

## Supporting Information

### Efficient Synthetic Method of Allyl- and Propargyl-Epoxides by Allylation and Propargylation of $\alpha$ -Halo Ketones with Organozinc Reagents

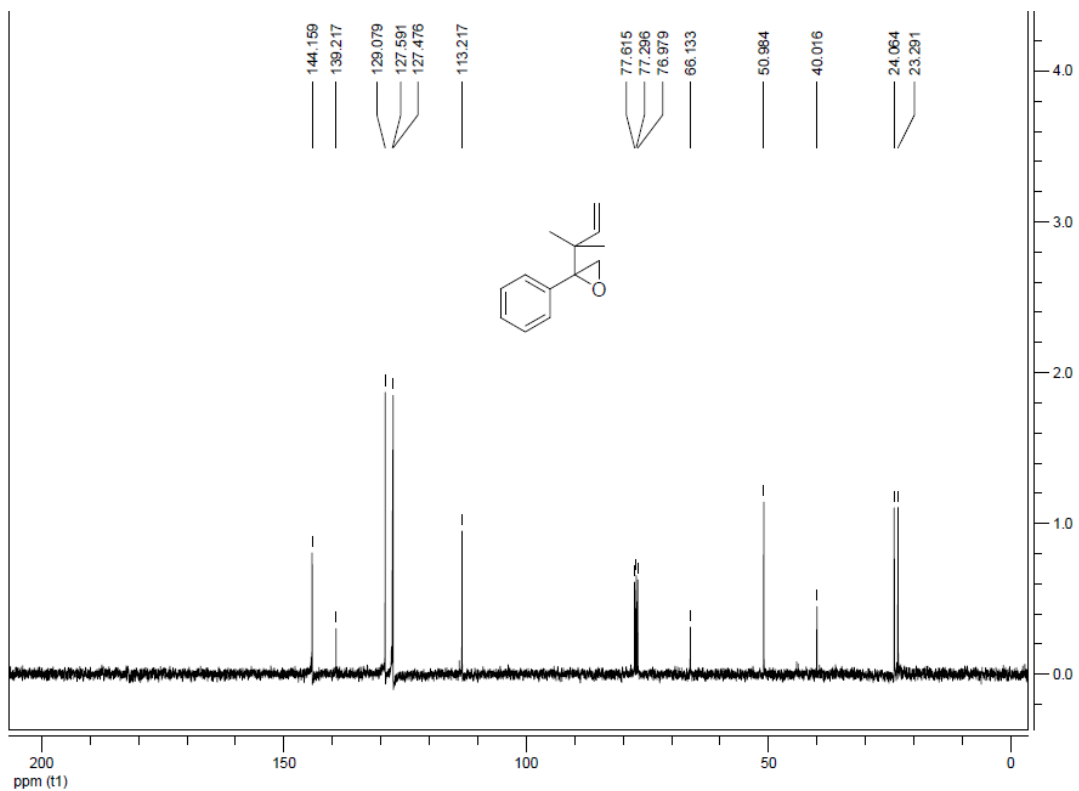
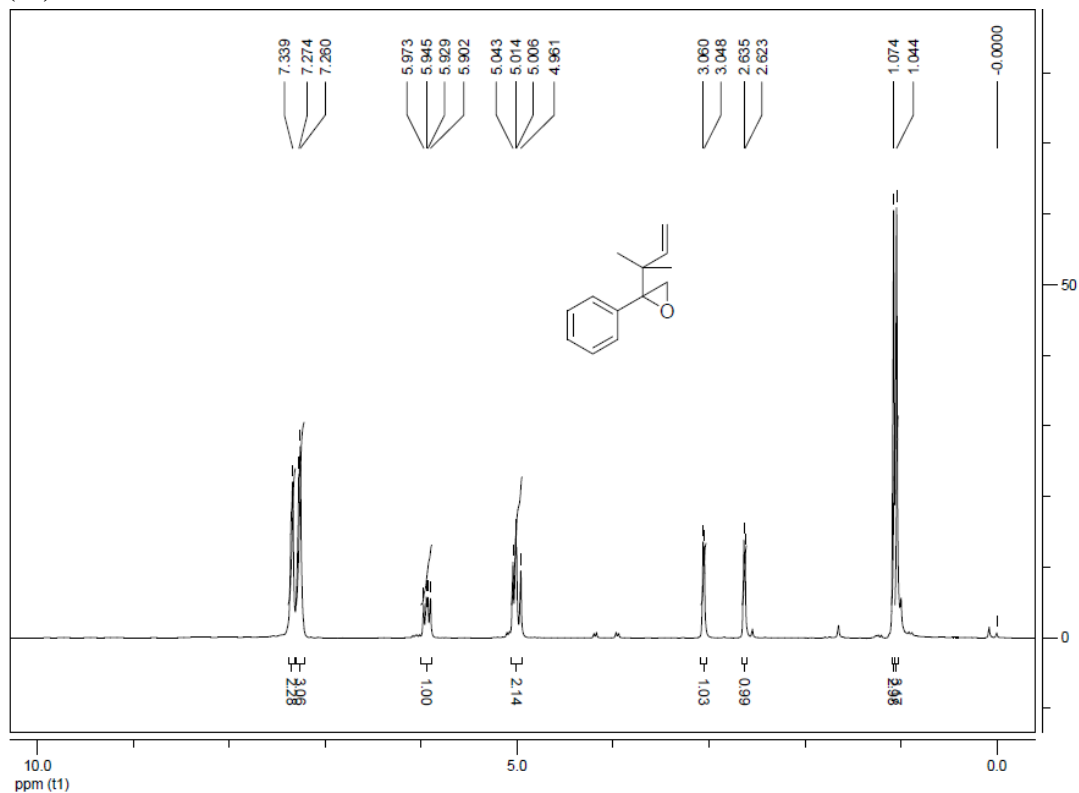
Jie Pan, Min Zhang, Songlin Zhang\*

*Key Laboratory of Organic Synthesis of Jiangsu Province, College of Chemistry, Chemical Engineering and Materials Science, Dushu Lake Campus, Suzhou University, Suzhou, 215123, People's Republic of China.*

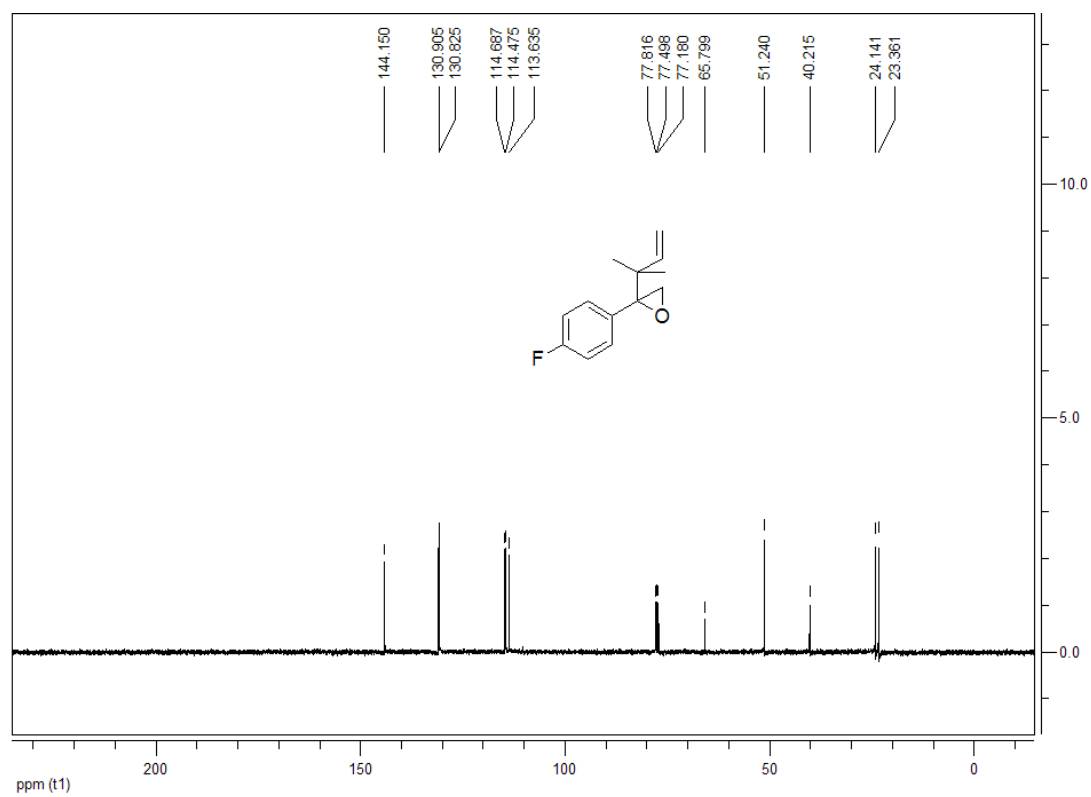
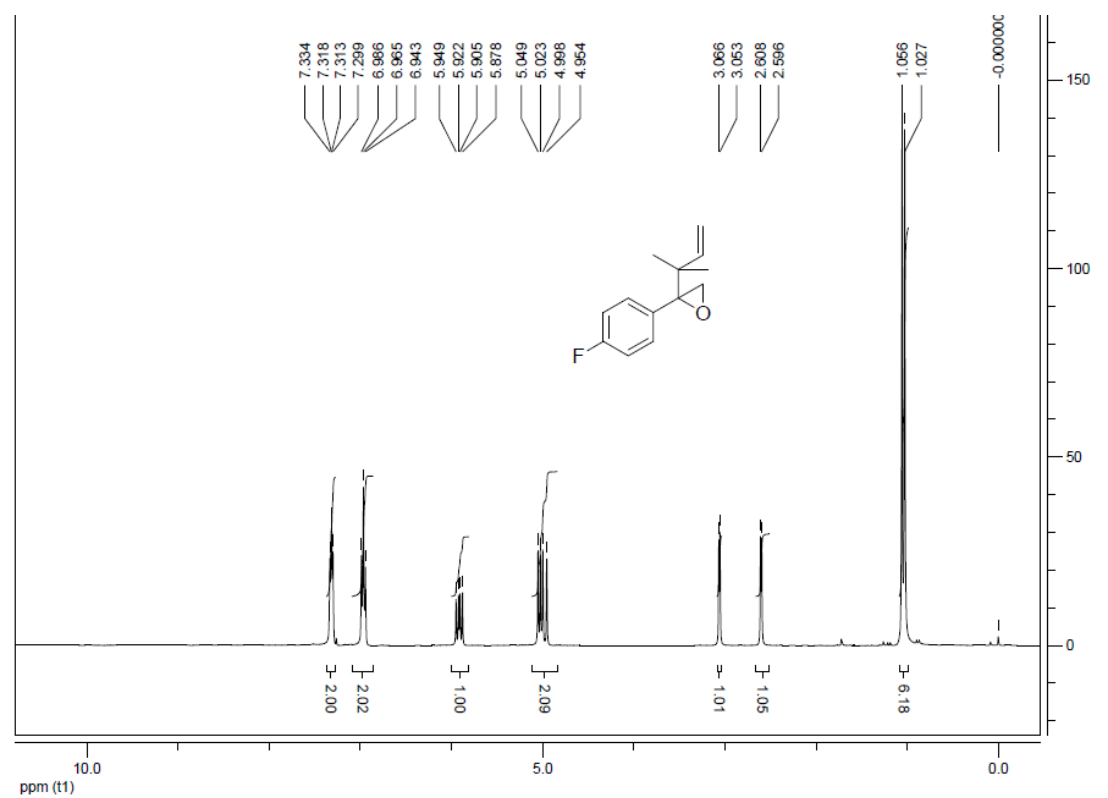
[zhangsl@suda.edu.cn](mailto:zhangsl@suda.edu.cn)

## H and <sup>13</sup>C NMR Spectra

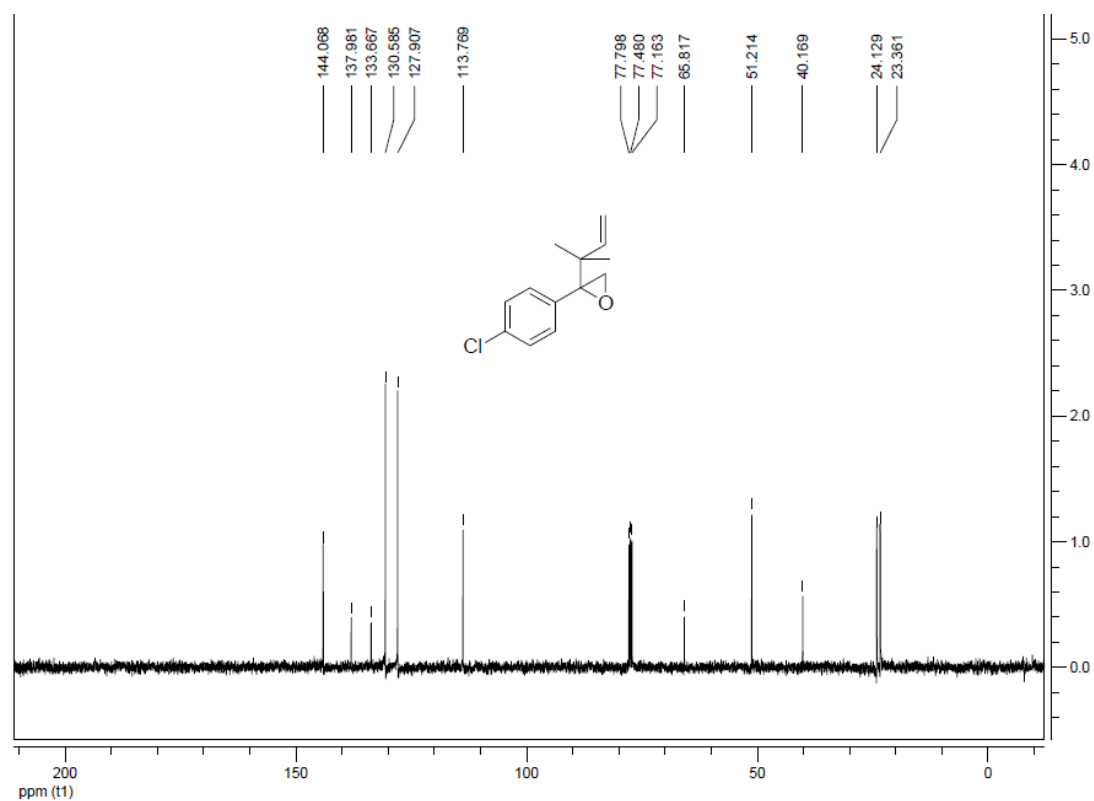
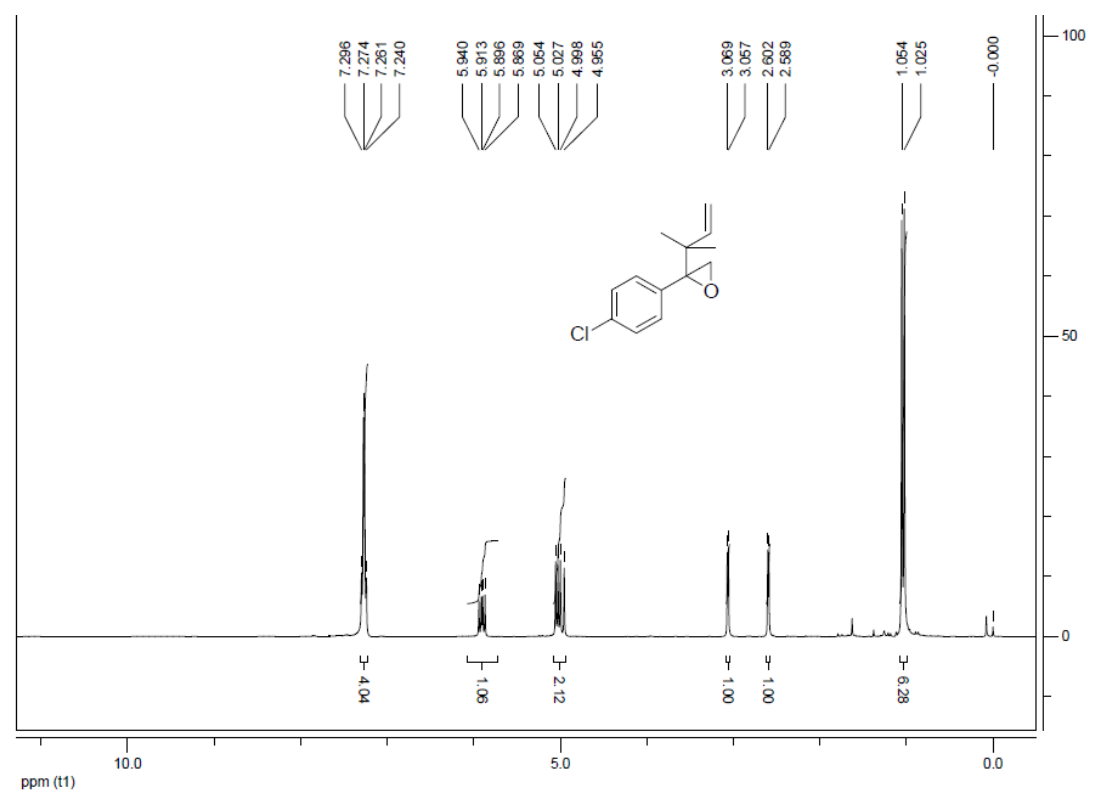
(3a)



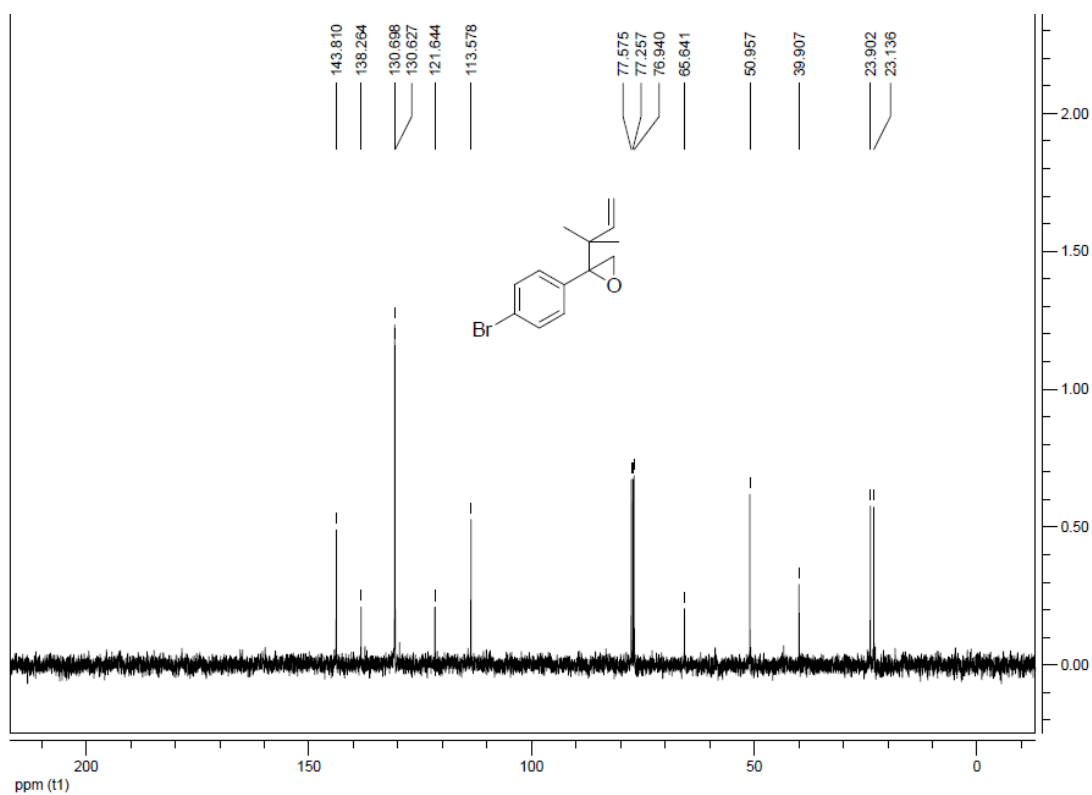
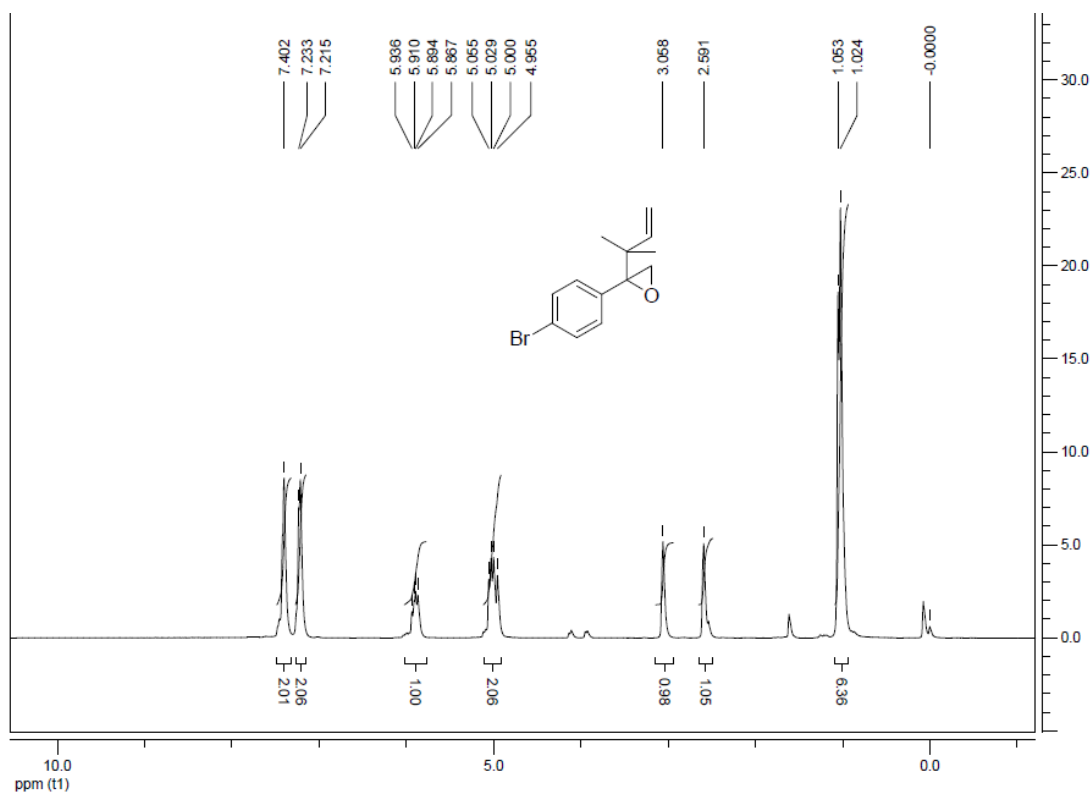
(4a)



