

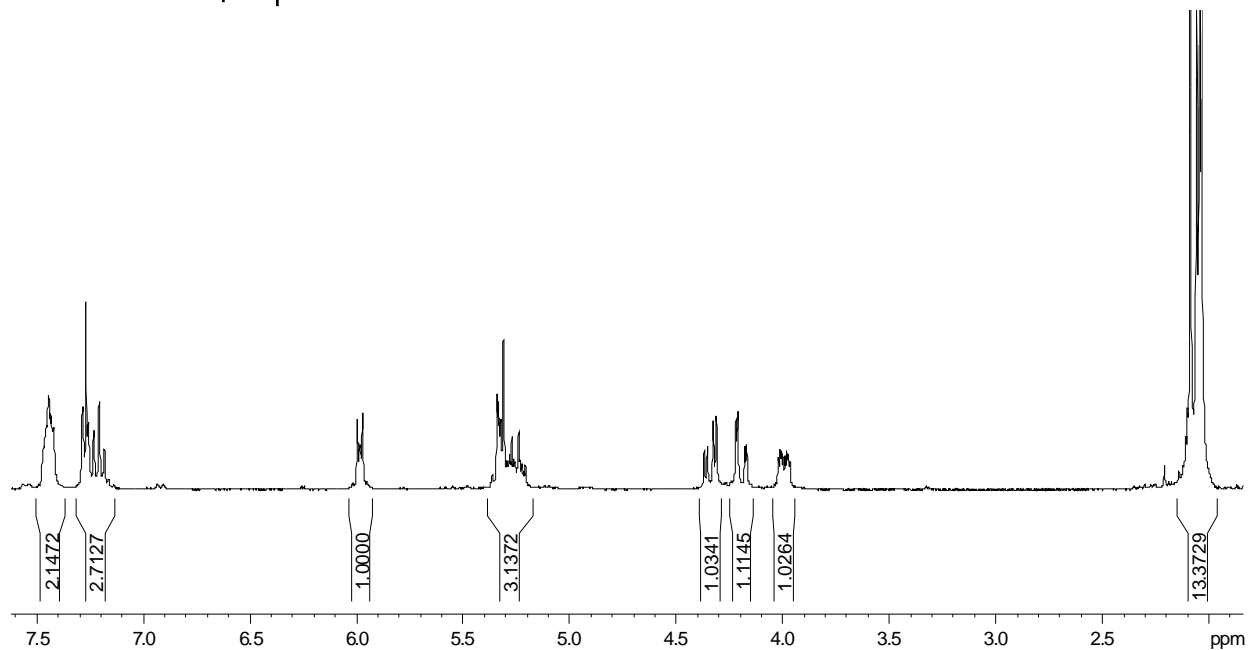
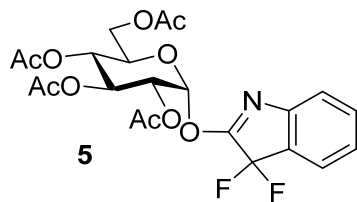
**Supporting information**

**OFox imidates as versatile glycosyl donors for chemical glycosylation**

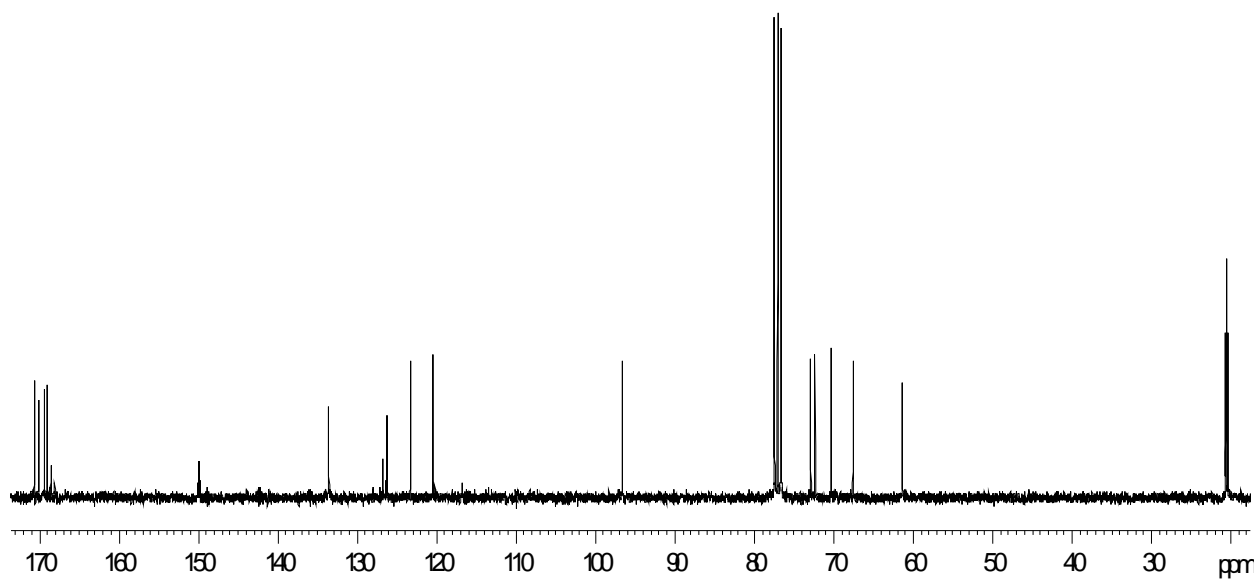
Swati S. Nigudkar, Tinghua Wang, Salvatore G. Pistorio, Jagodige P. Yasomanee, Keith J. Stine,  
and Alexei V. Demchenko\*

Department of Chemistry and Biochemistry, University of Missouri – St. Louis, One University  
Boulevard, St. Louis, Missouri 63121, USA

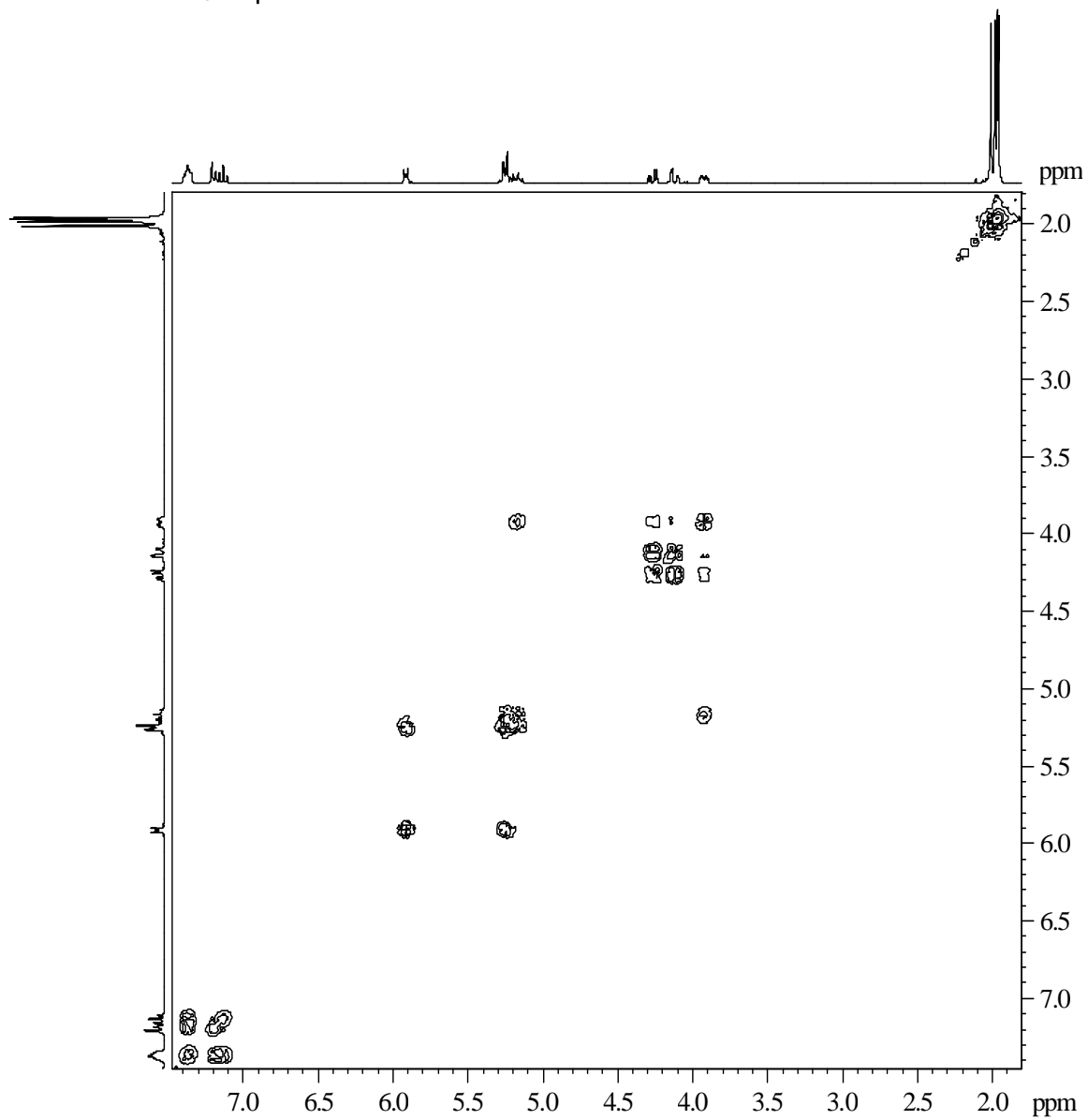
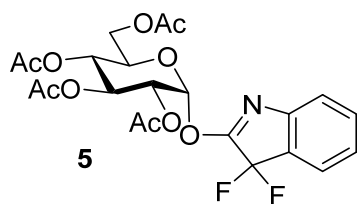
**NMR spectra**



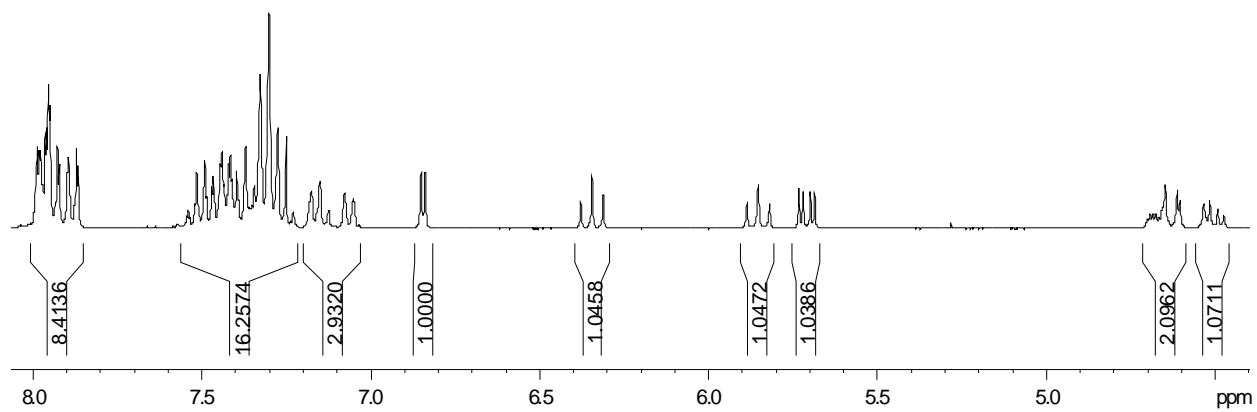
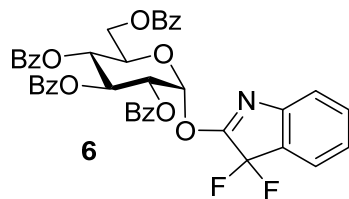
$(^1\text{H NMR 300 MHz, CDCl}_3)$



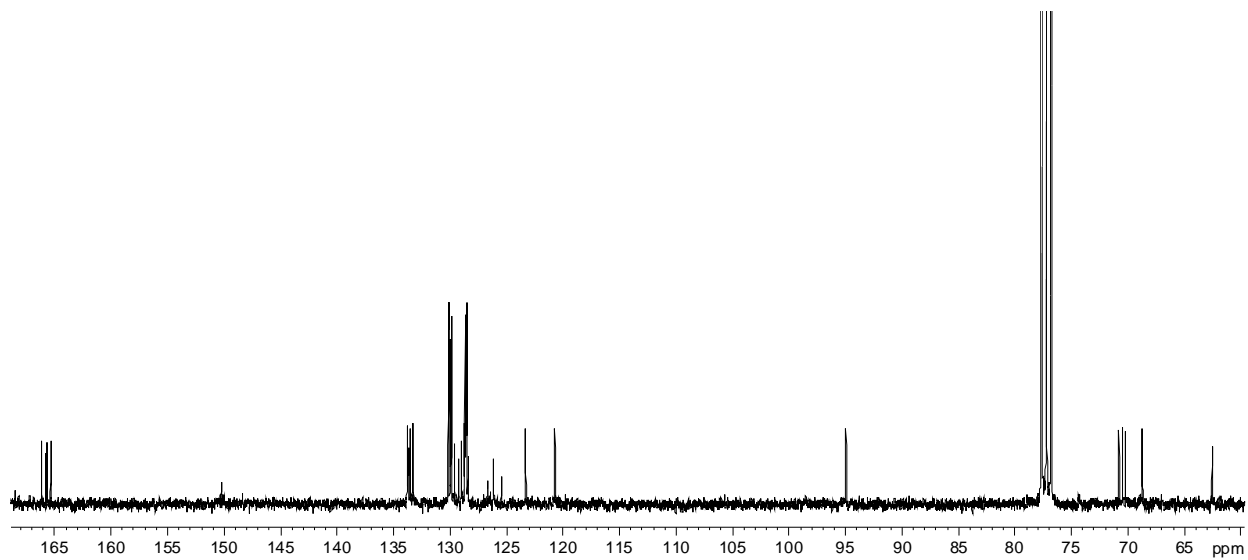
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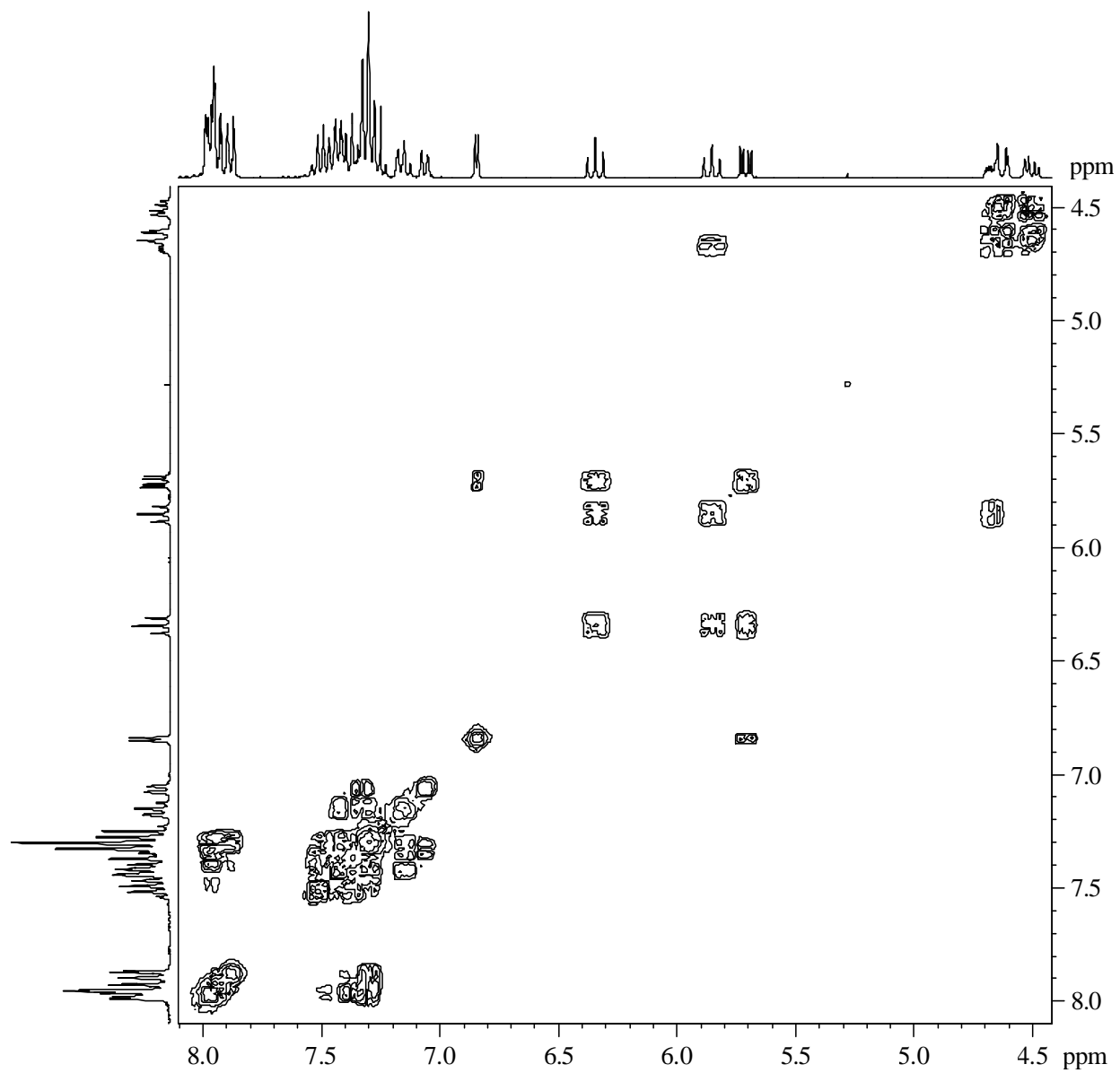
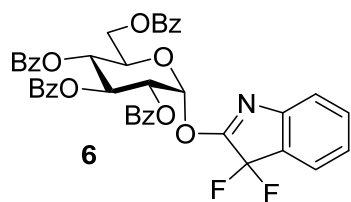
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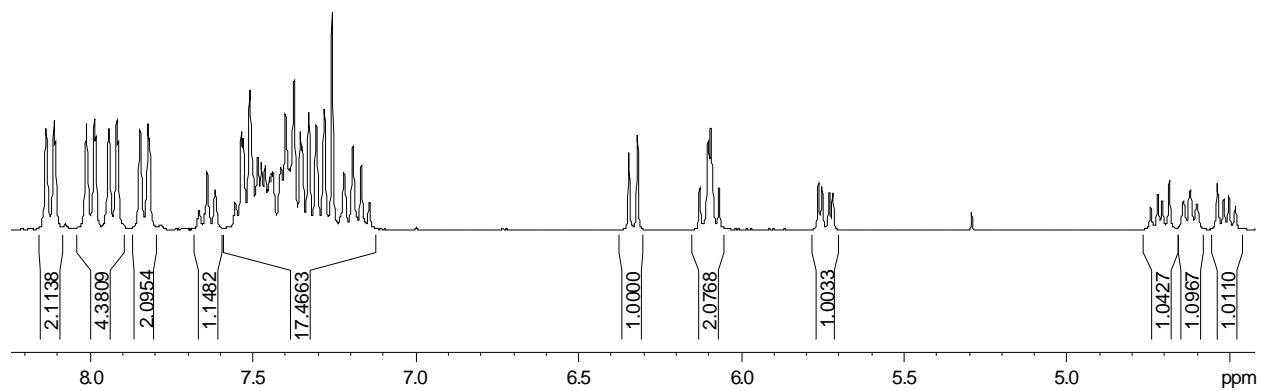
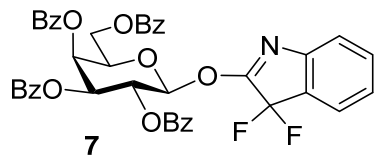
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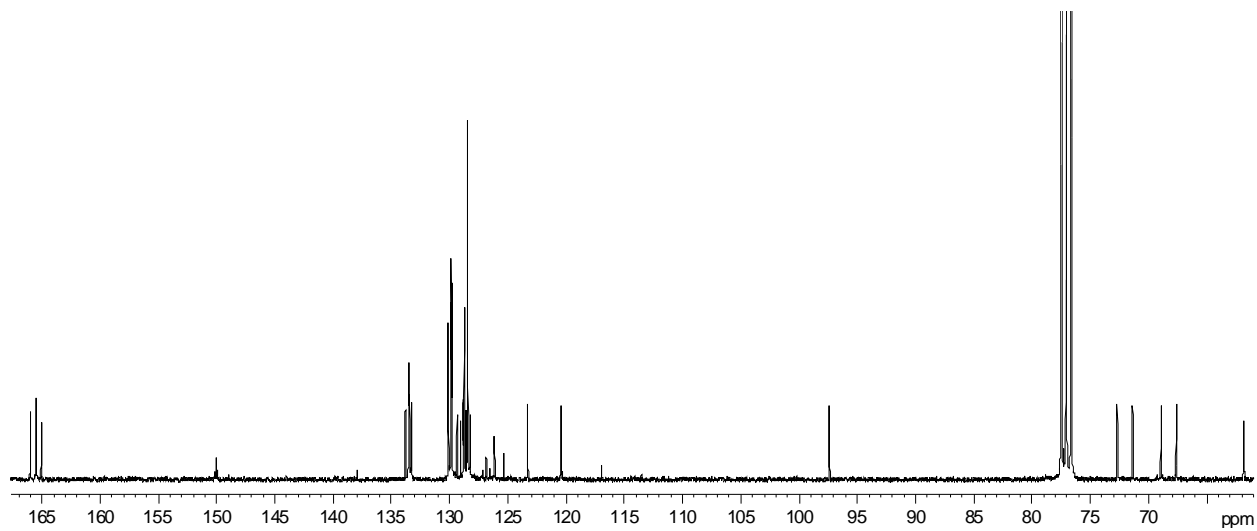
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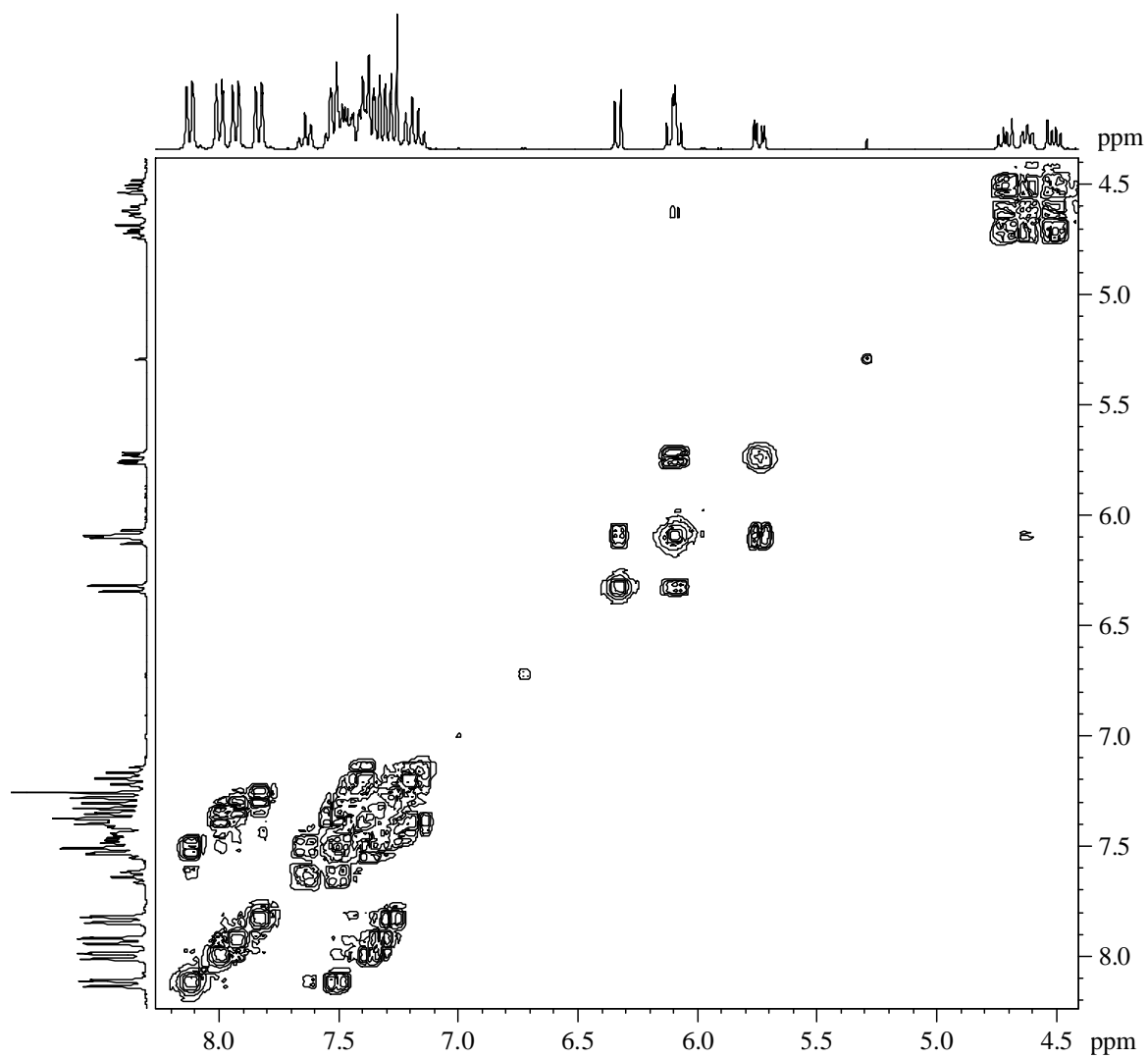
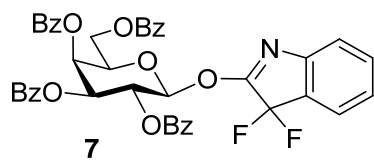
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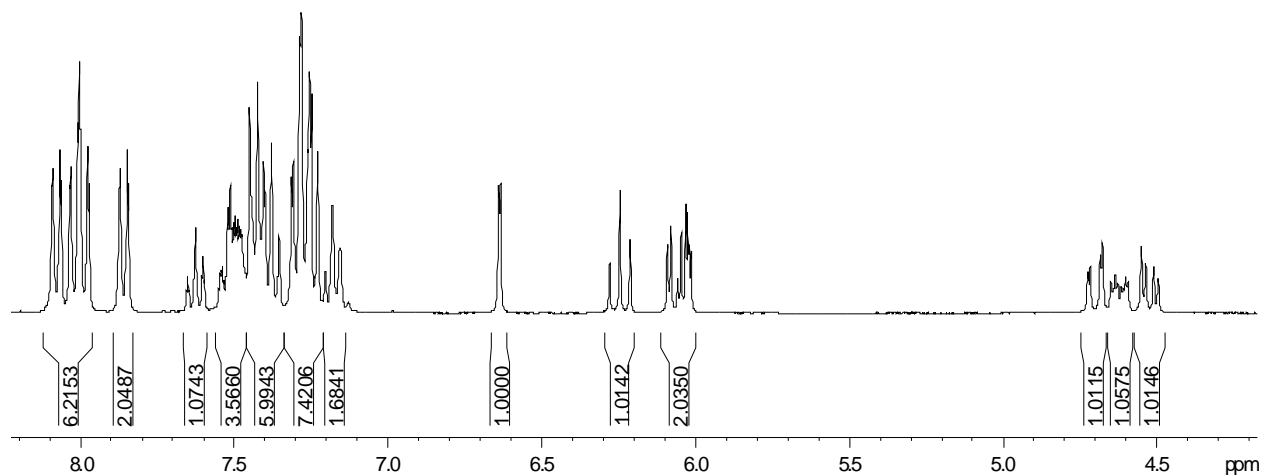
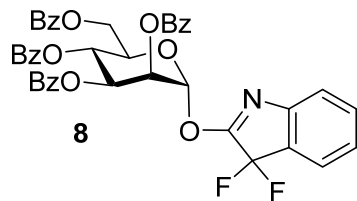
**(<sup>1</sup>H NMR 300 MHz, CDCl<sub>3</sub>)**



