

## Supplementary Material

### Generation of benzyne from aryl benziiodoxaborole triflate under aqueous conditions and its reactions with alkyl aryl sulfides

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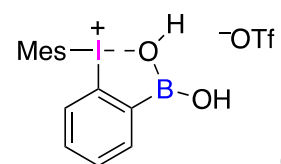
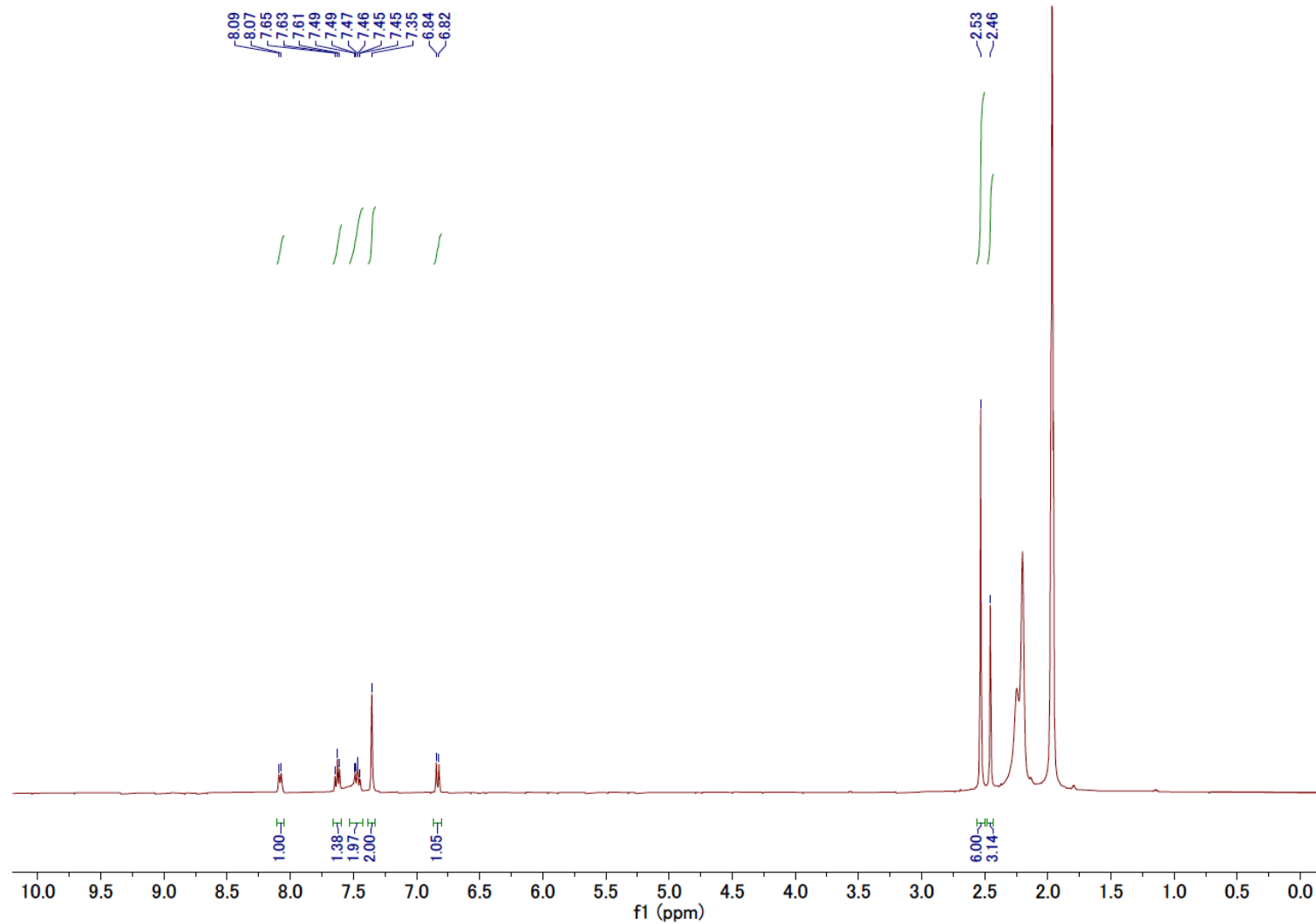
<sup>b</sup> Department of Chemistry and Biochemistry, University of Minnesota Duluth,  
Duluth, Minnesota 55812, USA

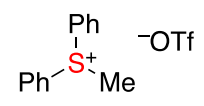
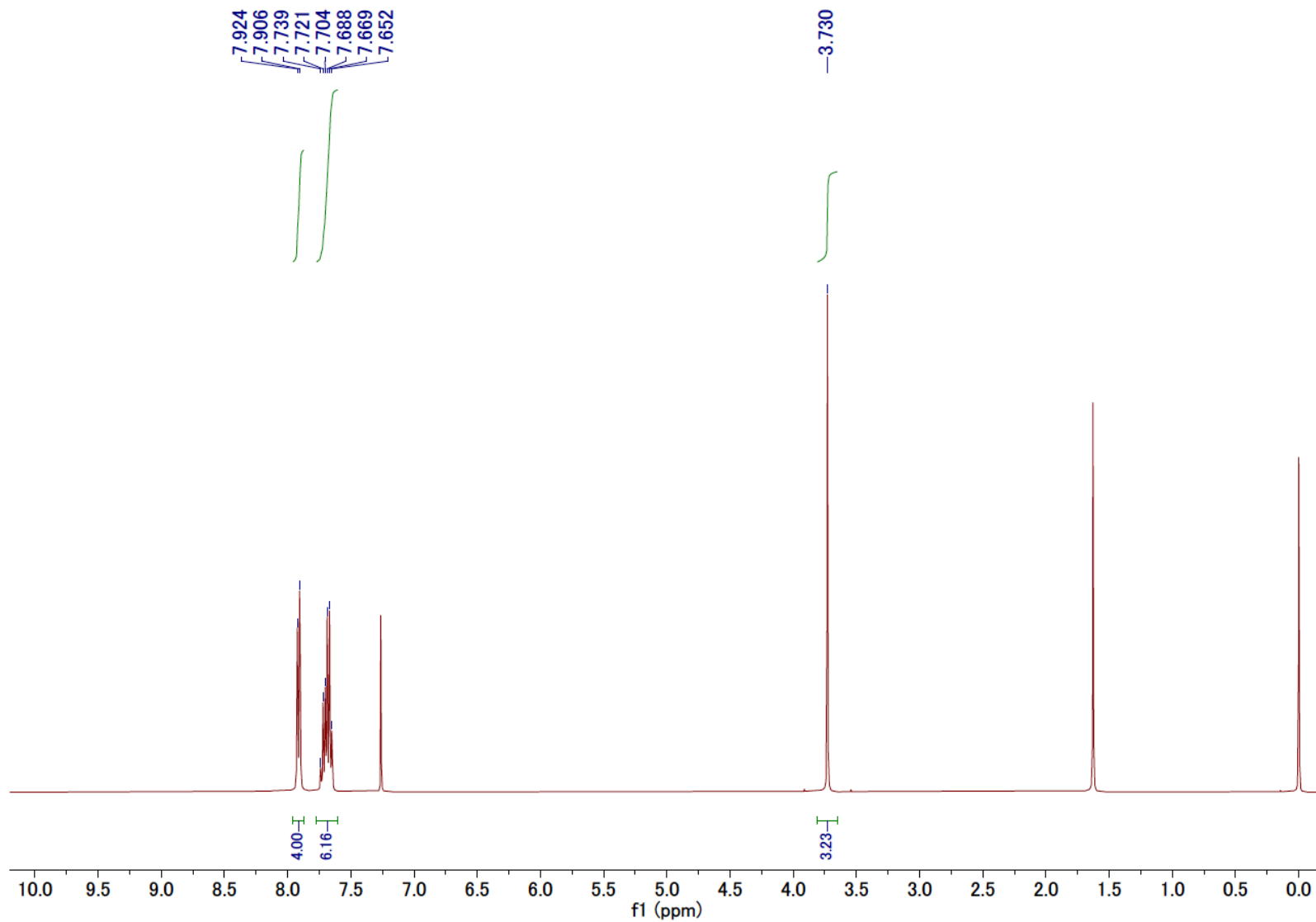
<sup>c</sup> Tomsk Polytechnic University, 634050 Tomsk, Russia

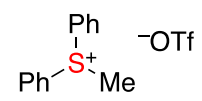
<sup>d</sup> Division of Applied Chemistry, Institute of Engineering, Tokyo University of Agriculture and Technology, 2-24-16 Naka-cho, Koganei,  
Tokyo 184-8588, Japan  
Email: [vzhdanki@d.umn.edu](mailto:vzhdanki@d.umn.edu)

