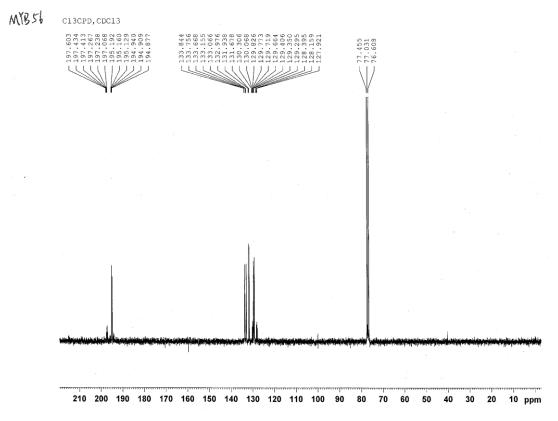
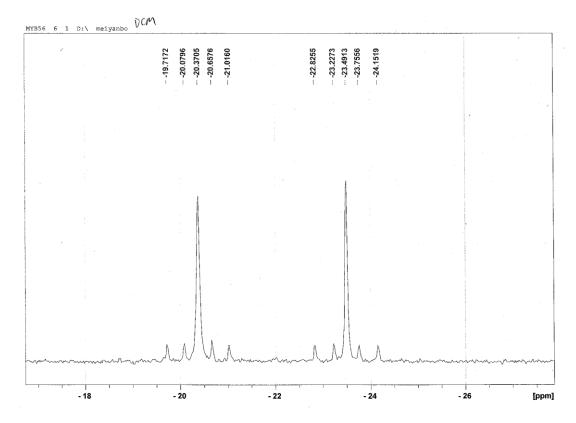


