

## Supporting Information

### Visible light-induced selective hydrobromodifluoromethylation of alkenes with dibromodifluoromethane

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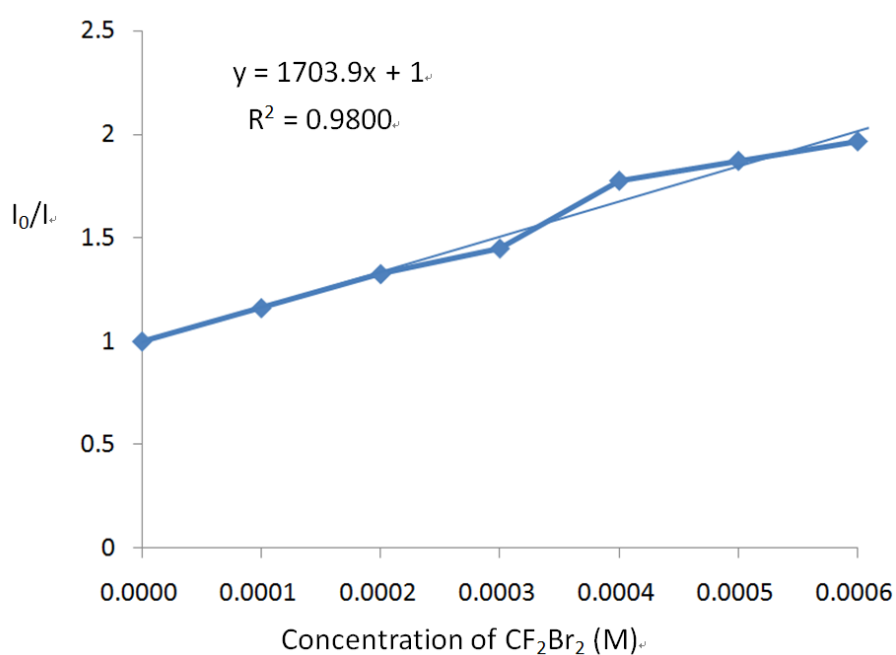
**Stern-Volmer Studies: Luminescence Quenching of Eosin Y\* by CF<sub>2</sub>Br<sub>2</sub>.....S2**

**Copies of <sup>1</sup>H NMR, <sup>19</sup>F NMR and <sup>13</sup>C NMR Spectra of Products.....S3-  
S59**

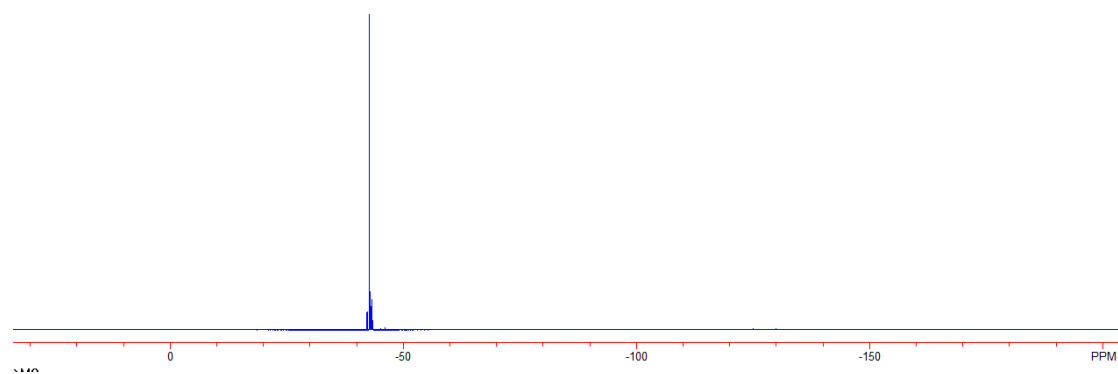
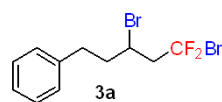
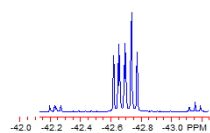
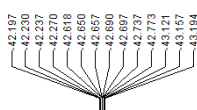
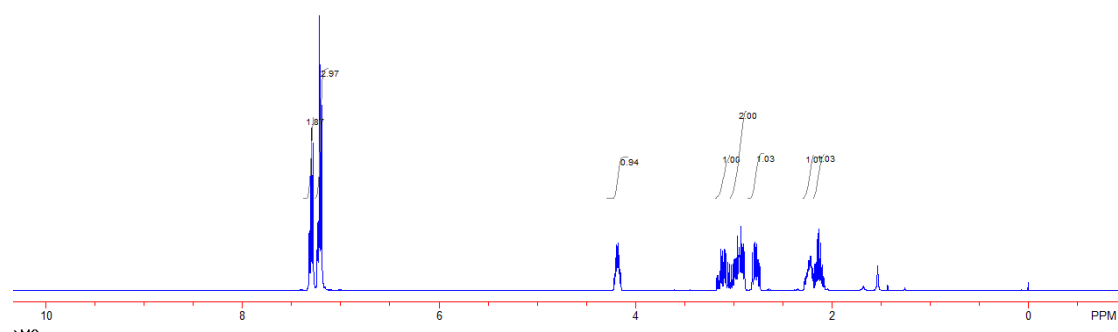
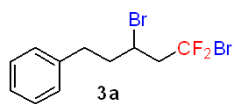
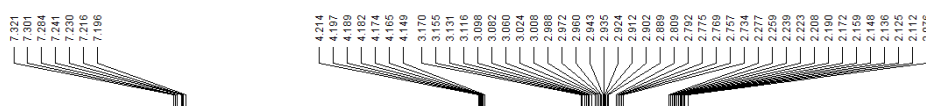
### Stern-Volmer Studies: Luminescence Quenching of Eosin Y\* by CF<sub>2</sub>Br<sub>2</sub>.

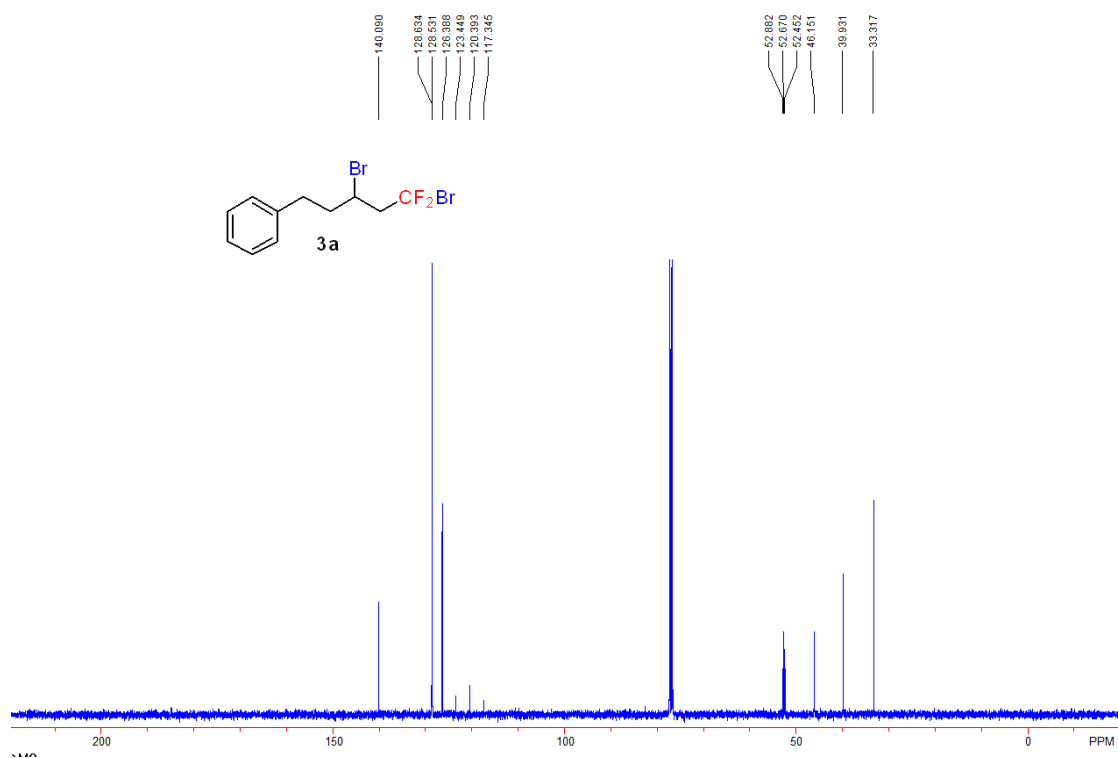
Emission intensities were recorded using a HITACHI F-4600 Luminescence spectrometer. All Eosin Y solutions were excited at 470 nm and the emission intensity at 580 nm was observed.

General experimental procedure: A solution of Eosin Y in THF was prepared and degassed three times via freeze-pump-thaw cycle in a 1 cm quartz cell equipped with a sphere moiety for freeze. The solution of CF<sub>2</sub>Br<sub>2</sub> in THF was added to the solution of the Eosin Y before measurement of emission intensities.

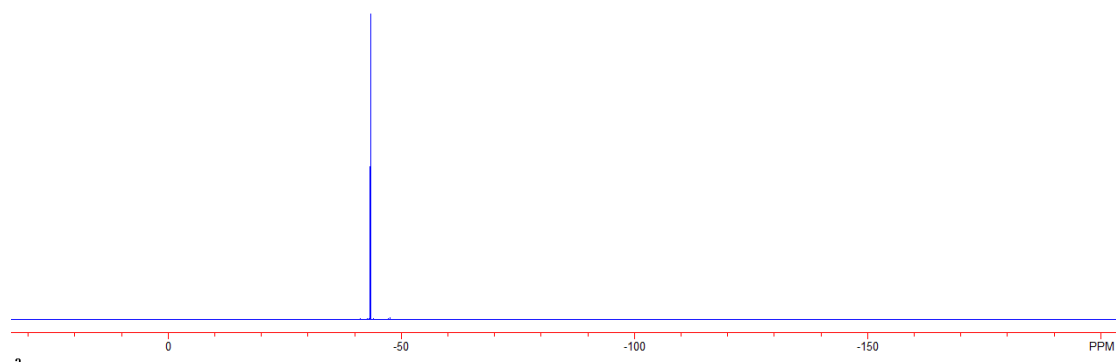
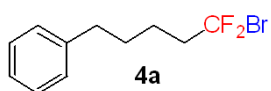
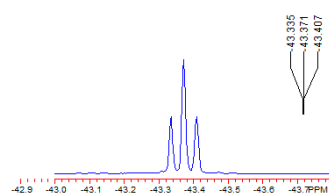
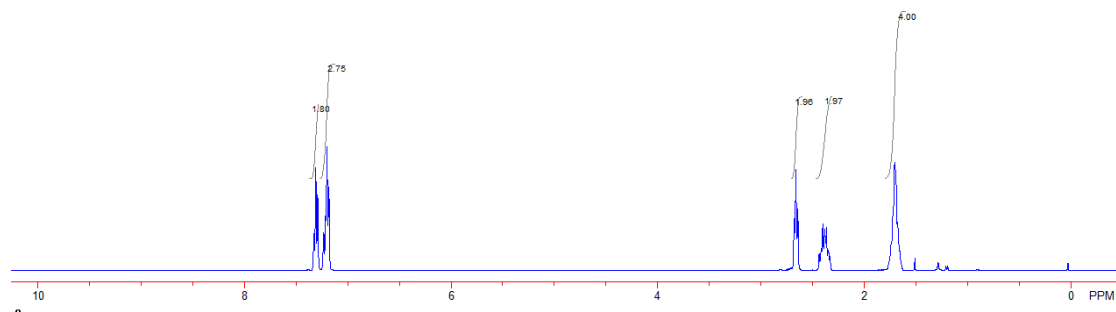
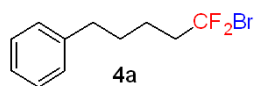
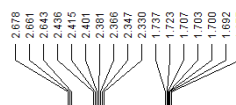
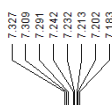


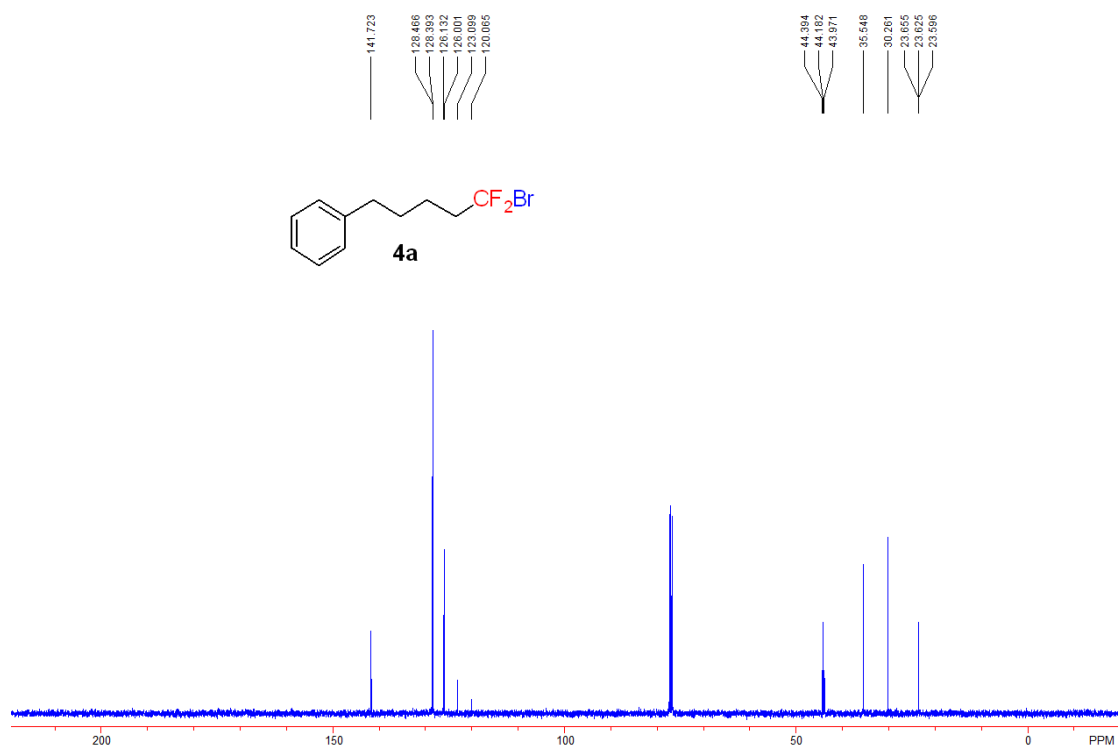
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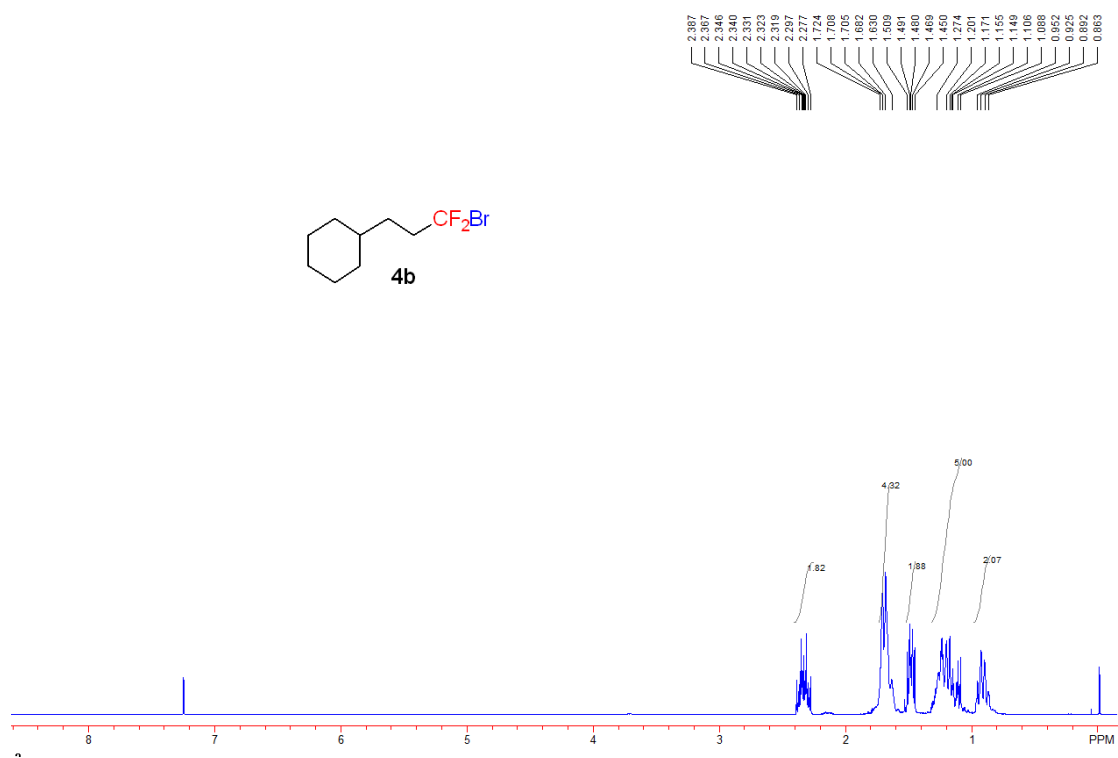


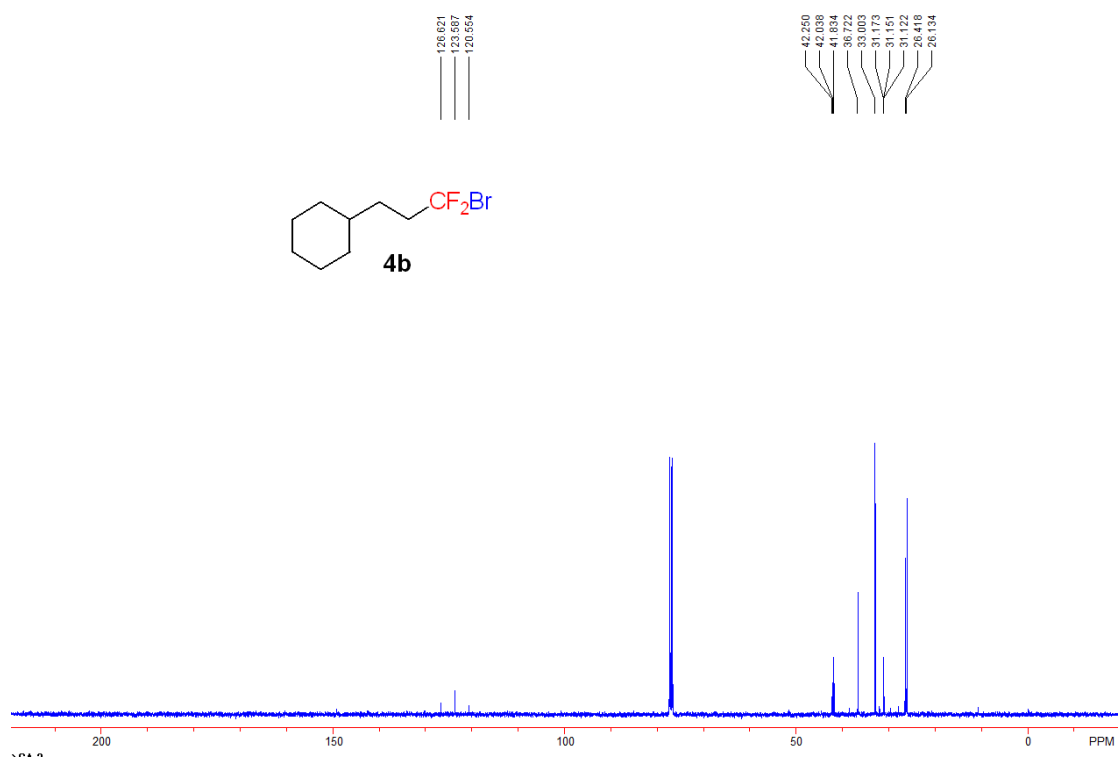
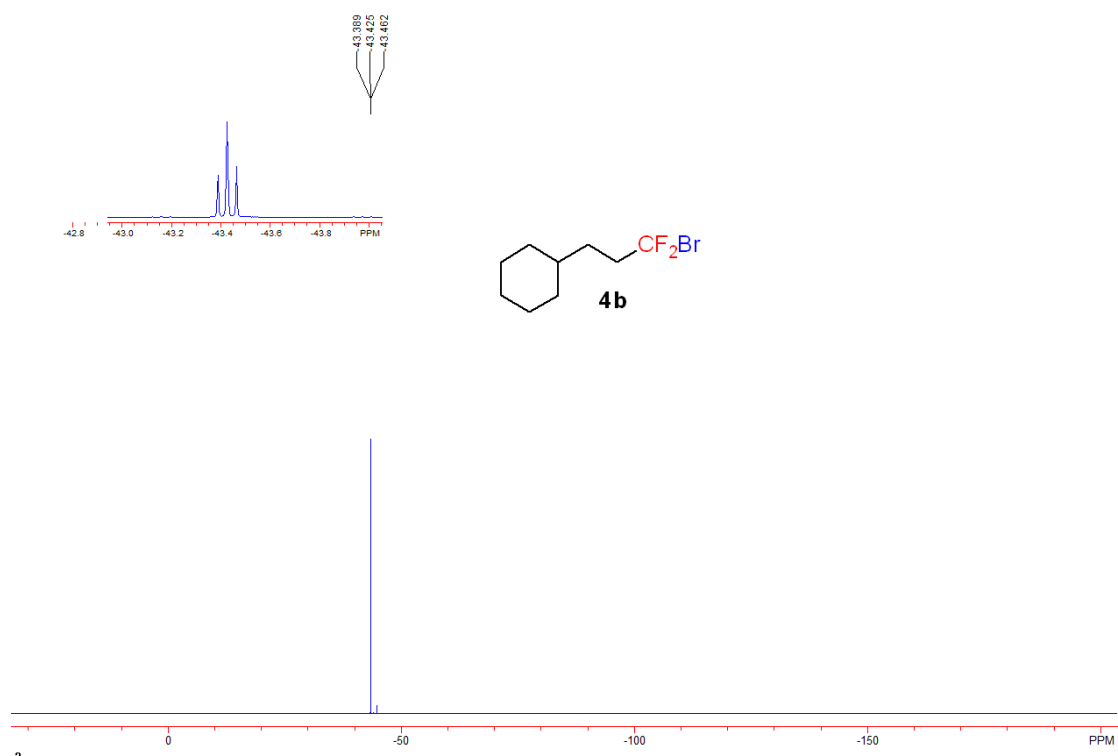
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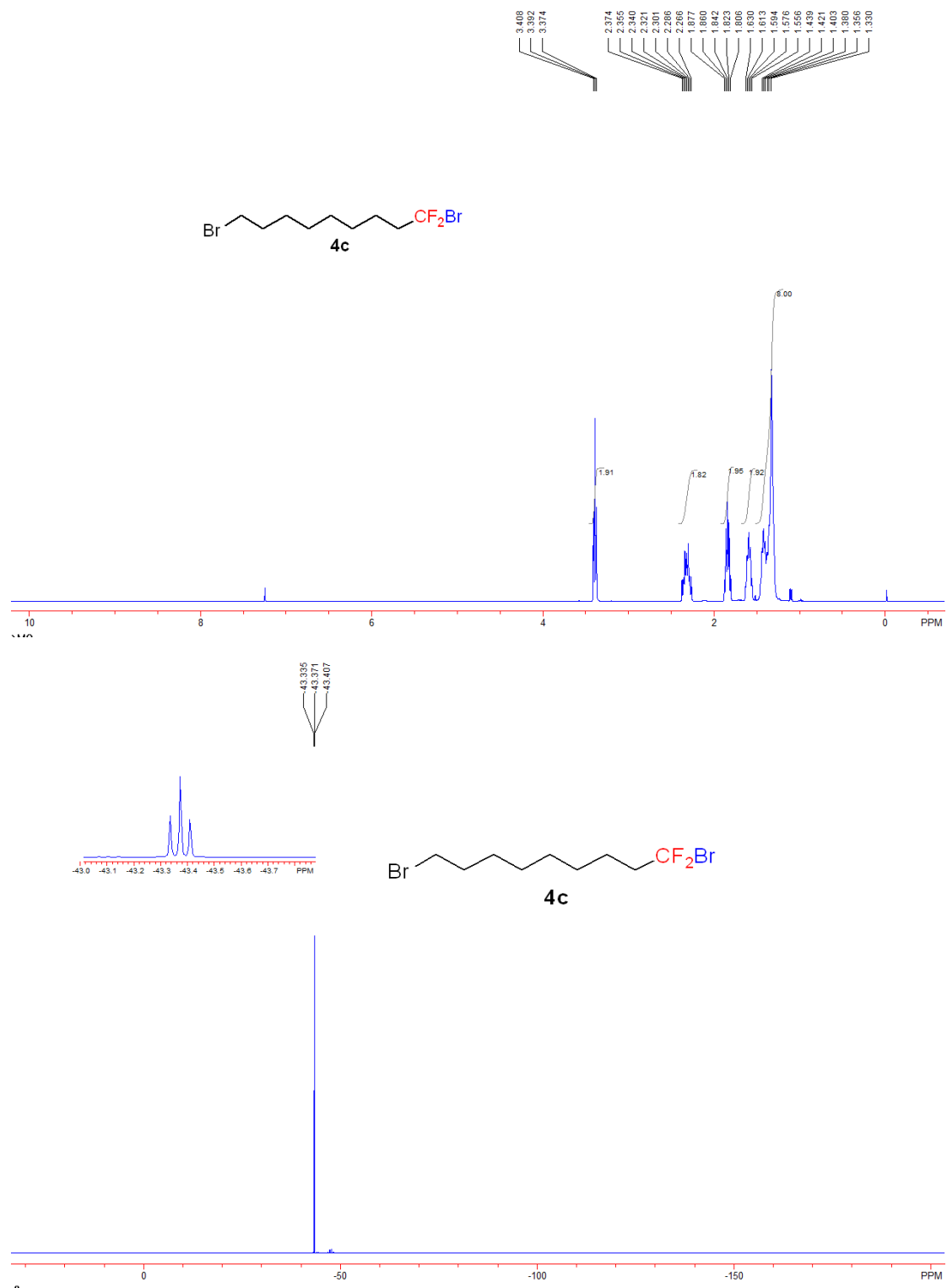


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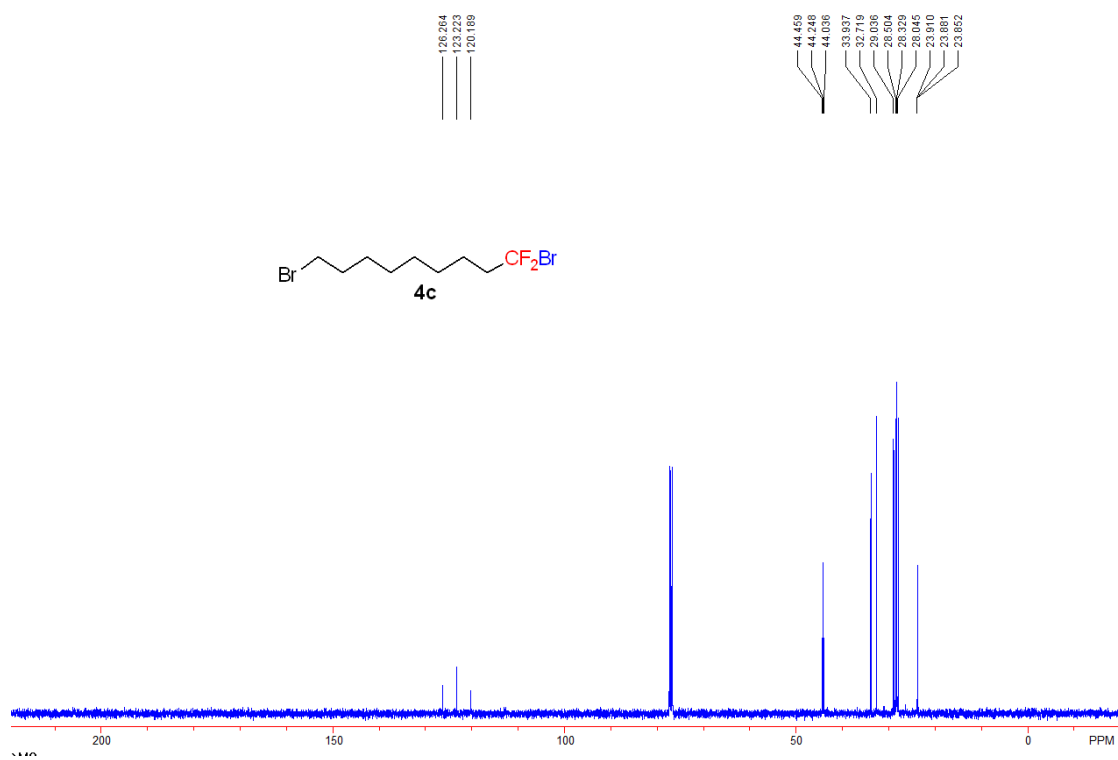