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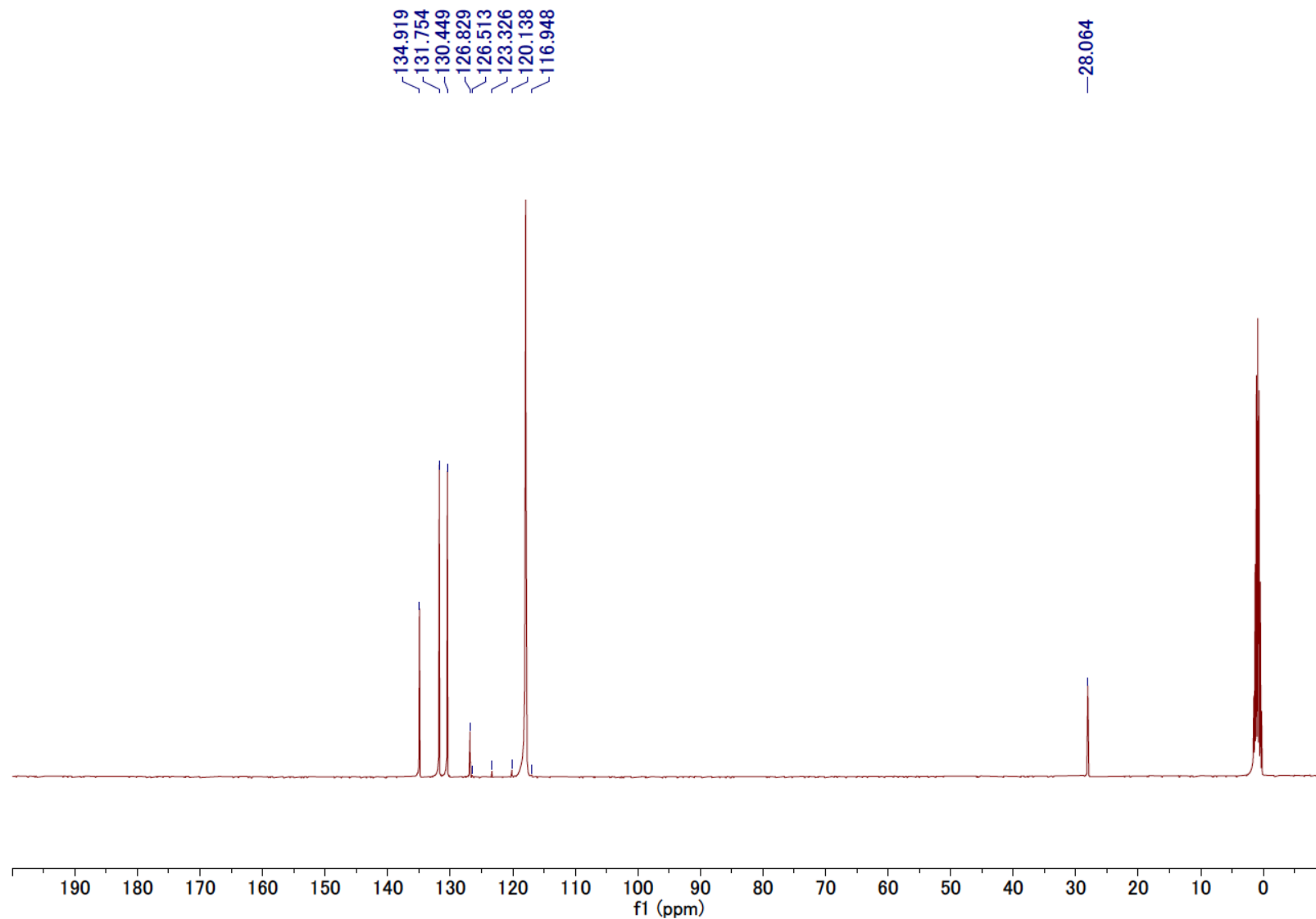
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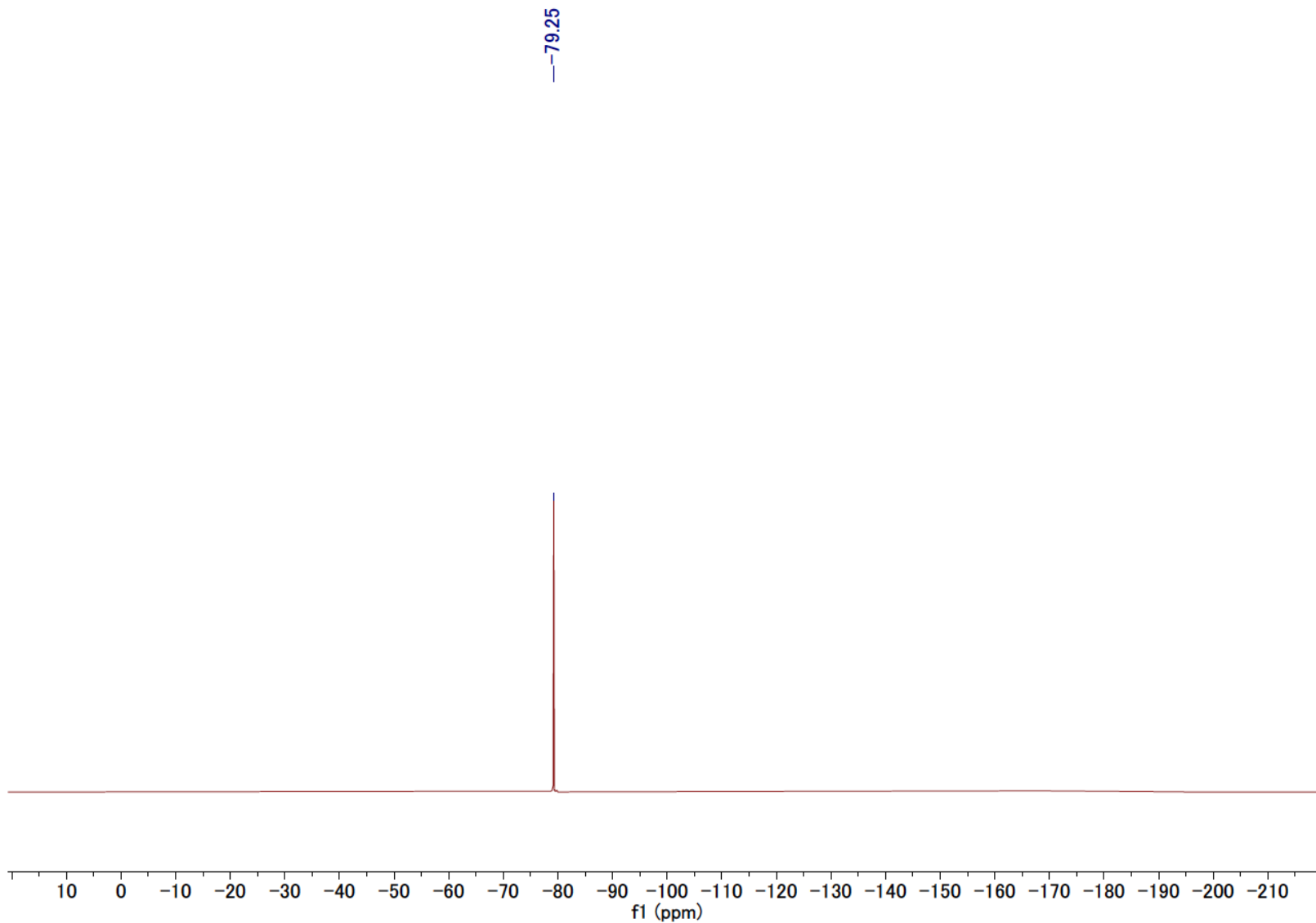
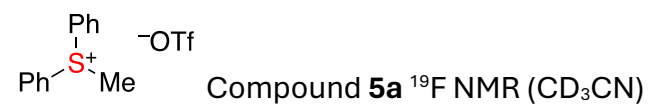
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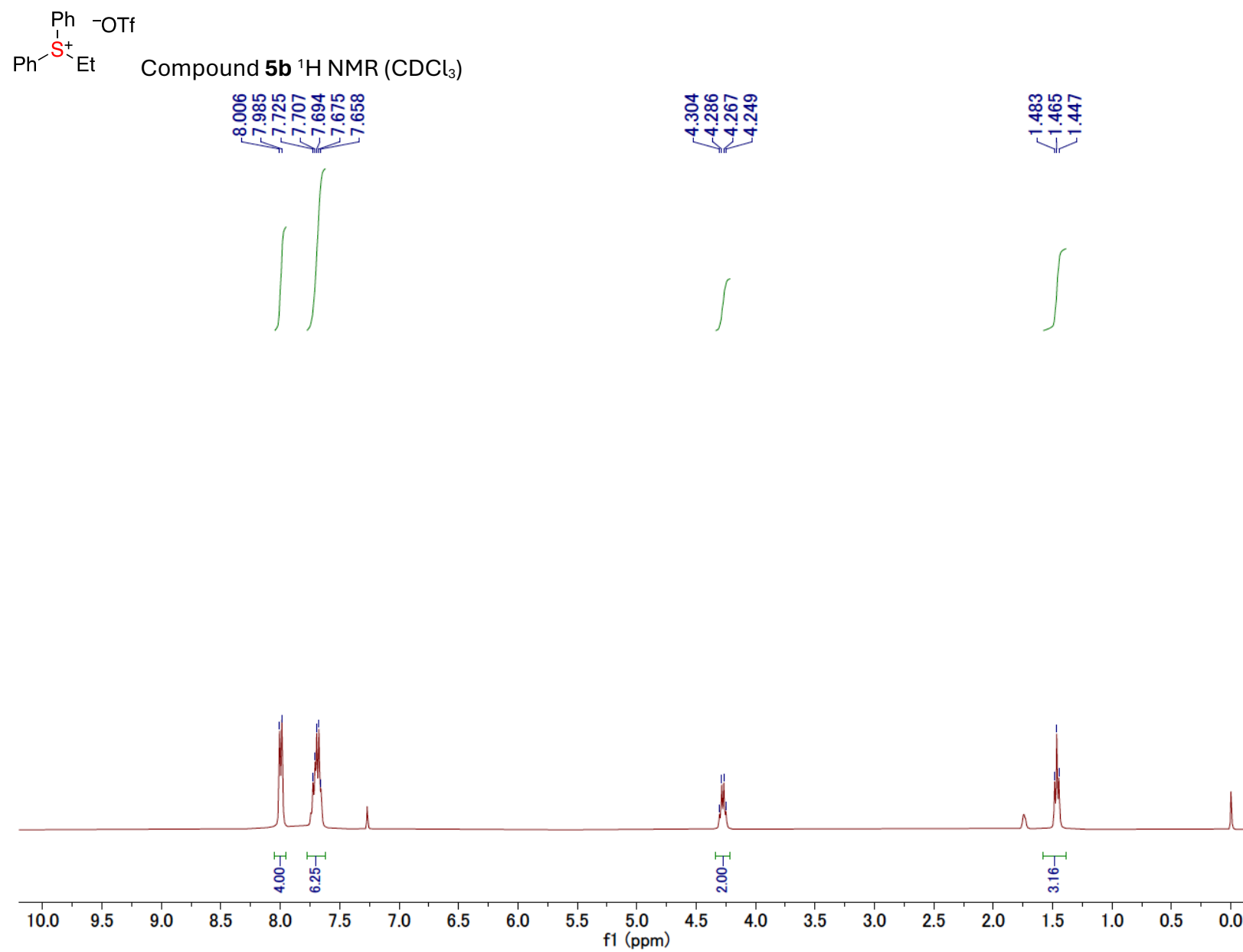
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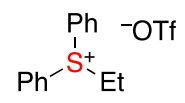


Compound **5a**  $^{13}\text{C}$  NMR ( $\text{CD}_3\text{CN}$ )

