

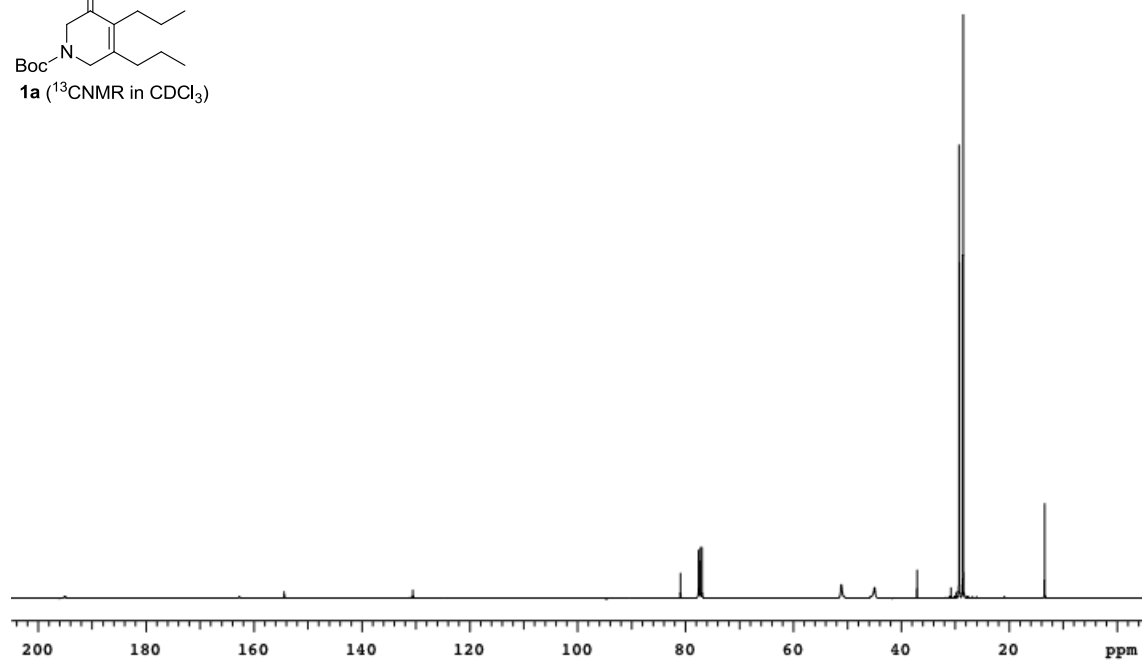
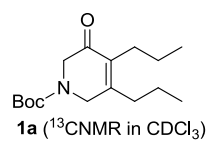
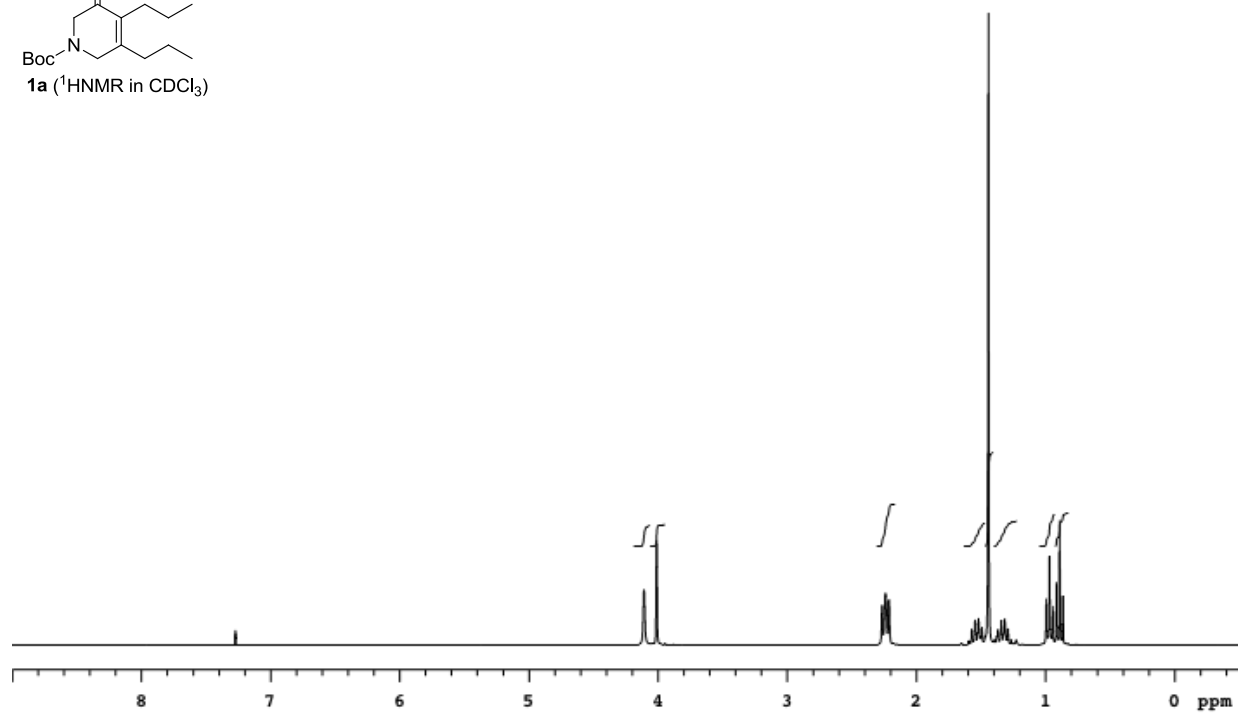
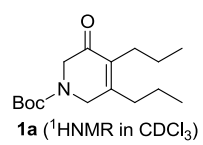
A Single Step Approach to Piperidines Via Ni-Catalyzed β -Carbon Elimination

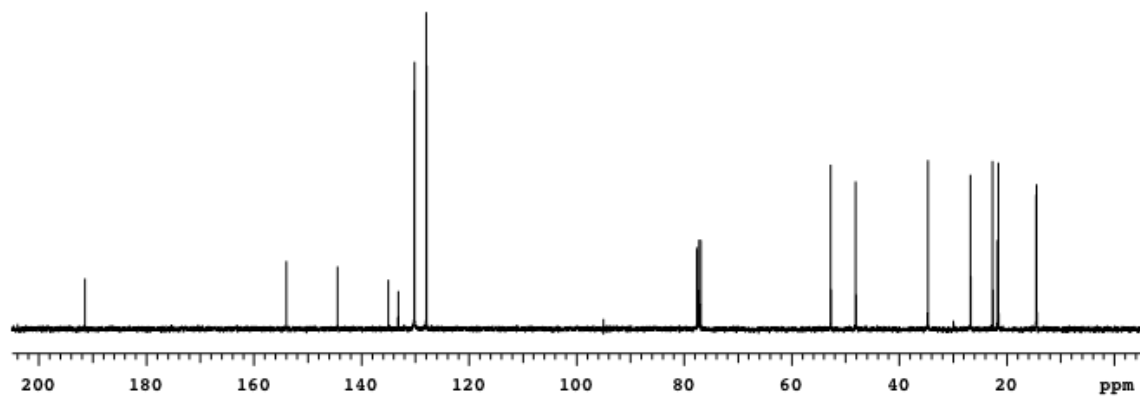
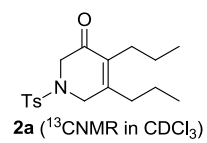
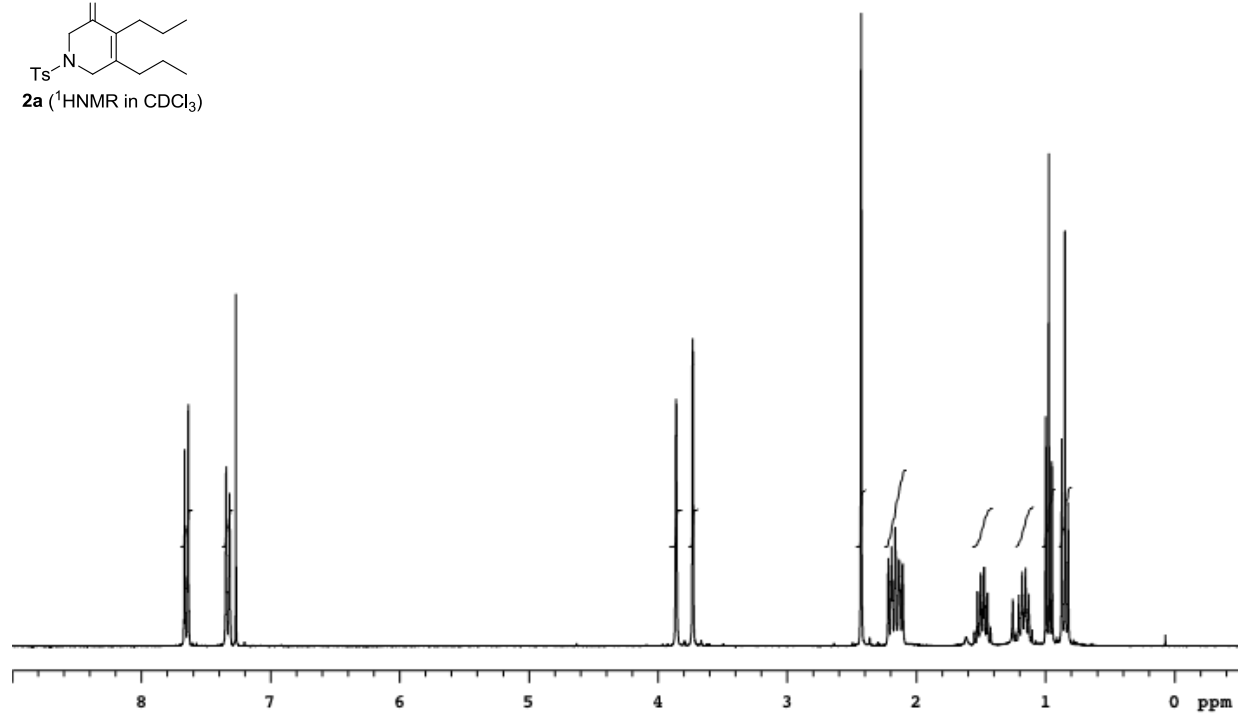
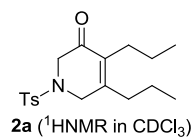
SUPPORTING INFORMATION : SPECTRA

