

Efficient Magnetic Sorbent for Extracting Bisphenol A from Aqueous Sample

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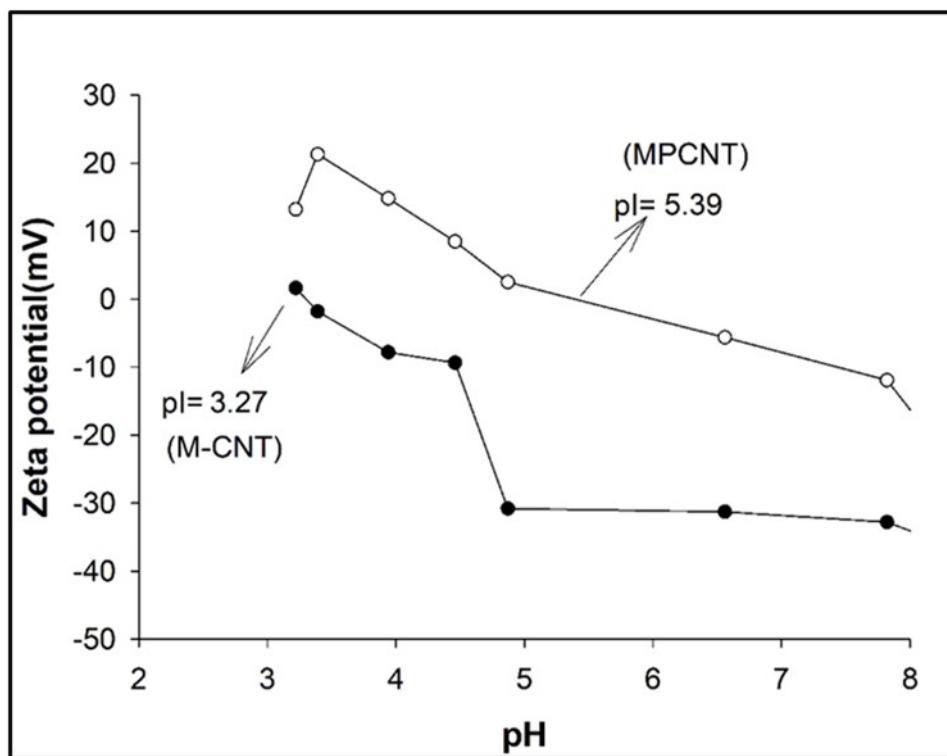


Figure 1S. Zeta potentials of magnetic-CNT and magnetic-PCNT in different pH solution.