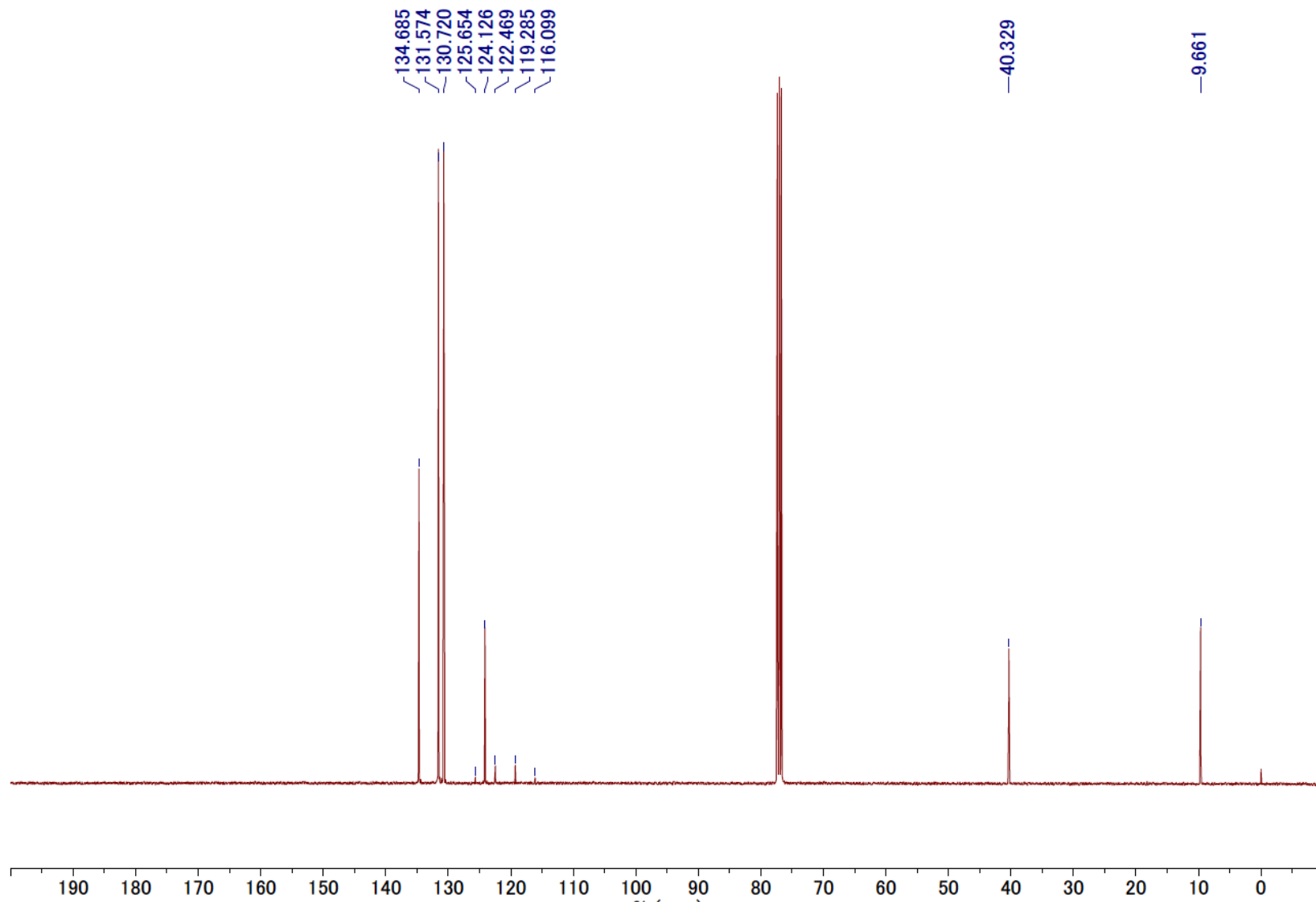


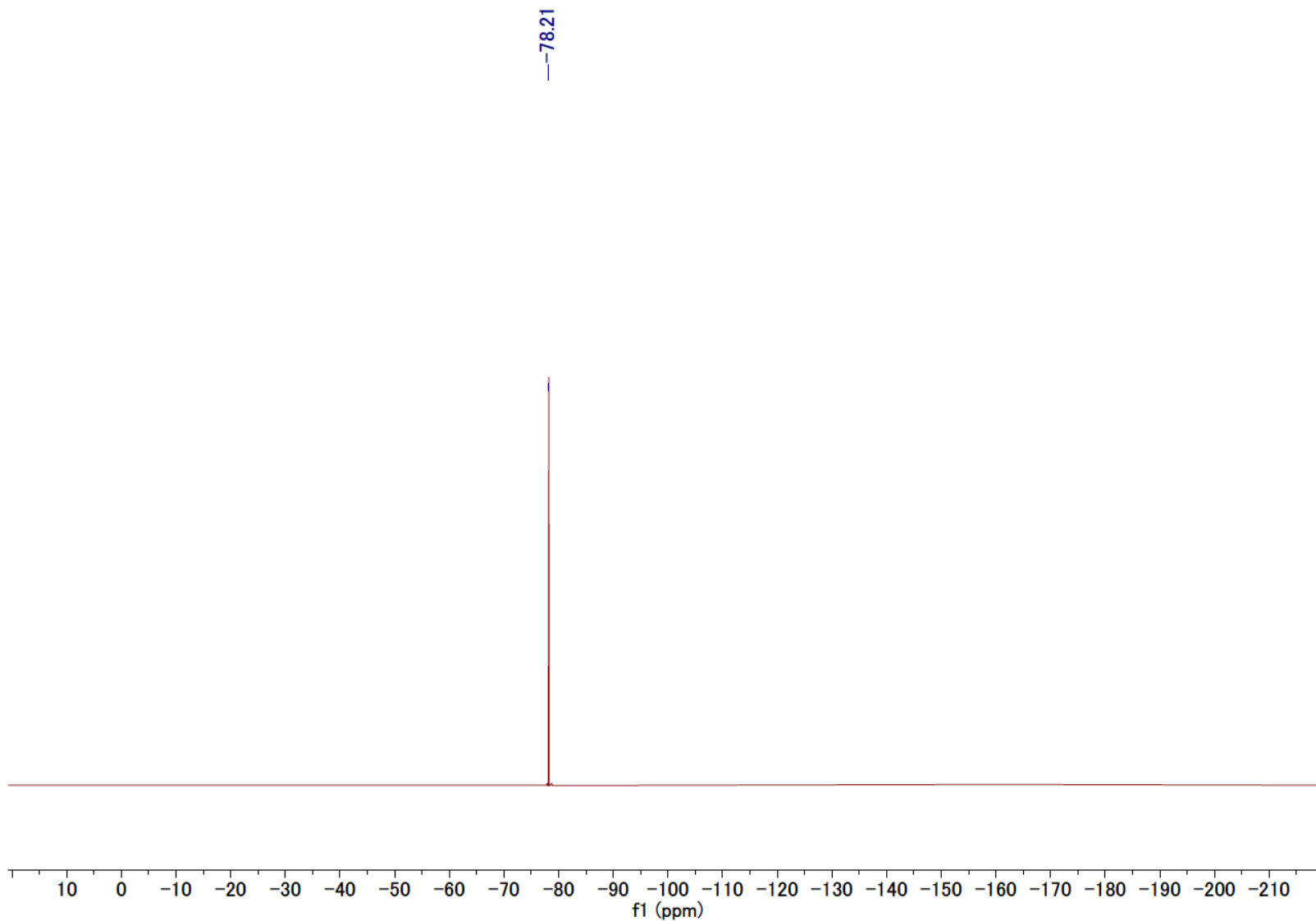
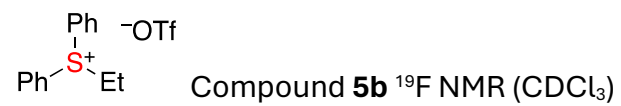




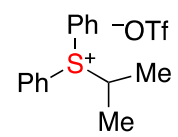
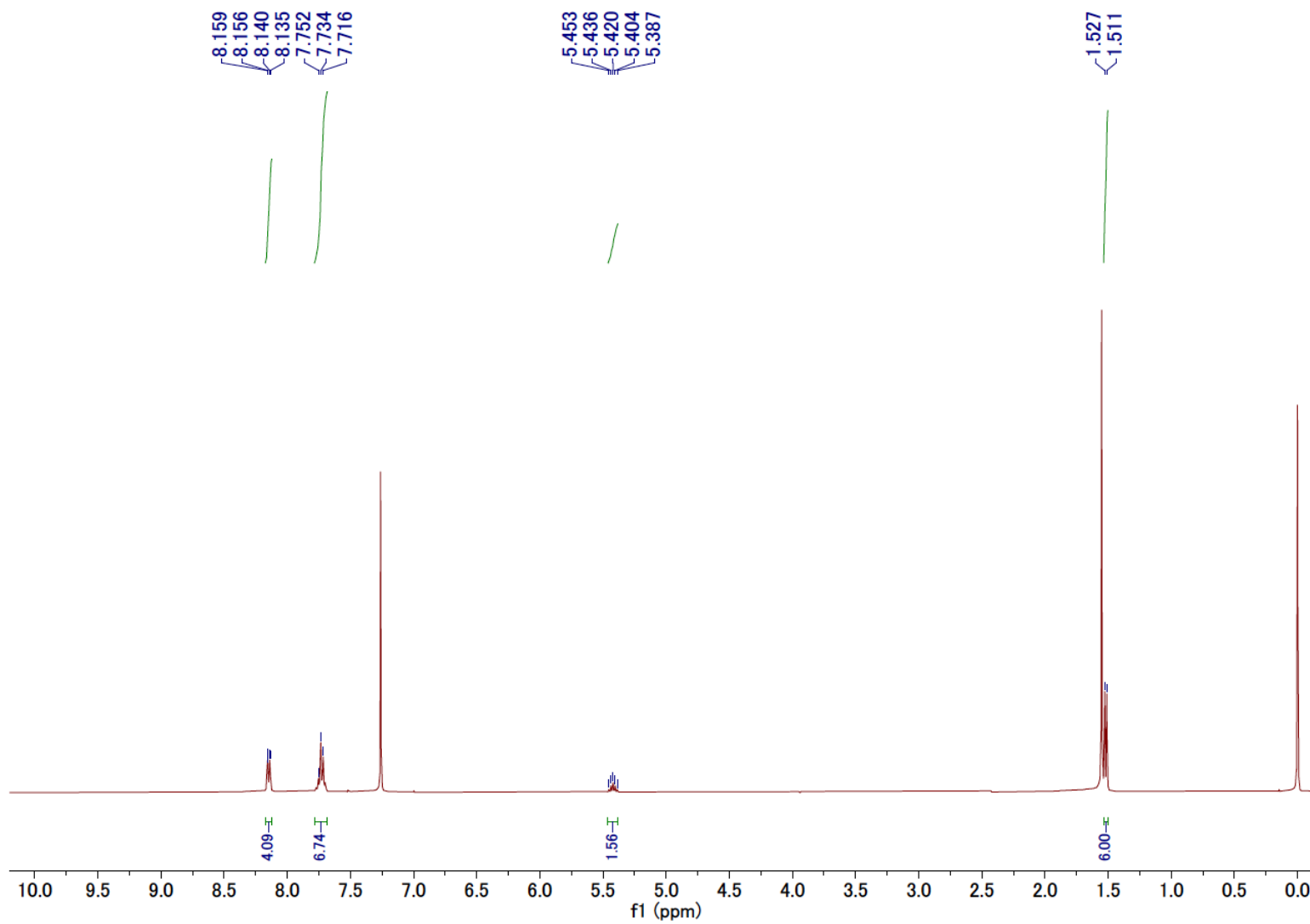


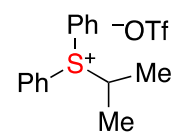
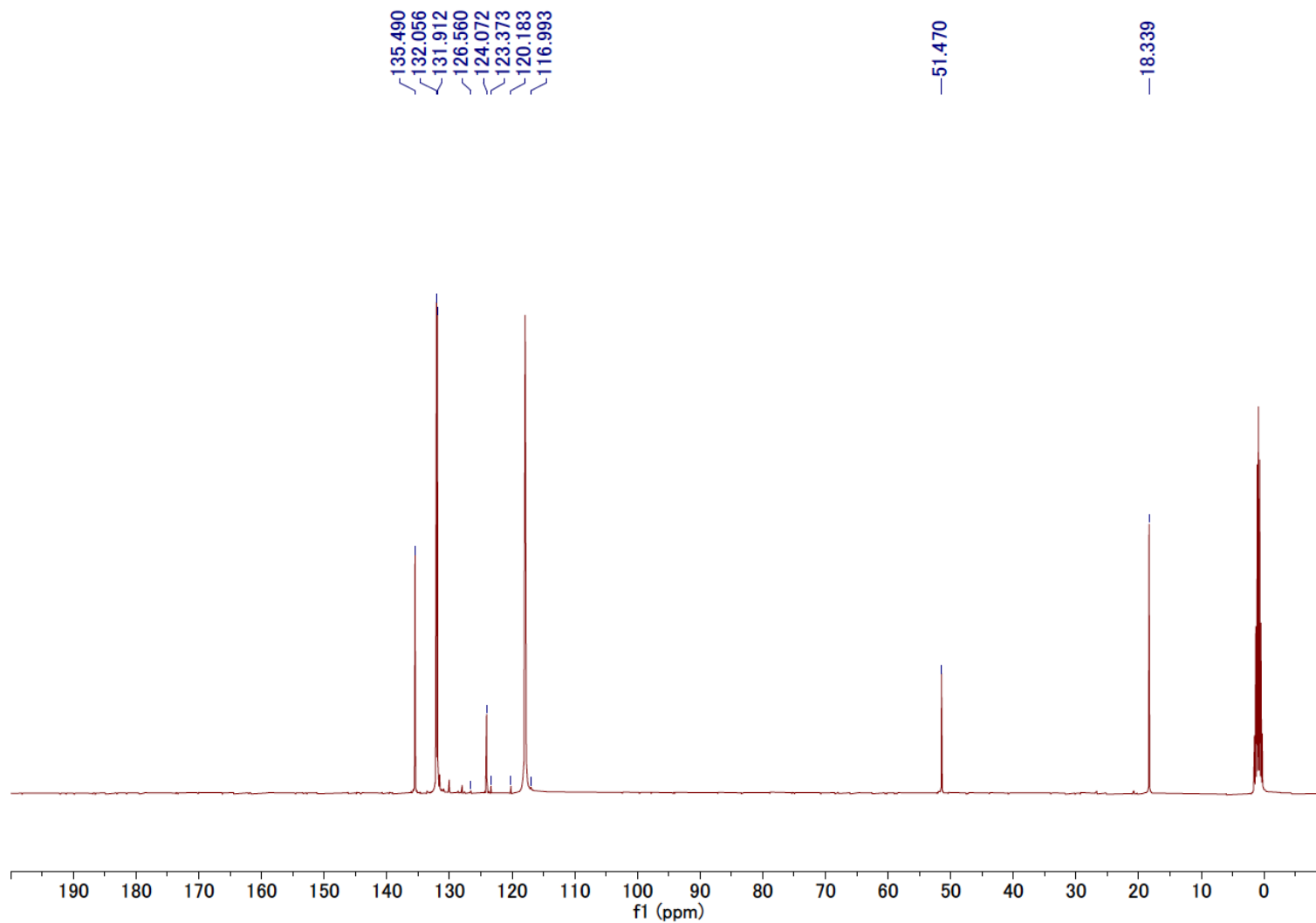
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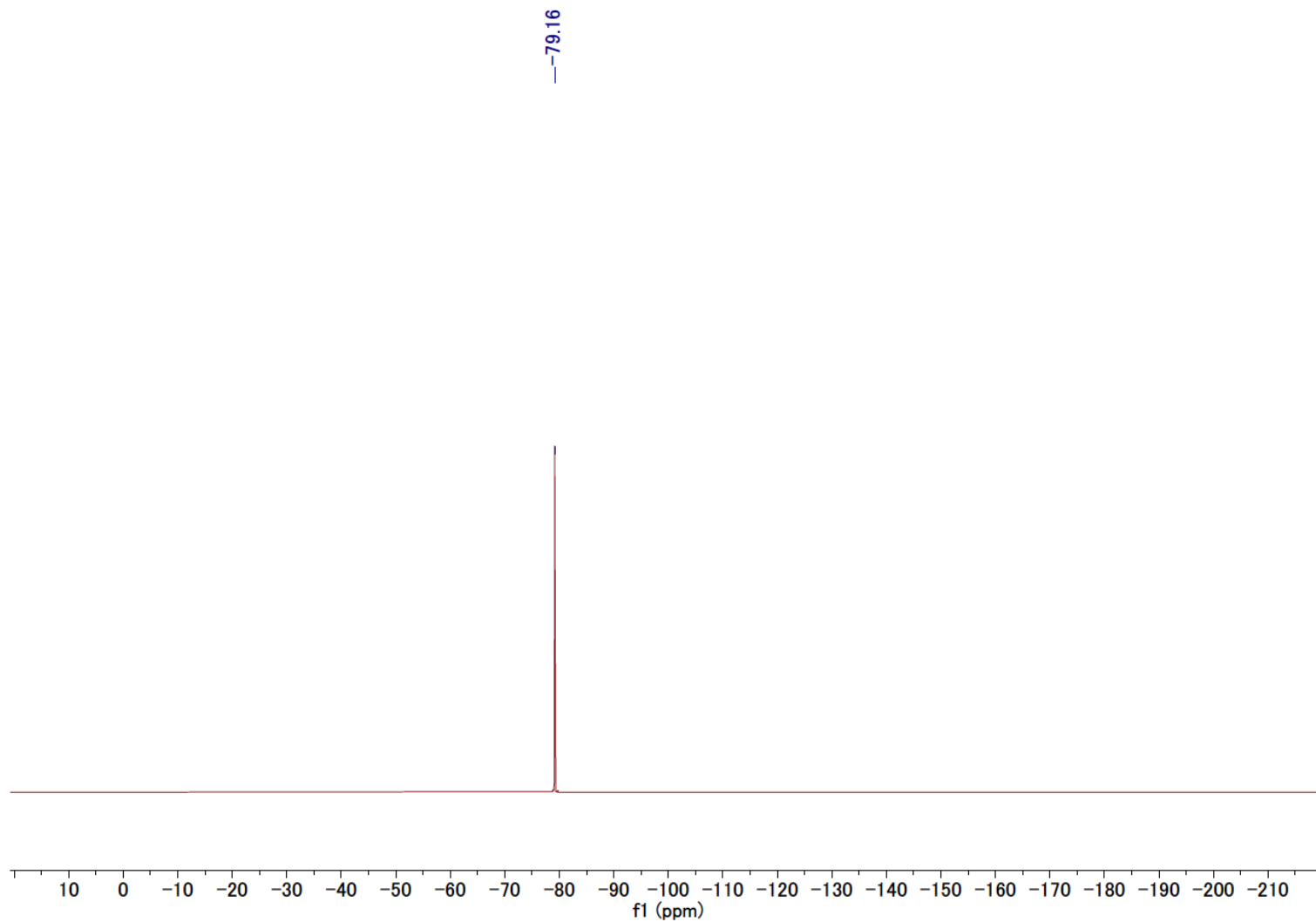


