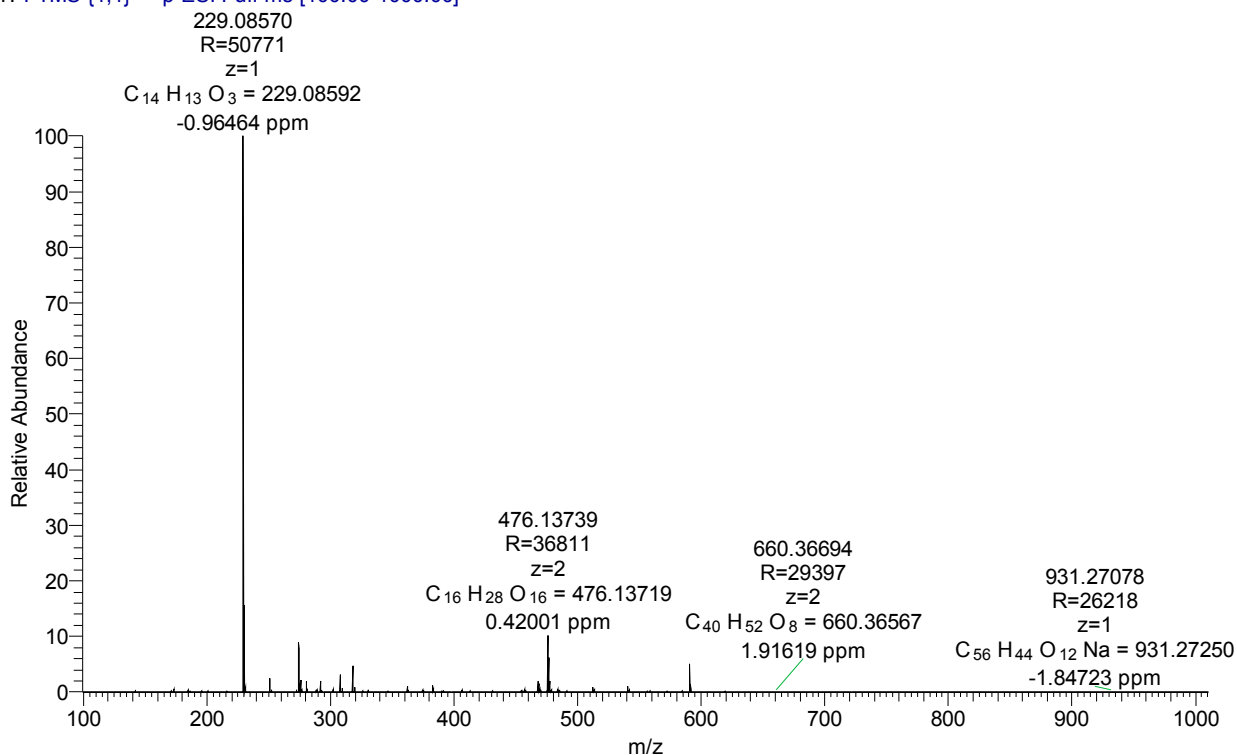
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2. HRMS Spectra of New Compounds

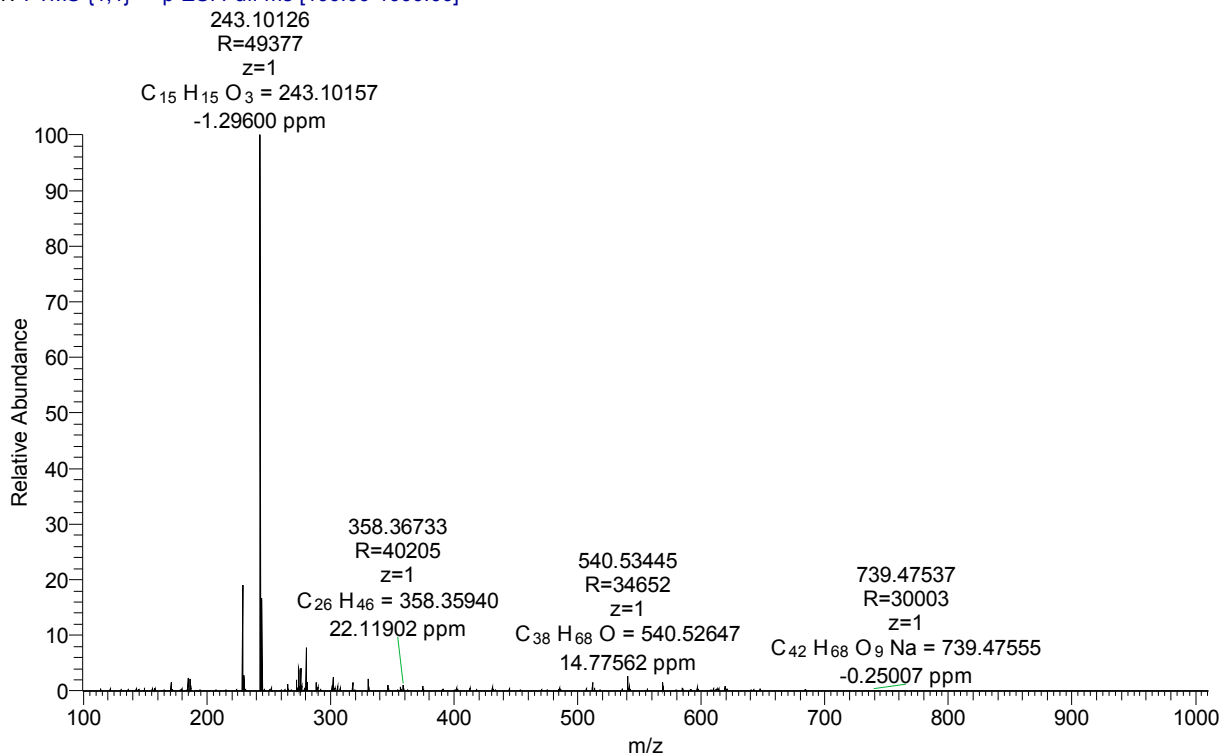
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1 #47-49 RT: 0.41-0.42 AV: 3 NL: 2.92E6
T: FTMS {1,1} + p ESI Full ms [100.00-1000.00]



