Supporting Information

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

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Fig. S1 FT-IR spectra of H$_3$BTC, H$_3$L·BF$_4$, Tb(BTC) and Tb-BTC$_{0.9}$L$_{0.1}$.
Fig. S2 PXRD patterns for Ln(BTC) and Eu$_x$Tb$_{1-x}$-BTC0.9L0.1 ($x=0, 0.05, 0.17, 0.25, 0.5, 0.75, 1$).