

Synthesis and Evaluation of Novologues as C-Terminal Hsp90 Inhibitors with Cytoprotective Activity against Sensory Neuron Glucotoxicity

Bhaskar Reddy Kusuma[§], Liang Zhang[#], Teather Sundstrom[§], Laura B. Peterson[§], Rick T.
Dobrowsky[#] and Brian S. J. Blagg^{§*}

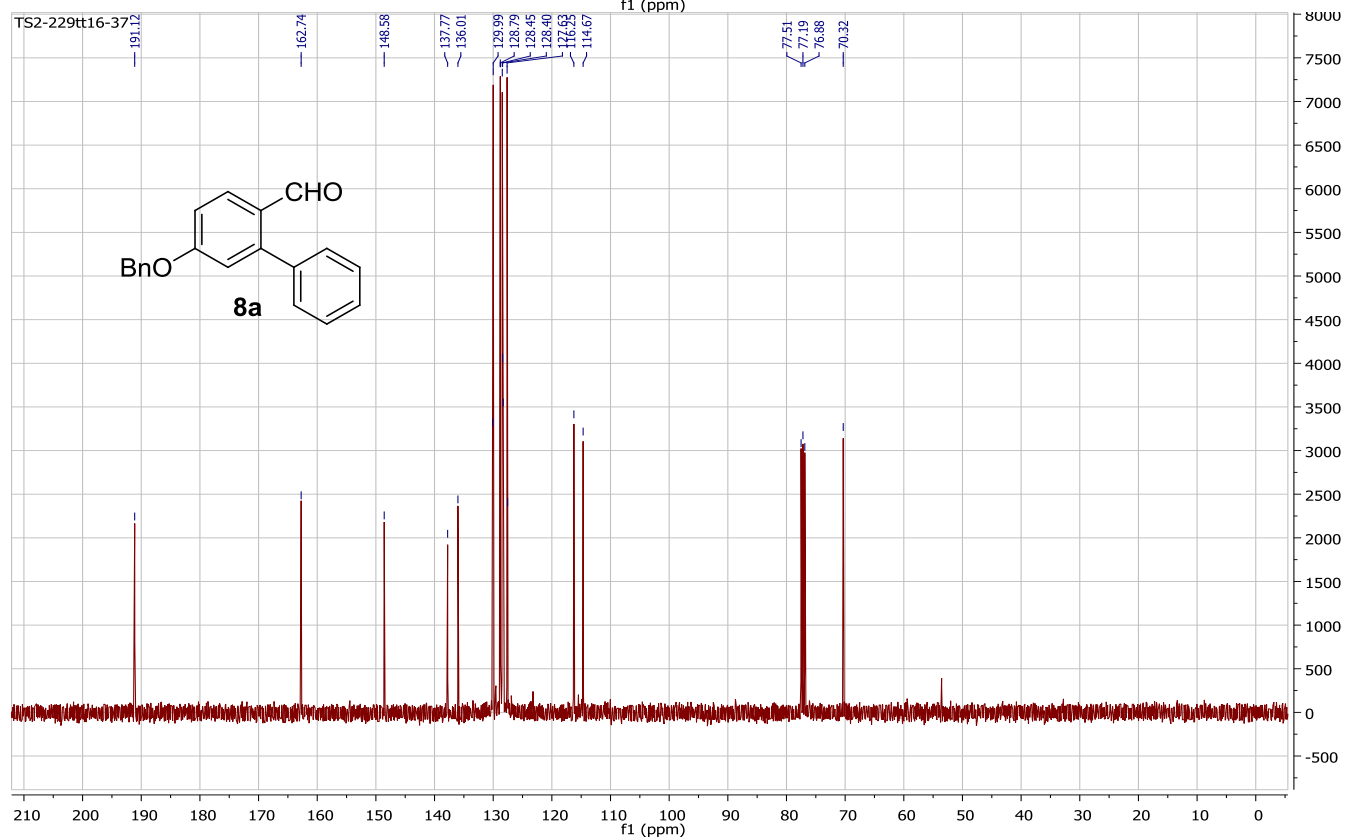
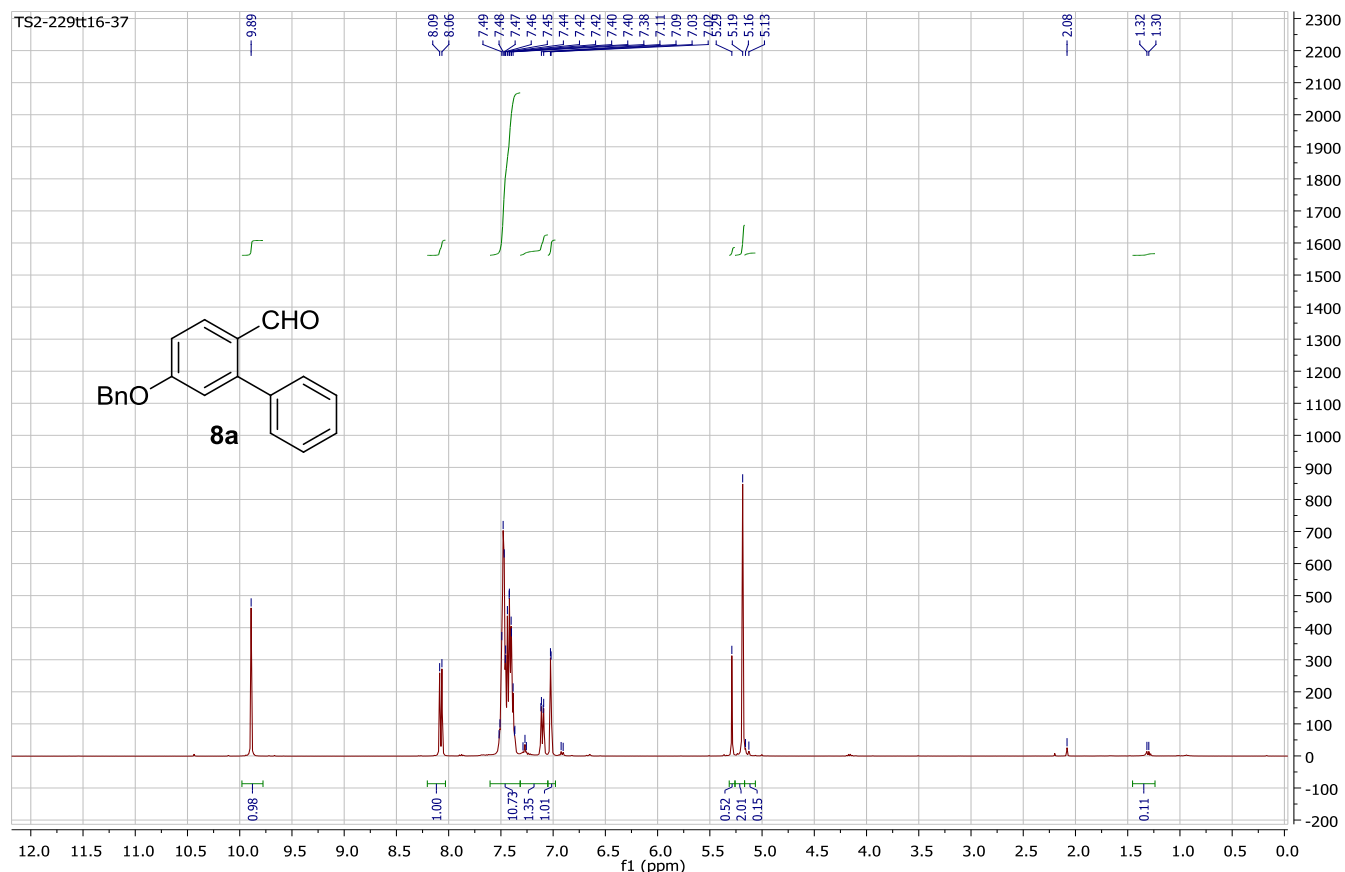
[§]Departments of Medicinal Chemistry and [#] Pharmacology and Toxicology

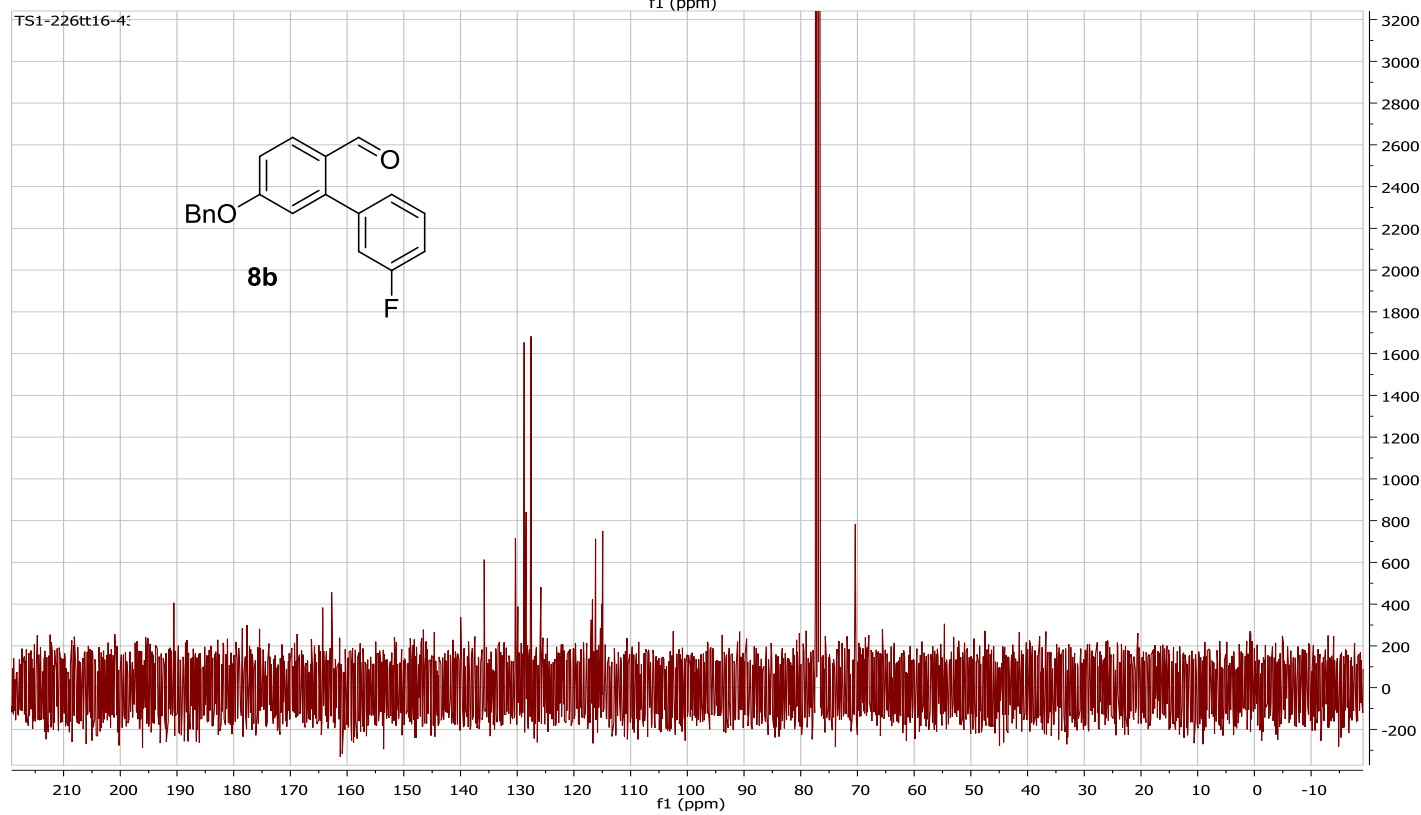
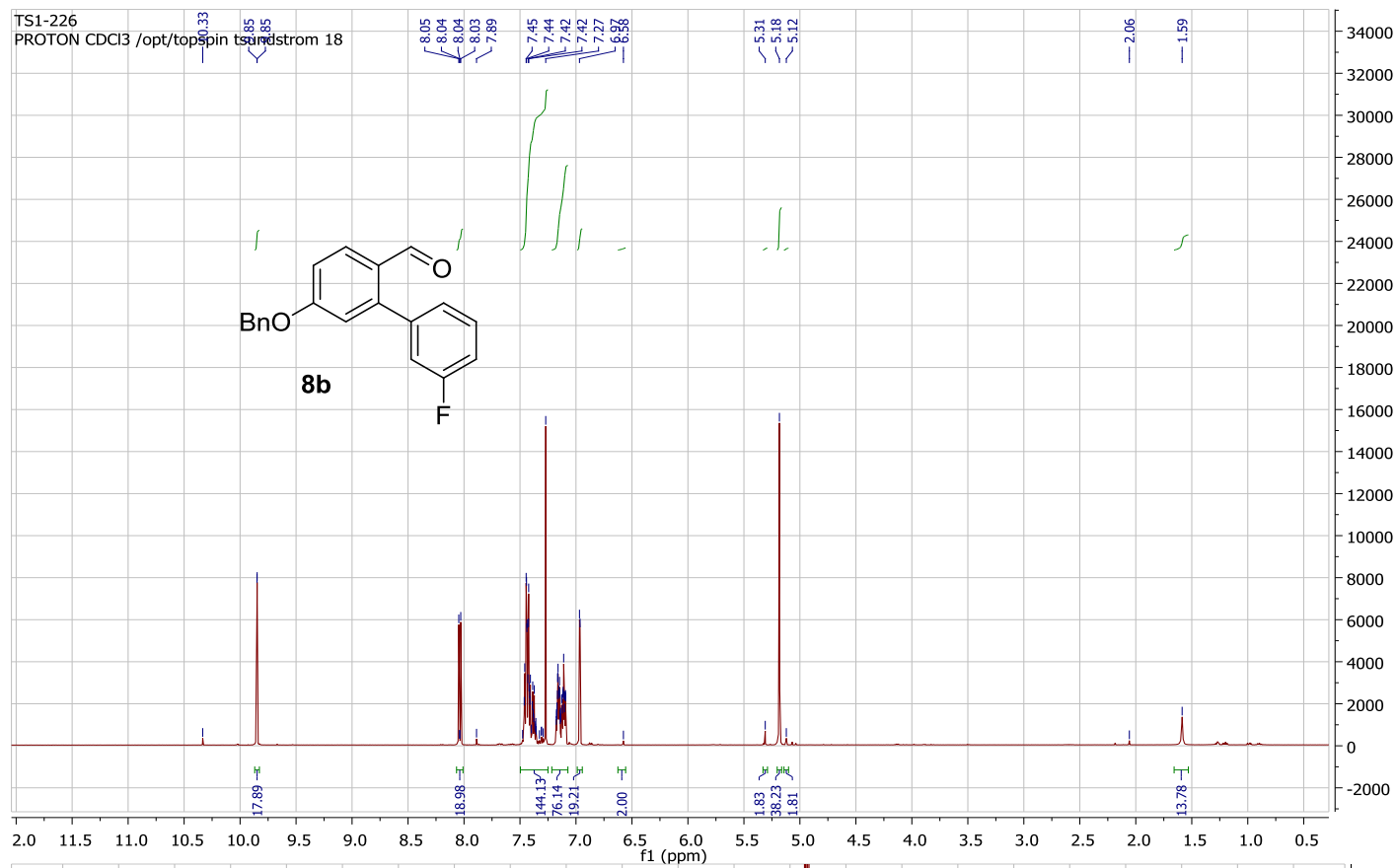
The University of Kansas, Lawrence, KS 66045

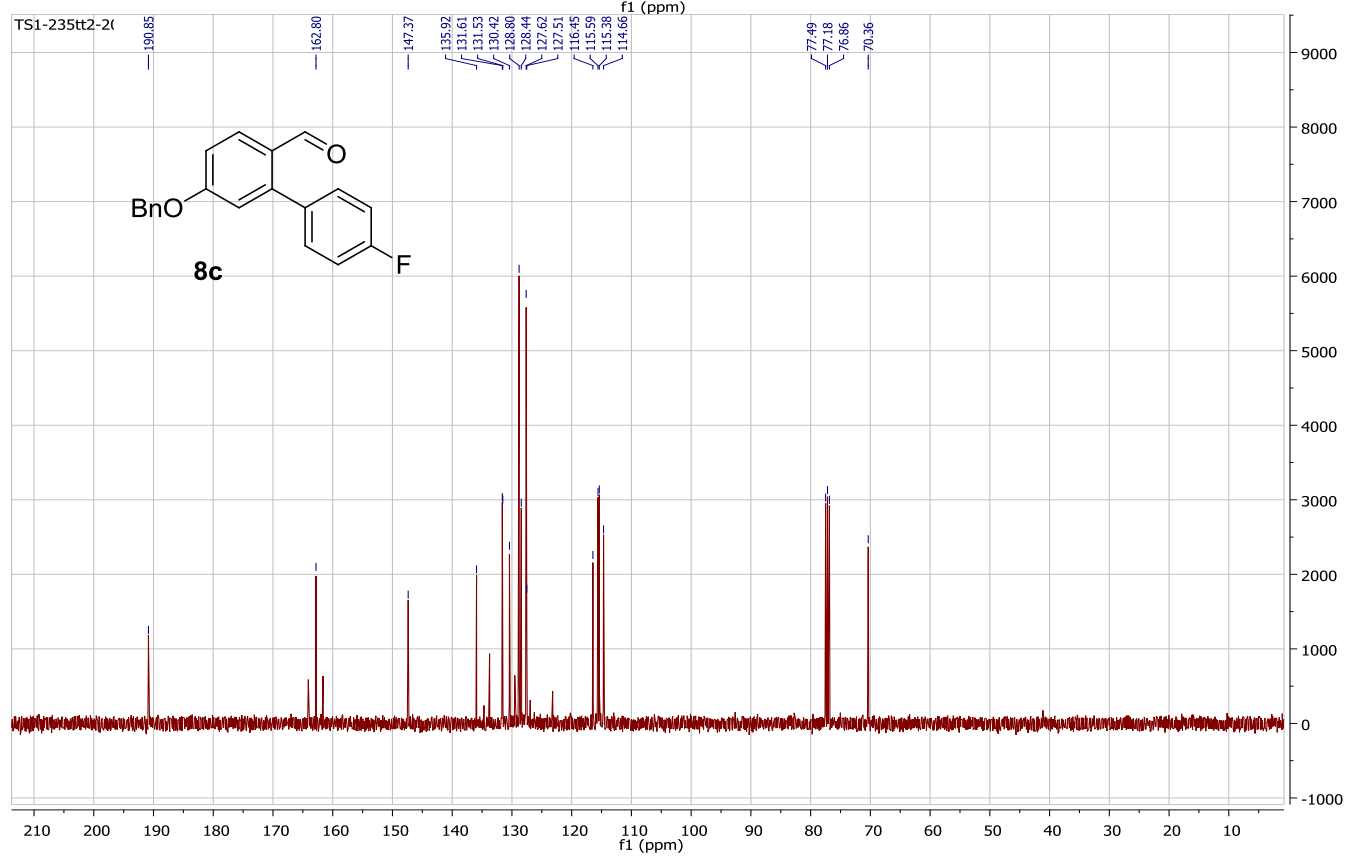
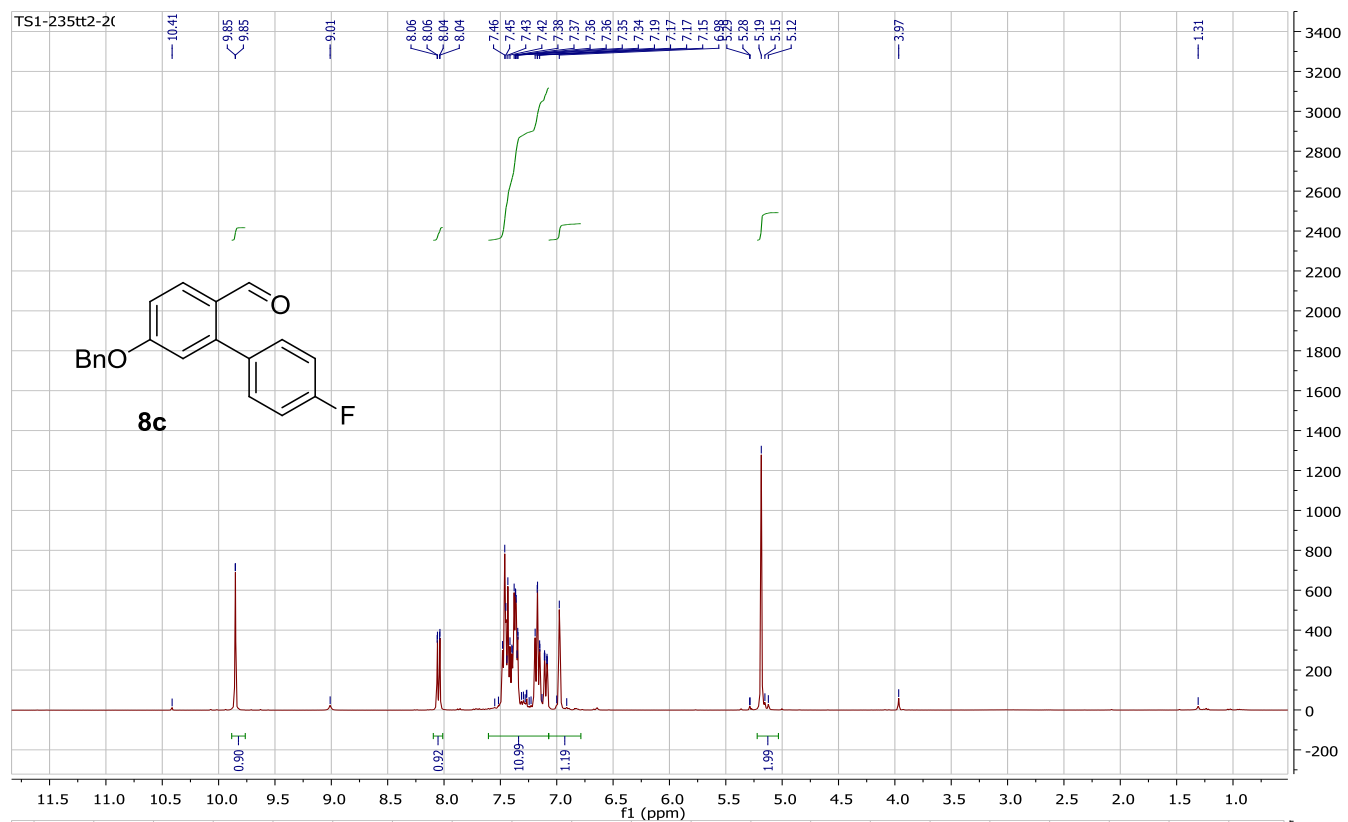
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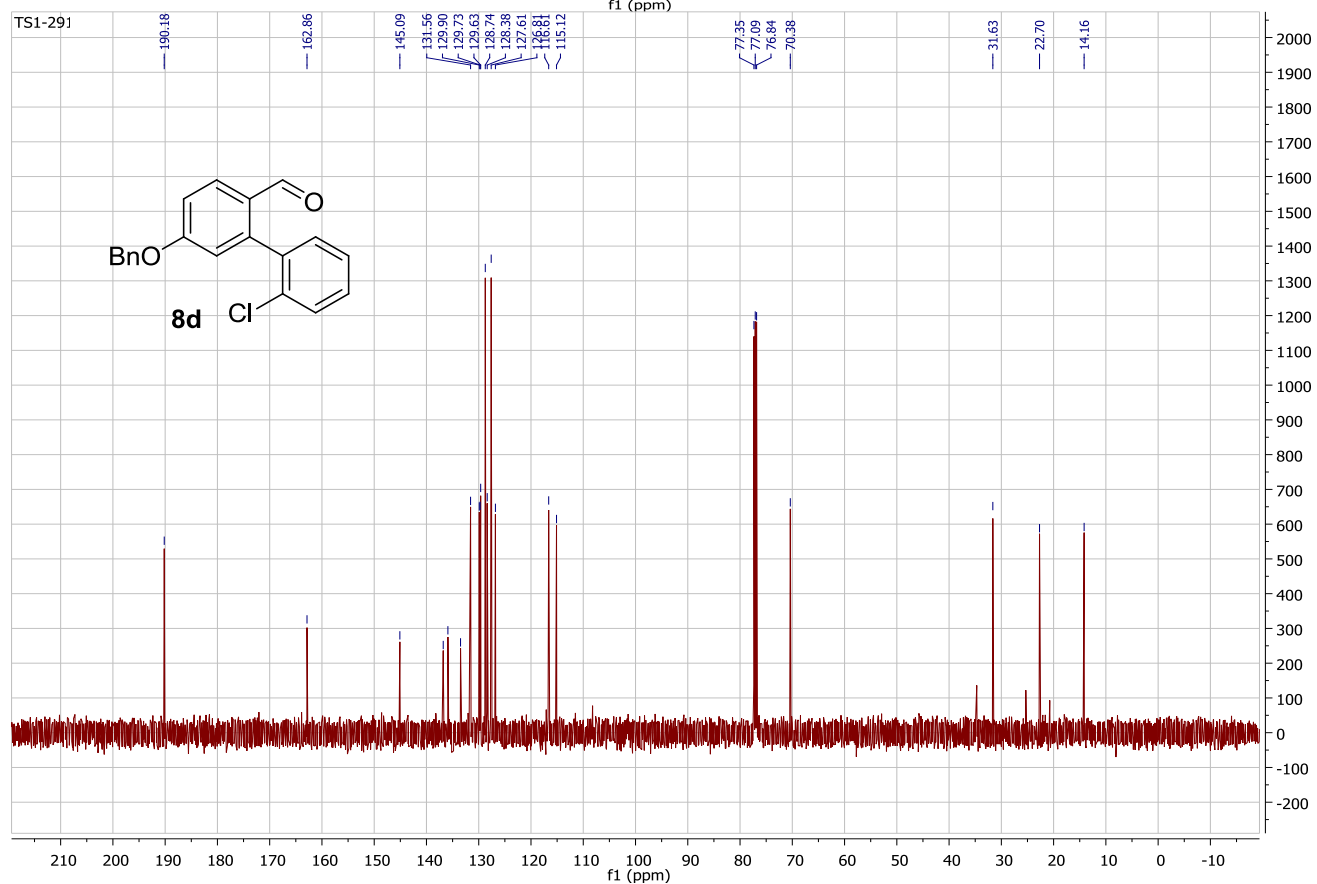
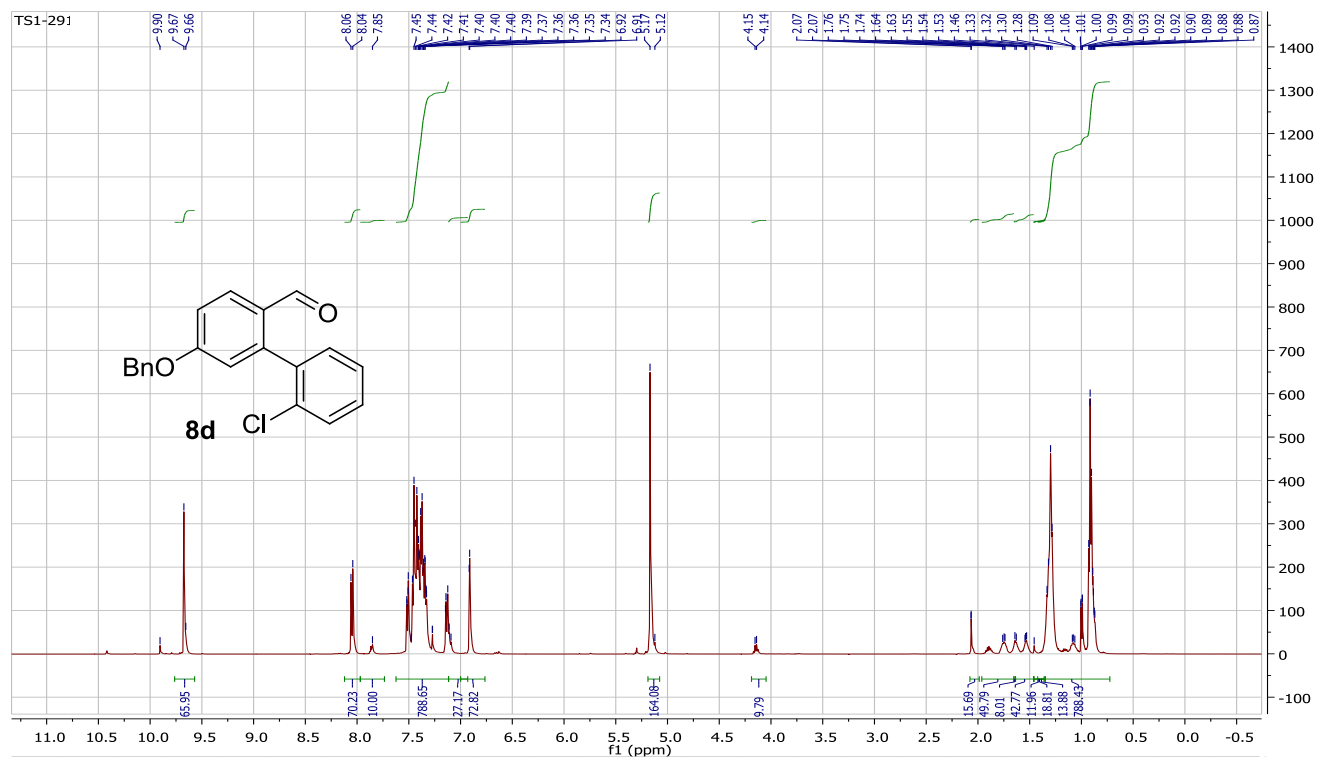
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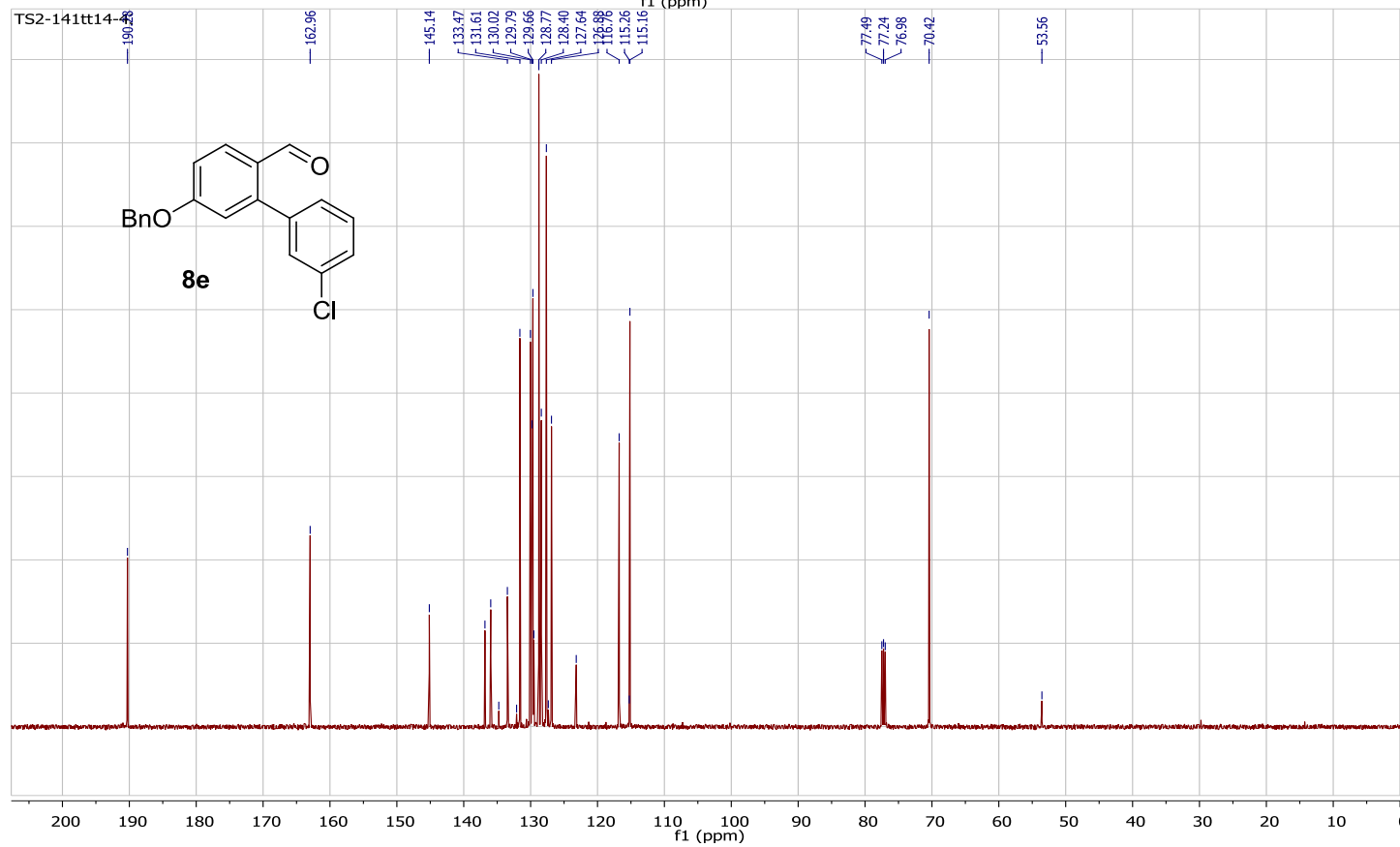
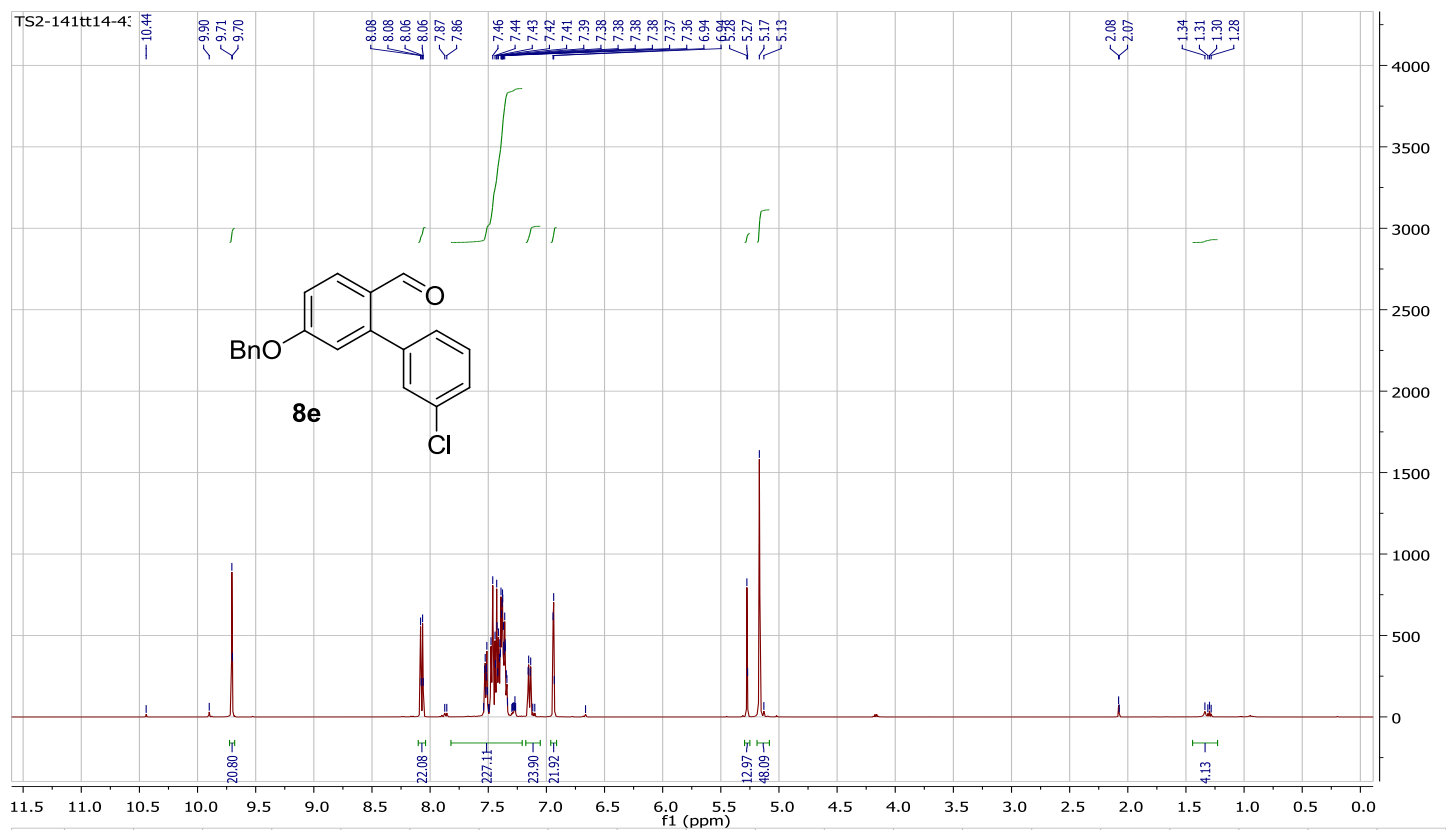
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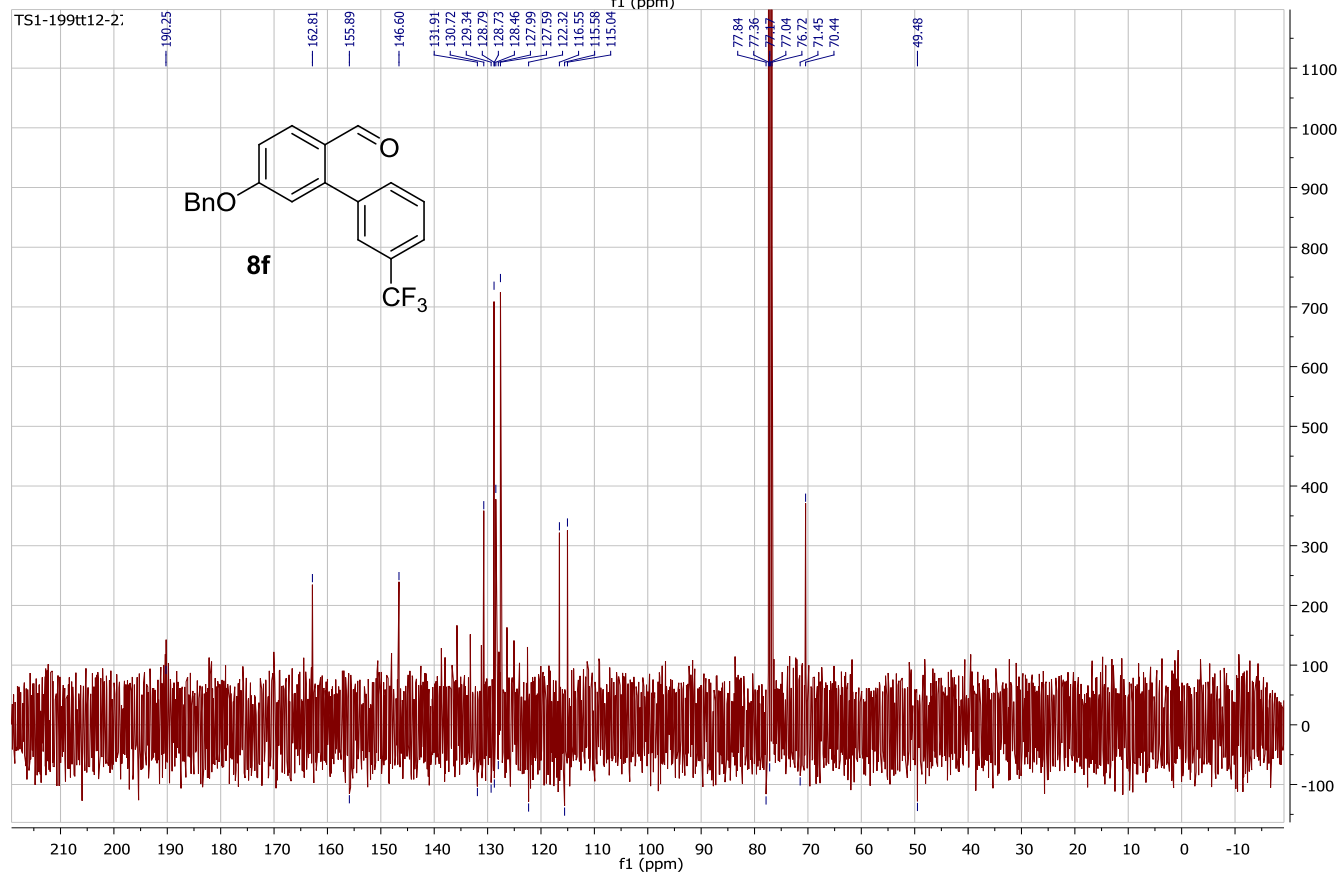
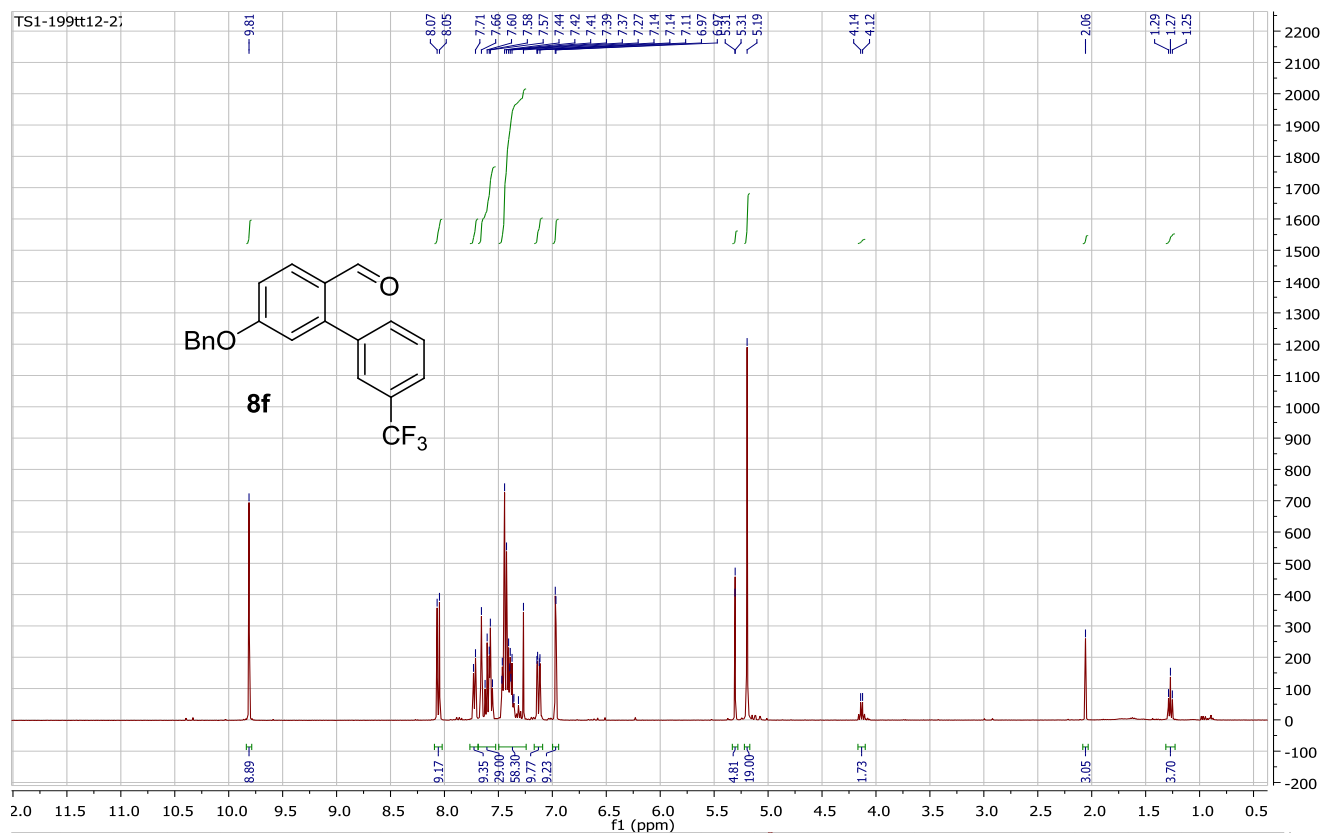


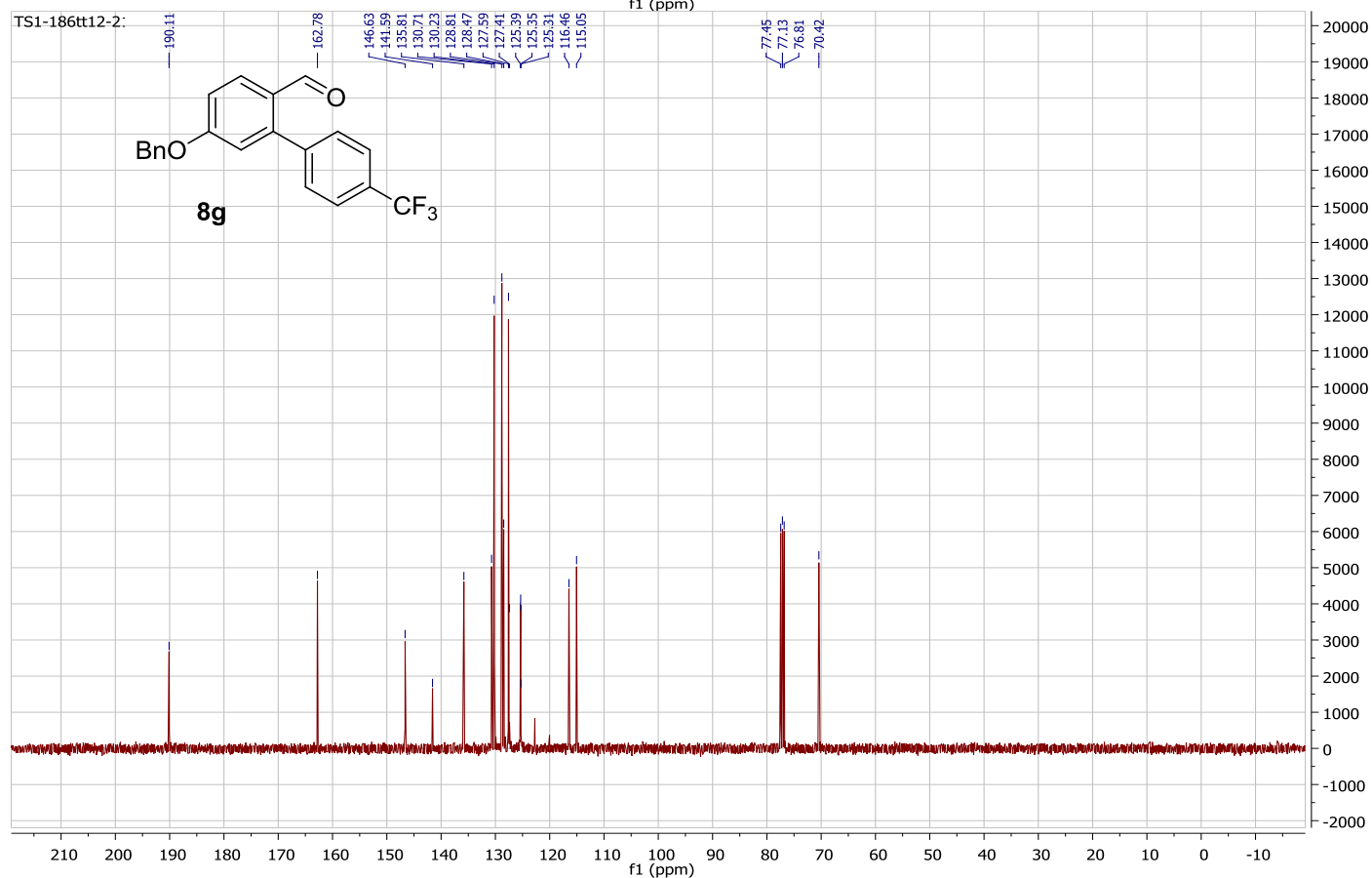
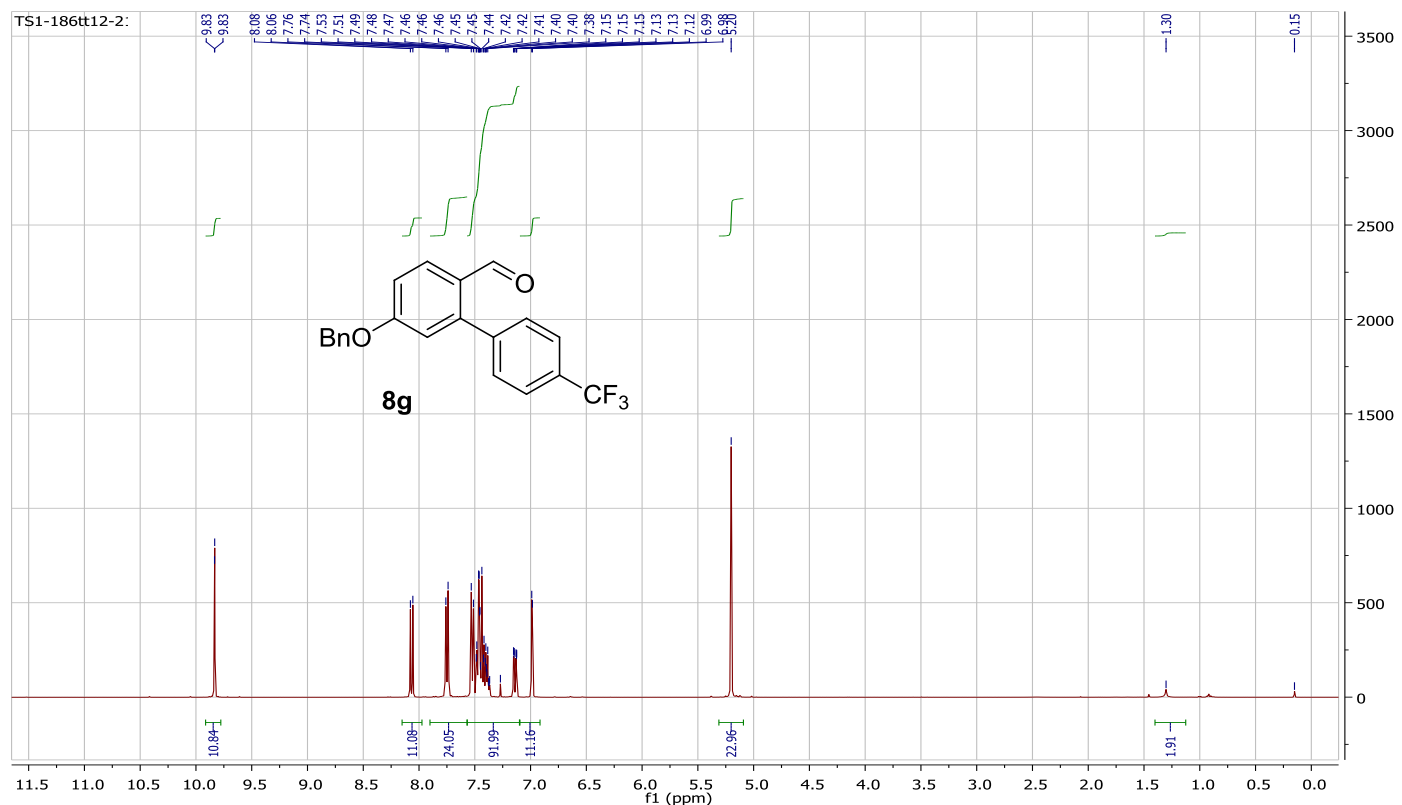


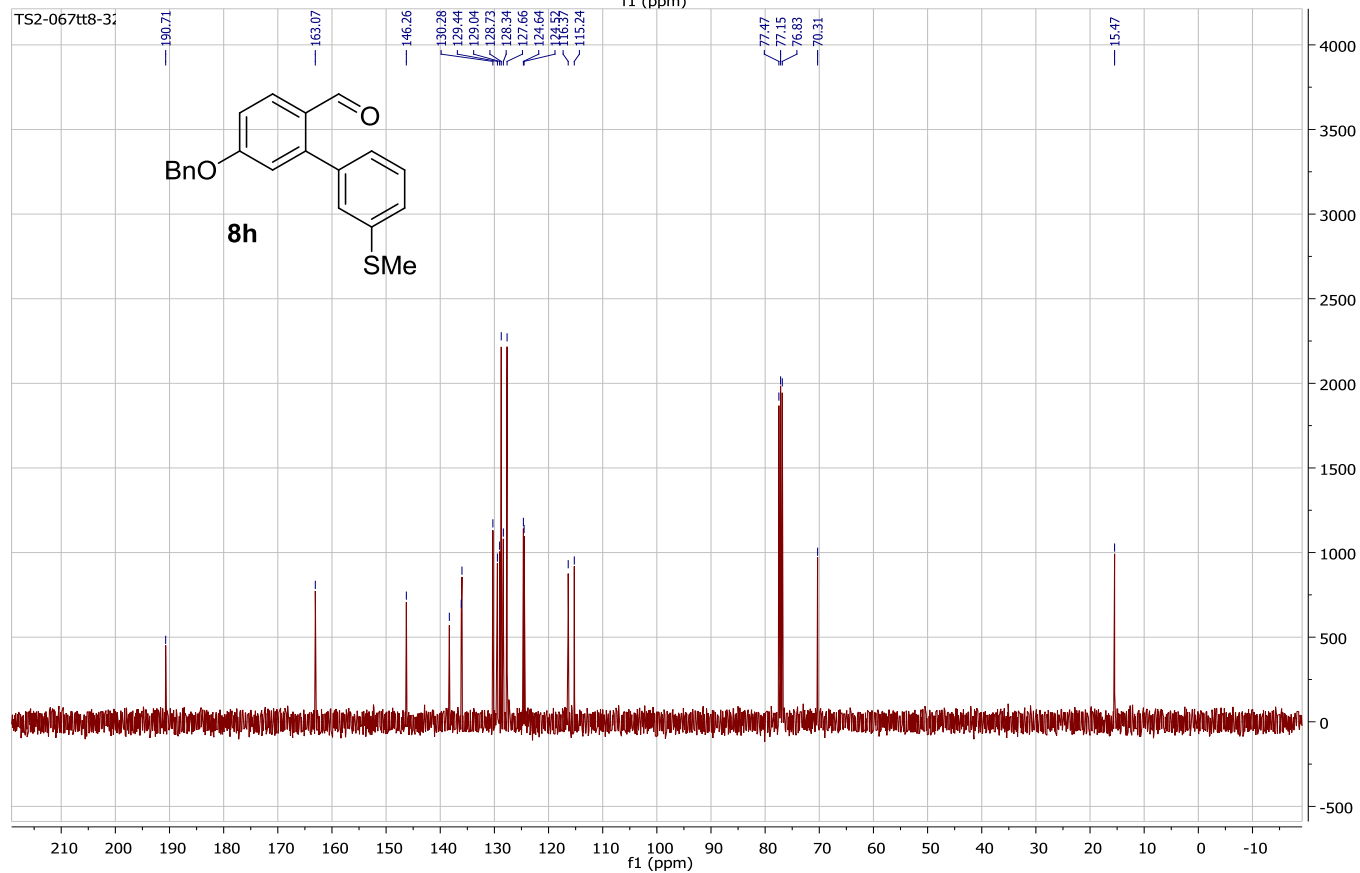
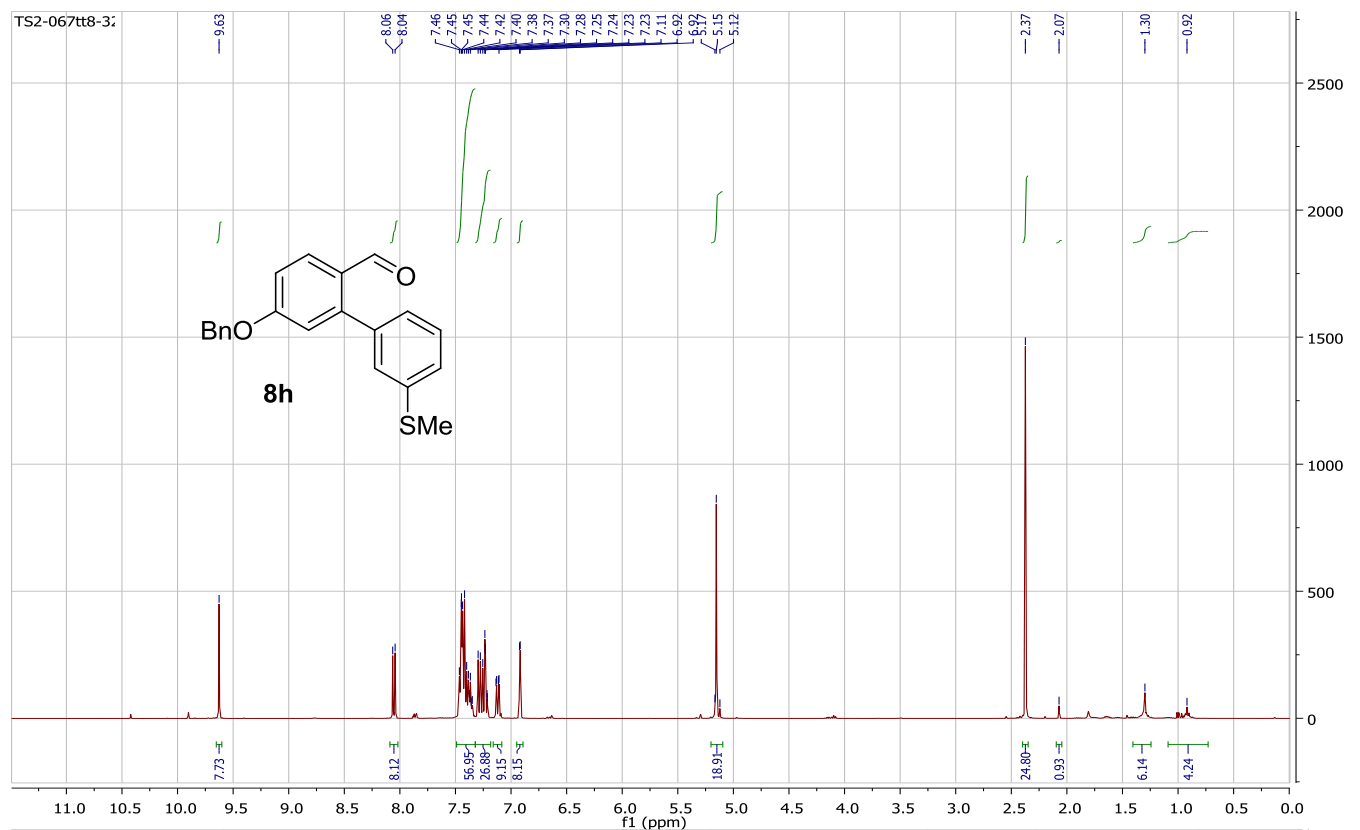


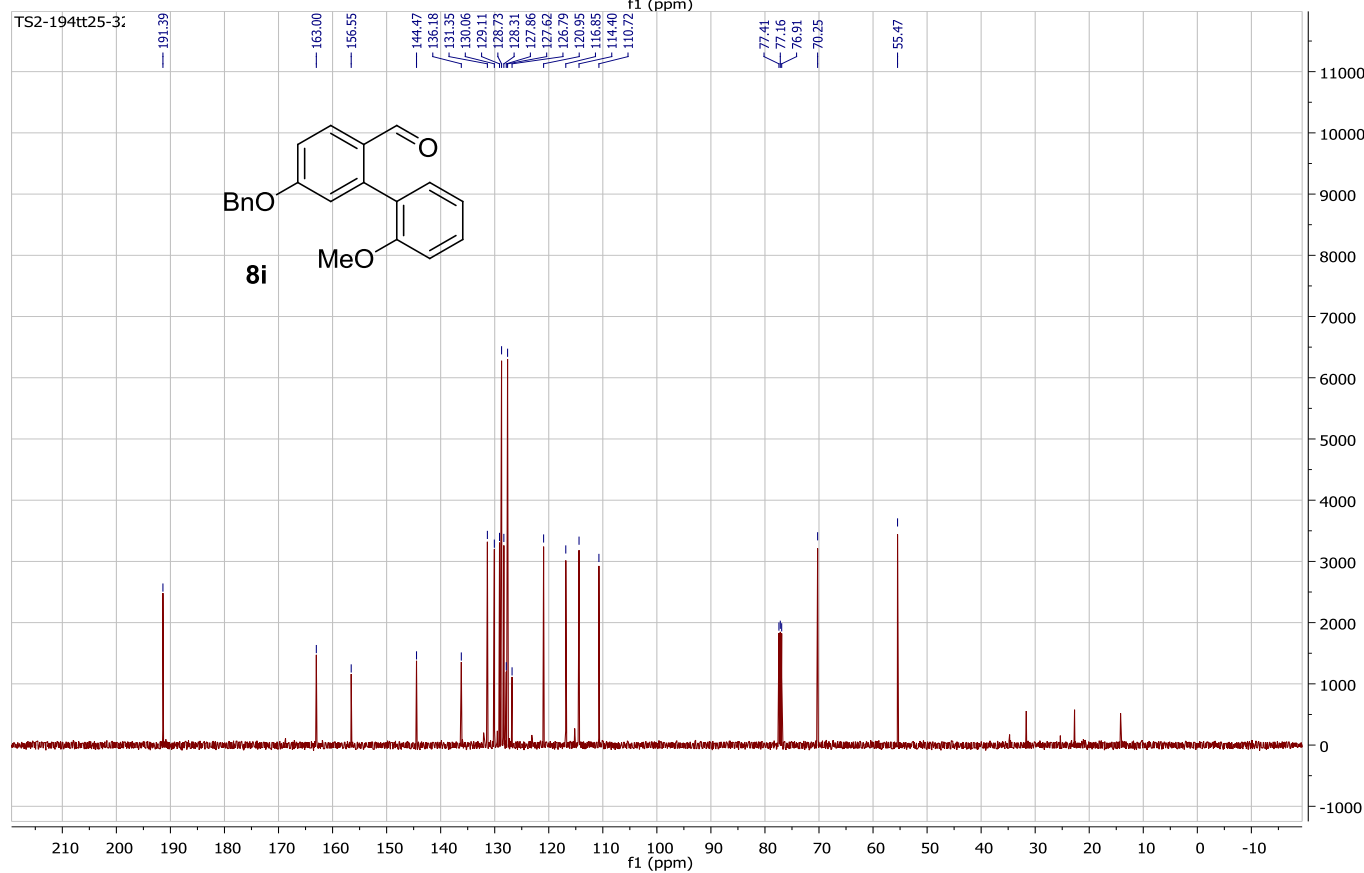
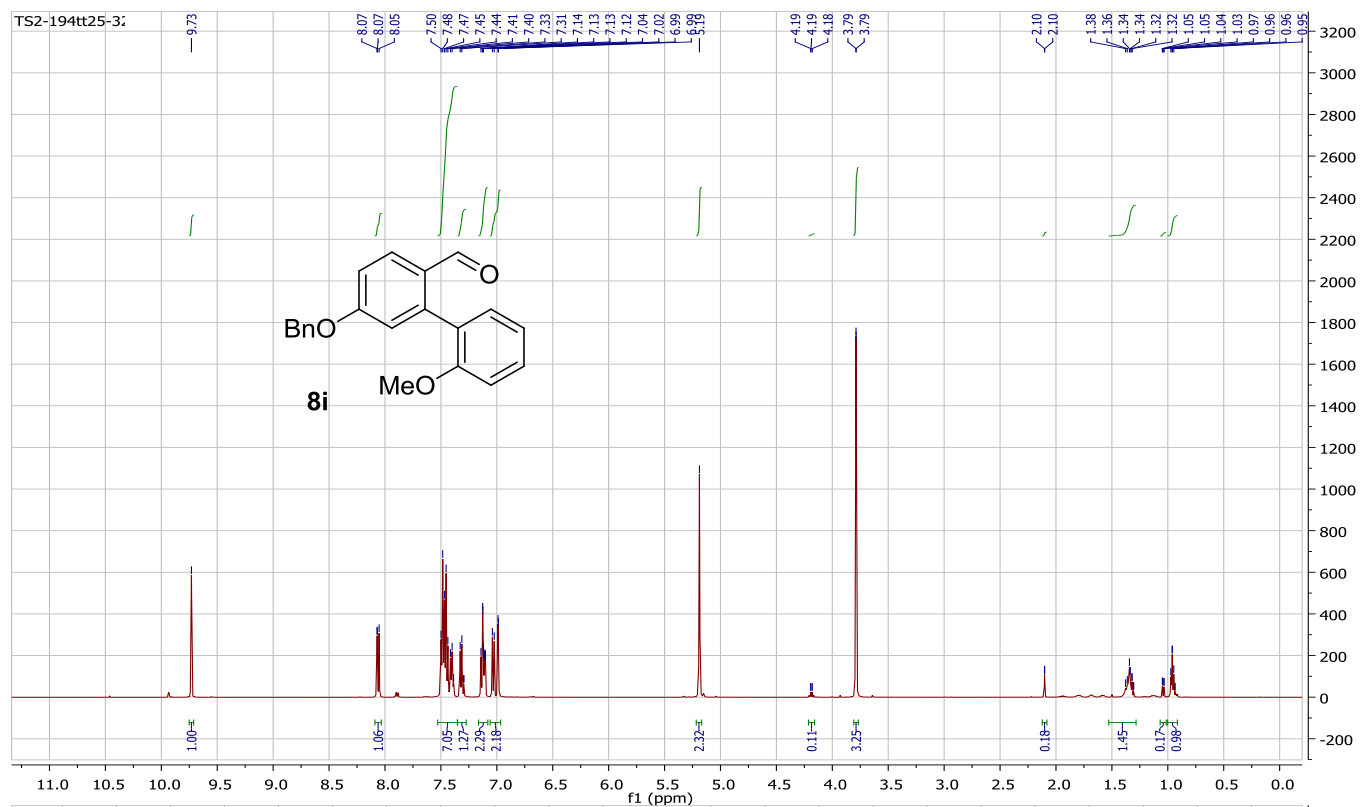


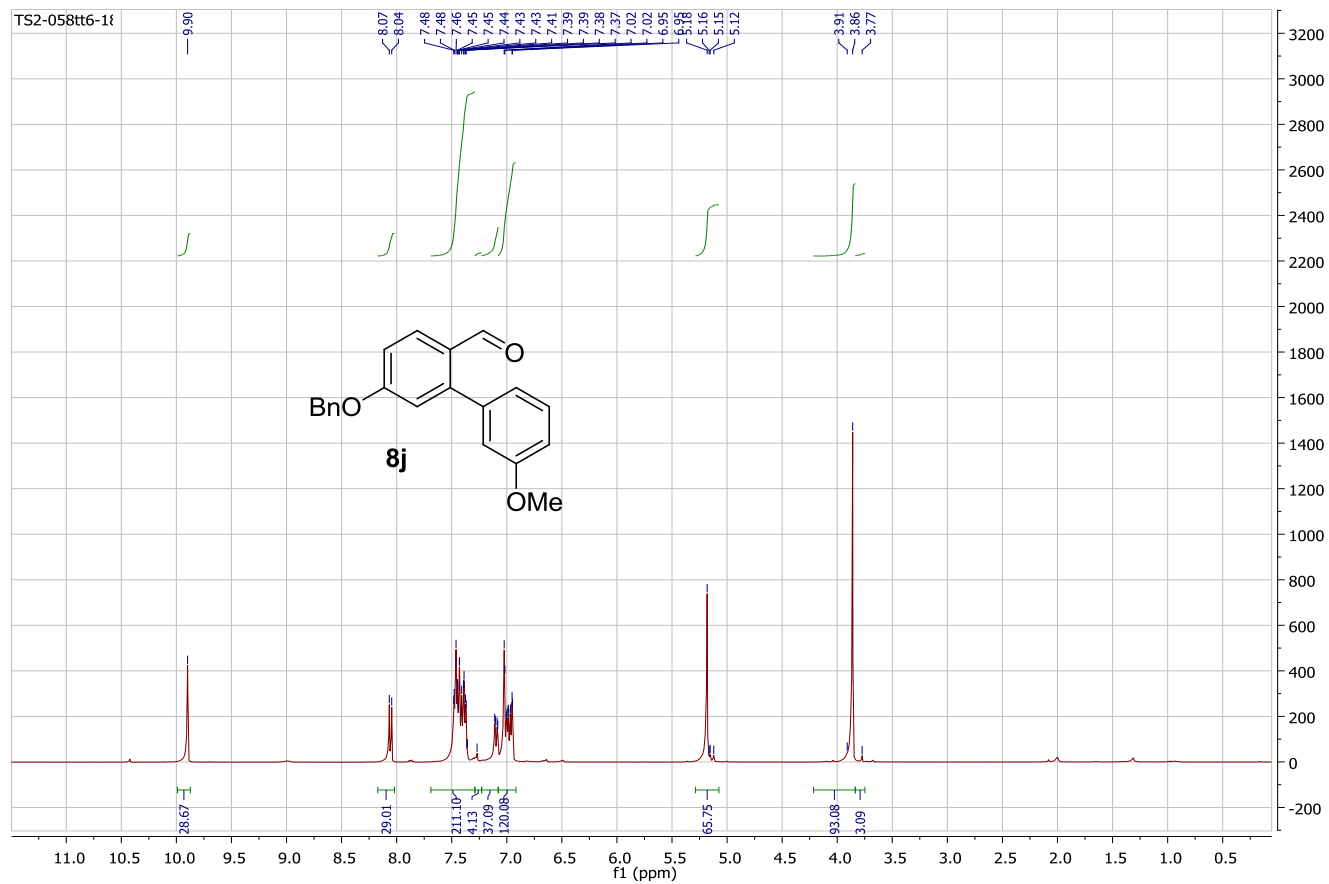


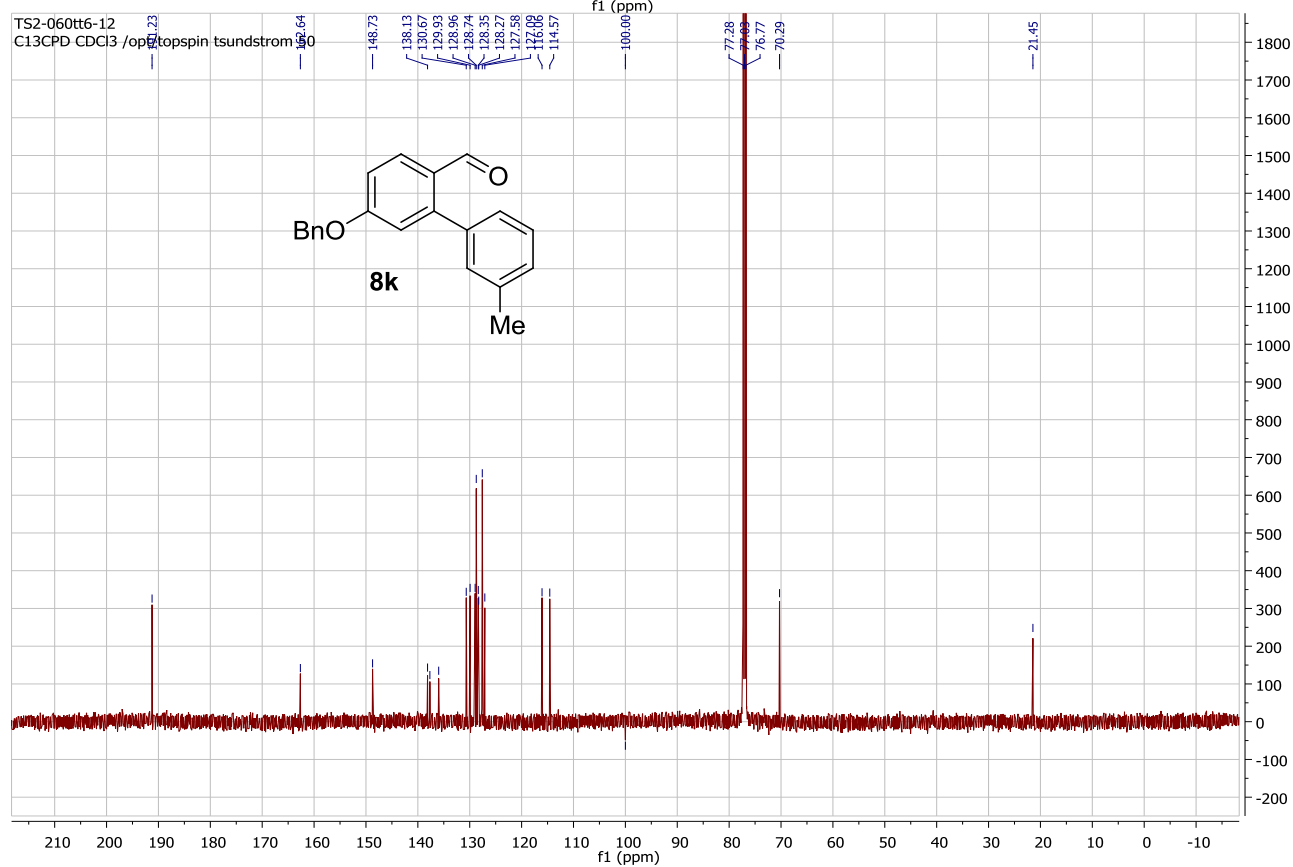
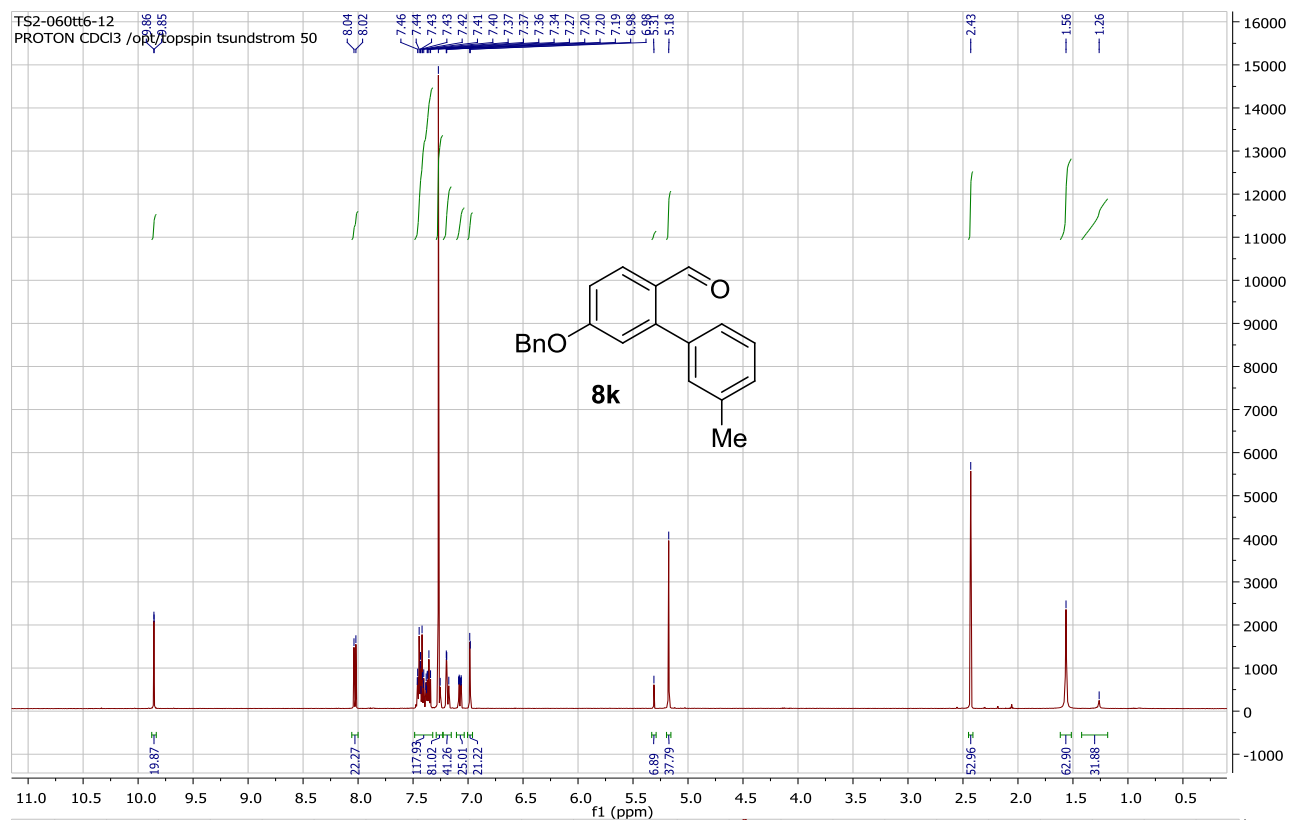


