Electronic Supplementary Material (ESI) for Organic & Biomolecular Chemistry.

Development of Chemosensor for Sr^{2+} using Organic Nanoparticles: Application of Sensor in Product Analysis for Oral Care

Simanpreet Kaur[a], Amanpreet Kaur[a], Navneet Kaur[a,*], Narinder Singh[b,*]

[a]Centre for Nanoscience and Nanotechnology (UIEAST), Panjab University, Chandigarh, India

[b]Department of Chemistry, Indian Institute of Technology Ropar, Punjab, India

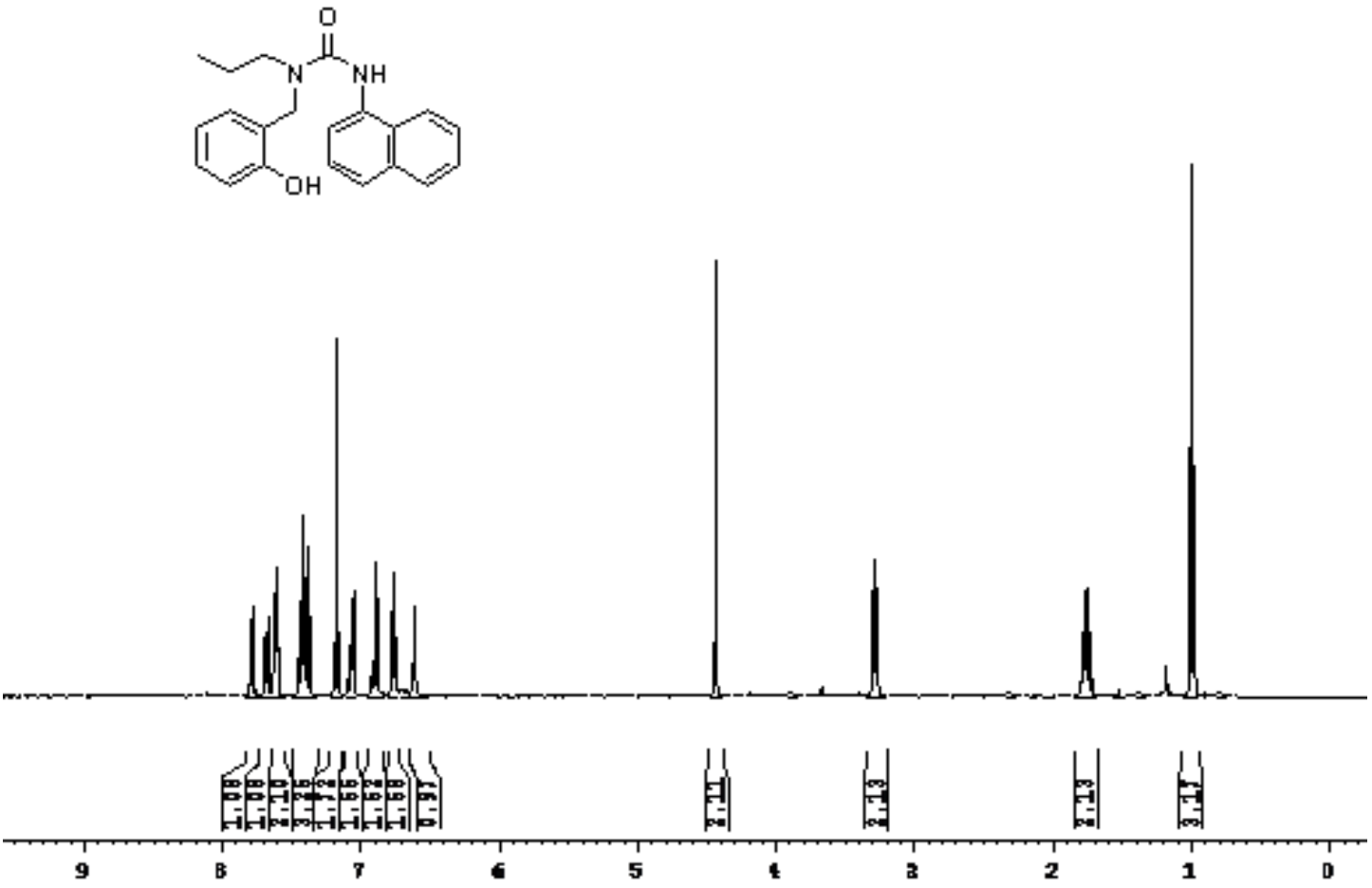

Figure S1. ^{1}H NMR spectra of compound **1**.

