

Supporting Information

SFox imidates as versatile glycosyl donors for chemical glycosylation

Alessandra Damico,^a Ganesh Shrestha,^b Anupama Das,^a Keith J. Stine,^b and Alexei V. Demchenko^{a,b,*}

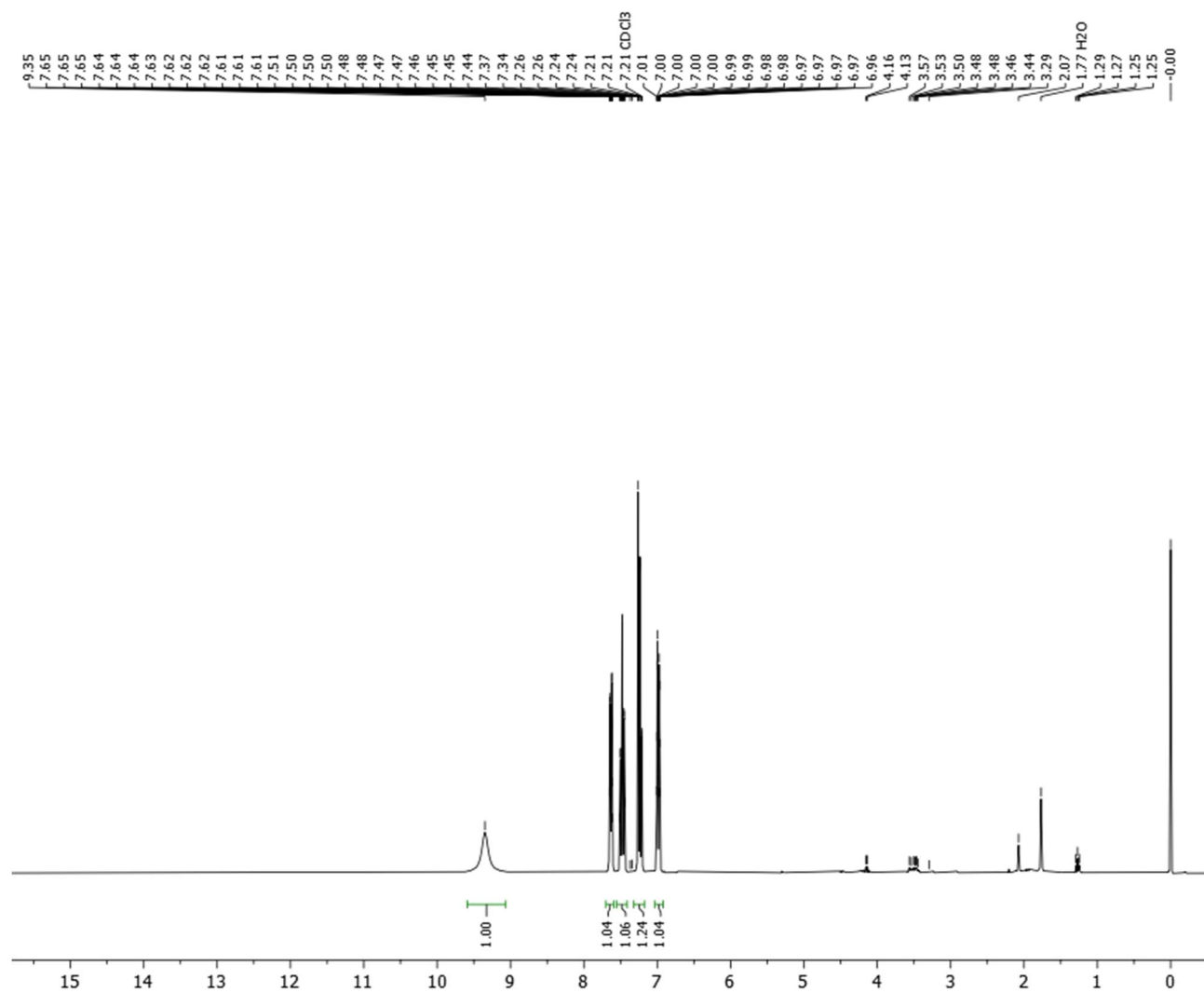
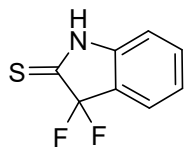
^a Department of Chemistry, Saint Louis University, 3501 Laclede Ave, St. Louis, Missouri, 63103, USA; e-mail: alexei.demchenko@slu.edu

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

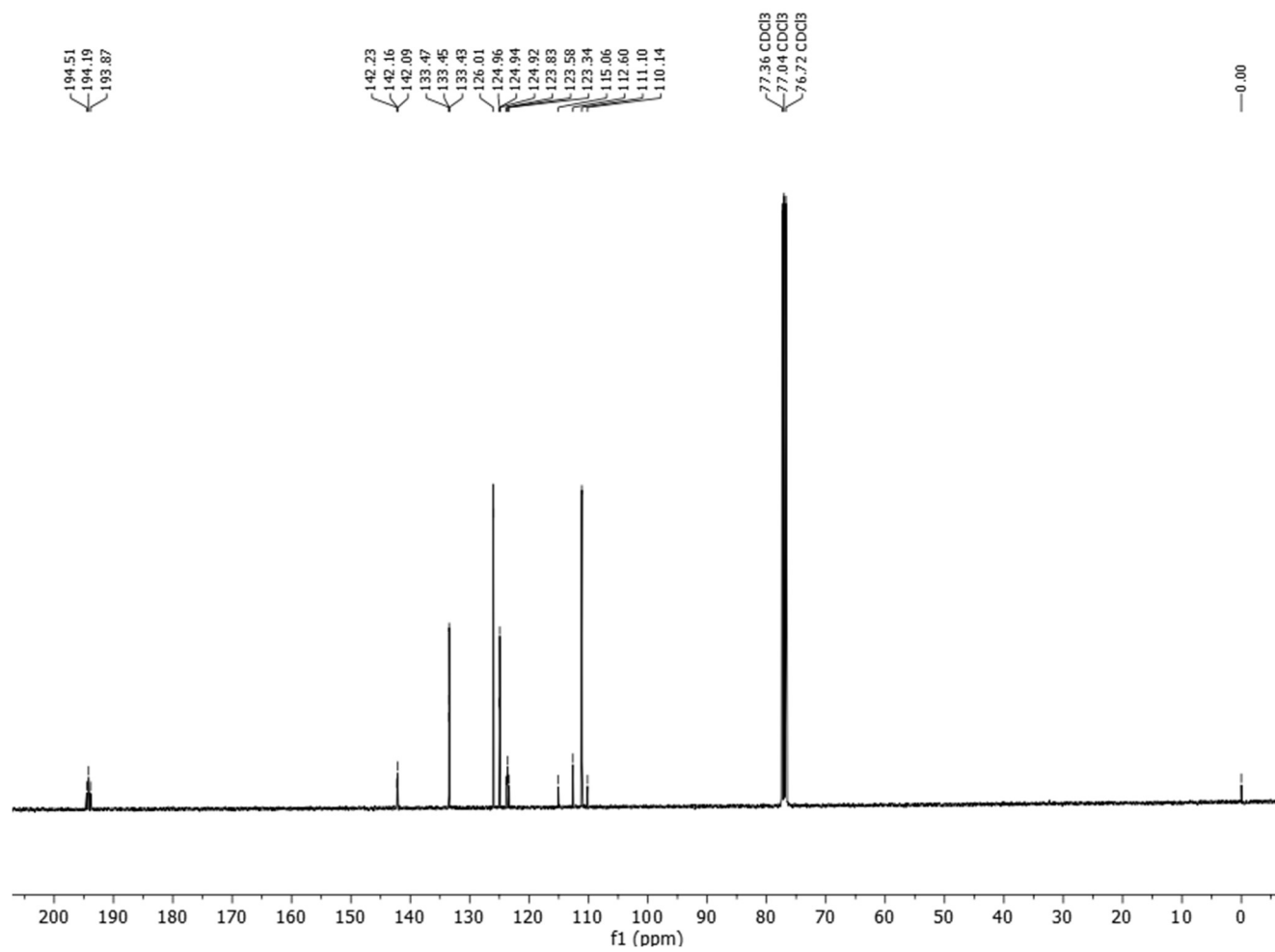
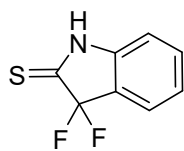
Contents:

NMR spectra of new compounds	S2
¹ H NMR spectra of known disaccharides	S25

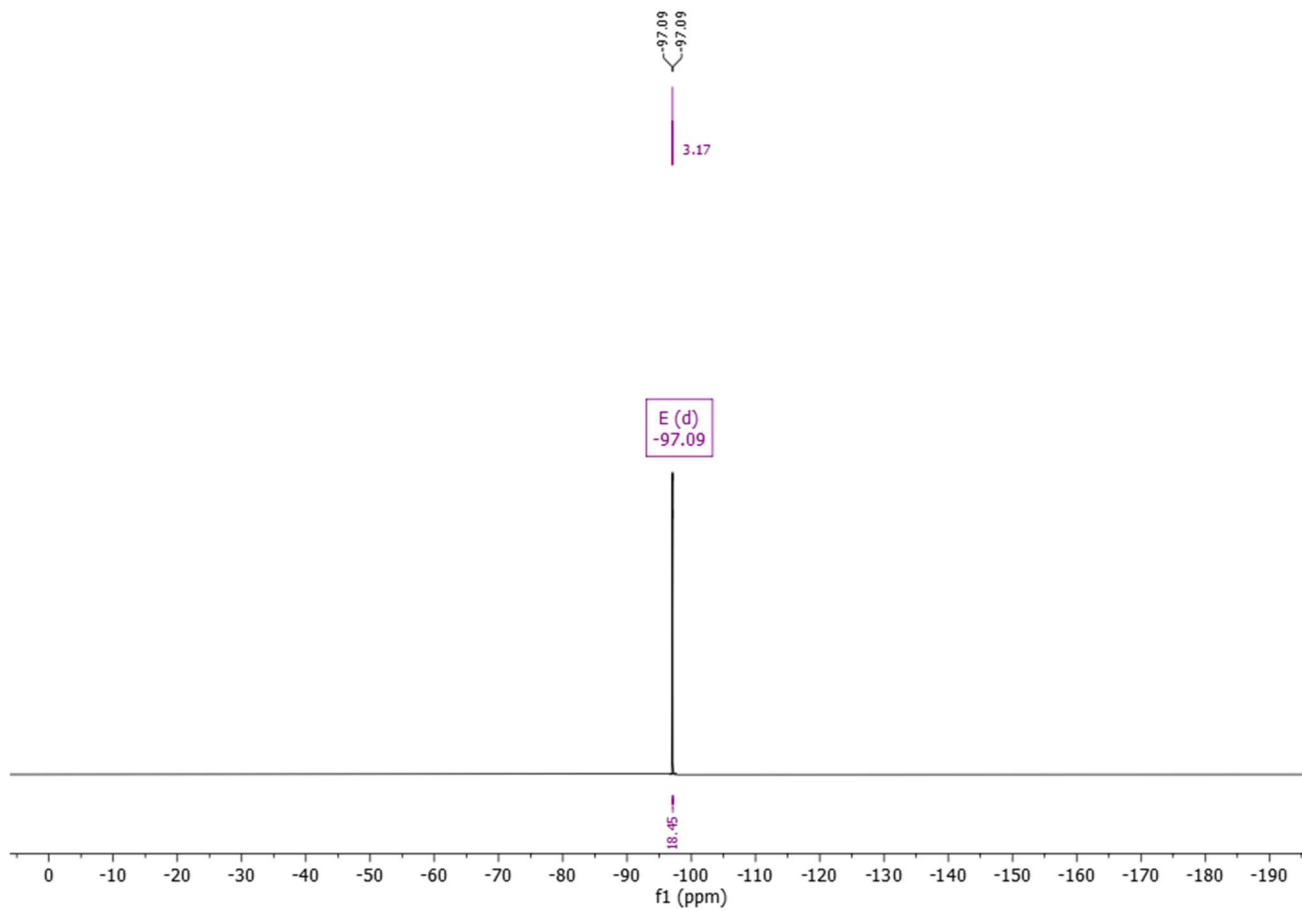
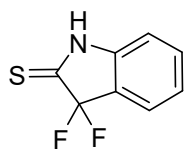
NMR Spectra of new compounds



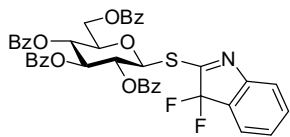
¹H NMR (300 MHz, CDCl₃)



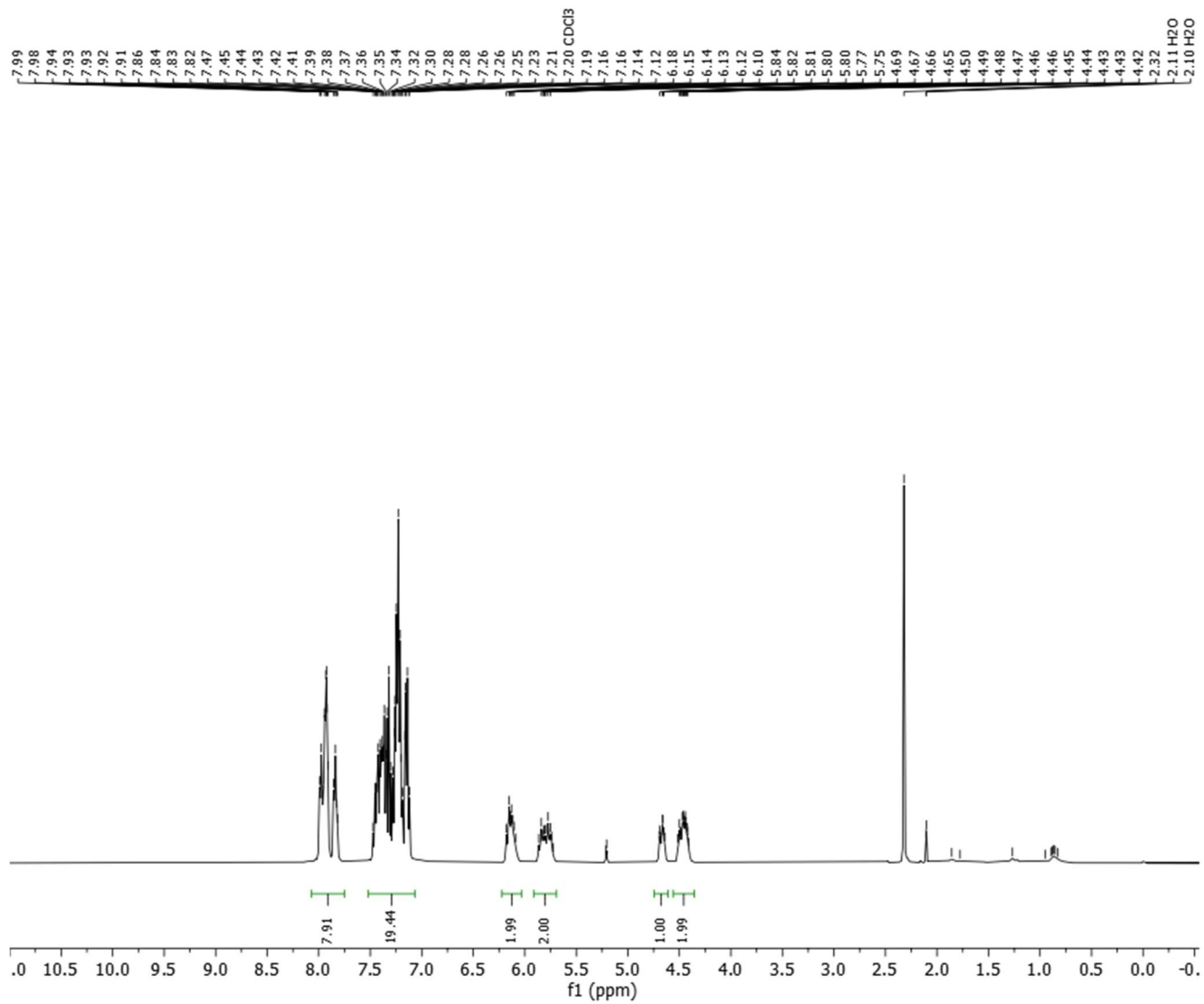
^{13}C NMR (75 MHz, CDCl_3)



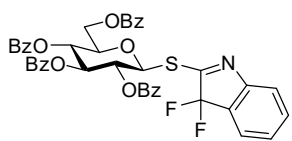
^{19}F NMR (376 MHz, CDCl_3)



