Synthesis of carbon quantum dot nanoparticles derived from byproducts in bio-refinery process for cell imaging and in-vivo bioimaging

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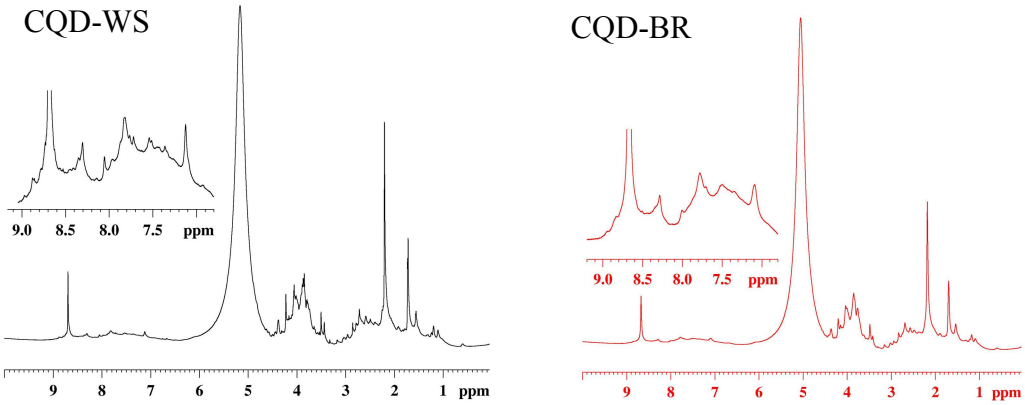

Fig. S1 ^{1}H NMR spectra of CQD-WS and CQD-BR

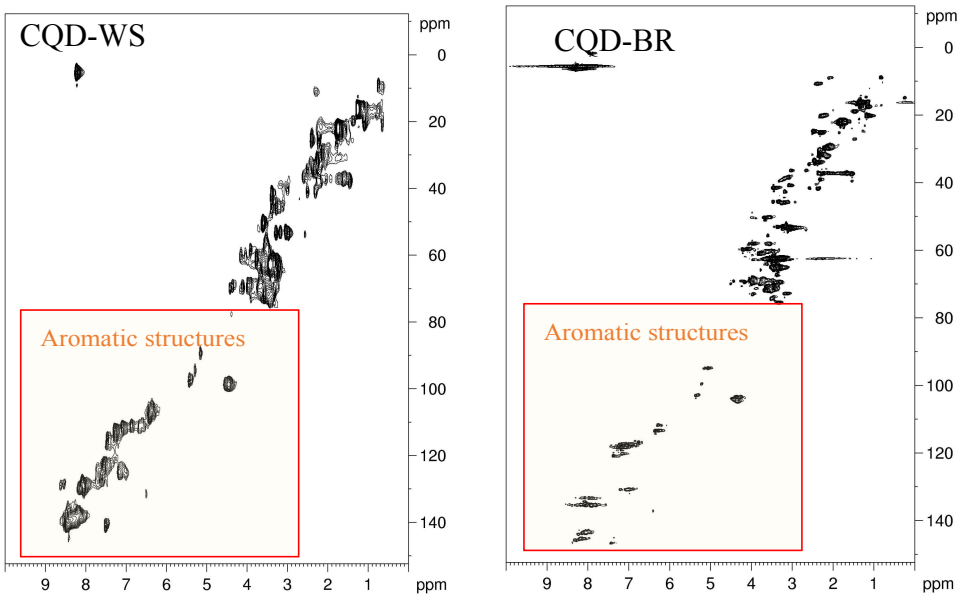

Fig. S2 2D-HSQC spectra of CQD-WS and CQD-BR

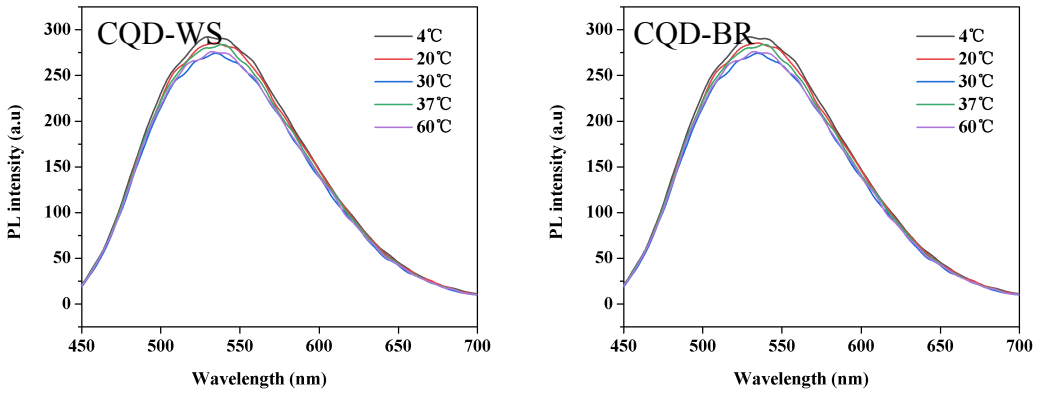

Fig. S3 the fluorescent behavior of the CQD-WS and CQD-BR observed at 4-60 ^{o}C

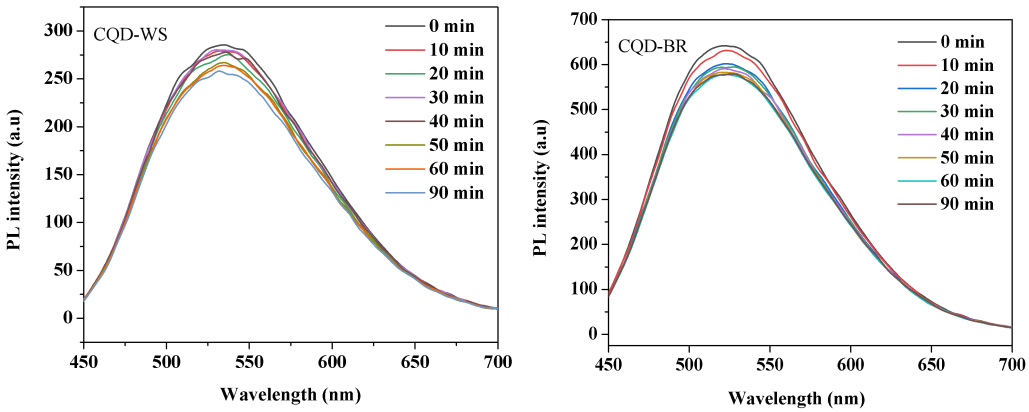

Fig. S4 Fluorescence intensity of CQD-WS and CQD-BR upon irradiation with UV light at 365 nm (0.1 mW cm^{-2}) in aqueous solution