Supporting information

Facile Synthesis of Multiwall Carbon Nanotubes/Iron Oxides for Removal of Tetrabromobisphenol A and Pb(II)

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1. XPS

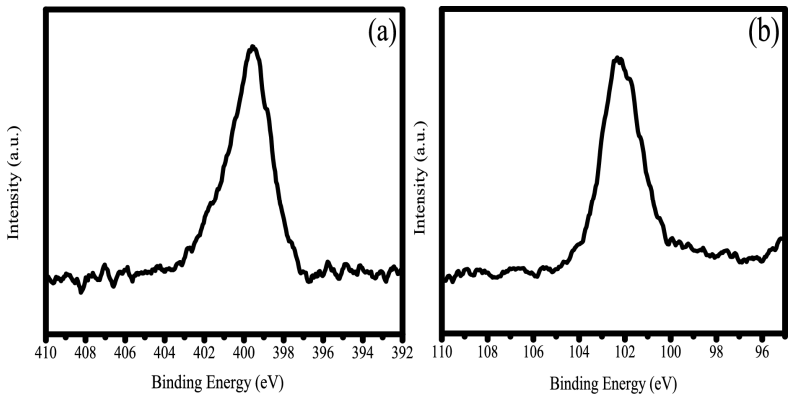

Fig. S1 XPS spectra of N 1s (a) and Si 2p (b) for MWCNTs/Fe_3O_4-NH_2 nanocomposites.

2. Adsorption Kinetics

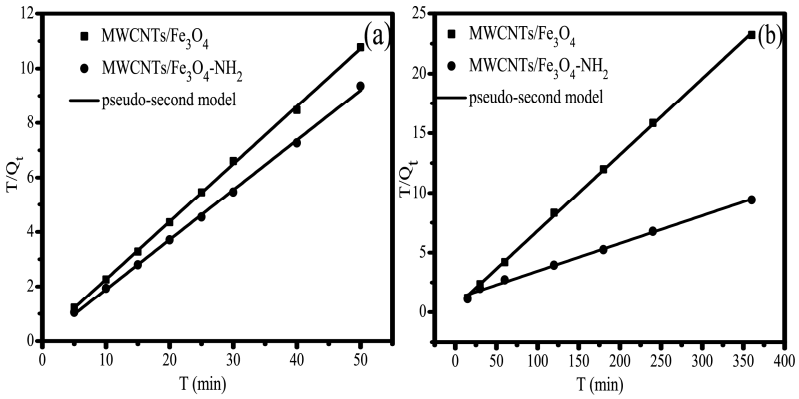

Fig. S2 Plot of pseudo second order kinetics model for TBBPA (a) and Pb(II) (b) on MWCNTs/Fe_3O_4 and MWCNTs/Fe_3O_4-NH_2 nanocomposites.

3. Adsorption Isotherms

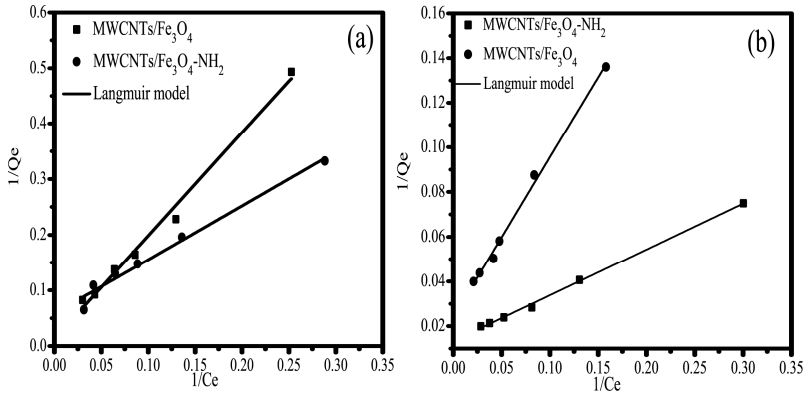

Fig. S3 Langmuir adsorption isotherm plots for the adsorption of TBBPA (a) and Pb(II) (b) on MWCNTs/Fe_3O_4 and MWCNTs/Fe_3O_4-NH_2 nanocomposites.

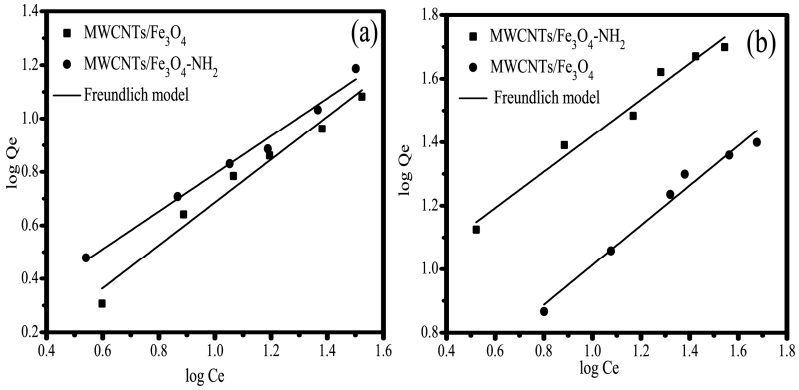

Fig. S4 Freundlich adsorption isotherm plots for the adsorption of TBBPA (a) and Pb(II) (b) on MWCNTs/Fe_3O_4 and MWCNTs/Fe_3O_4-NH_2 nanocomposites.

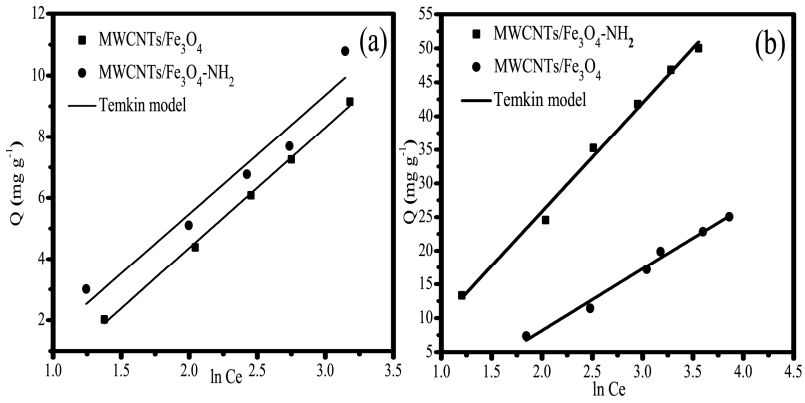

Fig. S5 Temkin adsorption isotherm plots for the adsorption of TBBPA (a) and Pb(II) (b) on MWCNTs/Fe_3O_4 and MWCNTs/Fe_3O_4-NH_2 nanocomposites.