

SUPPORTING INFORMATION

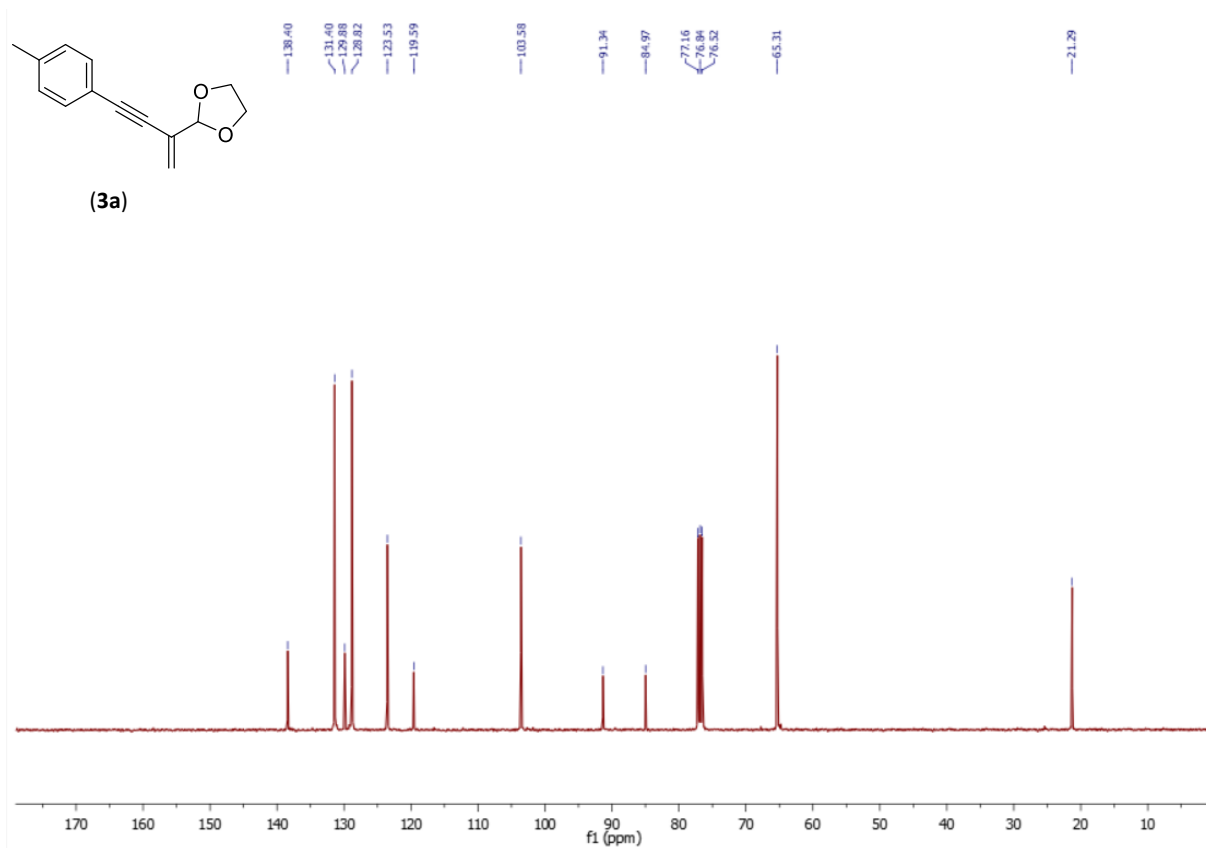
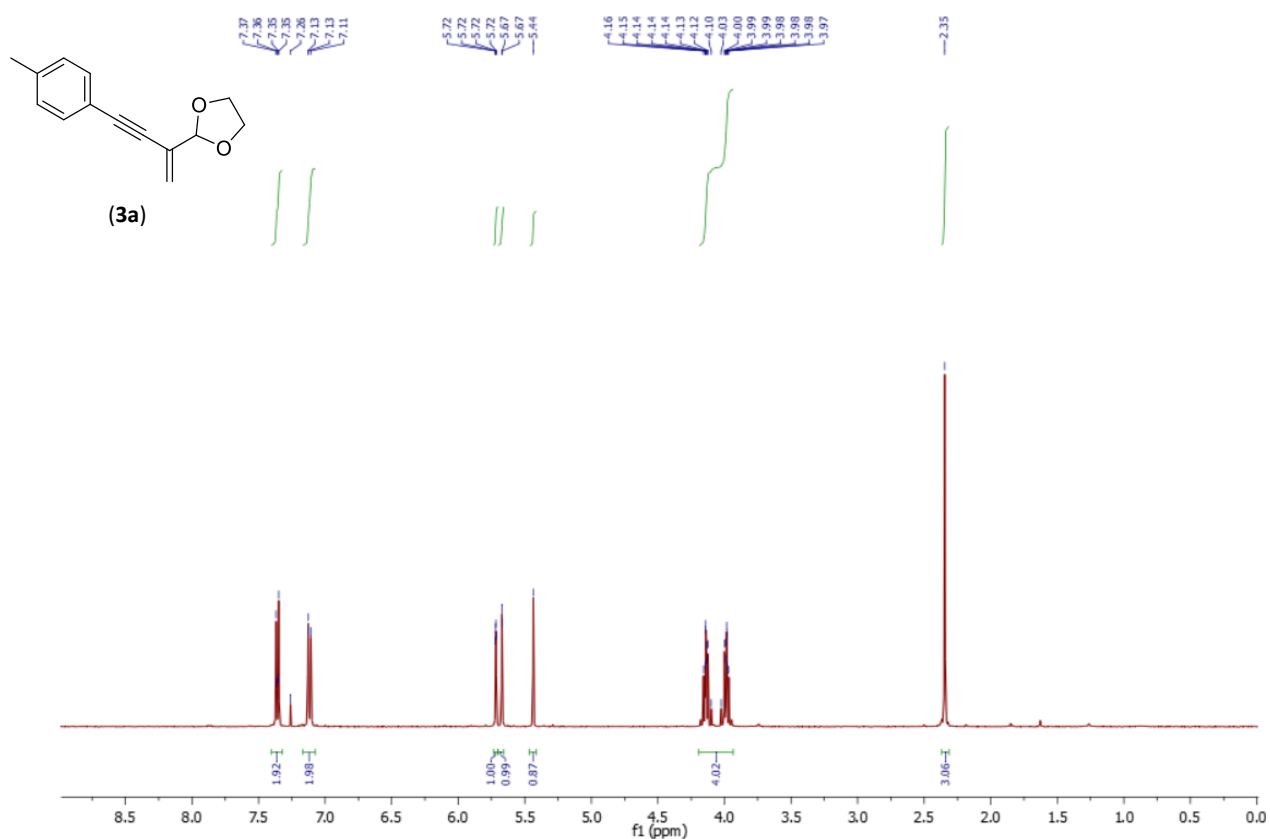
Synthesis of 2-Acetal-1,3-Enynes by Sonogashira Reaction of Bromovinyl Acetals with Alkynes: application to the formal synthesis of a glucagon antagonist

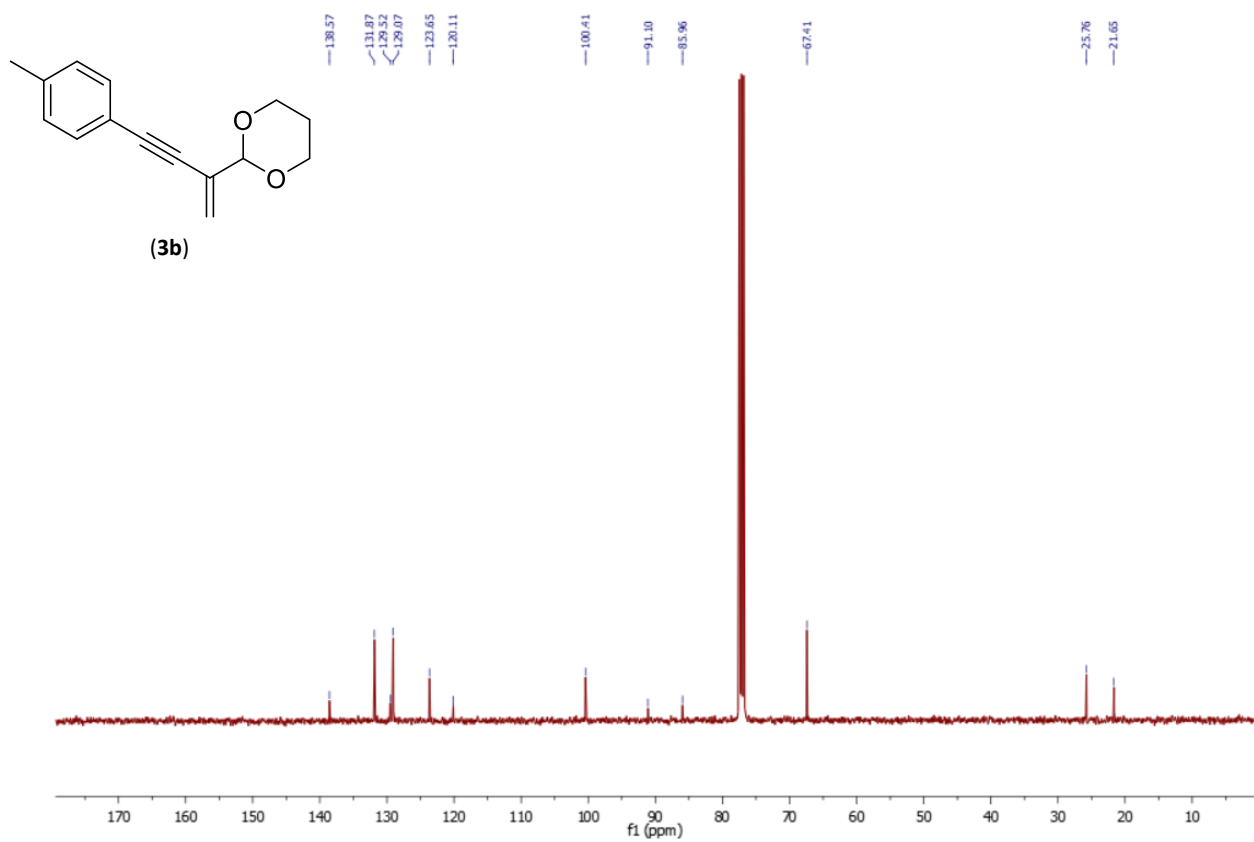
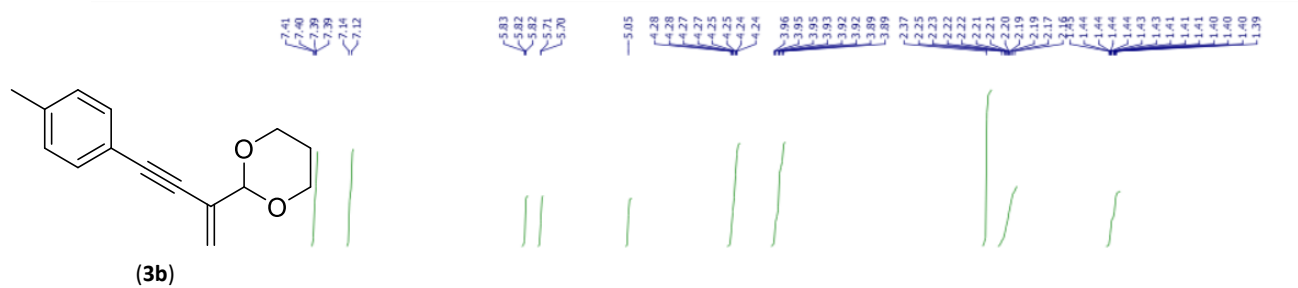
Lucas Bacheley,^{a,b} Quentin Llopis,^{a,b} Anne Westermeyer,^{a,b} Gérard Guillaumot,^b Phannarath Phansavath,^{*,a} and Virginie Ratovelomanana-Vidal^{*,a}

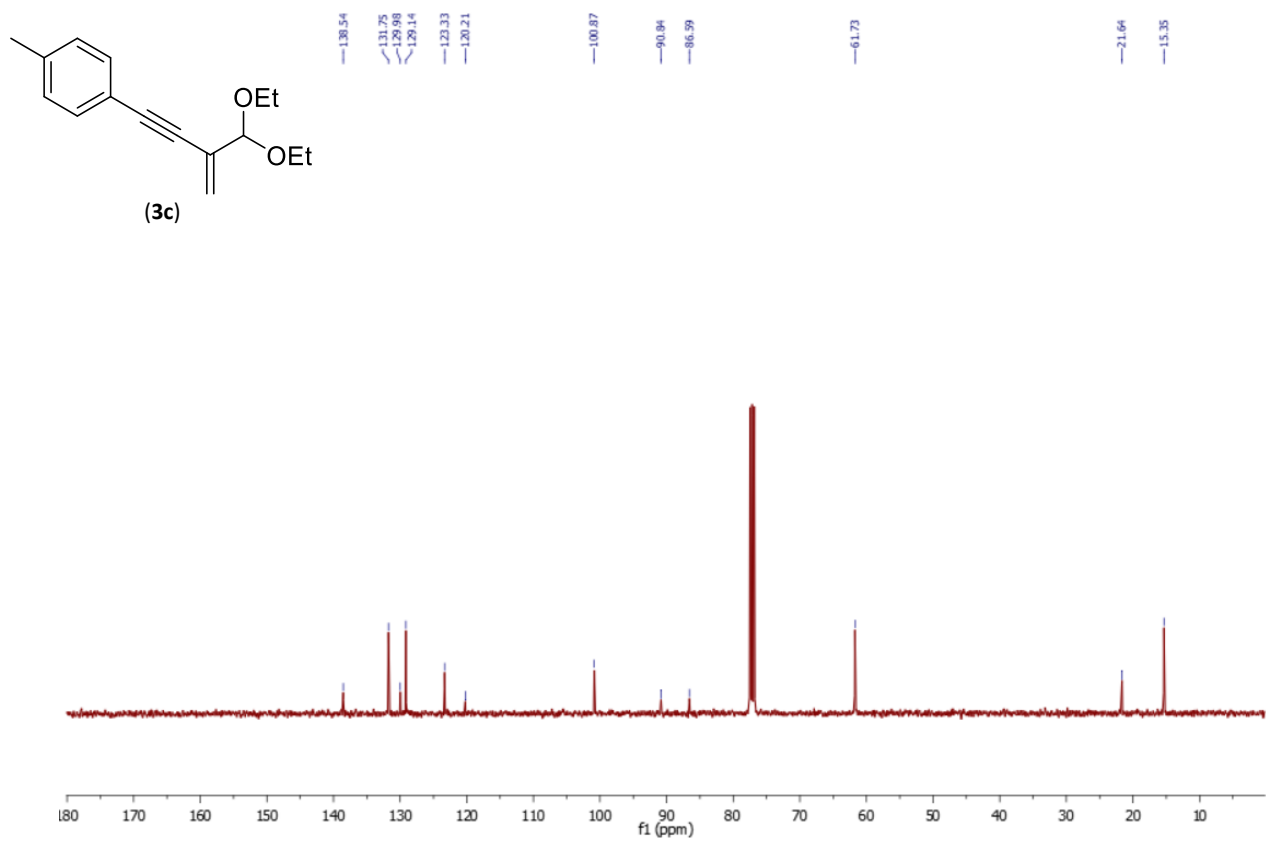
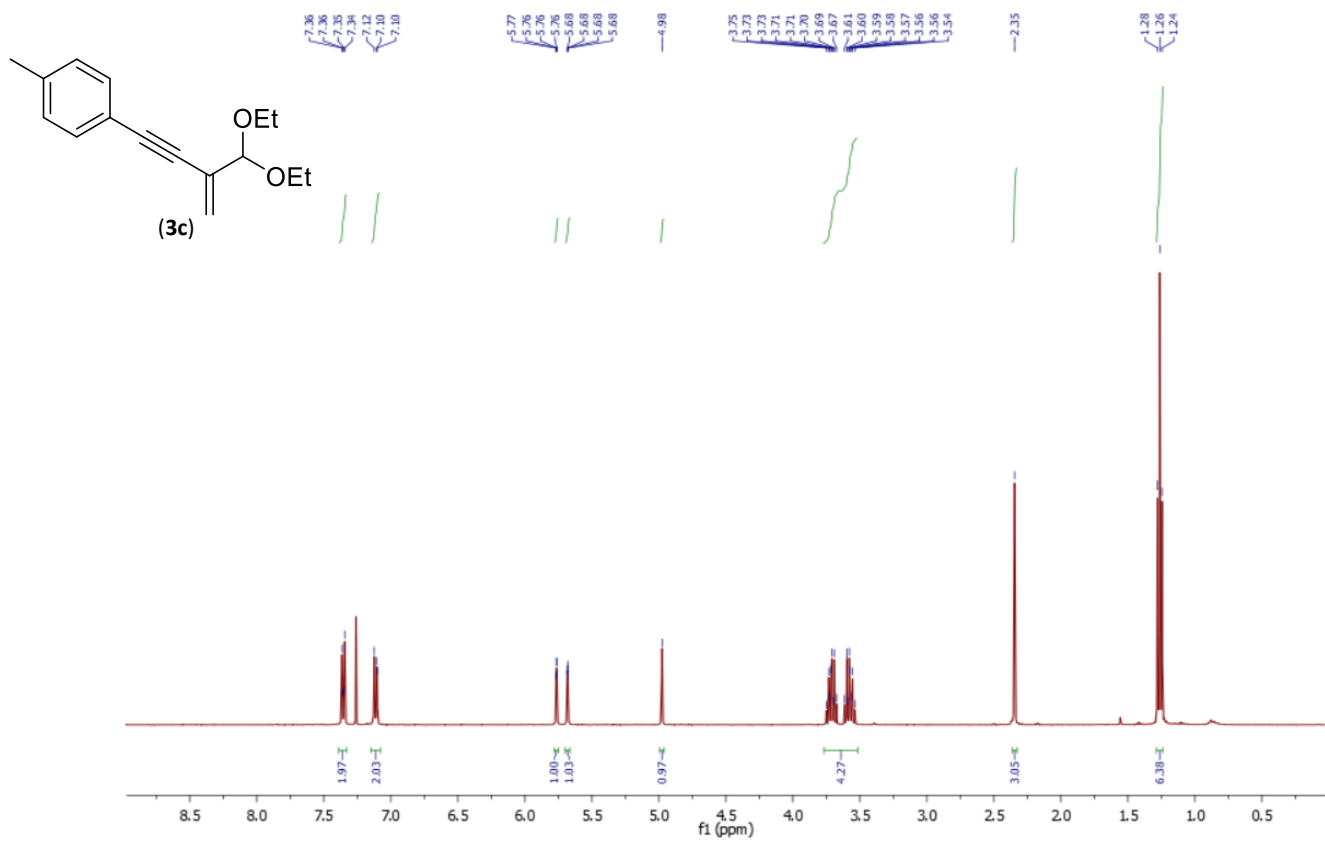
^a PSL University, Chimie ParisTech, Institute of Chemistry for Life & Health Sciences, CNRS UMR8060, CSB2D Team, 11 rue Pierre et Marie Curie, 75005 Paris, France

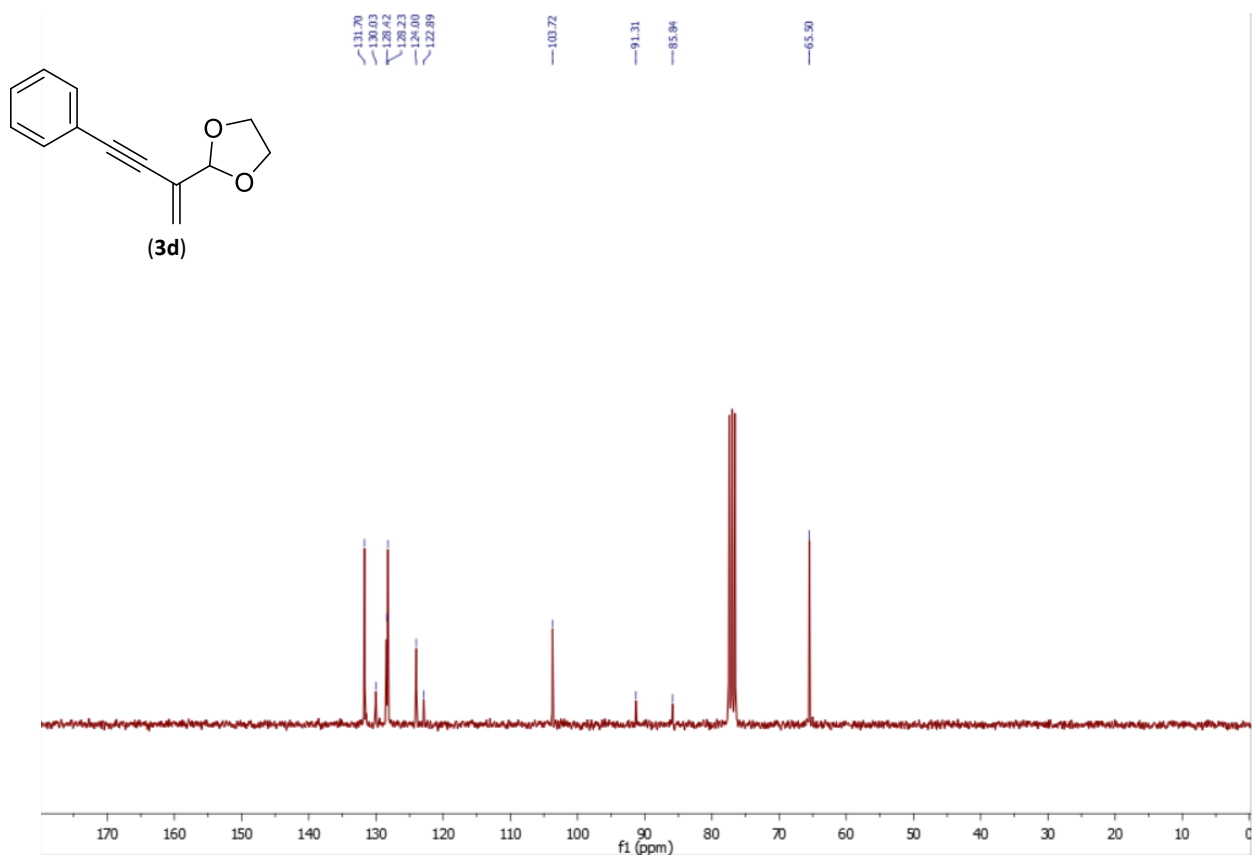
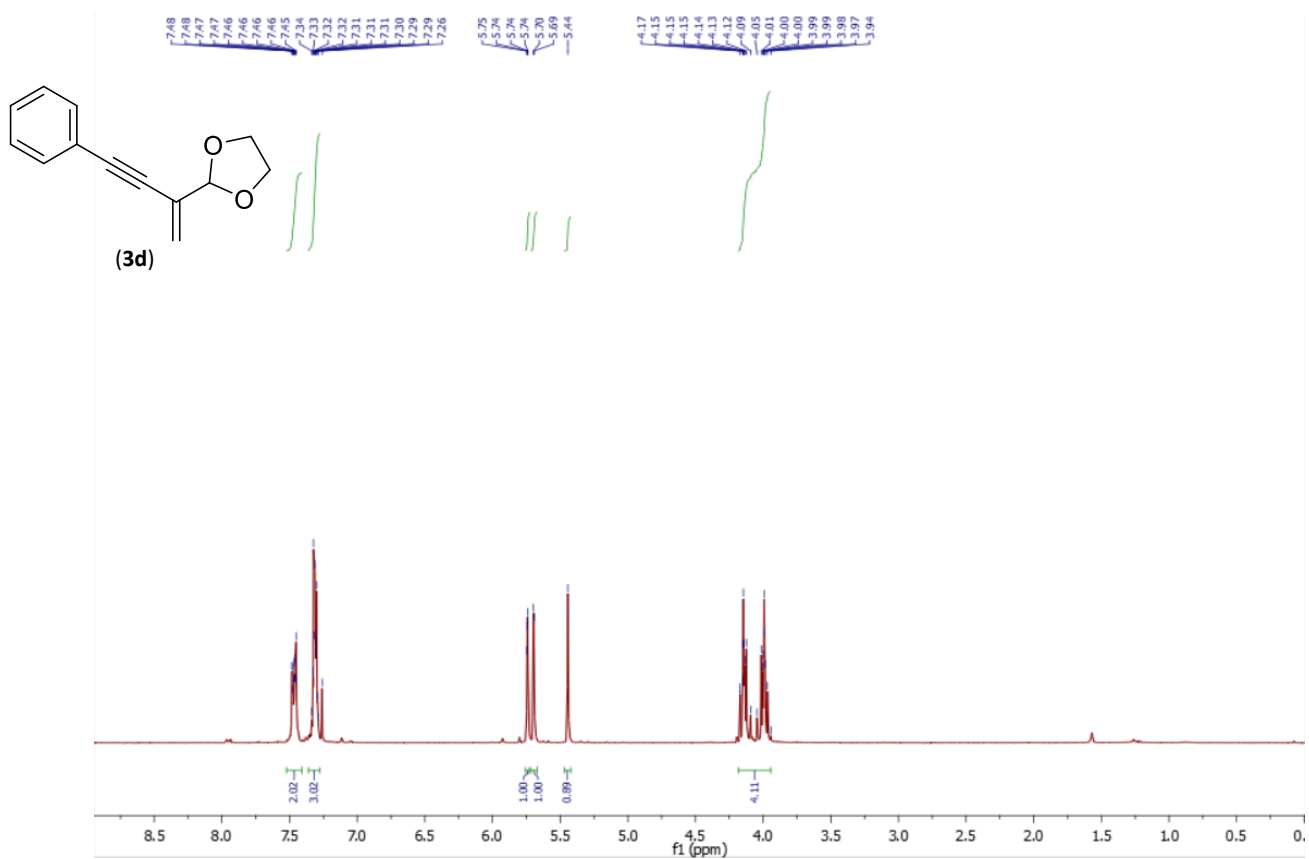
^b SEQENS, 2-8 rue de Rouen, ZI de Limay-Porcheville, 78440 Porcheville, France

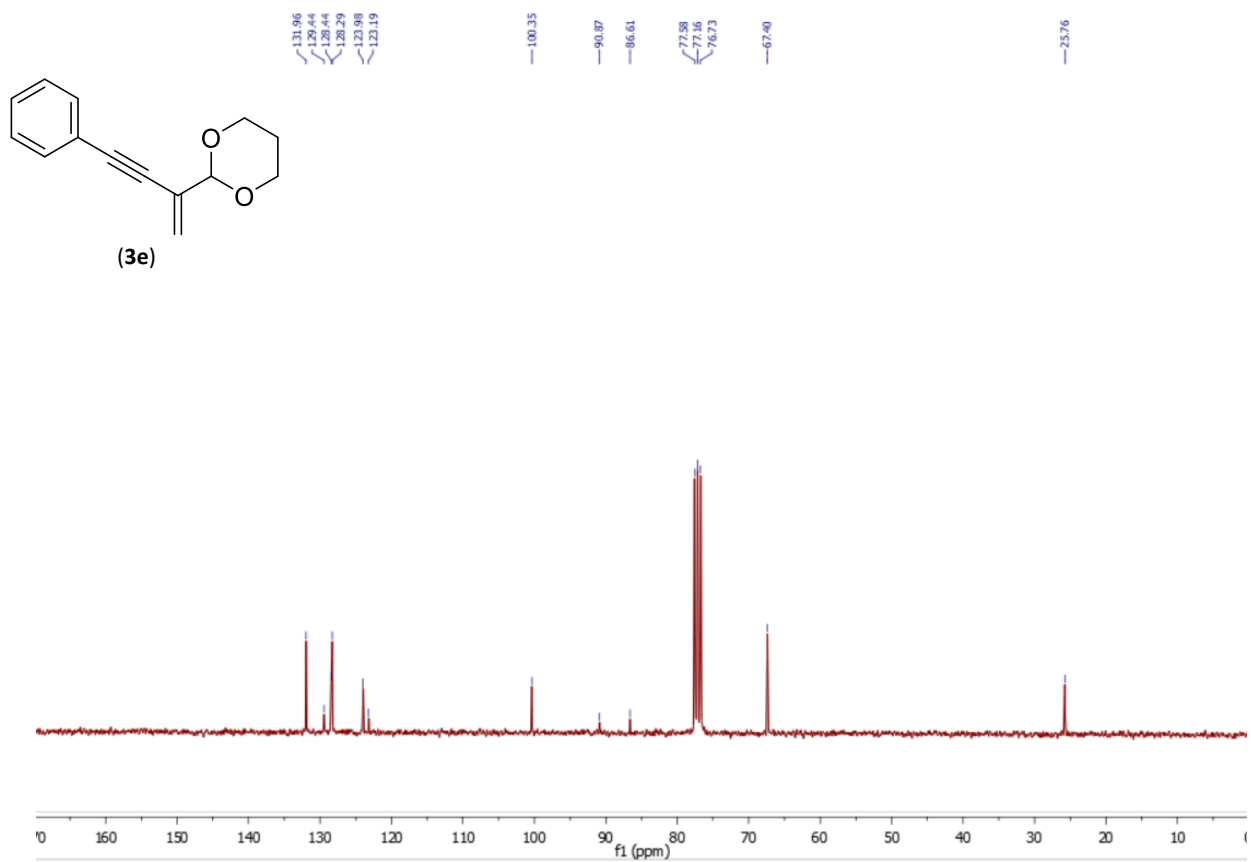
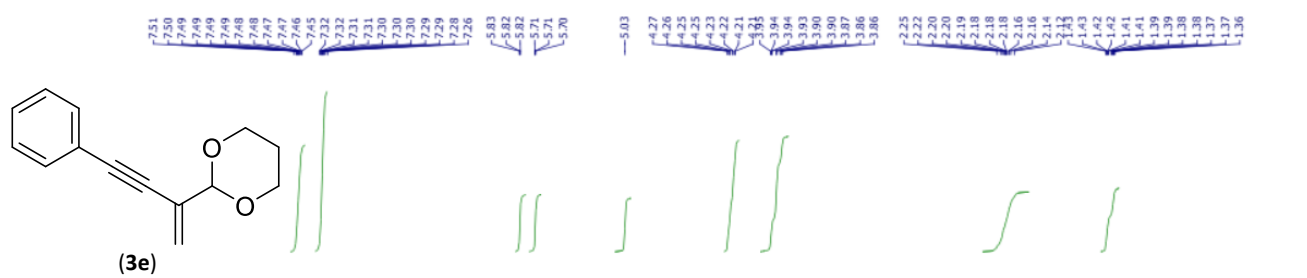
I. Preparation of 2-acetal-1,3-enynes 3a-3e'' – NMR spectra

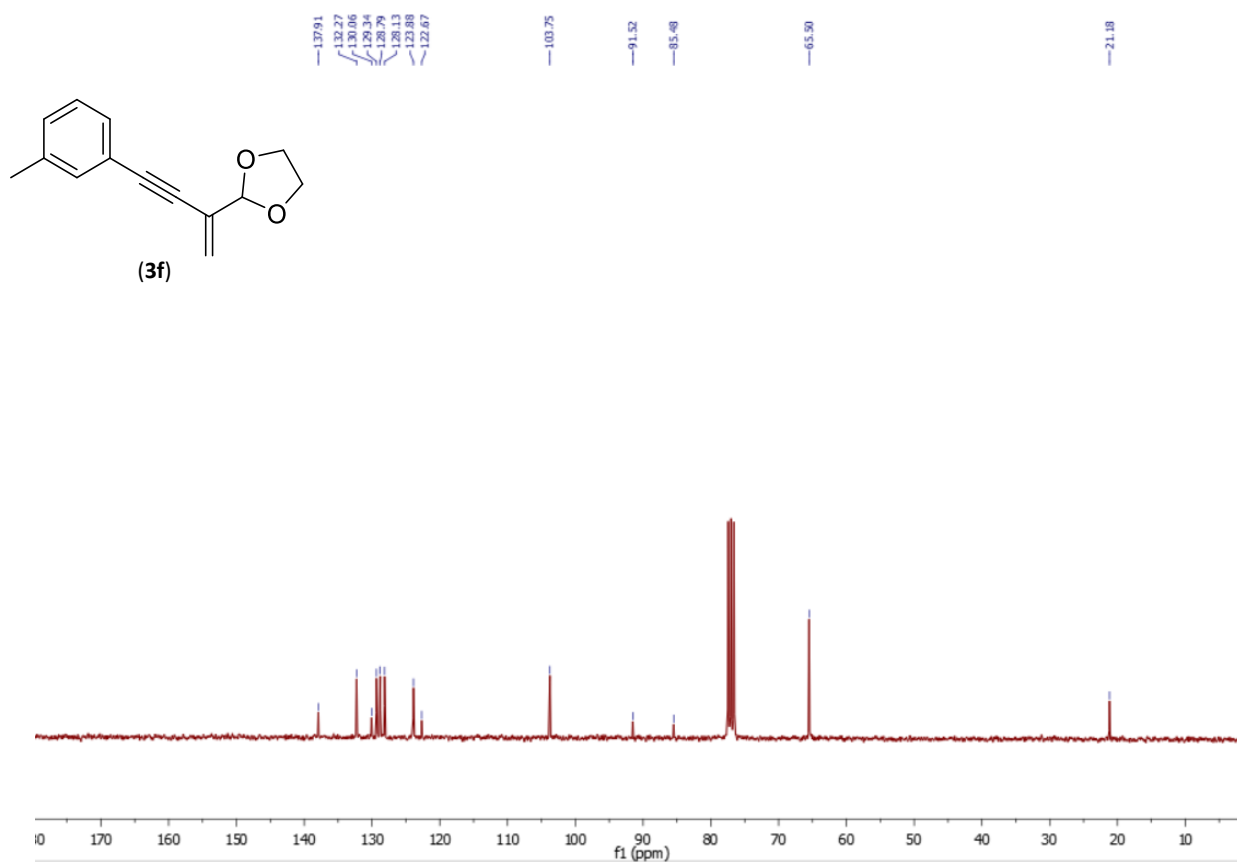
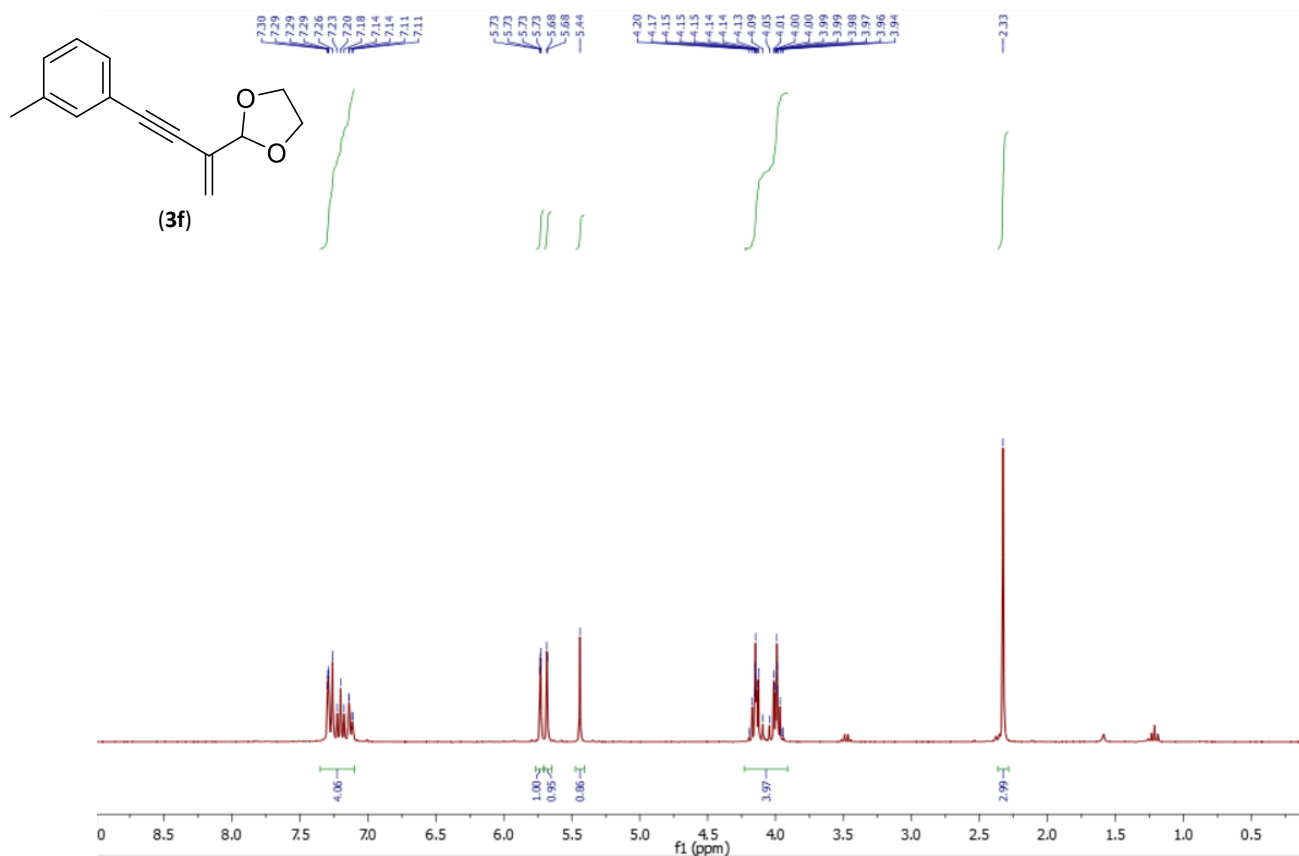


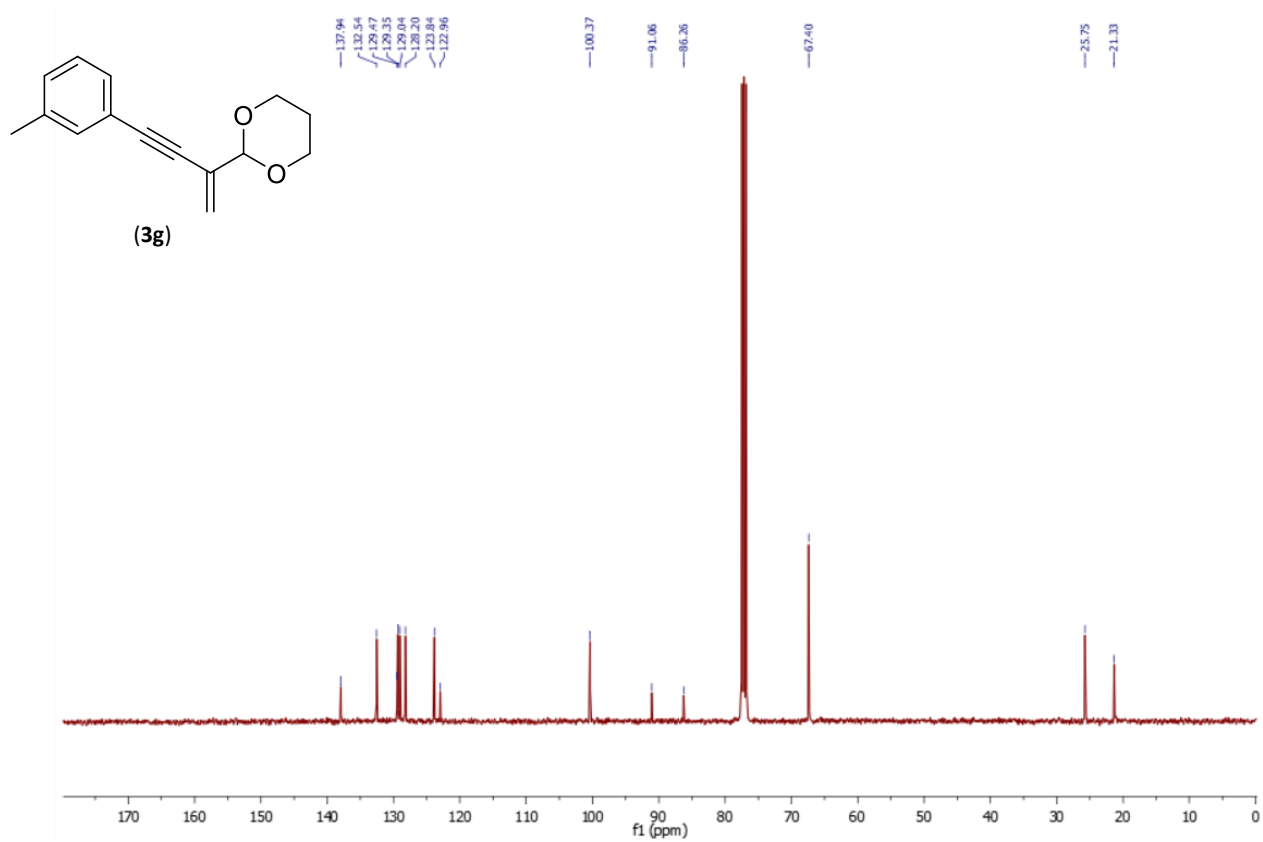
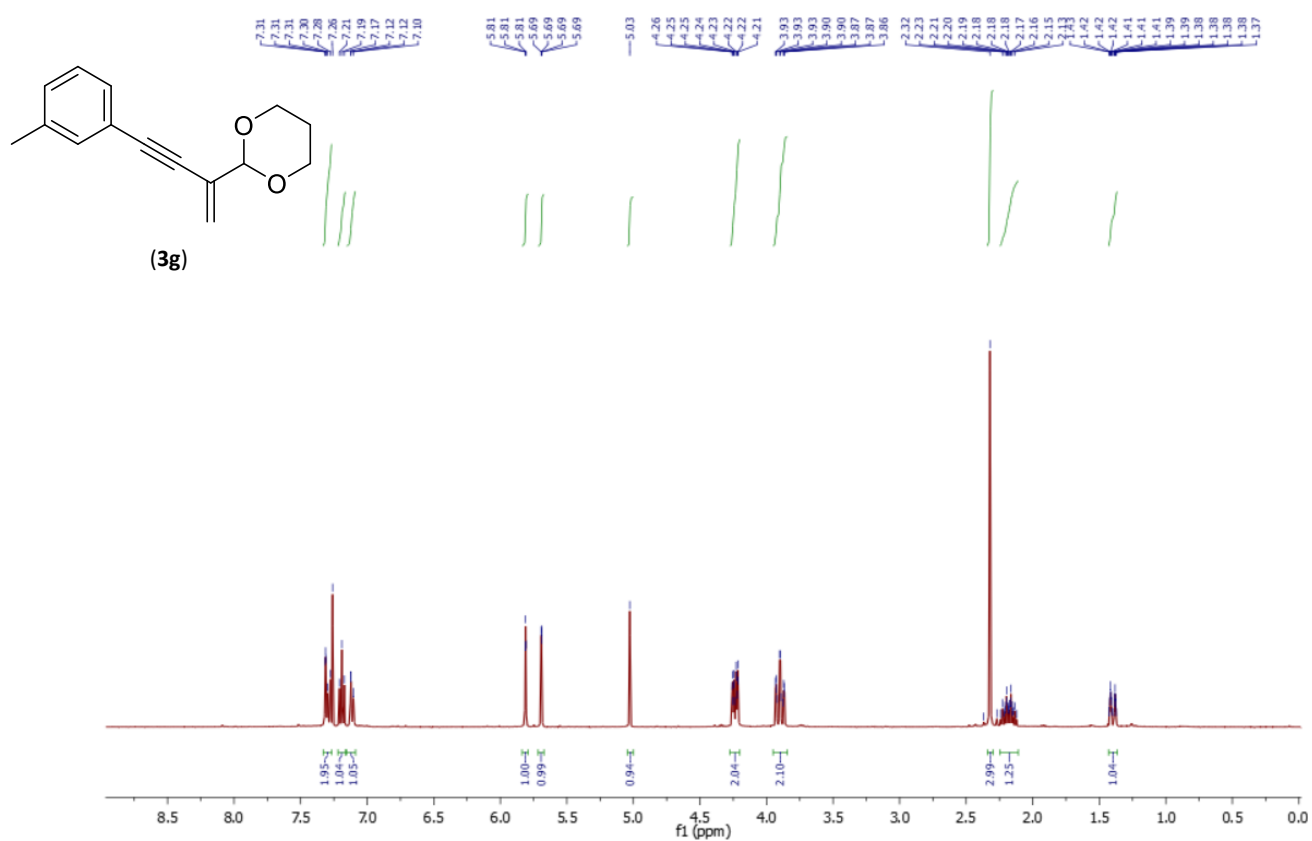


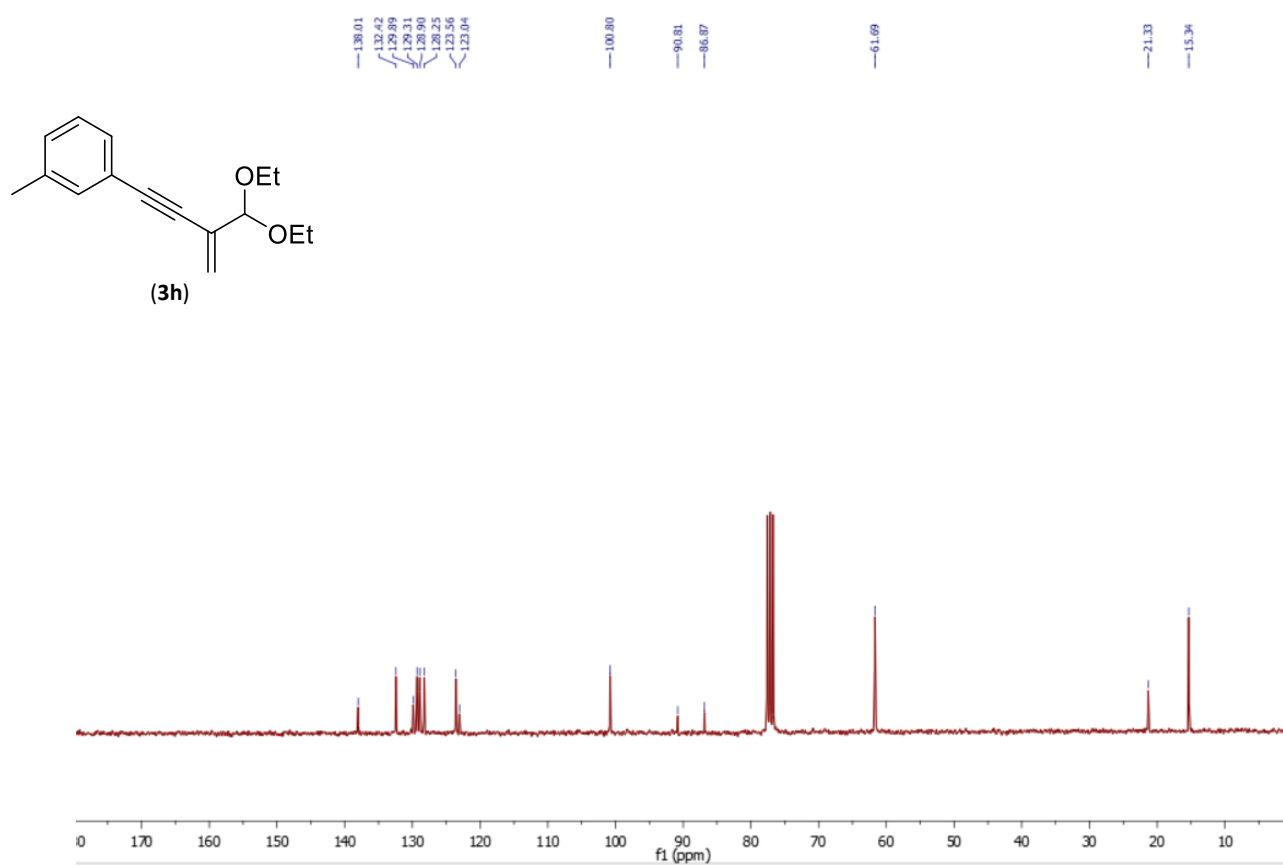
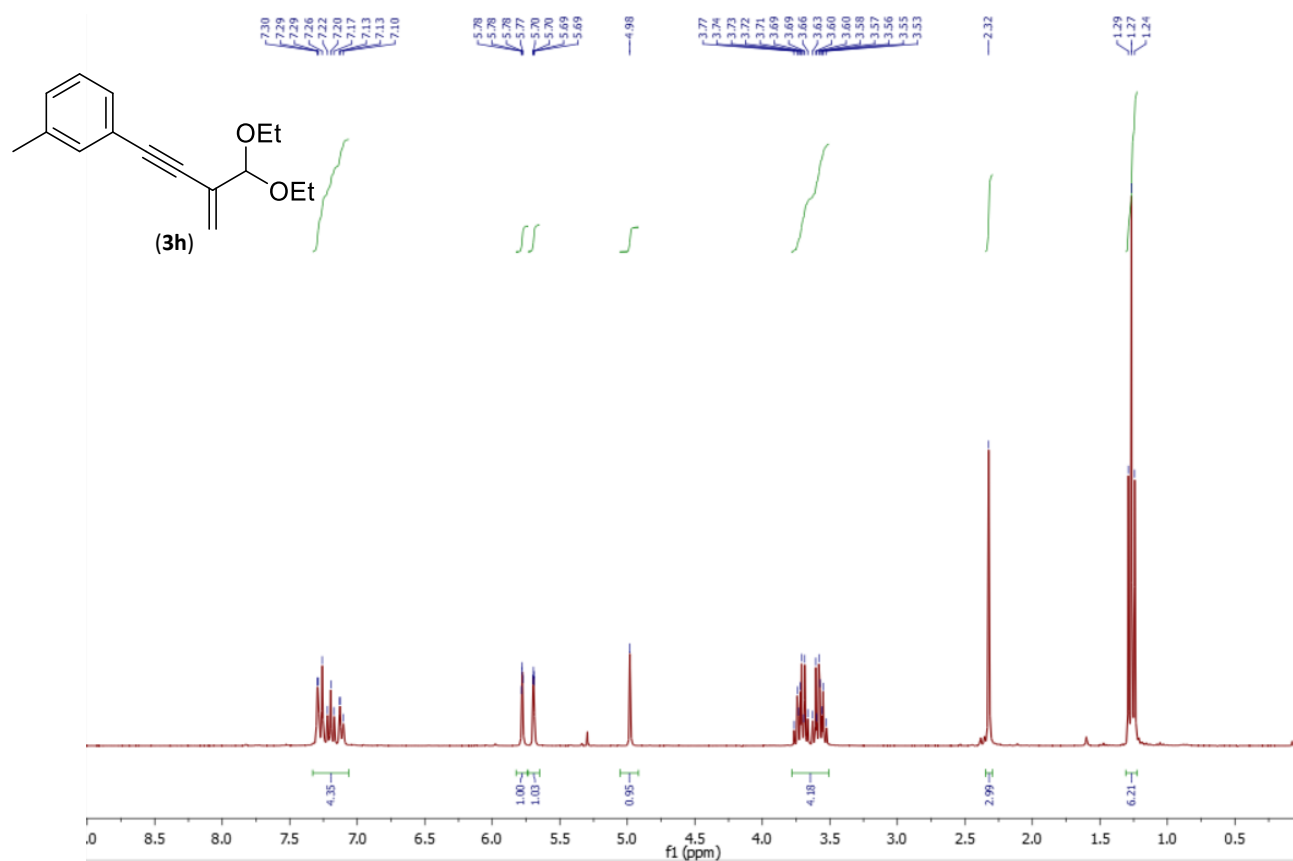


