

Supplementary Information

Palladium-Catalyzed Oxidative Cross-Coupling Reaction between Aryl Pinacol Boronates with *H*-Phosponates in Ethanol

Te-Hsuan Chen, Daggula Mallikarjuna Reddy, and Chin-Fa Lee*

Department of Chemistry, National Chung Hsing University, Taichung, Taiwan 402, R.O.C.

E-mail: cfalee@dragon.nchu.edu.tw

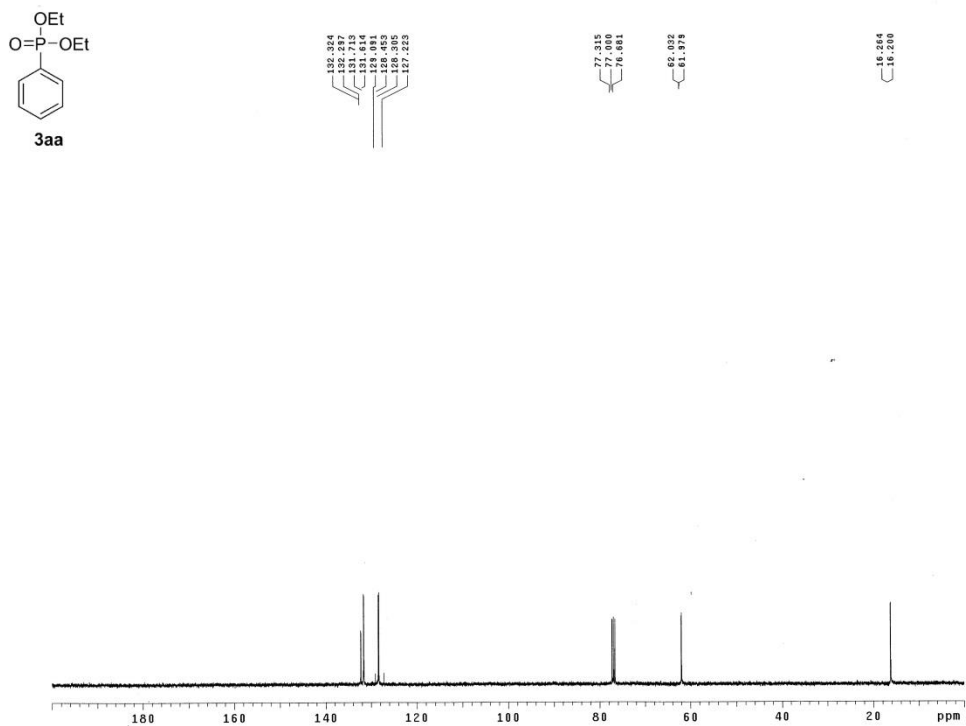
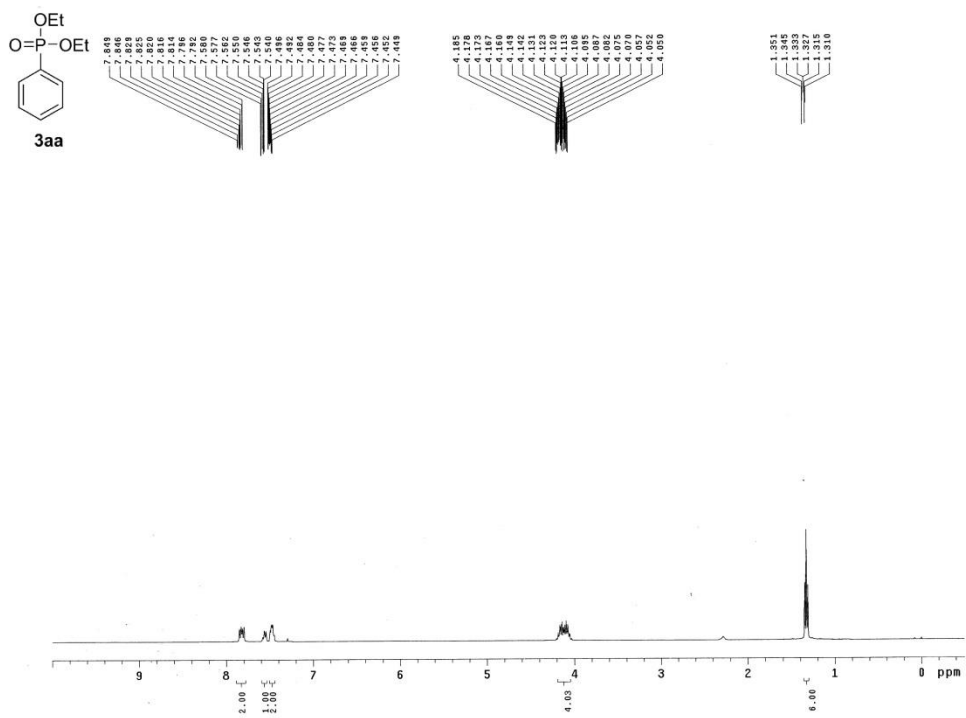
Table of Contents

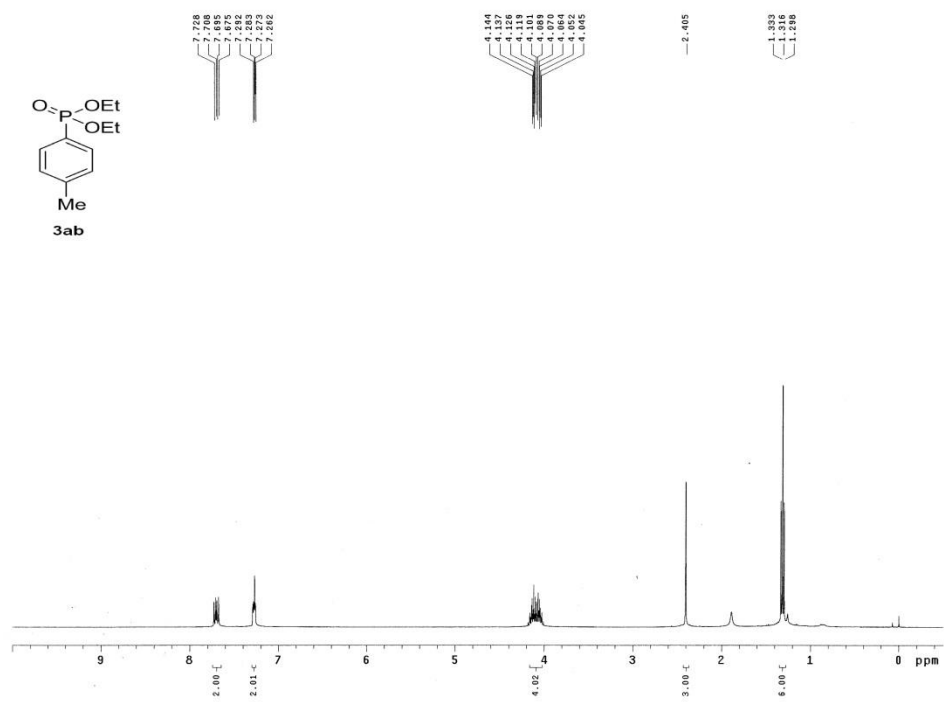
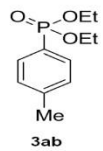
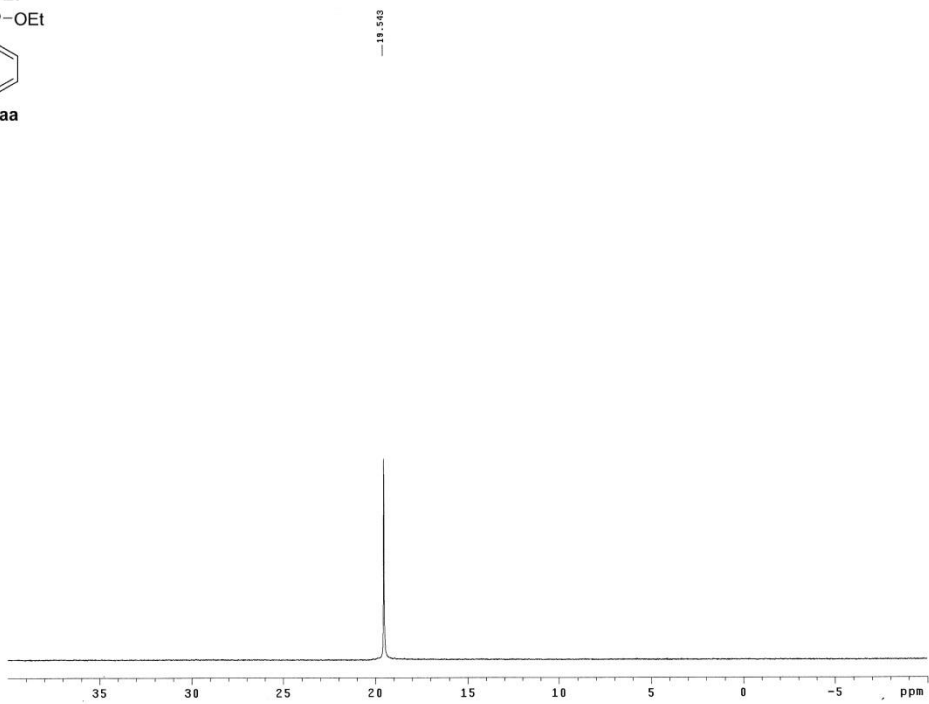
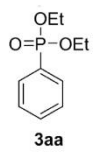
1. General information for NMR measurement.....	2
2. NMR Spectra of Compounds.....	3