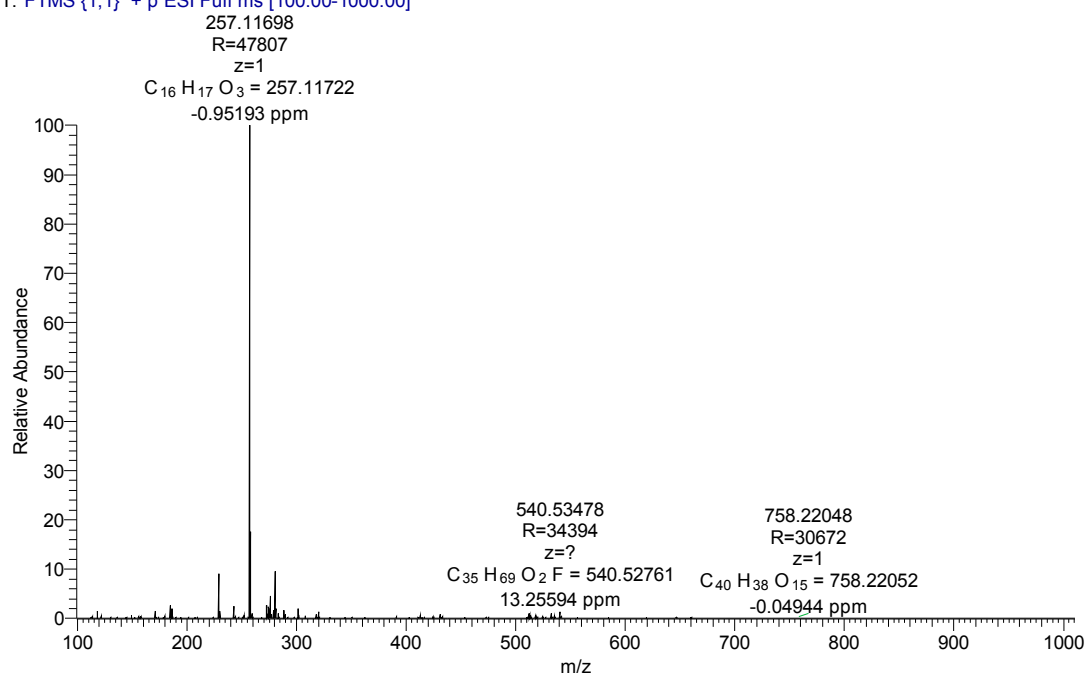
3b

2 #56-57 RT: 0.49-0.50 AV: 2 NL: 1.59E6
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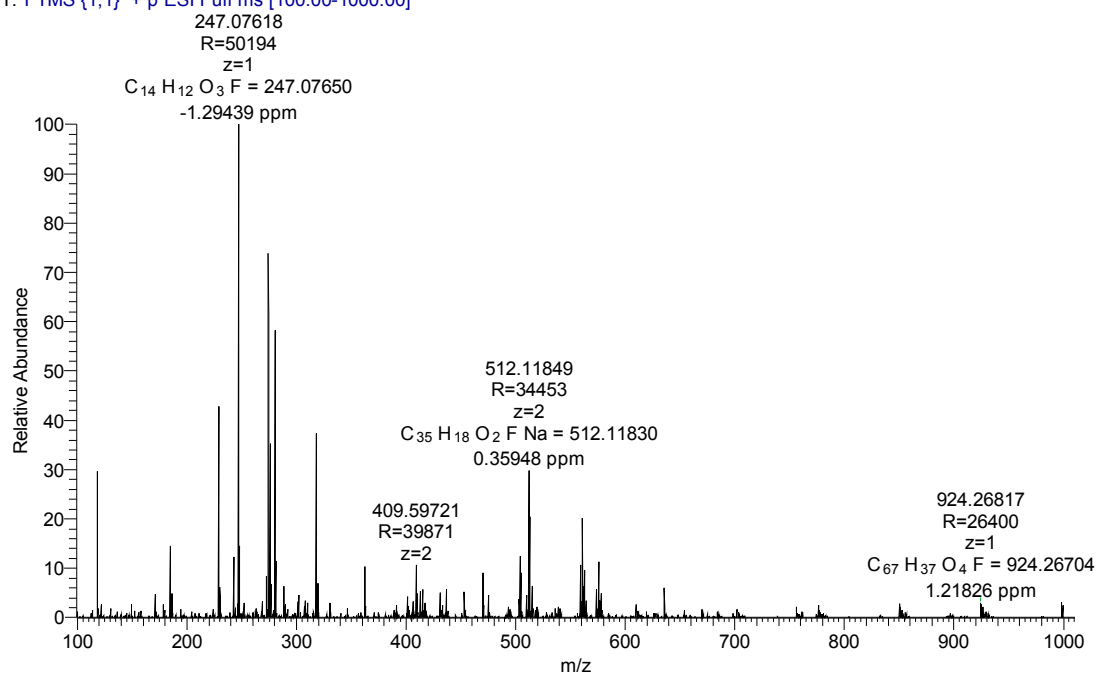
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6 #58-59 RT: 0.53-0.54 AV: 2 NL: 1.31E6
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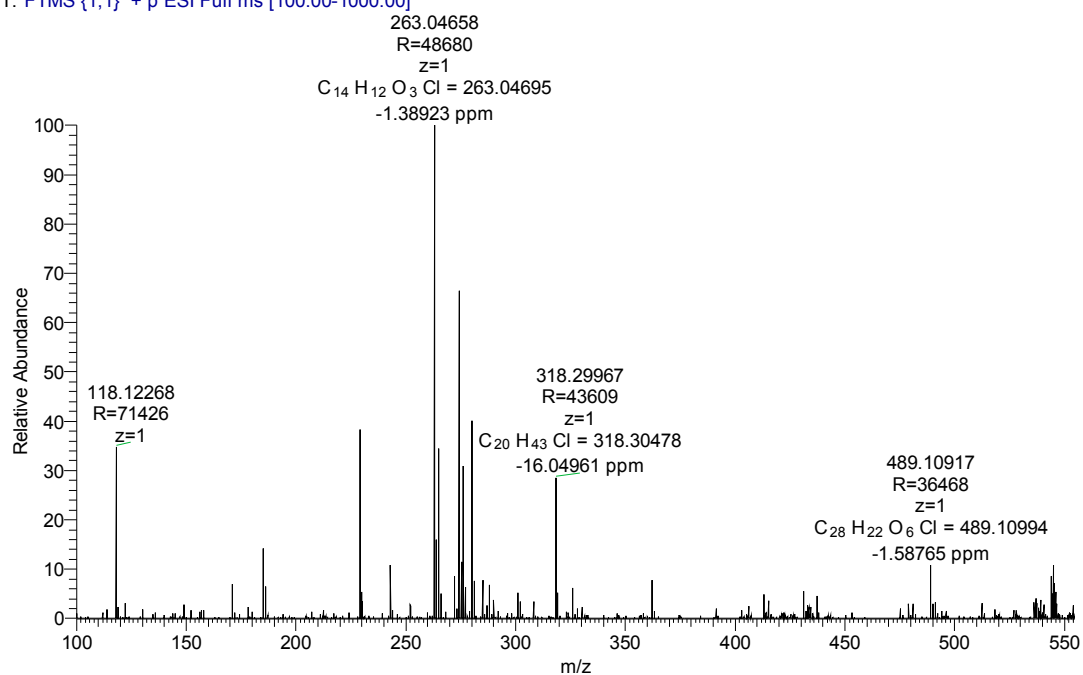
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4 #39-40 RT: 0.36-0.37 AV: 2 NL: 1.82E5
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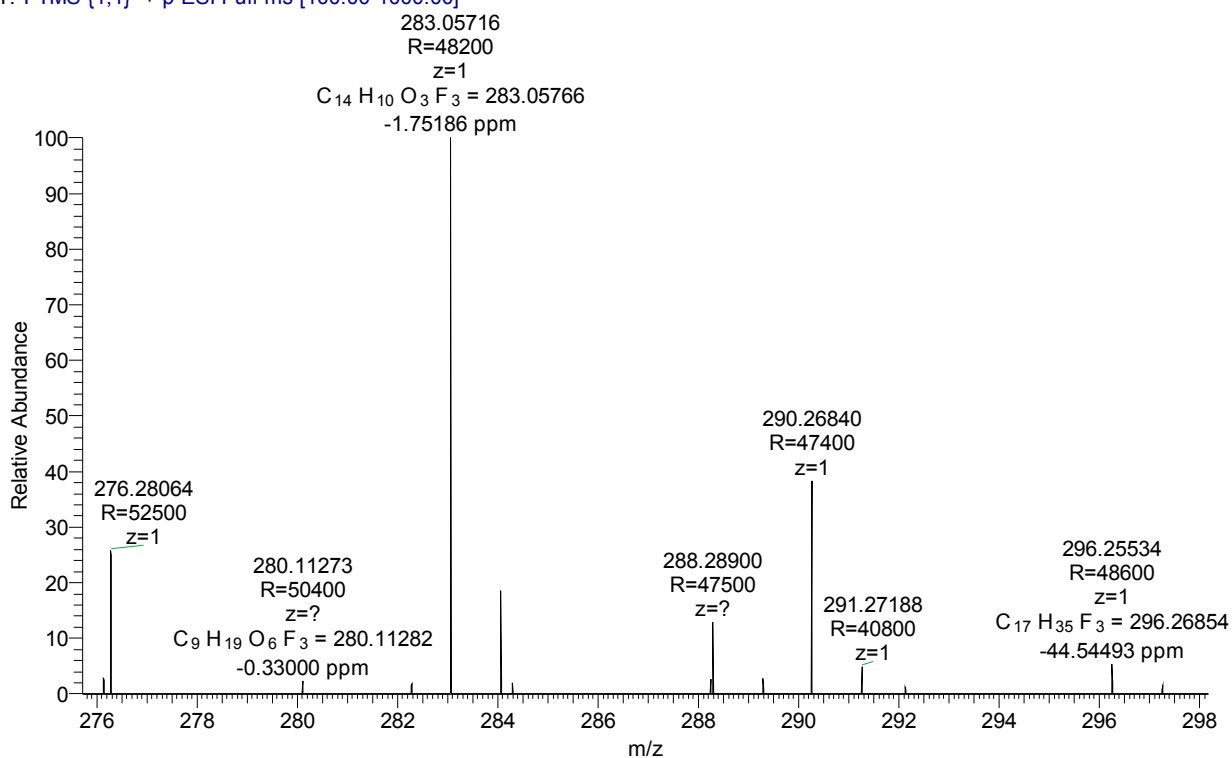
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3 #42-43 RT: 0.37-0.38 AV: 2 NL: 1.75E5
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3f