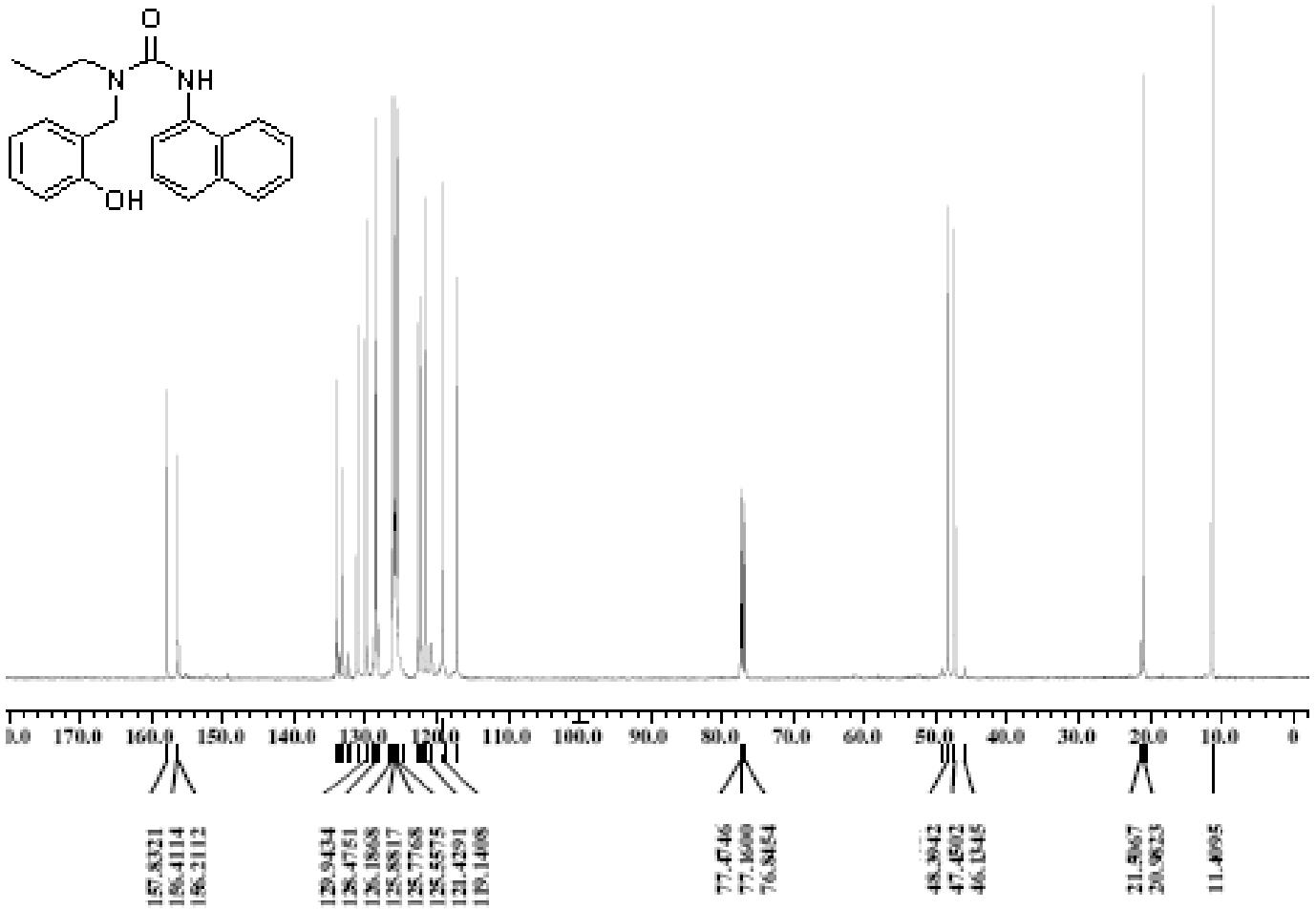

Figure S2. ^{13}C NMR spectra of compound **1**.

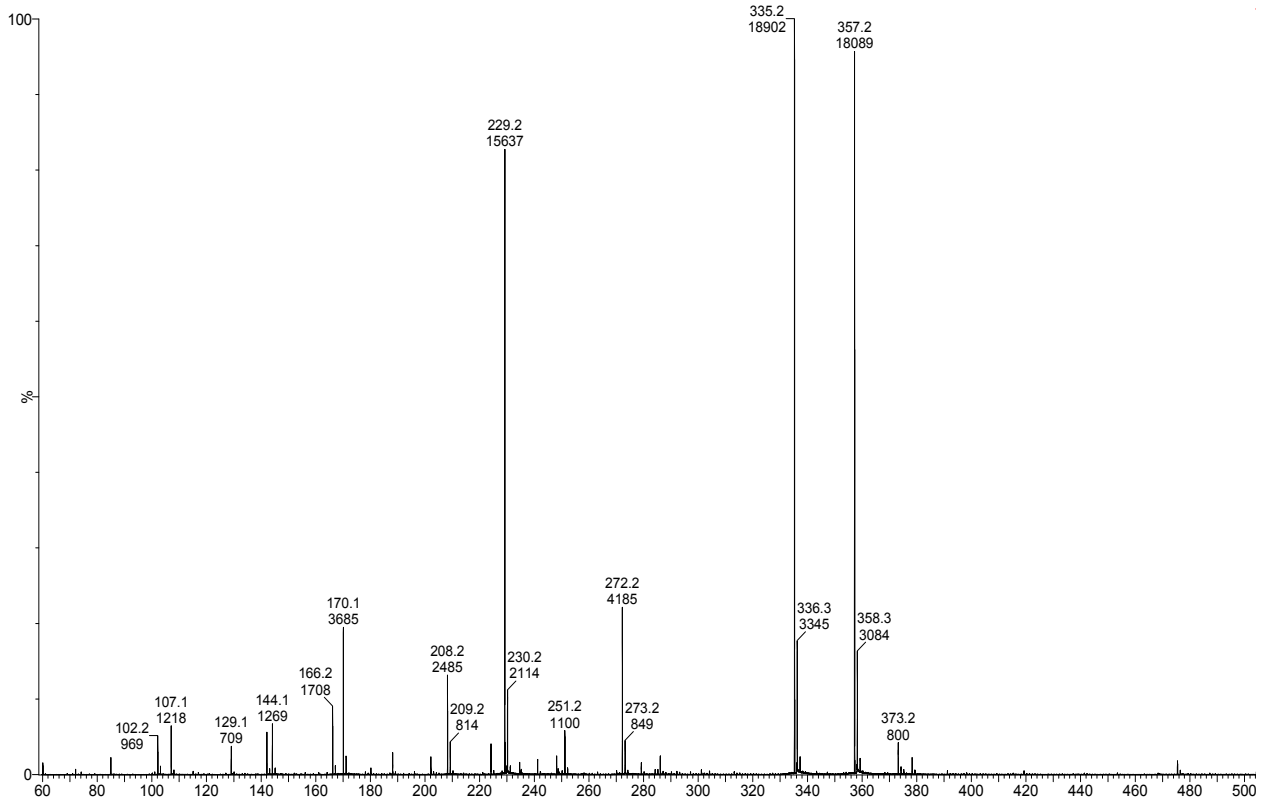

Figure S3. MASS spectra of compound **1**.

