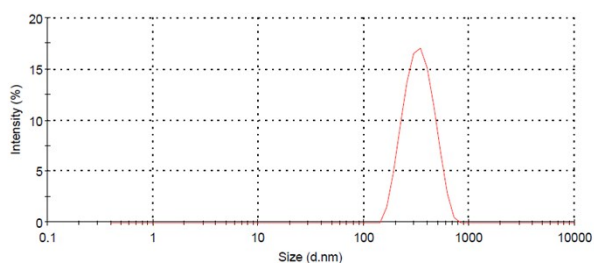
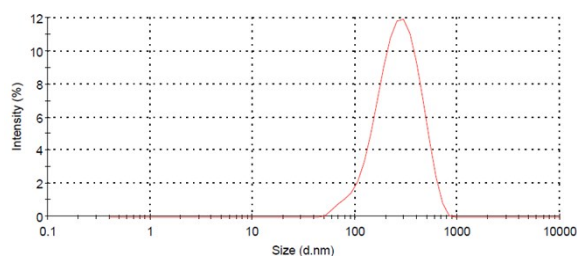


Supplementary file

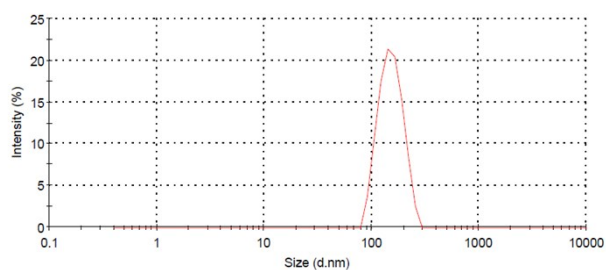
**Polymer Functionalized Magnetic Nanoconstructs for Immunomagnetic Separation of
Analyte**



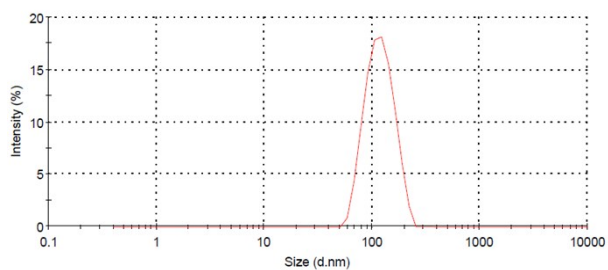
(a) PFMNC-6



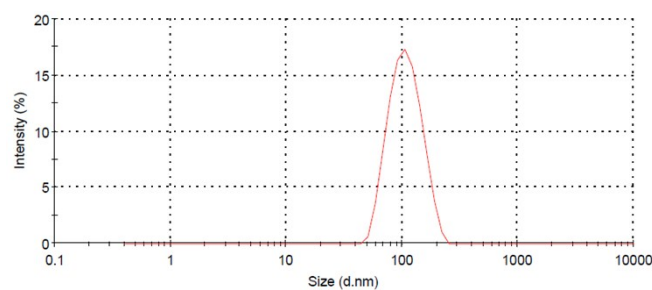
(b) PFMNC-9



(c) PFMNC-12



(d) PFMNC-15



(e) PFMNC-21

Fig. S1: Size distribution plot of various PFMNCs with different iron oxide concentrations