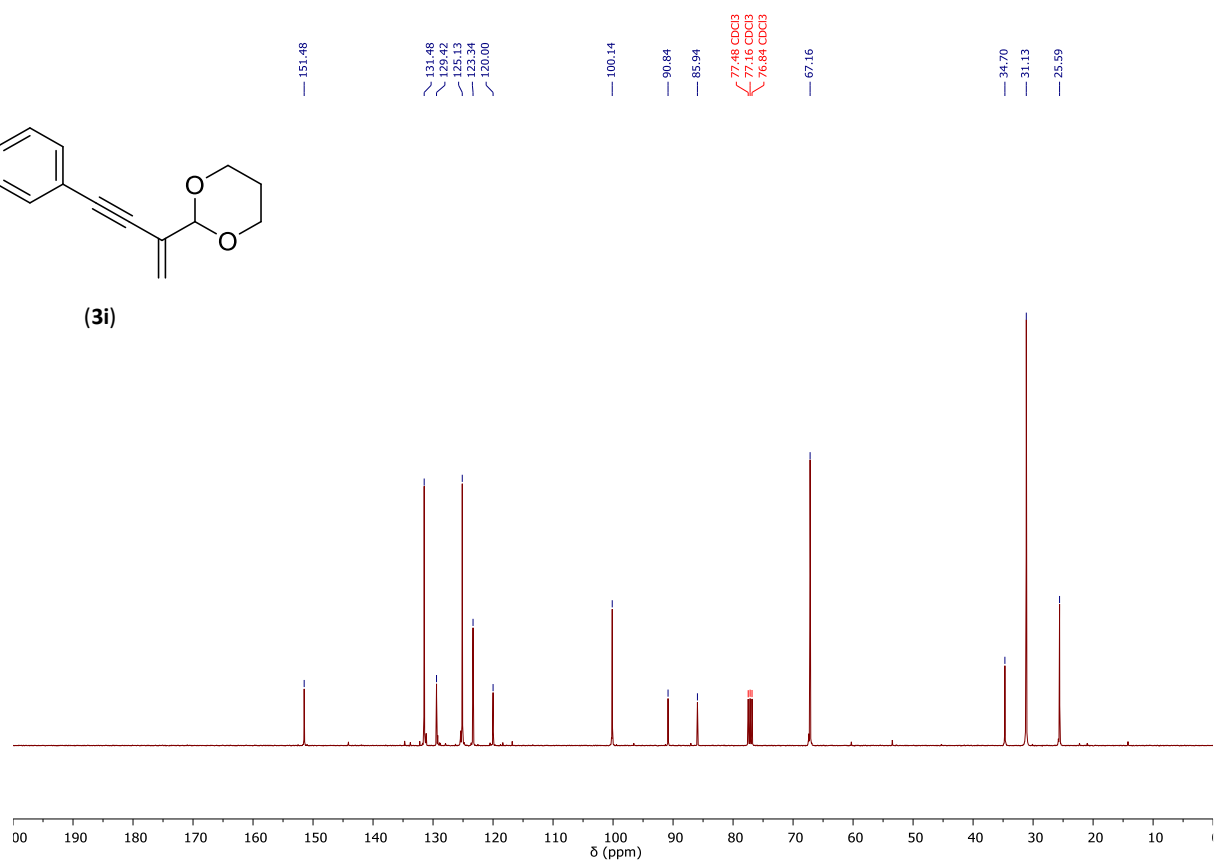
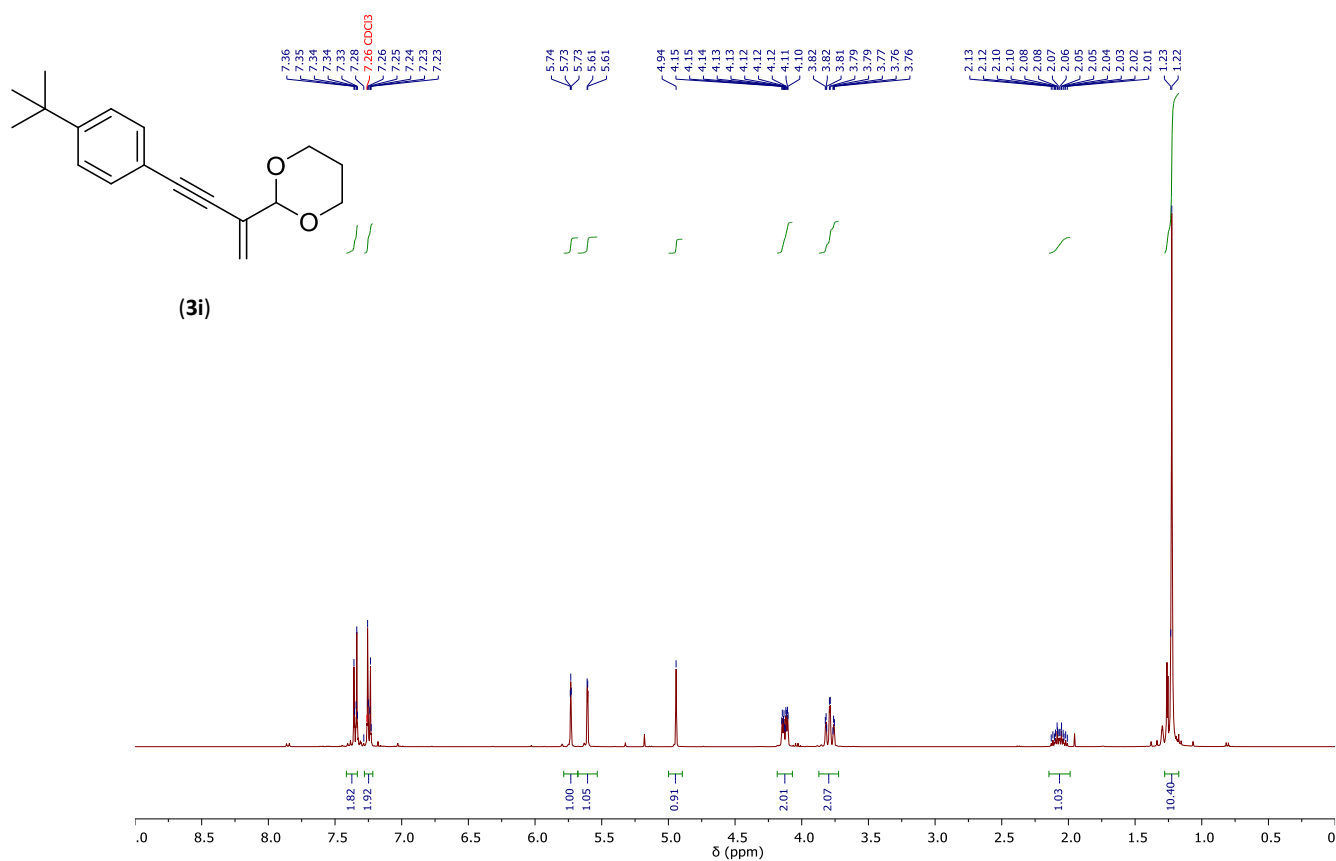


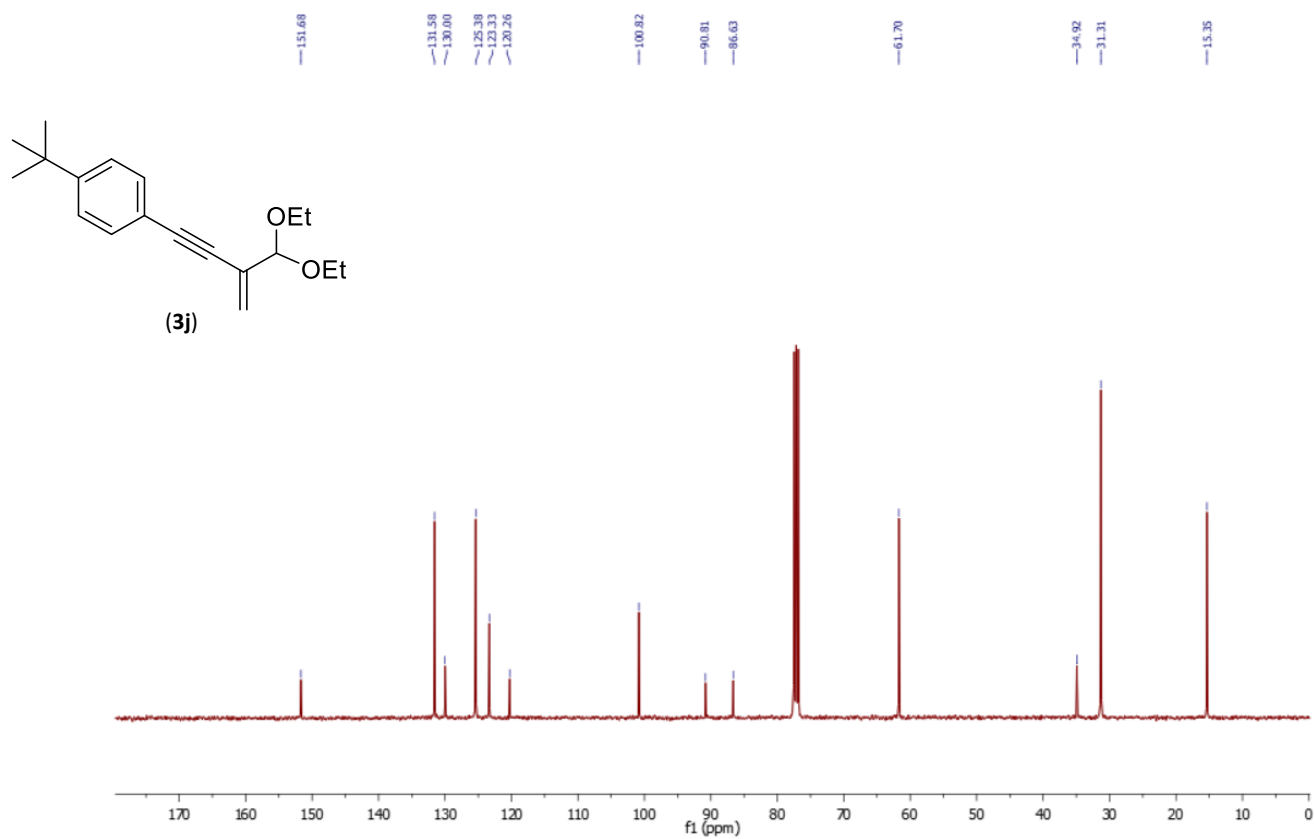
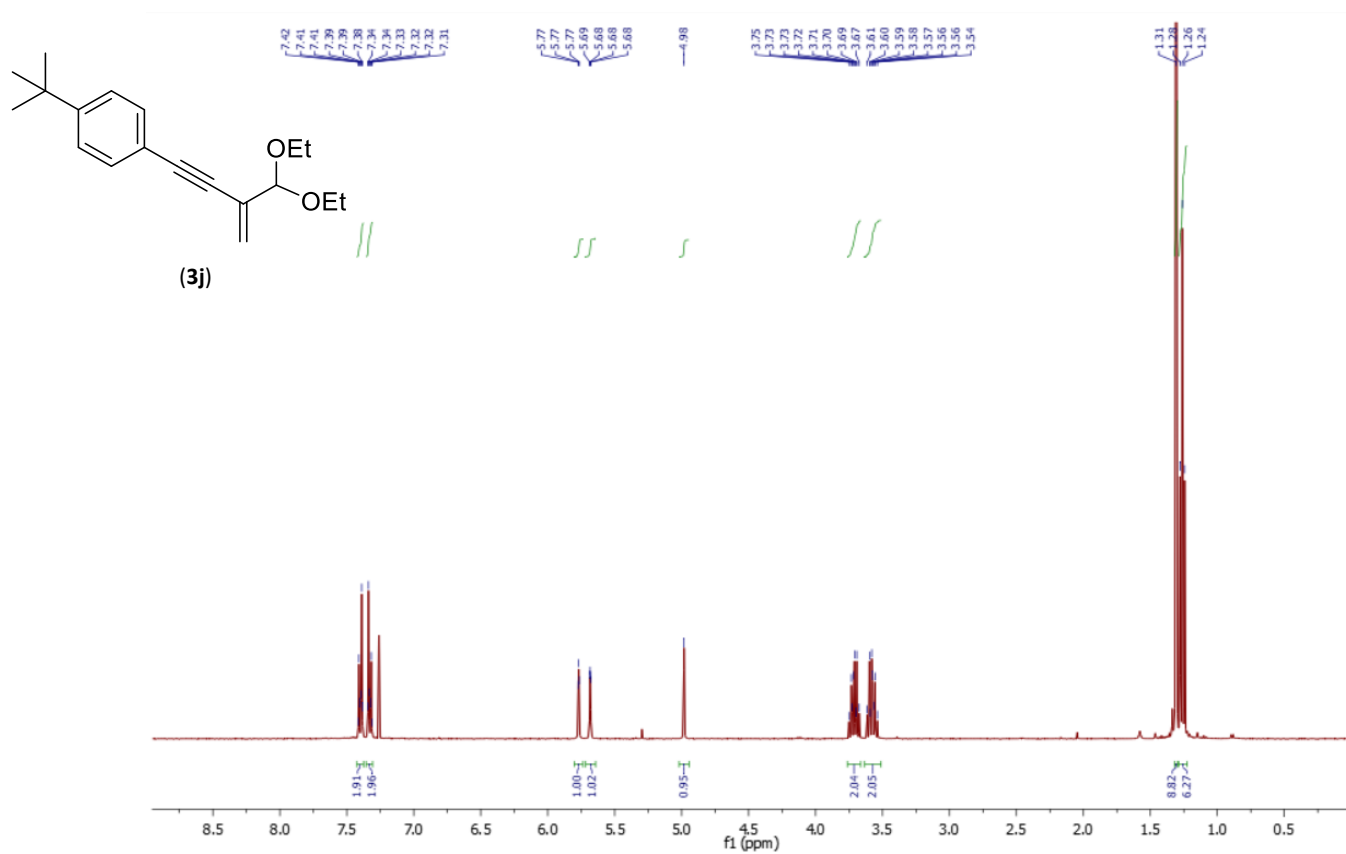


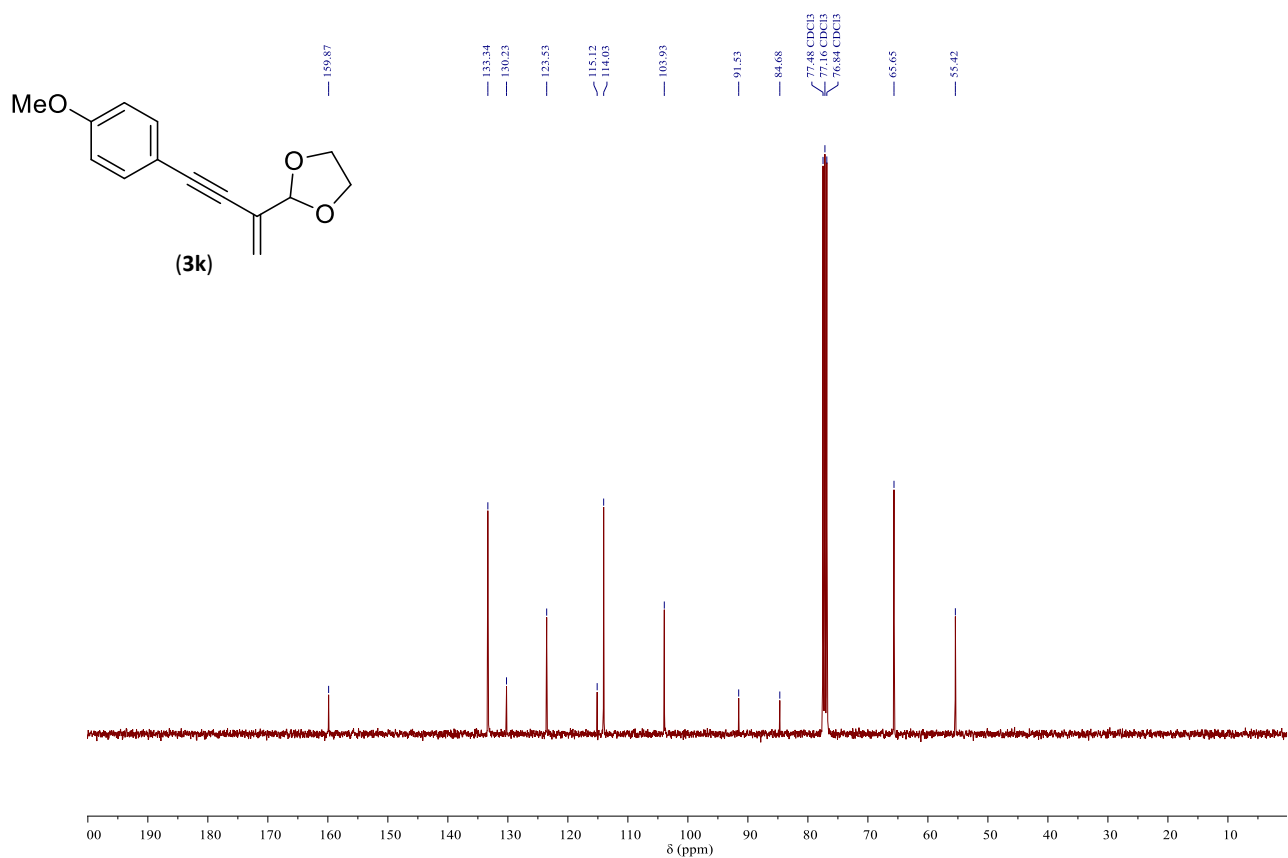
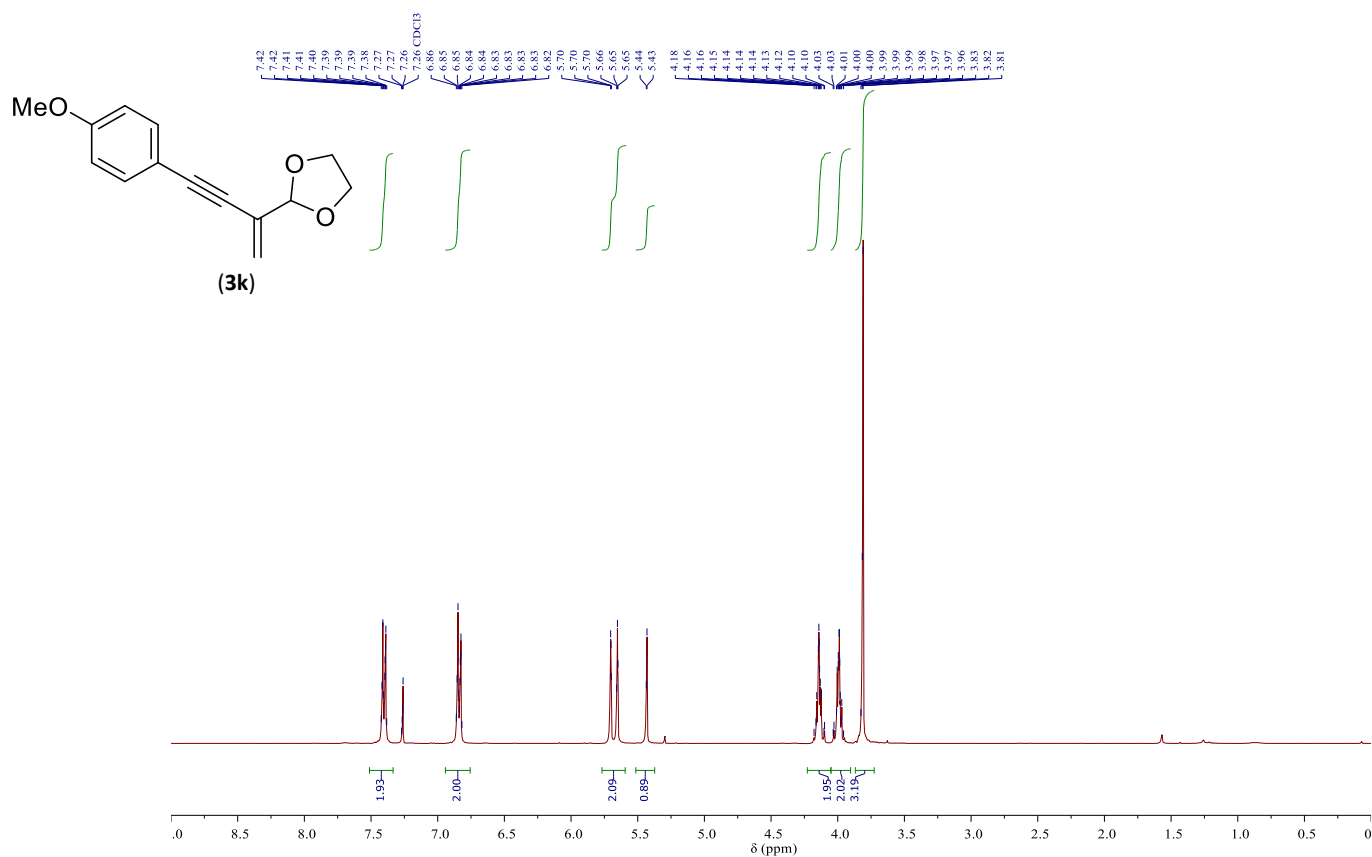


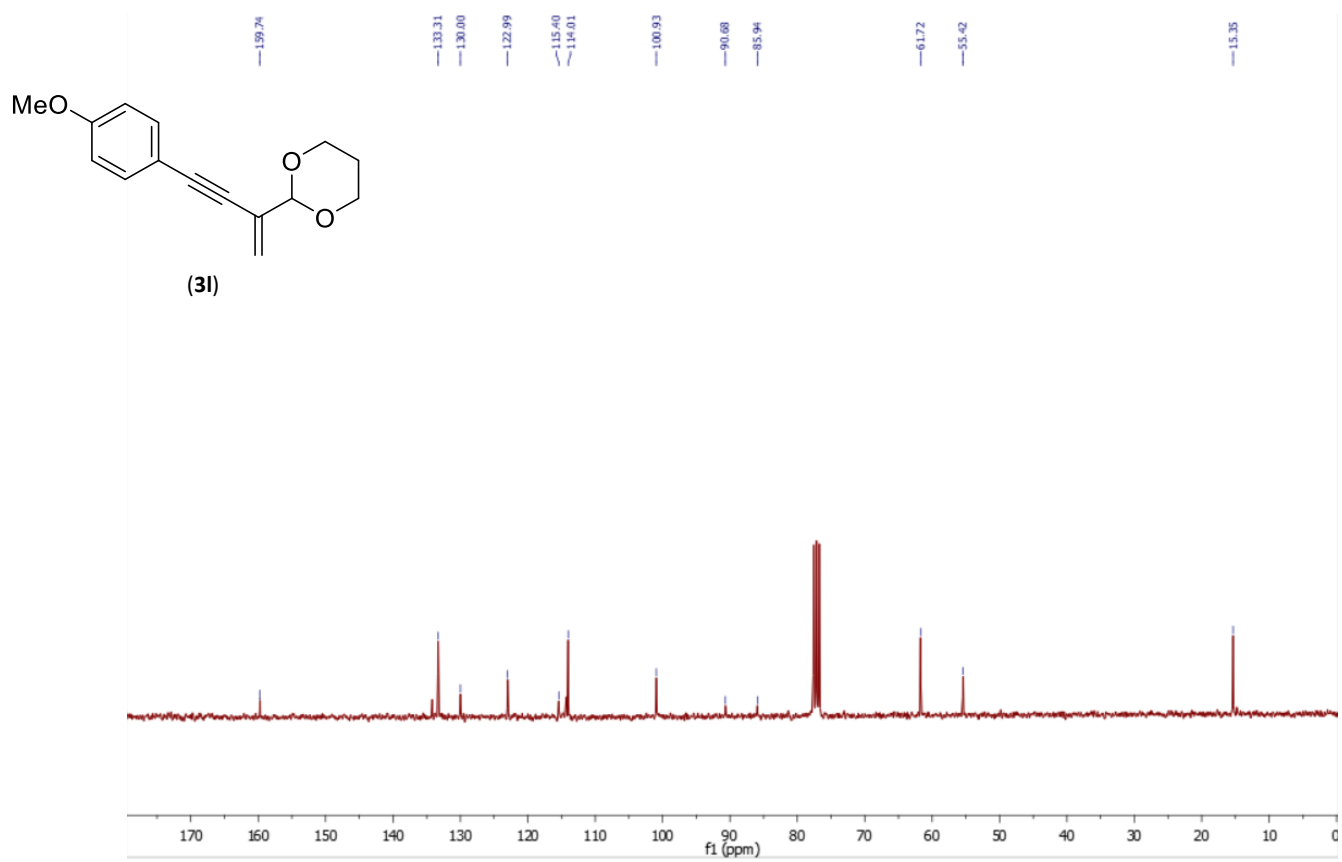
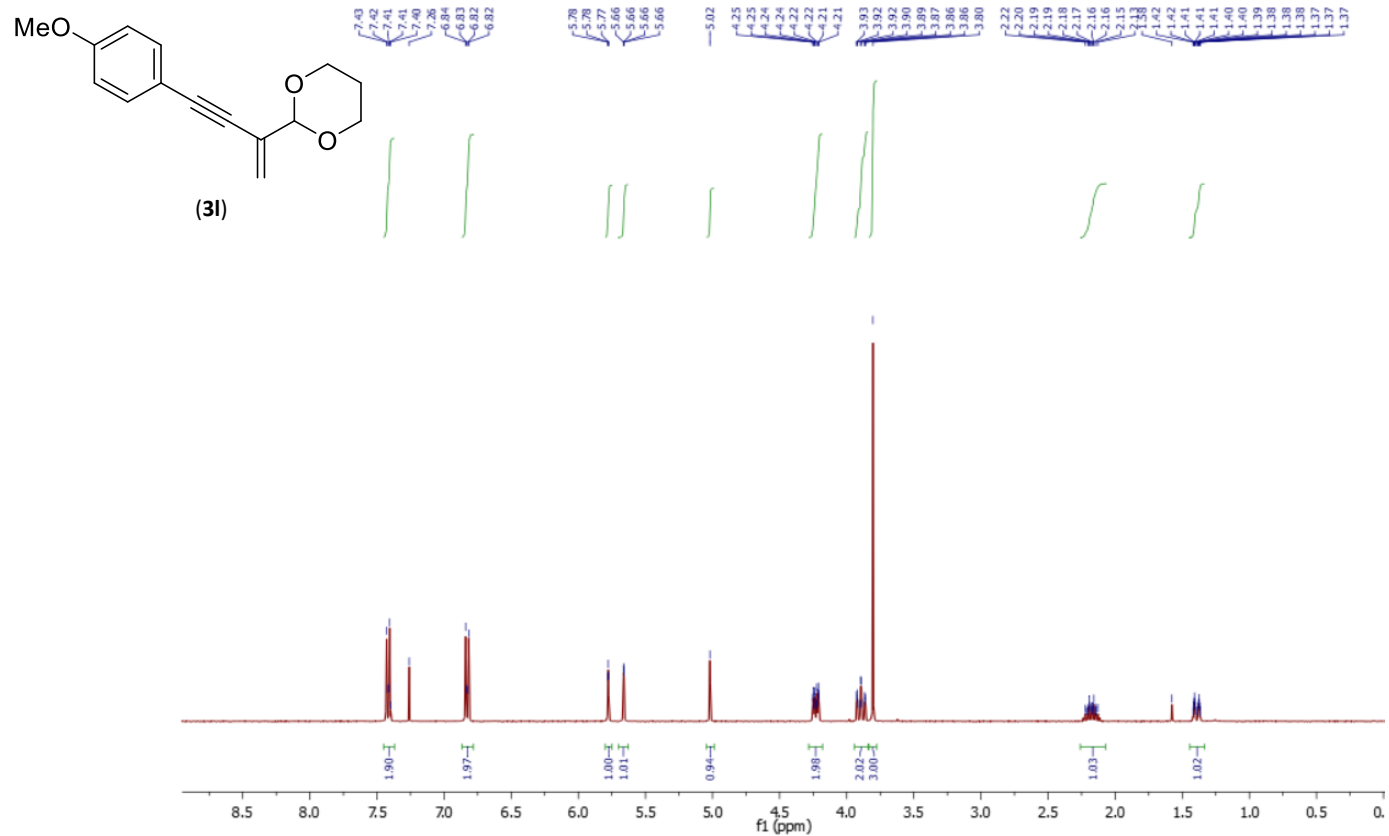


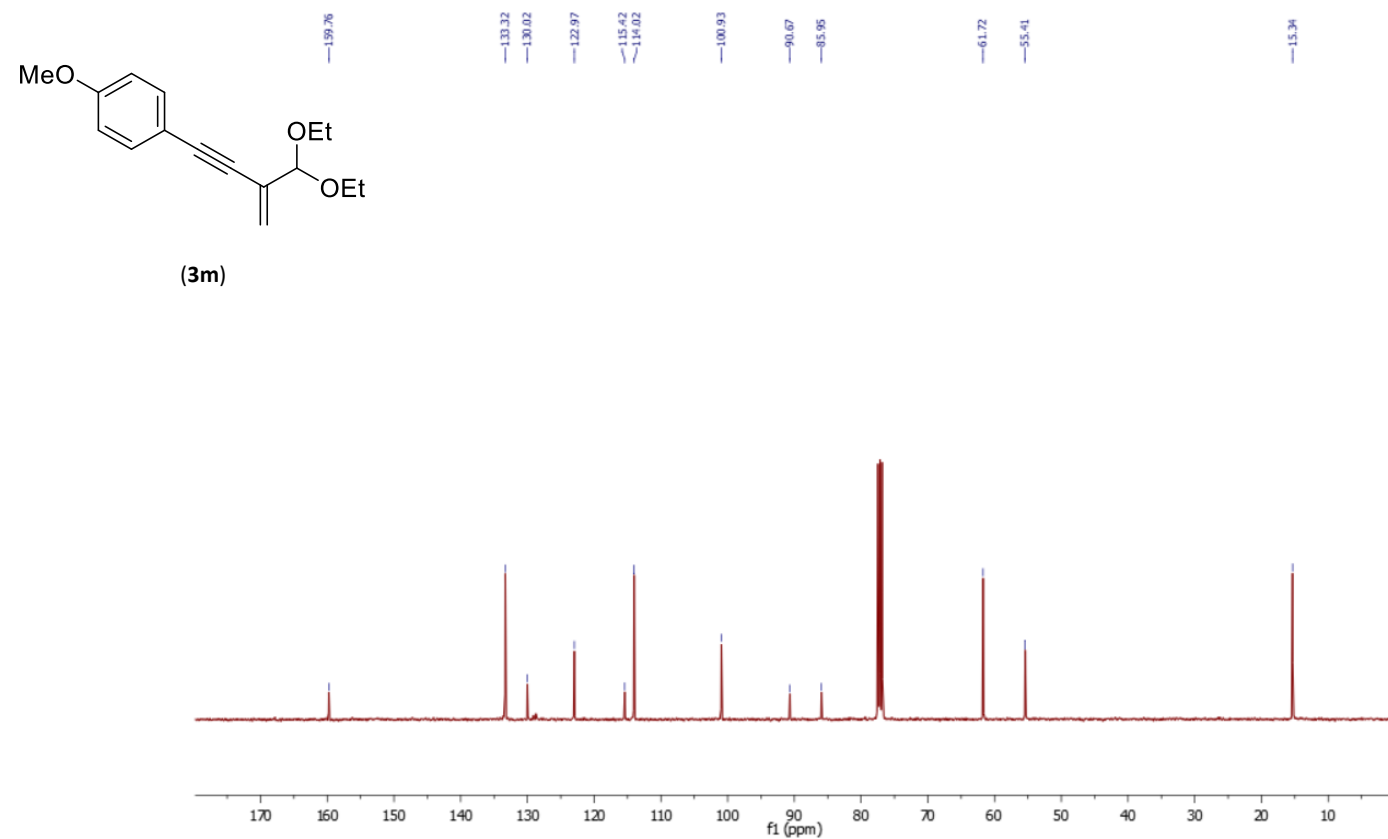
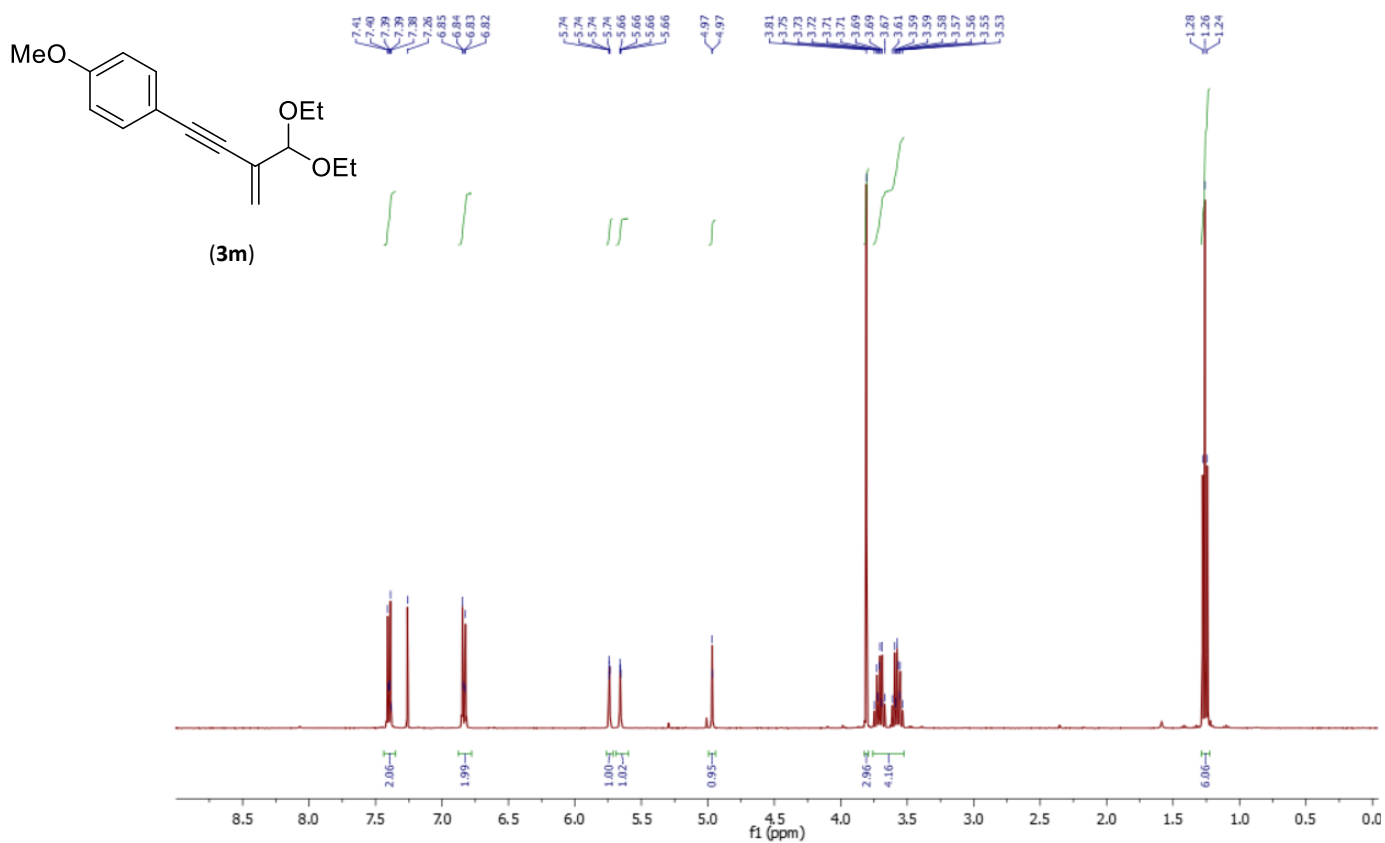


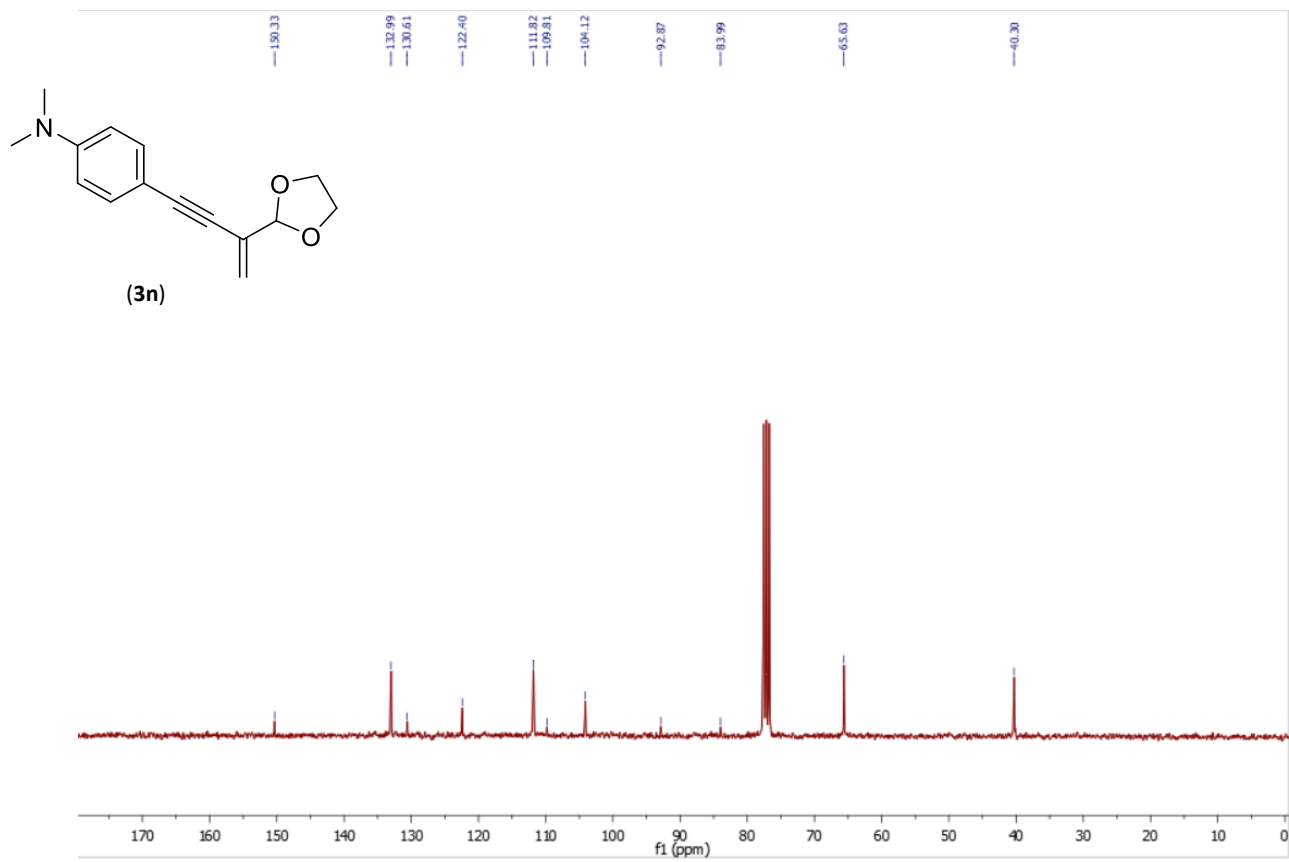
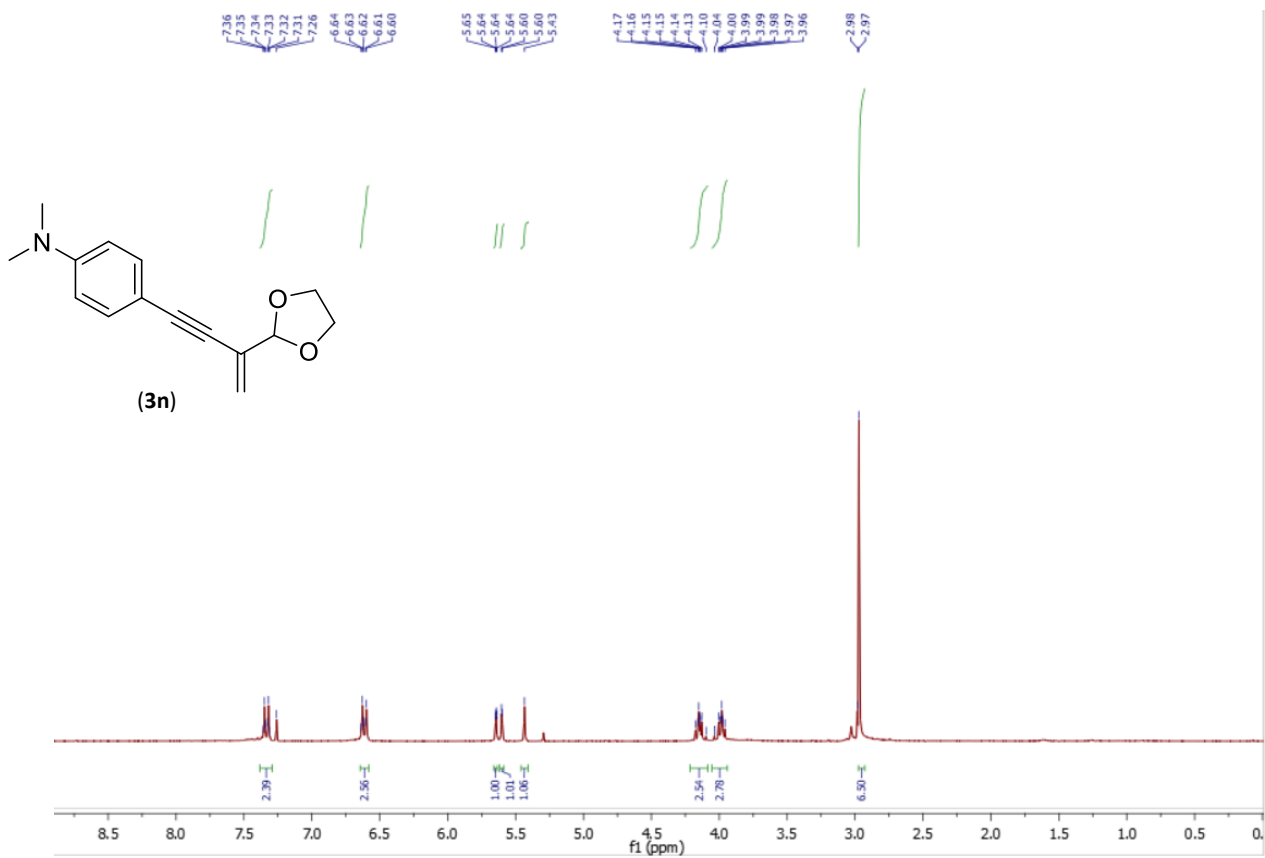


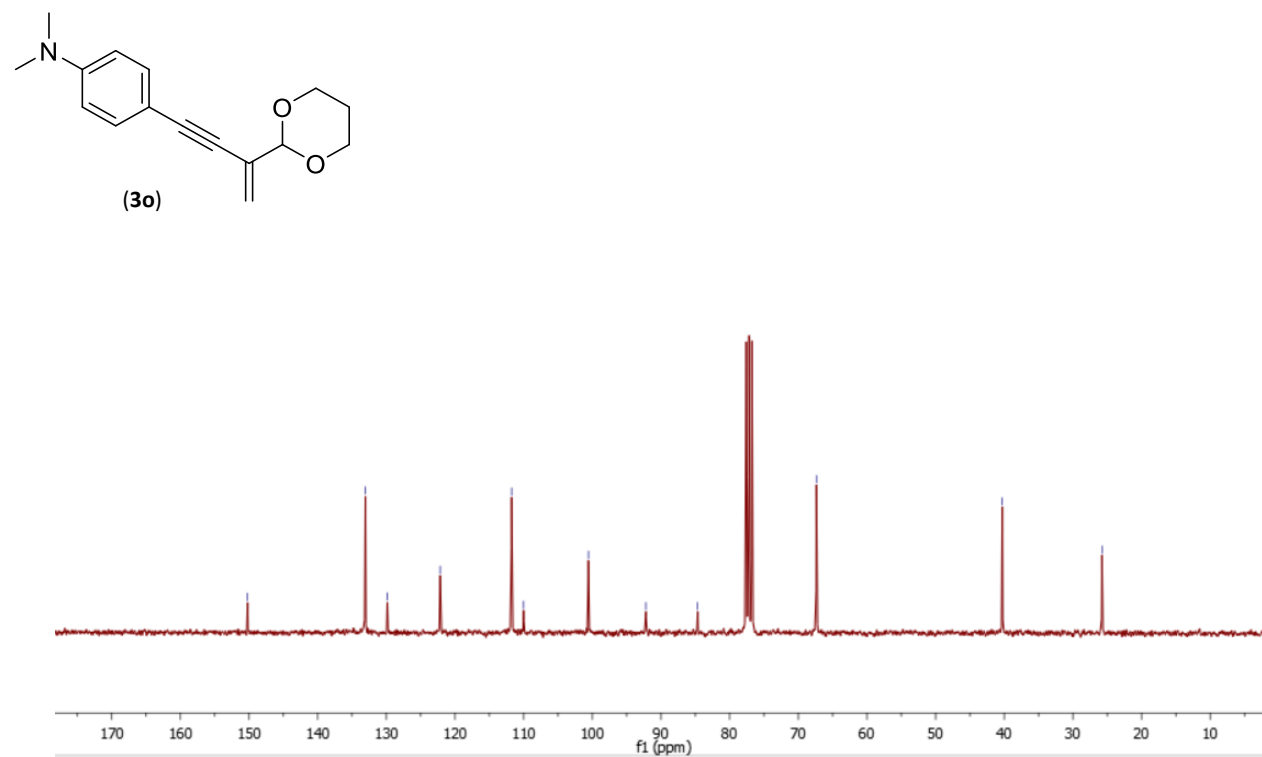
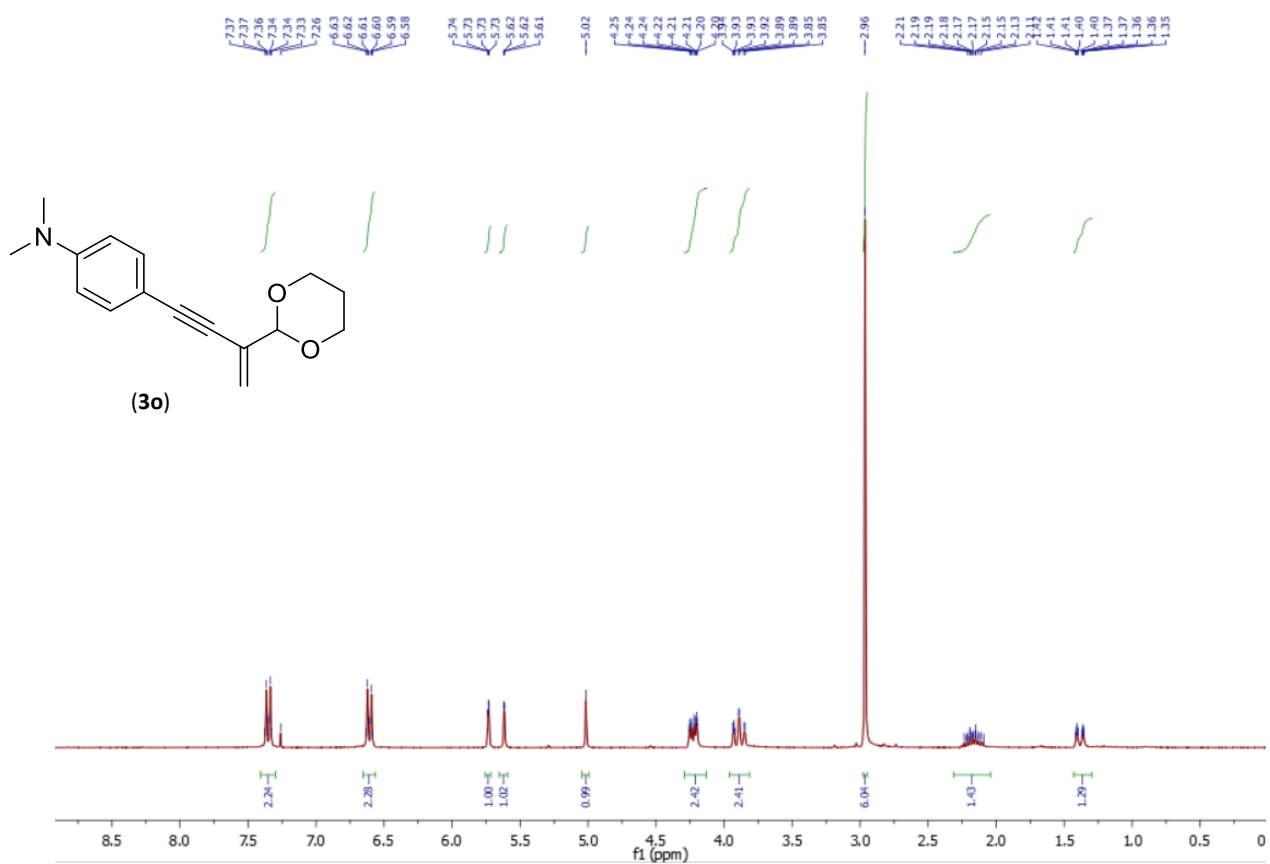


