

***Supporting Information***

Quasi-Biomimetic Ring Contraction Catalyzed by a Cysteine-Based Nucleophile:  
Total Synthesis of Sch-642305, Some Analogs and their Putative anti-HIV  
Activities

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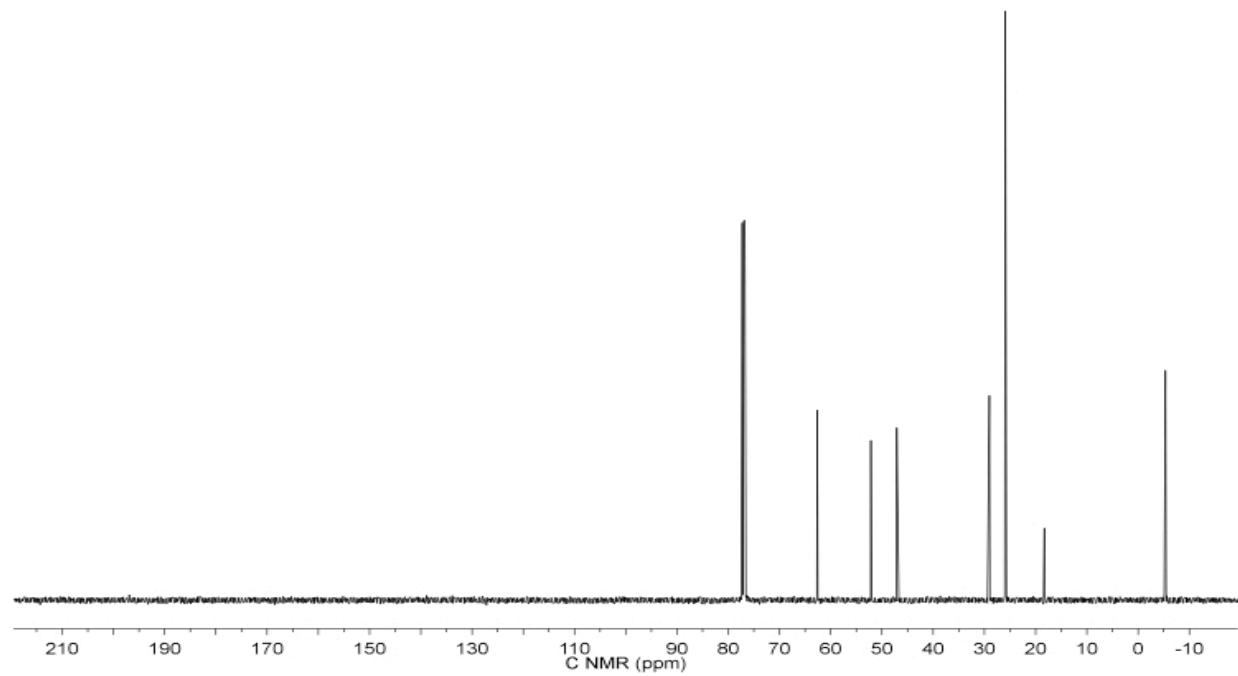
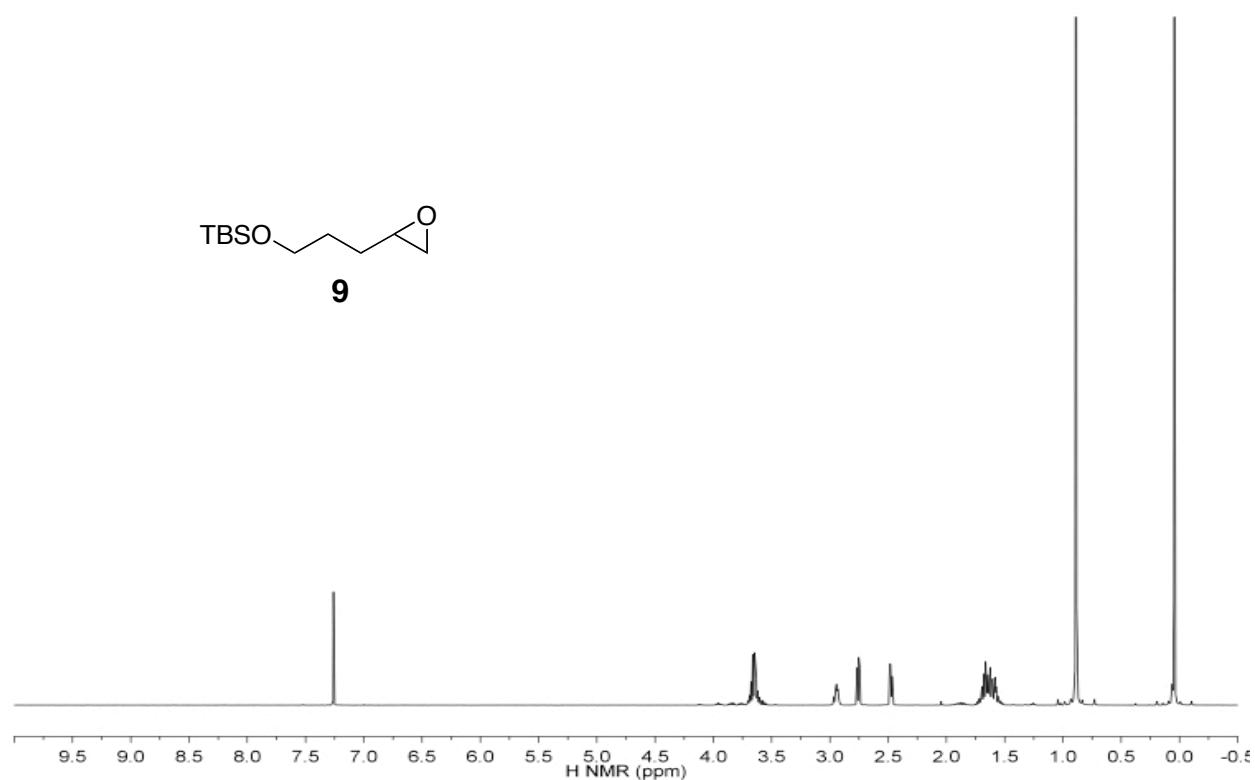
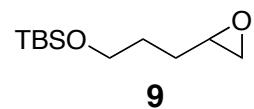
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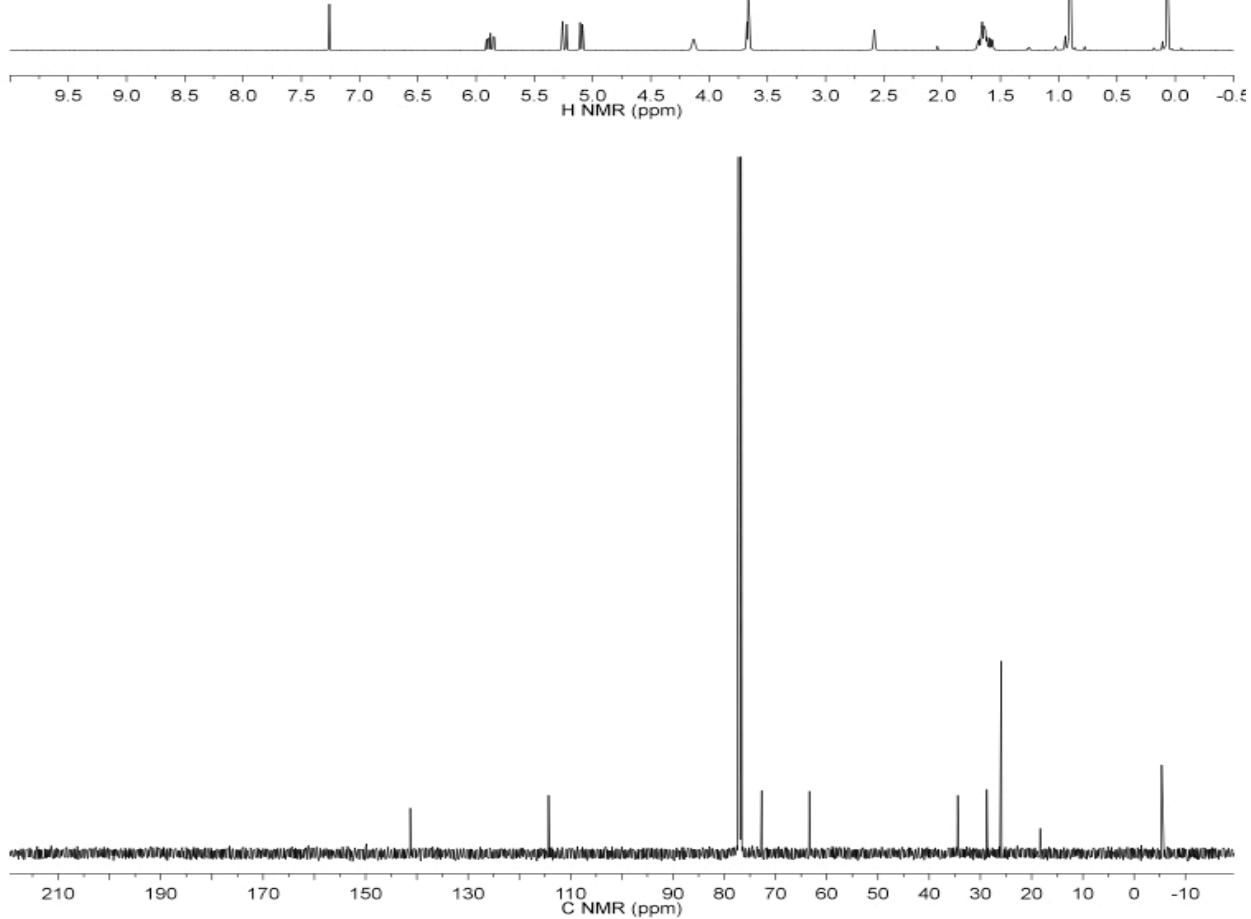
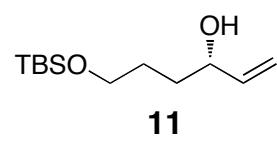
<sup>b</sup>*Department of Pharmacology, Yale University School of Medicine, 333 Cedar Street, SHM  
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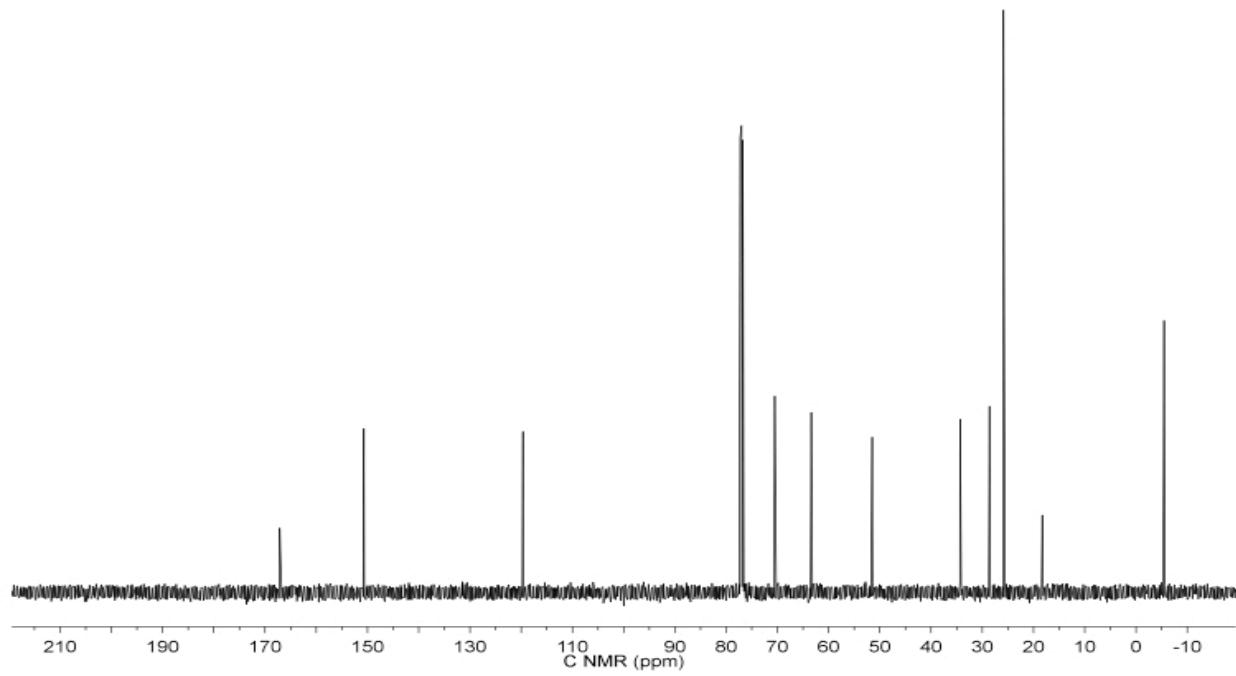
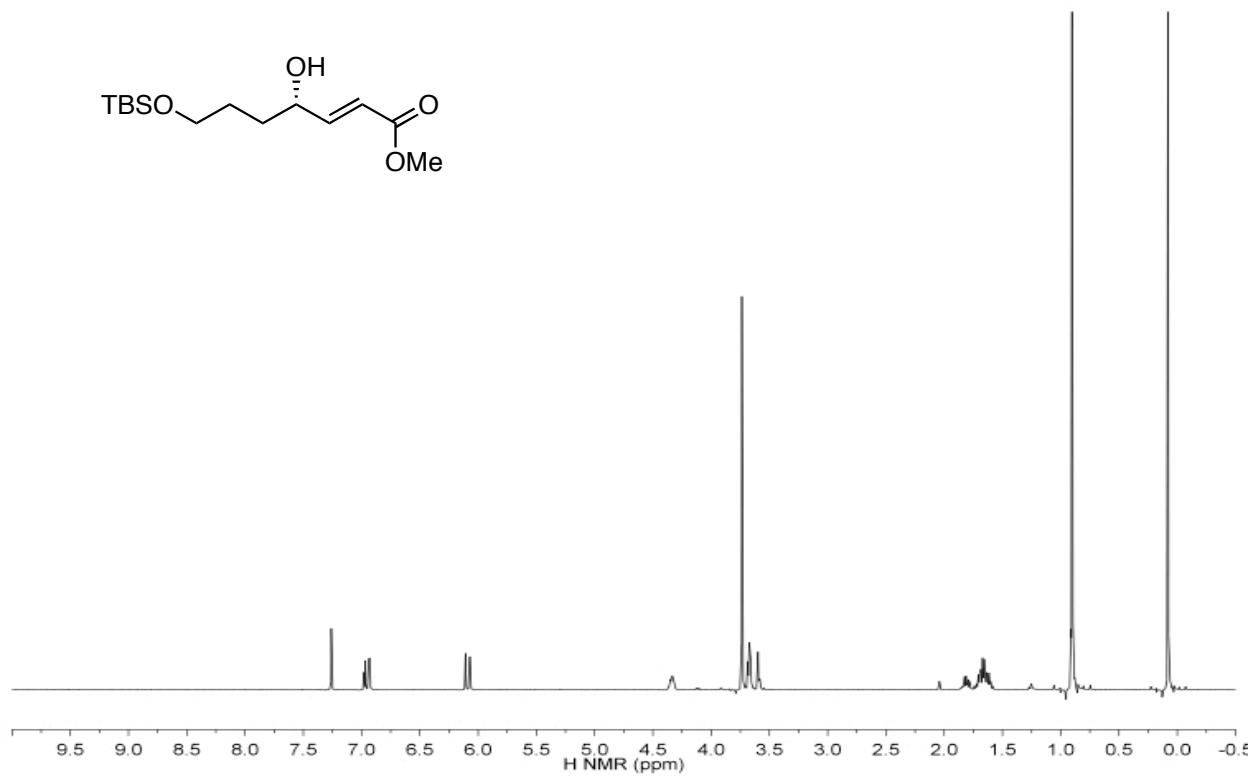
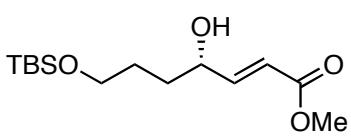
**Supporting Information**

