

Supporting Information

Catalyst-Free One-Pot Synthesis of Densely Substituted Pyrazole-Pyrazines as Anti-Colorectal Cancer Agents

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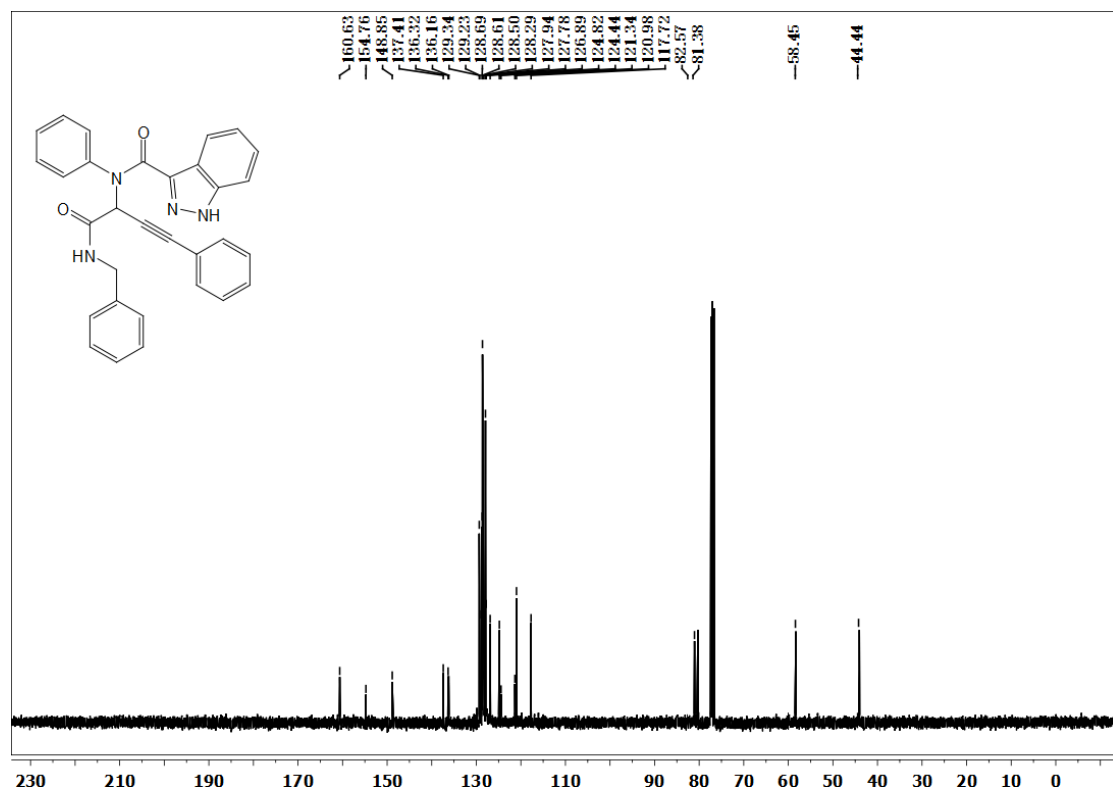
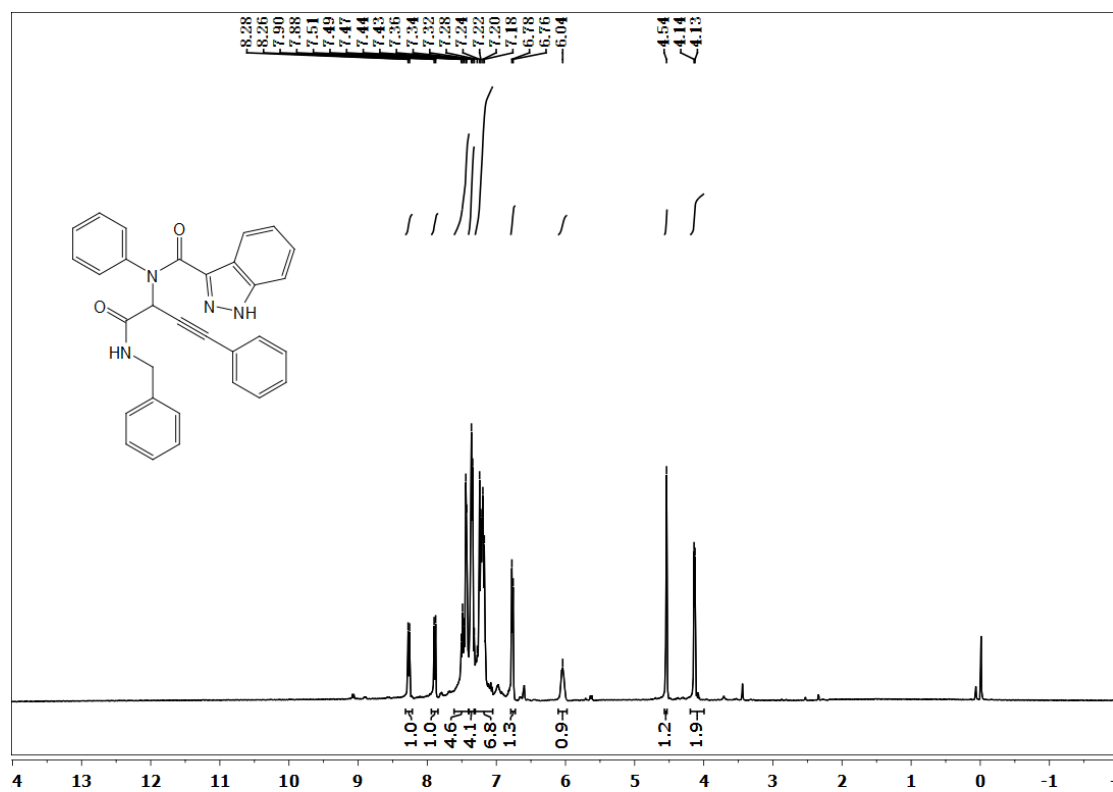
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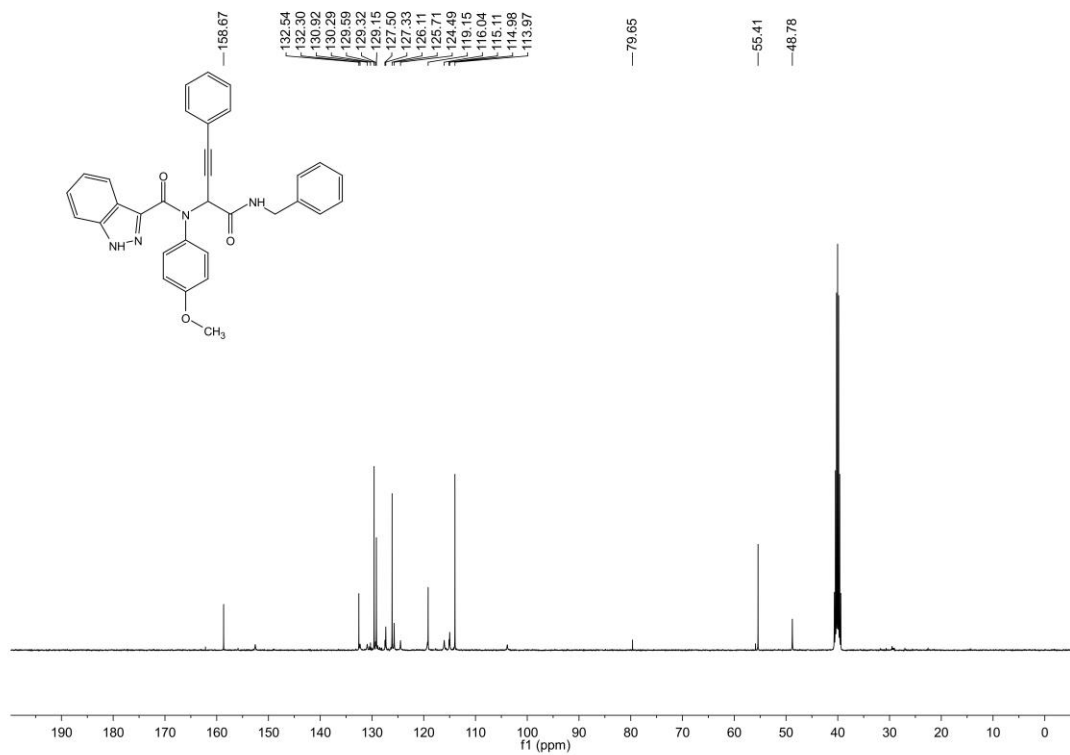
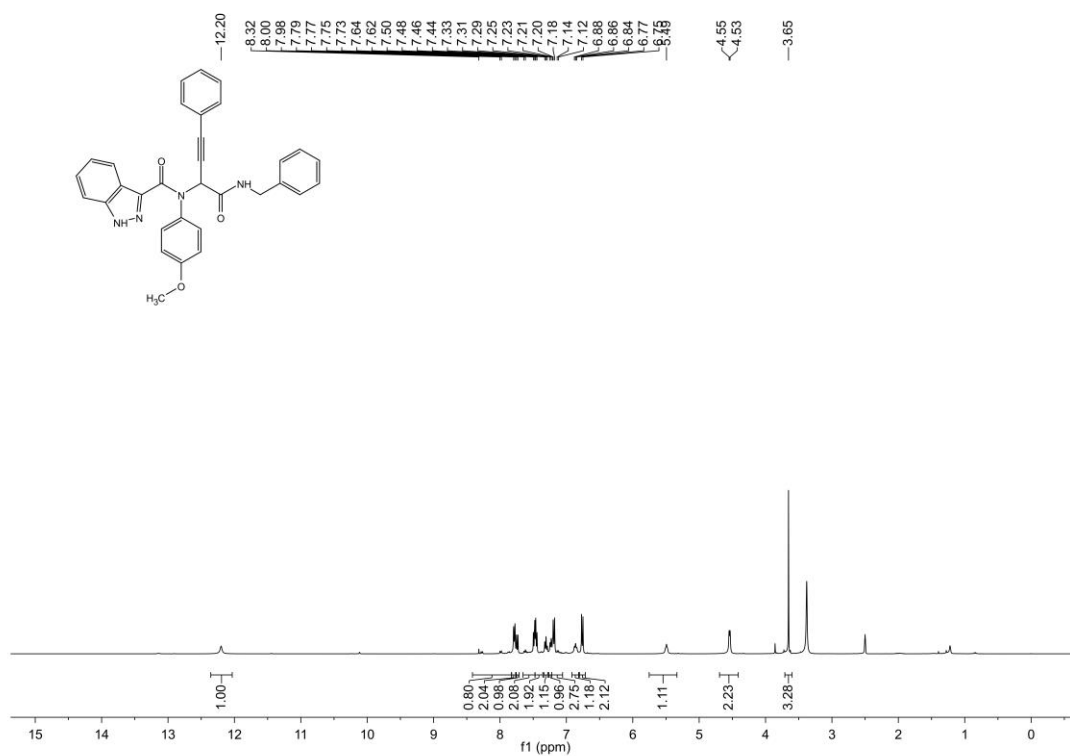
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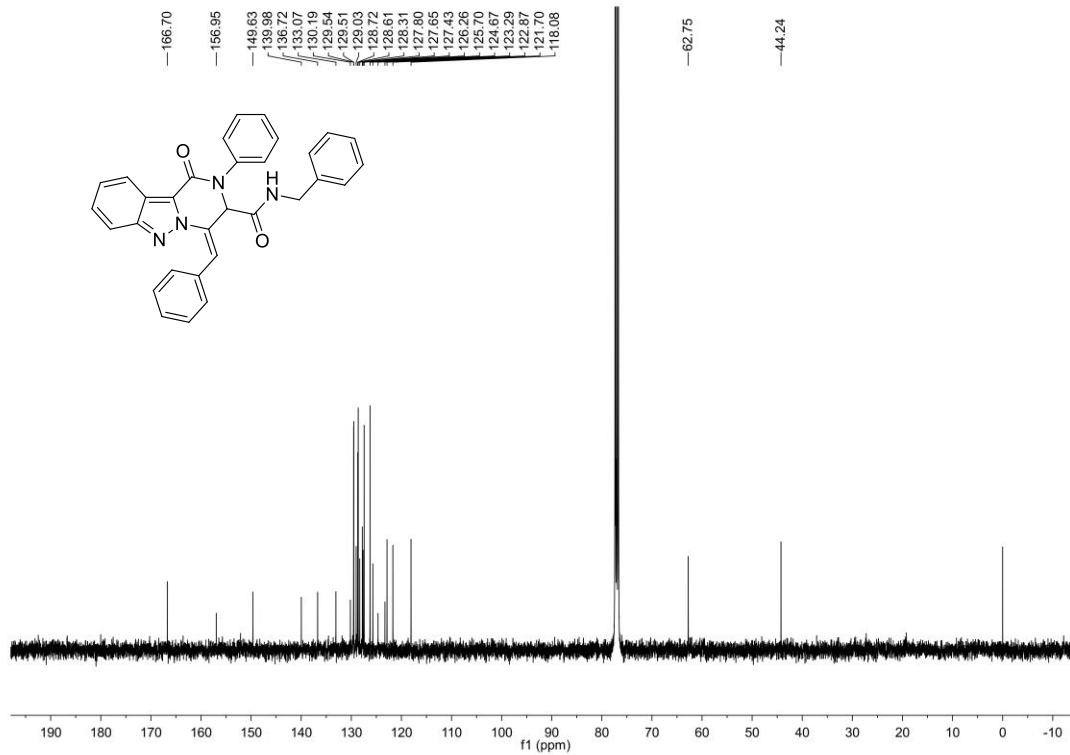
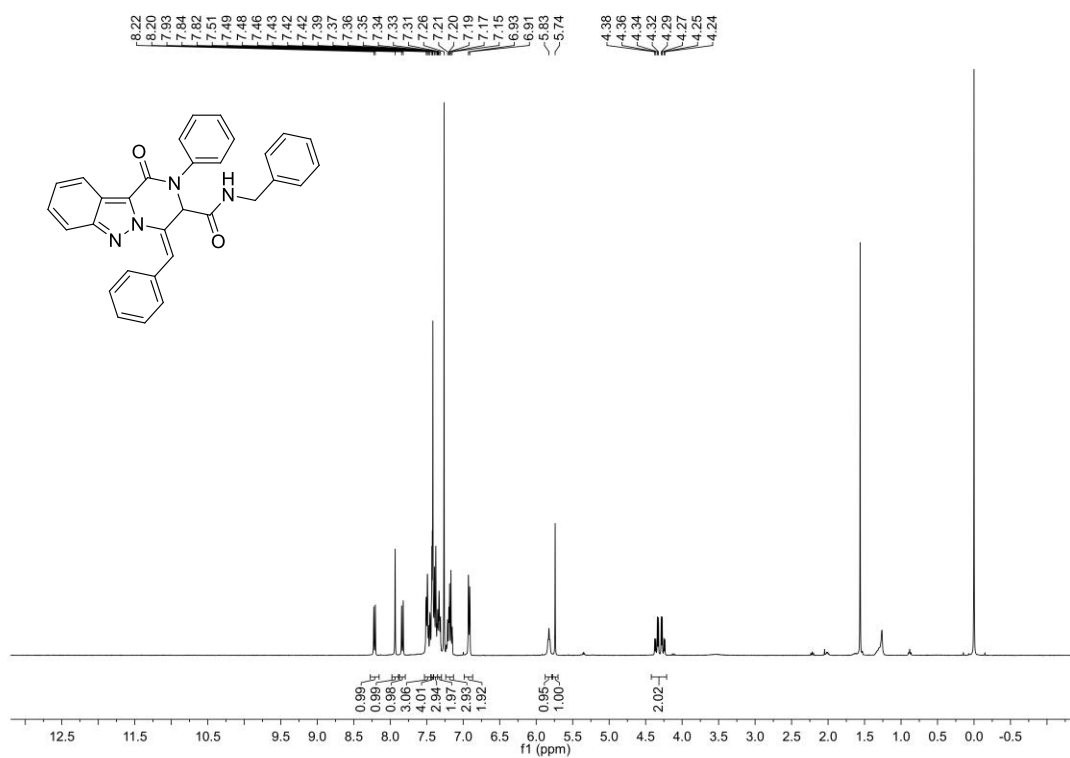
Compound 5a



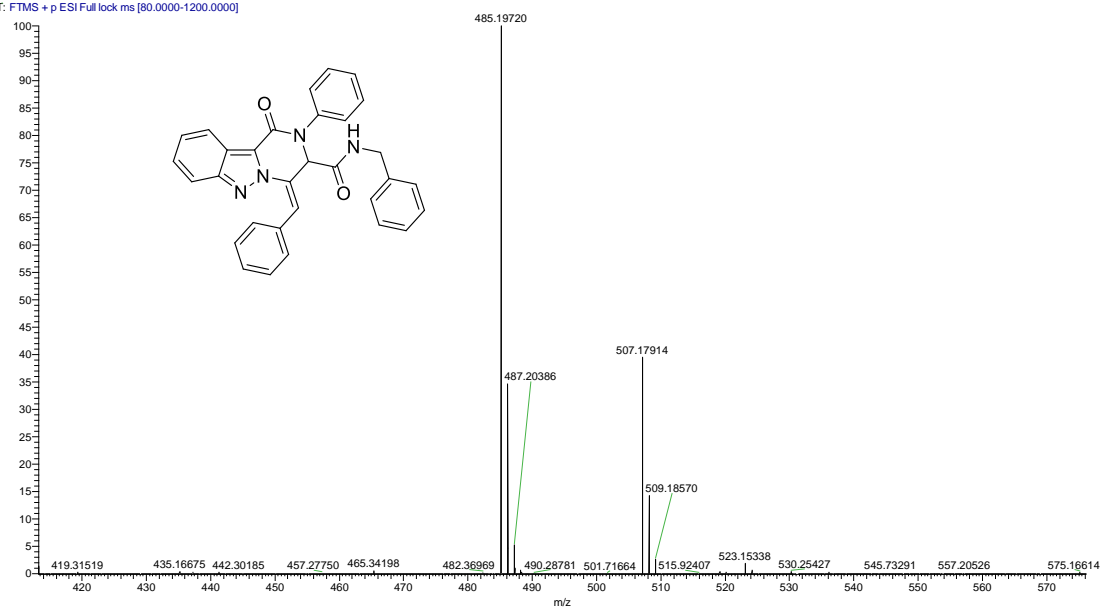
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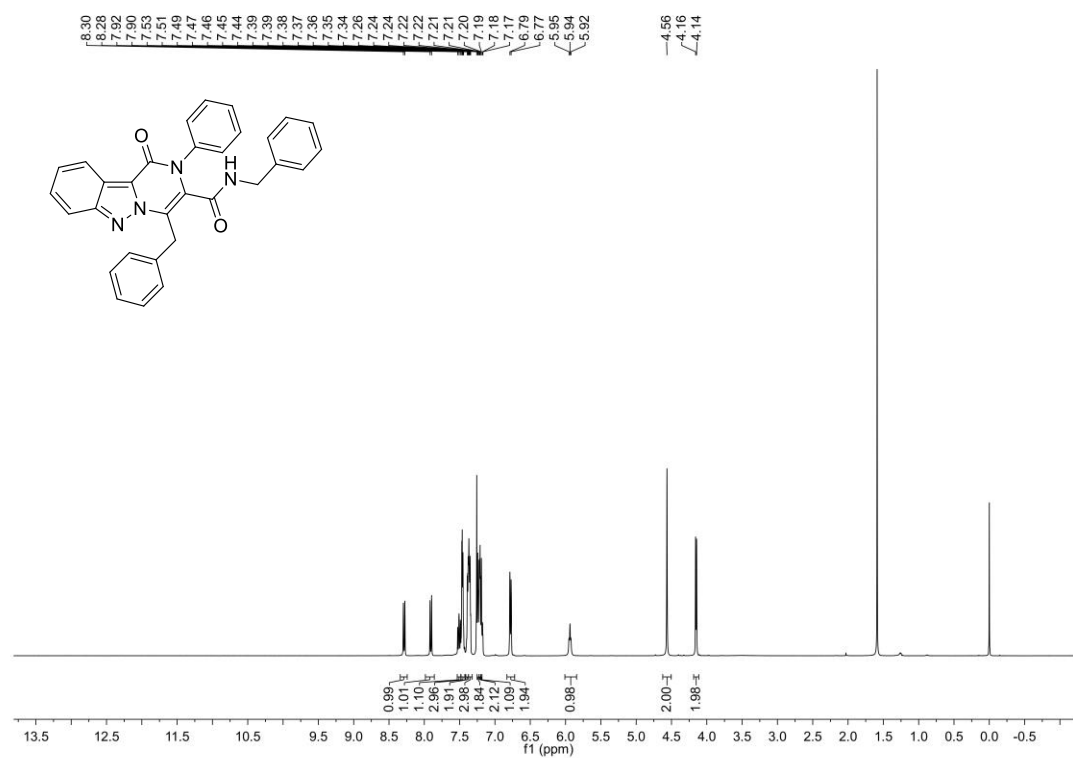
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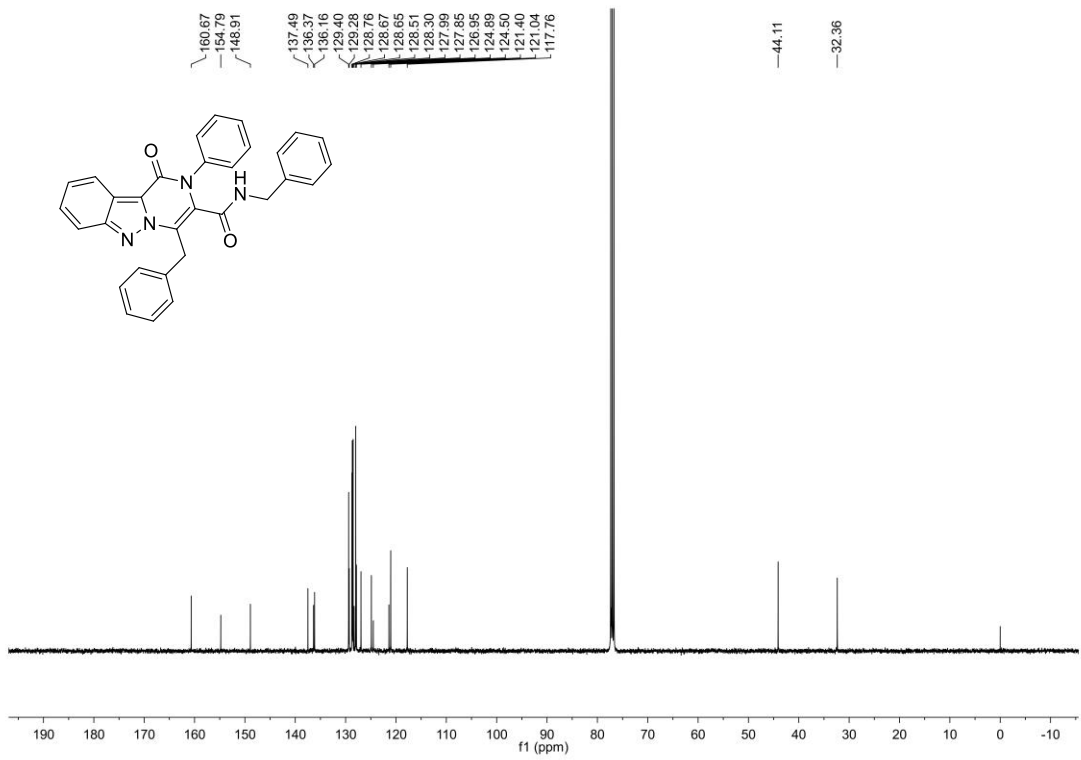


US-7a #971 RT: 6.30 AV: 1 NL: 2.39E7
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]

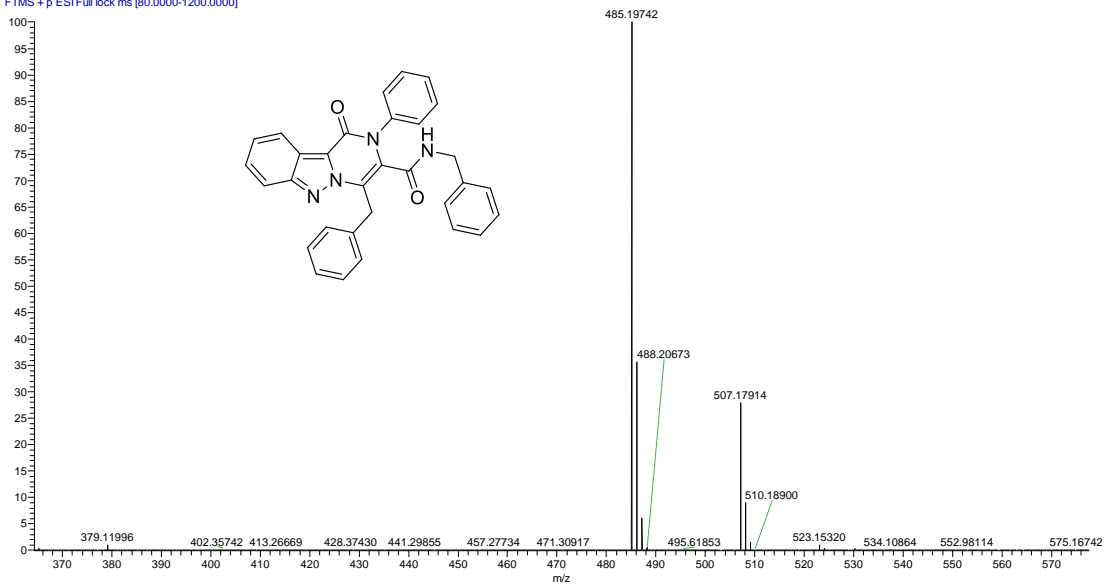


Compound 7a

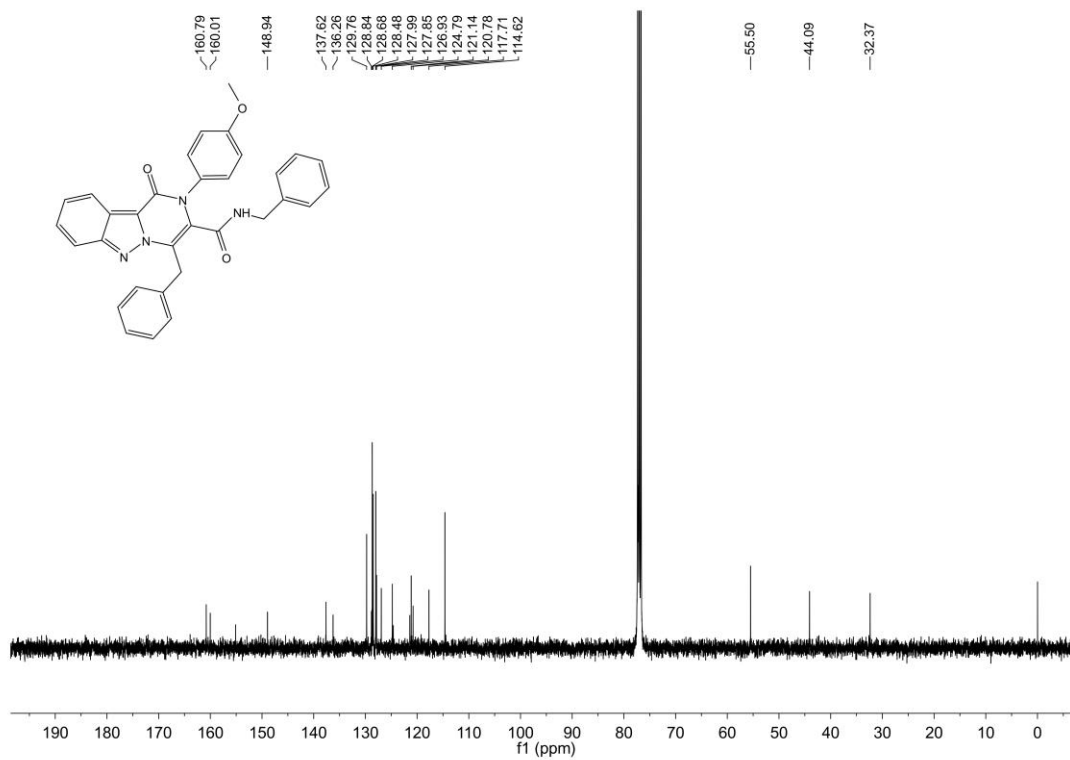
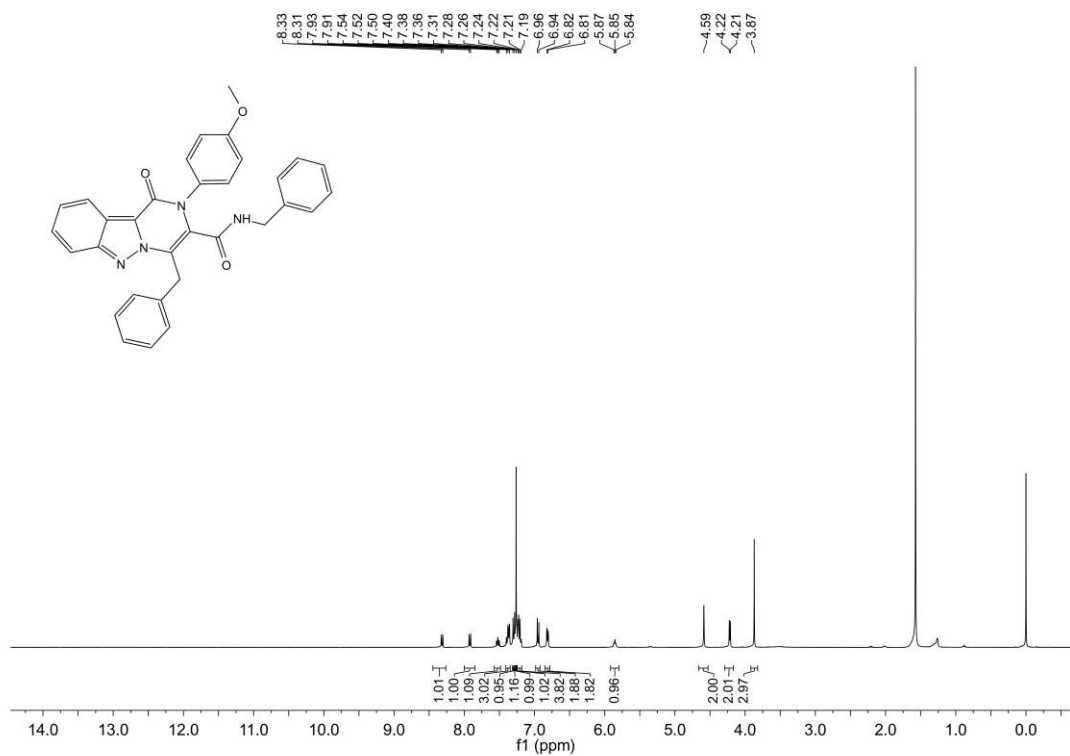