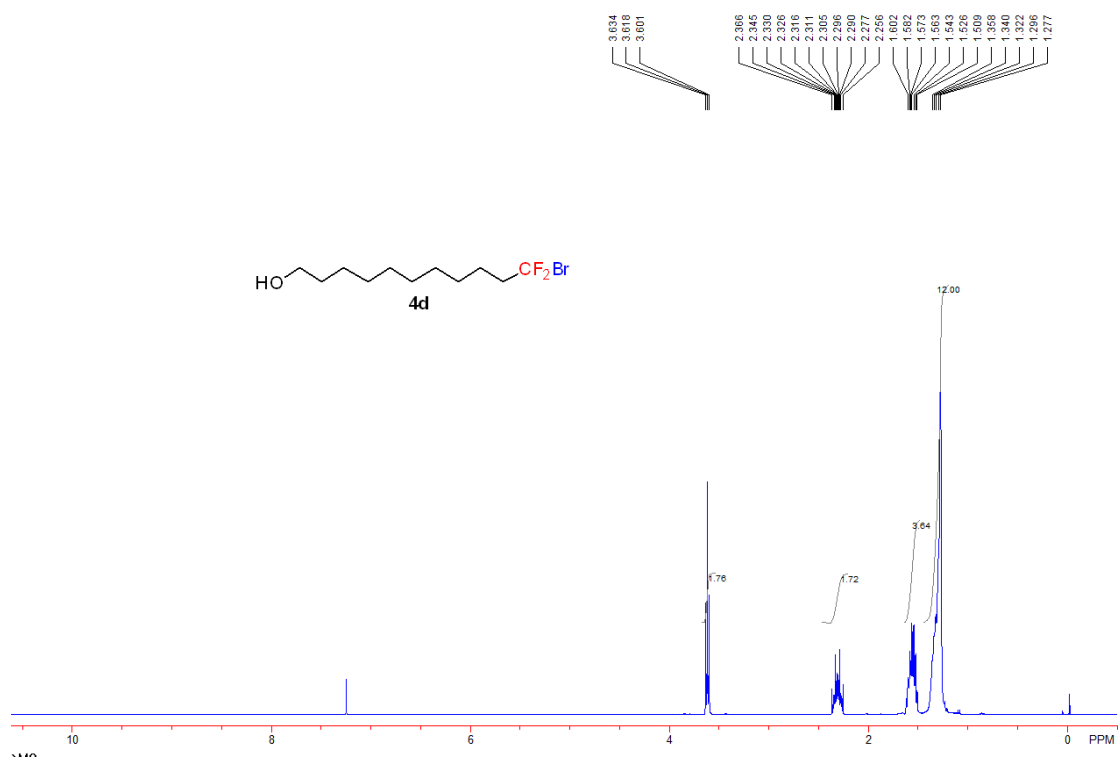
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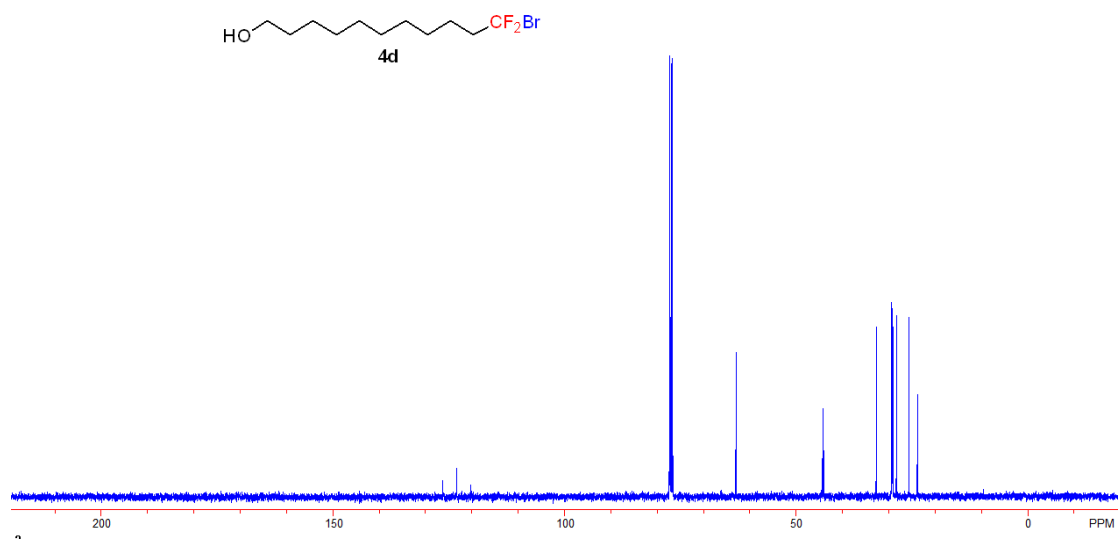
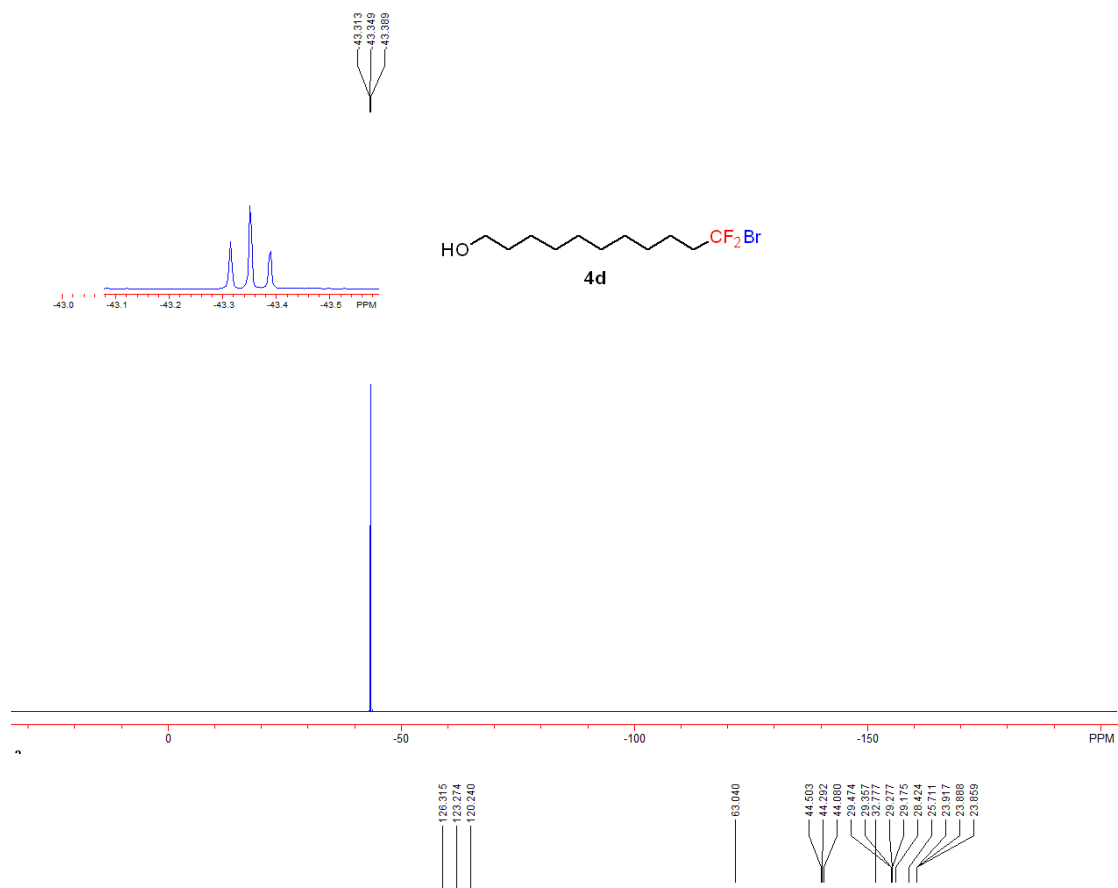




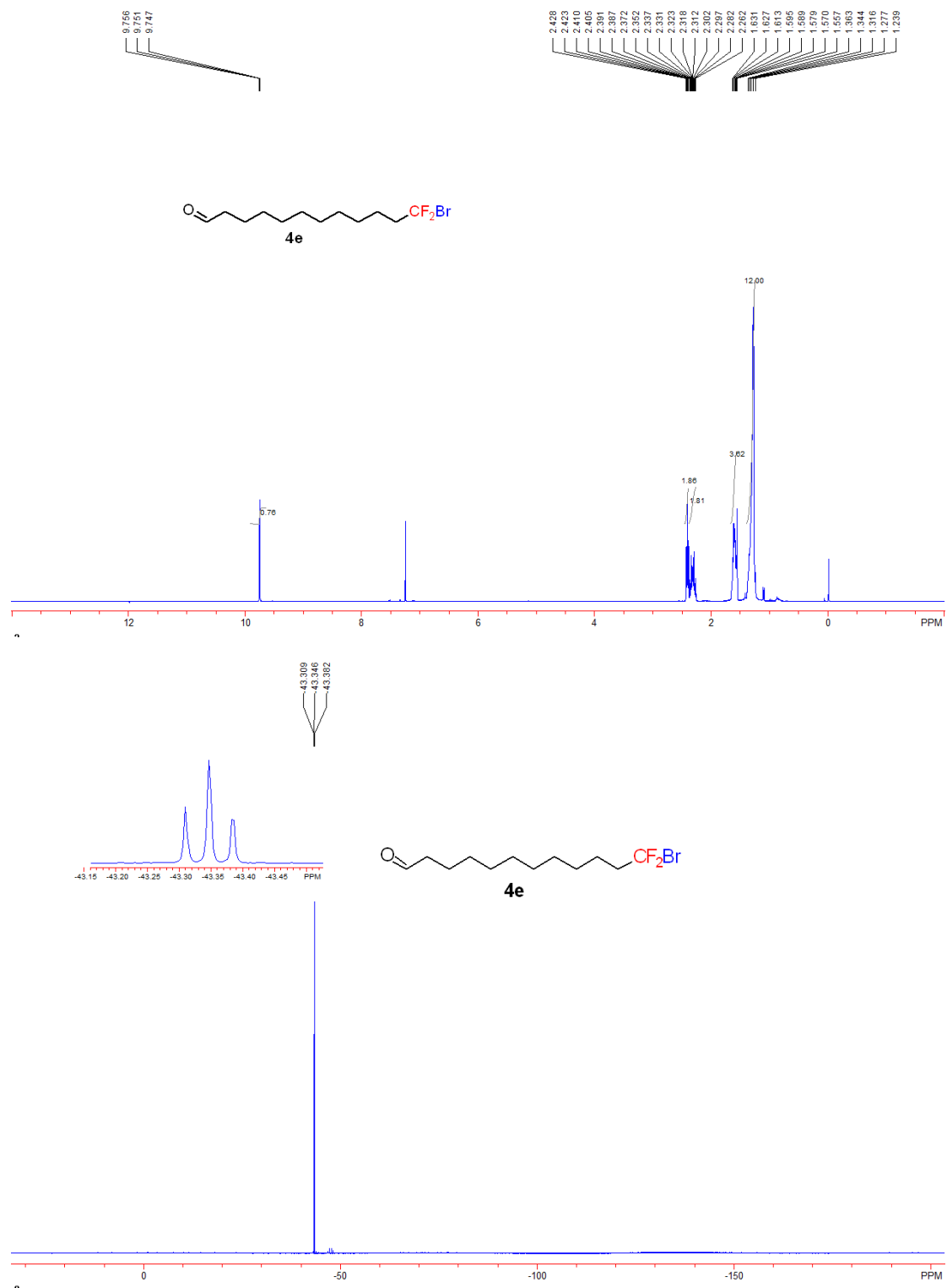


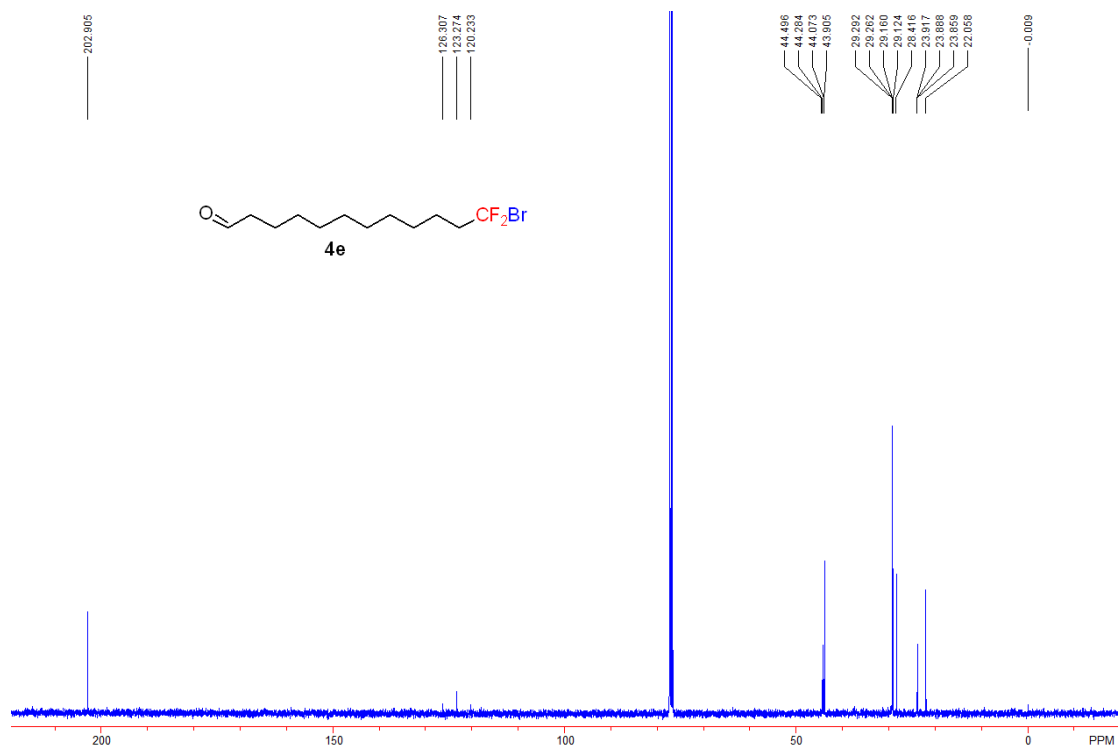
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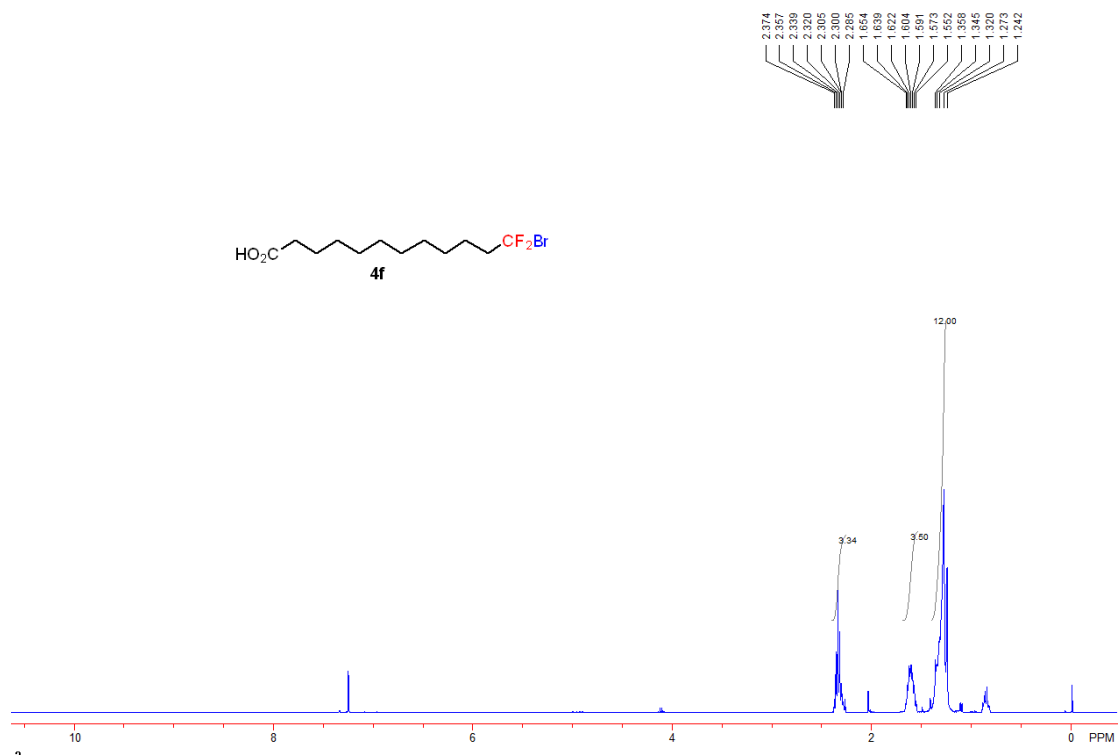


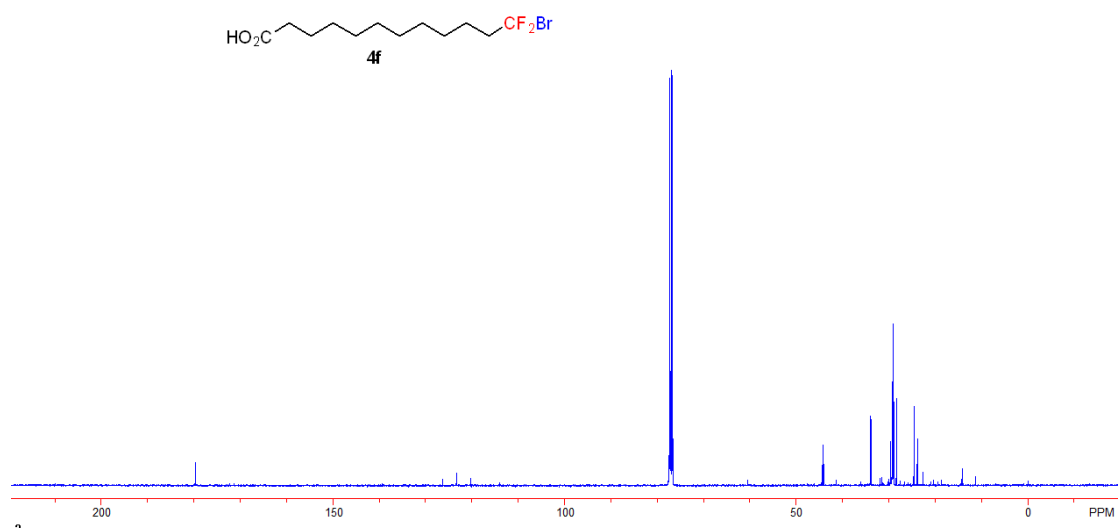
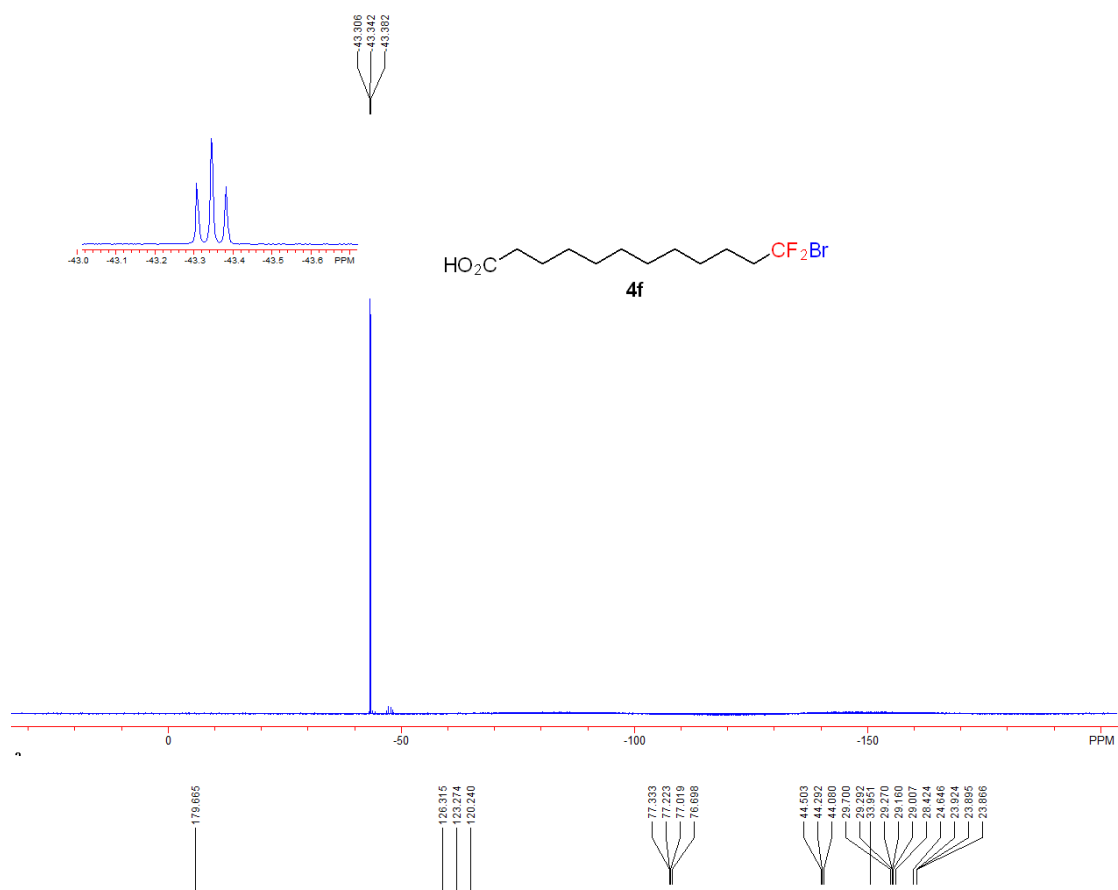
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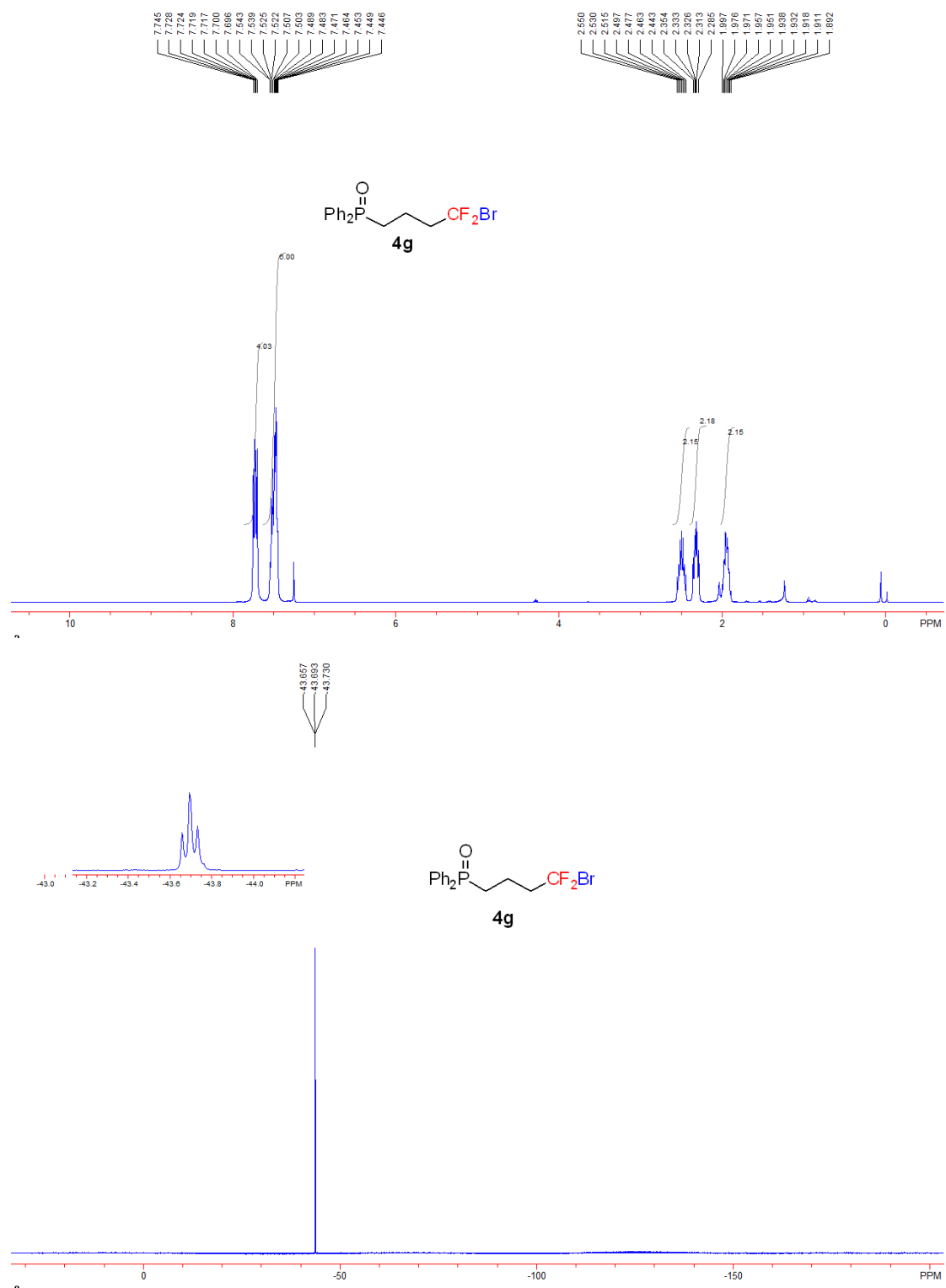


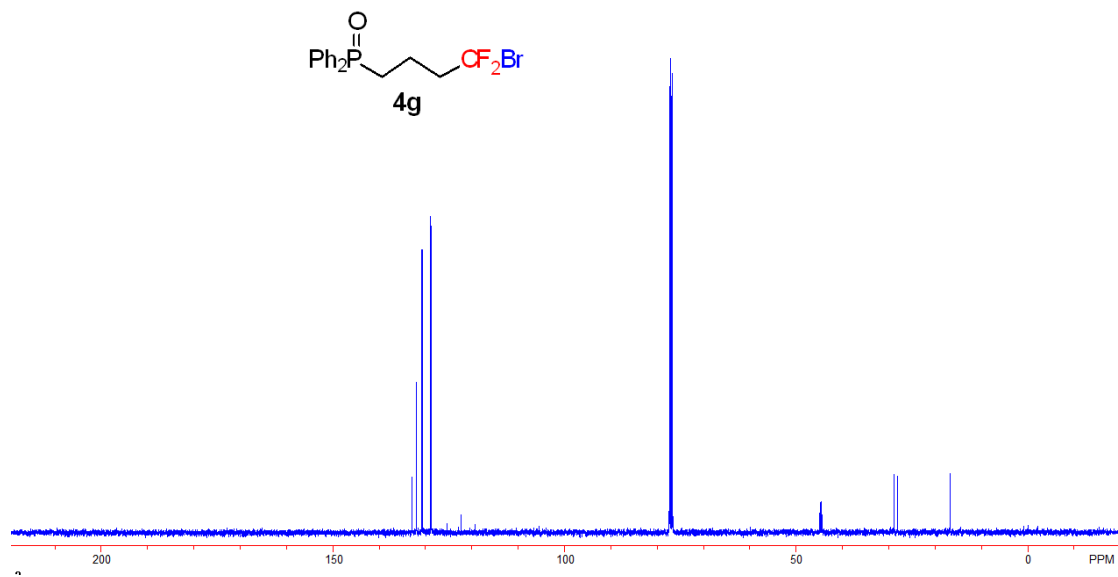
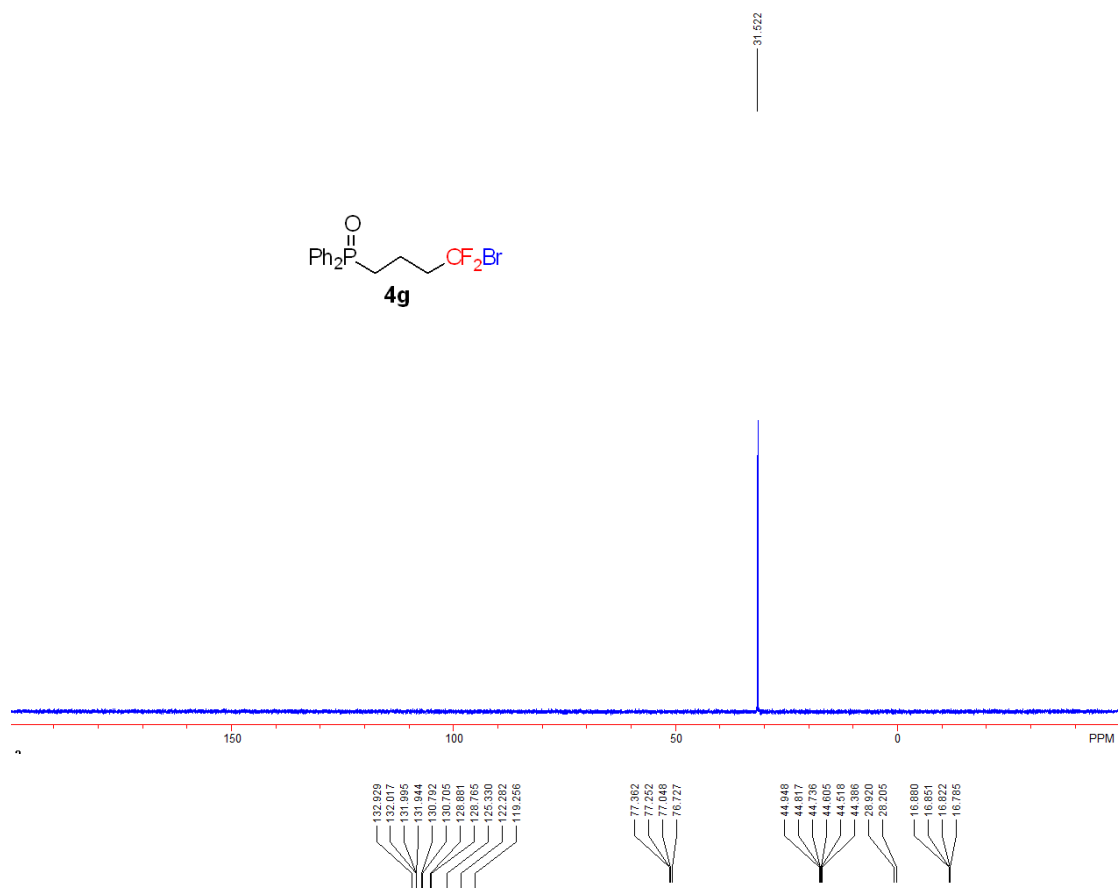
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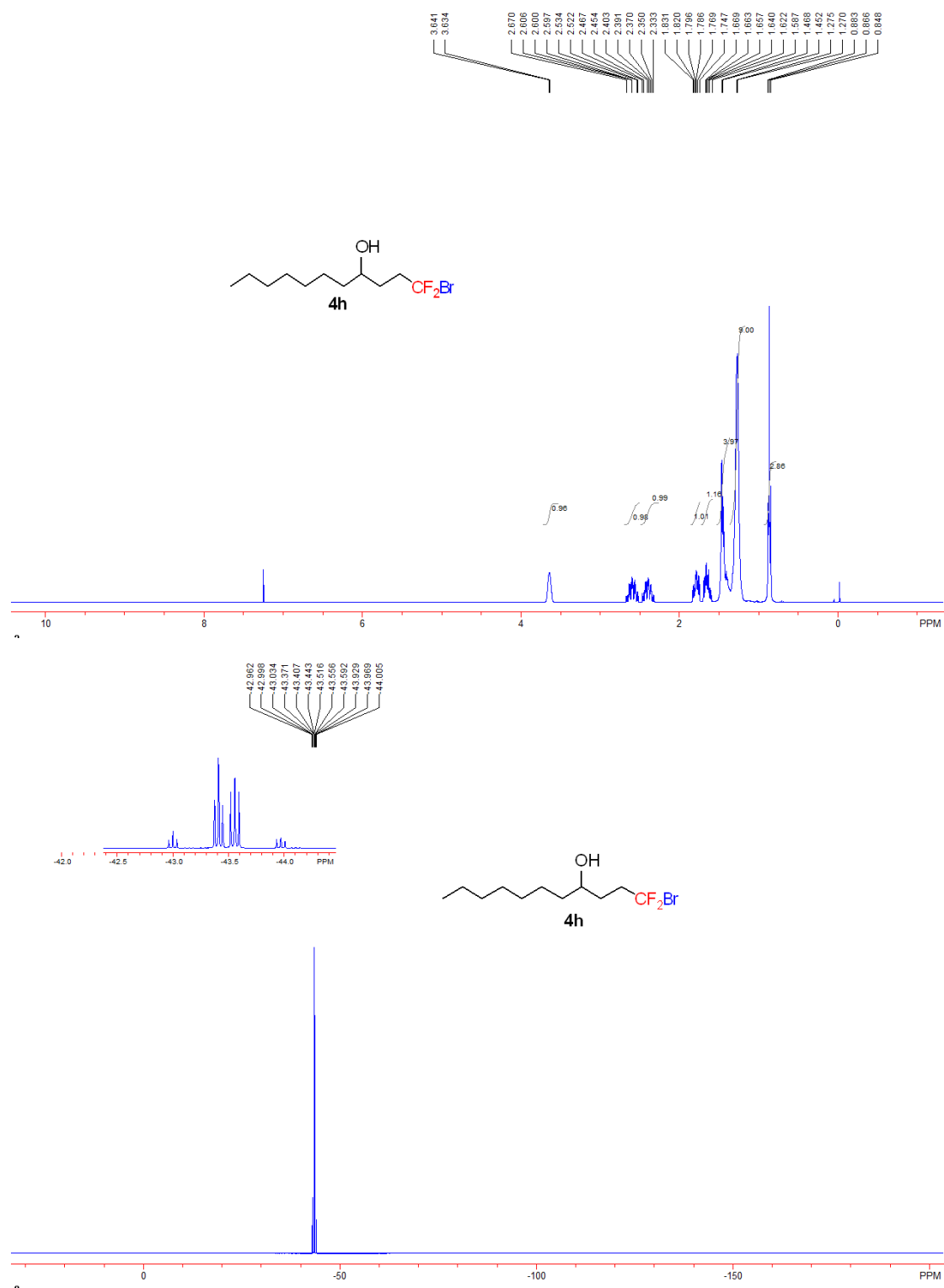