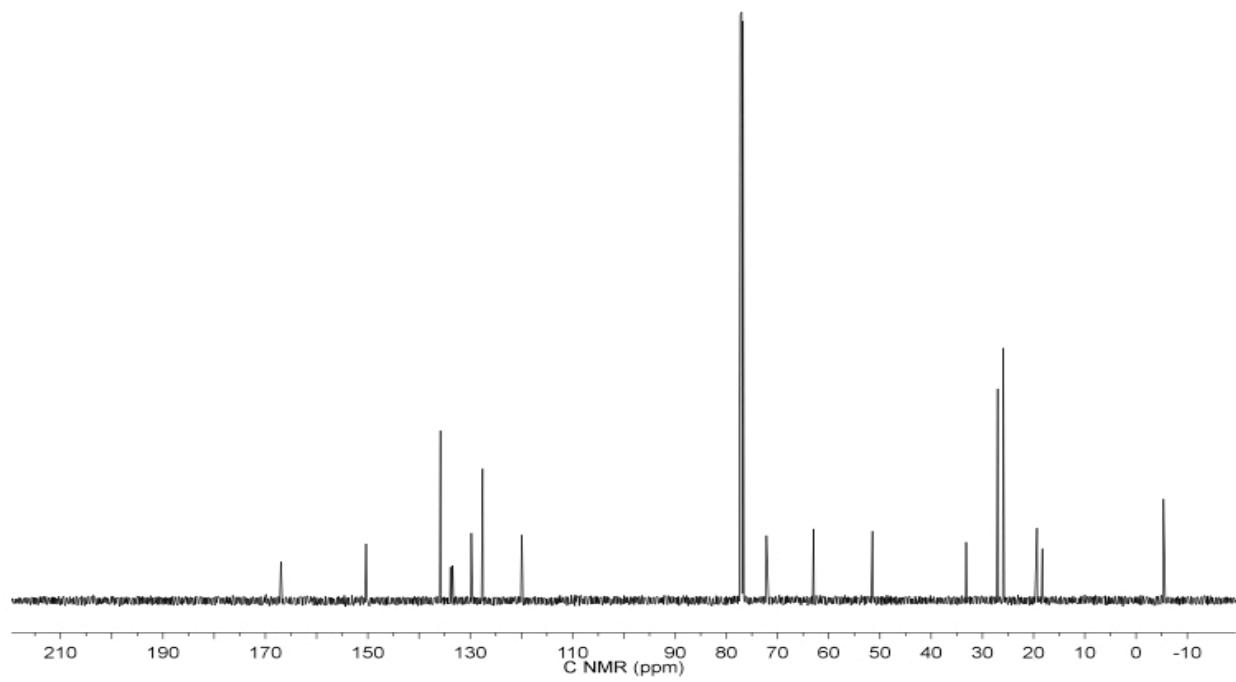
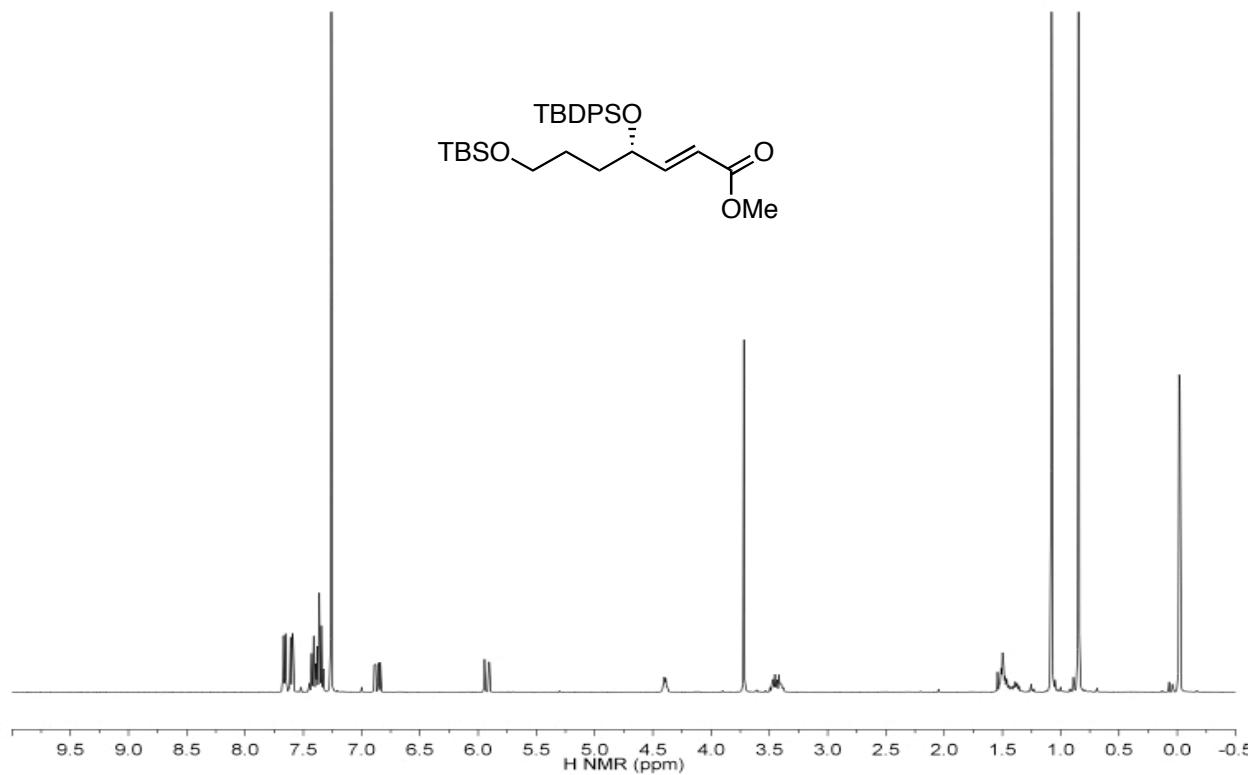
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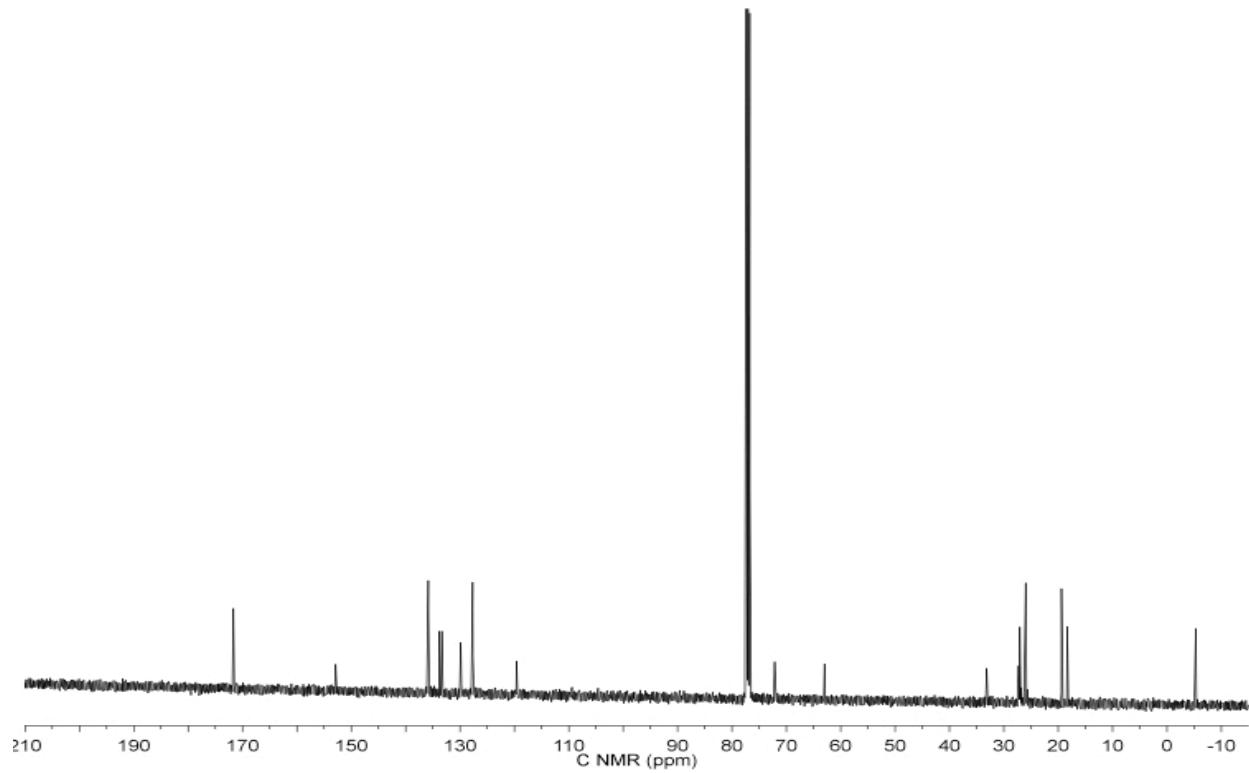
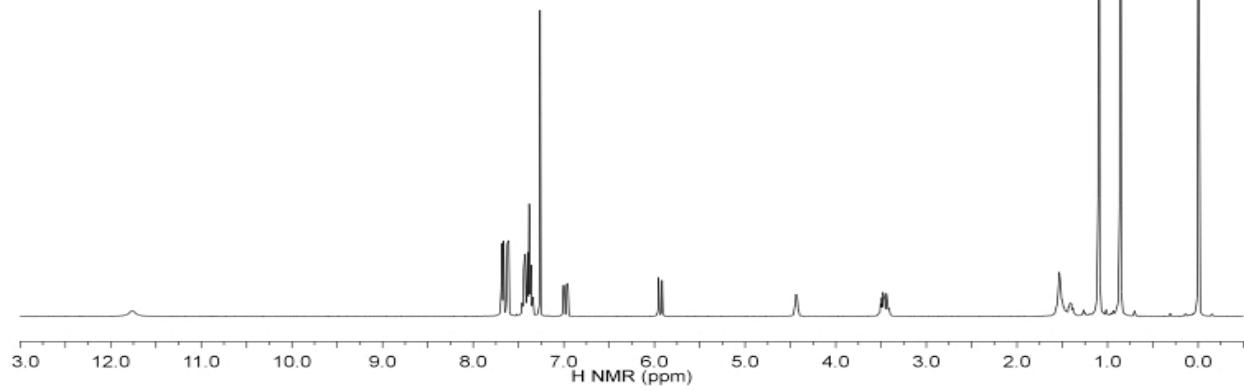
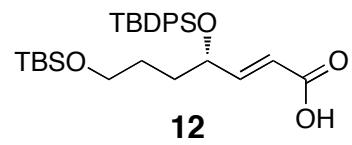
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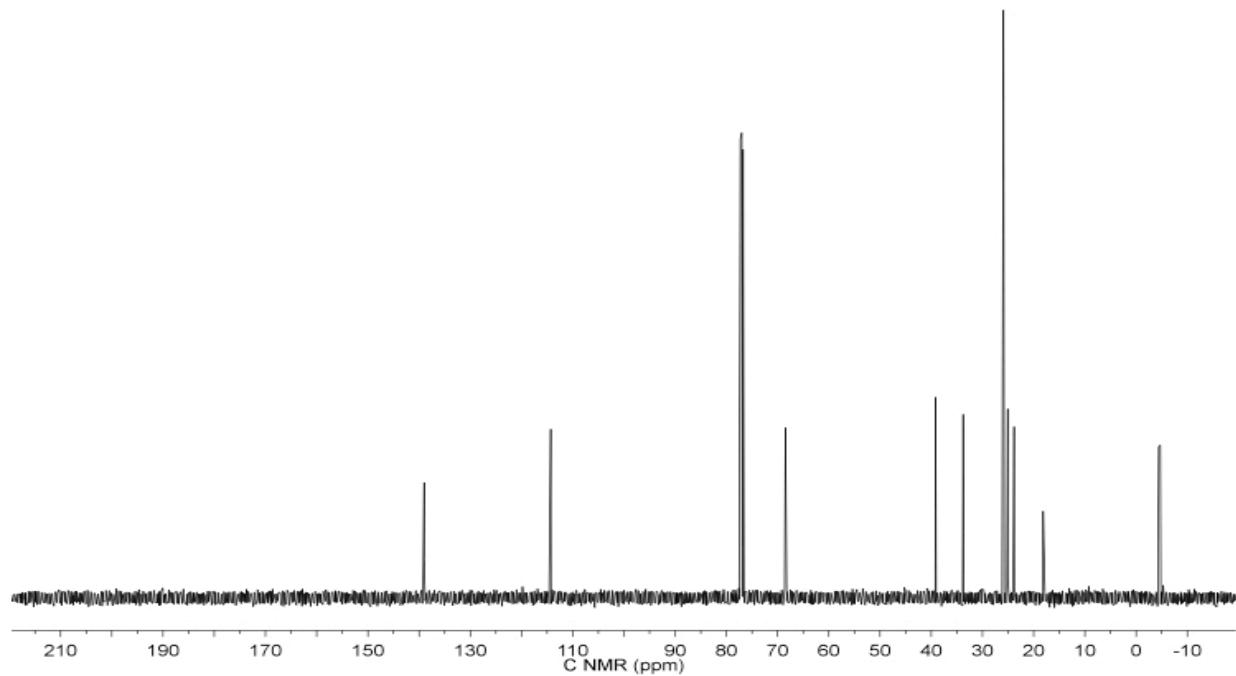
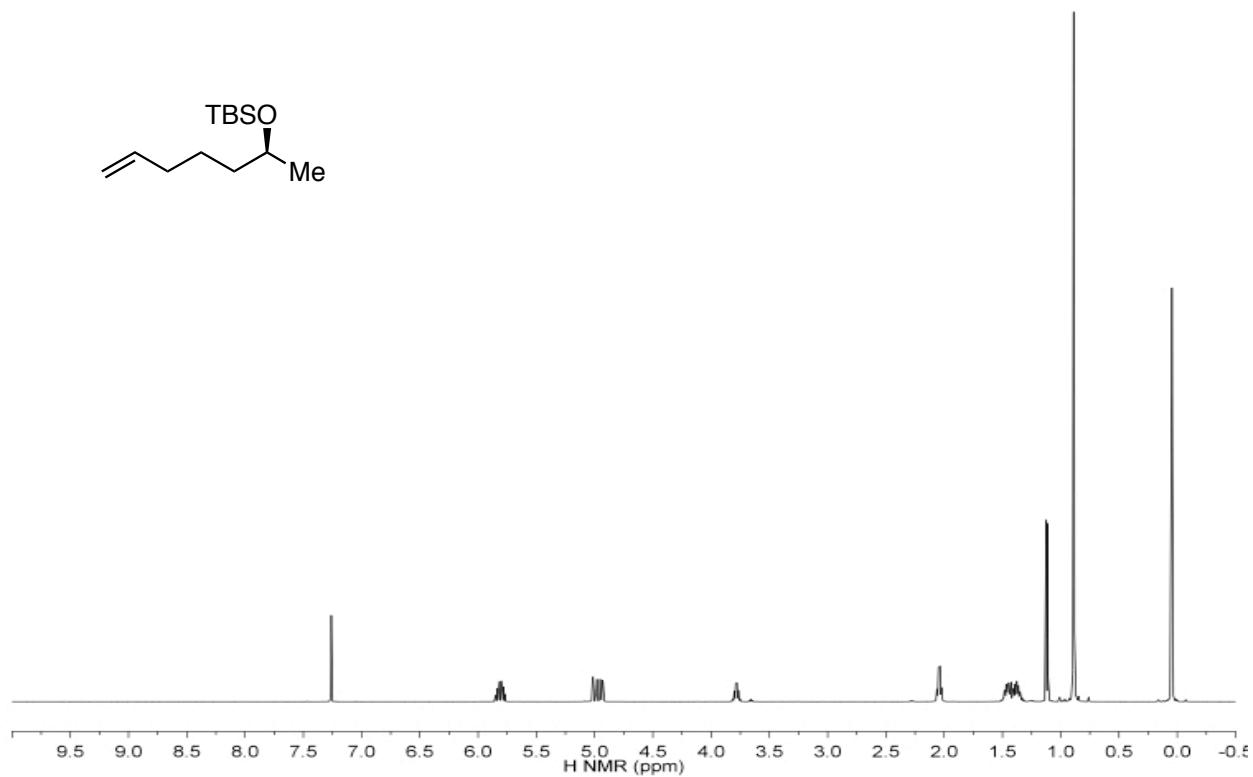
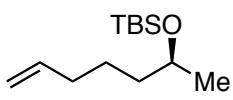


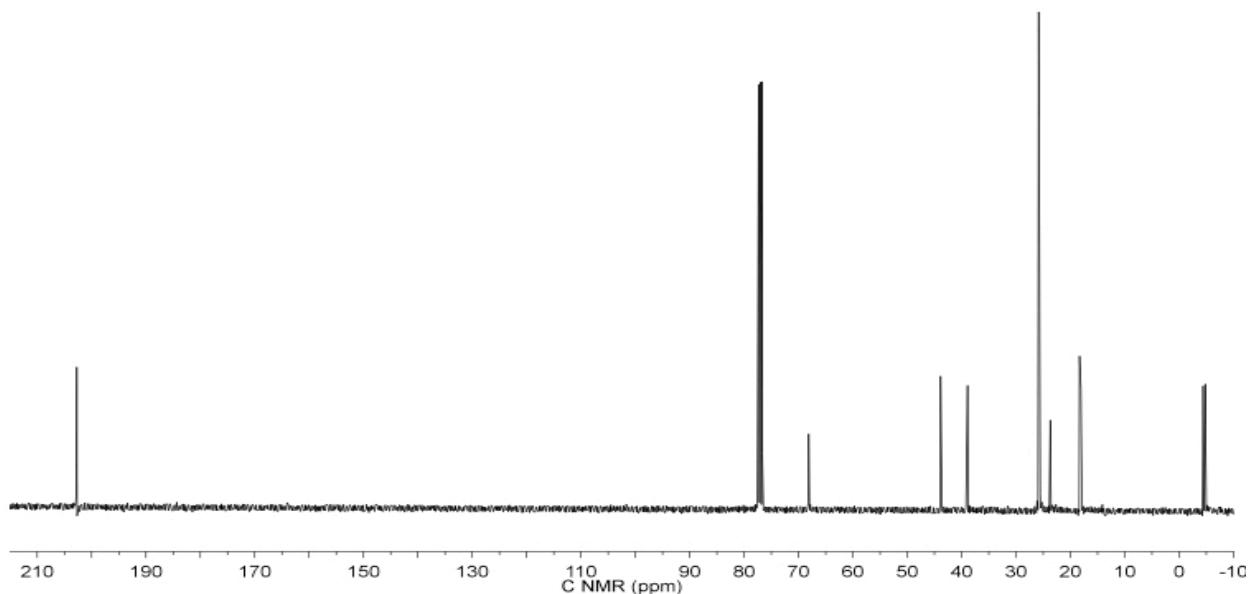
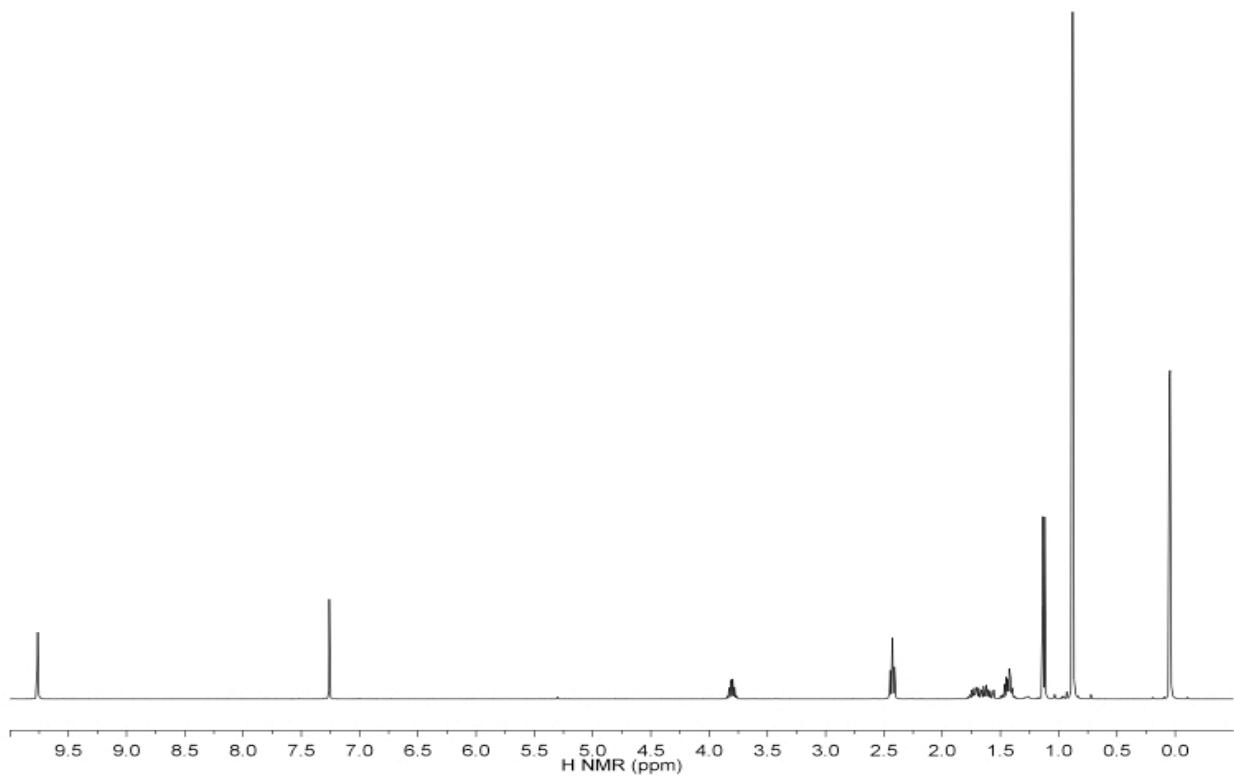
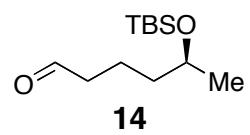


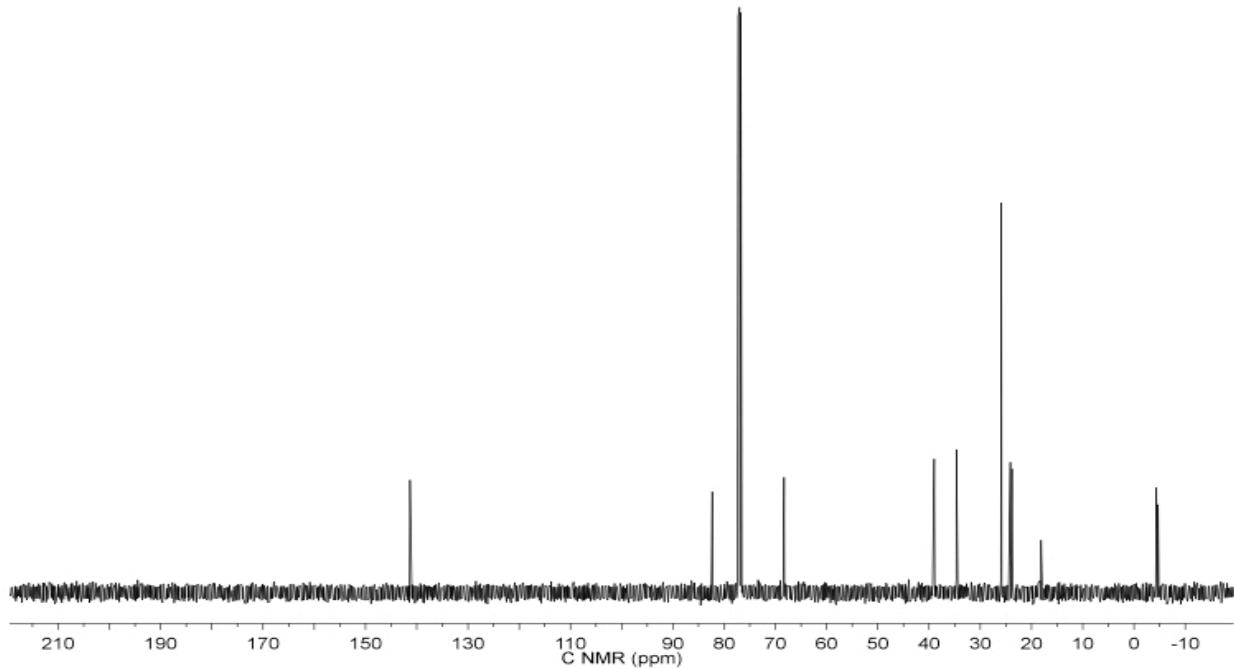
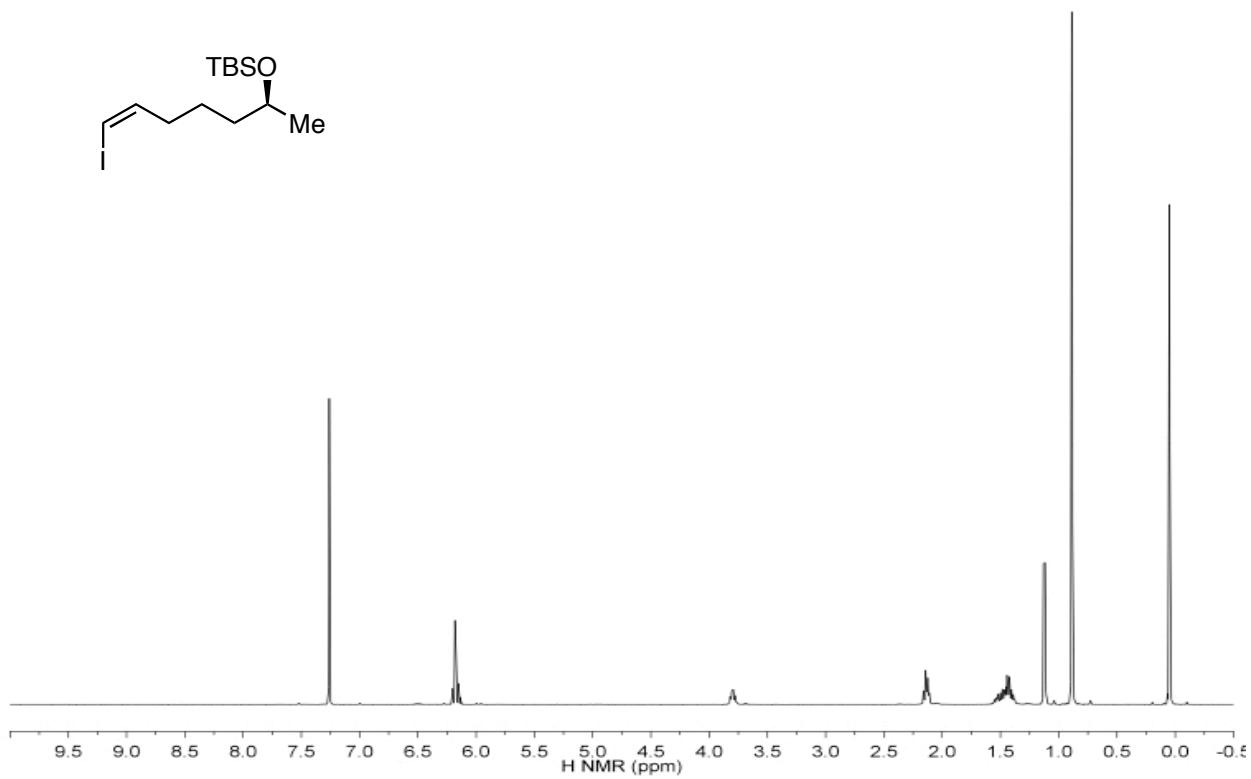
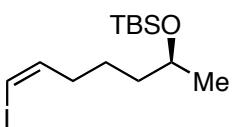


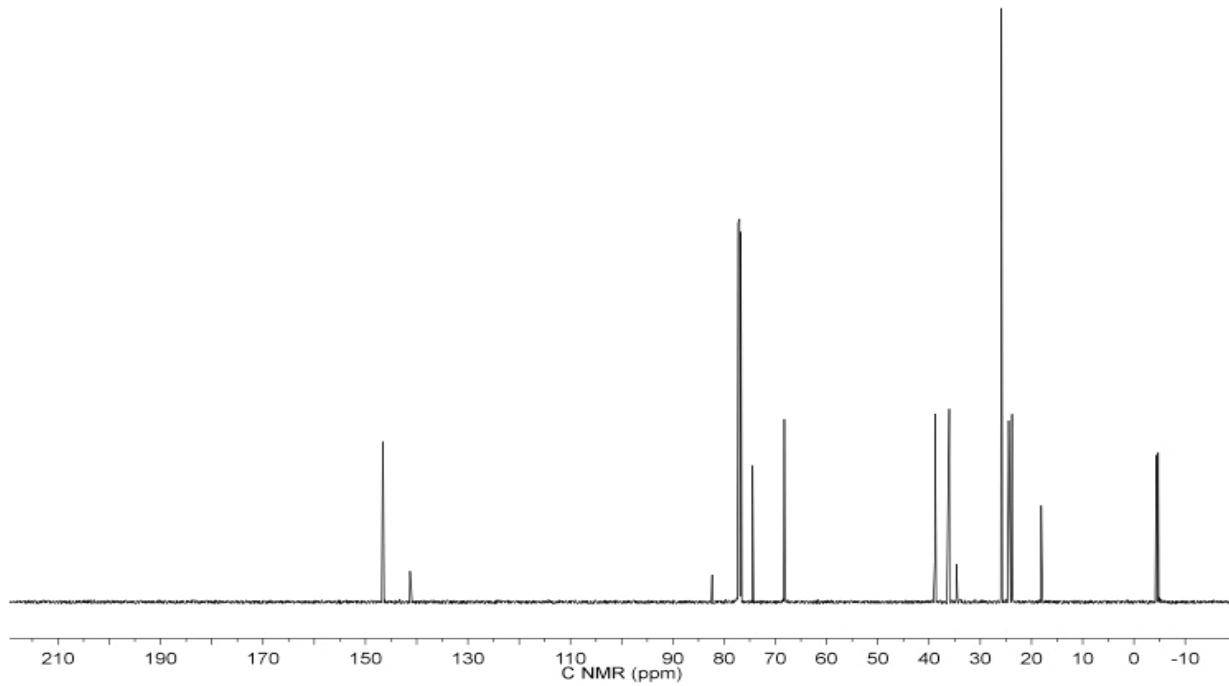
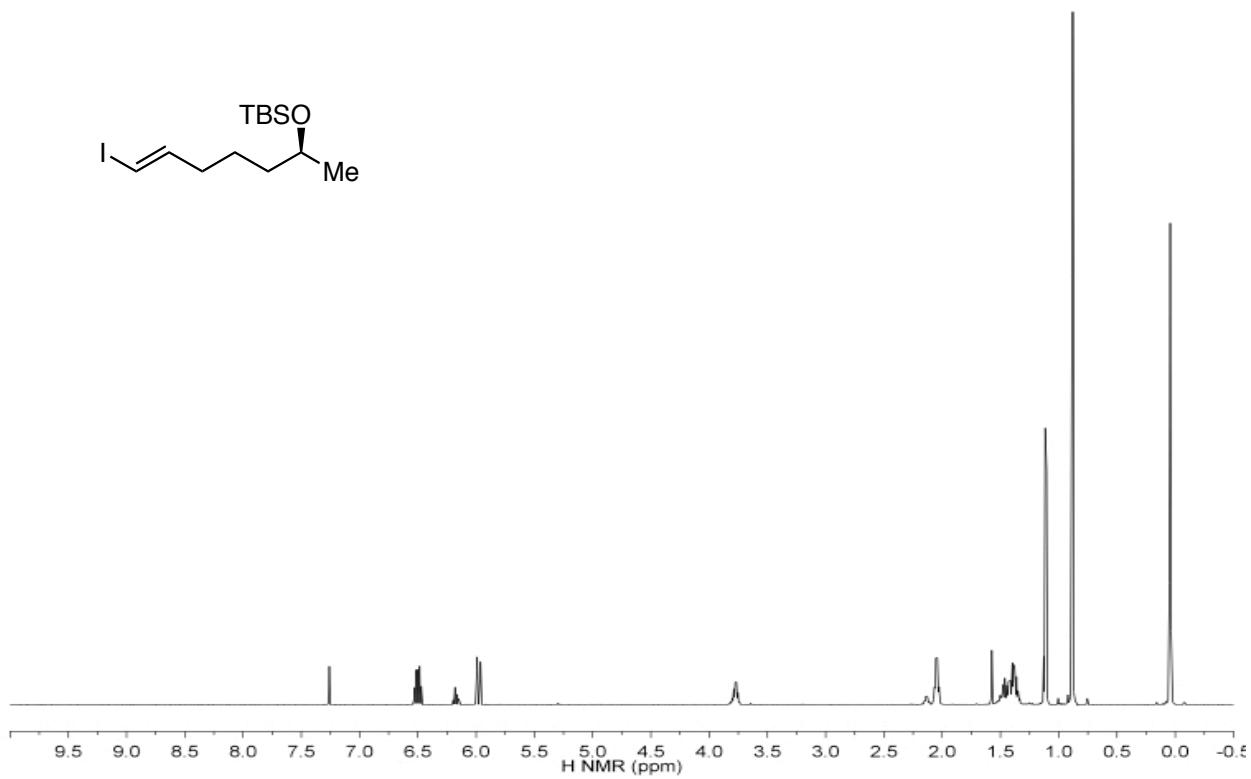
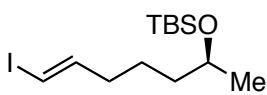