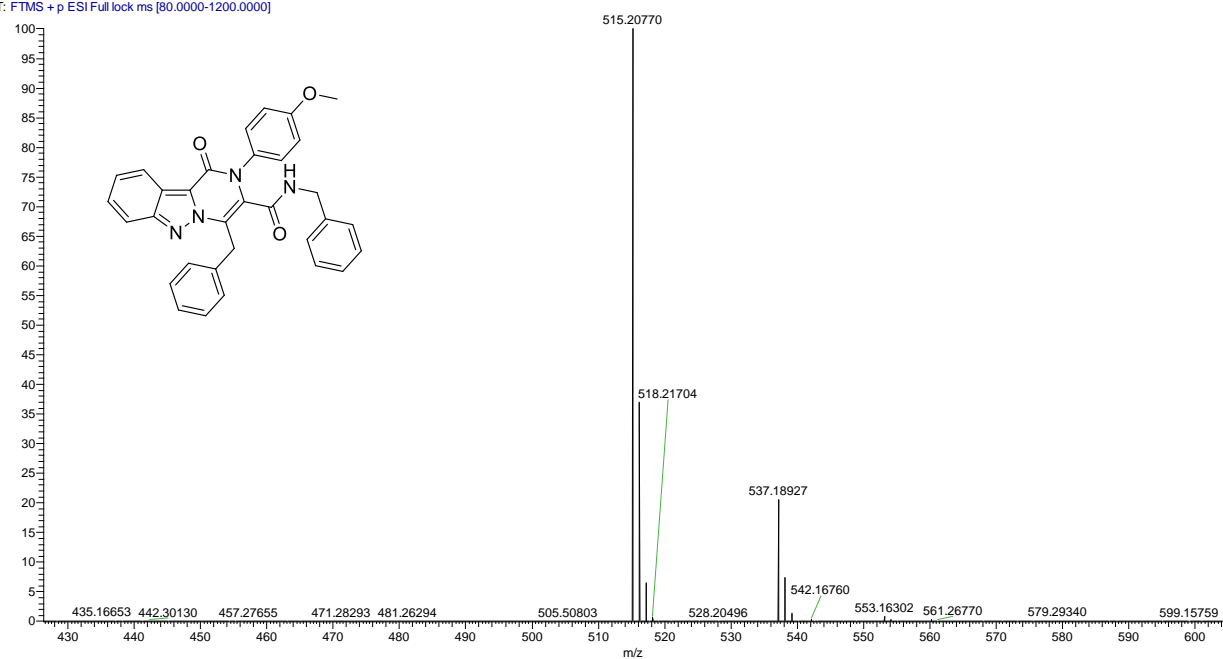
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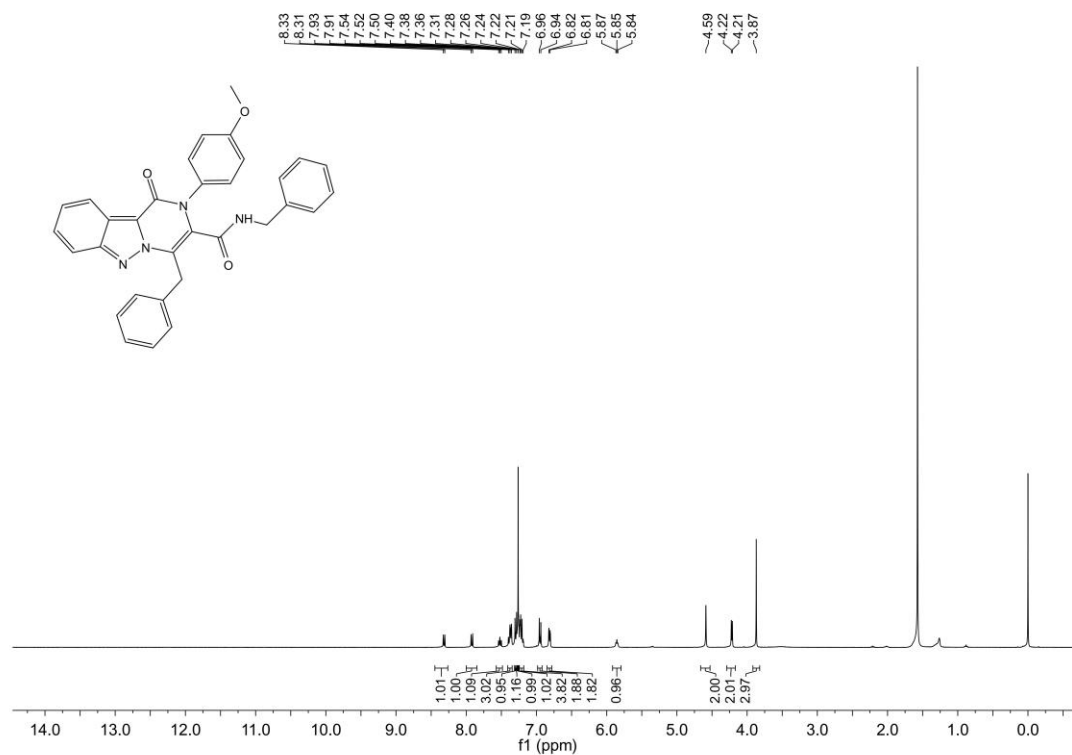
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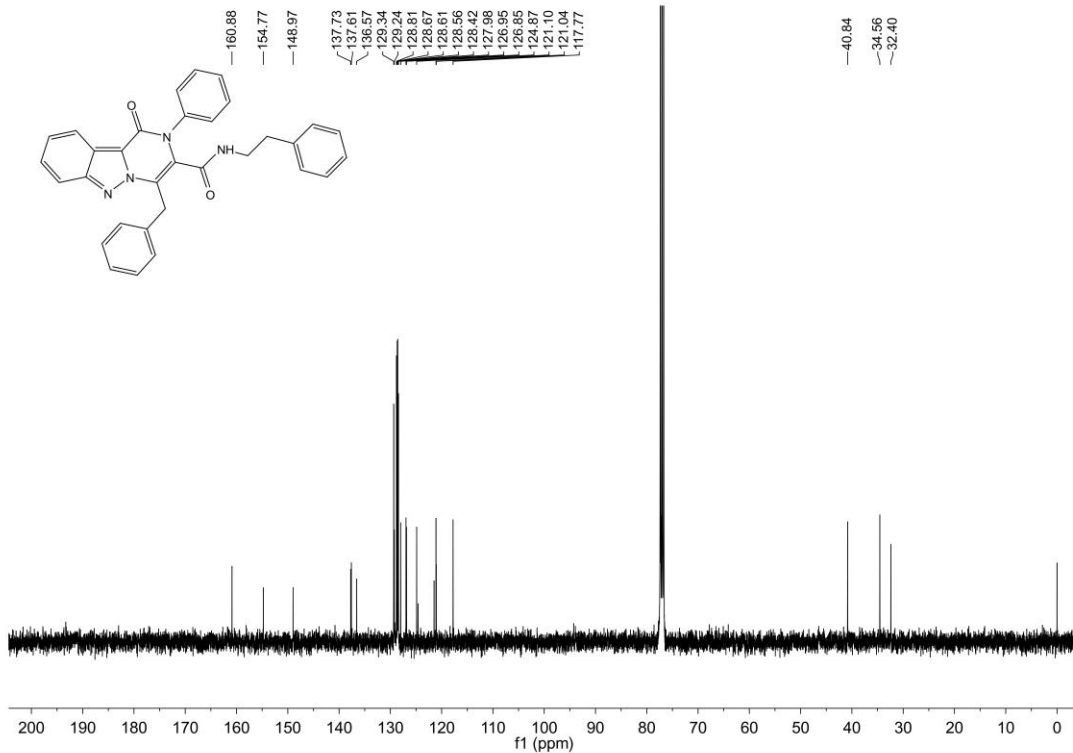


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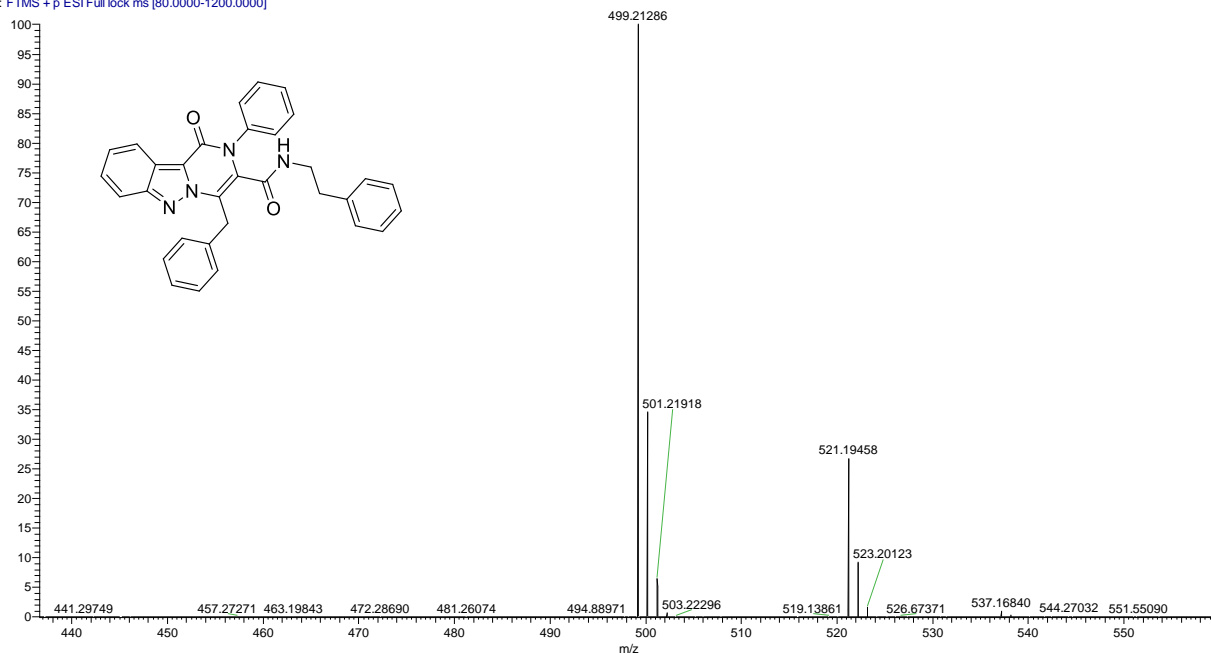


Compound 7c

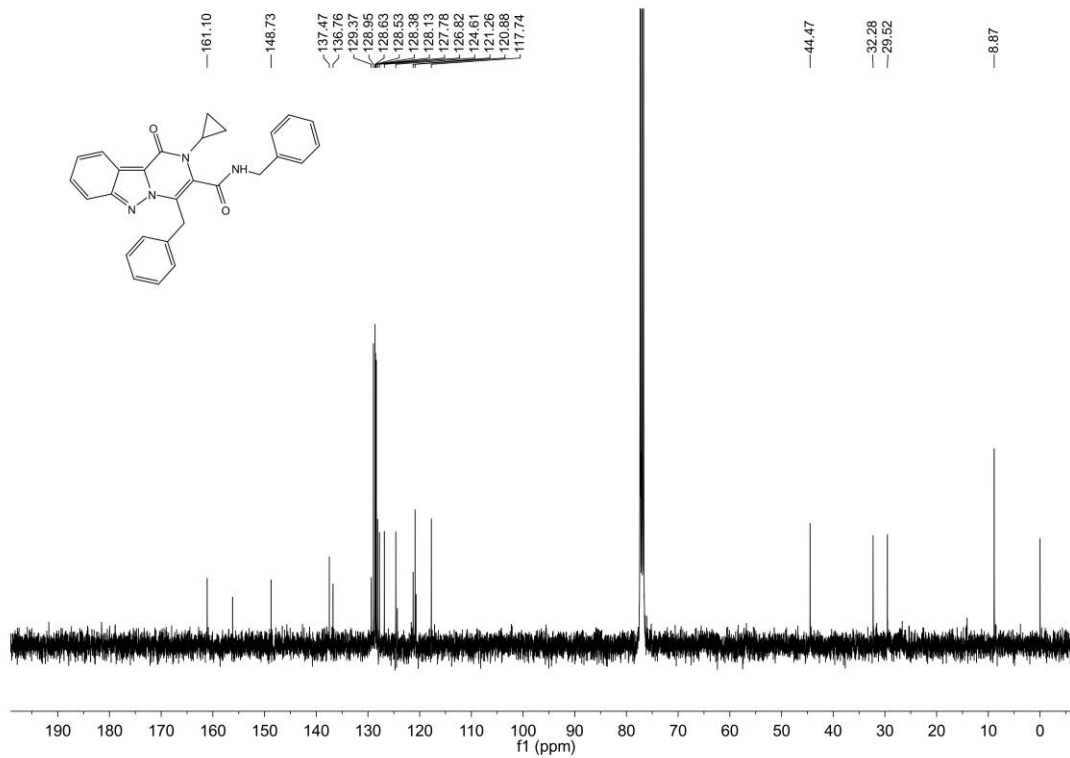
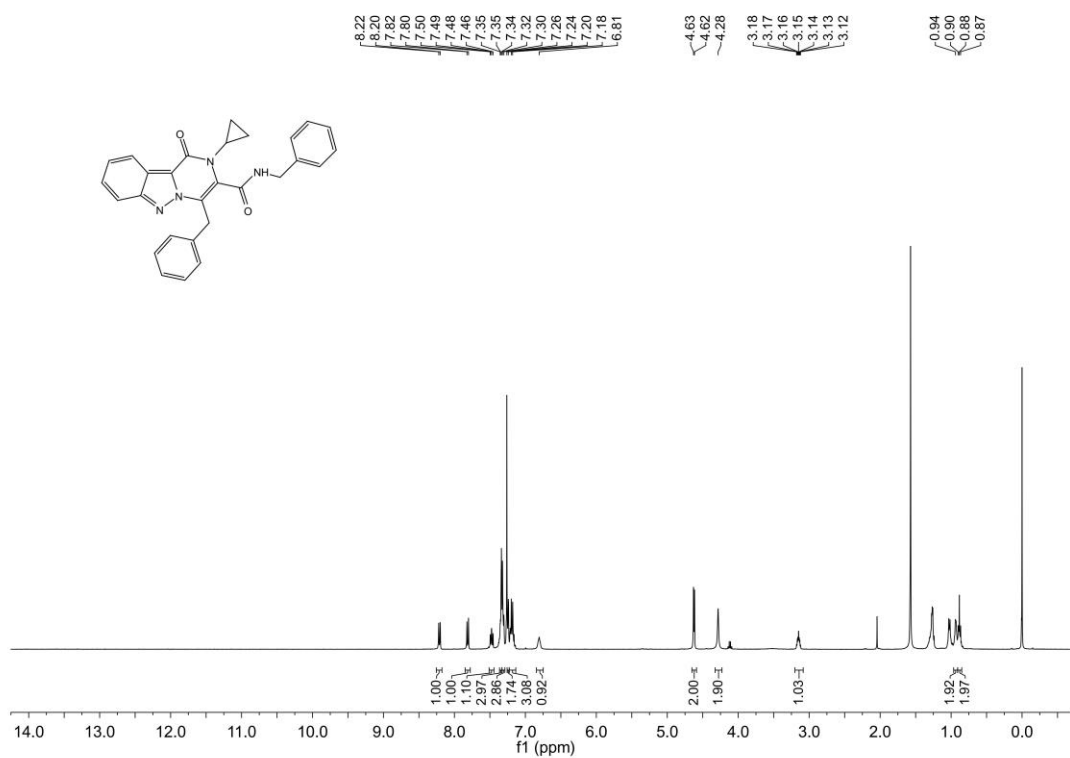




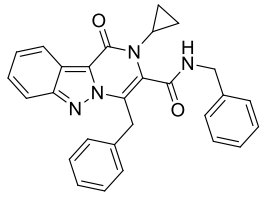
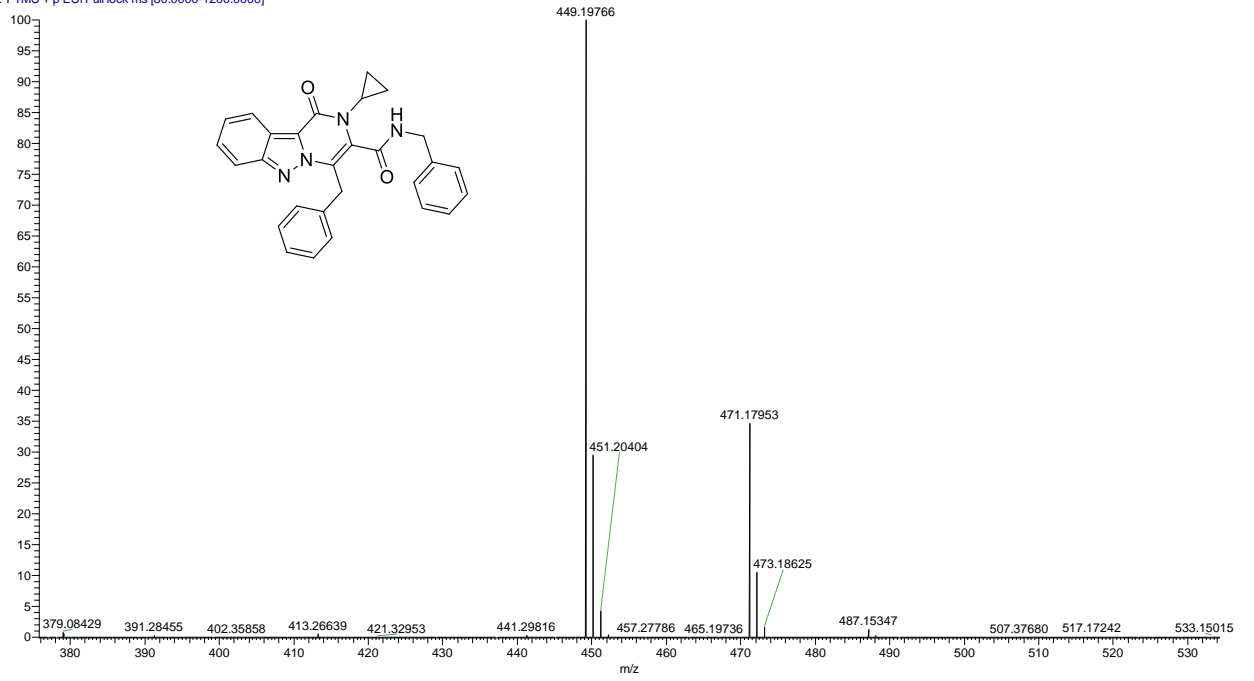
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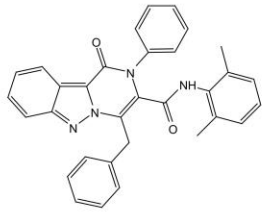
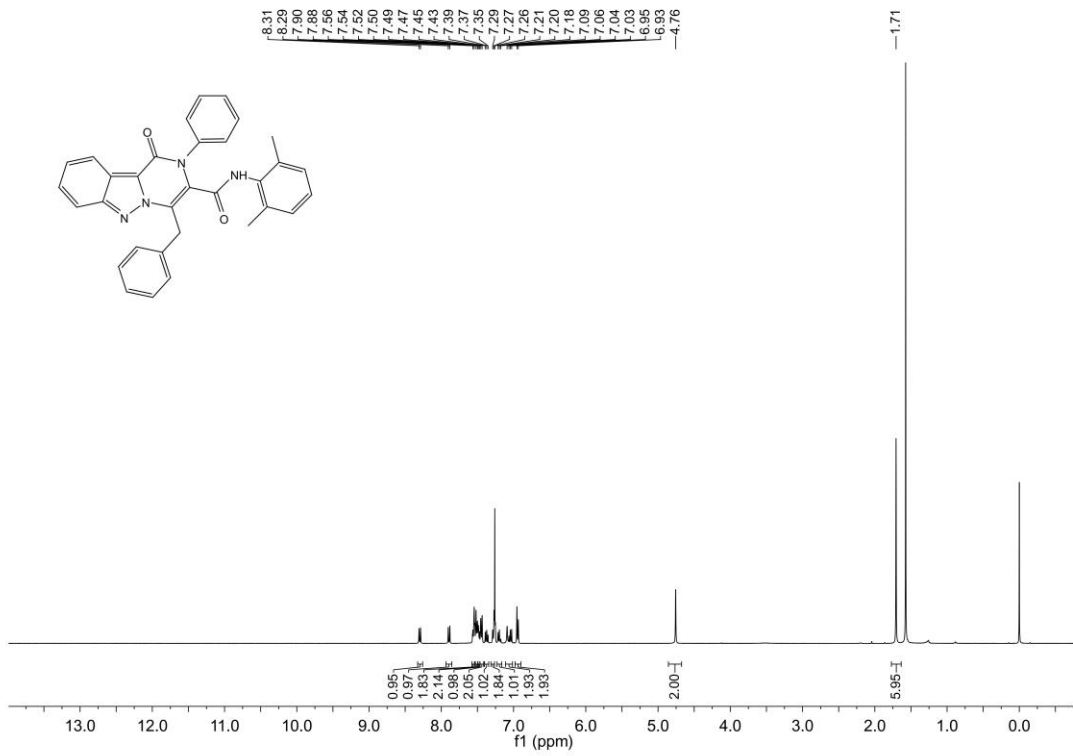
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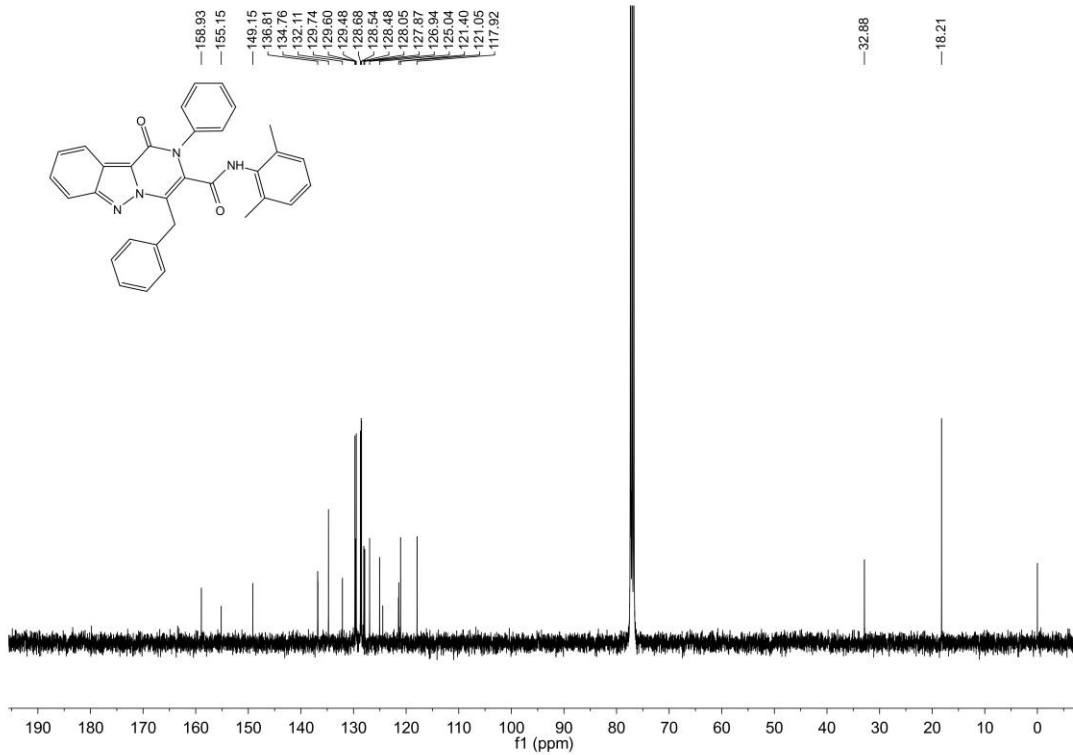


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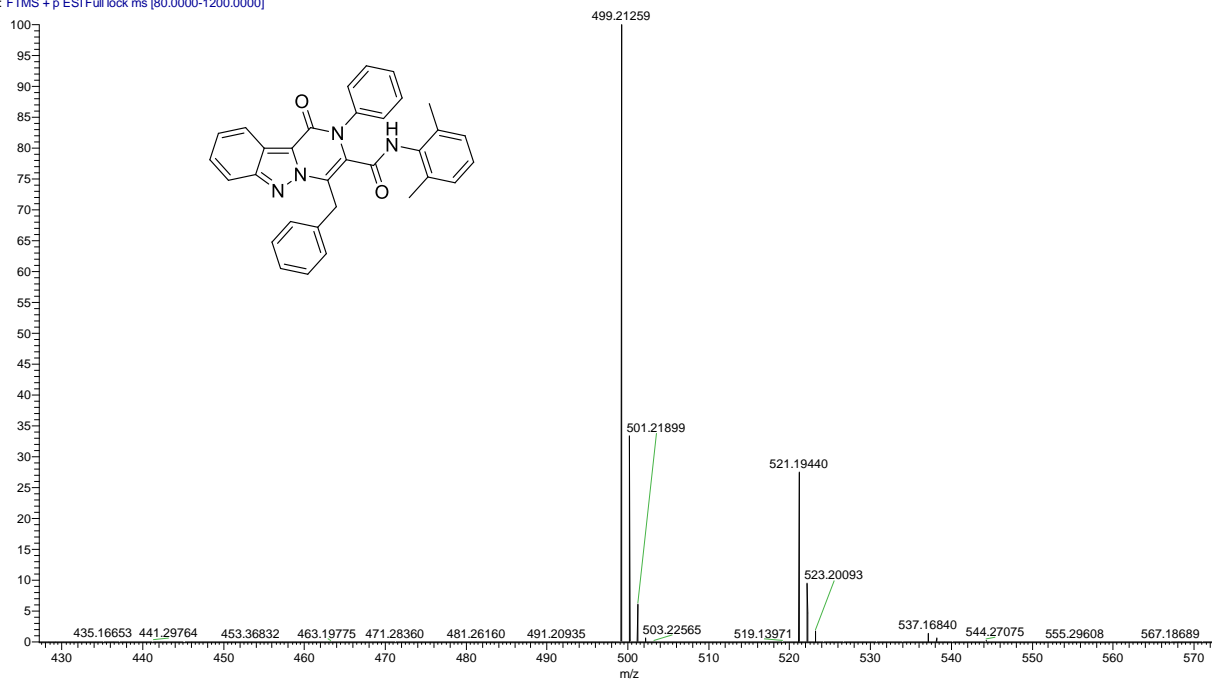