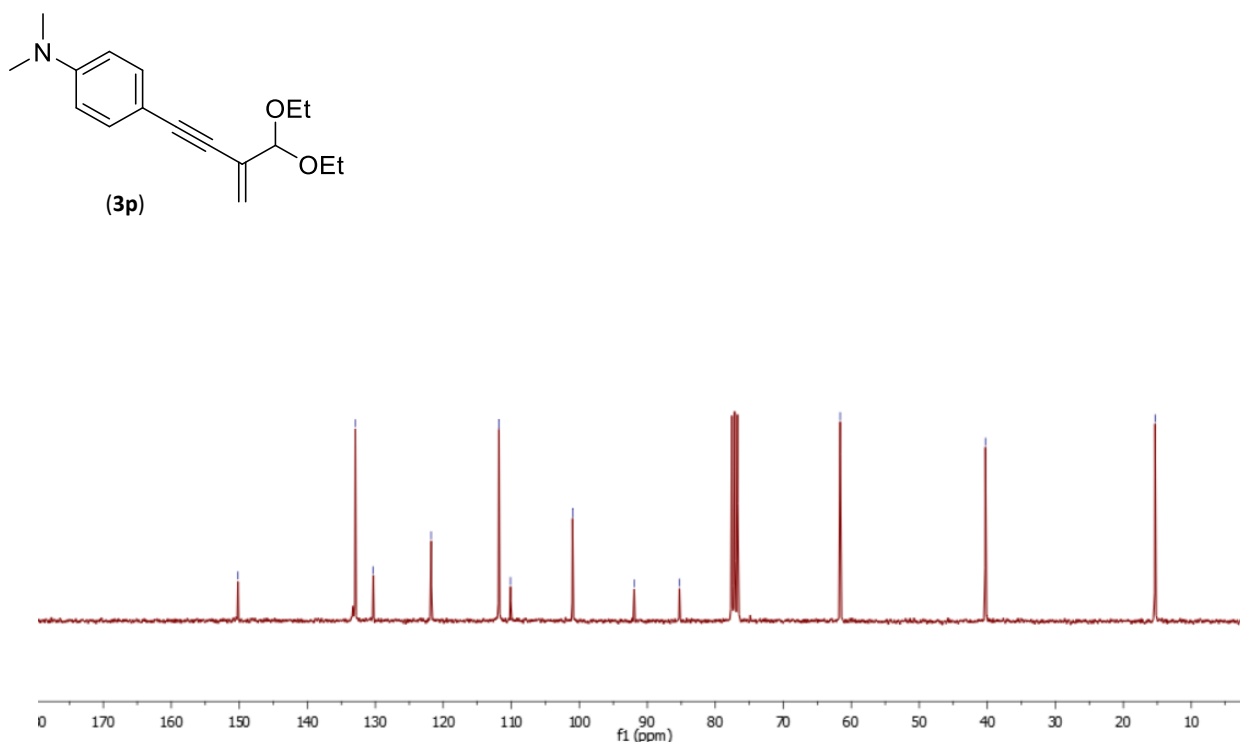
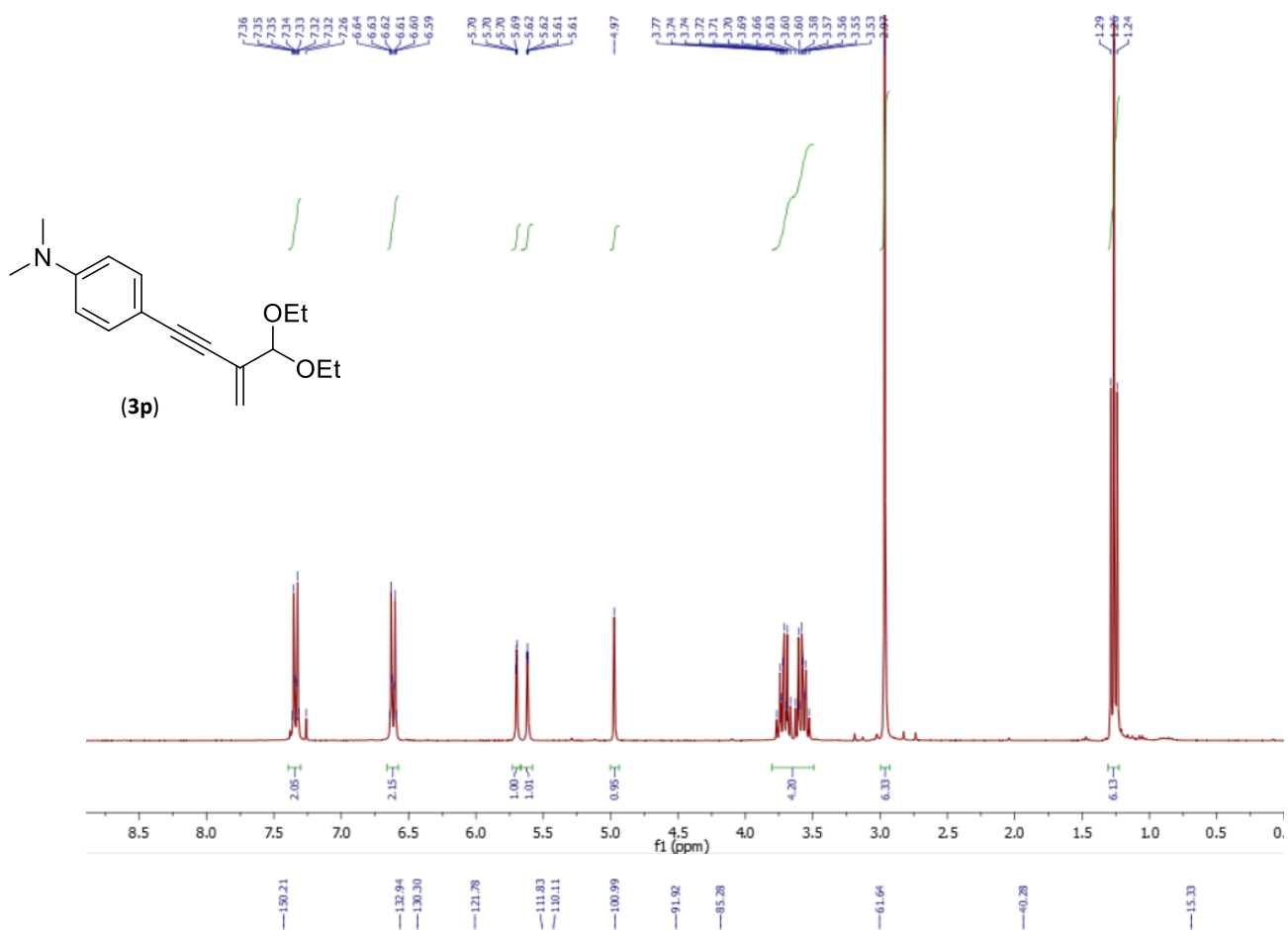


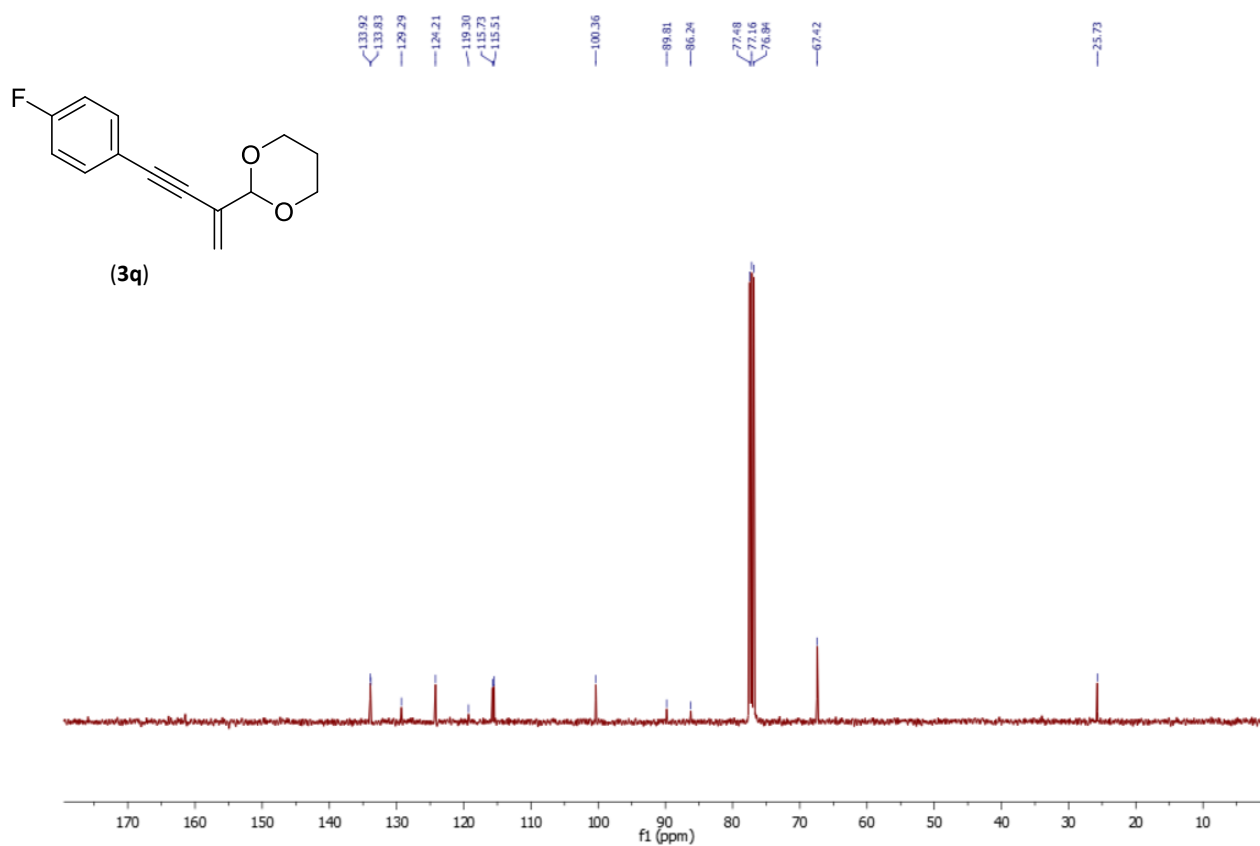
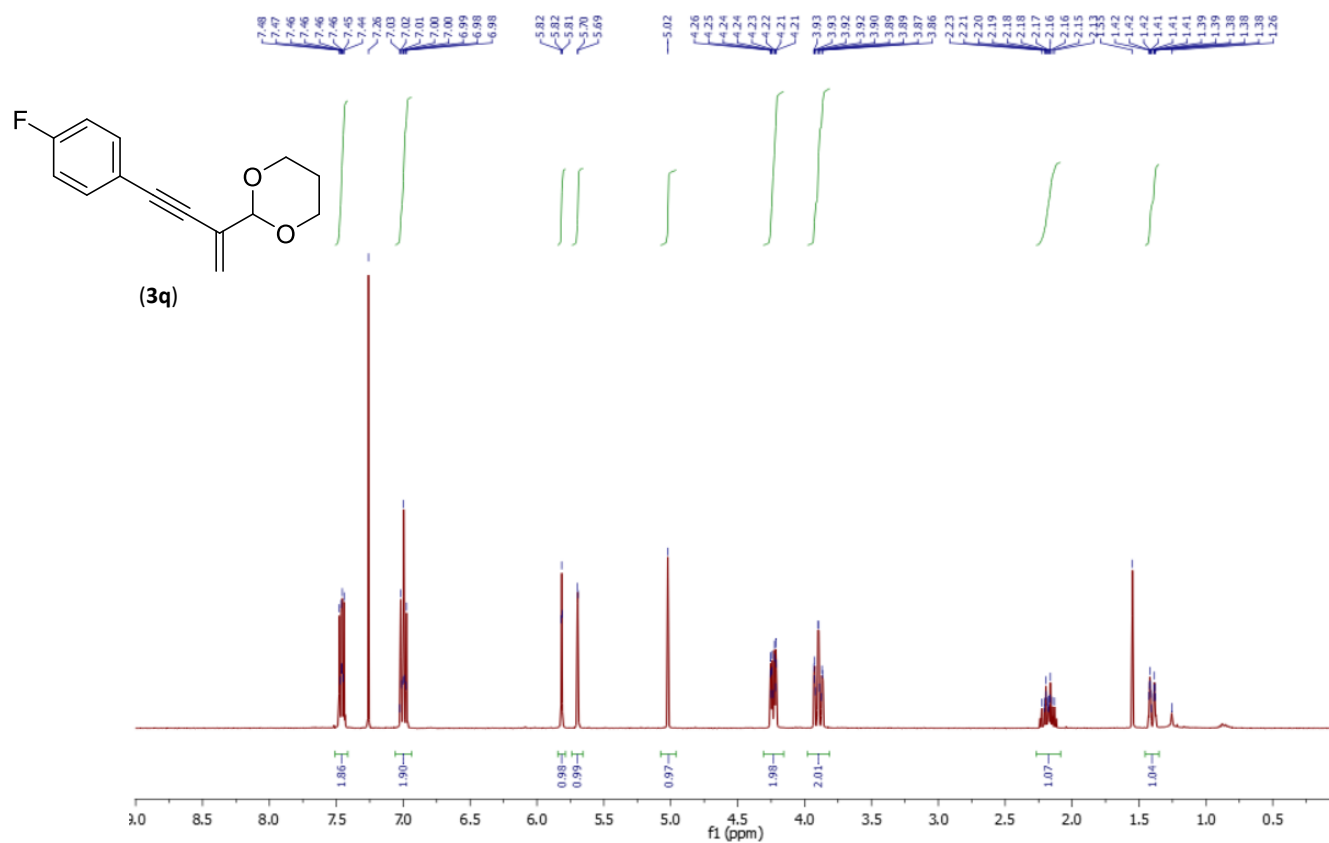


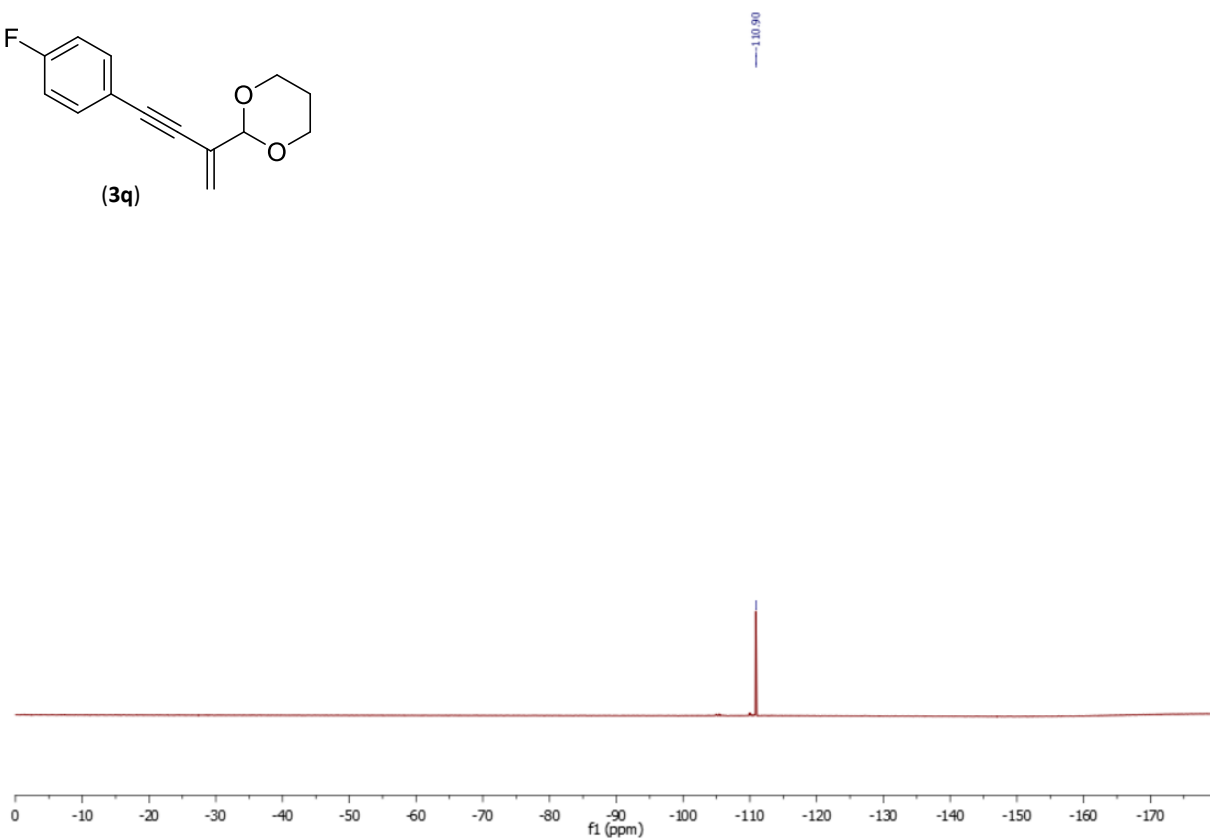
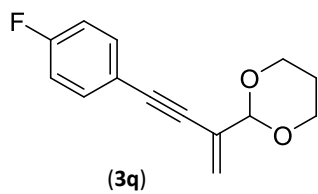


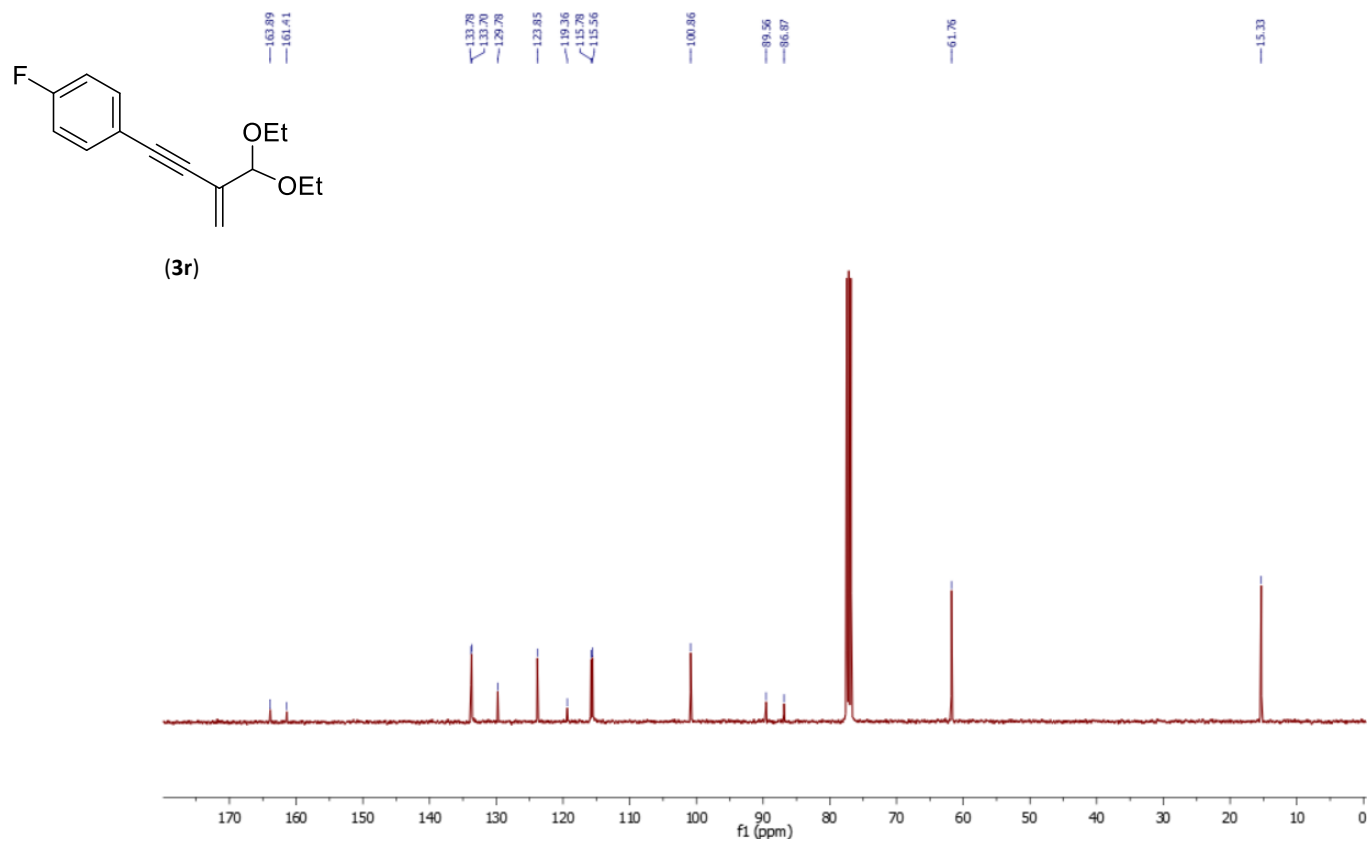
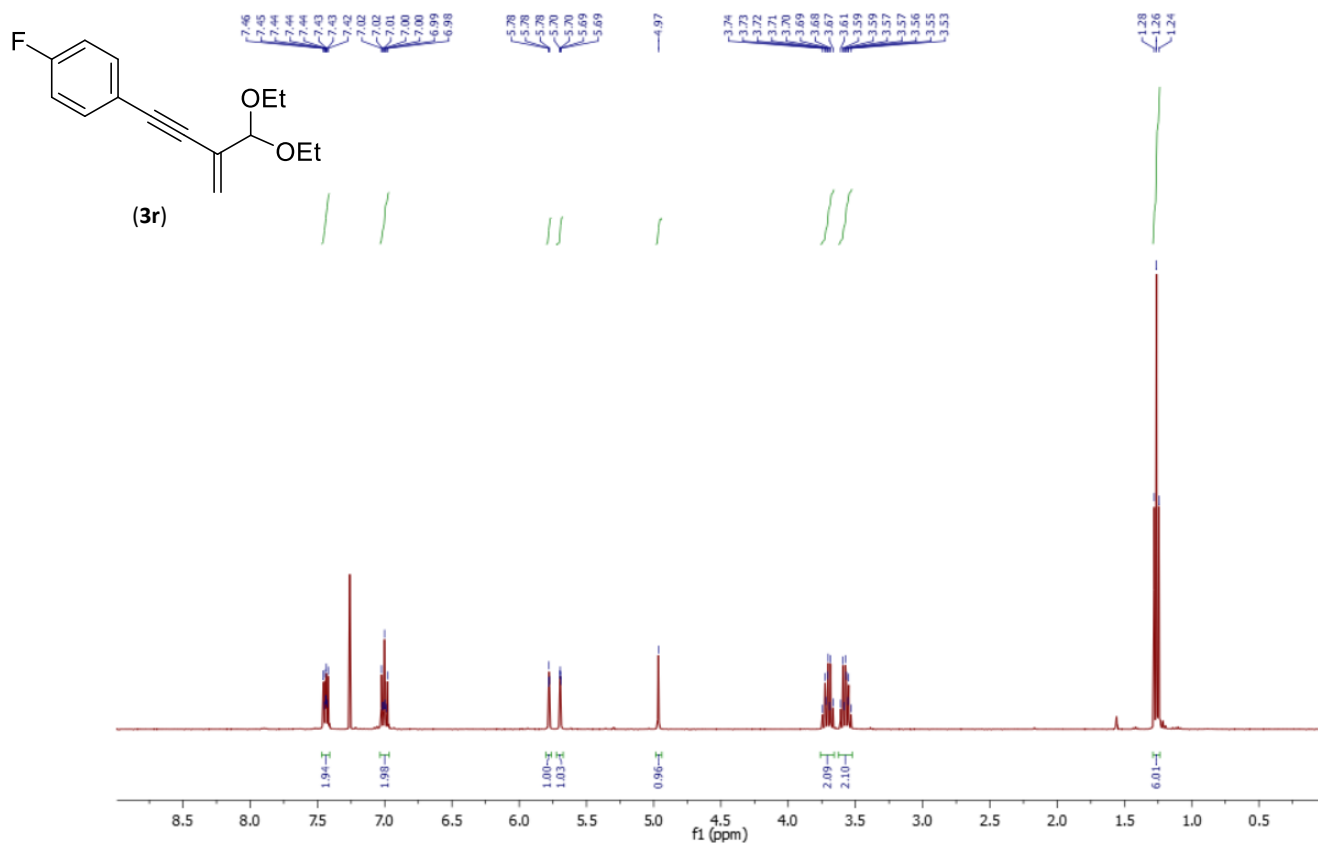


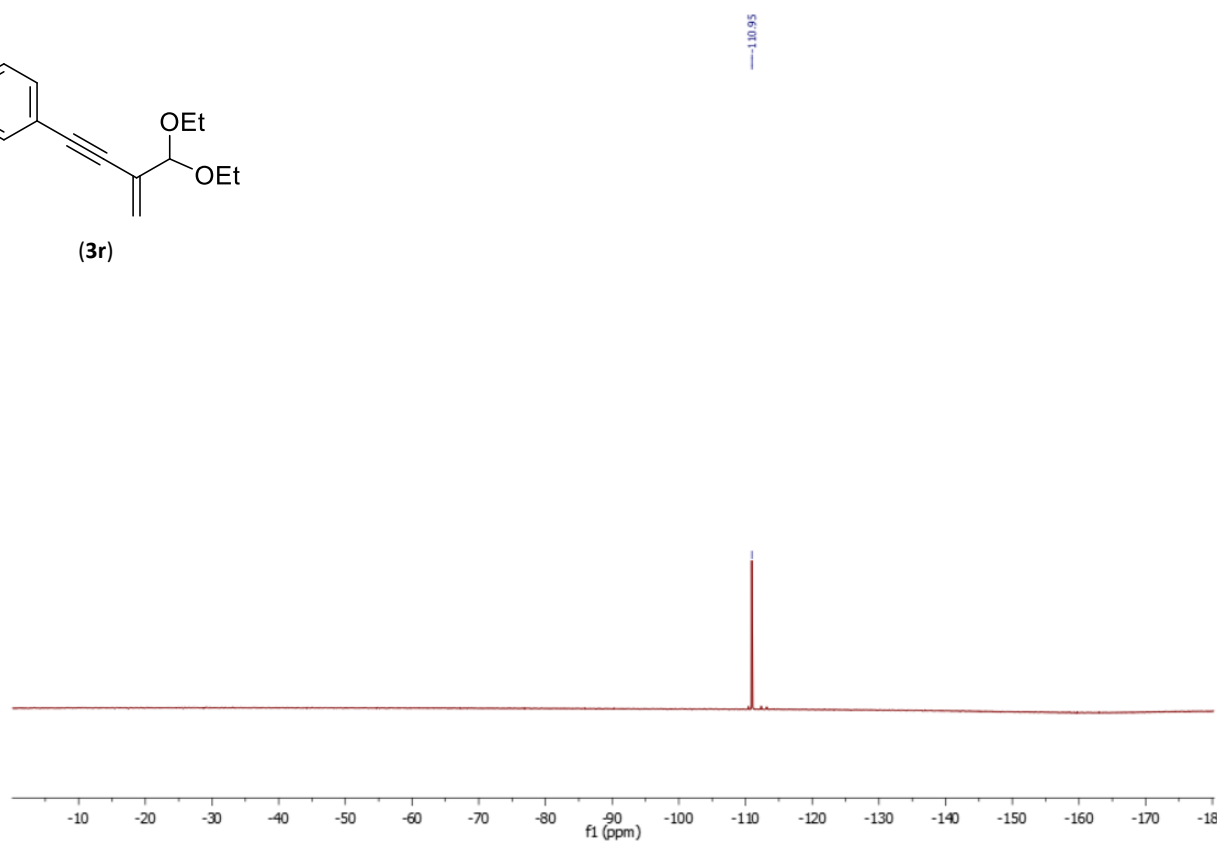
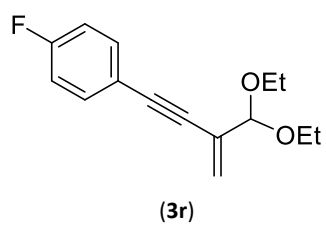


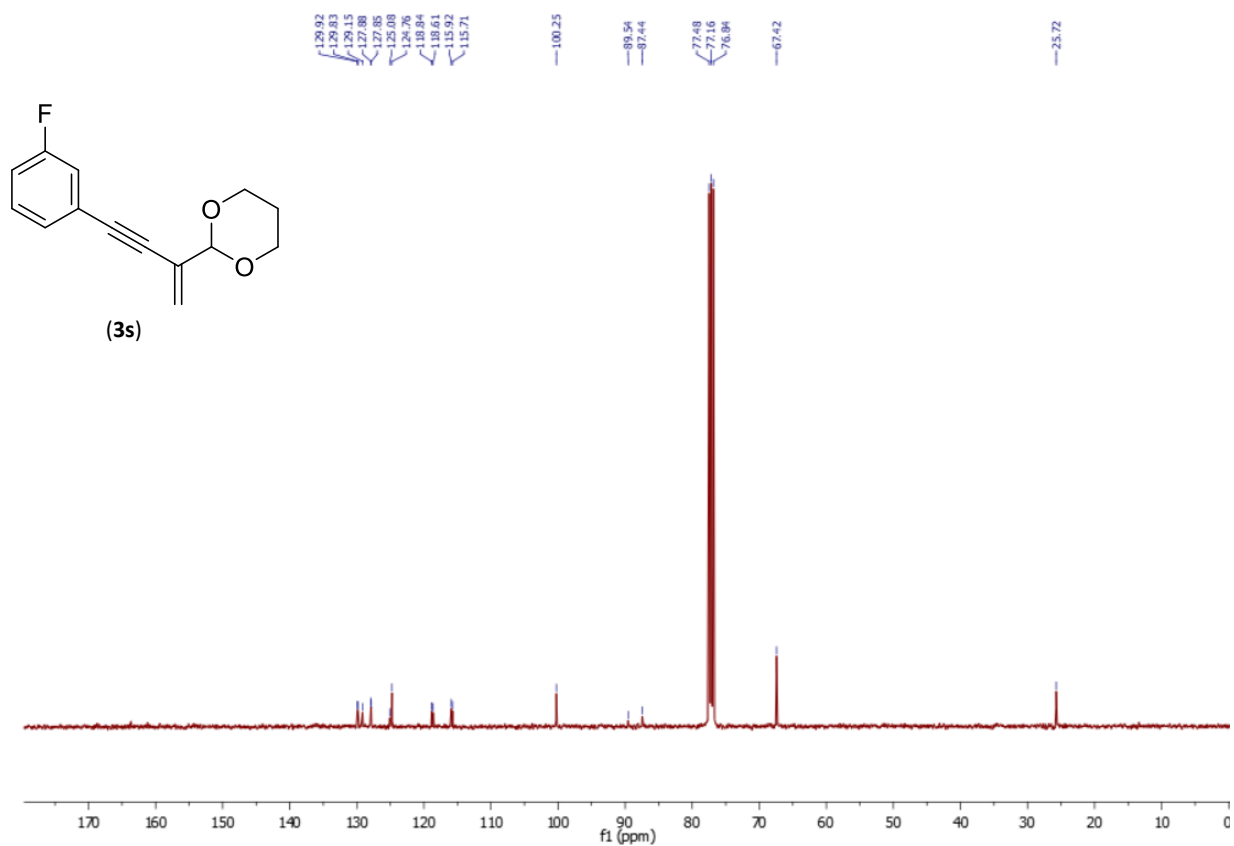
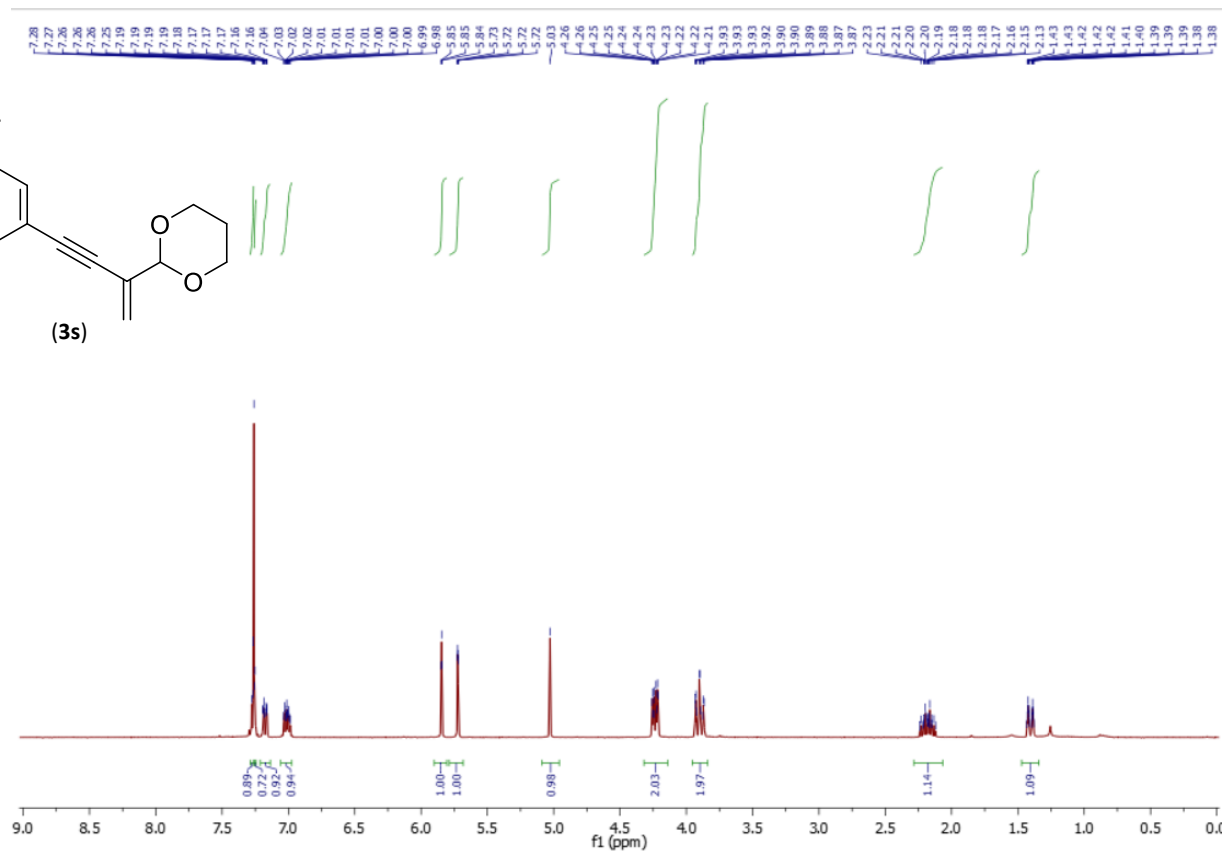
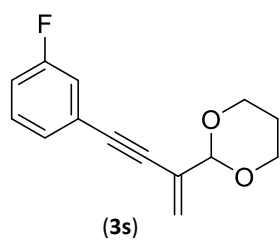


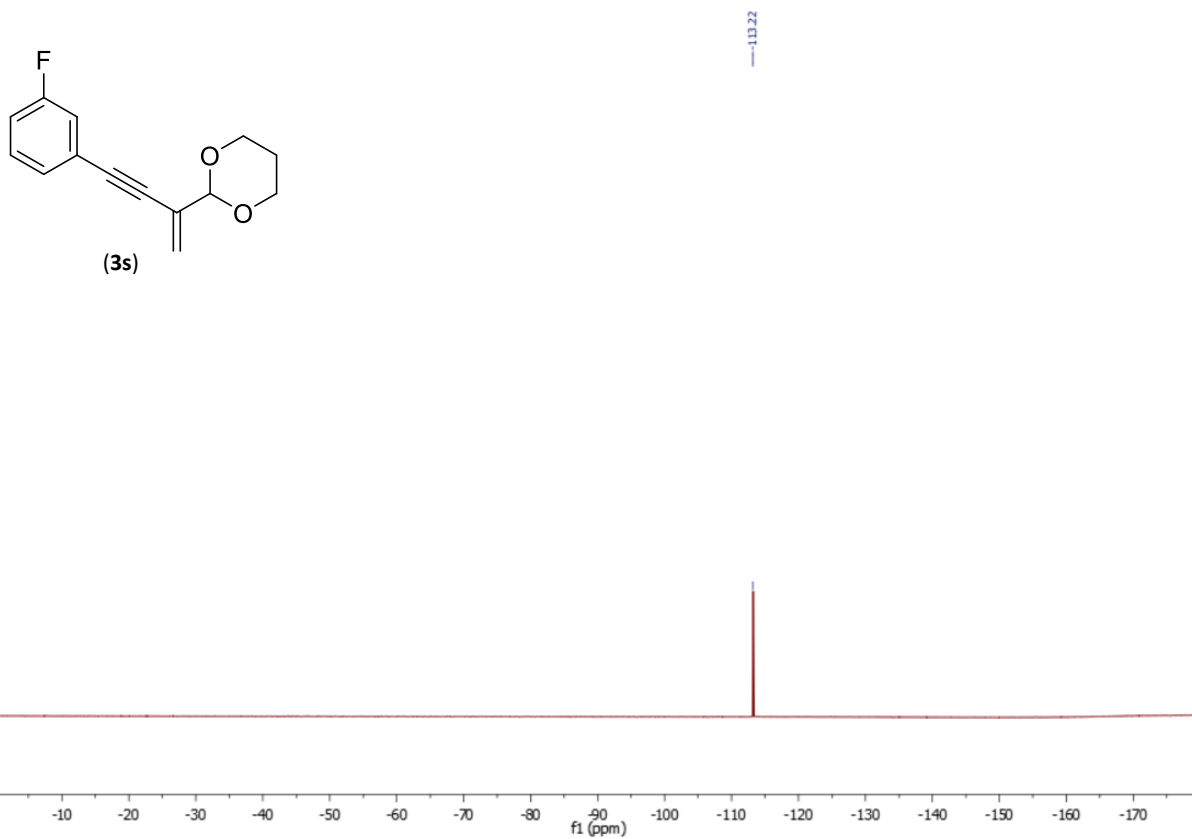


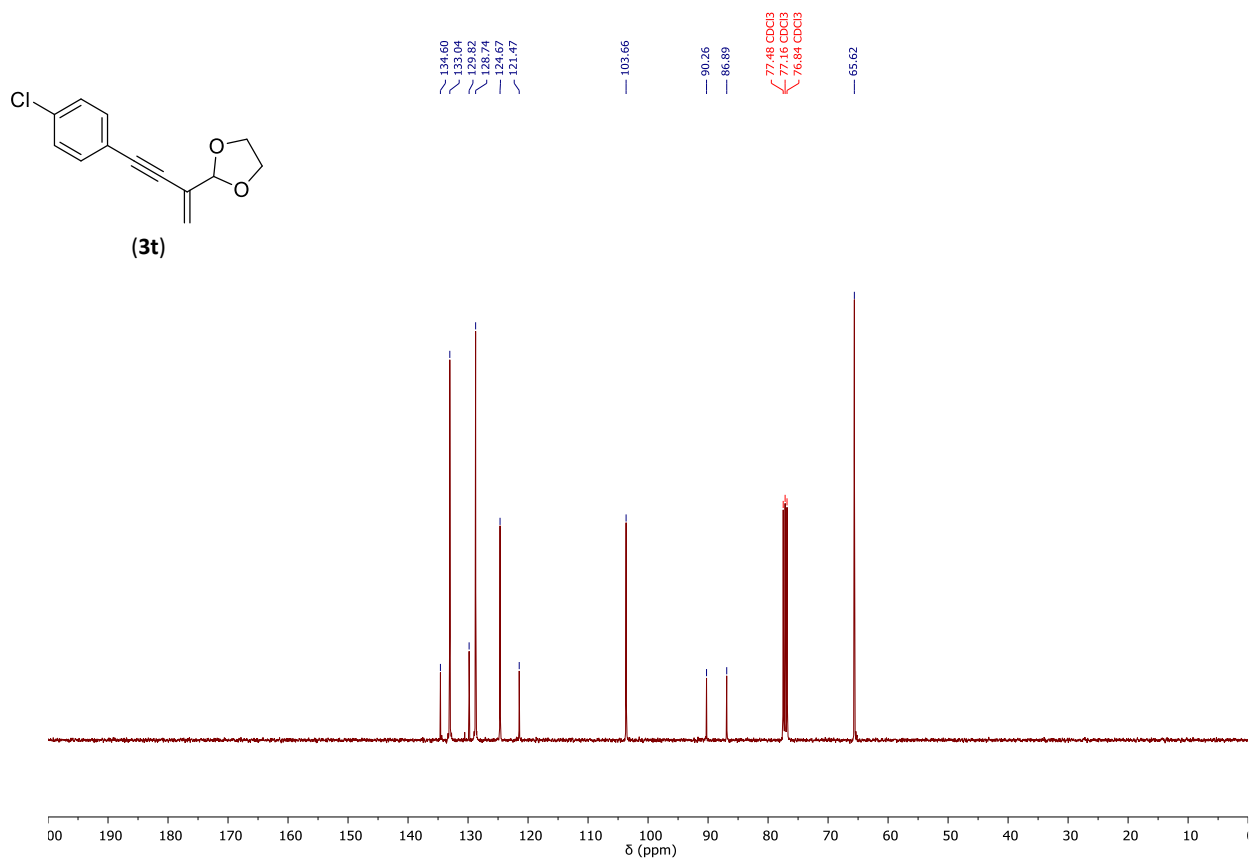
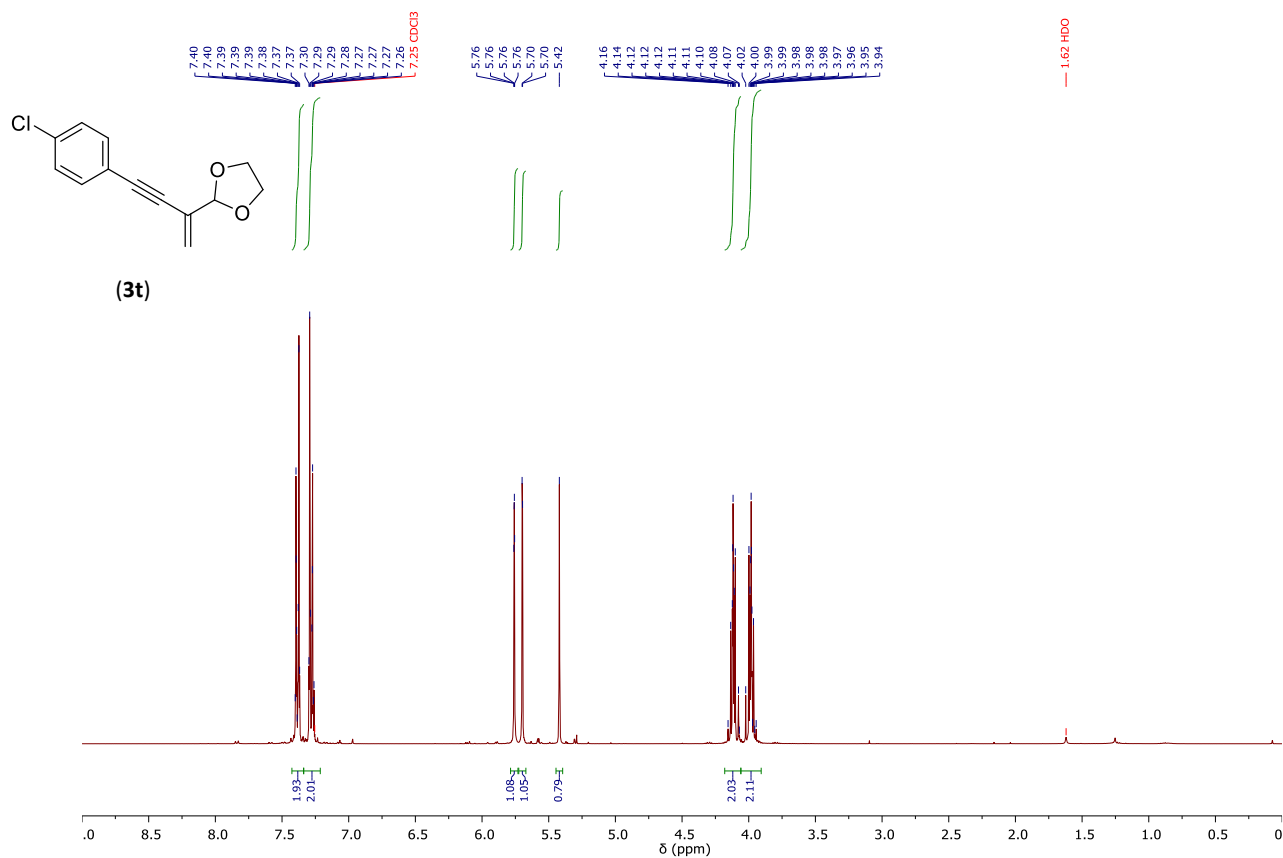


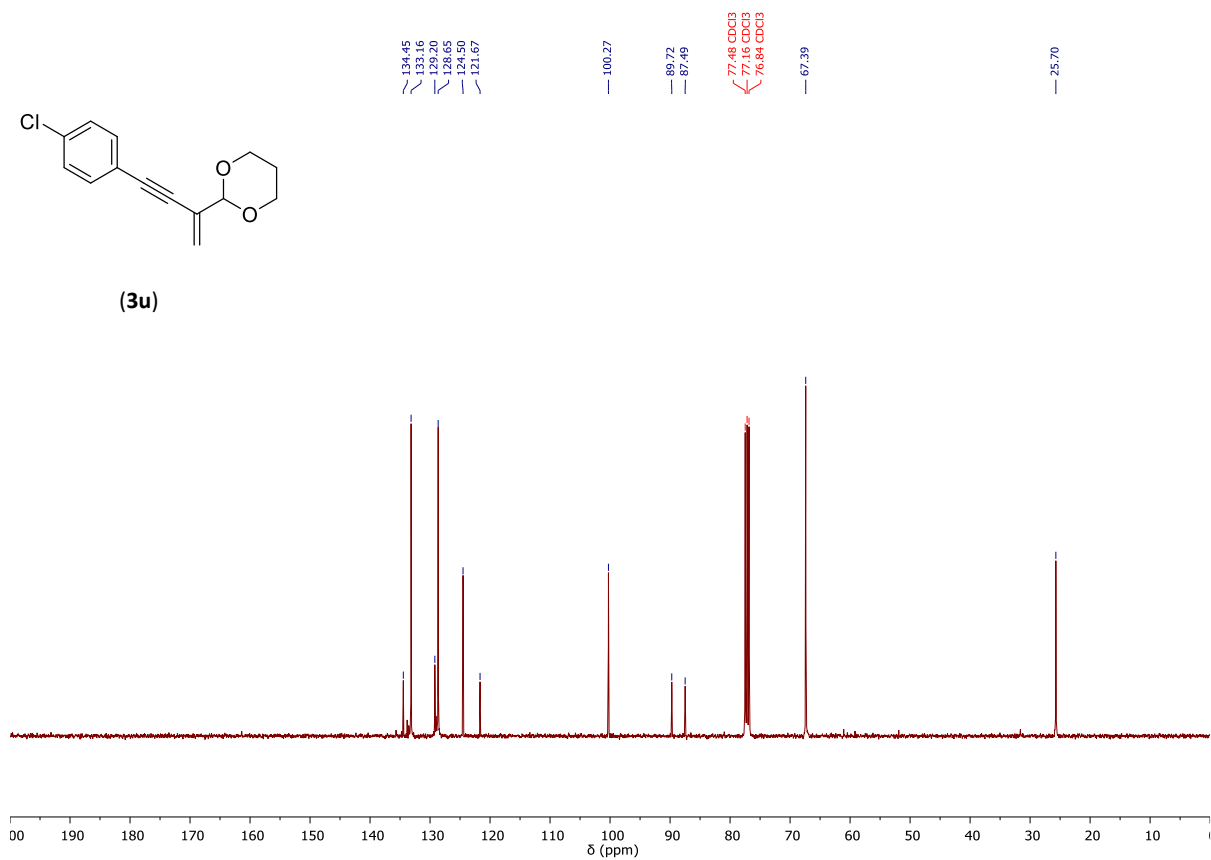
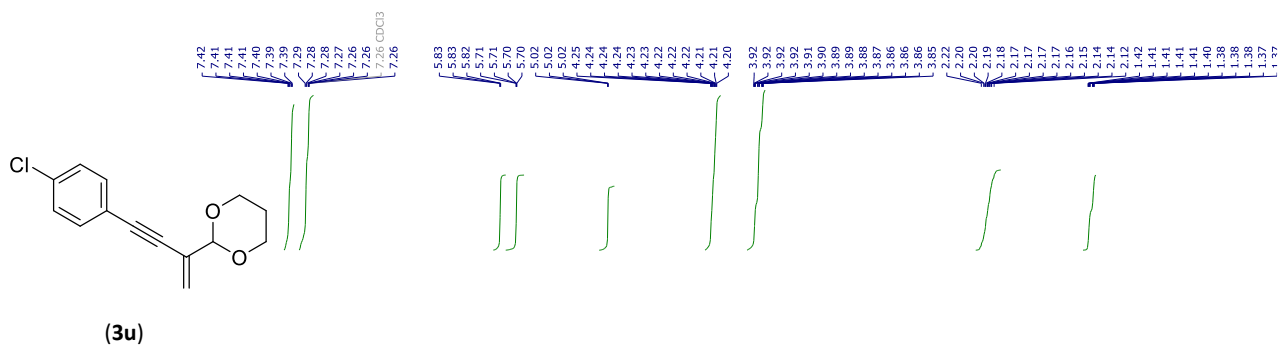