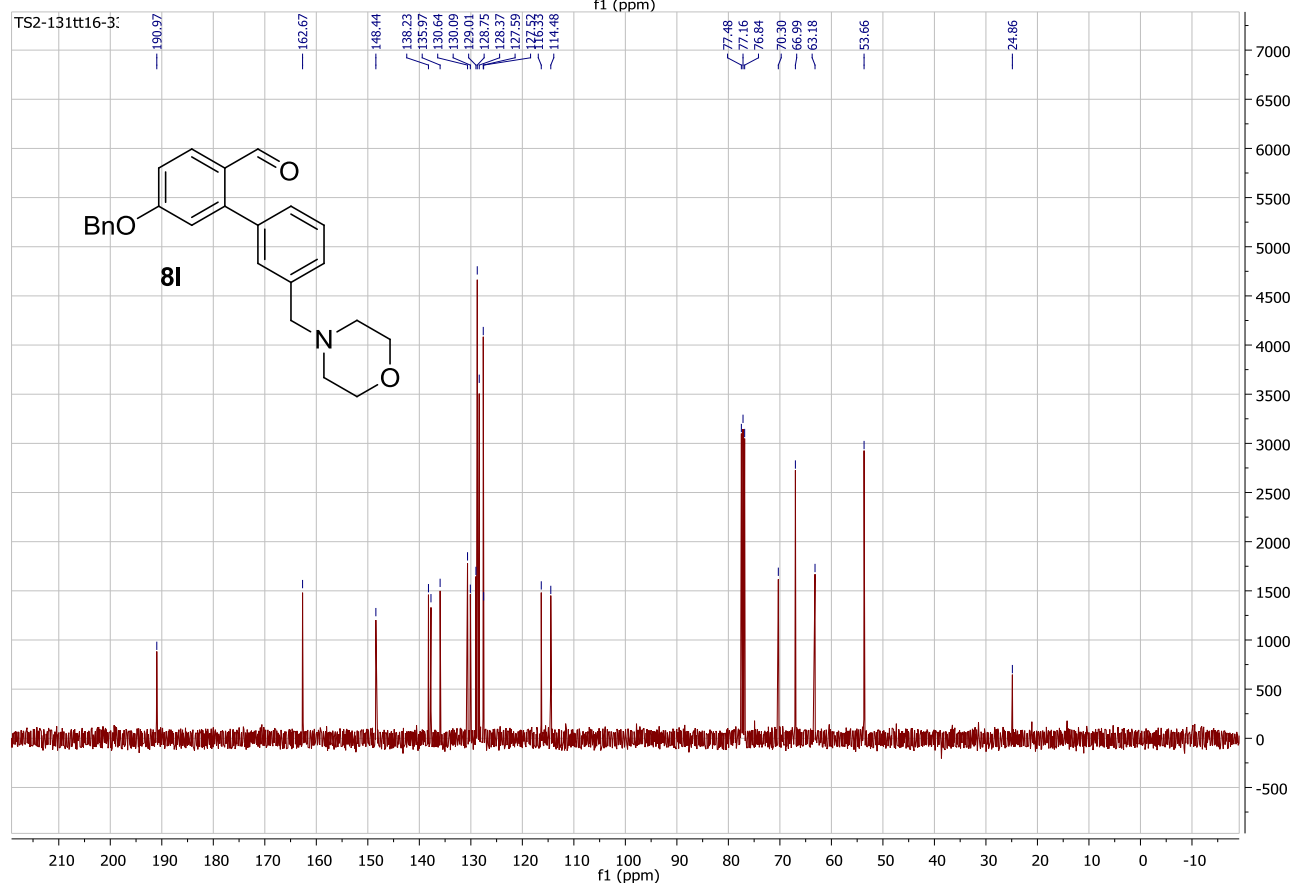
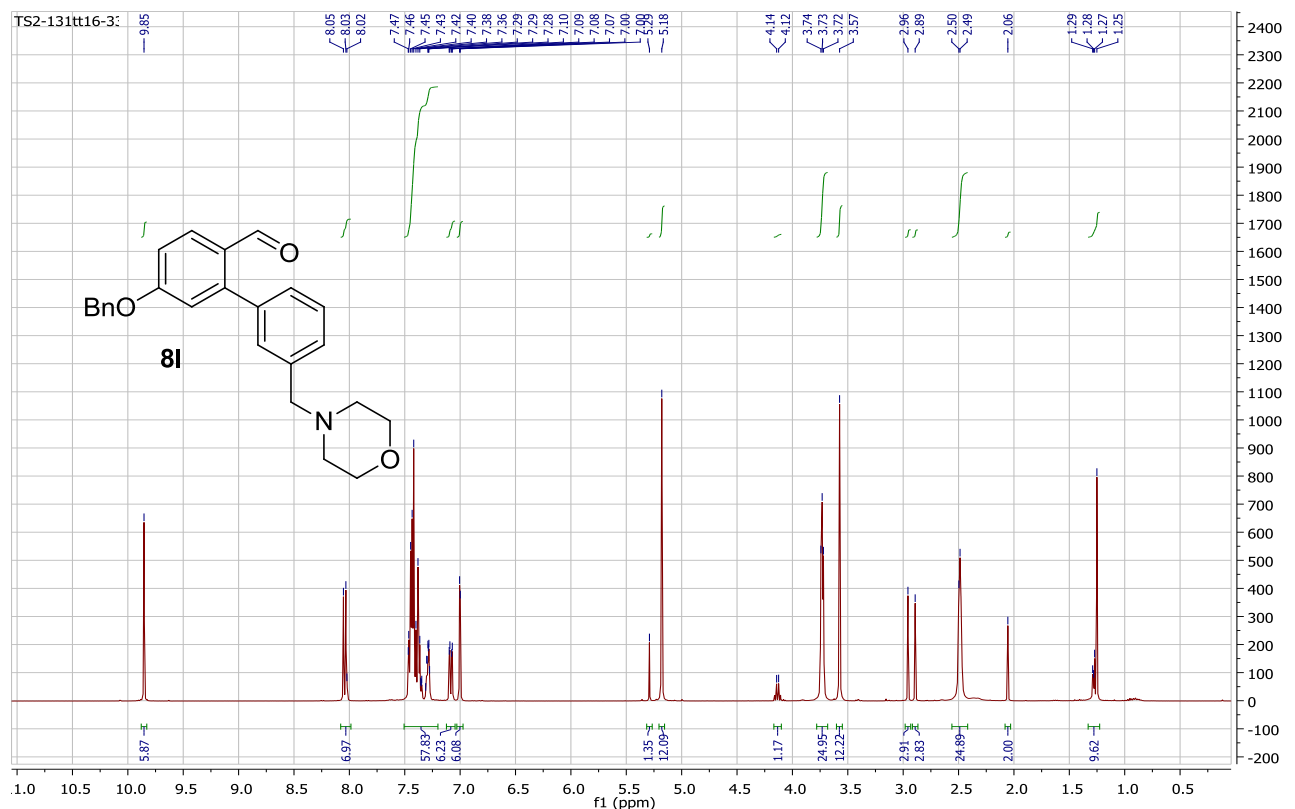


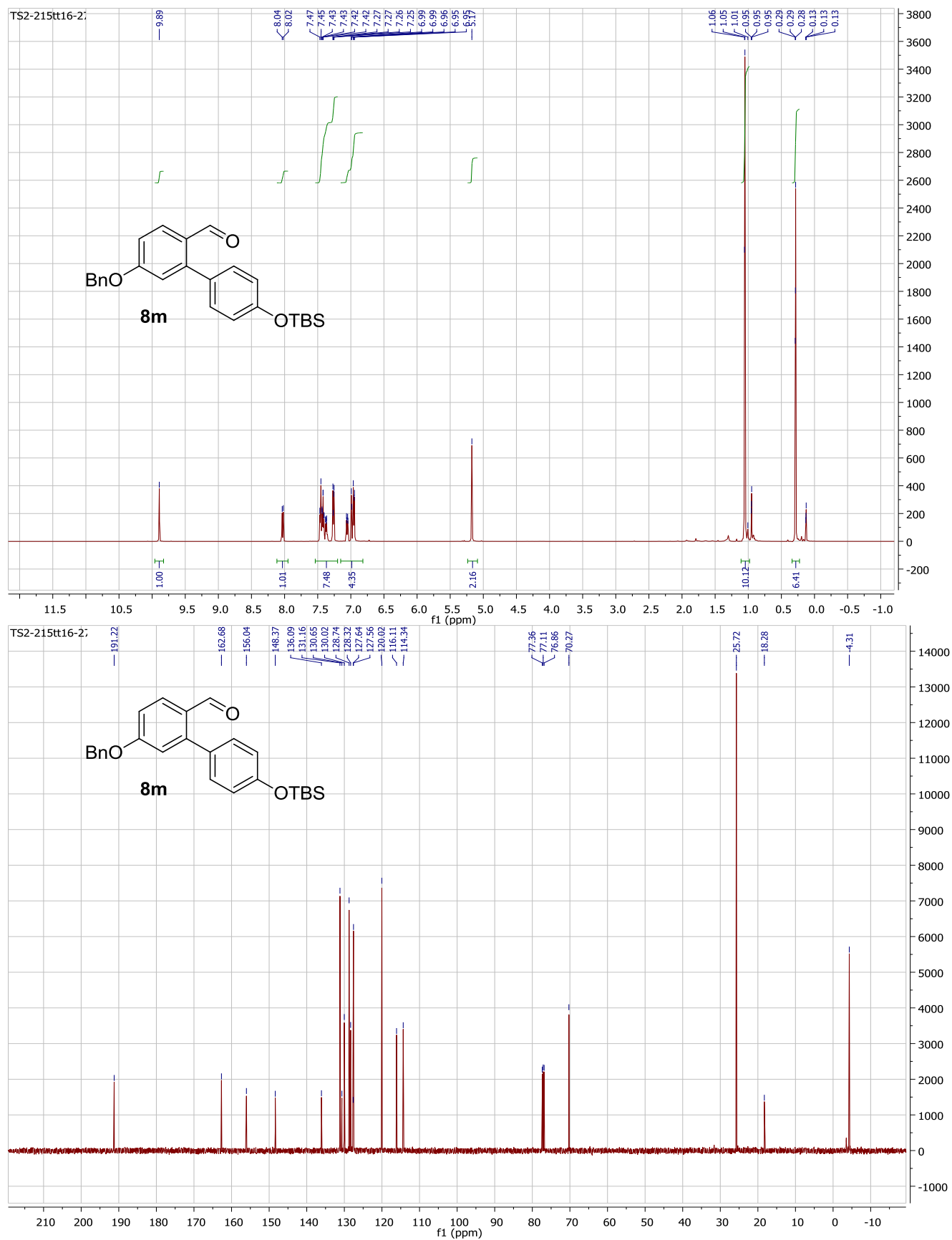


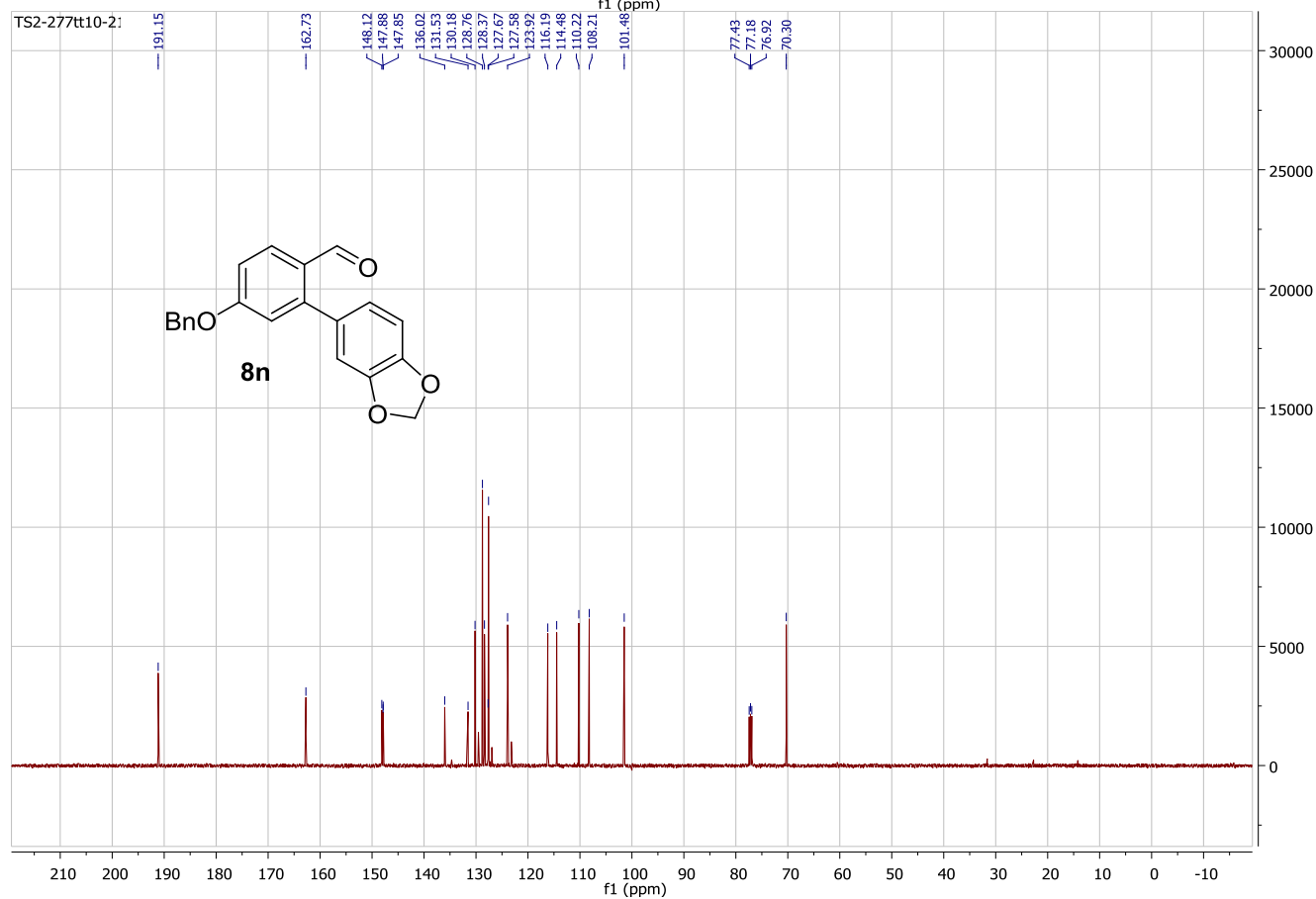
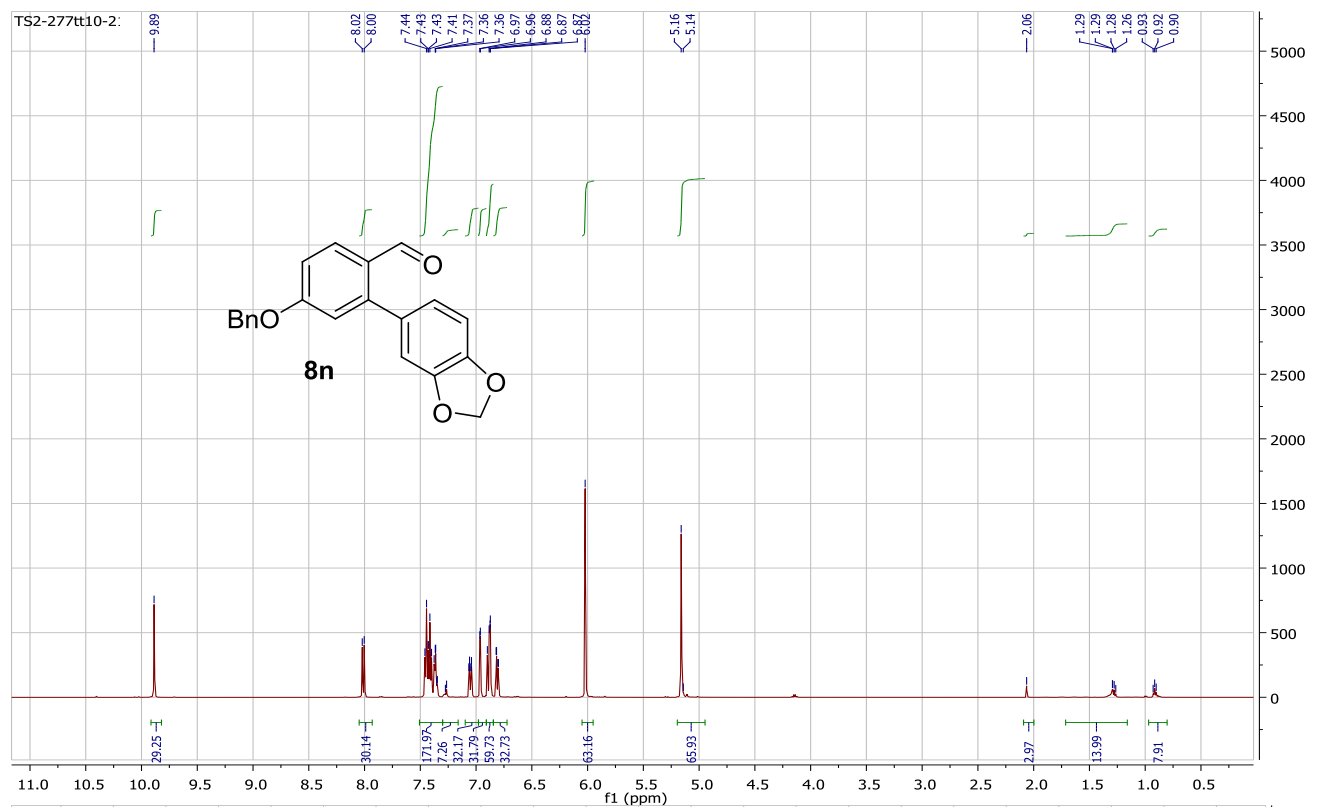


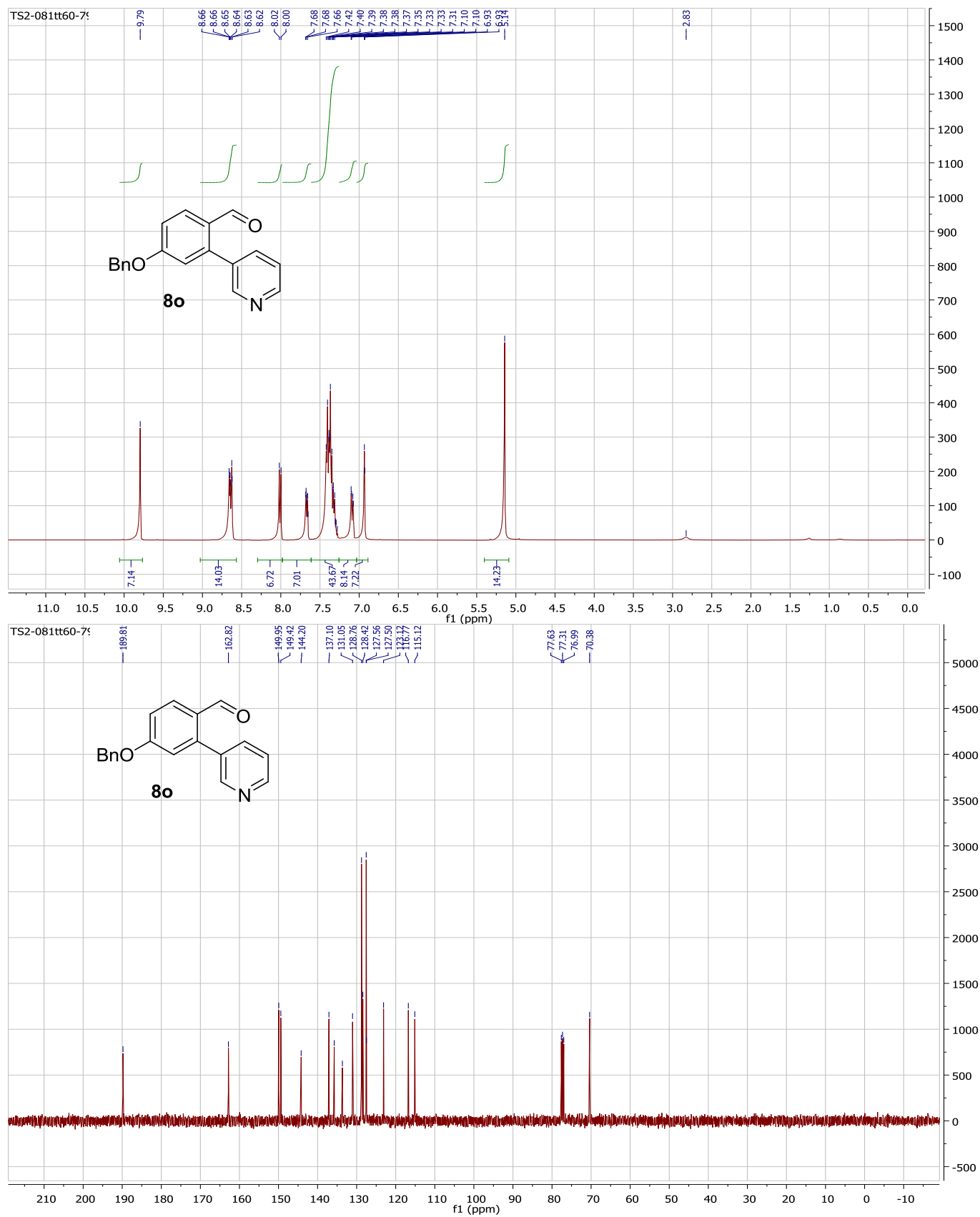


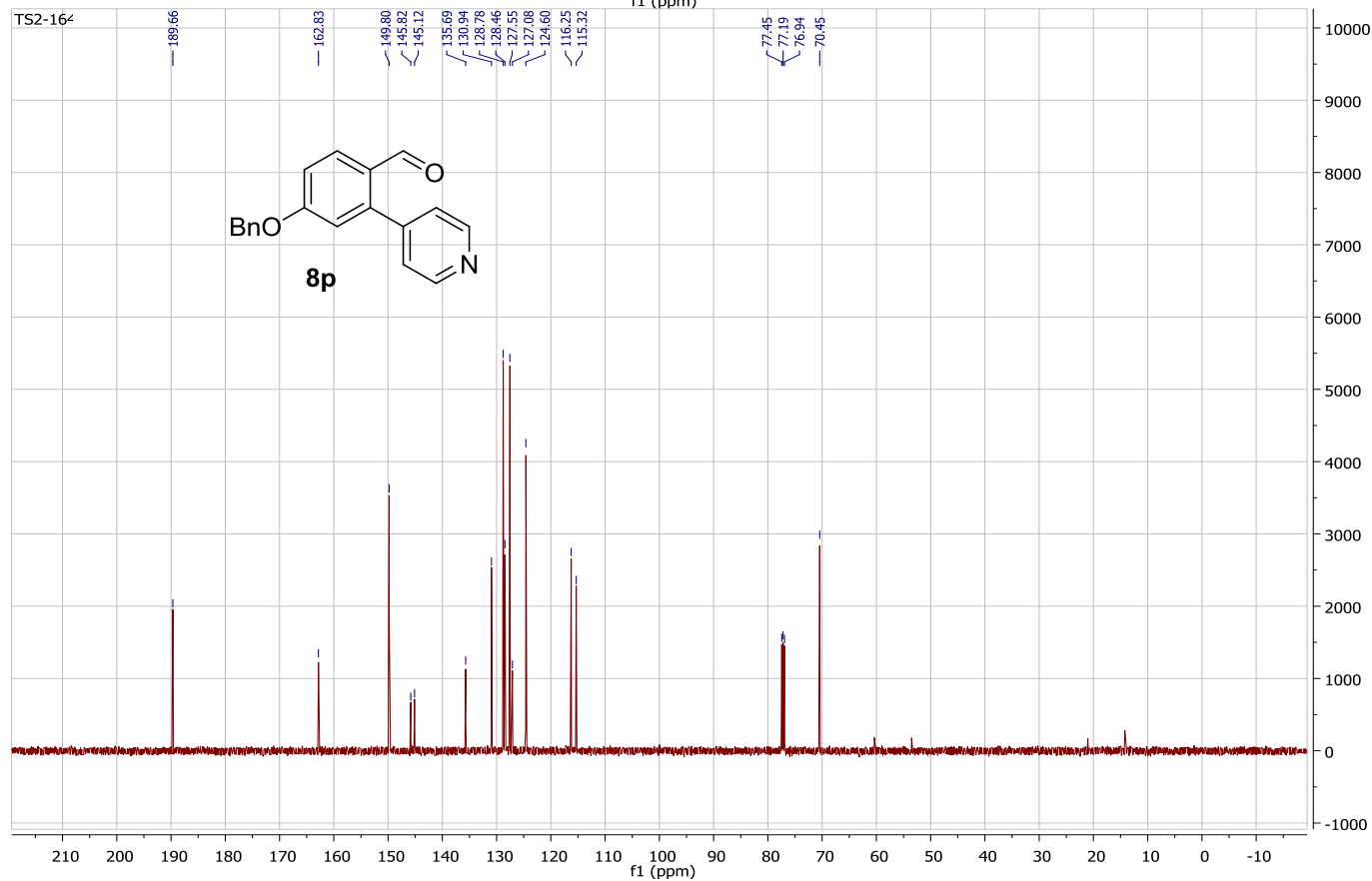
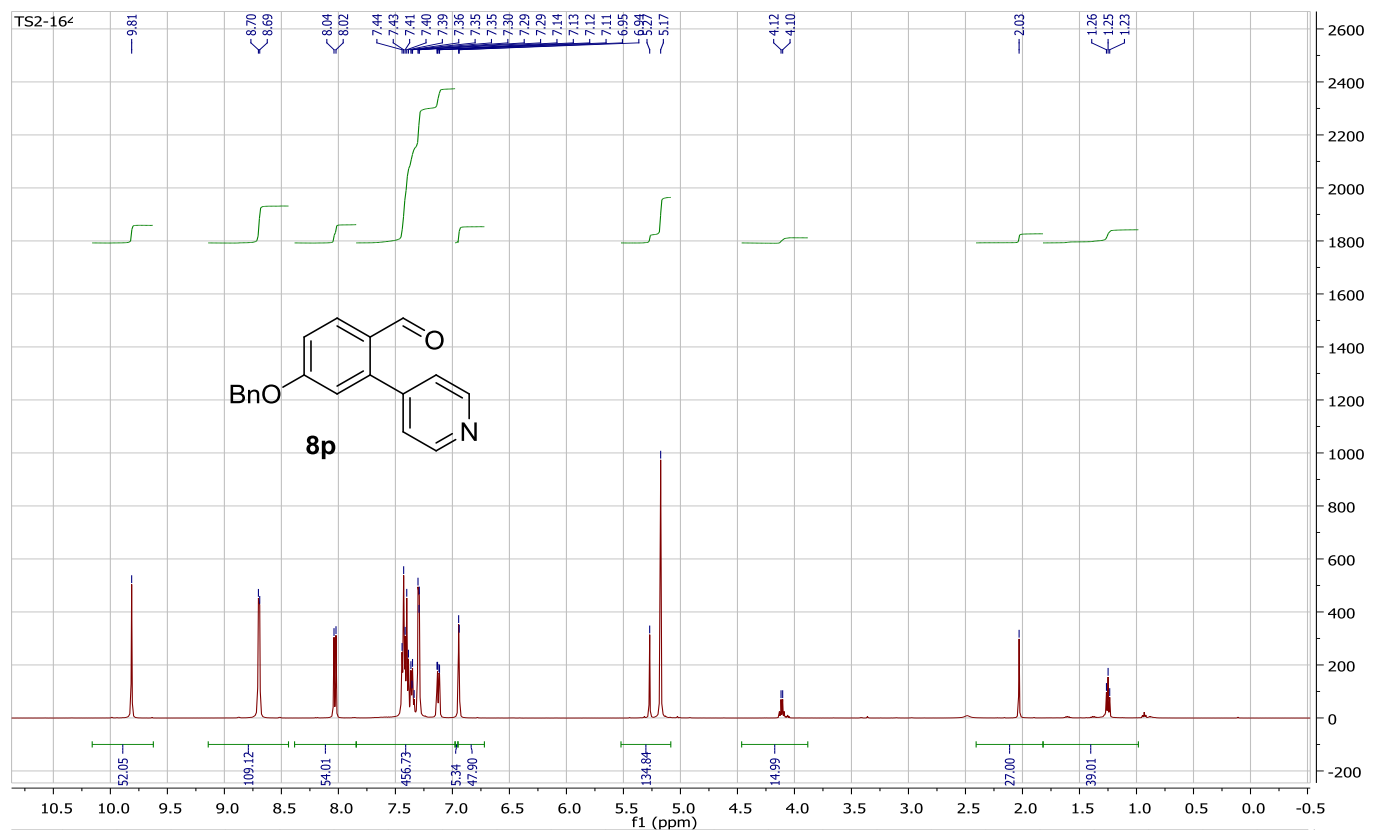


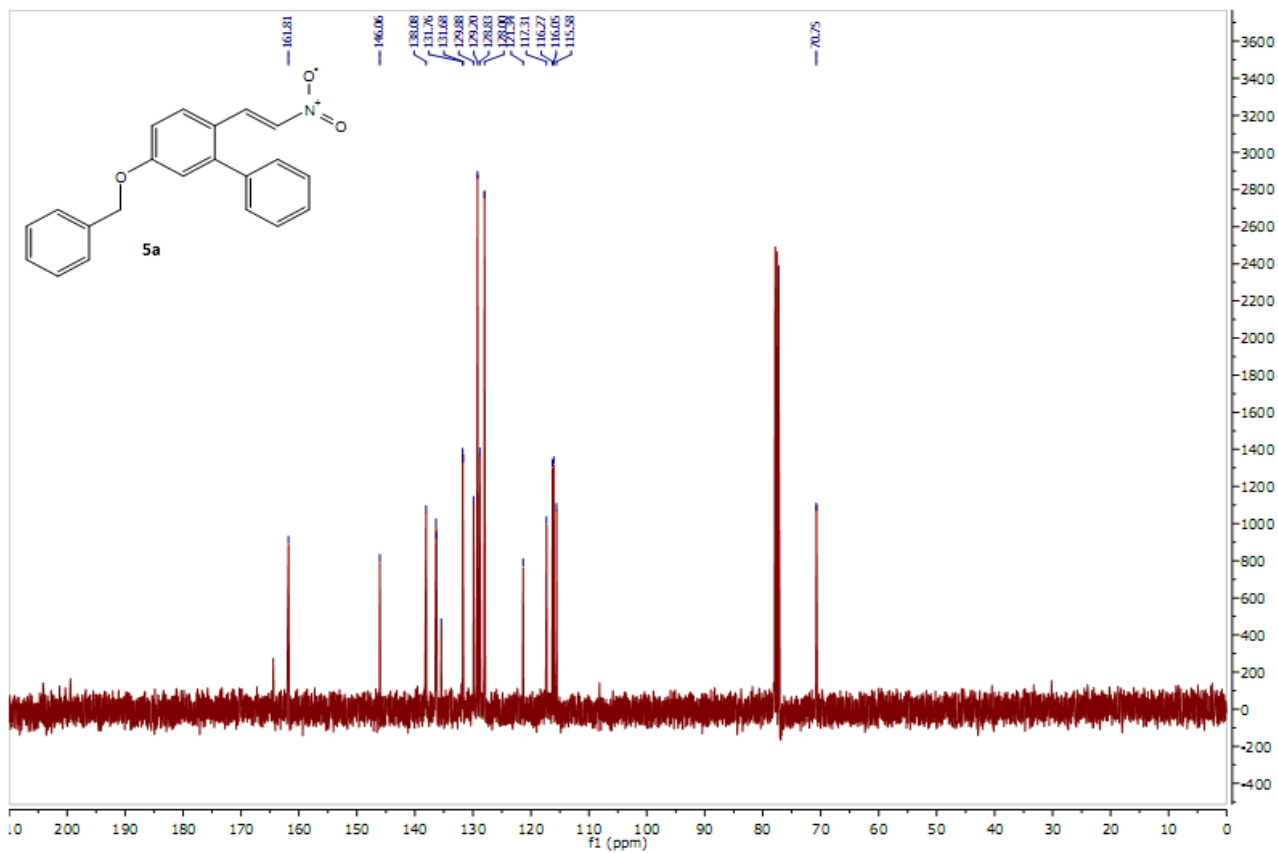
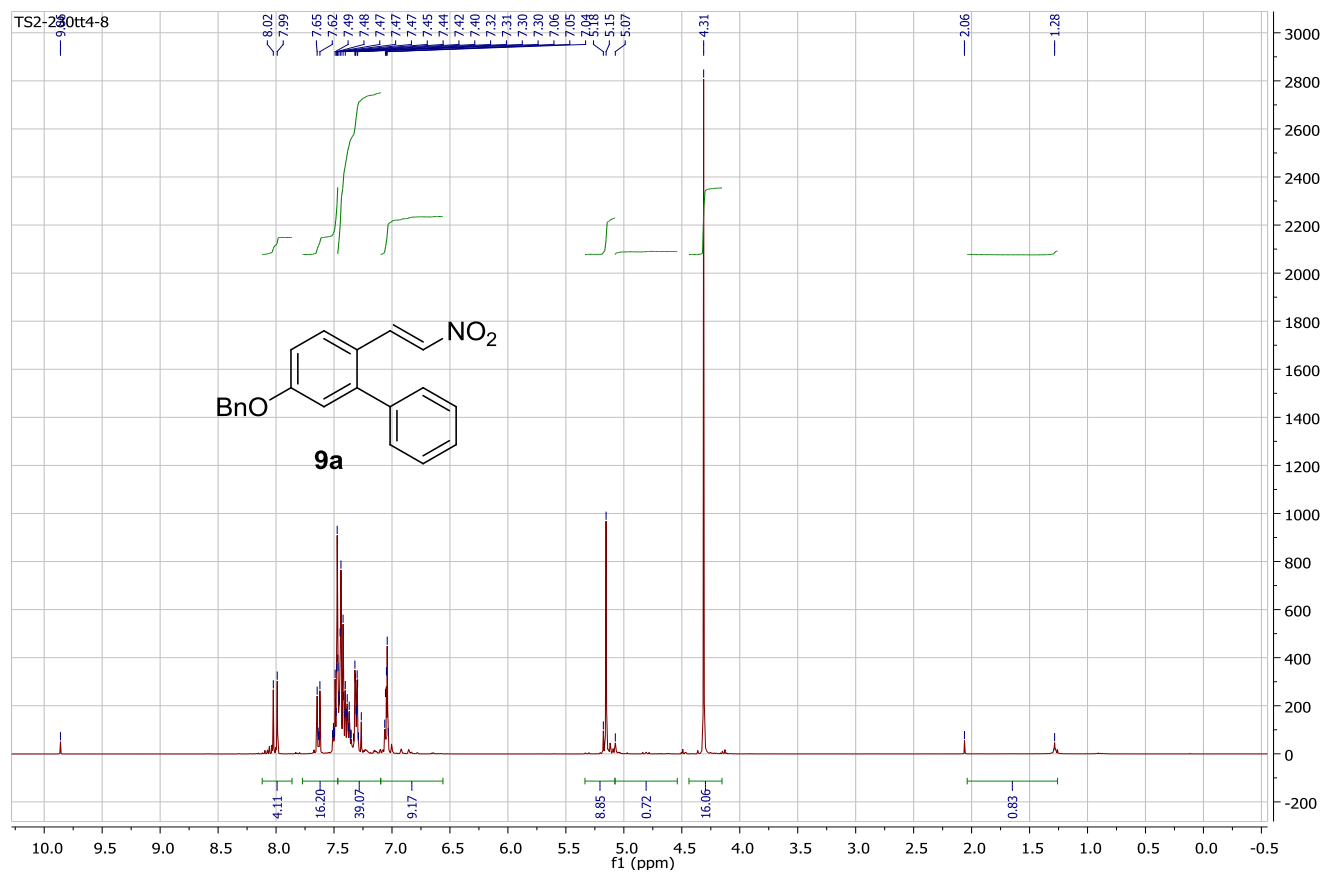


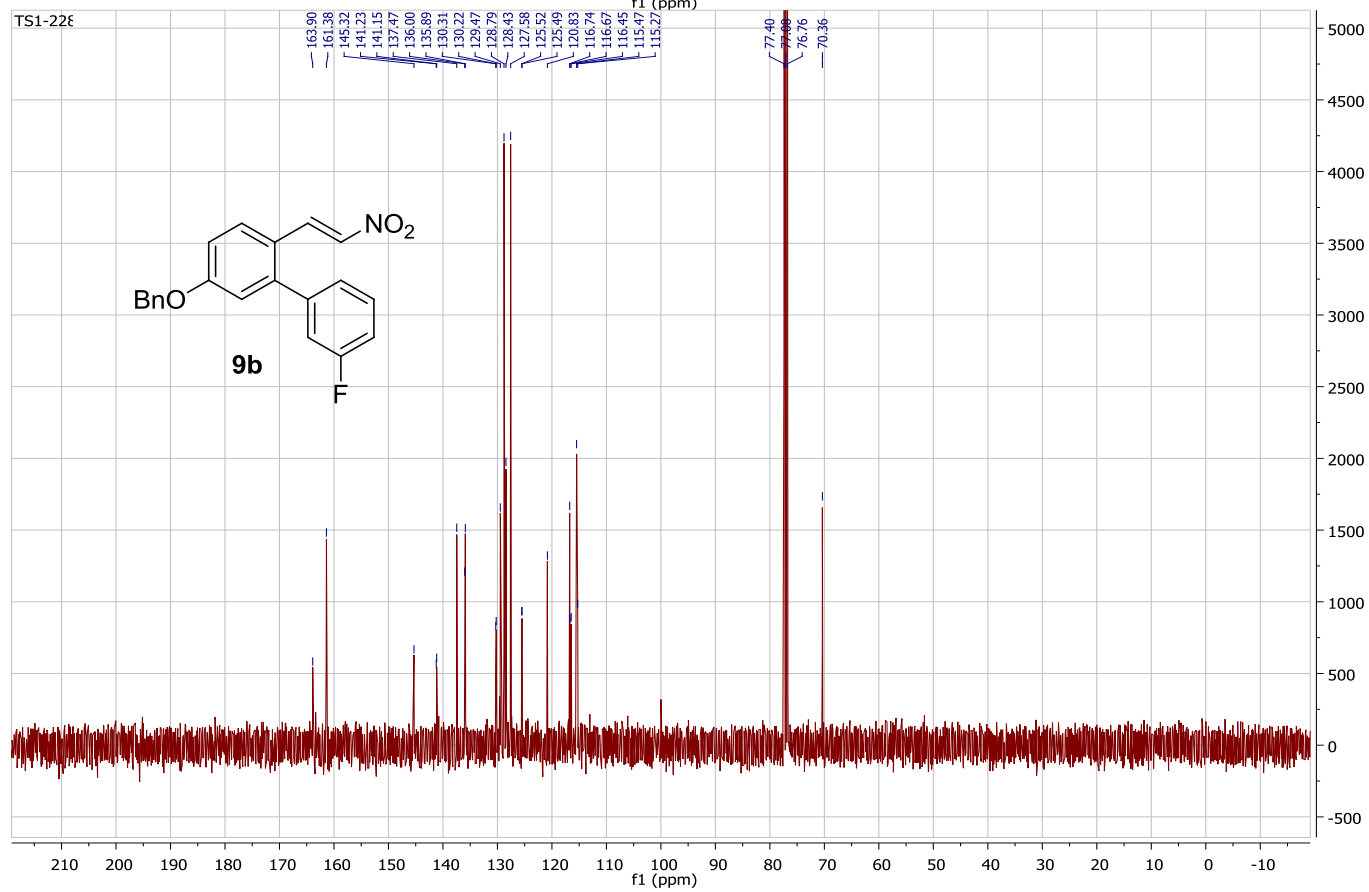
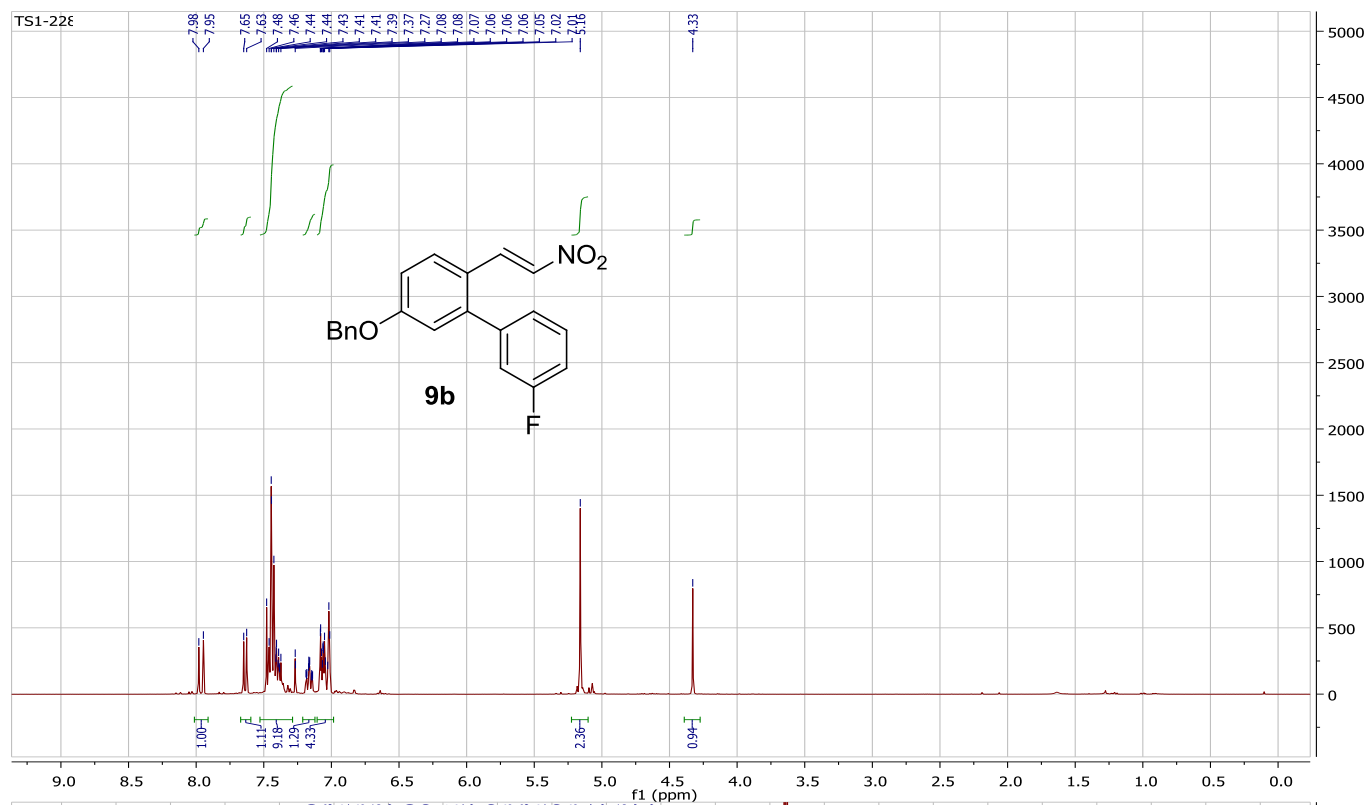


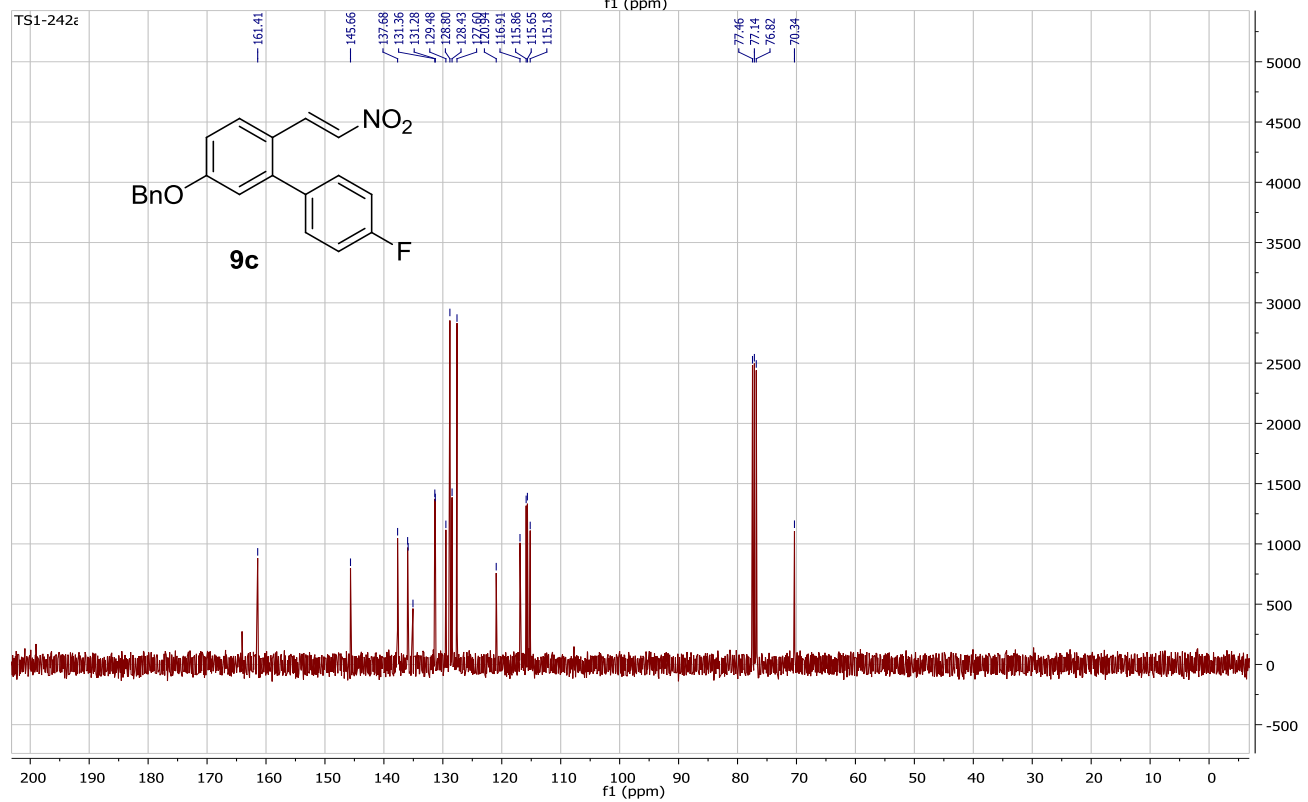
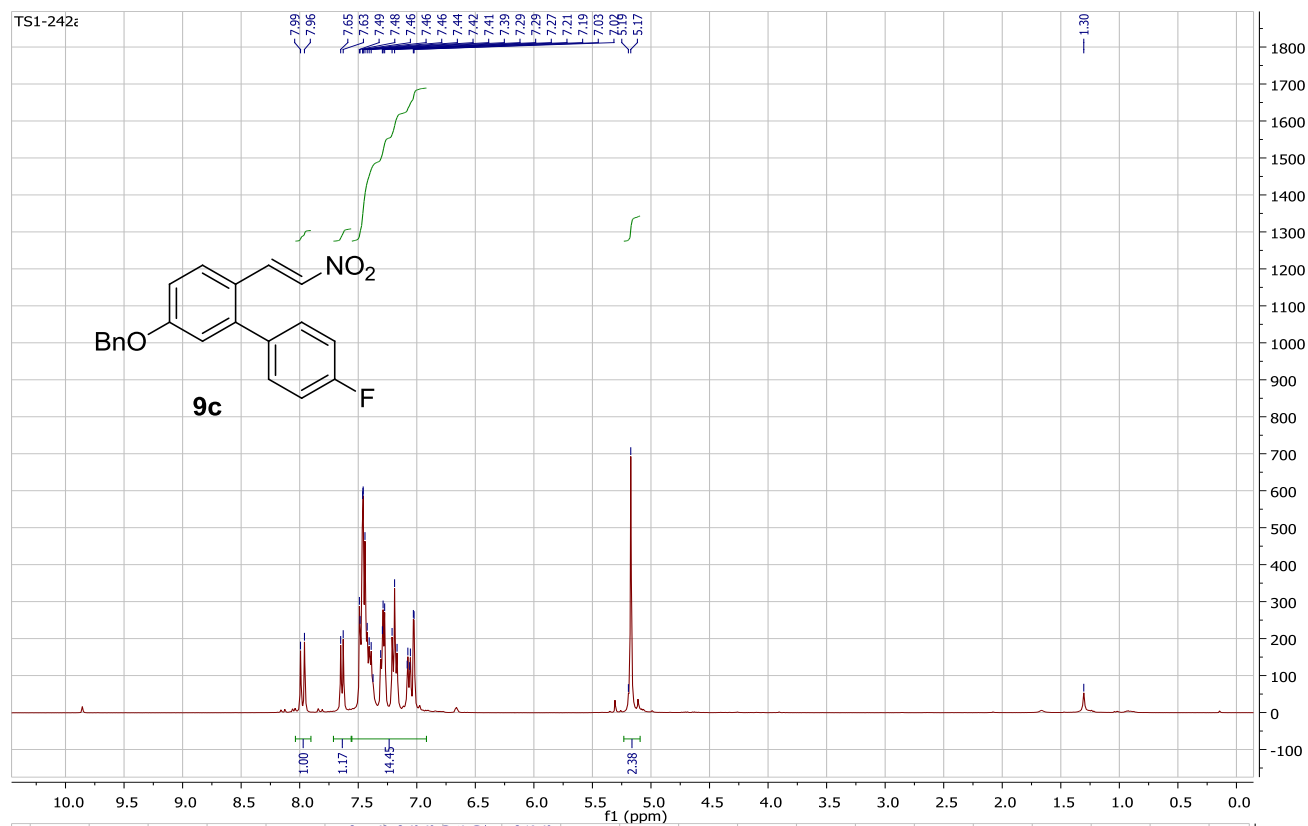


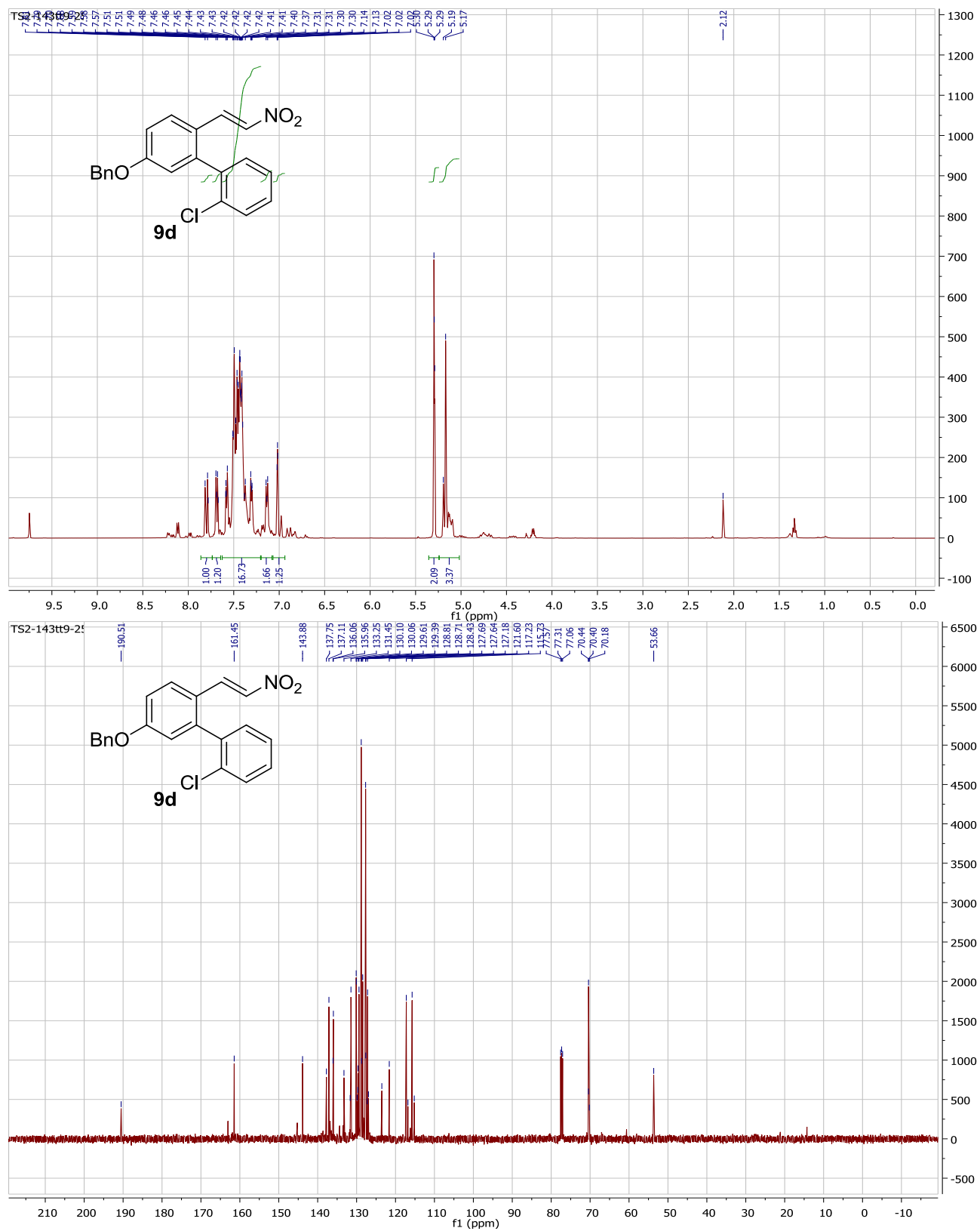


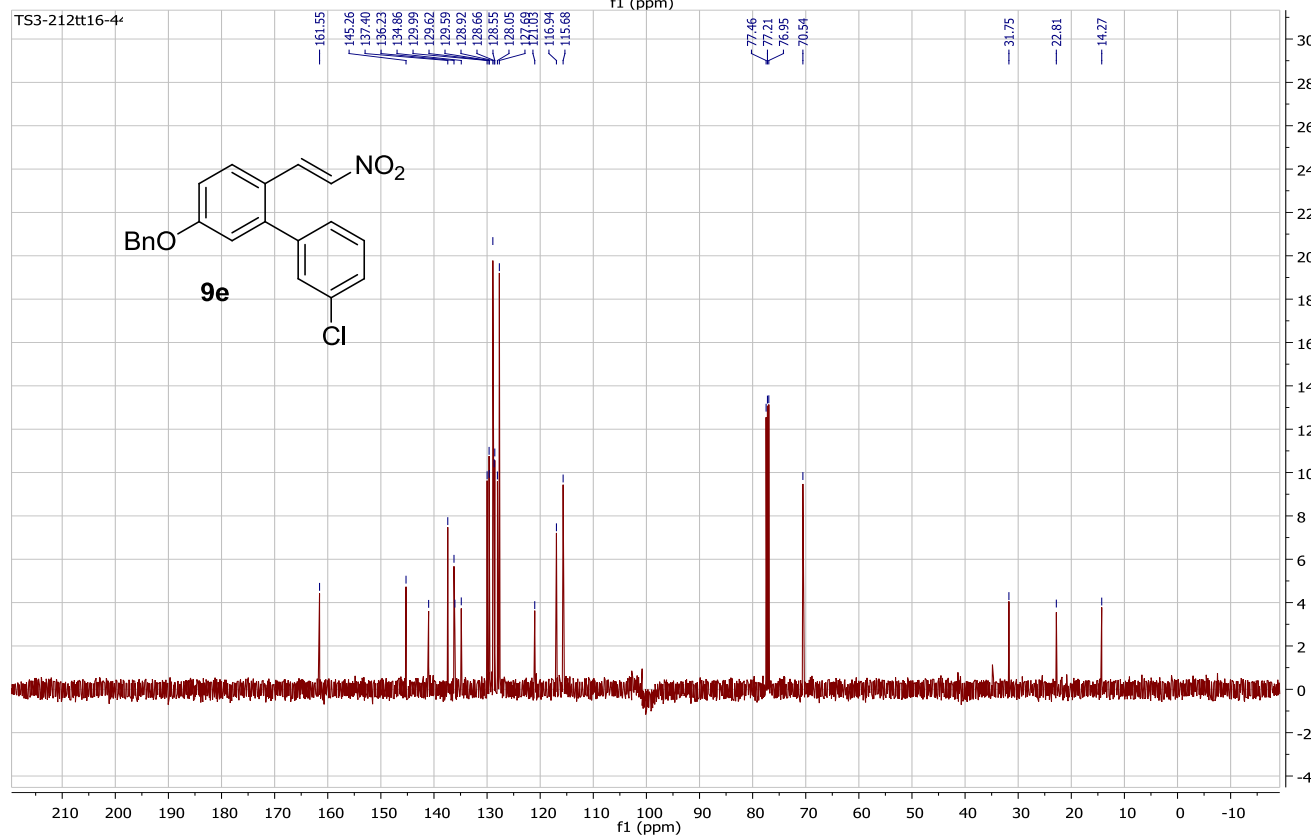
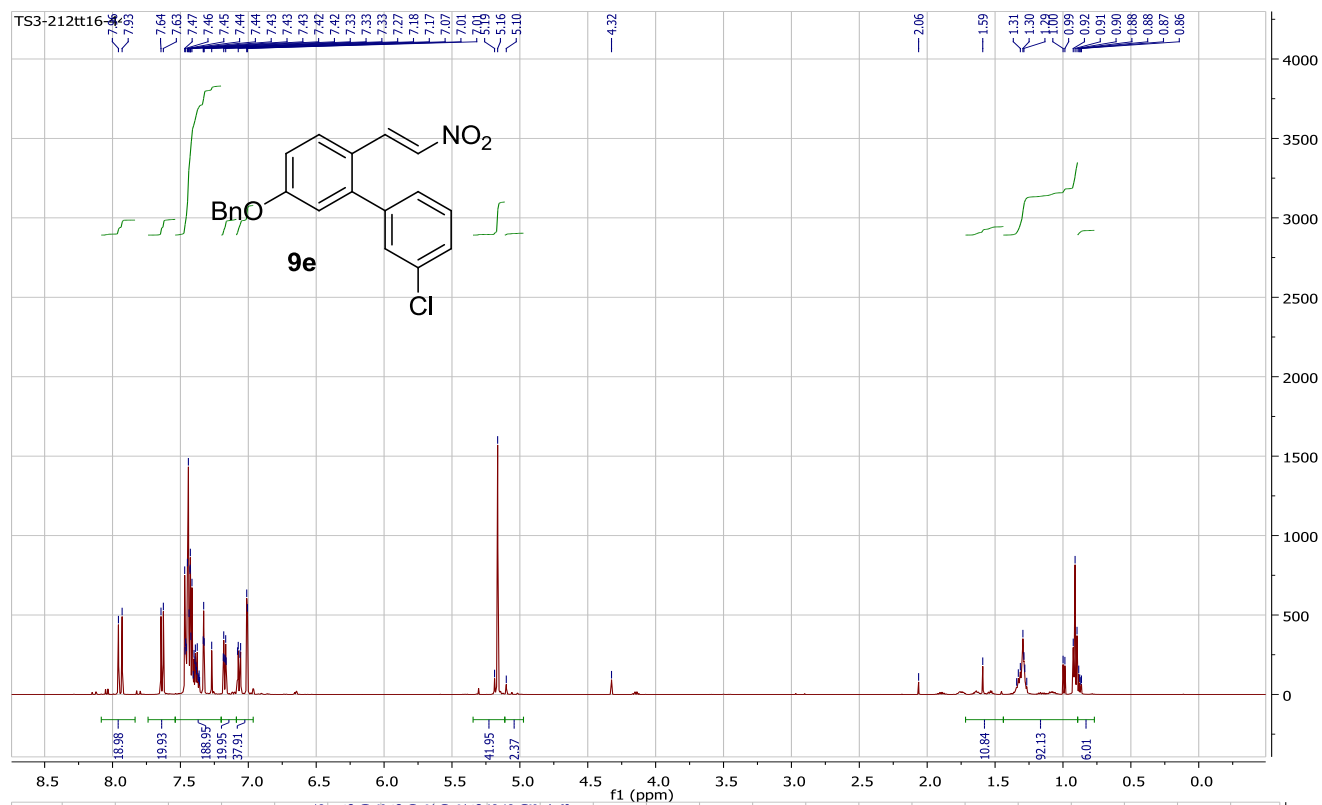


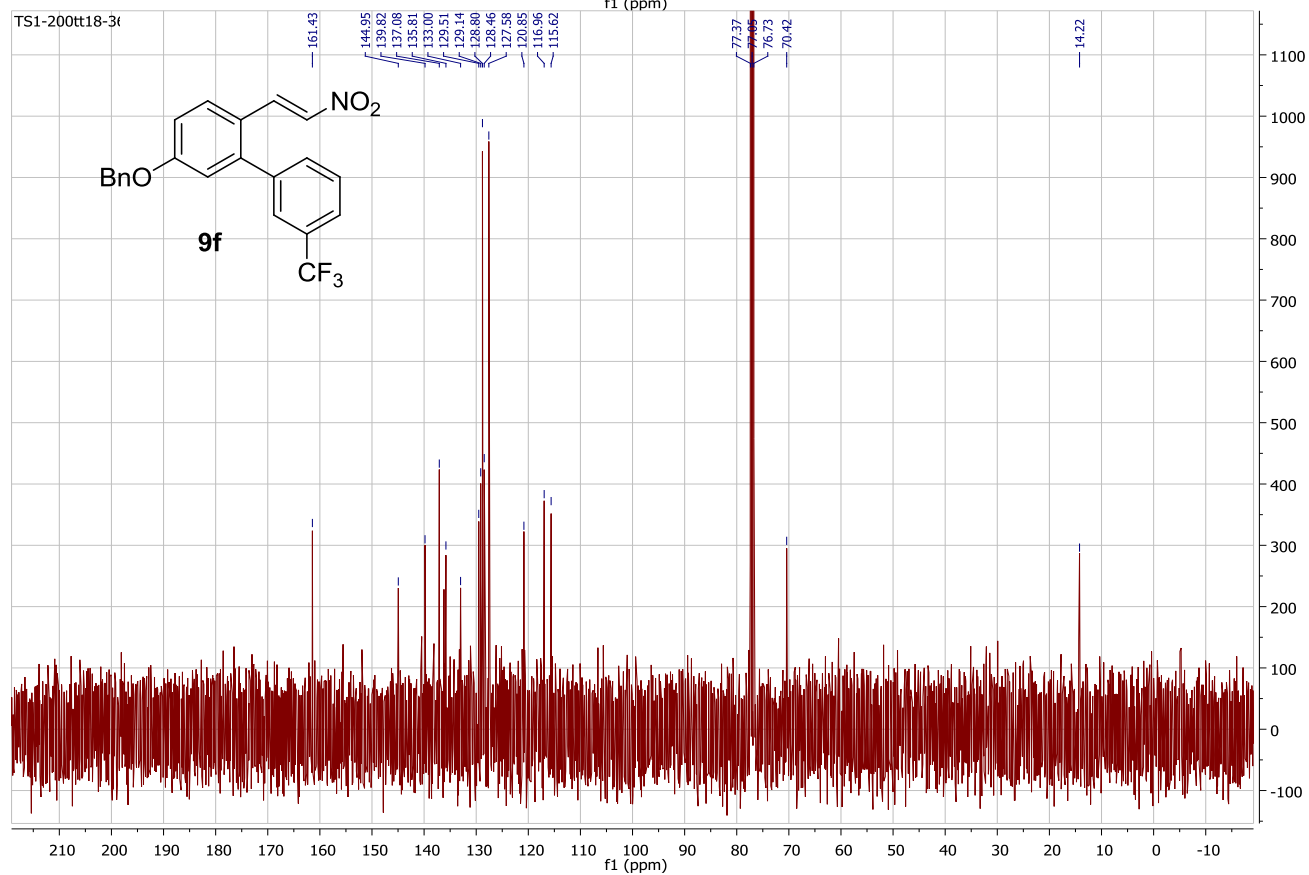
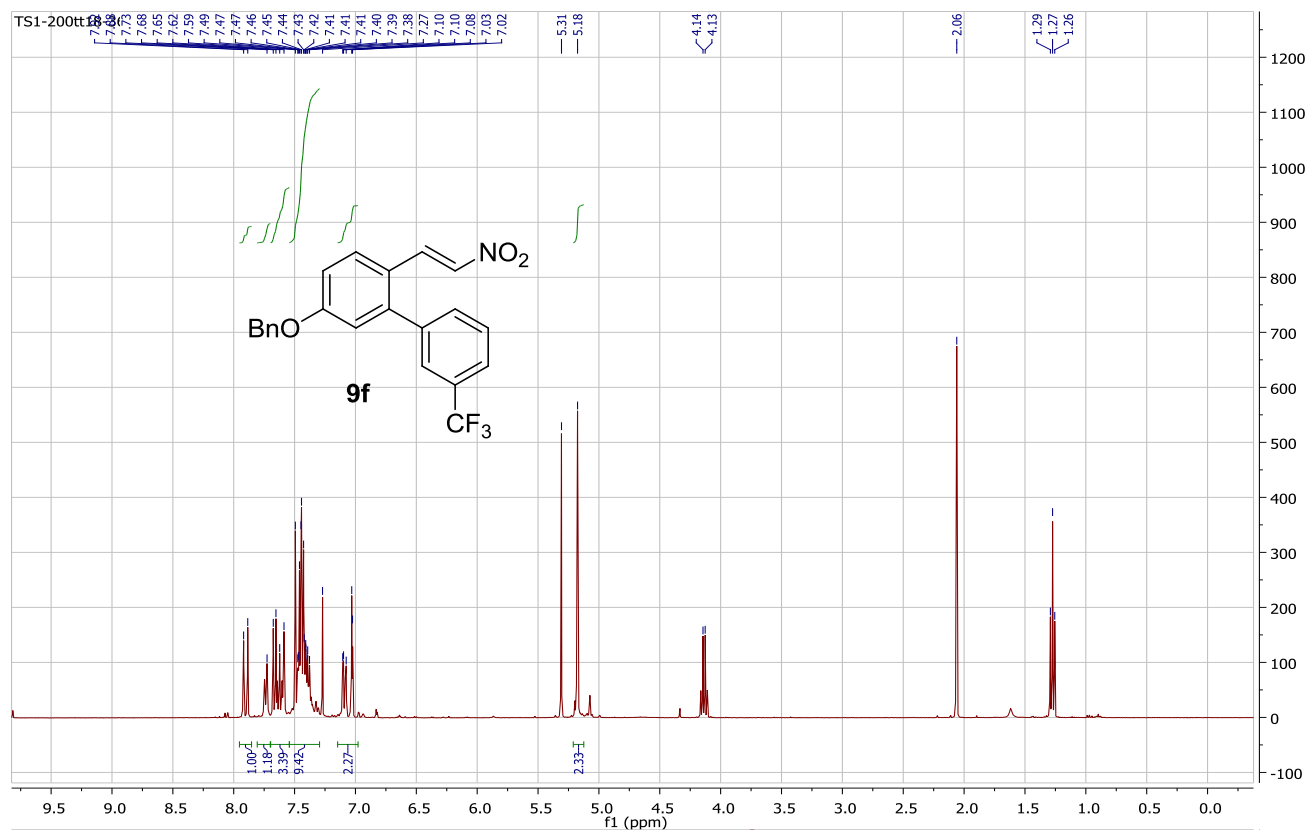


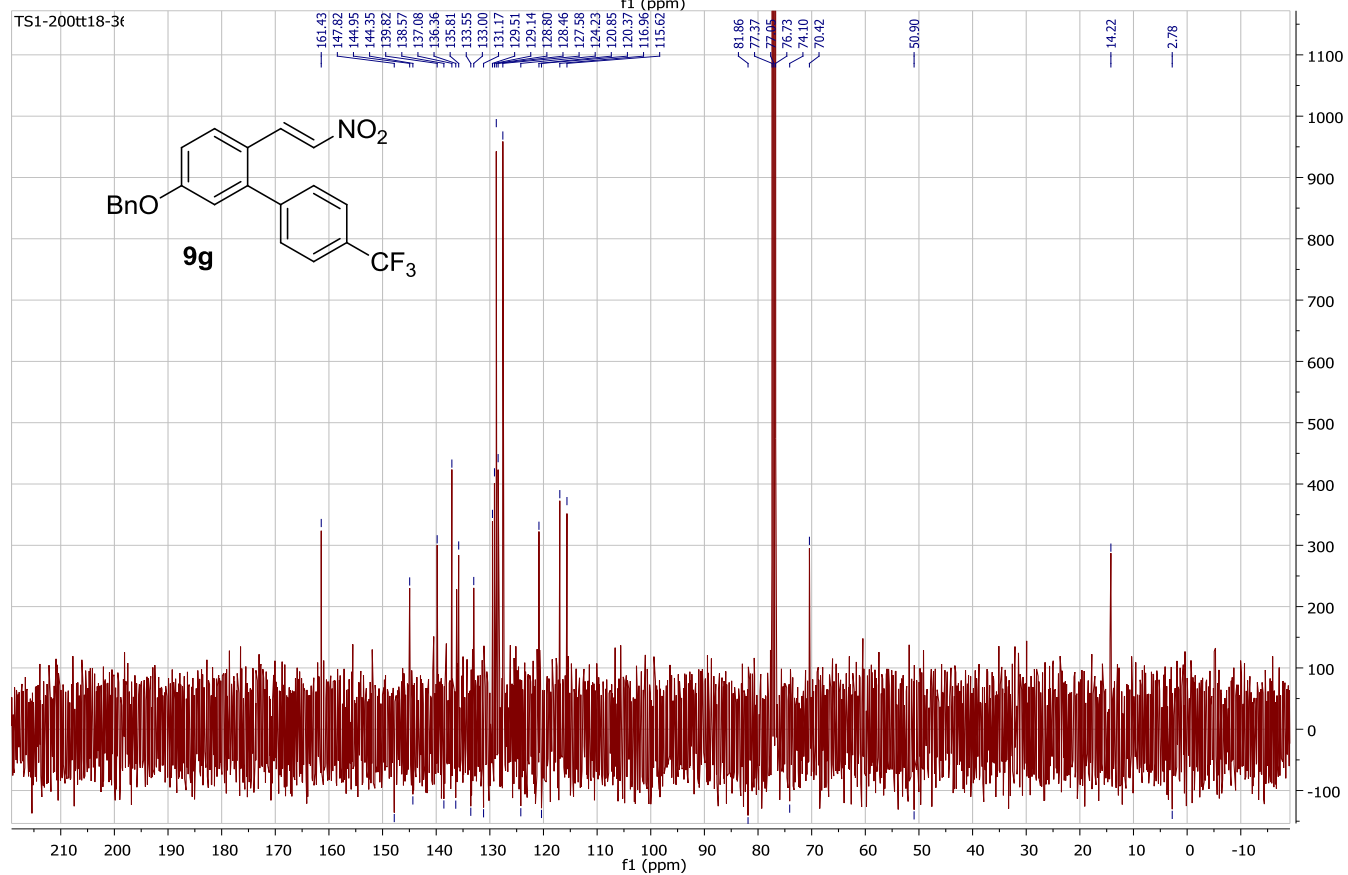
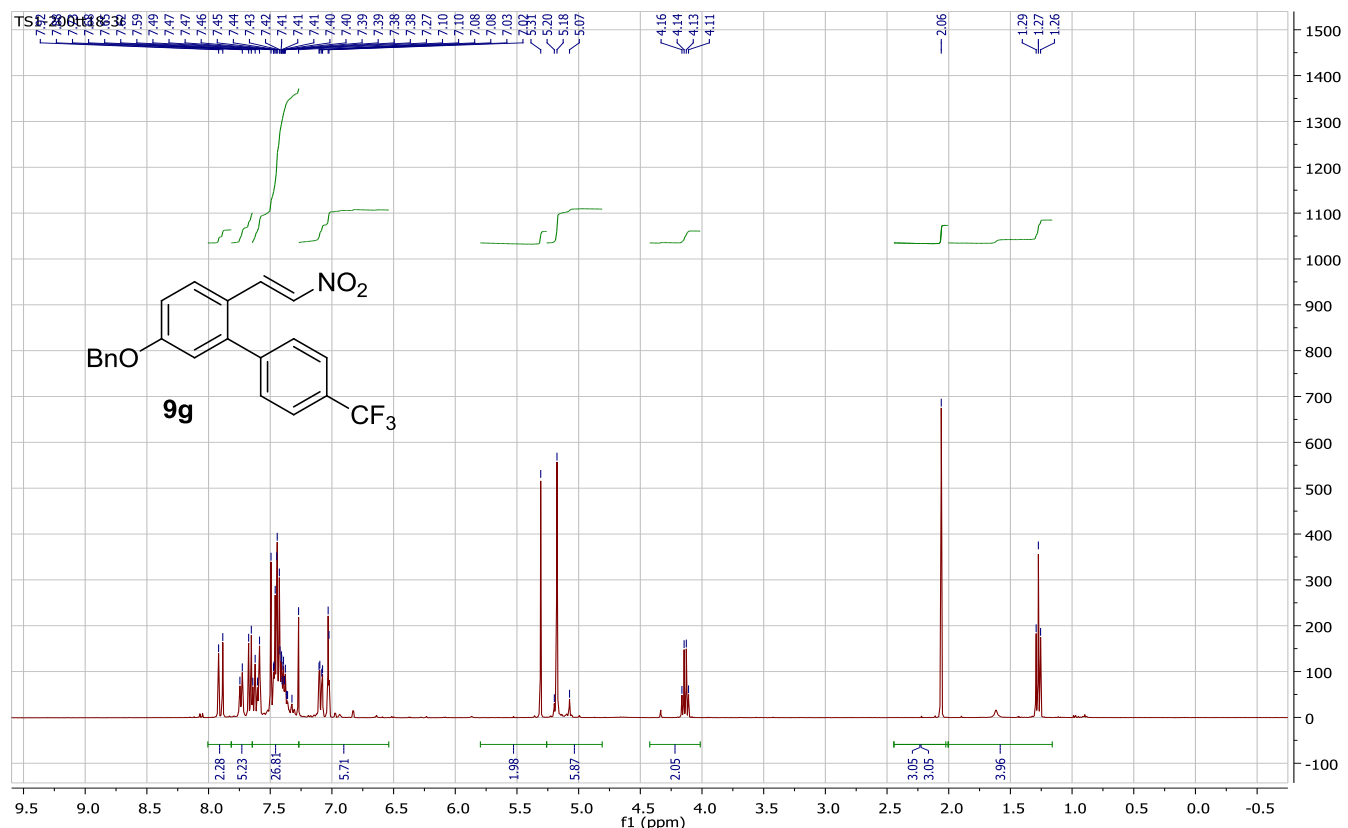