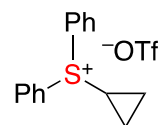
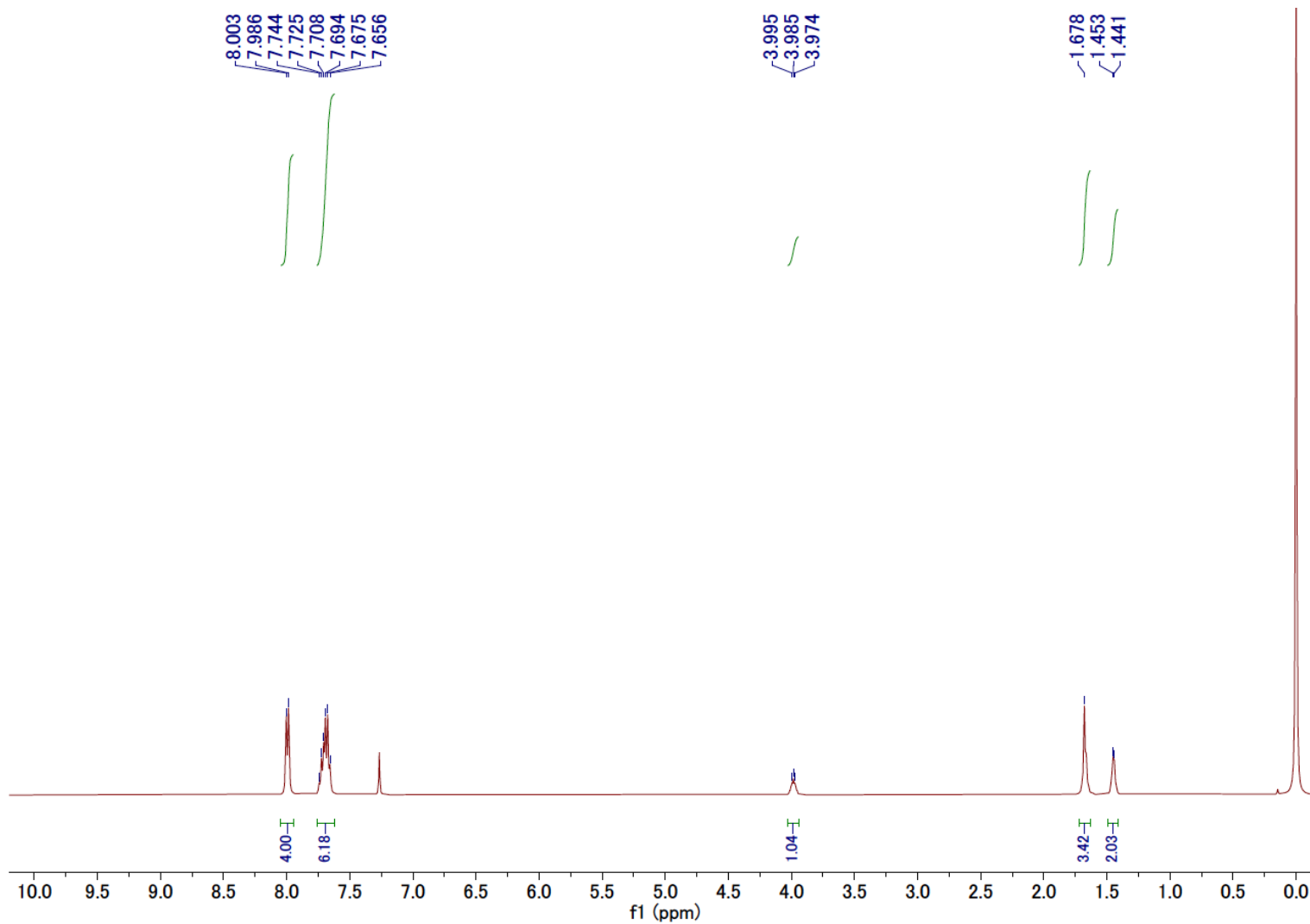


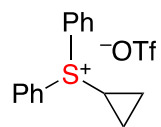


Compound **5c**  $^1\text{H}$  NMR ( $\text{CDCl}_3$ )

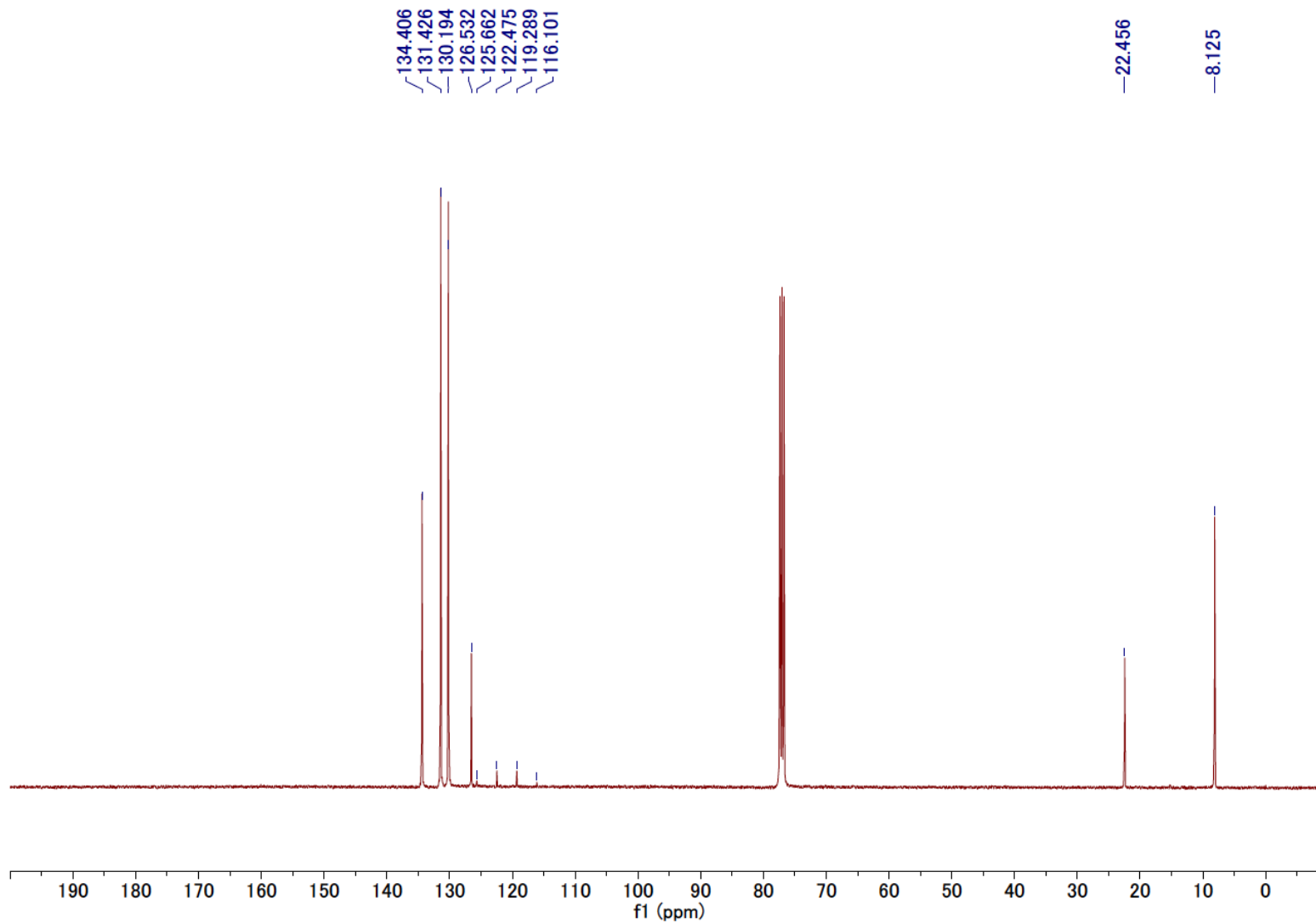
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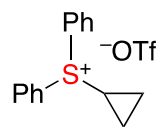


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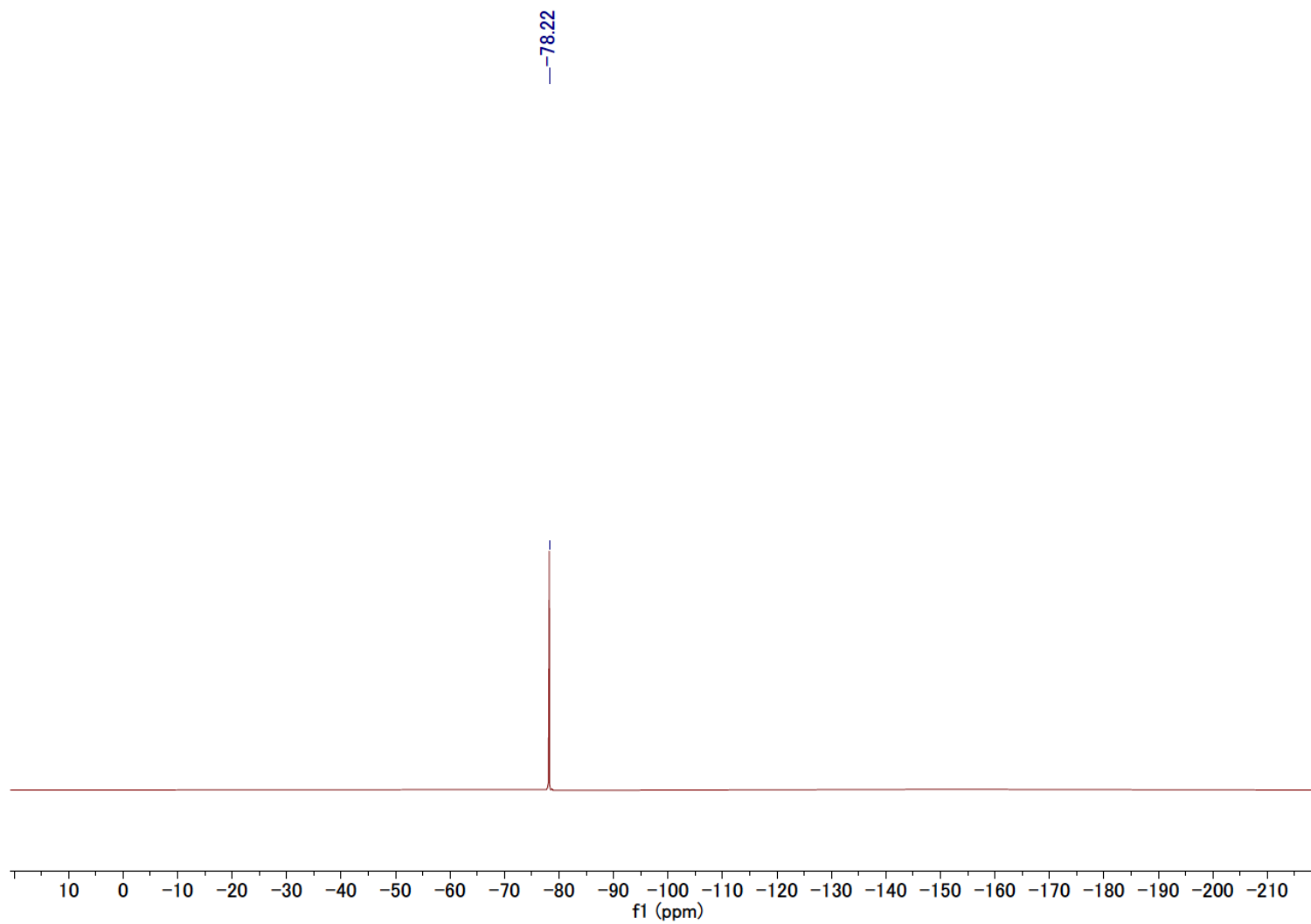