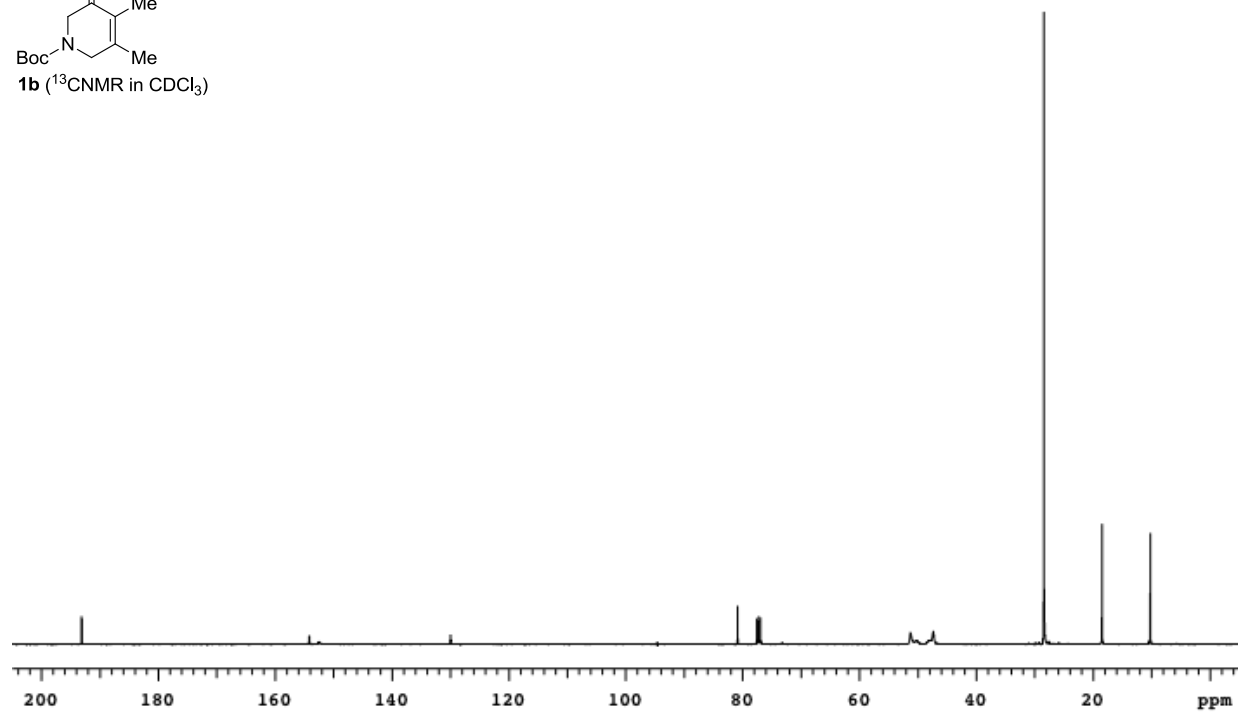
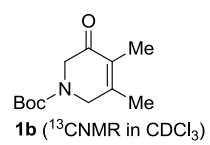
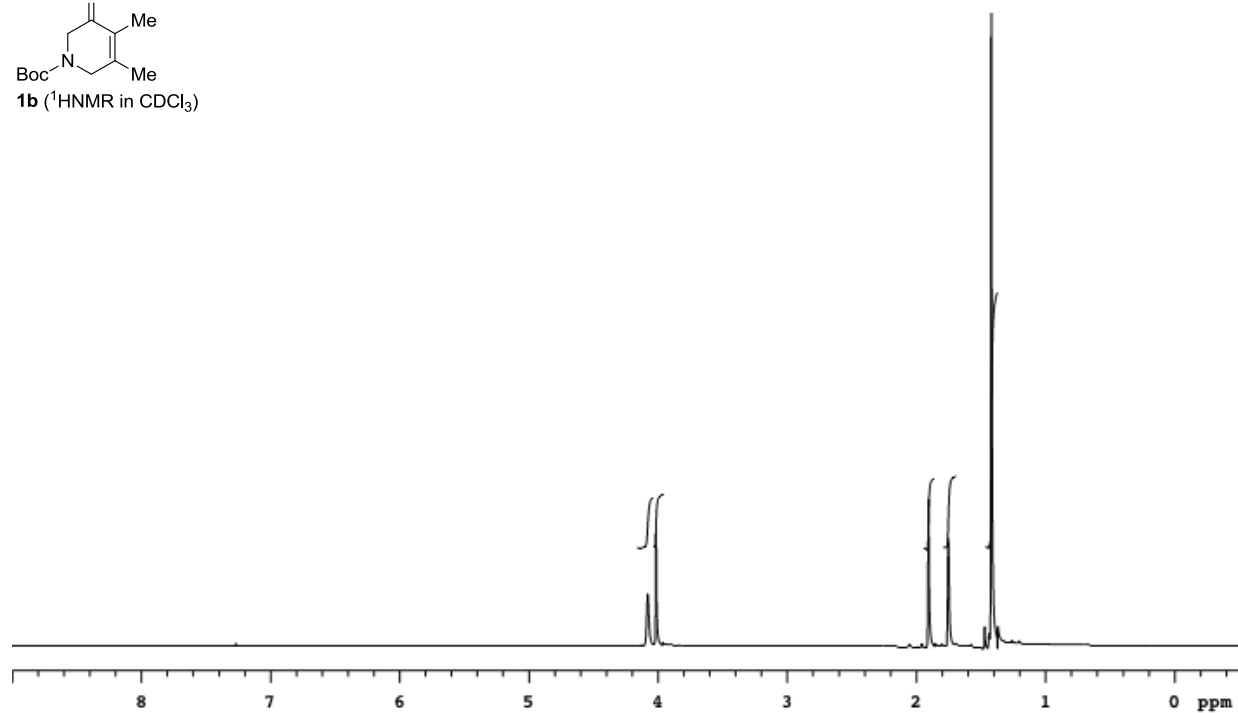
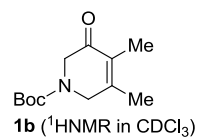
Puneet Kumar and Janis Louie^{*}

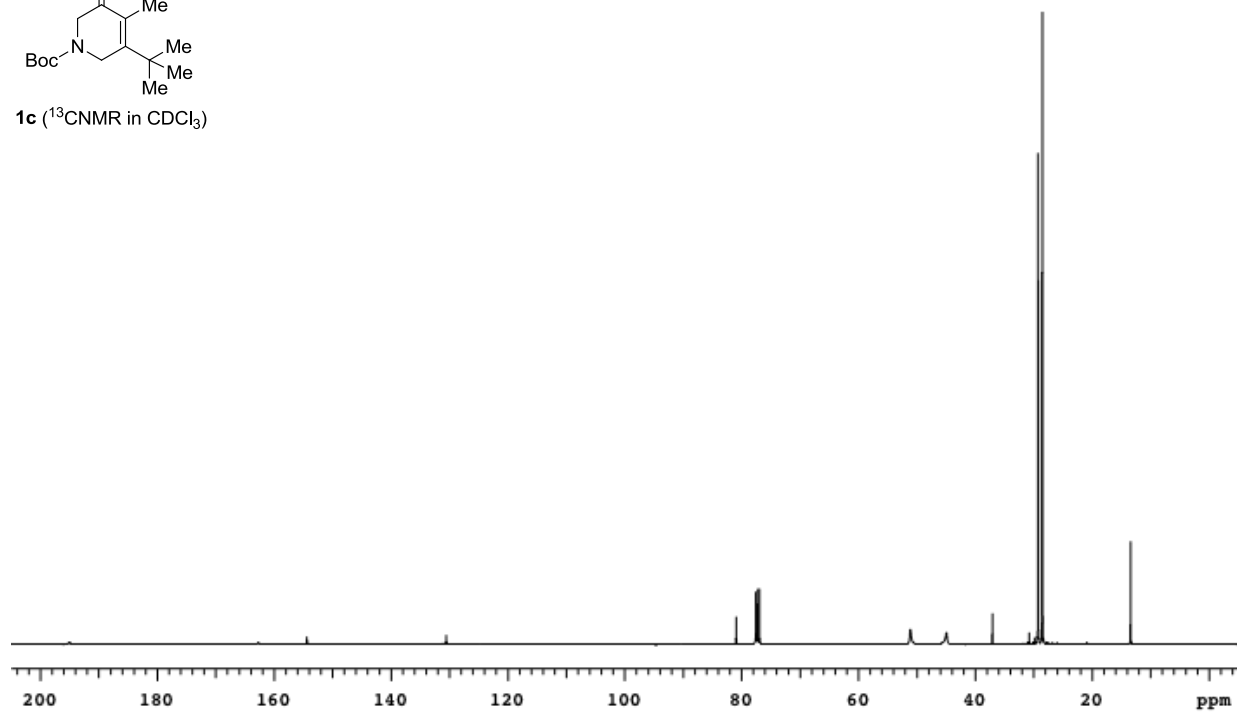
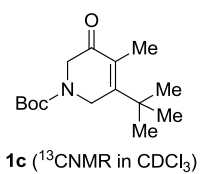
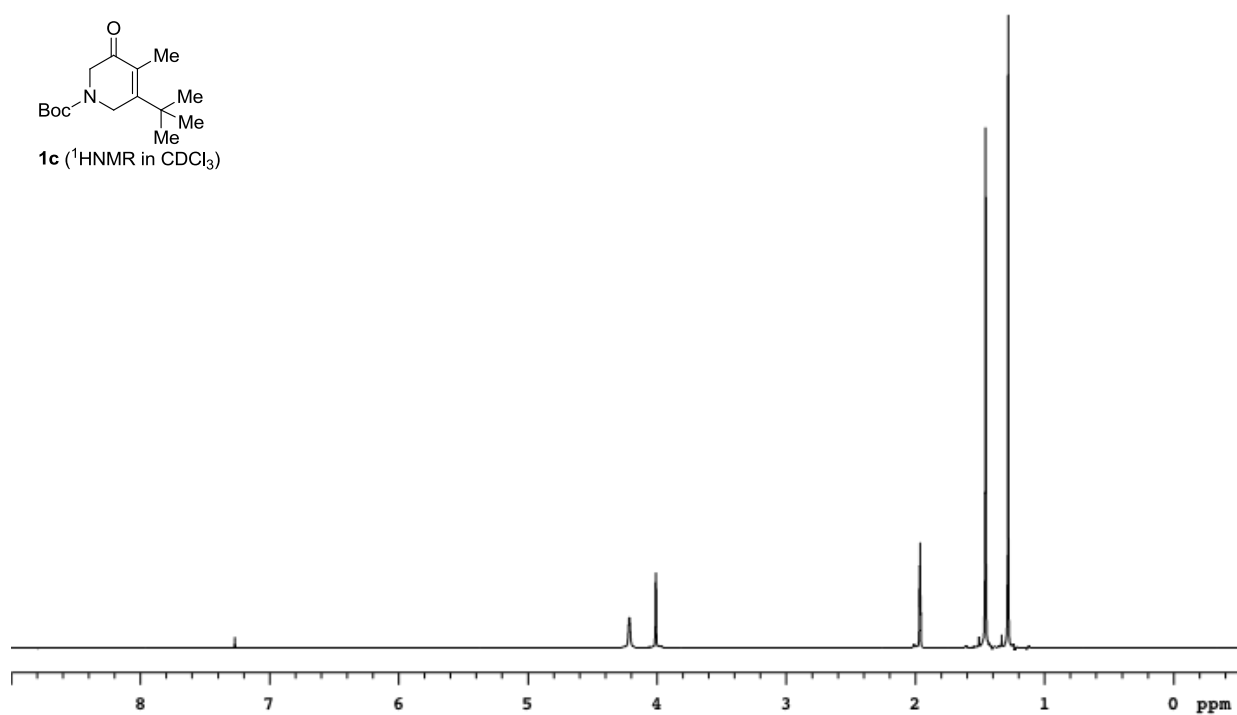
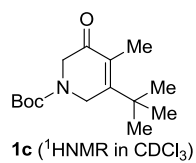
Henry Eyring Building, Department of Chemistry, University of Utah, 315 South 1400 East, Salt Lake City,
Utah 84112-0850