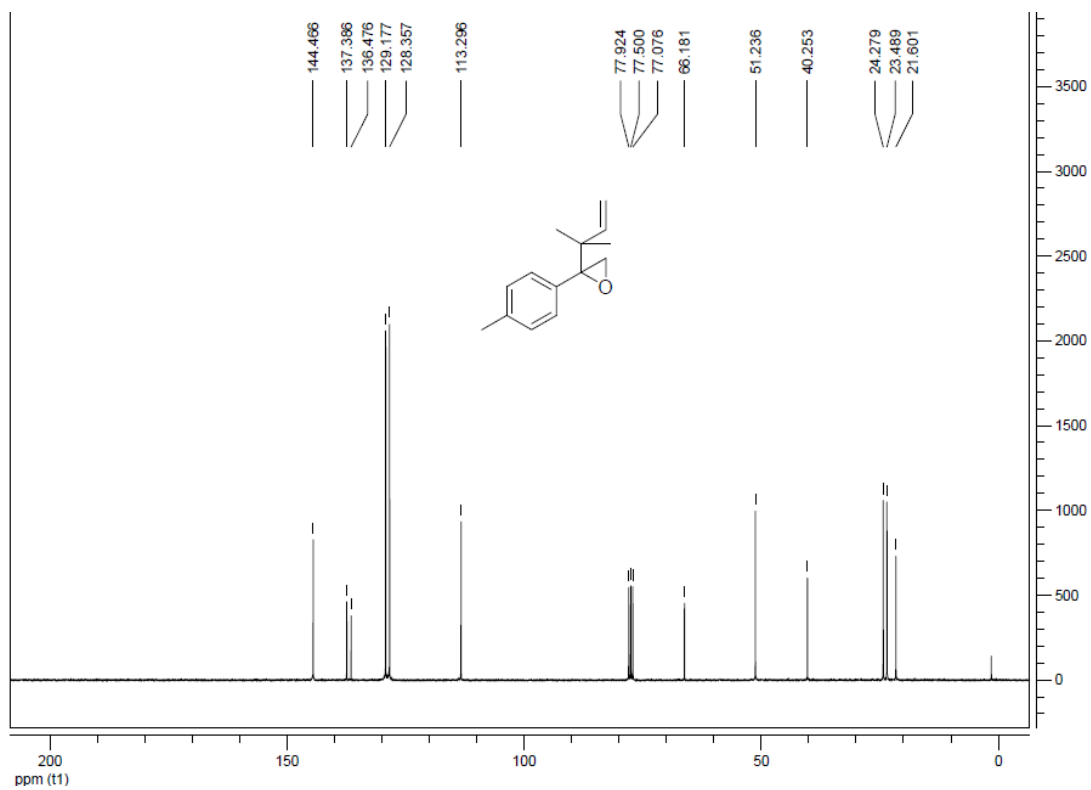
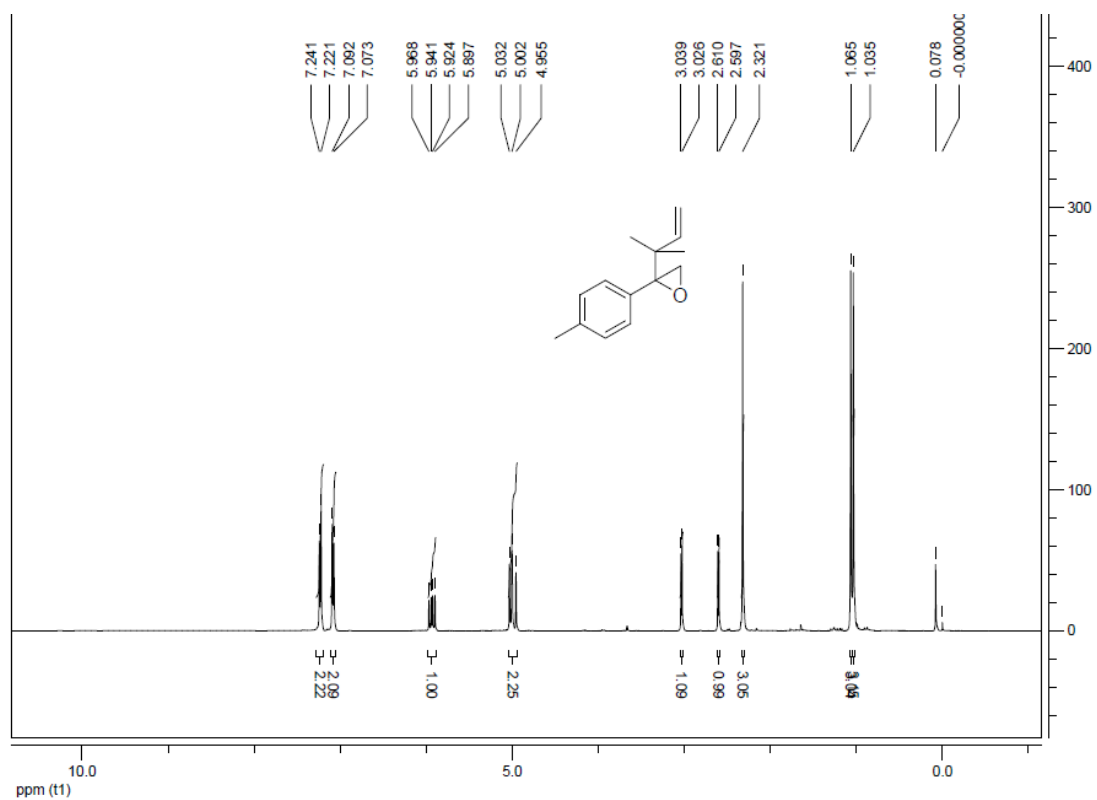
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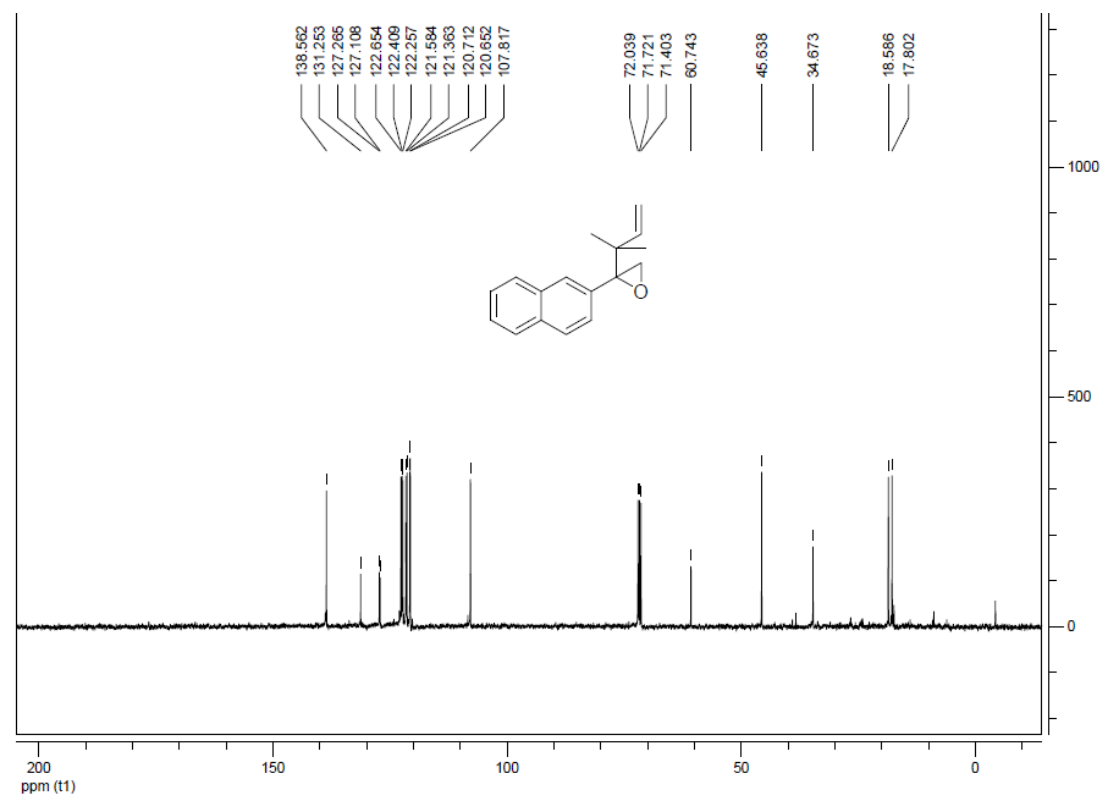
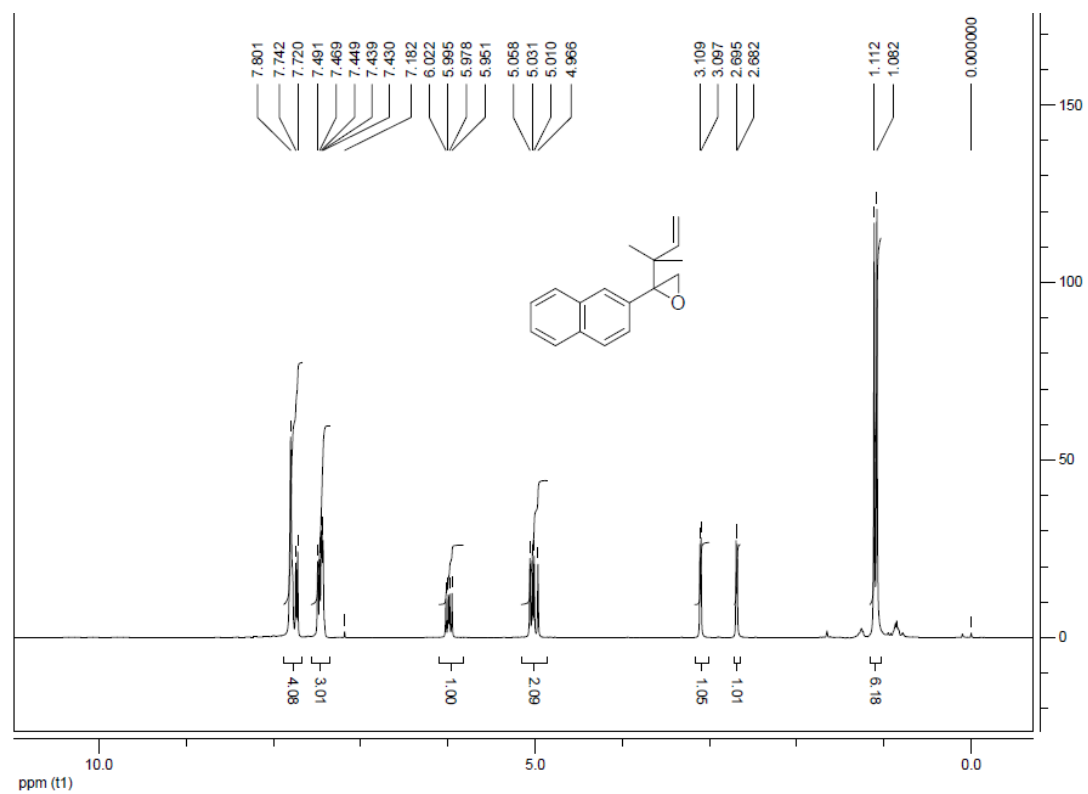
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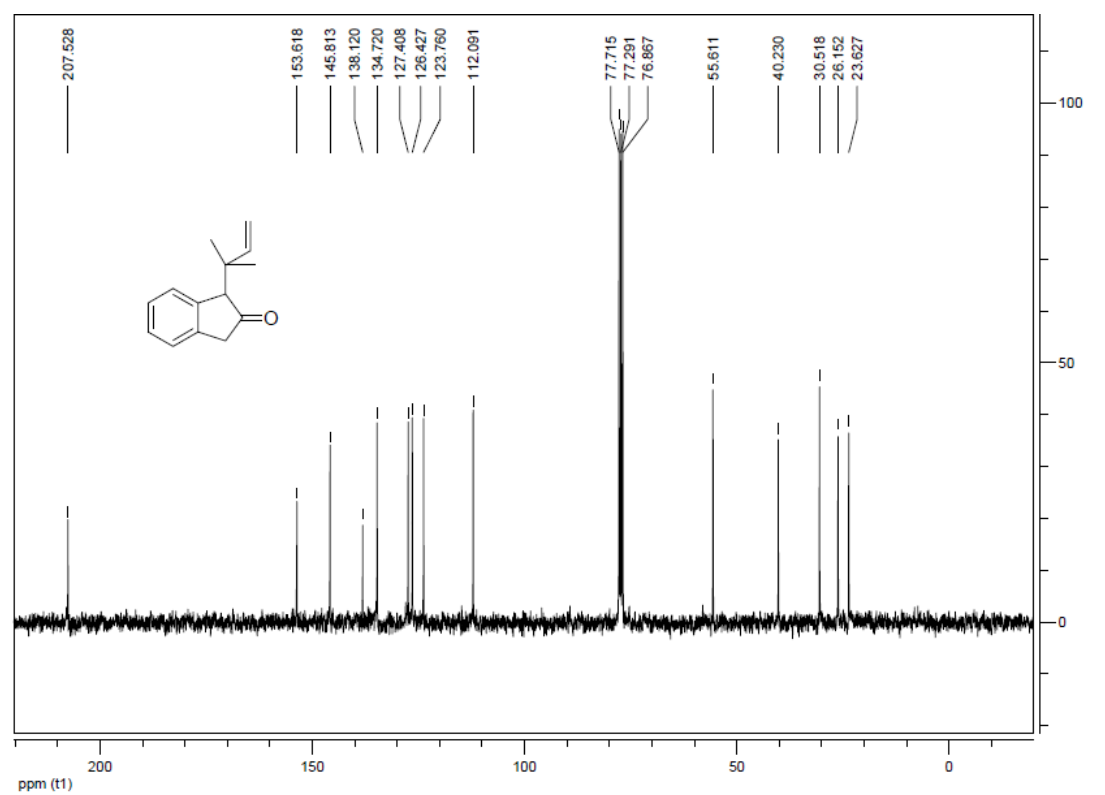
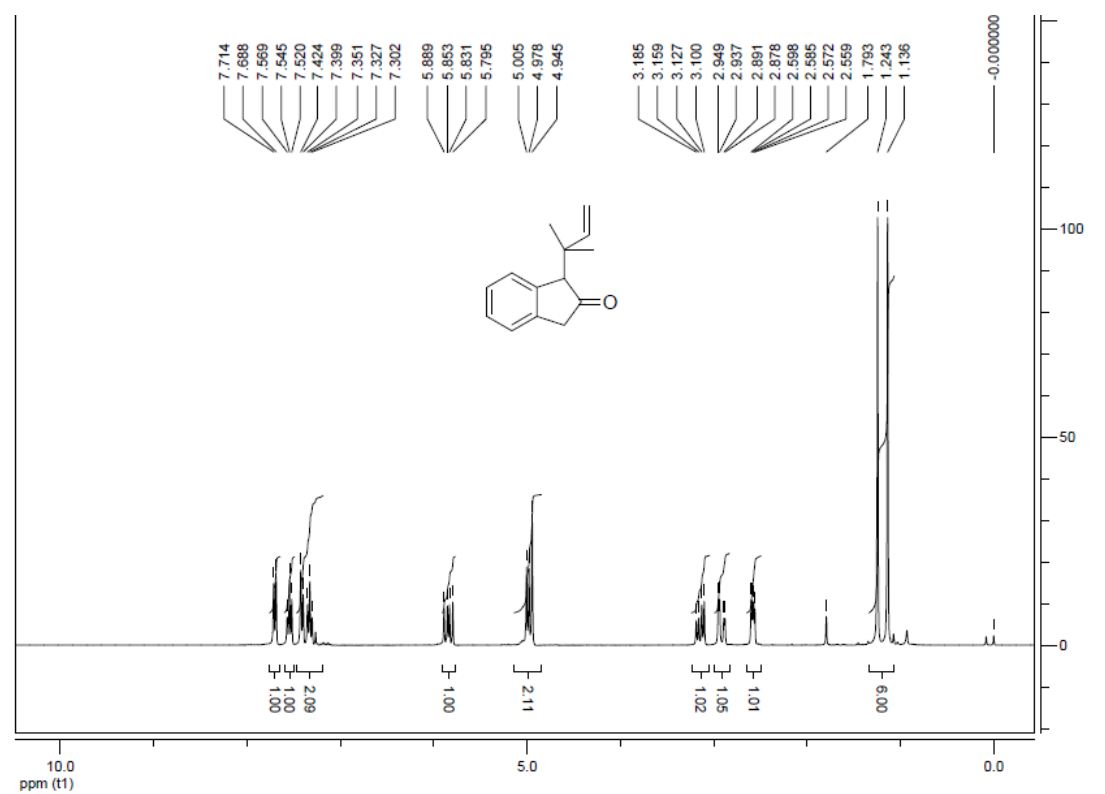
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(4e)

