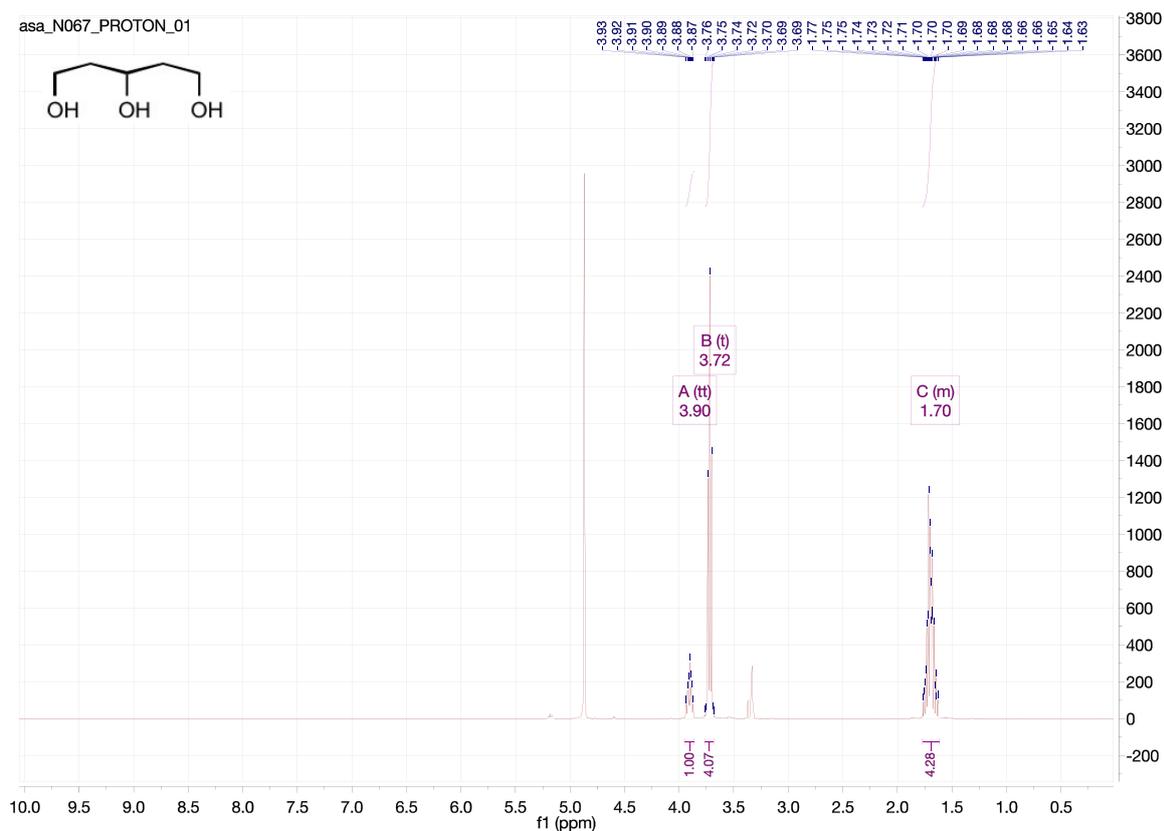
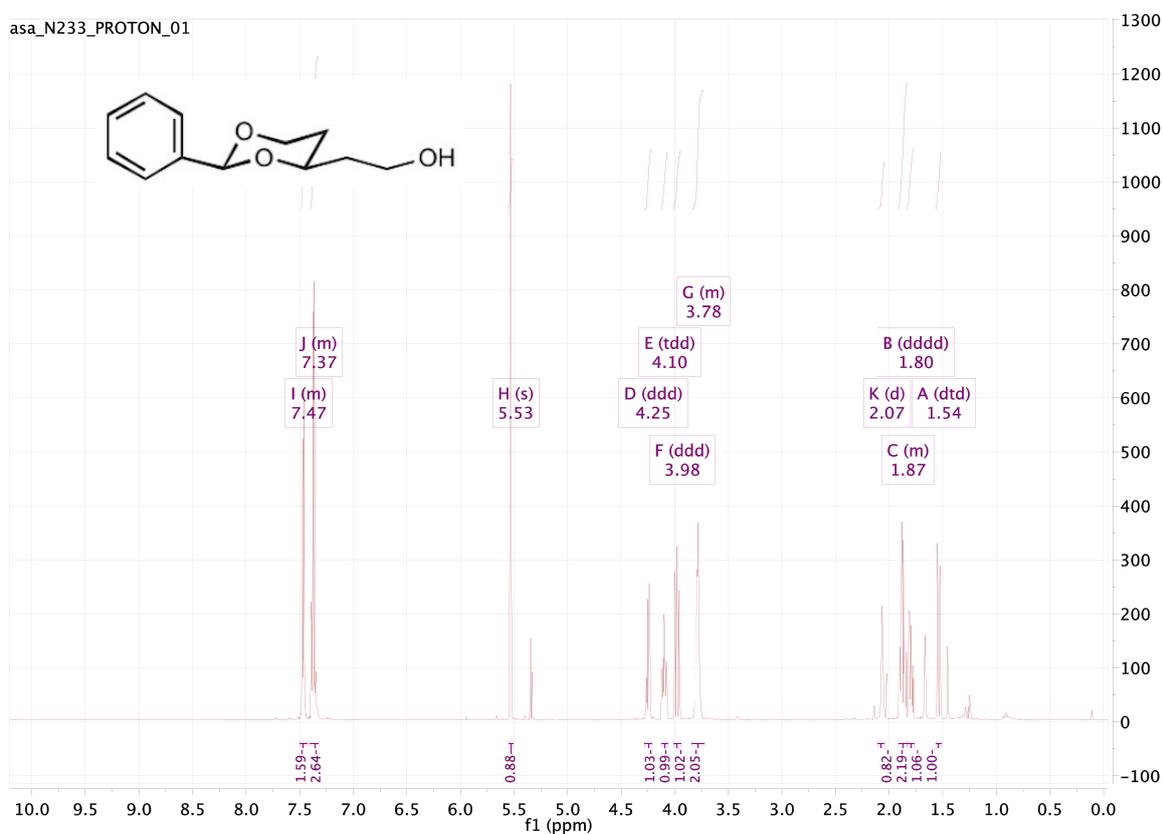
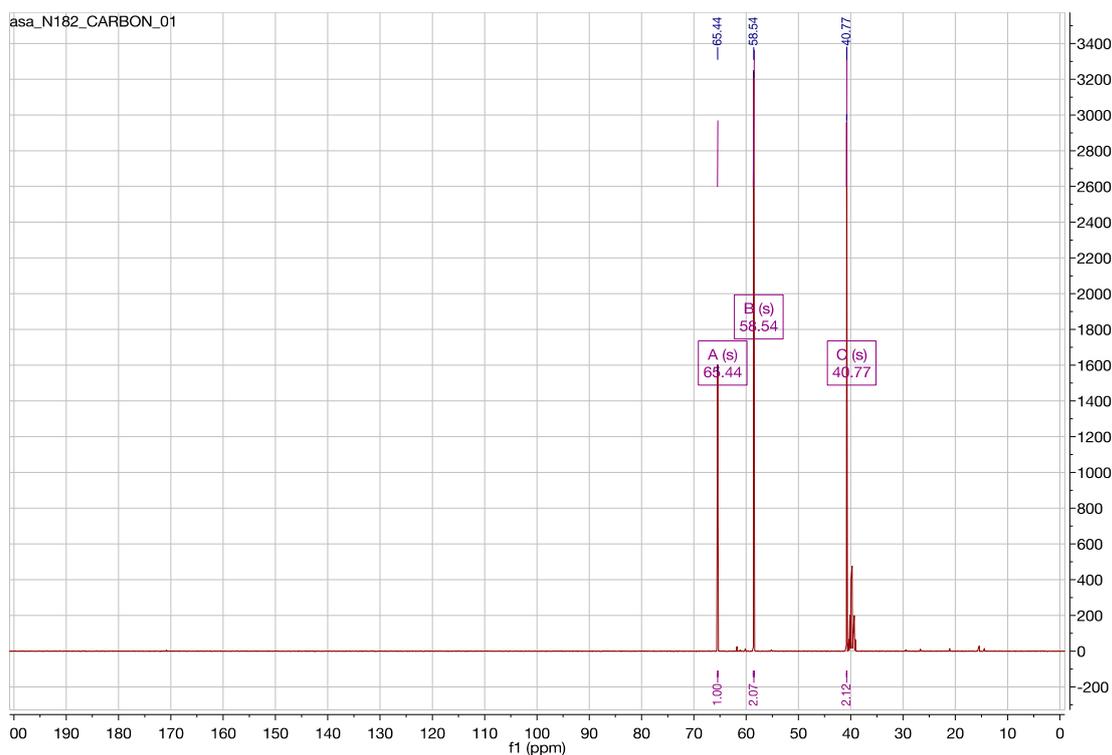