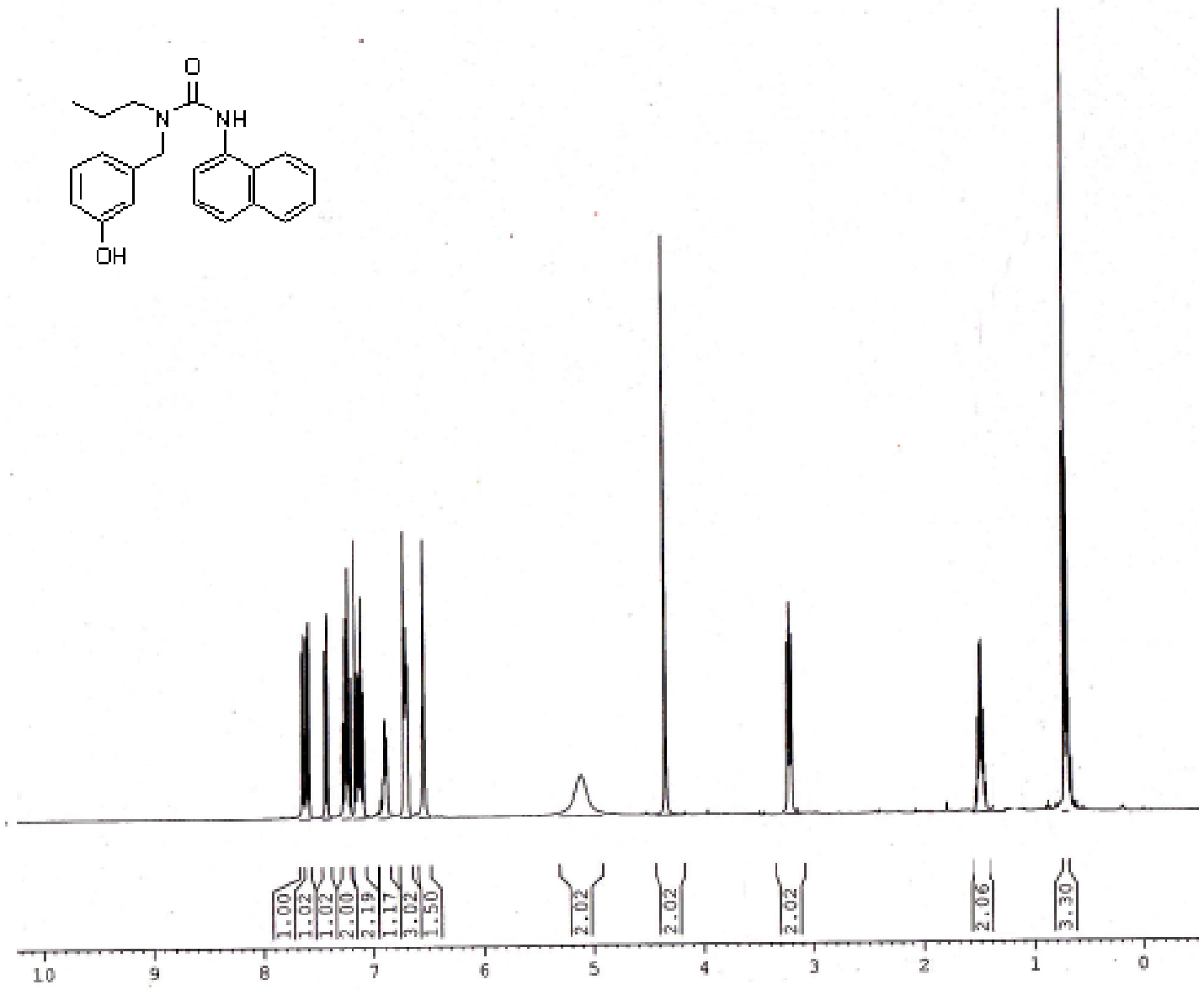

Figure S4. ^{1}H NMR spectra of compound **2**.

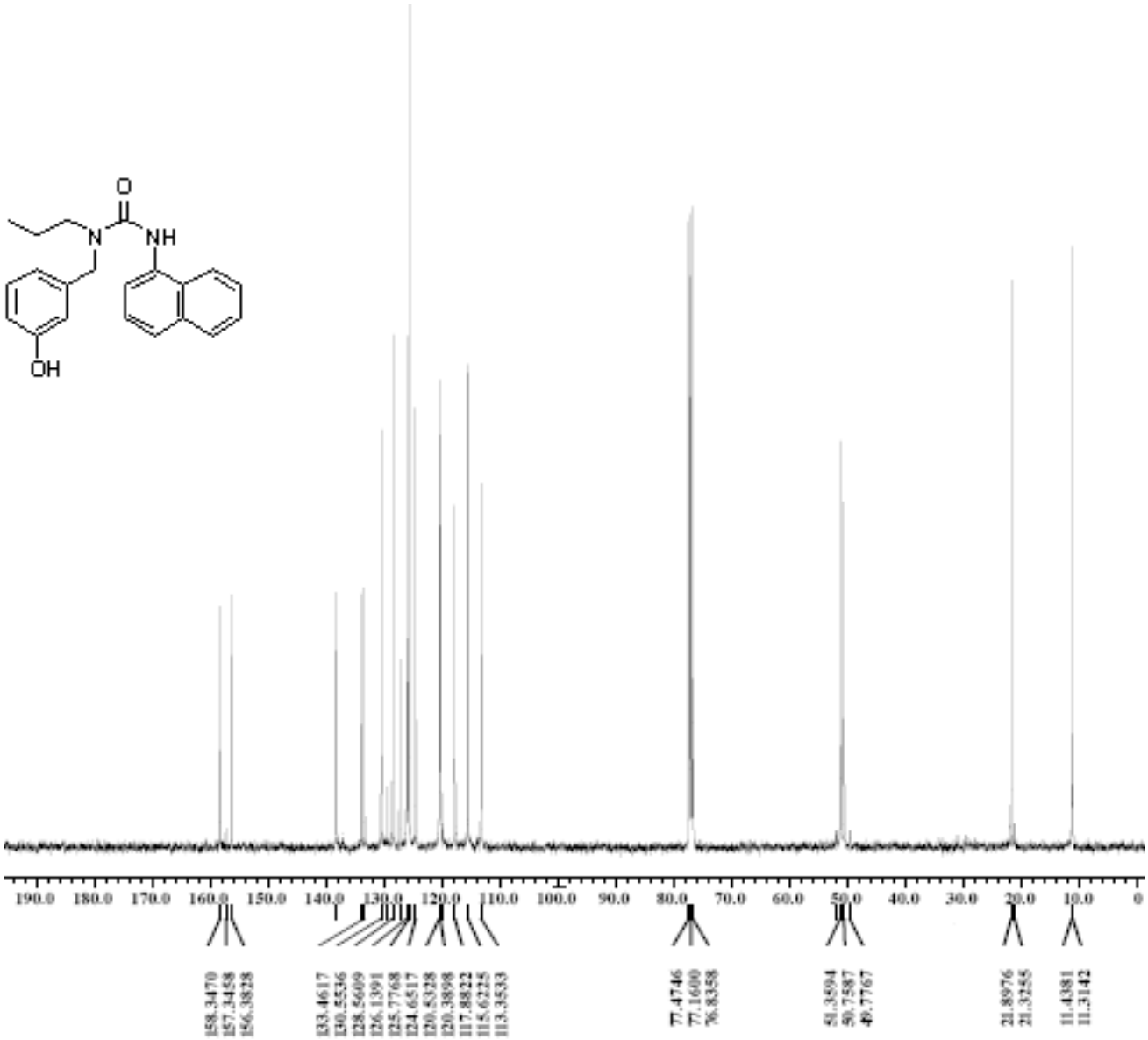

Figure S5. ^{13}C NMR spectra of compound **2**.

