

**Metal-Free Synthesis of Allylic Amines by
Cross-Dehydrogenative-Coupling of 1,3-Diarylpropenes with Anilines
and Amides under Mild Conditions**

Zhiming Wang,^{1,2} Hanjie Mo,¹ Dongping Cheng,^{1,3} and Weiliang Bao*,¹

¹Department of Chemistry, Zhejiang University (Xixi Campus), Hangzhou, Zhejiang
310028, China

²School of Petrochemical Engineering, Changzhou University, Changzhou, Jiangsu
213164, China

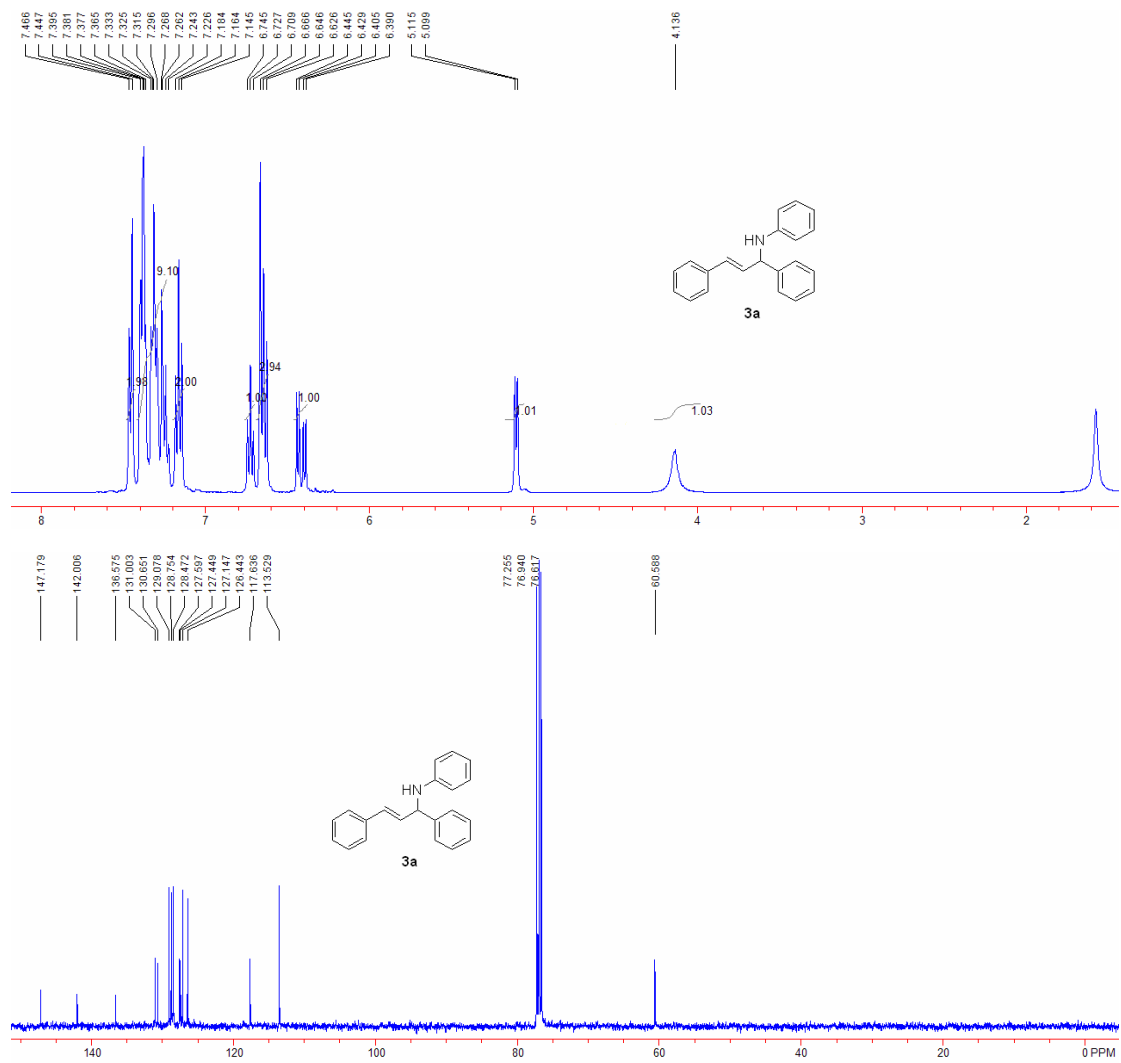
³College of Pharmaceutical Science, Zhejiang University of Technology, Hangzhou
310014, Zhejiang, China.

wlbao@css.zju.edu.cn

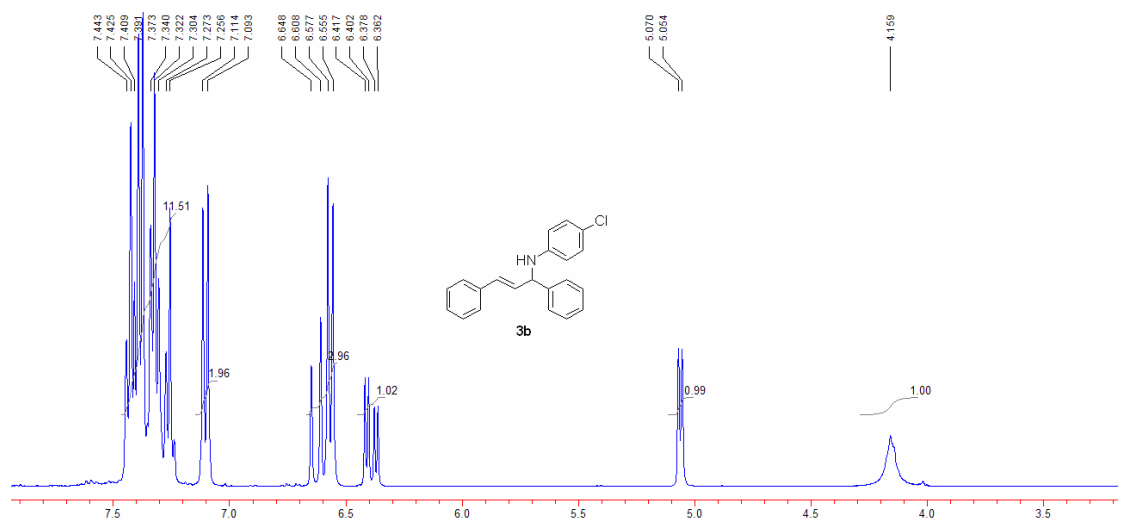
Supporting Information
List of contents

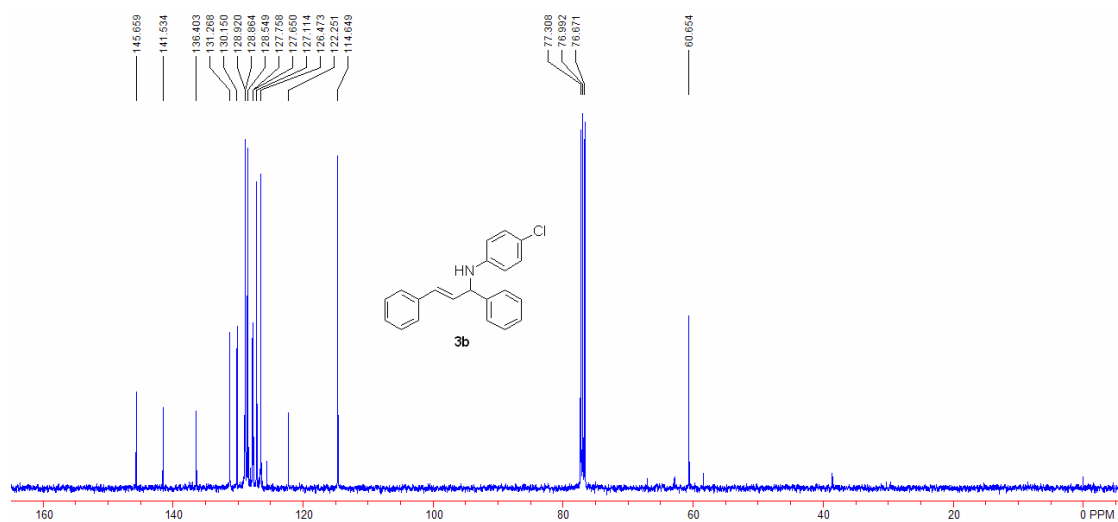
¹ H and ¹³ C NMR spectra copies of compounds 3a-3x	2-15
¹ H and ¹³ C NMR spectra copies of compounds 4a	15
¹ H and ¹³ C NMR spectra copies of compounds 6a-6n	16-24

3a HNMR 400 MHz, CNMR 100 MHz

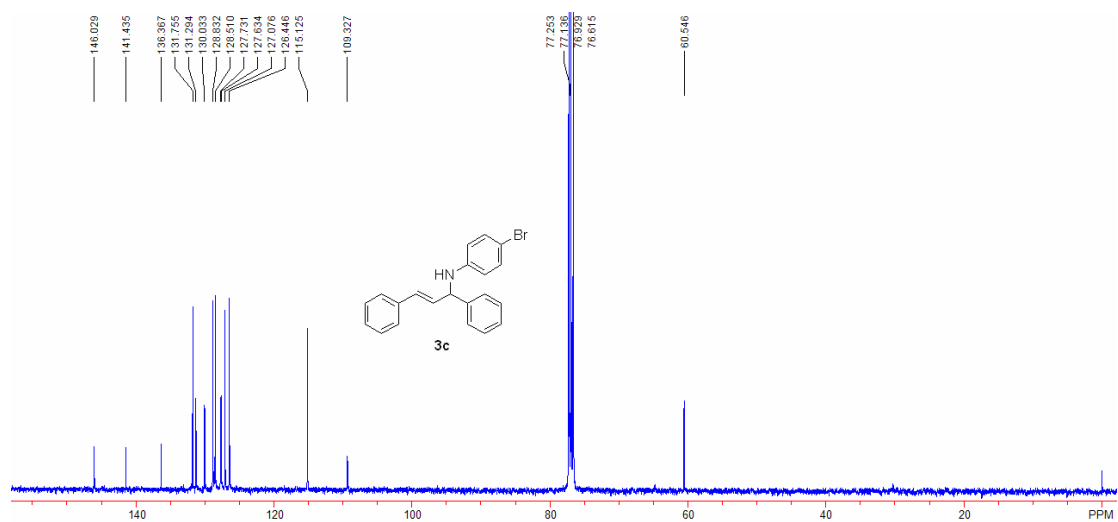
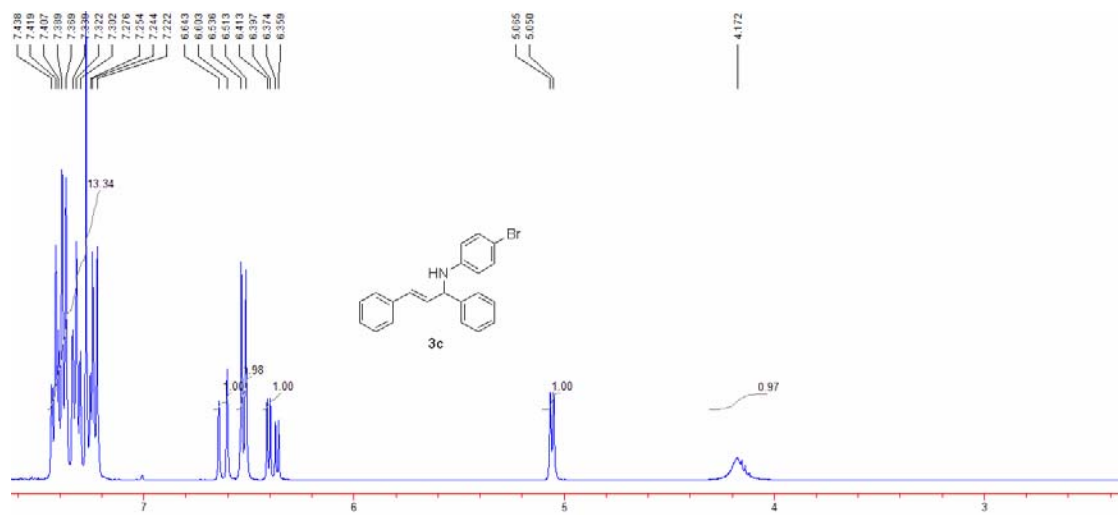