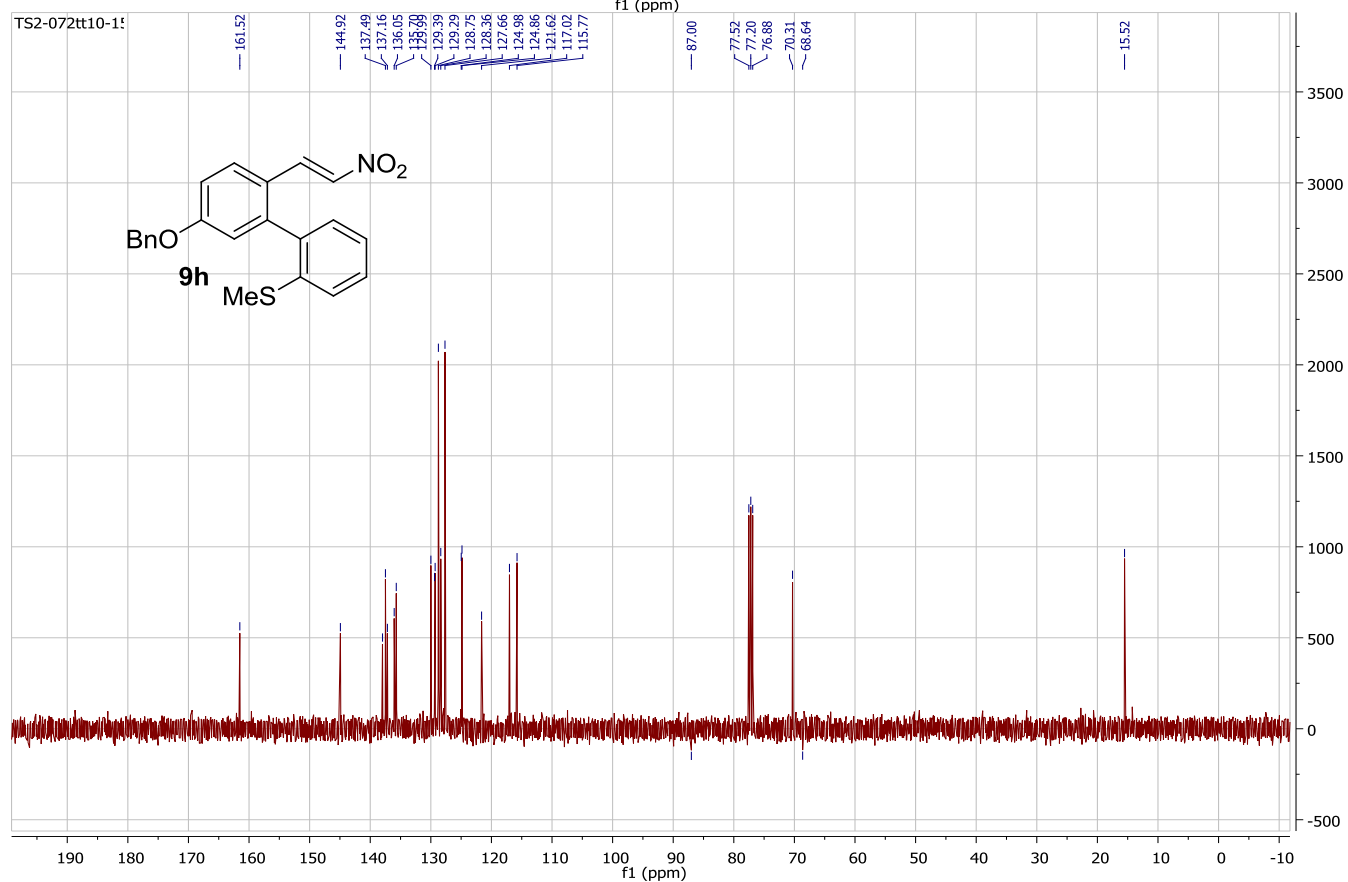
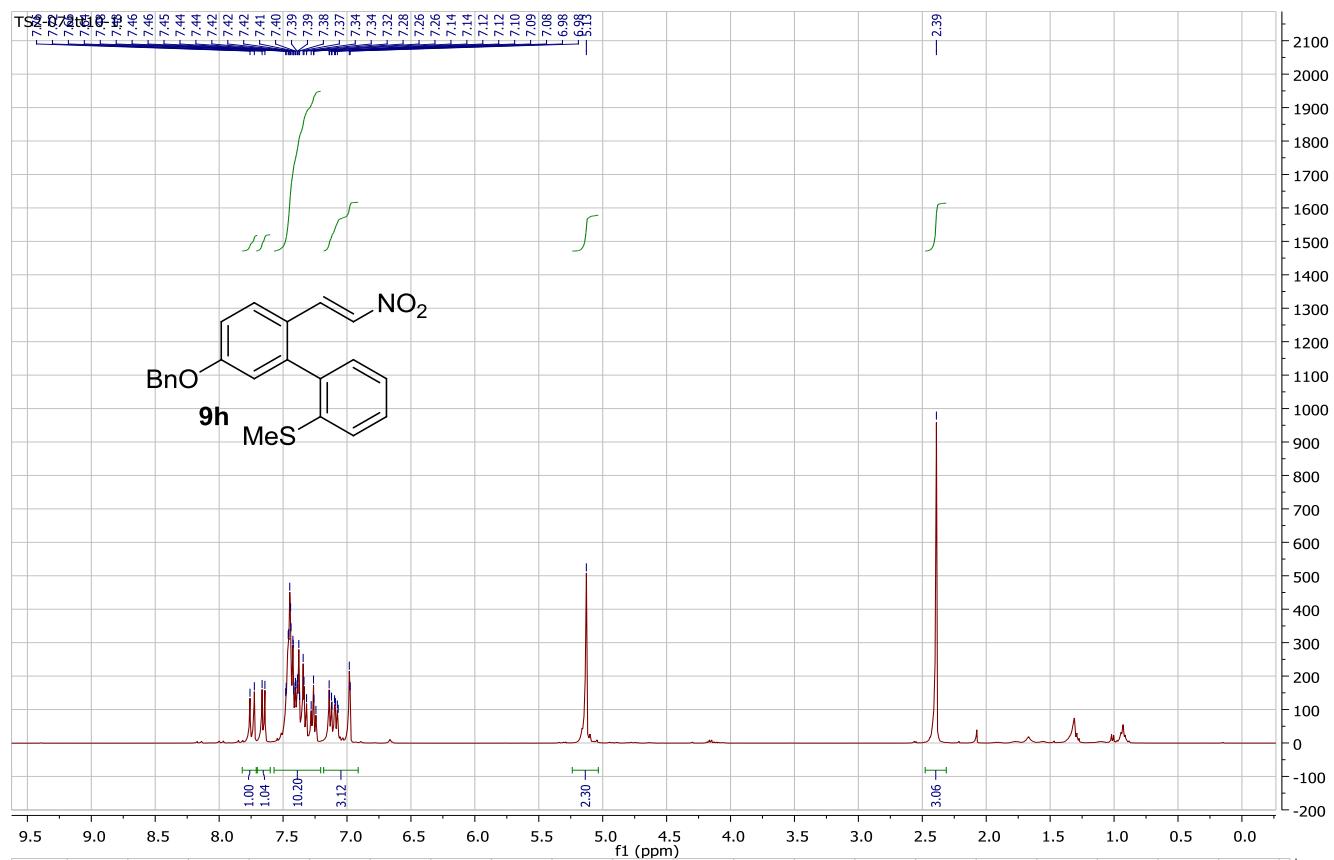


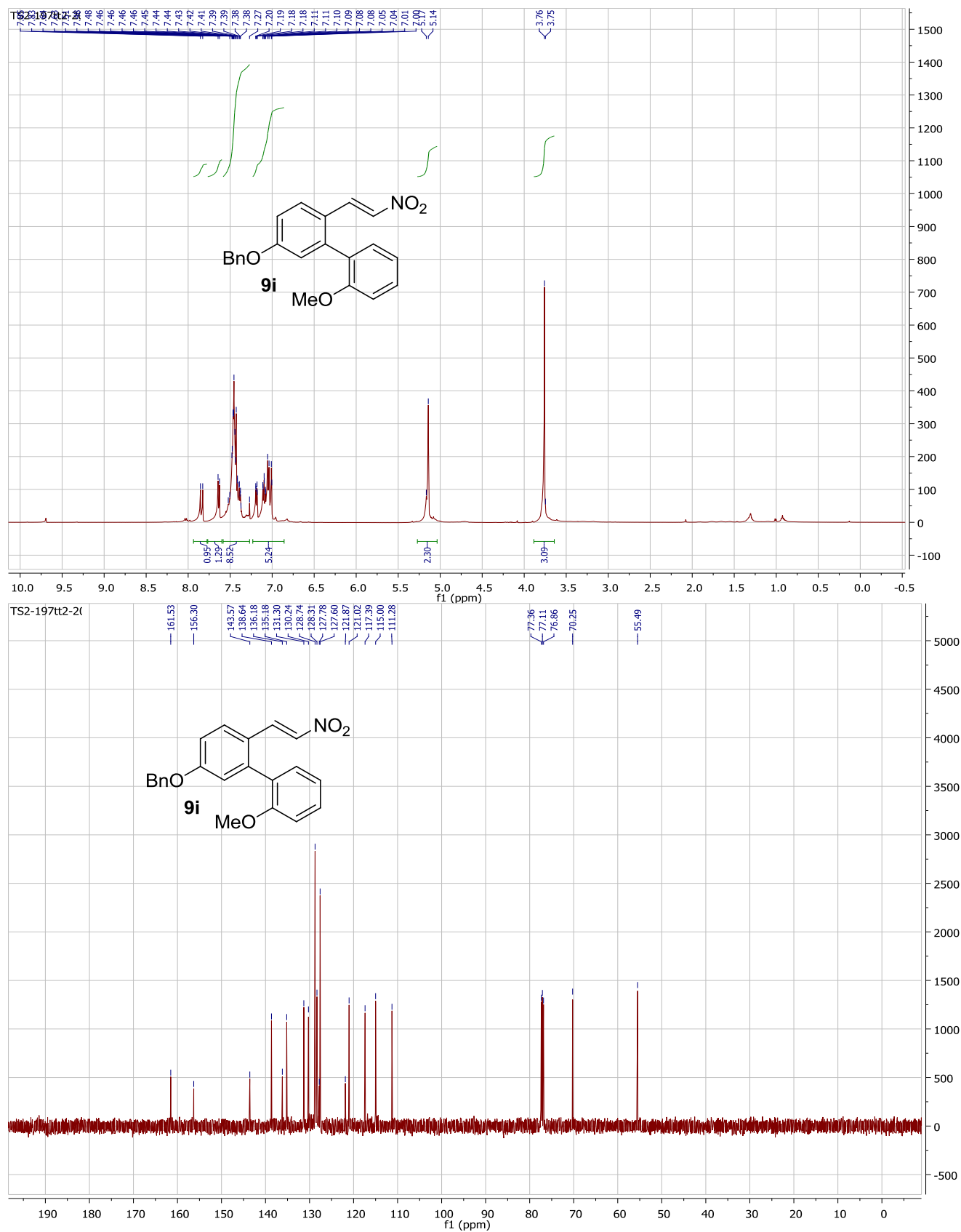


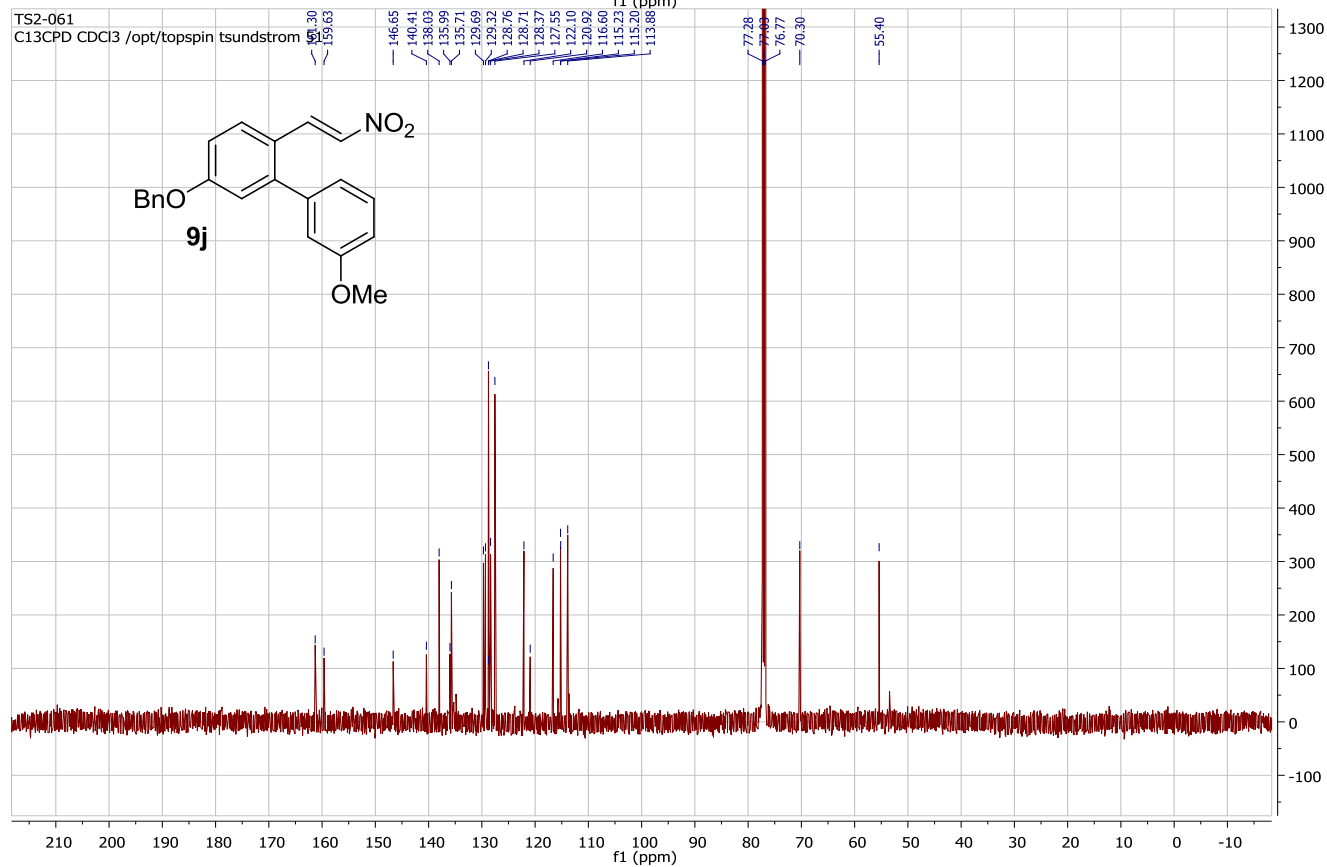
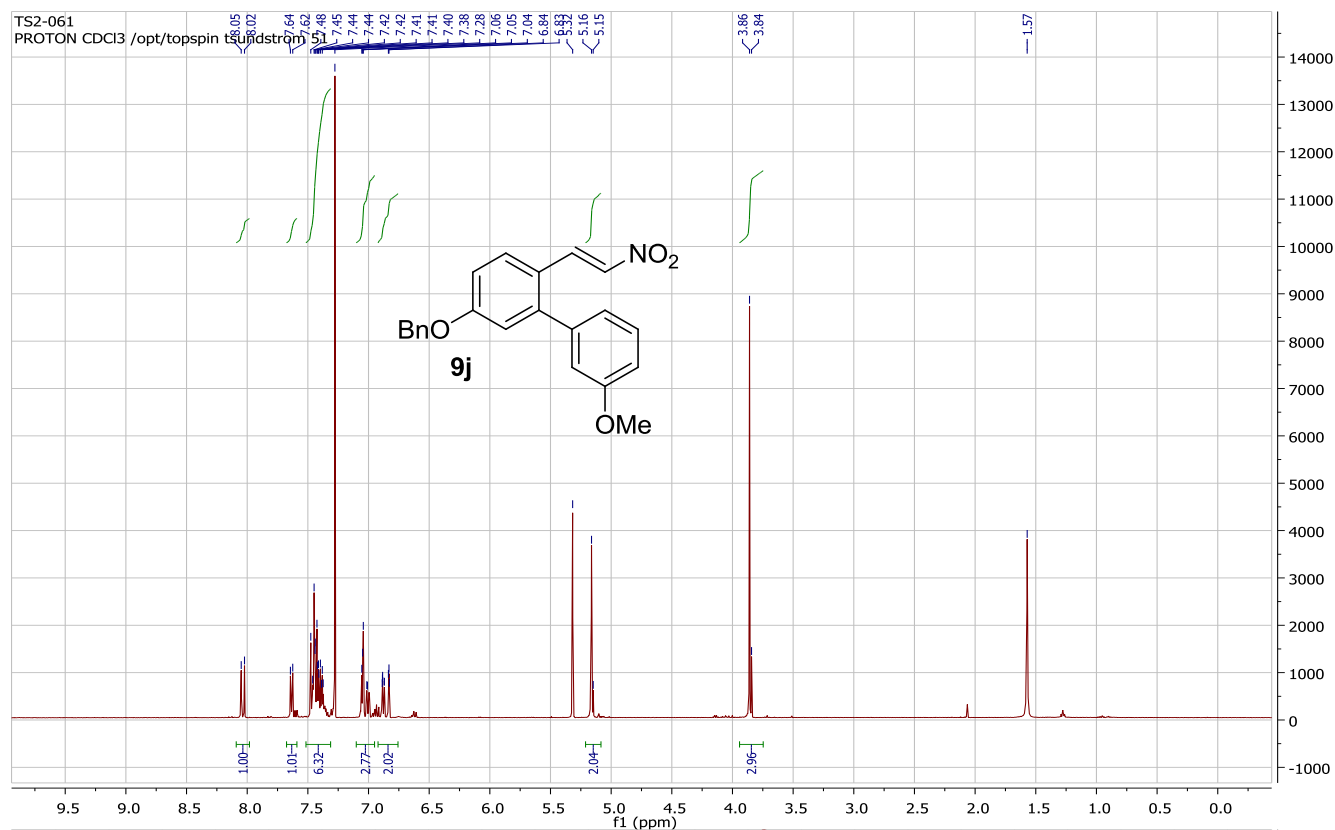


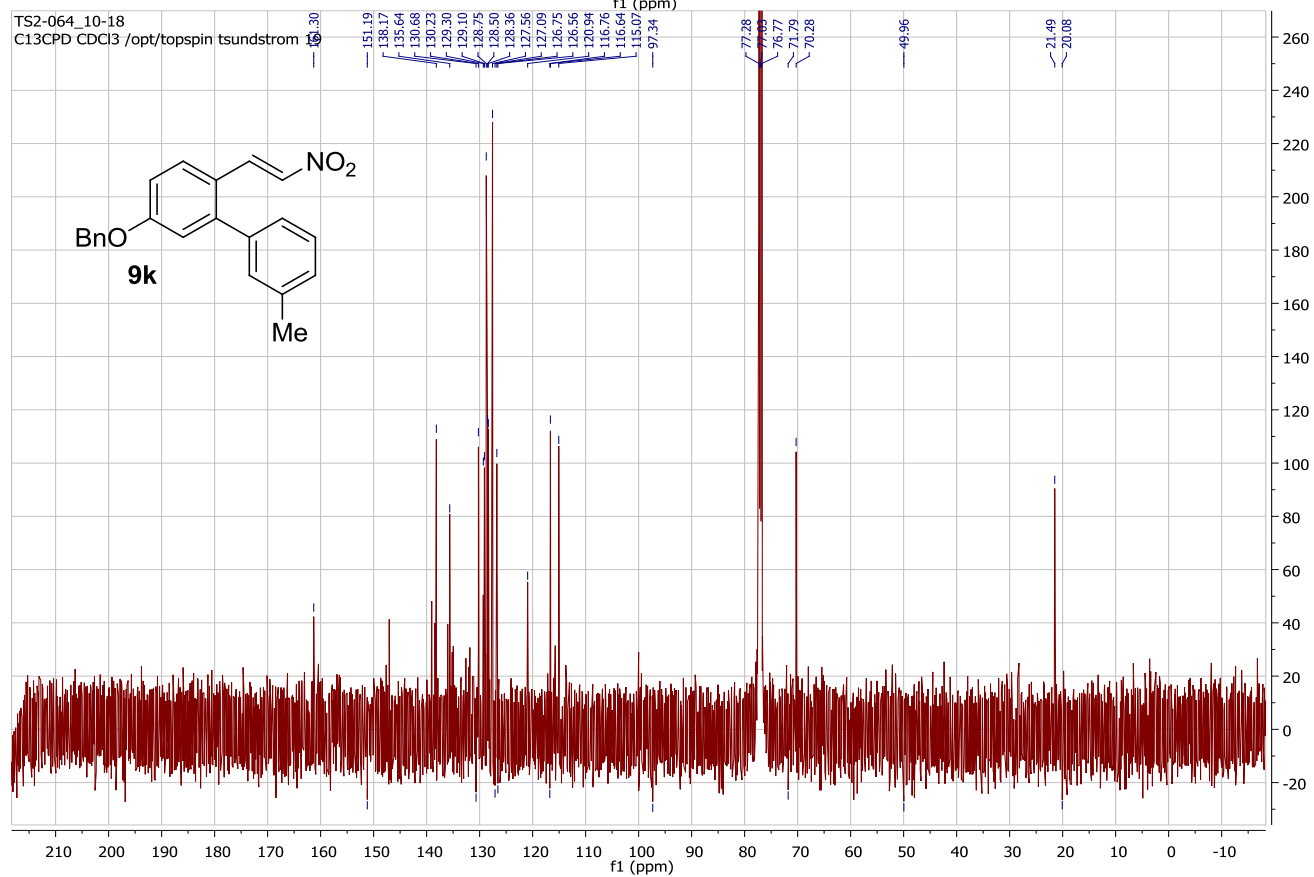
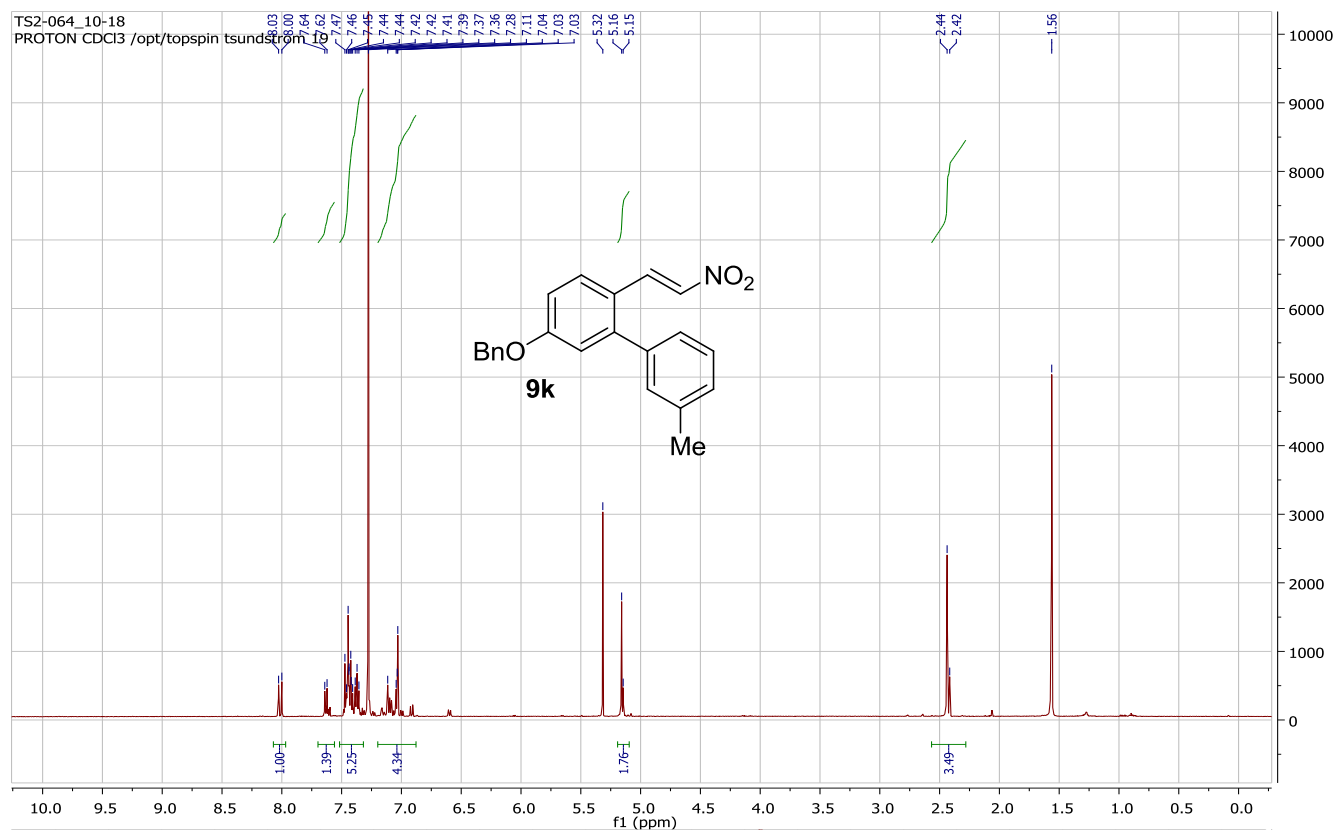


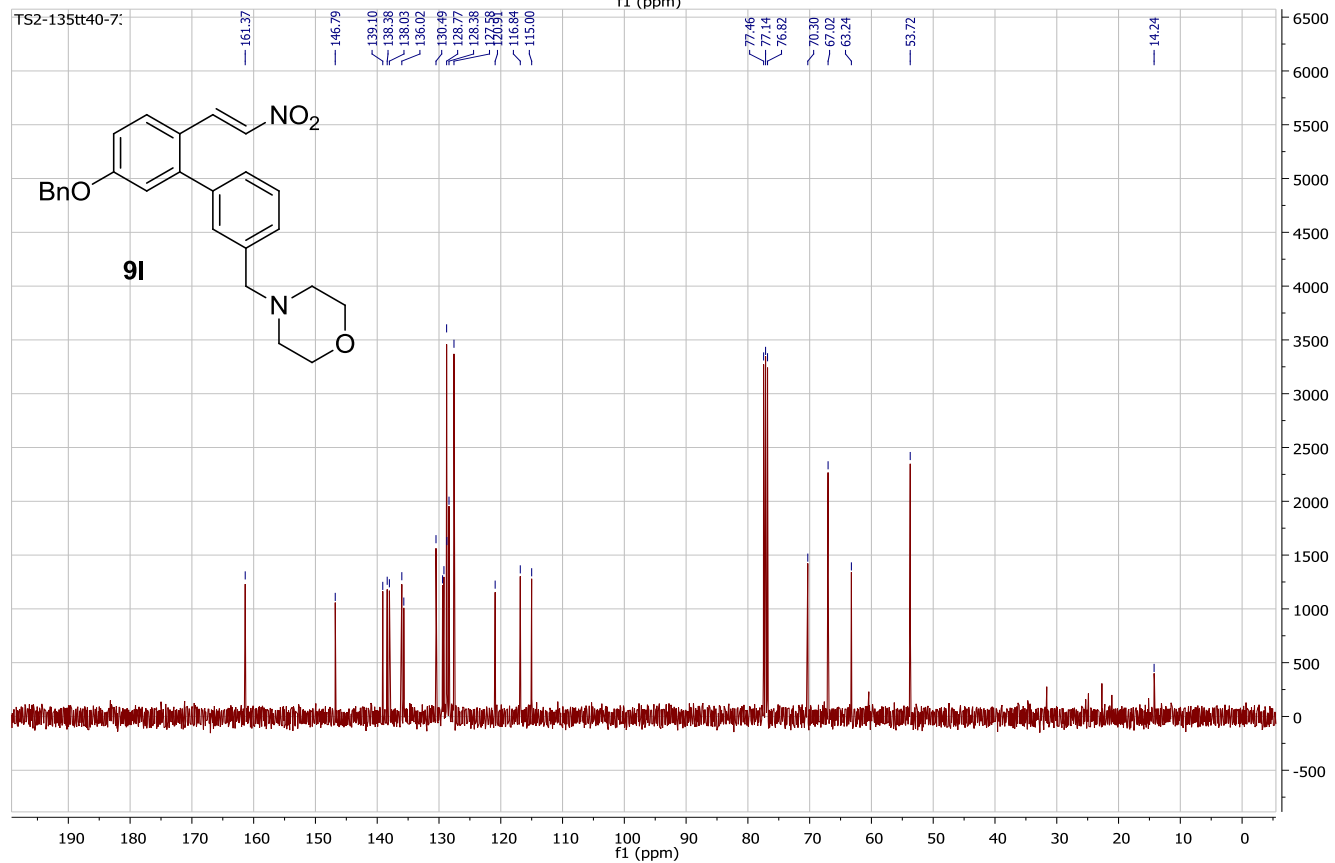
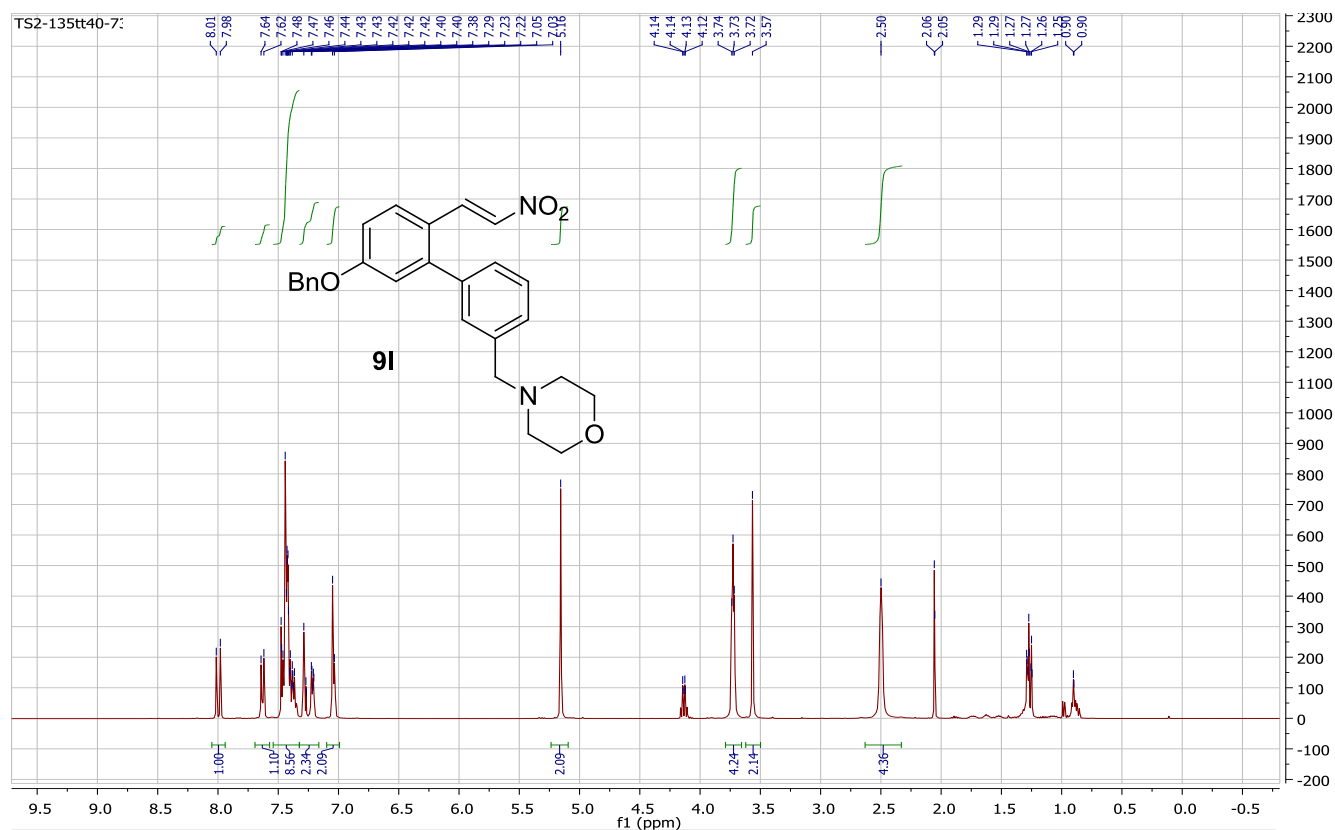


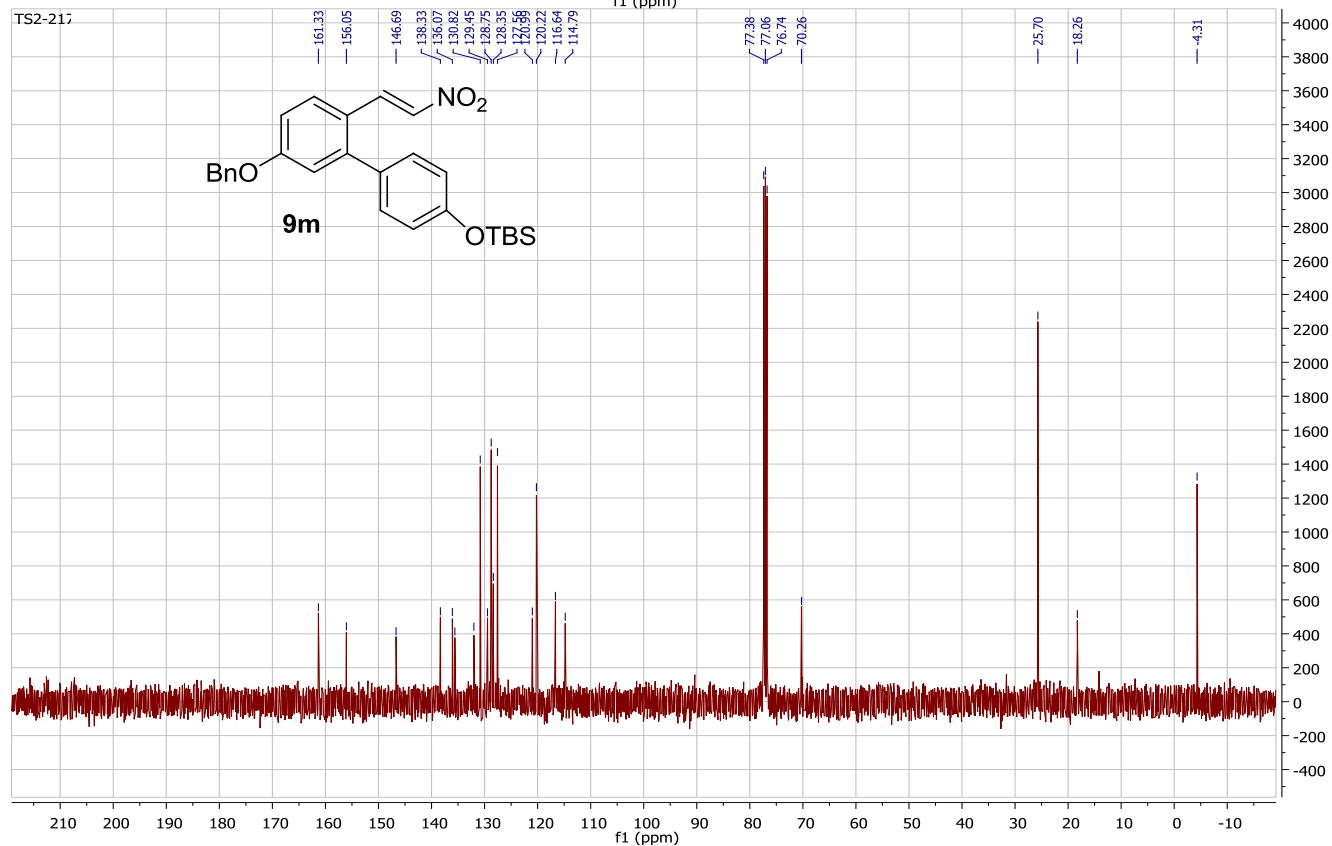
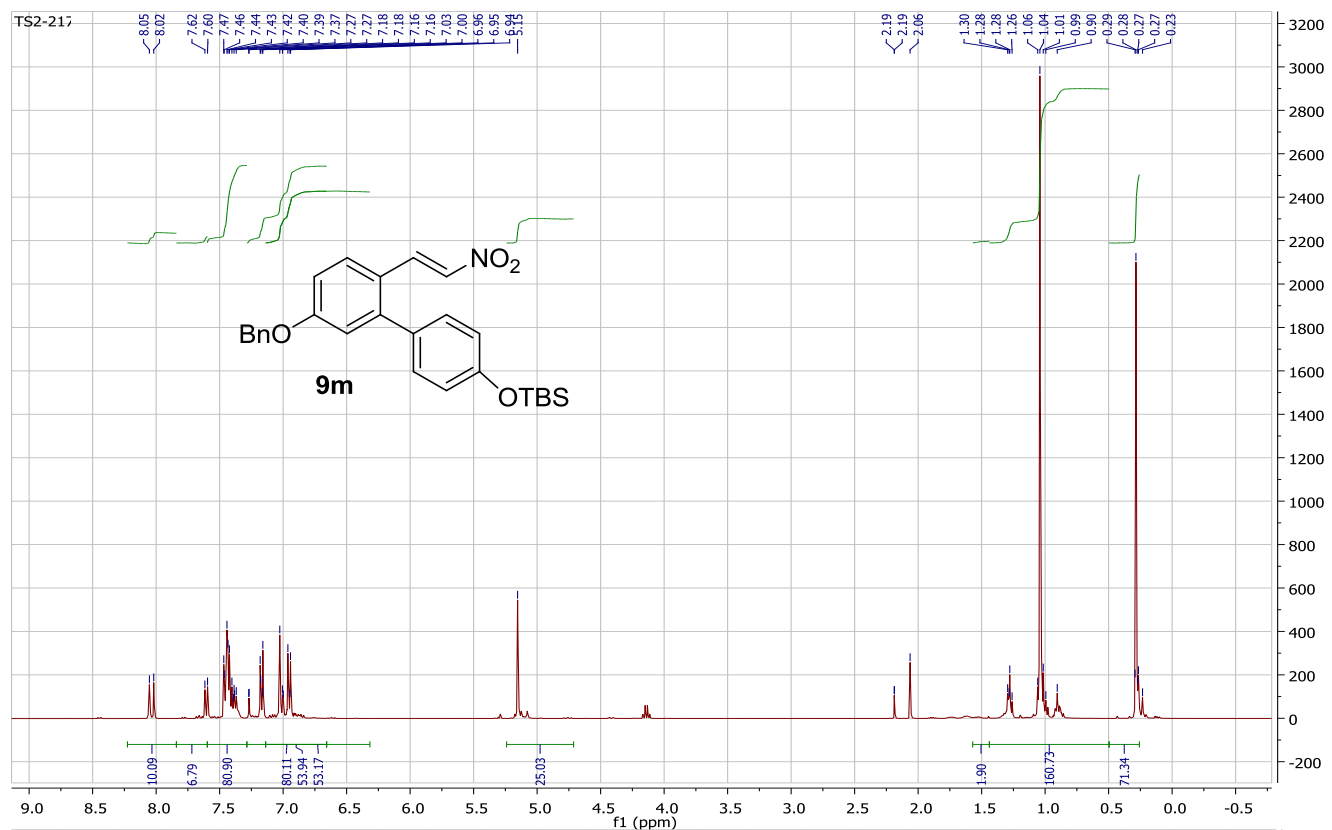


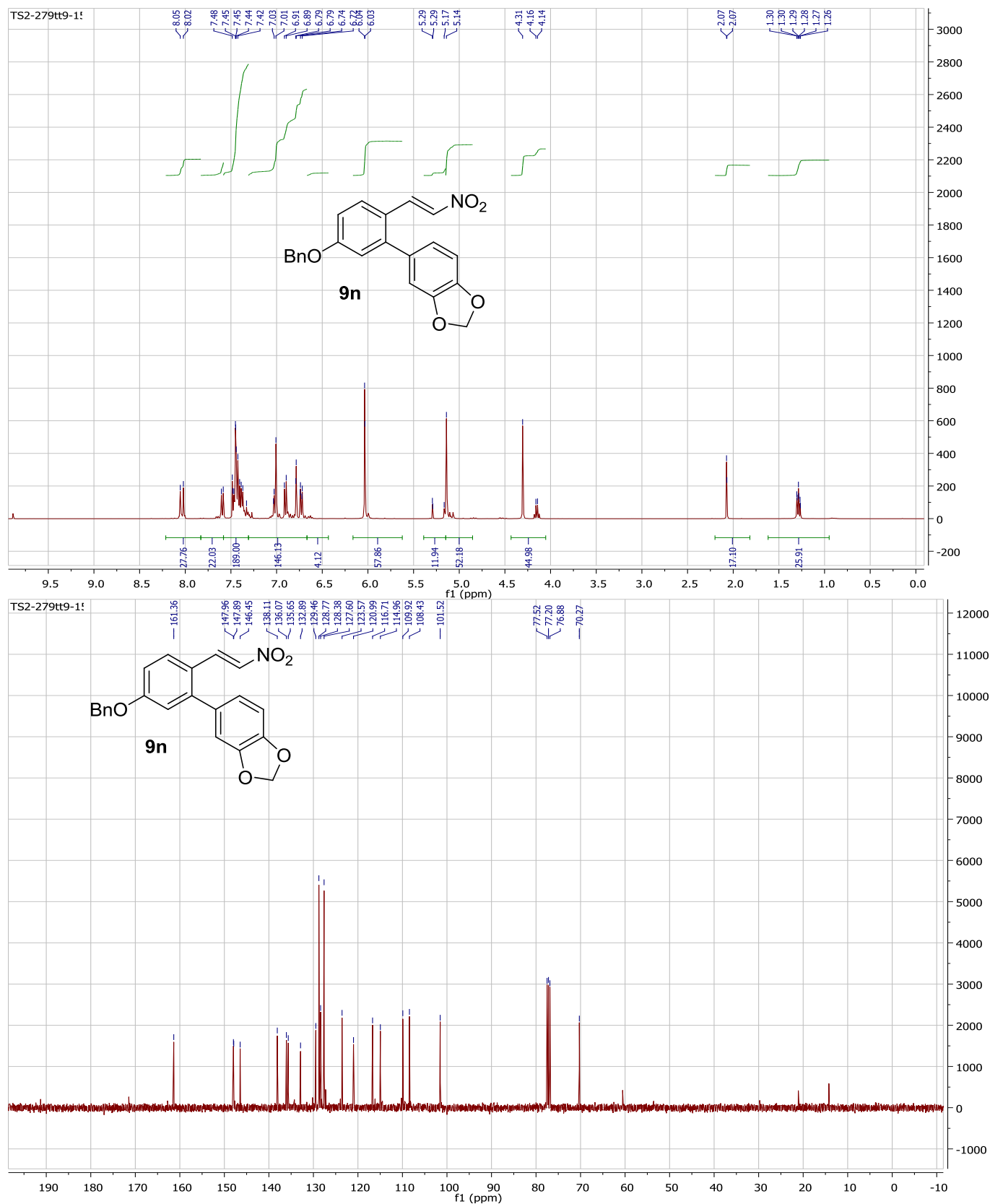


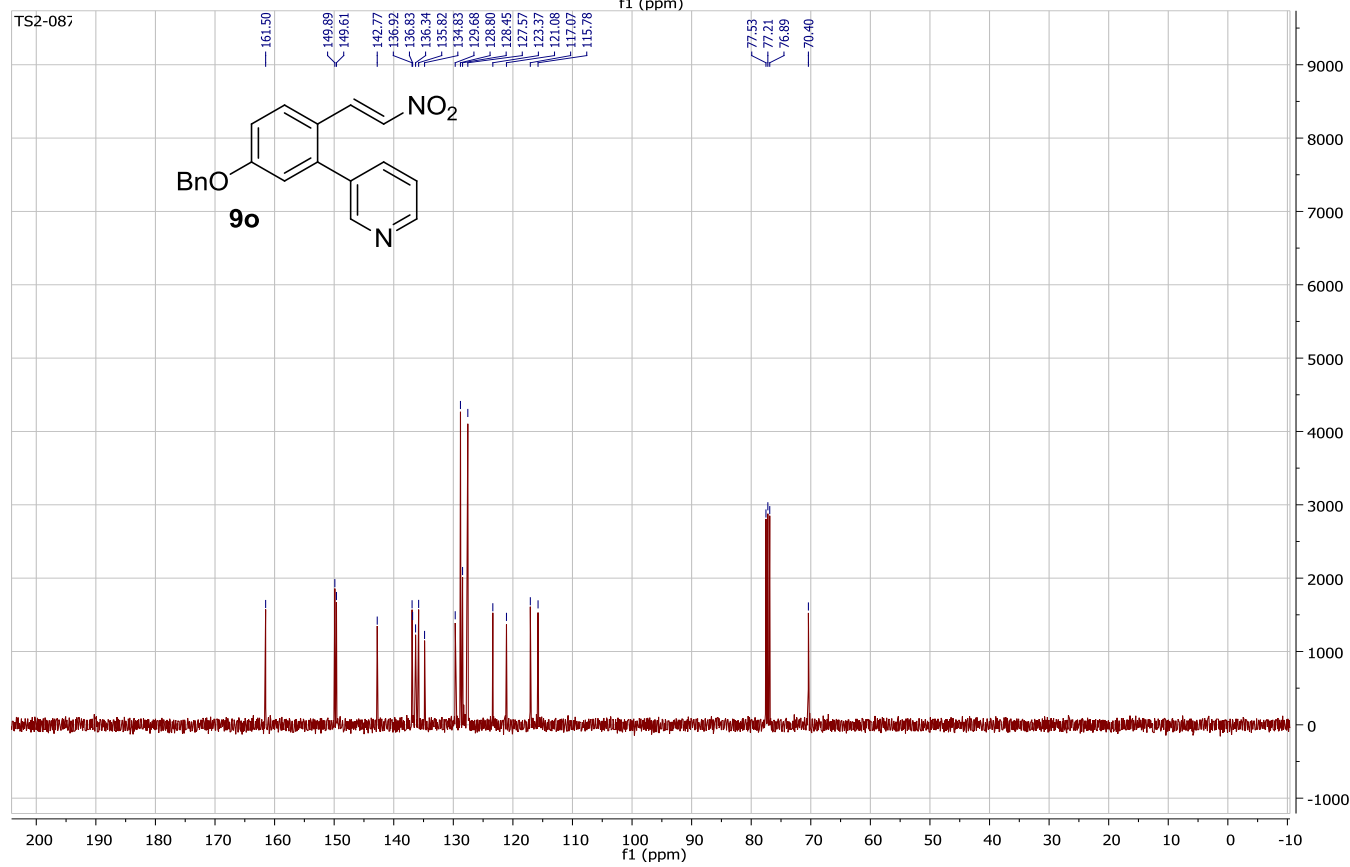
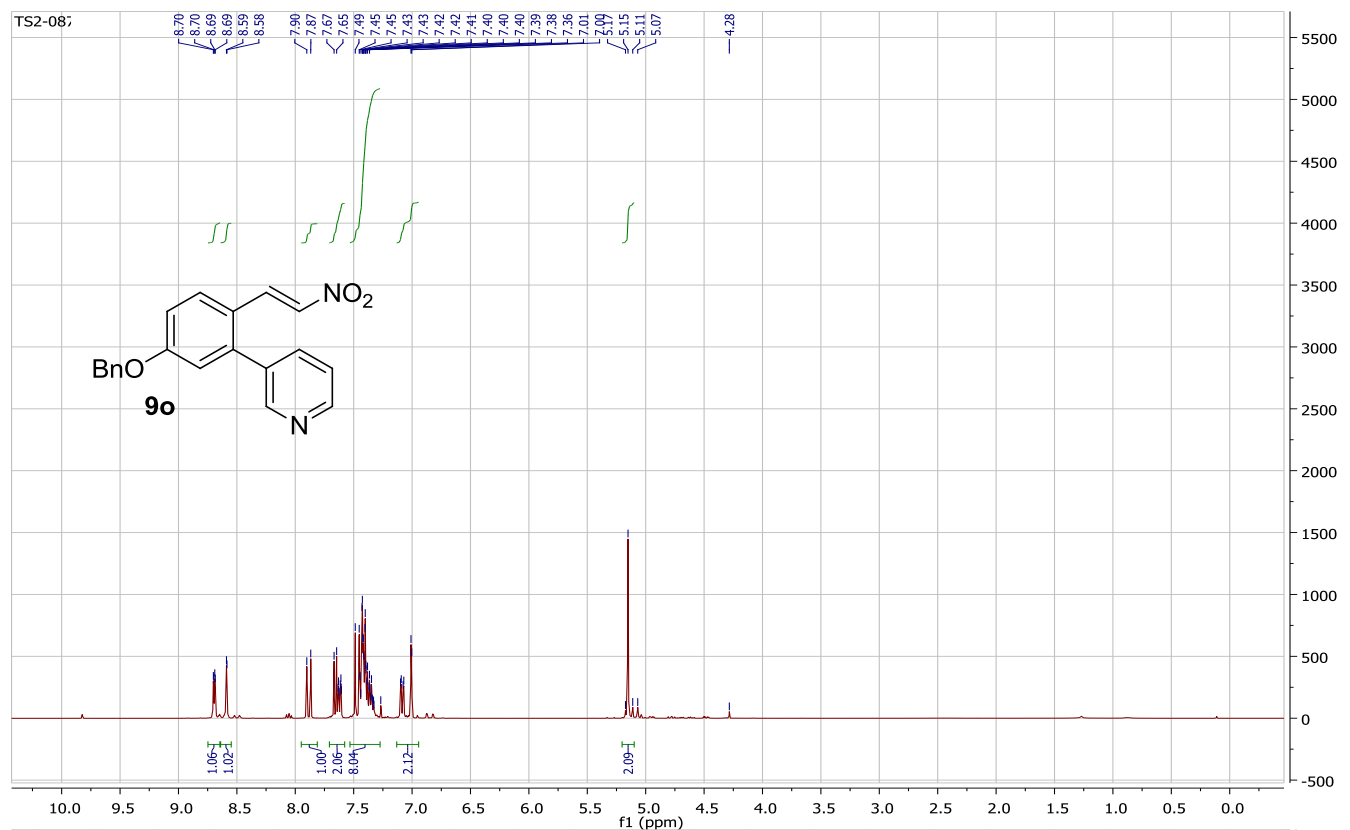


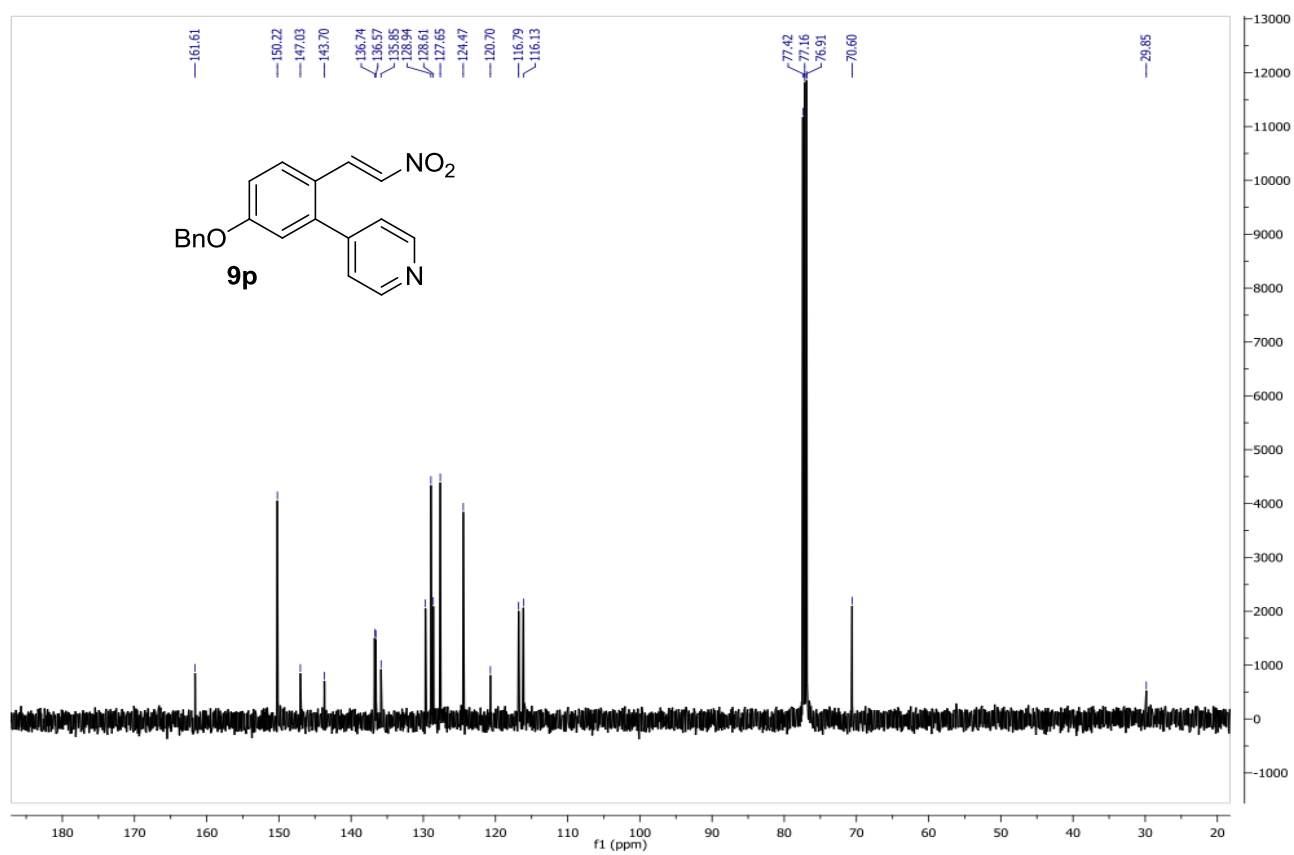
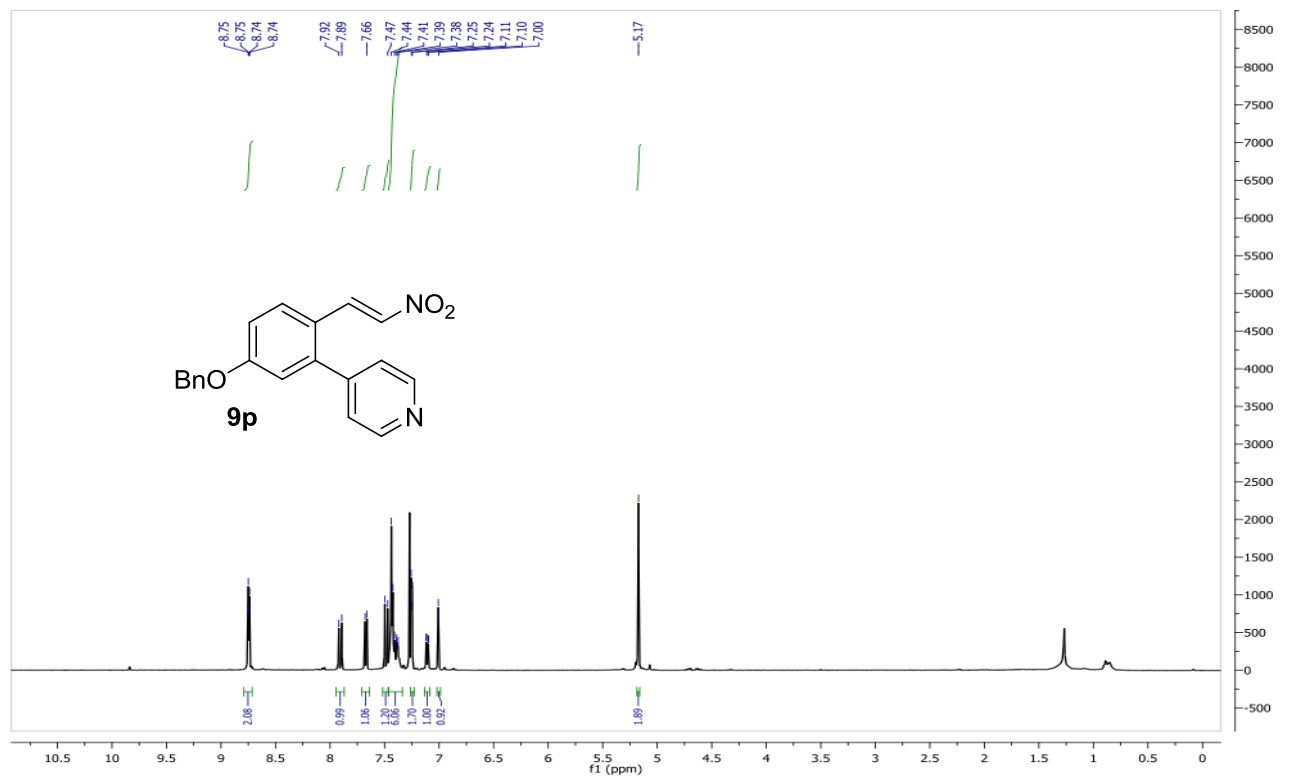


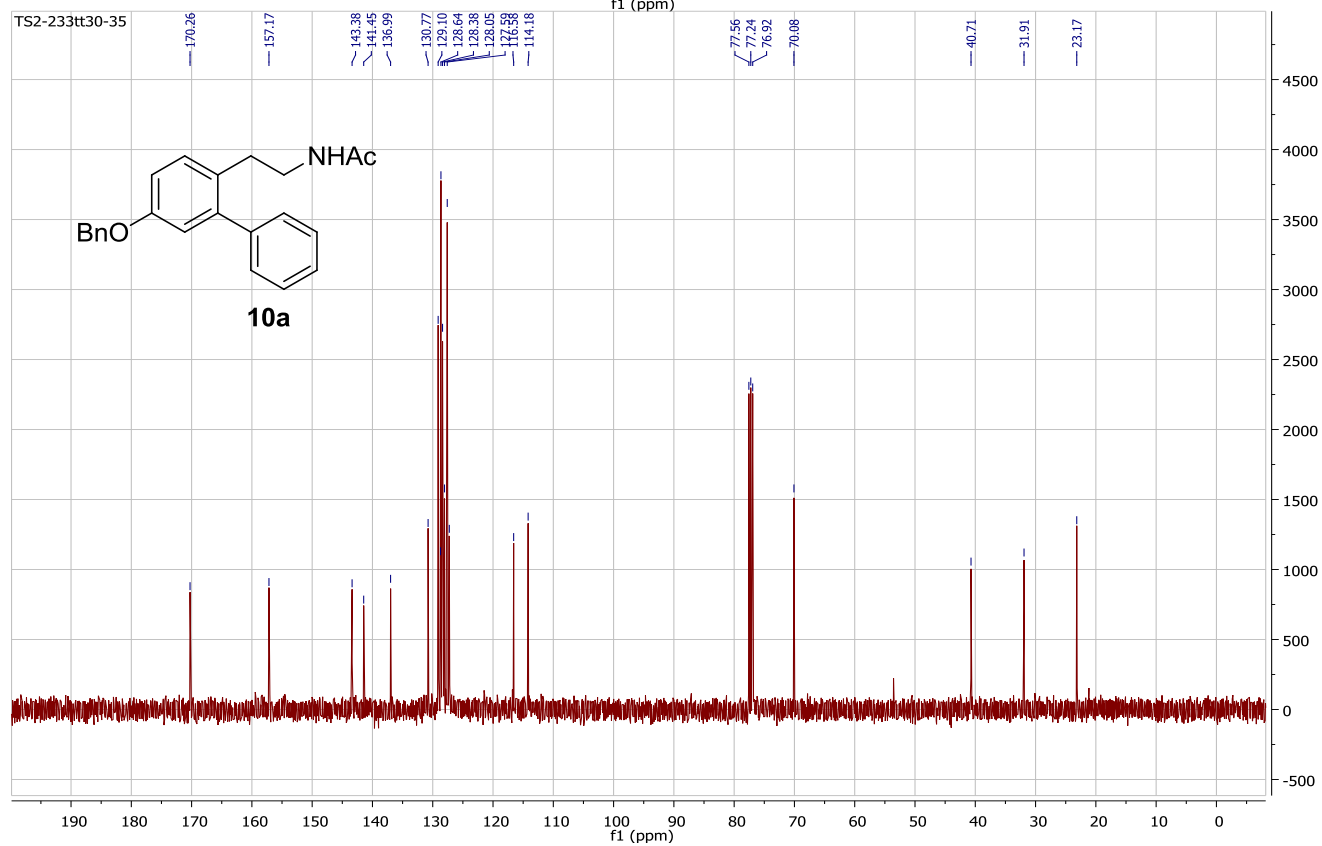
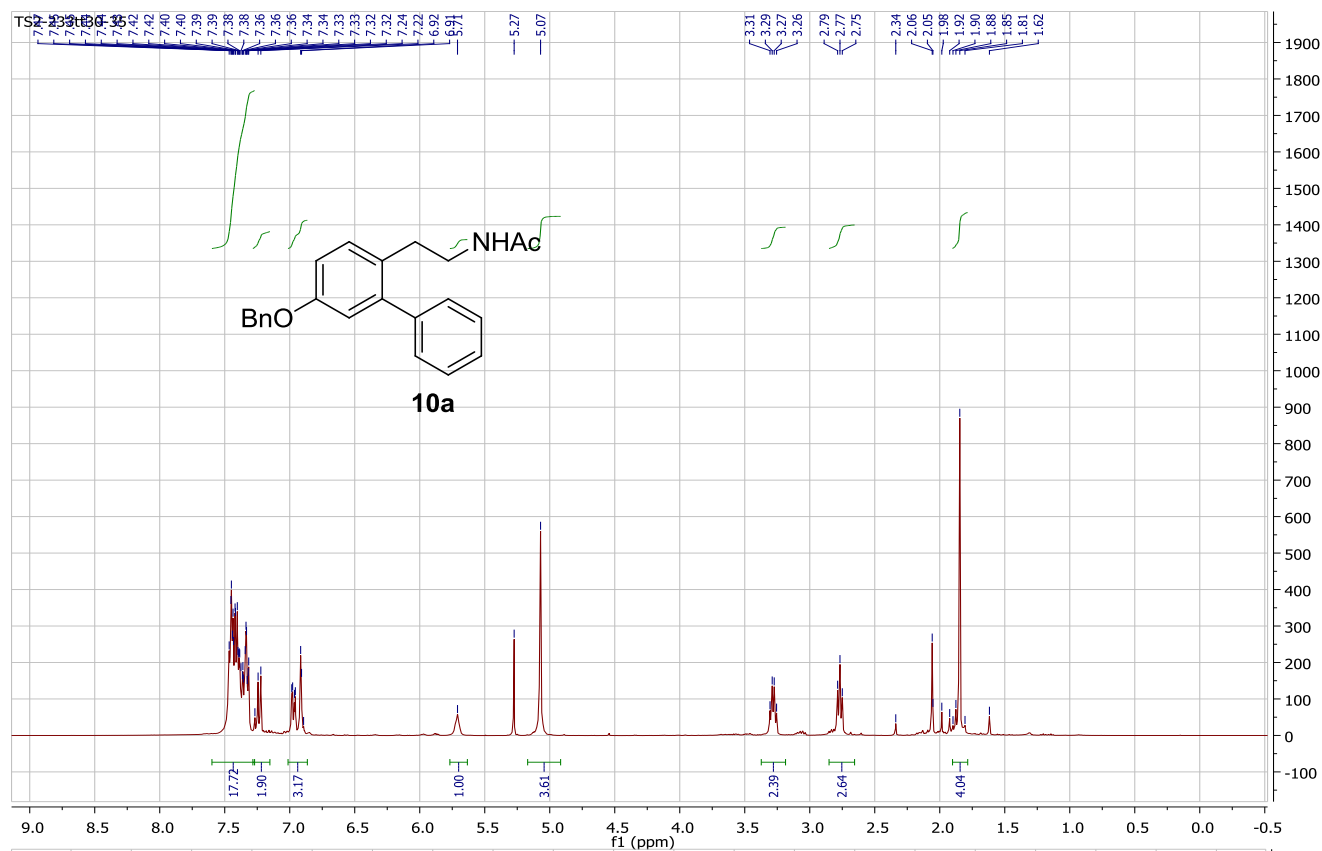


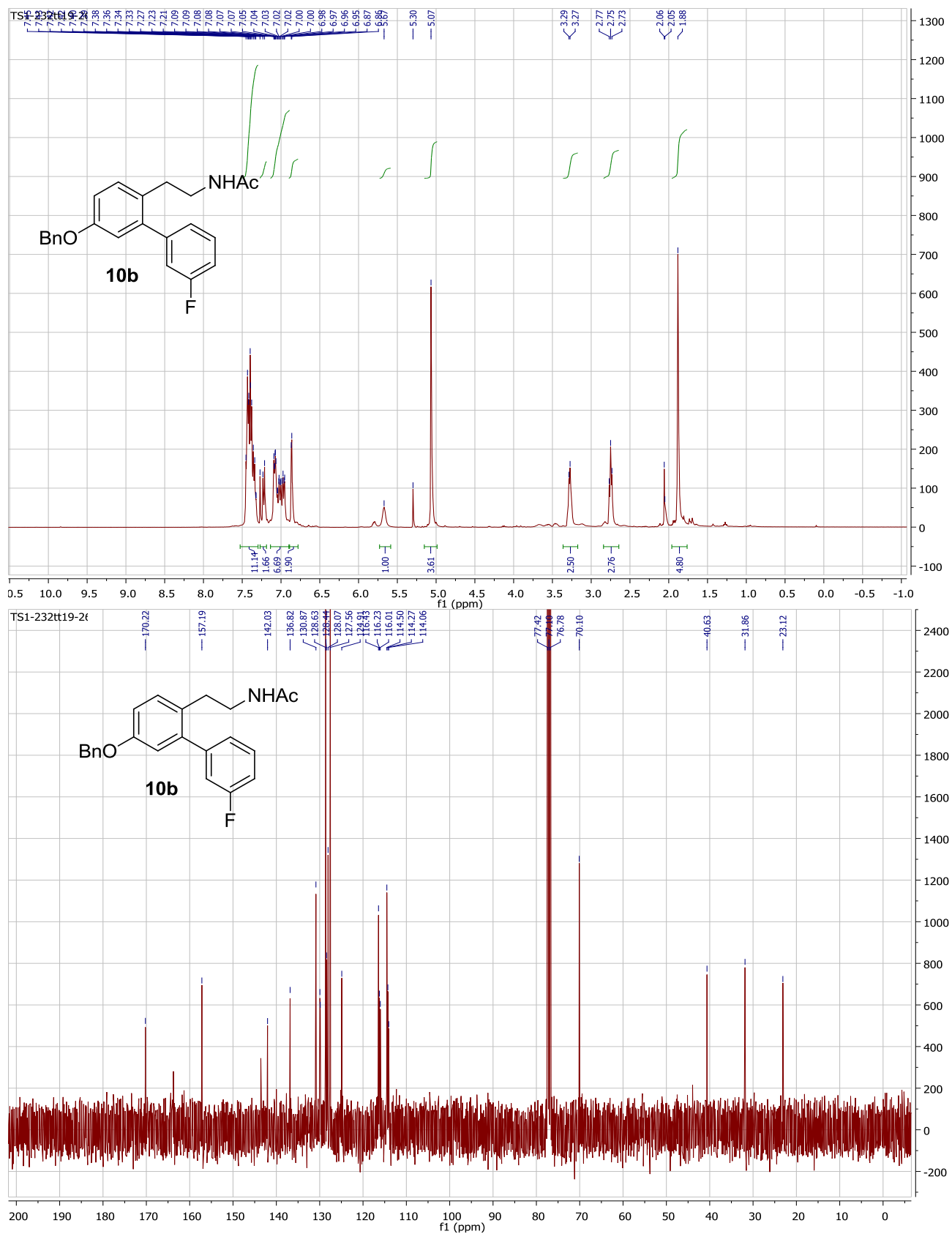


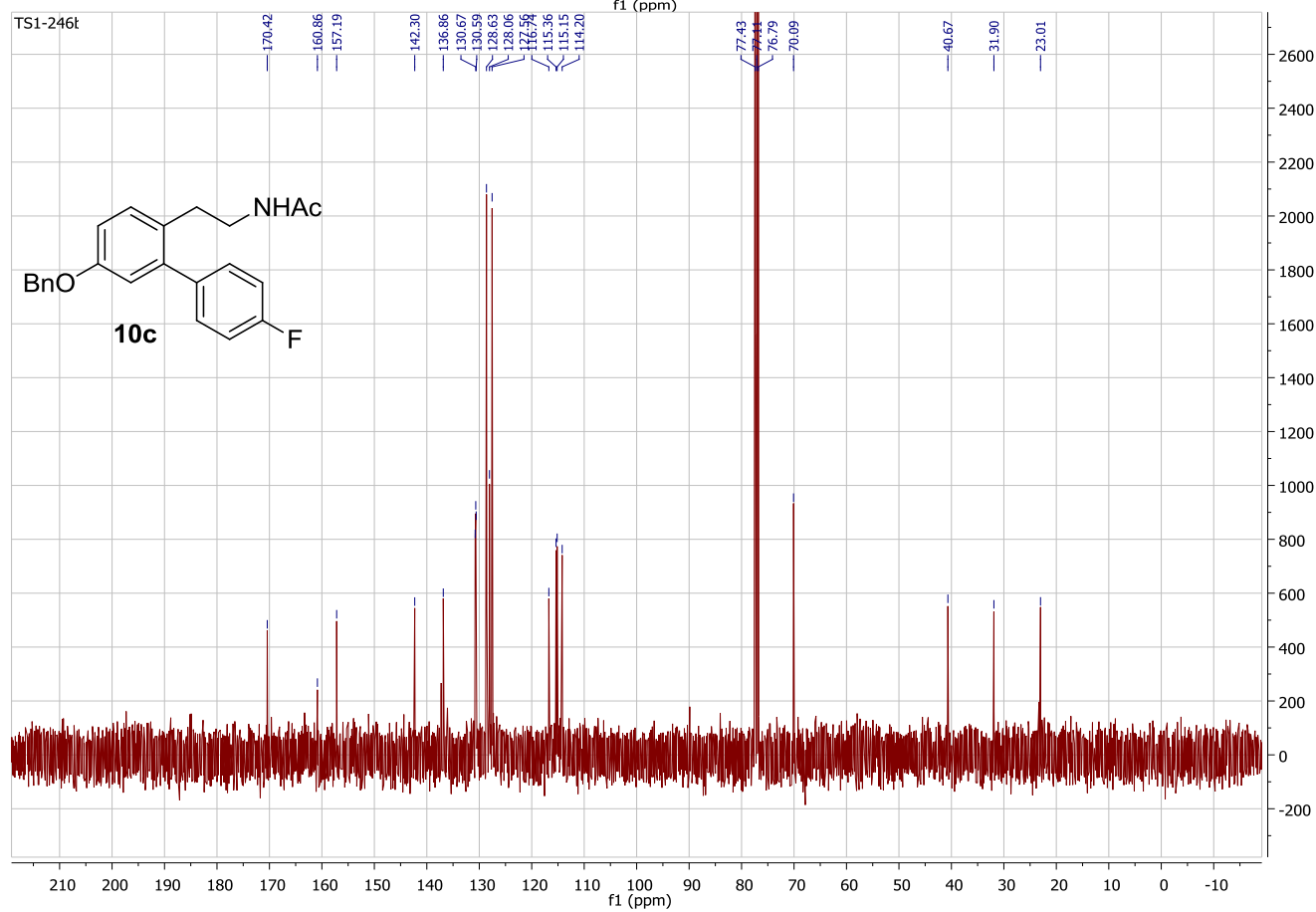
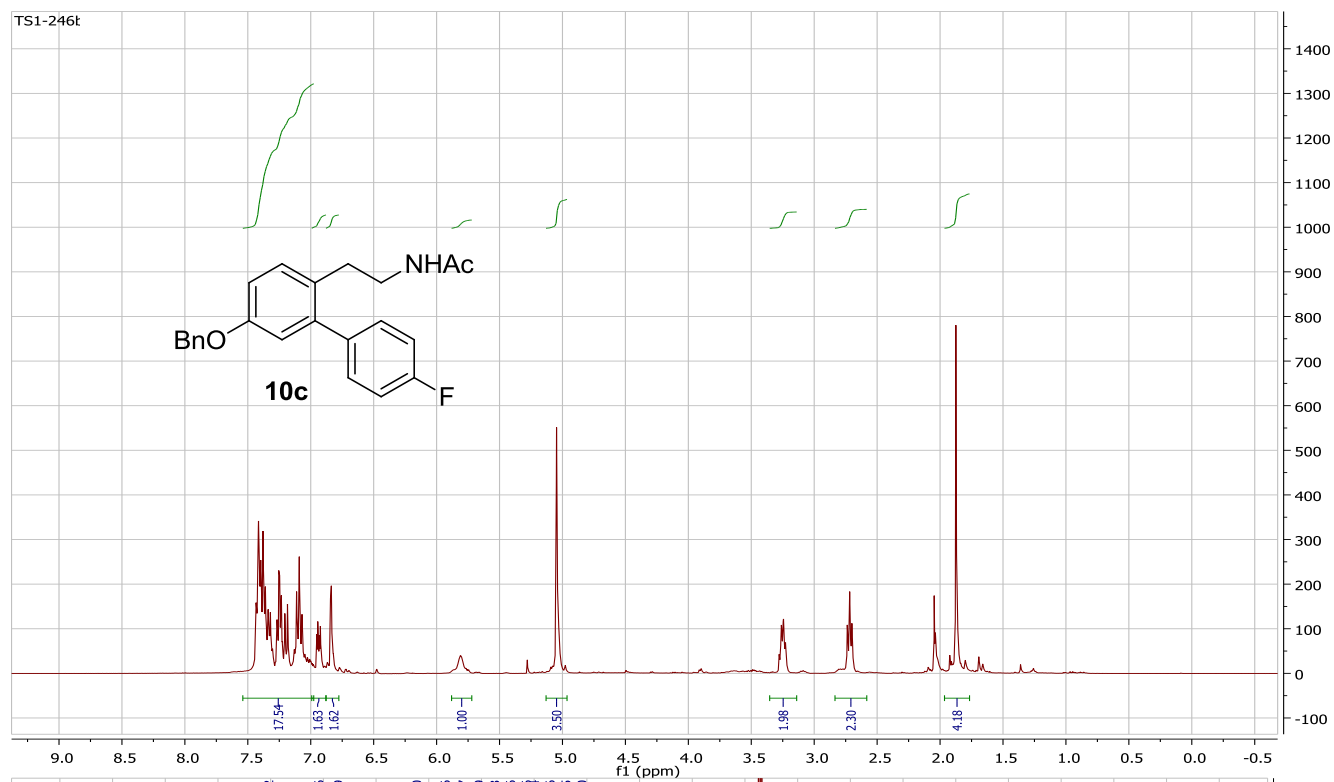


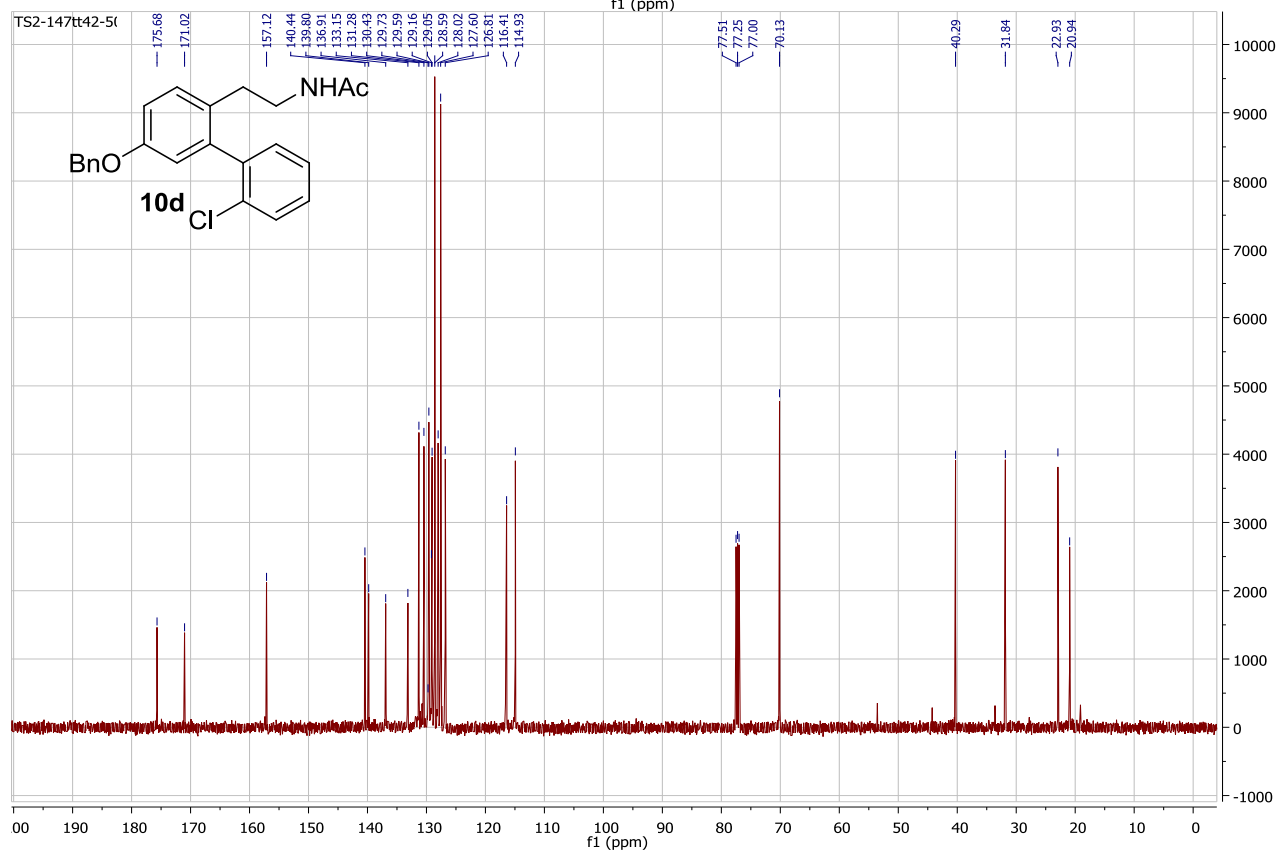
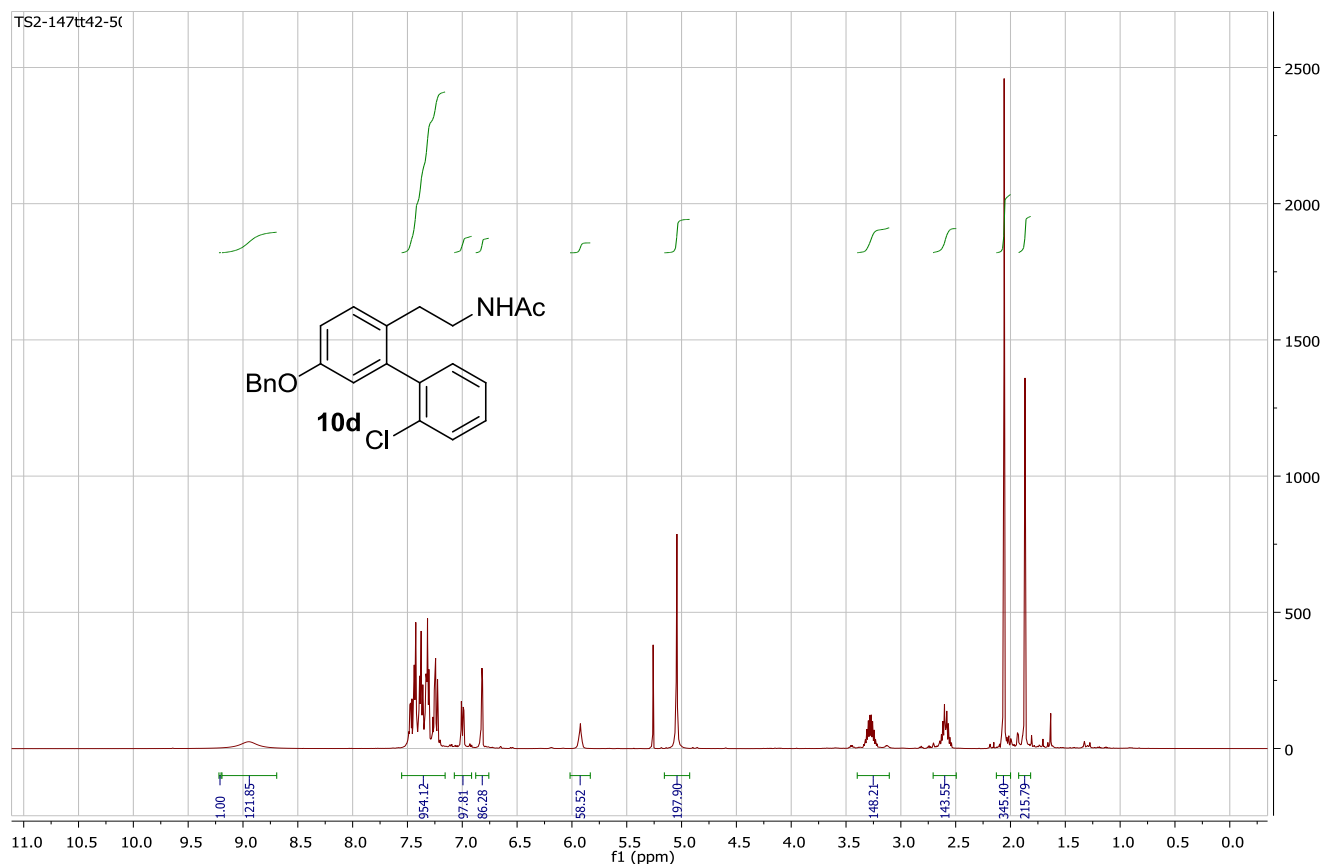