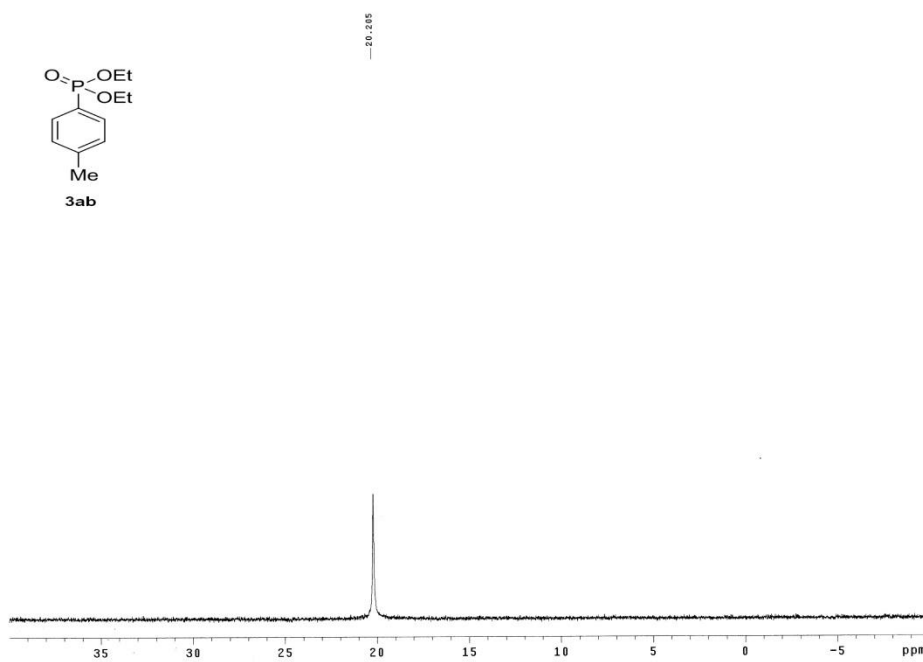
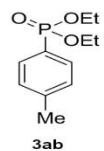
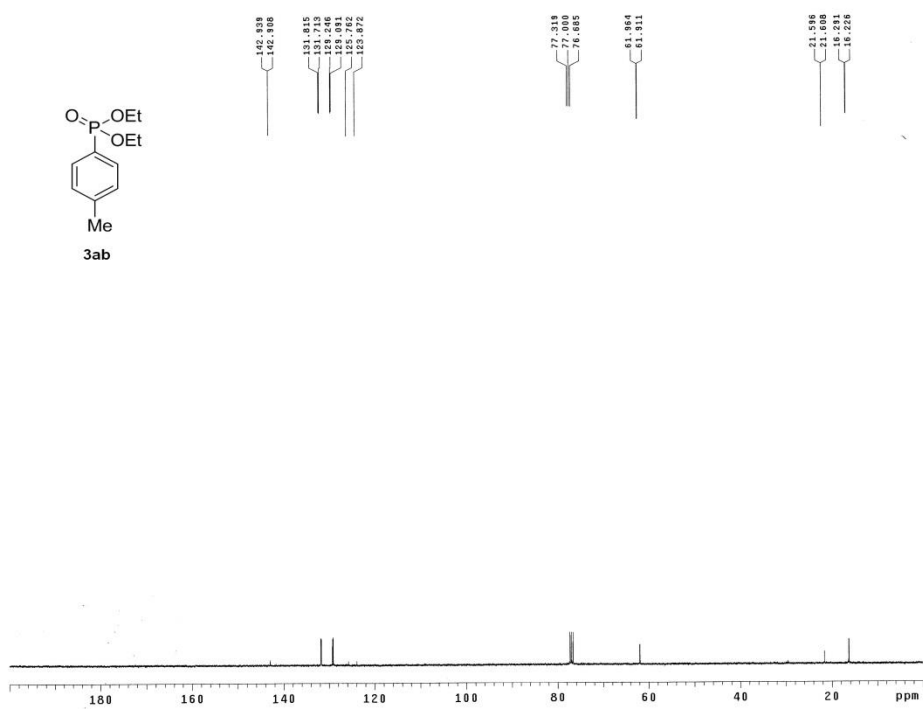
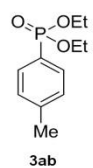
1. General information for NMR measurement

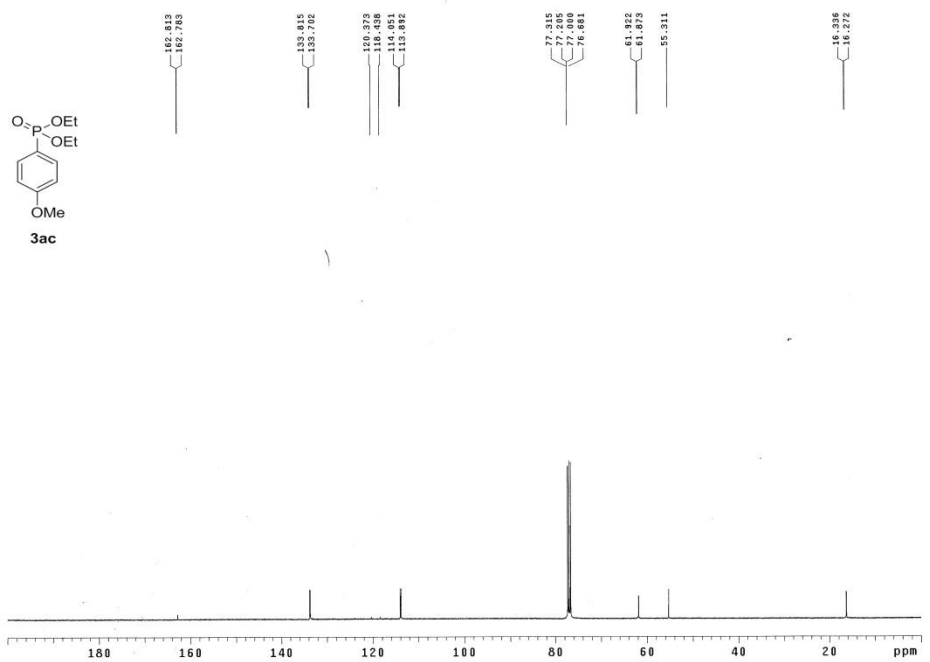
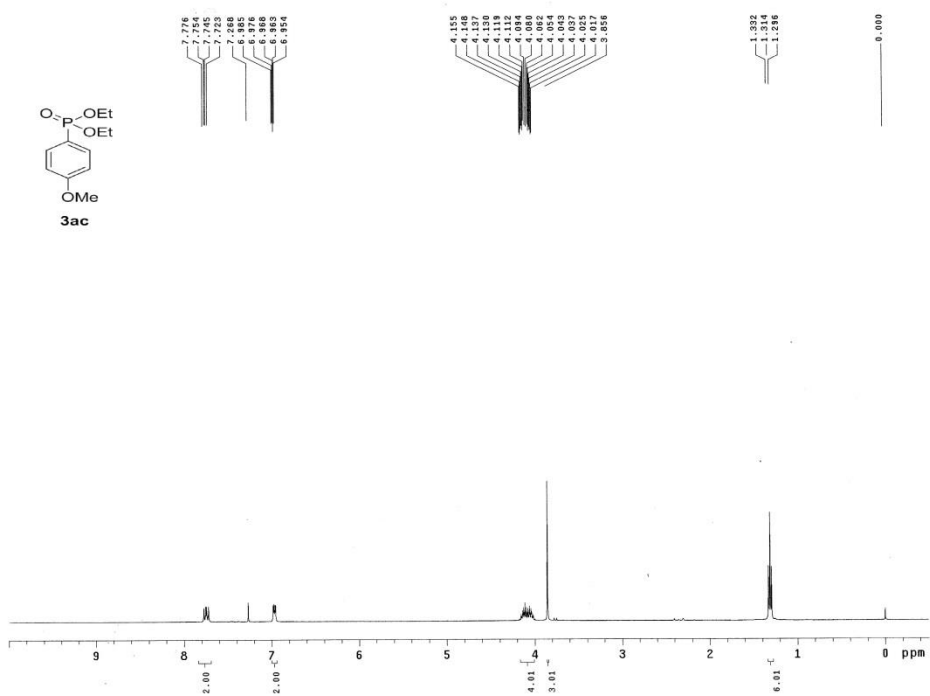
Proton and carbon nuclear magnetic resonance spectra (^1H and ^{13}C NMR) were recorded in CDCl_3 . Chemical shifts (δ) are reported in parts per million (ppm), and coupling constants (J) are reported in hertz (Hz).

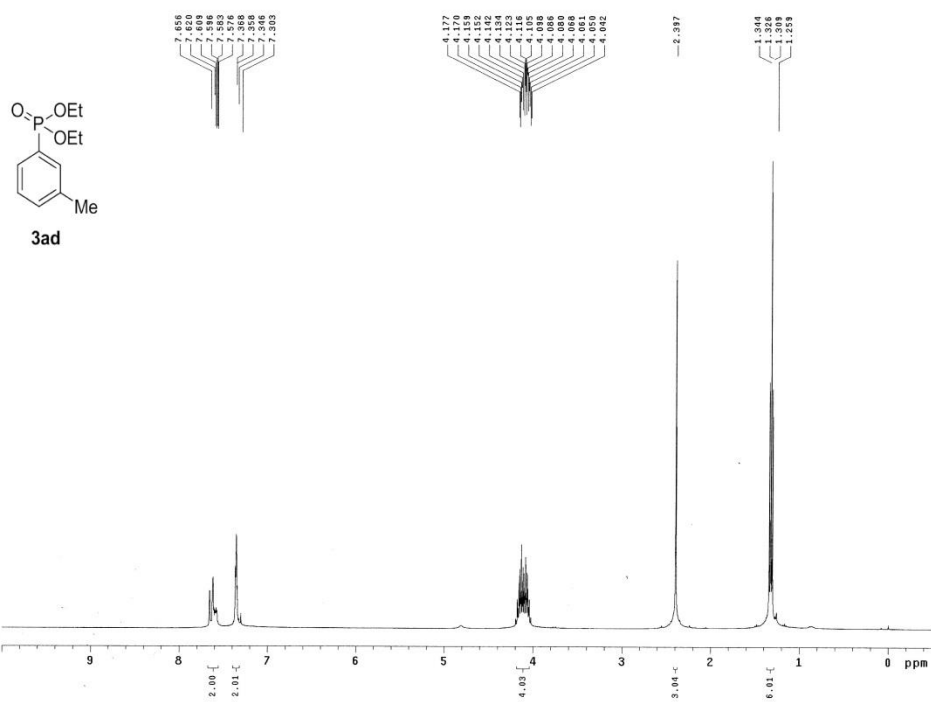
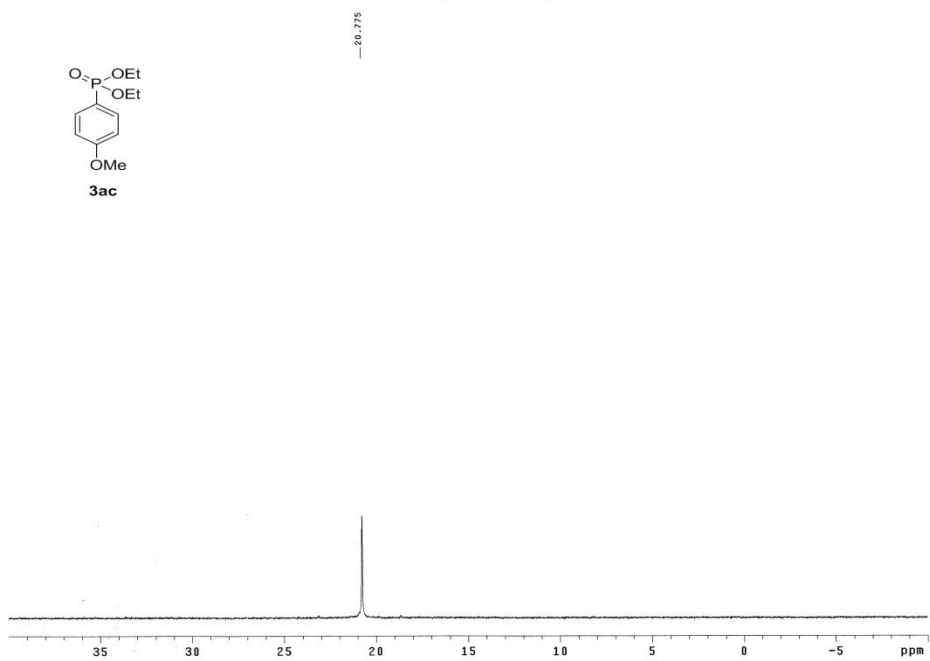
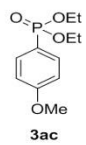
2. NMR Spectra of Compounds