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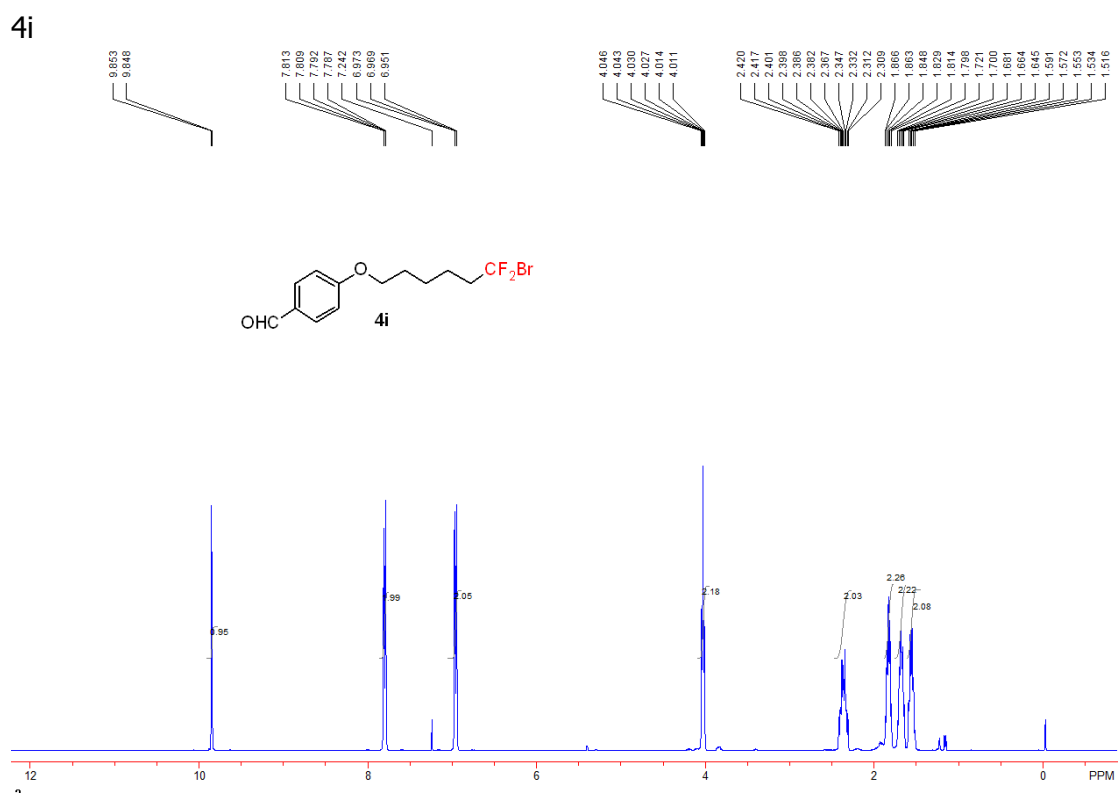
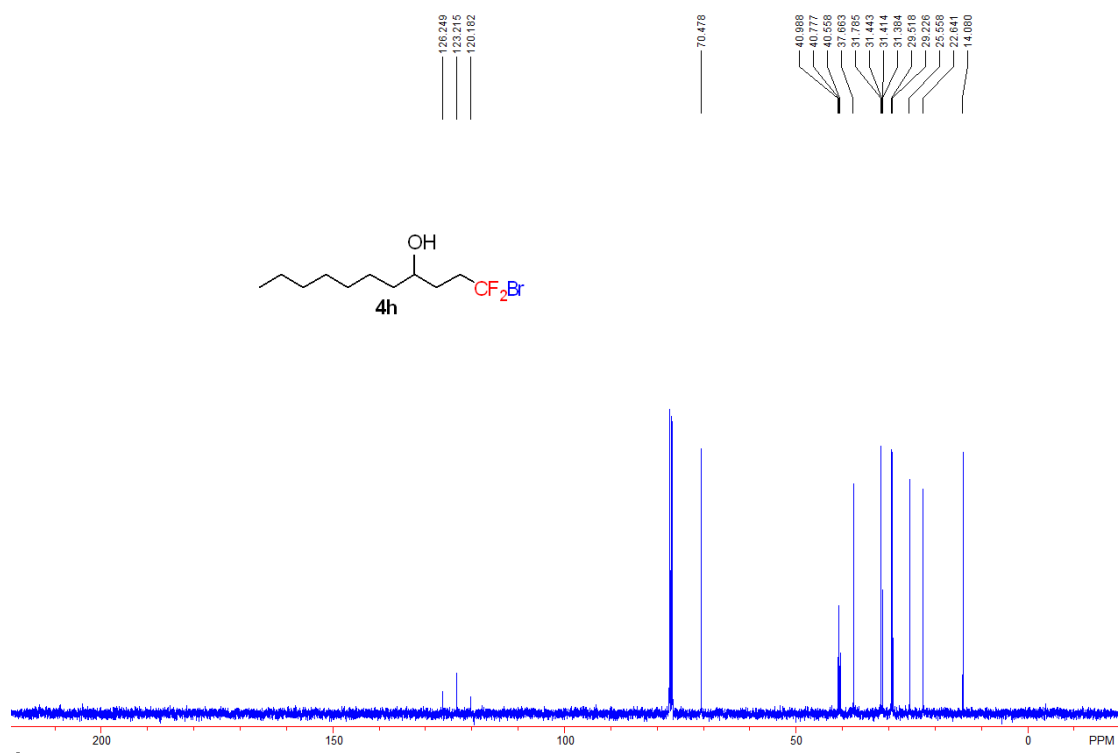


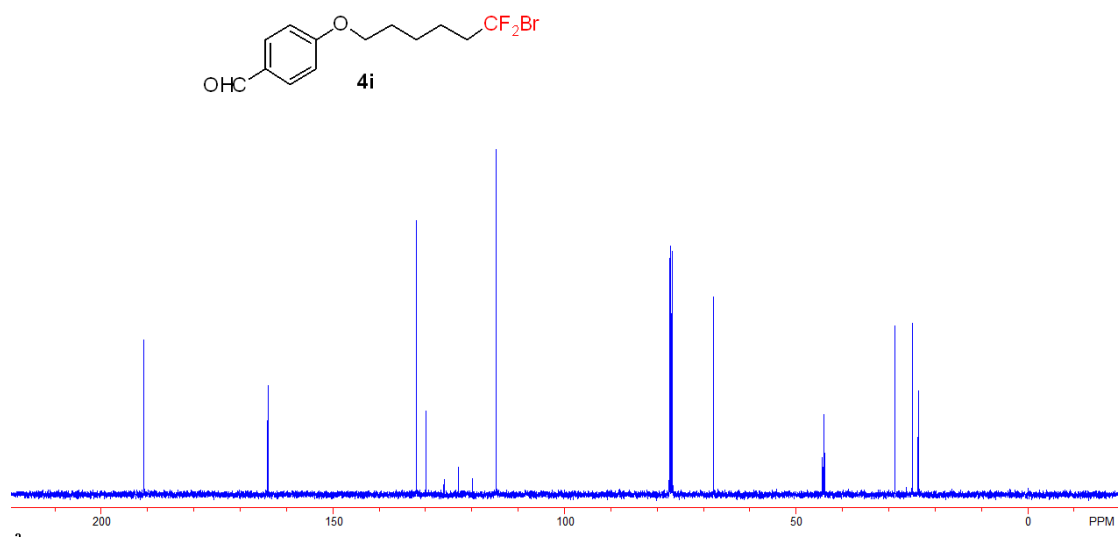
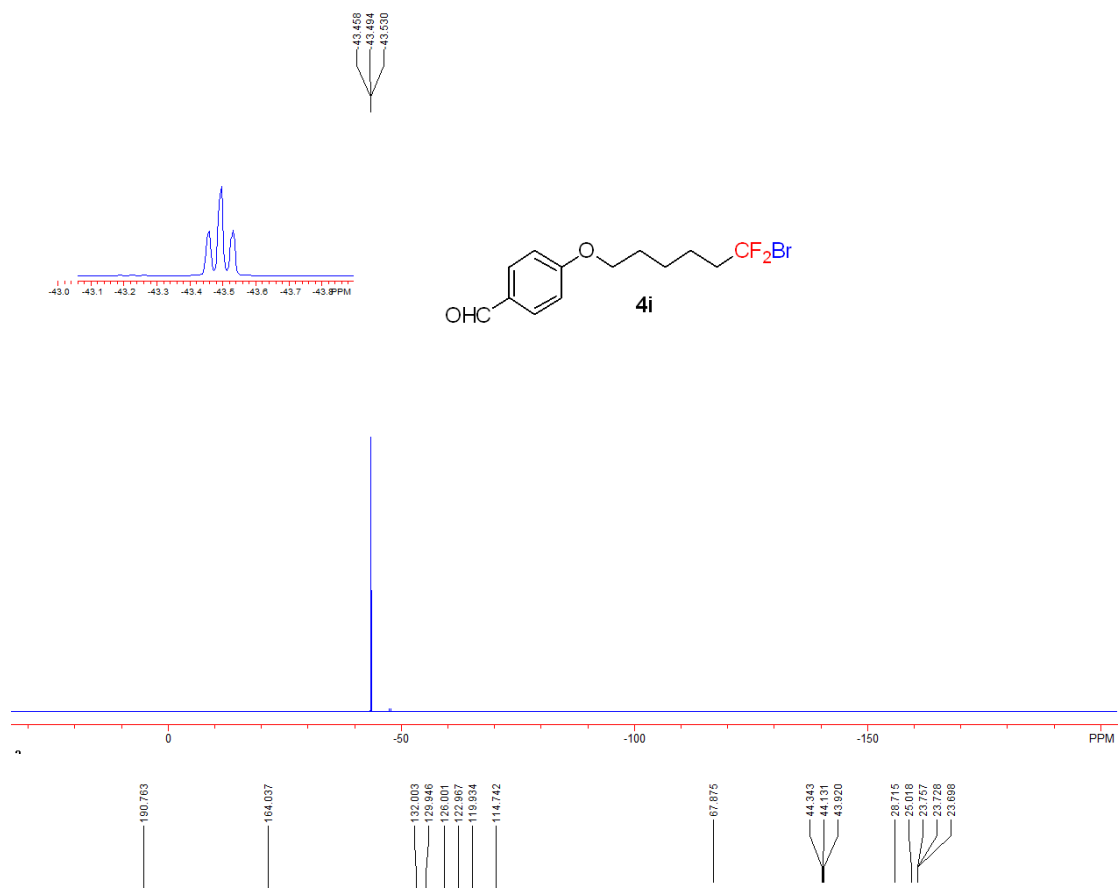


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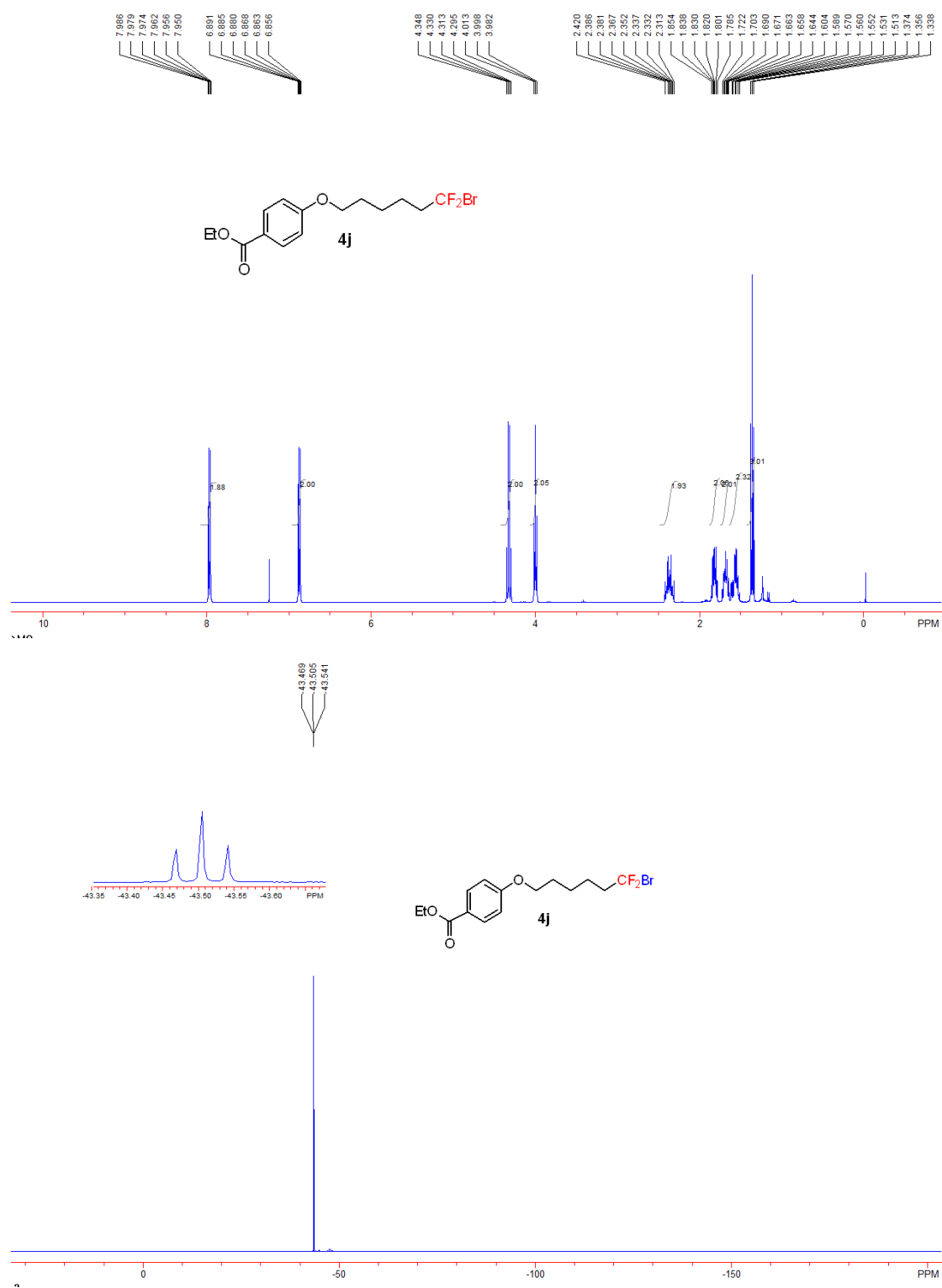


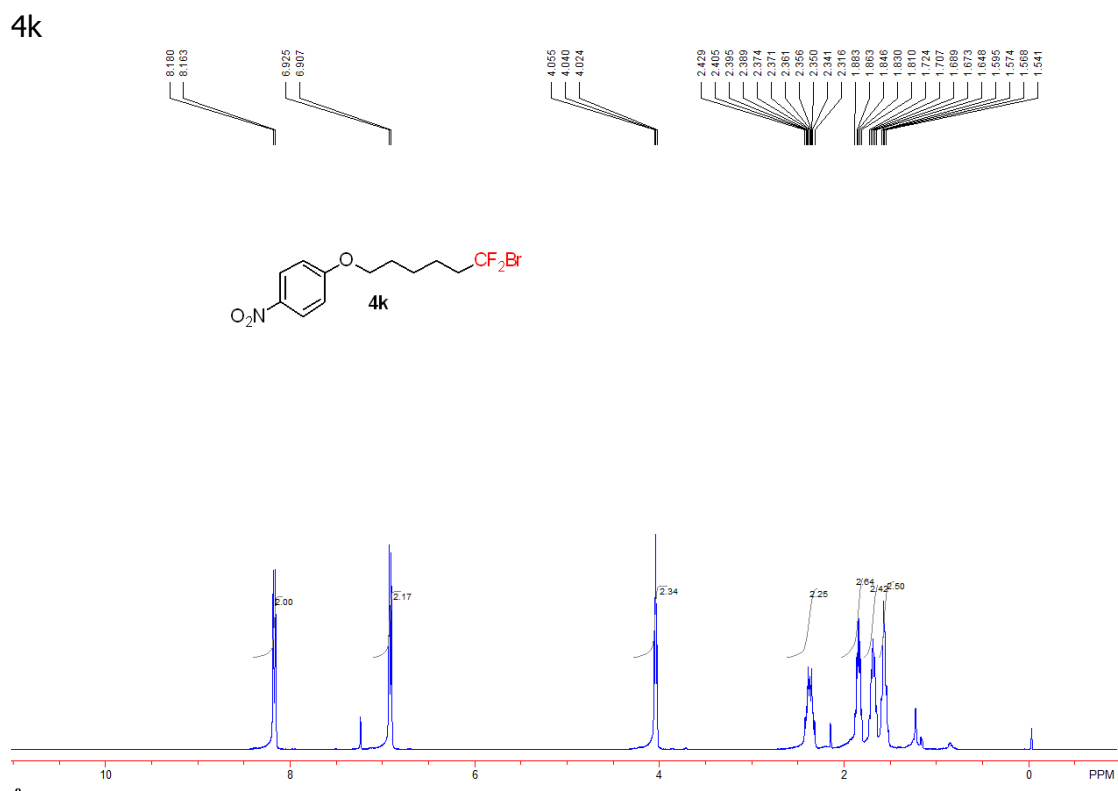
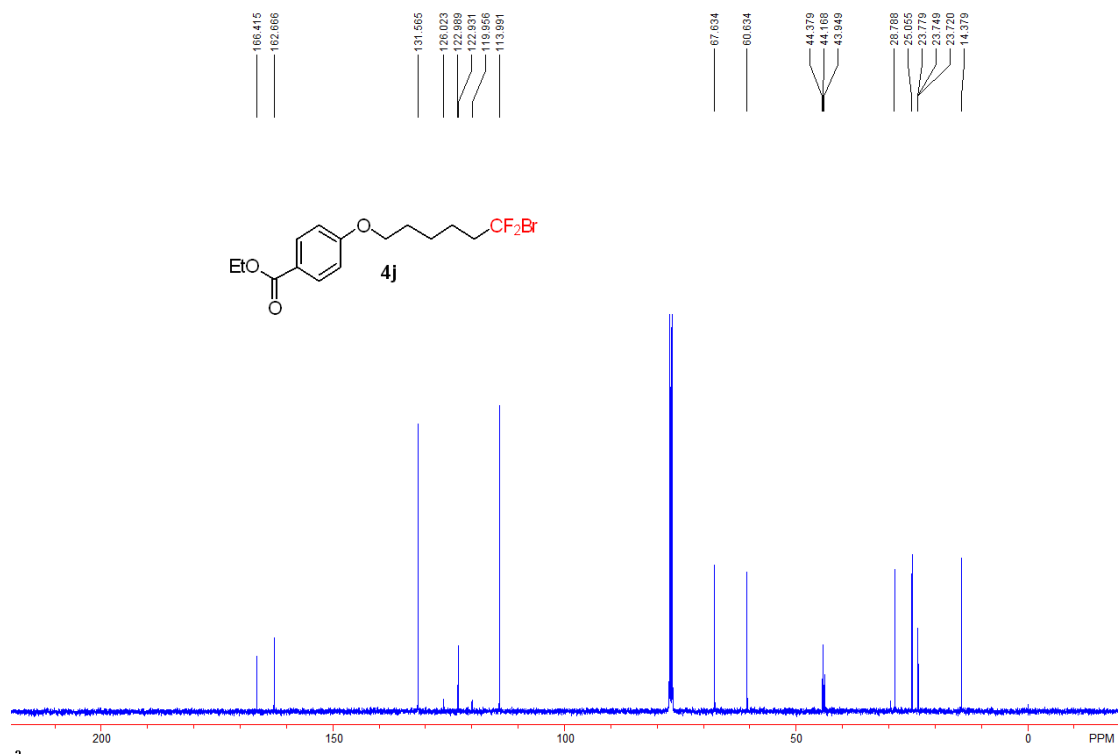


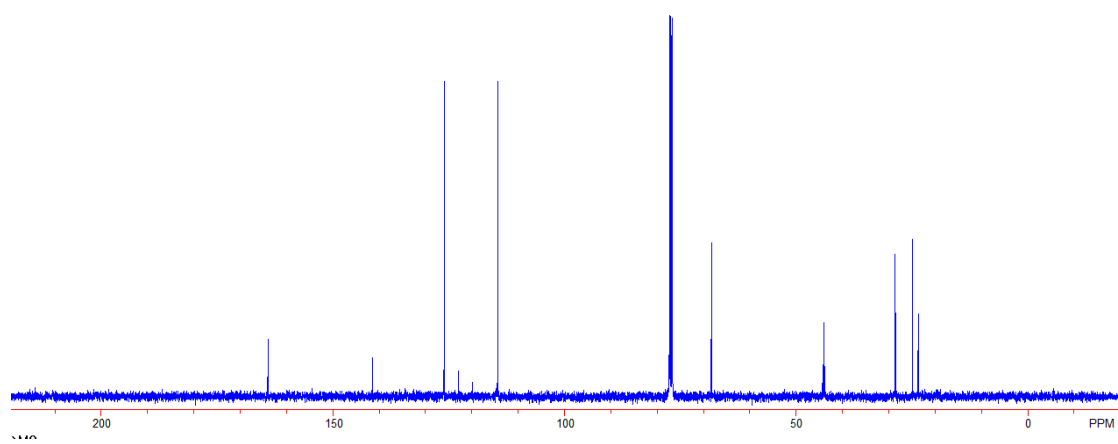
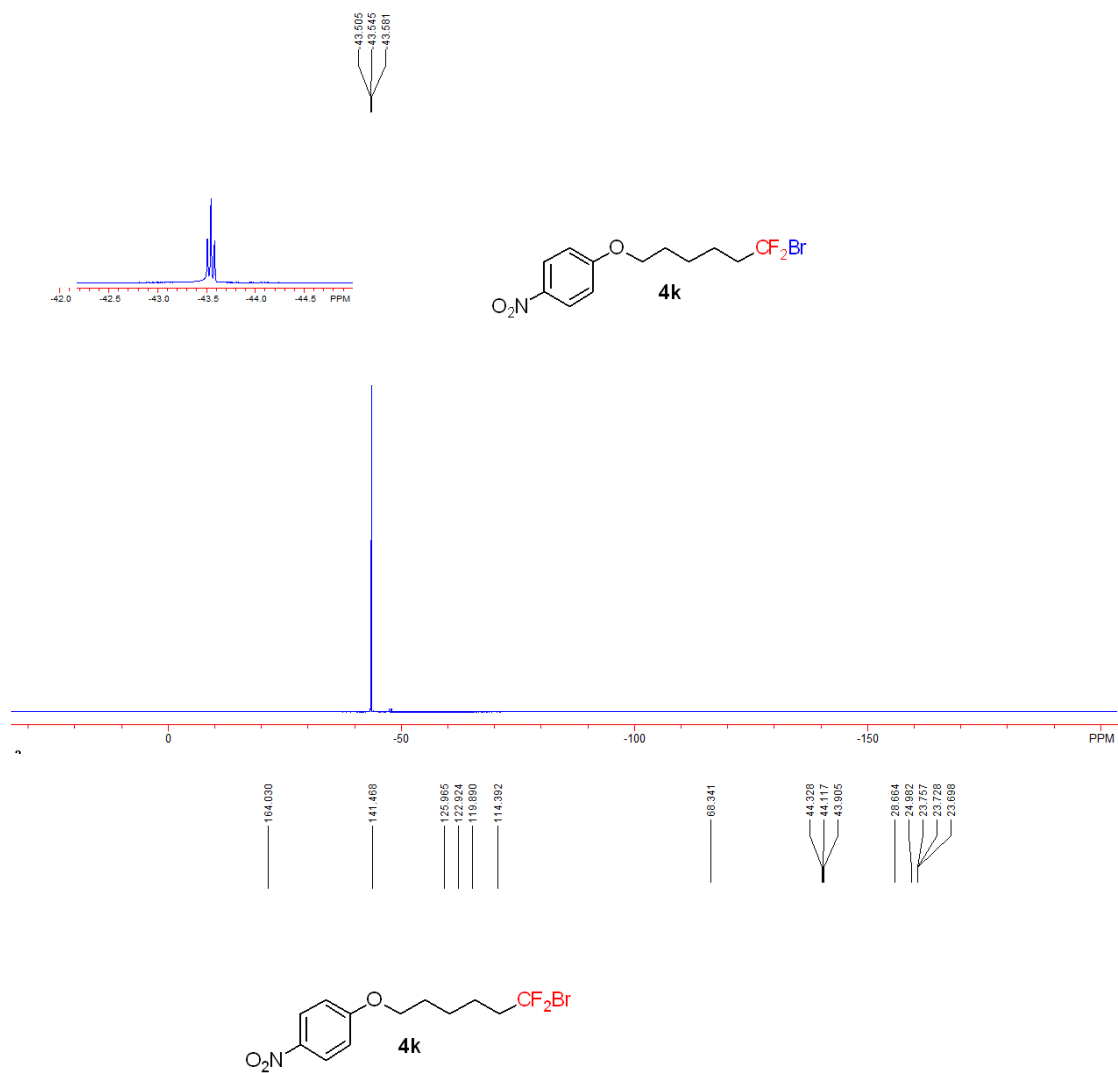




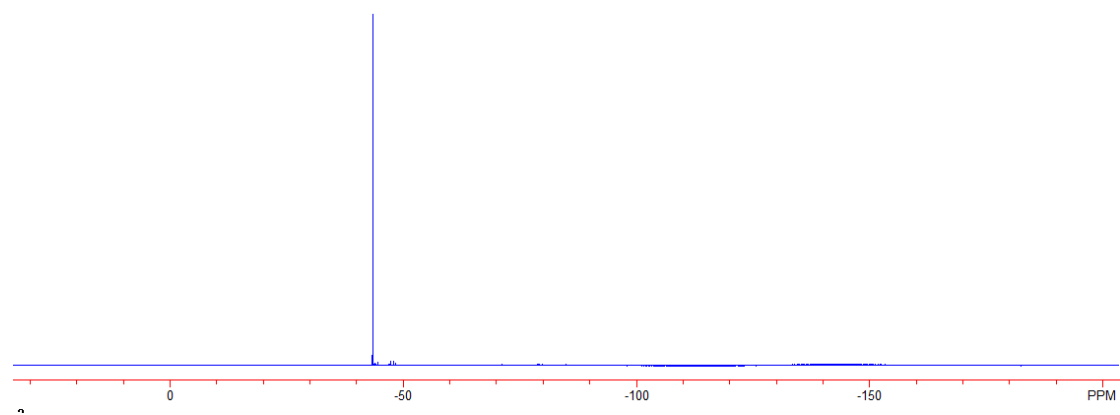
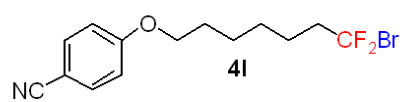
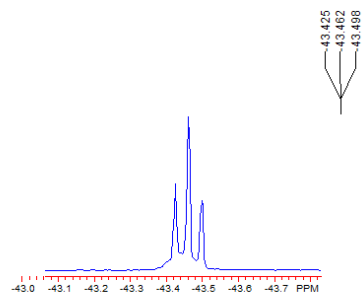
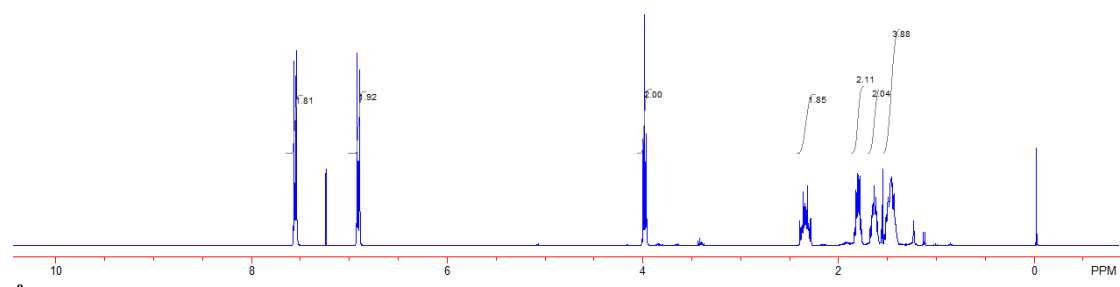
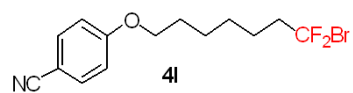
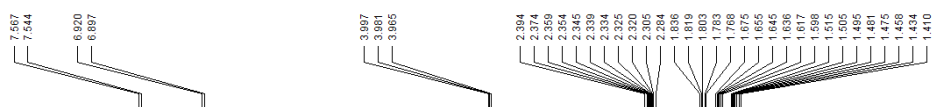
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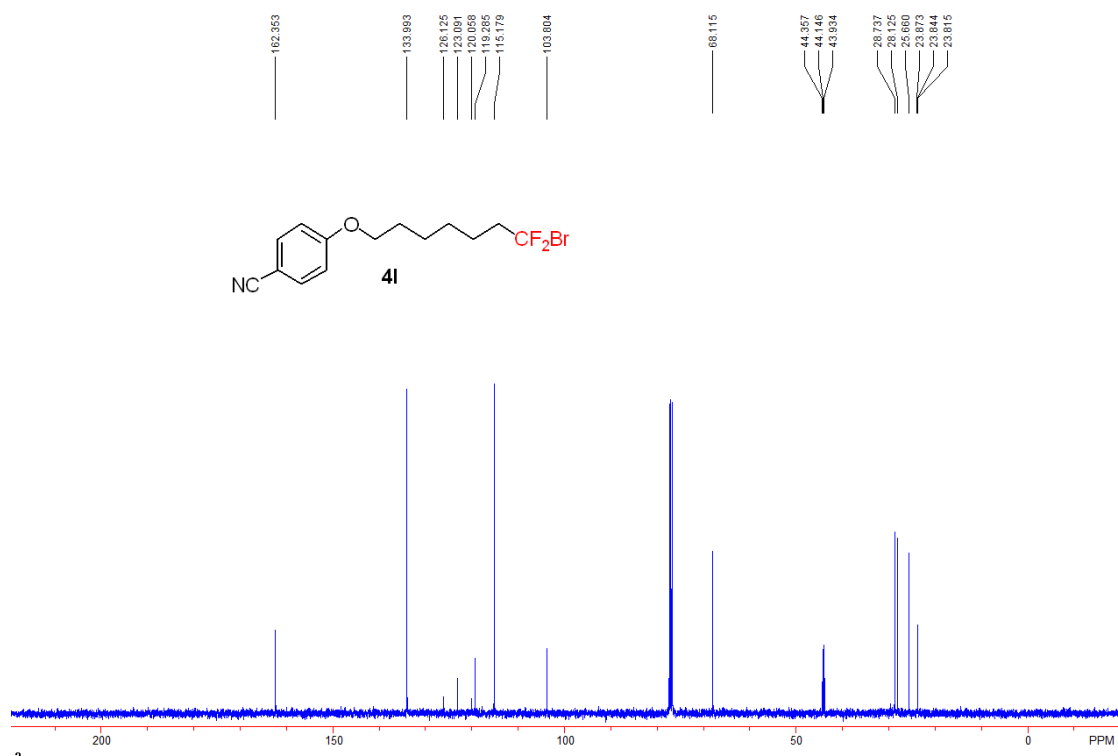




