

SUPPORTING INFORMATION

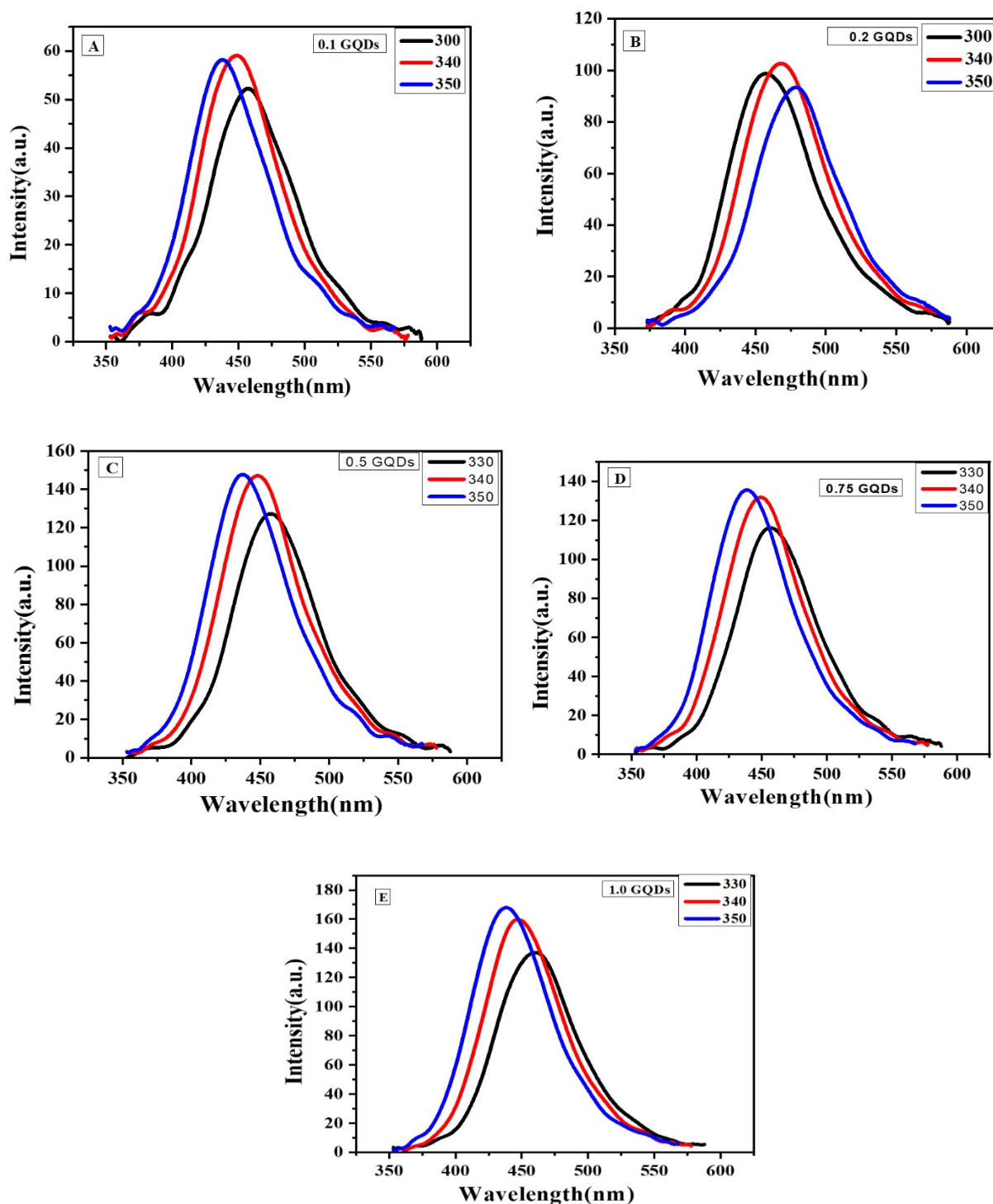


Fig. S1. Fluorescence spectra for studying the effect of concentration of GQDs: (a) 0.1 a.u., (b) 0.25 a.u., (c) 0.50 a.u., (d) 0.75 a.u. and 1.0 a.u. along with three different energy of excitation.