3b HNMR 400 MHz, CNMR 100 MHz

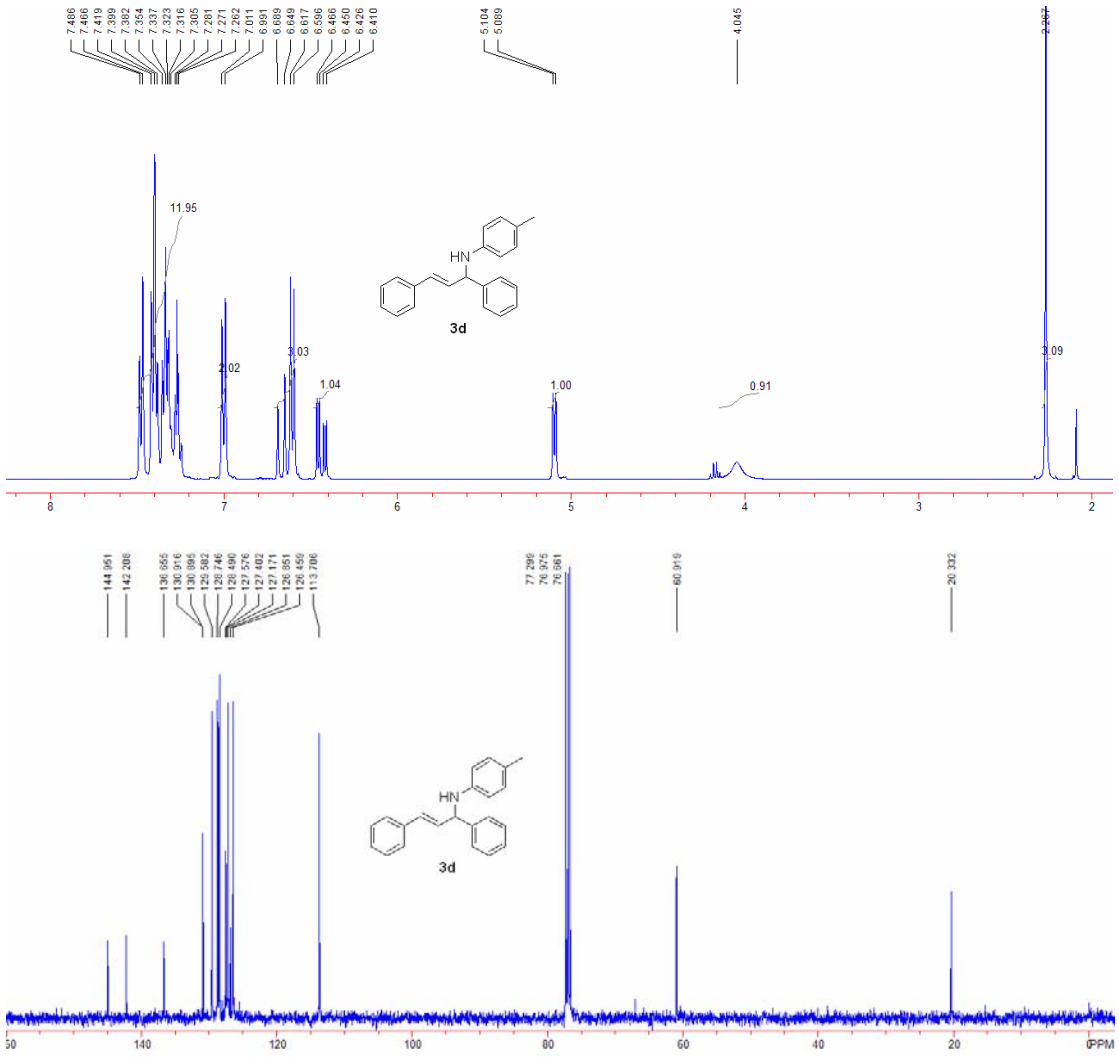




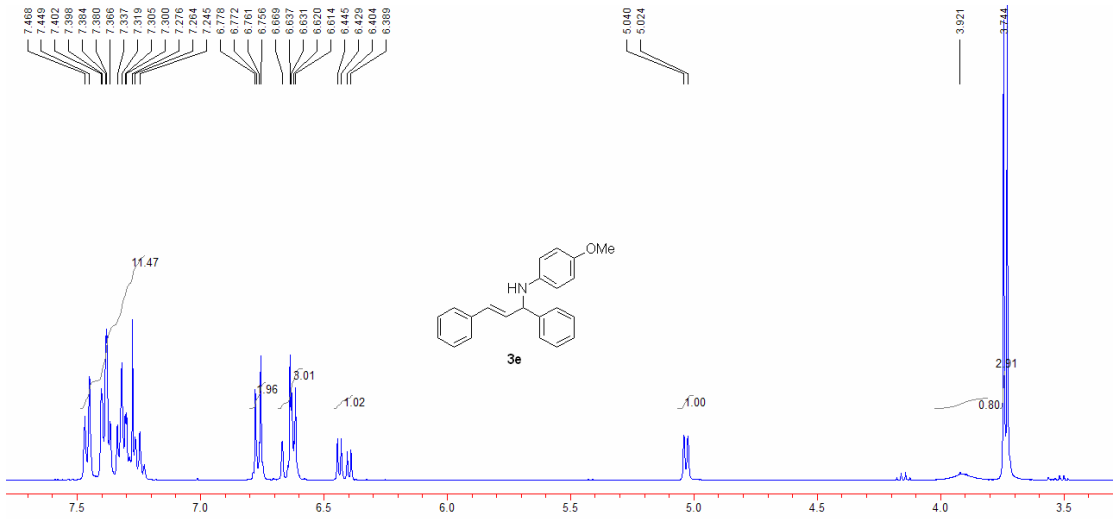
3c HNMR 400 MHz, CNMR 100 MHz

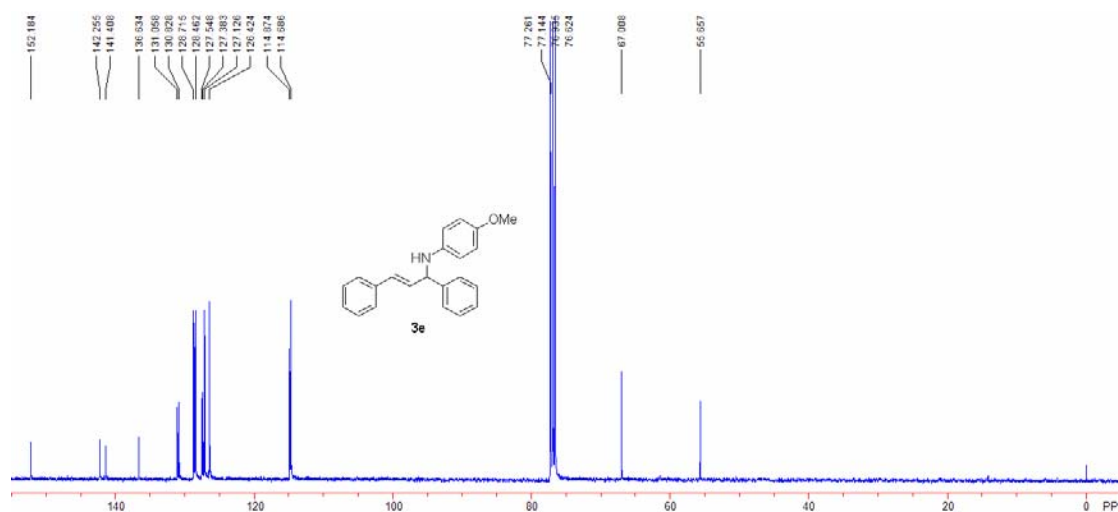


3d HNMR 400 MHz, CNMR 100 MHz

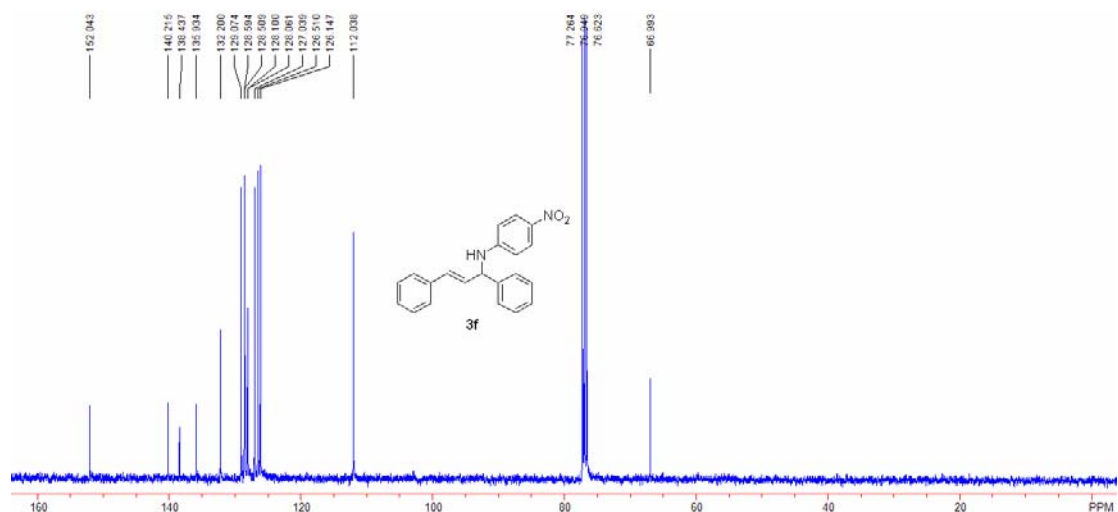
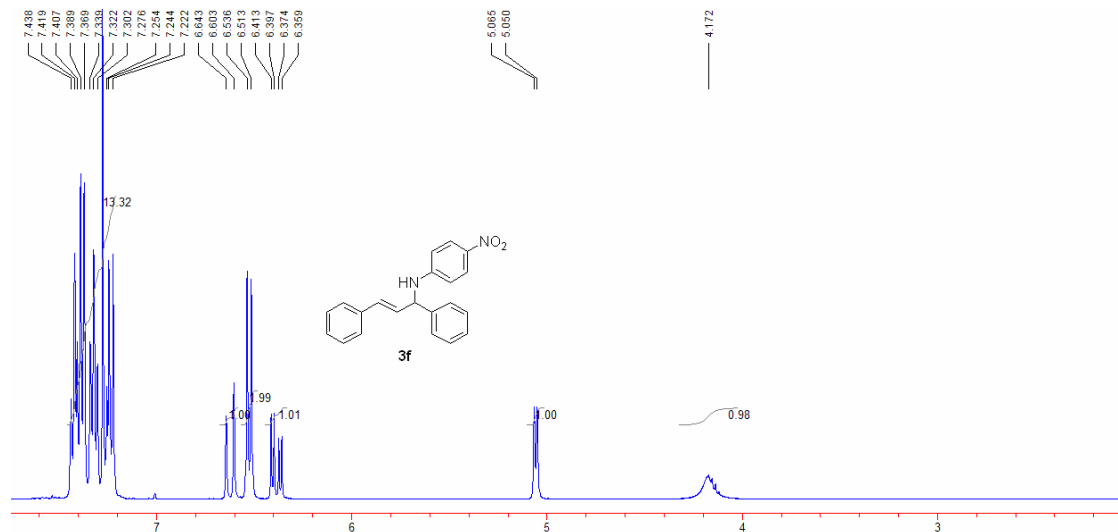


