

Supplementary data

Stereoselective Synthesis of Carbon-Sulfur-Bridged Glycomimetics by Photoinitiated Thiol-Ene Coupling Reactions

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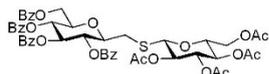
² Department of Organic Chemistry, University of Debrecen, Egyetem tér 1, H-4032, Debrecen, Hungary; lazar.laszlo@science.unideb.hu (L.L.), toth.marietta@science.unideb.hu (M.T.), somsak.laszlo@science.unideb.hu (L.S.)

³ Doctoral School of Chemistry, University of Debrecen, Egyetem tér 1, H-4032, Debrecen, Hungary

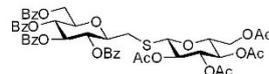
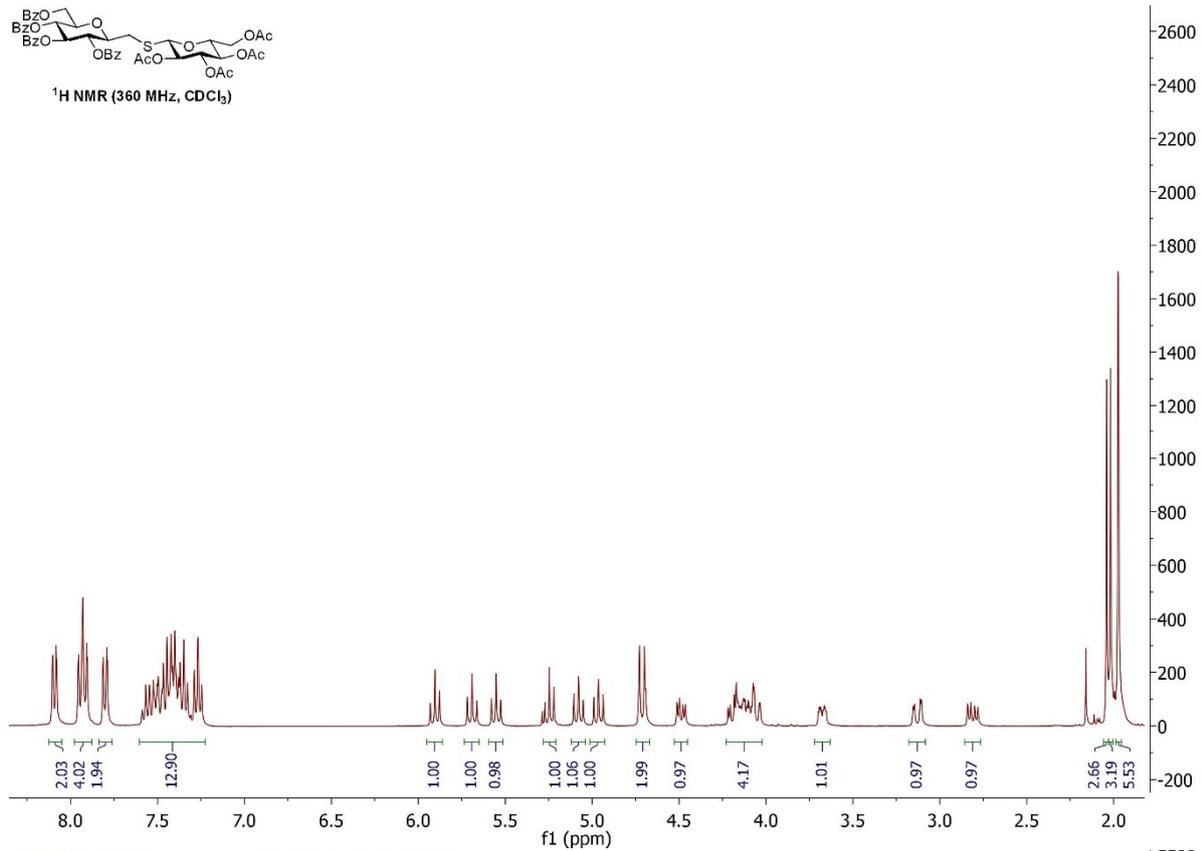
* Correspondence: borbas.aniko@pharm.unideb.hu; Tel.: +36-52-512900-22472 (A.B.)

NMR spectra of selected compounds

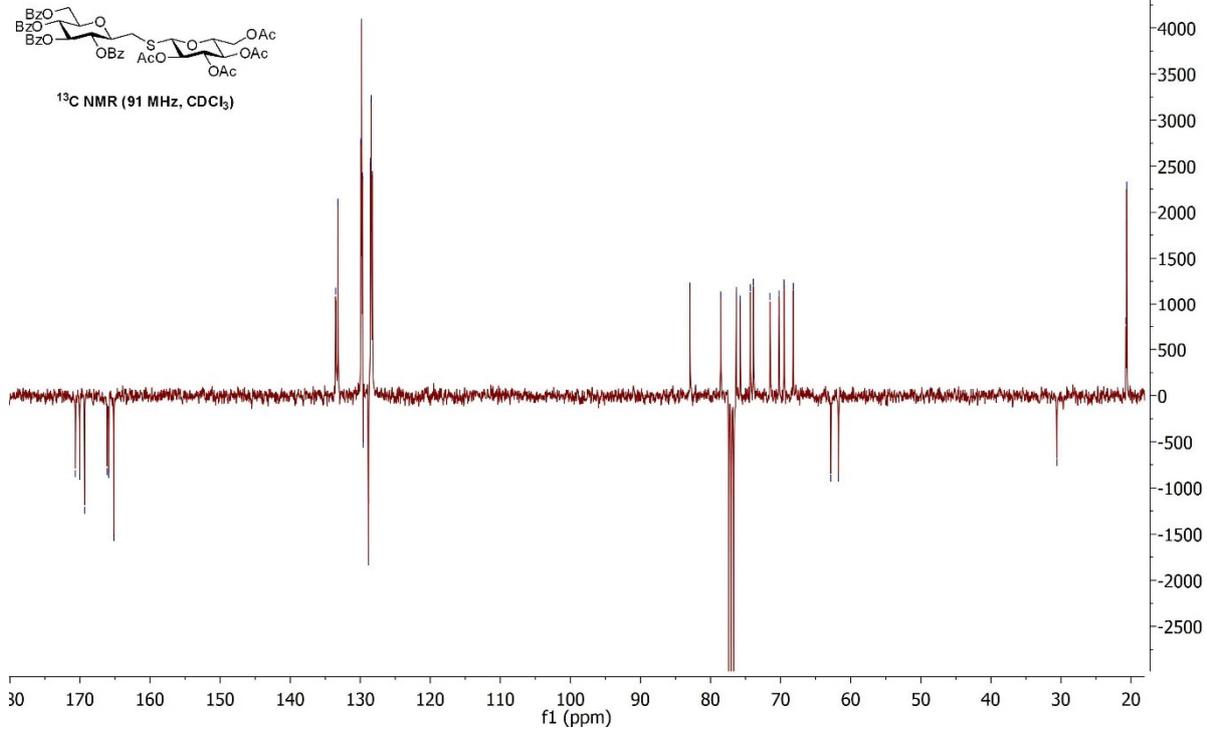
The ¹H NMR (360 and 400 MHz) and ¹³C NMR (90.54 and 100.28 MHz) spectra were recorded with Bruker DRX-360 and DRX-400 spectrometers at 25 °C. Chemical shifts are referenced to Me₄Si or DSS (0.00 ppm for ¹H) and to the solvent signals (CDCl₃: 77.00 ppm for ¹³C).

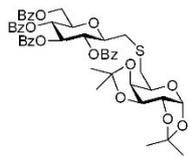


¹H NMR (360 MHz, CDCl₃)

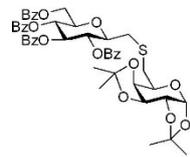
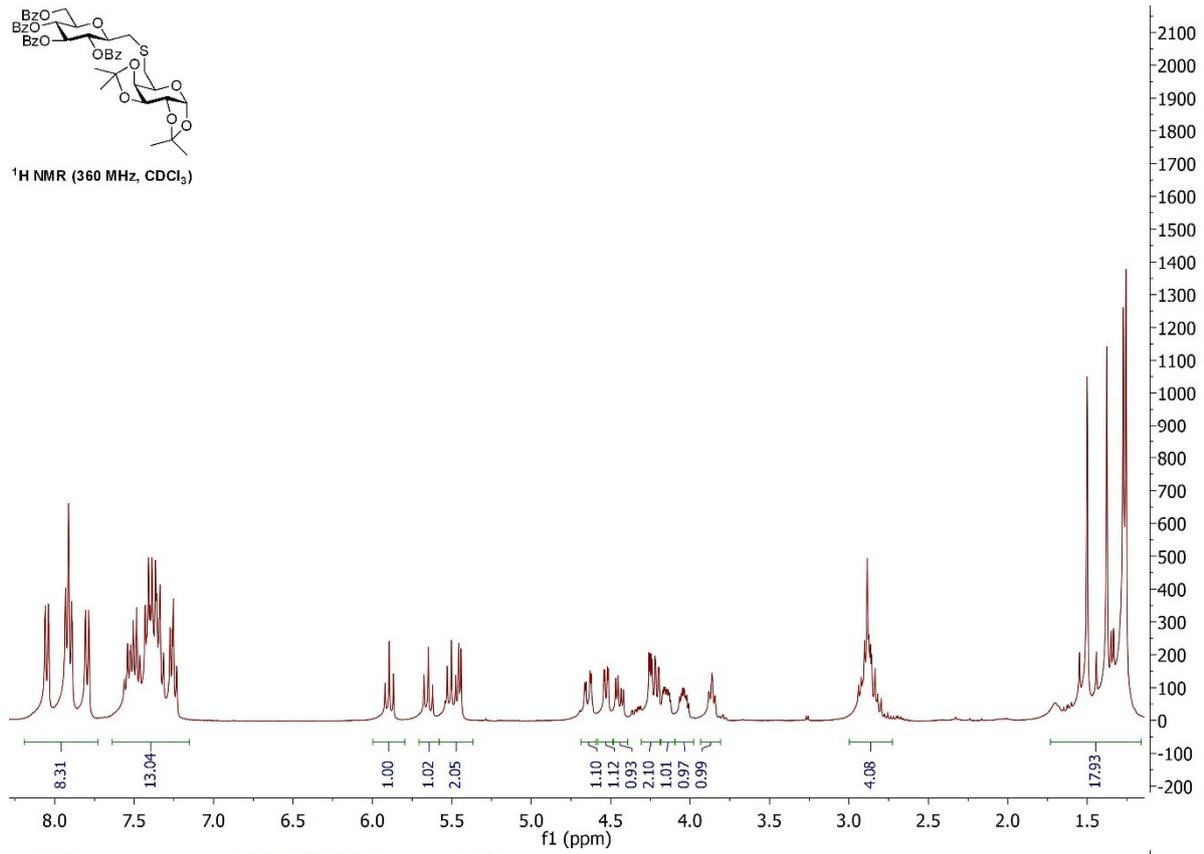


¹³C NMR (91 MHz, CDCl₃)

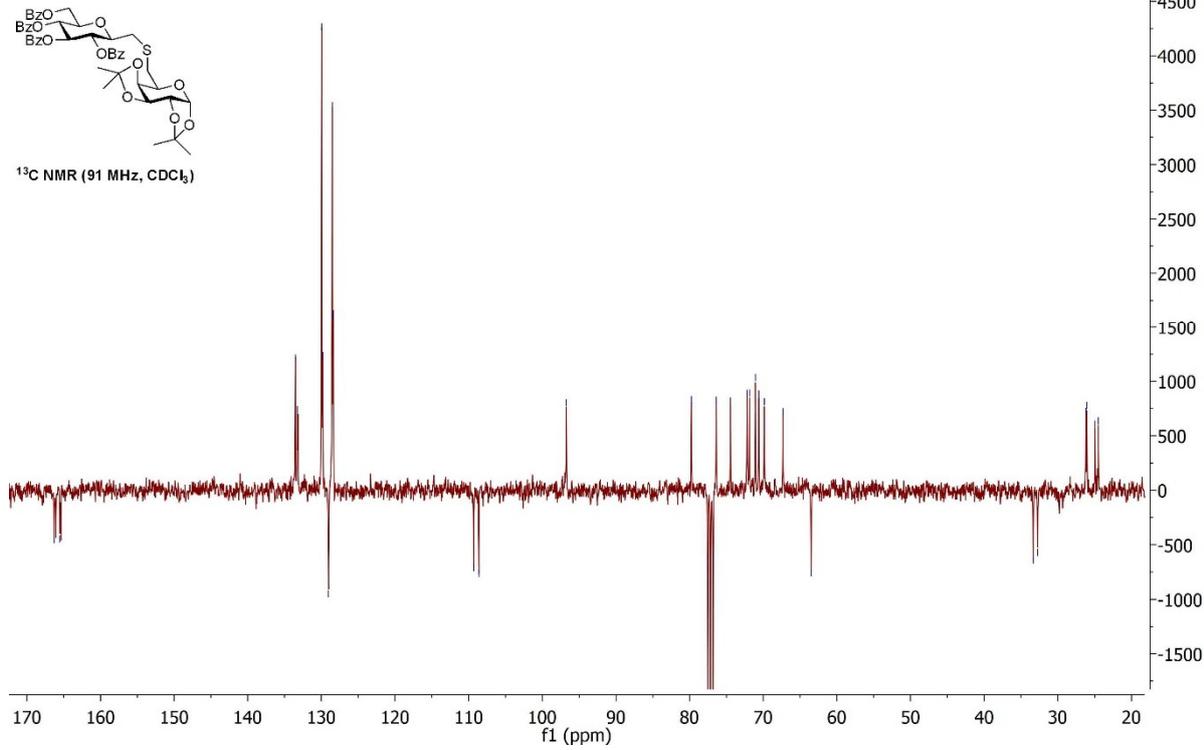


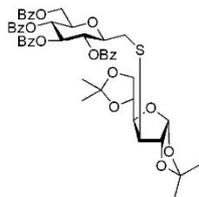


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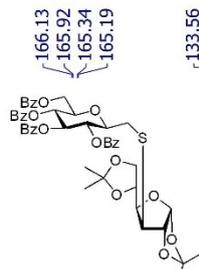
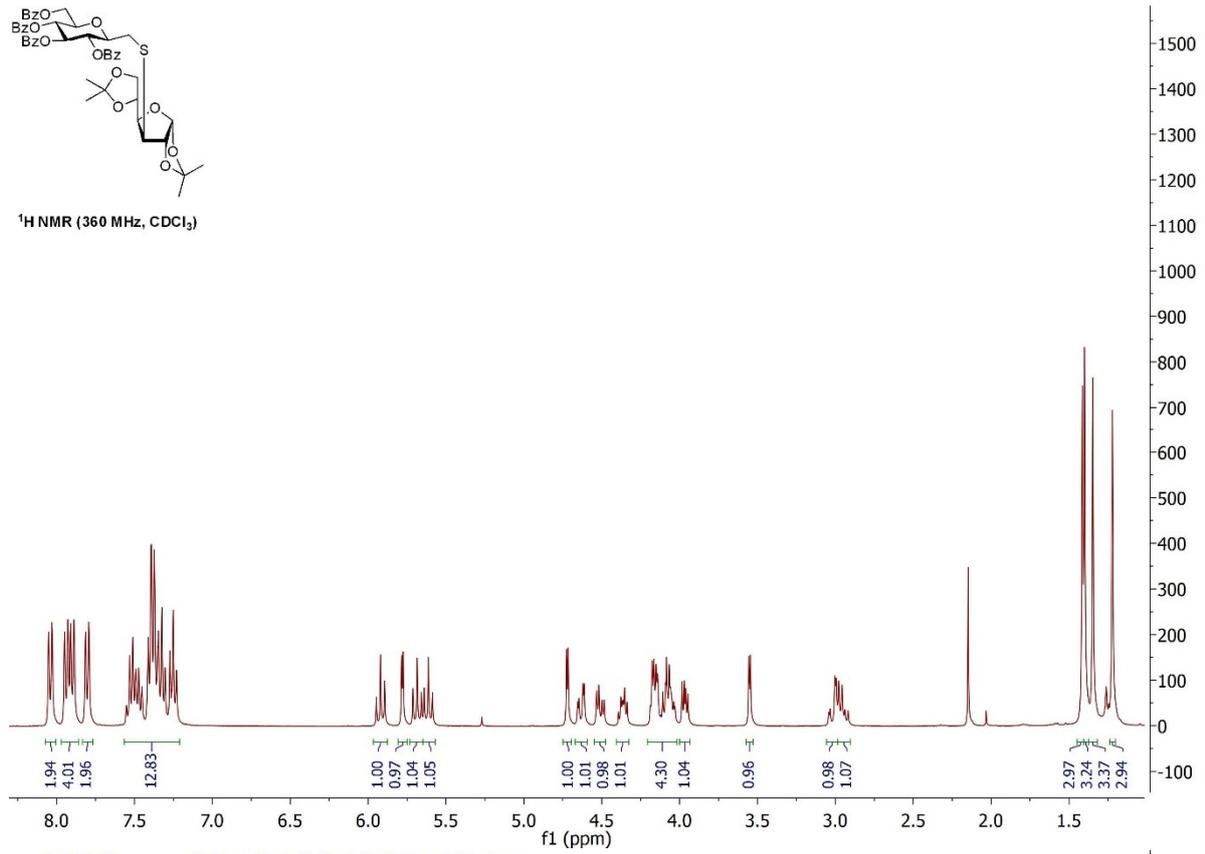


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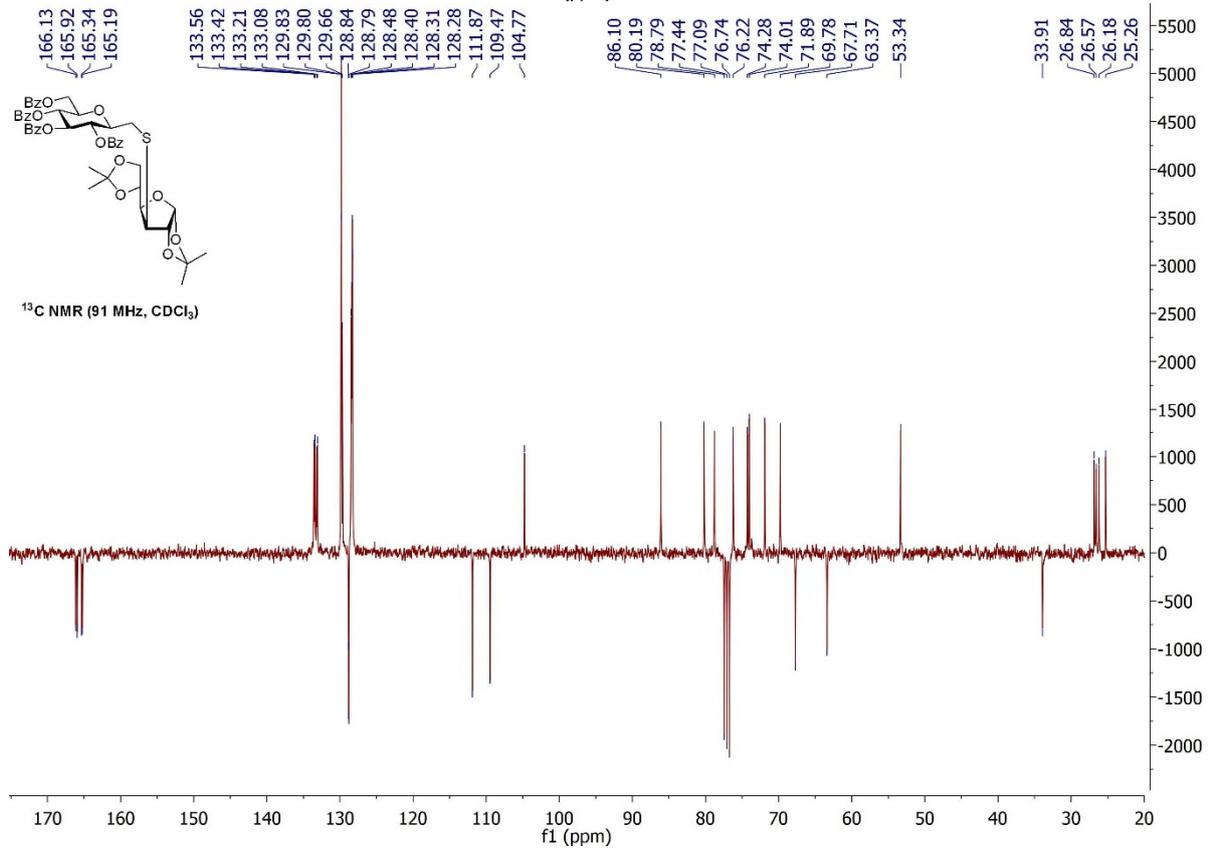


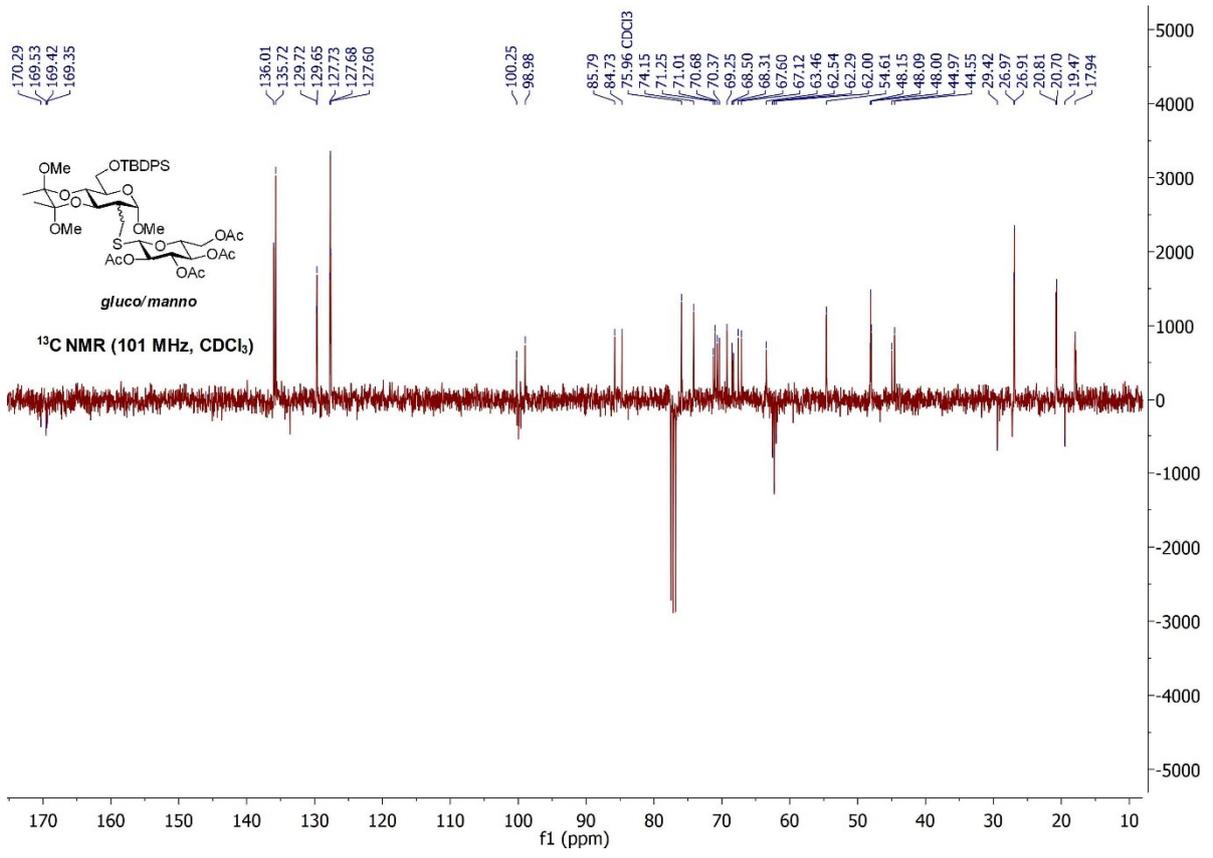


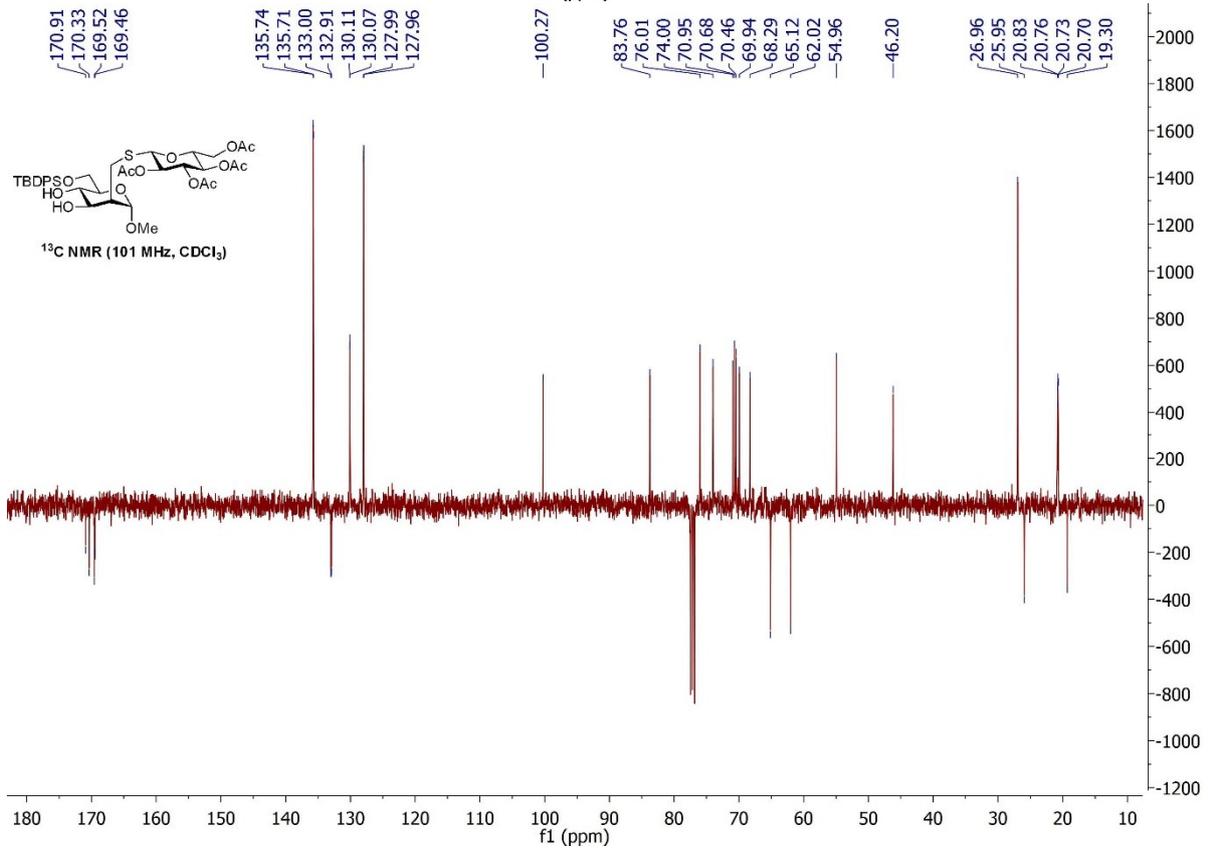
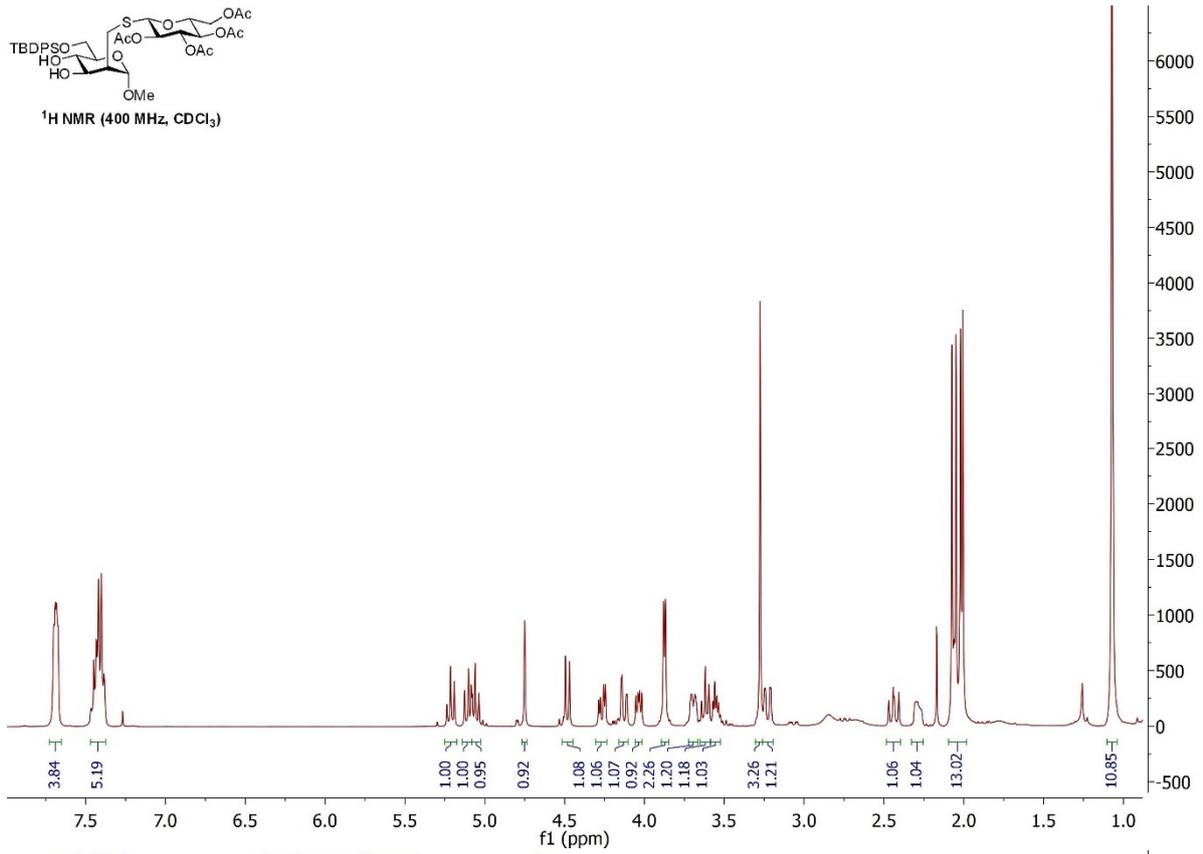
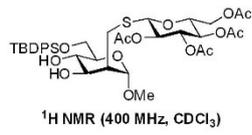
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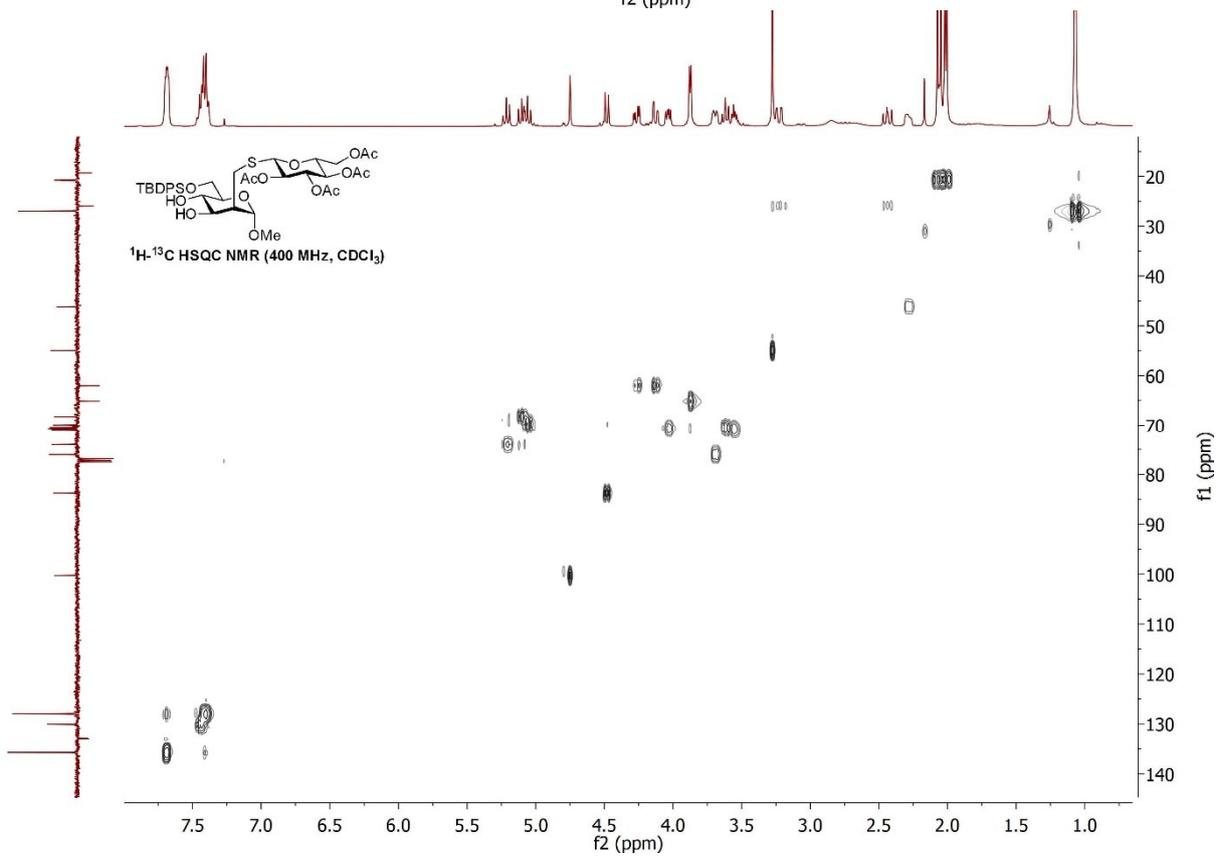
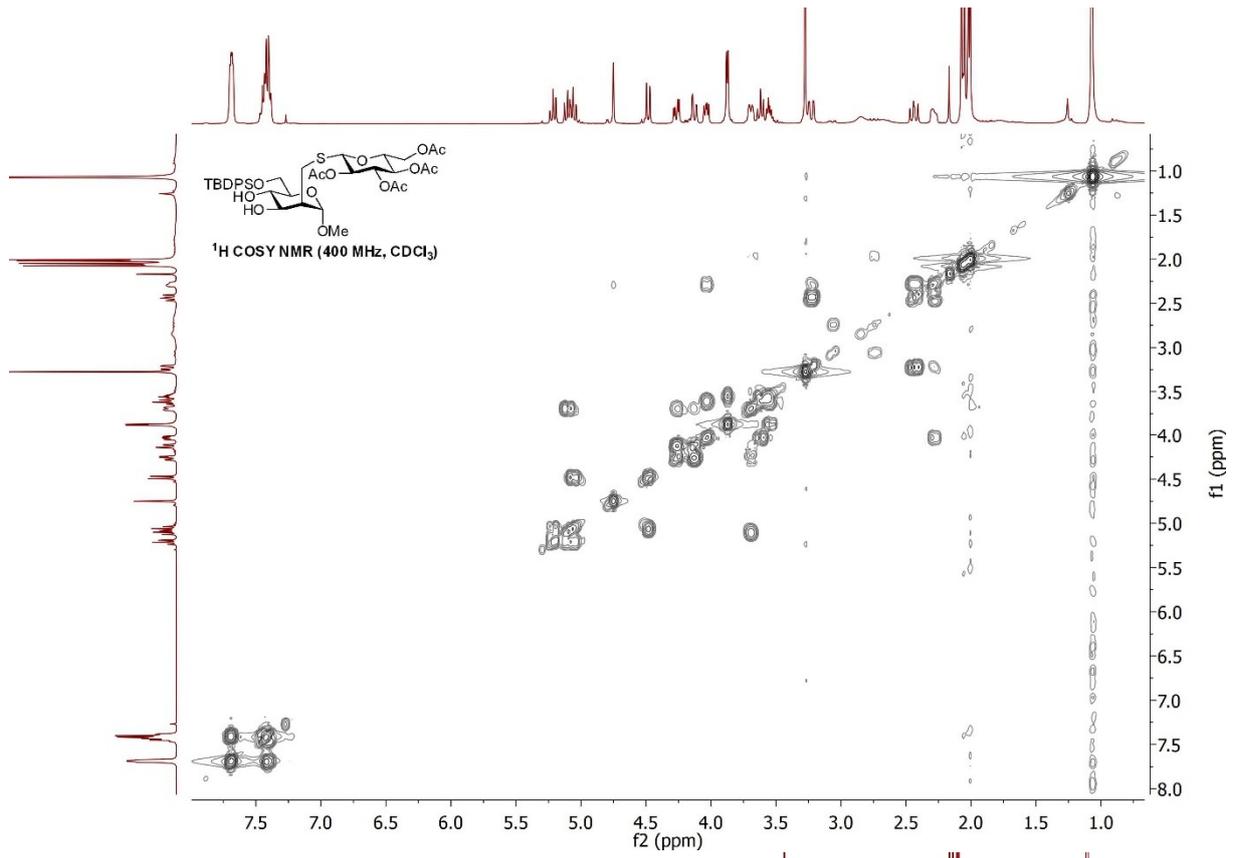


