

## Supplementary material

### Synthesis and Antiprotozoal Activity of Azabicyclo-nonane Pyrimidine Hybrids

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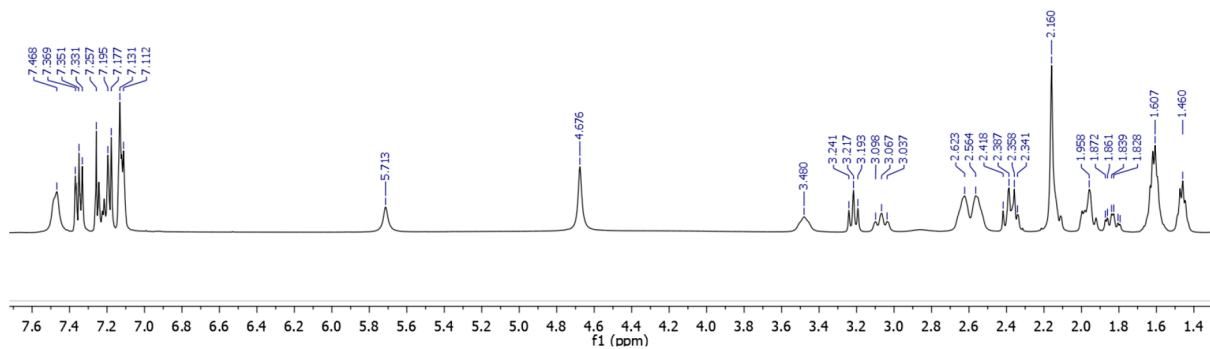
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Switzerland

<sup>4</sup> Swiss Tropical and Public Health Institute, University of Basel, Petersplatz 1, CH-4003  
Basel, Switzerland

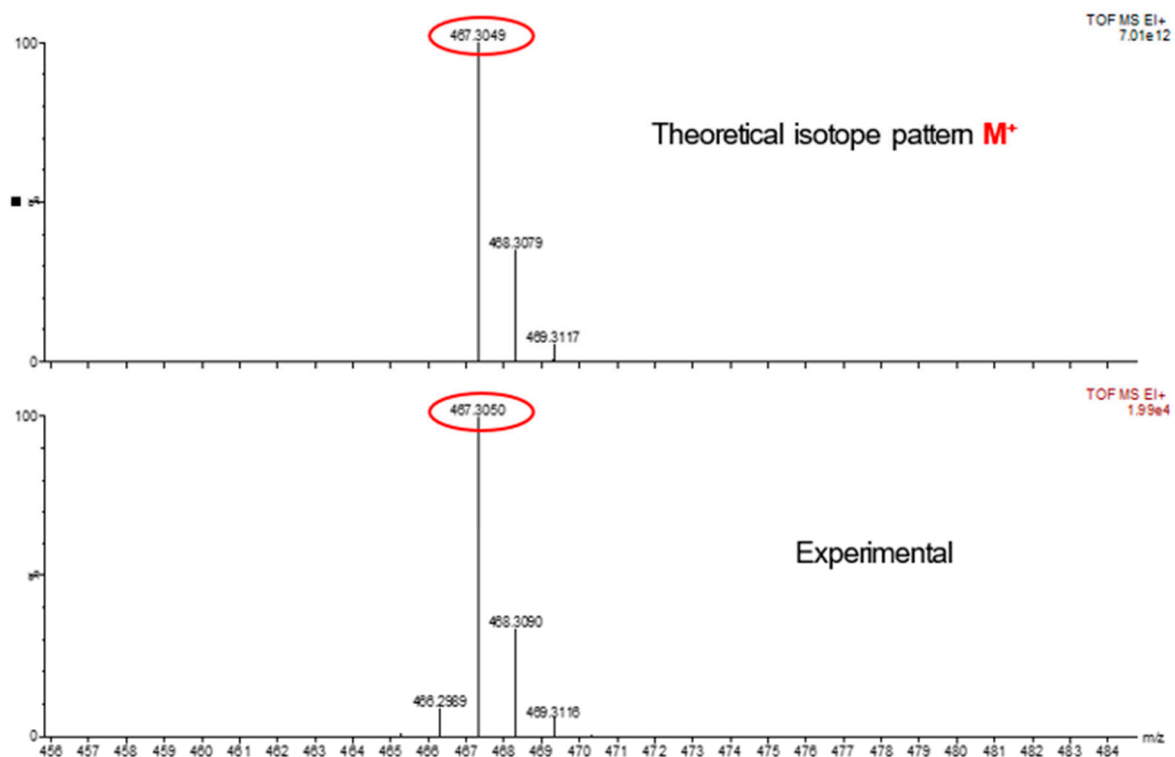
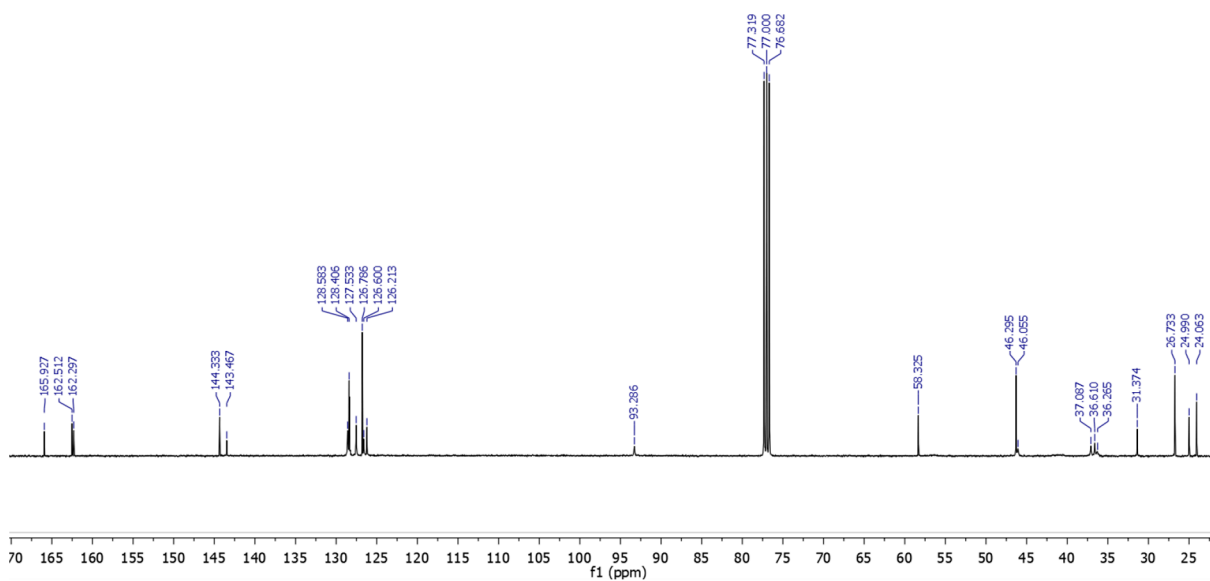
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**NMR and HRMS spectra of compounds 5 – 24**  
**Synthesis route of compounds 1-4**

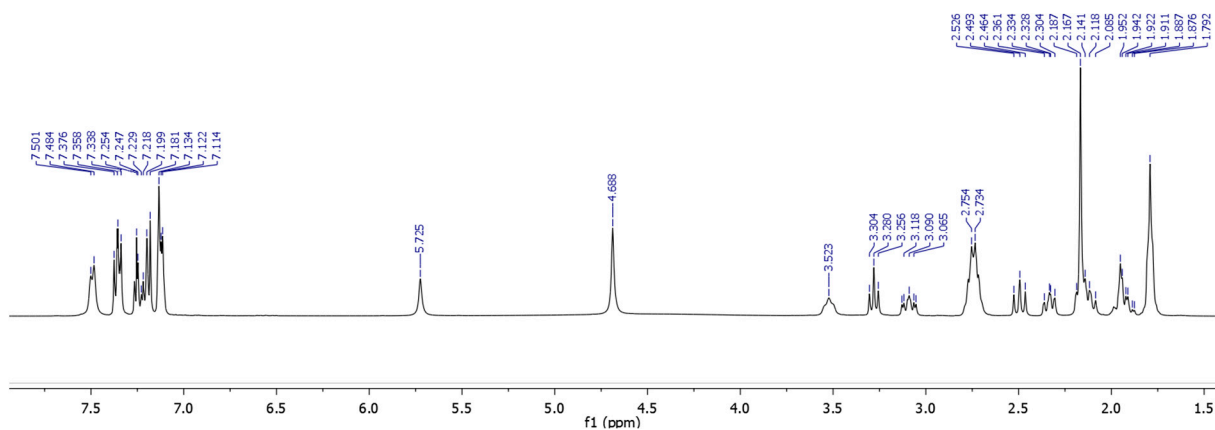
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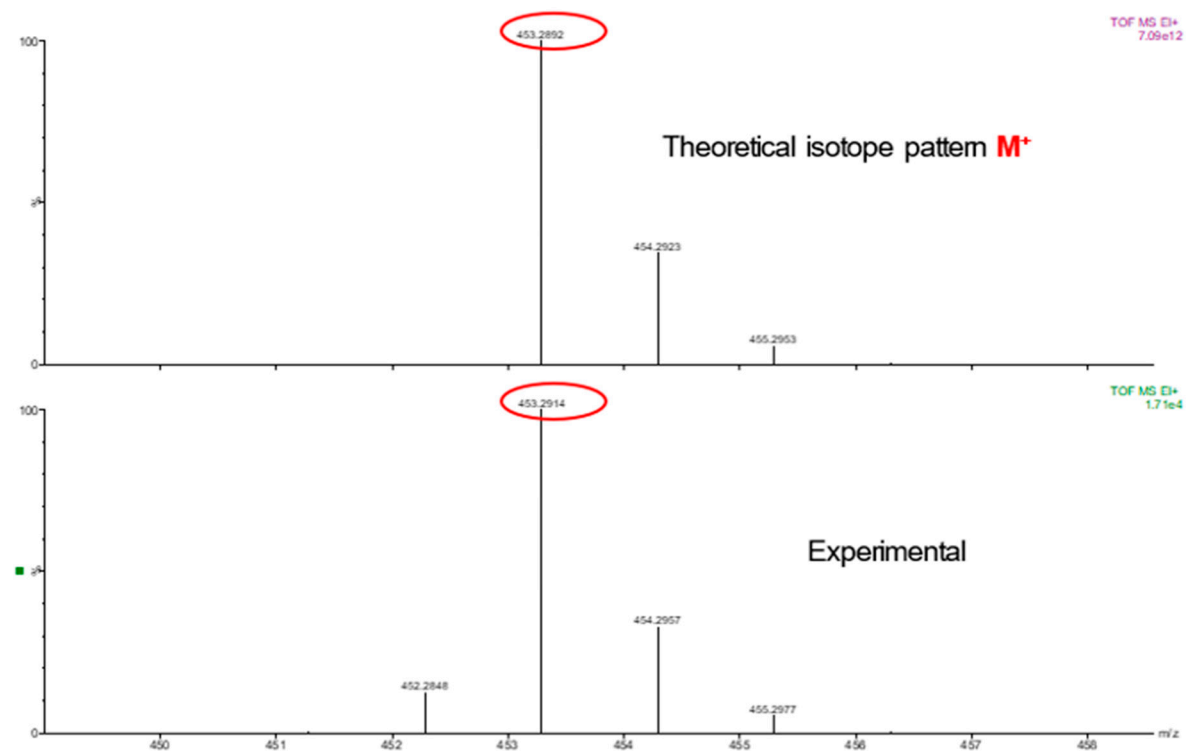
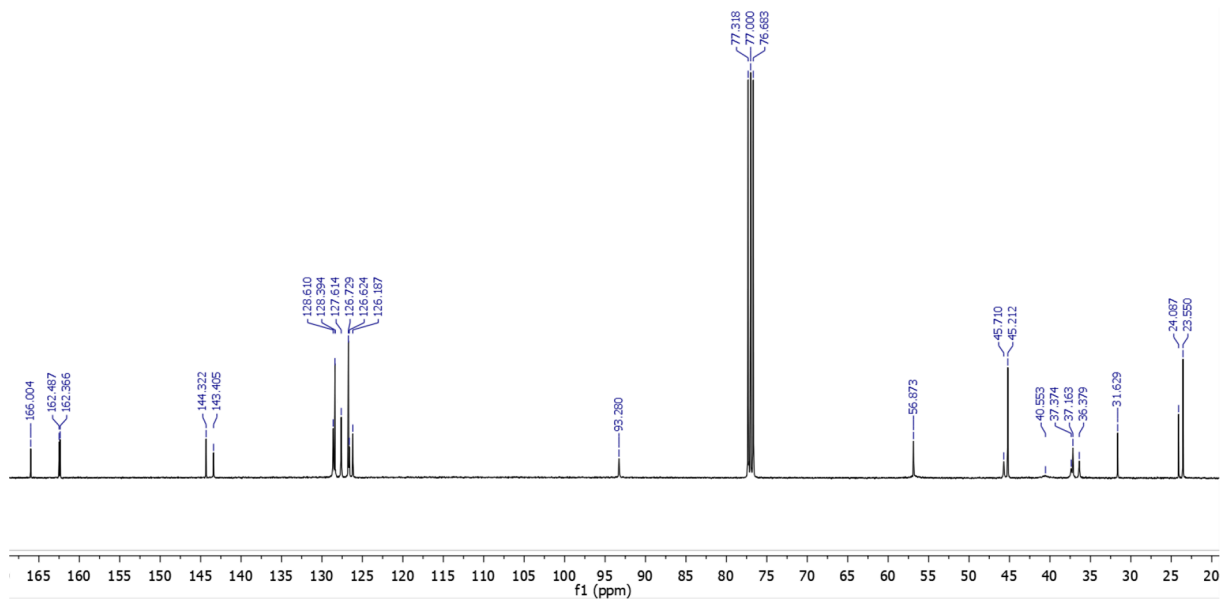
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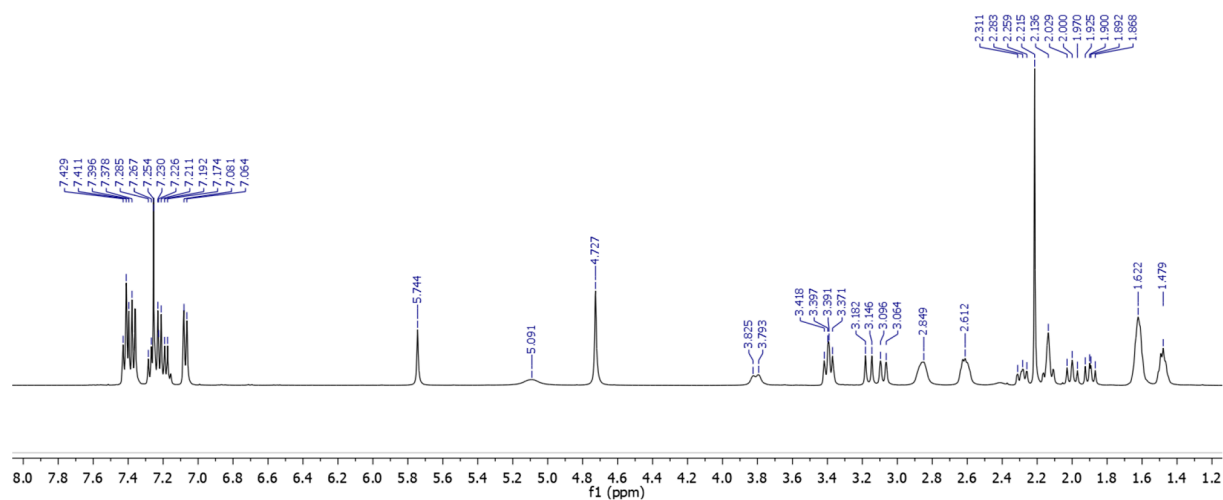
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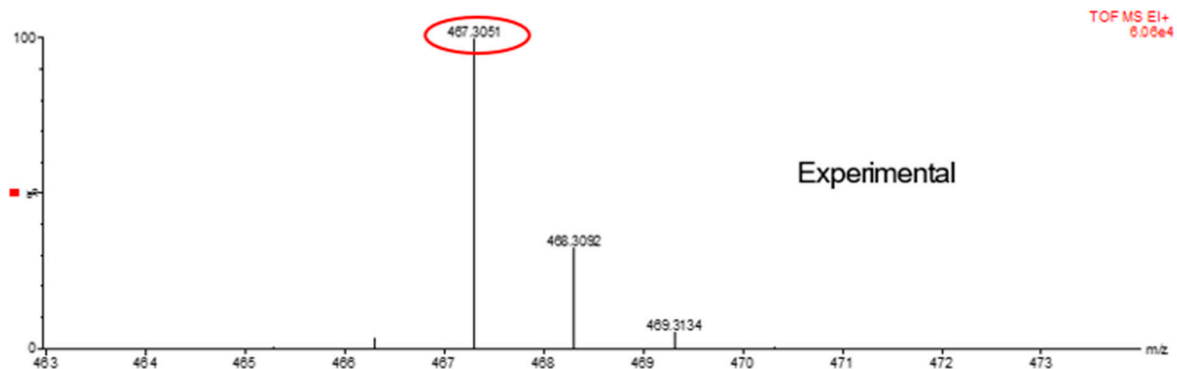
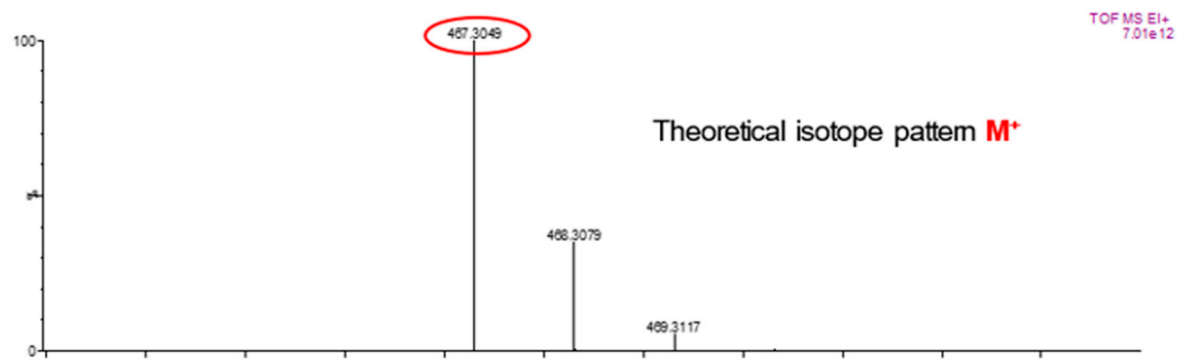
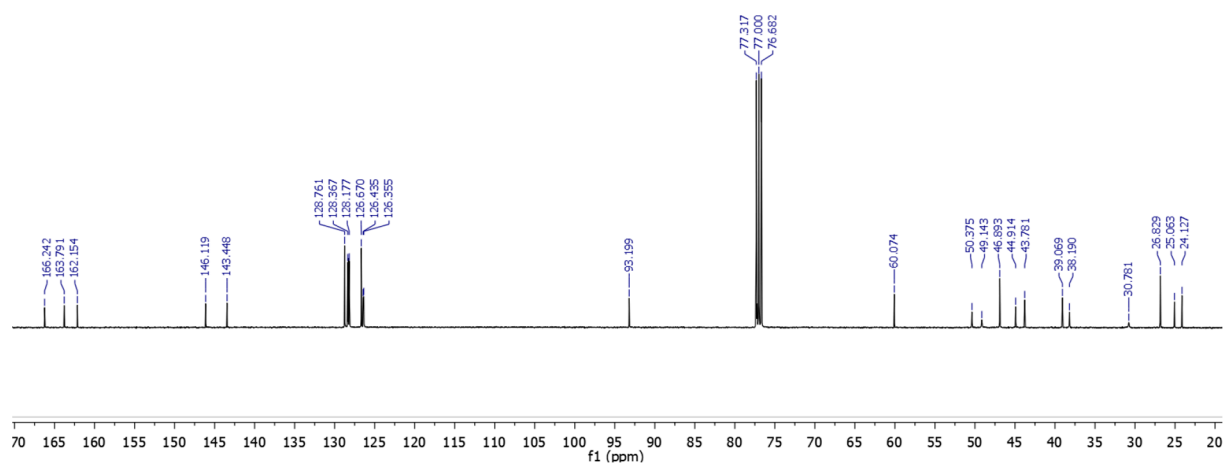
## $^{13}\text{C}$ nmr