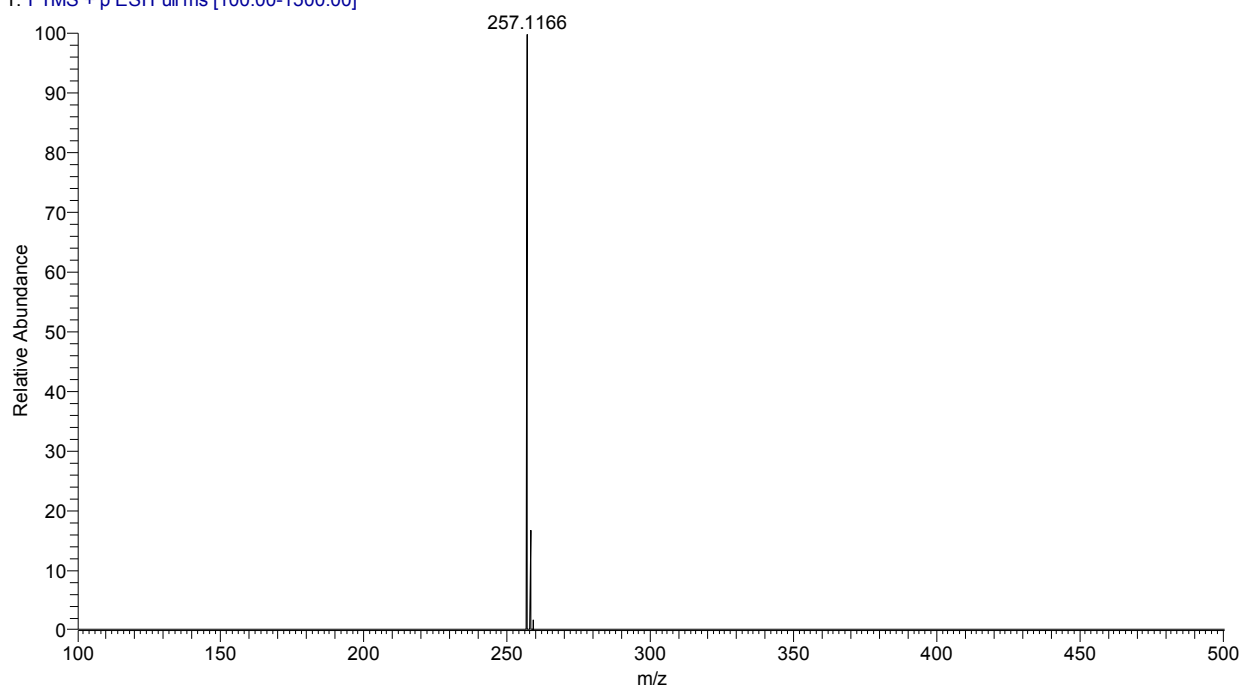
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S28