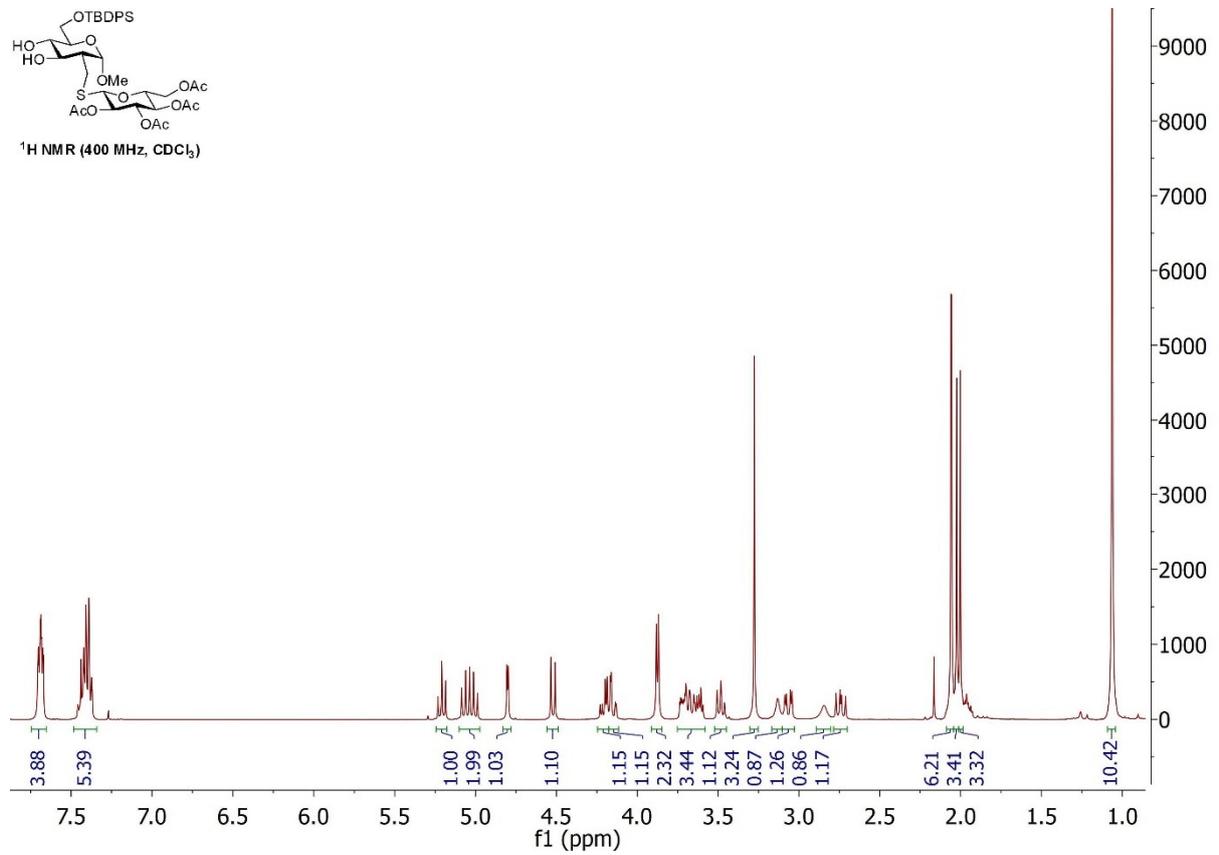
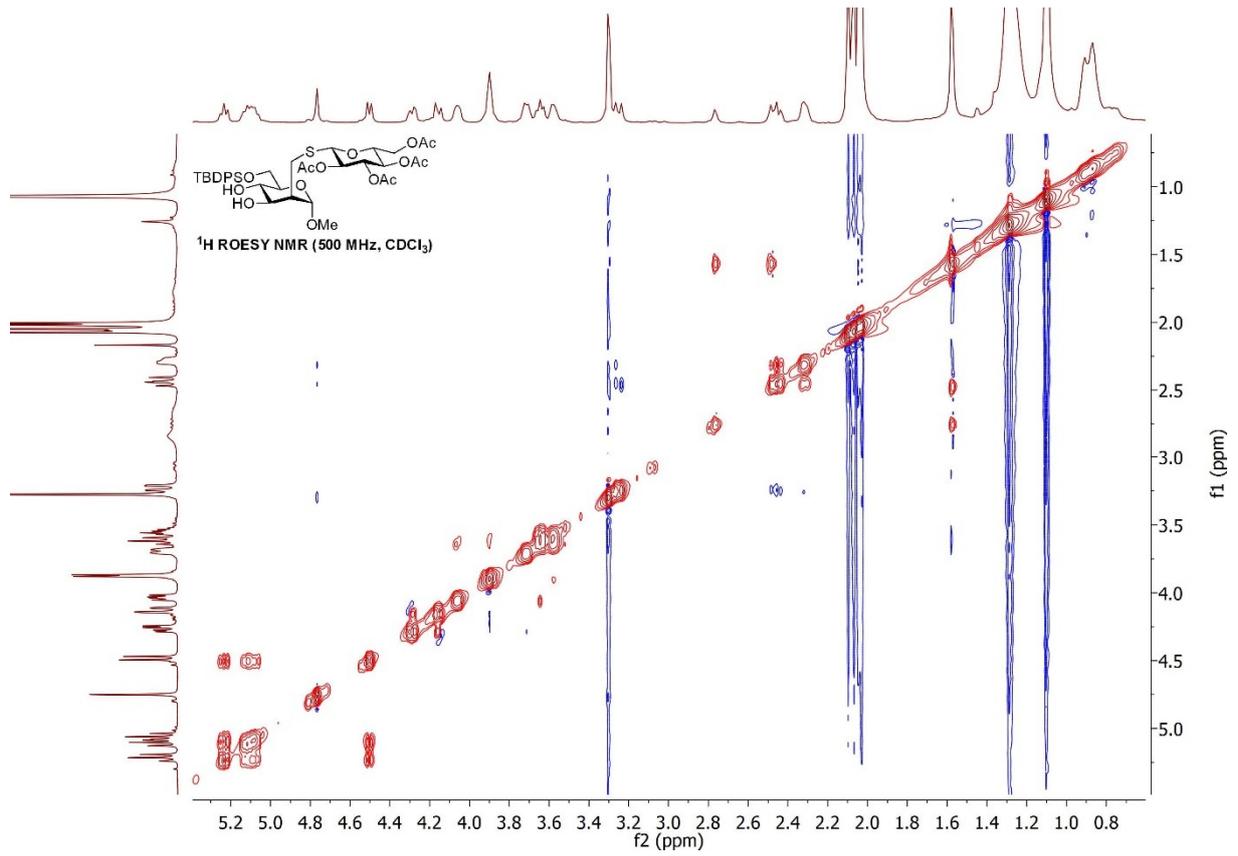
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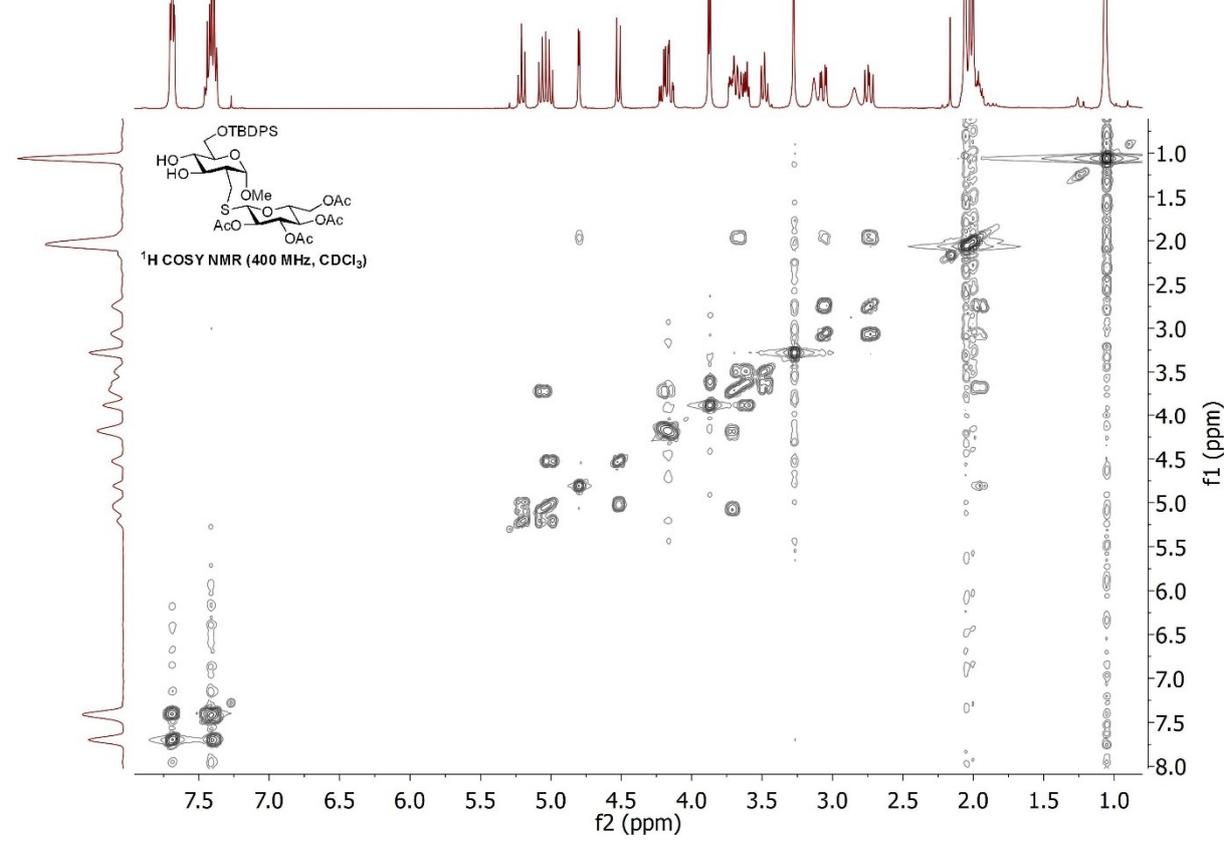
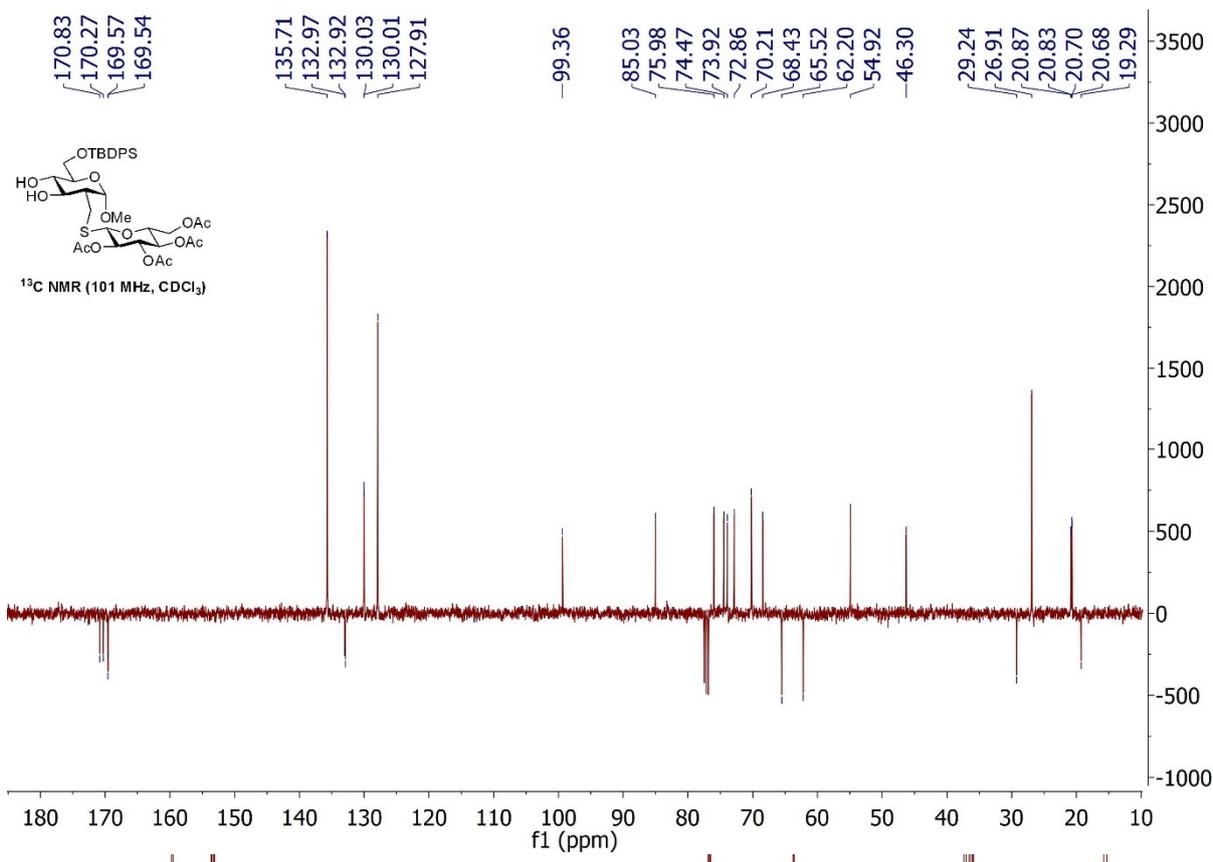


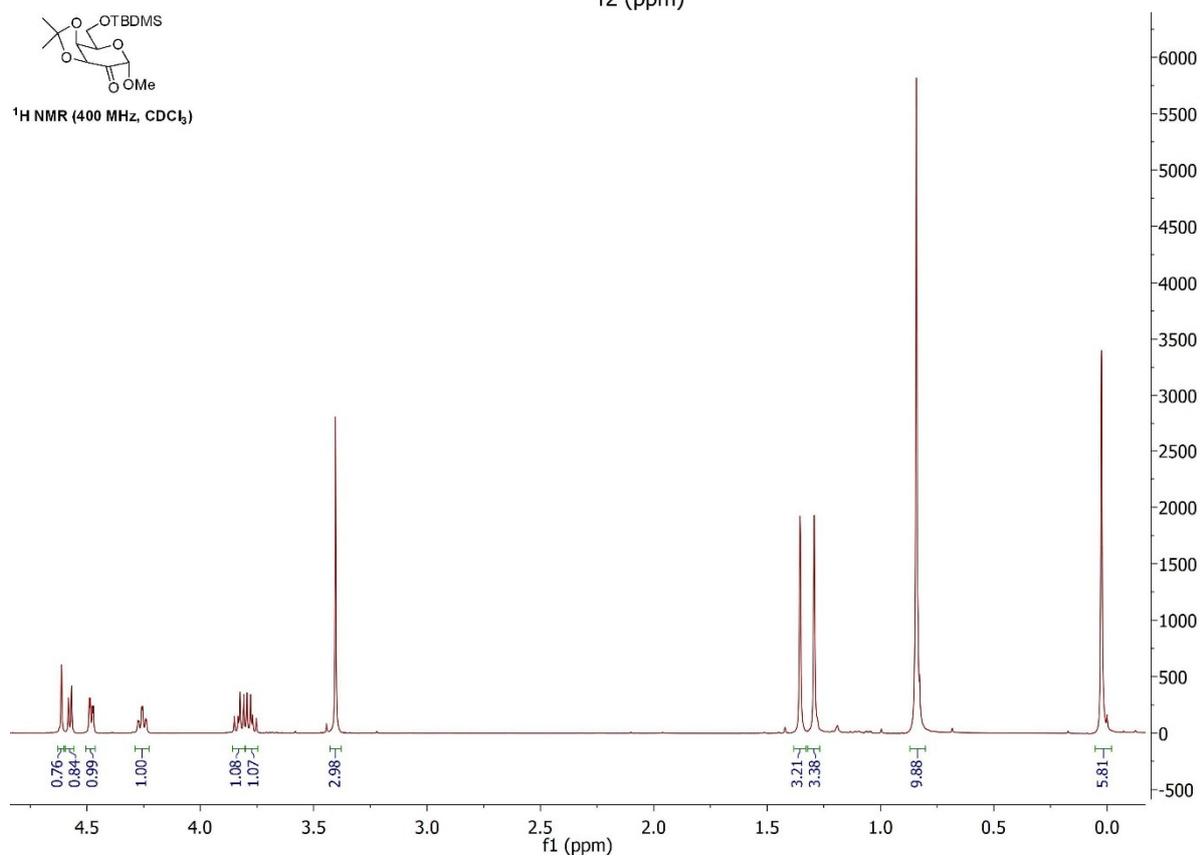
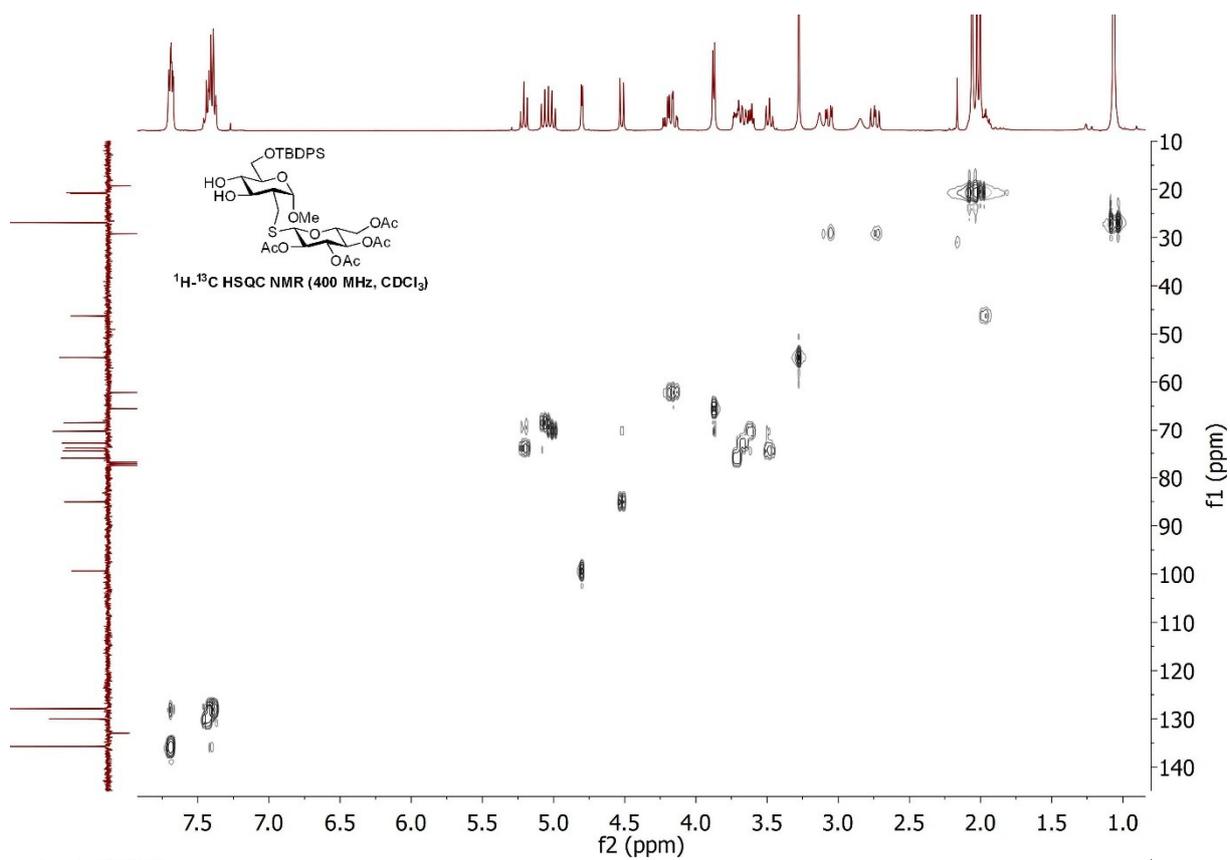


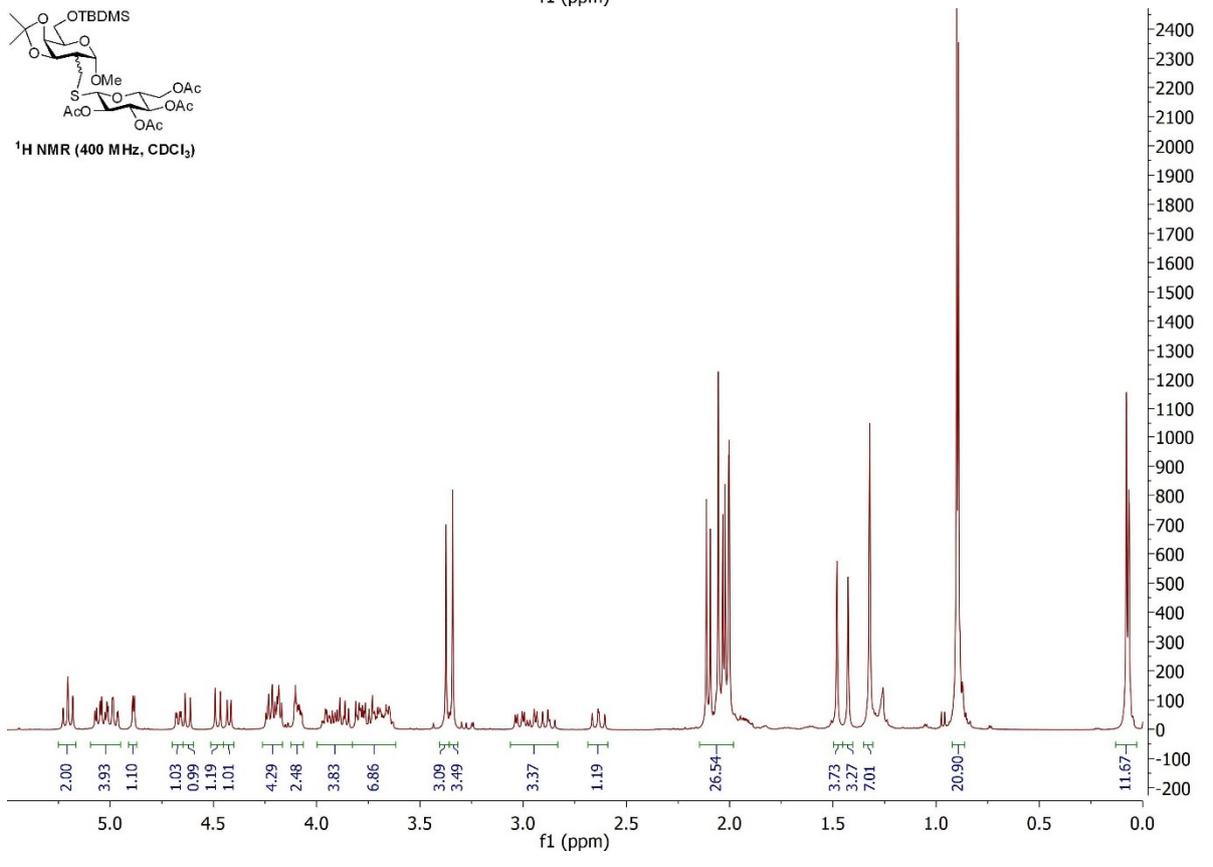
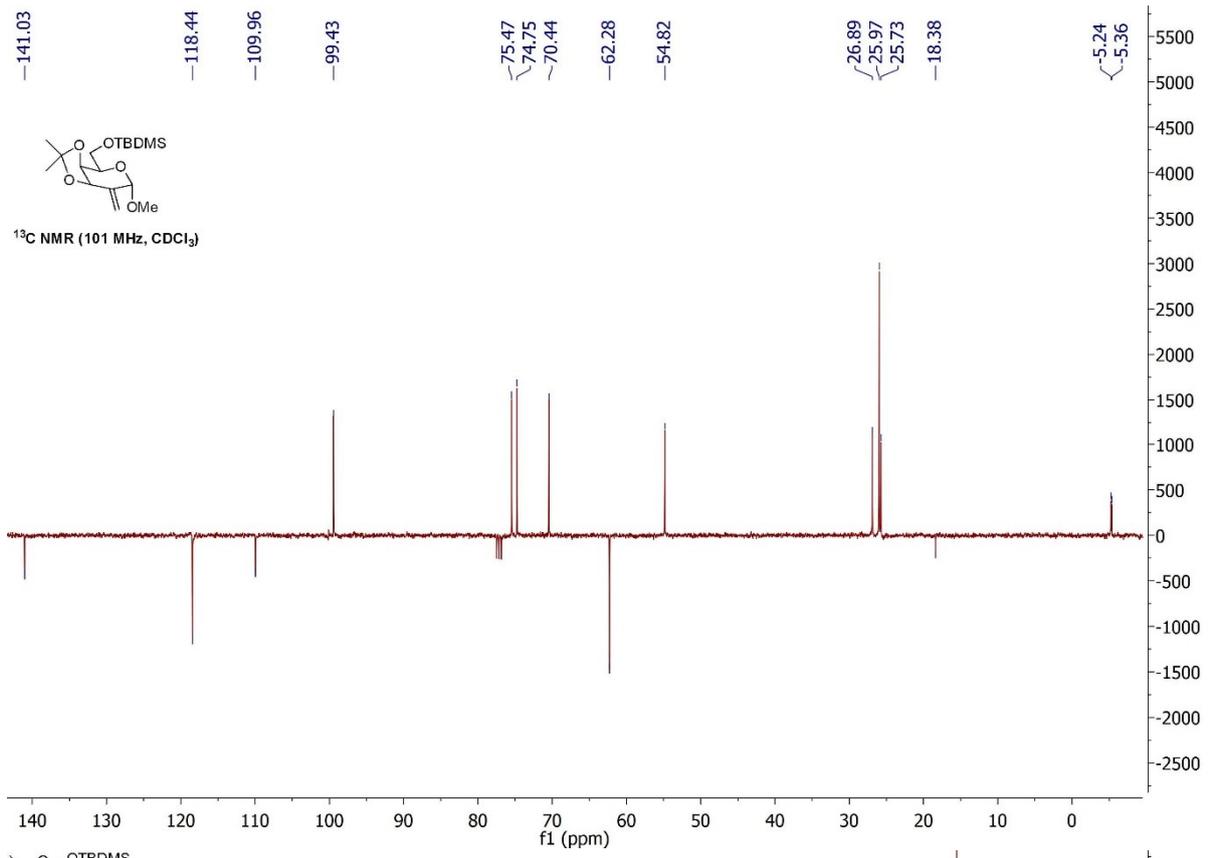


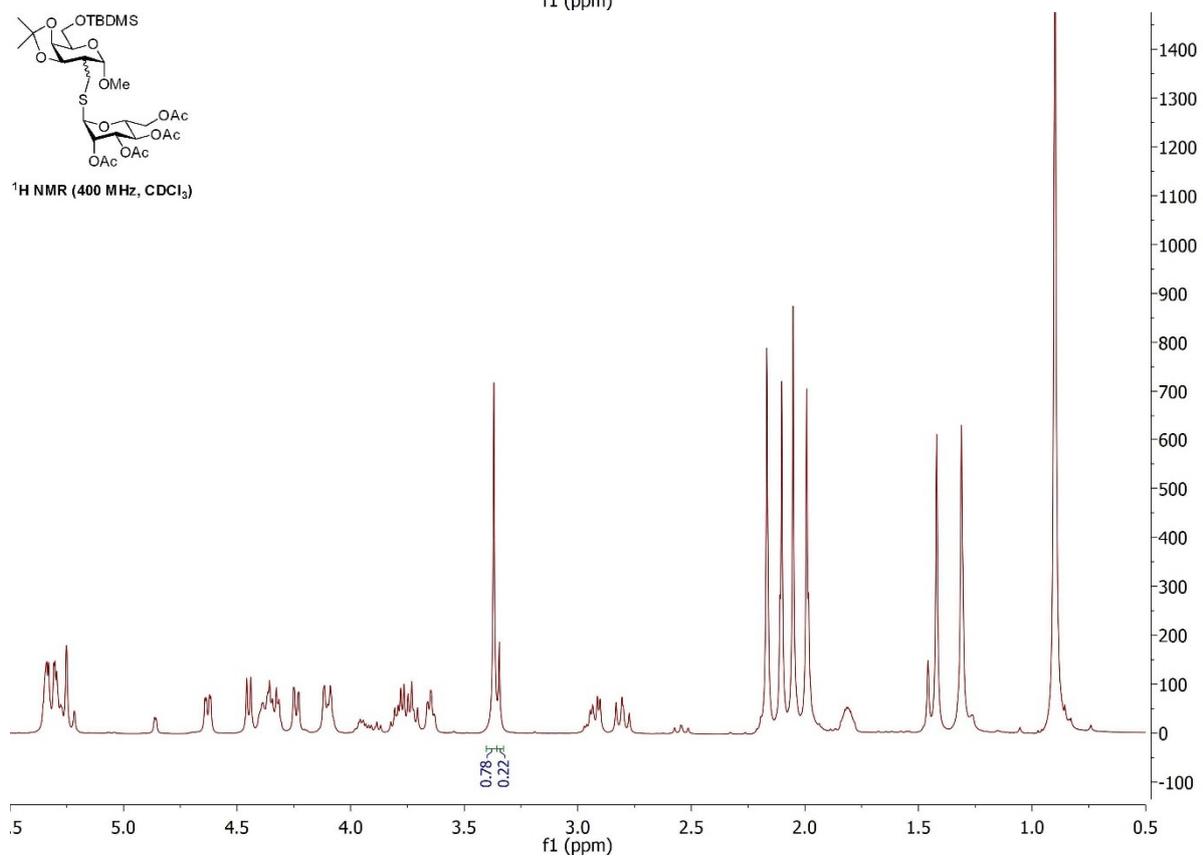
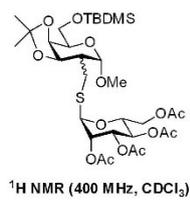
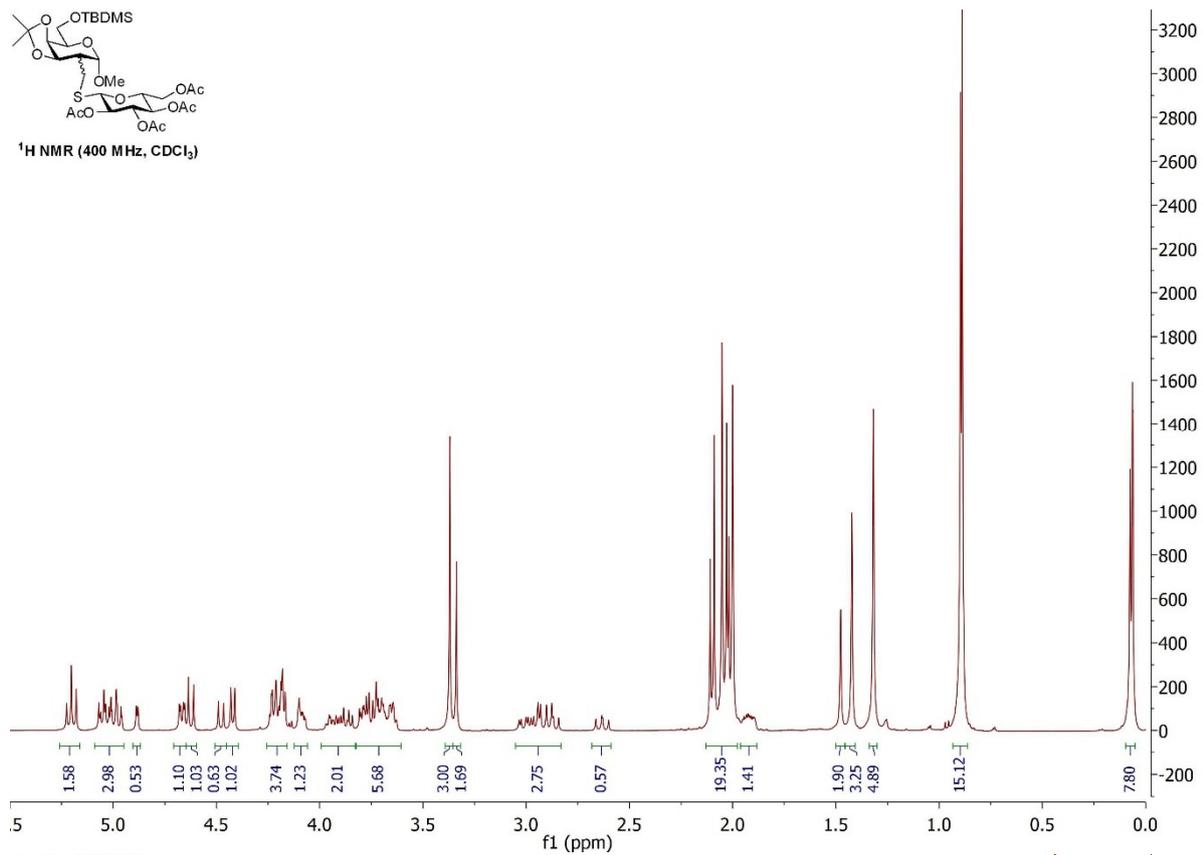
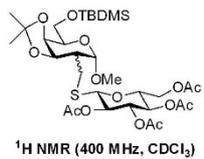