## 7 H nmr

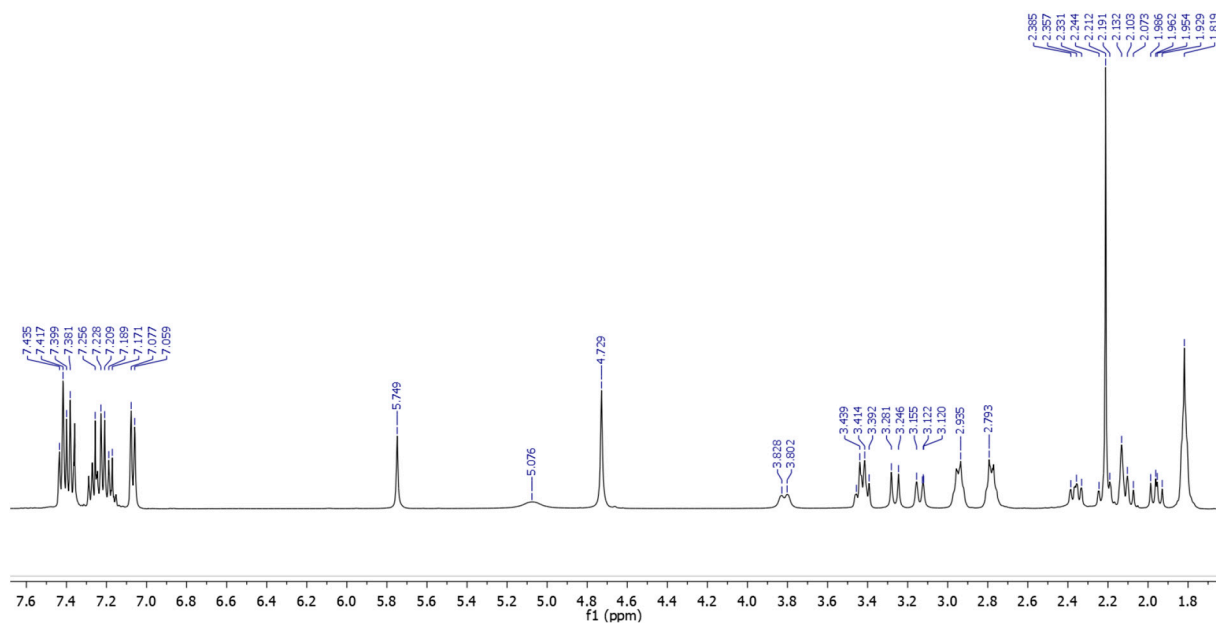


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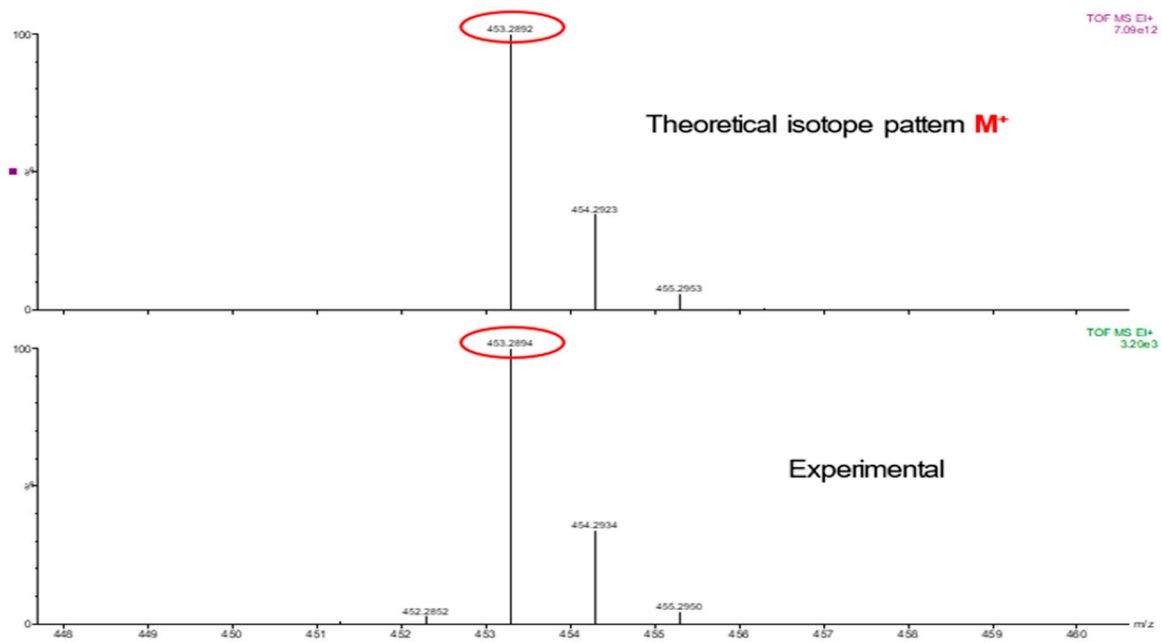
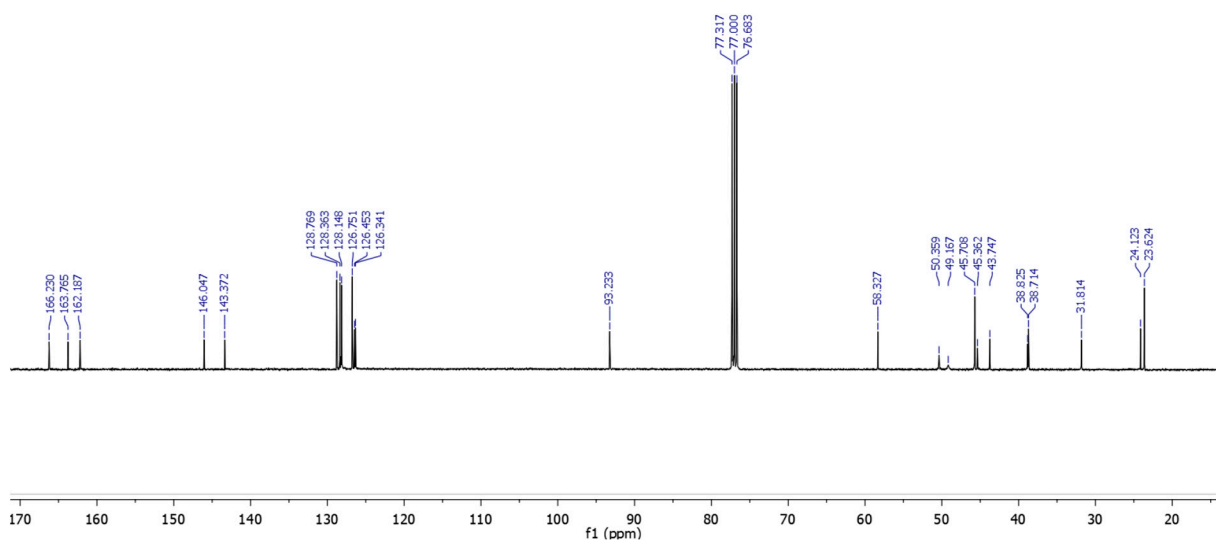