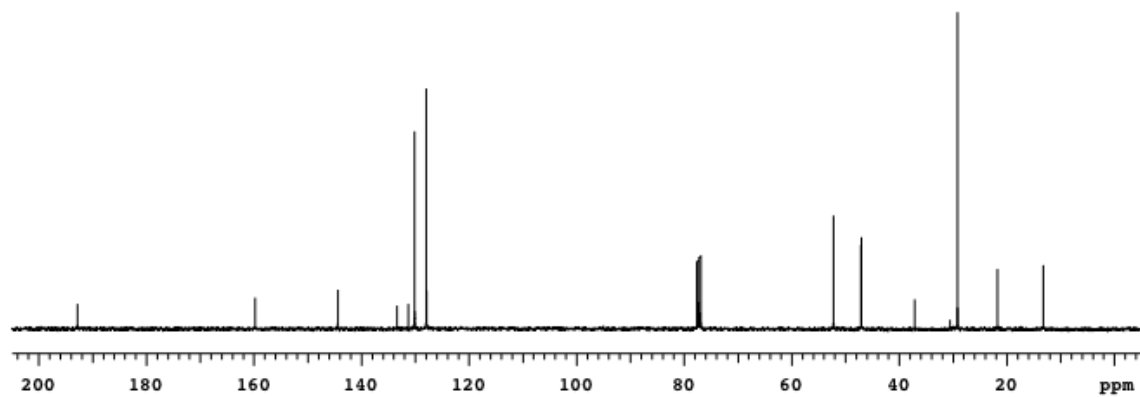
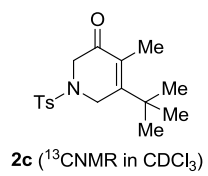
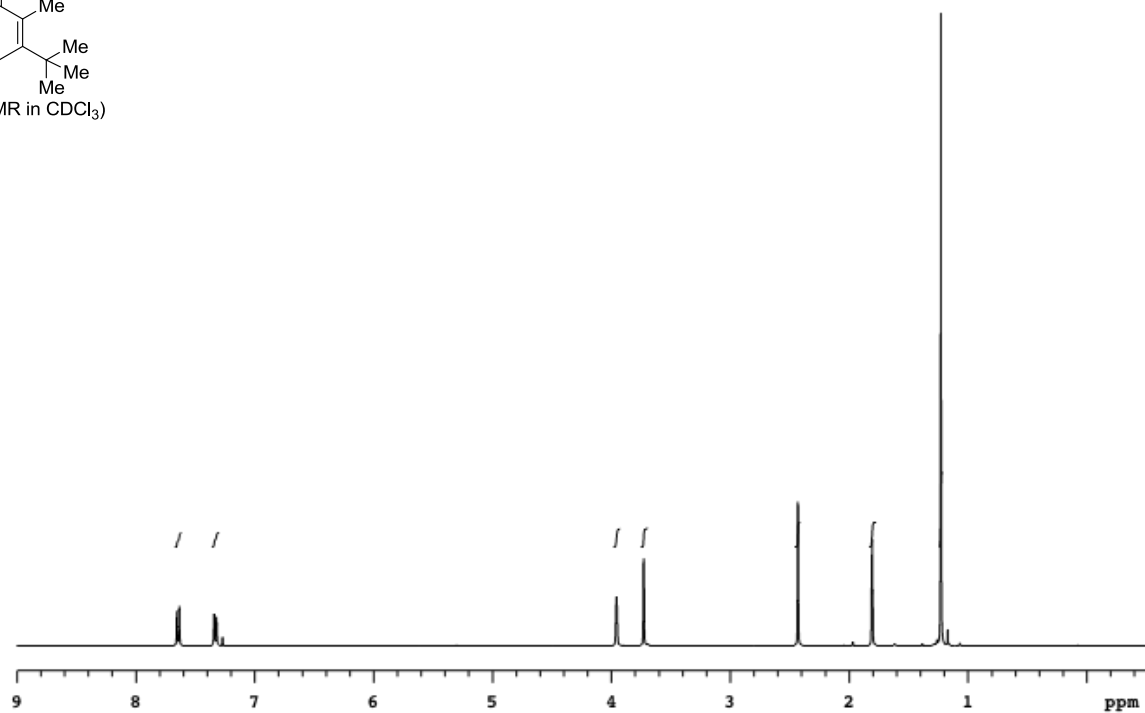
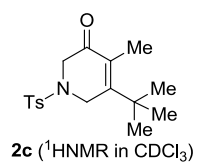
^{*}louie@chem.utah.edu

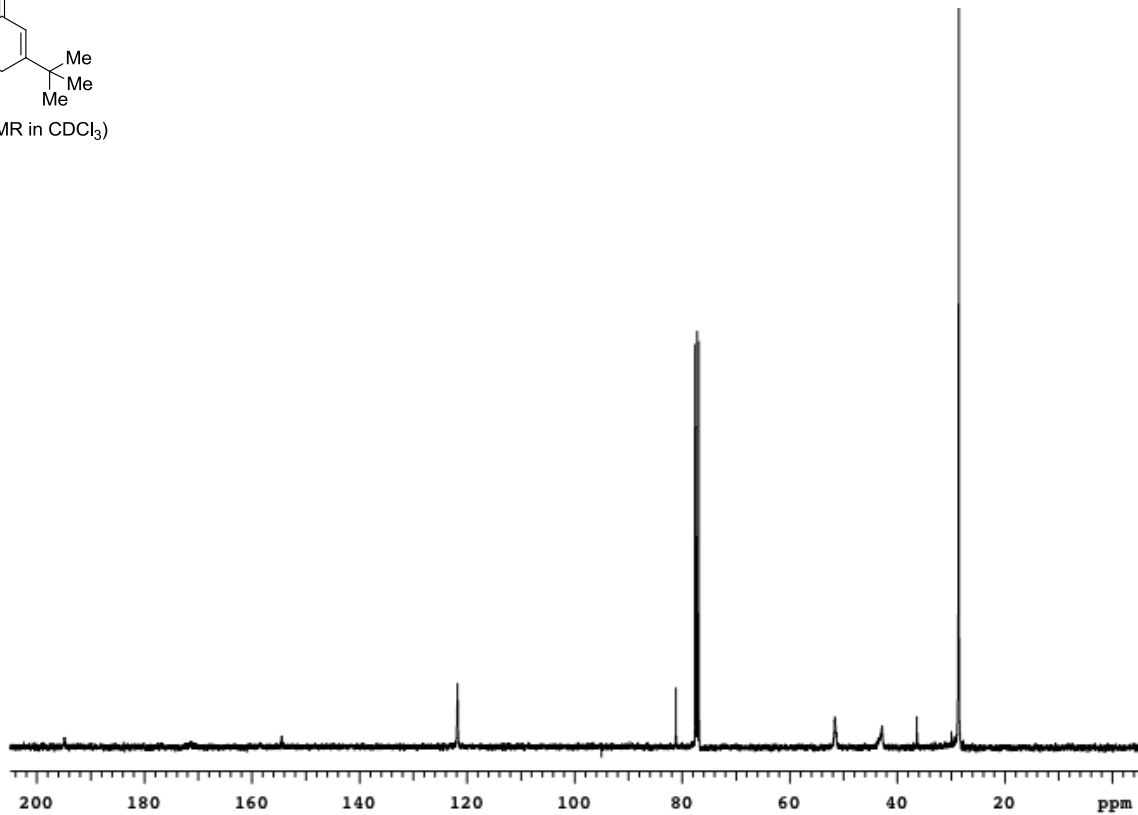
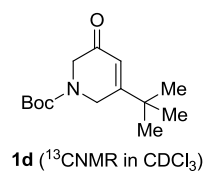
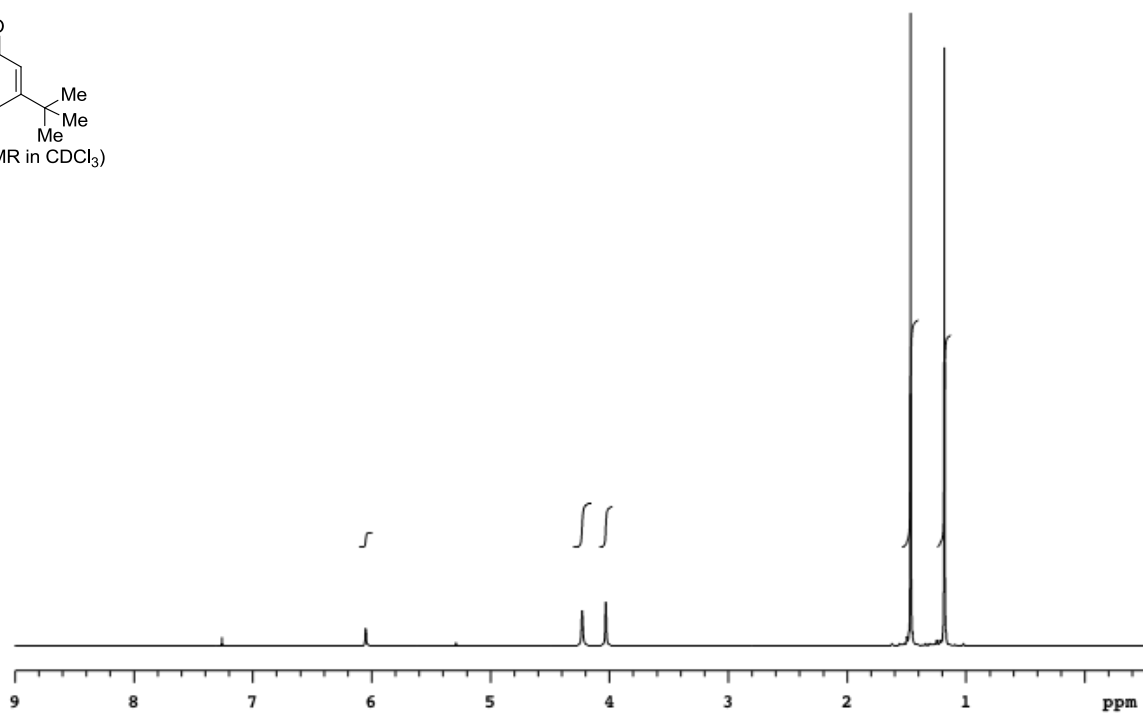
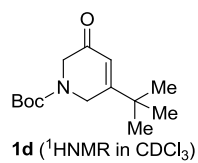