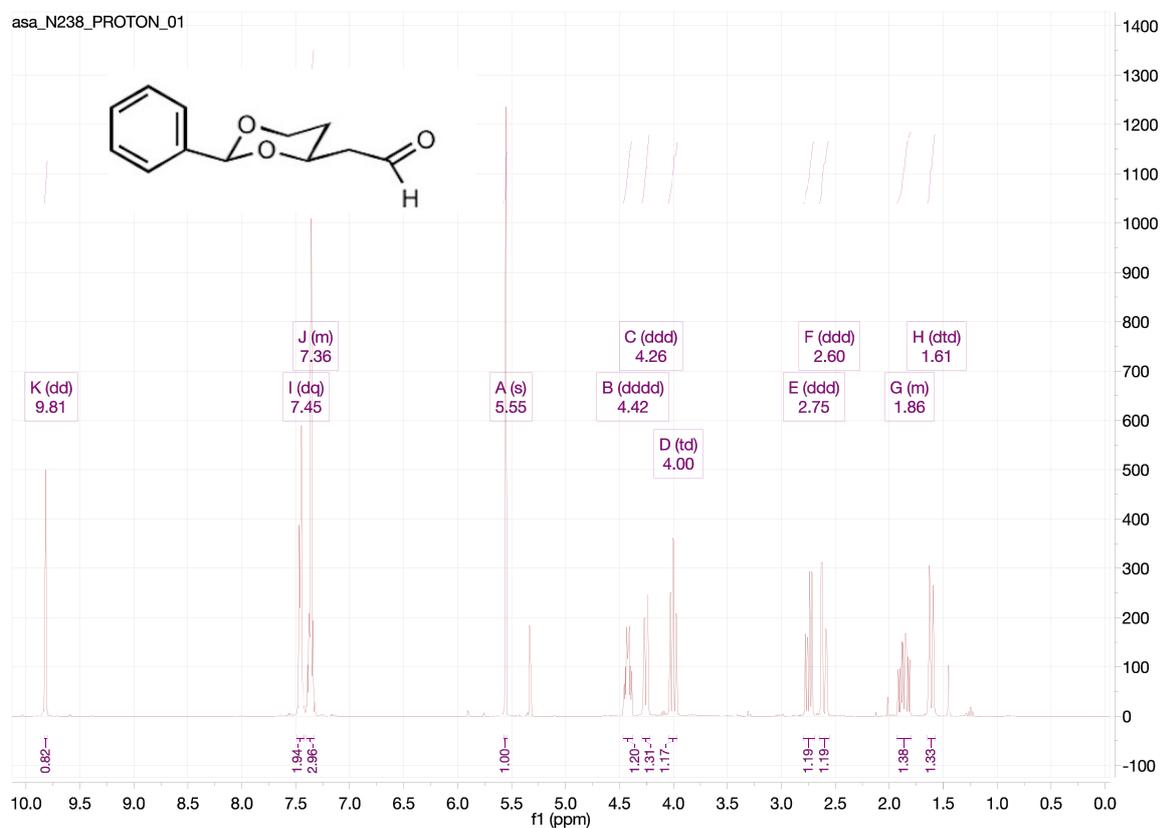
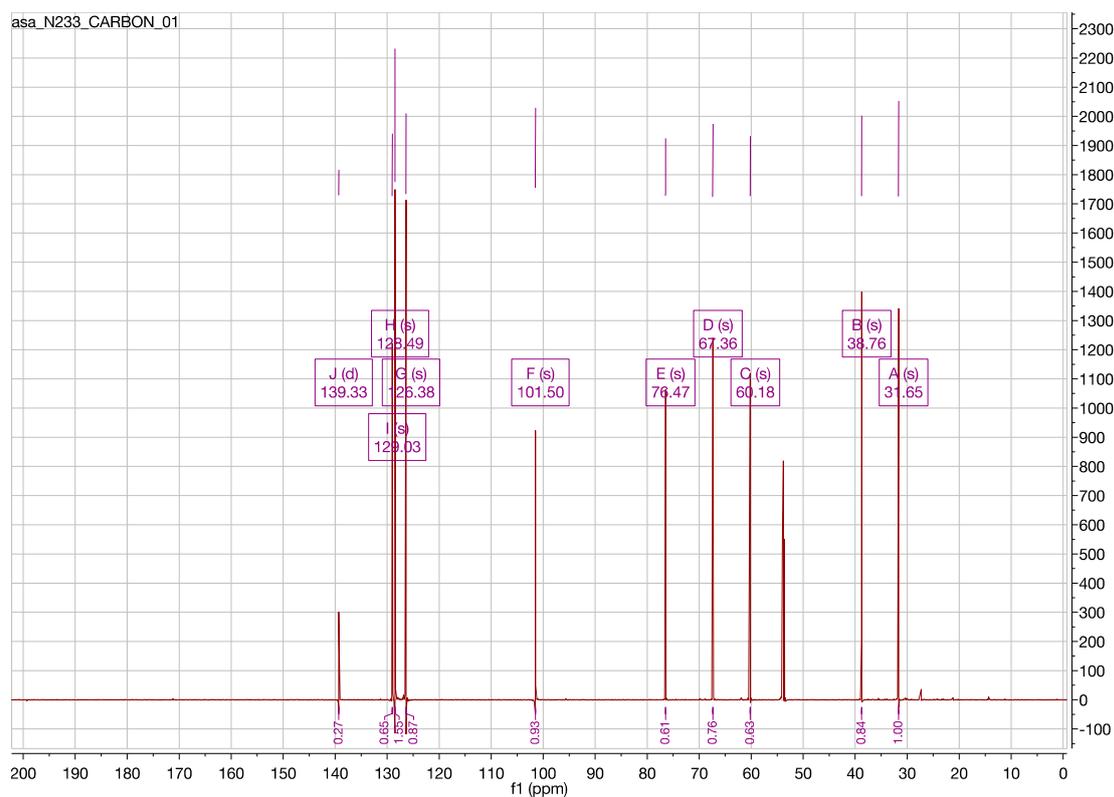
Supplementary Materials: Double Intramolecular Transacetalization of Polyhydroxy Acetals: Synthesis of Conformationally Restricted 1,3-Dioxanes with Axially Oriented Phenyl Moiety

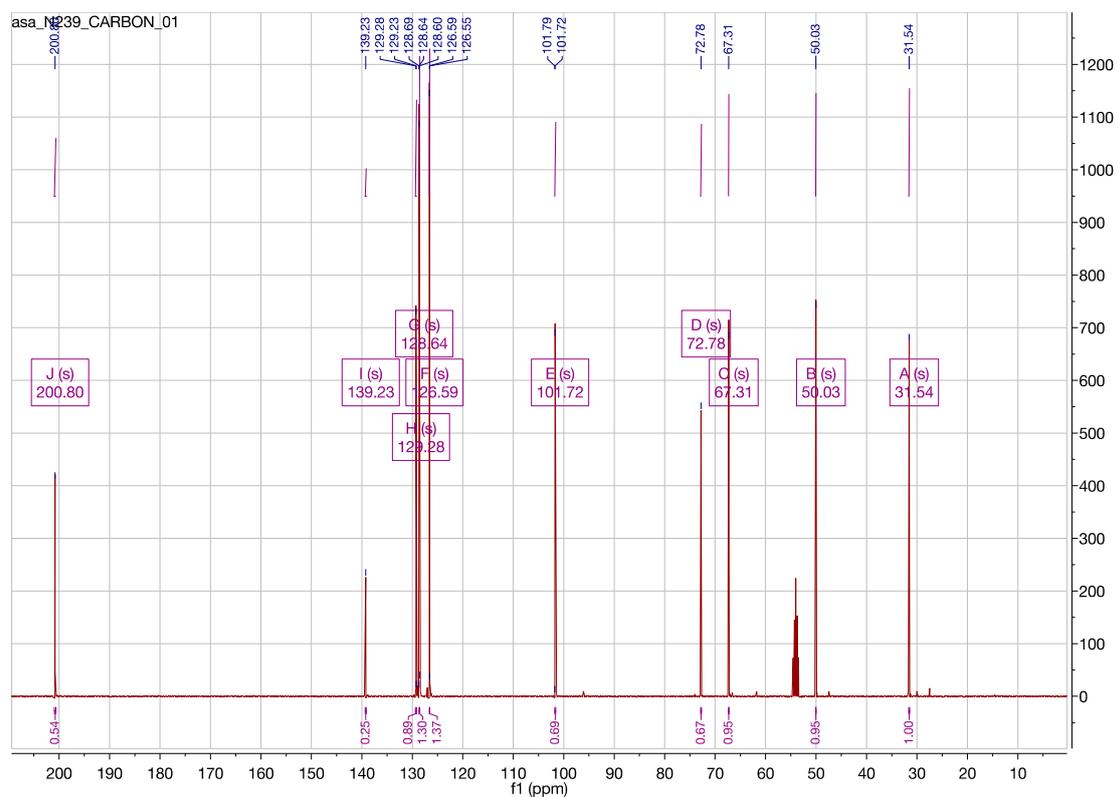
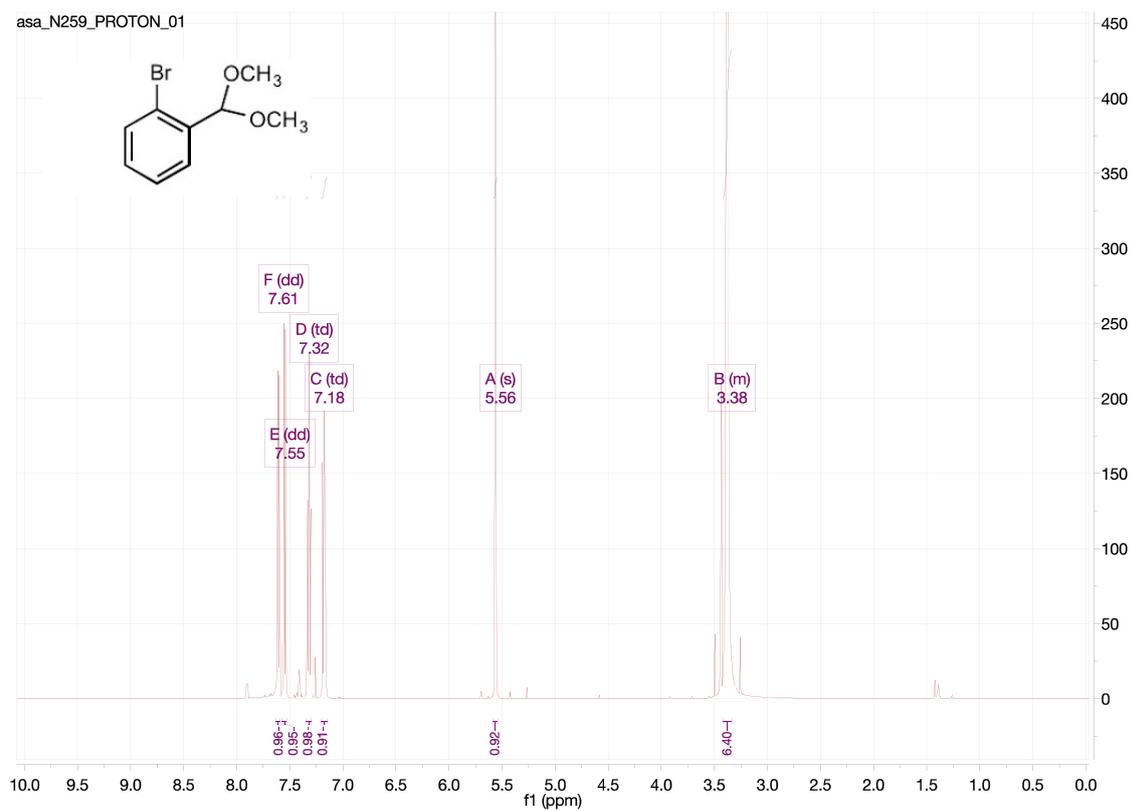
Samuel Asare-Nkansah and Bernhard Wunsch