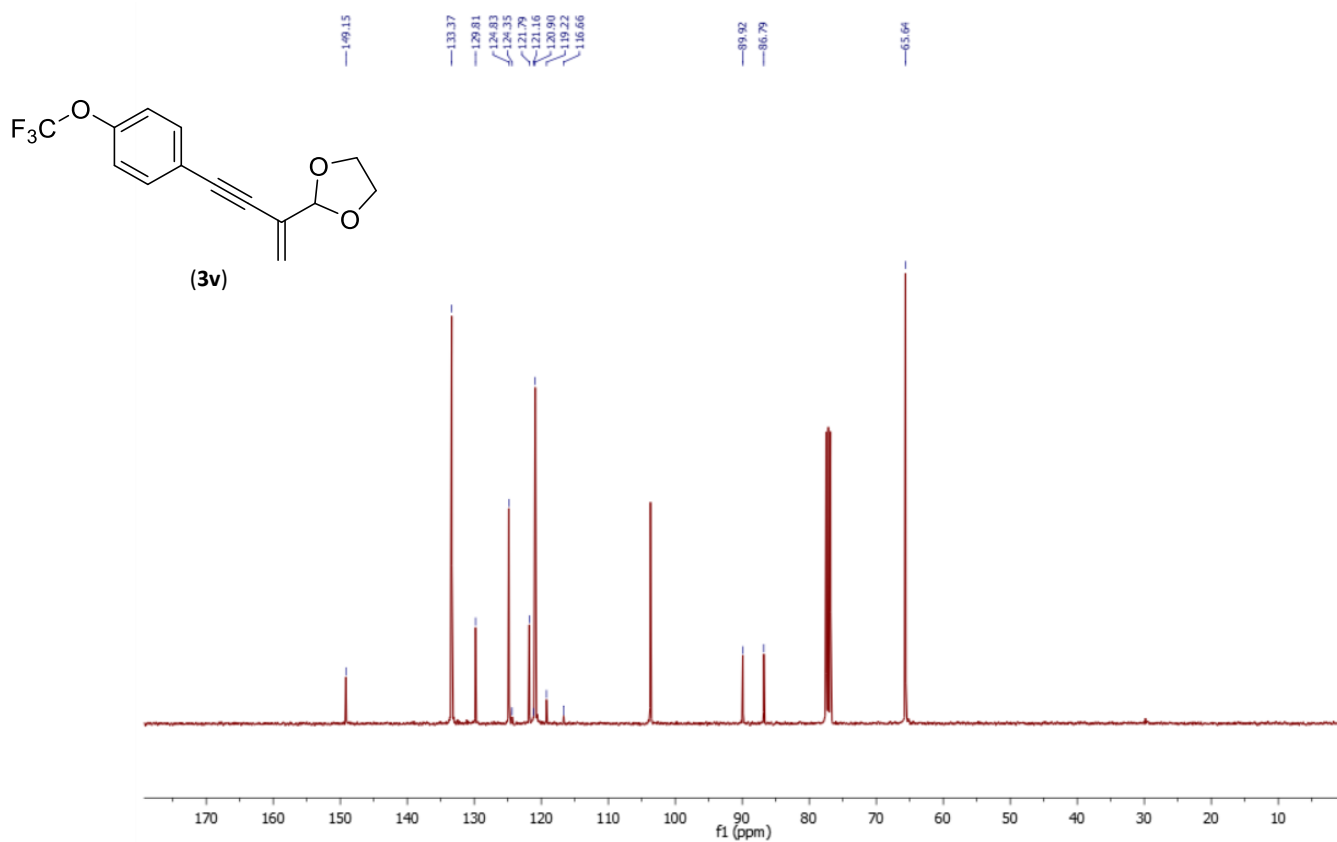
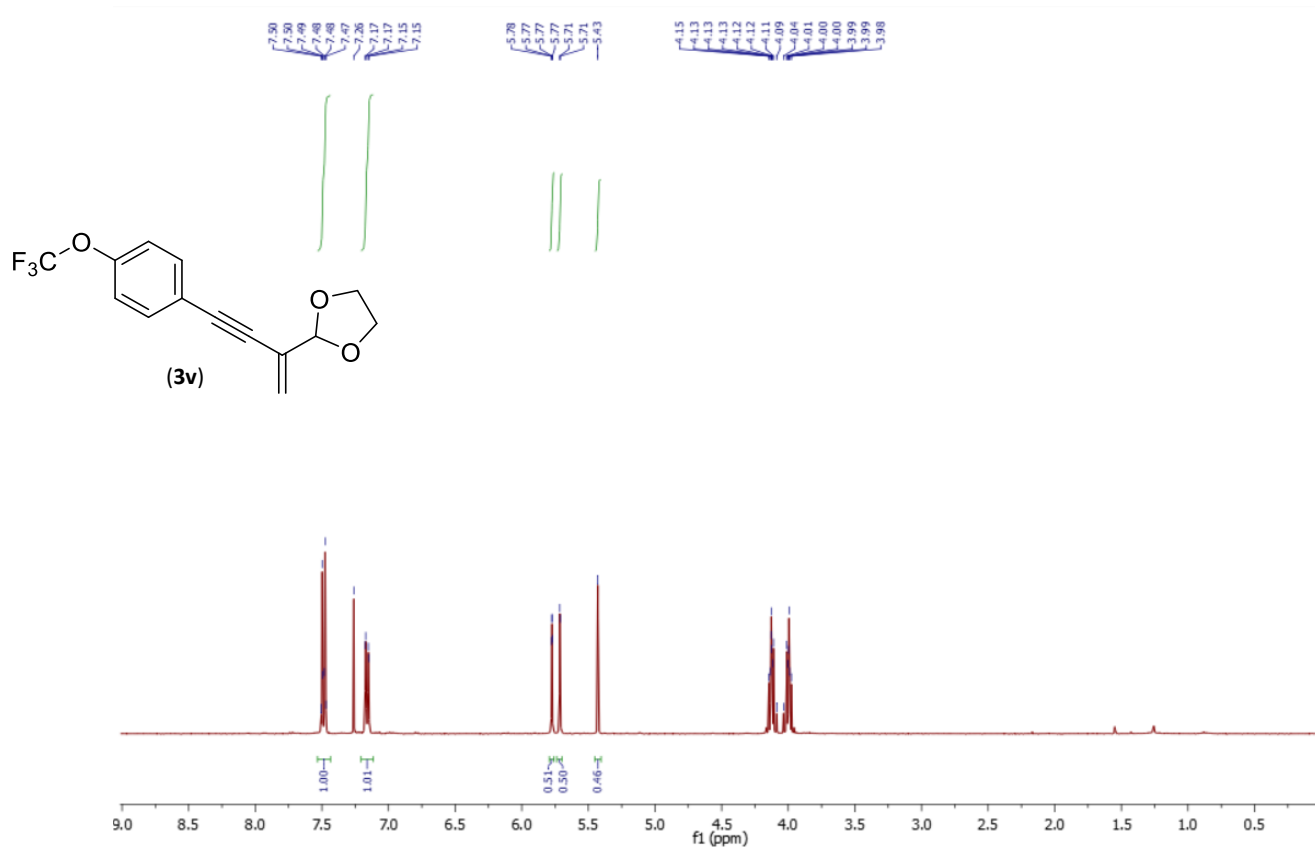


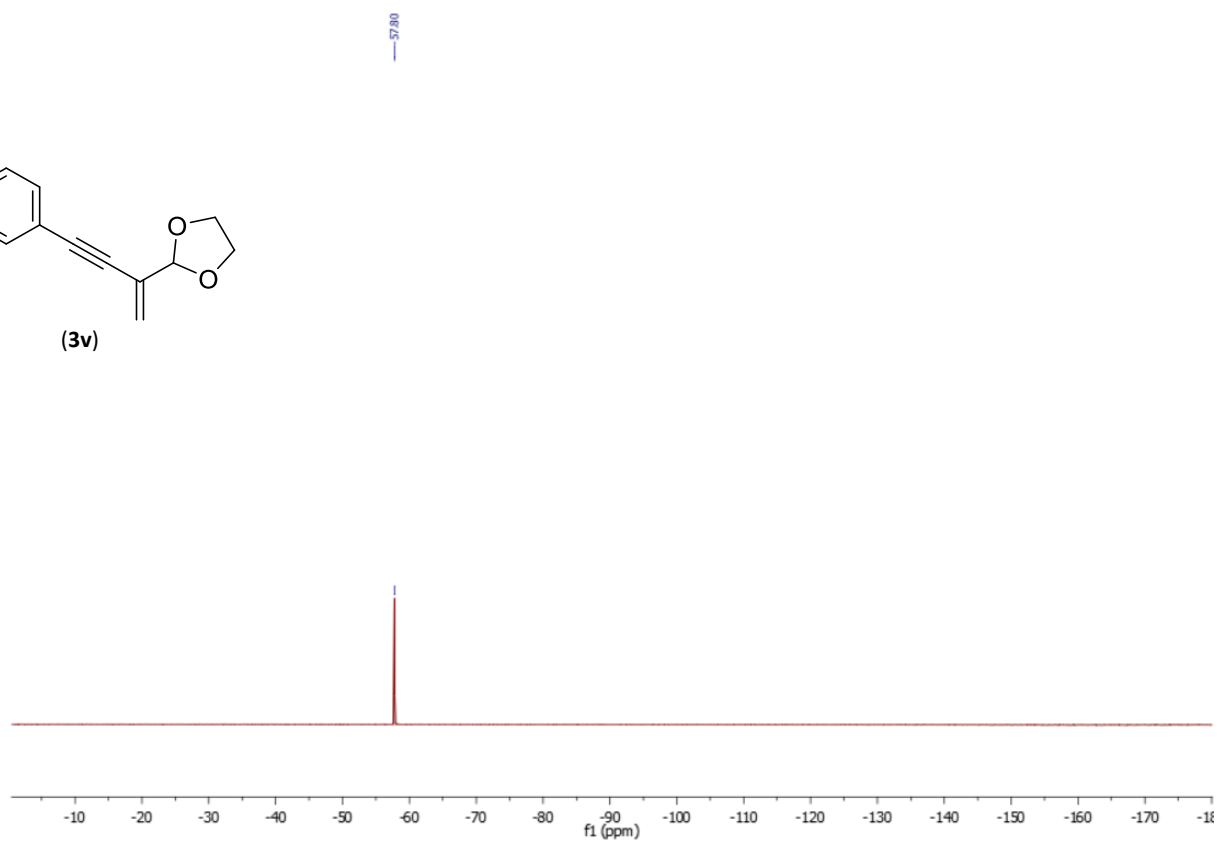
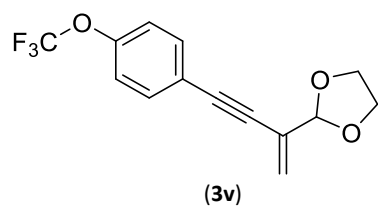


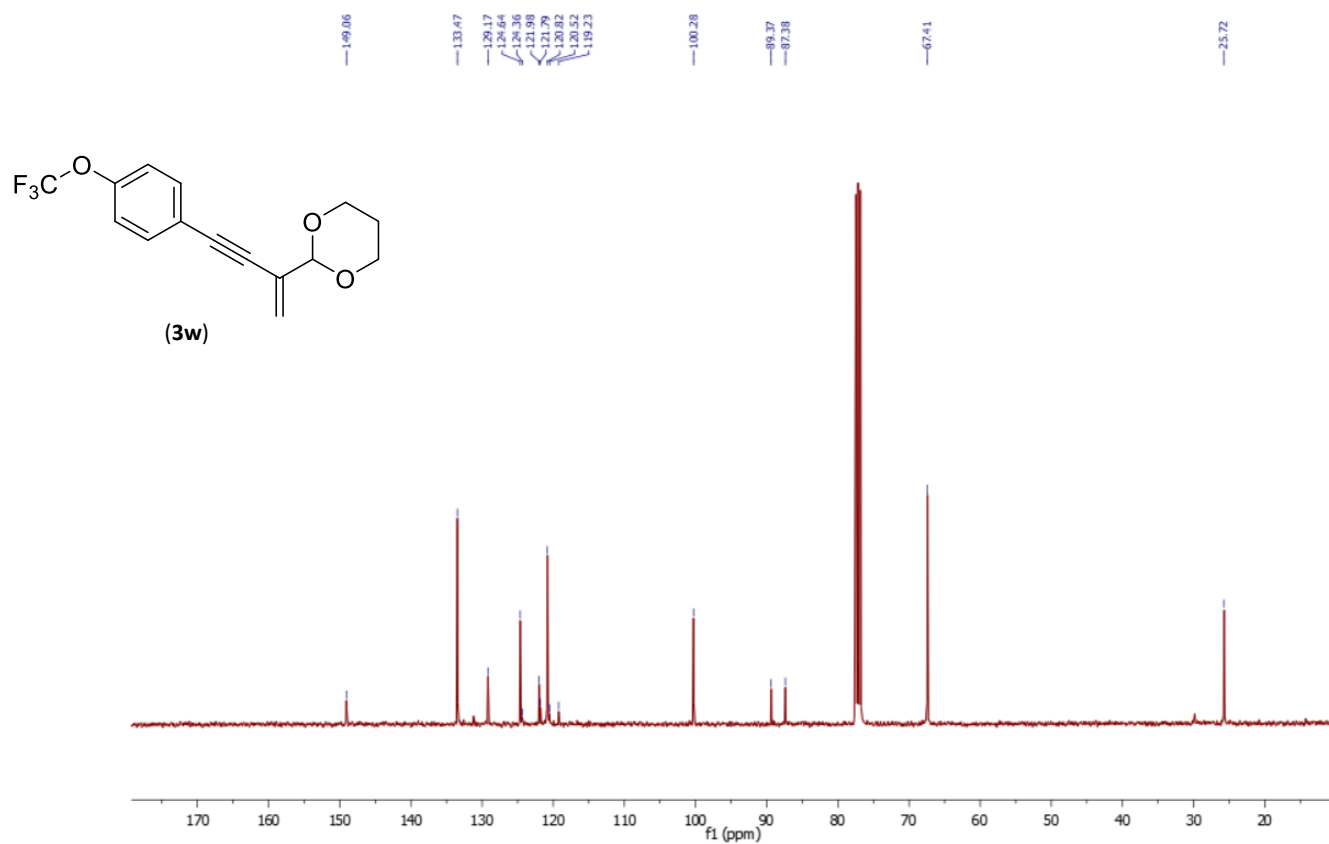
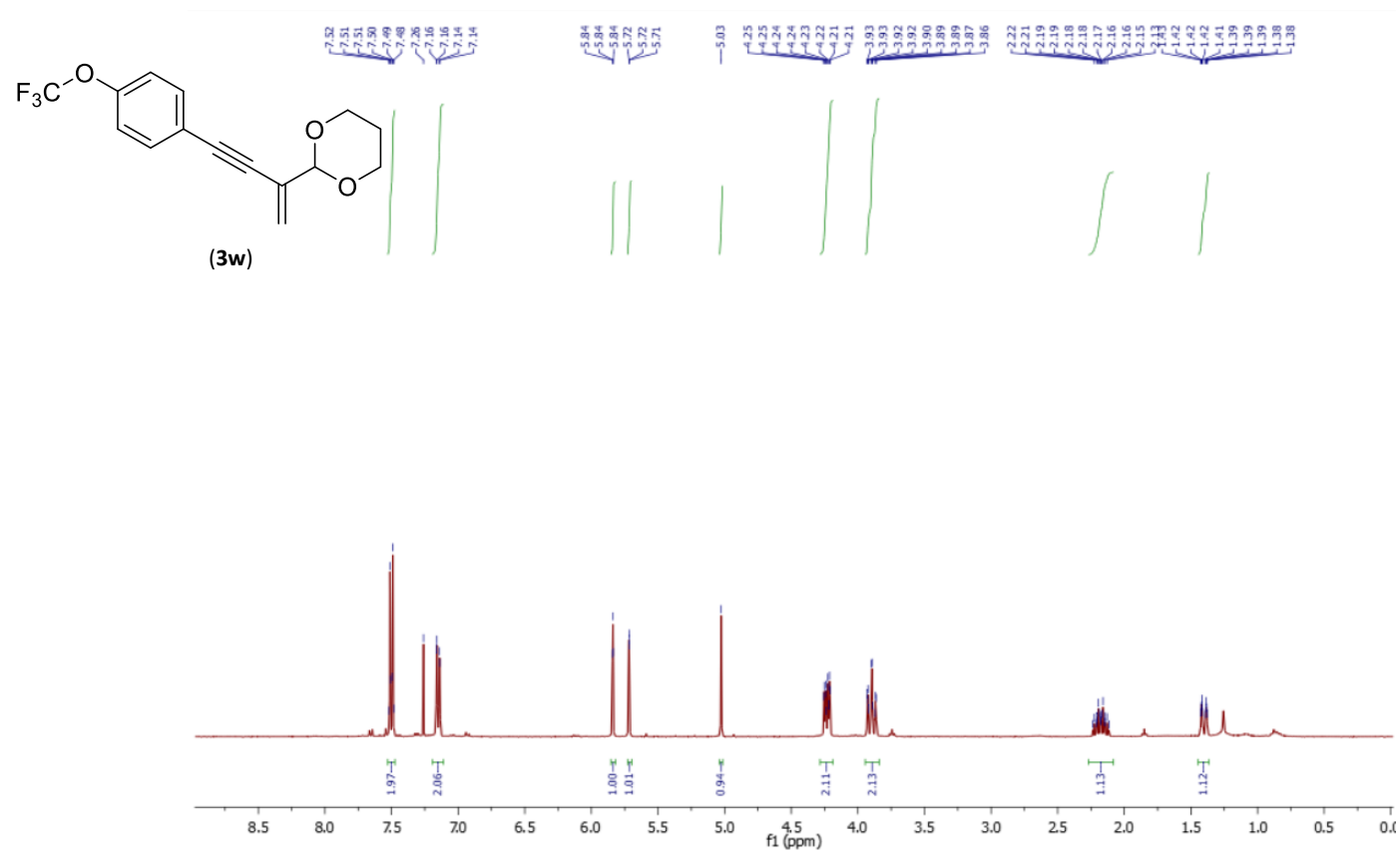


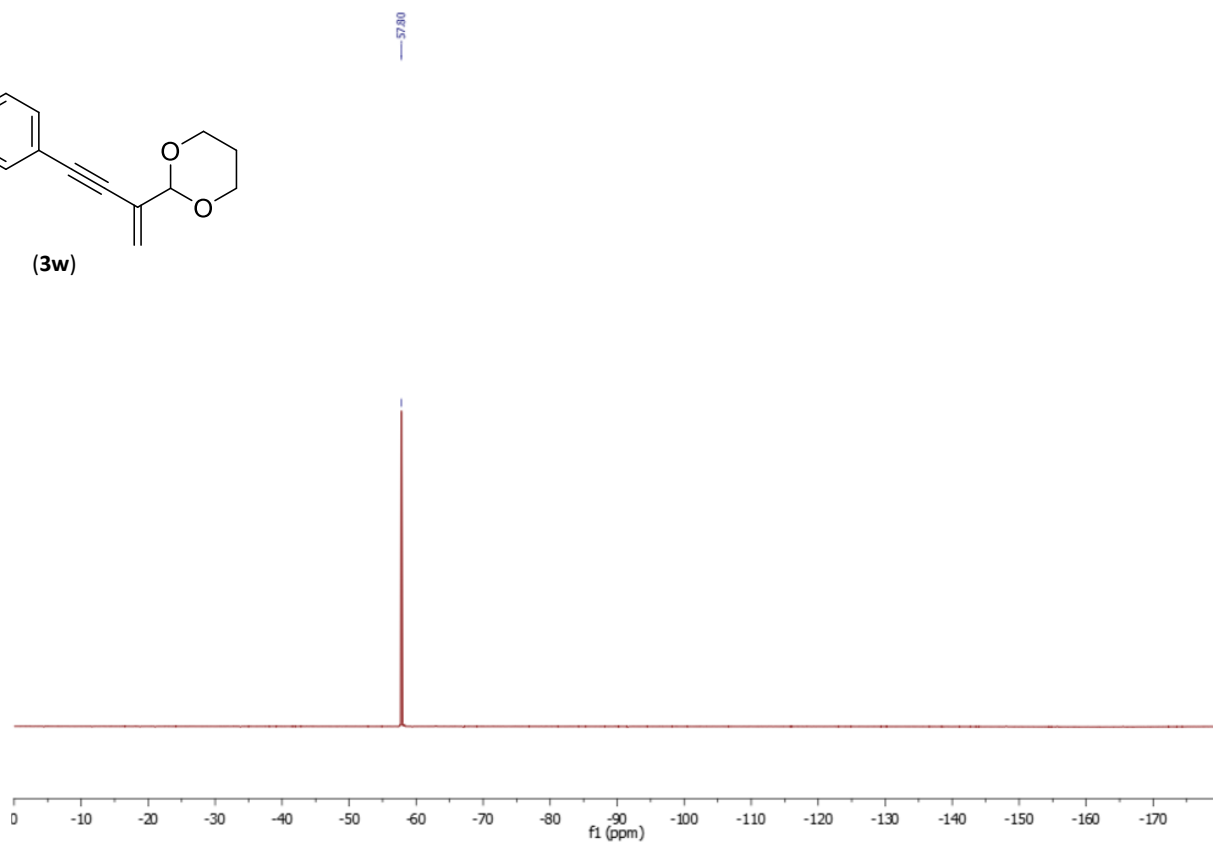
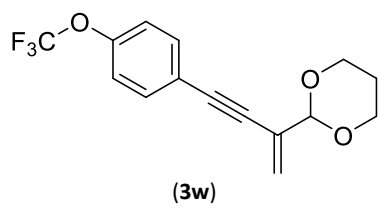


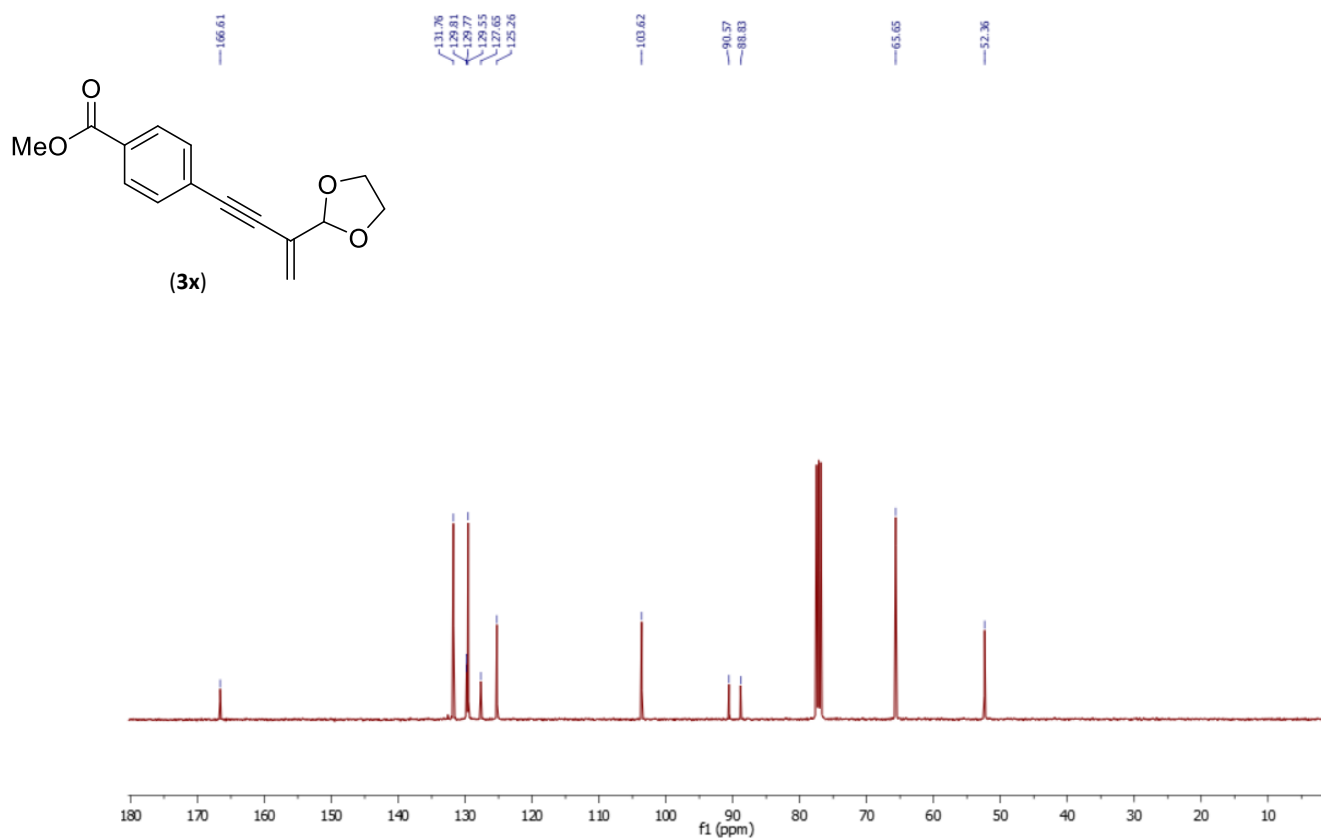
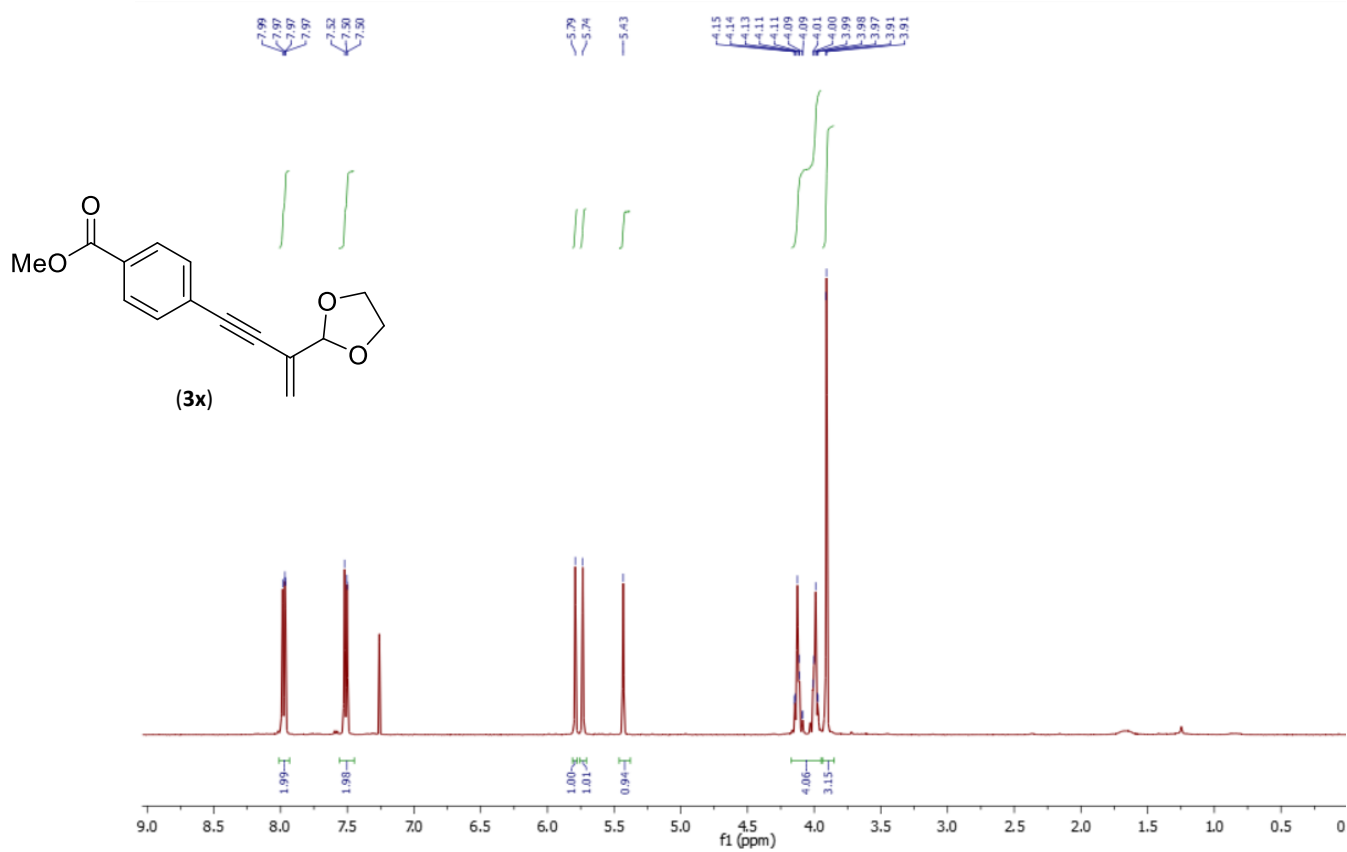


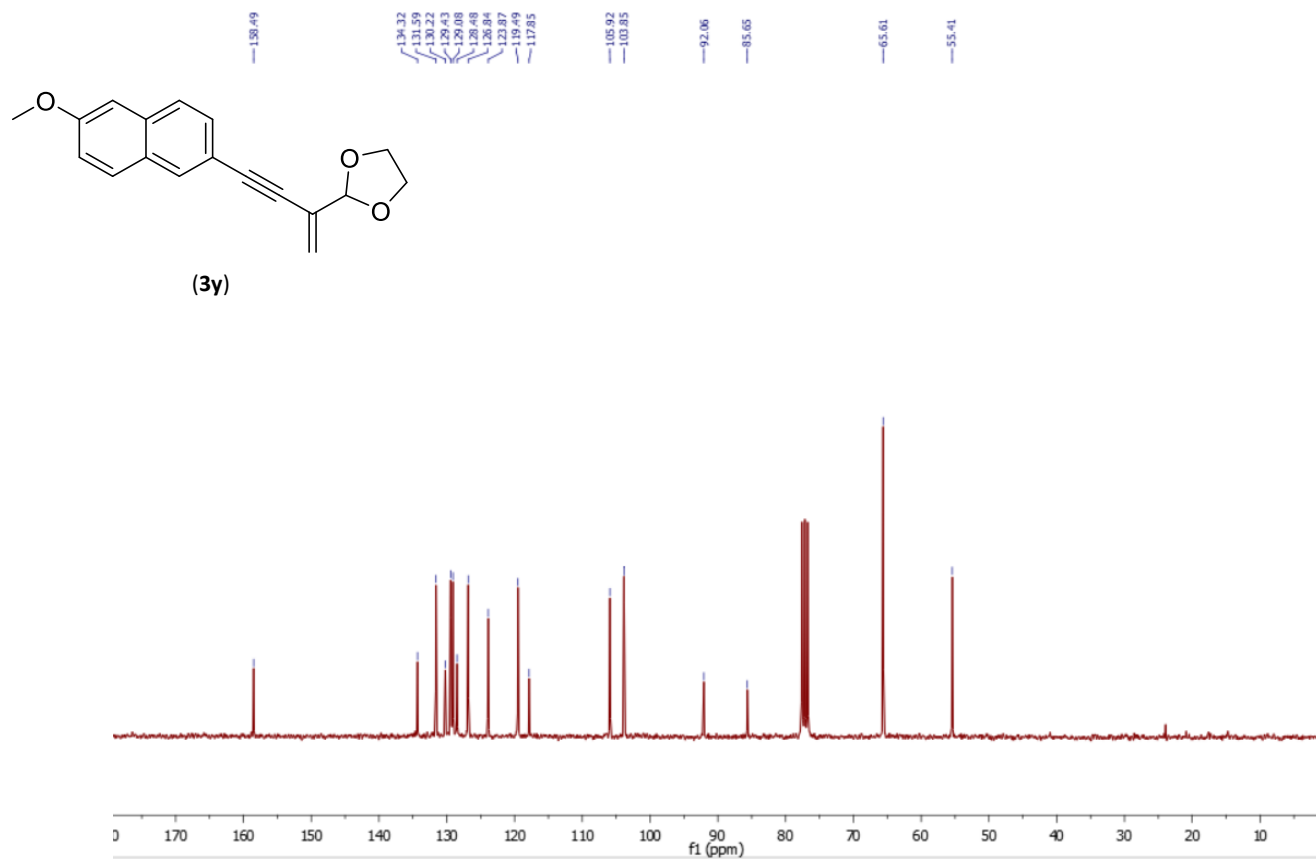
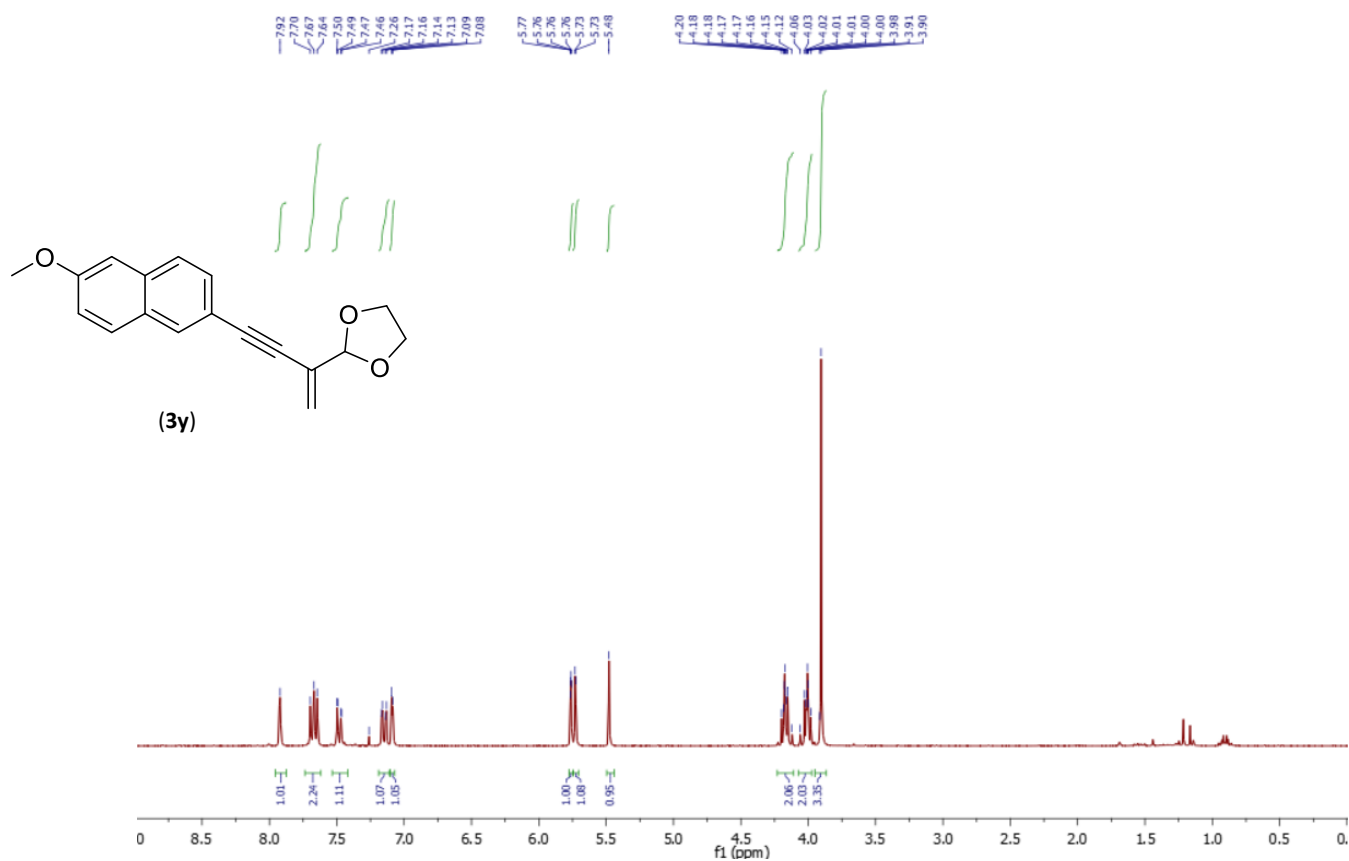


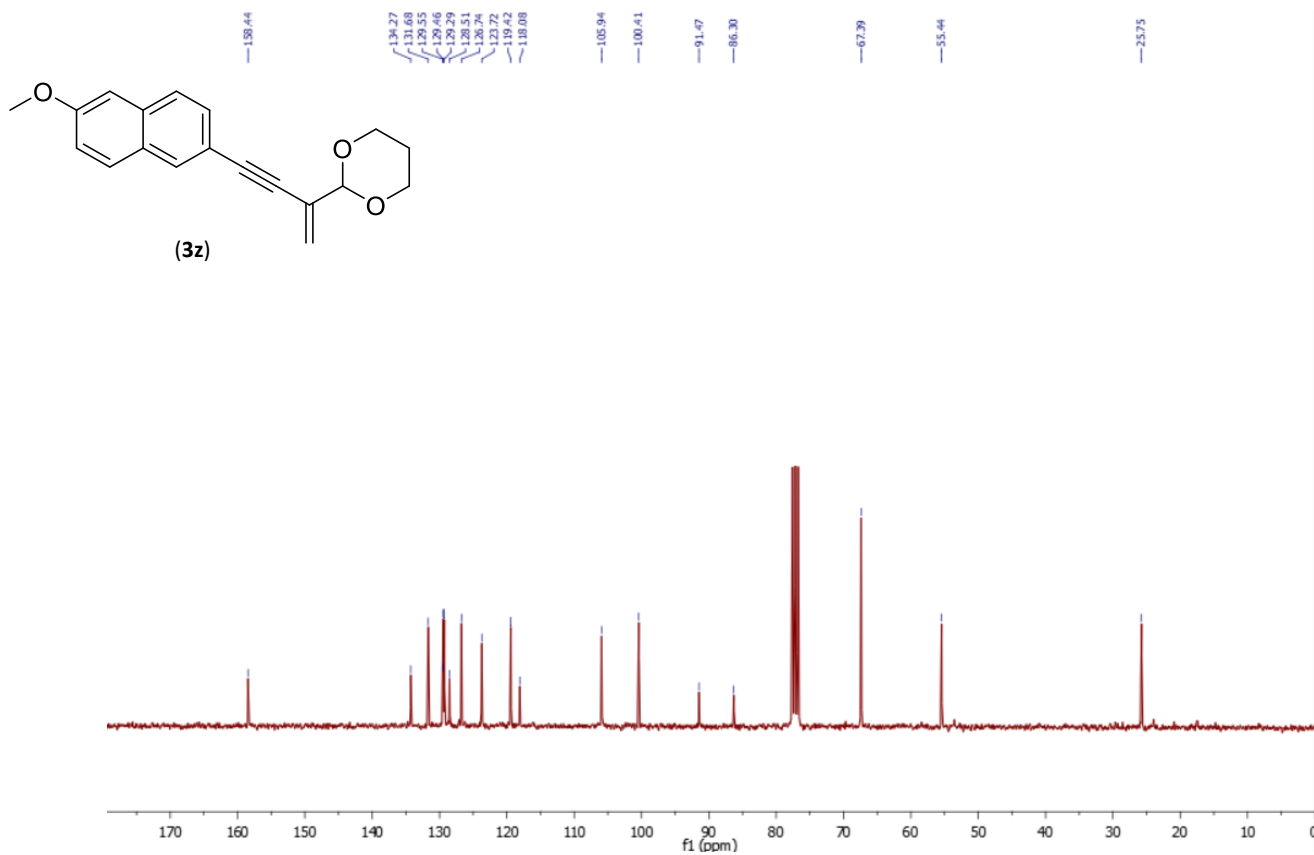
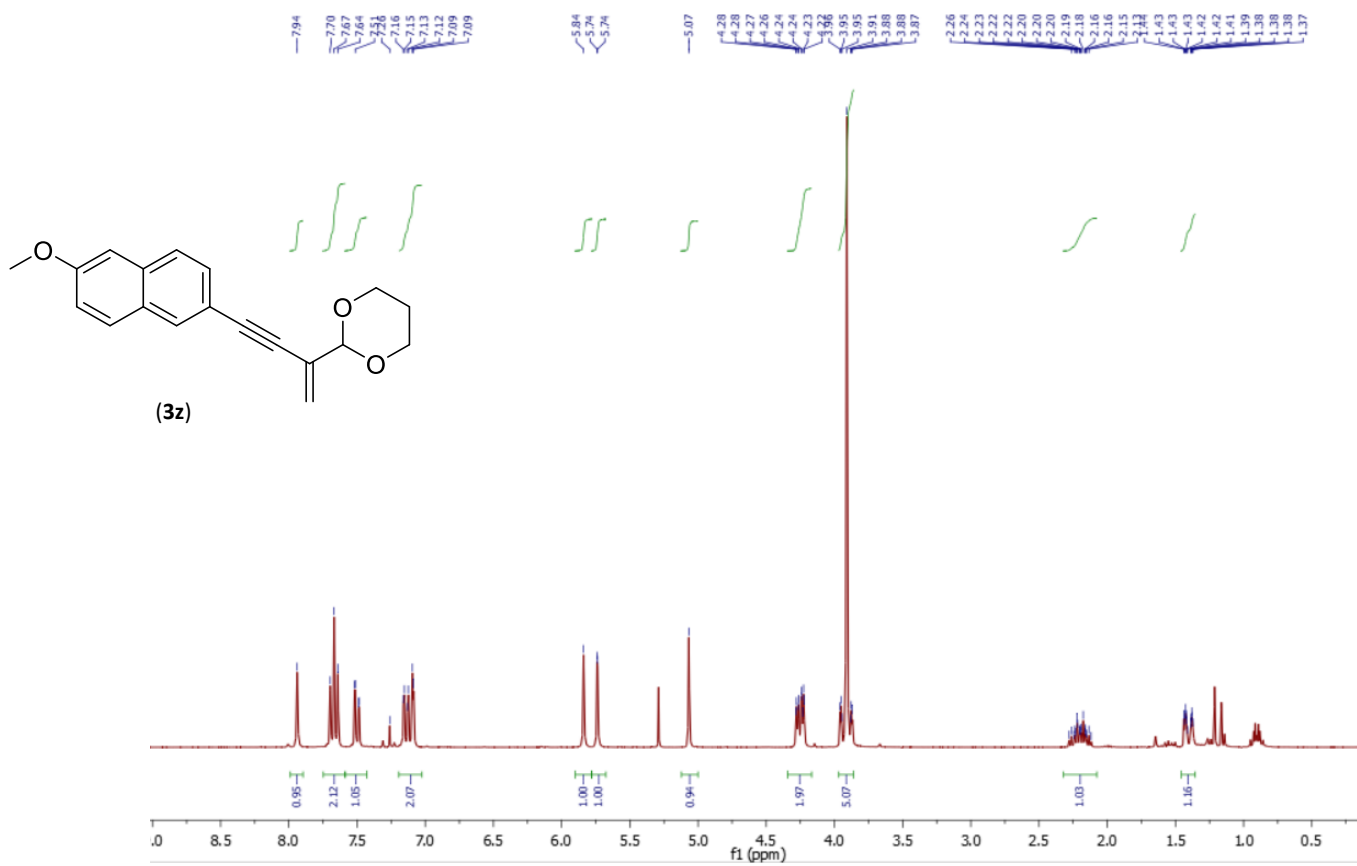


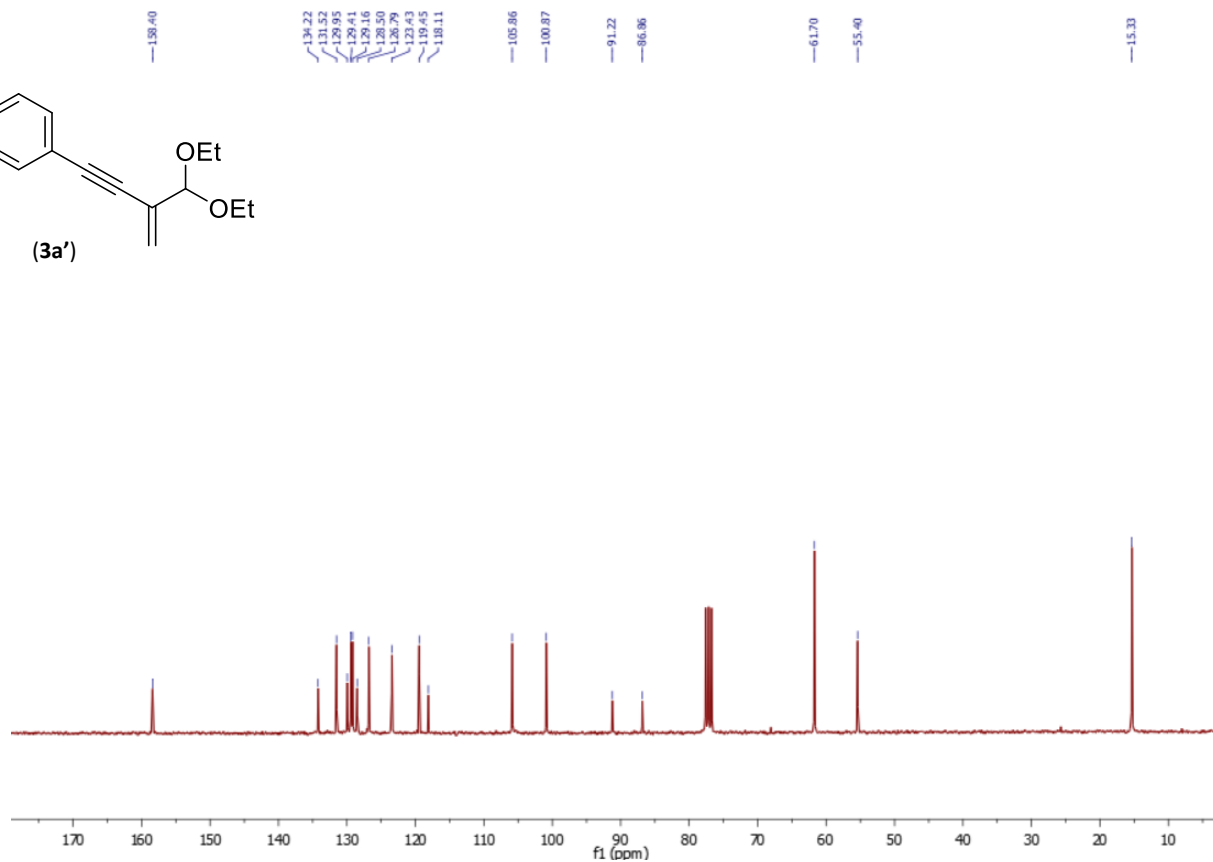
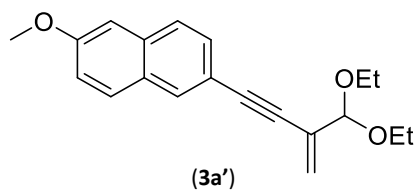
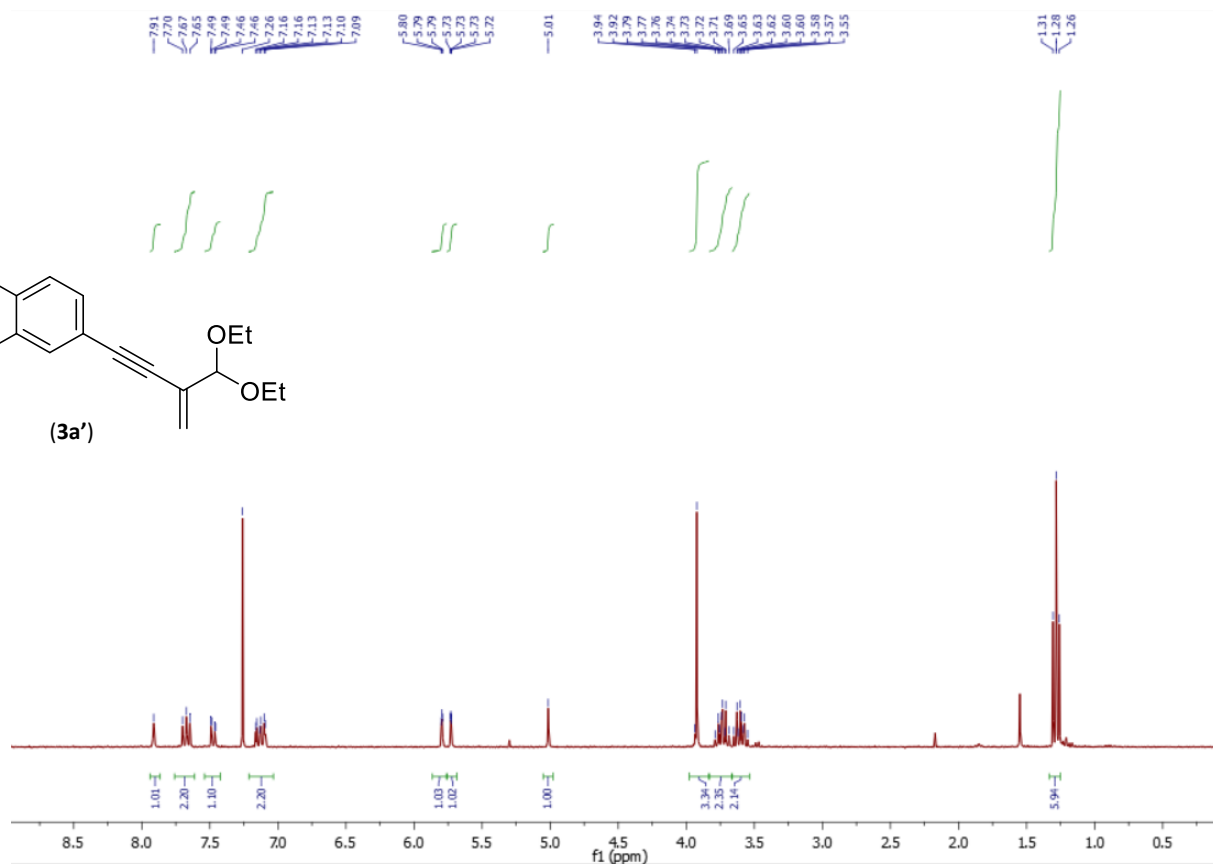
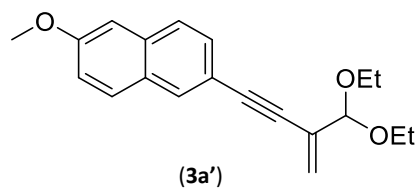


