

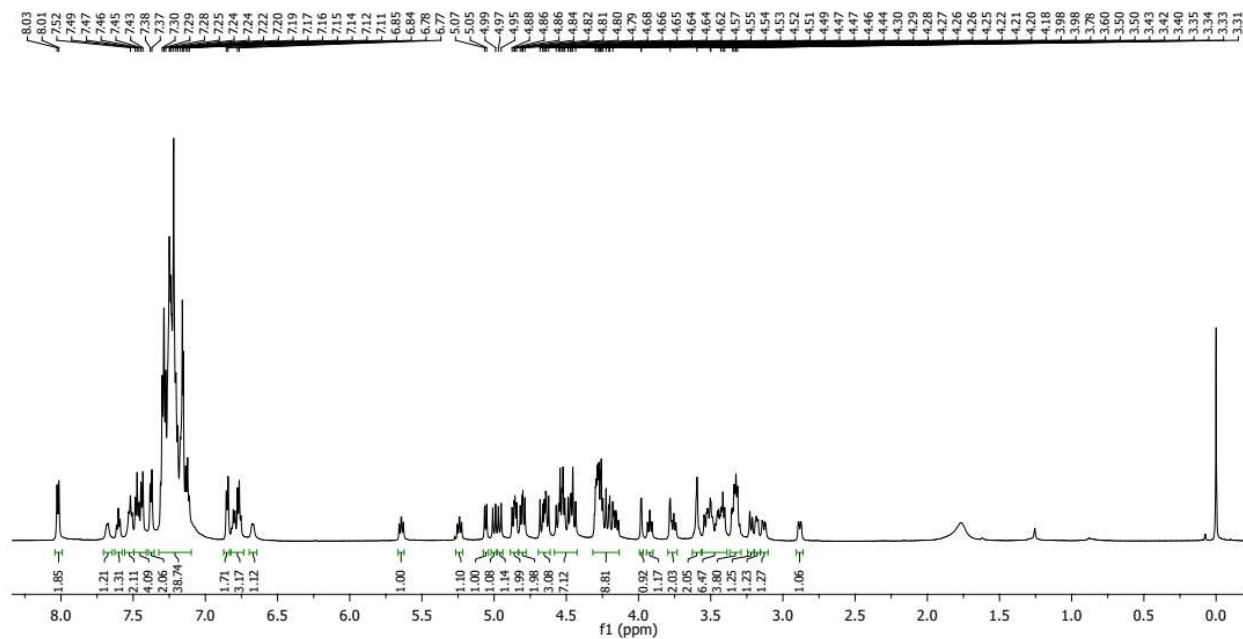
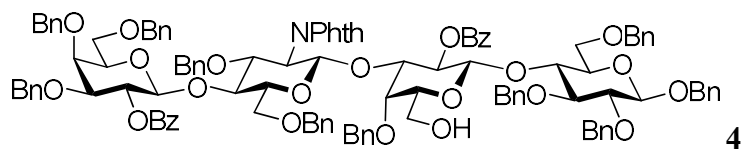
## **Supporting Information**

### **The chemical synthesis of human milk oligosaccharides: lacto-*N*-neohexaose (Gal $\beta$ 1 $\rightarrow$ 4GlcNAc $\beta$ 1 $\rightarrow$ )<sub>2</sub> 3,6Gal $\beta$ 1 $\rightarrow$ 4Glc**

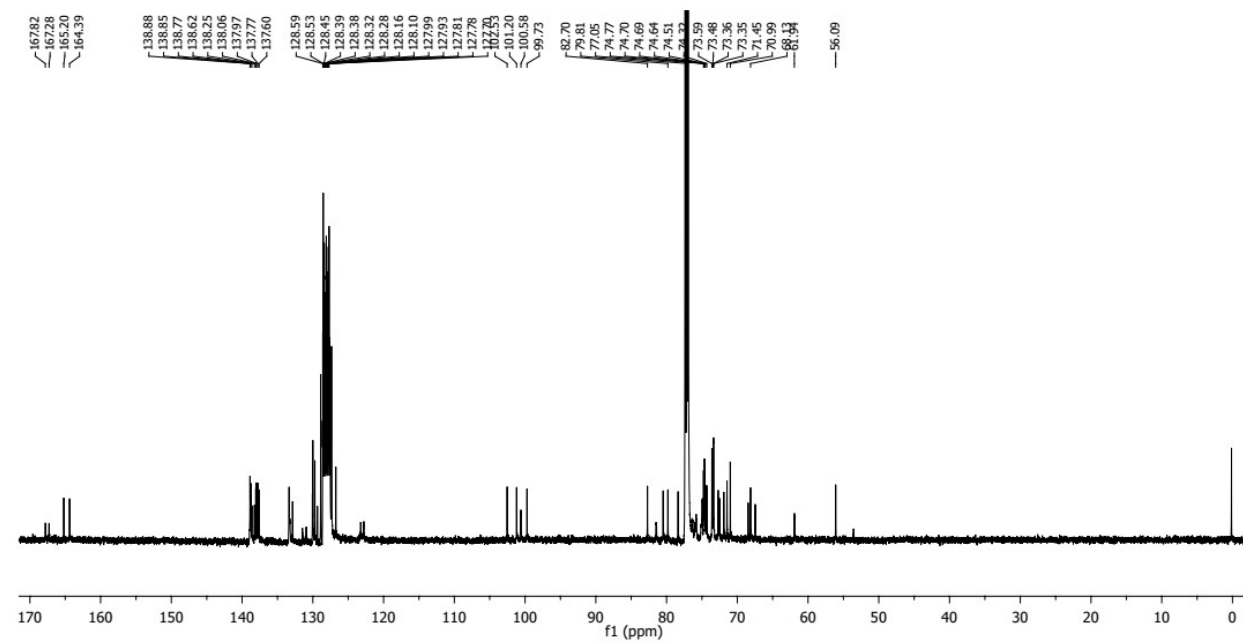
Mithila D. Bandara, Keith J. Stine, and Alexei V. Demchenko\*

*Department of Chemistry and Biochemistry, University of Missouri – St. Louis, One University  
Boulevard, St. Louis, Missouri 63121, USA; [demchenkoa@umsl.edu](mailto:demchenkoa@umsl.edu)*