Compound 7e

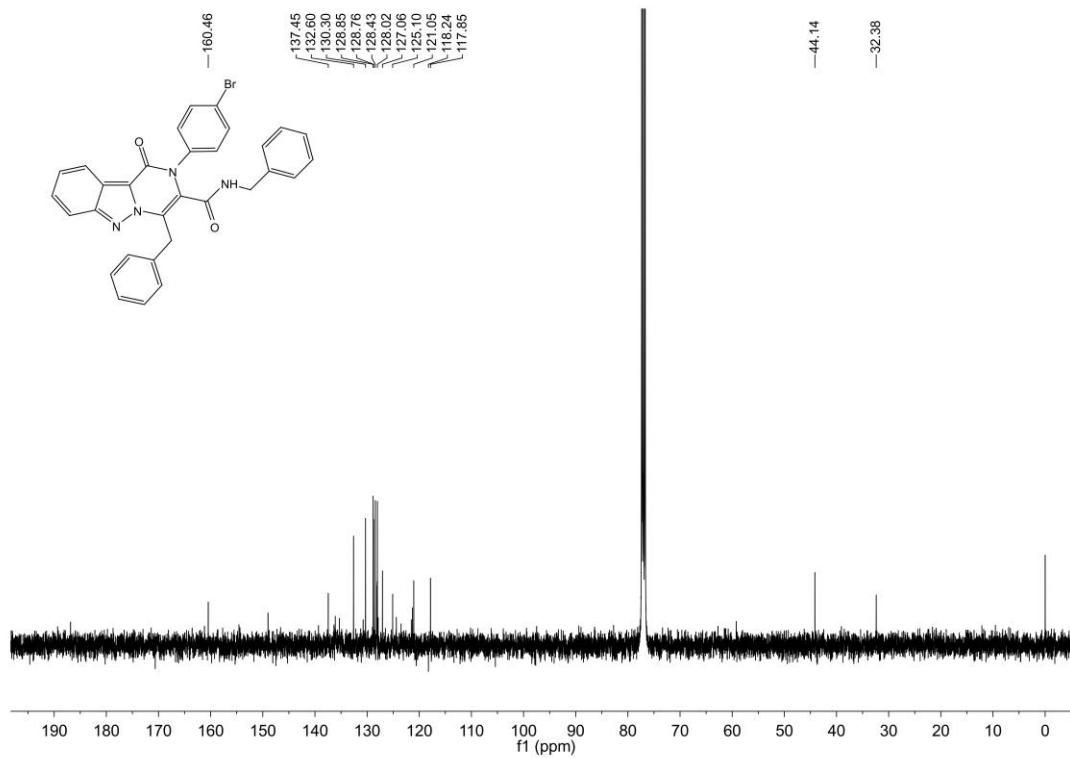
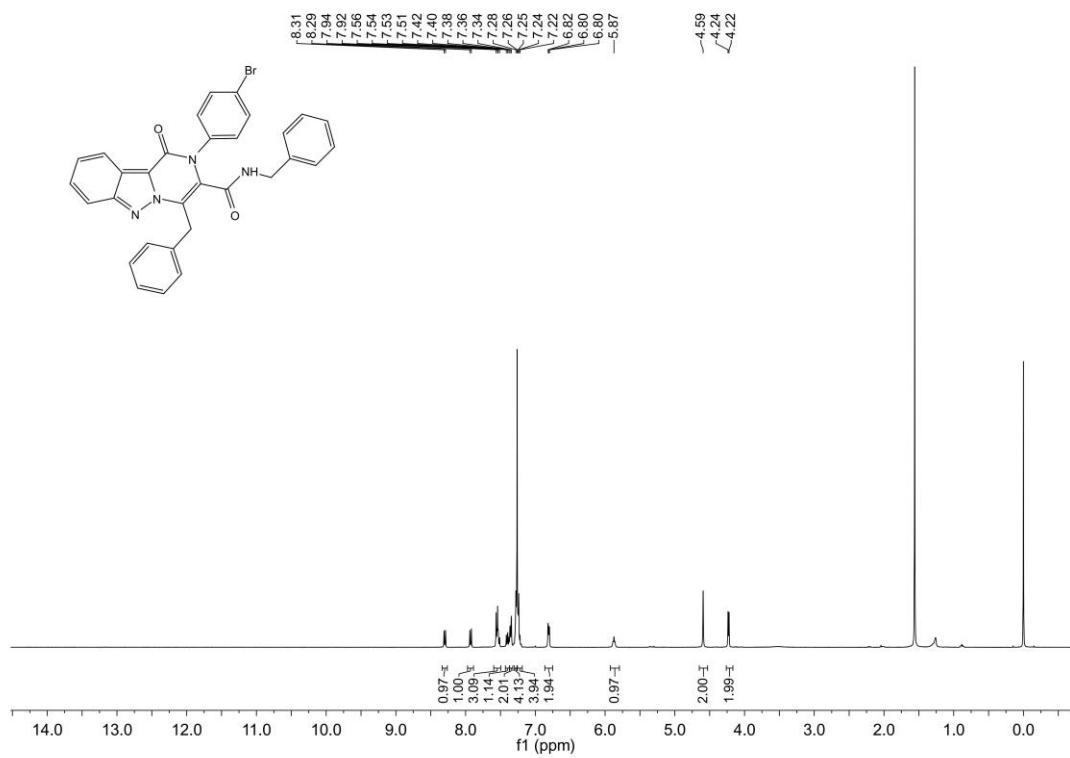




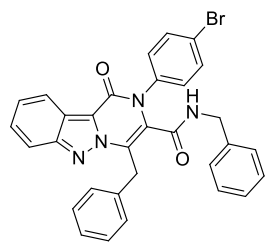
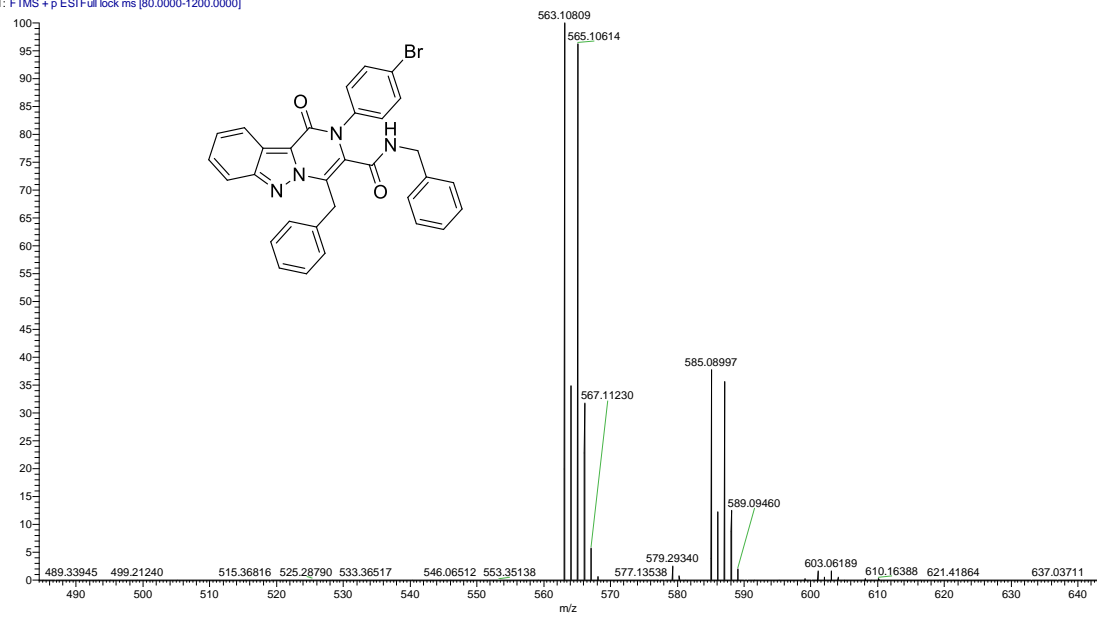
U5-7e #897 RT: 6.36 AV: 1 NL: 7.46E7
 T: FTMS + p ESI Full lock ms [80.0000-1200.0000]



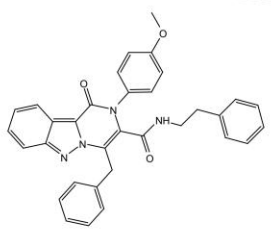
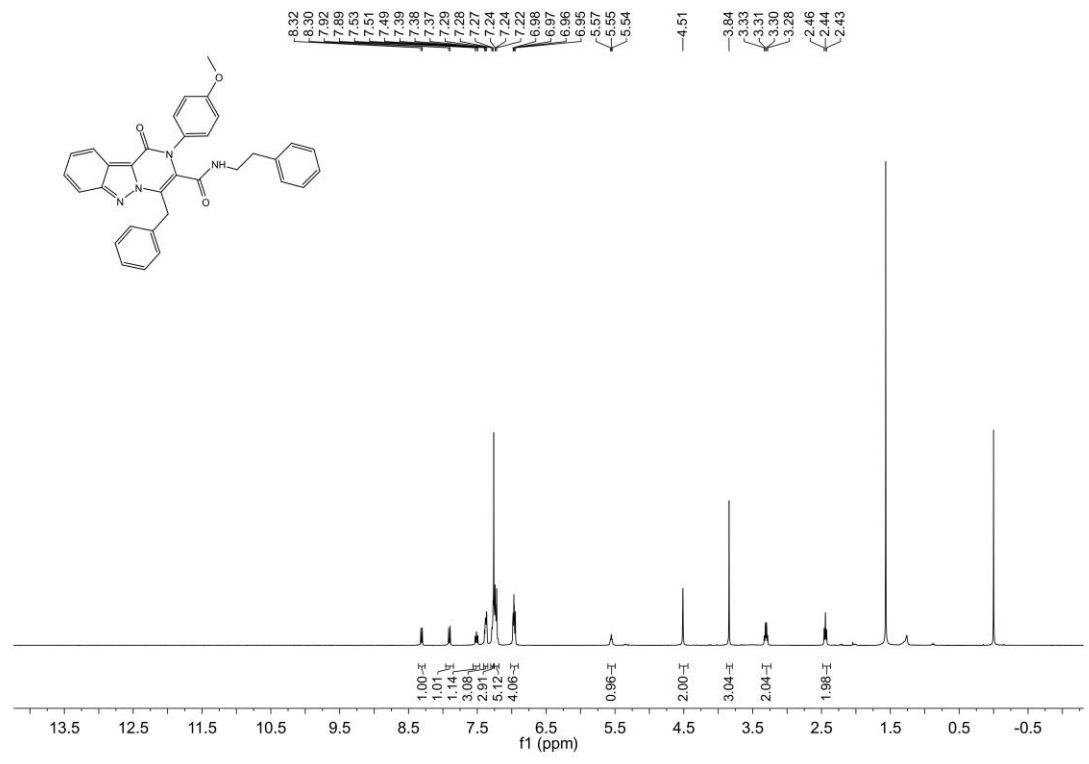
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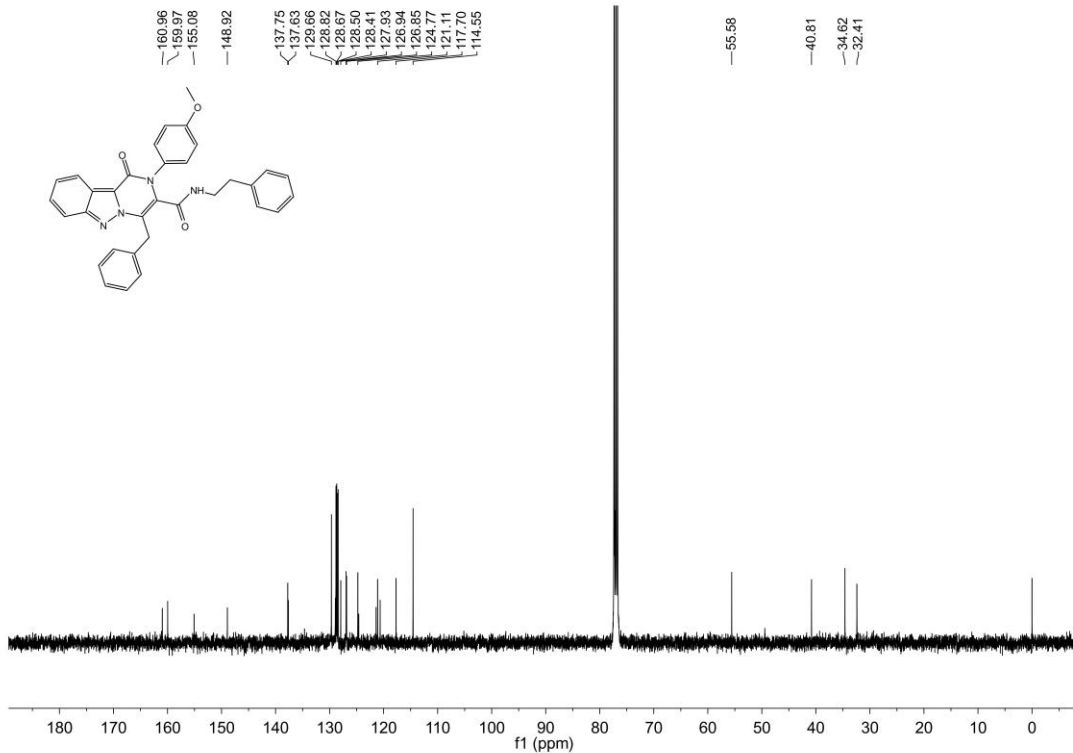


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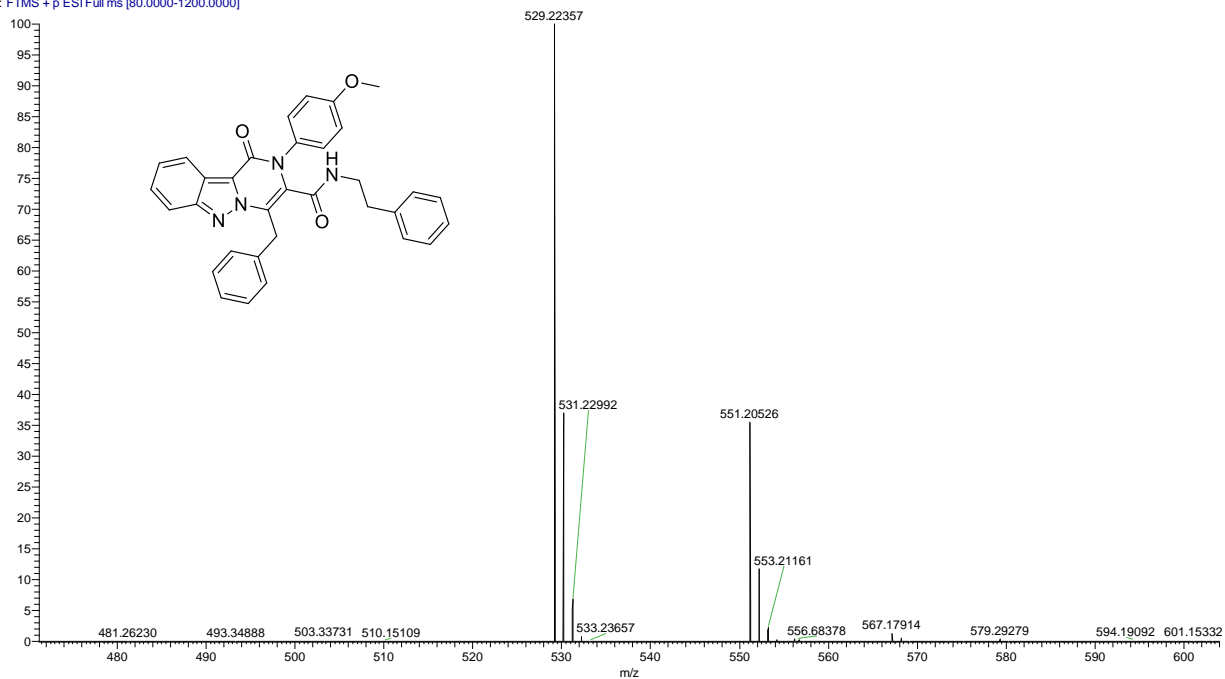


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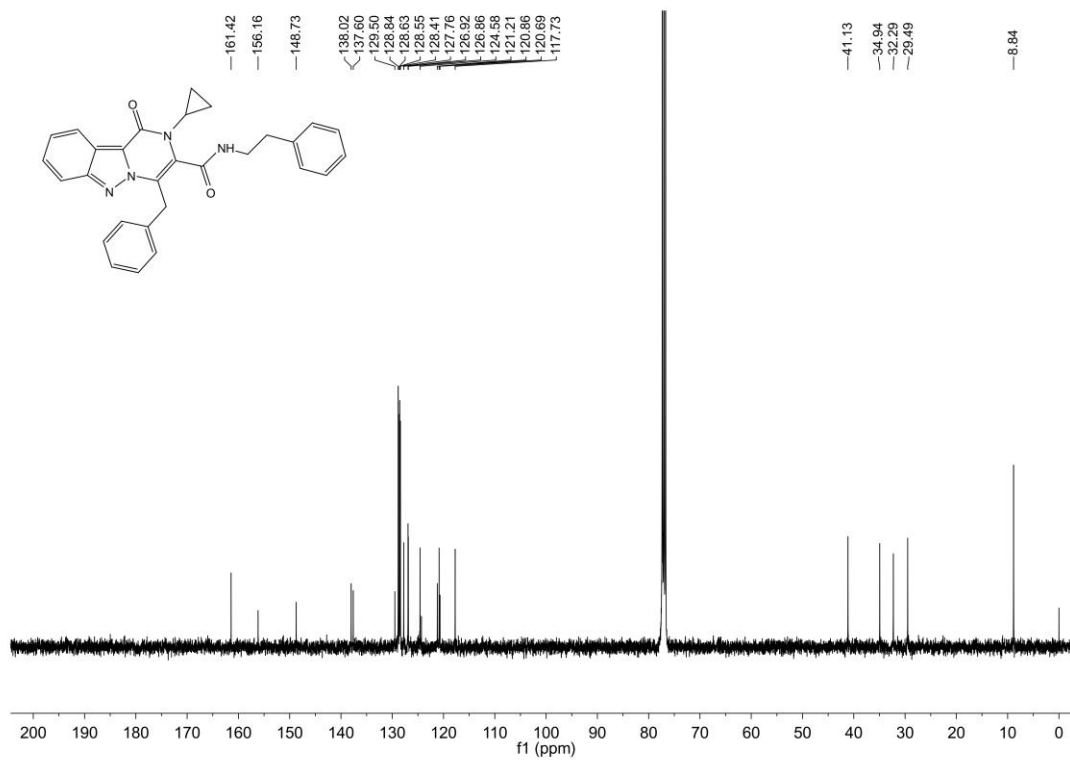
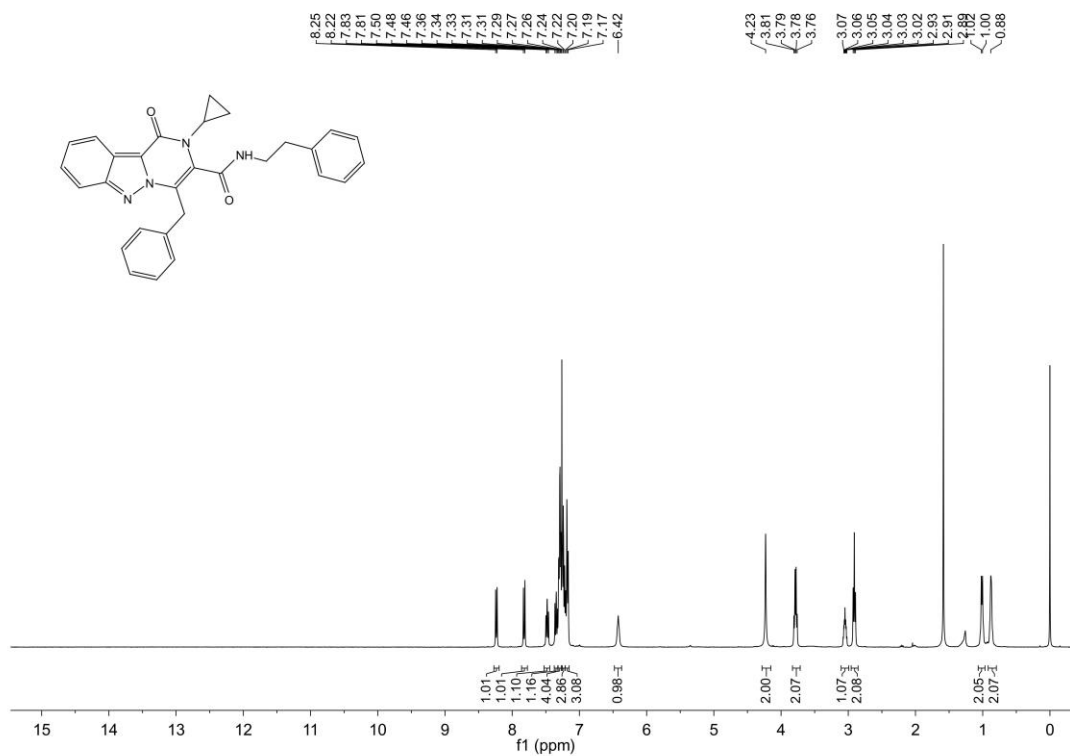




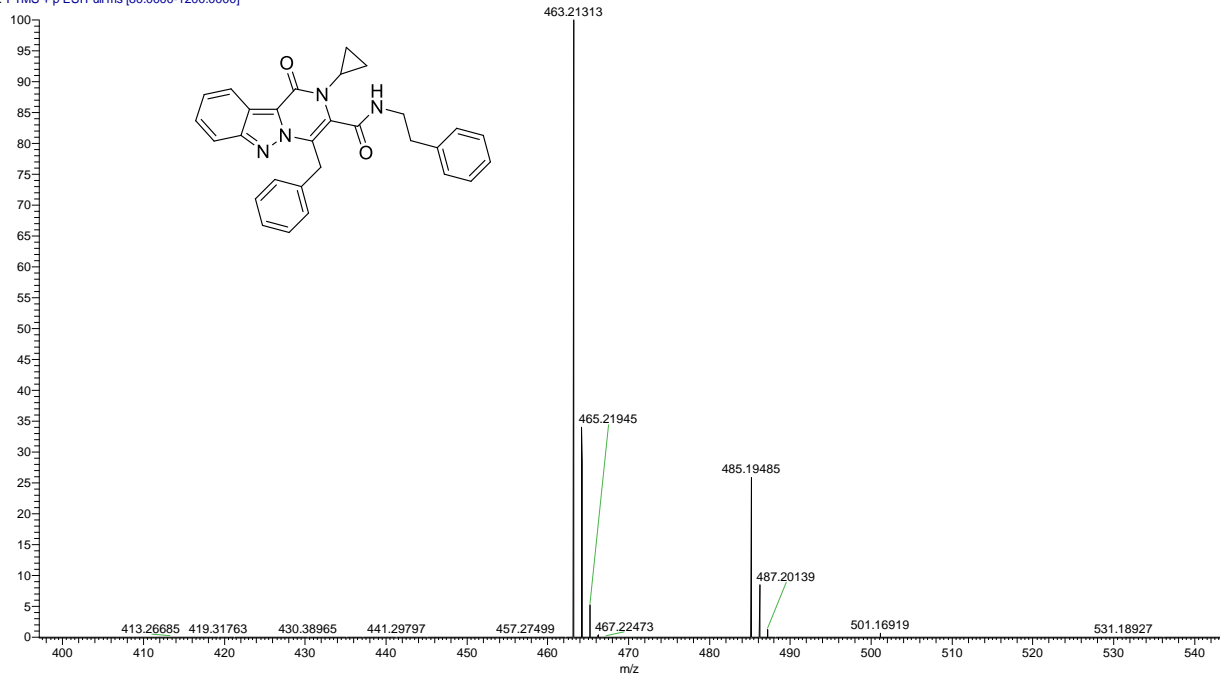
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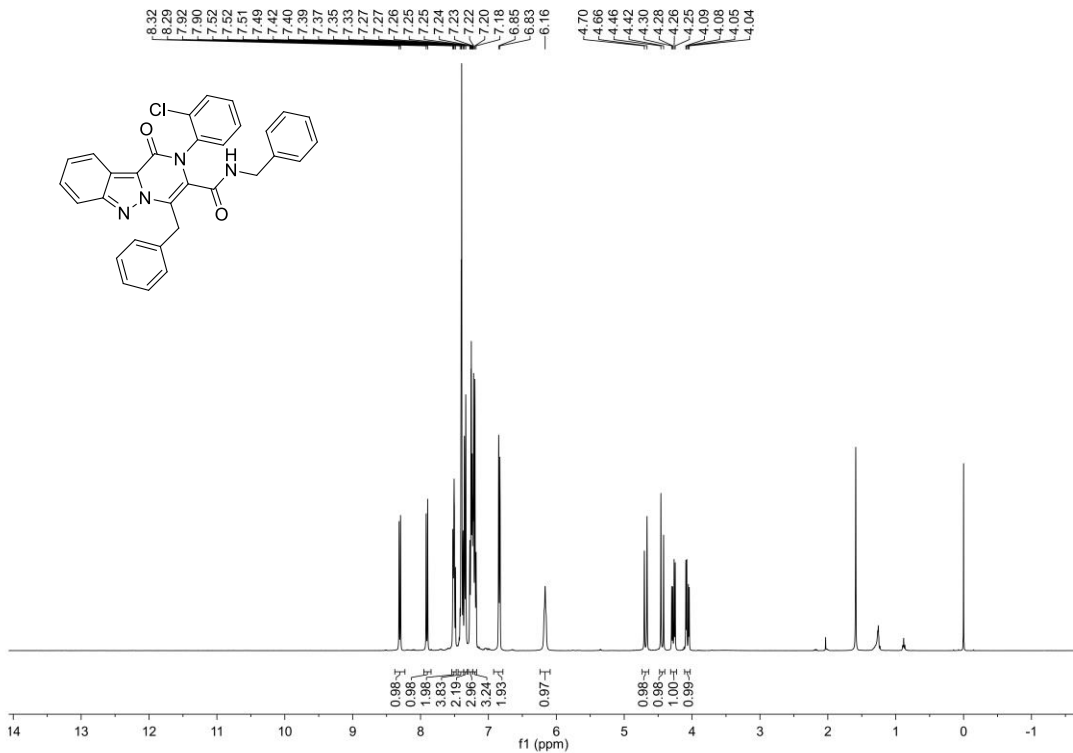
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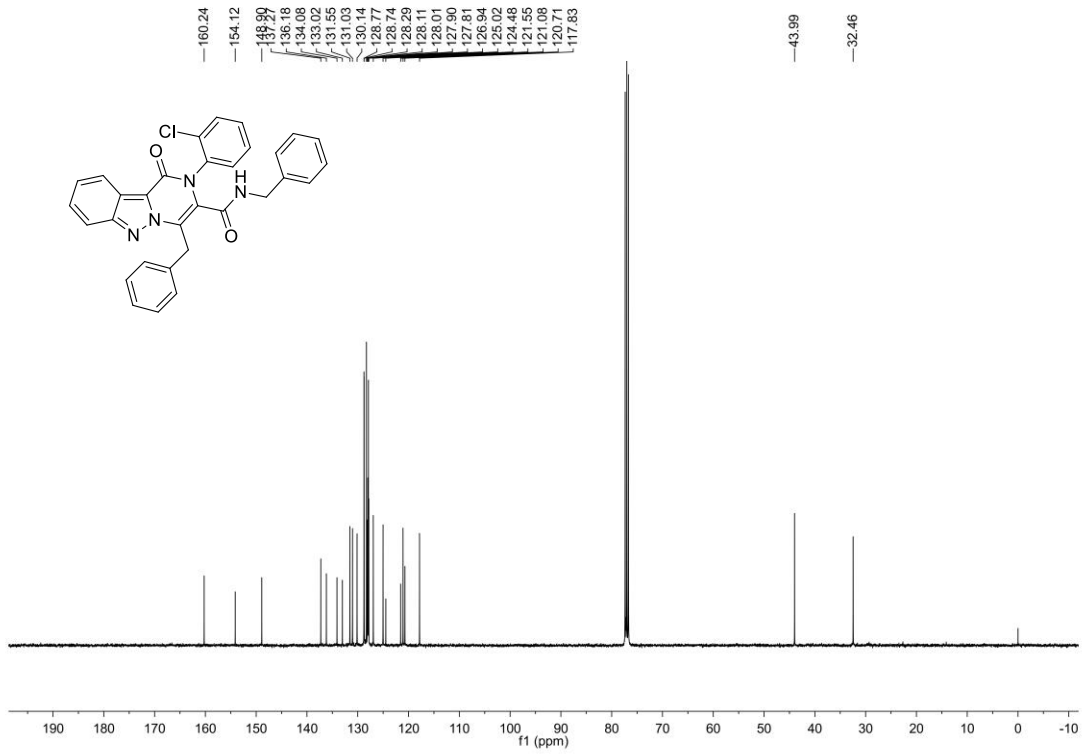


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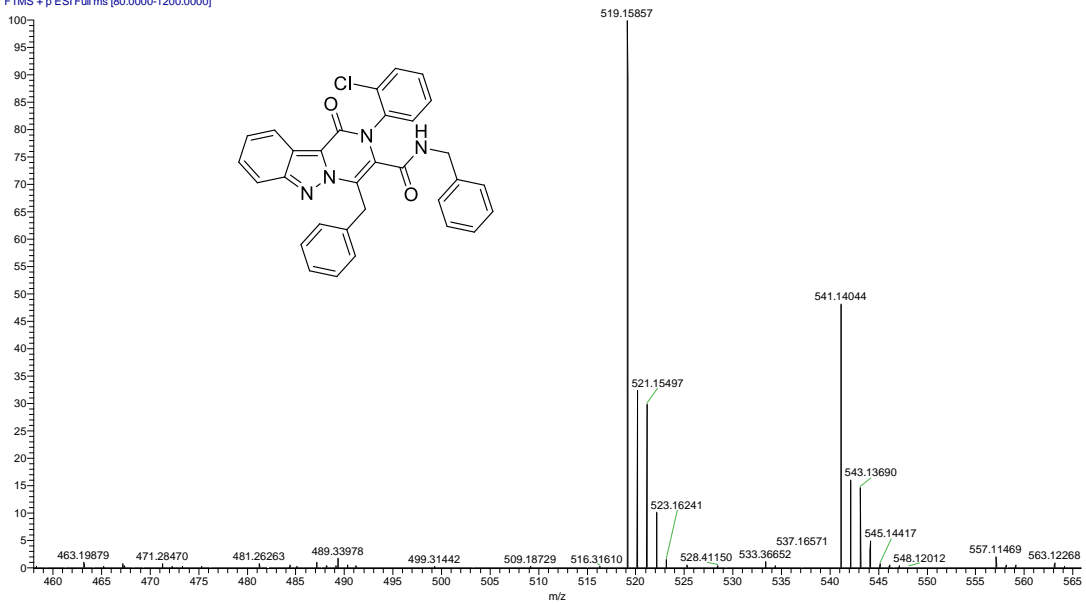