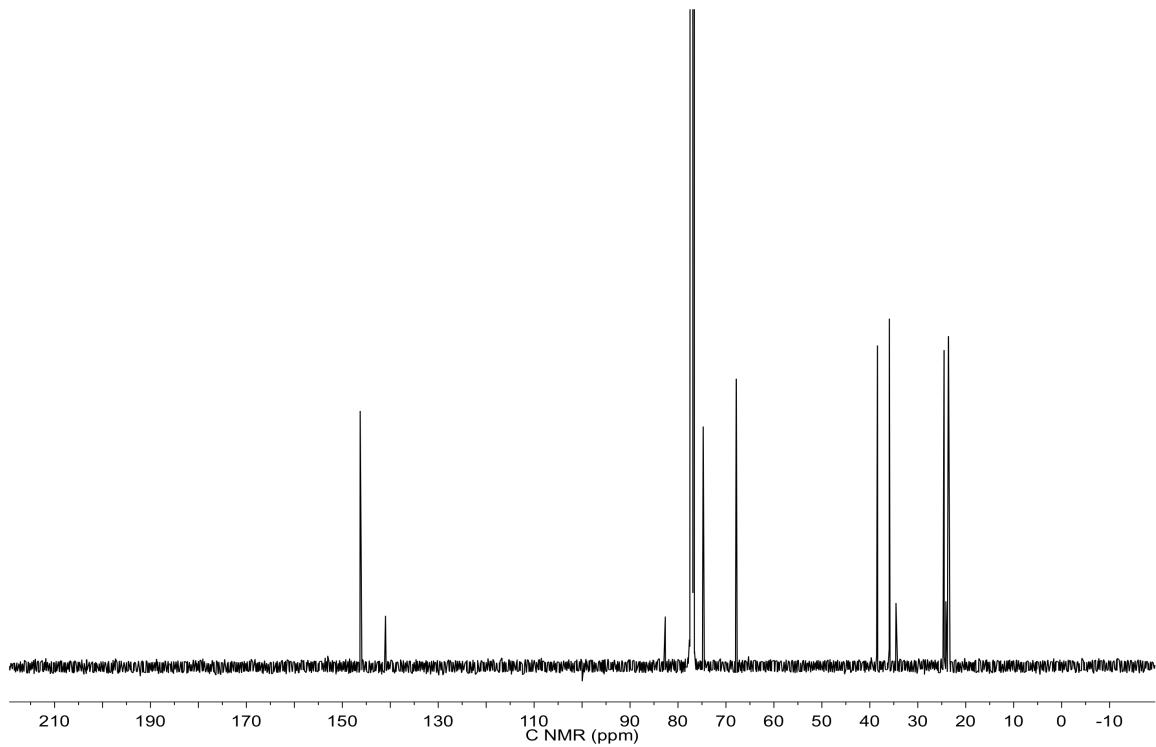
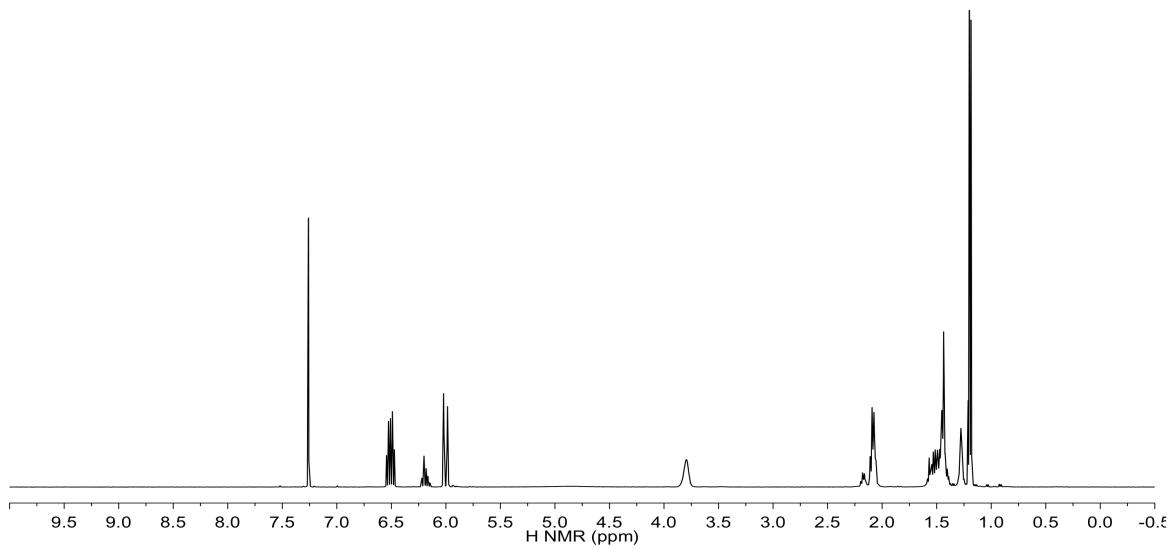
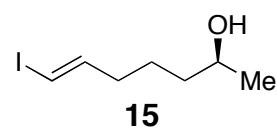


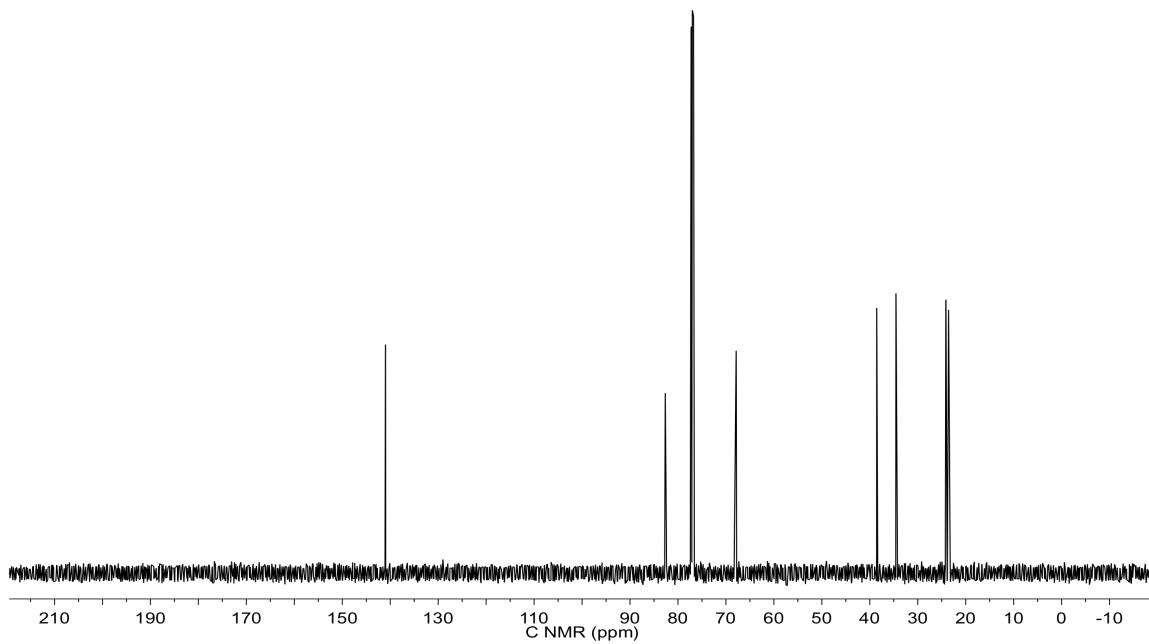
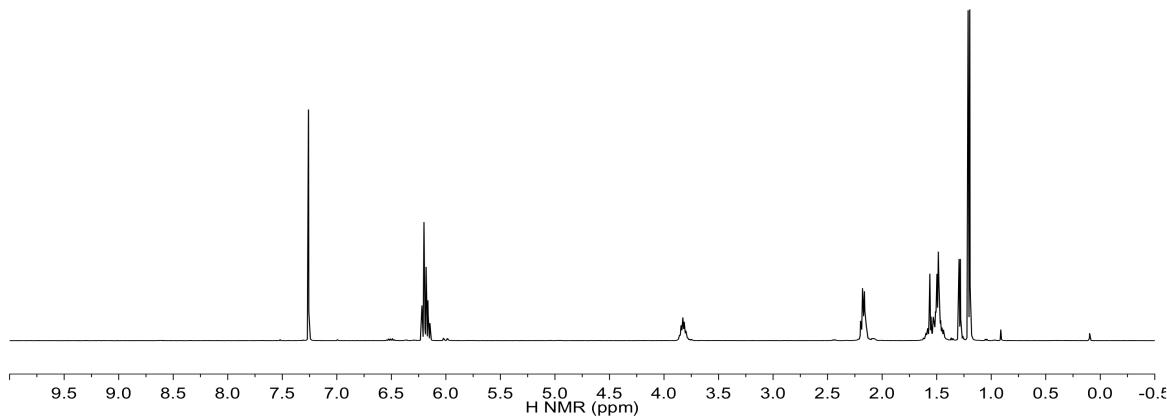
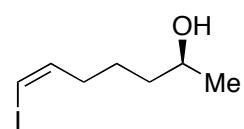


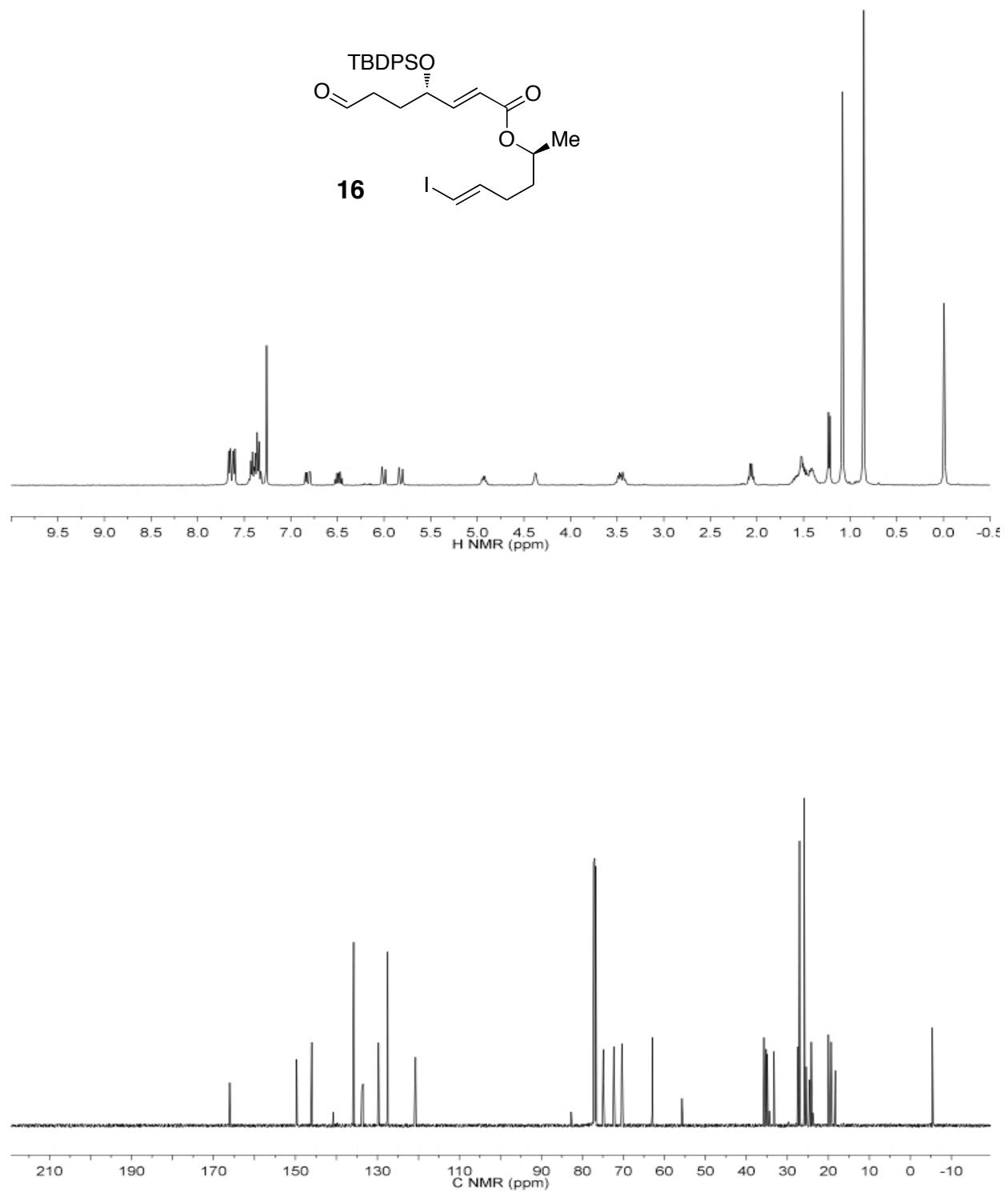
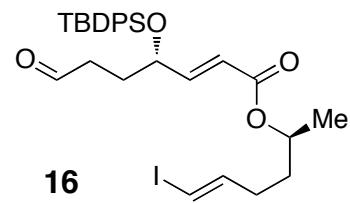


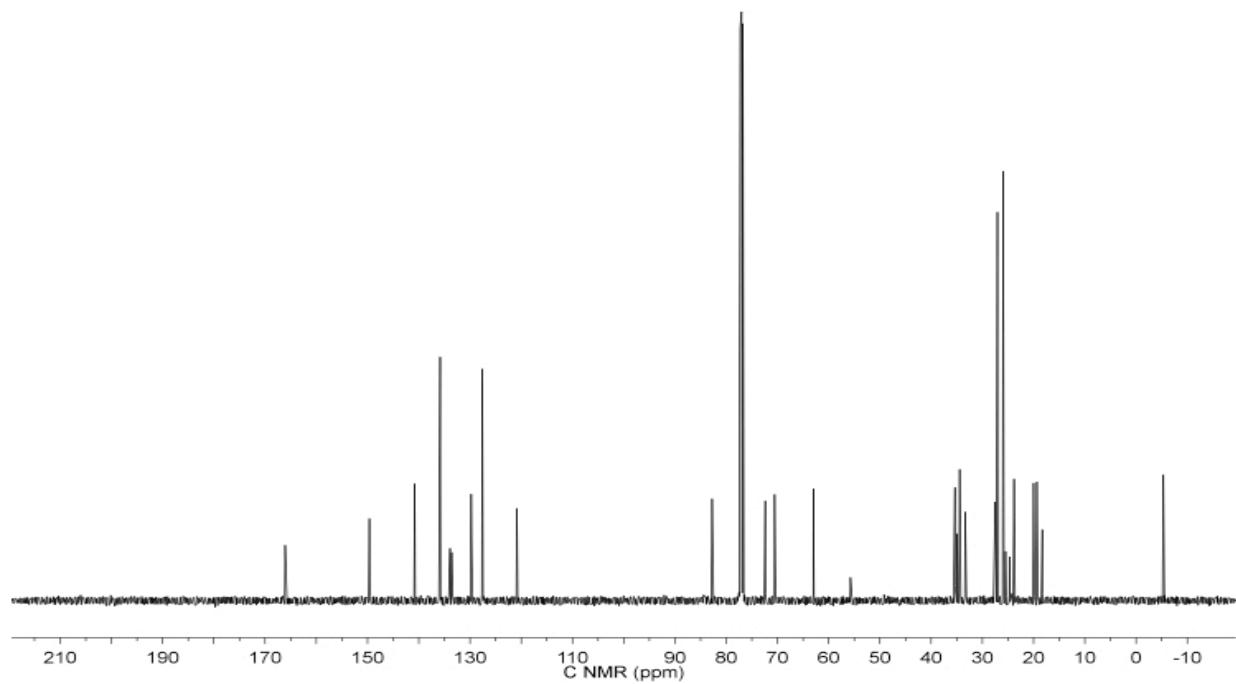
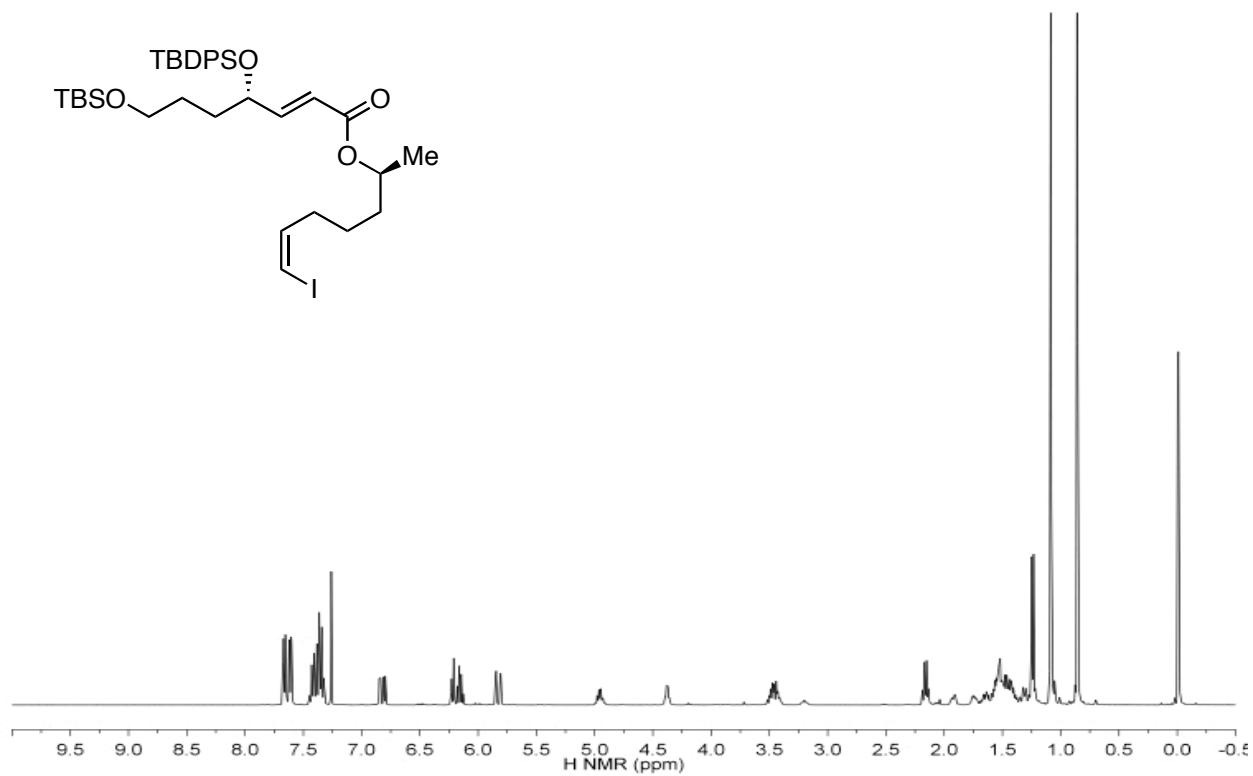
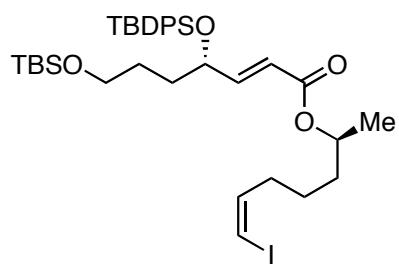


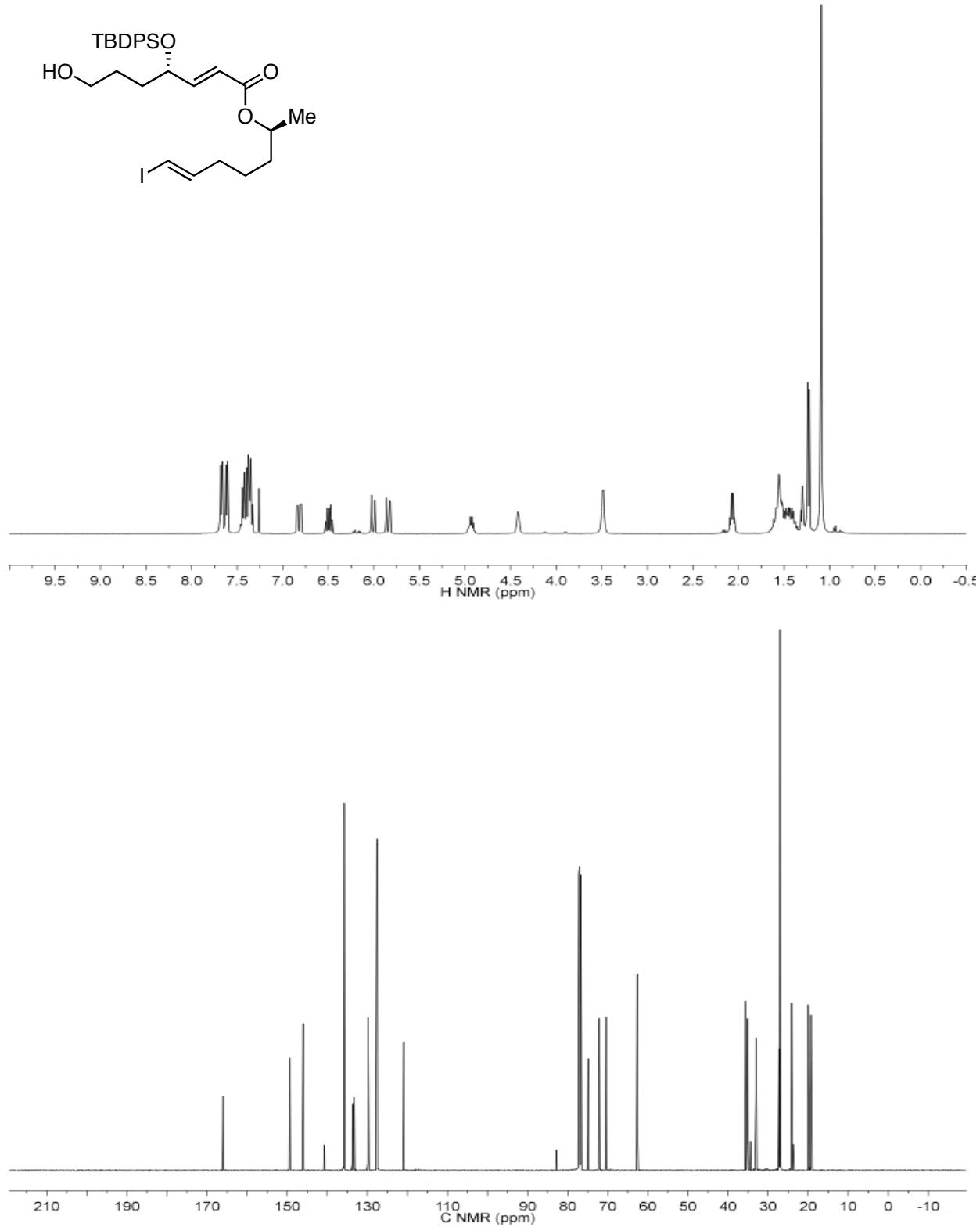
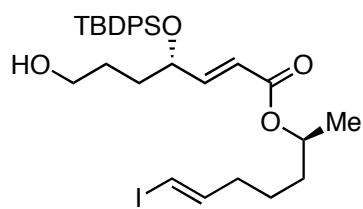