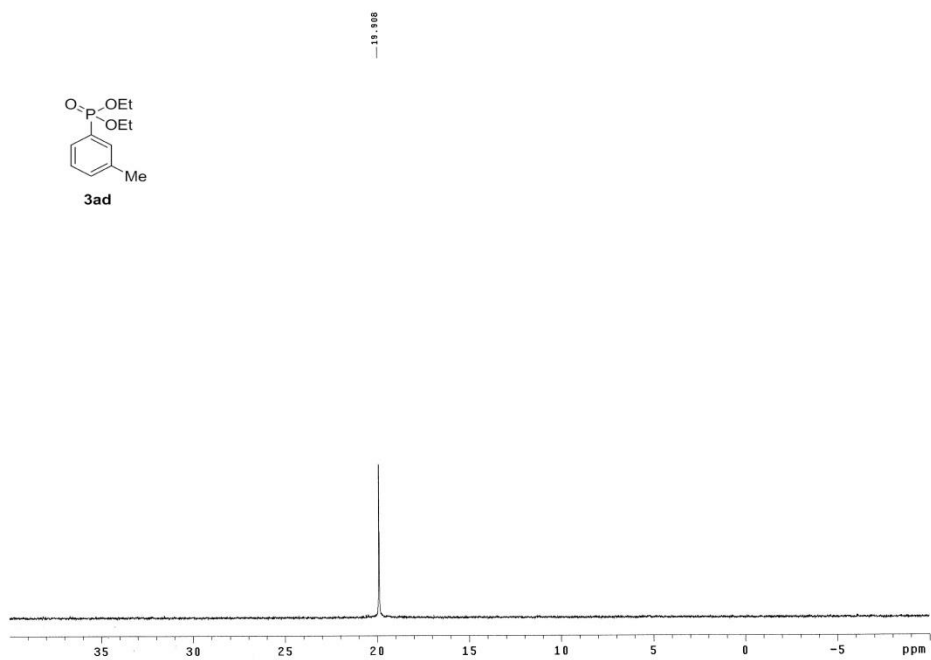
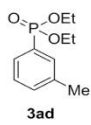
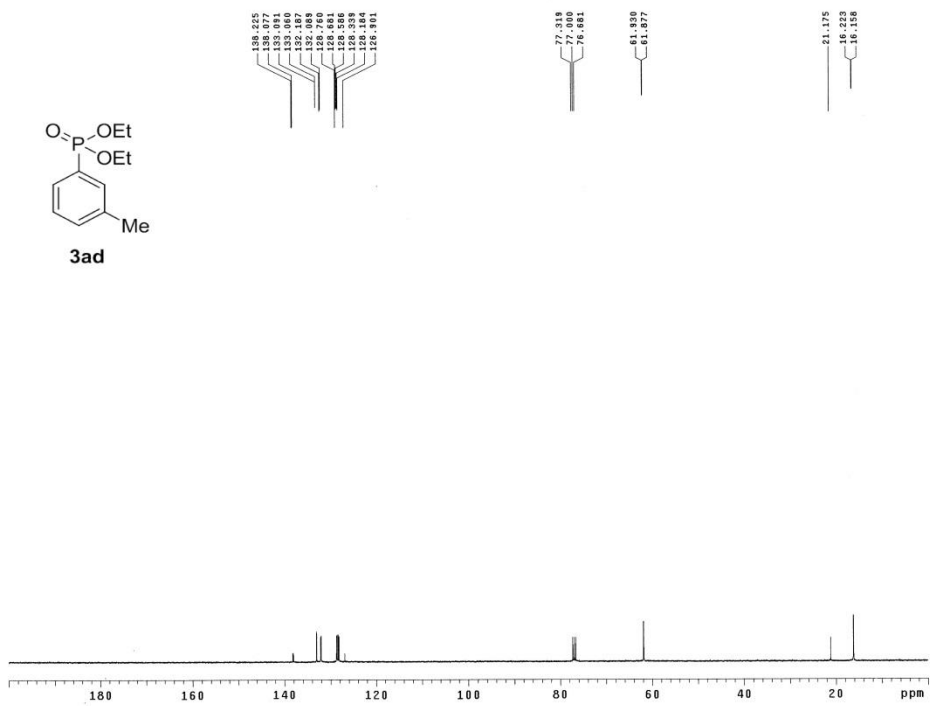
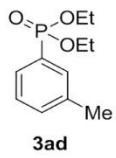


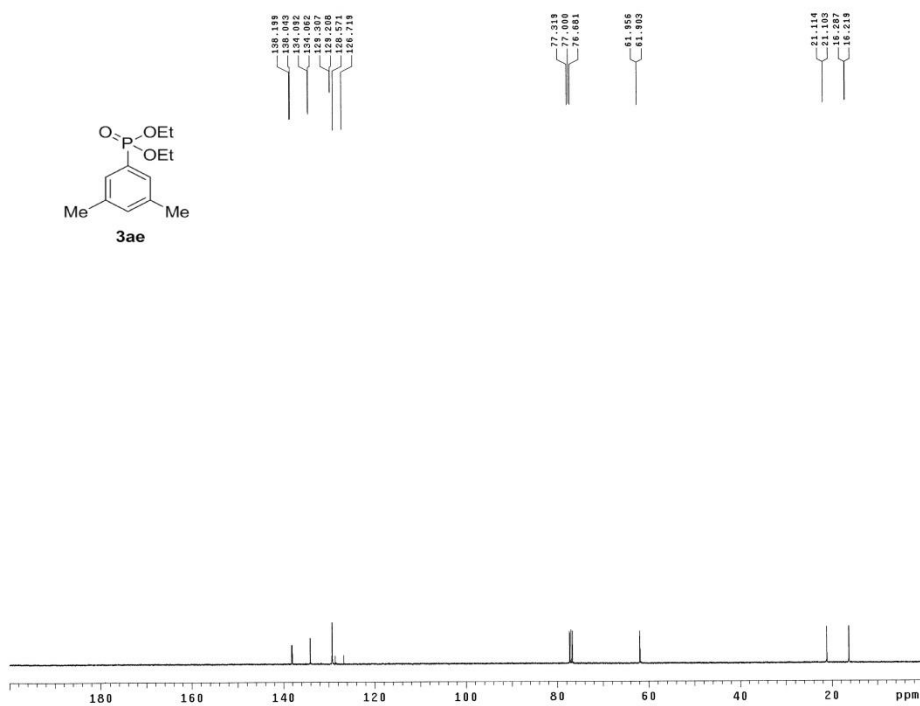
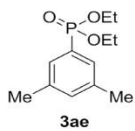
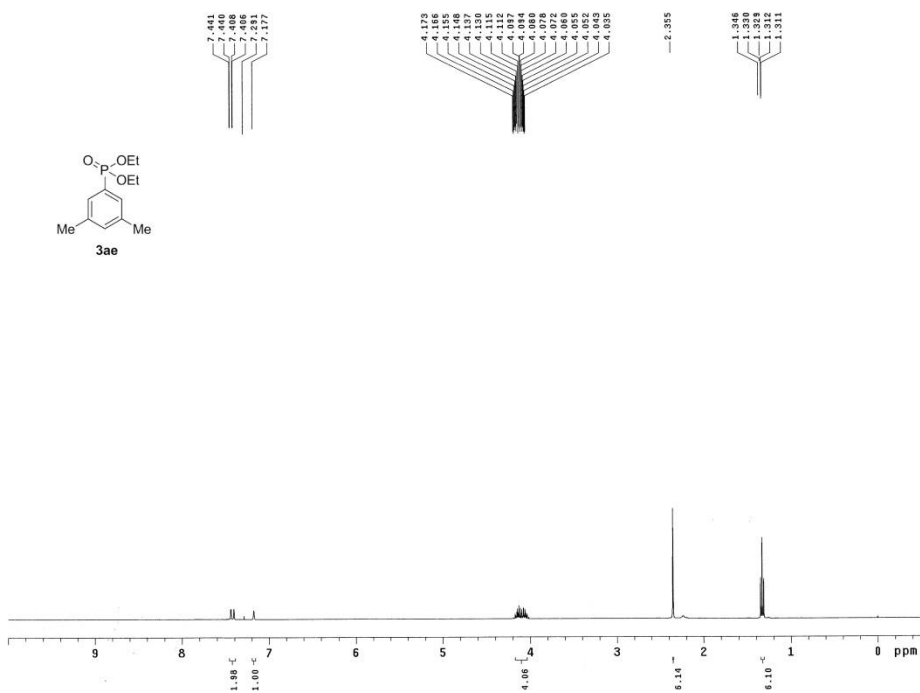
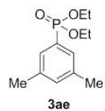