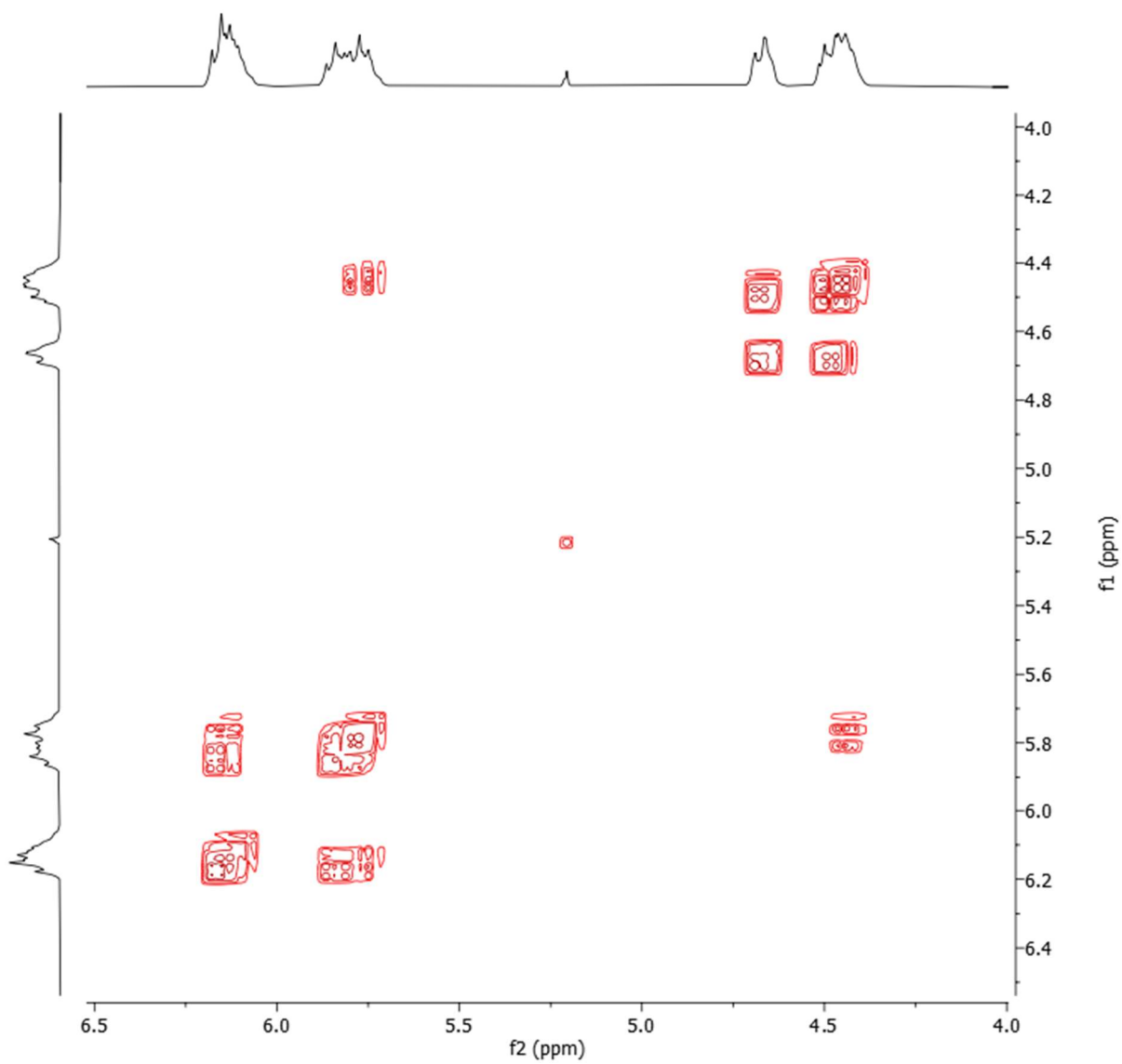
2



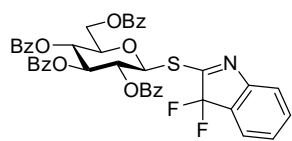
¹H NMR (300 MHz, CDCl₃)



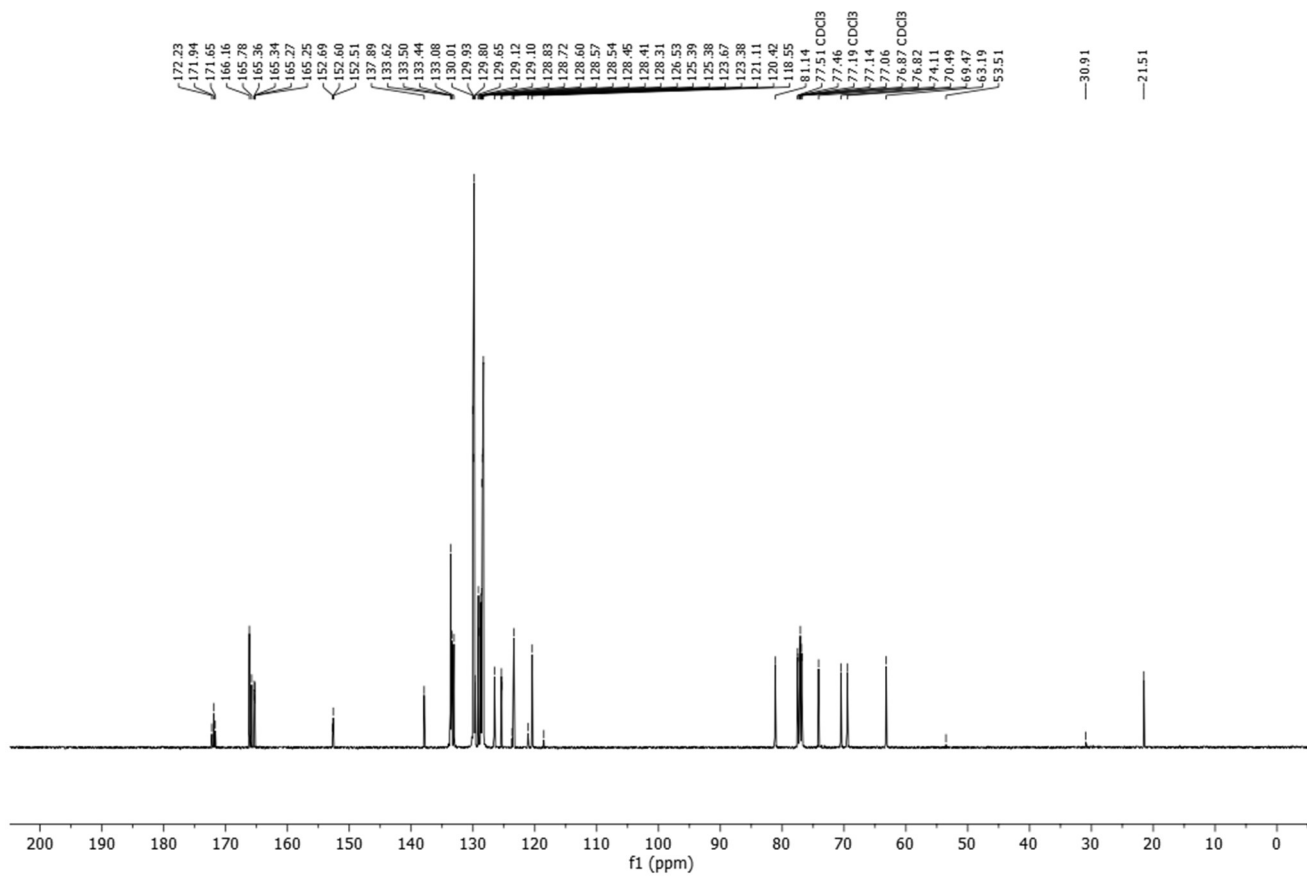
2



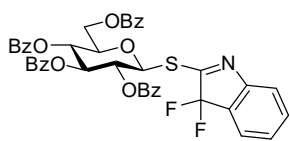
COSY (300 MHz, CDCl₃)



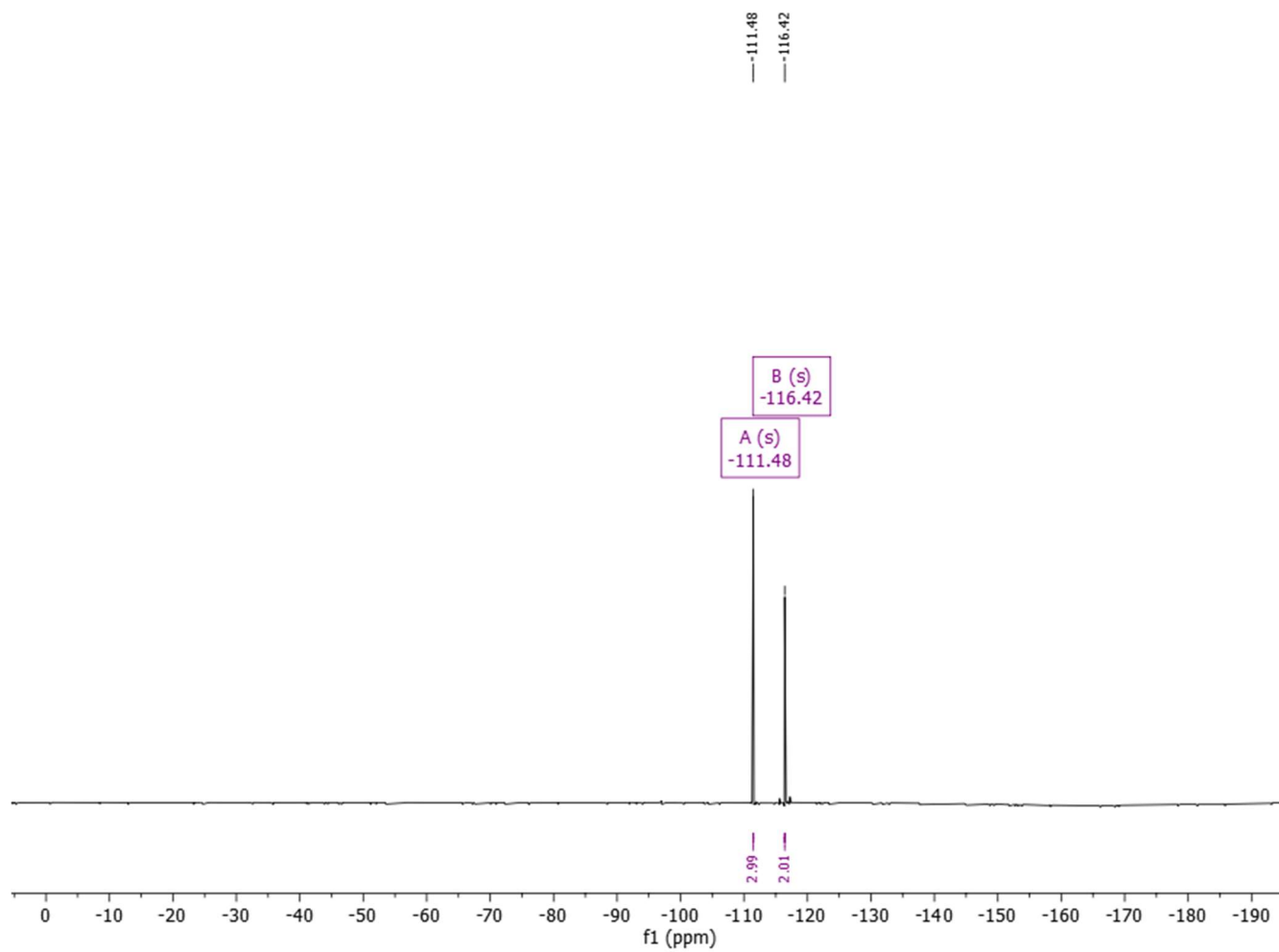
2



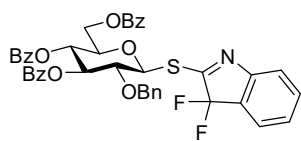
^{13}C NMR (101 MHz, CDCl_3)



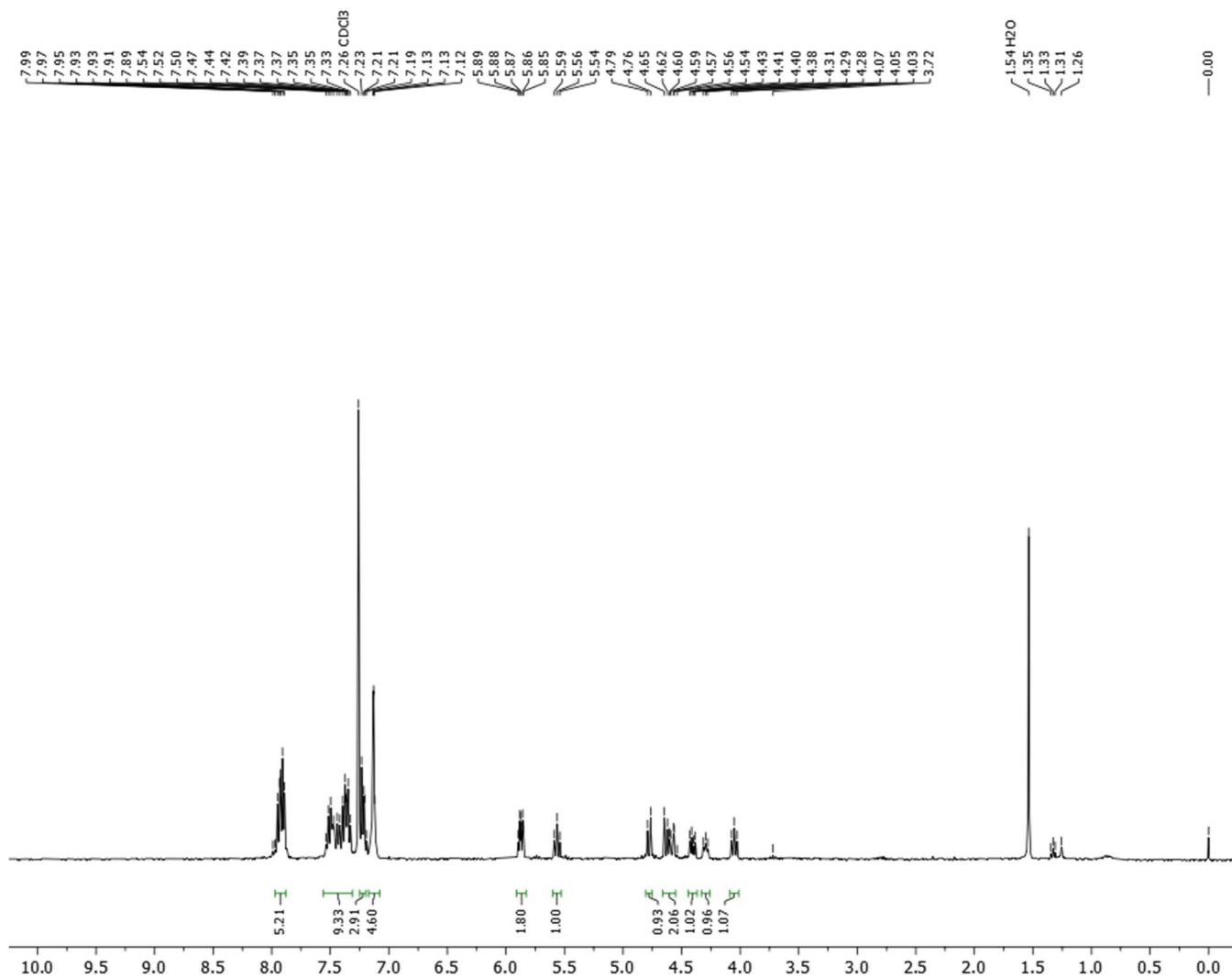
2



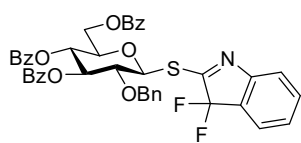
^{19}F NMR (376 MHz, CDCl_3)