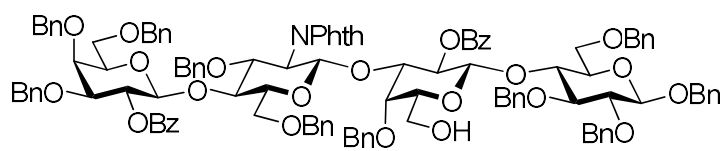
## NMR Spectra



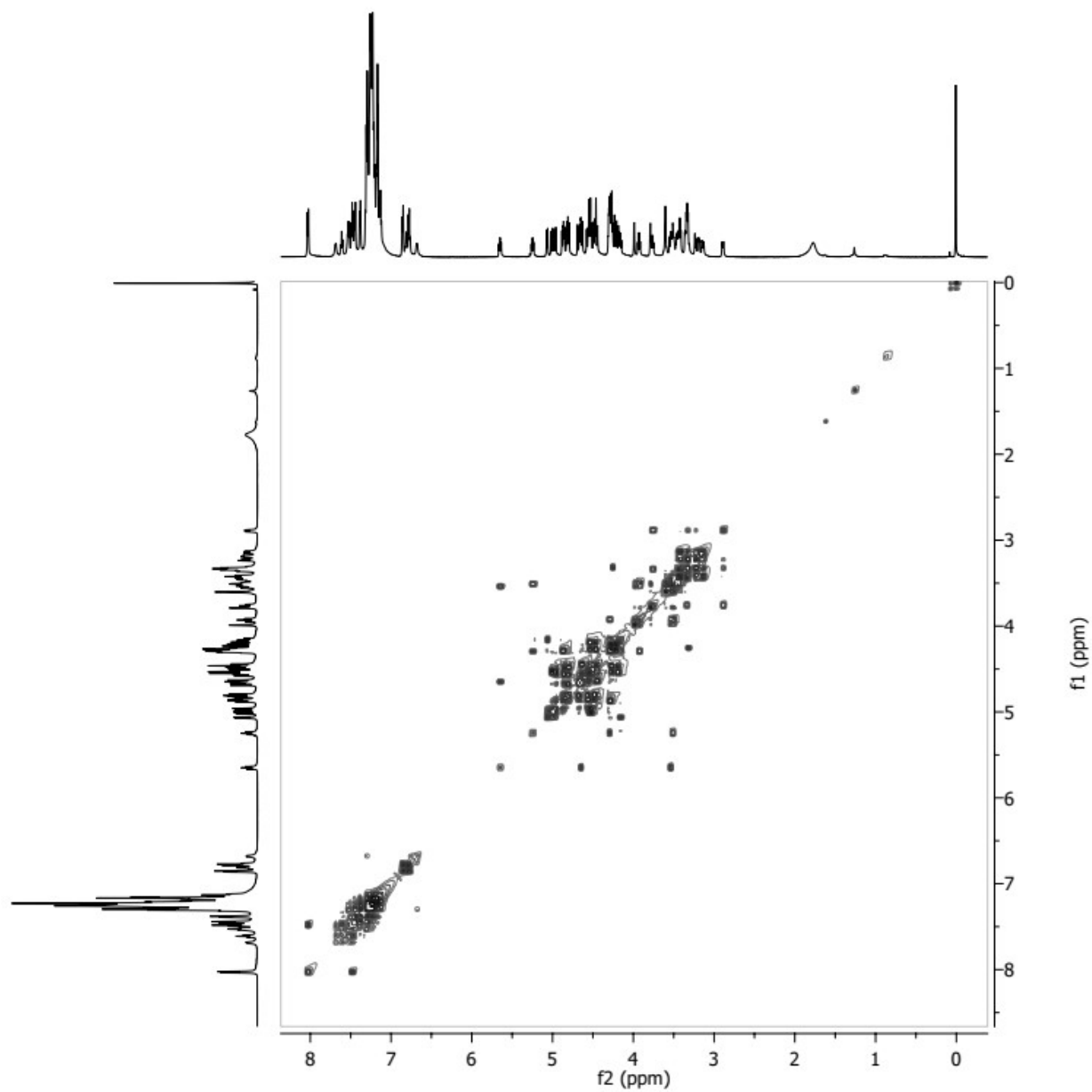
CDCl<sub>3</sub> 600 MHz



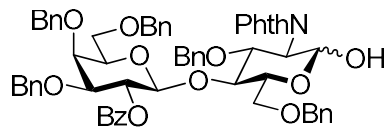
CDCl<sub>3</sub> 151 MHz



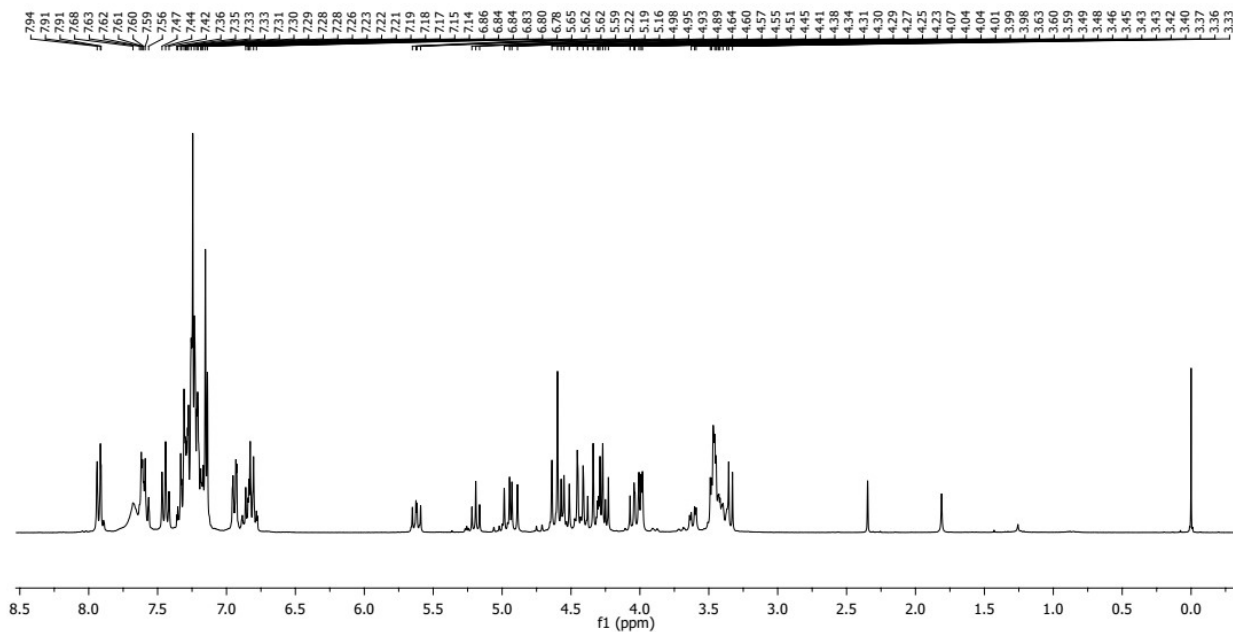