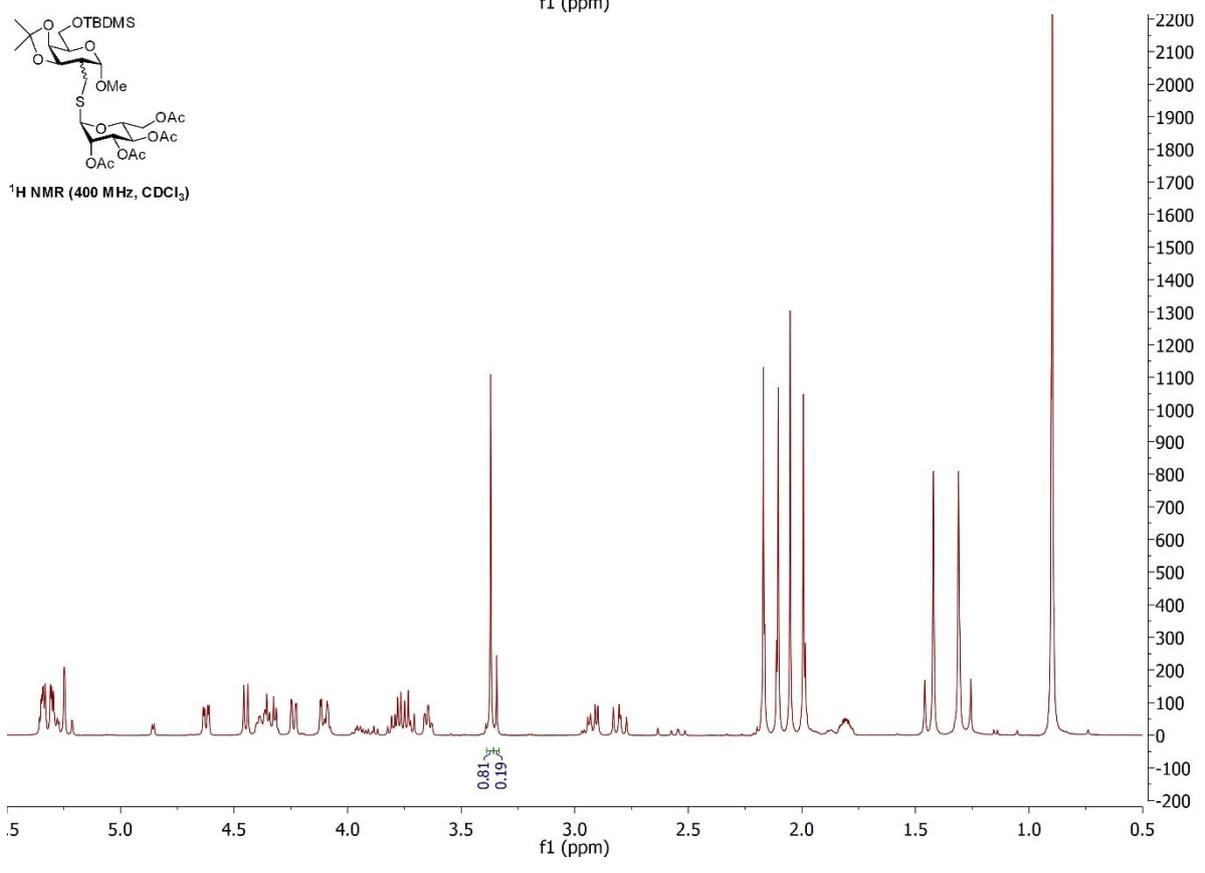
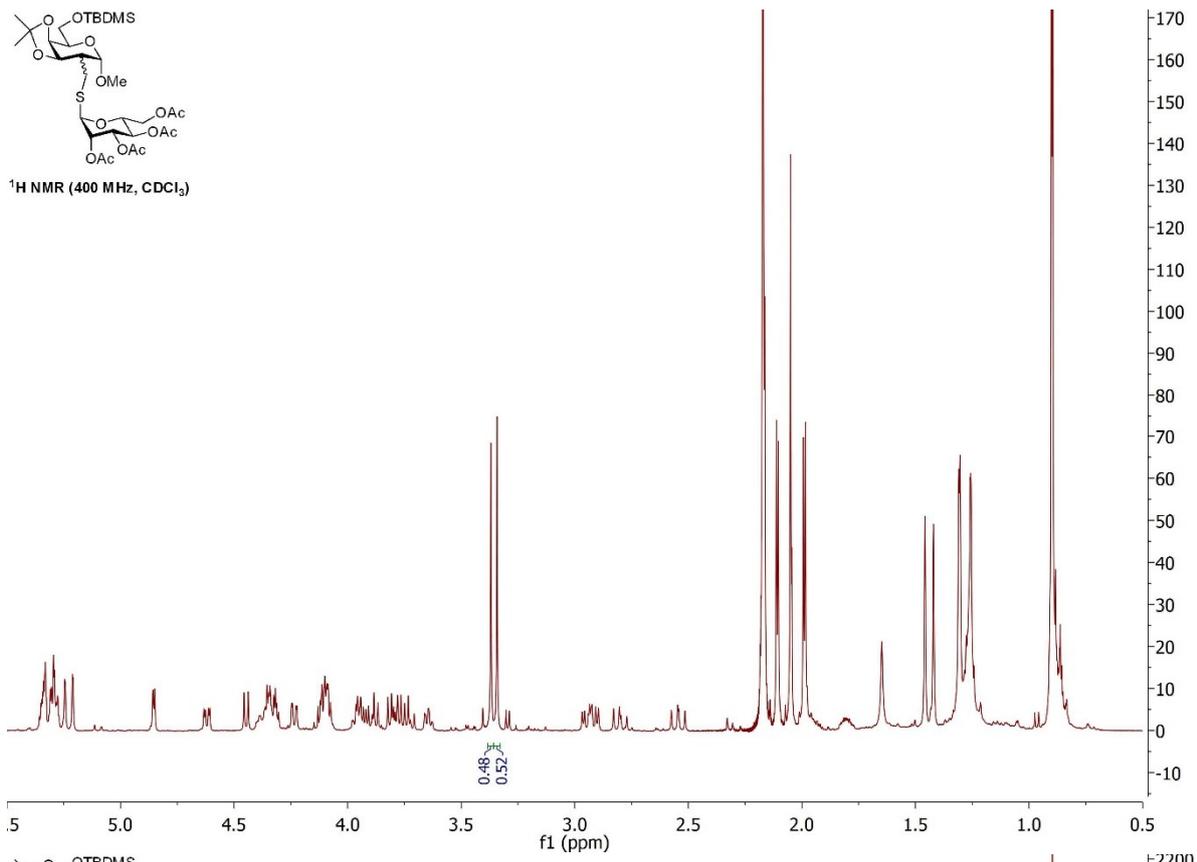


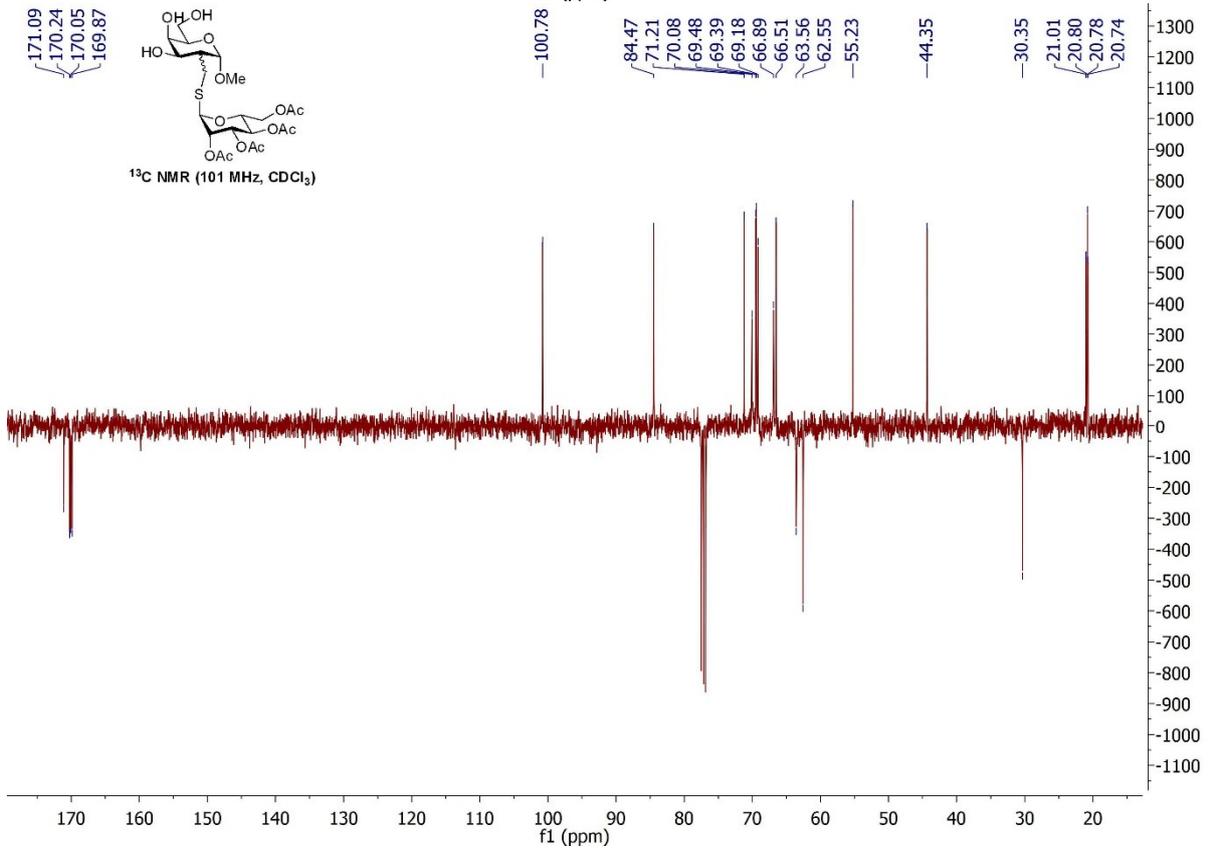
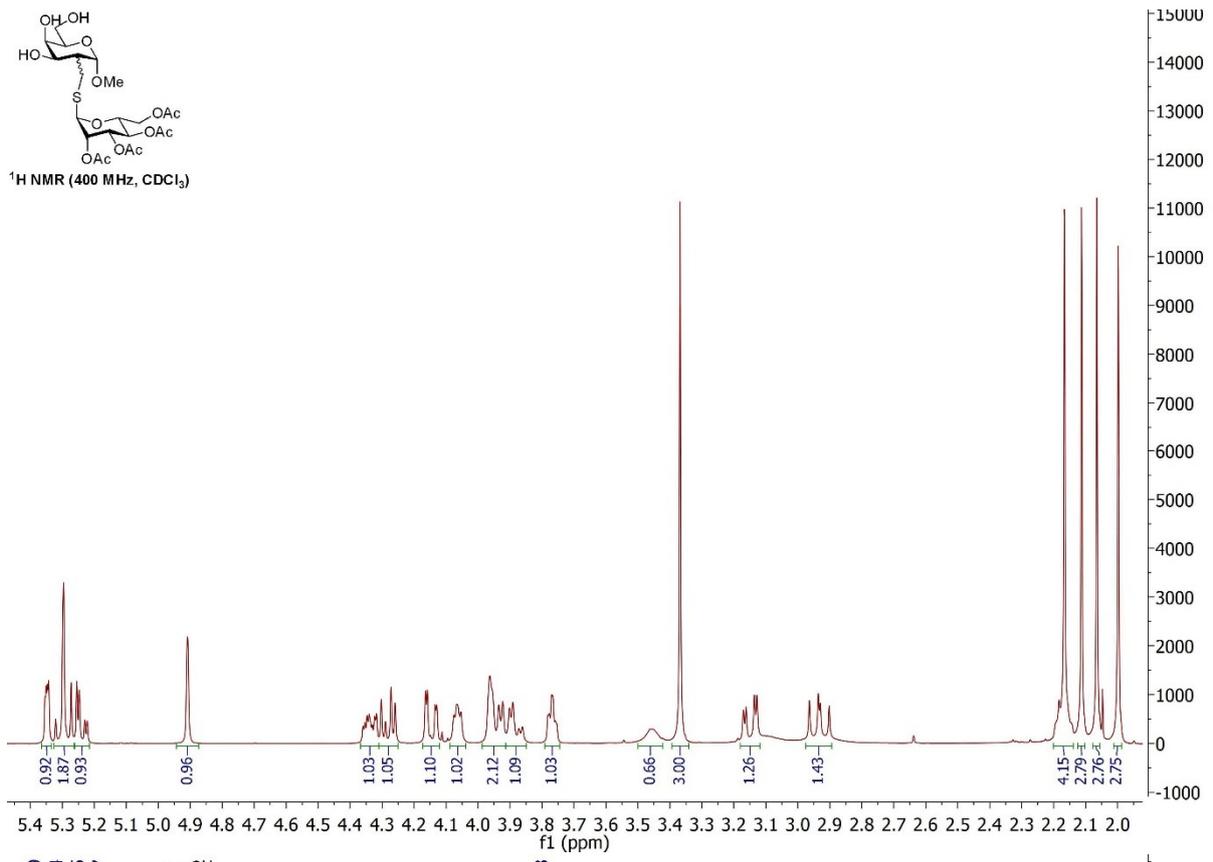


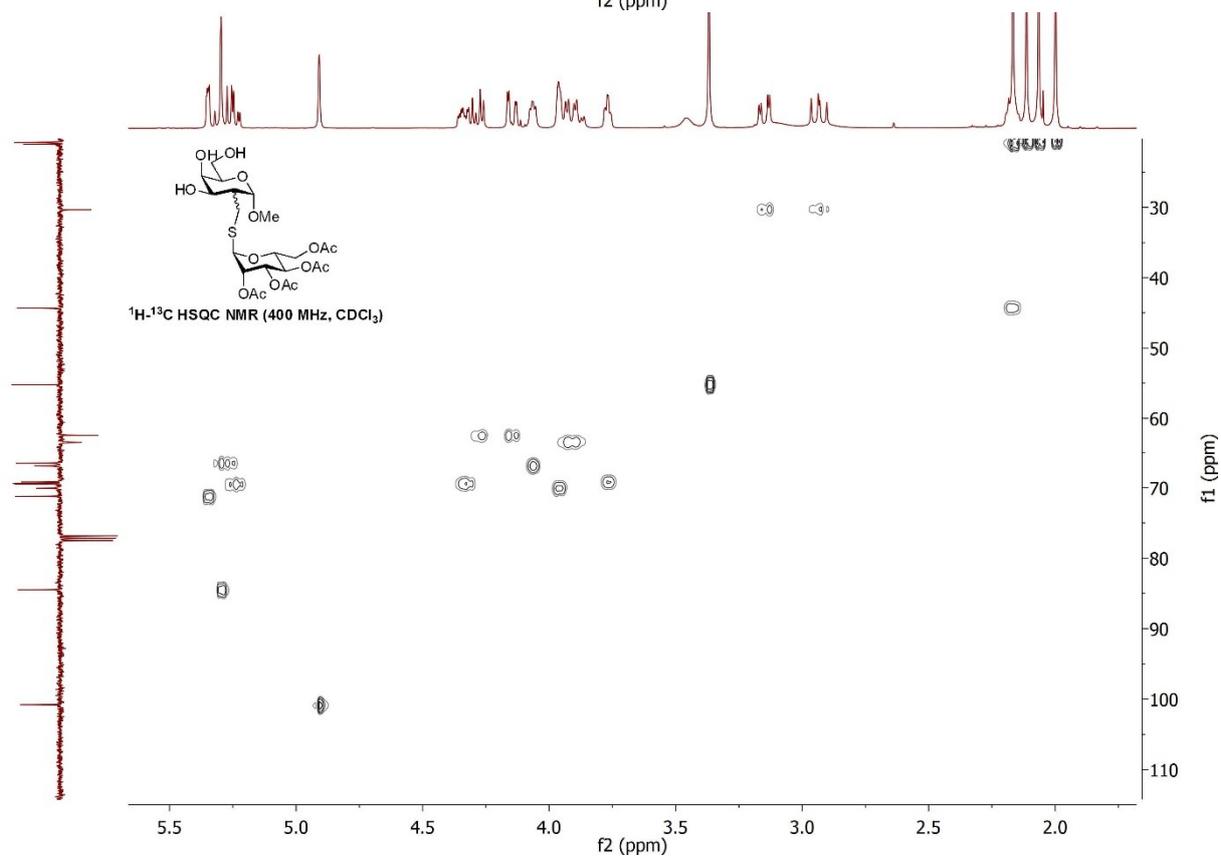
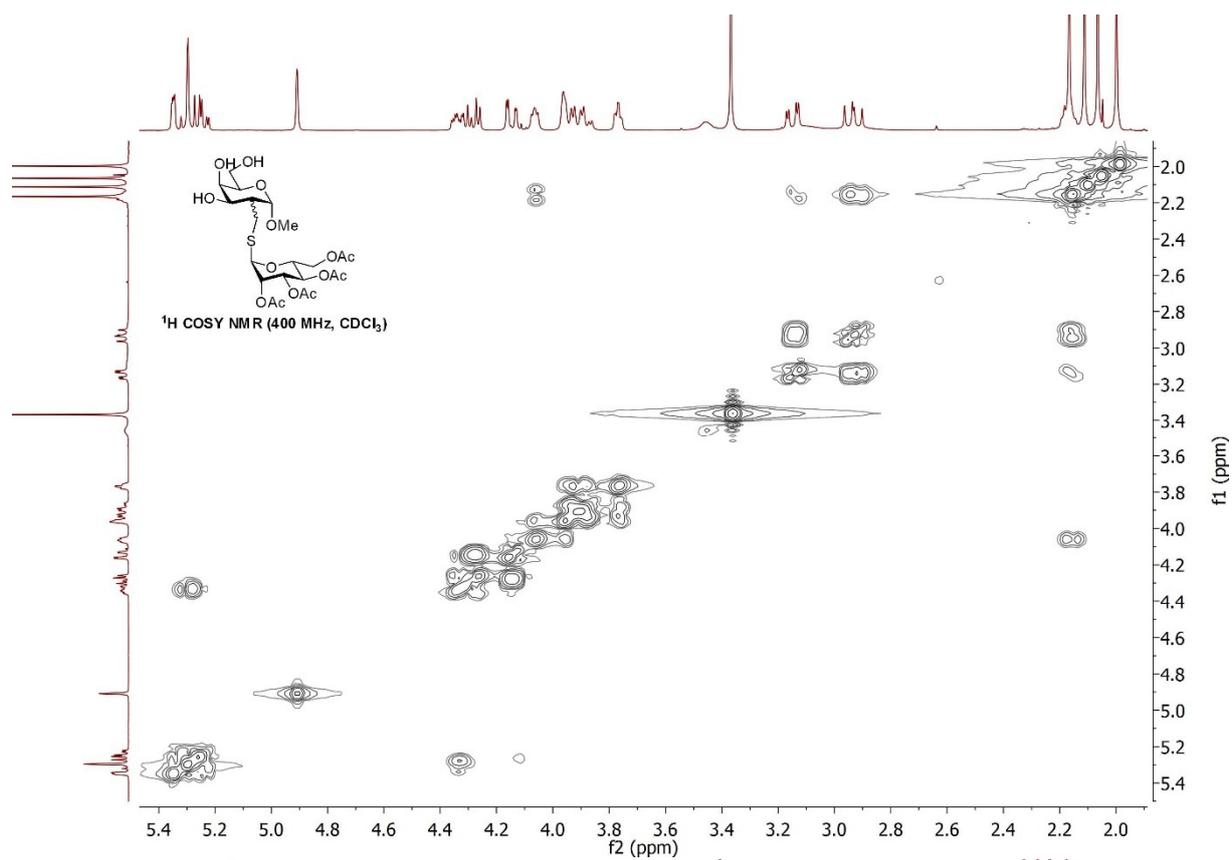


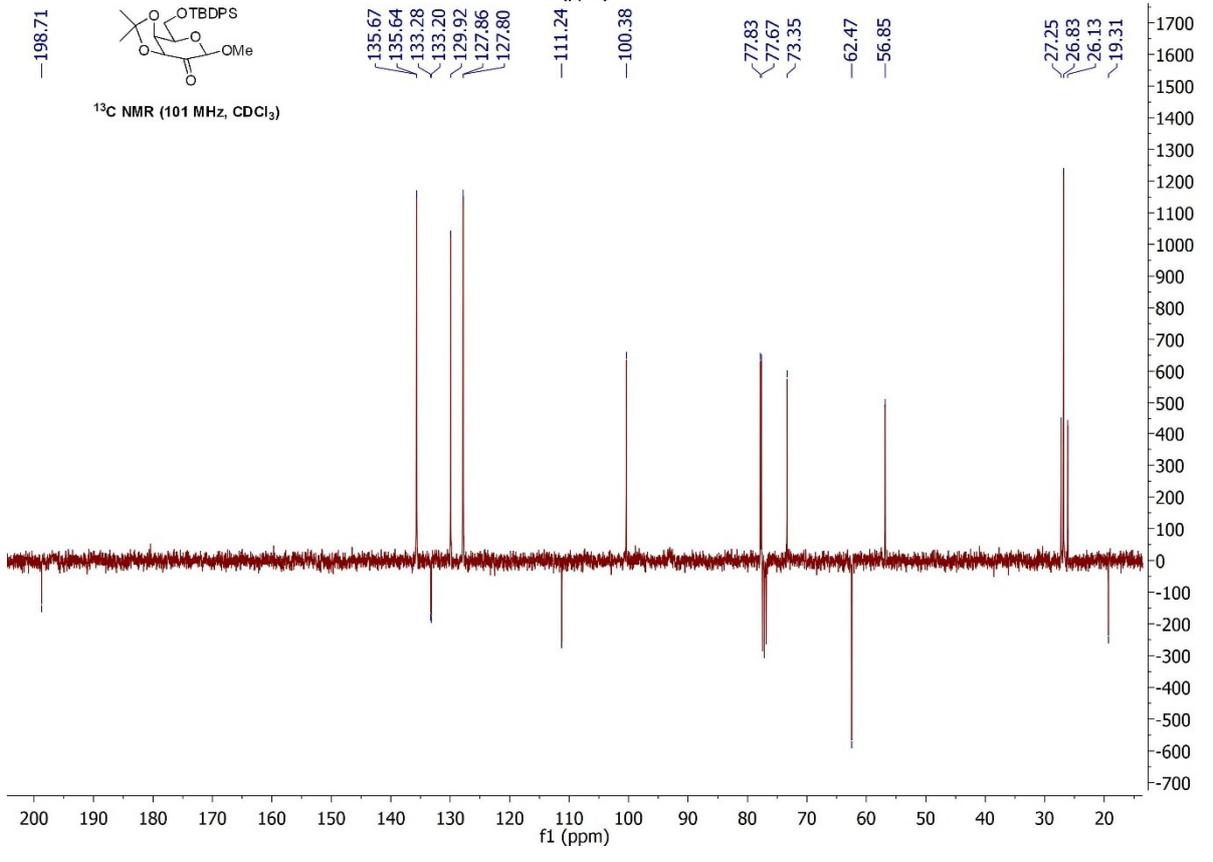
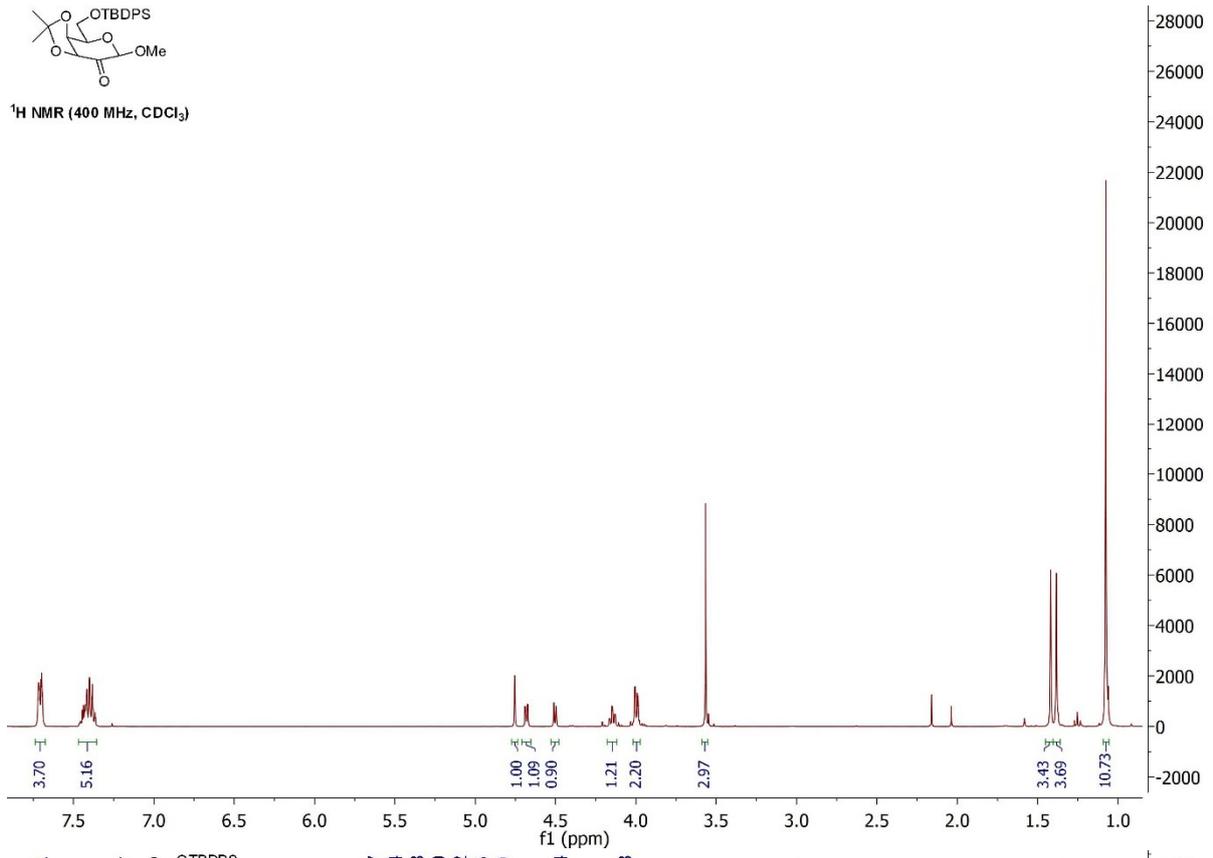
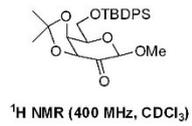


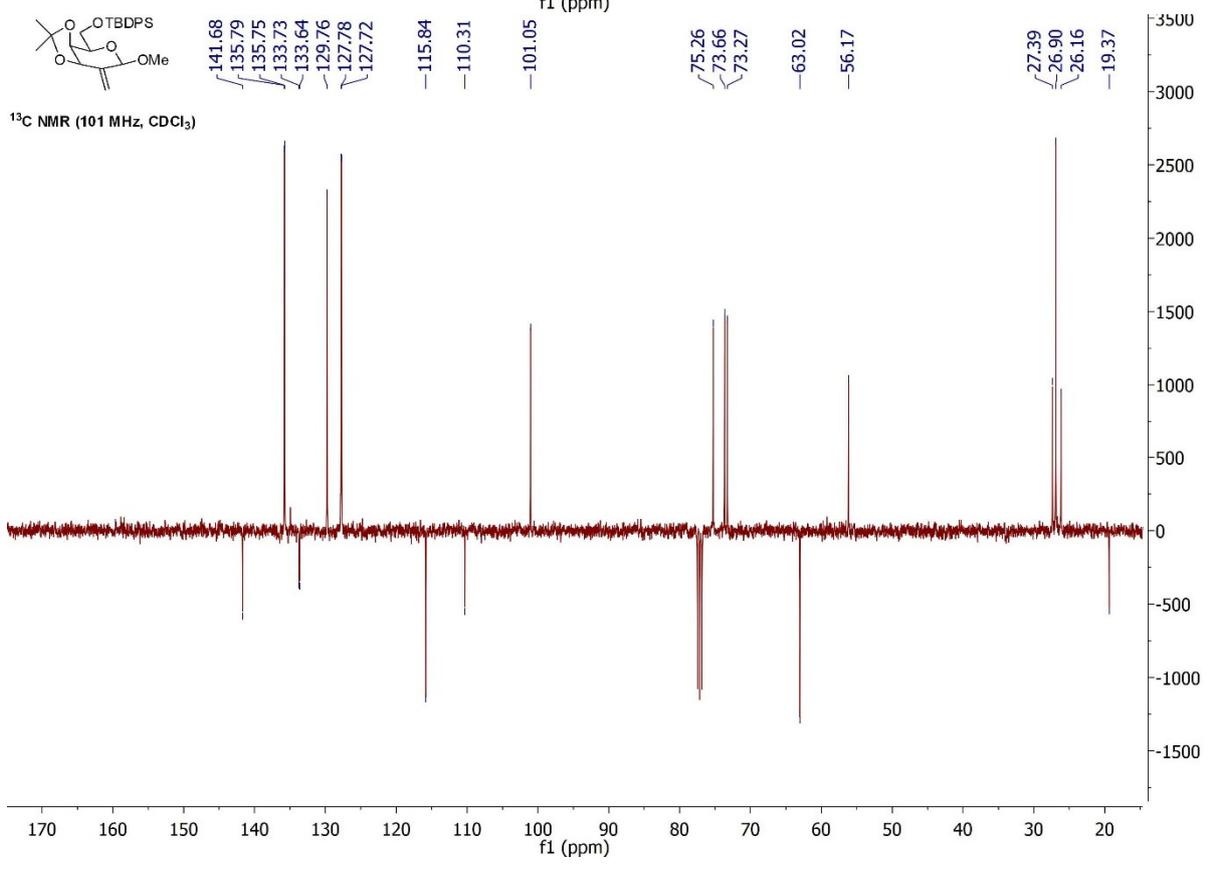
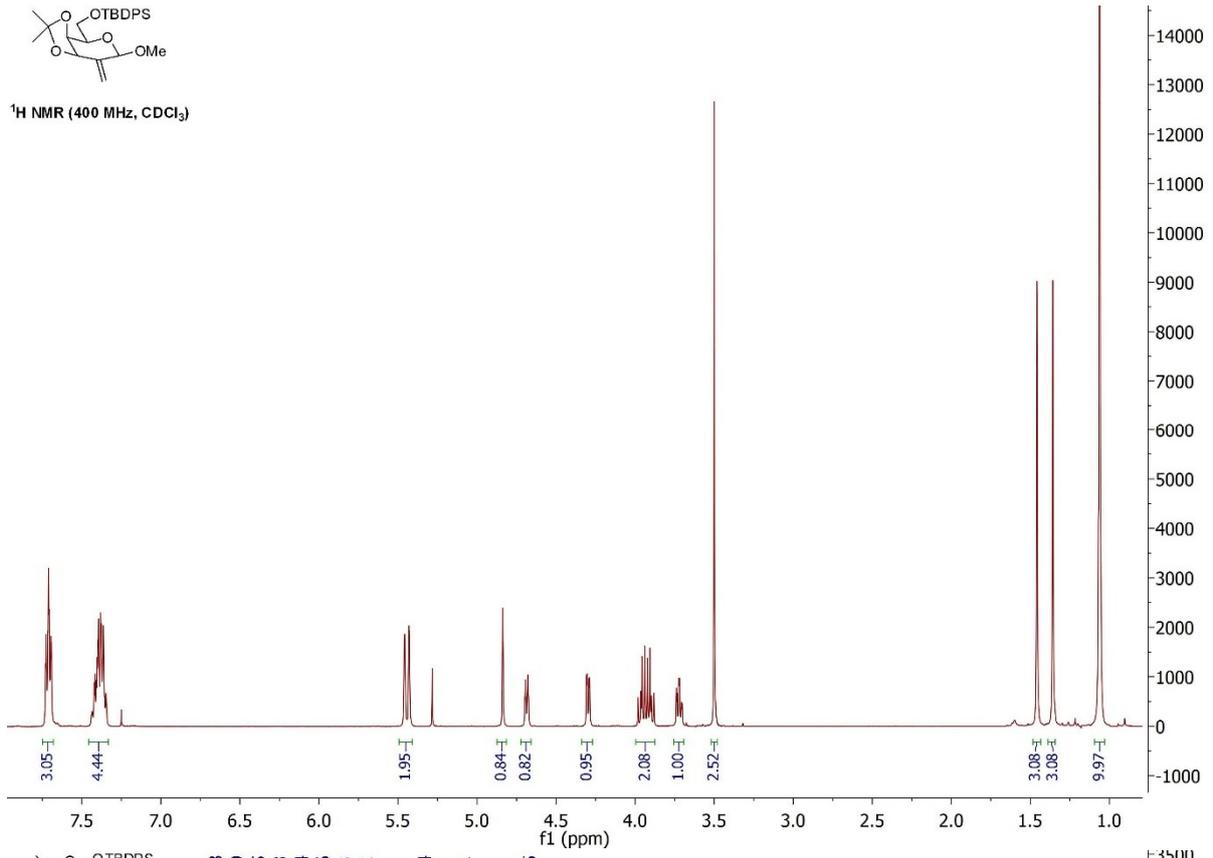


