Supplementary material

Probing the Cytotoxicity of CdS-MPA and CdSe-MUA QDs on Staphylococcus aureus using MALDI-MS and Epifluorescence microscopy

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Fig. Scheme

Synthesis of CdS-MPA QDs  Synthesis of CdSe-MUA QDs

Growth of *S. aureus* in liquid broth for 12h

Add different conc of QDs in bacterial broth

Collect the sample in 3, 6, 9, 12h

Centrifuge at 10,000rpm remove supernatant, add 400µL water, vortex 10min, repeat the same for 2 times

1 2 3

Spot on MALDI-MS plate with SA matrix

Take sample on glass slide and add Acridine orange

O.D 600nm
Fig S 1 A.

Fig S 1 B.
Fig S2 A.

Absolute Abundance

(a)

(b)

(c)

(d)

(e)

(f)