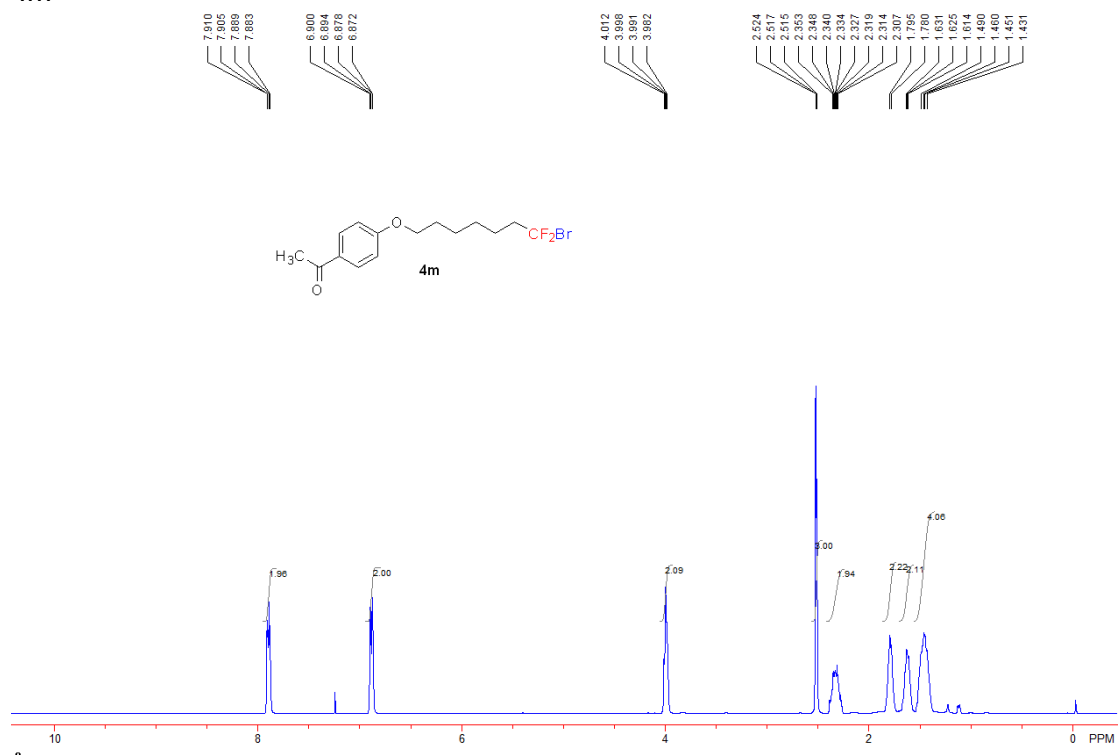


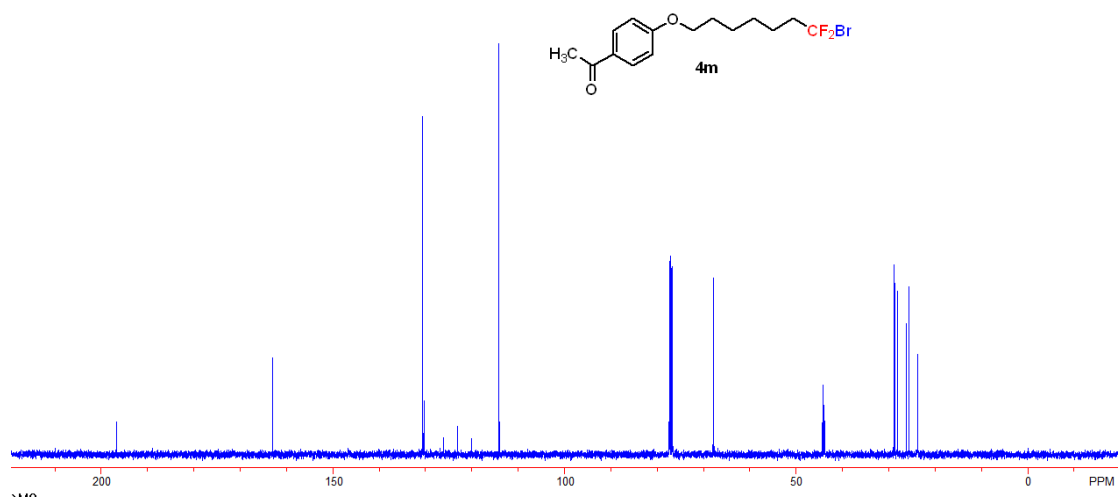
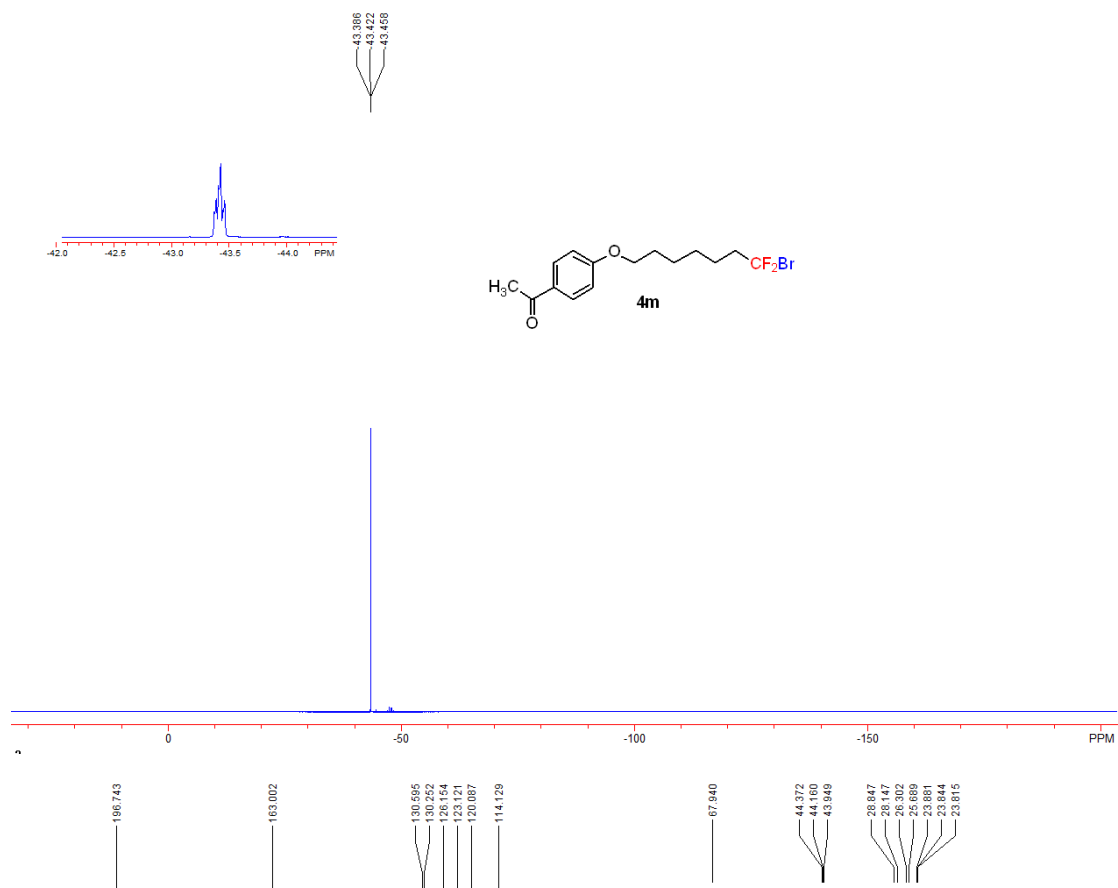
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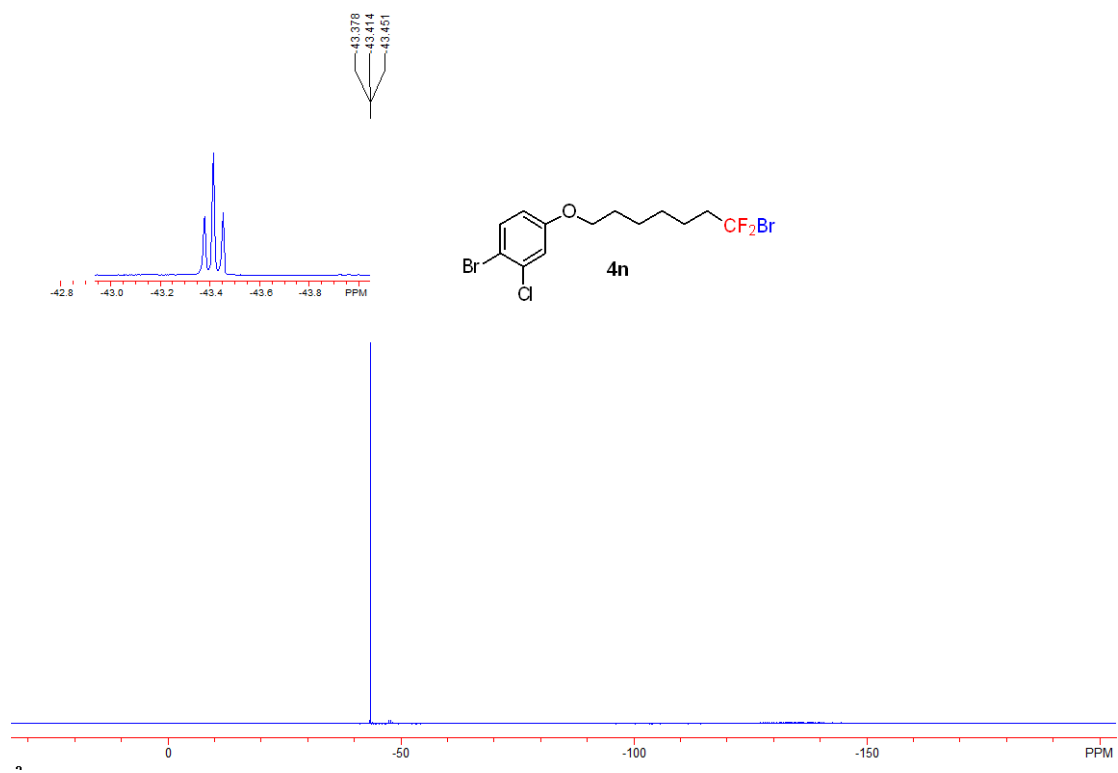
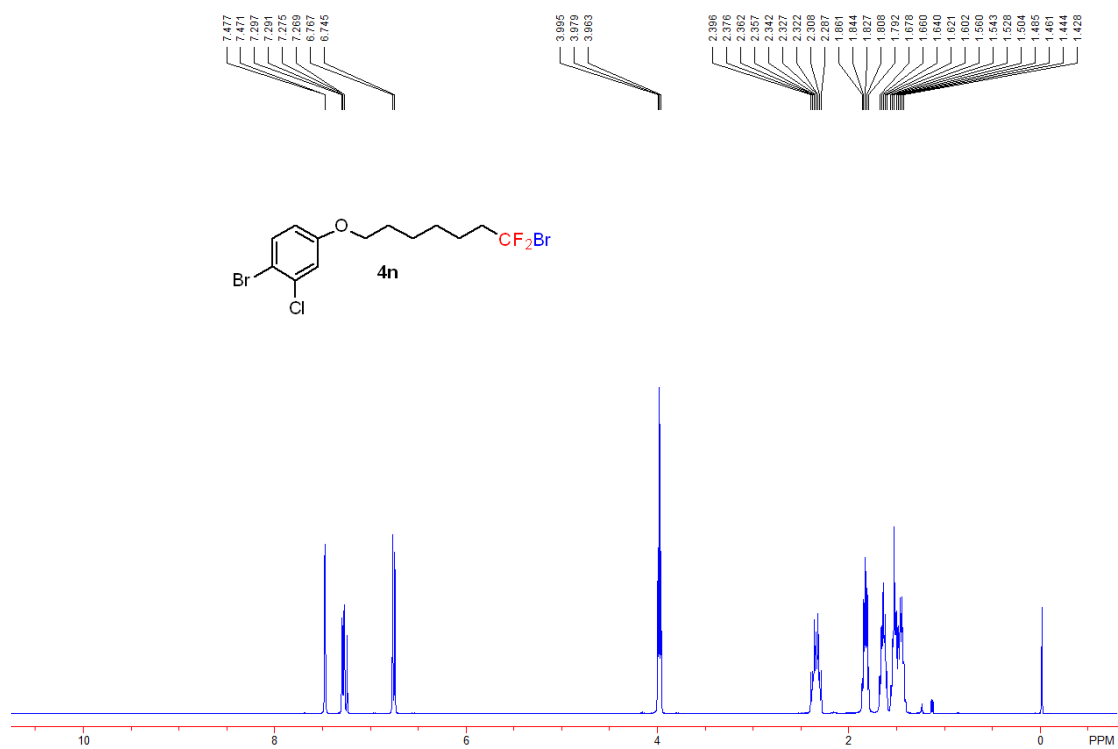
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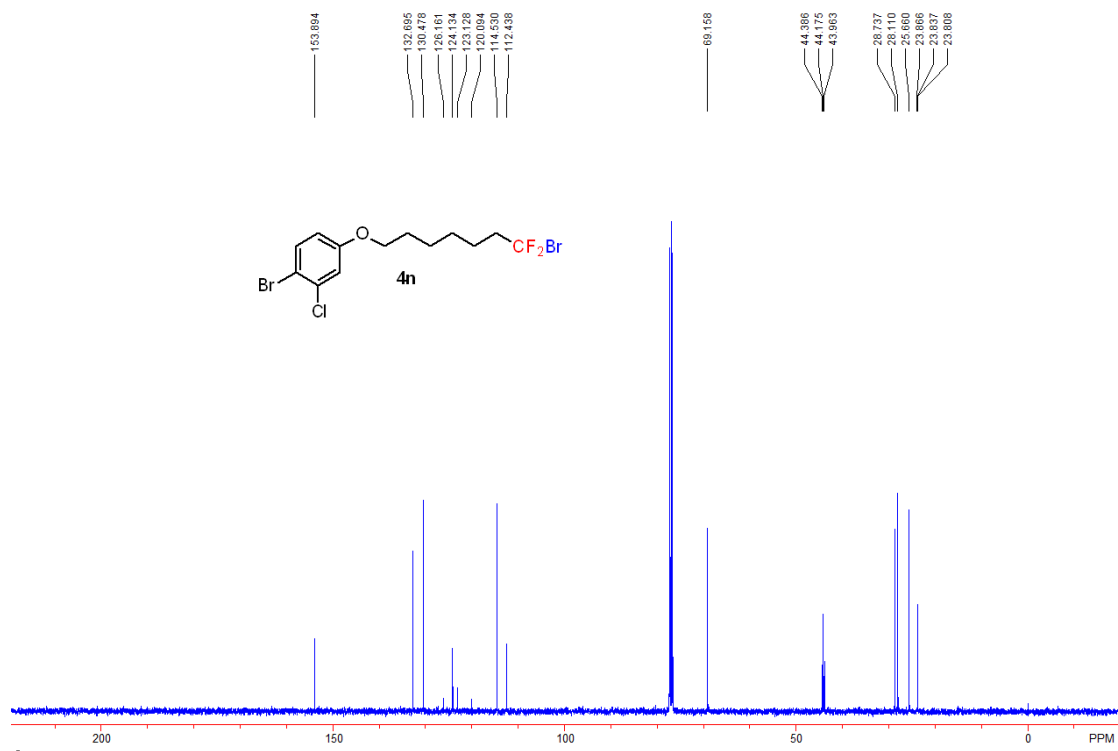




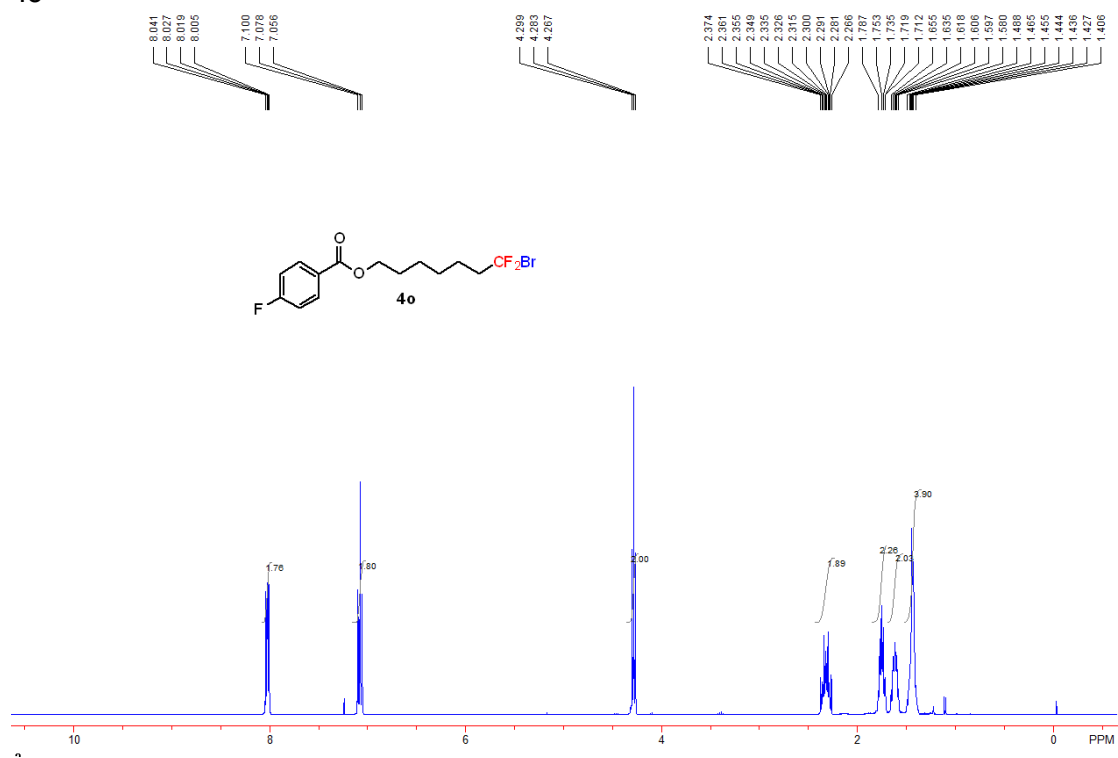
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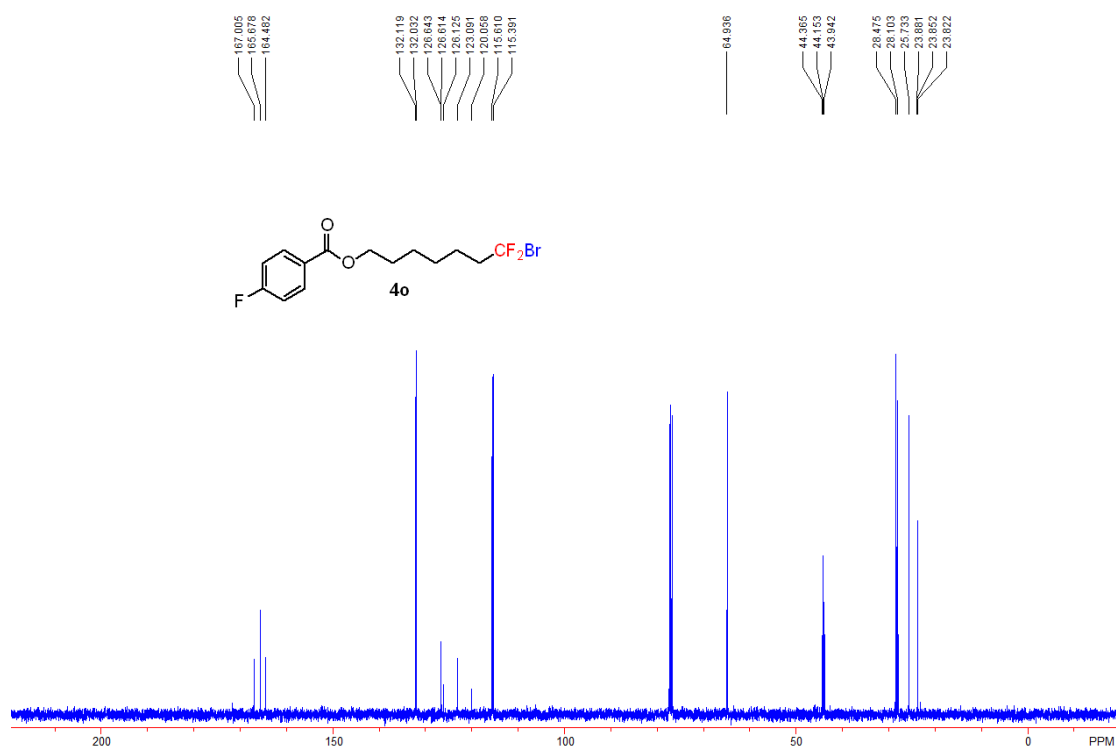
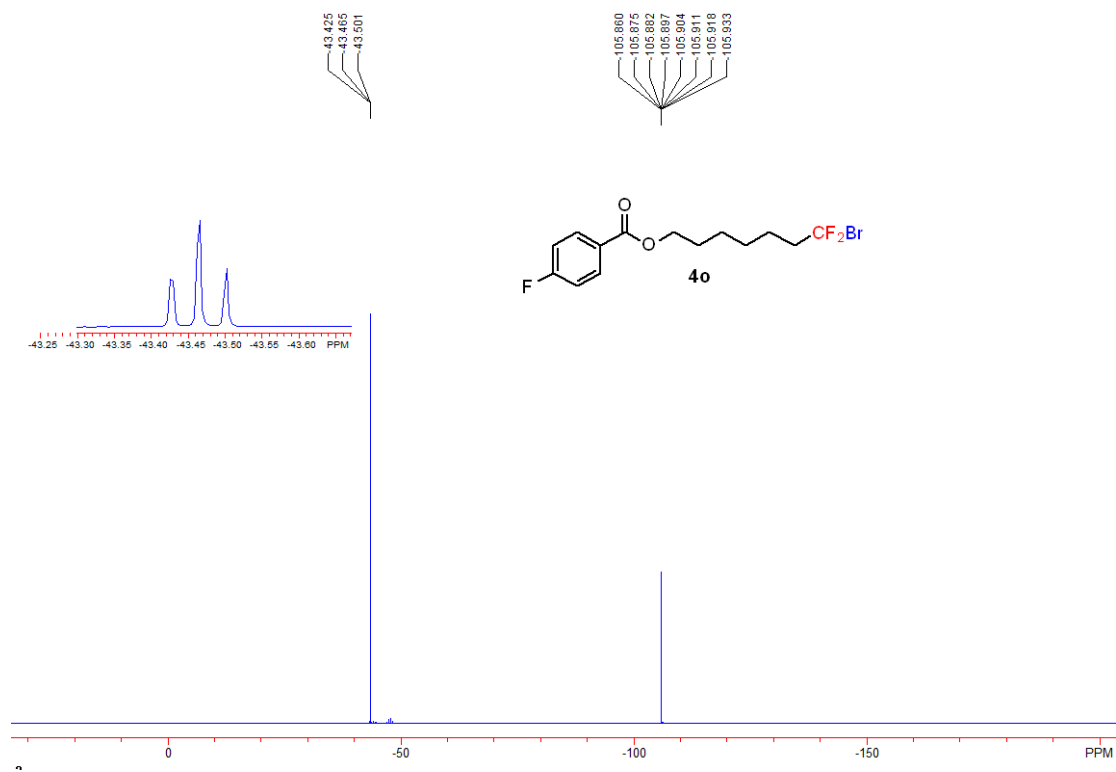




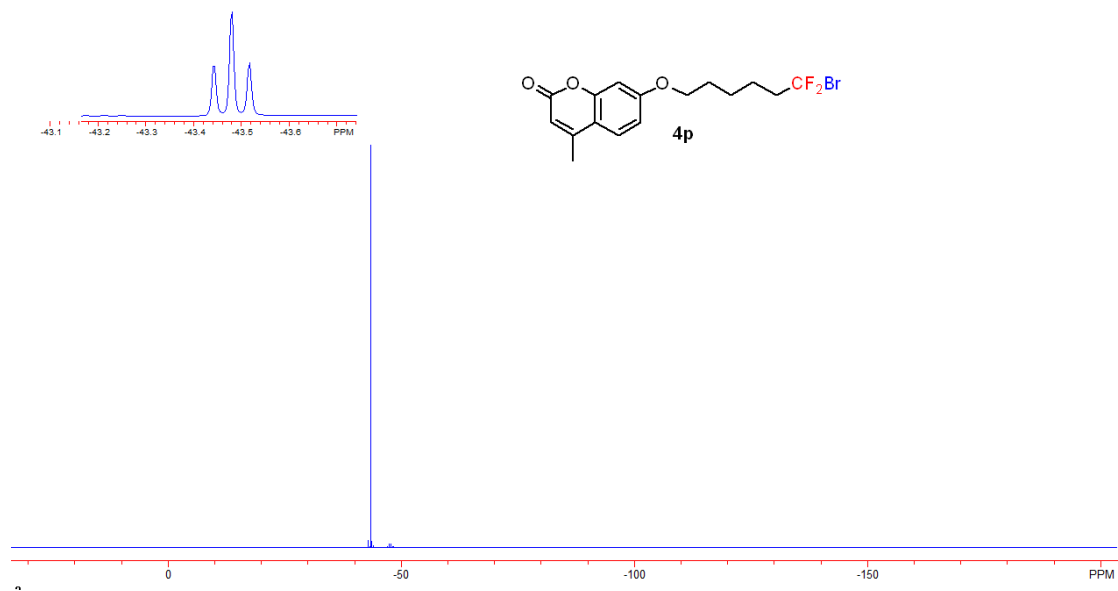
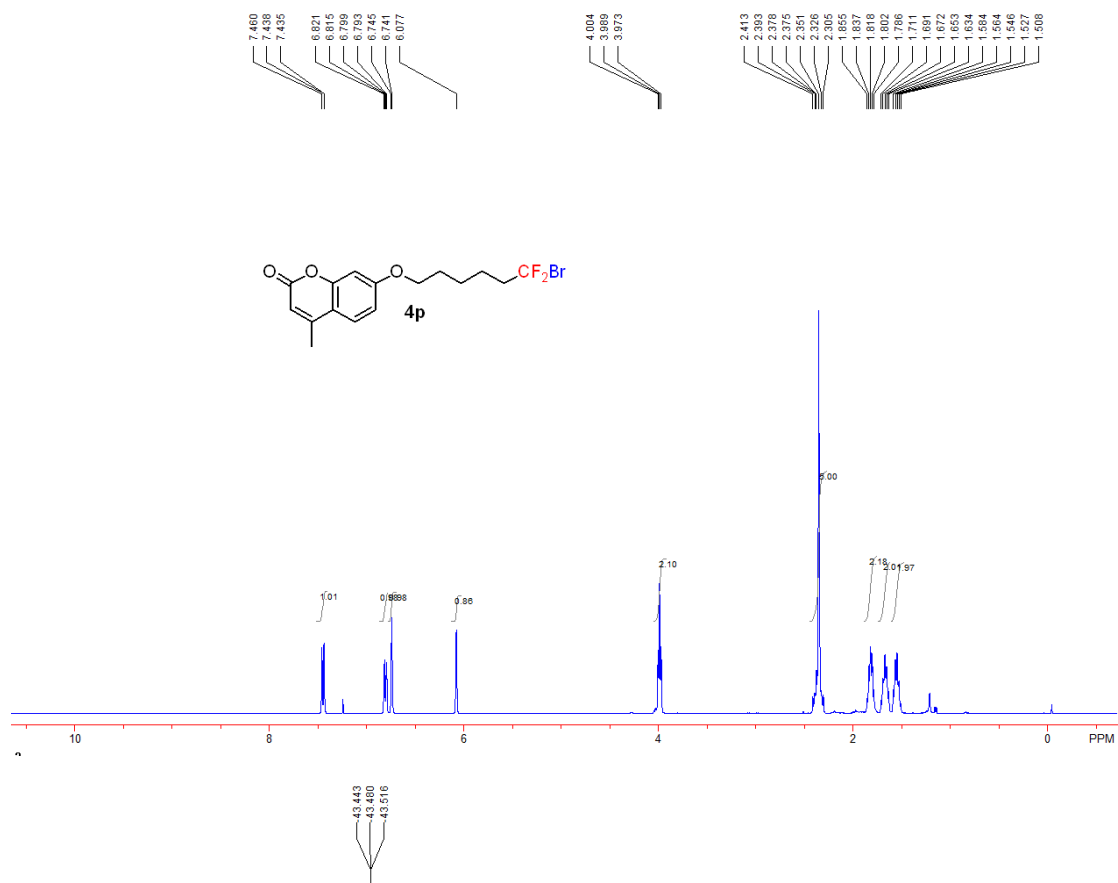