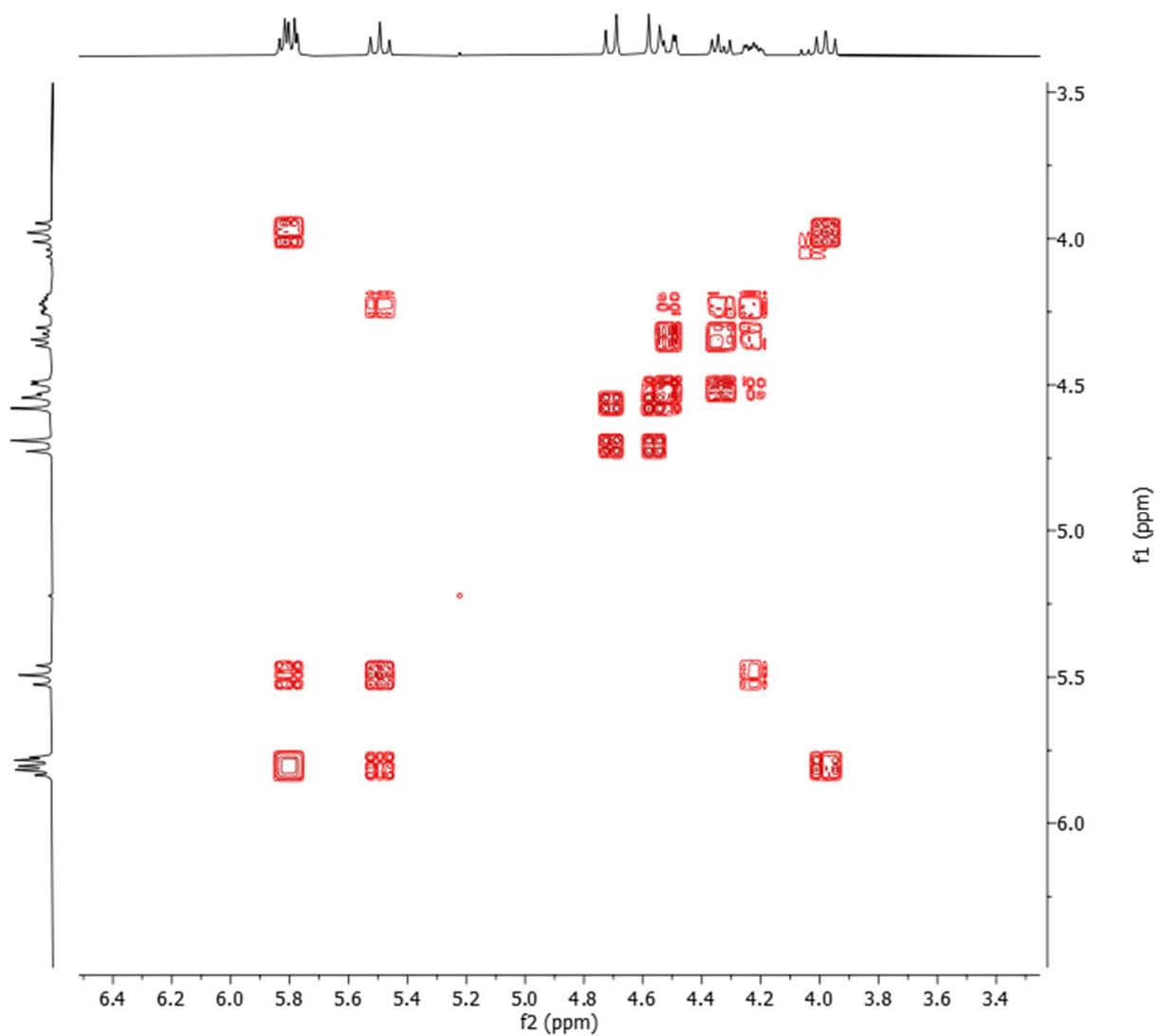
4



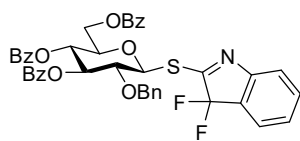
¹H NMR (400 MHz, CDCl₃)



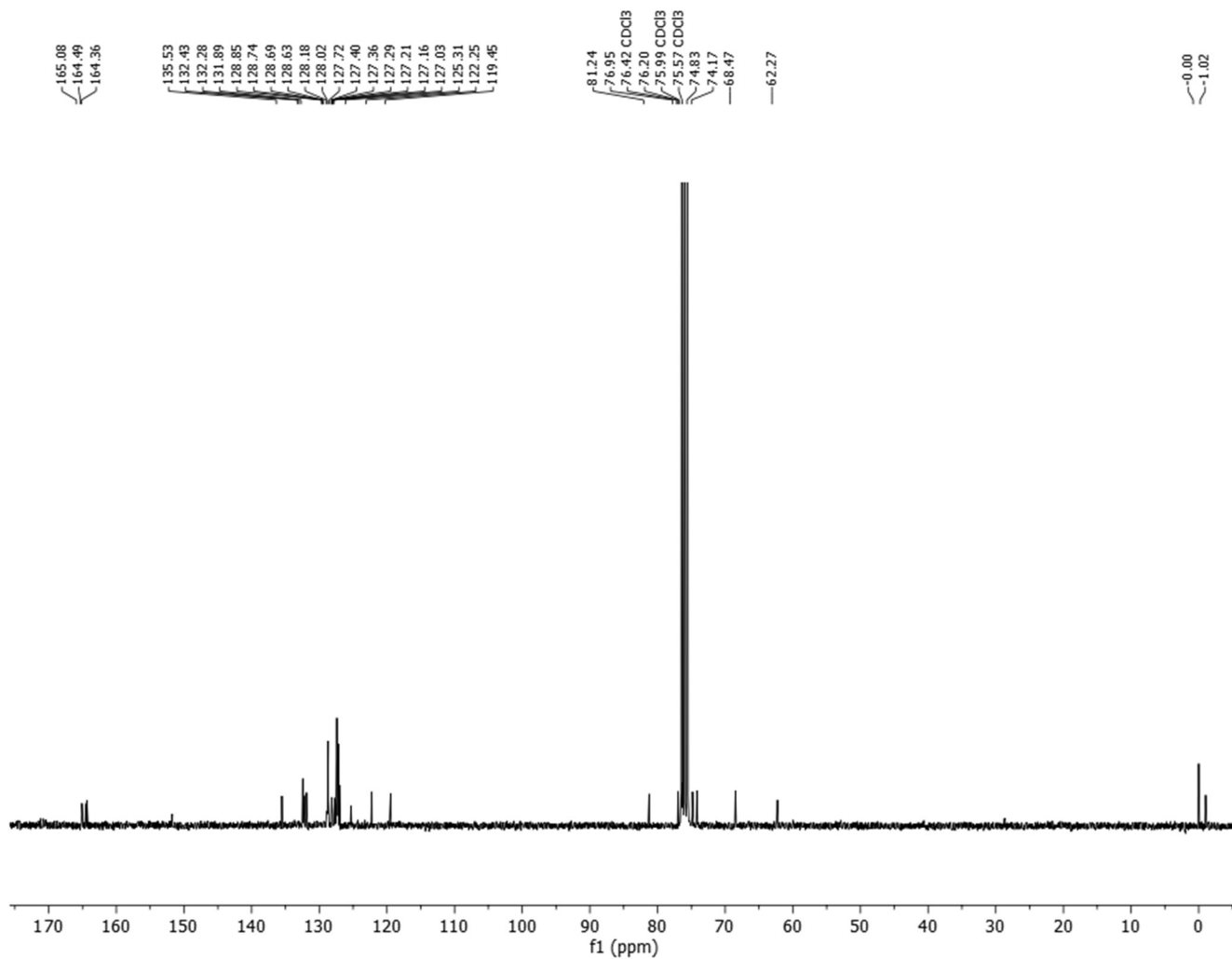
4



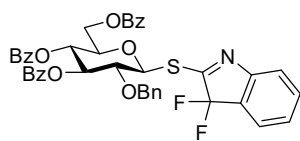
COSY (300 MHz, CDCl₃)



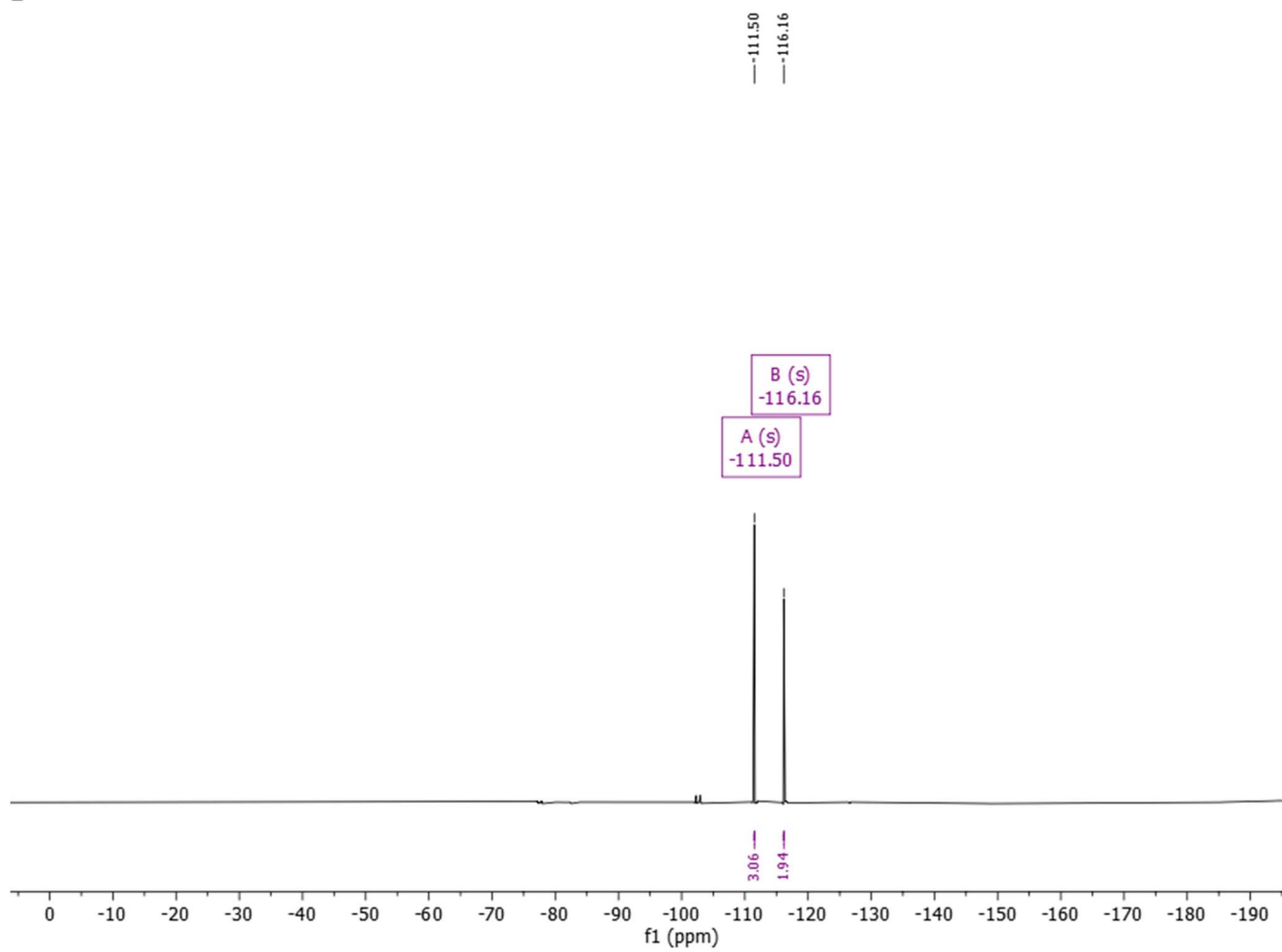
4



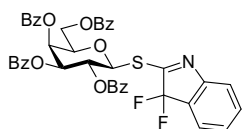
^{13}C NMR (75 MHz, CDCl_3)



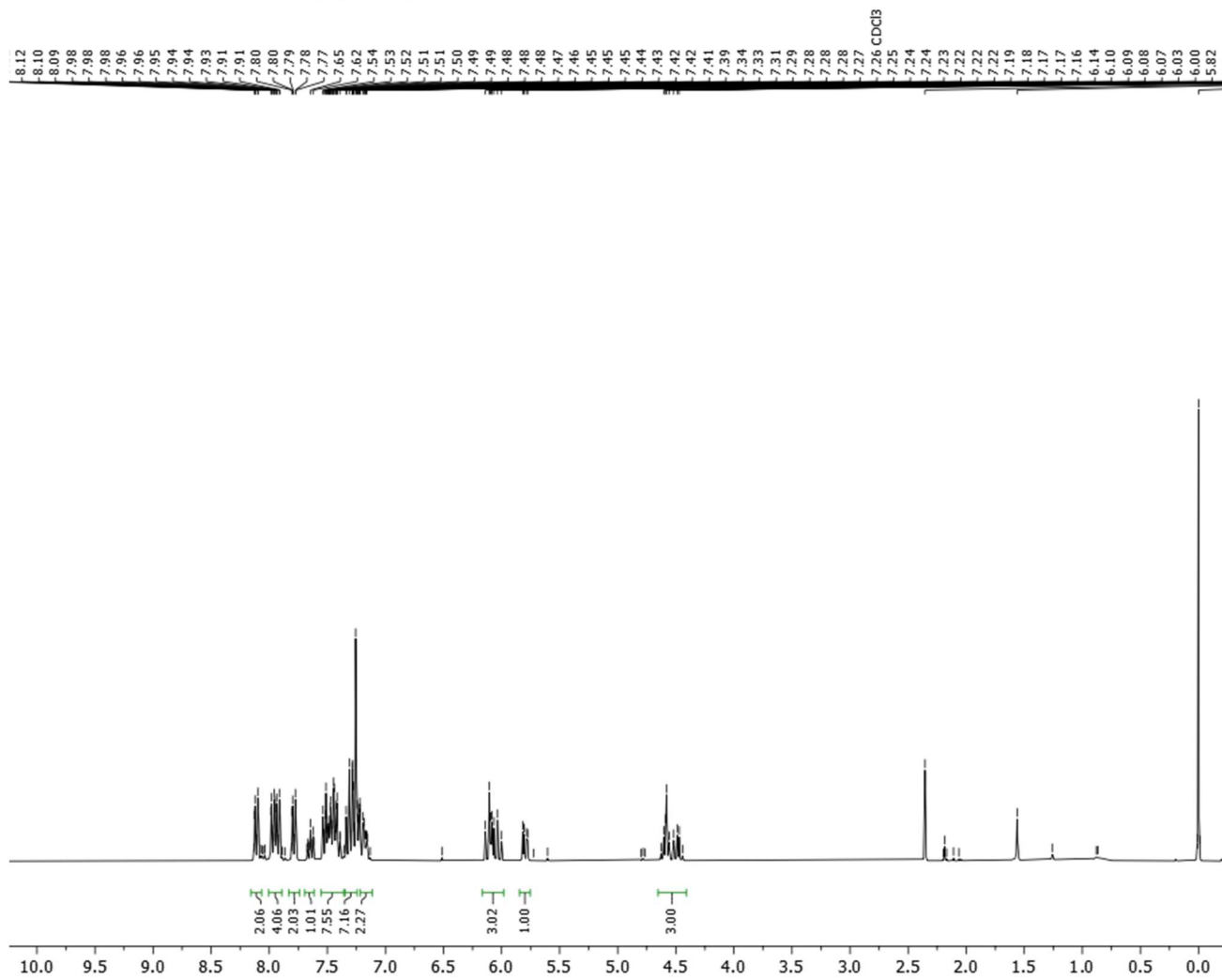
4



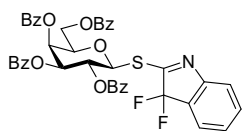
¹⁹F NMR (376 MHz, CDCl₃)