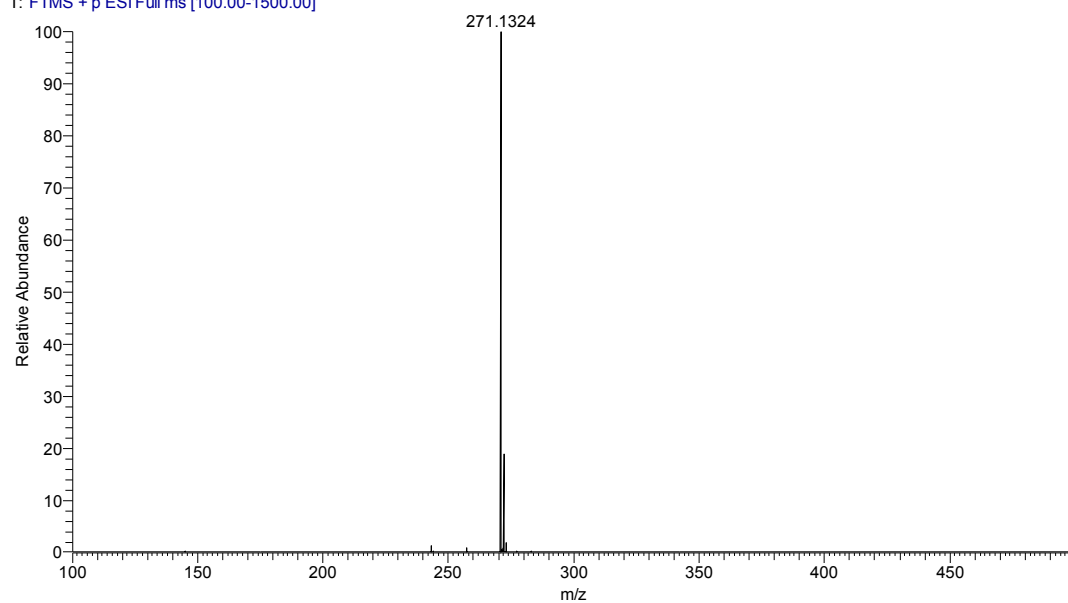
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35_151105153452 #481 RT: 5.11 AV: 1 NL: 1.56E10
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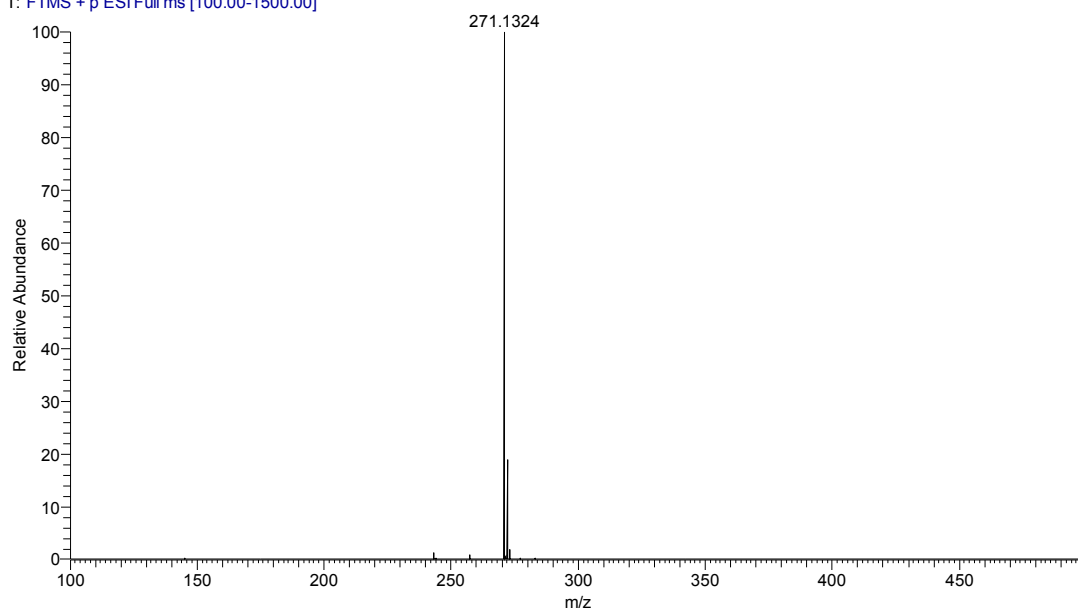
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36_151105154325 #533 RT: 5.63 AV: 1 NL: 9.96E8
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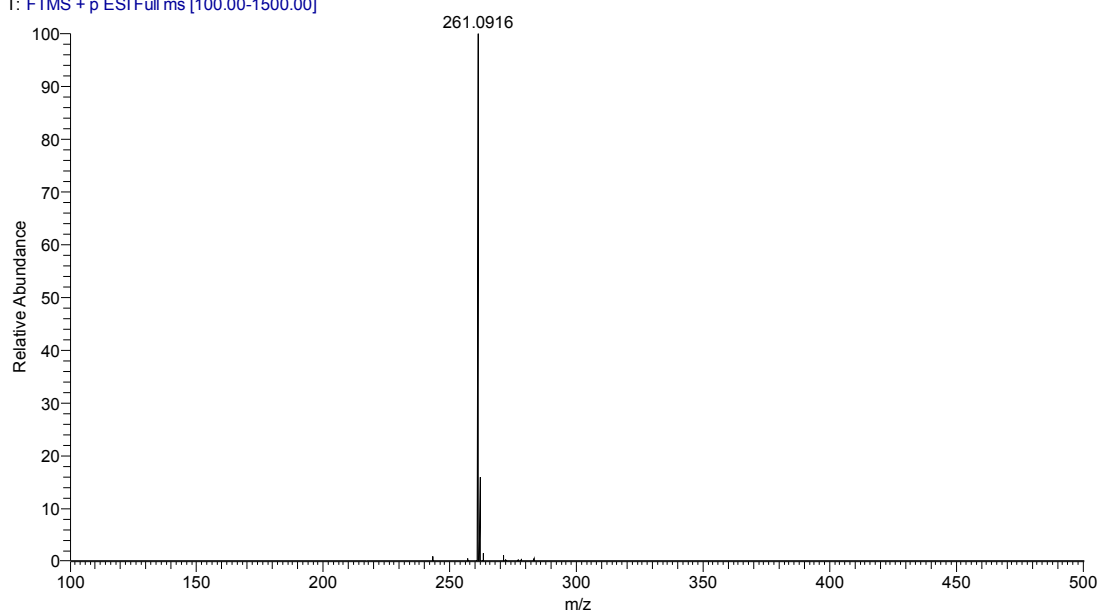
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4d

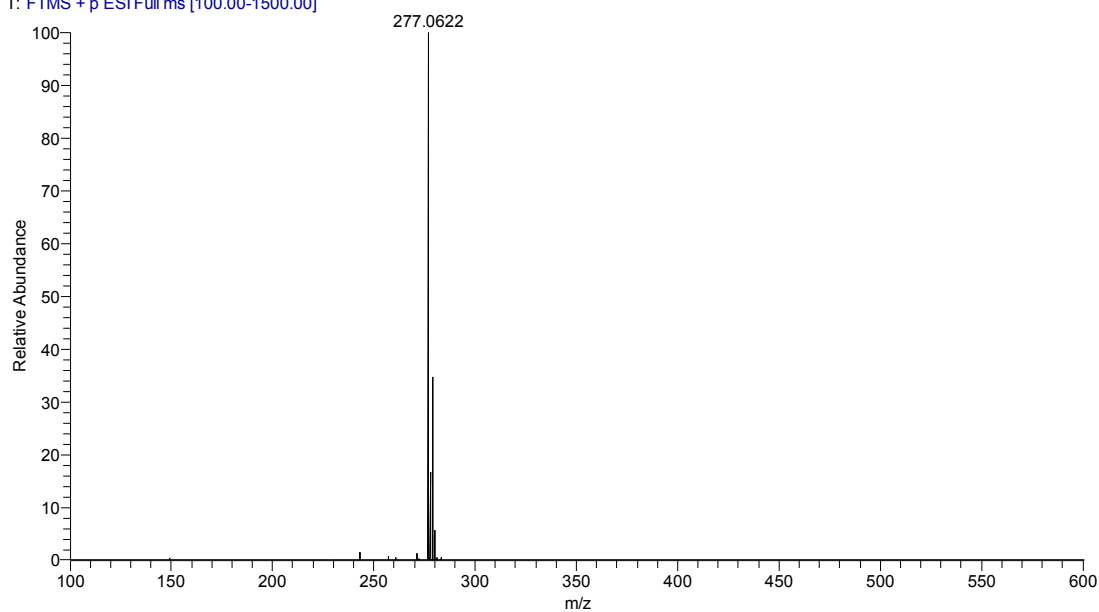
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S30