4



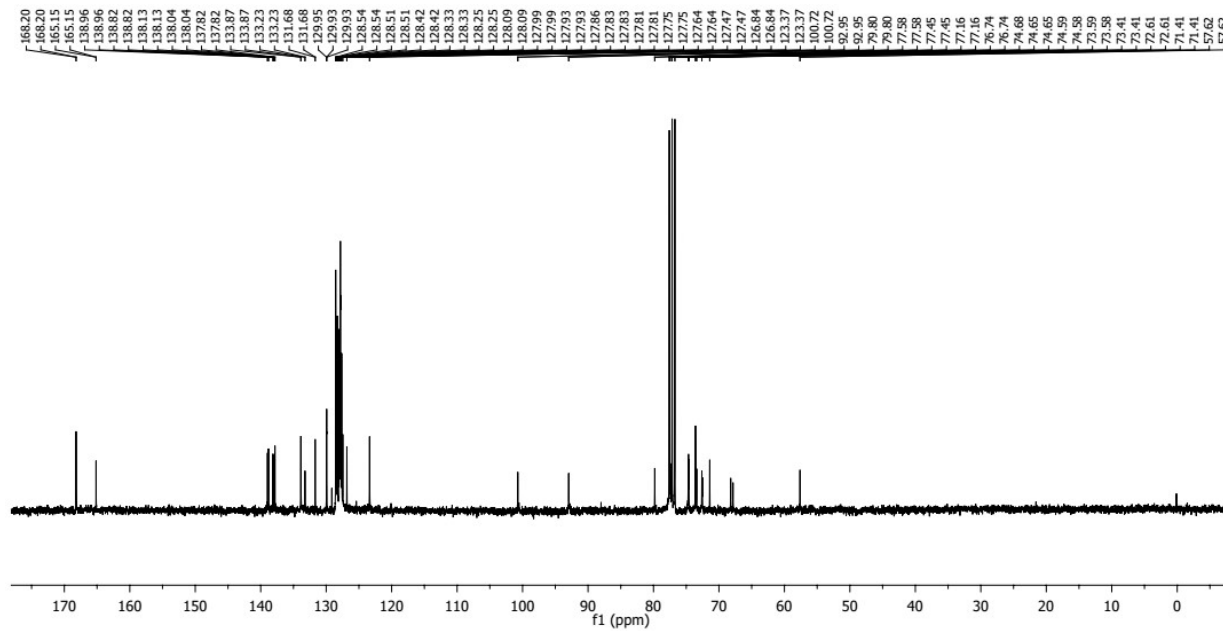
CDCl<sub>3</sub> 600 MHz



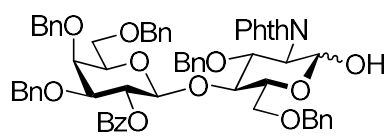
8



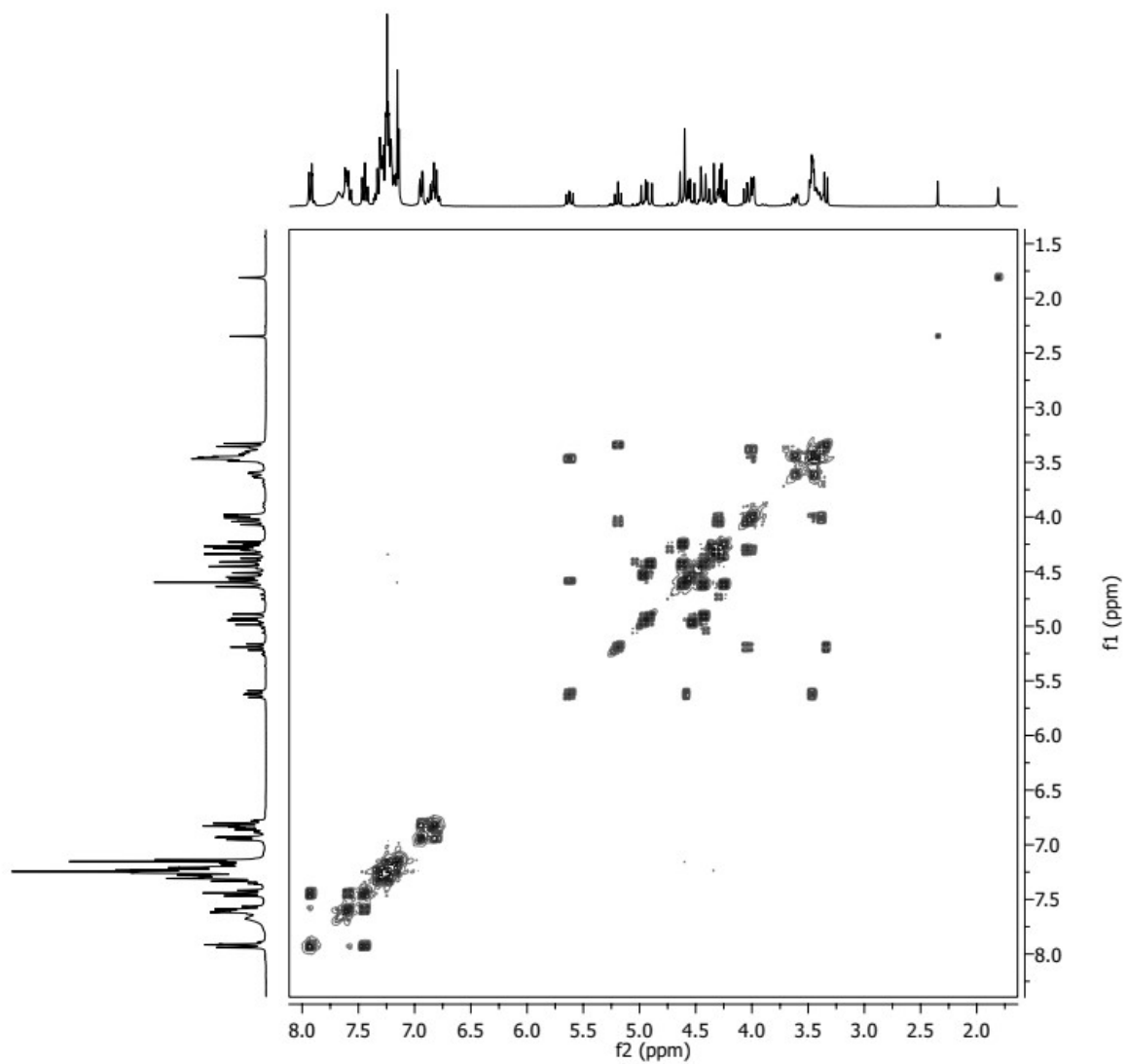
CDCl<sub>3</sub> 300 MHz



