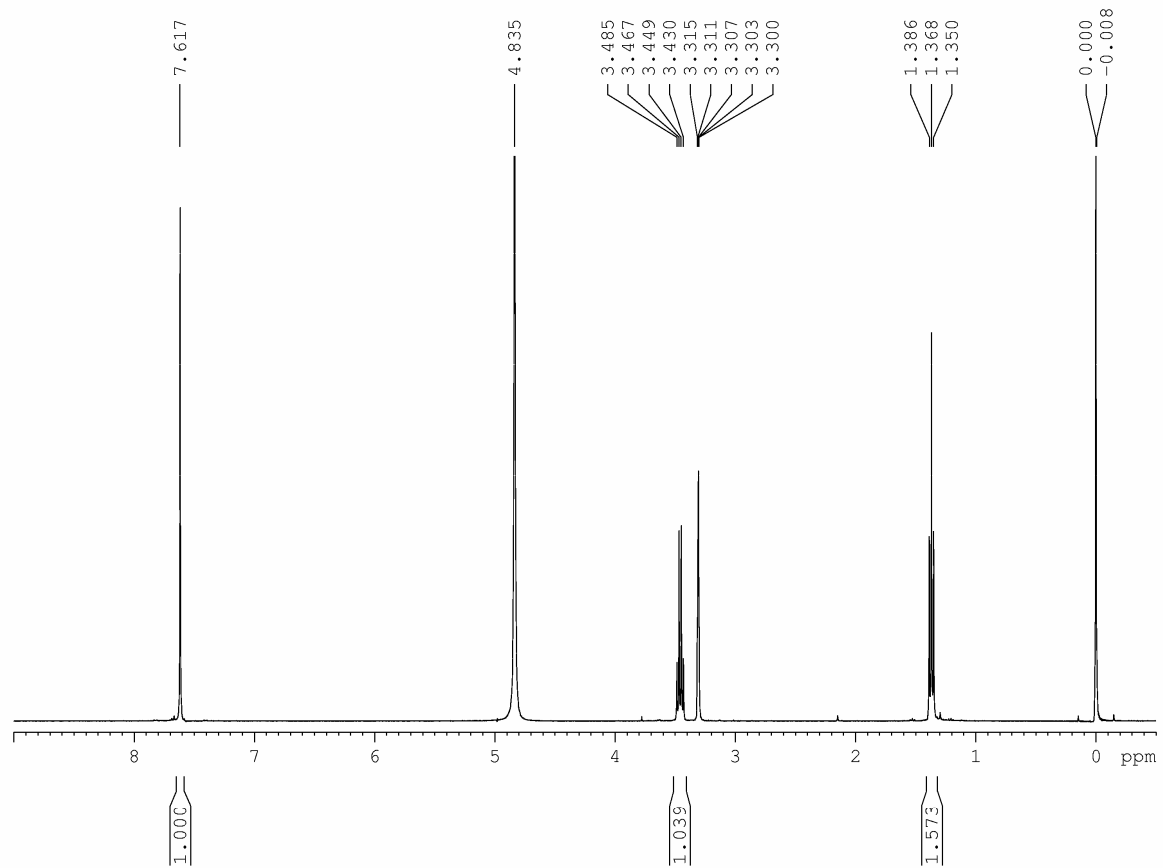
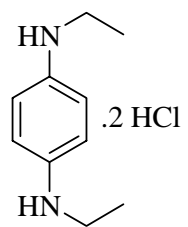
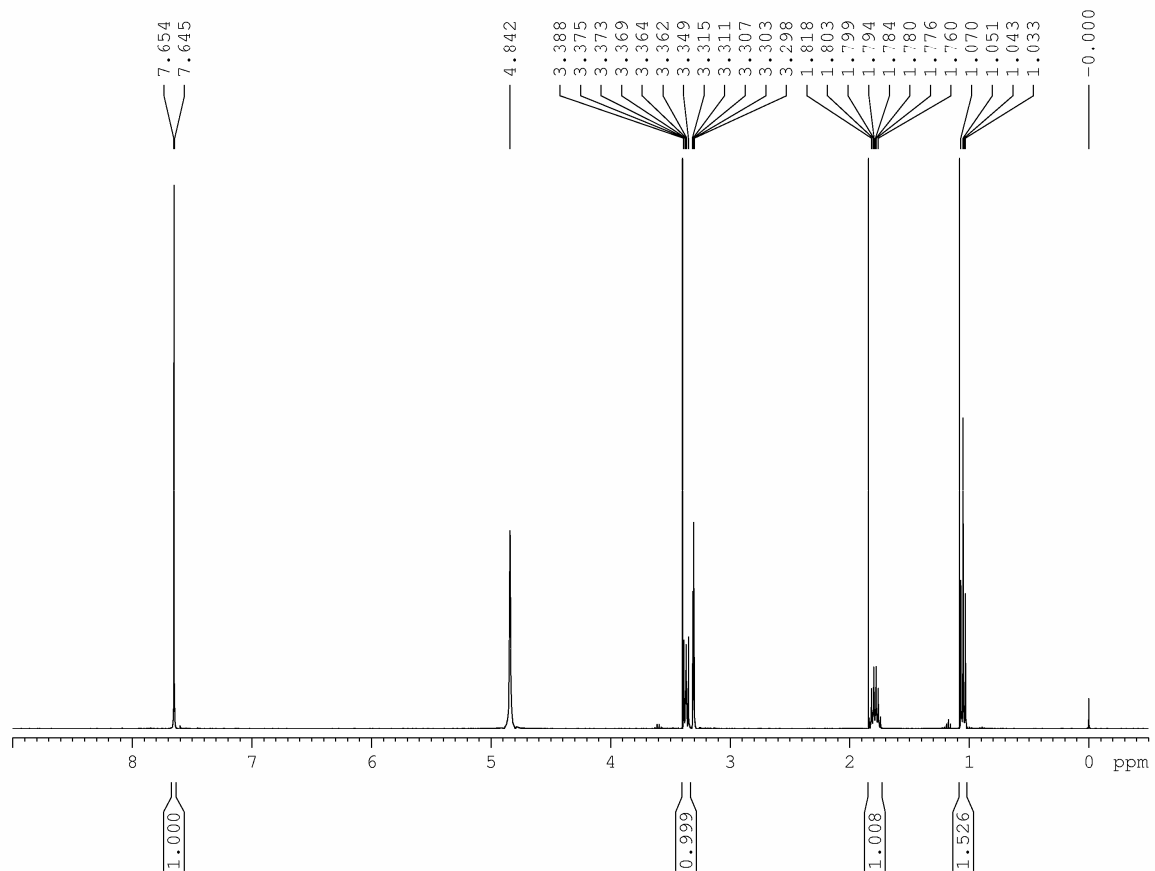
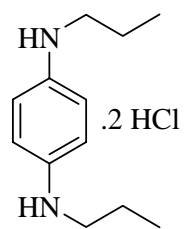


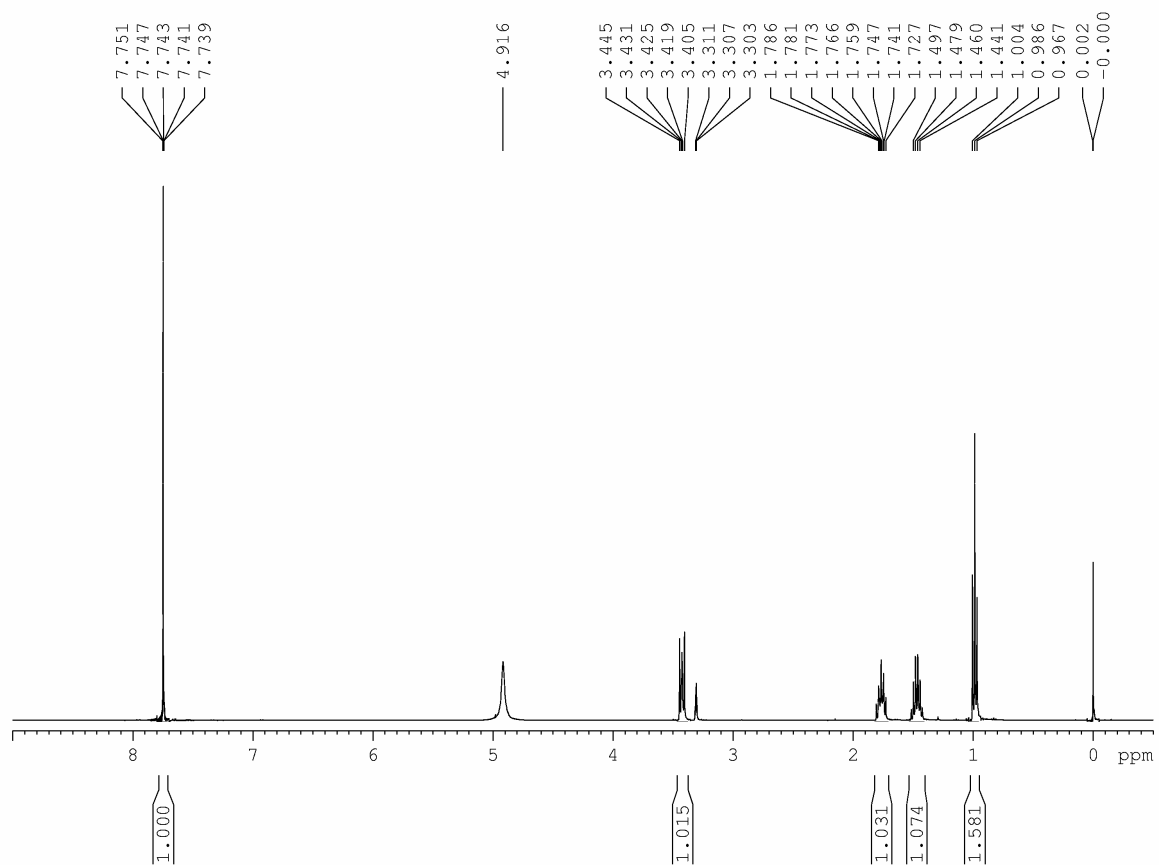
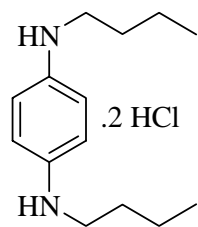