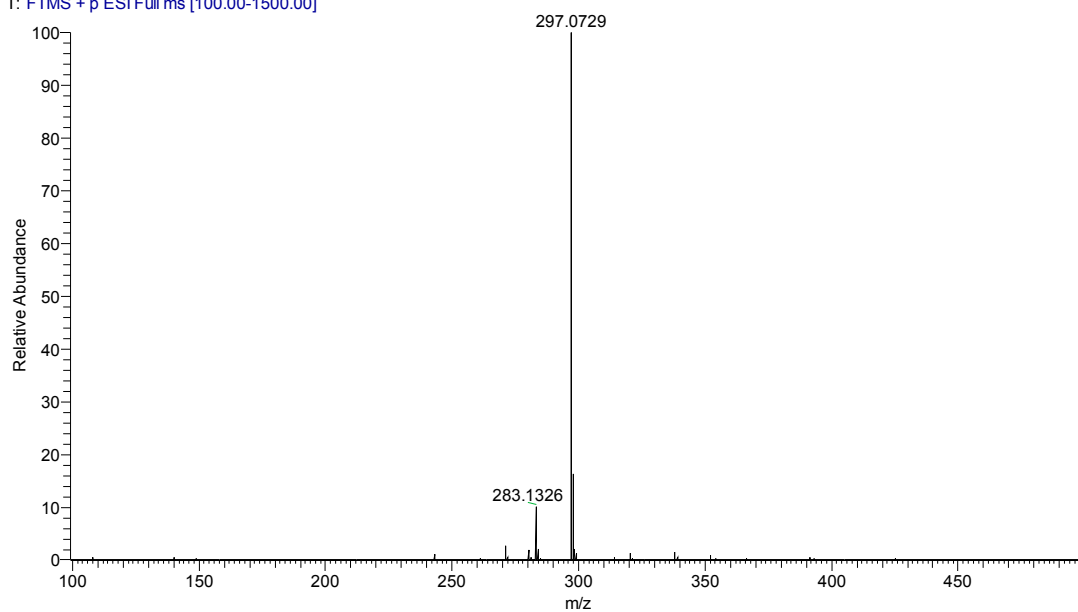
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4f

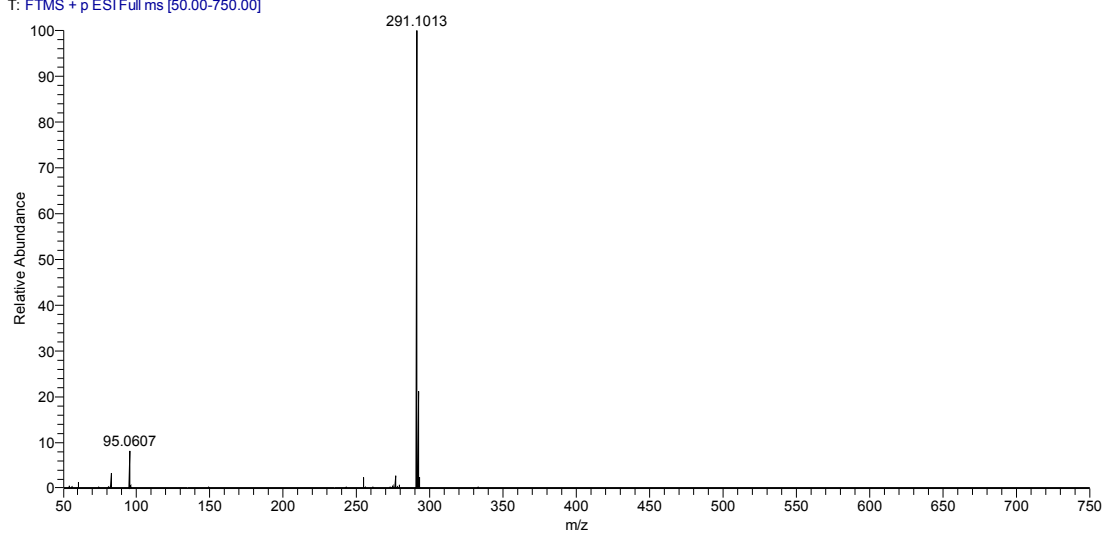
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S31

