Supplementary Information

Figure legends:
Fig. S1. Synthesis of Fe₃O₄/C magnetic particles.
Fig. S2 The effect of solvent on the extraction yields of PAHs. Conditions of the extraction: 1.0 g sample; solvent volume: 20 mL; MAE time: 3 min.
Fig. S3. Recoveries of PAHs from aged samples after MAE.
Fig. S4 The response surface of BaA with different radiation power and time.

![Synthesis of Fe₃O₄/C magnetic particles](image1)

![Bar chart showing recoveries of PAHs](image2)
Fig. S3

Recovery (%)

2 days
7 days
15 days

Ant
Flu
Pyr
Chr
BaA
Table S1
Runs employed for the effect of the radiation conditions over the recovery

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