3e HNMR 400 MHz, CNMR 100 MHz

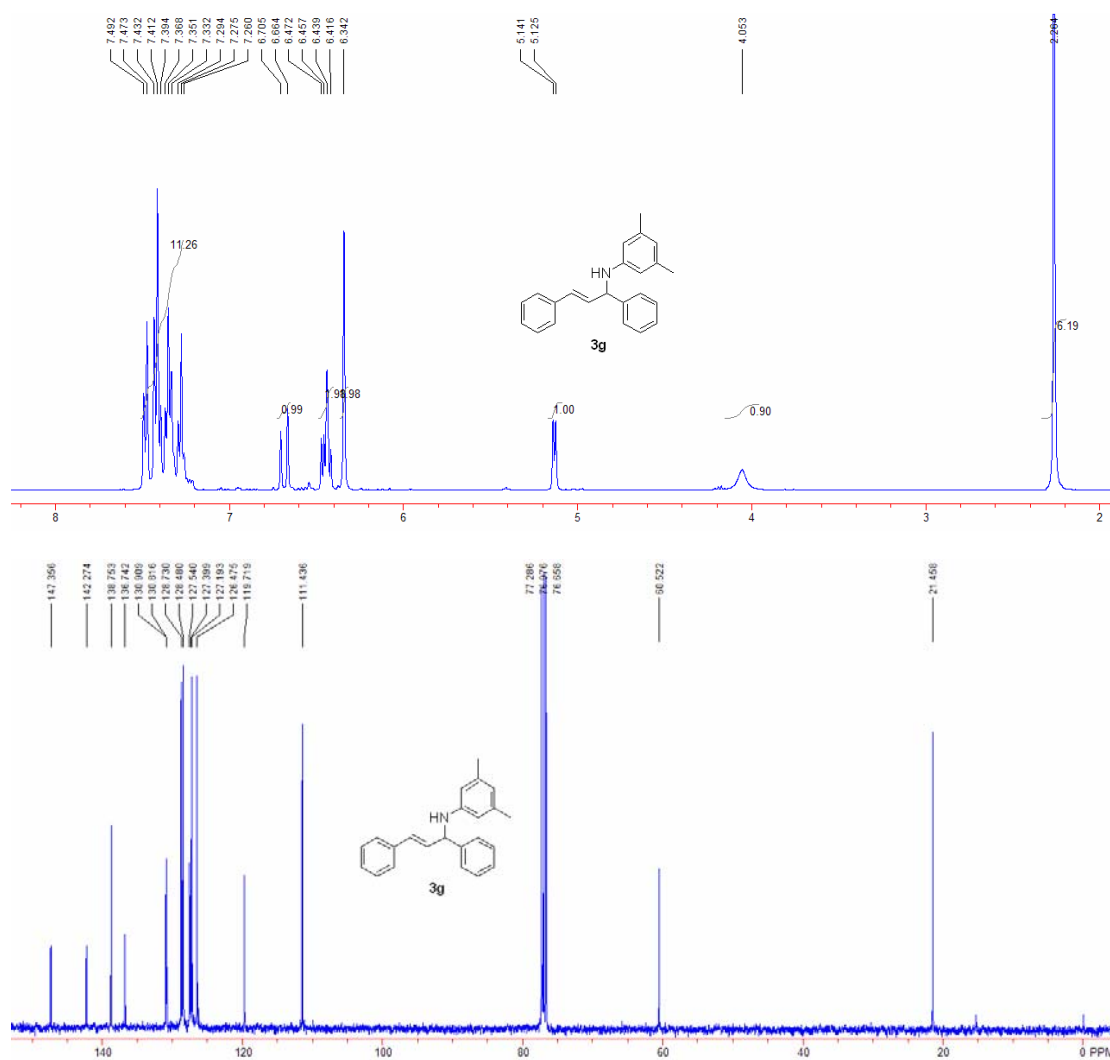




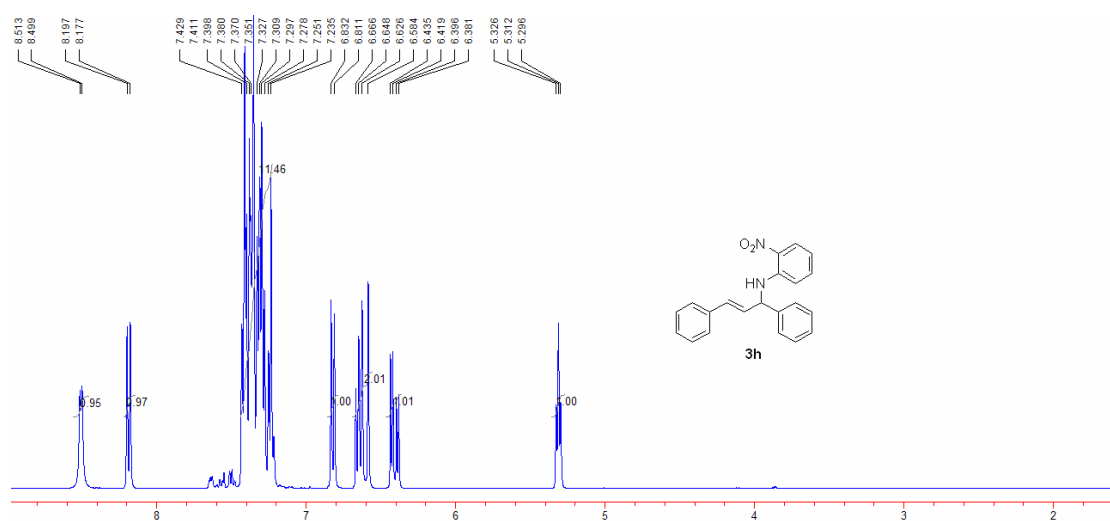
3f ¹H NMR 400 MHz, ¹³C NMR 100 MHz

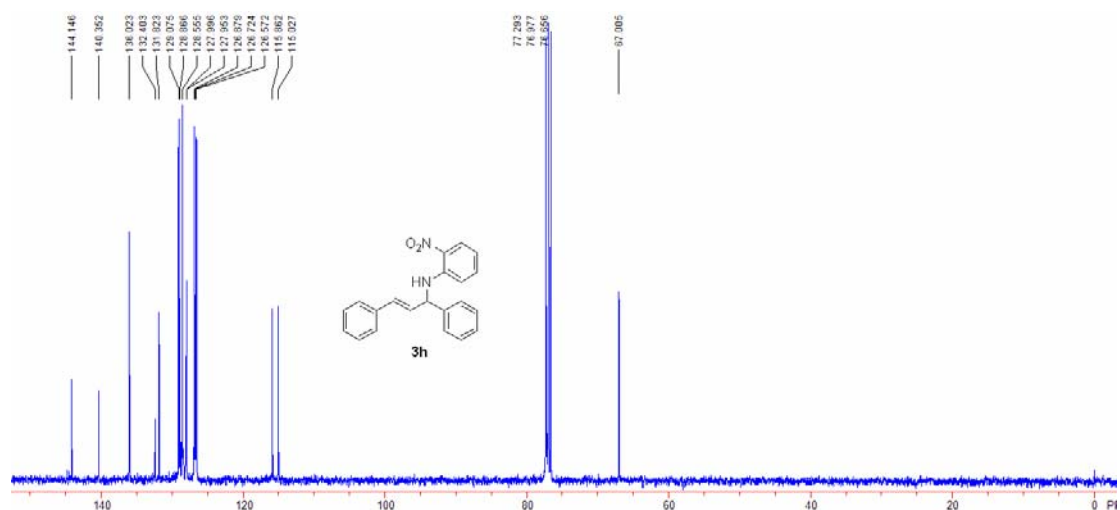


3g HNMR 400 MHz, CNMR 100 MHz

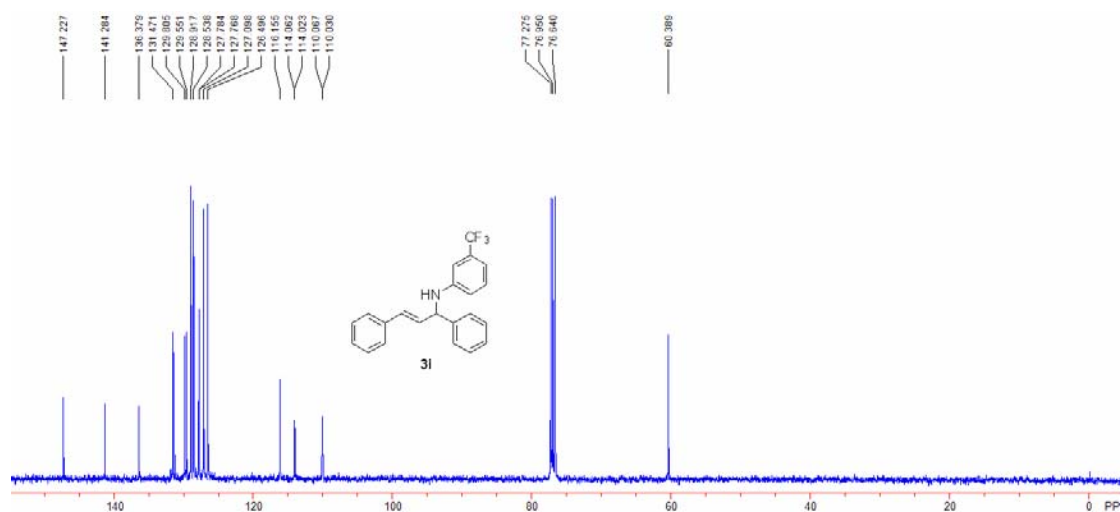
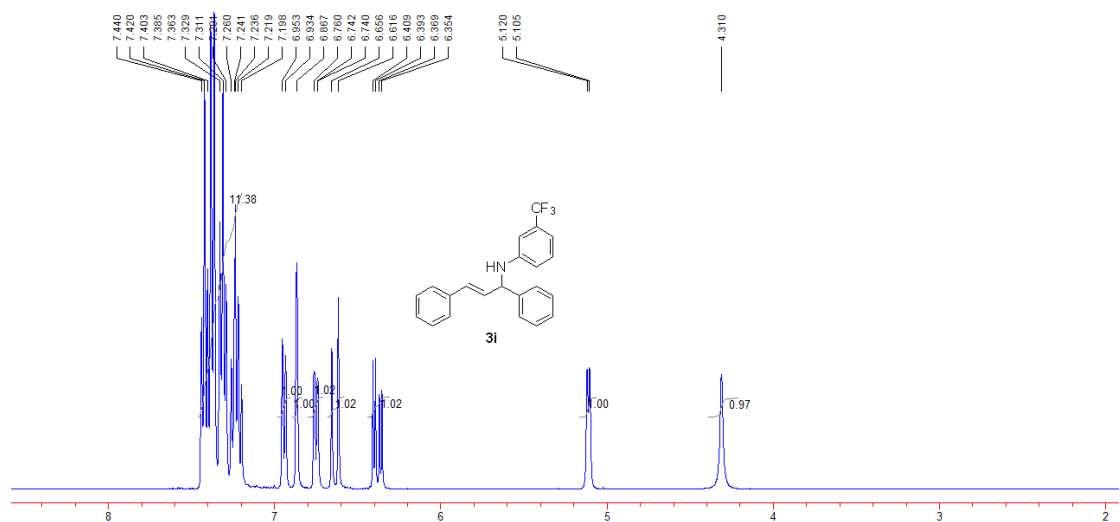


3h HNMR 400 MHz, CNMR 100 MHz

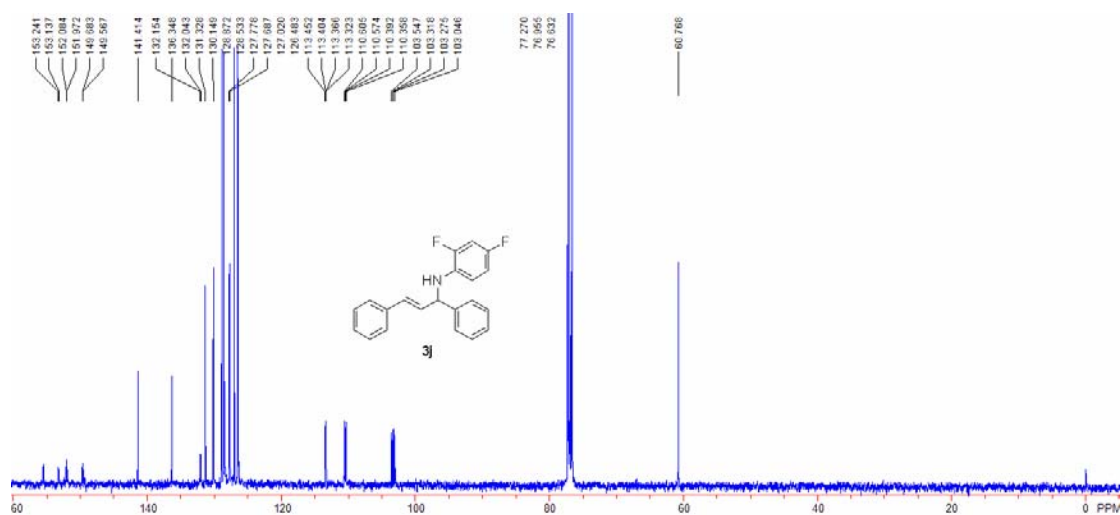
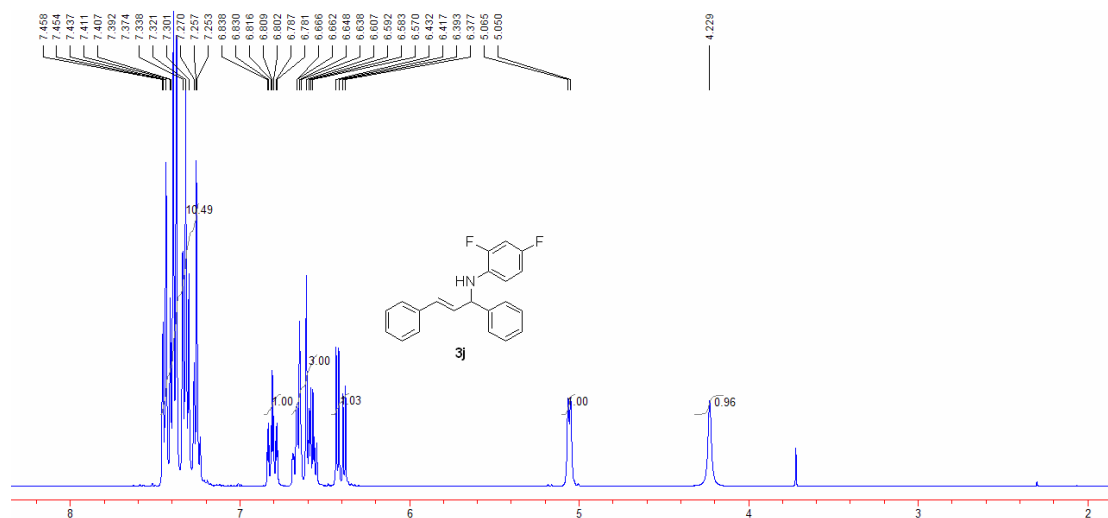




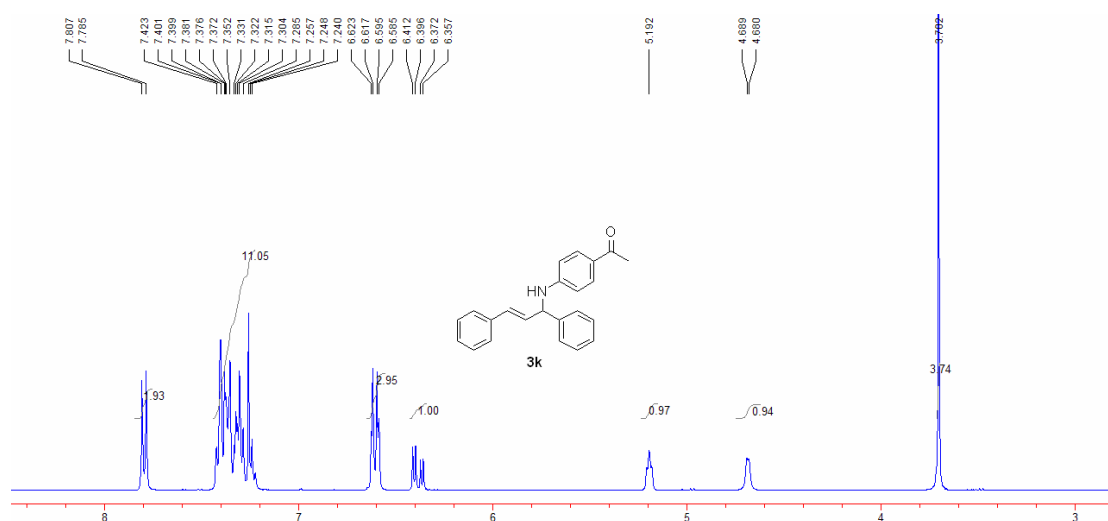
3i HNMR 400 MHz, CNMR 100 MHz

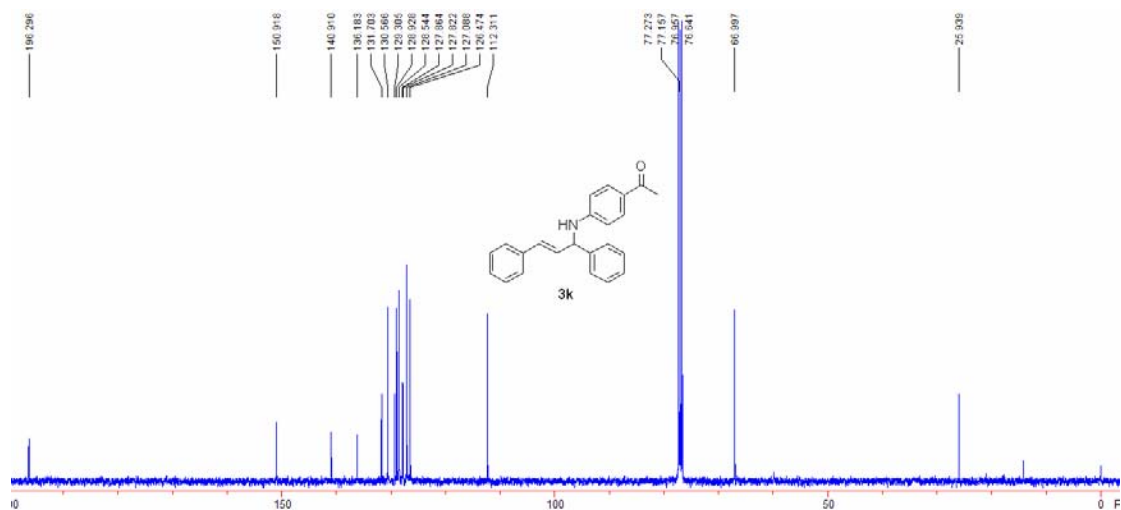


3j HNMR 400 MHz, CNMR 100 MHz

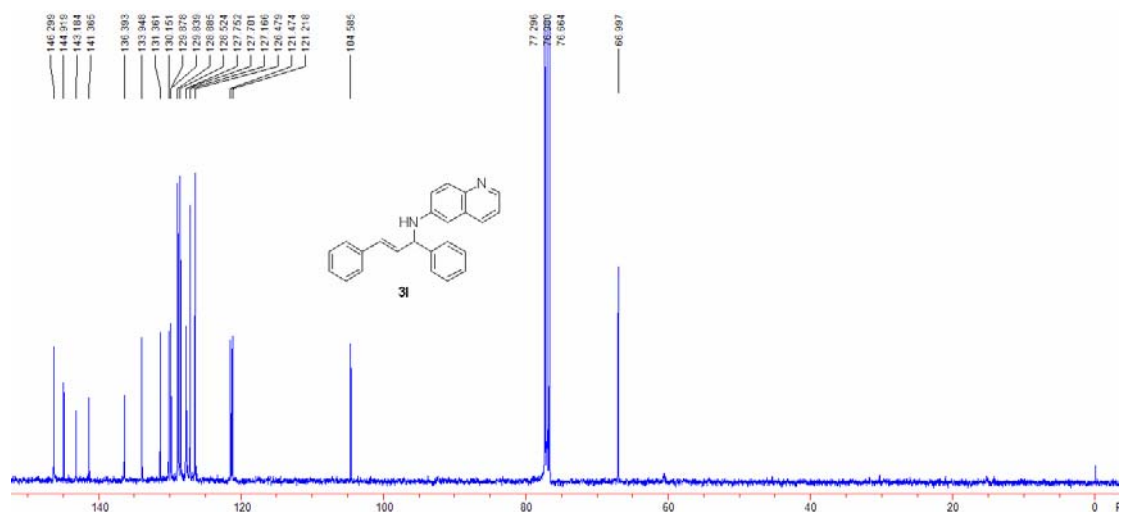
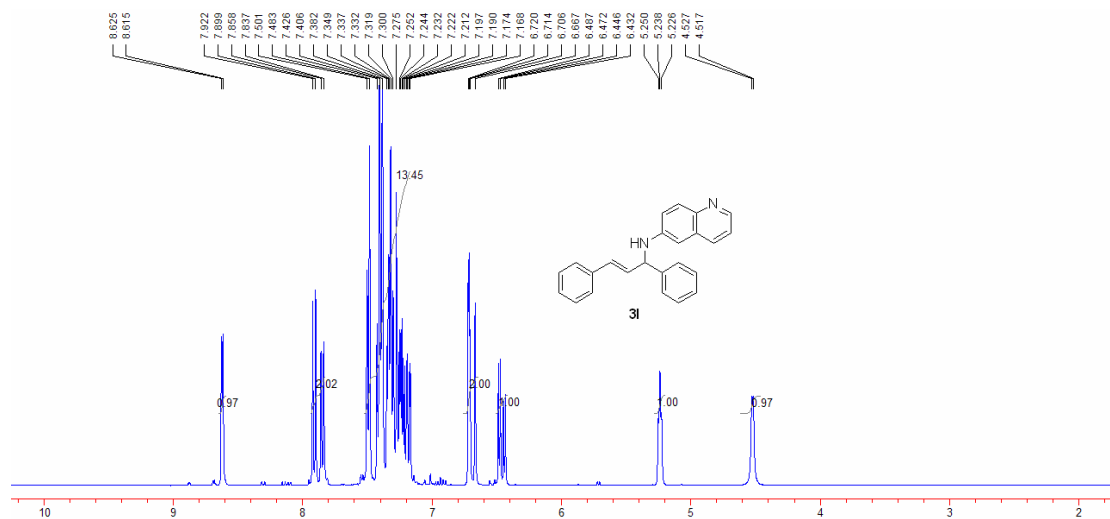