^1H NMR (400 MHz, CD_3OD , TMS) spectrum of *N,N'*-diethyl-*p*-phenylenediamine dihydrochloride (**1a**.2HCl)



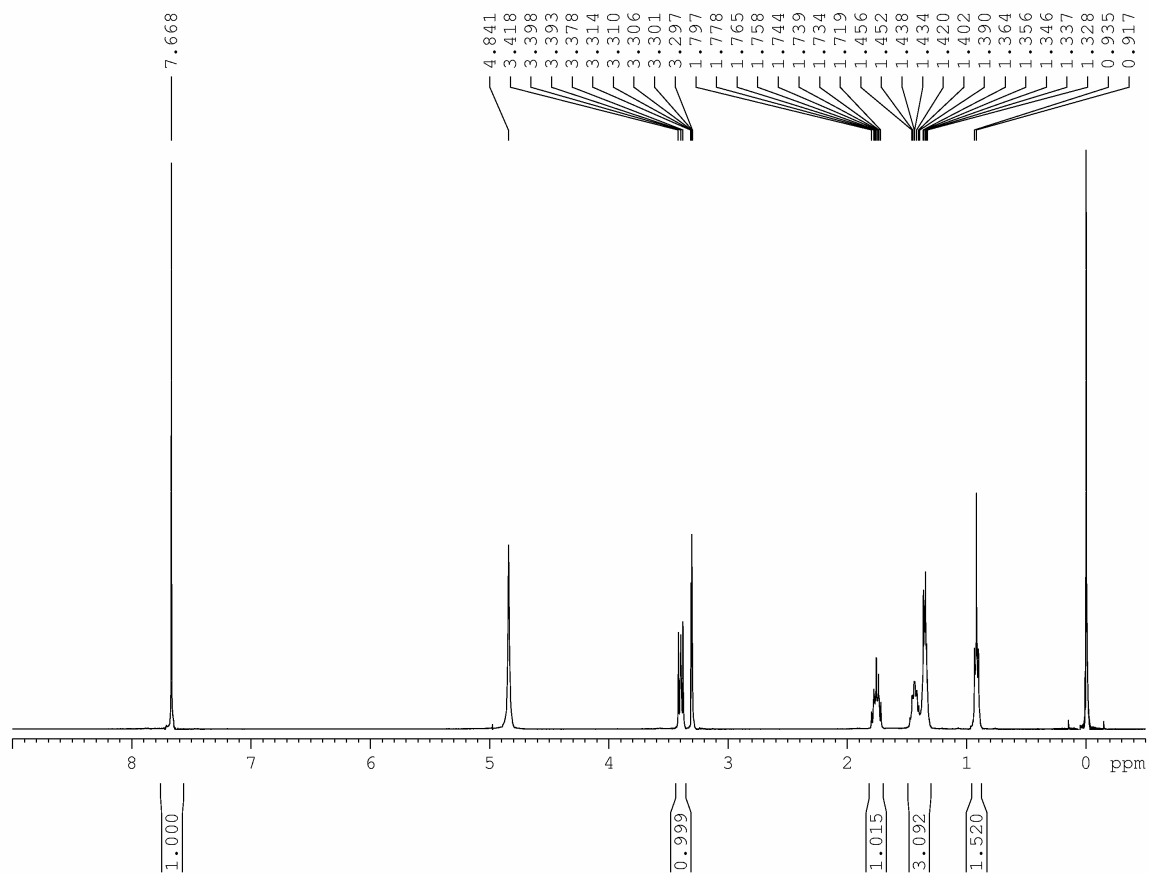
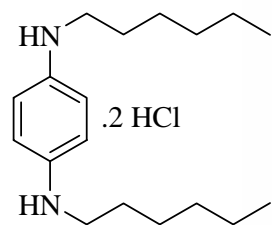
^1H NMR (400 MHz, CD_3OD , TMS) spectrum of *N,N'*-dipropyl-*p*-phenylenediamine