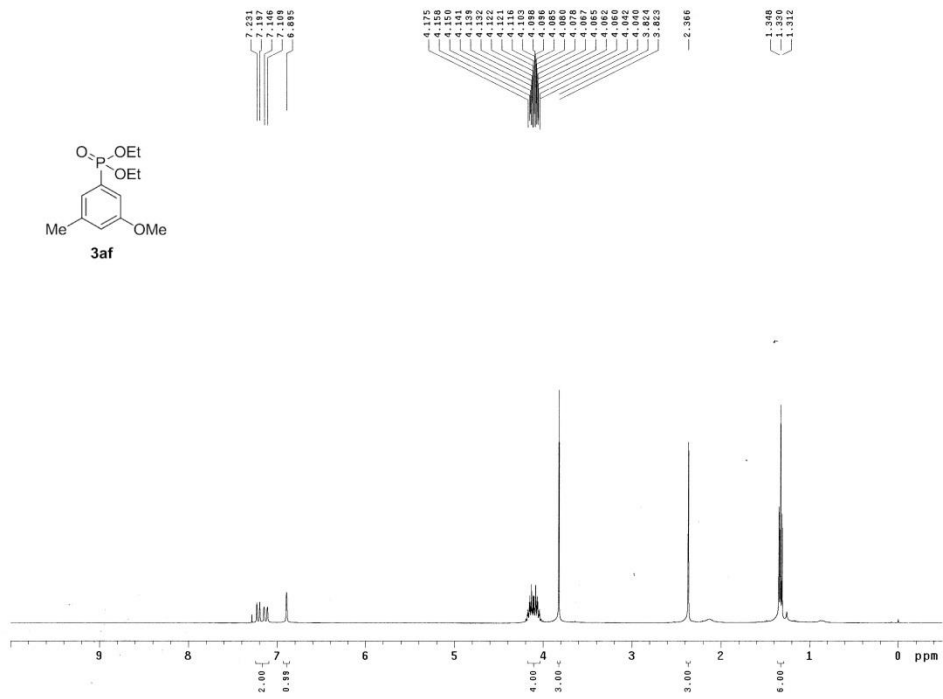
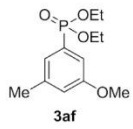
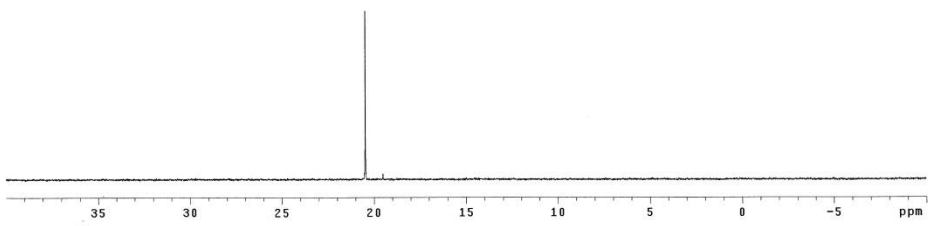
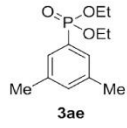


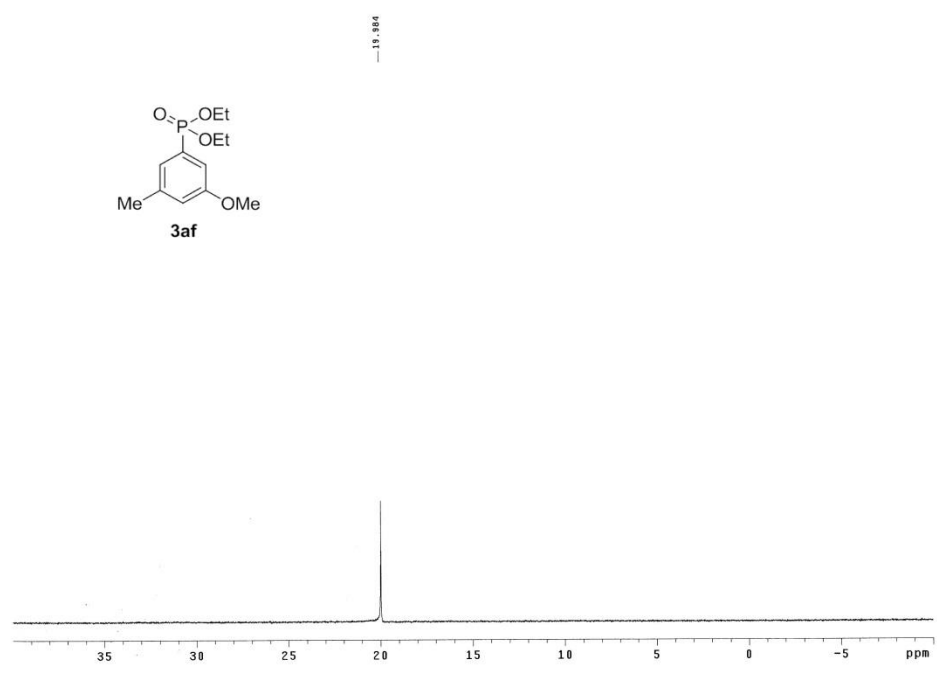
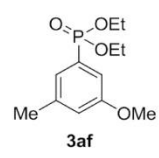
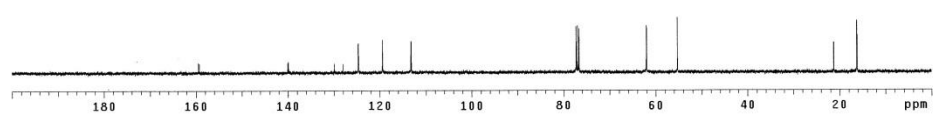
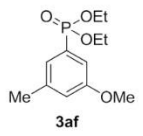
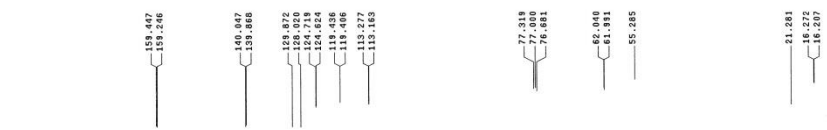


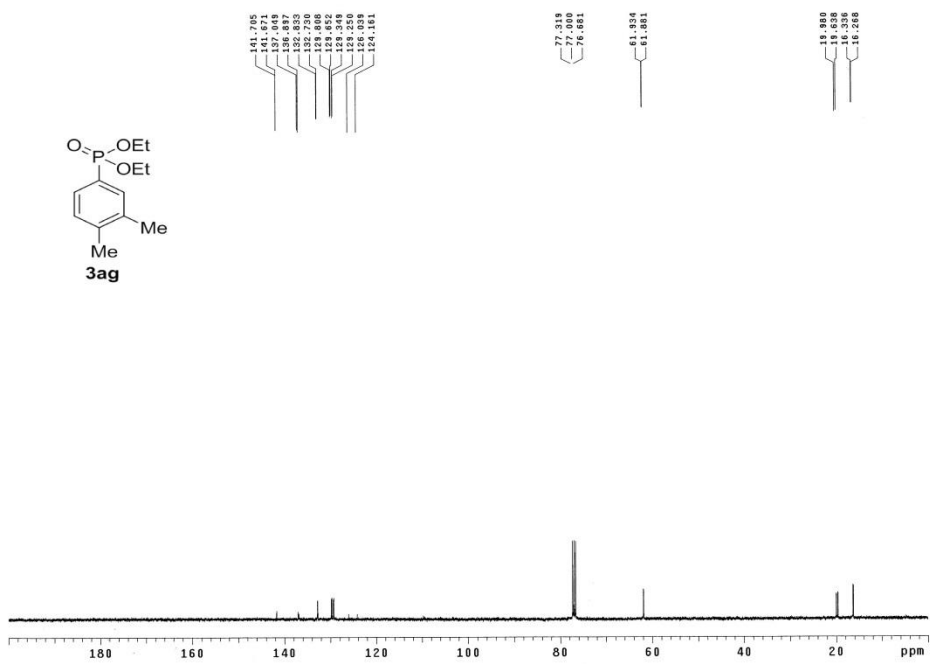
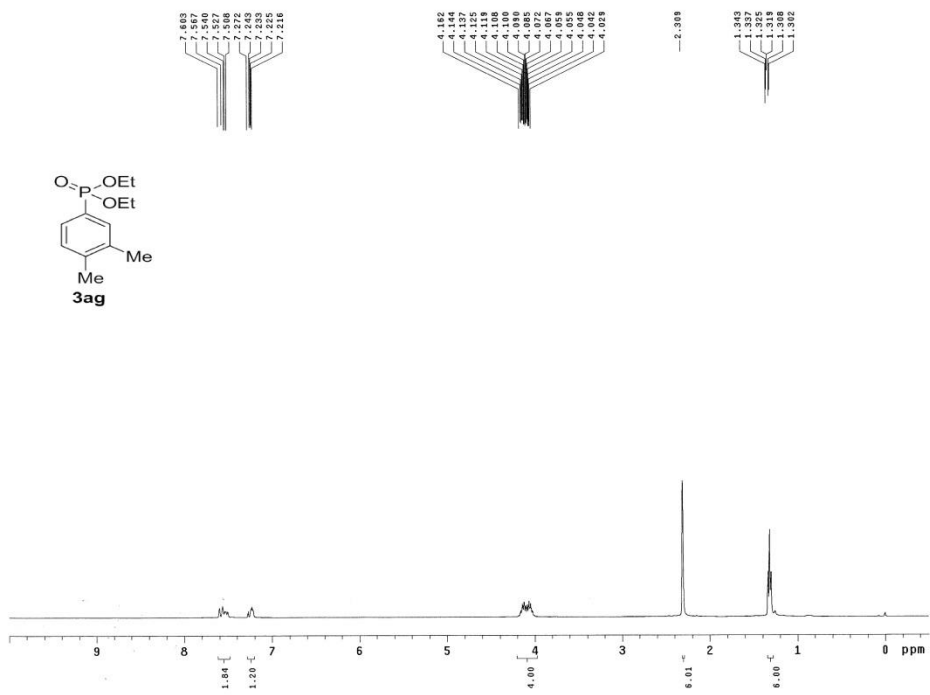


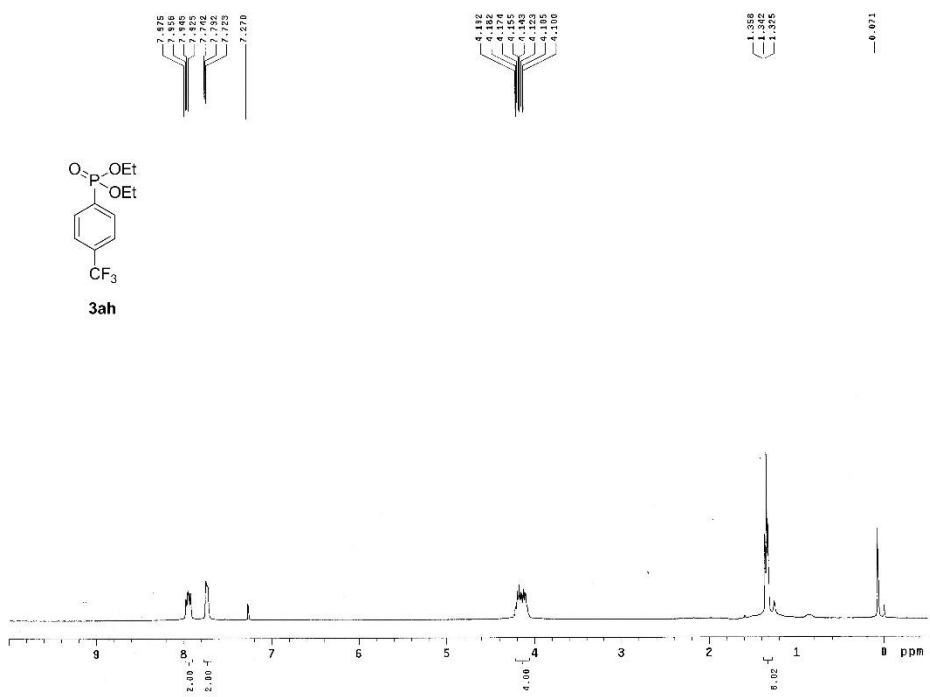
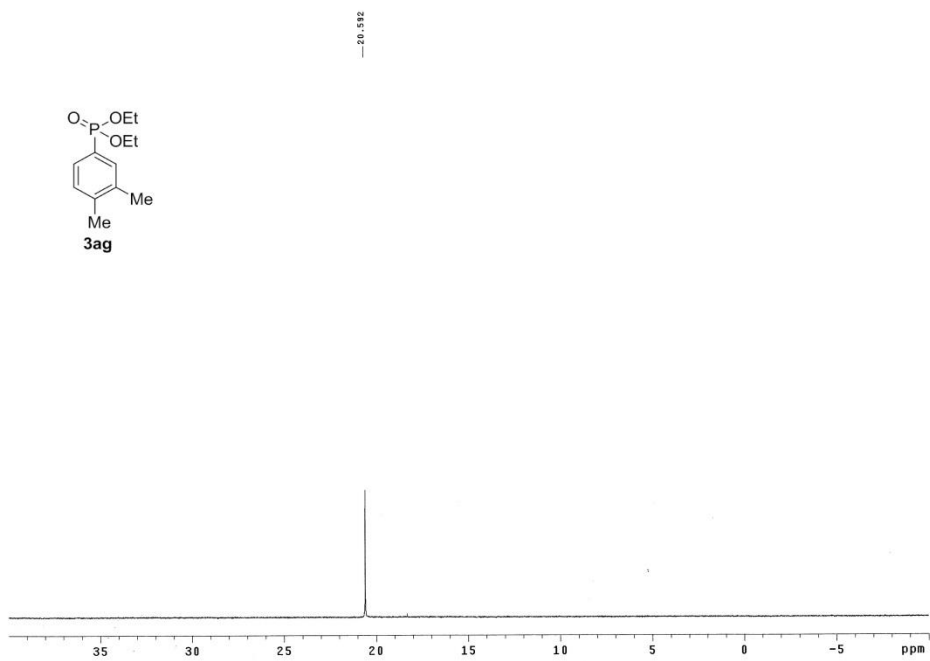