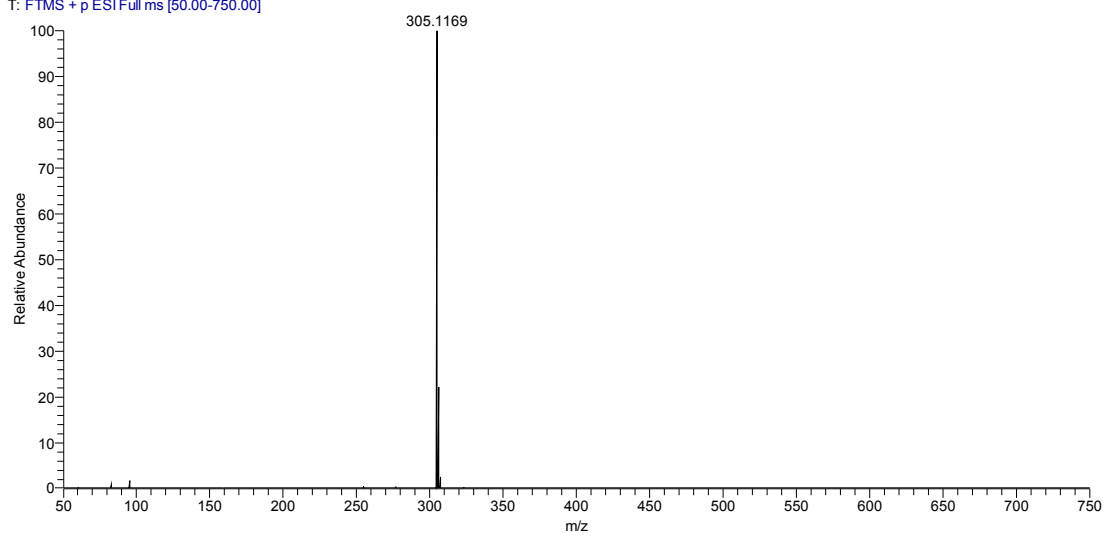
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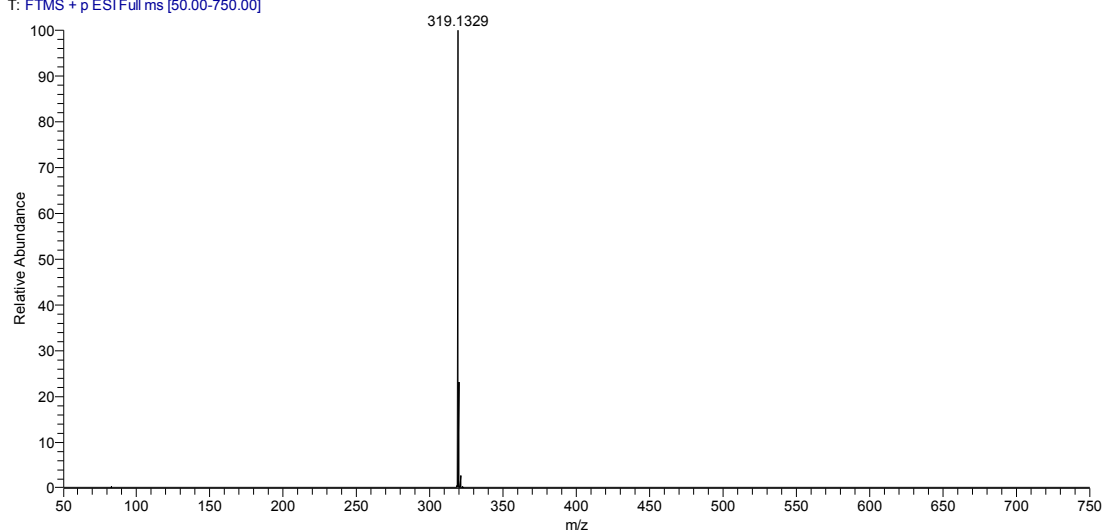
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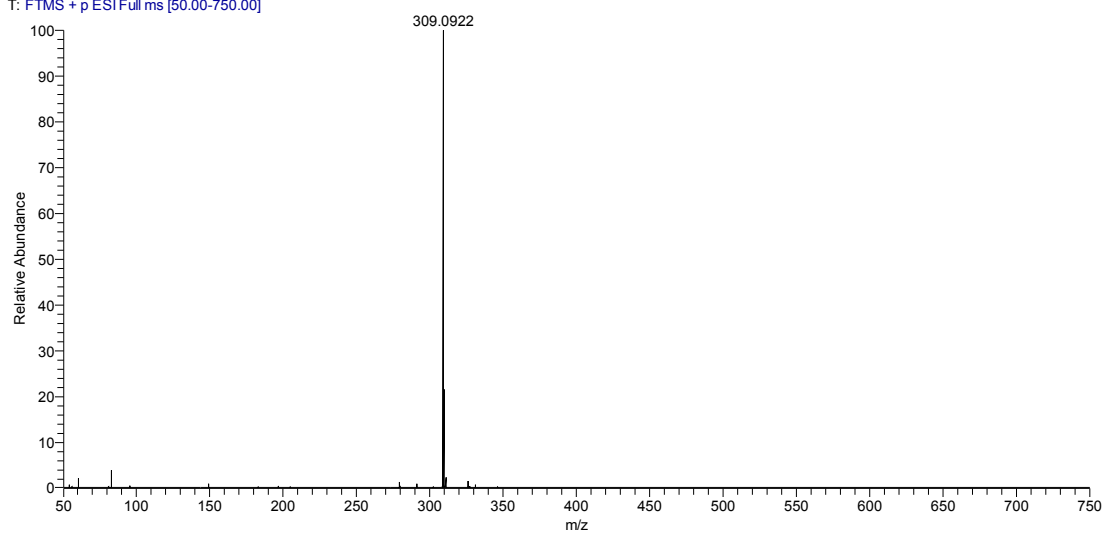
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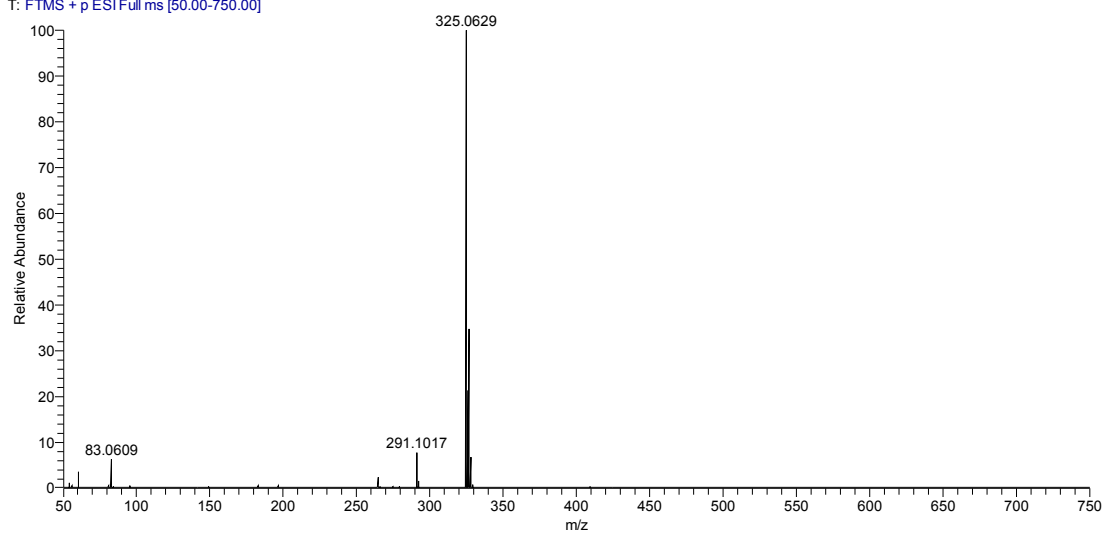
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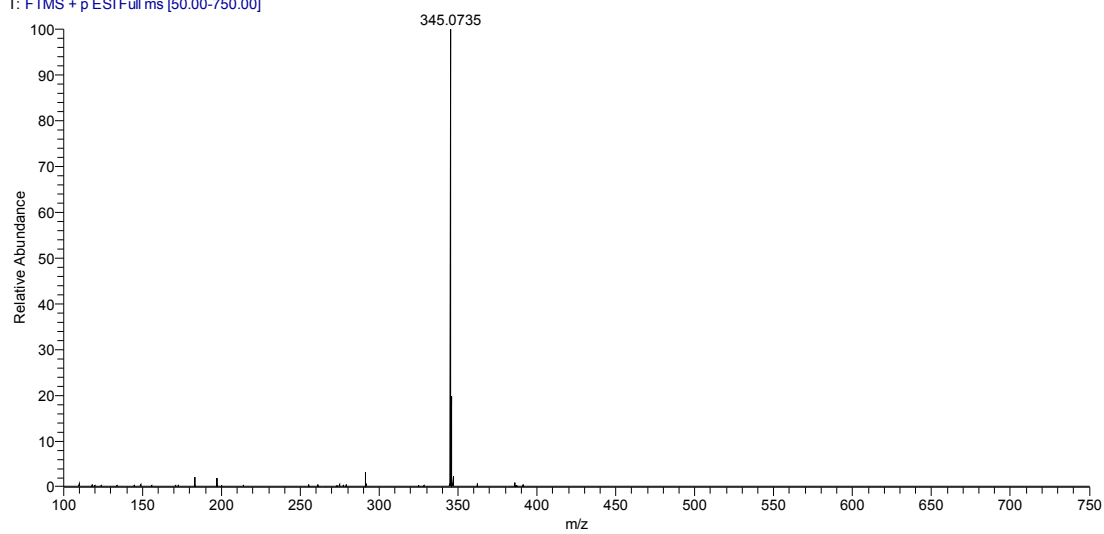
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31 #479 RT: 5.28 AV: 1 NL: 4.31E8
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5f