dihydrochloride (**1b.2HCl**)



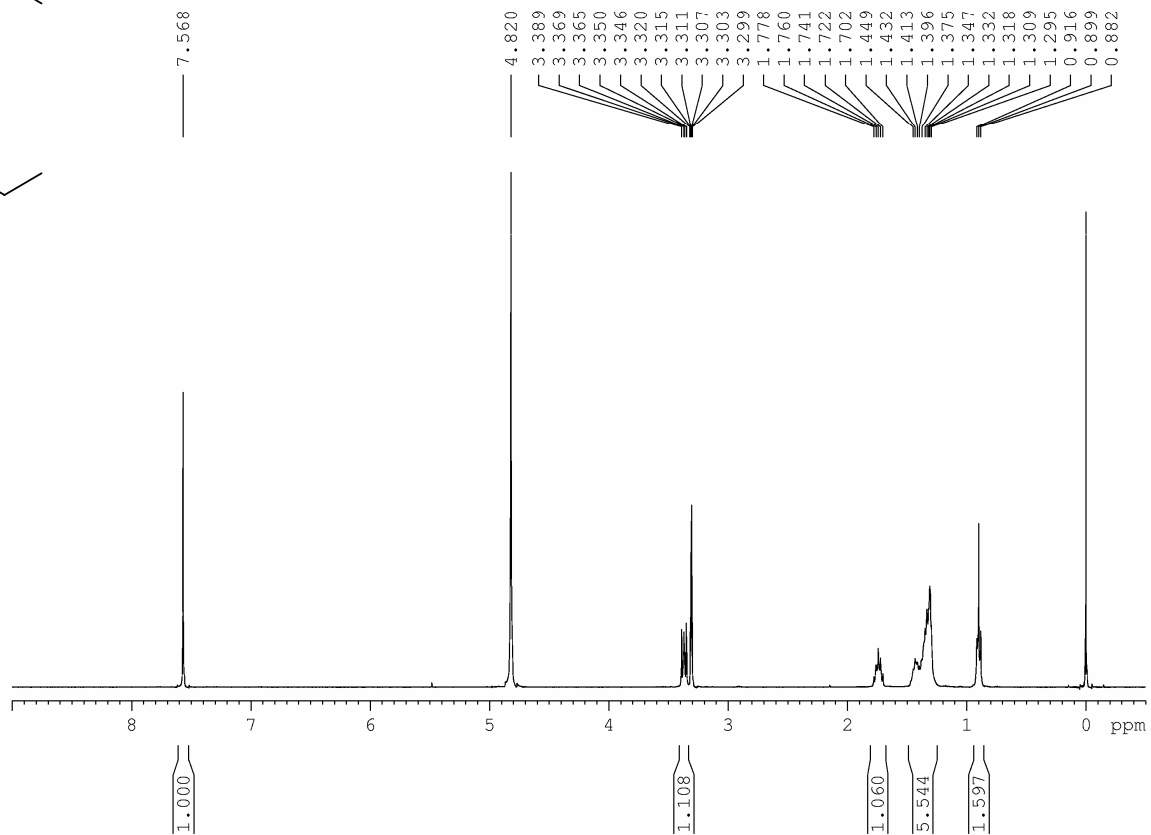
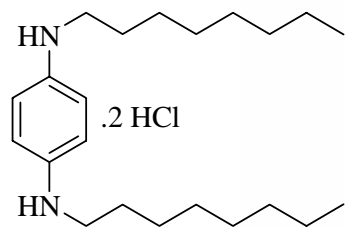
^1H NMR (400 MHz, CD_3OD , TMS) spectrum of *N,N'*-dibutyl-*p*-phenylenediamine dihydrochloride (**1c.2HCl**)