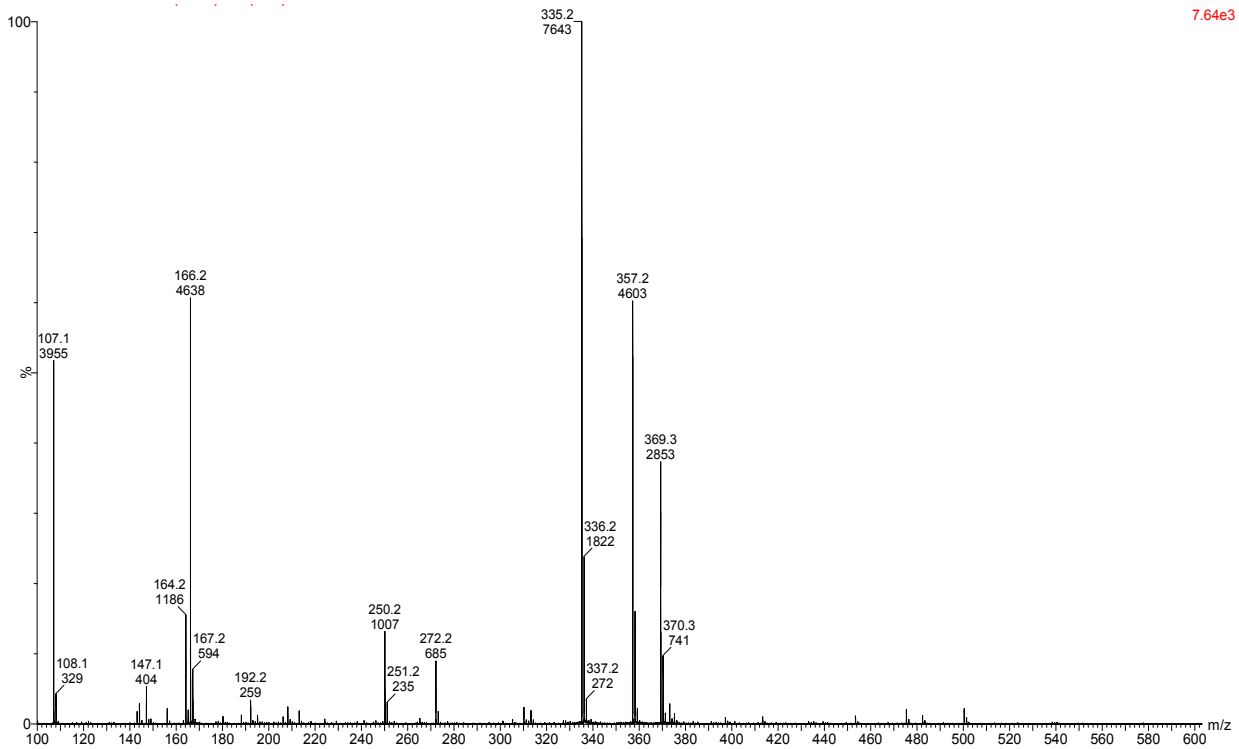

Figure S6. MASS spectra of compound **2**.

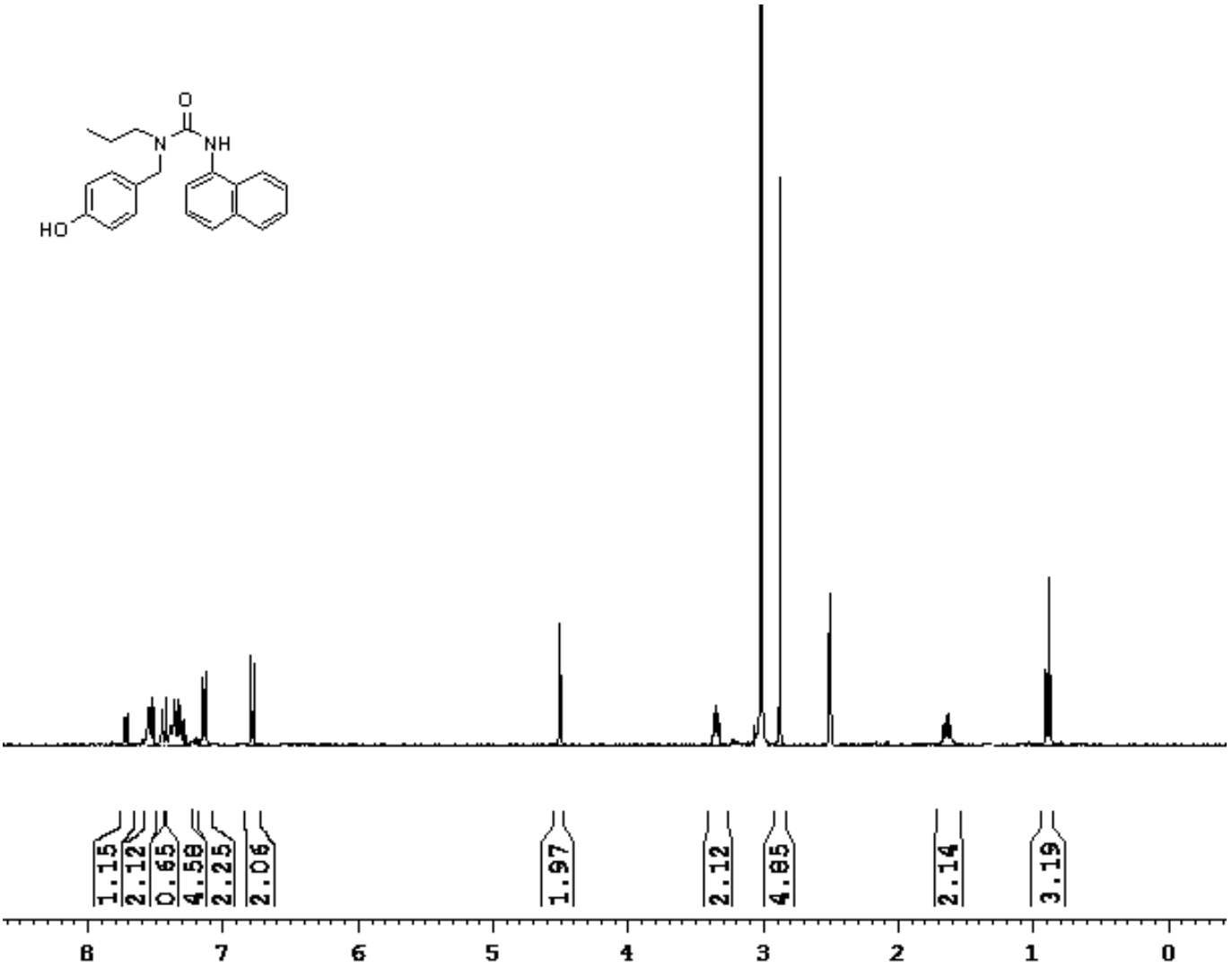

Figure S7. ^{1}H NMR spectra of compound **3**.