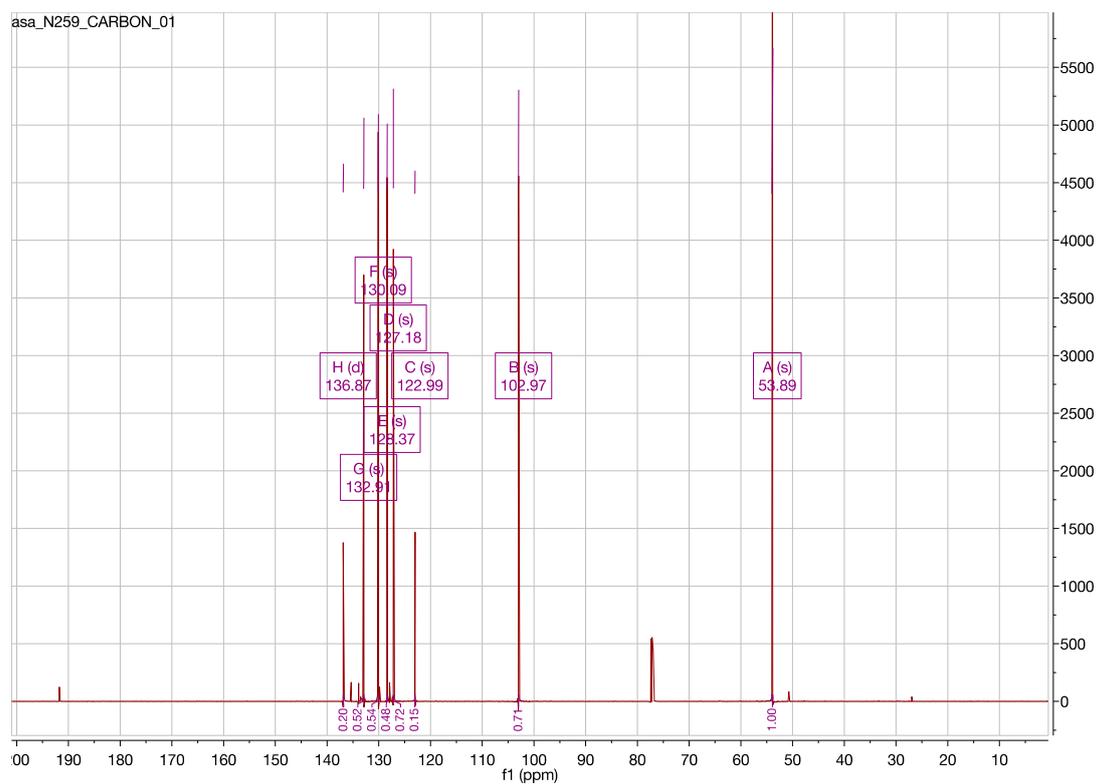
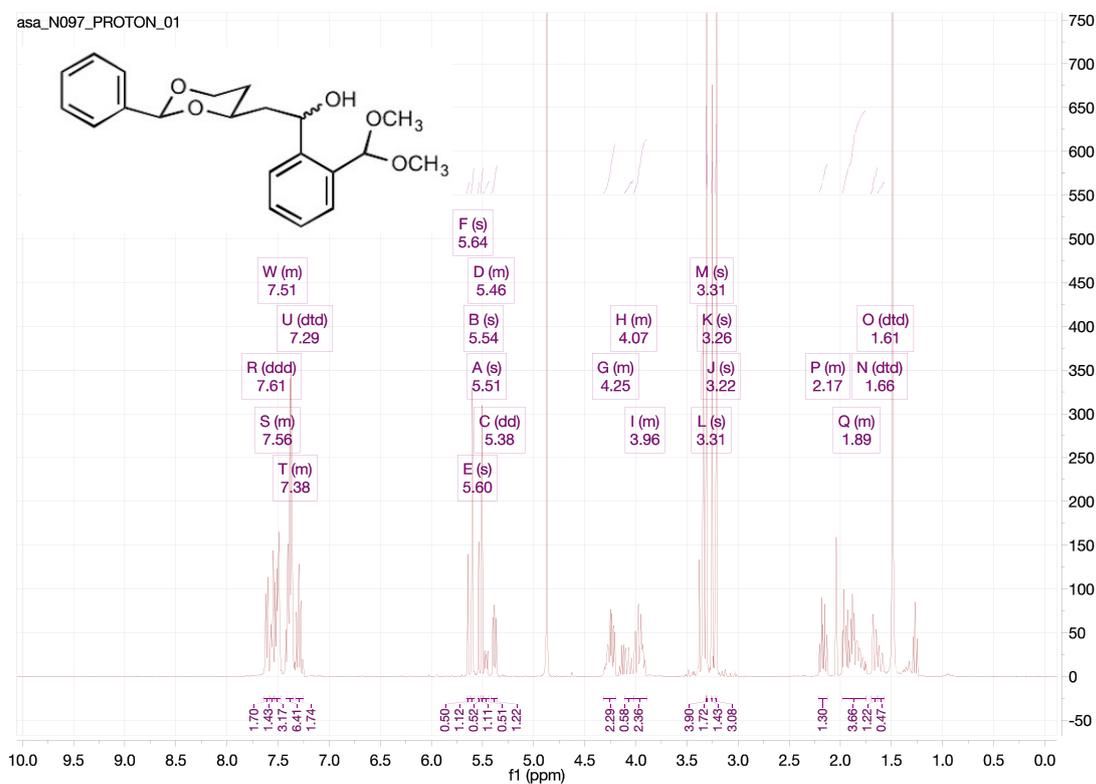
The Supplementary Materials contains representative ^1H - and ^{13}C -NMR spectra.







Figure S3. ^1H - (top) and ^{13}C -NMR spectrum (bottom) of **11**.

Figure S4. ^1H - (top) and ^{13}C -NMR spectrum (bottom) of 17a.

