



Supporting information

Degradation of Tetracycline Hydrochloride by Cu-Doped MIL-101(Fe) Loaded Diatomite Heterogeneous Fenton Catalyst

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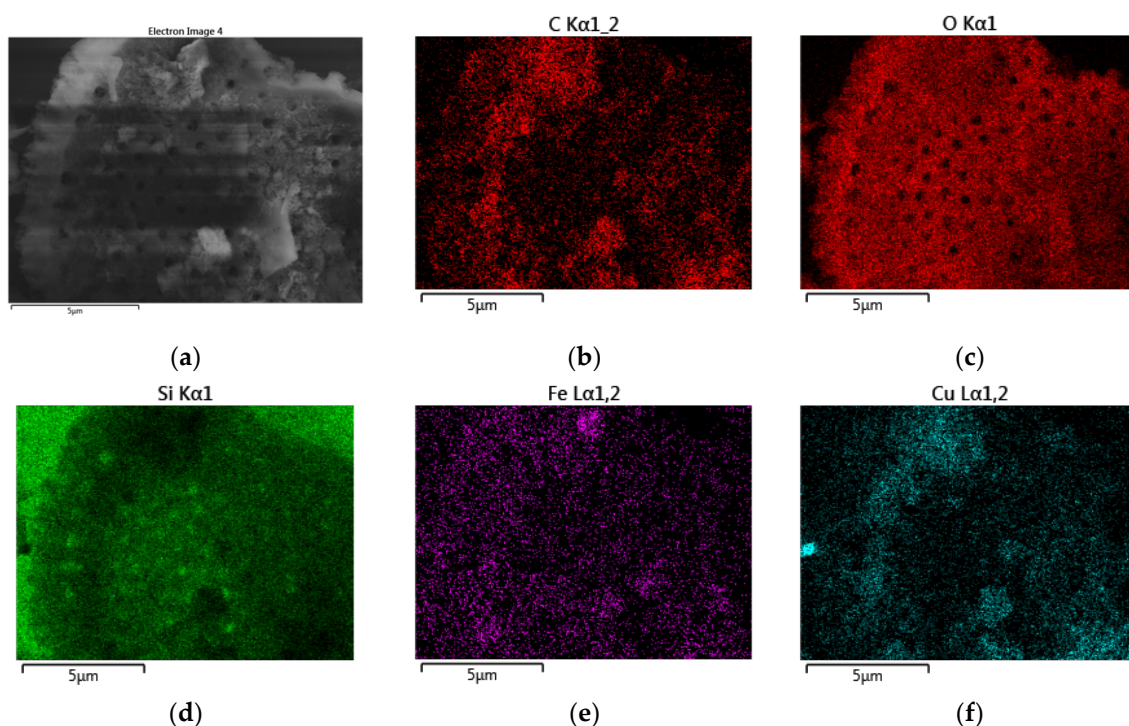


Figure S1. (a)EDXS elemental mapping for $\text{Fe}_{0.25}\text{Cu}_{0.75}(\text{BDC})@\text{DE}$ confirmed the presence of (b) C, (c) O (d) Si (e) Fe and (f) Cu.