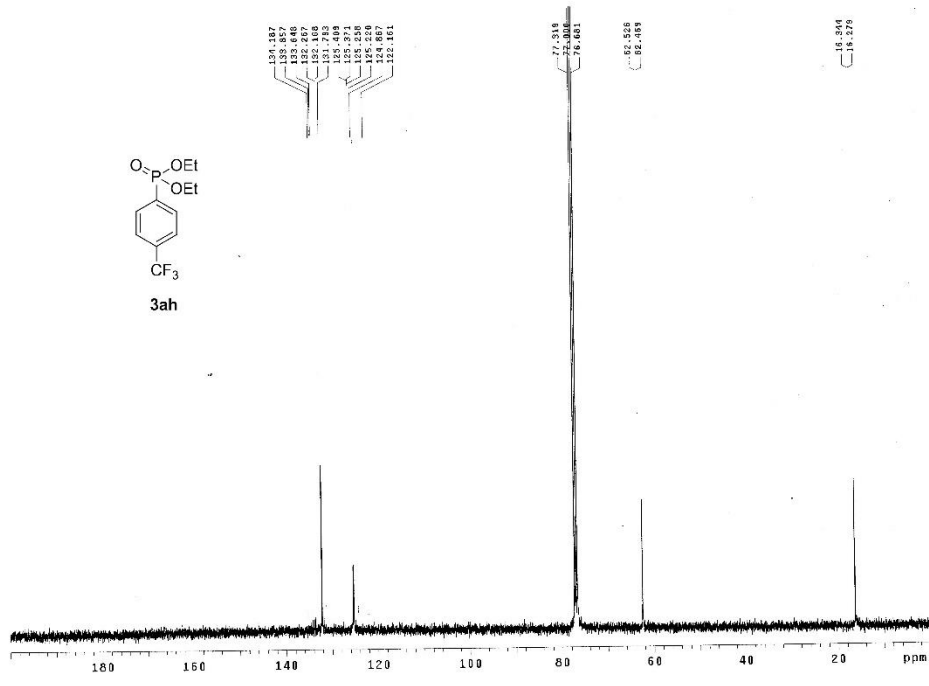
—20.478



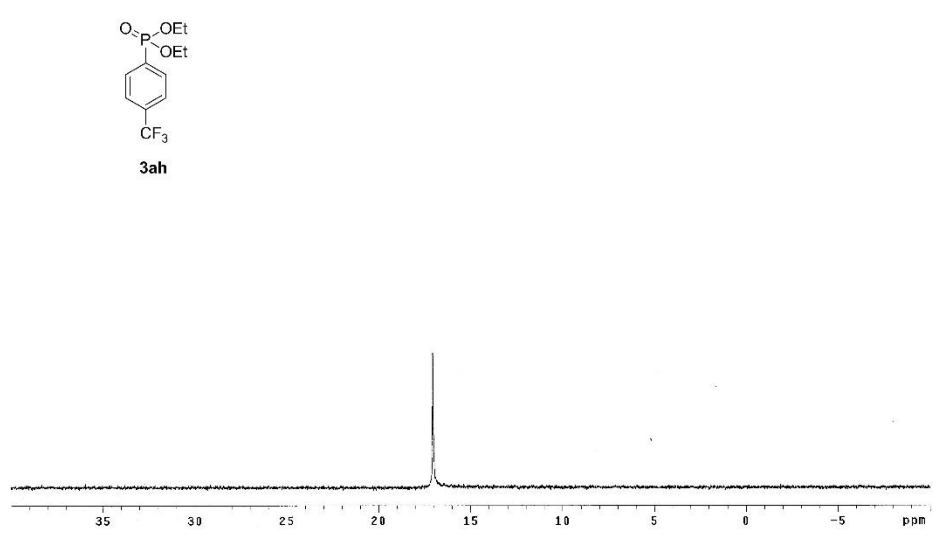


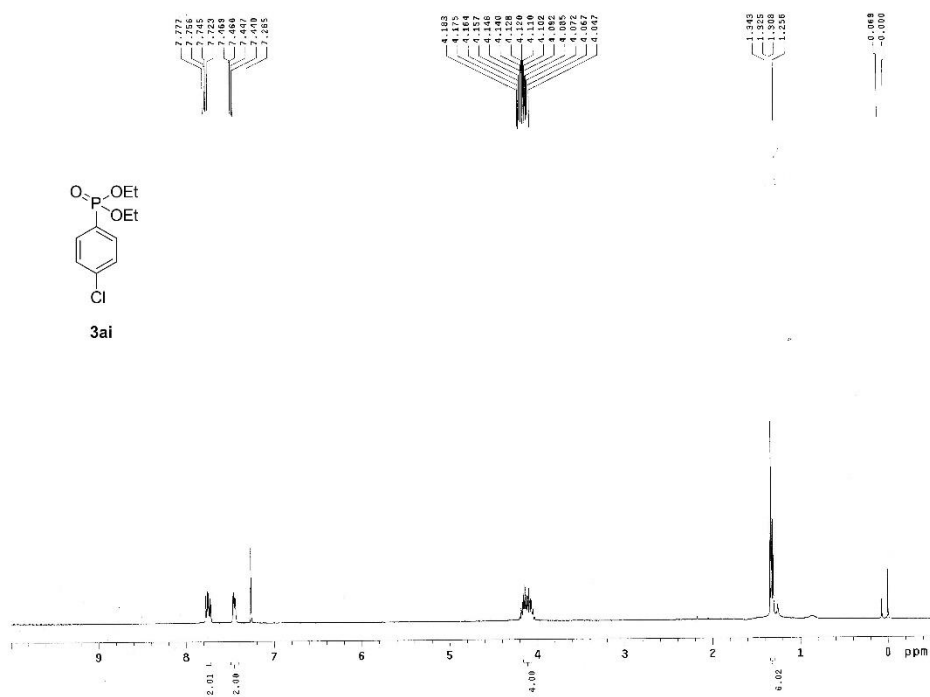
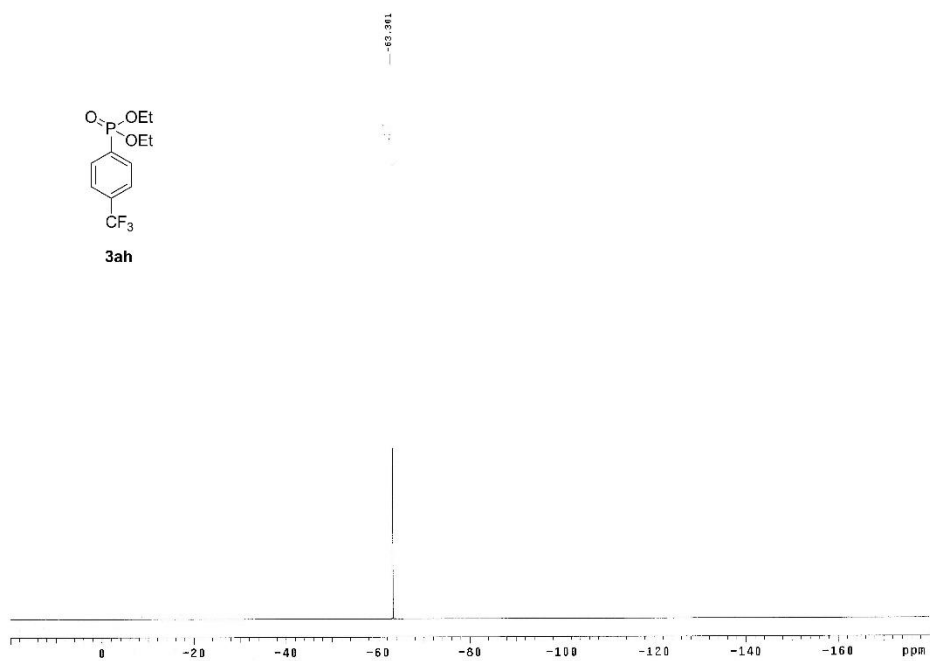