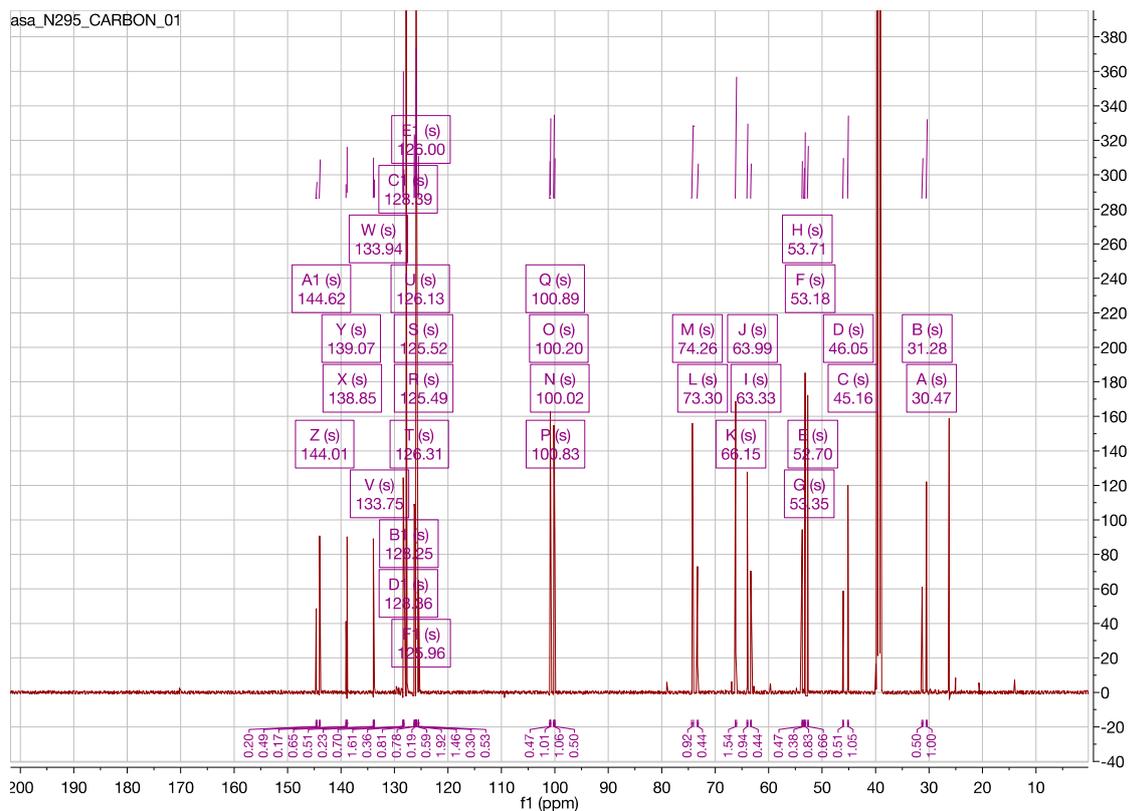
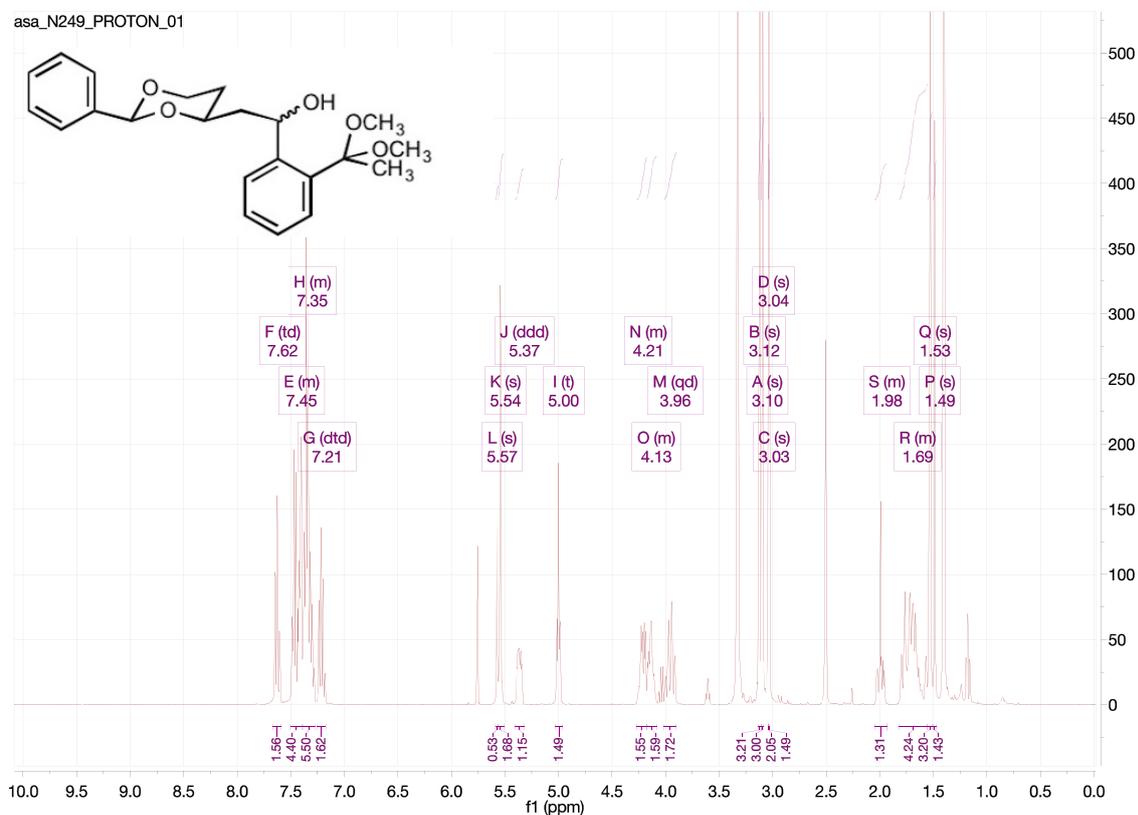
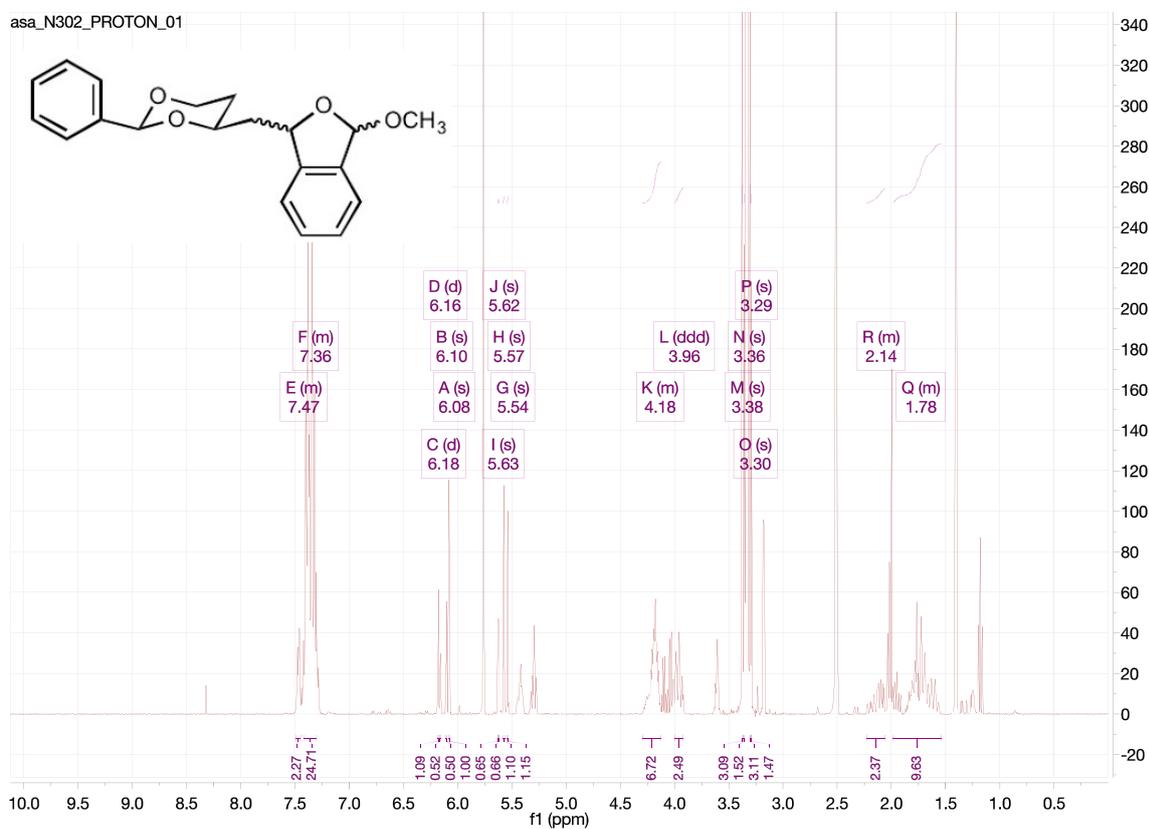
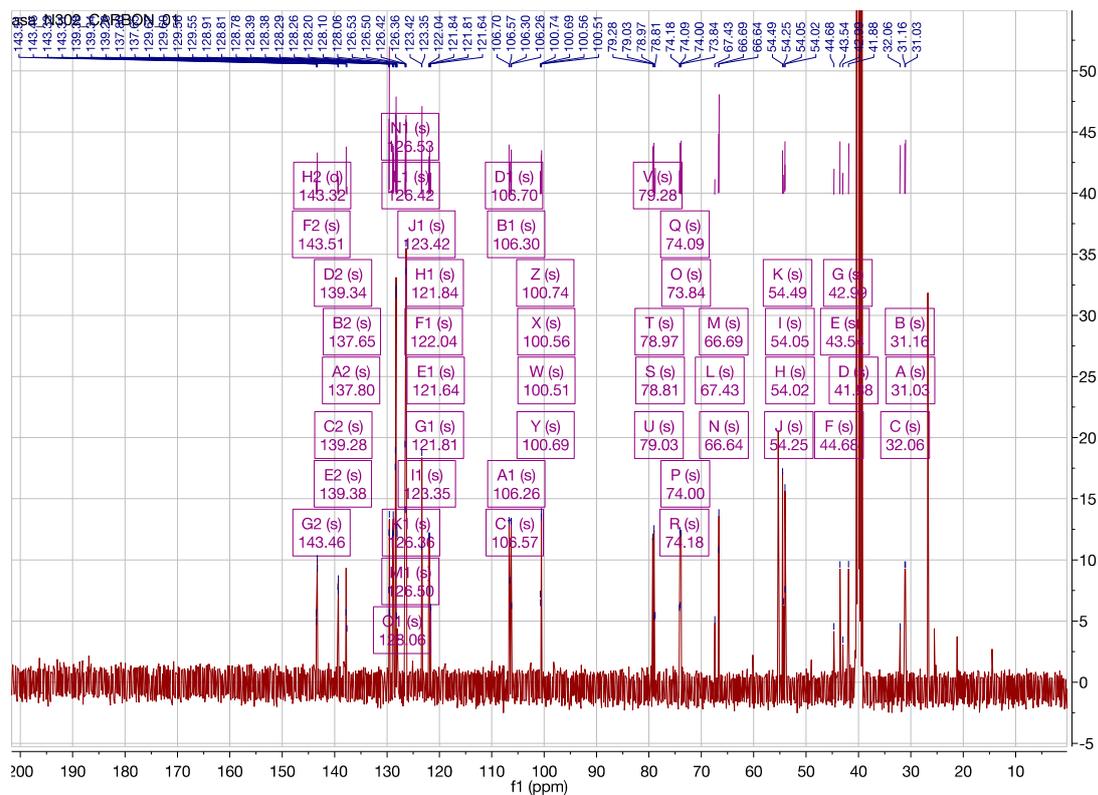
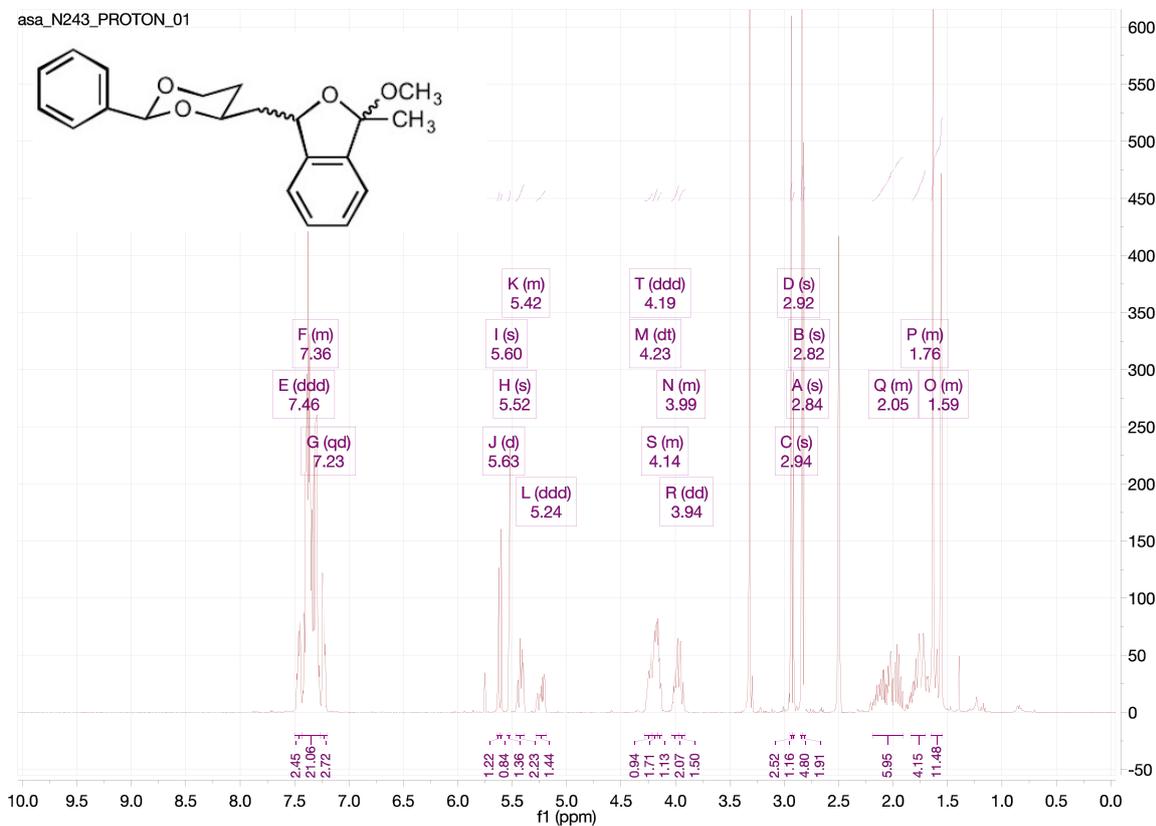
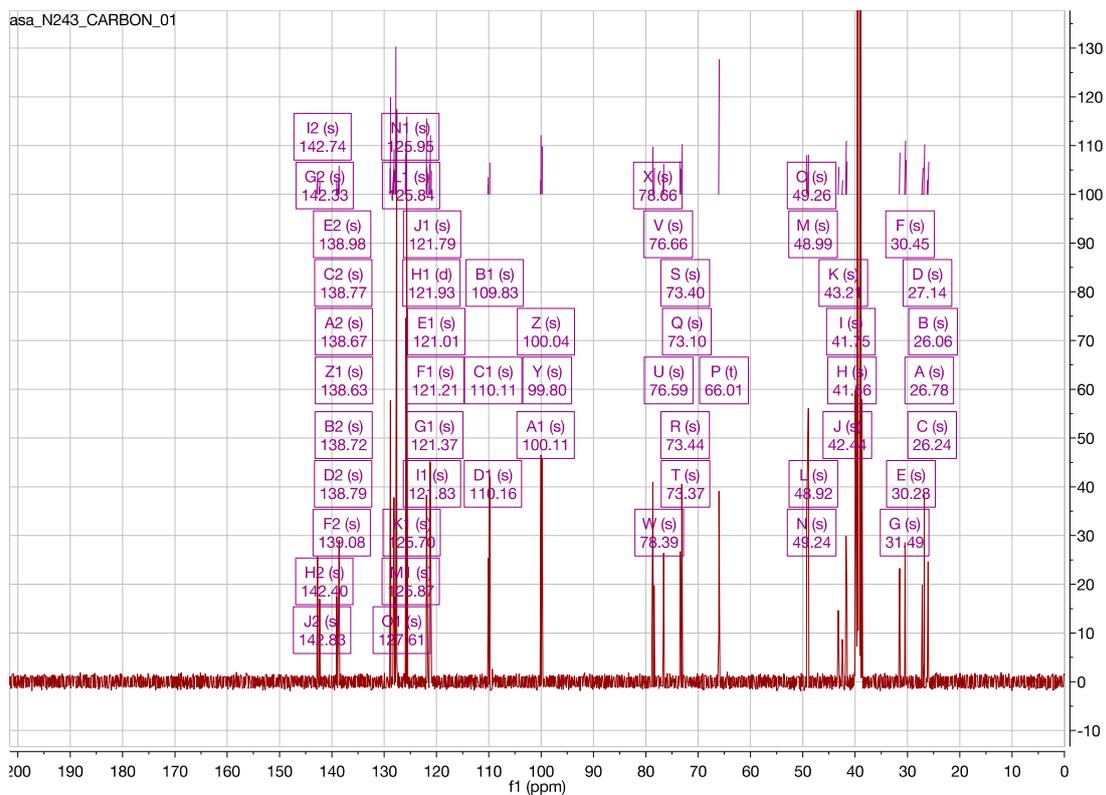
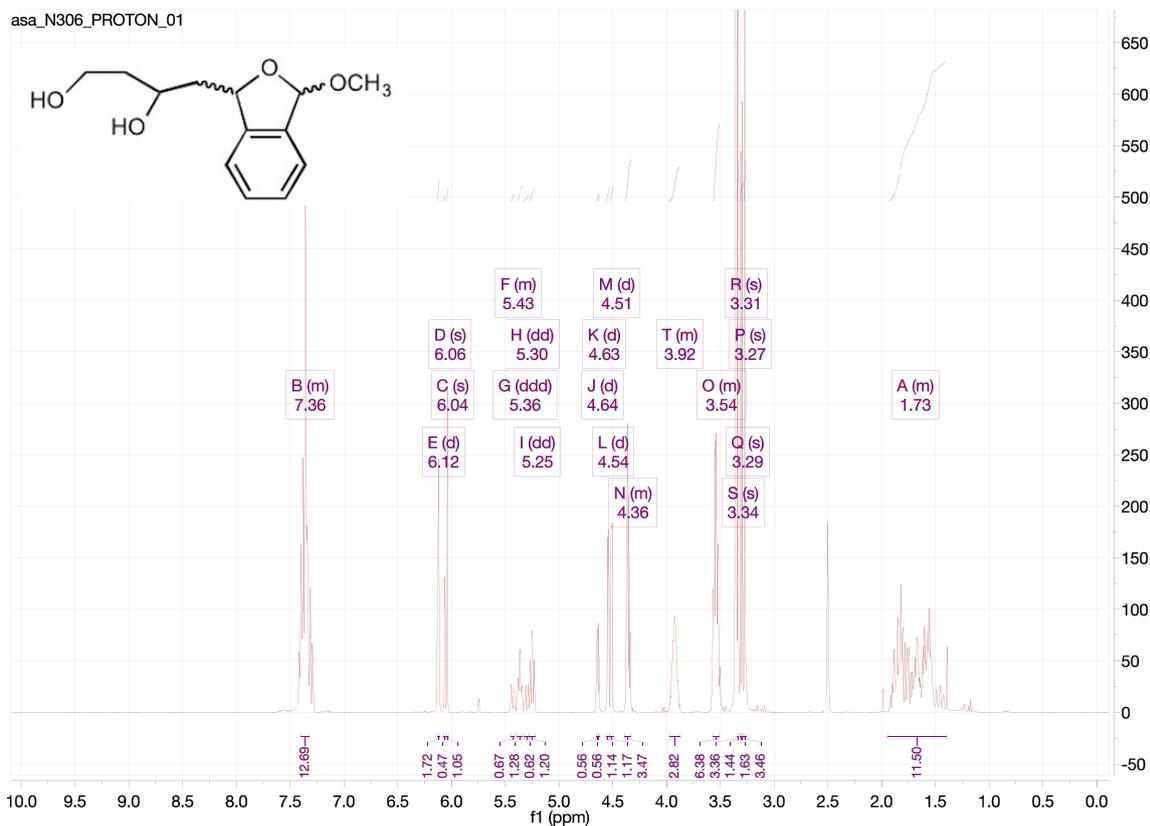
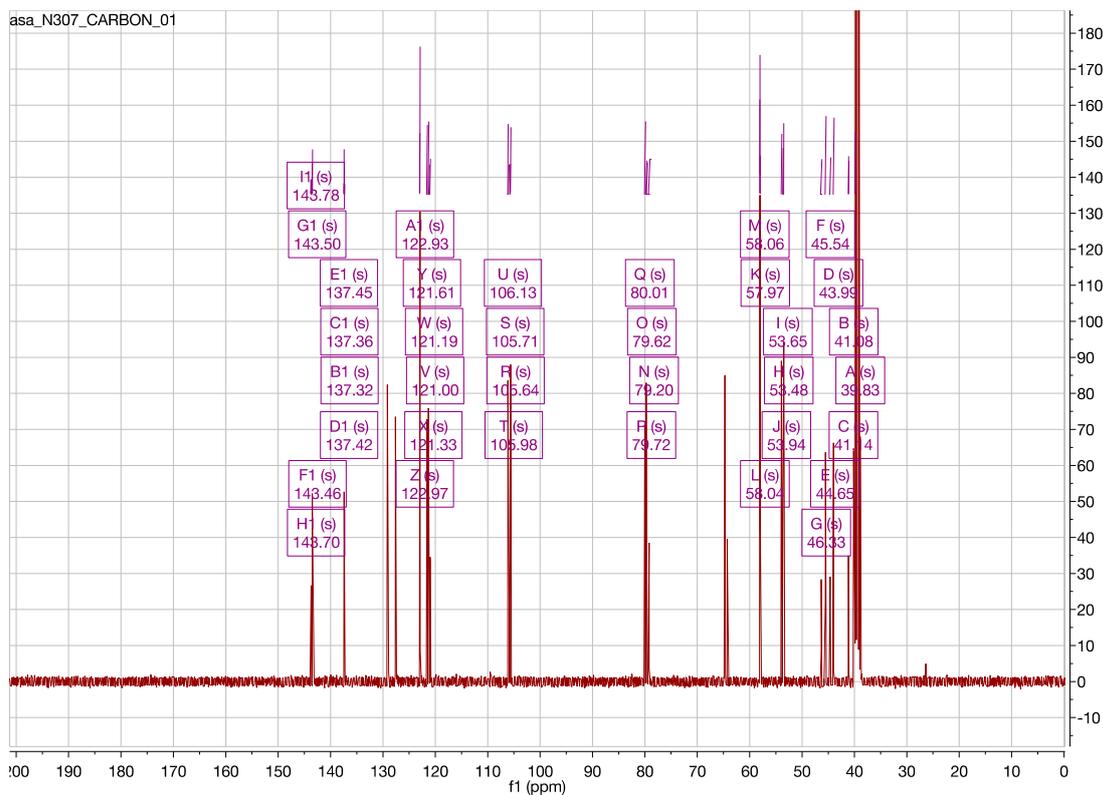
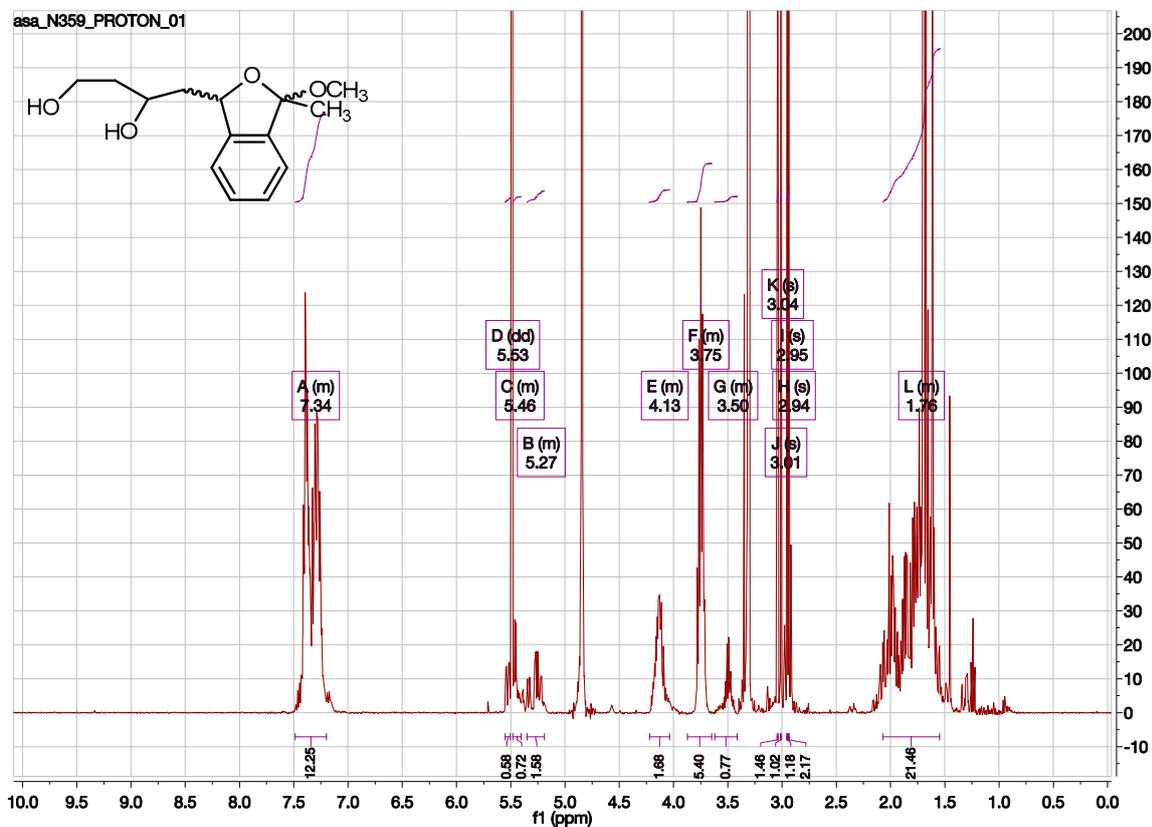
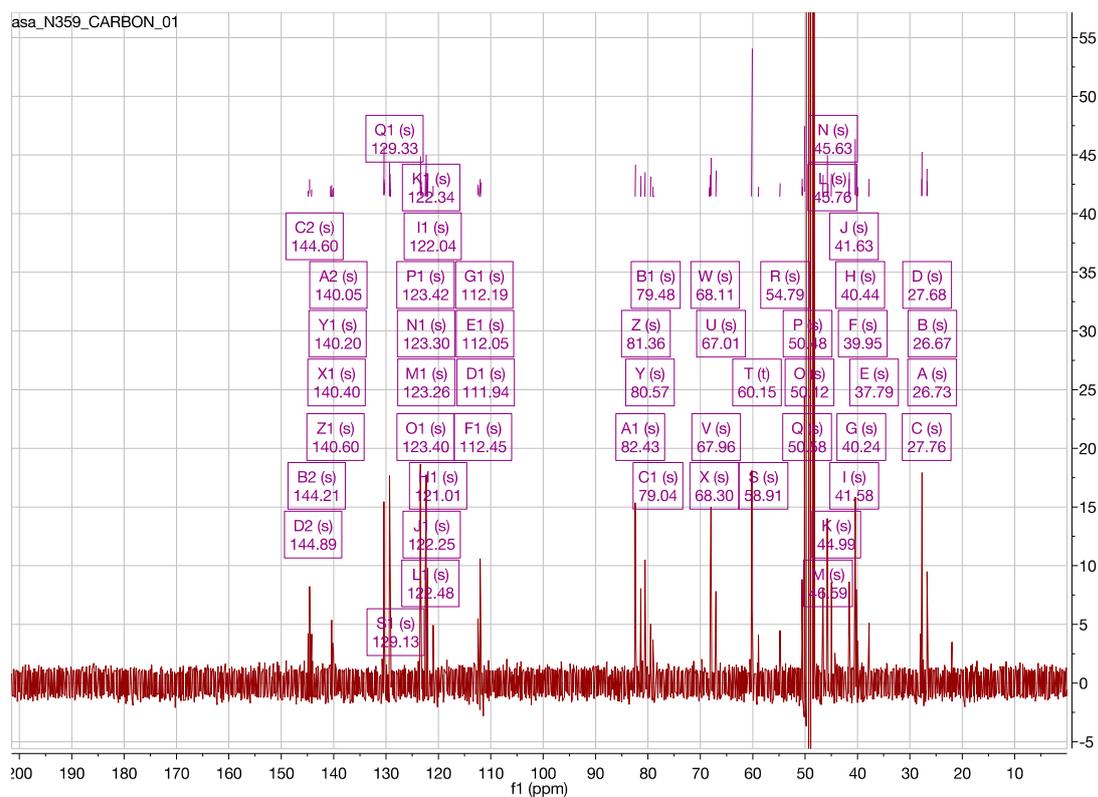
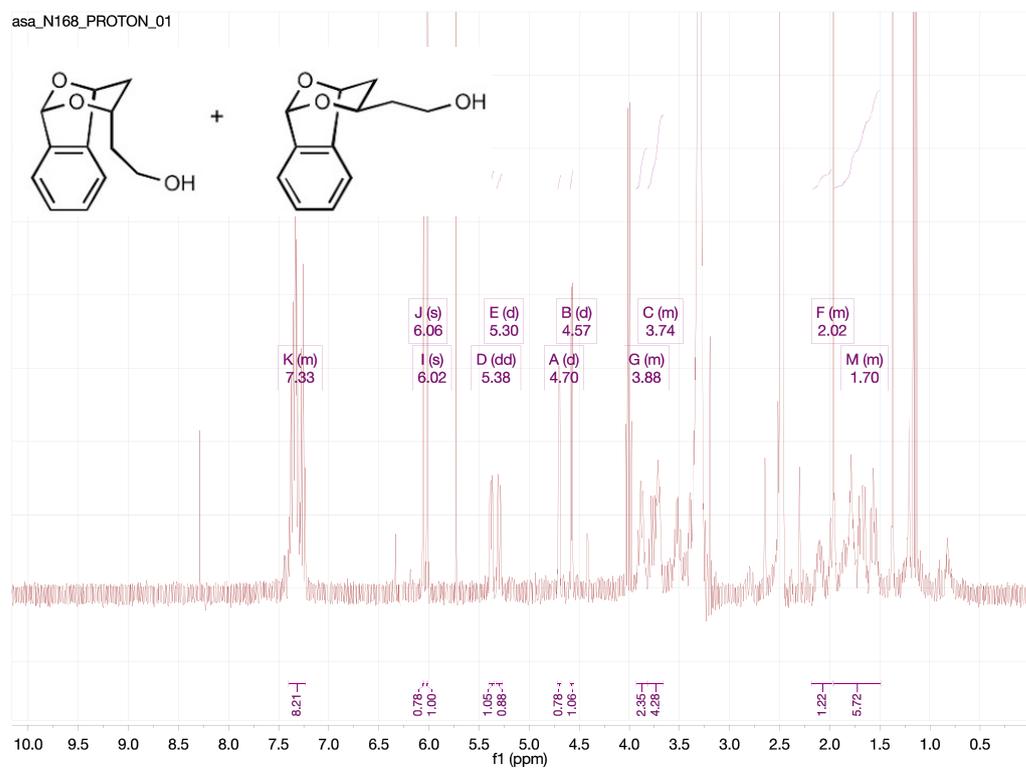
Figure S5. ¹H- (top) and ¹³C-NMR spectrum (bottom) of 12a.