3k HNMR 400 MHz, CNMR 100 MHz

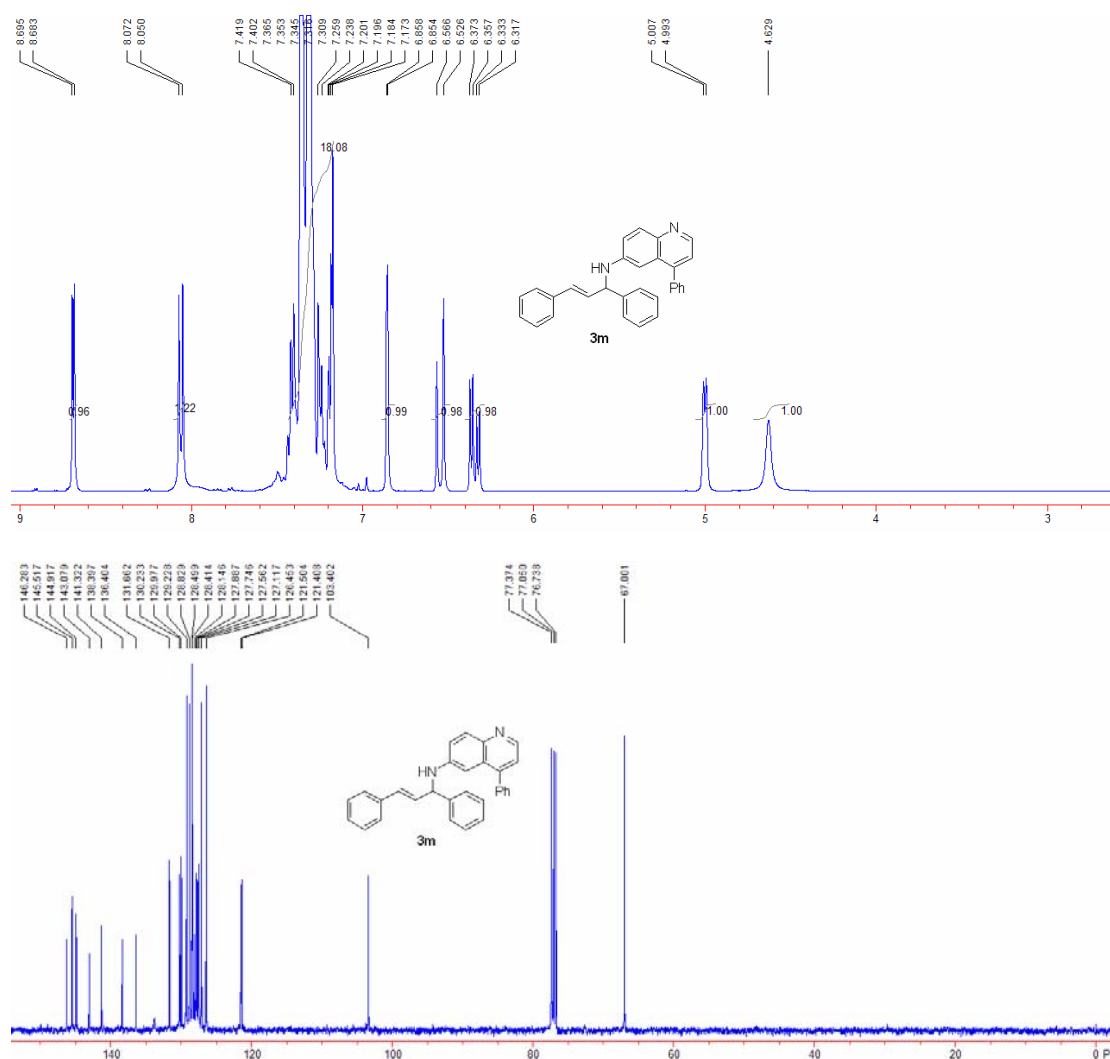




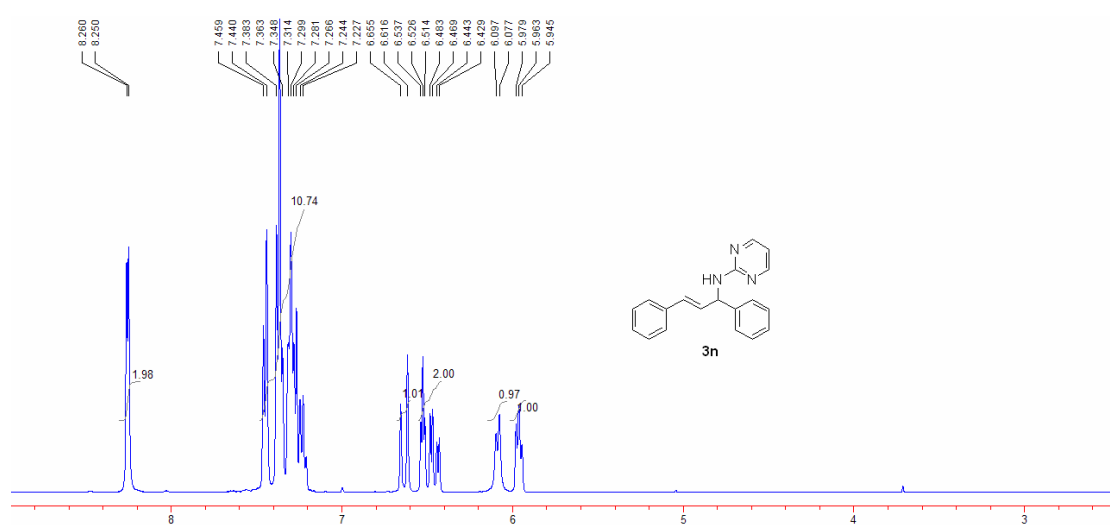
³¹P NMR 400 MHz, CNMR 100 MHz

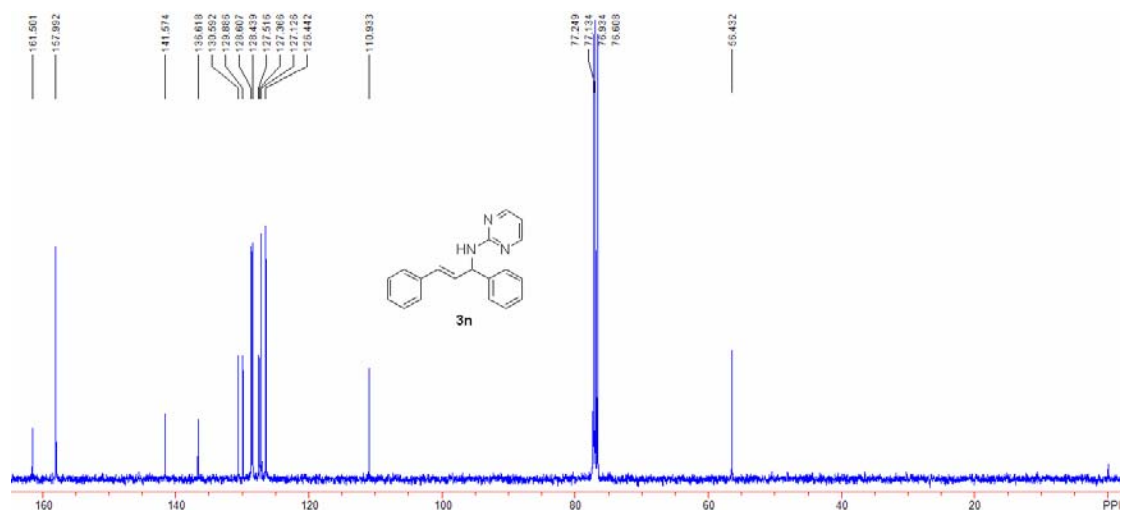


3m HNMR 400 MHz, CNMR 100 MHz

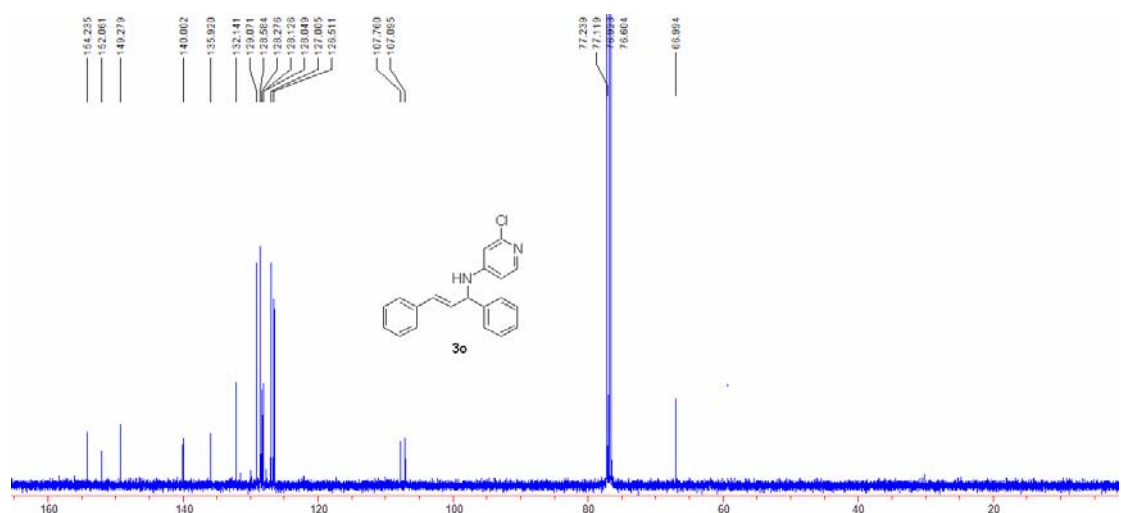
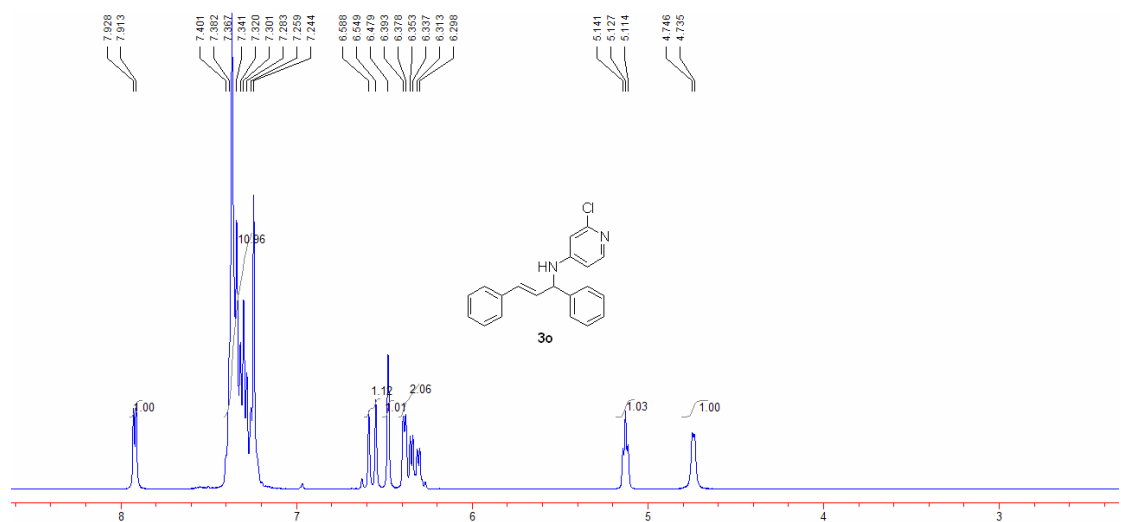