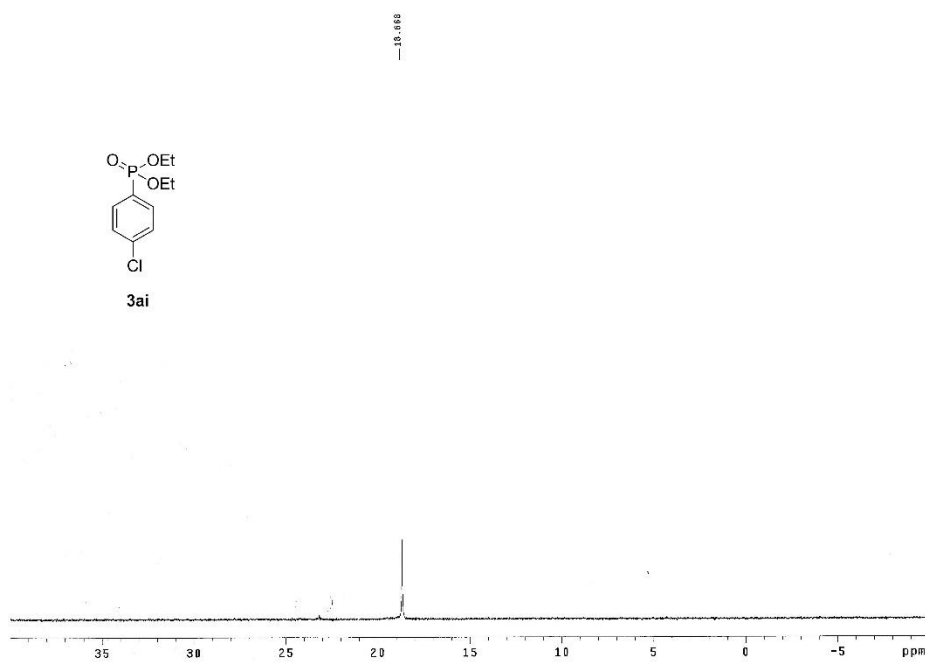
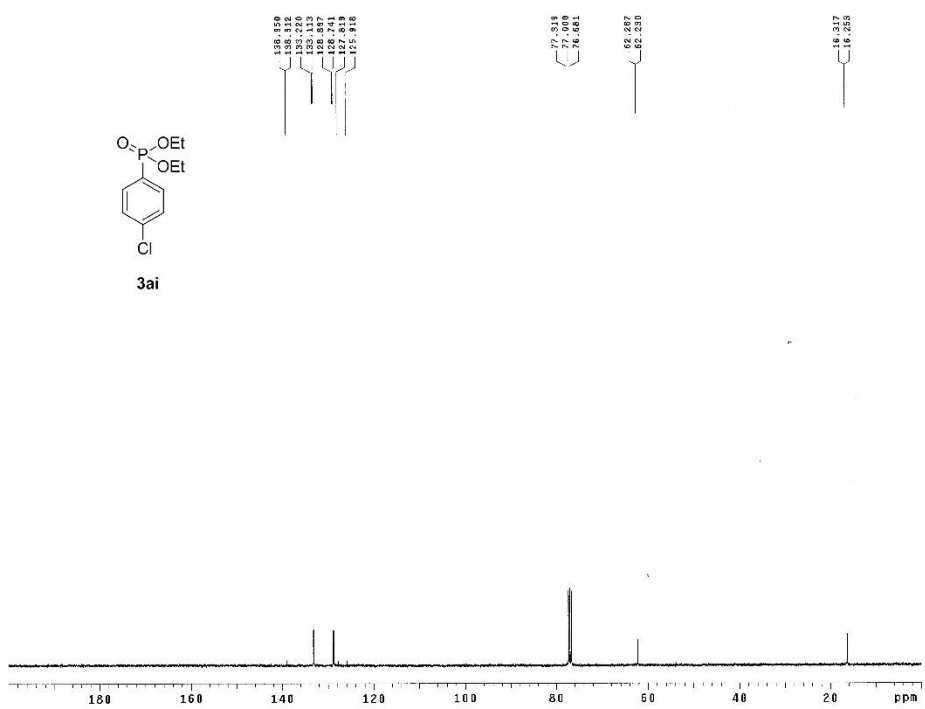


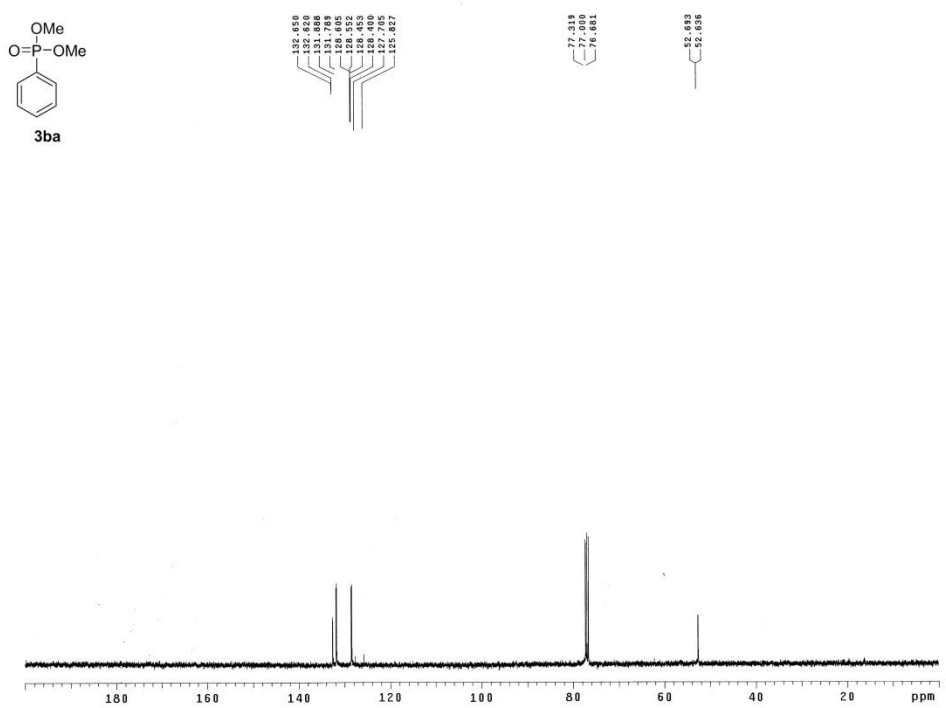
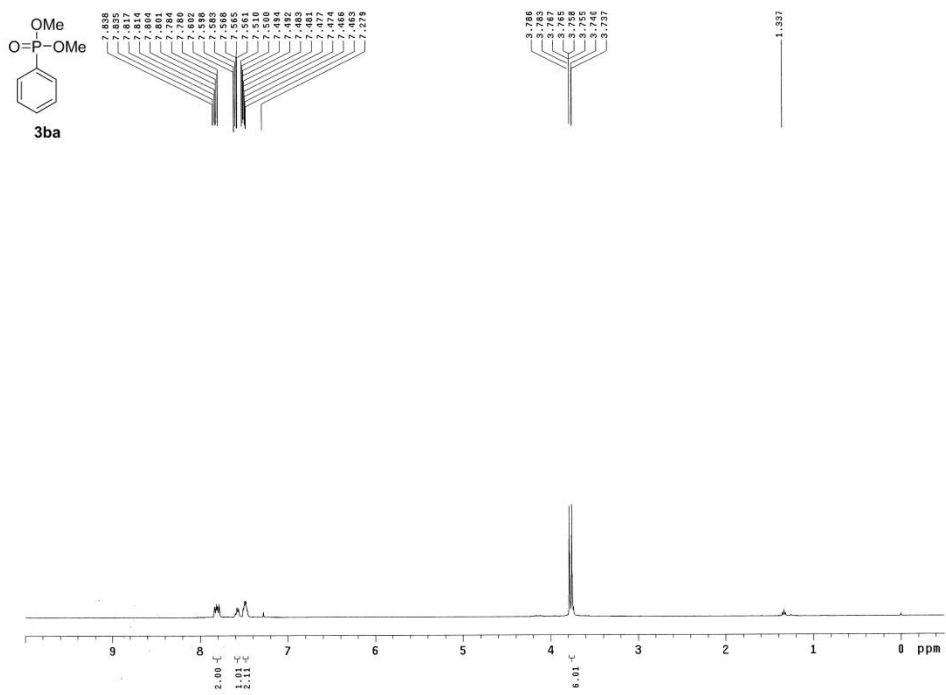


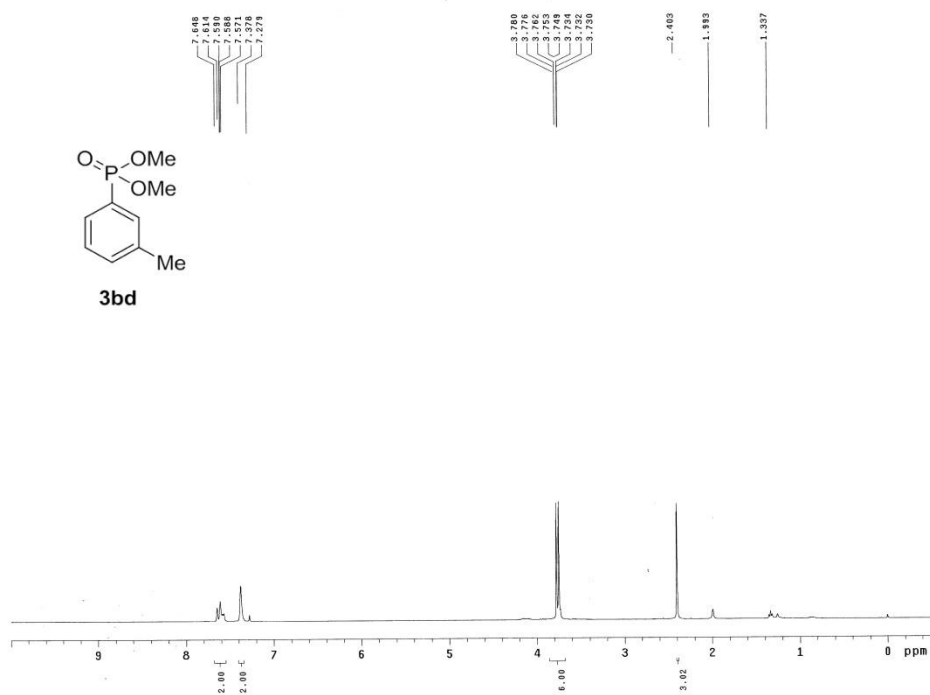
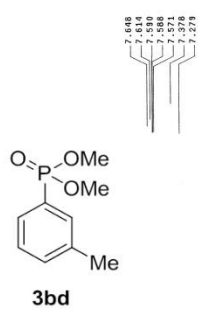
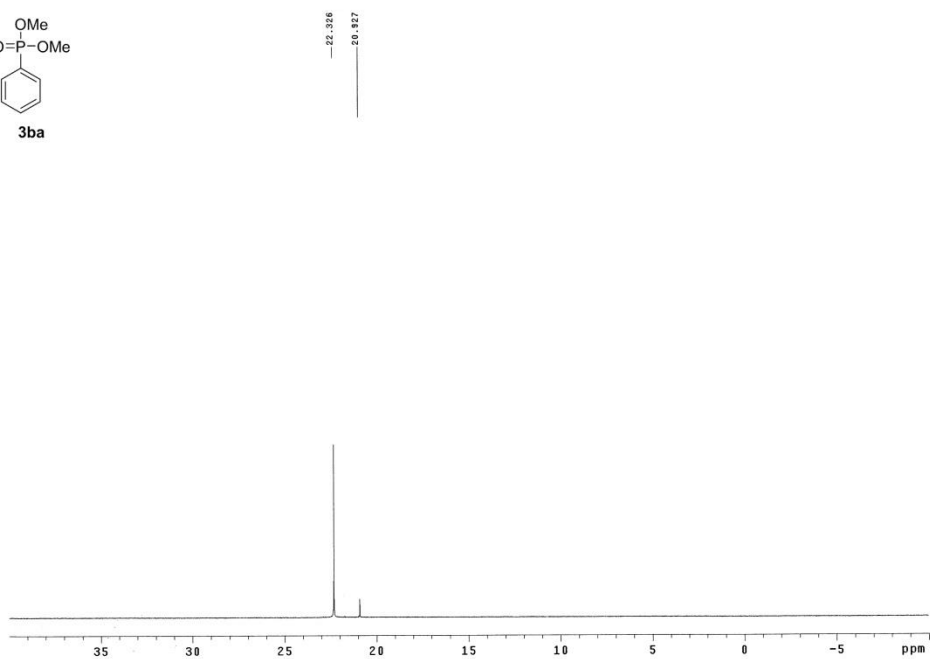
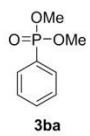
-17.518