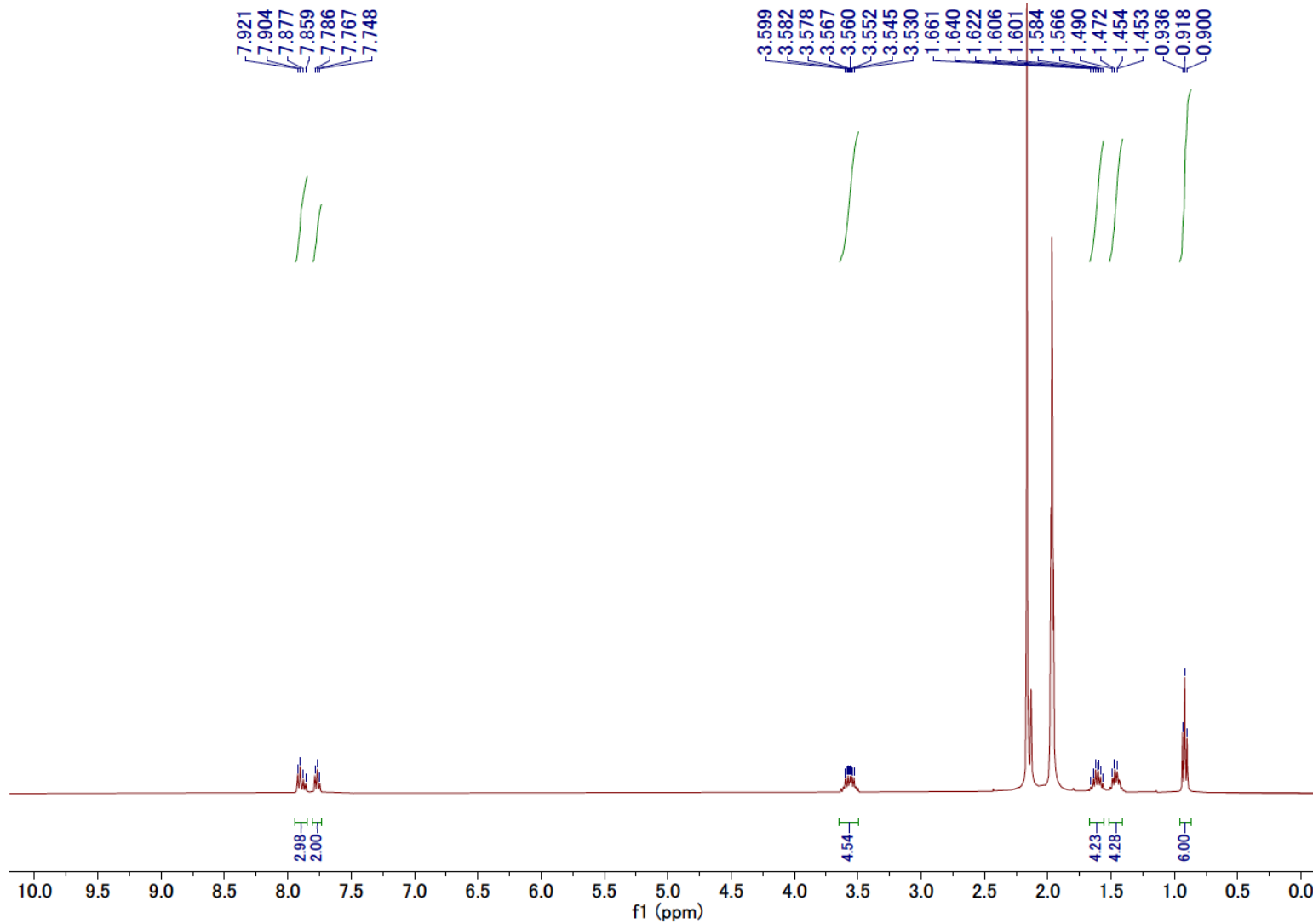
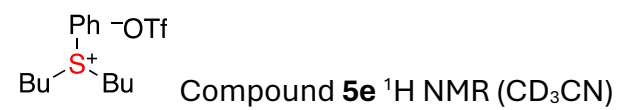
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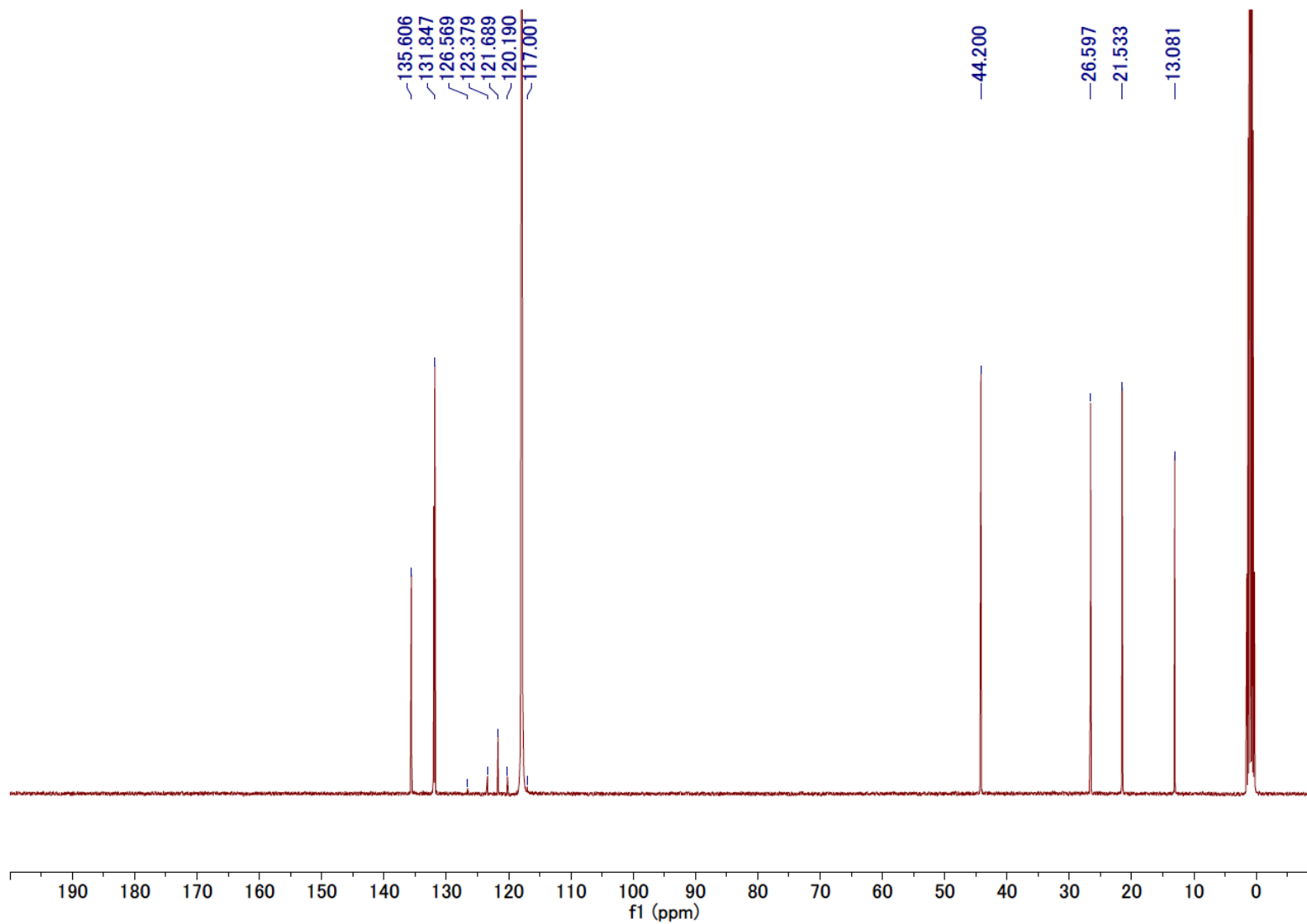
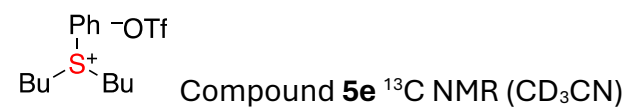