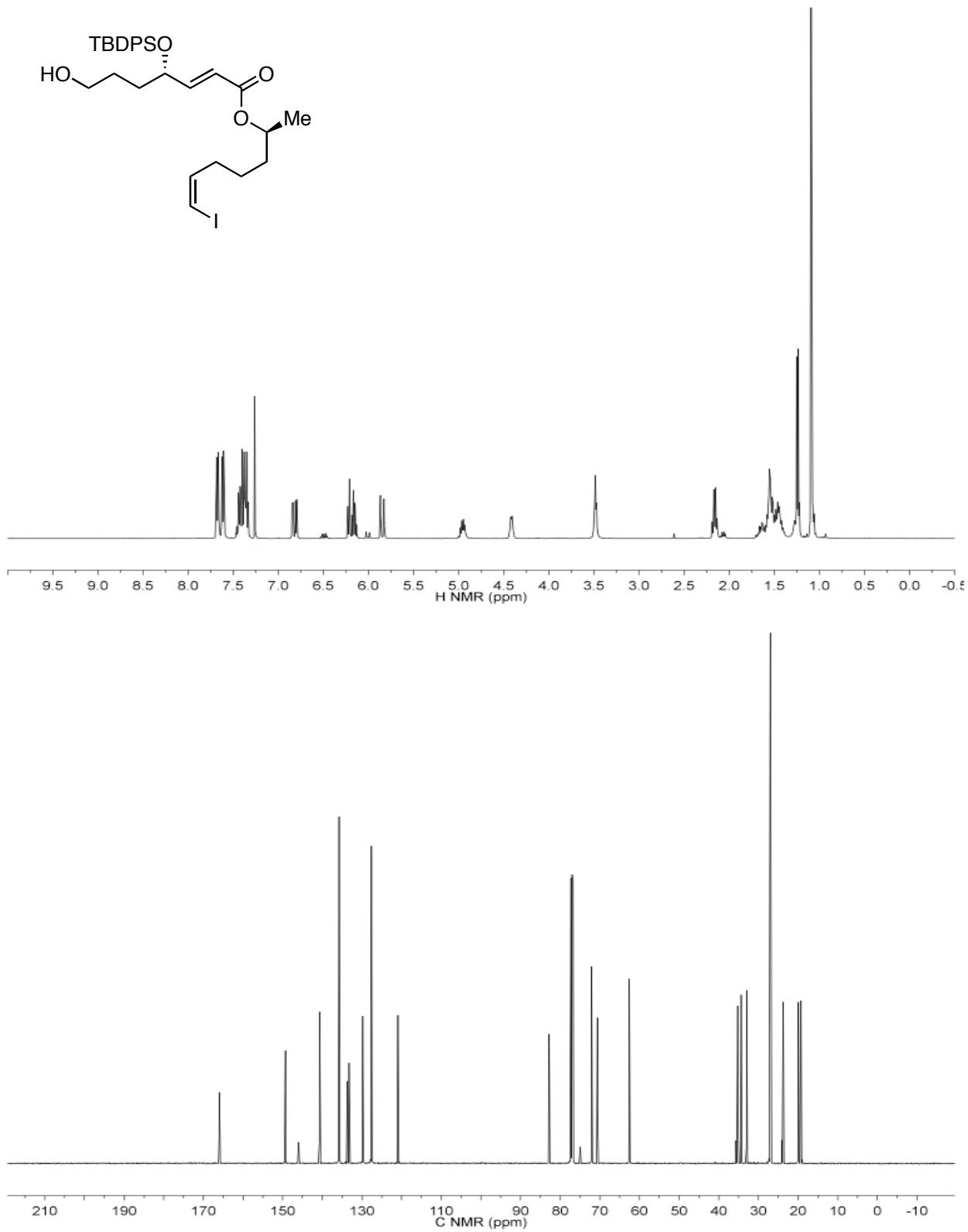
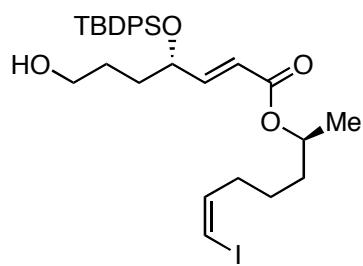


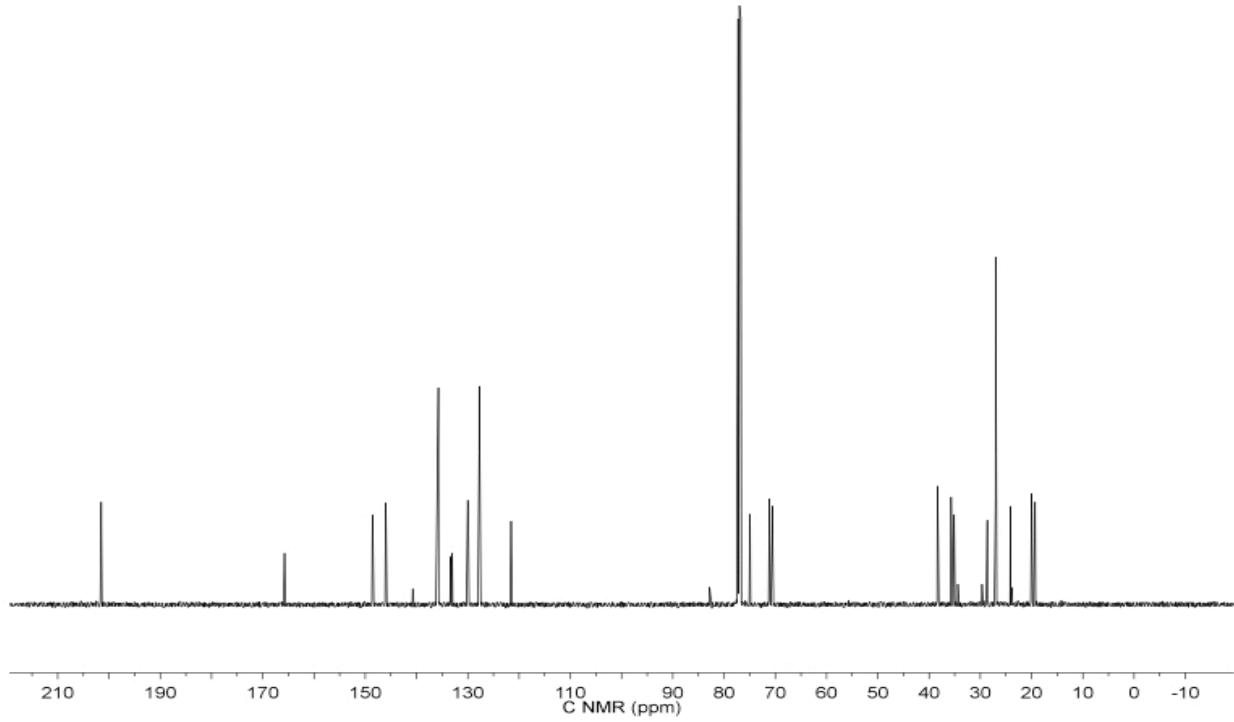
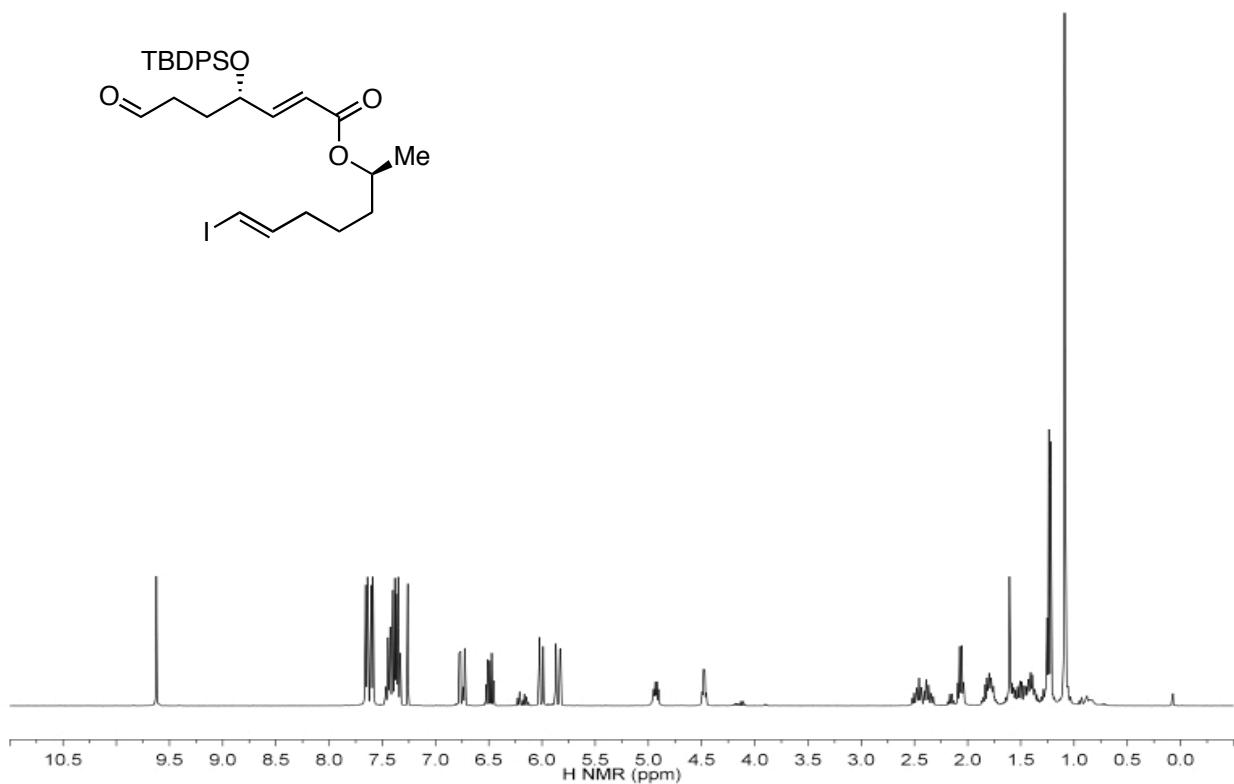
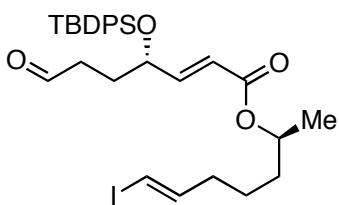


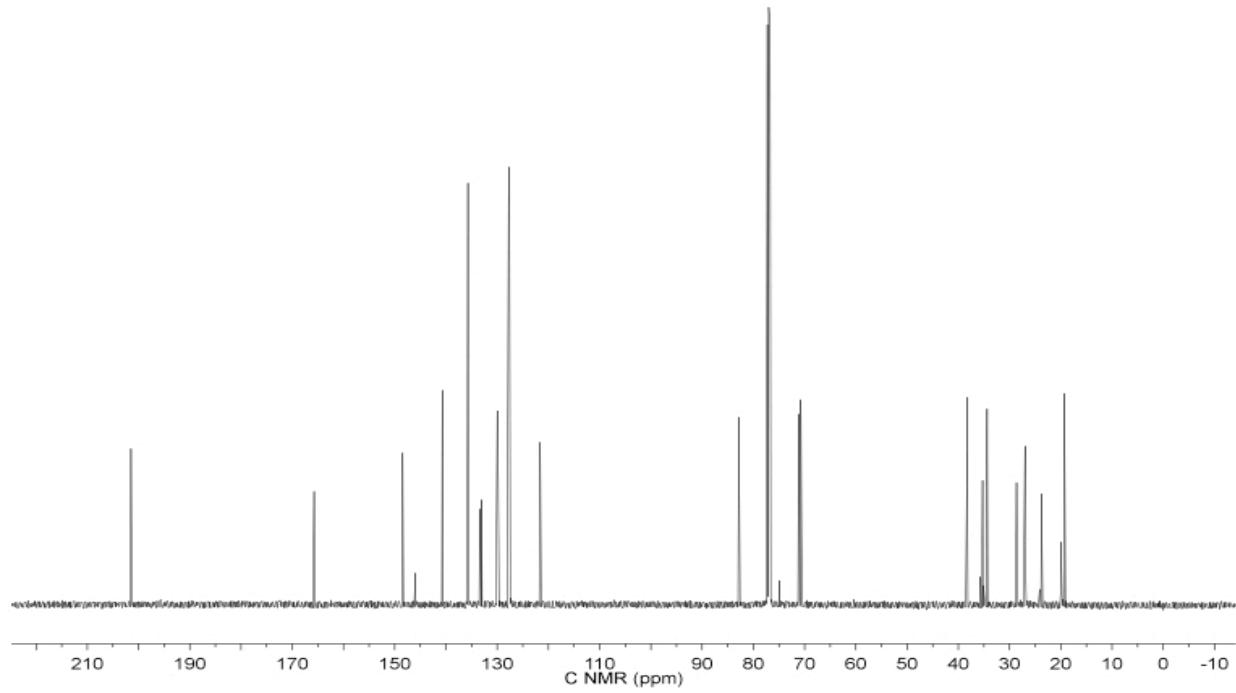
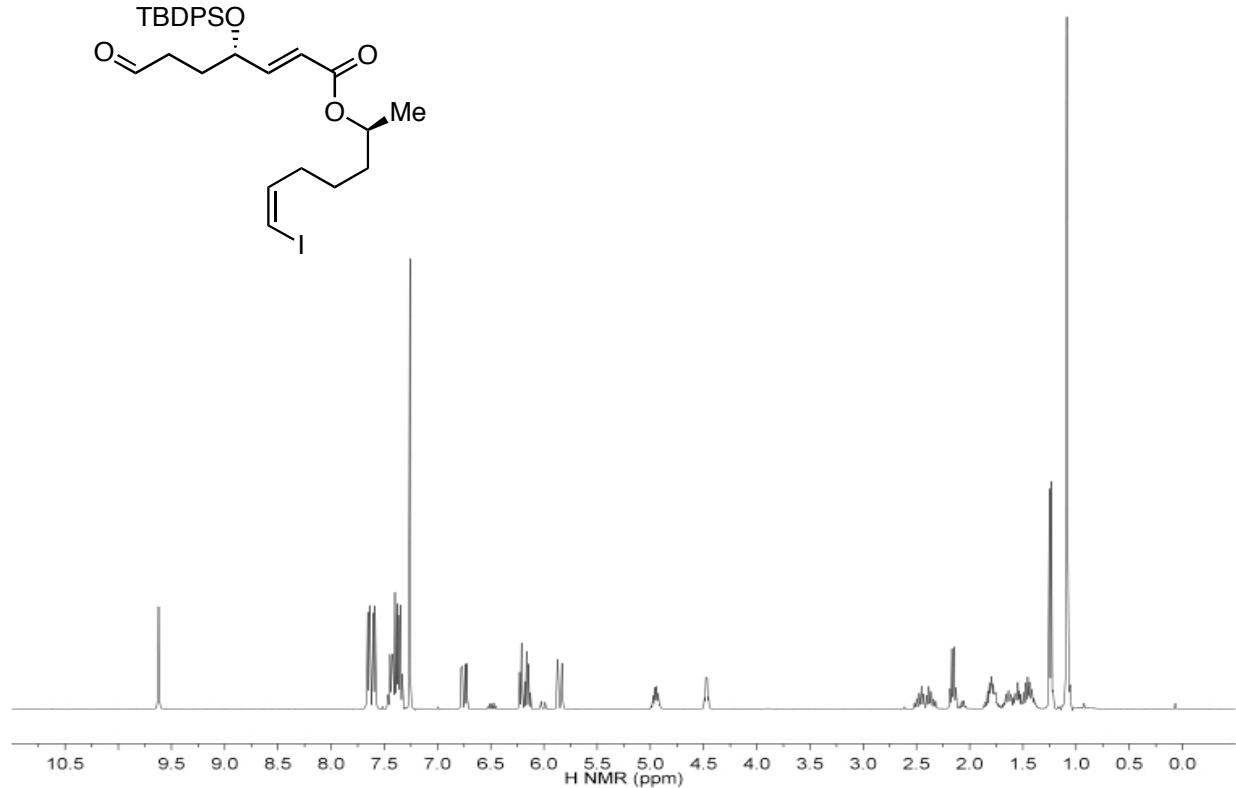
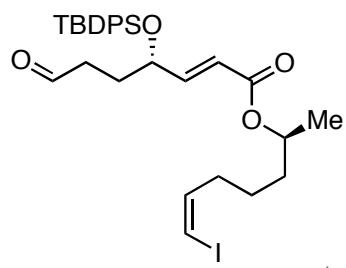


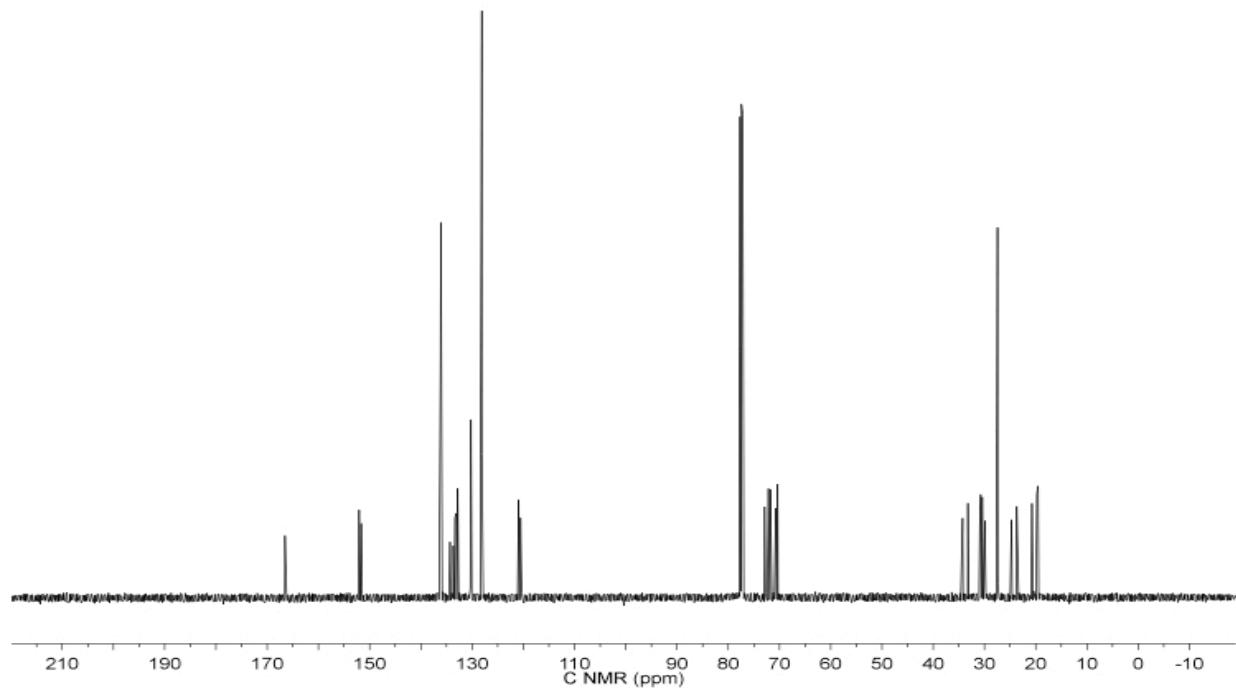
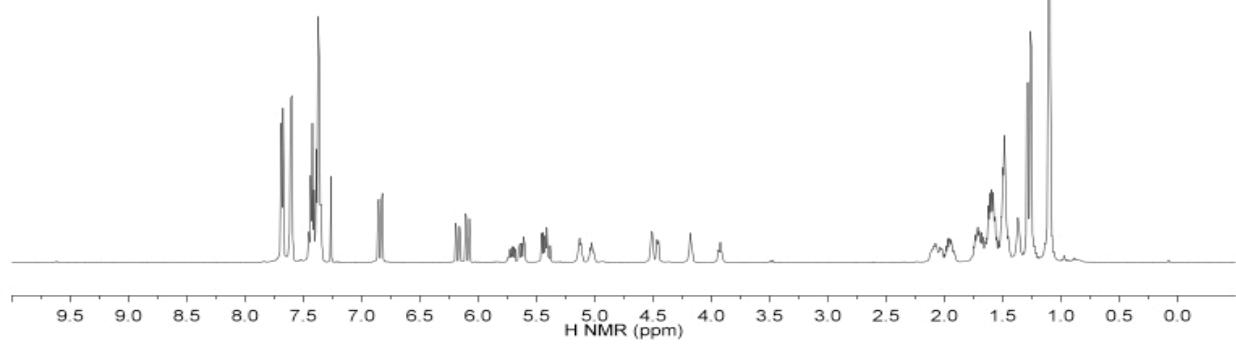
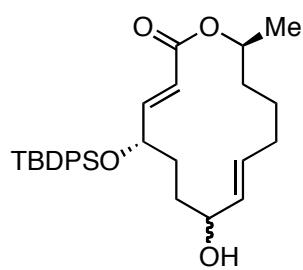


