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Supplementary Data

FRET-based carbazole-fluorescein ionic nanoparticle for use as an effective bioimaging agent

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Supplementary material

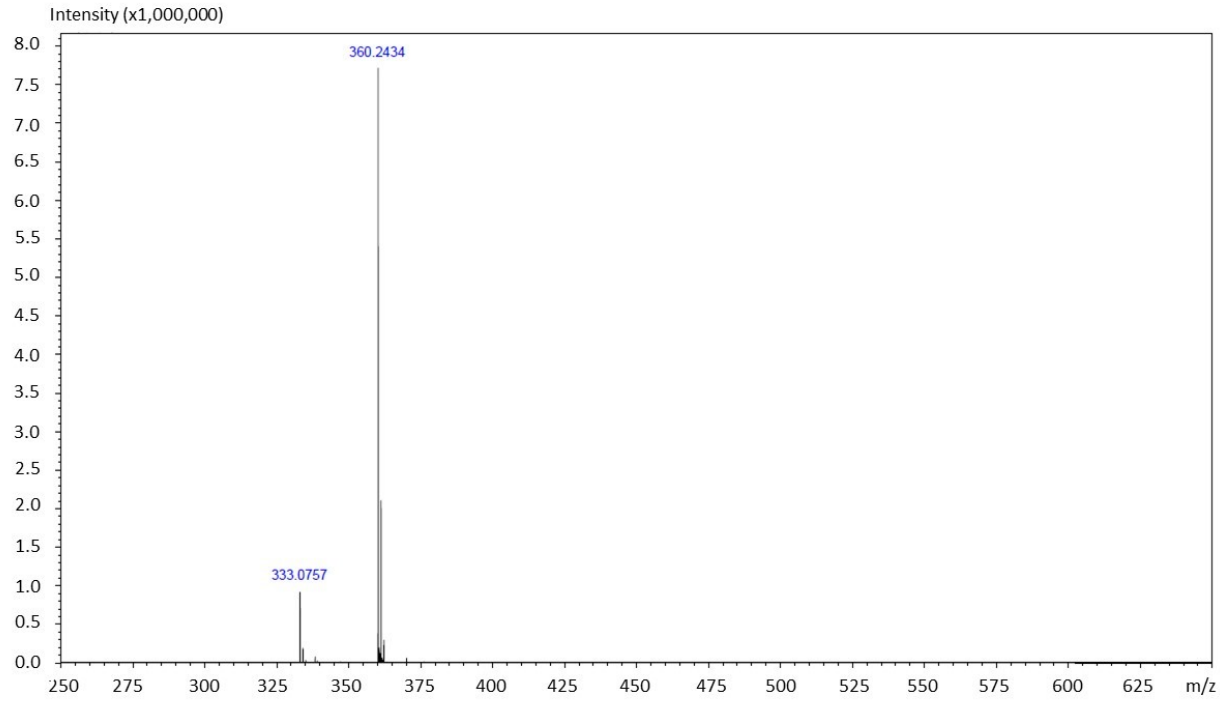

Figure S1. the observed peaks of the positive and negative ion modes were 360.2434 and 333.0757, respectively. These values were consistent with the calculated molecular weight of CI^{+} ion (360.51 g/mol) and Fl^{2-} ion (330.29/mol).