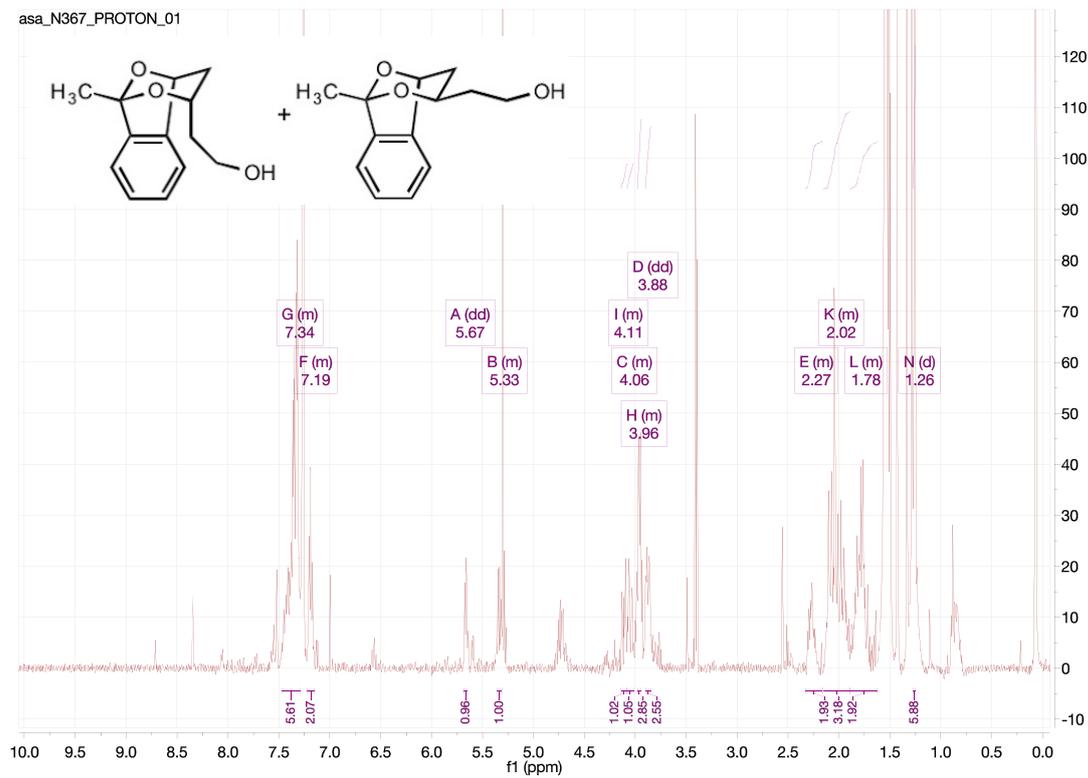
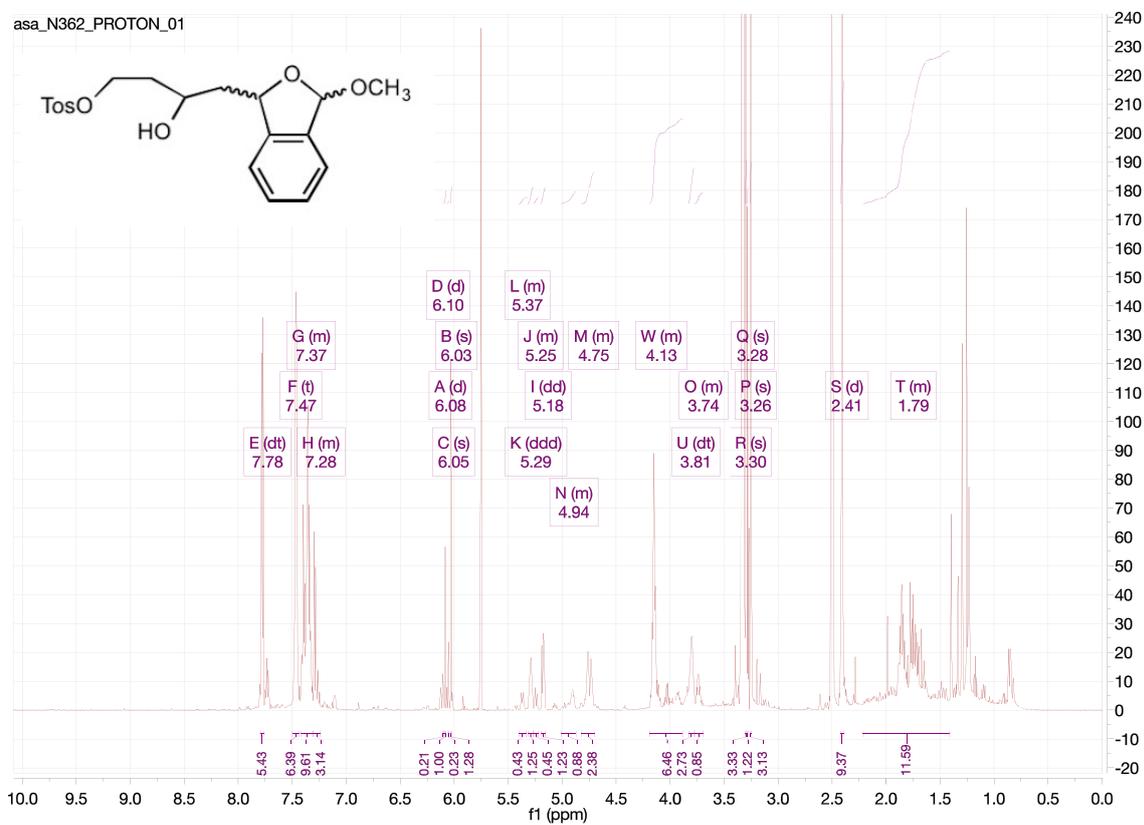
Figure S6. ^1H - (top) and ^{13}C -NMR spectrum (bottom) of **12b**.