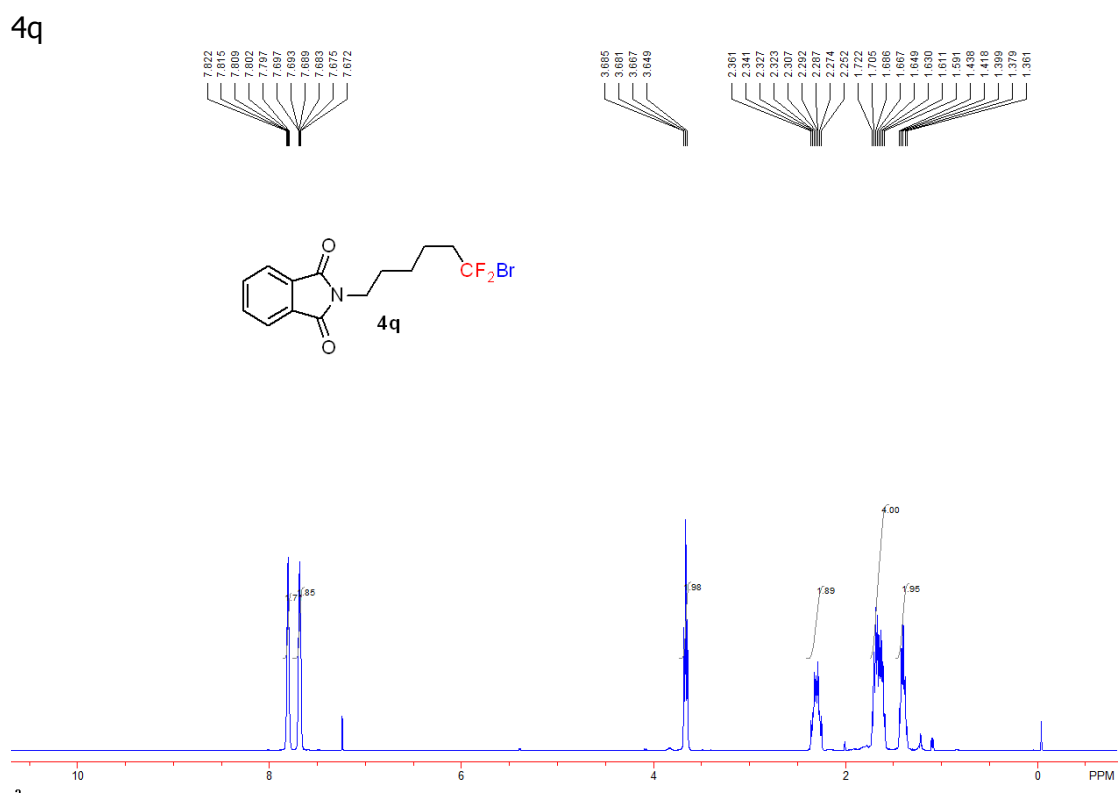
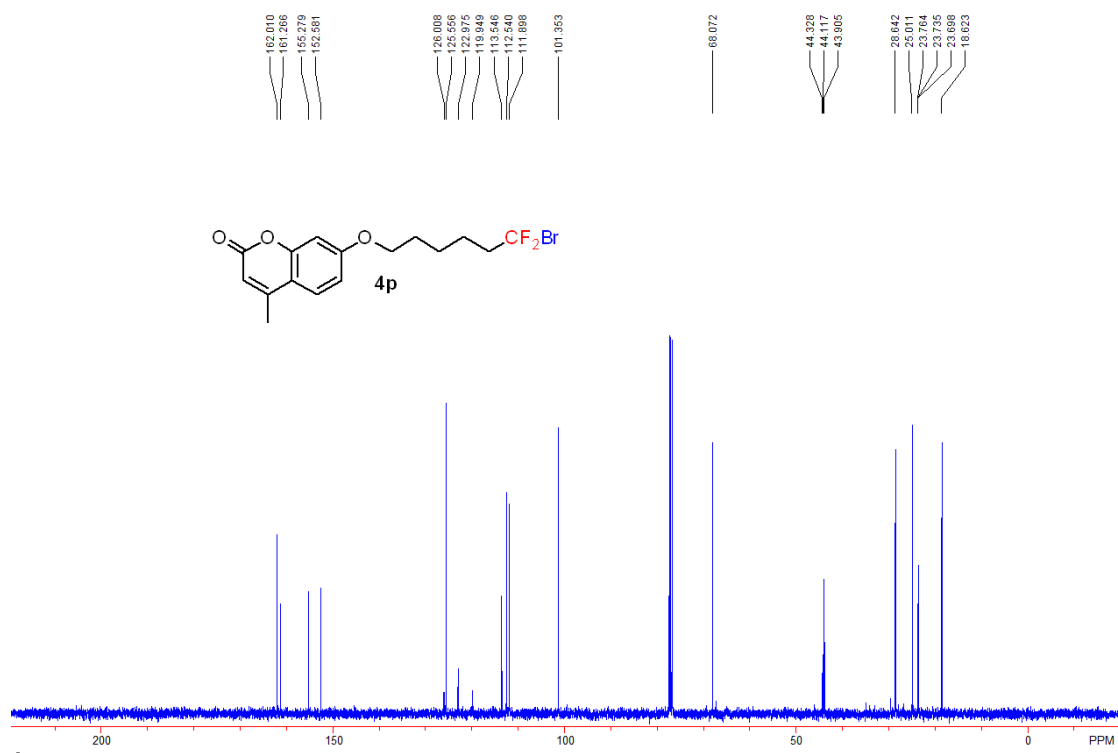
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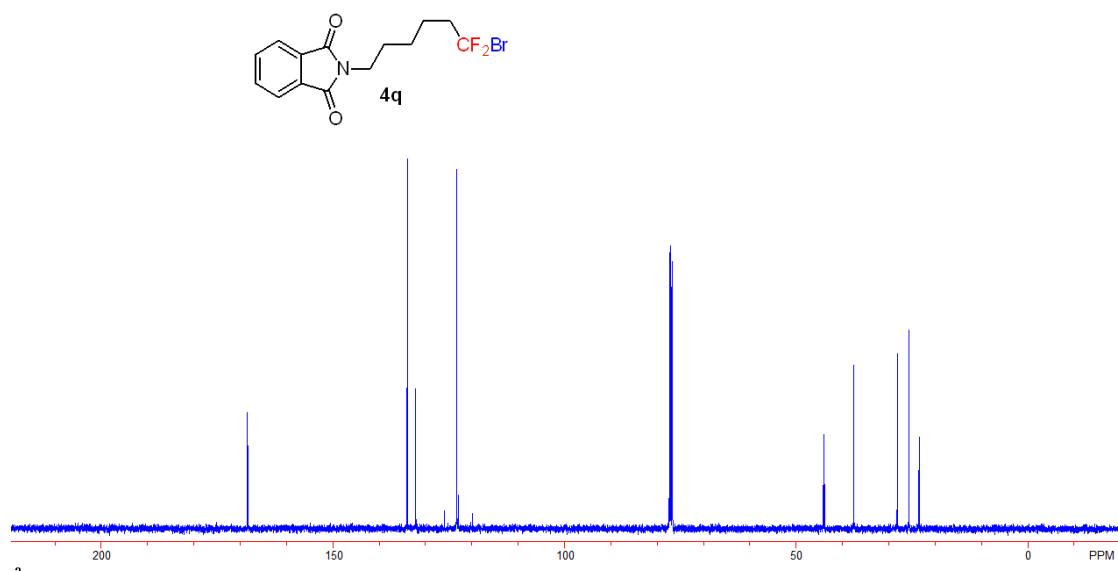
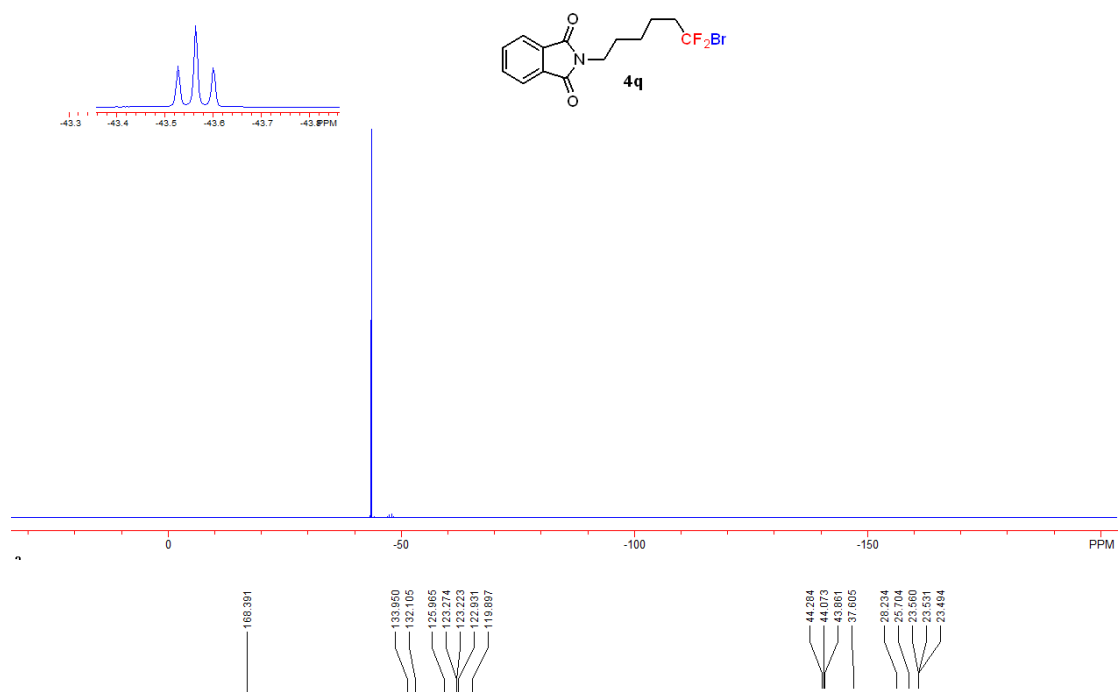




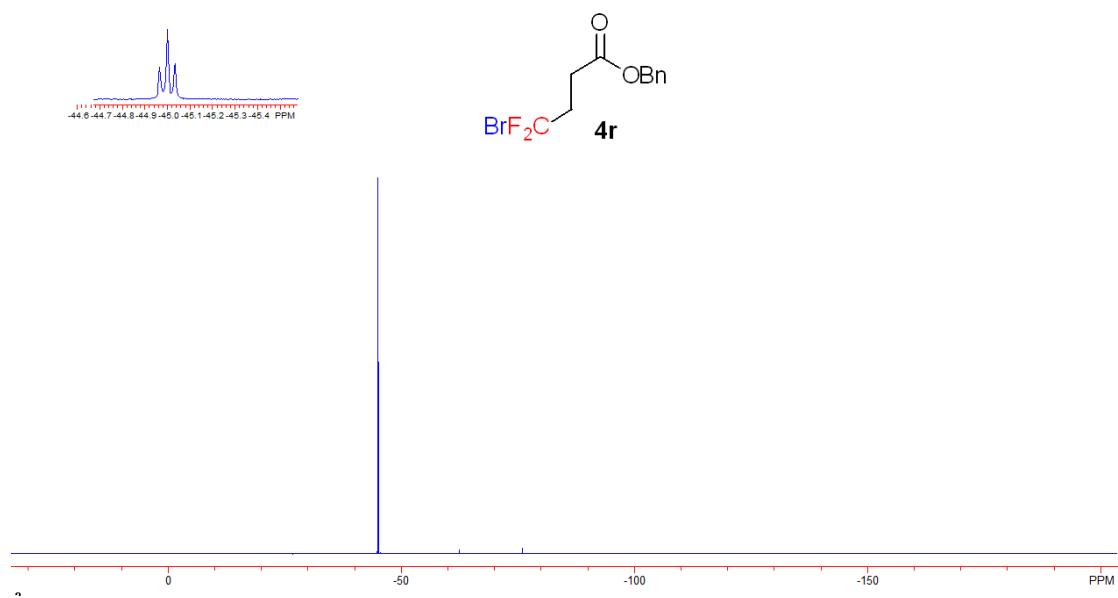
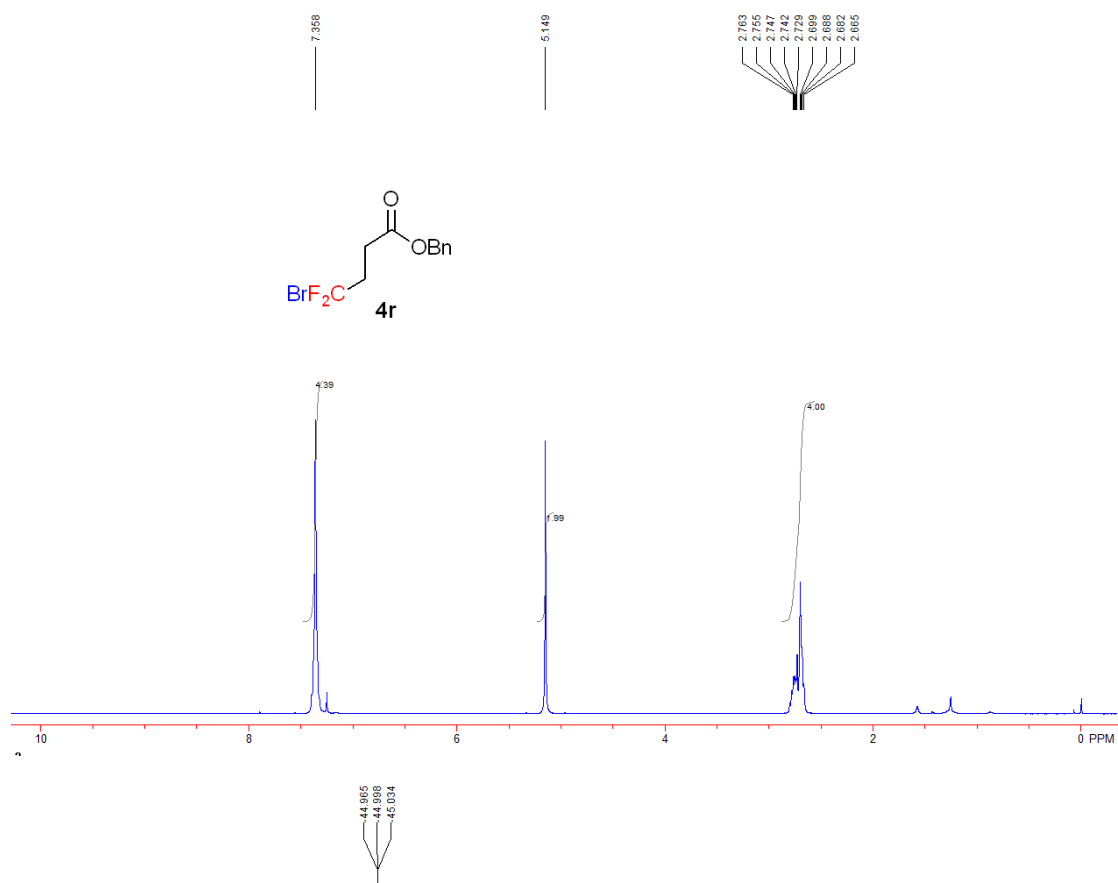
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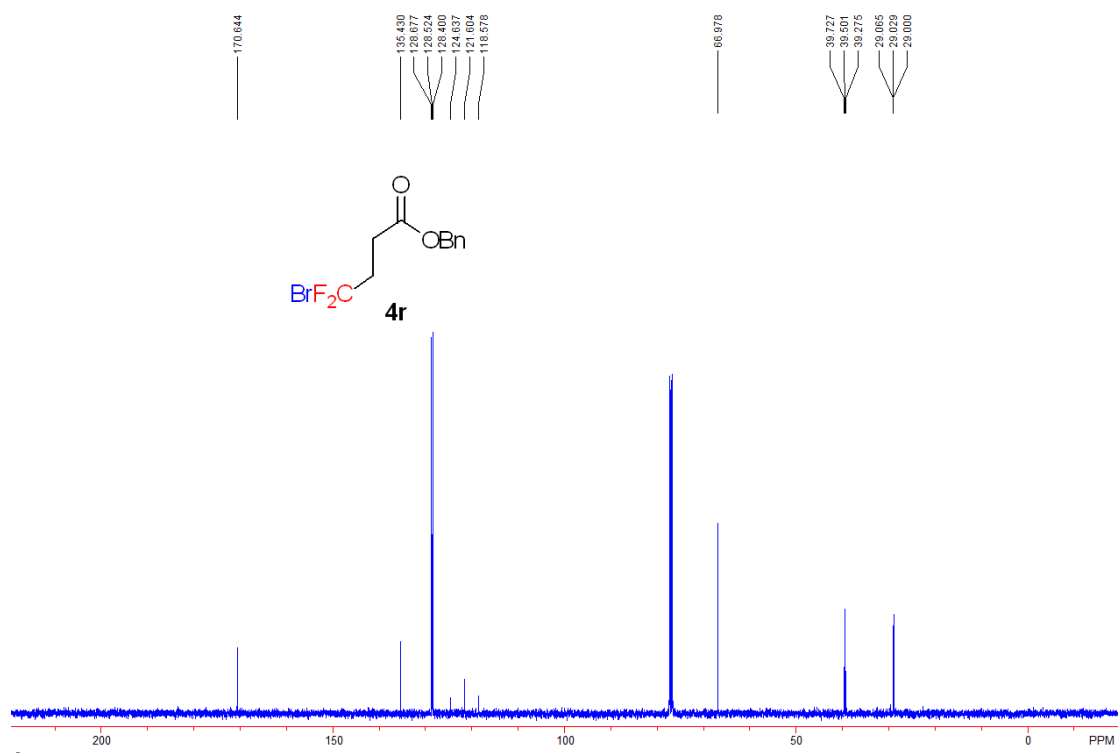




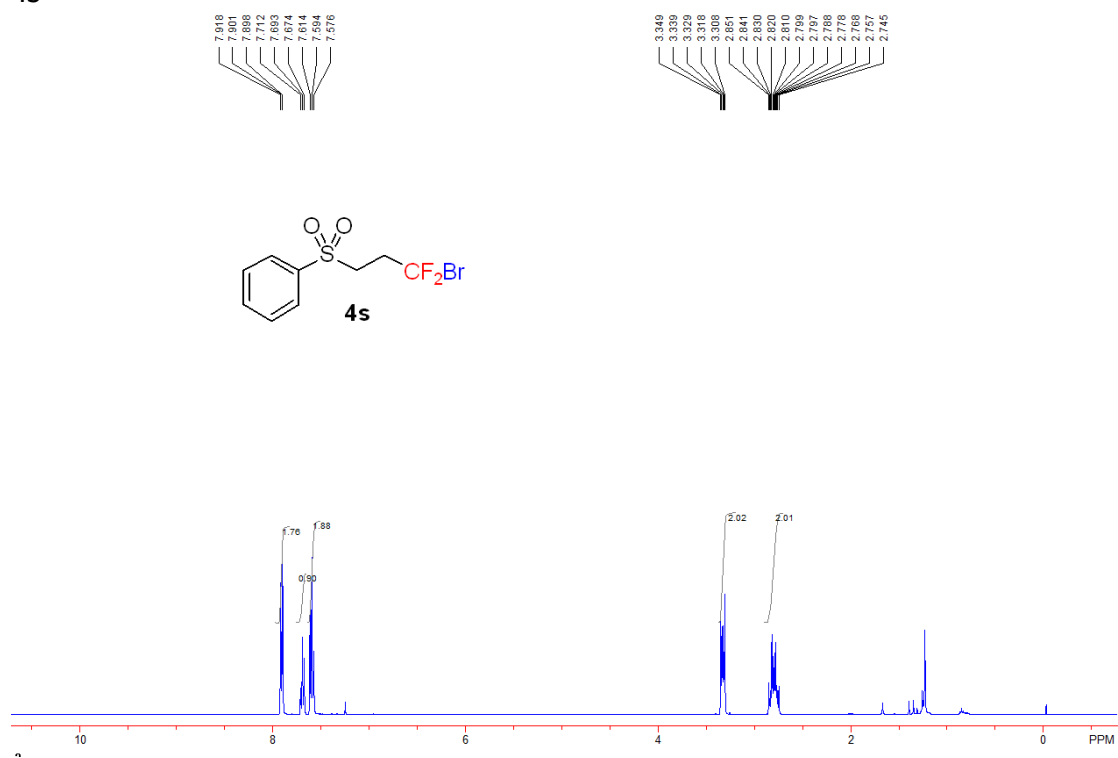


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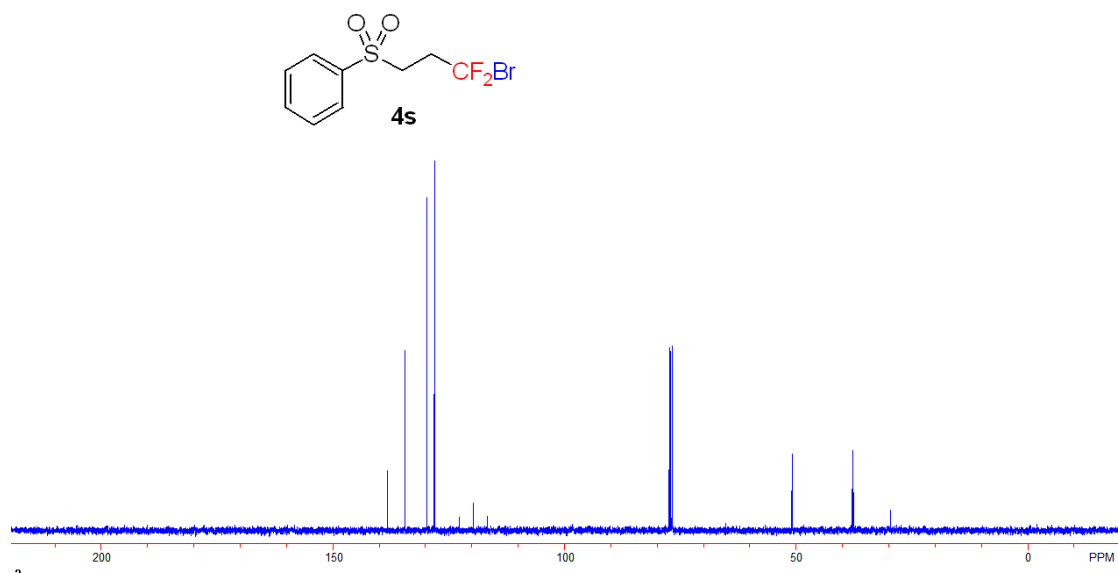
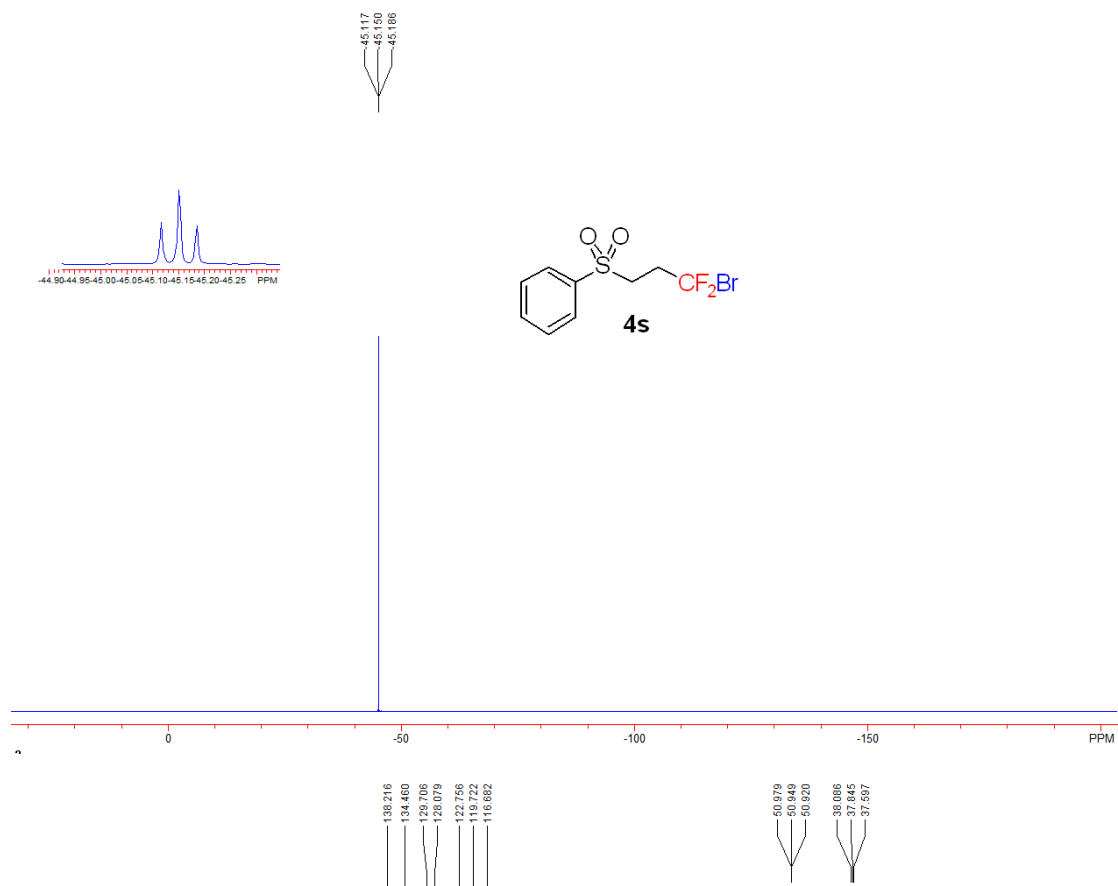




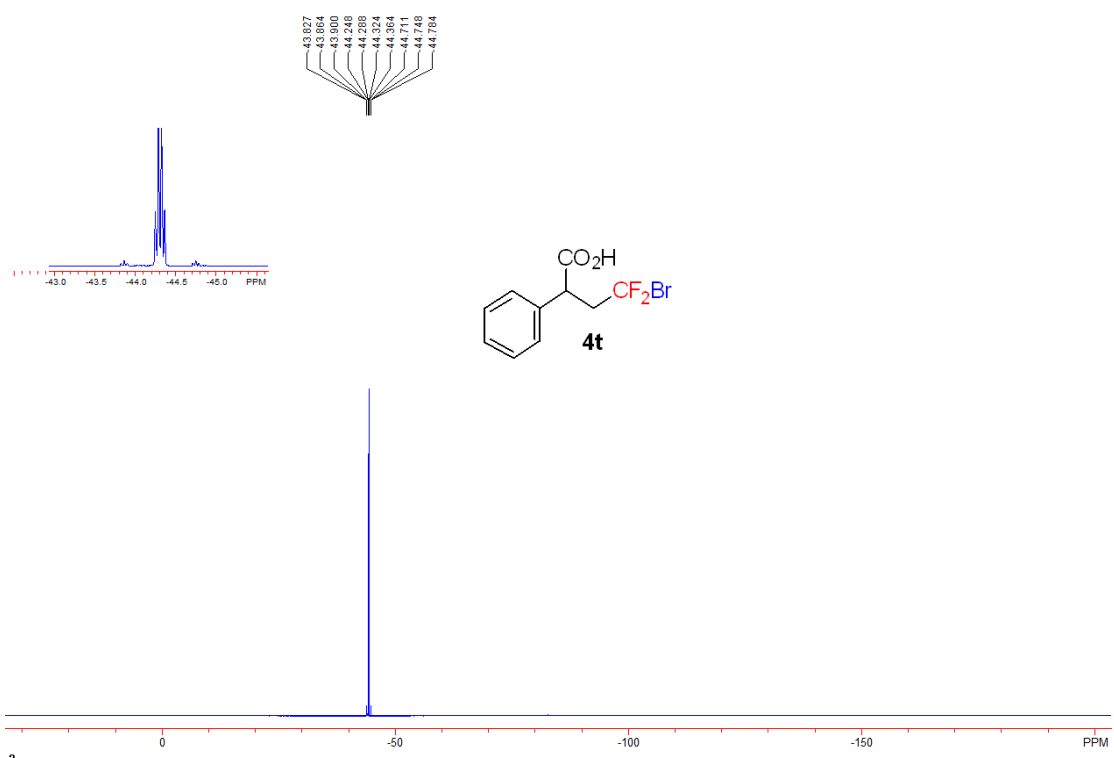
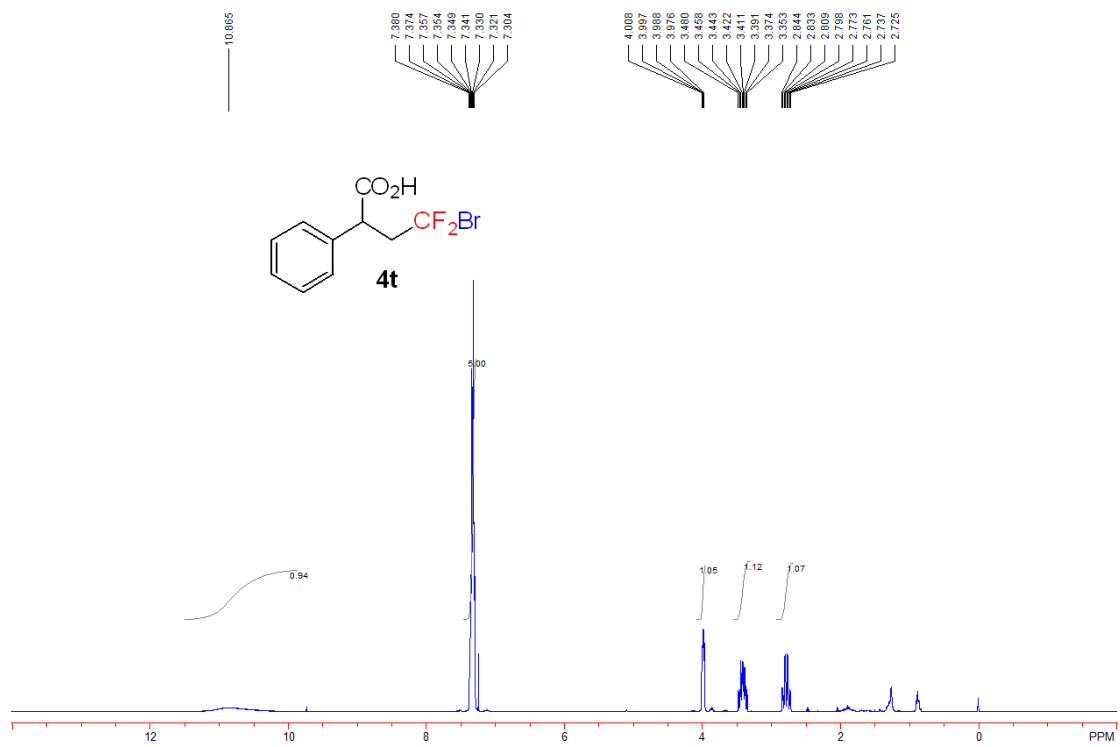
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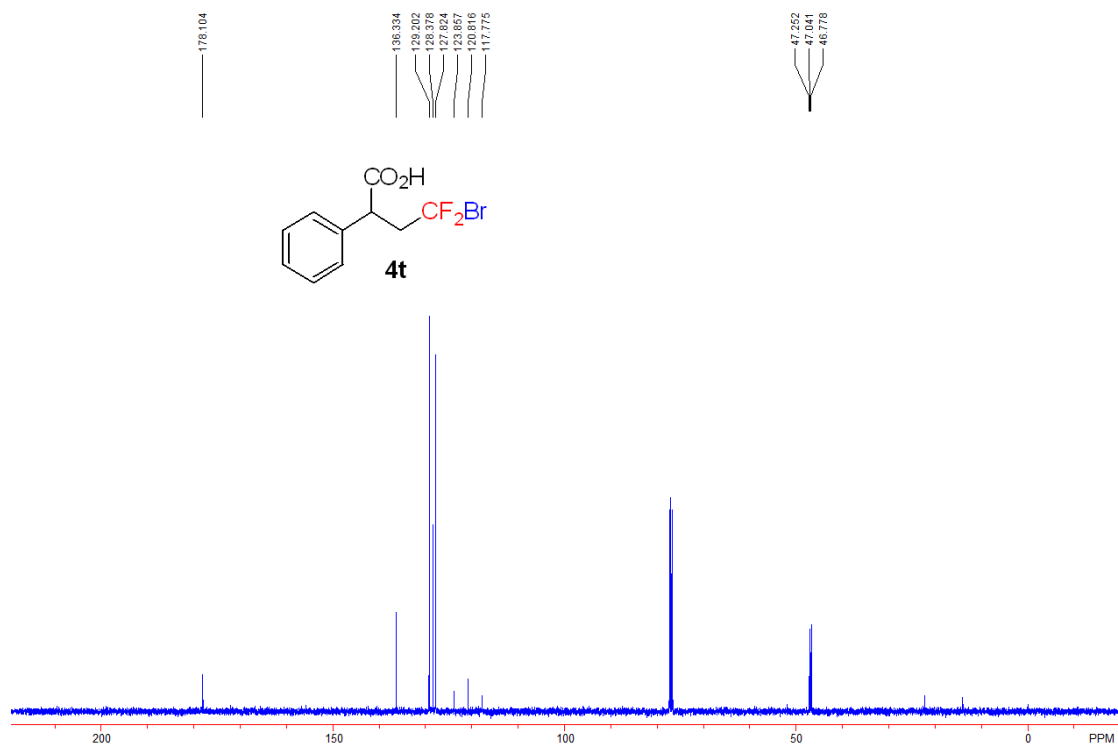