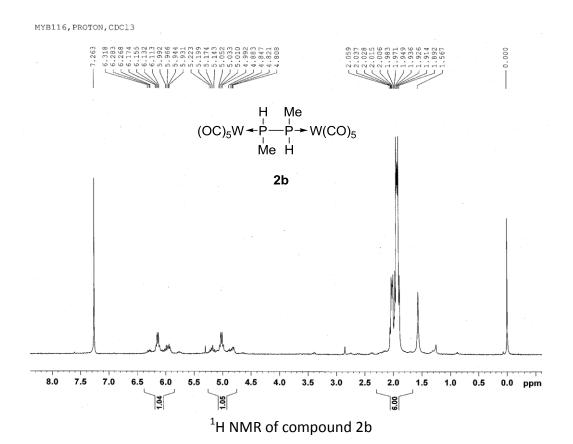
¹H NMR of compound 2a

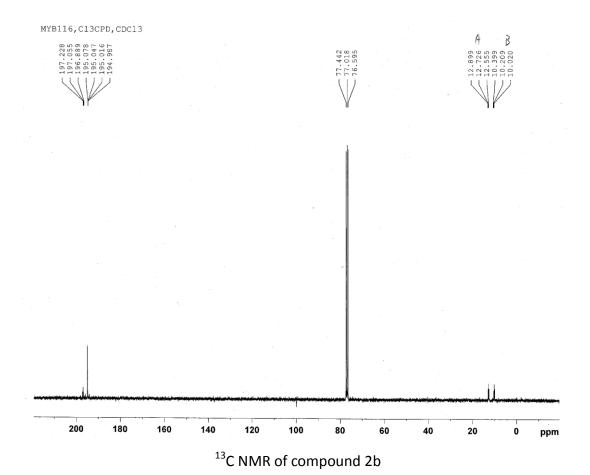


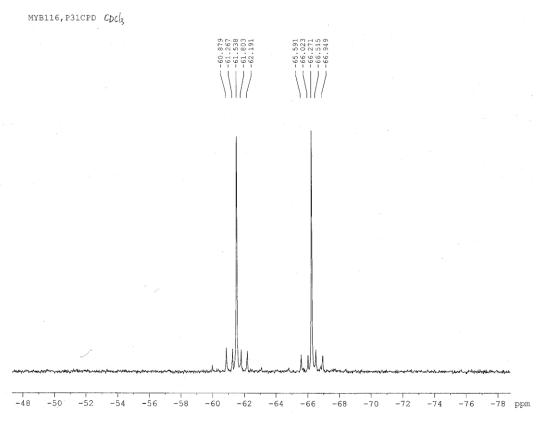
¹³C NMR of compound 2a



³¹P NMR of compound 2a

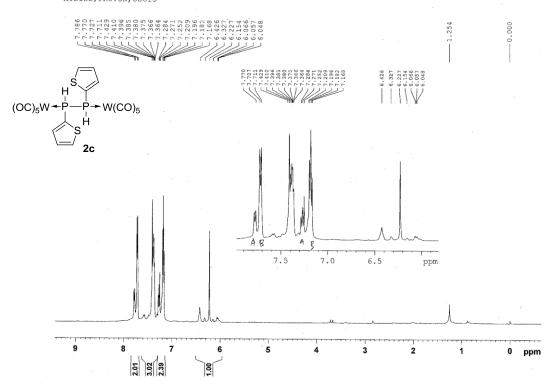




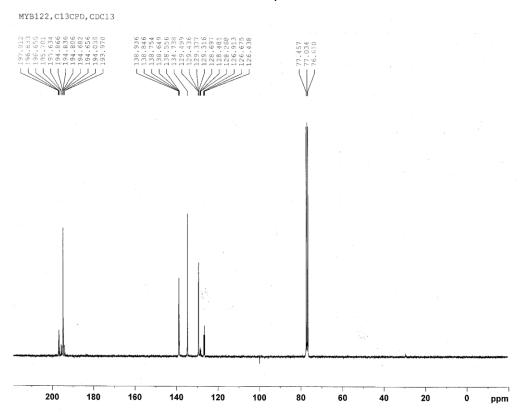


³¹P NMR of compound 2b

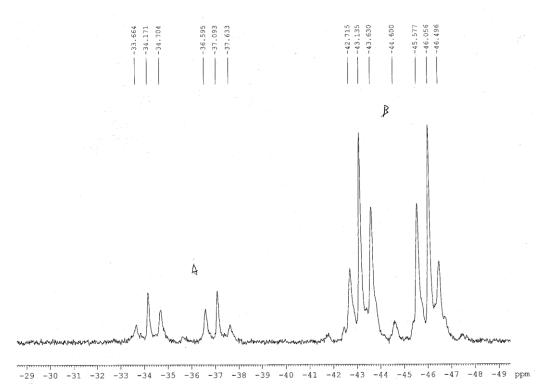




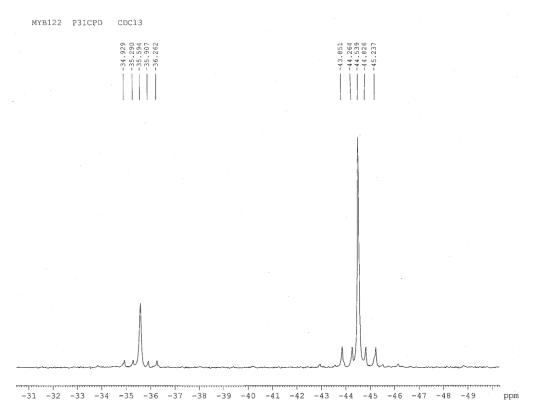
¹H NMR of compound 2c



¹³C NMR of compound 2c

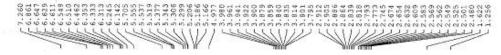


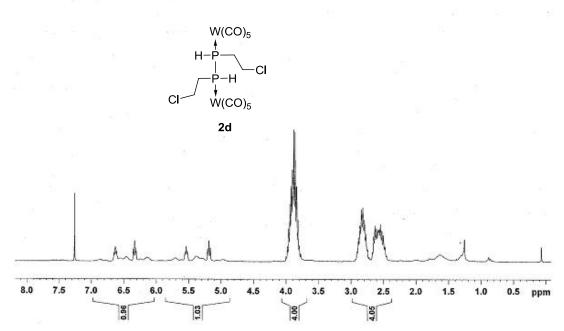
 $^{31}\mathrm{P}$ NMR of compound 2c (P-H coupling)