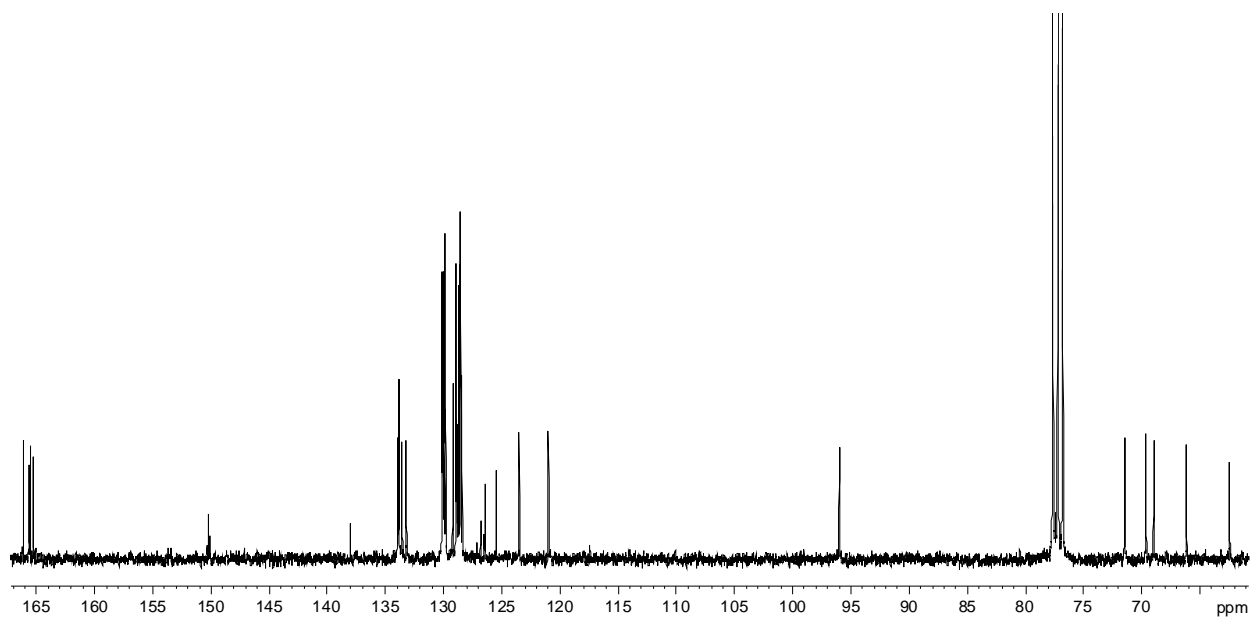
**(<sup>13</sup>C NMR 75 MHz, CDCl<sub>3</sub>)**



(2D NMR 300 MHz,  $\text{CDCl}_3$ )

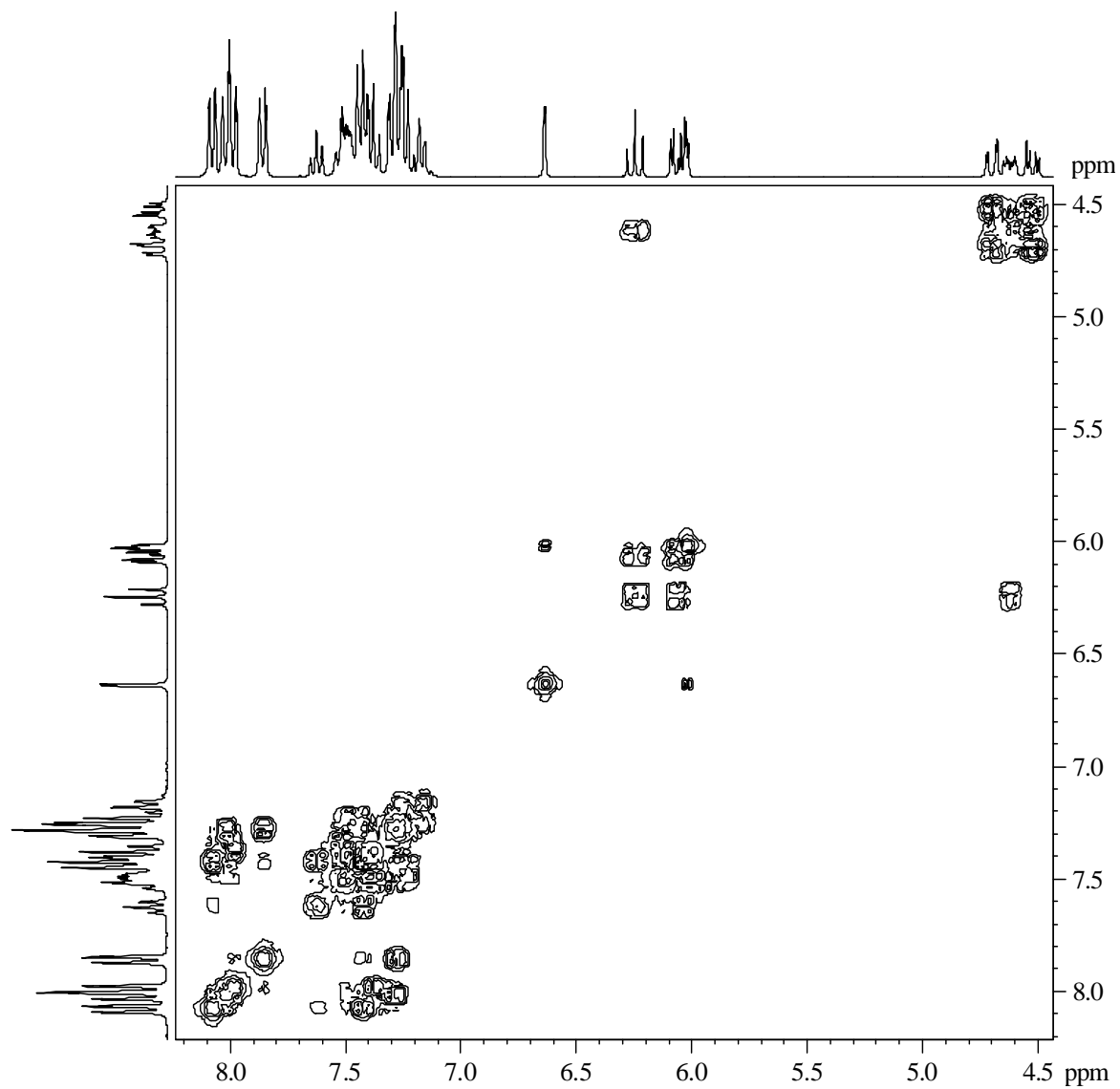
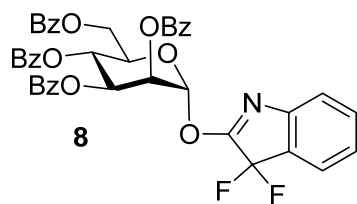


(<sup>1</sup>H NMR 300 MHz, CDCl<sub>3</sub>)

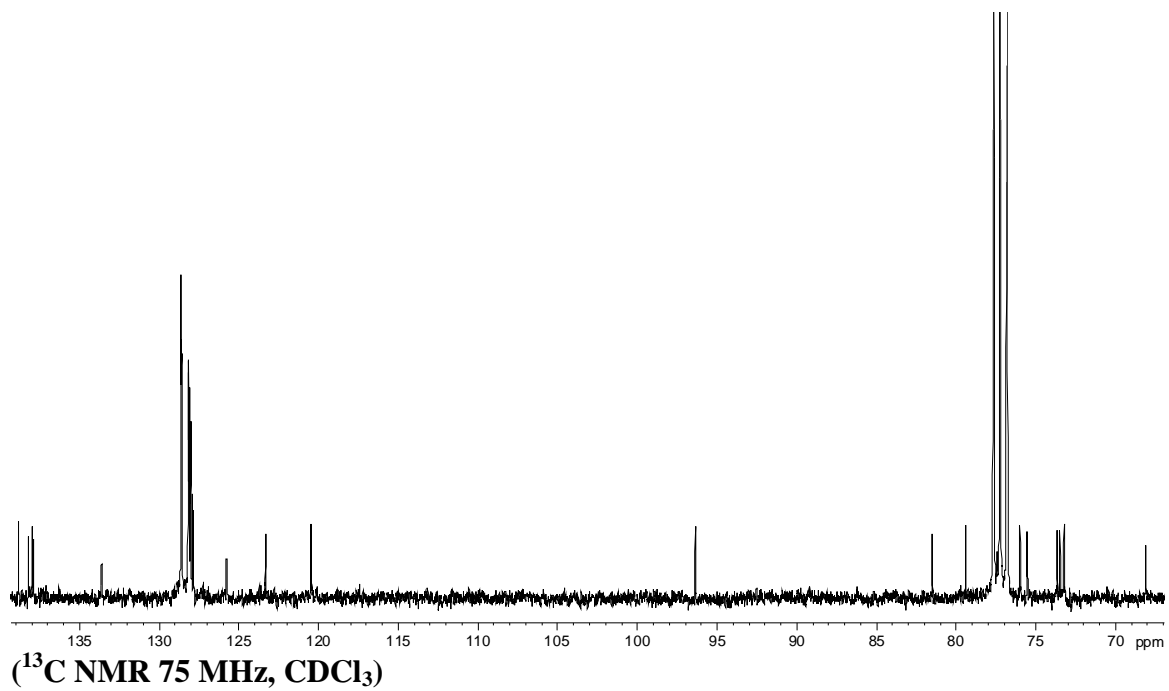
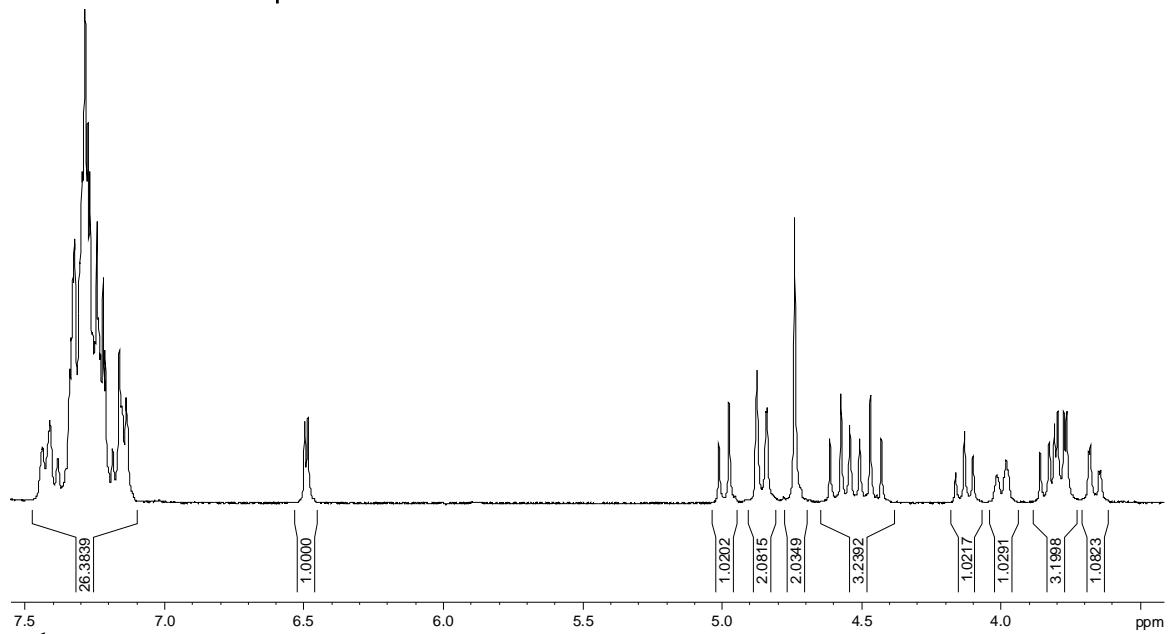
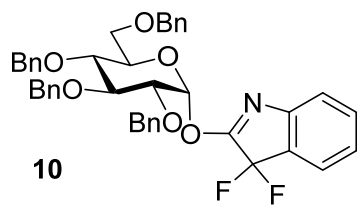


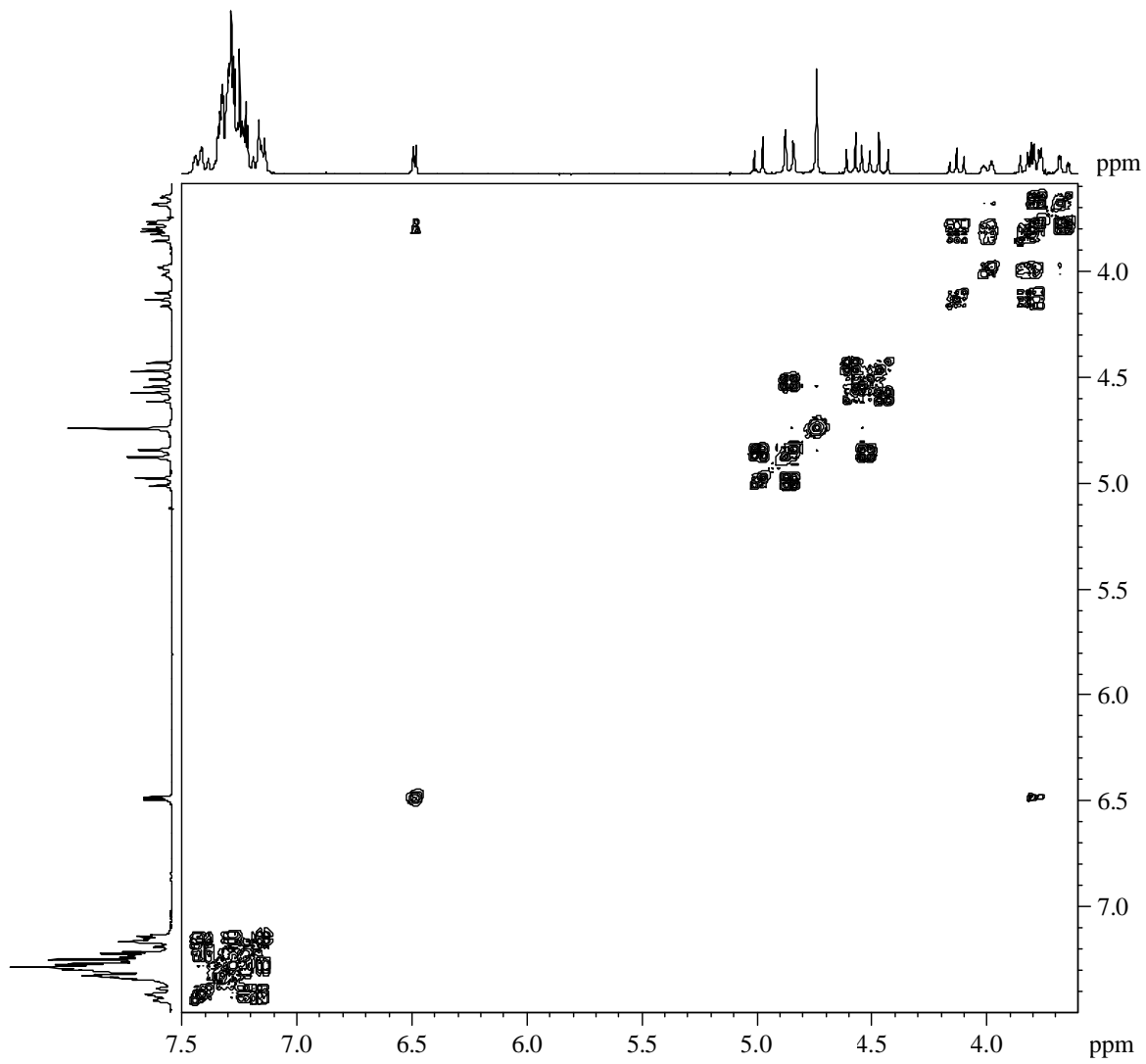
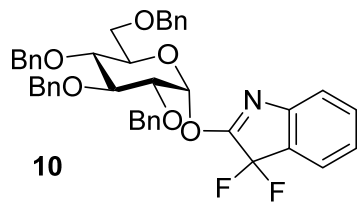
(<sup>13</sup>C NMR 75 MHz, CDCl<sub>3</sub>)



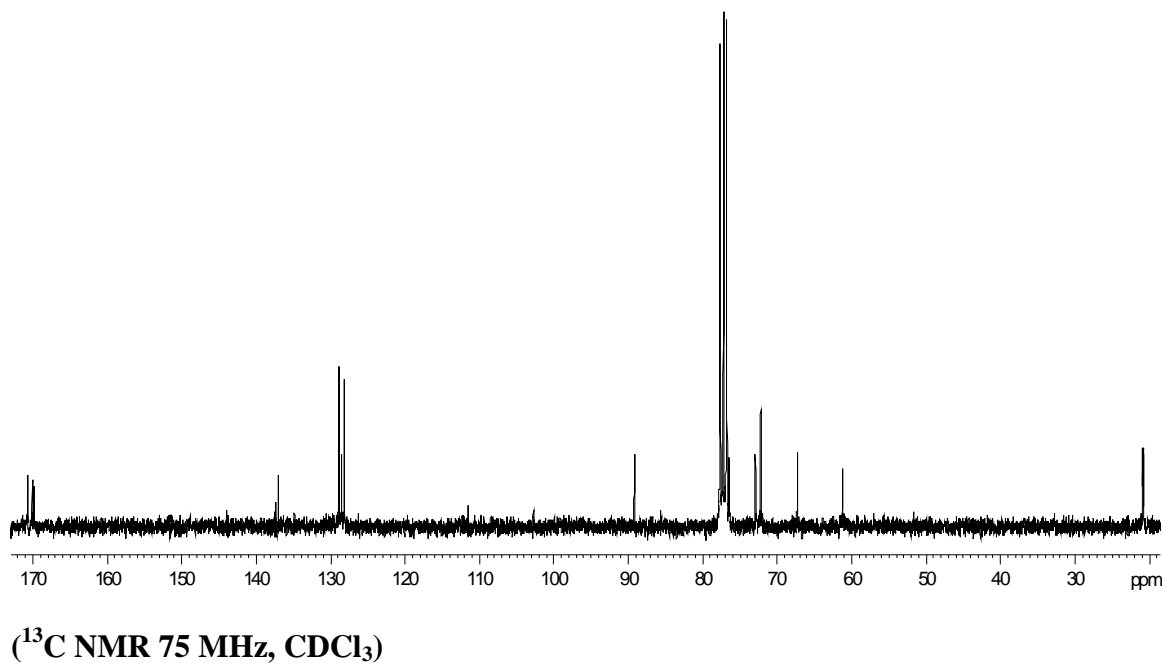
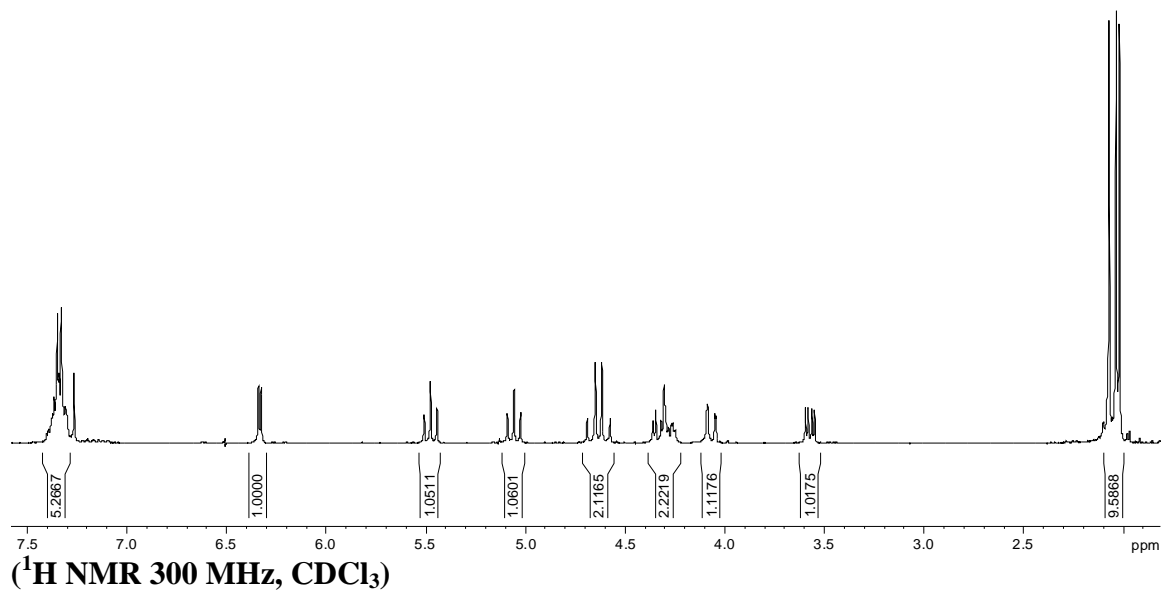
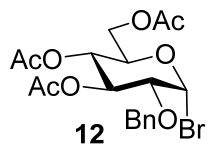


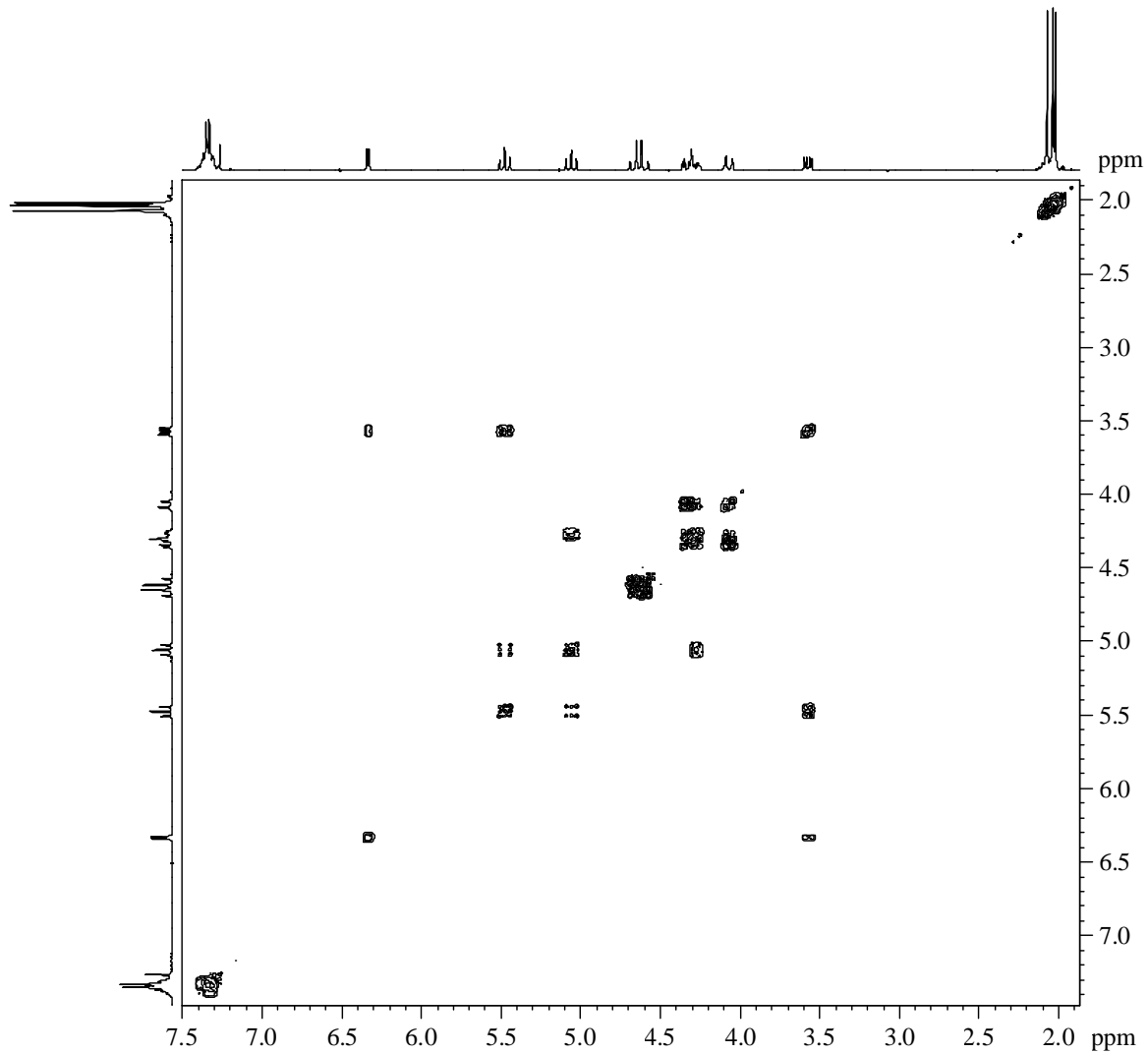
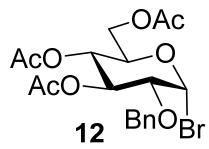
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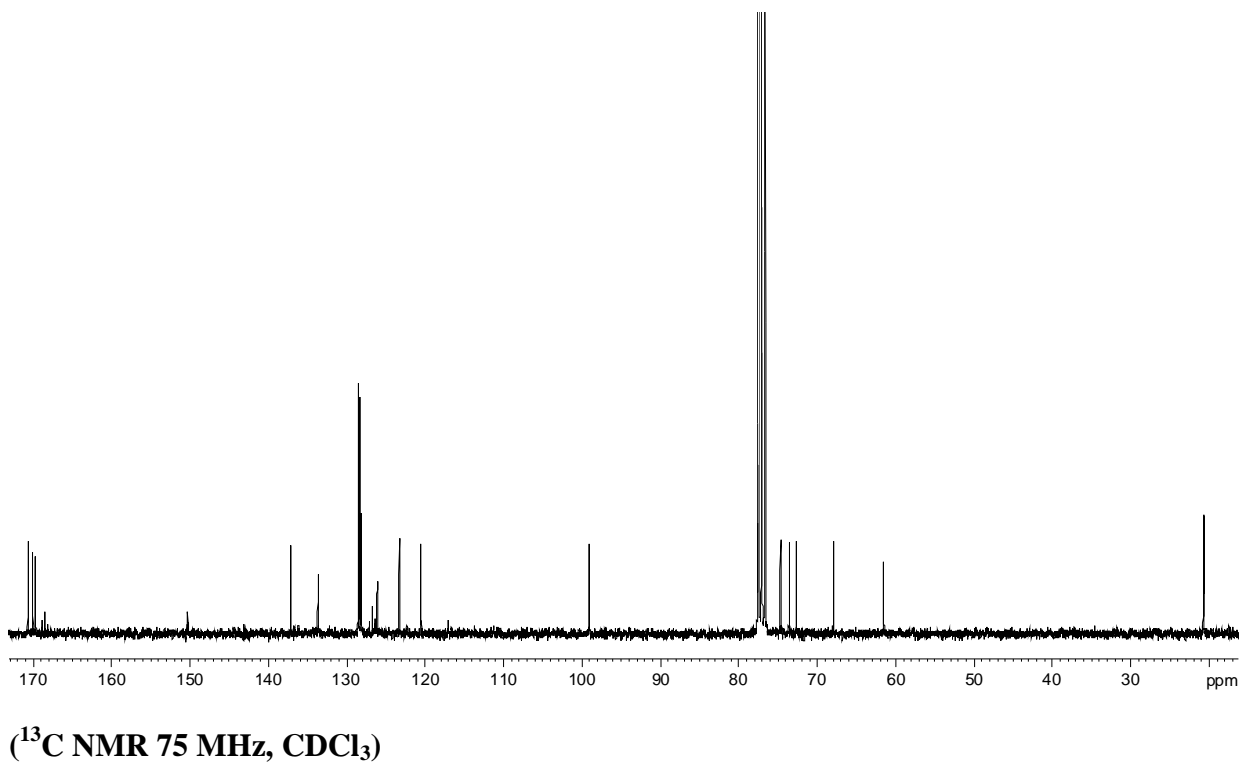
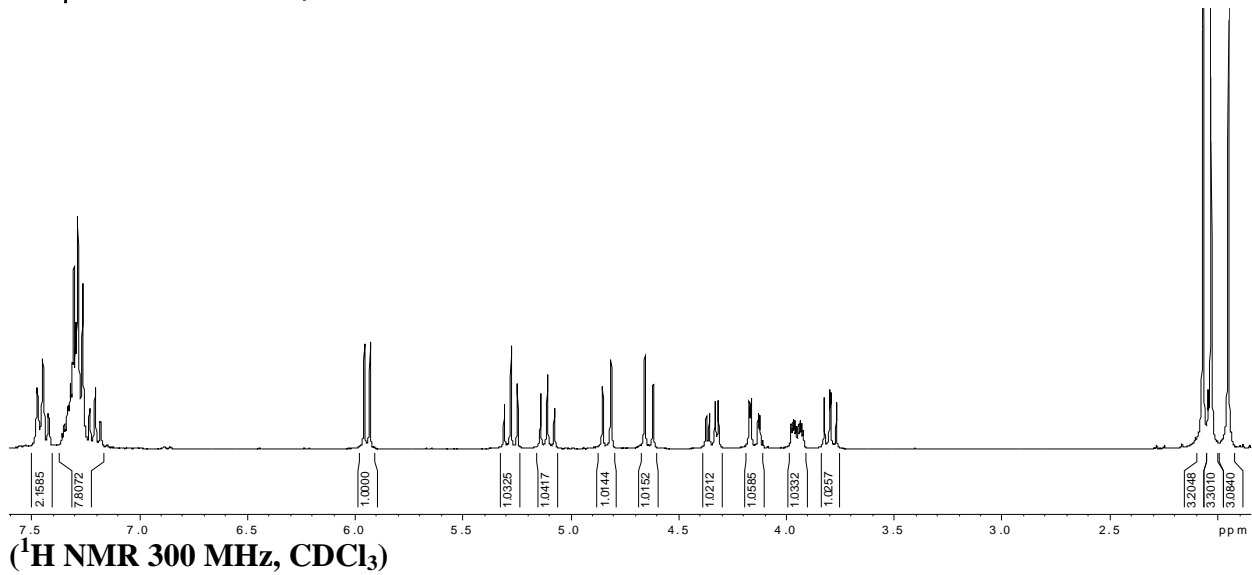
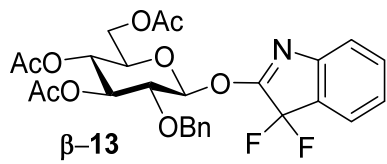