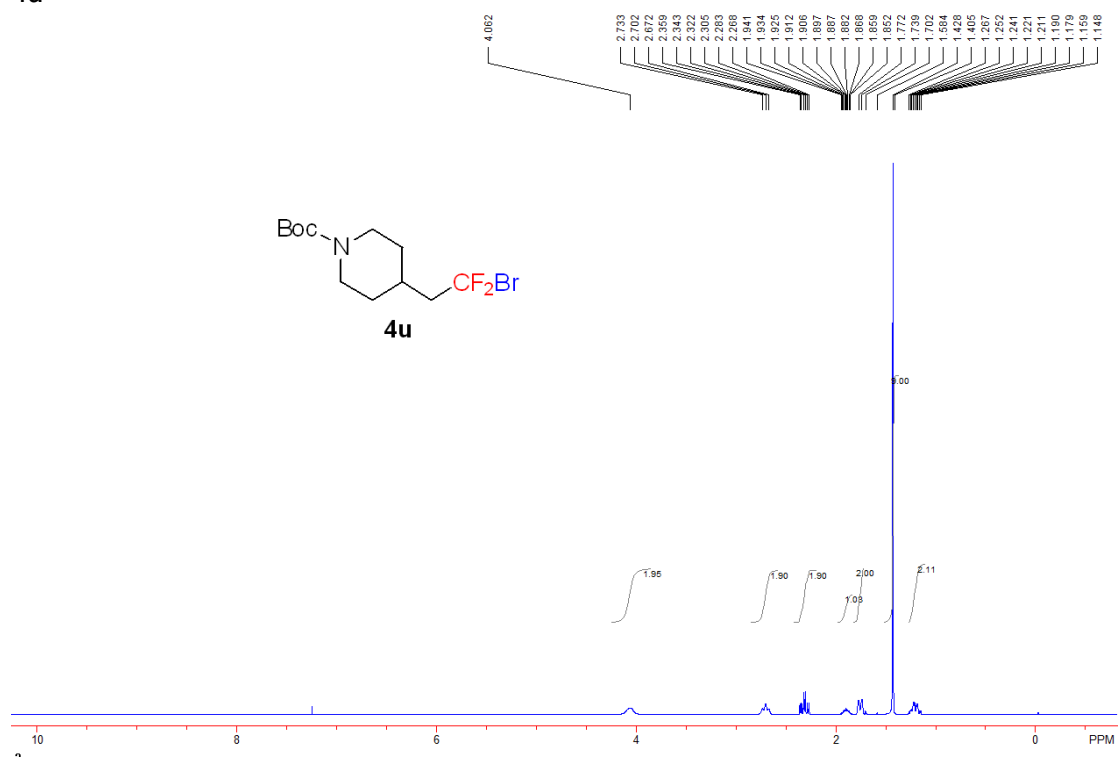


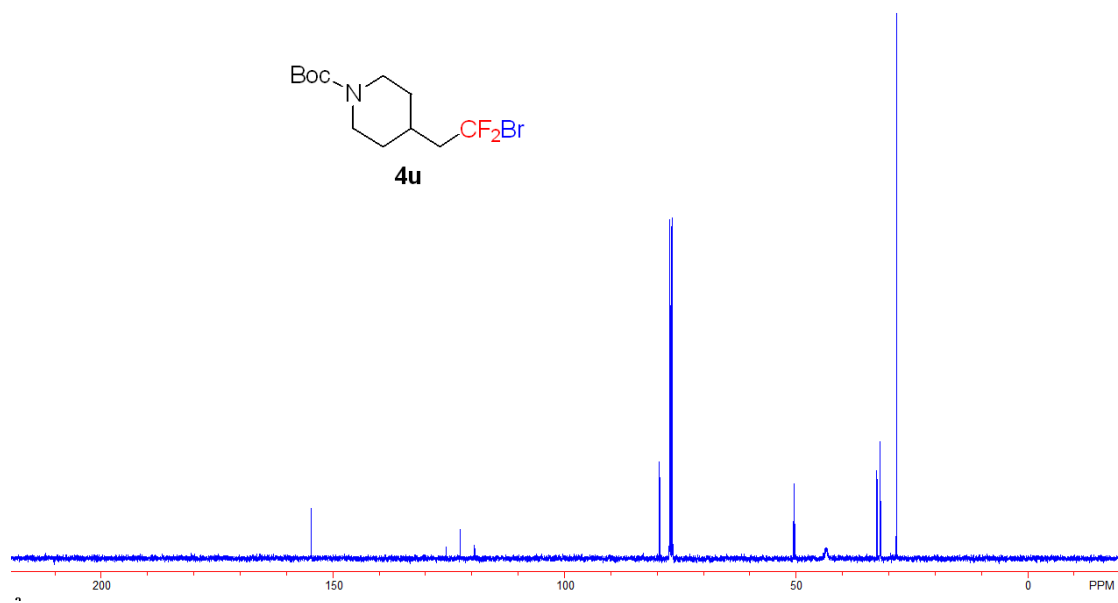
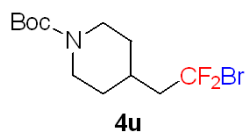
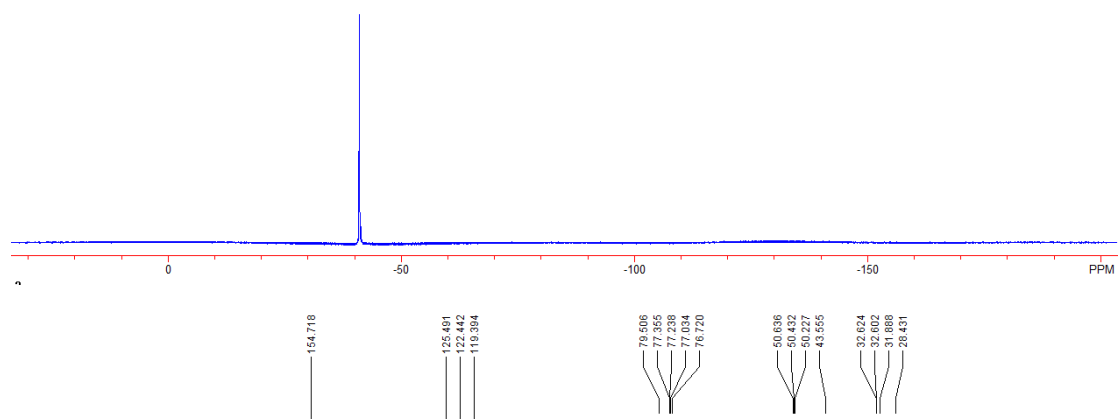
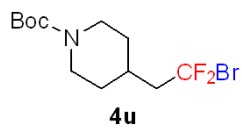
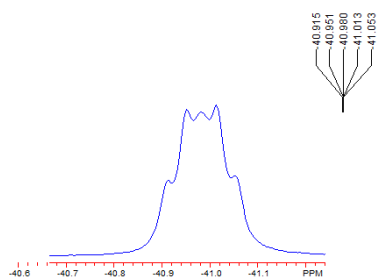
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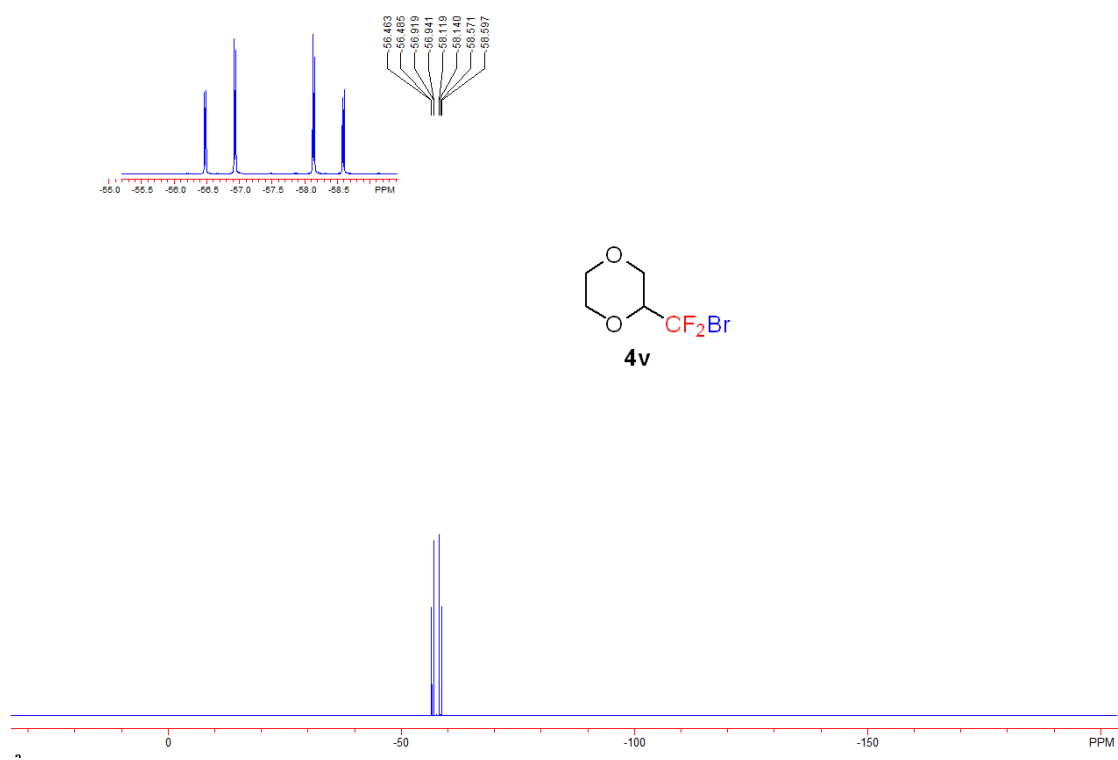
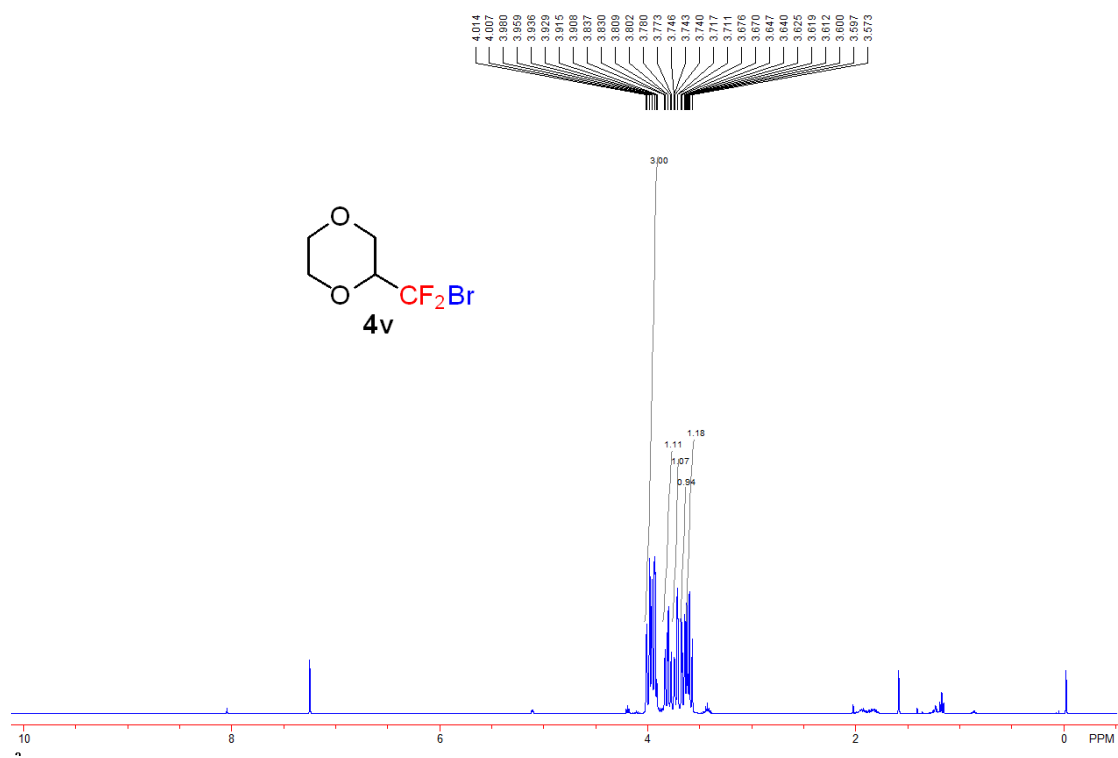


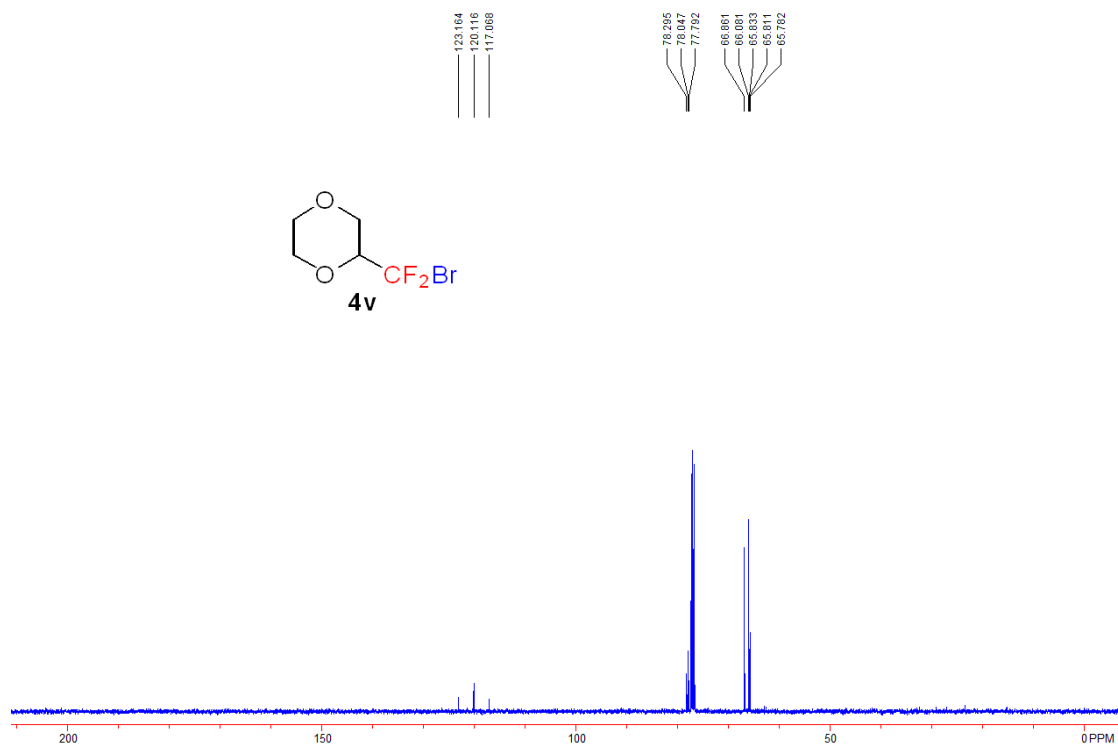


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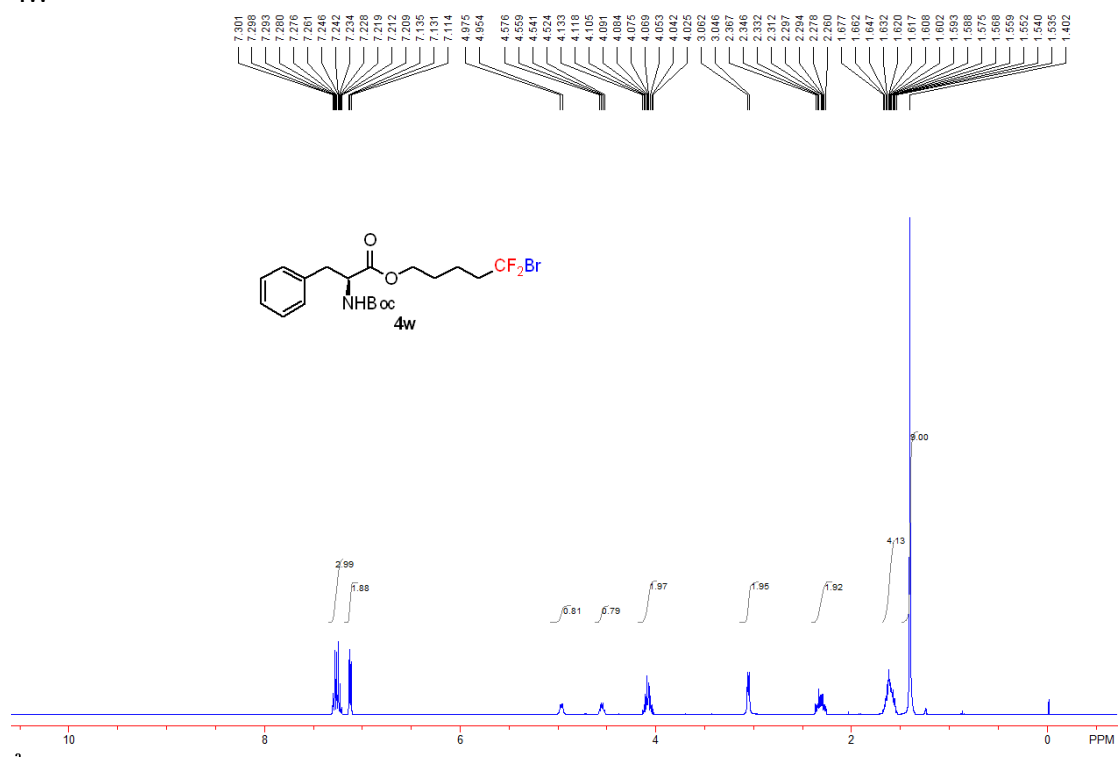


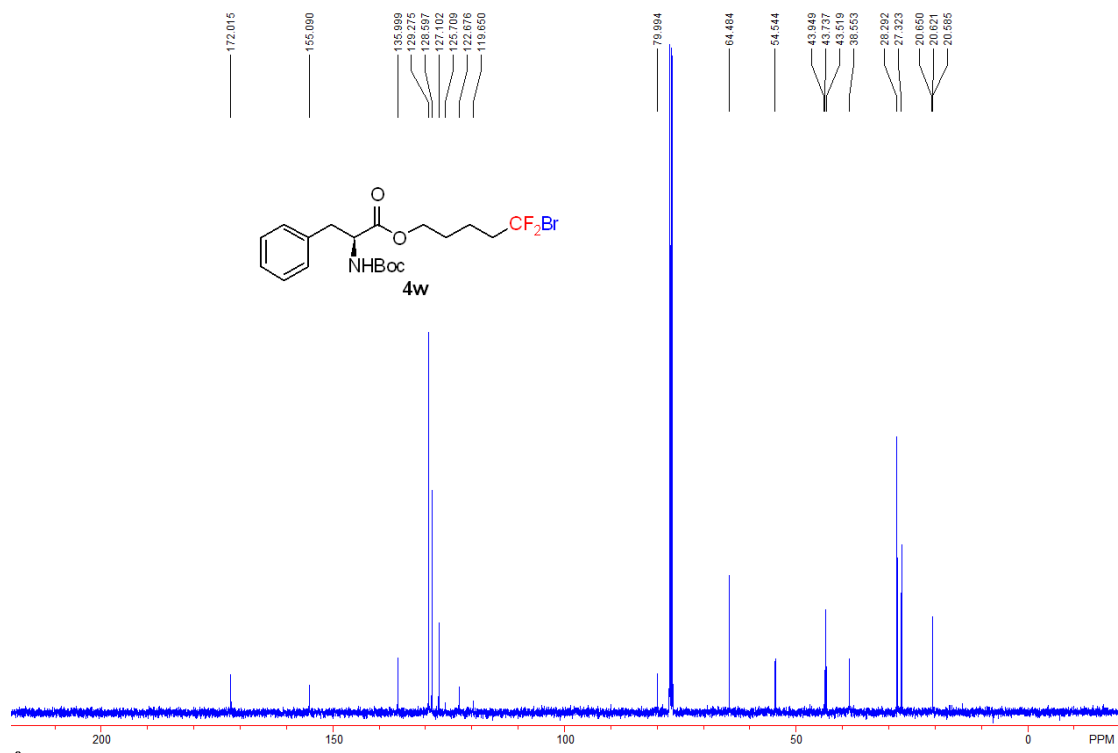
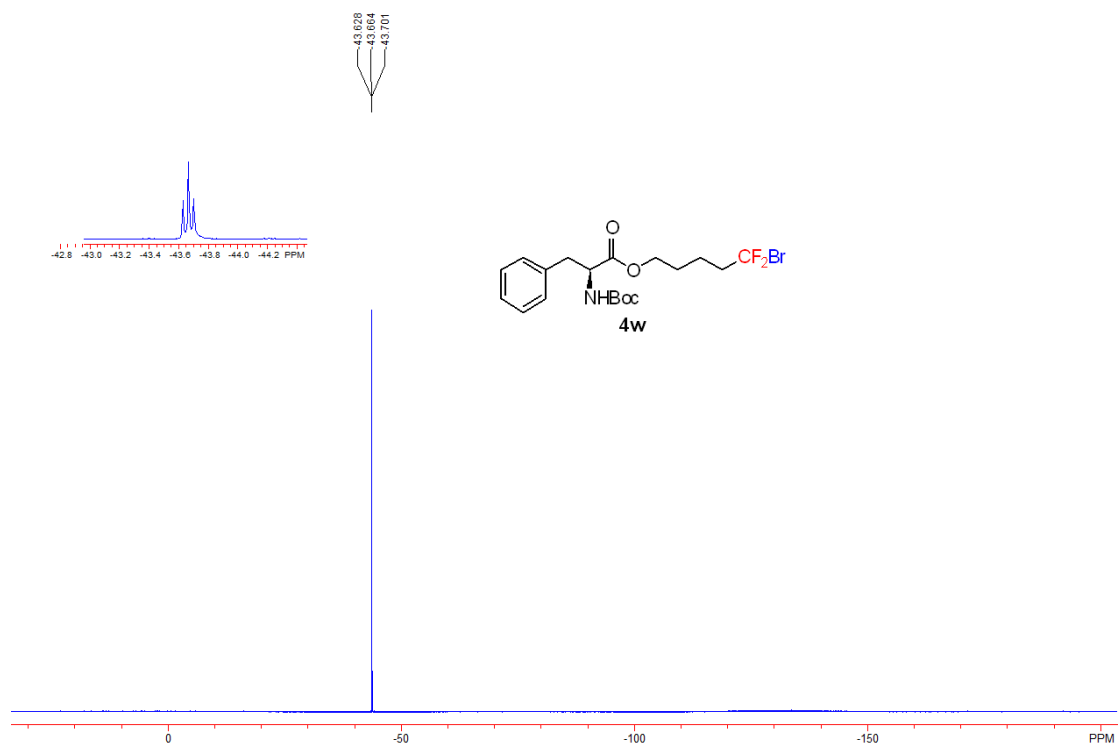




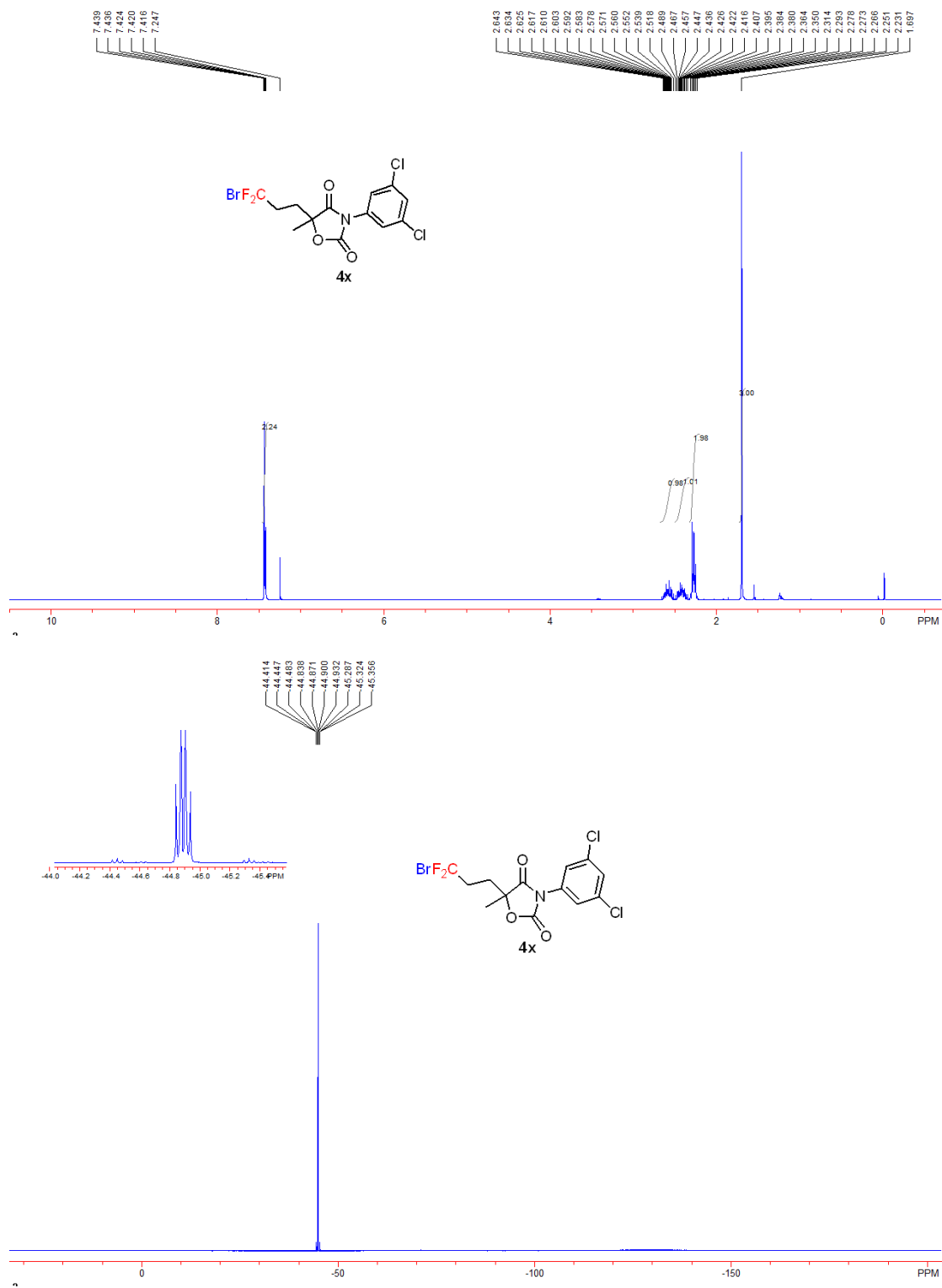


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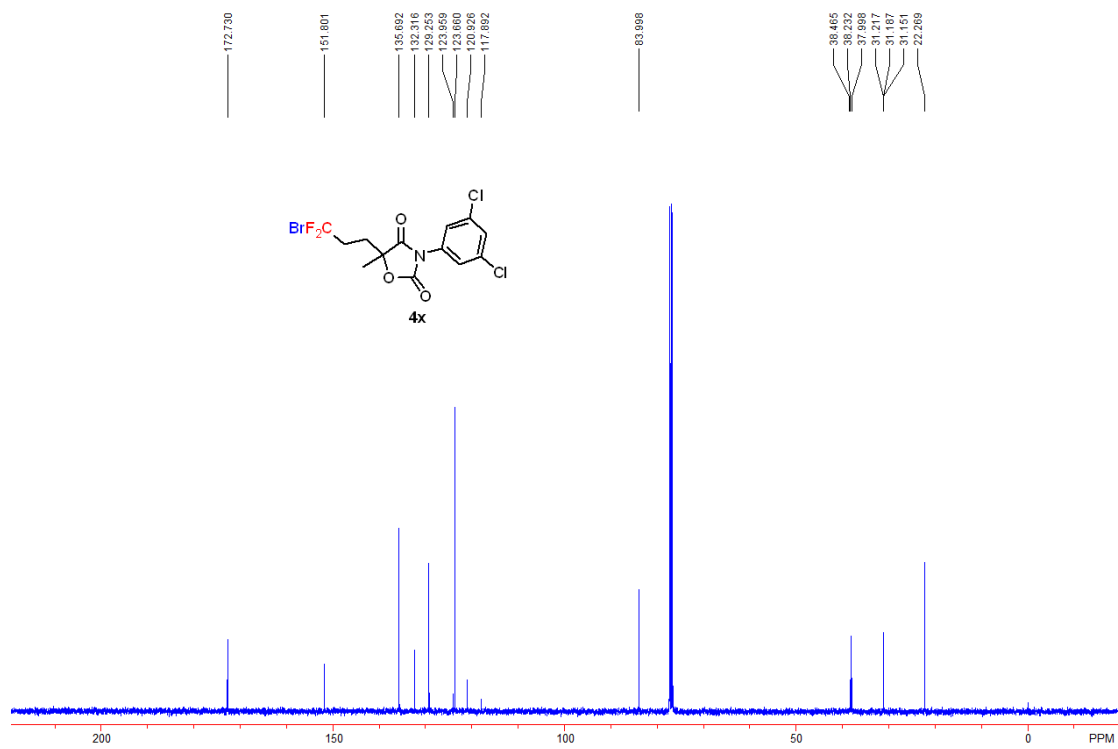




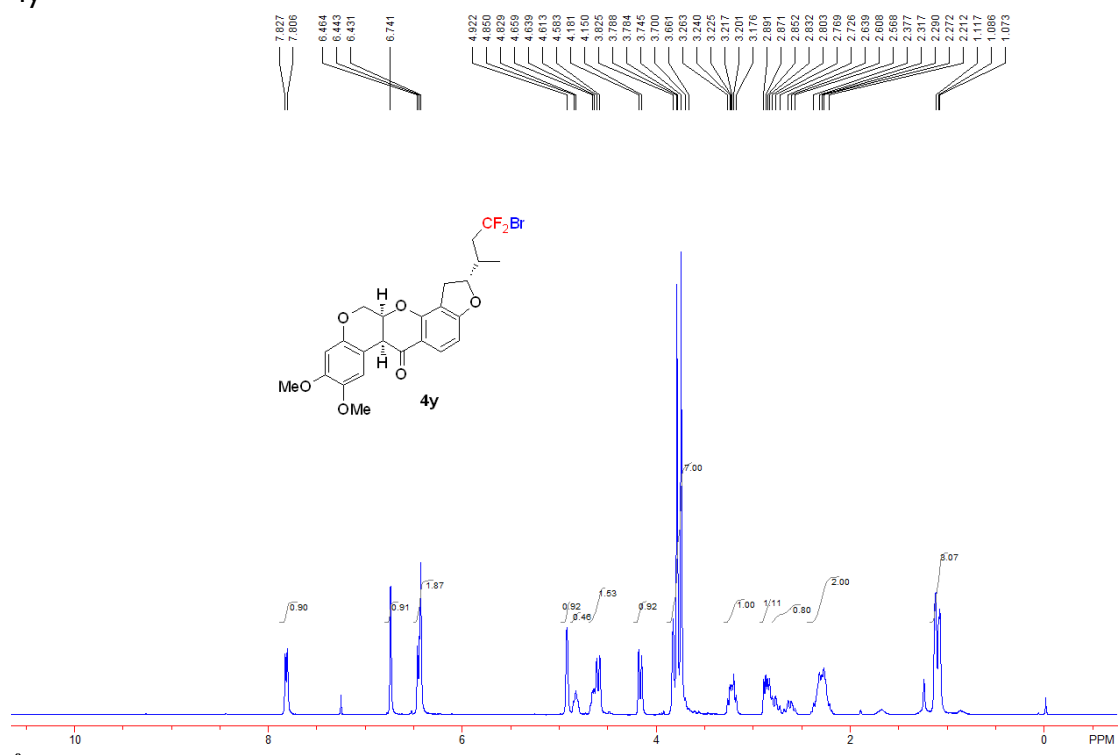
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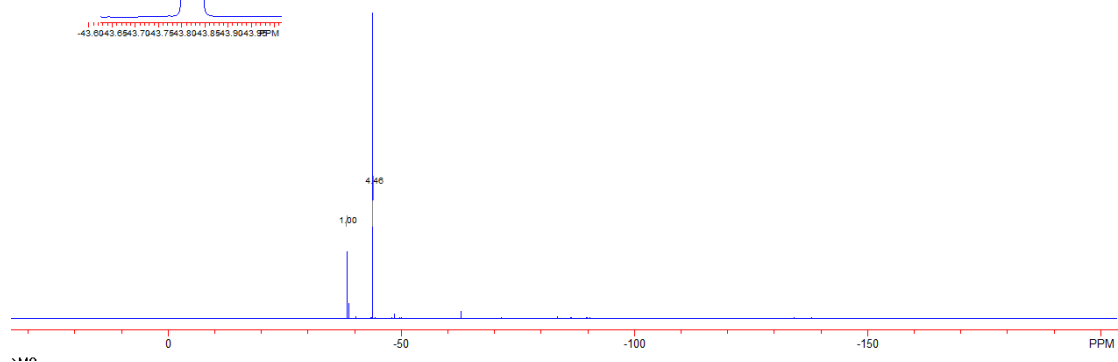
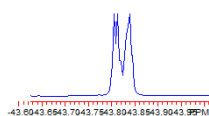
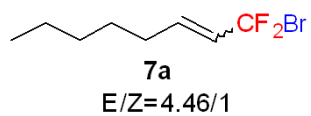
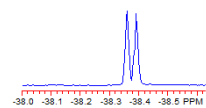
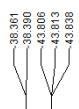
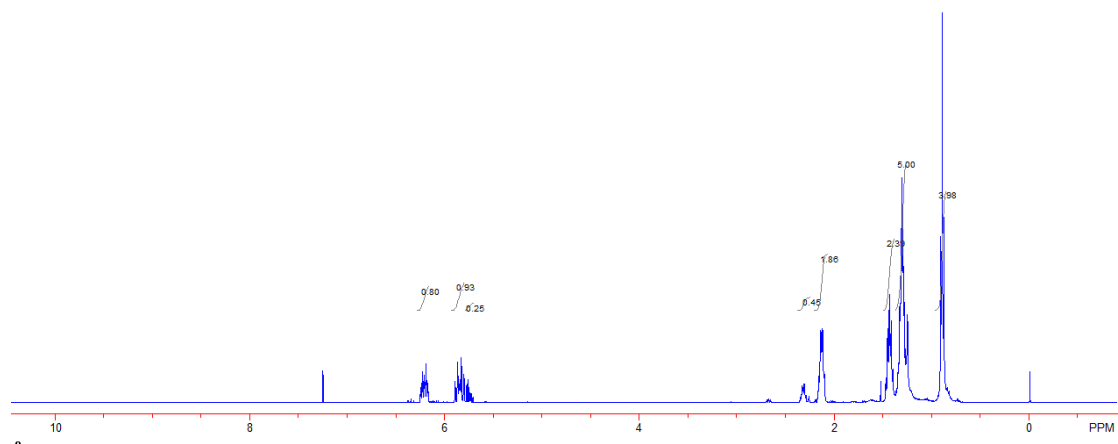
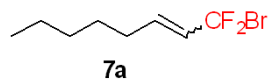
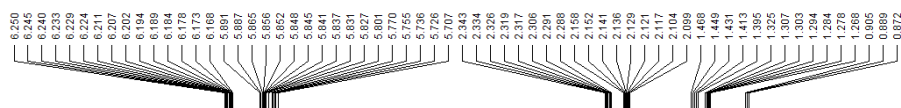


