

Electronic Supplementary Information

Surface Functionalization of Graphene Quantum Dots with Small Organic Molecules from Photoluminescence Modulation to Bioimaging Applications: An Experimental and Theoretical Investigation

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- 1. Figure S1.** The XPS spectrum of CQDs.
- 2. Figure S2.** The XPS spectrum of CQDs-EG.
- 3. Figure S3.** The XPS spectrum of CQDs-EDA.
- 4. Figure S4.** FR-IR spectra of P-GQDs, G-GQDs, DTG-GQDs, EDA-GQDs, PDA-GQDs, BDA-GQDs and EA-GQDs.
- 5. Figure S5.** Optimized structures of modelled polyaromatic compounds

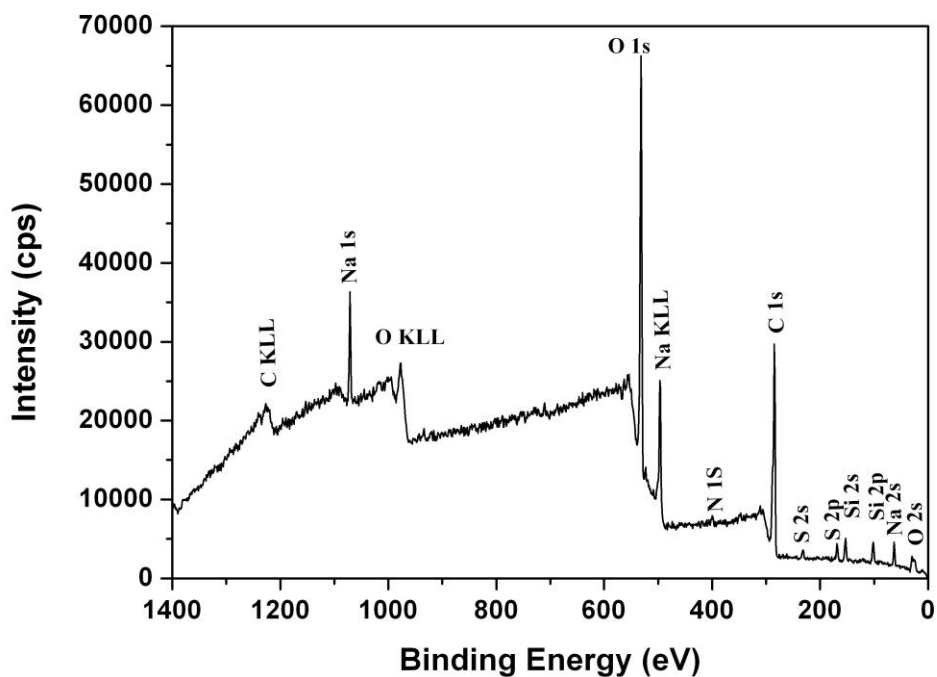


Figure S1. The XPS spectrum of CQDs.

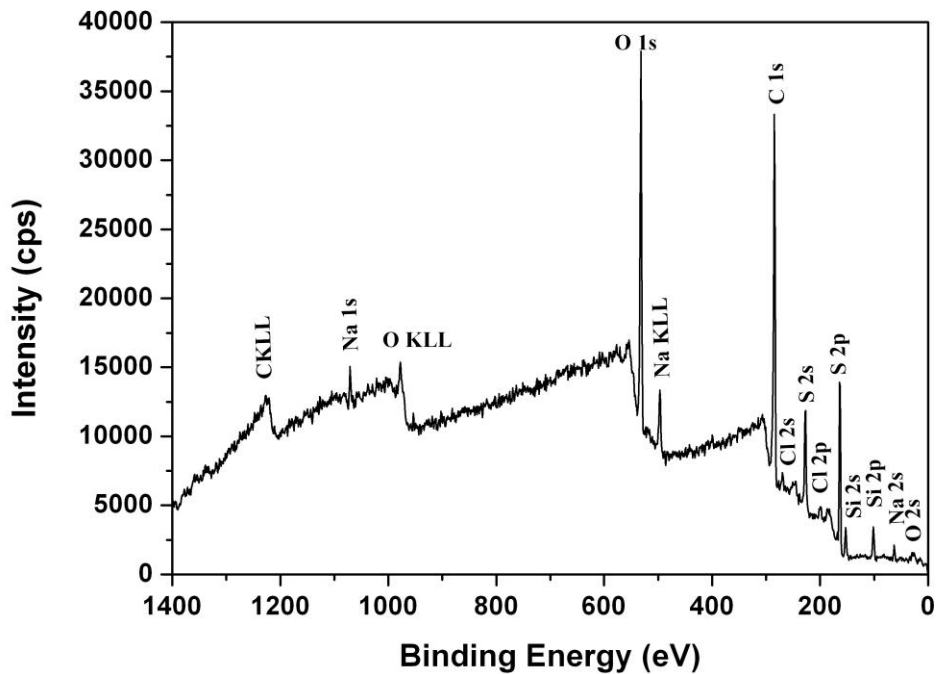


Figure S2. XPS spectrum of CQDs-EG.