CDCl<sub>3</sub> 75 MHz

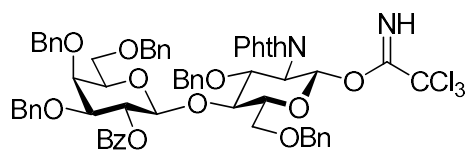


8

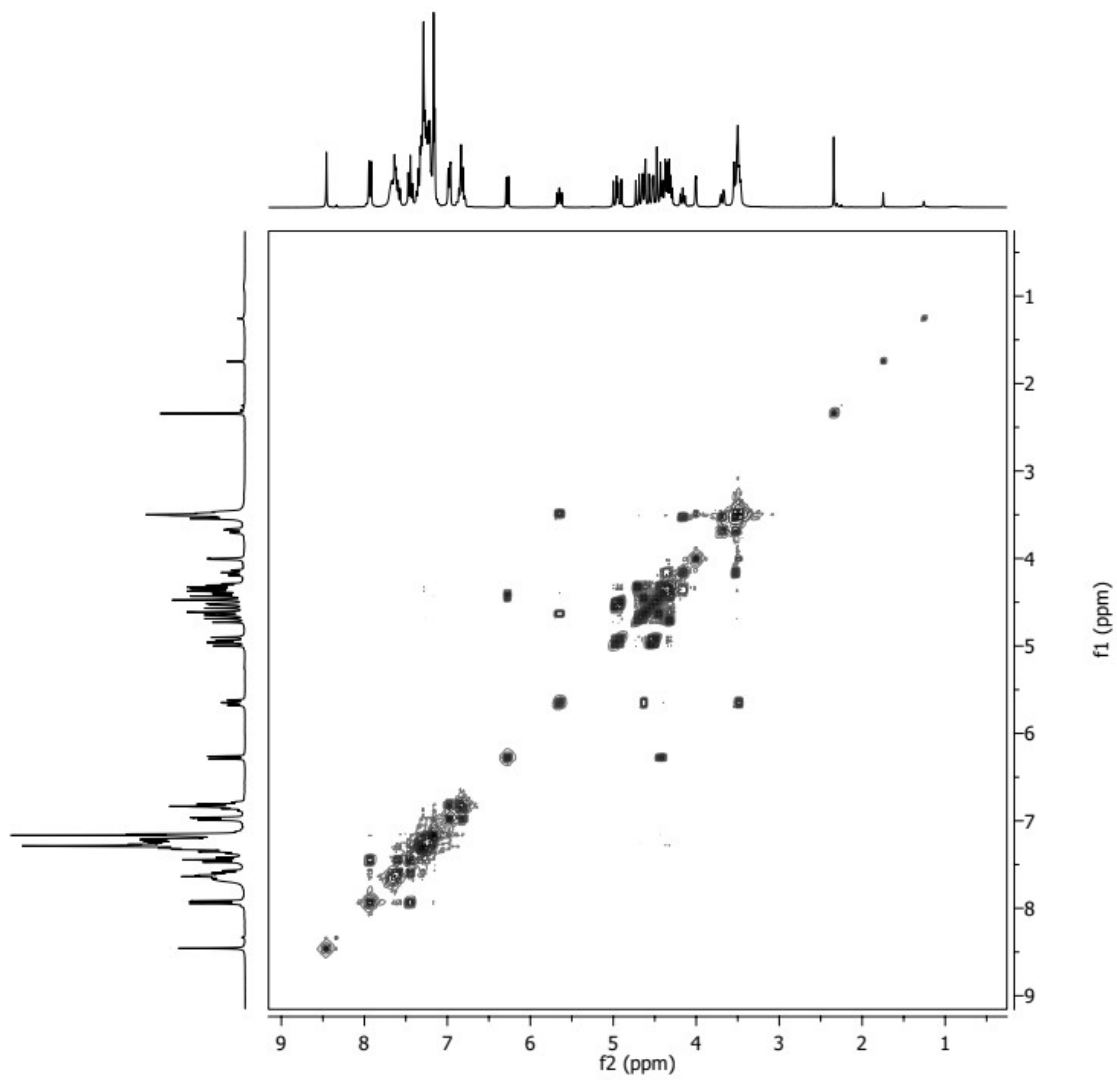


CDCl<sub>3</sub> 300 MHz



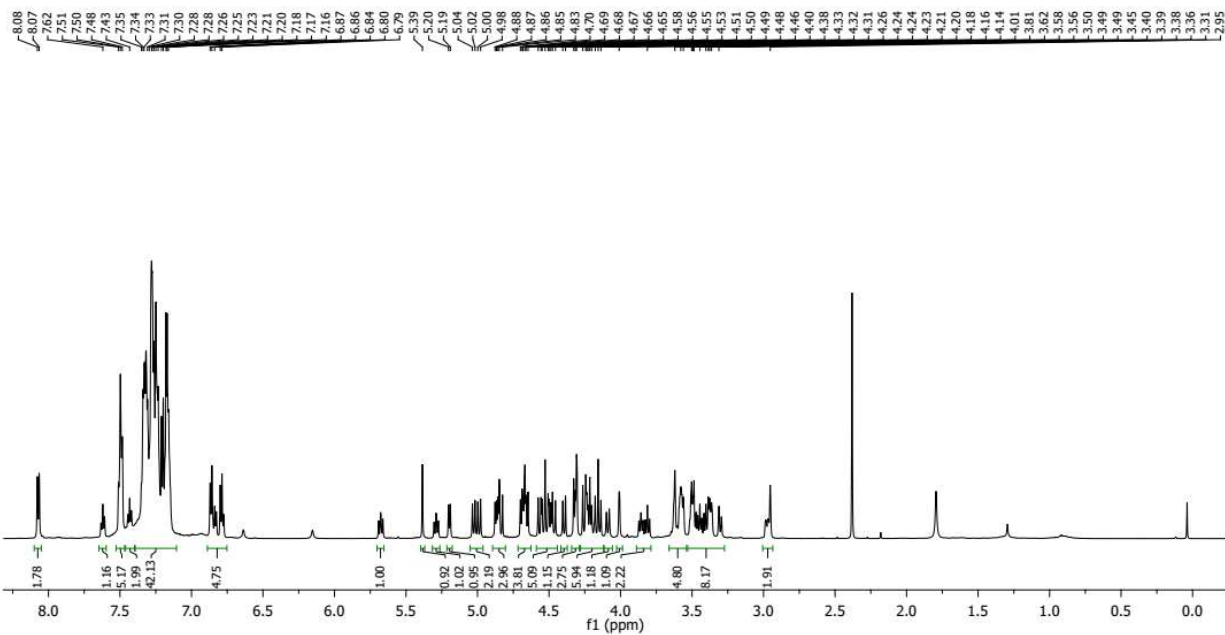
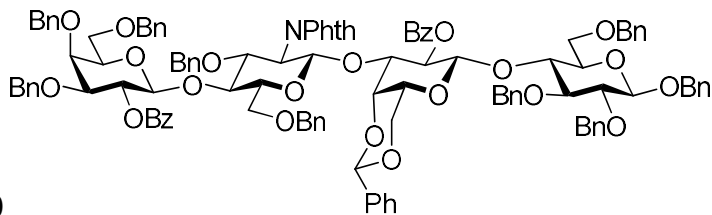