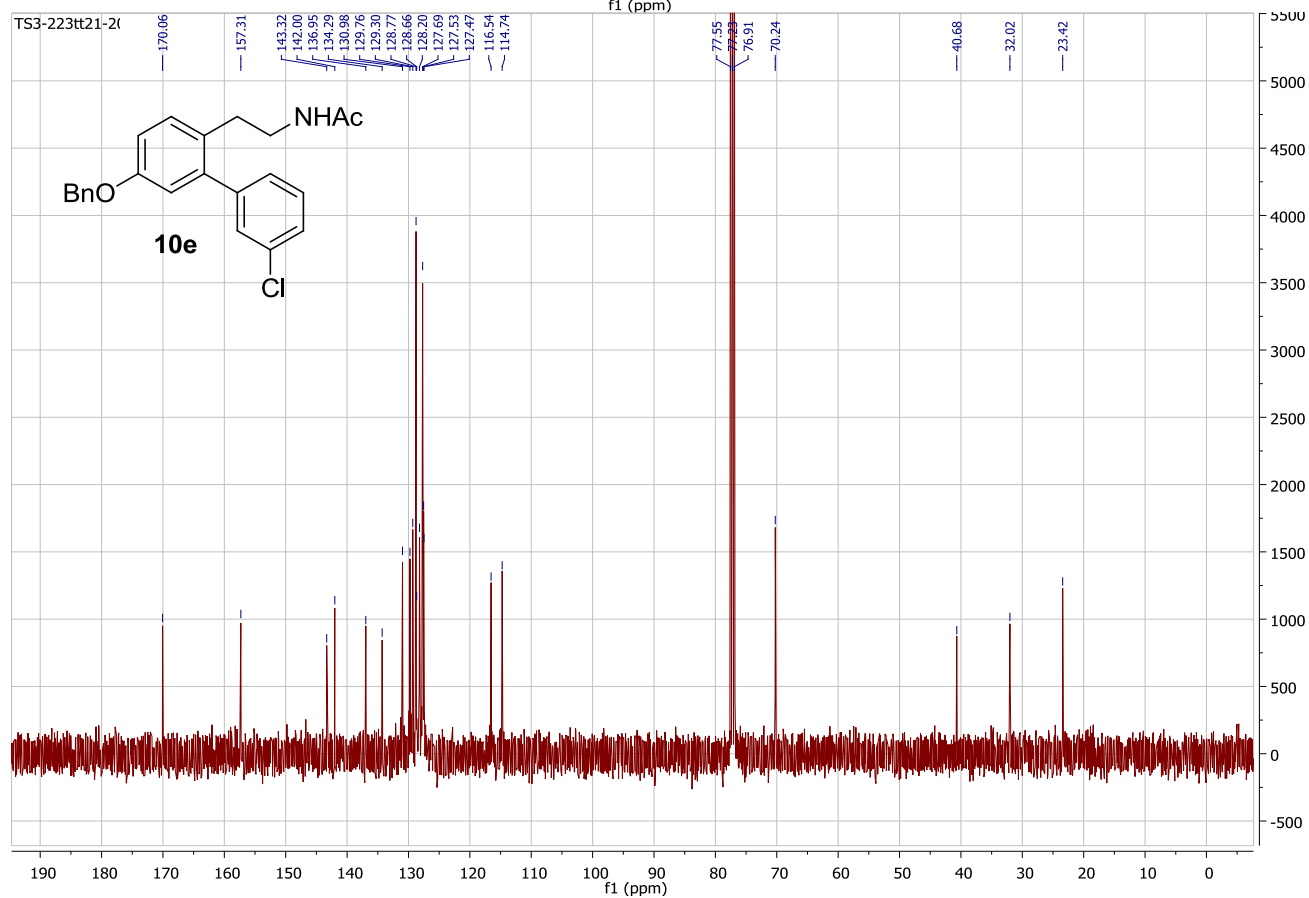
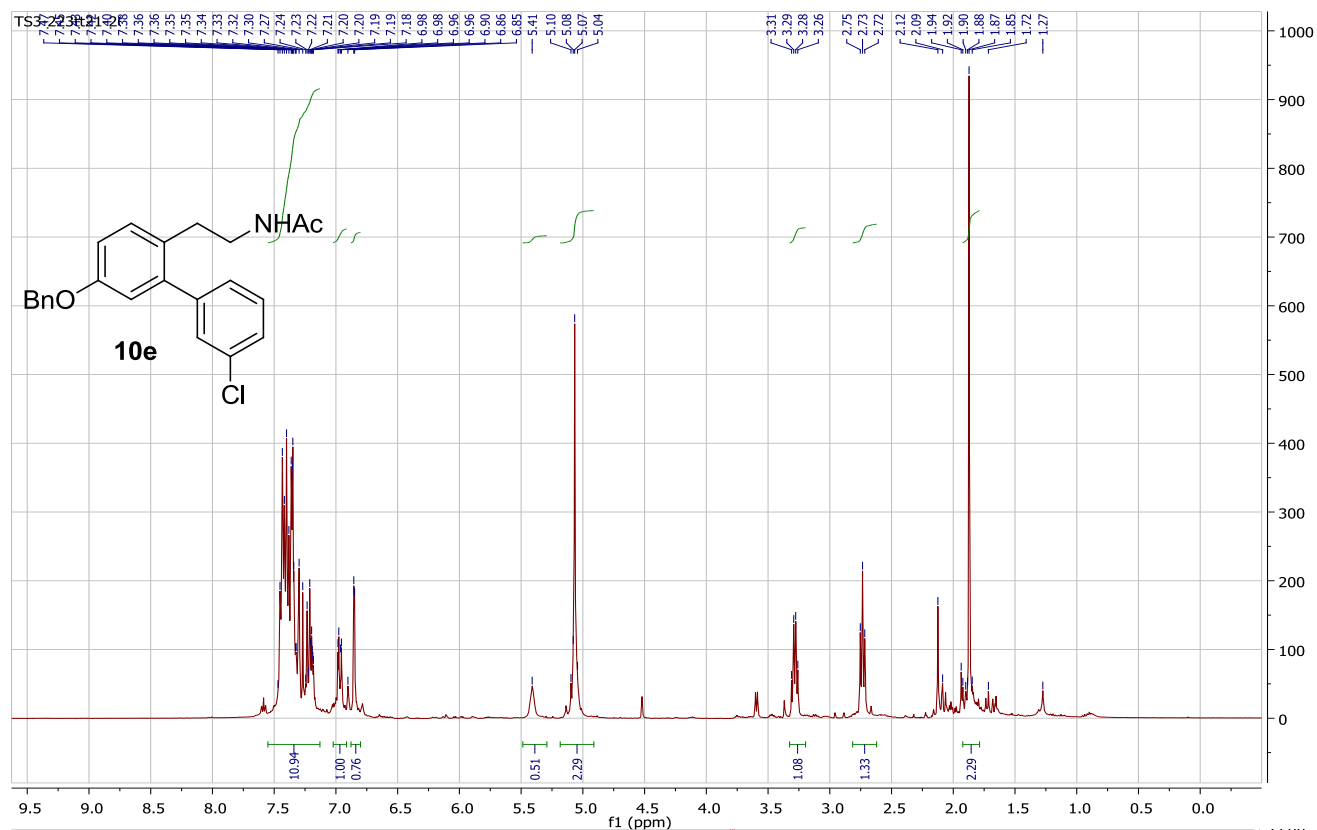


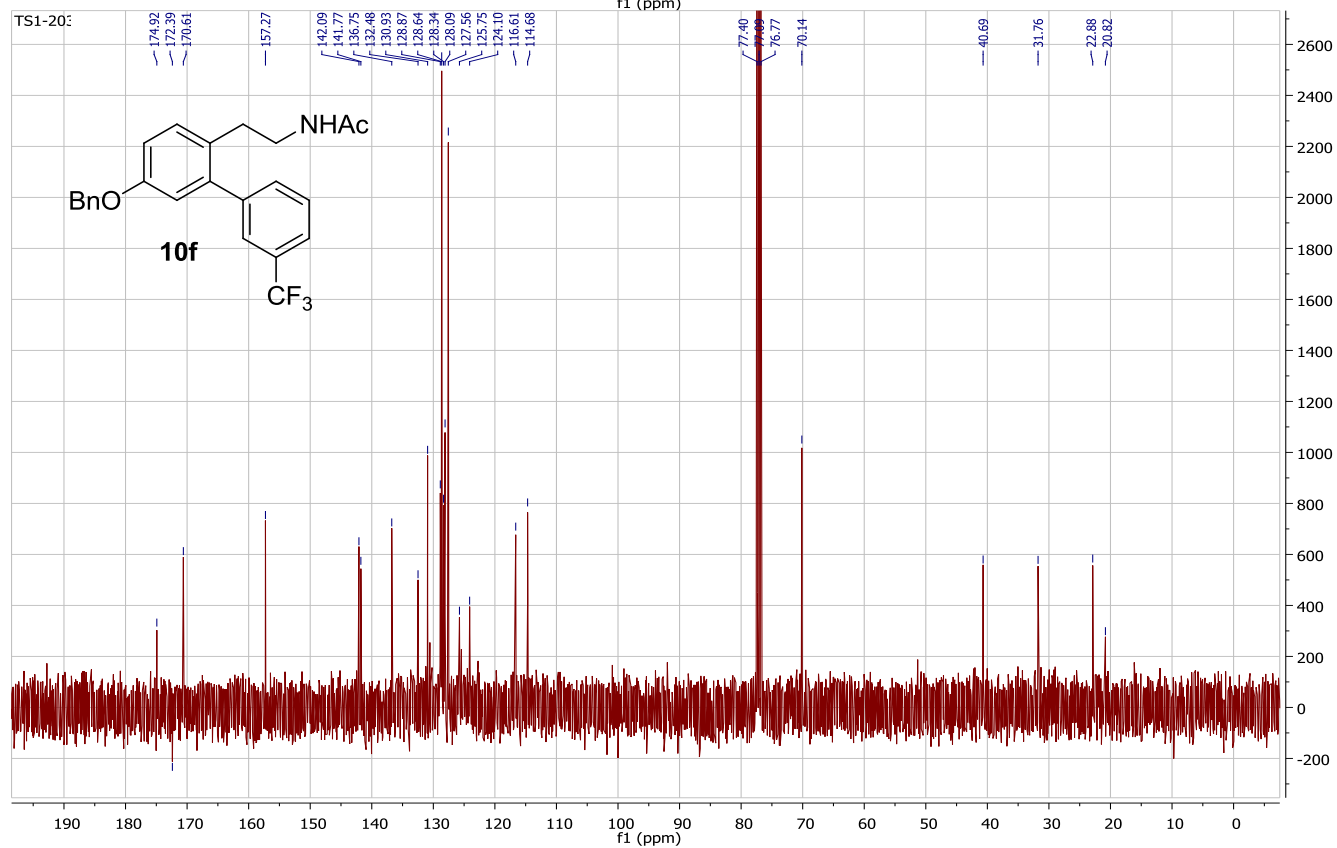
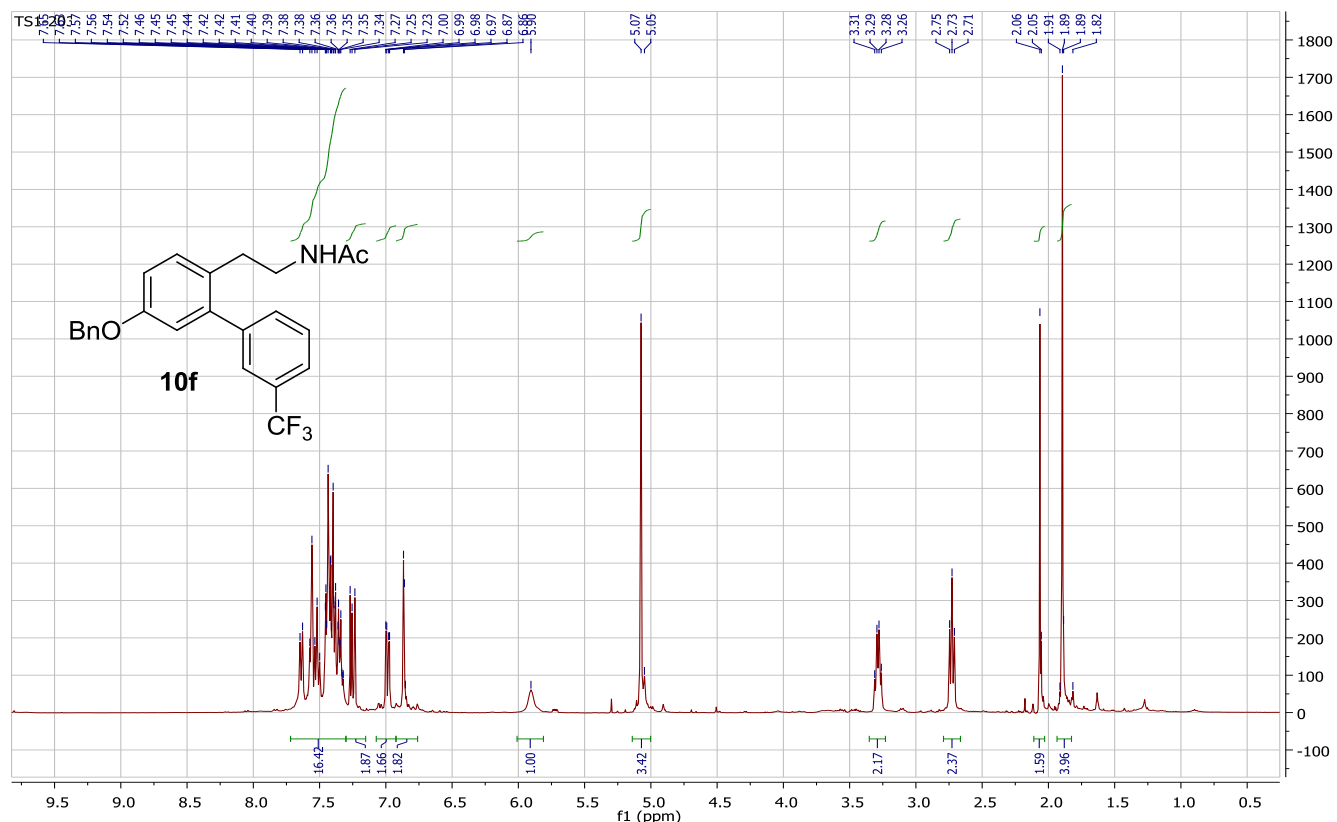


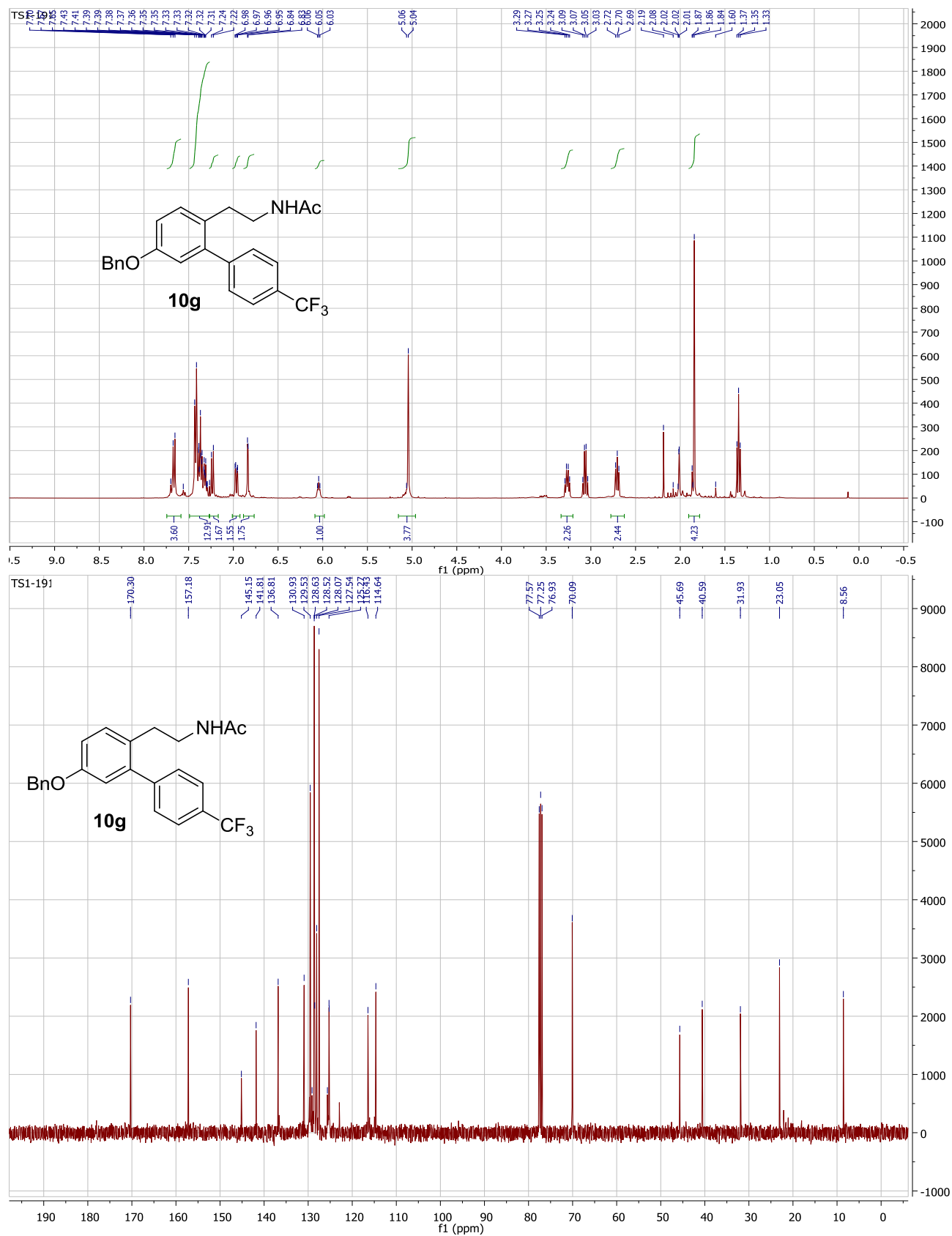


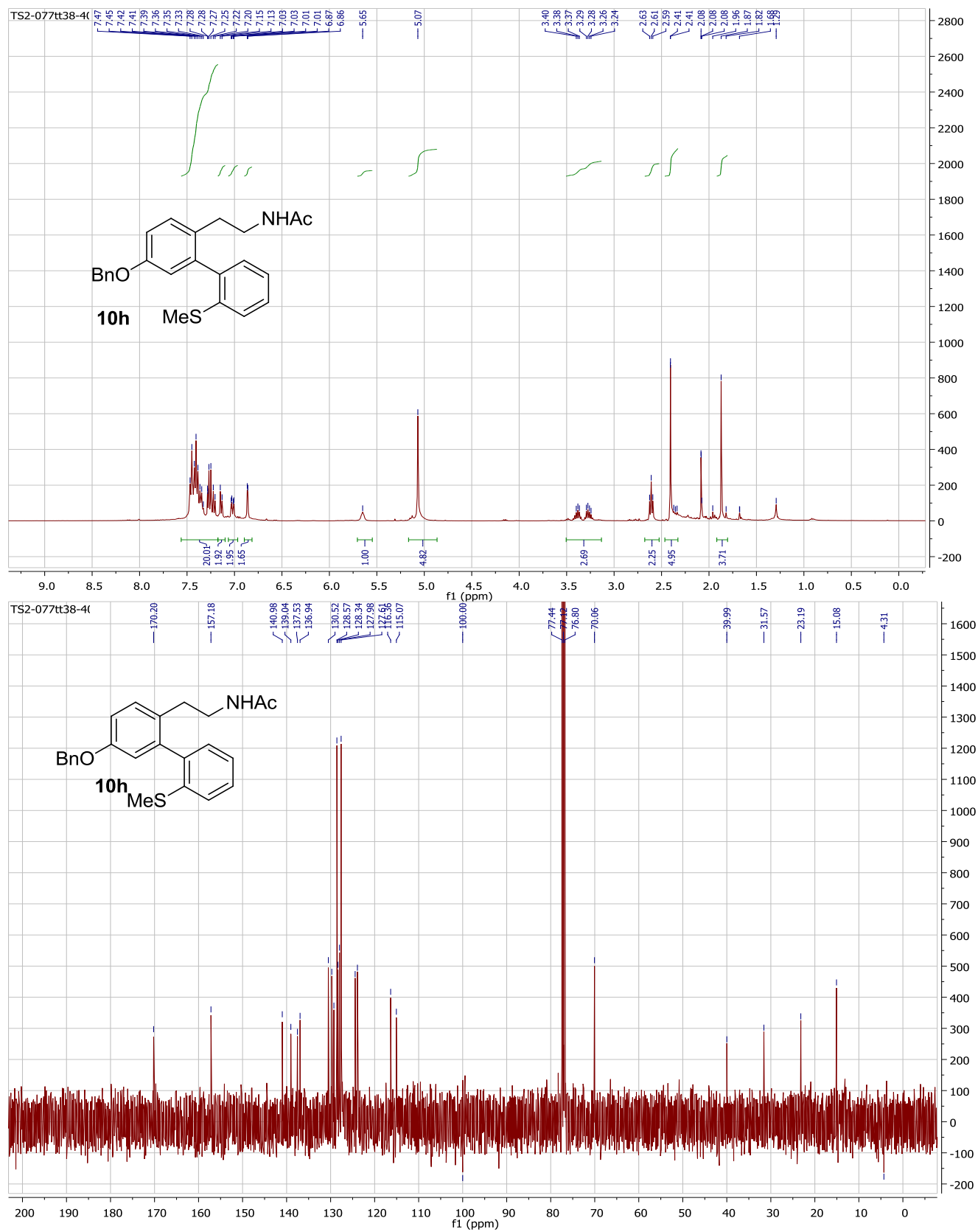


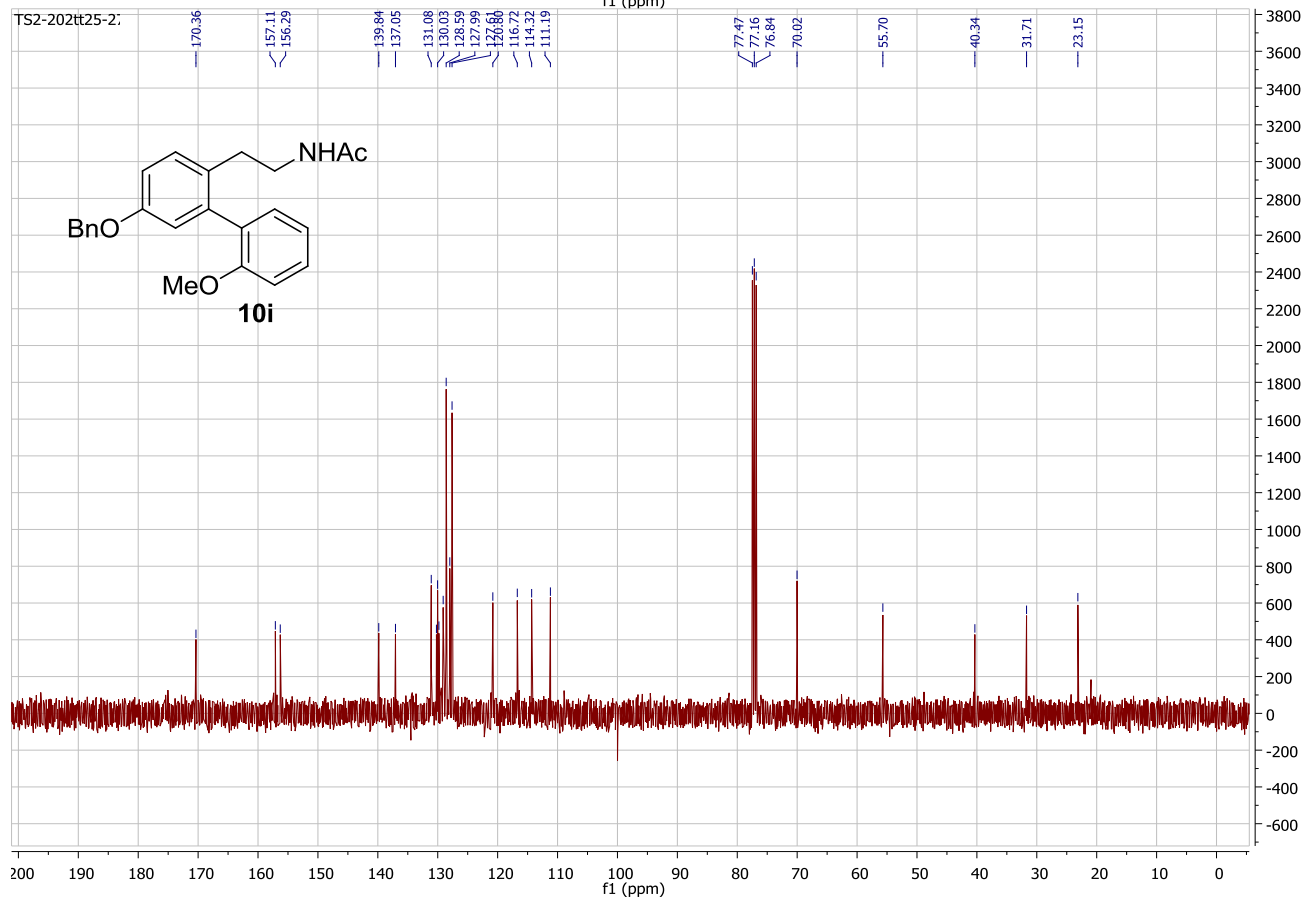
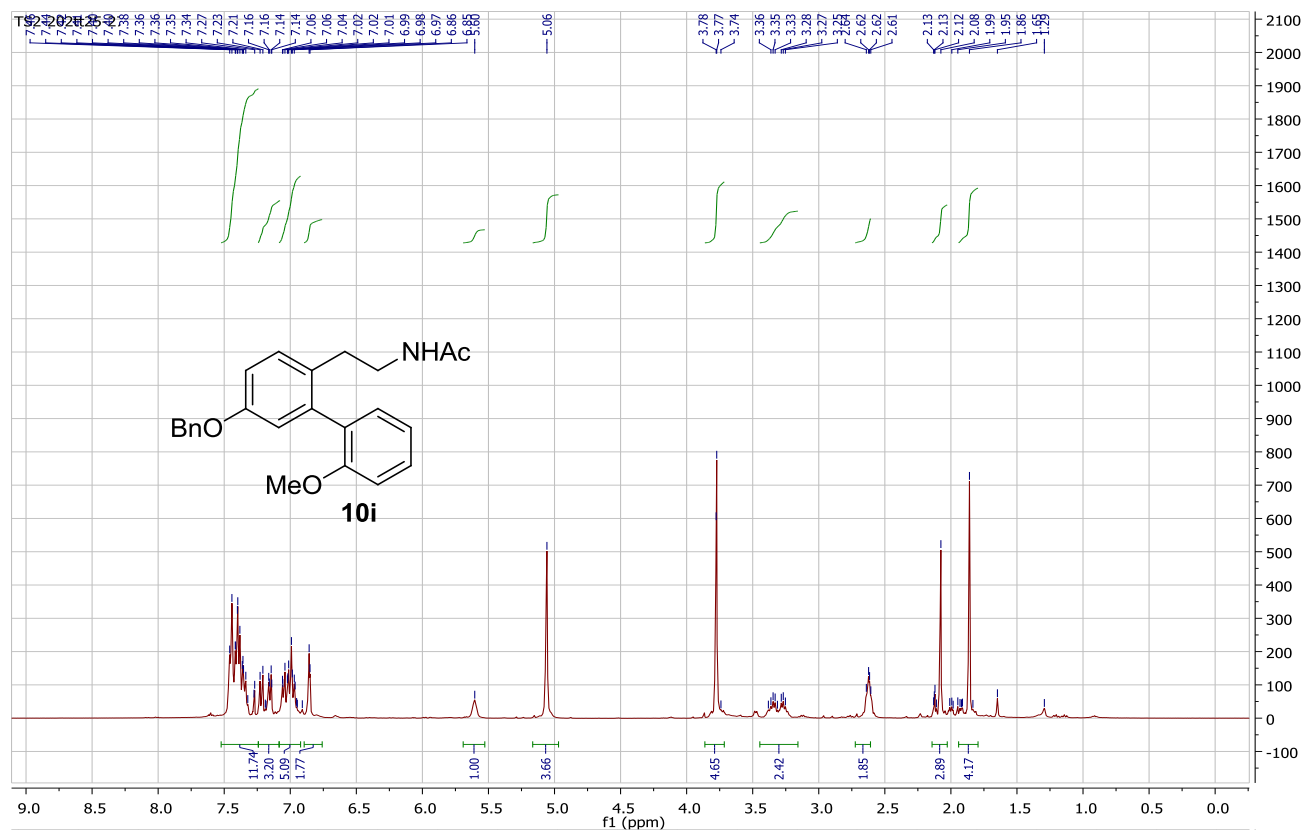


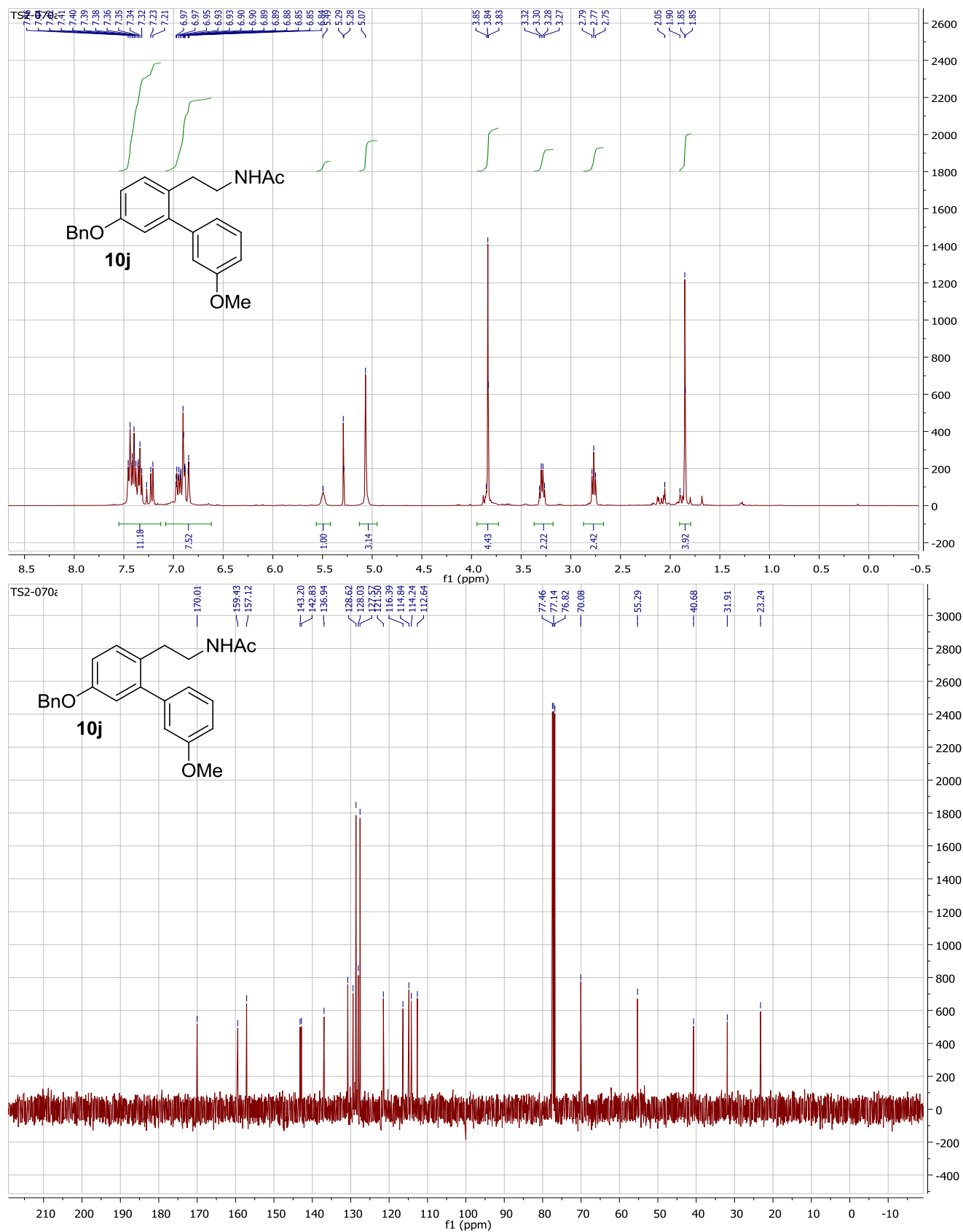


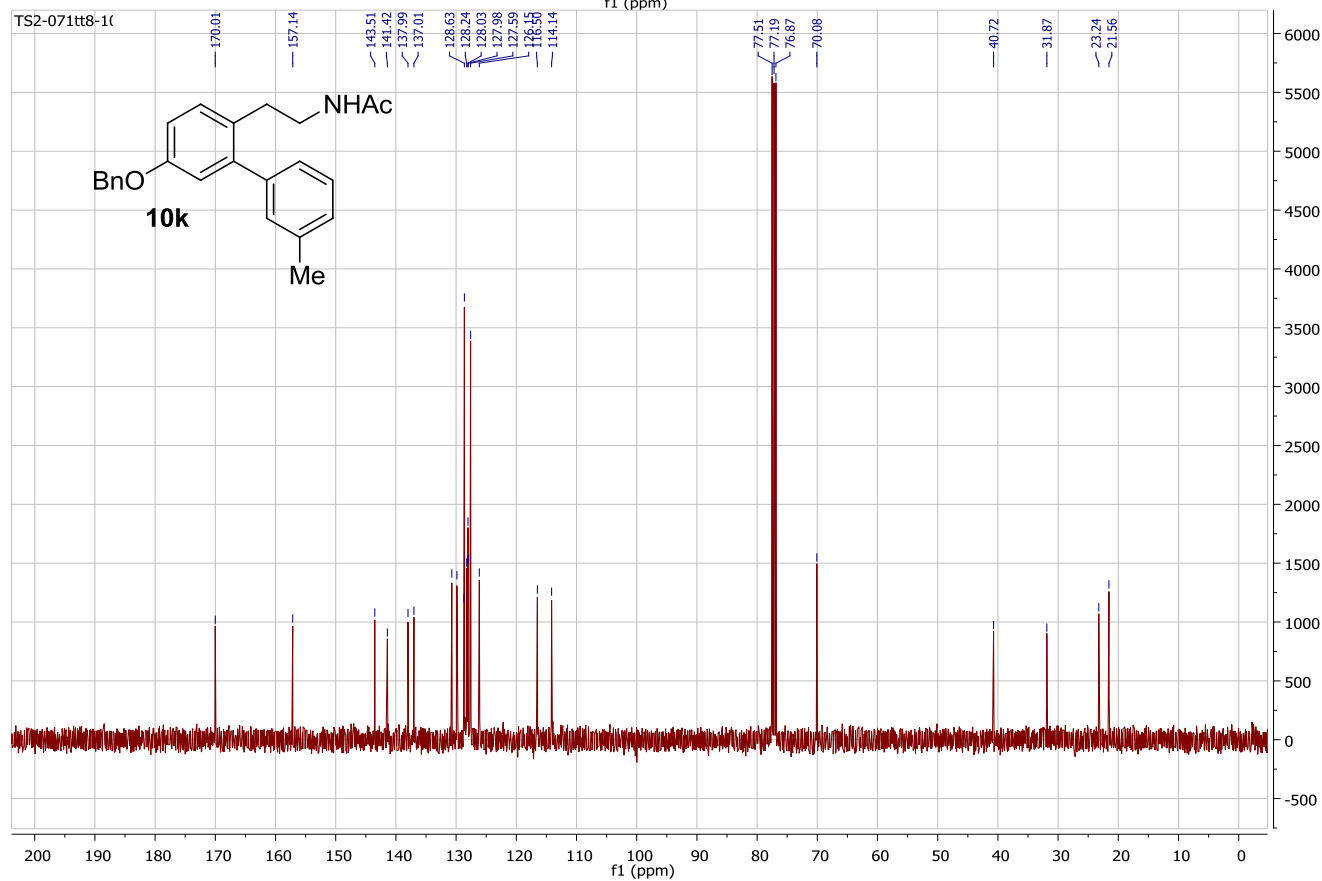
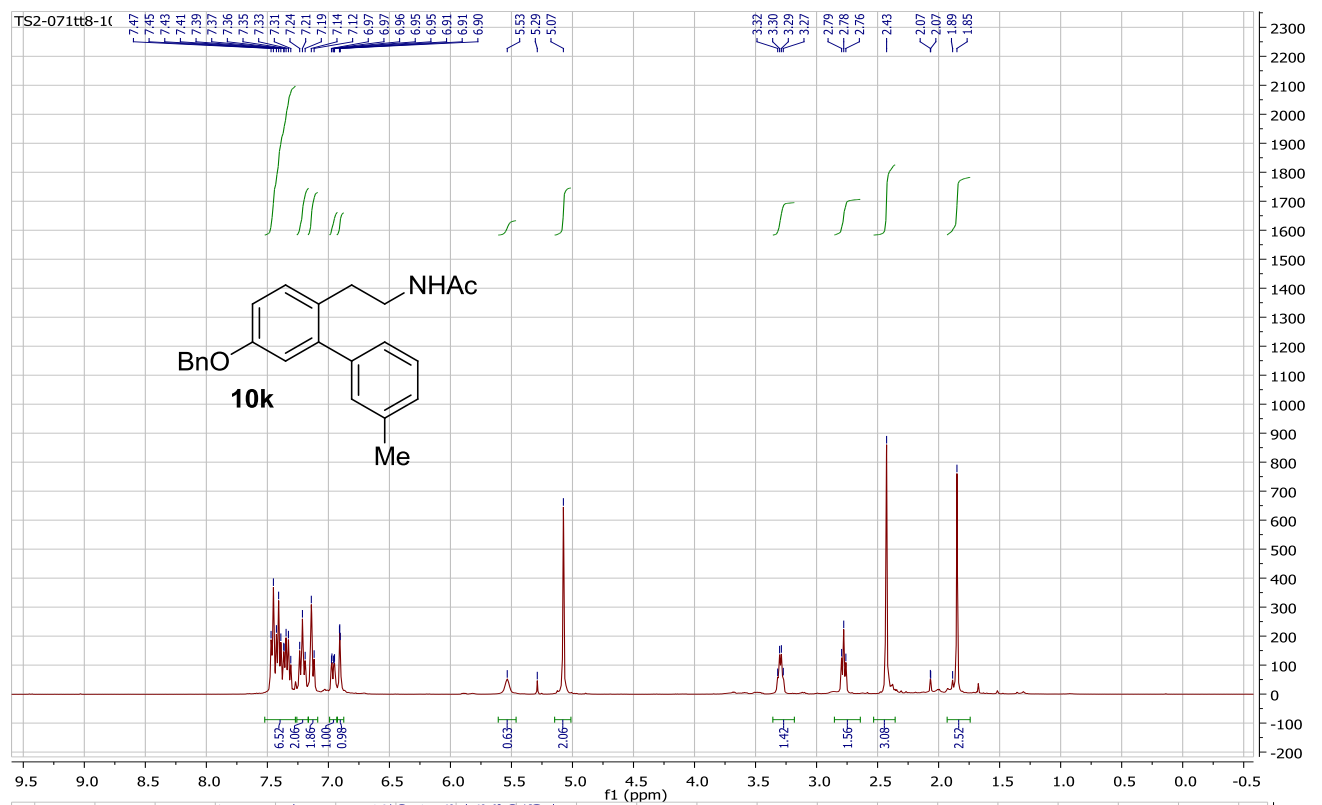


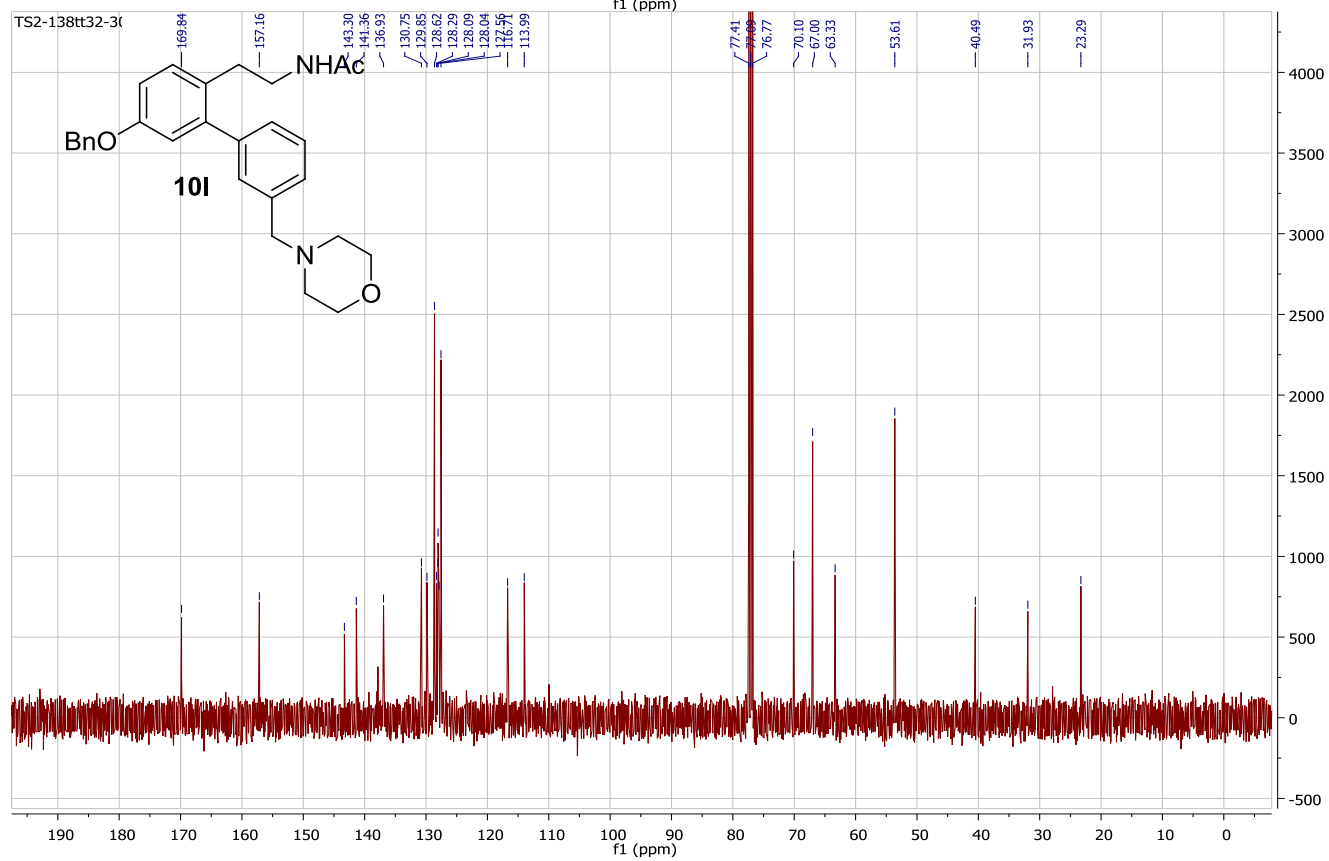
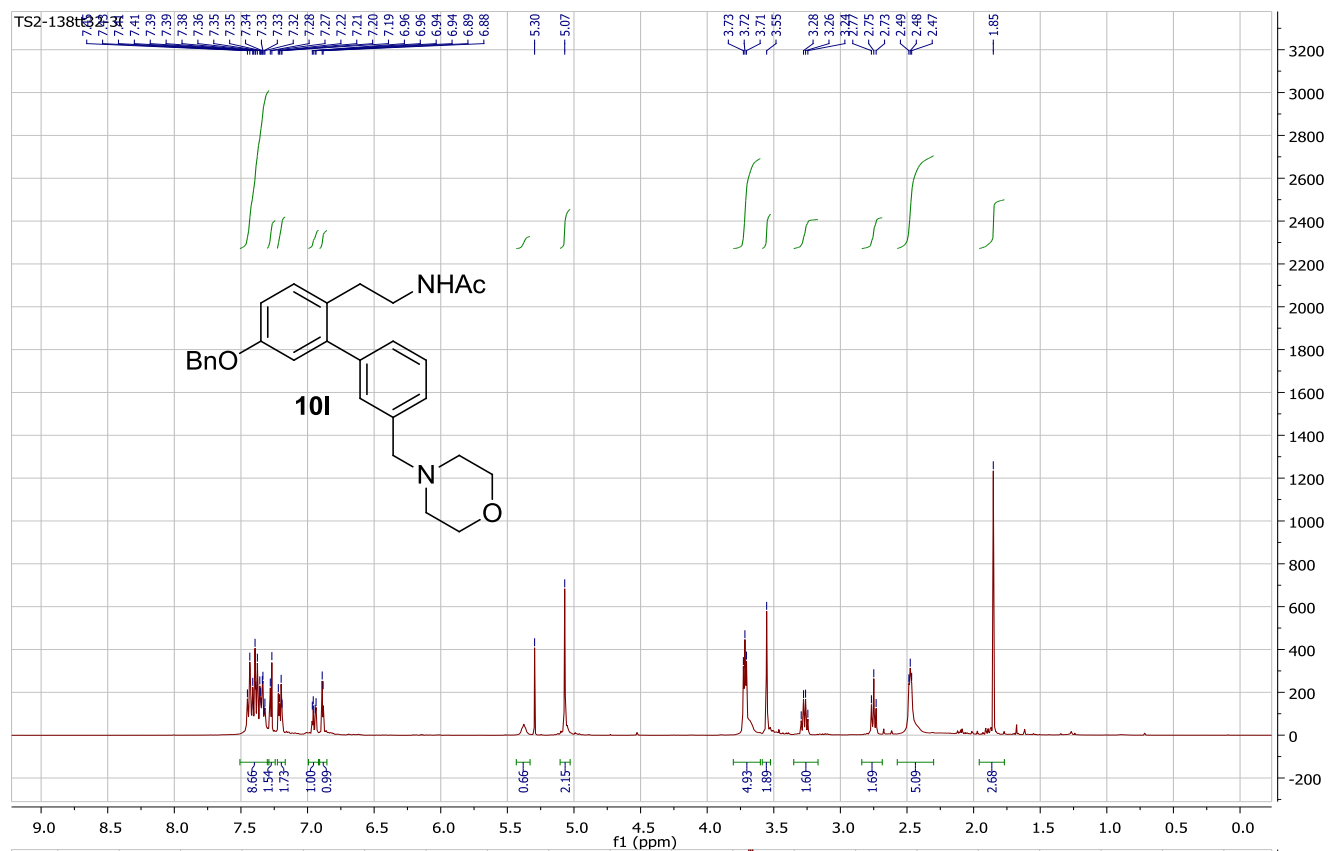


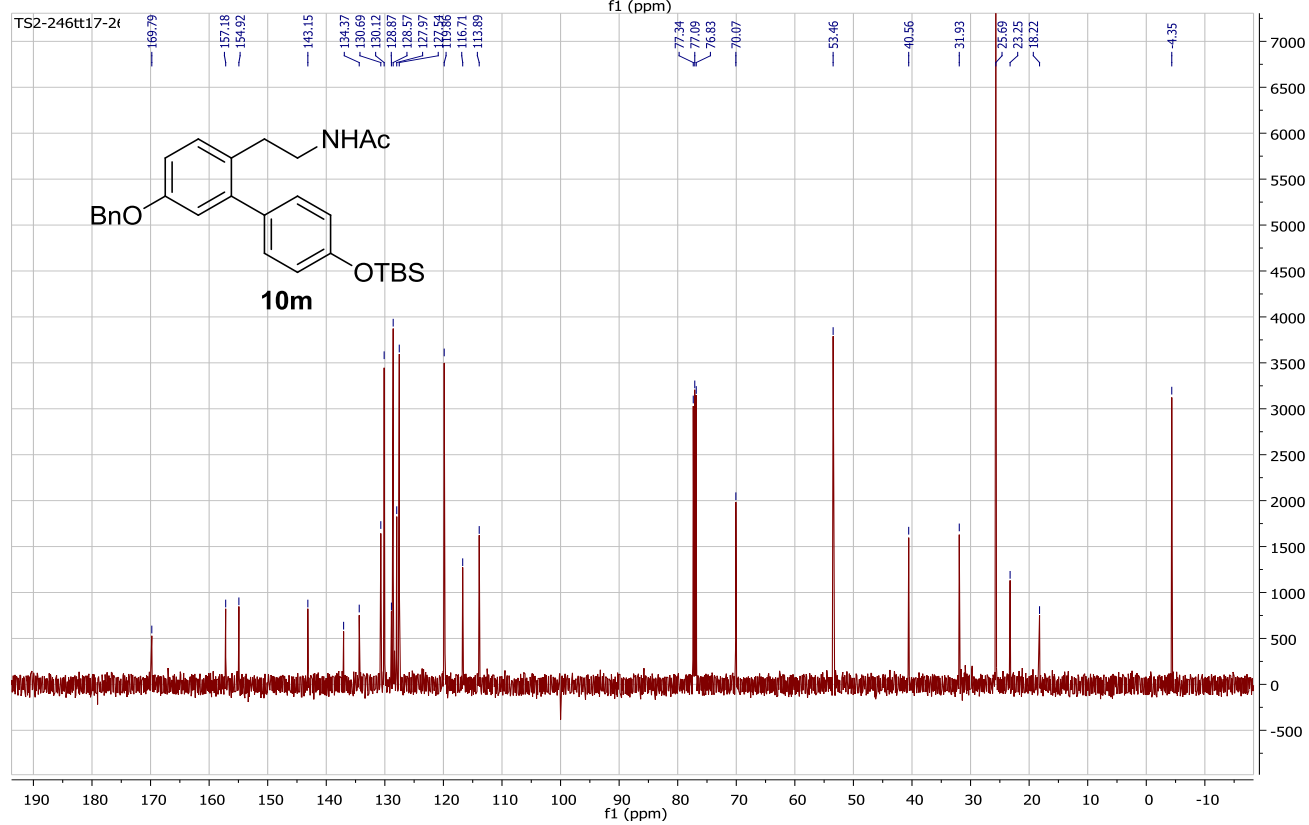
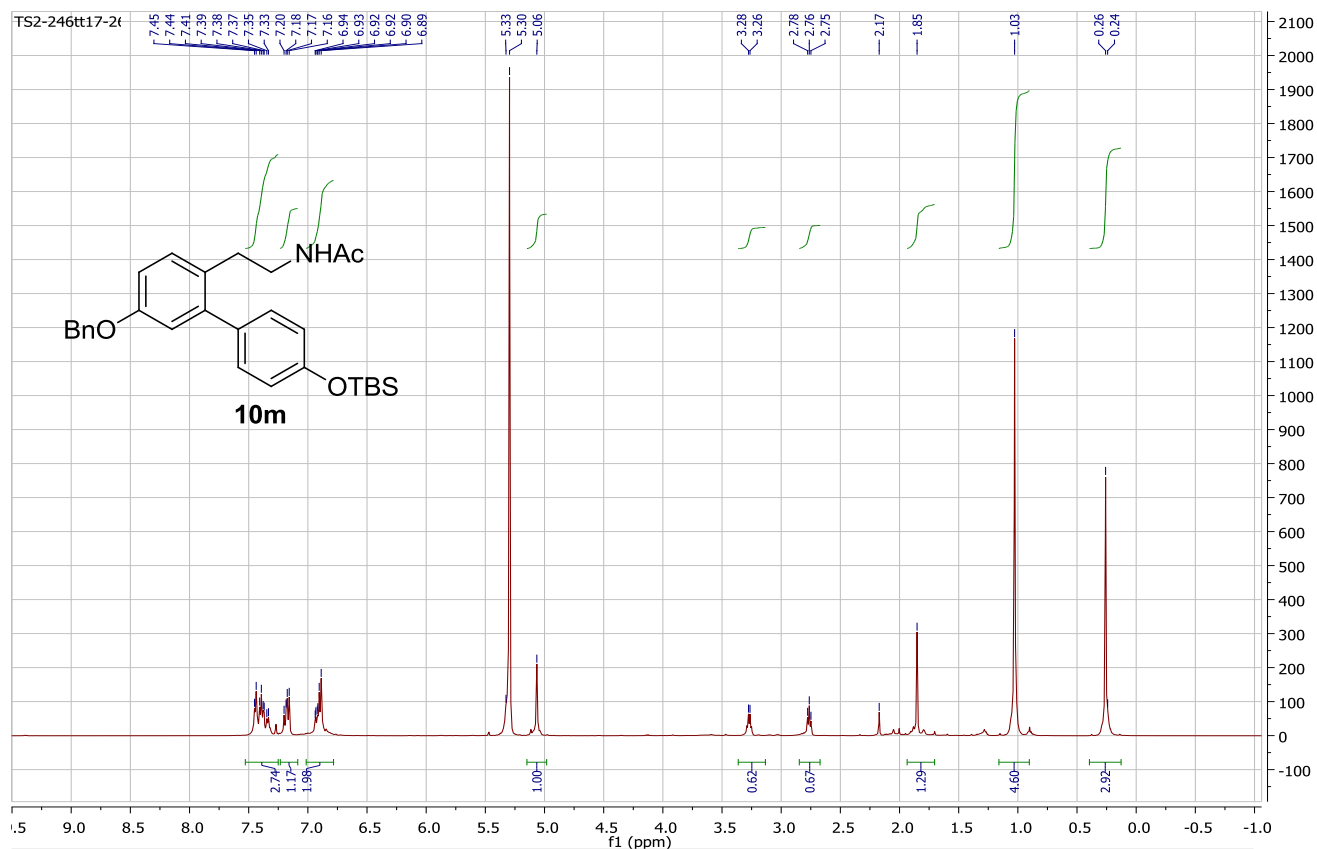


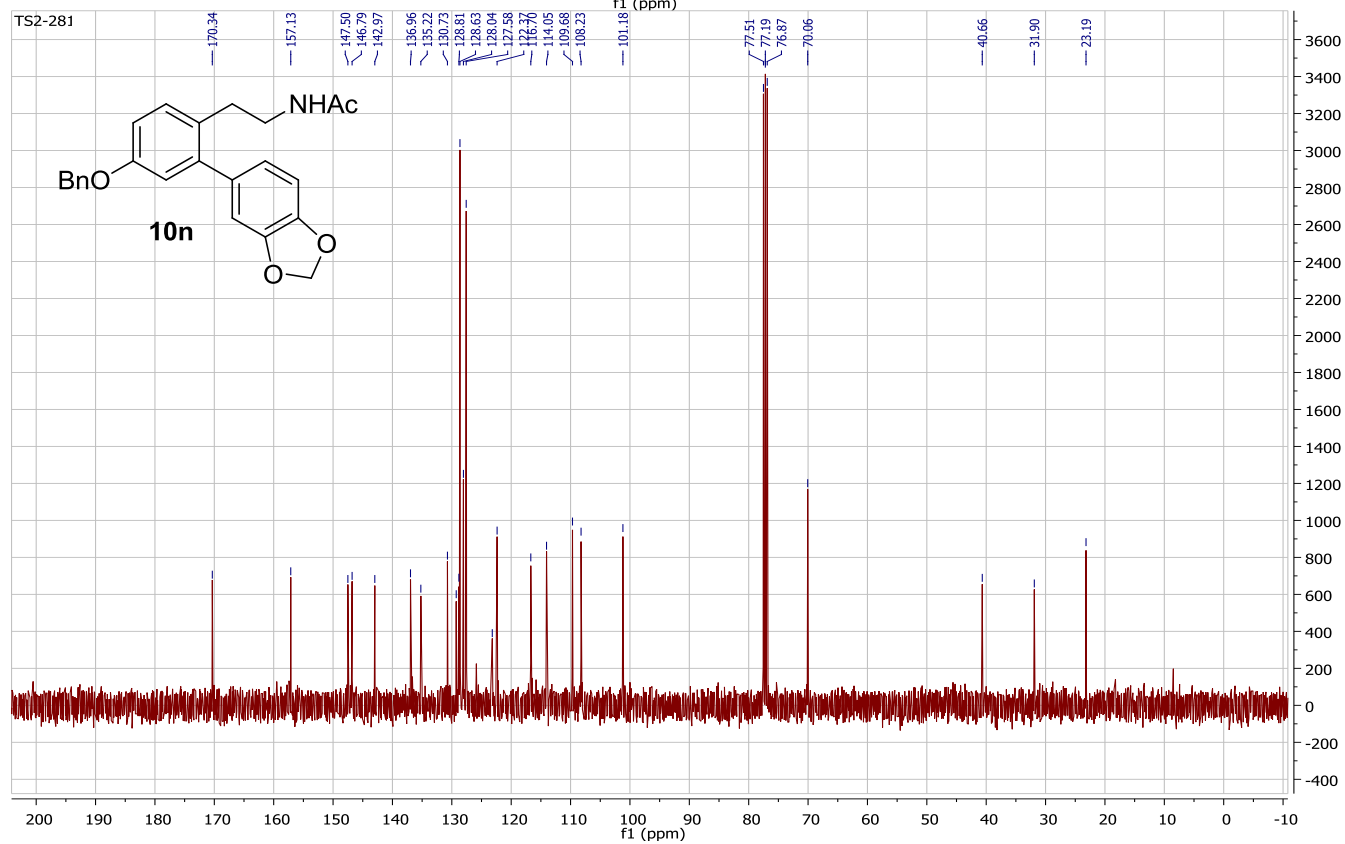
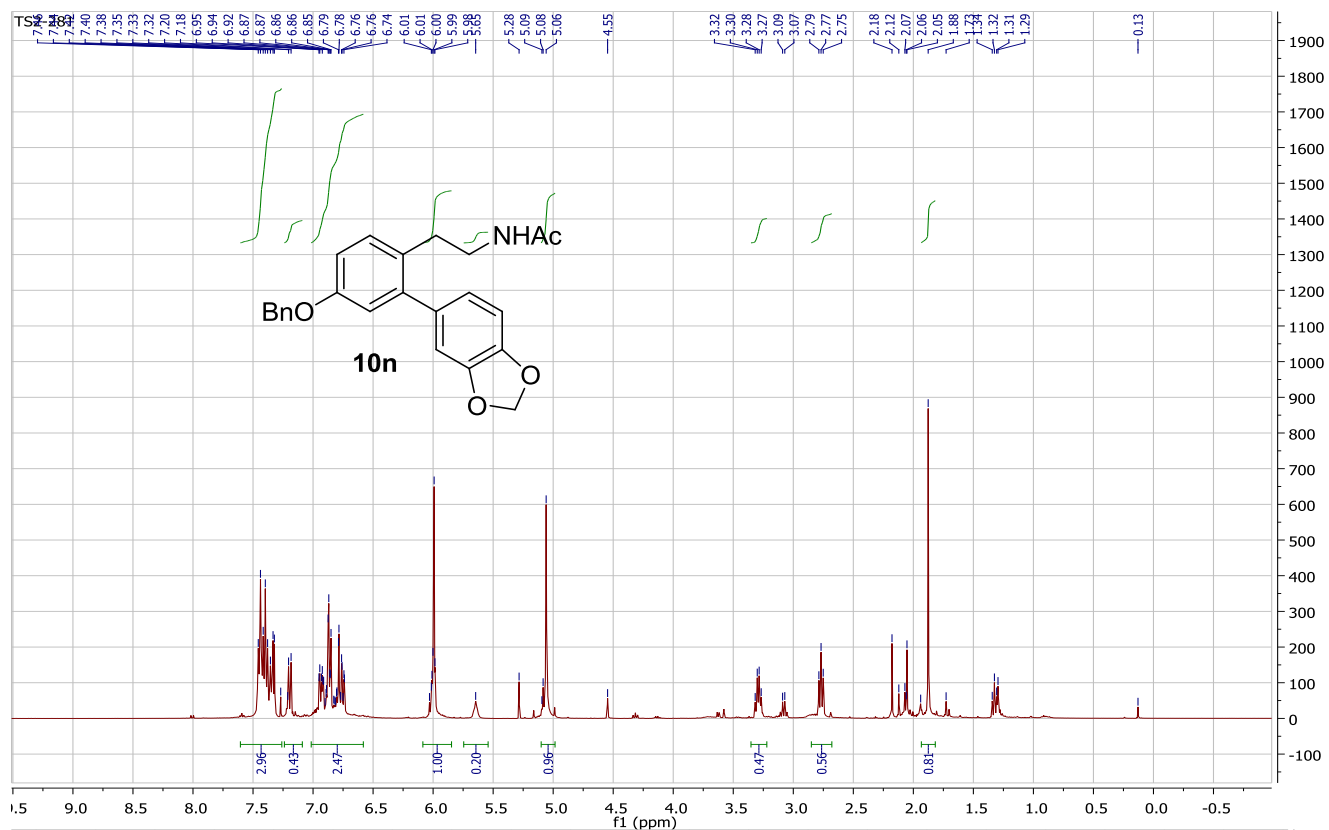


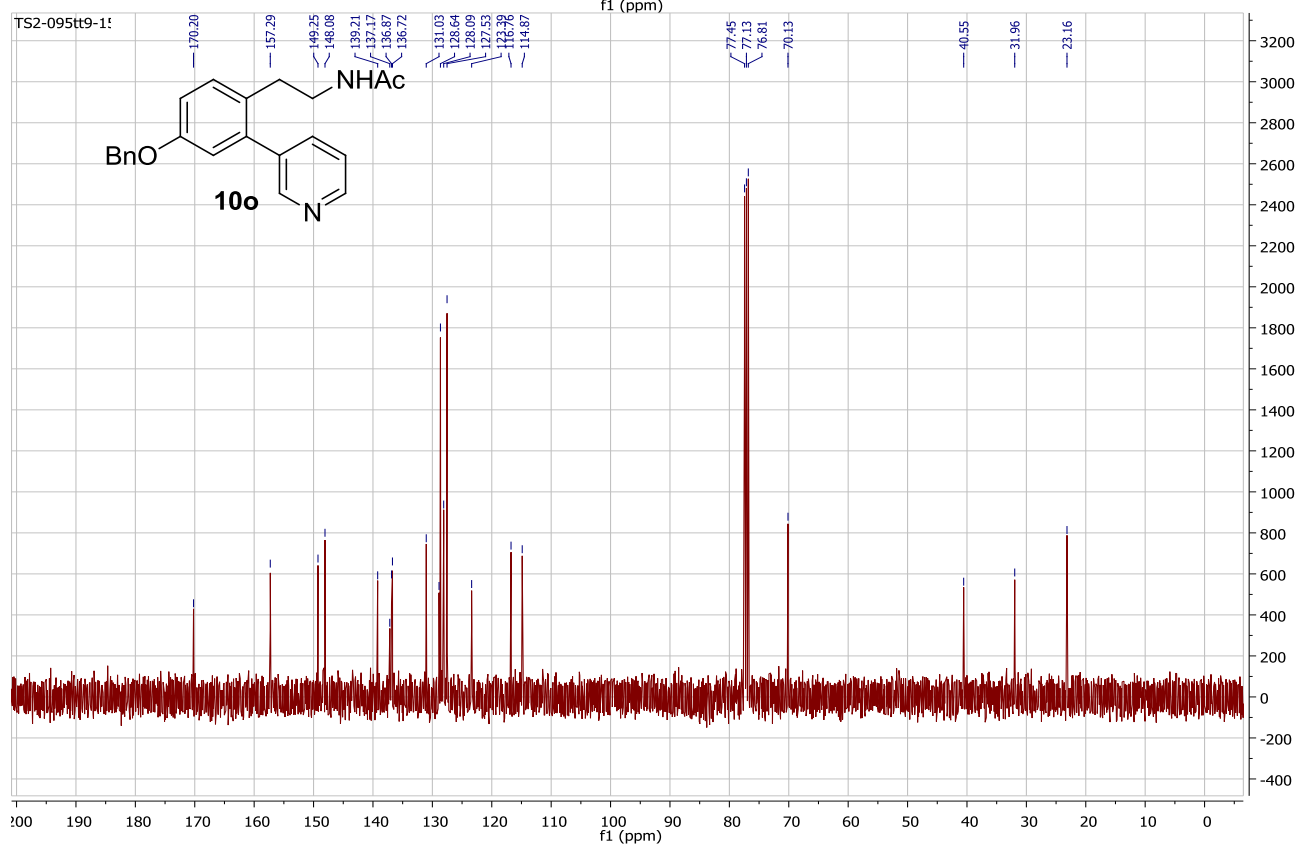
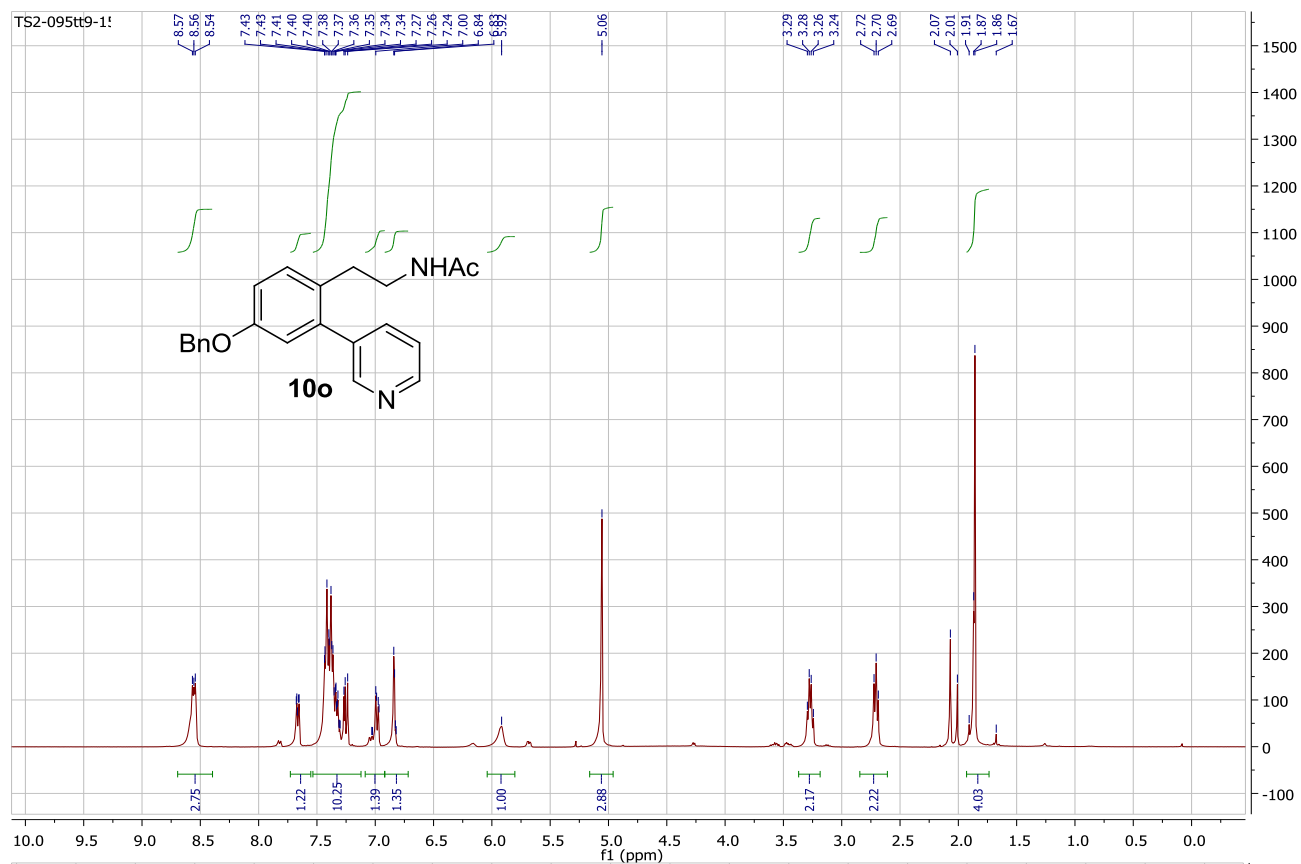


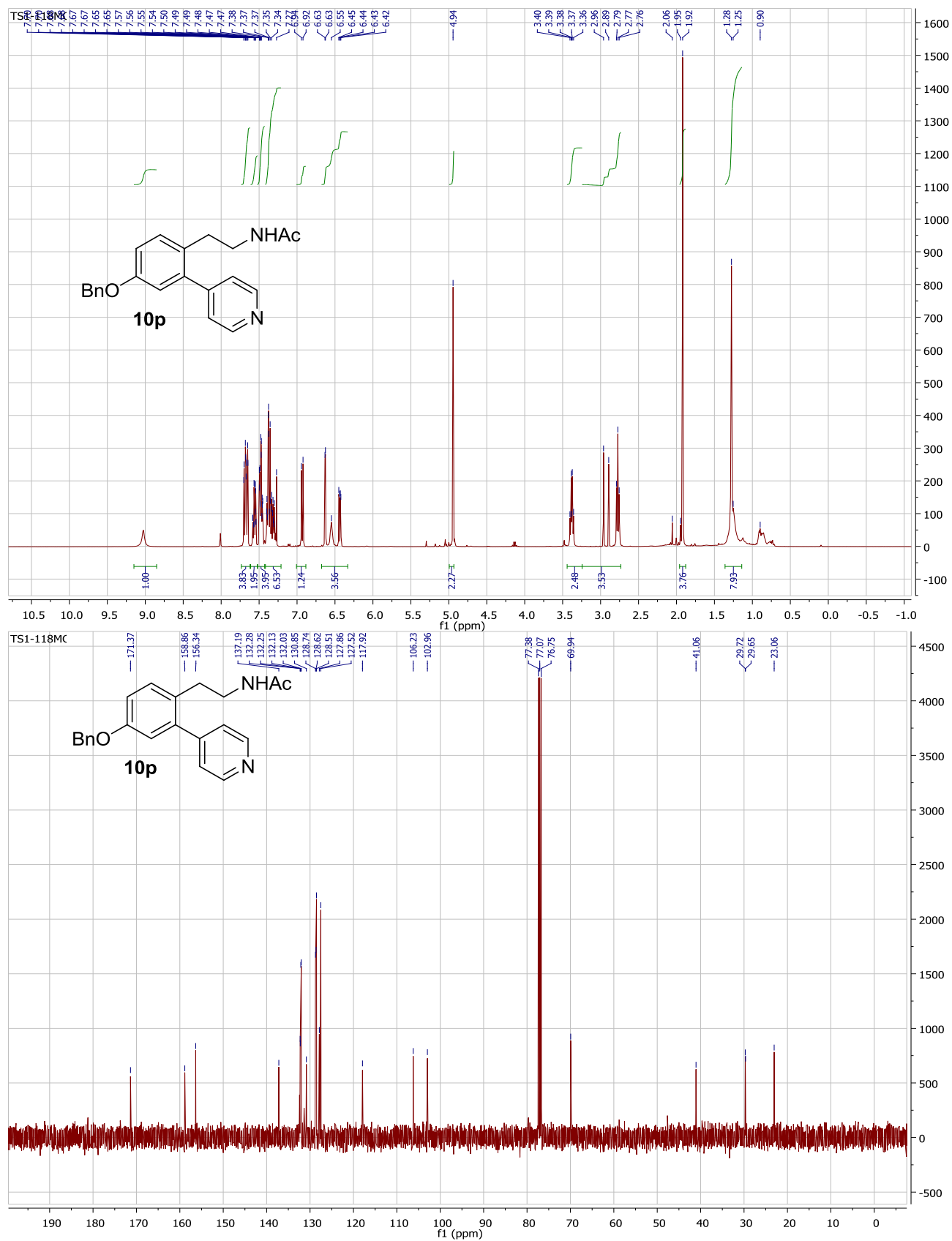


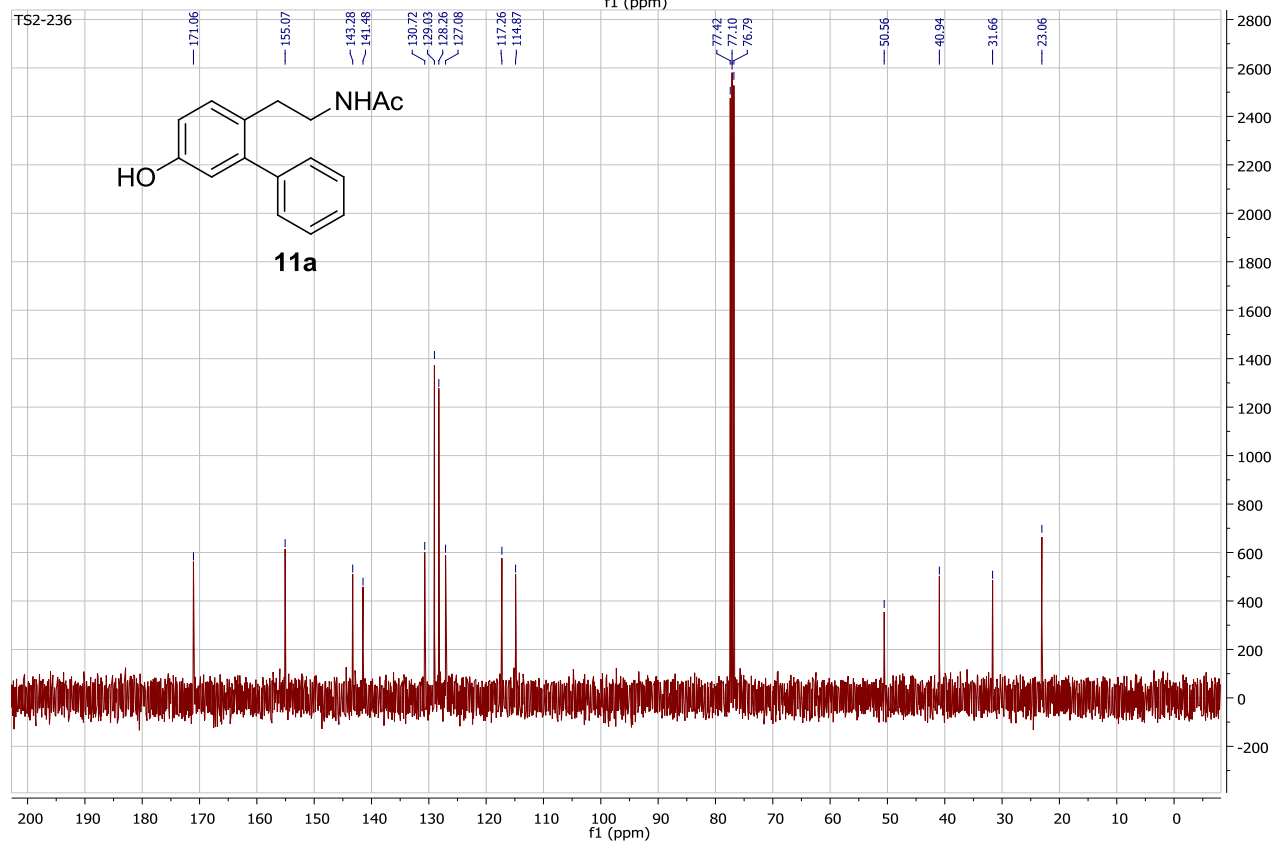
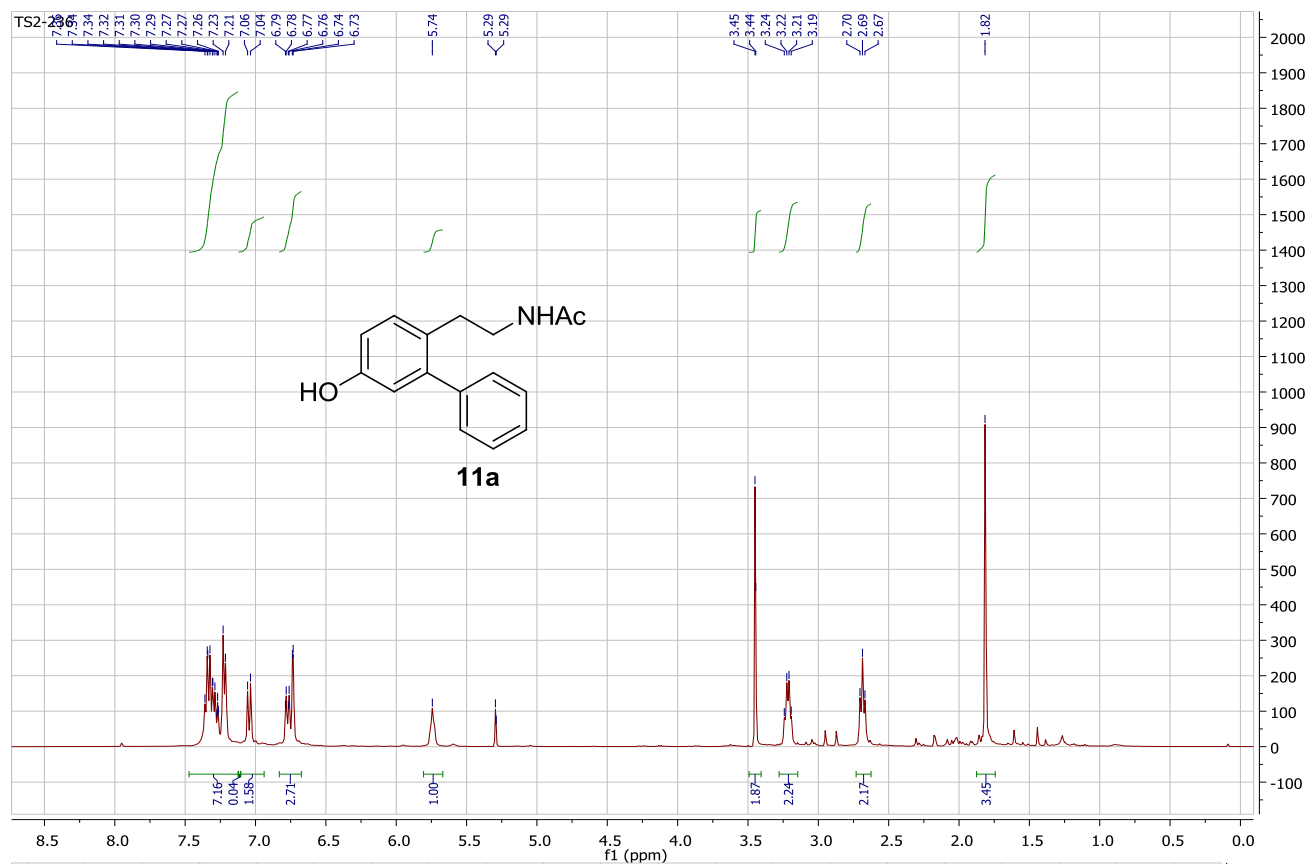