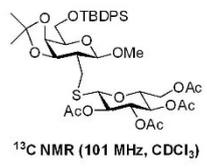
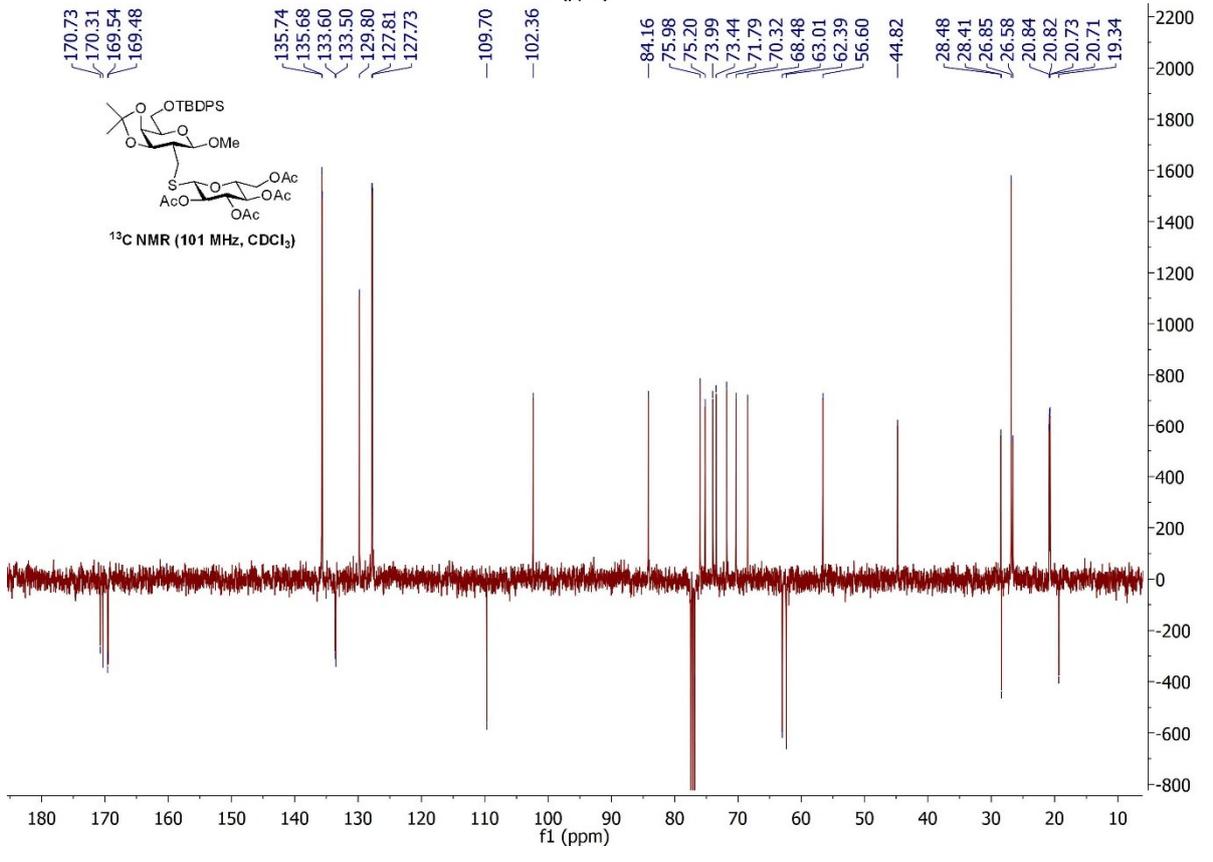
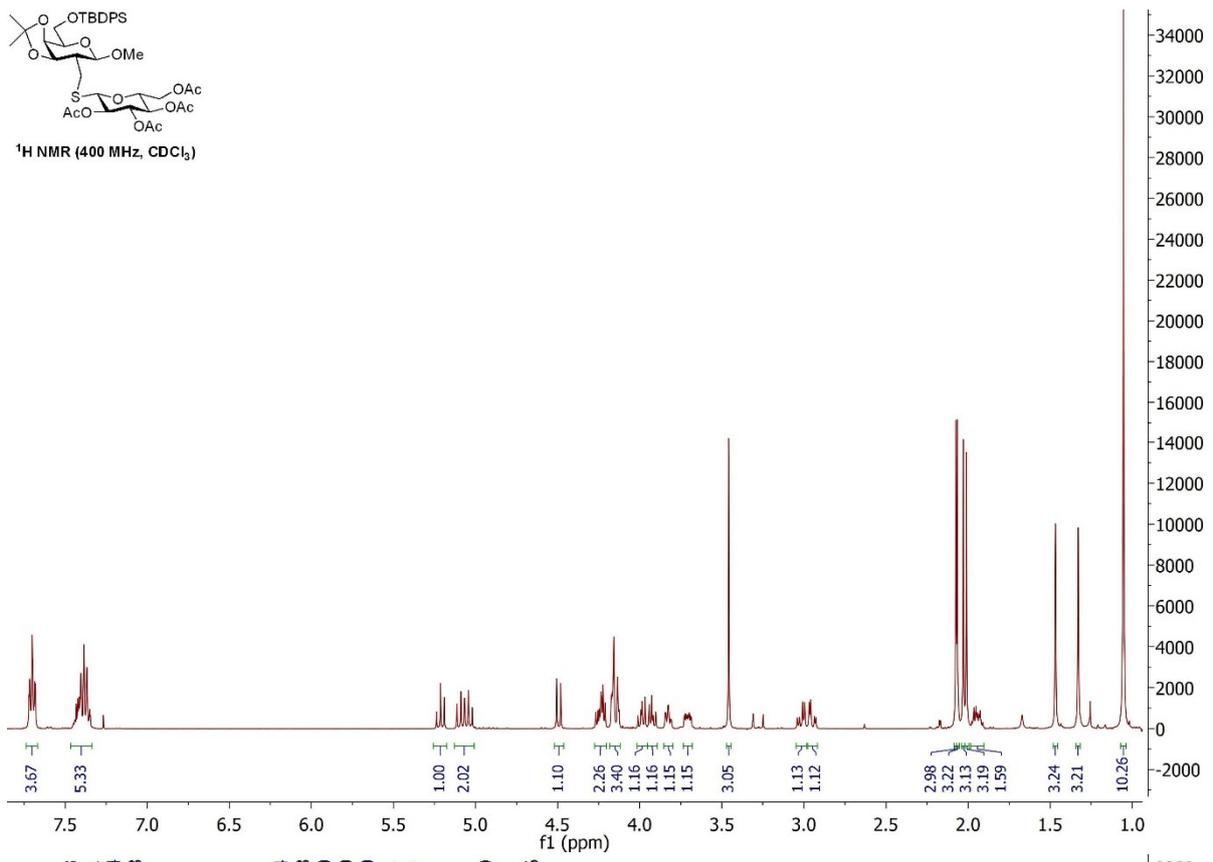
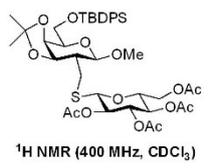


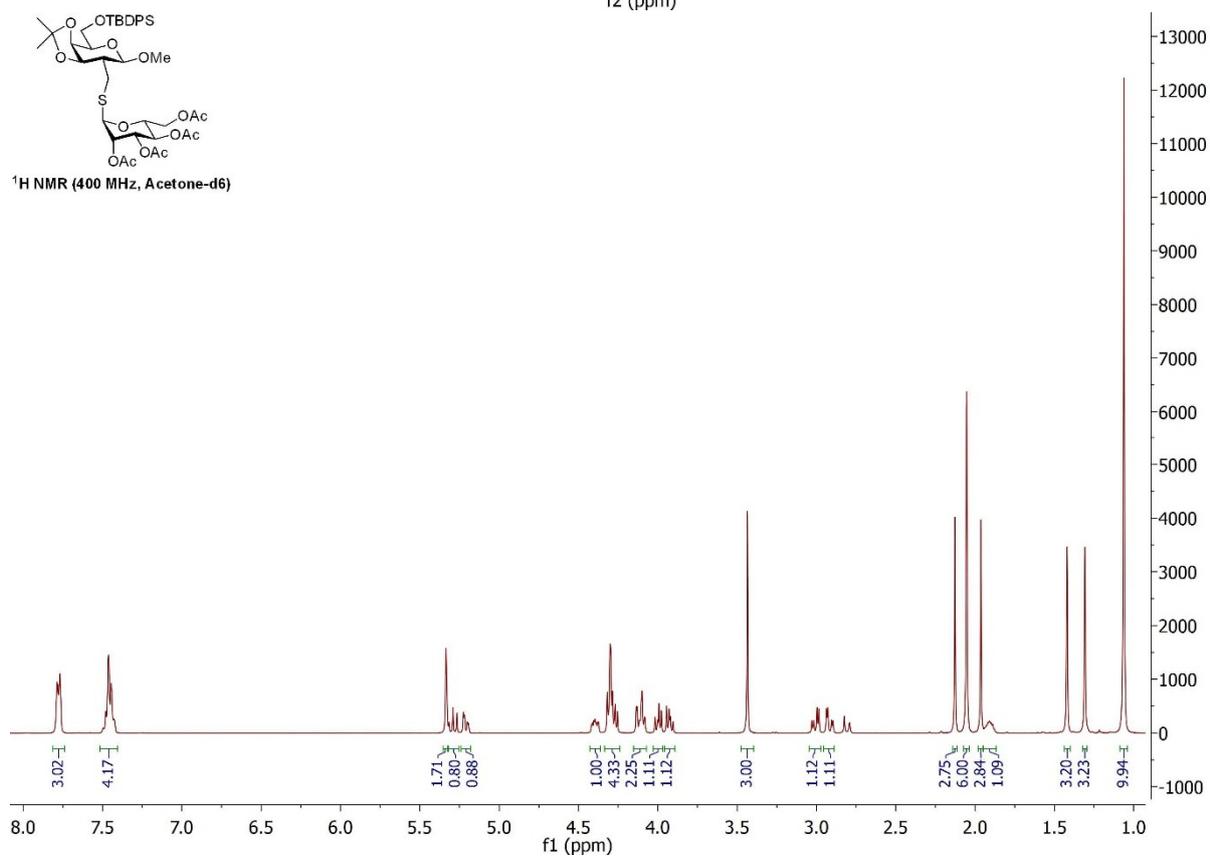
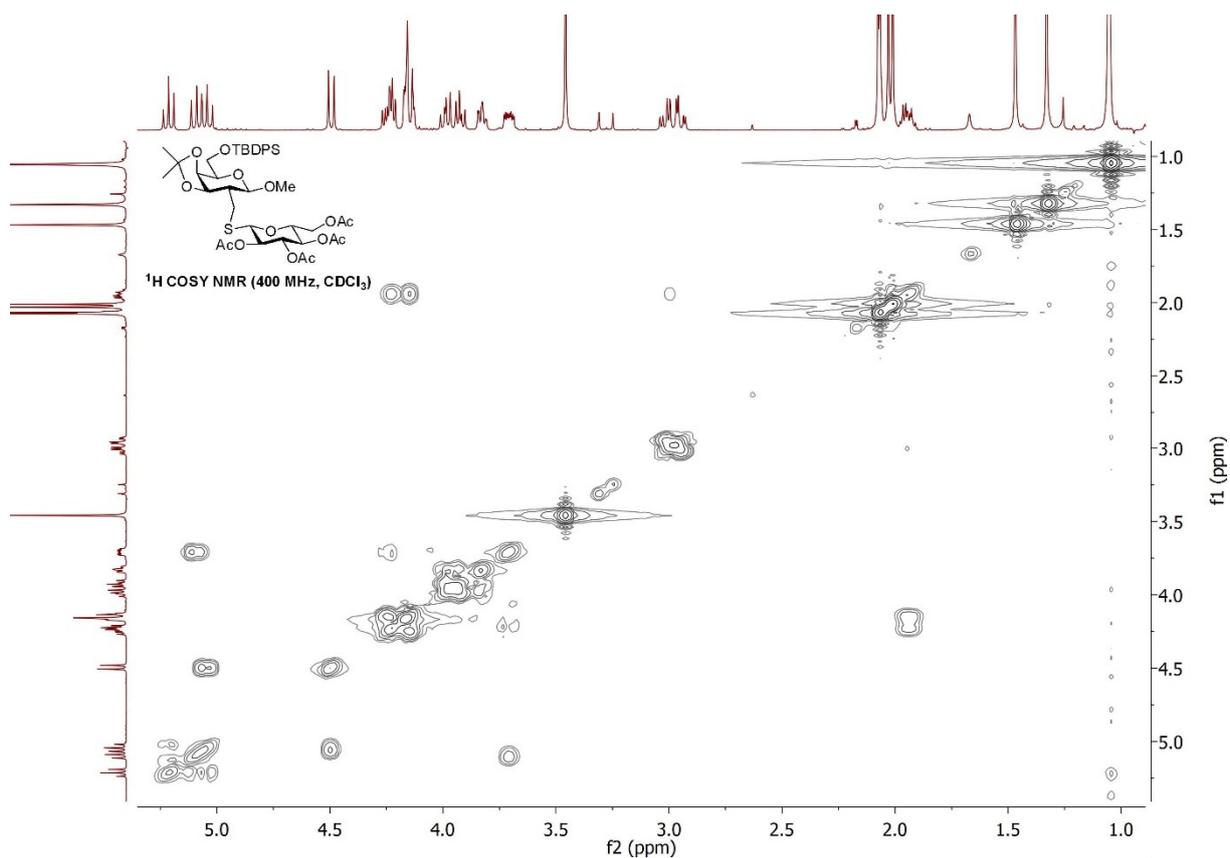


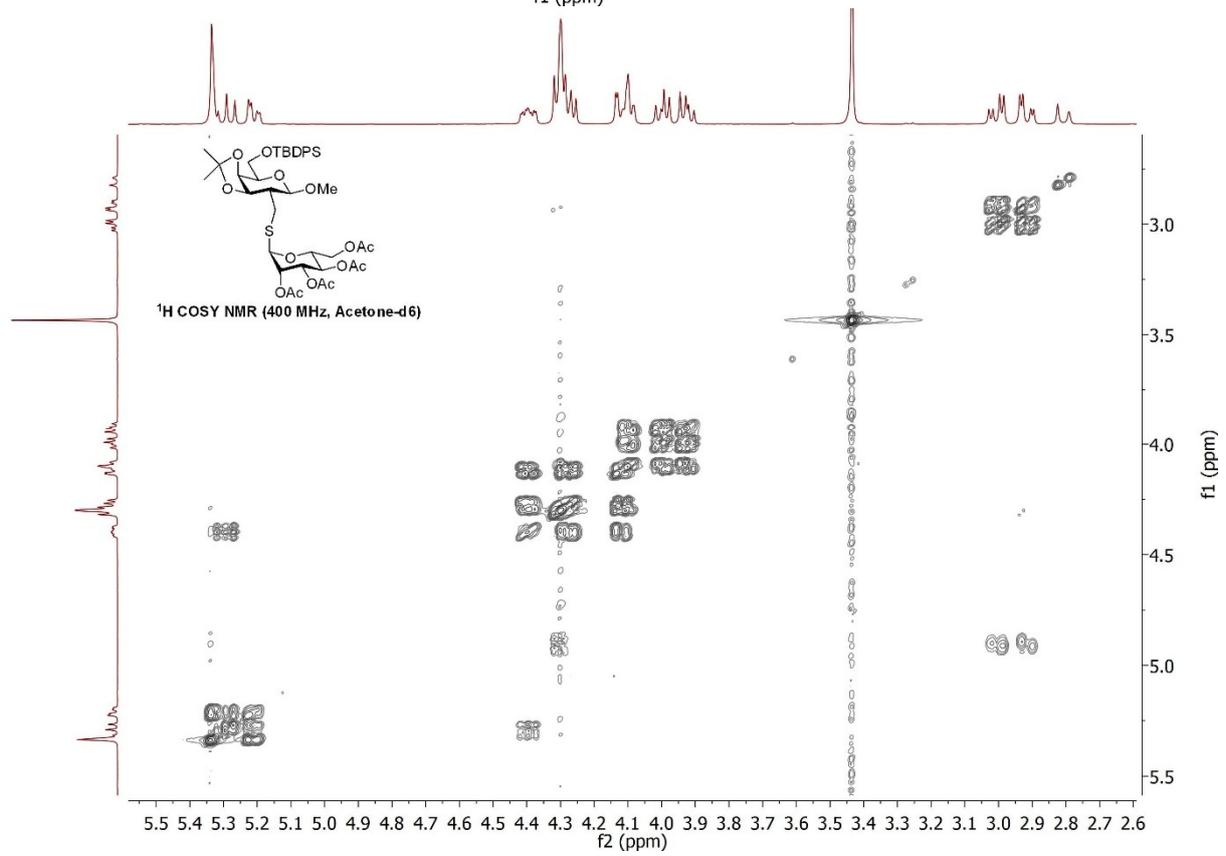
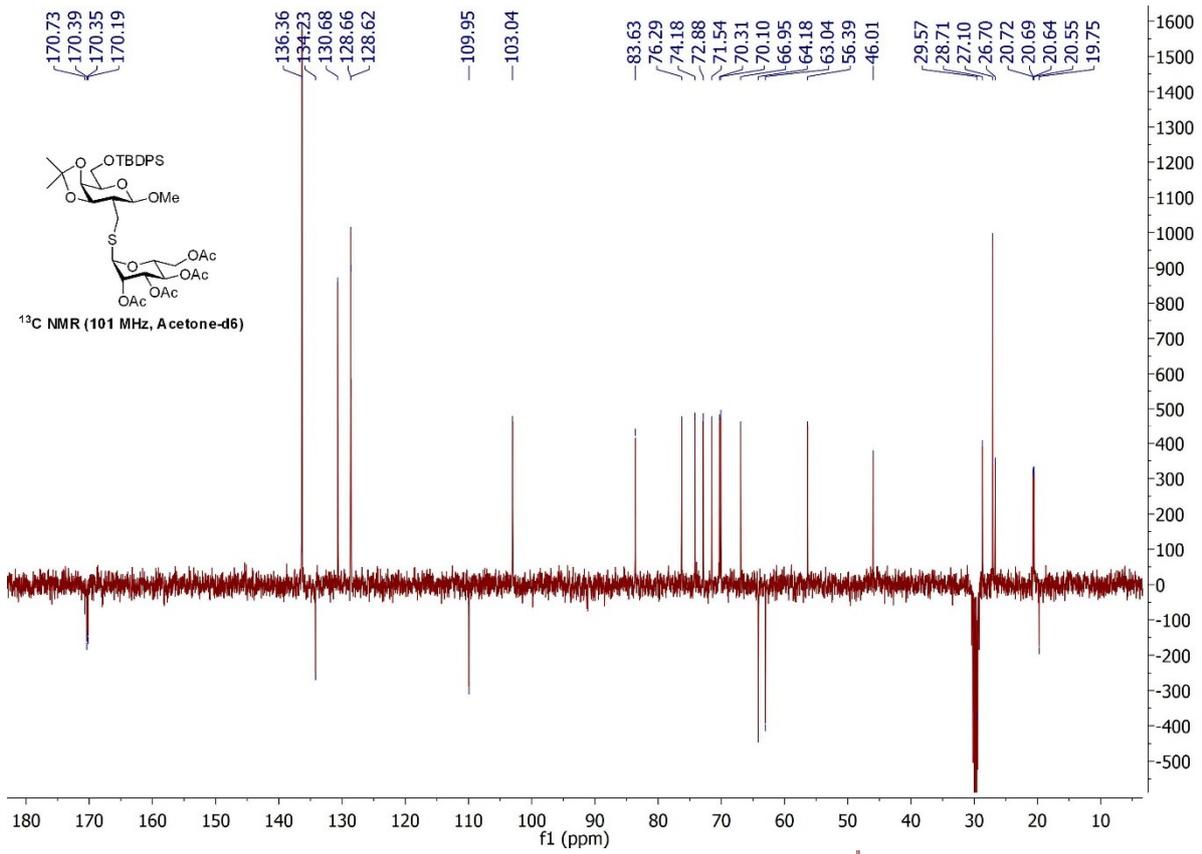


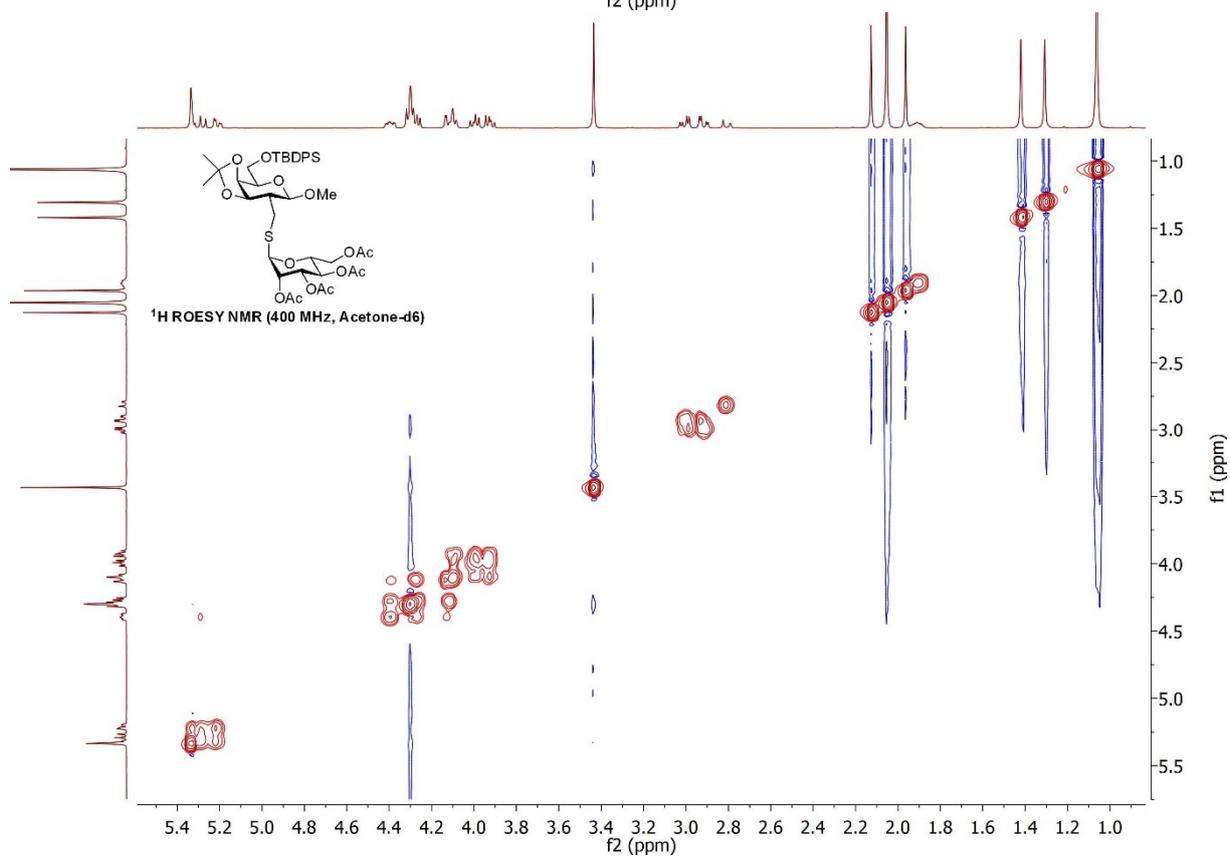
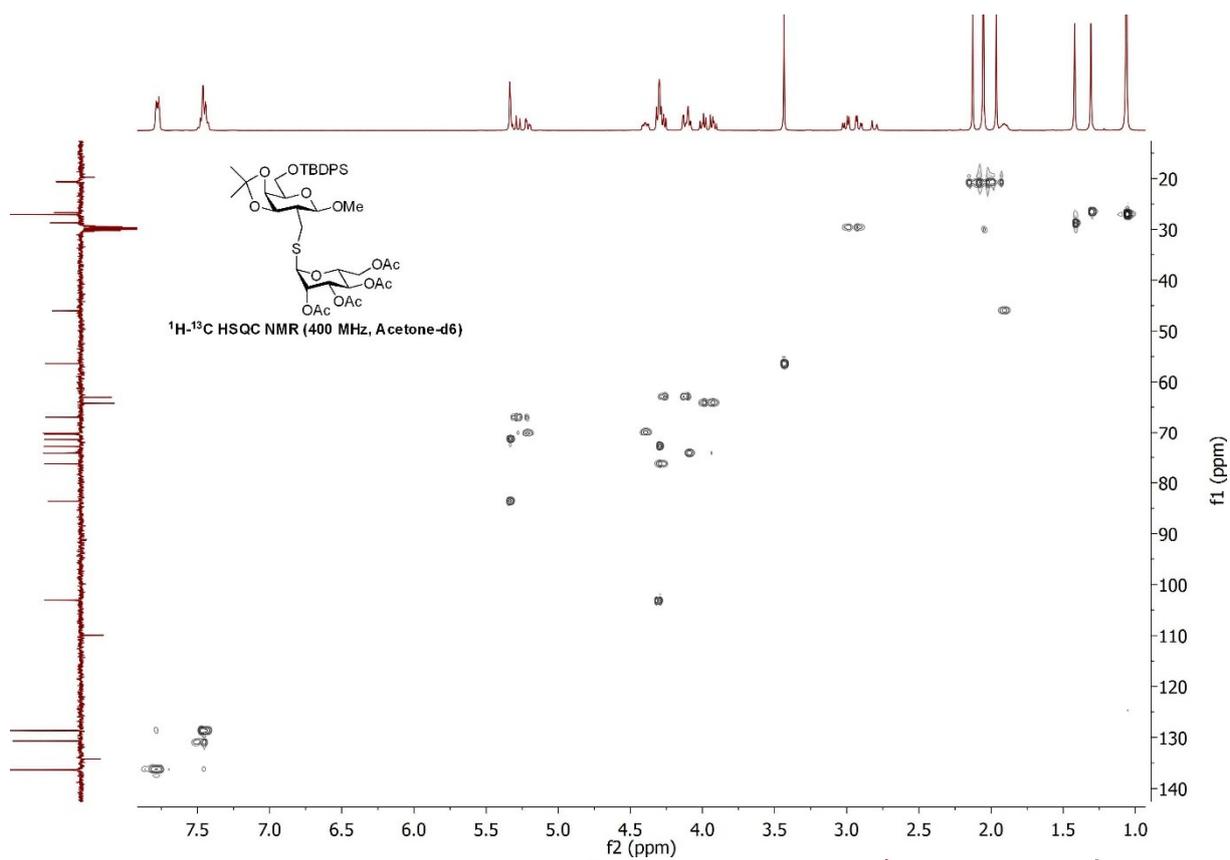


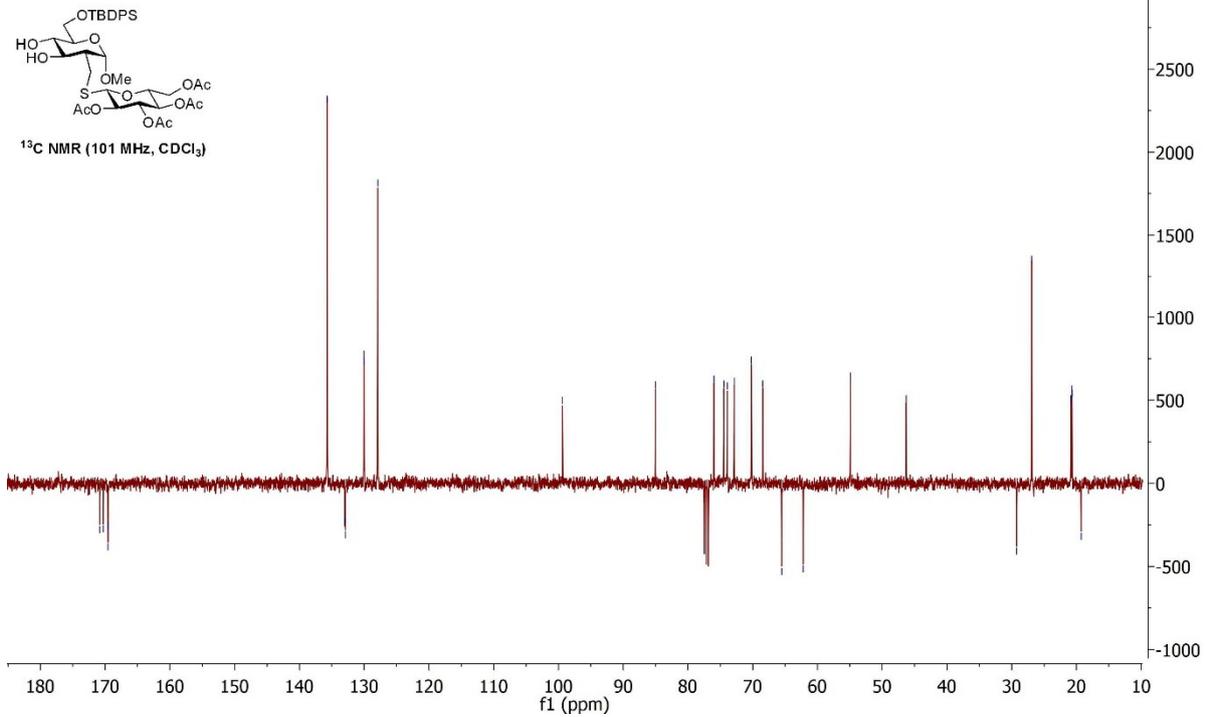
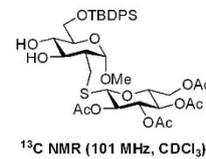
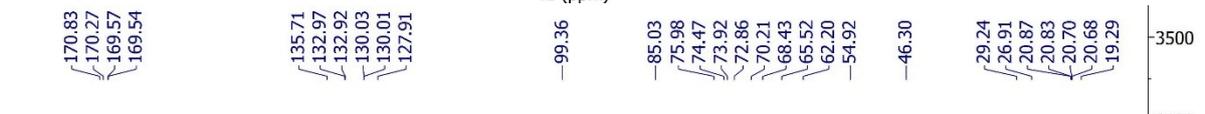
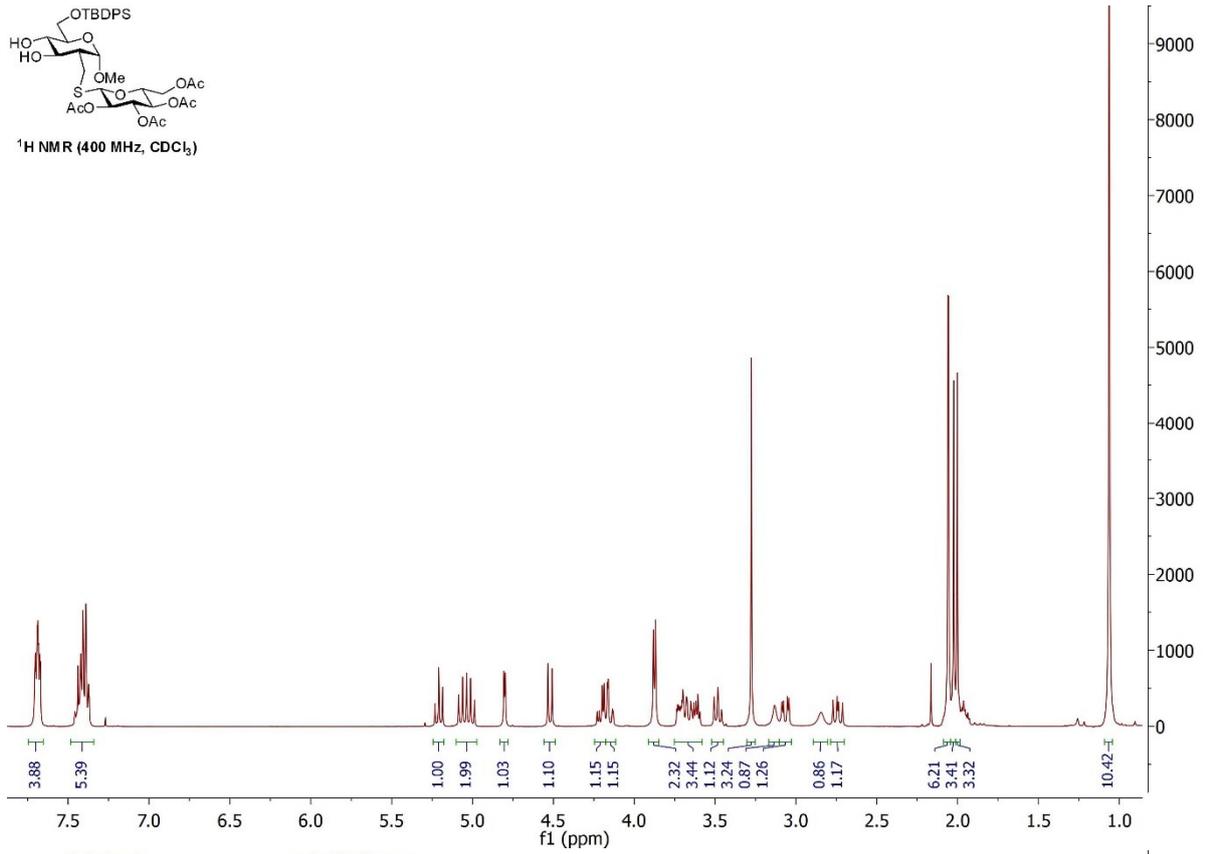
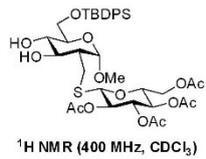


