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Figure caption

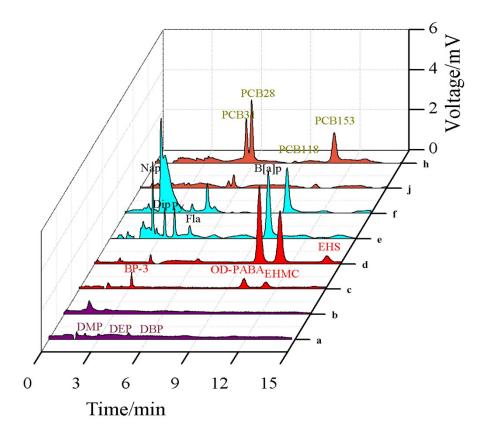


Fig. S1 Typical chromatograms of direct HPLC for PAEs (a), UV filters (c), PAHs (e)and PCBs (j) as well as corresponding SPME-HPLC with CuO coated fiber for PAEs (b), UV filters (d), PAHs (f) and PCBs (h) for water spiked with 100 μ g L⁻¹ each analyte, except for B[a]p spiked with 25 μ g L⁻¹.

Table S1 EDS result of CuO nano-coating

Element	Line style	Apparent concentration	K ratio	wt%	wt% Sigma	Standard sample label	Manufacturer' s standard
С	K linear system	18.47	0.18469	6.22	0.41	C Vit	yes
О	K linear system	101.22	0.34063	8.09	0.35	SiO ₂	yes
Cl	K linear system	57.62	0.50354	9.87	0.71	NaCl	yes
Cu	L linear system	133.77	1.33765	33.58	1.02	Cu	yes
Aua	M linear system	137.11	1.37109	42.24	1.47	Au	yes
amount				100.00			

^{a,} to spray on sample surface for SEM test.