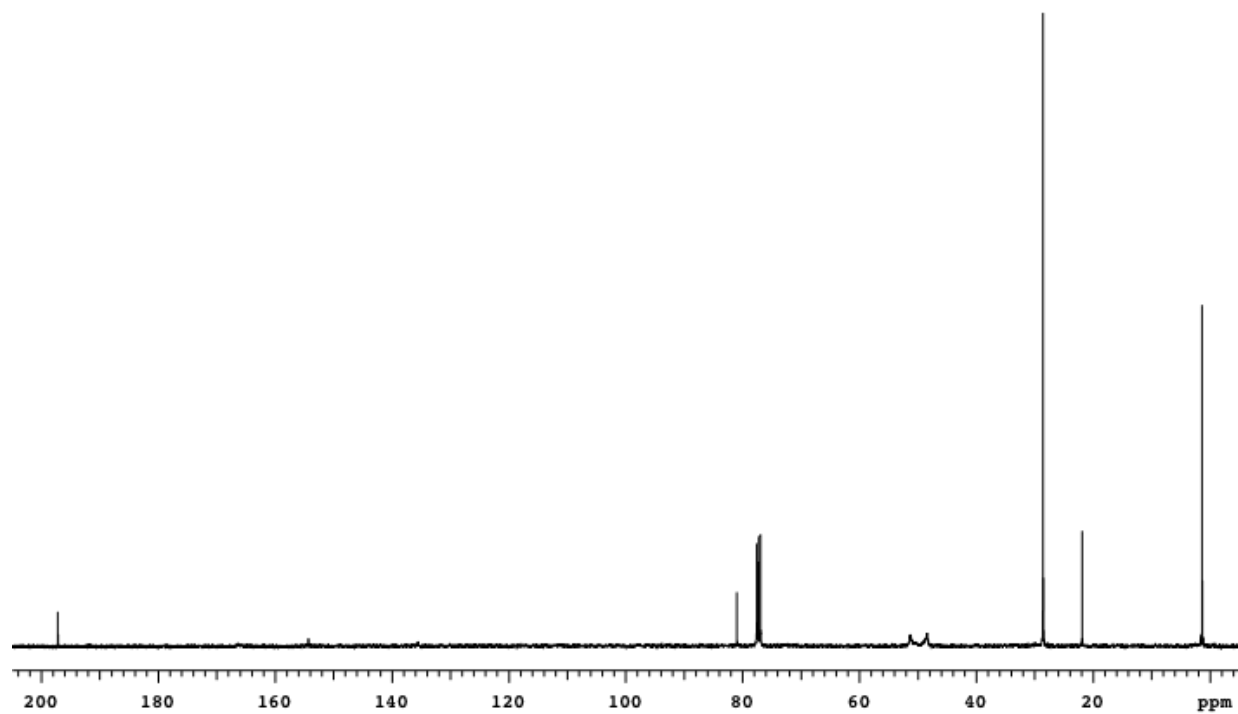
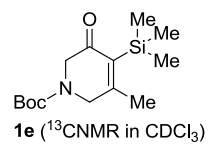
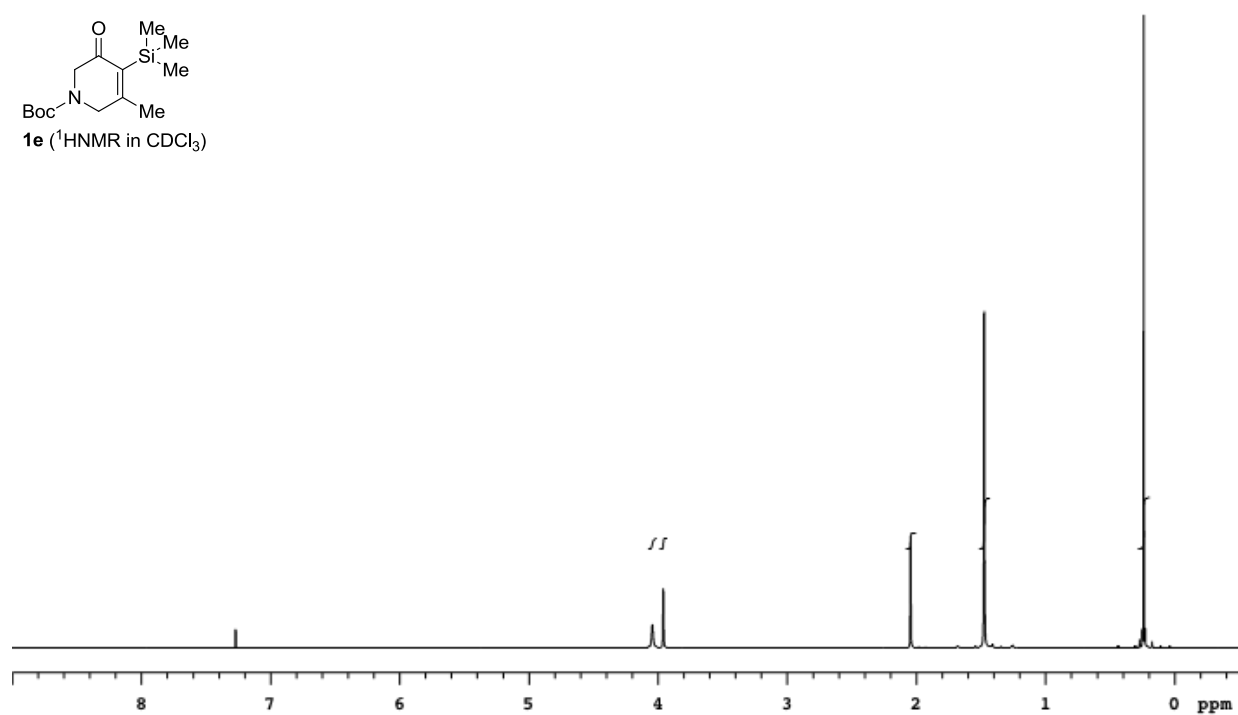
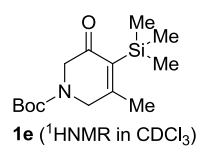


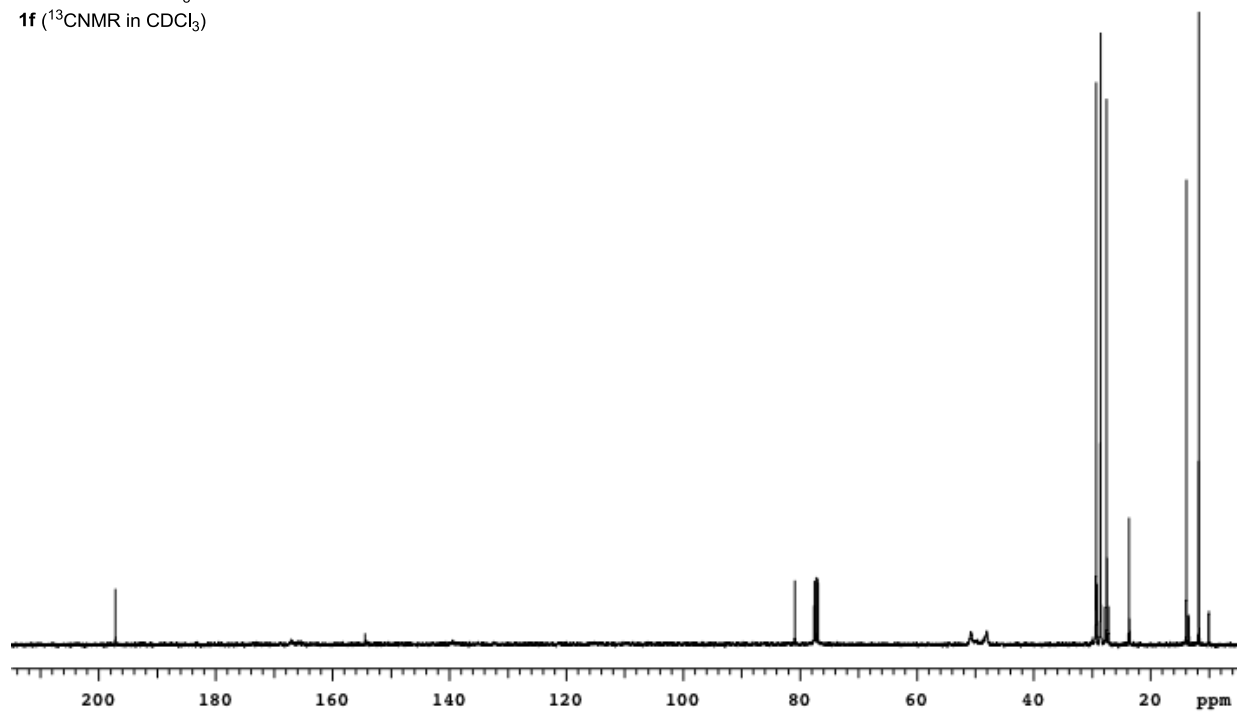
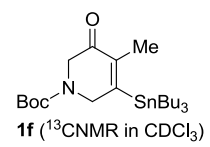
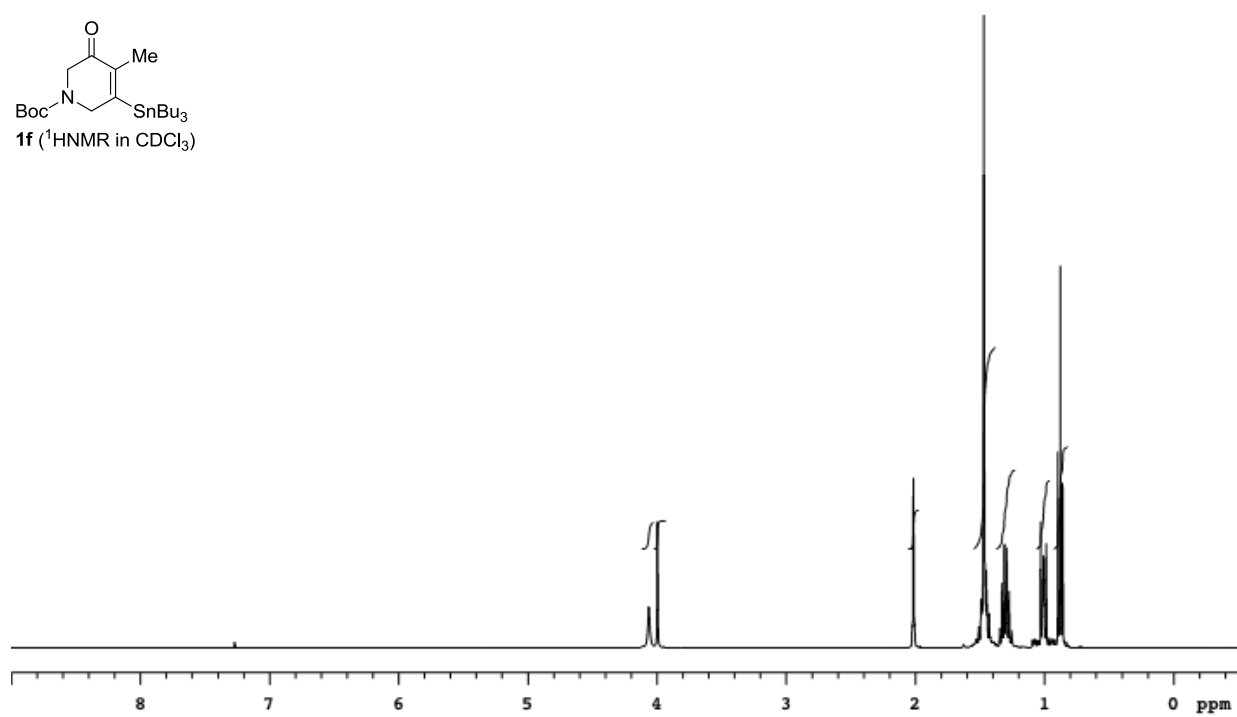
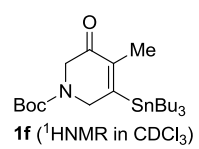


