

## Support Information

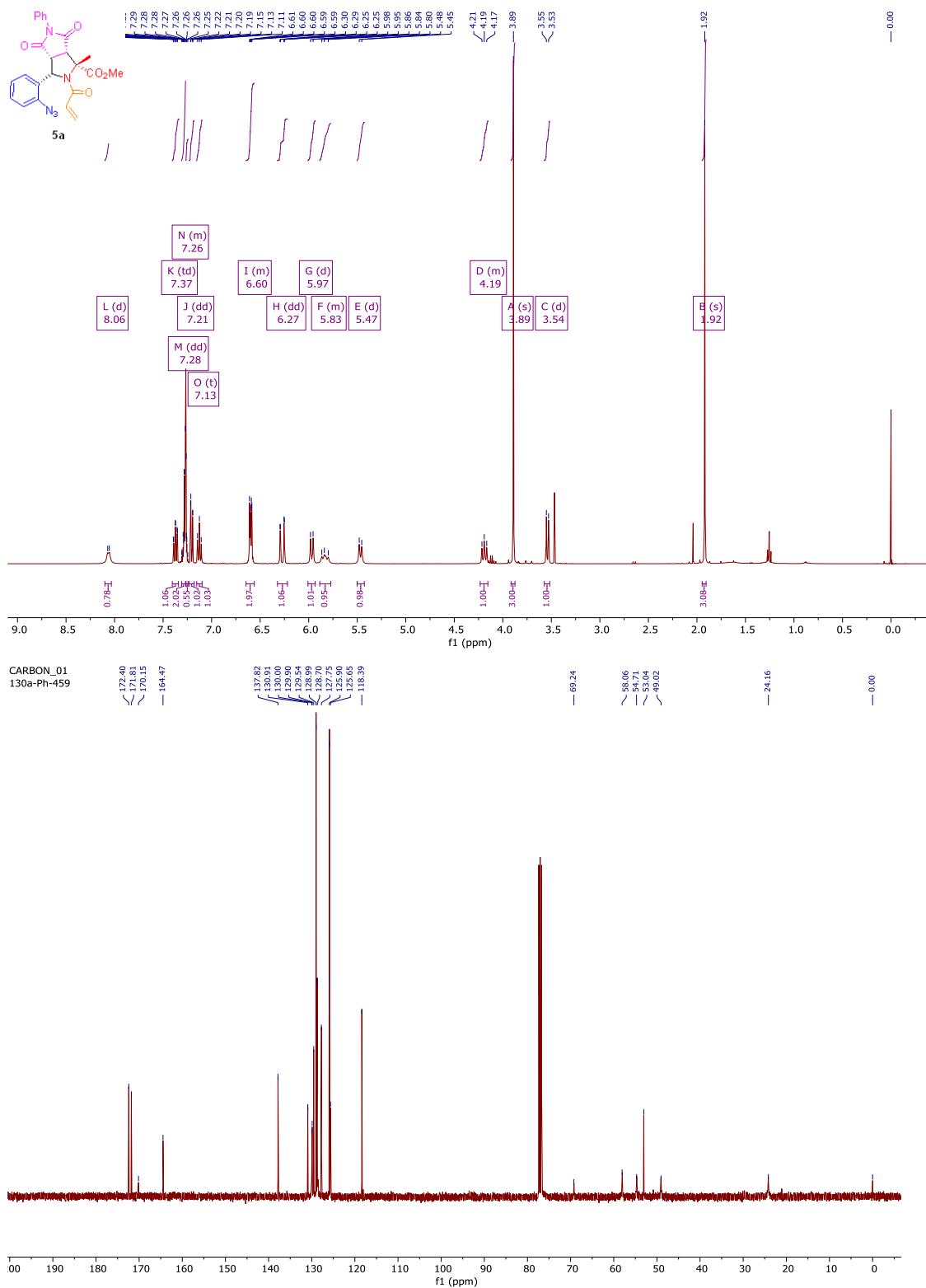
### [3+2] Cycloaddition and Cascade Radical Reactions for the Synthesis of Trifluoromethylated Tetrahydrobenzodiazepin-3-Ones

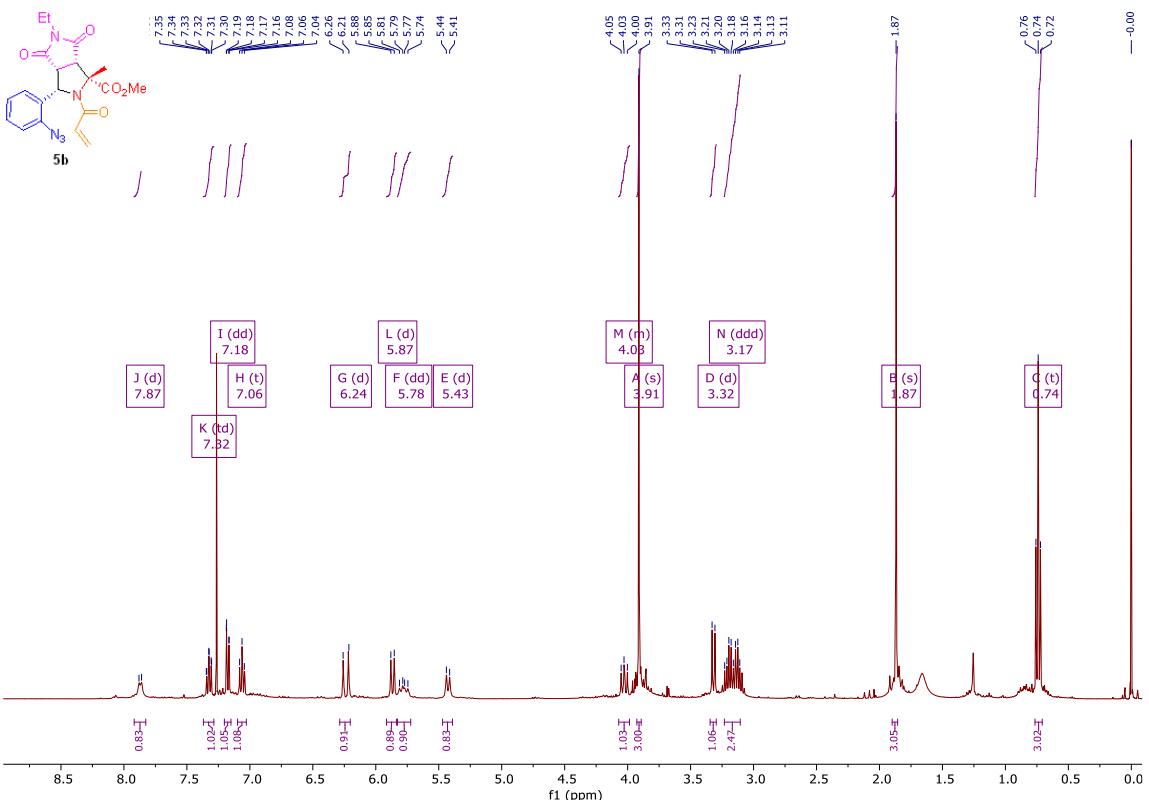
Alex Muthengi, Jon Erickson, Rachel E Muriph, Wei Zhang\*

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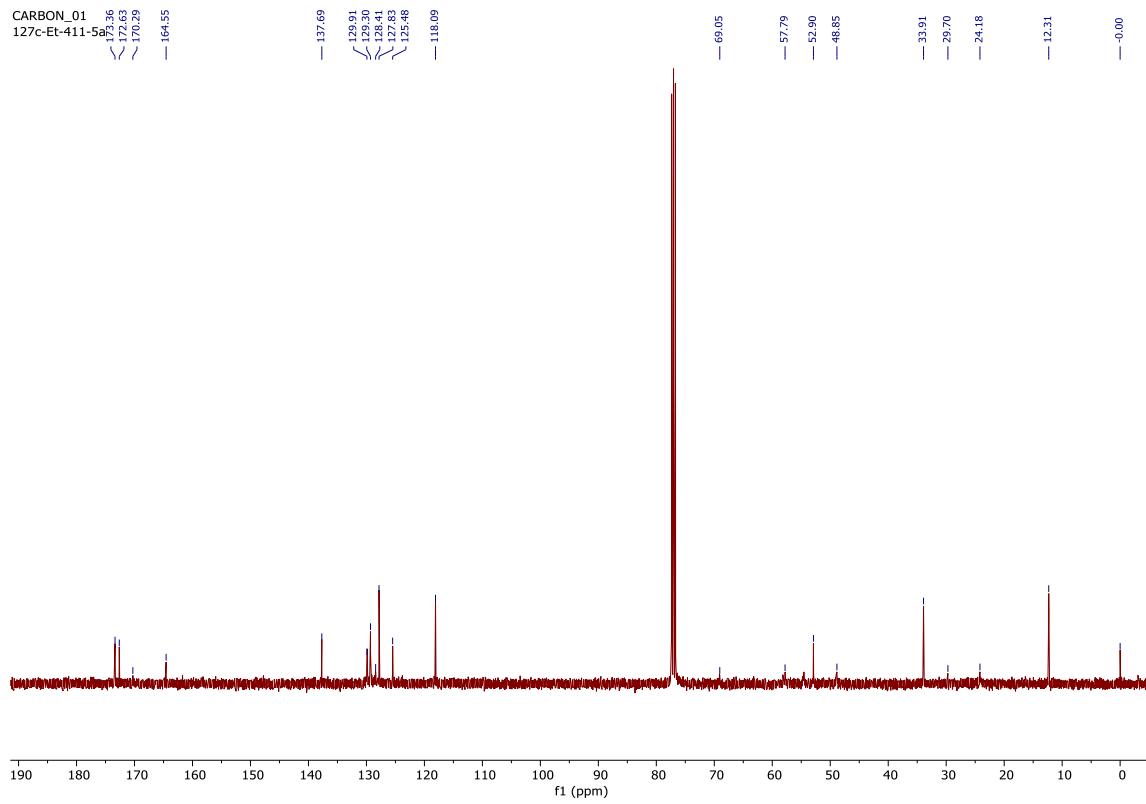
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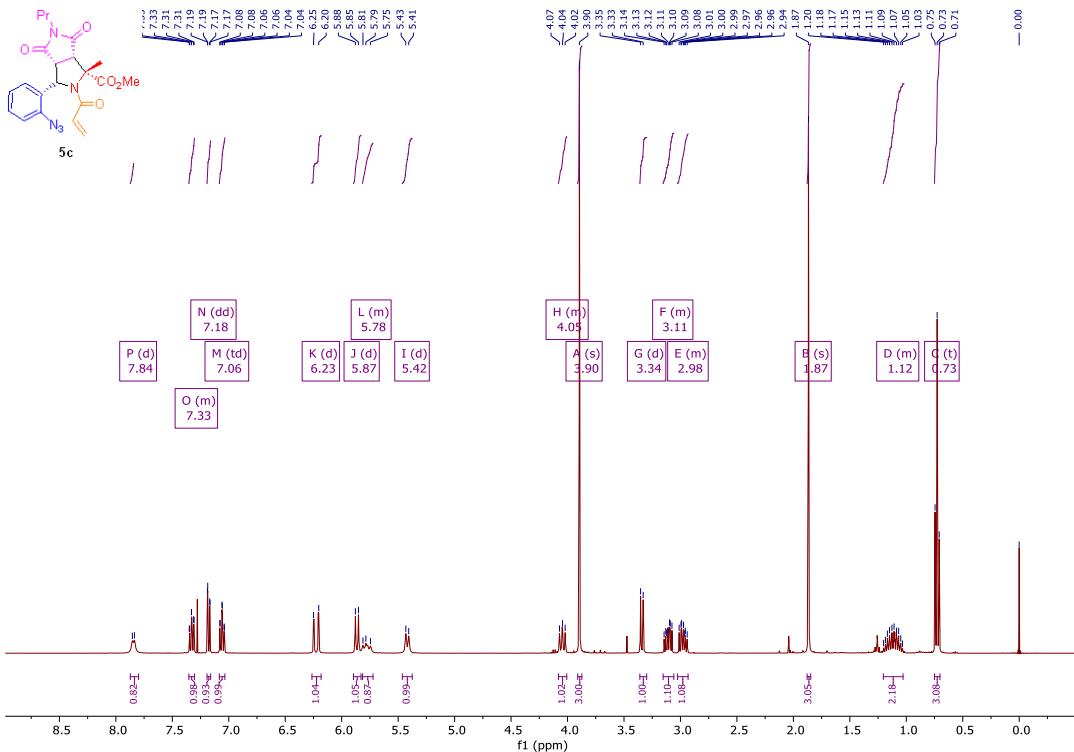
# 1. Copies of $^1\text{H}$ , $^{13}\text{C}$ , and $^{19}\text{F}$ NMR spectra



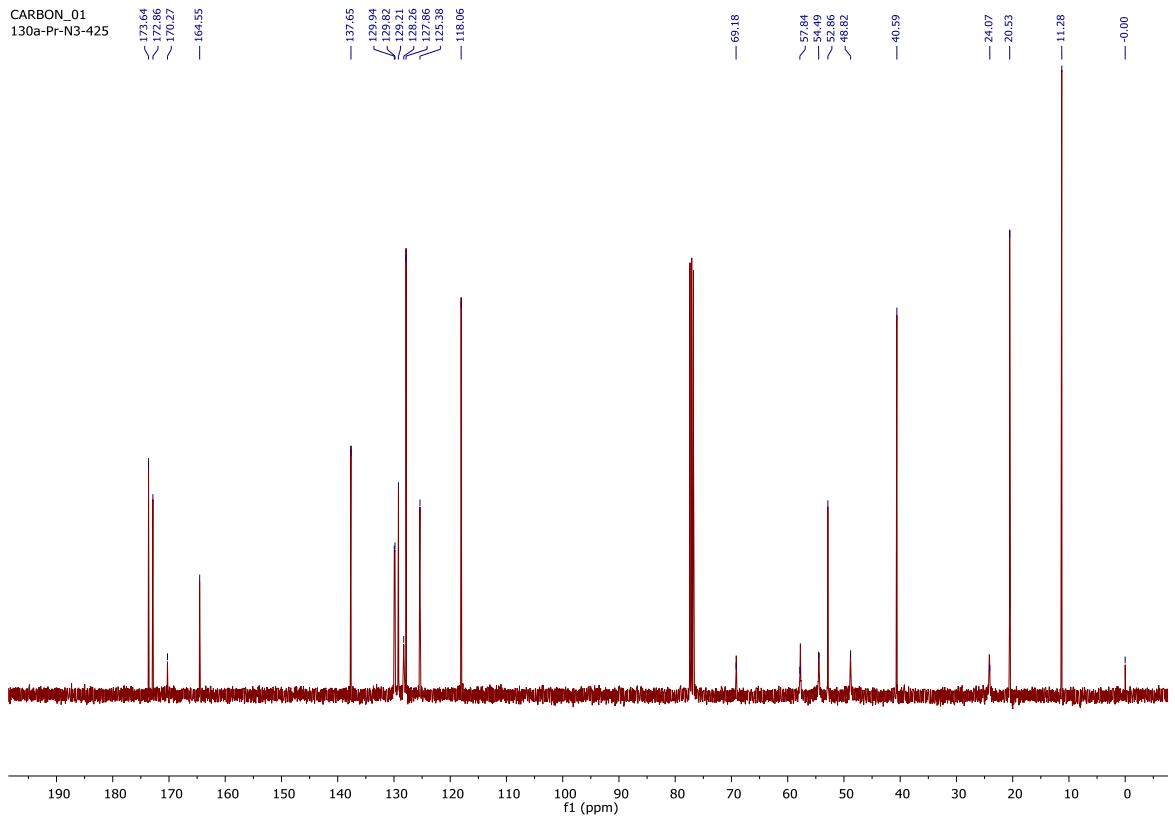


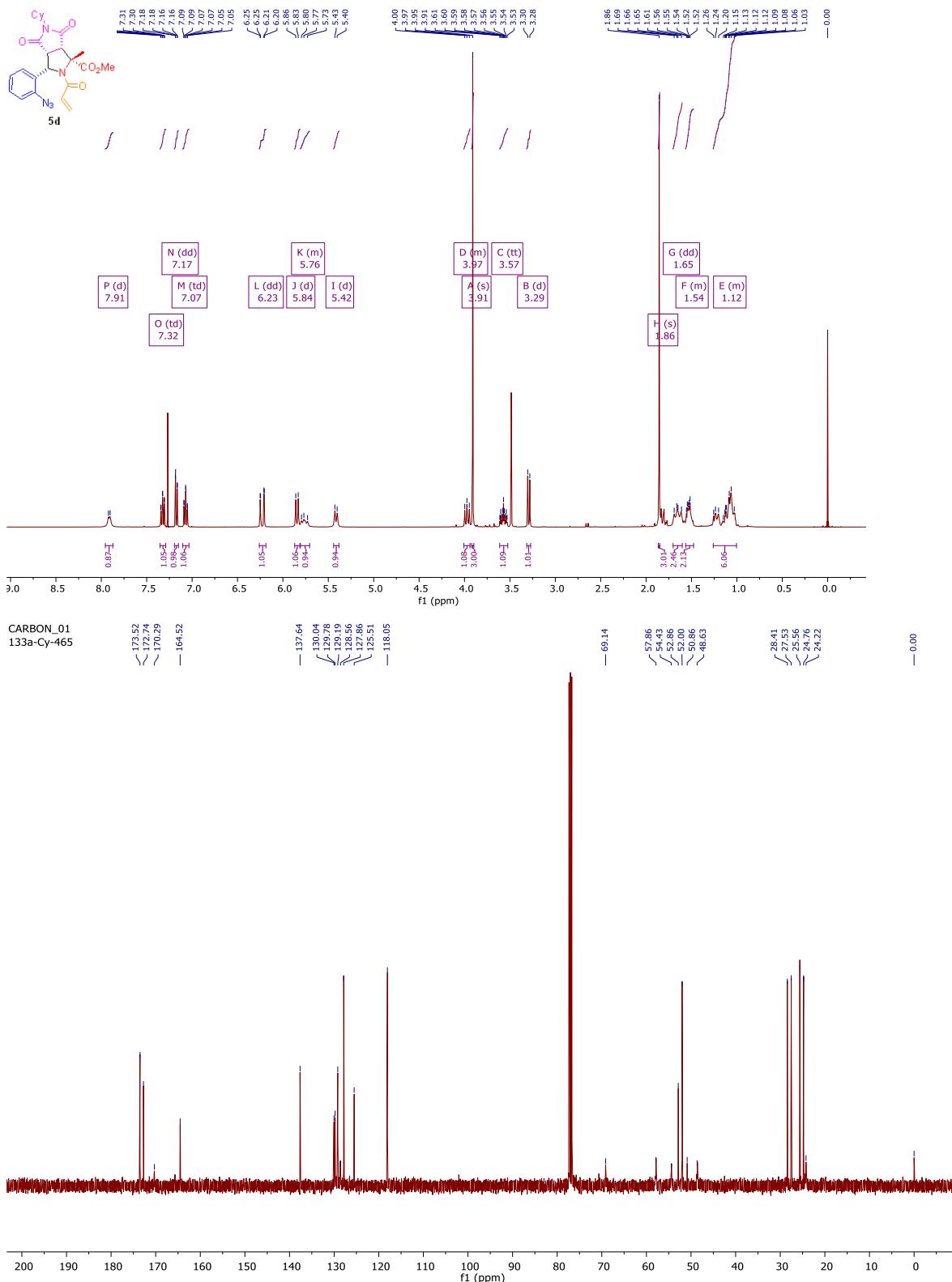
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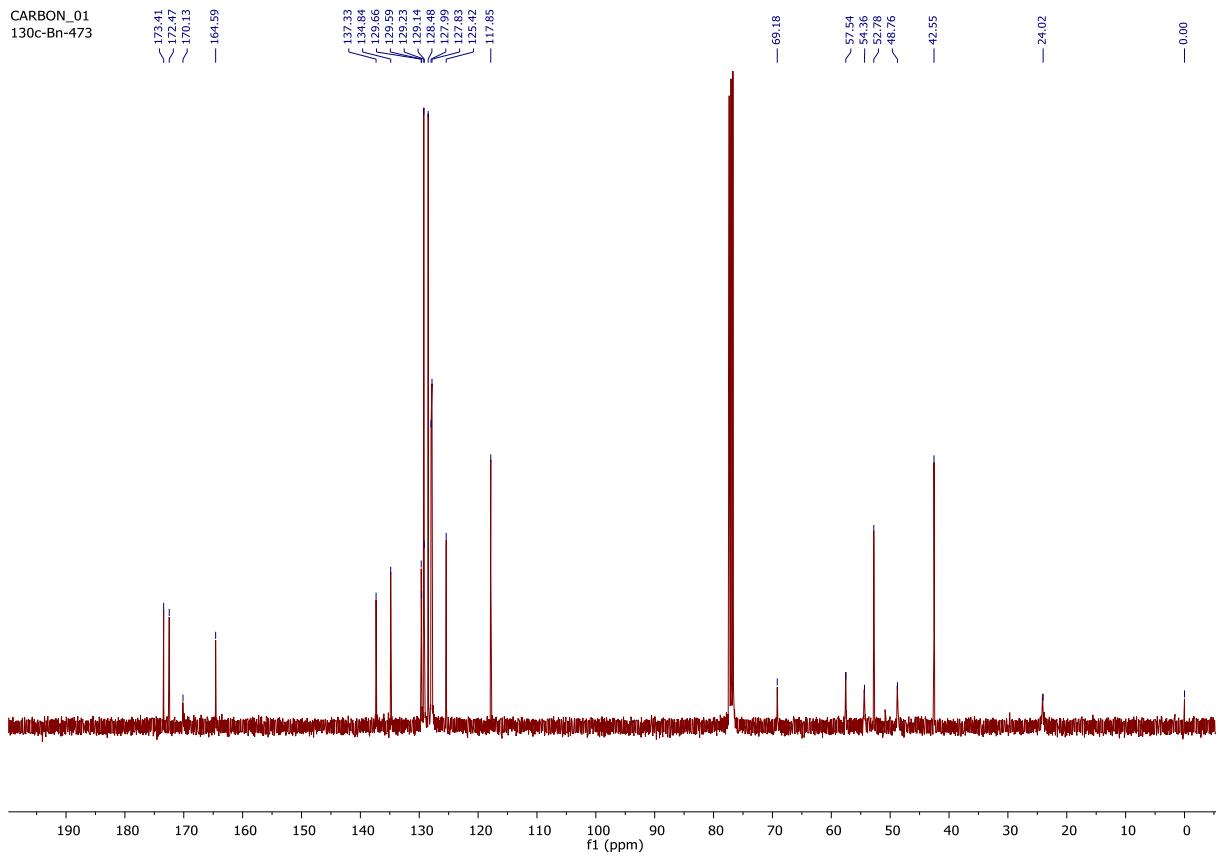
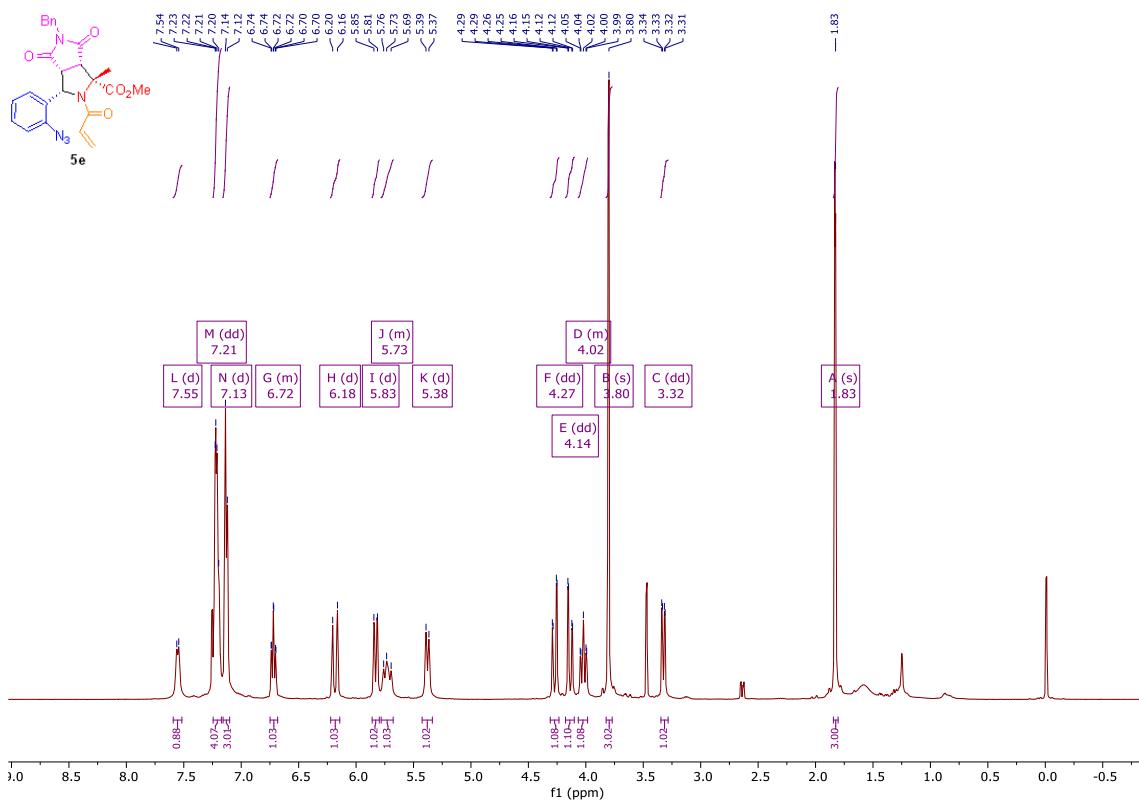


