

Supporting Information

Luminescent lanthanide metal-organic frameworks for chemical sensing and toxic anion detection

*Rui-Zhi Wu, Xing Yang, Liang-Wei Zhang, Pan-Pan Zhou**

State Key Laboratory of Applied Organic Chemistry, Key Laboratory of Nonferrous Metal Chemistry and Resources Utilization of Gansu Province, College of Chemistry and Chemical Engineering, Lanzhou University, 222 South Tianshui Road, 730000, Lanzhou, P. R. China.

*Fax: +86-931-8912582; Tel: +86 931 8912862; *E-mail: zhoupp@lzu.edu.cn*

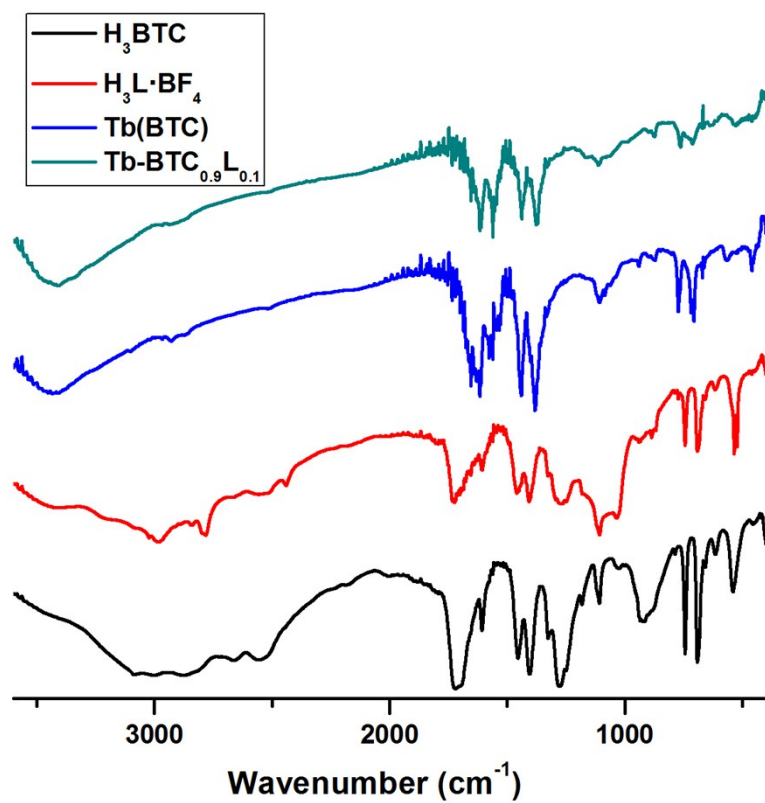


Fig. S1 FT-IR spectra of H₃BTC, H₃L·BF₄, Tb(BTC) and Tb-BTC_{0.9}L_{0.1}.

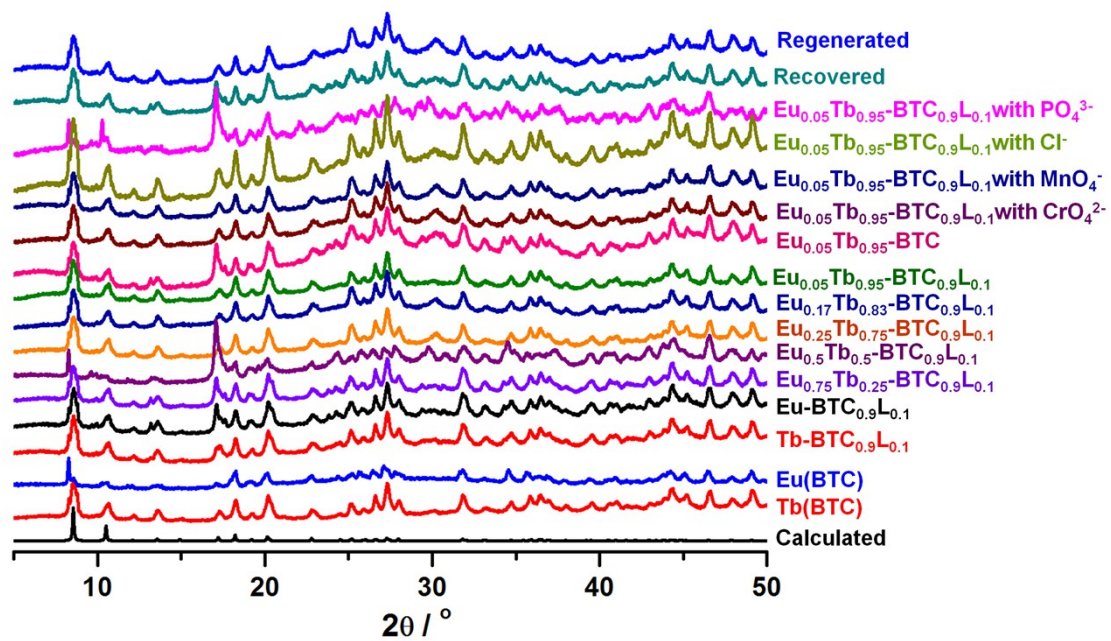


Fig. S2 PXRD patterns for Ln(BTC) and $\text{Eu}_x\text{Tb}_{1-x}\text{-BTC}_{0.9}\text{L}_{0.1}$ ($x=0, 0.05, 0.17, 0.25, 0.5, 0.75, 1$).