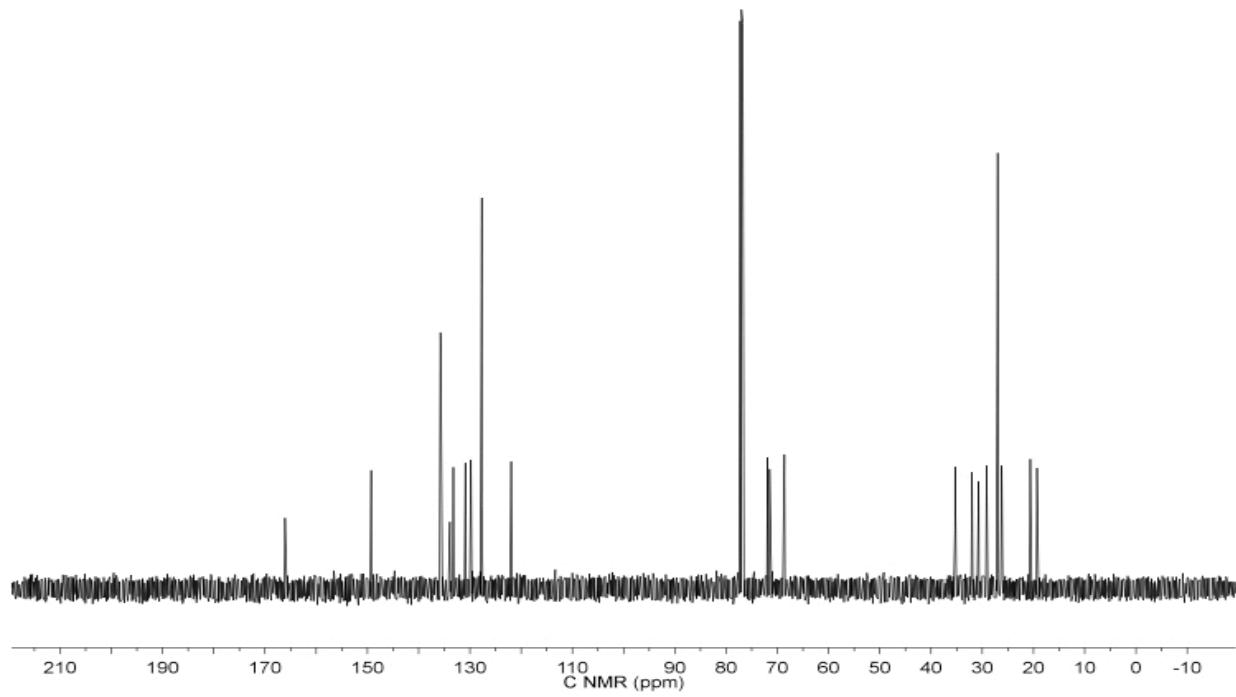
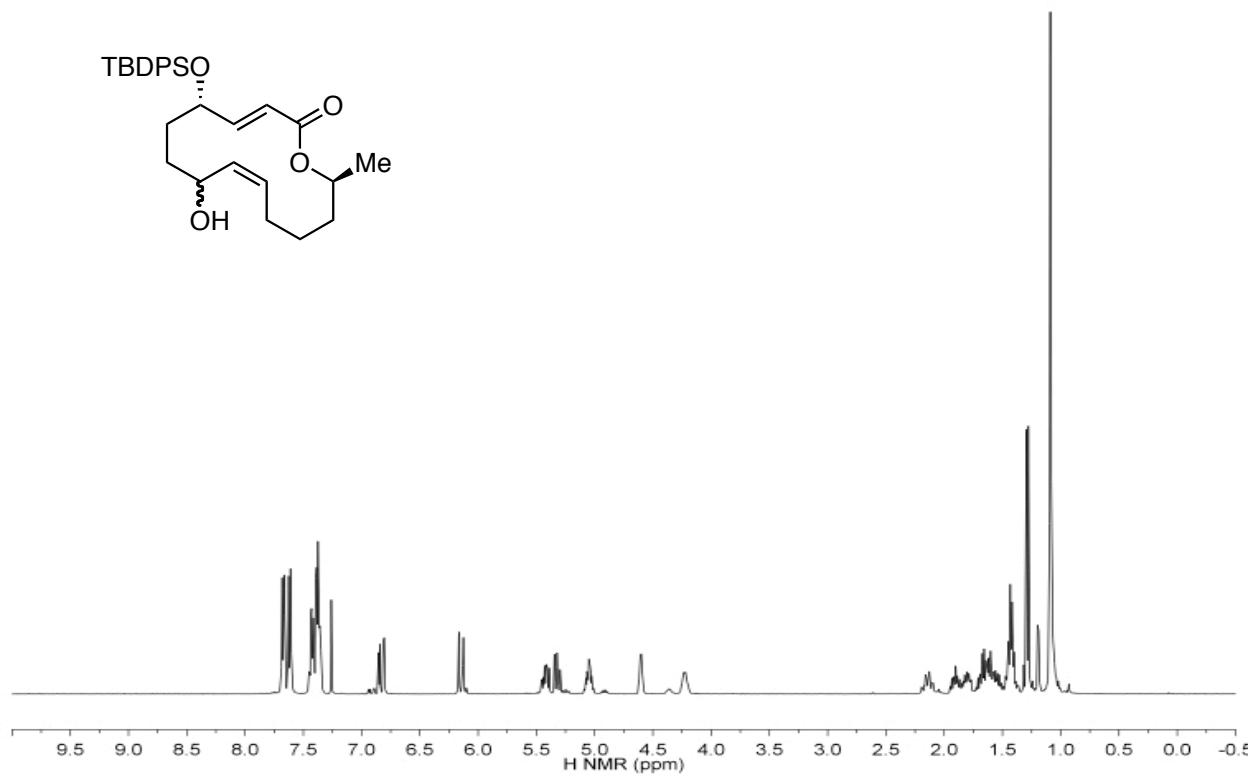
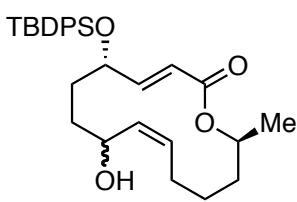


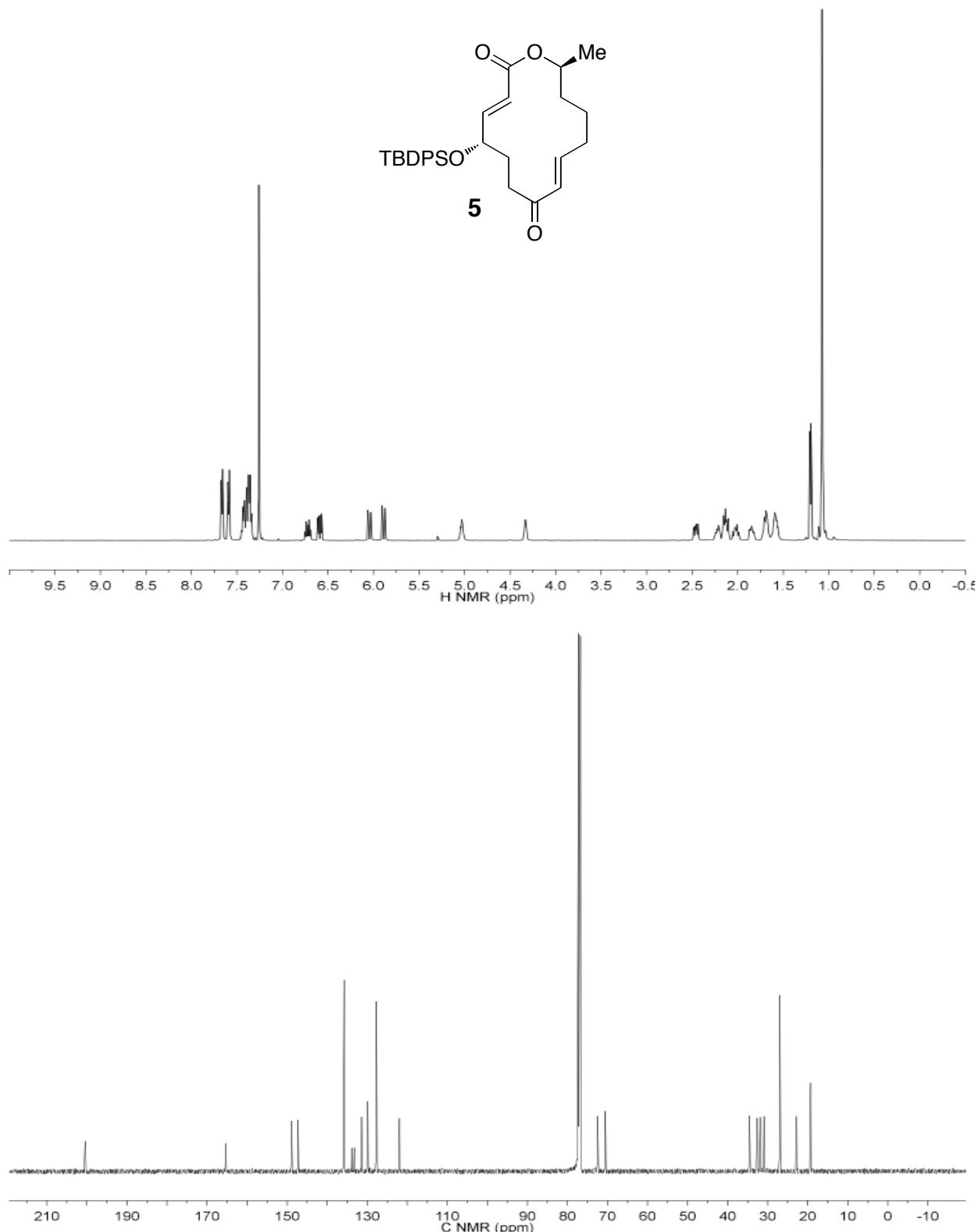


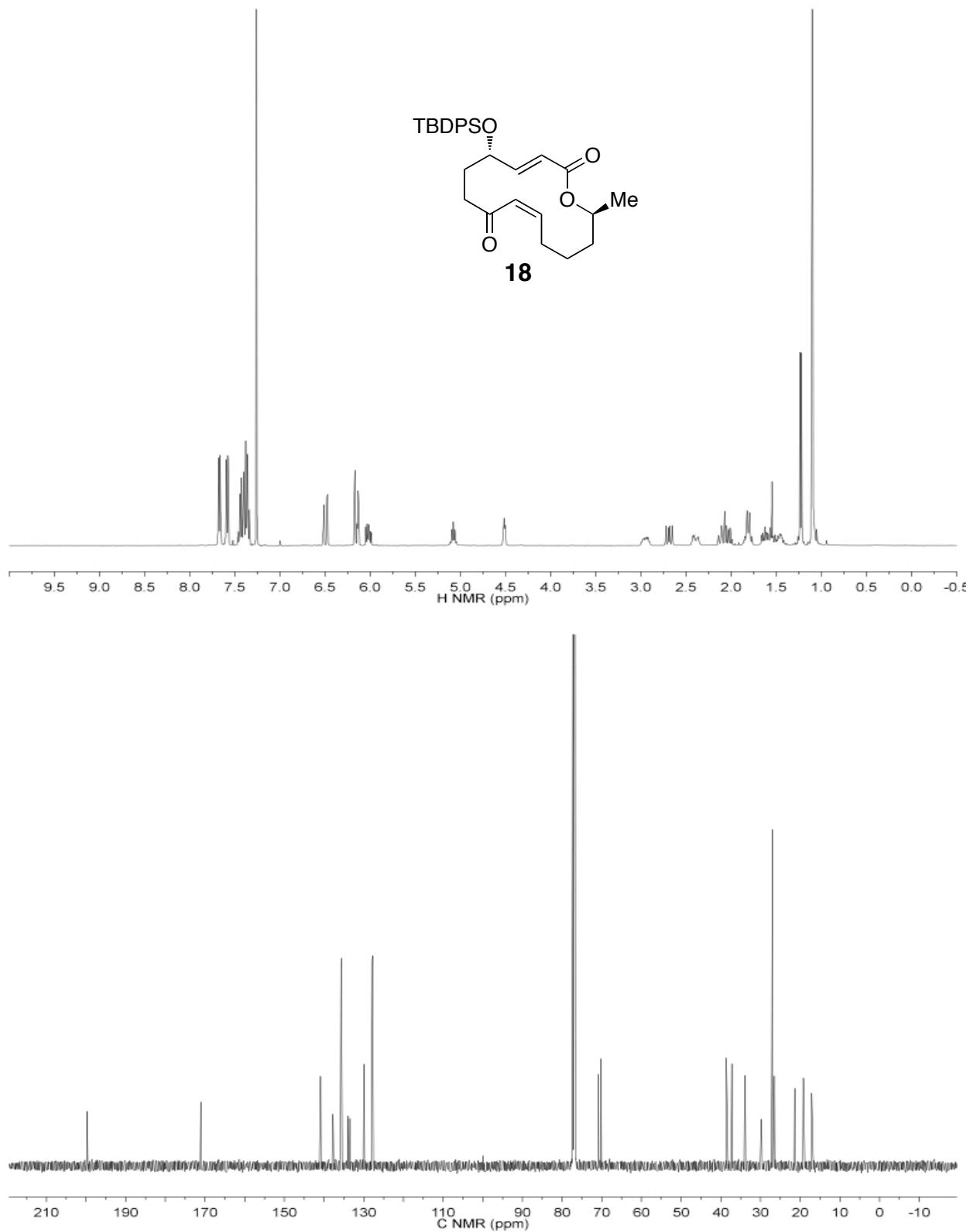


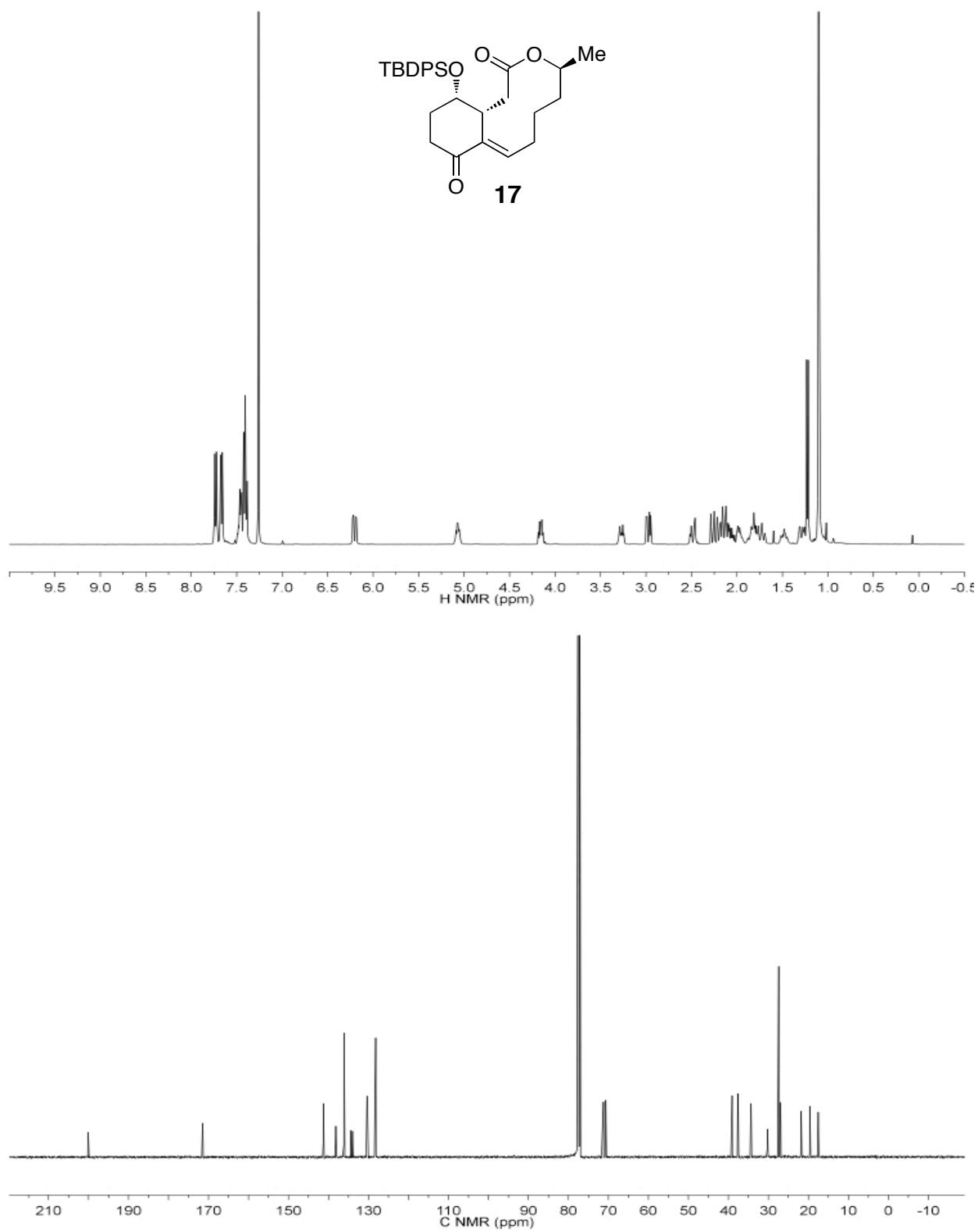
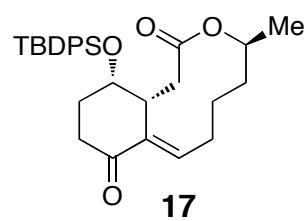


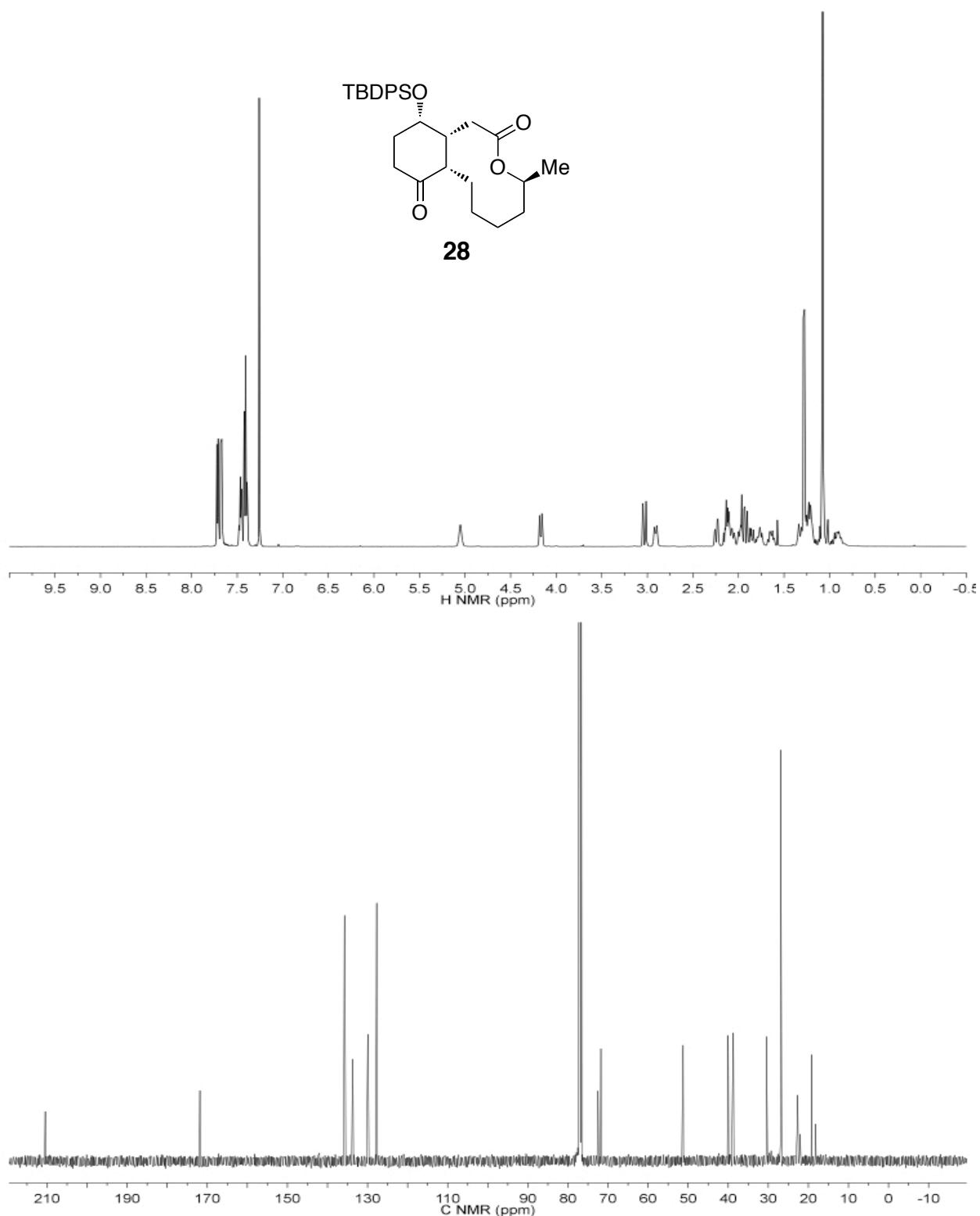
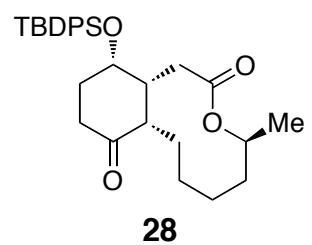


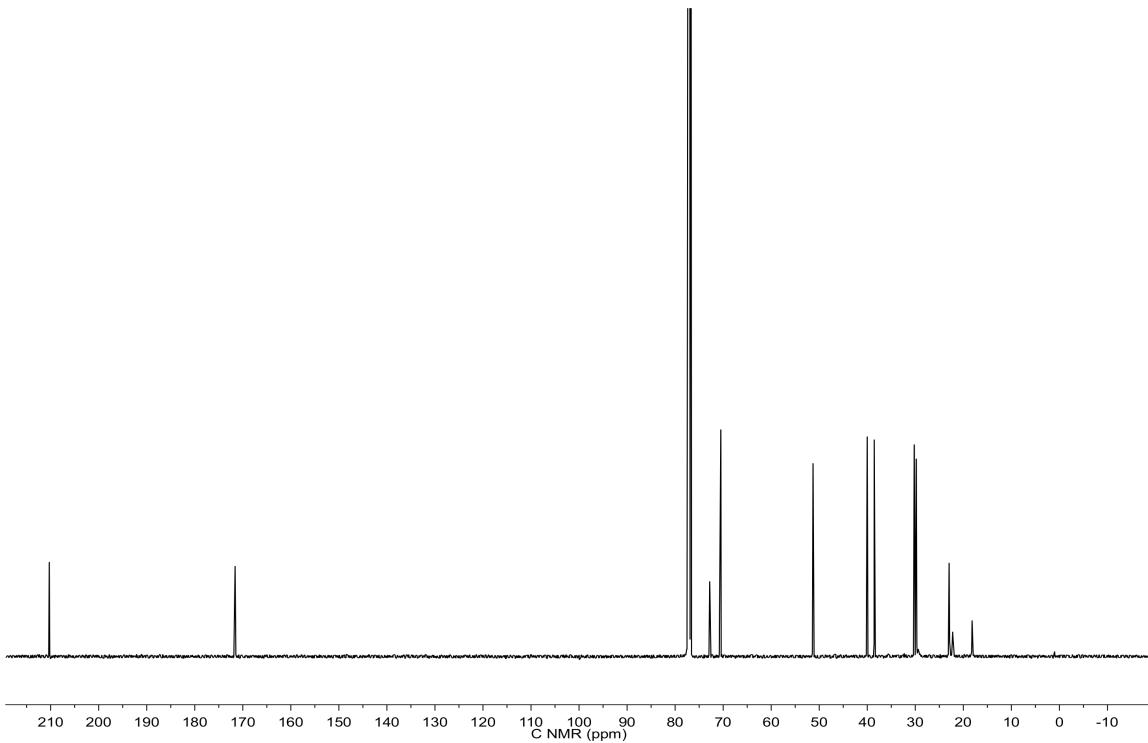
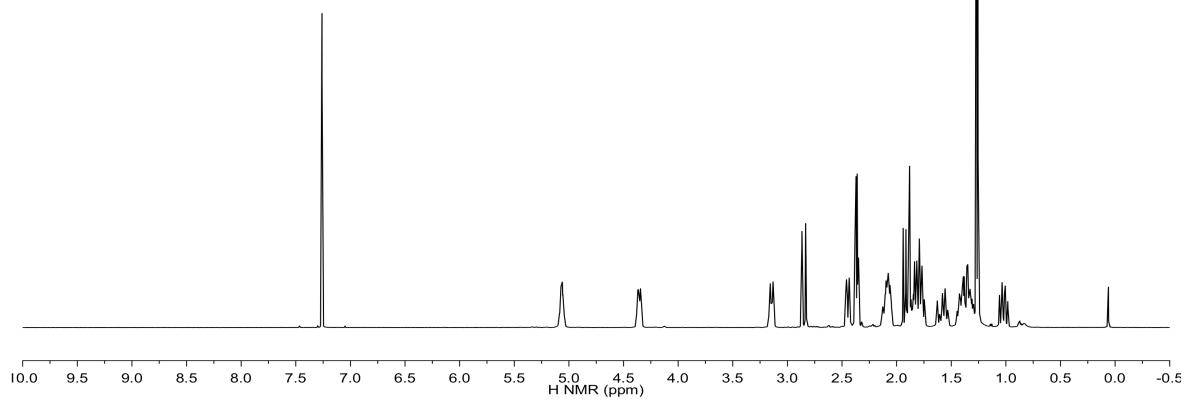
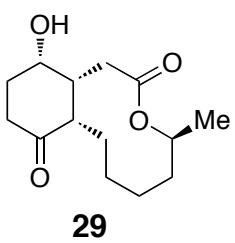


