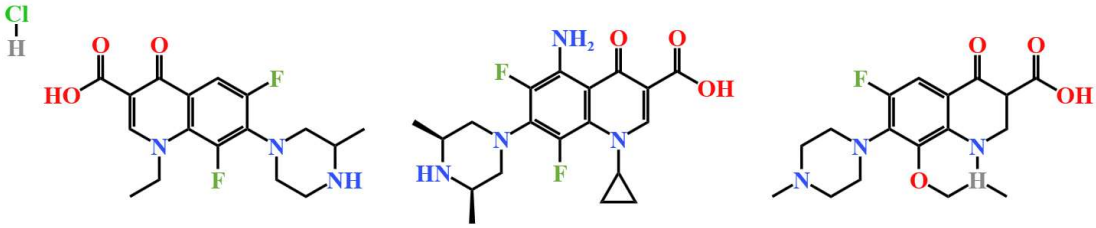
Supplementary Materials for

Fabrication of fluorinated magnetic covalent organic frame-works for the extraction of fluoroquinolone residues coupled with HPLC detection

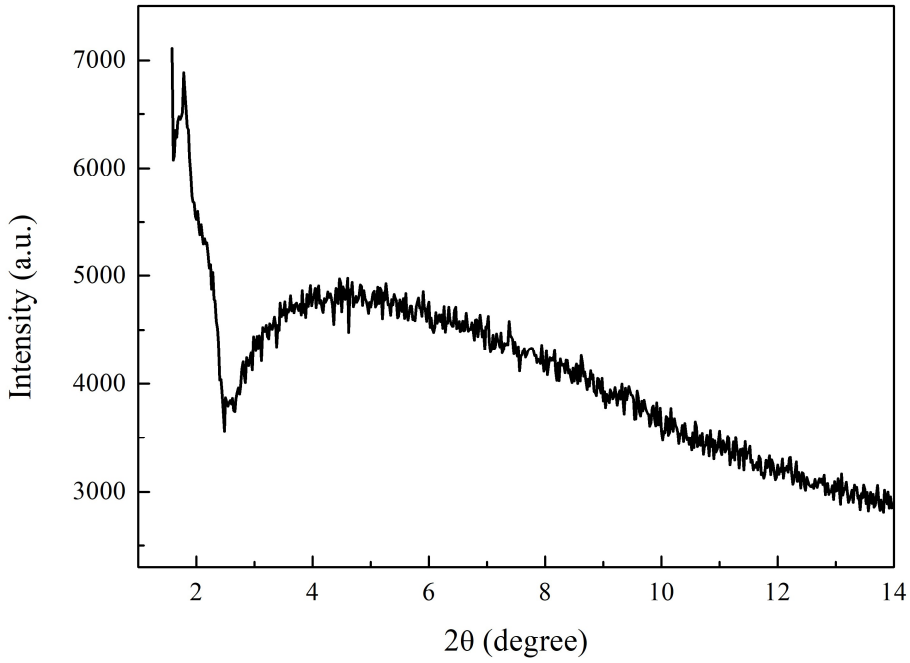
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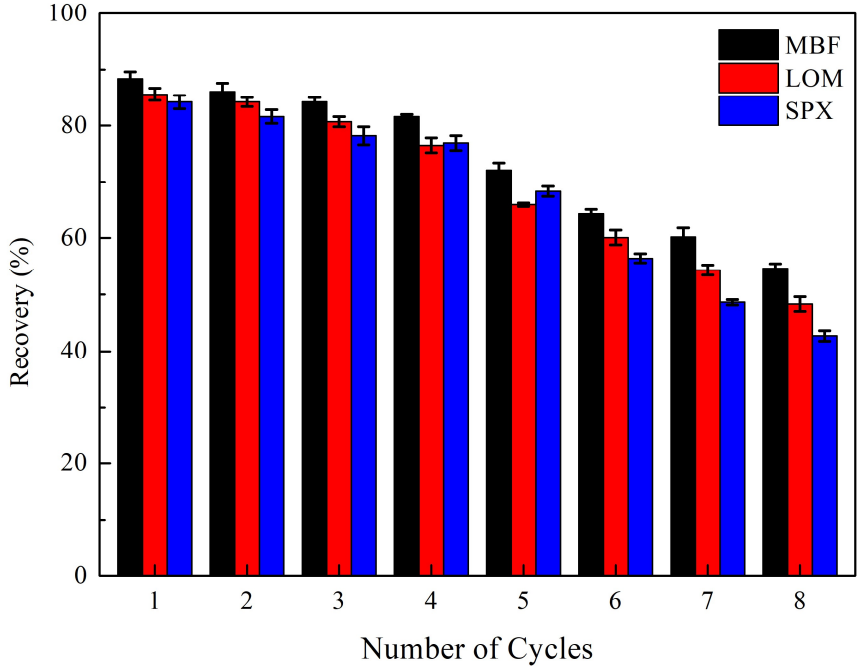


lomefloxacin hydrochloride (LOM) **sparfloxacin (SPX)** **marbofloxacin (MFB)**

Supplementary Figure S1. Chemical structures of target analytes



Supplementary Figure S2. Small angle XRD patterns of Fe_3O_4@PDA@COF



Supplementary Figure S3. Reusability of Fe_3O_4@PDA@COF for the adsorption of FQs

Section S1. Instrumental Operating Conditions

XRD: Data were collected over a 2θ range of 1.5–80° at a scanning rate of 2°·min^{-1} with a step size of 0.02°.

FT-IR: The samples were ground with spectroscopic grade KBr and pressed into transparent pellets. Spectra were collected in the range of 4000–400 cm^{-1} at a resolution of 4 cm^{-1} with 32 scans accumulated.

N_2 adsorption–desorption curve: Prior to N_2 adsorption–desorption analysis, the samples were degassed for 6 h under vacuum. The measurements were performed at 77 K over a relative pressure (P/P_0) range of 0.01–0.99.

Magnetic hysteresis loops: The measurement conditions are at room temperature over a magnetic field range of -20,000 to +20,000 Oe.