

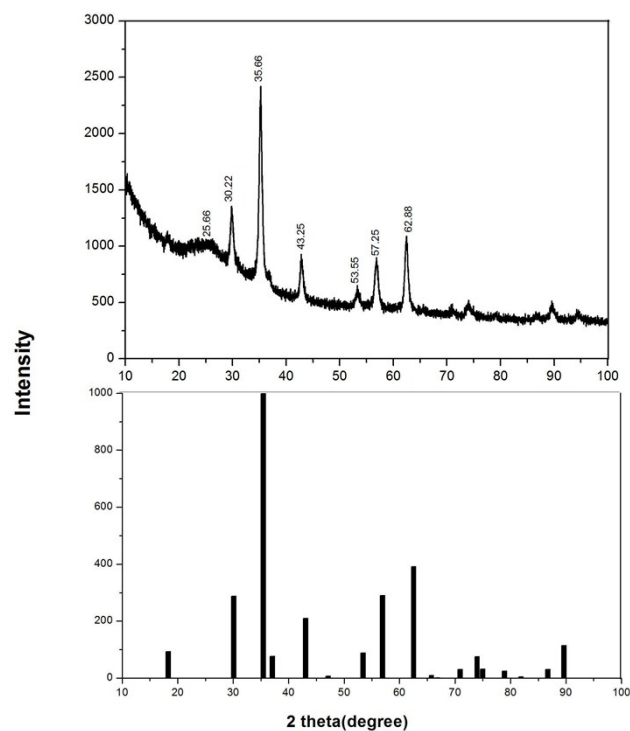


Figure 1. The XRD spectrum of Fe₃O₄/PPy and Fe₃O₄

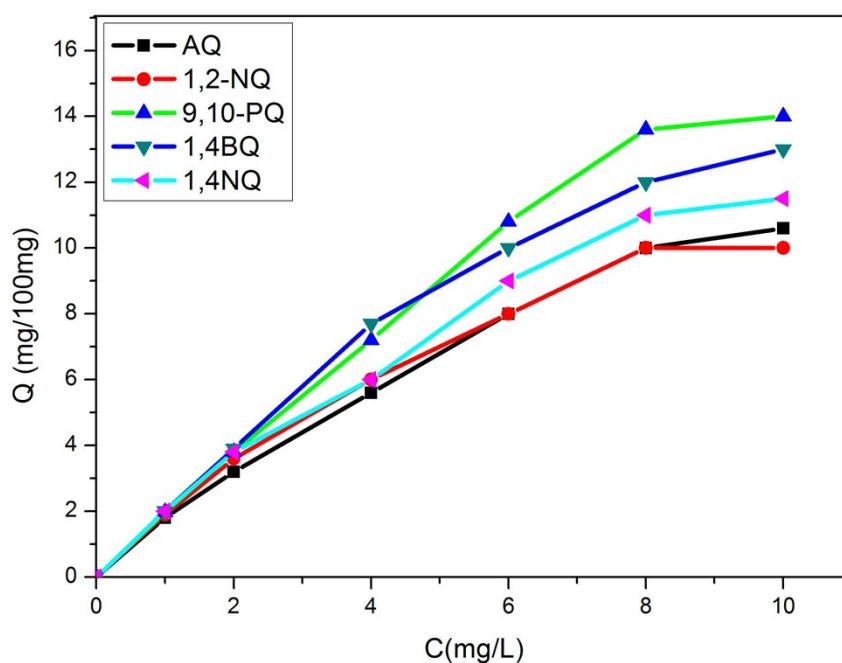


Figure 2 Scatchard analysis for five quinones adsorbed by Fe₃O₄@PPy

Table 1 Scatchard analysis of static adsorption isotherm for the five analytes

	Equation	Qmax (mg/g)	Kd(L/g)
1,4-BQ	$y = -13.326x + 252.85$	18.97	0.7878
1,4-NQ	$y = -13.326x + 252.85$	21.53	1.092
1,2-NQ	$y = -21.238x + 460.13$	21.67	0.4913
AQ	$Y = -14.401x + 329.22$	22.8	0.7210
9,10-PQ	$Y = -14.401x + 329.22$	221.99	0.9082