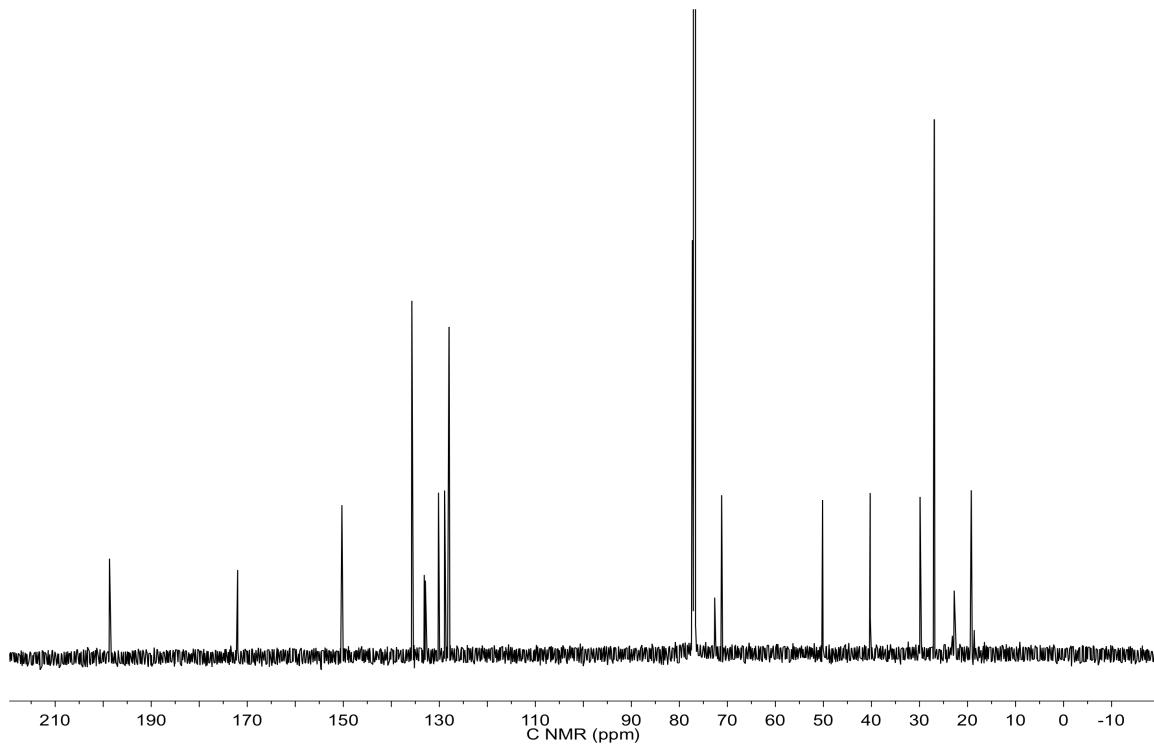
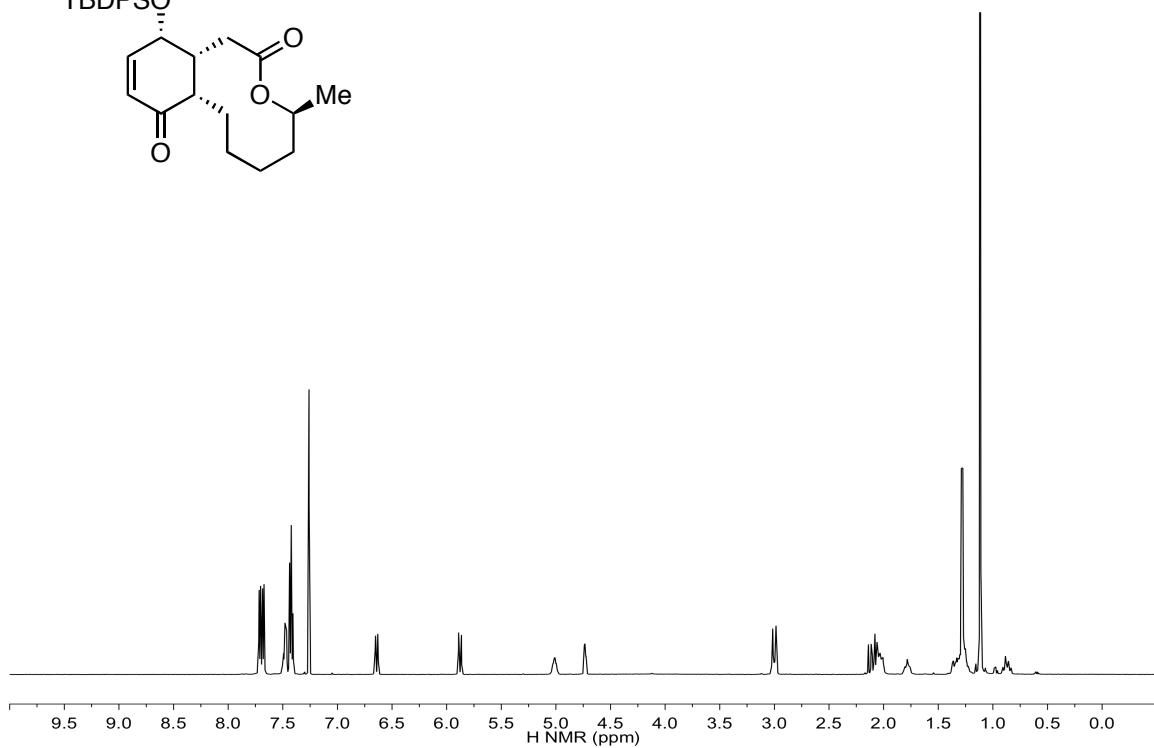
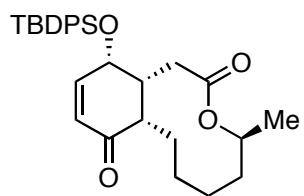


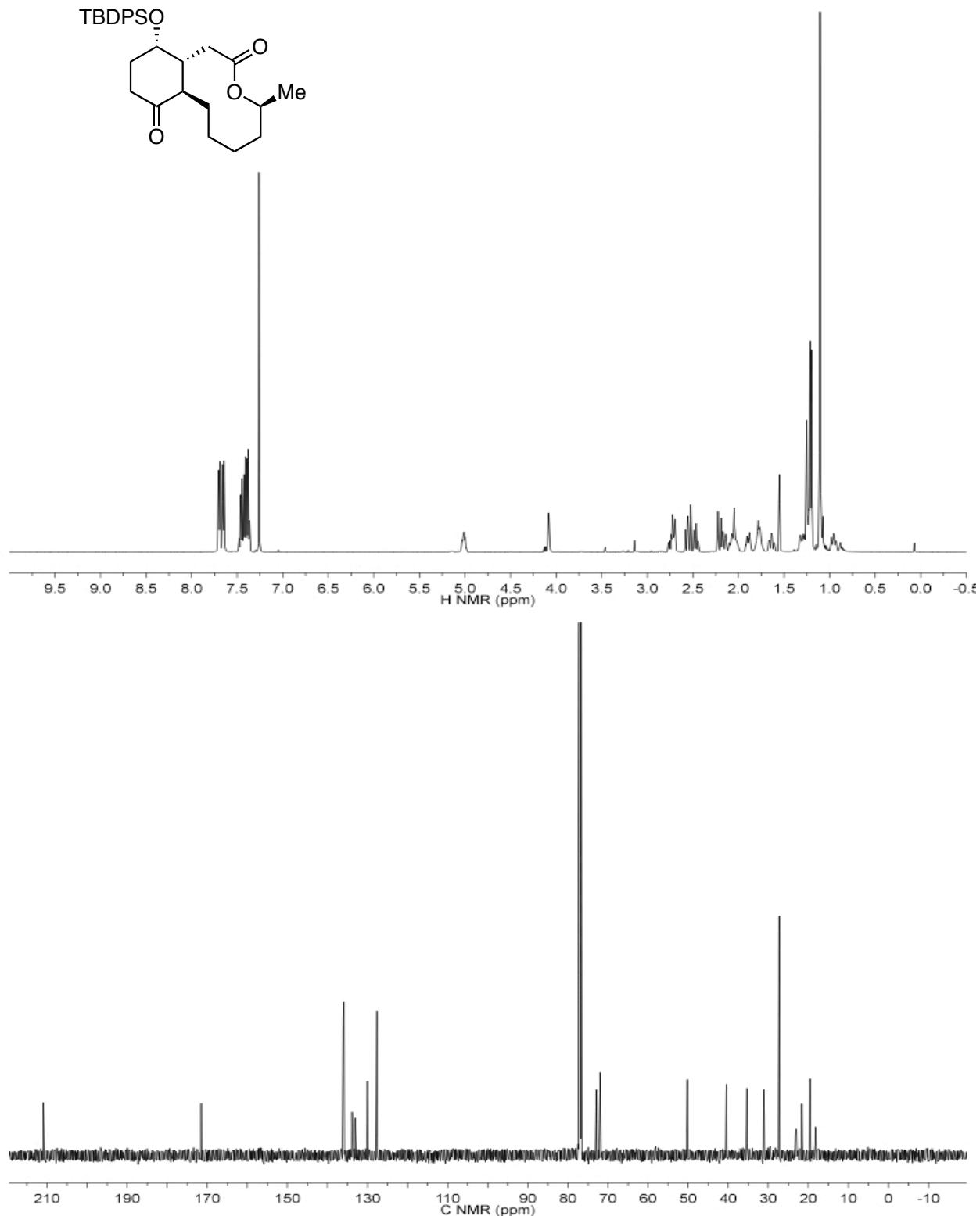
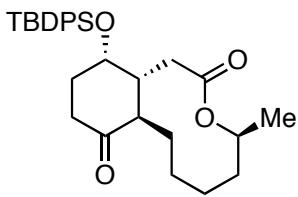


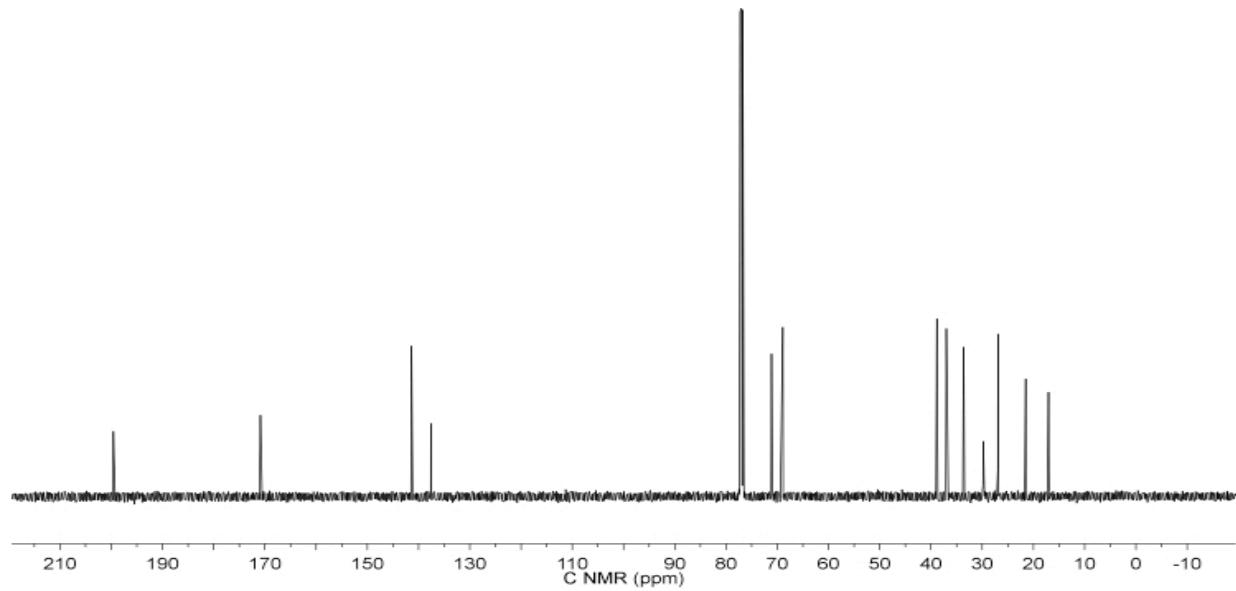
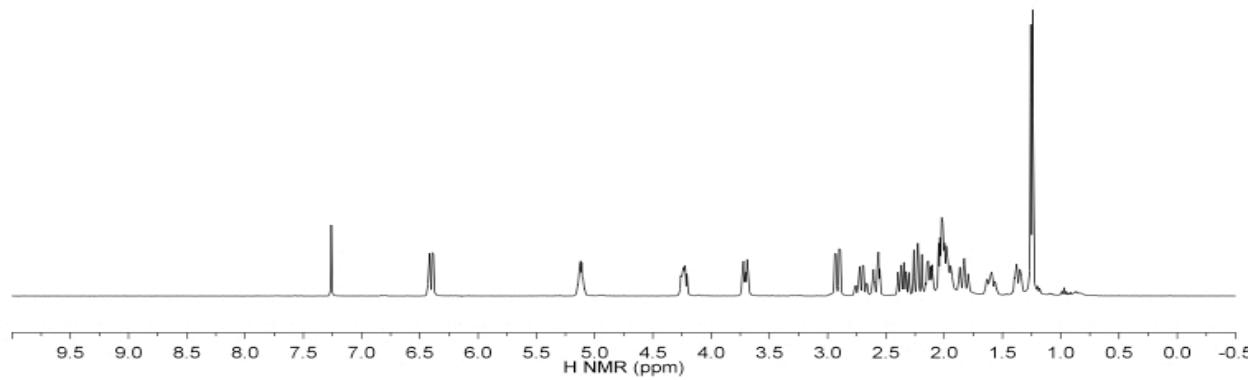
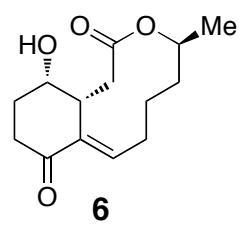


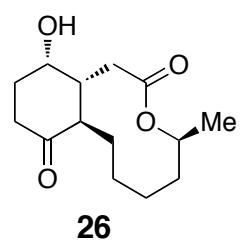




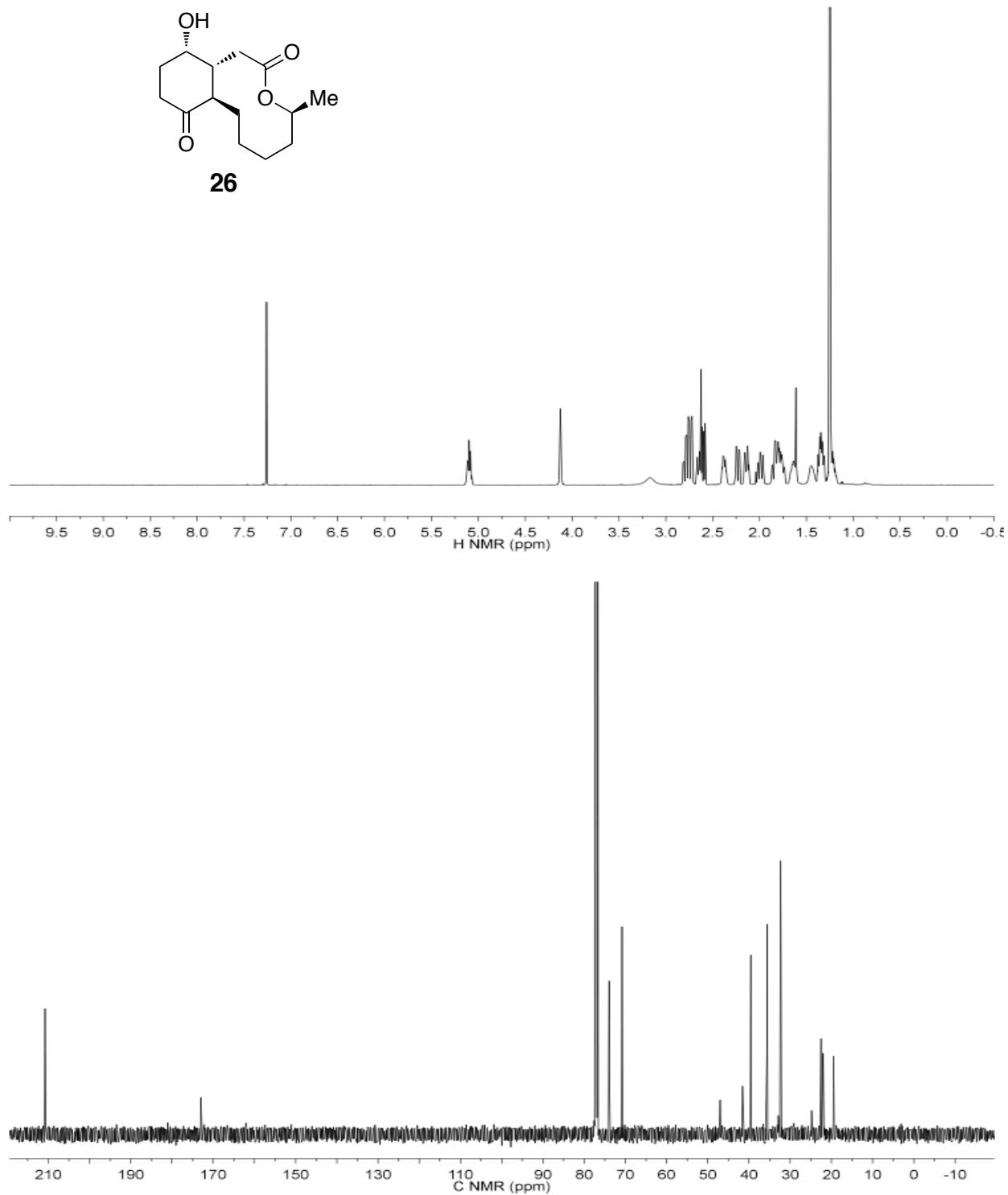


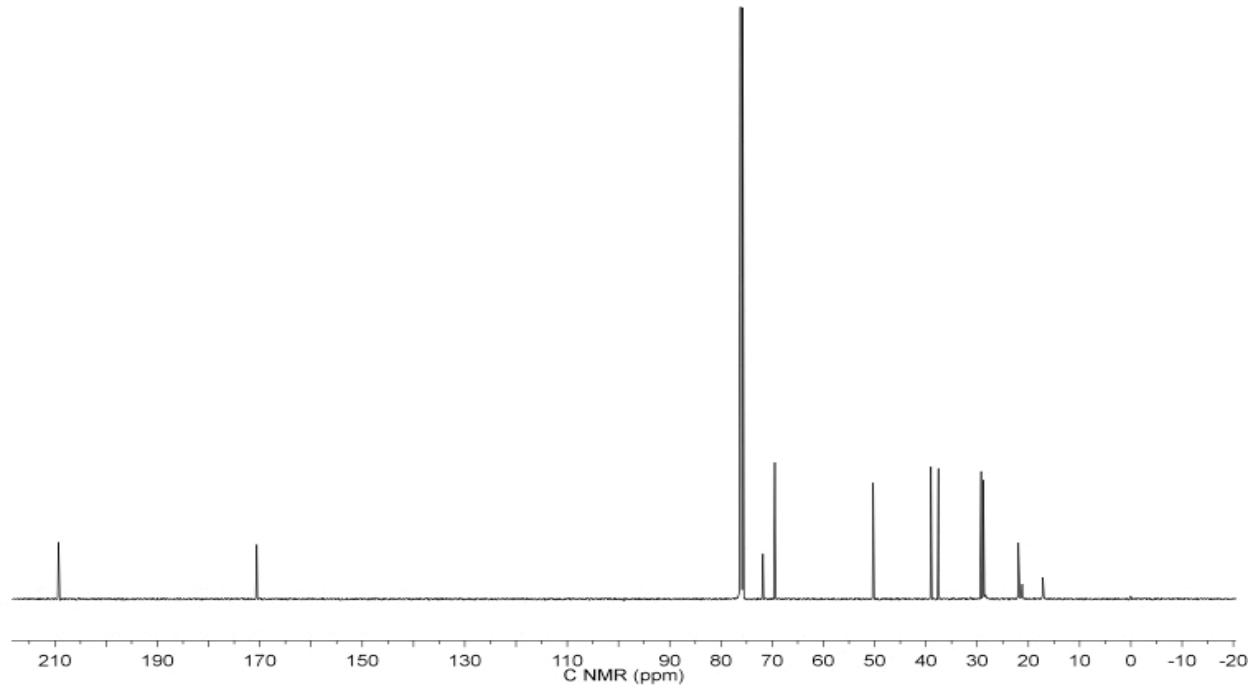
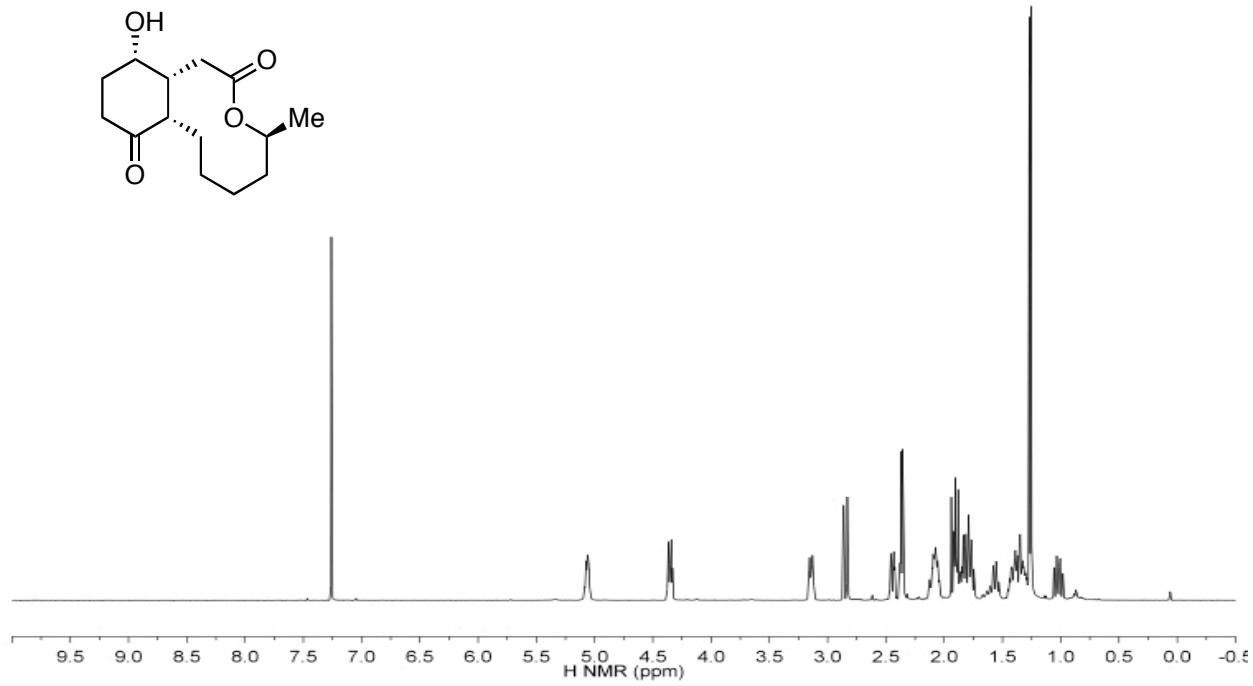
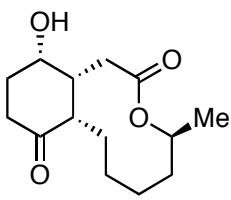