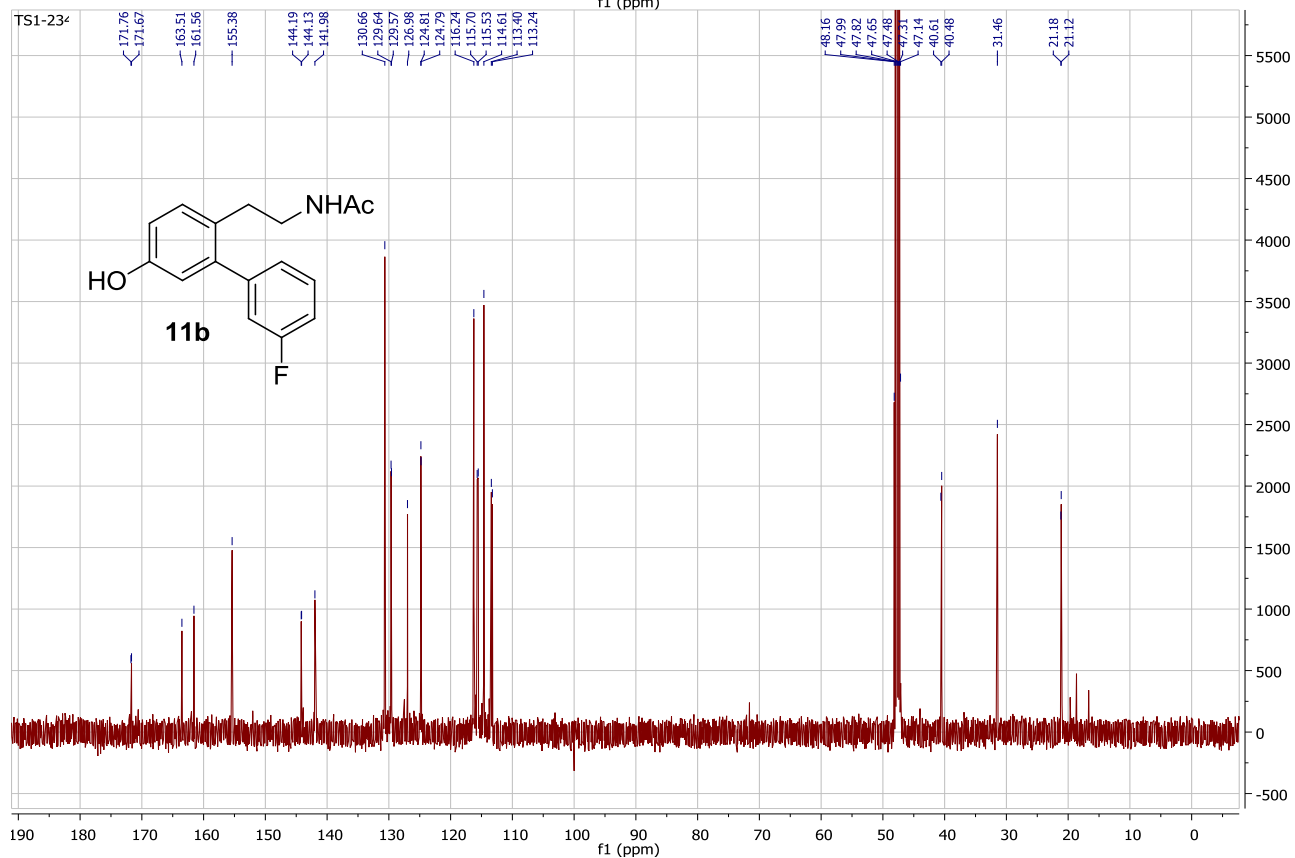
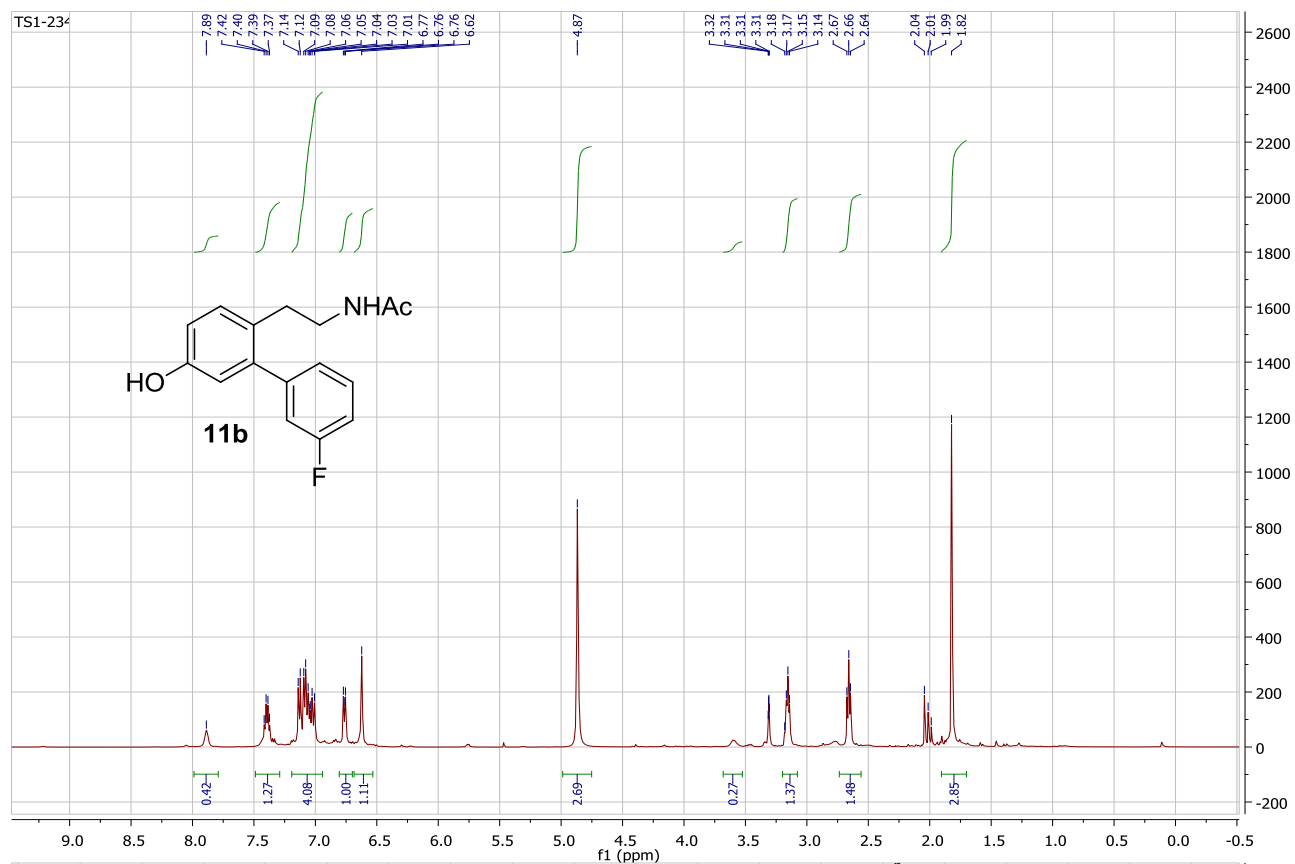


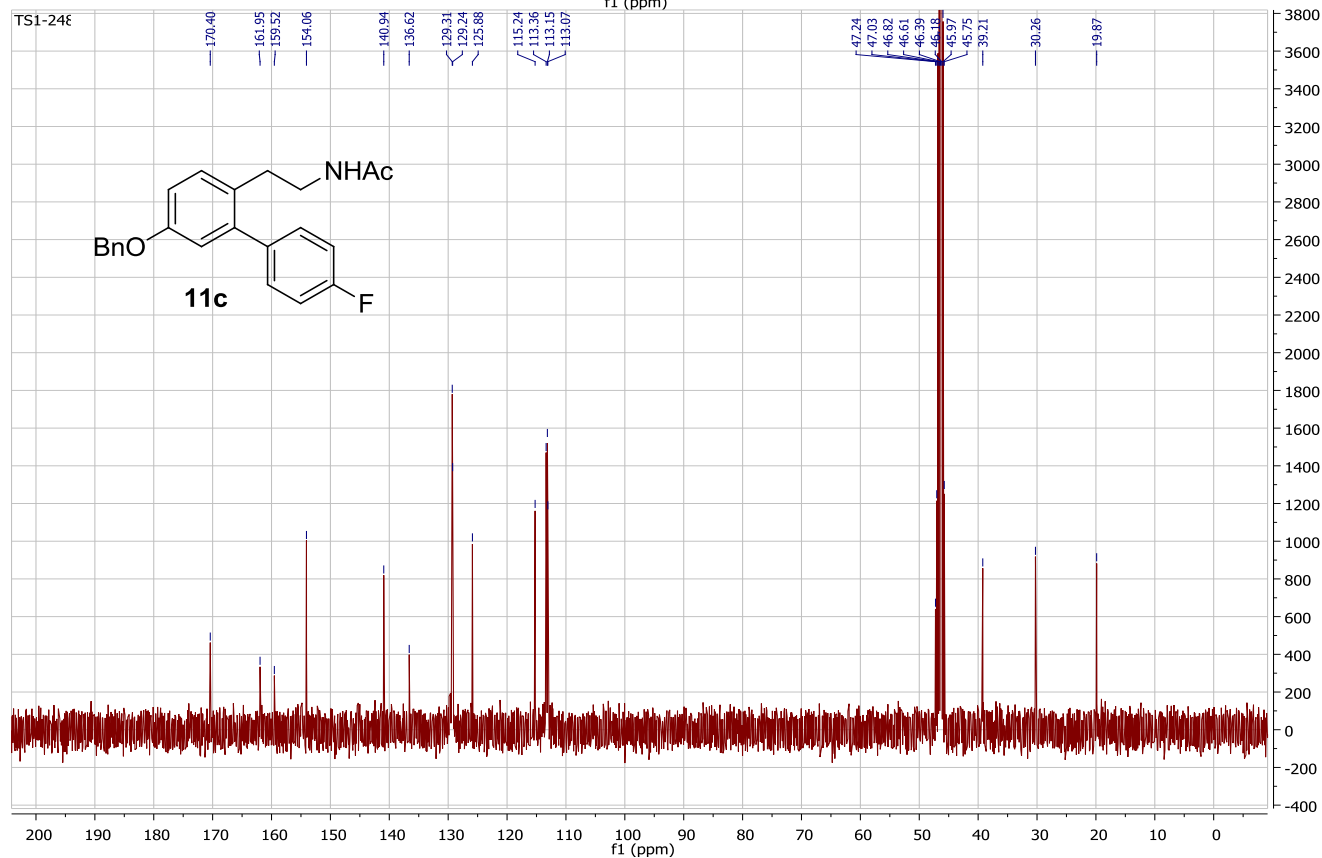
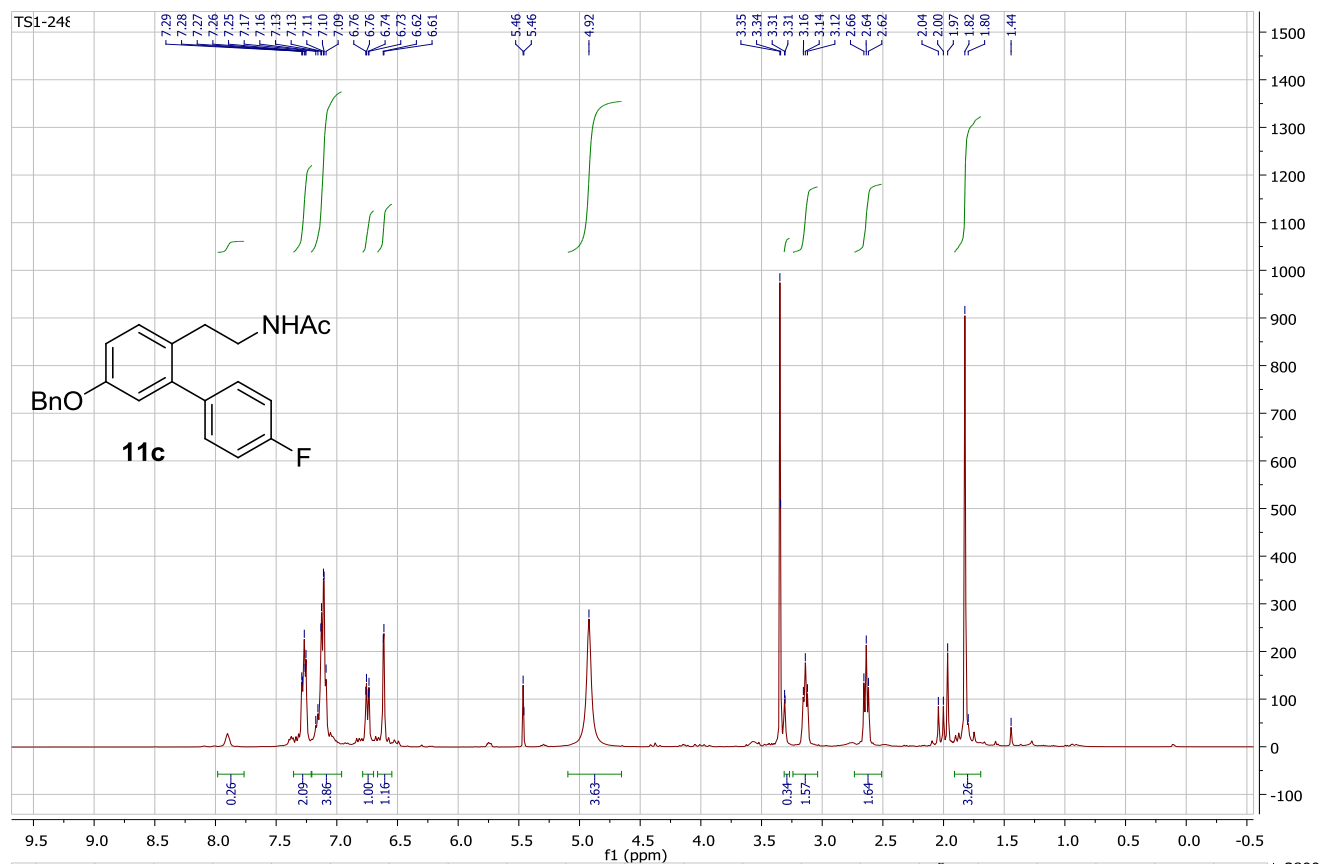


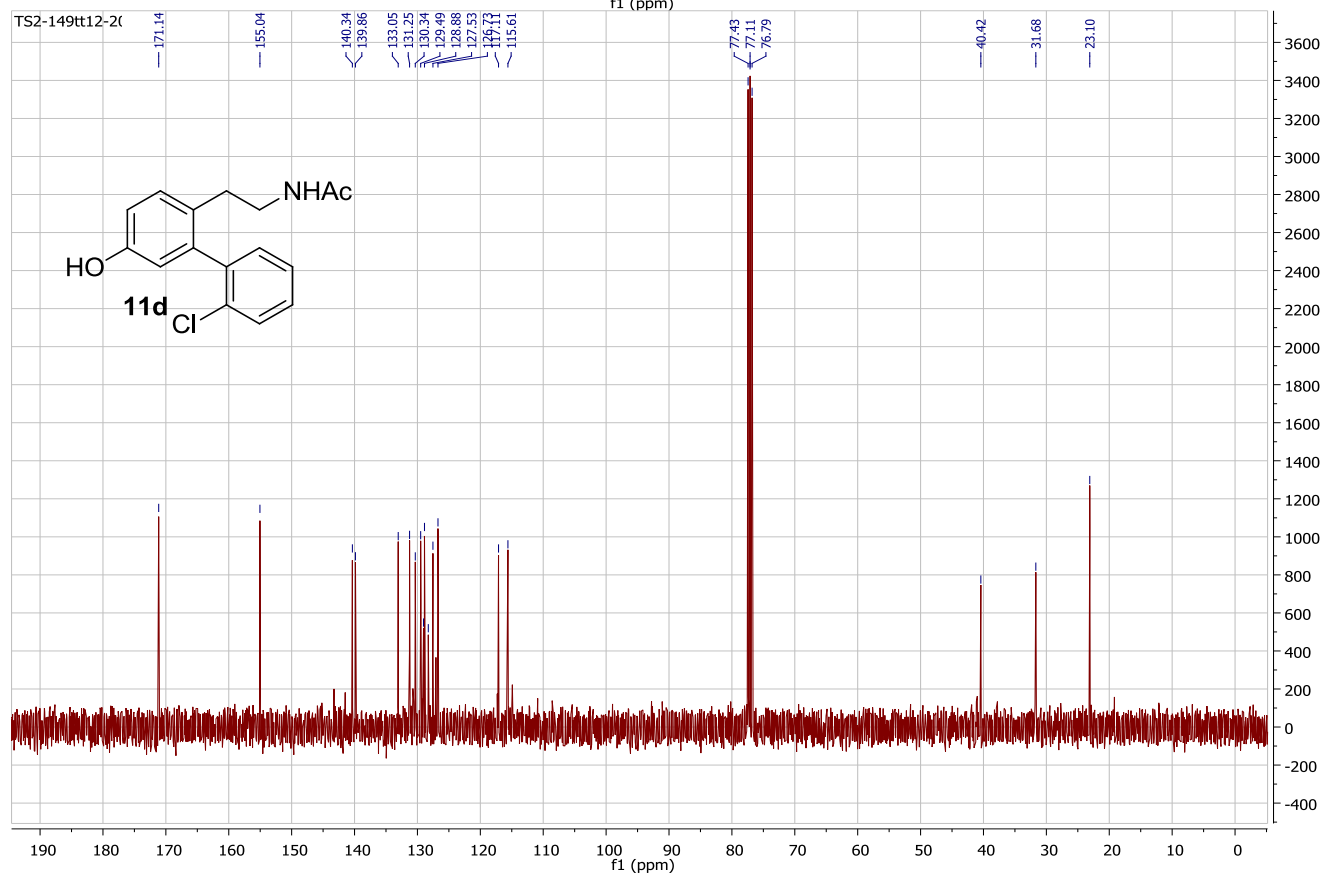
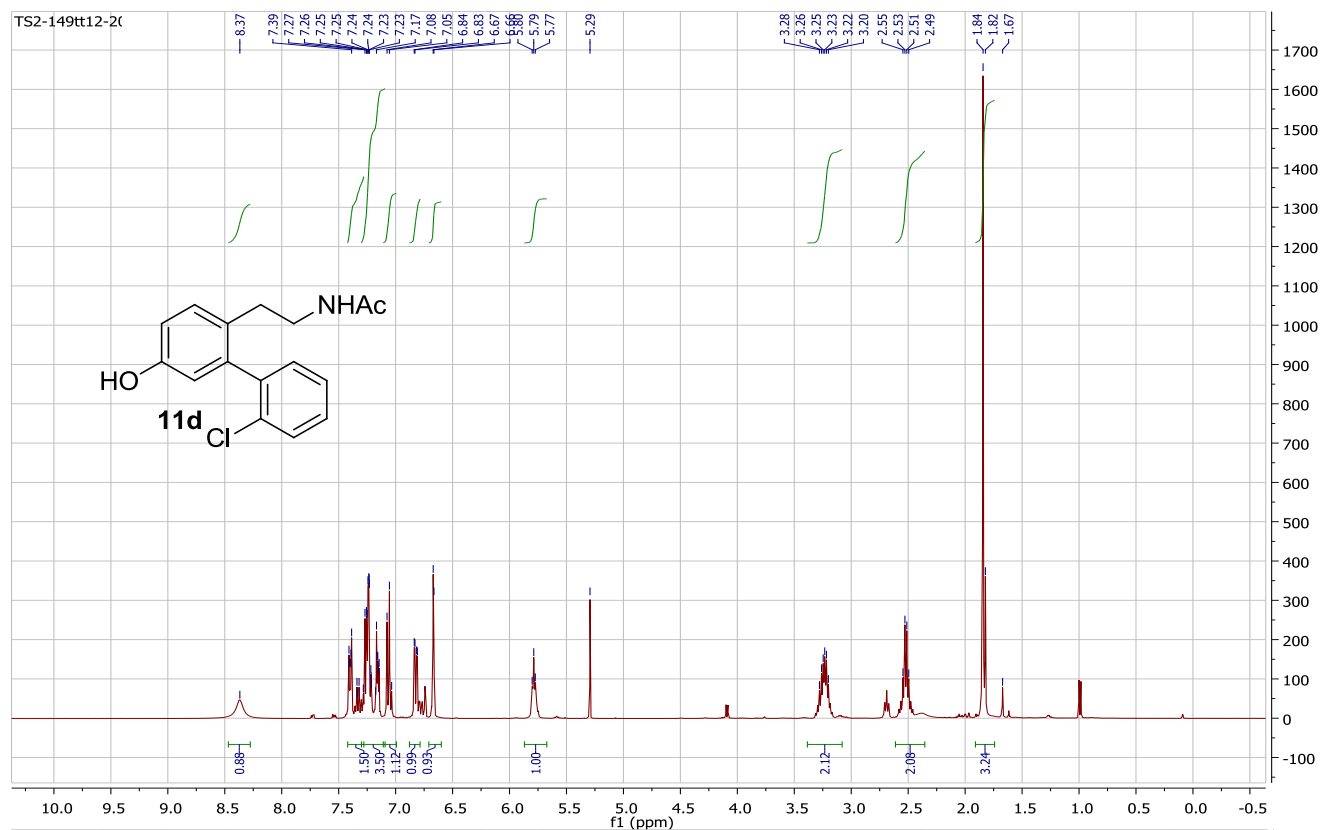


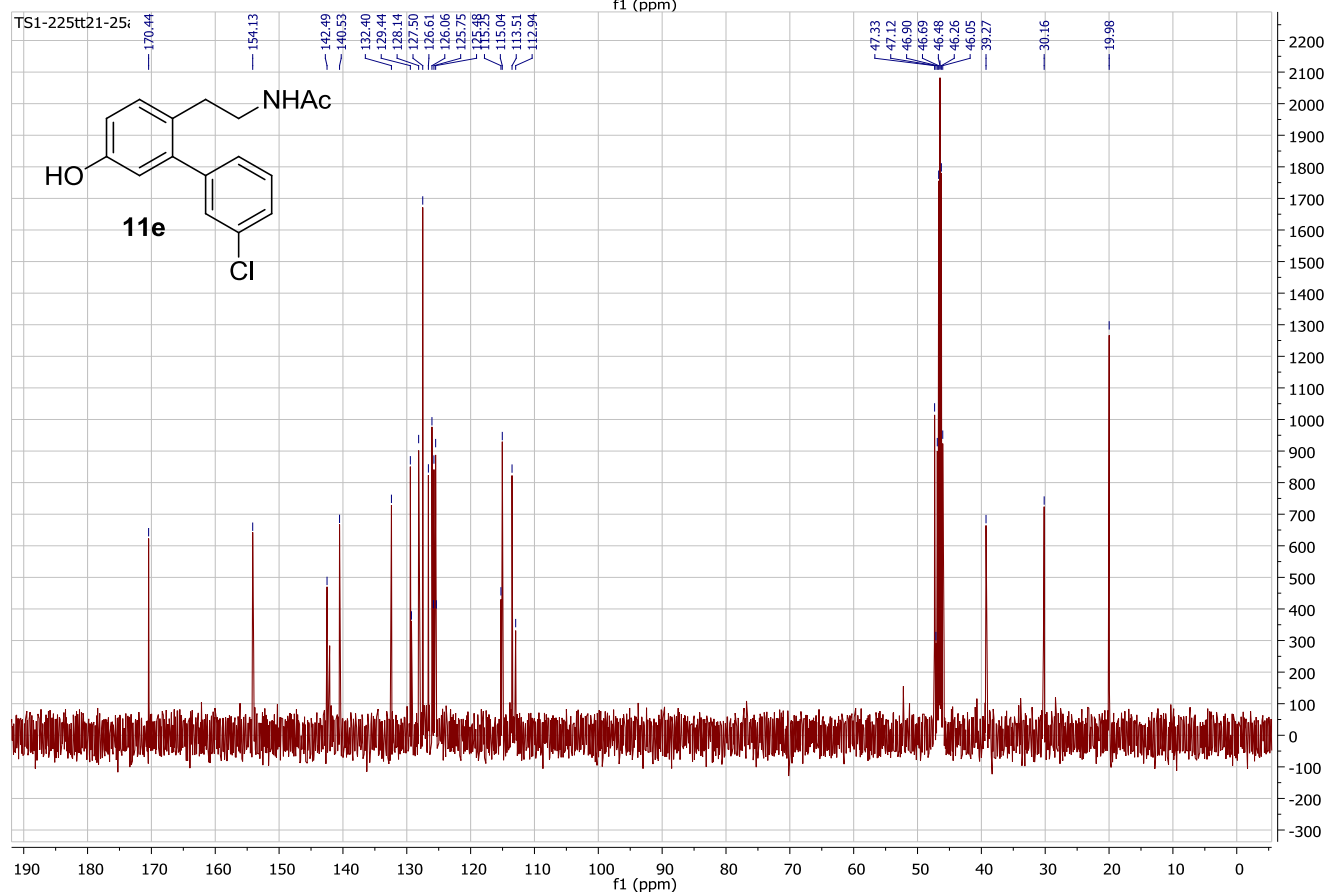
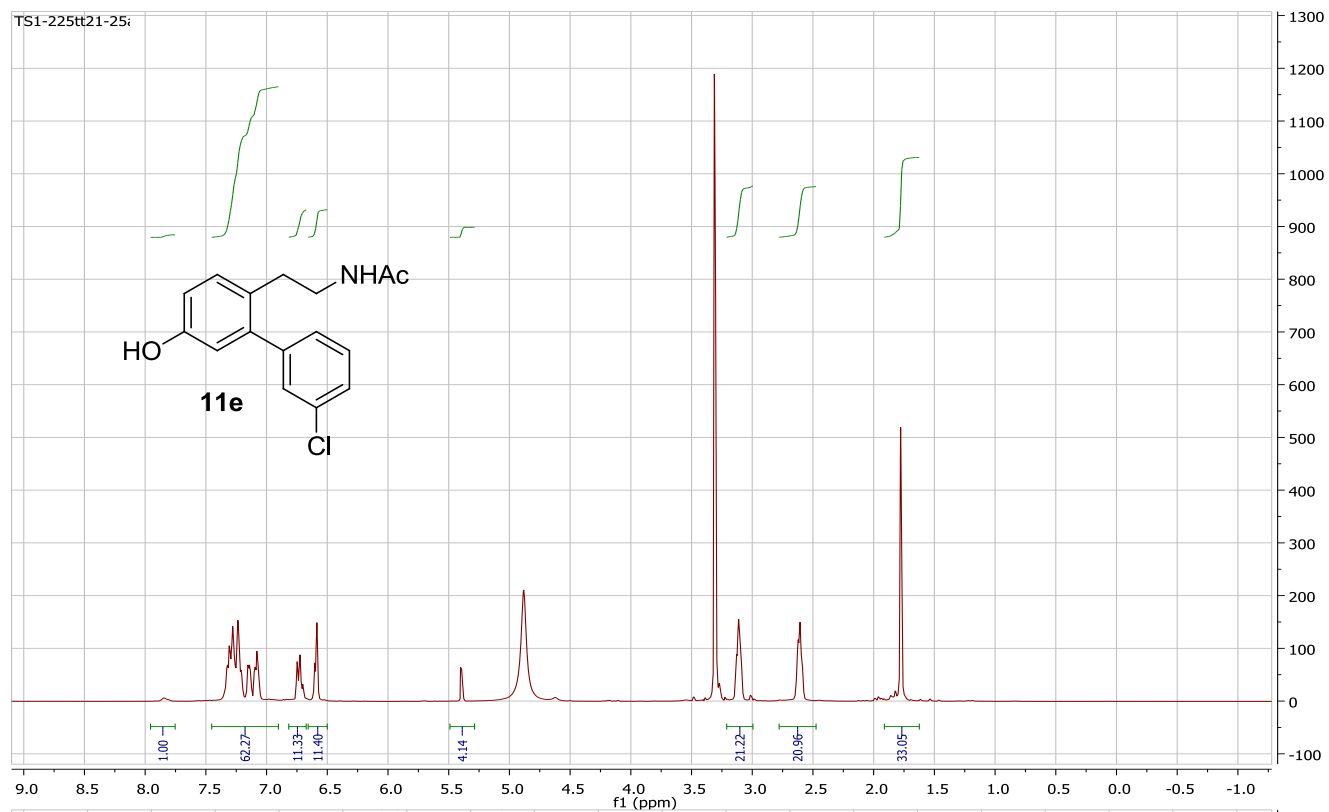


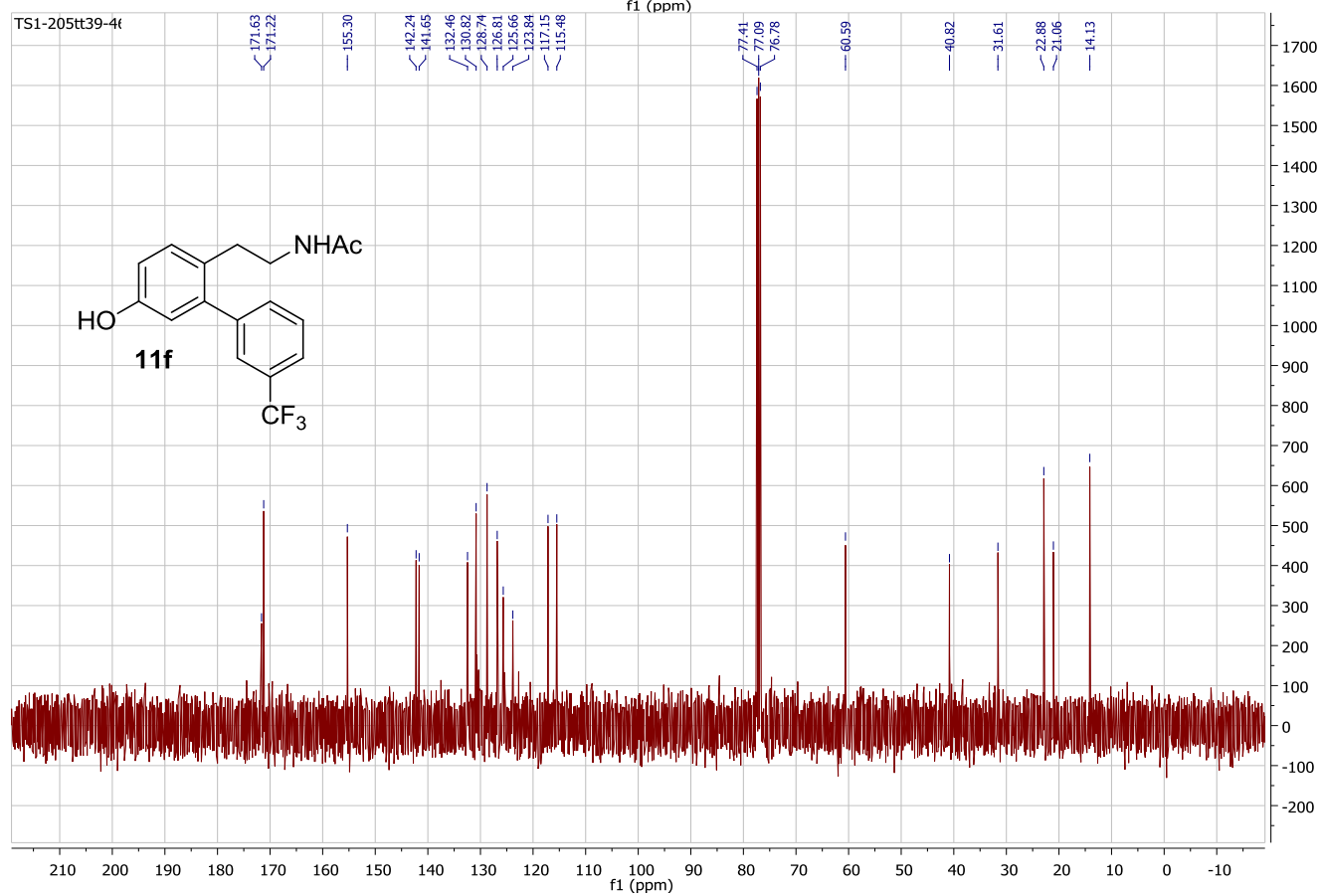
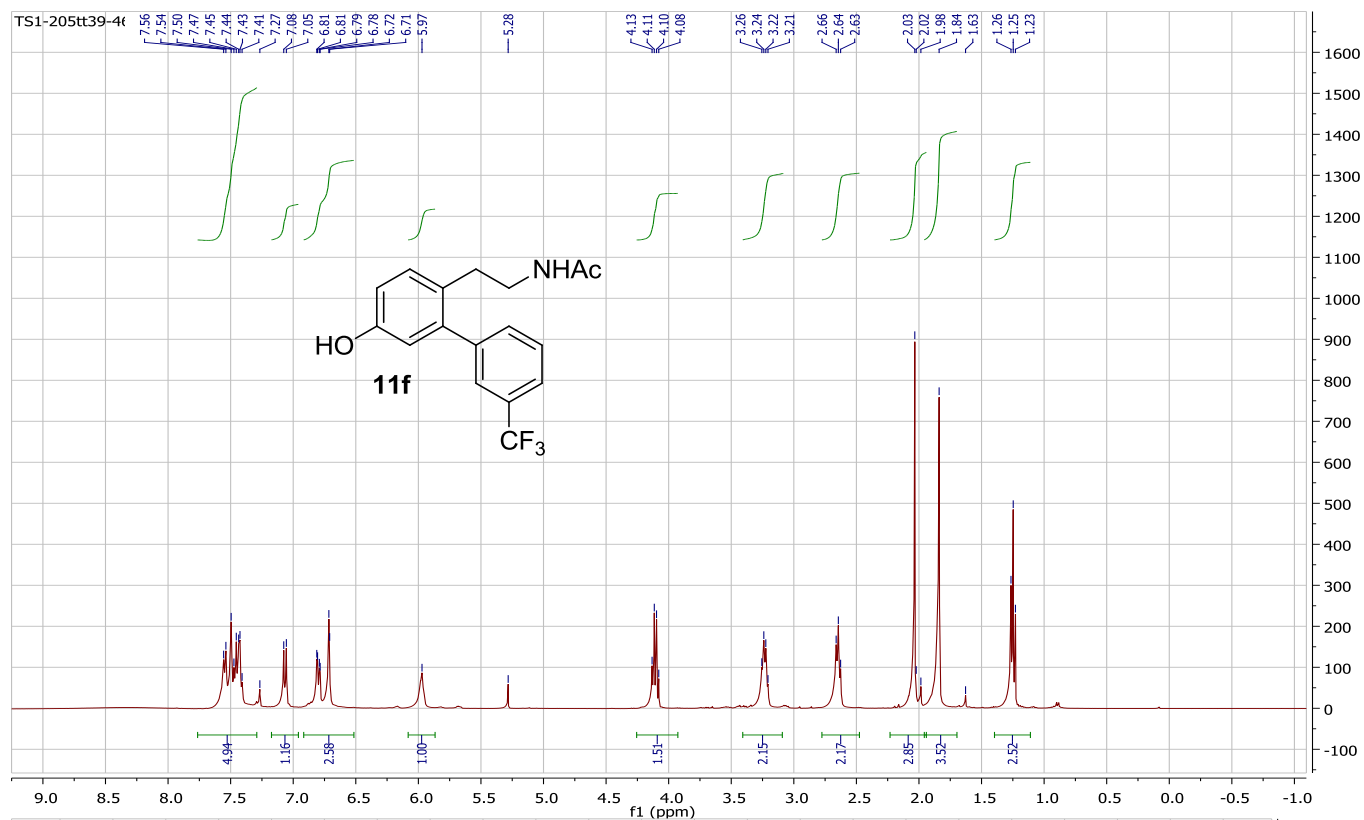


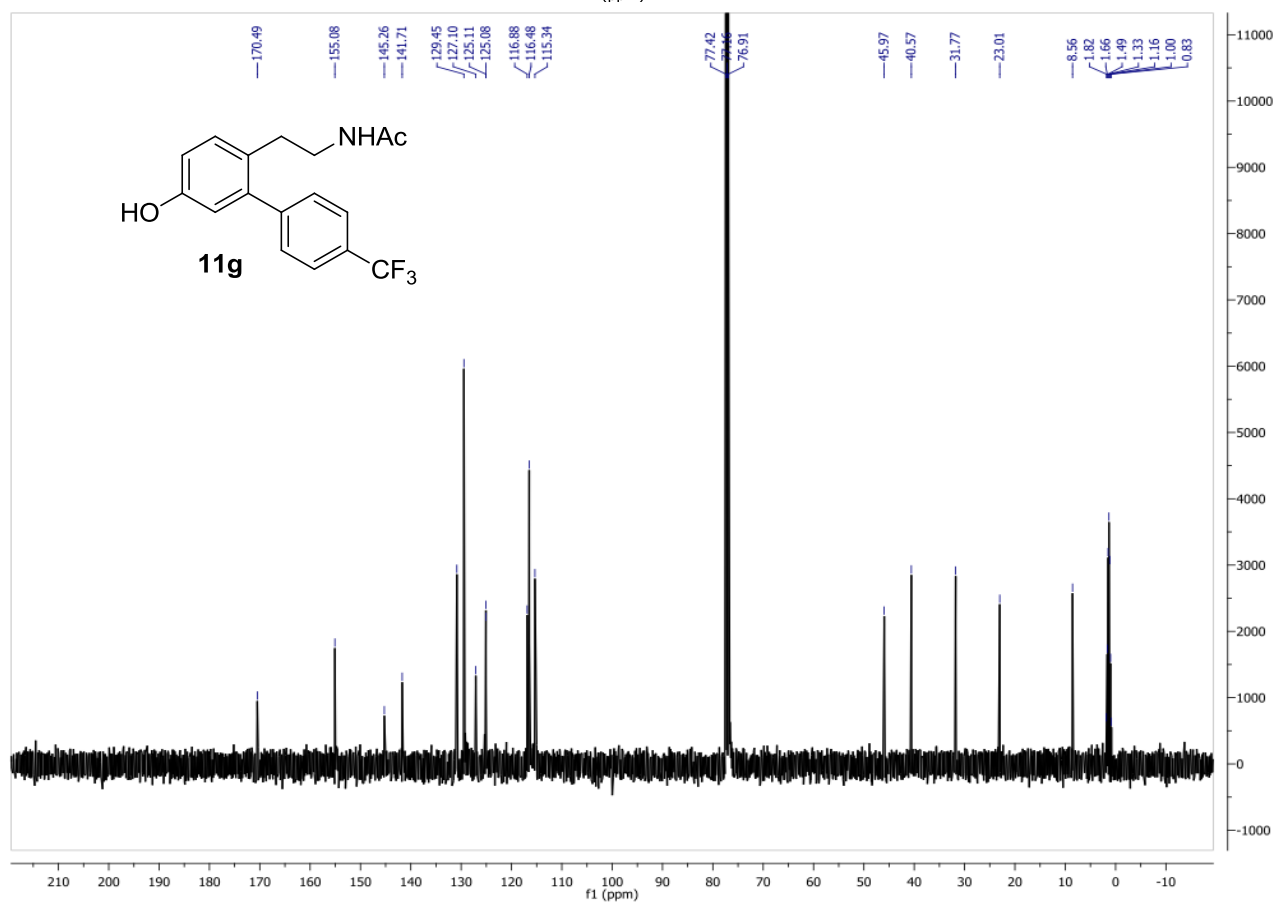
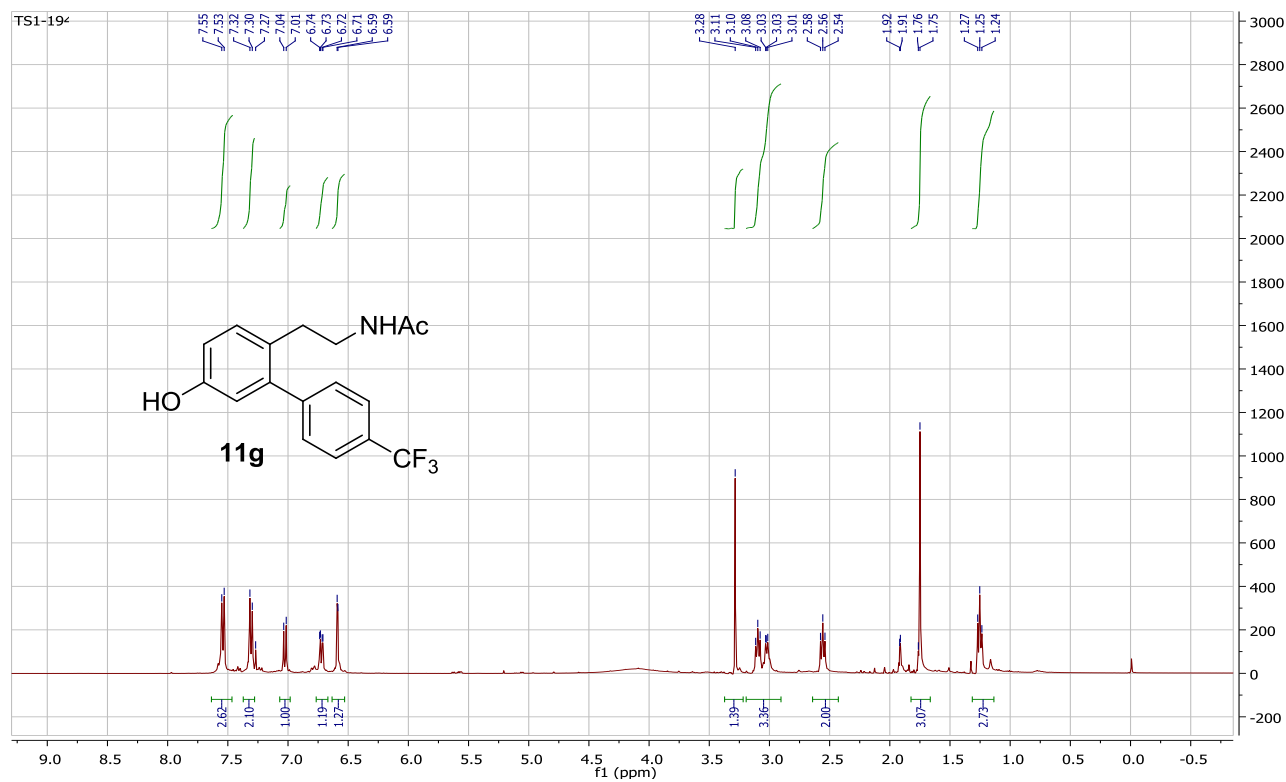


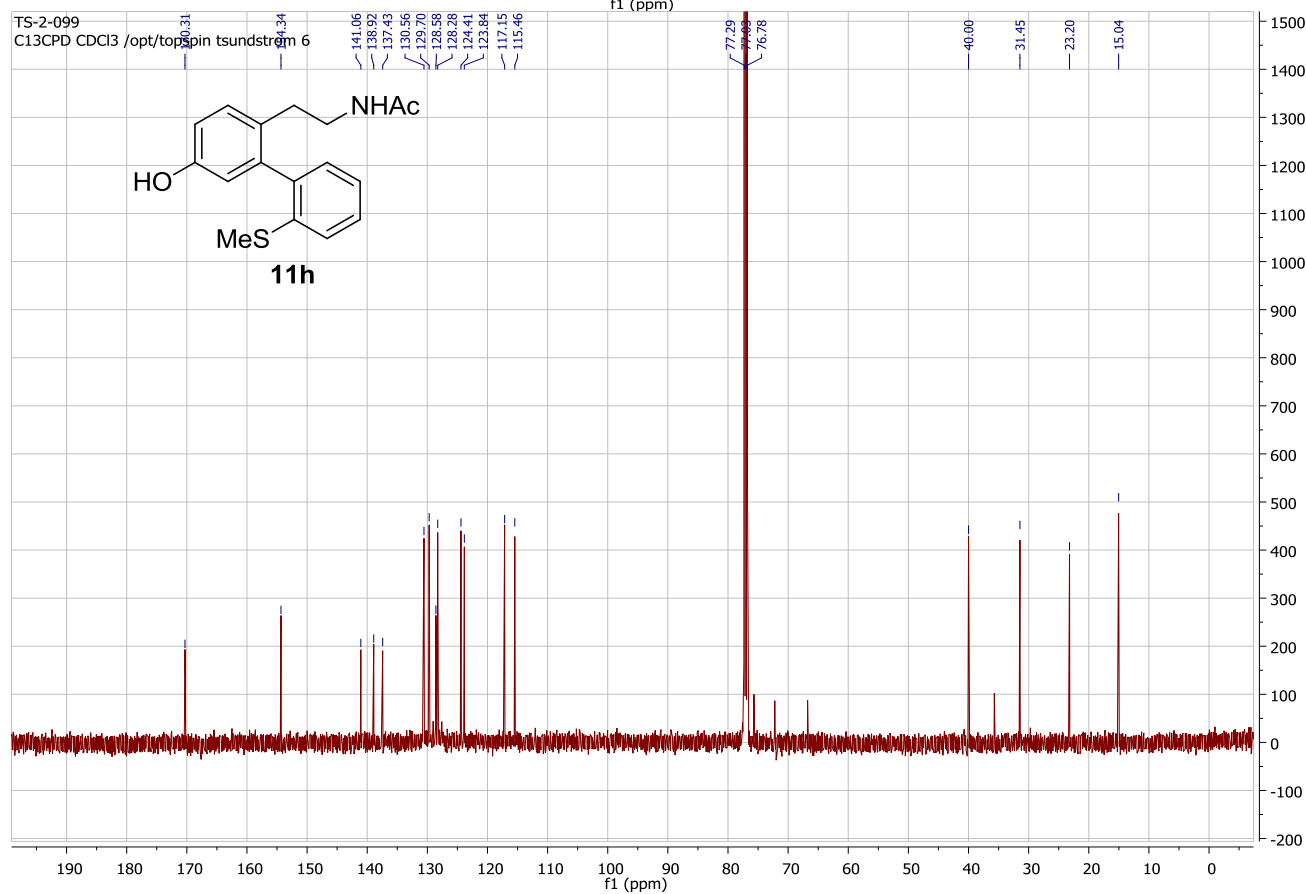
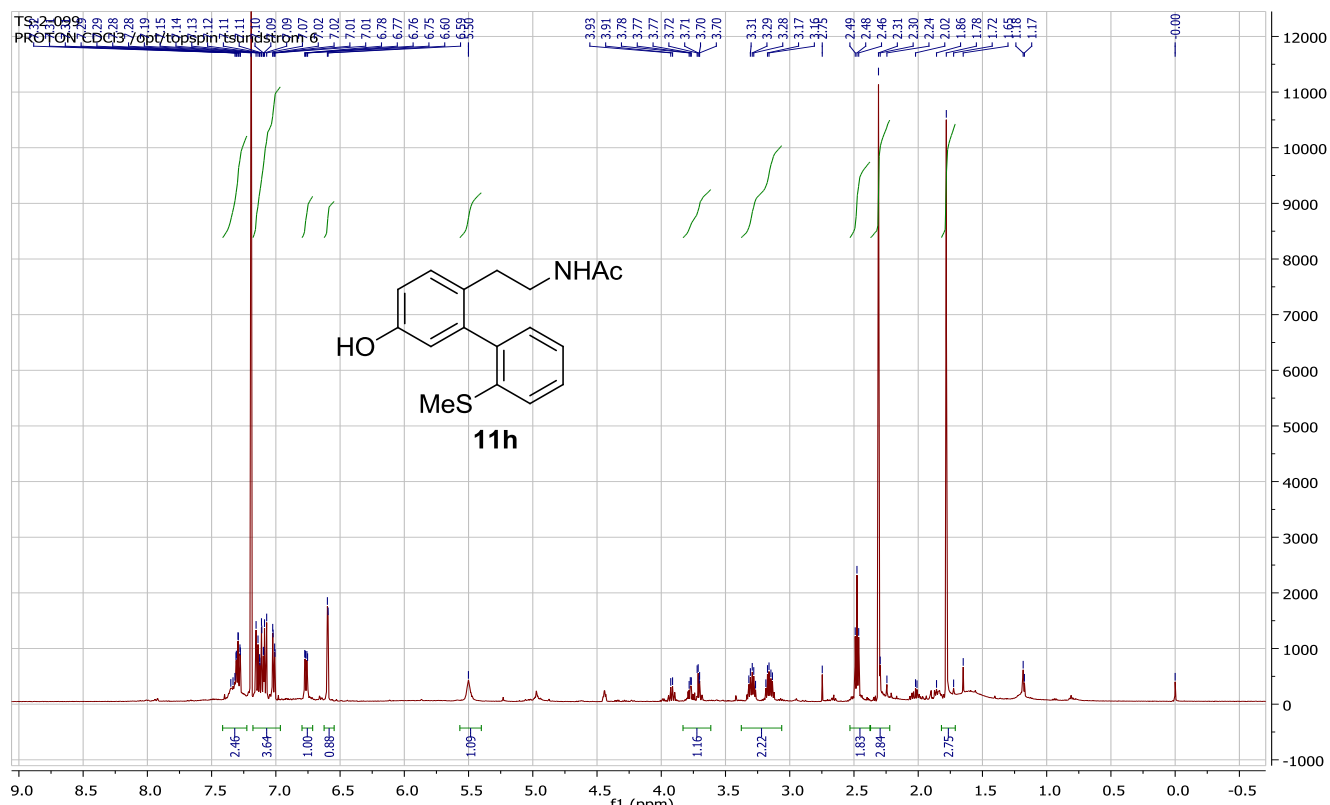


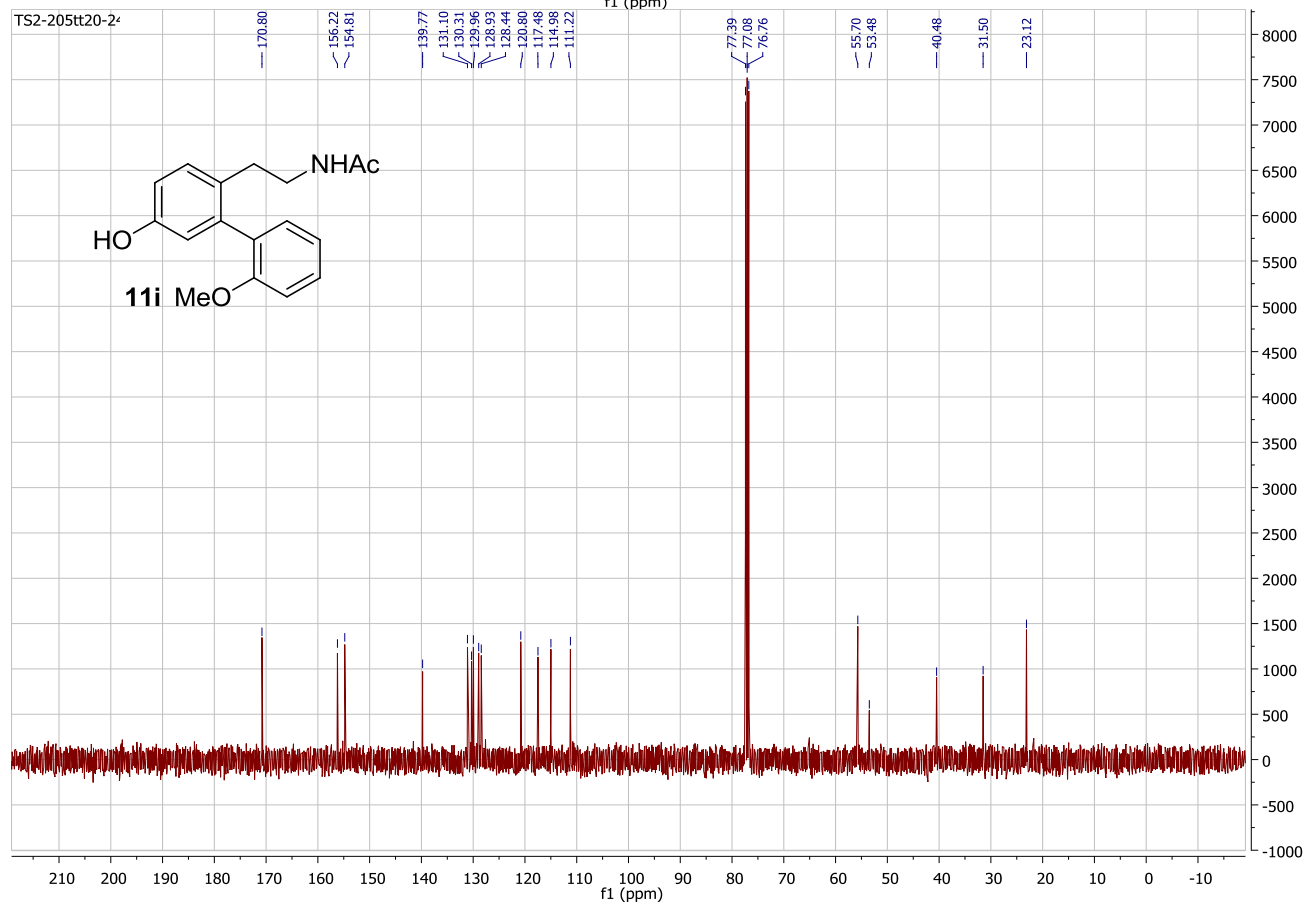
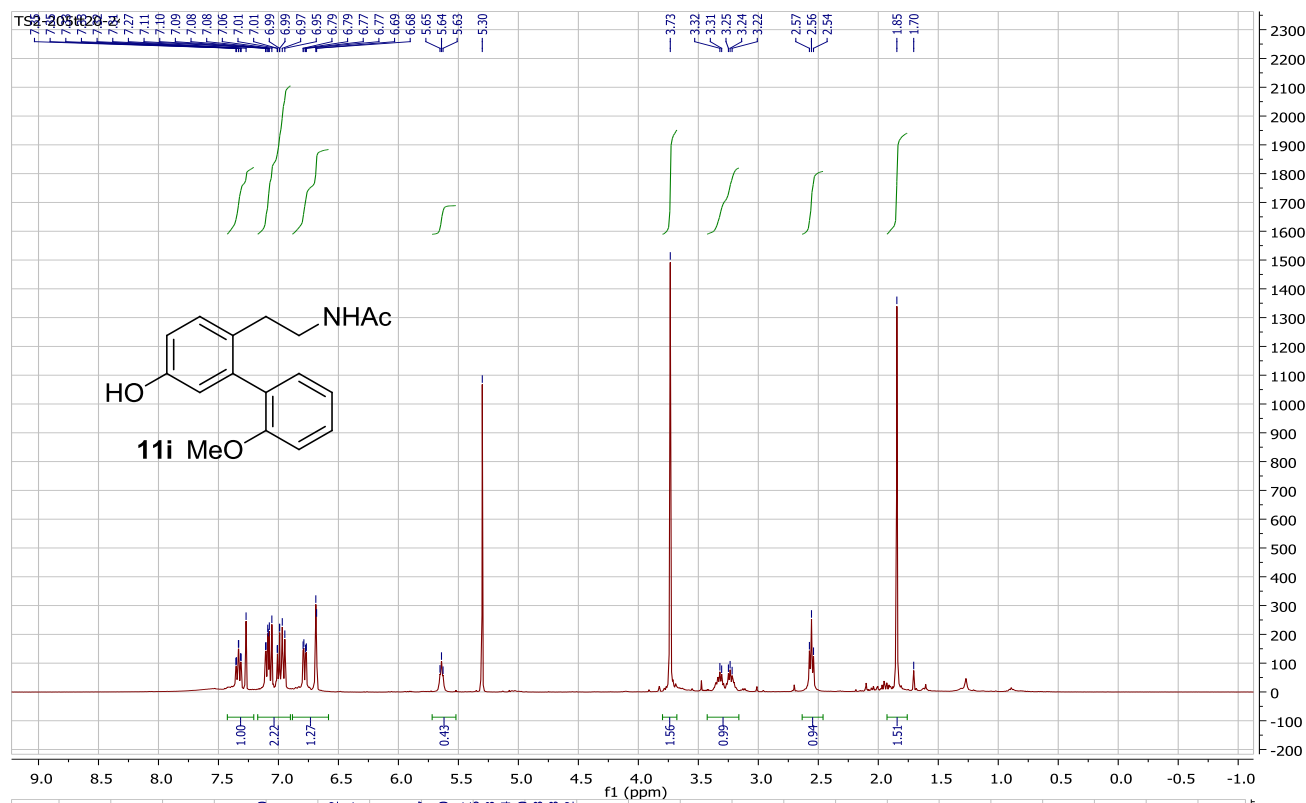


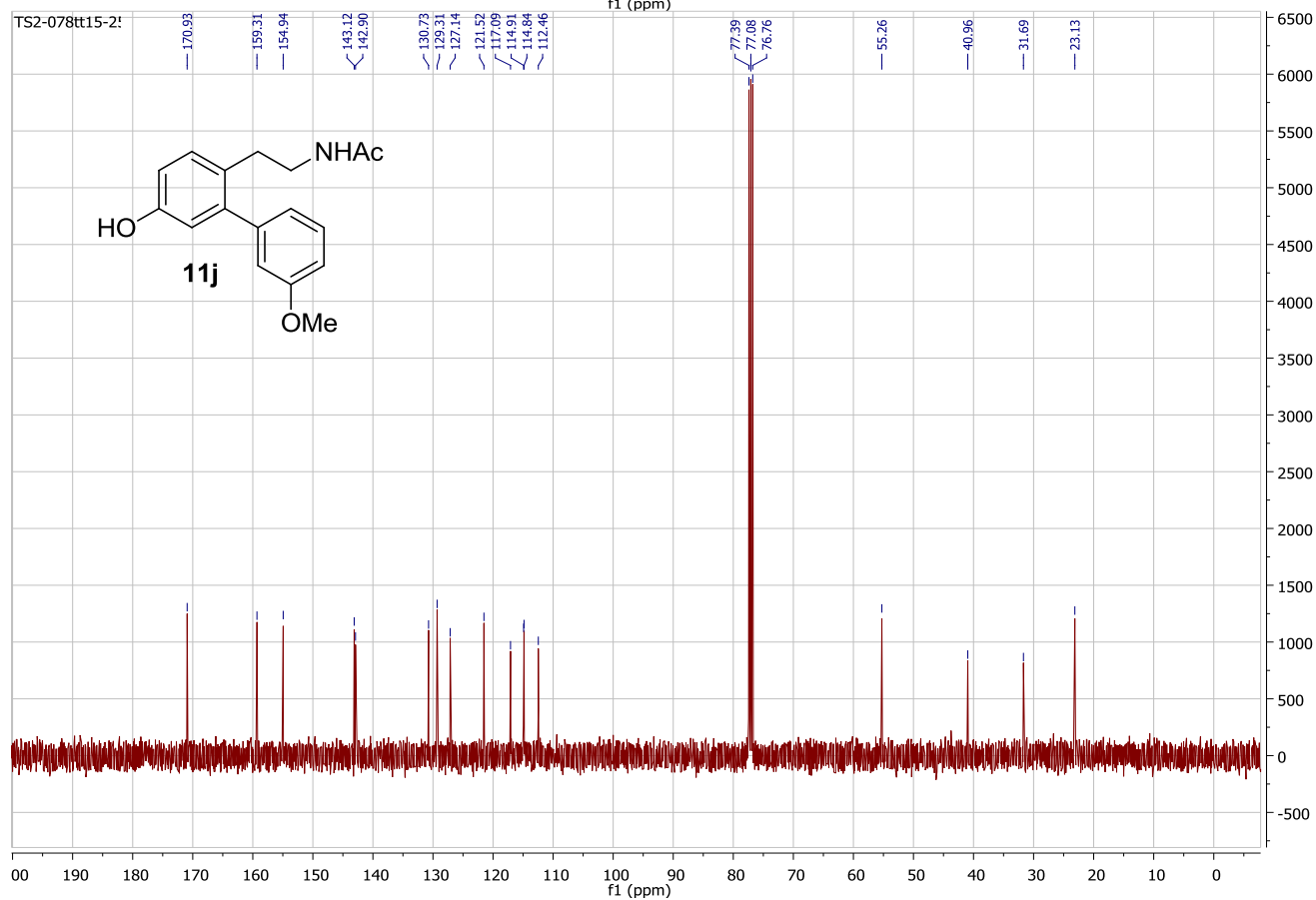
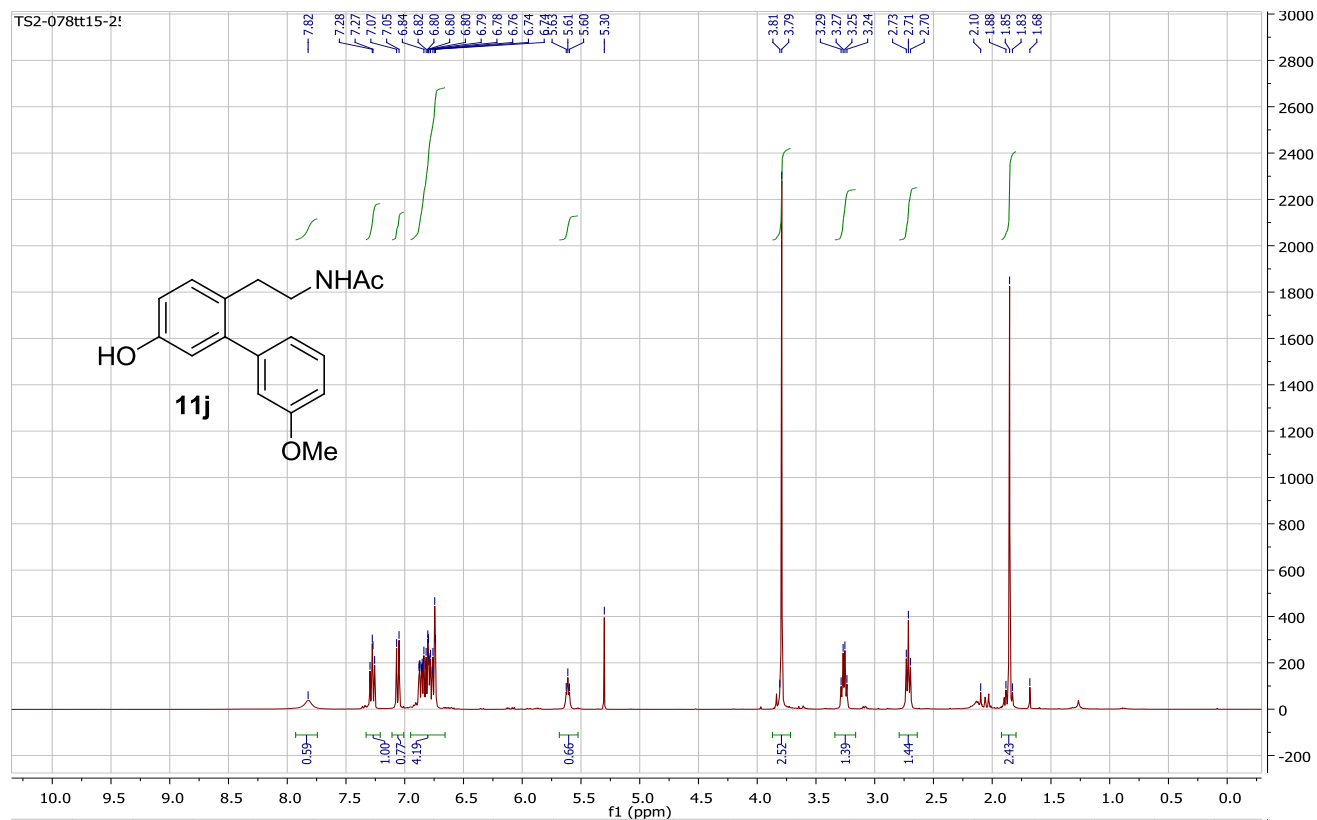


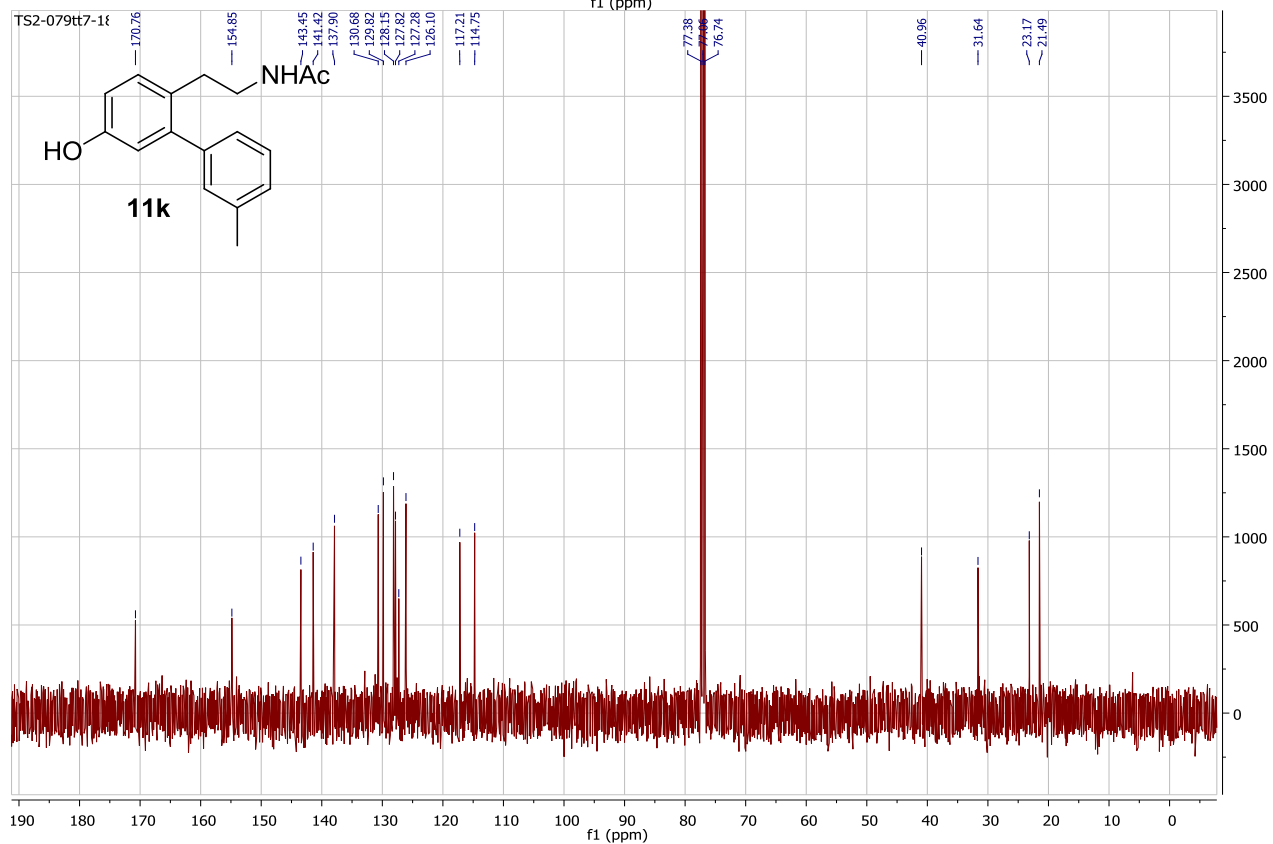
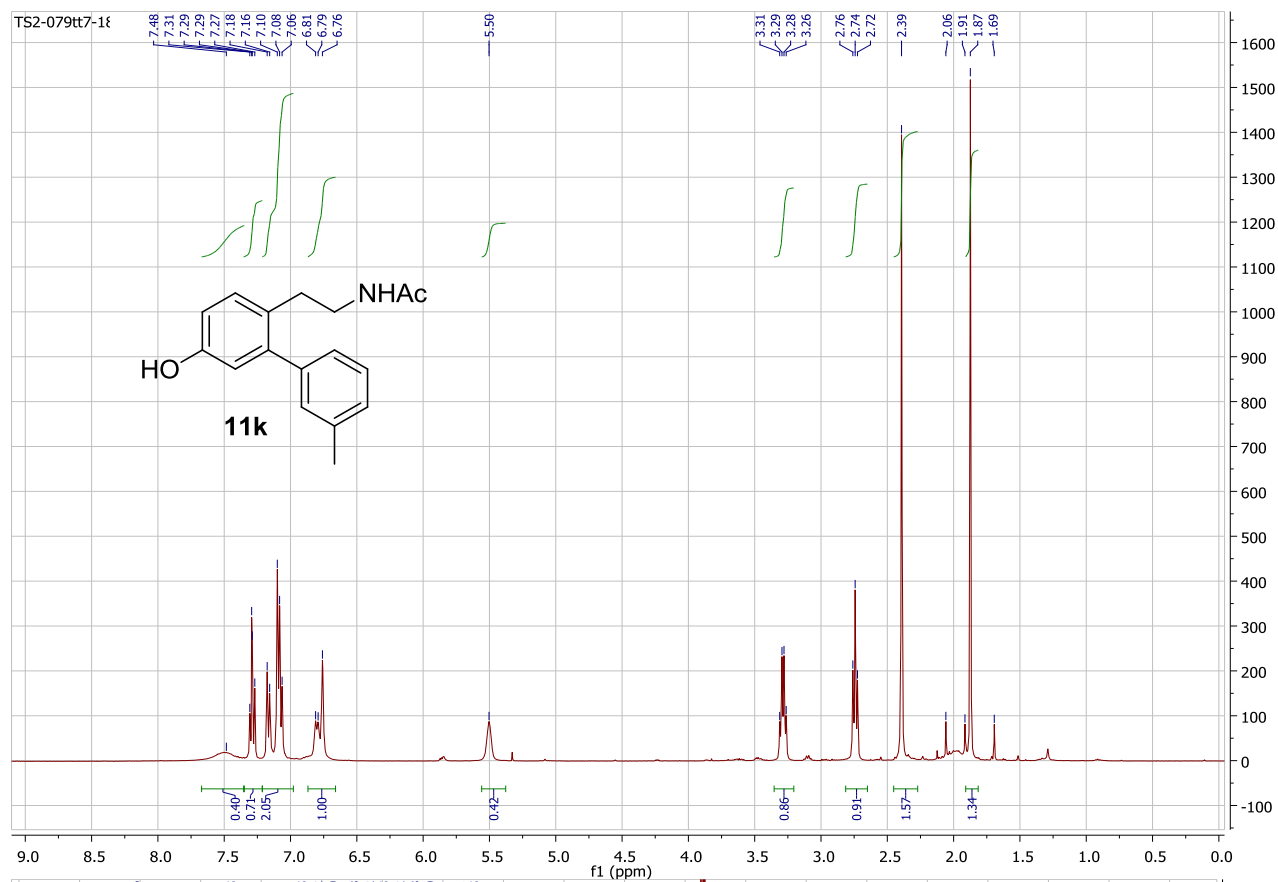