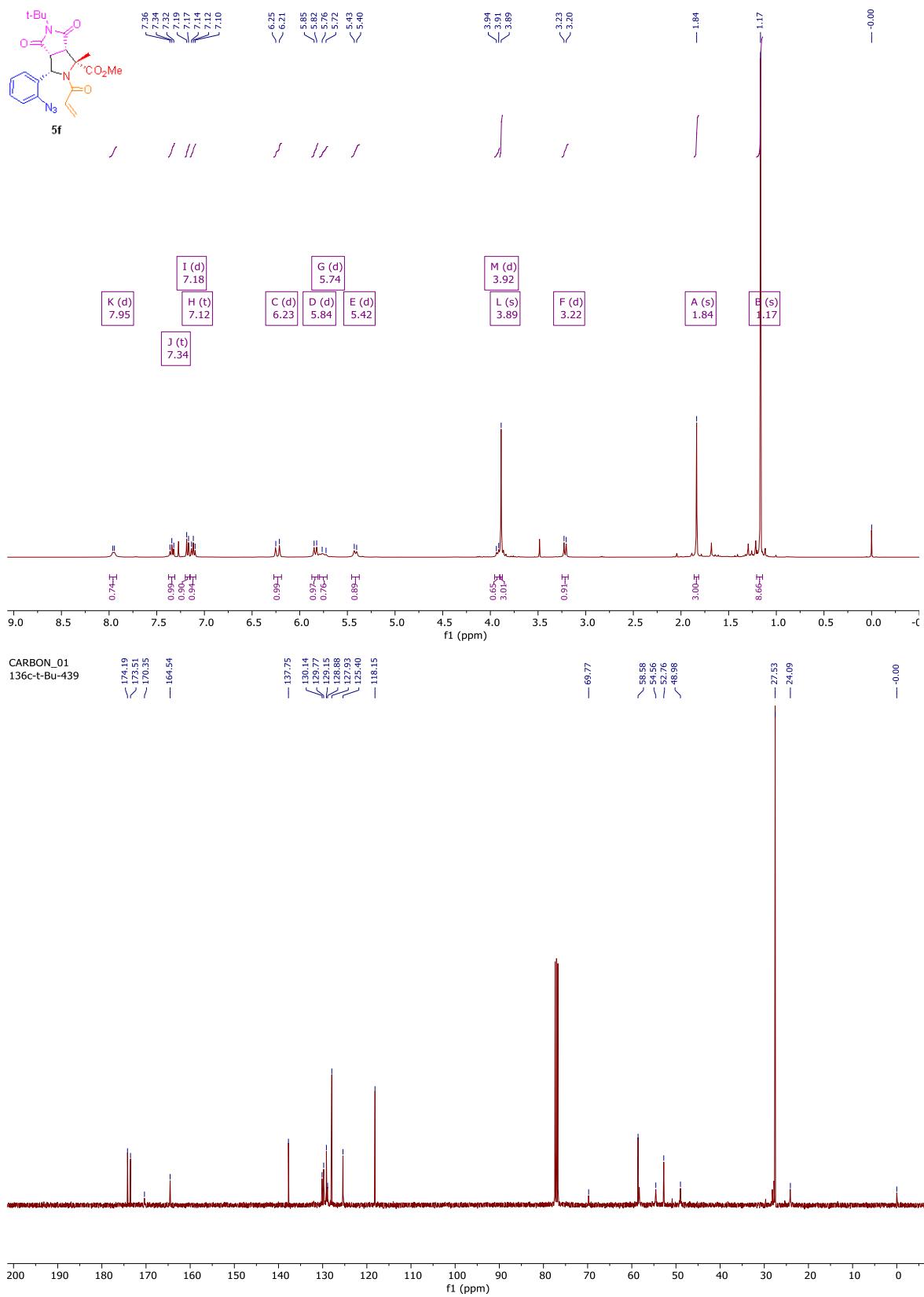


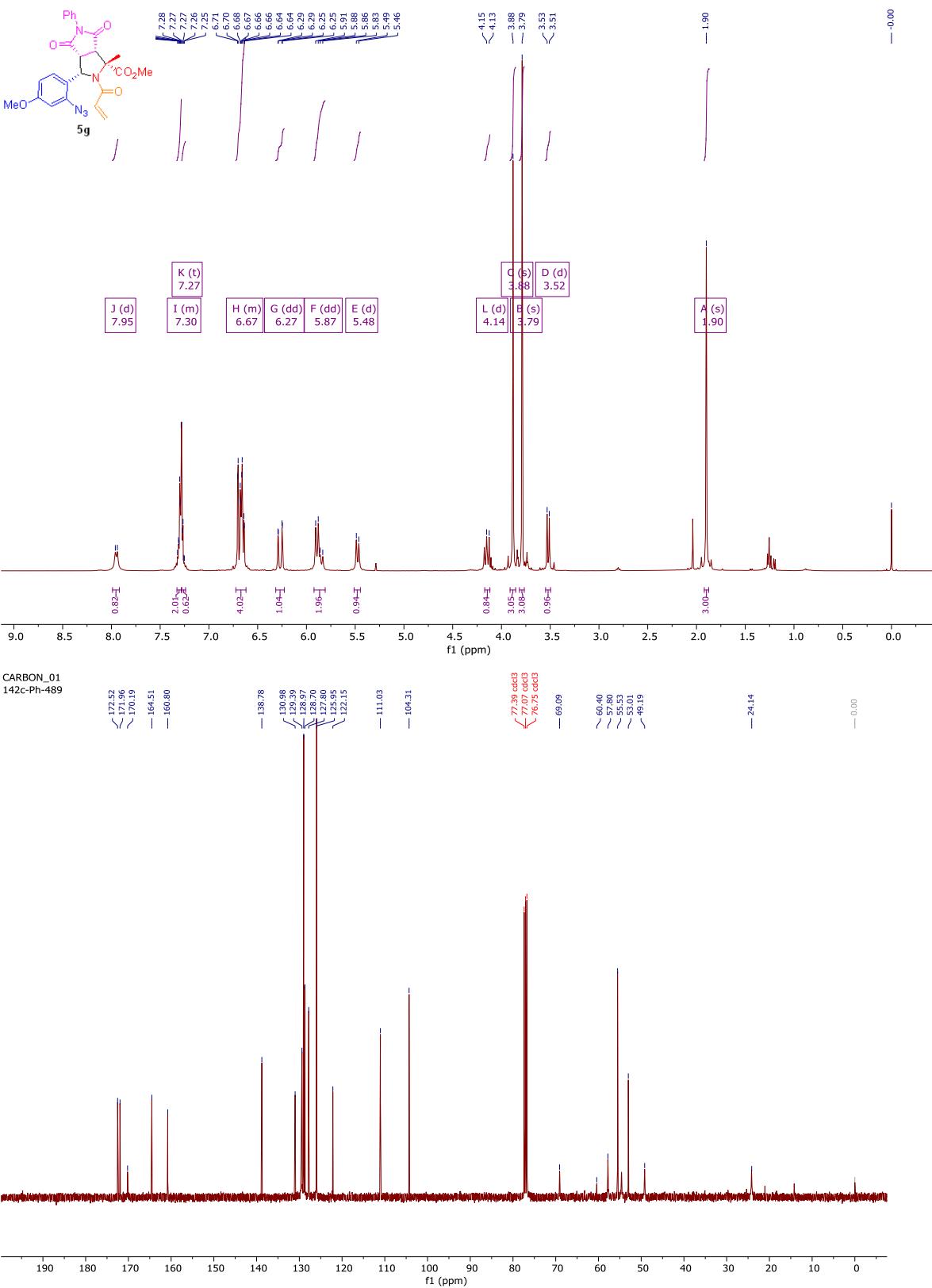
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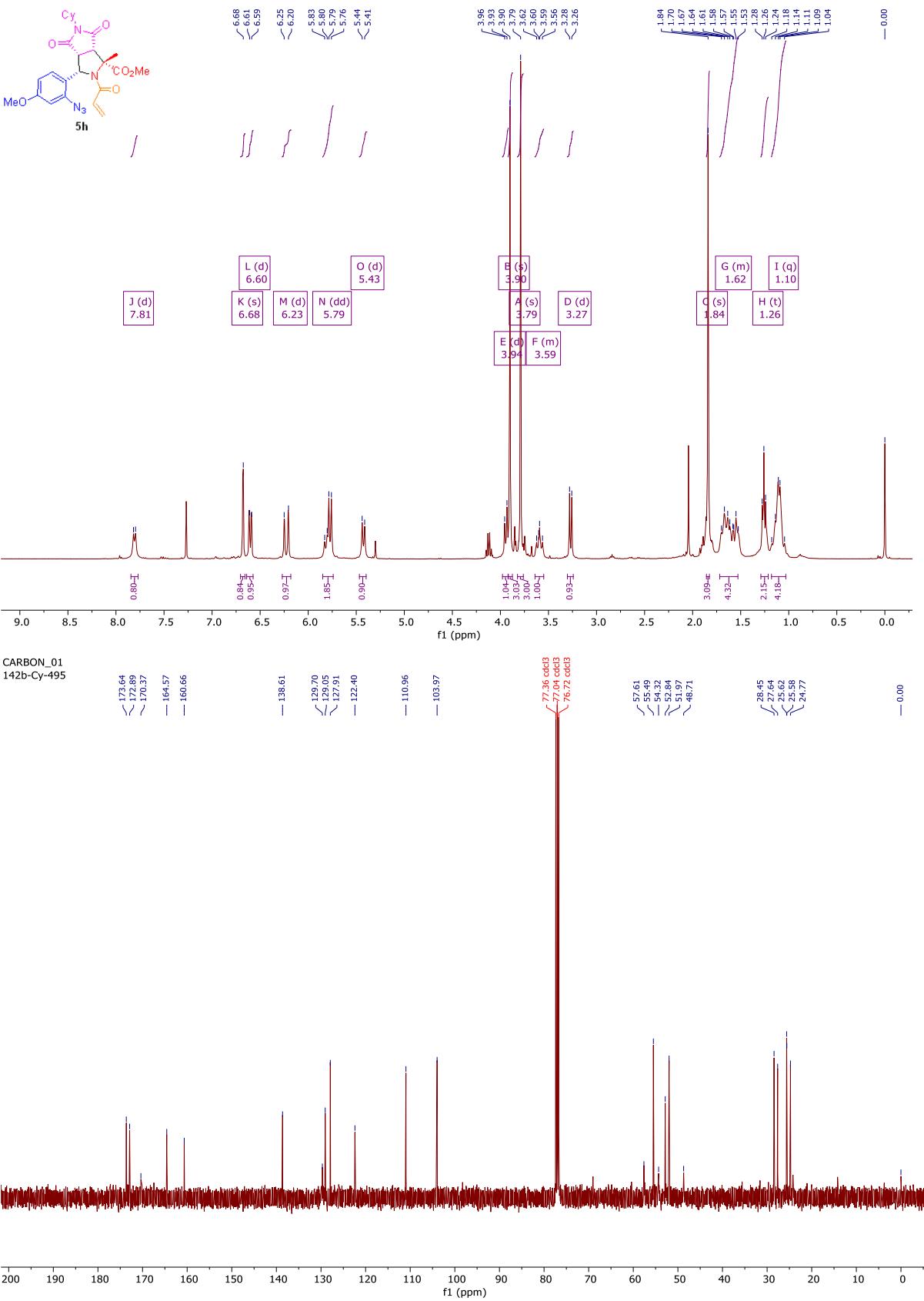


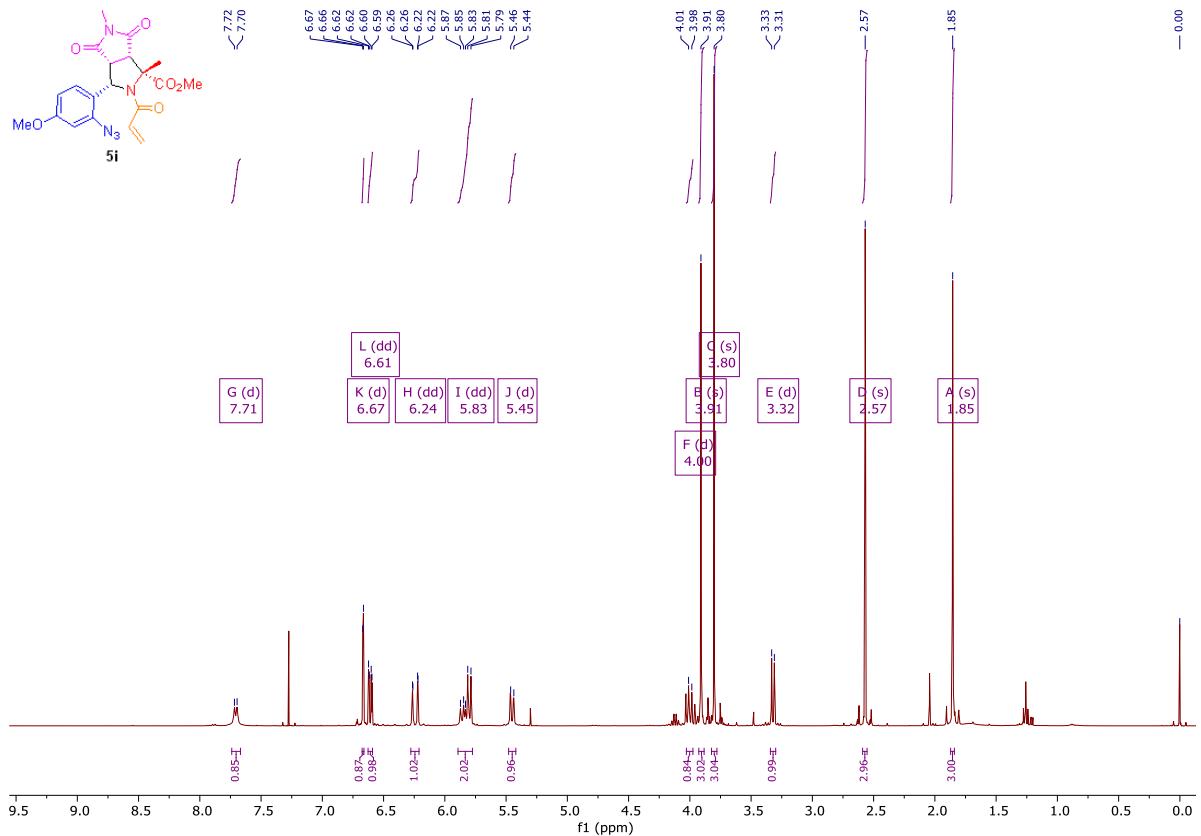
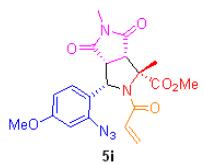