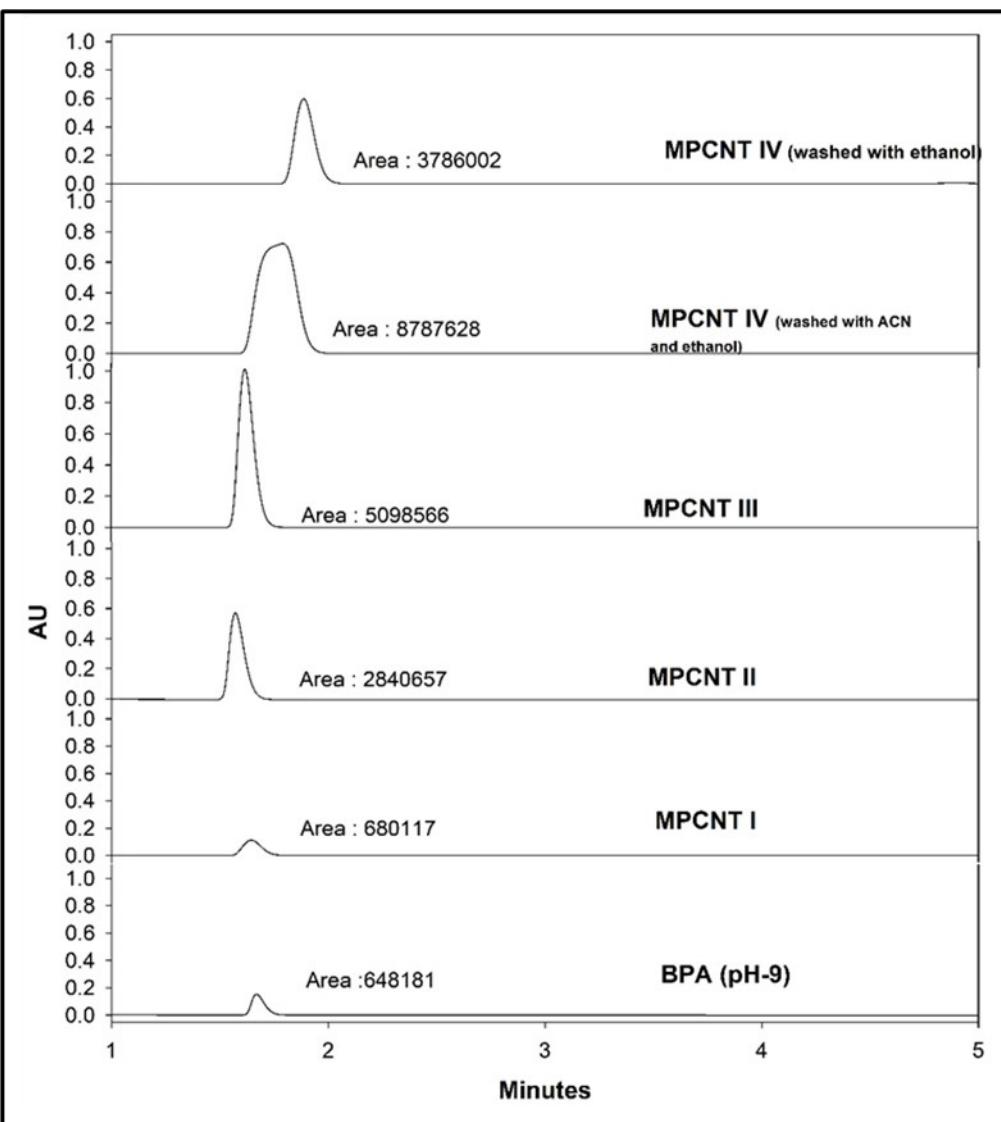


Figure 2S. HPLC chromatograms of MPCNT sorbent with different PDMS amounts.

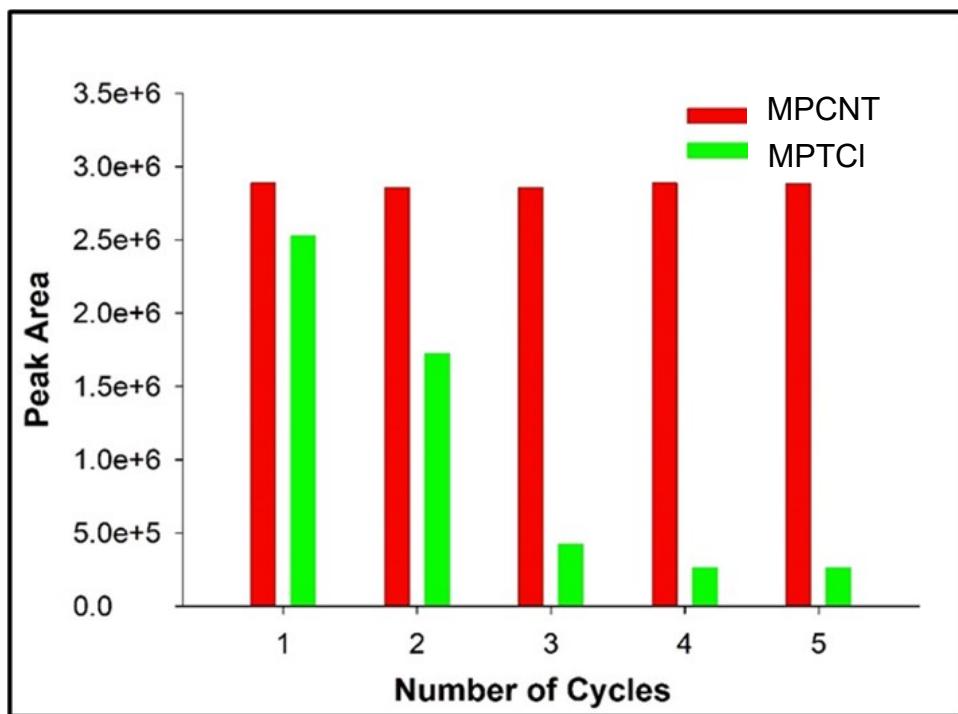


Figure 3S. The recycling performance of magnetic-PCNT and magnetic-PTCl for the bisphenol A extraction by the optimized MSPE procedure.

Table 1S. Selected variables of the MSPE procedure.

Parameters	MPCNT	MPTCL
Sorbent weight	40 mg	40 mg
Adsorption time	30 min	30 min
Desorption time	30 min	30 min
Adsorption solvent details	20 mL aqueous BPA solution of pH-9 with 2.5% NaCl	20 mL aqueous BPA solution of pH-9 with 2.5% NaCl
Elution solvent details	2 mL of 30% acetic acid buffer/acetonitrile (v/v) mixture	2 mL acetic acid buffer/acetonitrile (v/v) mixture
Analyte concentration	1 mg L ⁻¹	1 mg L ⁻¹