

Table S1 The specific modified capacity factor(k^*) for each column

	Atlantis HSS T ₃	CAPCELL PAK ADME	BEH C ₁₈
Range	3.80 ~ 43.2	2.12 ~ 42.3	3.52 ~ 48.92
Mean±SD	30.46±8.95	32.68±11.87	39.9±8.59
Median	32.50	35.08	41.64

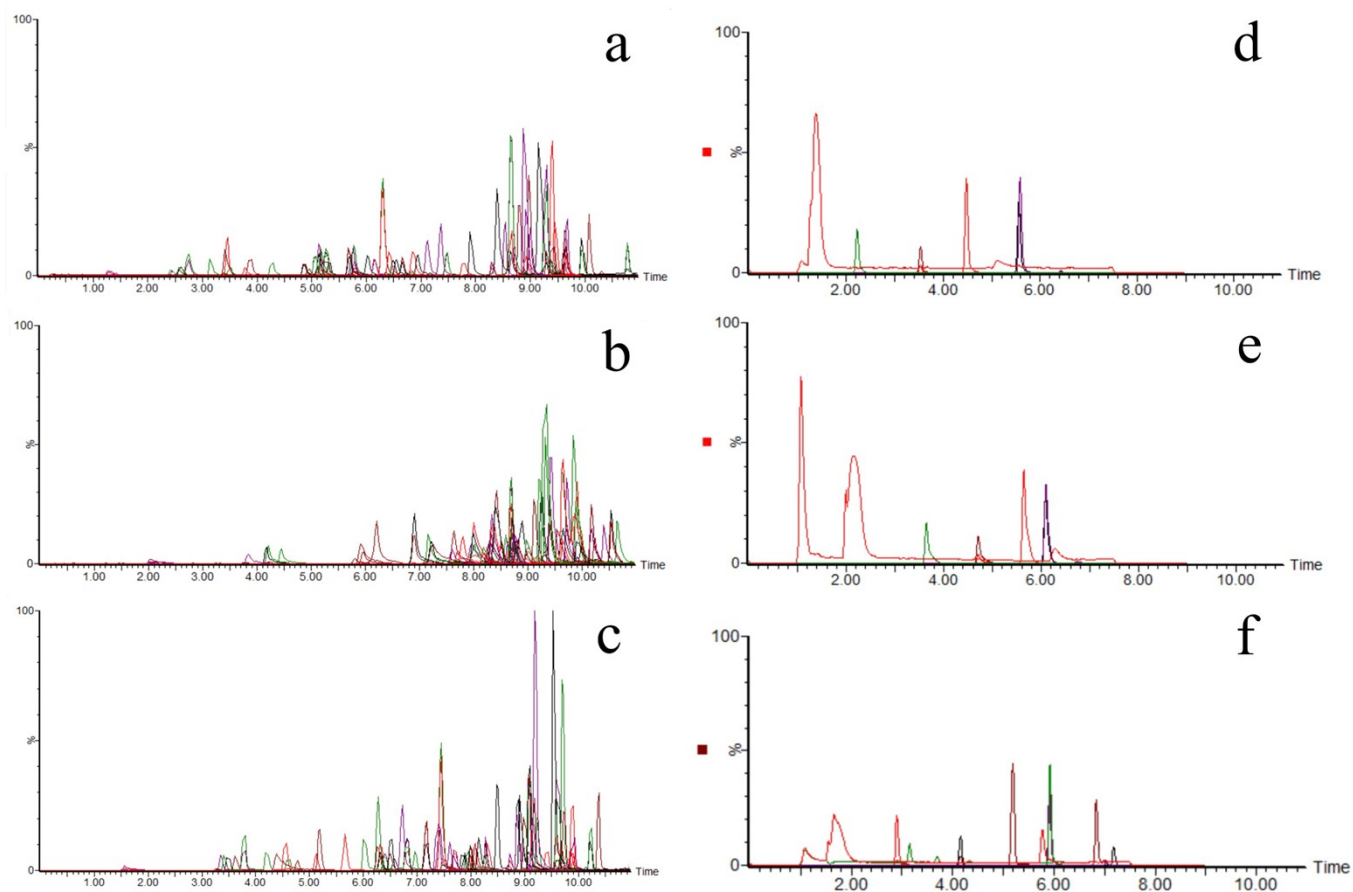


Figure S1 The total ion chromatograms of spiked samples (20 ng/L) in blank samples under different chromatographic column conditions in positive and negative ion modes:
(a) BEH C₁₈ (ESI⁺), (b) CAPCELL (ESI⁺), (c) Atlantis HSS T₃ (ESI⁺), (d) BEH C₁₈ (ESI⁻), (e) CAPCELL (ESI⁻), and (f) Atlantis HSS T₃ (ESI⁻).