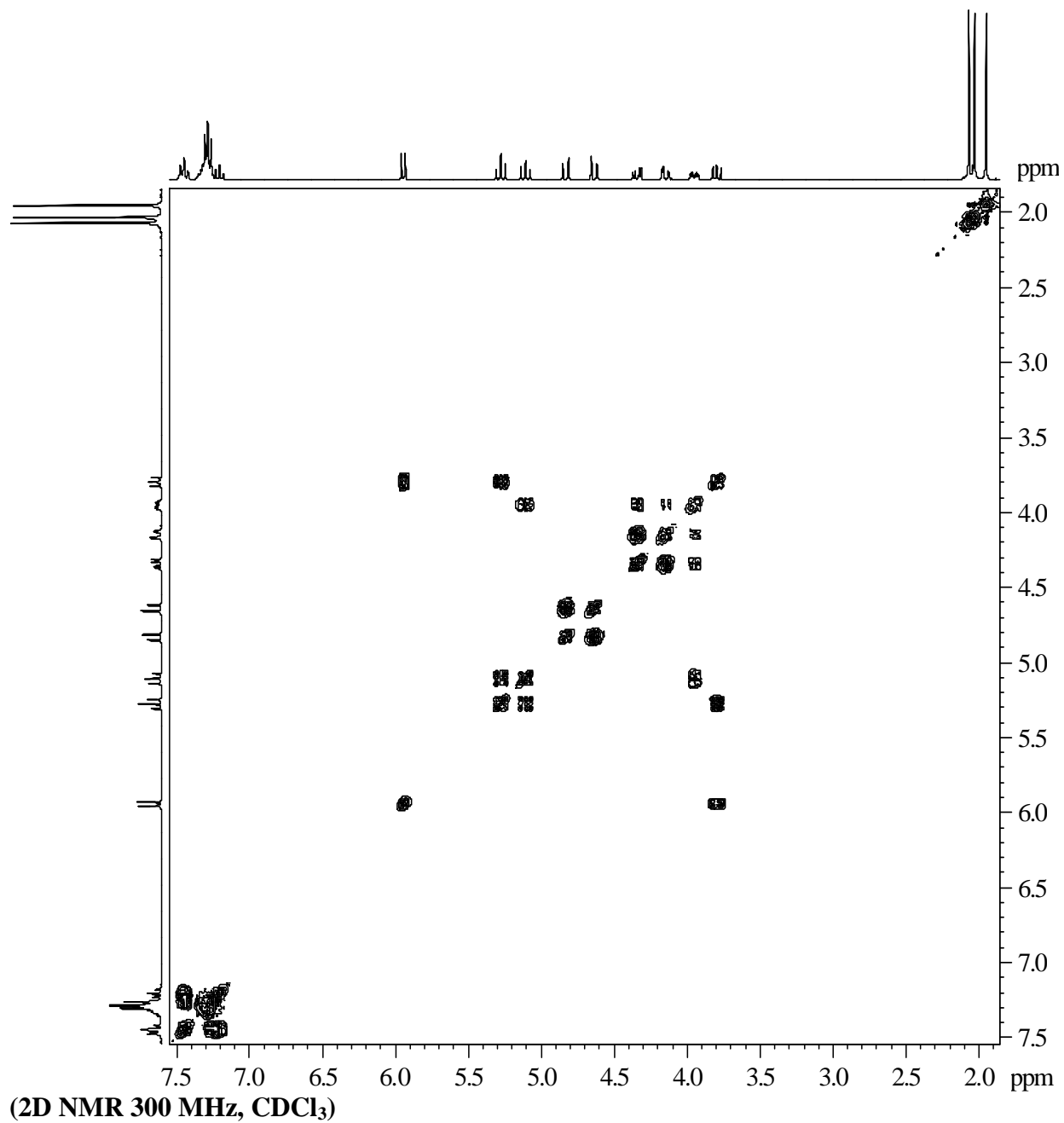
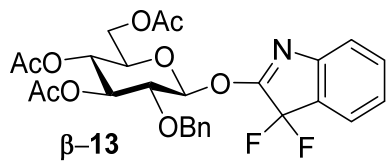
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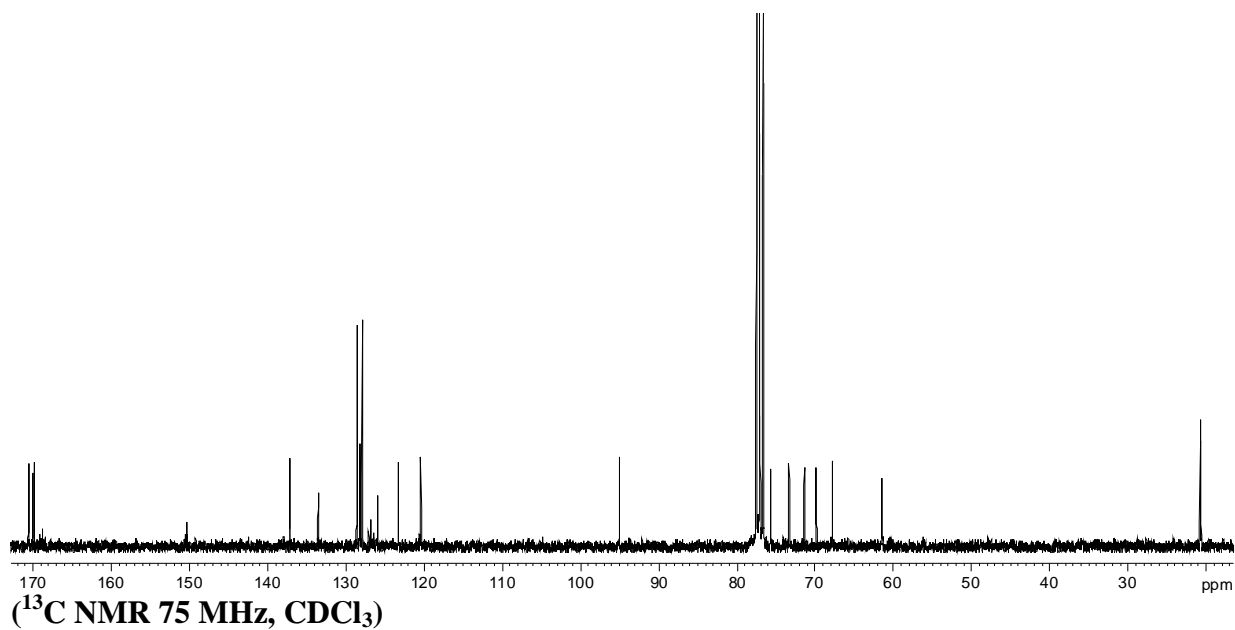
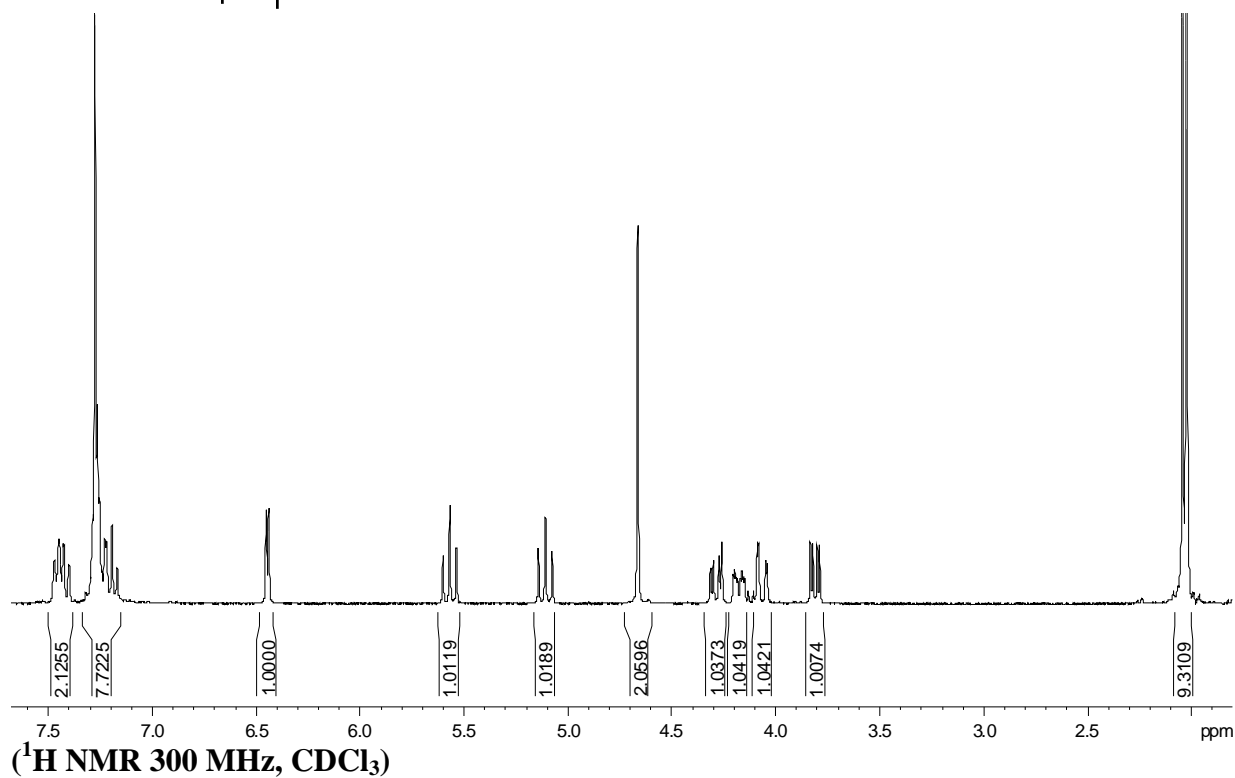
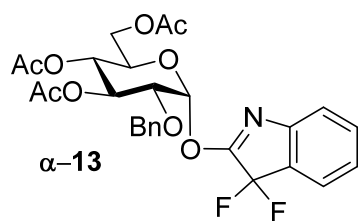




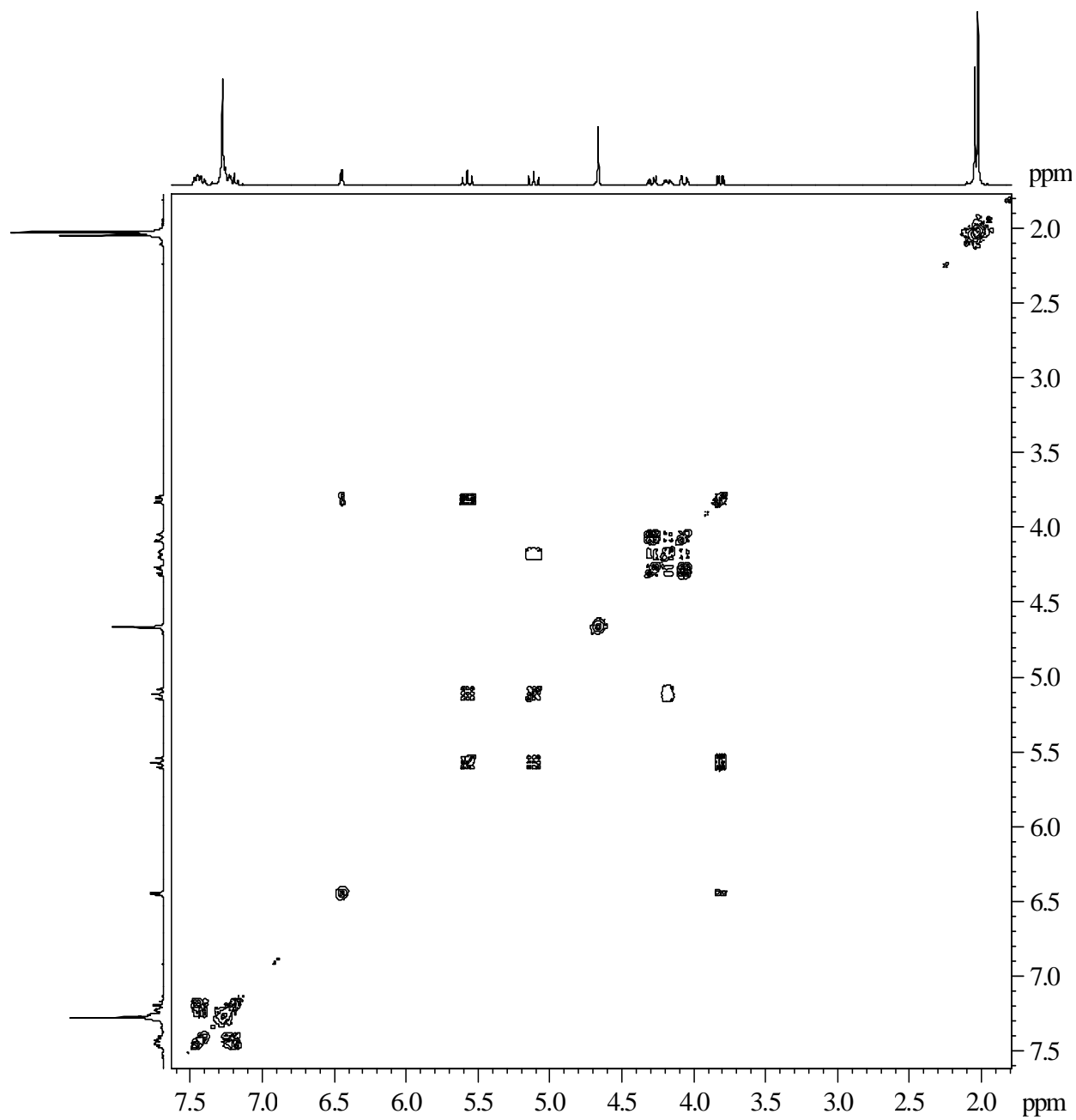
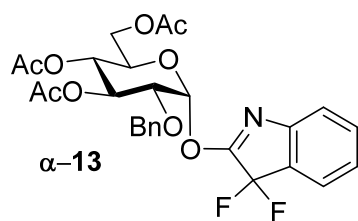
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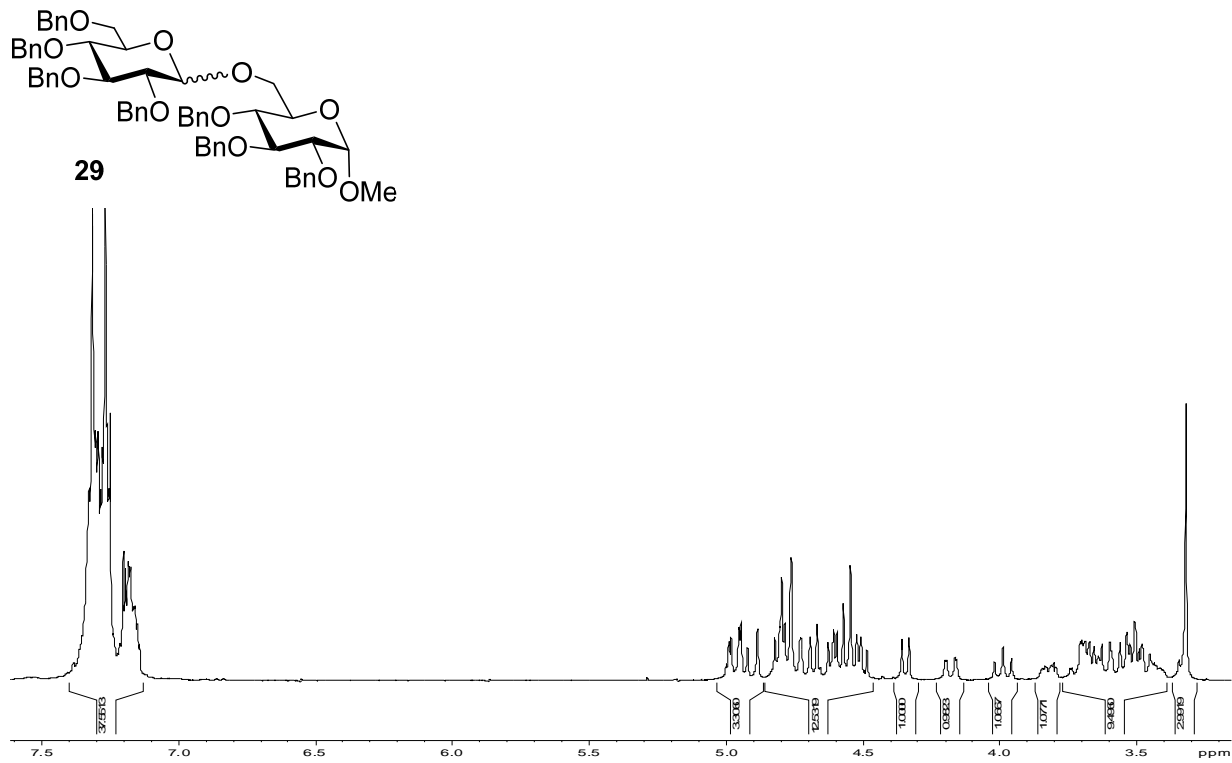