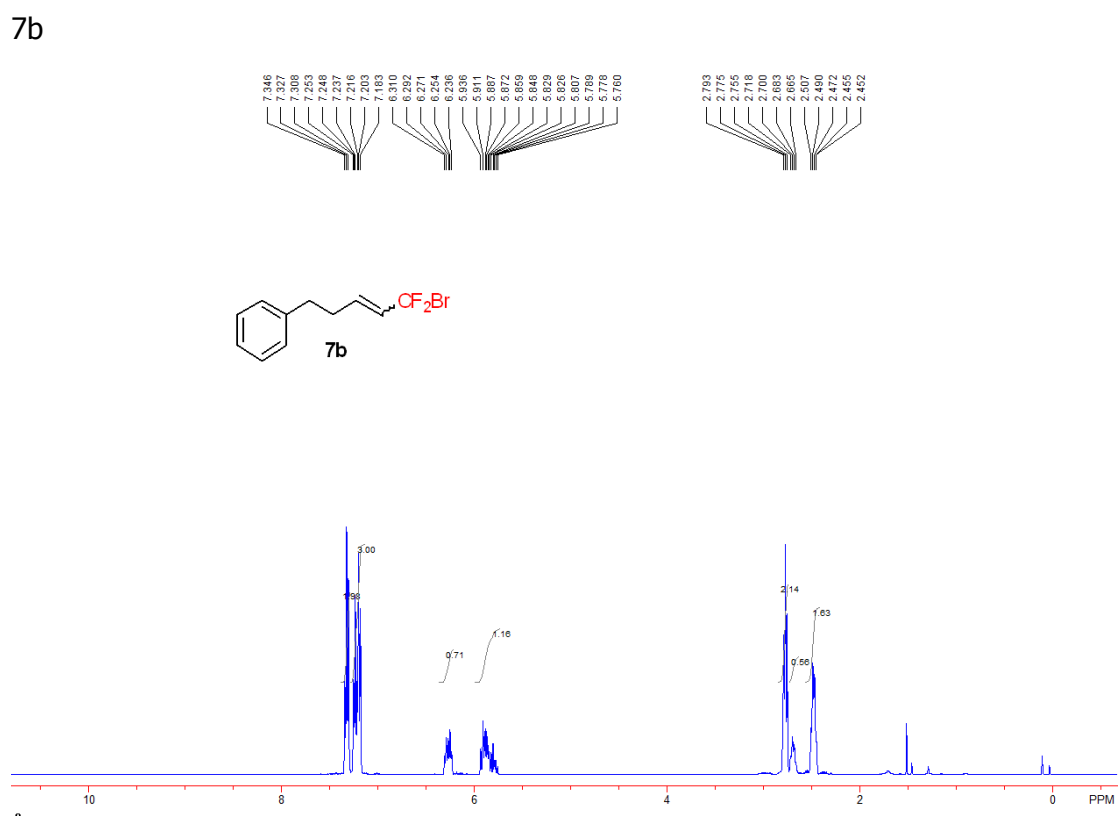
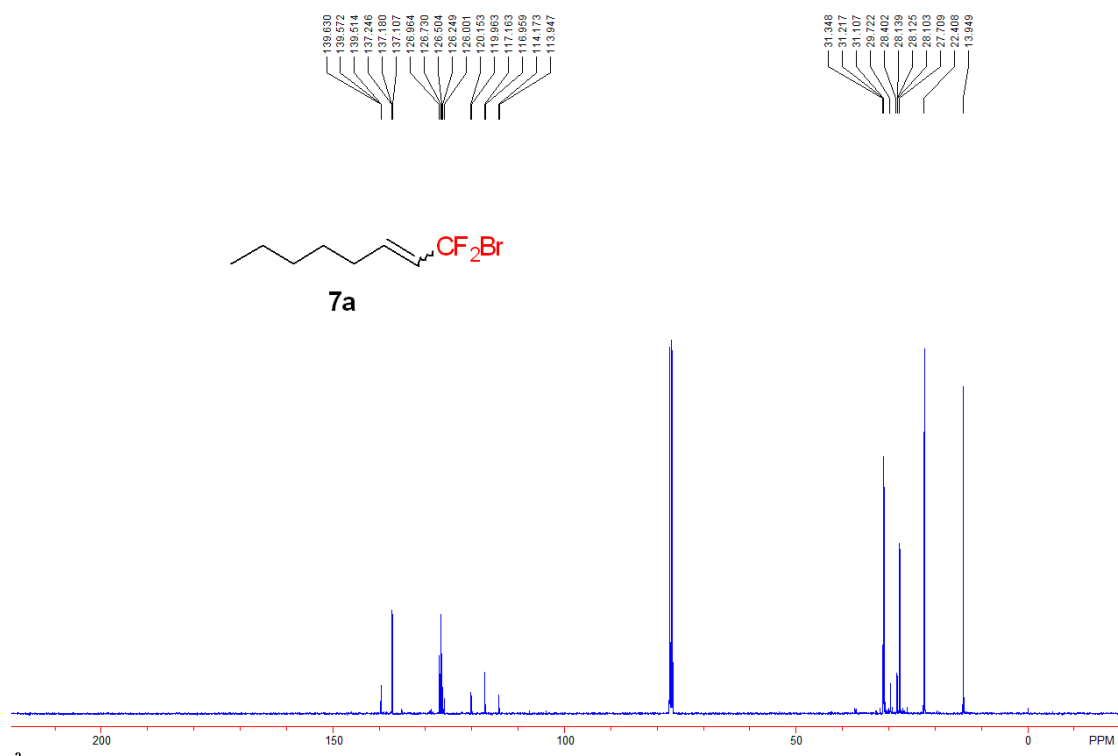
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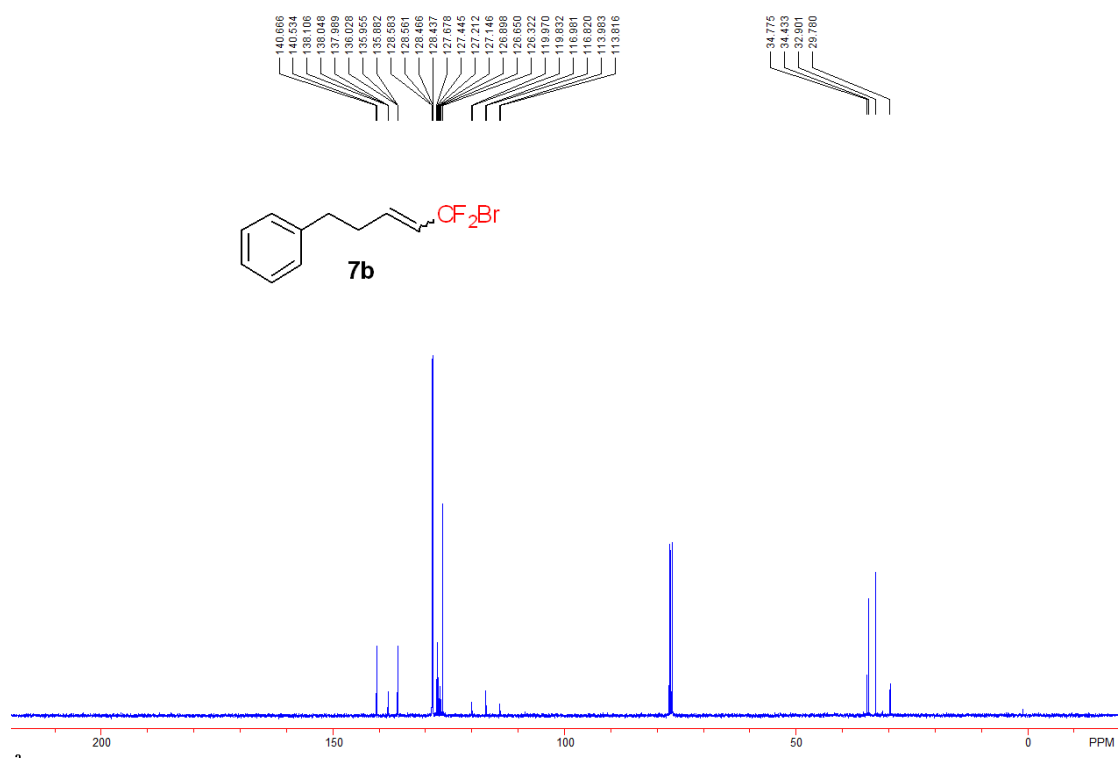
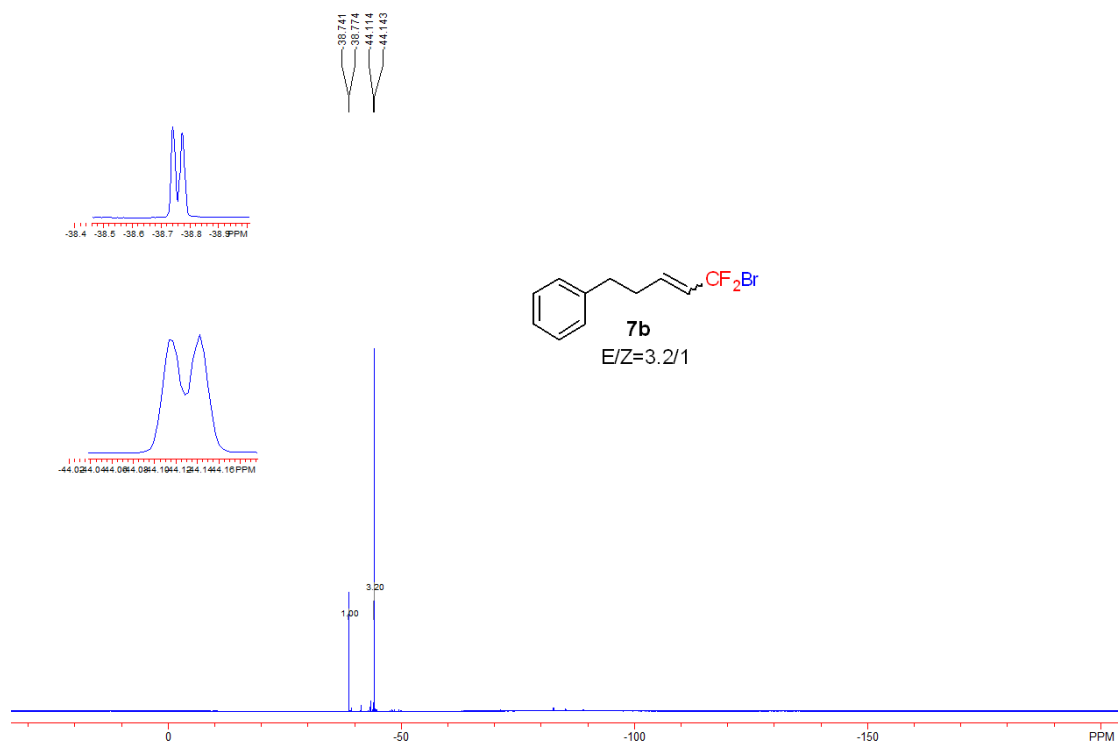


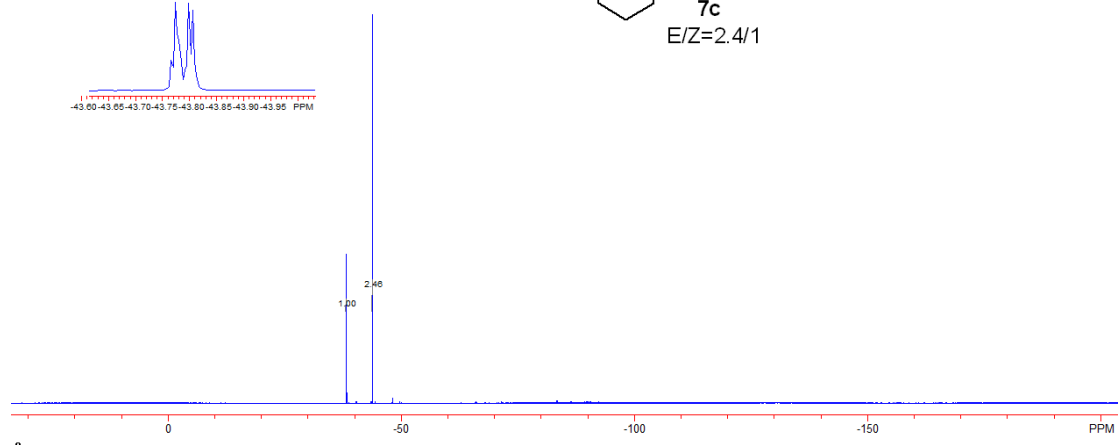
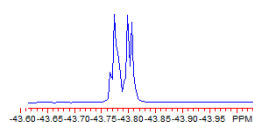
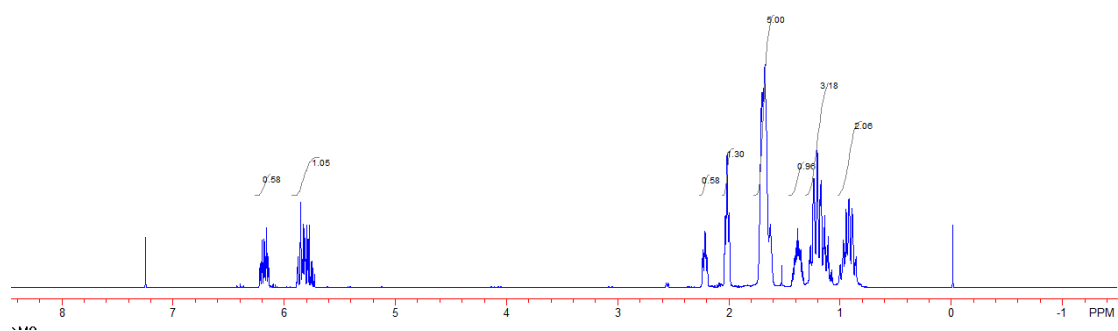


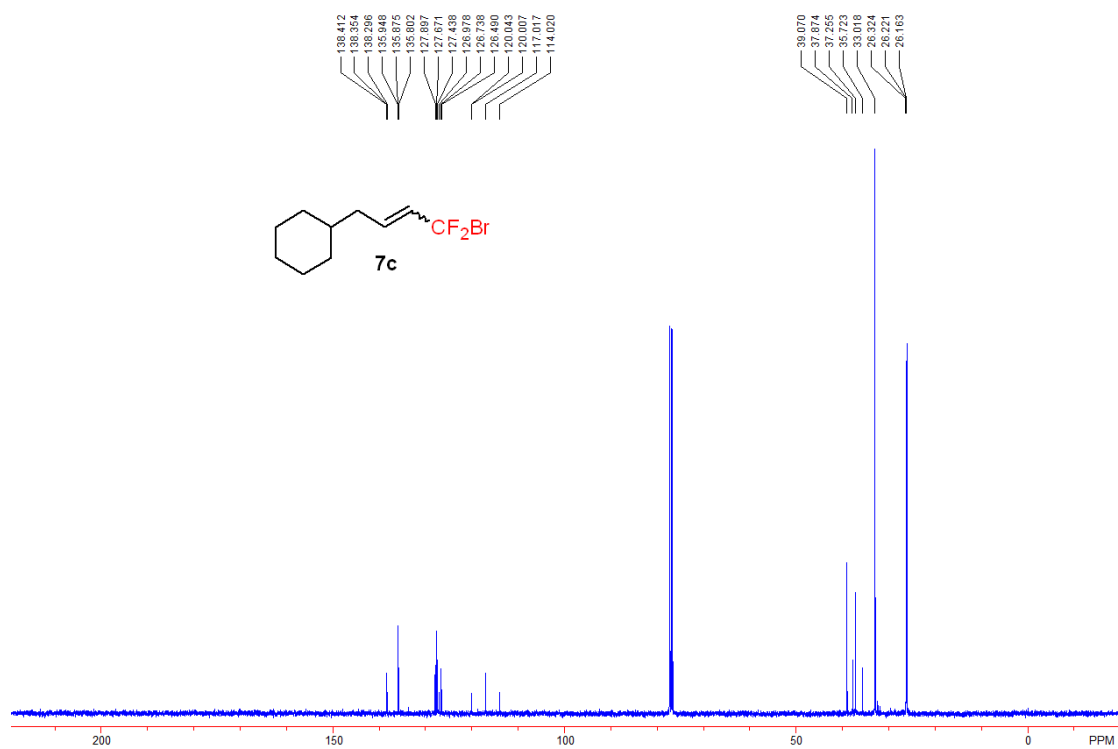
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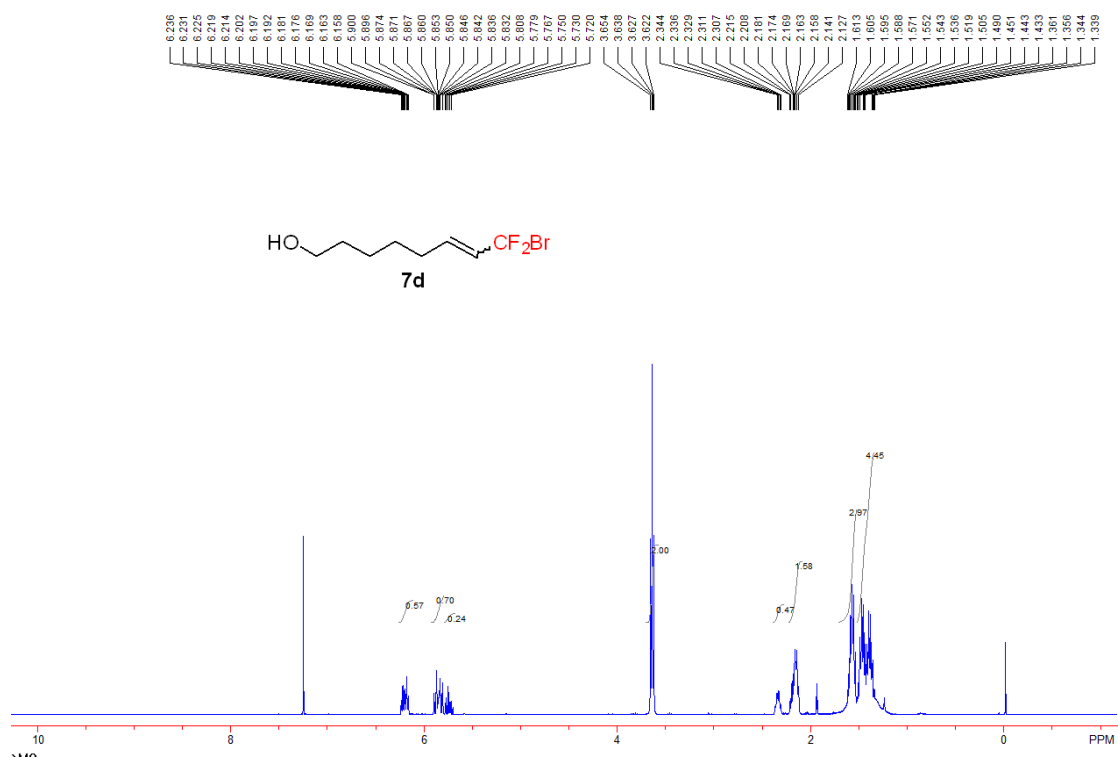


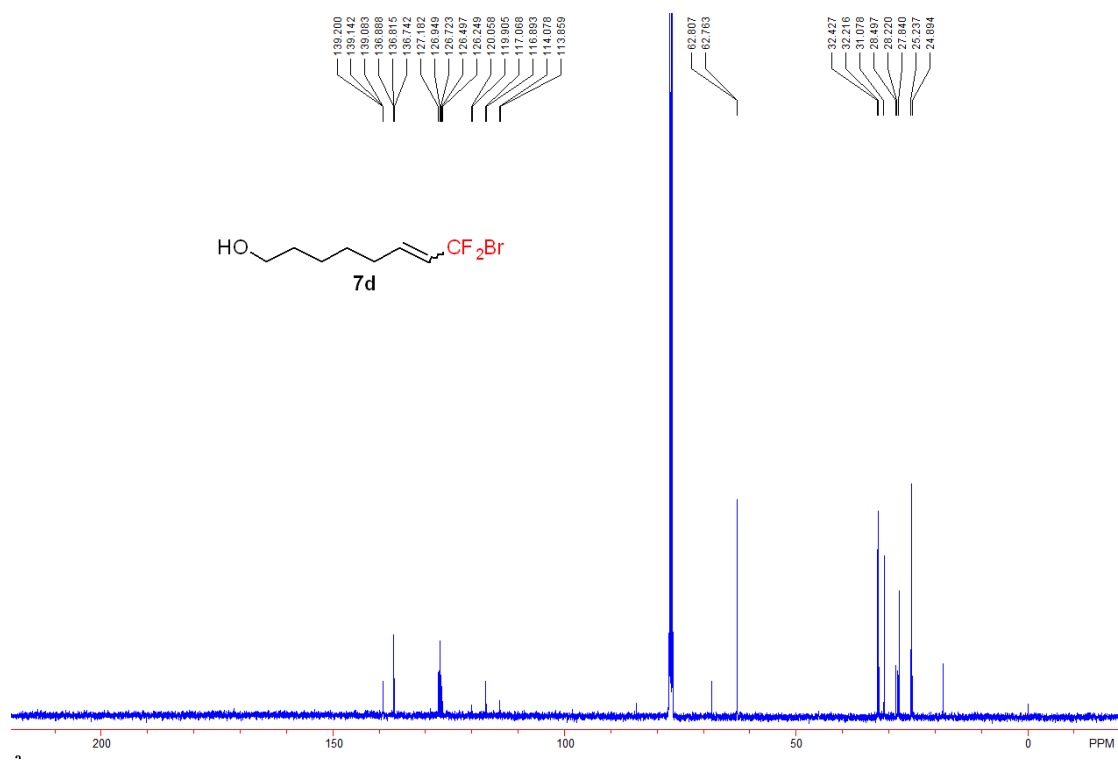






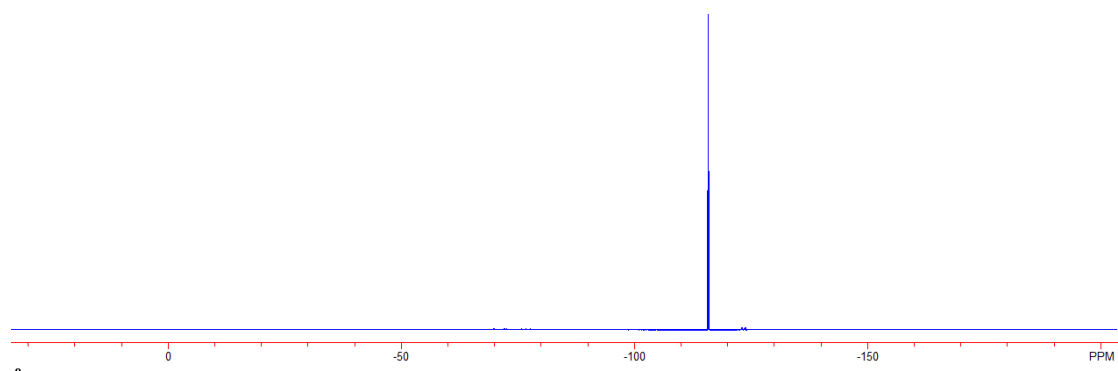
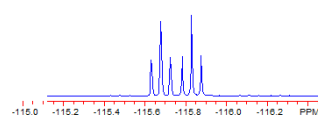
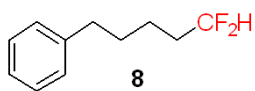
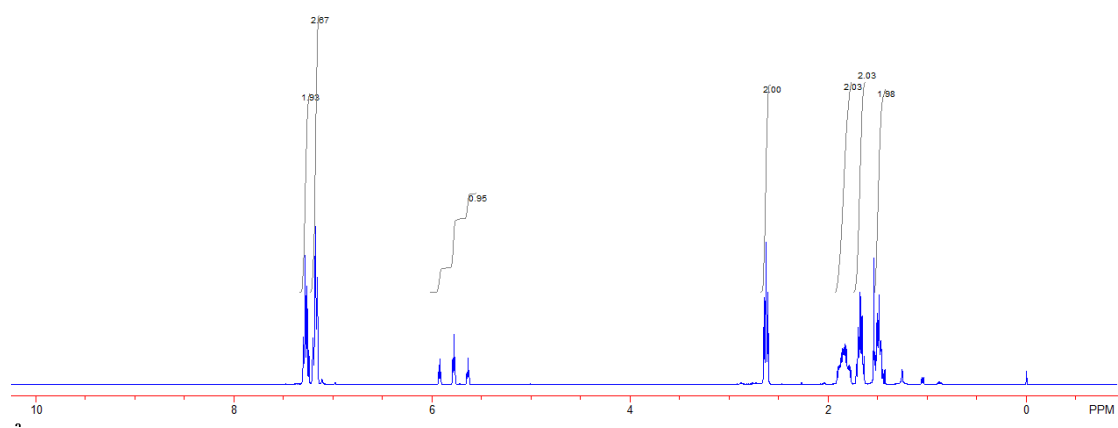
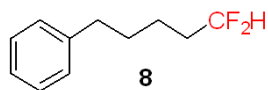
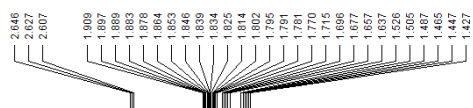
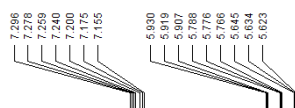
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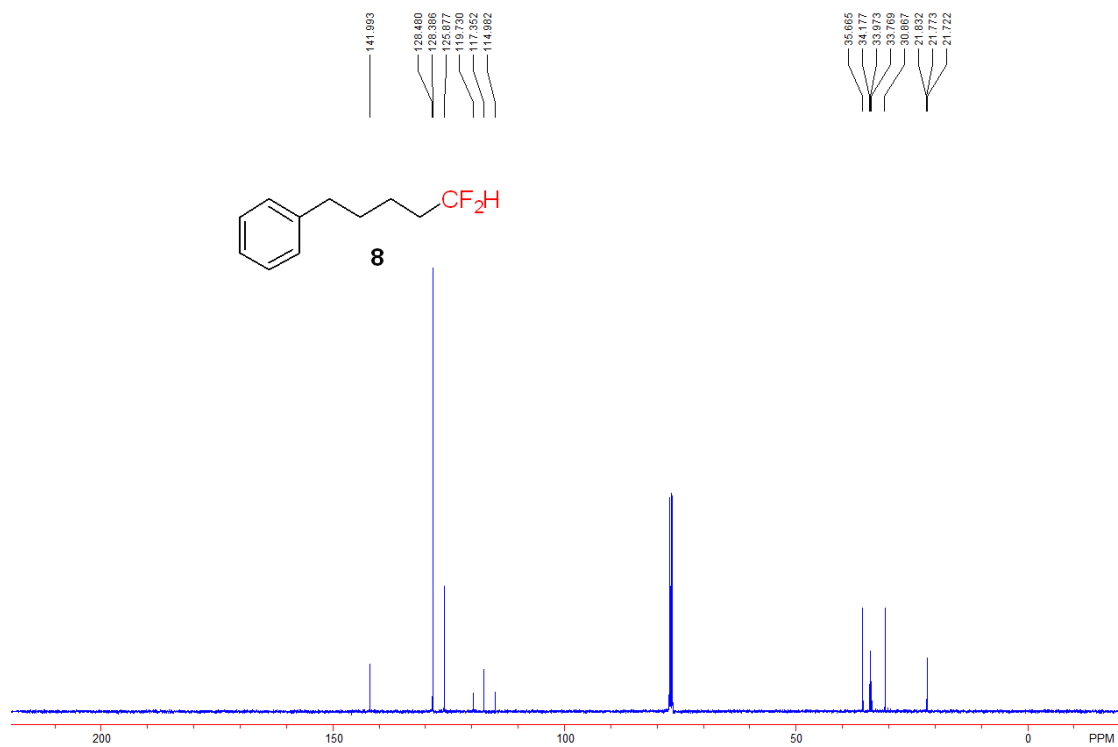




