

Imprinted Polyethylene Terephthalate: Novel Plutonium Selective Substrates for Ultra-trace Detection

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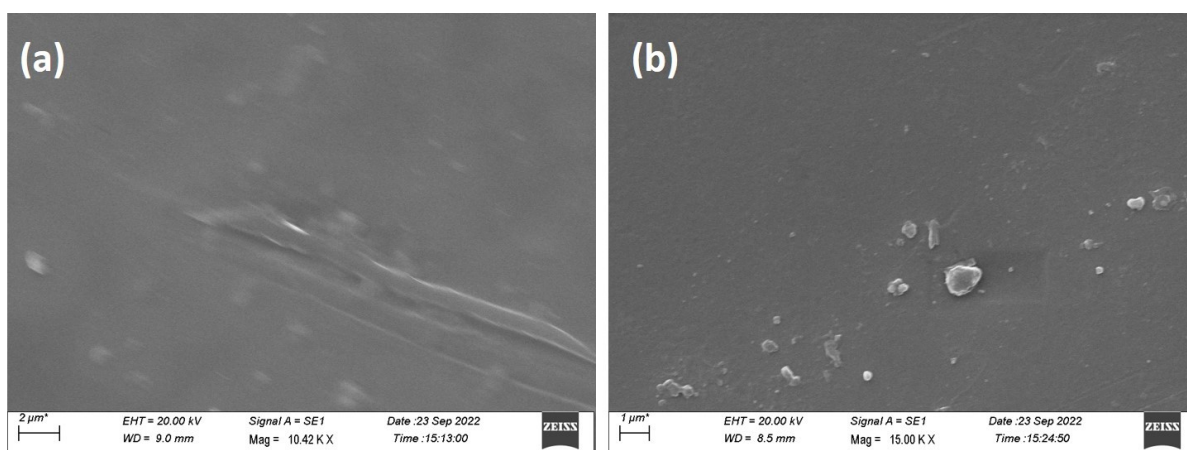


Figure S1. SEM images of the pristine (PET) and poly(BMEP) grafted PET samples.

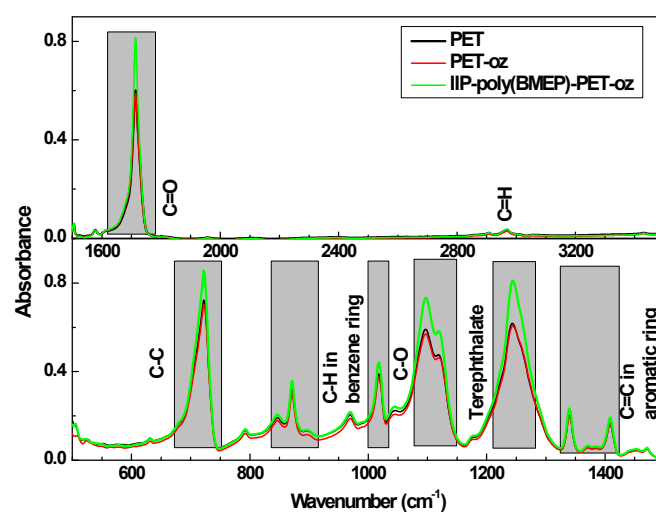


Figure S2. FT-IR spectra of the pristine (PET), ozone exposed (PET-oz) and ion-imprinted (IIP-poly(BMEP)-PET-oz) substrates.

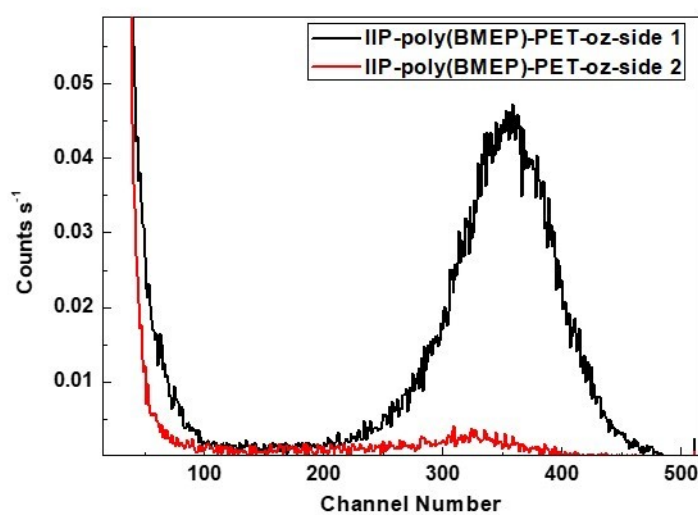


Figure S3. Pulse height spectra of the two sides of the Pu loaded IIP-poly(BMEP)-PET-oz substrate.

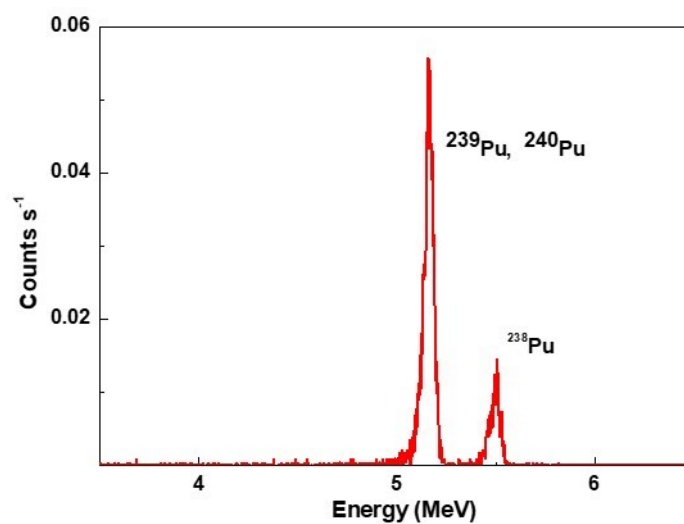


Figure S4. Alpha Spectra of the Ce(IV) imprinted PET substrate (IIP-poly(BMEP)-PET-oz).

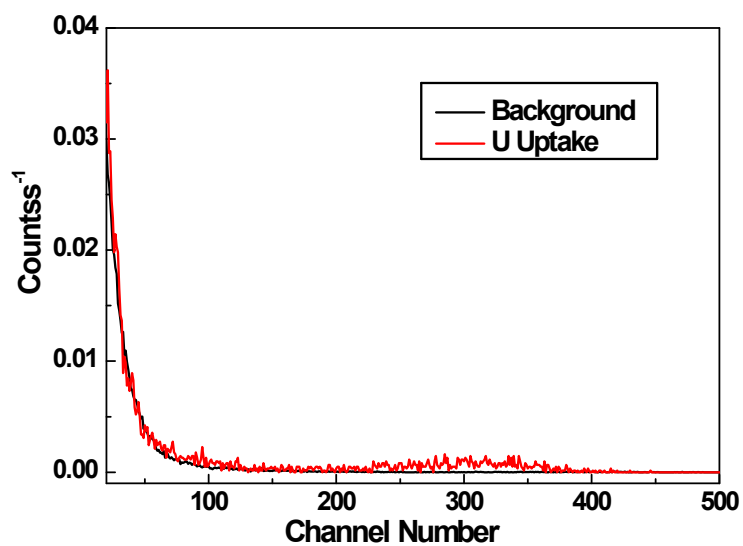


Figure S5. Pulse Height Spectra of the Ce(IV) imprinted PET substrate (IIP-poly(BMEP)-PET-oz) equilibrated with ²³³U (16 Bq, ~46 ng U).