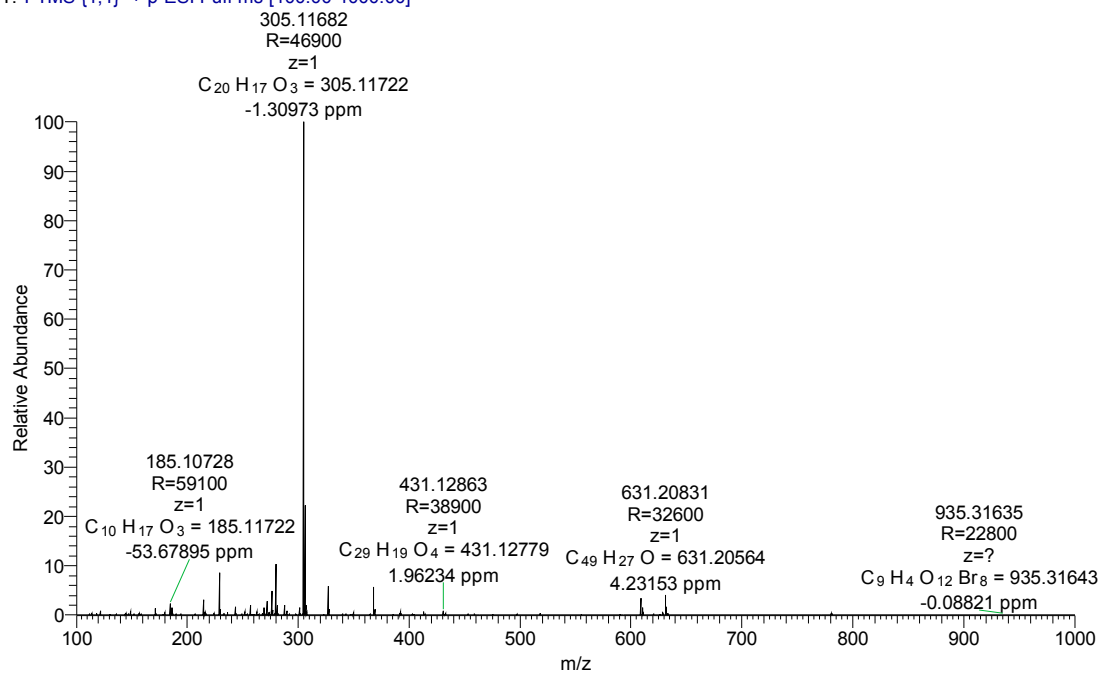
32 #481 RT: 5.35 AV: 1 NL: 1.62E8
T: FTMS + p ESI Full ms [50.00-750.00]