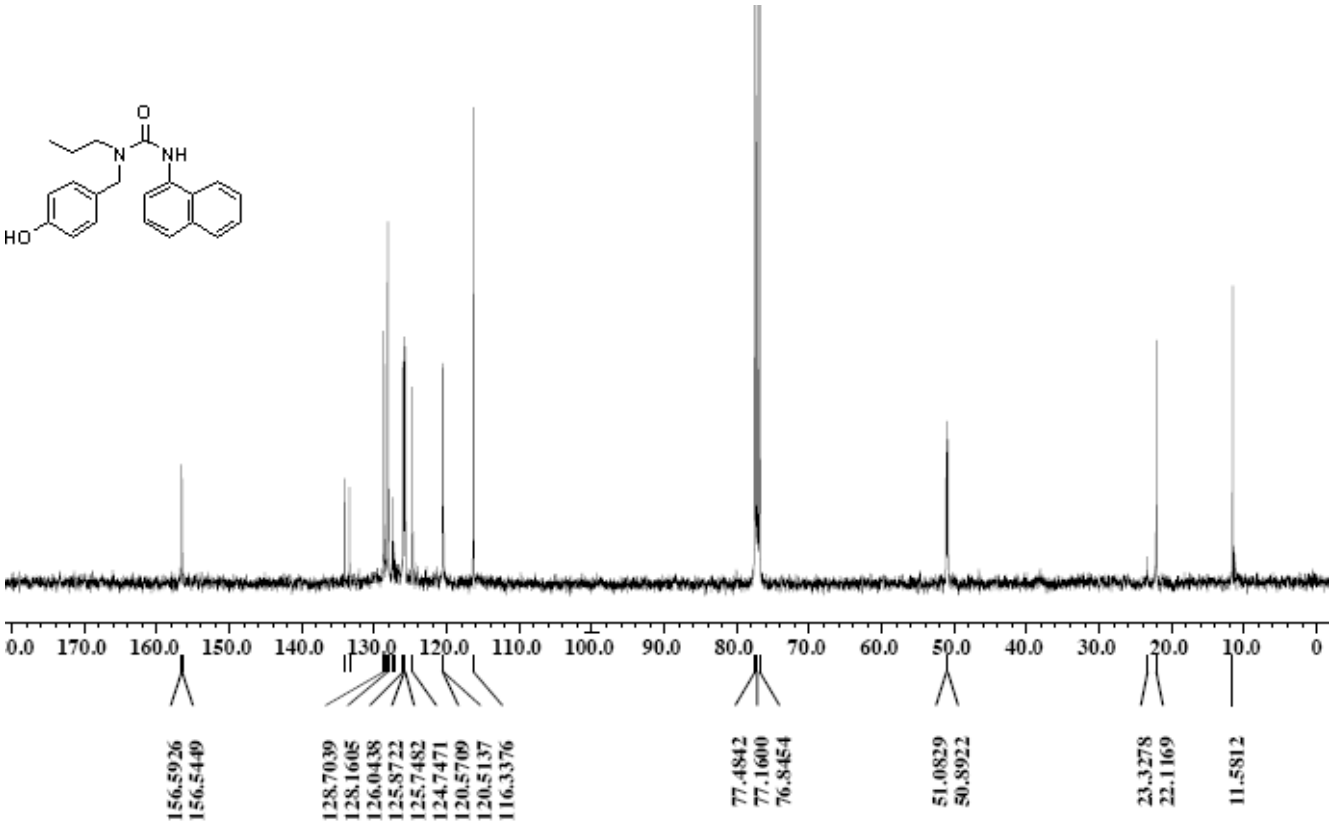

Figure S8. ^{13}C NMR spectra of compound **3**.

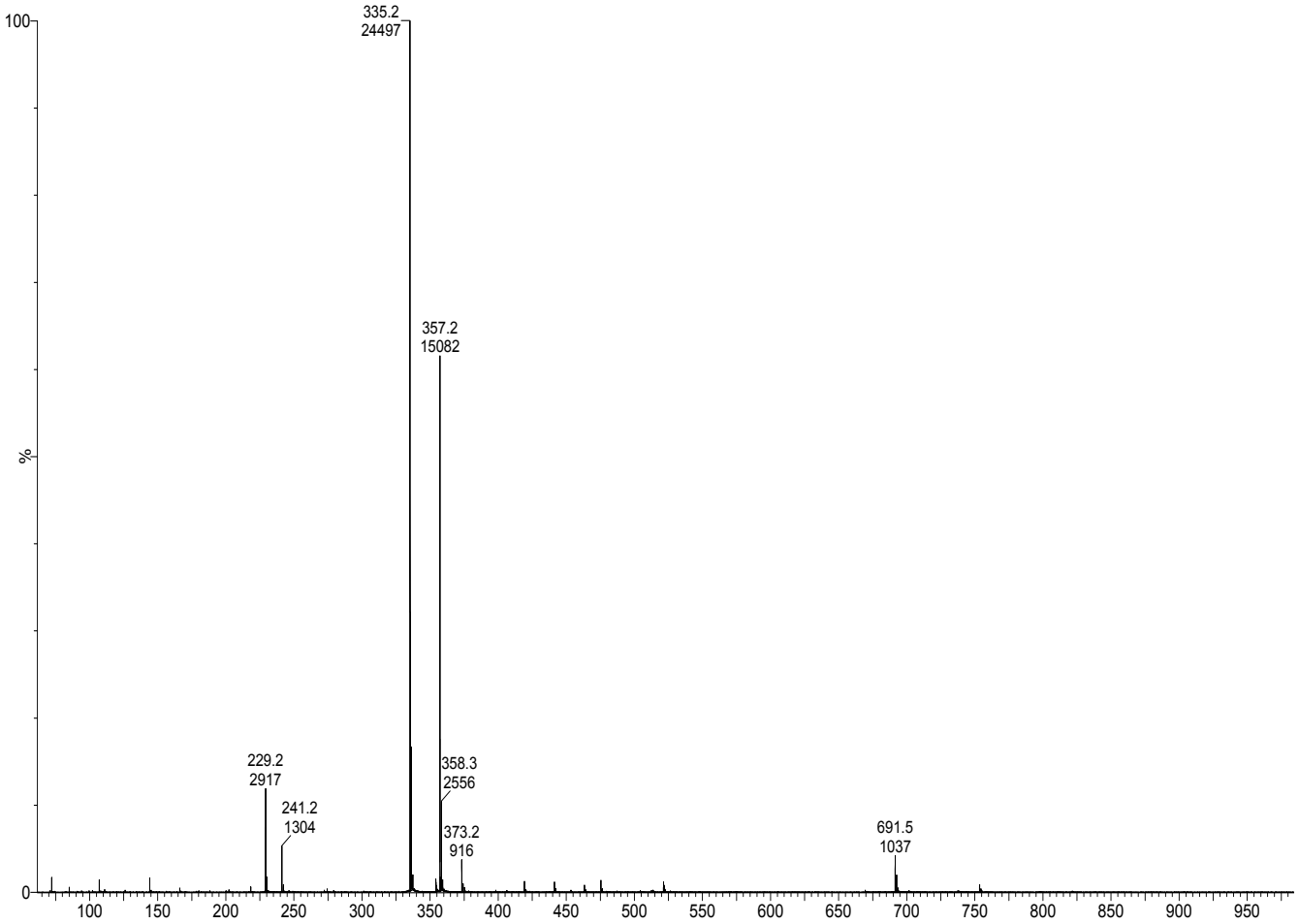

Figure S9. MASS spectra of compound **3**.