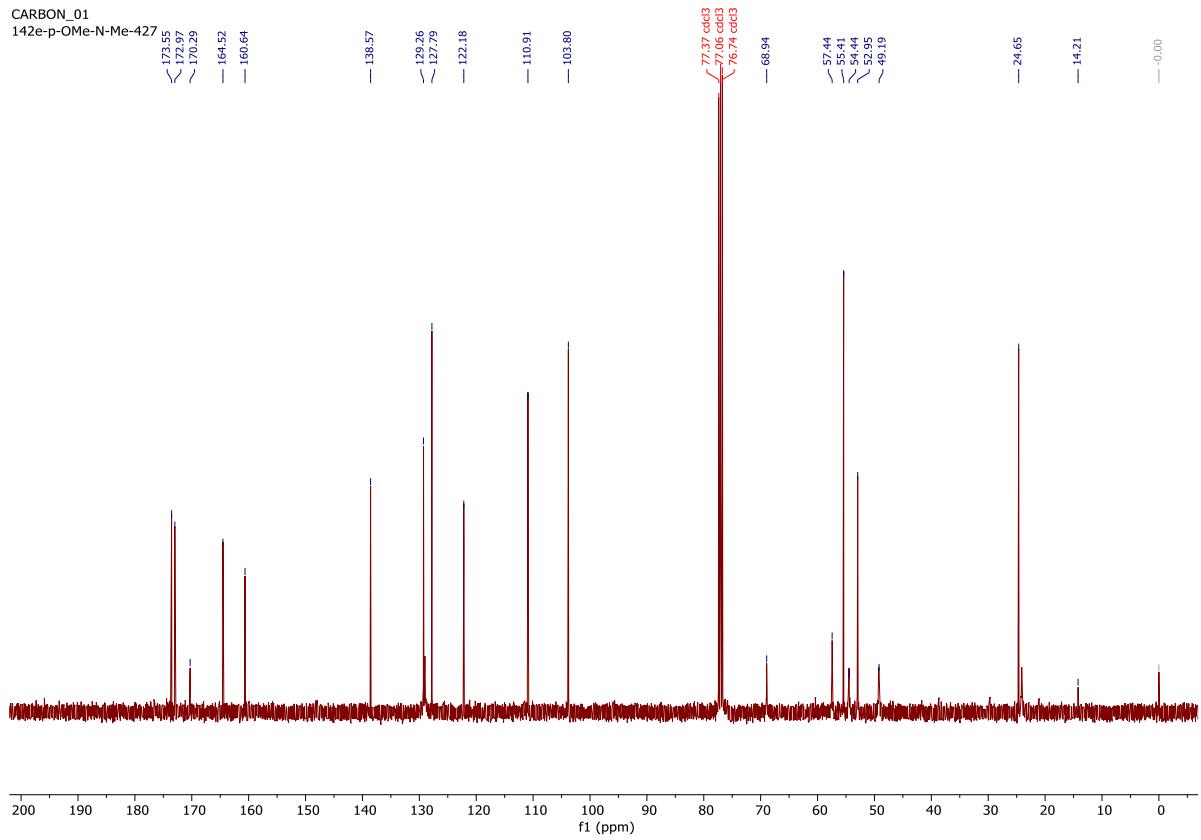


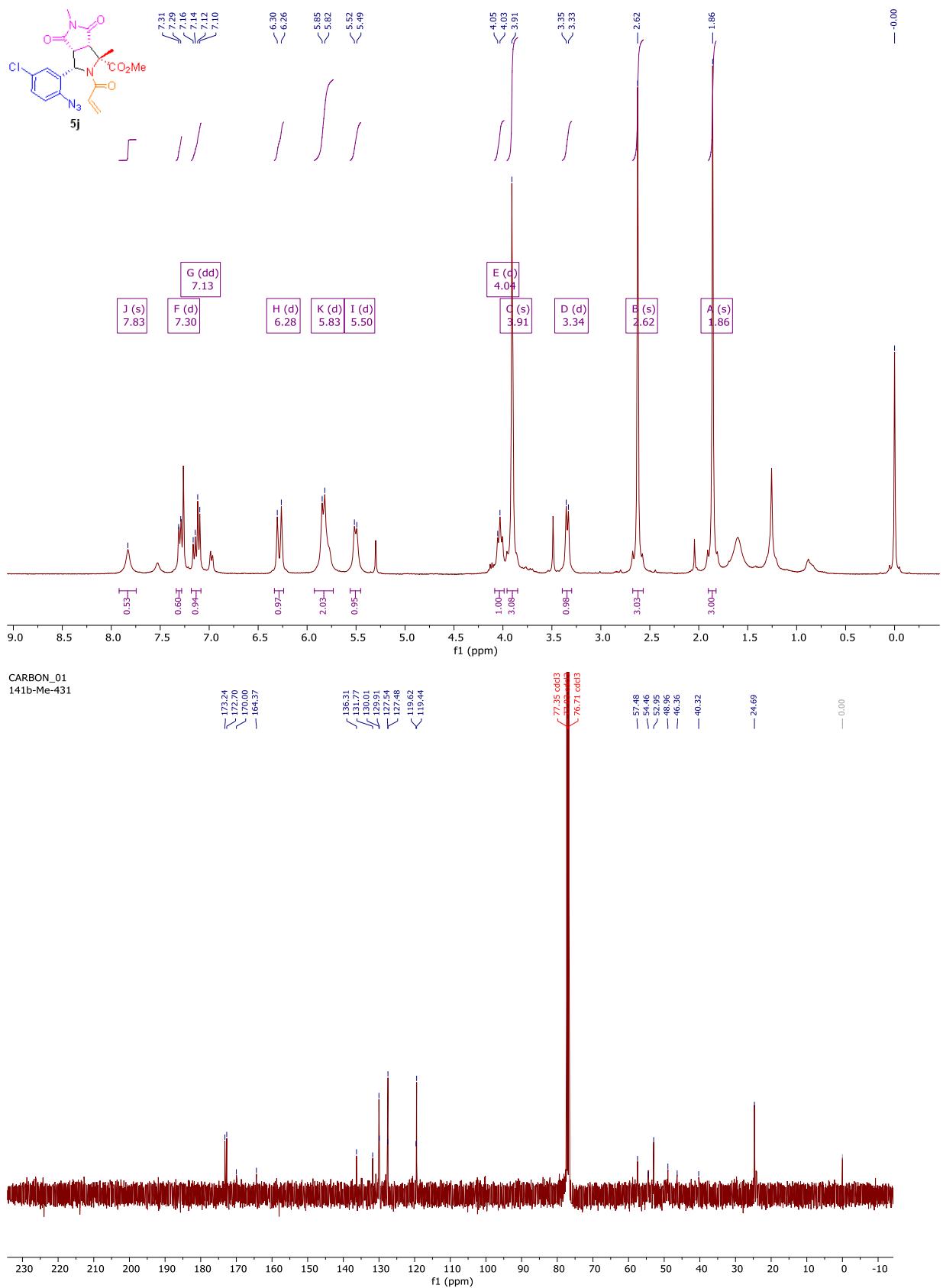


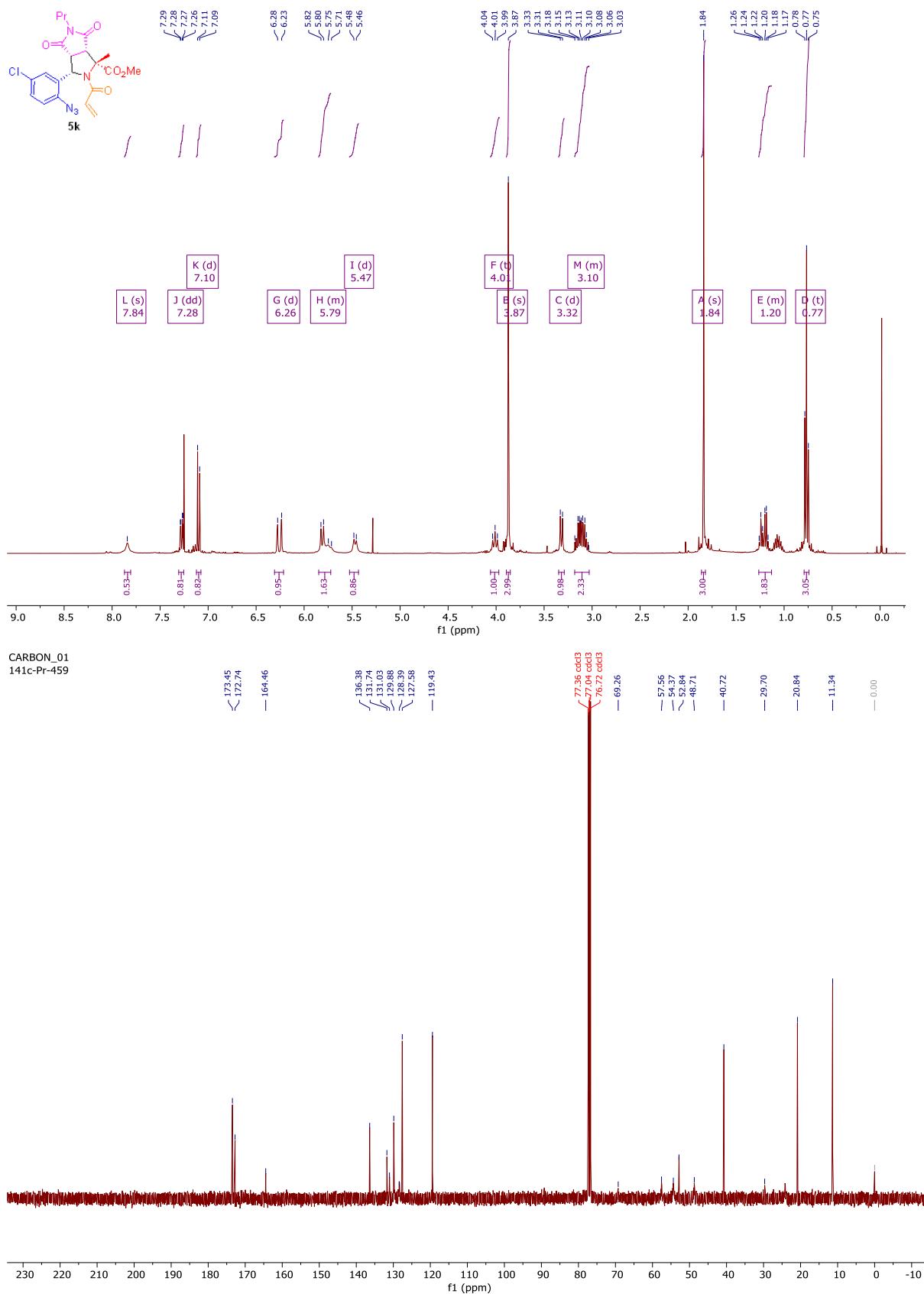


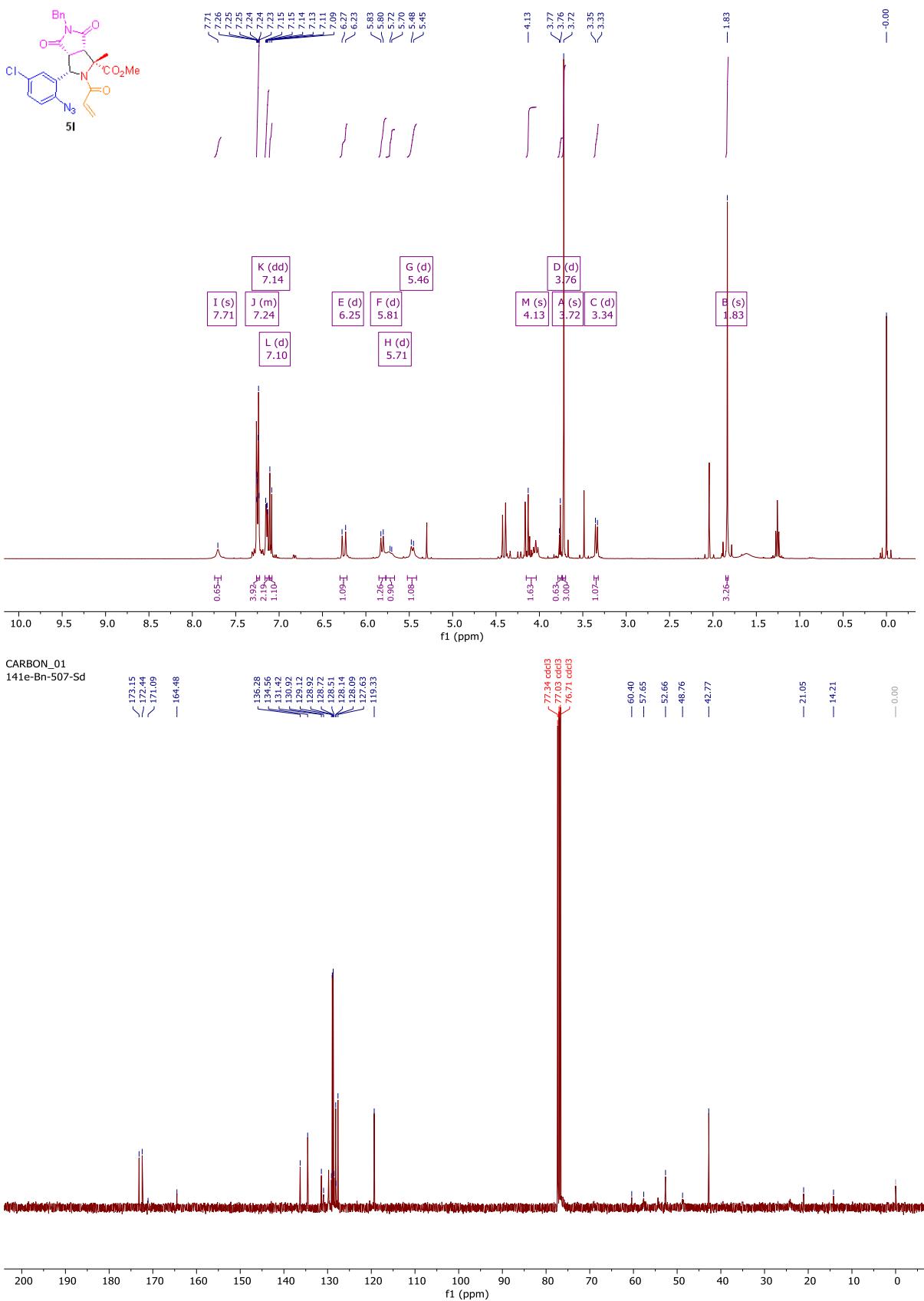


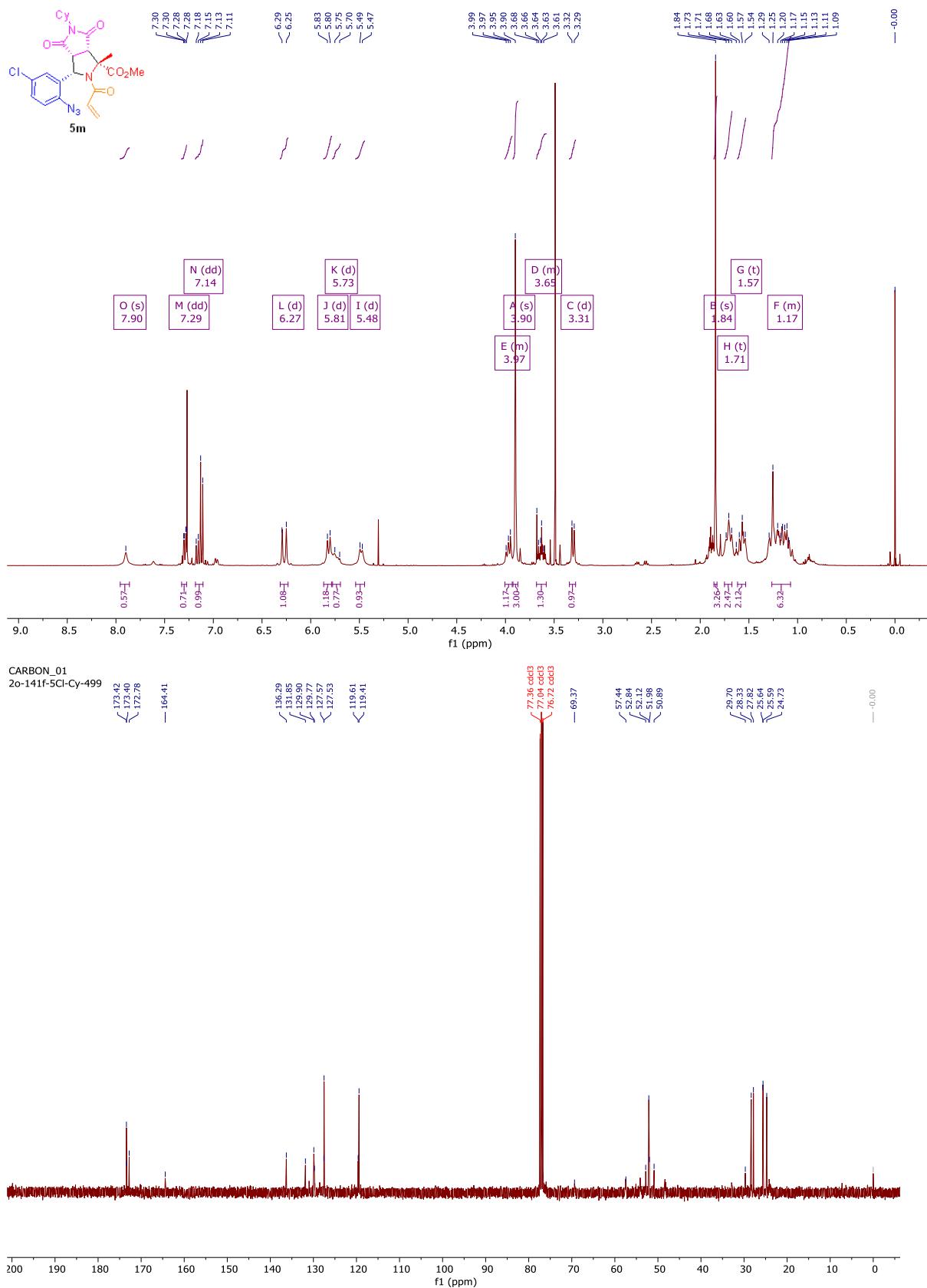
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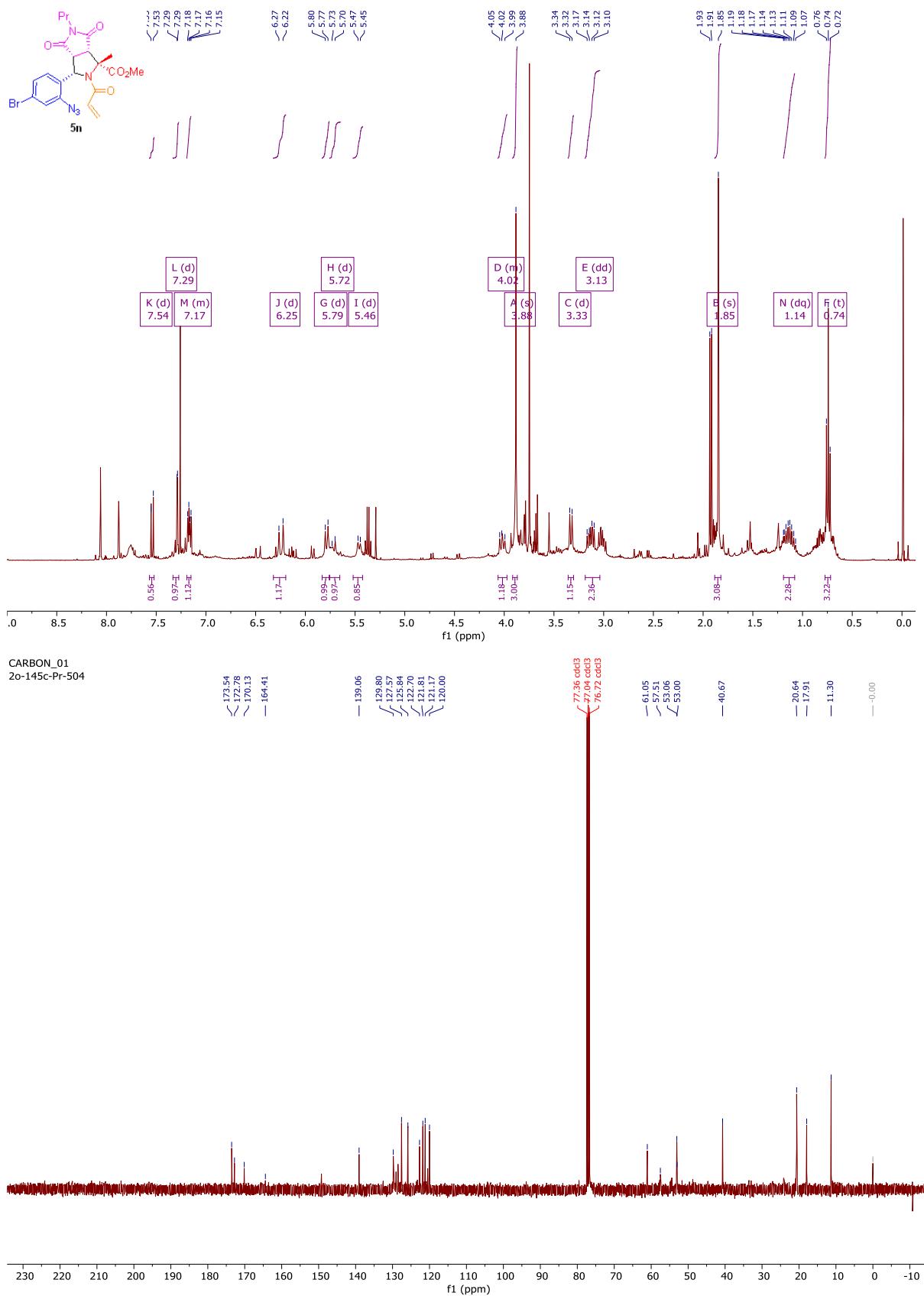