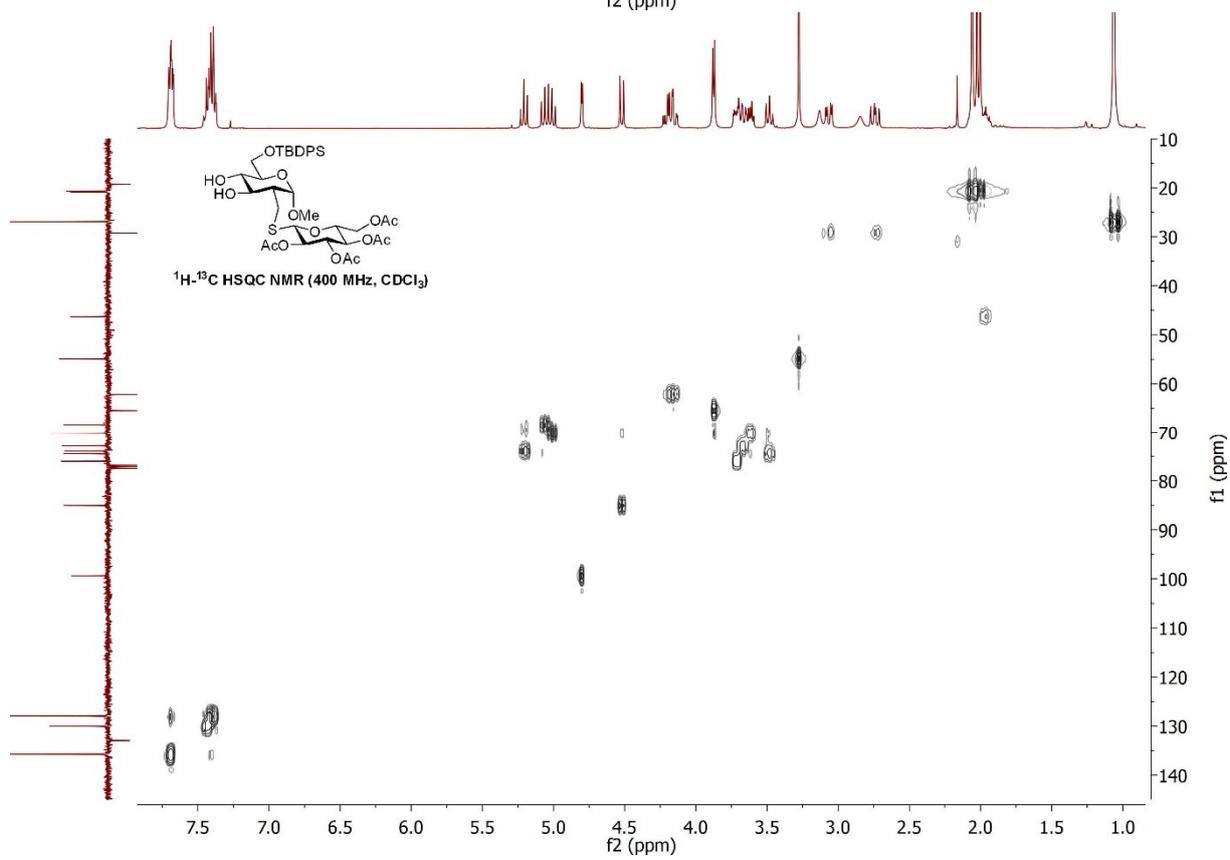
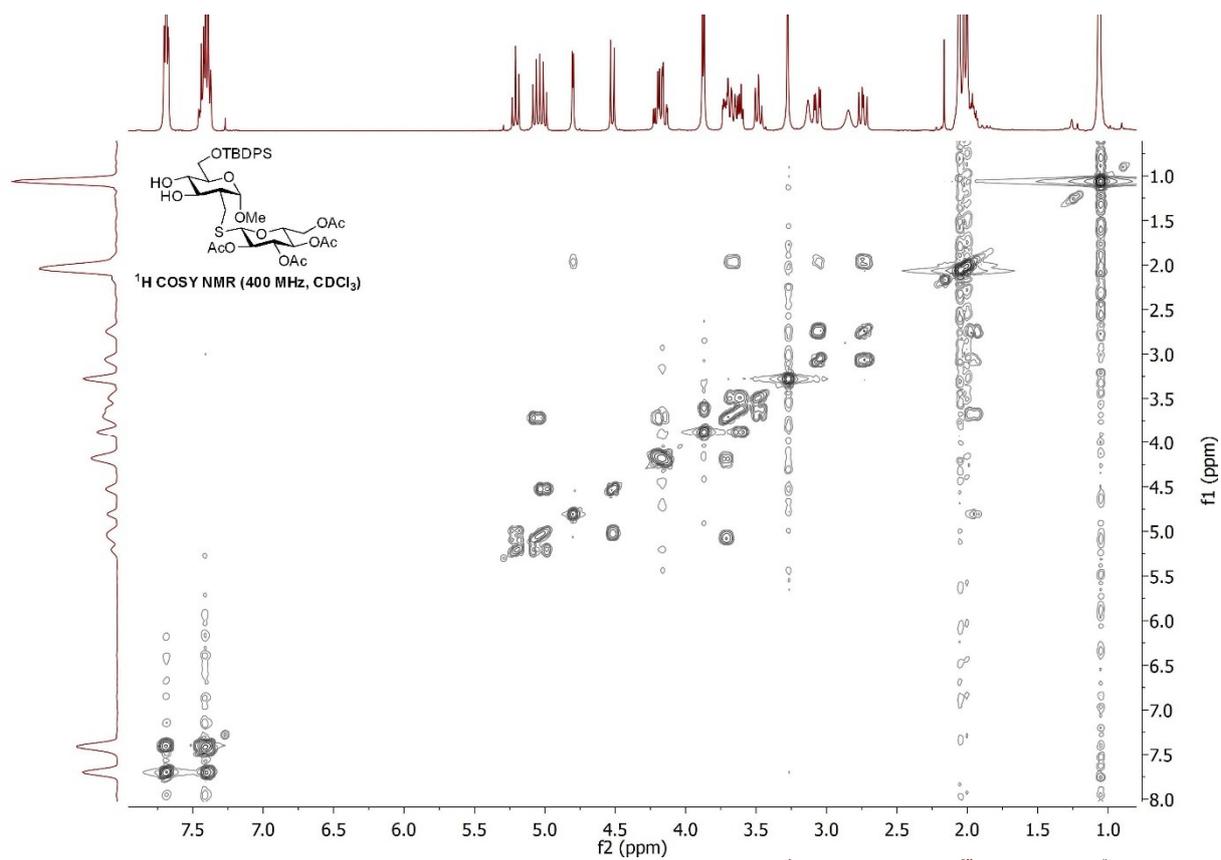


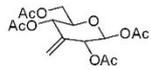




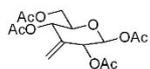
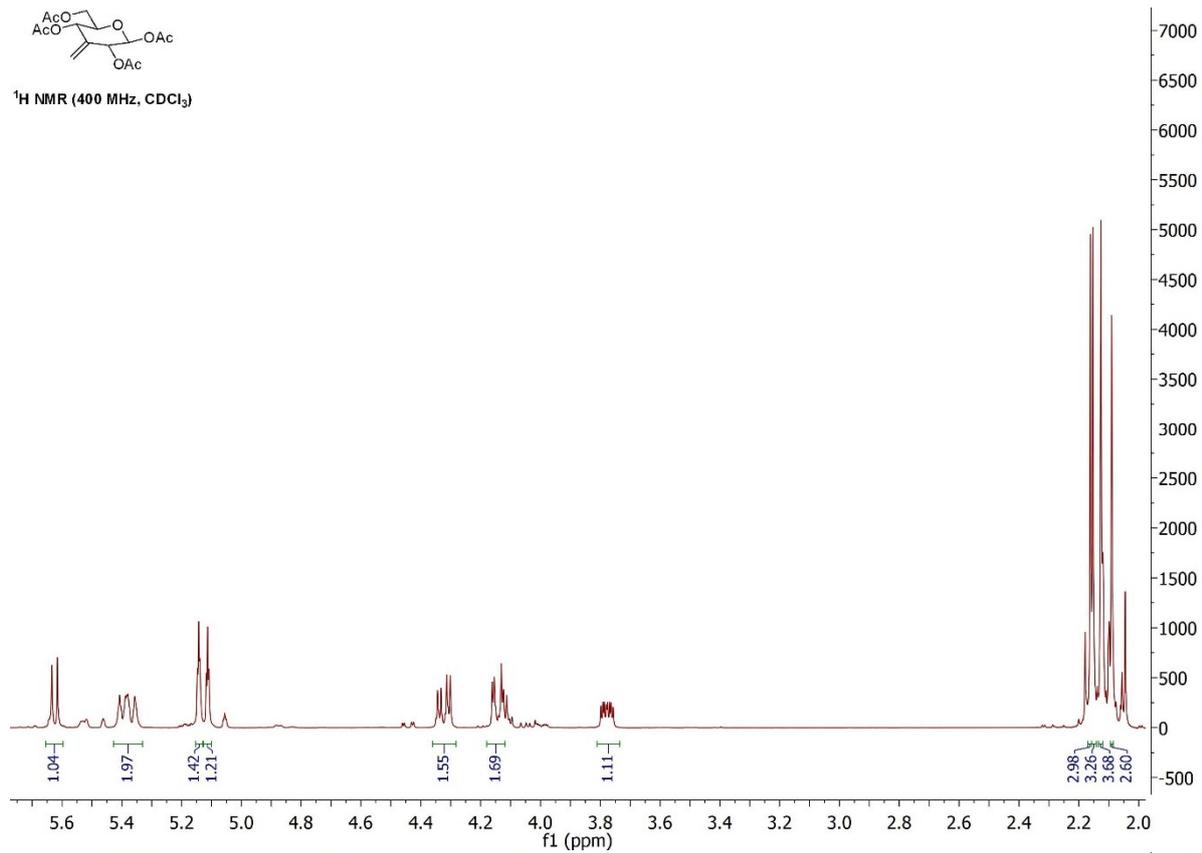




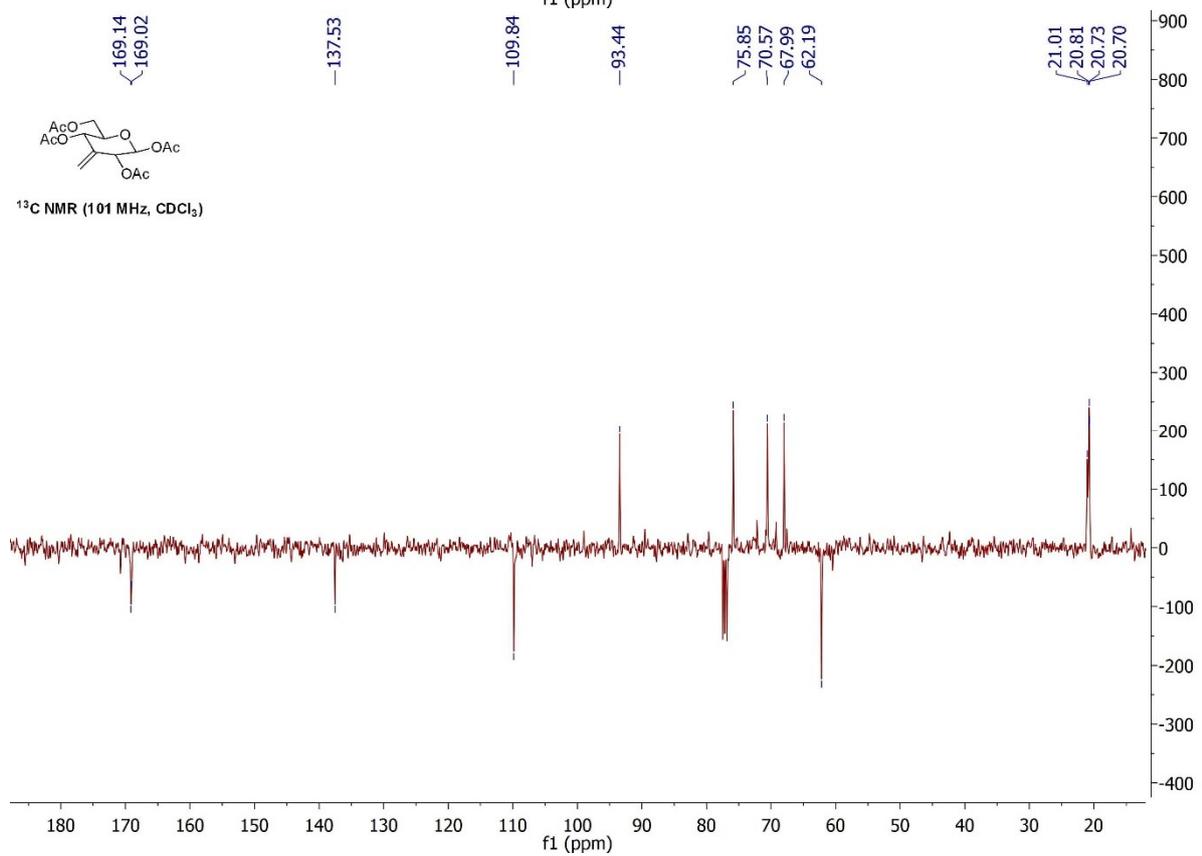


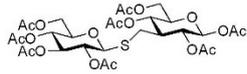


¹H NMR (400 MHz, CDCl₃)

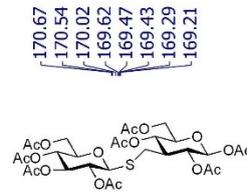
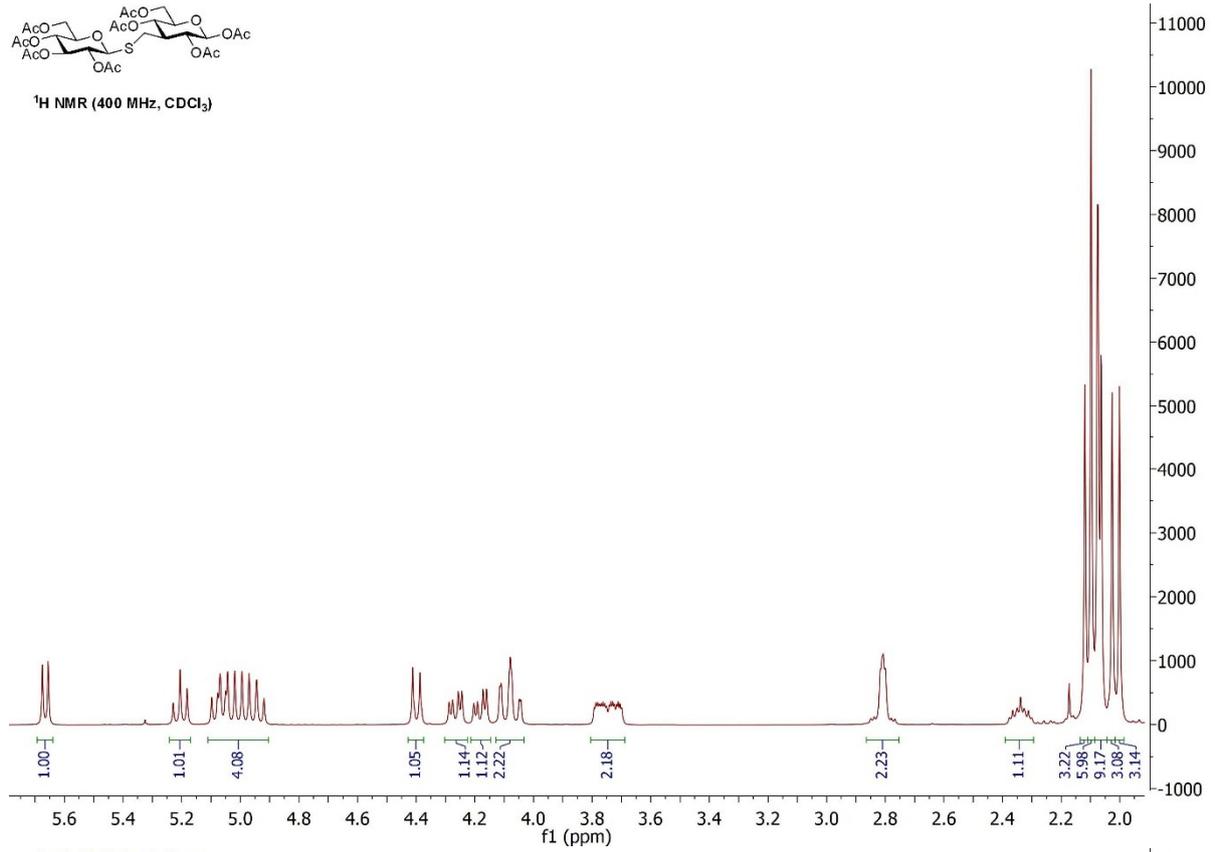


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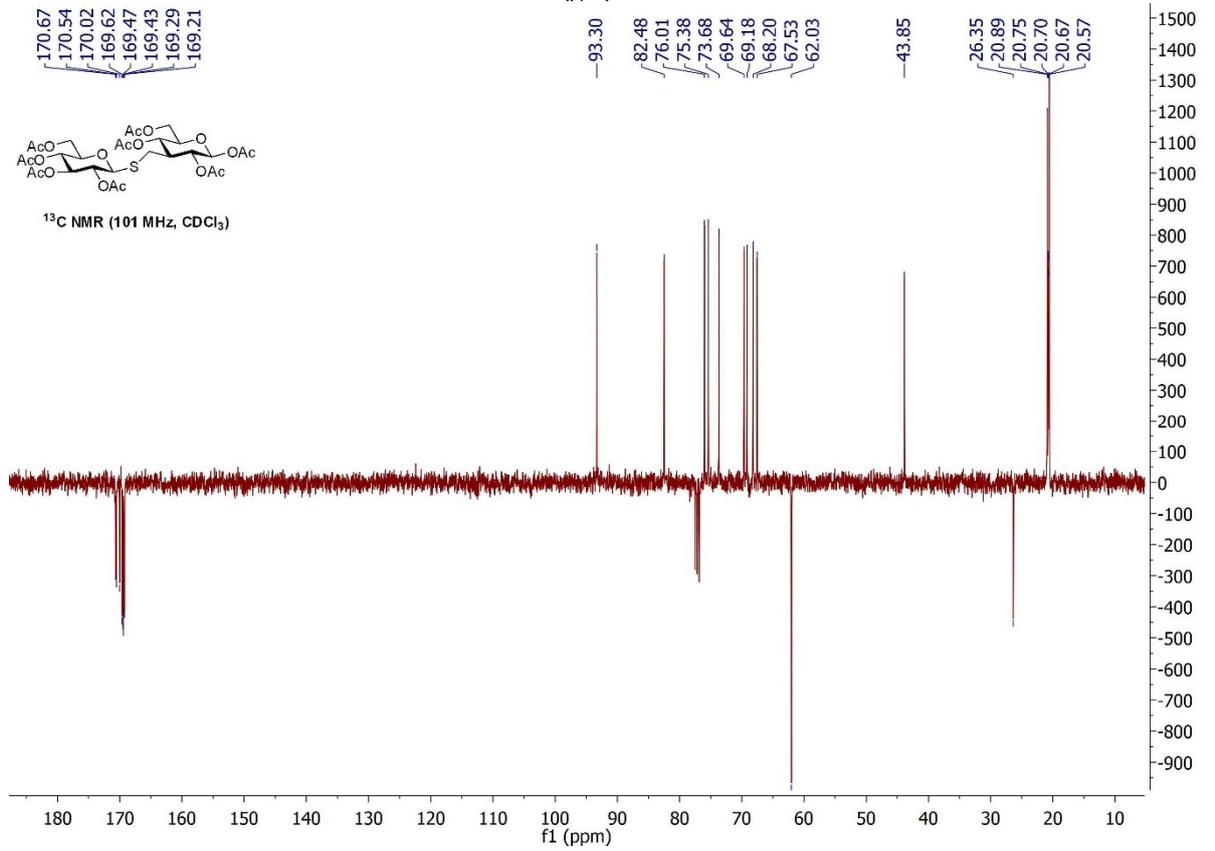


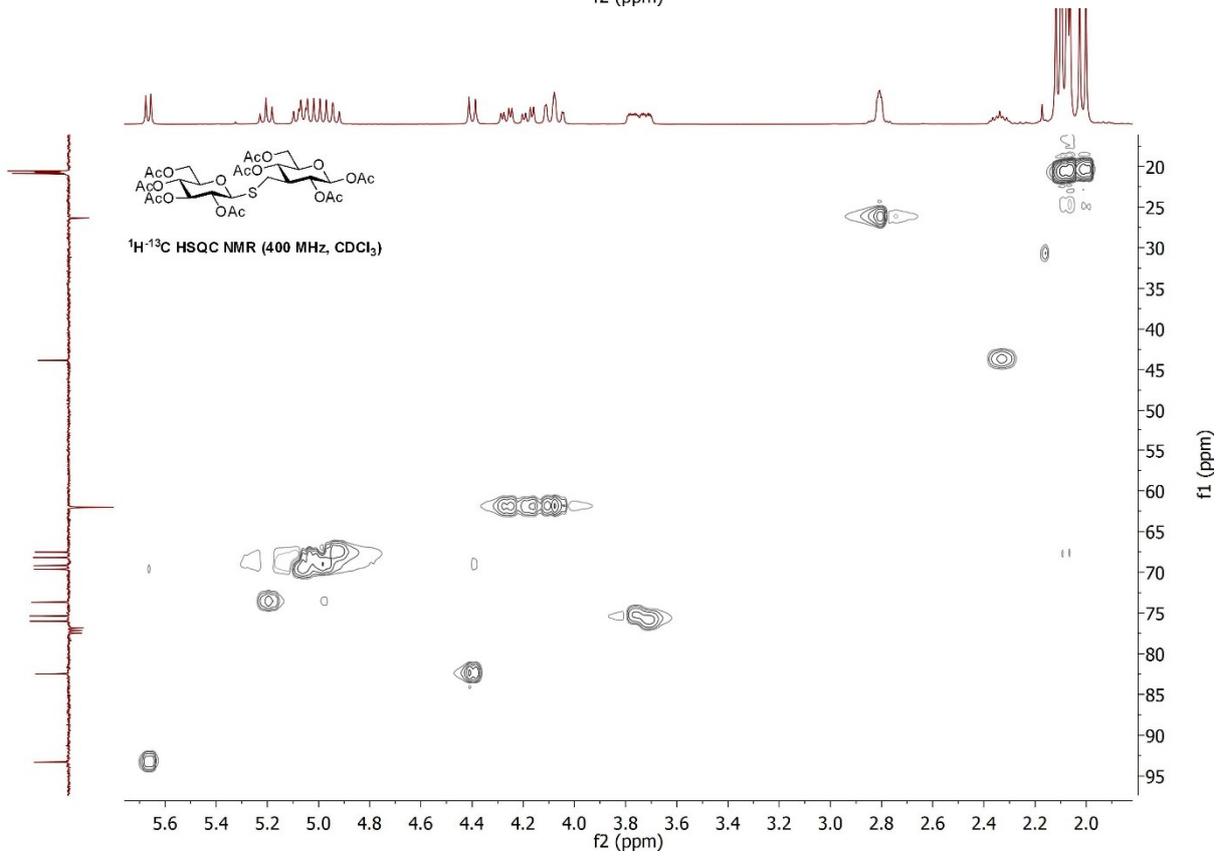
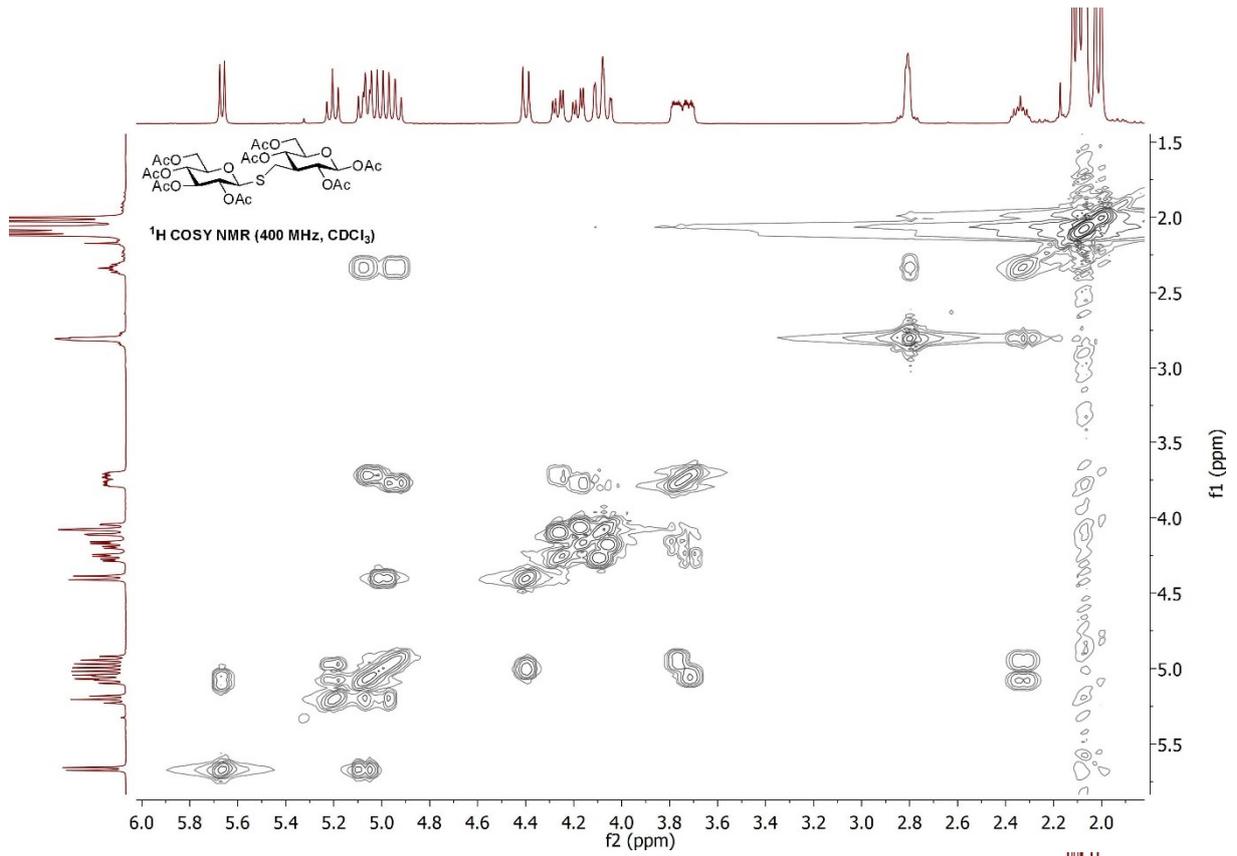


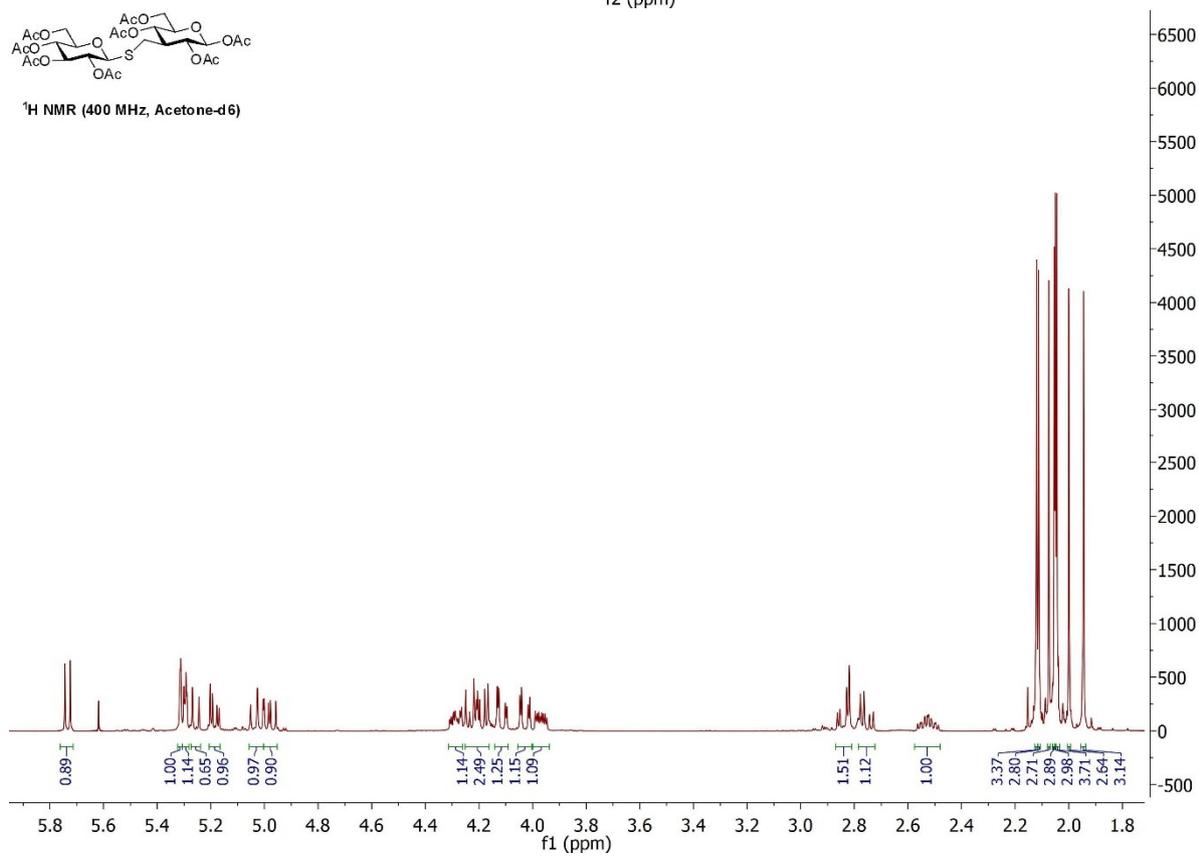
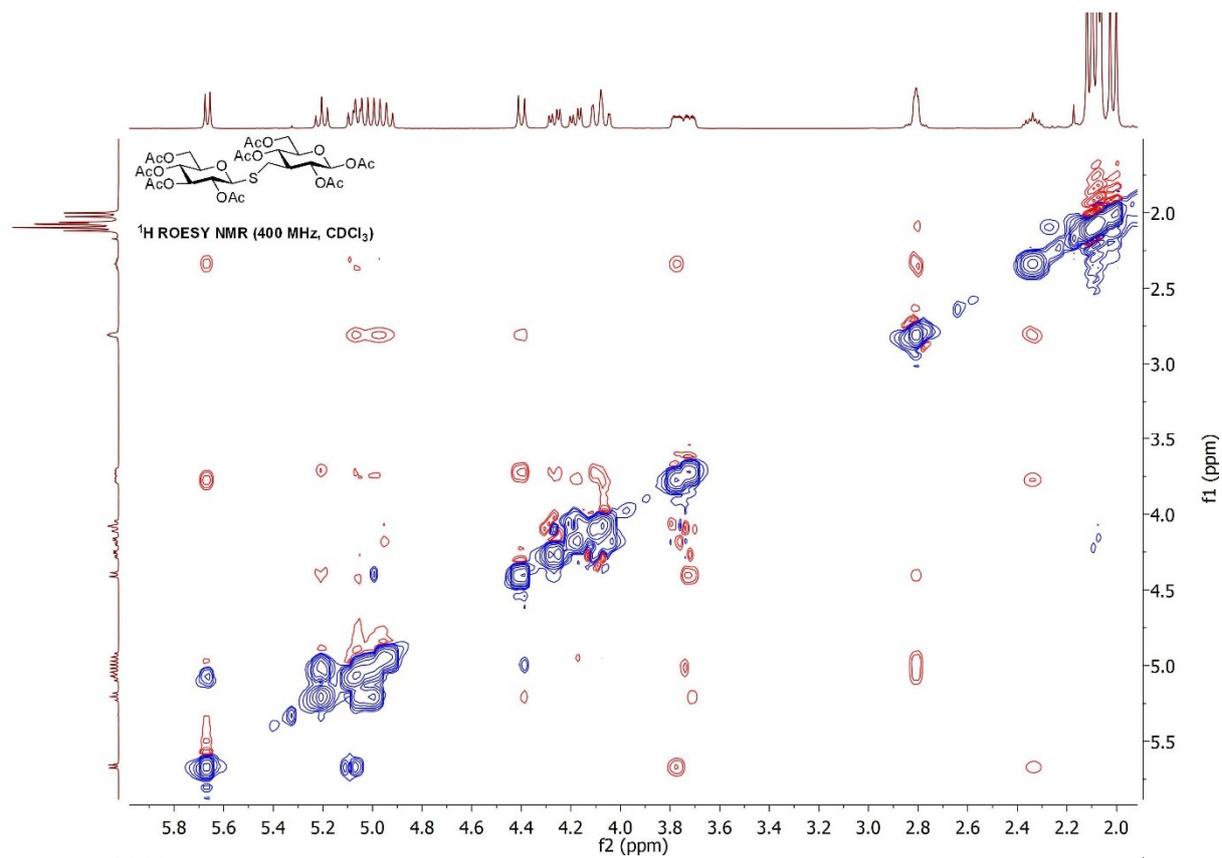
¹H NMR (400 MHz, CDCl₃)