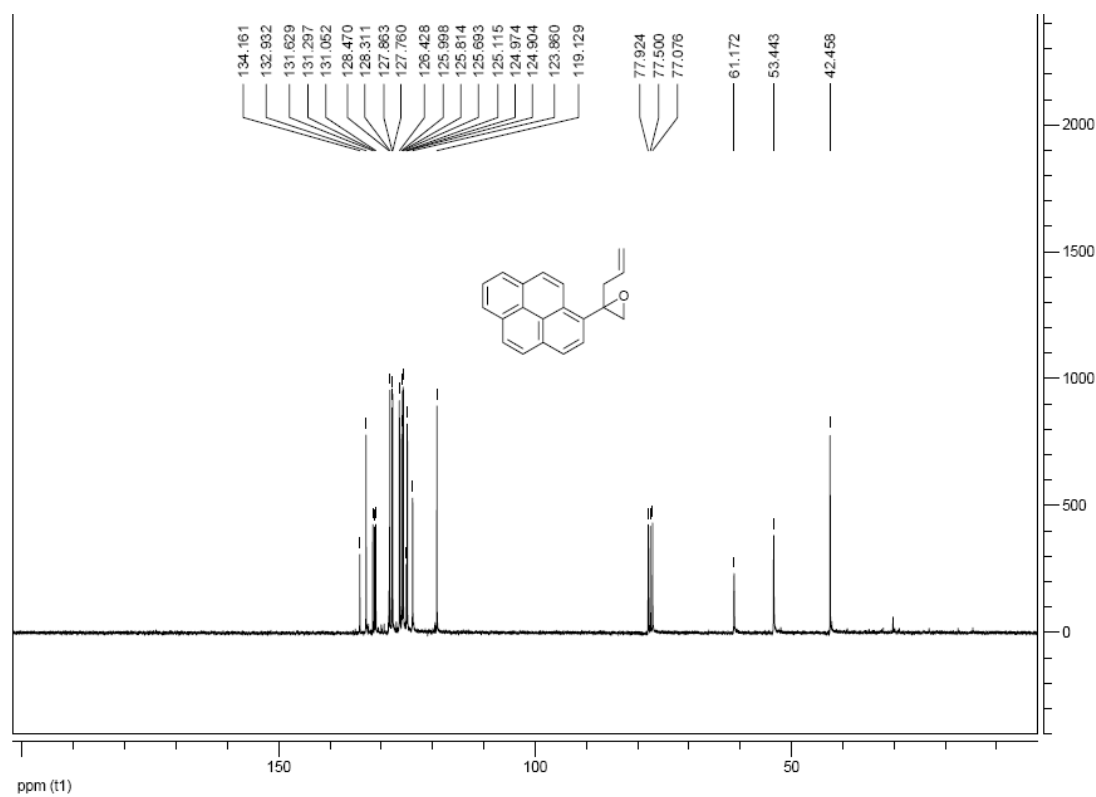
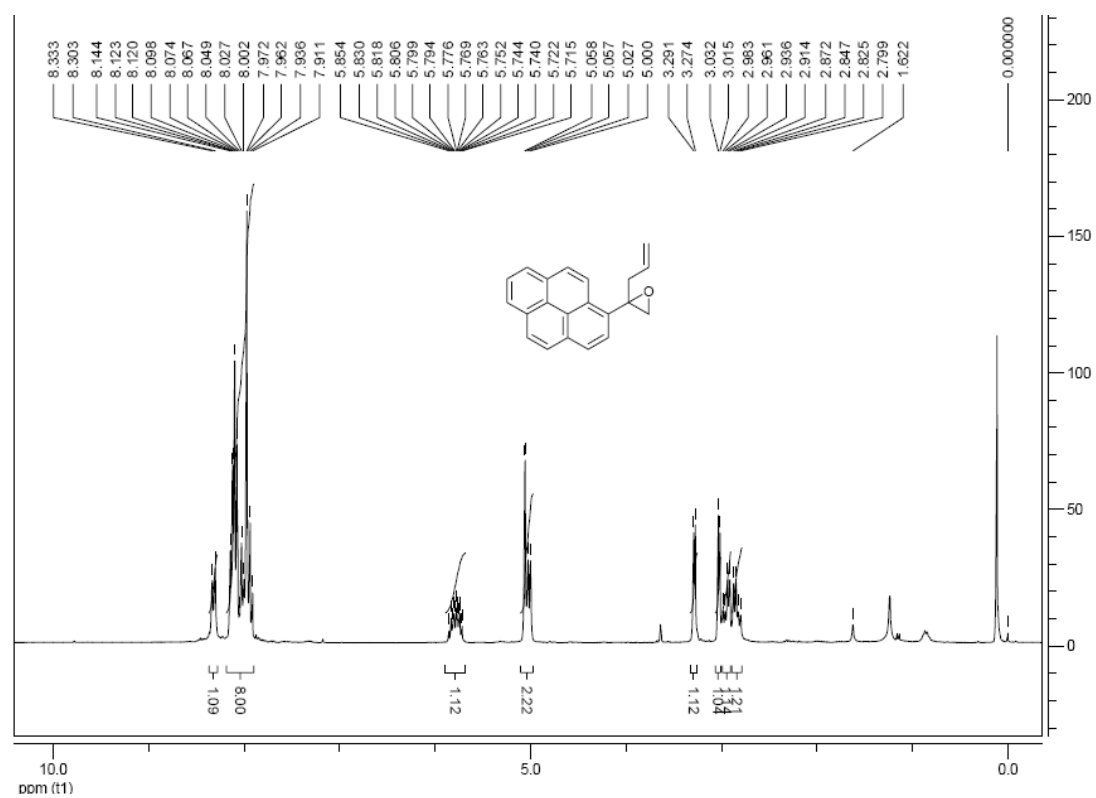


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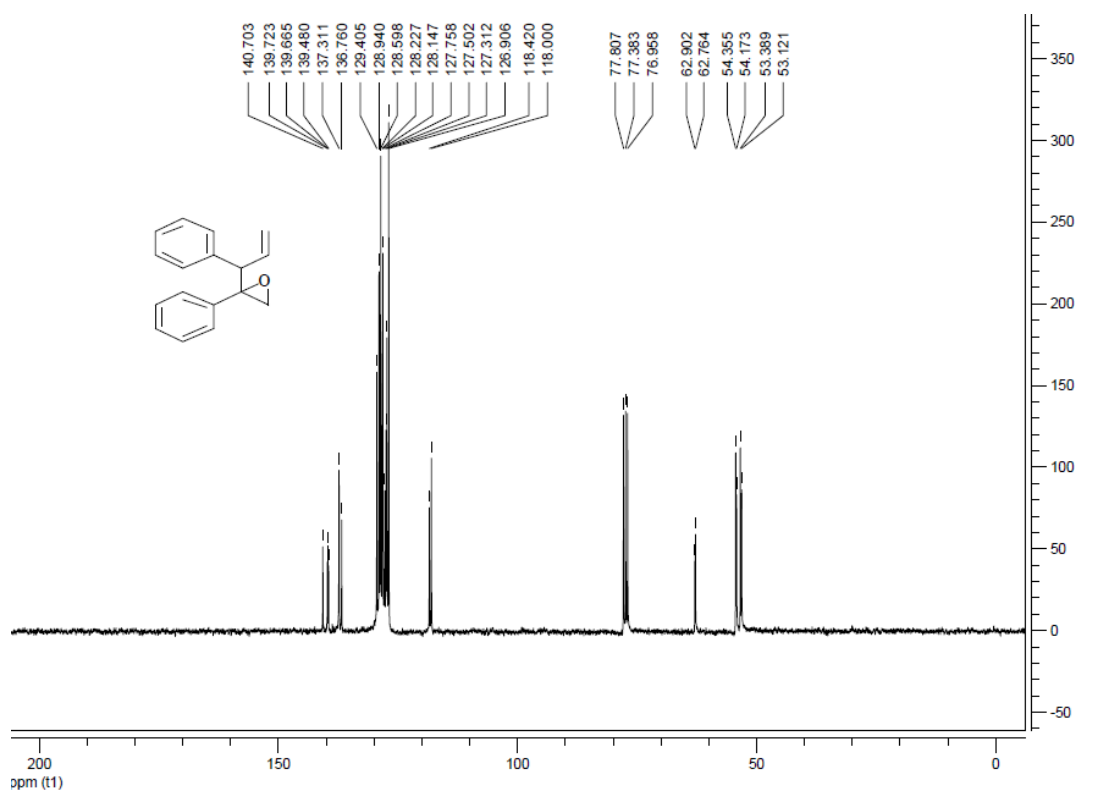
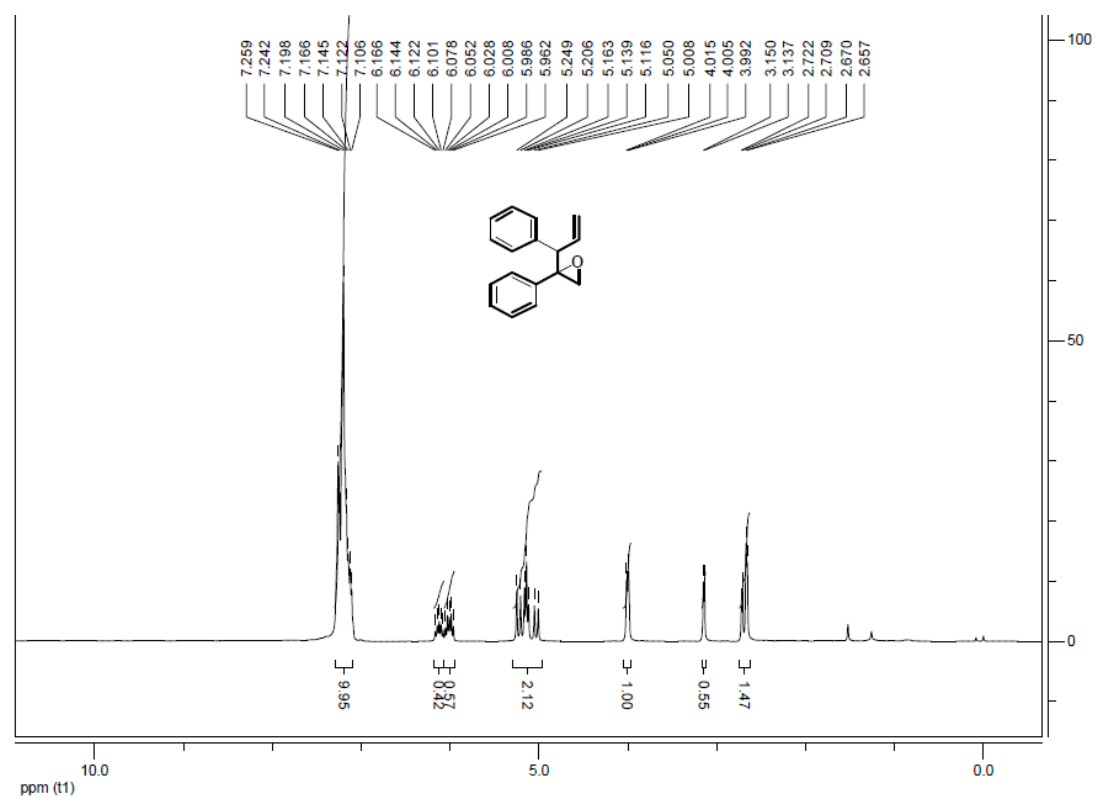




