

**Enhanced binding capacity of boronate affinity fibrous material for
effective enrichment of nucleosides in urine samples**

Supplementary data

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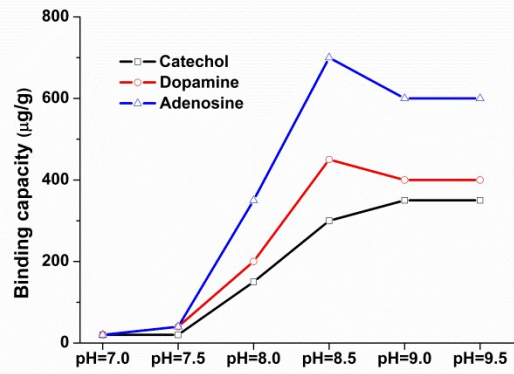


Figure S1. Effect of solution pH on the binding capacity of SCF@PEI@PBA towards catechol, dopamine and adenosine.

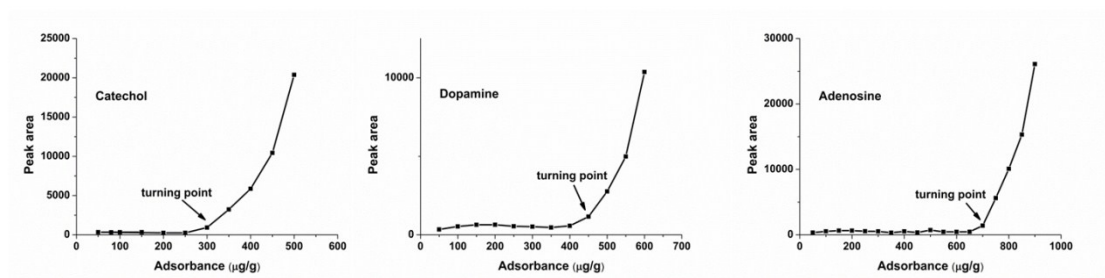


Fig. S2. Enrichment capacity analysis of SCF@PEI@PBA toward catechol, dopamine and adenosine.

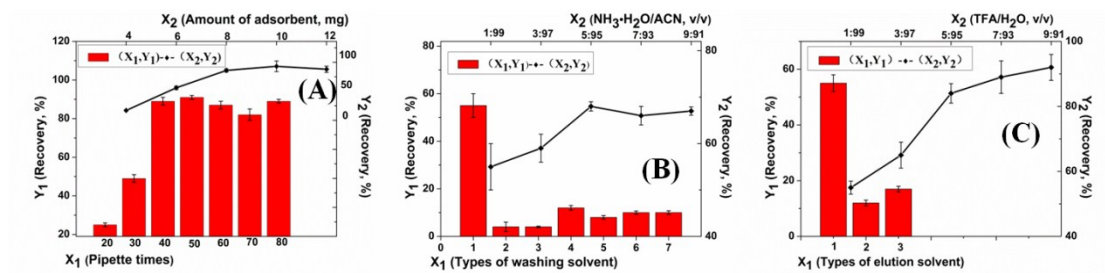


Figure. S3. Effects of (A) adsorbent dose and pipette times, (B) type and ratio of washing solvent and (C) type and ratio of elution solvent. Washing solvent in B: 1, $\text{NH}_3 \cdot \text{H}_2\text{O} \cdot \text{ACN}$; 2, $\text{NH}_3 \cdot \text{H}_2\text{O} \cdot \text{H}_2\text{O}$; 3, $\text{NH}_3 \cdot \text{H}_2\text{O} \cdot \text{ethanol}$; 4, $\text{NH}_3 \cdot \text{H}_2\text{O} \cdot \text{methanol}$; 5, $\text{NH}_3 \cdot \text{H}_2\text{O} \cdot \text{acetone}$; 6, $\text{NH}_3 \cdot \text{H}_2\text{O} \cdot \text{tetrahydrofuran}$; 7, $\text{NH}_3 \cdot \text{H}_2\text{O} \cdot \text{DMF}$. Elution solvent in C: 1, $\text{TFA} \cdot \text{H}_2\text{O}$; 2, $\text{formic acid} \cdot \text{H}_2\text{O}$; 3, $\text{acetic acid} \cdot \text{H}_2\text{O}$.