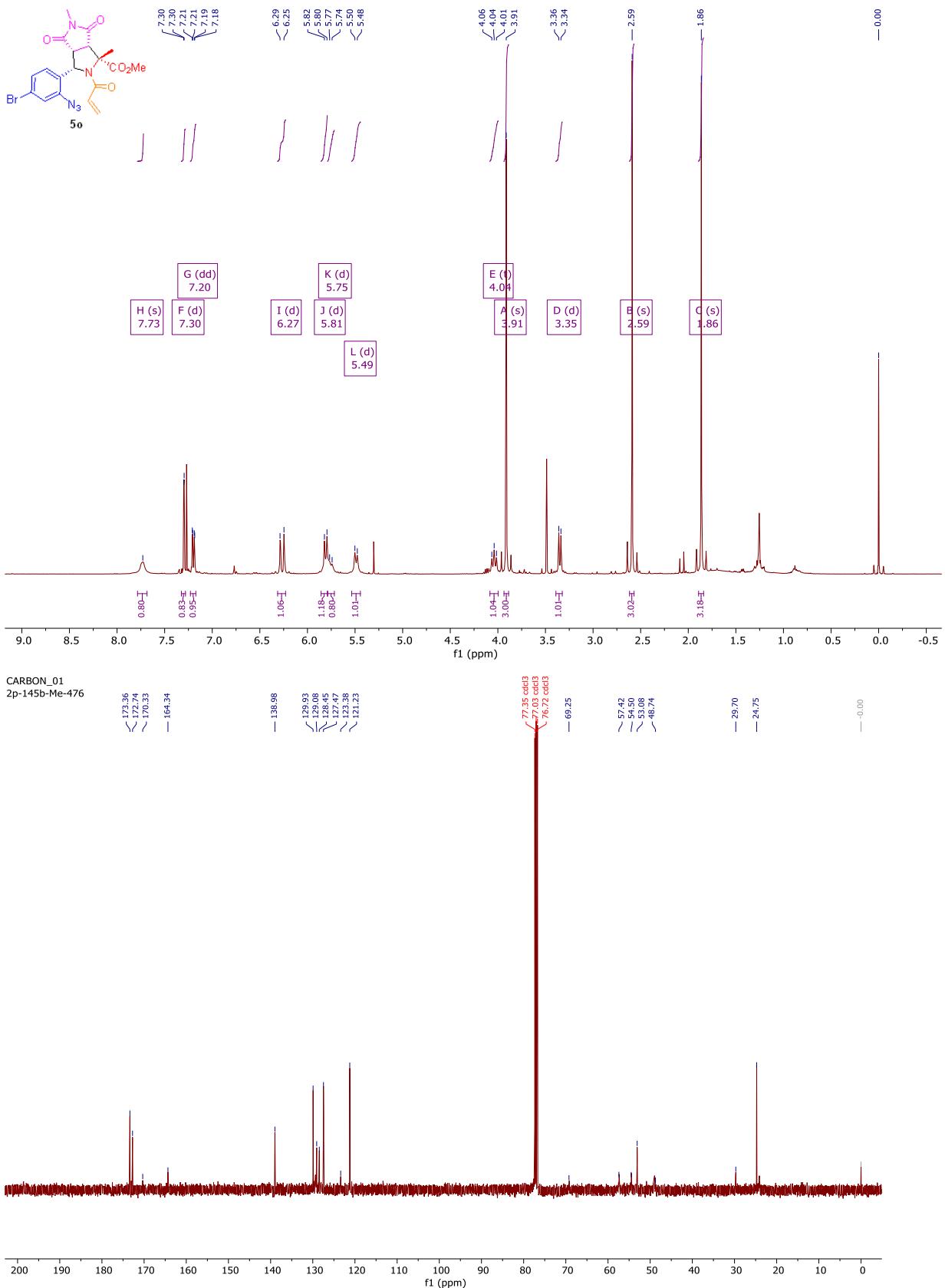


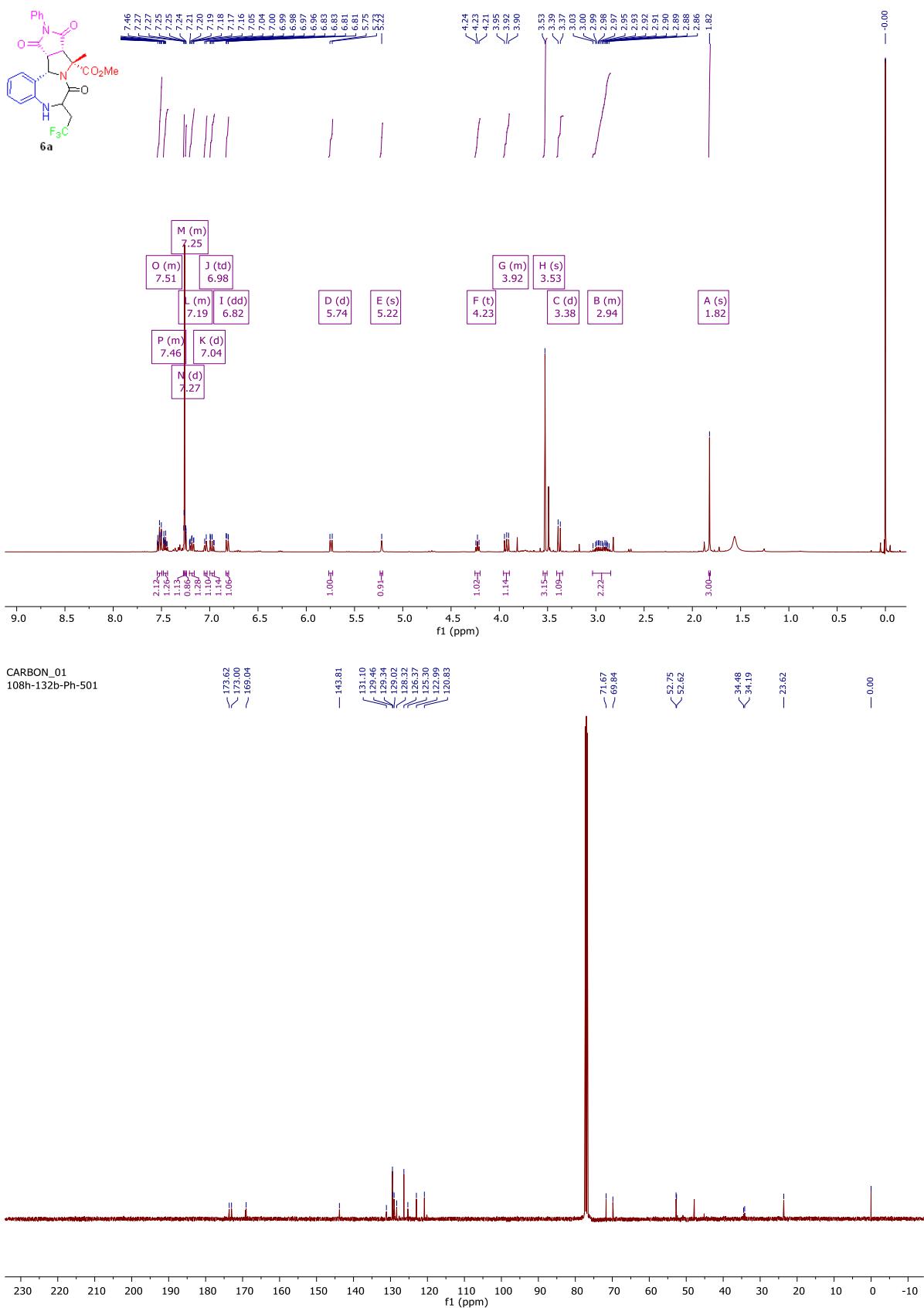


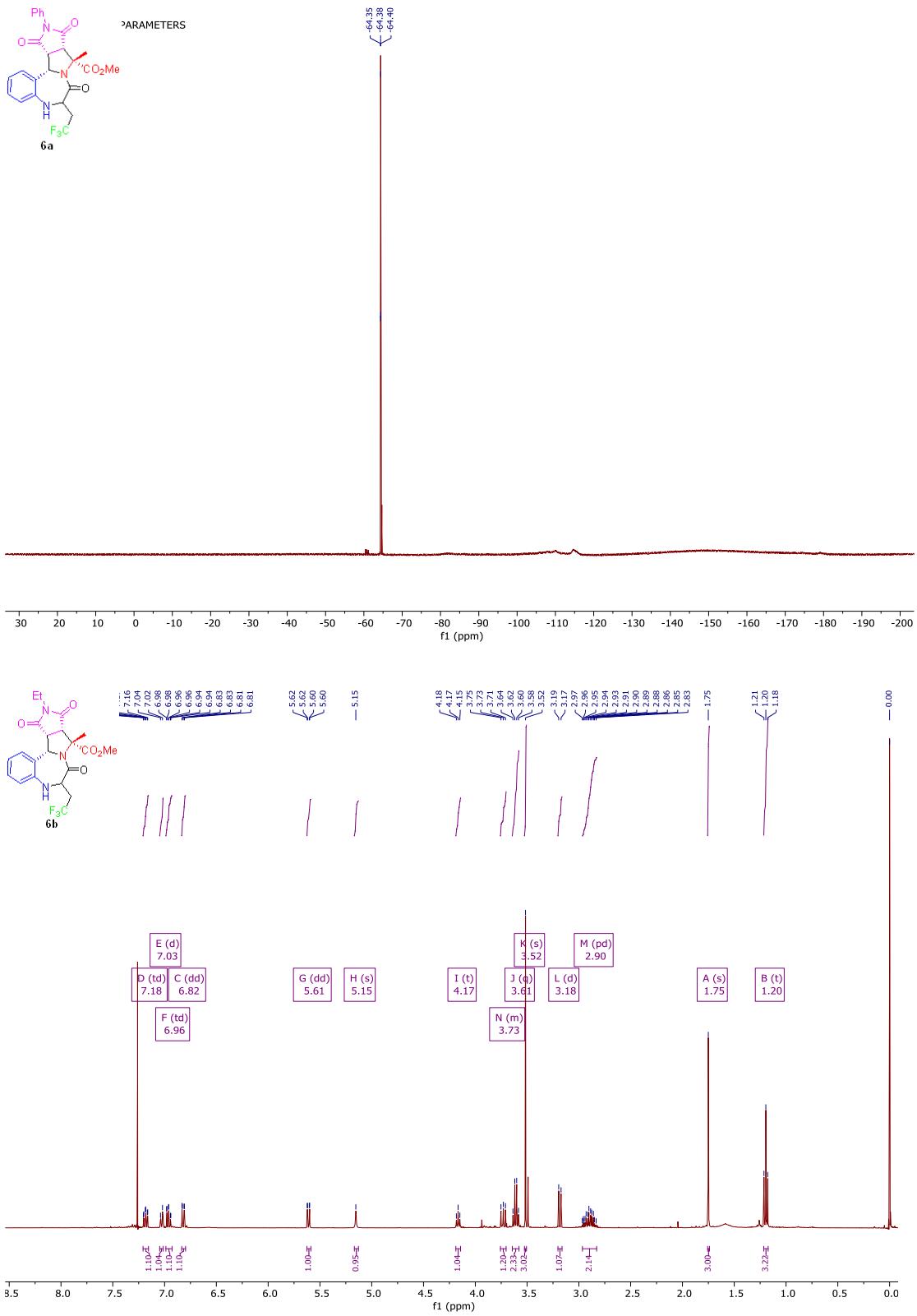




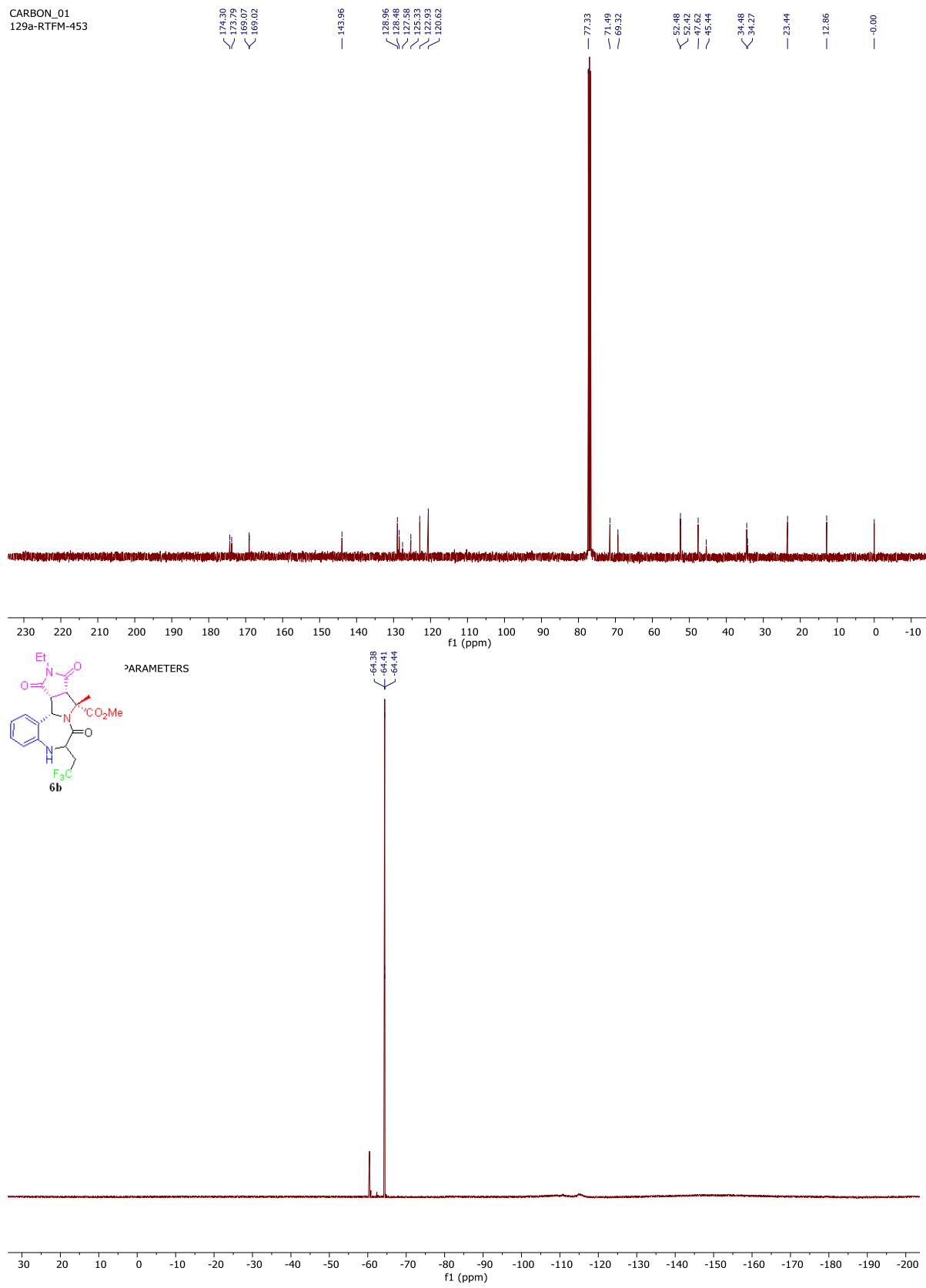


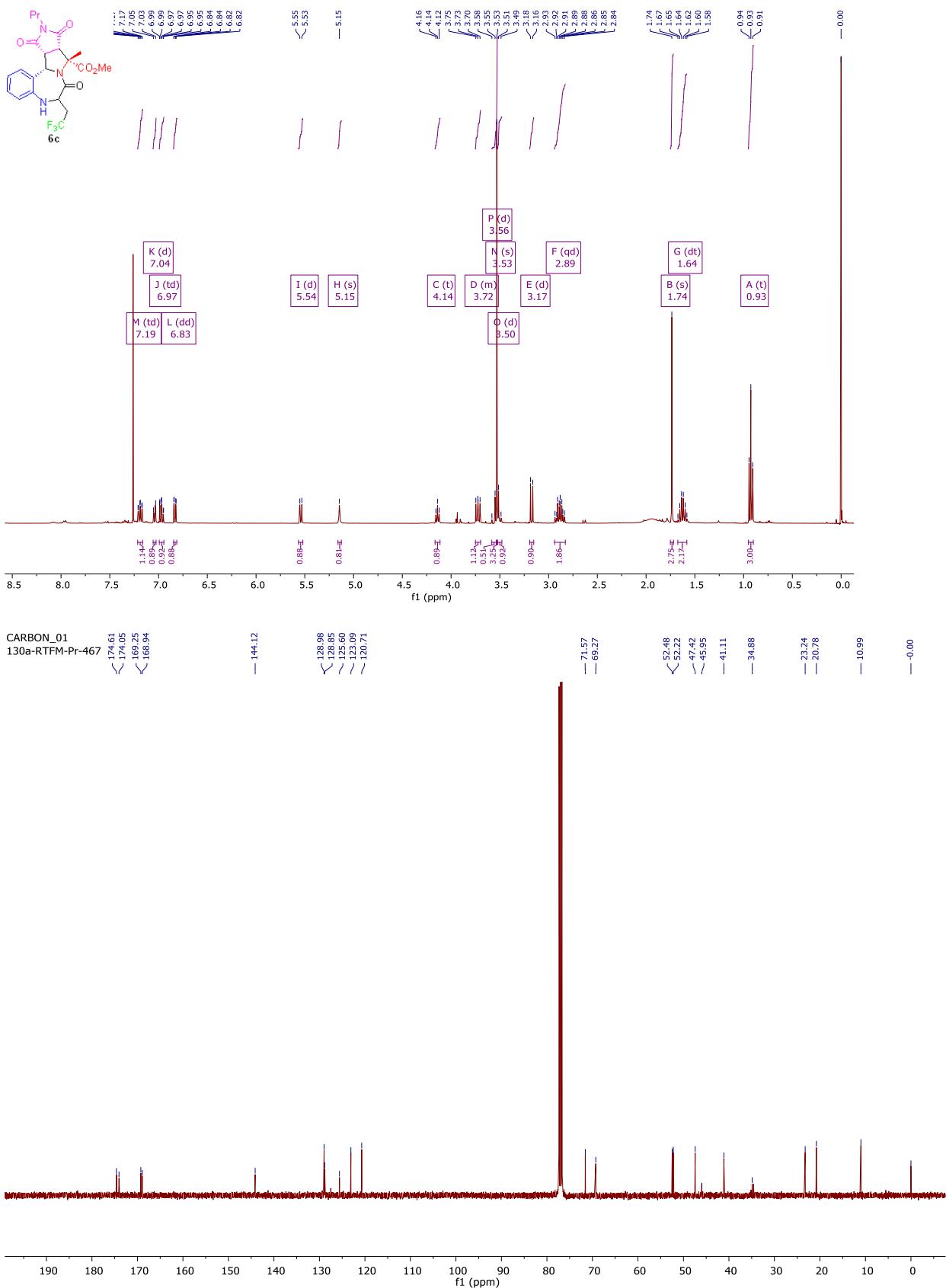


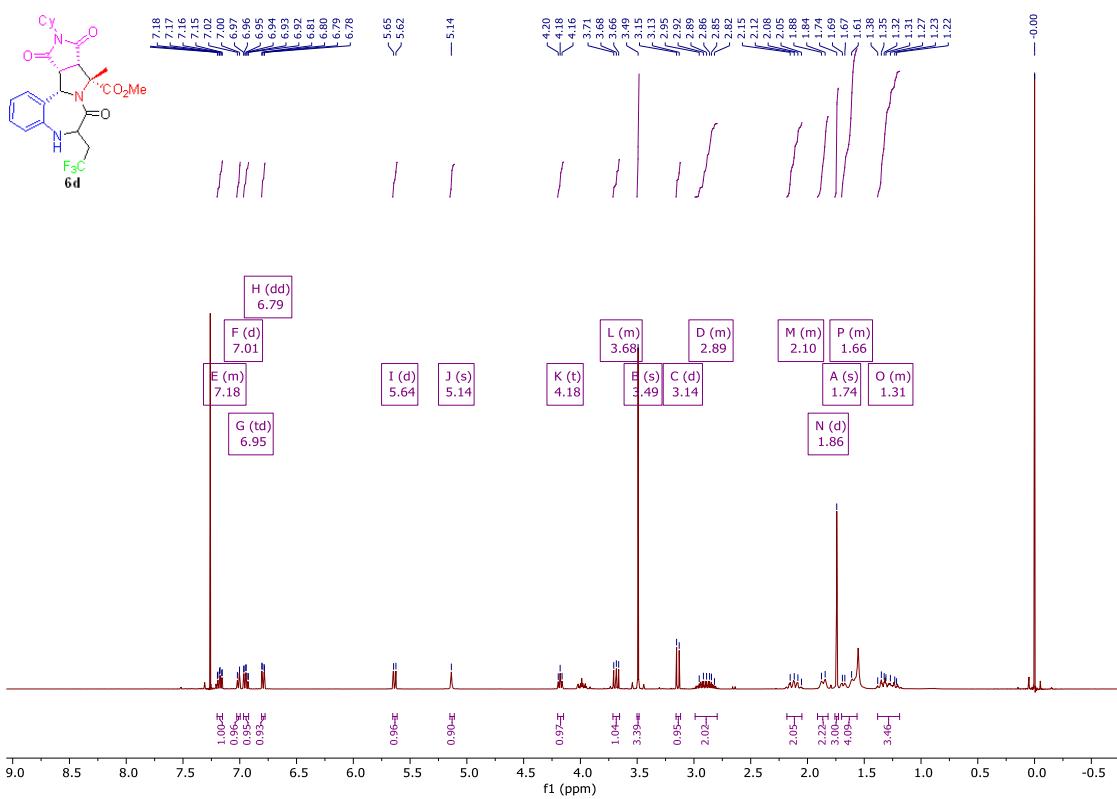
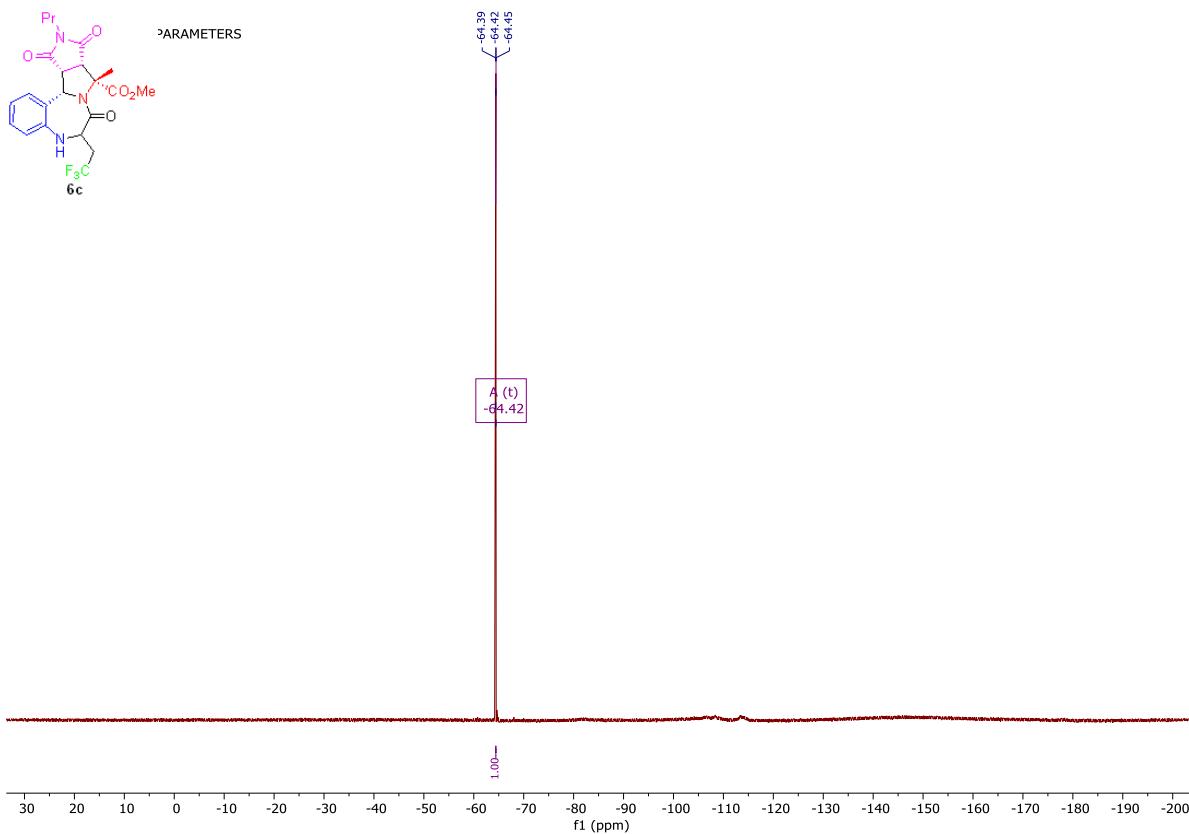