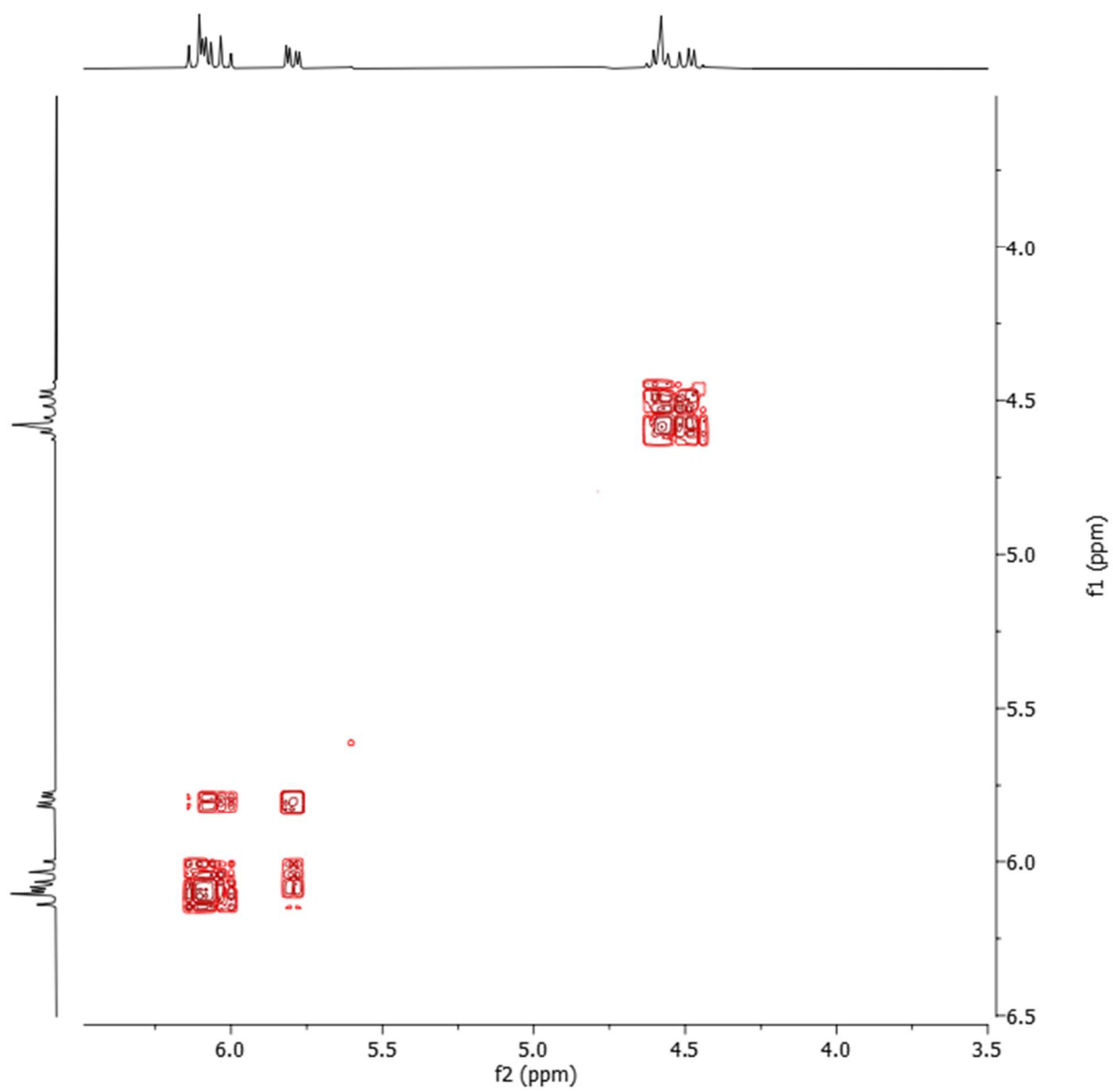
6



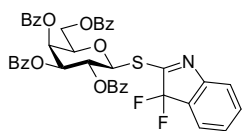
^1H NMR (300 MHz, CDCl_3)



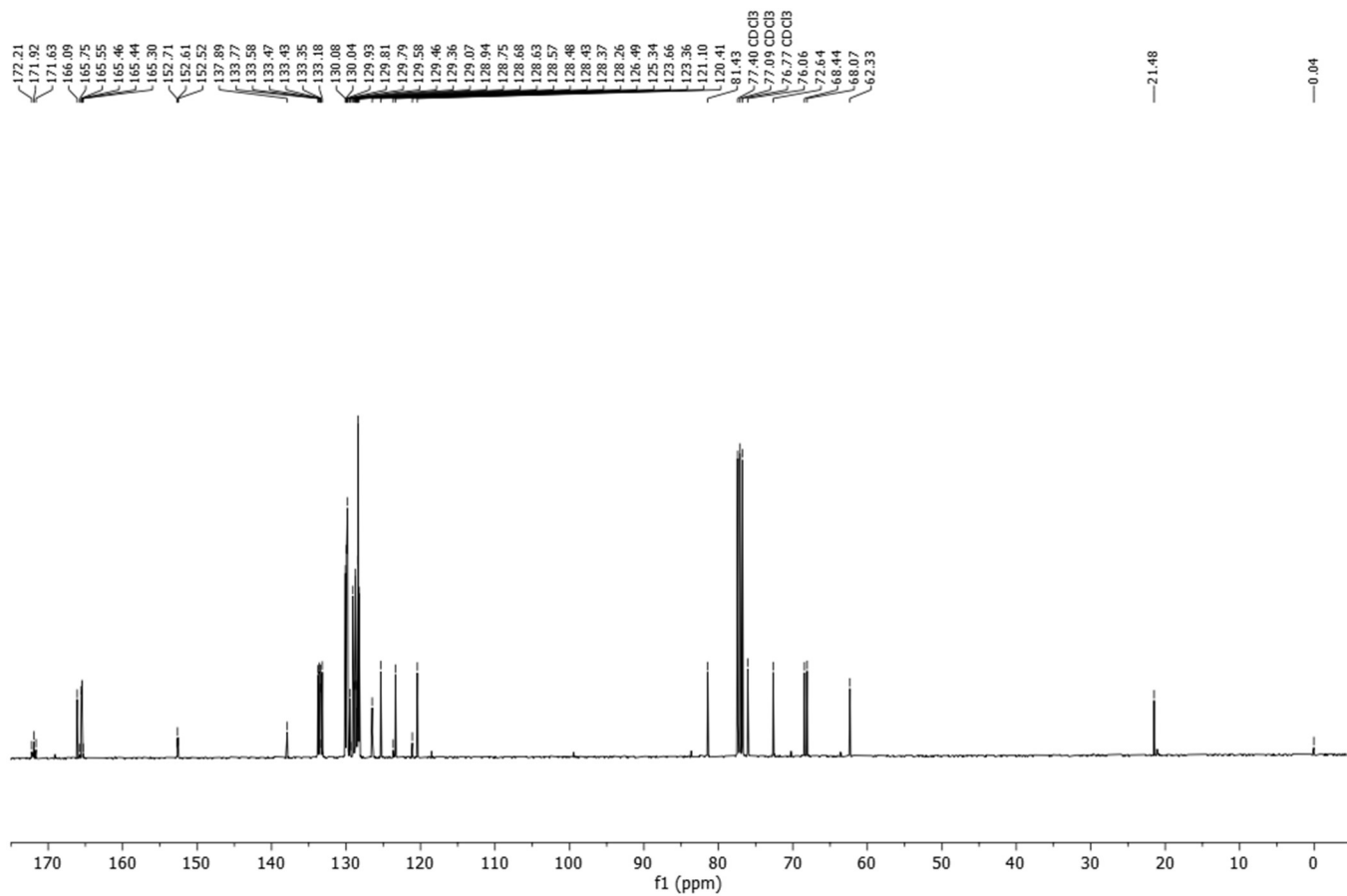
6



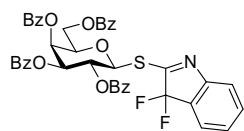
COSY (300 MHz, CDCl₃)



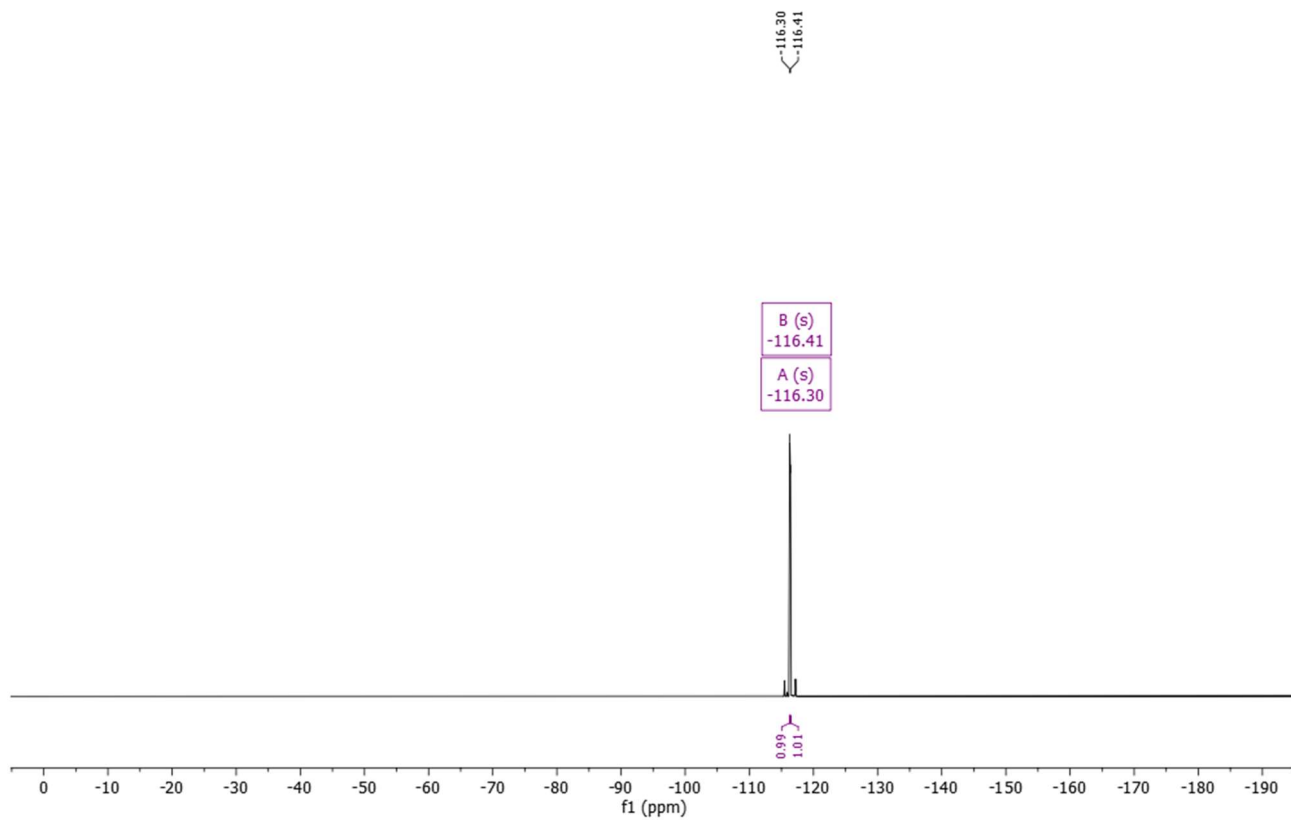
6



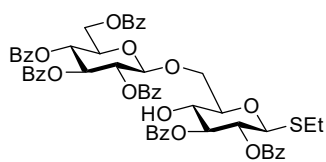
^{13}C NMR (75 MHz, CDCl_3)



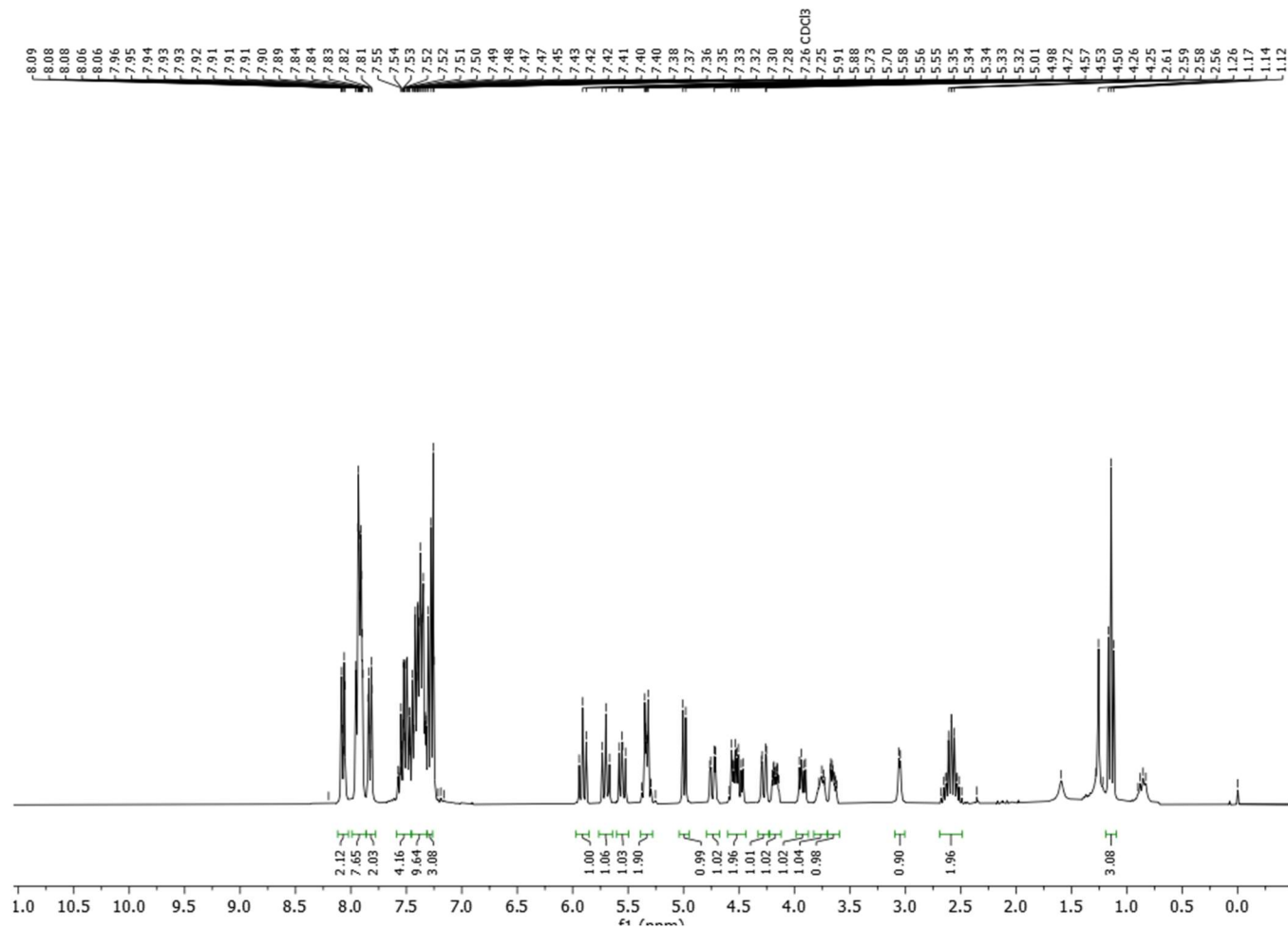
6



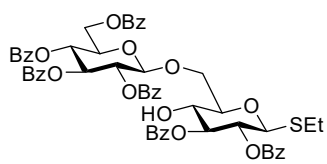
^{19}F NMR (376 MHz, CDCl_3)



