

Supplementary Material

Syntheses, Structures, and Photoluminescence of 1-D Lanthanide Coordination Polymers

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ESI HR-MS spectrum of the complex 2:

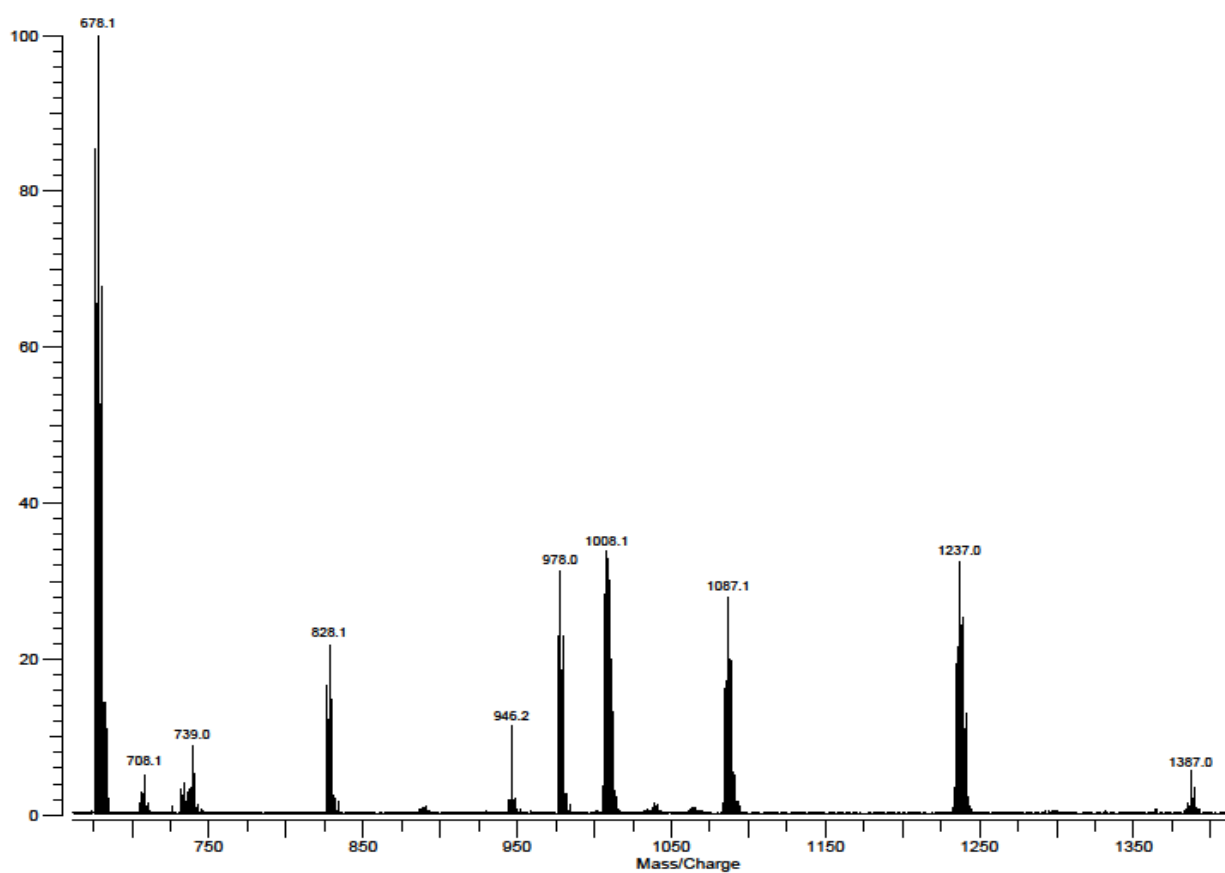


Figure 1. ESI HR-MS spectrum of 2

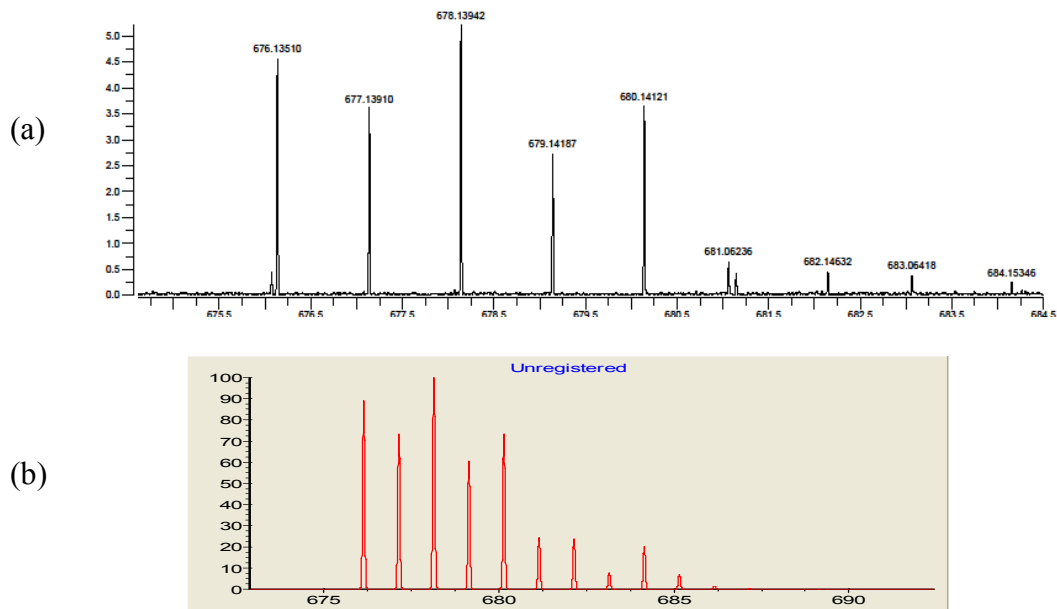
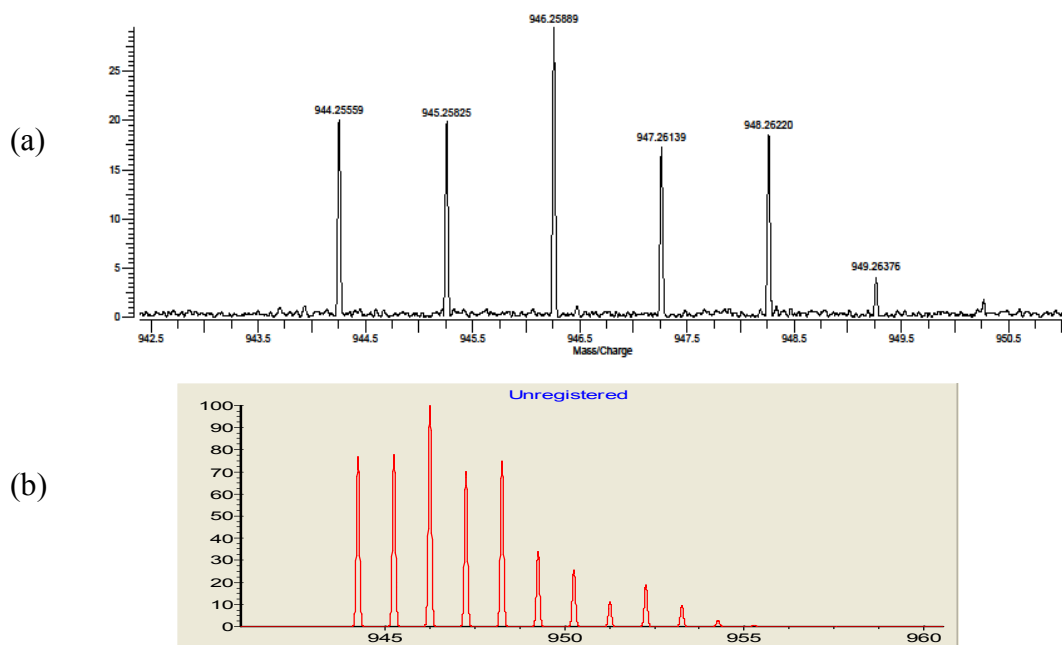


Figure 2. (a) Peaks for the species $[\text{Nd}(\text{HL})_2]^+$ ($\text{NdC}_{32}\text{H}_{30}\text{N}_4\text{O}_4$); (b) Theoretical isotope distribution pattern for $[\text{NdC}_{32}\text{H}_{30}\text{N}_4\text{O}_4]^+$



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Figure 3. (a) Peaks for the species $[\text{Nd}_2\text{L}_2(\text{H}_2\text{L})_4]^{2+}$ ($\text{Nd}_2\text{C}_96\text{H}_92\text{N}_{12}\text{O}_{12}$); (b) Theoretical isotope distribution pattern for $[\text{Nd}_2\text{C}_96\text{H}_92\text{N}_{12}\text{O}_{12}]^{2+}$