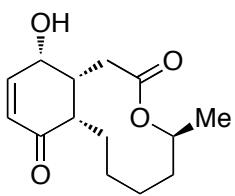




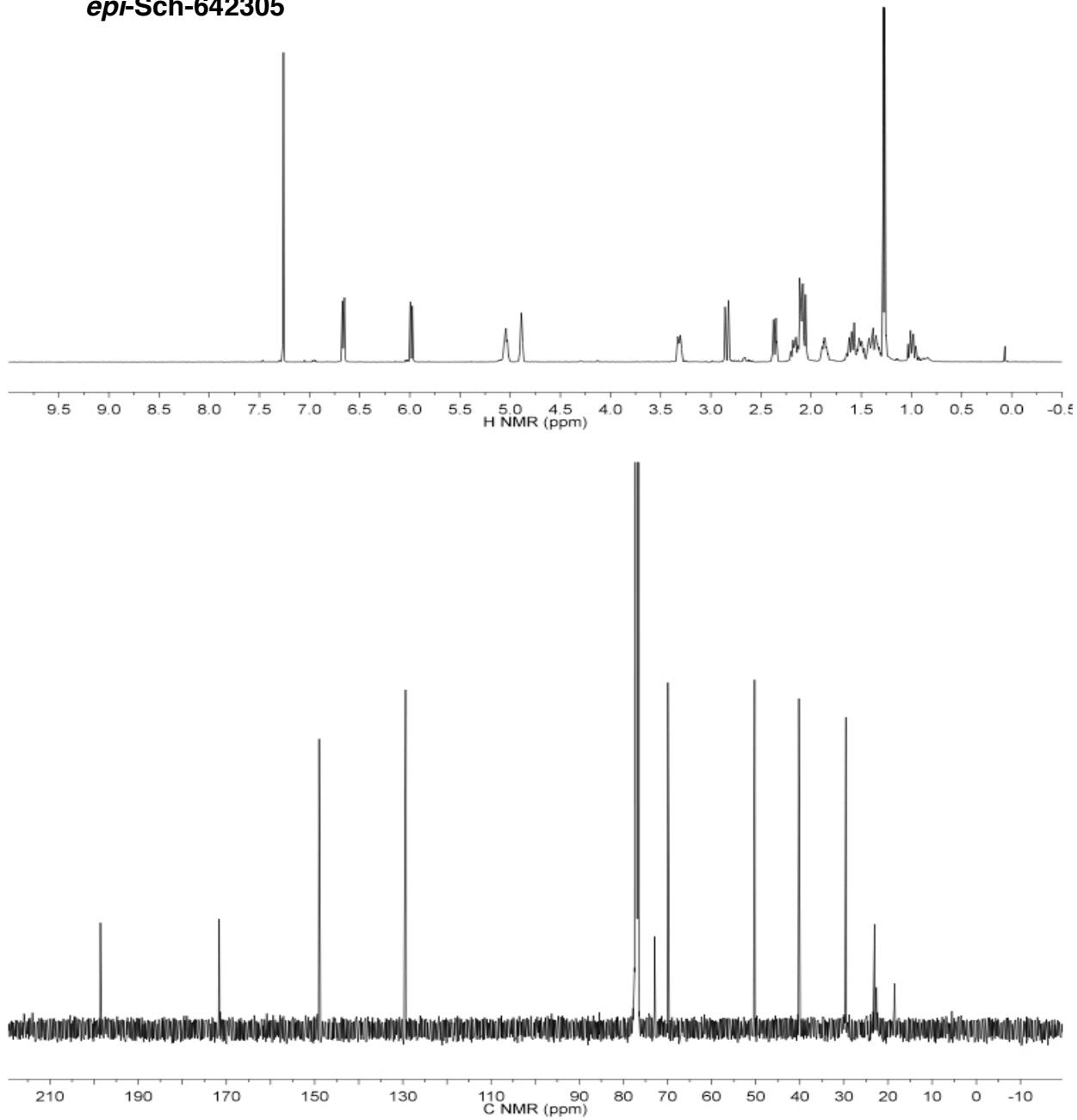
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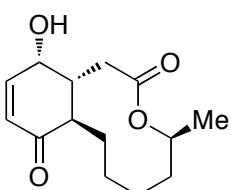




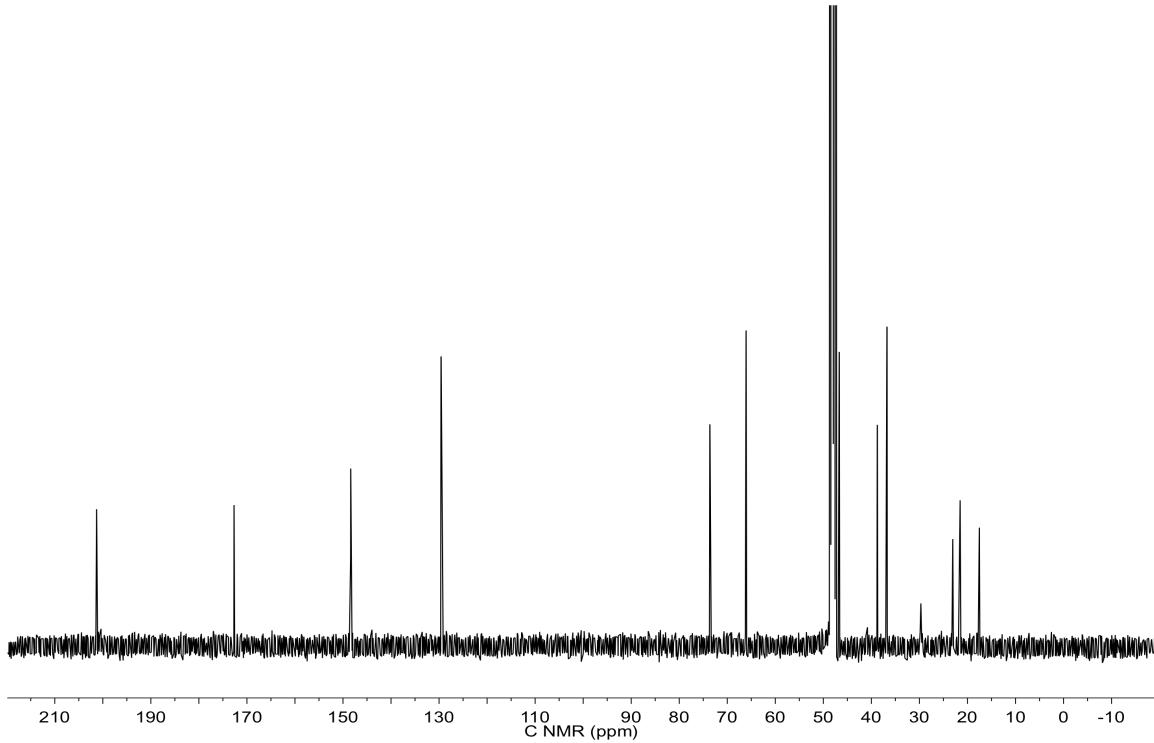
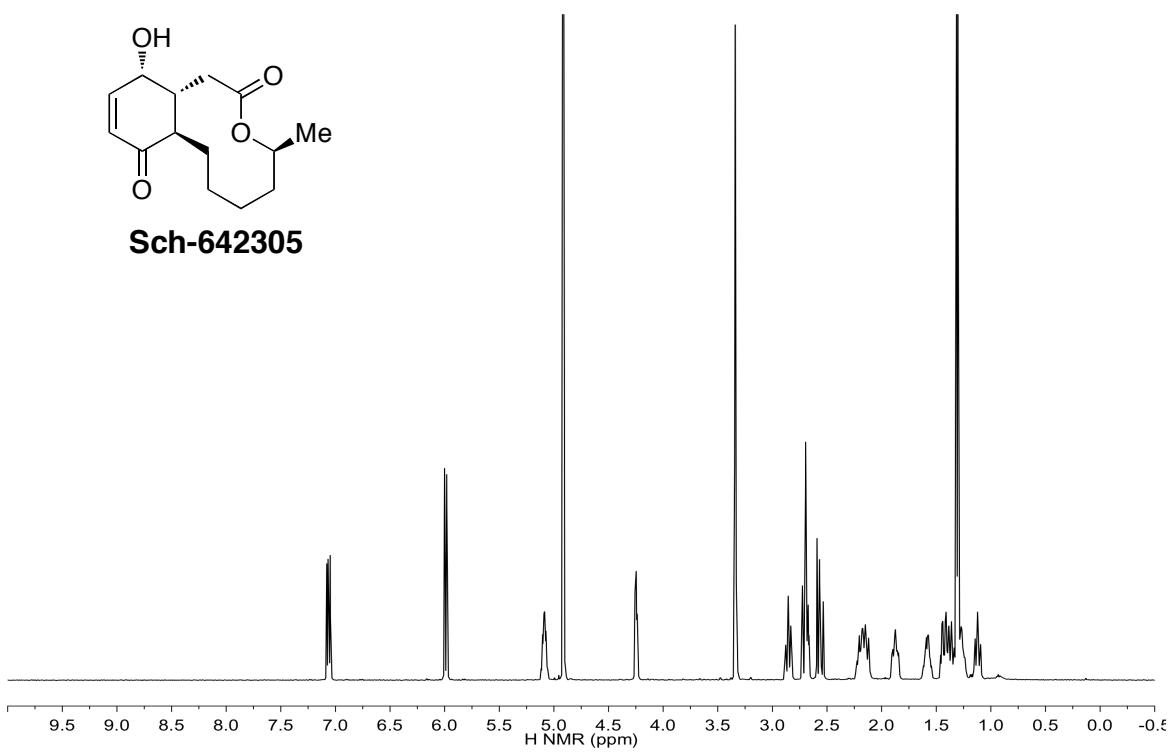


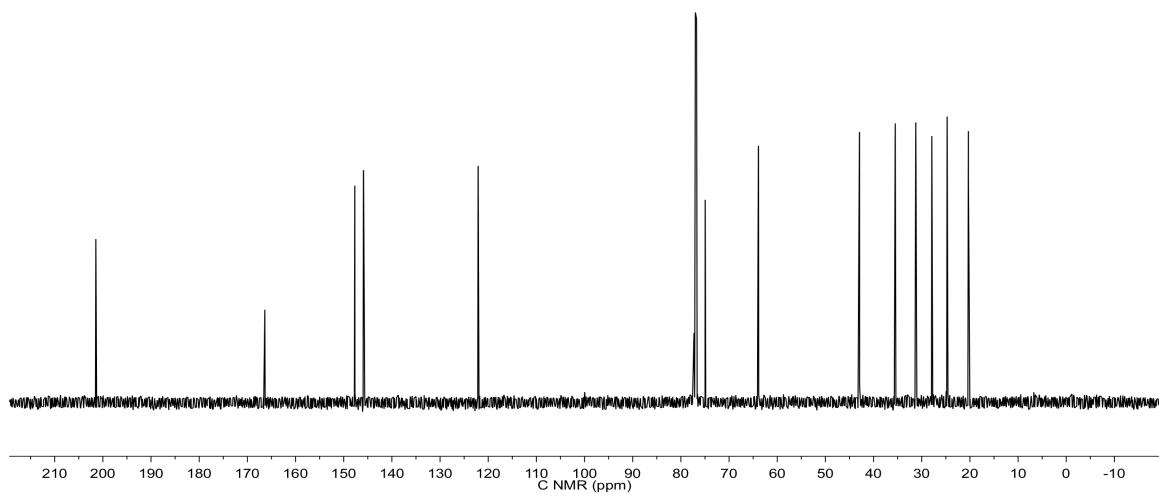
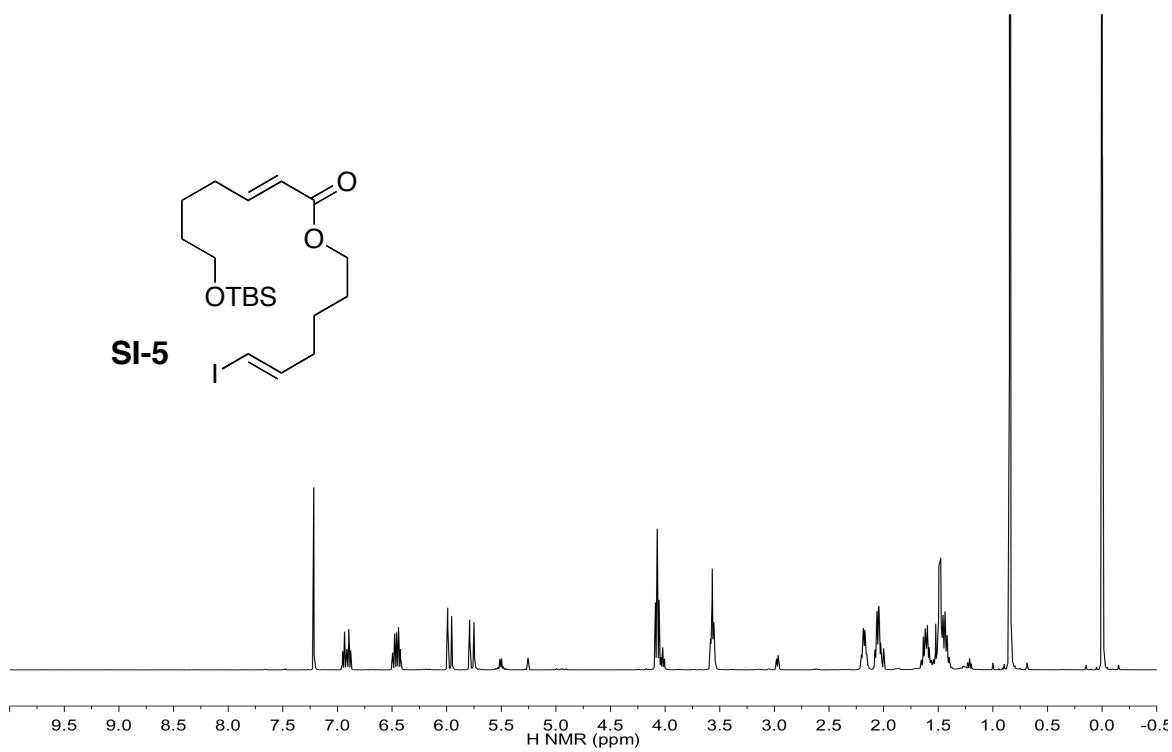
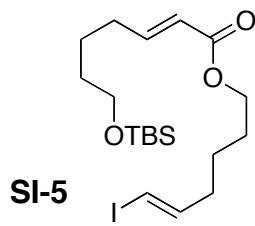
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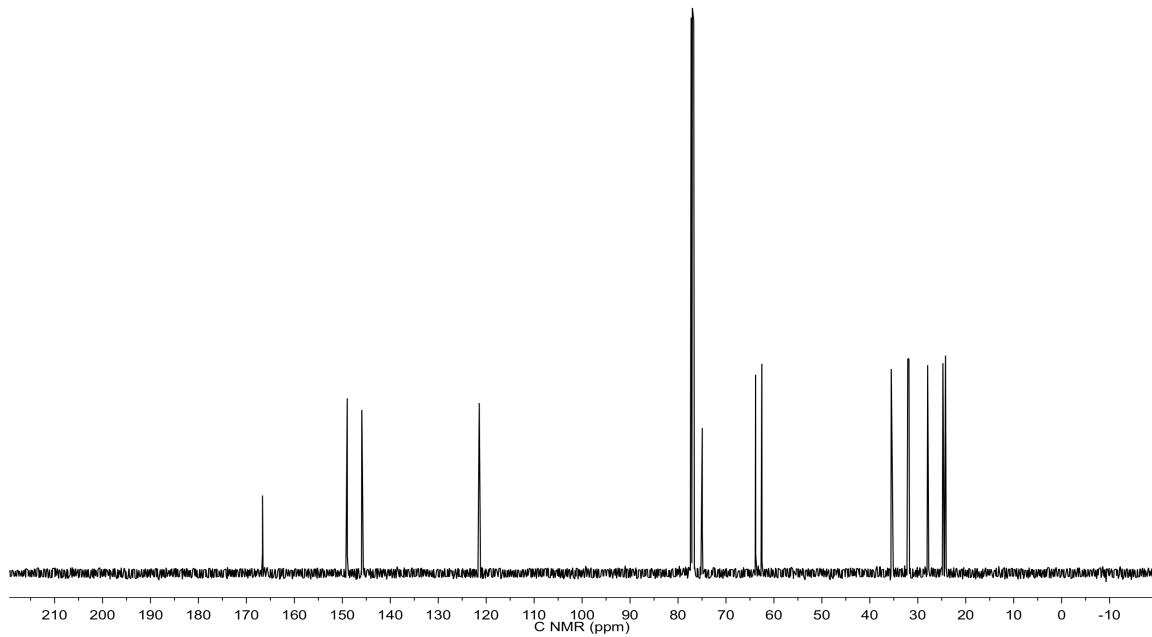
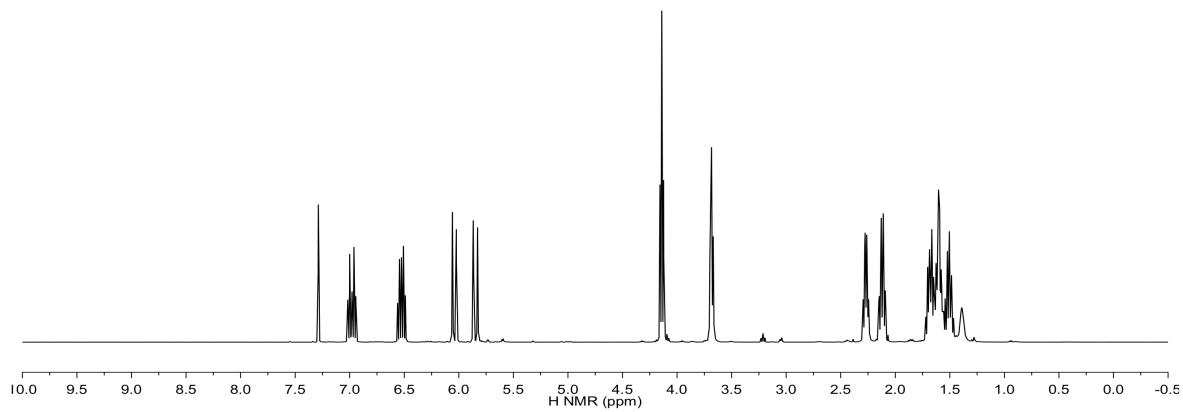
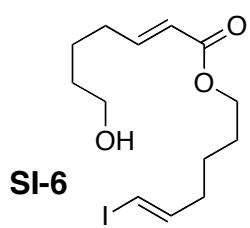




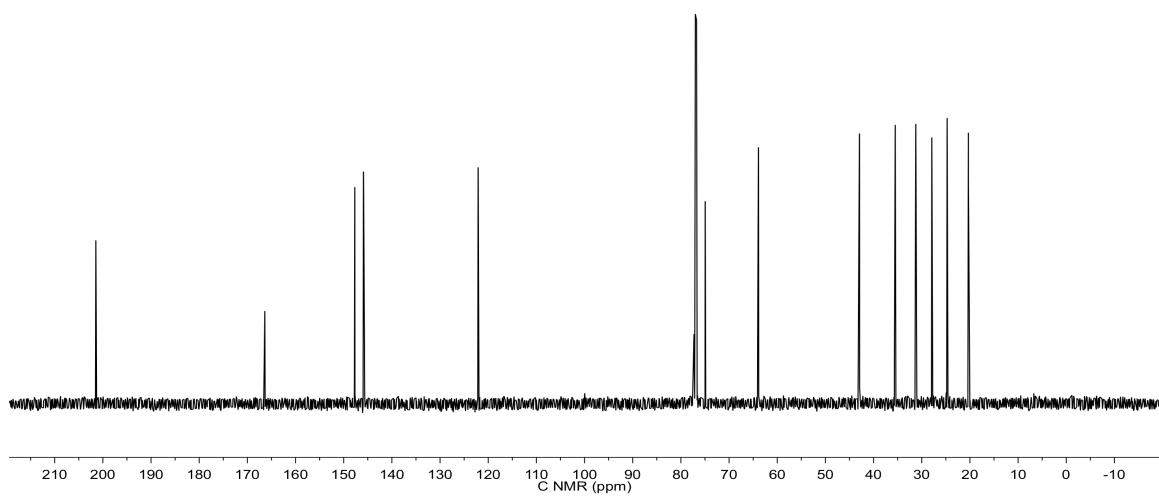
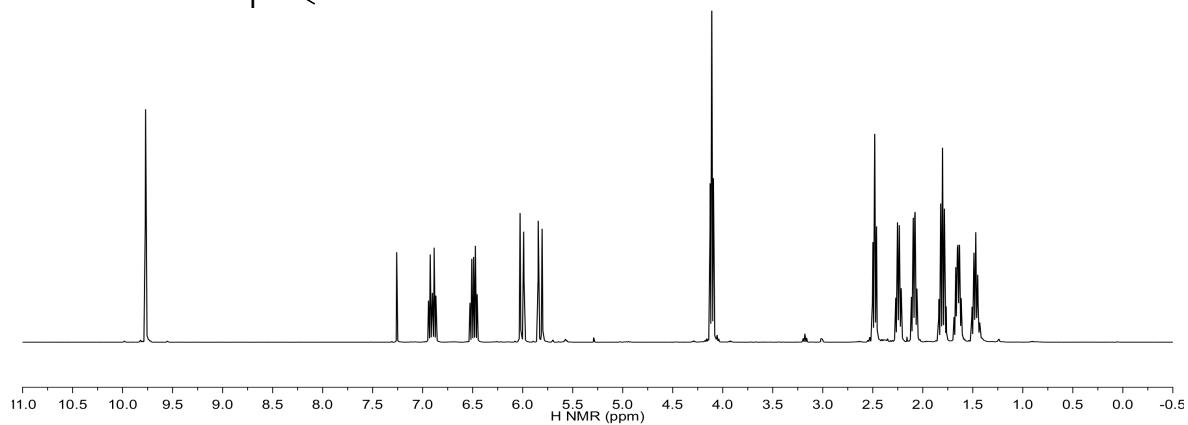
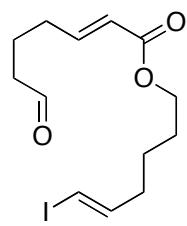
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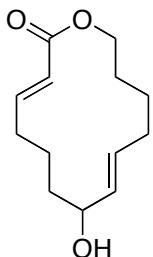