3n HNMR 400 MHz, CNMR 100 MHz

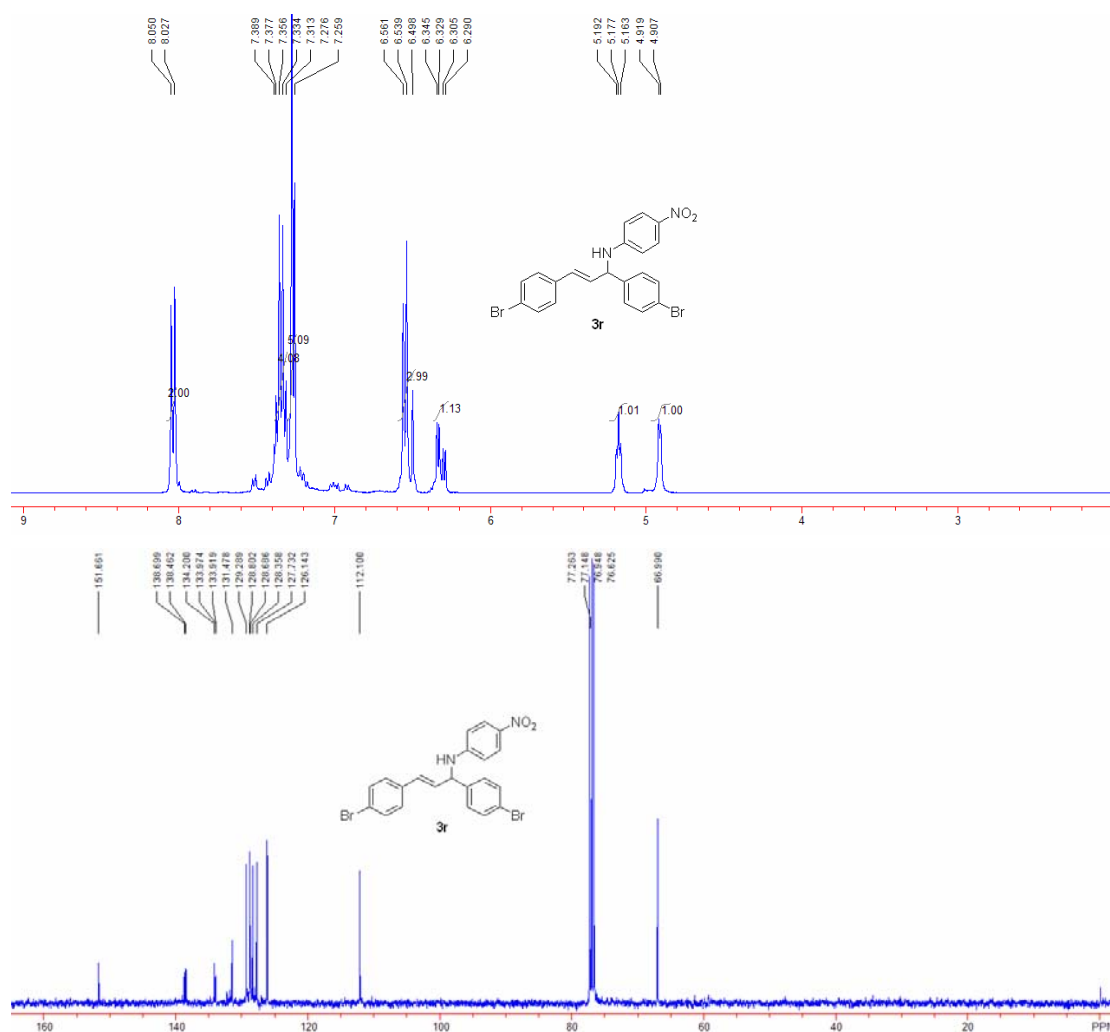




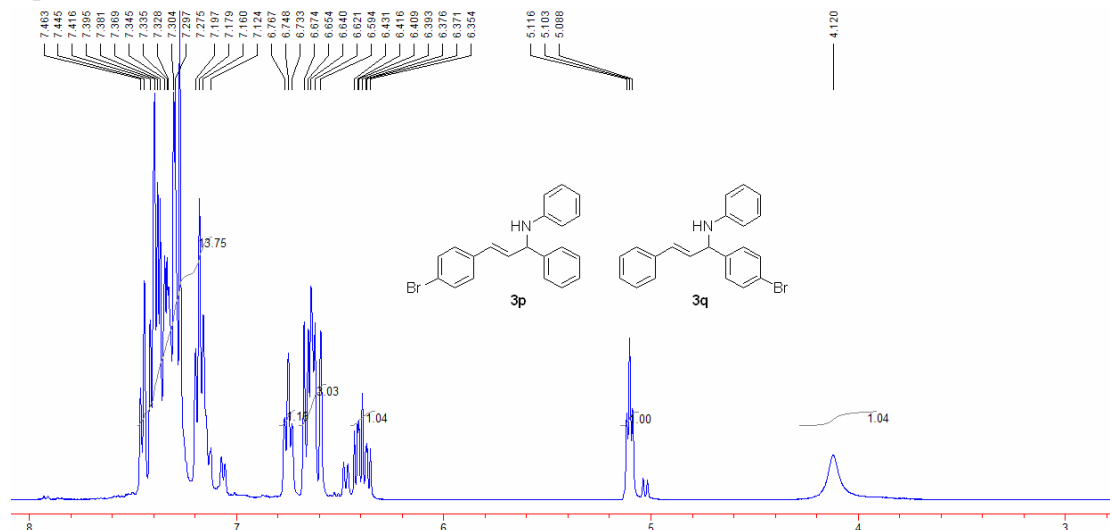
3o HNMR 400 MHz, CNMR 100 MHz

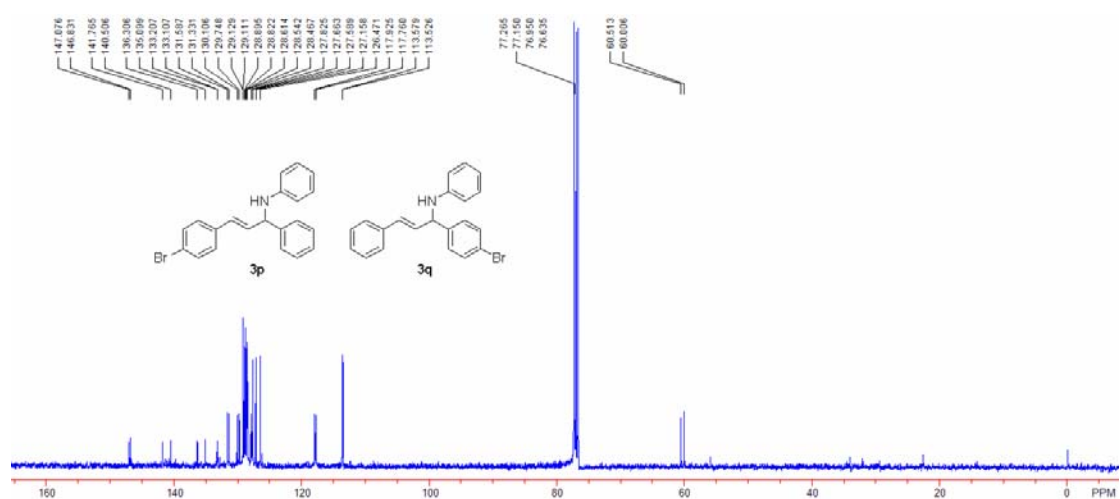


3p HNMR 400 MHz, CNMR 100 MHz

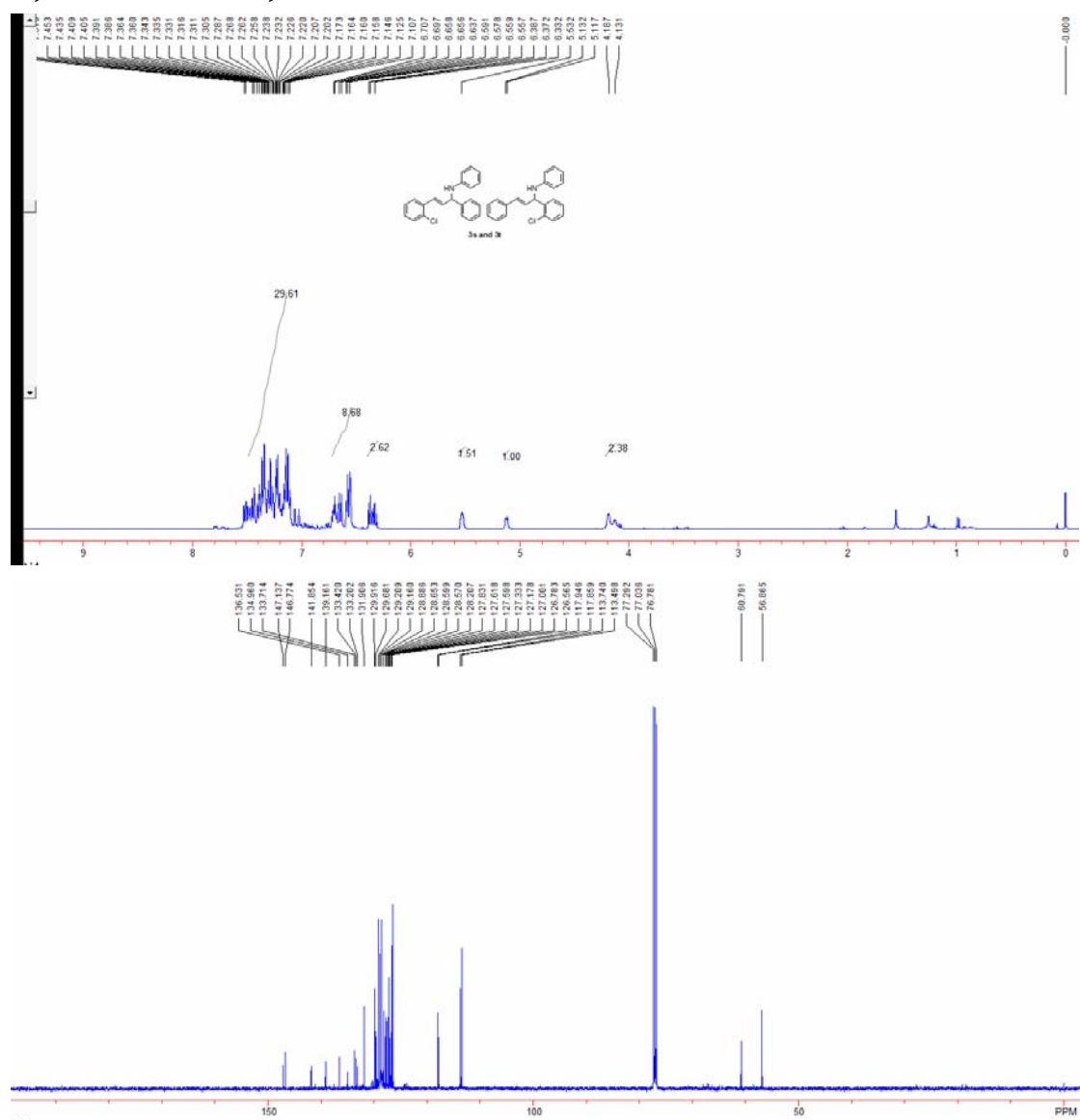


3q,3r HNMR 400 MHz, CNMR 100 MHz

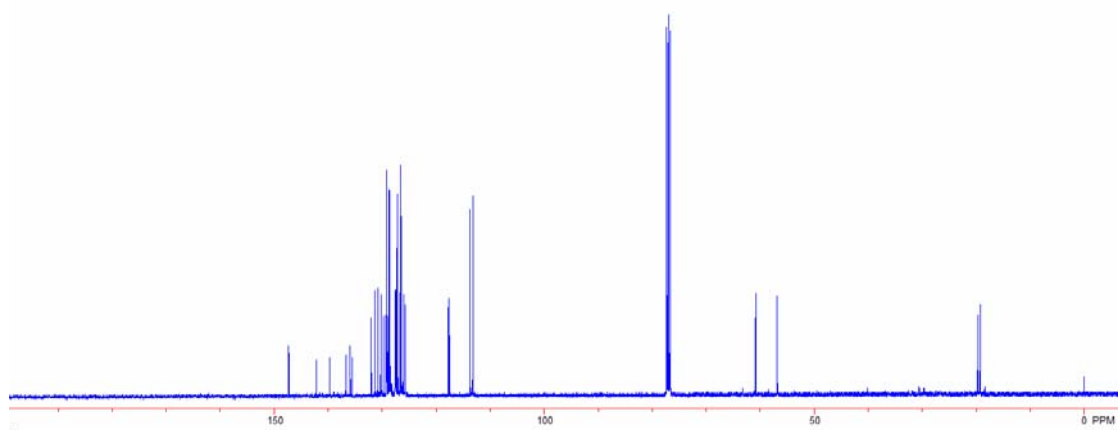
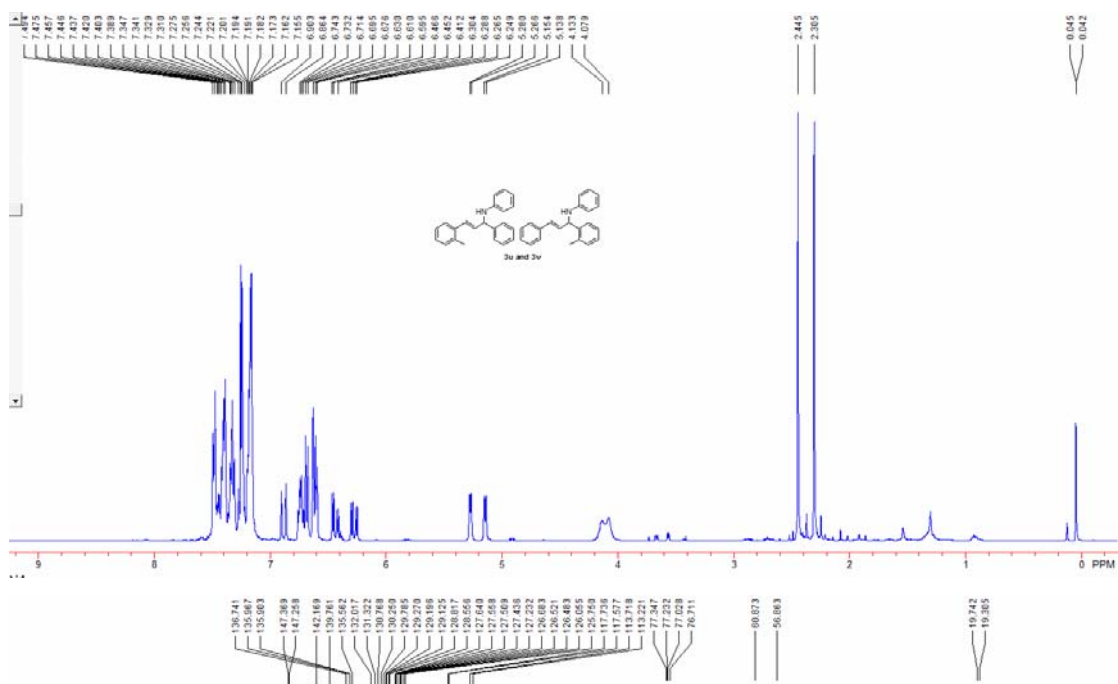




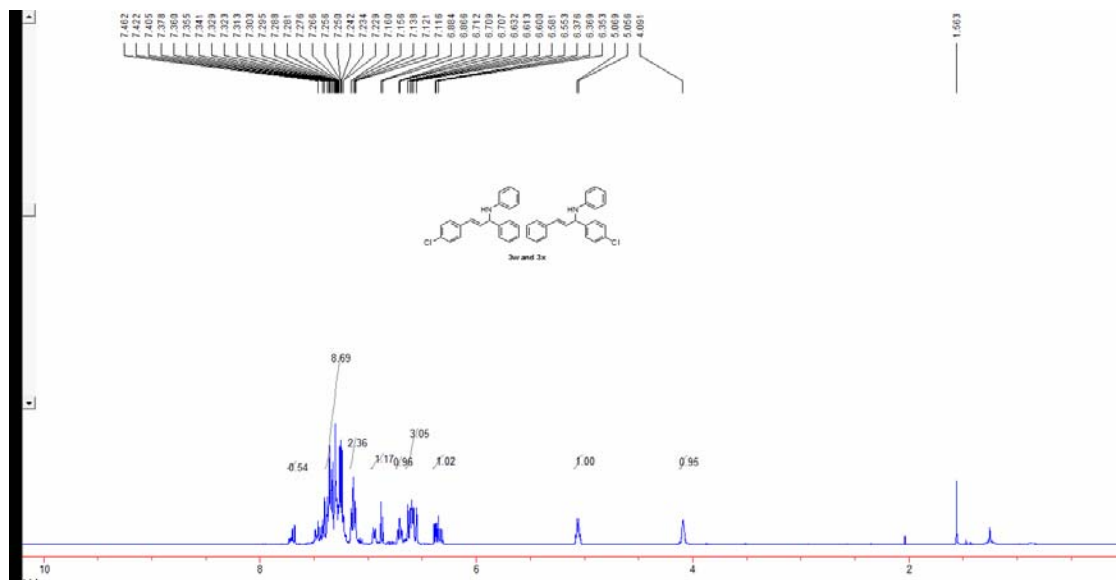
3s,3t HNMR 400 MHz, CNMR 100 MHz

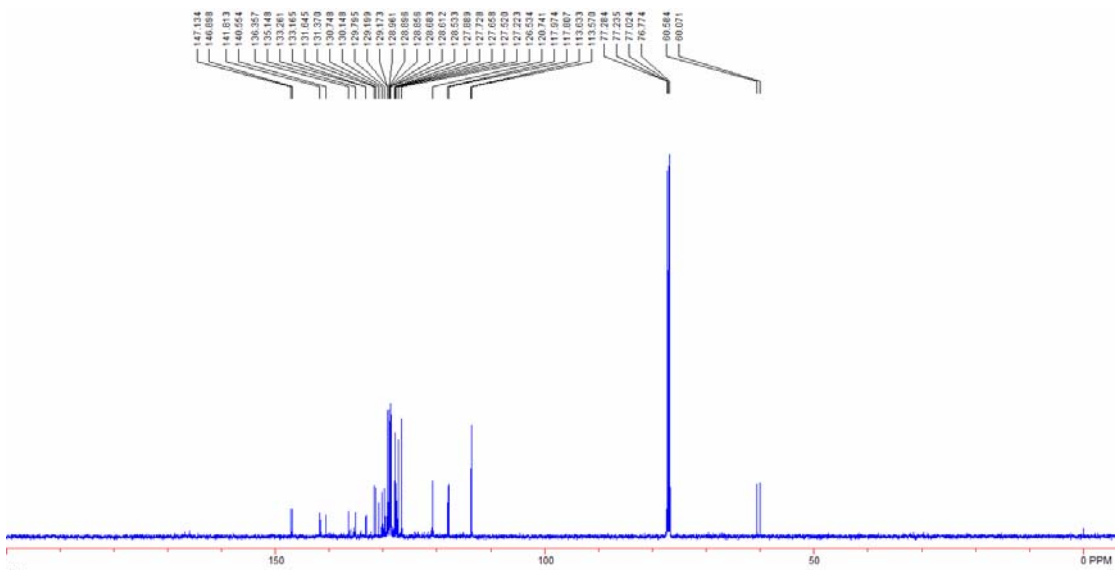


3u,3v HNMR 400 MHz, CNMR 100 MHz

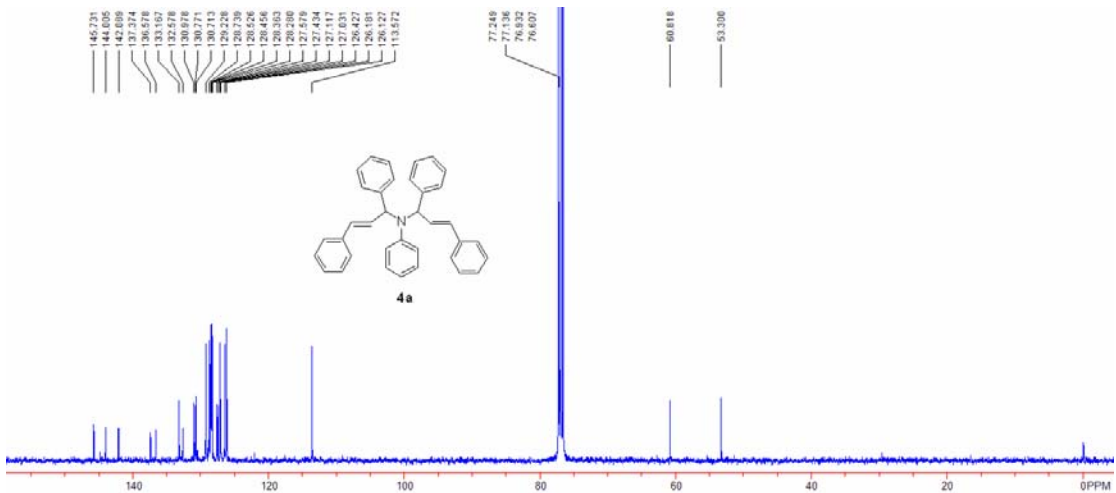
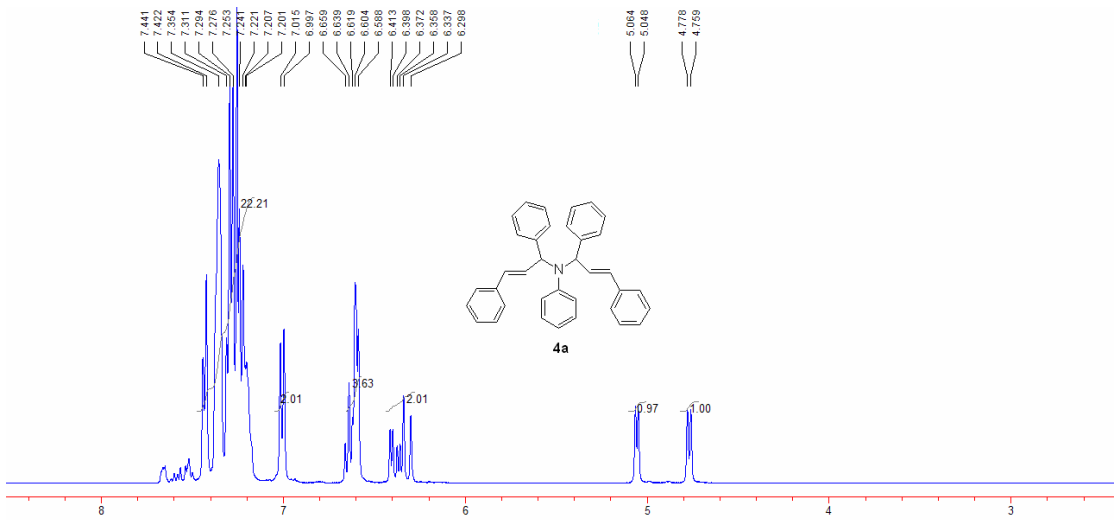