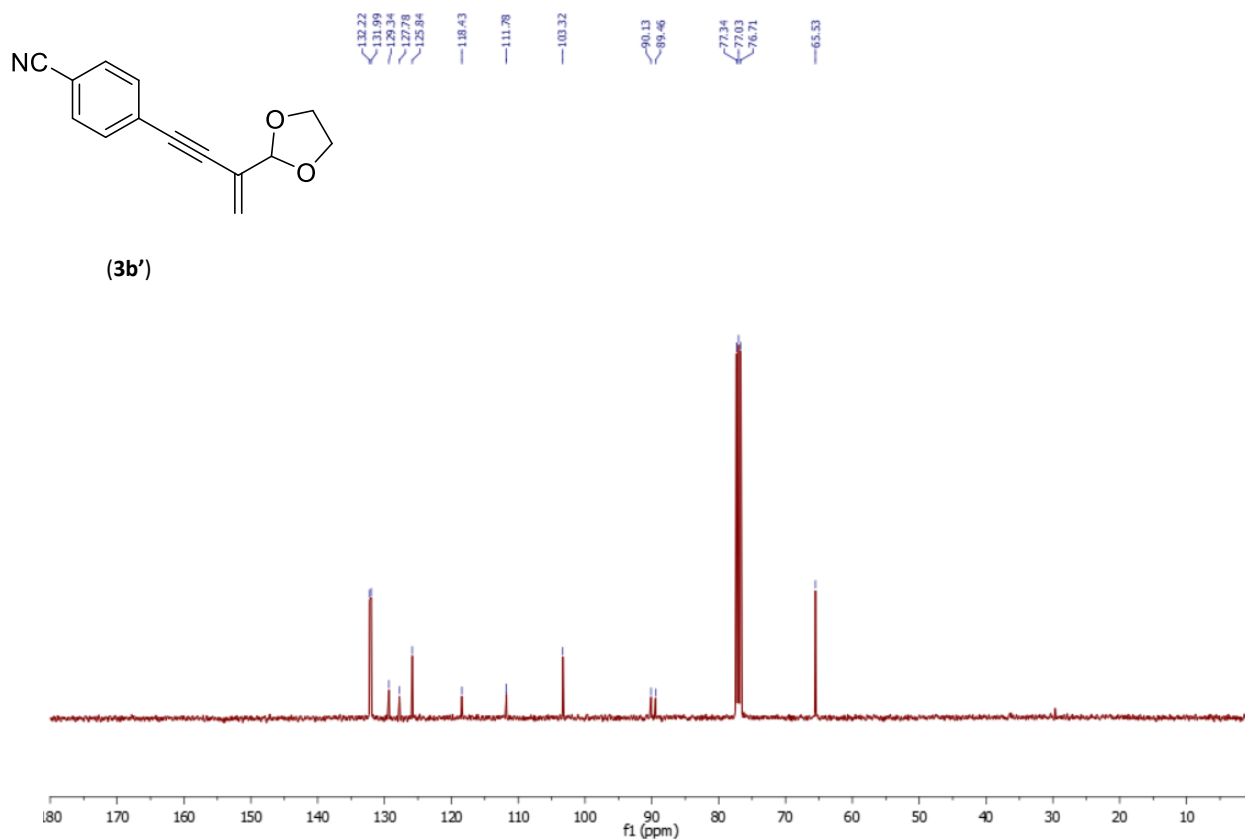
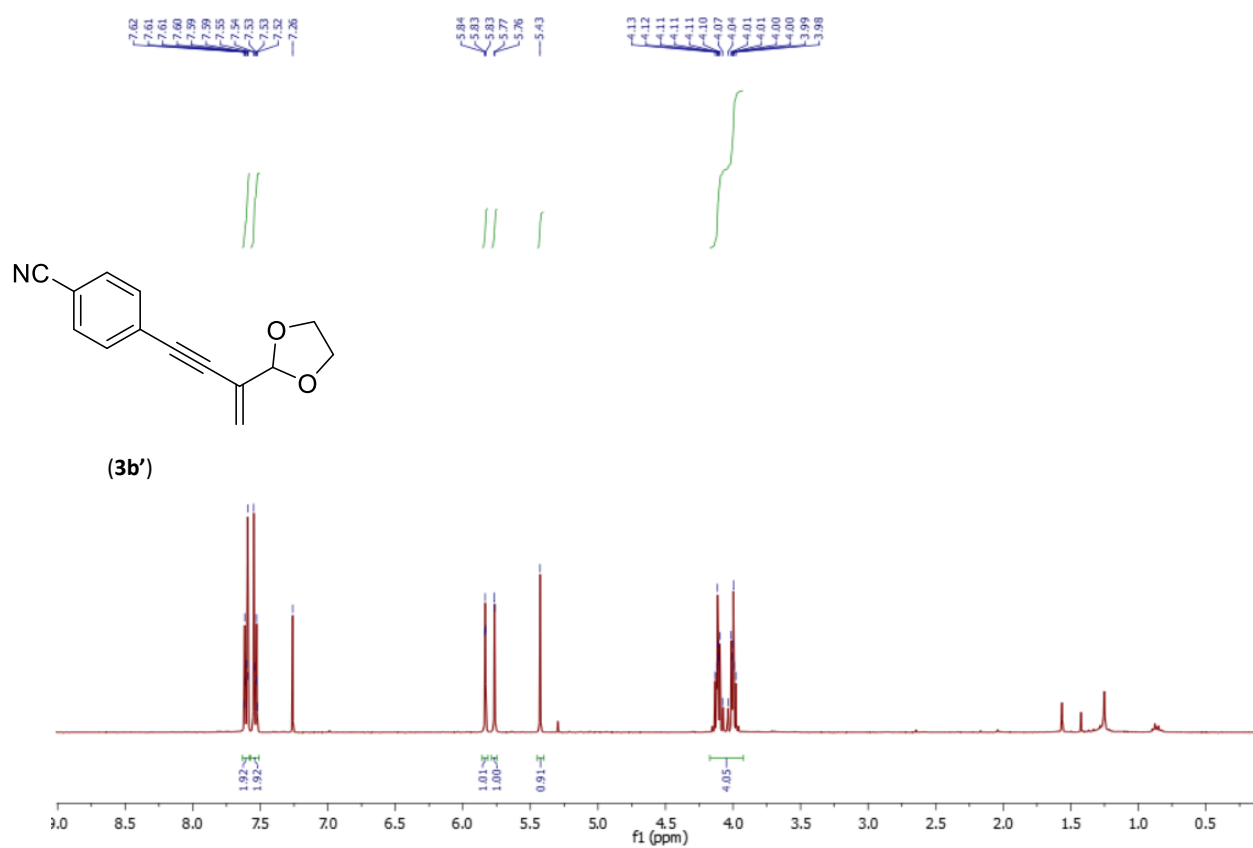


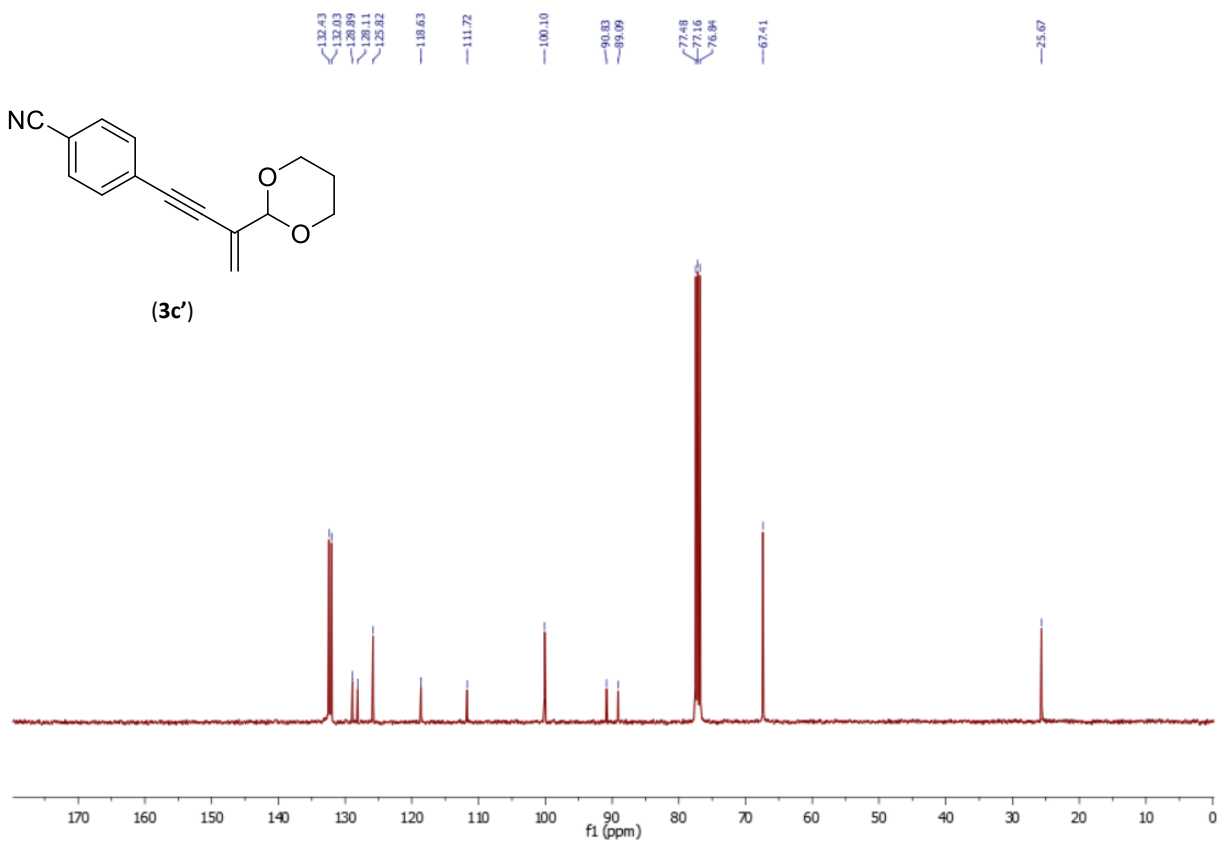
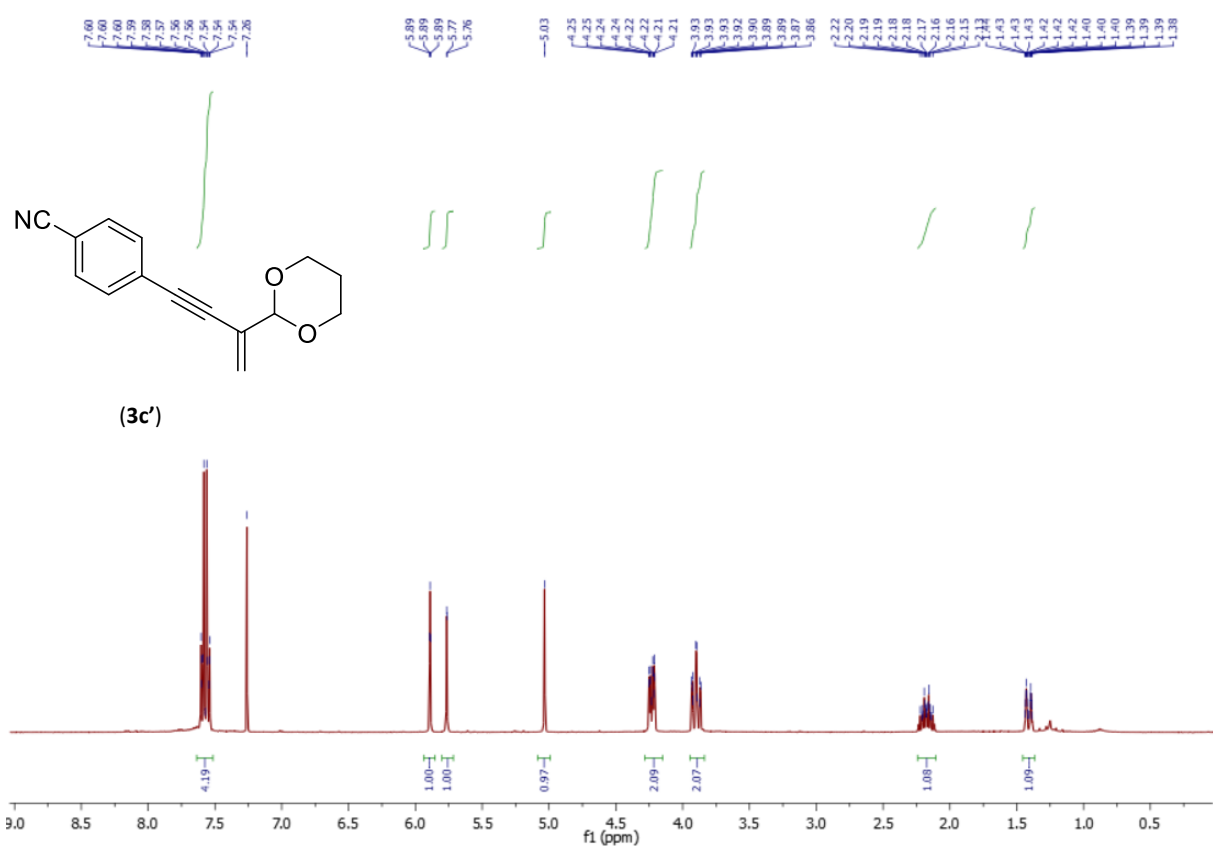


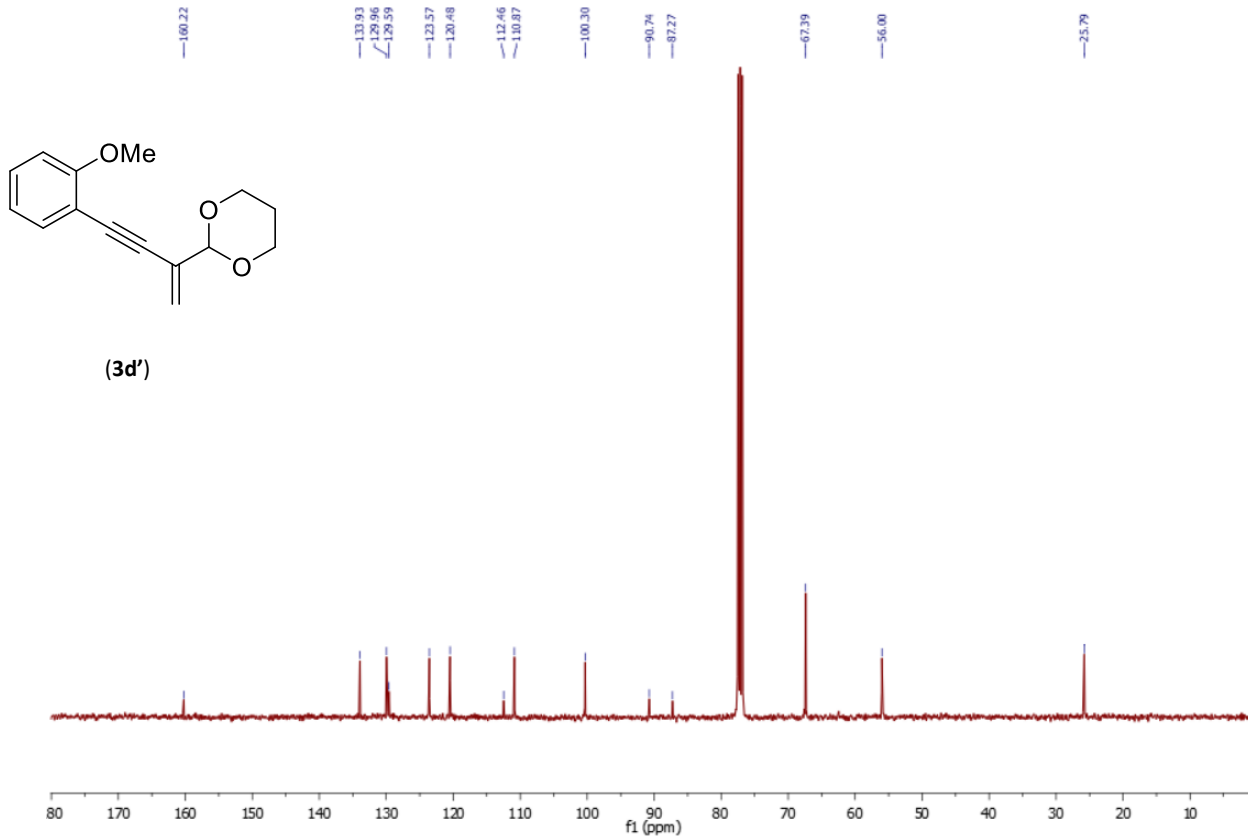
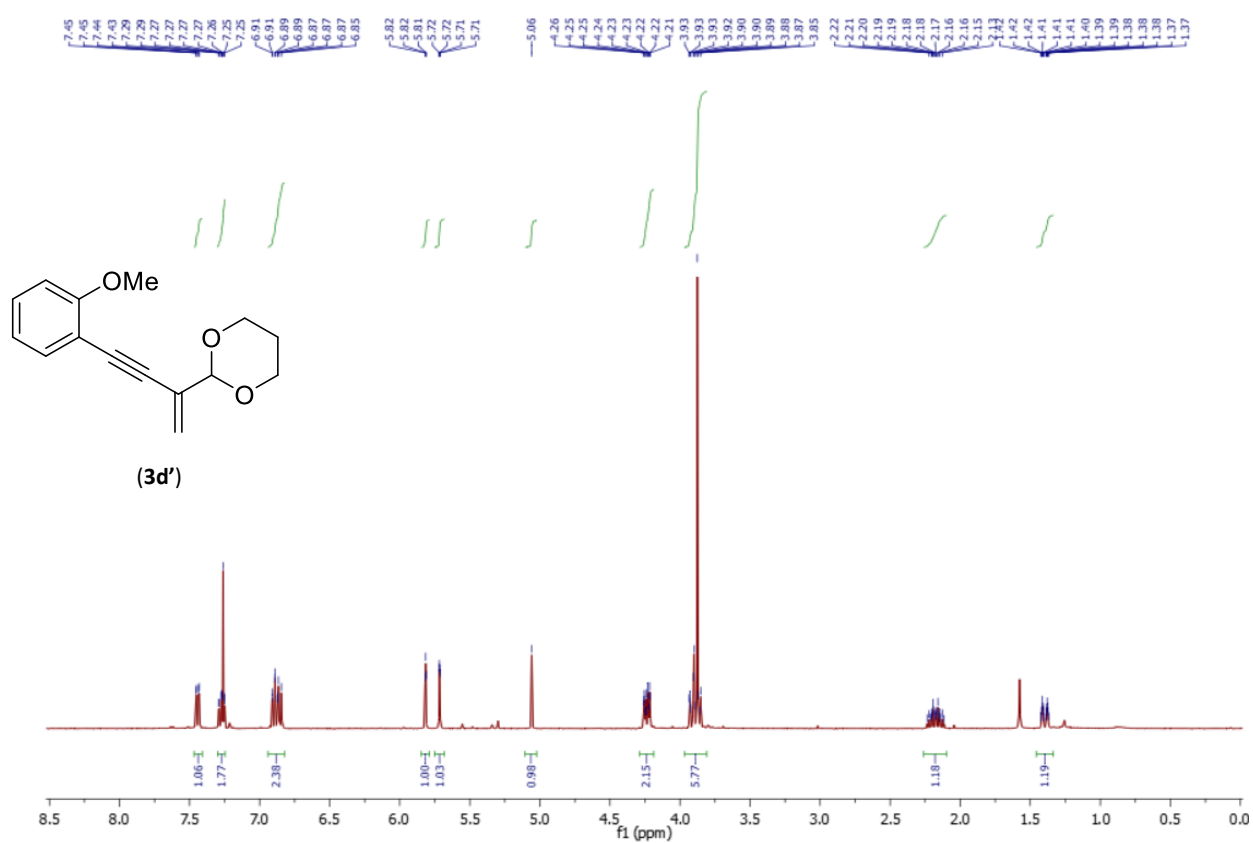


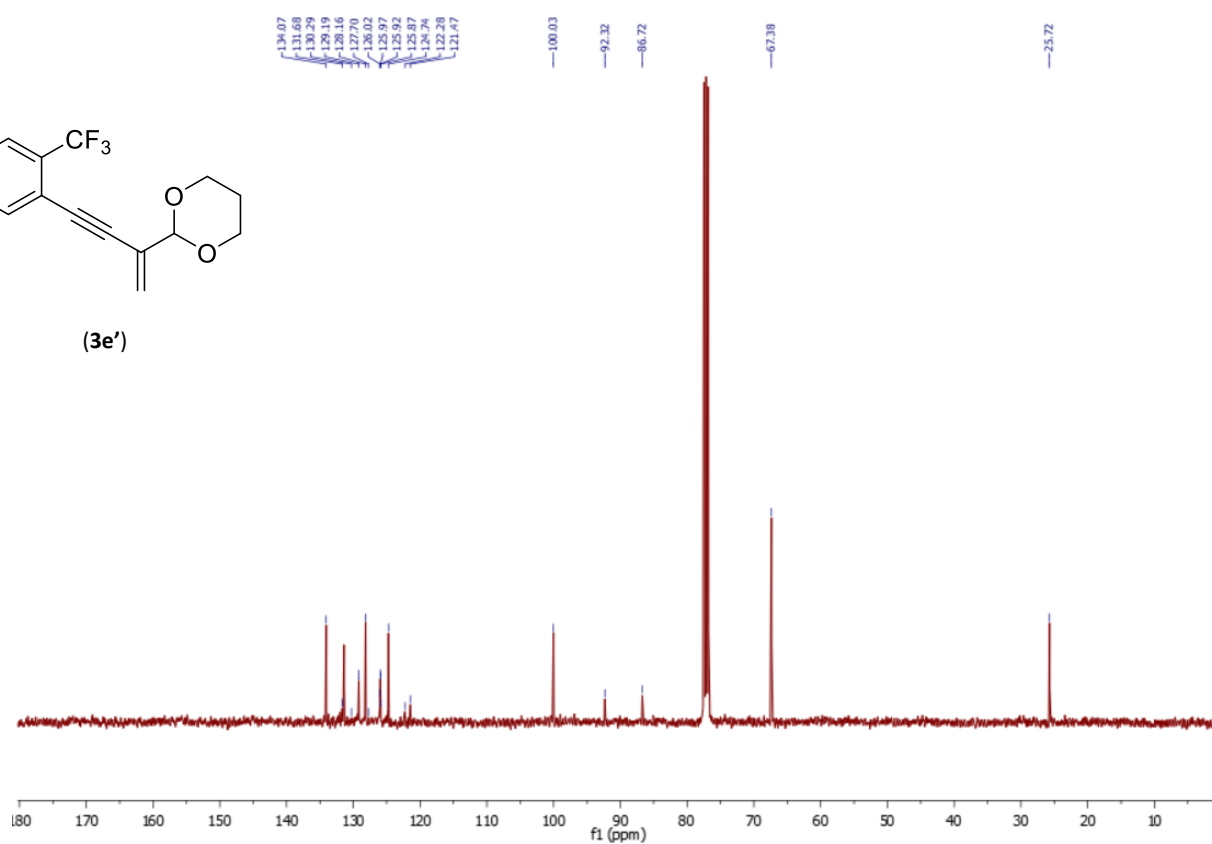
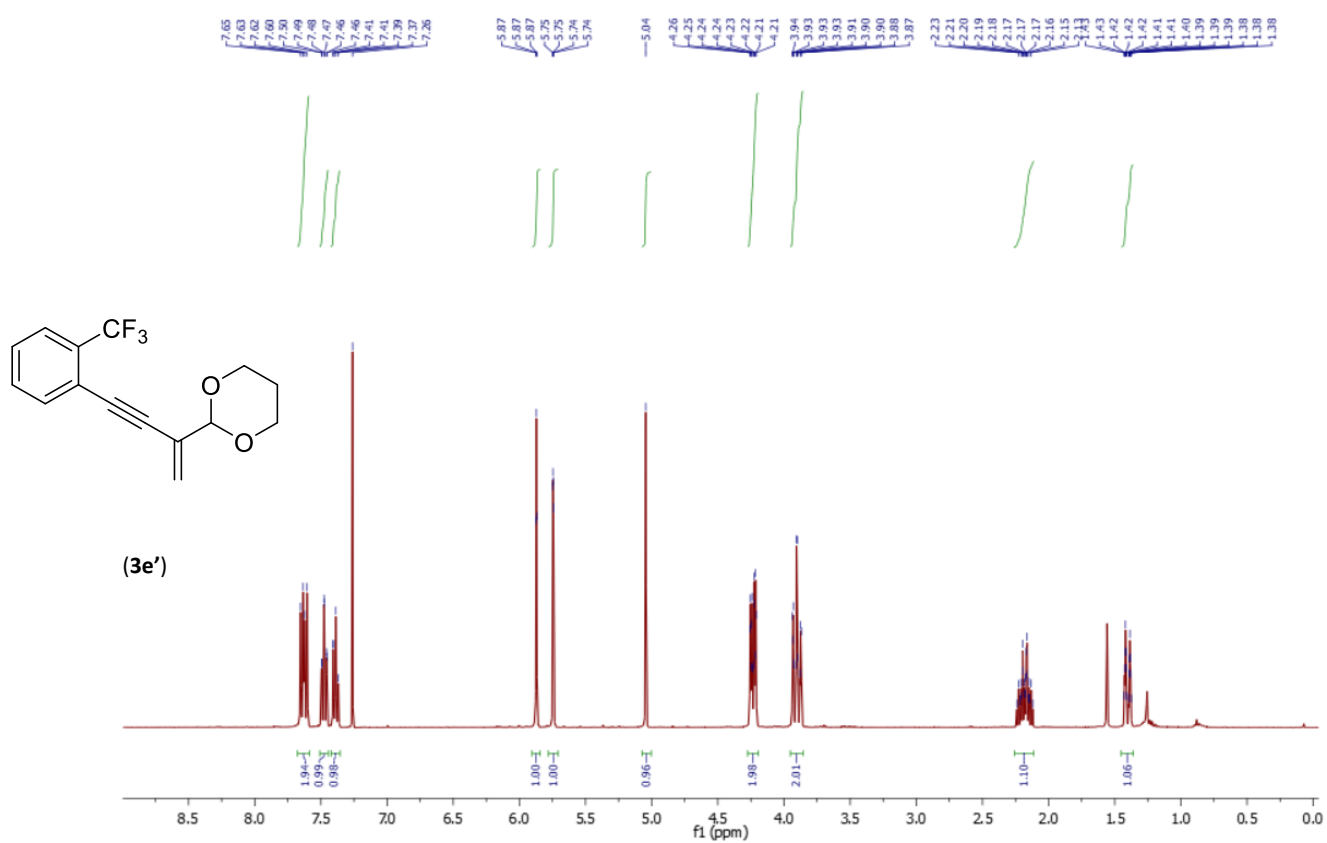


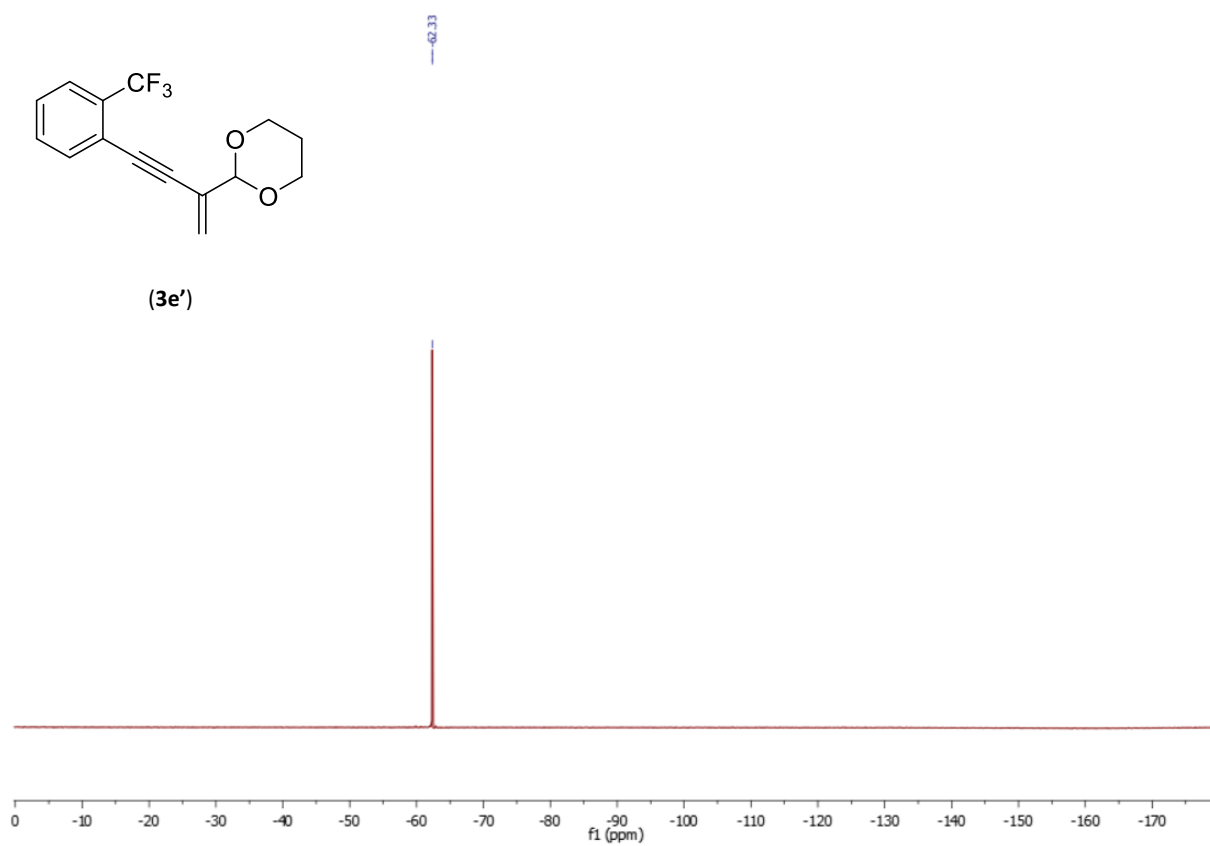


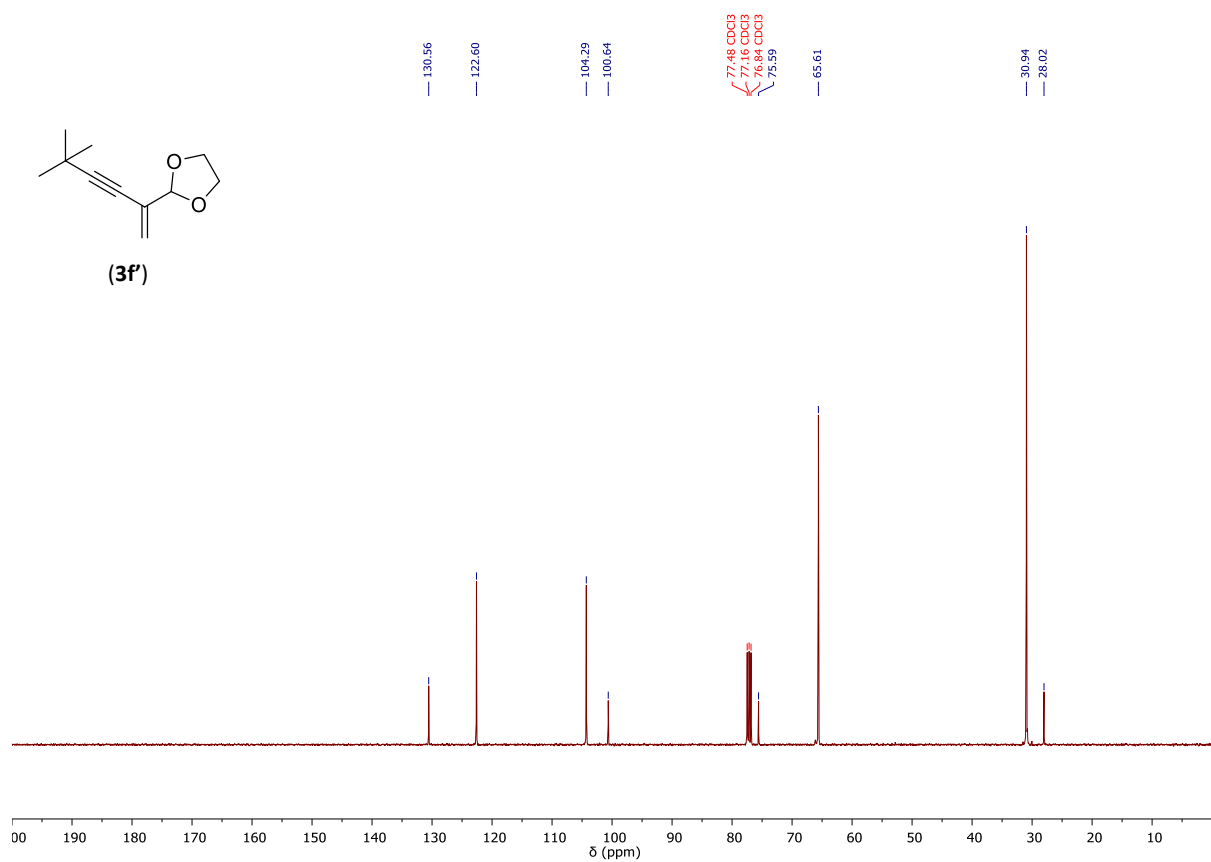
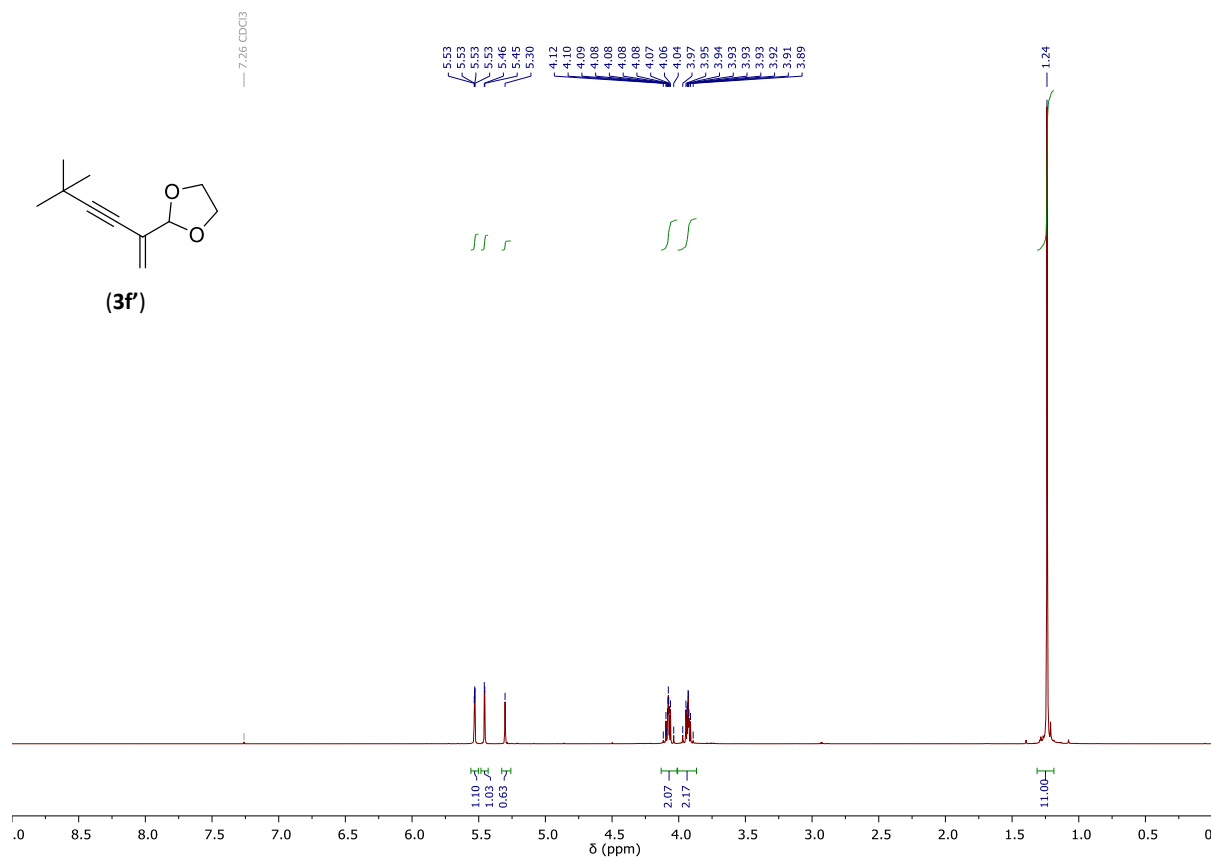


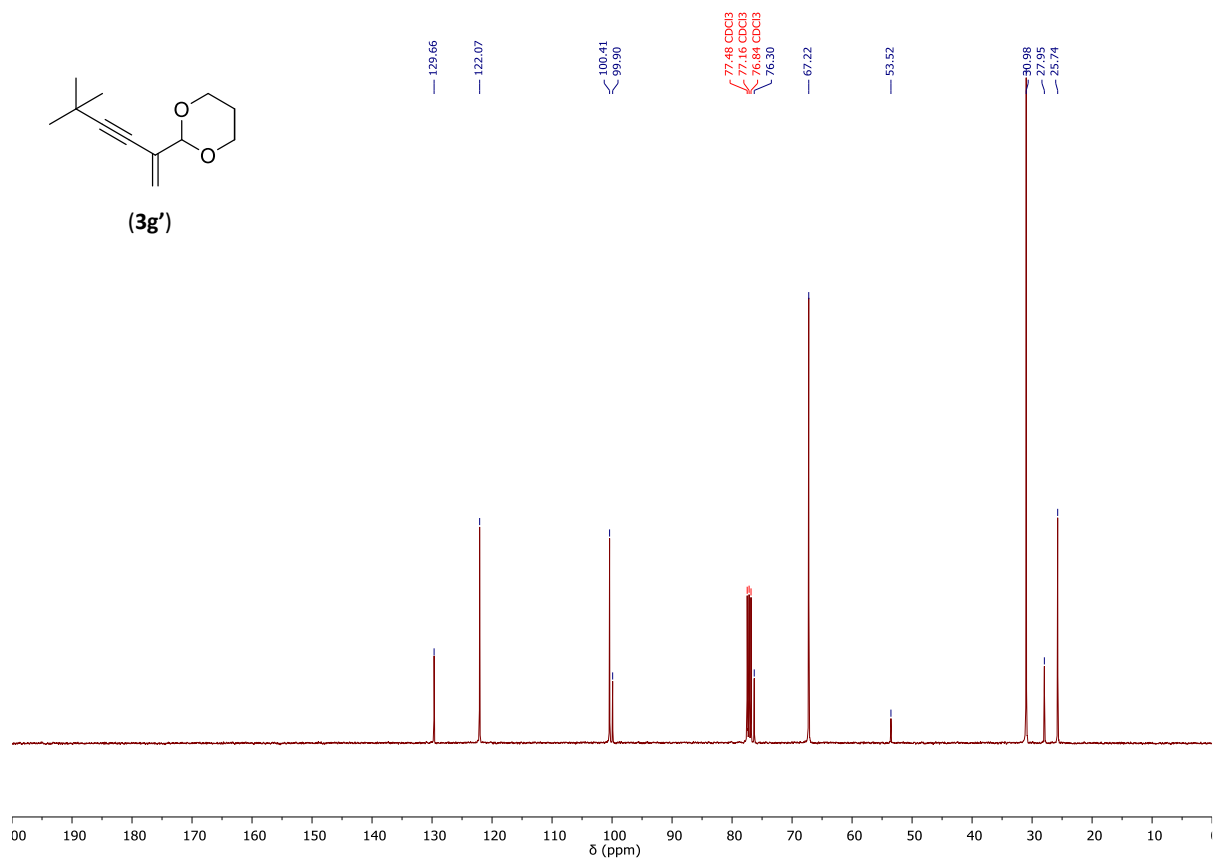
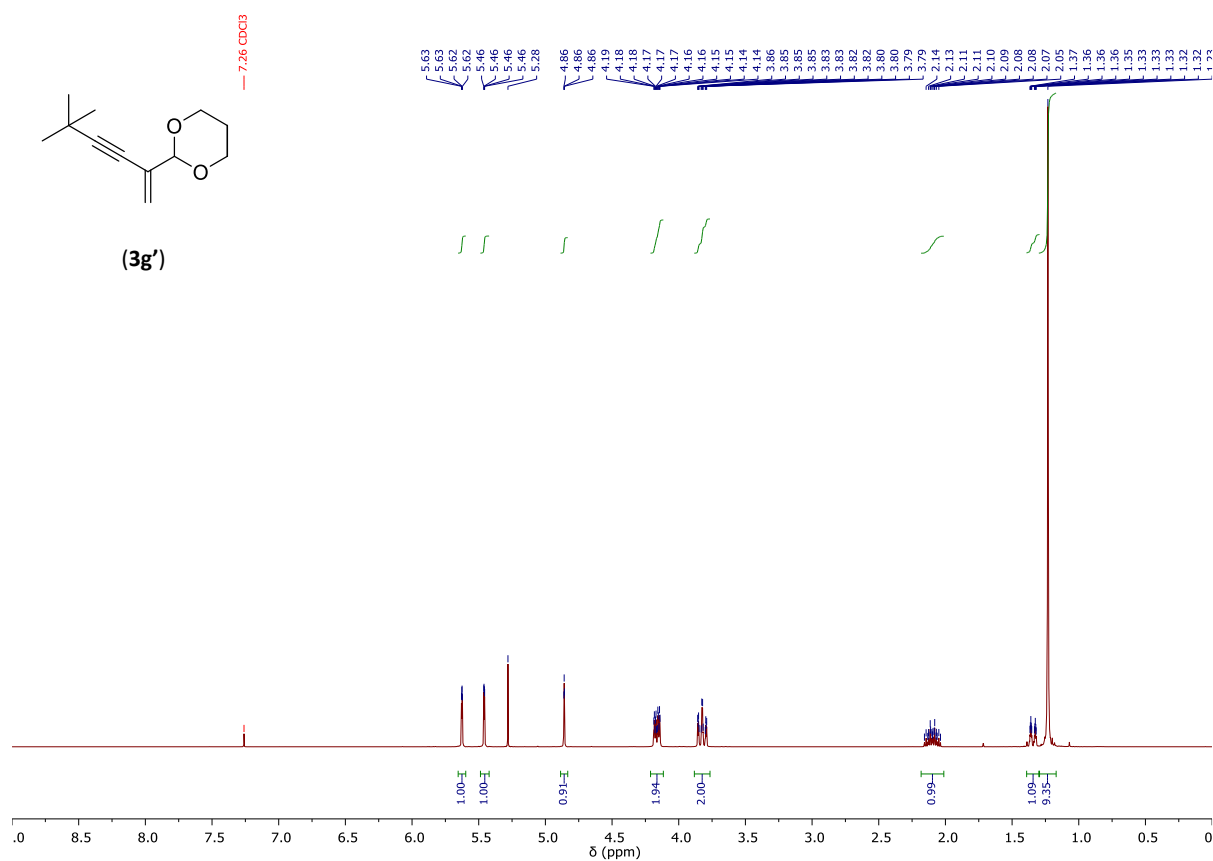


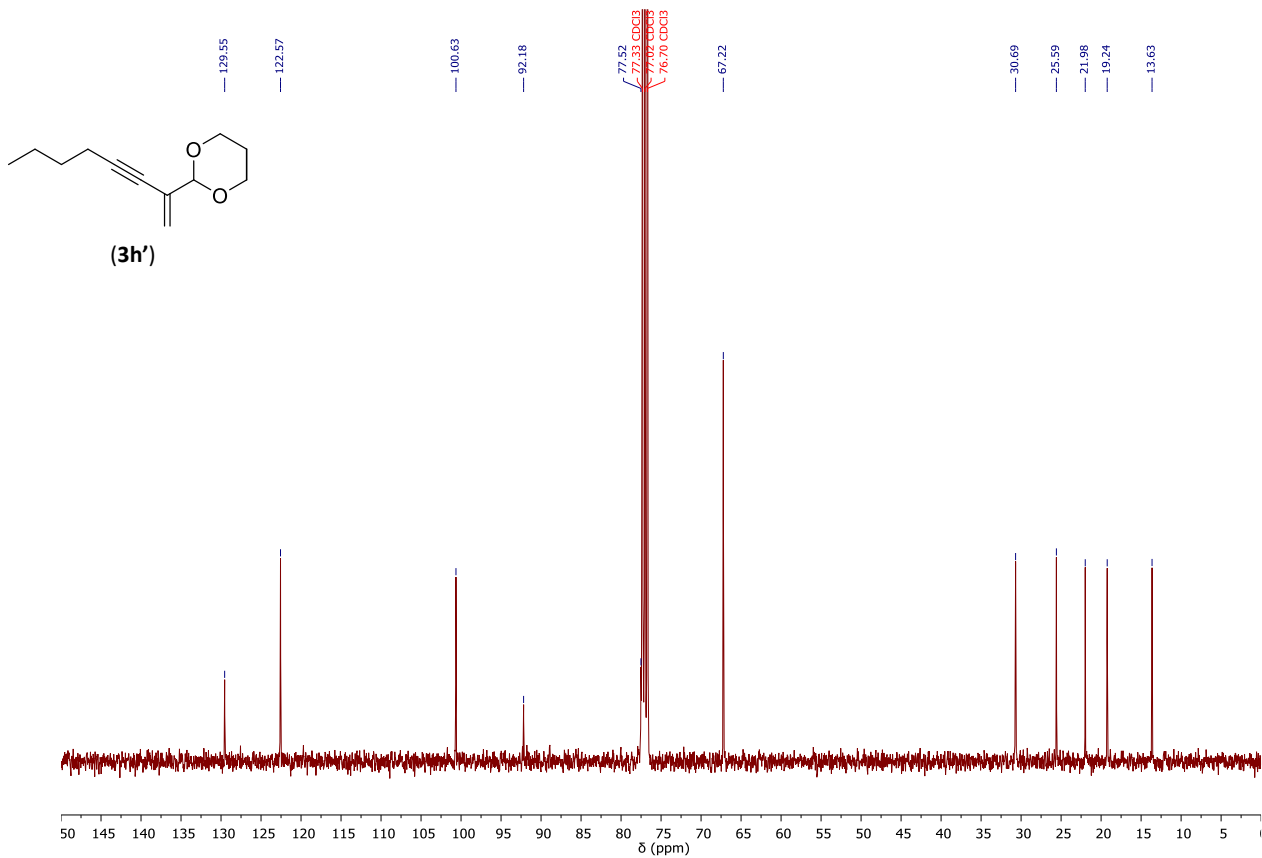
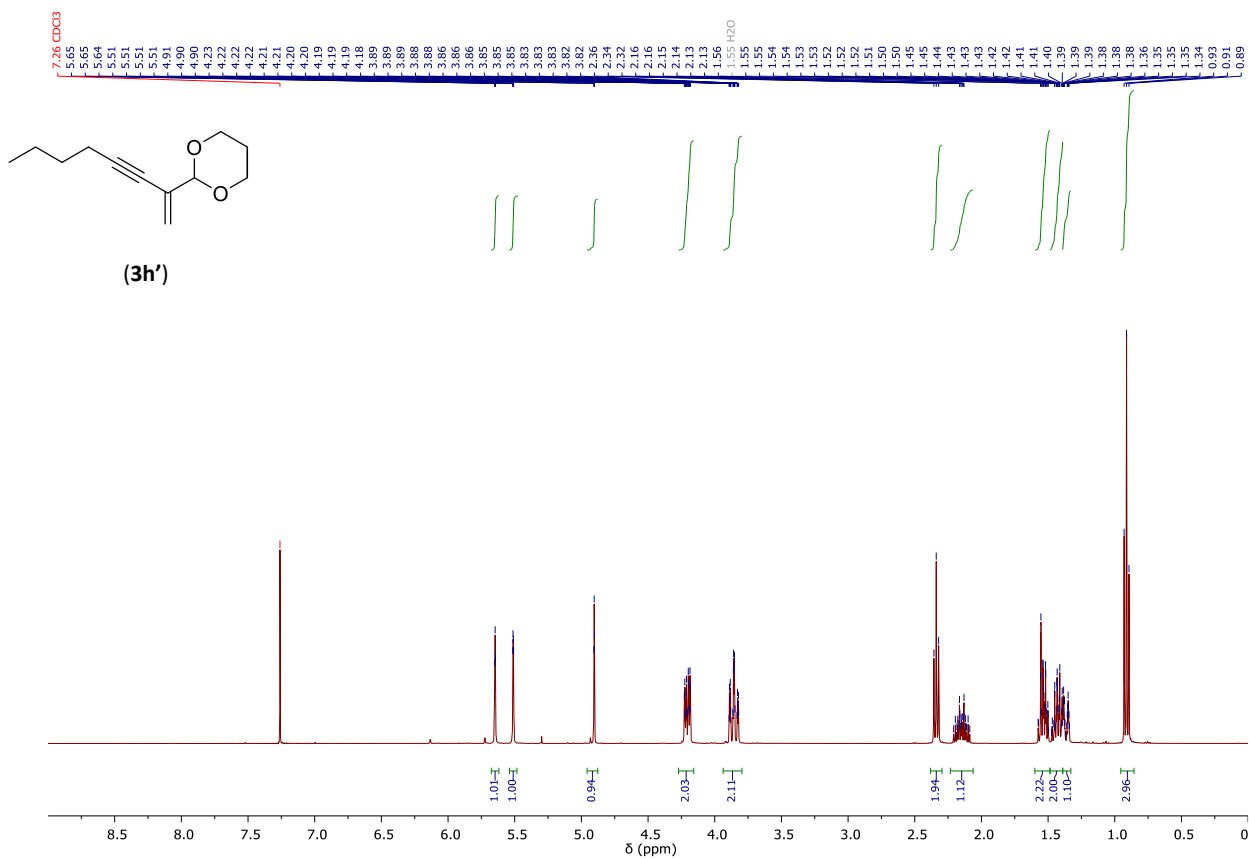