9

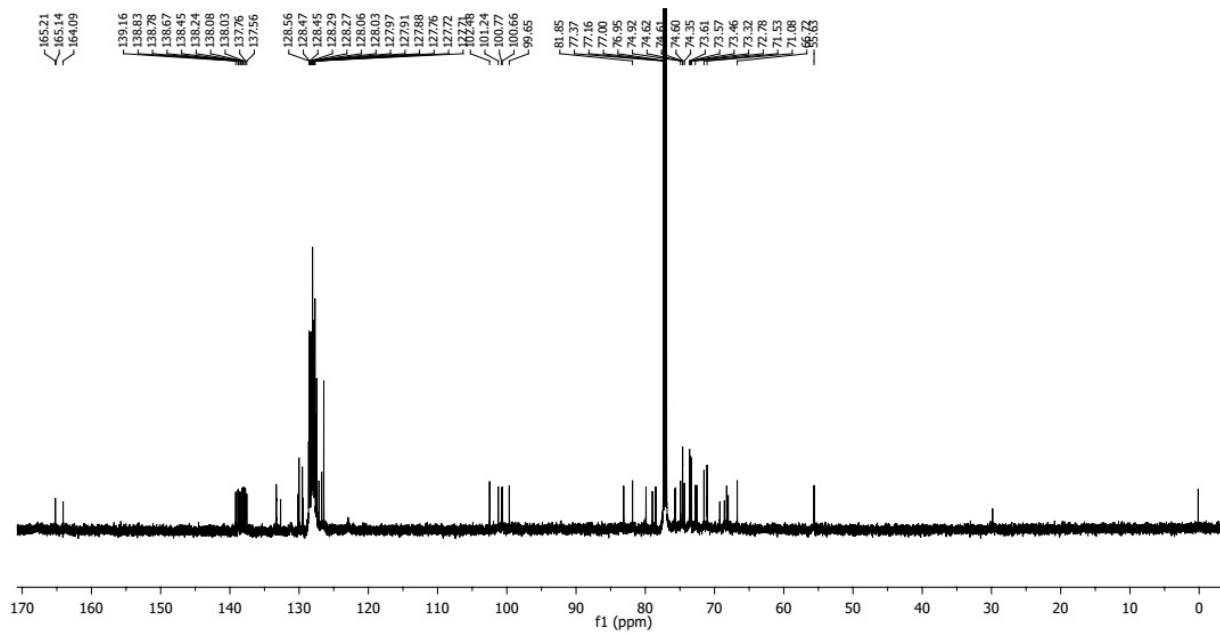


CDCl<sub>3</sub> 300 MHz

10



CDCl<sub>3</sub> 600 MHz

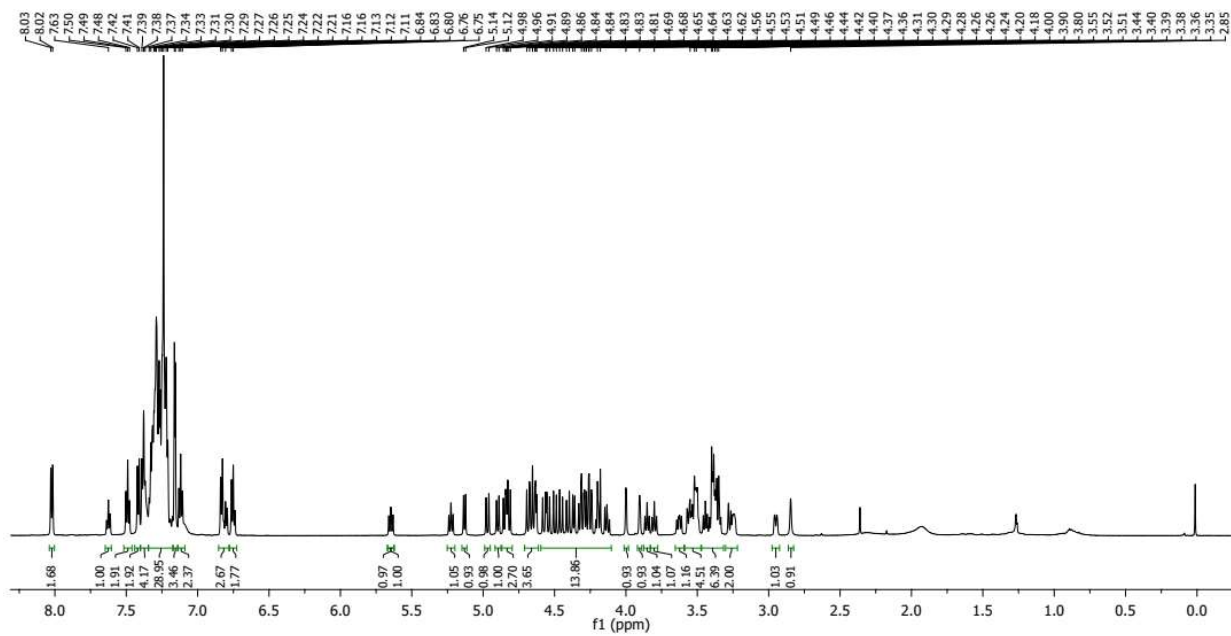
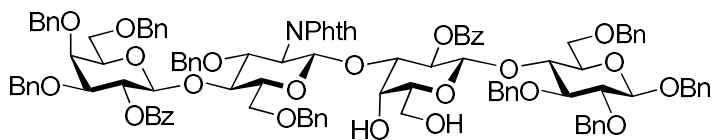