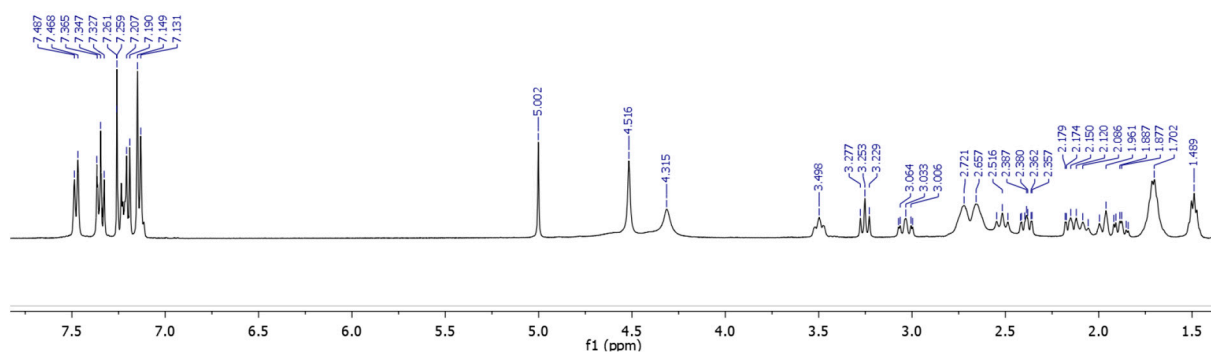
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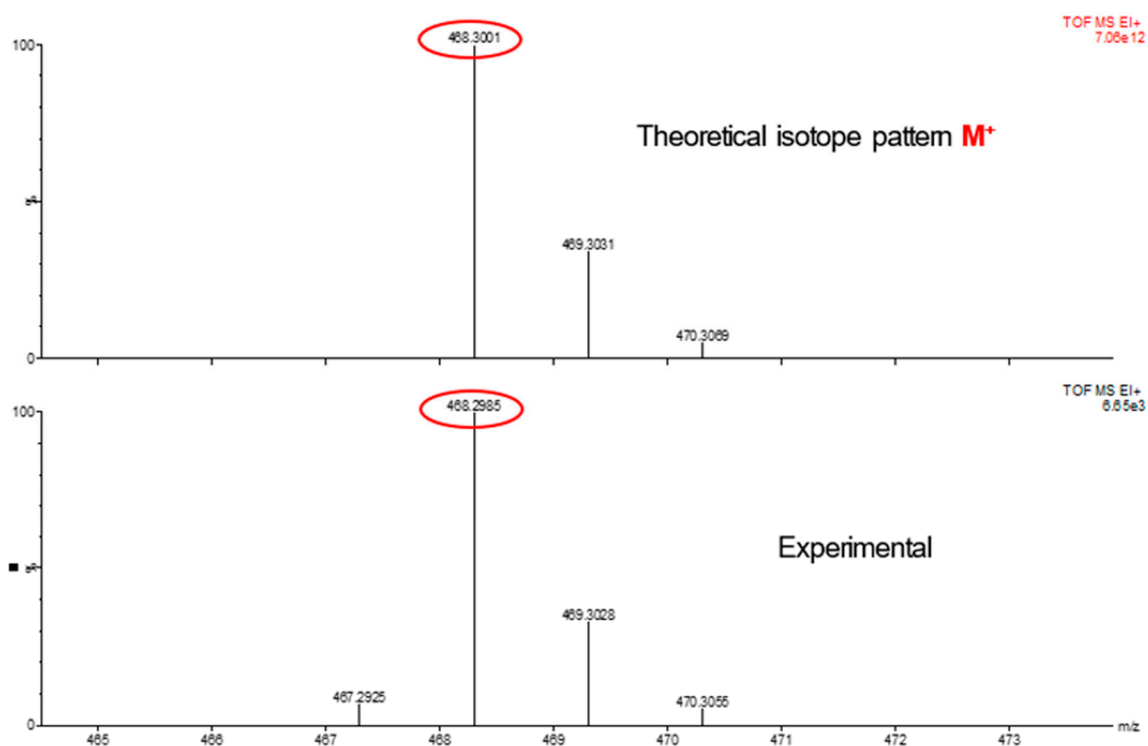
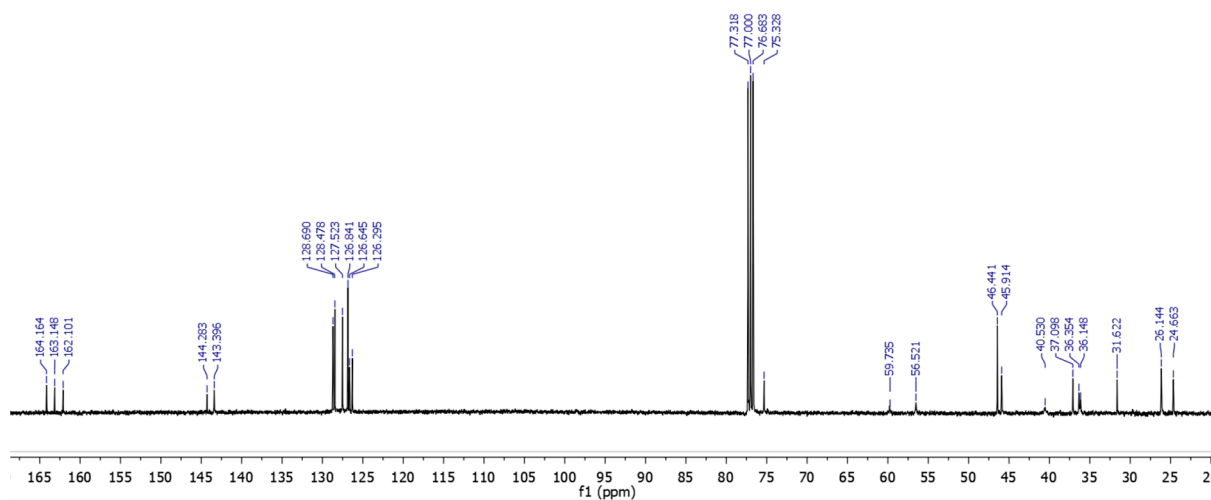
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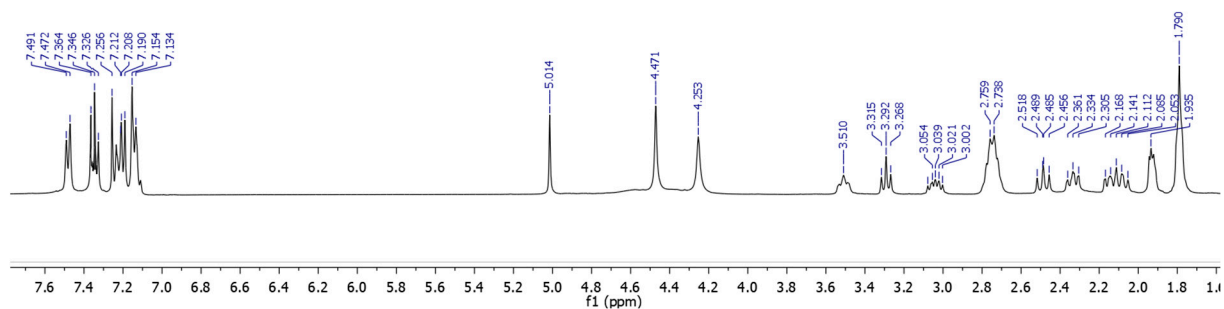
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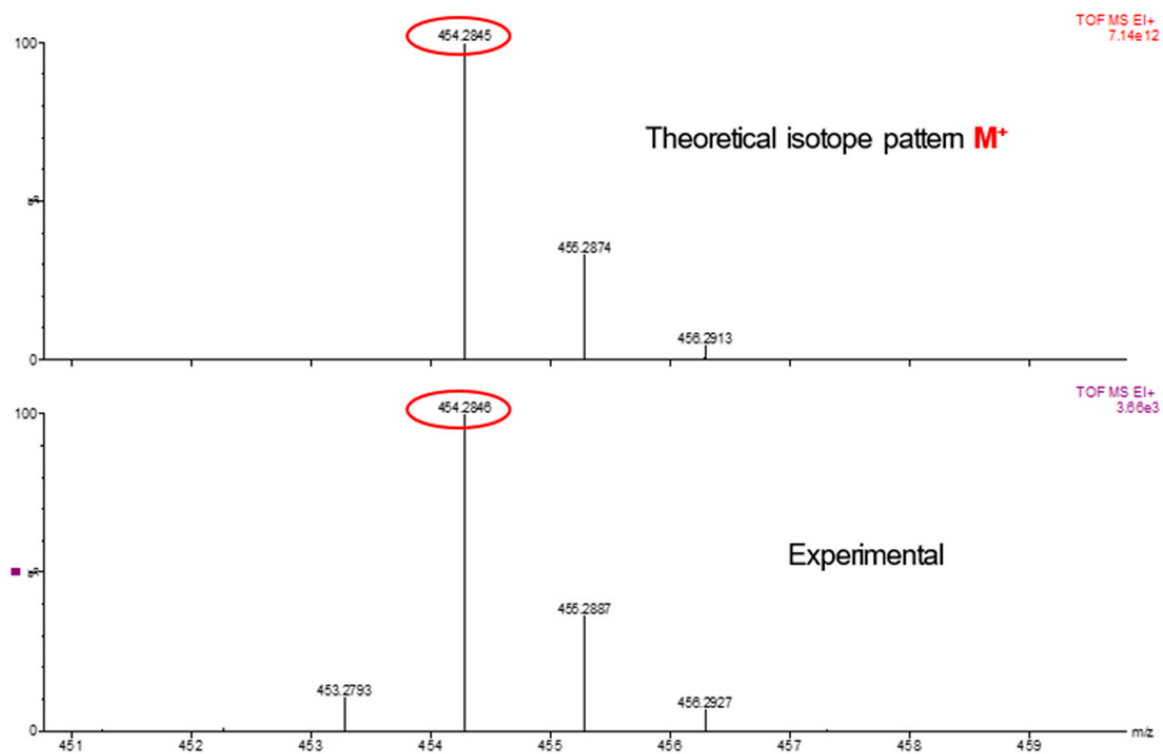
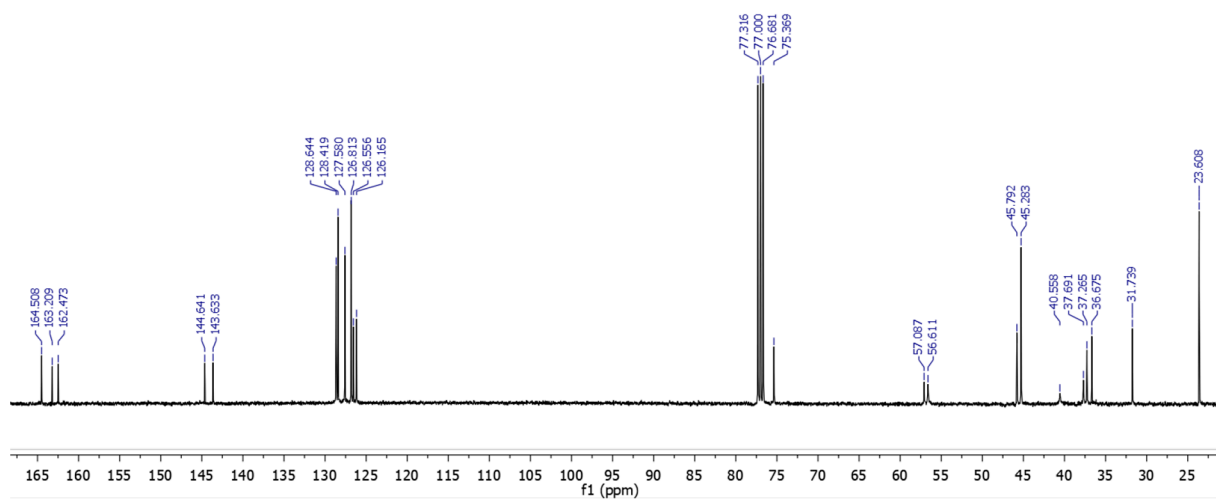
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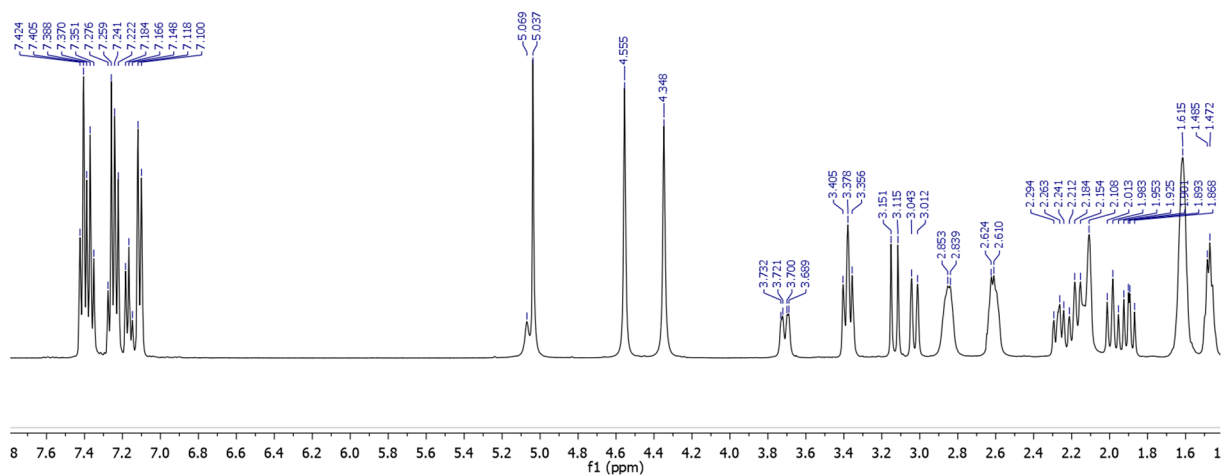
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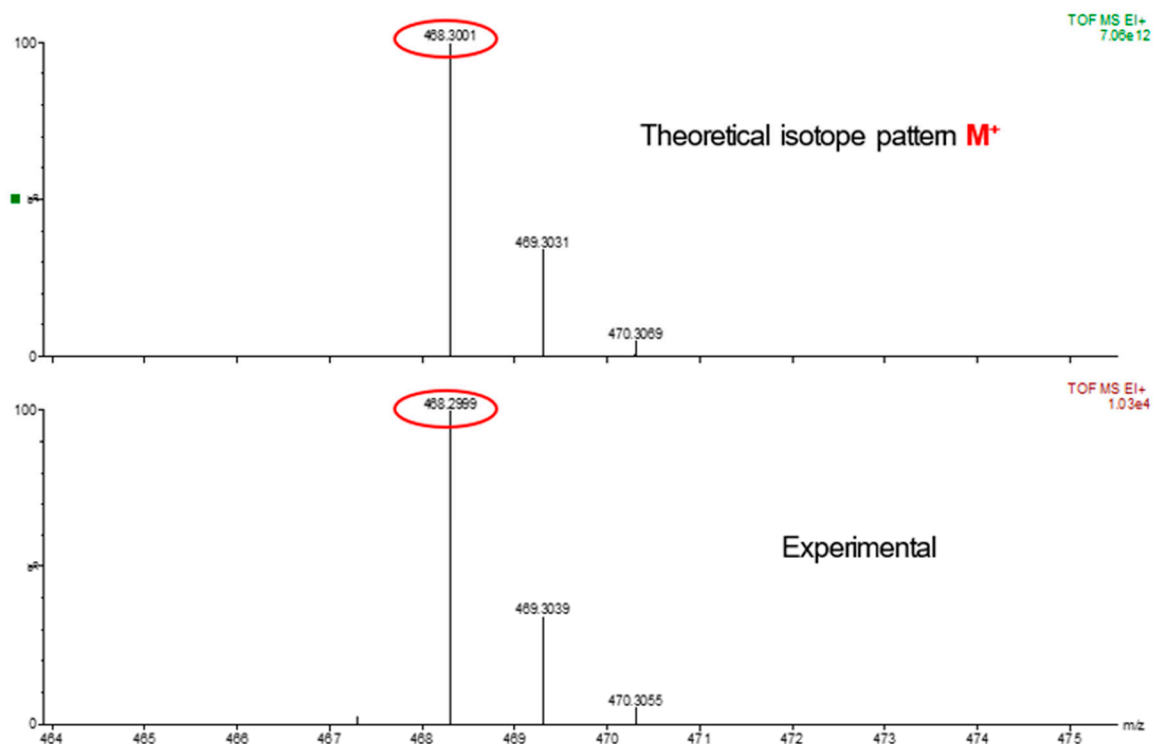
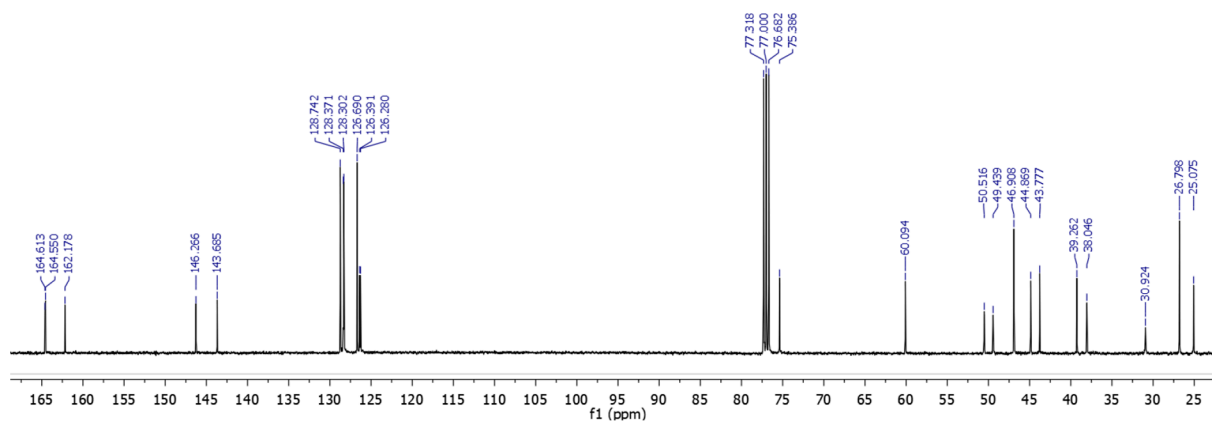
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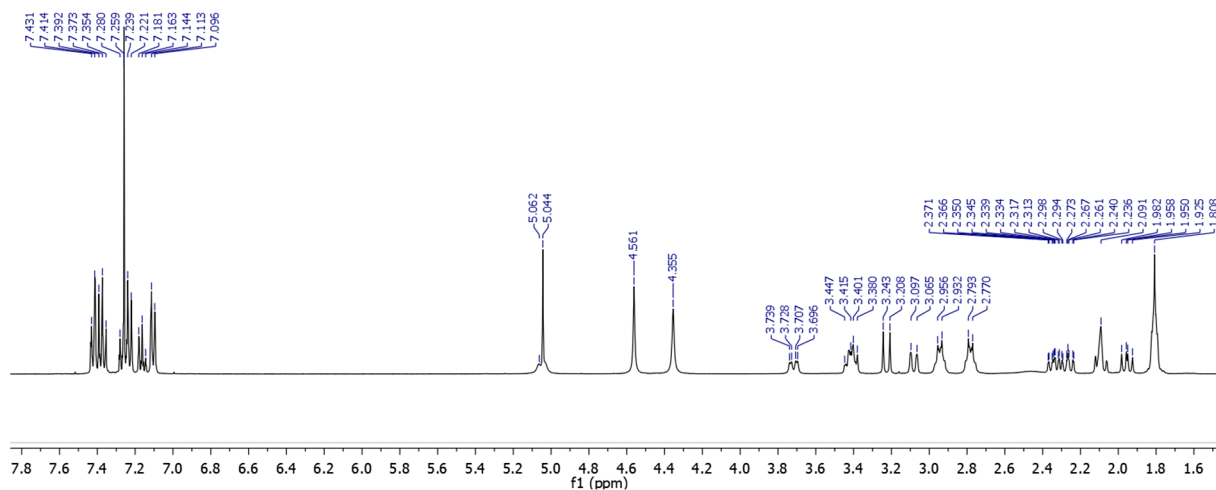
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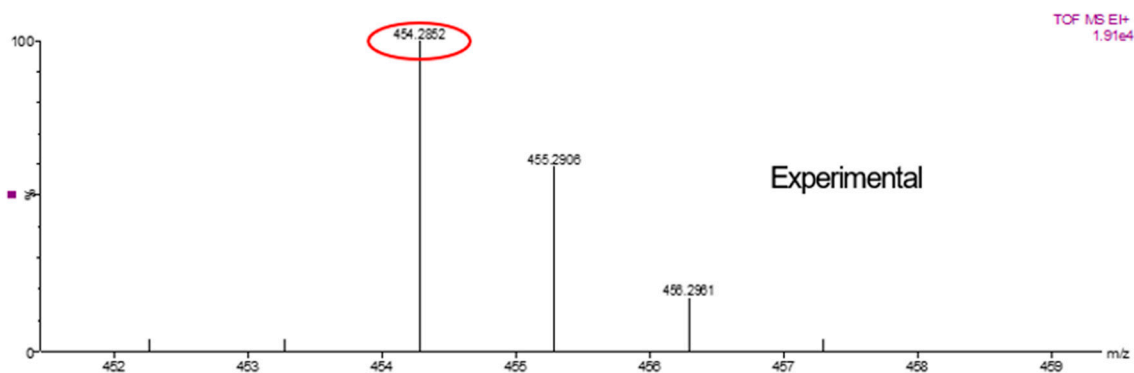
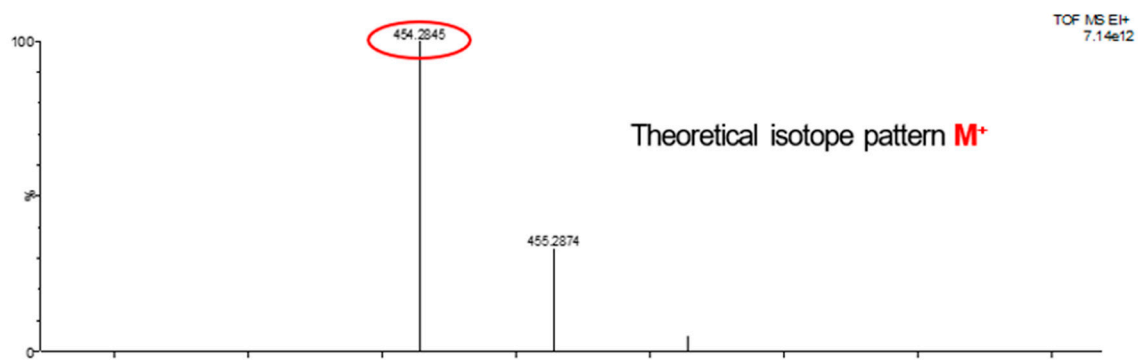
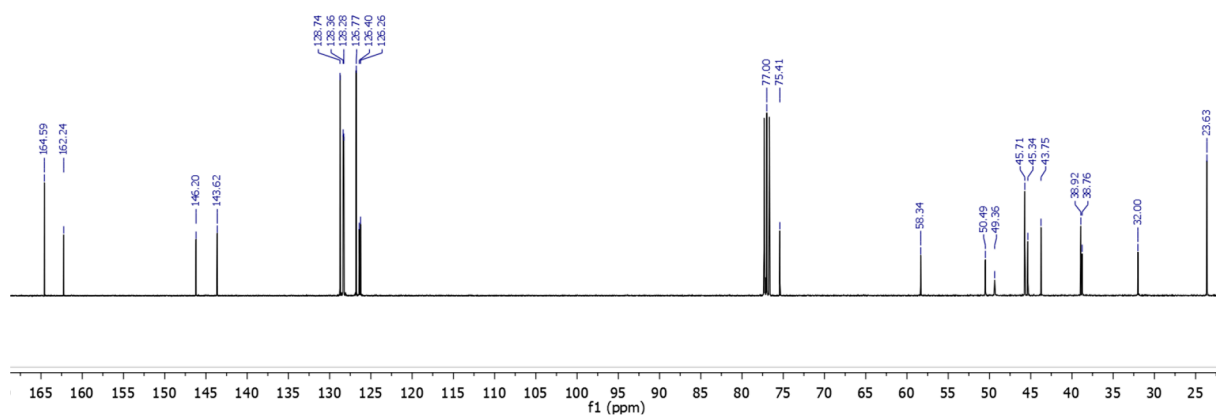
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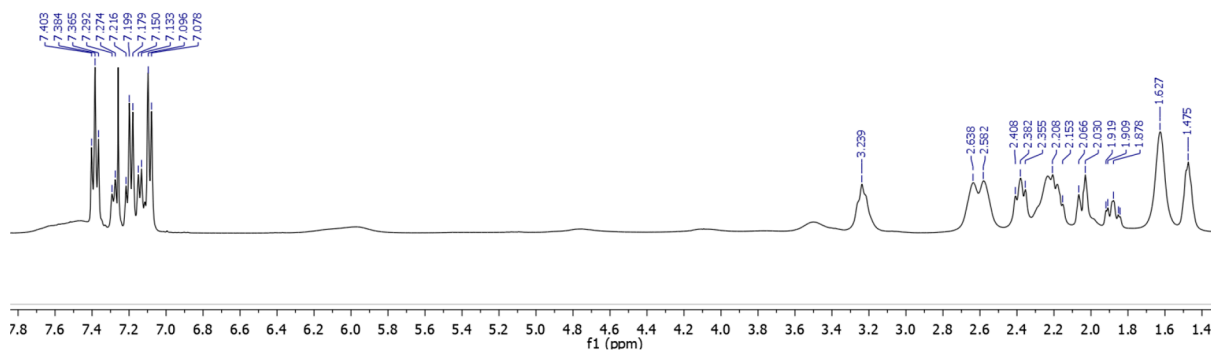
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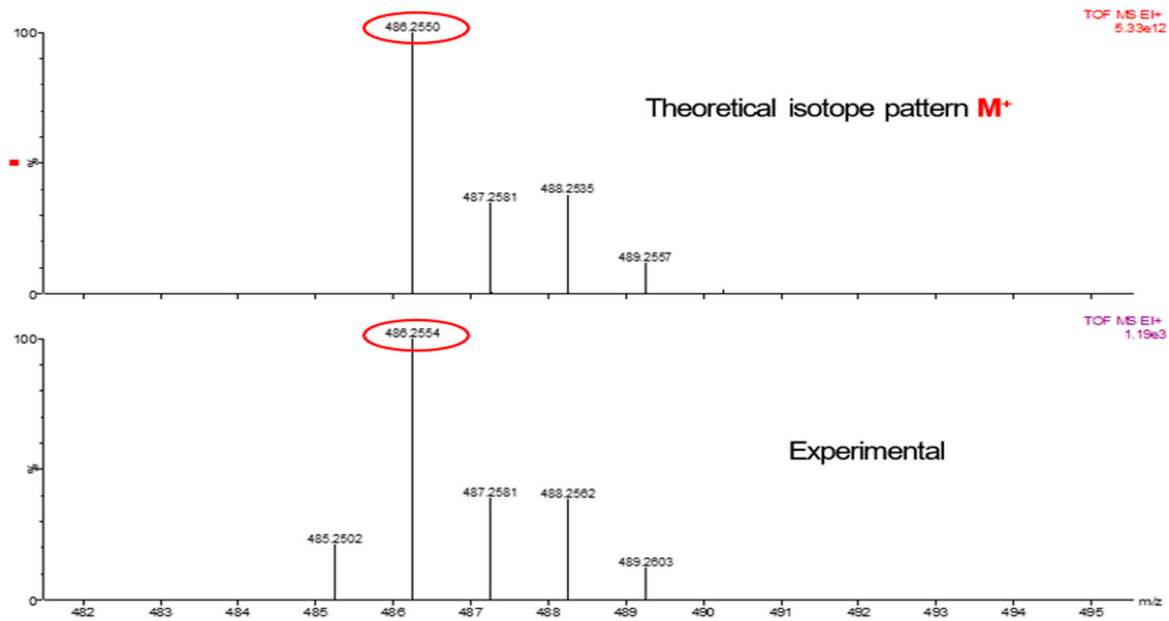
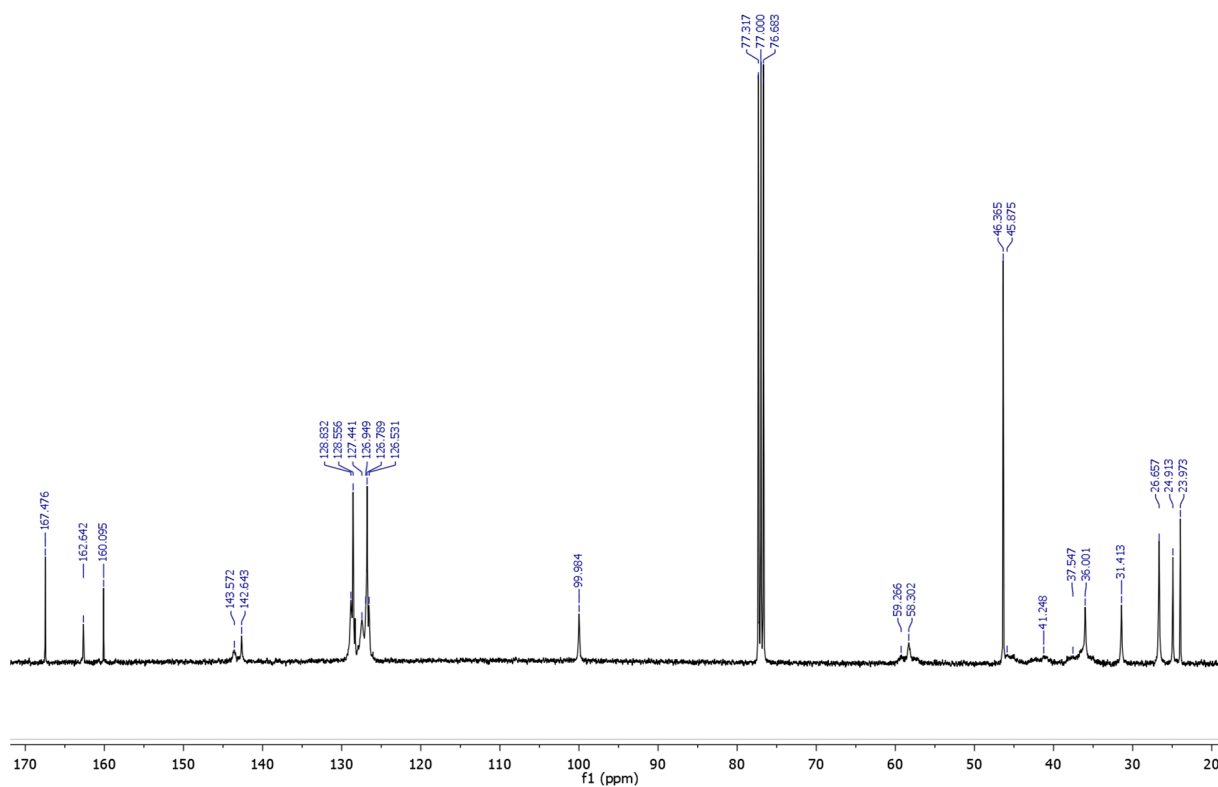
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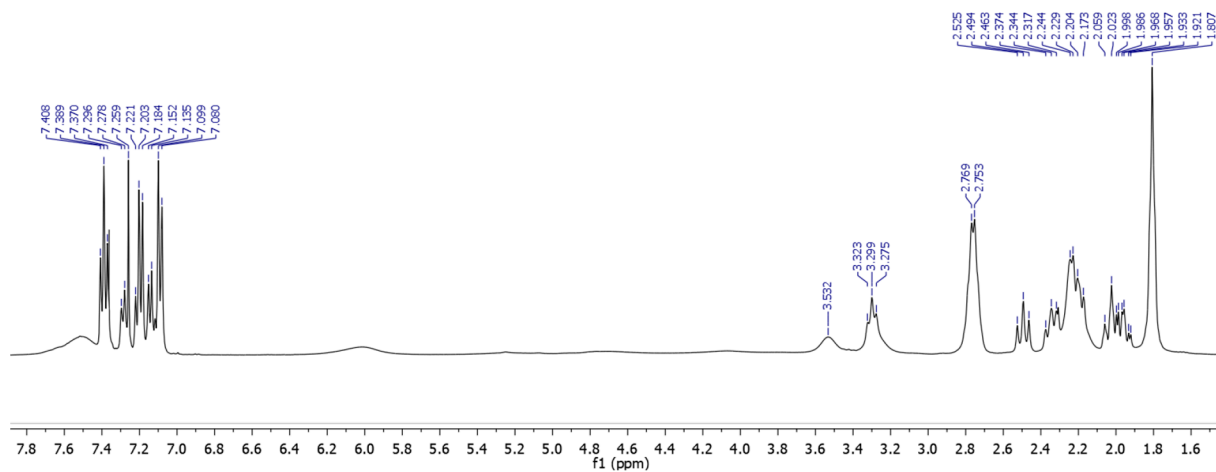
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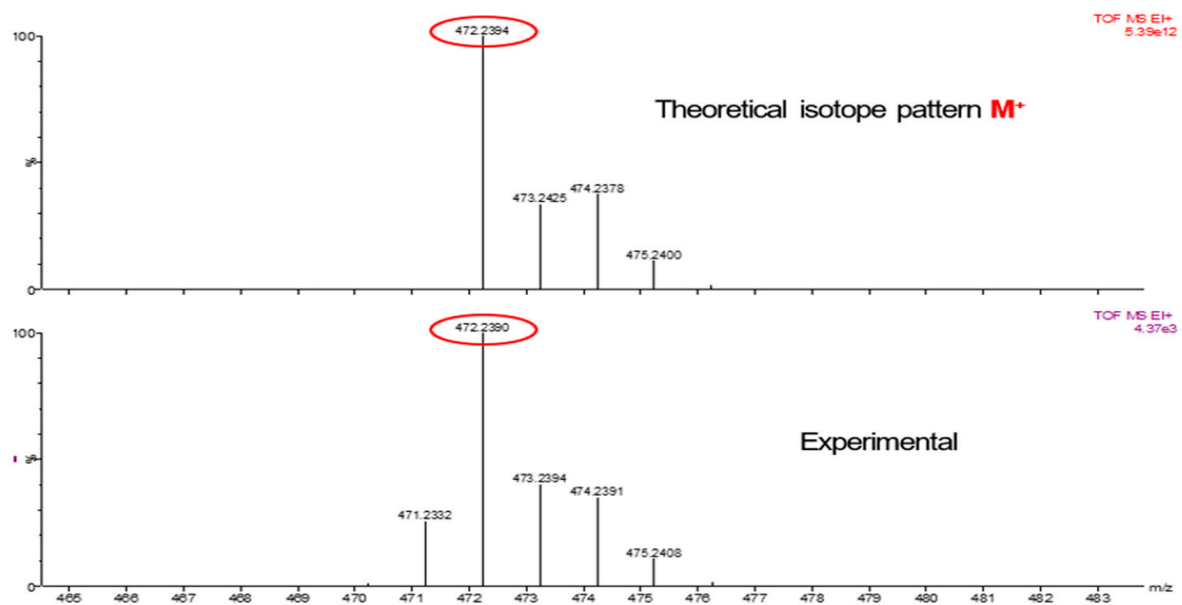
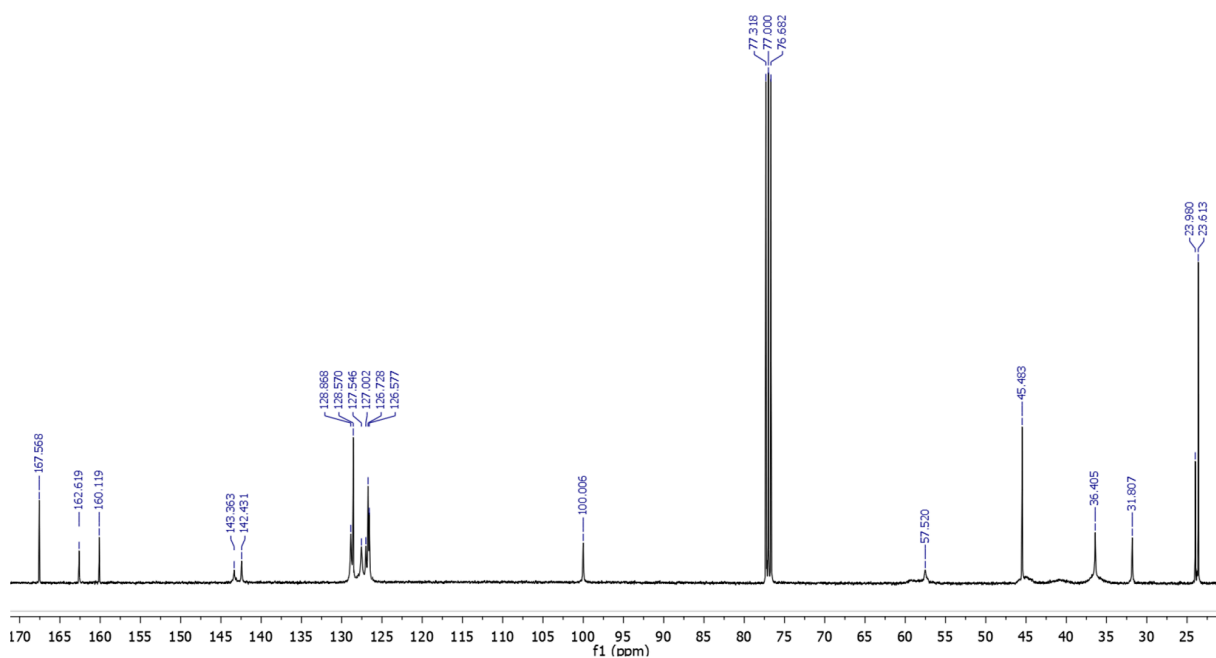
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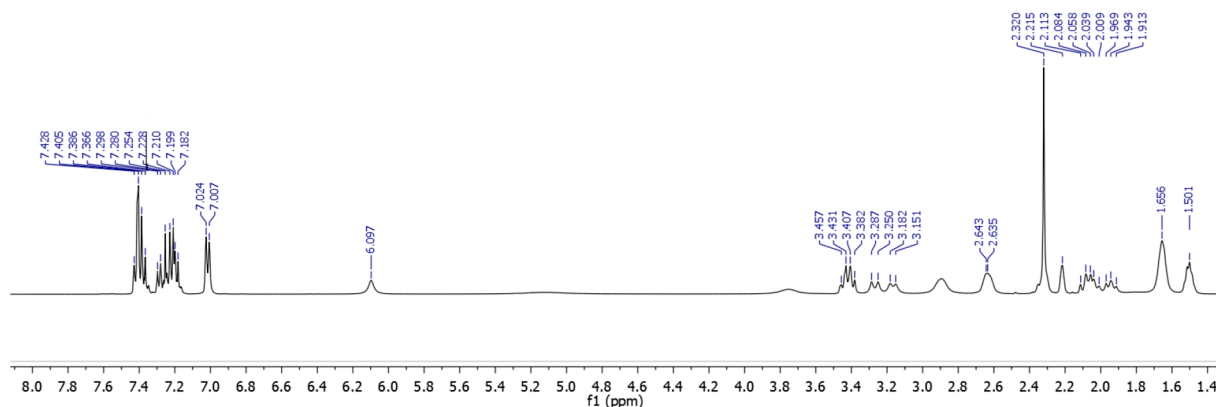
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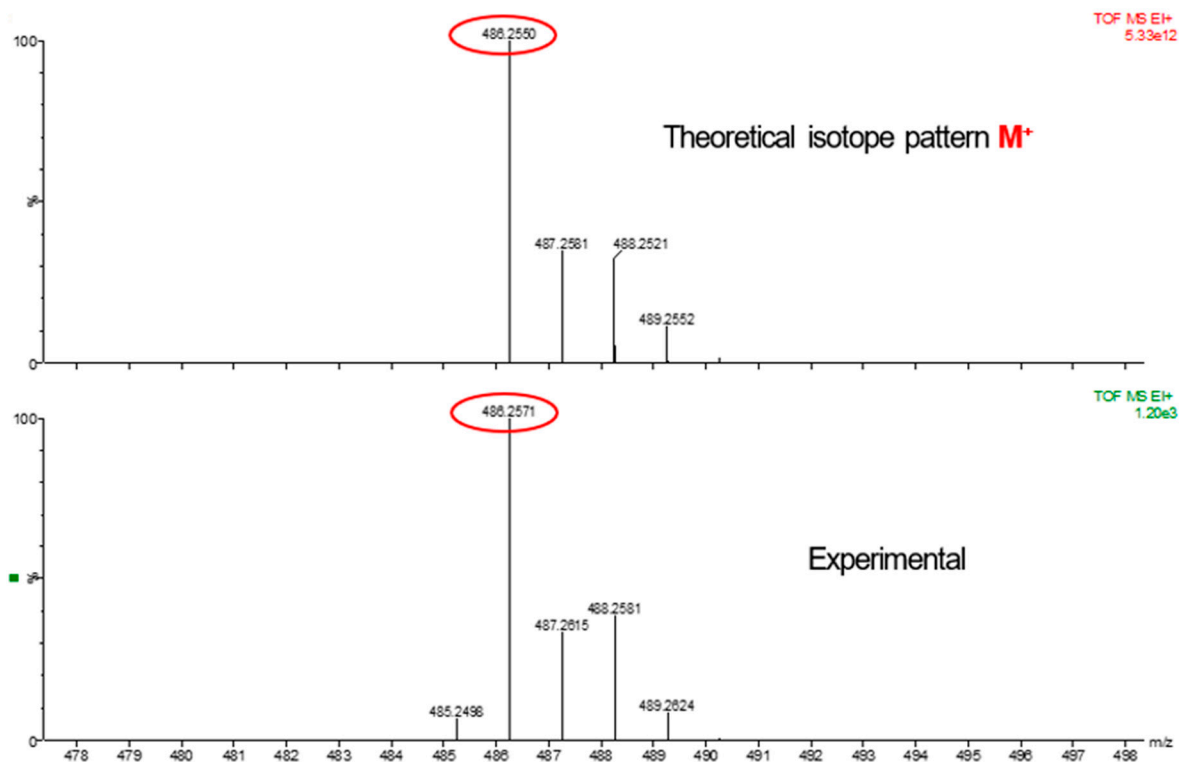
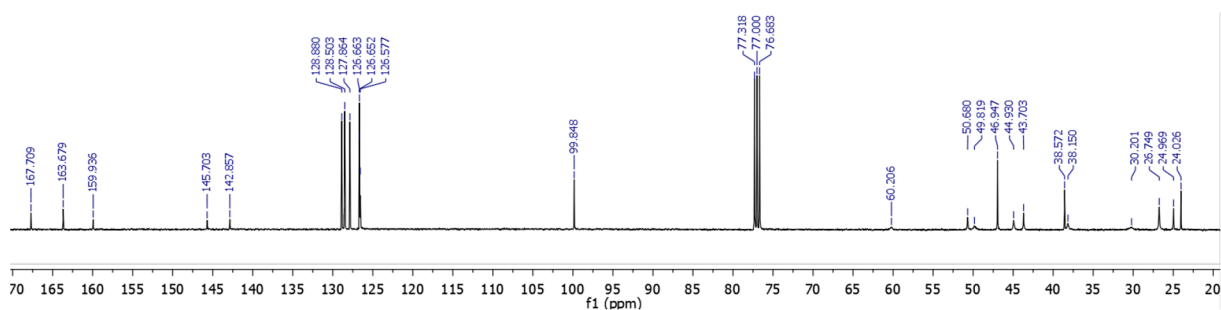
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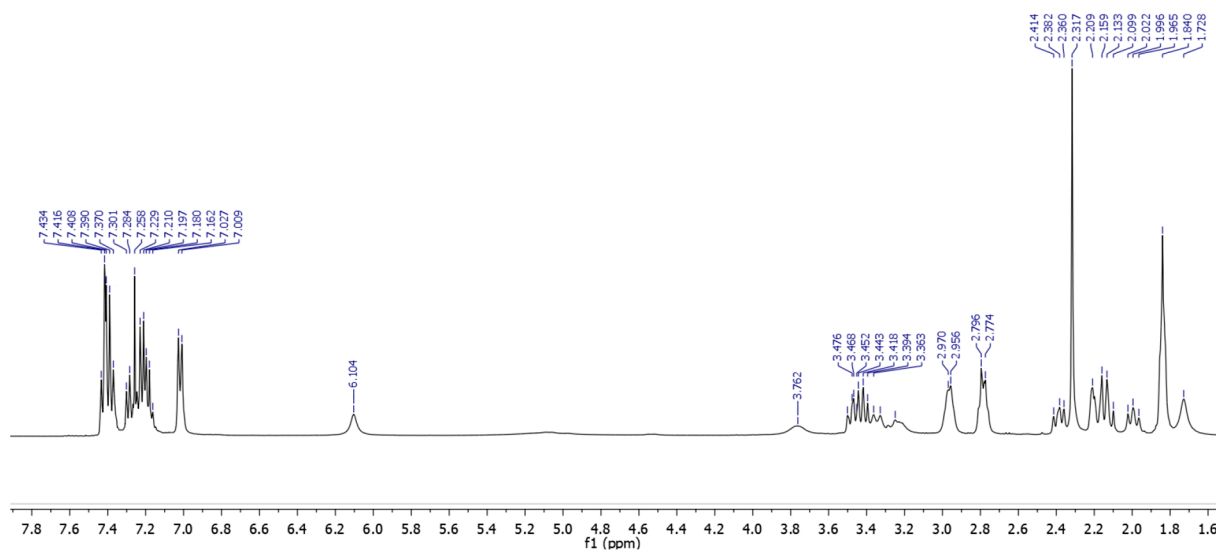