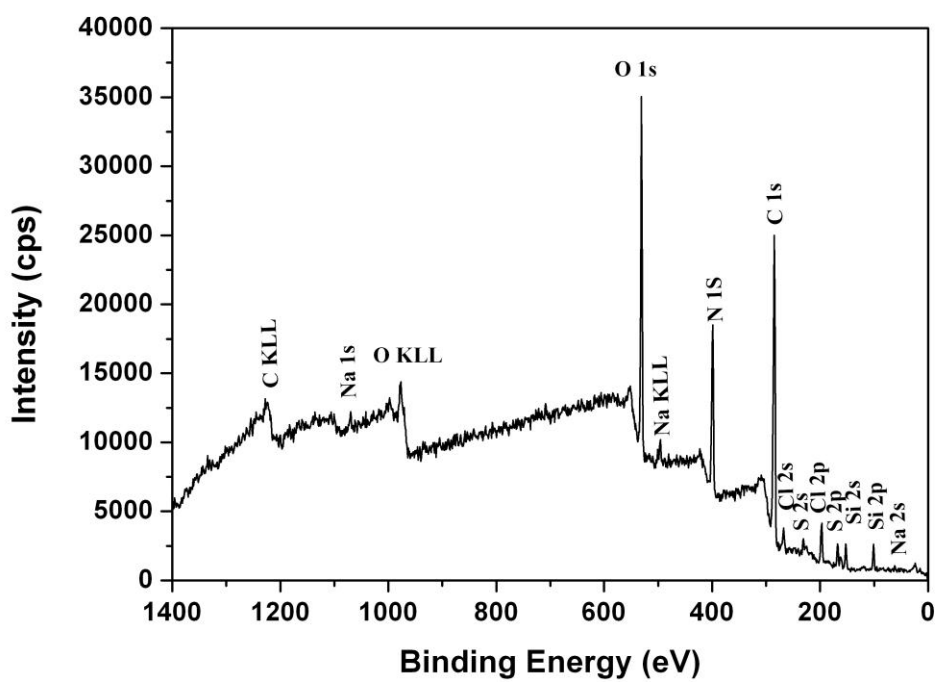


Figure S3. XPS spectrum of CQDs-EDA.