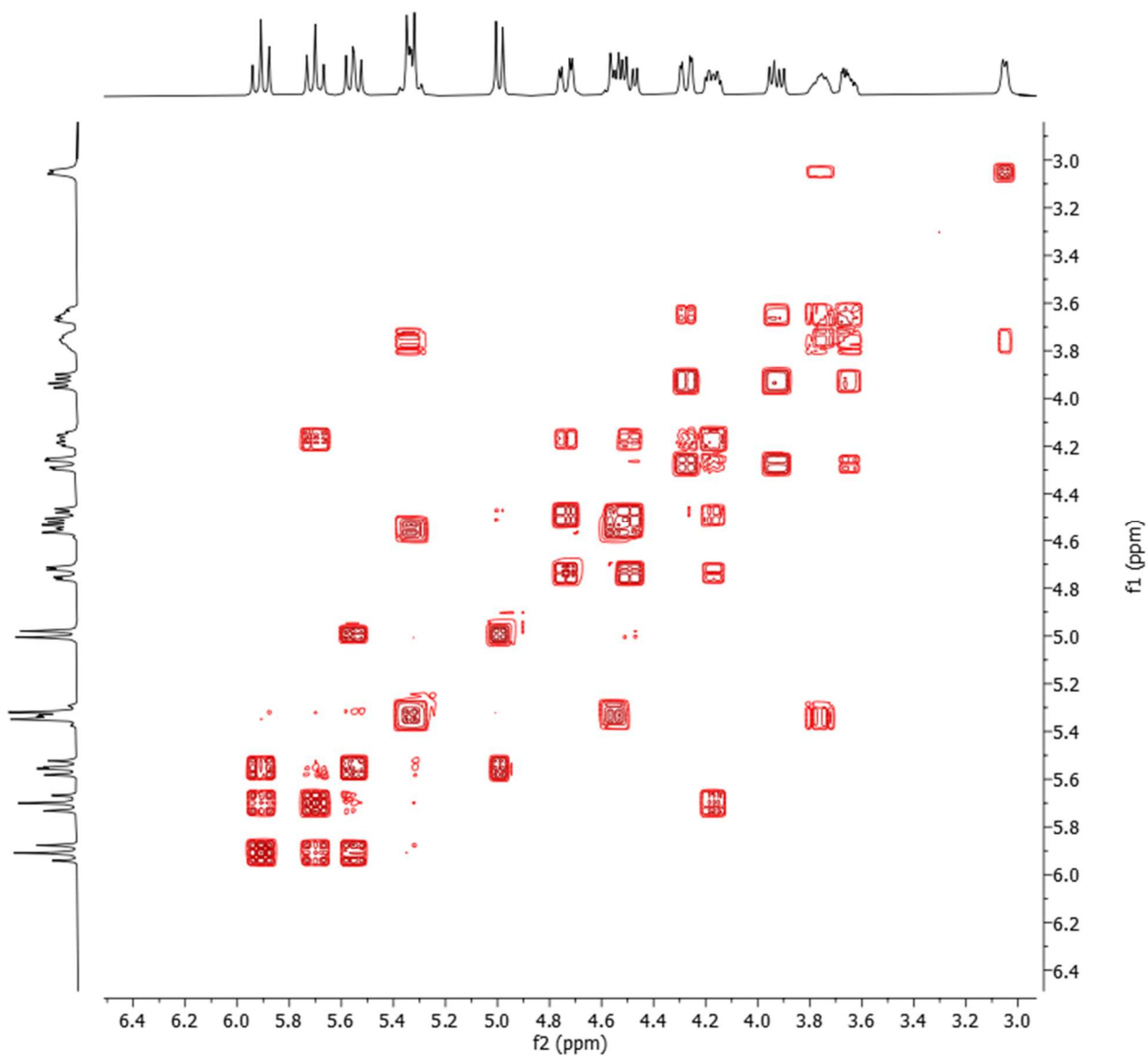
22



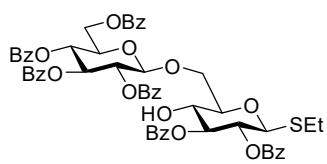
¹H NMR (300 MHz, CDCl₃)



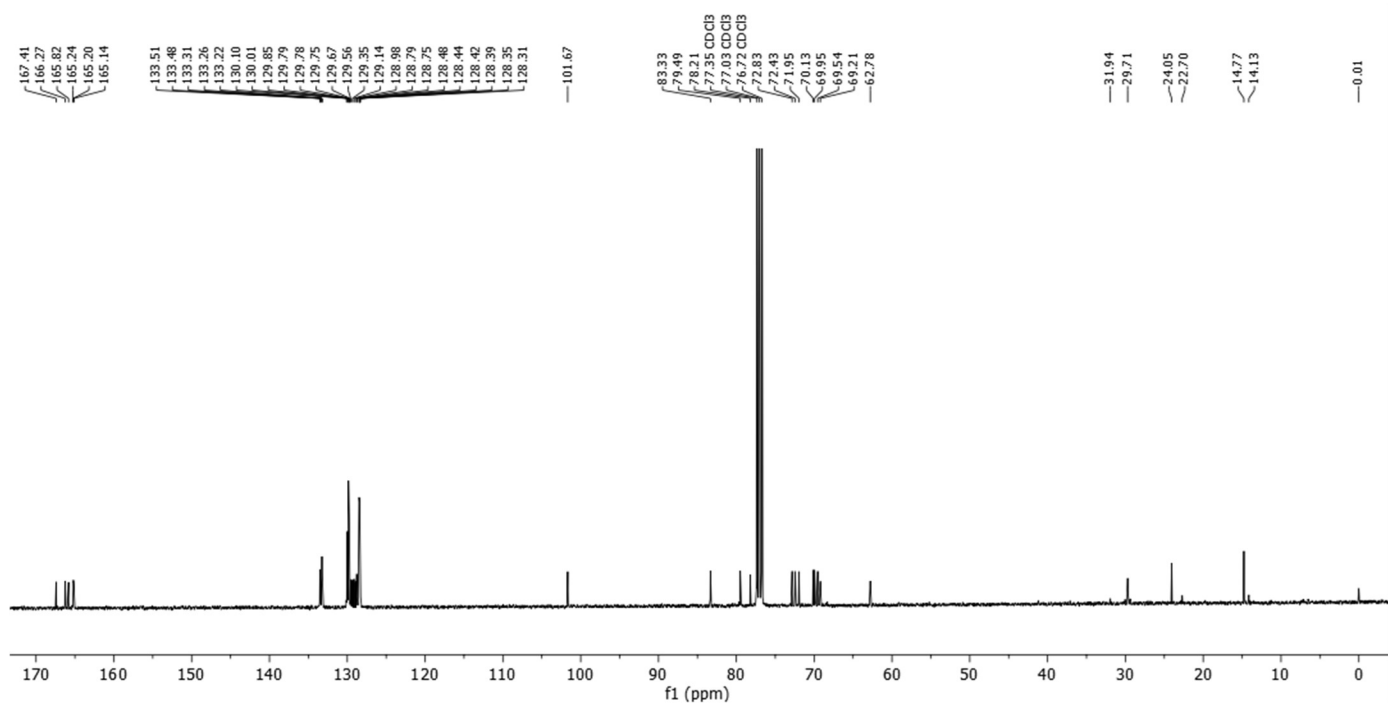
22



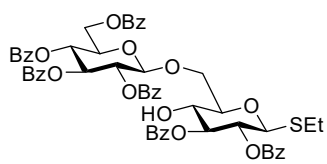
COSY (300 MHz, CDCl_3)



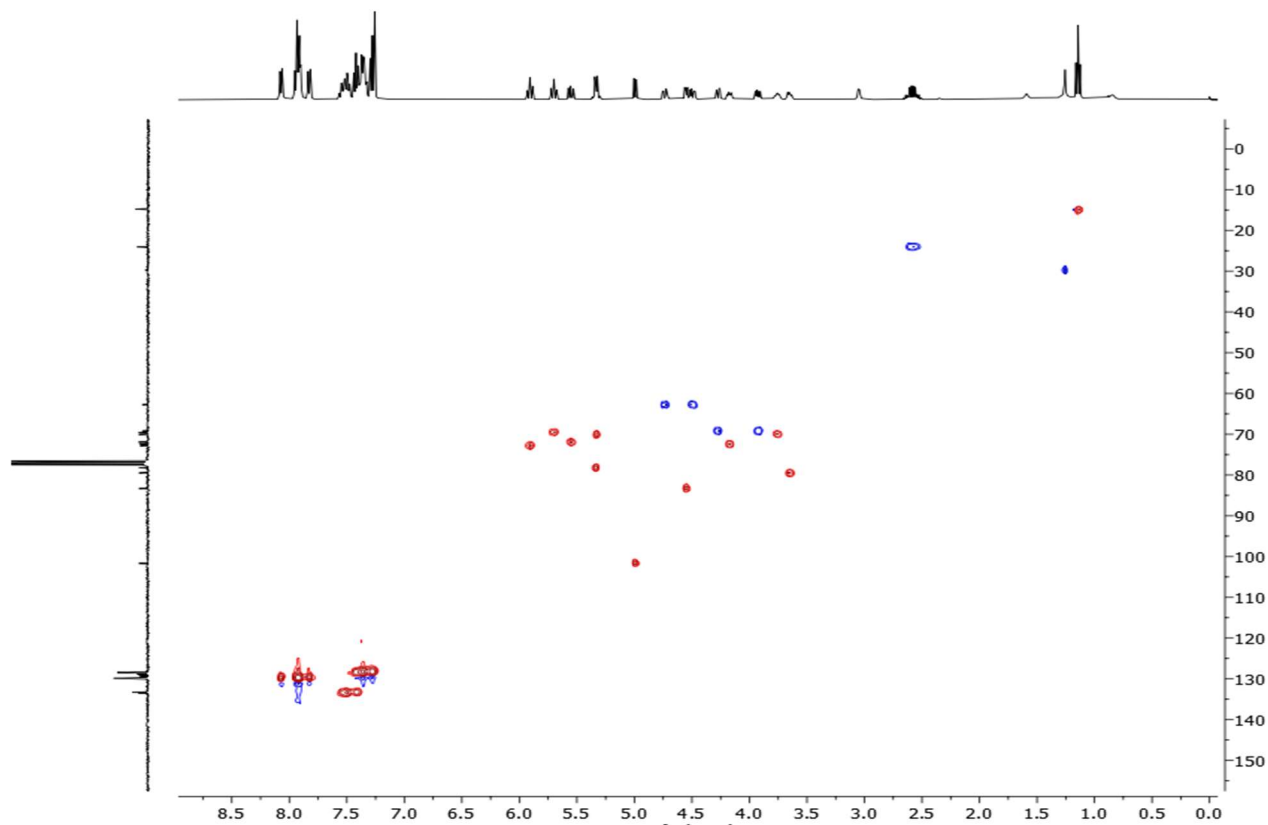
22



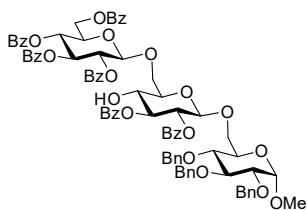
^{13}C NMR (75 MHz, CDCl_3)



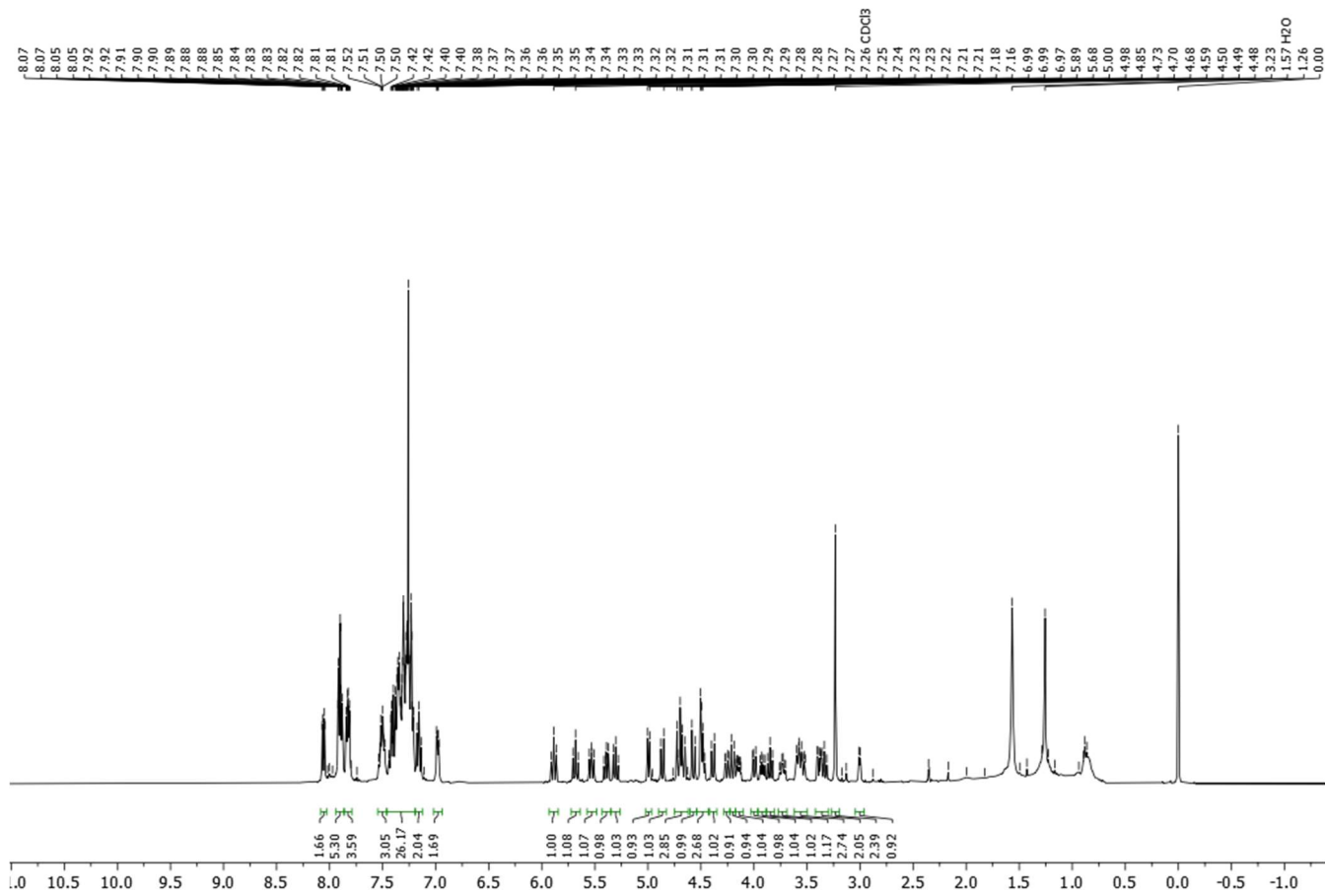
22



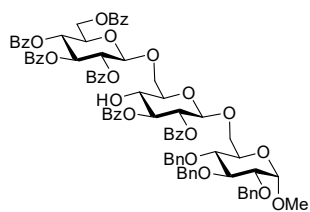
HSQC (300 MHz, CDCl₃)



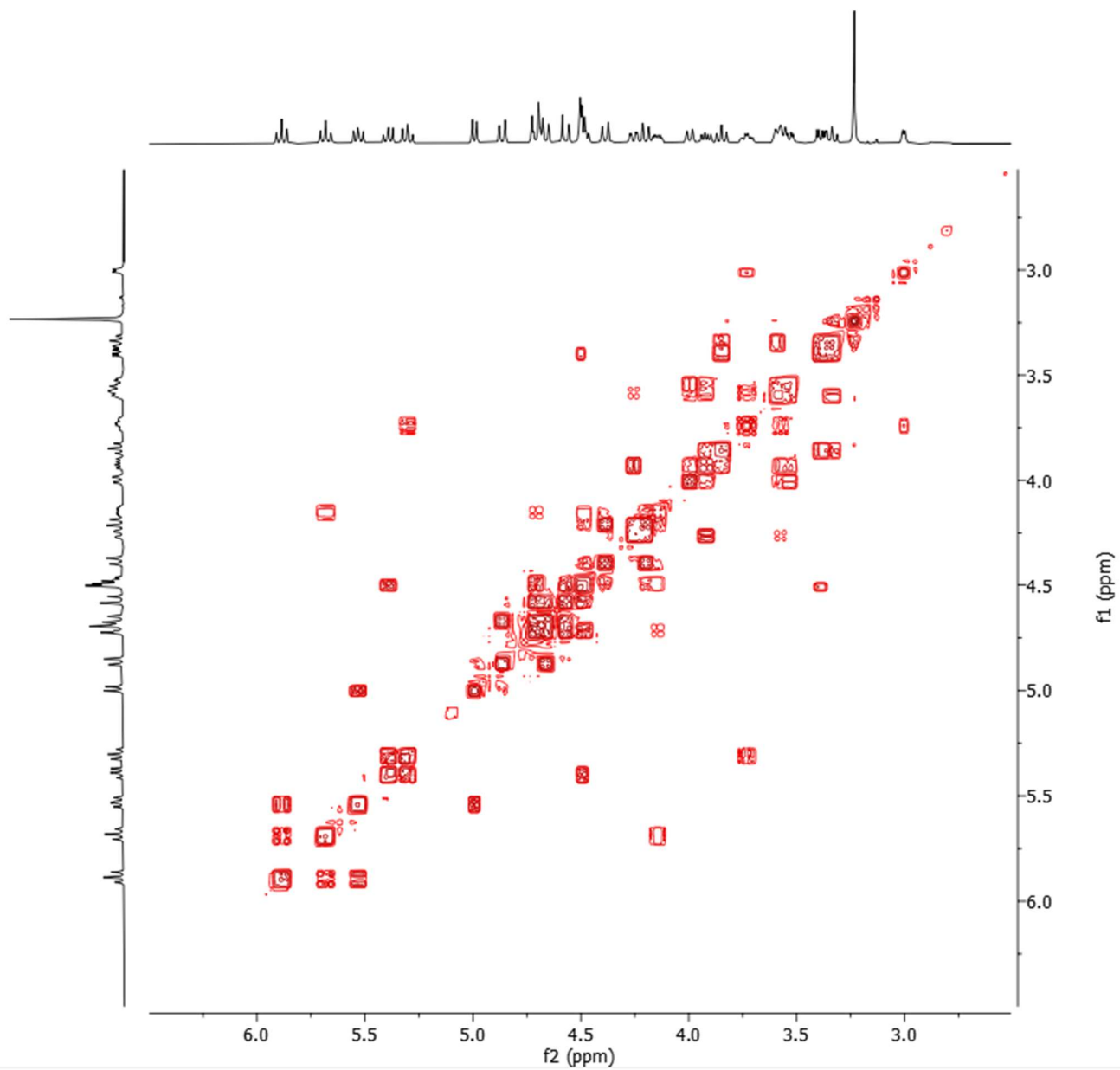
23



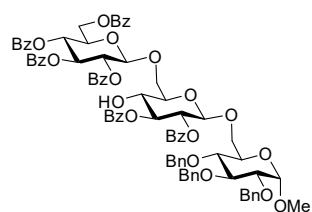
^1H NMR (400 MHz, CDCl_3)