CDCl<sub>3</sub> 151 MHz

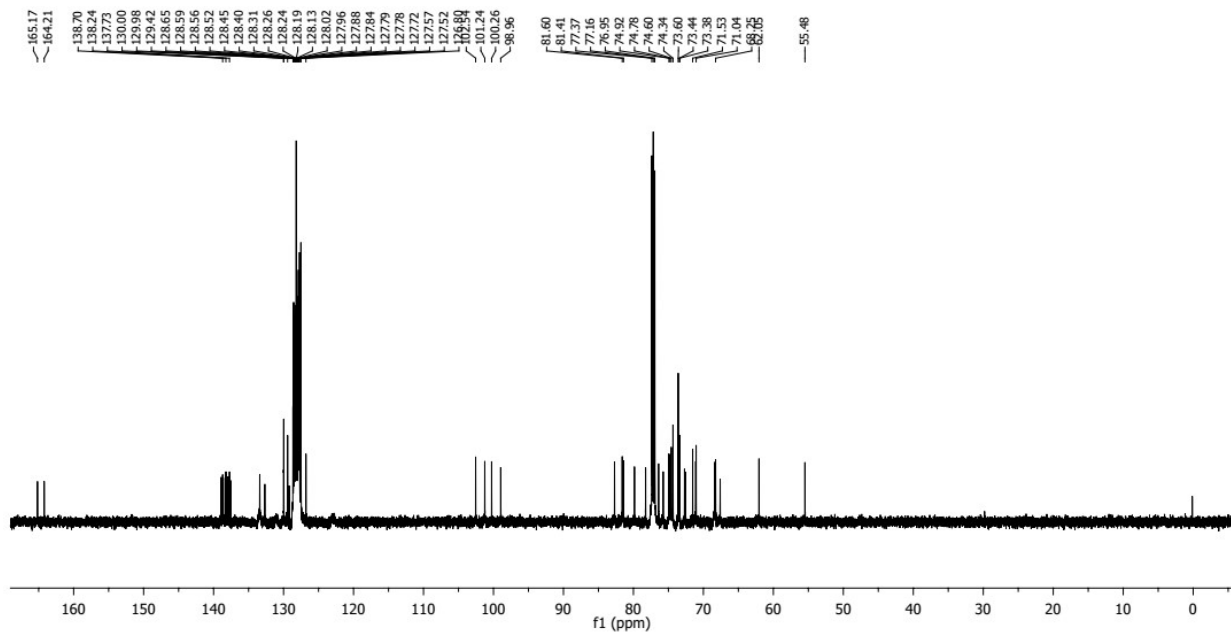




11



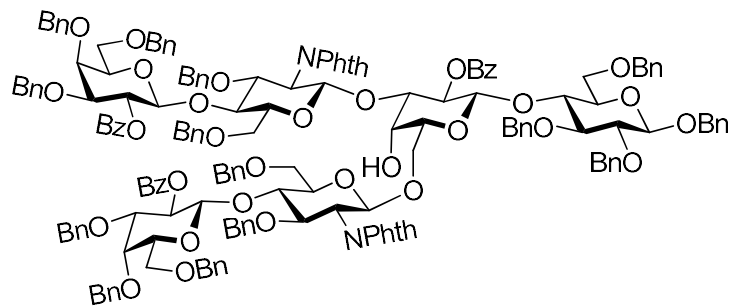
CDCl<sub>3</sub> 600 MHz



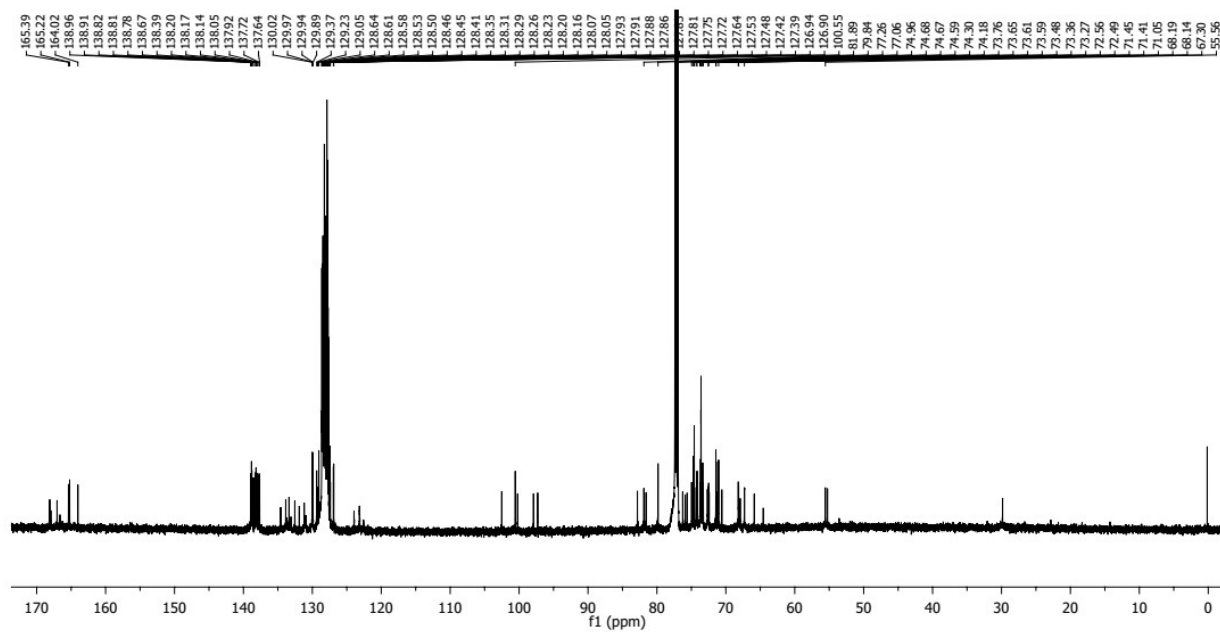
CDCl<sub>3</sub> 151 MHz





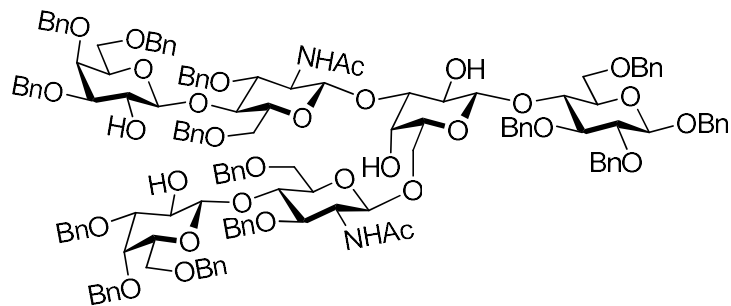


12

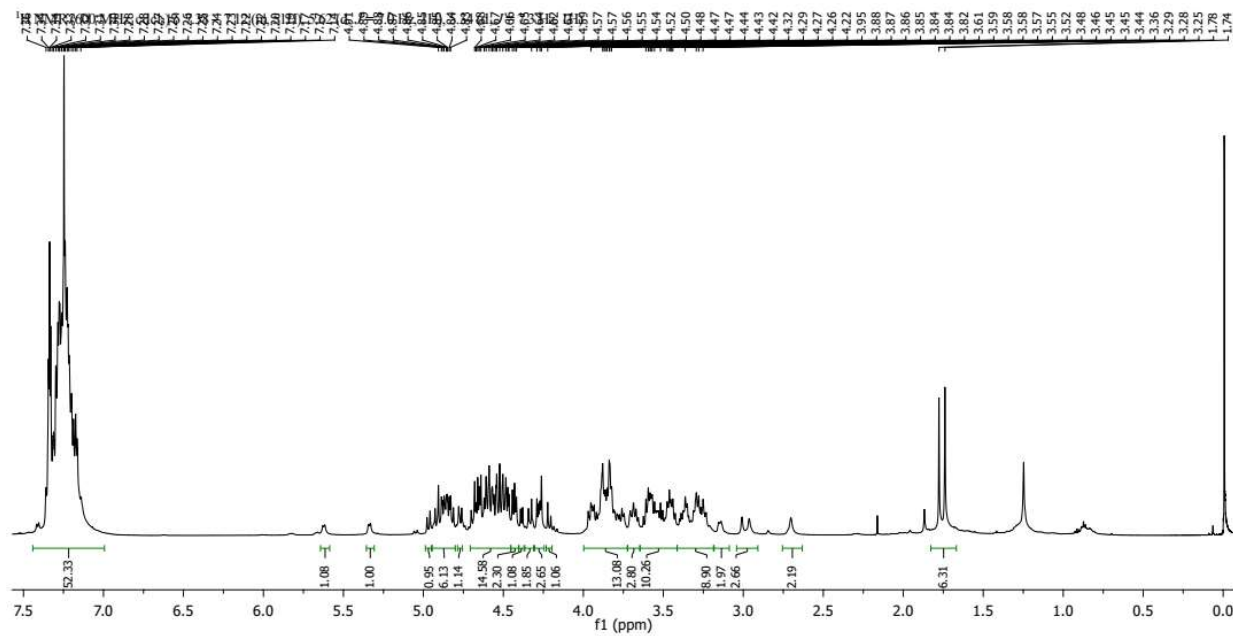