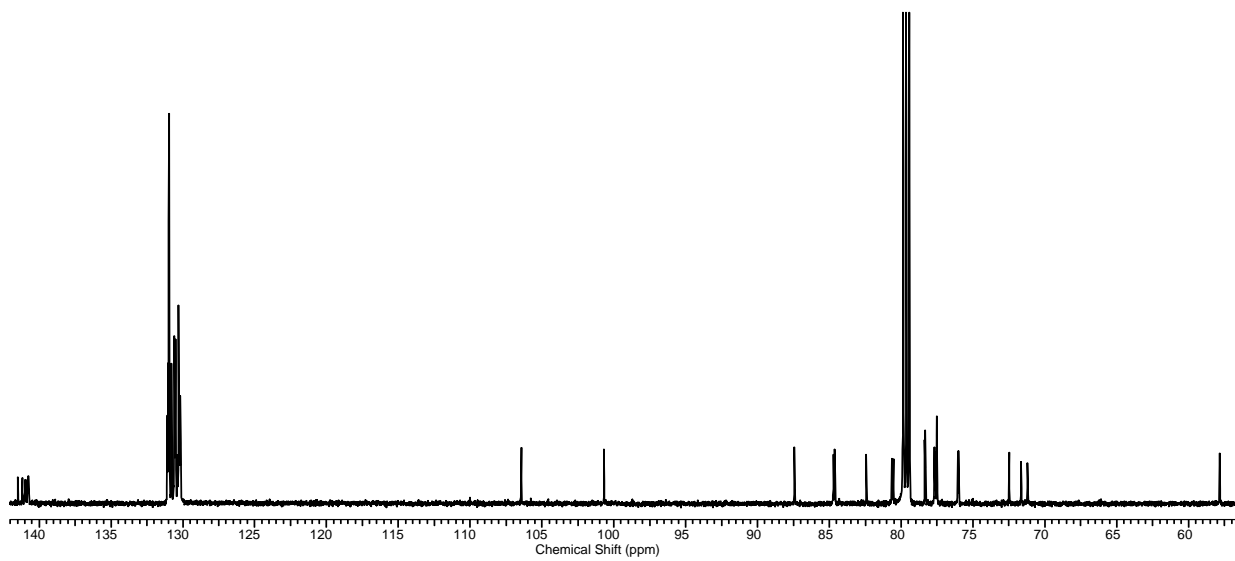




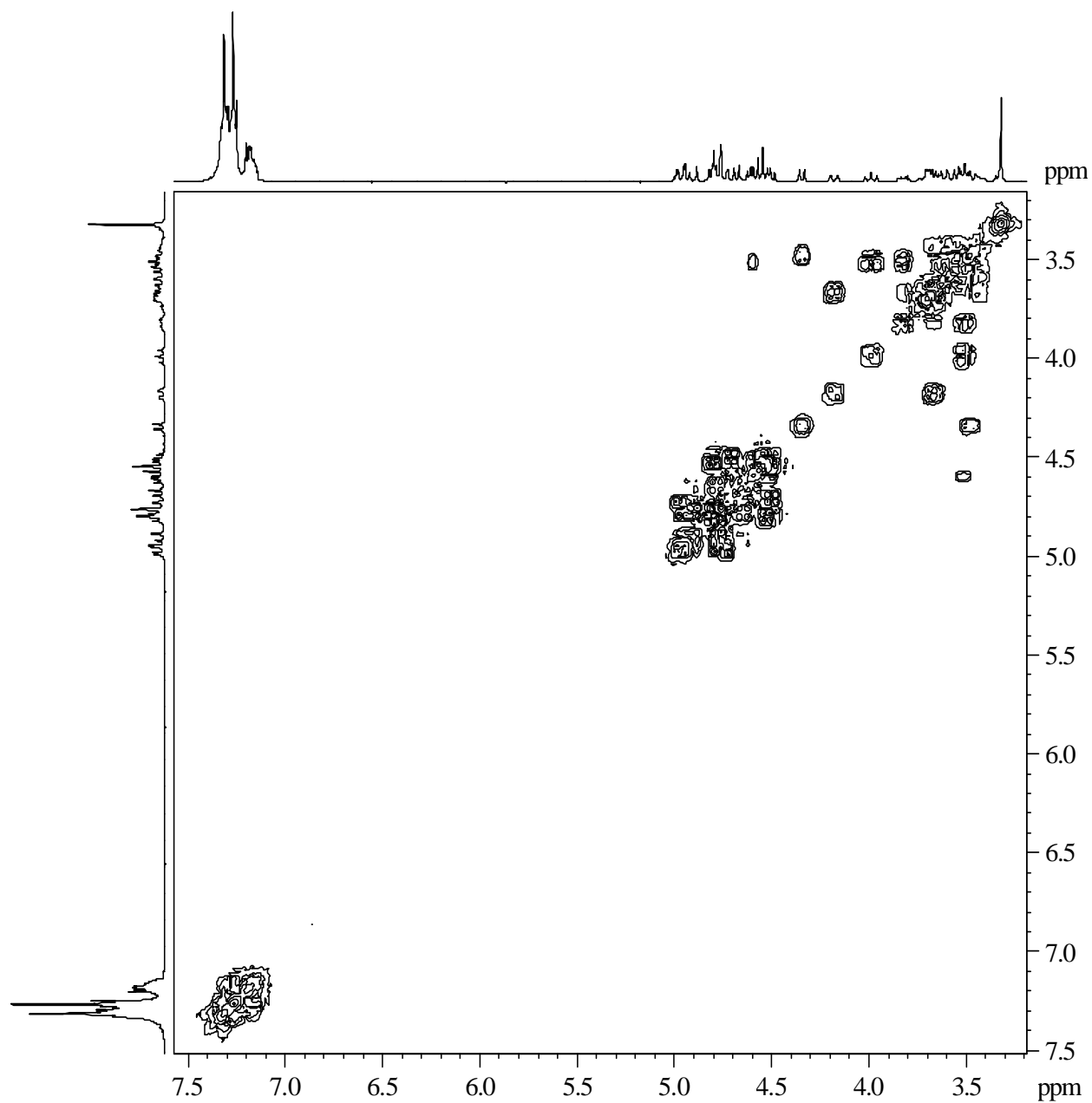
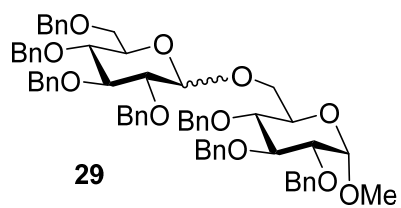
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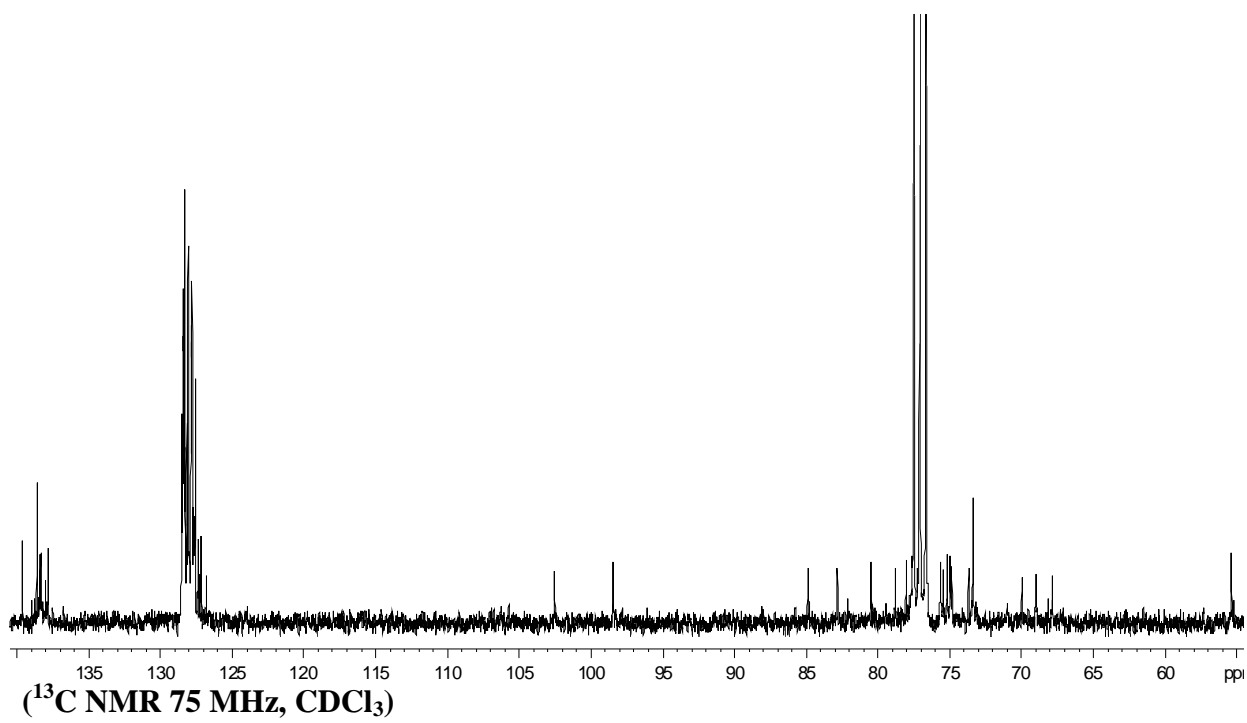
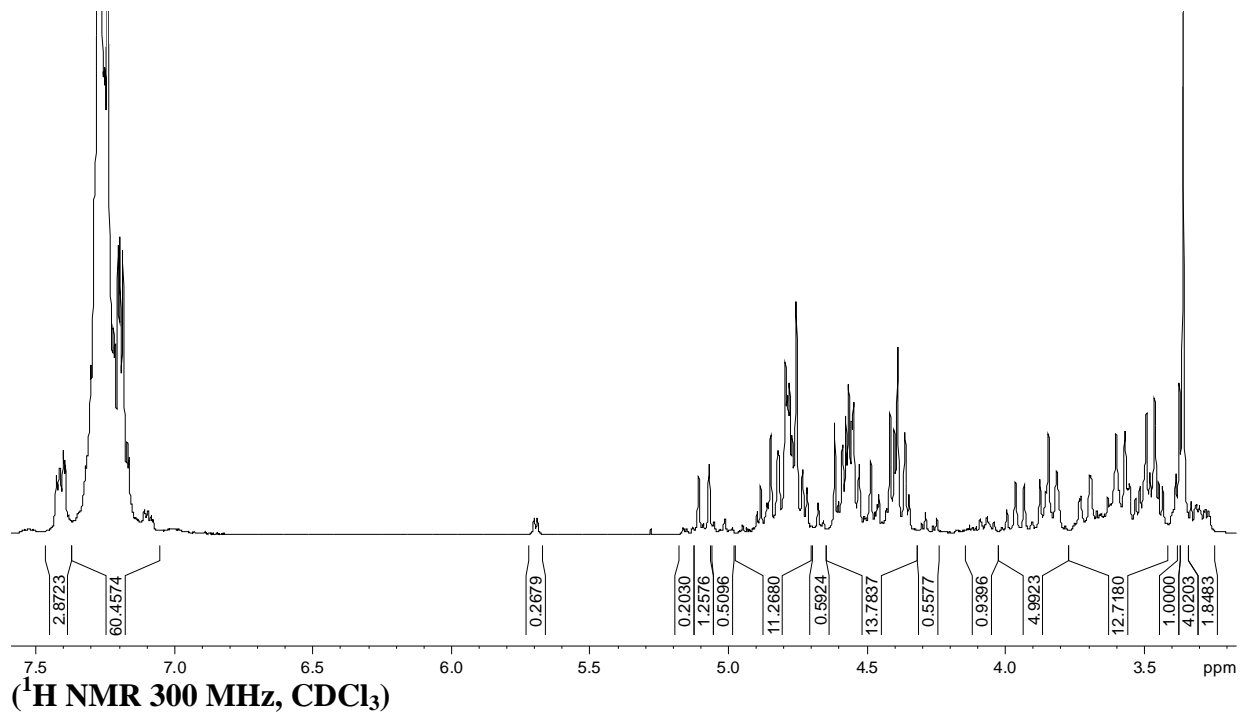
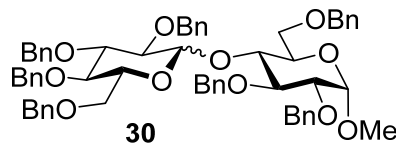
( $^1\text{H NMR}$  300 MHz,  $\text{CDCl}_3$ )

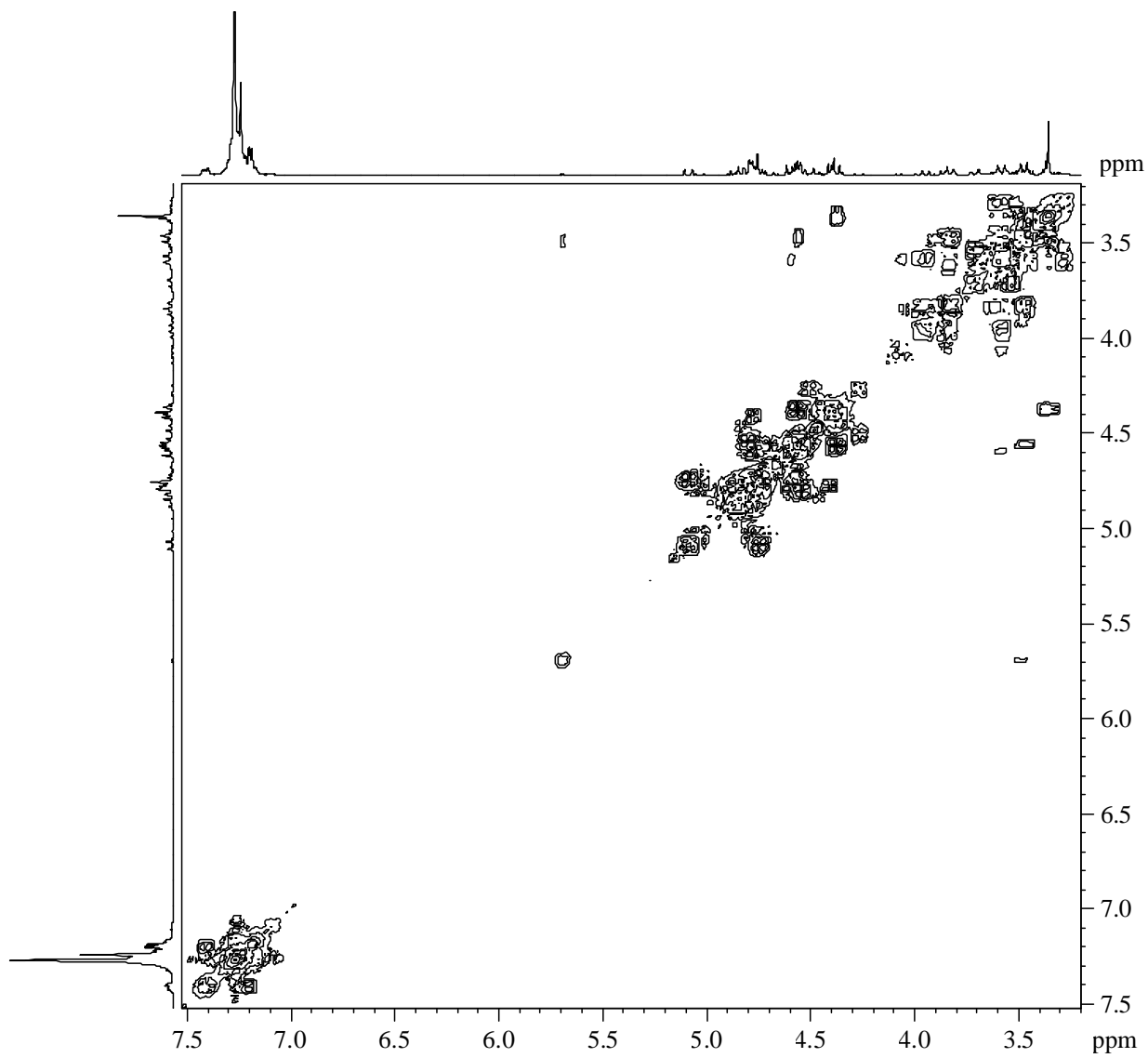
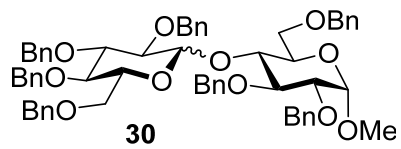


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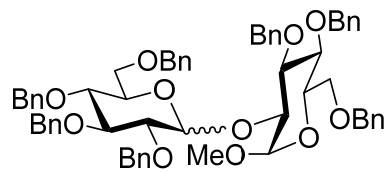


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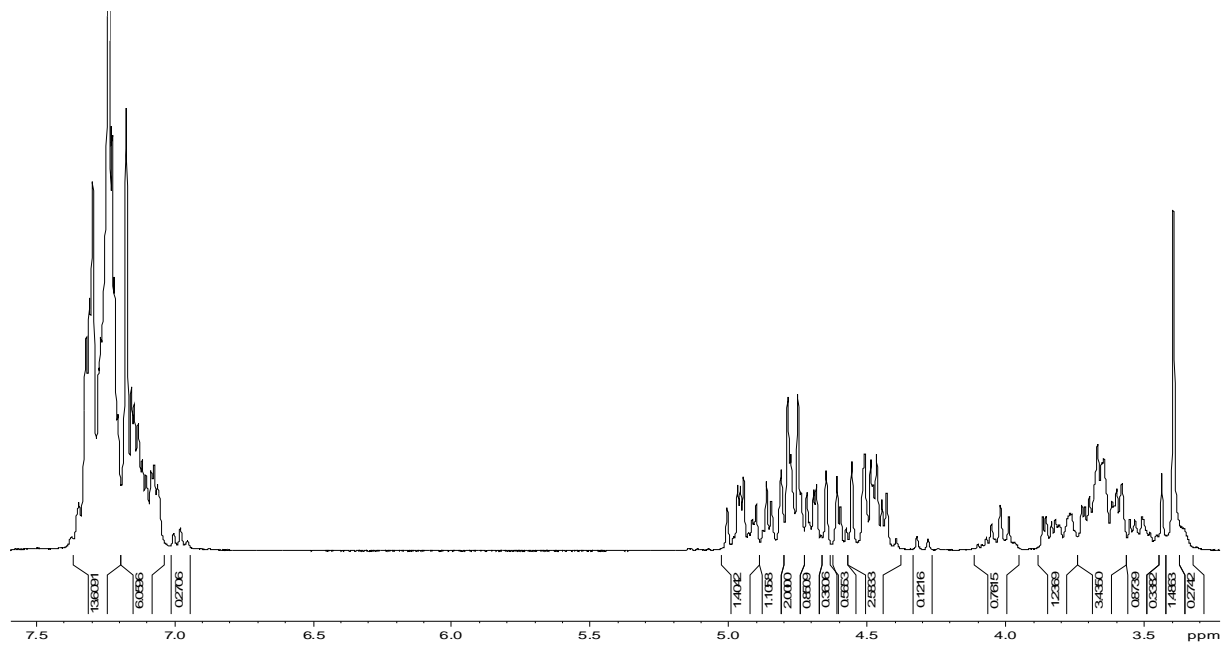




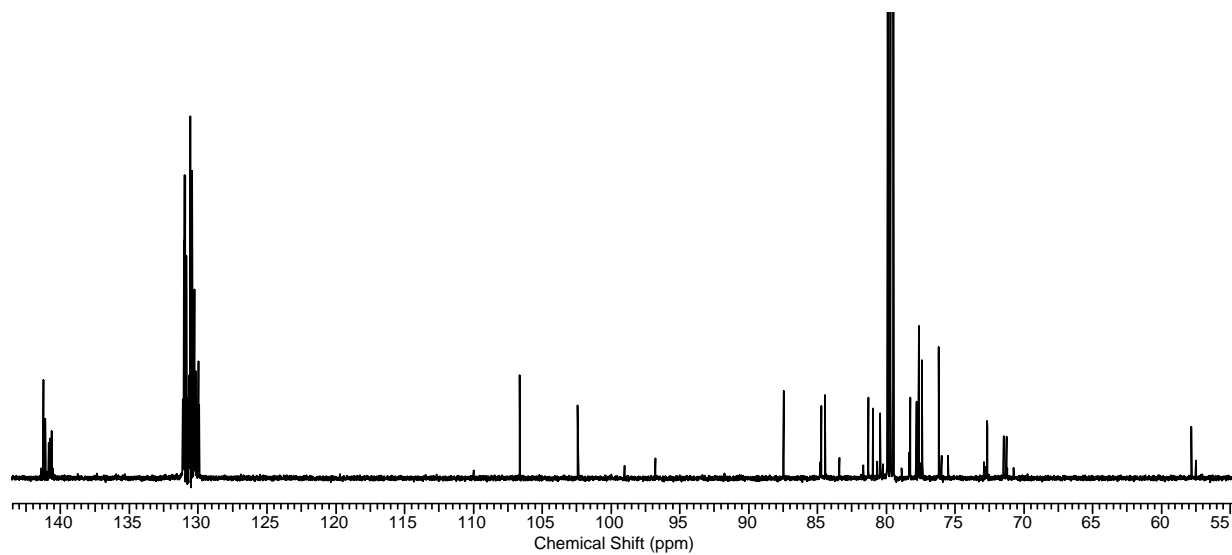
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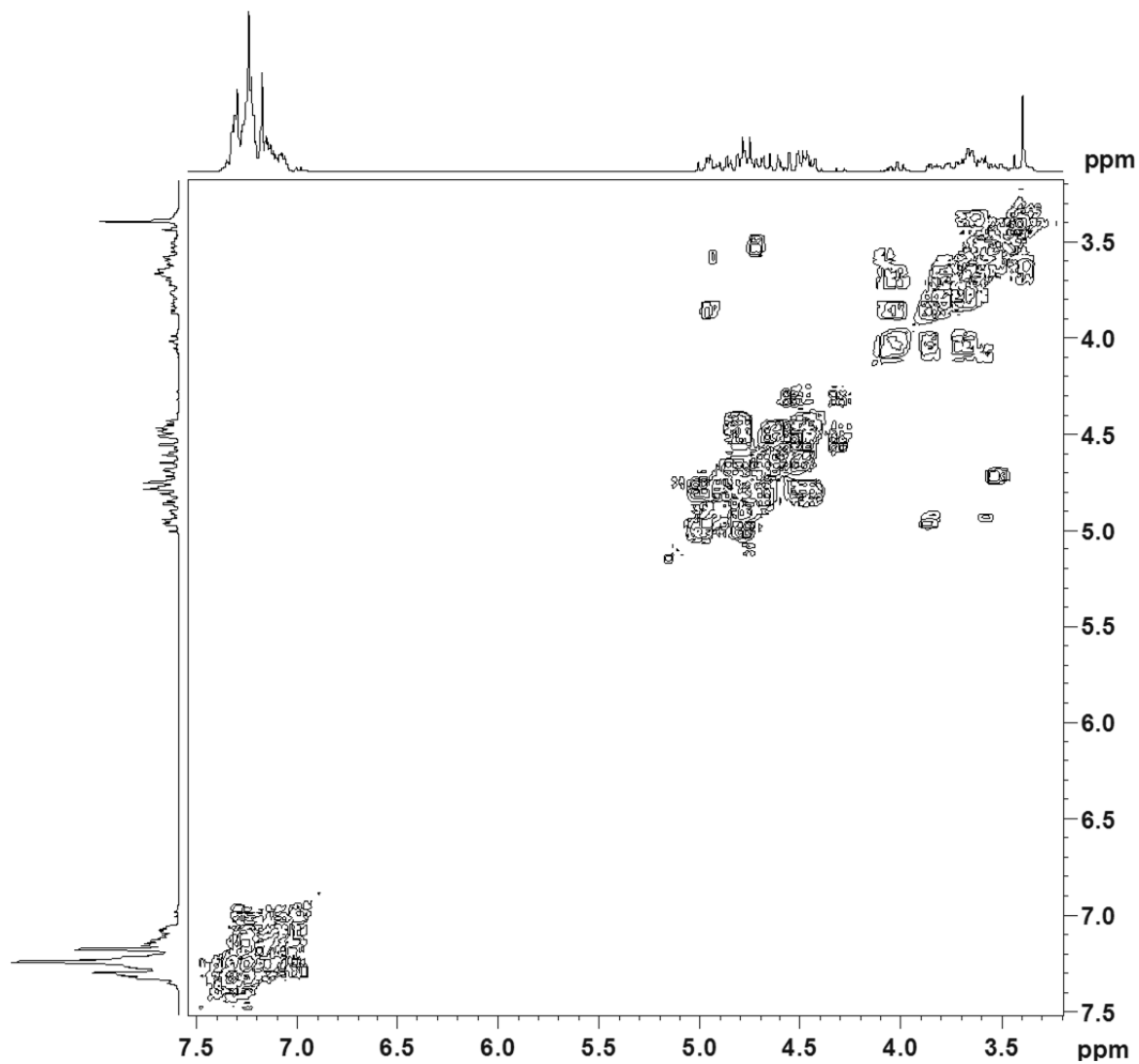
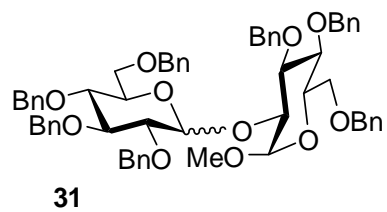
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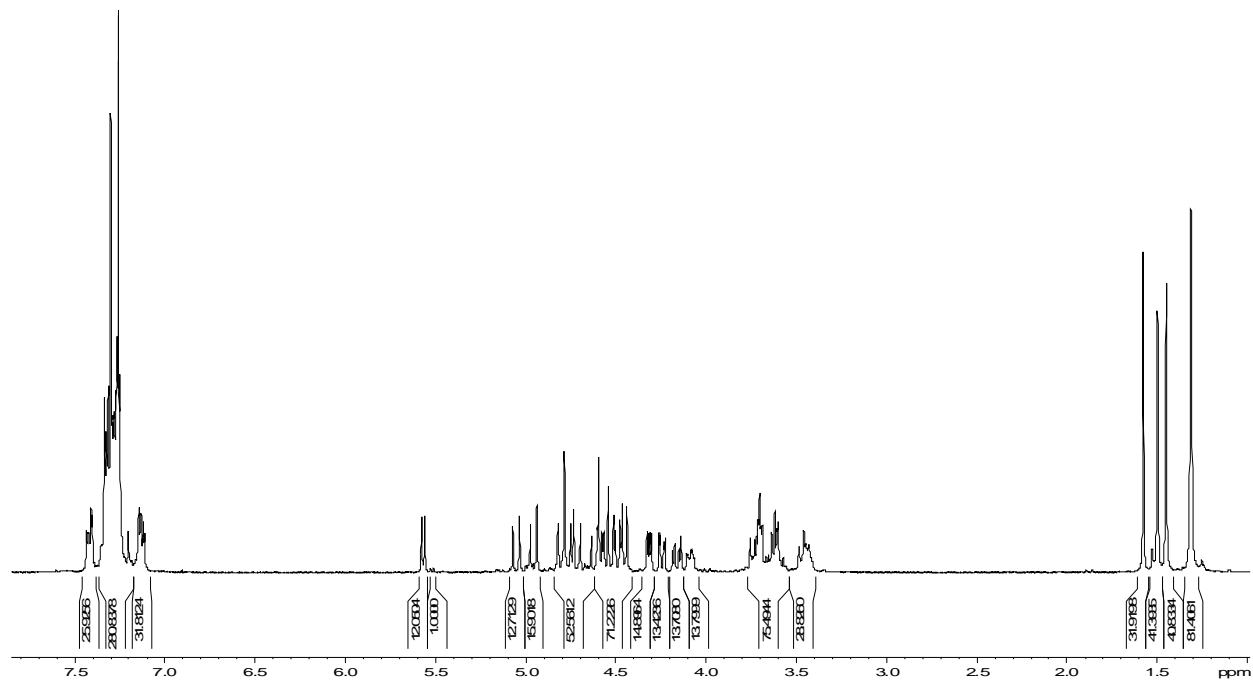
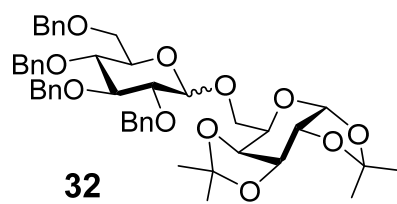
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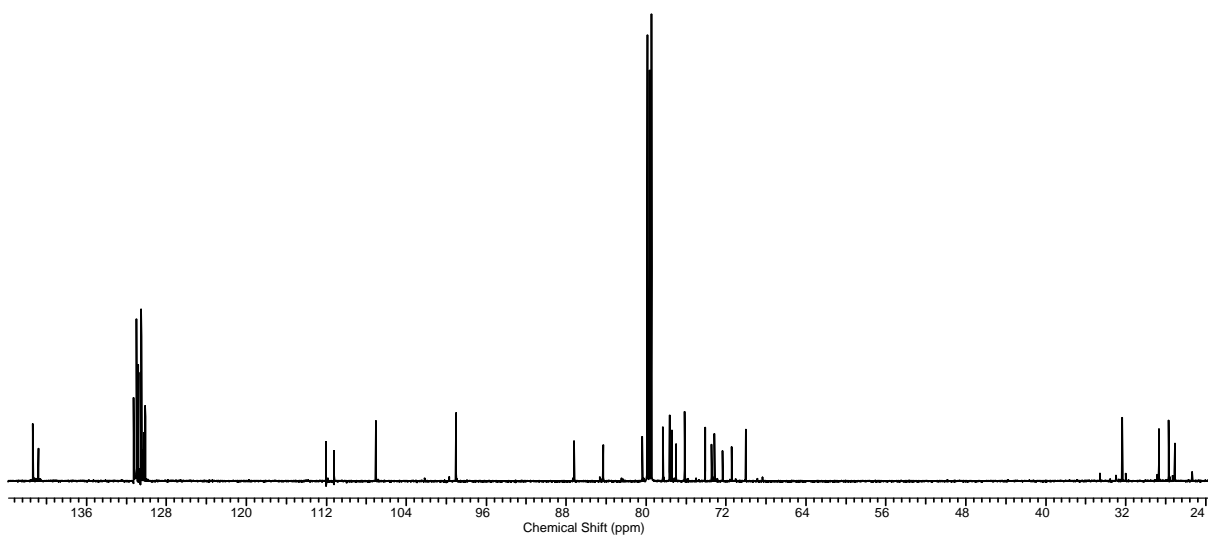
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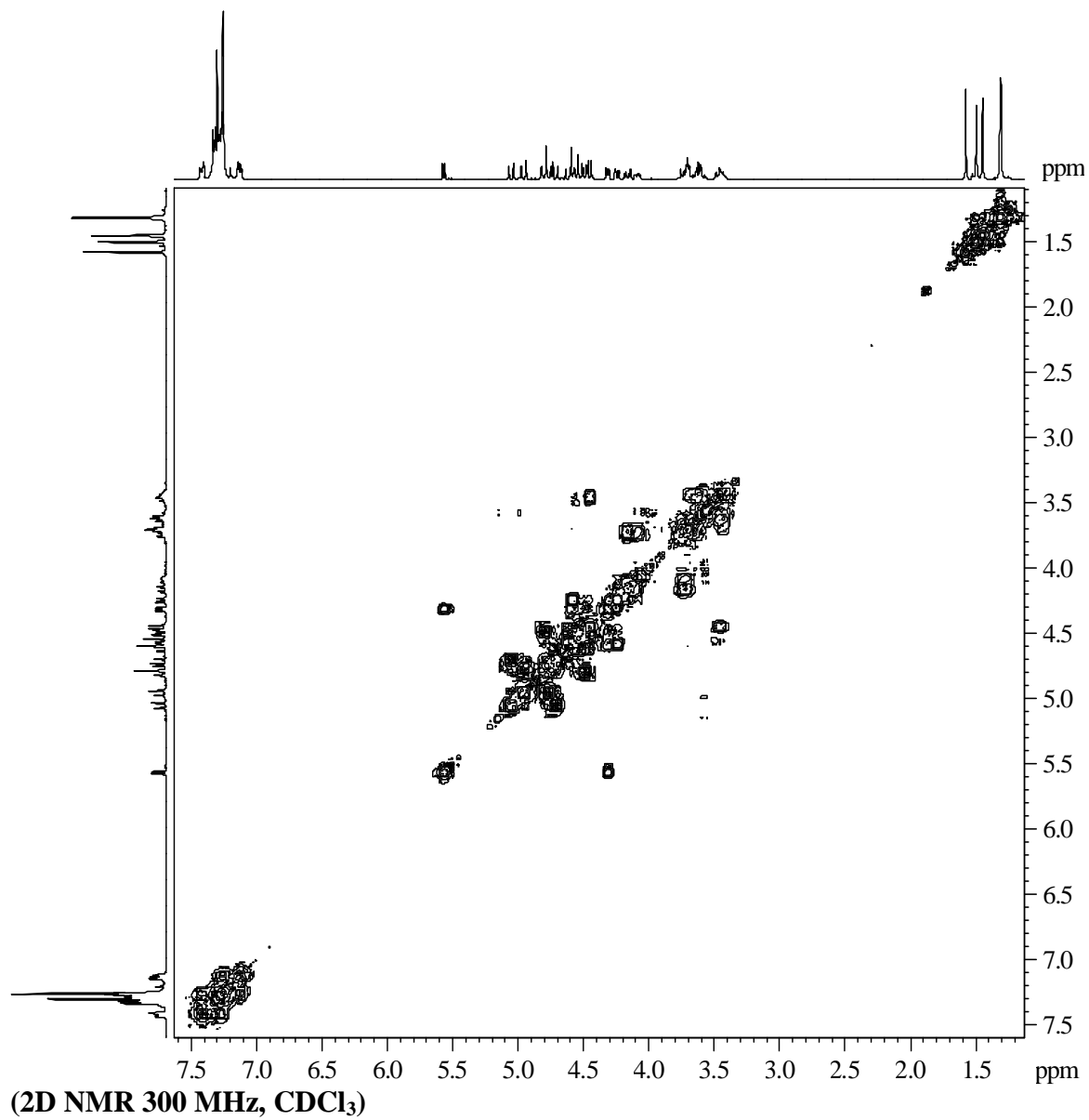
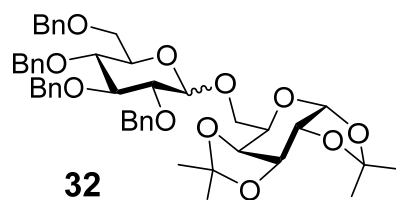