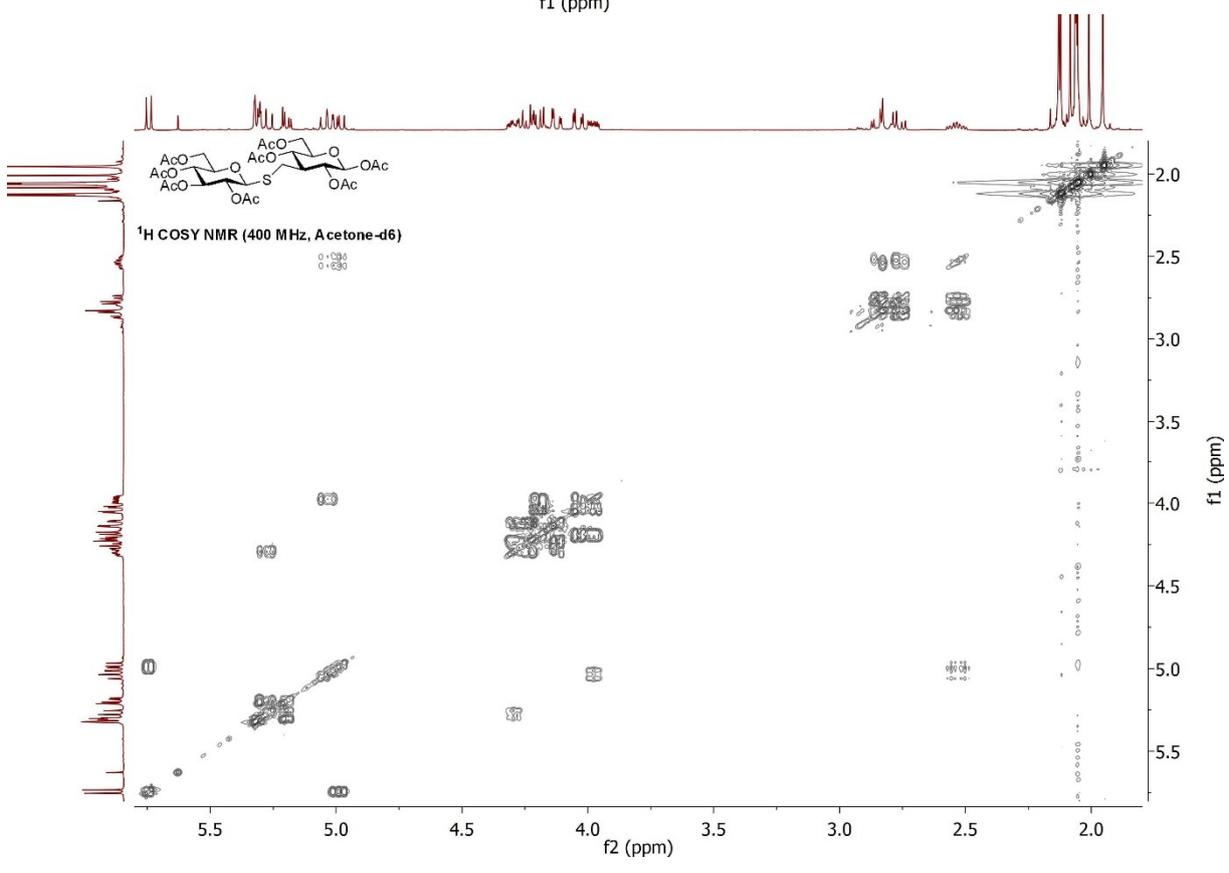
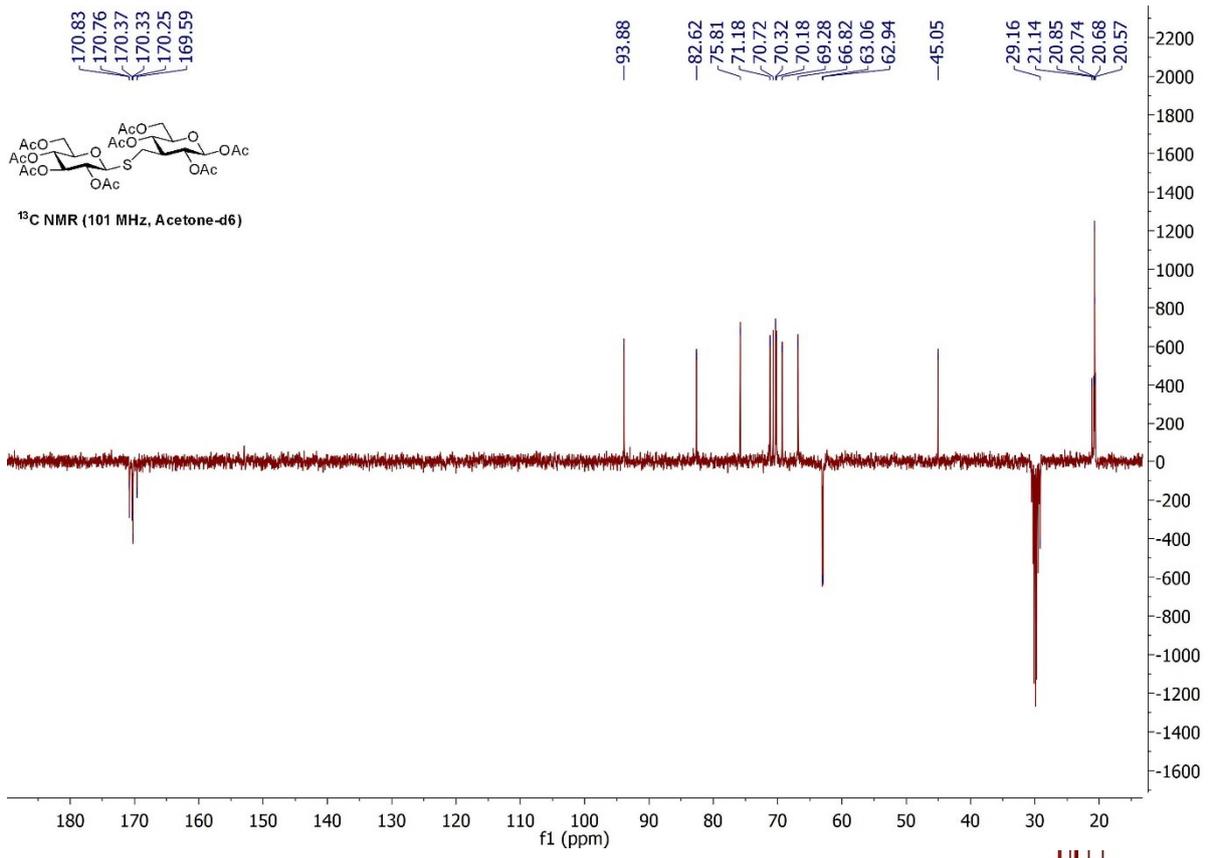


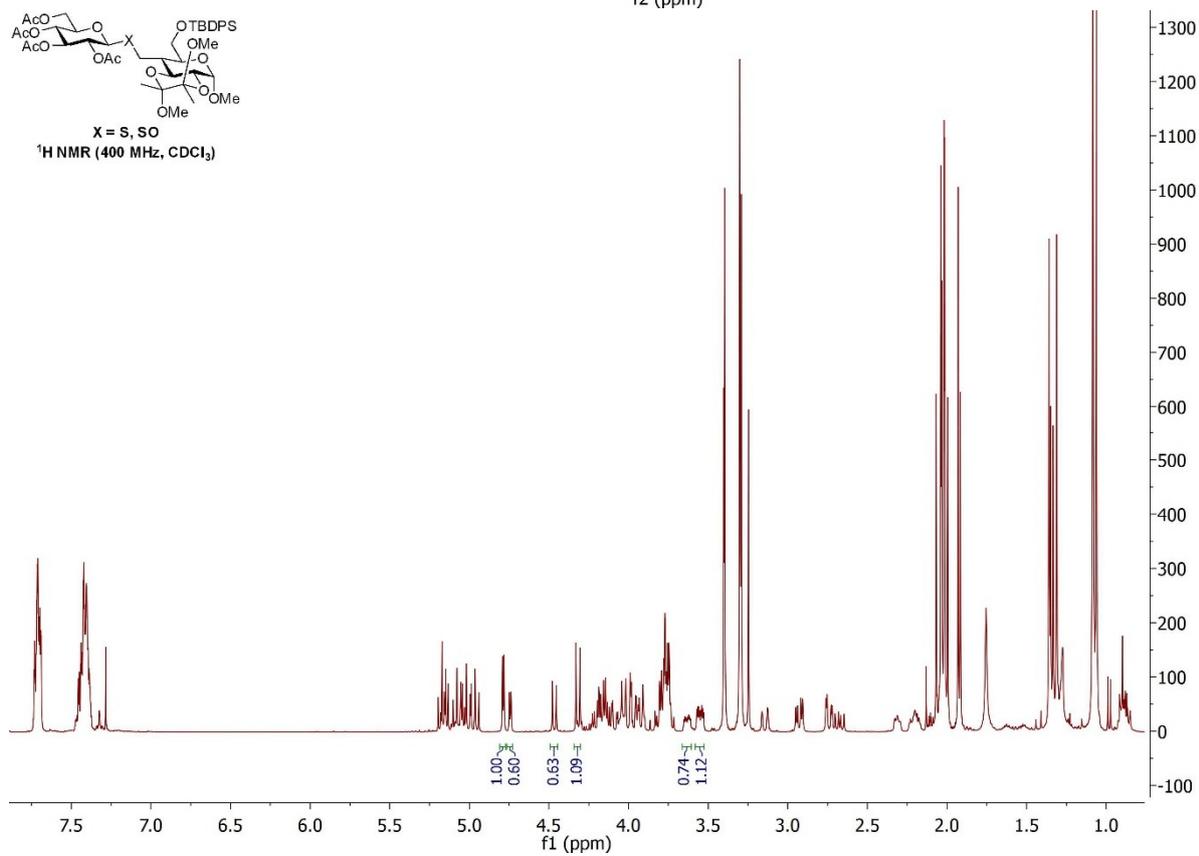
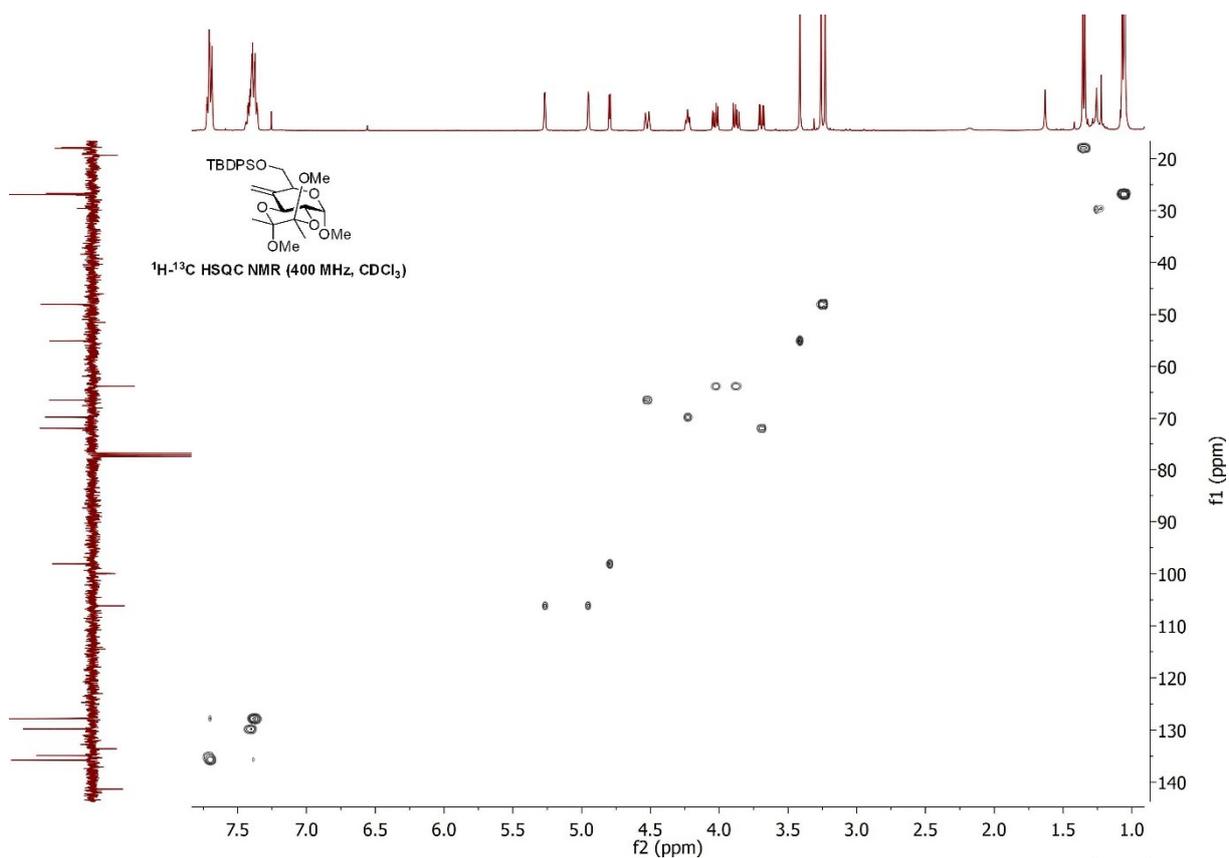
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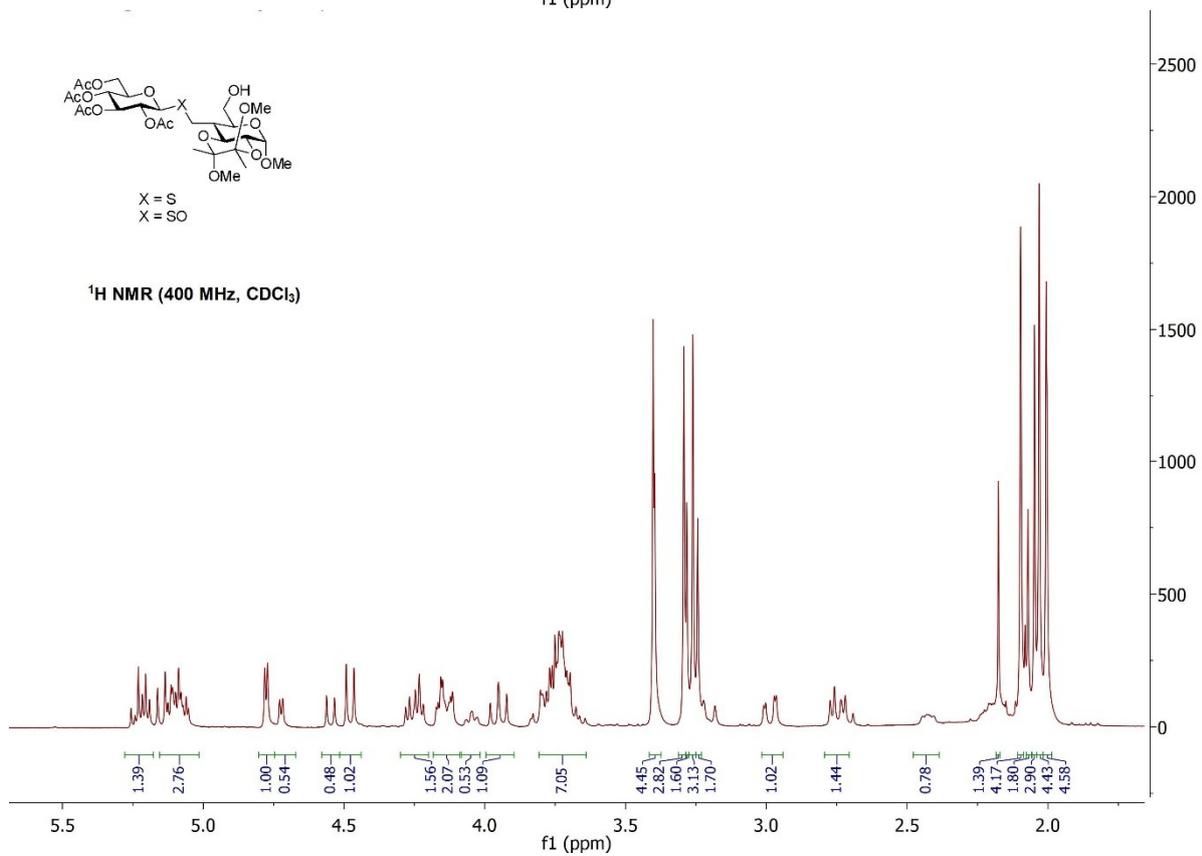
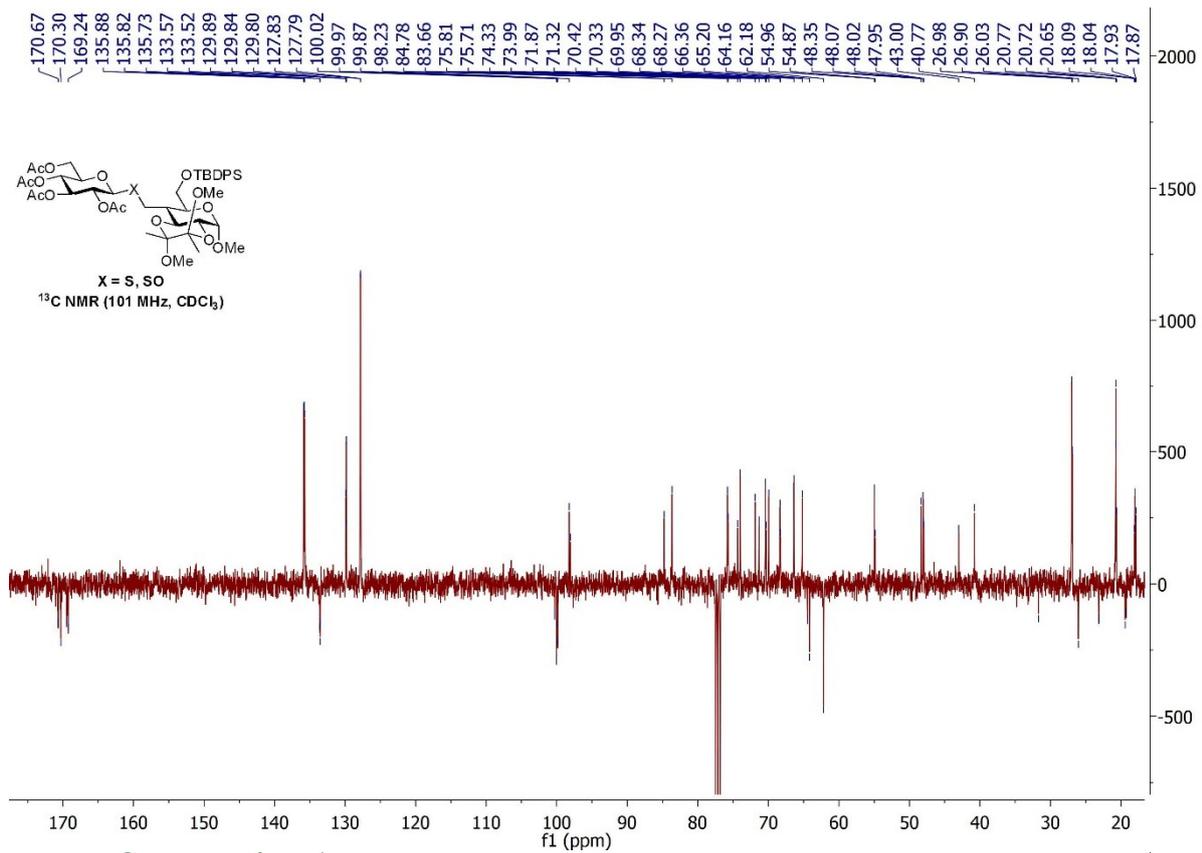


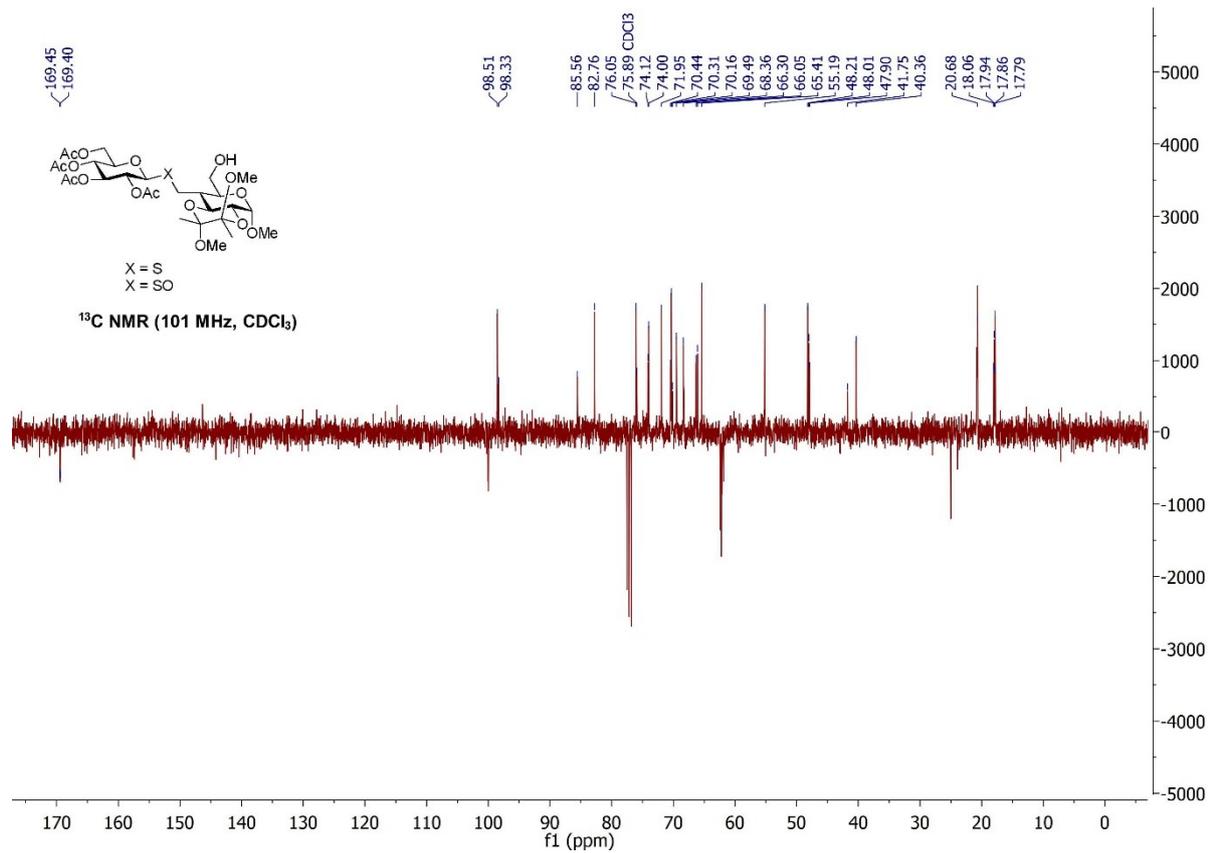


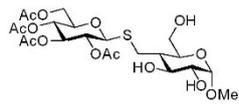




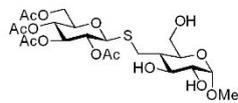
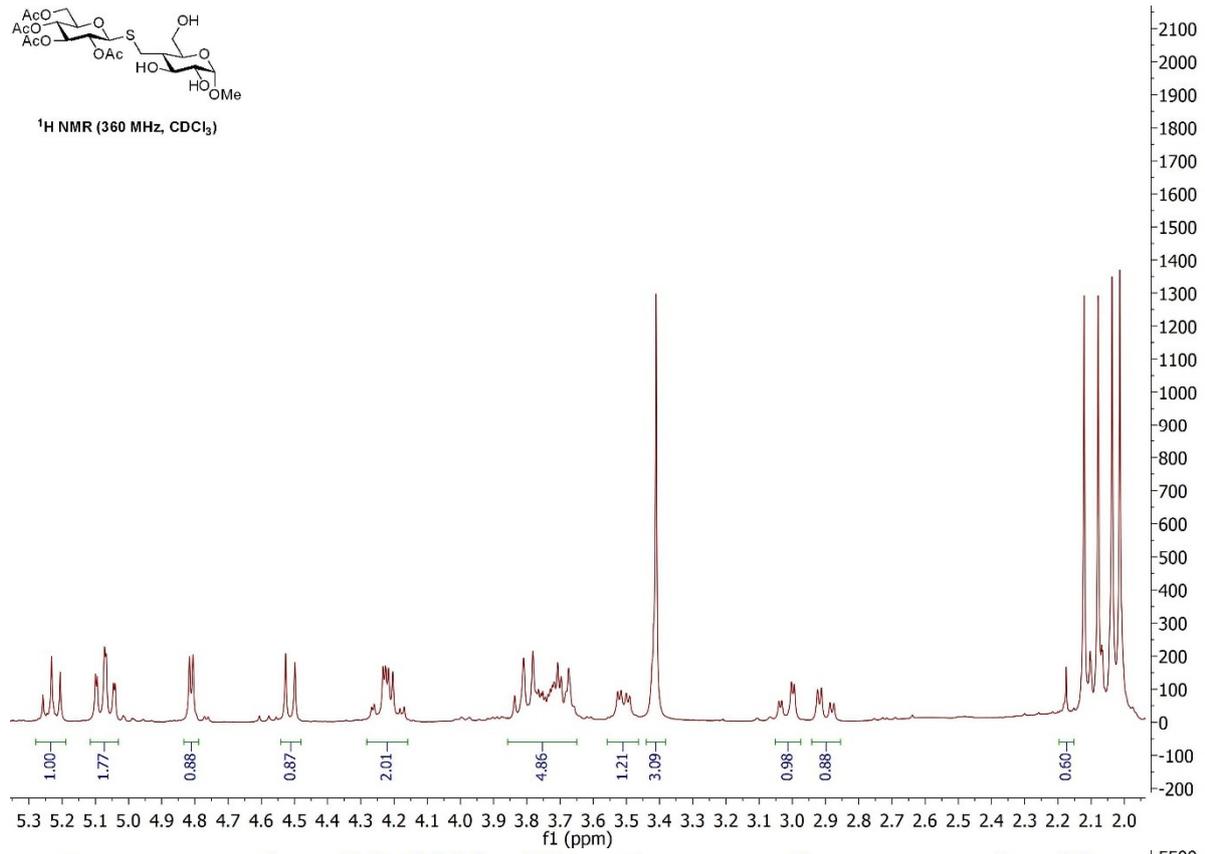




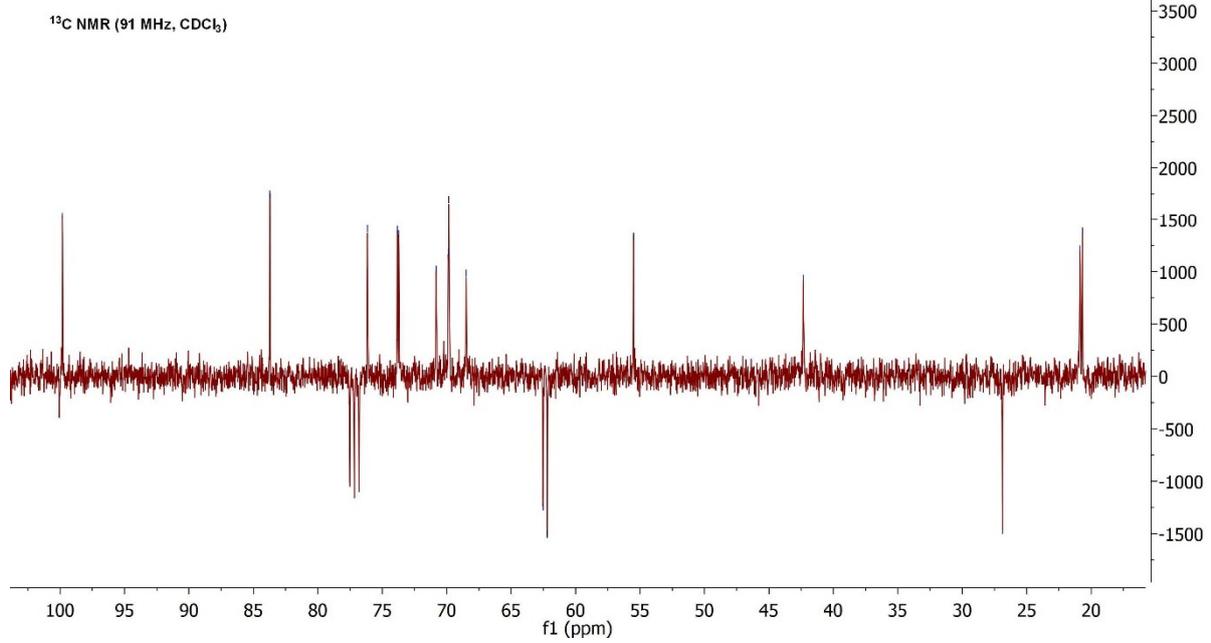


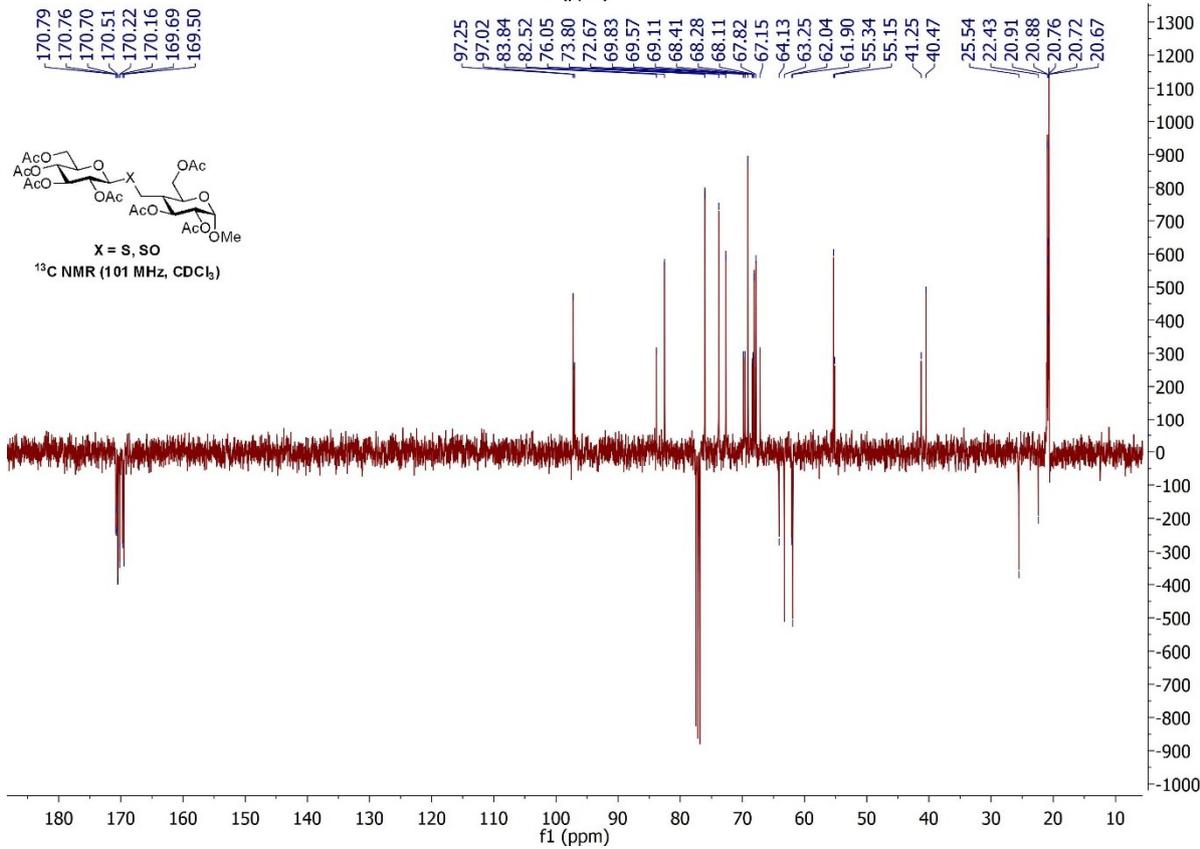
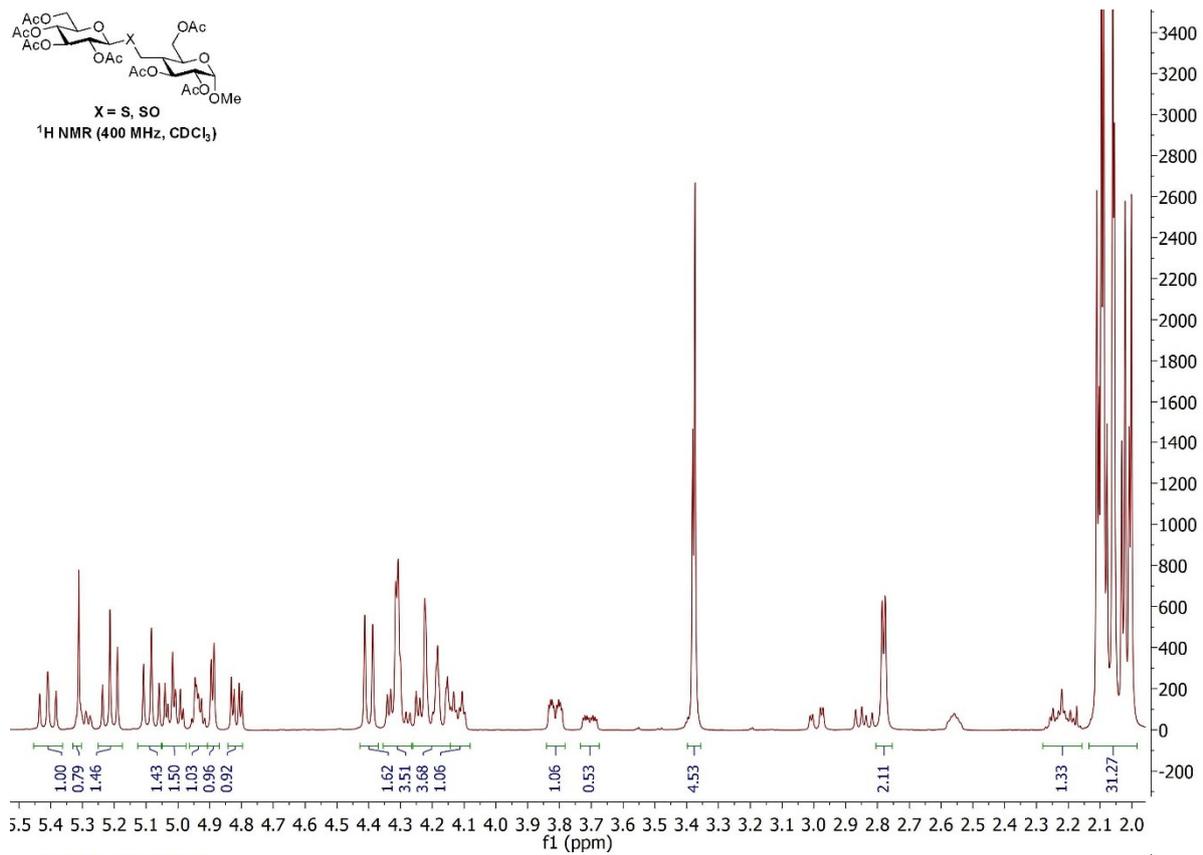
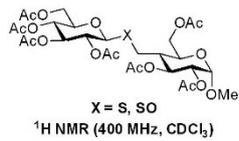