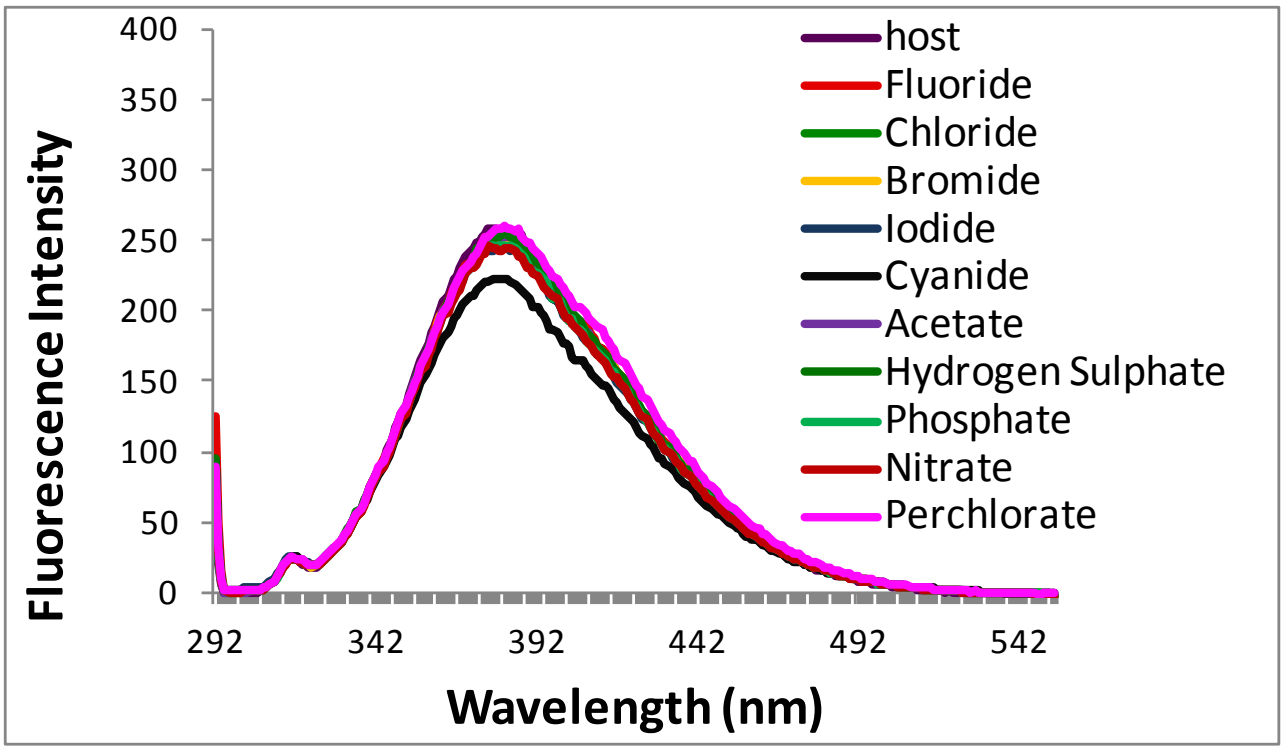

Figure S10. Anion binding studies for nano-aggregates of **1**.

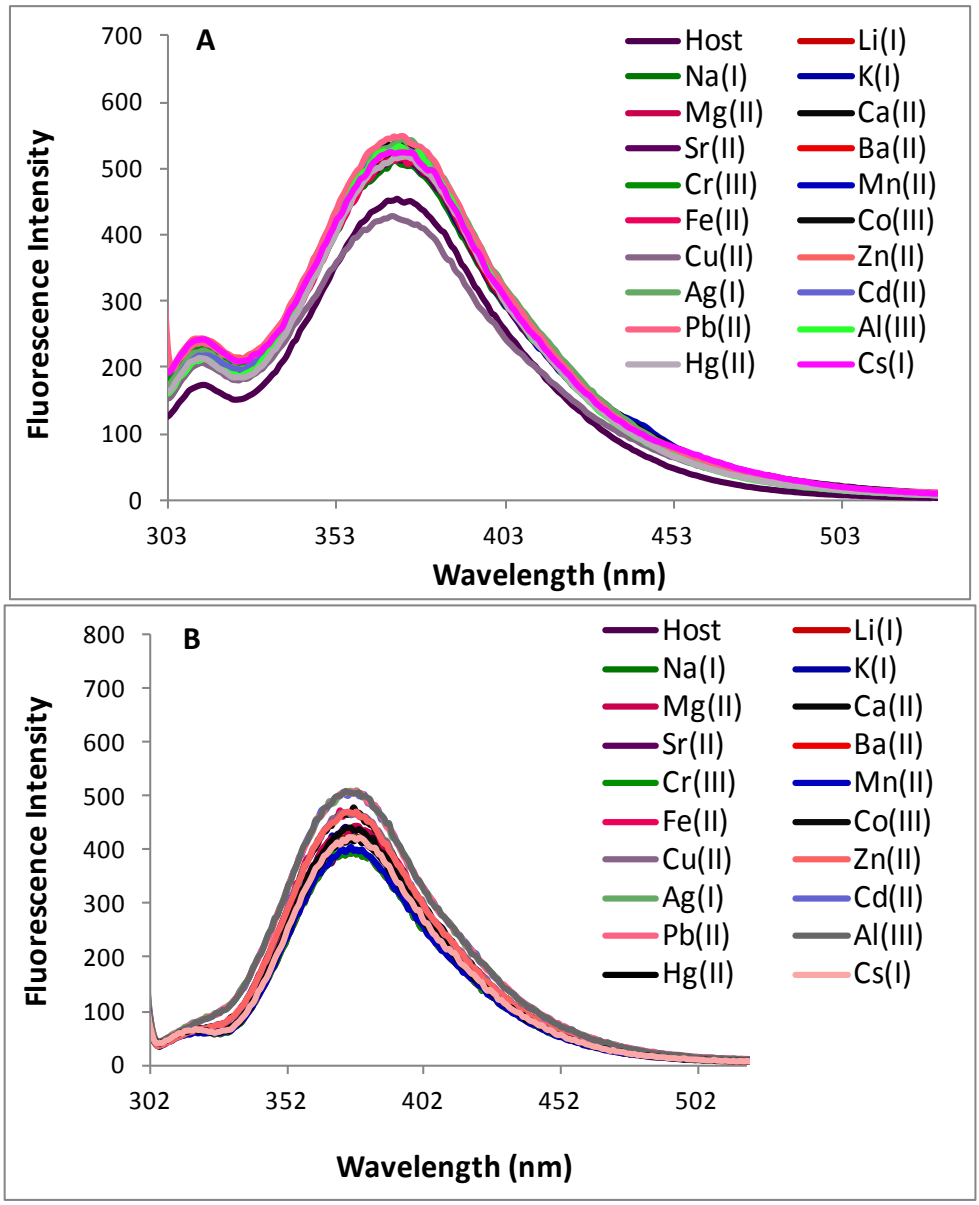

Figure S11. Recognition studies for (A) compound **2** (B) compound **3**.