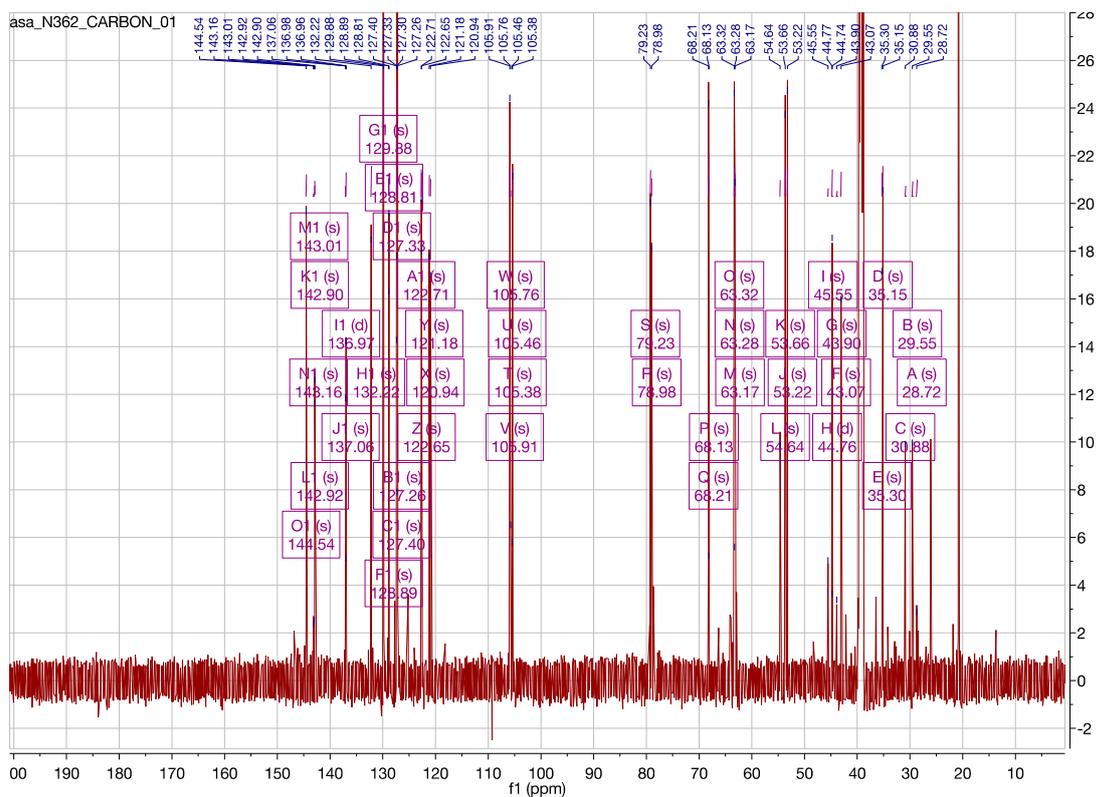
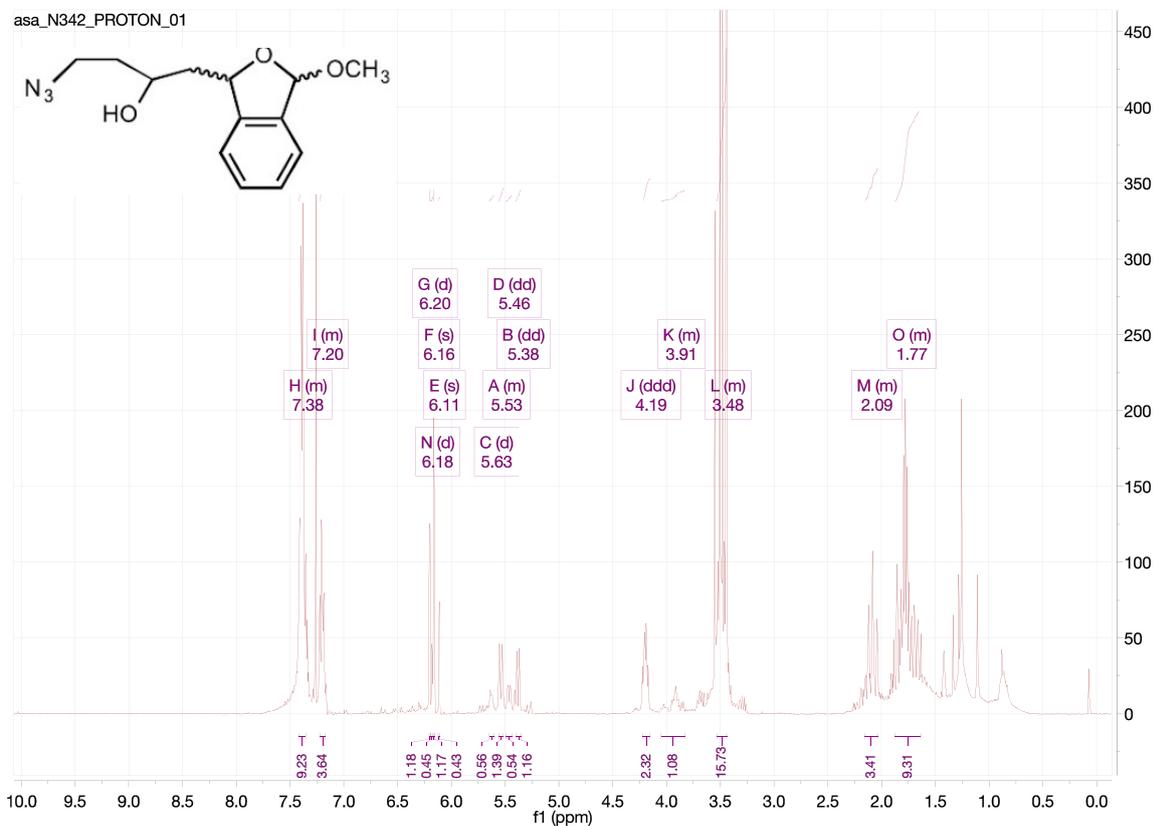
Figure S7. ¹H- (top) and ¹³C-NMR spectrum (bottom) of 18a.