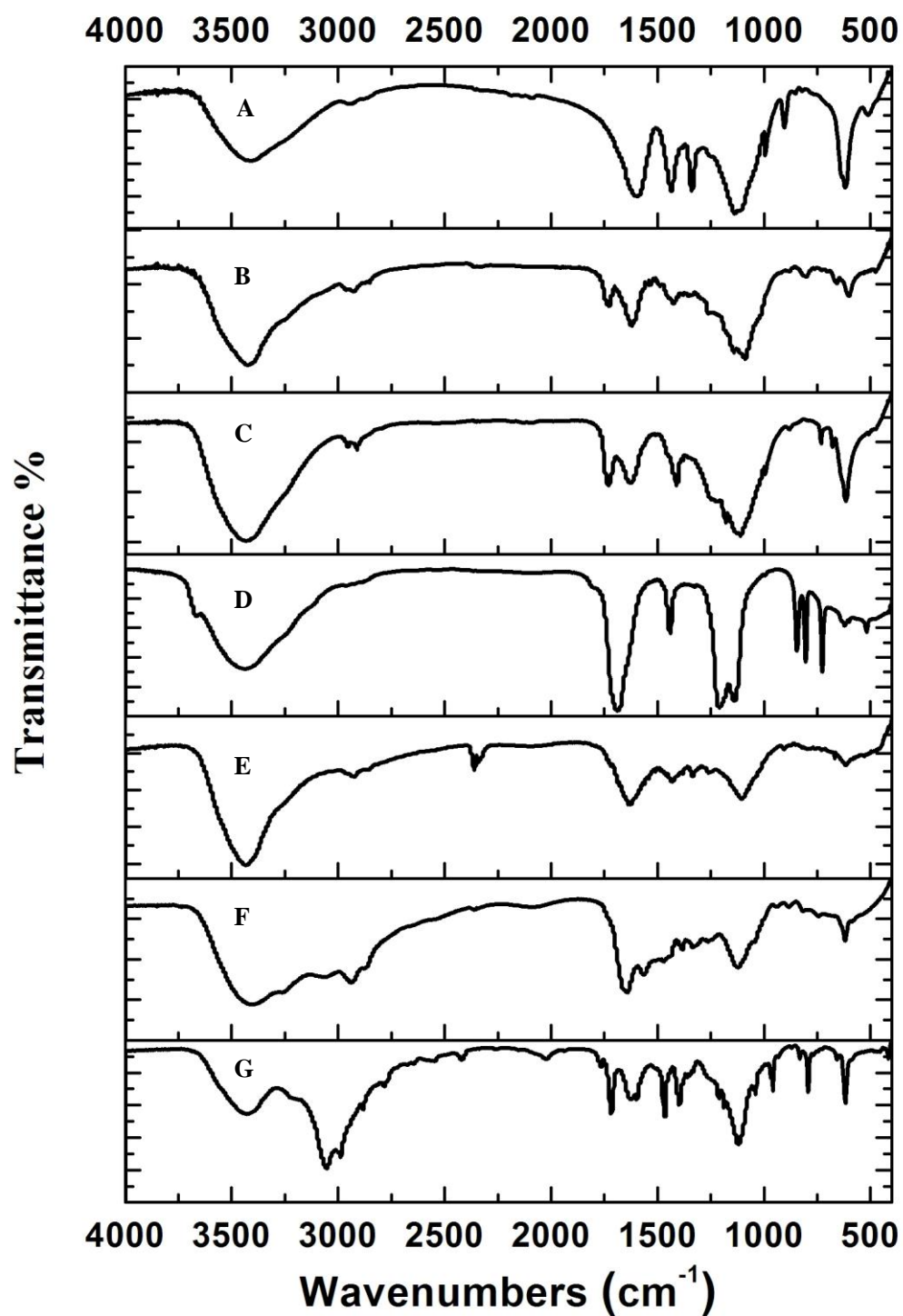


Figure S4 FR-IR spectra of P-GQDs (A), G-GQDs (B), DTG-GQDs (C), EDA-GQDs (D), PDA-GQDs (E), BDA-GQDs (F) and EA-GQDs (G).

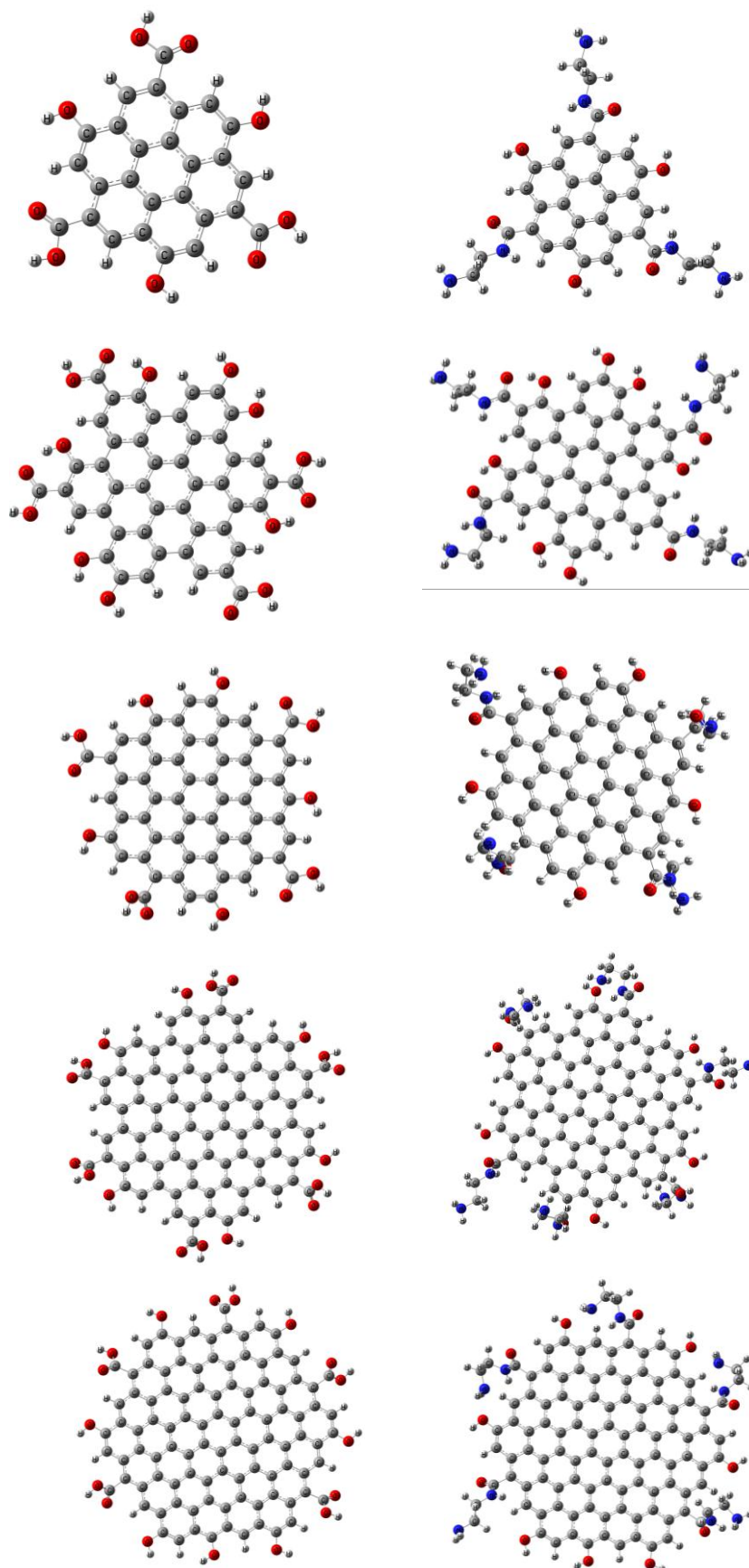


Figure S5. Optimized structures of modelled polyaromatic compounds