In situ construction of hollow carbon spheres with N, Co, Fe co-doping as electrochemical sensor for simultaneous determination of dihydroxybenzene isomers



Fig. S1 (a), (b) and (c) Representative SEM images of the N-HCS, N-Co-HCS and N-Fe-HCS. (d), (e) and (f) Representative TEM images of the N-HCS, N-Co-HCS and N-Fe-HCS.



Fig. S2 EDS images of the 3D N-Co-Fe-HCS.



Fig. S3 XPS of C 1s (a) and O 1s (b) from the N-Co-Fe-HCS.



Fig. S4 (a) CVs of modified electrodes by different proportions of cobalt iron (100 μ mol/L CC and HQ, 0.1 mol/L PBS, pH (8.0), scan rate: 100 mV s⁻¹; (b) EIS of modified electrodes by different proportions of cobalt iron.