Supporting Information

Preparation of porous polymer monolithic column using functionalized graphene oxide as a functional crosslinker for high performance liquid chromatography separation of small molecules

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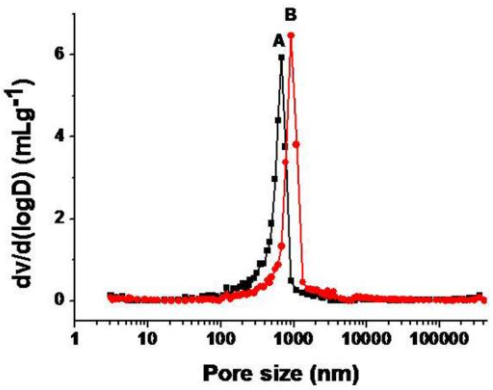

Fig. S1. Pore size distribution curves of (A) poly(GMA-co-EDMA) monolith (B) monolith copolymerized from TMSPMA-modified GO by mercury intrusion porosimetry.

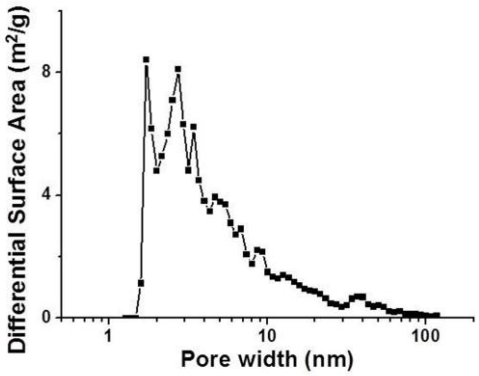

Fig. S2. The pore size distribution curve for the monolithic poly (GMA-co-EDMA) column copolymerized from 0.05 wt% TMSPMA-modified GO obtained from the adsorption branch of nitrogen adsorption isotherm measurement.

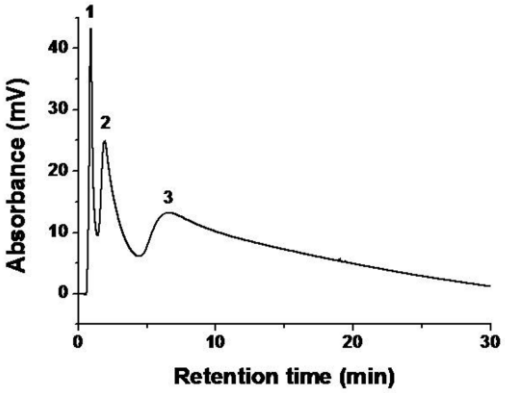

Fig. S3. Separation of steroid mixtures on the monolithic poly (GMA-co-EDMA) column containing 0.05 wt% pristine GO. Conditions: column, 50.0 mm × 4.6 mm i.d., mobile phase, 25% ACN in water, flow rate 1.0 mL·min^{-1}, UV detection at 254 nm. Peak: (1) hydrocortisone, (2) prednisone acetate, (3) medroxyprogesterone acetate.