CDCl<sub>3</sub> 151 MHz





13

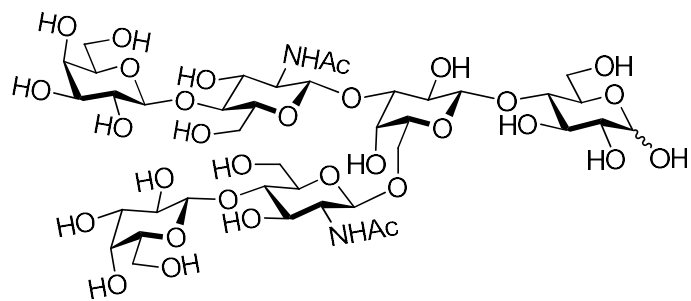


CDCl<sub>3</sub> 600 MHz

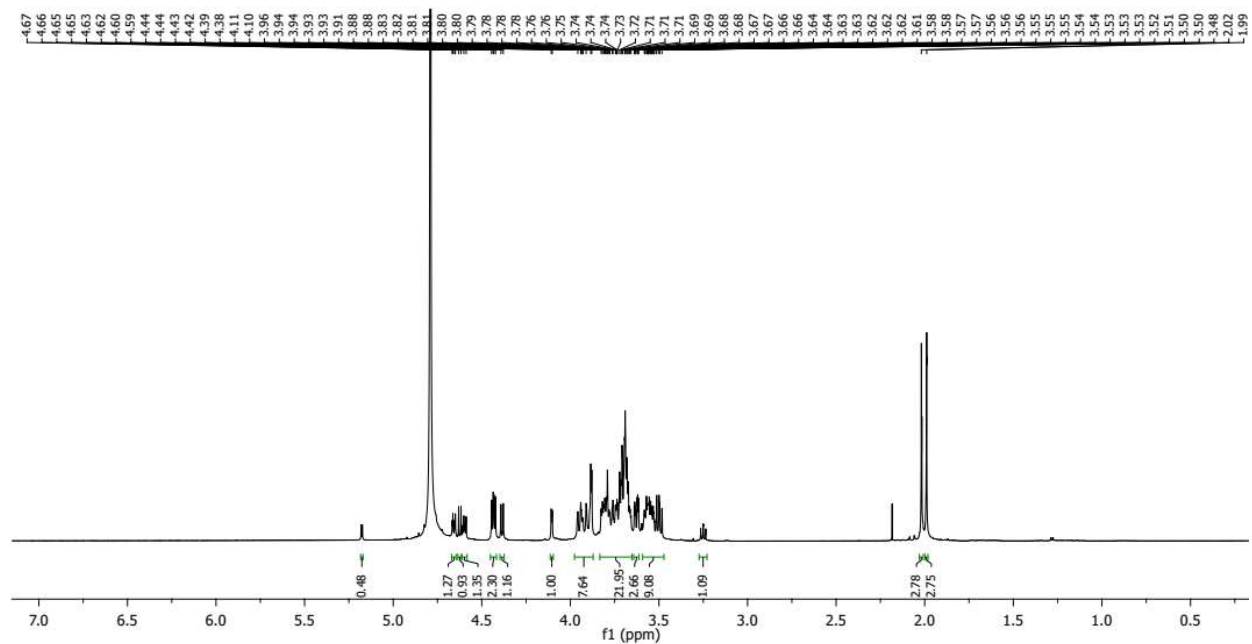




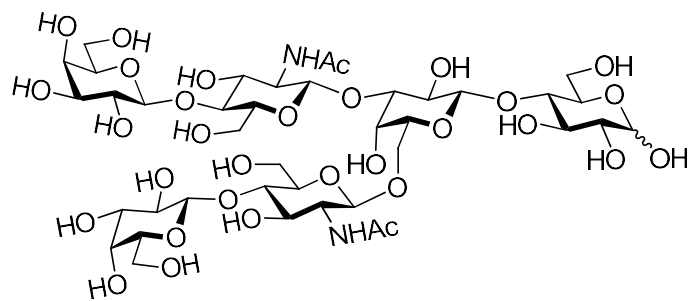




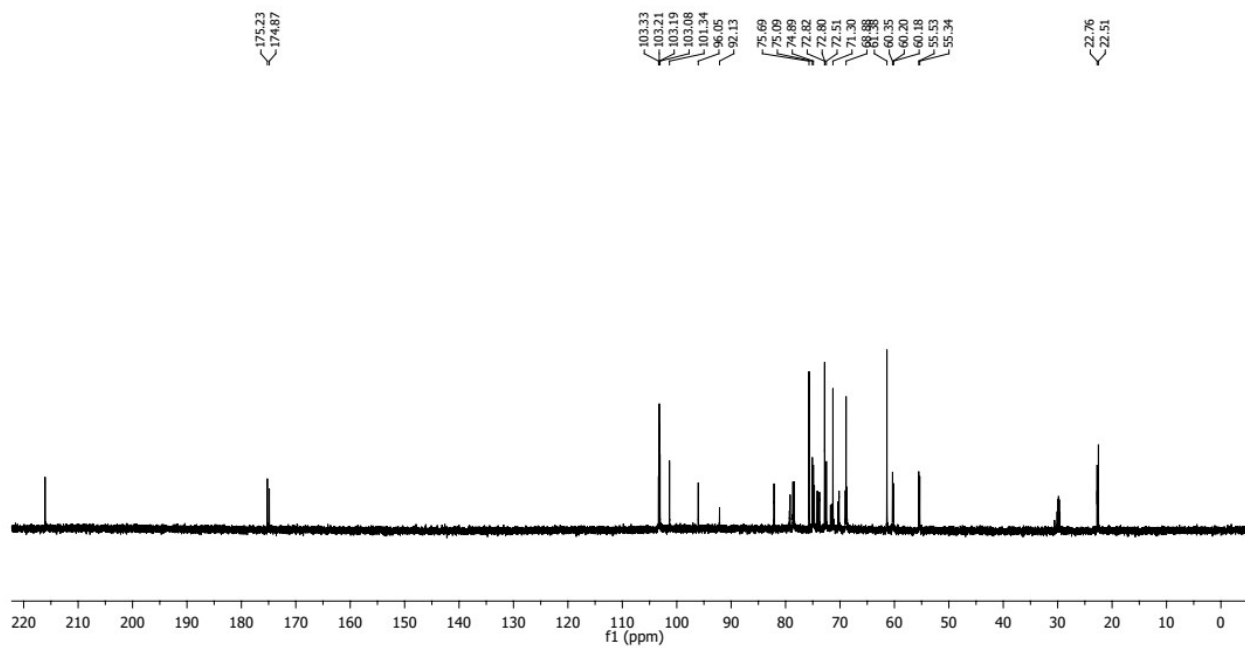
1



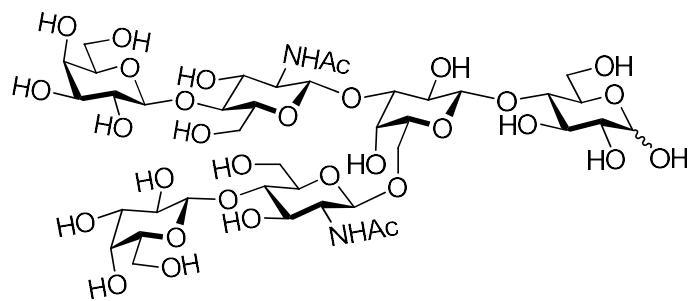