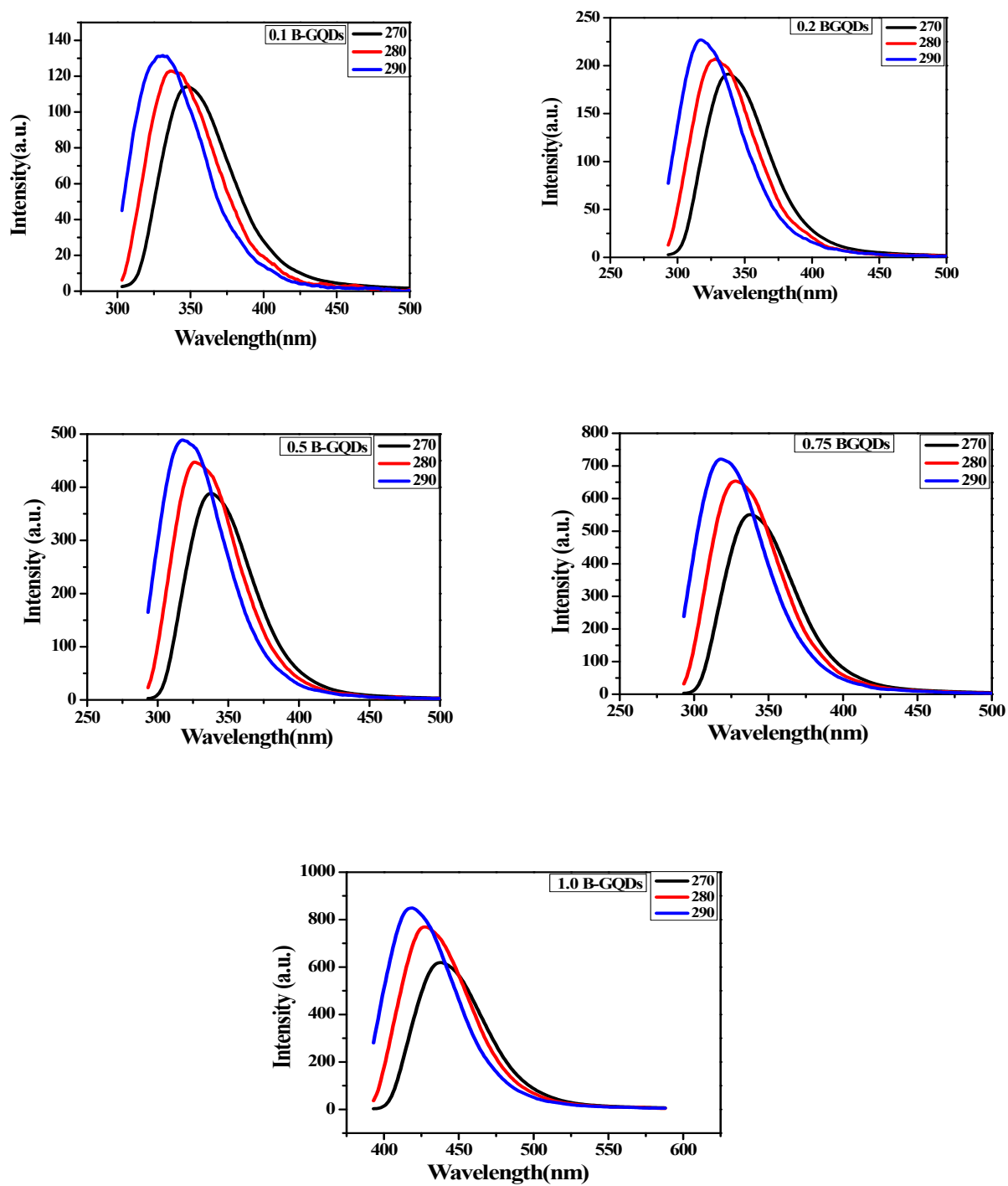


Fig. S2. Fluorescence spectra for studying the effect of concentration of B-GQDs: (a) 0.1 a.u., (b) 0.25 a.u., (c) 0.50 a.u., (d) 0.75 a.u. and 1.0 a.u. along with three different energy of excitation.