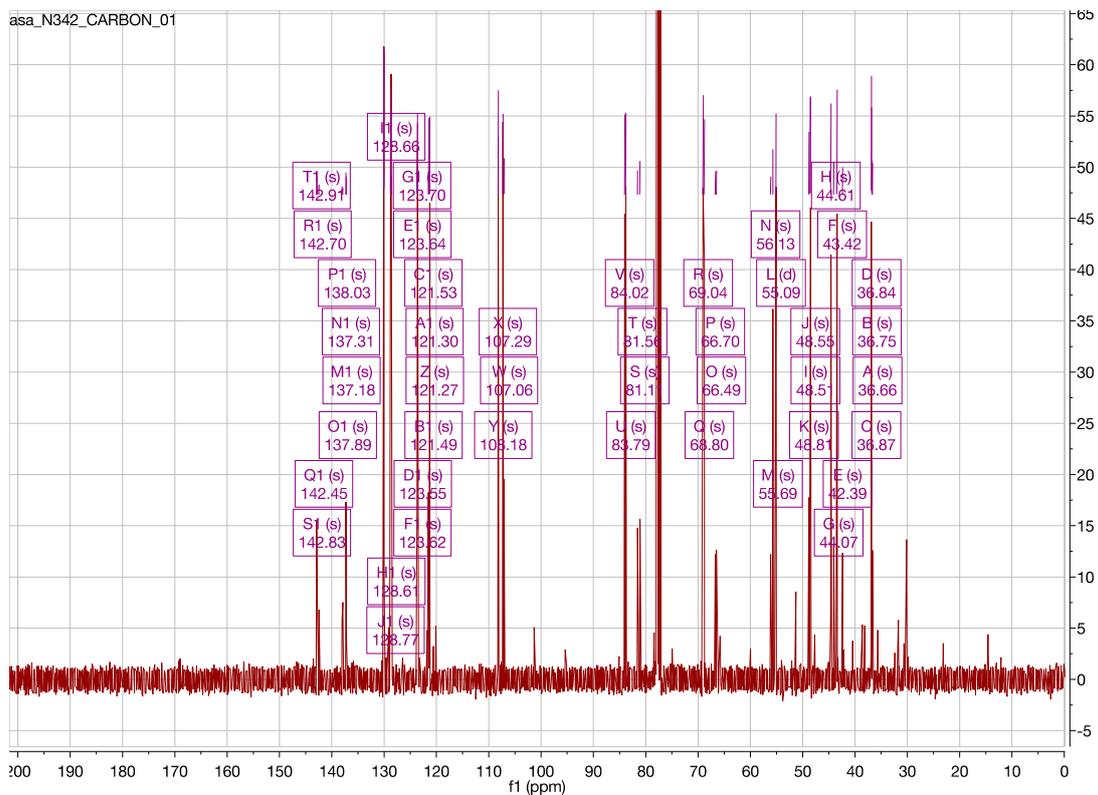
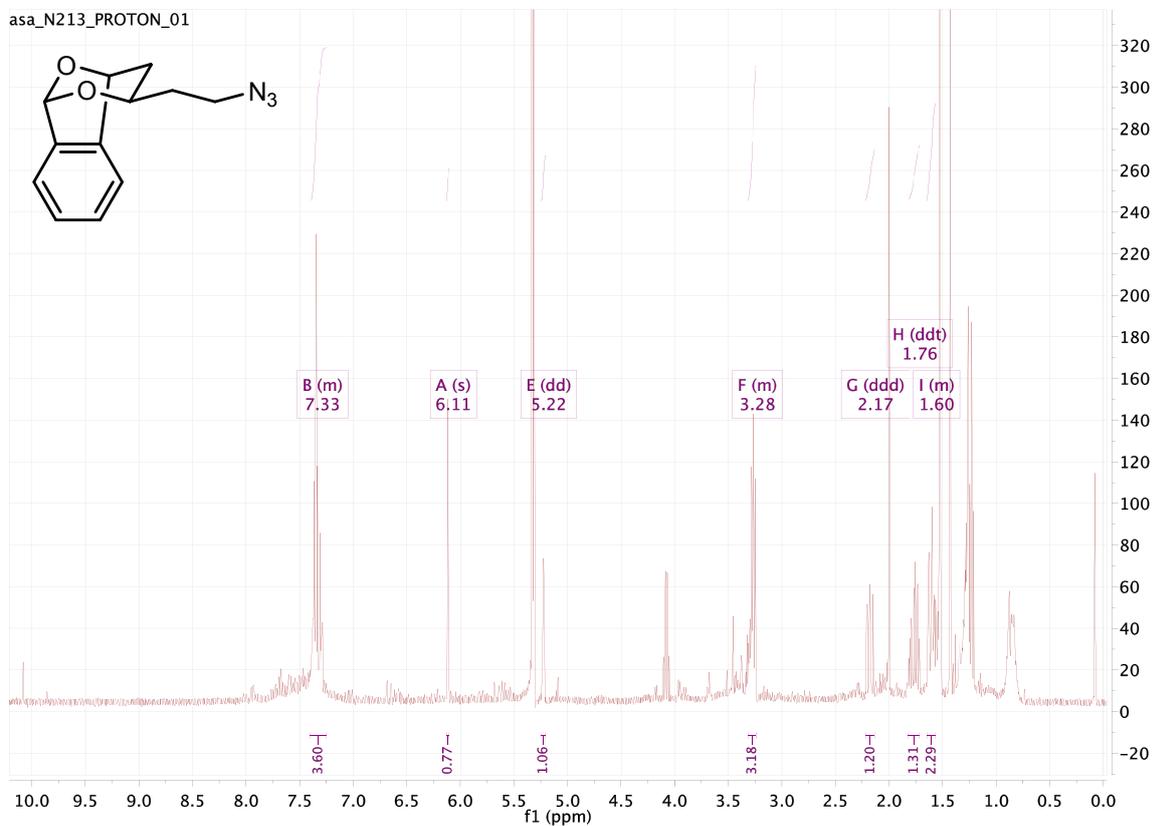
Figure S8. ^1H - (top) and ^{13}C -NMR spectrum (bottom) of 18b.