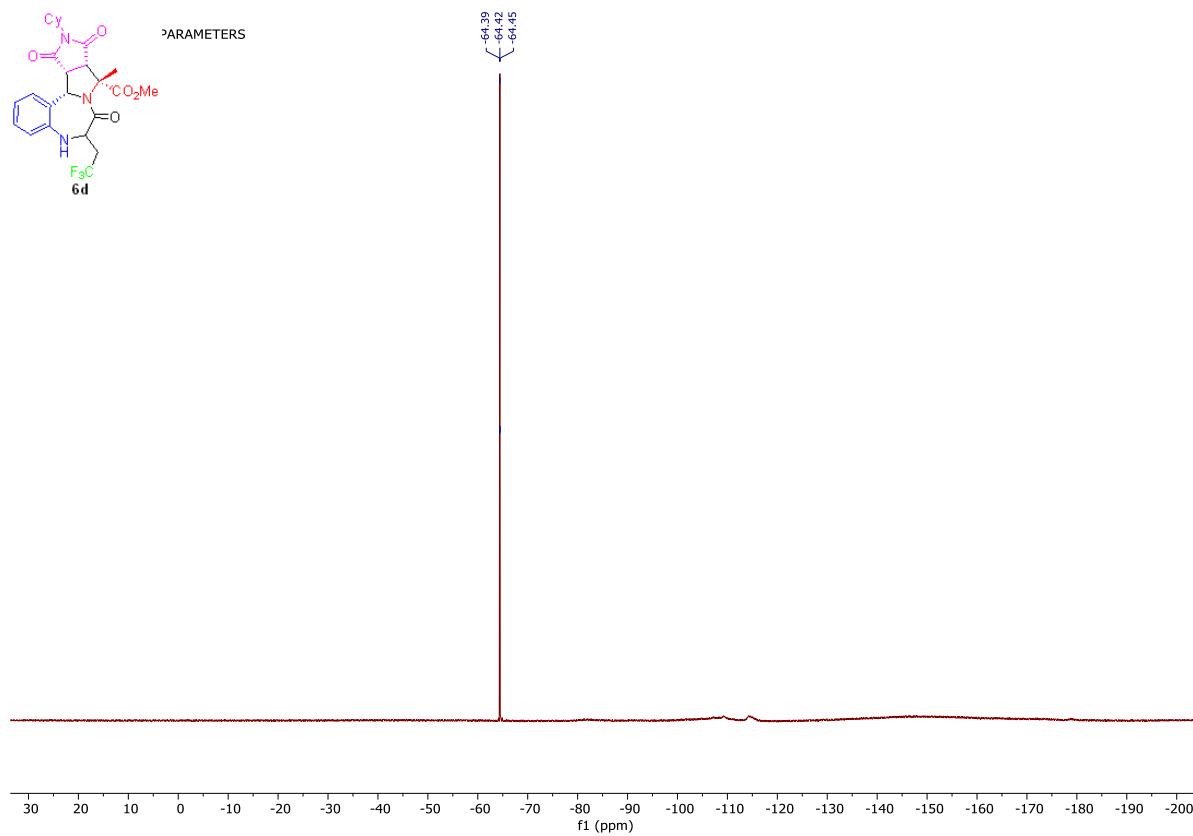
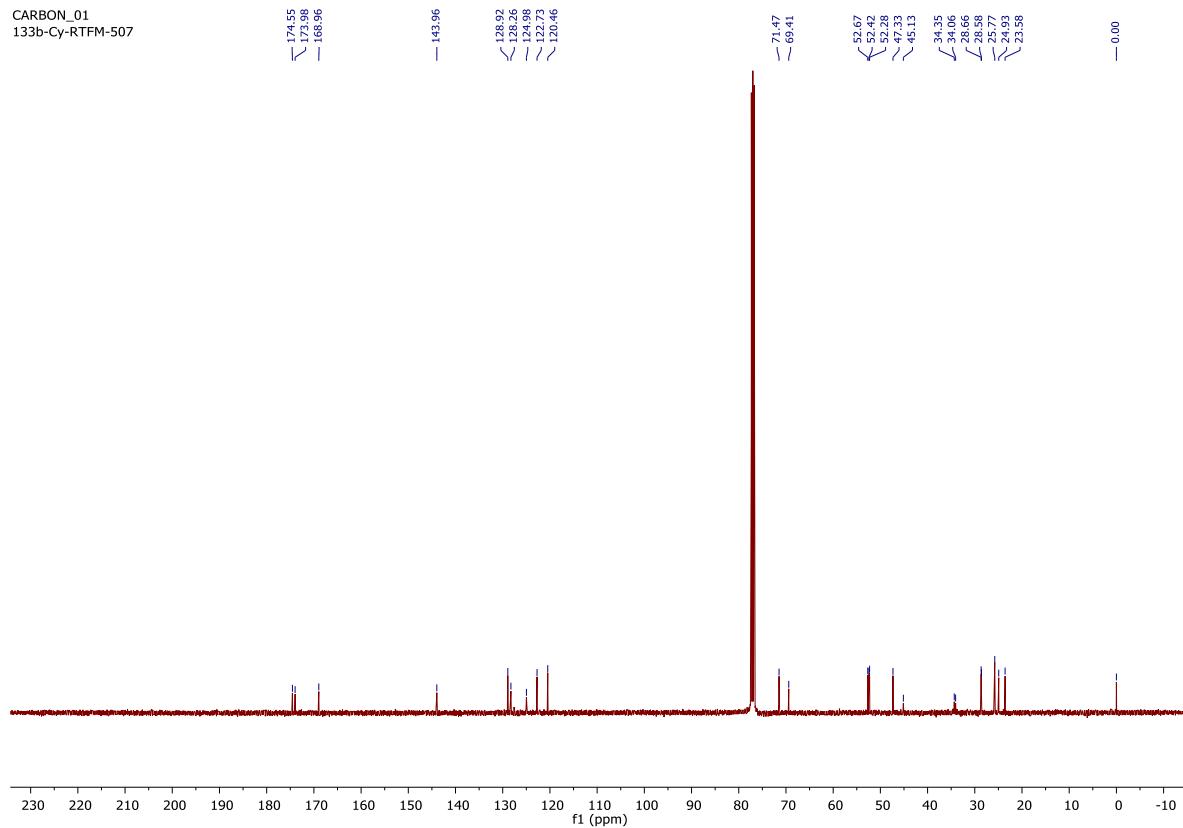
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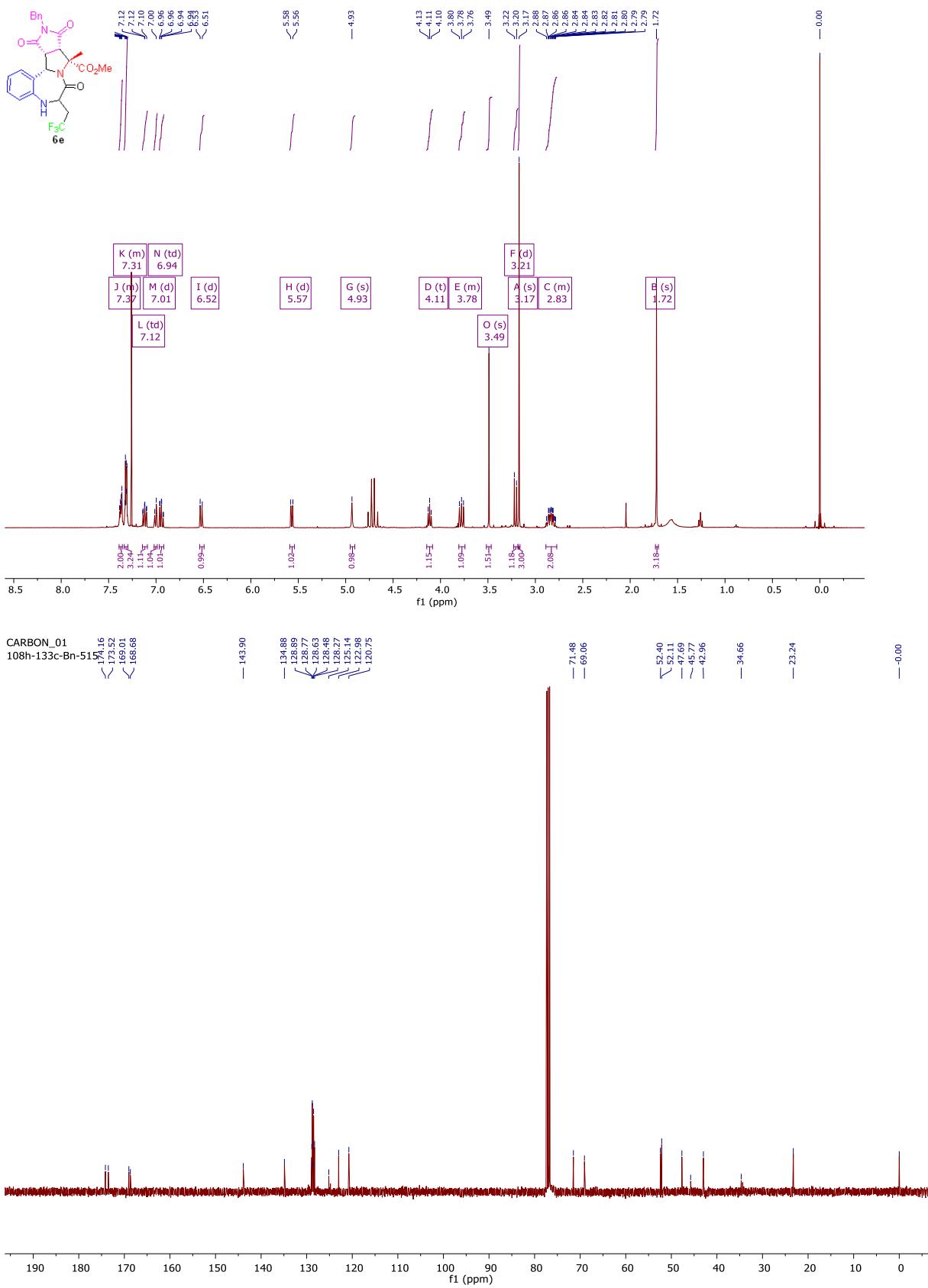


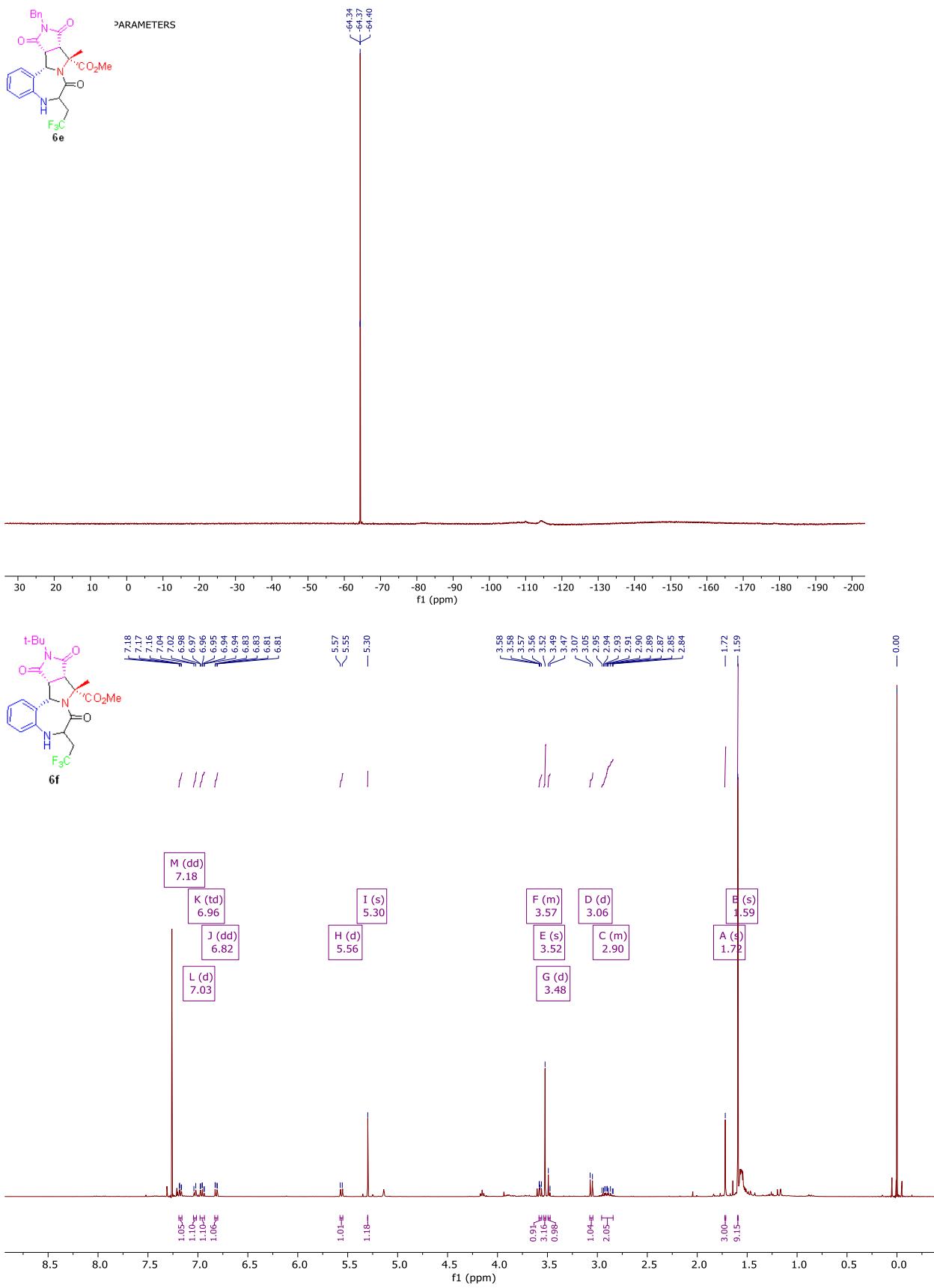




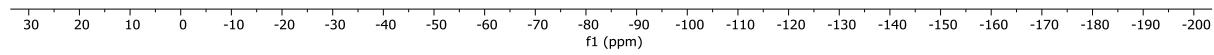
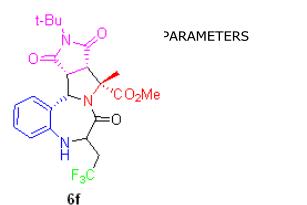
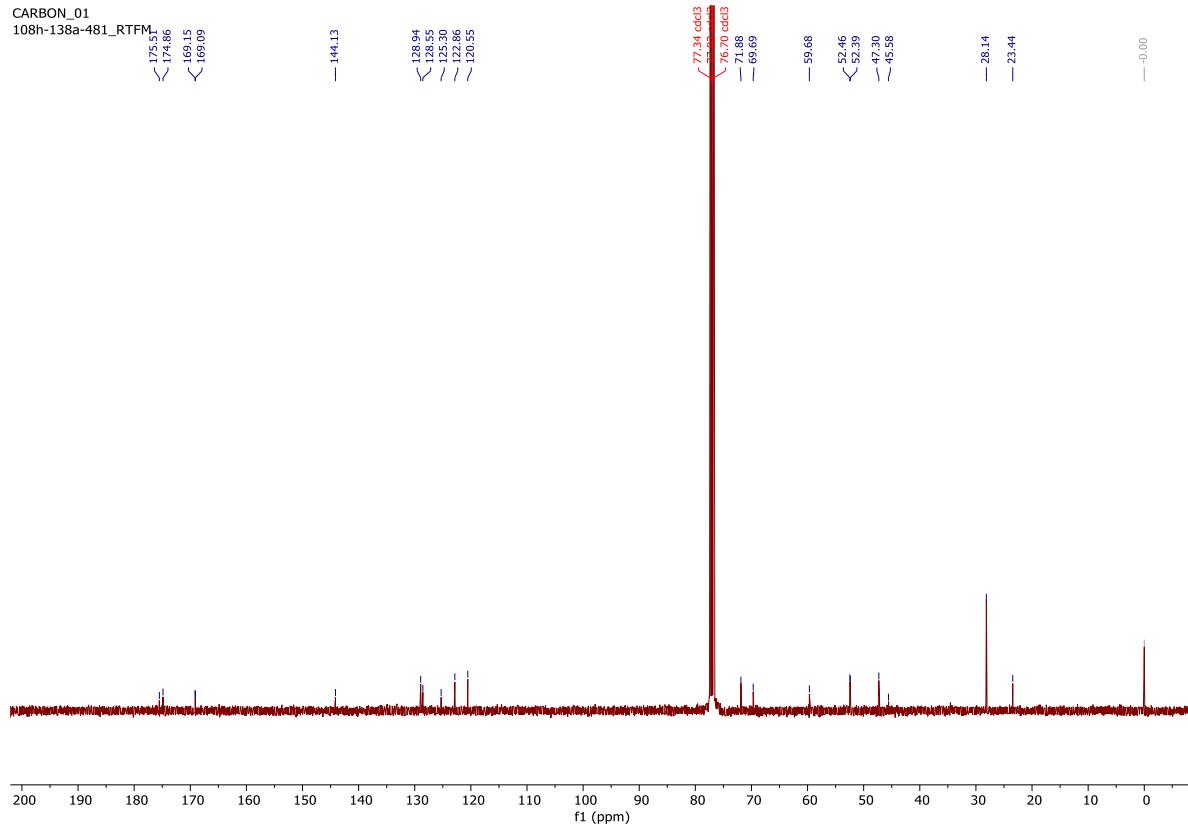
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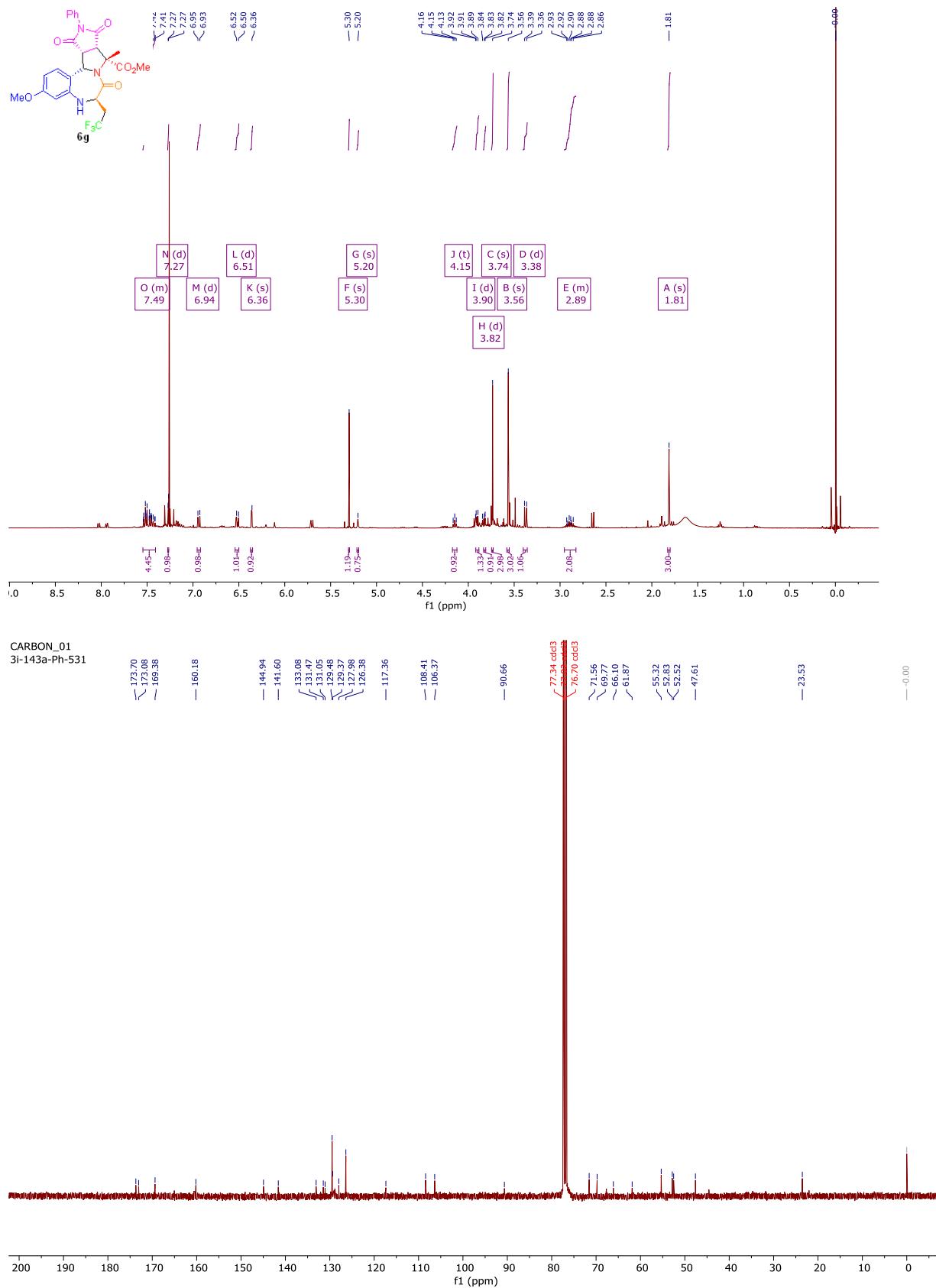