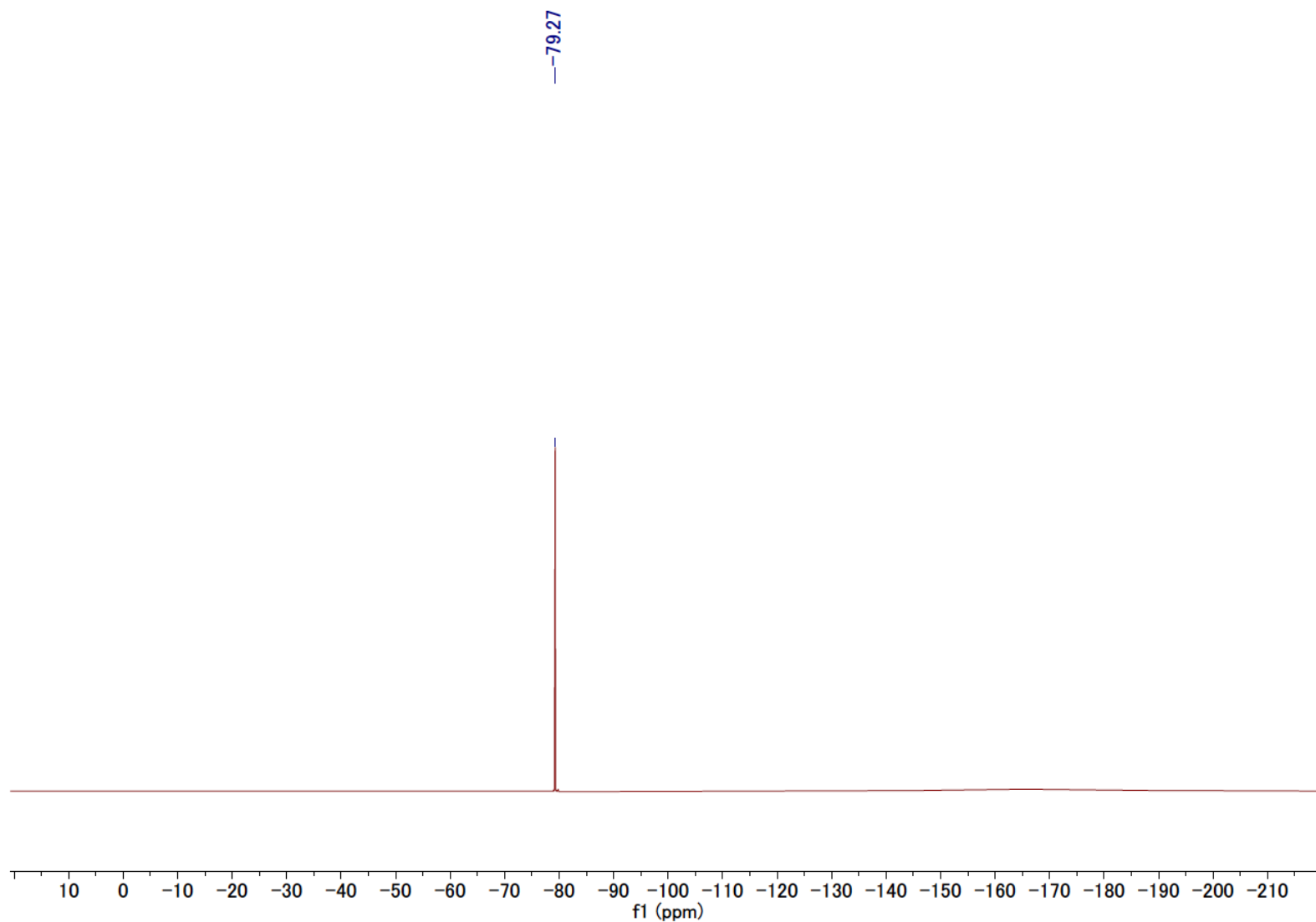
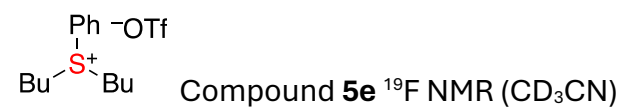
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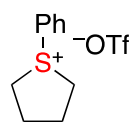
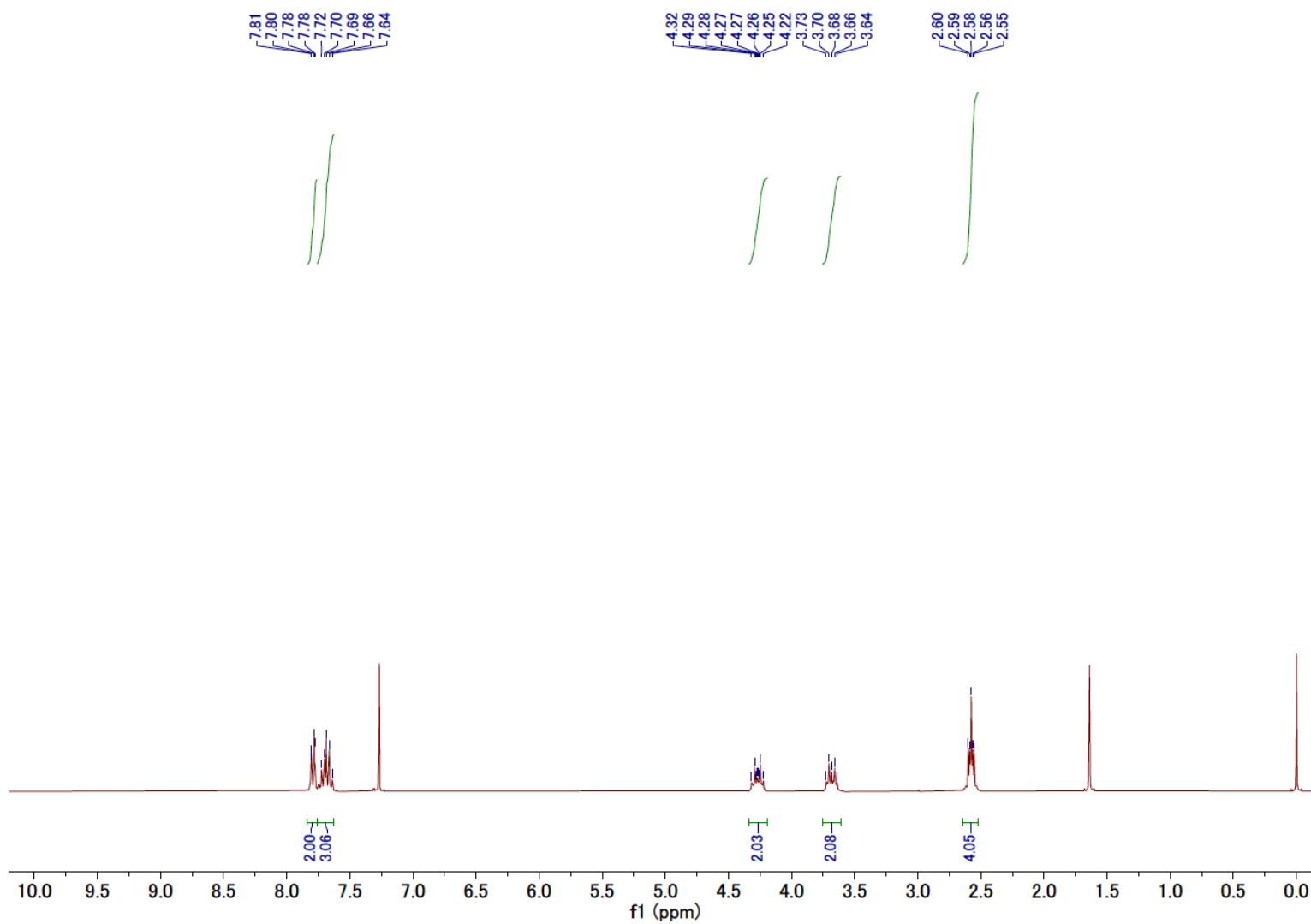


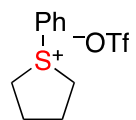
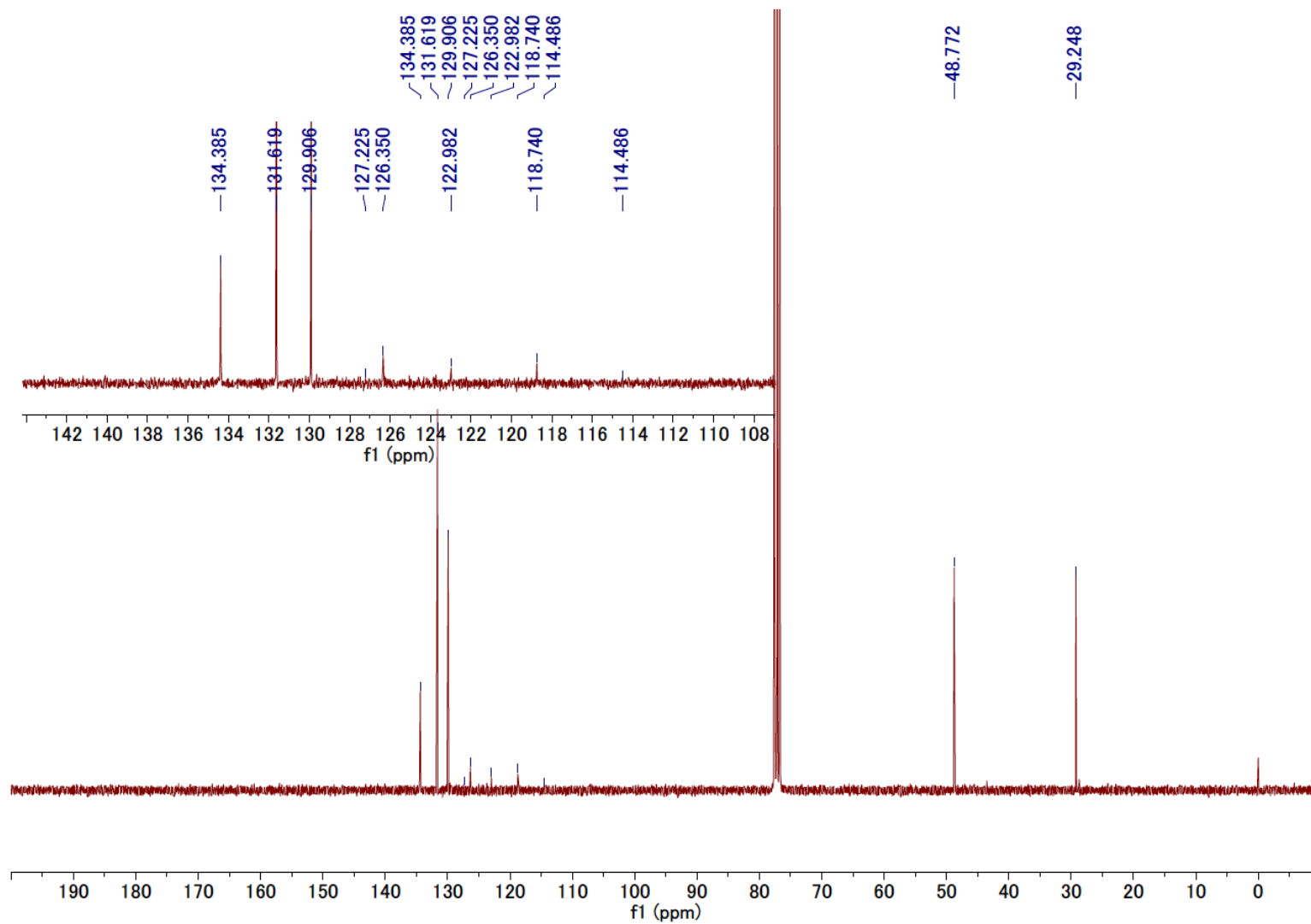