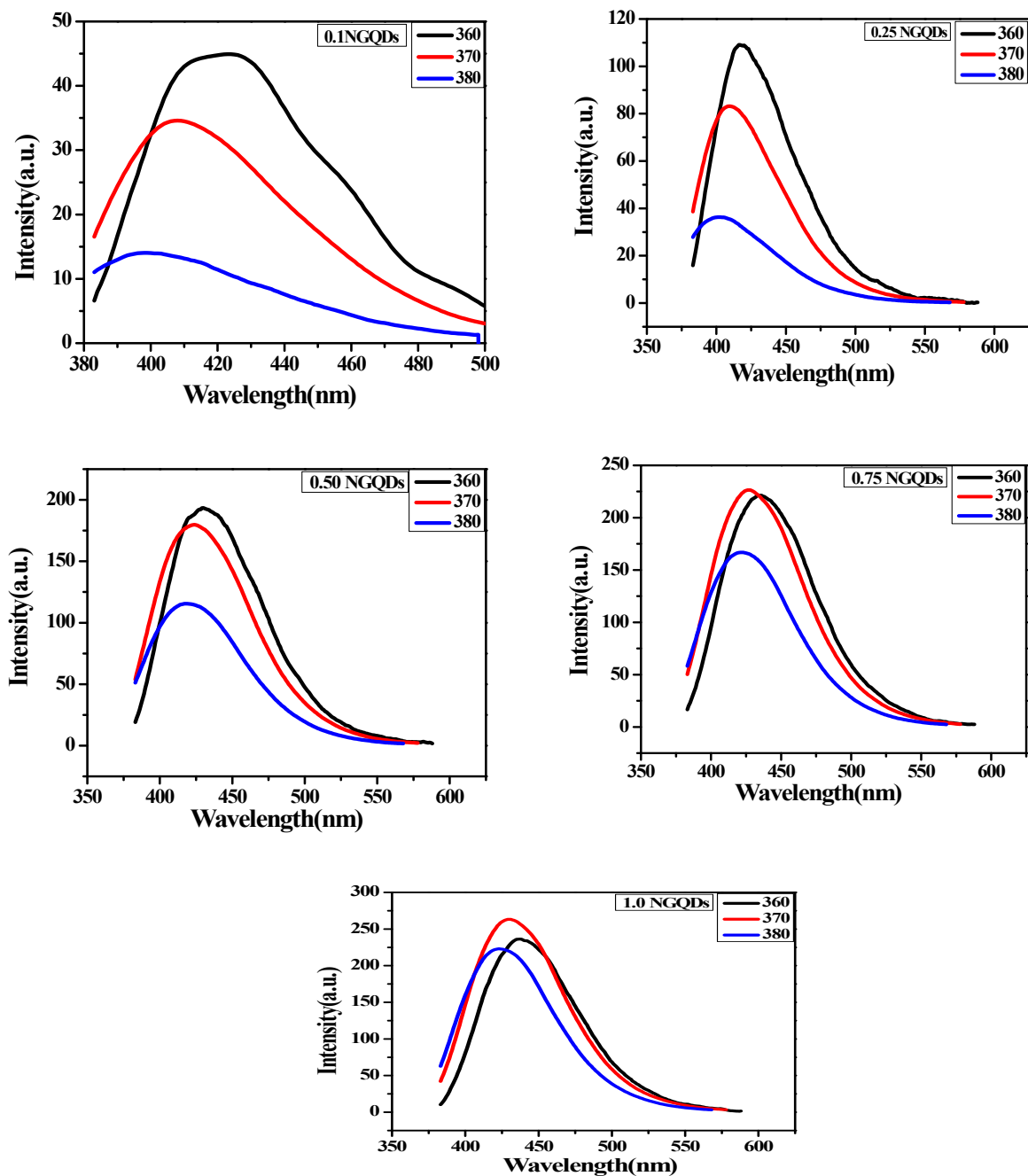


Fig. S3. Fluorescence spectra for studying the effect of concentration of N-GQDs: (a) 0.1 a.u., (b) 0.25 a.u., (c) 0.50 a.u., (d) 0.75 a.u. and 1.0 a.u. along with three different energy of excitation.