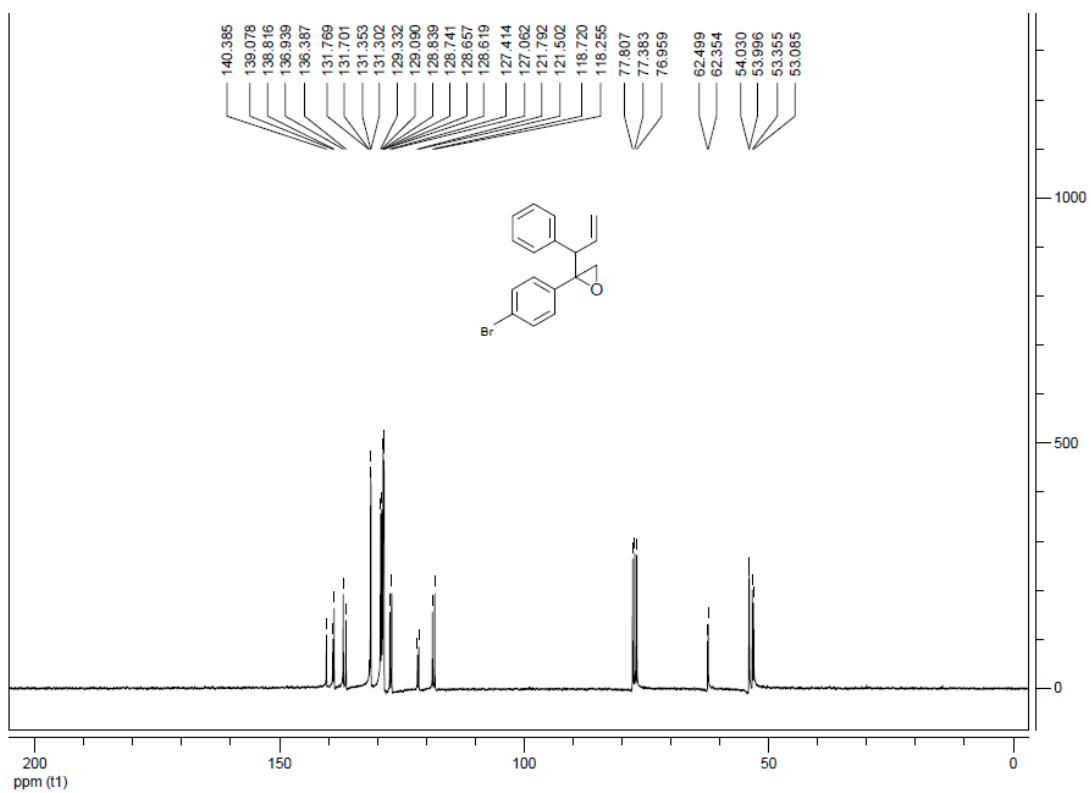
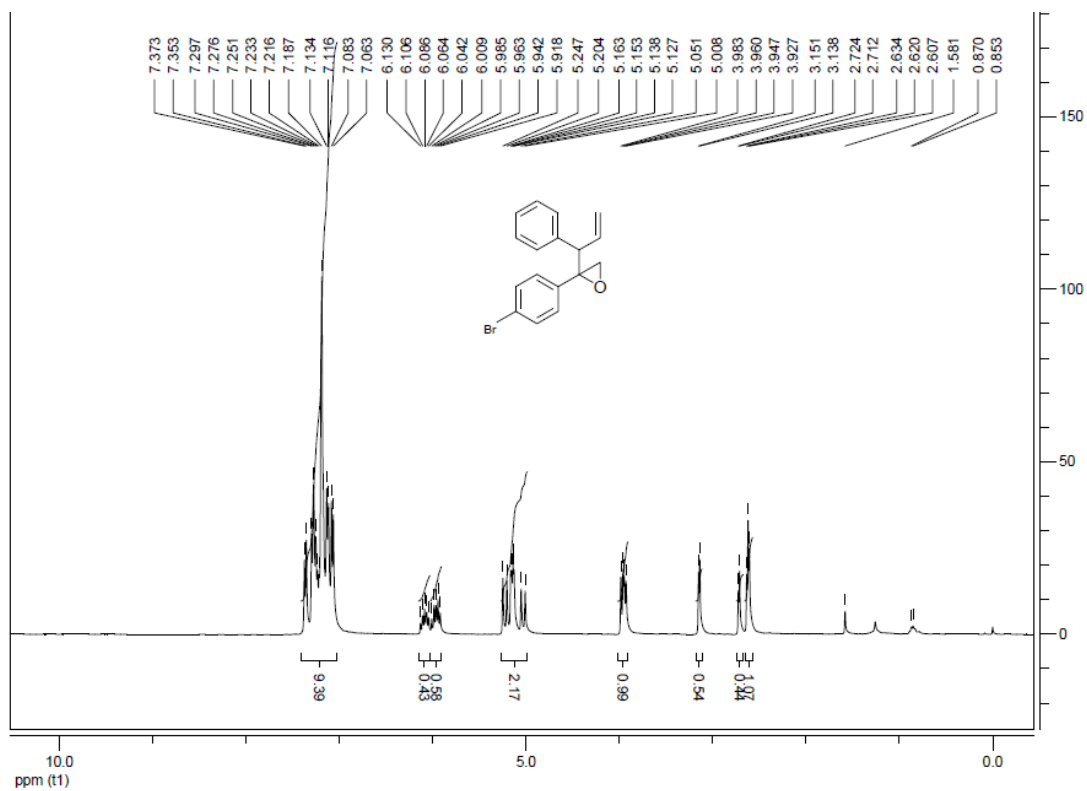
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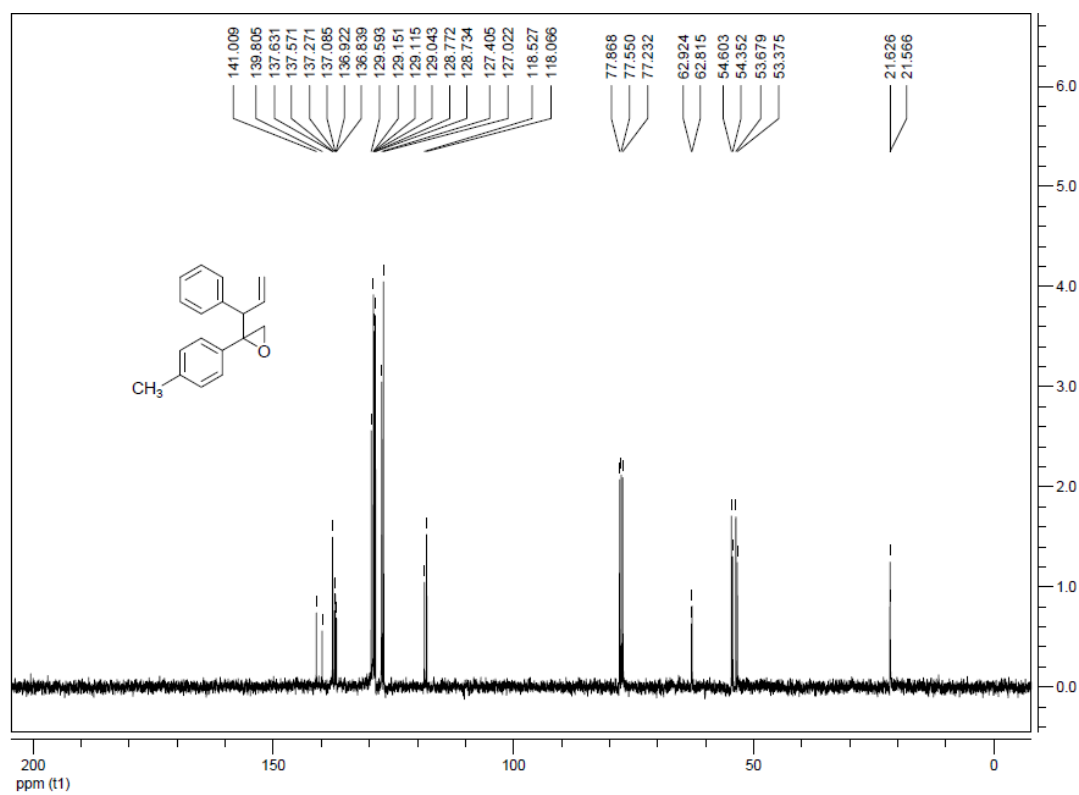
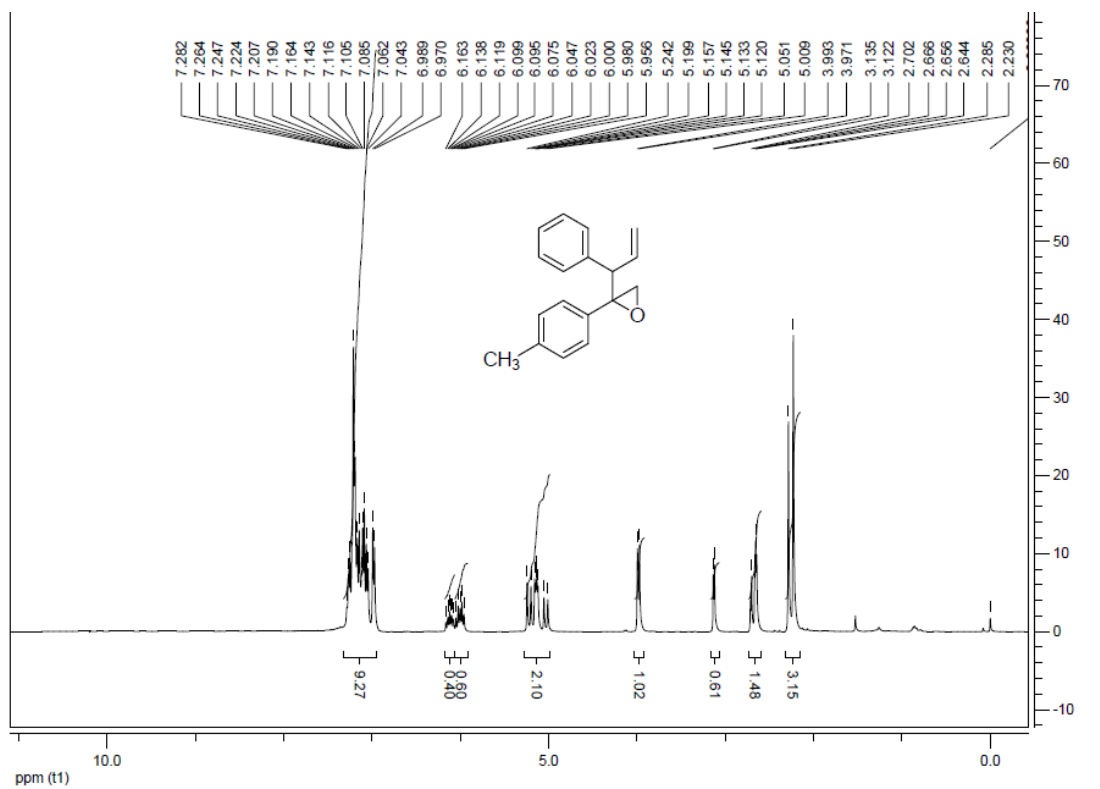
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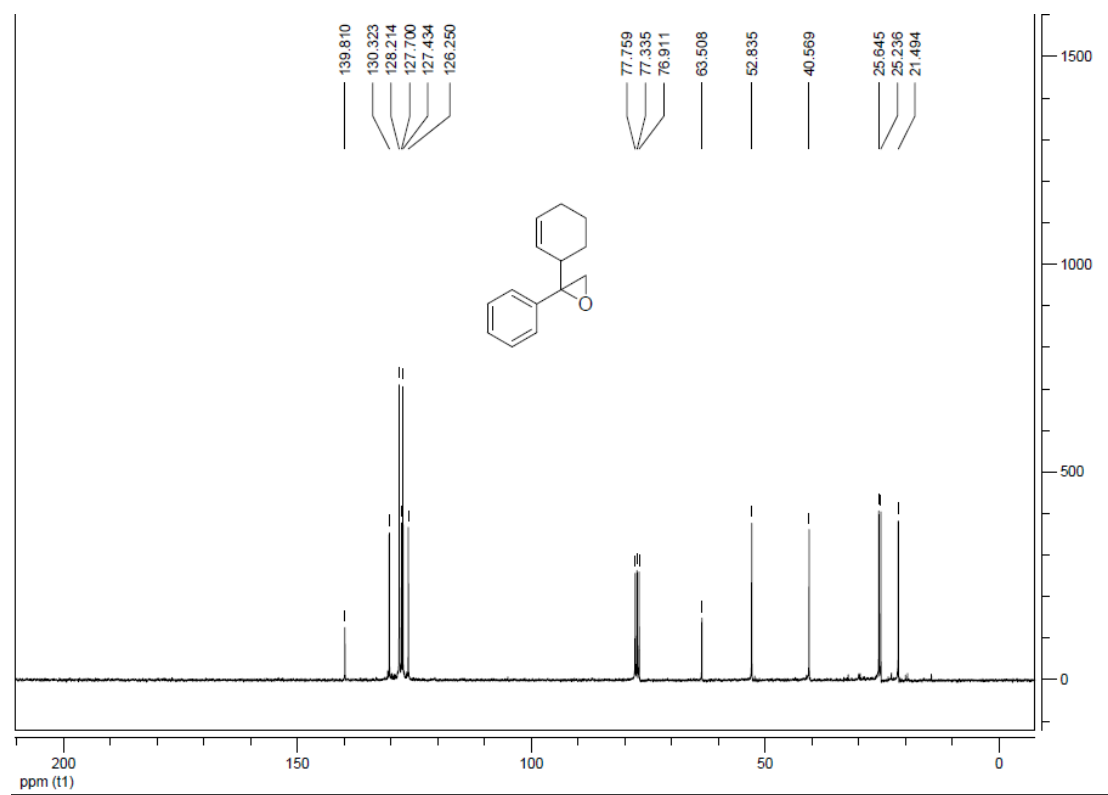
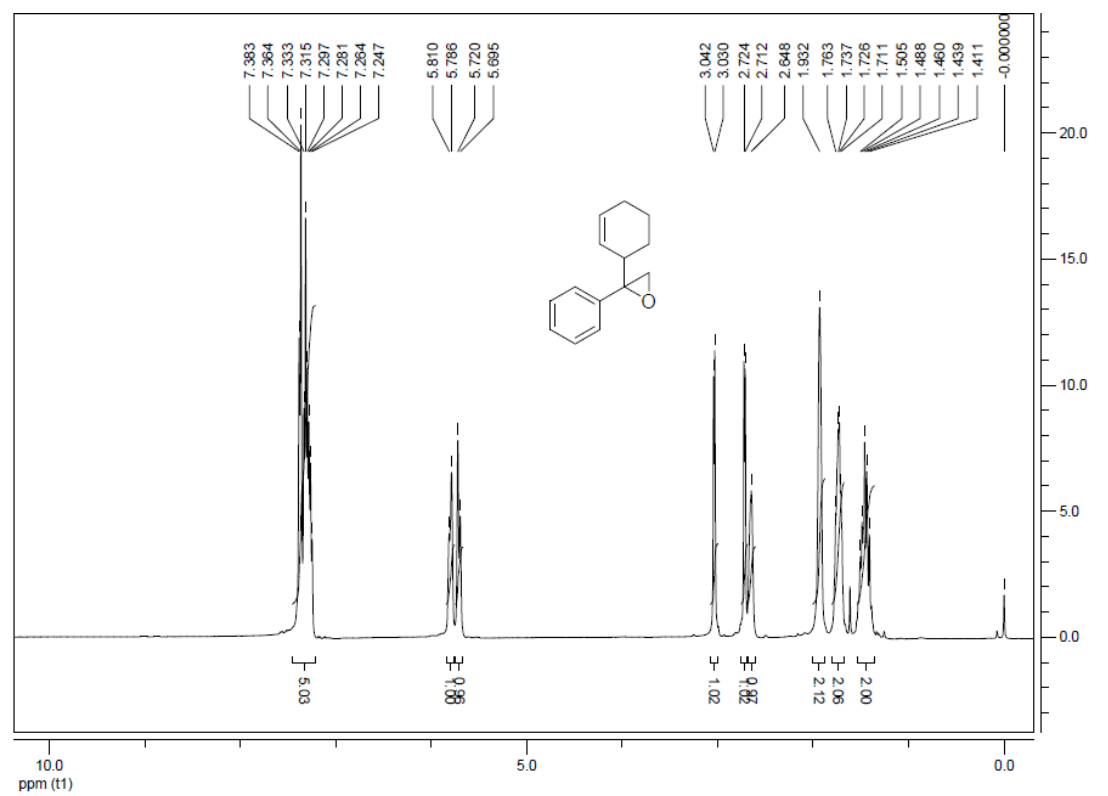
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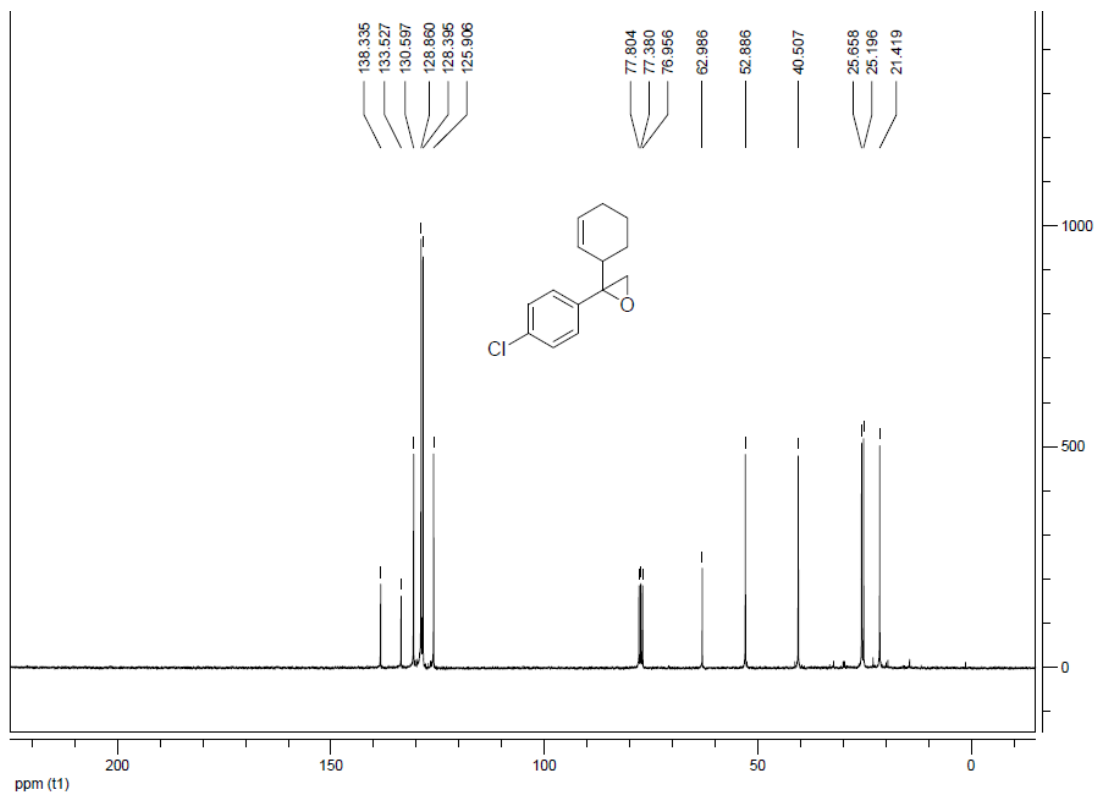
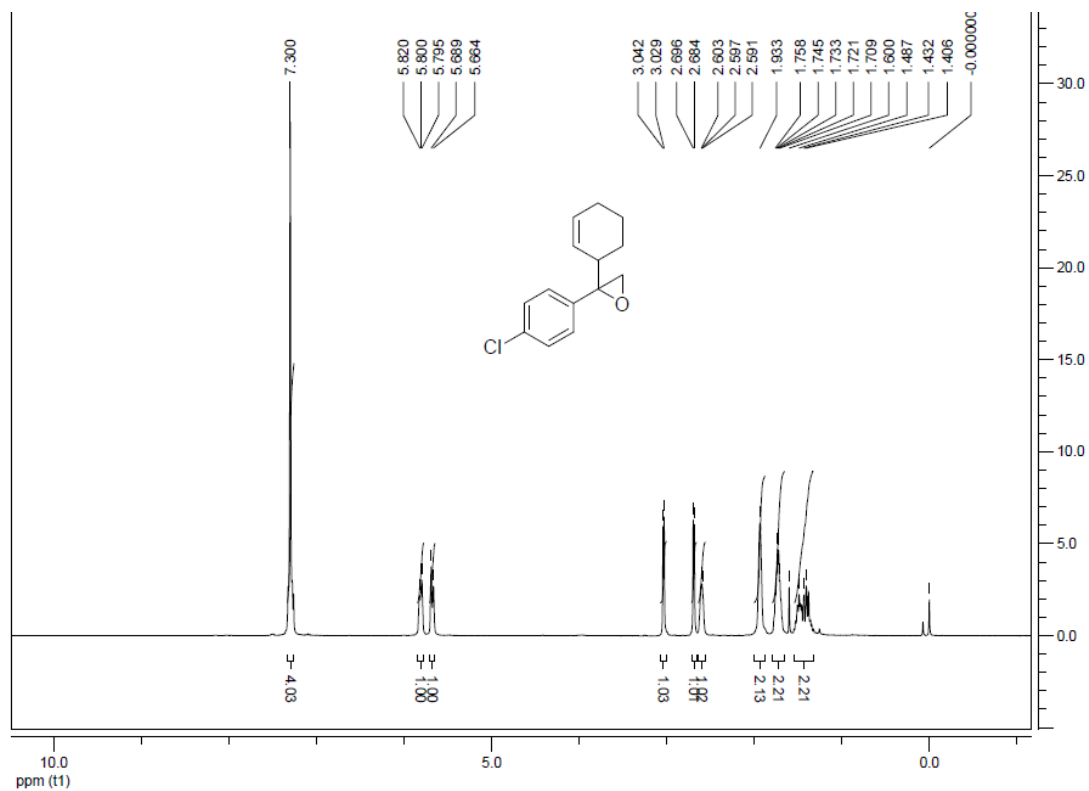
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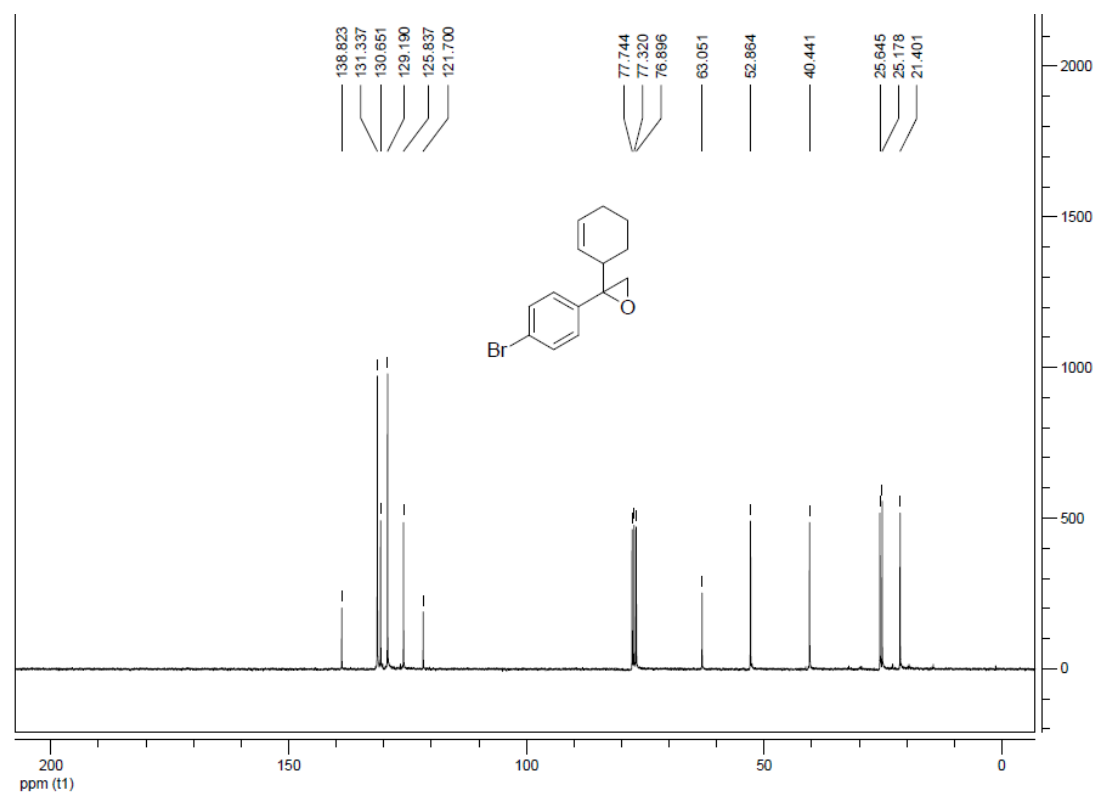
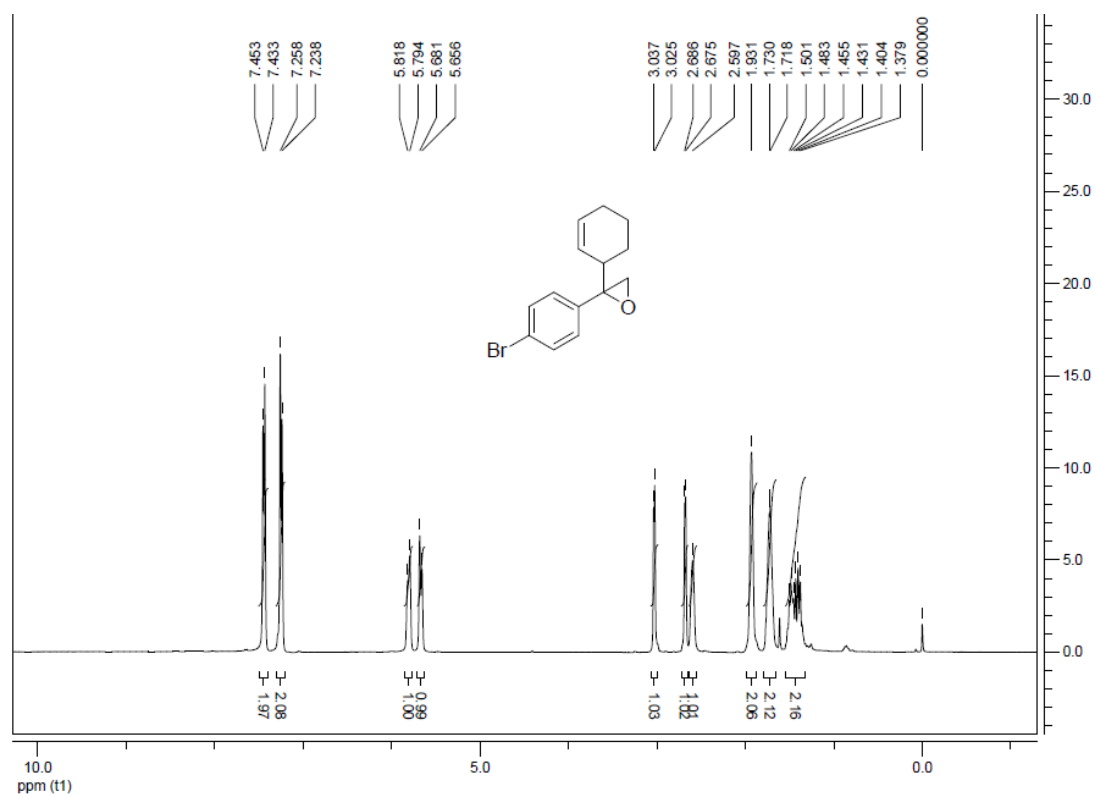
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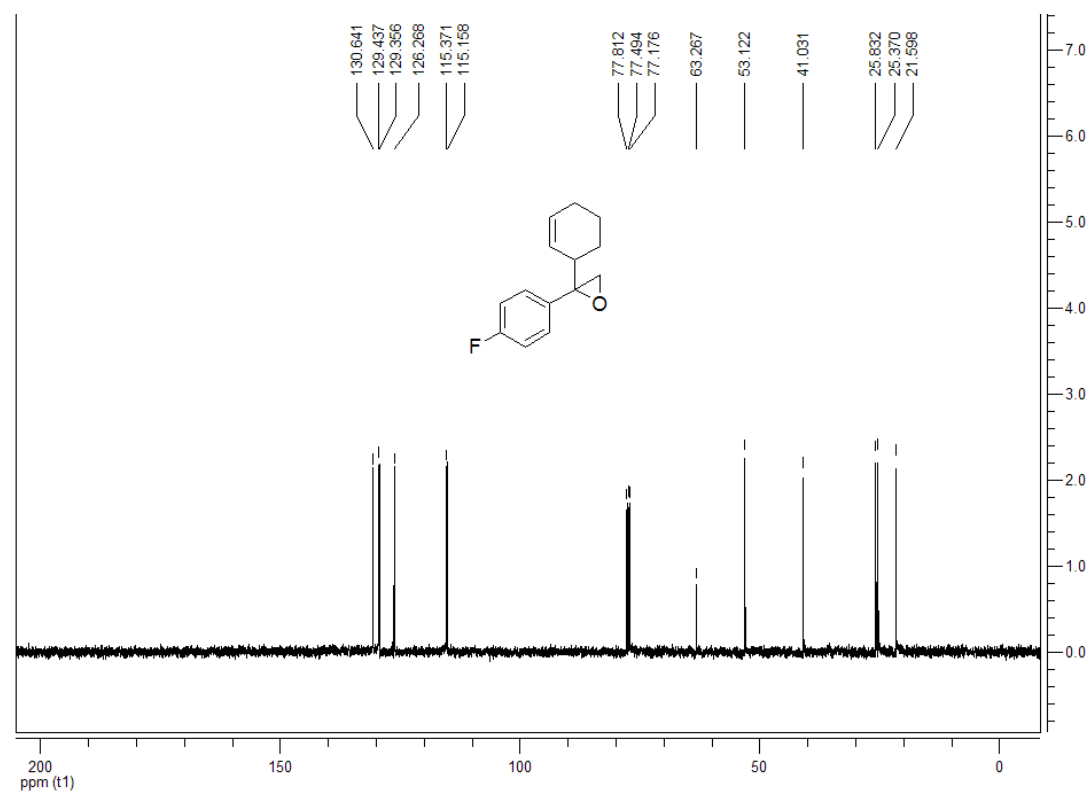
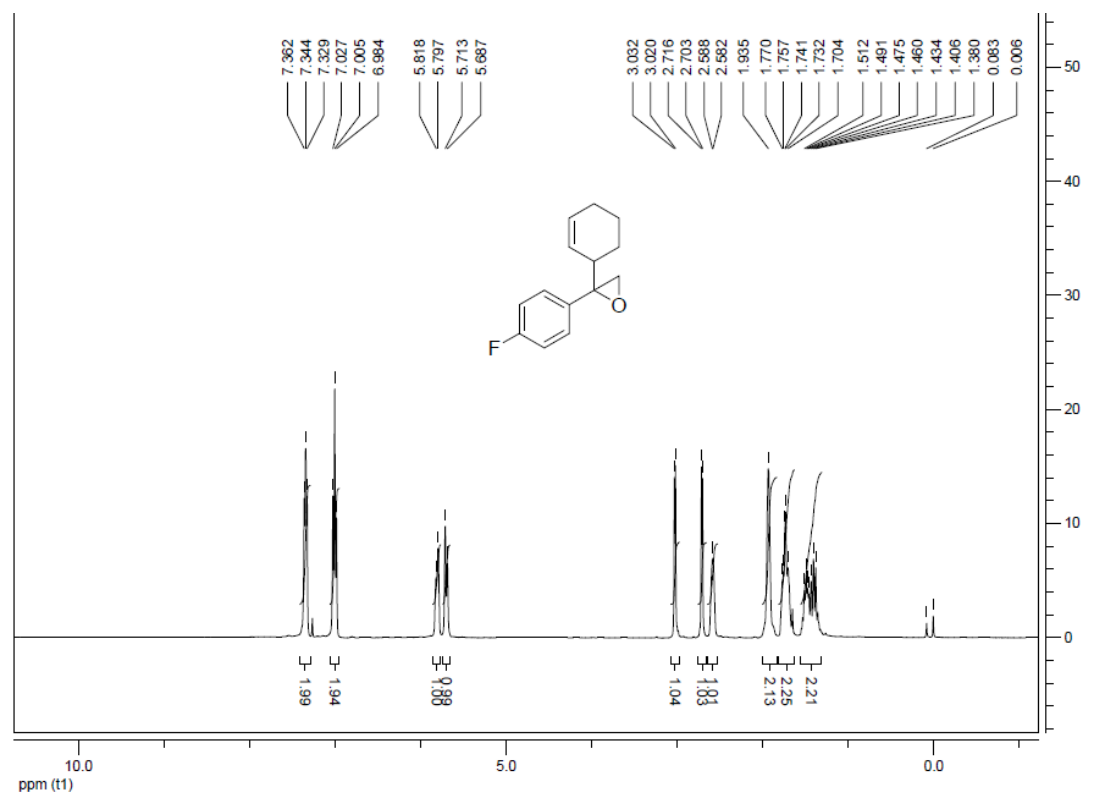
(5ca)