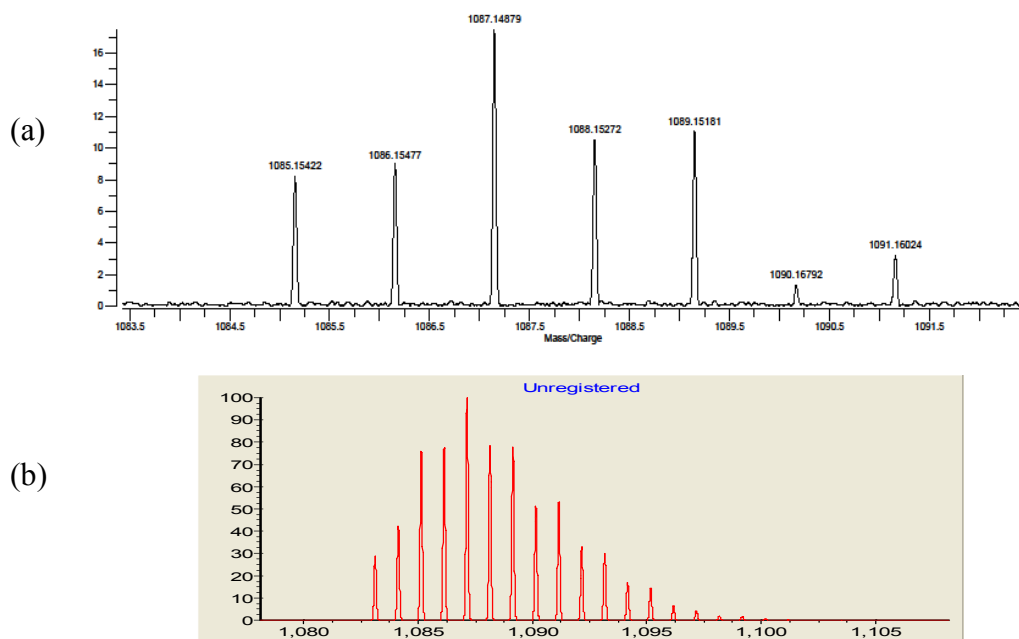


Figure 4. (a) Peaks for the species $[\text{Nd}_2\text{L}_2(\text{HL})]^+$ ($\text{Nd}_2\text{C}_{48}\text{H}_{43}\text{N}_6\text{O}_6$); (b) Theoretical isotope distribution pattern for $[\text{Nd}_2\text{C}_{48}\text{H}_{43}\text{N}_6\text{O}_6]^+$

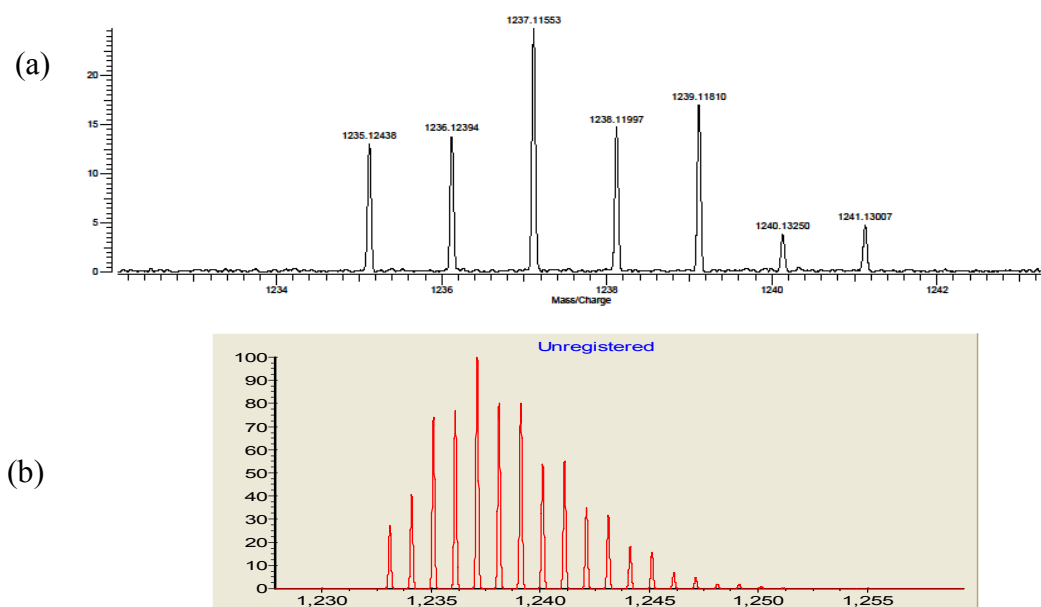


Figure 5. (a) Peaks for the species $[\text{Nd}_2\text{L}_2(\text{H}_2\text{L})(\text{CF}_3\text{SO}_3)]^+$ ($\text{Nd}_2\text{C}_{49}\text{H}_{44}\text{N}_6\text{O}_9\text{F}_3\text{S}$); (b) Theoretical isotope distribution pattern for $[\text{Nd}_2\text{C}_{49}\text{H}_{44}\text{N}_6\text{O}_9\text{F}_3\text{S}]^+$