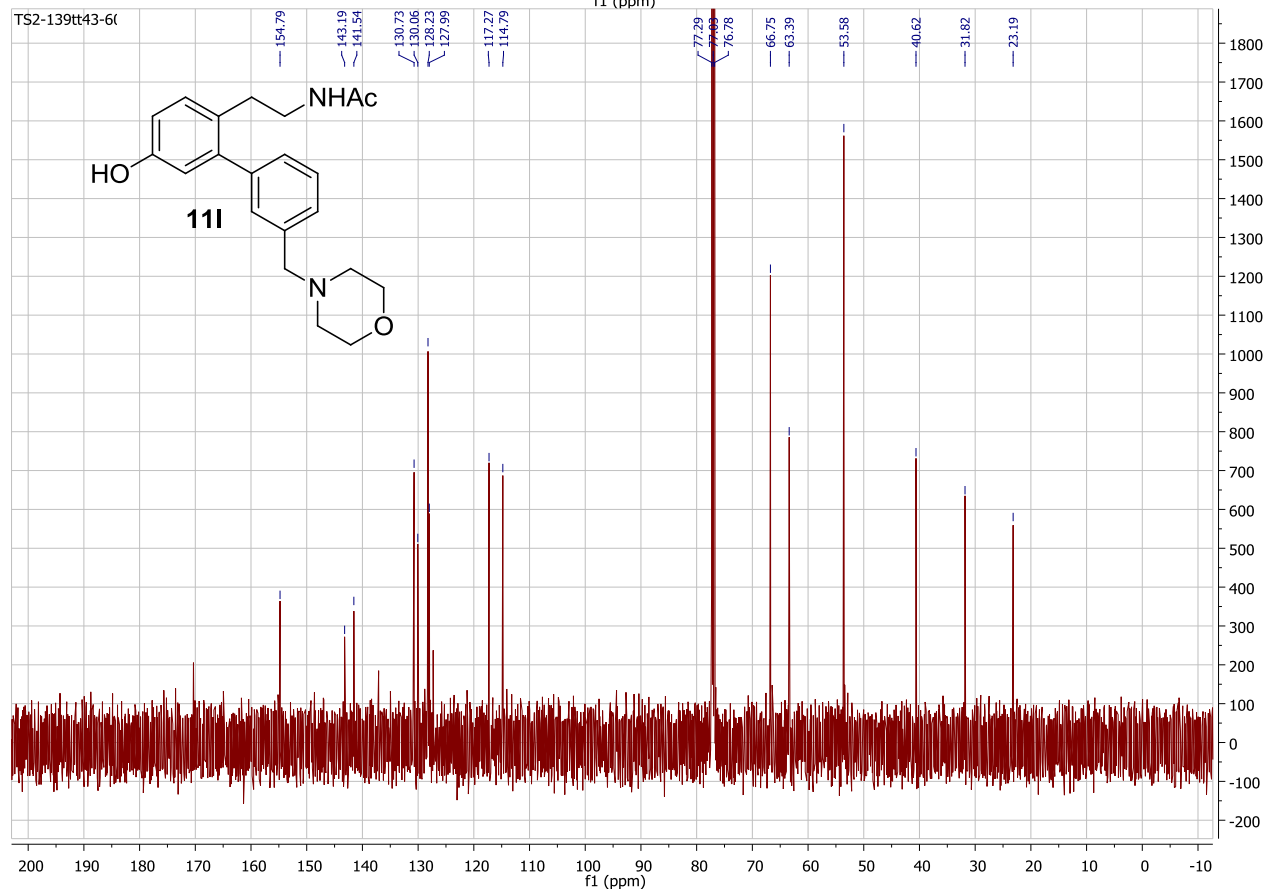
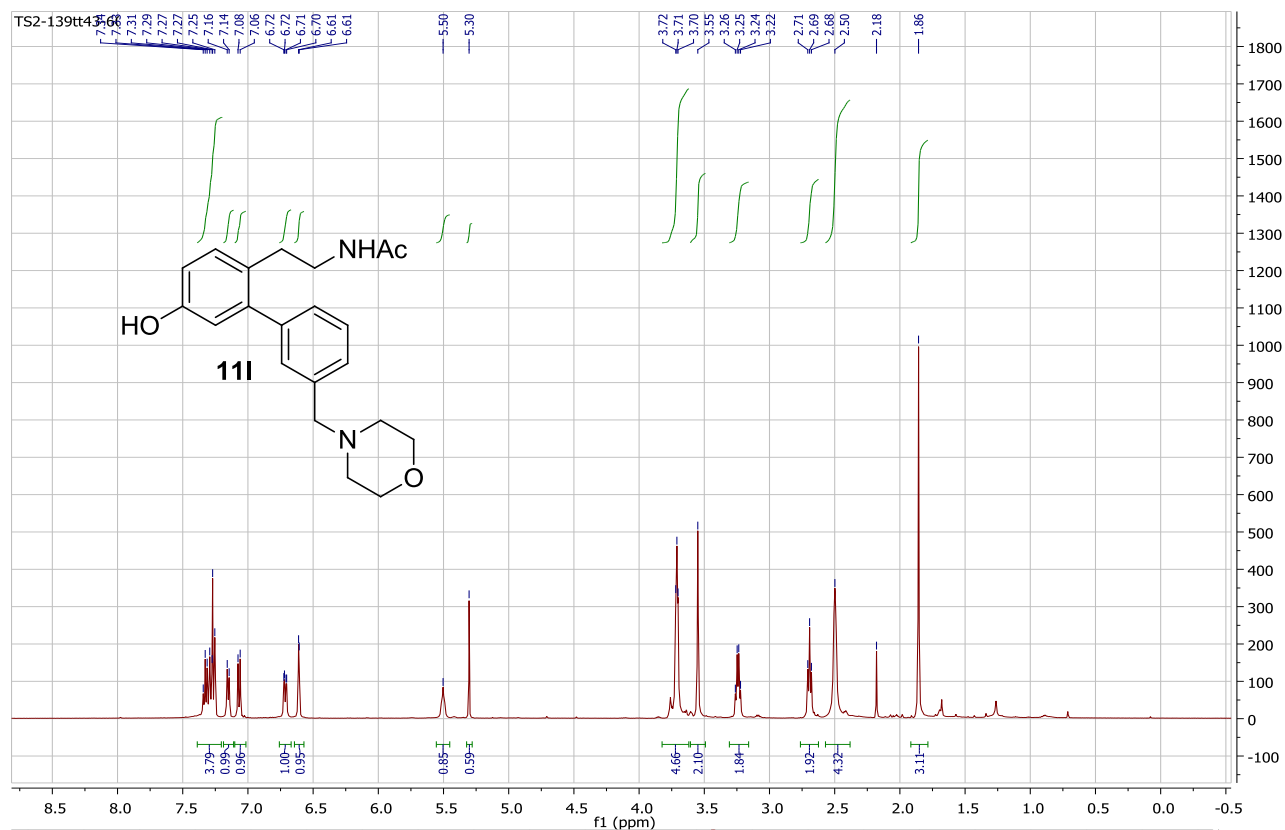


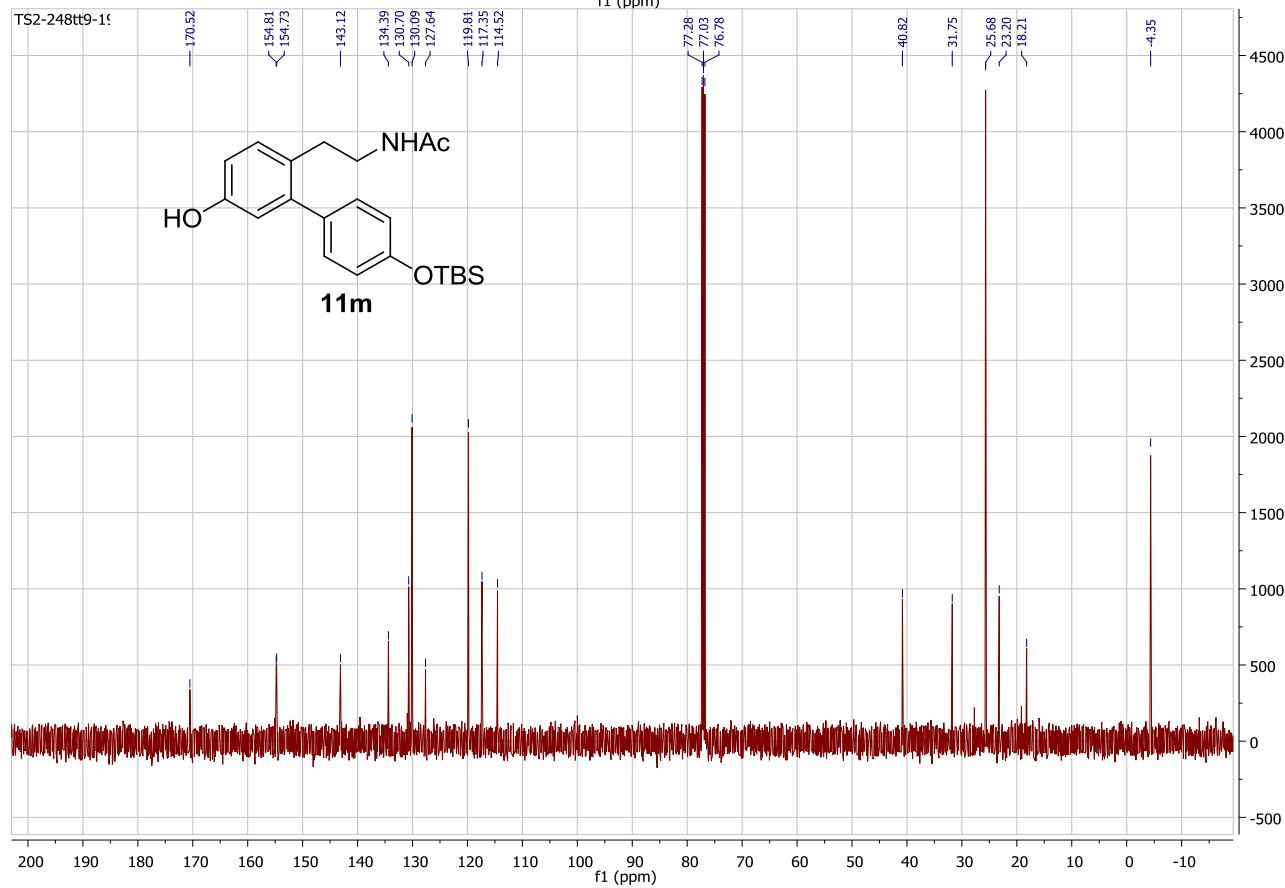
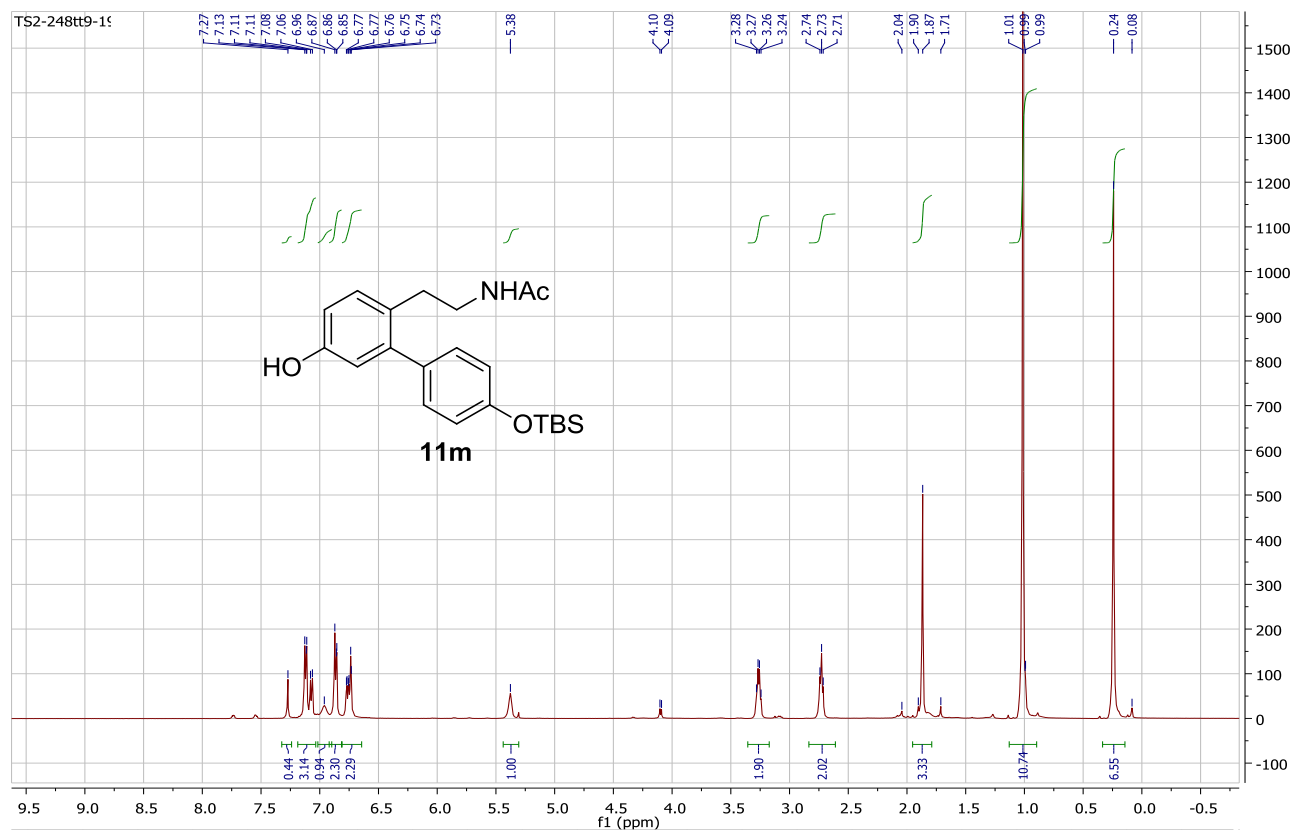


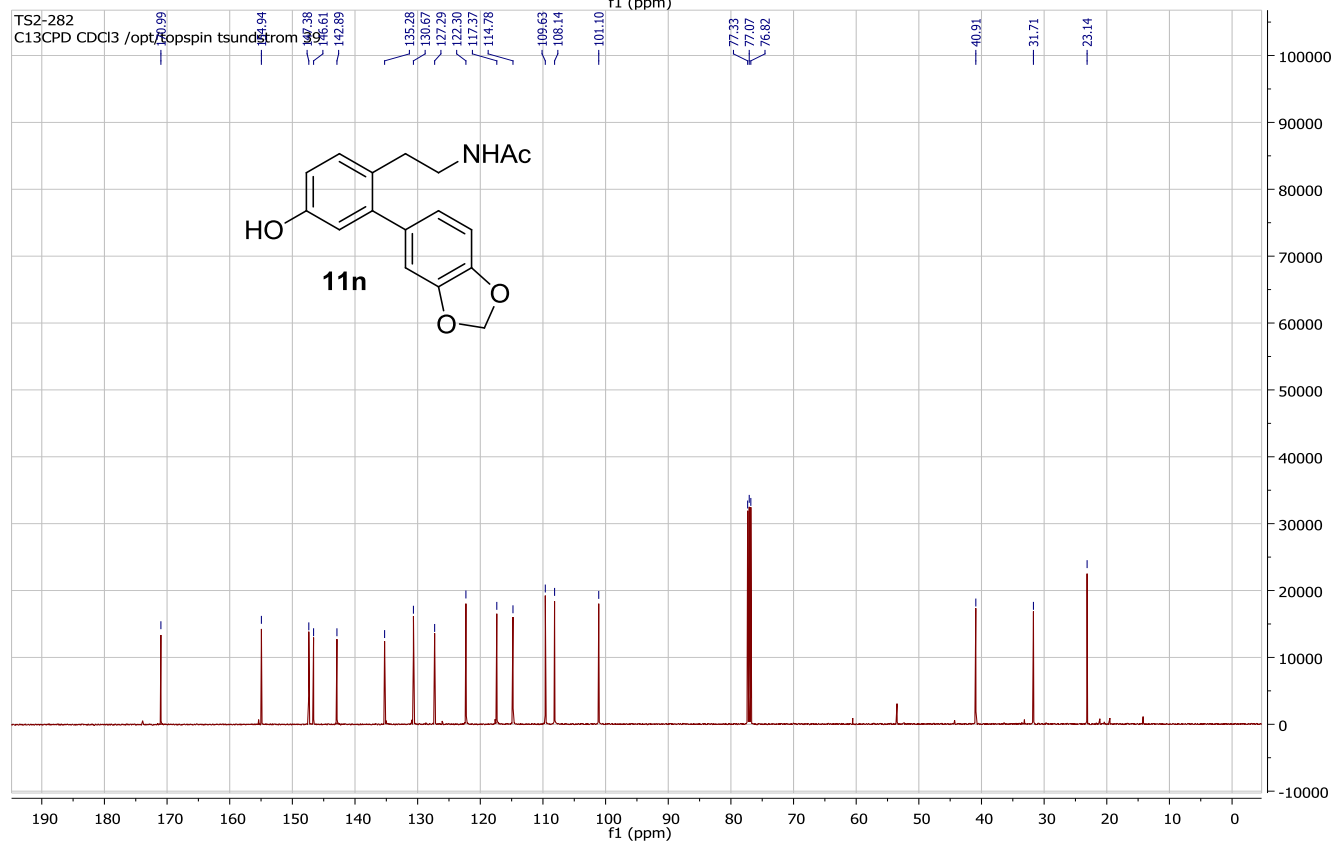
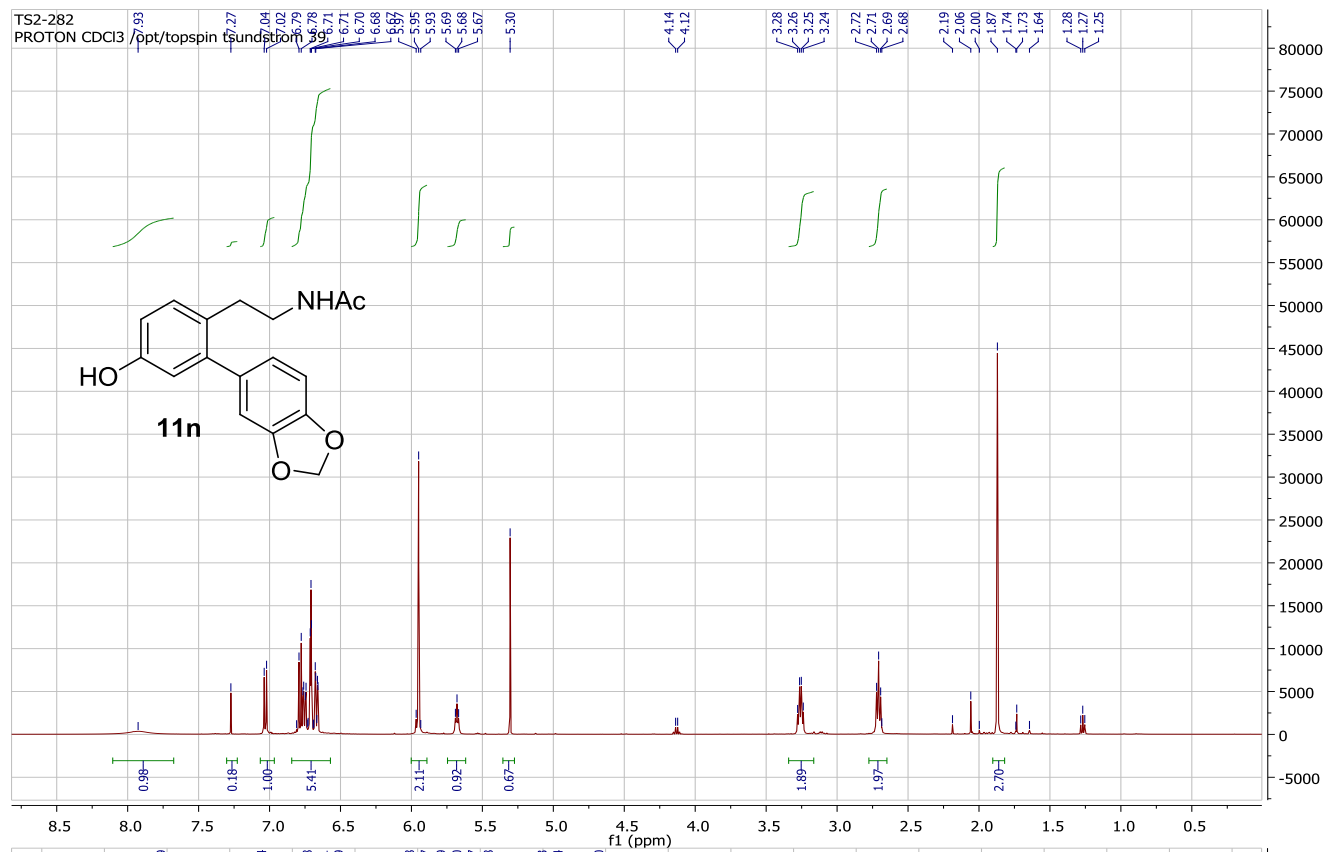


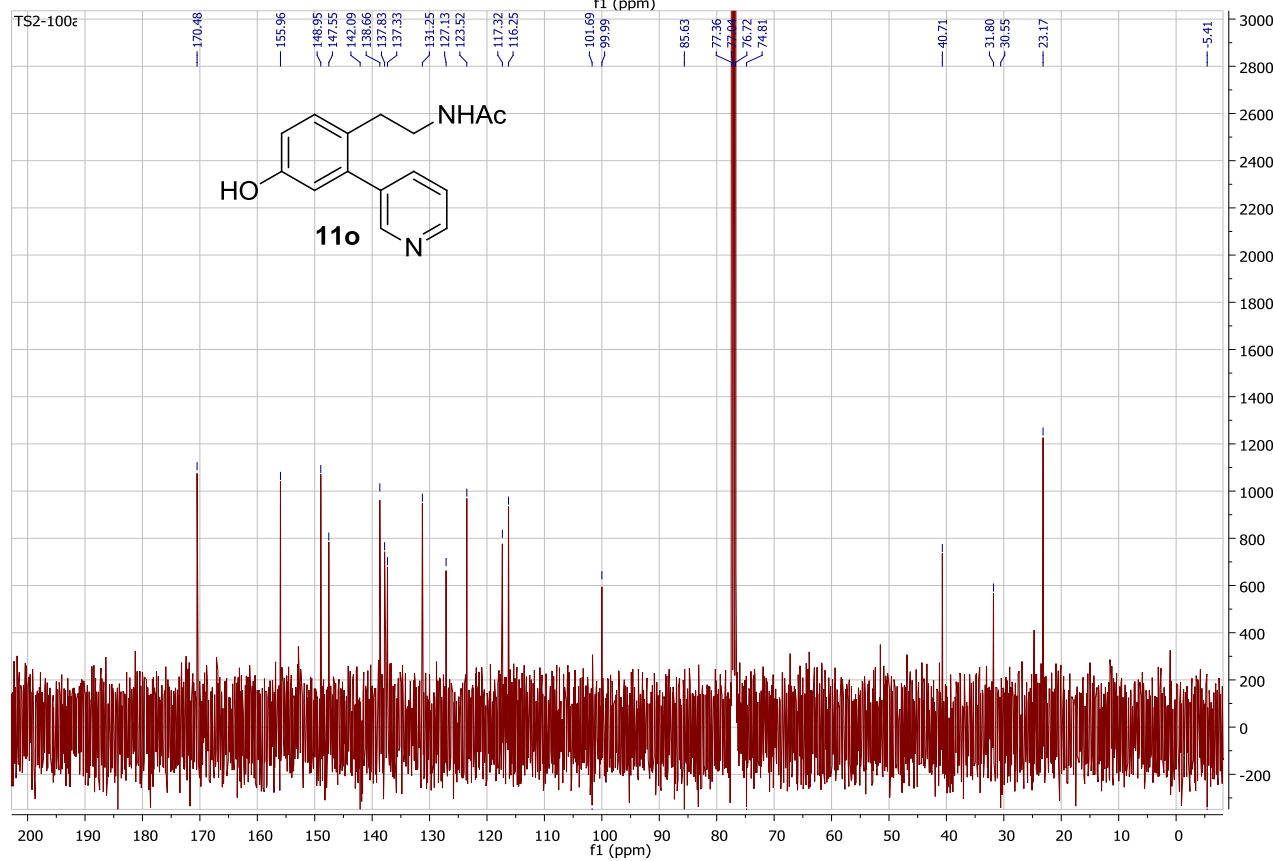
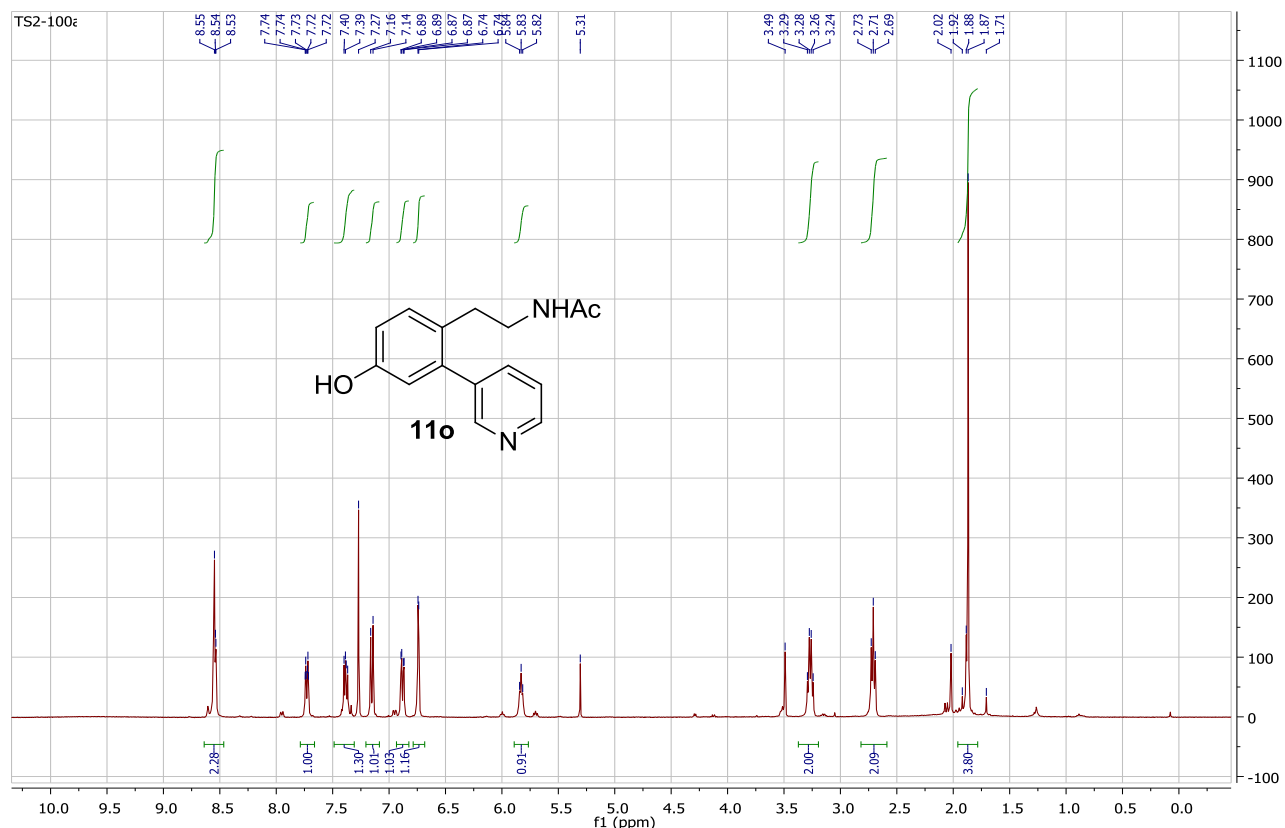


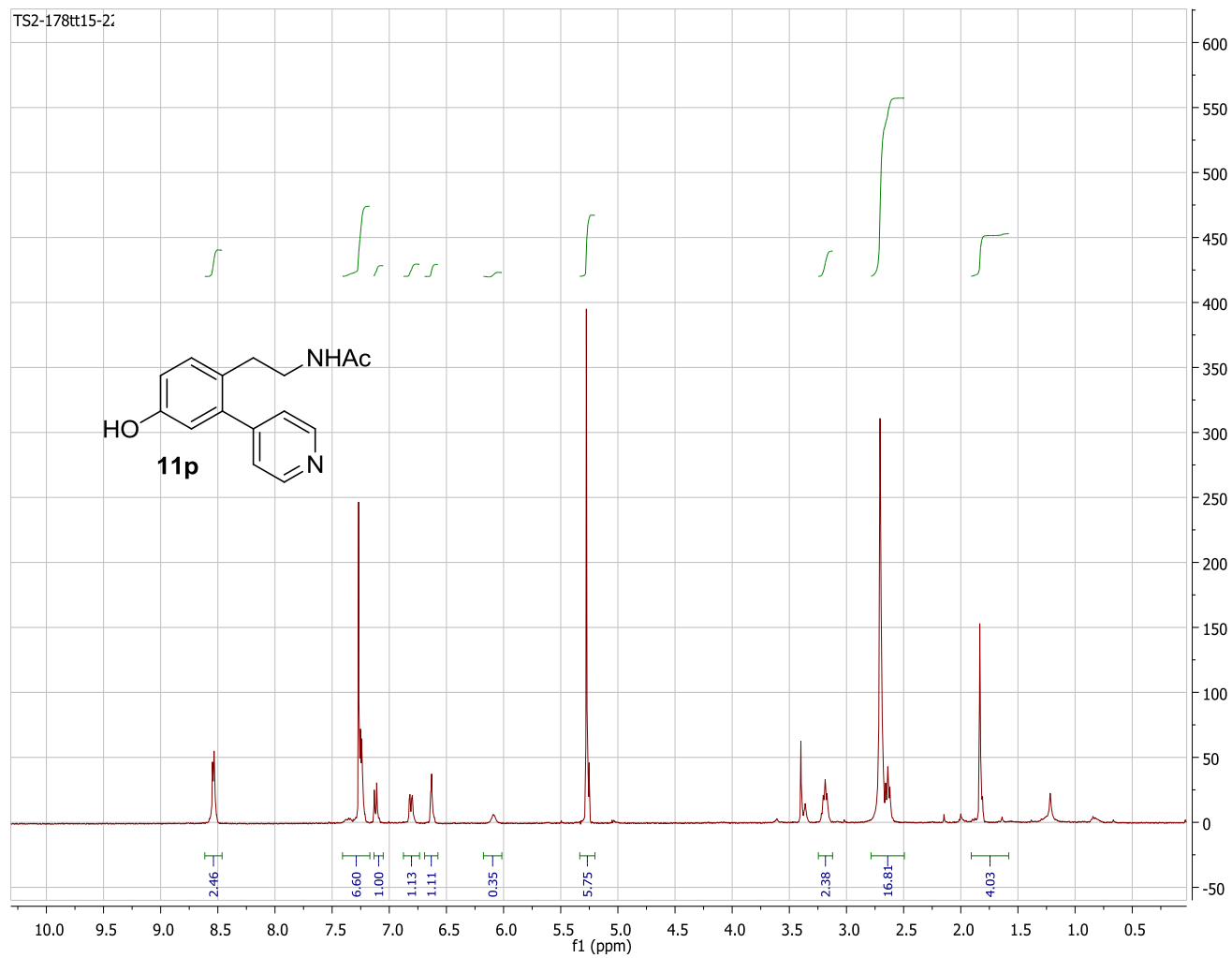


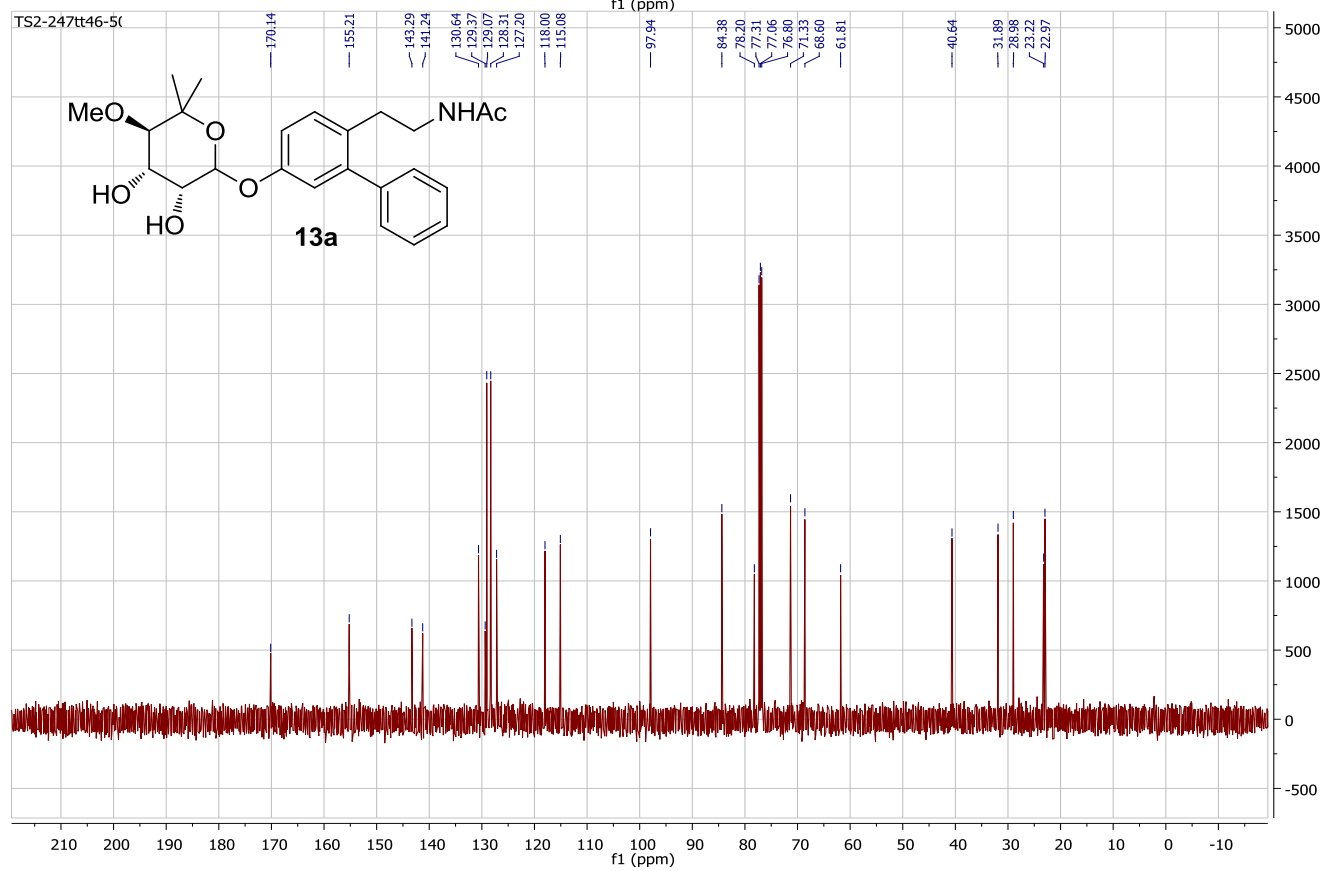
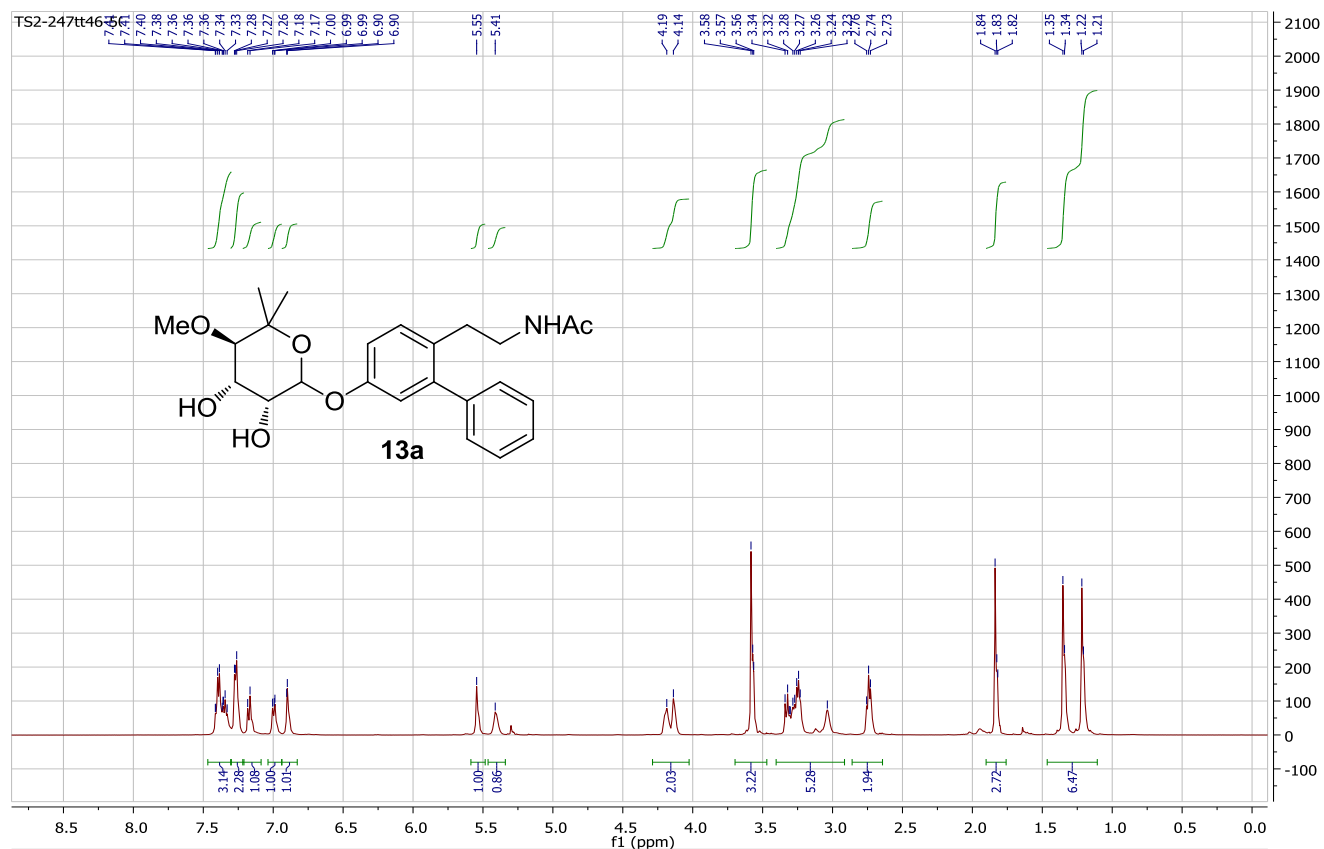


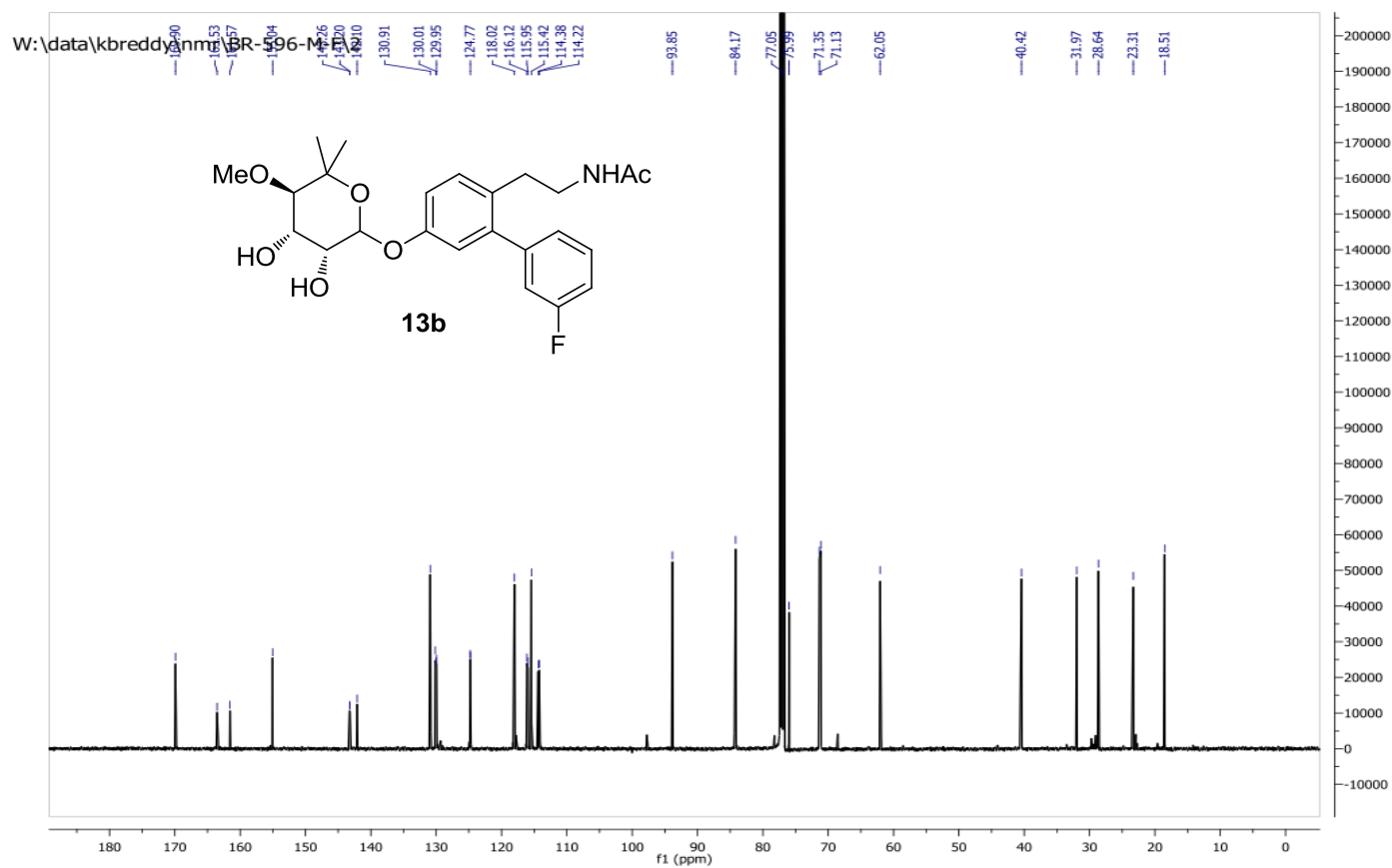
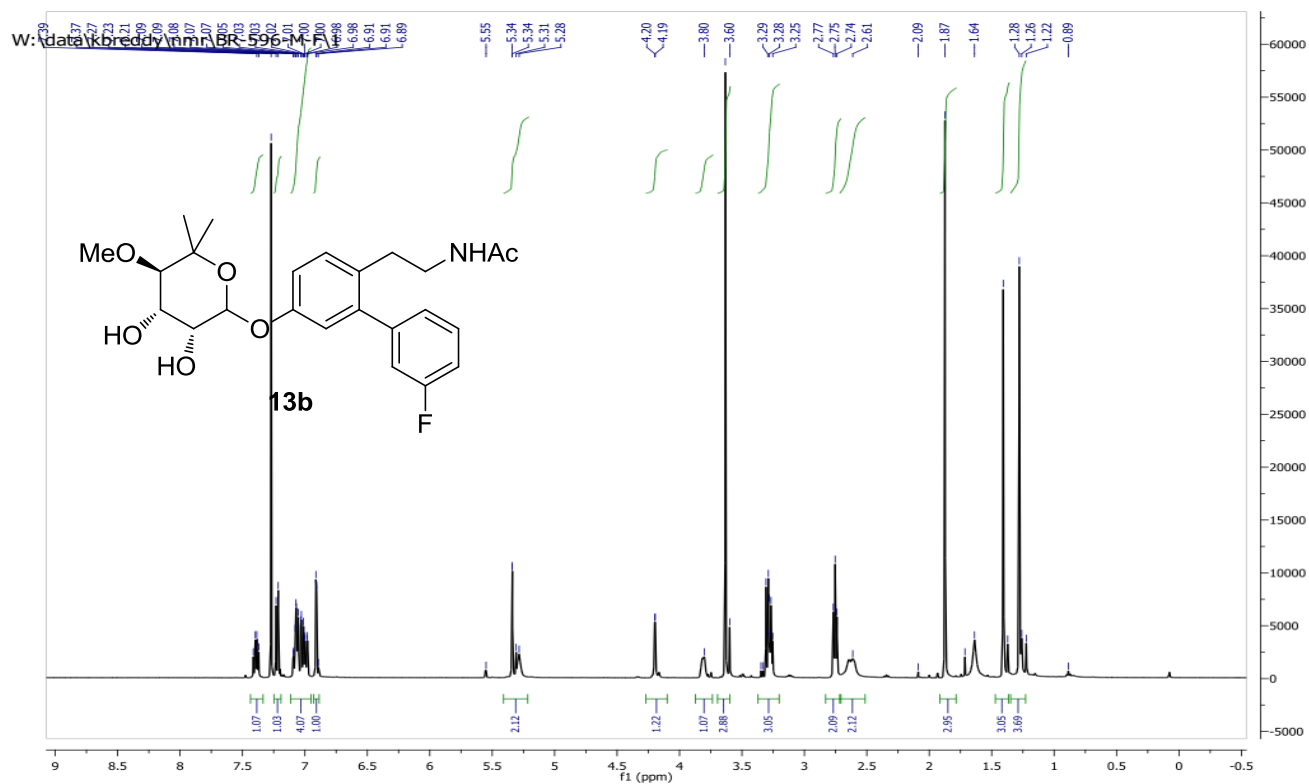


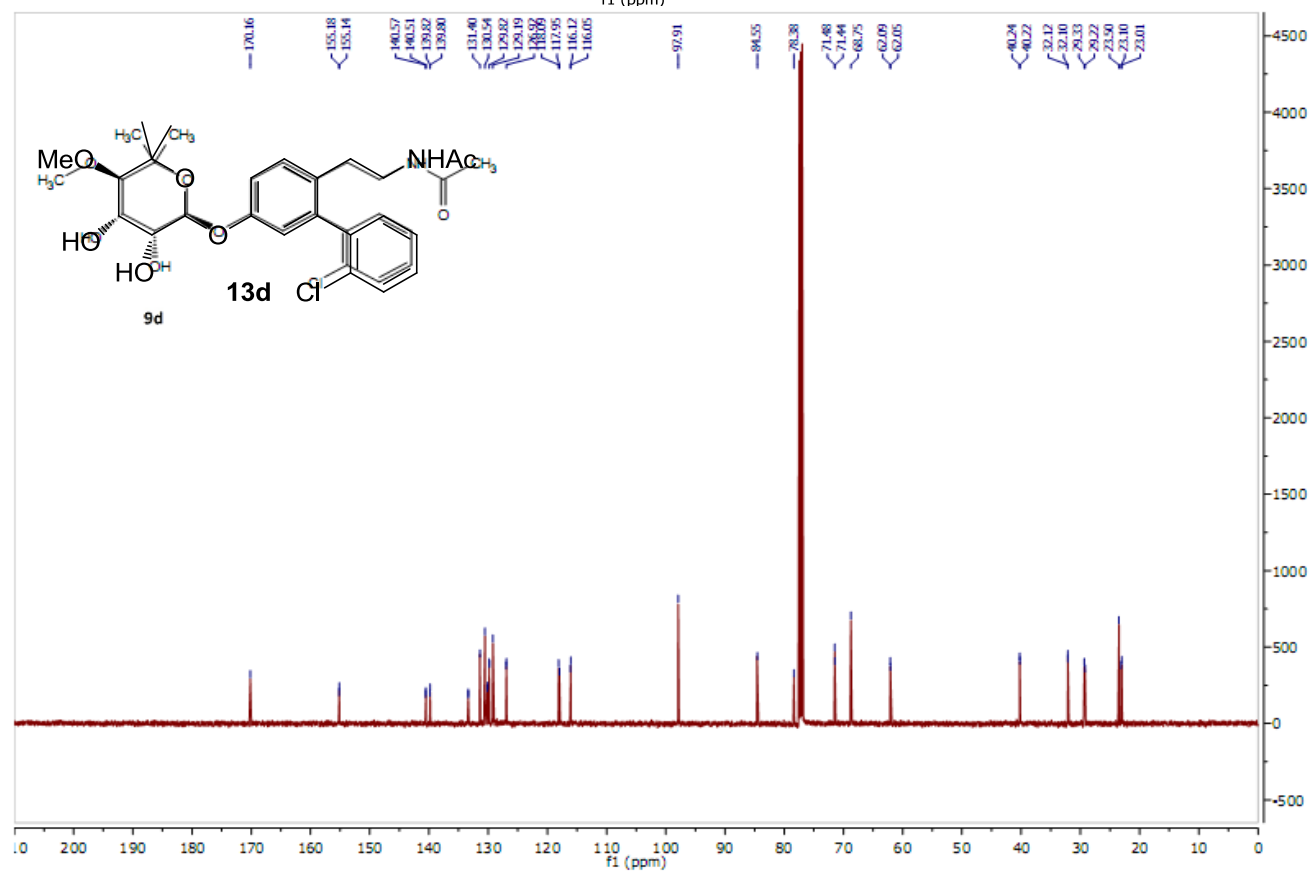
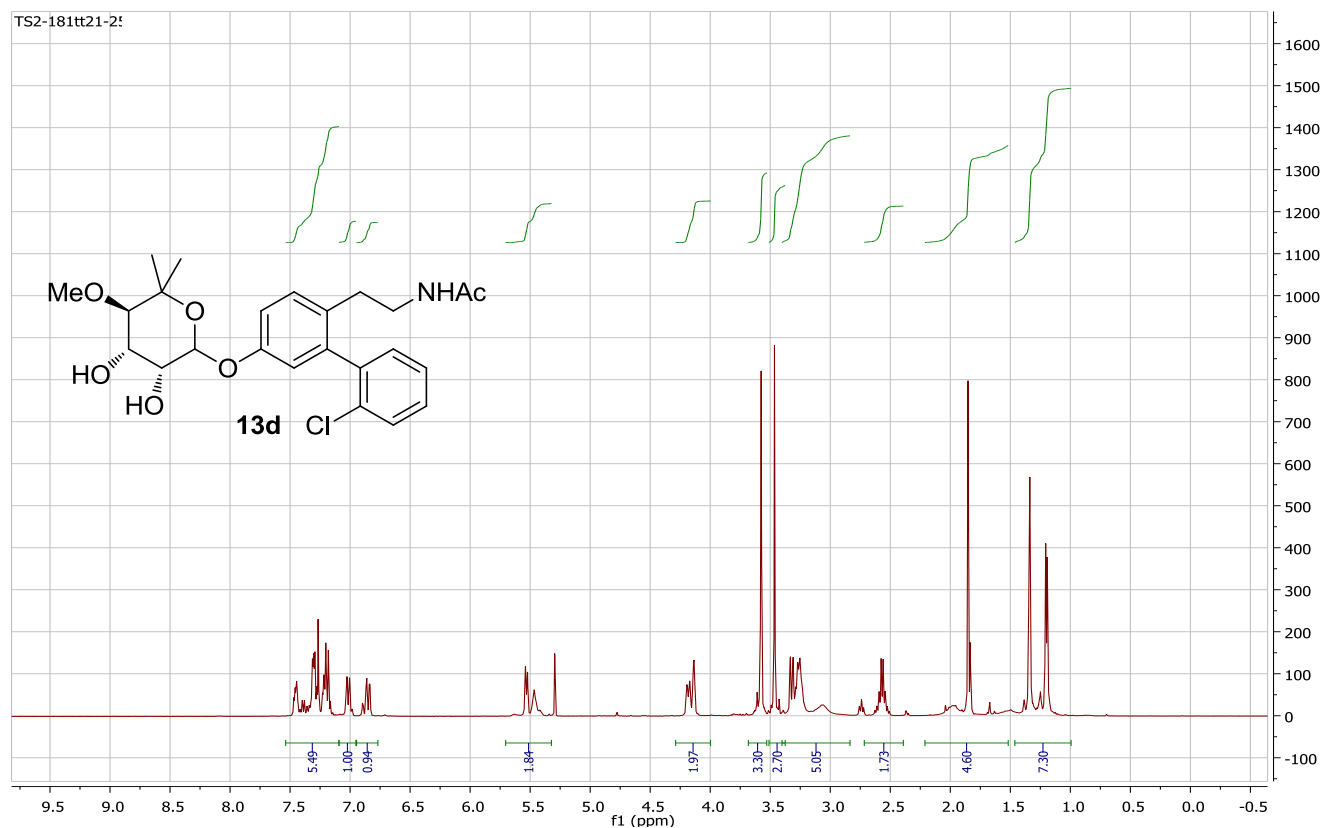


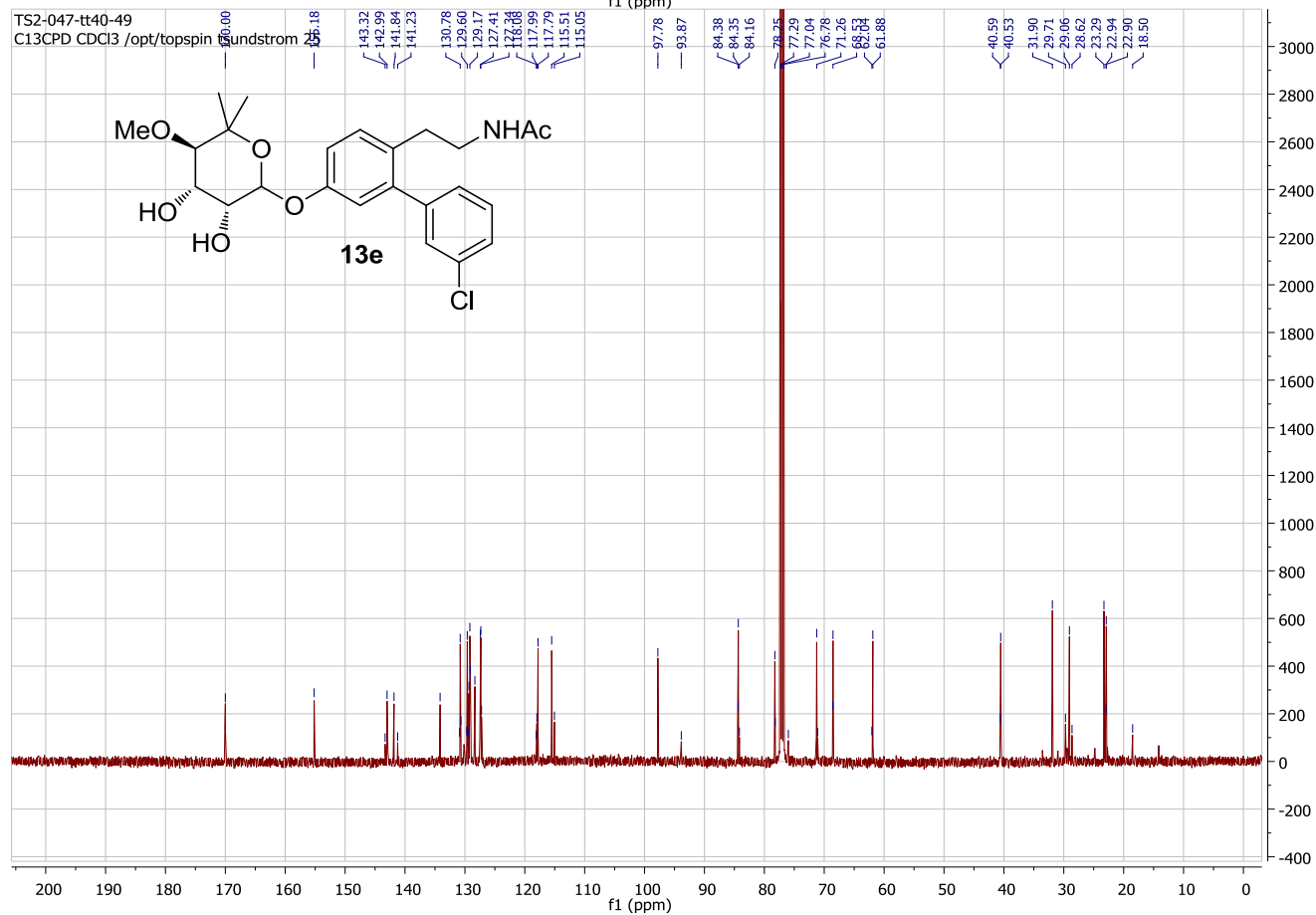
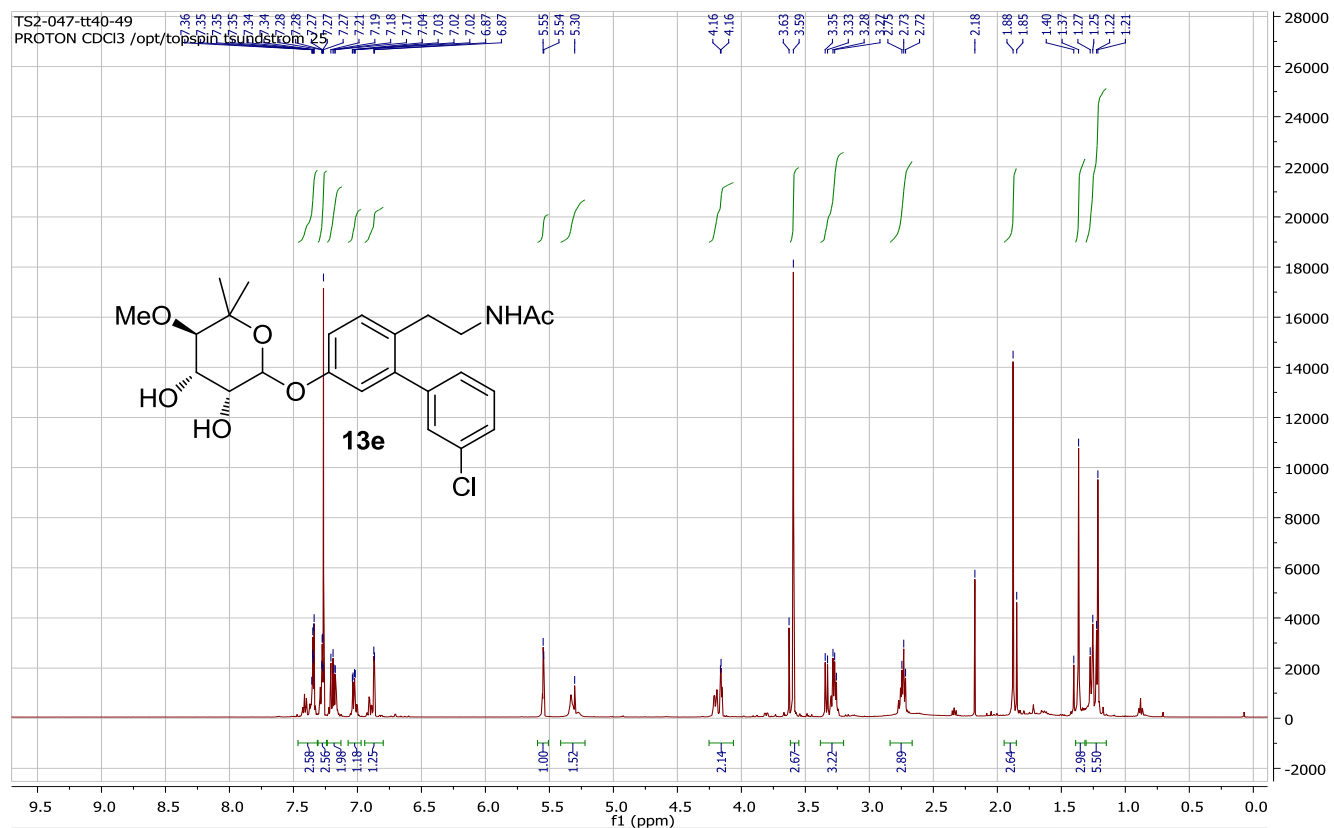


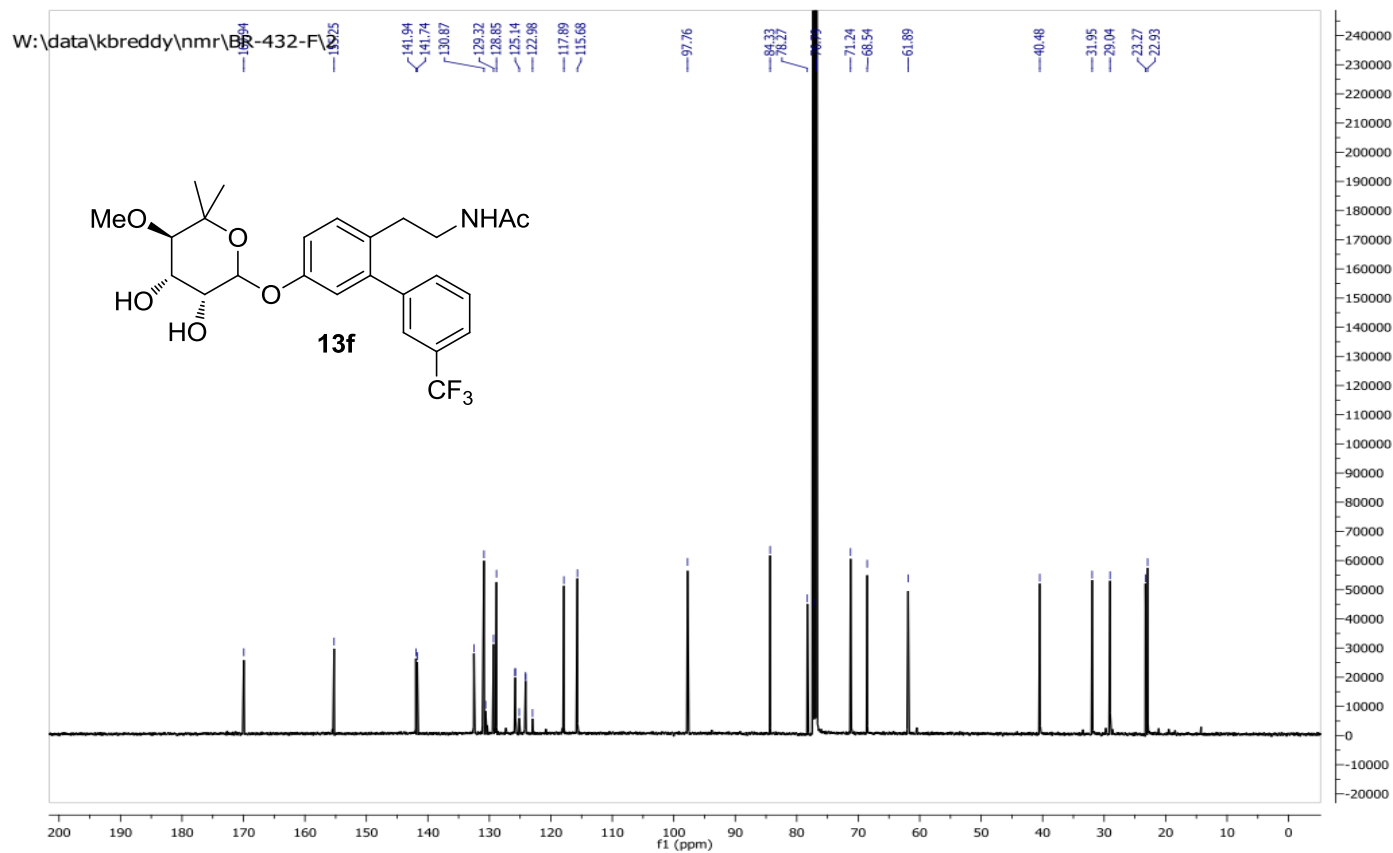
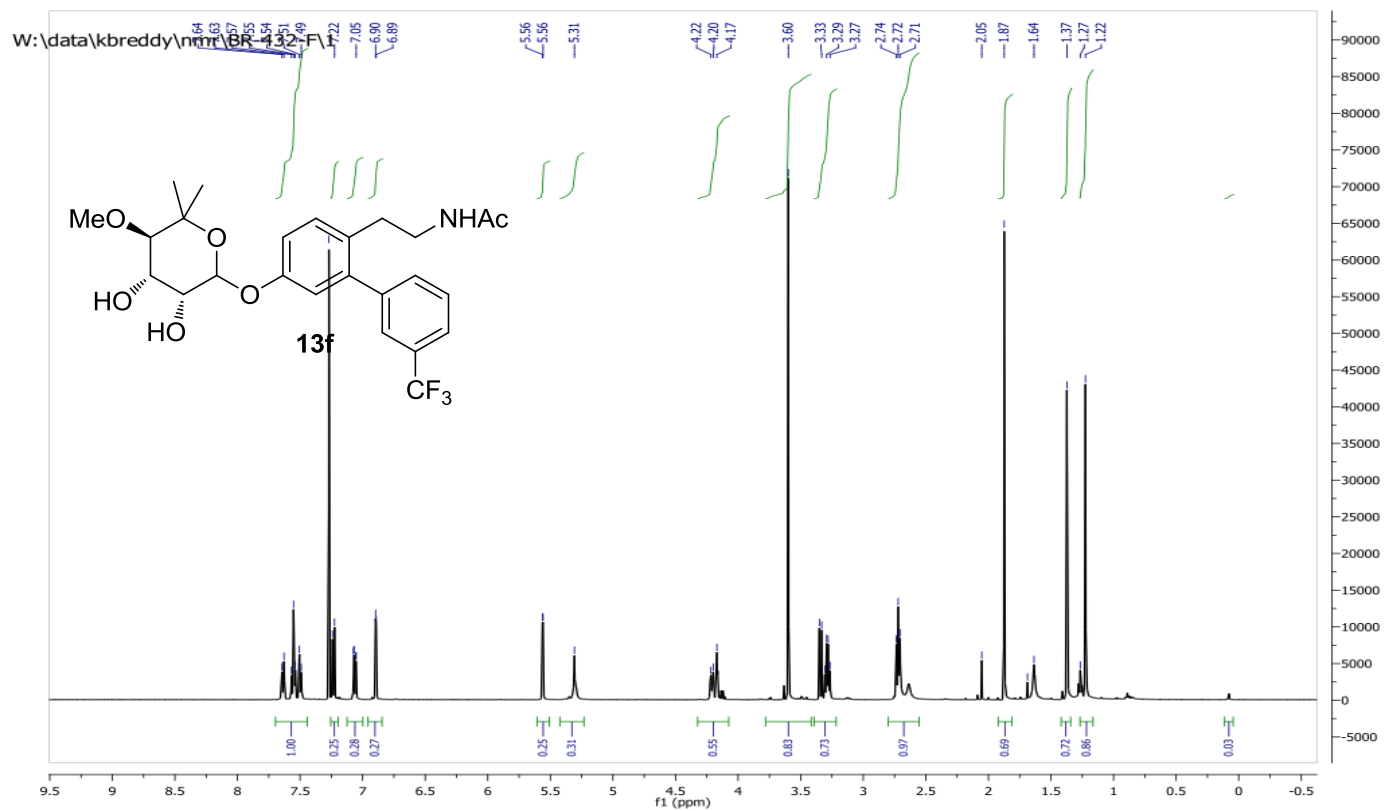


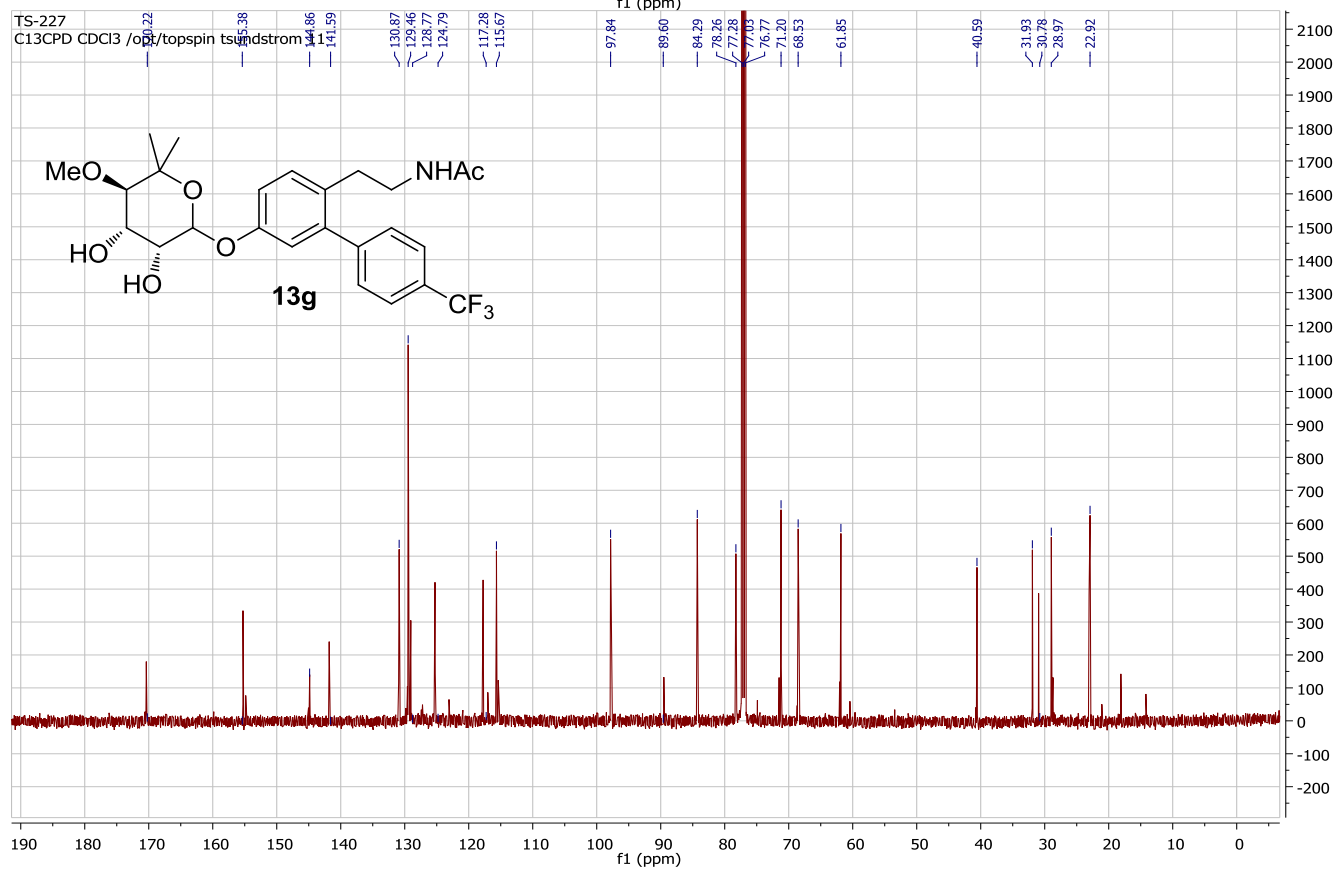
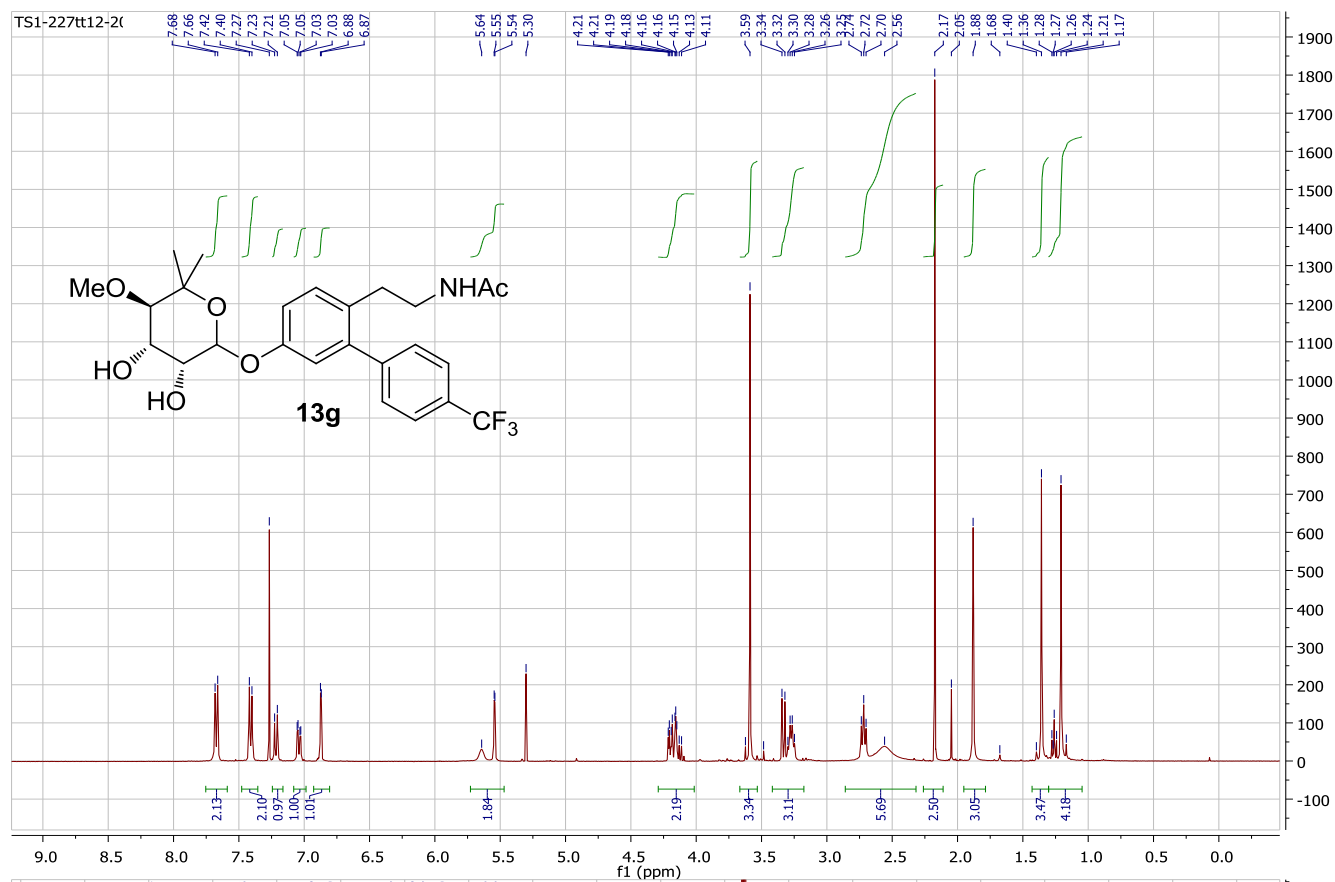


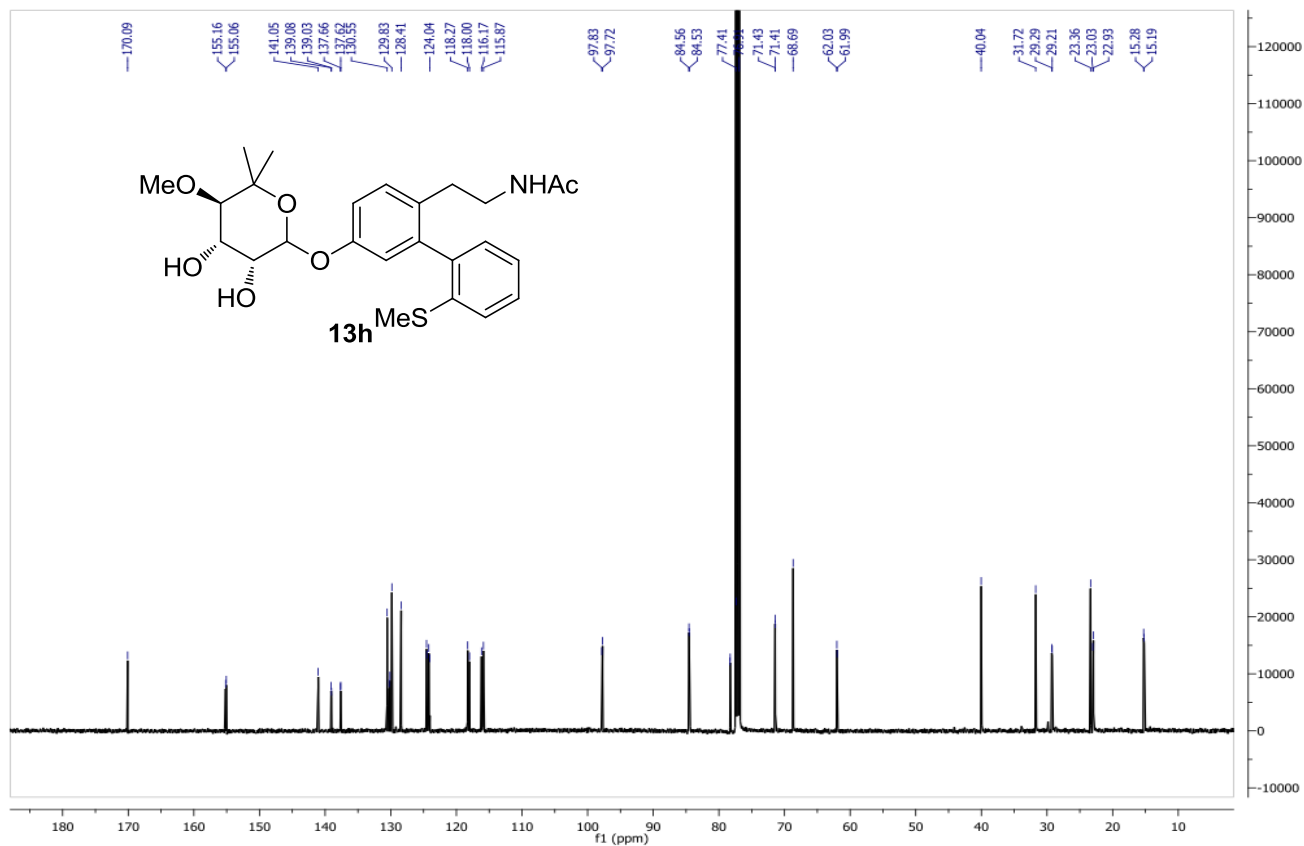
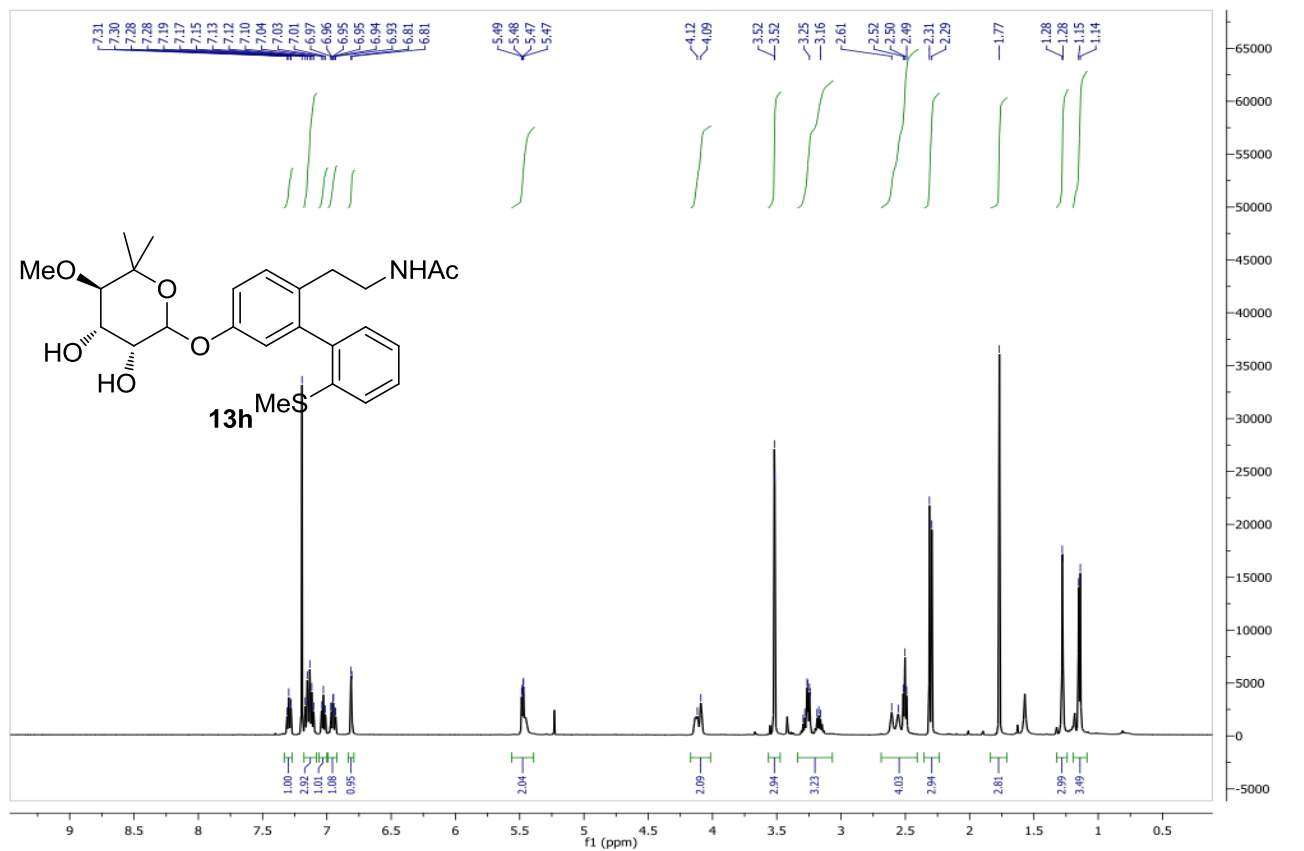