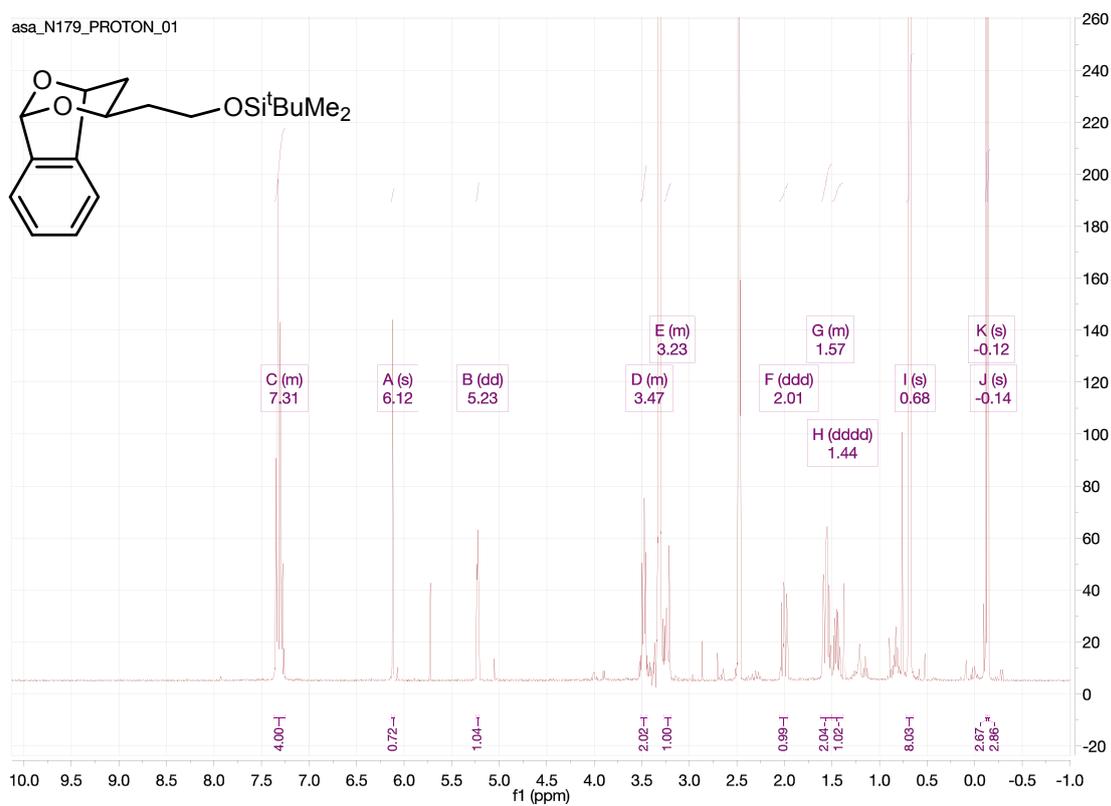
Figure S9. ¹H- (top) and ¹³C-NMR spectrum (bottom) of 13a.

Figure S10. ^1H - (top) and ^{13}C -NMR spectrum (bottom) of **13b**.Figure S11. ^1H -NMR spectrum of **14a**.

Figure S12. ¹H-NMR spectrum of 14b.

Figure S13. ¹H- (top) and ¹³C-NMR spectrum (bottom) of 20a.

Figure S14. ¹H- (top) and ¹³C-NMR spectrum (bottom) of 21a.

Figure S17. ^1H -NMR spectrum of 22a.