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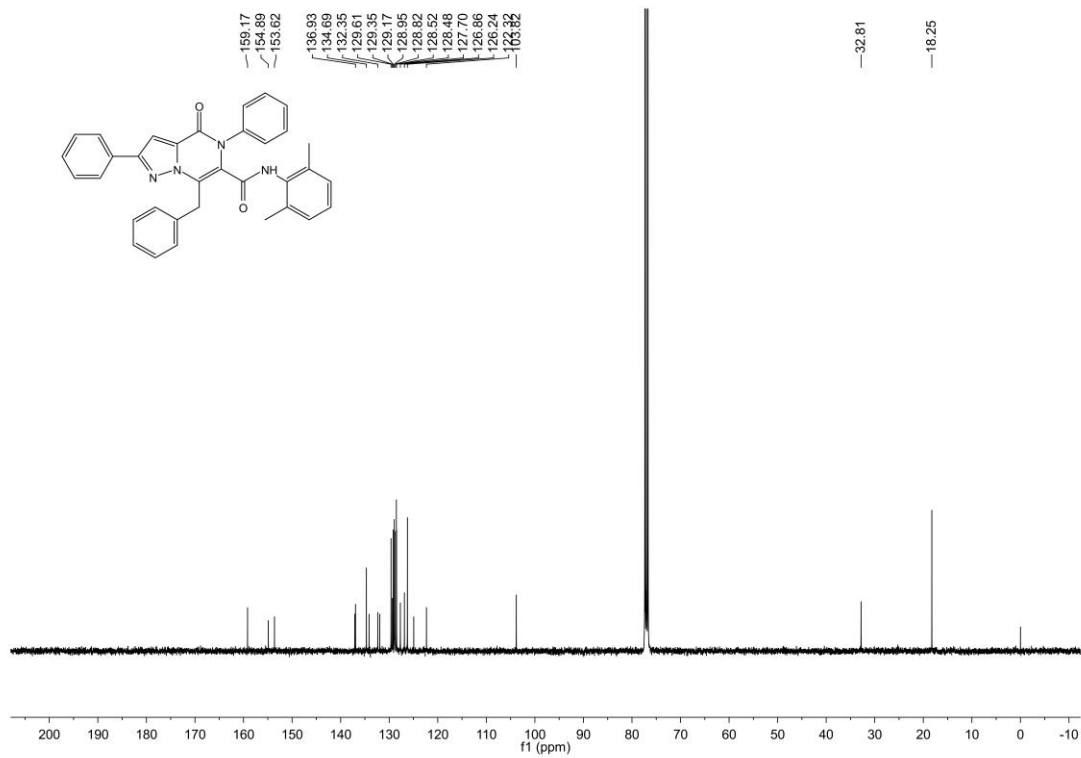
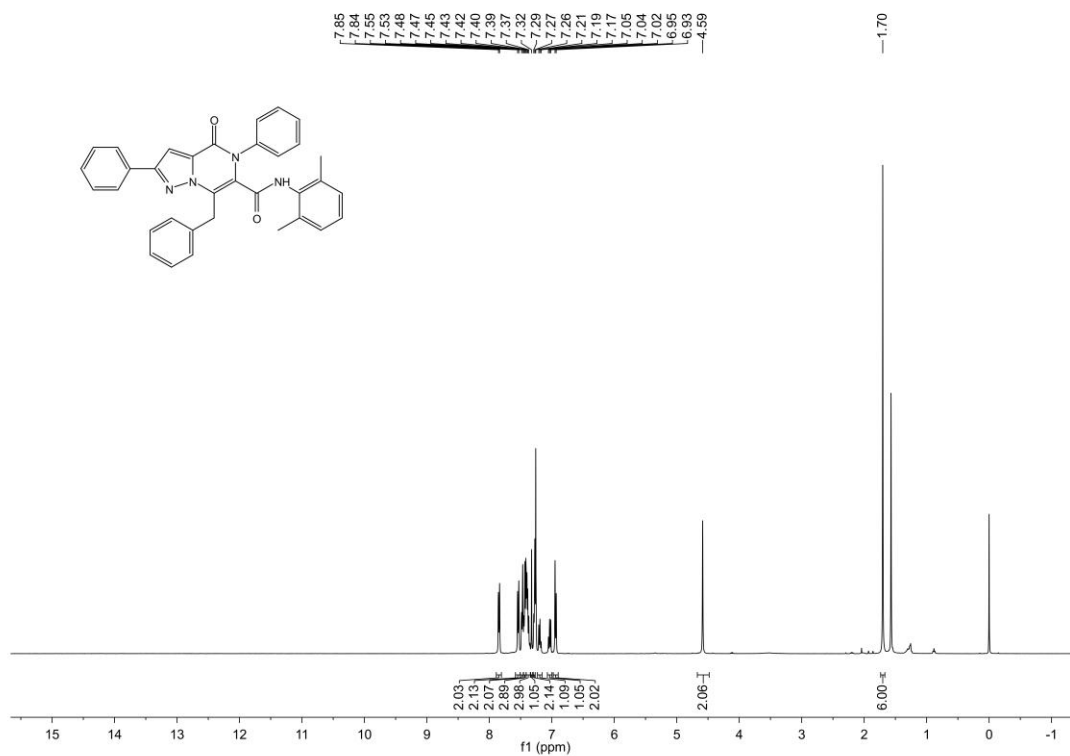




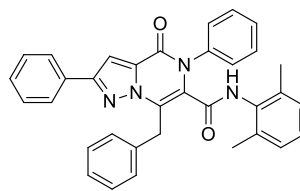
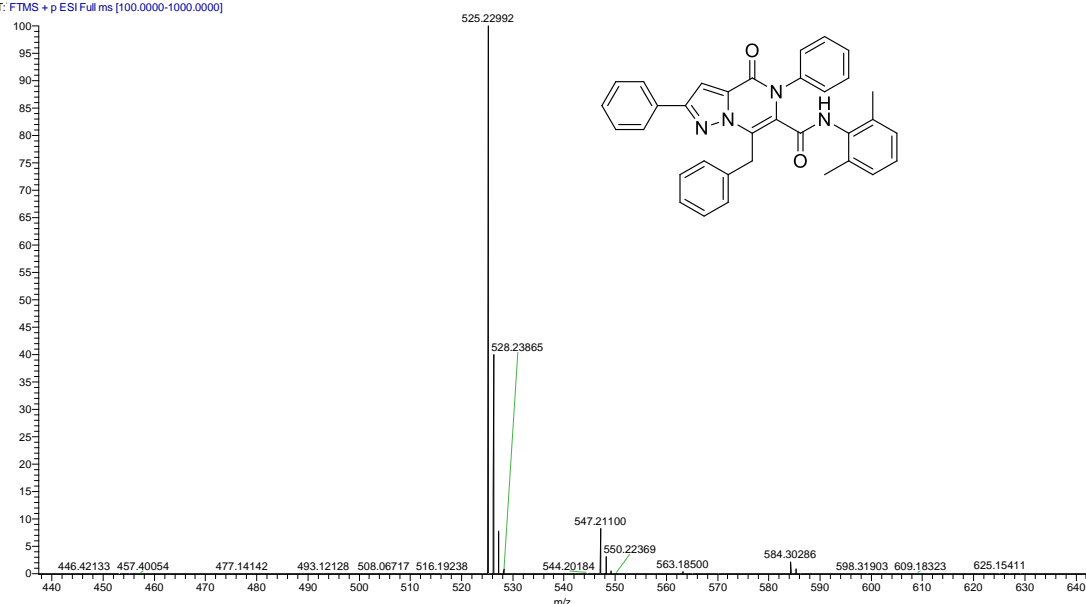
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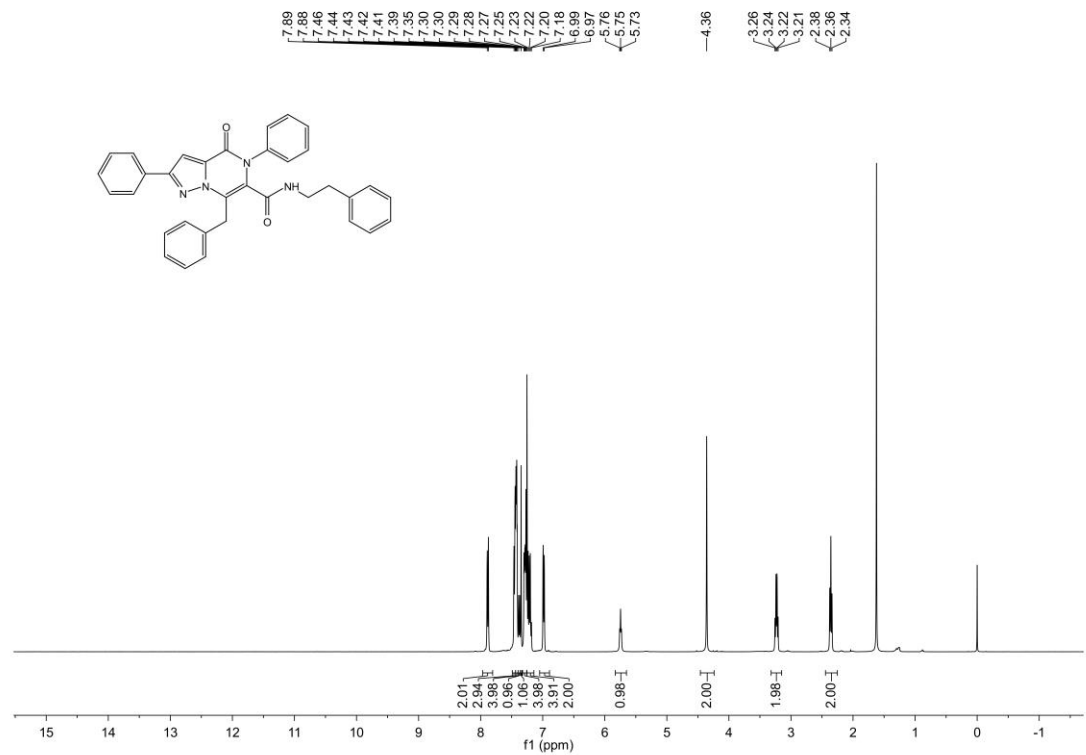
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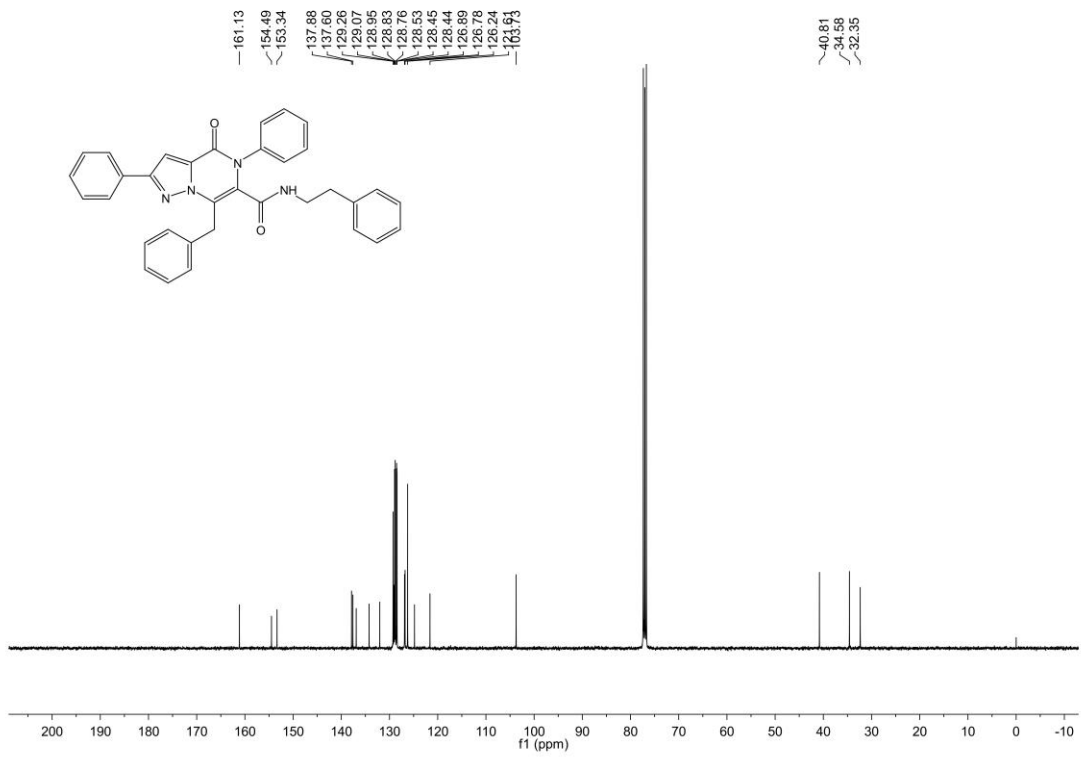


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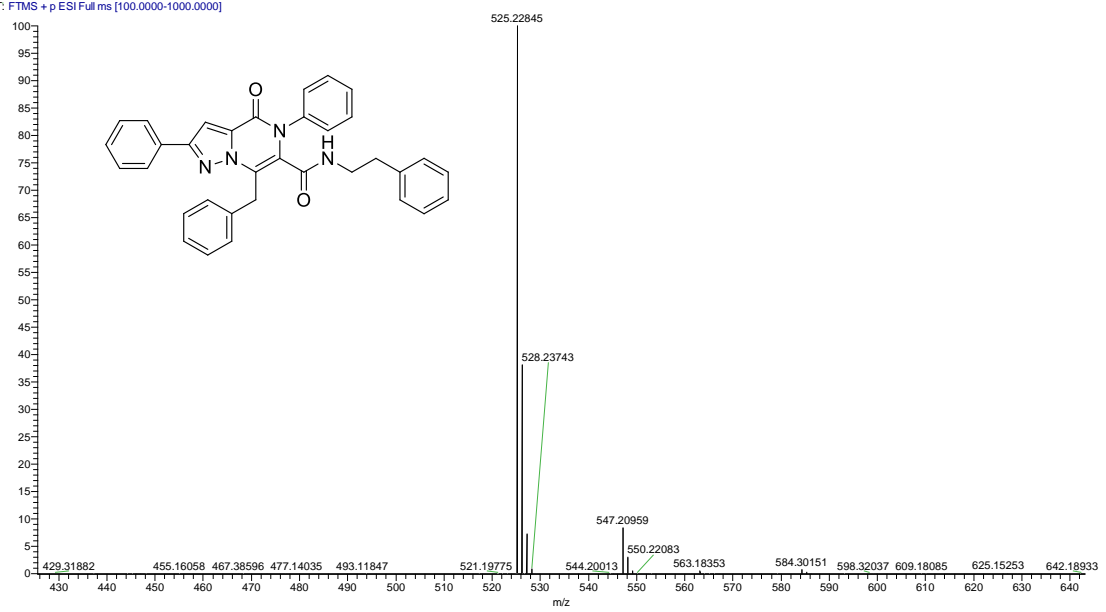


Compound 7k

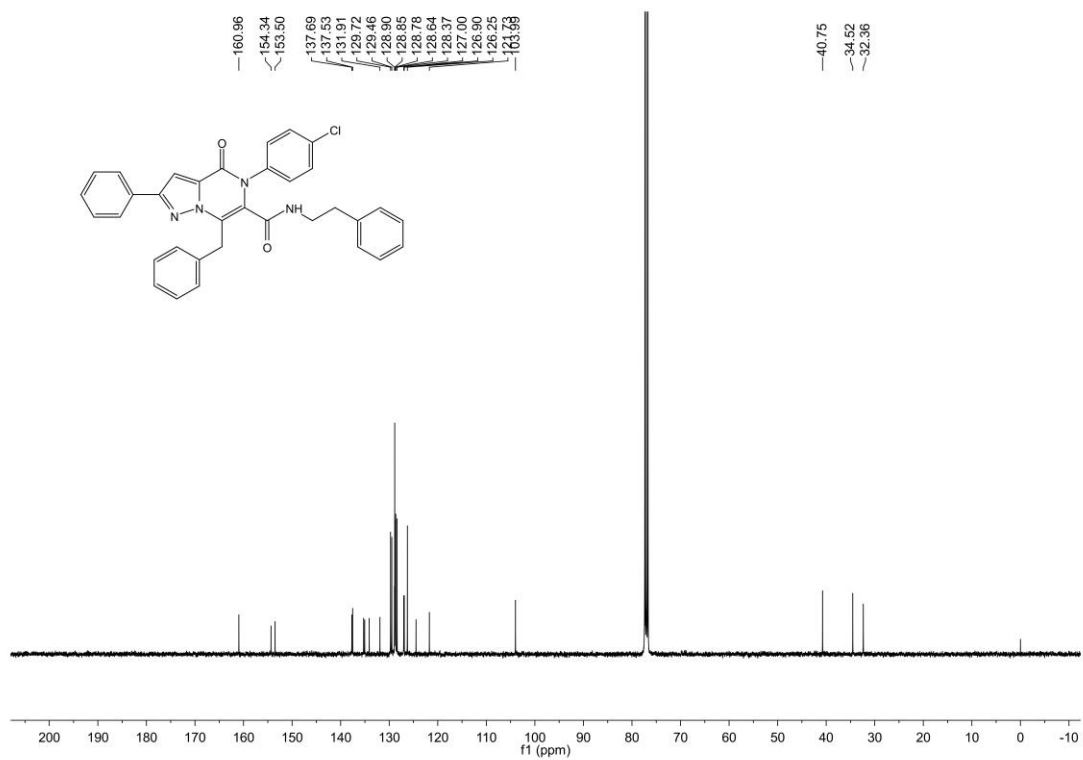
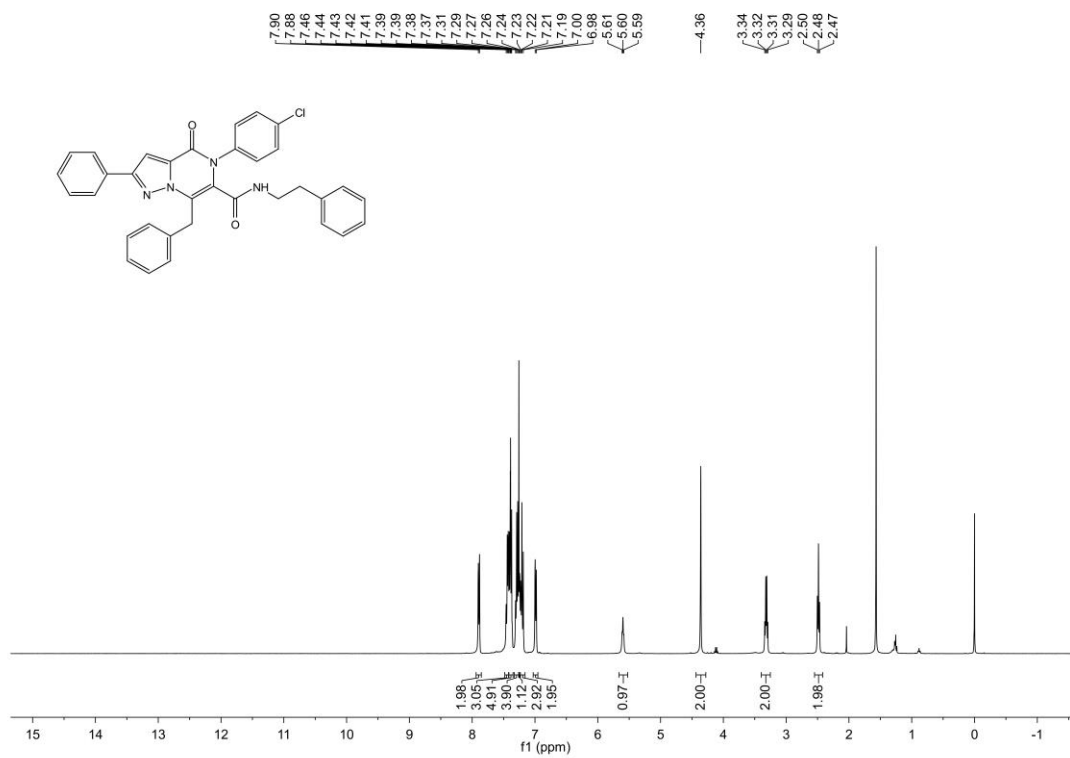




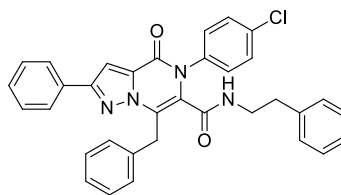
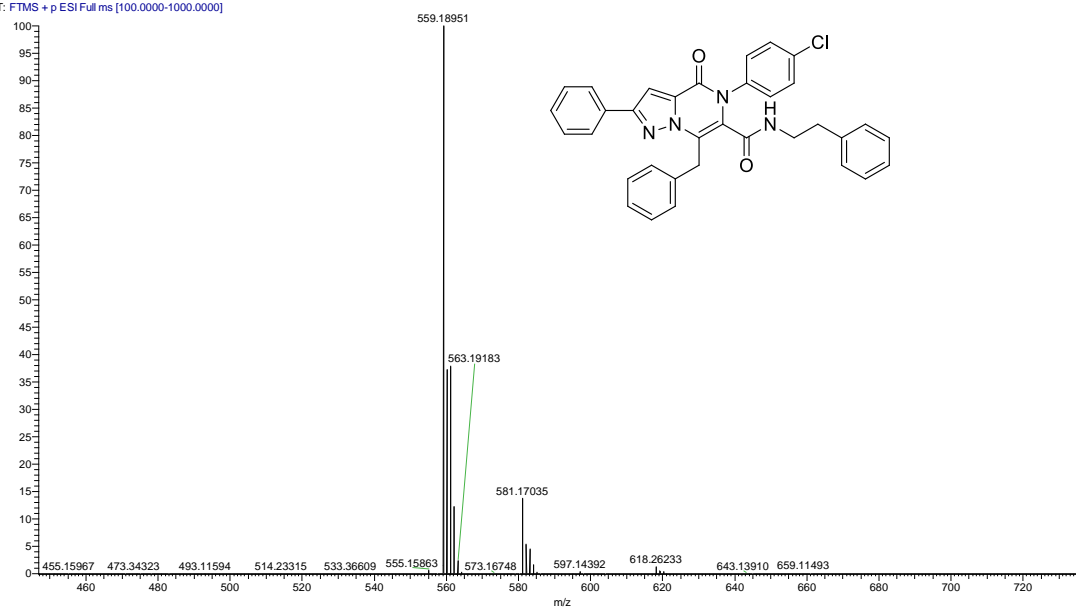
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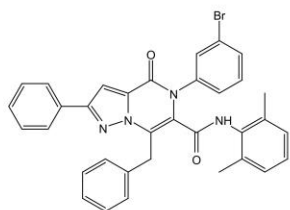
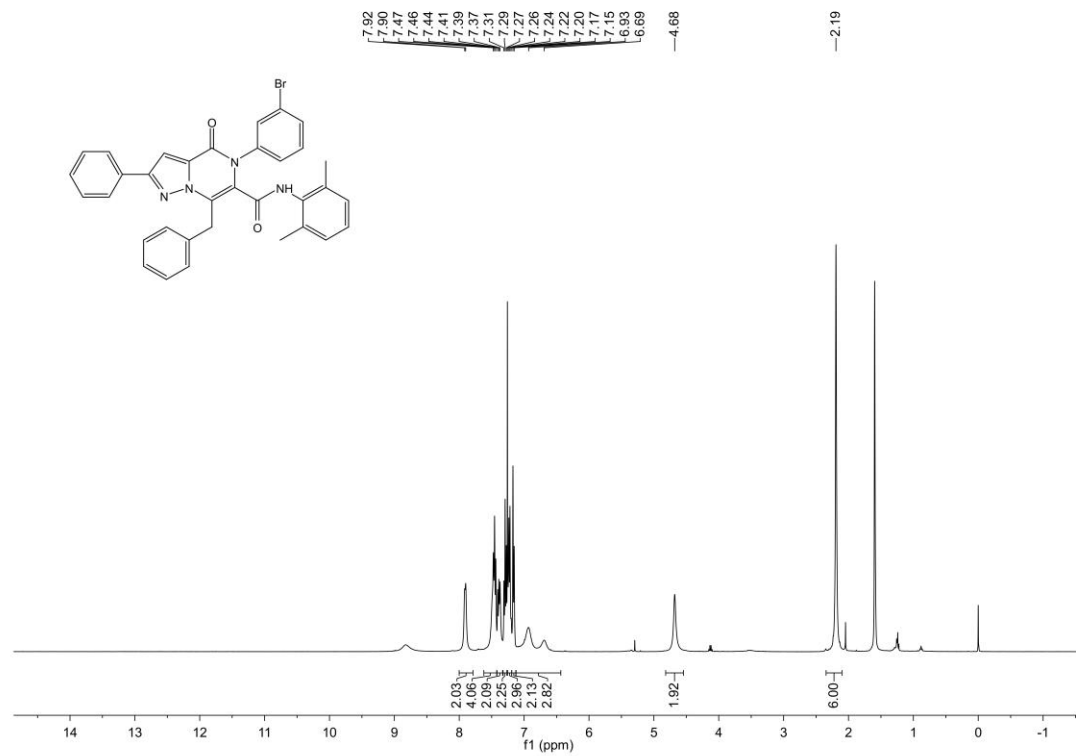
Compound 71

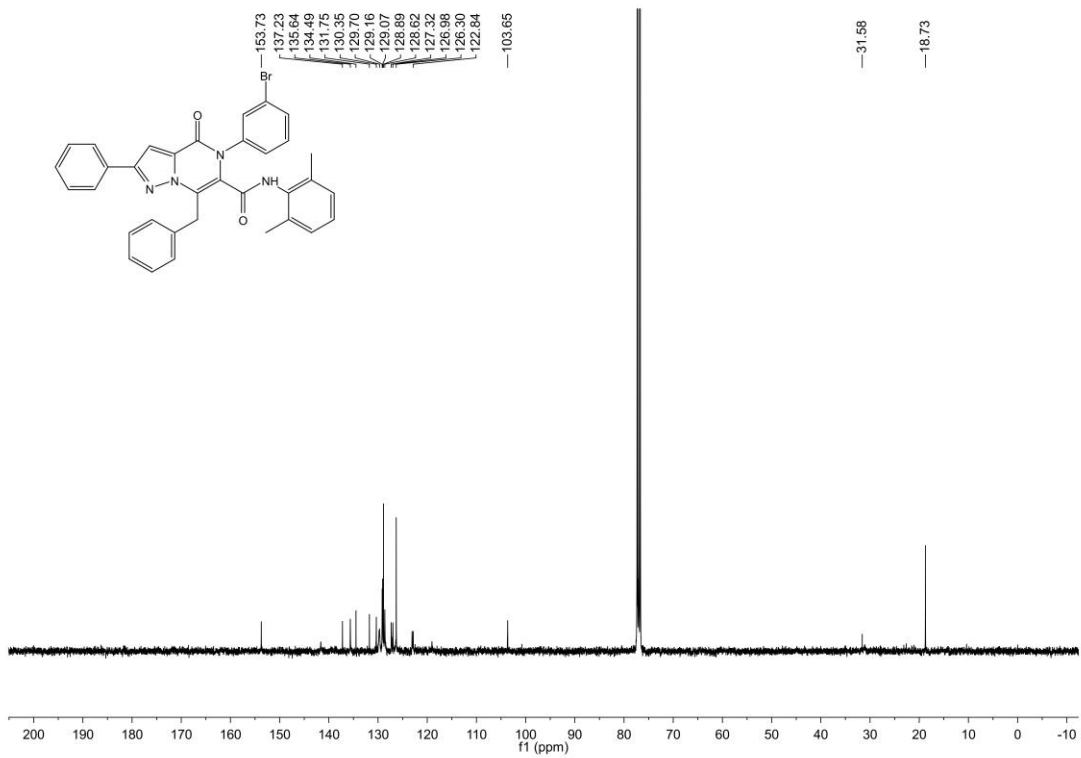


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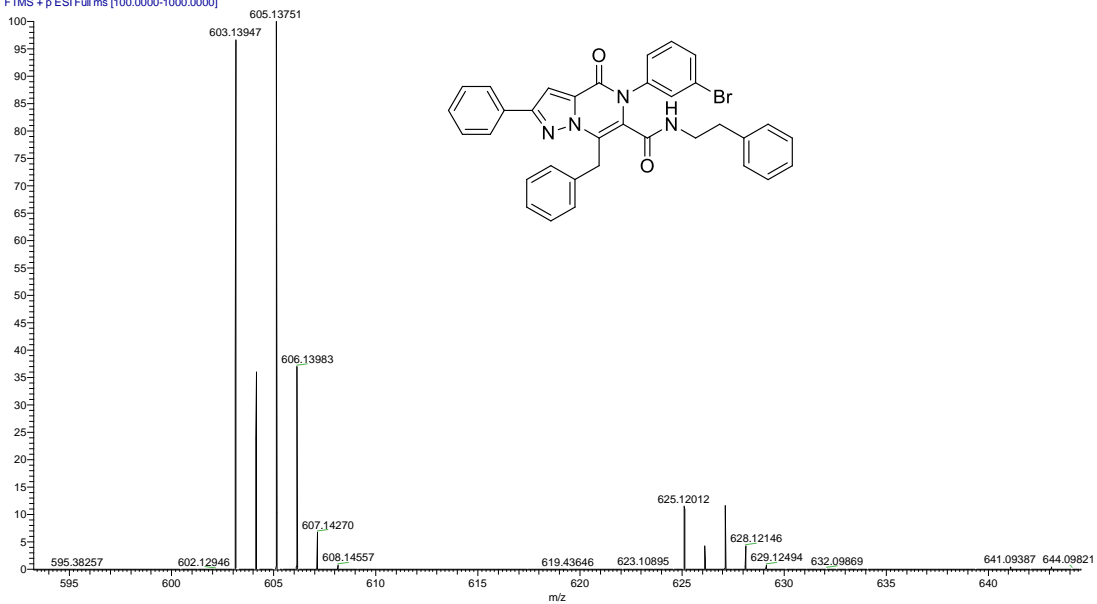