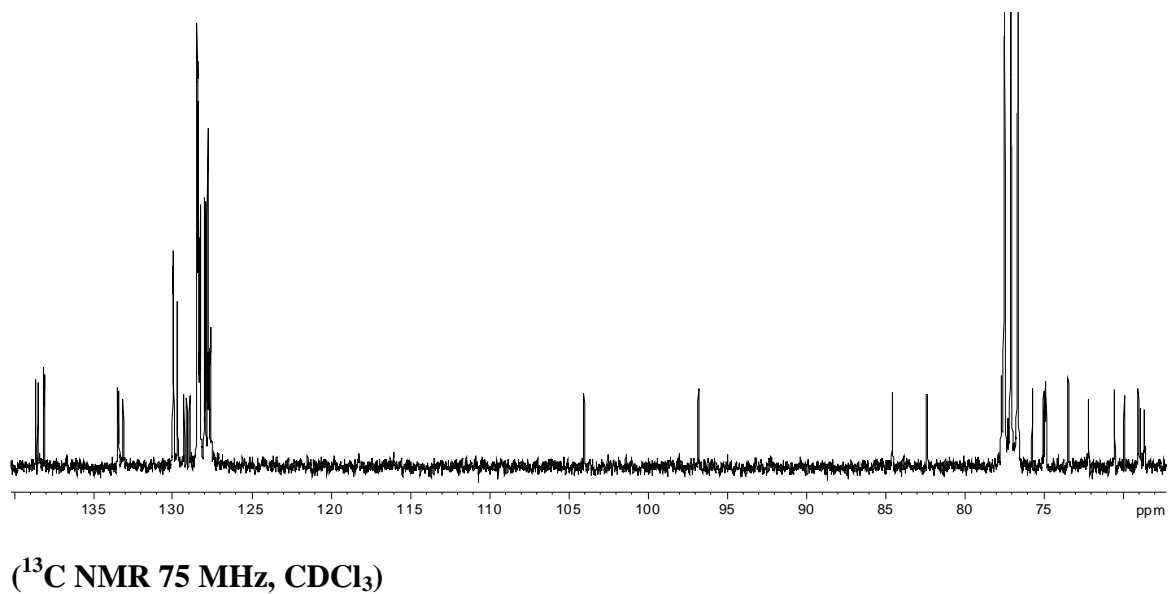
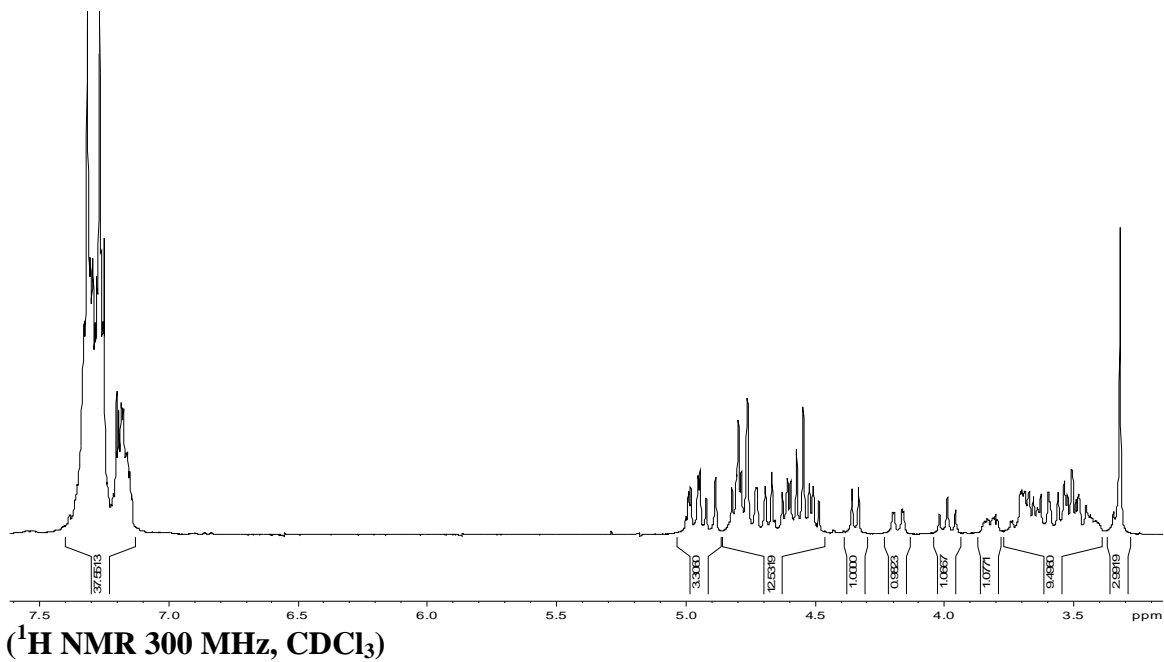
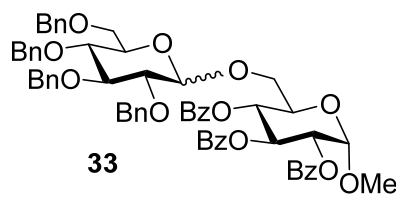
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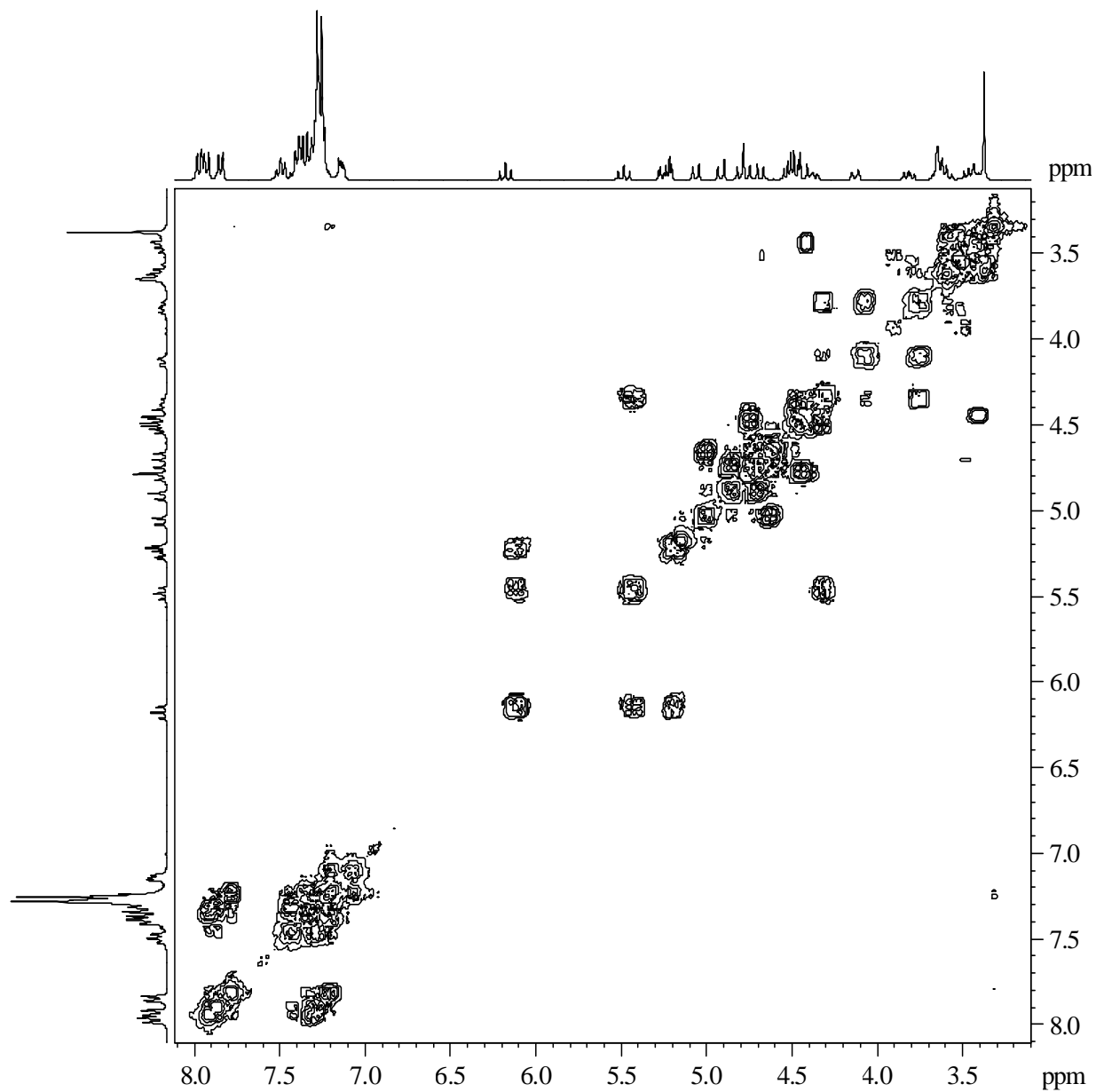
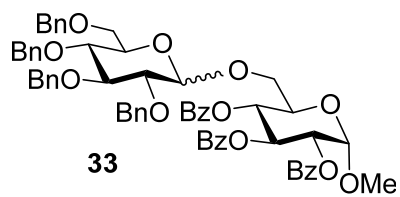


<sup>13</sup>C NMR 150 MHz, CDCl<sub>3</sub>

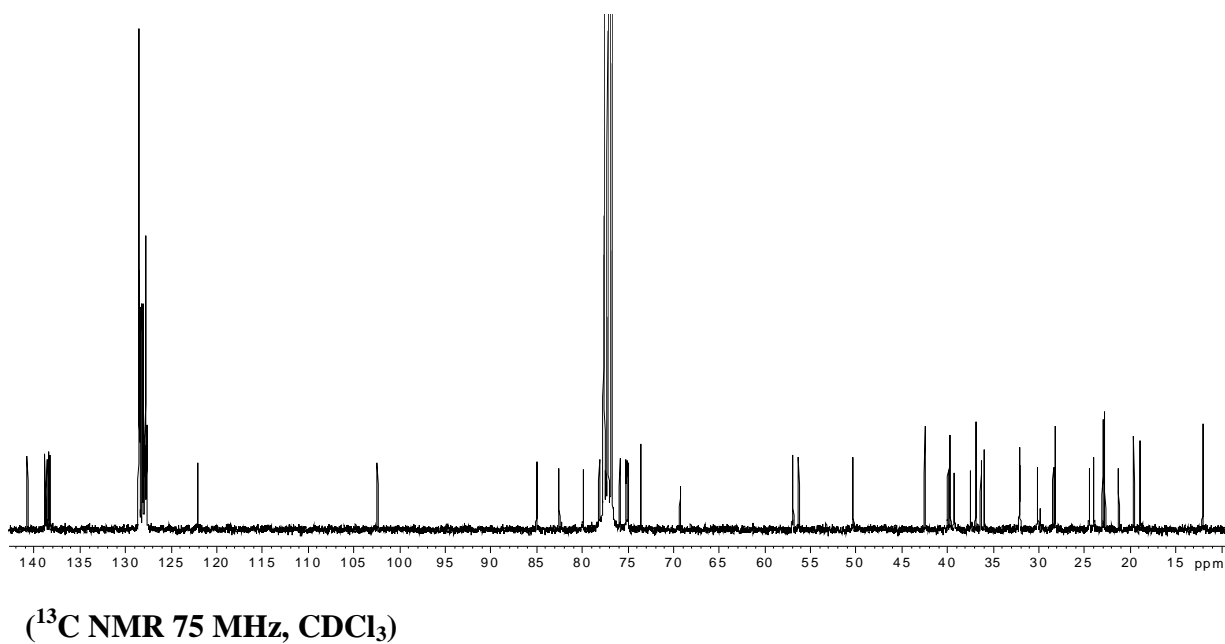
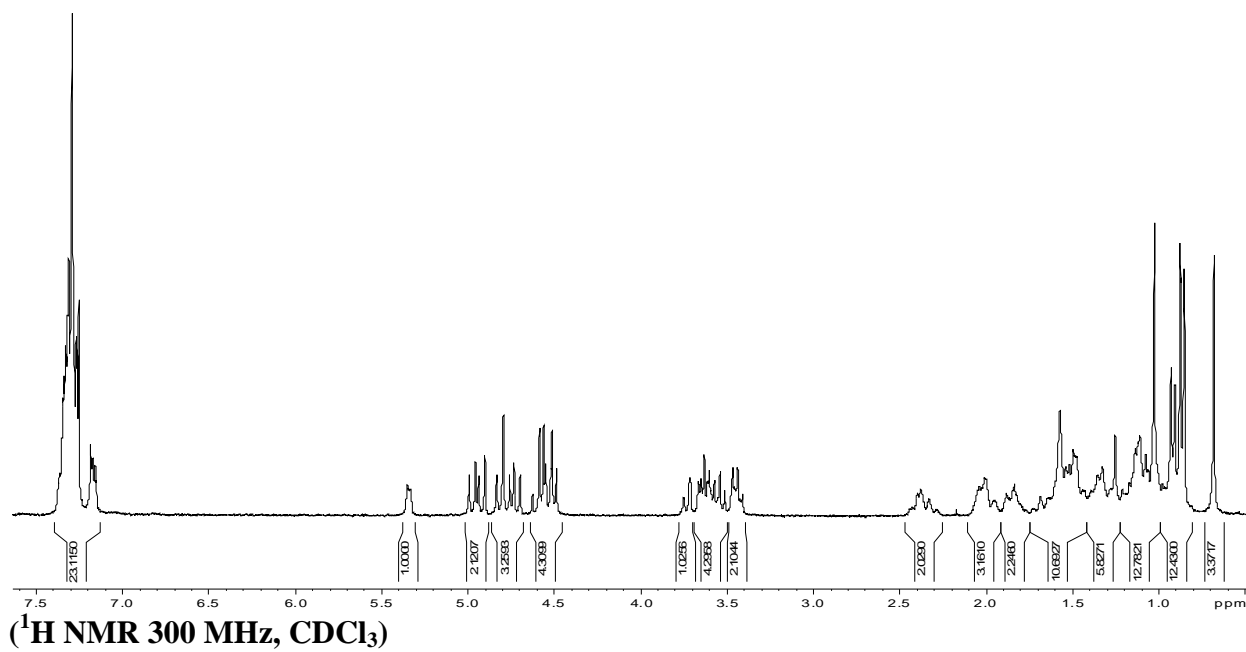
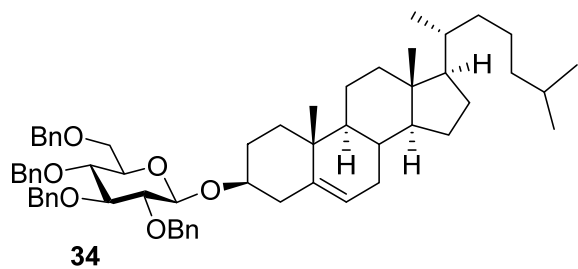


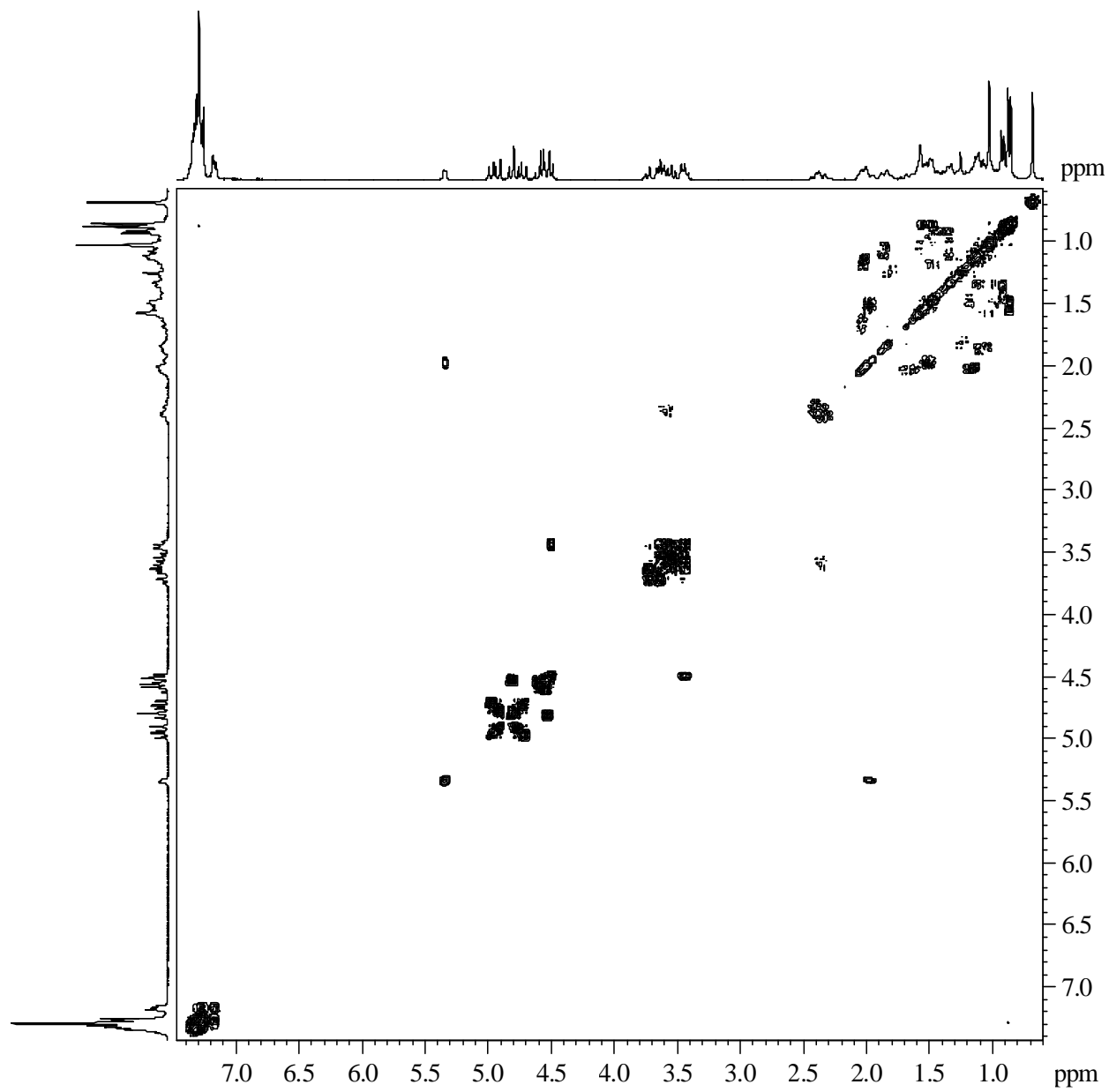
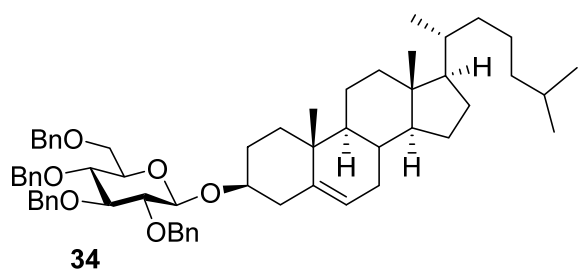




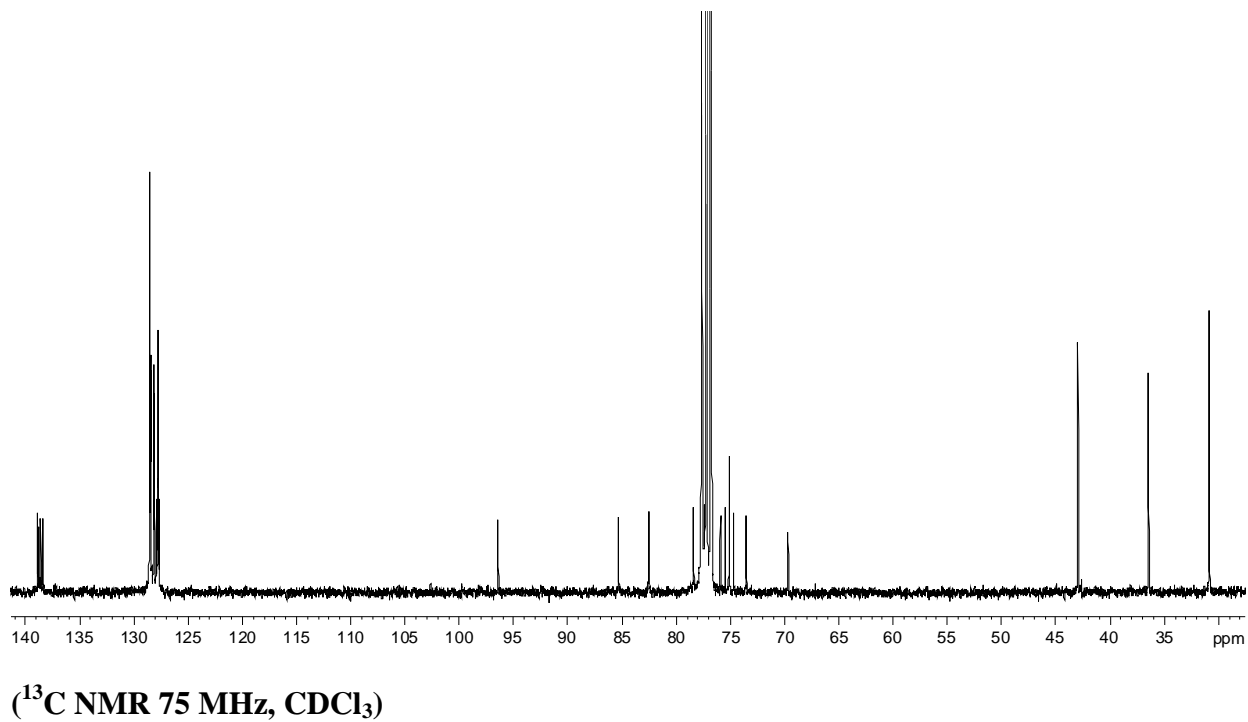
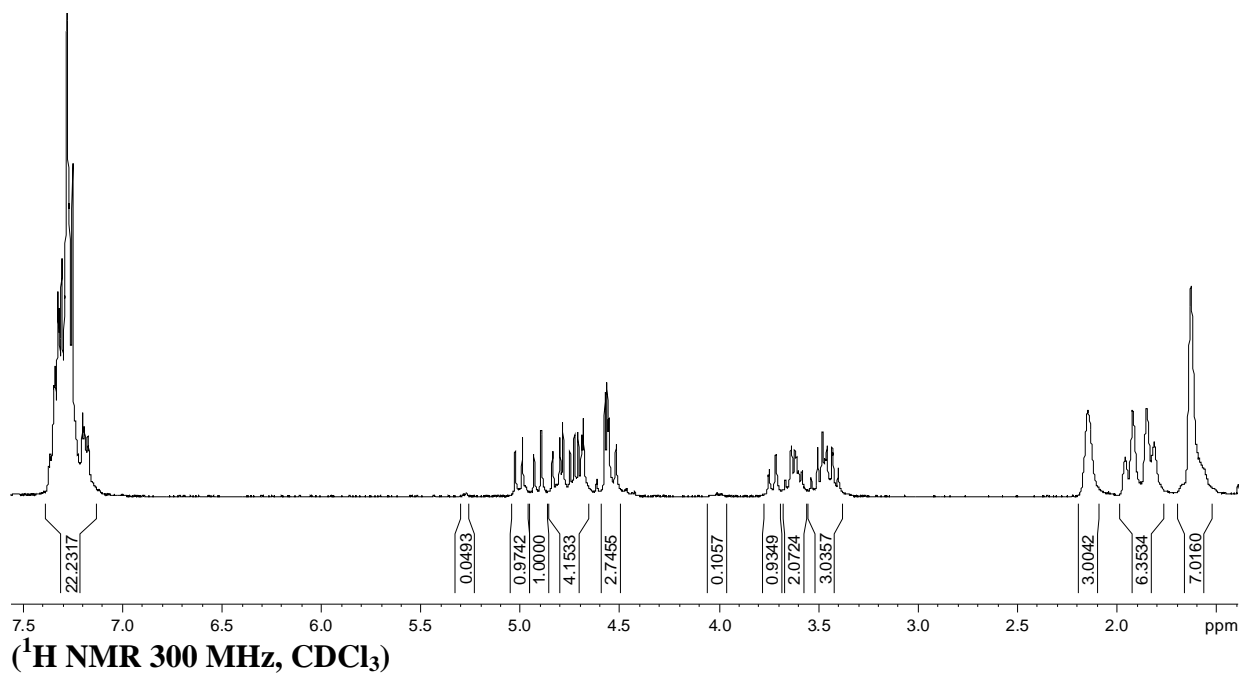
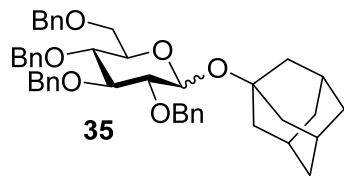