(5cb)

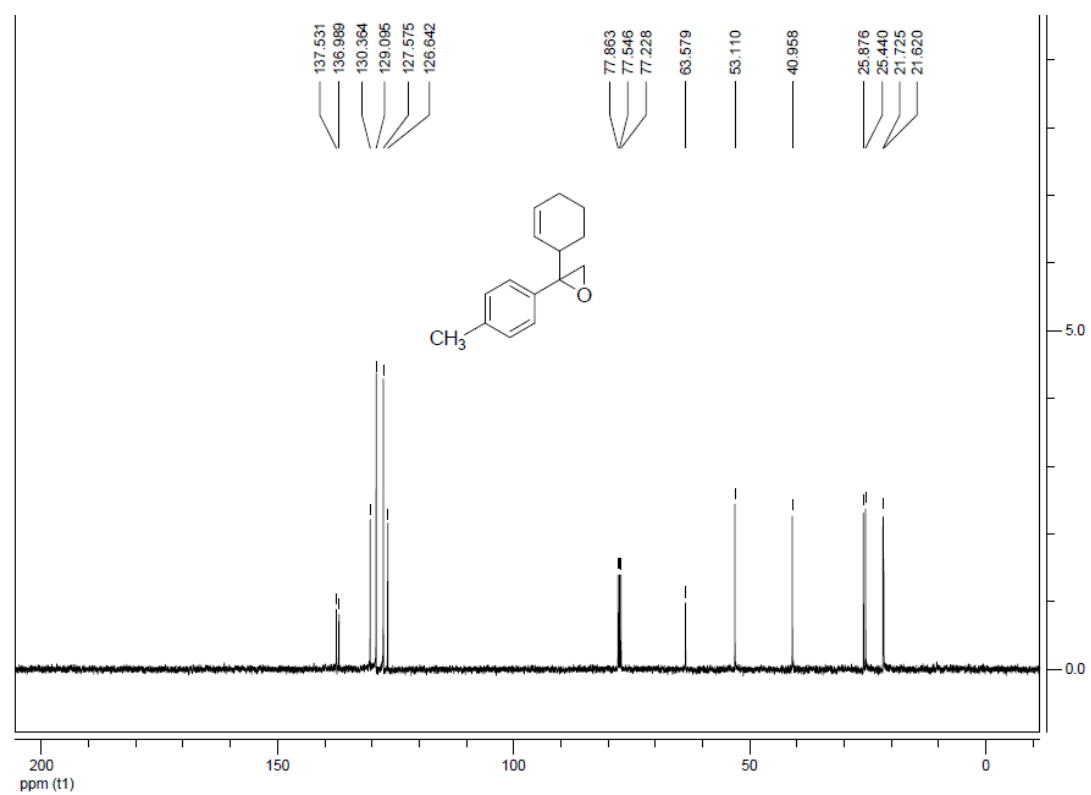
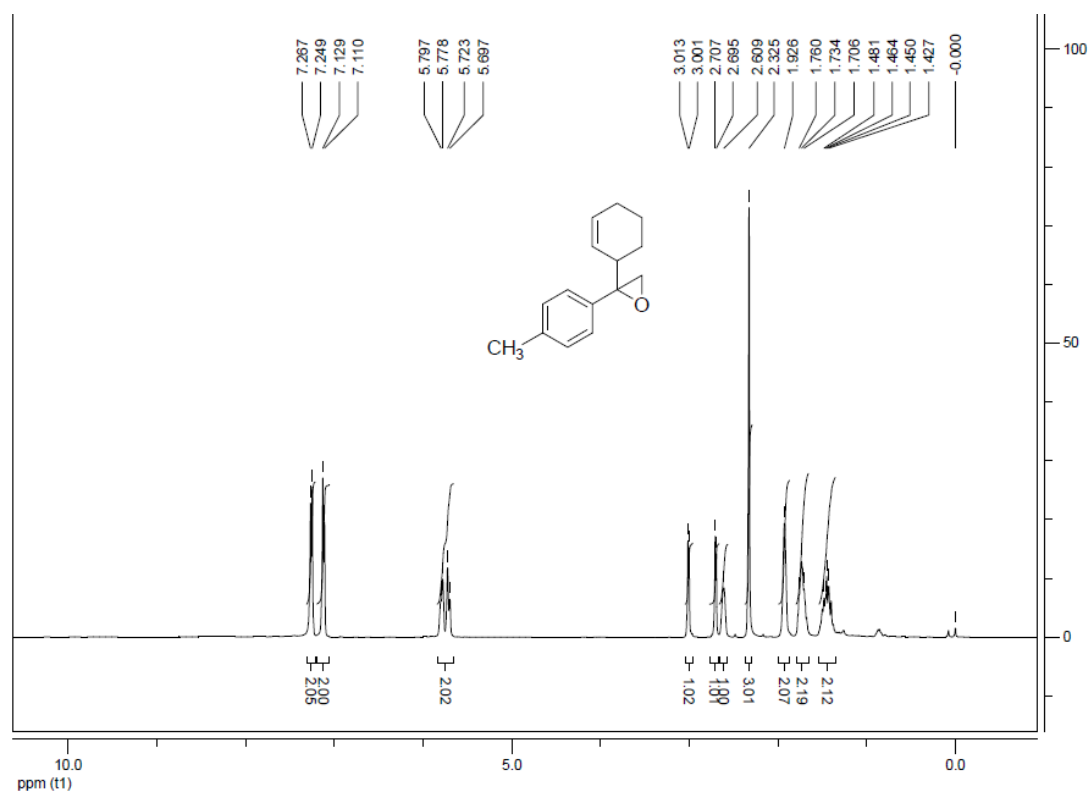


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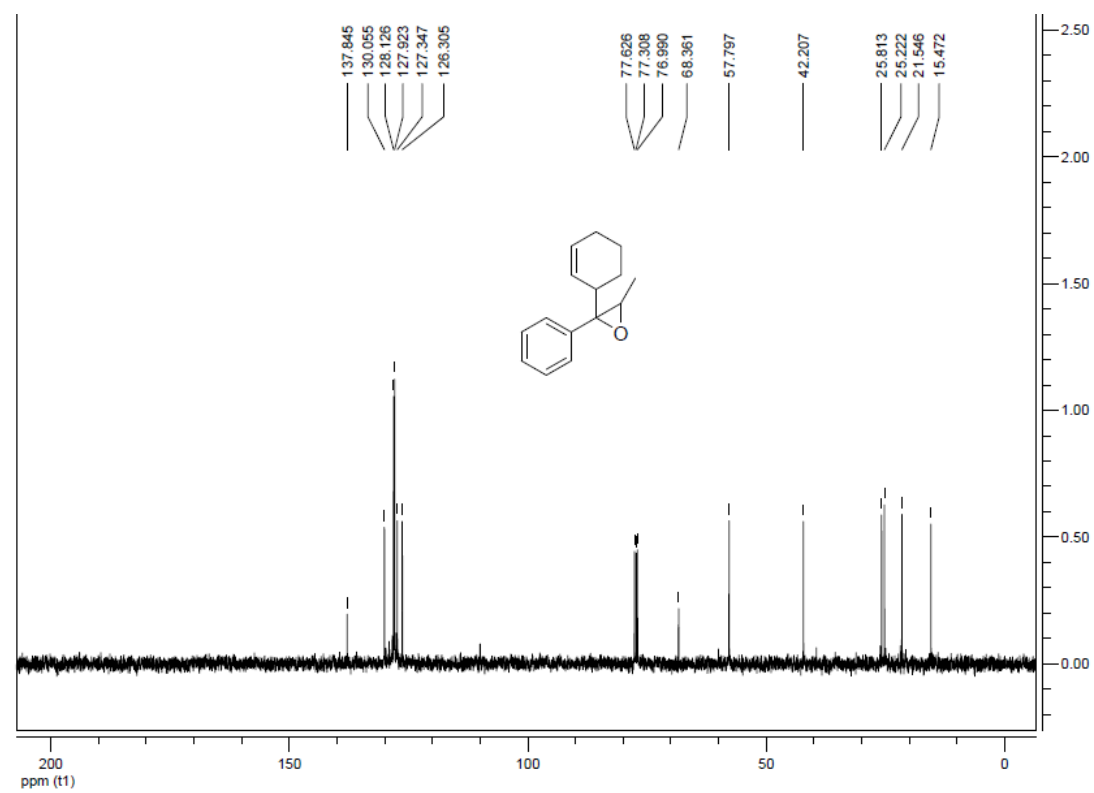
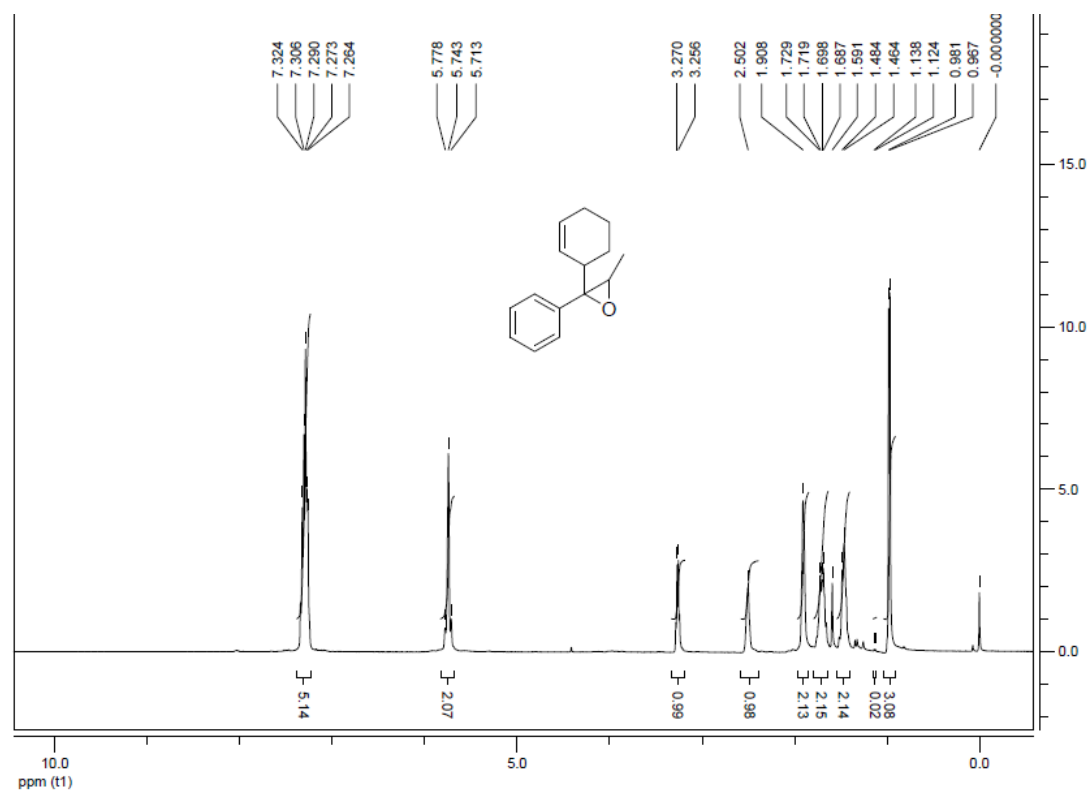




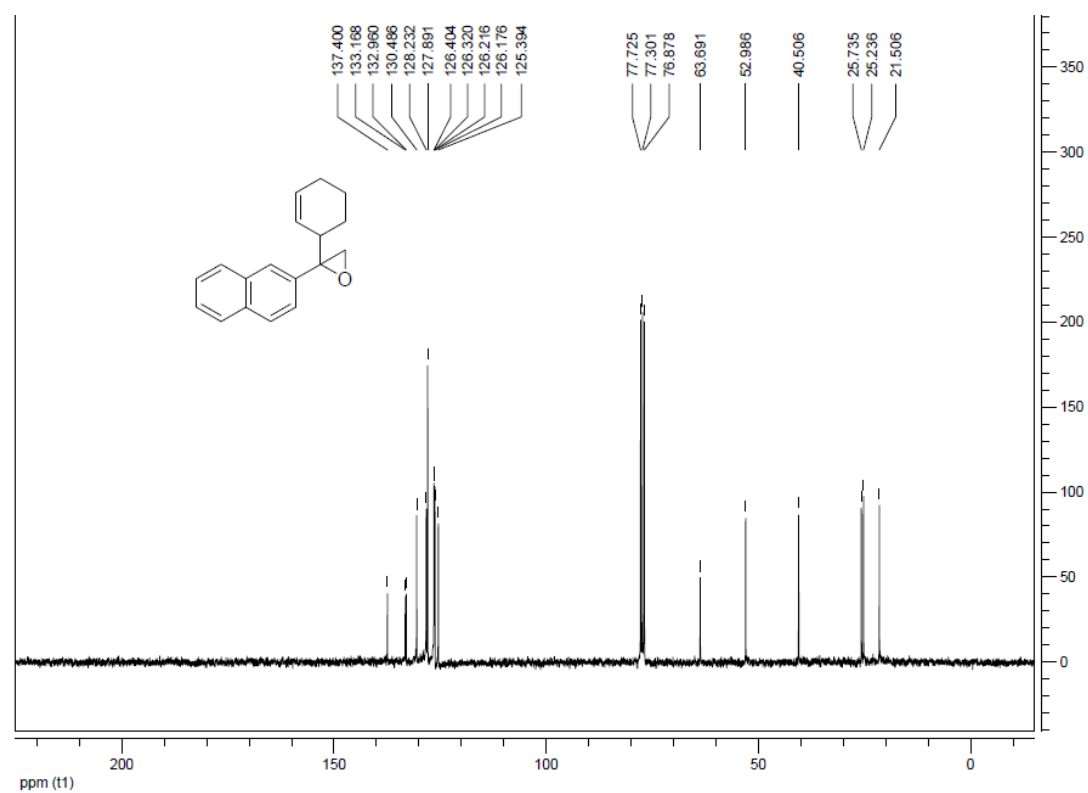
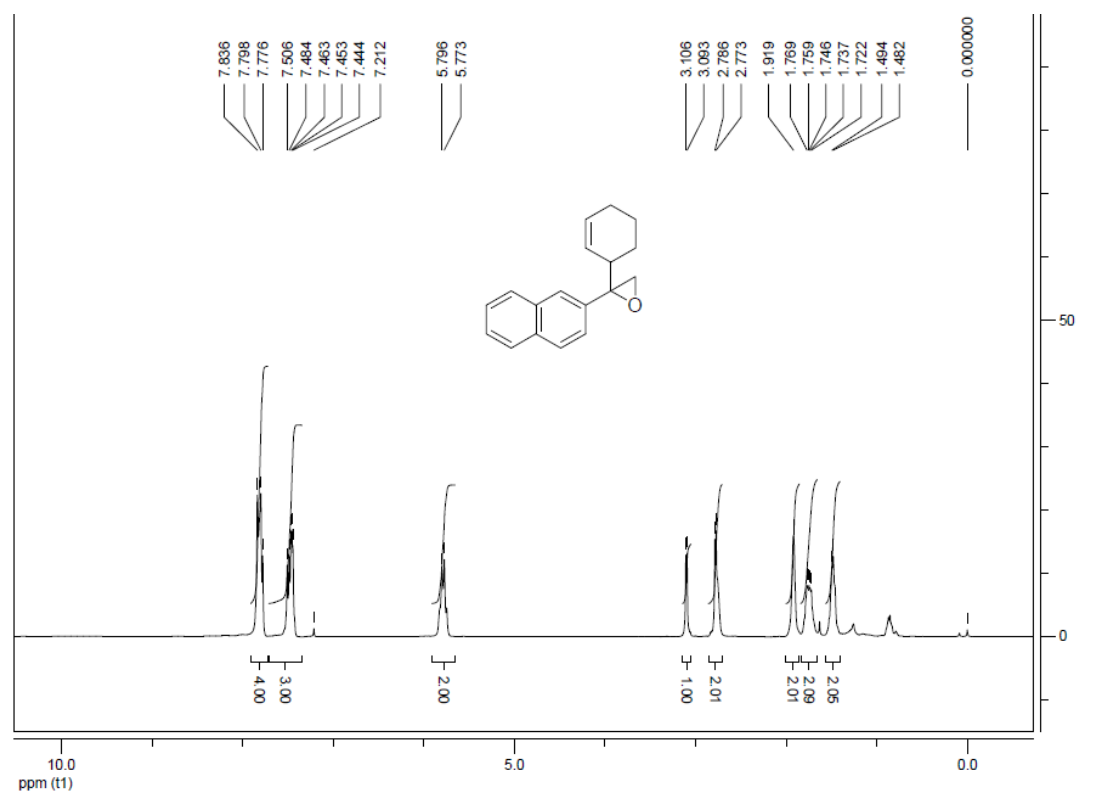
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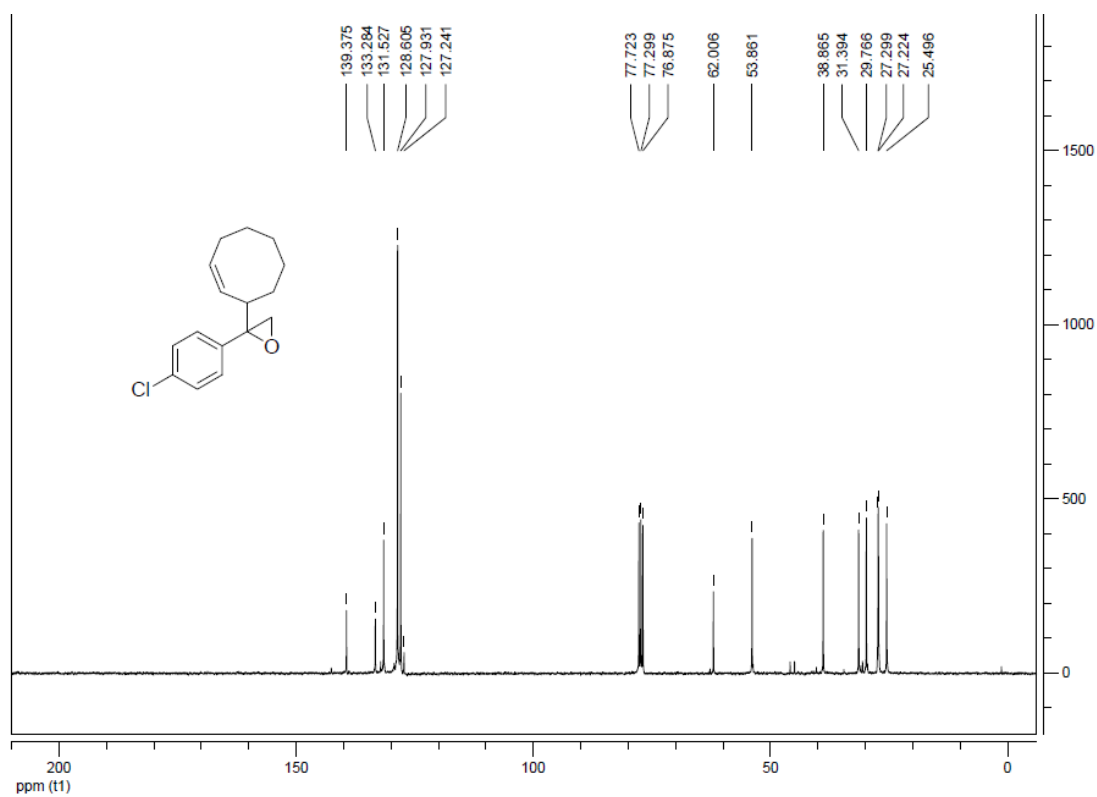
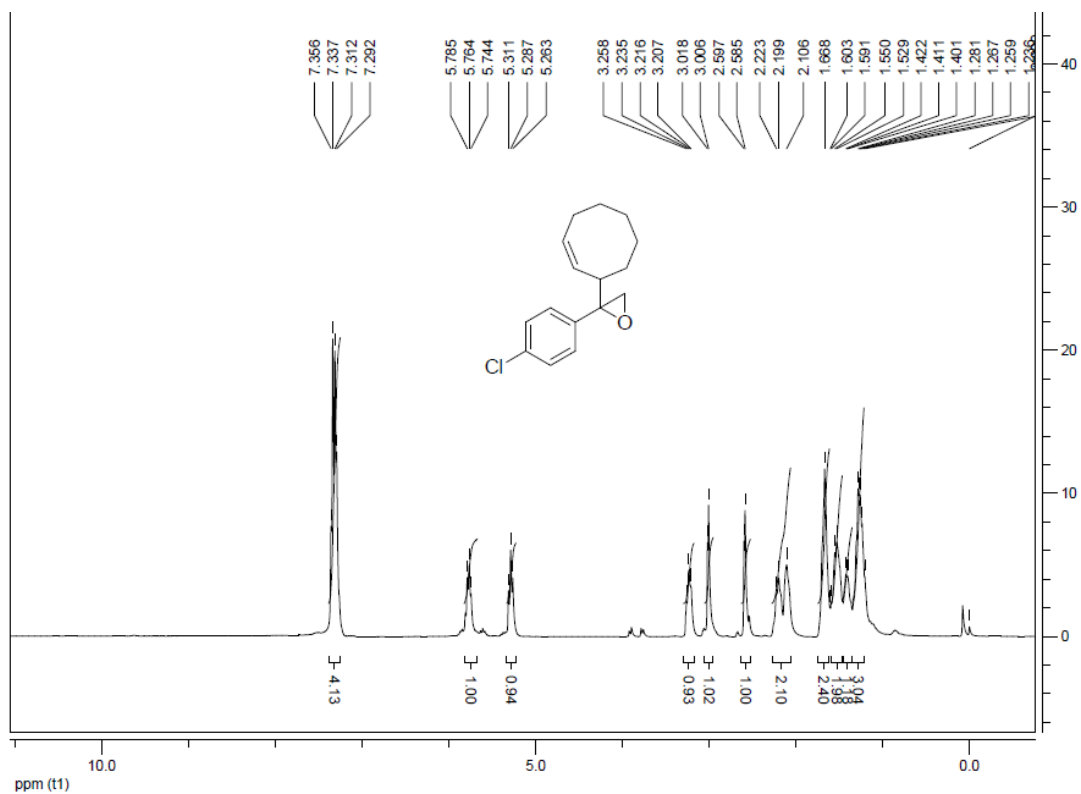