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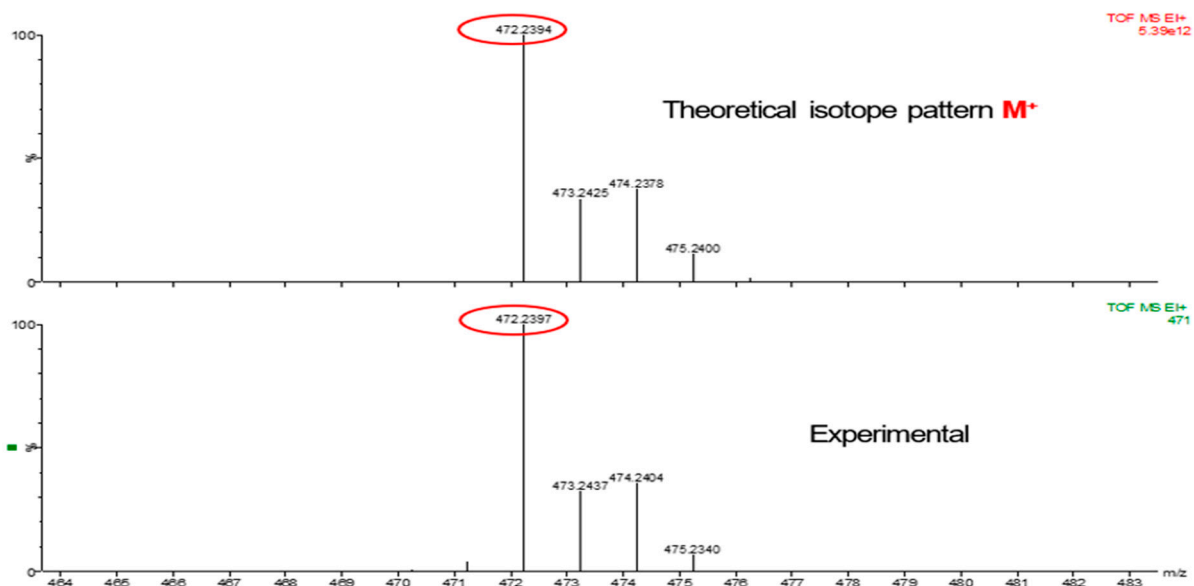
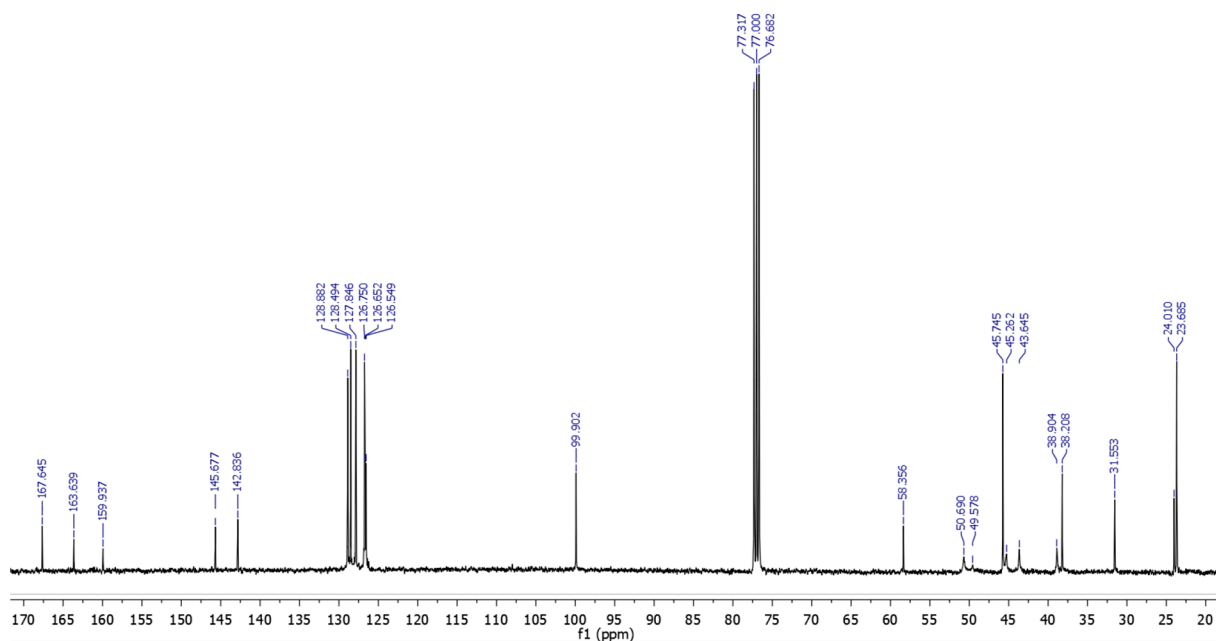




