

Supplementary materials

Thiol-/thioether-functionalized porous organic polymers for simultaneous removal of mercury(II) ion and aromatic pollutants in water

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Table S1 Elemental analysis results of POP-SH and POP-SMe

	C (%)	H (%)	S (%)
POP-SH	58.18	3.74	5.94
POP-SMe	57.00	3.92	4.84

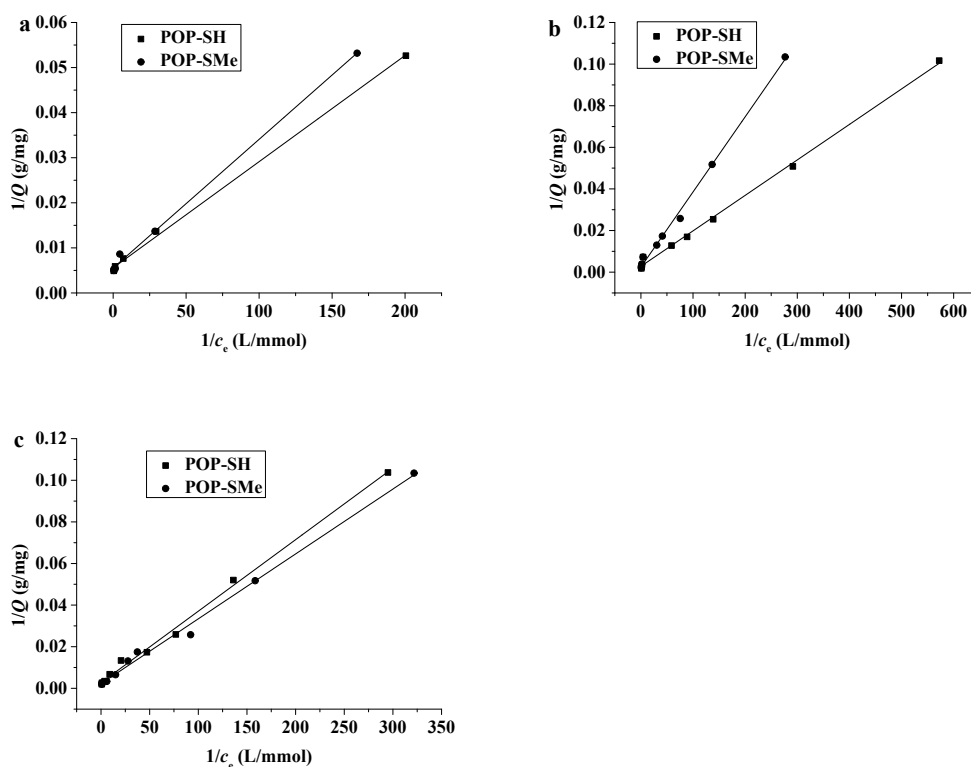


Fig. S1 Langmuir adsorption isotherms of pollutants on new adsorbents: (a) Hg^{2+} , (b) toluene, and (c) m-xylene.