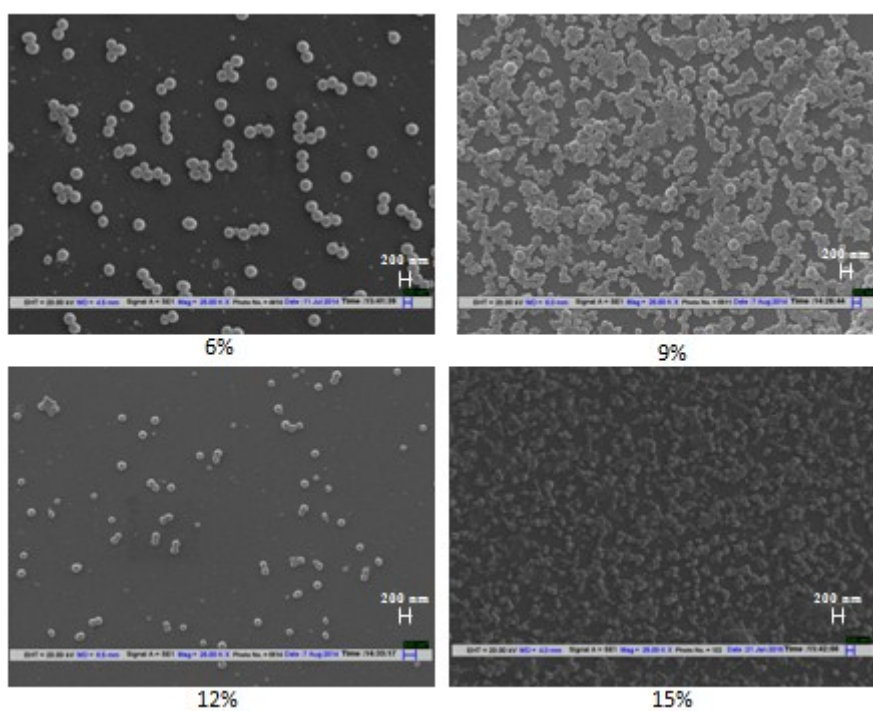


Fig.S2: SEM analysis of various synthesized polymeric nanoconstructs

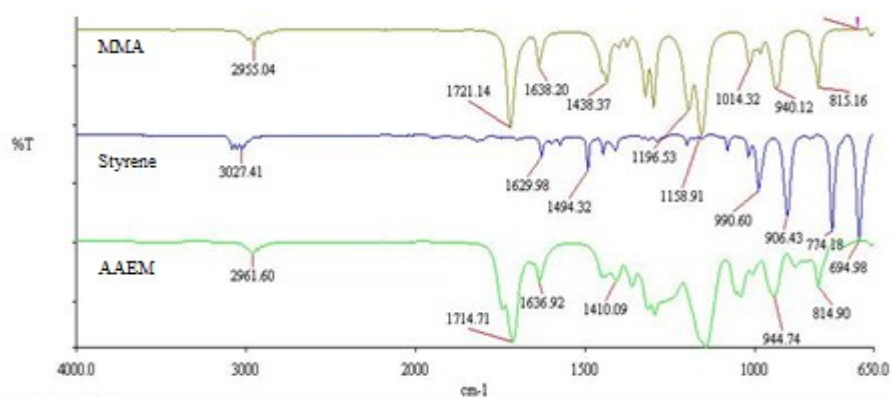


Fig. S3: FTIR spectra of constituent monomers Styrene, MMA and AAEM

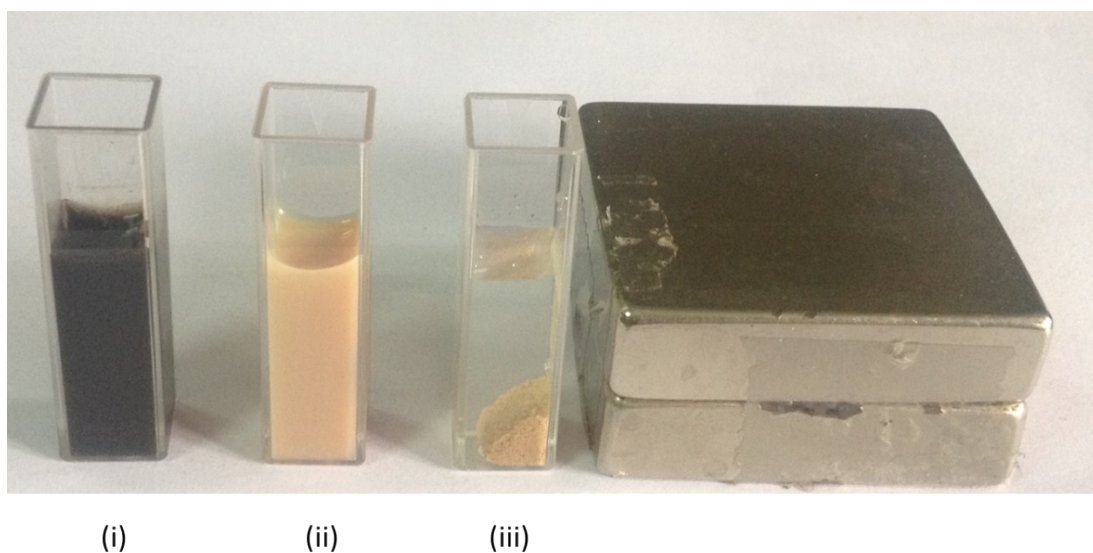


Fig. S4: Image of (i) iron oxide dispersion (ii) PFMNC-6 and magnetic response of polymeric nanoconstructs in the presence of a strong external block magnetic (1 Tesla)

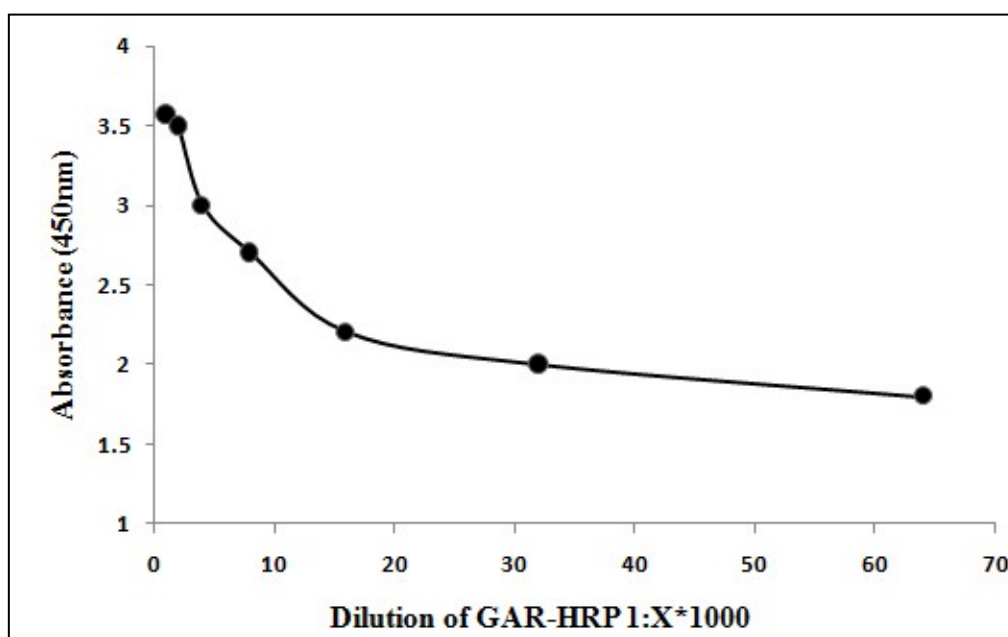


Fig. S5: Activity of various dilutions of GAR-HRP attached PFMNC-6