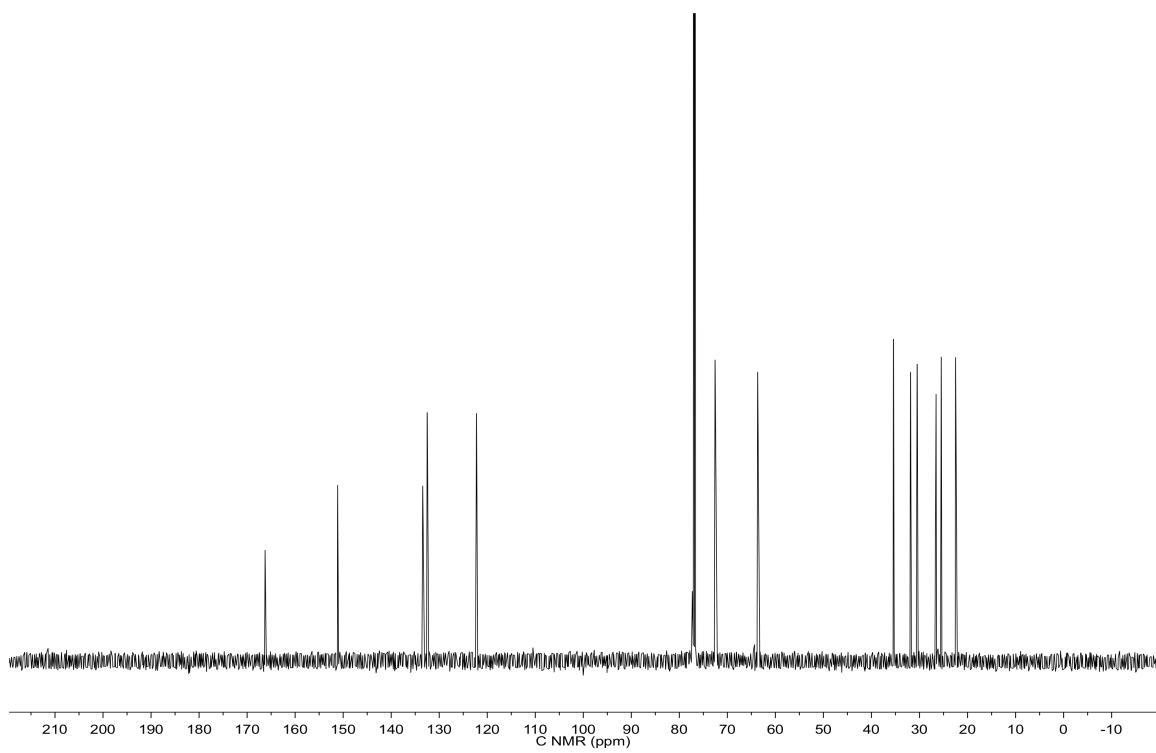
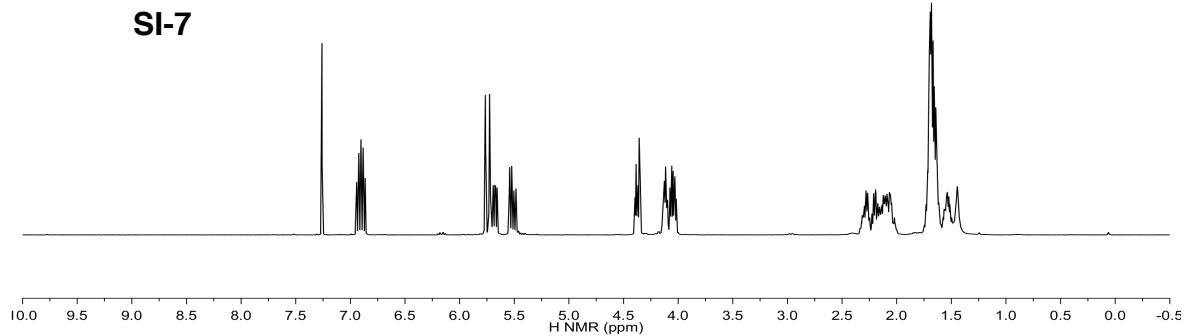


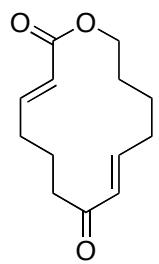
S-173



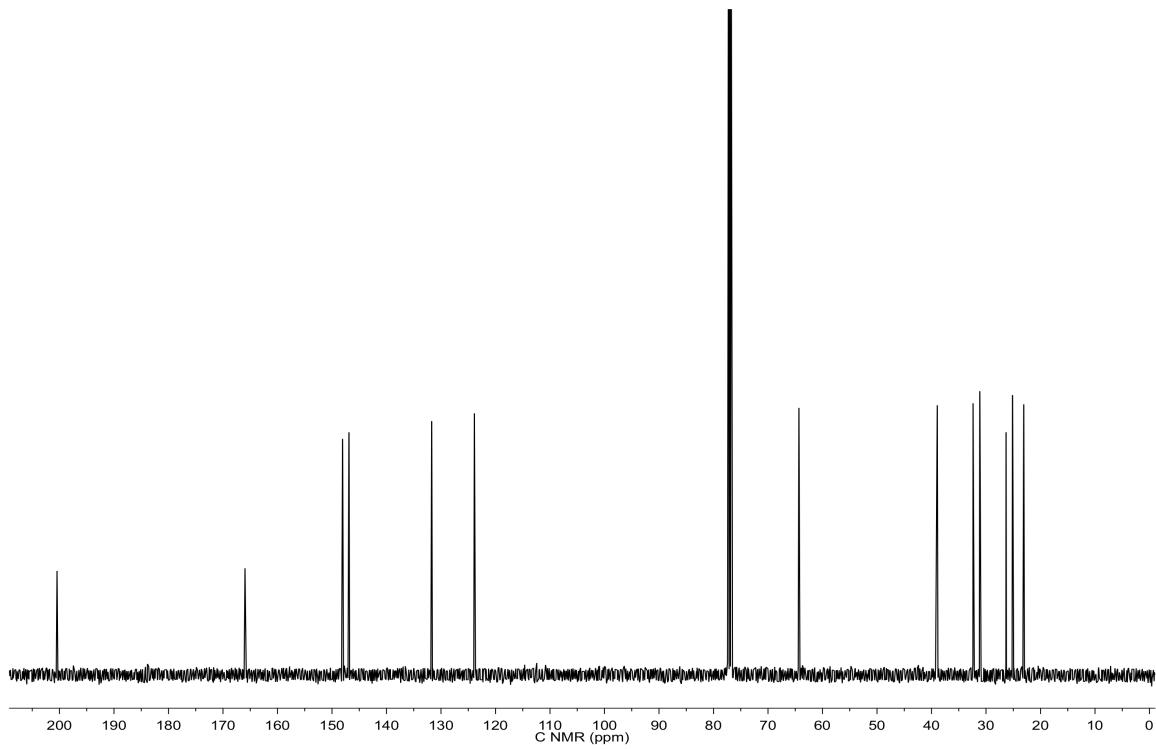
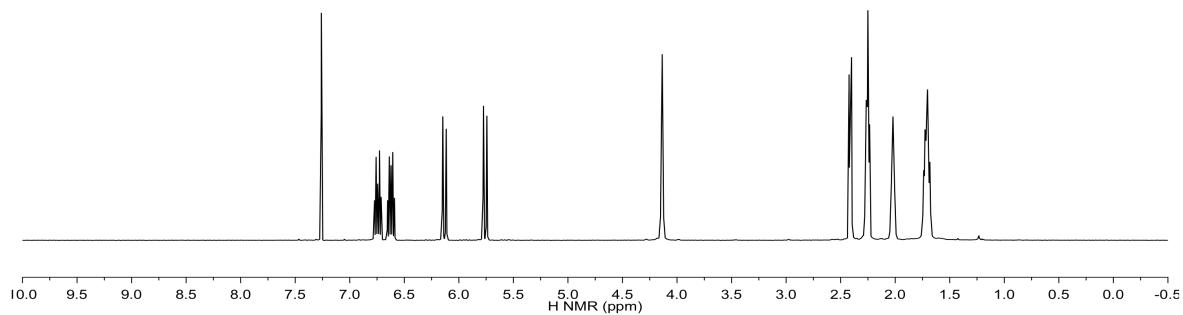


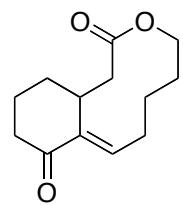
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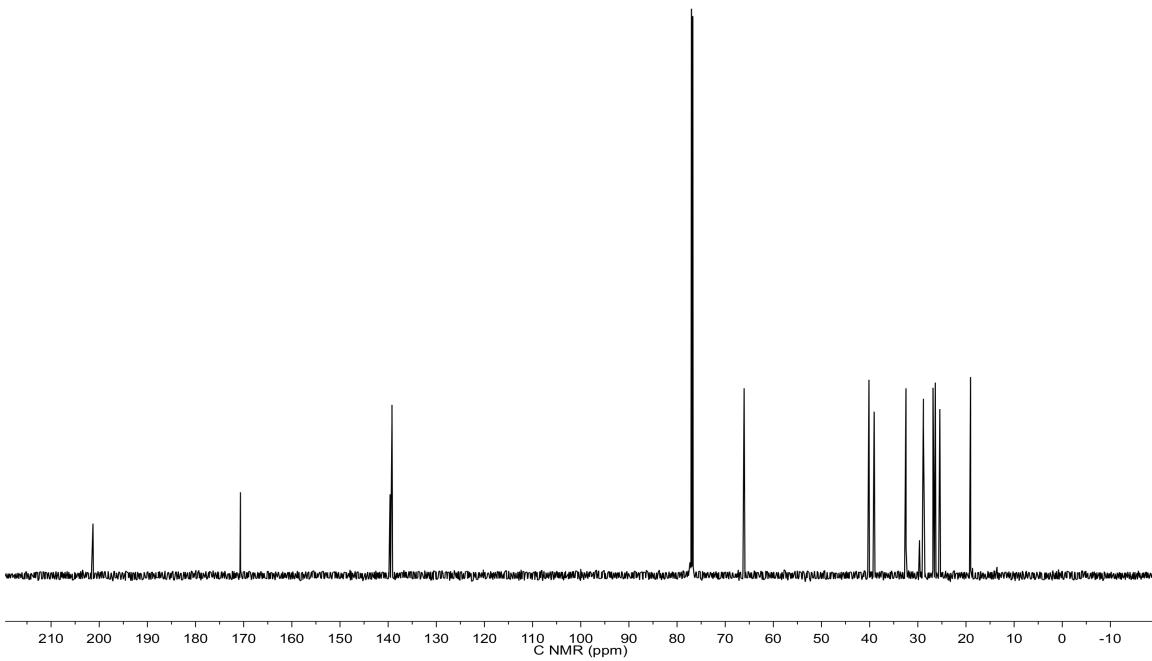
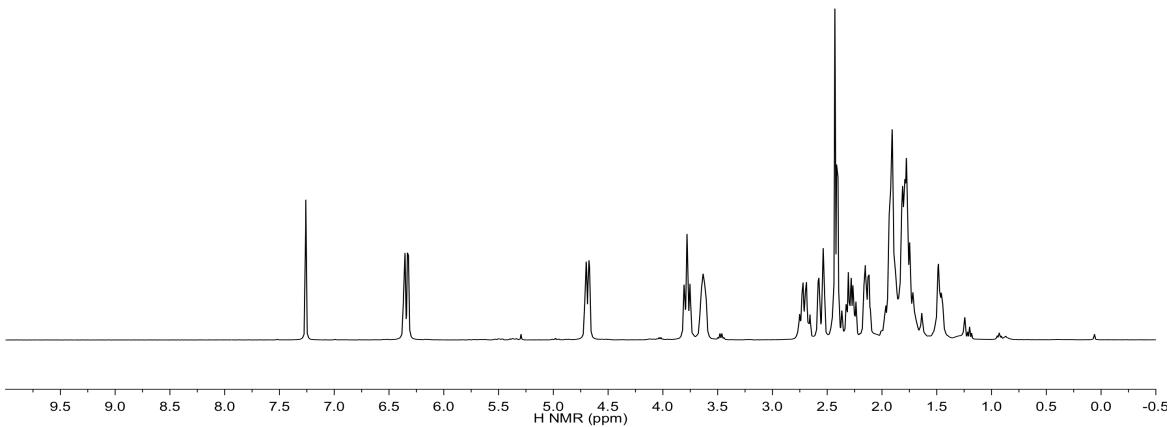


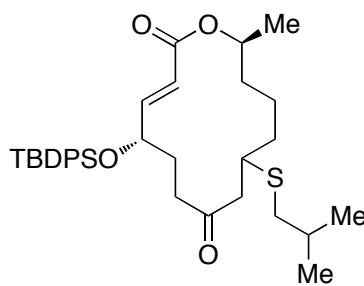
**24**



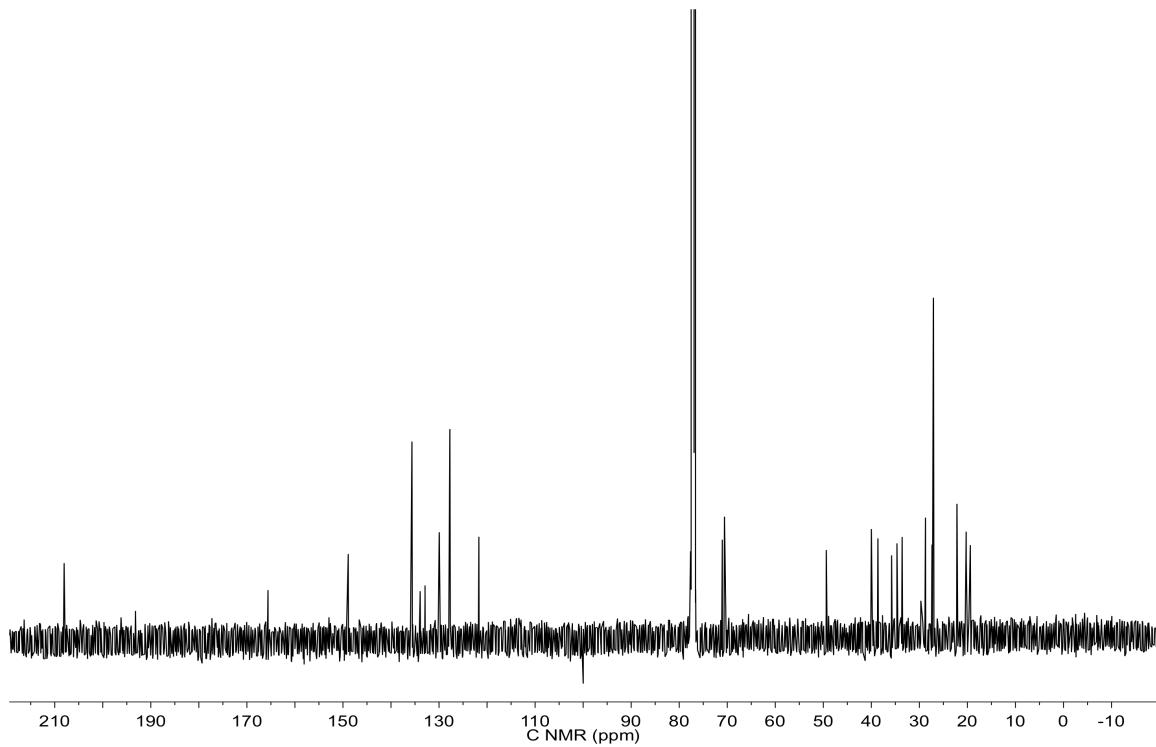
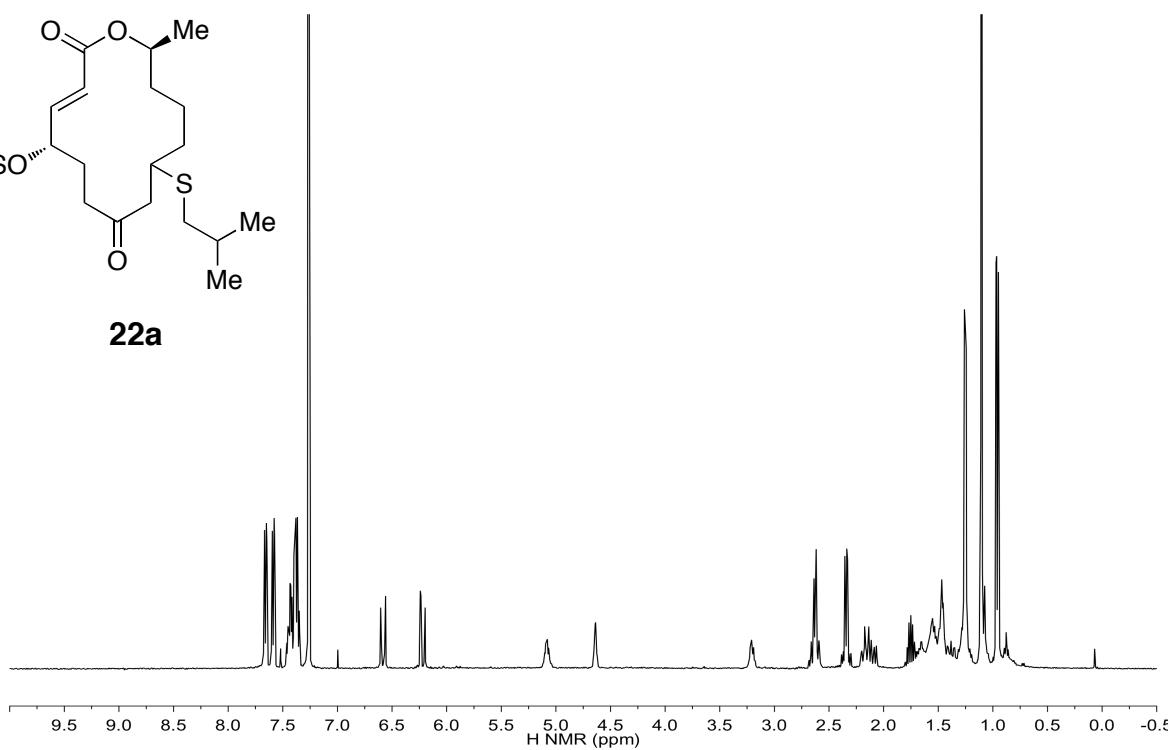


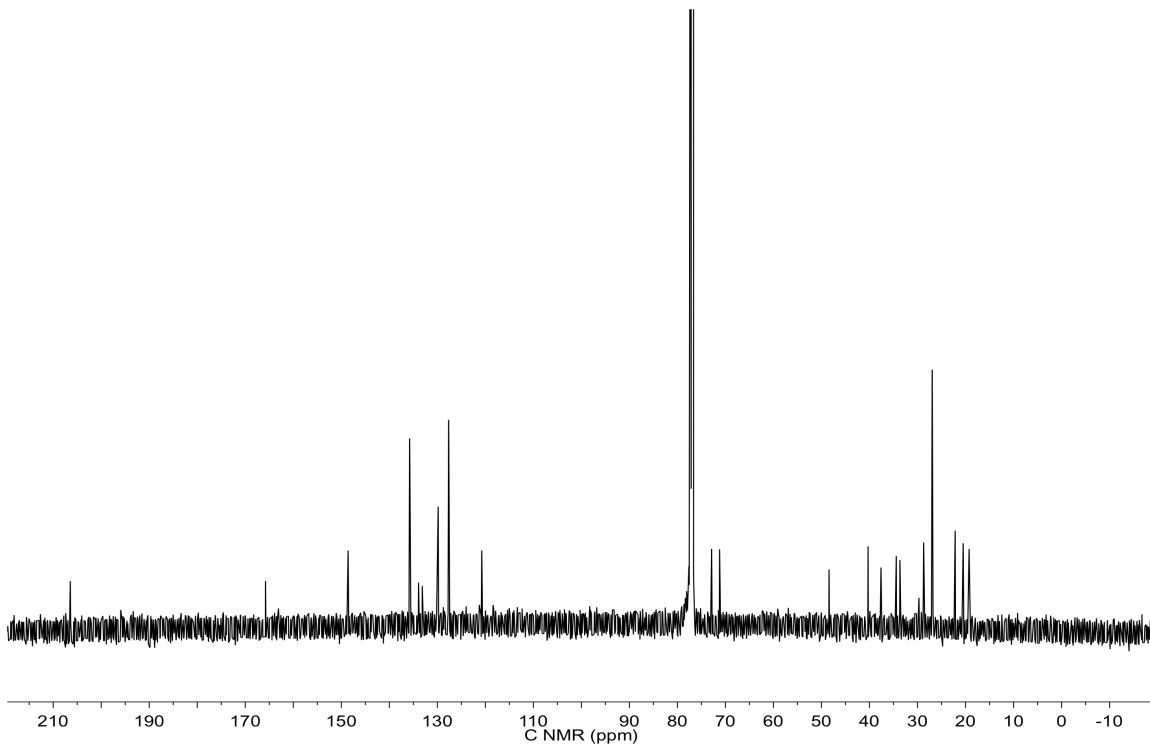
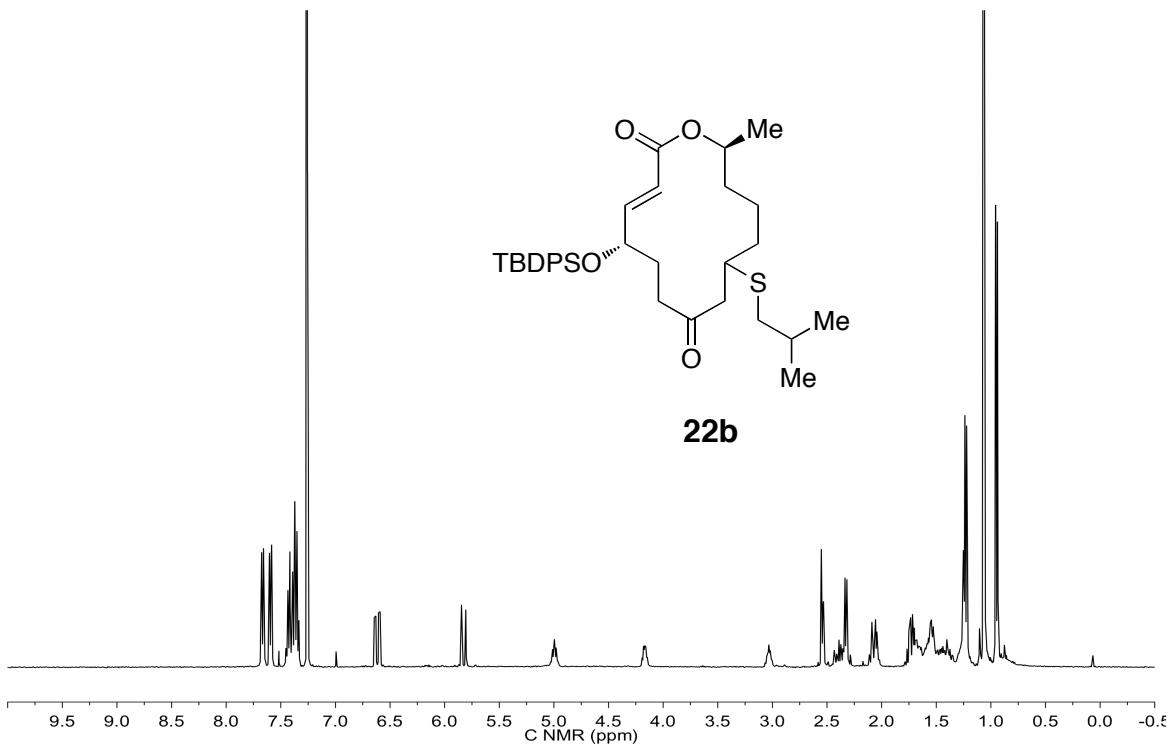
**25**

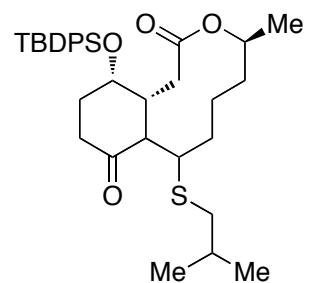




**22a**







**23**