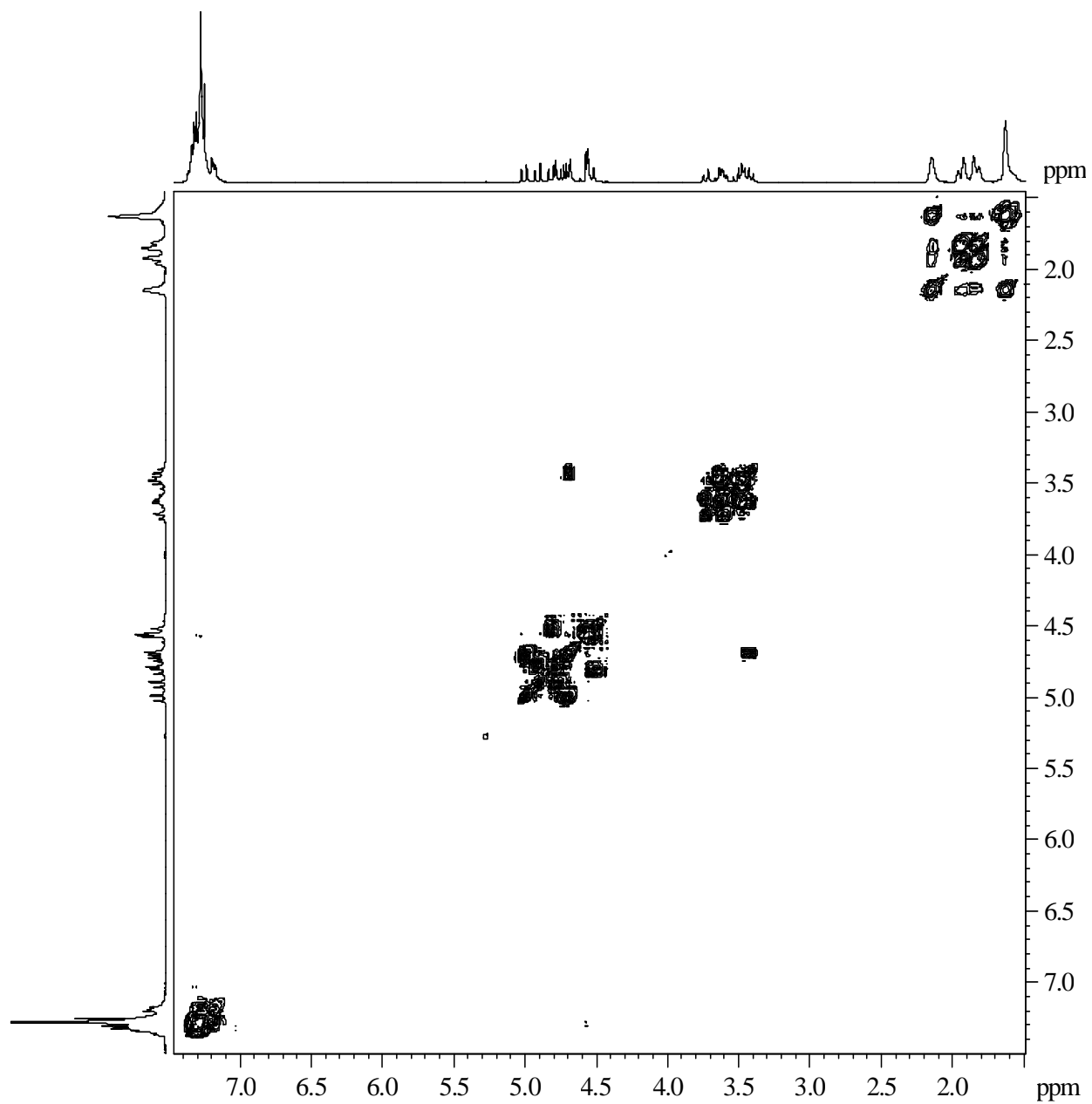
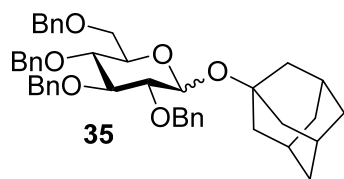
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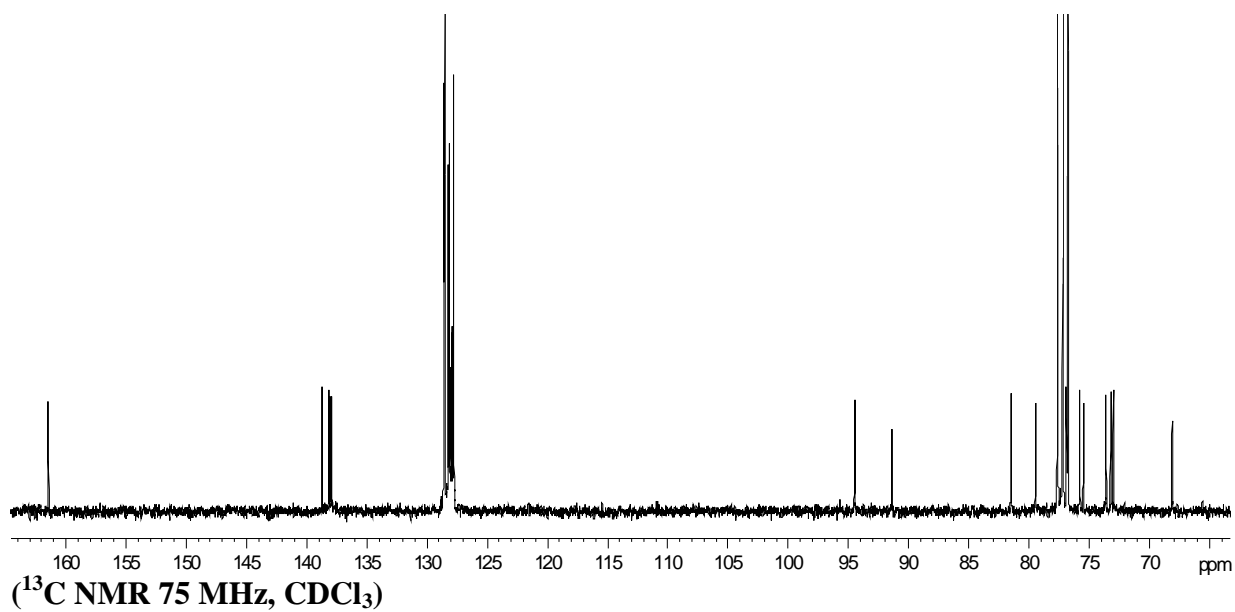
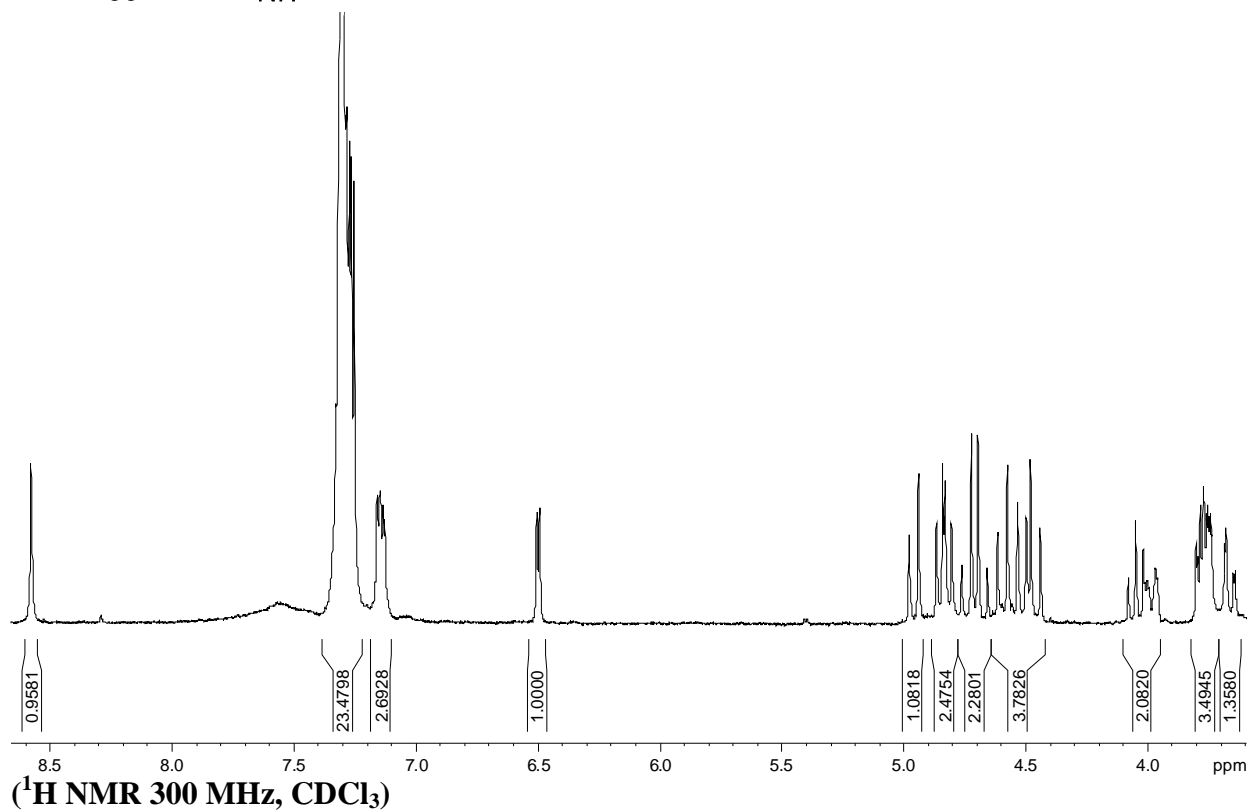
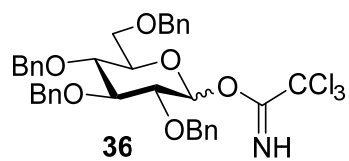


(2D NMR 300 MHz, CDCl<sub>3</sub>)

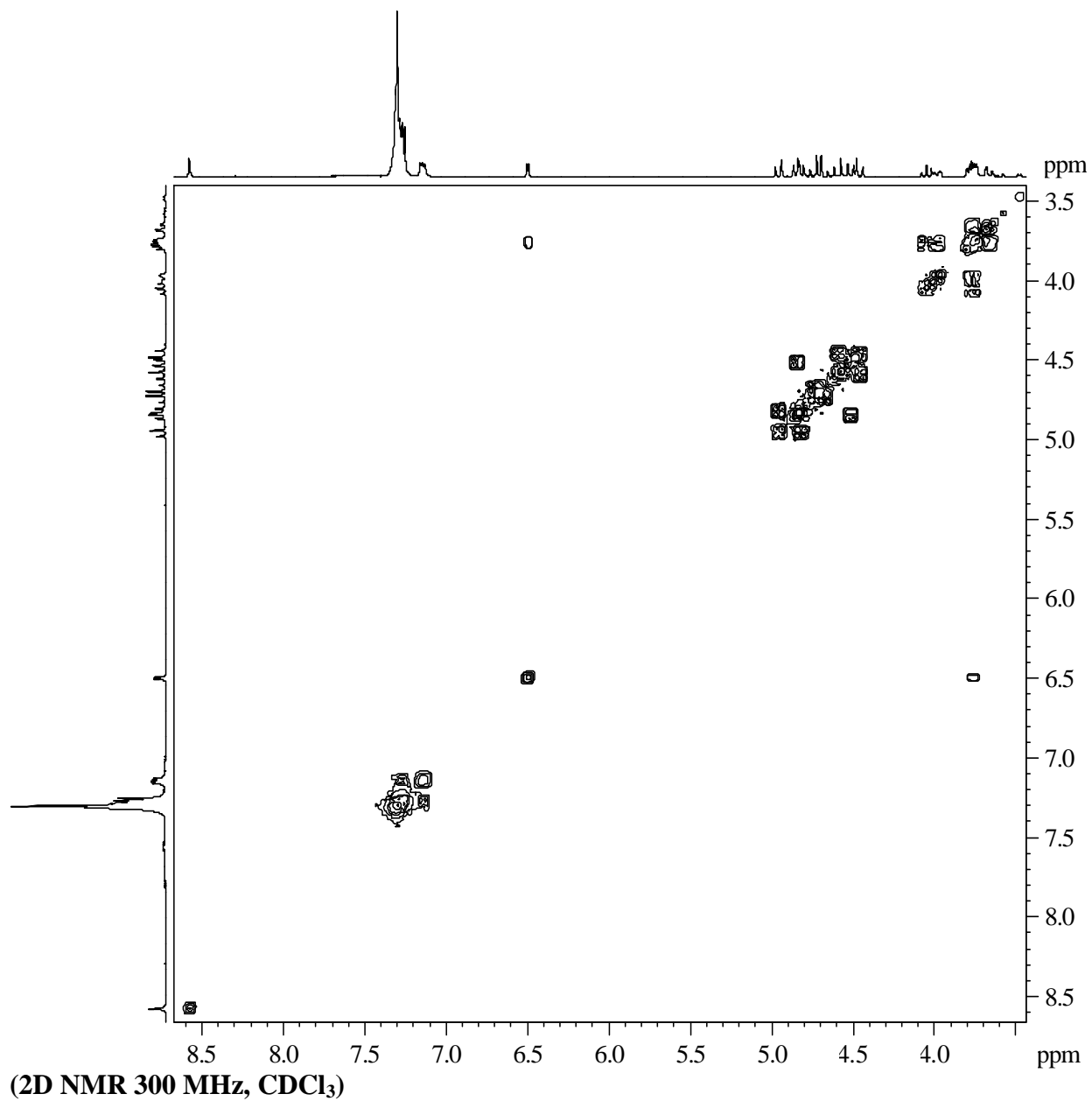
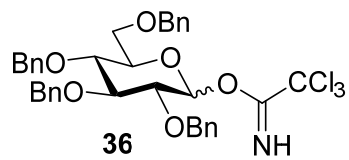


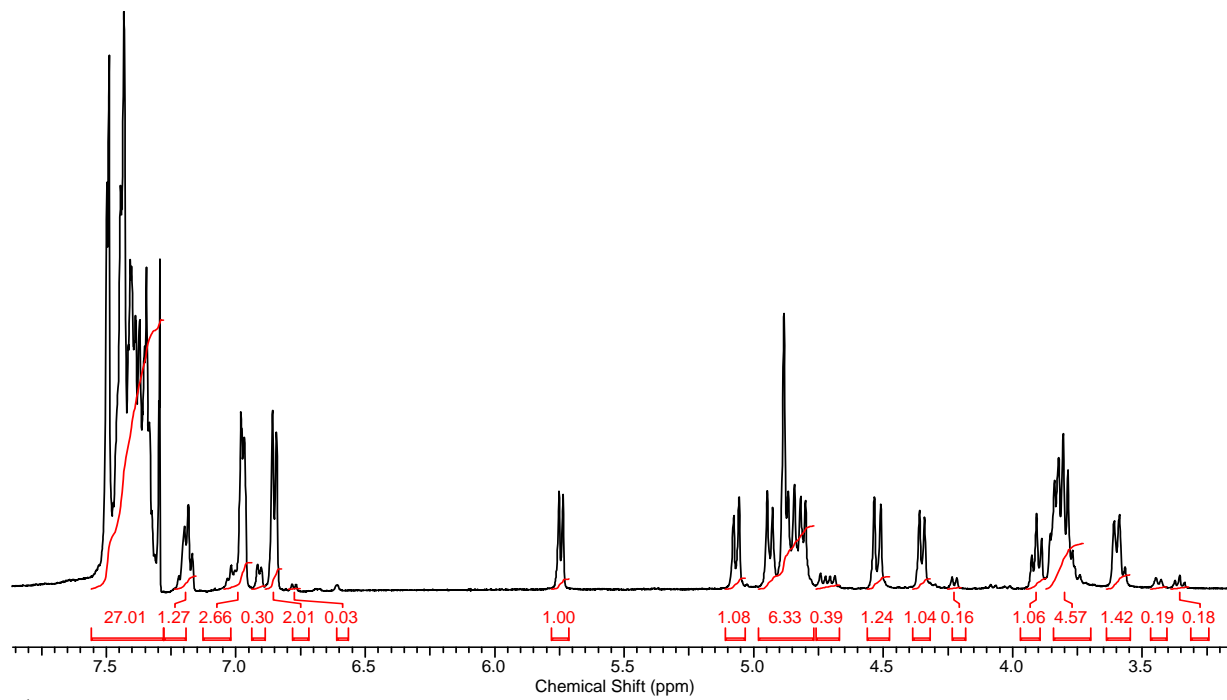
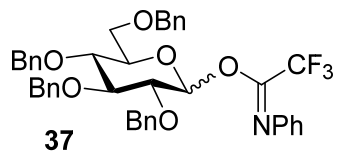


(2D NMR 300 MHz, CDCl<sub>3</sub>)

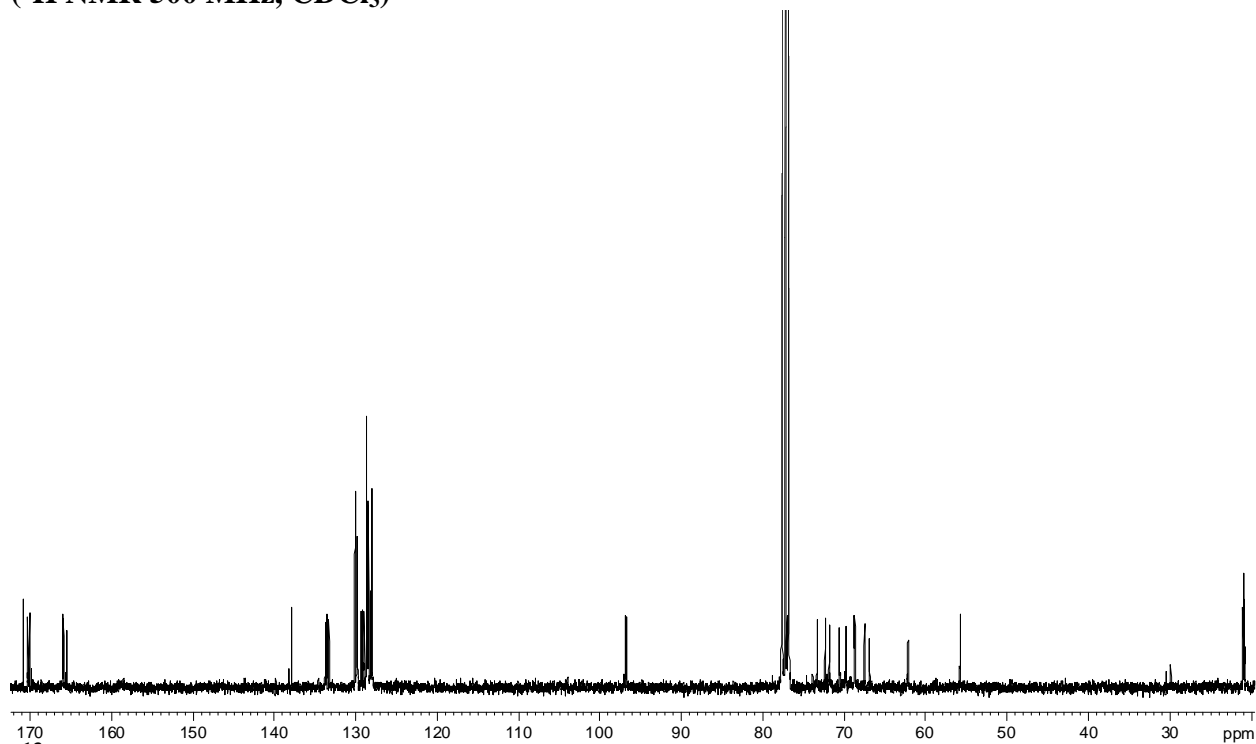




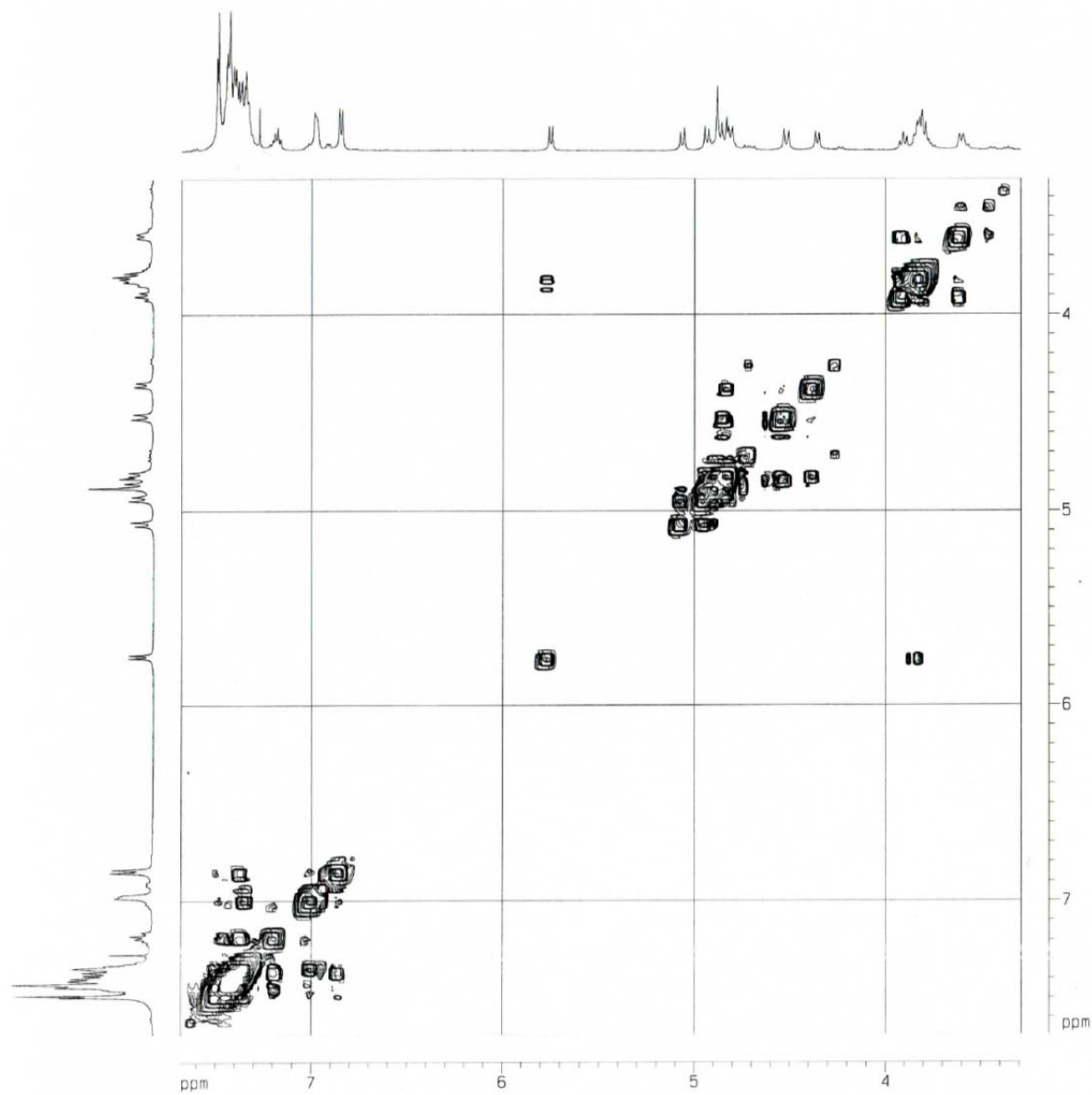
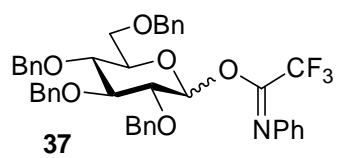




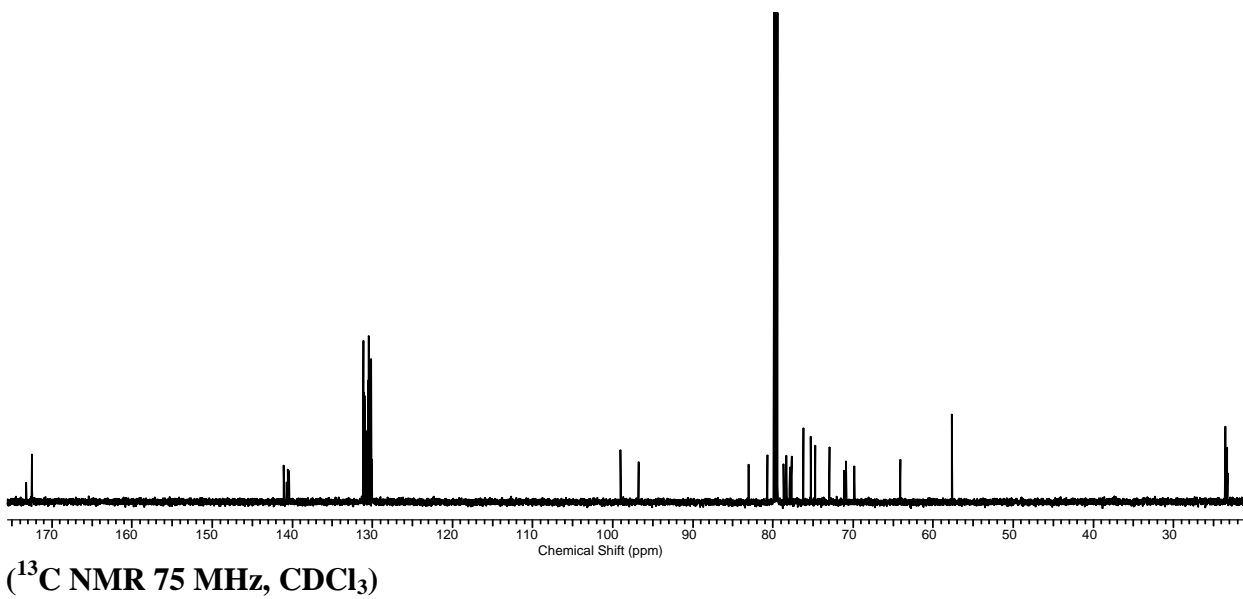
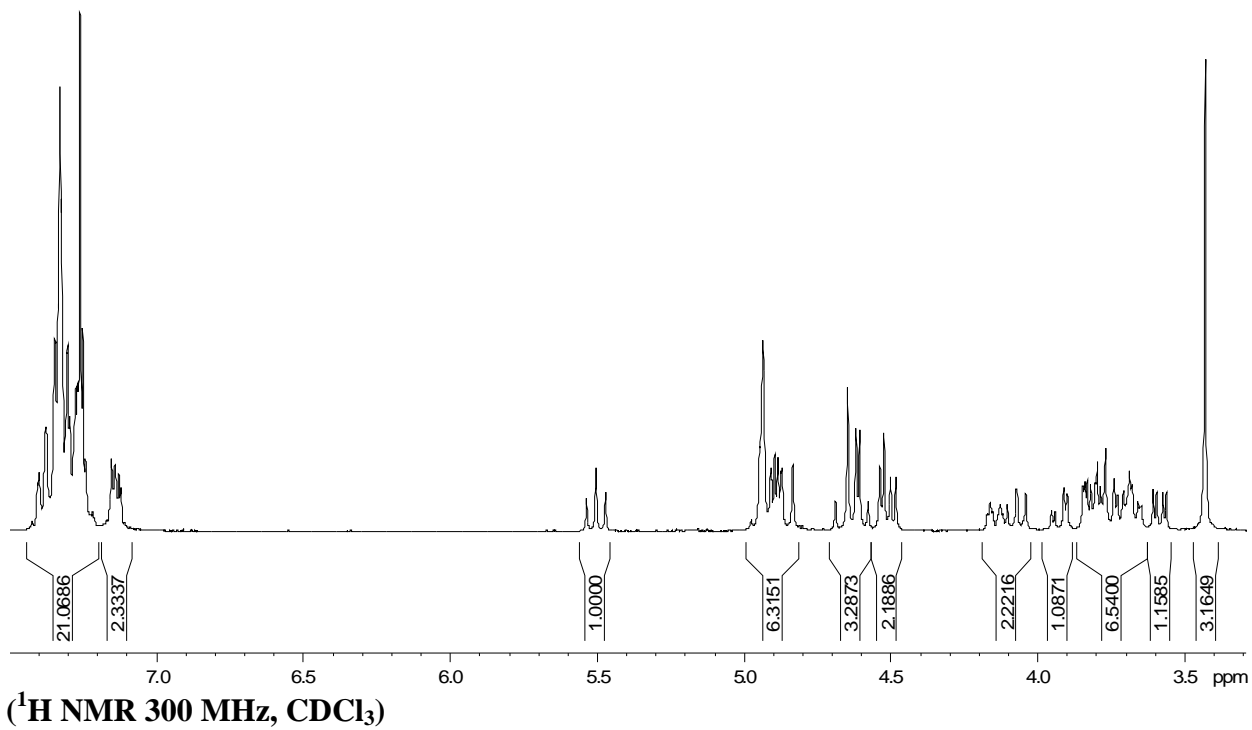
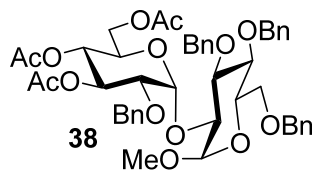
$^1\text{H NMR}$  500 MHz,  $\text{CDCl}_3$