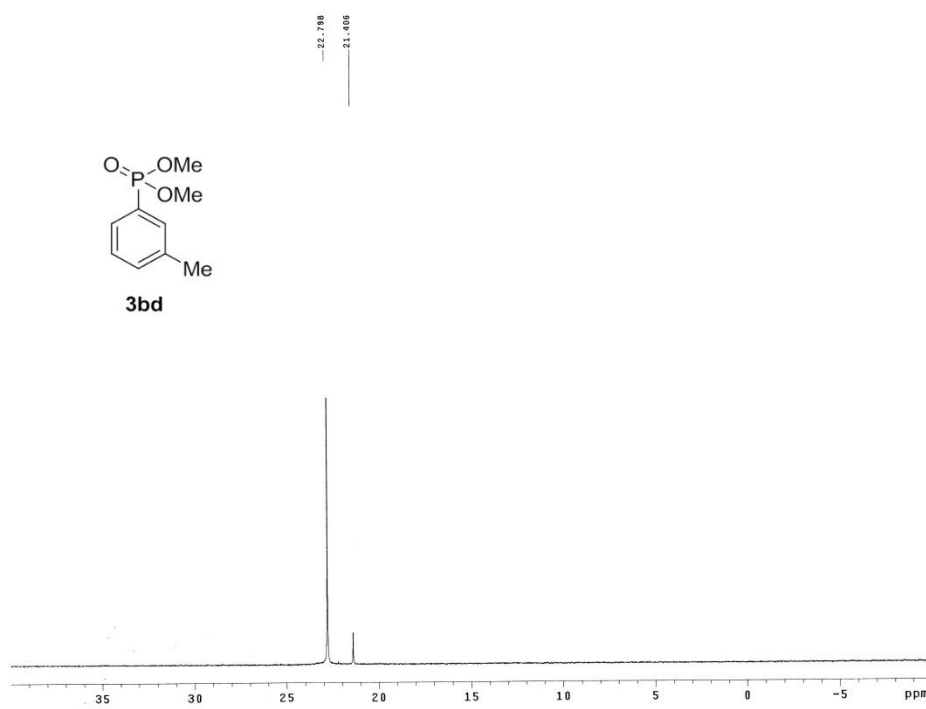
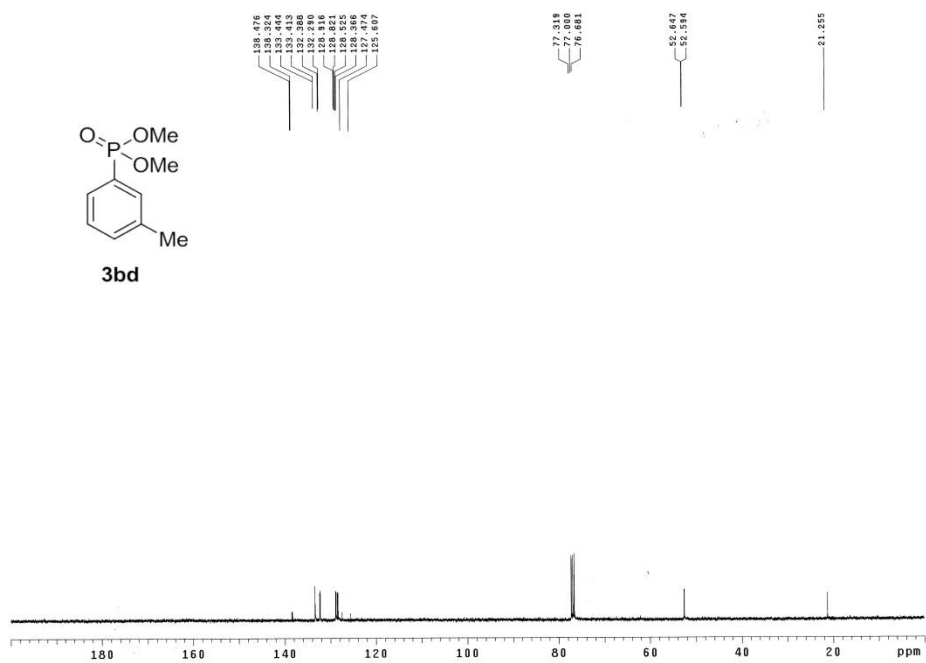


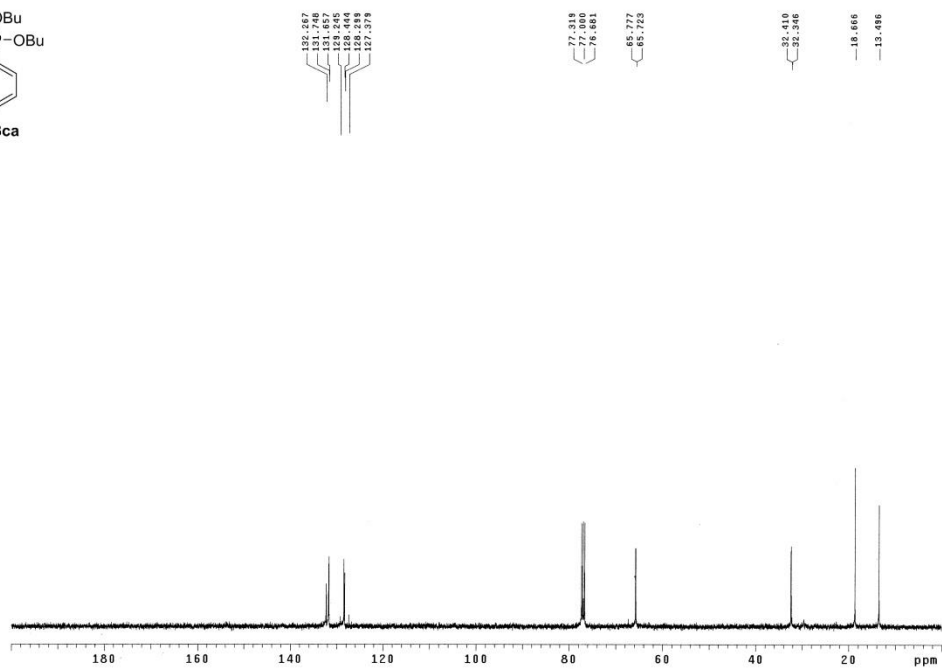
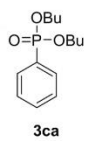
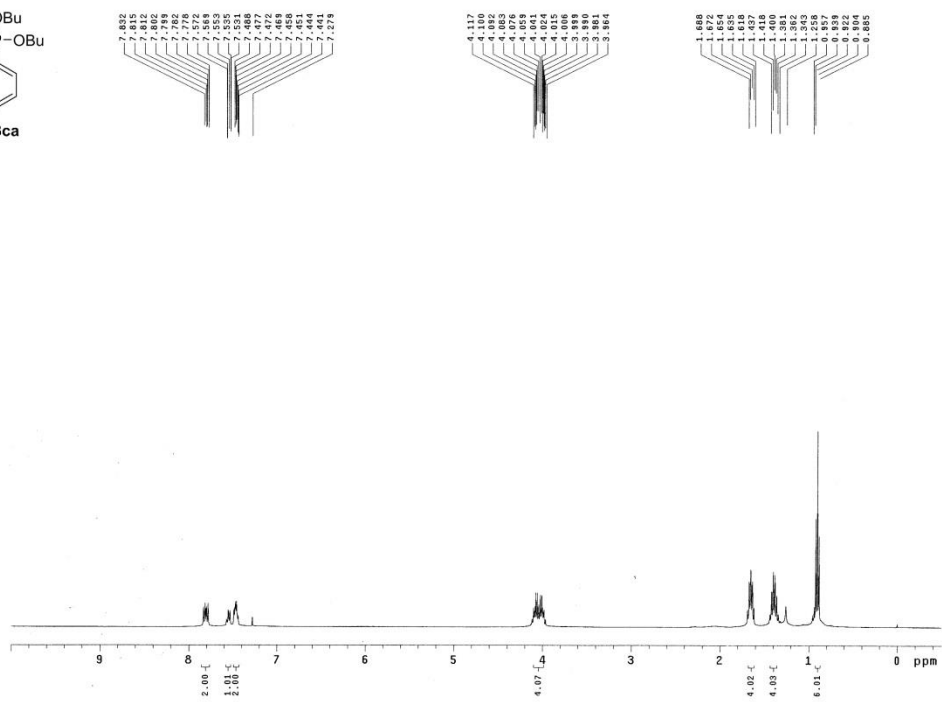
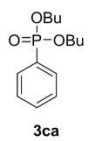