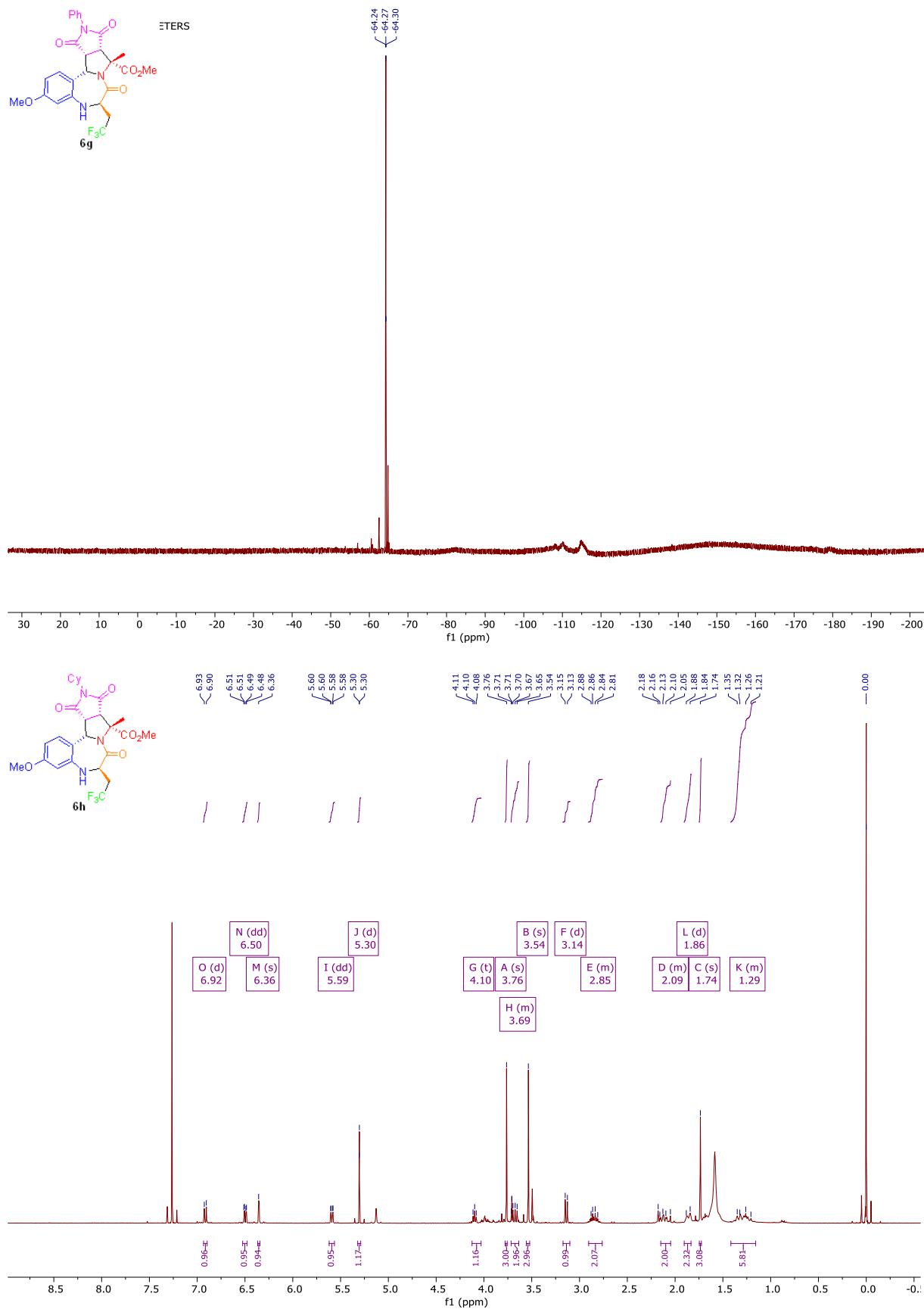


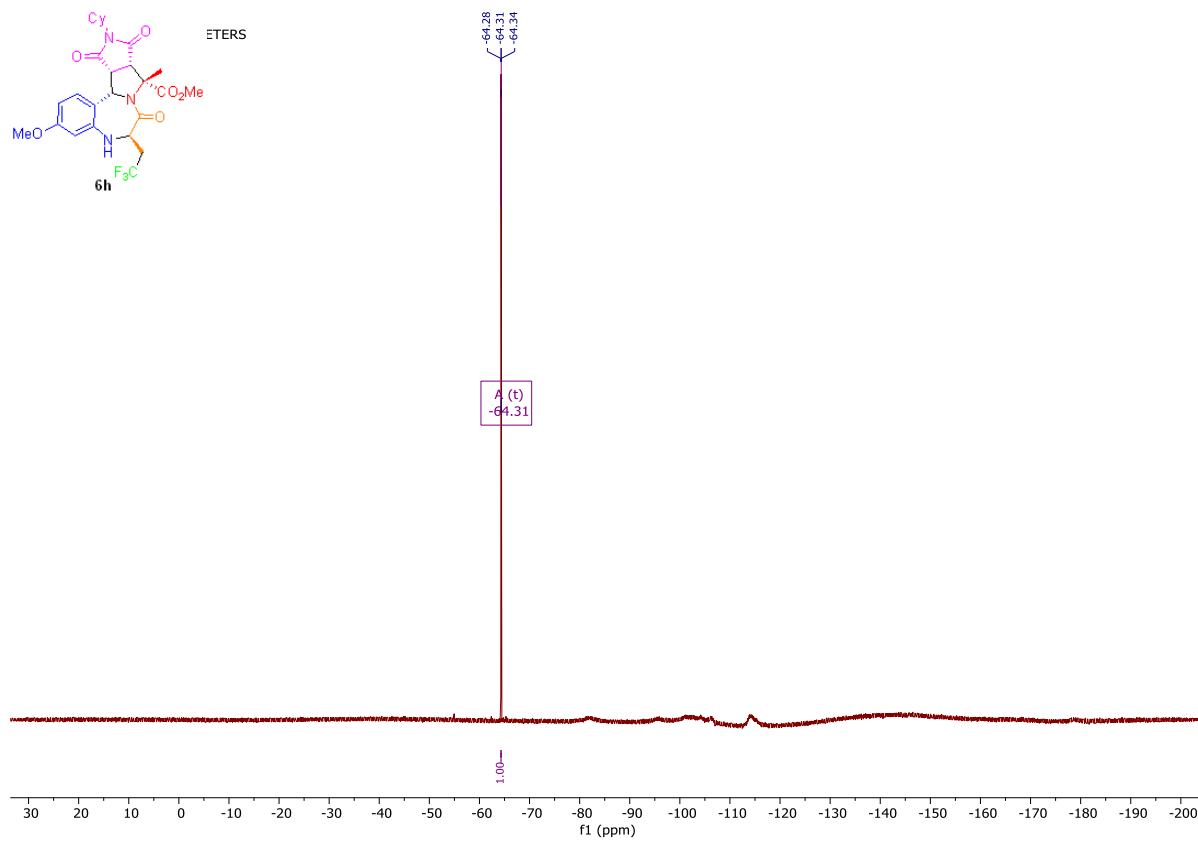
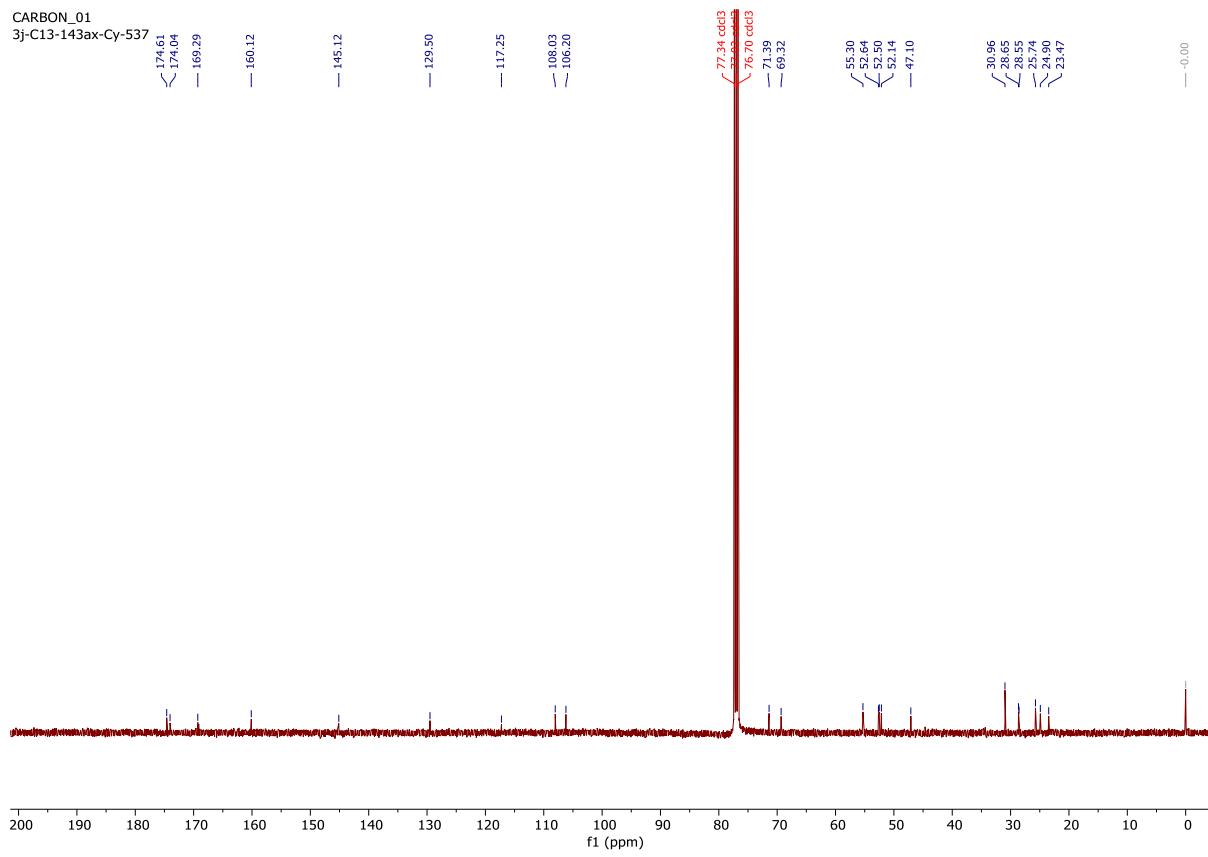


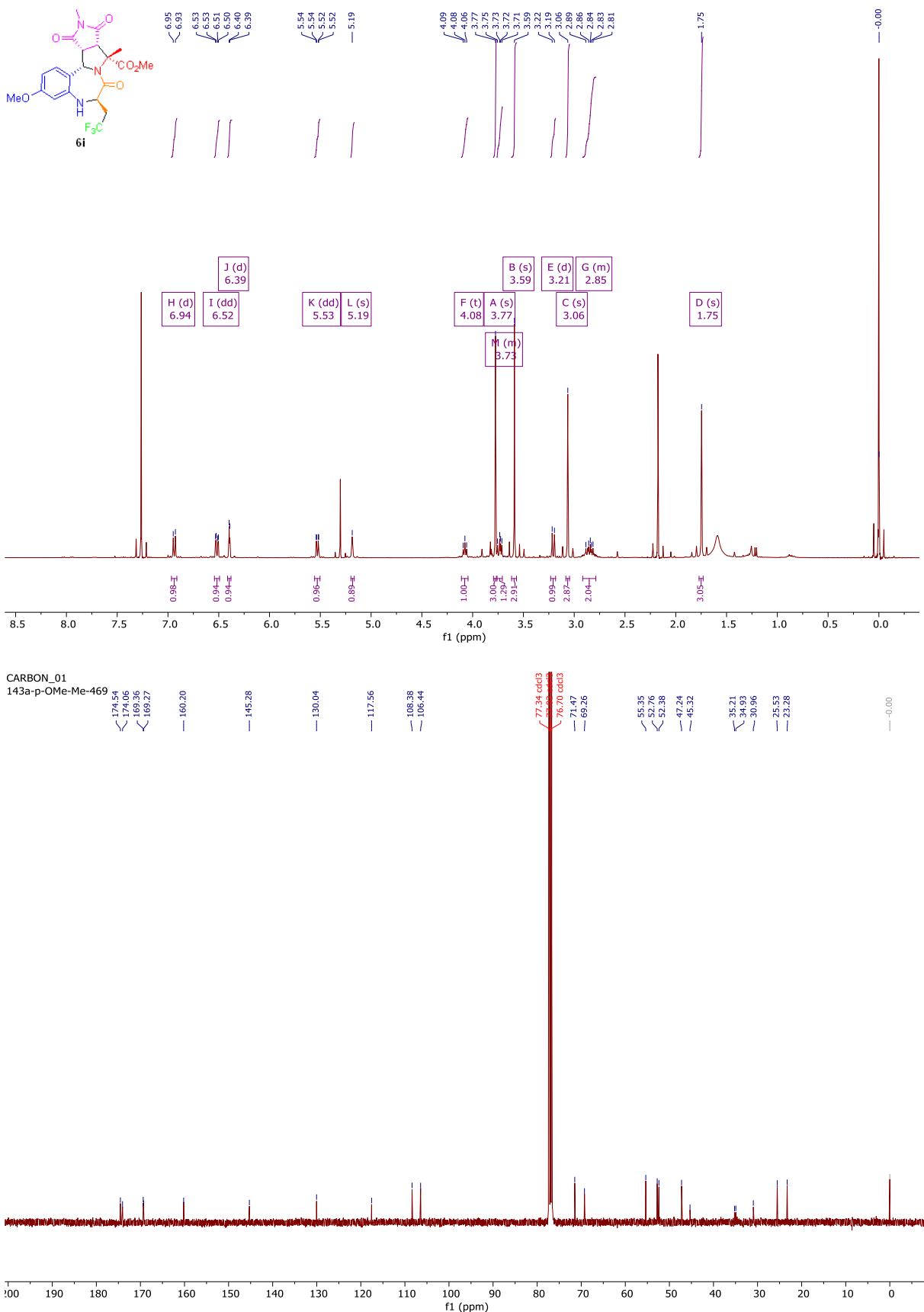
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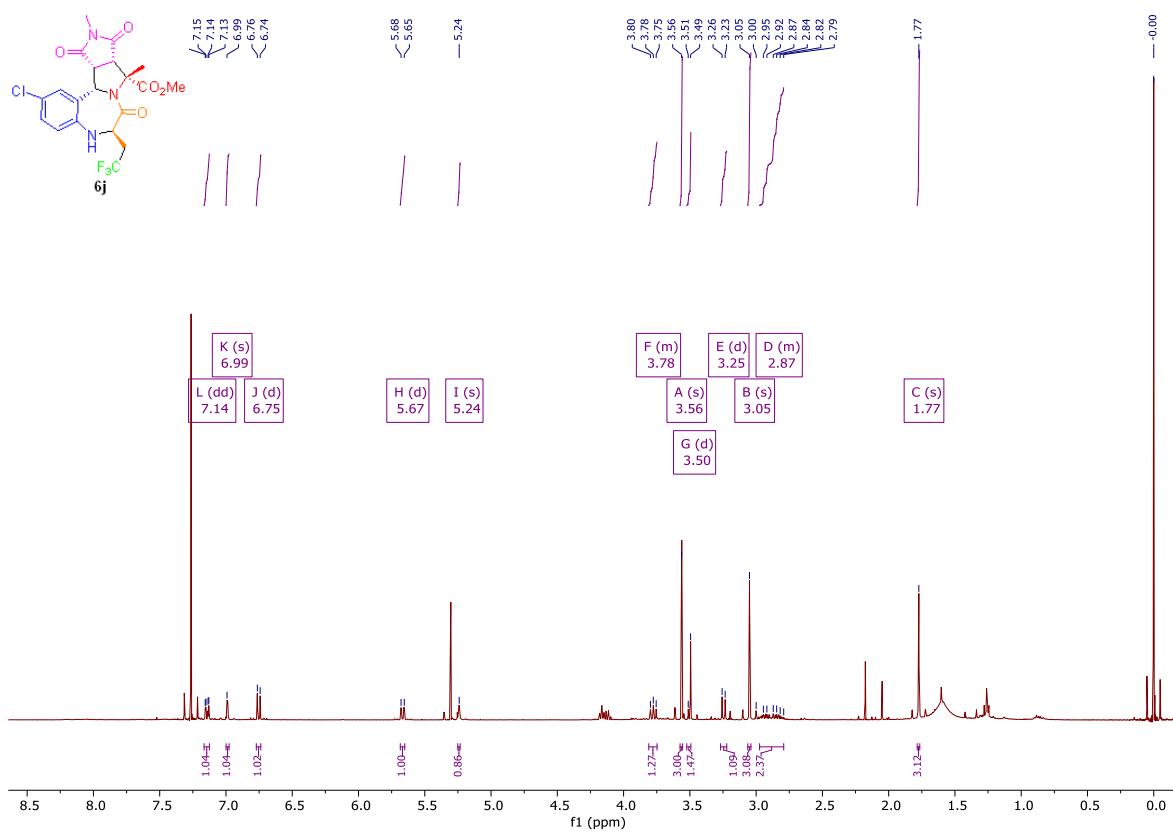
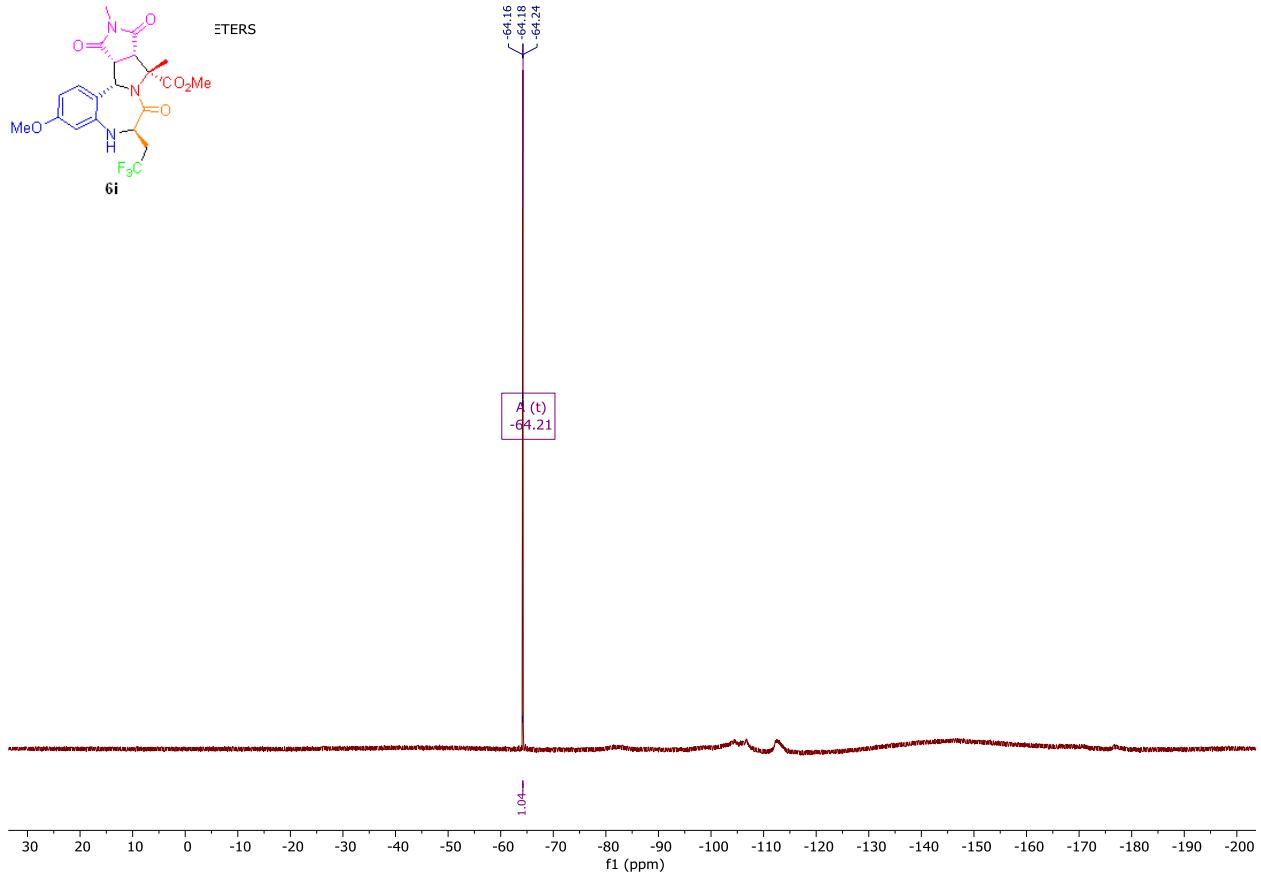