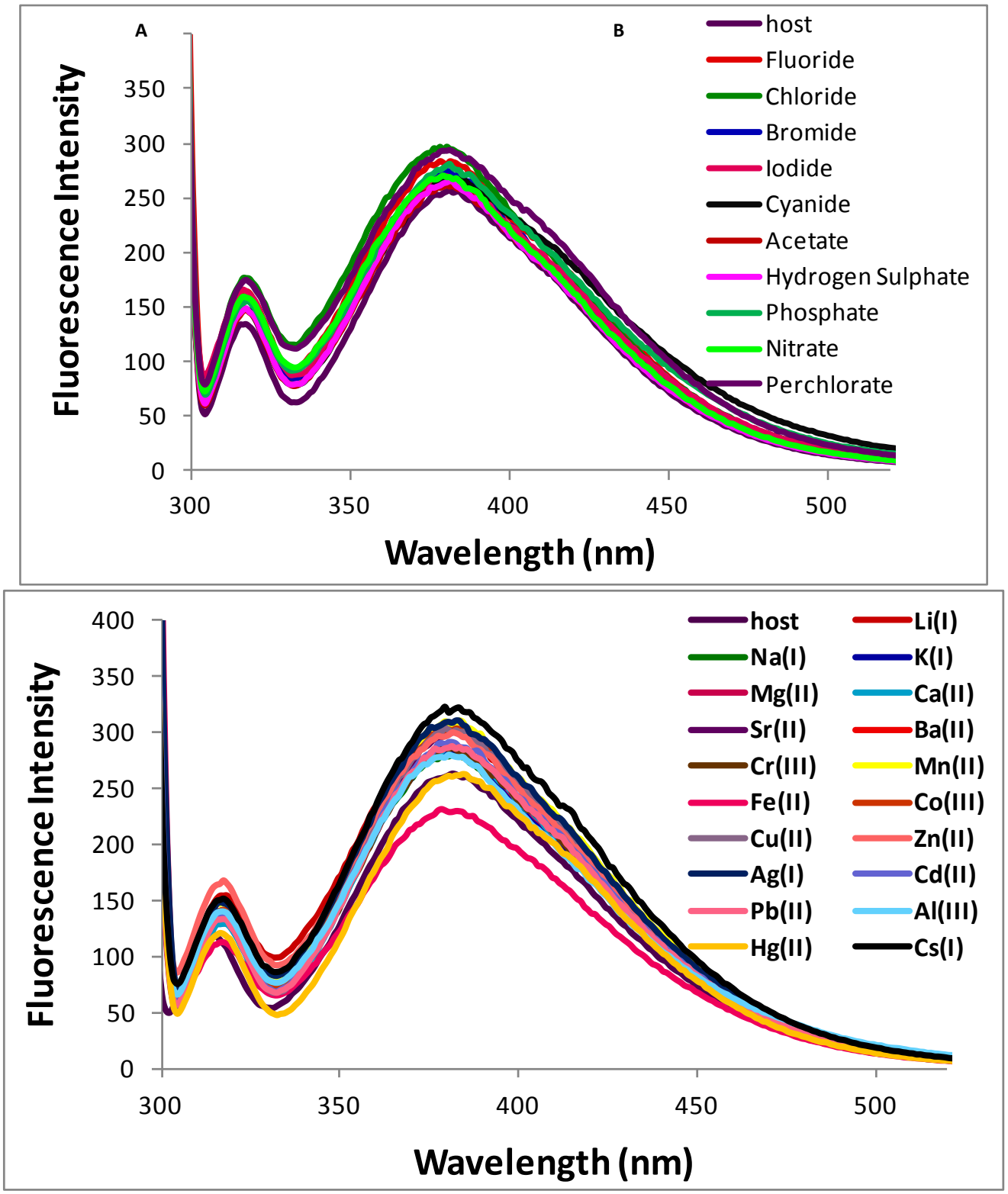

Figure S12. Fluorescence studies of ONPs compound **2** for (A) anion binding (B) cation binding.

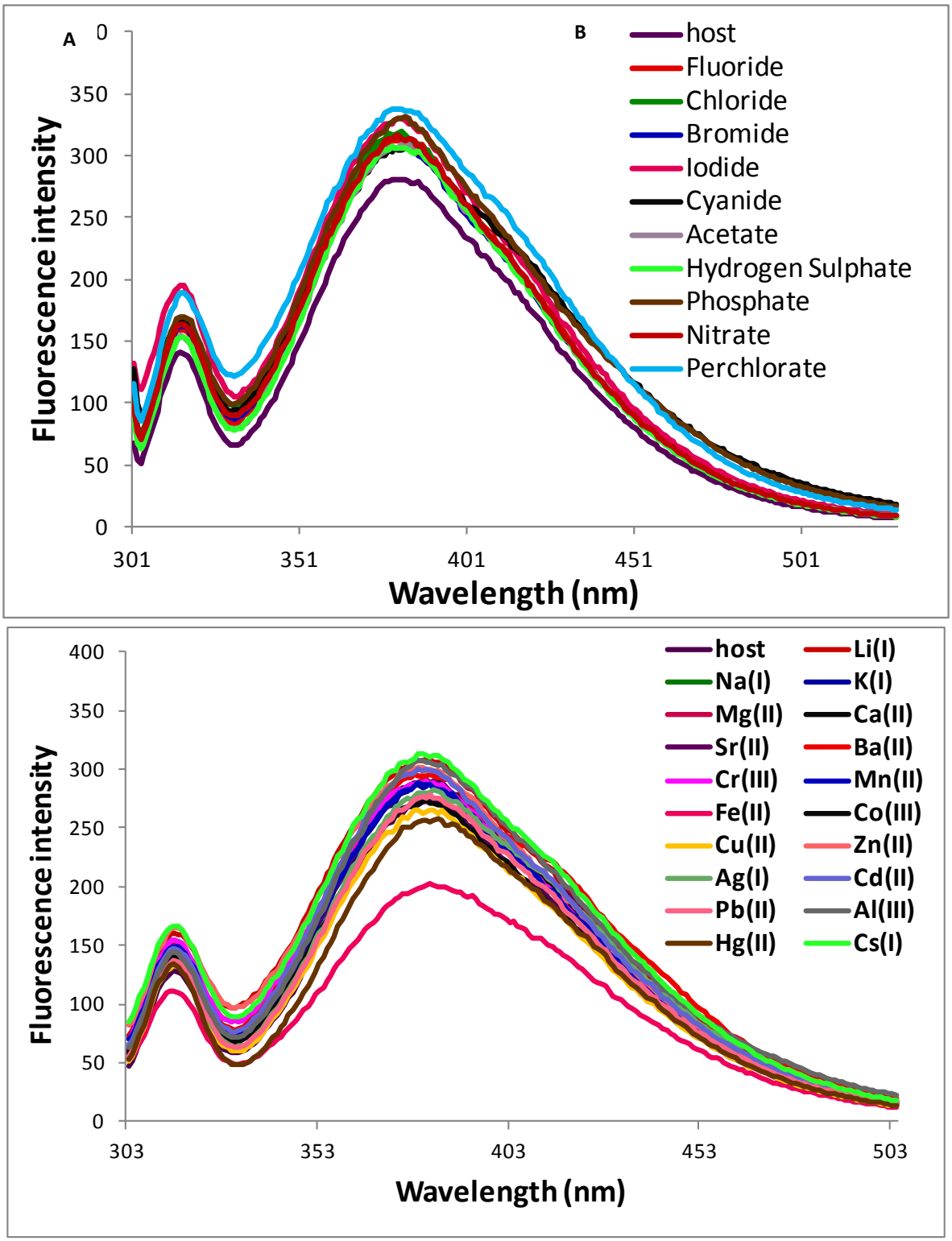

Figure S13. Fluorescence studies of ONPs compound **3** for (A) anion binding (B) cation binding.