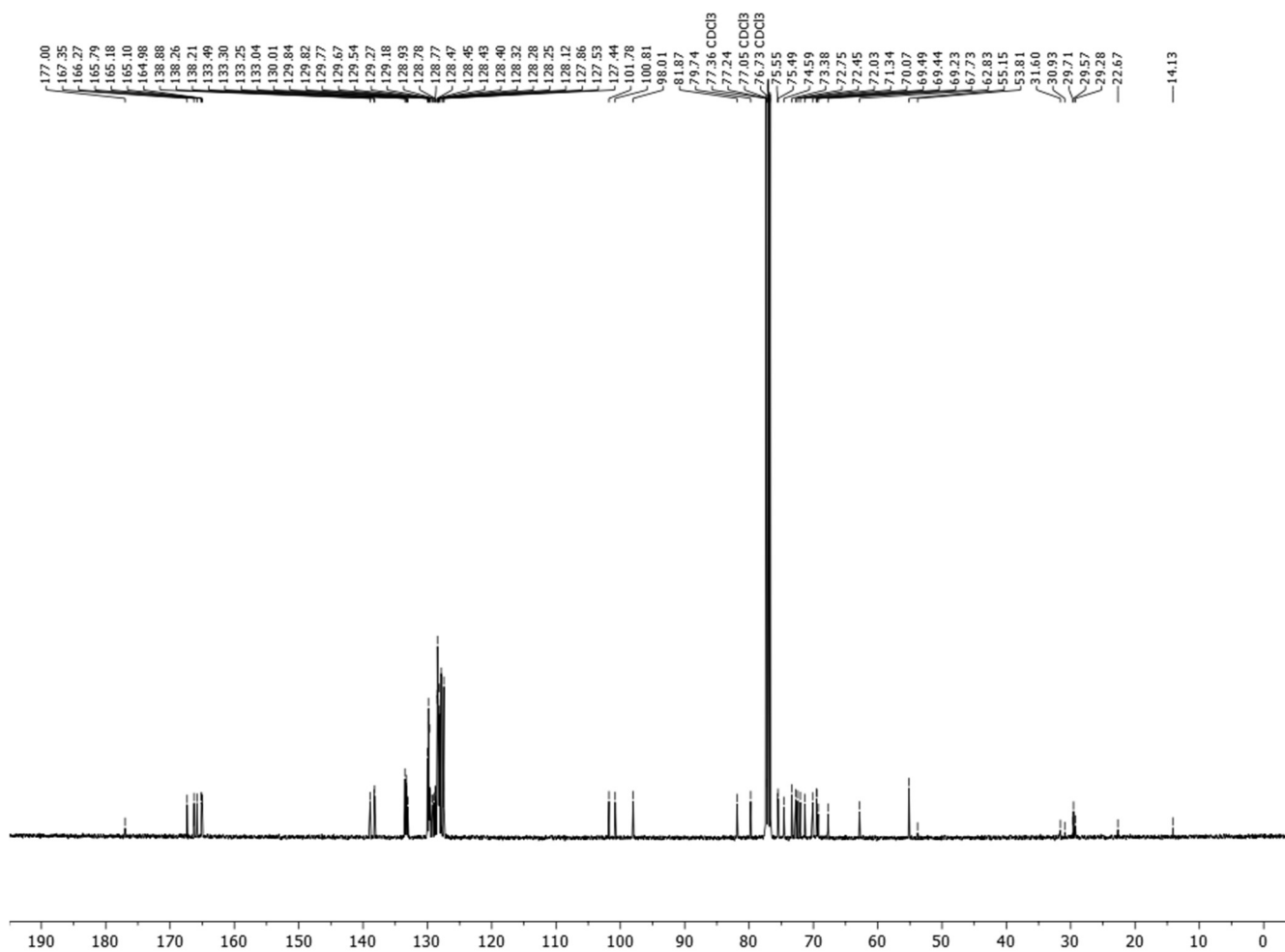
23



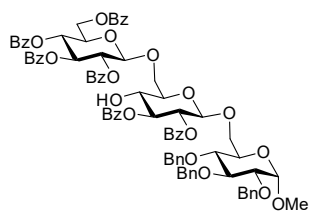
COSY (400 MHz, CDCl₃)



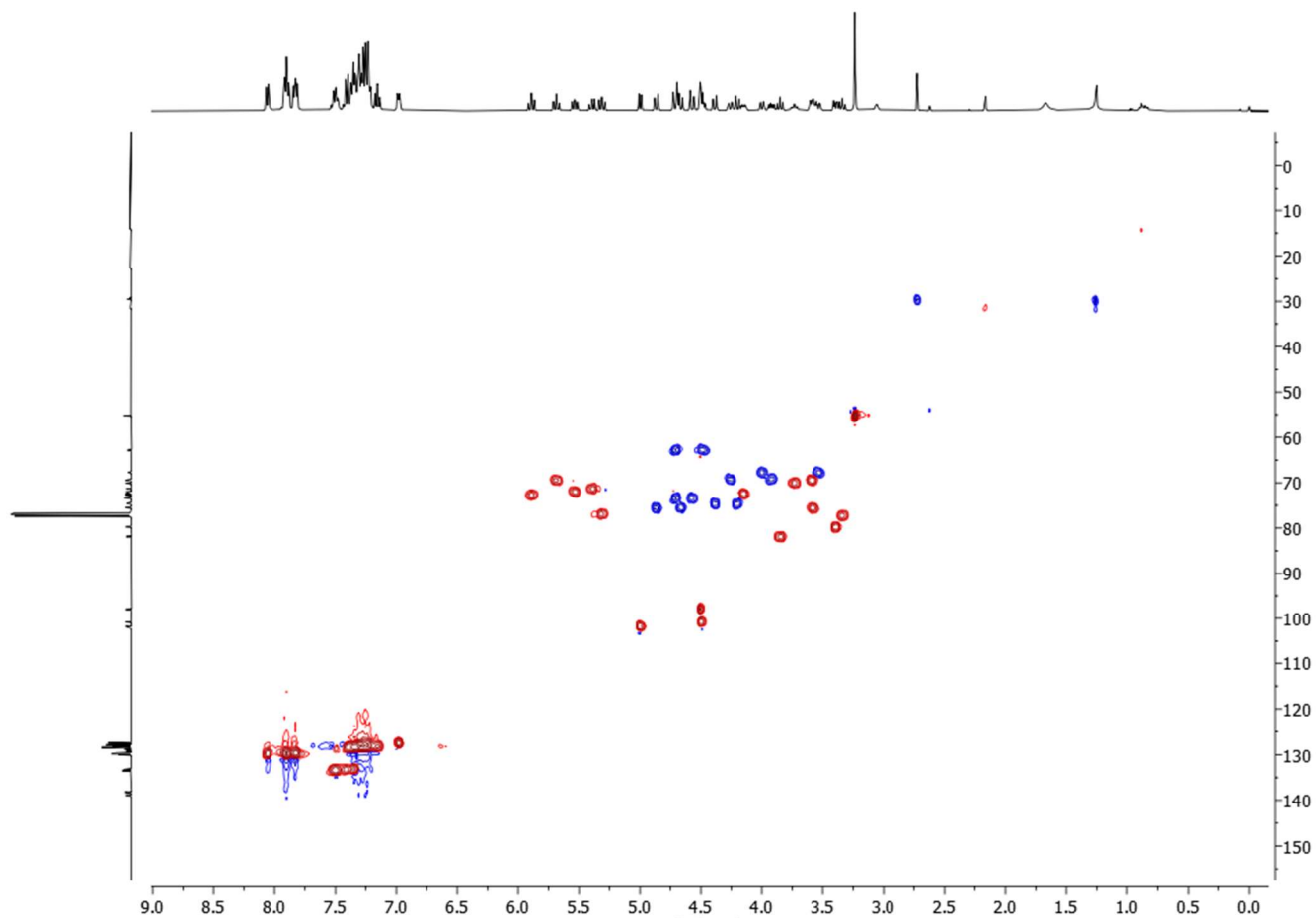
23



^{13}C NMR (101 MHz, CDCl_3)

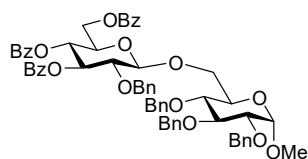


23

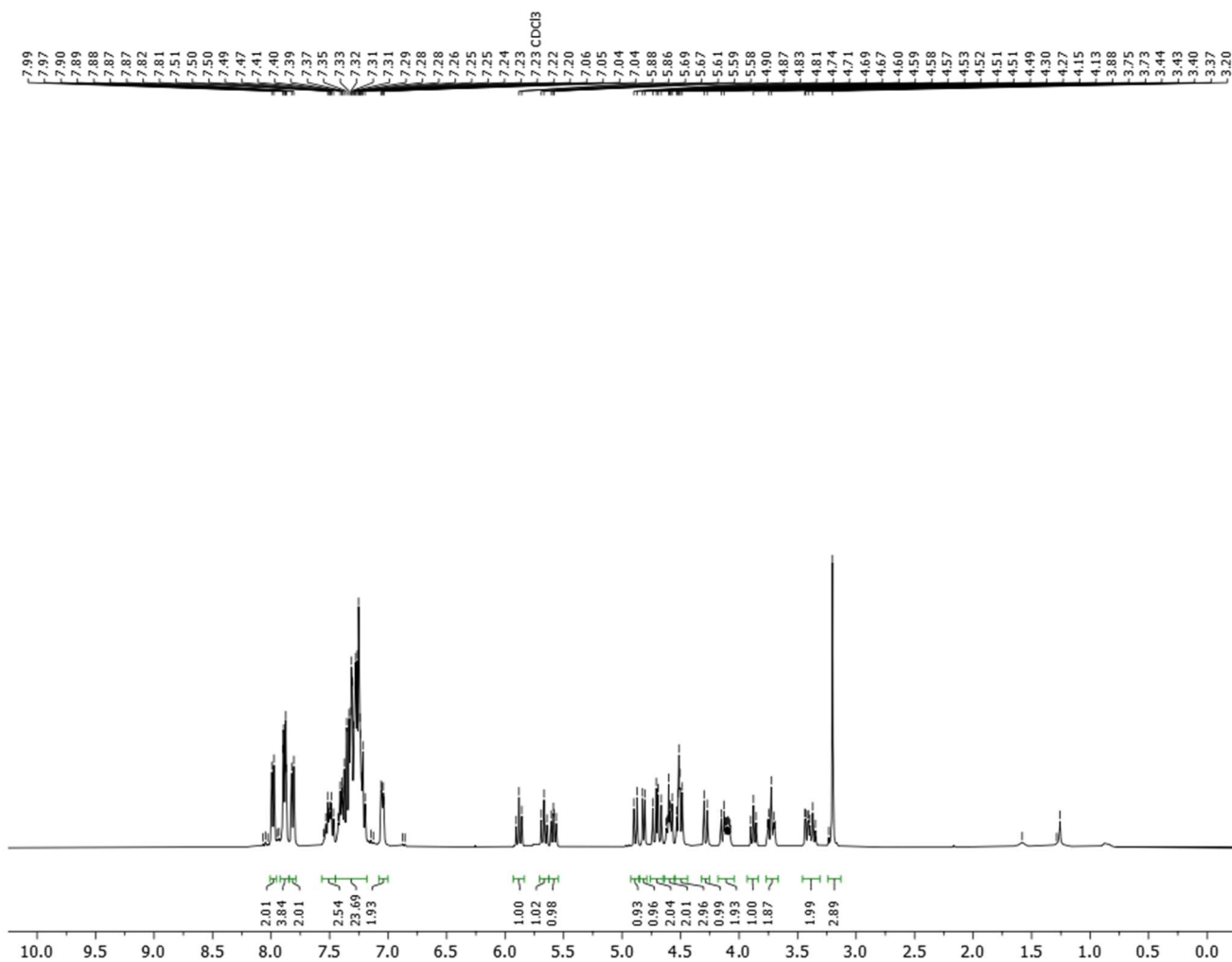


HSQC (400 MHz, CDCl₃)

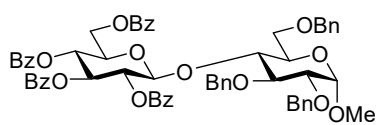
¹H NMR of known disaccharides



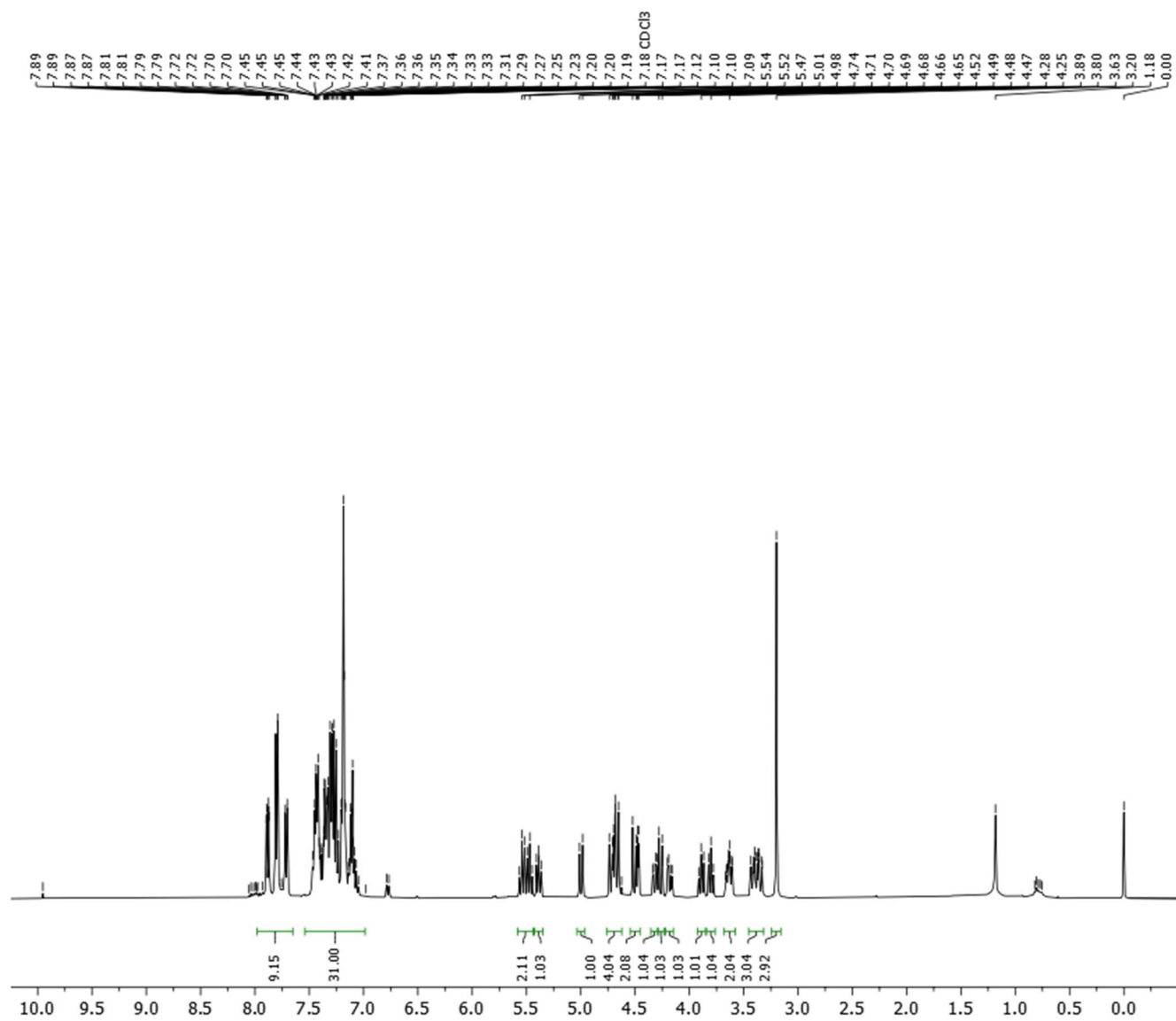
8



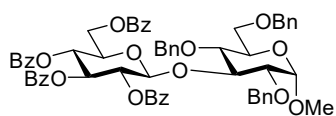
¹H NMR (400 MHz, CDCl₃)