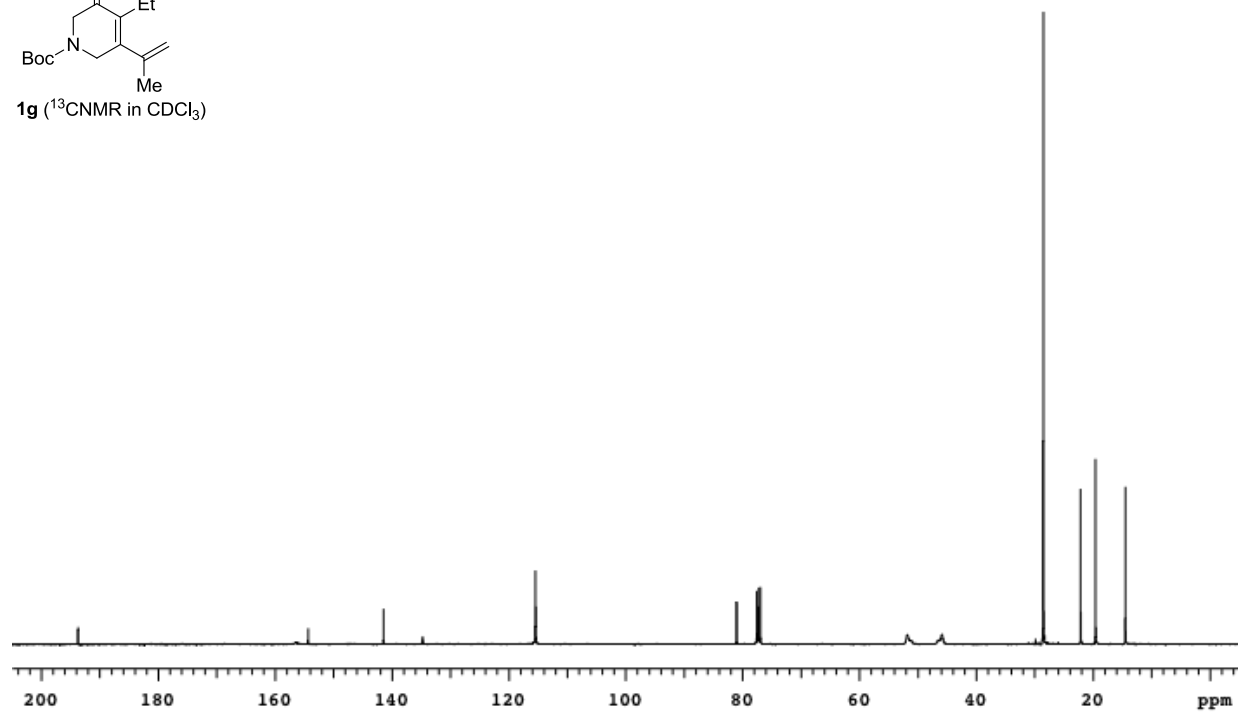
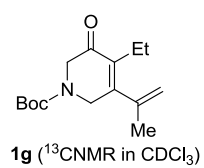
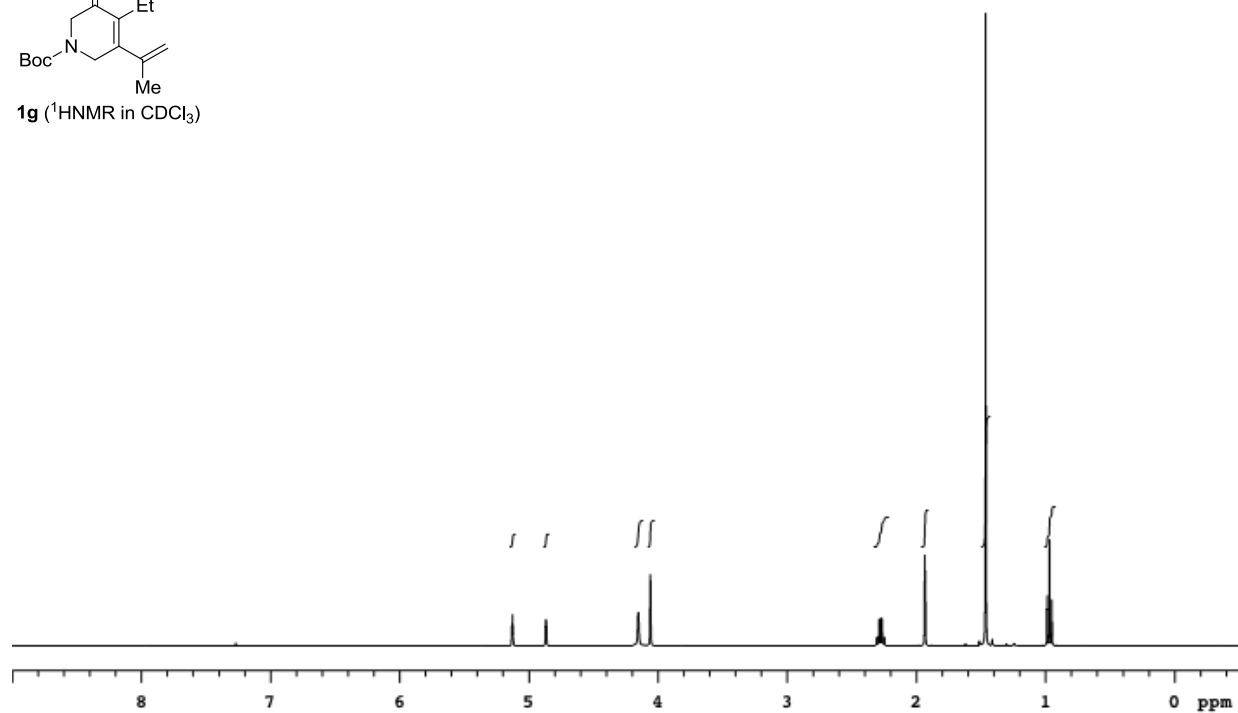
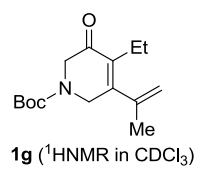


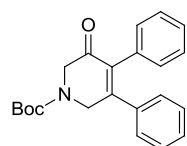




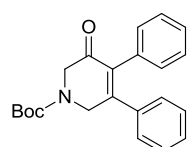
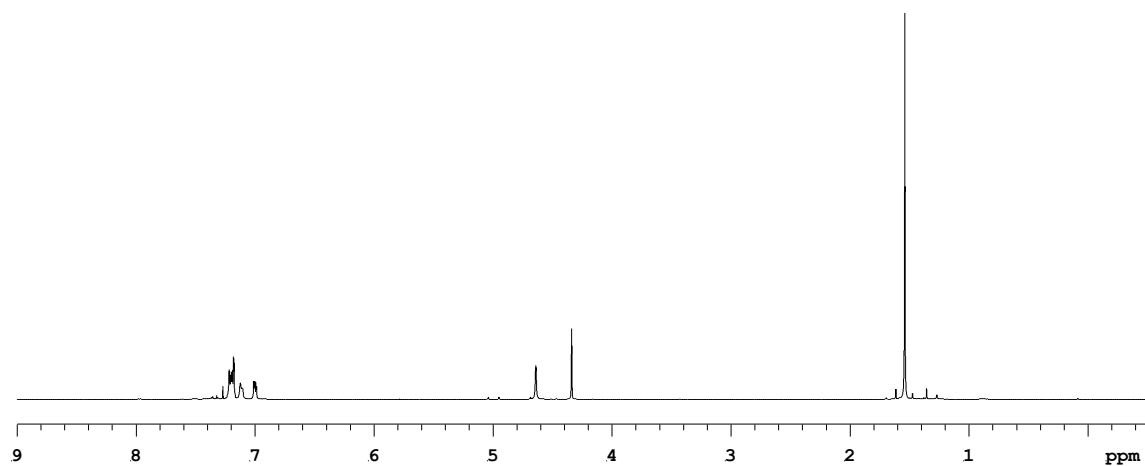




