

Electronic Supplementary Information (ESI)

Synthesis, characterization and evaluation of hollow molecularly imprinted polymers for Sudan I

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Fig. S1 The chemical structures of Sudan I-IV.

Fig. S2 FT-IR spectra of SPS (a), PS/SiO₂ (b), M/PS/SiO₂ (c), MHSiO₂ (d), HMIPs (e), and HNIPs (f).

Fig. S3 TG curves of PS/SiO₂, HMIPs, and HNIPs.

Fig. S4 HPLC-UV Chromatograms of Sudan I standard solution of 0.40 nmol mL⁻¹ (a), non-spiked chilli powder sample with (b) and without (c) HMIPs treated. **The experimental conditions in the text.**

Fig. S5 SEM results of HMIPs before (a) and after (b) six cycles used.