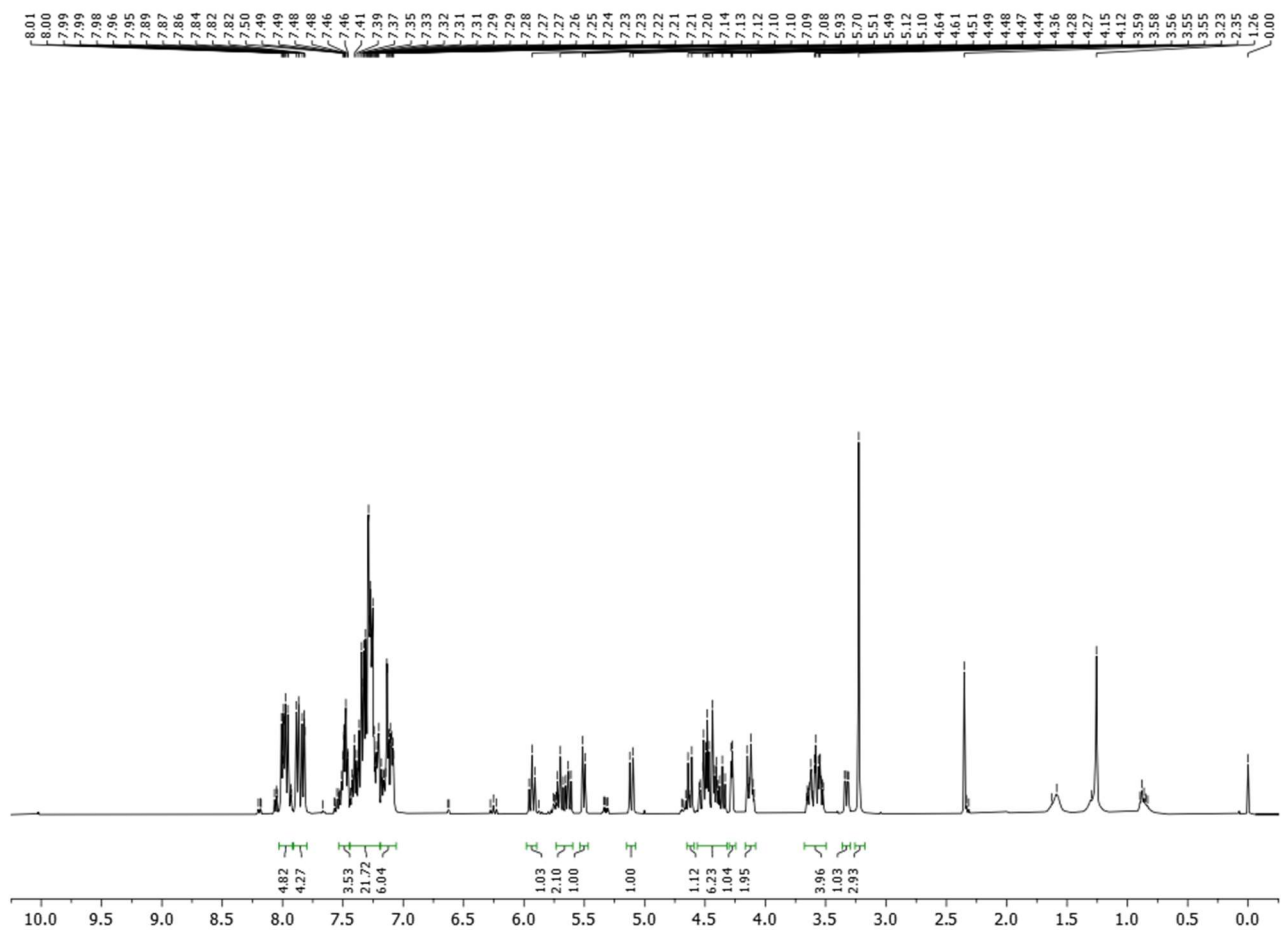
10



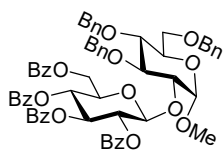
^1H NMR (400 MHz, CDCl_3)



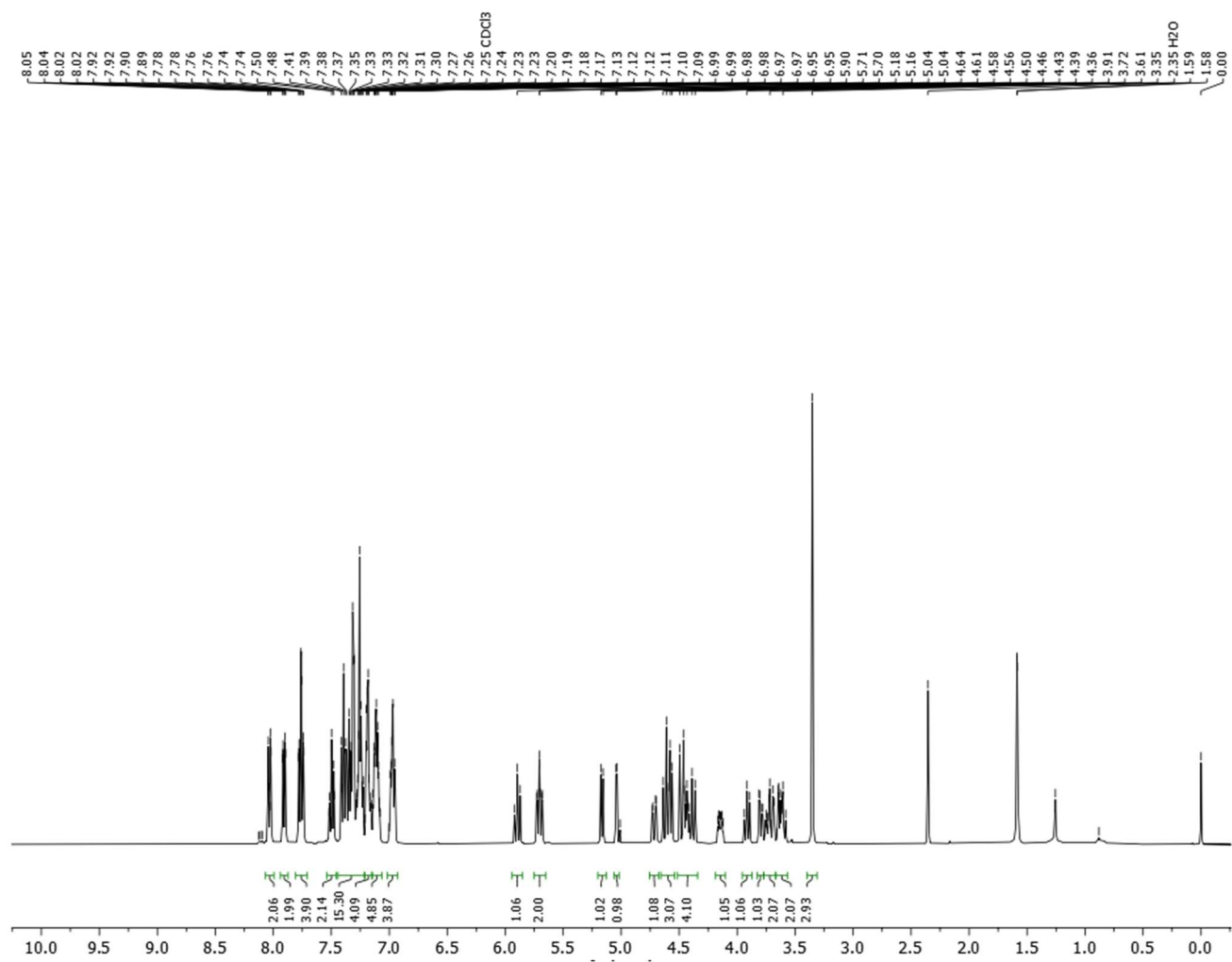
12



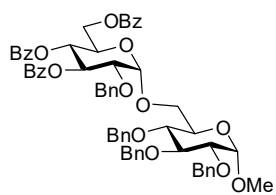
^1H NMR (400 MHz, CDCl_3)



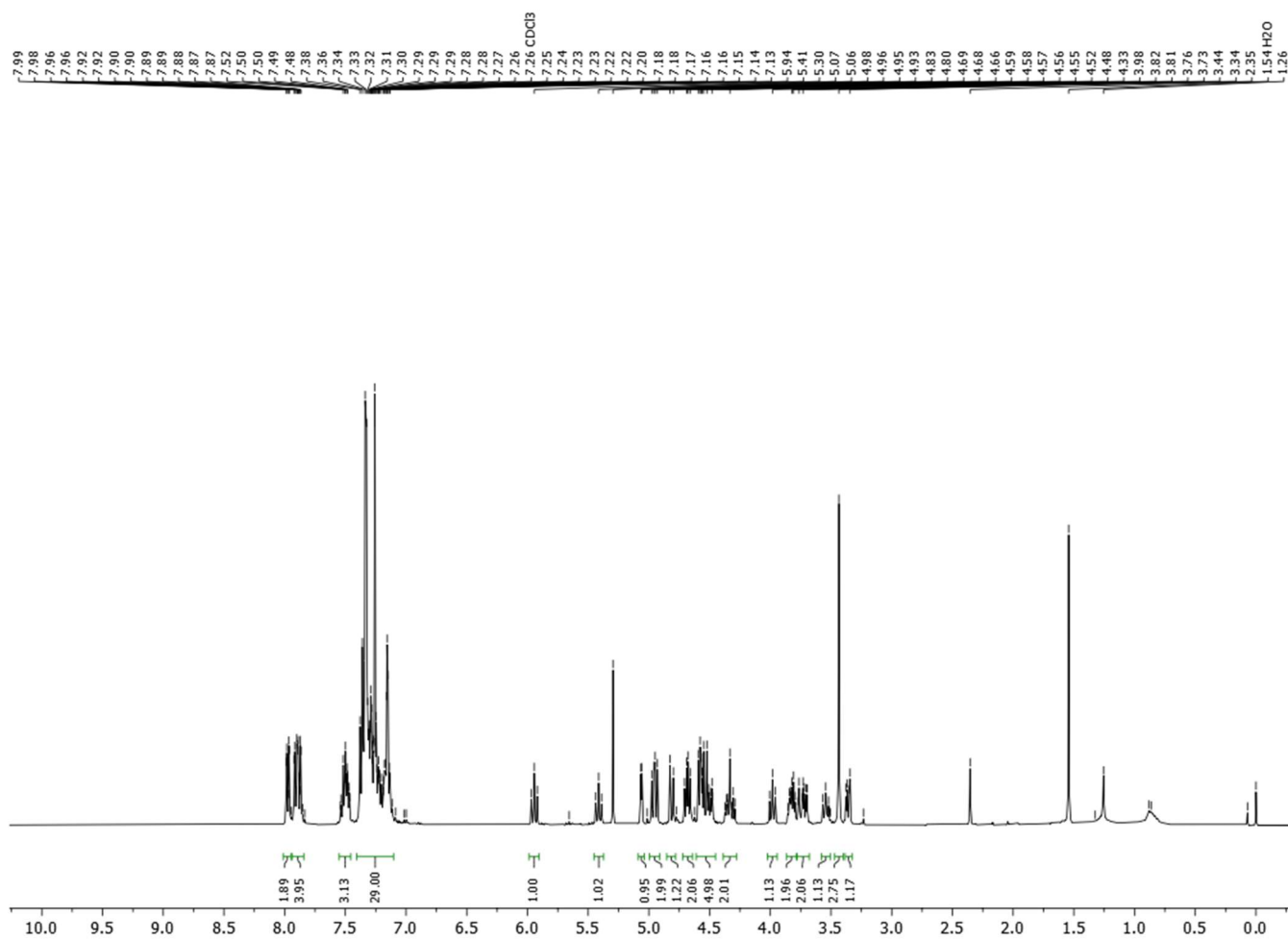
14



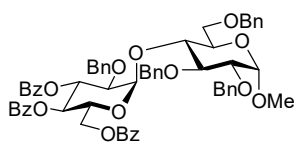
¹H NMR (400 MHz, CDCl₃)



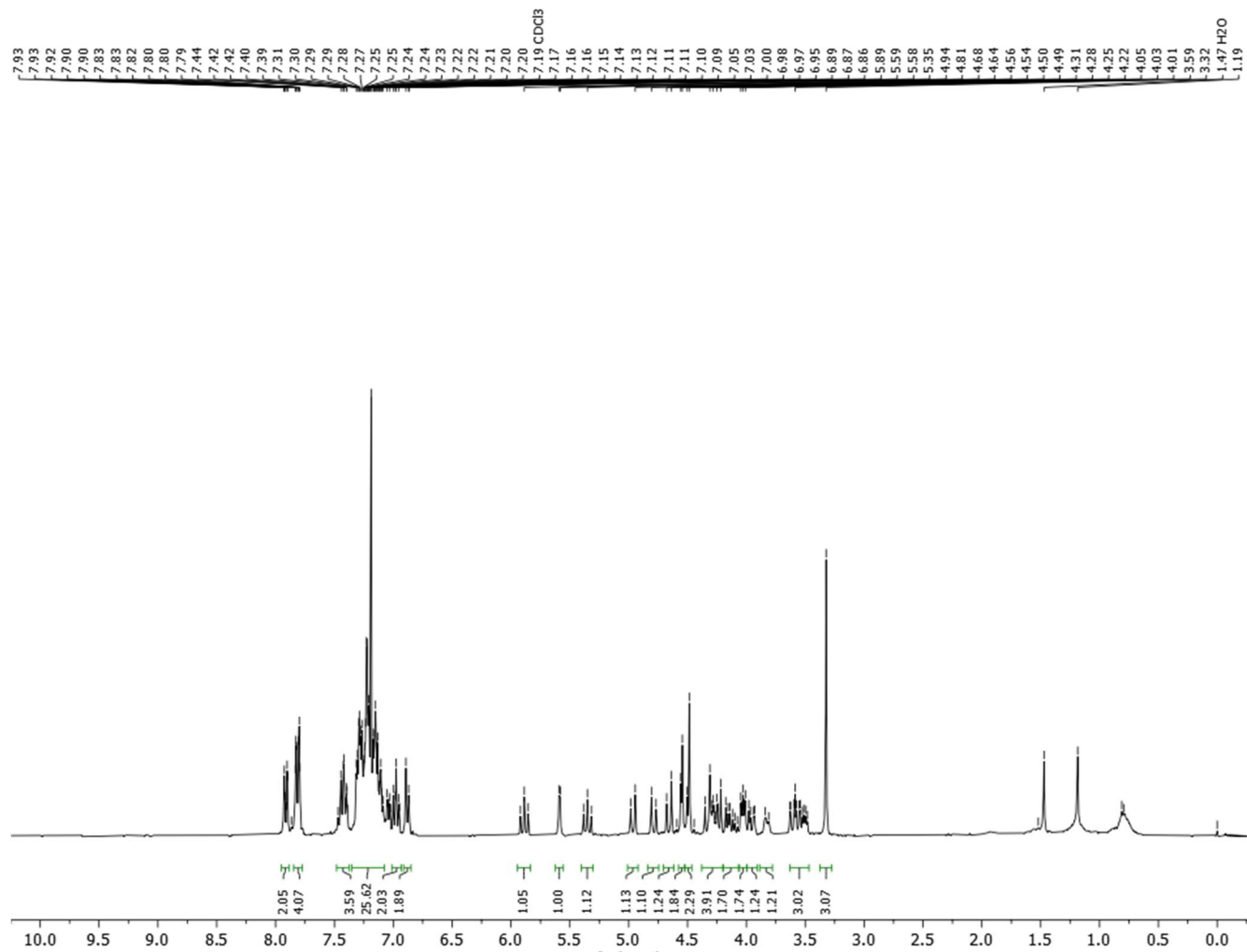
15



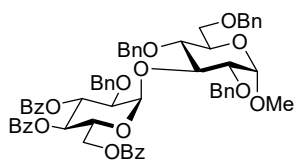
¹H NMR (400 MHz, CDCl₃)