3w,3x HNMR 400 MHz, CNMR 100 MHz

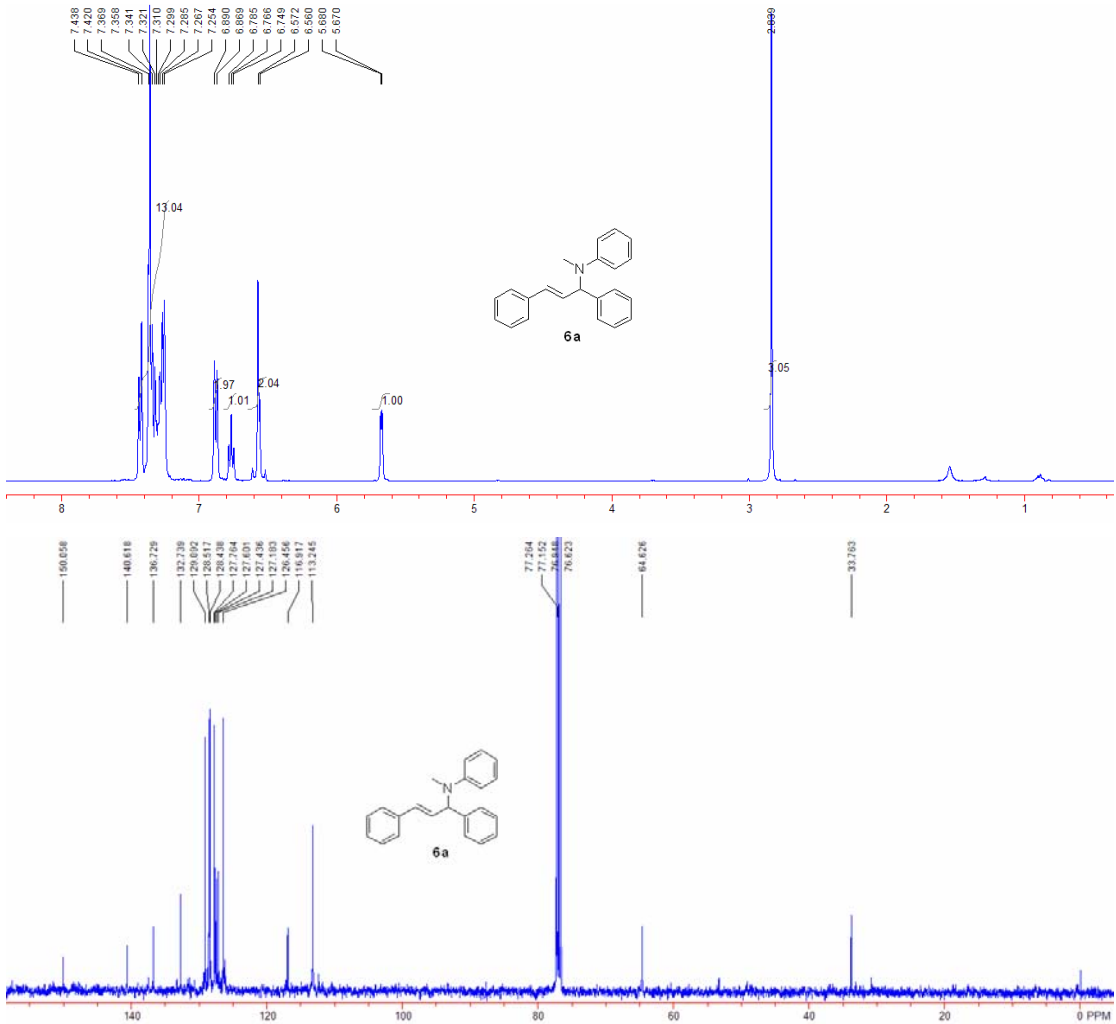




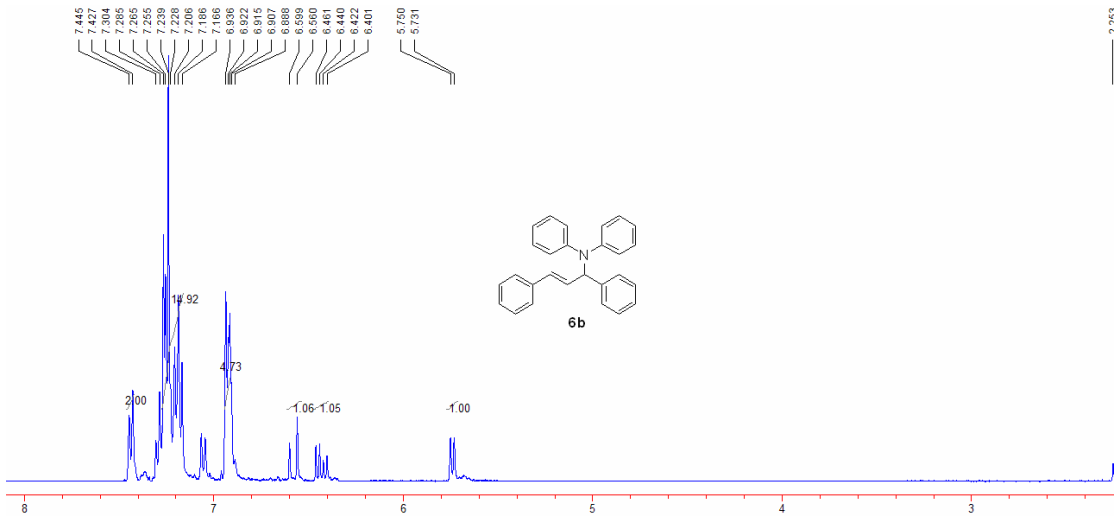
4a HNMR 400 MHz, CNMR 100 MHz

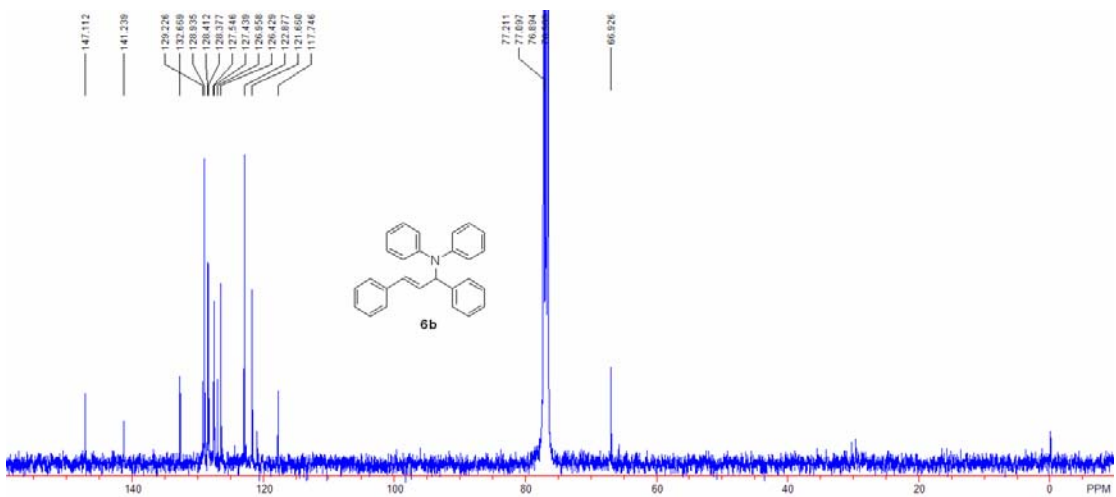


6a HNMR 400 MHz, CNMR 100 MHz

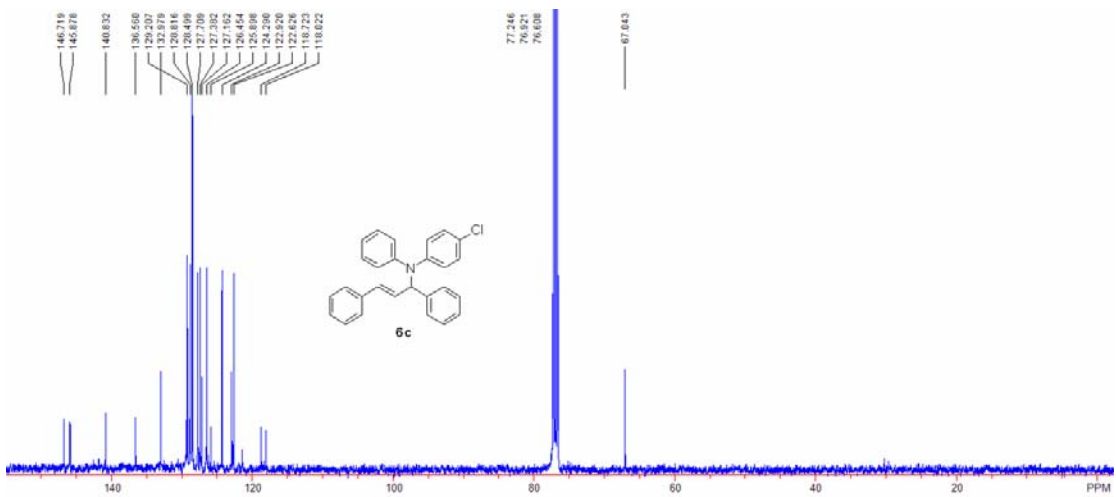
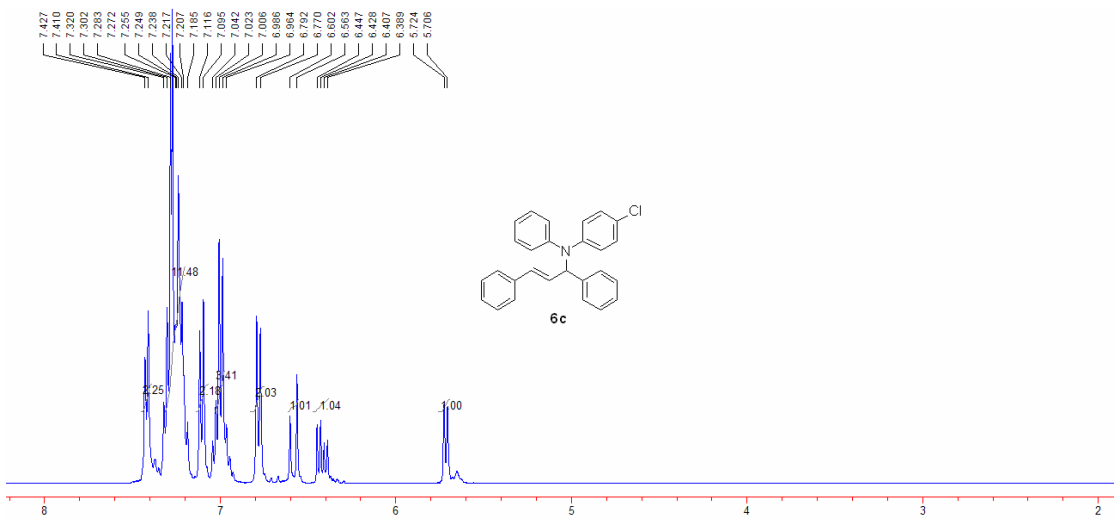