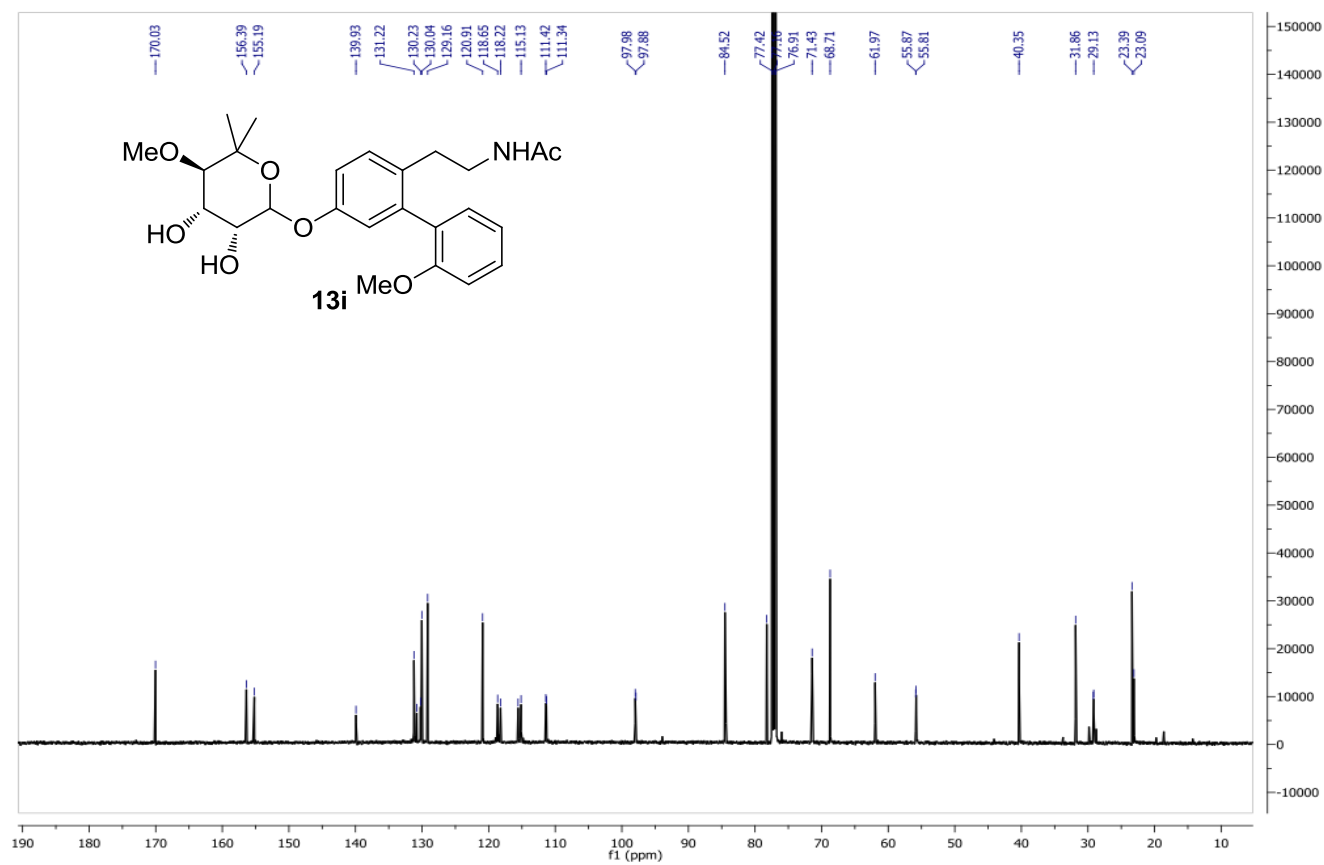
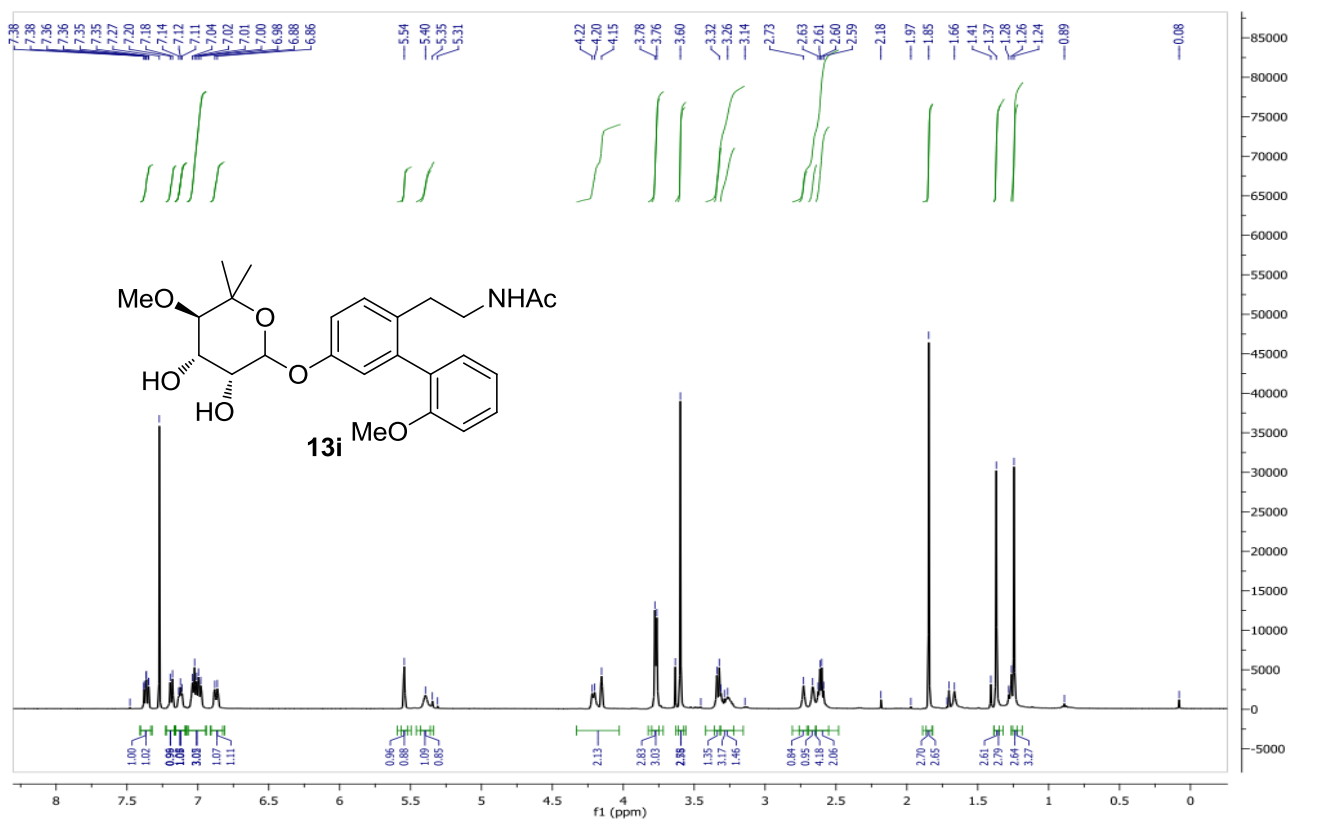


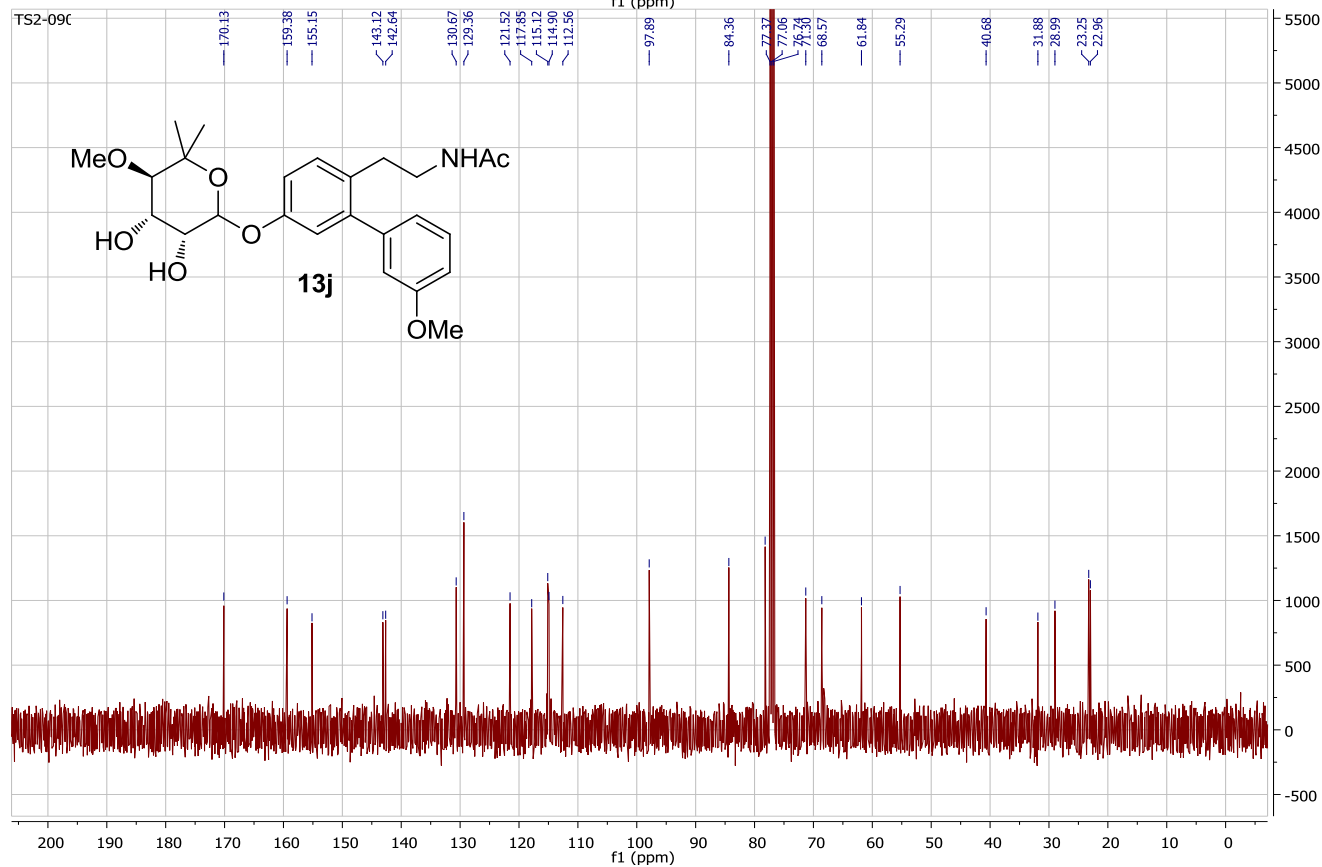
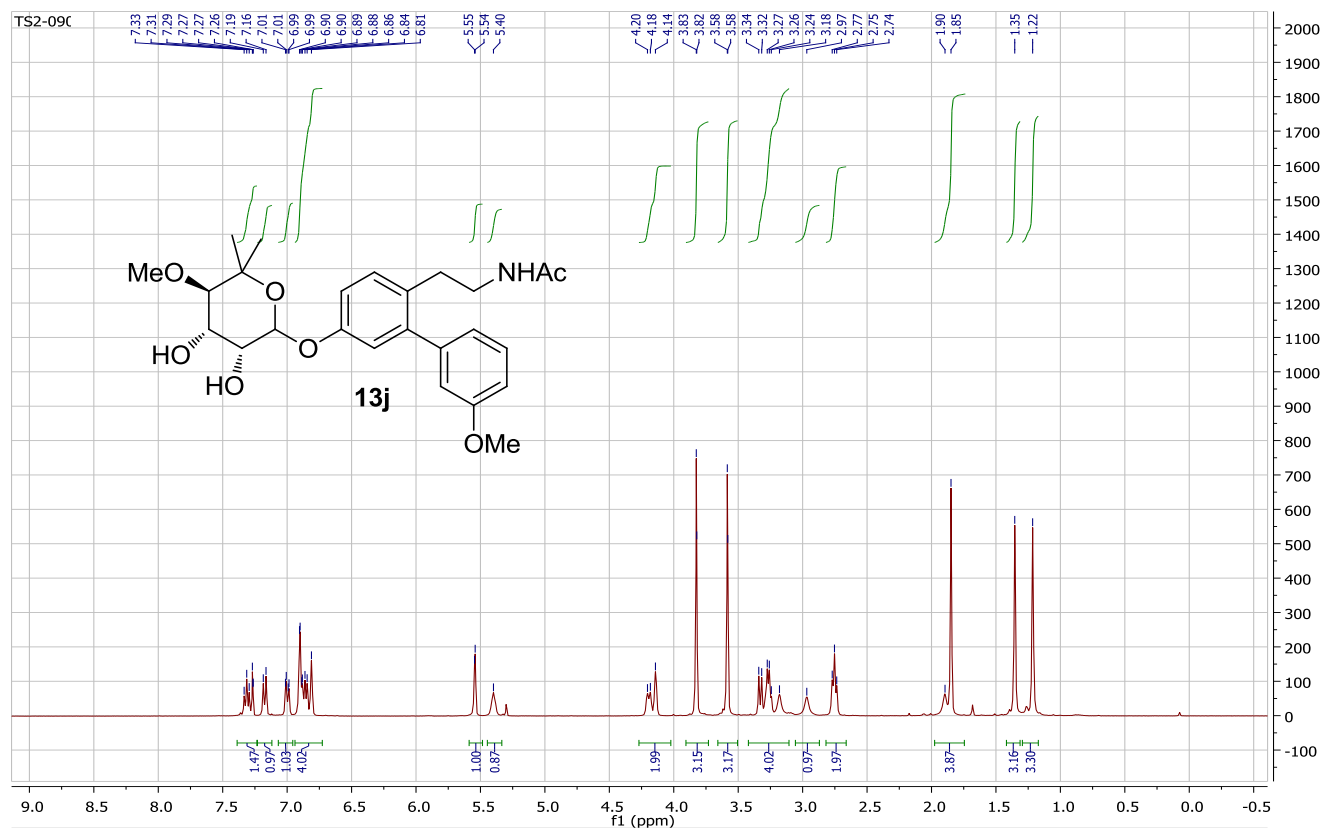


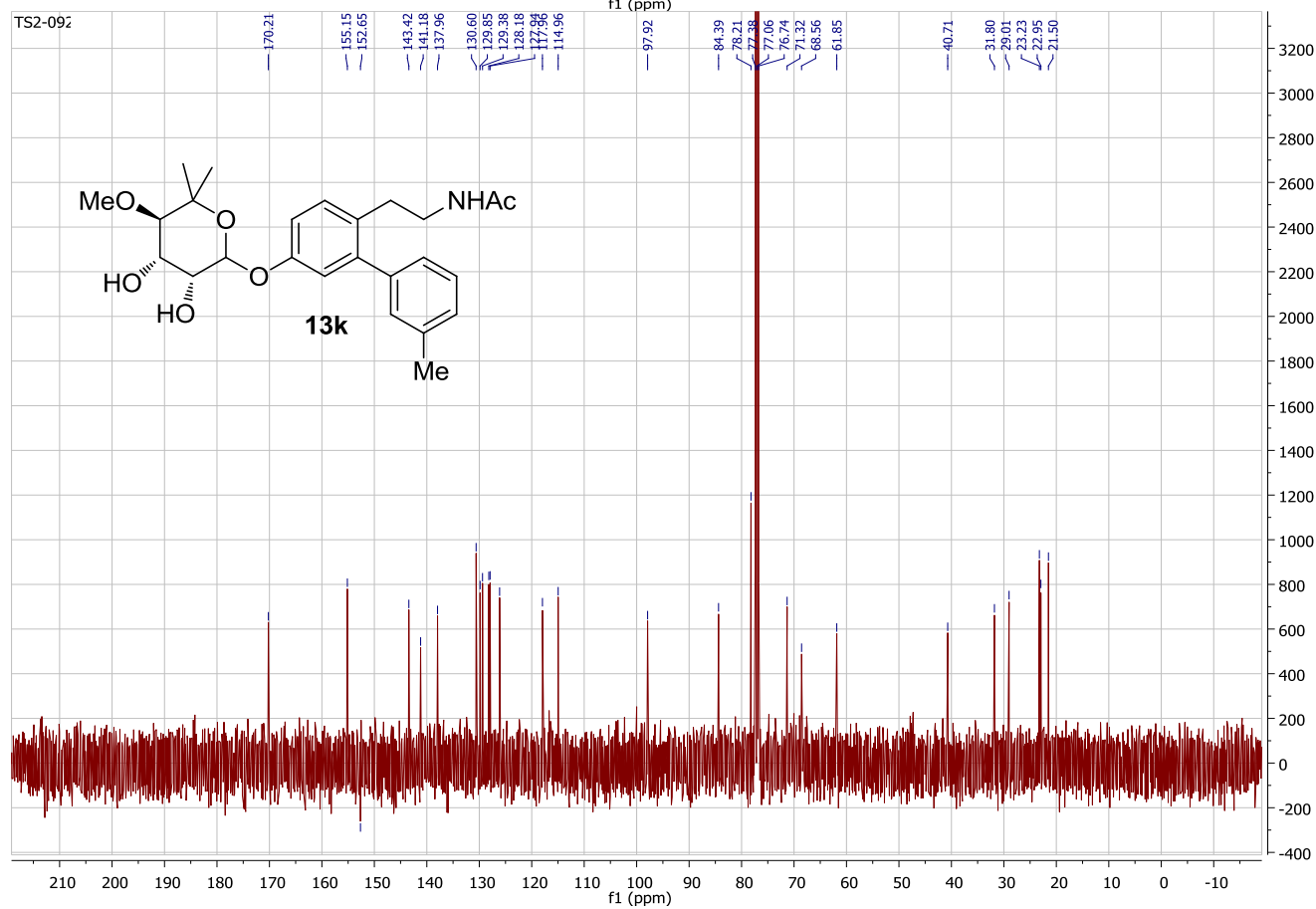
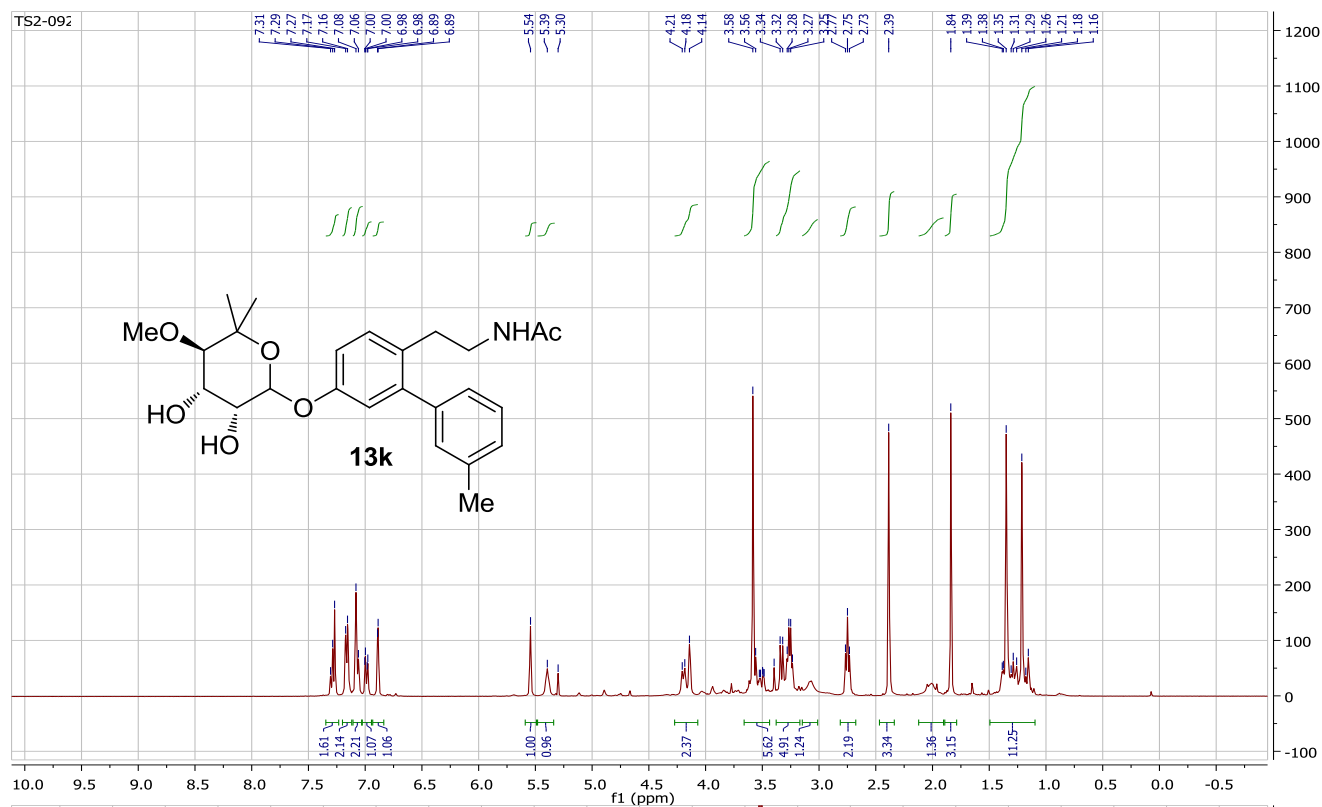


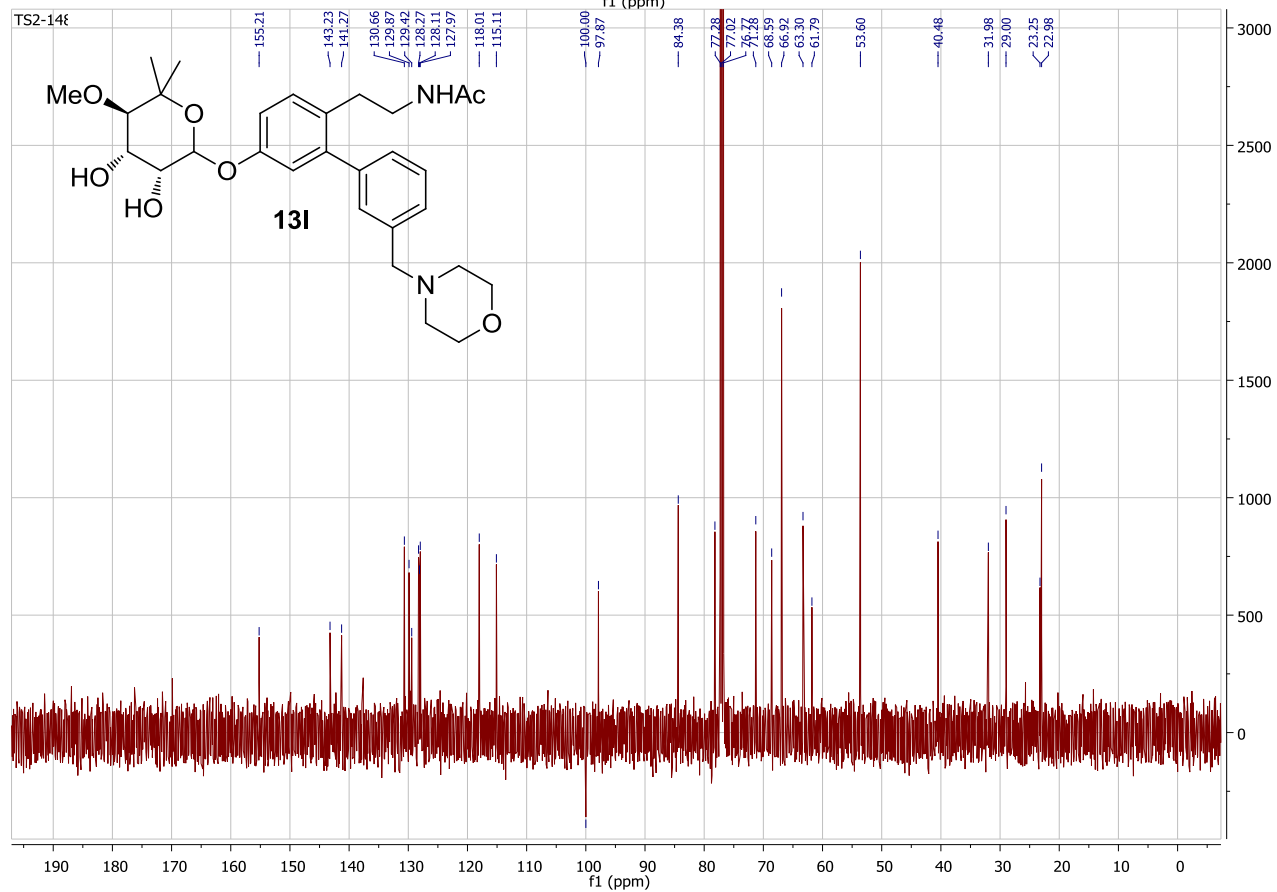
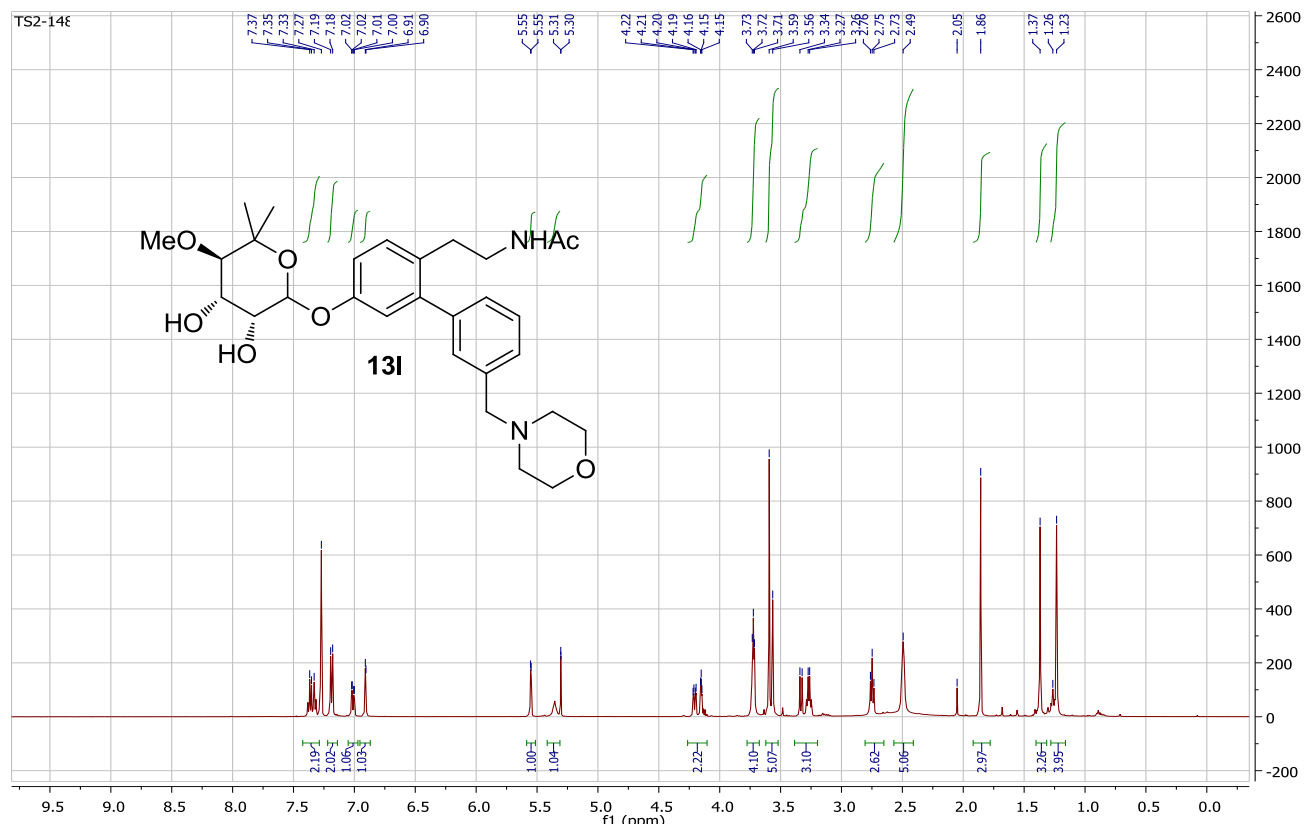


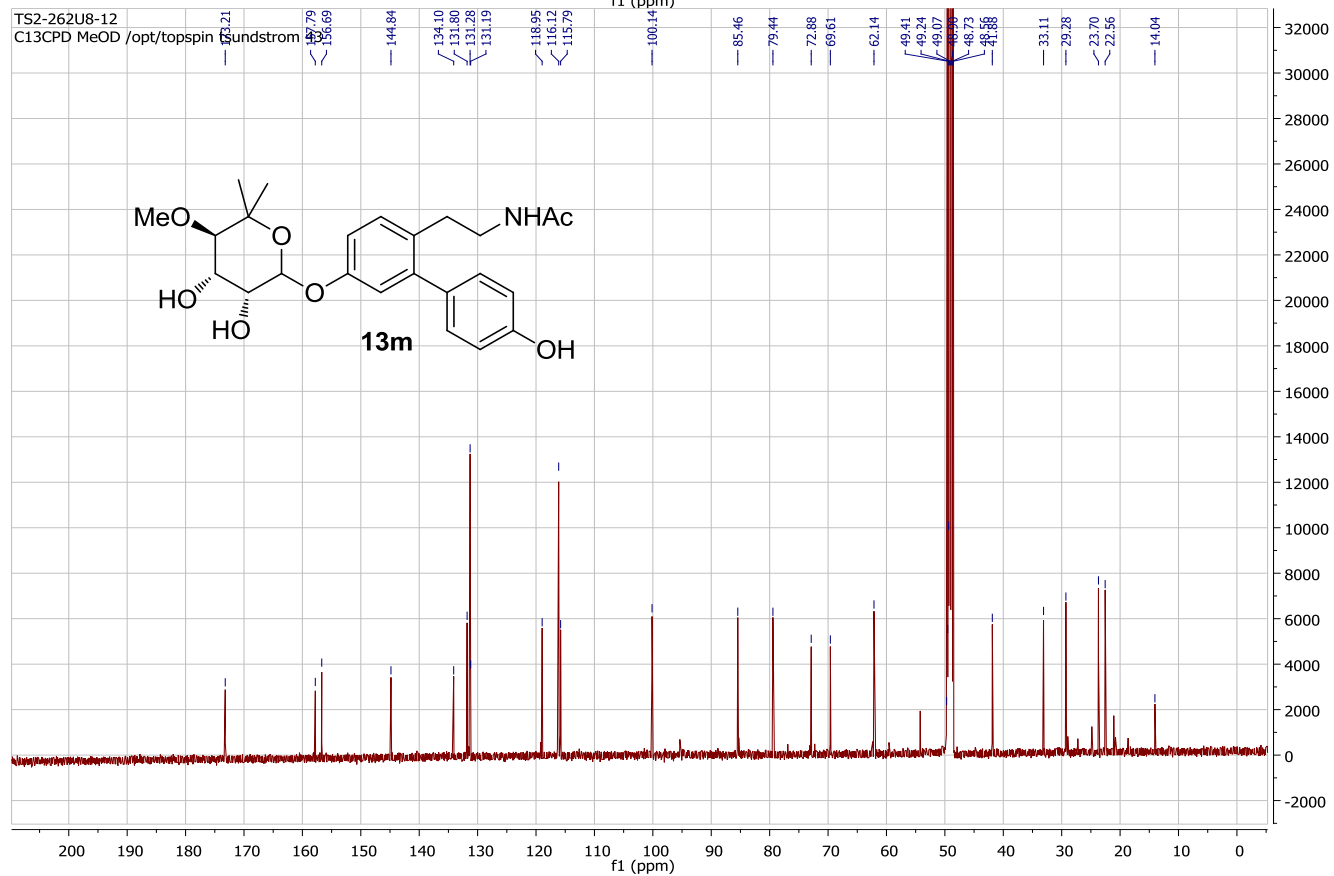
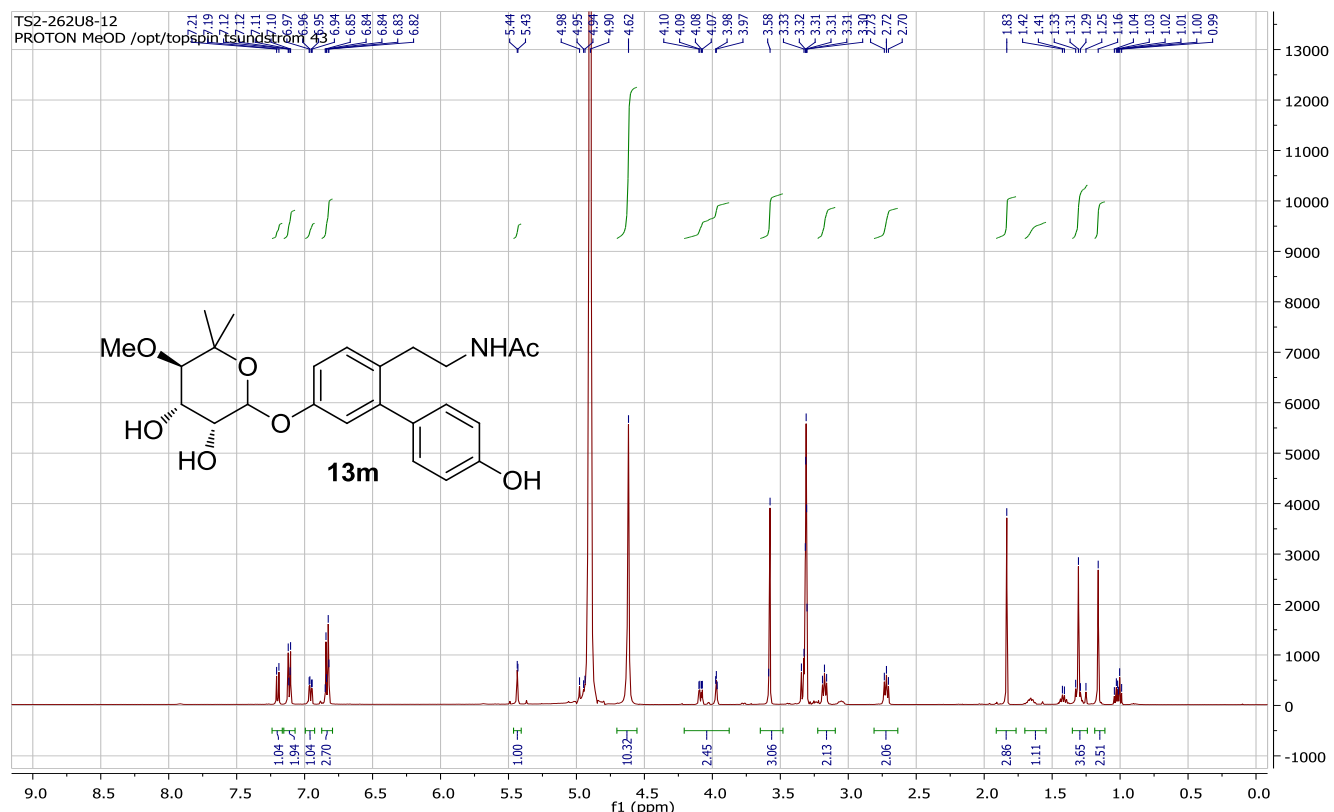


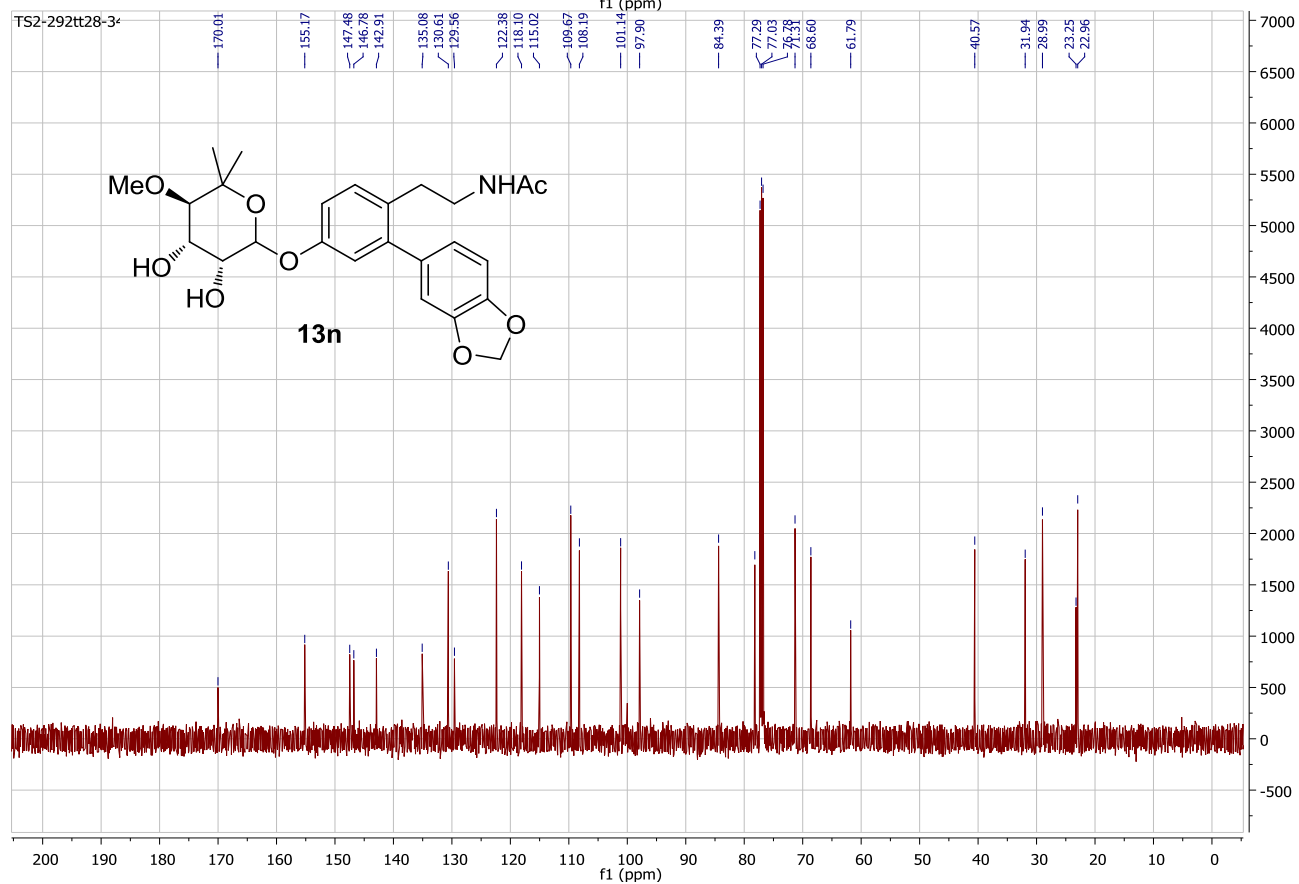
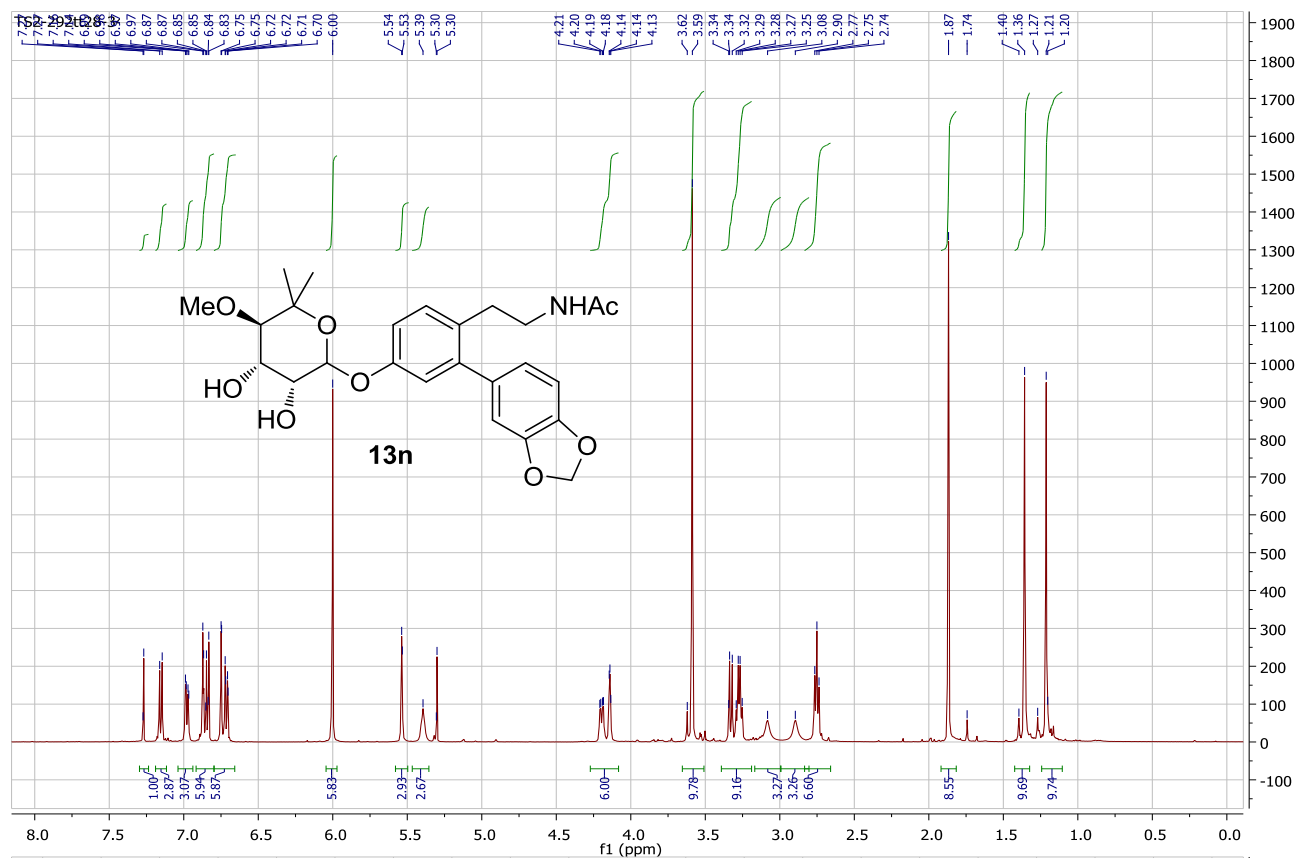


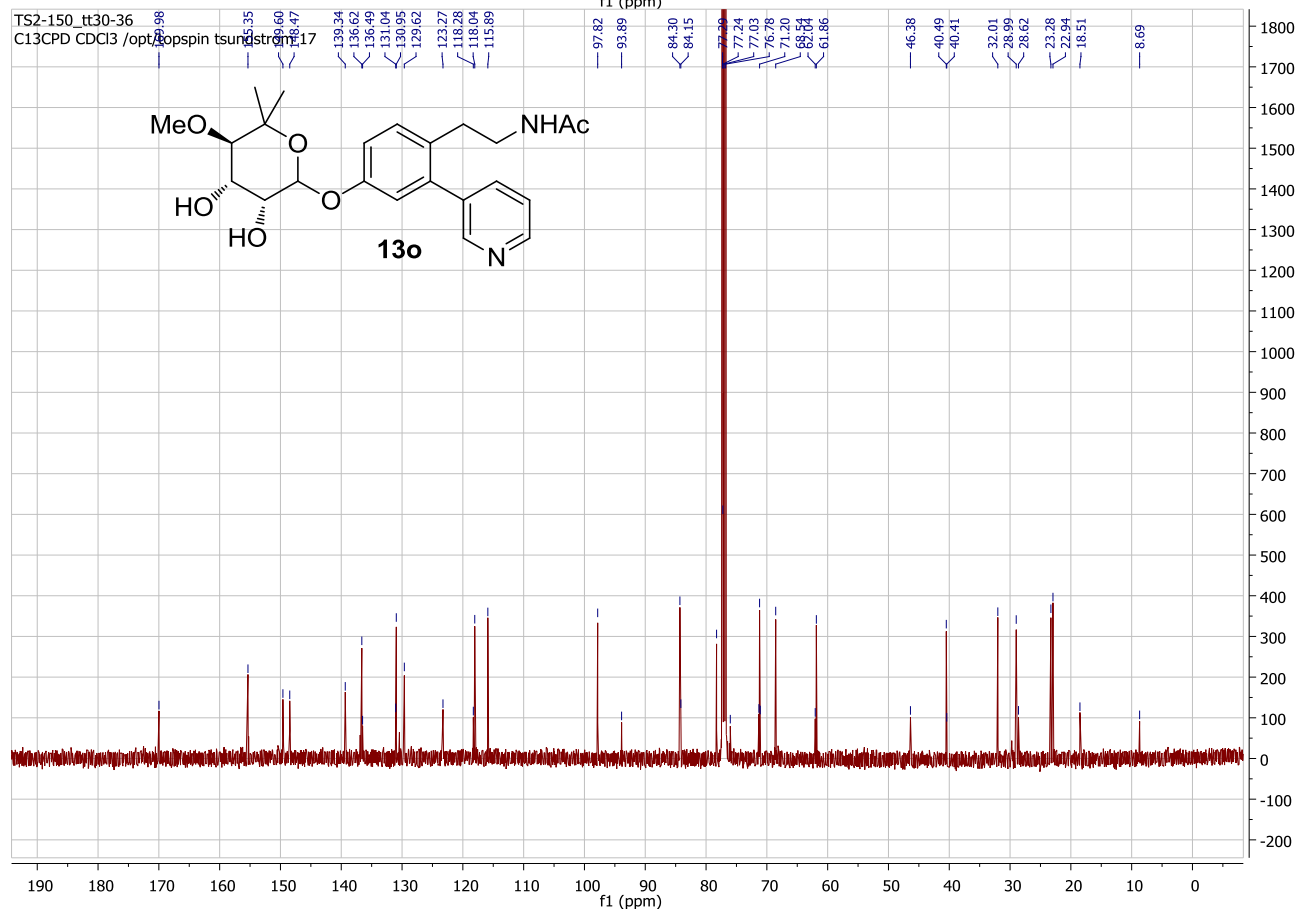
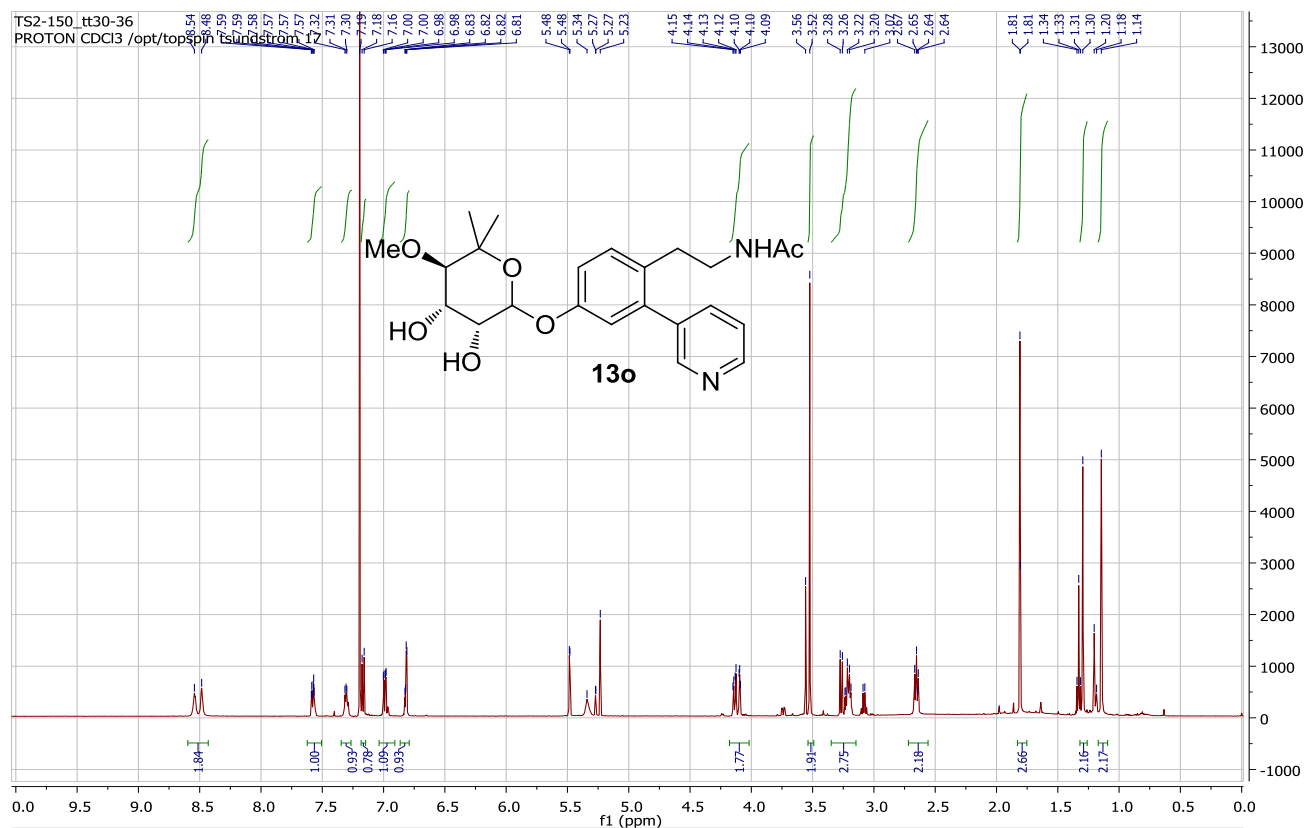


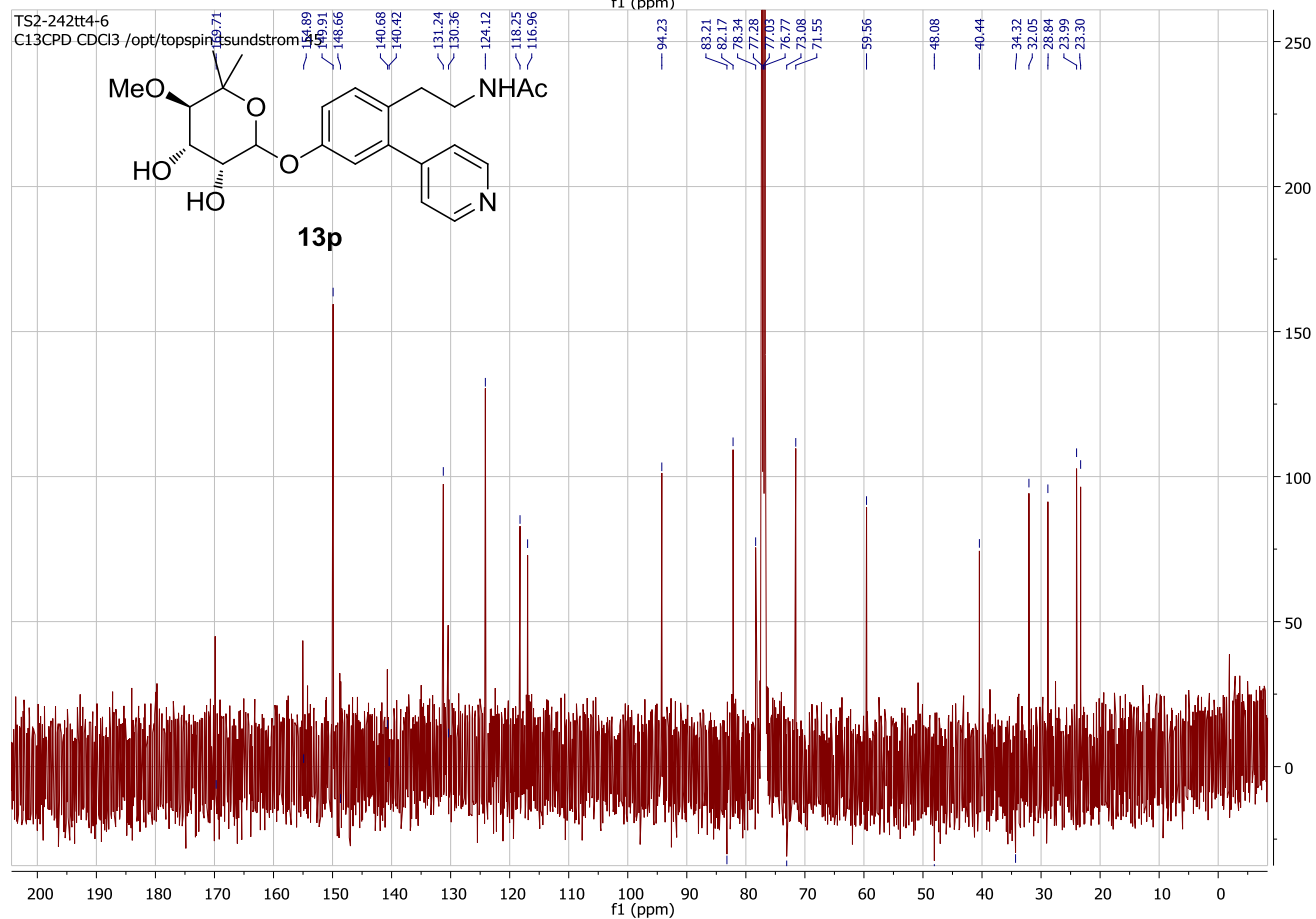
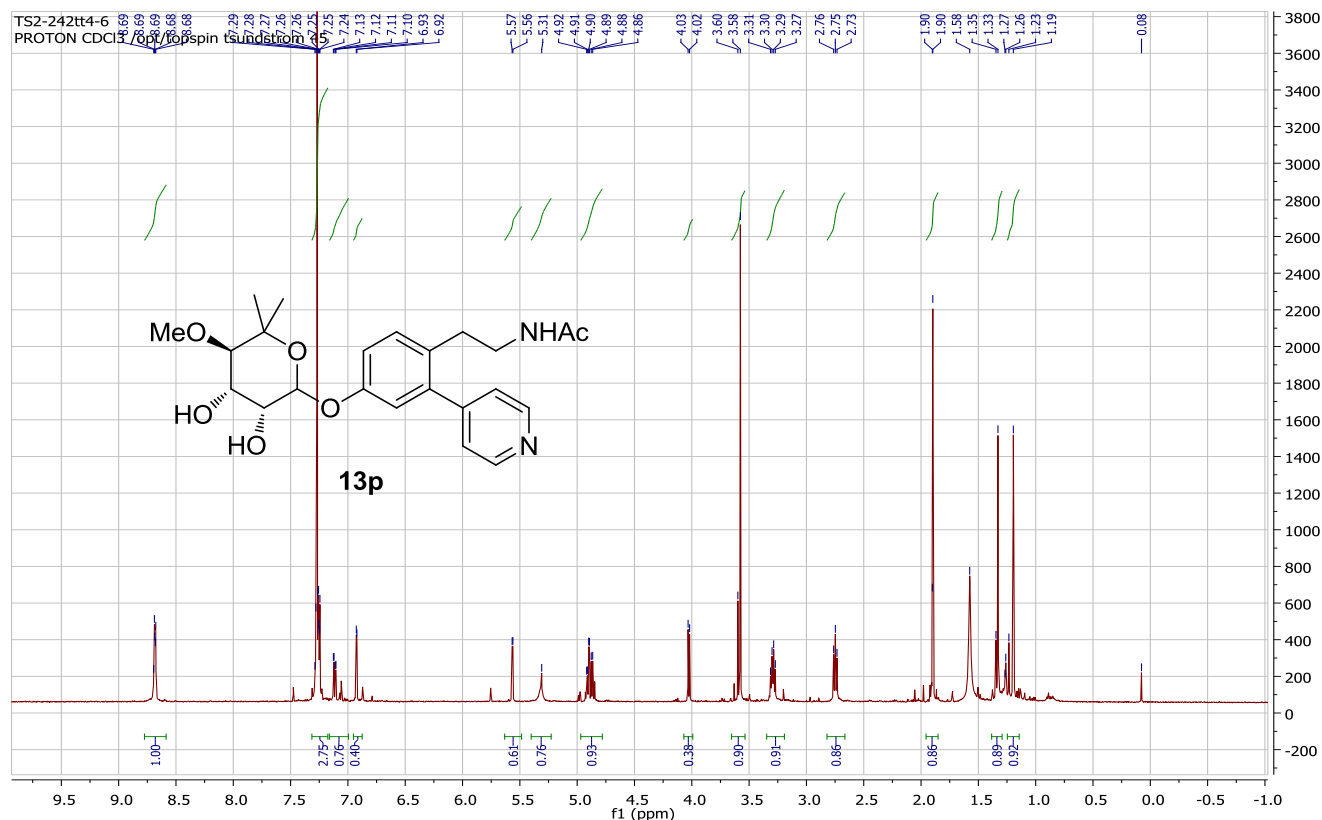


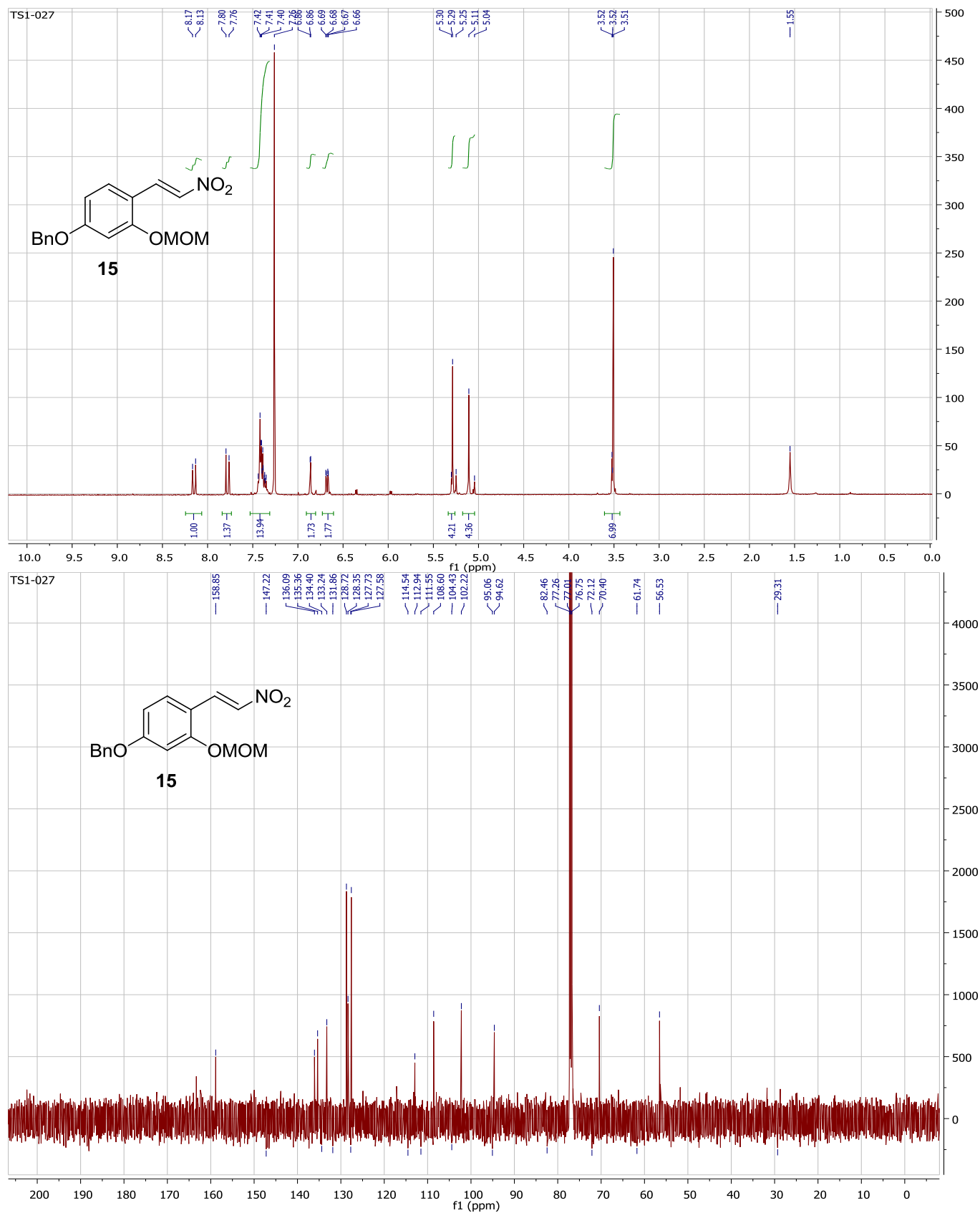


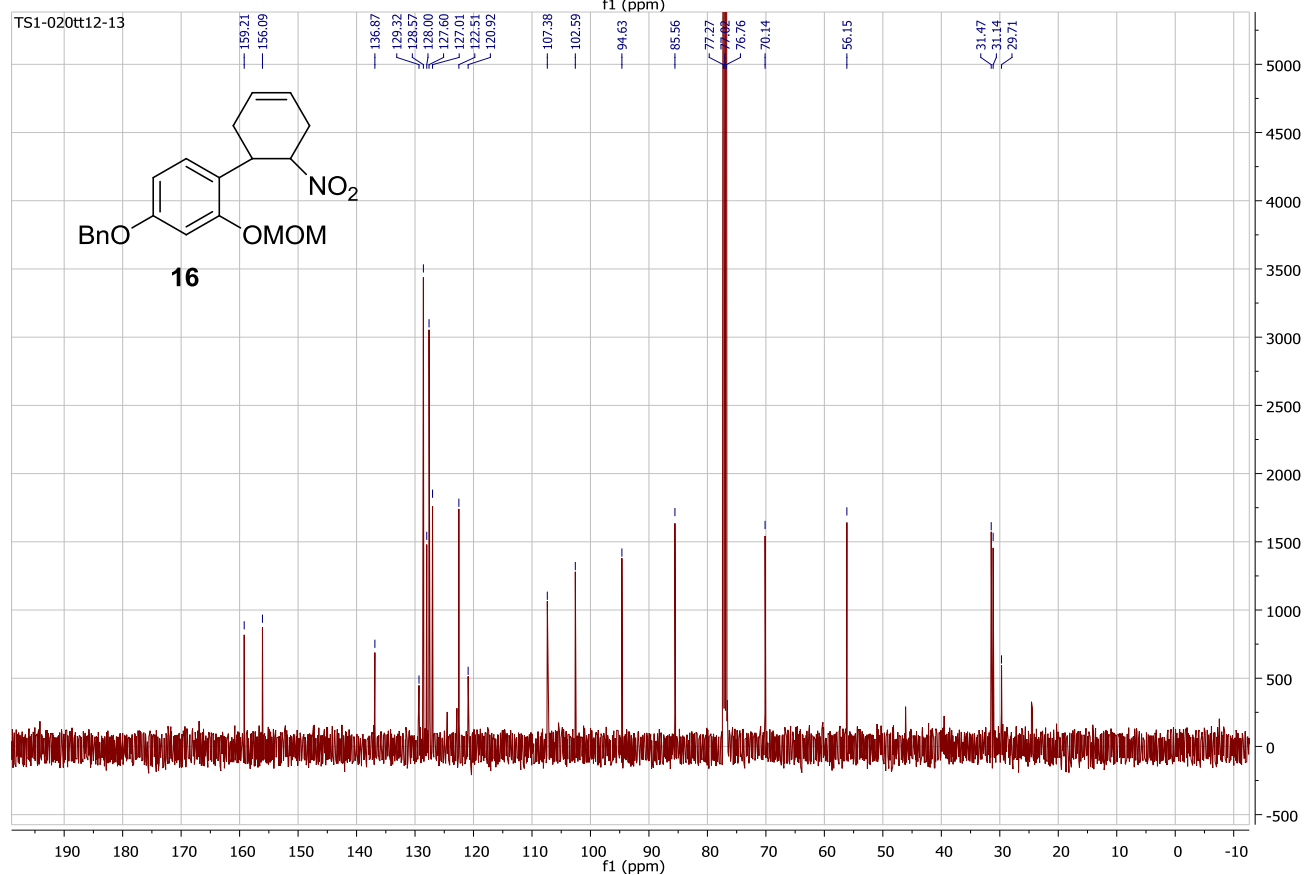
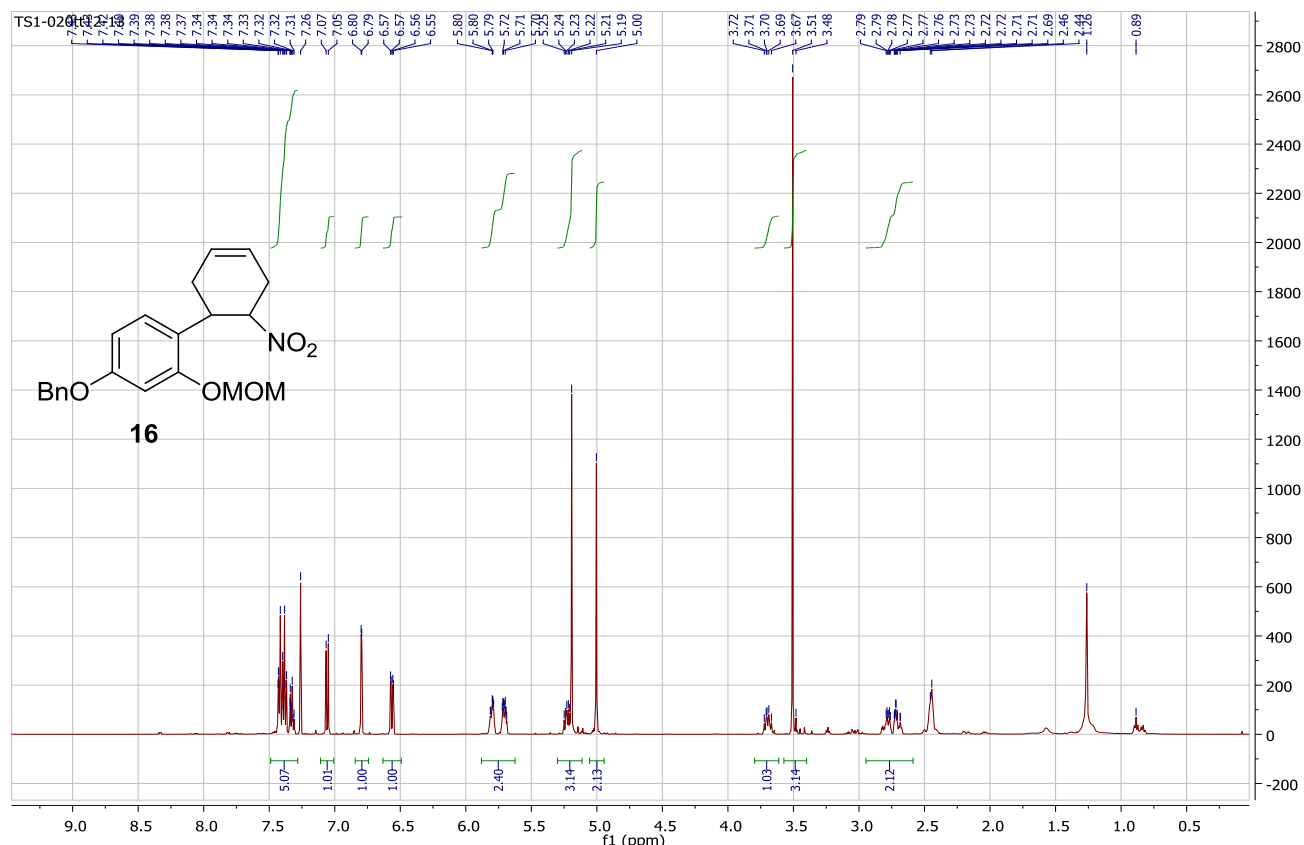


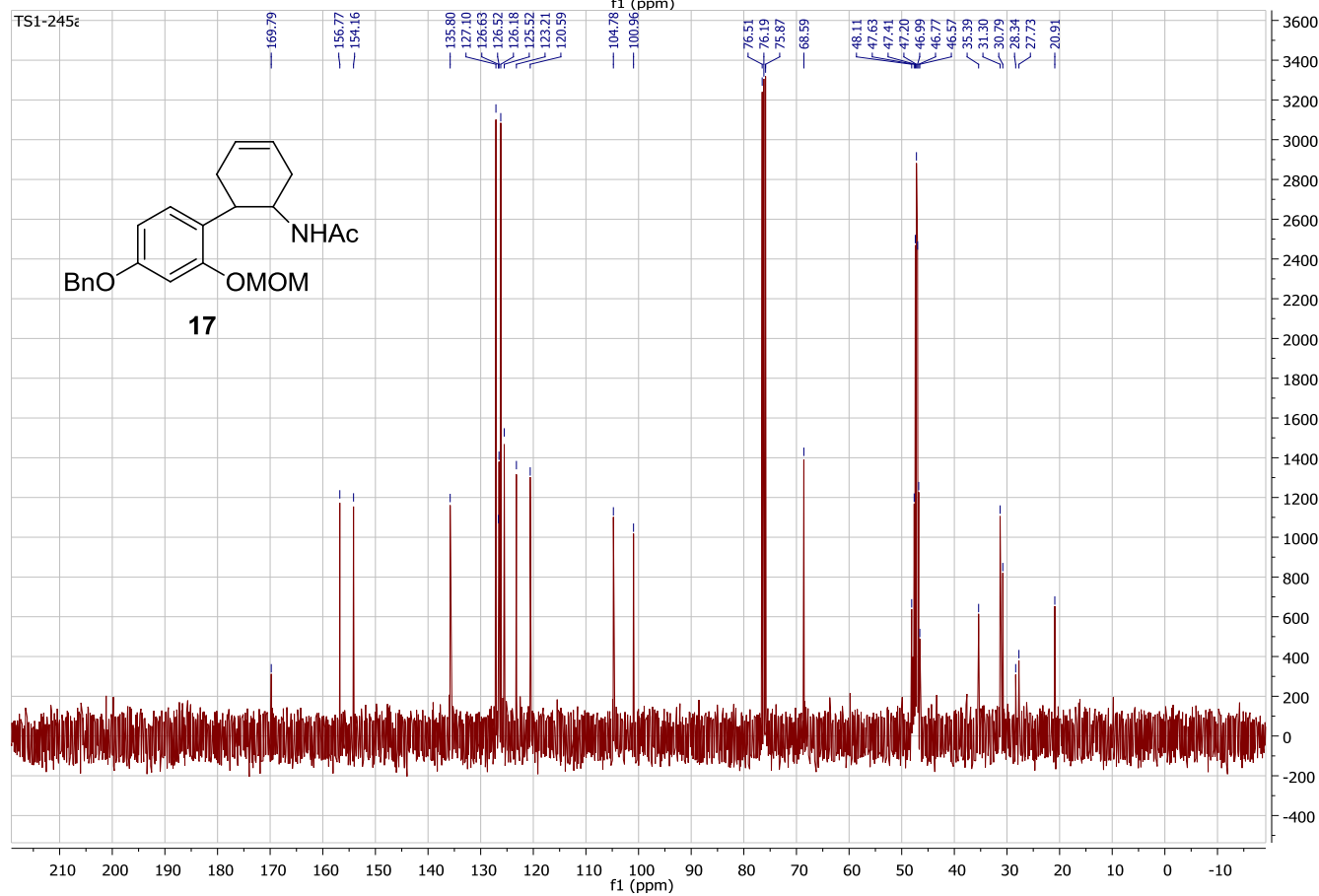
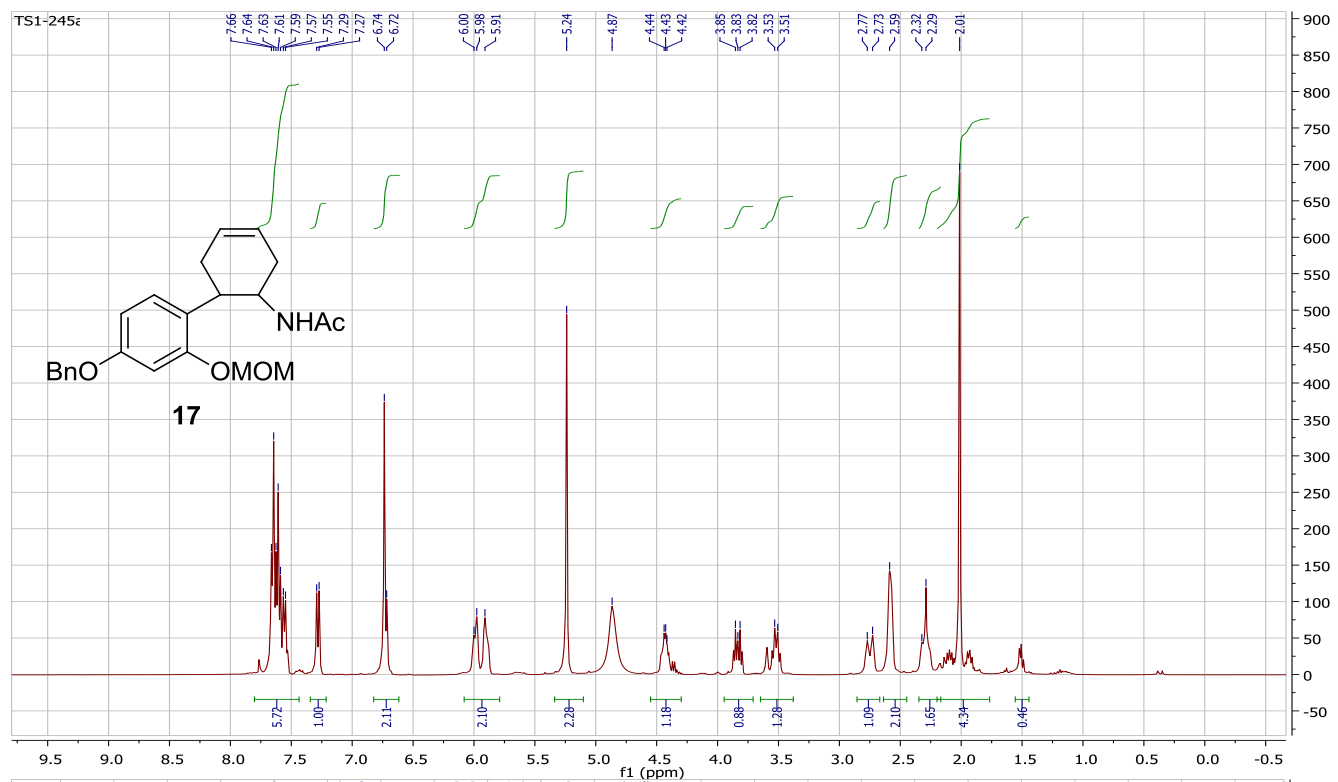