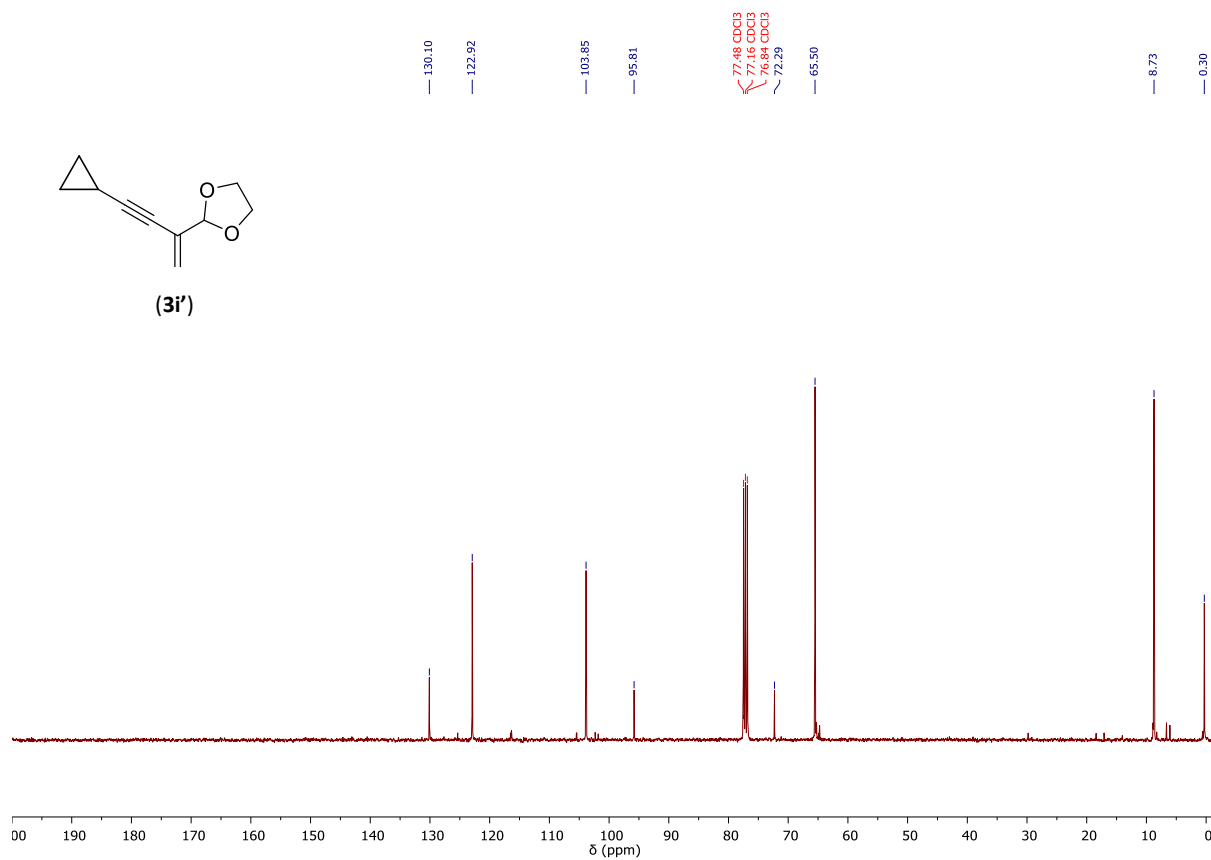
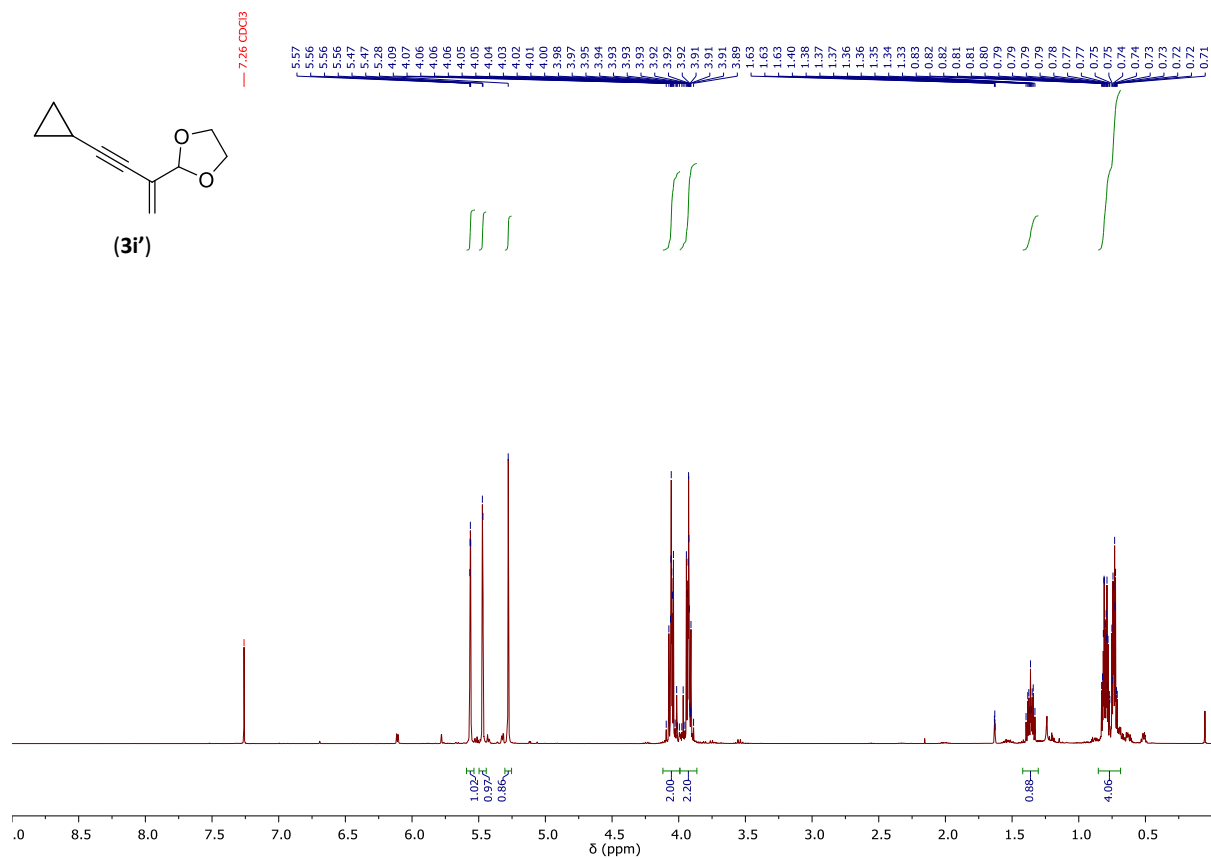


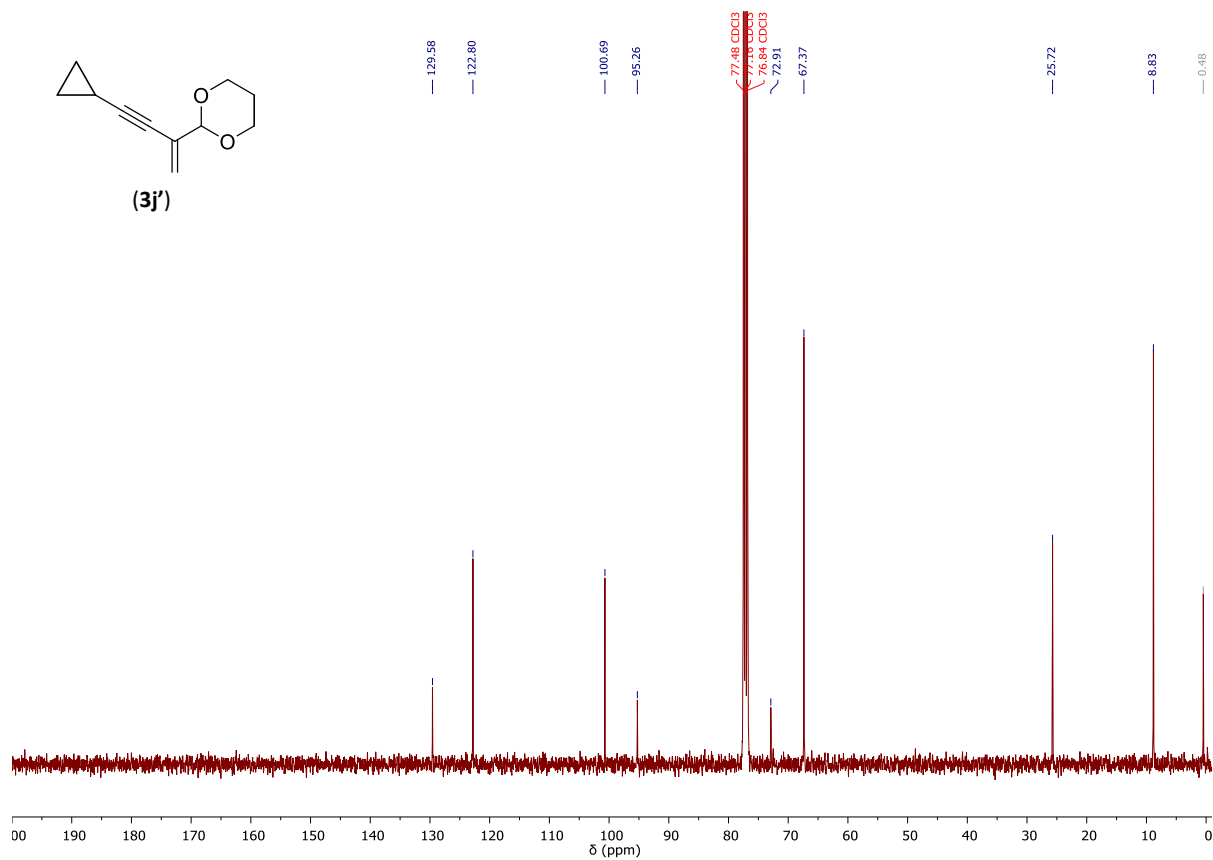
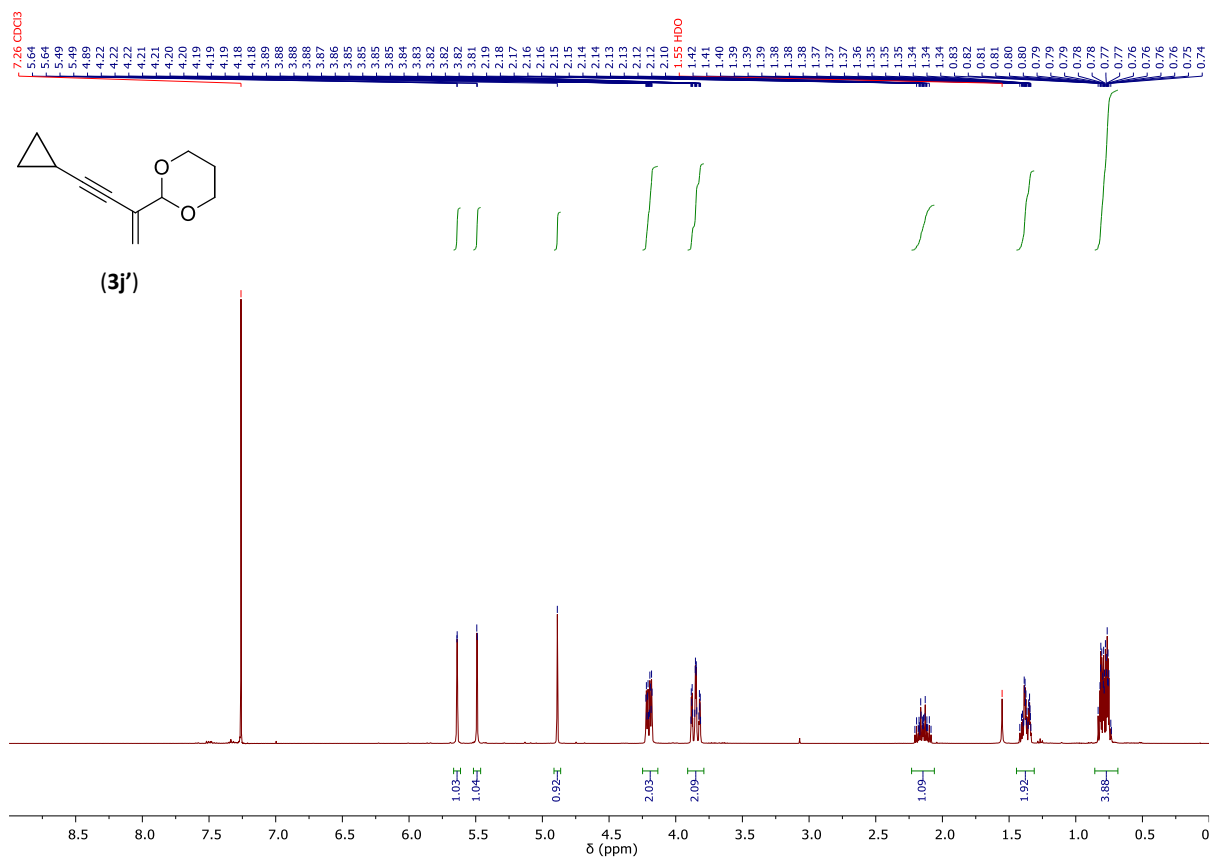


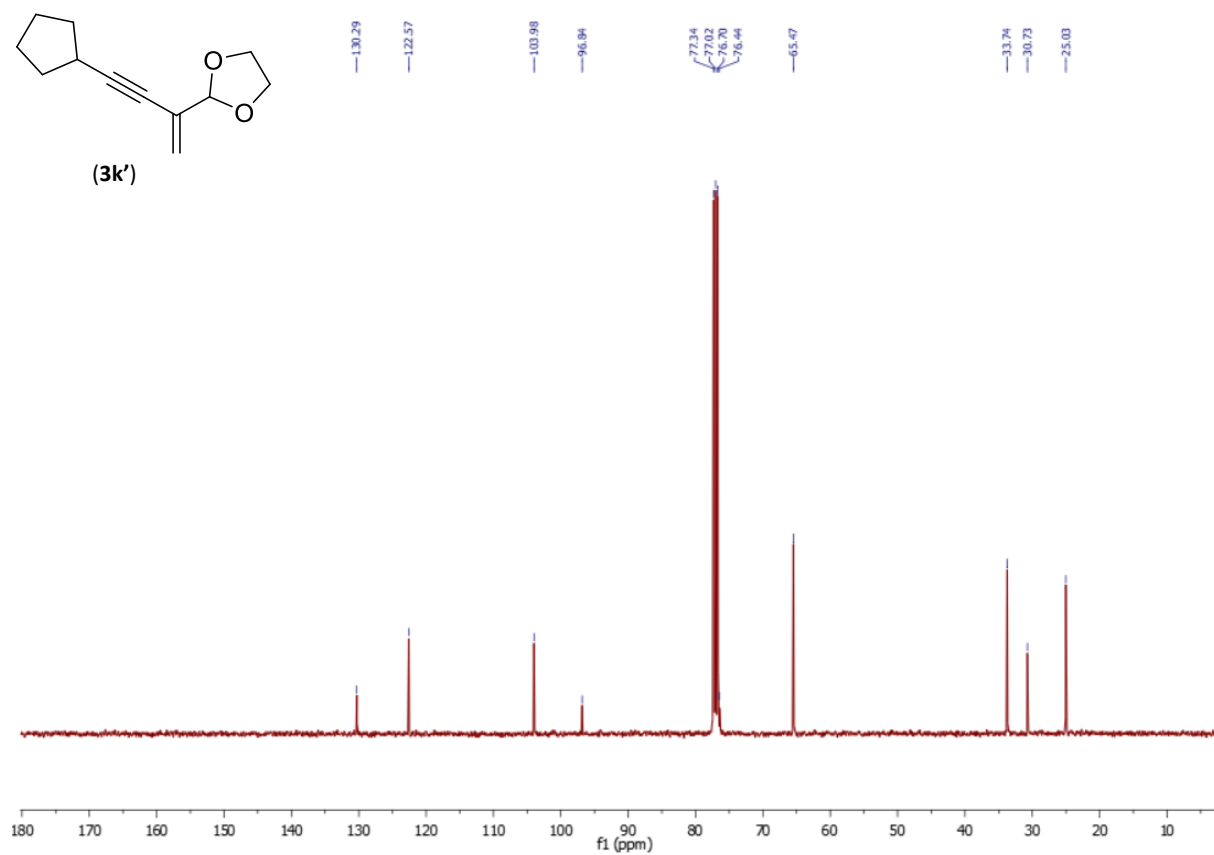
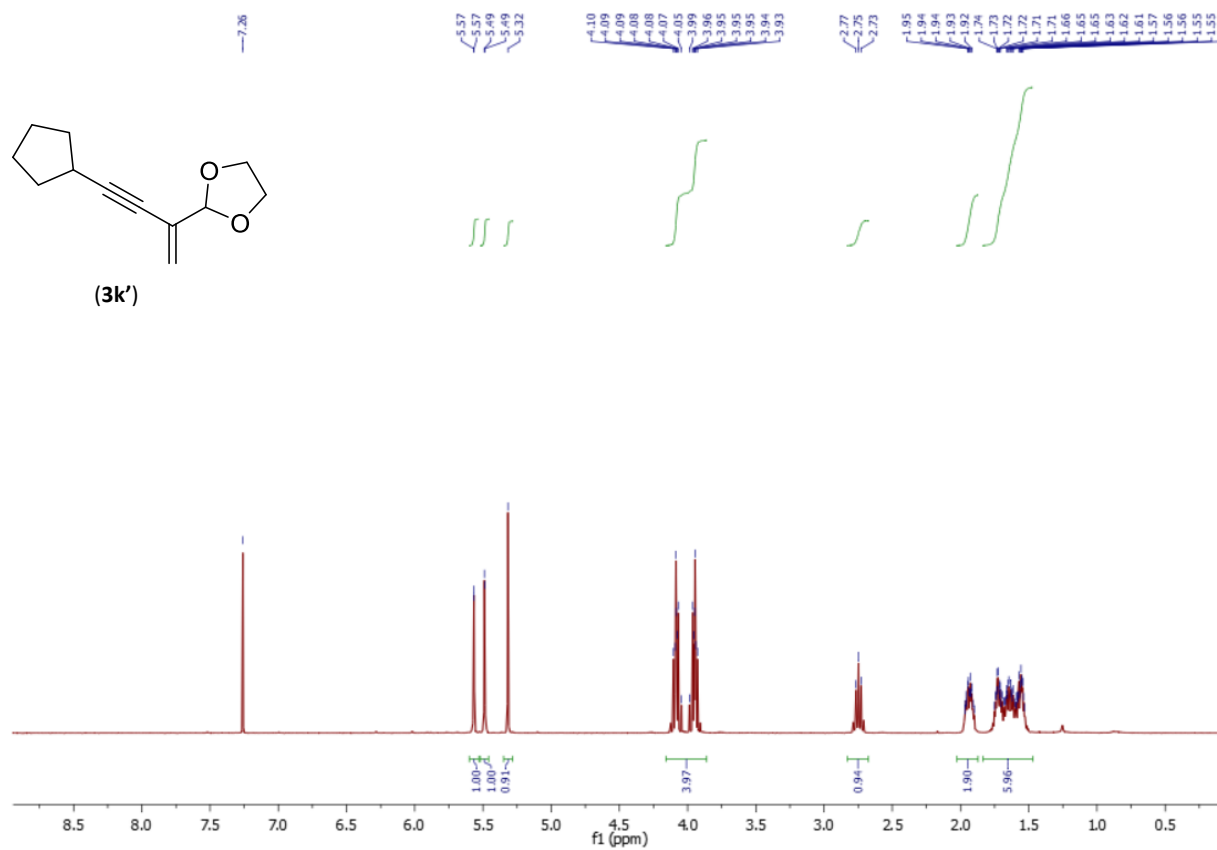


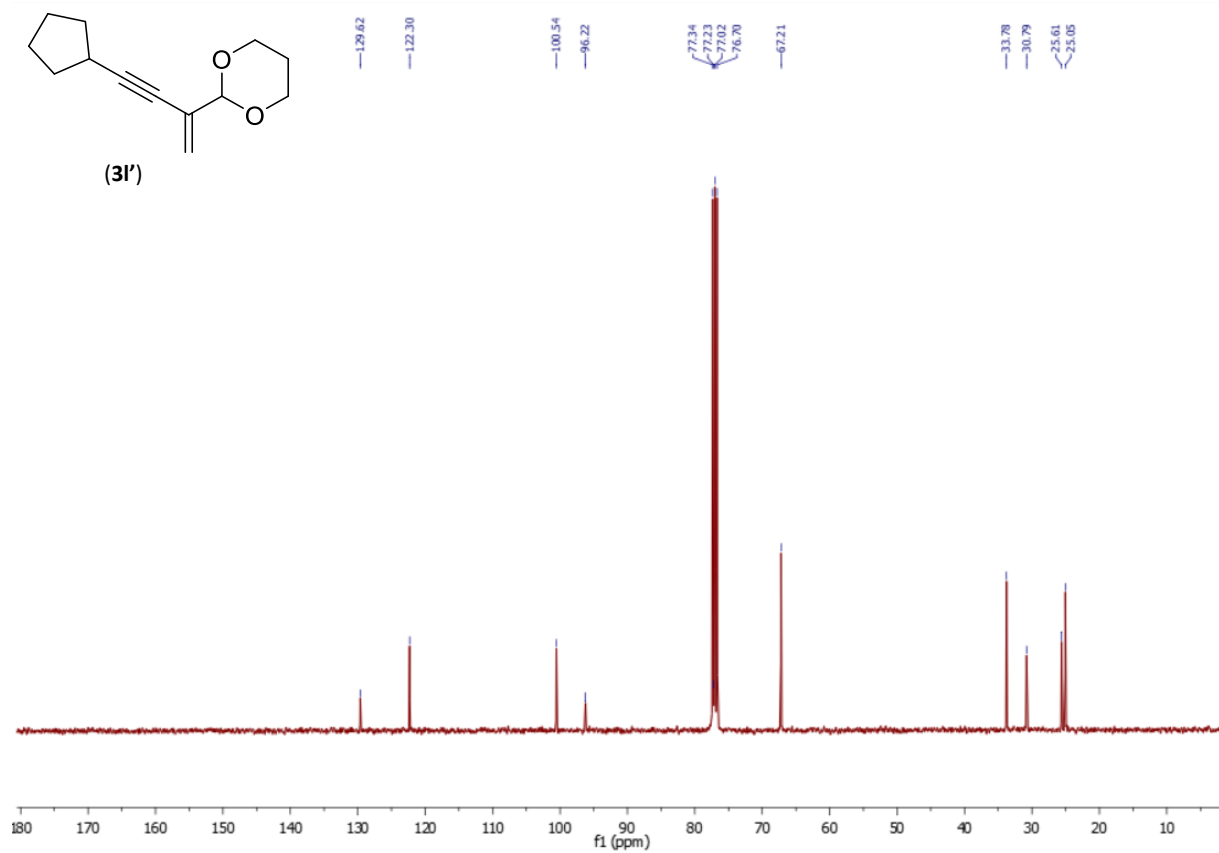
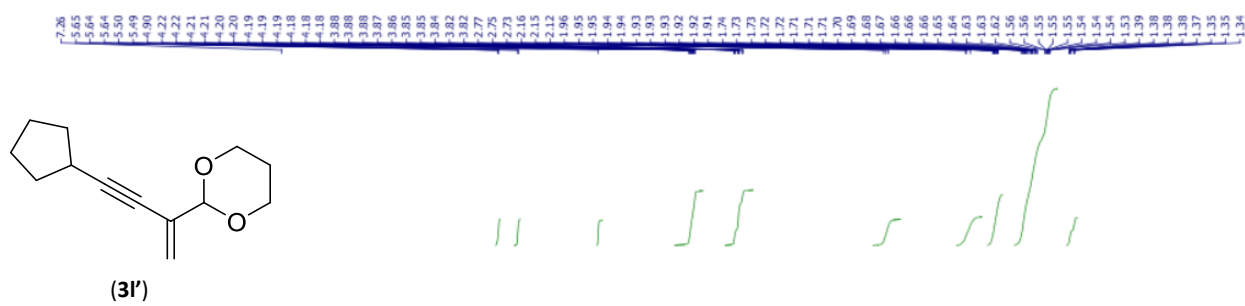


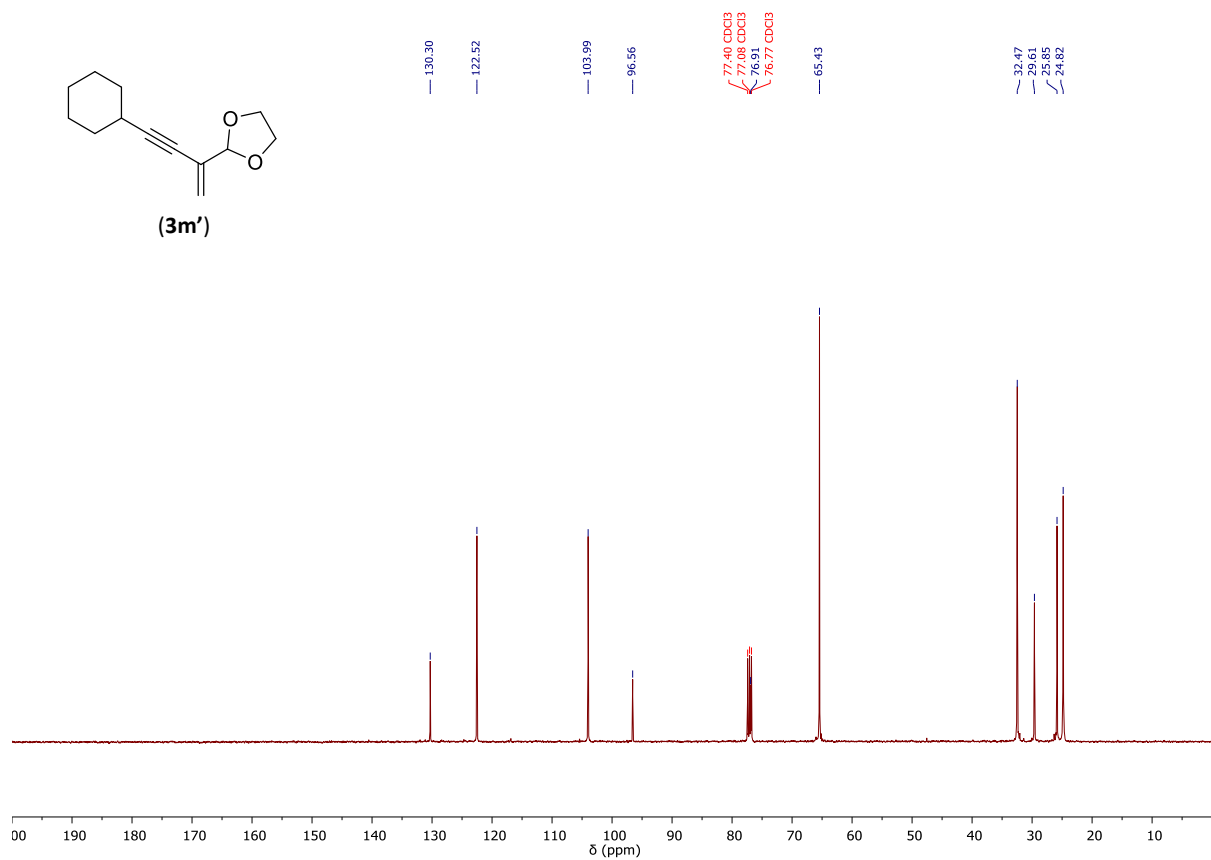
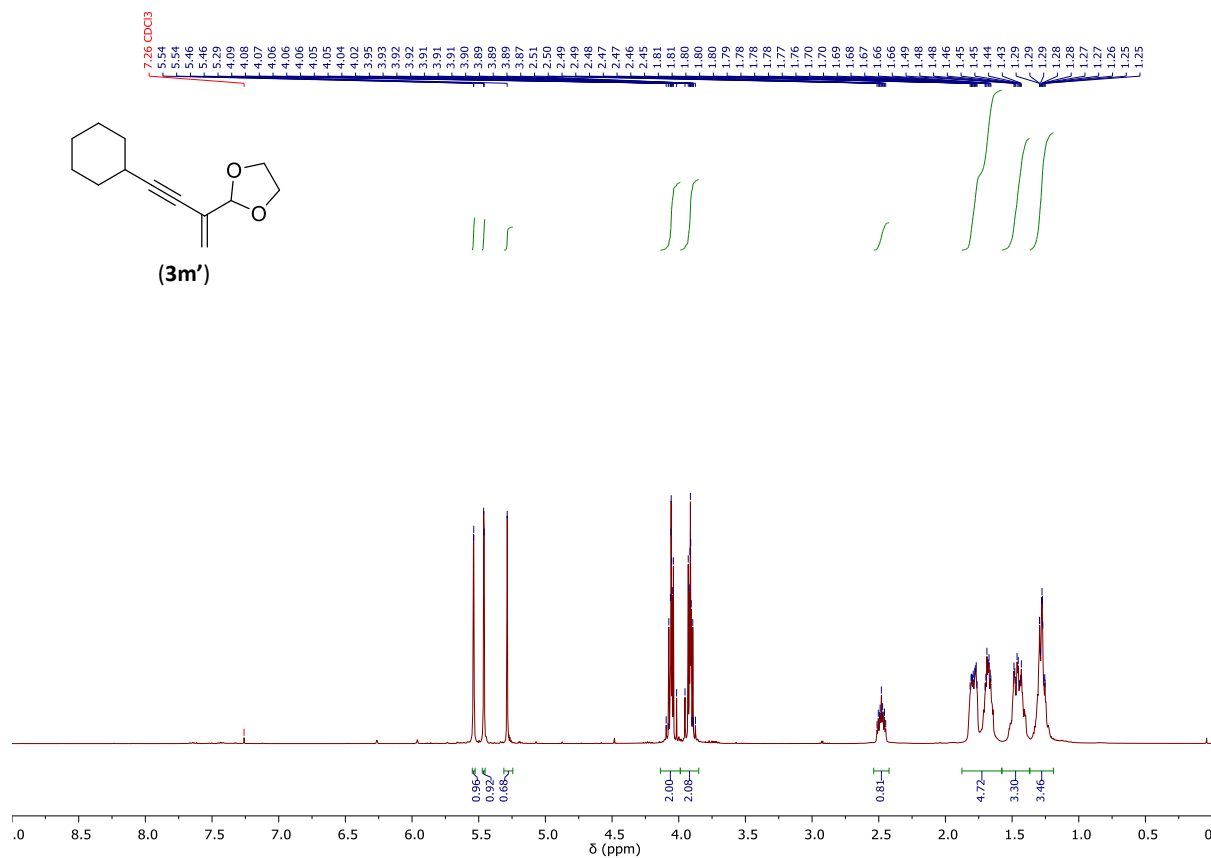


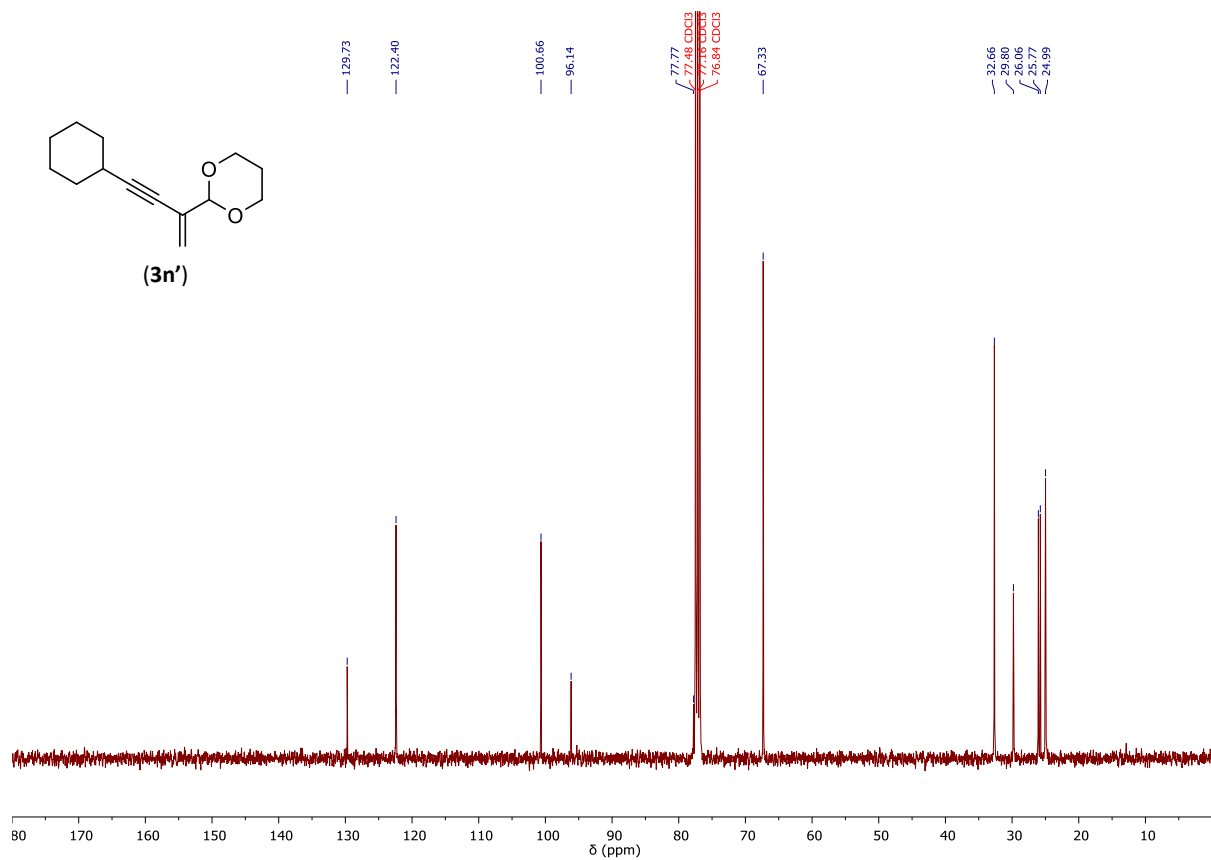
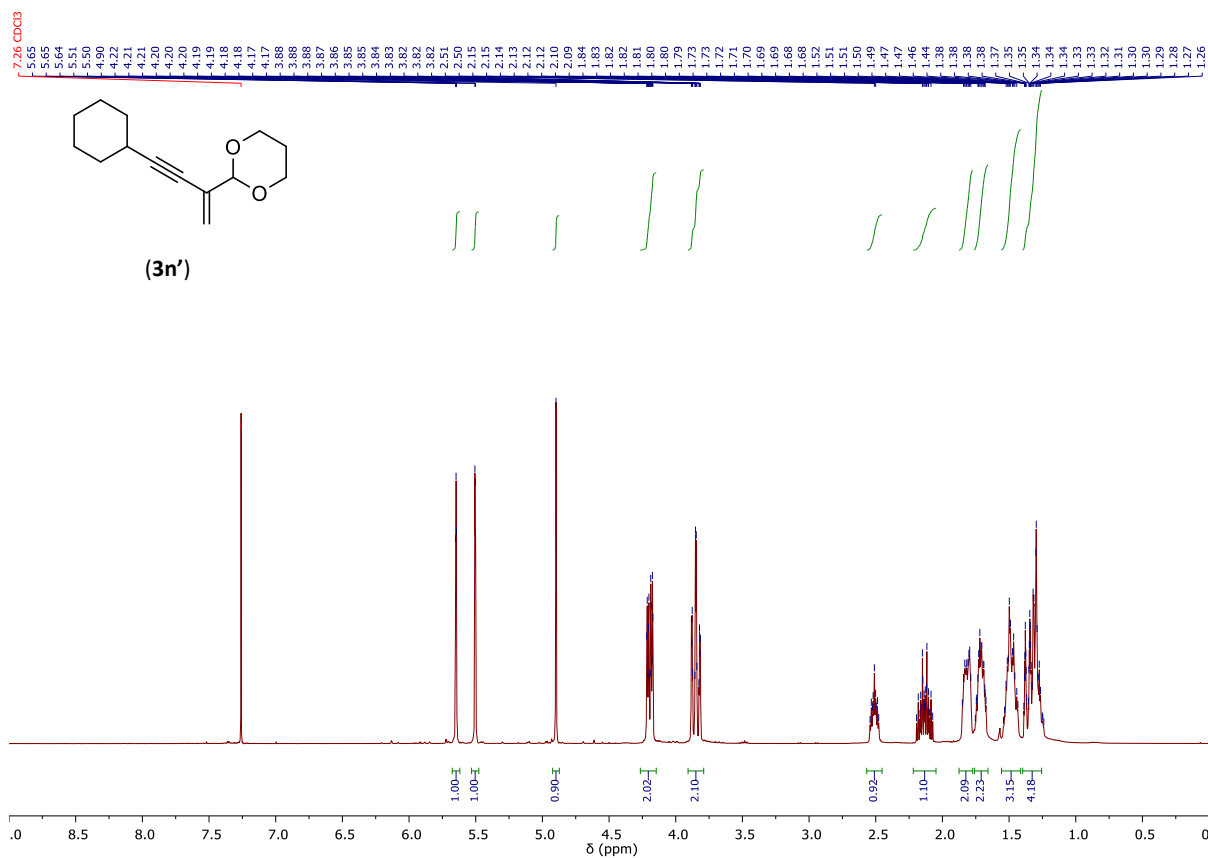


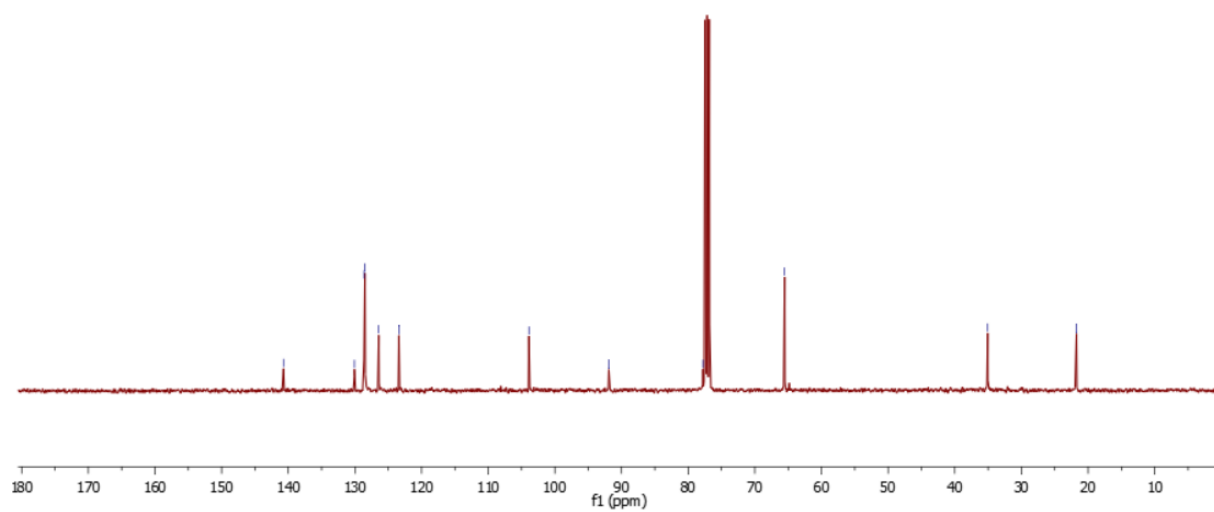
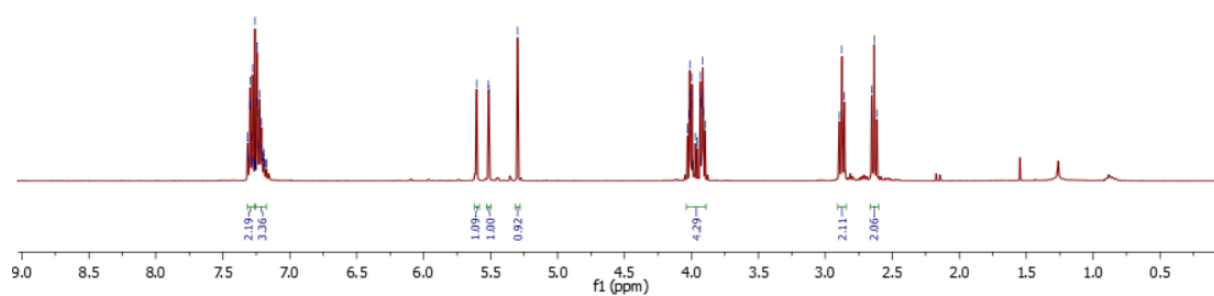
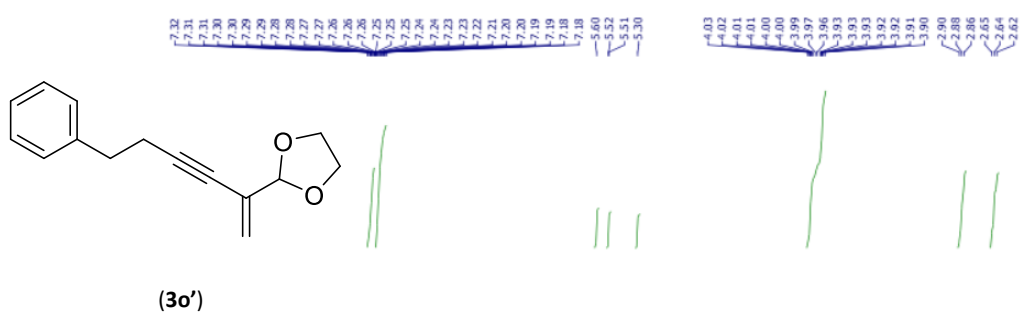


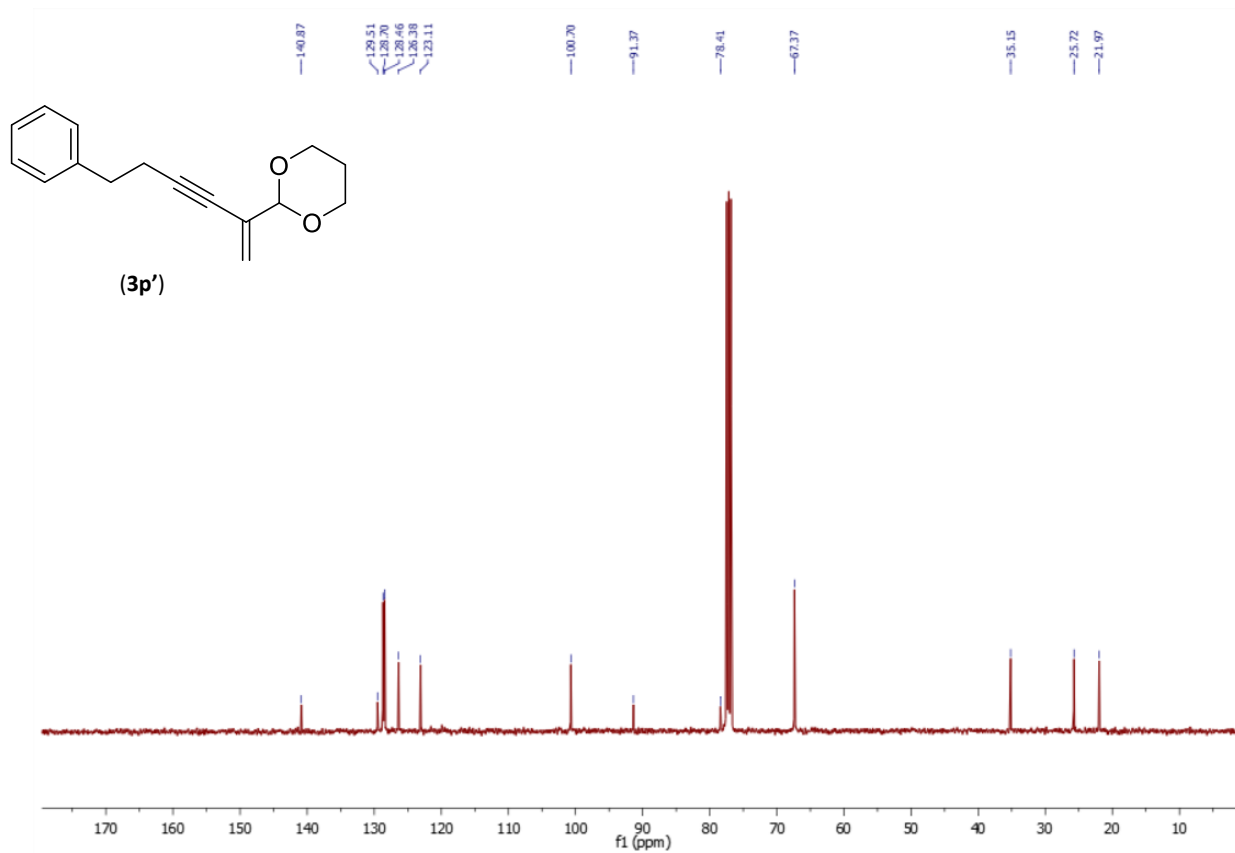
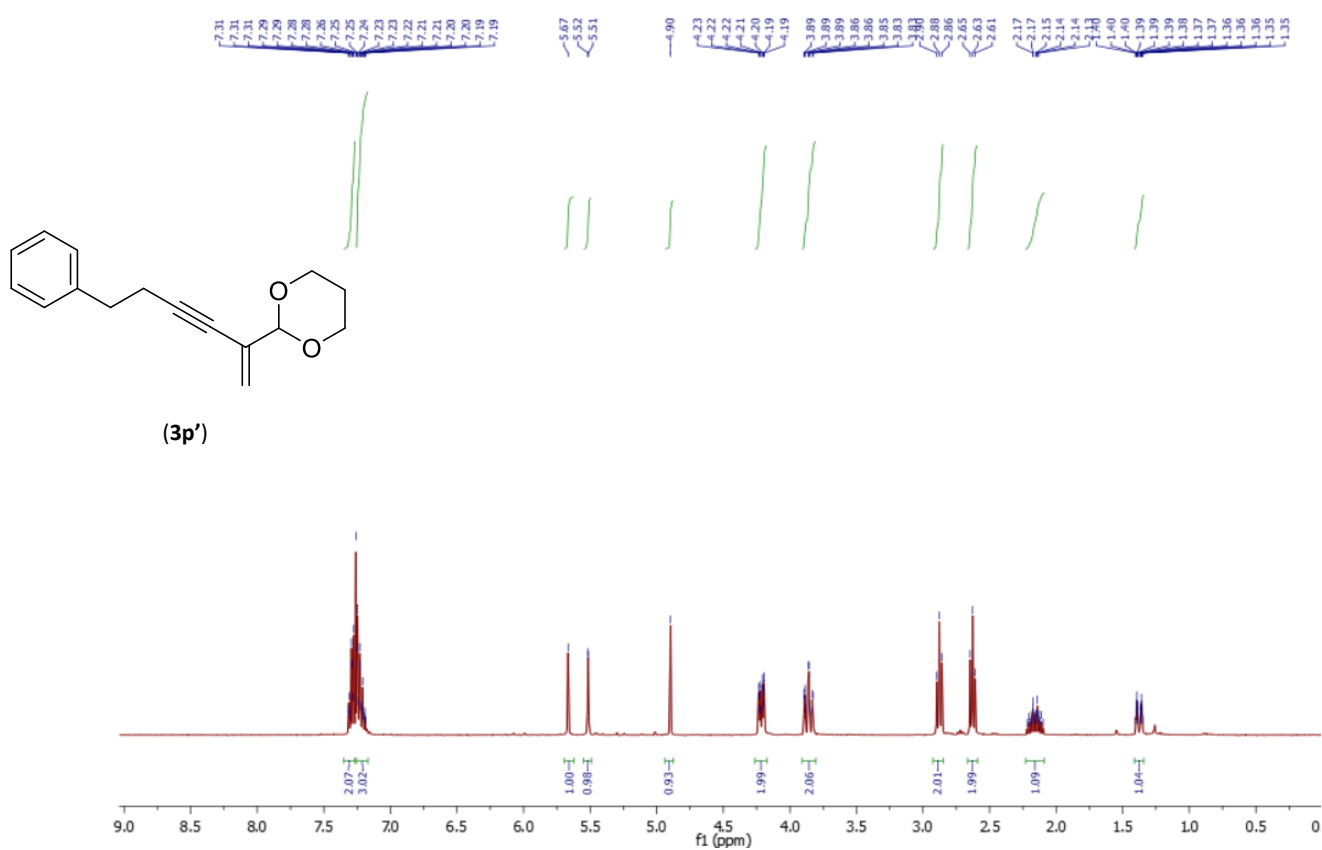