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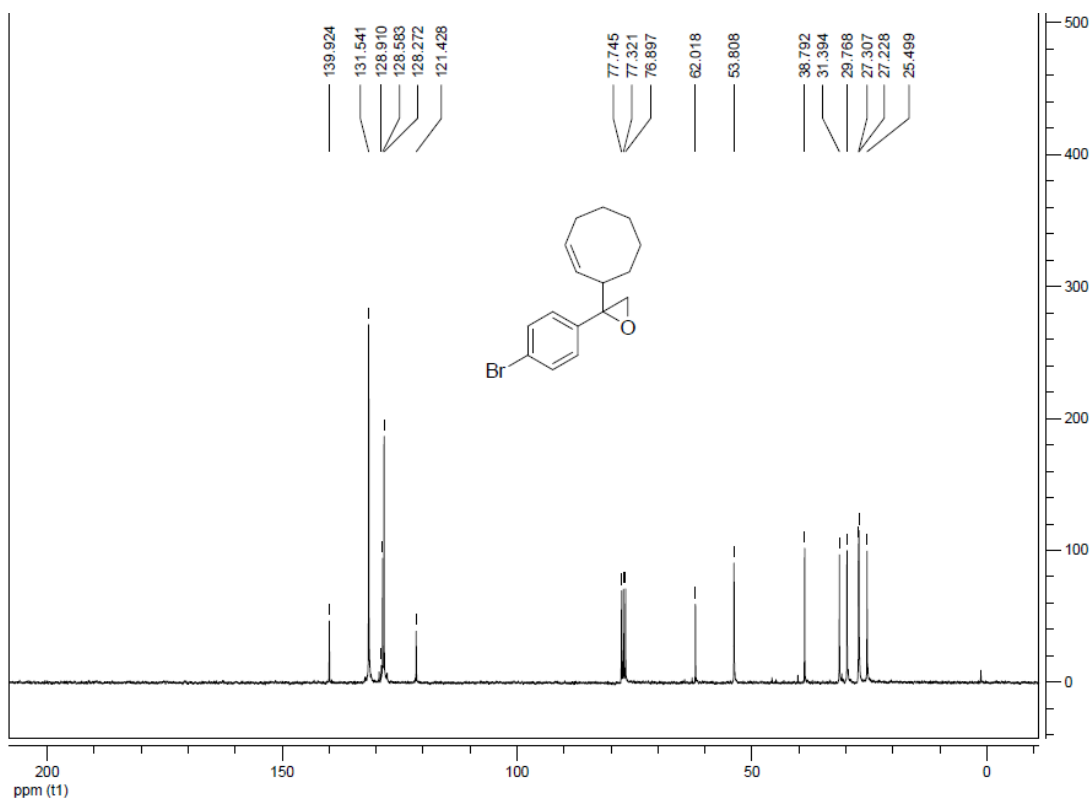
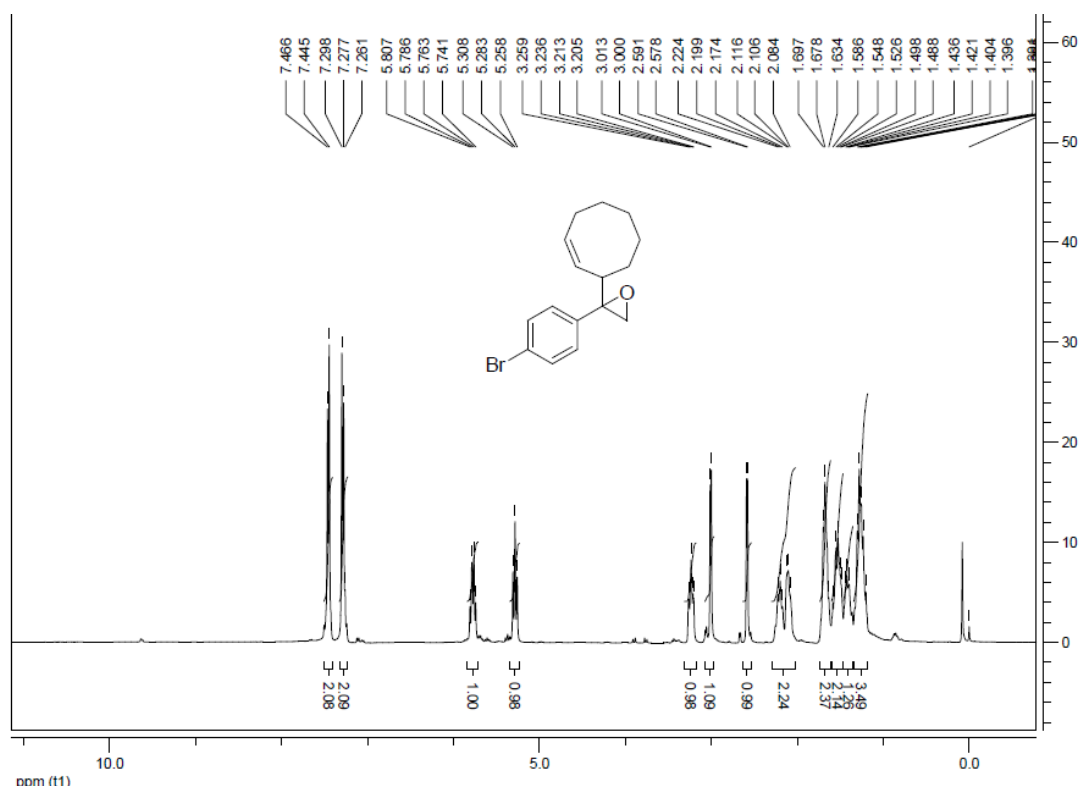




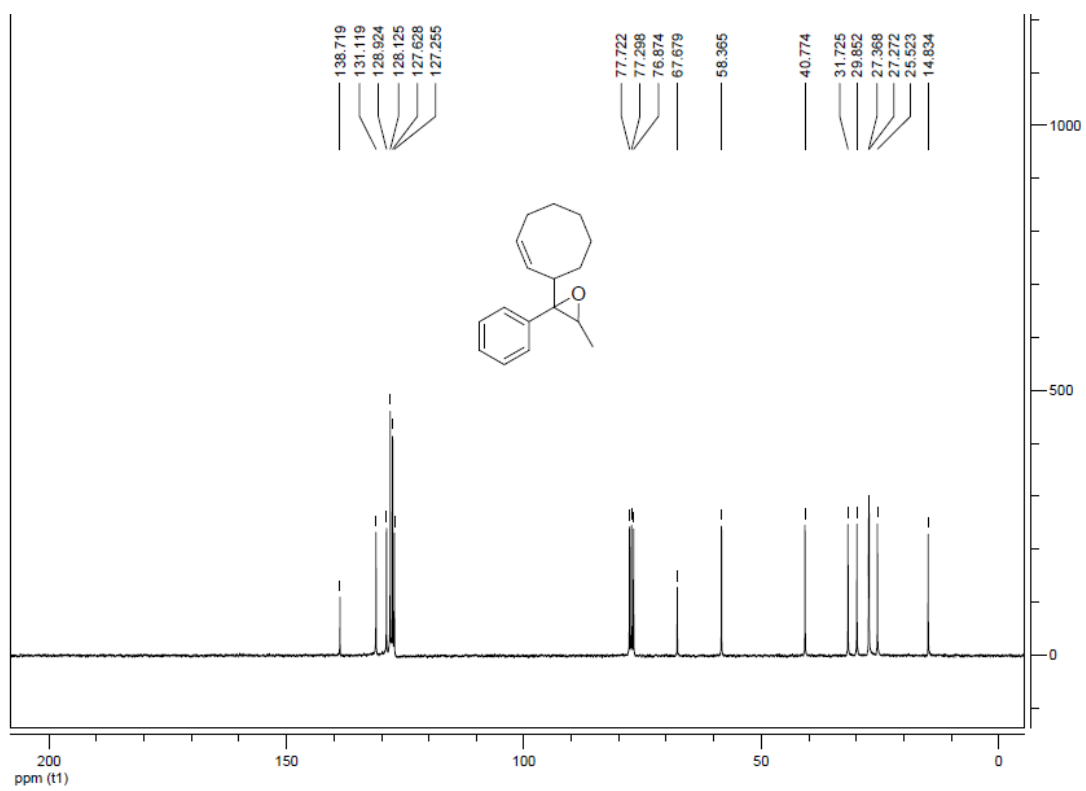
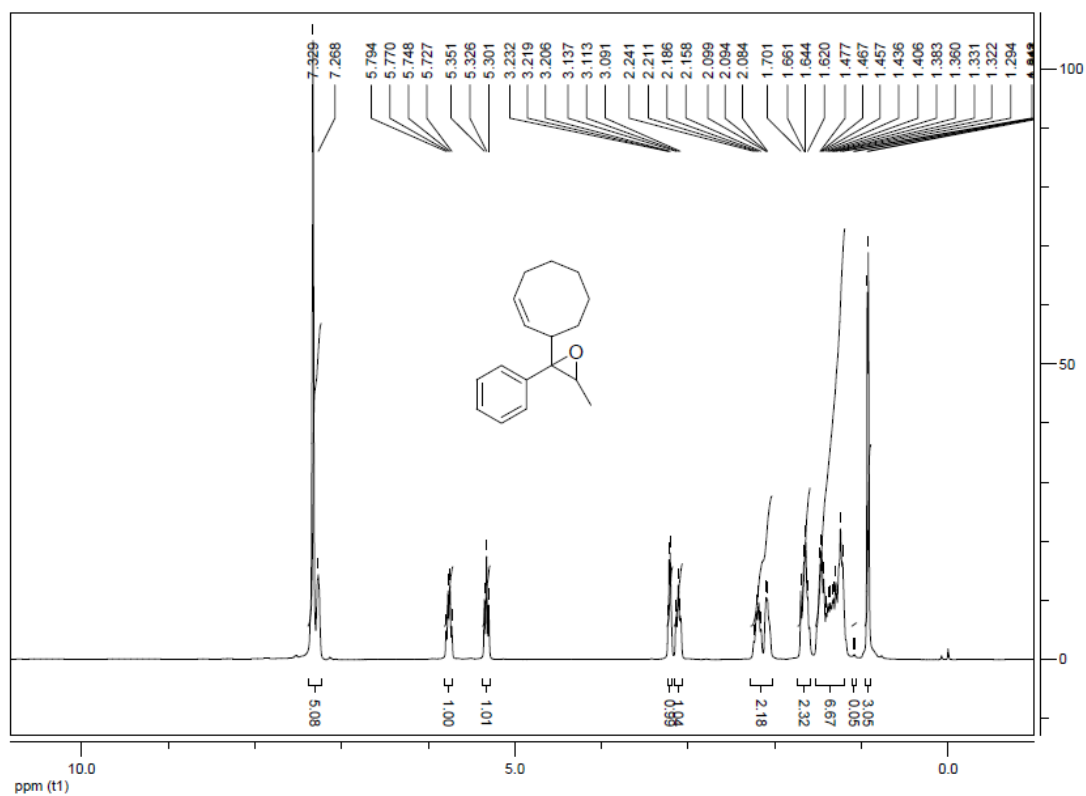
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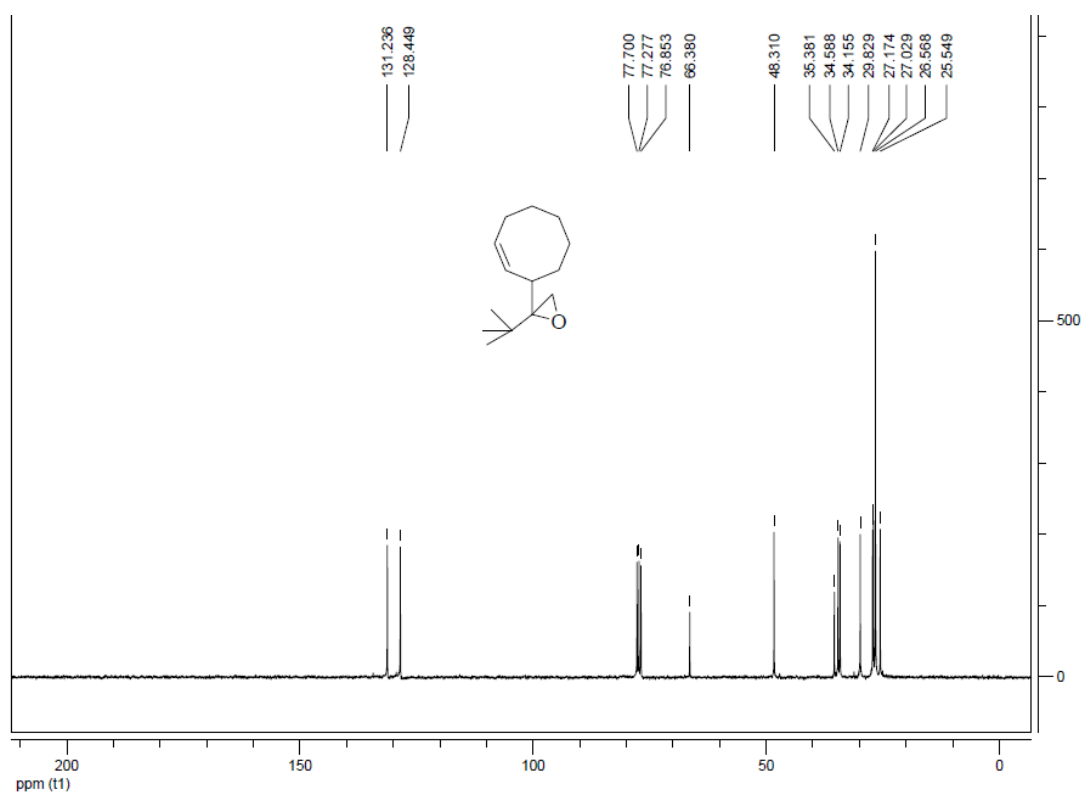
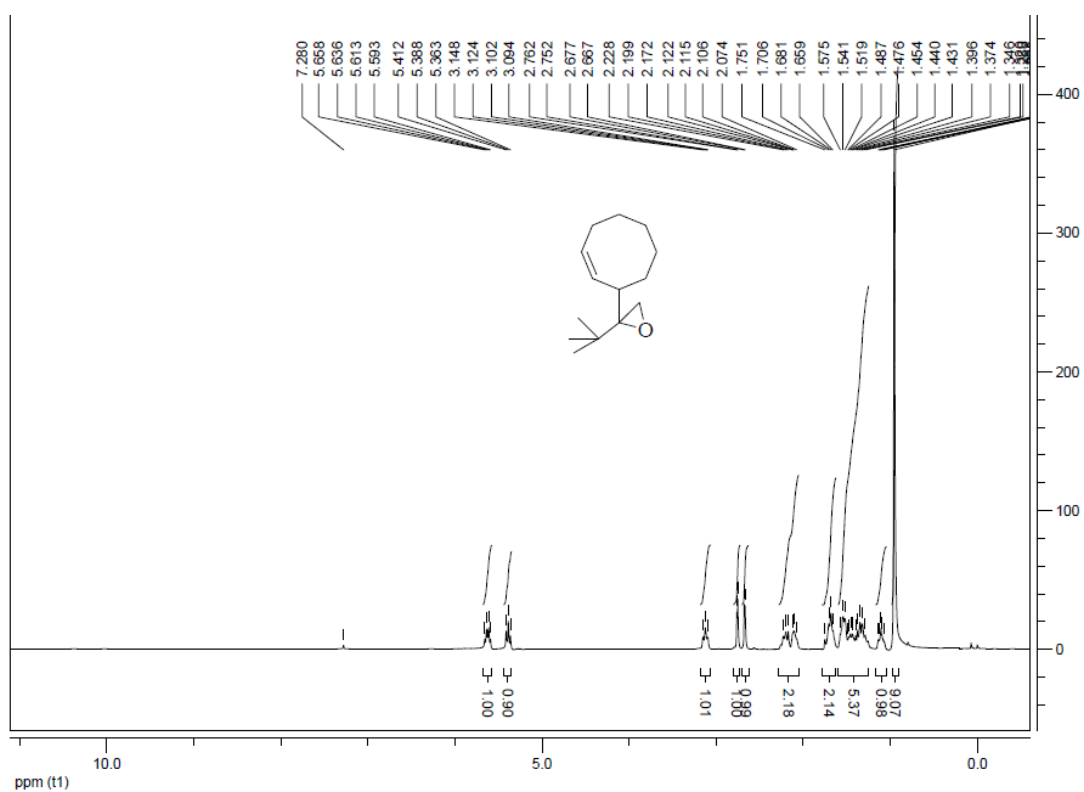
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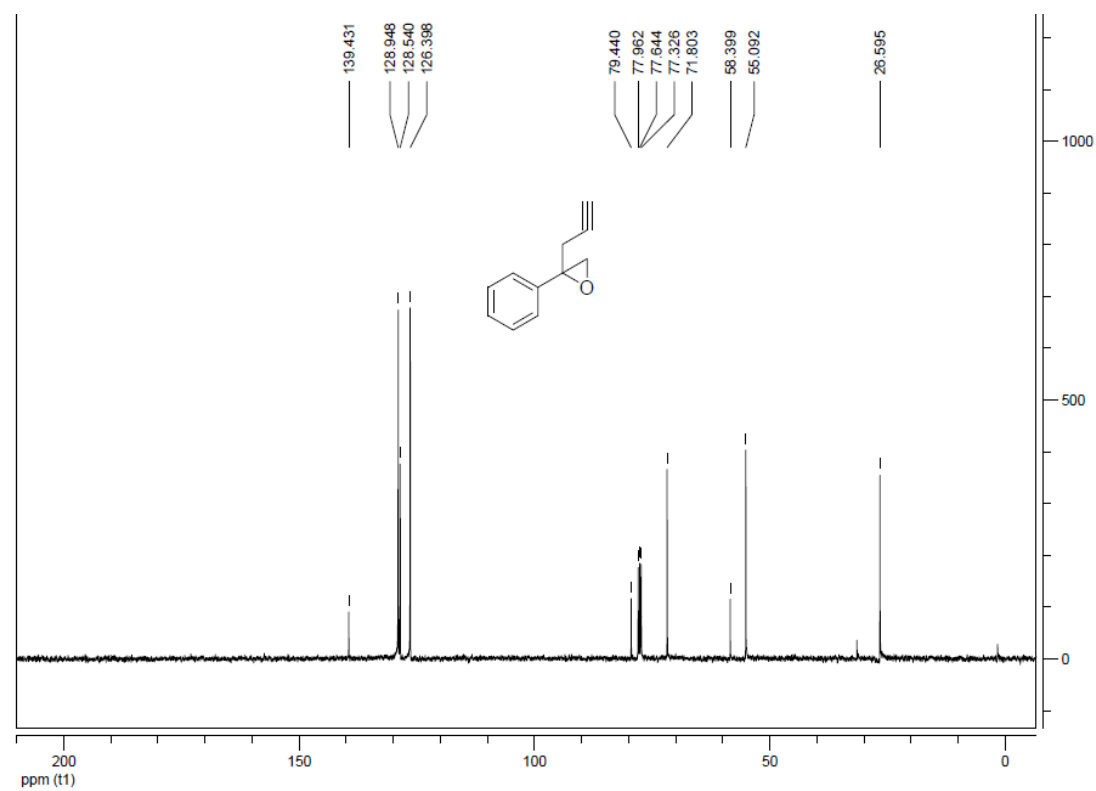
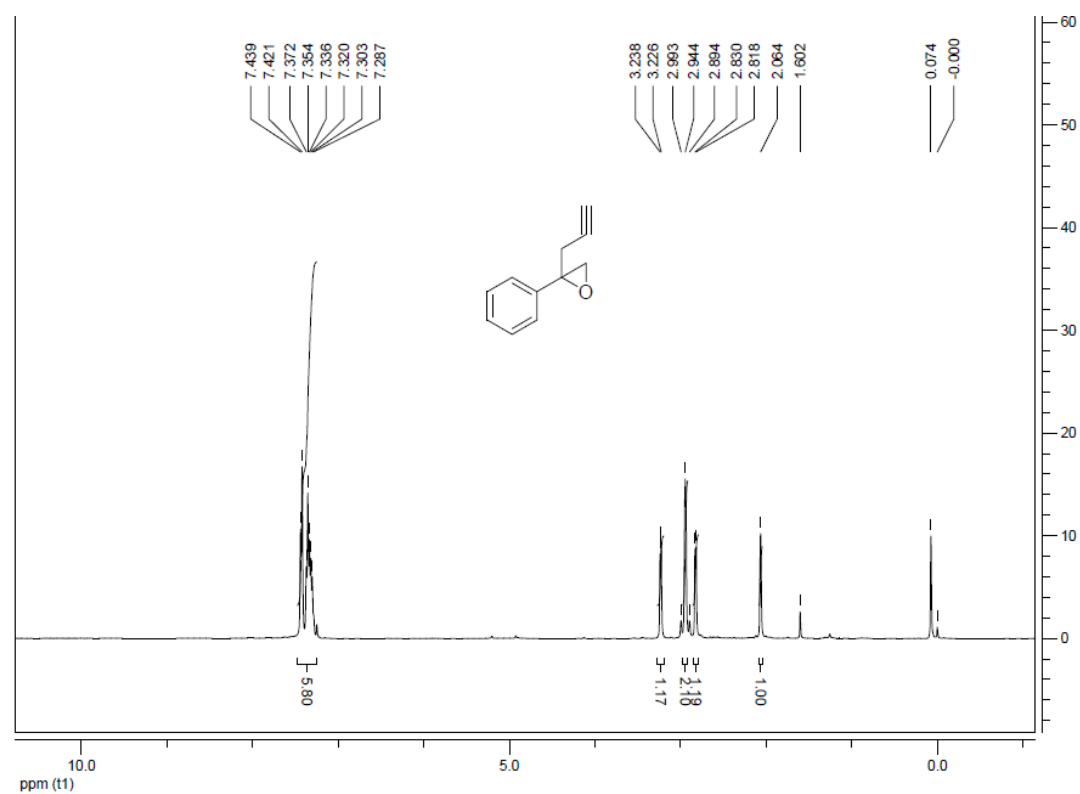