6b HNMR 400 MHz, CNMR 100 MHz

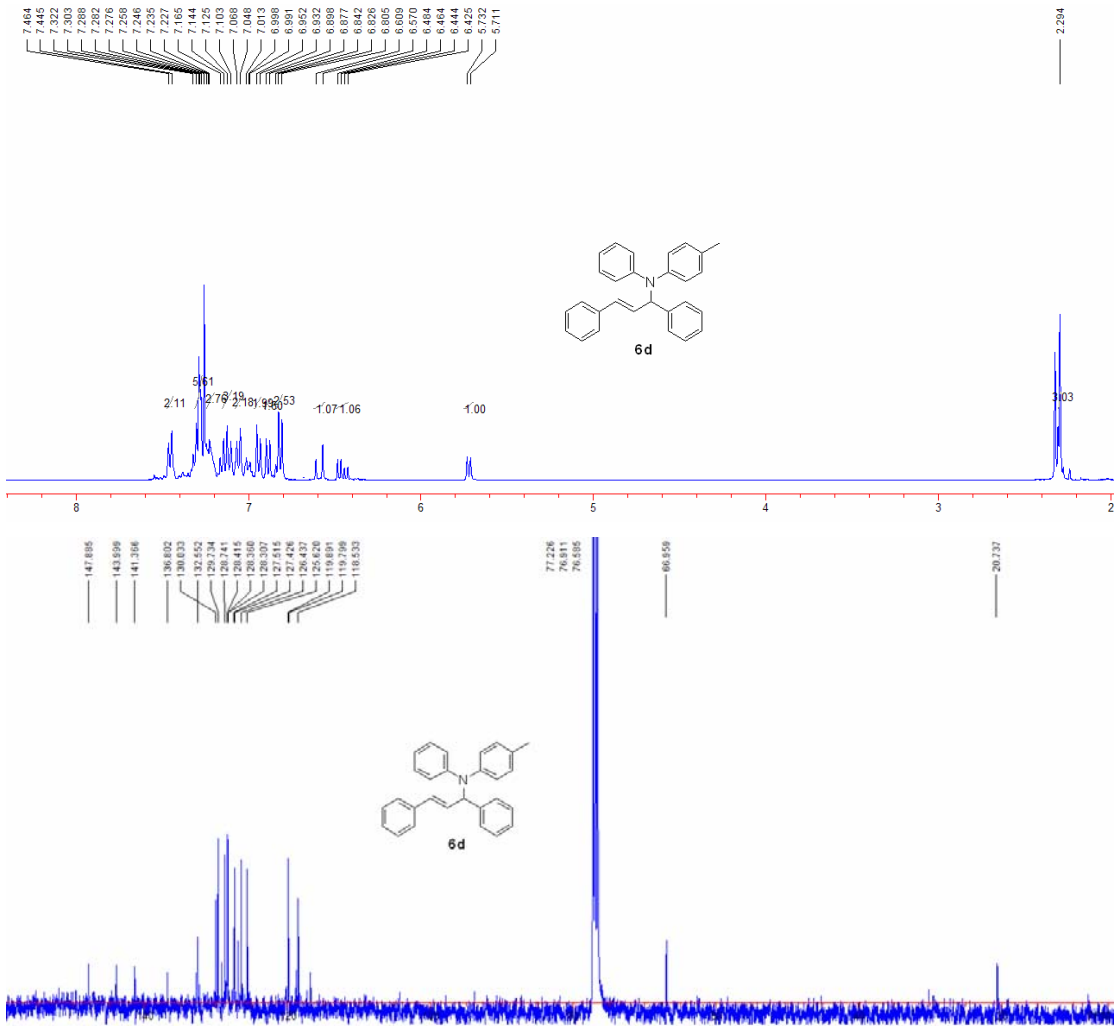




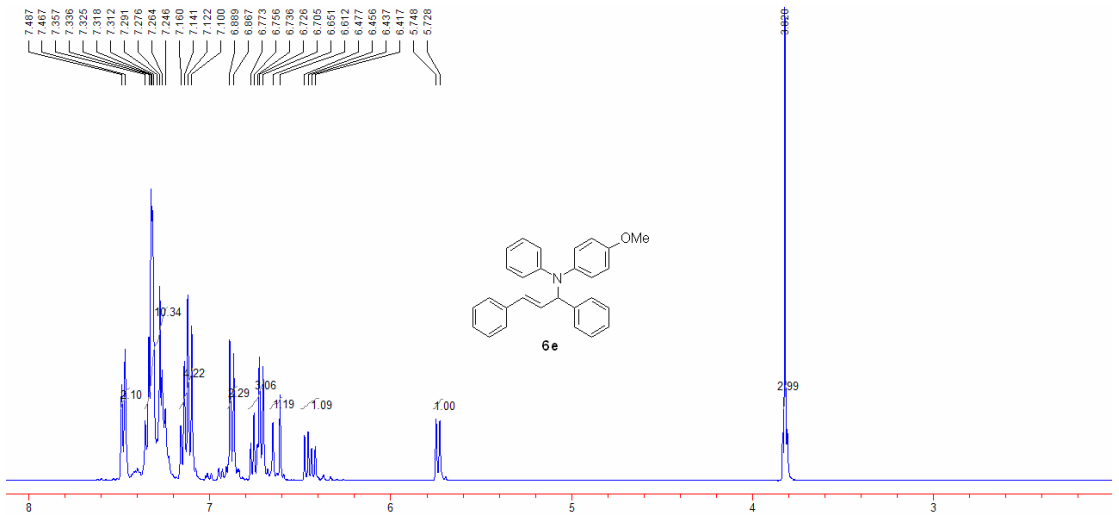
6c HNMR 400 MHz, CNMR 100 MHz

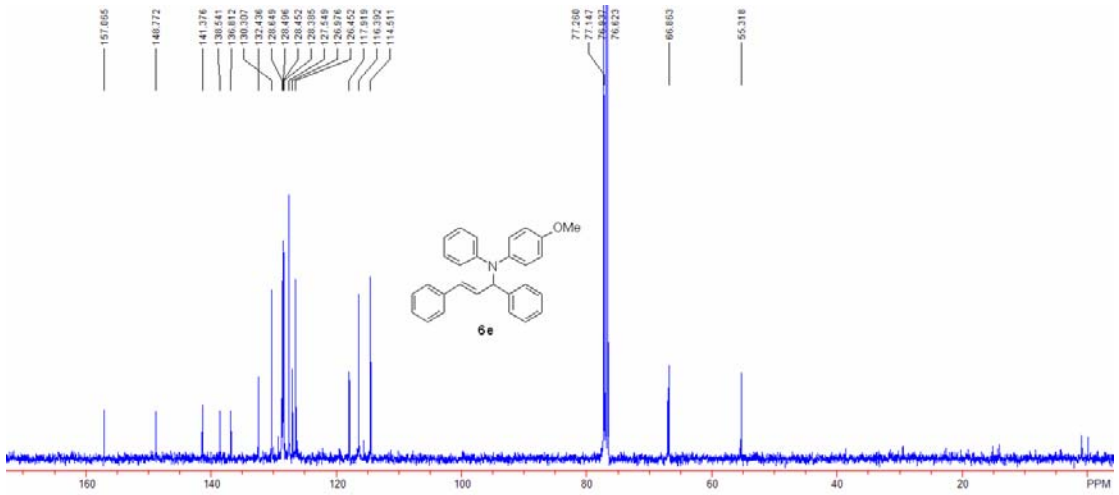


6d HNMR 400 MHz, CNMR 100 MHz

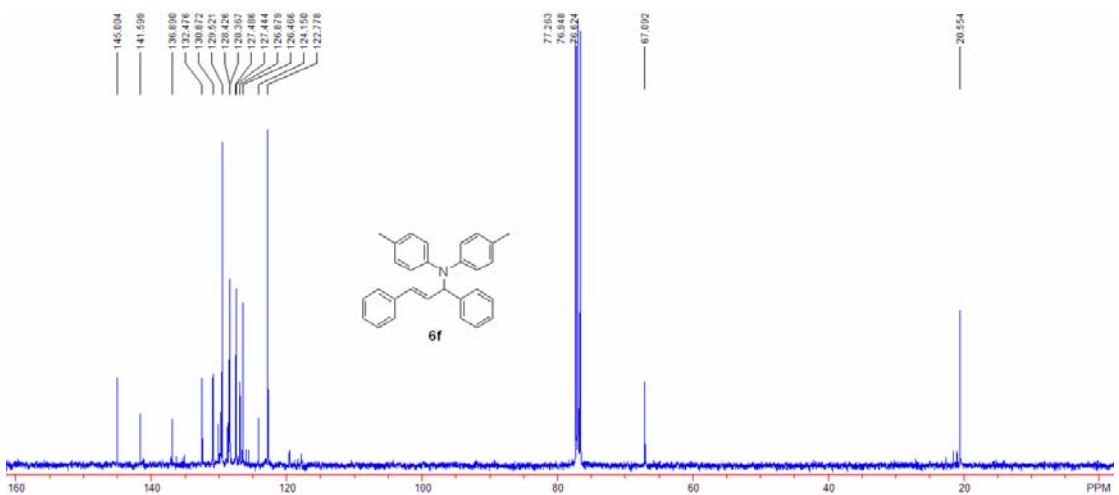
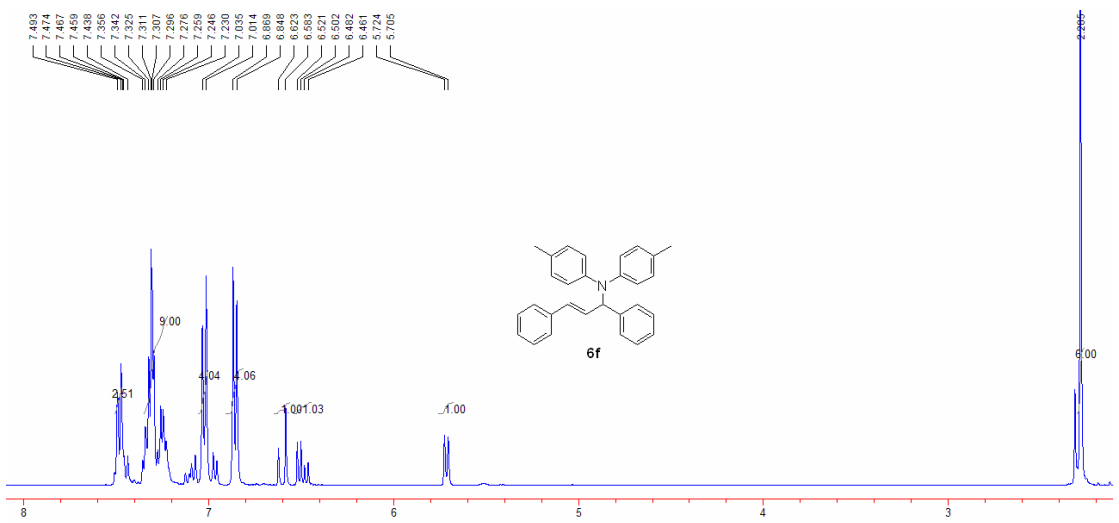