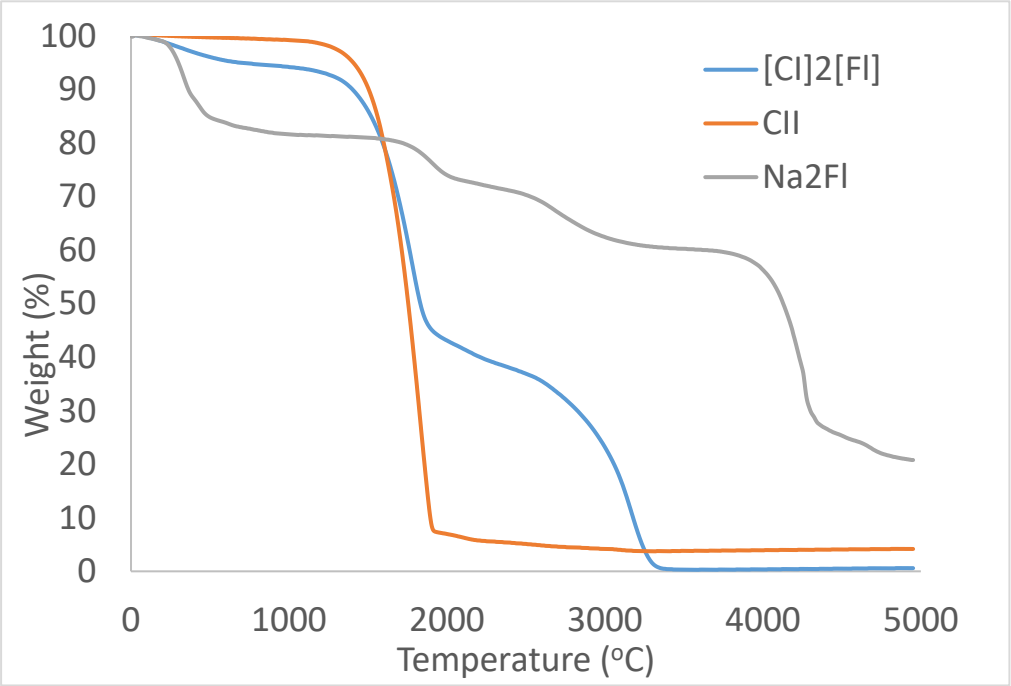

Figure S2. Both parent dyes and the IM were heated under continuous airflow from 25-800 °C.

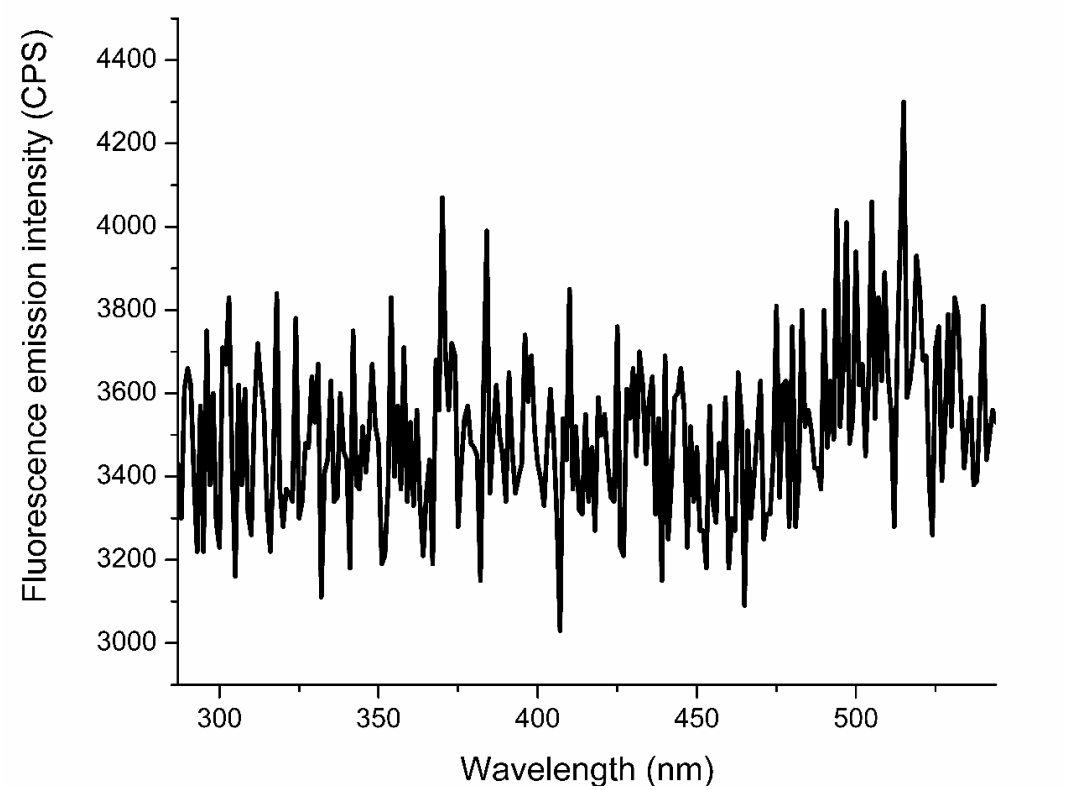

Figure S3. Fluorescence emission spectra of Na2Fl excited at 277 nm.