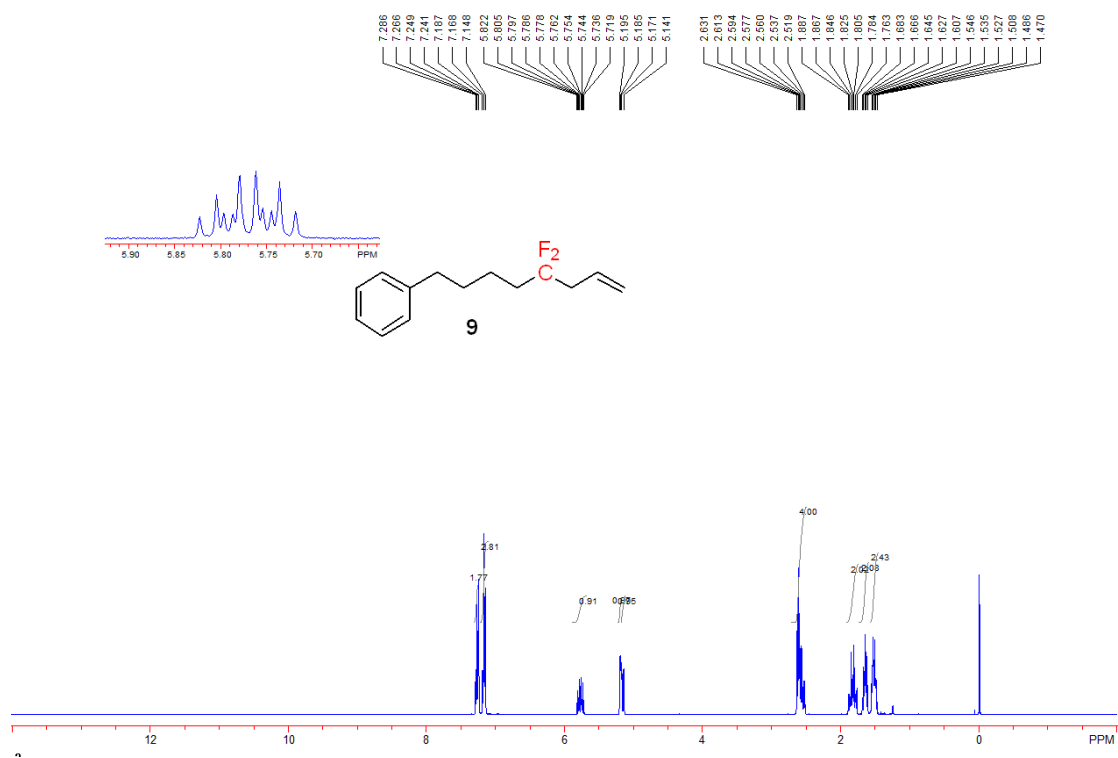


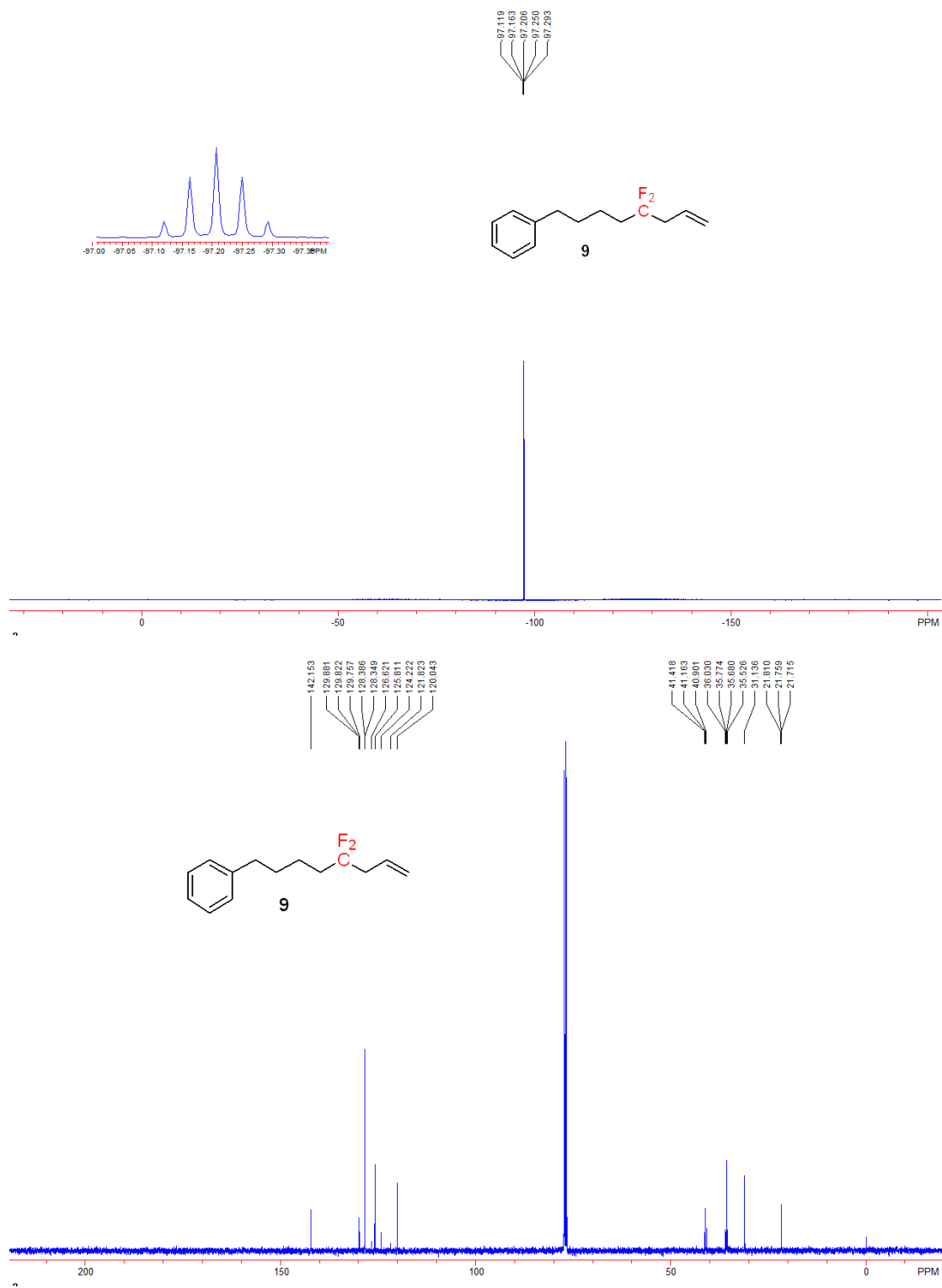
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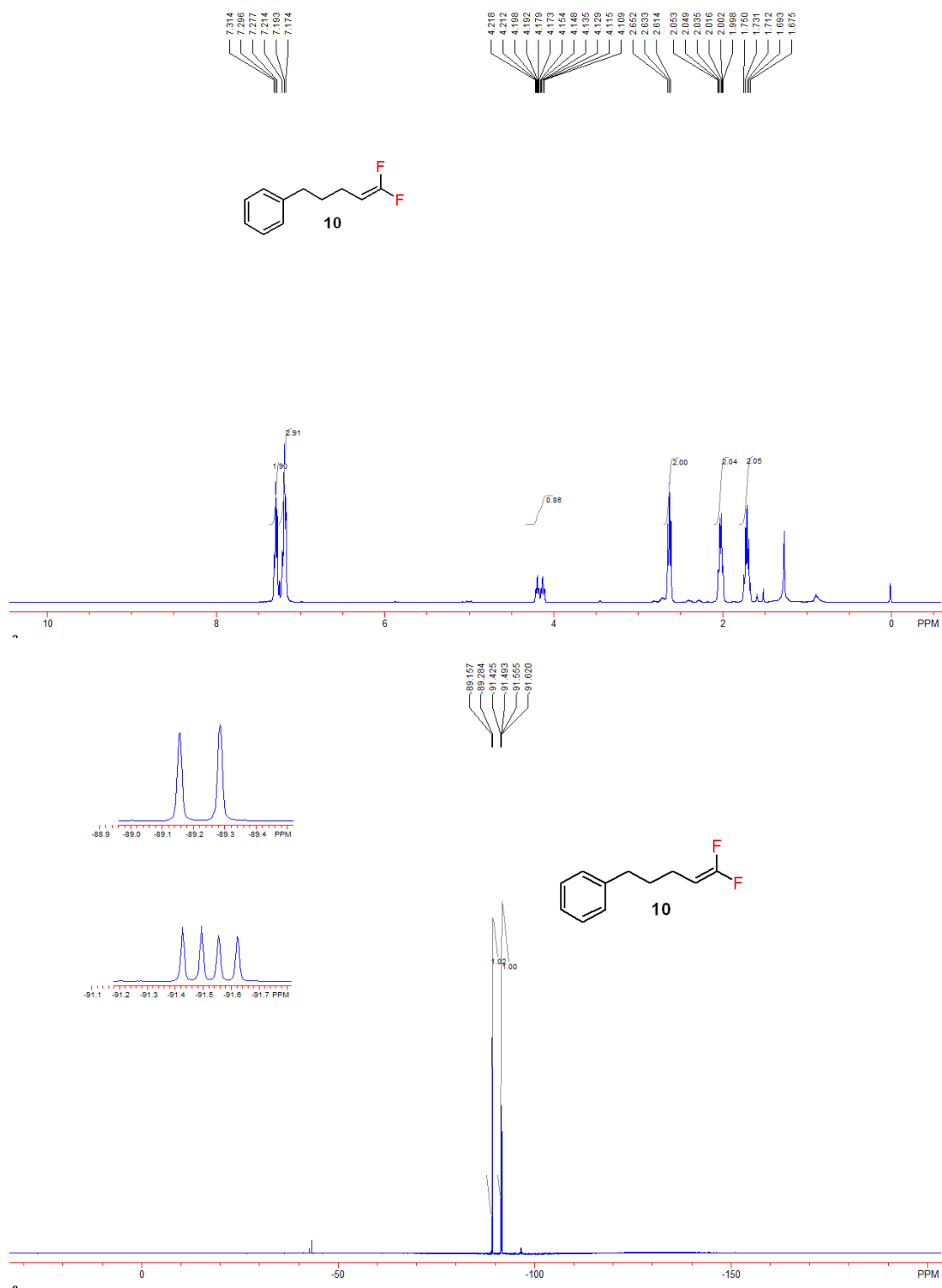


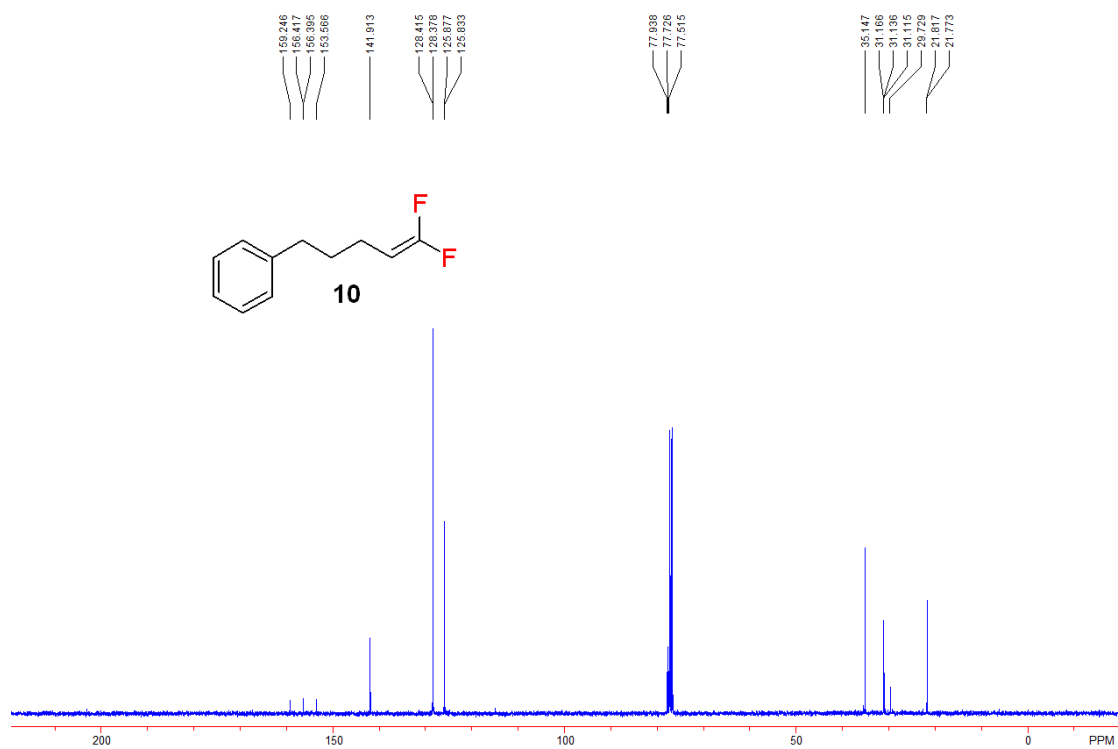
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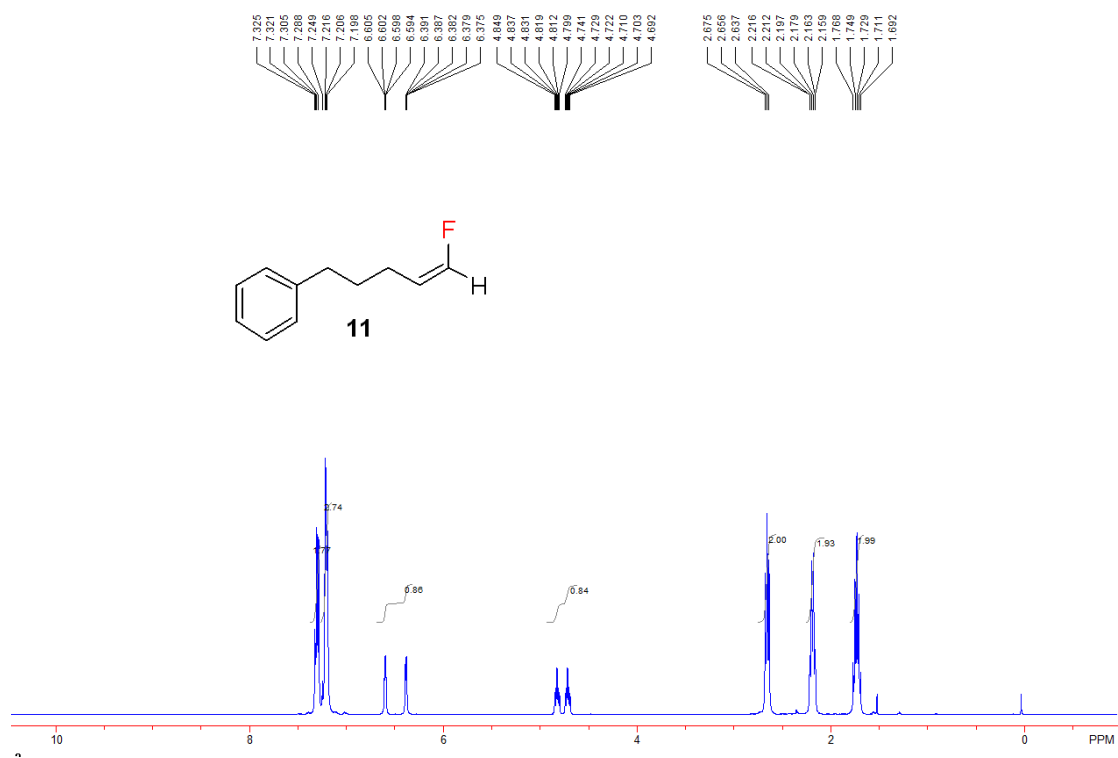


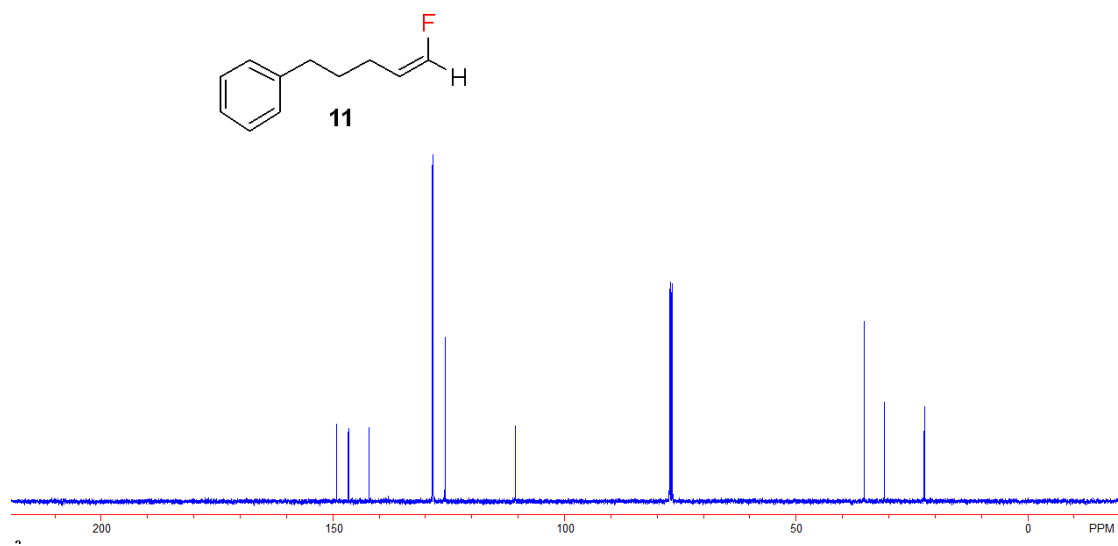
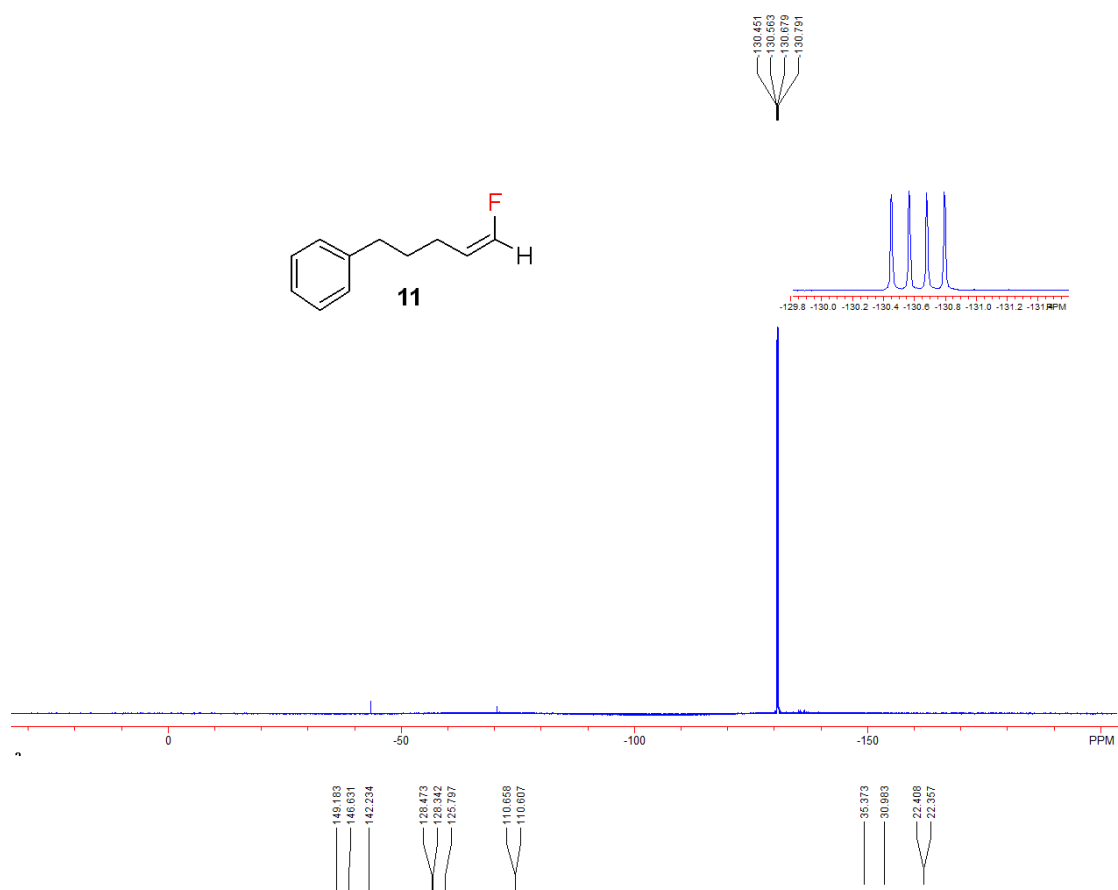
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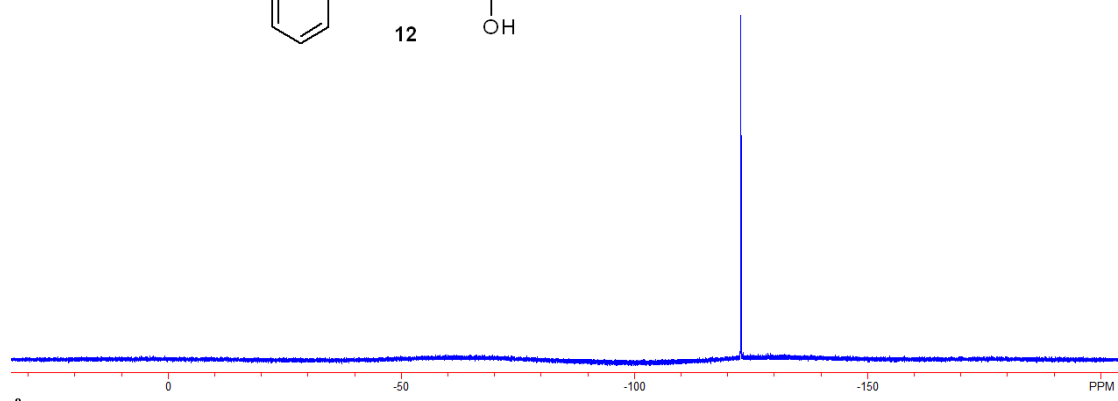
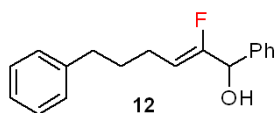
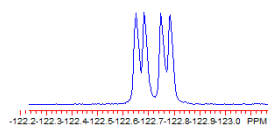
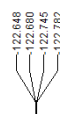
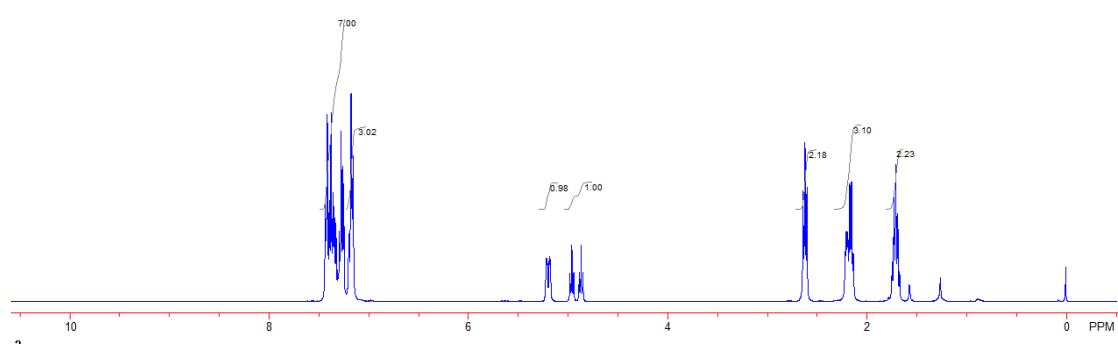
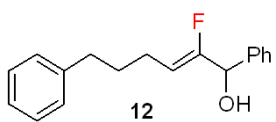
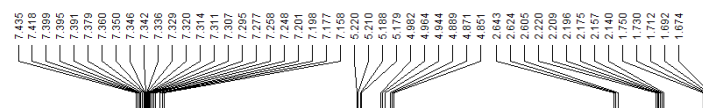


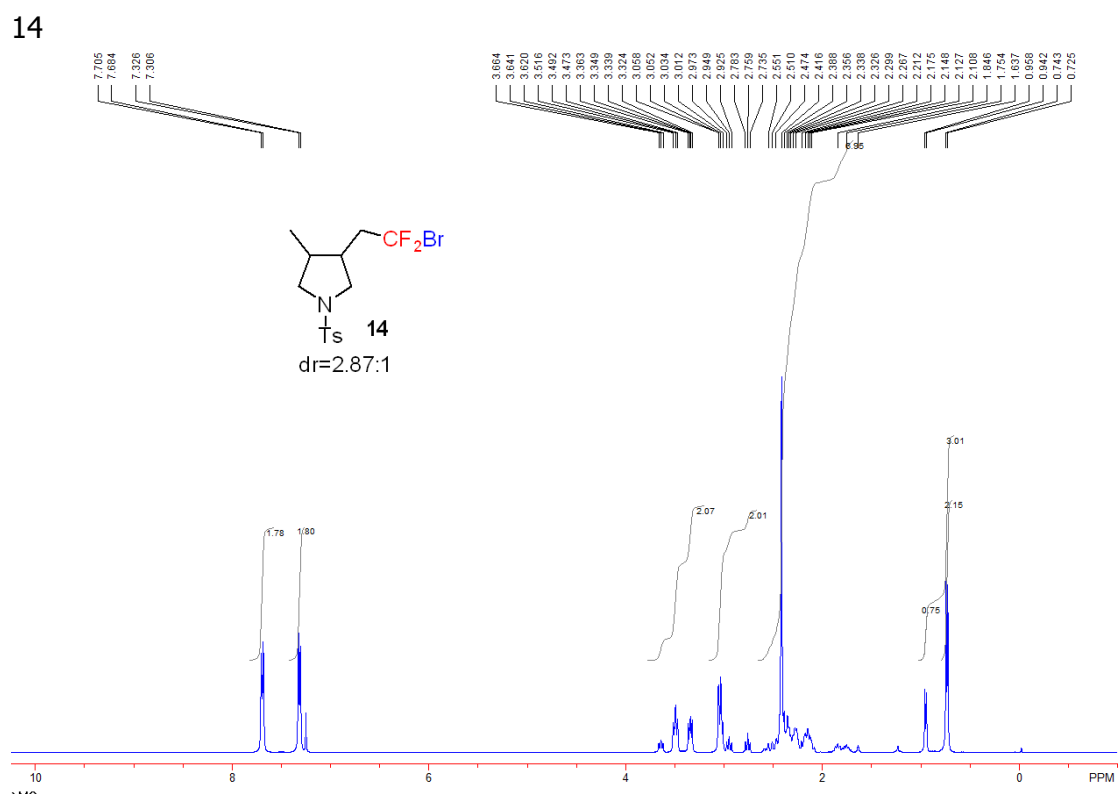
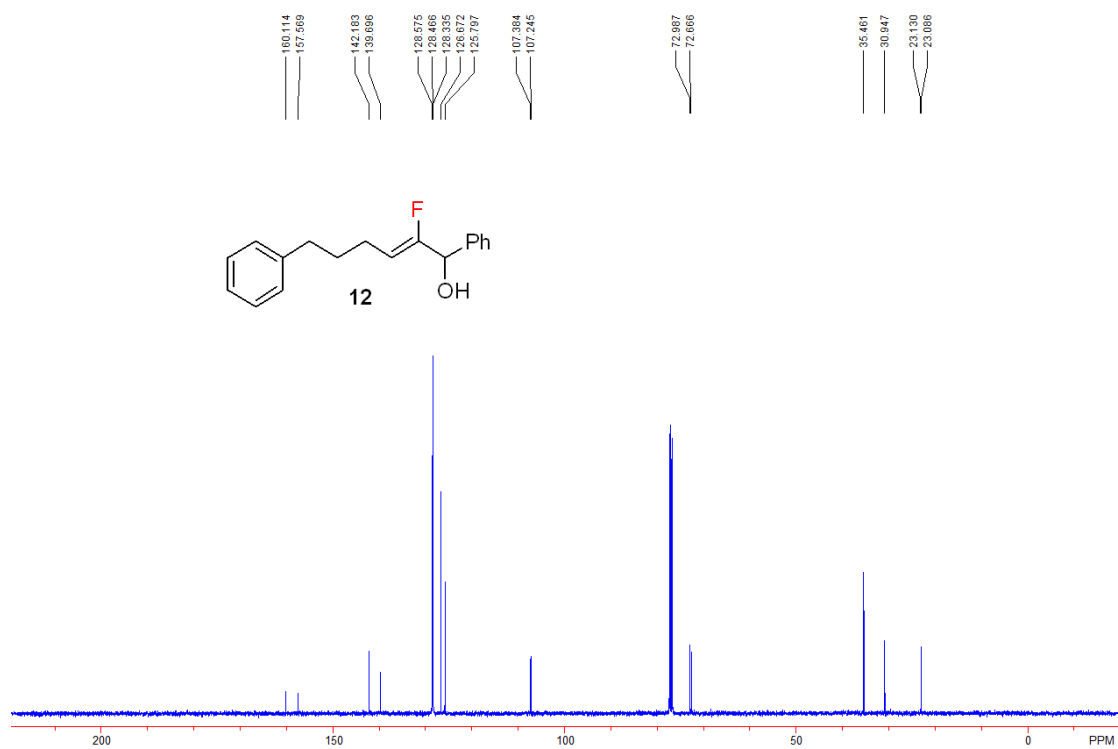
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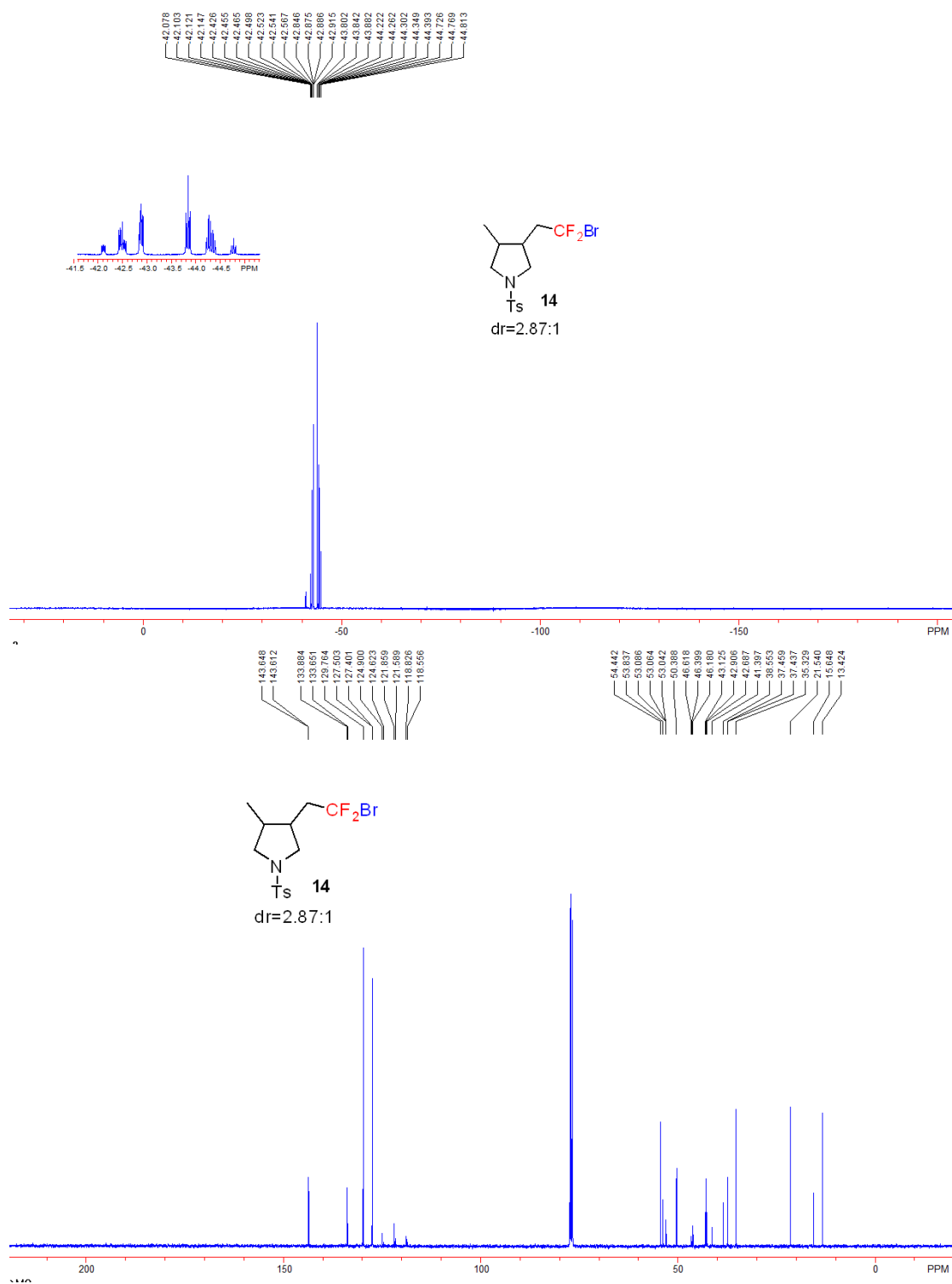


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[D]4s