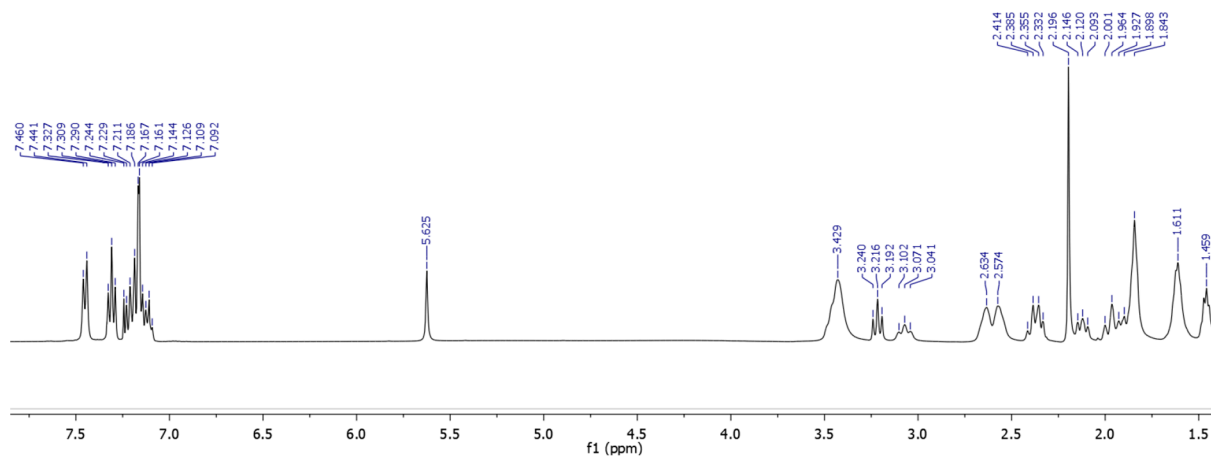
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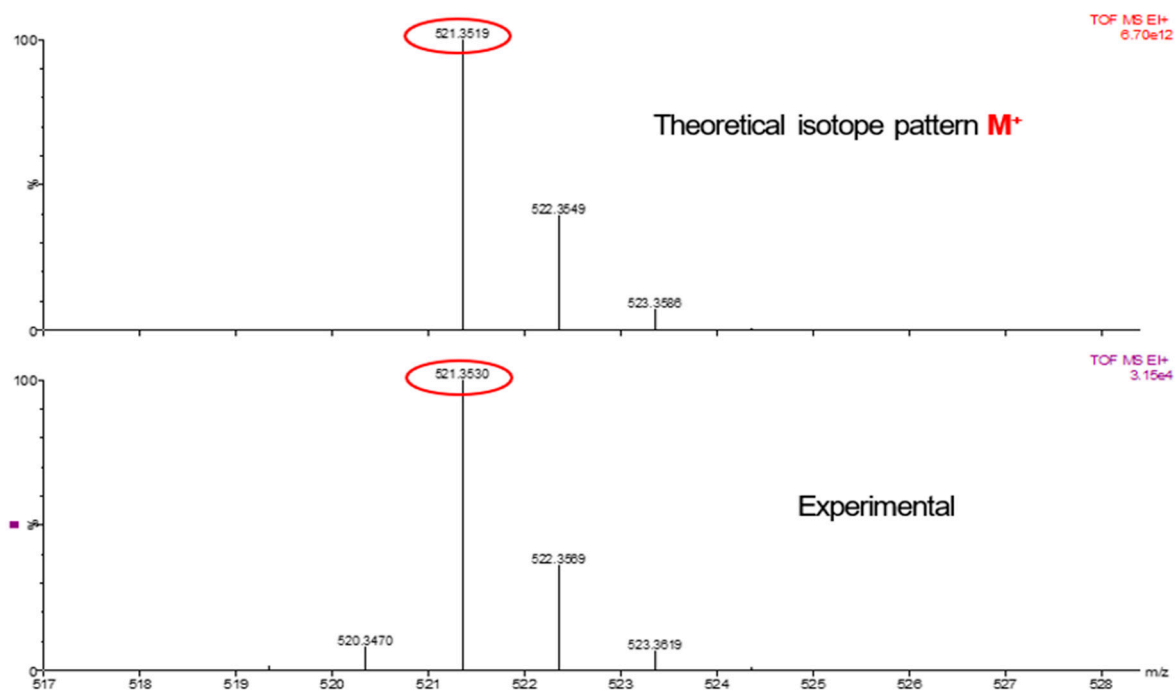
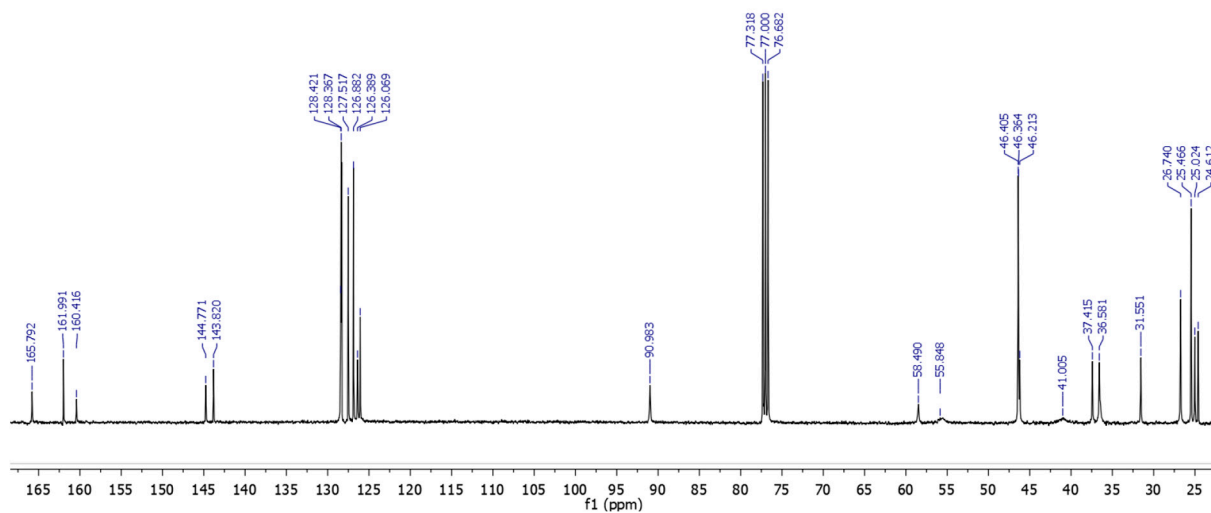
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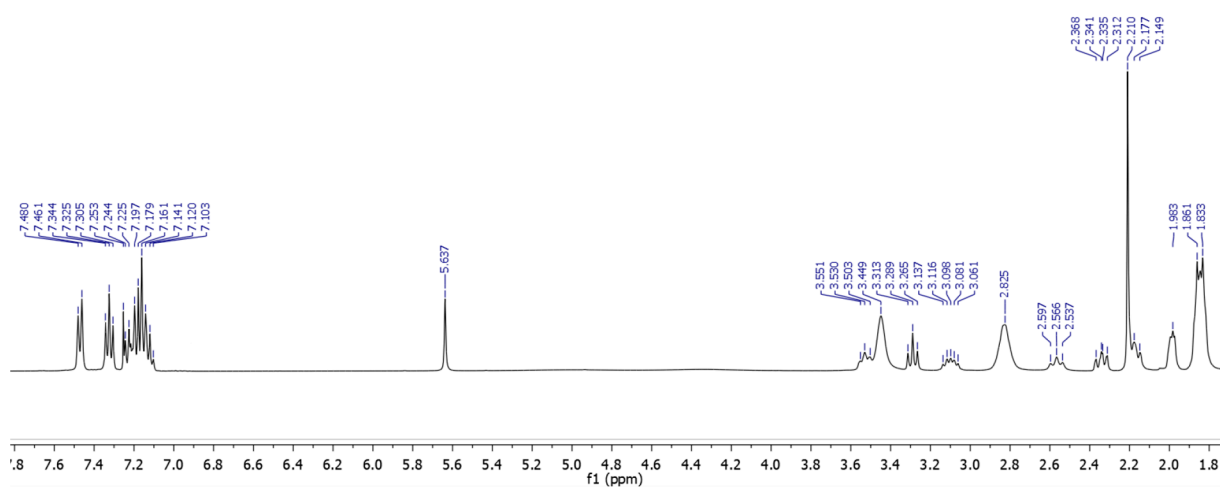
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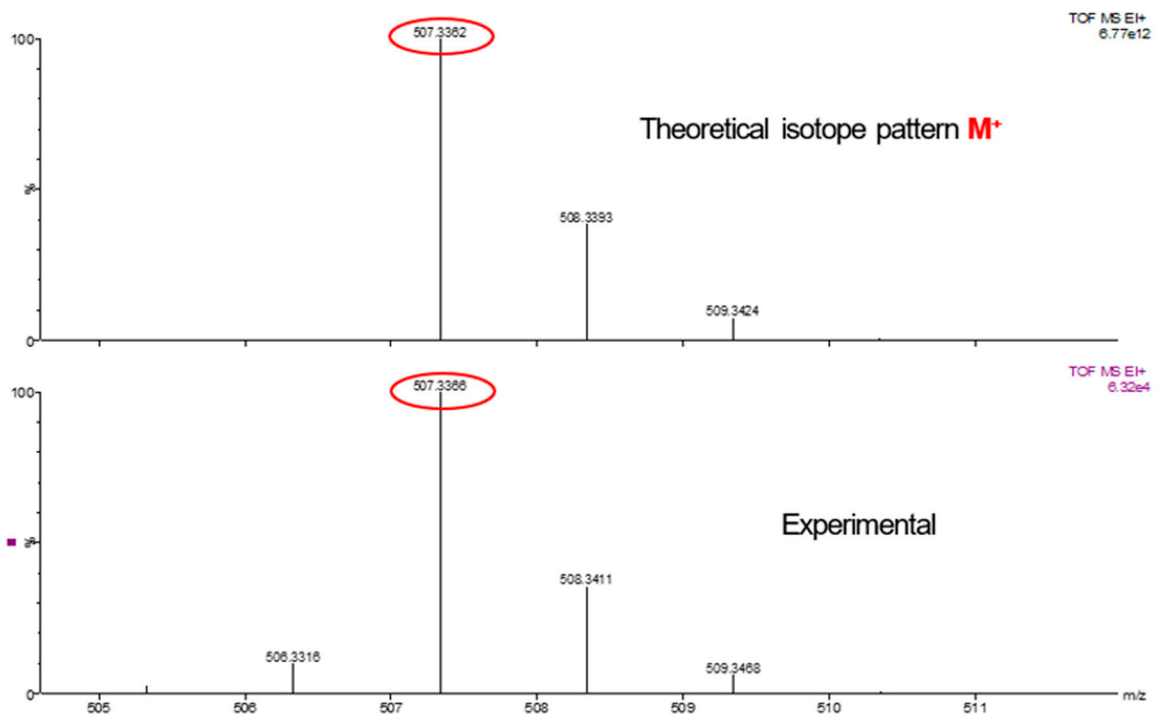
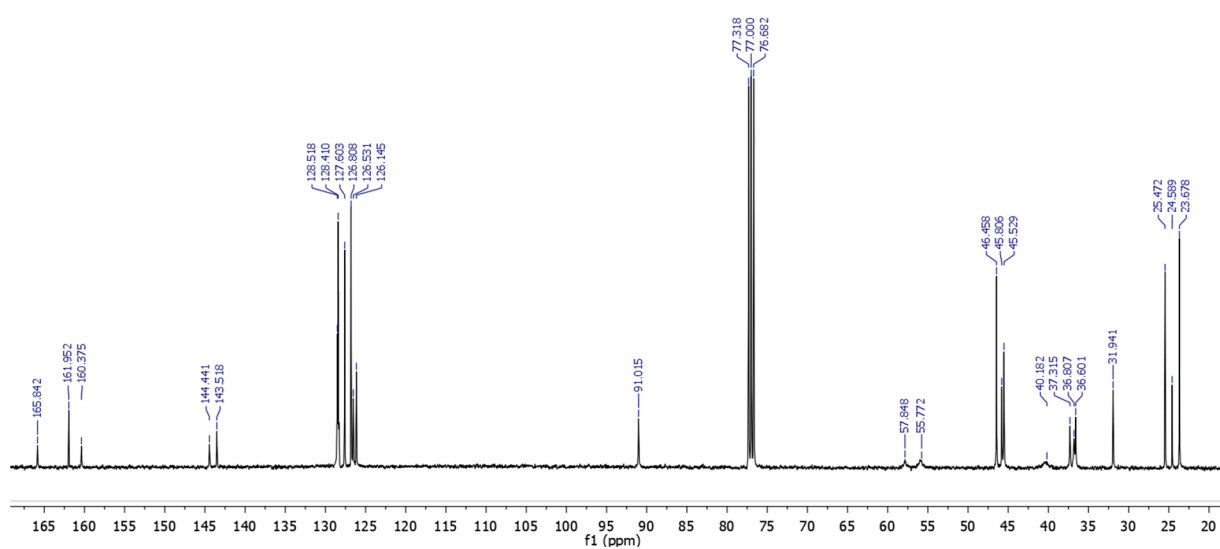
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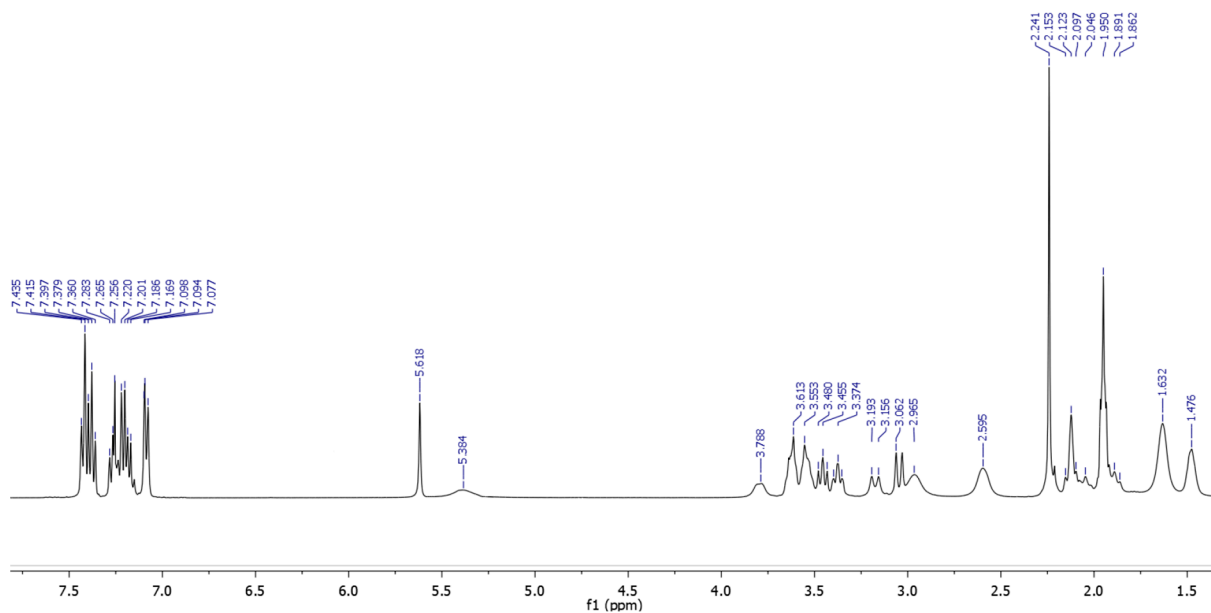
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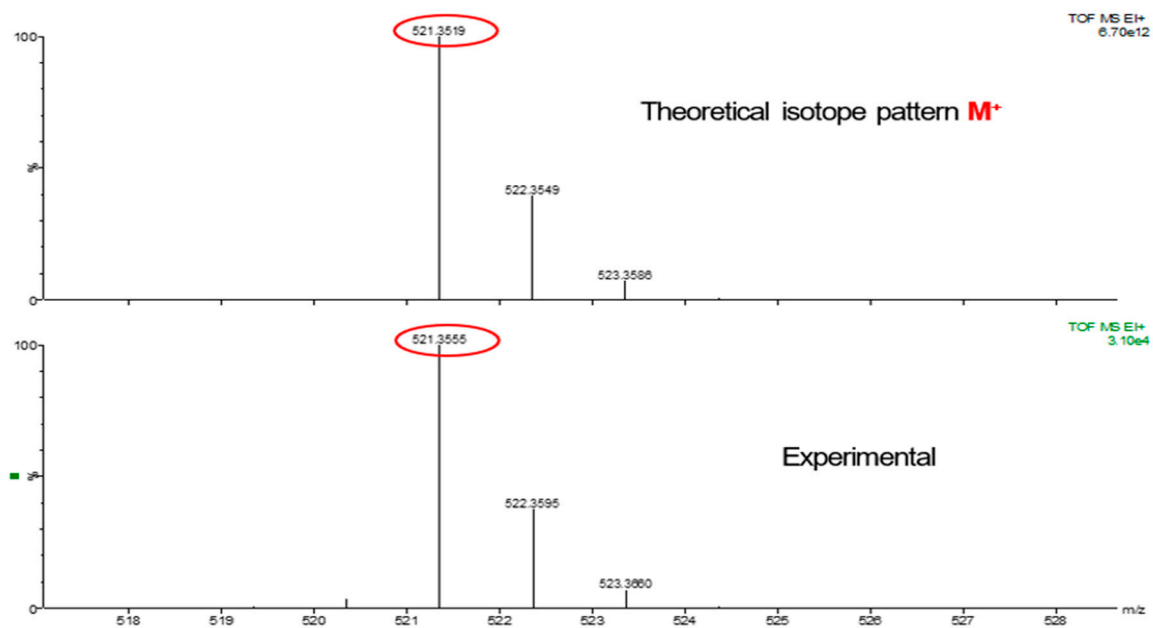
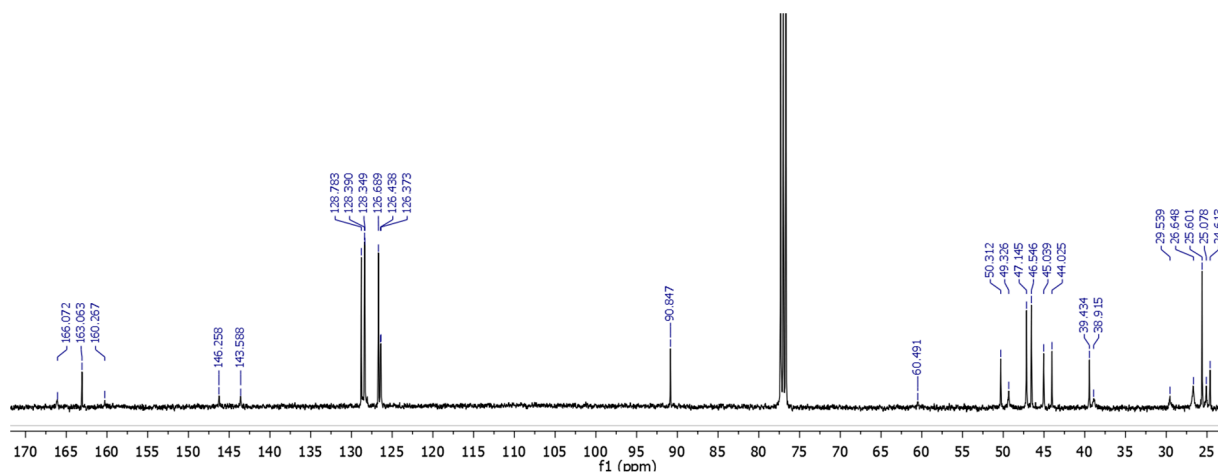
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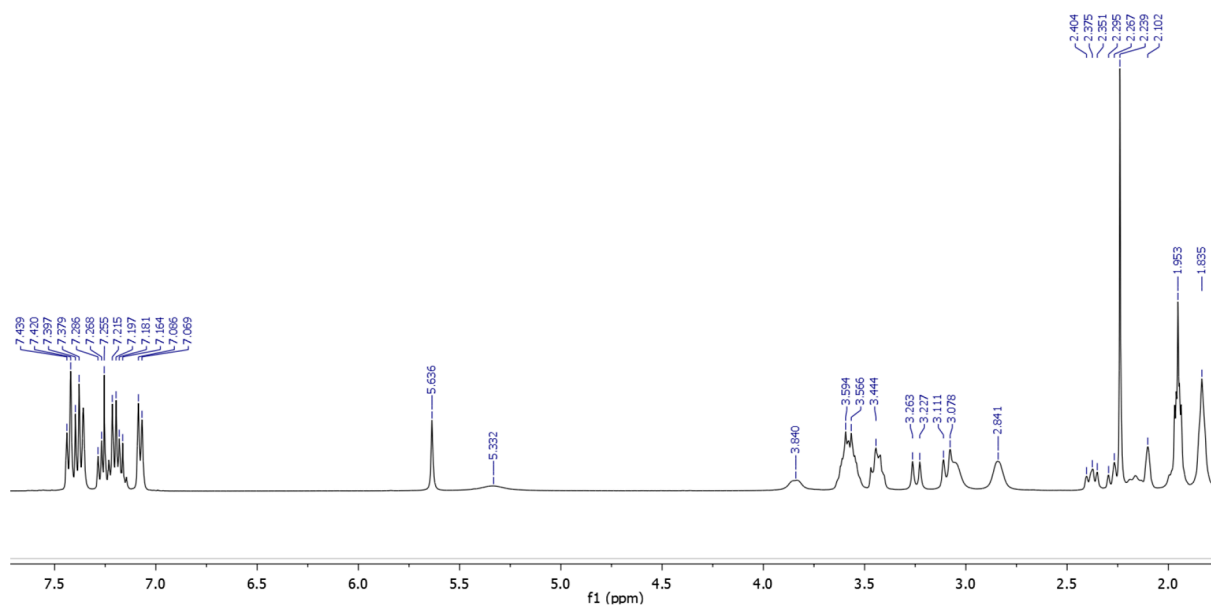
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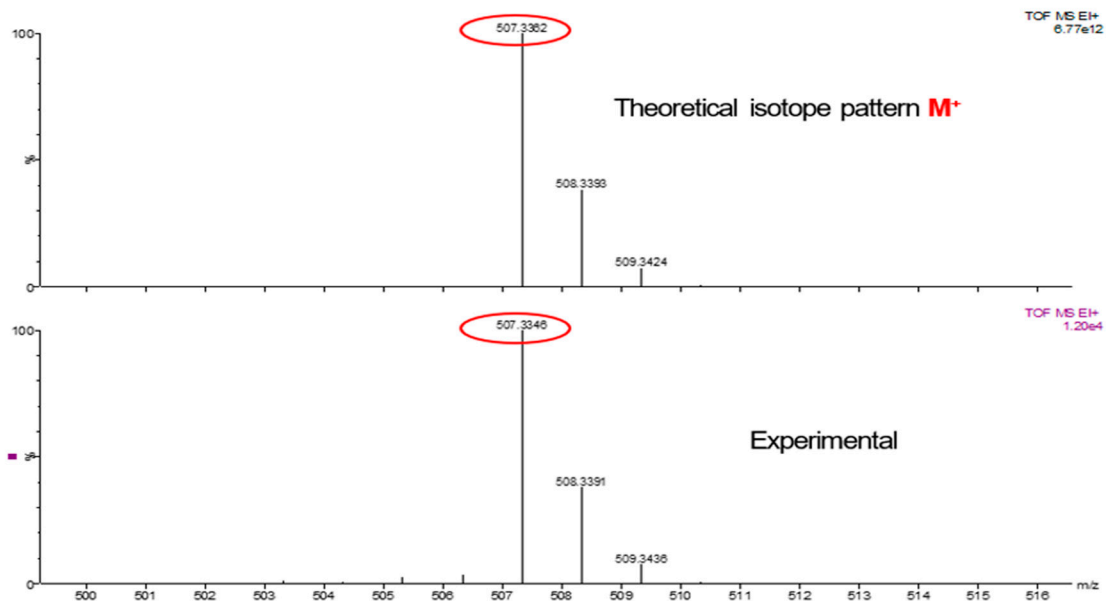
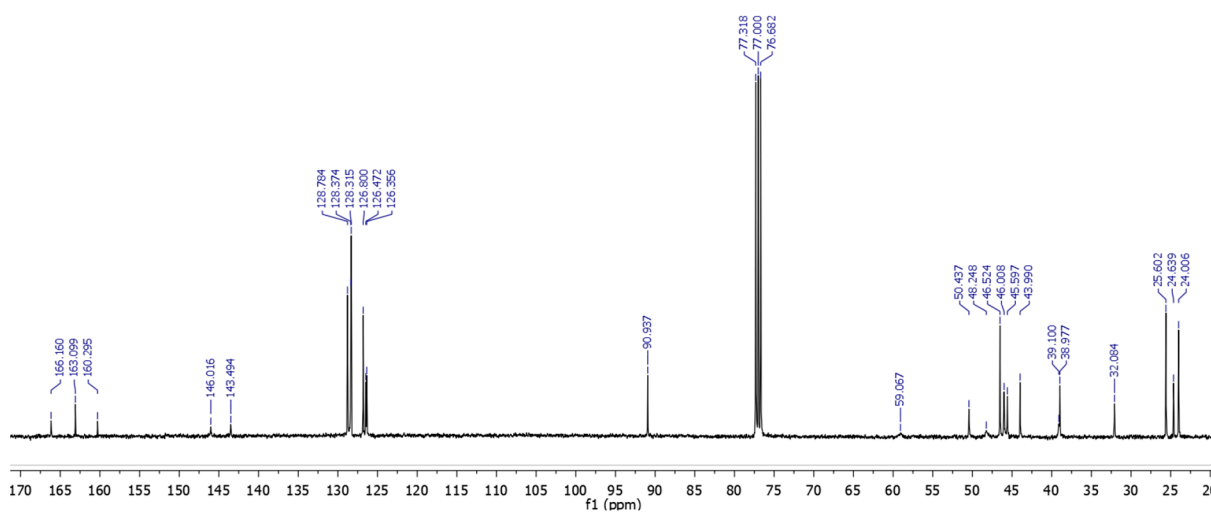
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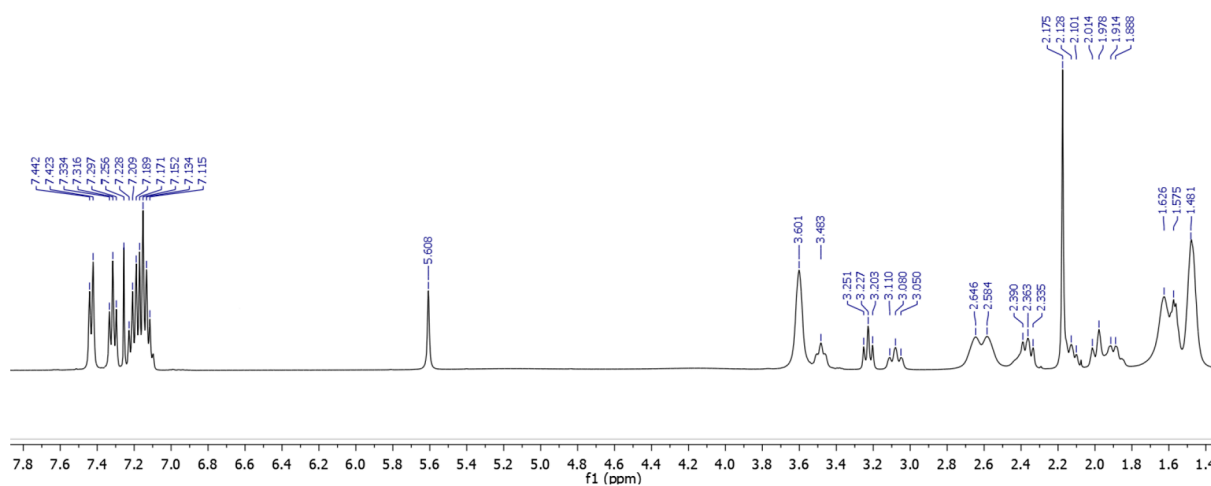
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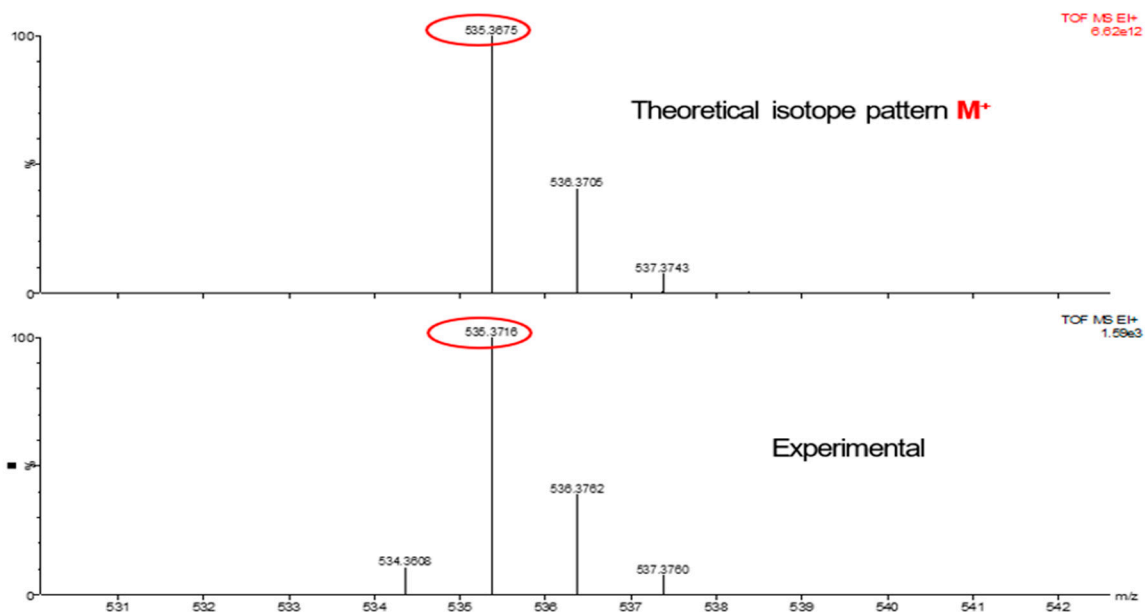
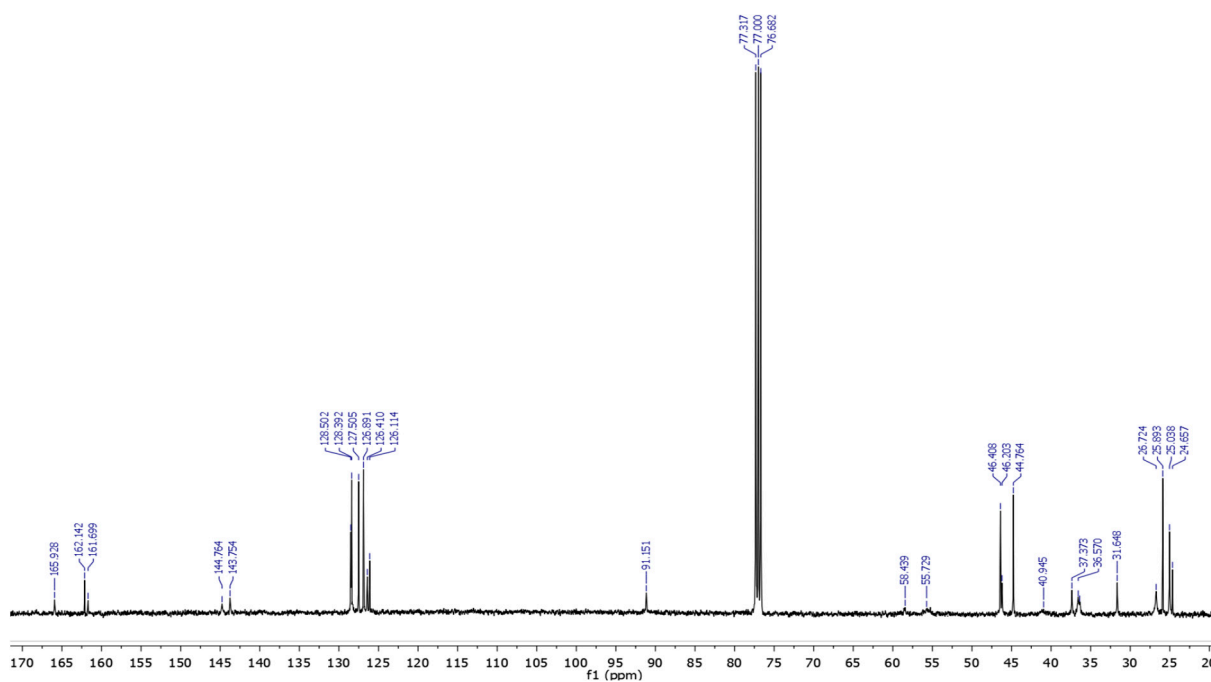
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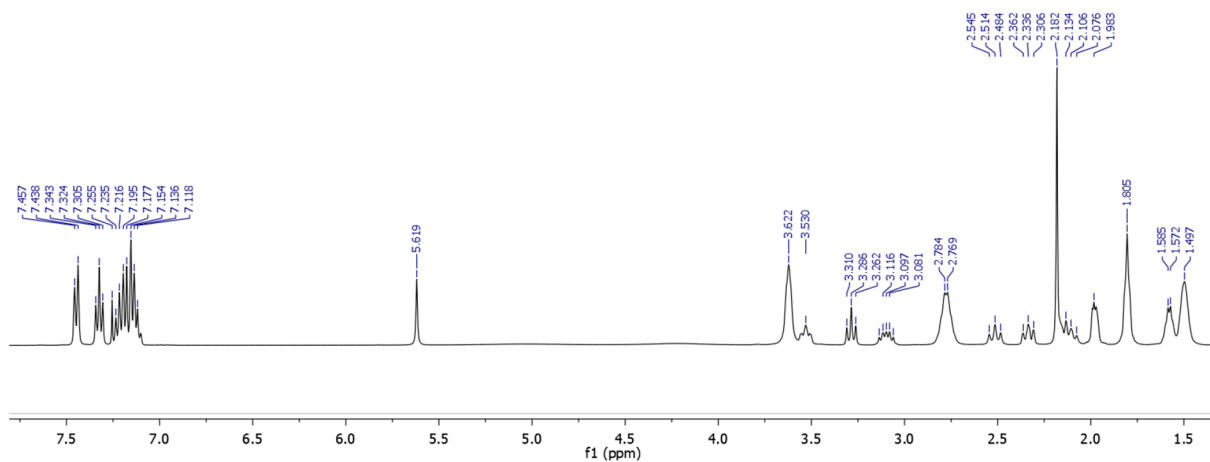
## <sup>1</sup>H NMR