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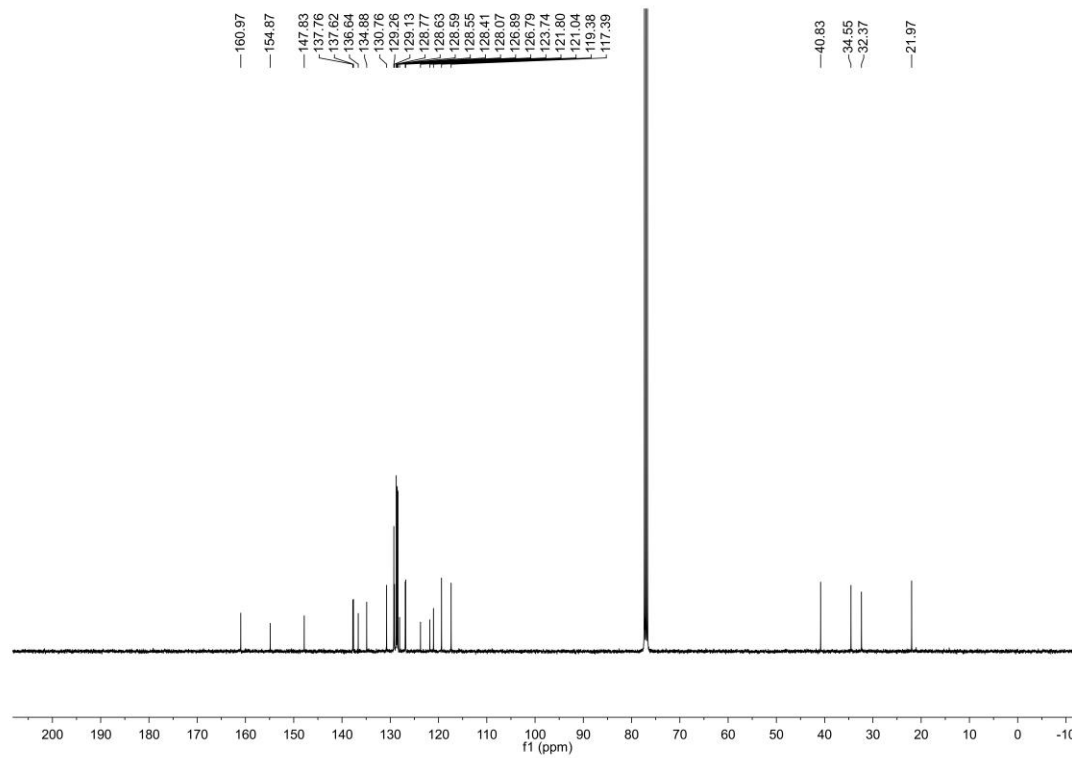
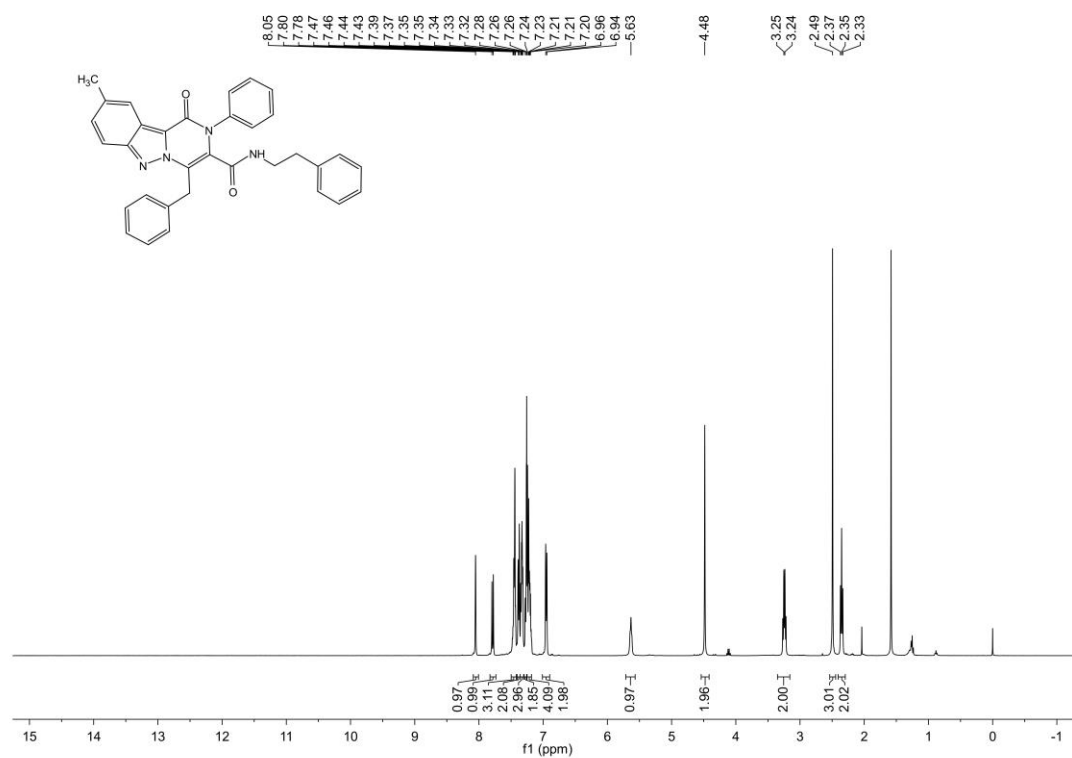




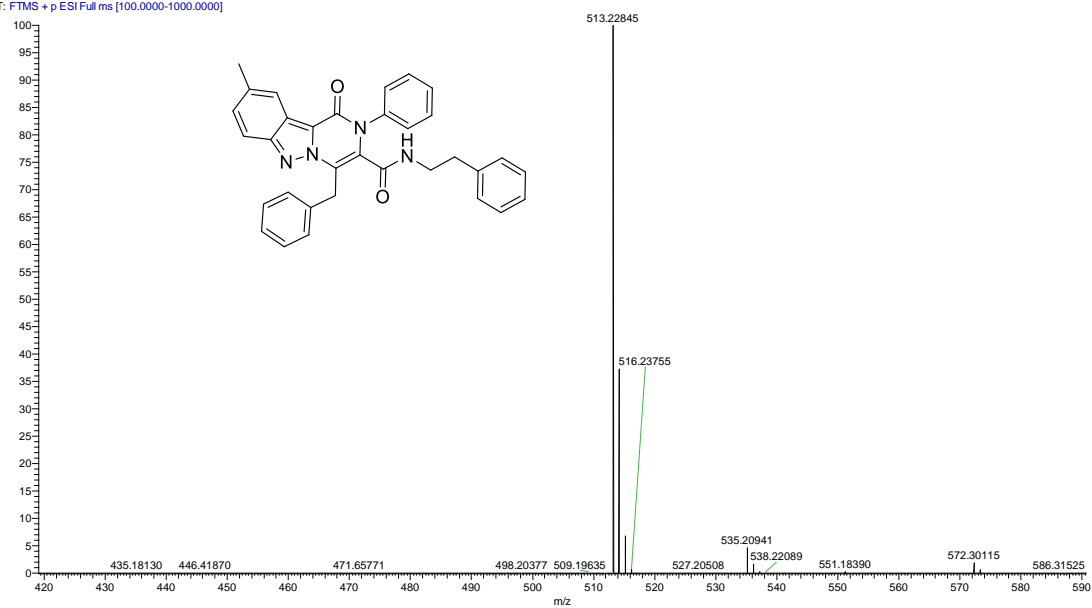
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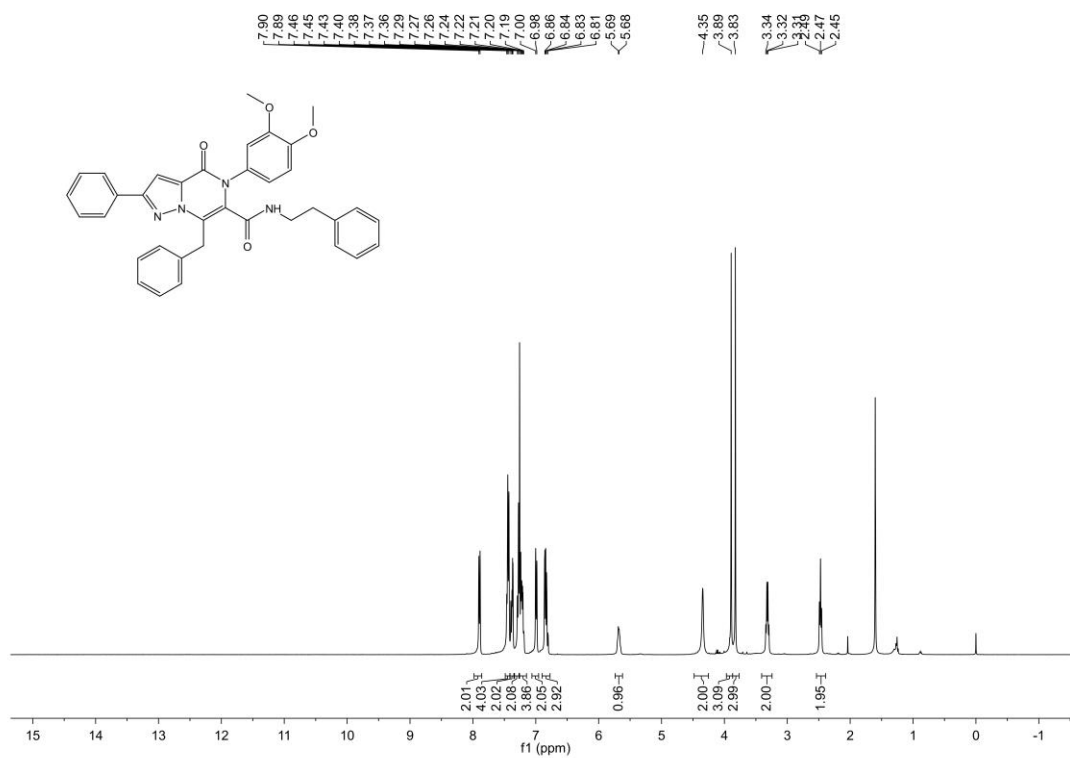
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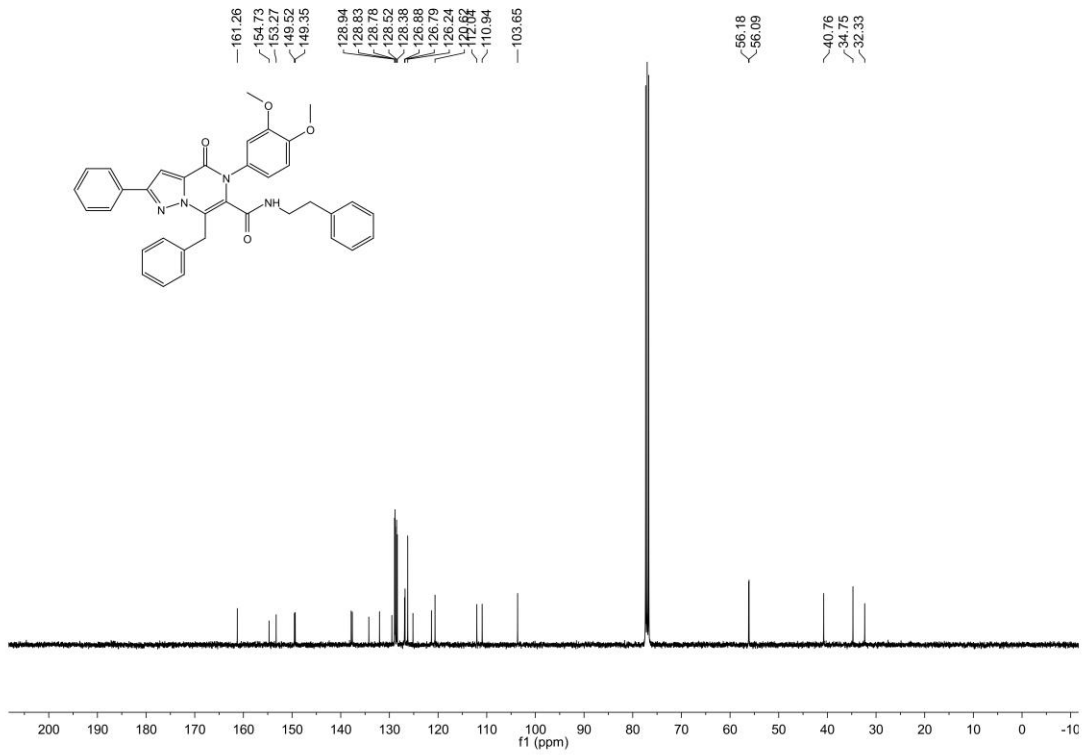


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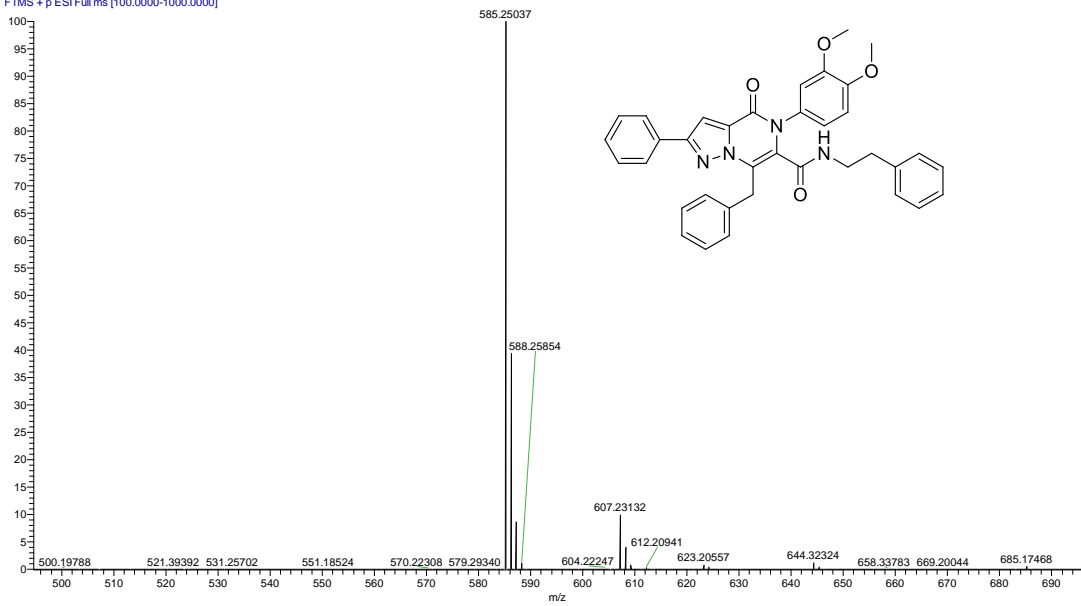


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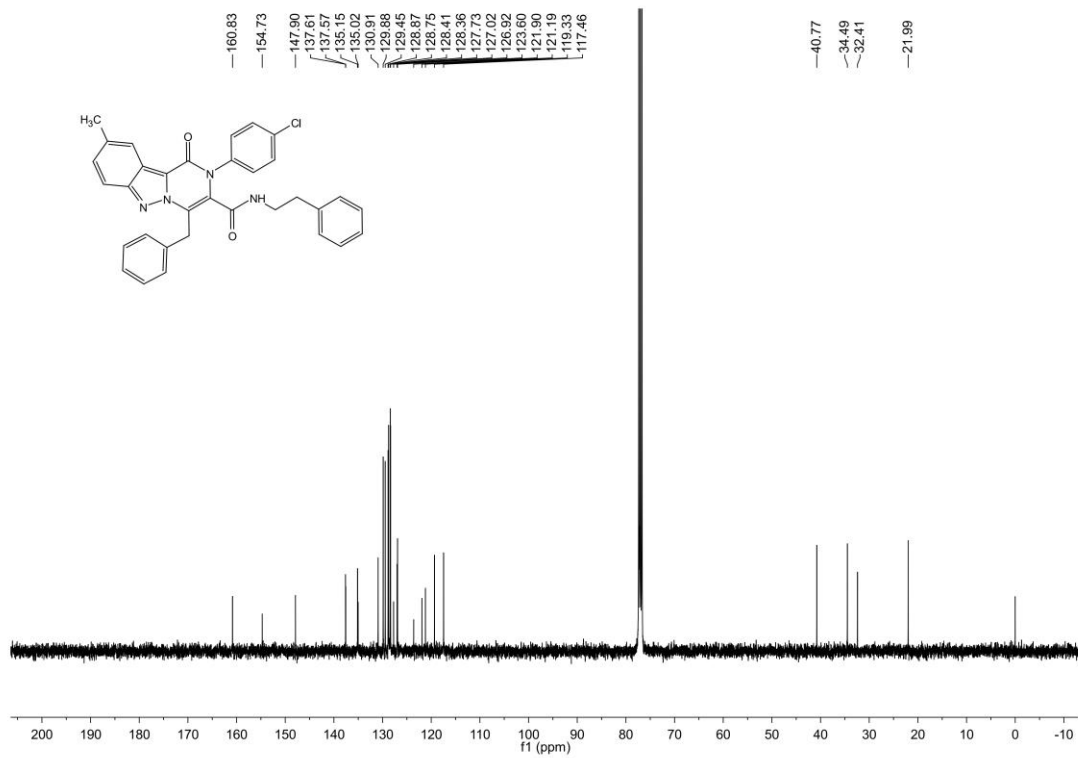
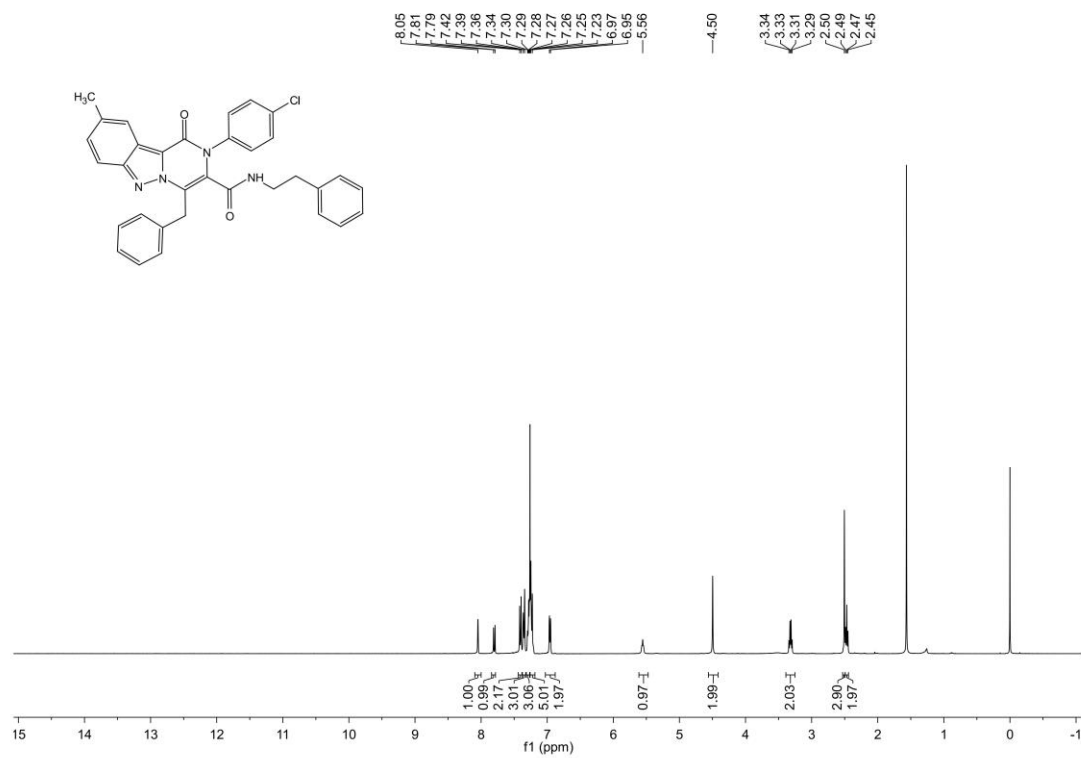




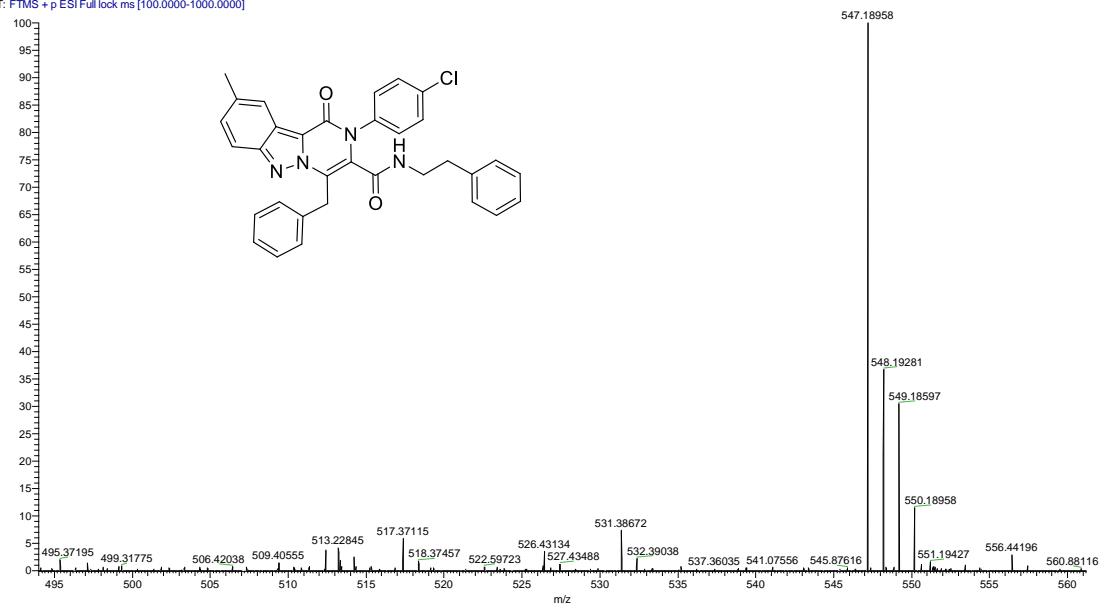
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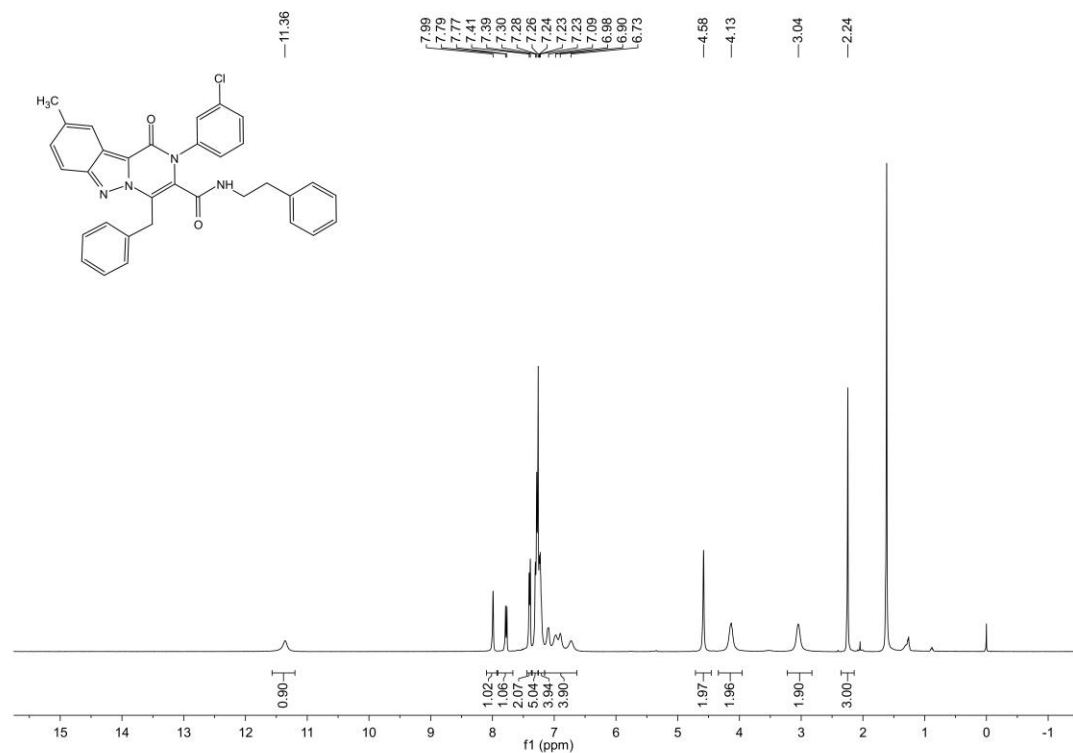
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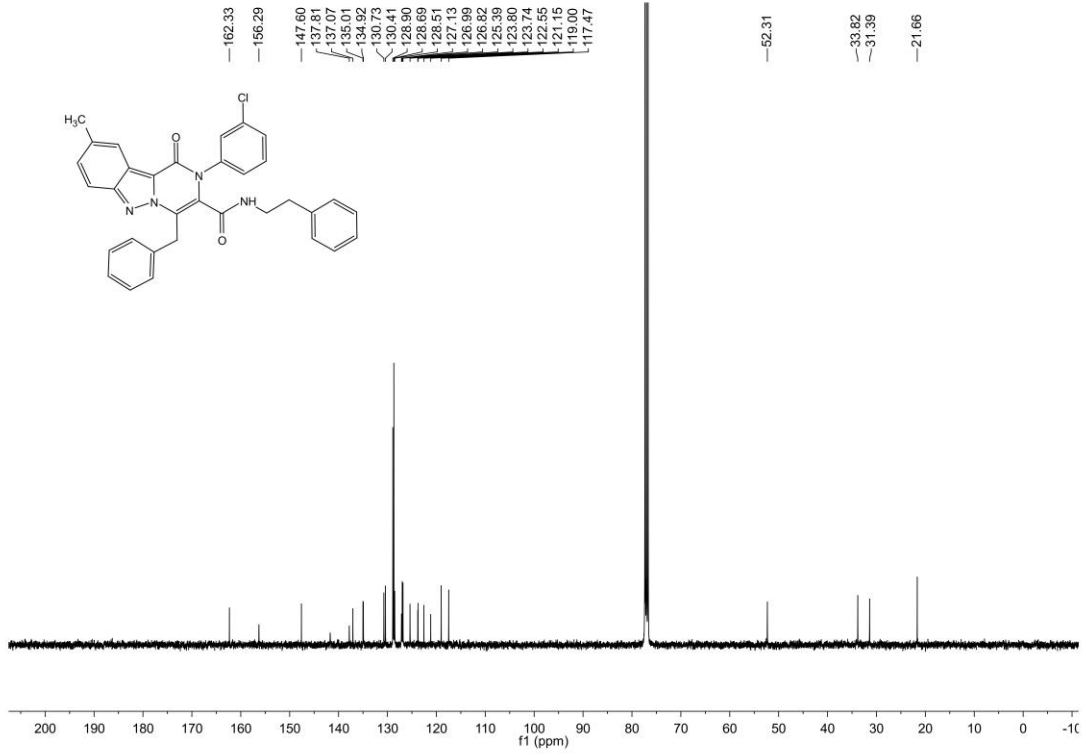


U7-7 #1039 RT: 7.46 AV: 1 NL: 7.76E6
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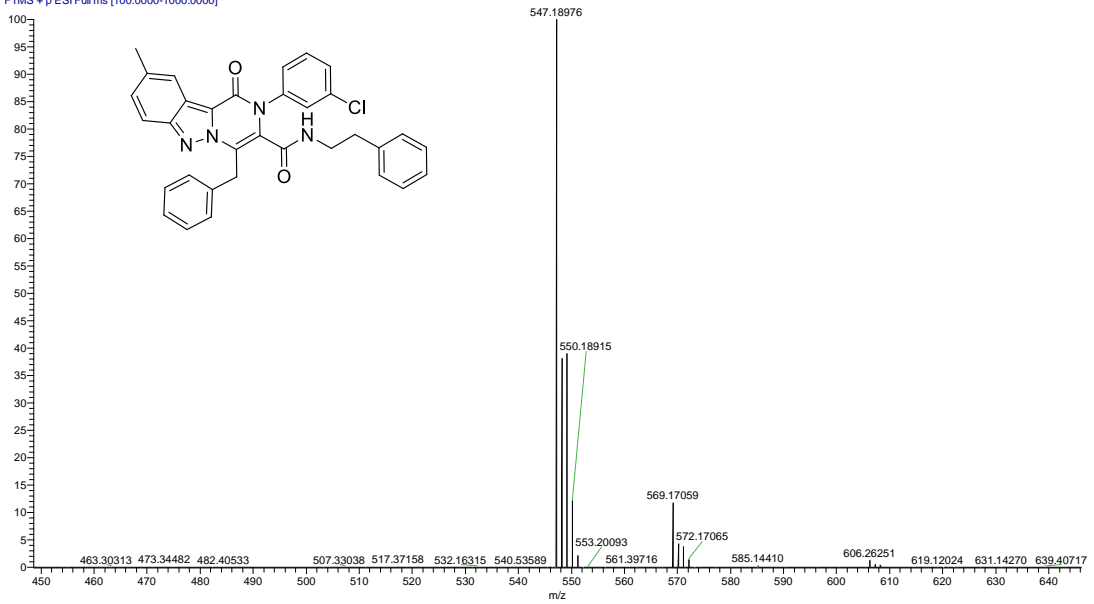