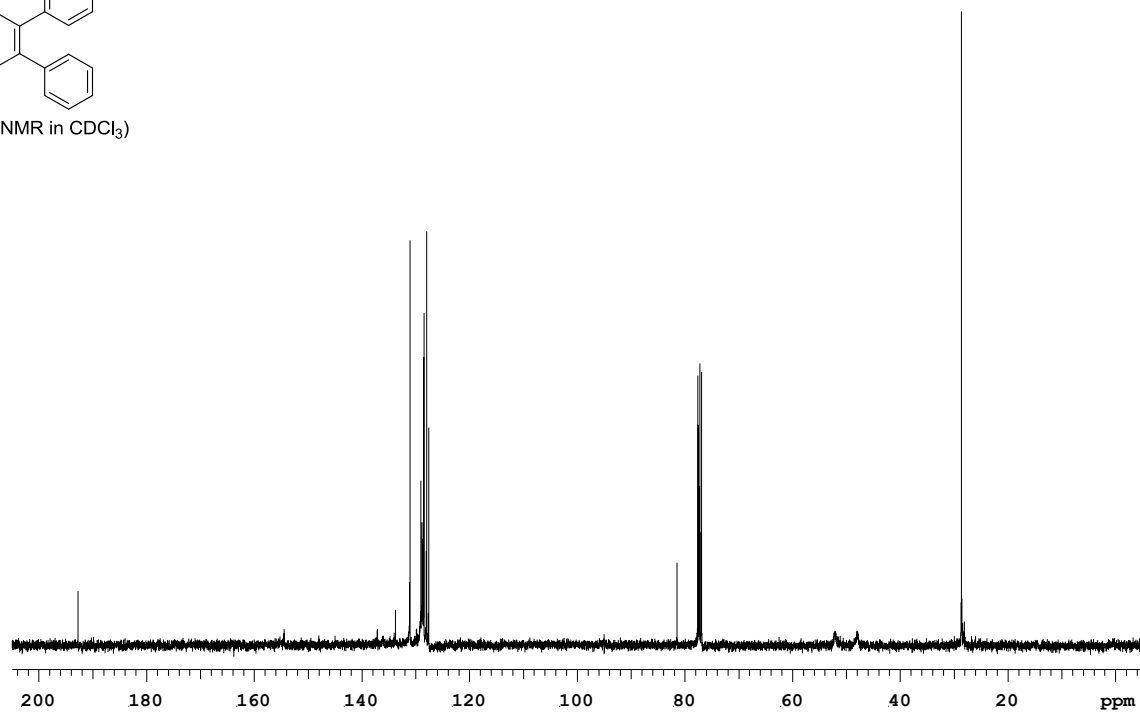


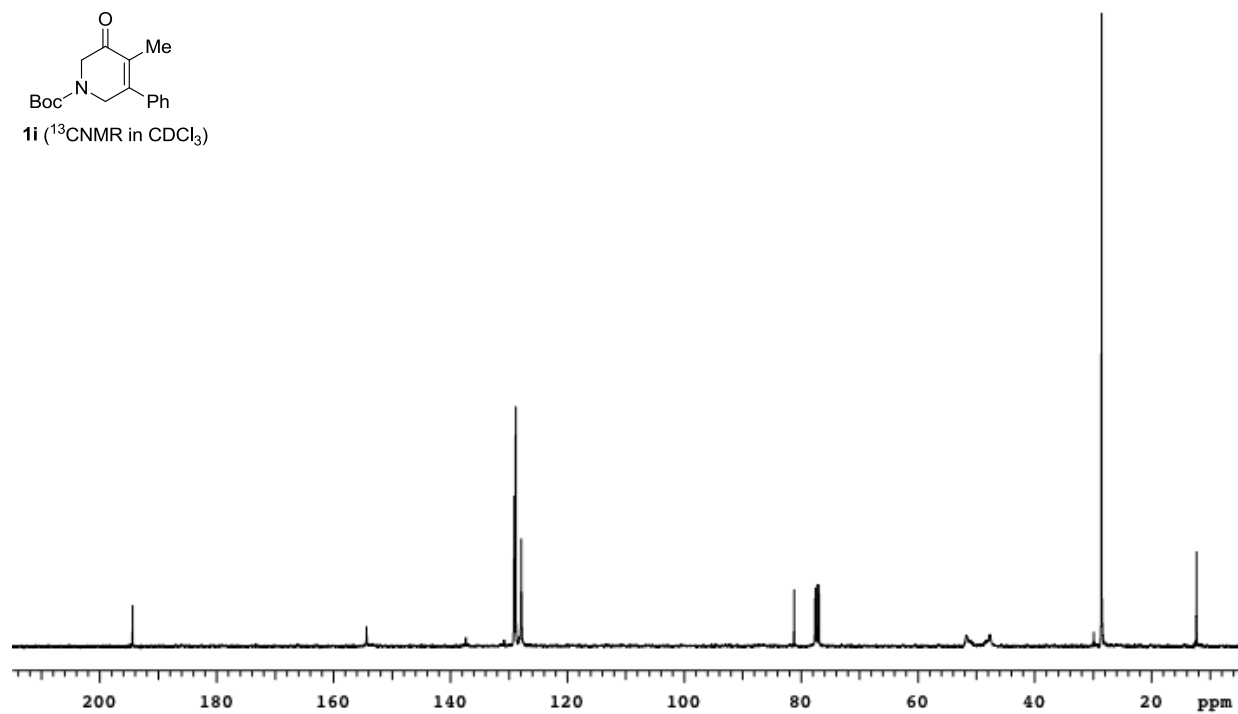
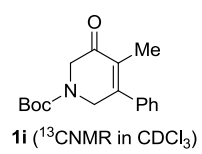
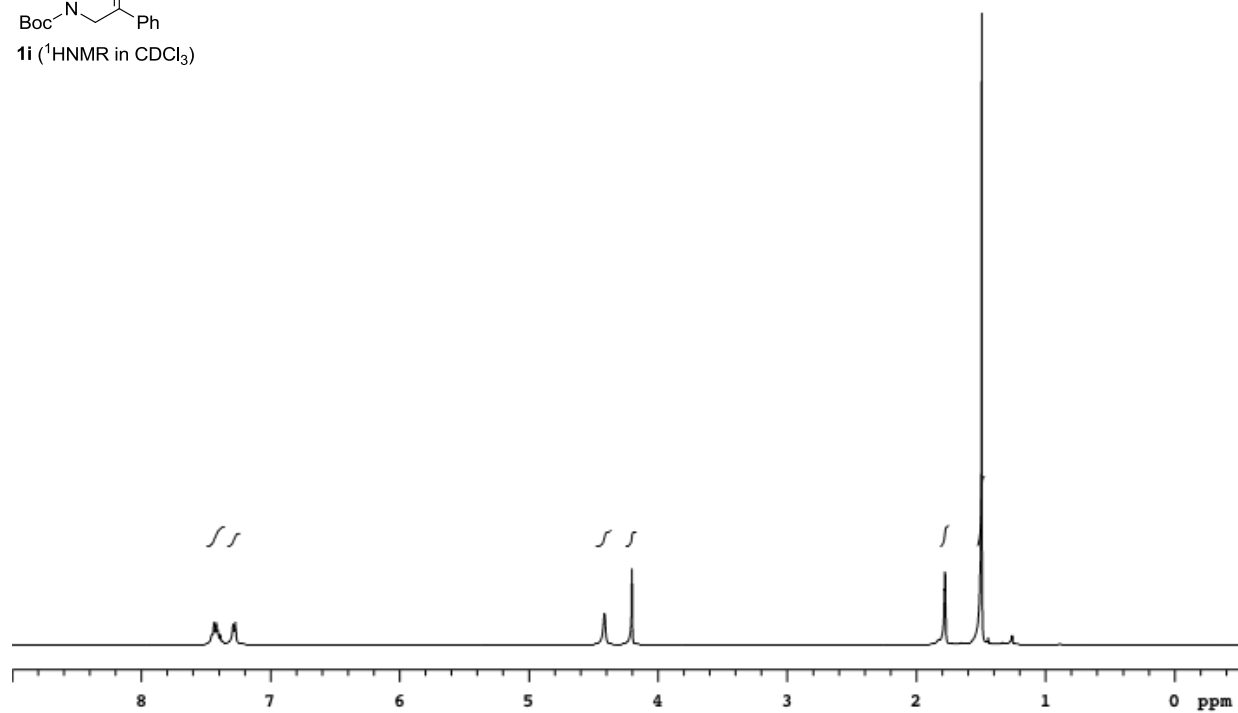
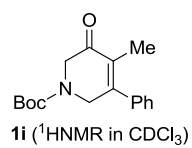


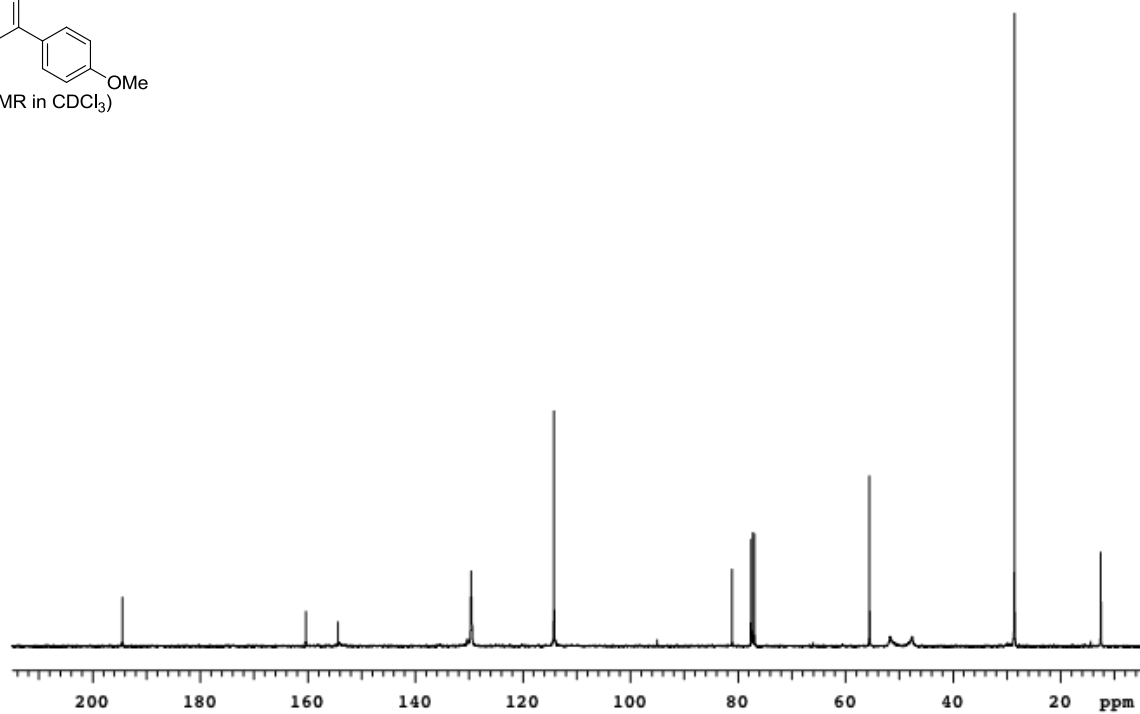
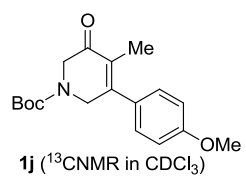
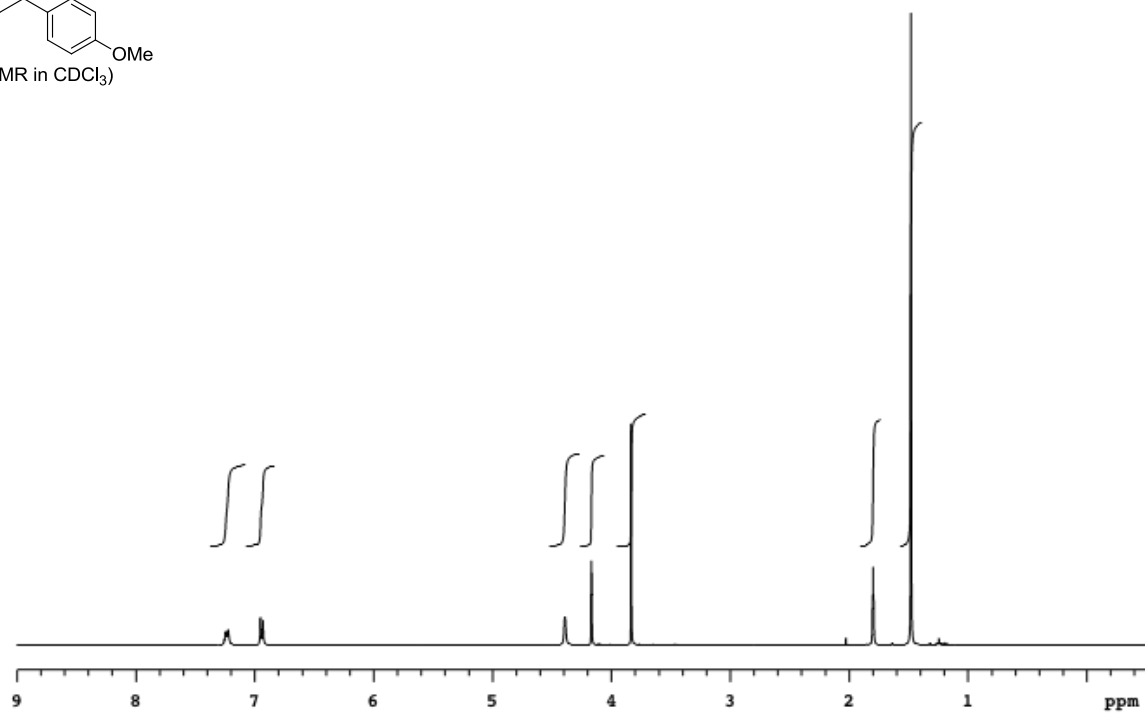
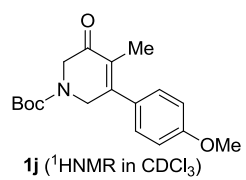
1h (^1H NMR in CDCl_3)

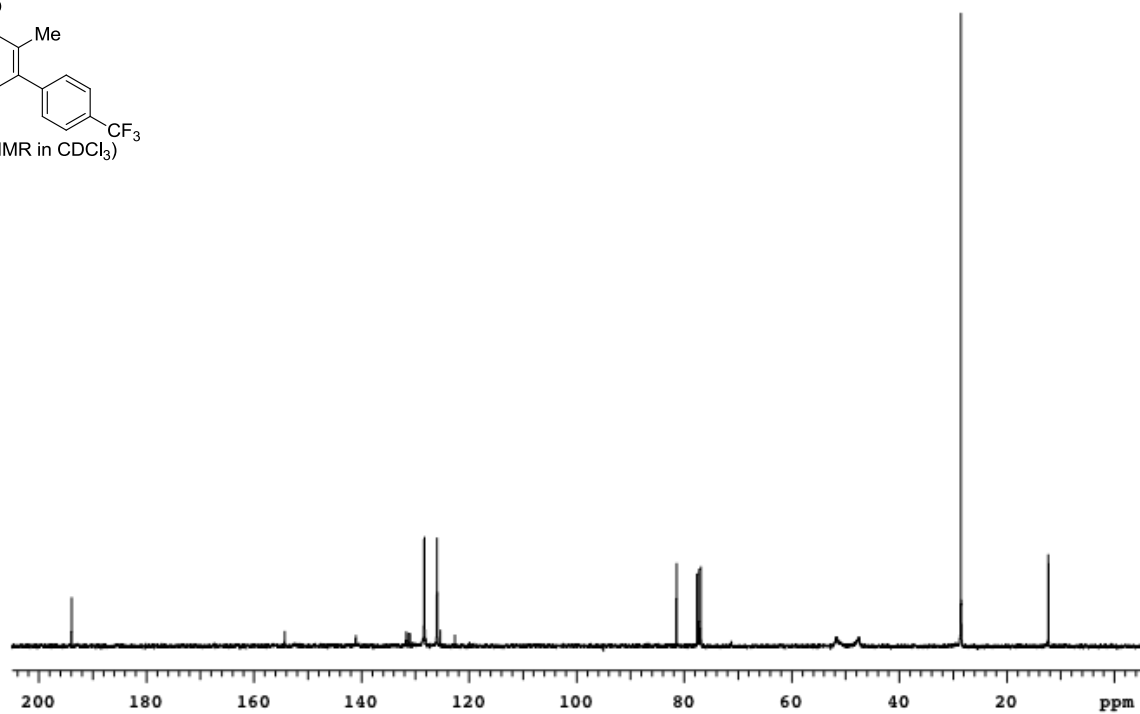
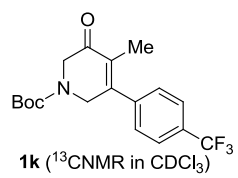
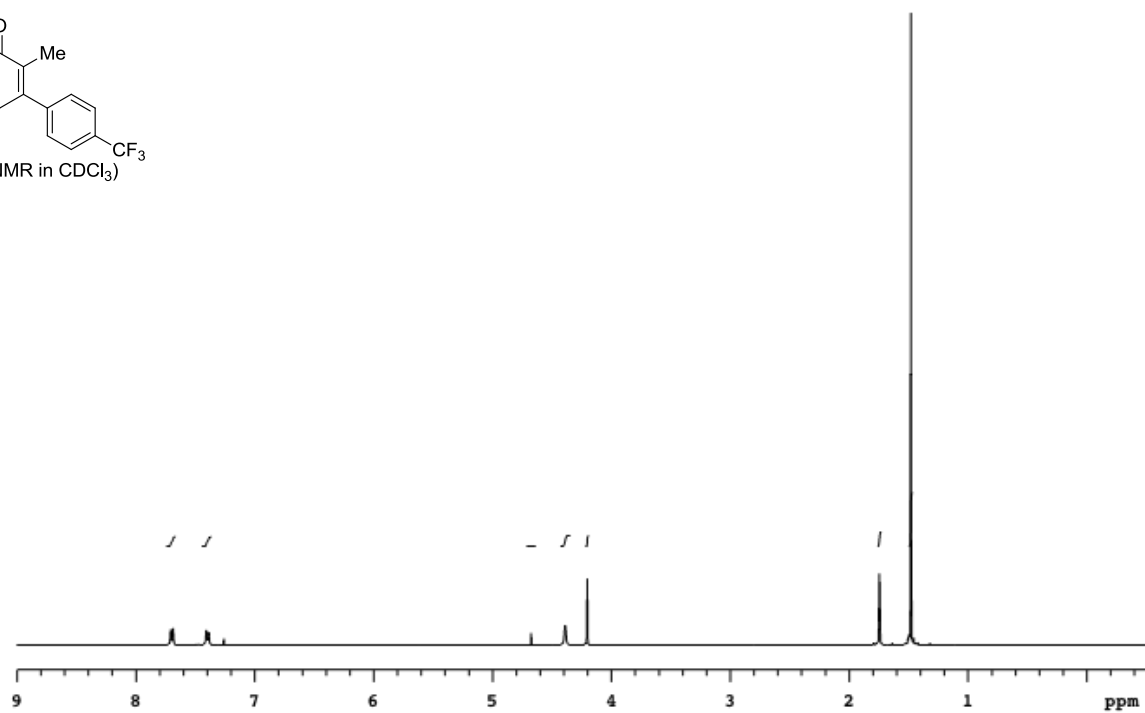
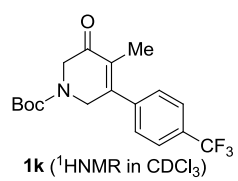