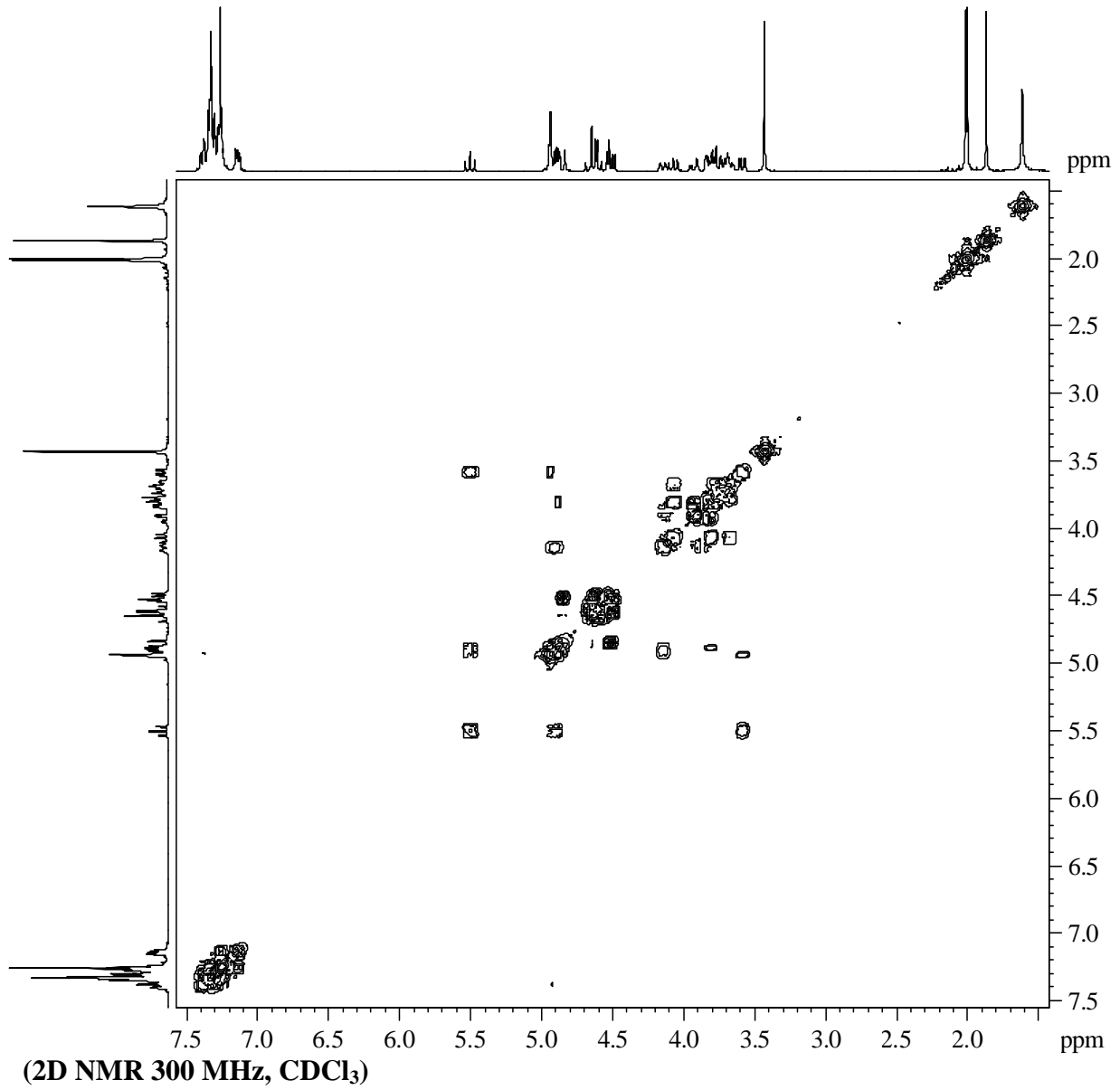
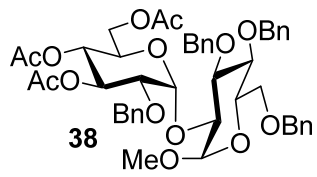


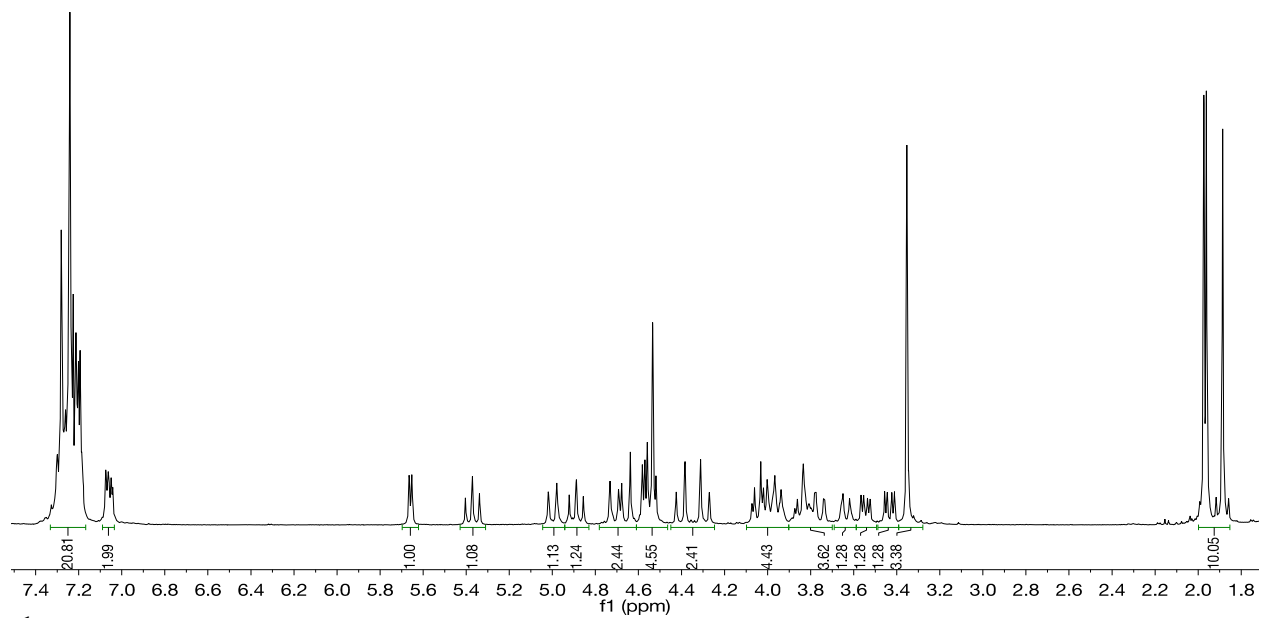
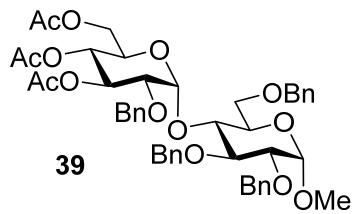
$^{13}\text{C NMR}$  125 MHz,  $\text{CDCl}_3$



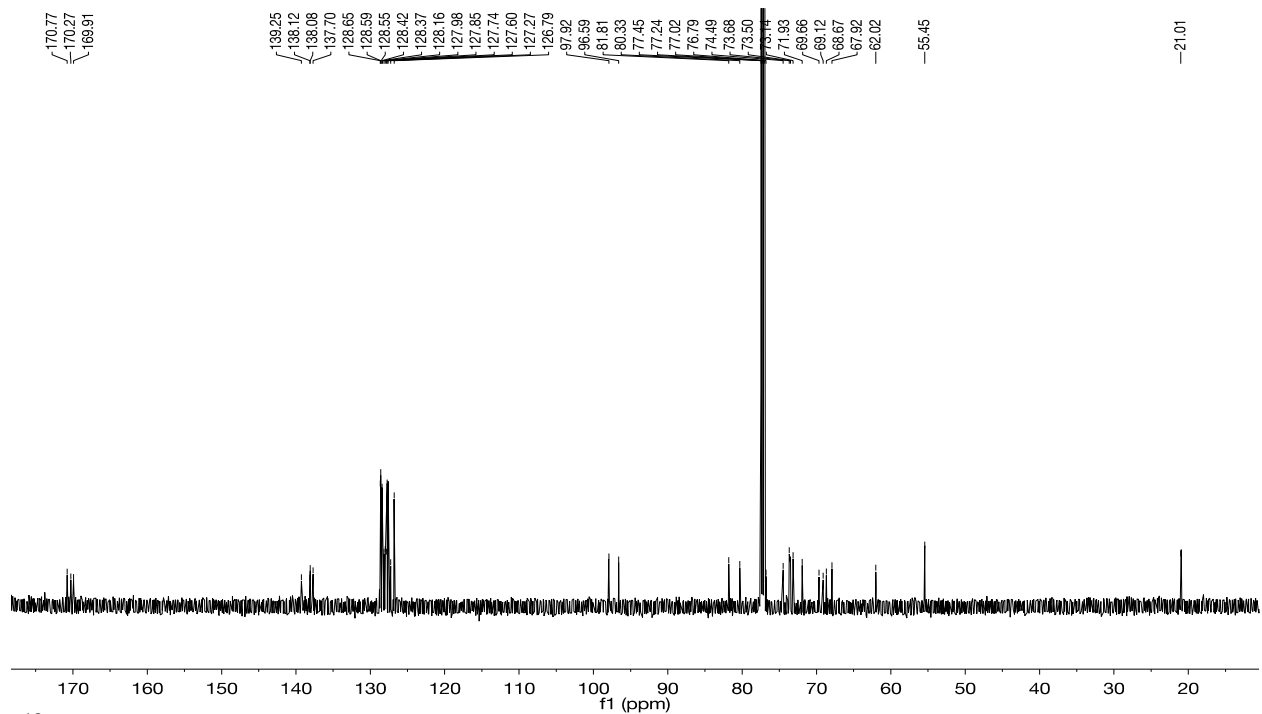
(2D NMR 500 MHz, CDCl<sub>3</sub>)



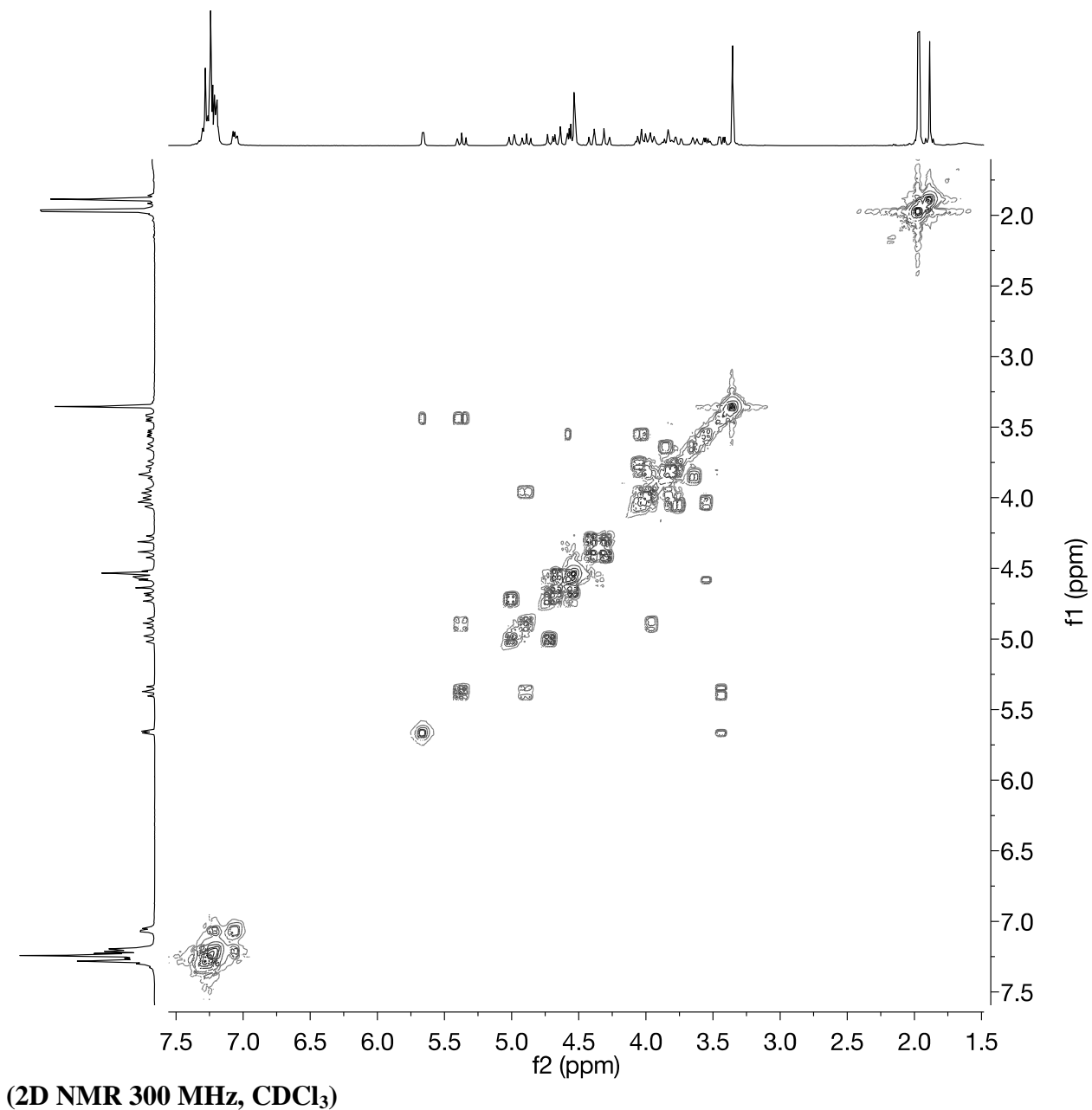
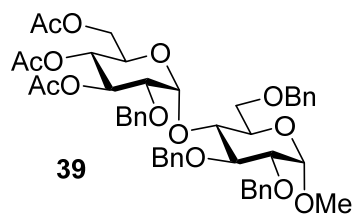


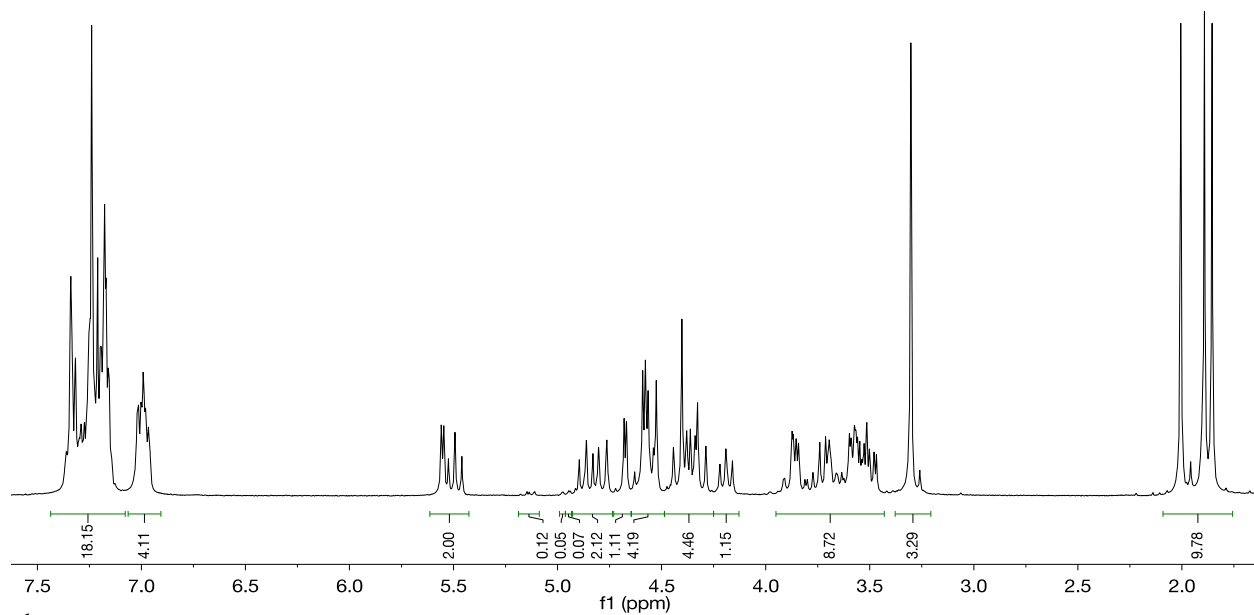
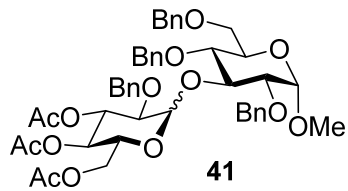


( $^1\text{H NMR}$  300 MHz,  $\text{CDCl}_3$ )

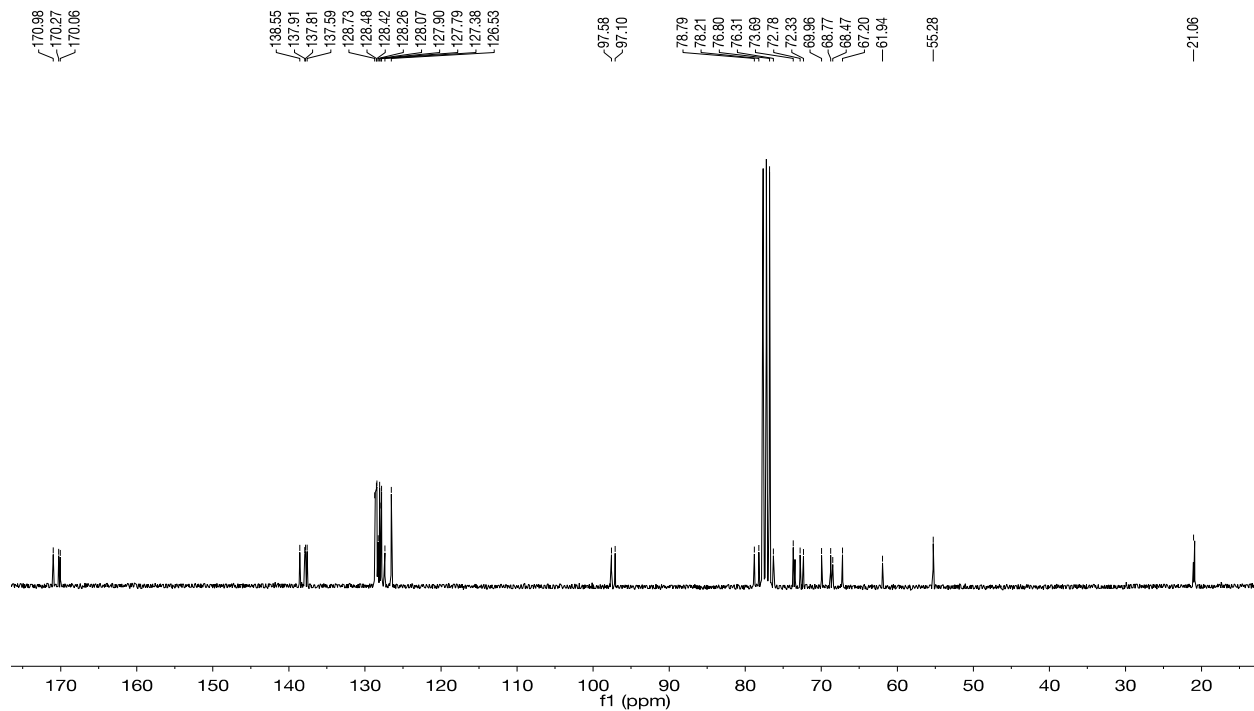


( $^{13}\text{C NMR}$  150 MHz,  $\text{CDCl}_3$ )



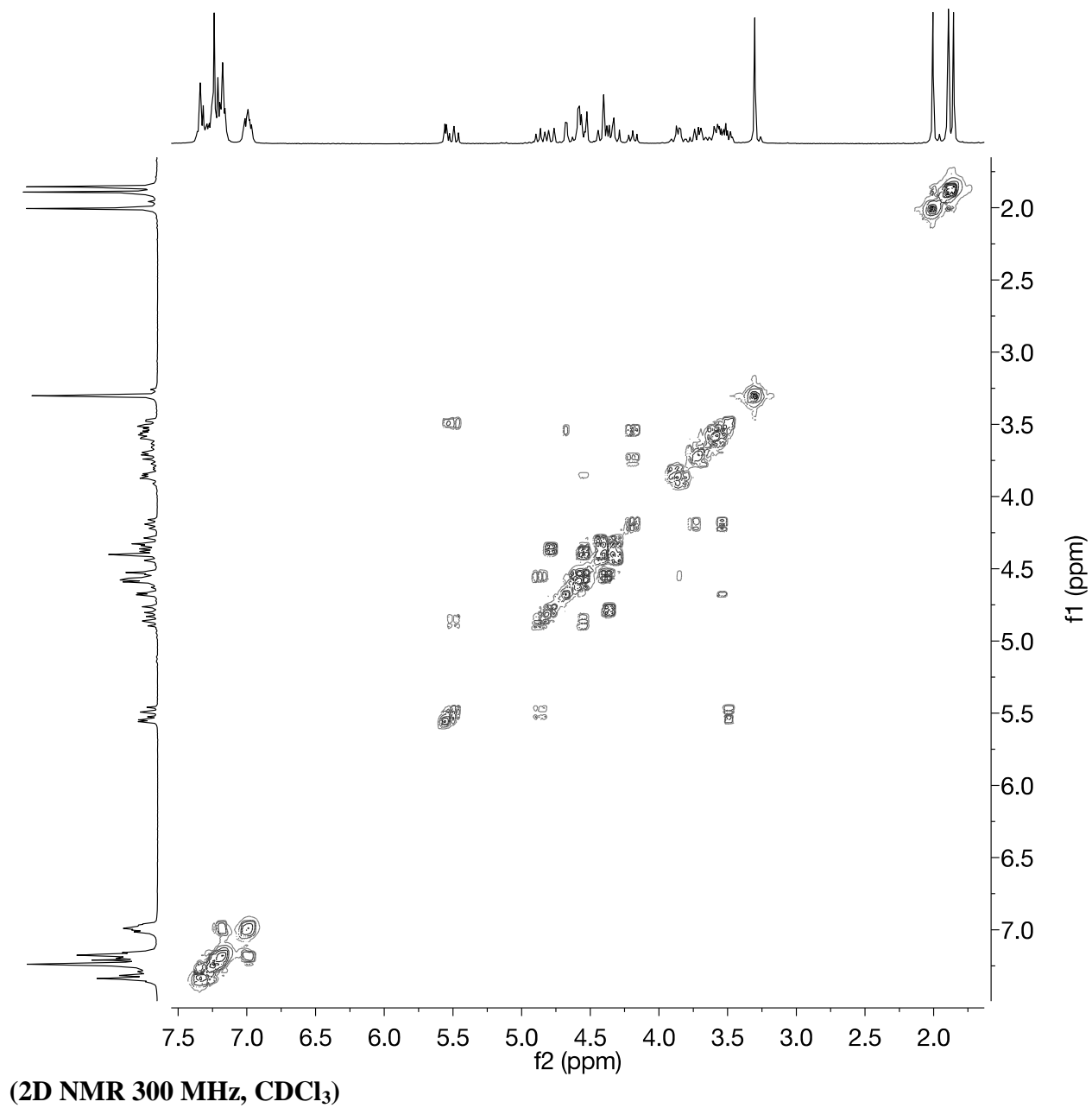
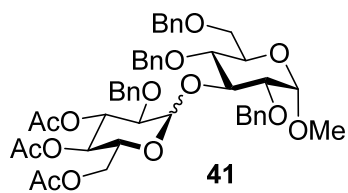


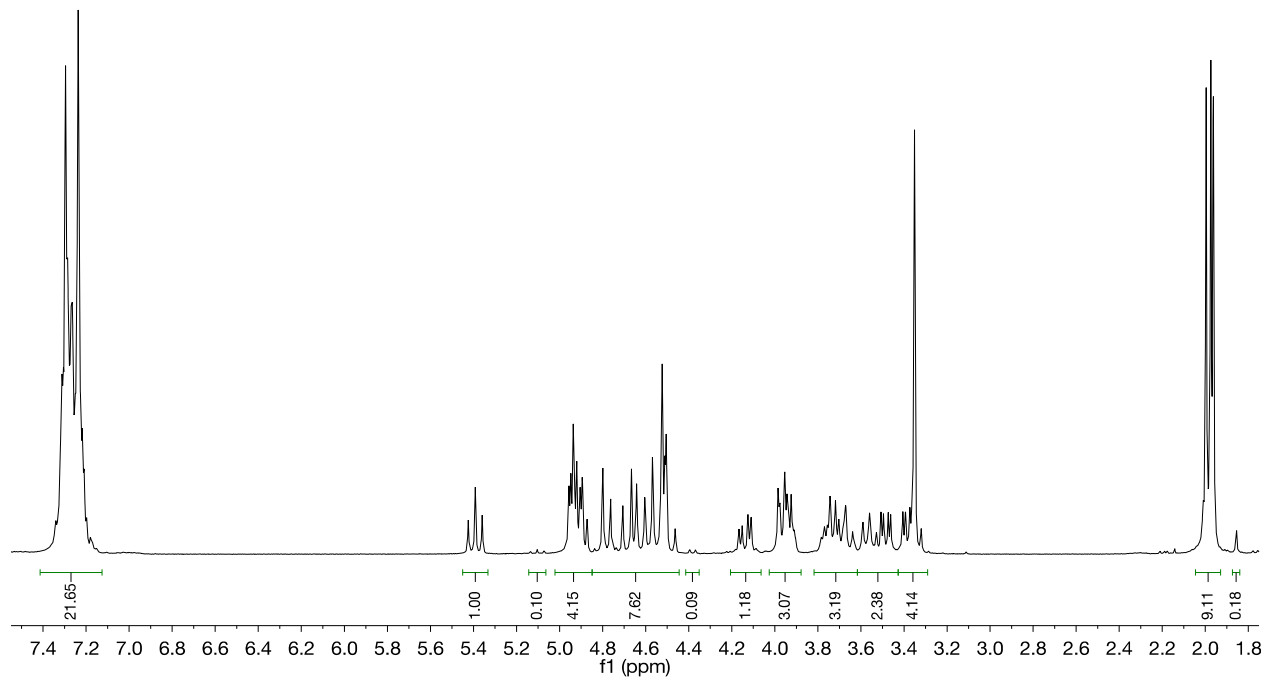
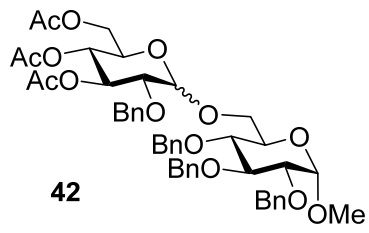
**(<sup>1</sup>H NMR 300 MHz, CDCl<sub>3</sub>)**