6e HNMR 400 MHz, CNMR 100 MHz

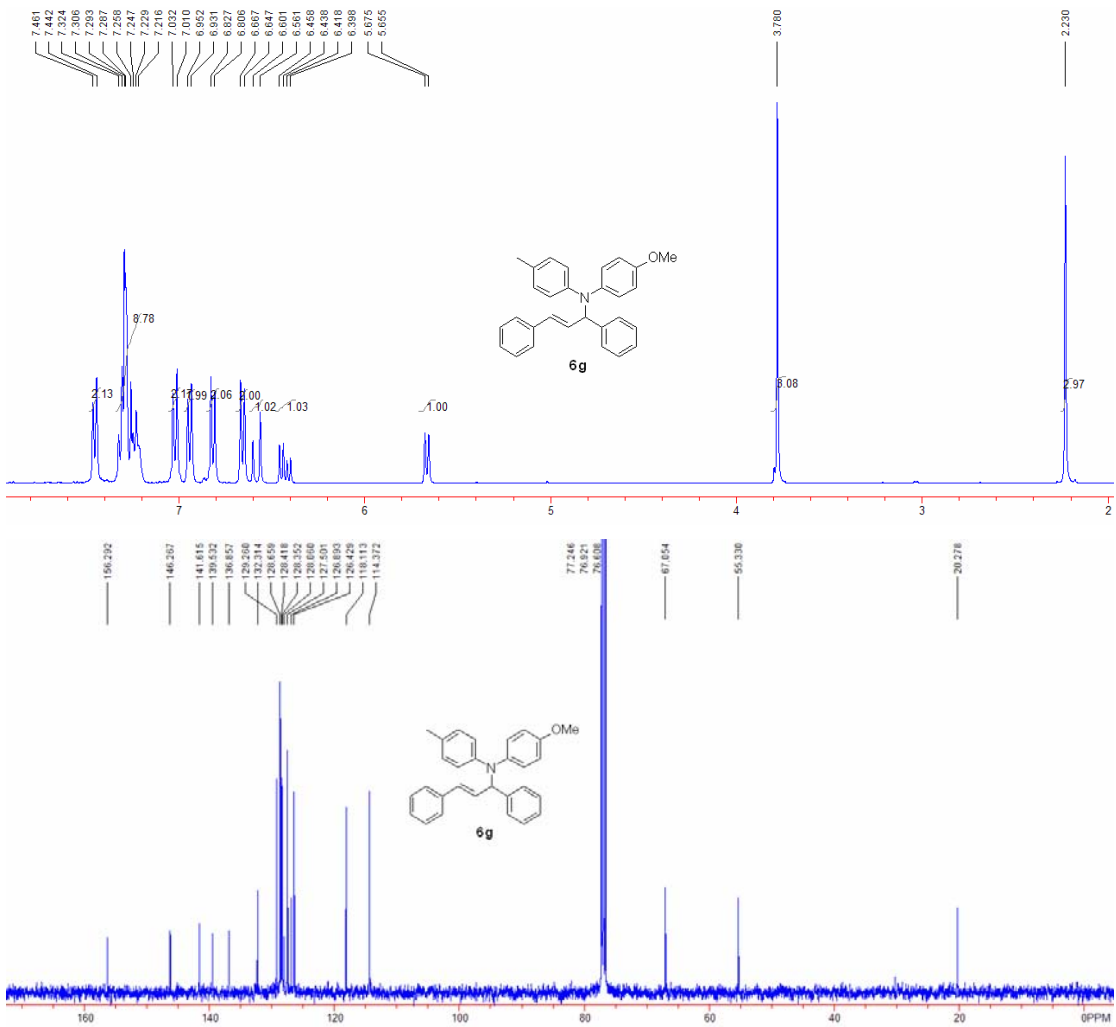




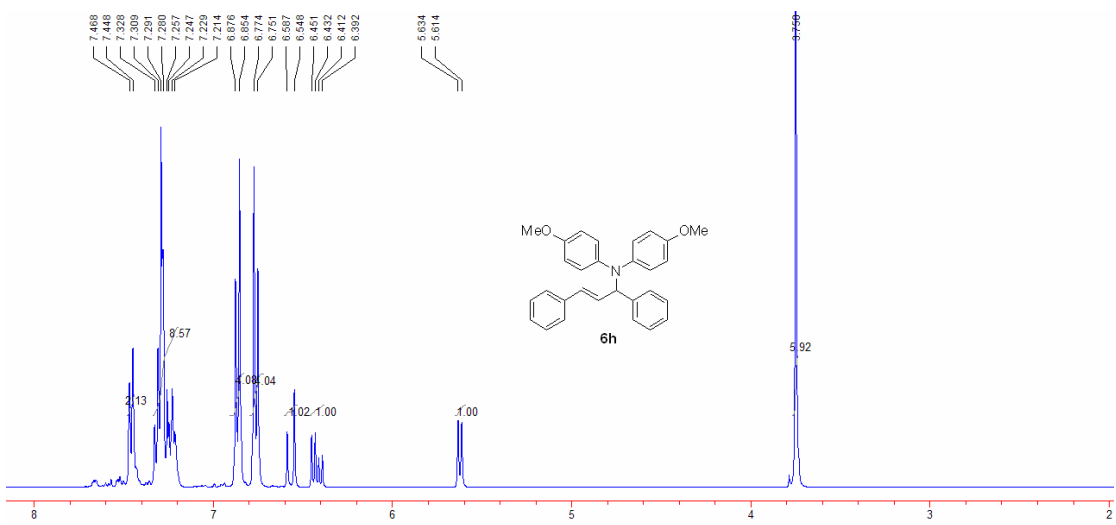
6f HNMR 400 MHz, CNMR 100 MHz

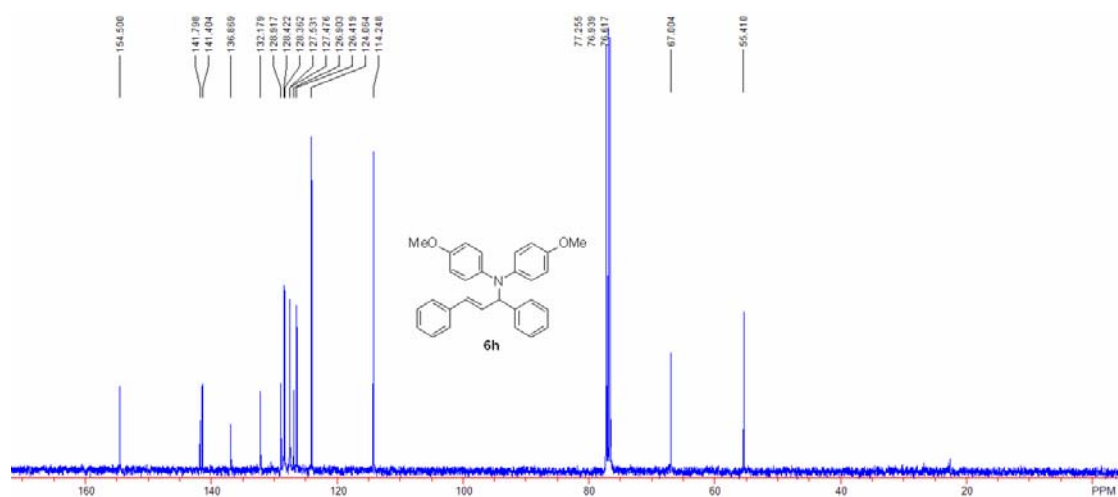


6g HNMR 400 MHz, CNMR 100 MHz

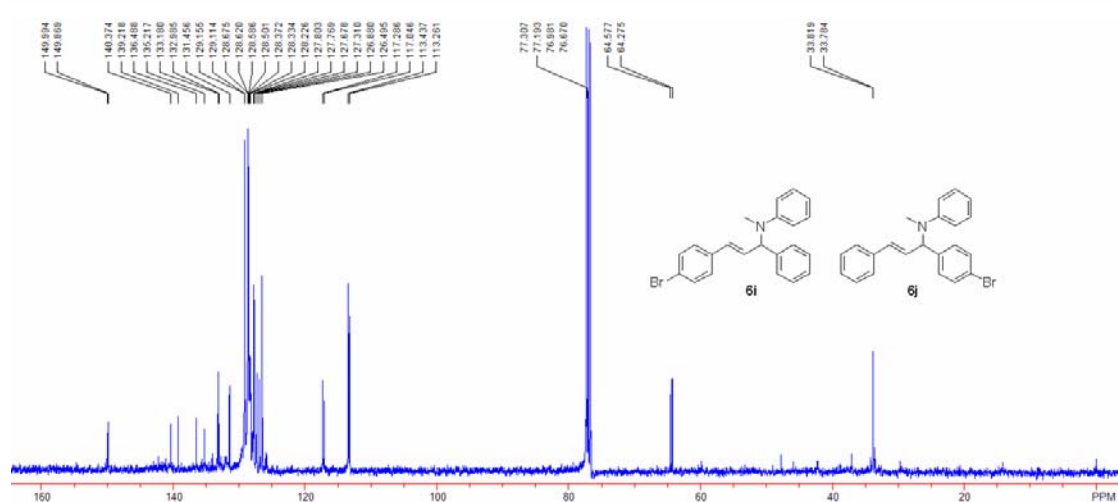
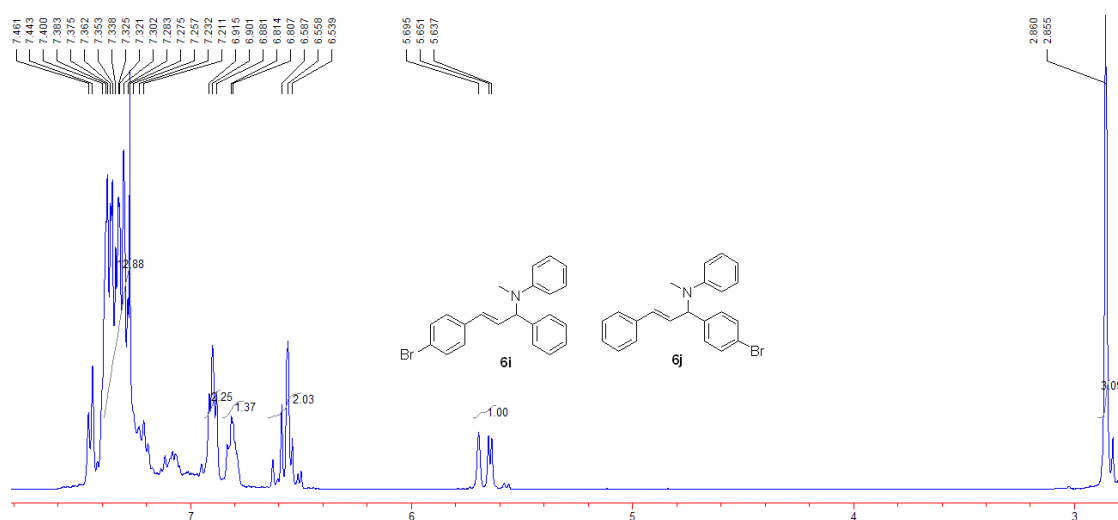


6h HNMR 400 MHz, CNMR 100 MHz

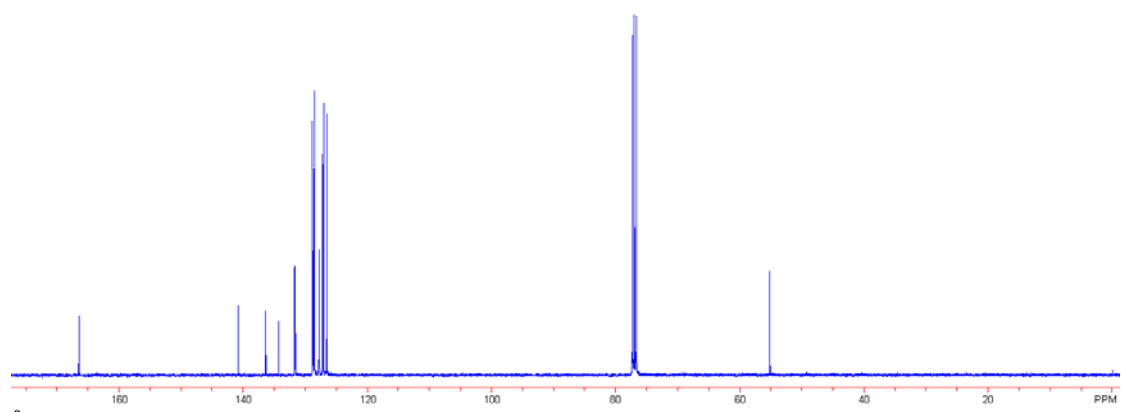
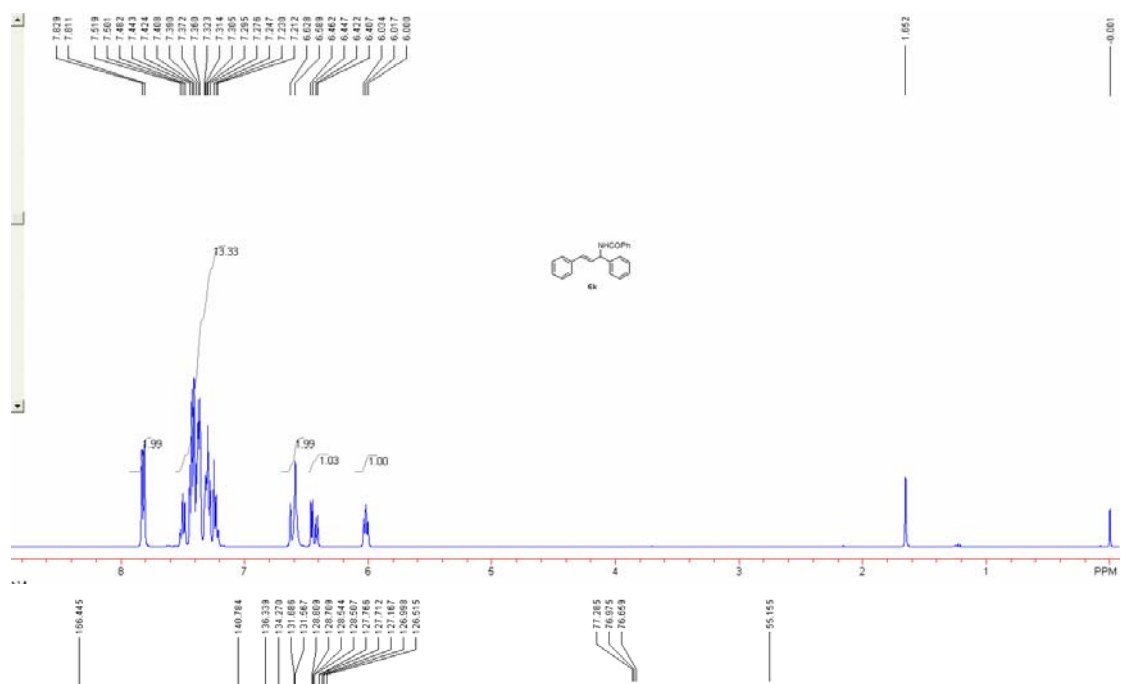




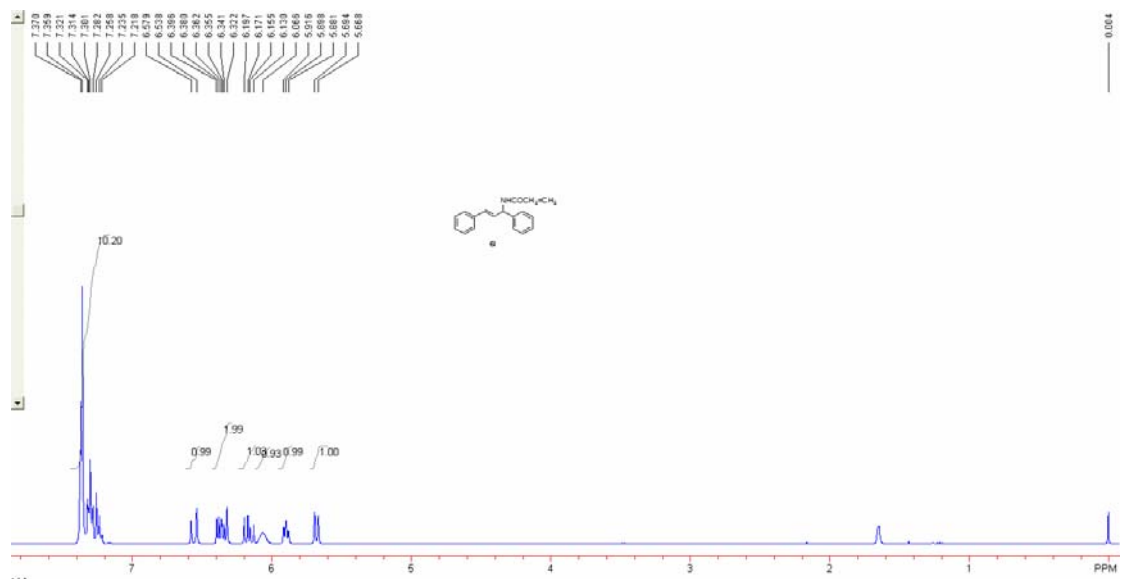
6i,6j HNMR 400 MHz, CNMR 100 MHz

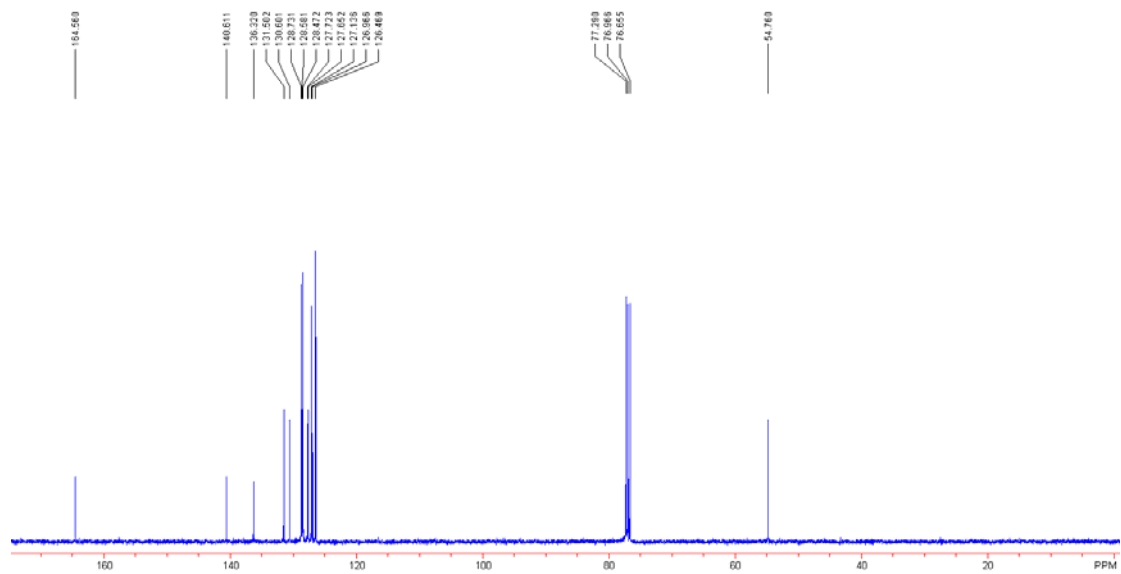


6k HNMR 400 MHz, CNMR 100 MHz

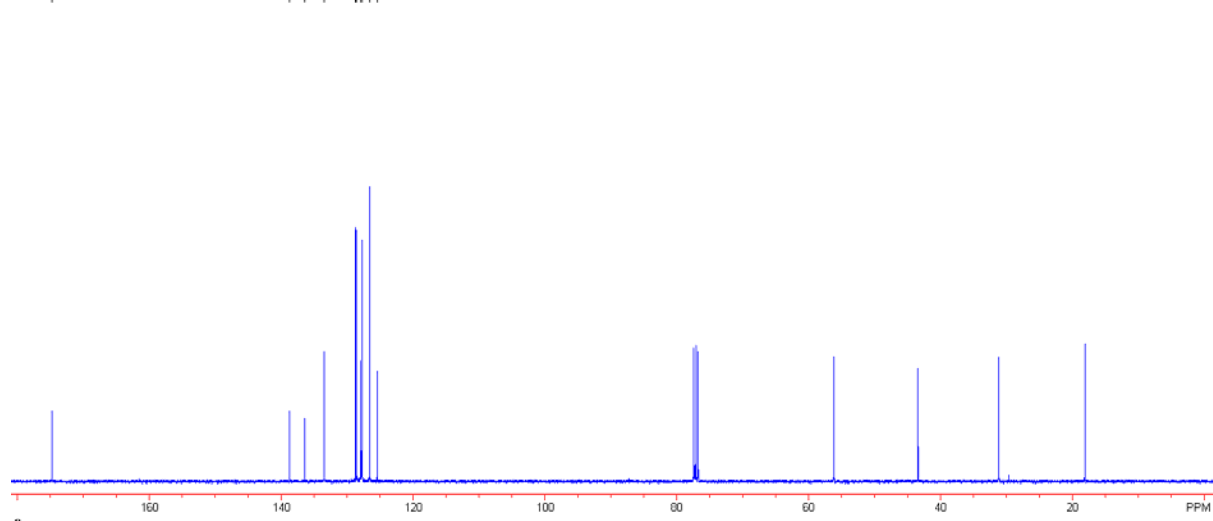
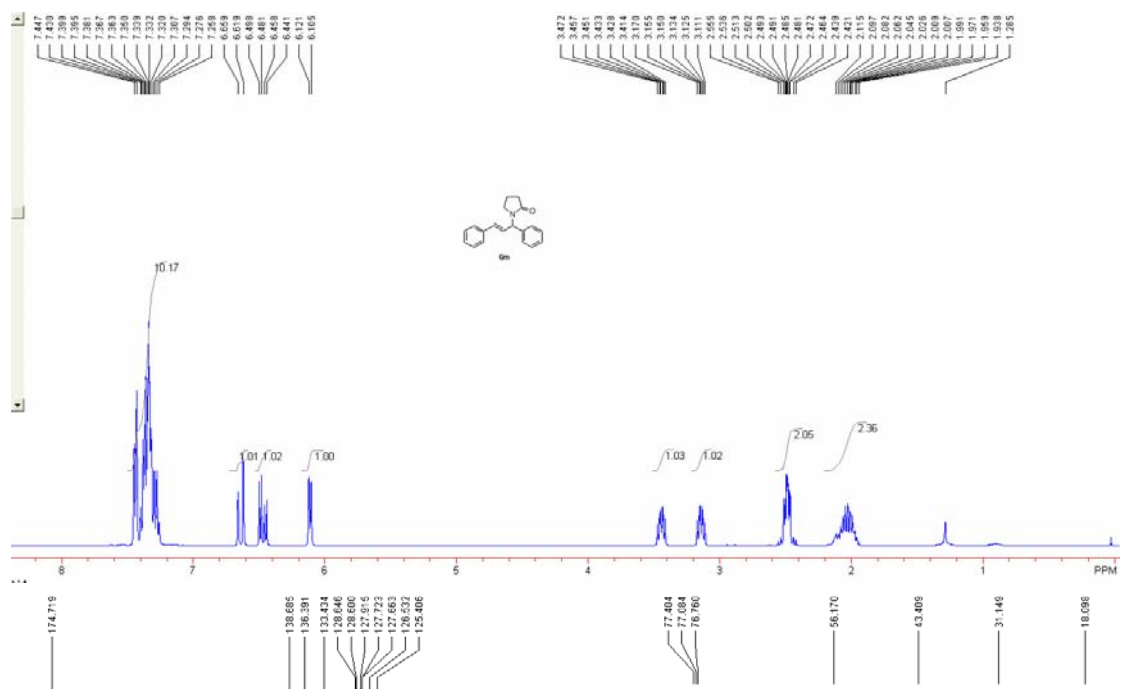


6l HNMR 400 MHz, CNMR 100 MHz





6m HNMR 400 MHz, CNMR 100 MHz



6n HNMR 400 MHz, CNMR 100 MHz