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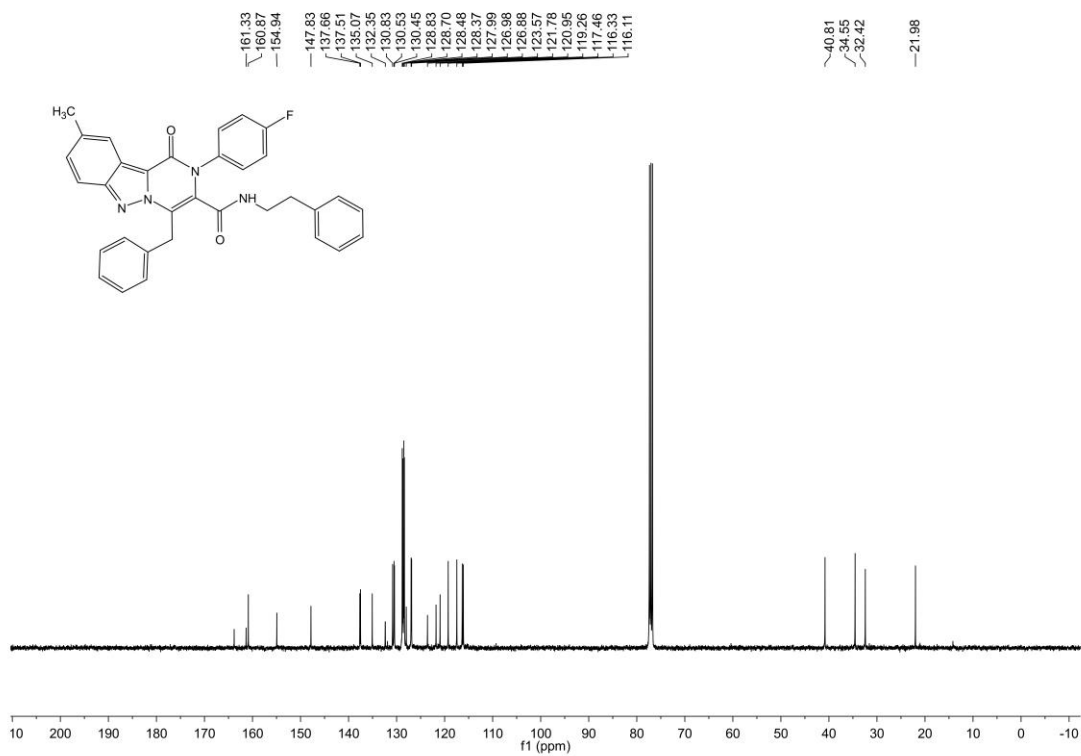
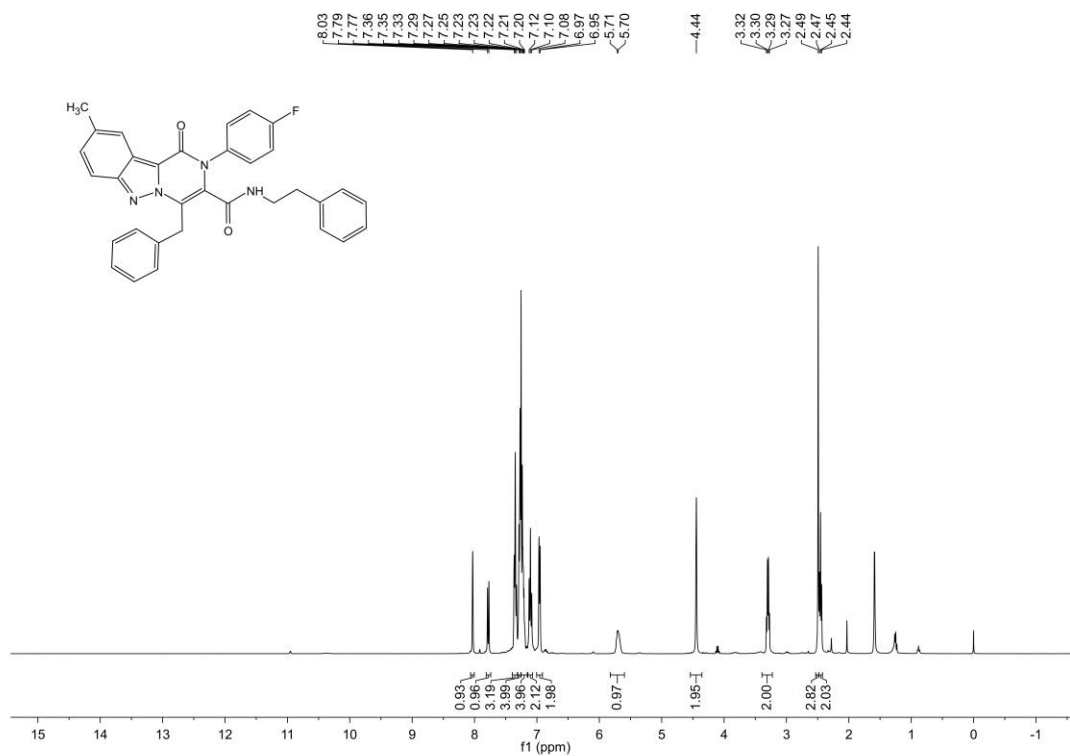




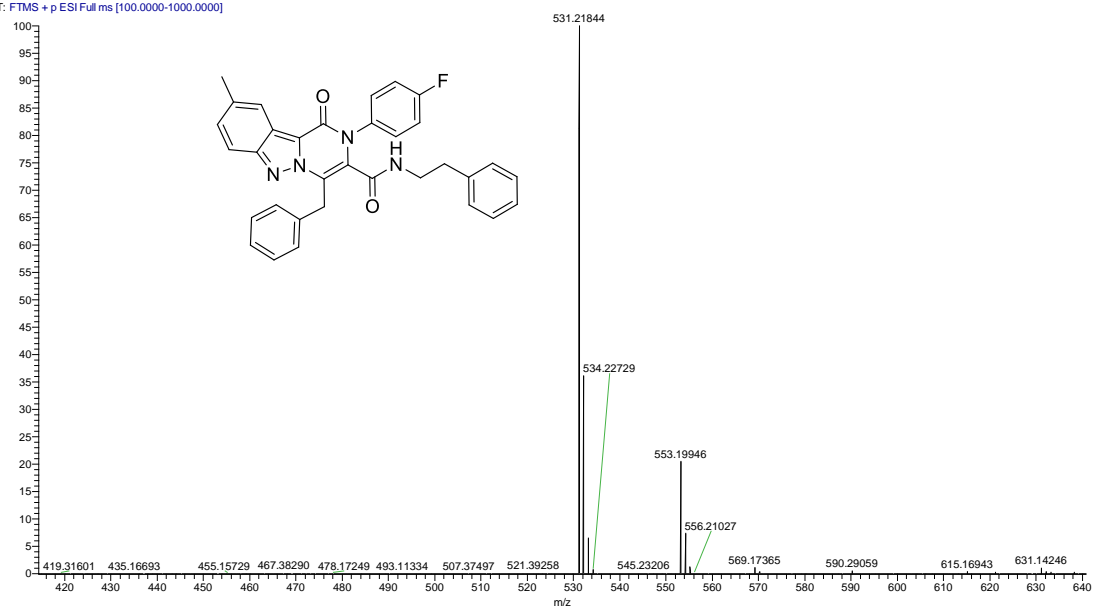
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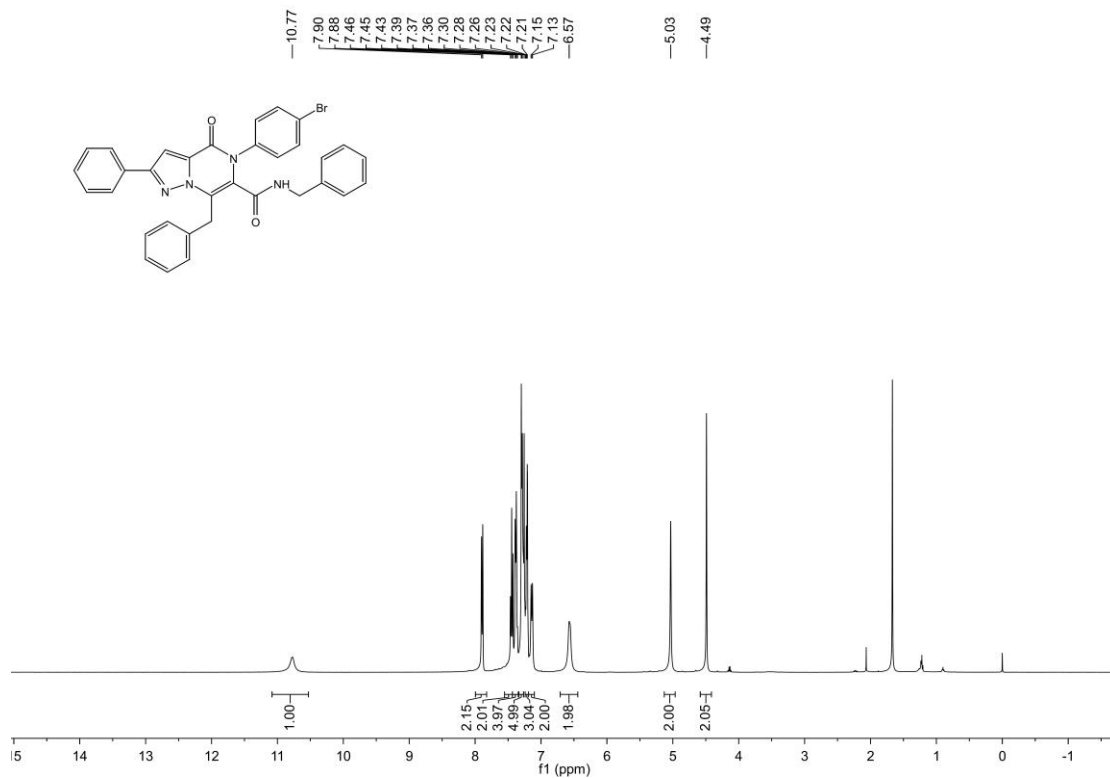
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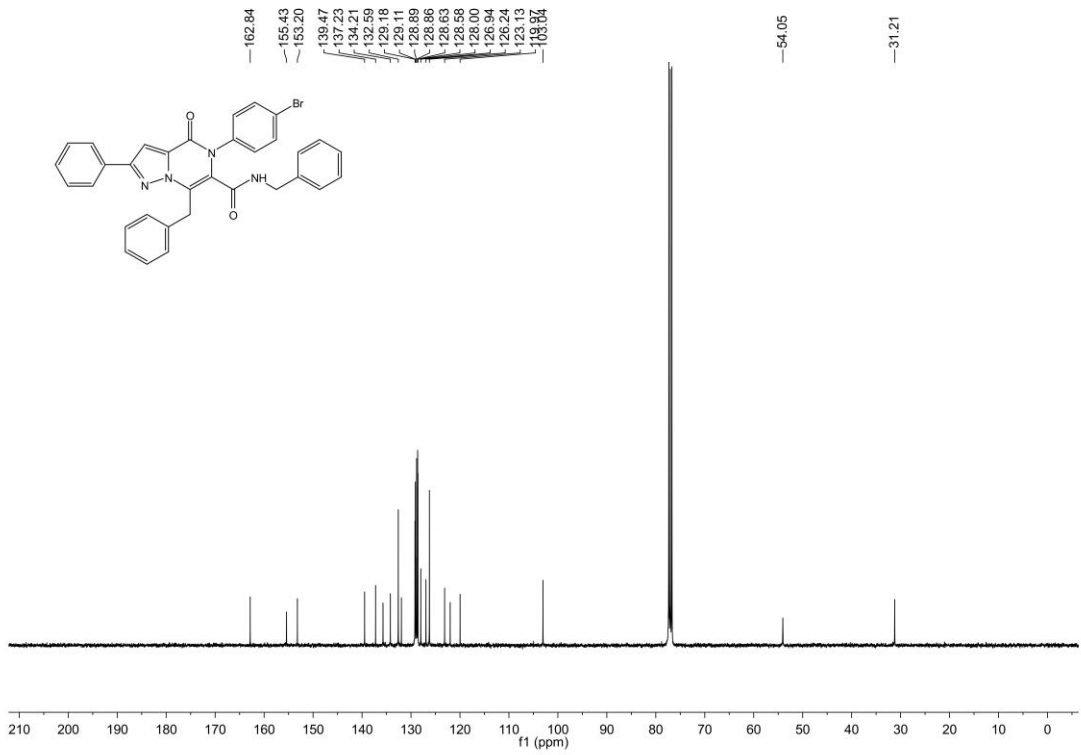


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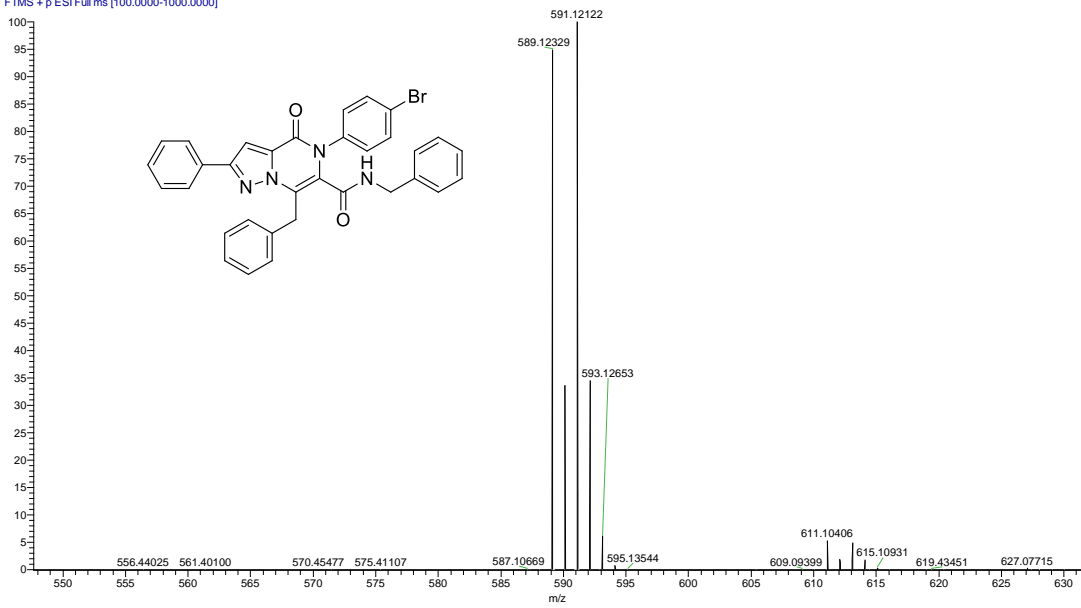


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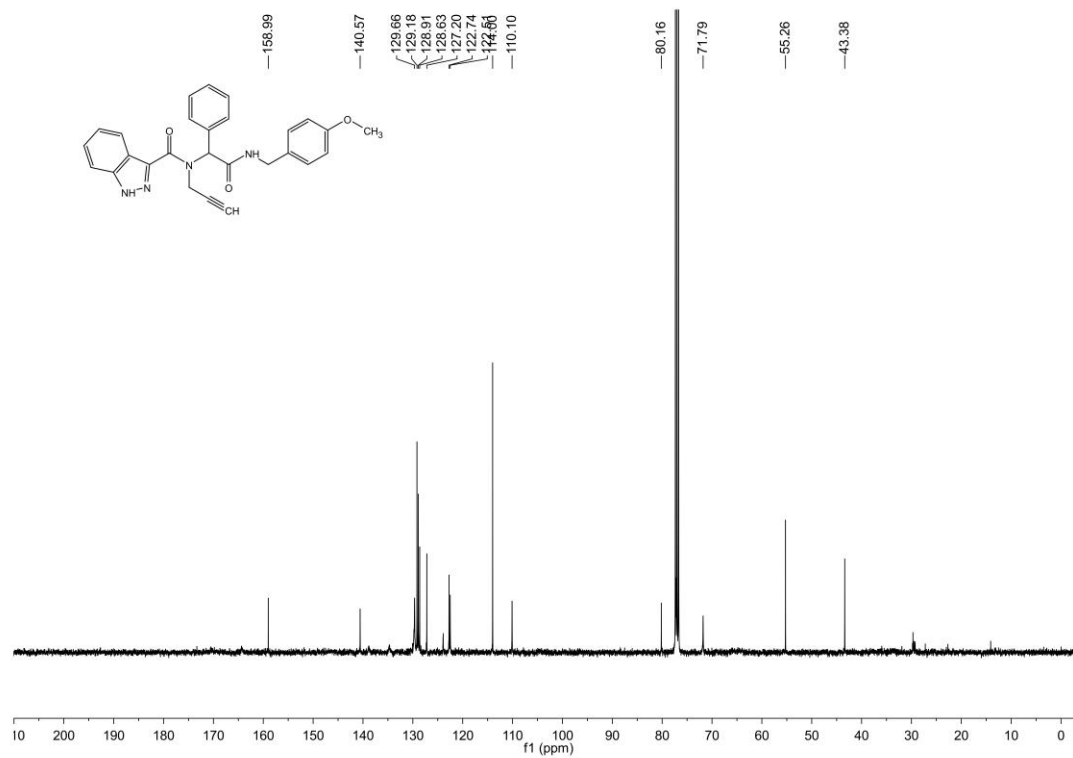
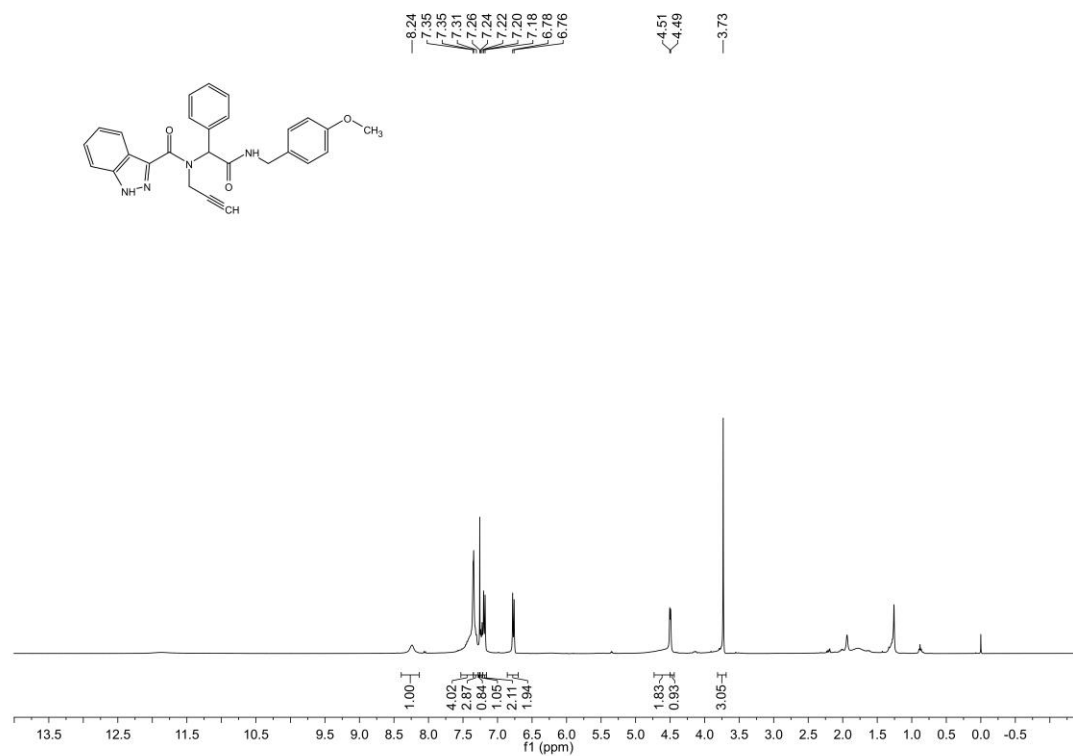




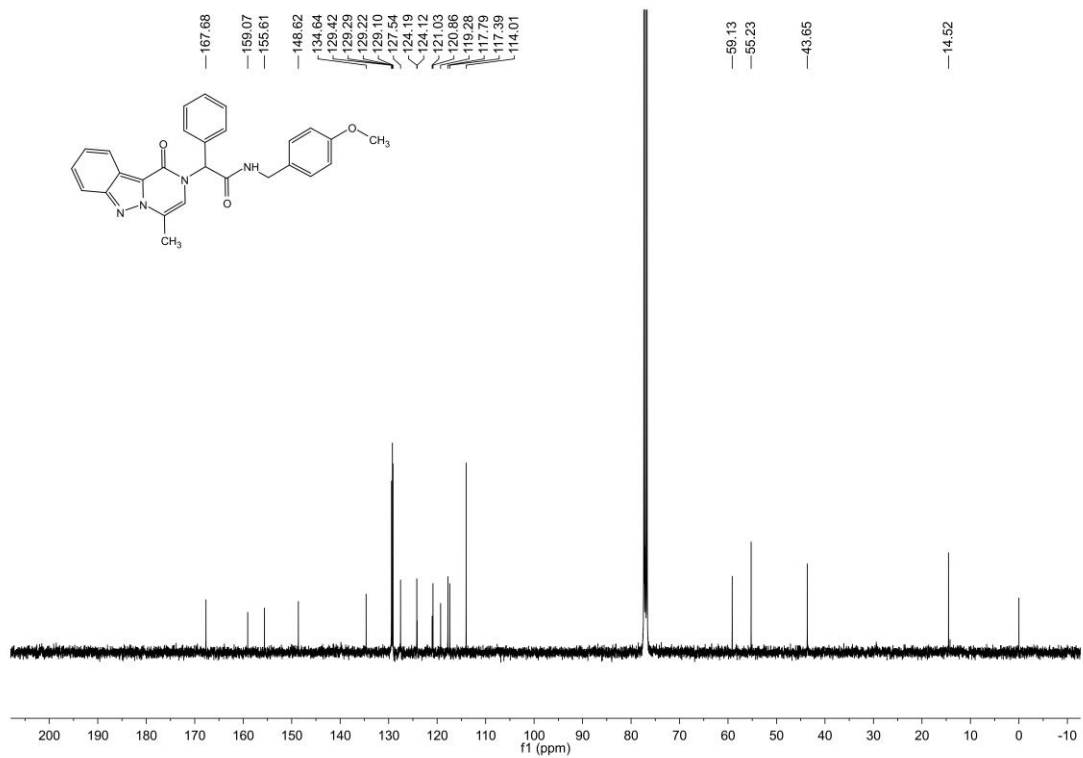
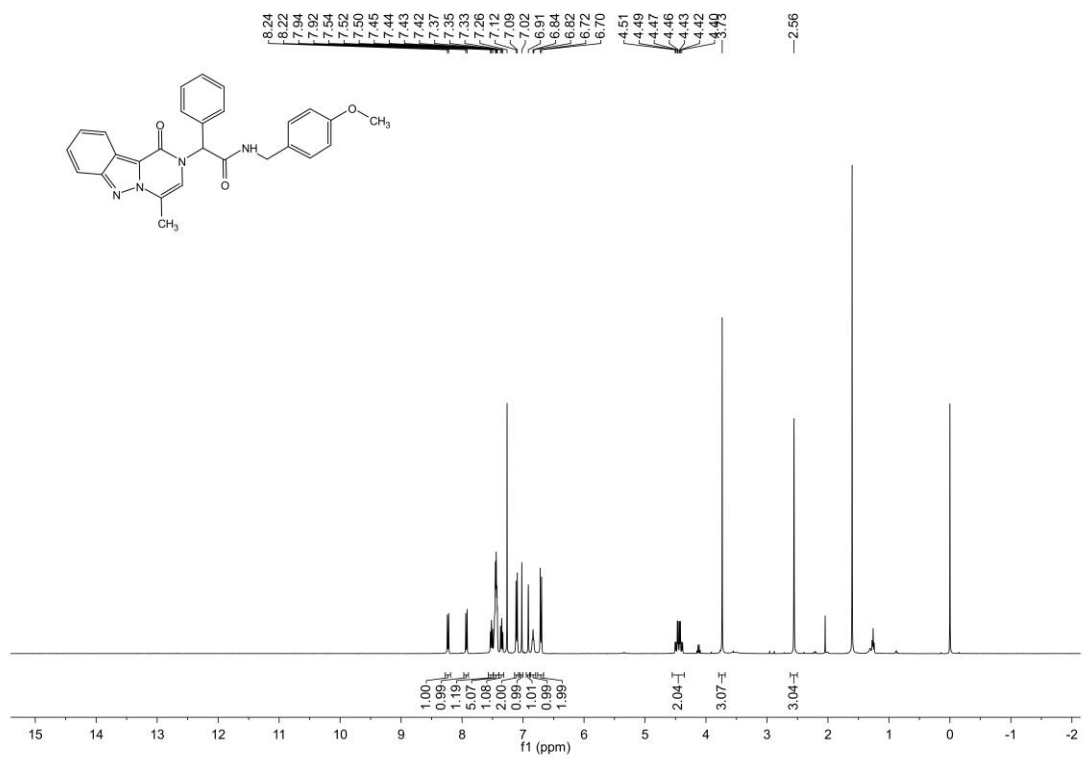
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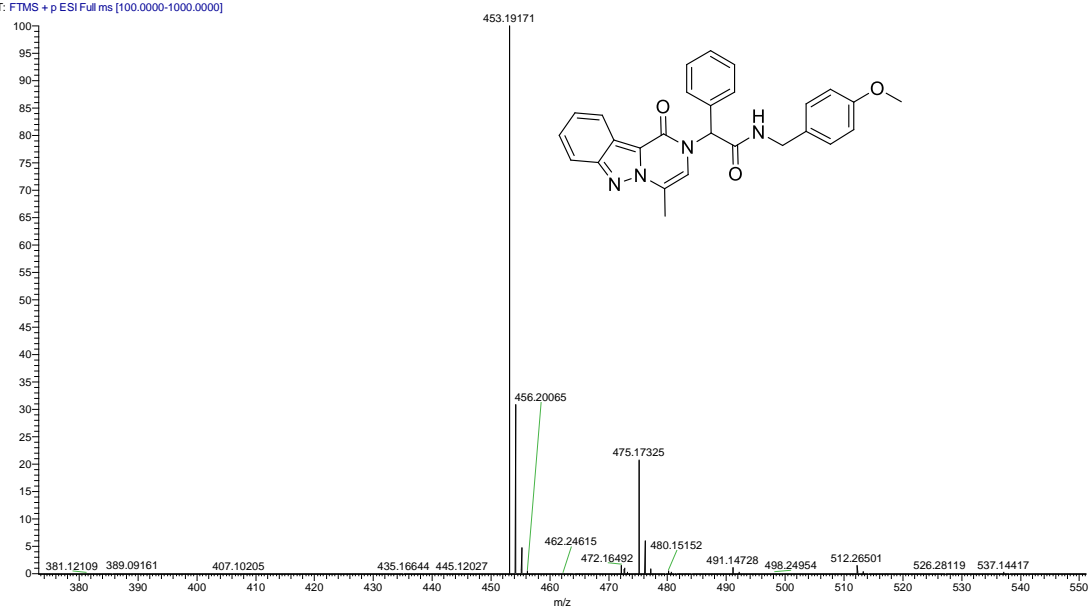
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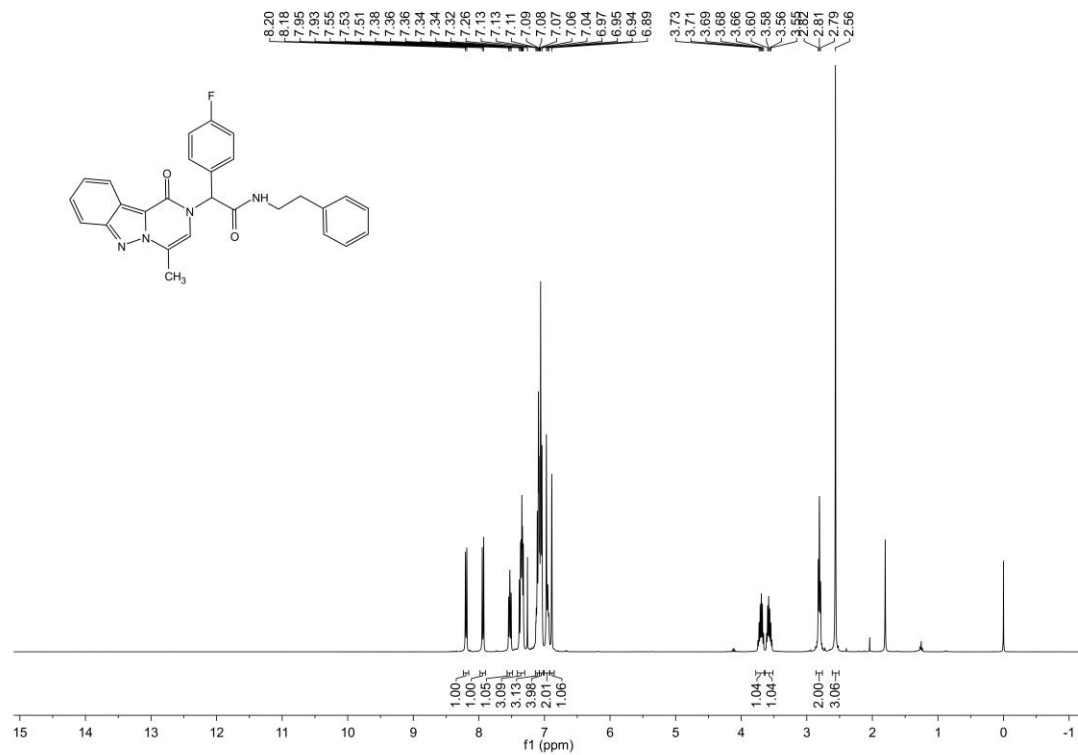
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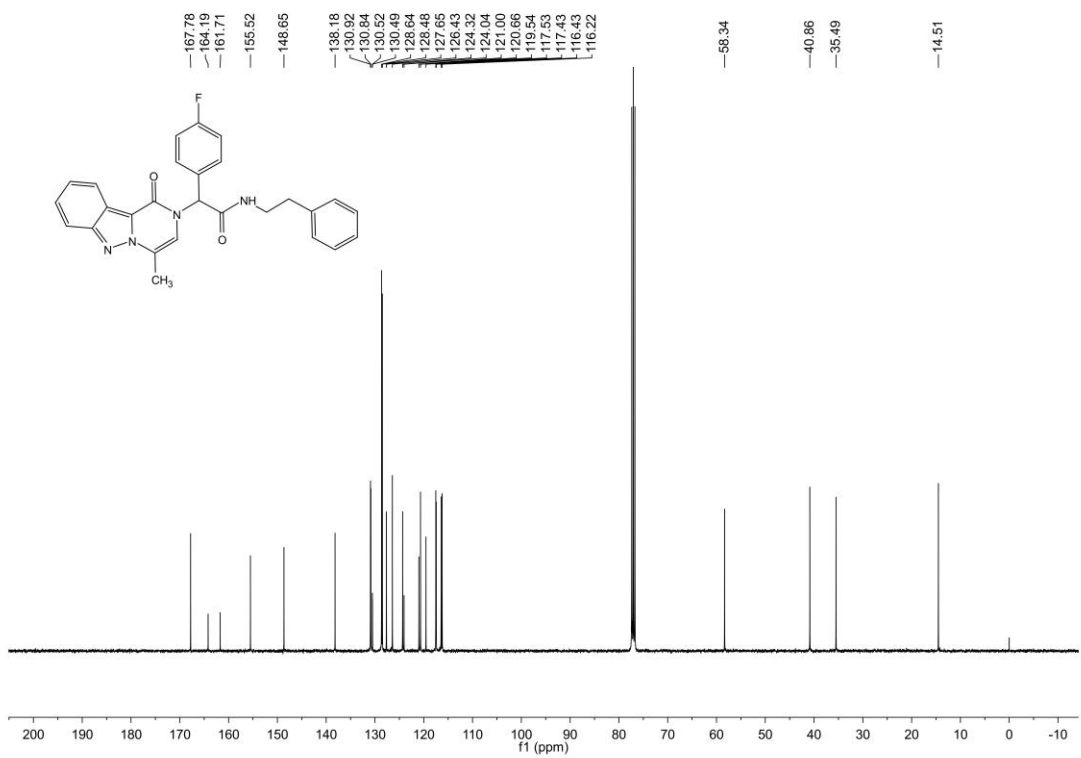