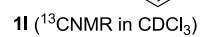
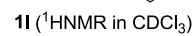
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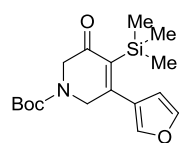




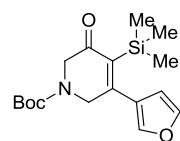
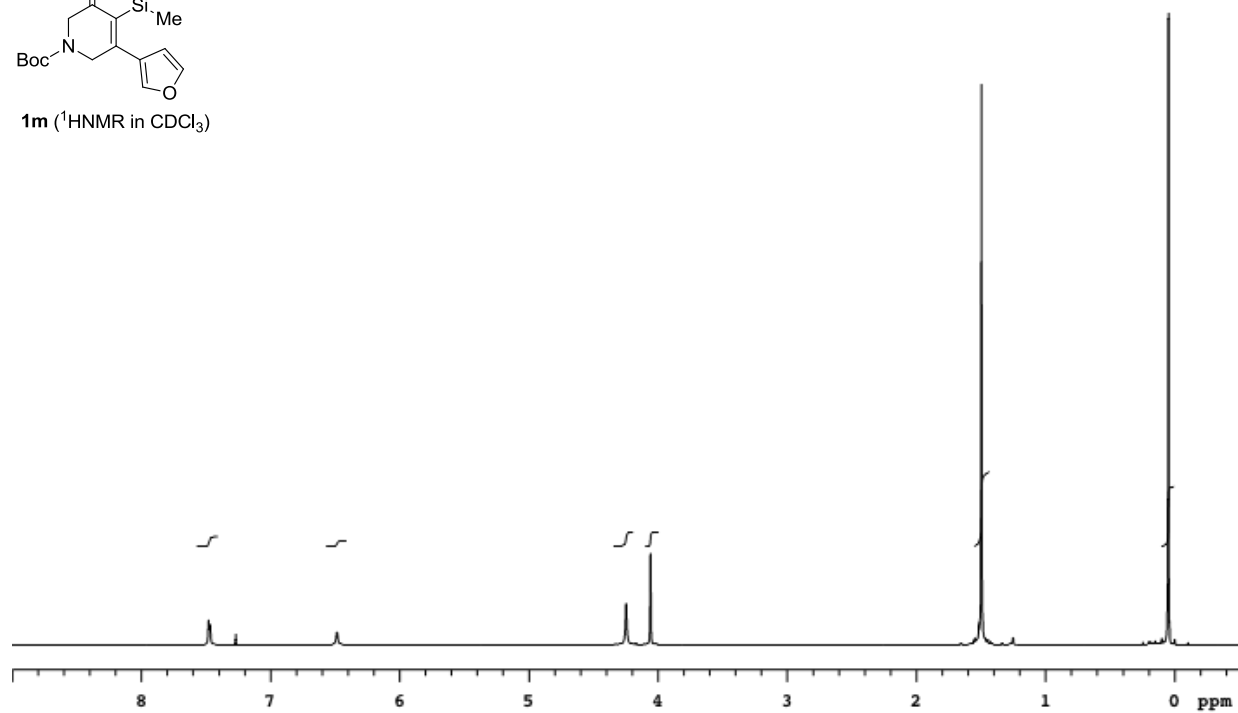




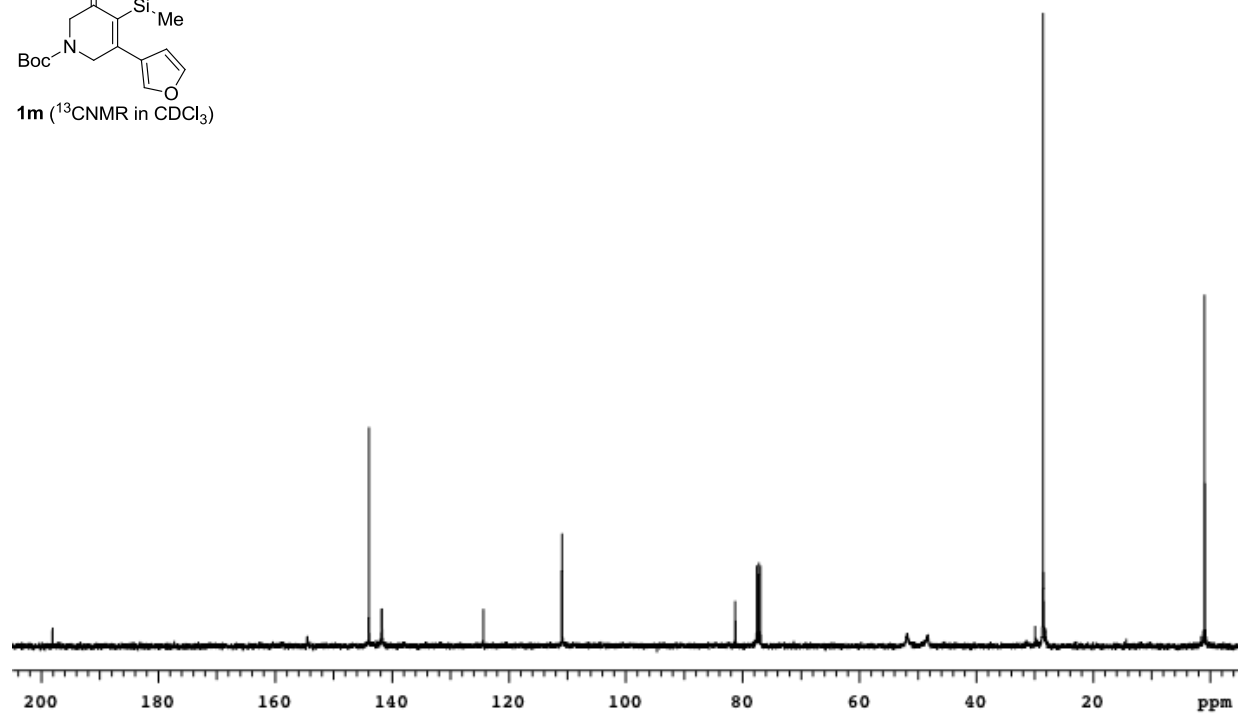


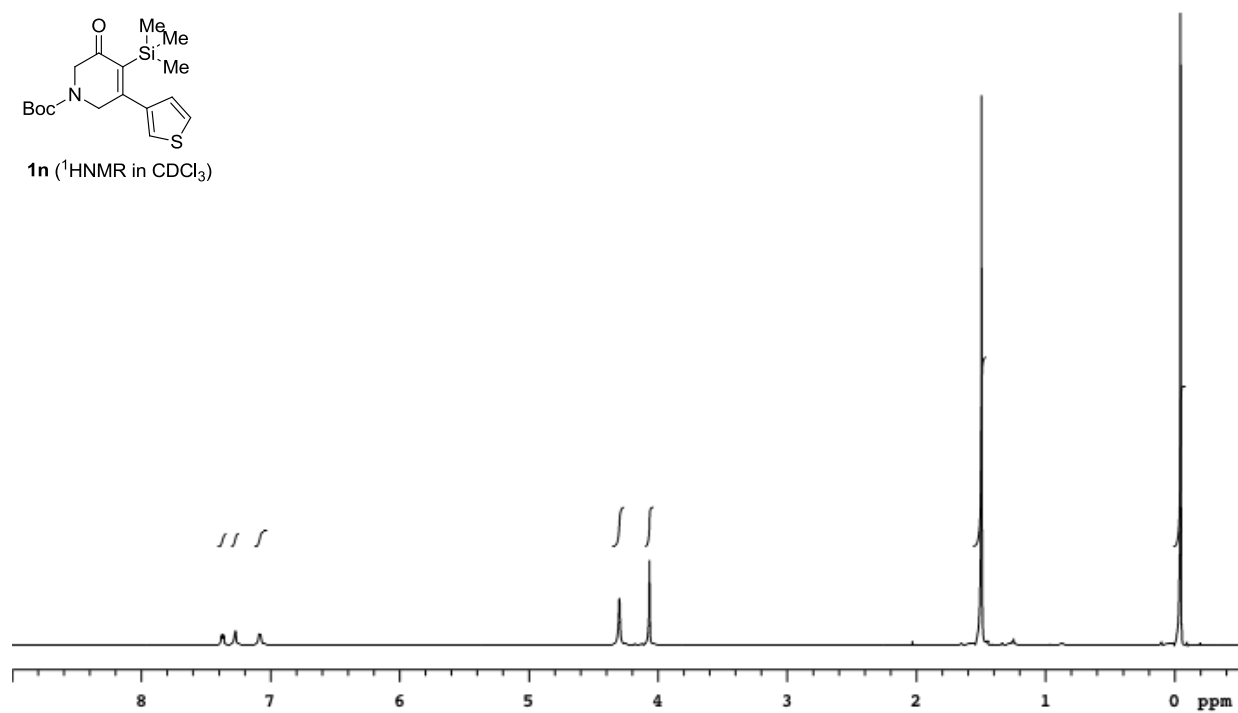
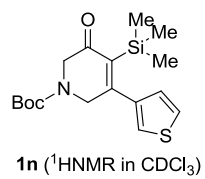