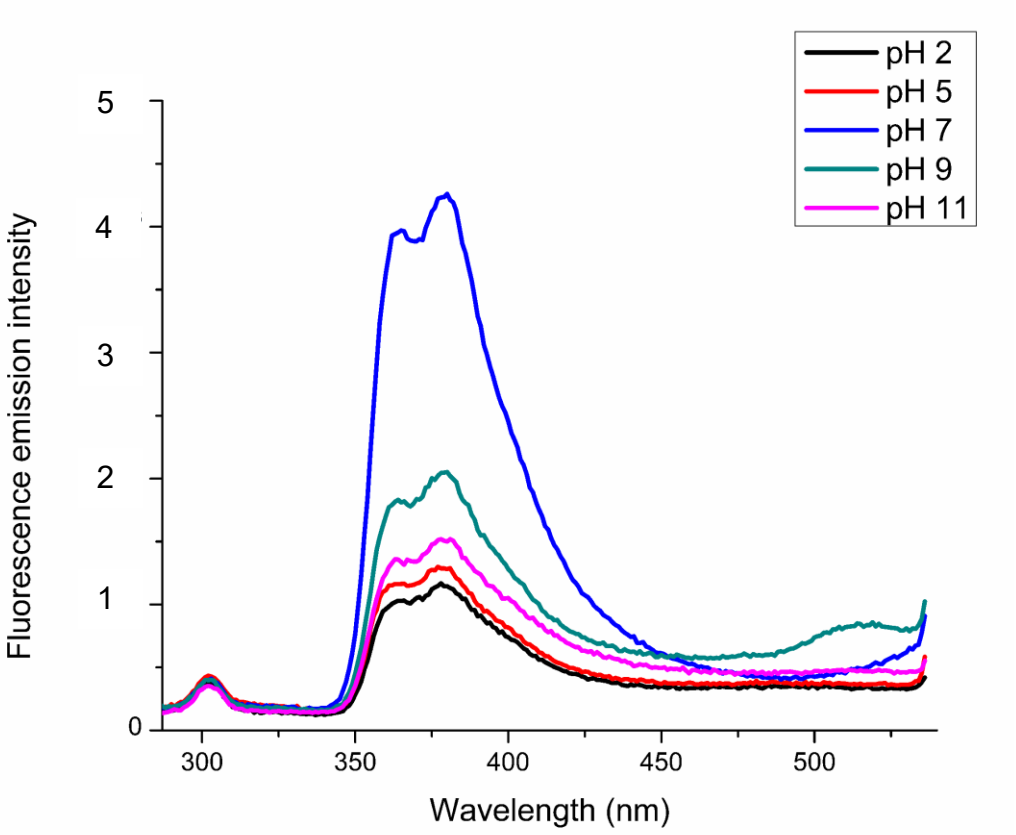

Figure S4. Emission of CII at varying pH values when excited at 277 nm.

pH buffers for adsorption studies

pH 2:
Combine 25 ml 0.2 M glycine and 22.0 ml HCl and dilute to 100 ml with DI

pH 4:
Combine the following proportions of 164 mL 0.1 M acetic acid and 36 mL 0.1 M sodium acetate

pH 6:
Combine 32.1 mL 0.2 M dibasic sodium phosphate; 17.9 mL 0.1 M citric acid

pH 8:
0.1 M PBS

pH 10:
Combine 25 ml 0.2 M glycine stock solution with 22.75 ml 0.2 M NaOH and dilute with DI to make a 100 ml solution