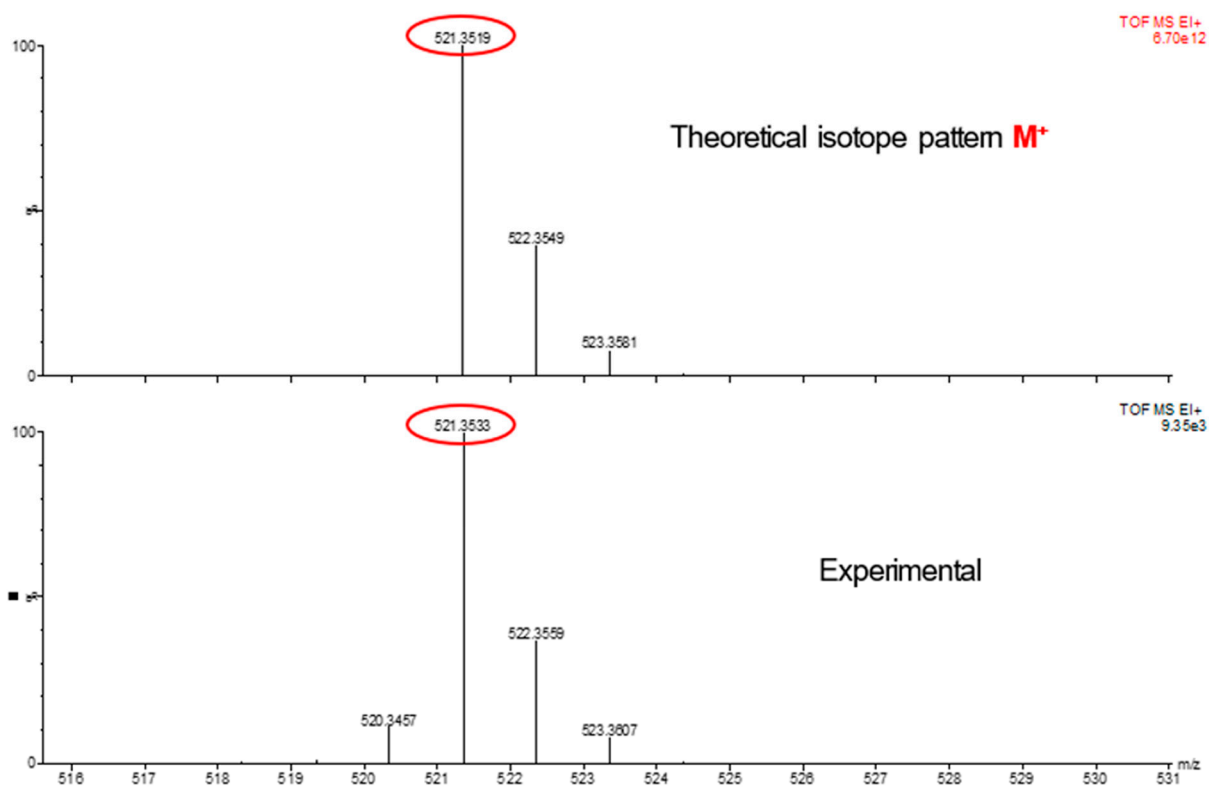
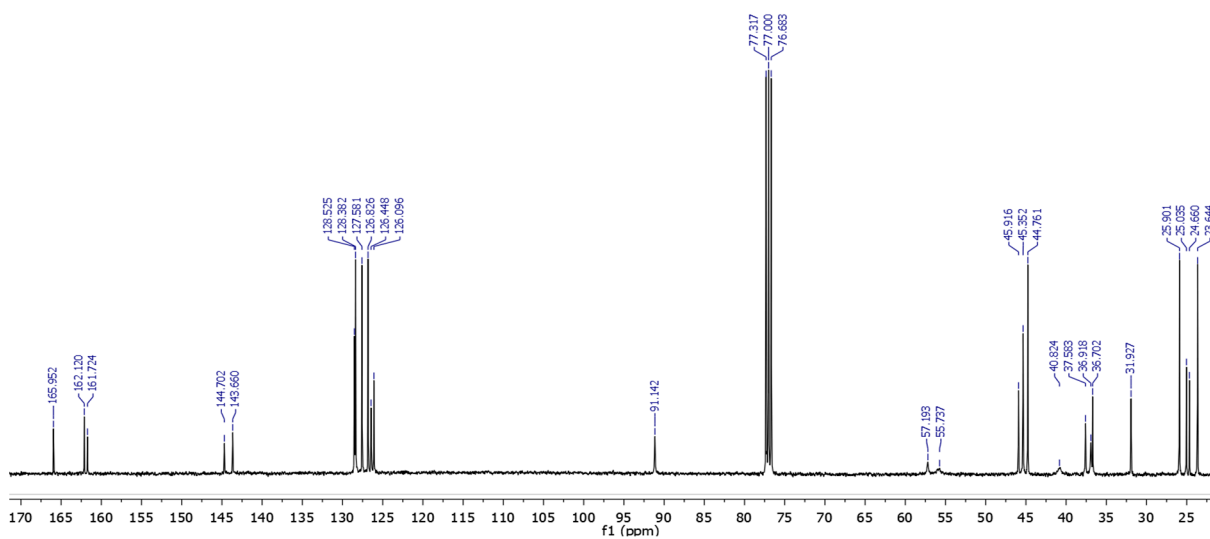
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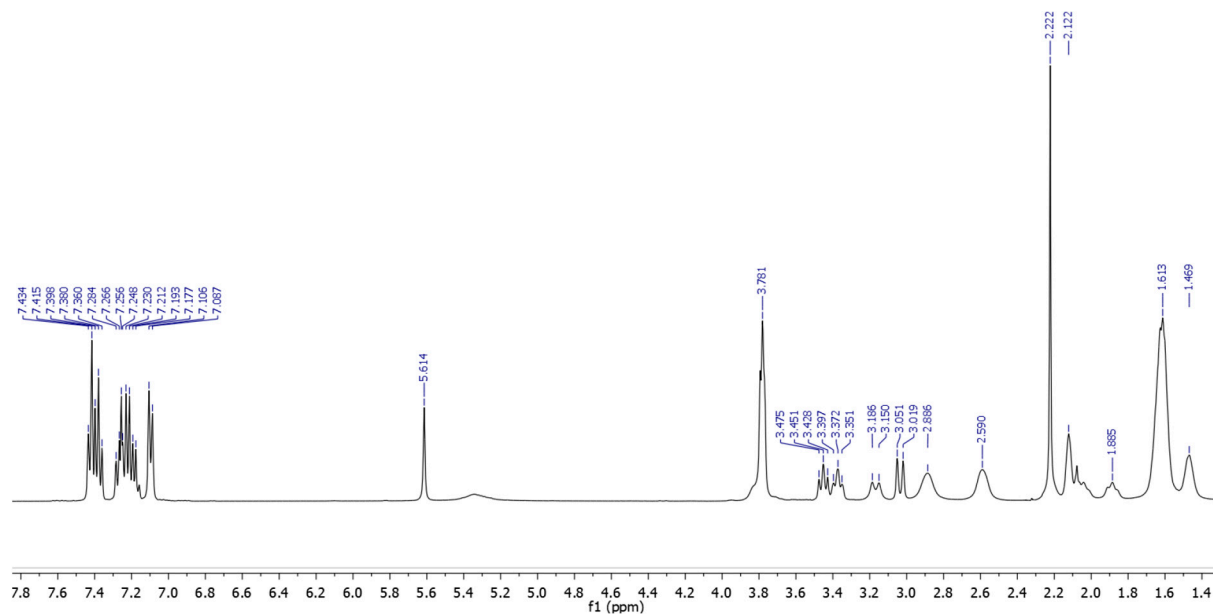
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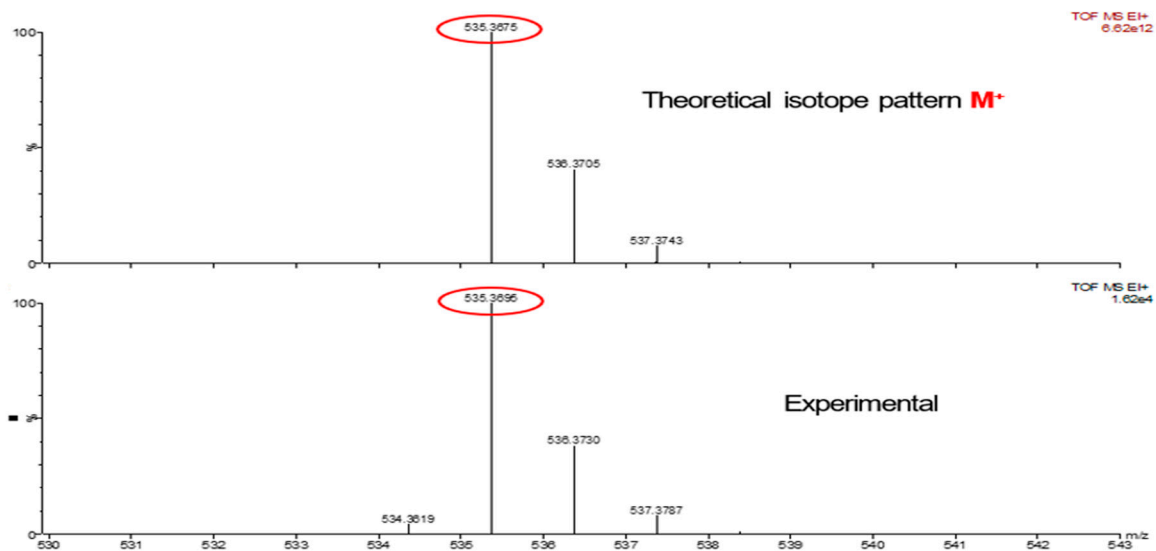
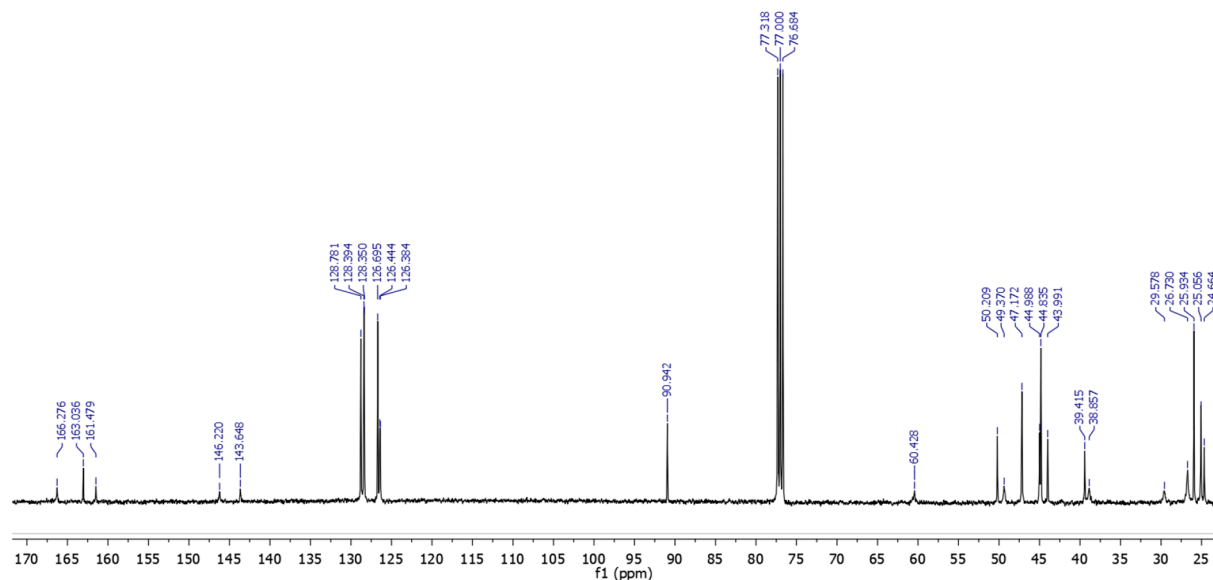
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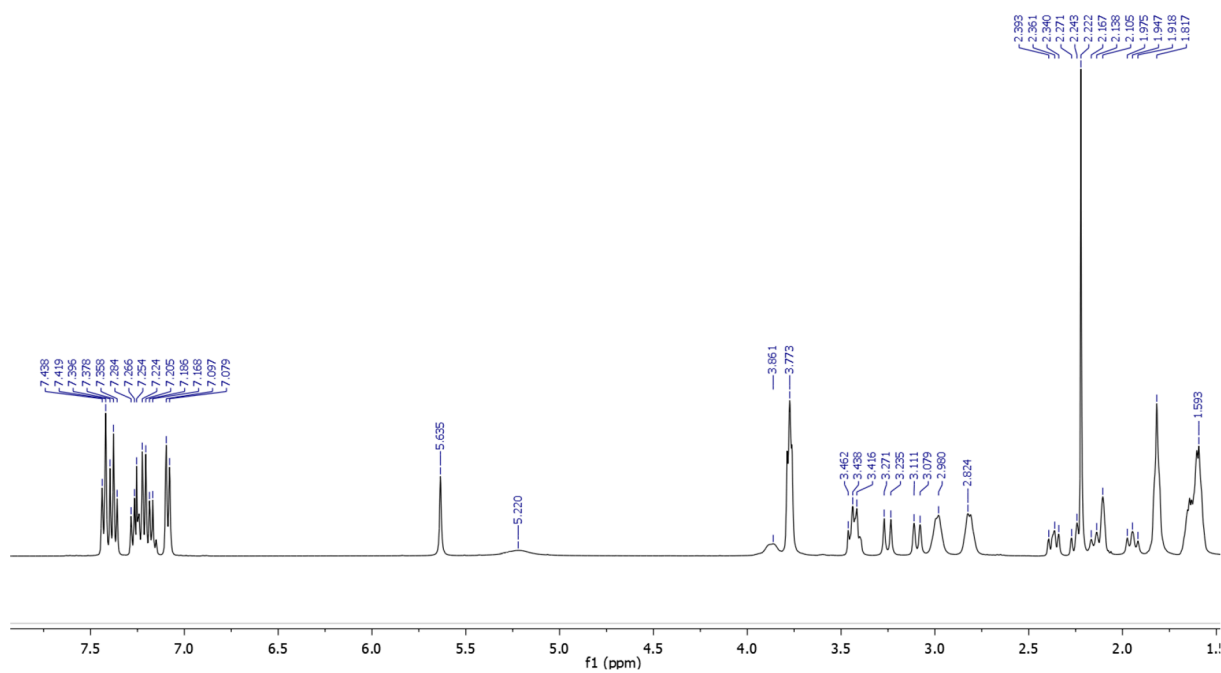