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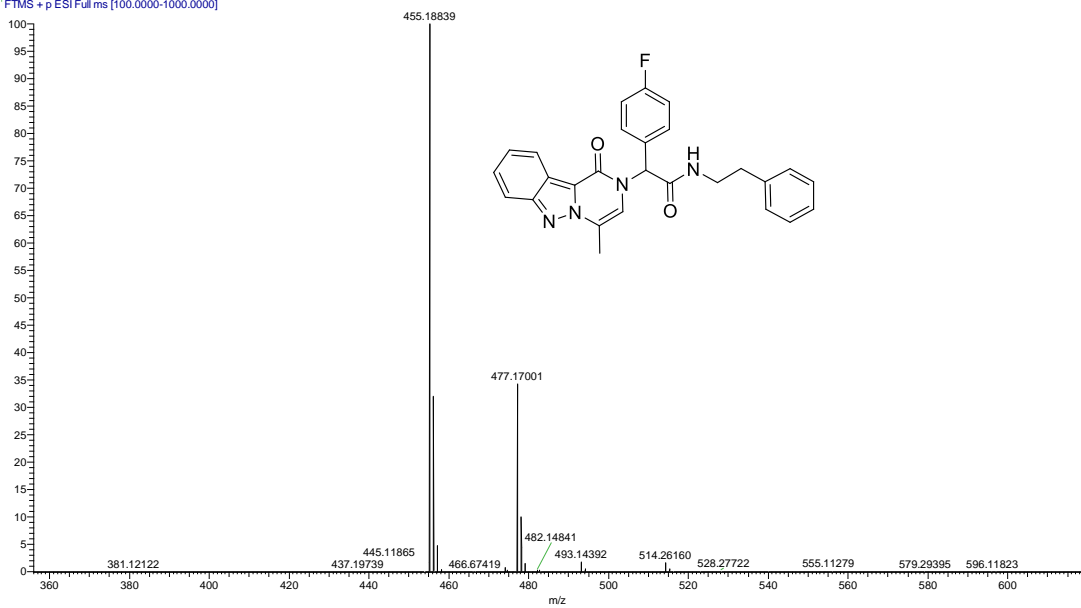


Compound 14b

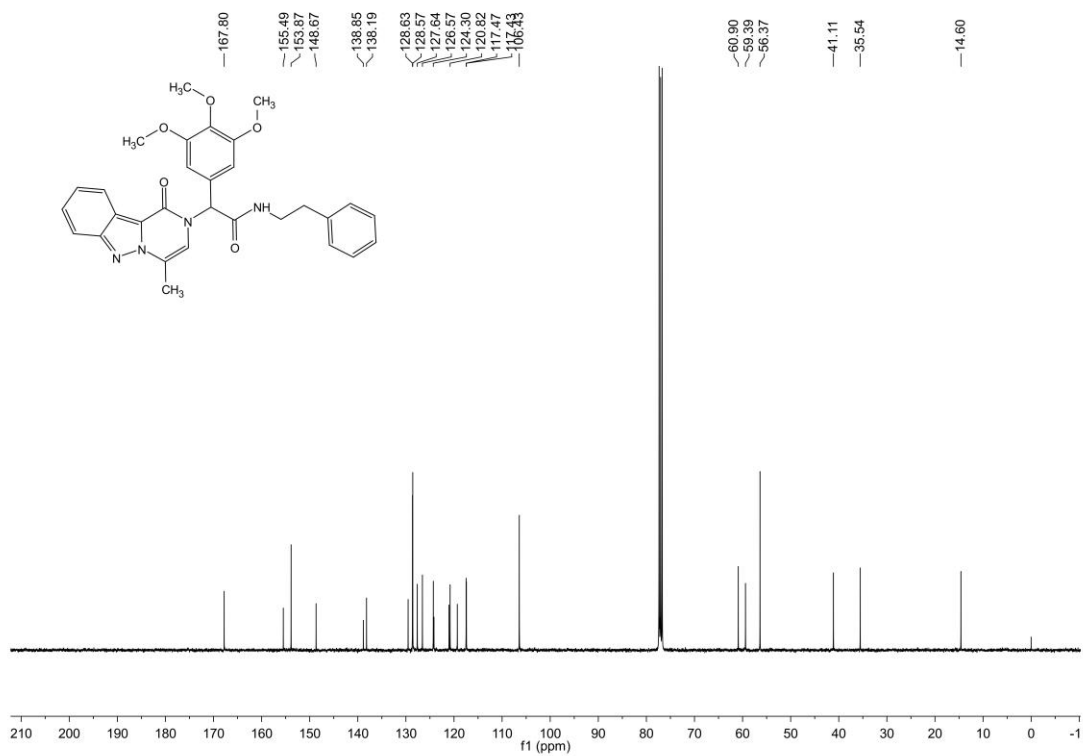
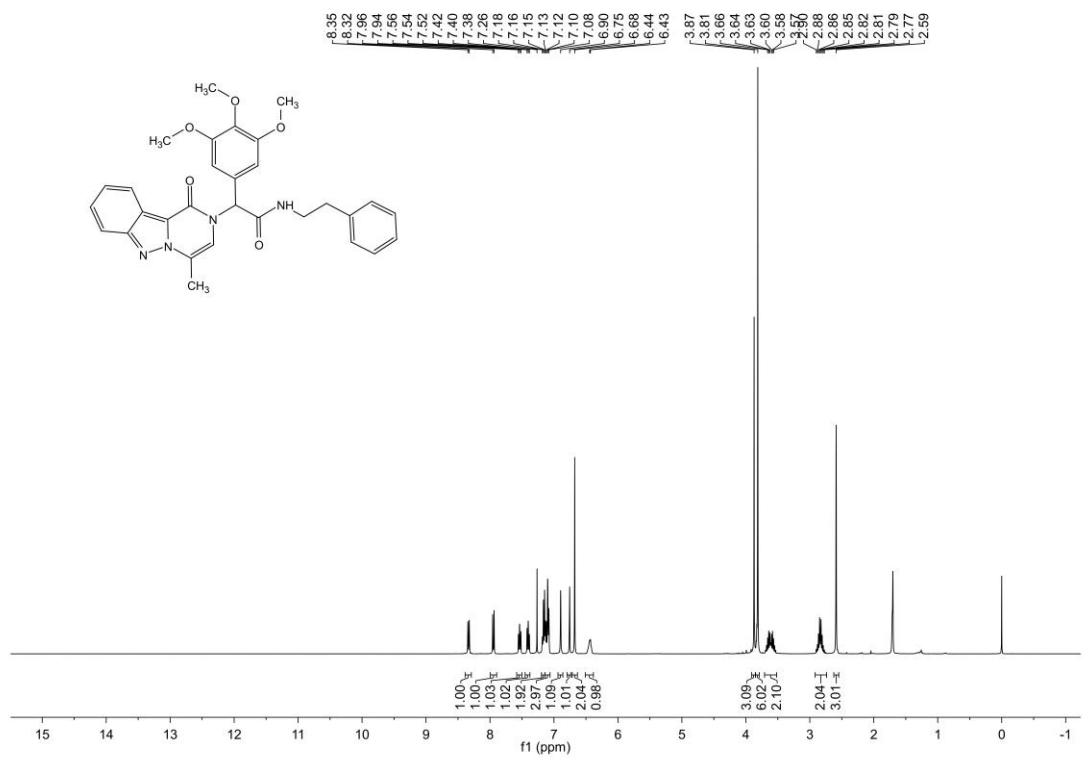




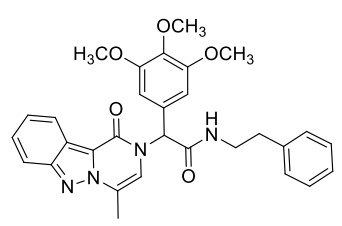
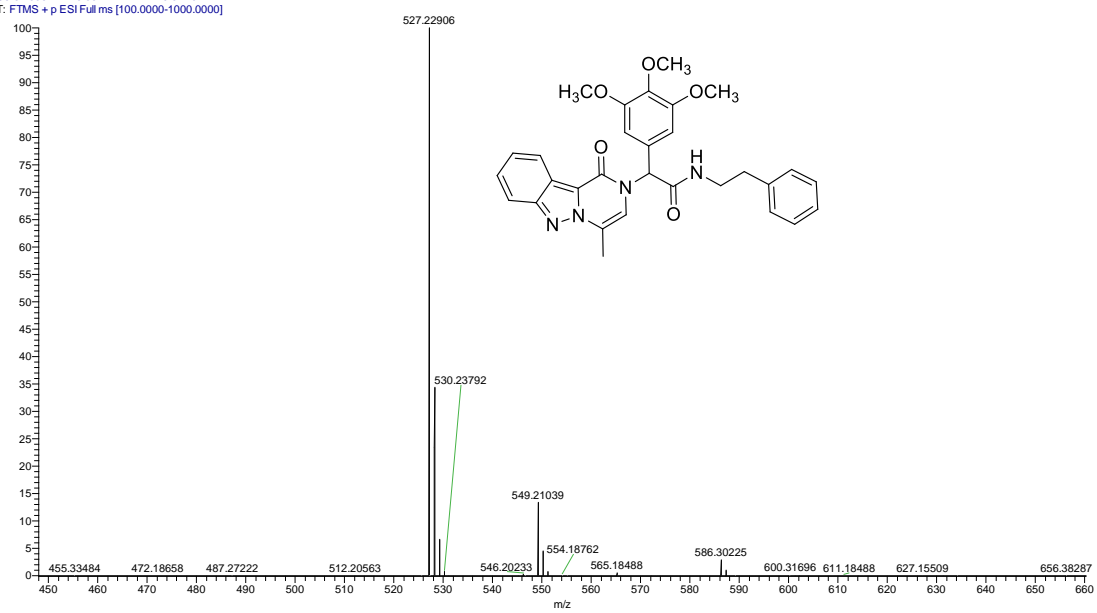
U6-2#914 RT: 6.58 AV: 1 NL: 8.82E8
T: FTMS + p ESI Full ms [100.0000-1000.0000]



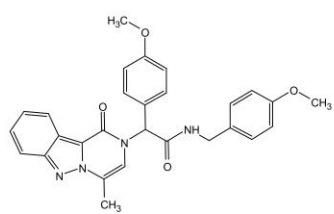
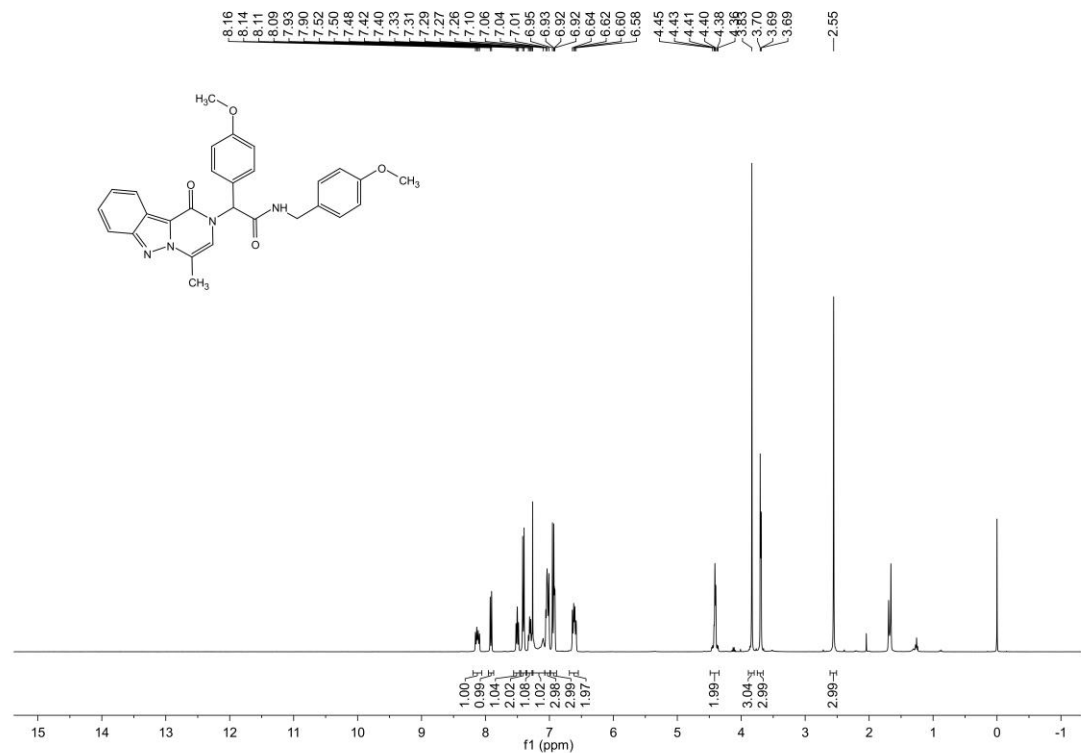
Compound **14c**

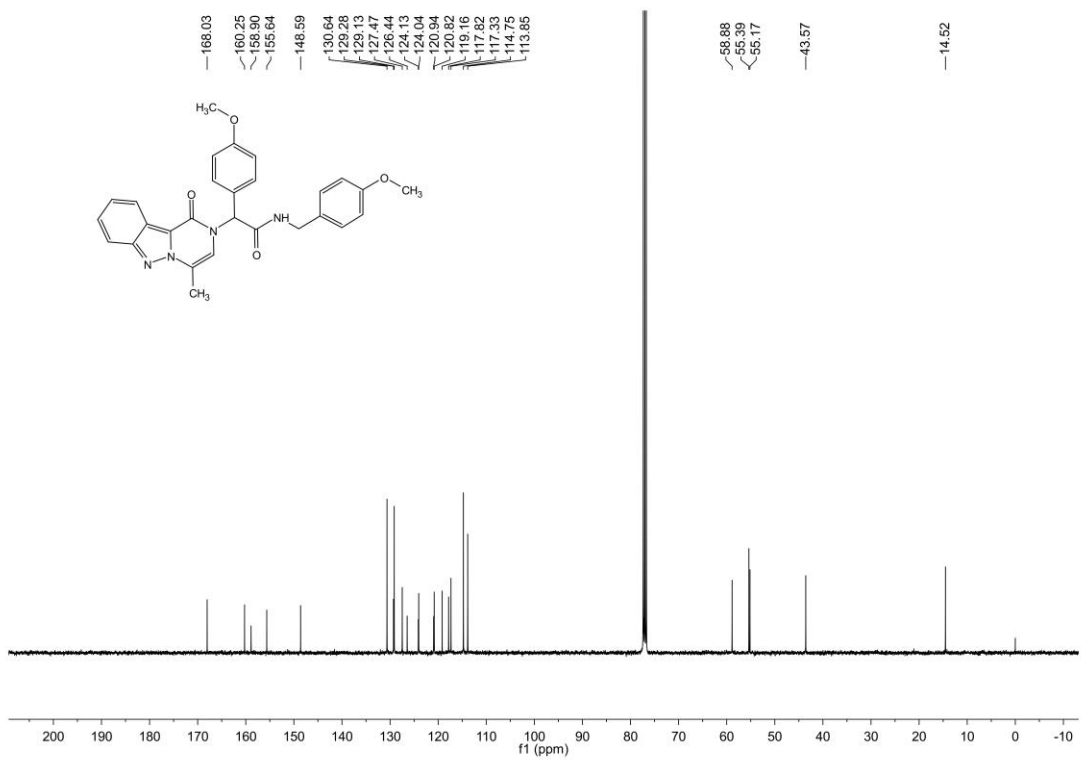


U6-3 #880 RT: 6.38 AV: 1 NL: 9.32E8
 T: FTMS + p ESI Full ms [100.0000-1000.0000]

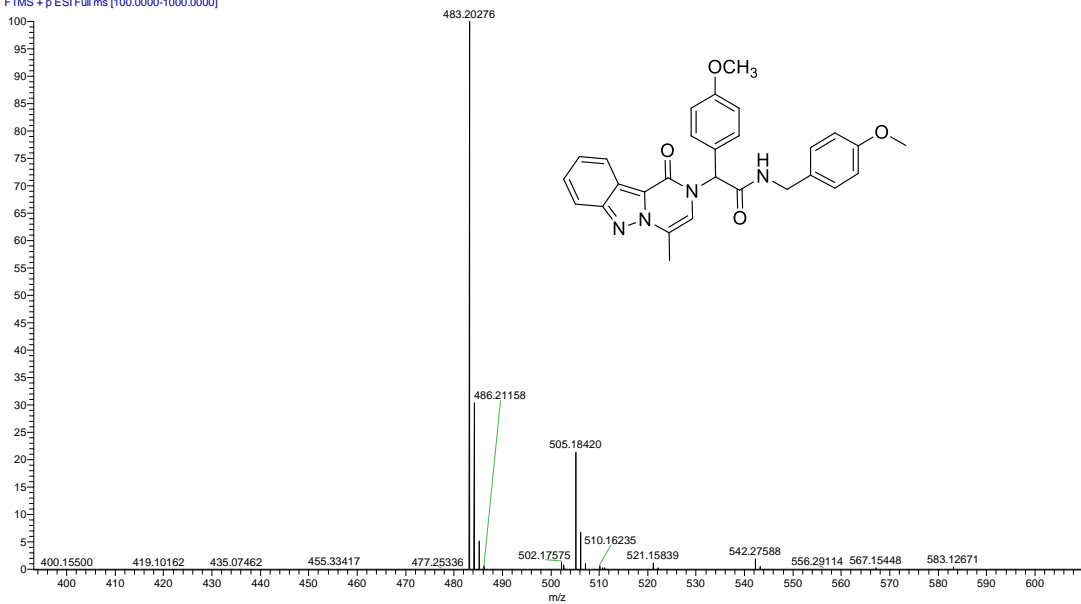


Compound **14d**

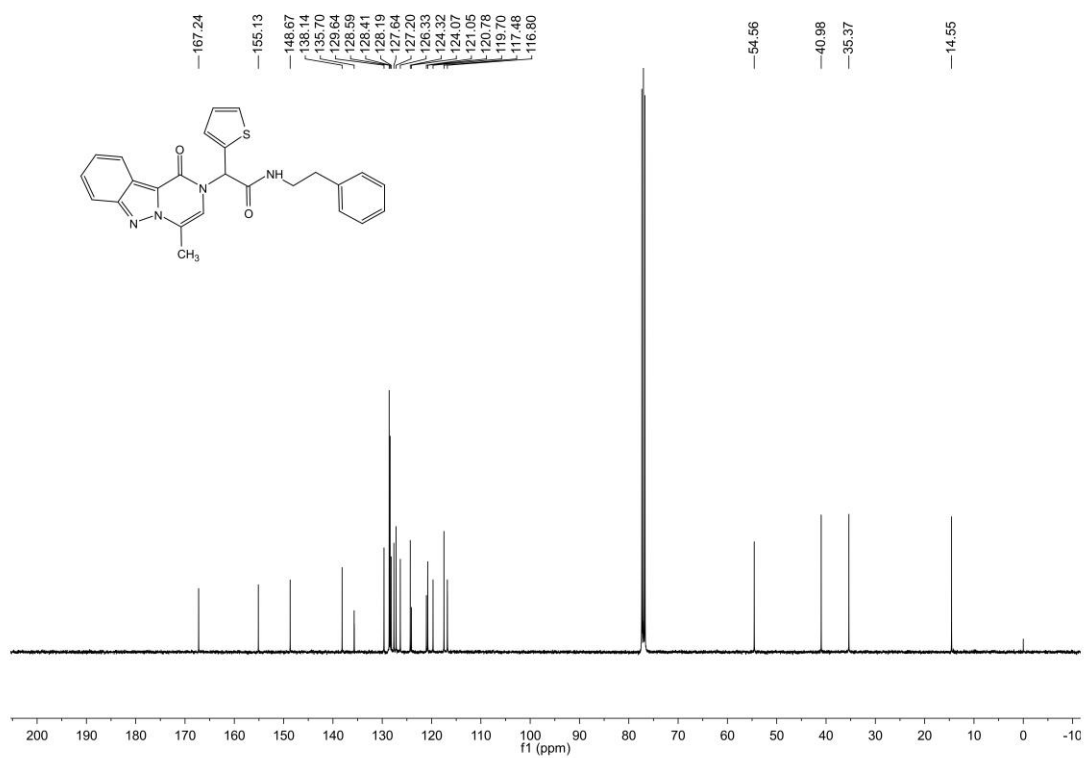
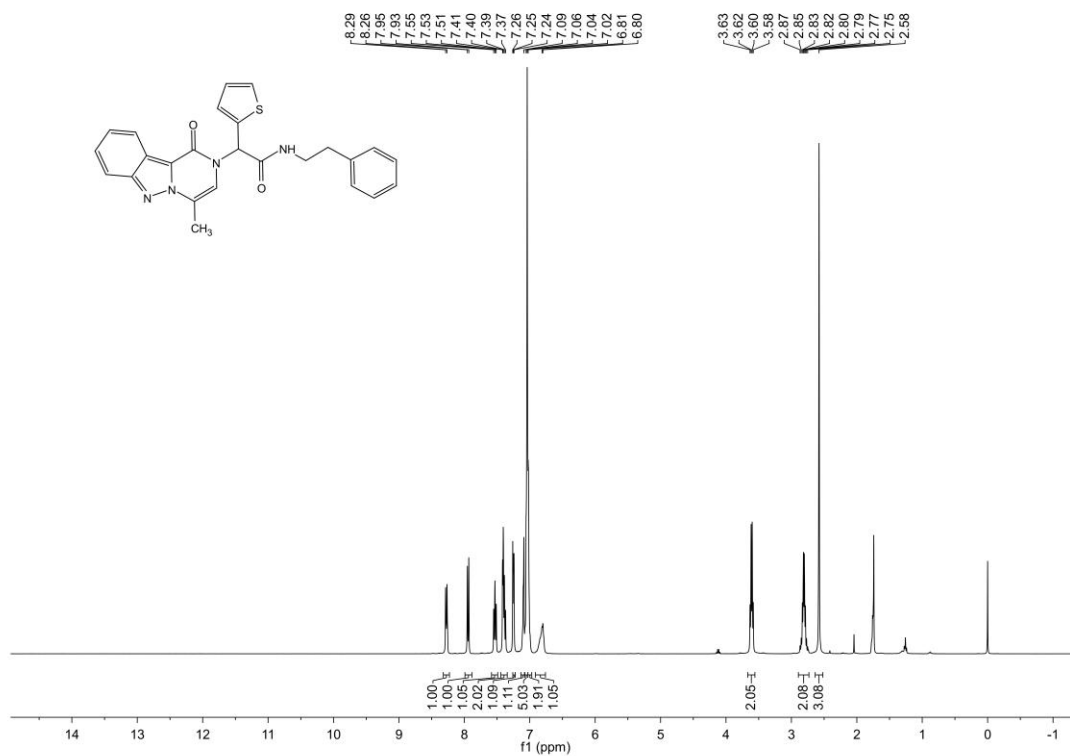




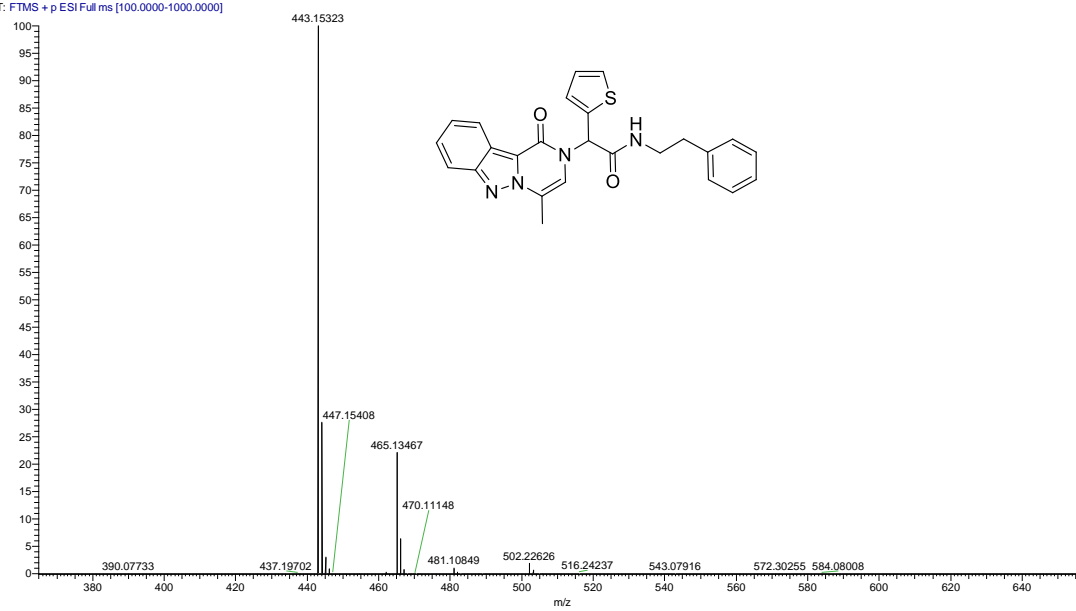
U6-4 #870 RT: 6.37 AV: 1 NL: 2.83E8
 T: FTMS + p ESI Full ms [100.0000-1000.0000]