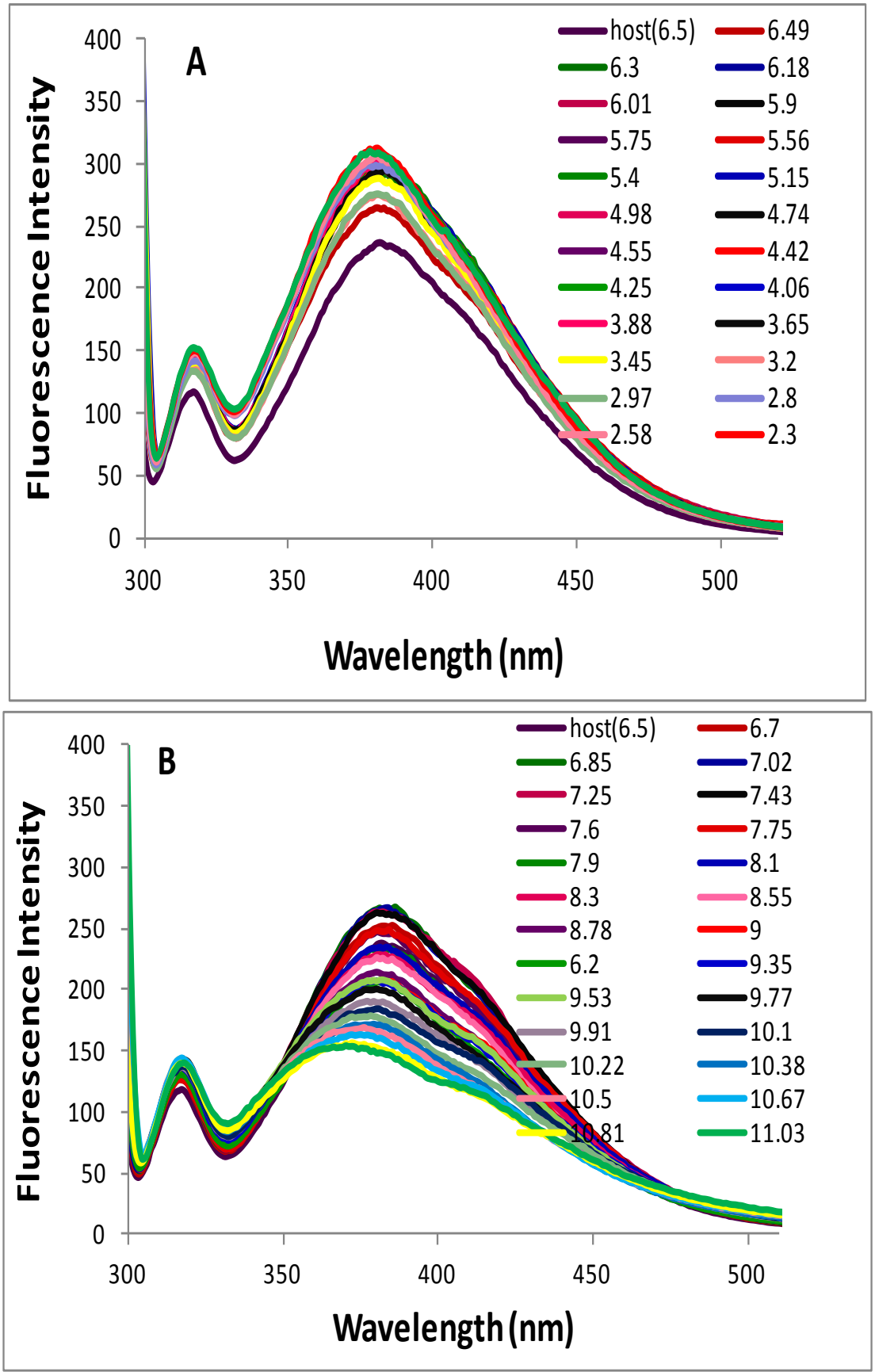

Figure S14. (A) Acidic pH studies for nano-aggregates of **1** (B) Basic pH studies for nano-aggregates of **1**

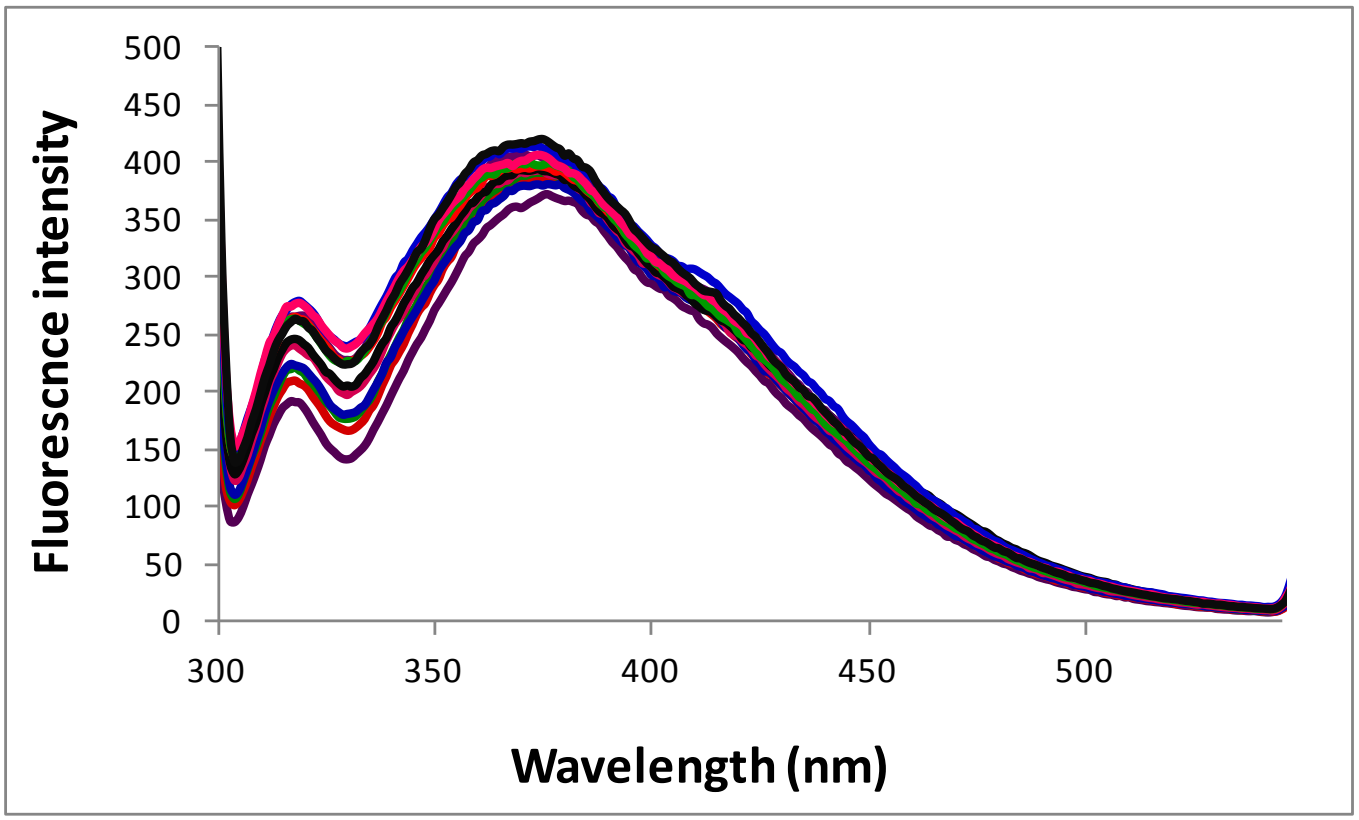

Figure S15. Salt effect studies for nano-aggregates of **1**.