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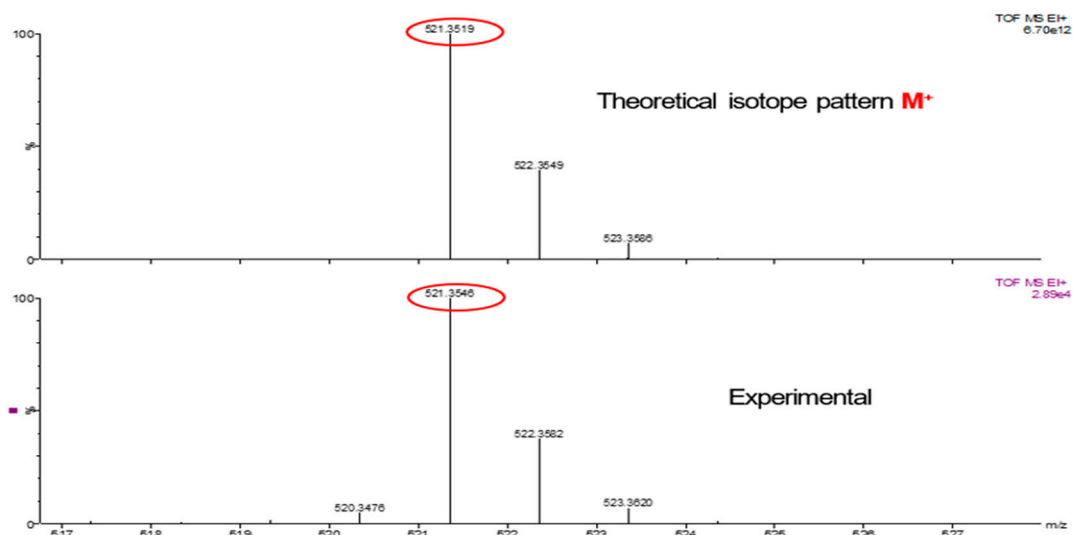
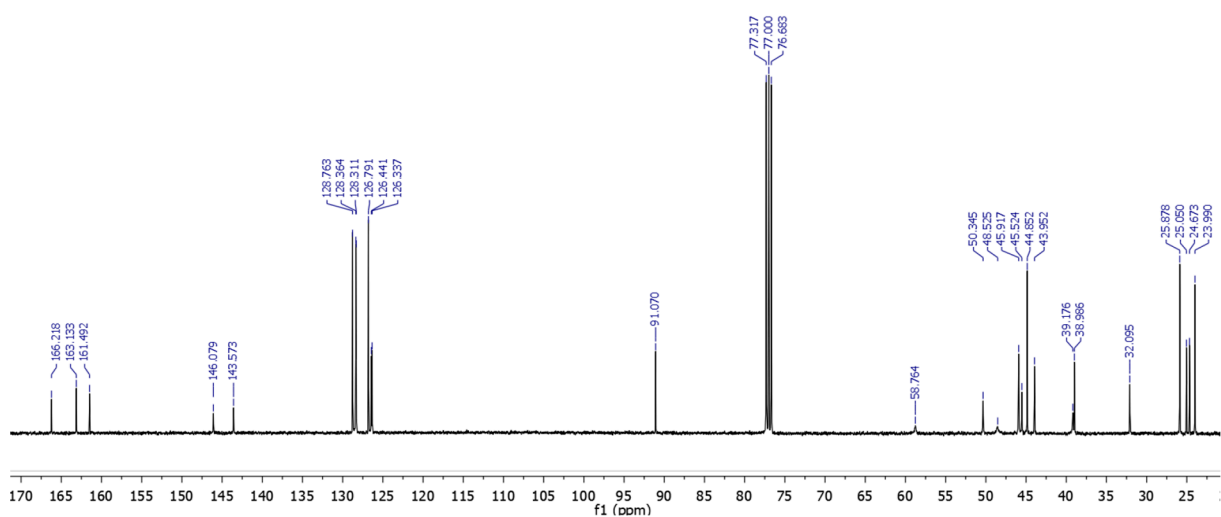