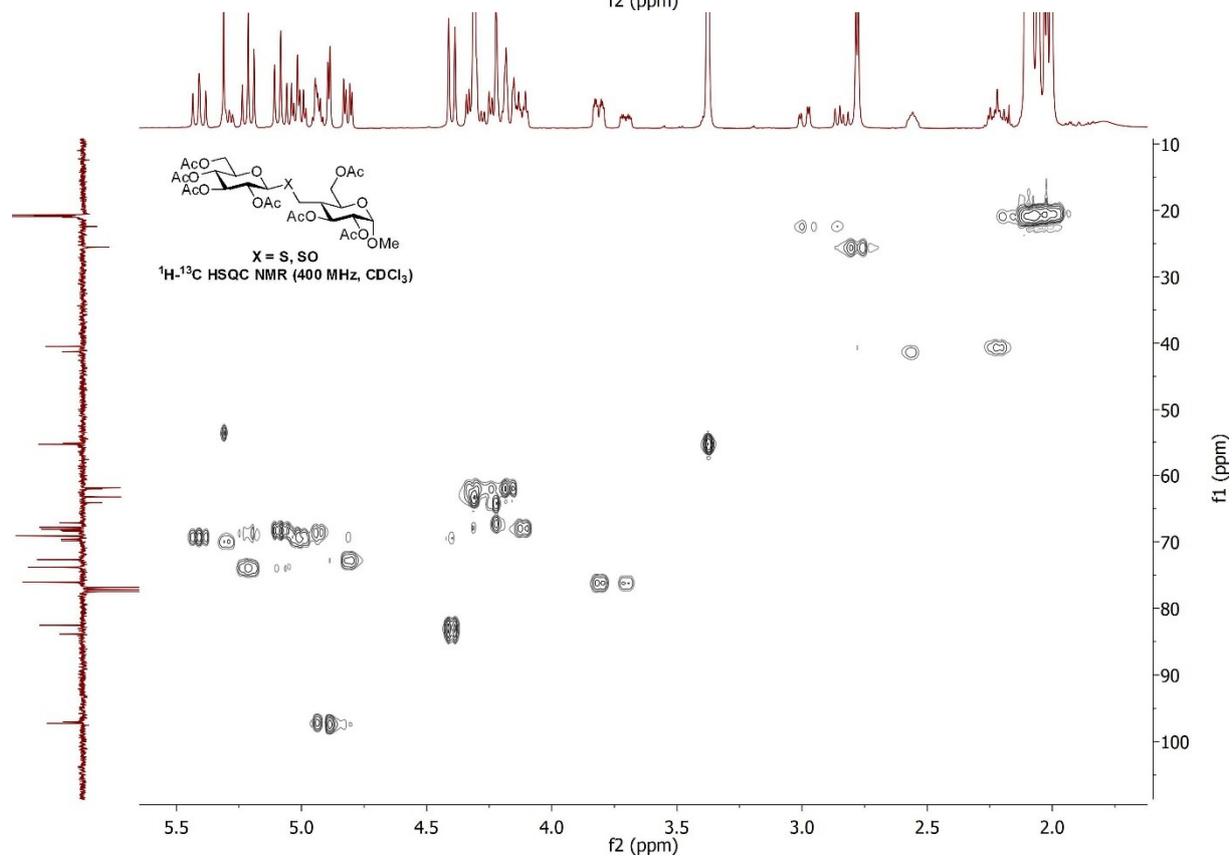
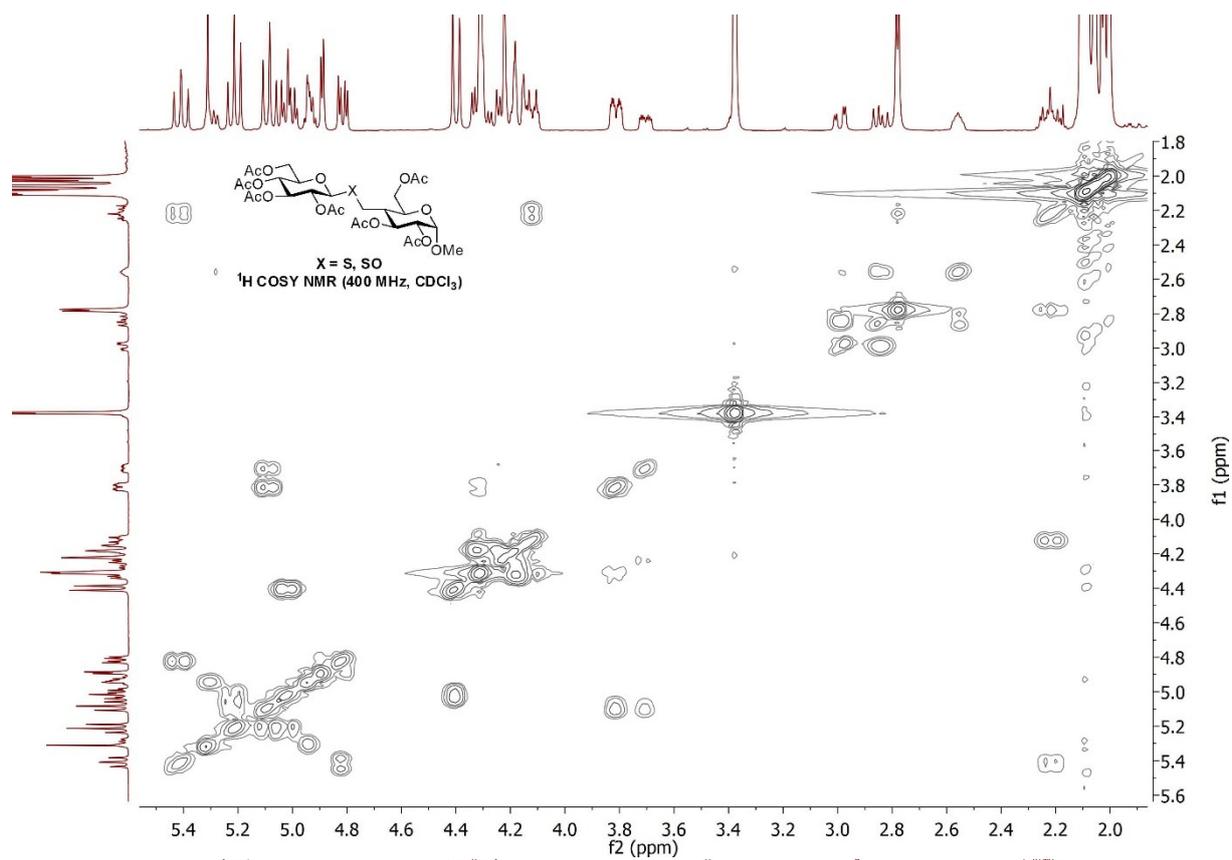
¹H NMR (360 MHz, CDCl₃)

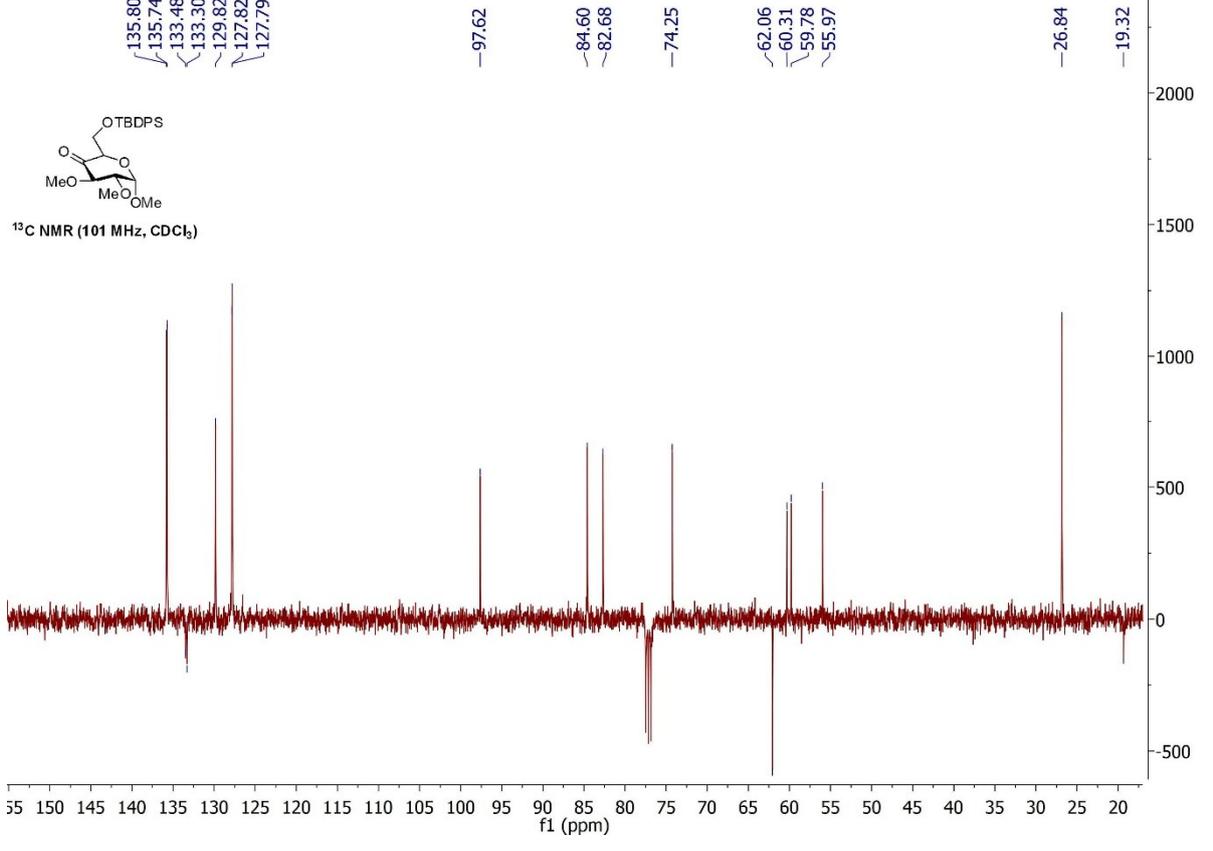
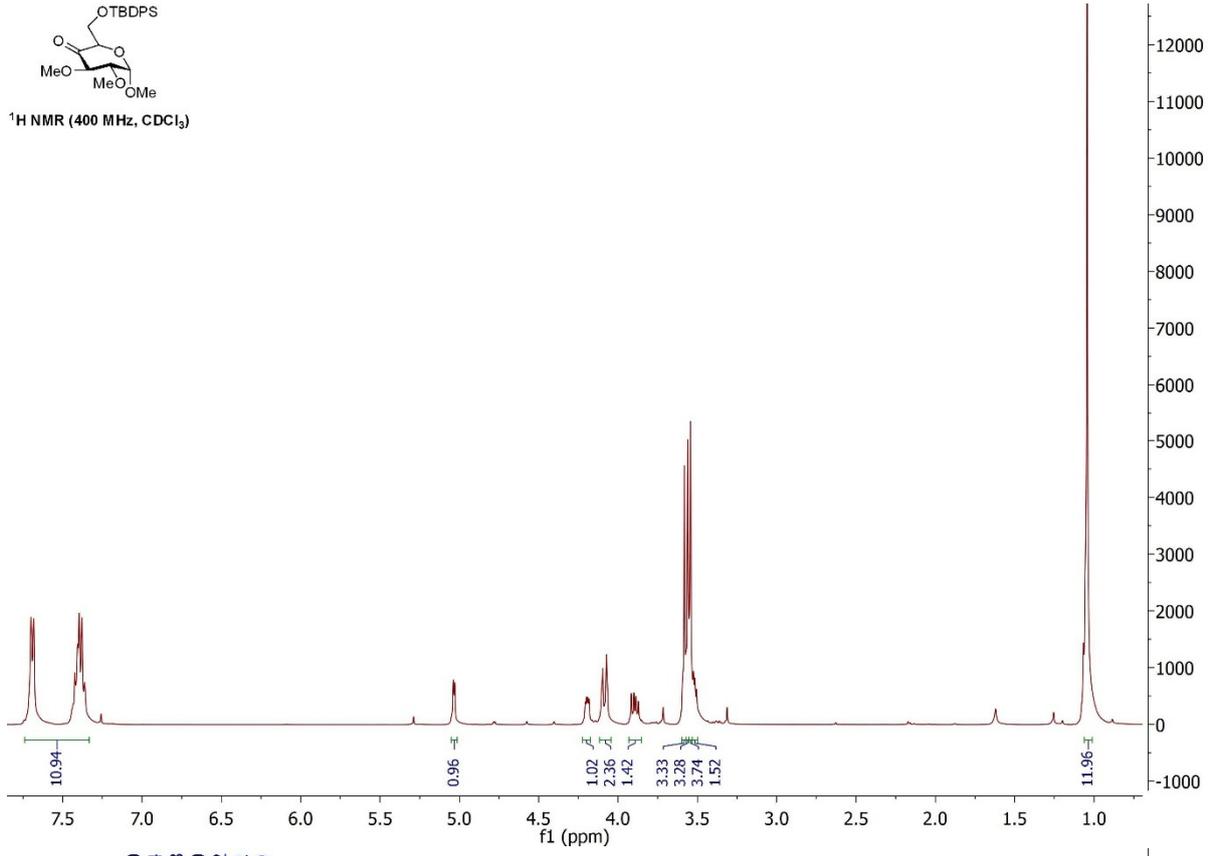
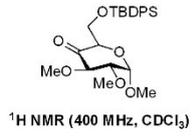


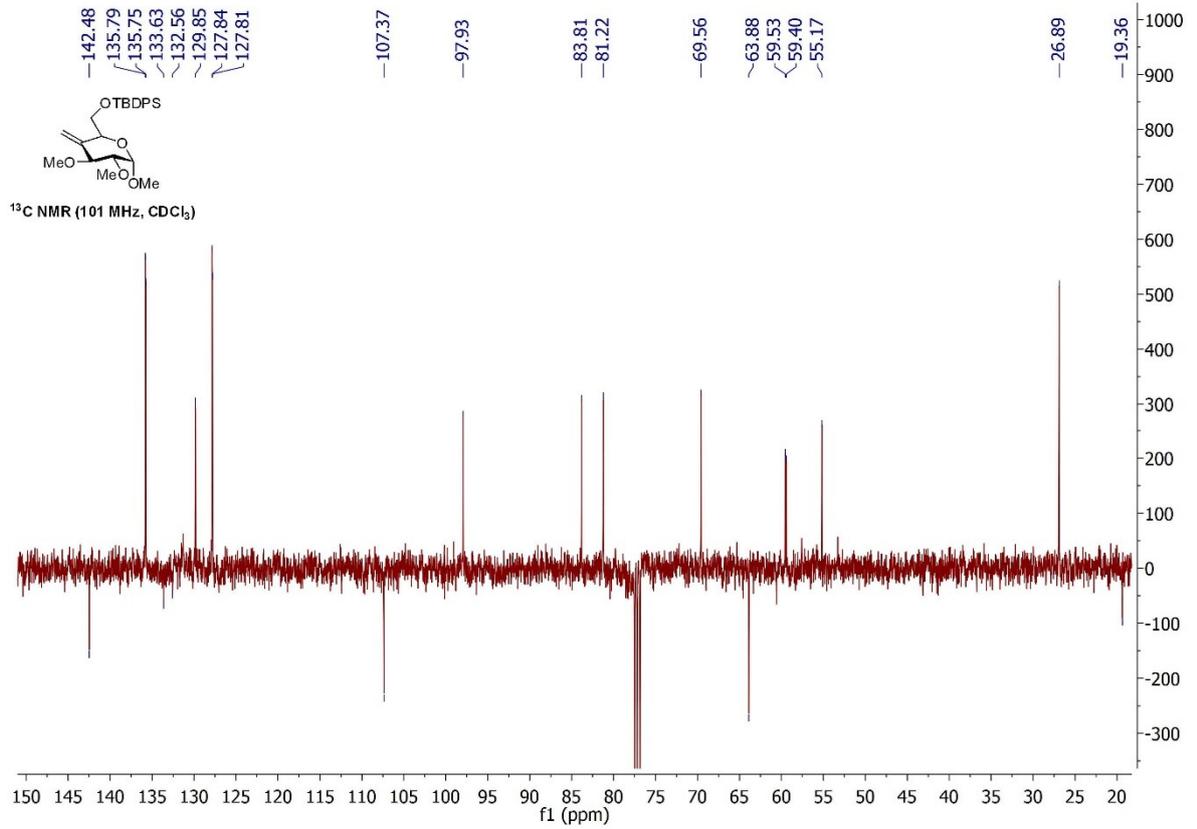
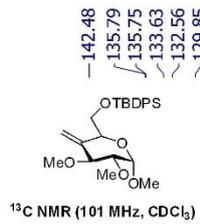
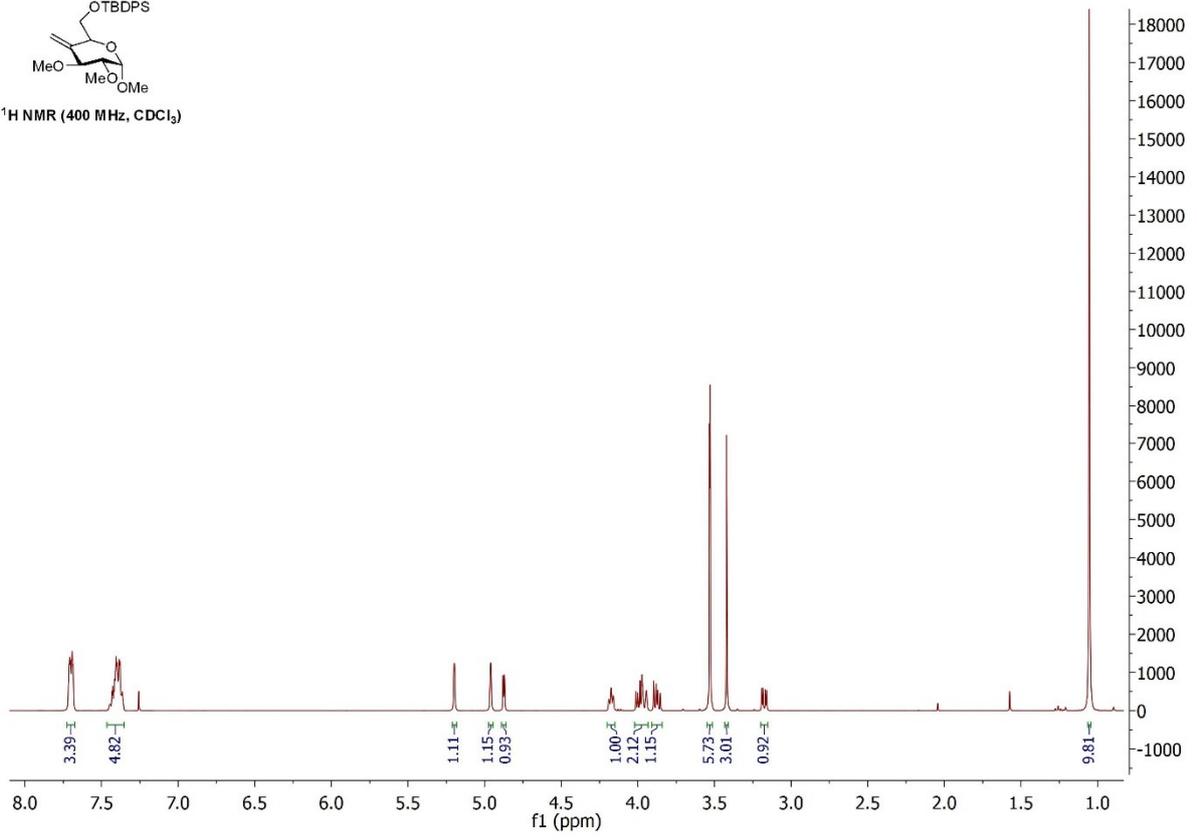
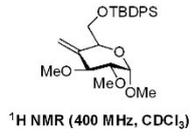
¹³C NMR (91 MHz, CDCl₃)

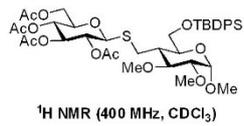




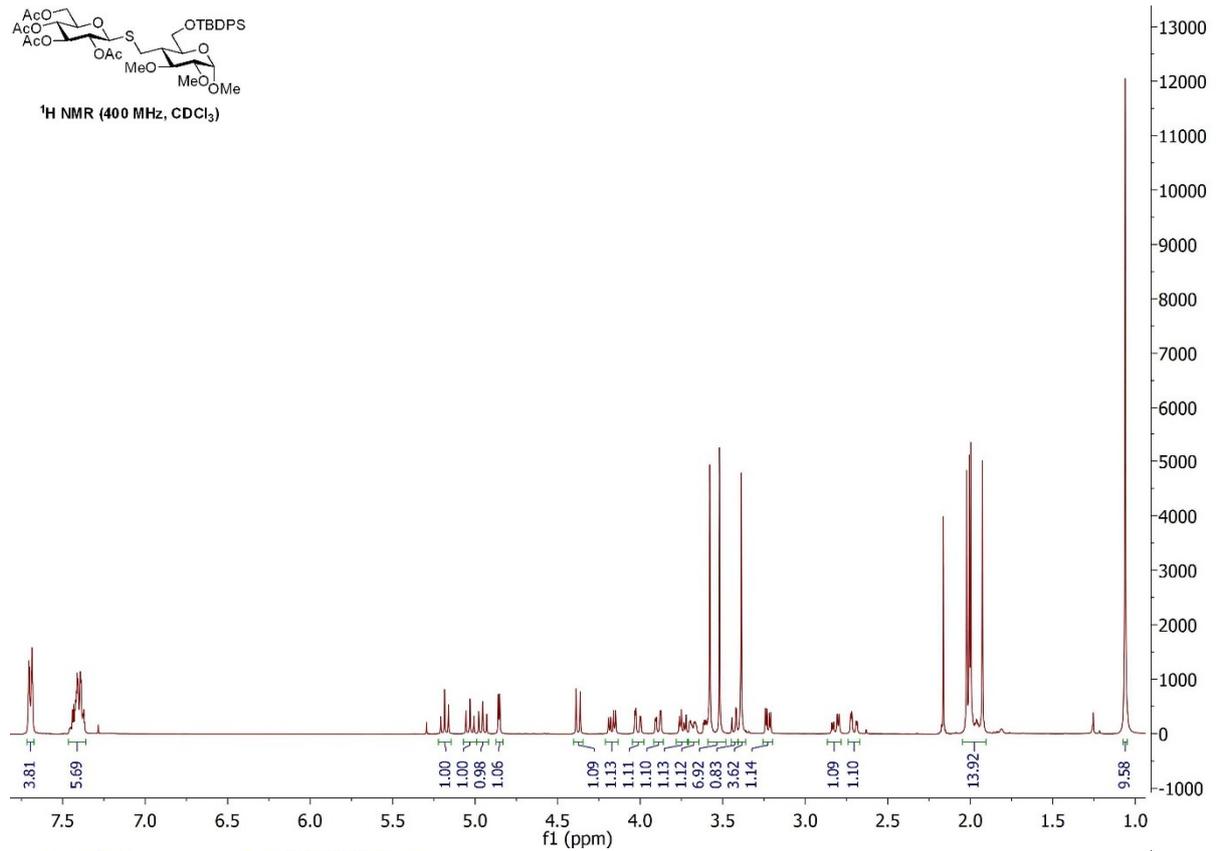








¹H NMR (400 MHz, CDCl₃)



170.54
170.17
169.33
169.14

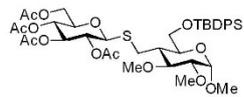
135.71
135.71
135.65
133.45
133.35
129.78
129.72
127.72
127.66

-97.55

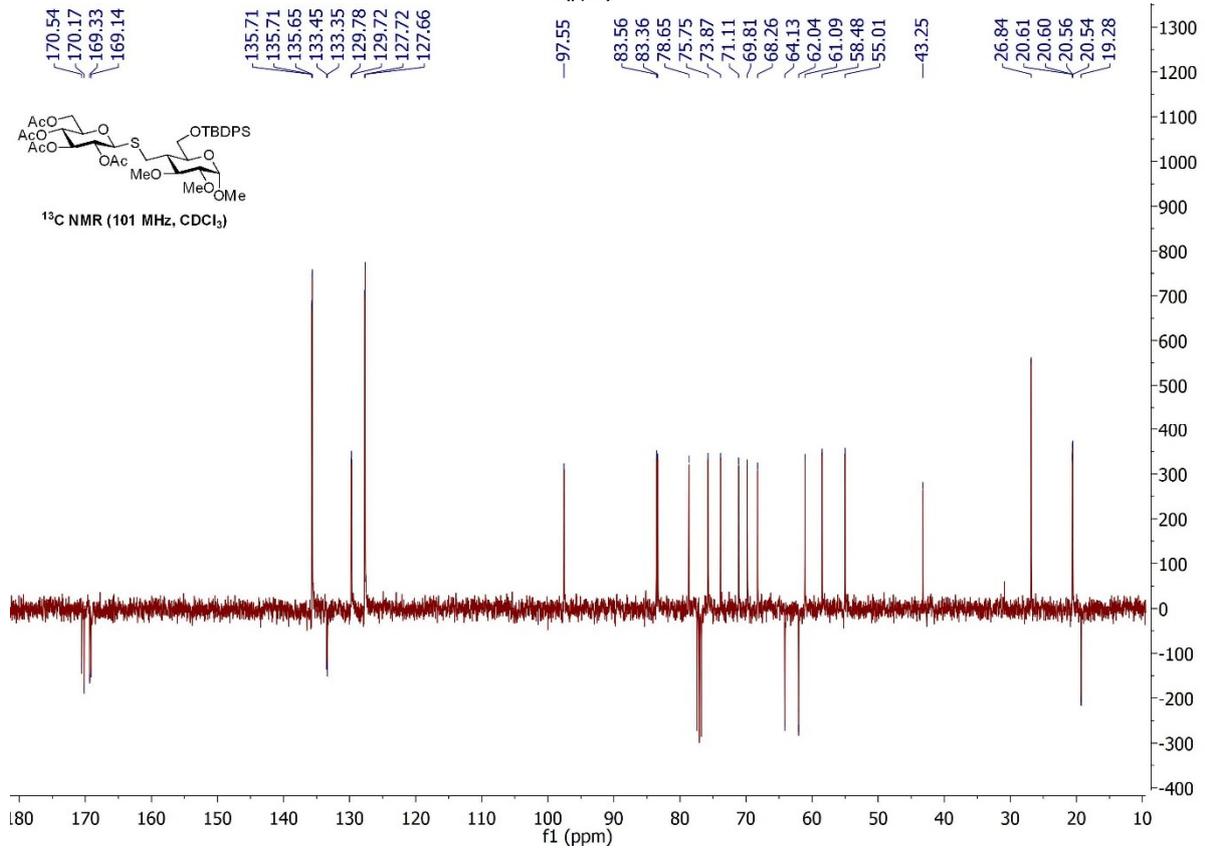
83.56
83.36
78.65
75.75
73.87
71.11
69.81
68.26
64.13
62.04
61.09
58.48
55.01

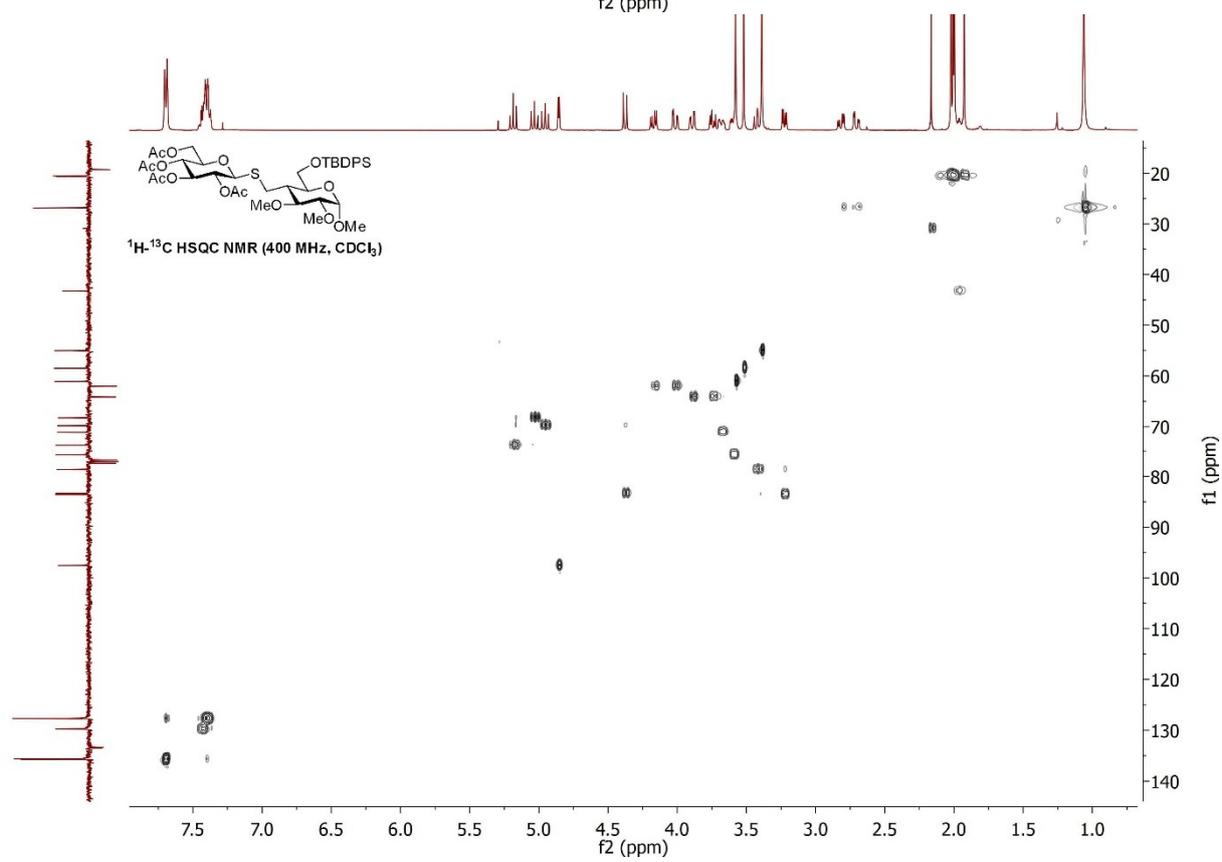
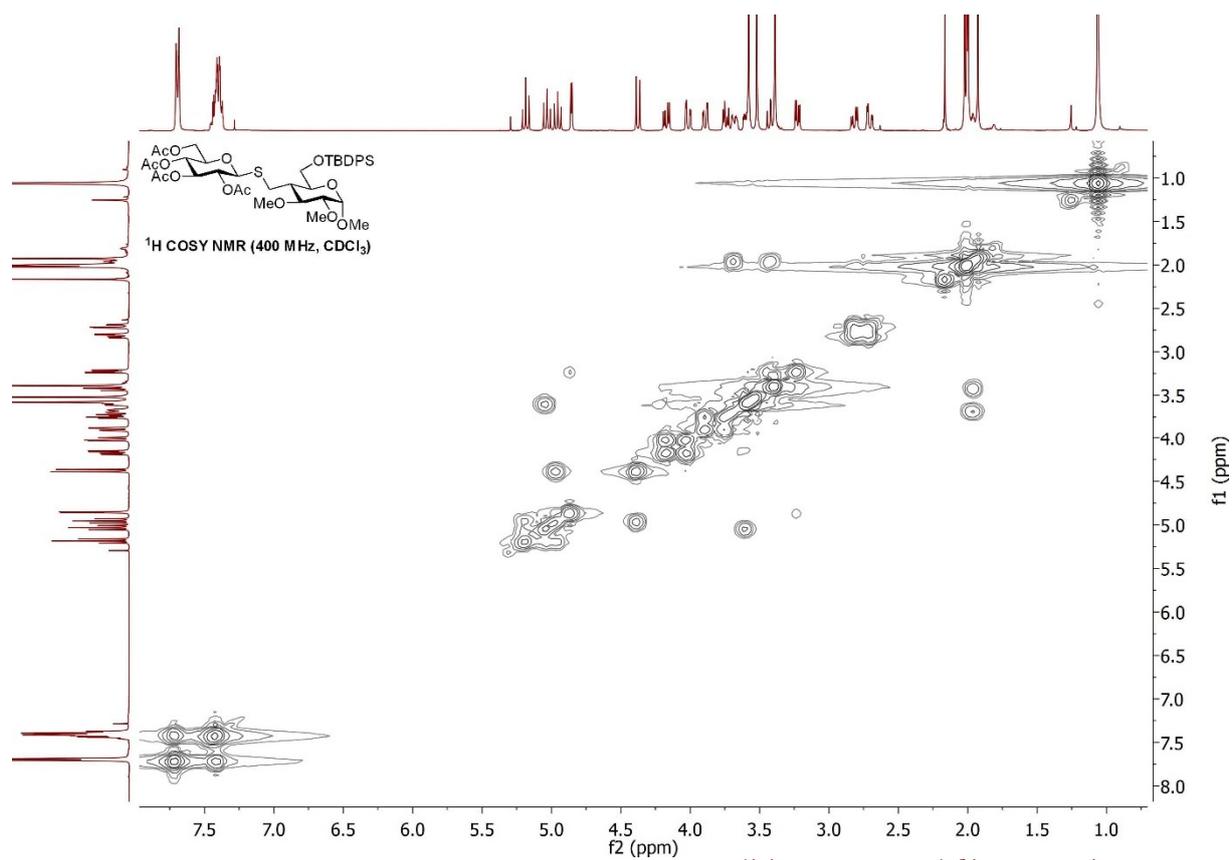
-43.25