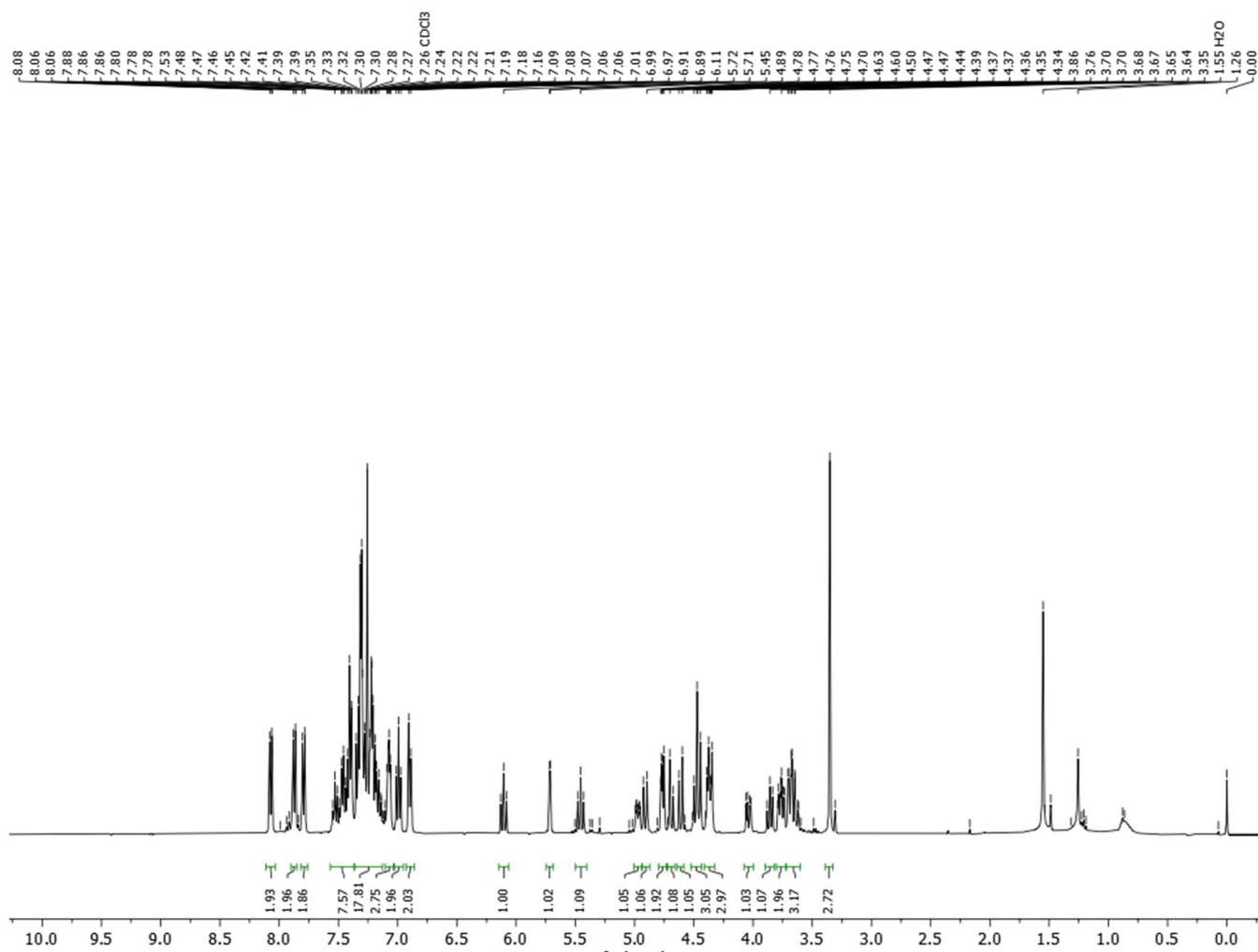
16



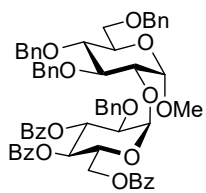
¹H NMR (400 MHz, CDCl₃)



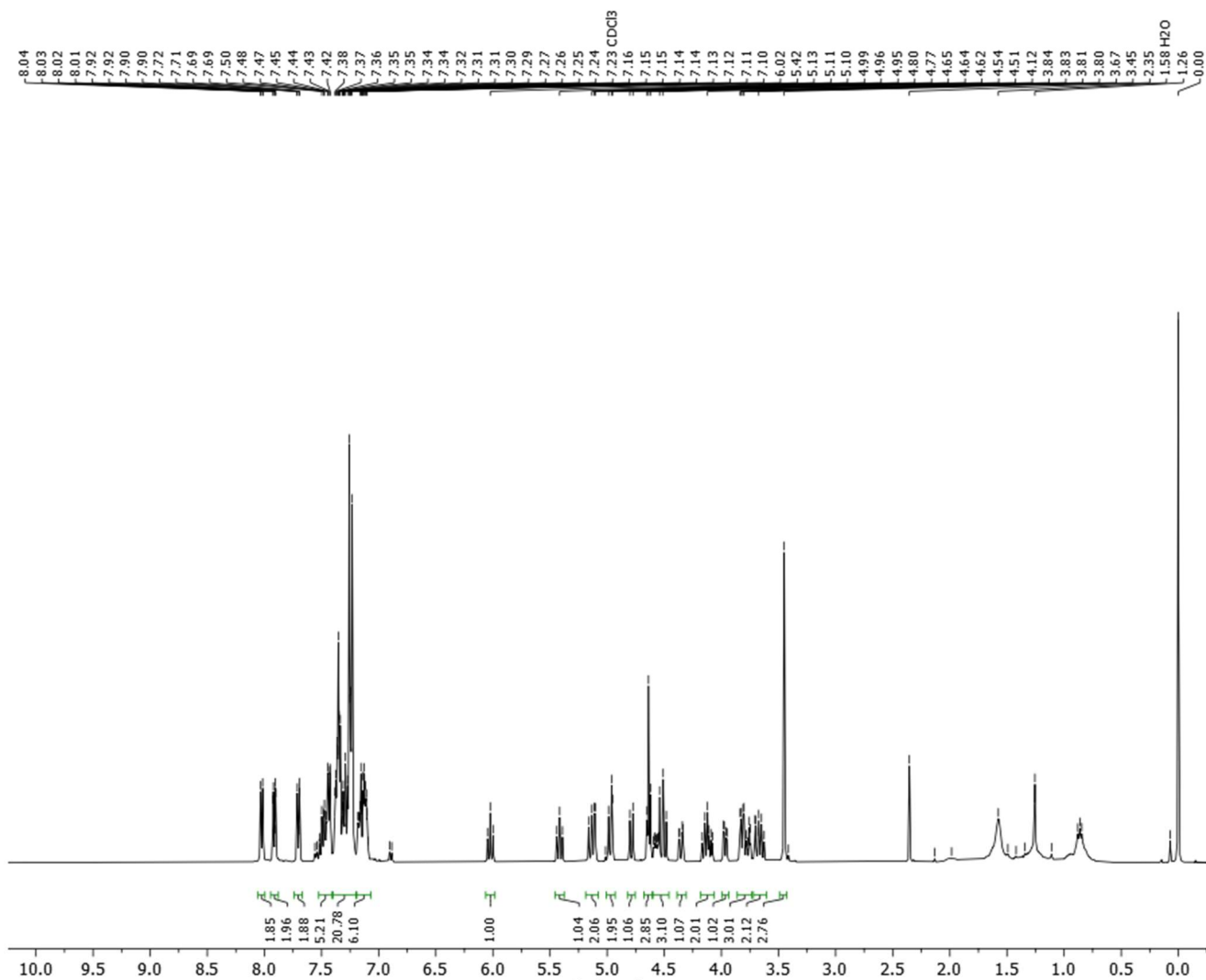
17



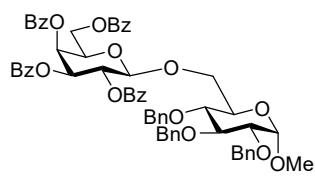
^1H NMR (400 MHz, CDCl_3)



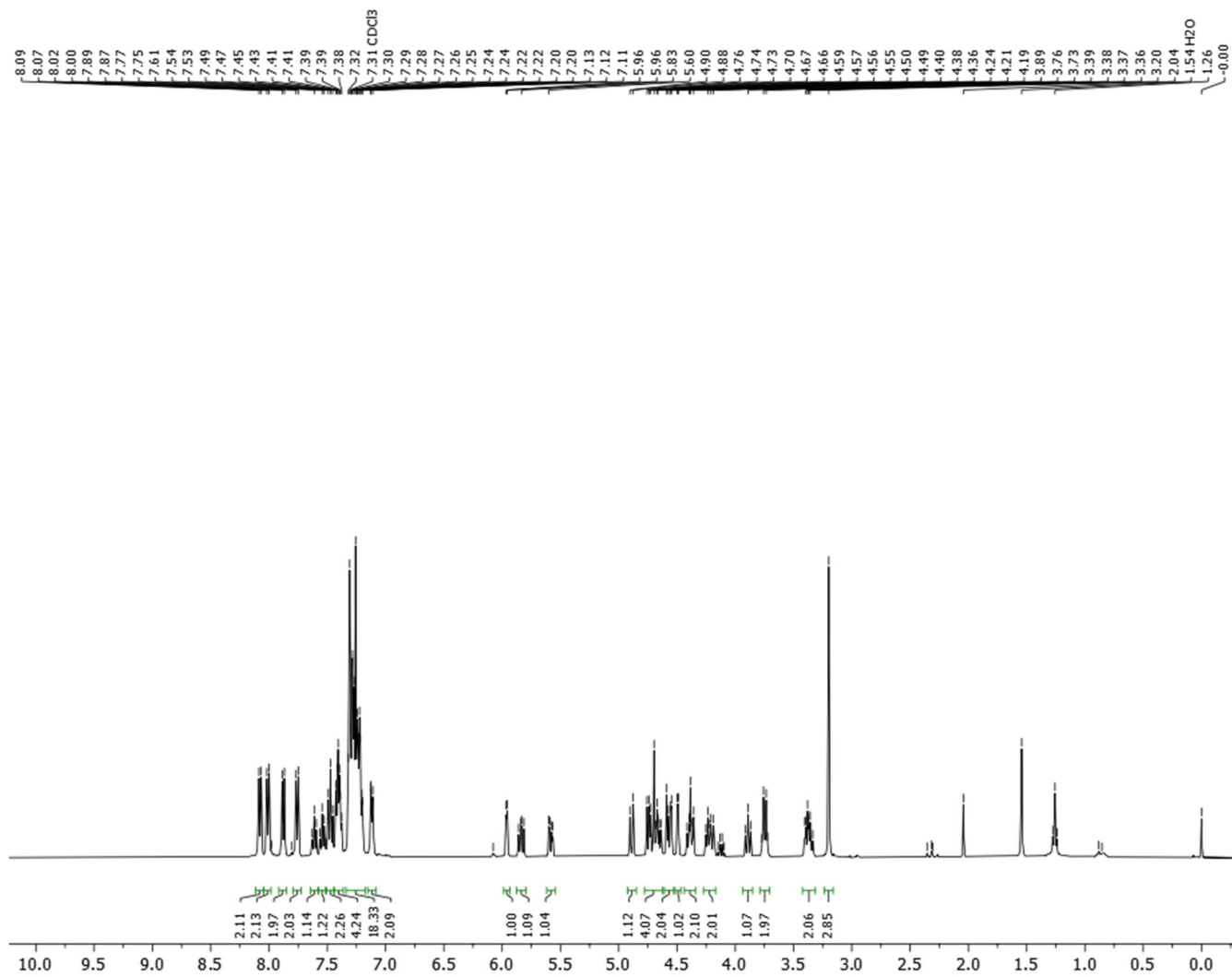
18



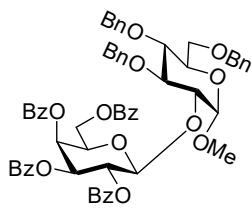
^1H NMR (400 MHz, CDCl_3)



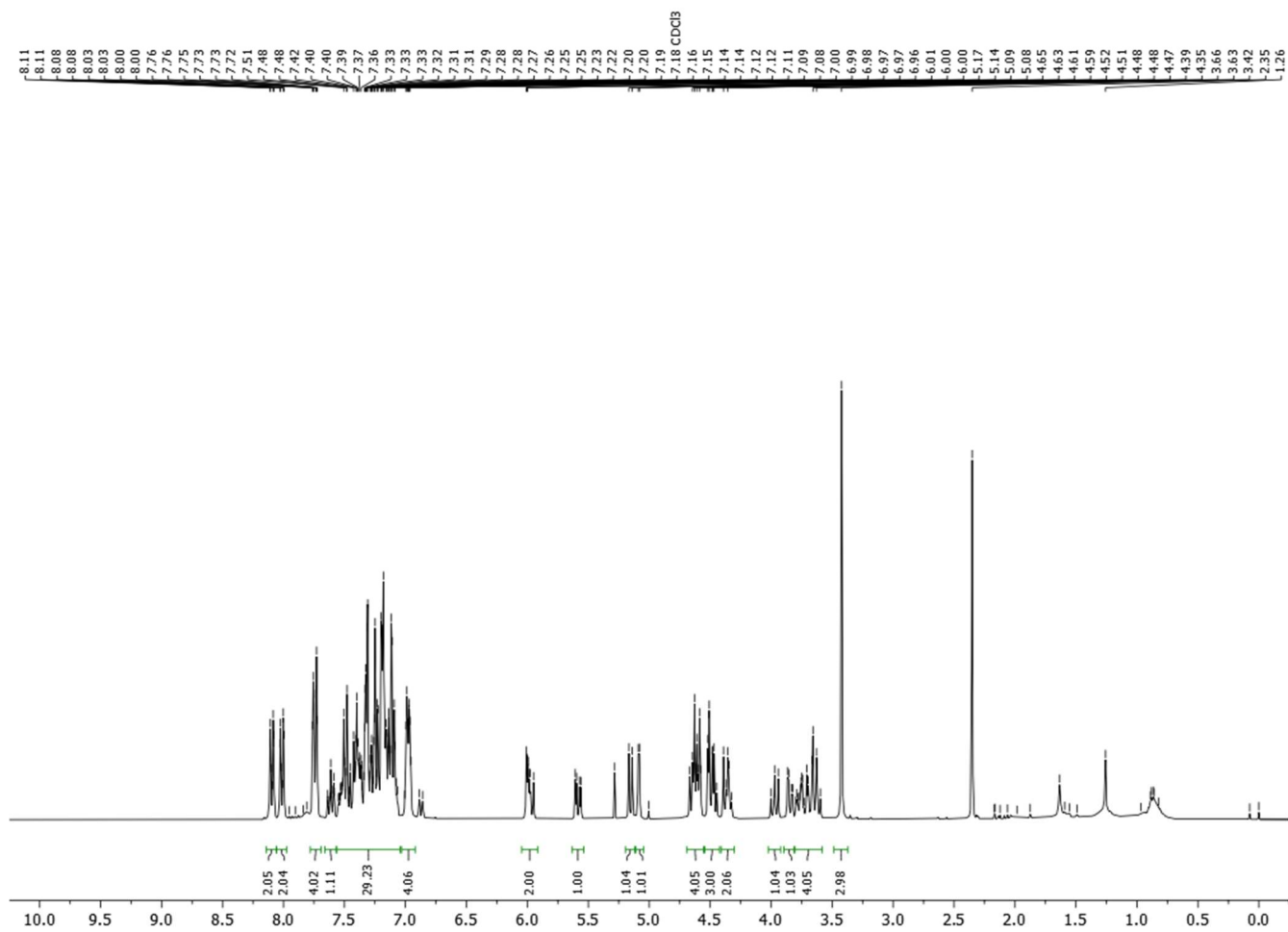
19



^1H NMR (400 MHz, CDCl_3)



20



¹H NMR (400 MHz, CDCl₃)