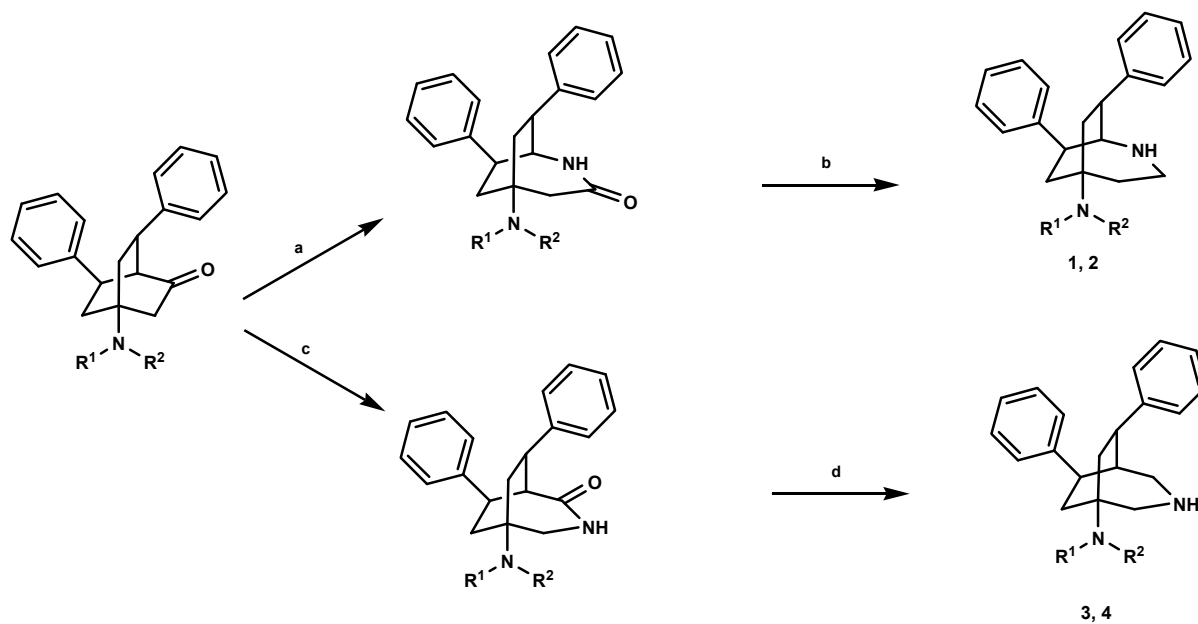
## 24 H nmr



## 24 C nmr



## Synthesis route of compounds 1-4



Compounds	$\text{R}^1+\text{R}^2$
1, 3	$-(\text{CH}_2)_5-$
2, 4	$-(\text{CH}_2)_4-$

Preparation of **1-4**. Reagents and conditions: (a) hydroxylamine-O-sulfonic acid, glacial acetic acid, 145°C, 16h; (b)  $\text{LiAlH}_4$ , diethyl ether, 55°C, 48h; (c)  $\text{NaN}_3$ , conc.  $\text{H}_2\text{SO}_4$ , 20°C; (d)  $\text{LiAlH}_4$ , diethyl ether, 55°C, 18h.