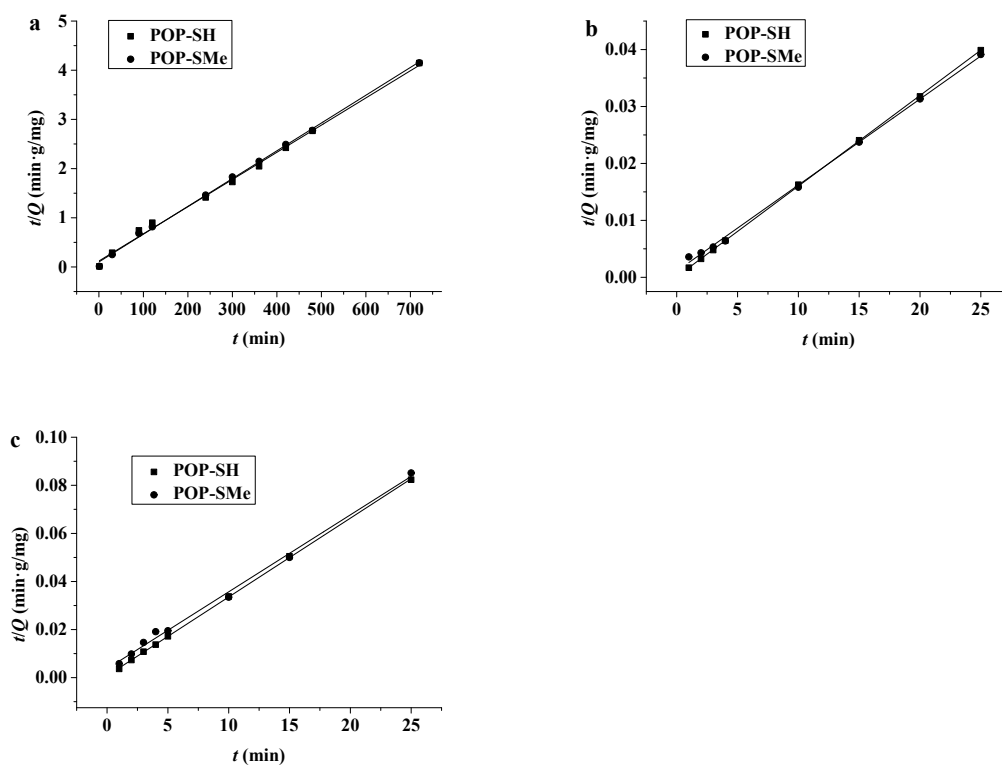


Fig. S2 Pseudo-second-order adsorption model of pollutants on new adsorbents: (a) Hg^{2+} , (b) toluene, and (c) m-xylene.

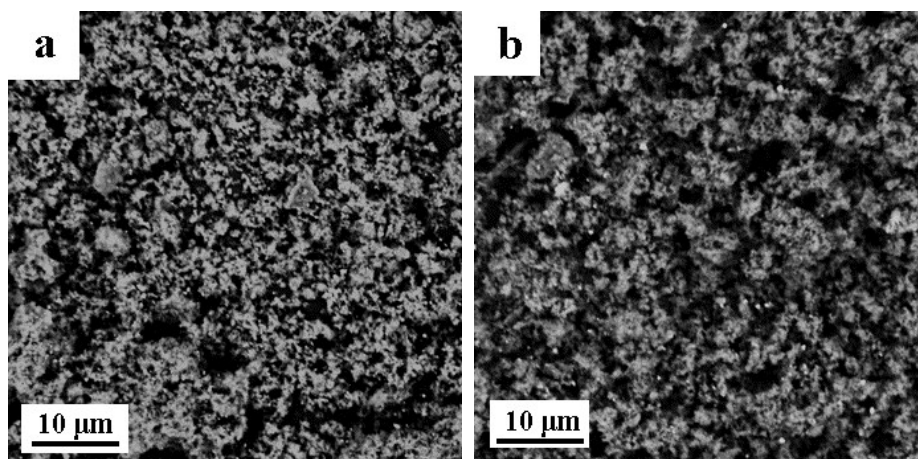


Fig. S3 The SEM images of (a) POP-SH and (b) POP-SMe after three adsorption cycles.

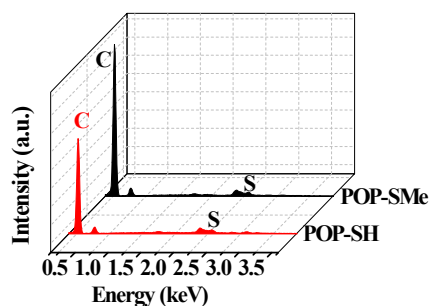


Fig. S4 The EDX figures of POP-SH and POP-SMe after three adsorption cycles.

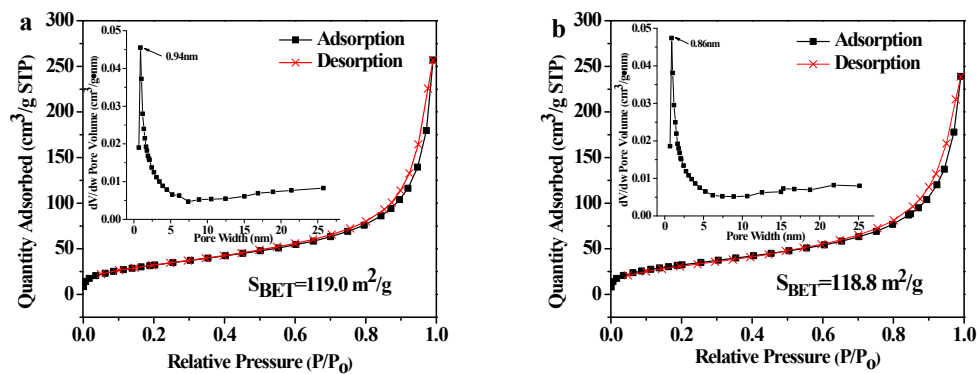


Fig. S5 The nitrogen adsorption-desorption isotherms of (a) POP-SH and (b) POP-SMe after three adsorption cycles. The inserts are their pore distribution curves.