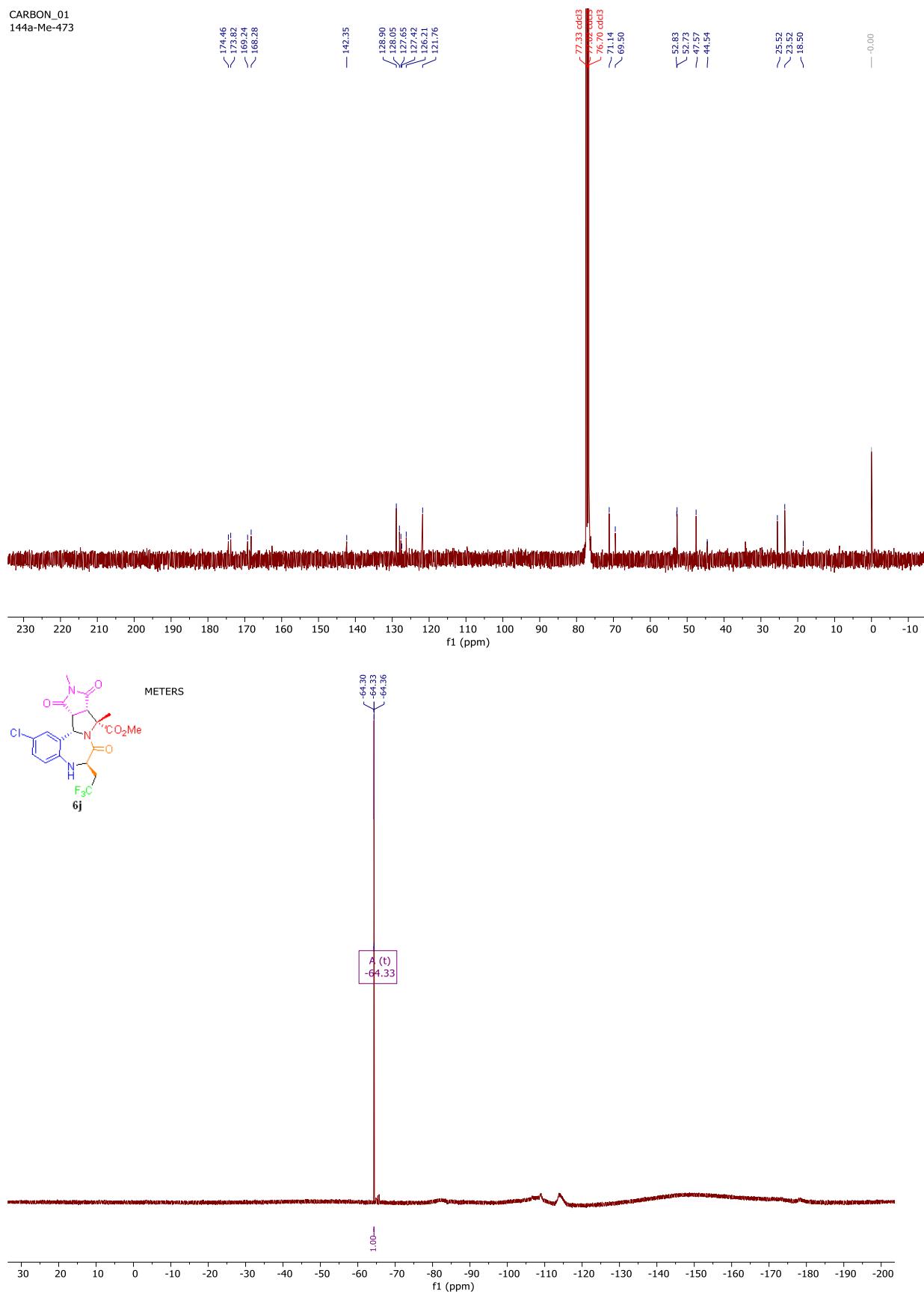


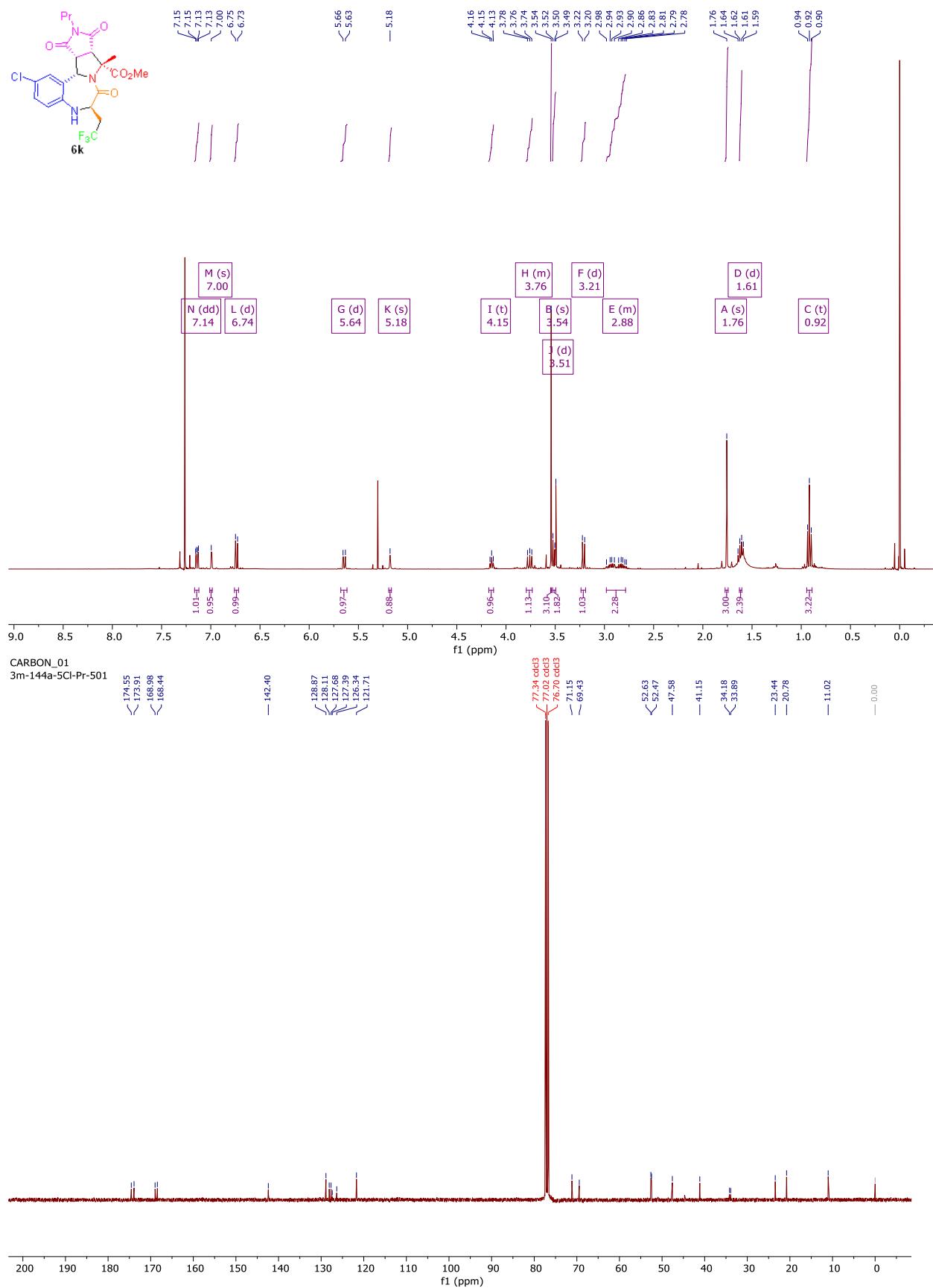


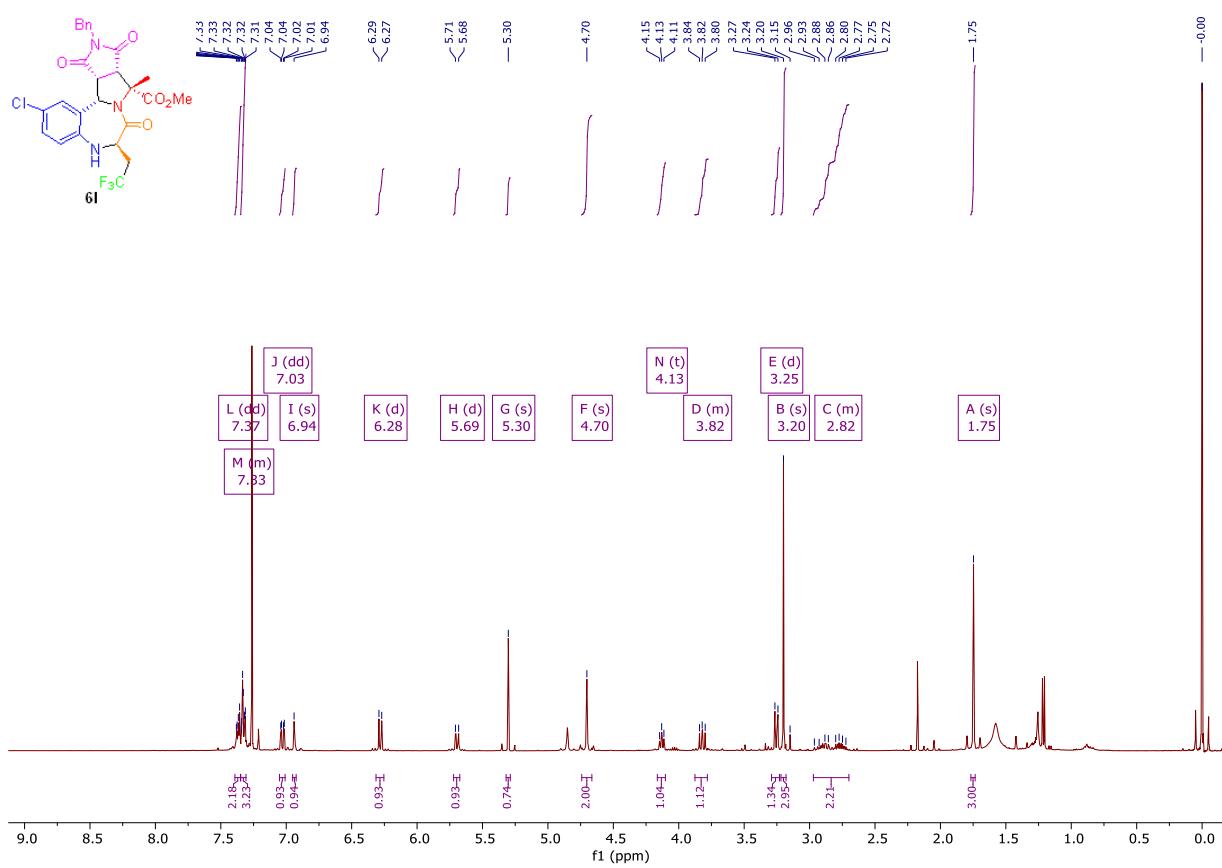
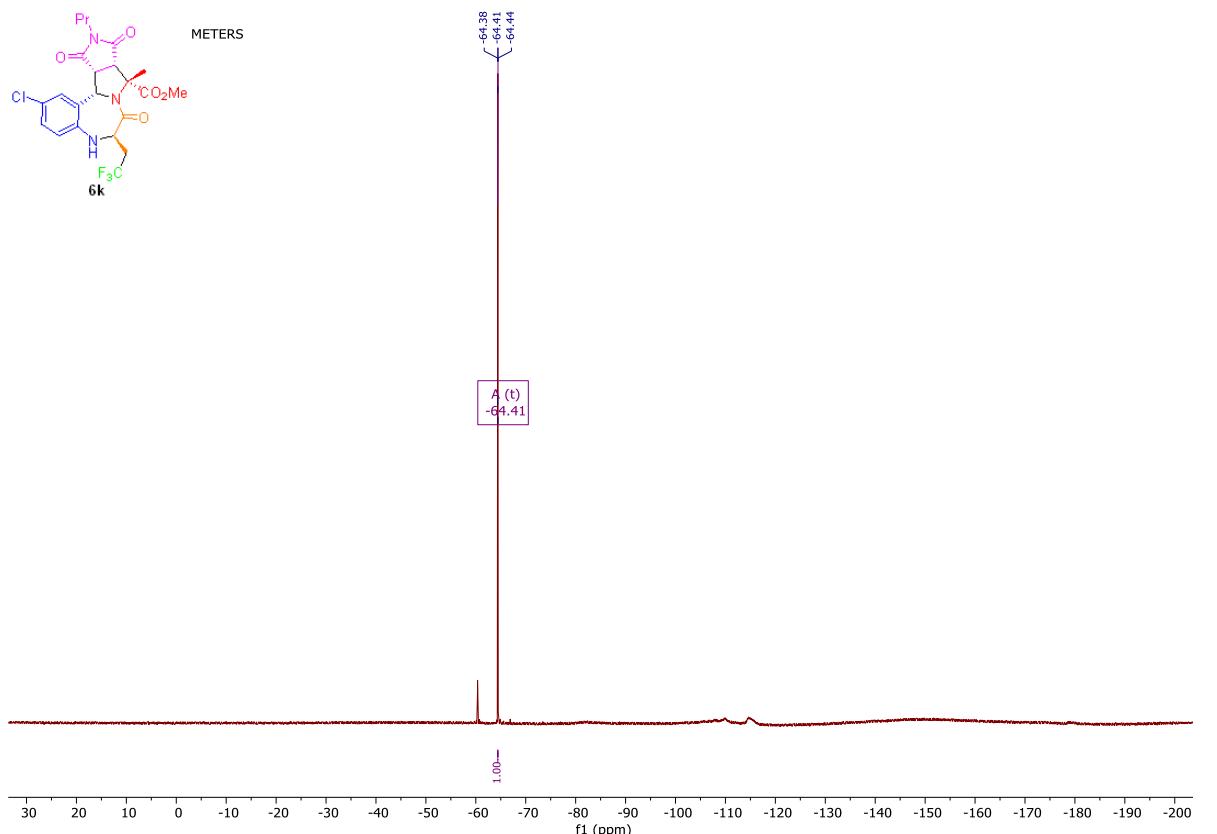




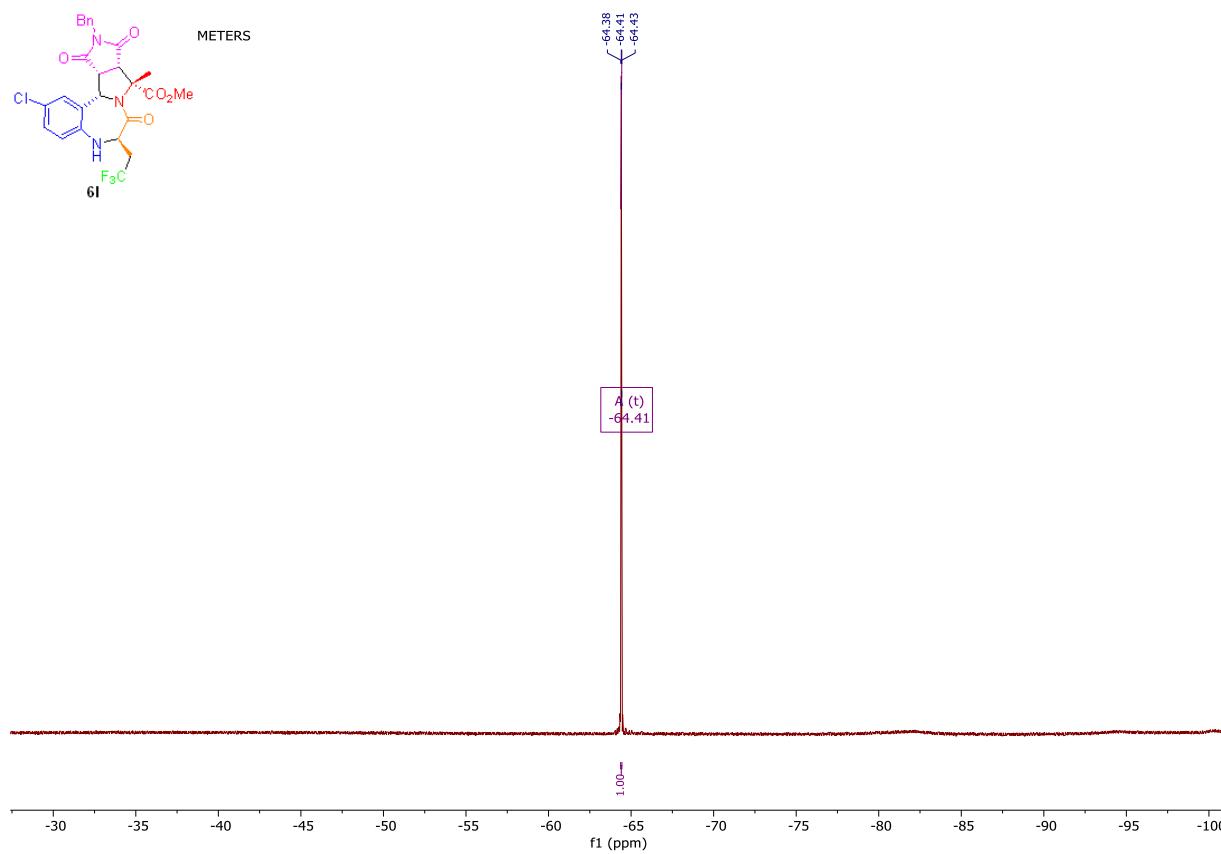
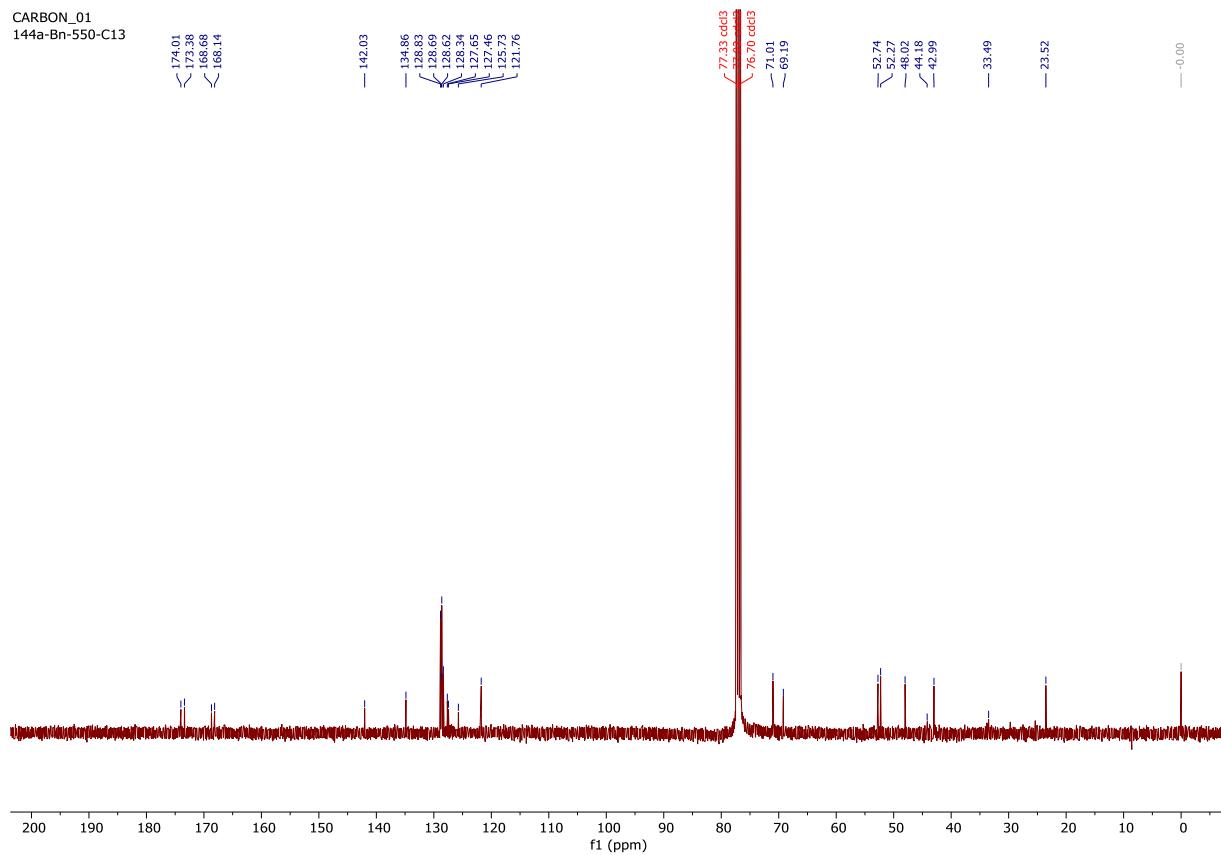
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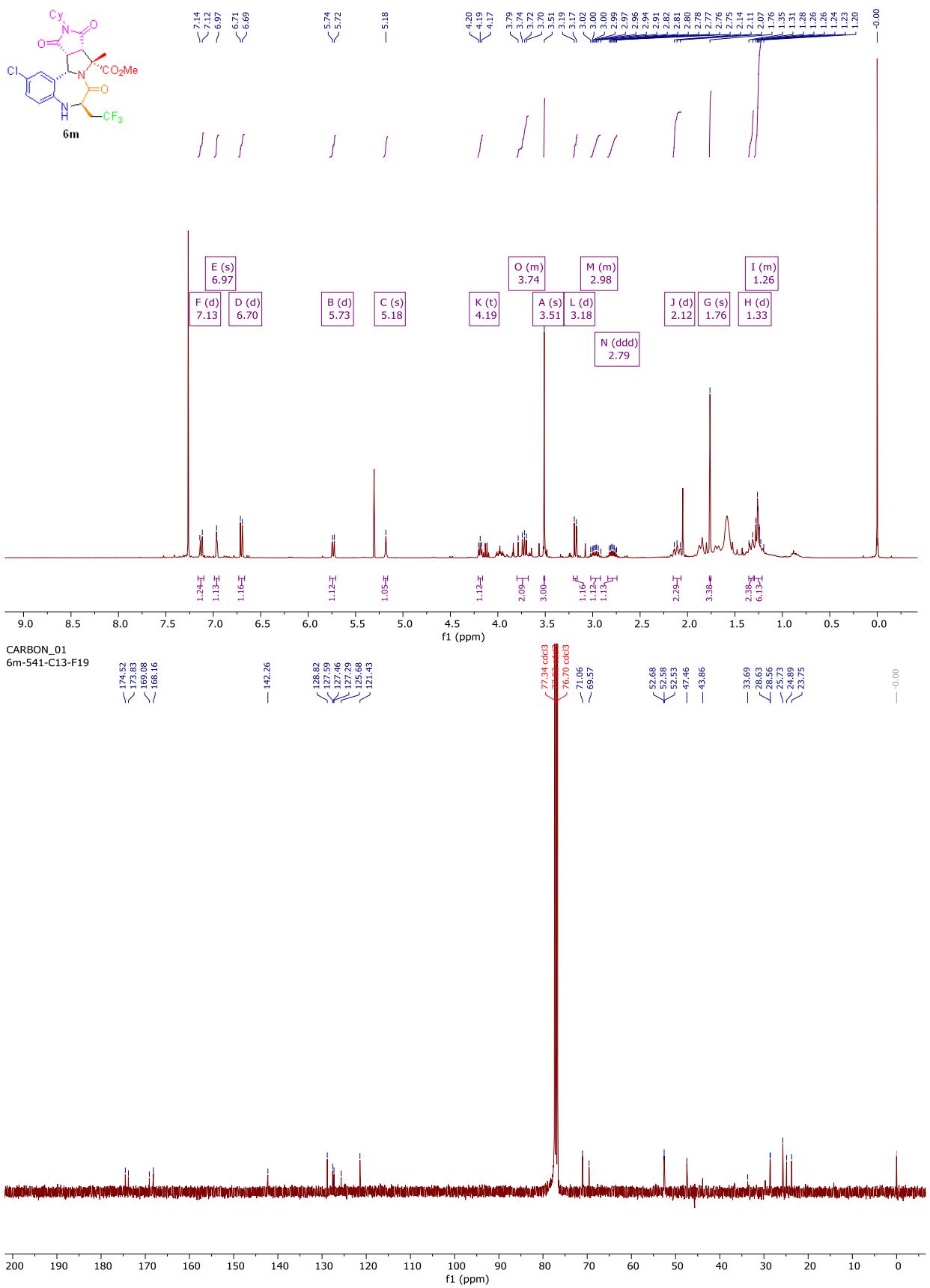


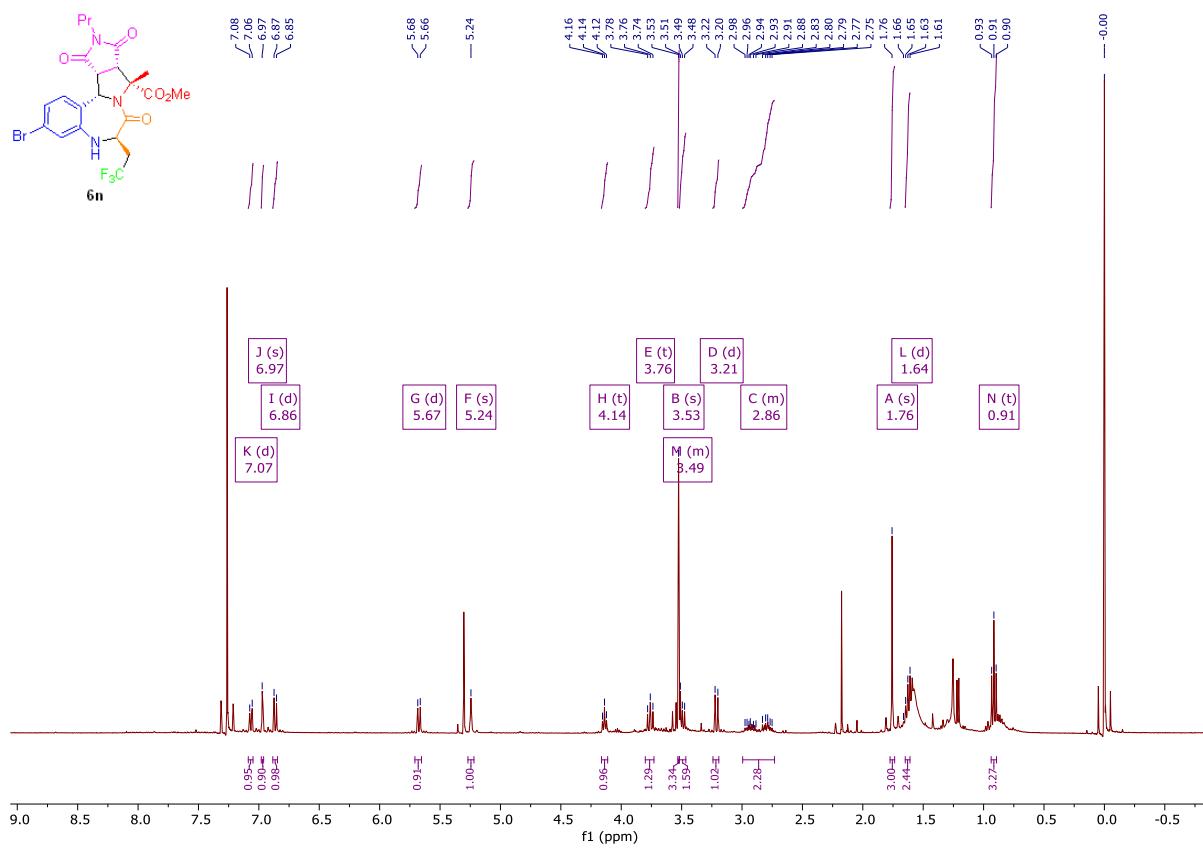
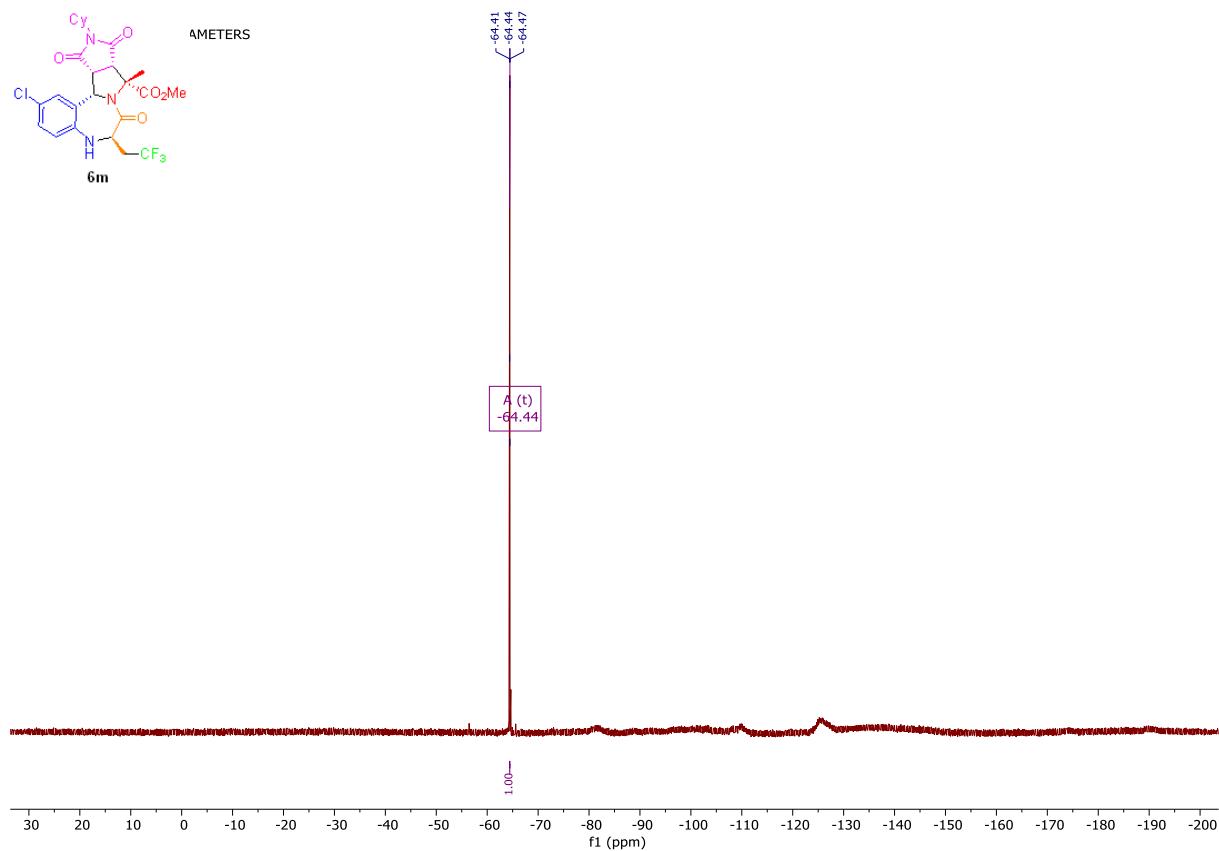