S34

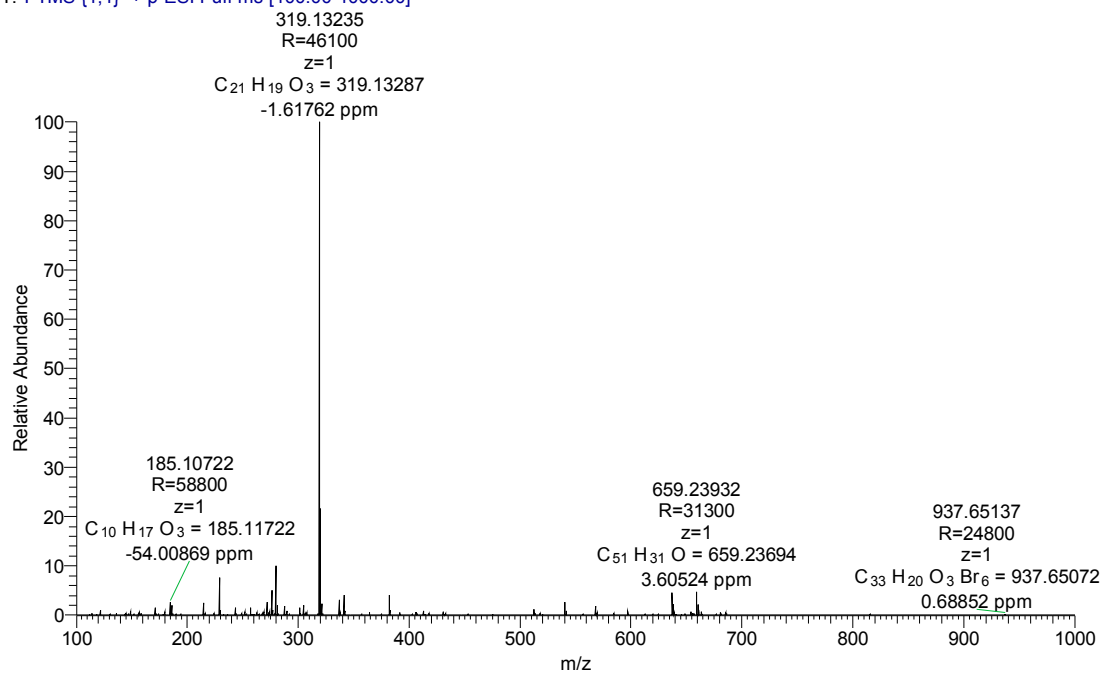
6a

18 #63 RT: 0.57 AV: 1 NL: 1.42E6
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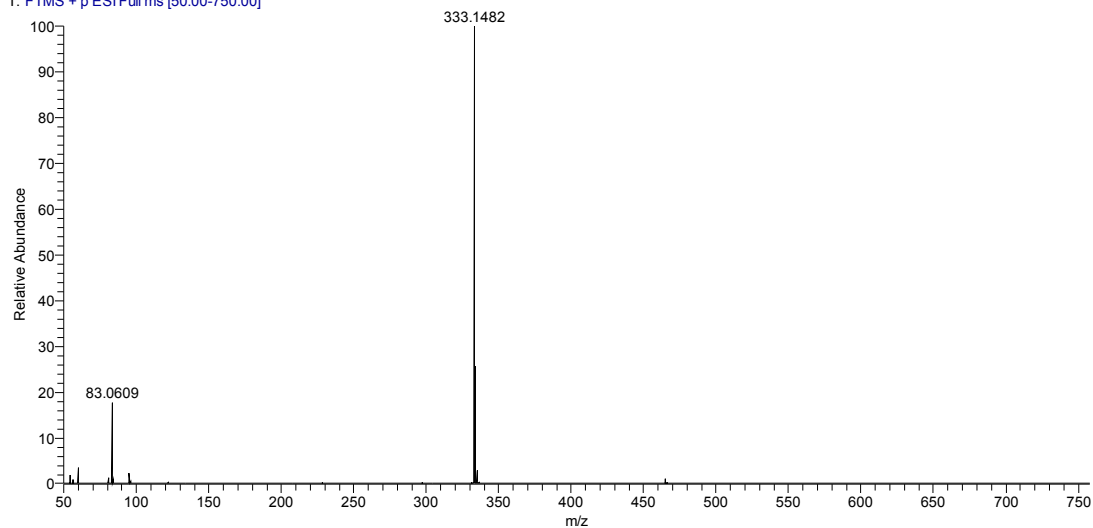
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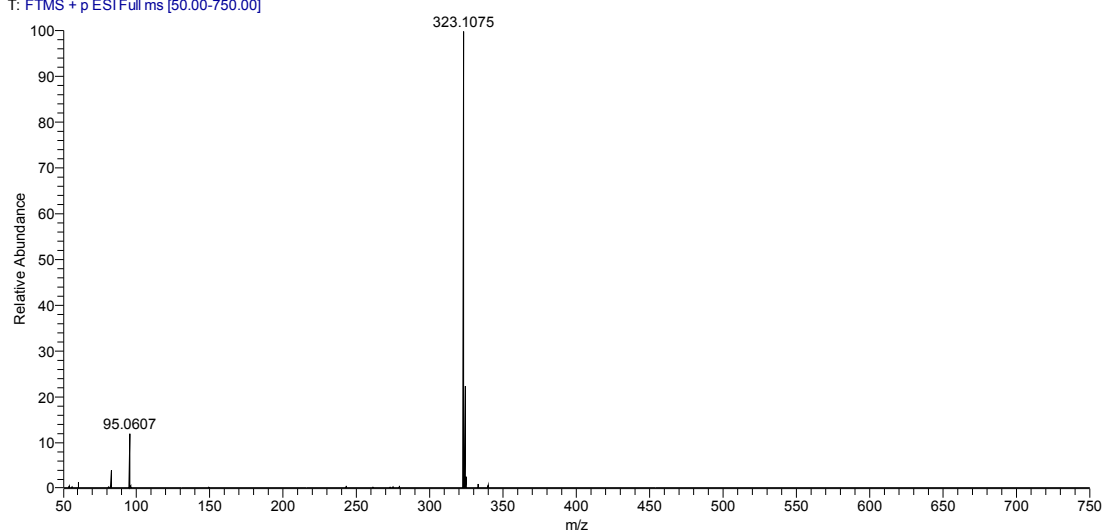
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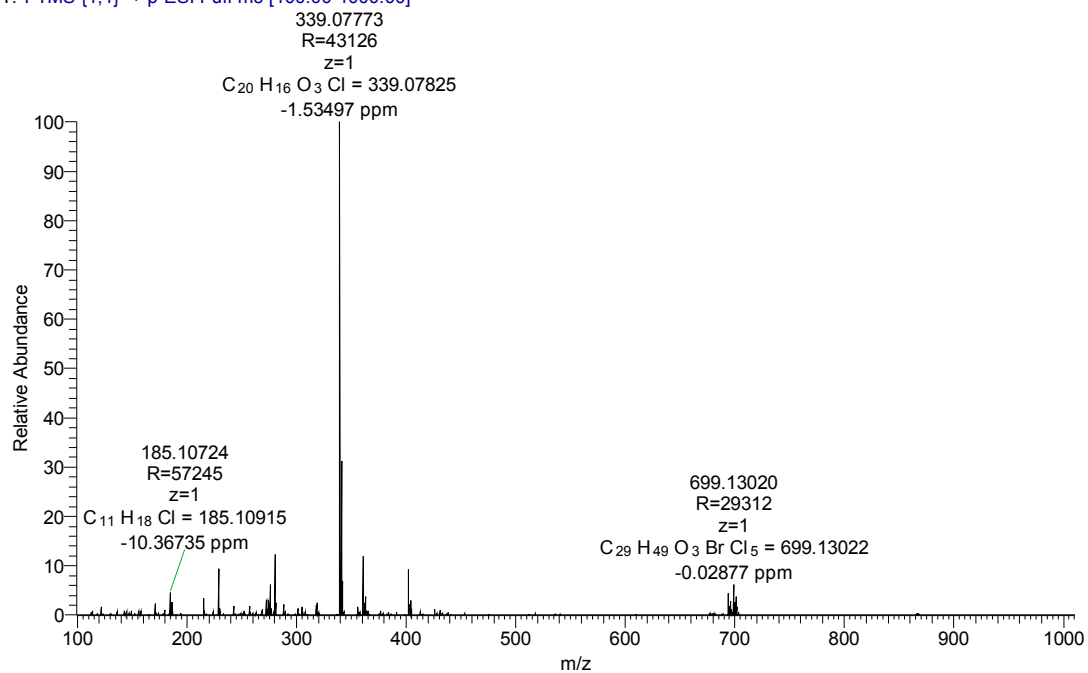
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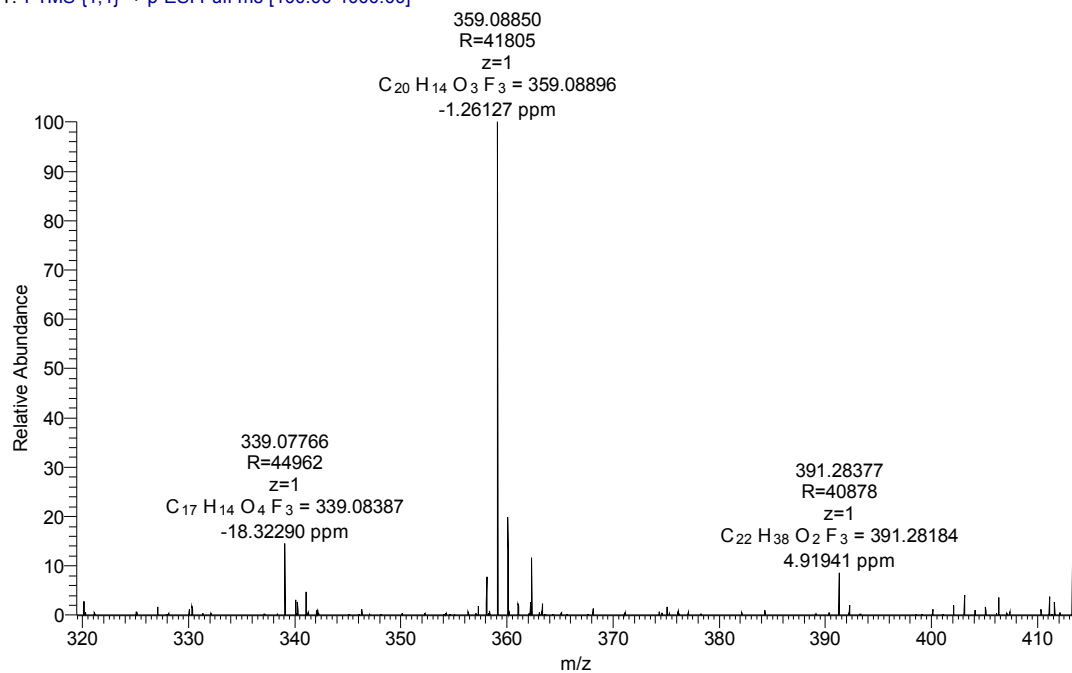
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21 #47-48 RT: 0.41-0.42 AV: 2 NL: 8.49E5
T: FTMS {1,1} + p ESI Full ms [100.00-1000.00]



6f

22 #37-38 RT: 0.36-0.37 AV: 2 NL: 6.66E4
T: FTMS {1,1} + p ESI Full ms [100.00-1000.00]



S37