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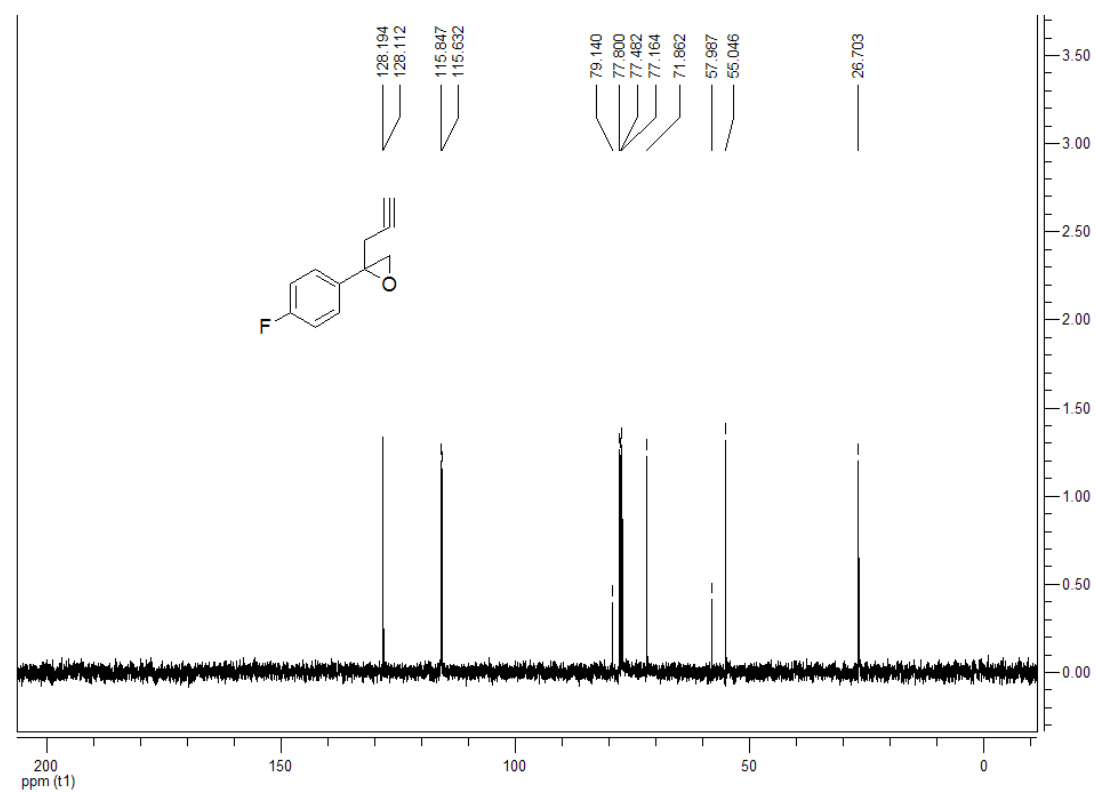
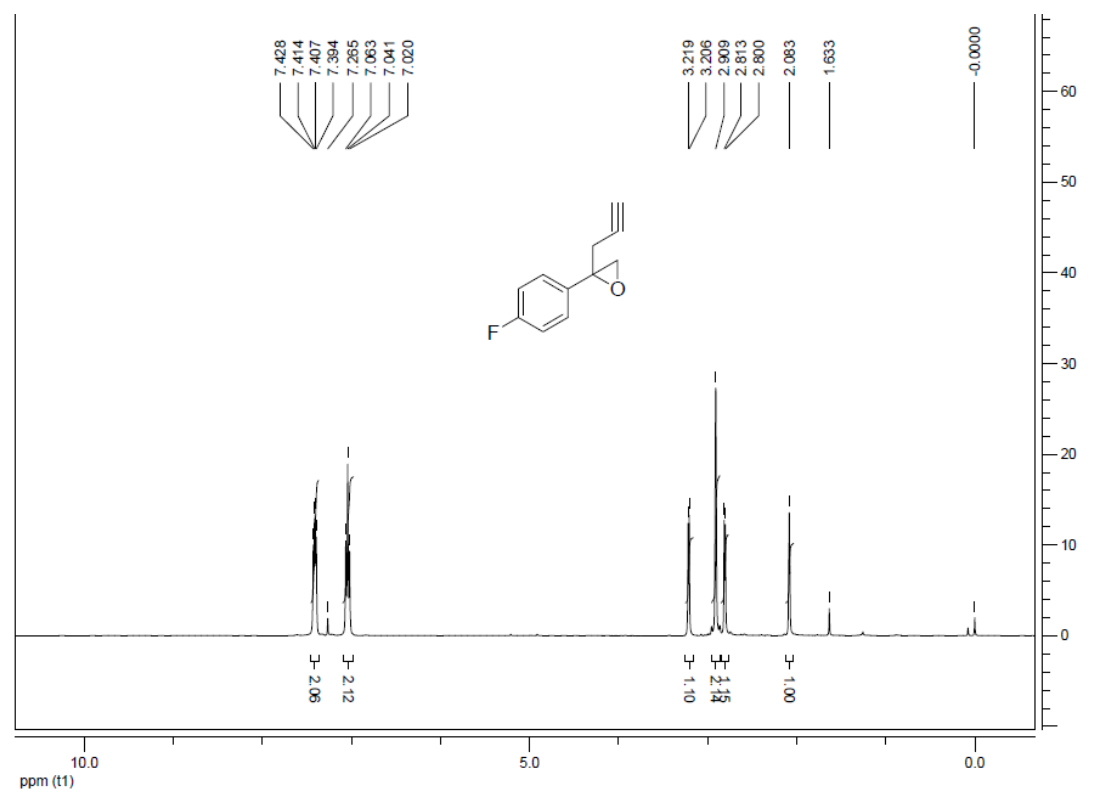




