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Supplementary material



Fig. S1. SEM images of the TiO_/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 \cdot L⁻¹ MPS; time, 3 min.



Fig. S2. SEM images of the TiO₂/NiO@MPS coated NiTi fibers in the presence of 0.25 g·L⁻¹(a), 0.50 g·L⁻¹ (b), 0.75 g·L⁻¹ (c) and 1.00 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 μ g·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 μ g·L⁻¹; extraction, 30 min; desorption, 4 min; temperature, 30 °C; stirring, 300 r·min⁻¹; NaCl, 0%(w/v).