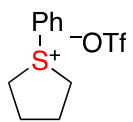




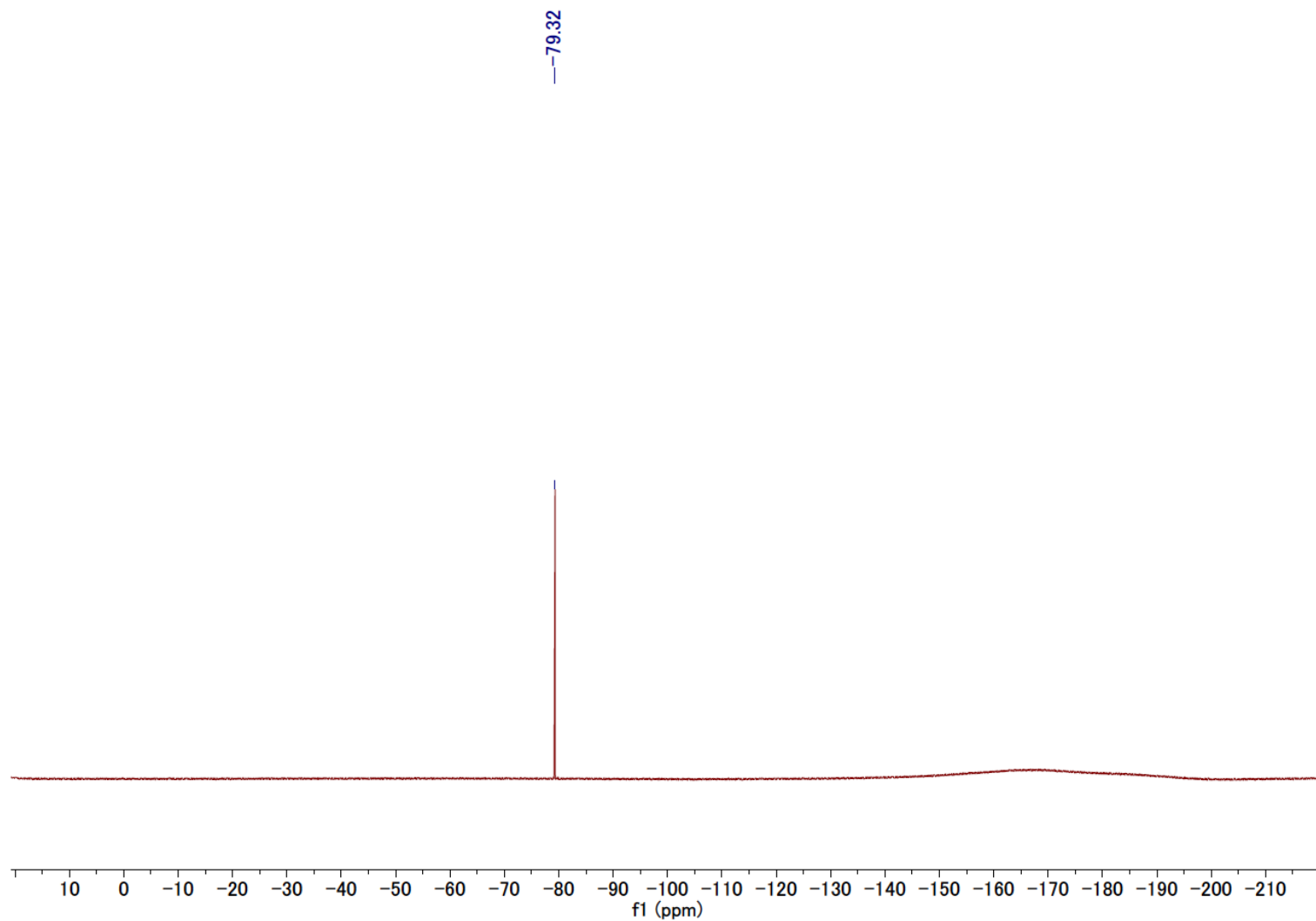


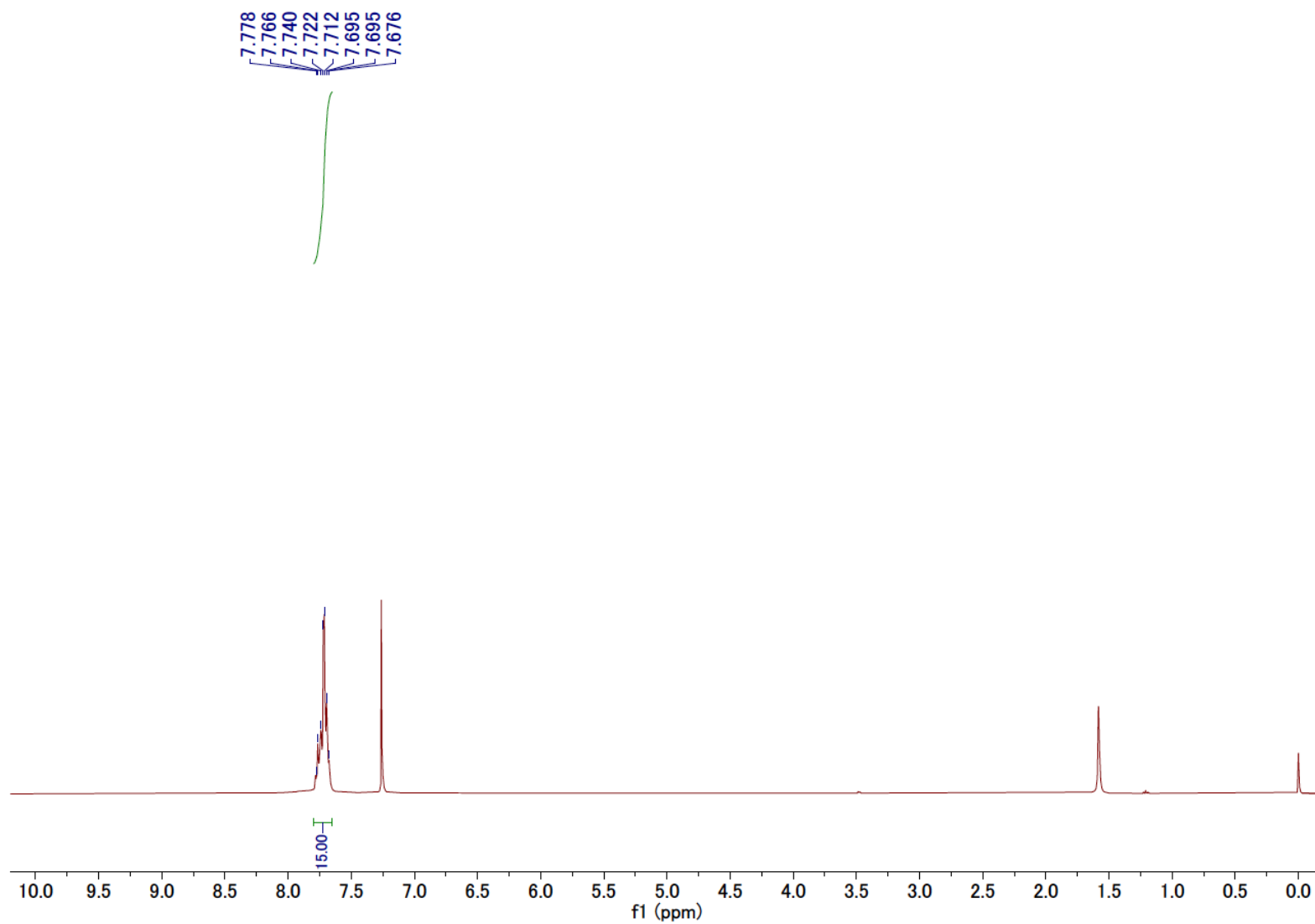
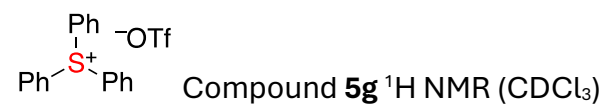
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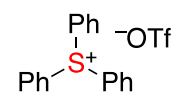
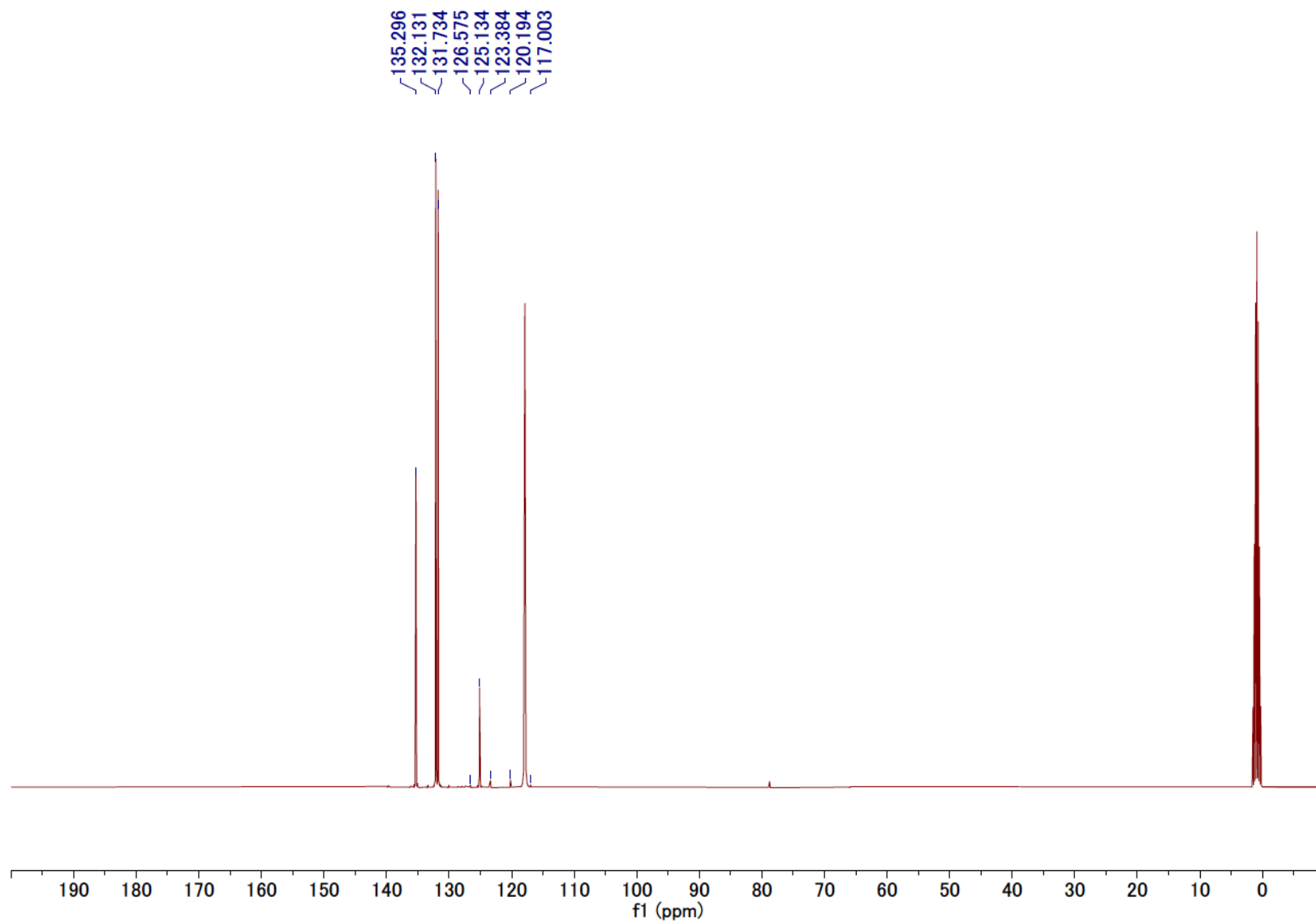
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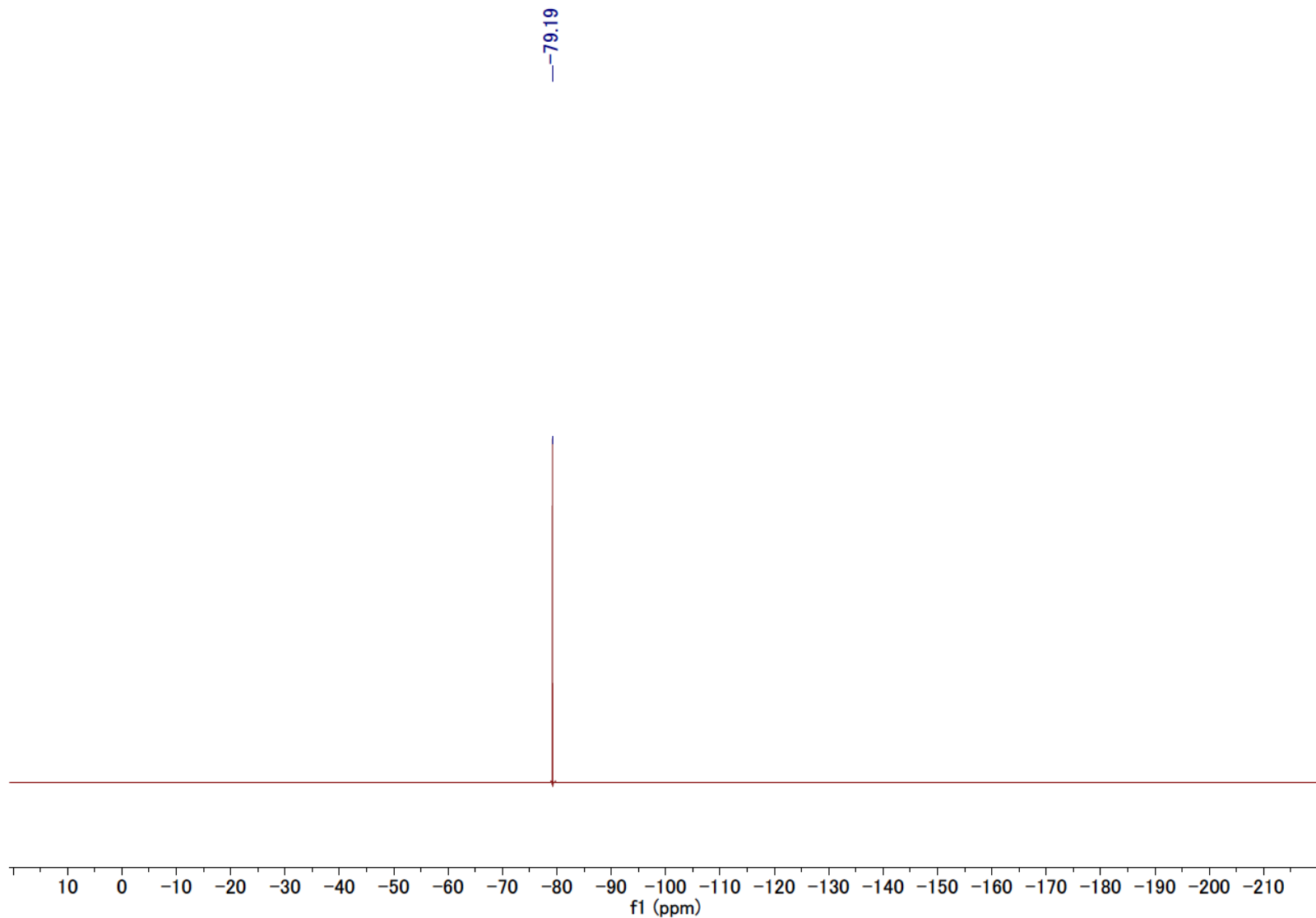
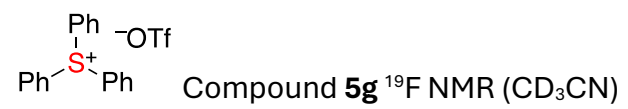