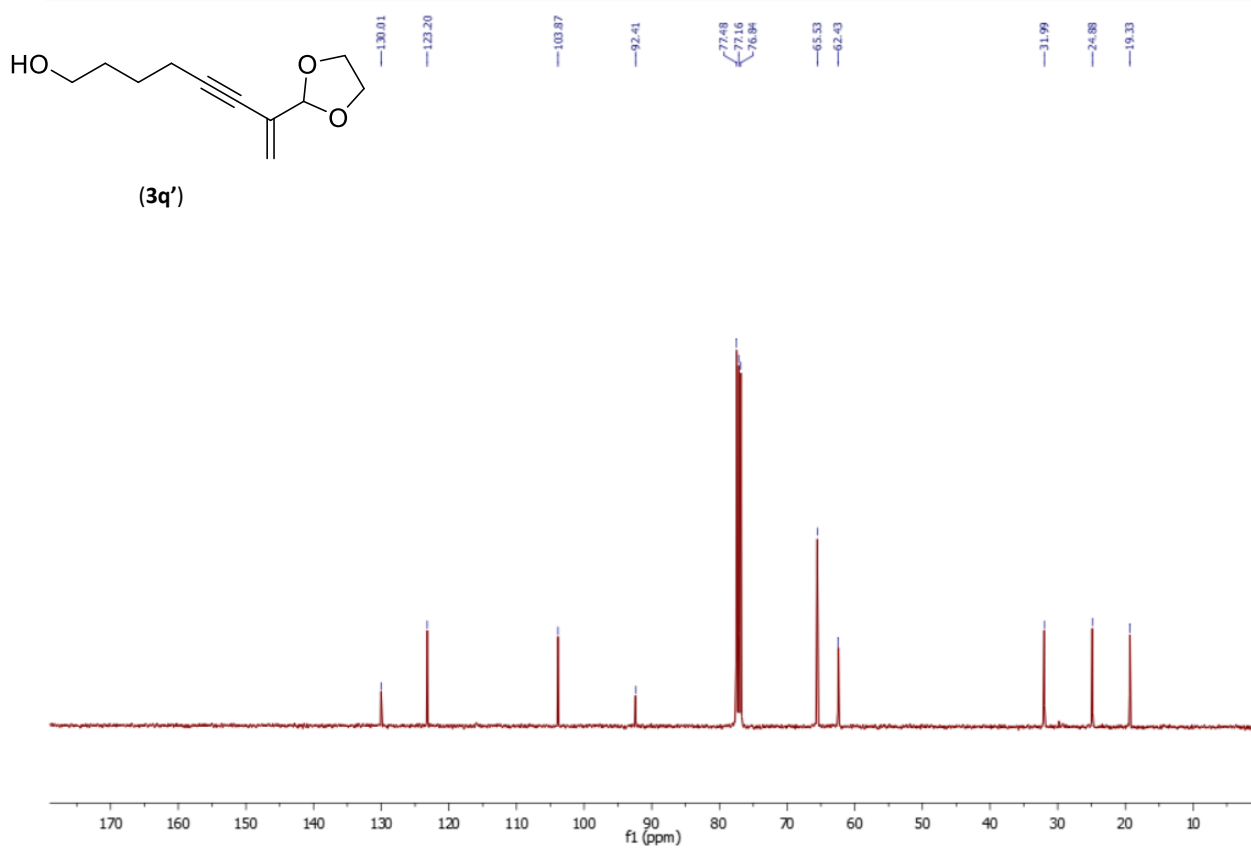
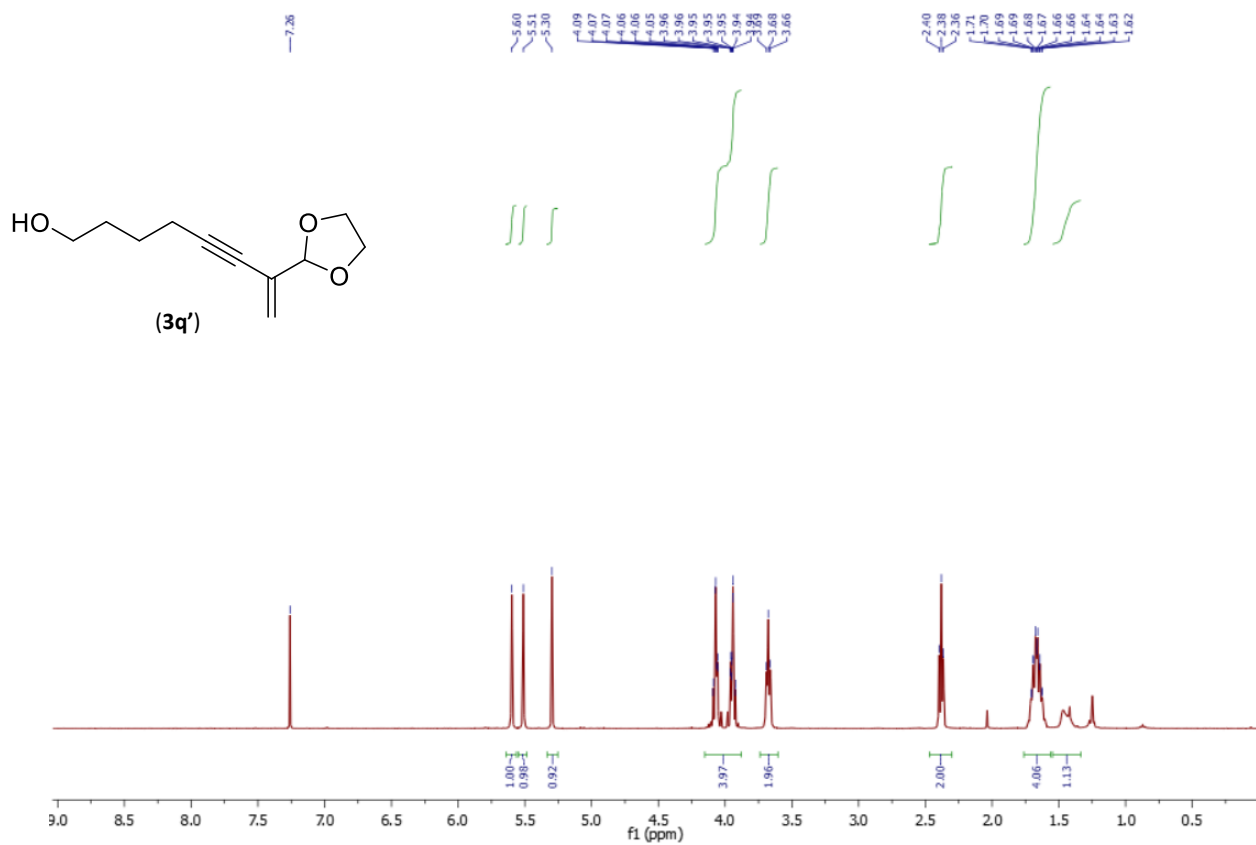


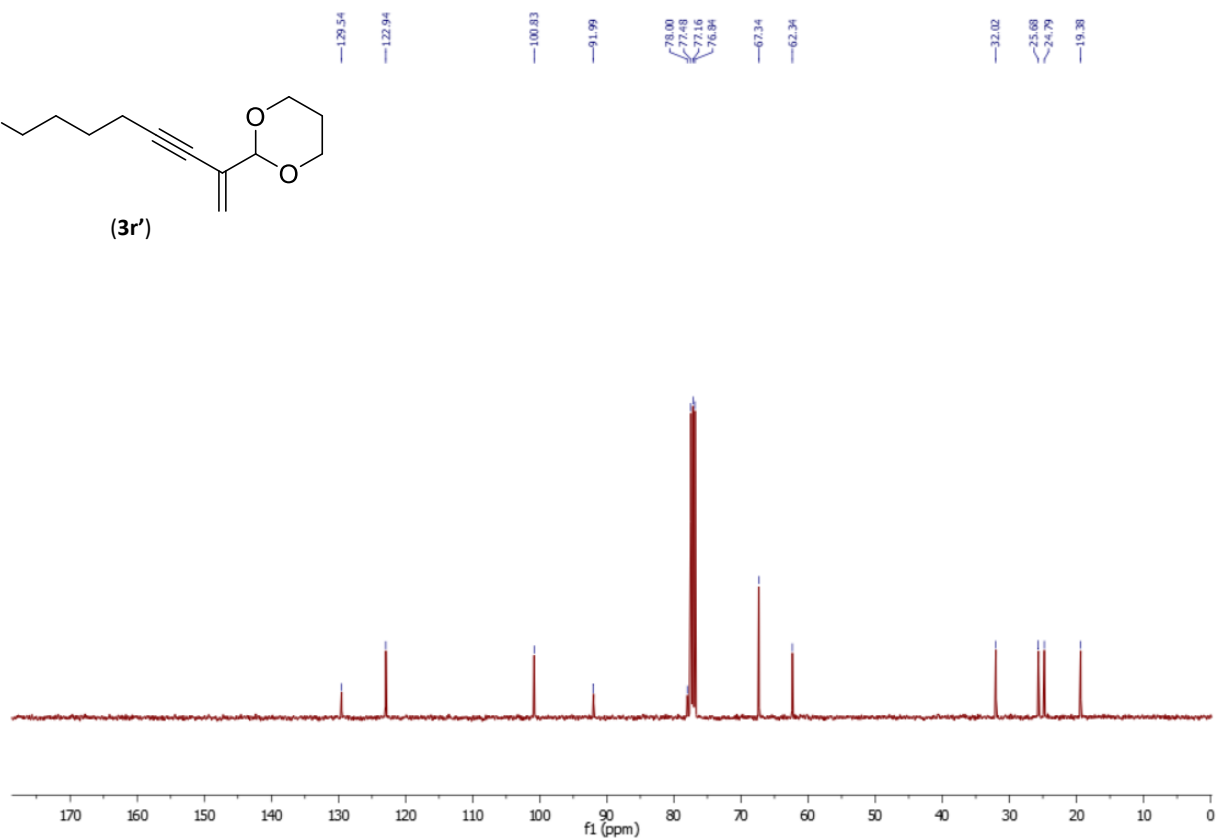
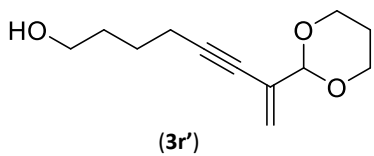
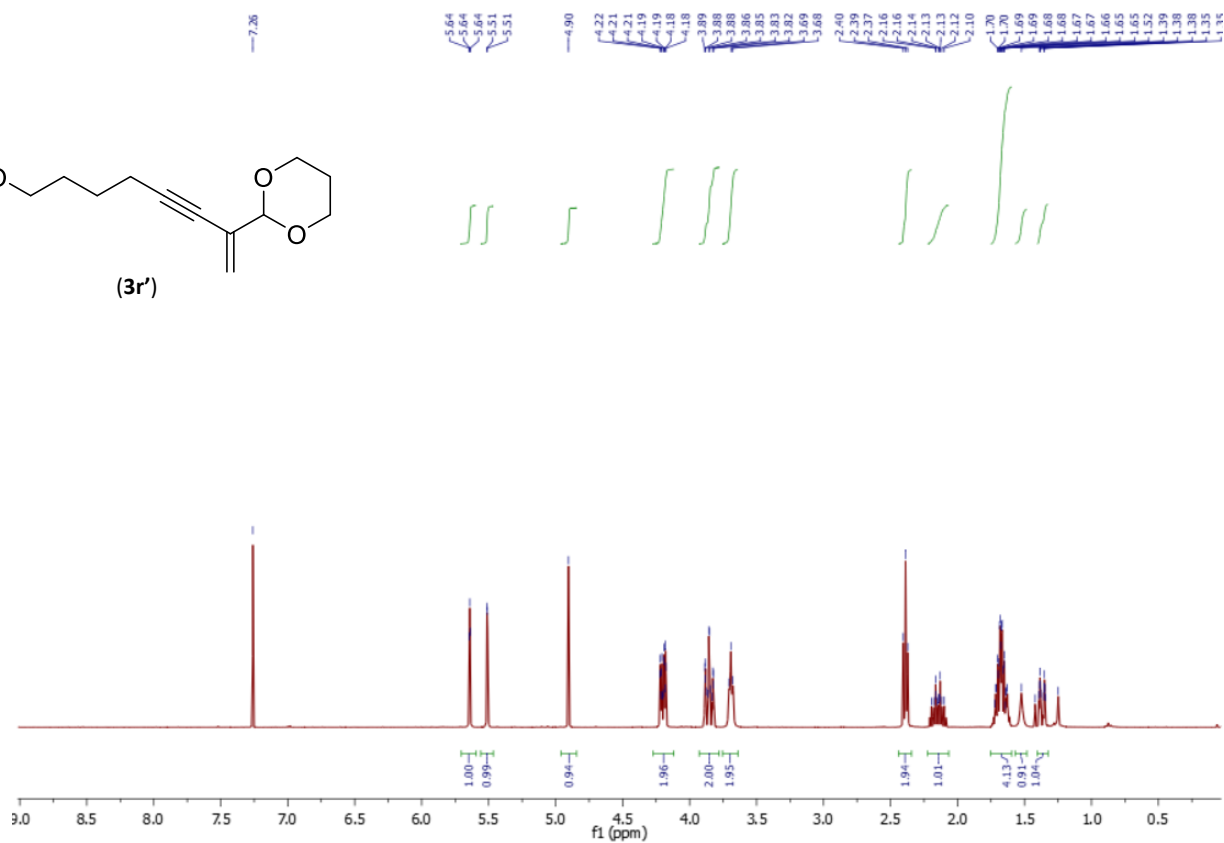
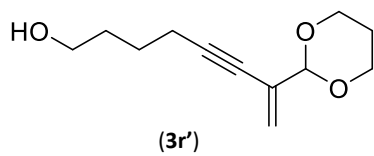


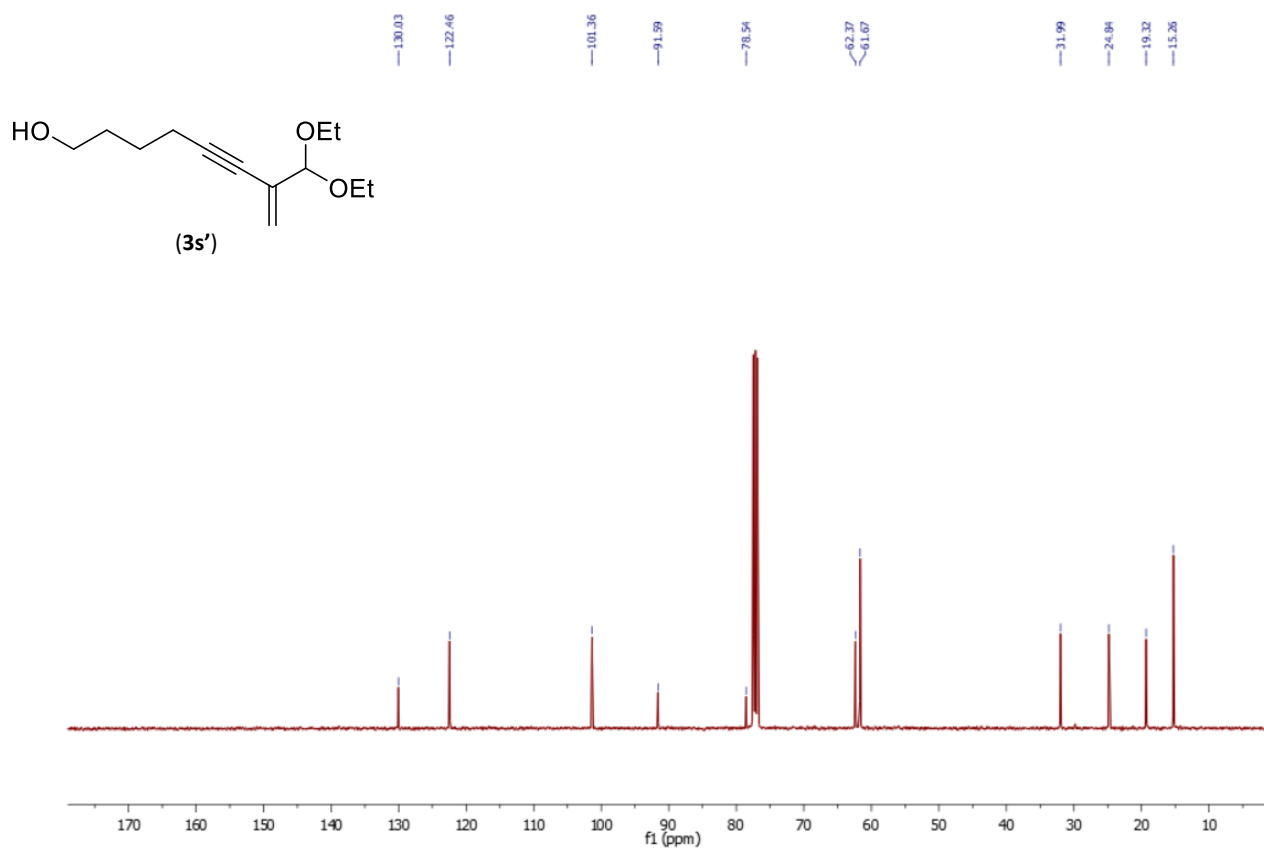
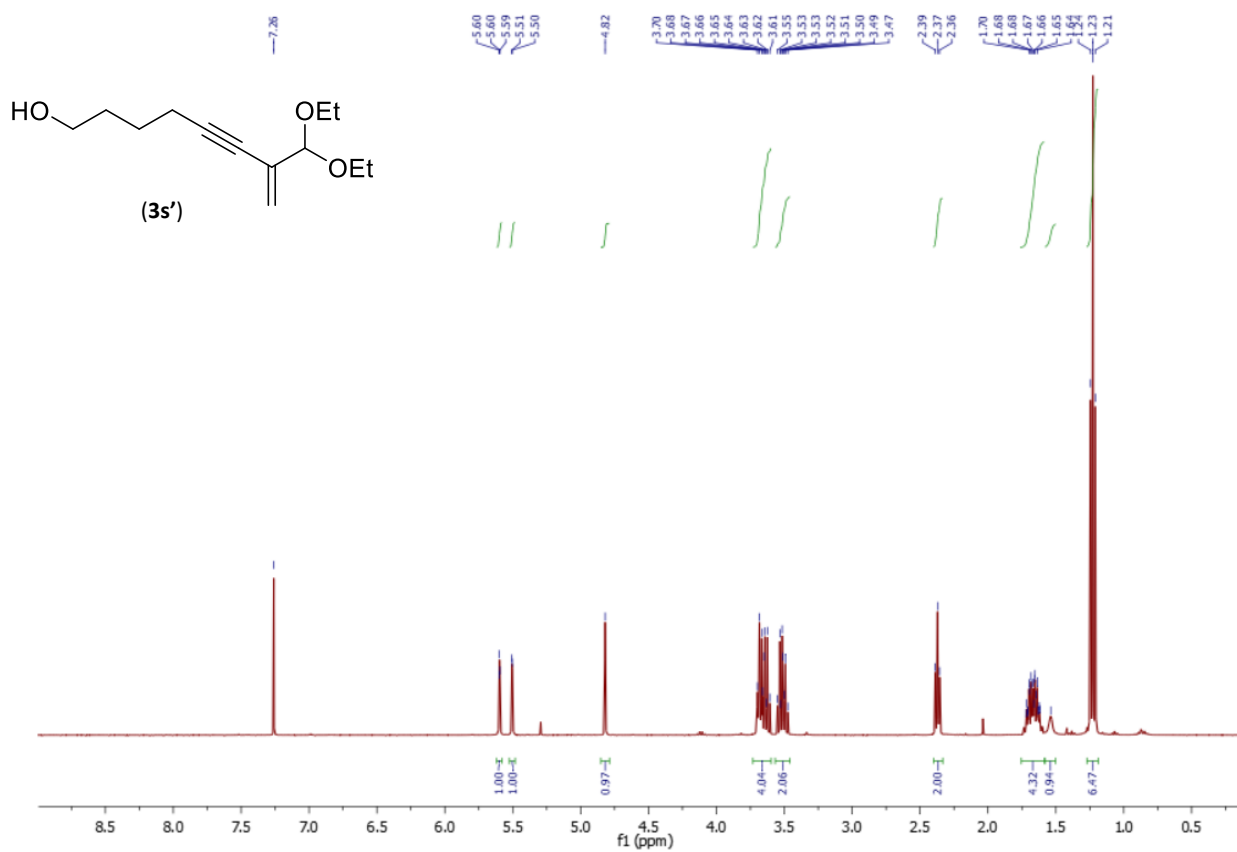


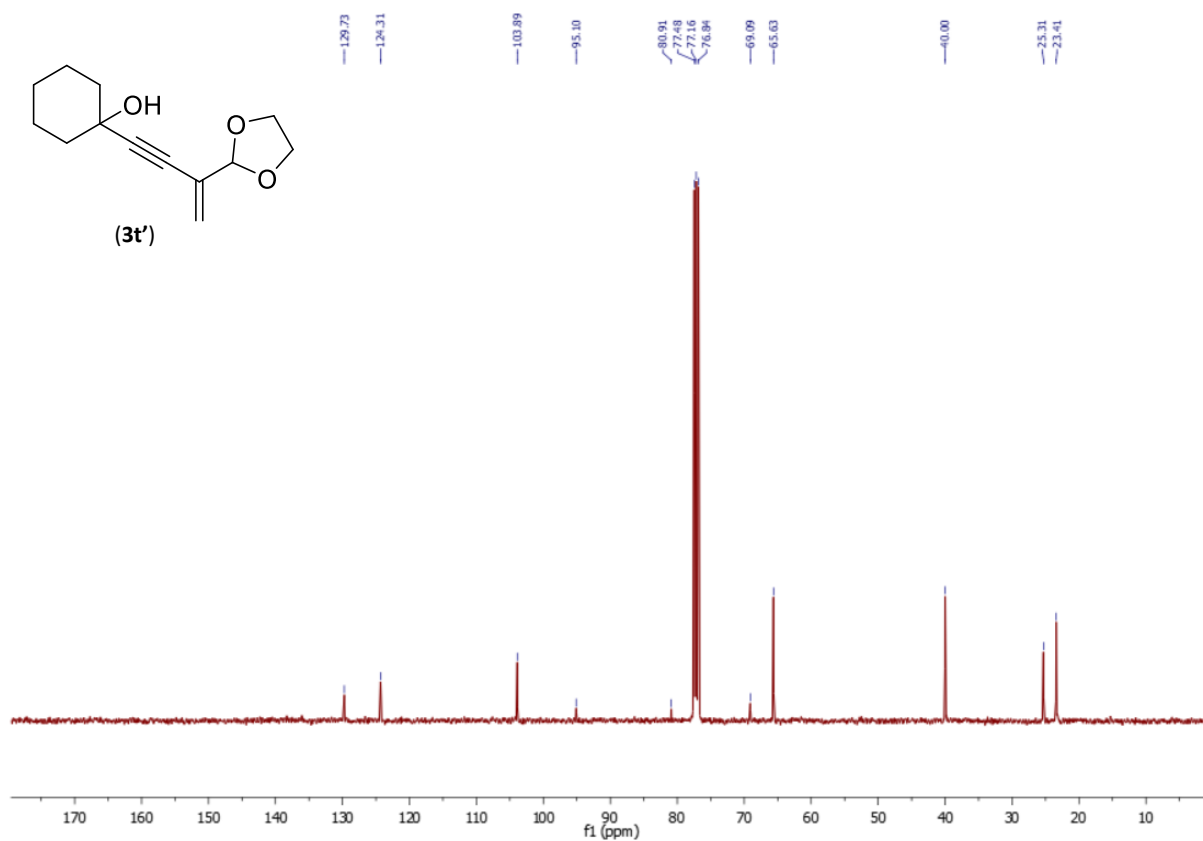
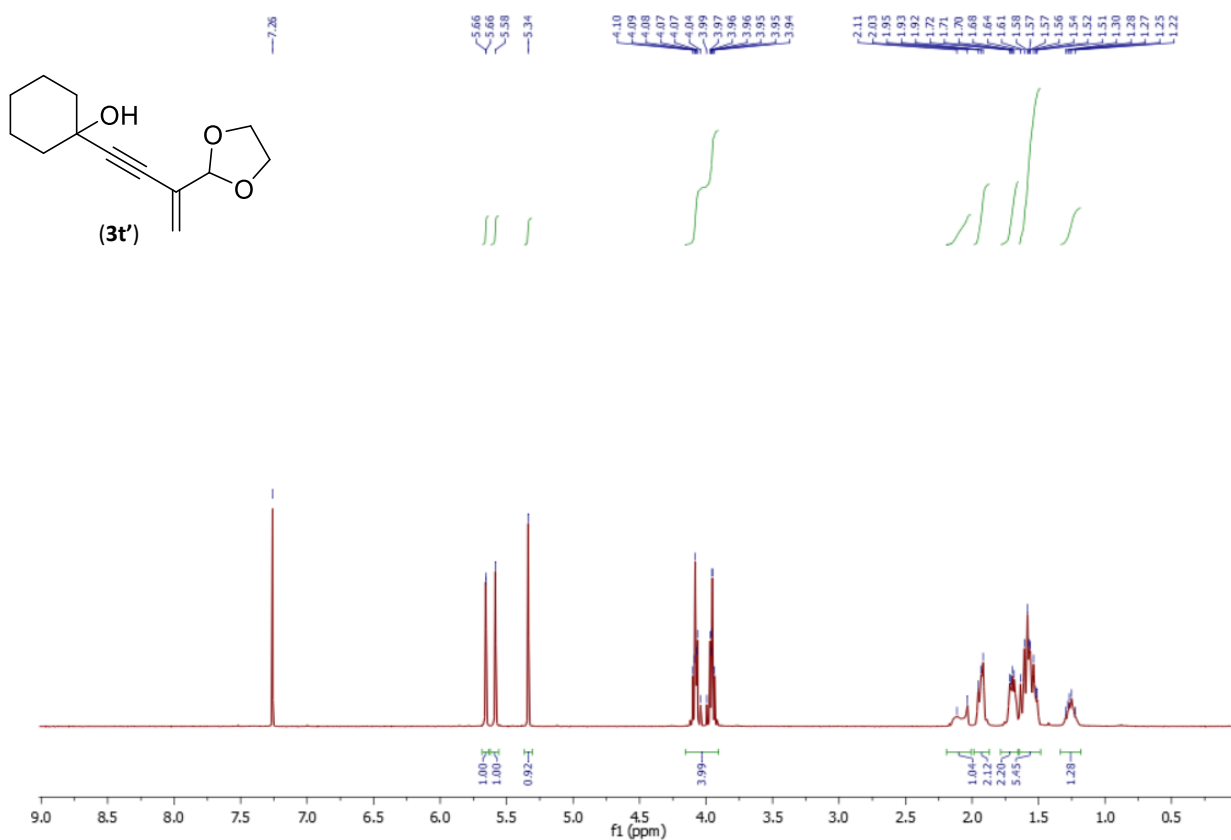


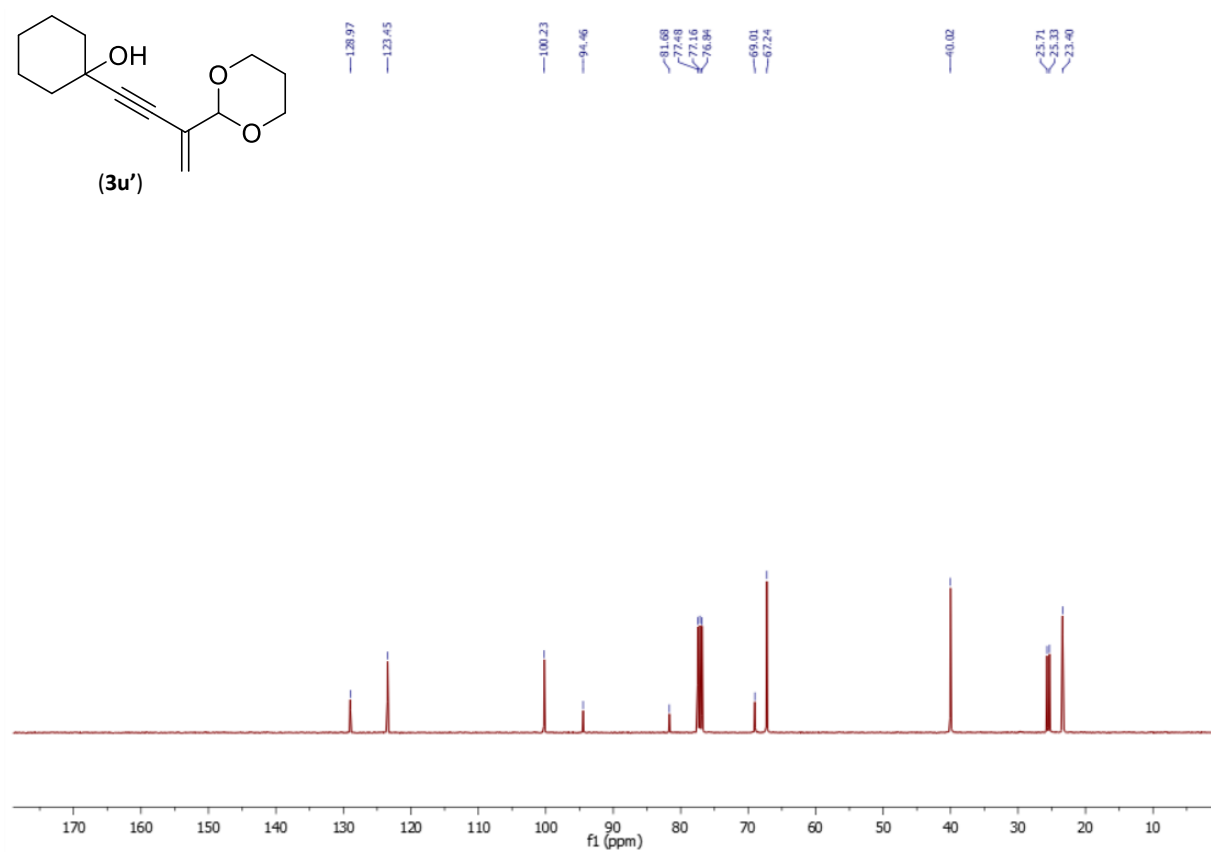
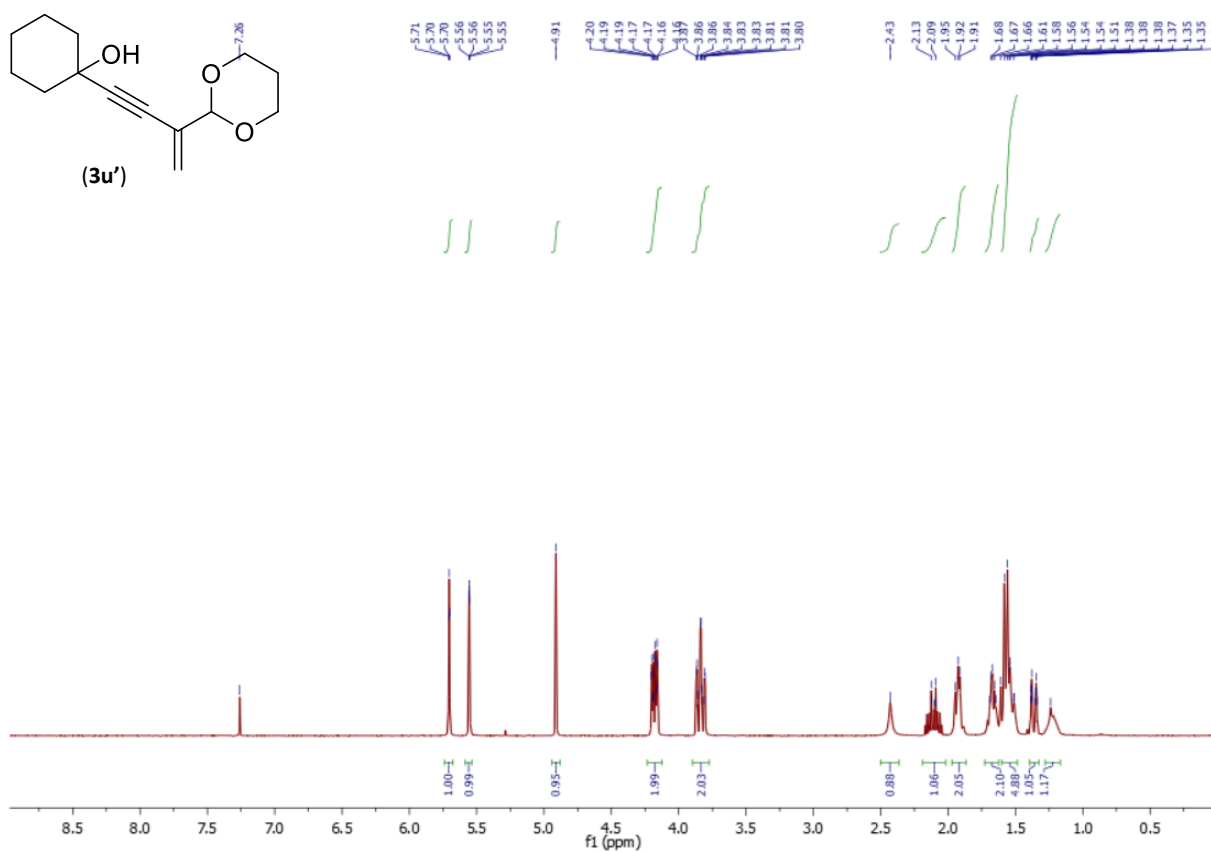


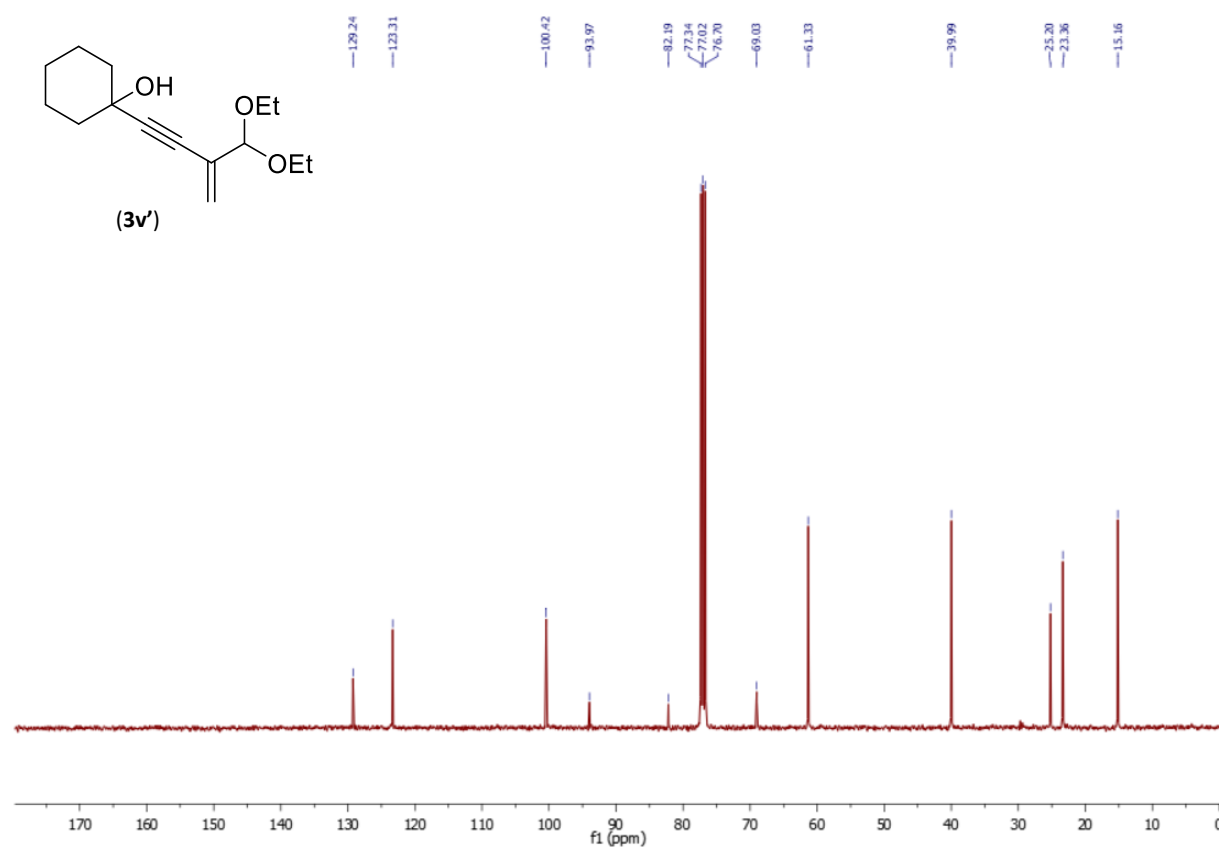
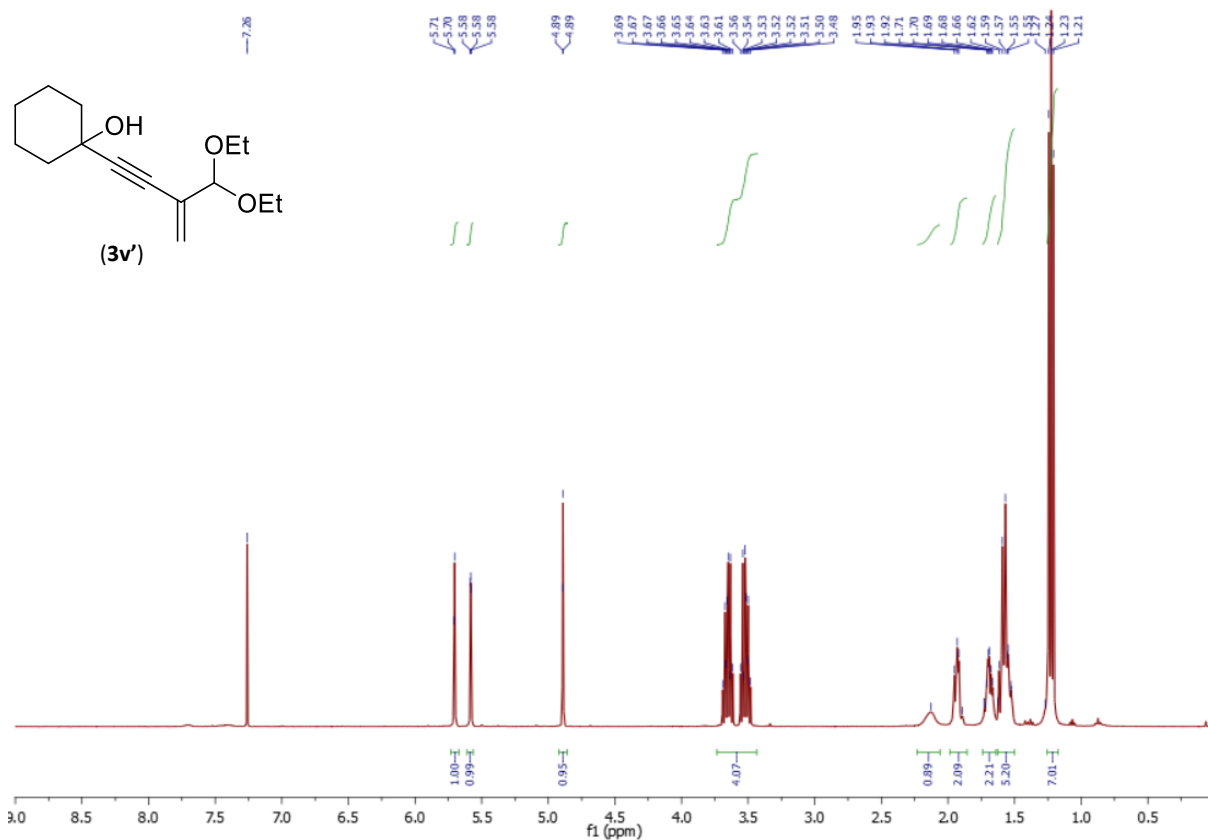


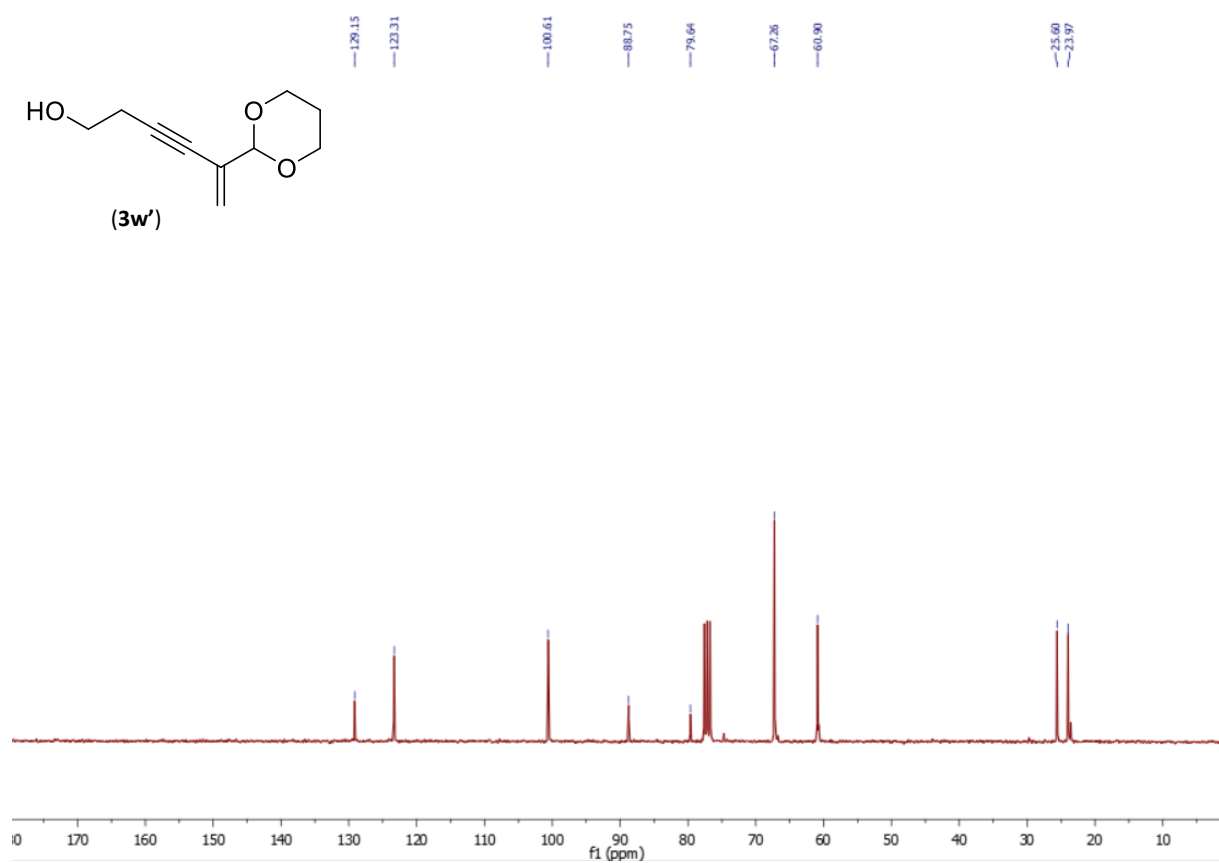
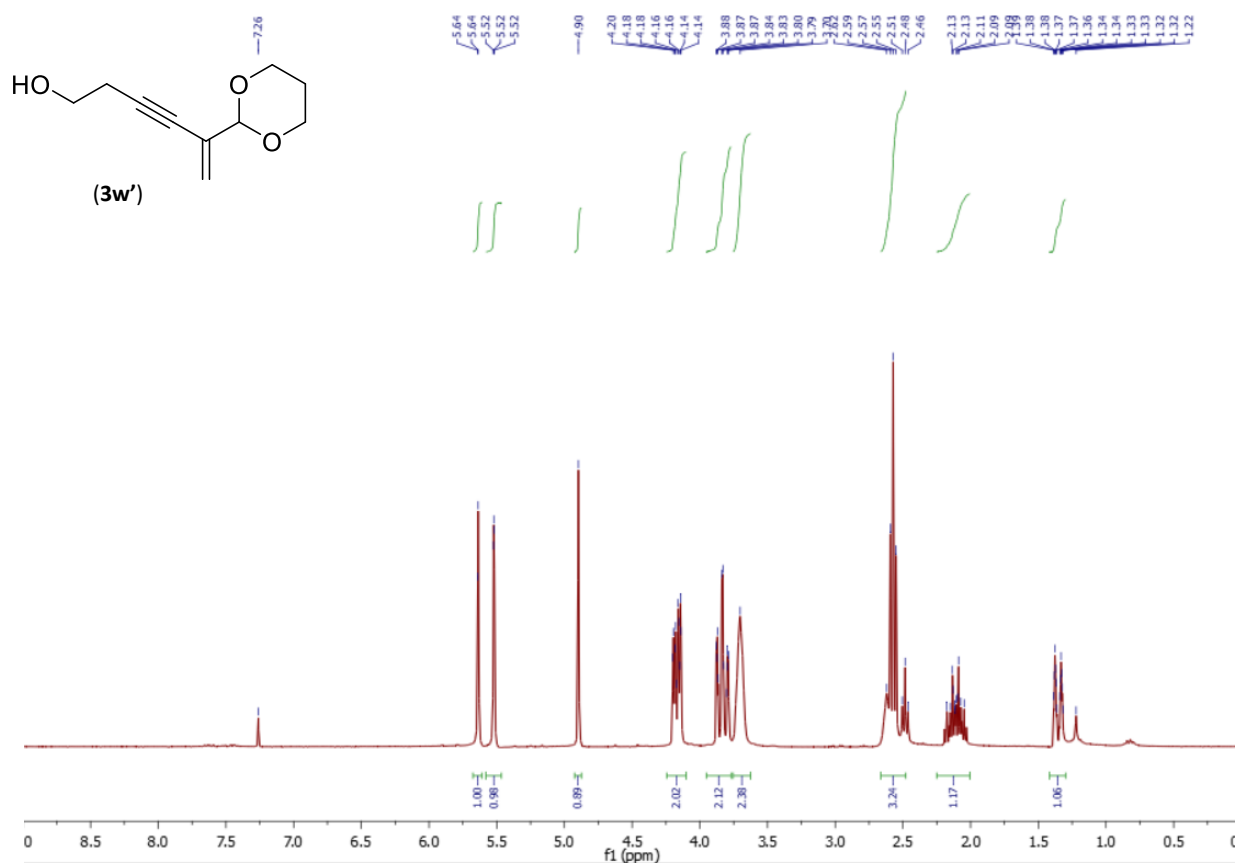


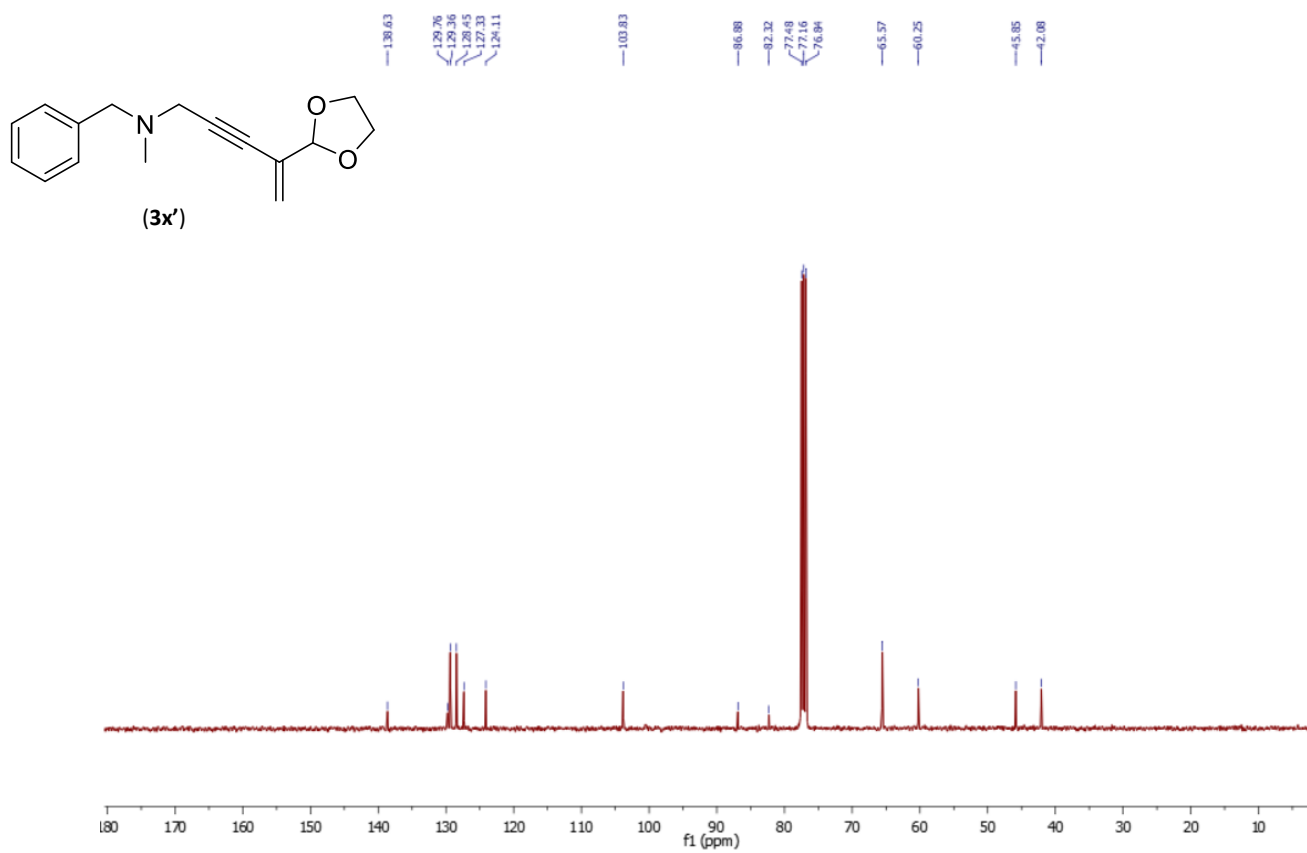
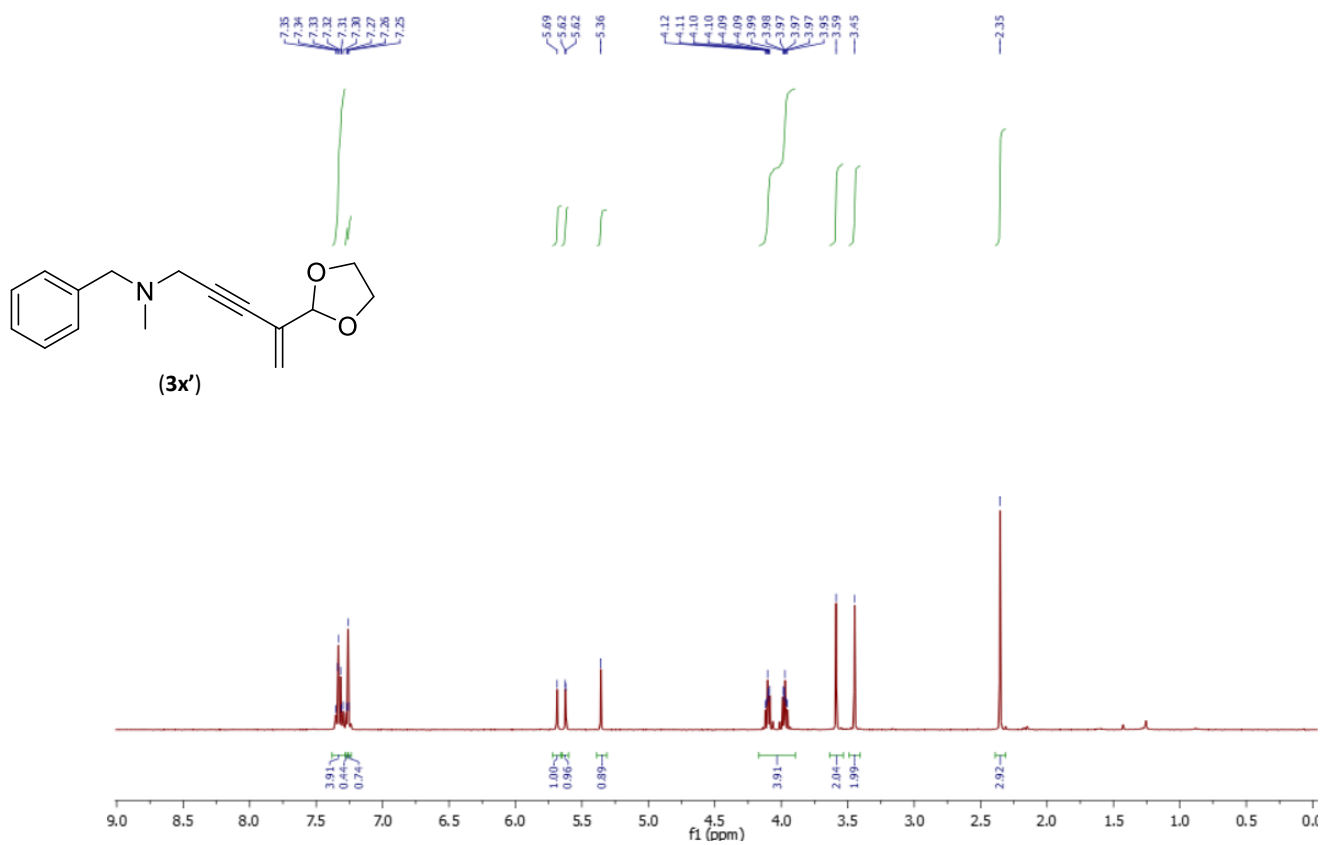