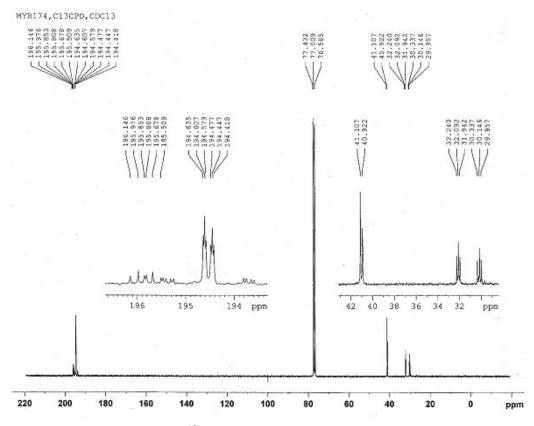
³¹P NMR of compound 2c



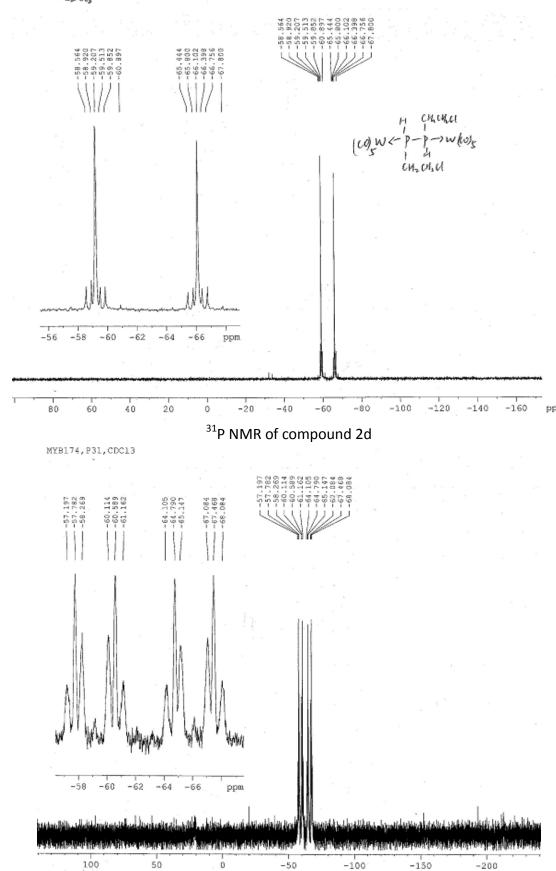




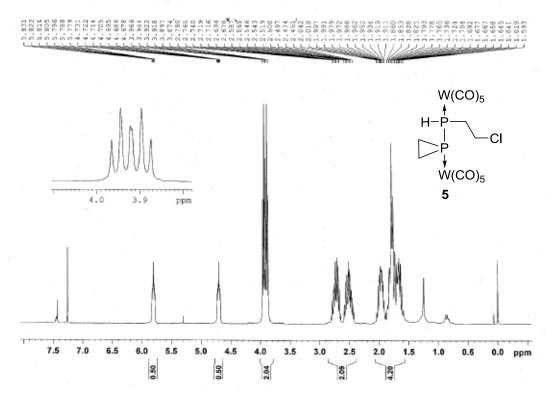
¹H NMR of compound 2d



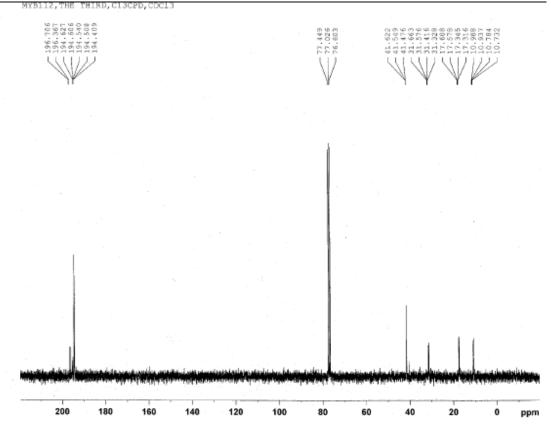
 ^{13}C NMR of compound 2d



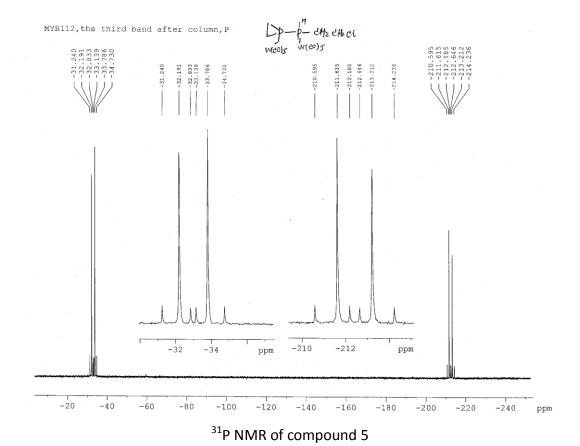
³¹P NMR of compound 2d (P-H coupling)

