## **ESI Figure Captions**

**Fig. S1** 2D total ion chromatogram of the model sample of airport runoff water spiked with a standard mixture of 16 PAHs for the optimized HS-SPME conditions.

**Fig. S2** 2D total ion chromatogram of airport runoff water sample collected on 14 Jan 2013 from the river outflow at the International Large Airport PL.