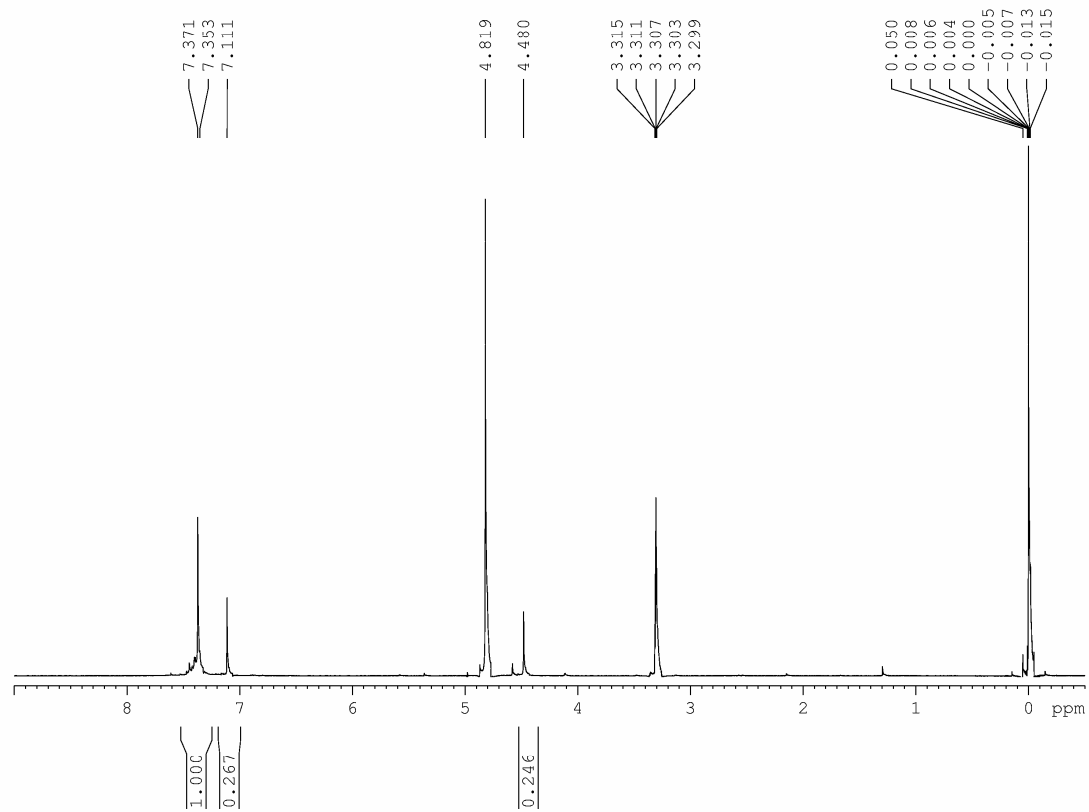
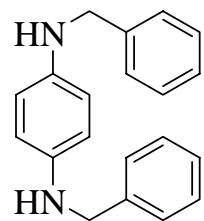
^1H NMR (400 MHz, CD_3OD , TMS) spectrum of *N,N'*-dihexyl-*p*-phenylenediamine dihydrochloride (**1d**.2HCl)



^1H NMR (400 MHz, CD_3OD , TMS) spectrum of N,N' -dioctyl- p -phenylenediamine dihydrochloride (**1e**.2HCl)



^1H NMR (400 MHz, CD_3OD , TMS) spectrum of N,N' -dibenzyl- p -phenylenediamine dihydrochloride (**1f**.2HCl)



^1H NMR (400 MHz, CDCl_3 , TMS) spectrum of *N,N'*-diphenethyl-*p*-phenylenediamine (**1g**)