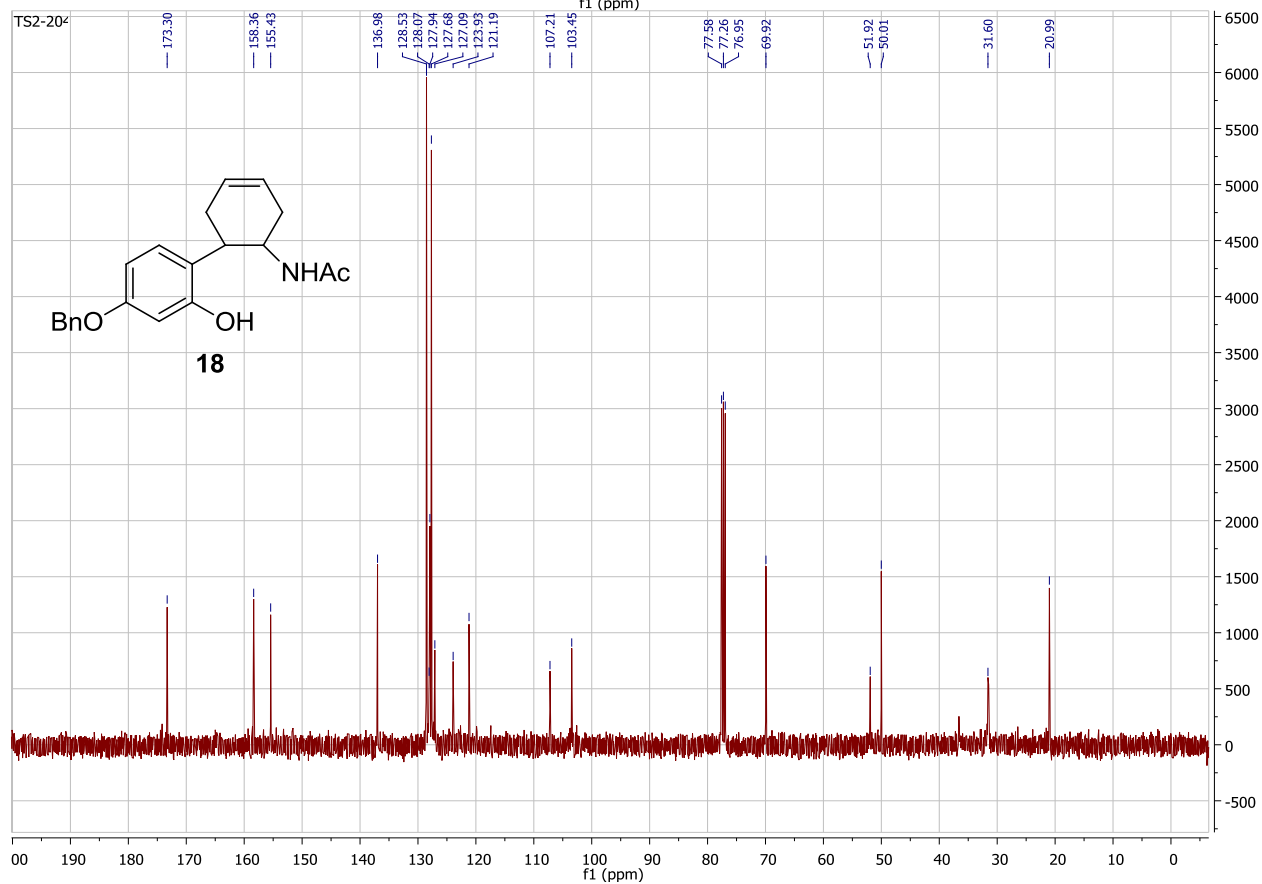
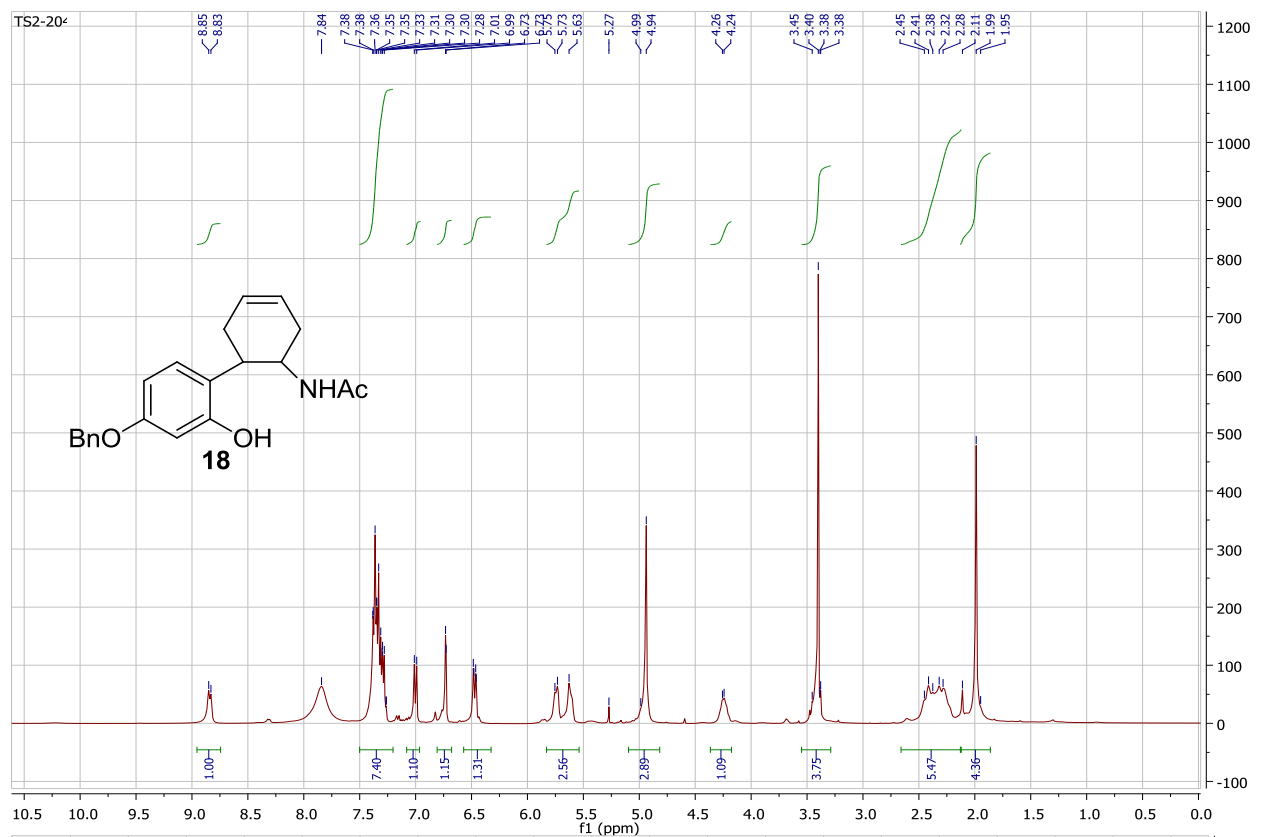


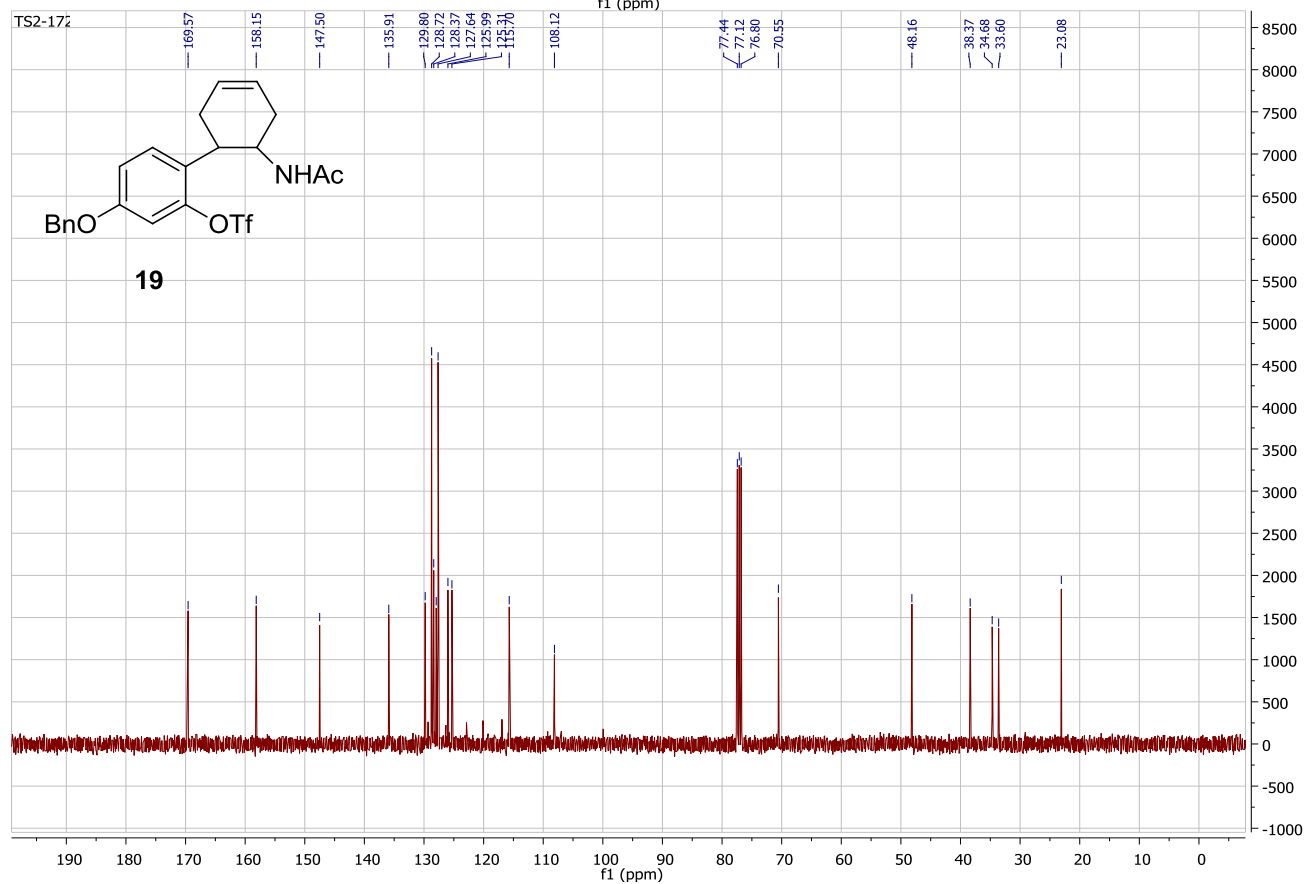
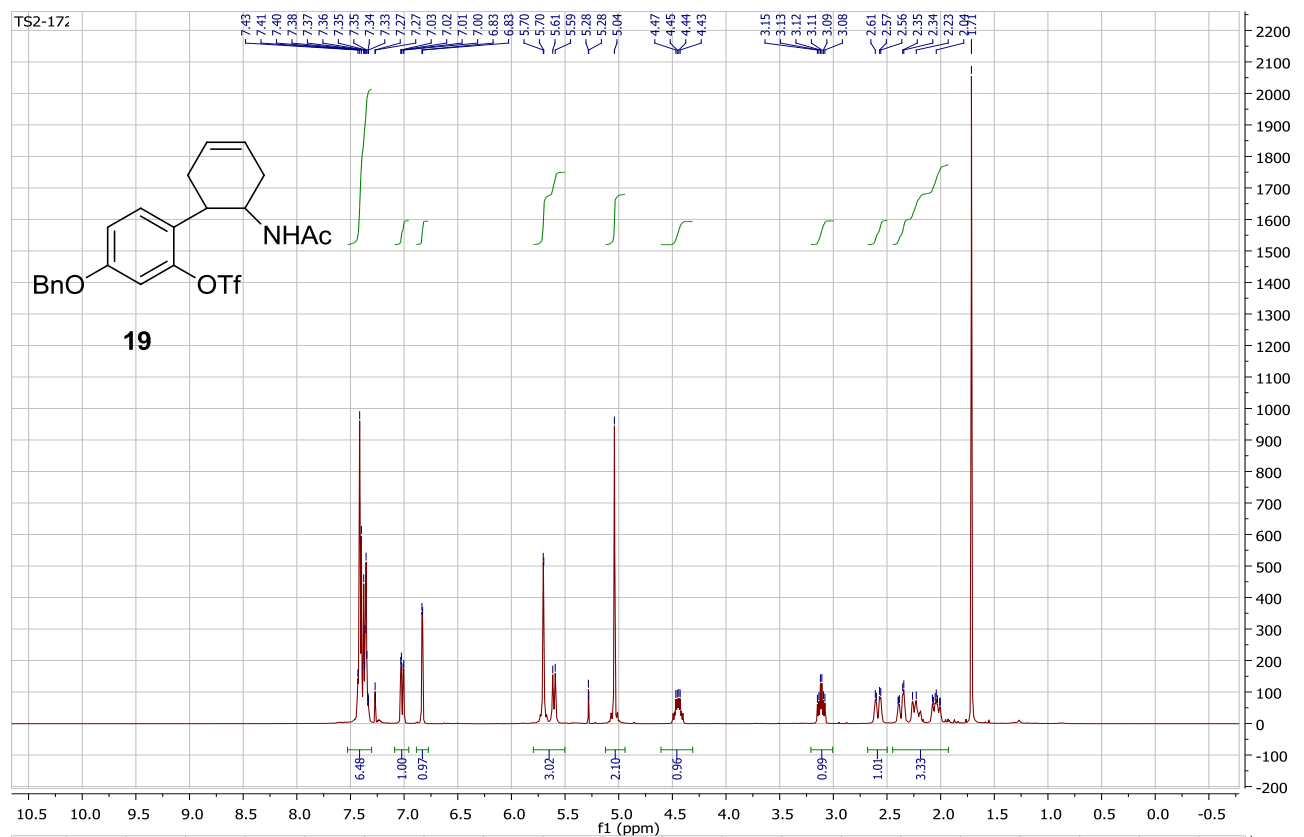


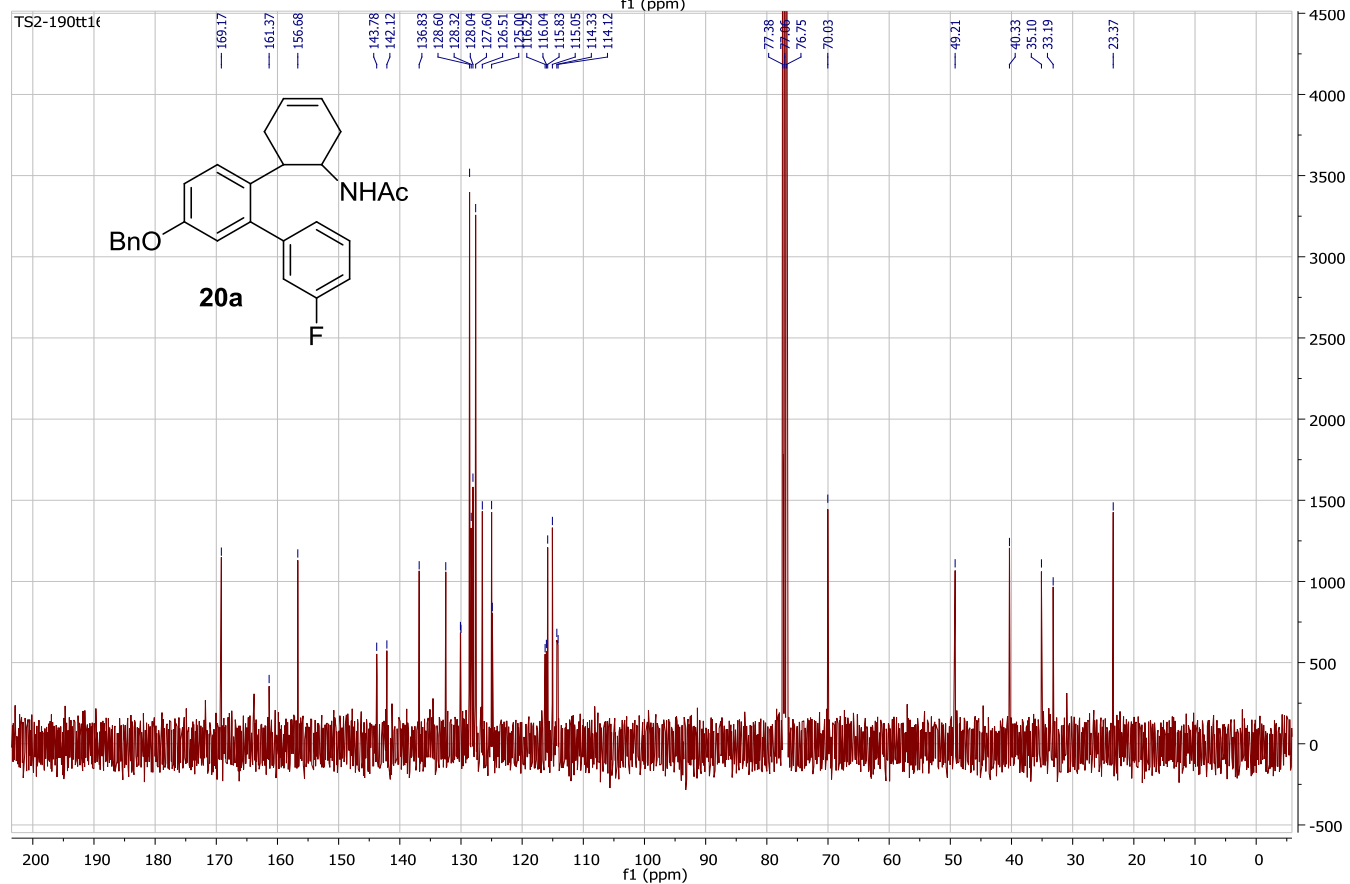
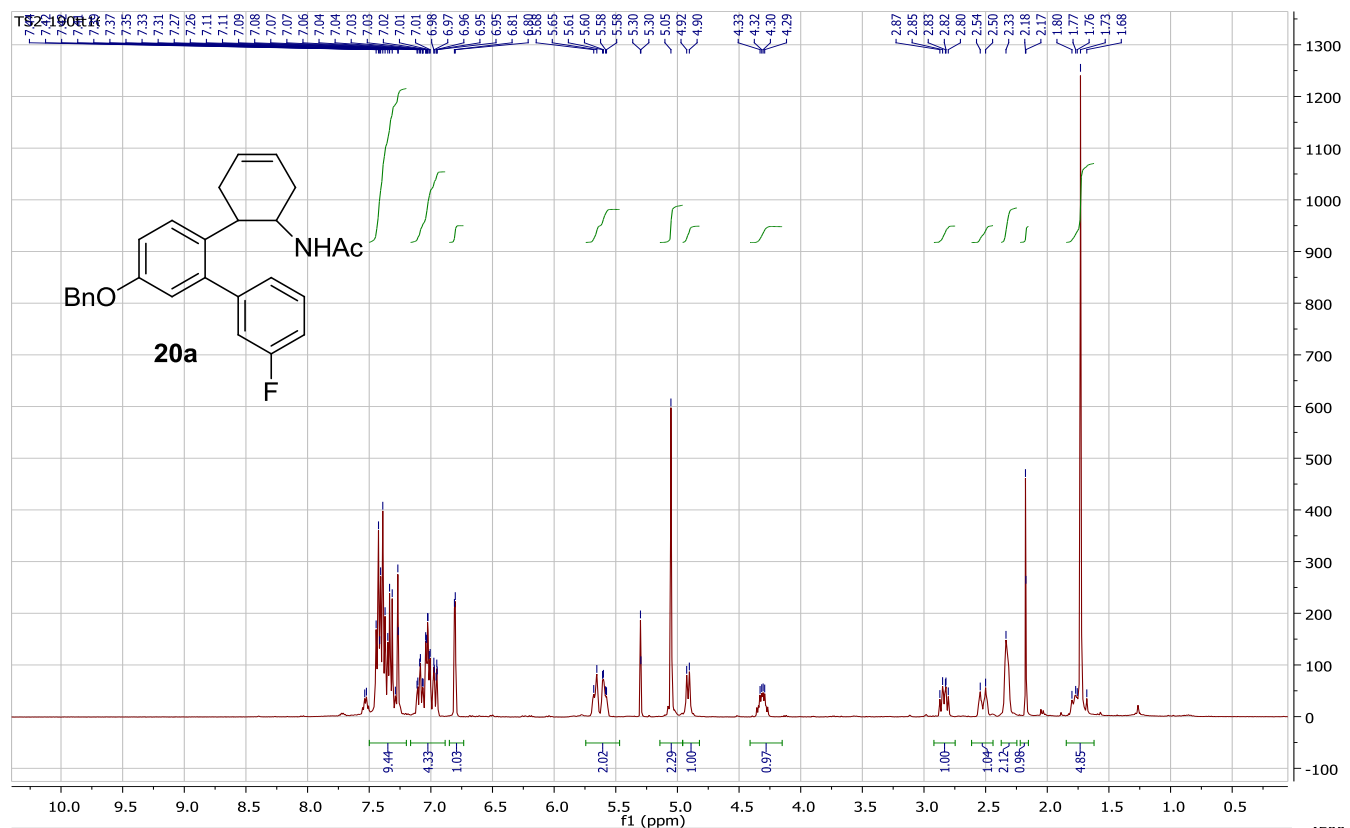


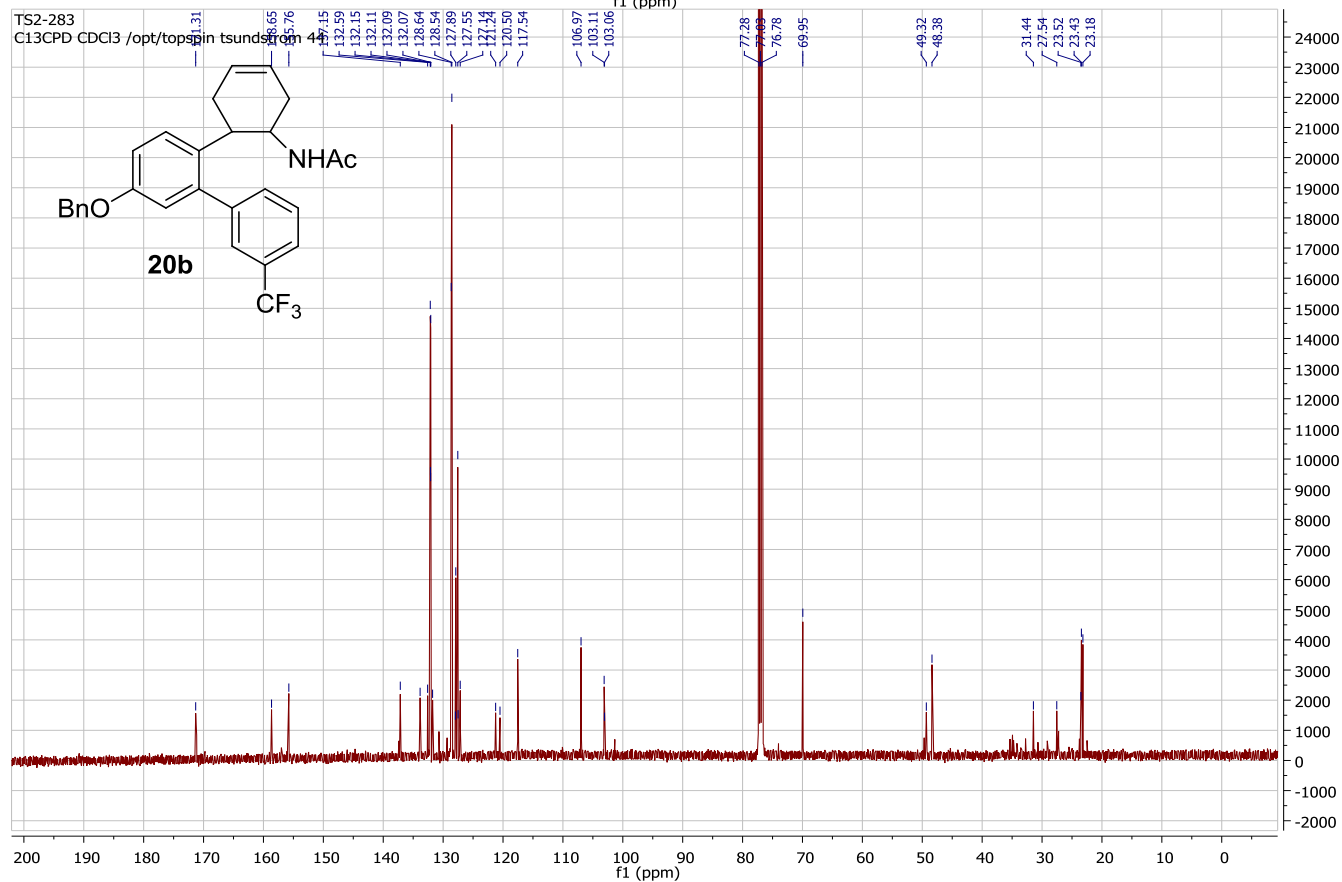
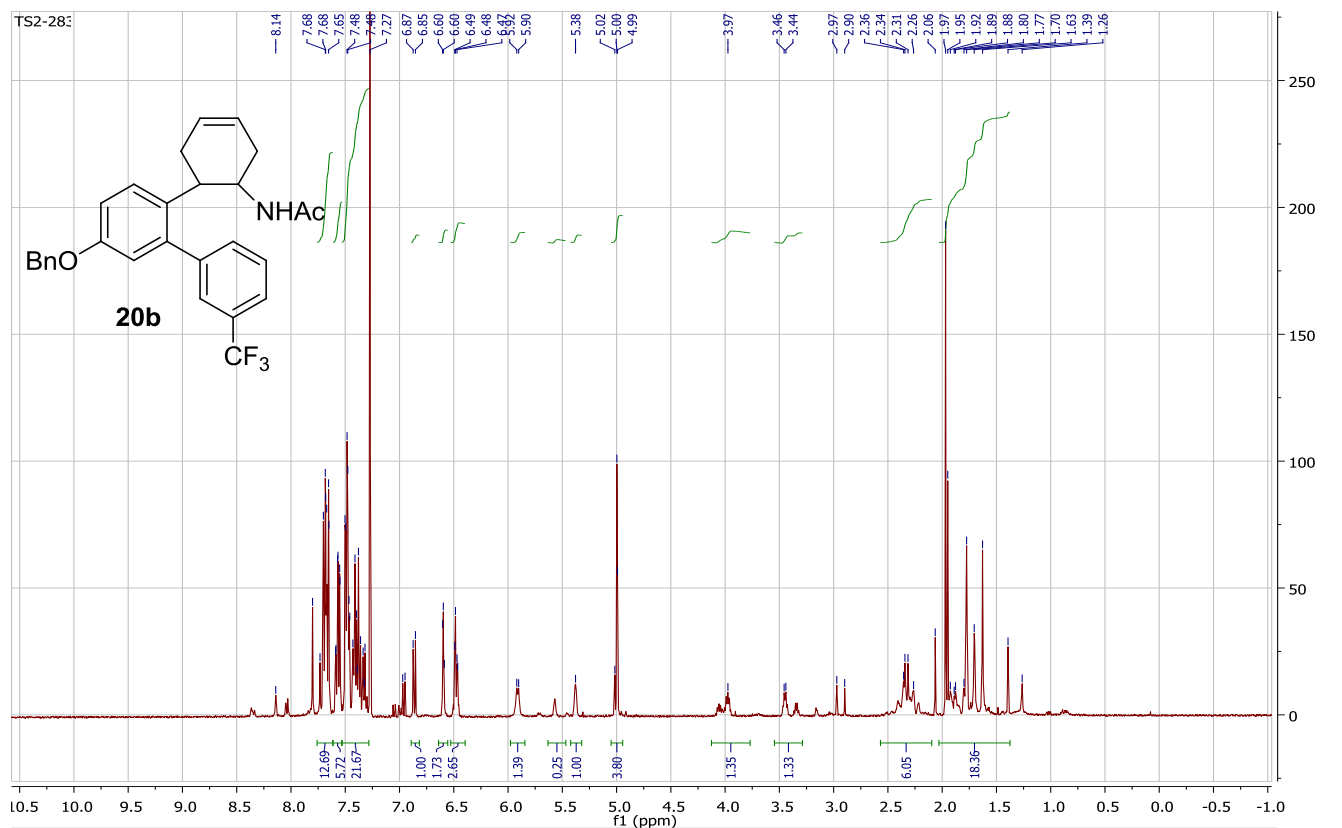


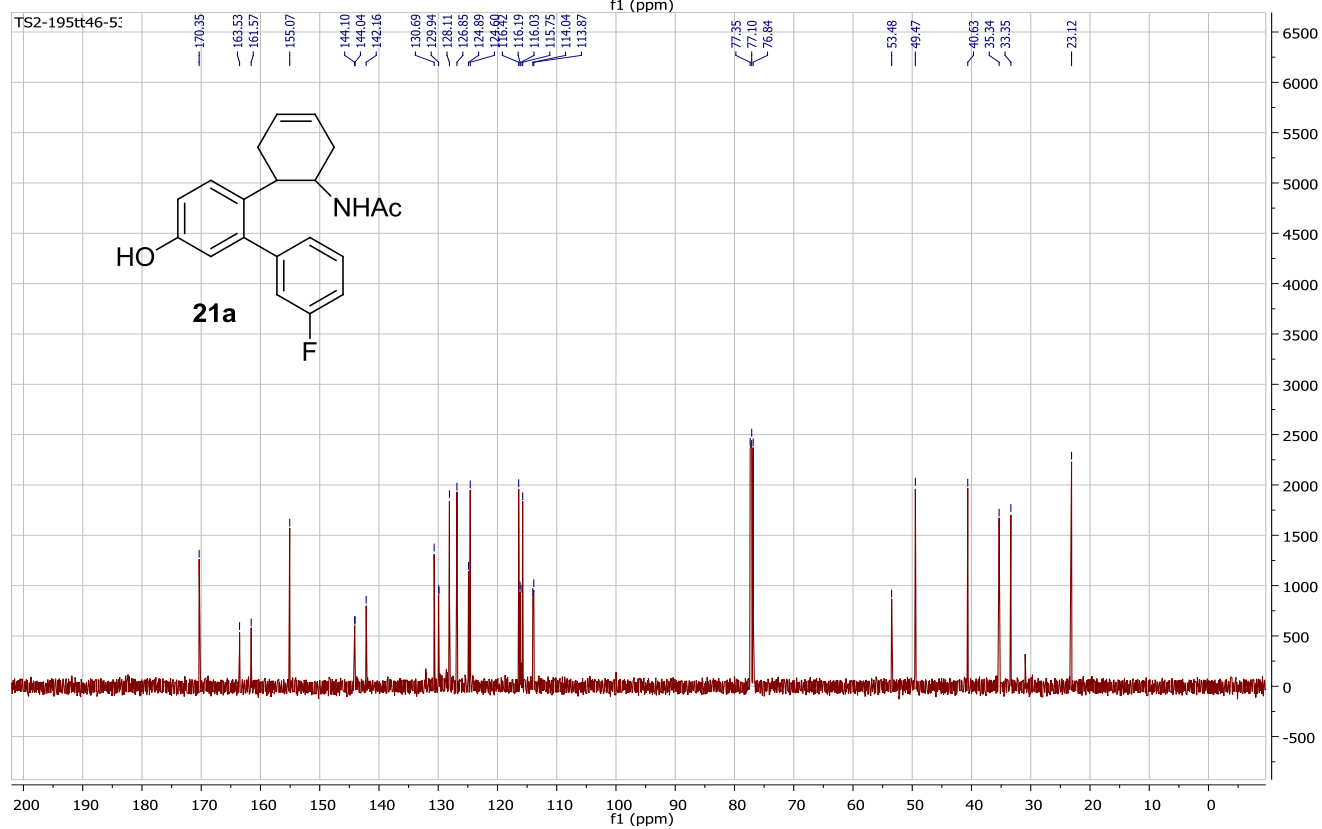
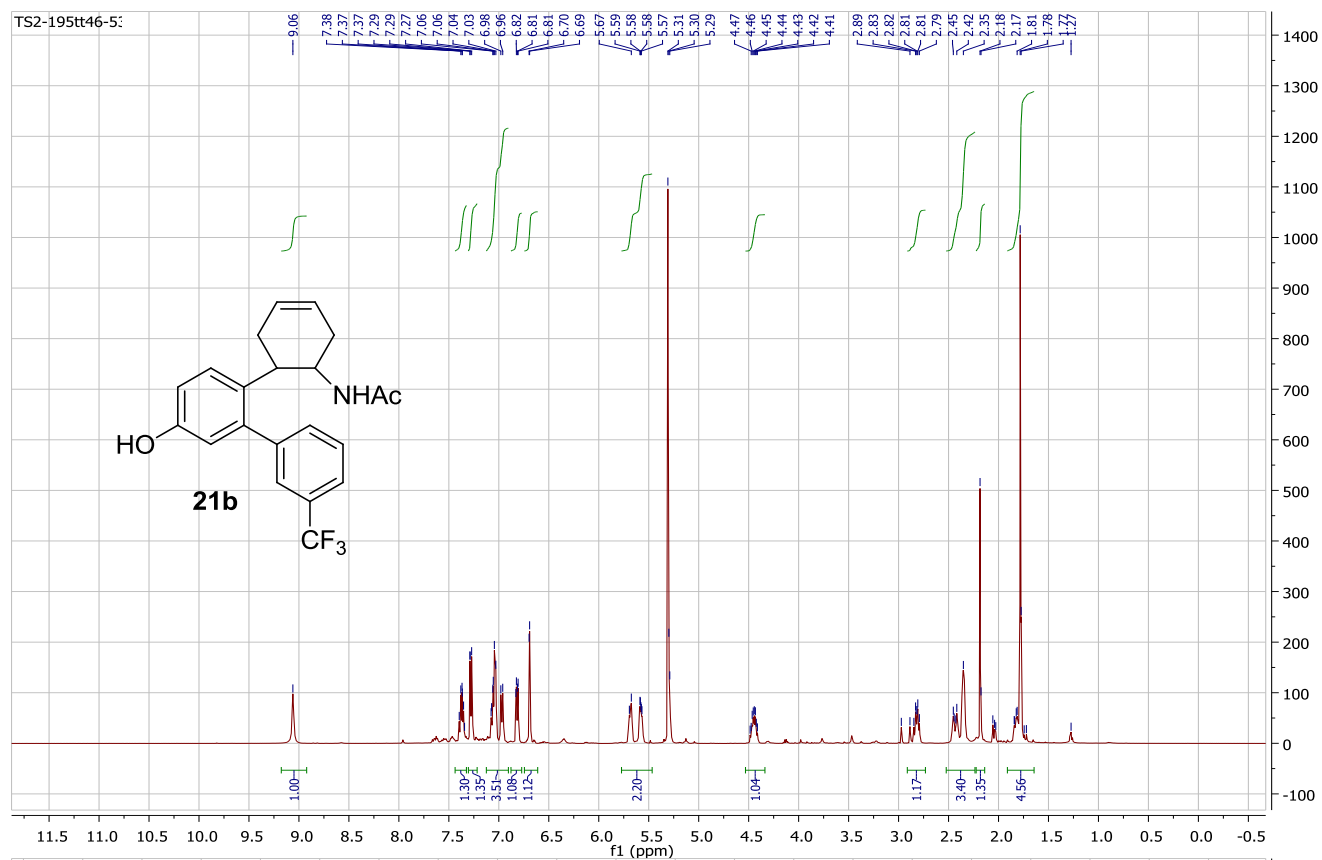


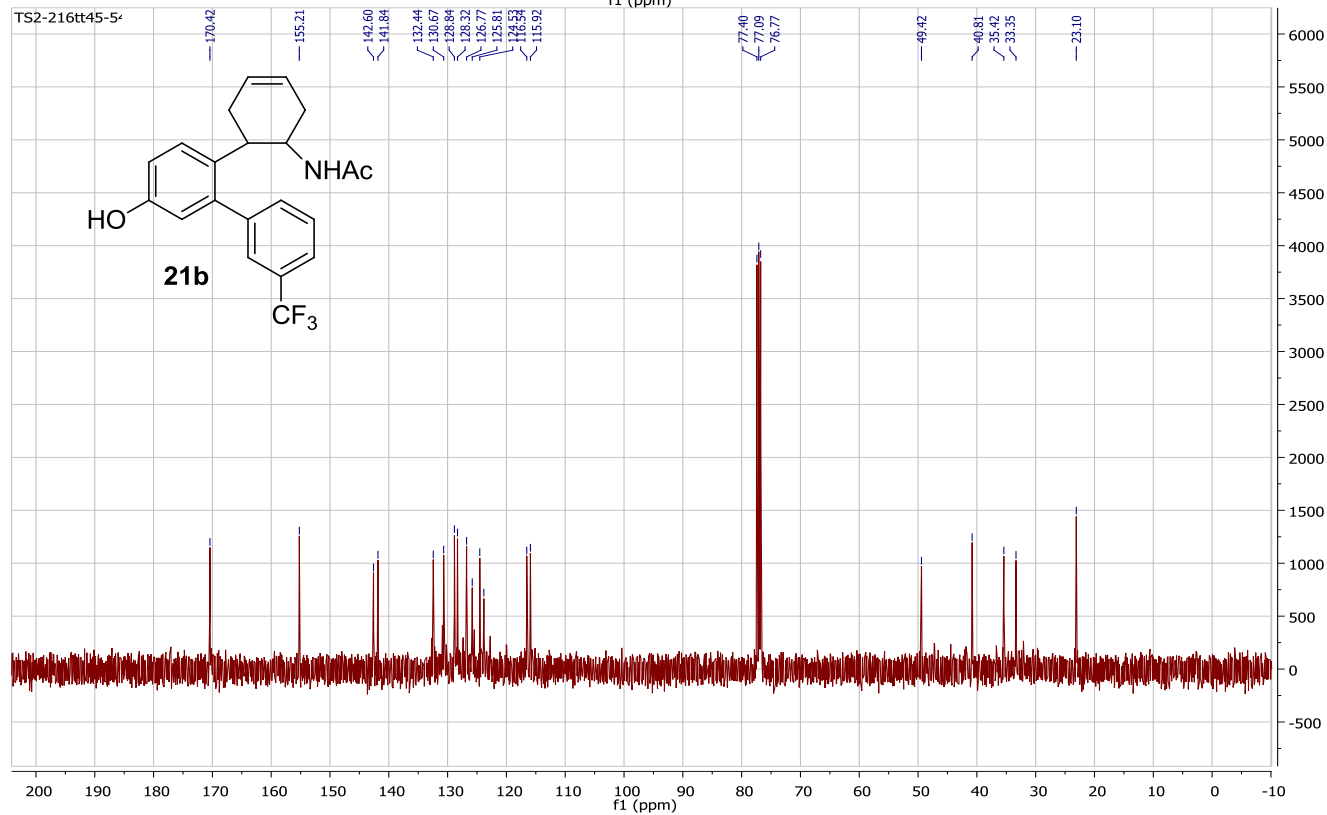
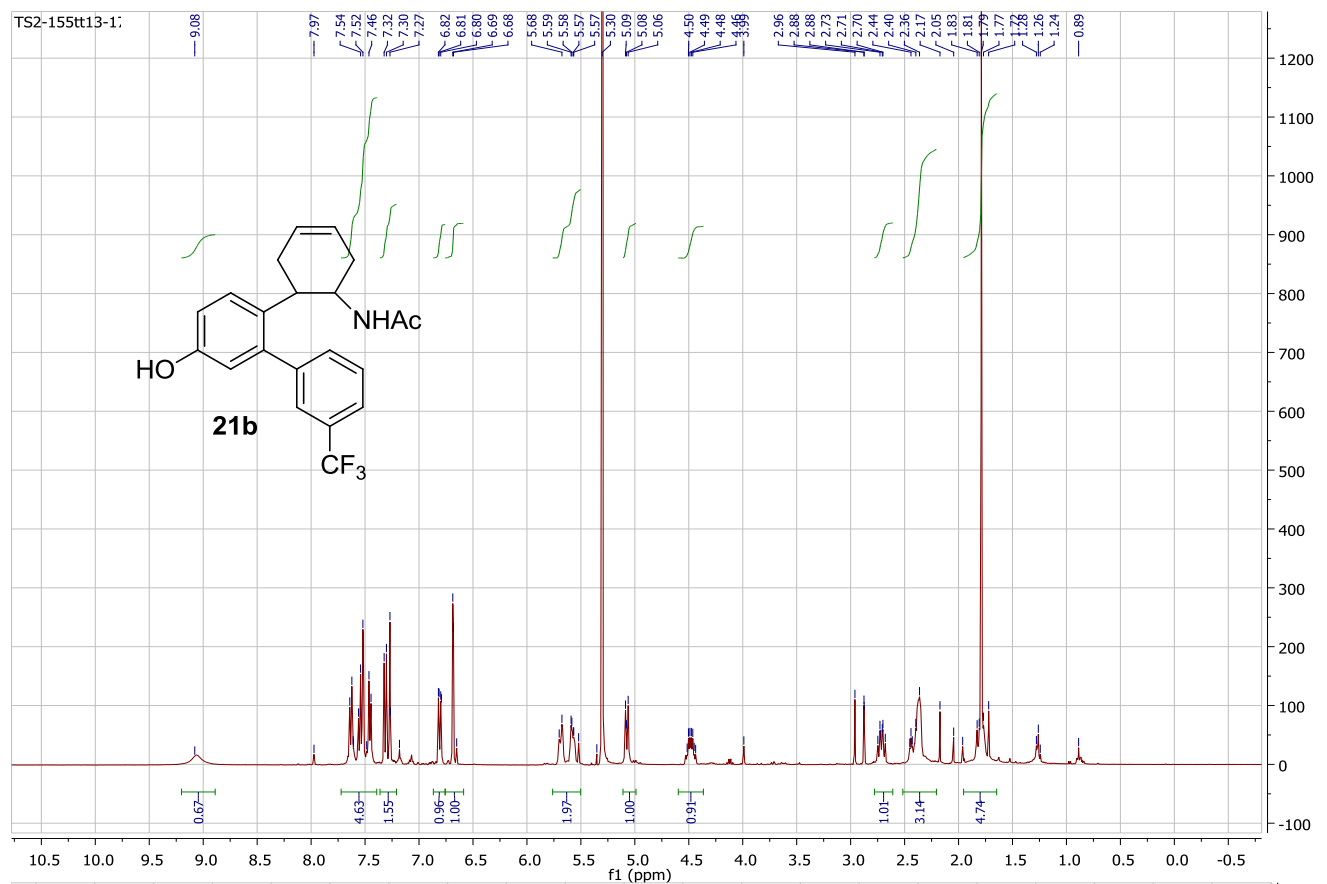


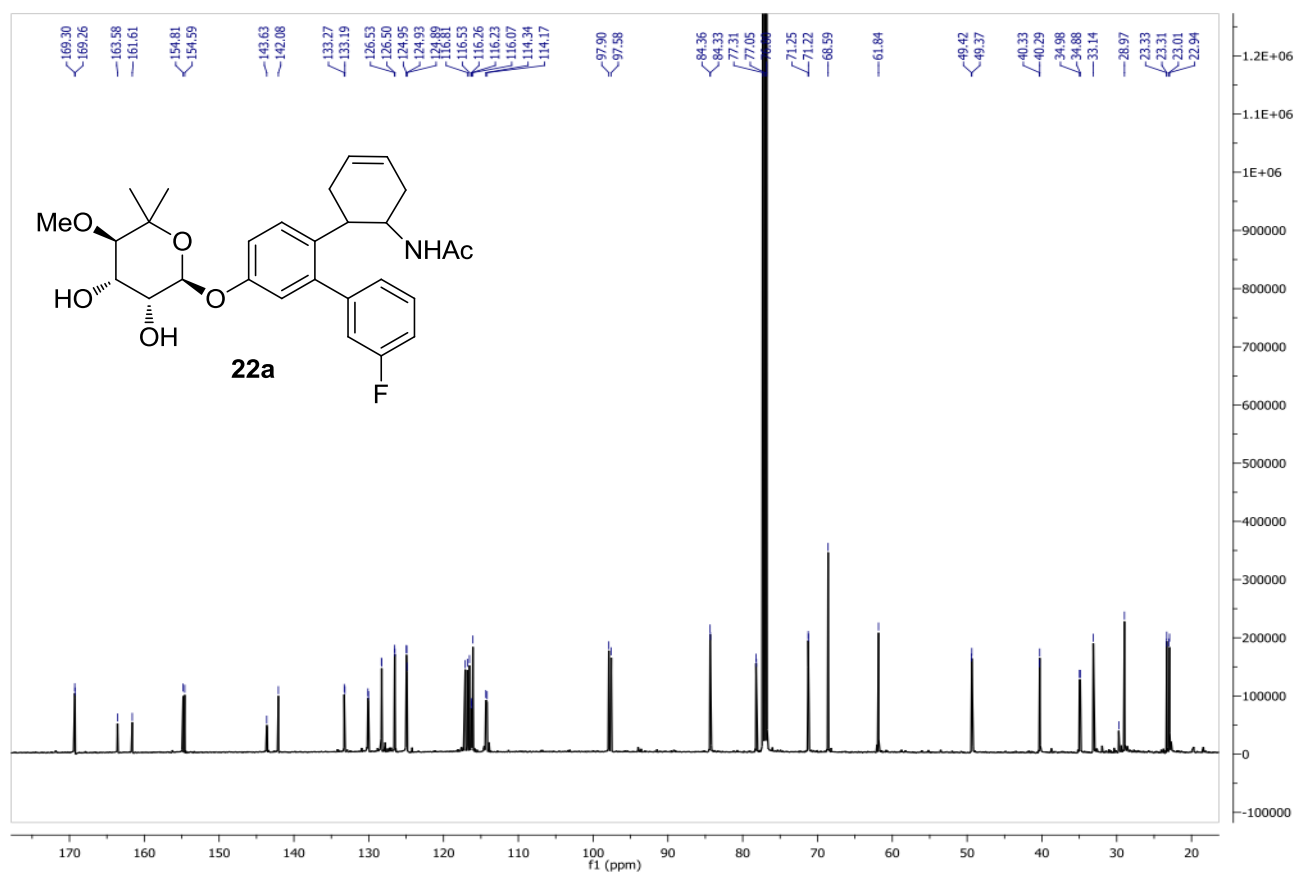
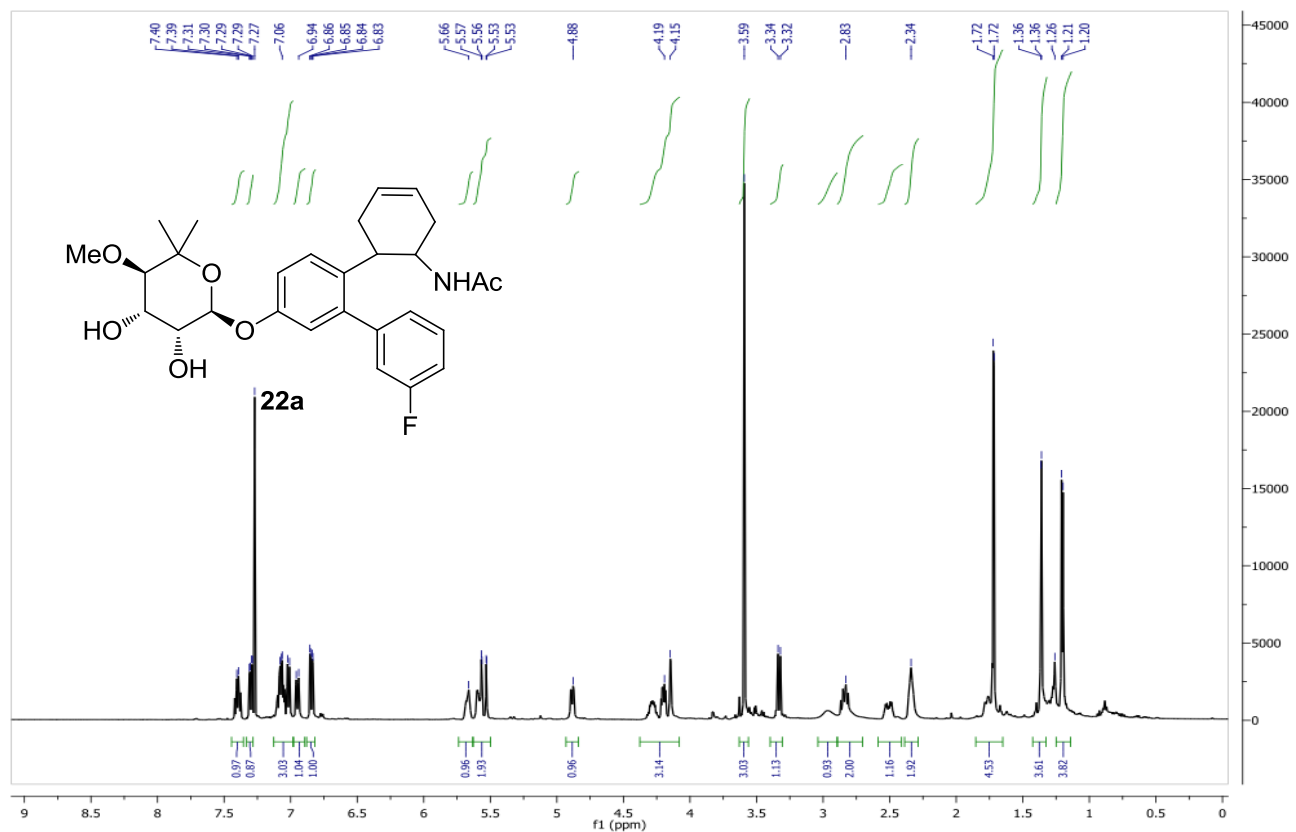


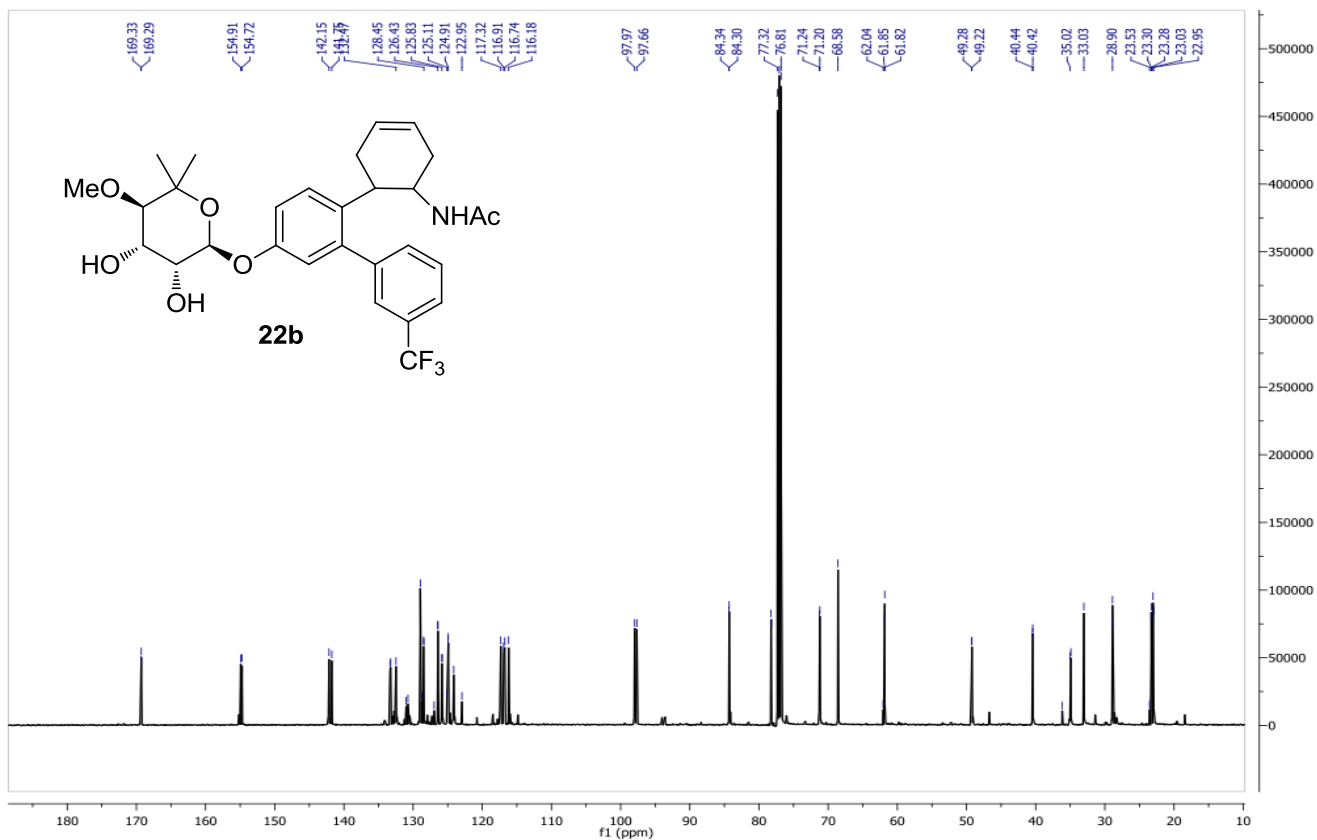
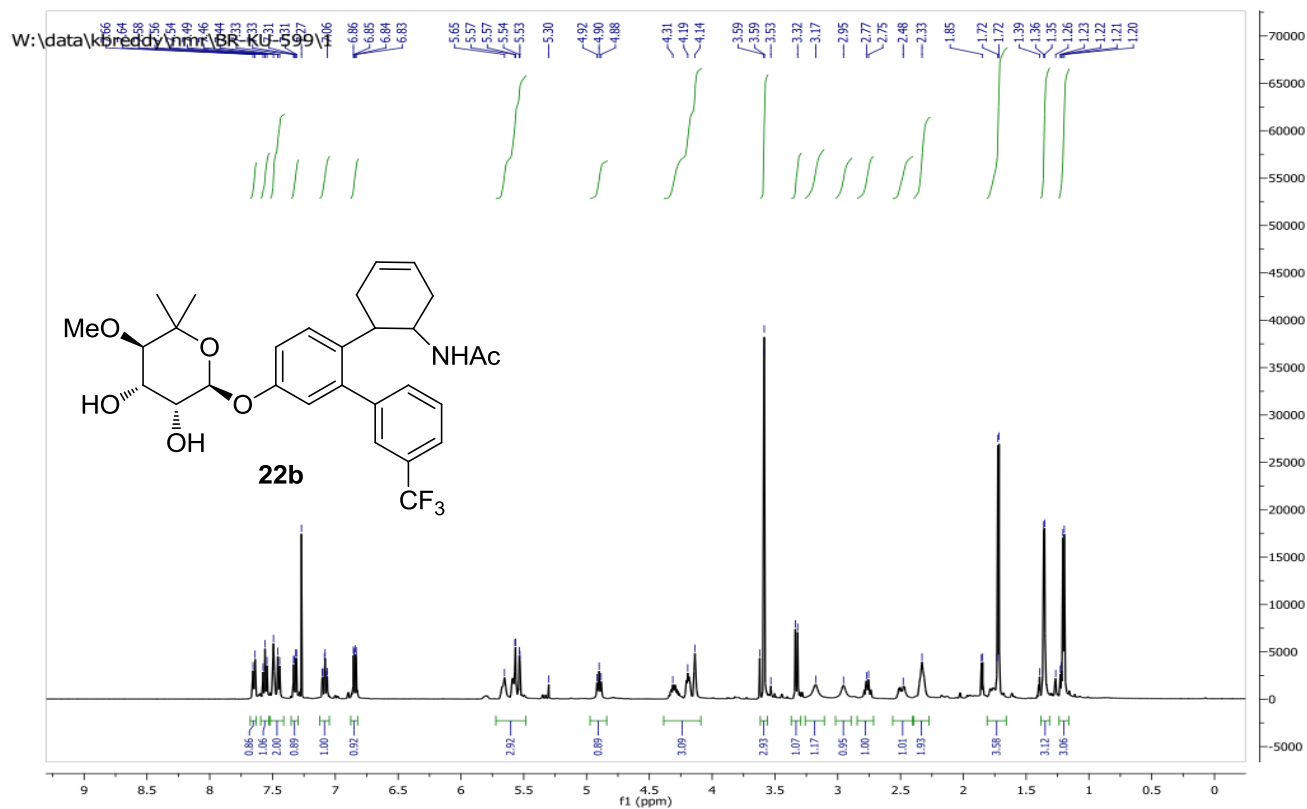


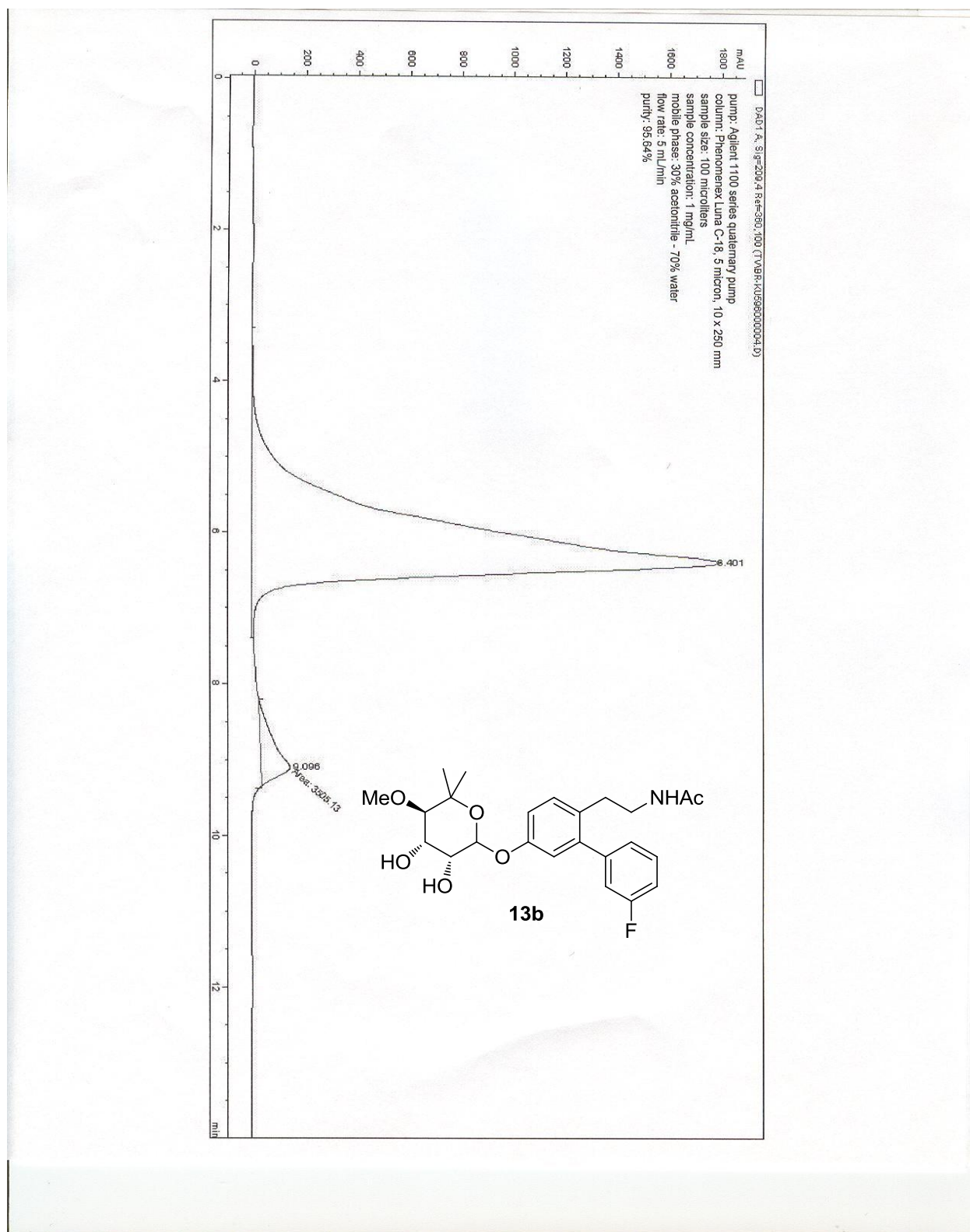




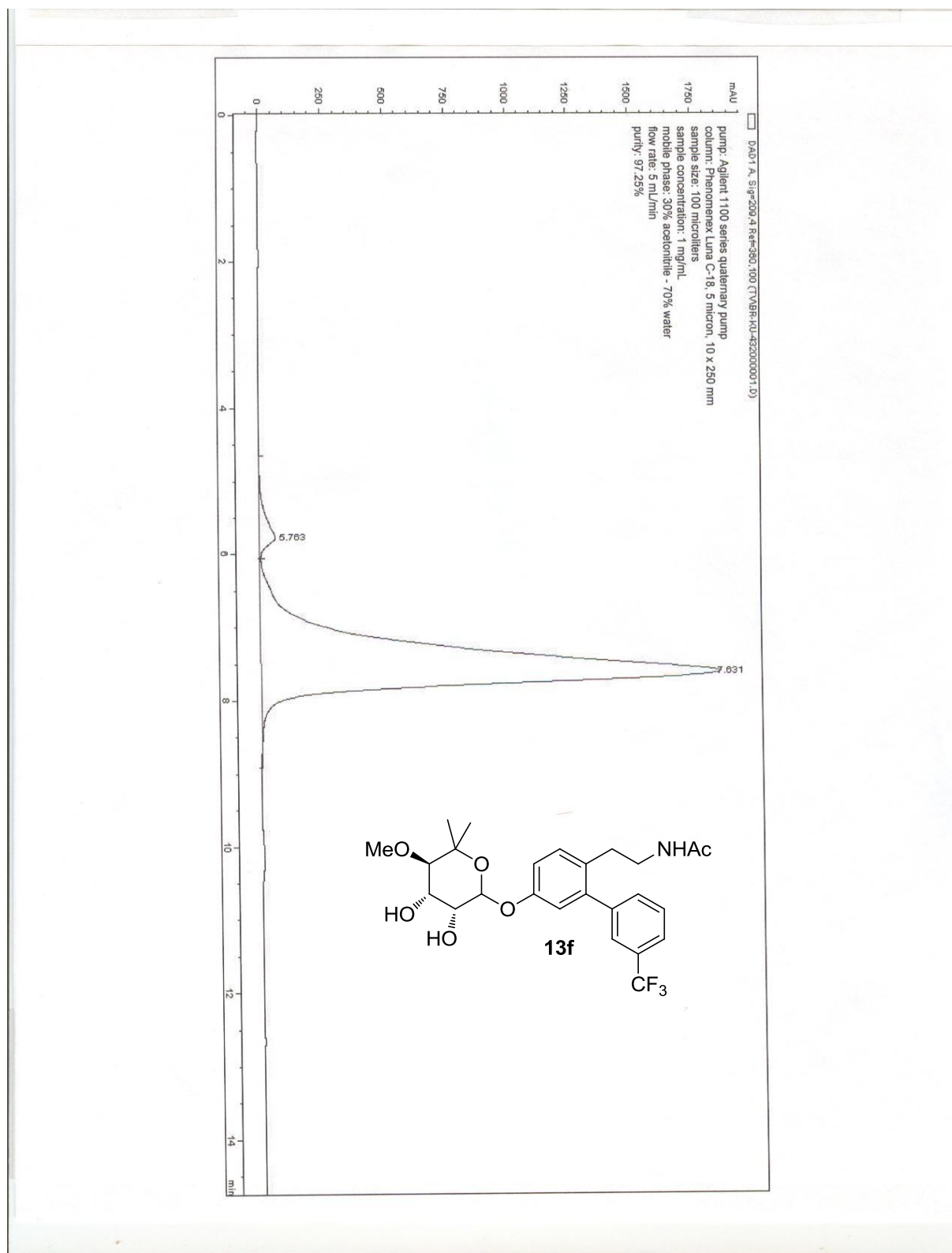




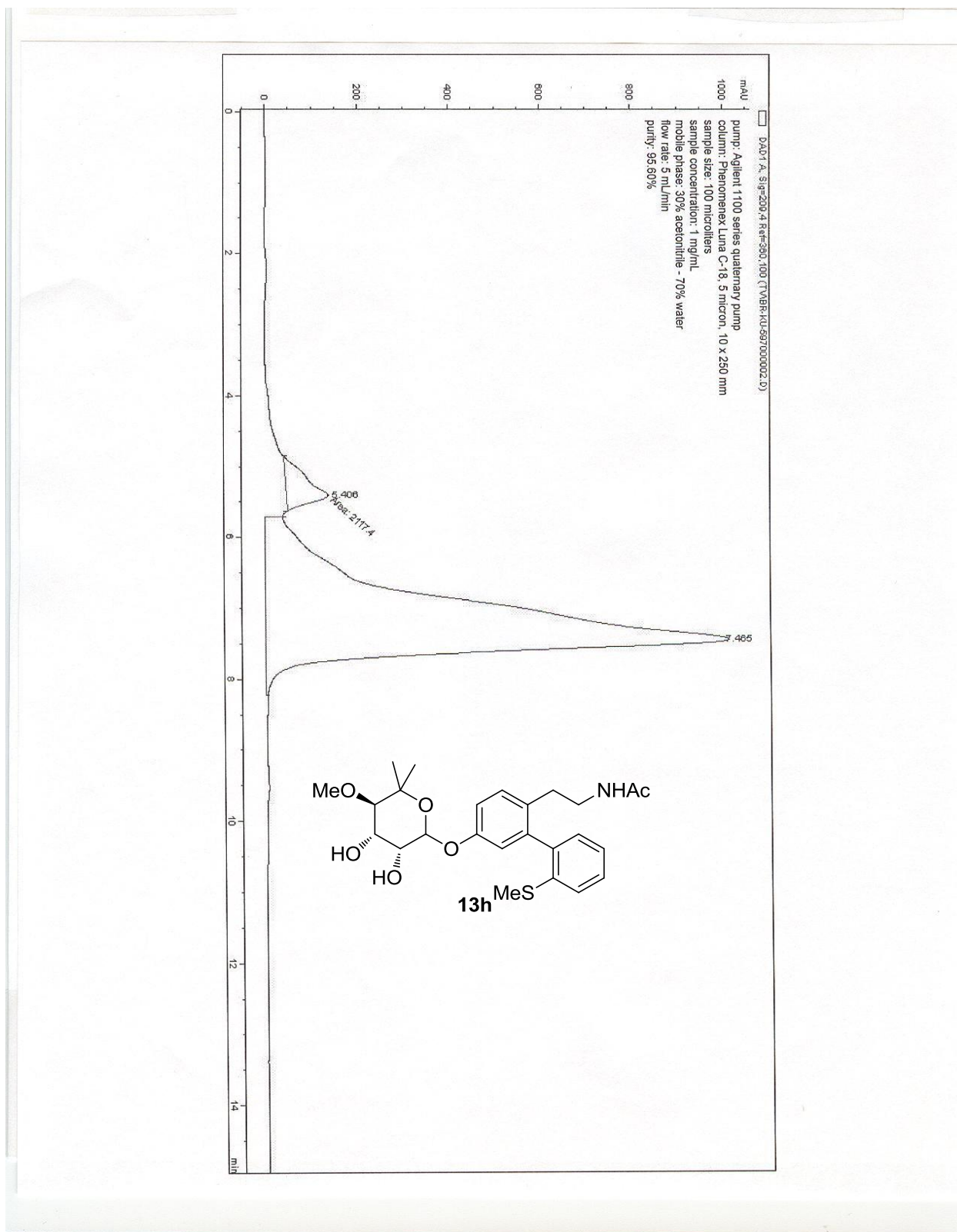




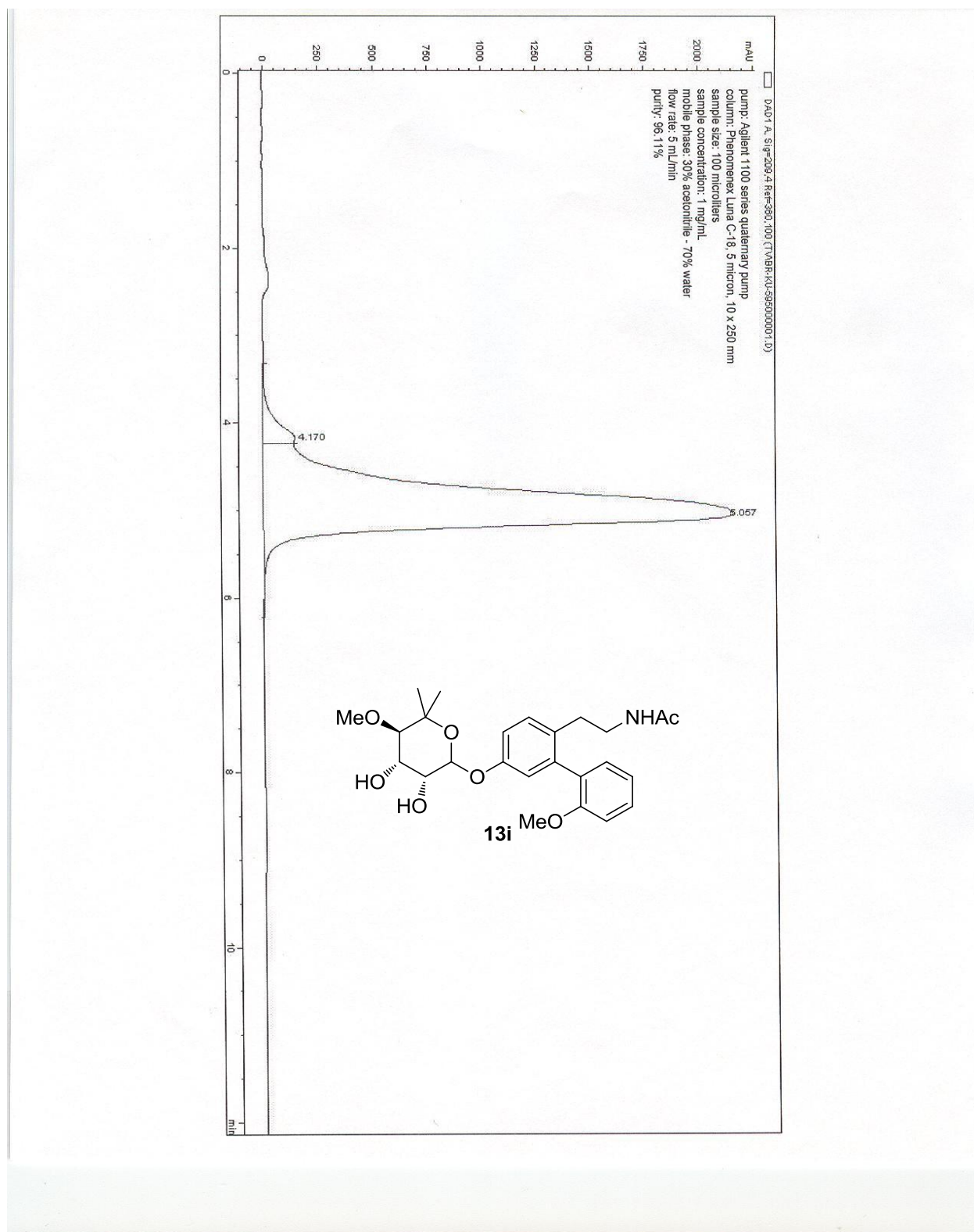
Analytical reverse-phase HPLC profile of compound **13b** prior to bioassay. Retention time = 6.401 min. Purity ~ 95%. Absorbance wavelength = 214 nm.



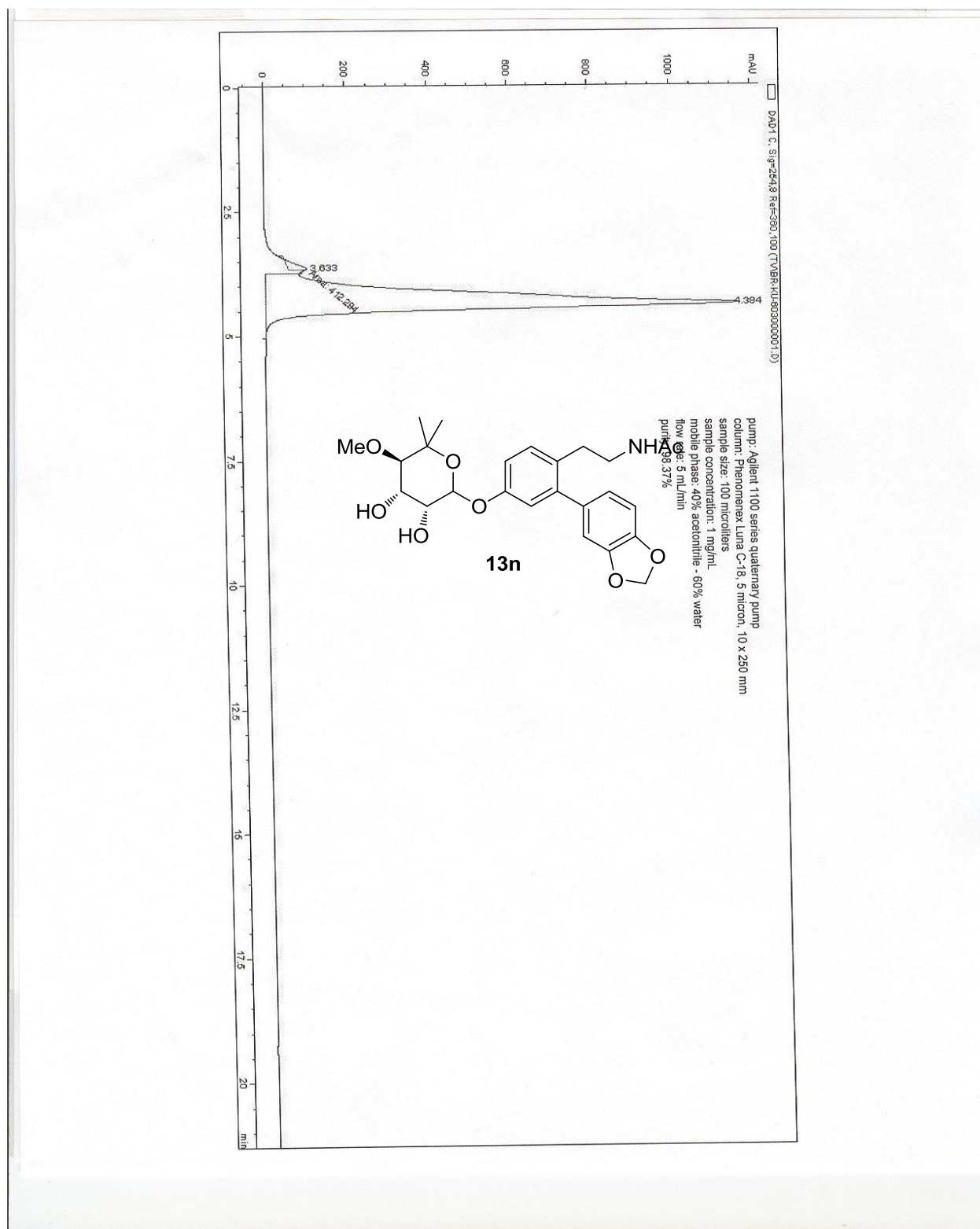
Analytical reverse-phase HPLC profile of compound **13f** prior to bioassay. Retention time = 7.631 min. Purity ~ 97%. Absorbance wavelength = 214 nm.



Analytical reverse-phase HPLC profile of compound **13h** prior to bioassay. Retention time = 7.465 min. Purity ~ 95%. Absorbance wavelength = 214 nm.



Analytical reverse-phase HPLC profile of compound **13i** prior to bioassay. Retention time = 5.057 min. Purity ~ 96%. Absorbance wavelength = 214 nm.



Analytical reverse-phase HPLC profile of compound **13n** prior to bioassay. Retention time = 4.384 min. Purity ~ 98%. Absorbance wavelength = 214 nm.