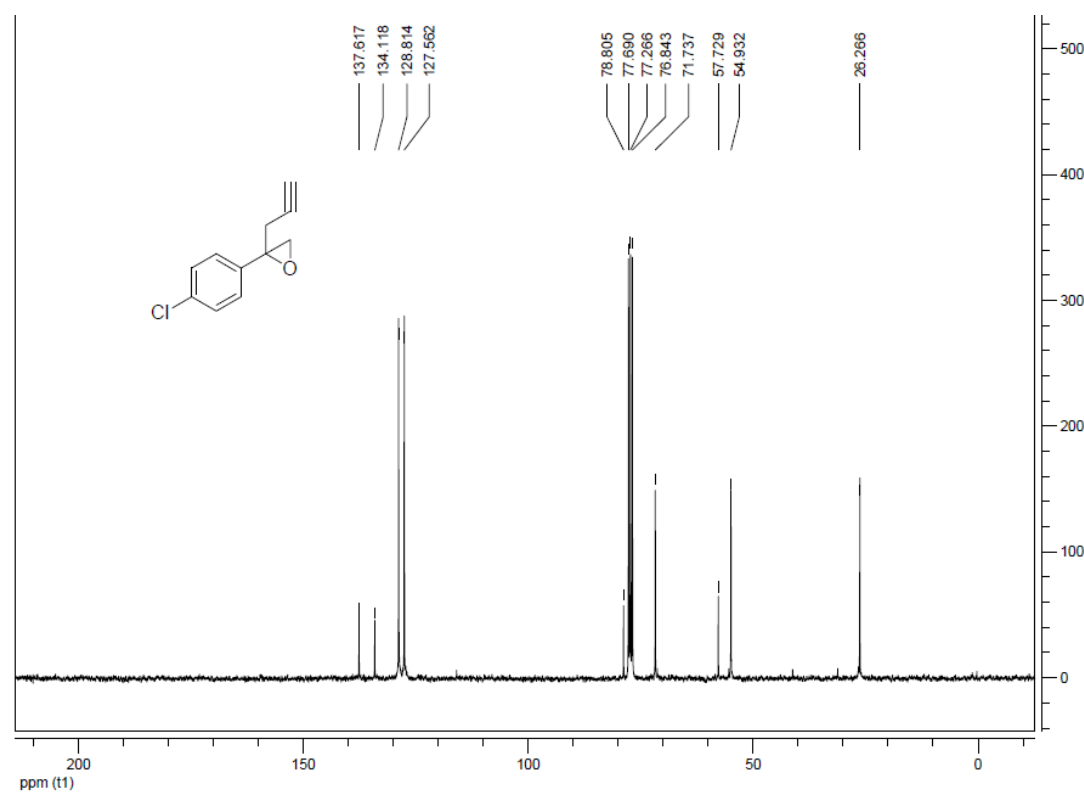
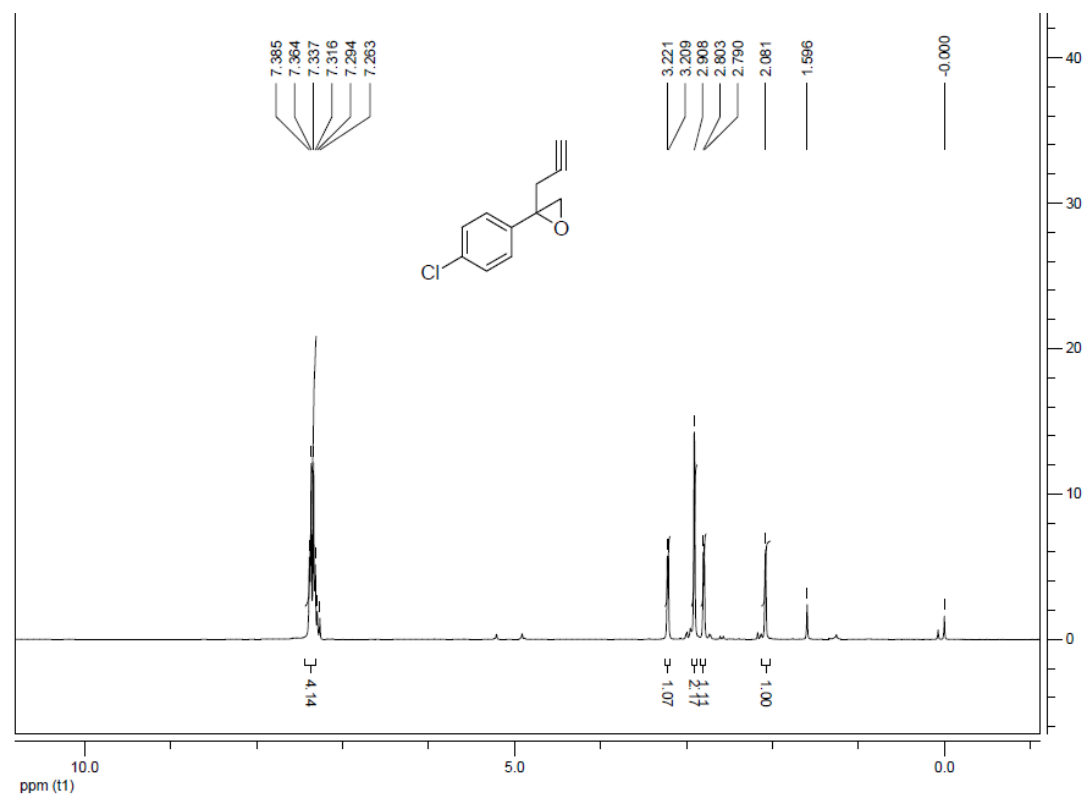
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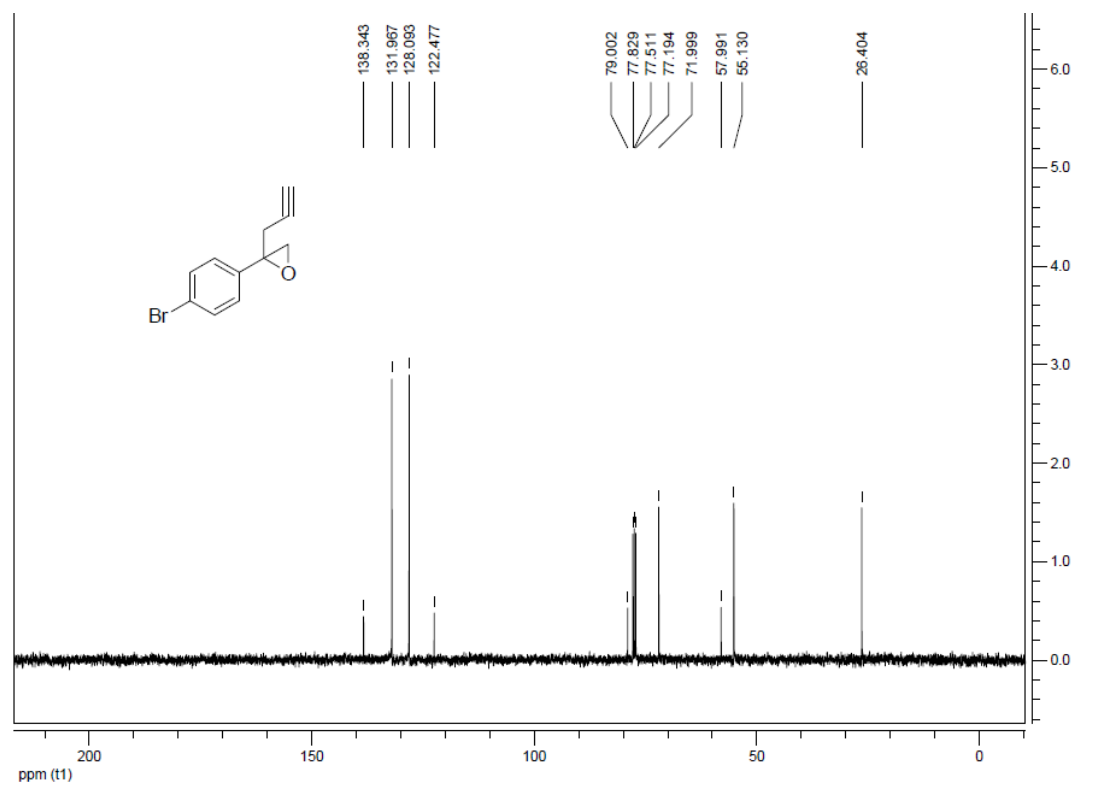
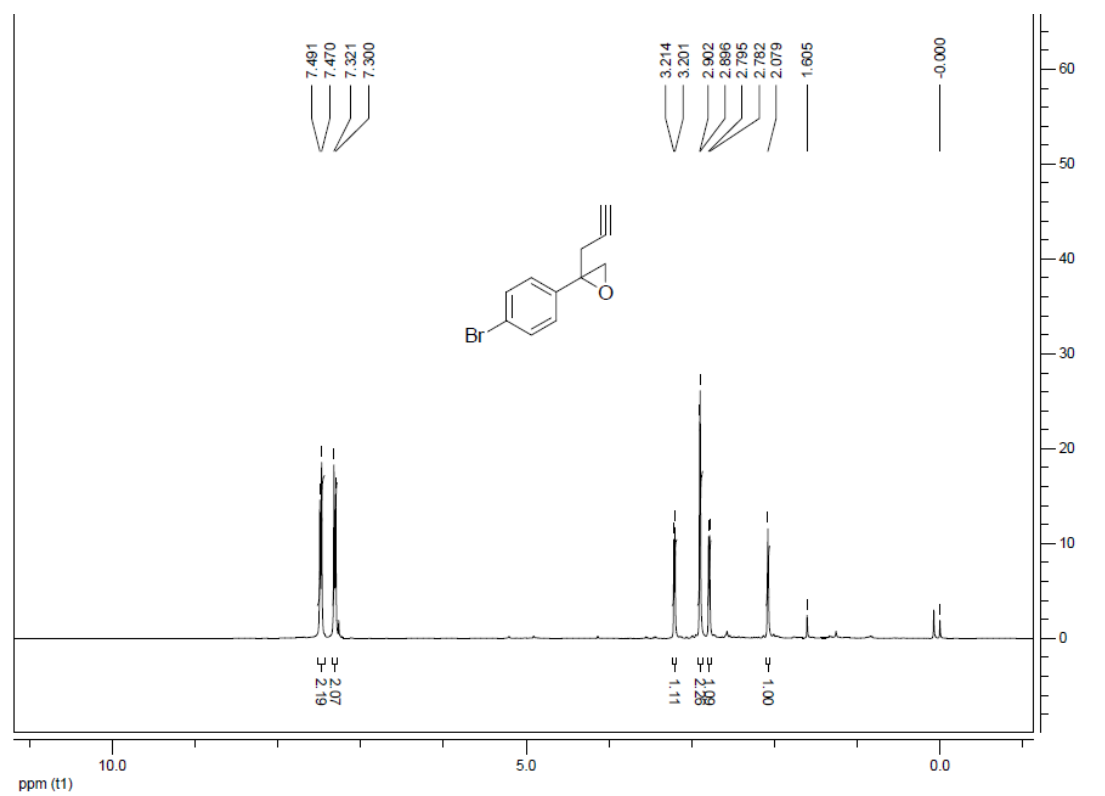
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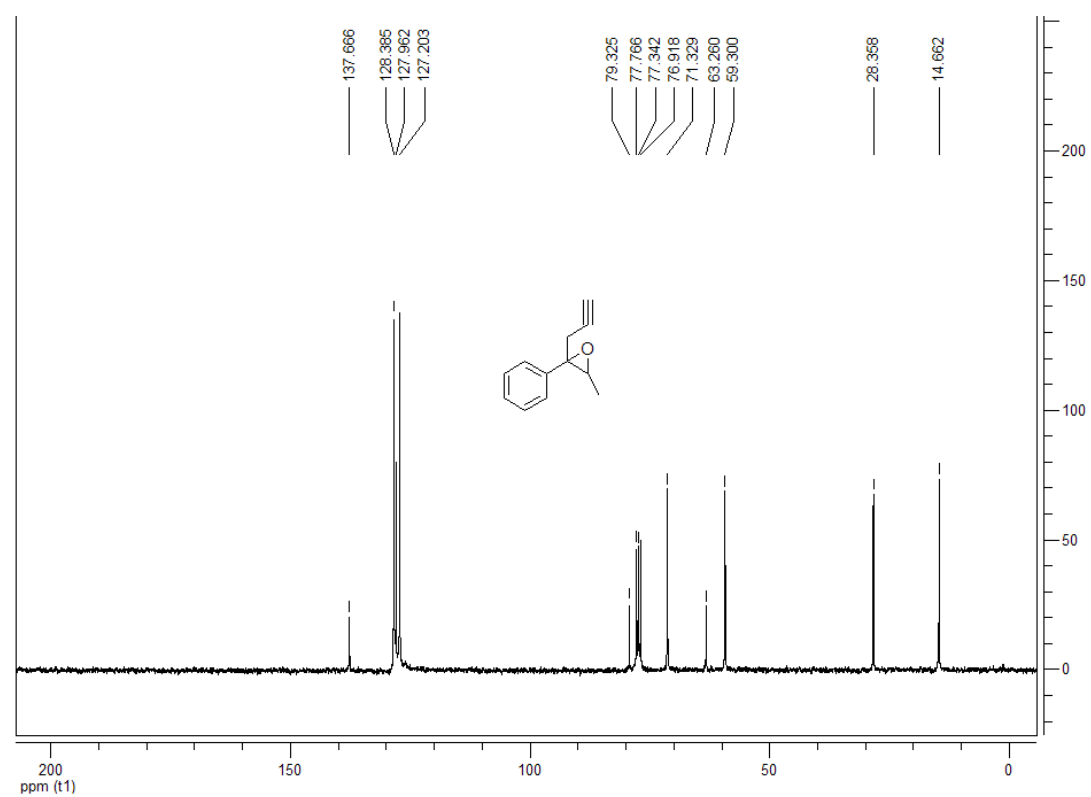
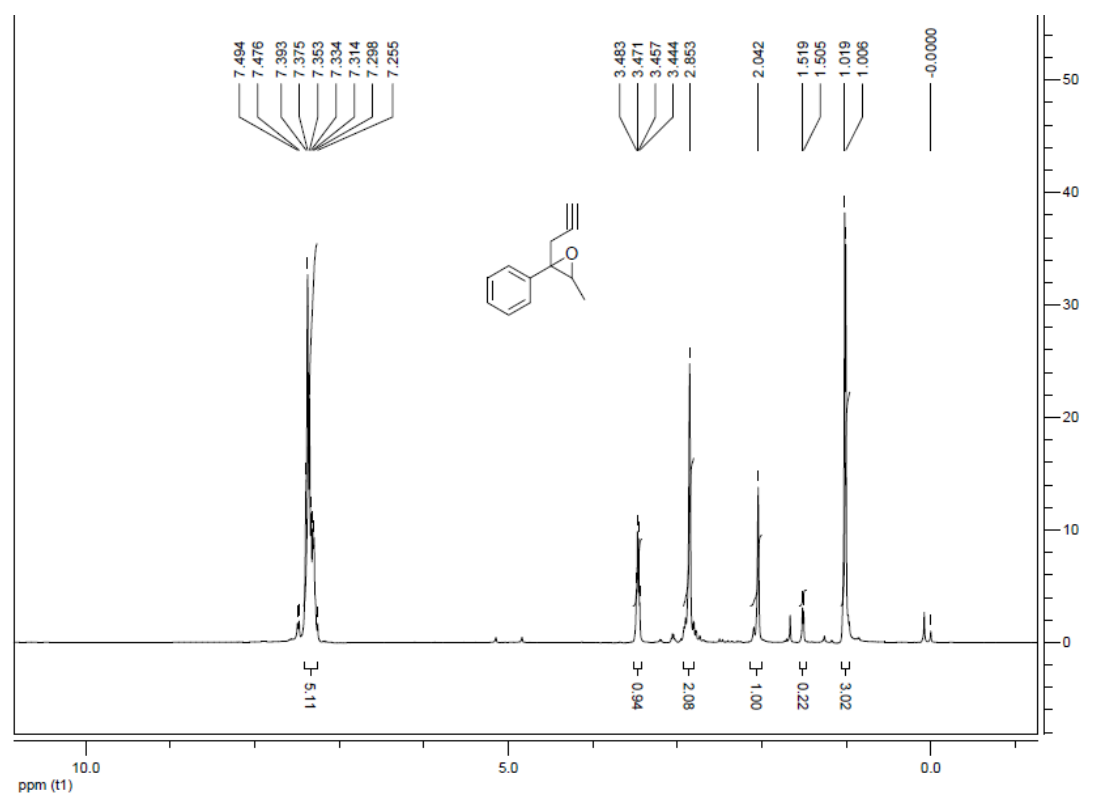
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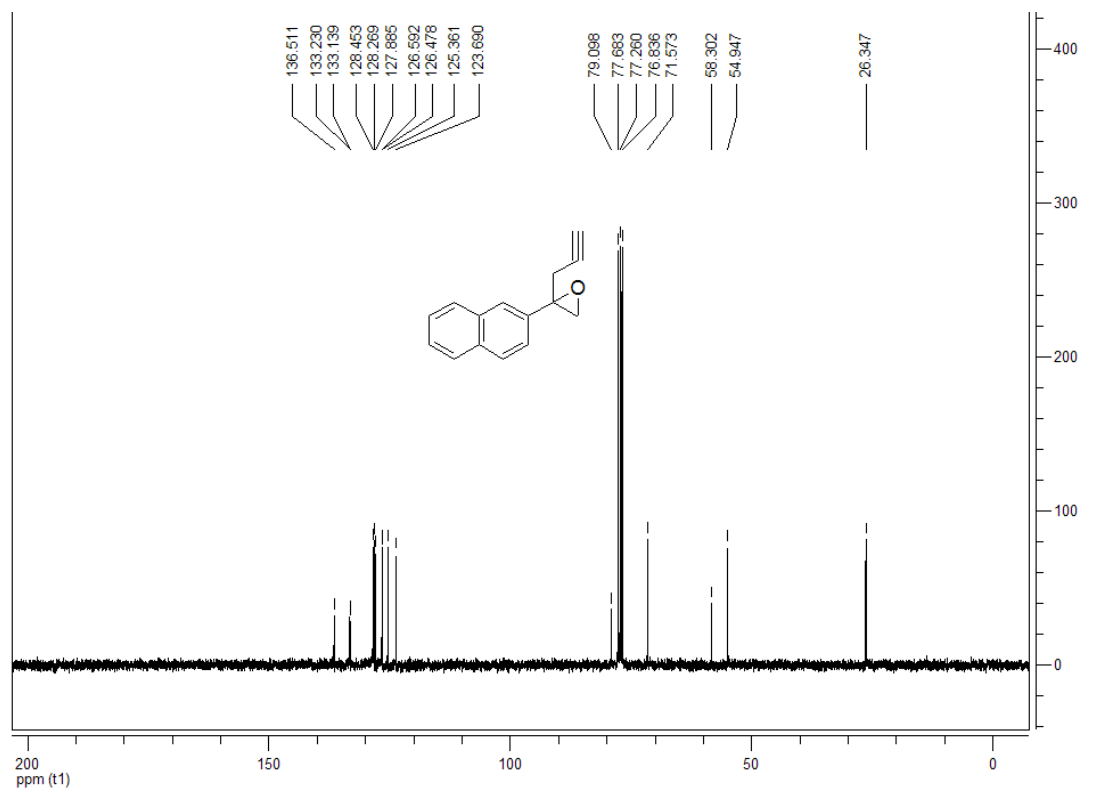
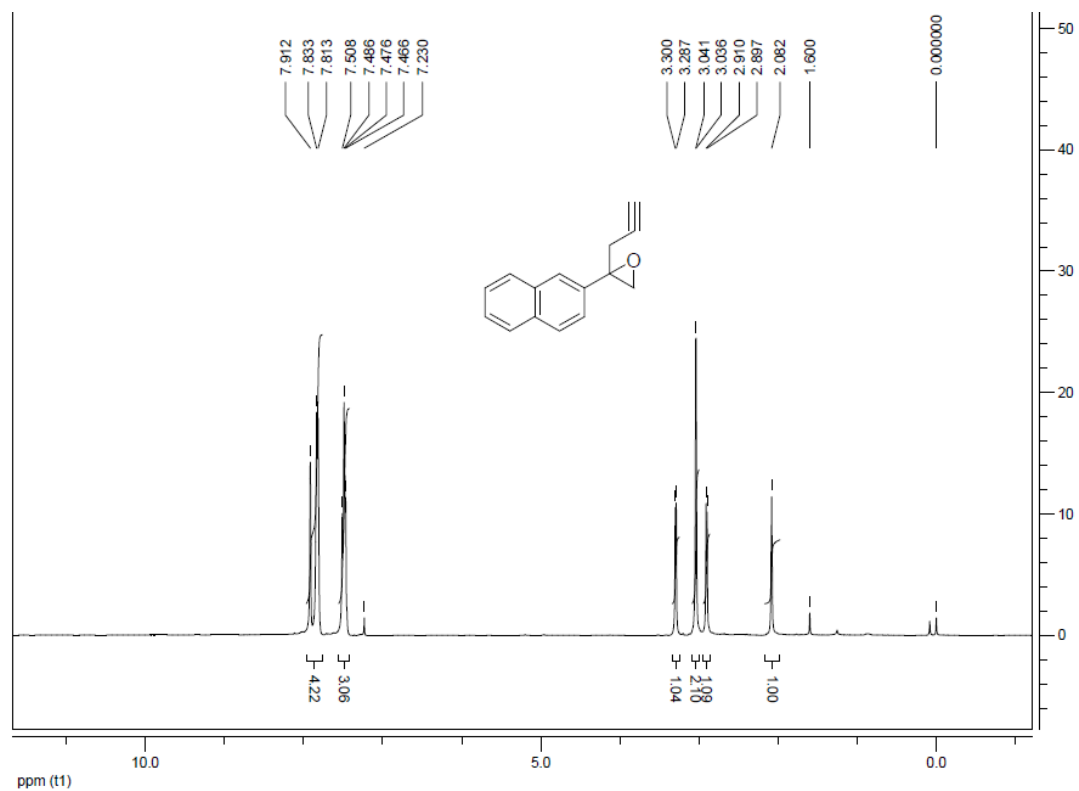
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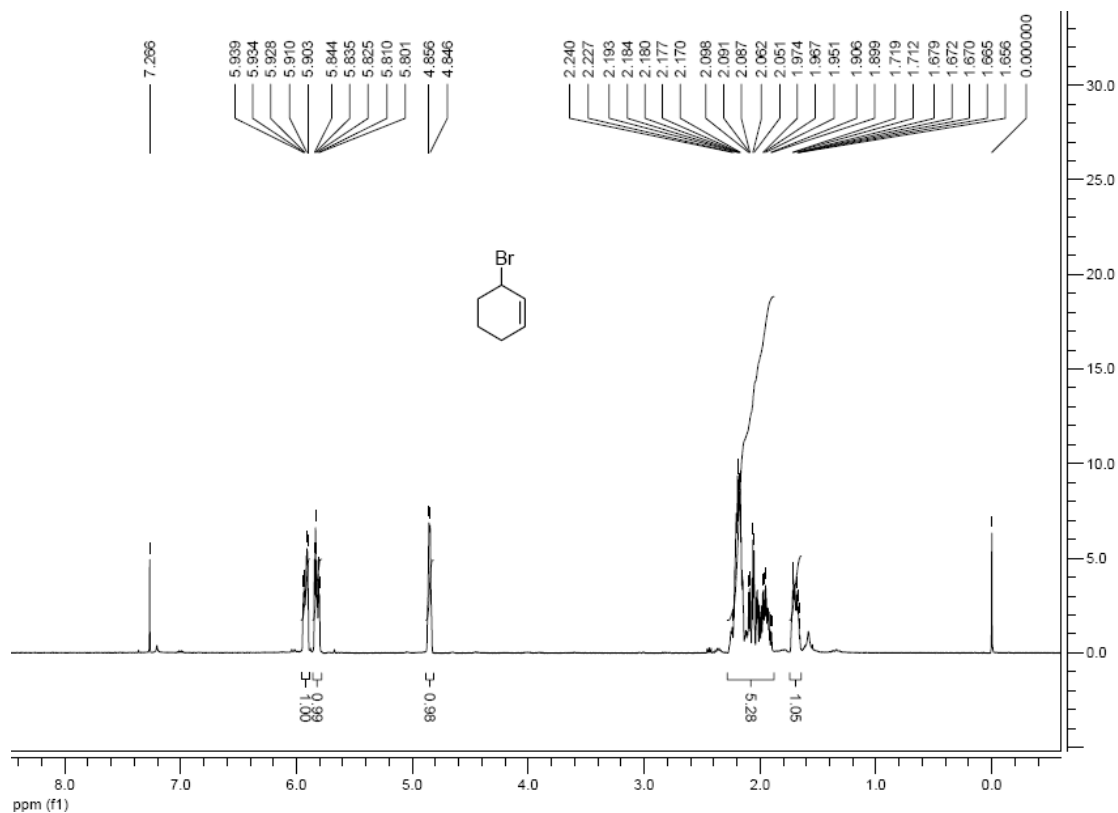
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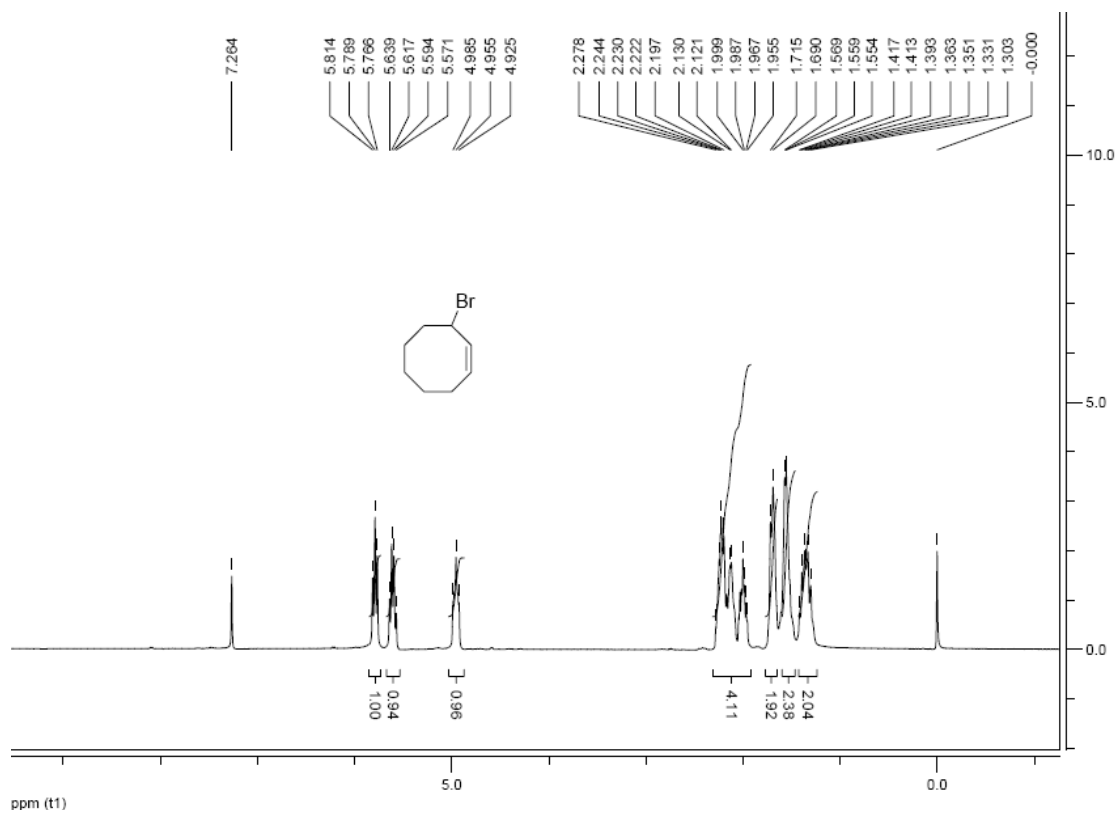
(6e)



### 3-bromocyclohex-1-ene



### (Z)-3-bromocyclooct-1-ene



### 1-(3-bromoprop-1-enyl)benzene