**(<sup>13</sup>C NMR 75 MHz, CDCl<sub>3</sub>)**





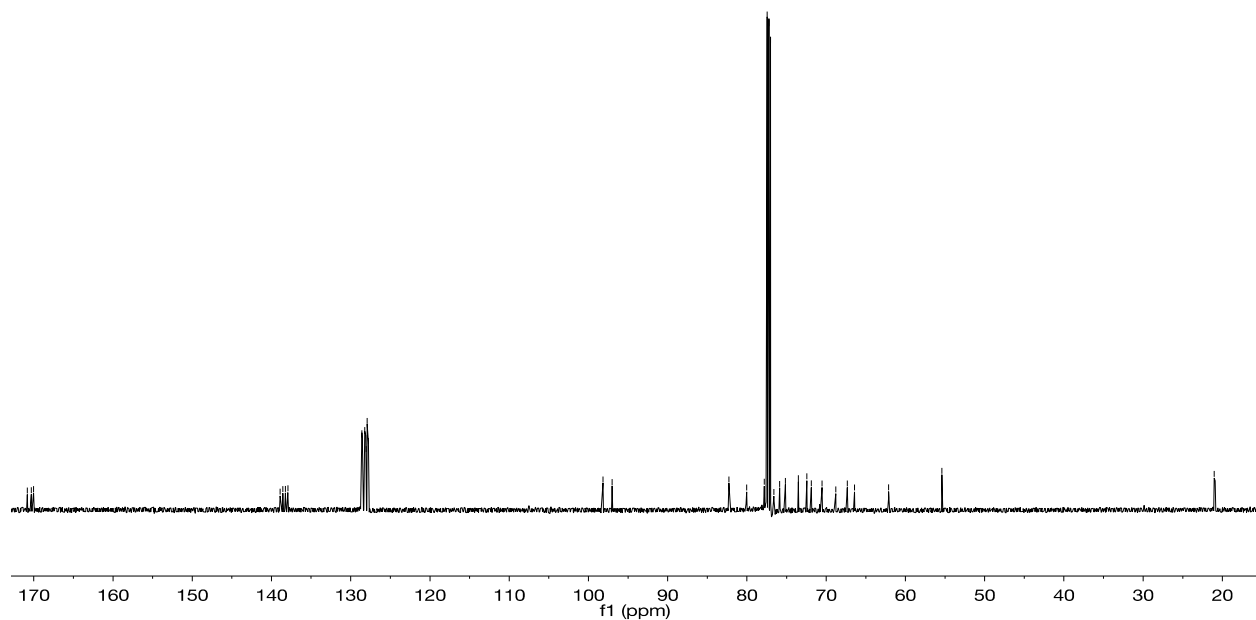


**(<sup>1</sup>H NMR 300 MHz, CDCl<sub>3</sub>)**

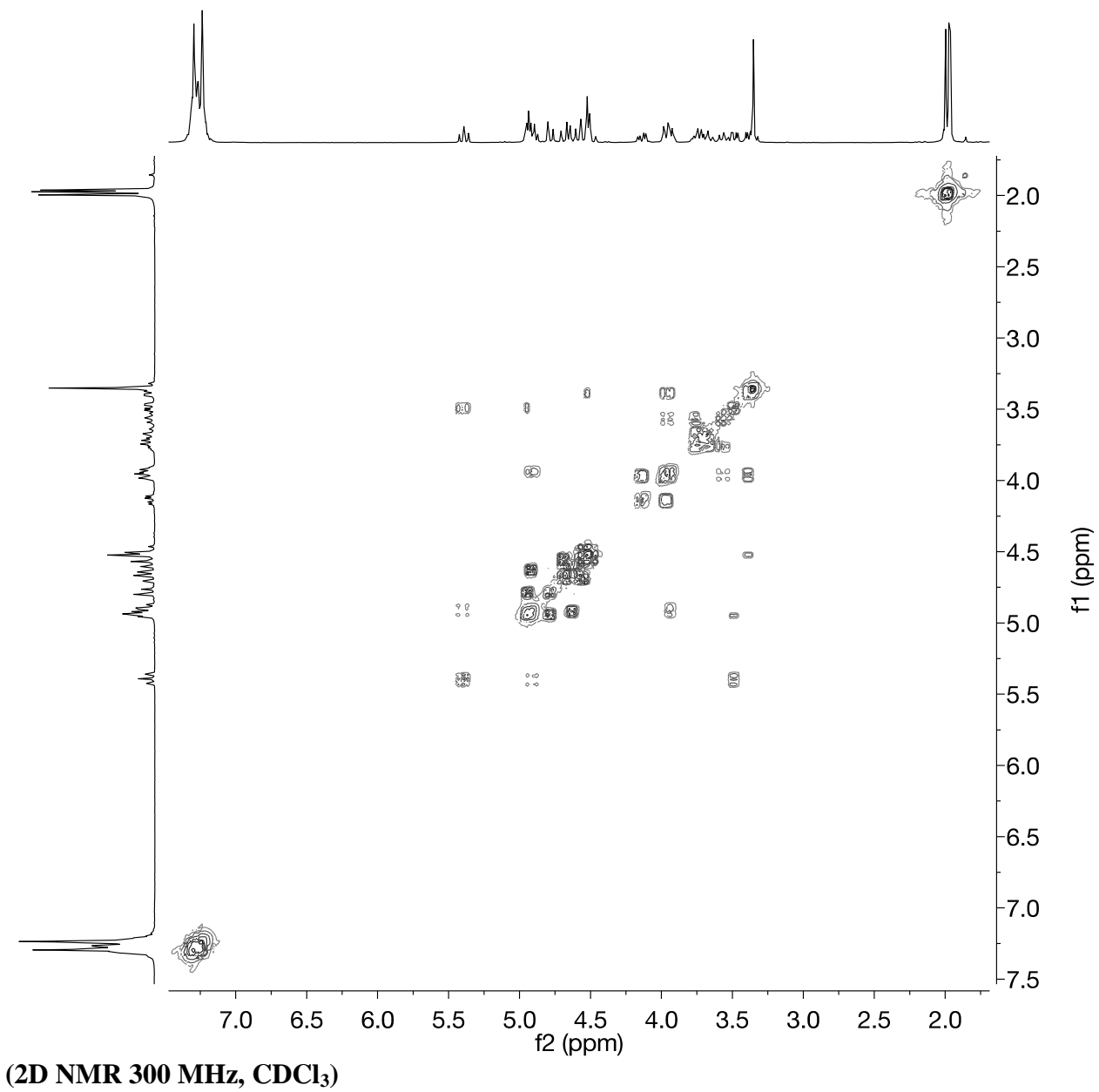
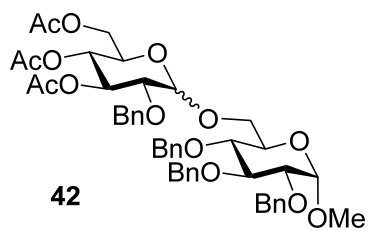
170.82, 170.30, 170.02, 138.90, 138.56, 138.25, 137.92, 128.58, 128.22, 128.02, 127.91, 127.75

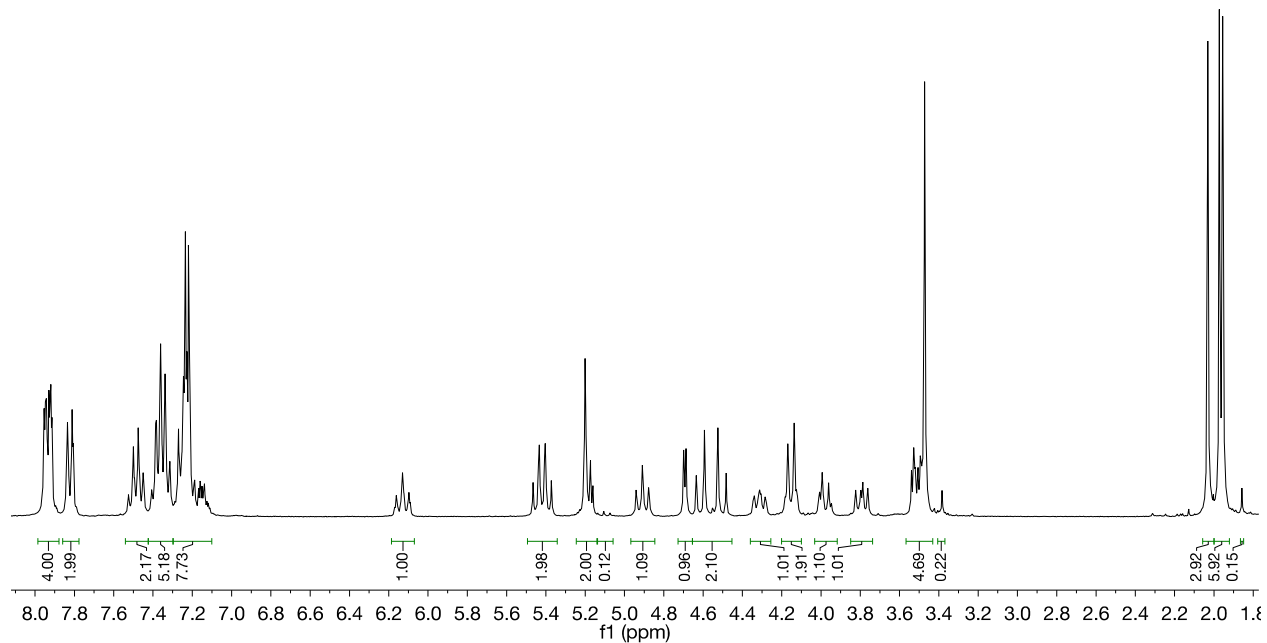
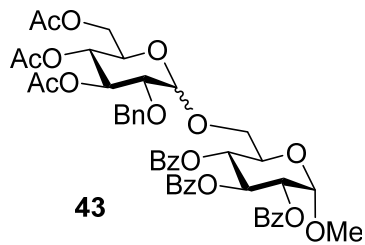
98.16, 97.01, 82.29, 80.04, 77.81, 77.44, 77.23, 77.02, 76.61, 75.88, 75.15, 73.92, 72.45, 71.89, 70.52, 68.79, 67.33, 66.42, 62.11, 55.38

-21.04

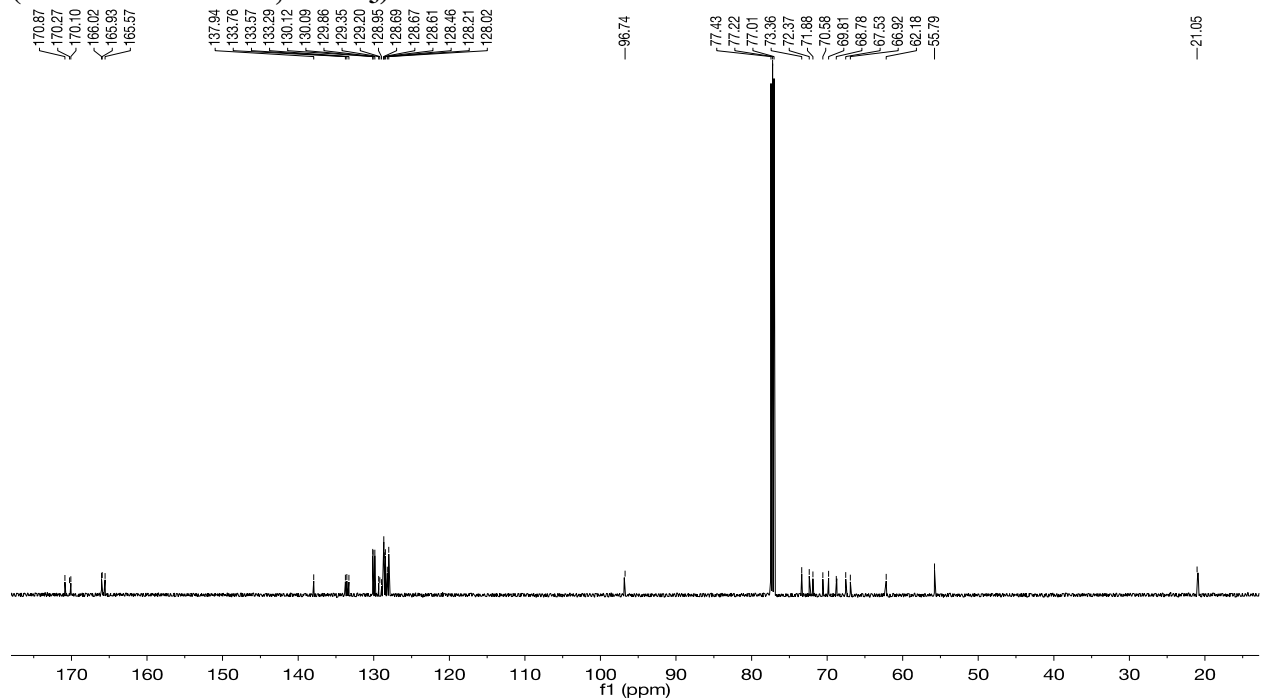


**(<sup>13</sup>C NMR 150 MHz, CDCl<sub>3</sub>)**

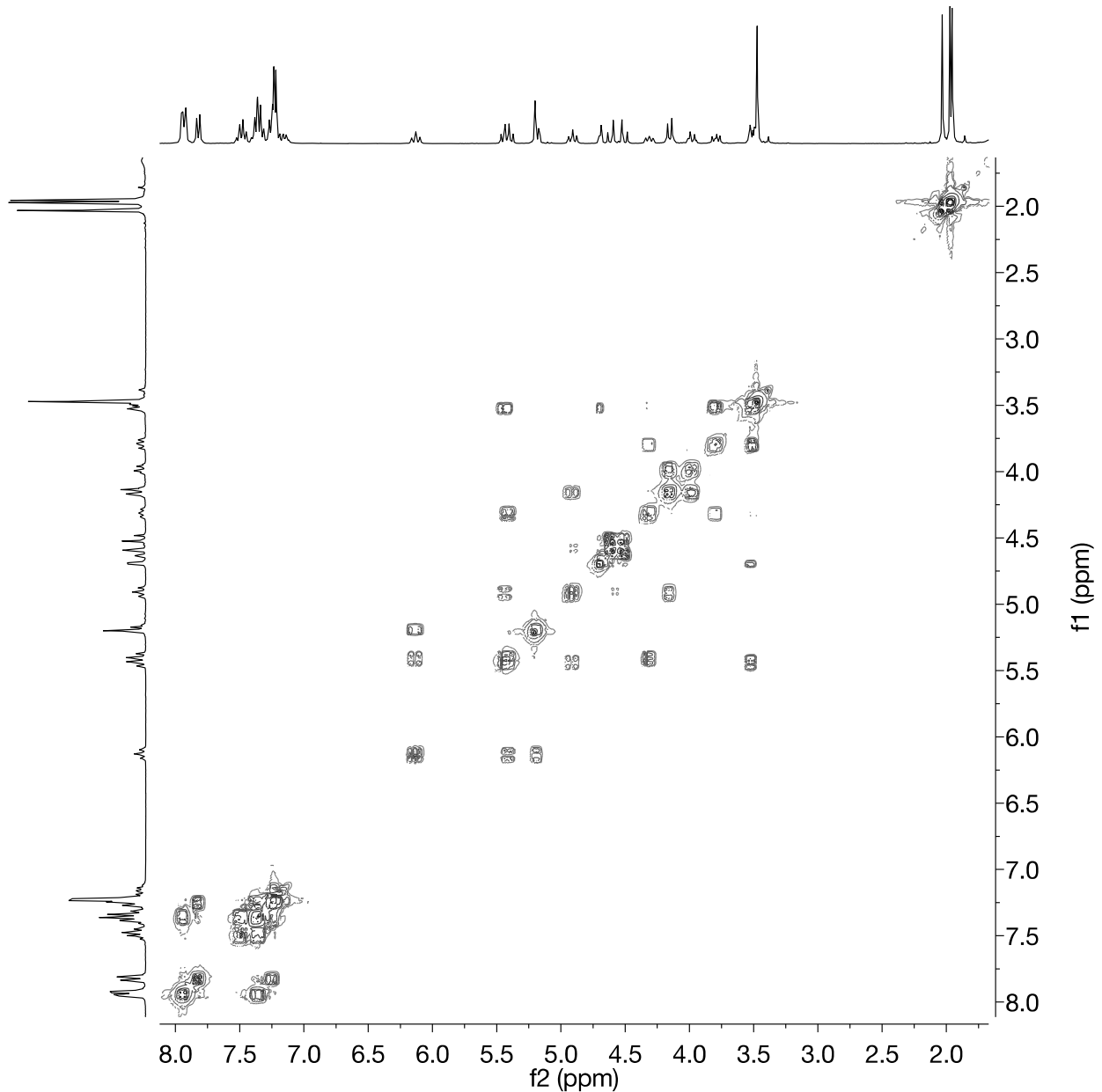
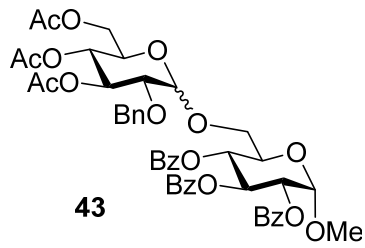




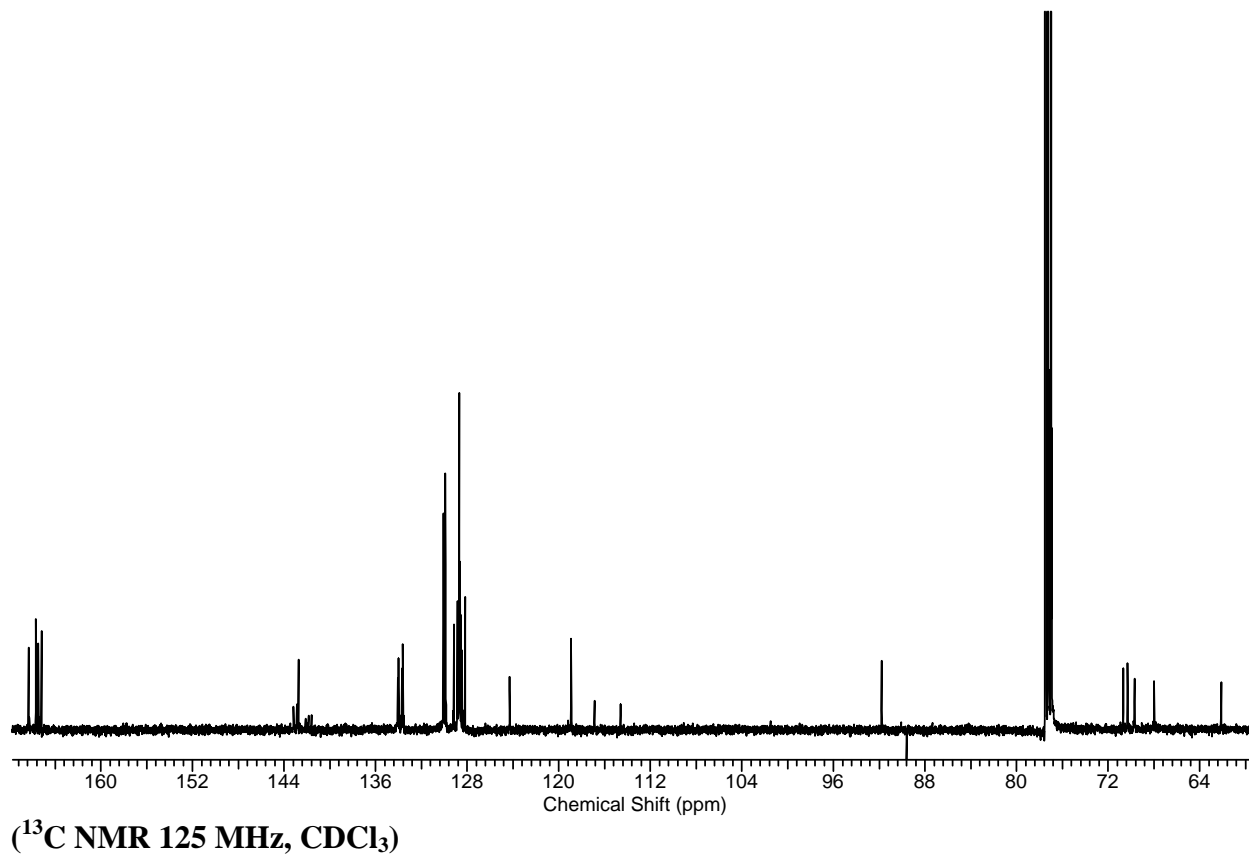
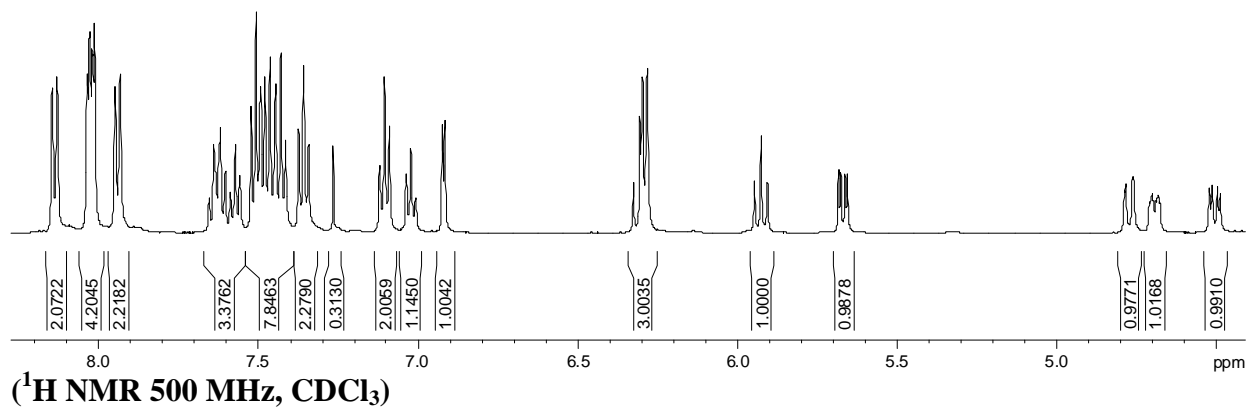
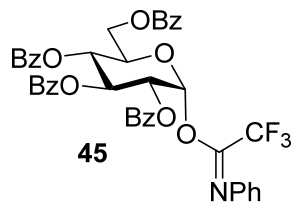
(<sup>1</sup>H NMR 300 MHz, CDCl<sub>3</sub>)

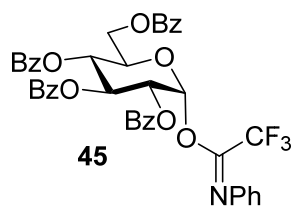


(<sup>13</sup>C NMR 150 MHz, CDCl<sub>3</sub>)

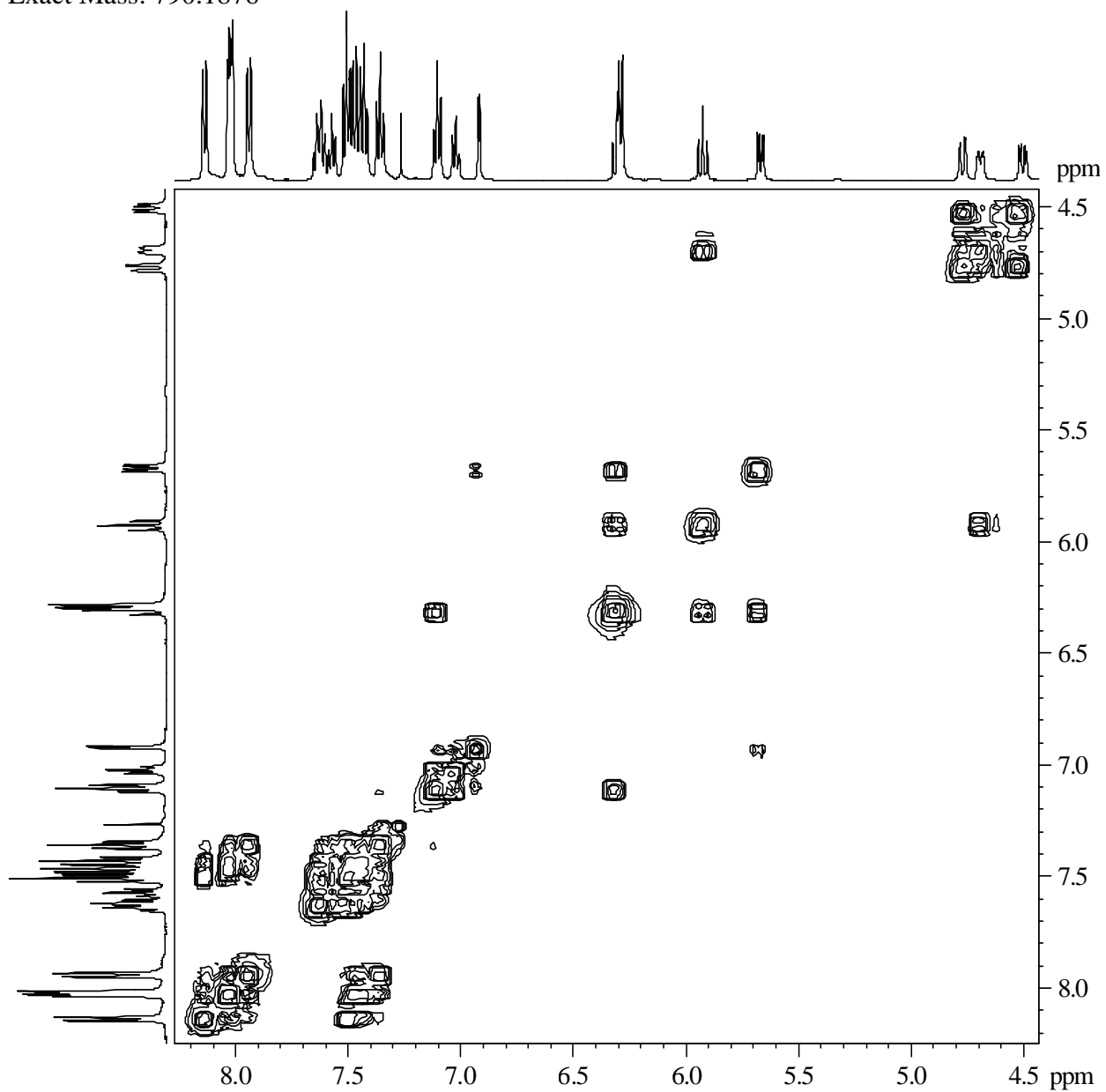


(2D NMR 300 MHz, CDCl<sub>3</sub>)





C<sub>42</sub>H<sub>32</sub>F<sub>3</sub>NNaO<sub>10</sub>  
Exact Mass: 790.1876



(2D NMR 500 MHz, CDCl<sub>3</sub>)