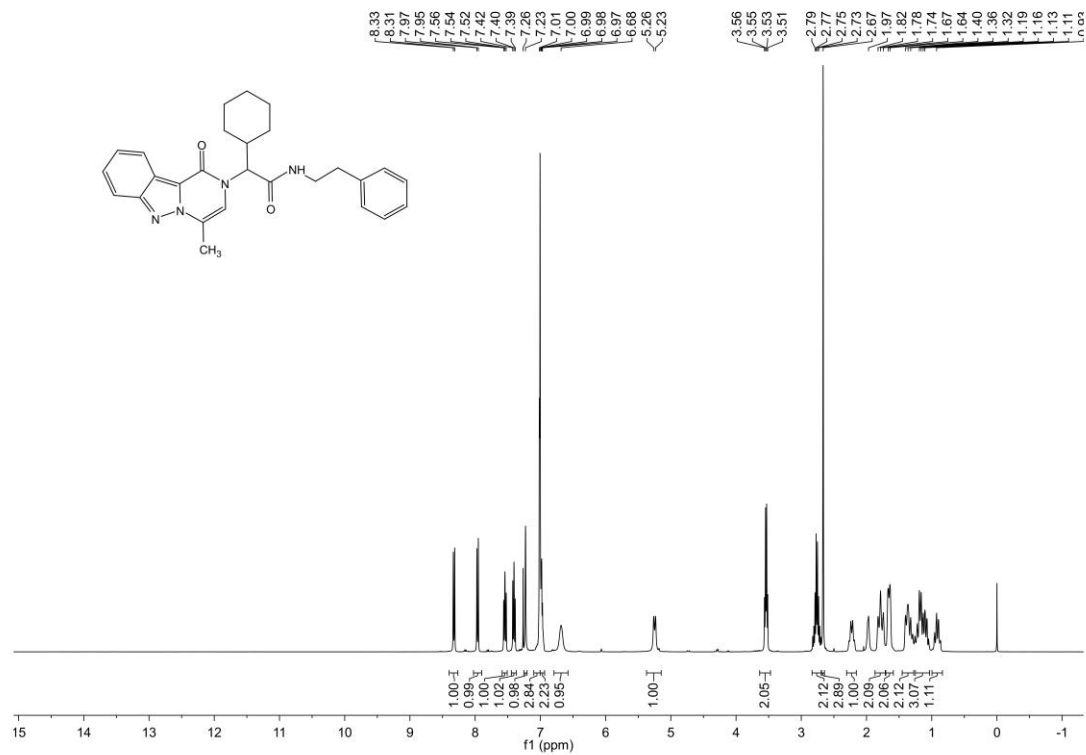
Compound **14e**

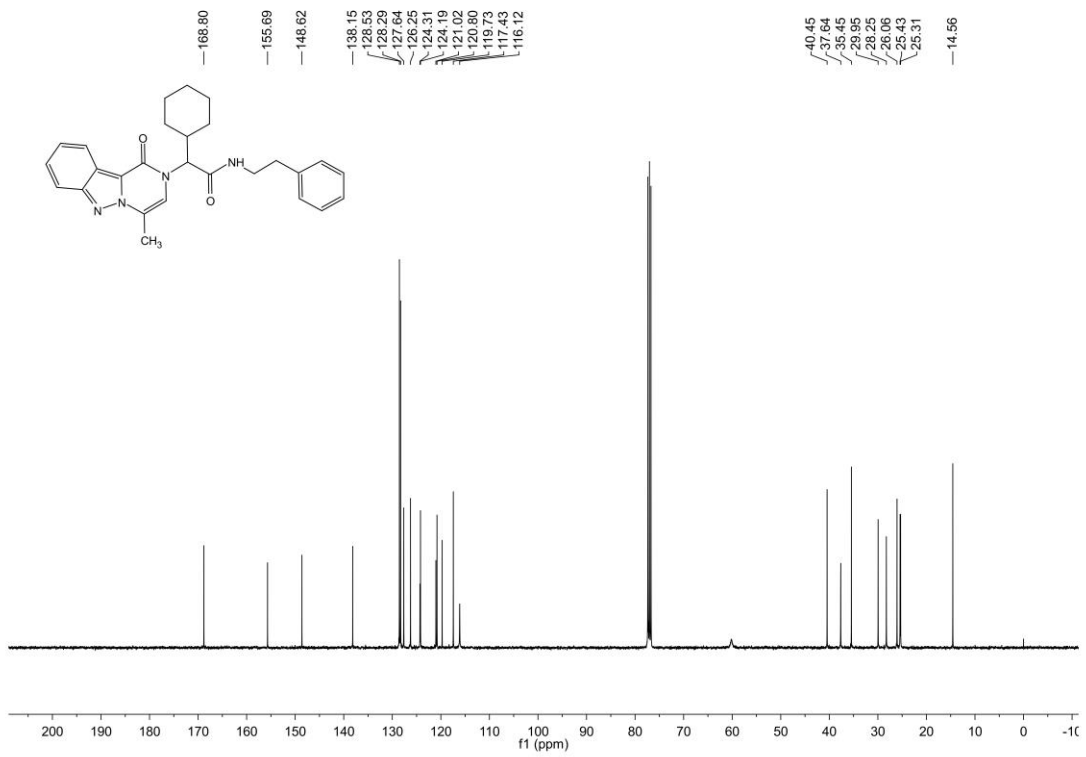


U6-5 #894 RT: 6.52 AV: 1 NL: 1.99E9
T: FTMS + p ESI Full ms [100.0000-1000.0000]

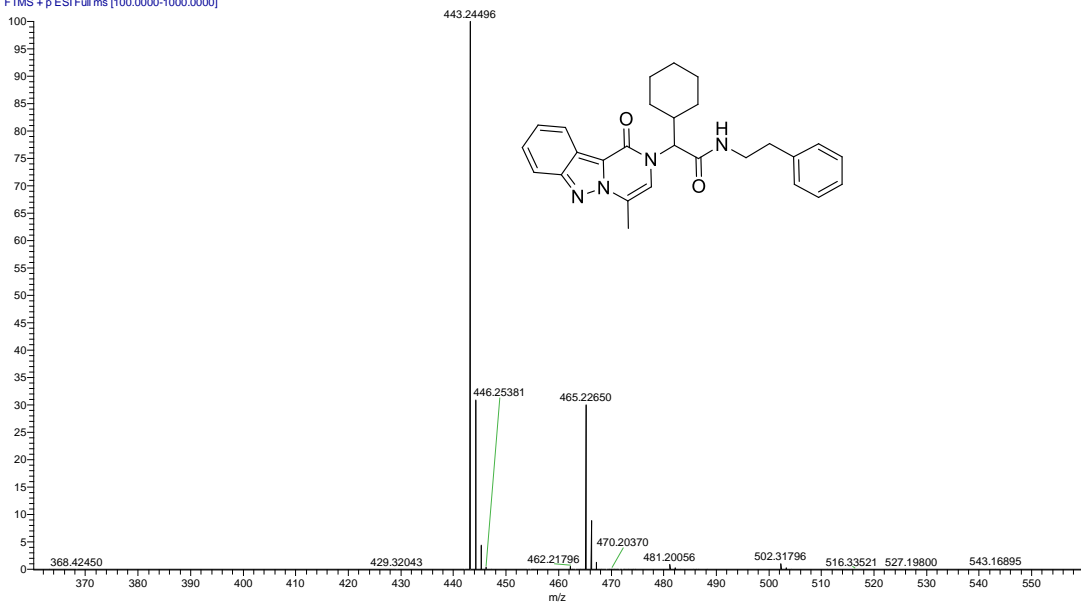


Compound 14f

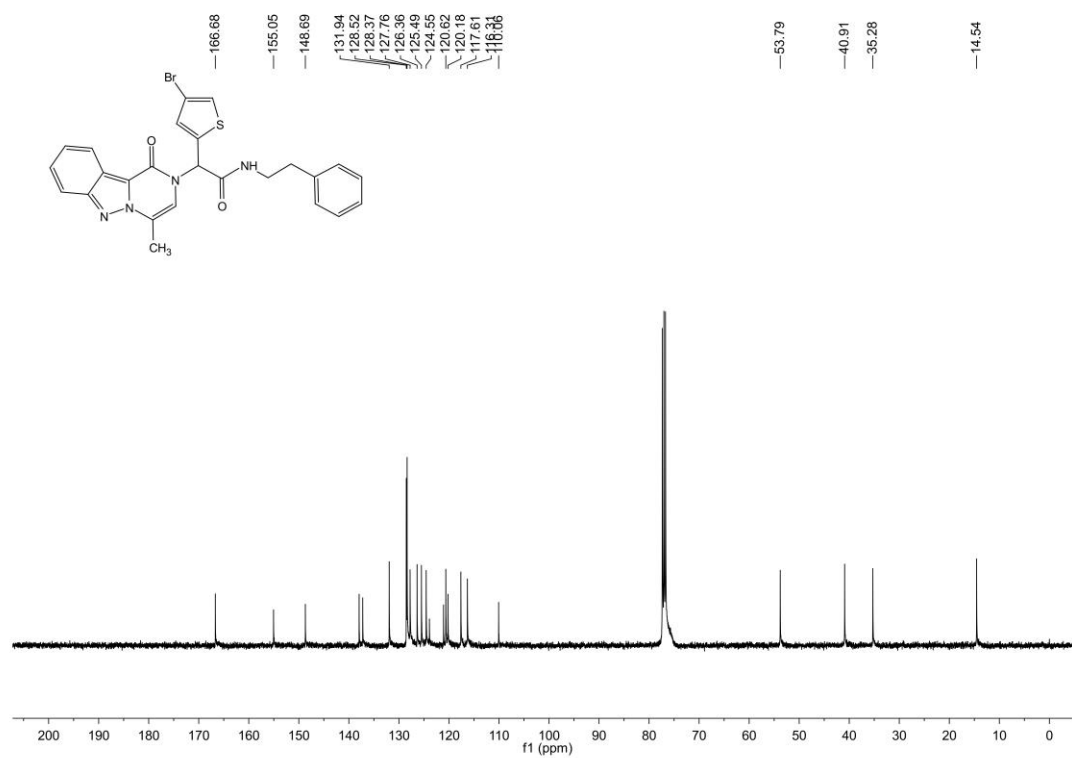
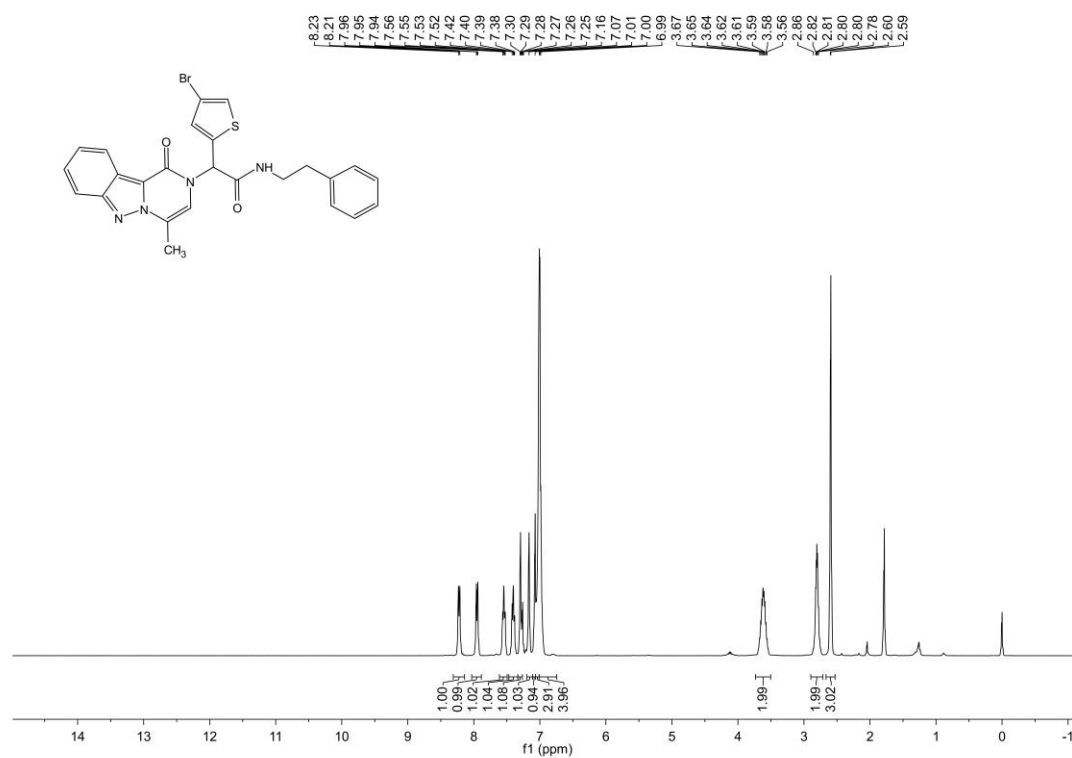




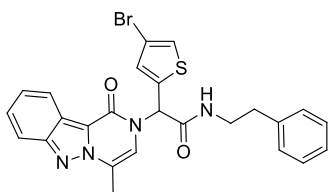
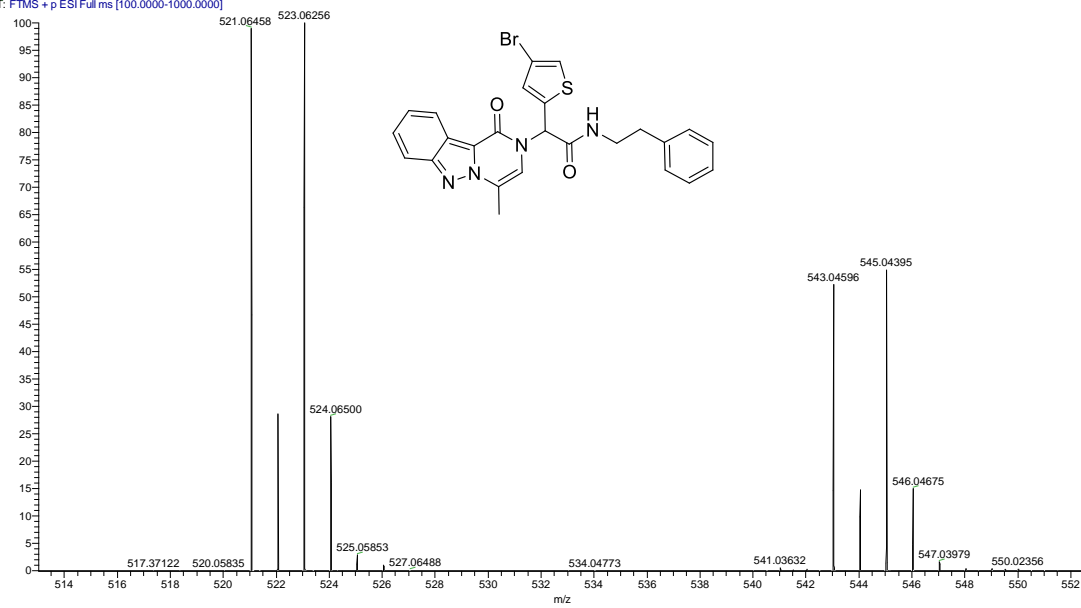
U6-6 #958 RT: 6.97 AV: 1 NL: 1.10E9
T: FTMS + p ESI Full ms [100.0000-1000.0000]



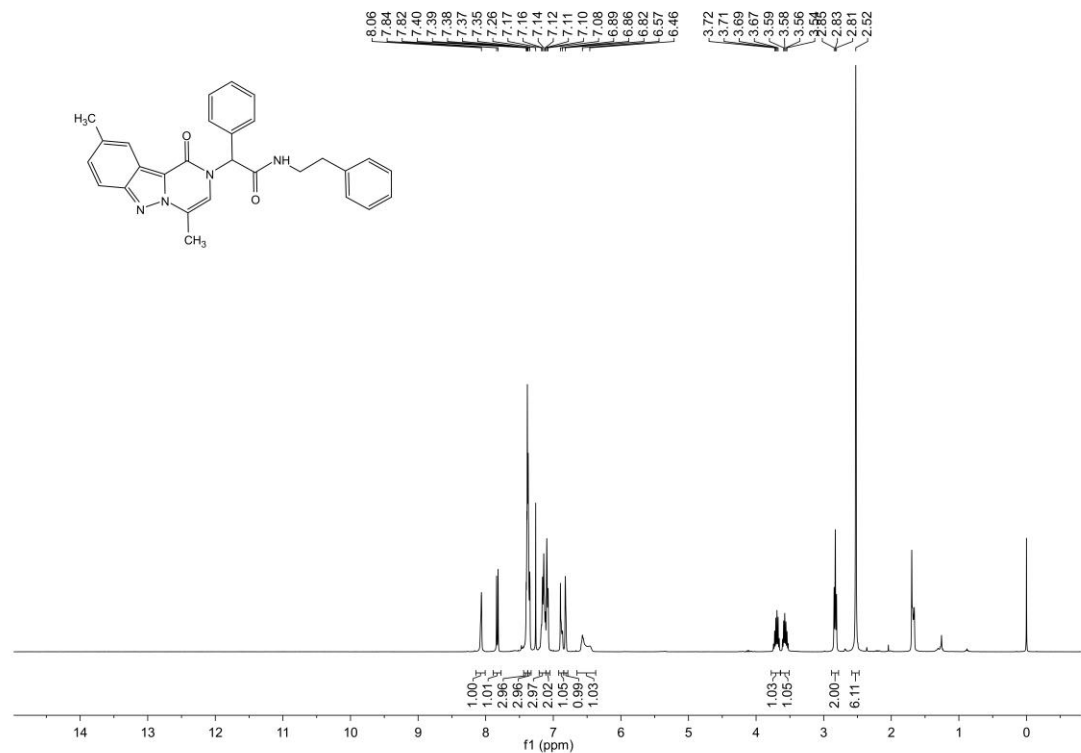
Compound **14g**

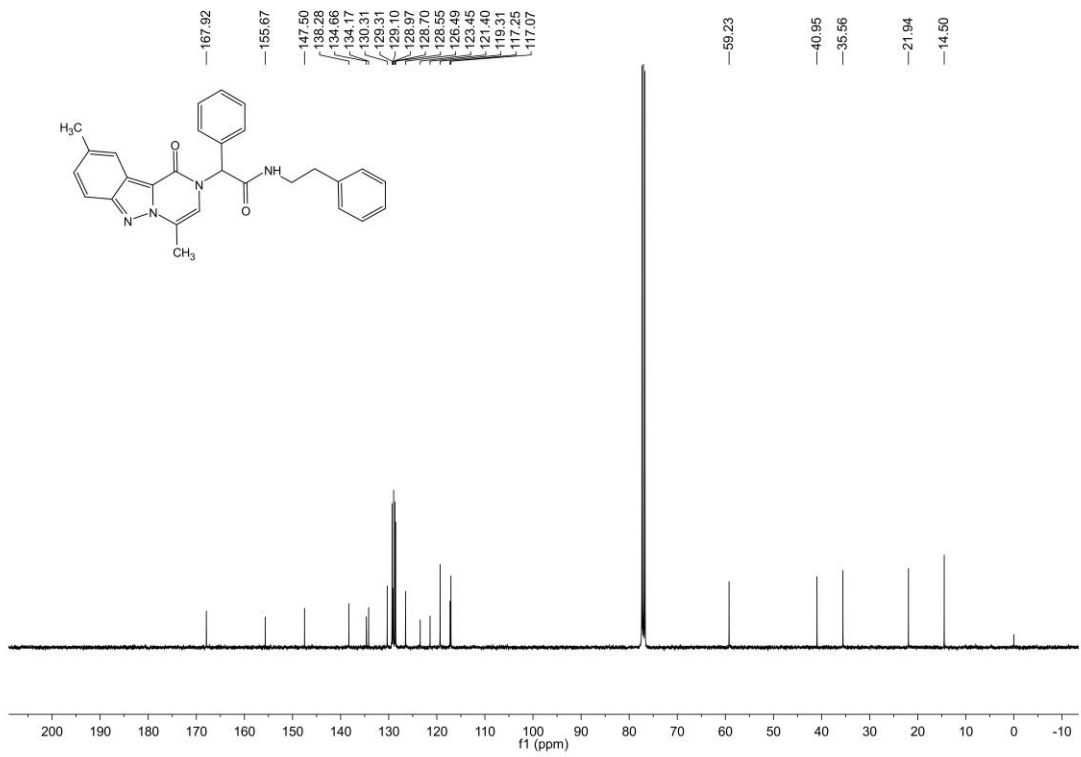


U6-7 #929 RT: 6.82 AV: 1 NL: 1.41E8
T: FTMS + p ESI Full ms [100.0000-1000.0000]

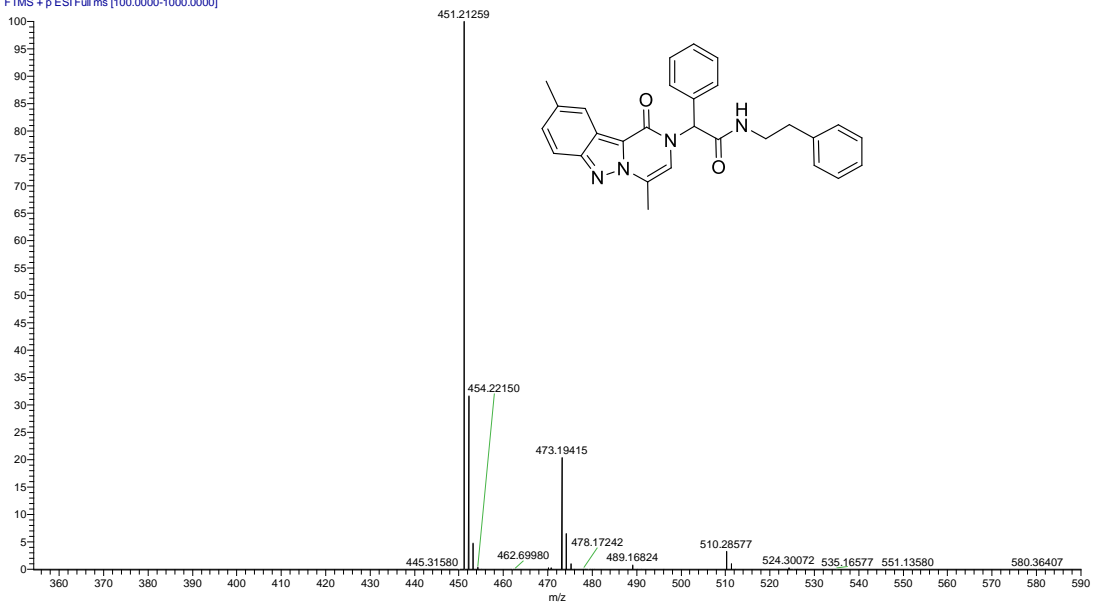


Compound 14h

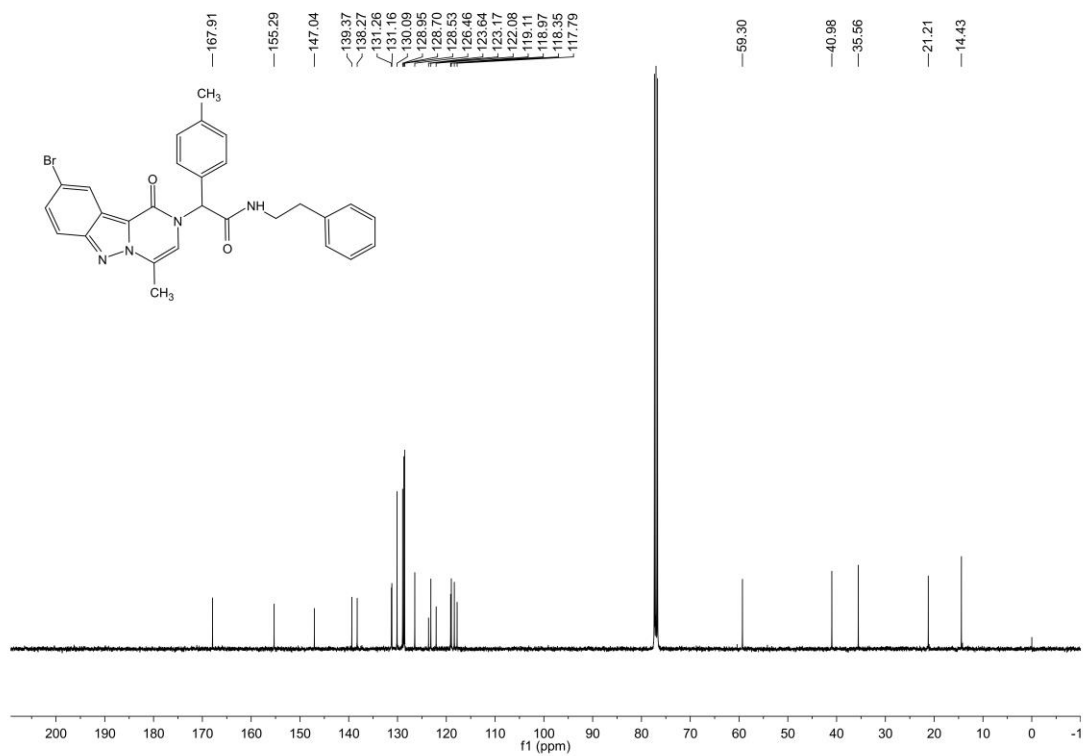
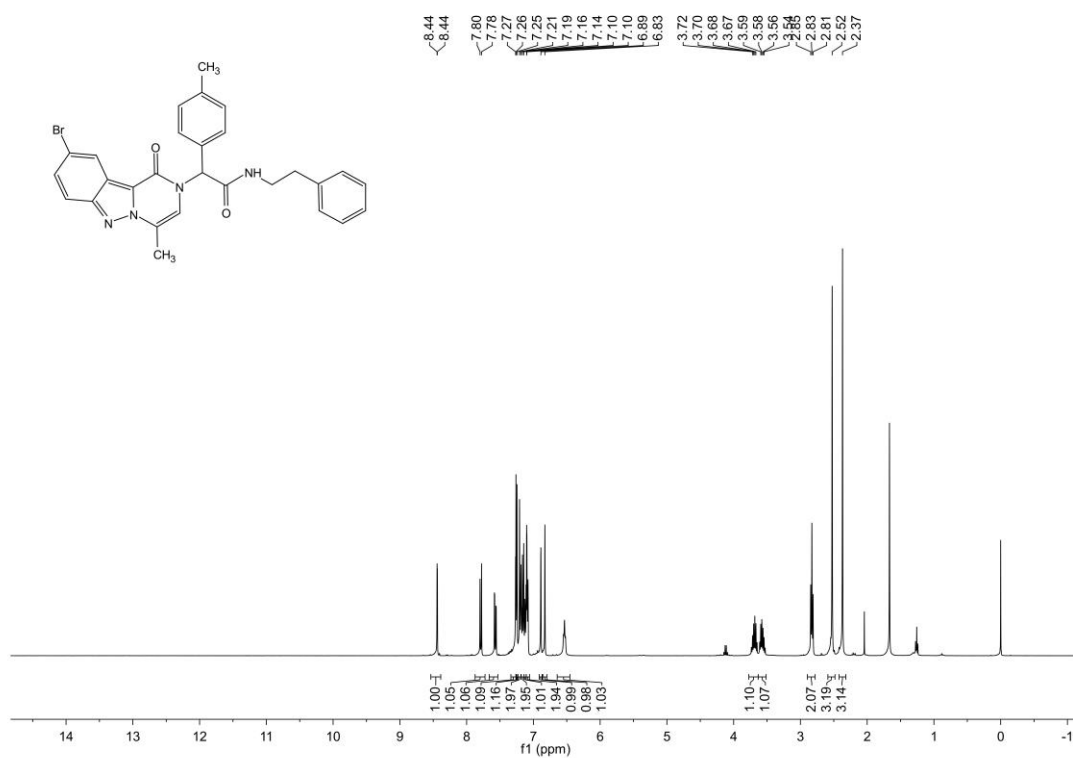


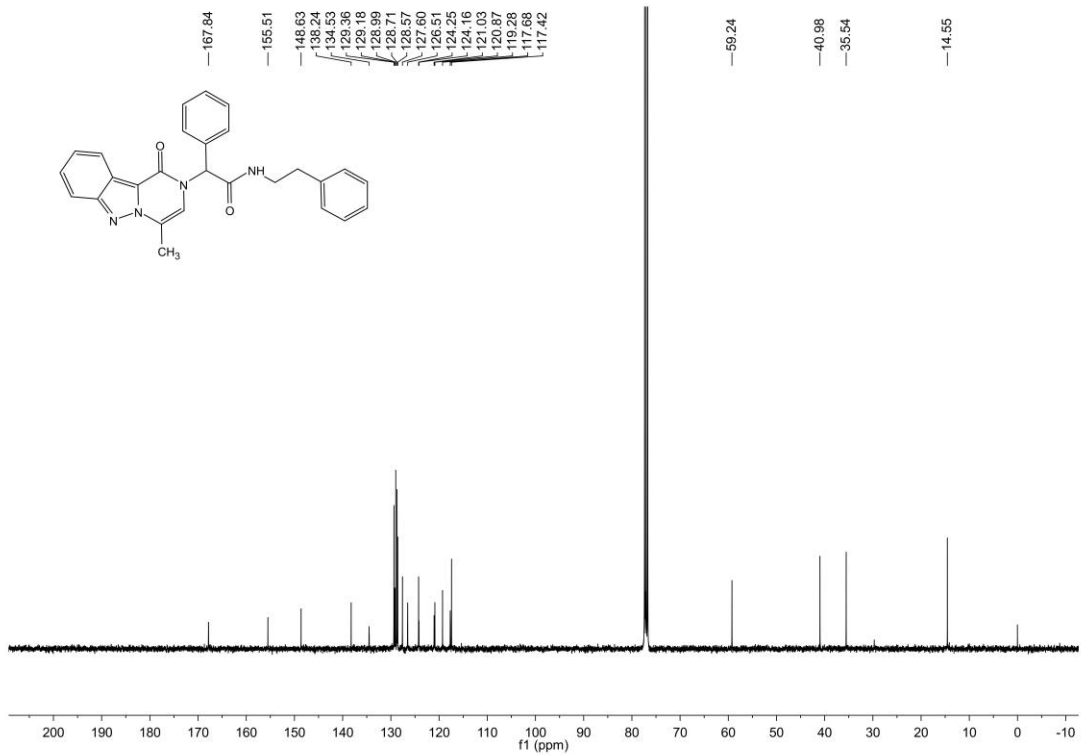


U6-8 #915 RT: 6.69 AV: 1 NL: 1.33E9
T: FTMS + p ESI Full ms [100.0000-1000.0000]



Compound **14i**





U6-11 #897 RT: 6.57 AV: 1 NL: 8.84E8
T: FTMS + p ESI Full ms [100.0000-1000.0000]

