Fig. S1. SEM images of the TiO$_2$/NiO@MPS coated NiTi fibers at 20 V (a), 30 V (b), 40 V (c) and 50 V (d). Conditions: suspension solution, 0.25 g·L$^{-1}$ MPS; time, 3 min.
Fig. S2. SEM images of the TiO$_2$/NiO@MPS coated NiTi fibers in the presence of $0.25 \text{ g·L}^{-1}$ (a), $0.50 \text{ g·L}^{-1}$ (b), $0.75 \text{ g·L}^{-1}$ (c) and $1.00 \text{ g·L}^{-1}$ (d). Conditions: applied voltage, 20 V; time, 3 min.
Fig. S3. Typical chromatograms of direct HPLC for PCBs (a), CPs (c), UV filters (e) and PAHs (g) in spiking water with 100 μg·L⁻¹ as well as corresponding SPME-HPLC with the TiO₂/NiO@MPS-Ph coated NiTi fiber for PCBs (b), CPs (d), UV filters (f) and PAHs (h). Conditions: PAHs, 100 μg·L⁻¹; extraction, 30 min; desorption, 4 min; temperature, 30 °C; stirring, 300 r·min⁻¹; NaCl, 0%(w/v).