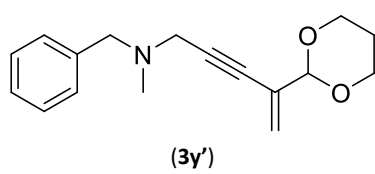
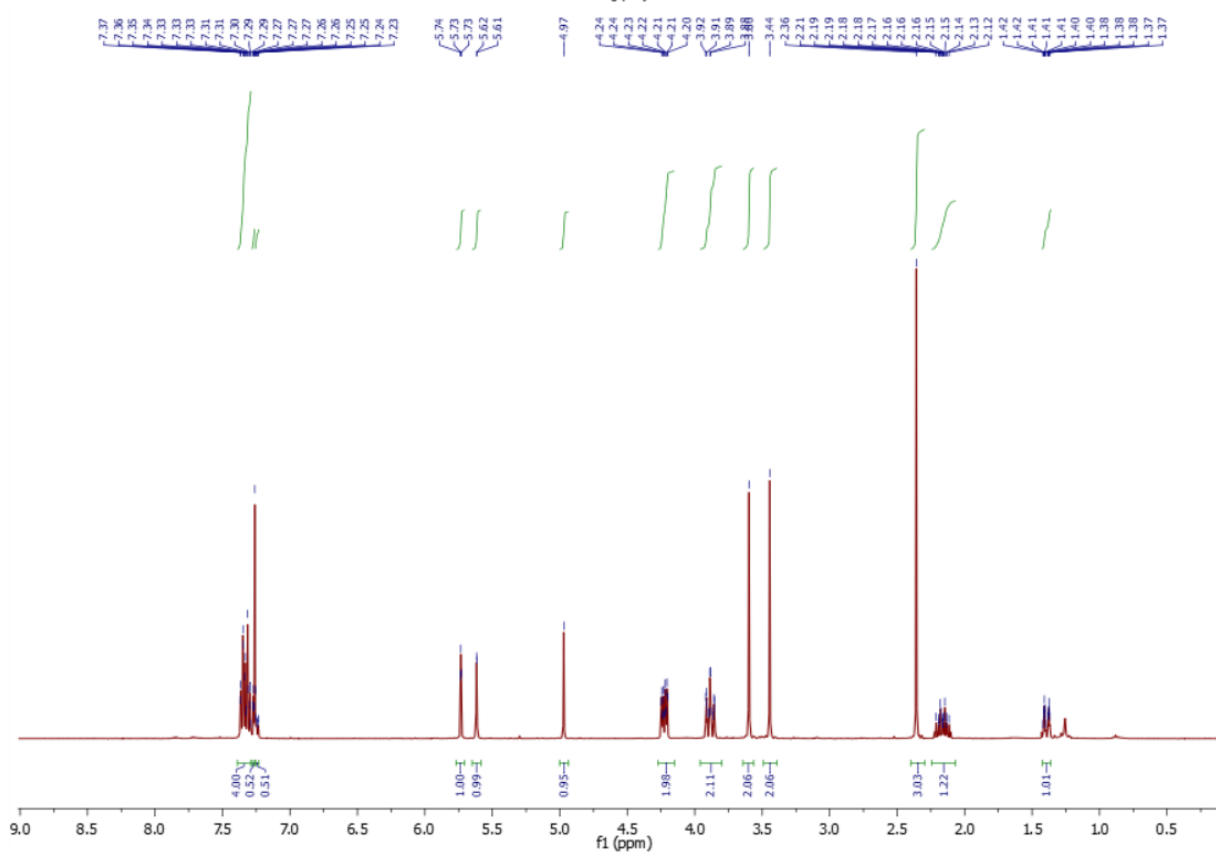
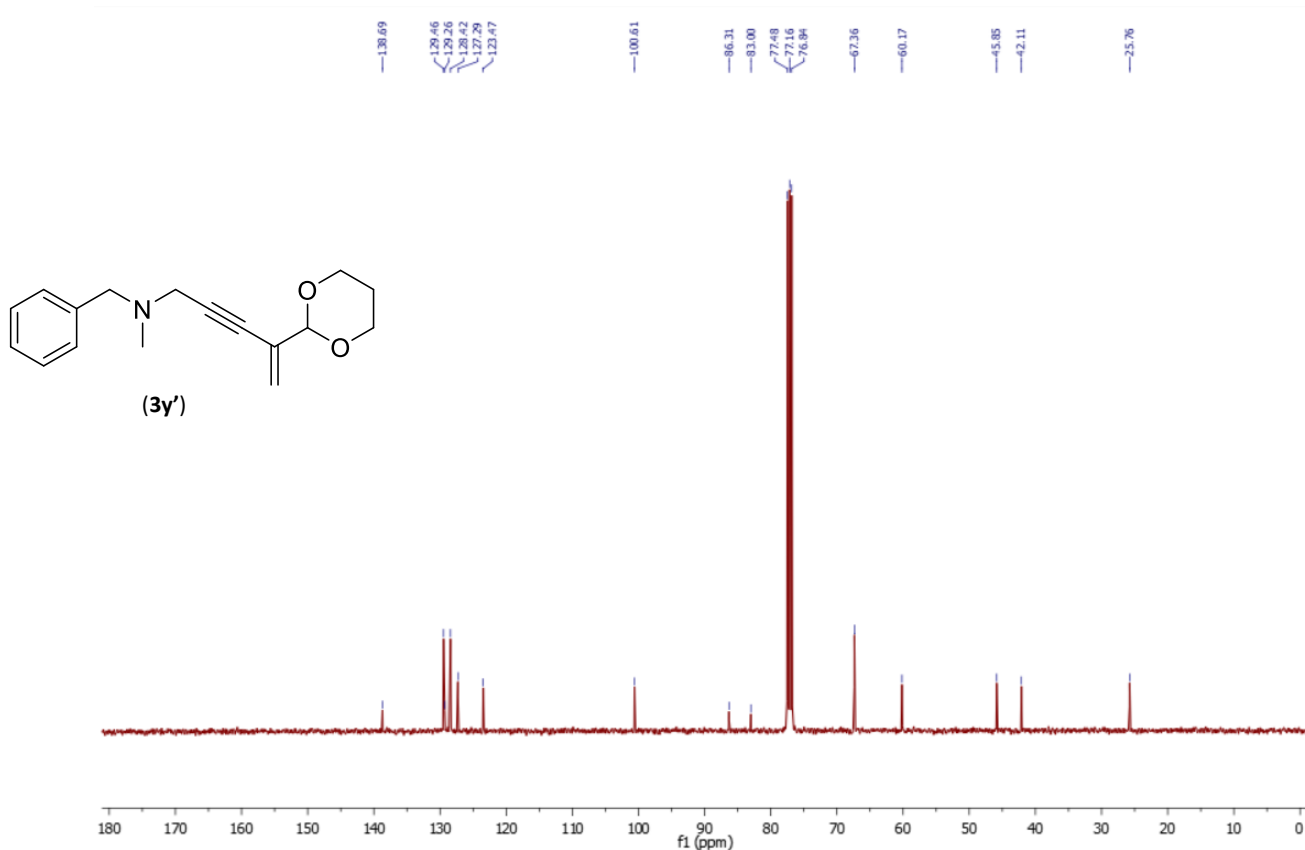


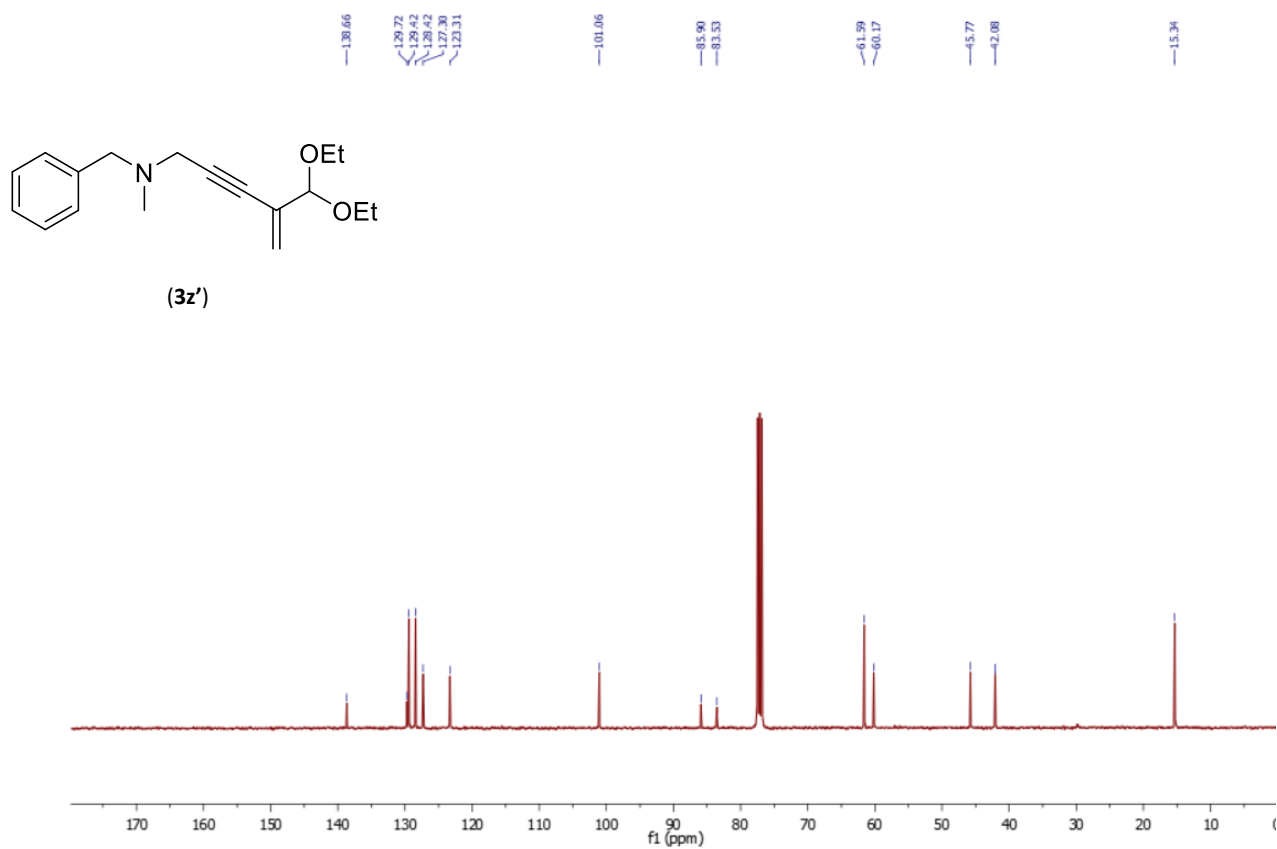
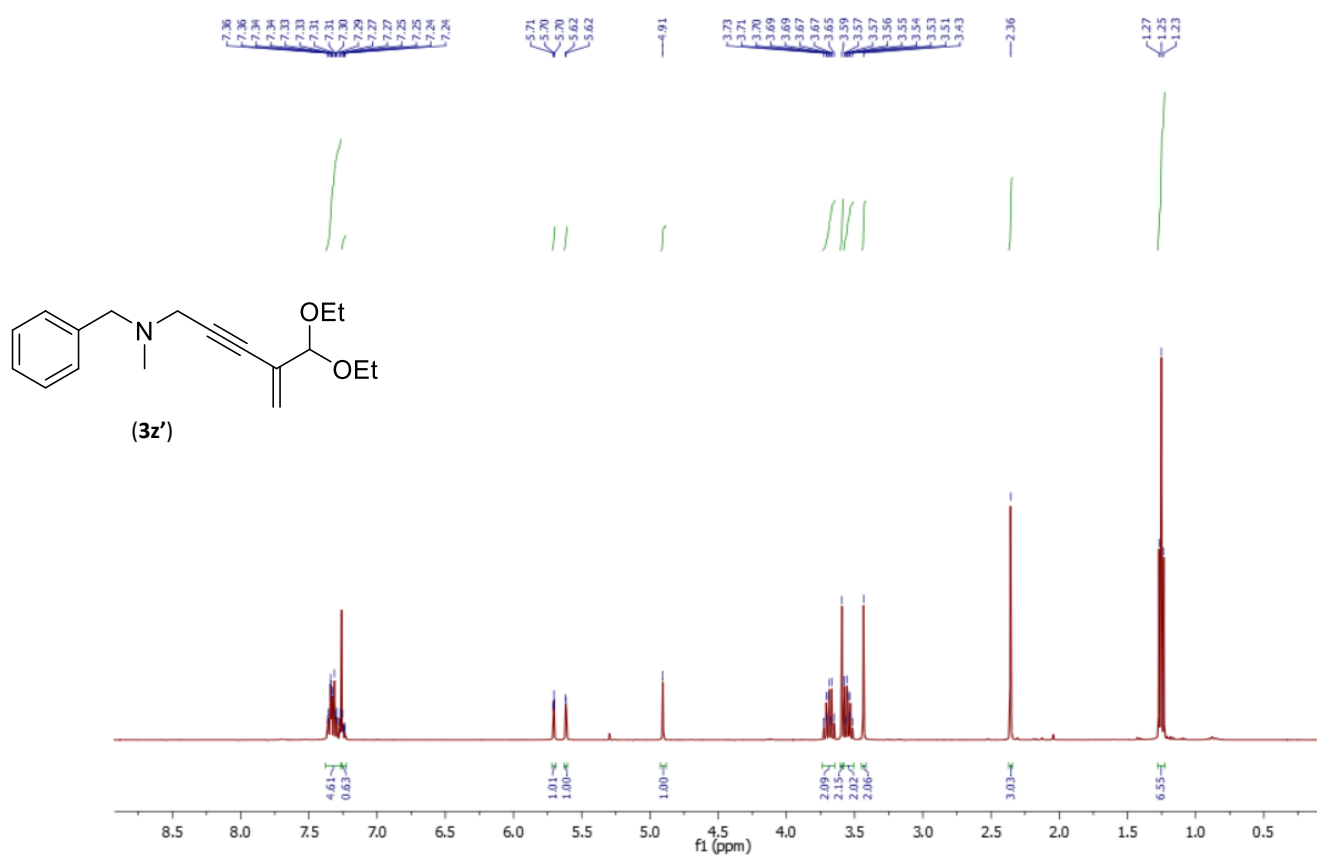


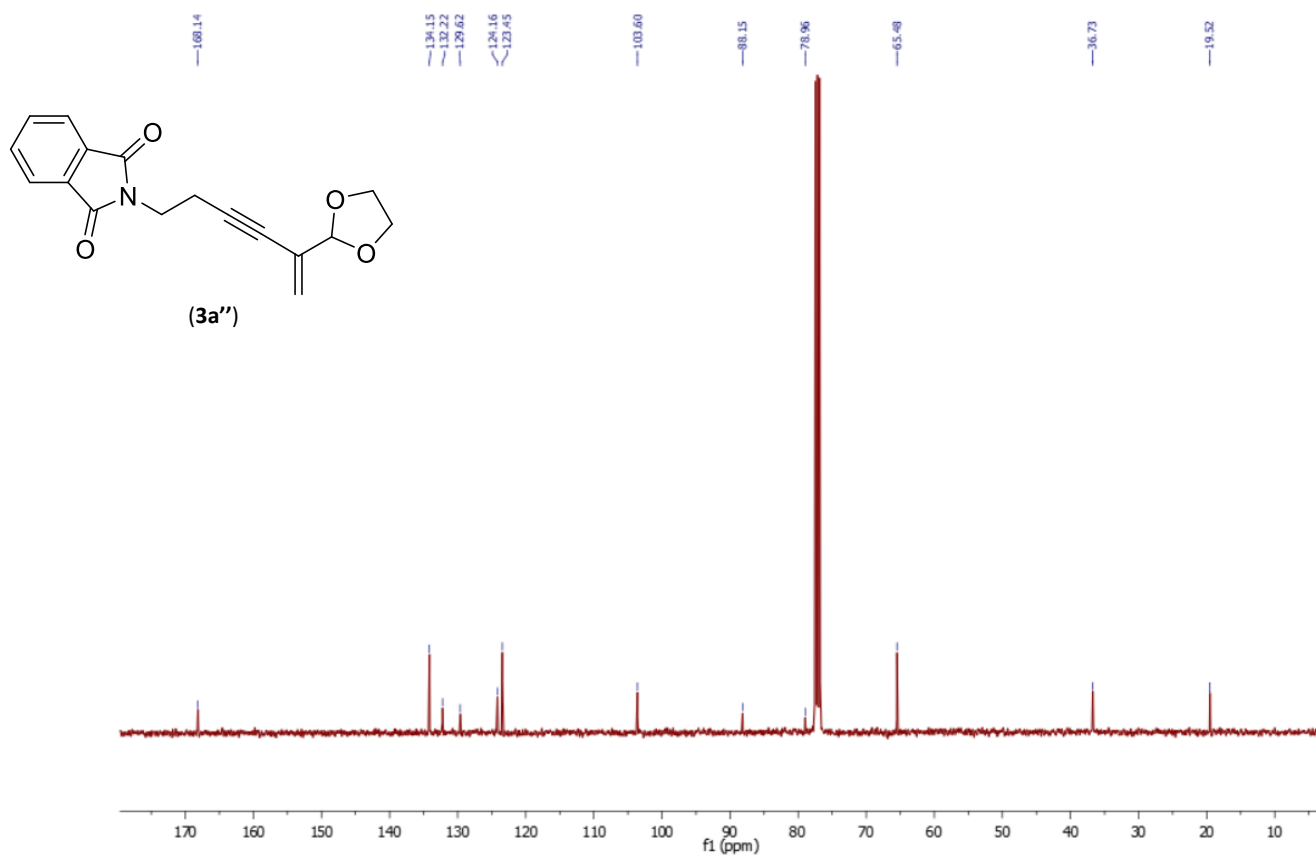
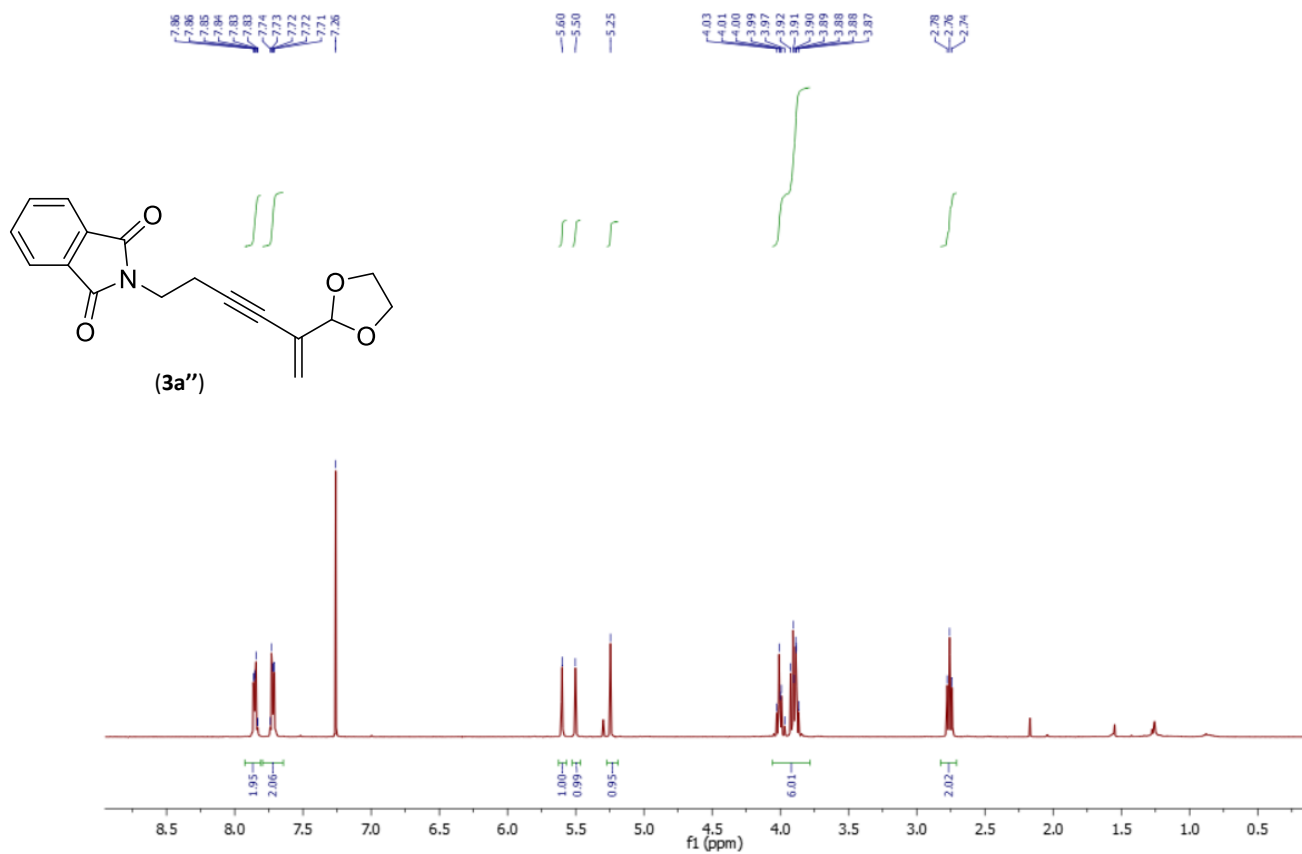


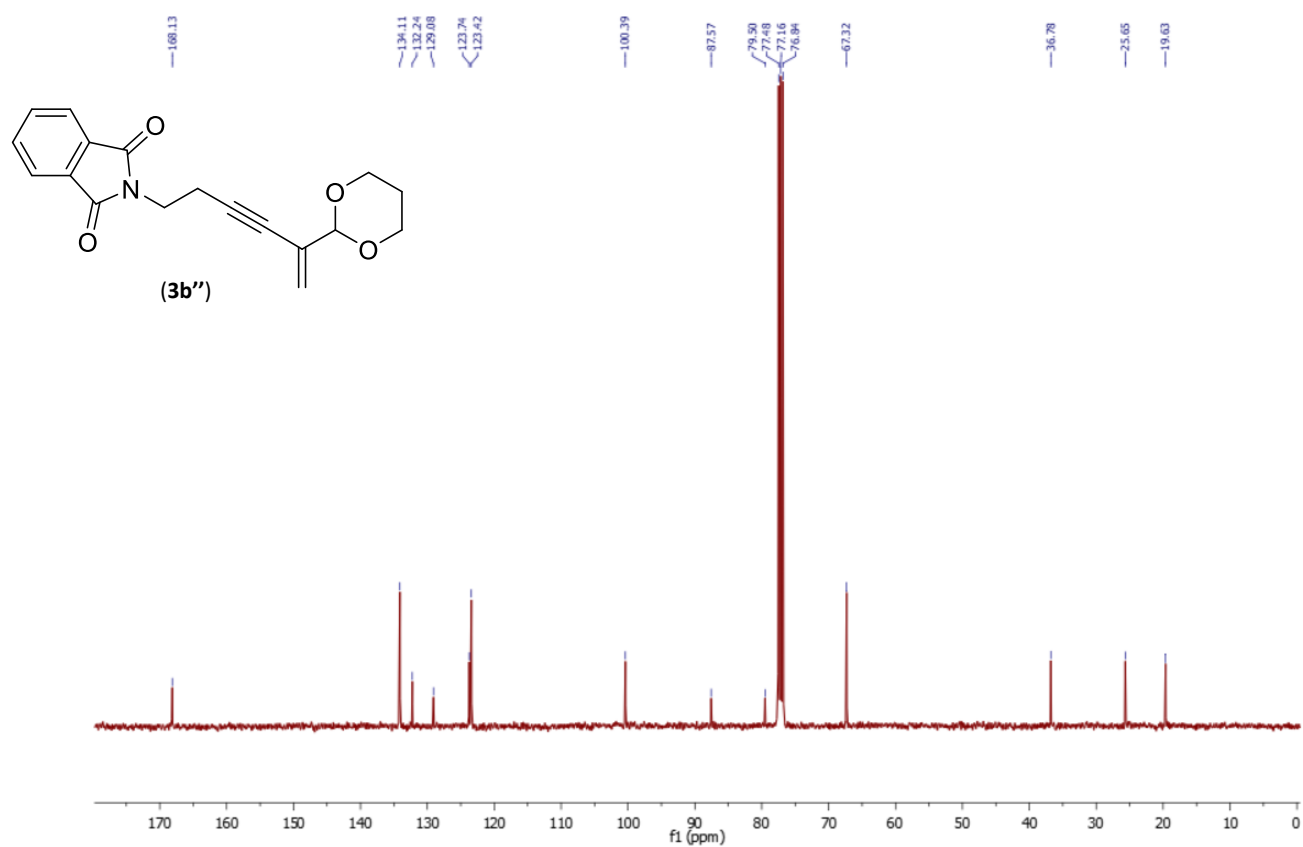
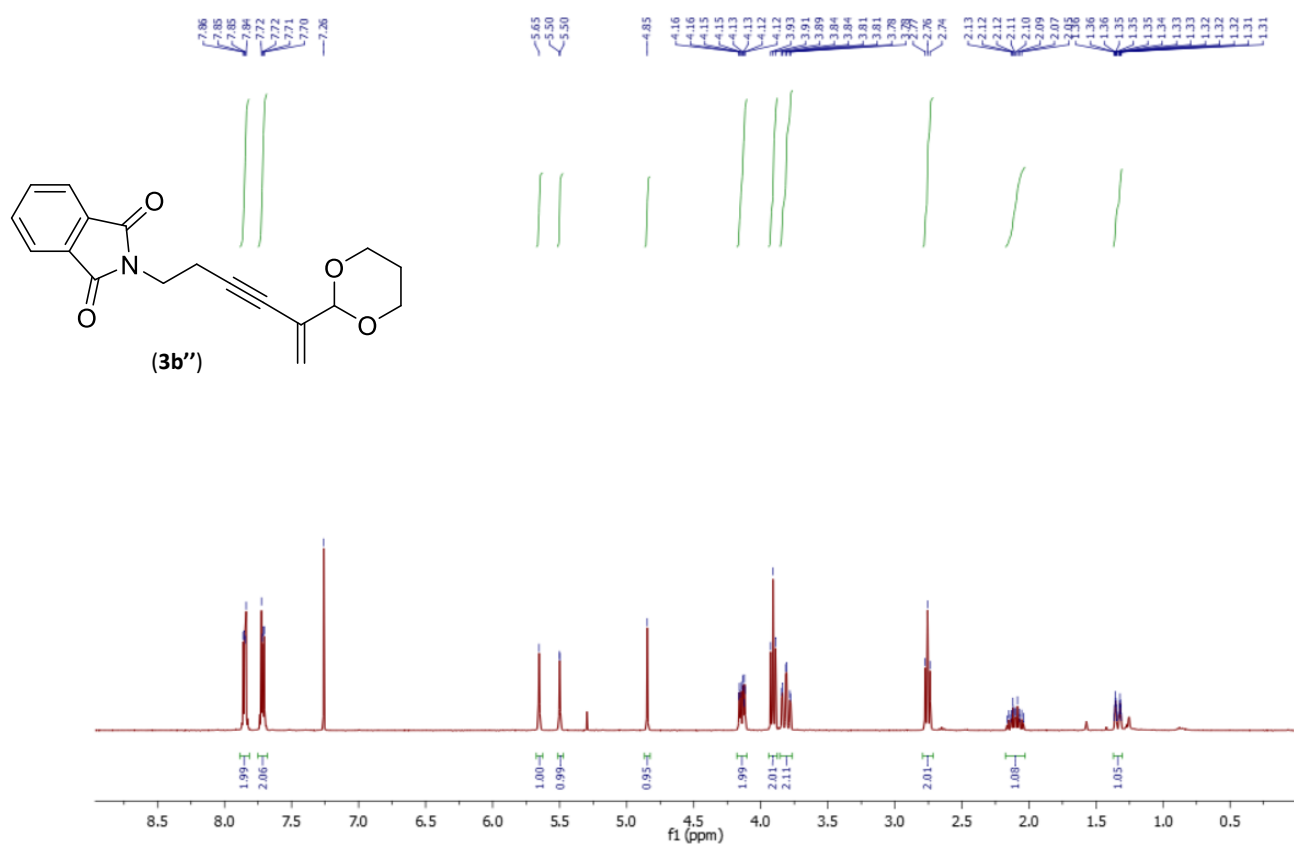


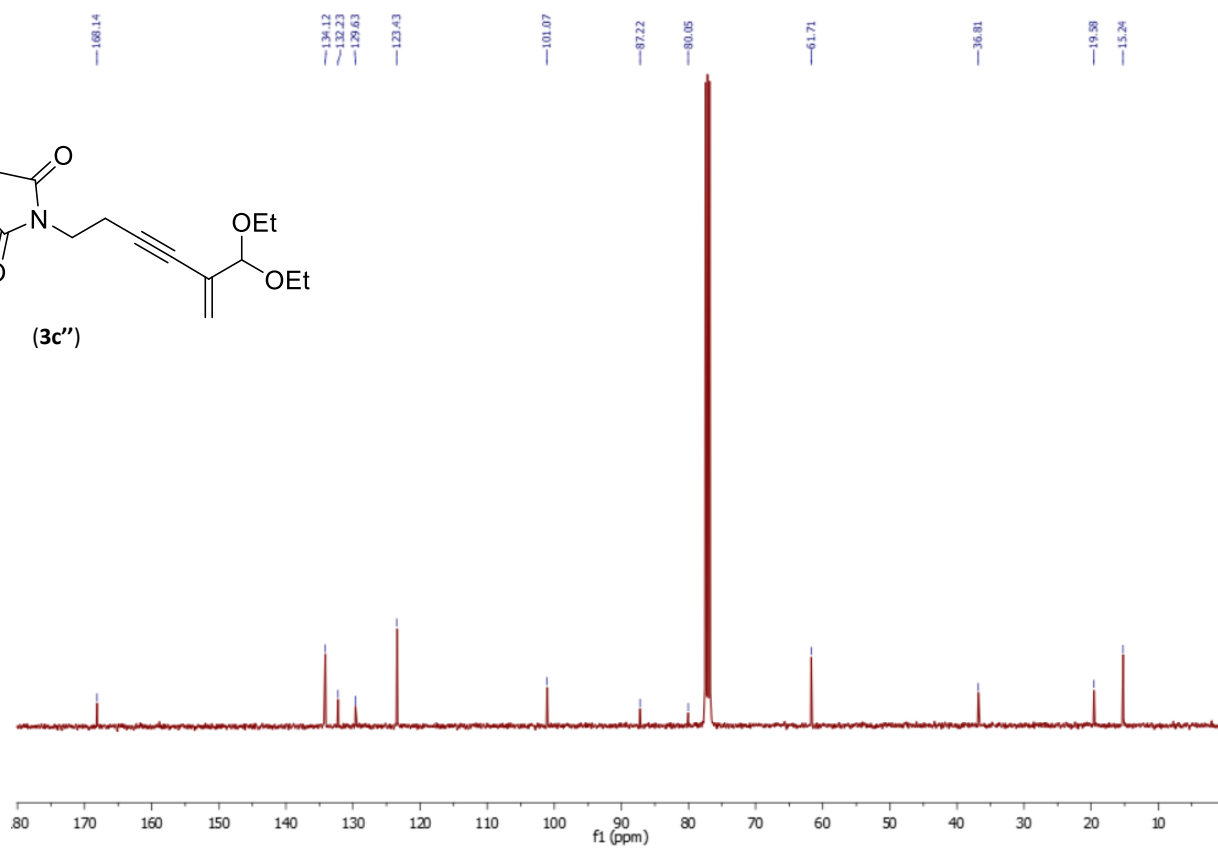
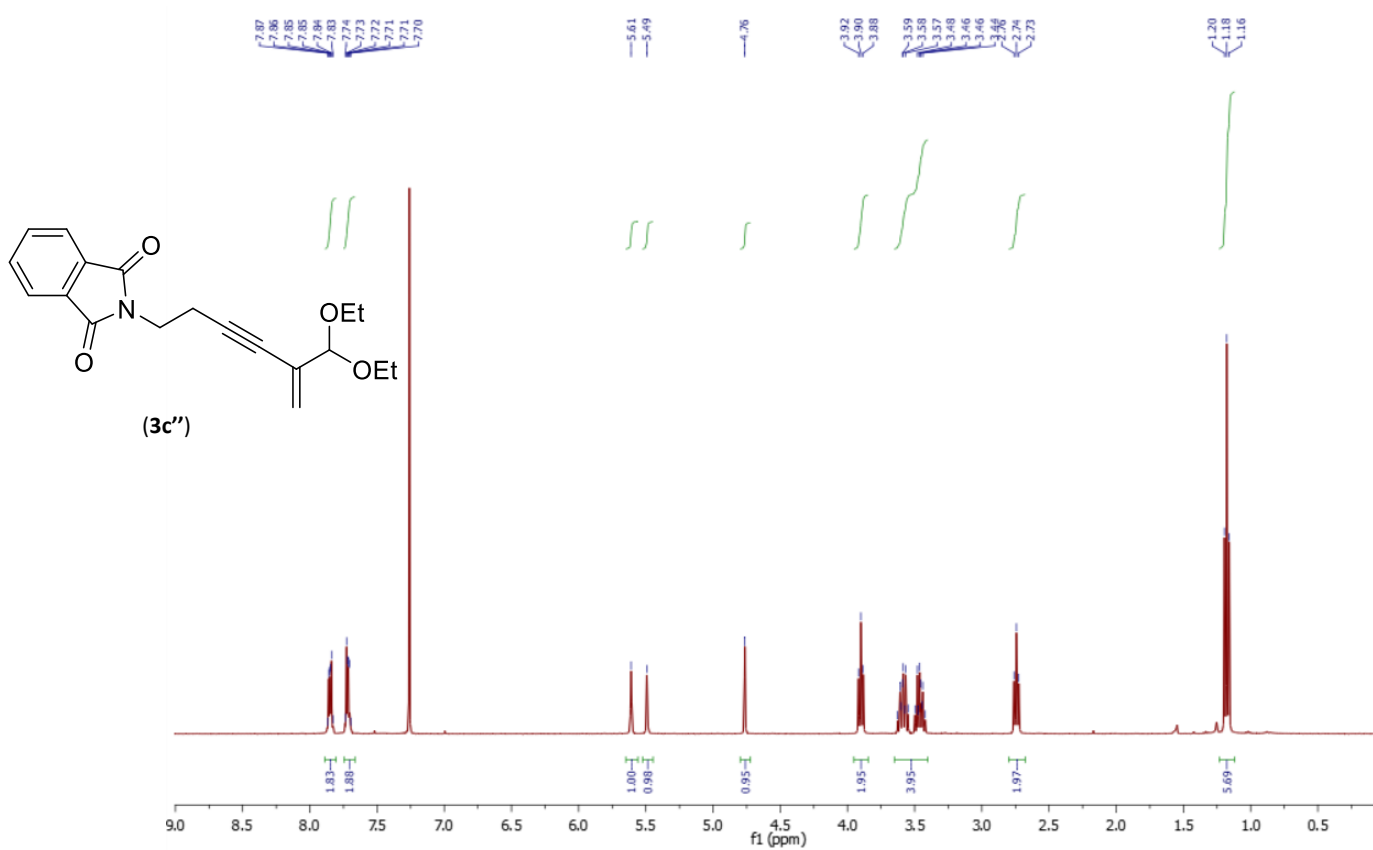


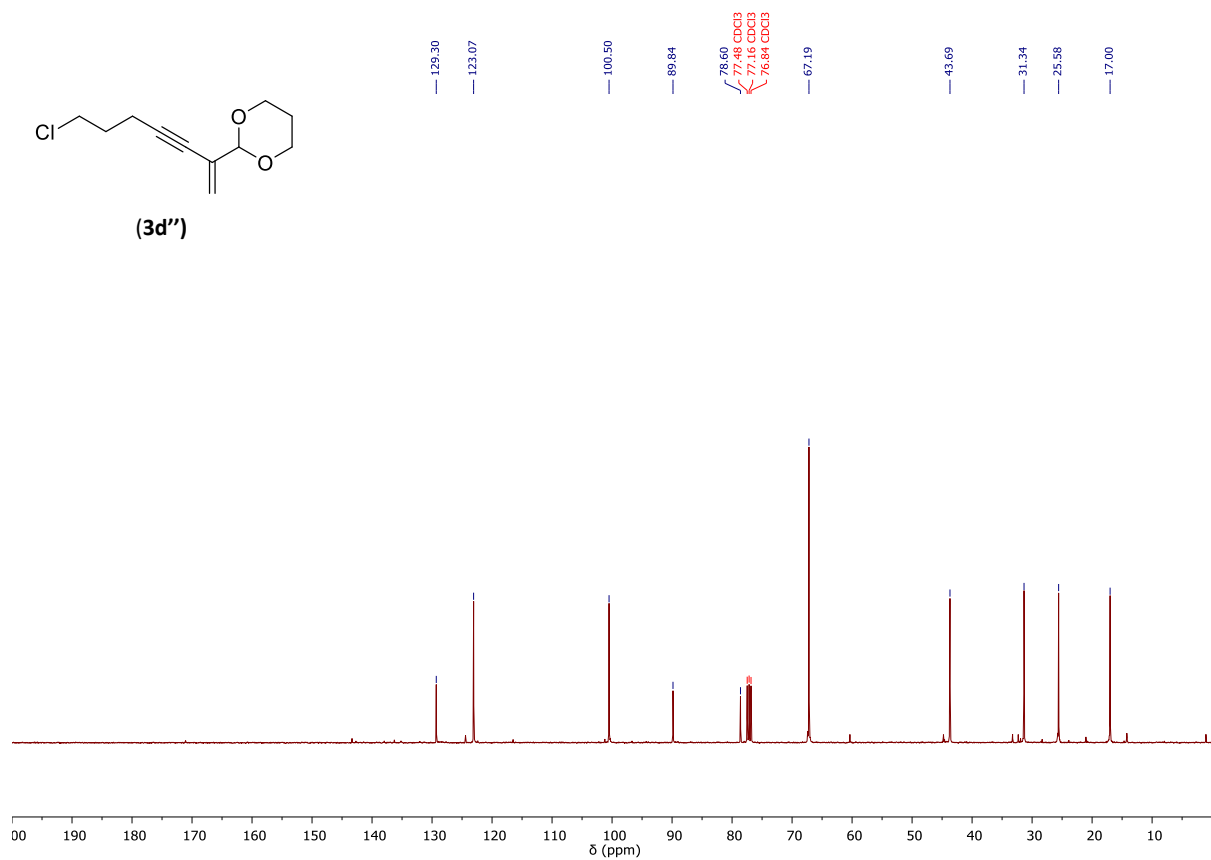
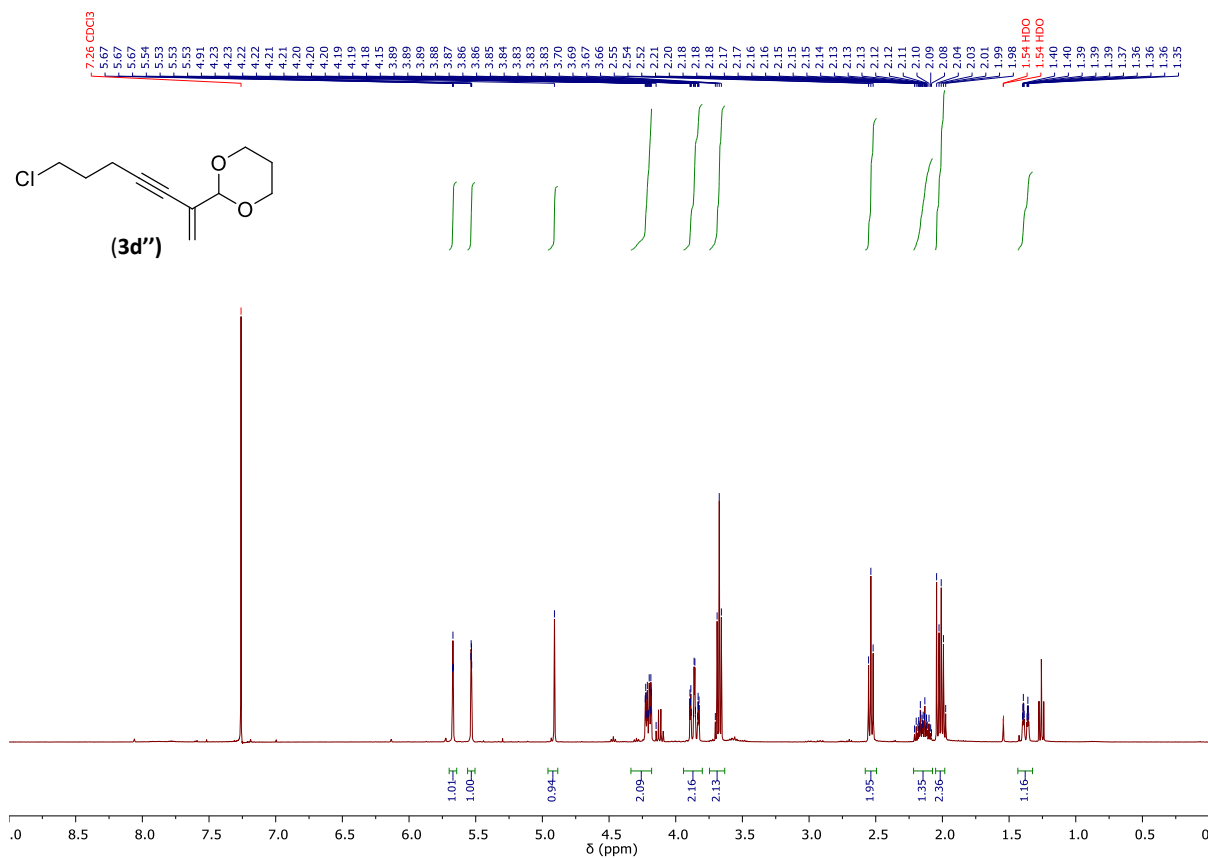


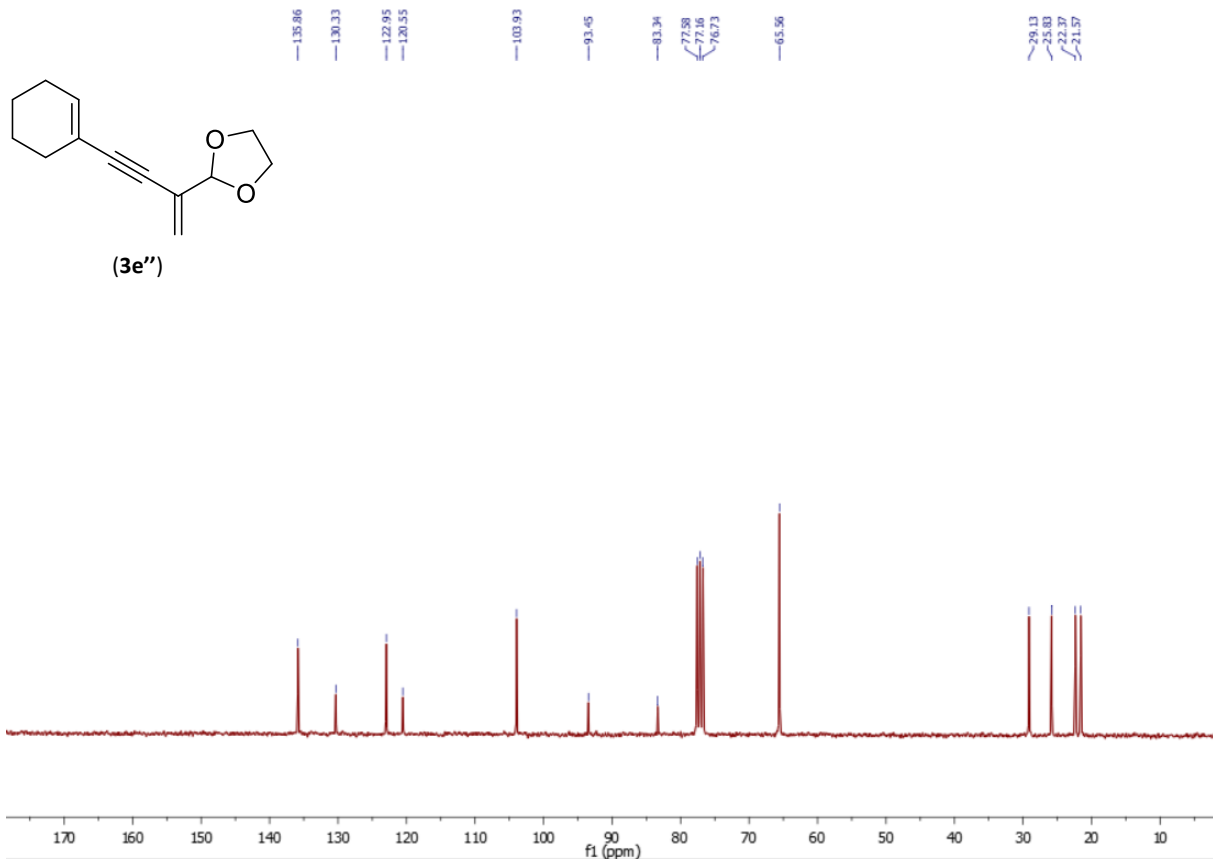
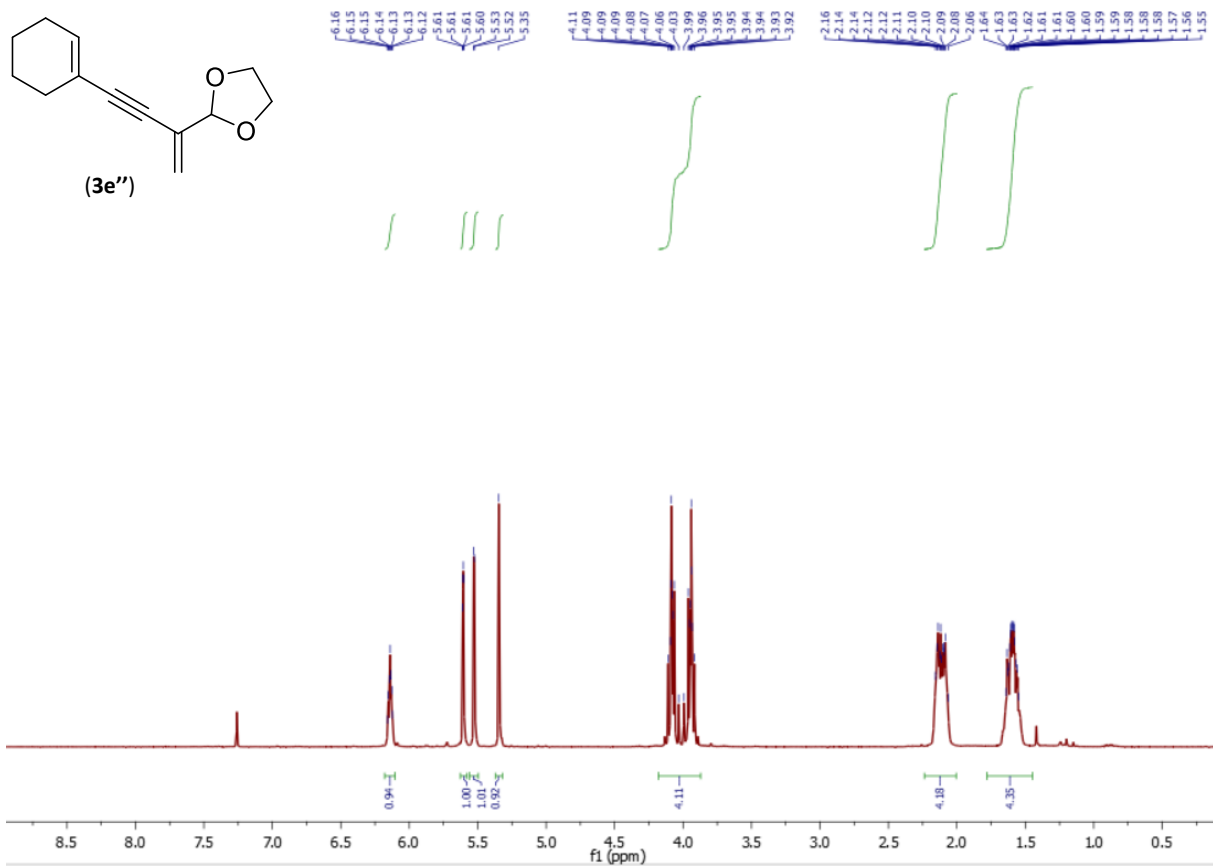












II. Formal synthesis of glucagon antagonist key 3f''-3h'' – NMR spectra