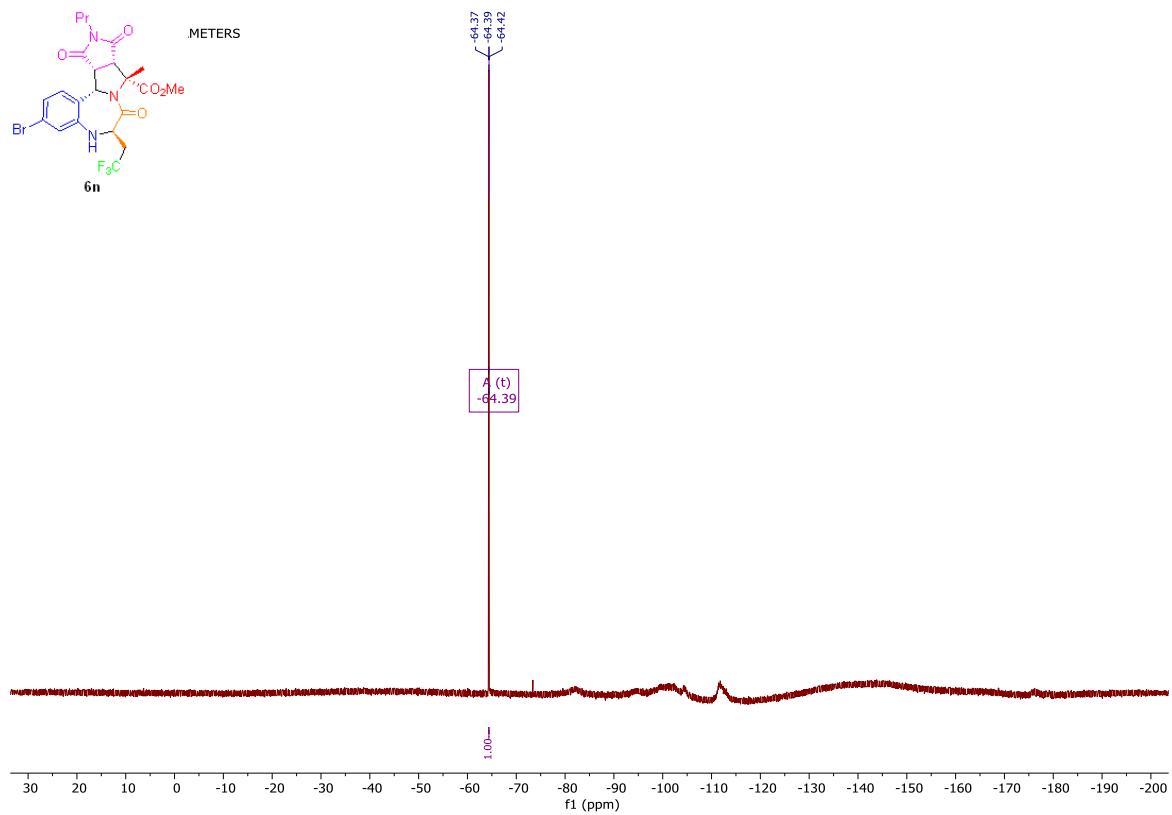
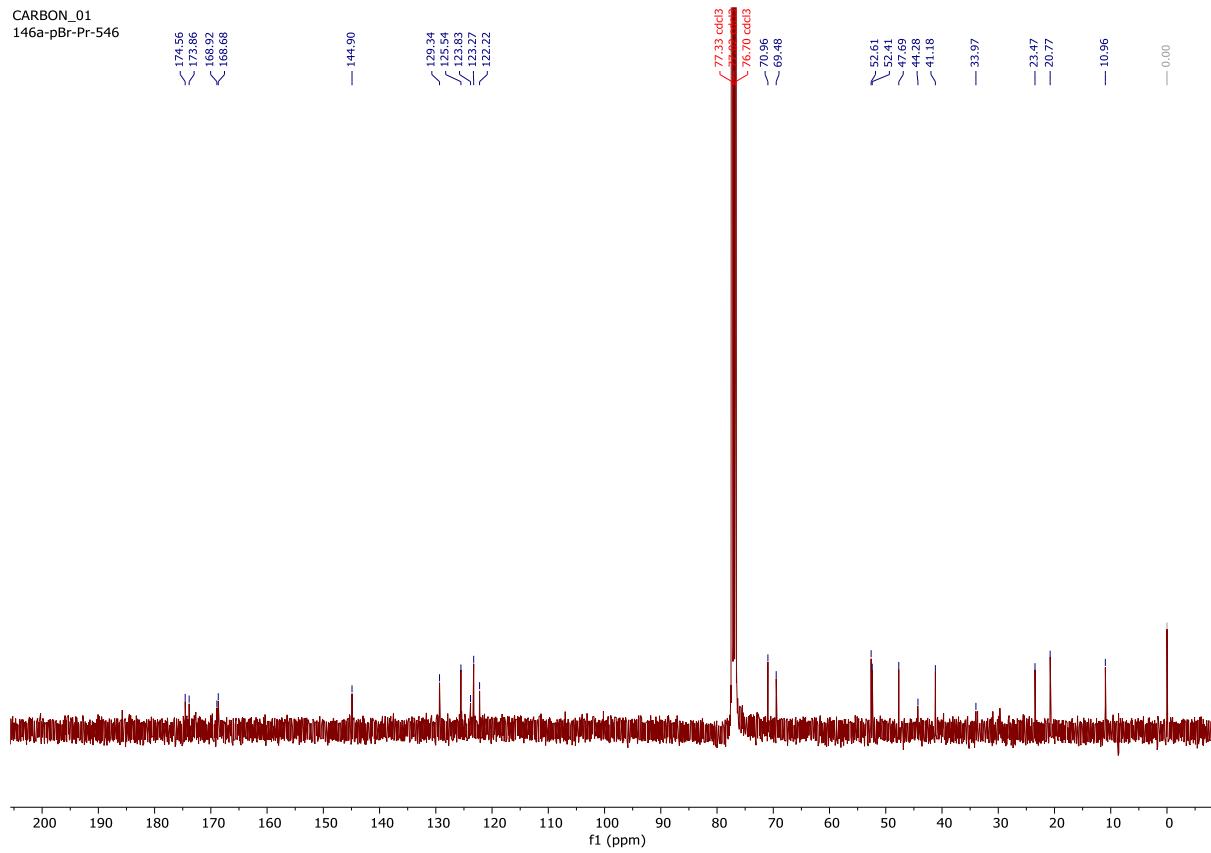
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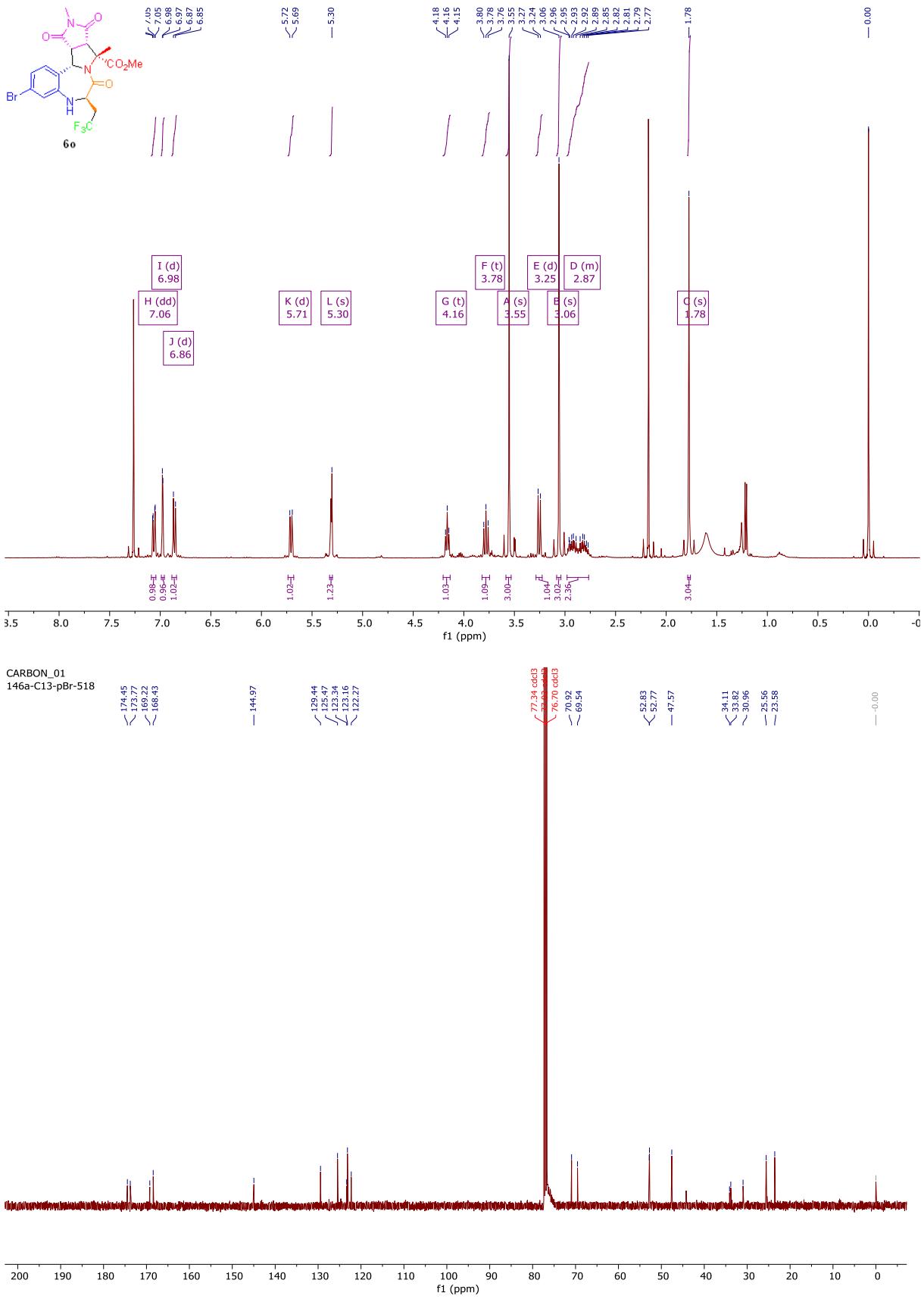


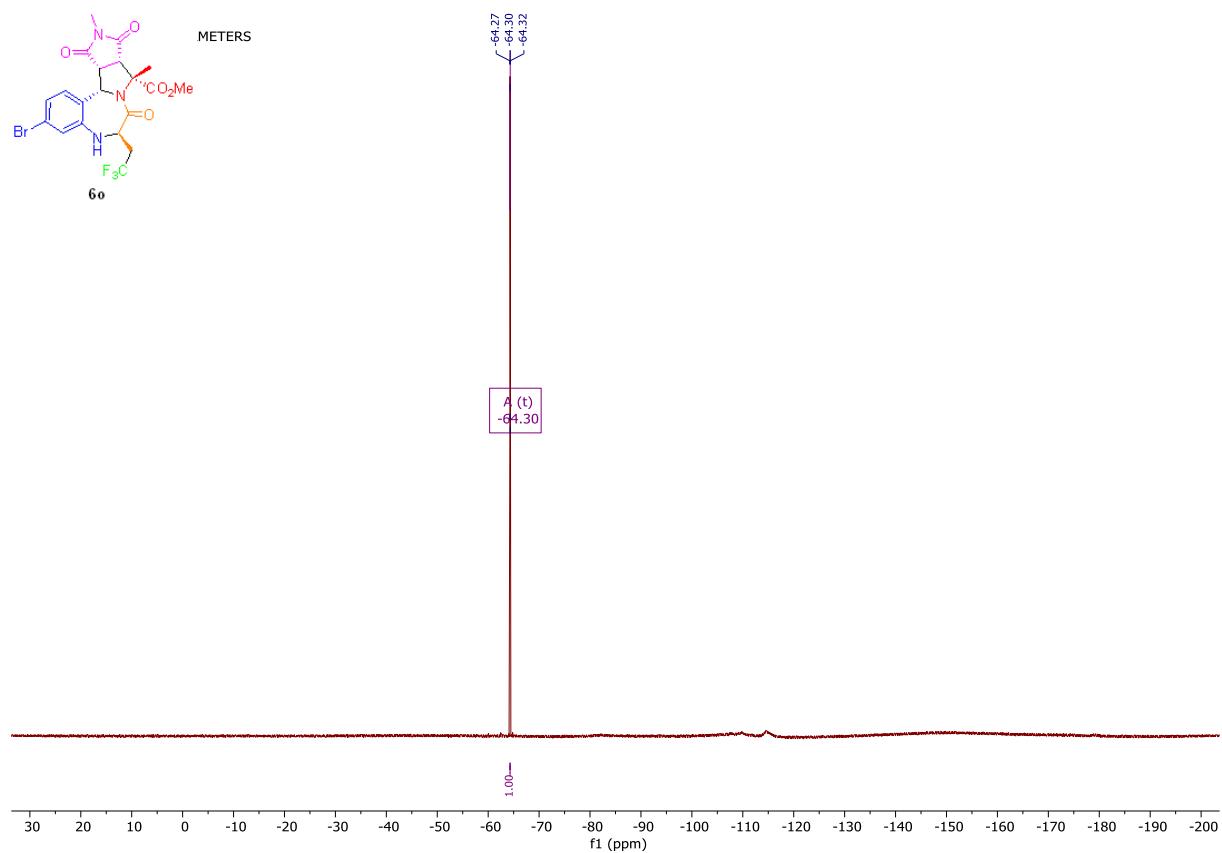




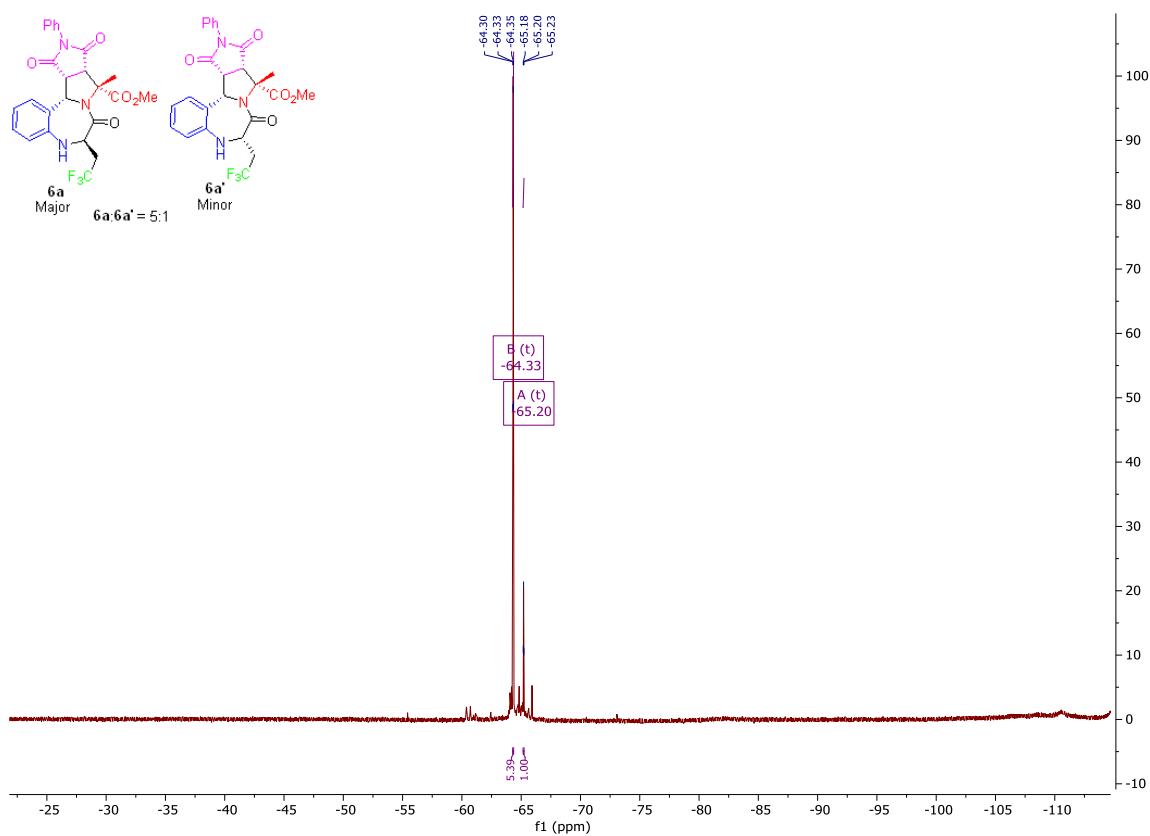
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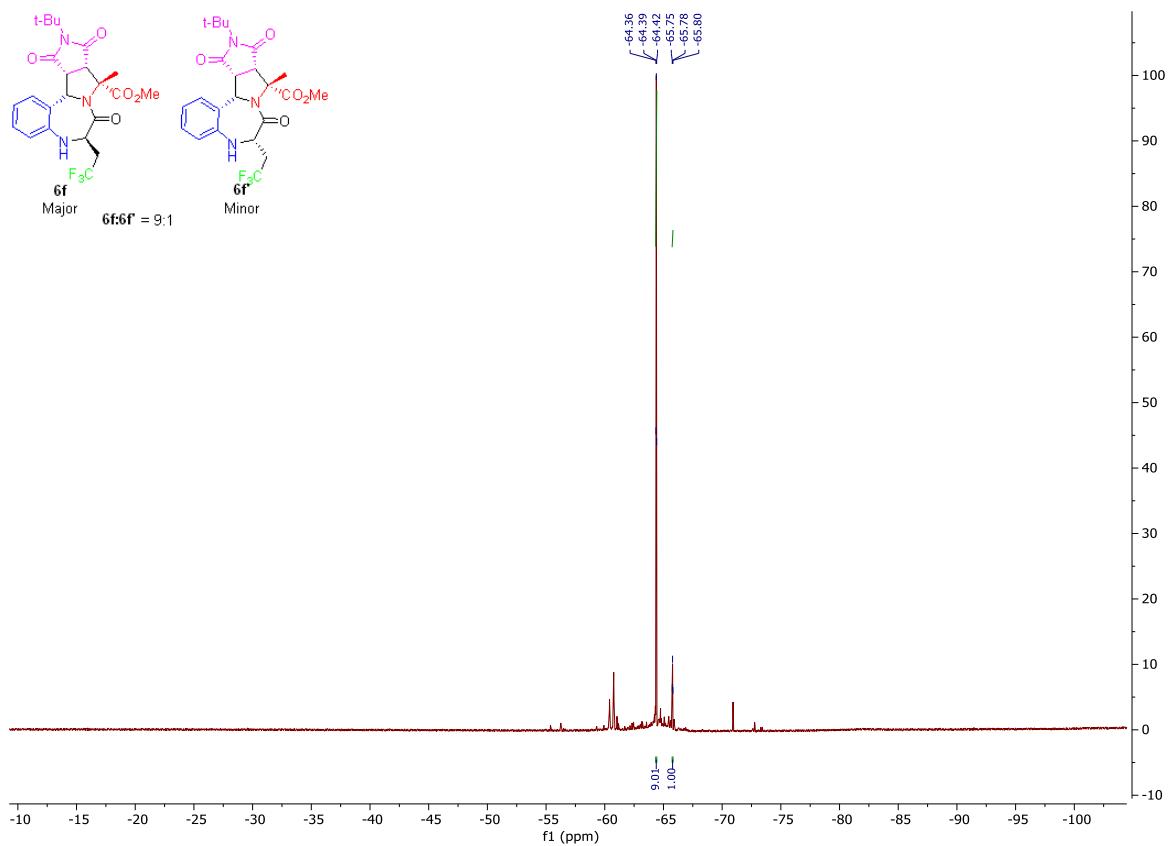






**2. Determination of dr by  $^{19}\text{F-NMR}$ , exemplified 6a and 6f**





### 3. NOESY NMR Spectrum of 6c