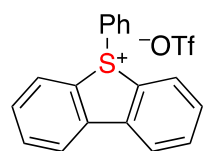
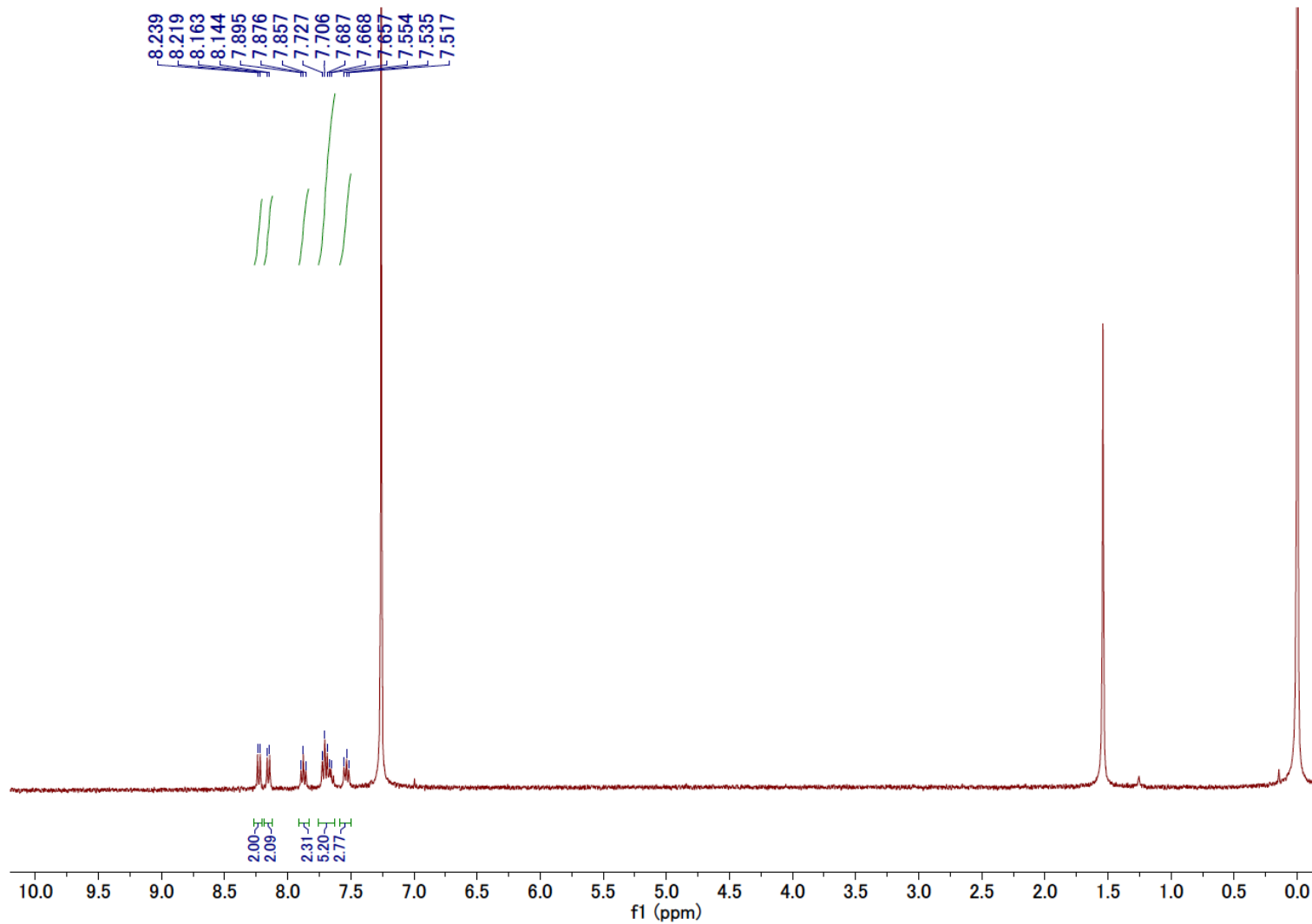
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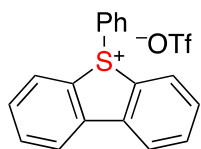
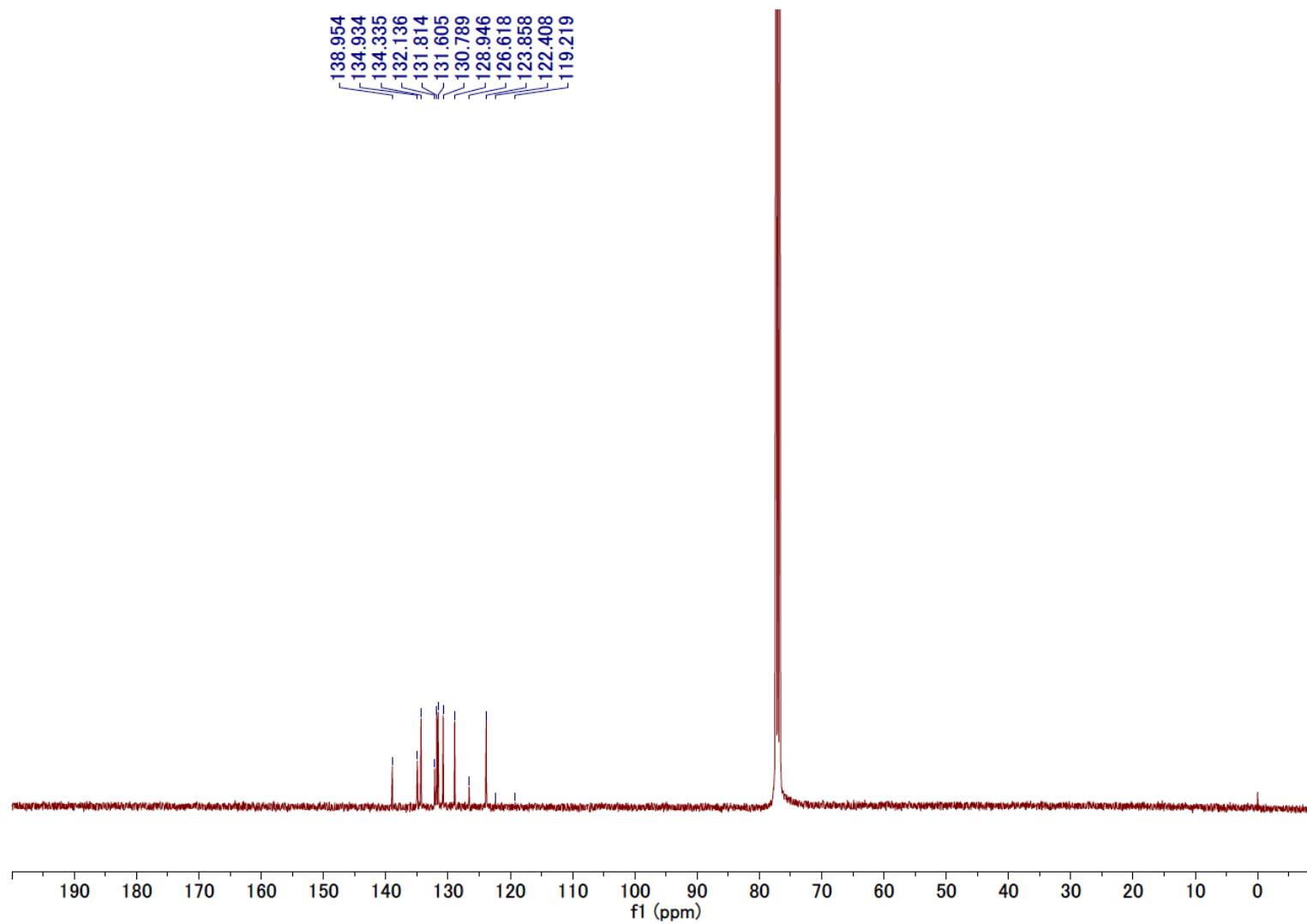


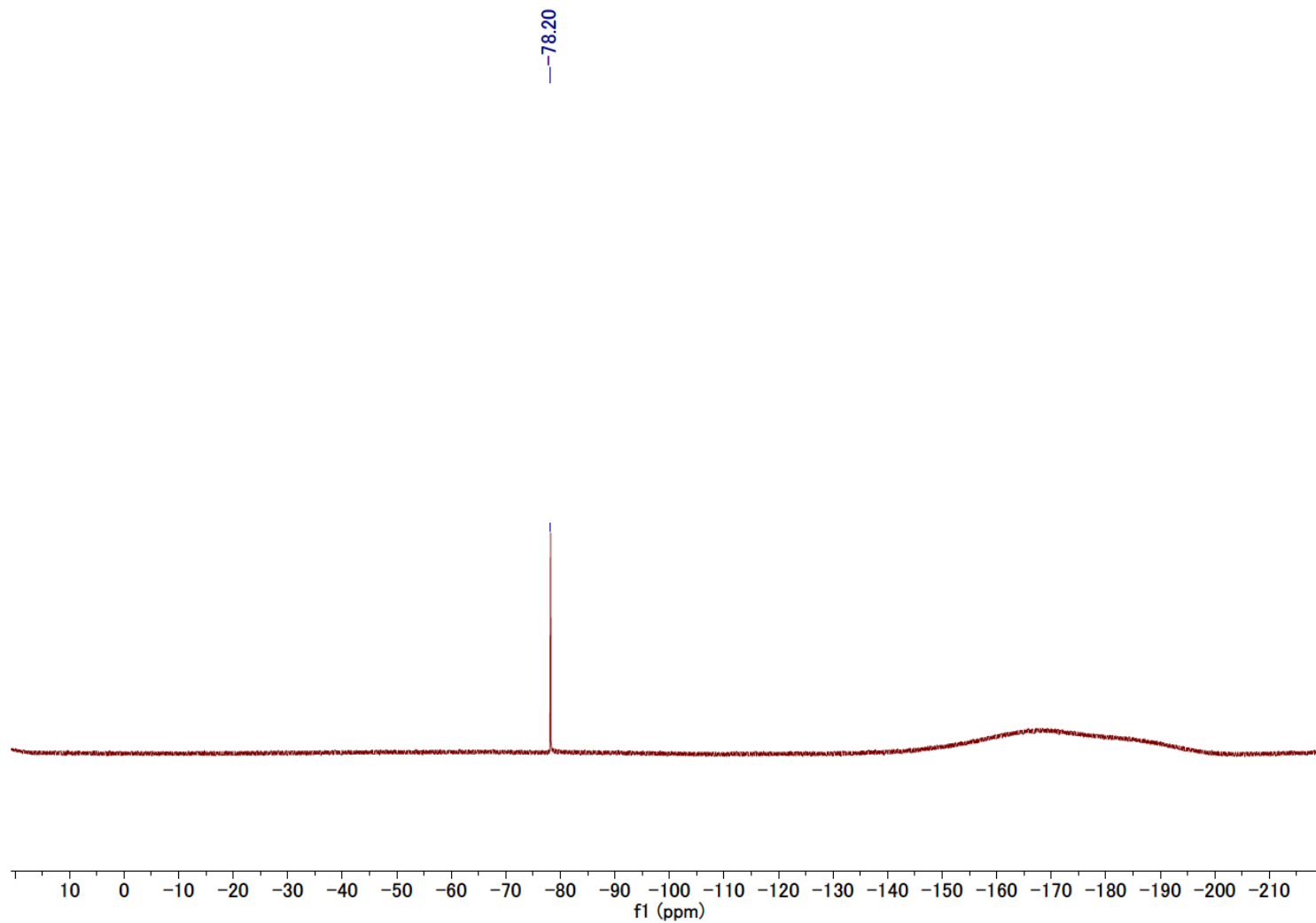
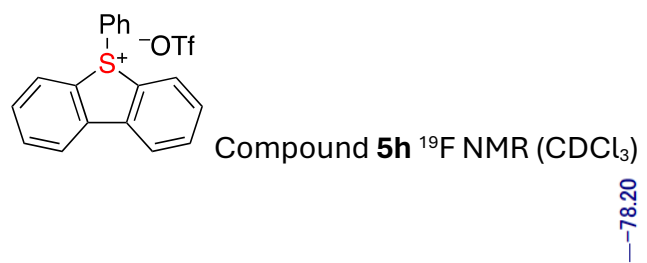
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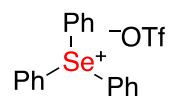


Compound **5h**  $^1\text{H}$  NMR ( $\text{CDCl}_3$ )



Compound **5h**  $^{13}\text{C}$  NMR ( $\text{CDCl}_3$ )





Compound 7 <sup>1</sup>H NMR (CDCl<sub>3</sub>)