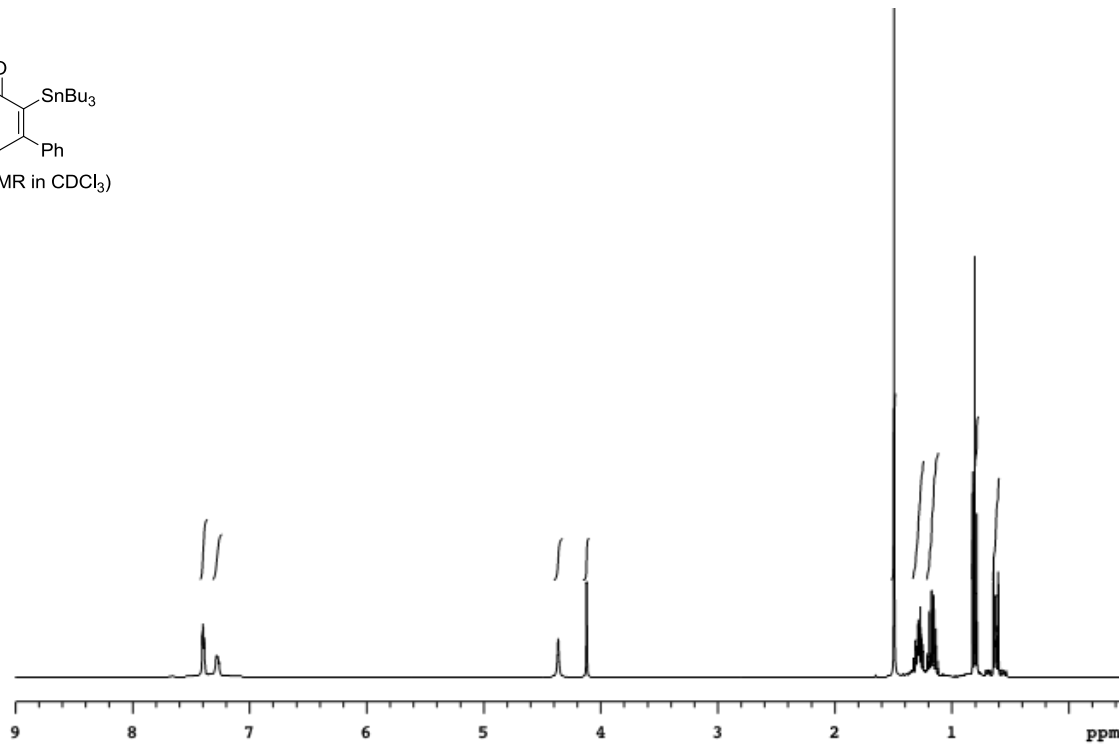
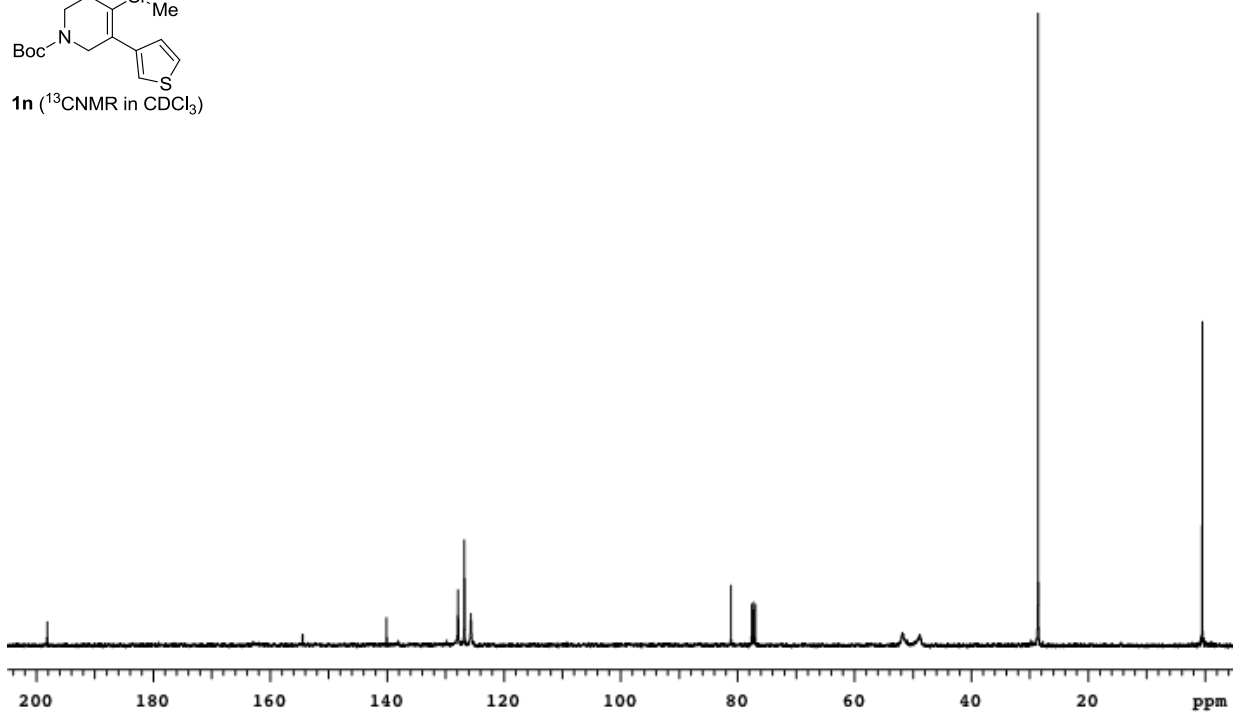
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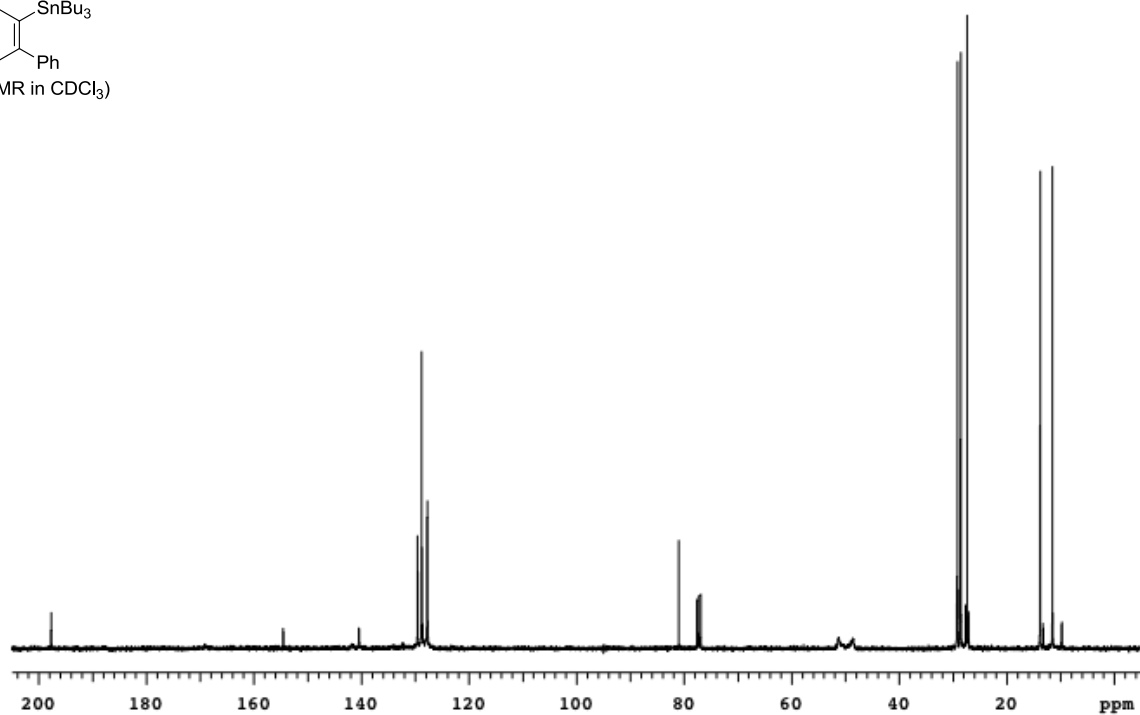
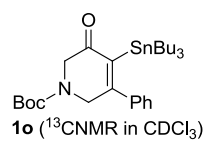


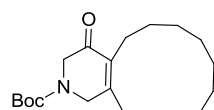
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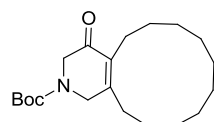
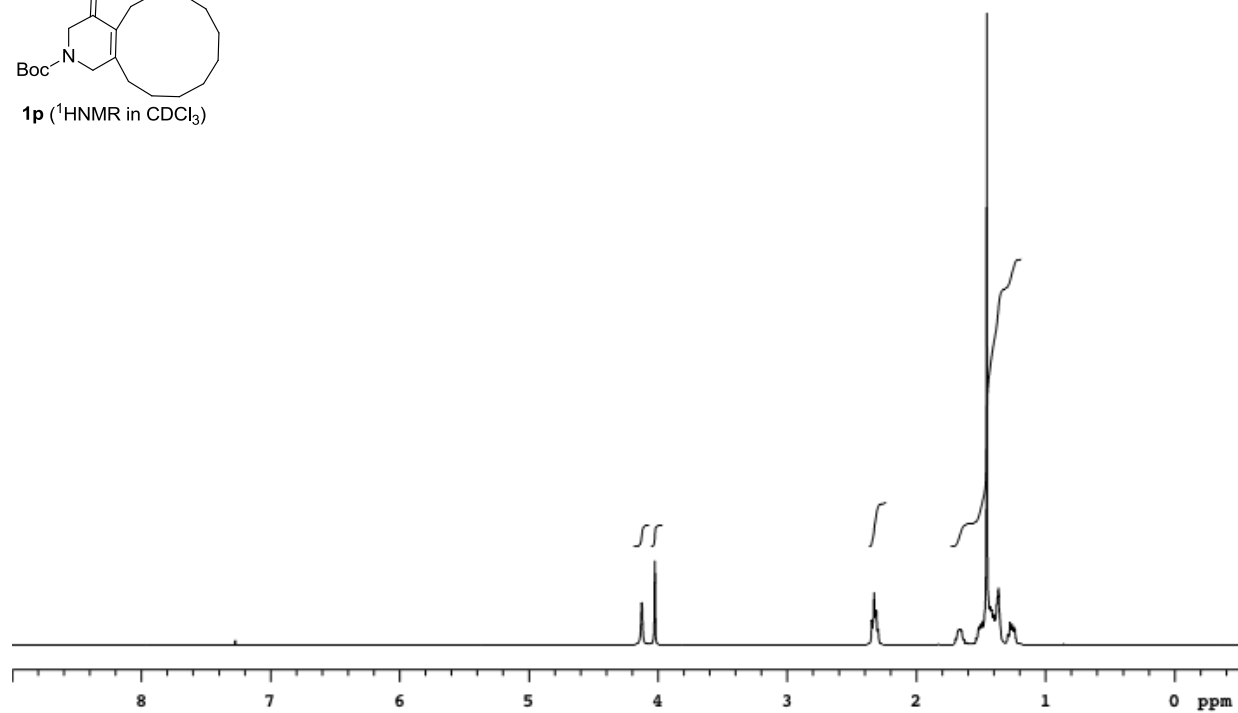








1p (^1H NMR in CDCl_3)



1p (^{13}C NMR in CDCl_3)