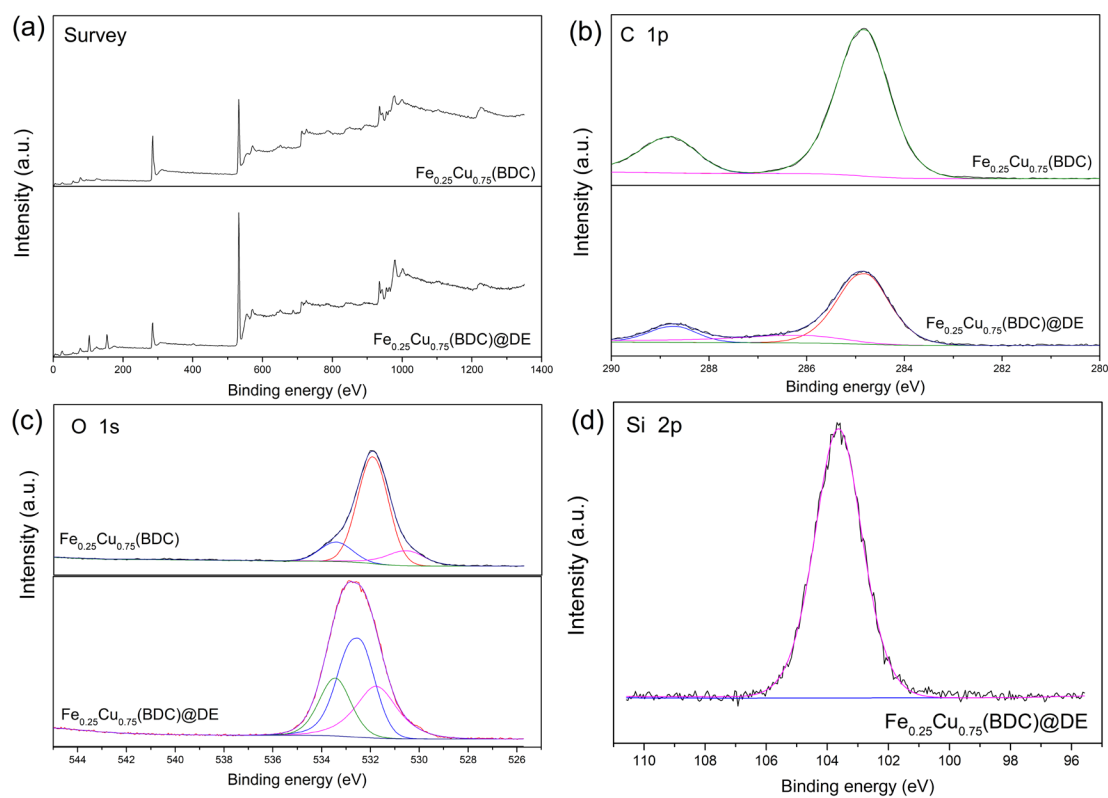


Figure S2. (a) XPS survey spectrum and high-resolution XPS spectra of (b) C 1p, (c) O 1s for the $\text{Fe}_{0.25}\text{Cu}_{0.75}(\text{BDC})$ and $\text{Fe}_{0.25}\text{Cu}_{0.75}(\text{BDC})@\text{DE}$ nanoparticles, and (d) Si 2p. for $\text{Fe}_{0.25}\text{Cu}_{0.75}(\text{BDC})@\text{DE}$ nanoparticles.

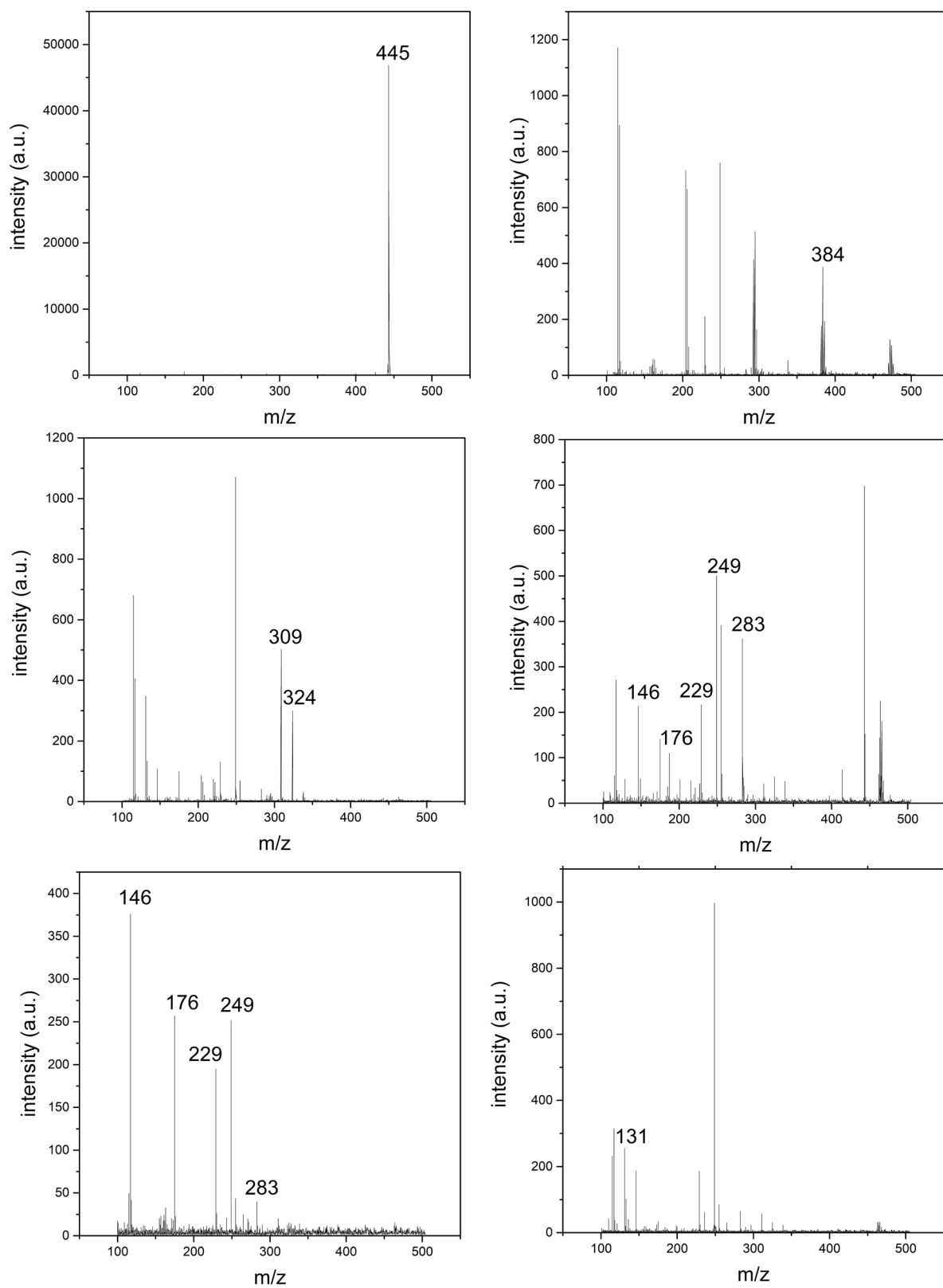


Figure S3. Mass spectrum of TC and its degradation intermediates.