D<sub>2</sub>O 600 MHz



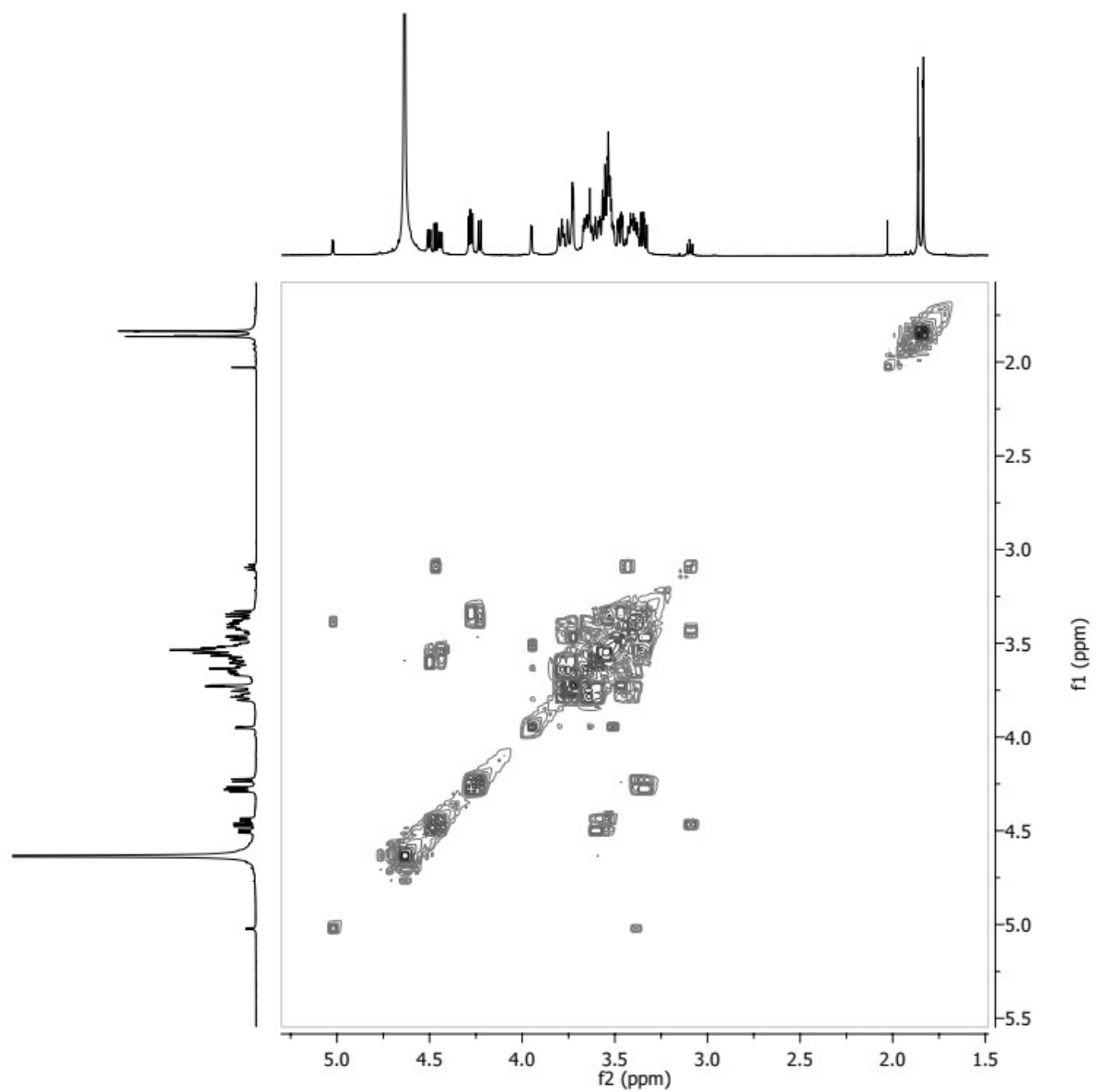
1



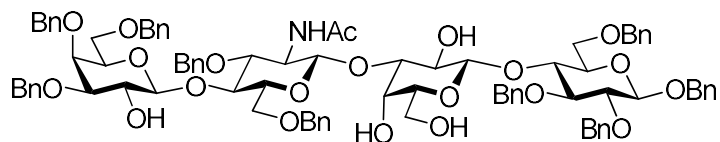
D<sub>2</sub>O 151 MHz



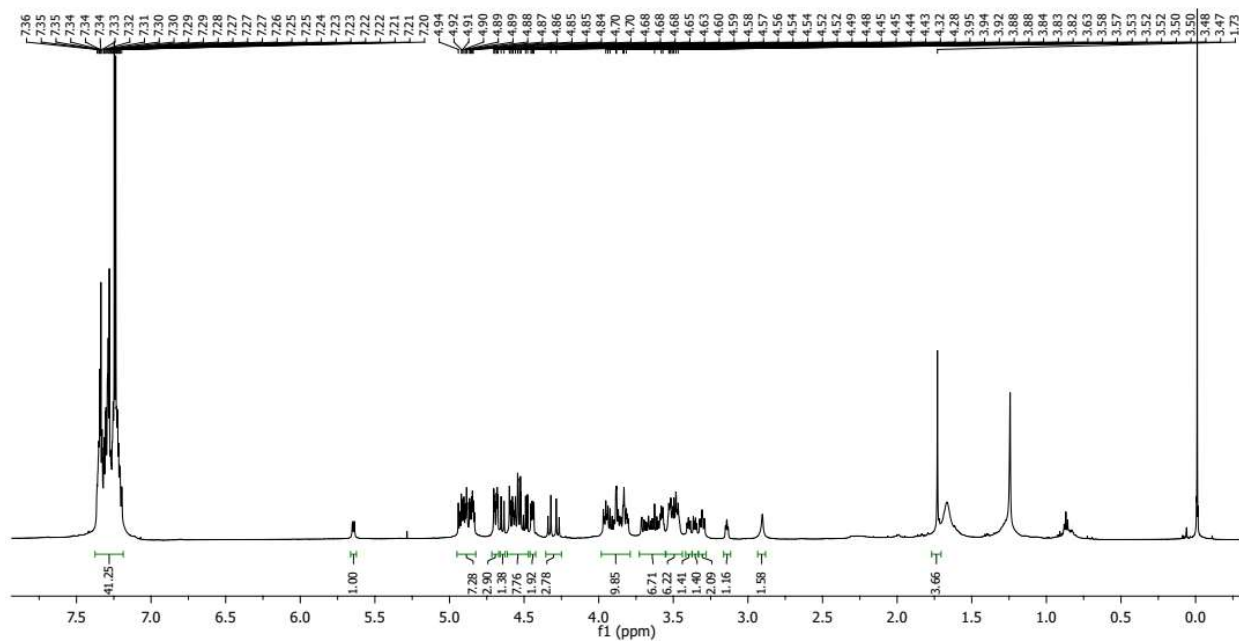
1



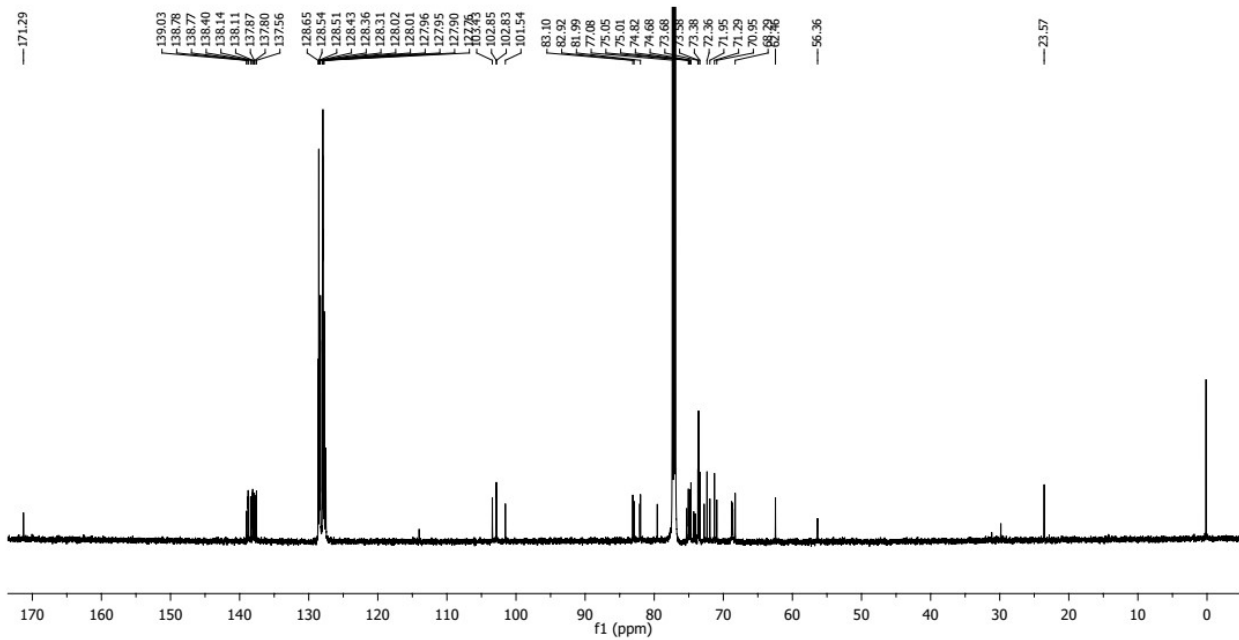
D<sub>2</sub>O 600 MHz



14



CDCl<sub>3</sub> 600 MHz



CDCl<sub>3</sub> 151 MHz