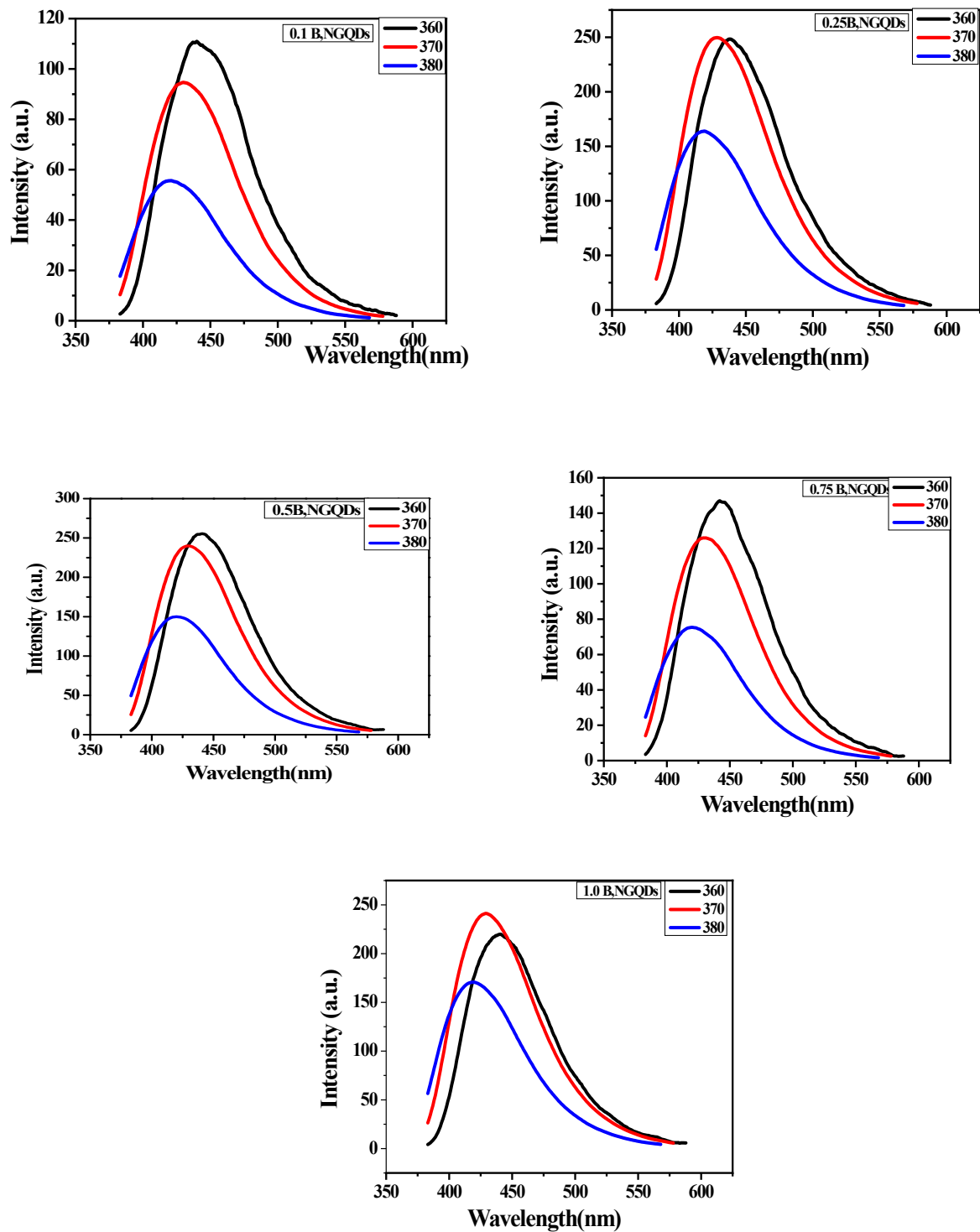


Fig. S4. Fluorescence spectra for studying the effect of concentration of B,N-GQDs: (a) 0.1a.u., (b) 0.25 a.u., (c) 0.50 a.u., (d) 0.75 a.u. and 1.0 a.u. along with three different energy of excitation.

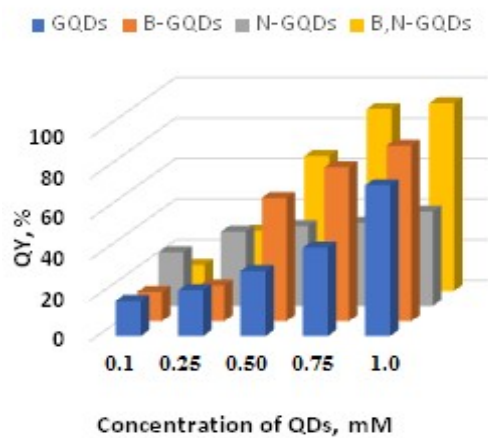
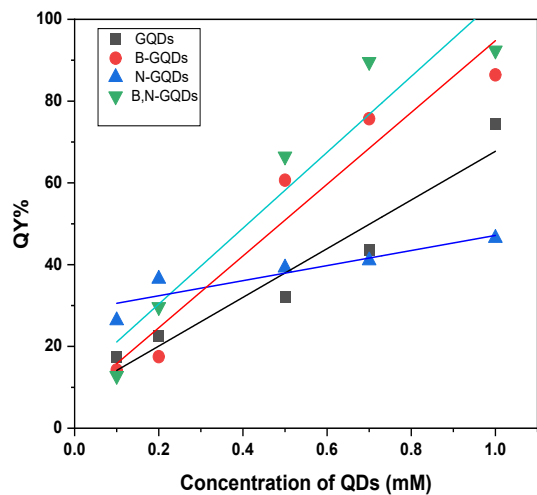


Fig. S5. Calibration curve for GQDs, B-GQDs, N-GQDs, B,N-GQDs and their 3D bar plot (a-b).