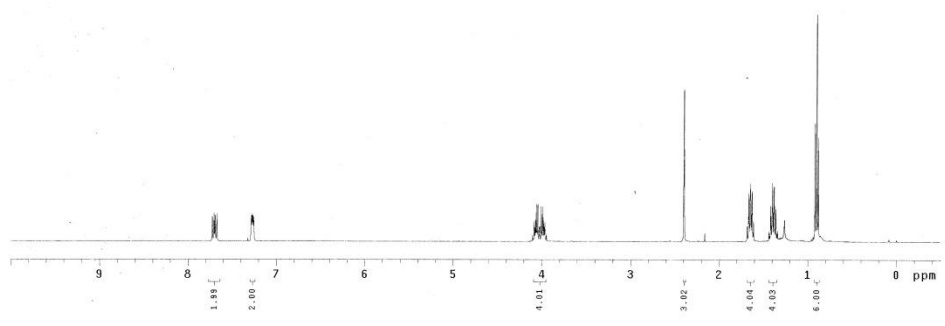
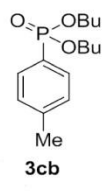
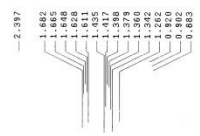
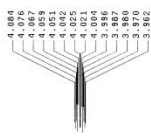
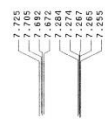
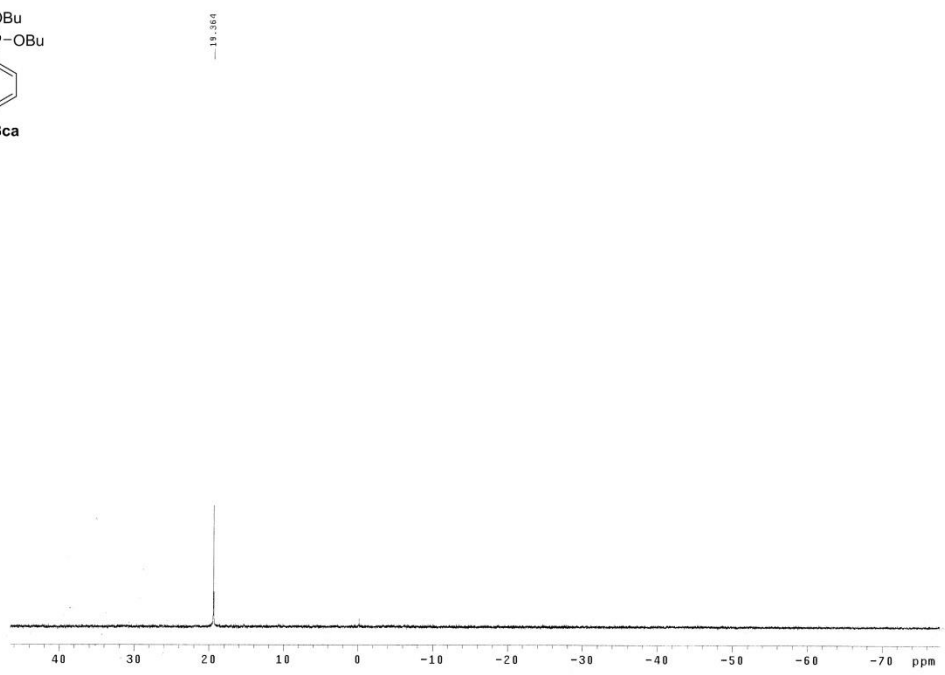
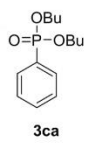


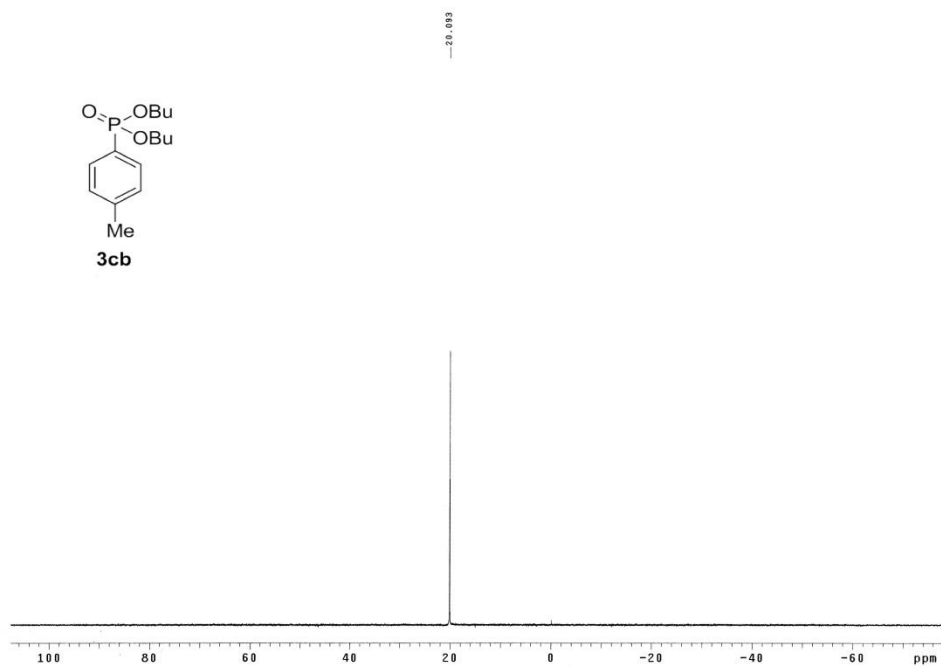
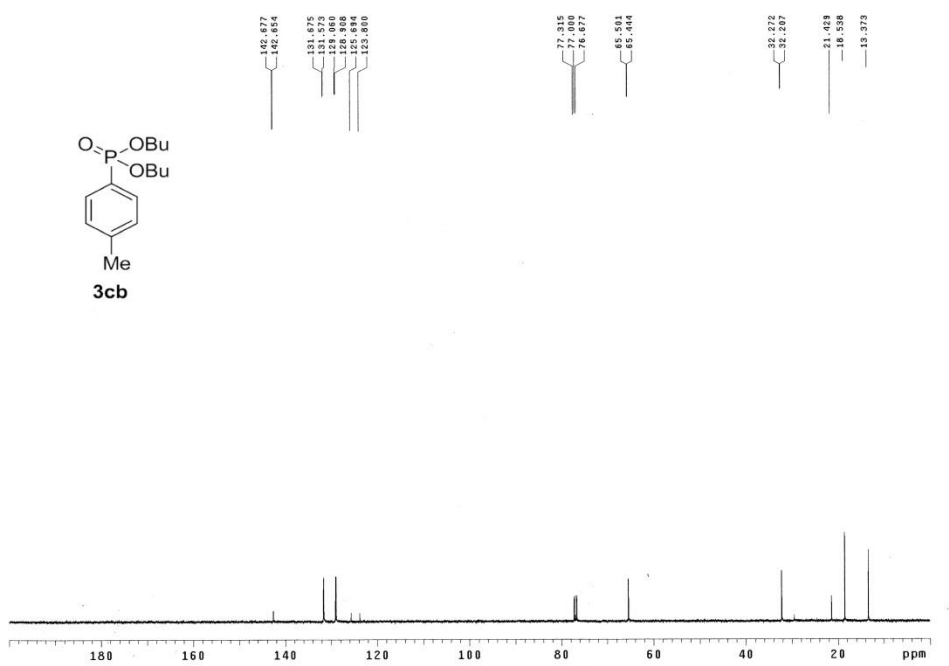


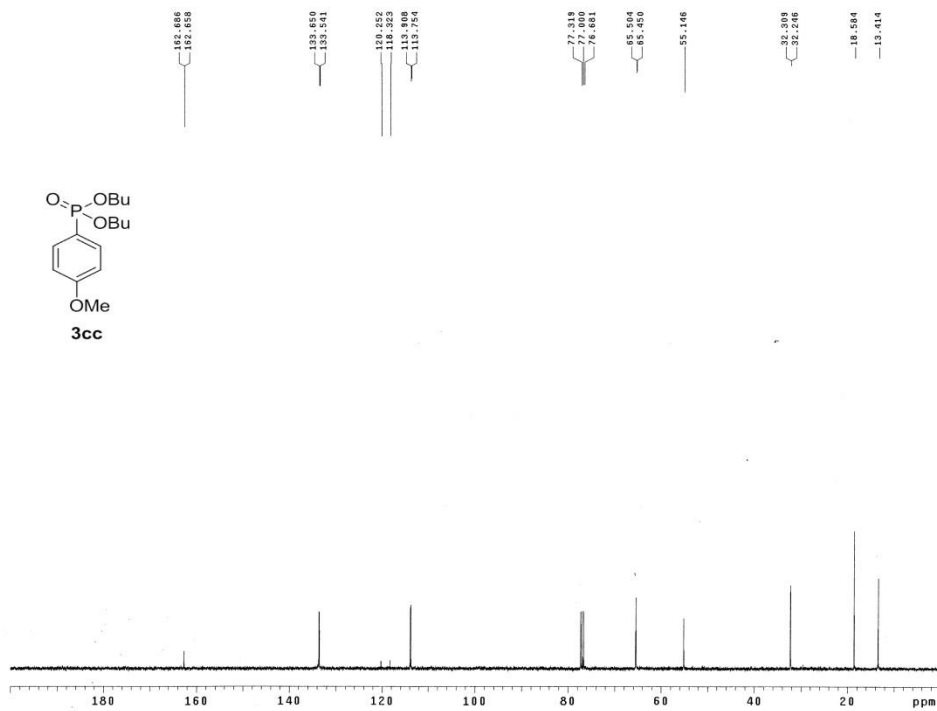
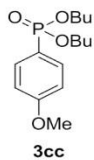
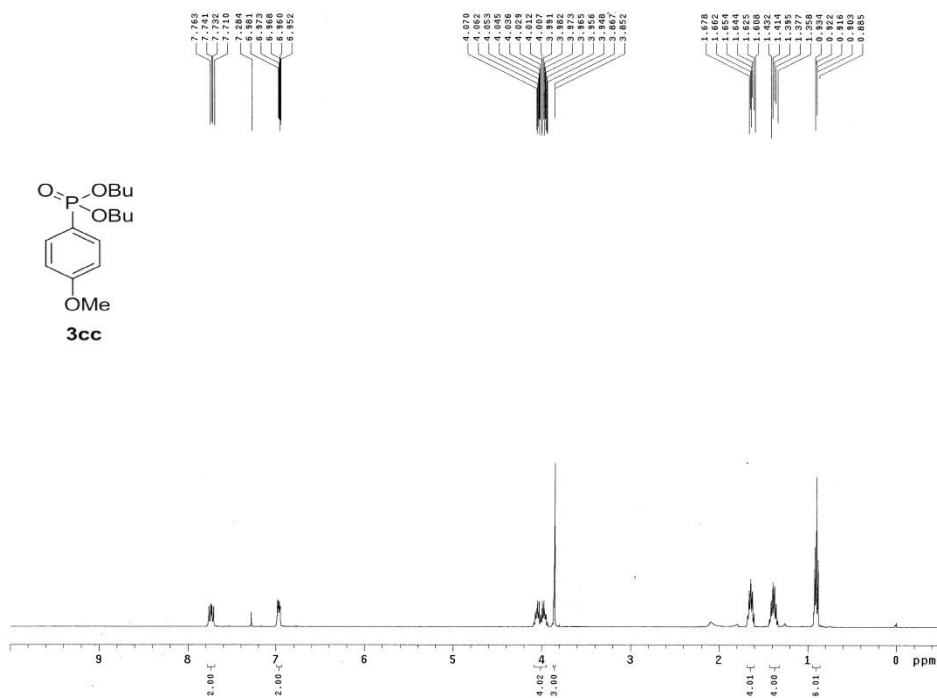
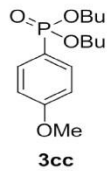












—86.471