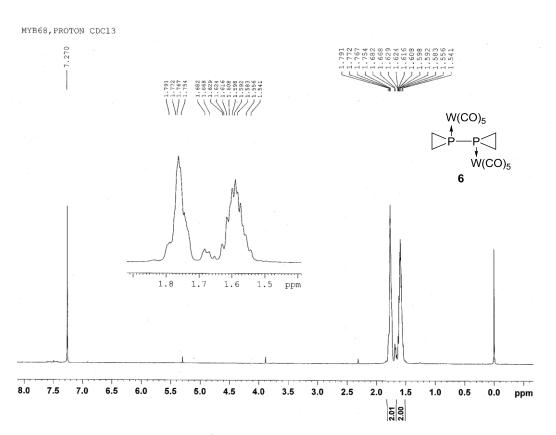


¹H NMR of compound 5

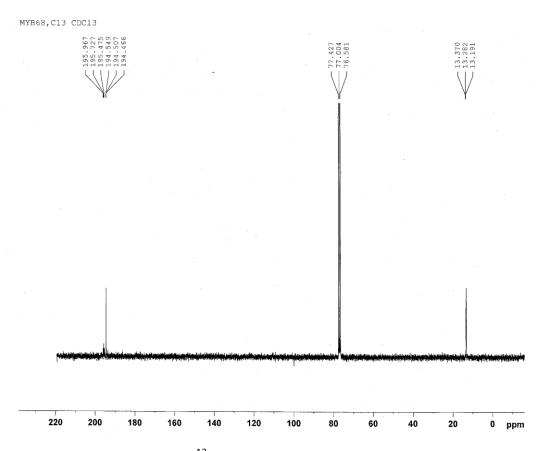


¹³C NMR of compound 5

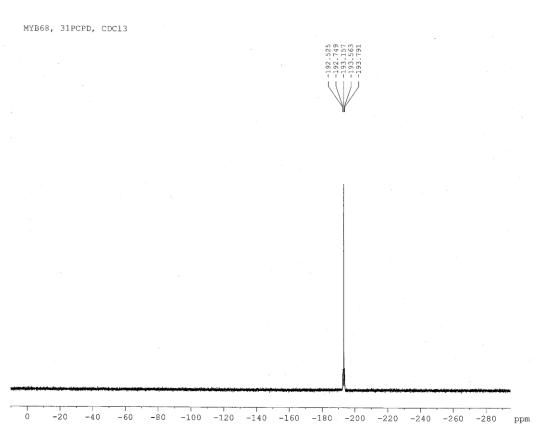




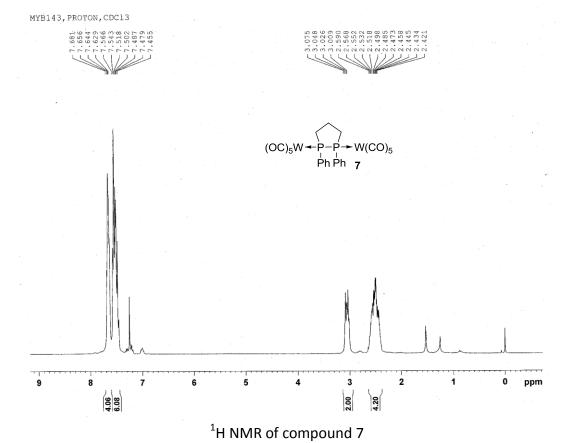
¹H NMR of compound 6

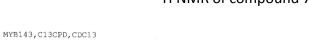


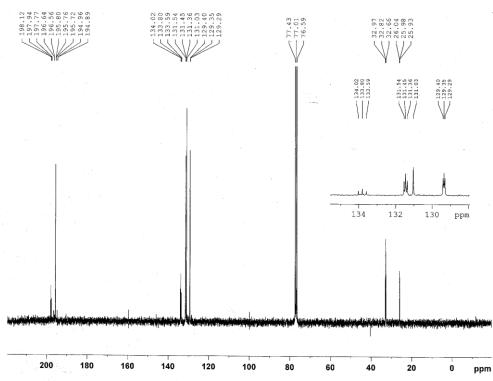
¹³C NMR of compound 6



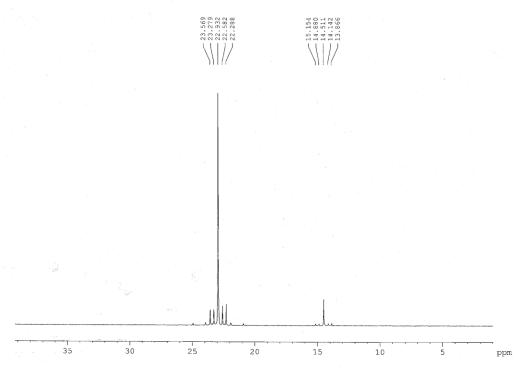
 31 P NMR of compound 6



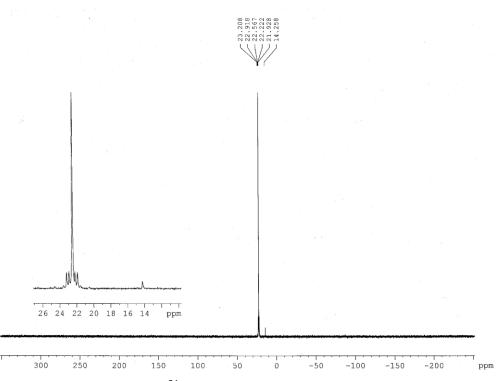




¹³C NMR of compound 7



³¹P NMR of compound 7



³¹P NMR of compound 7