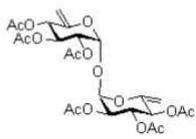
26.84
20.61
20.60
20.56
20.54
19.28



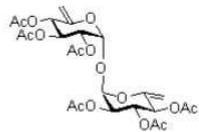
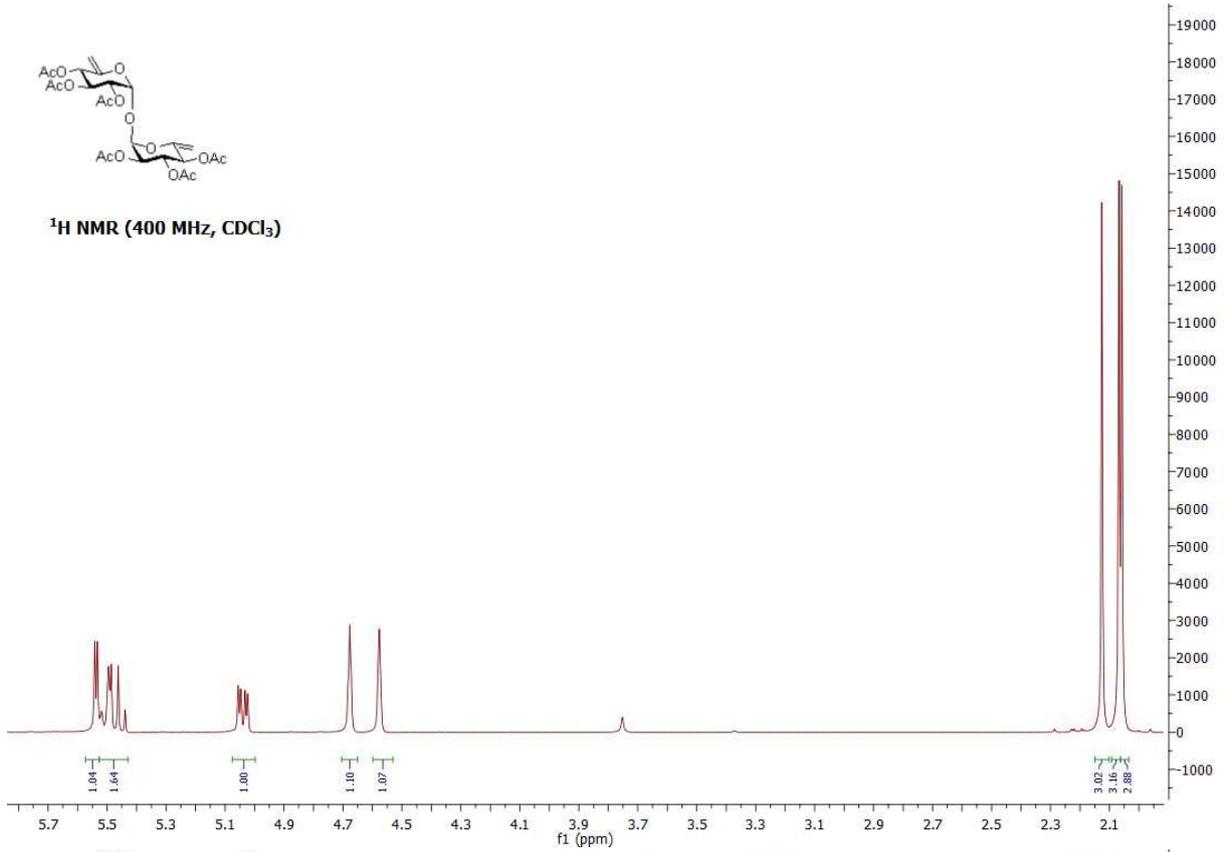
¹³C NMR (101 MHz, CDCl₃)



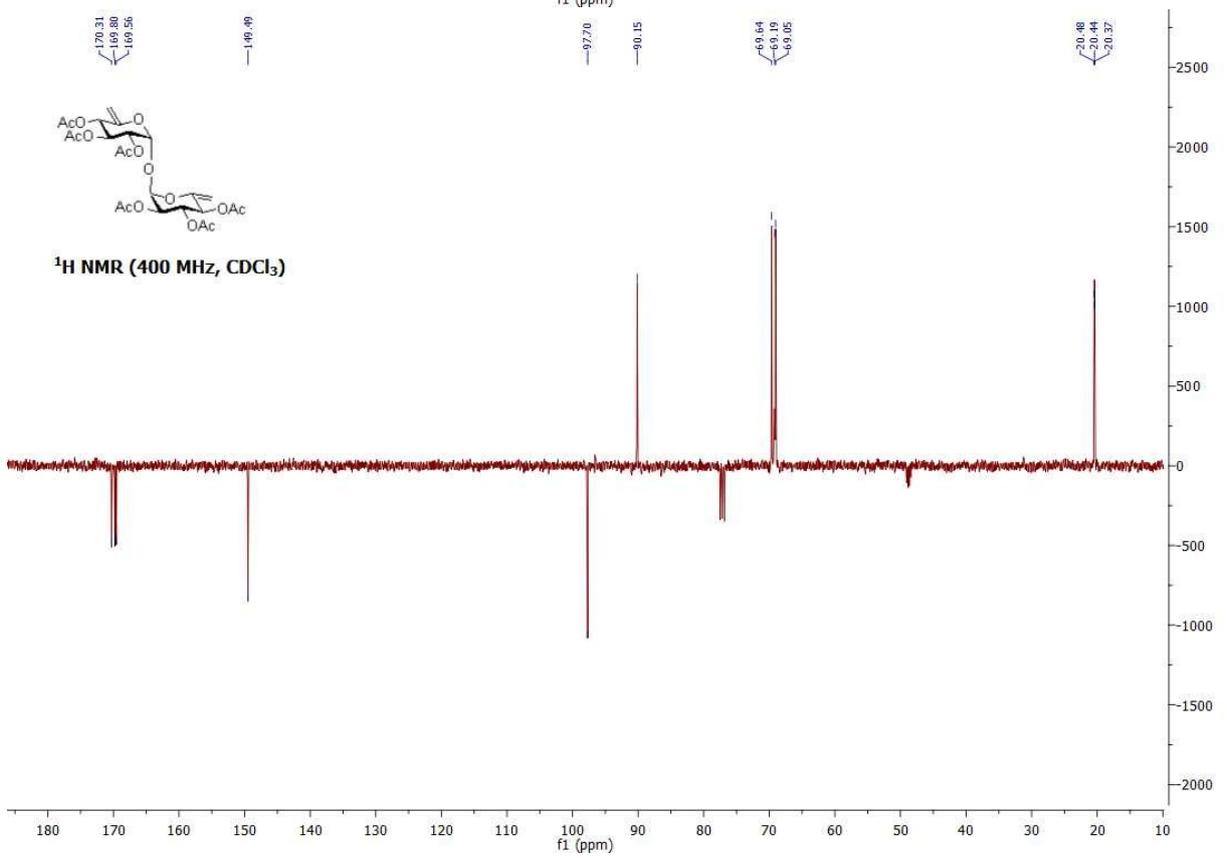


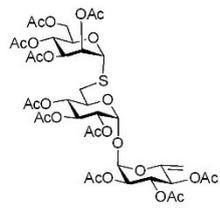


¹H NMR (400 MHz, CDCl₃)

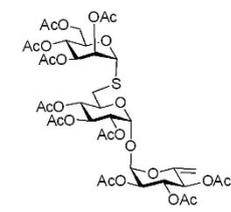
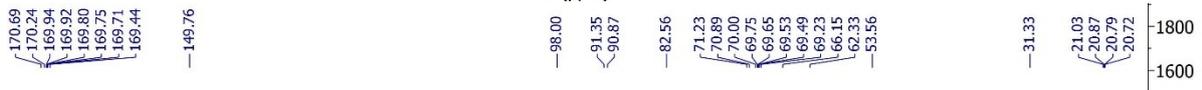
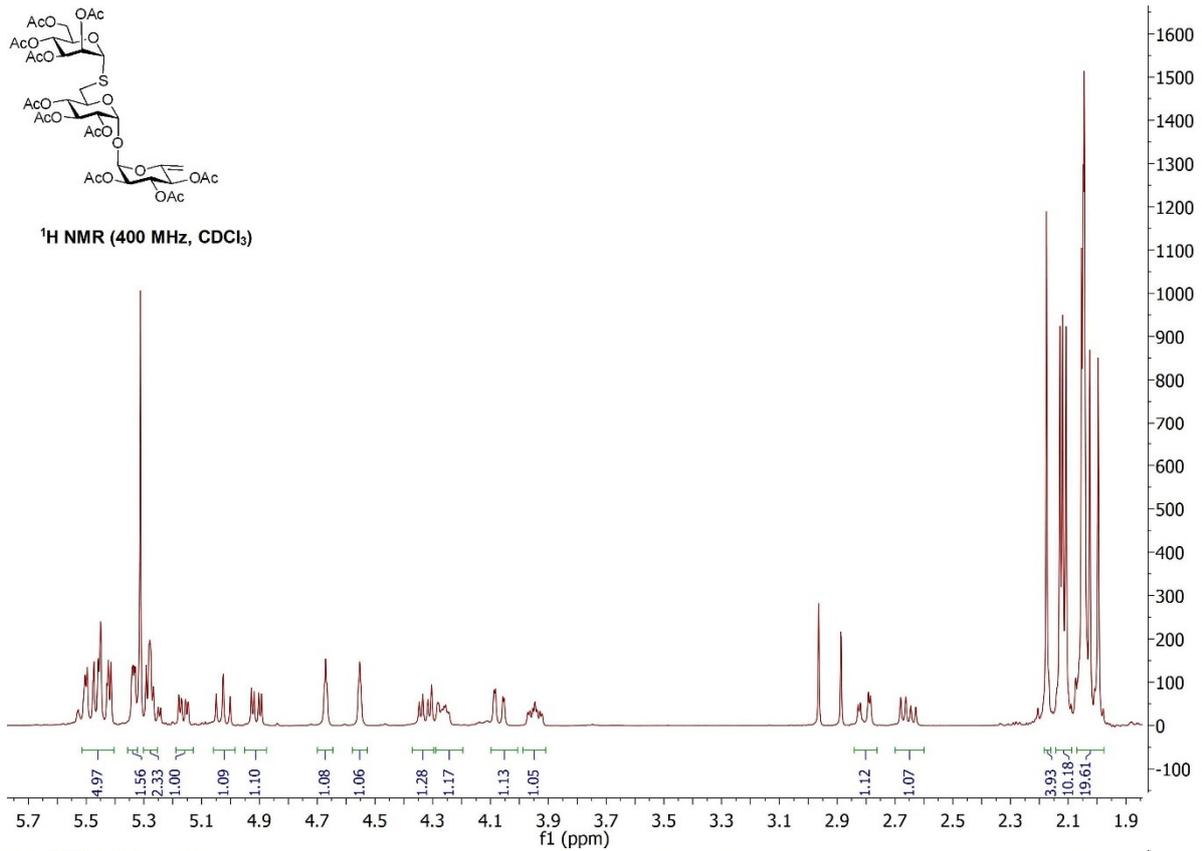


¹H NMR (400 MHz, CDCl₃)

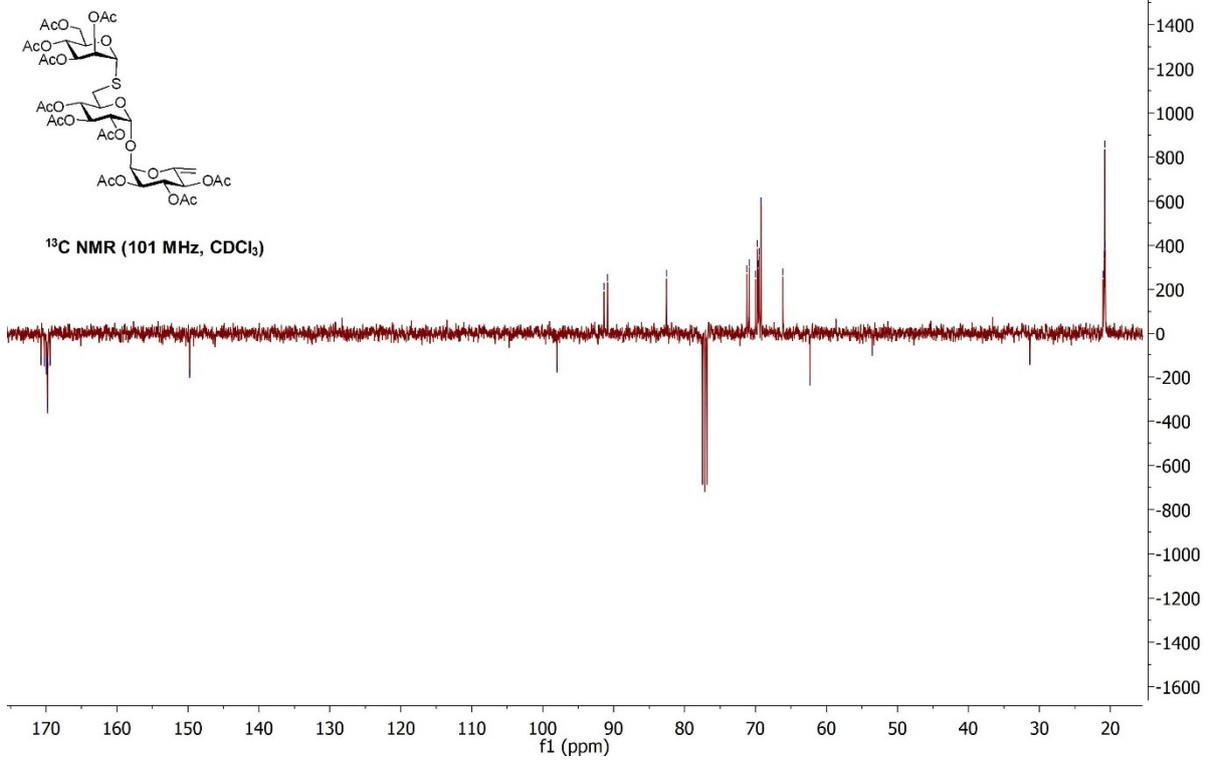


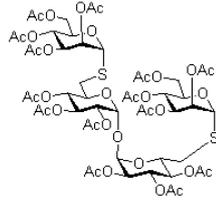


¹H NMR (400 MHz, CDCl₃)



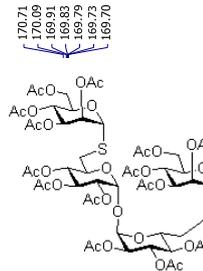
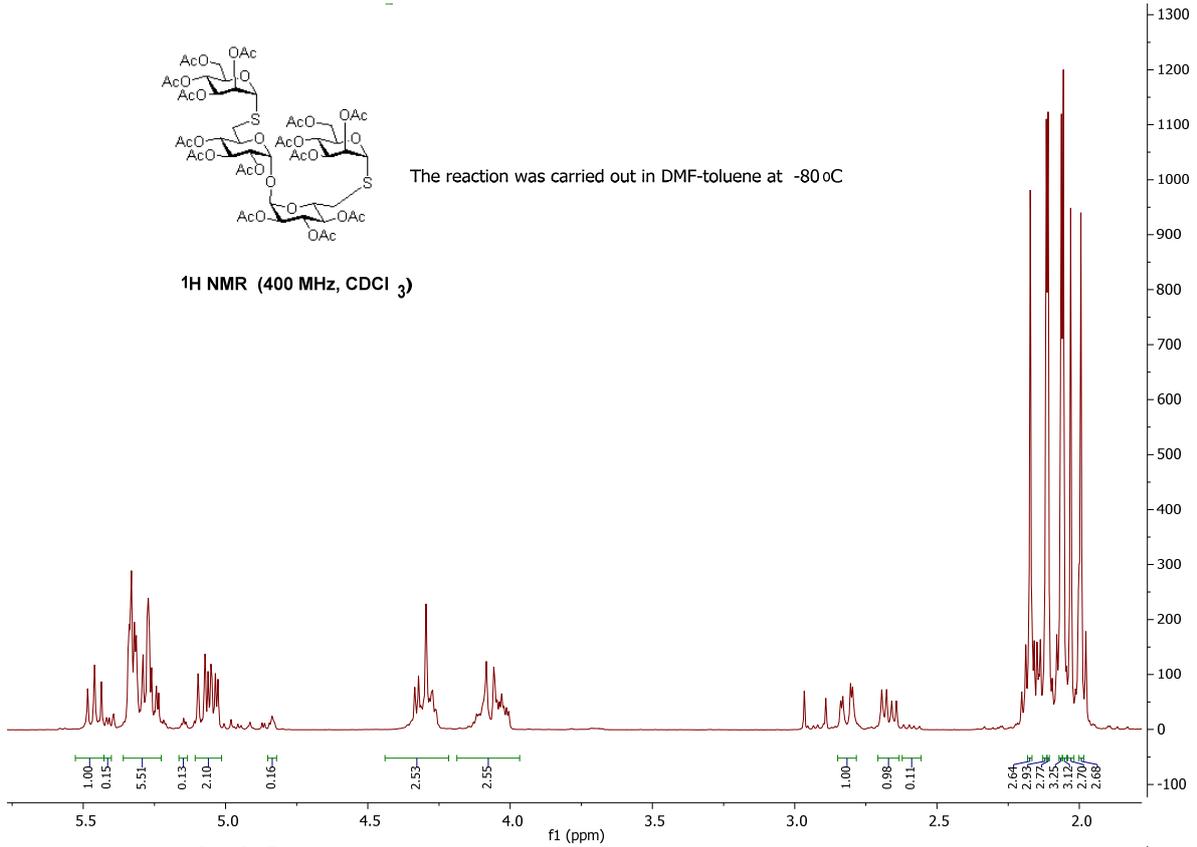
¹³C NMR (101 MHz, CDCl₃)





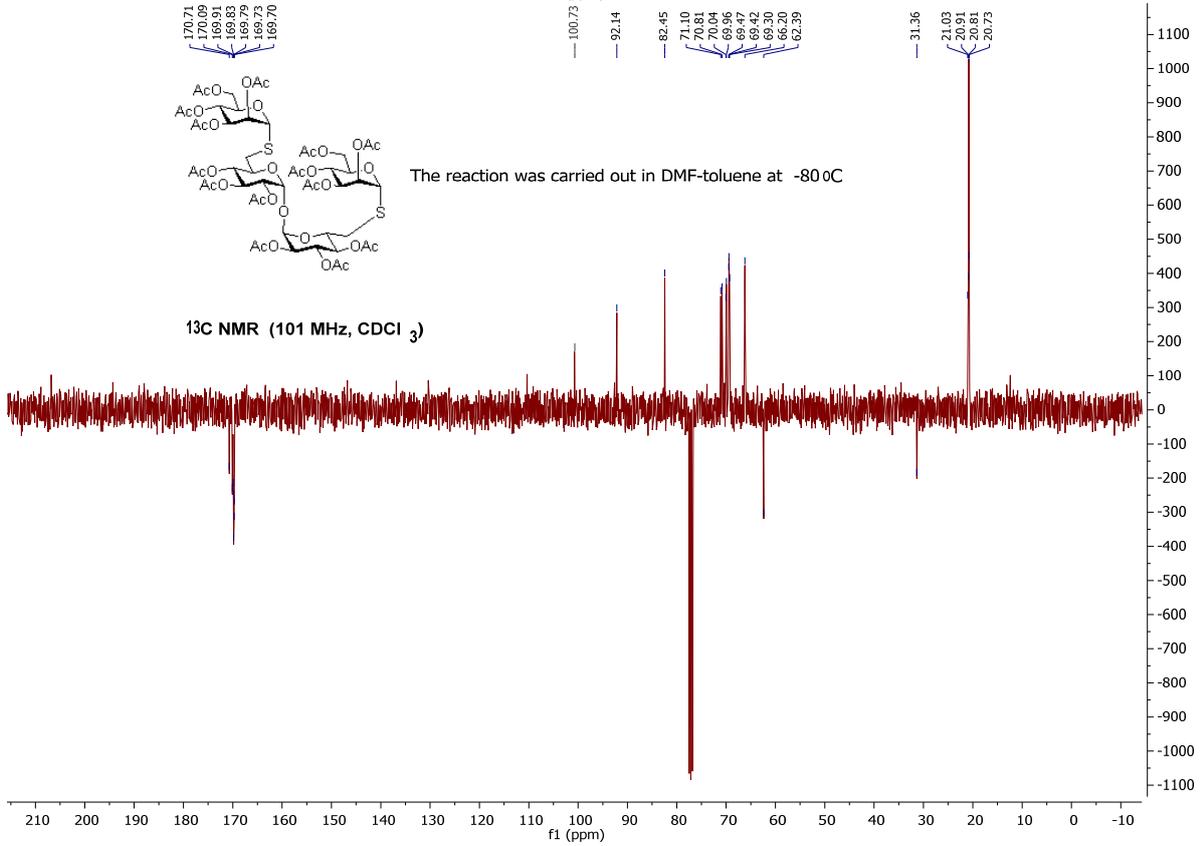
The reaction was carried out in DMF-toluene at -80°C

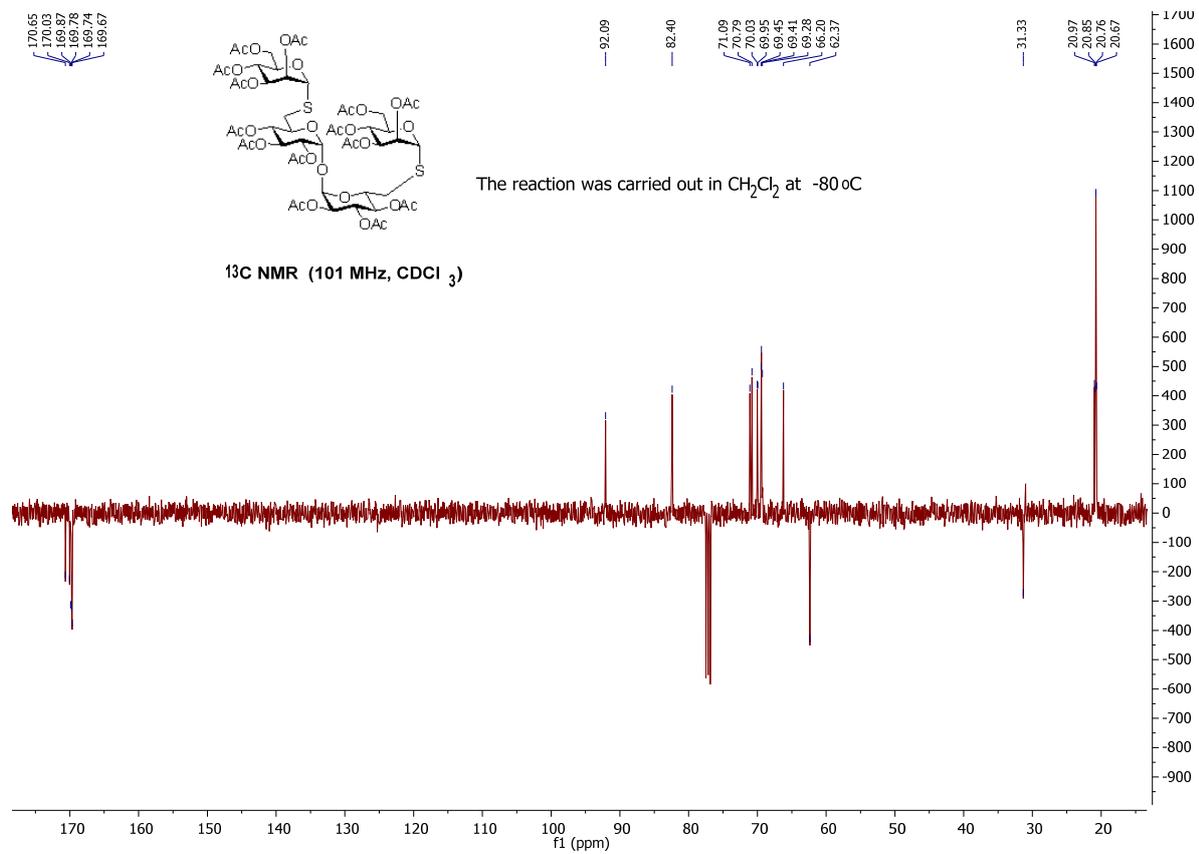
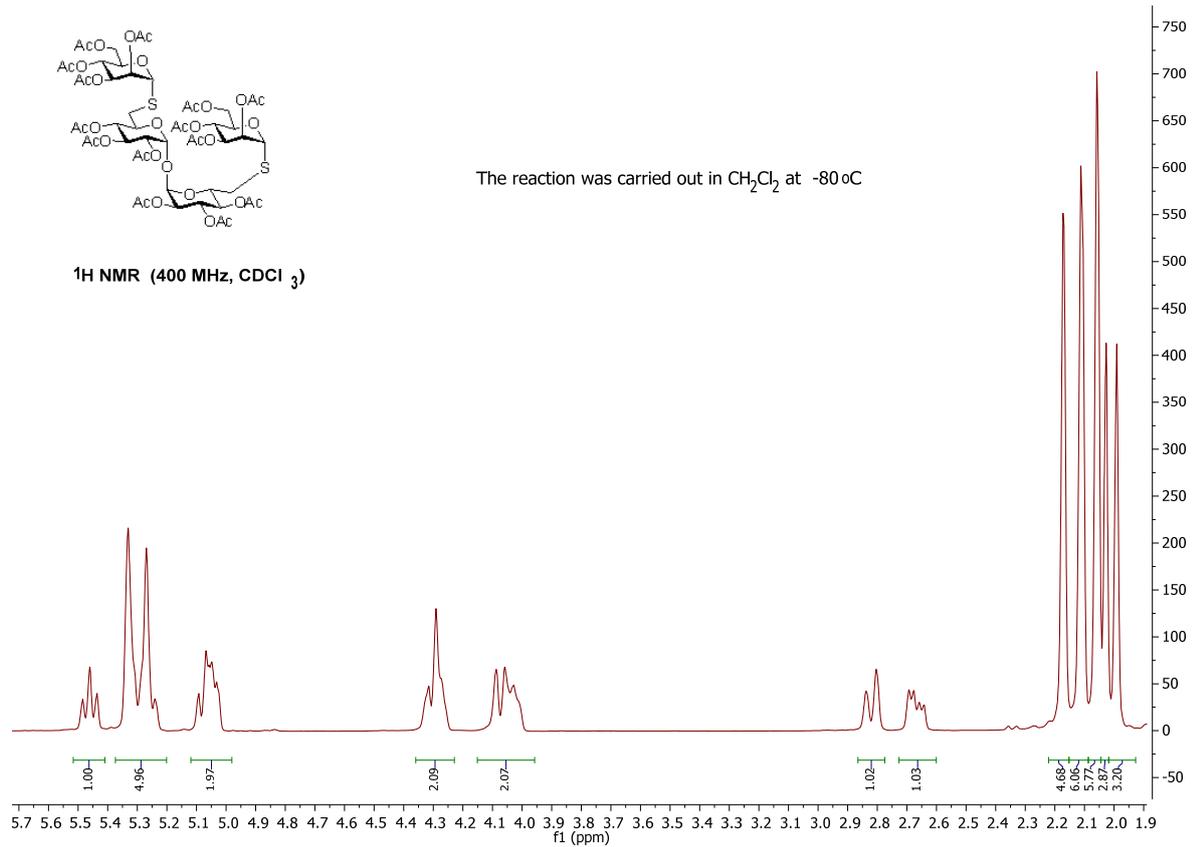
¹H NMR (400 MHz, CDCl₃)

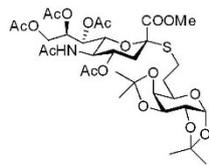


The reaction was carried out in DMF-toluene at -80°C

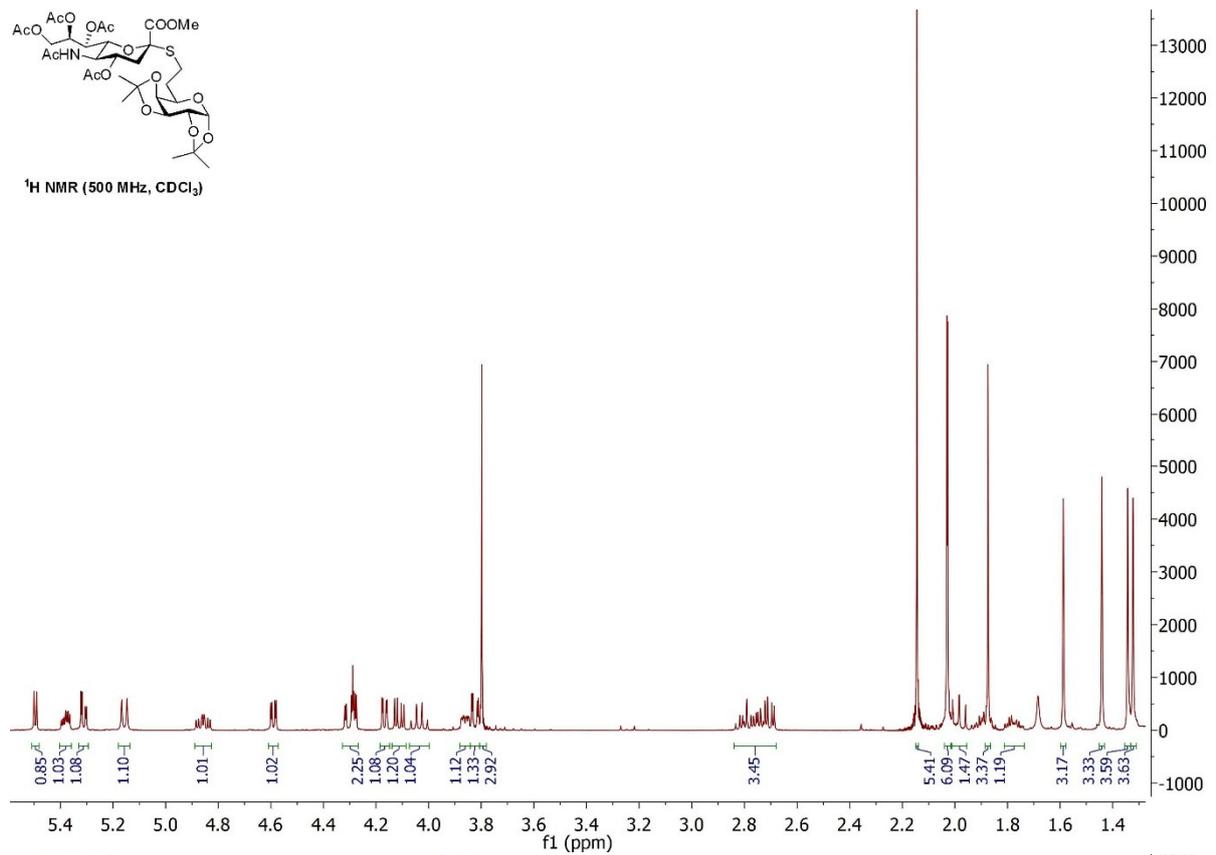
¹³C NMR (101 MHz, CDCl₃)



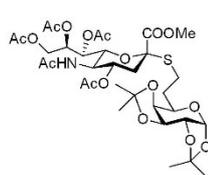




¹H NMR (500 MHz, CDCl₃)



171.09
170.79
170.30
170.00



¹³C NMR (91 MHz, CDCl₃)

