

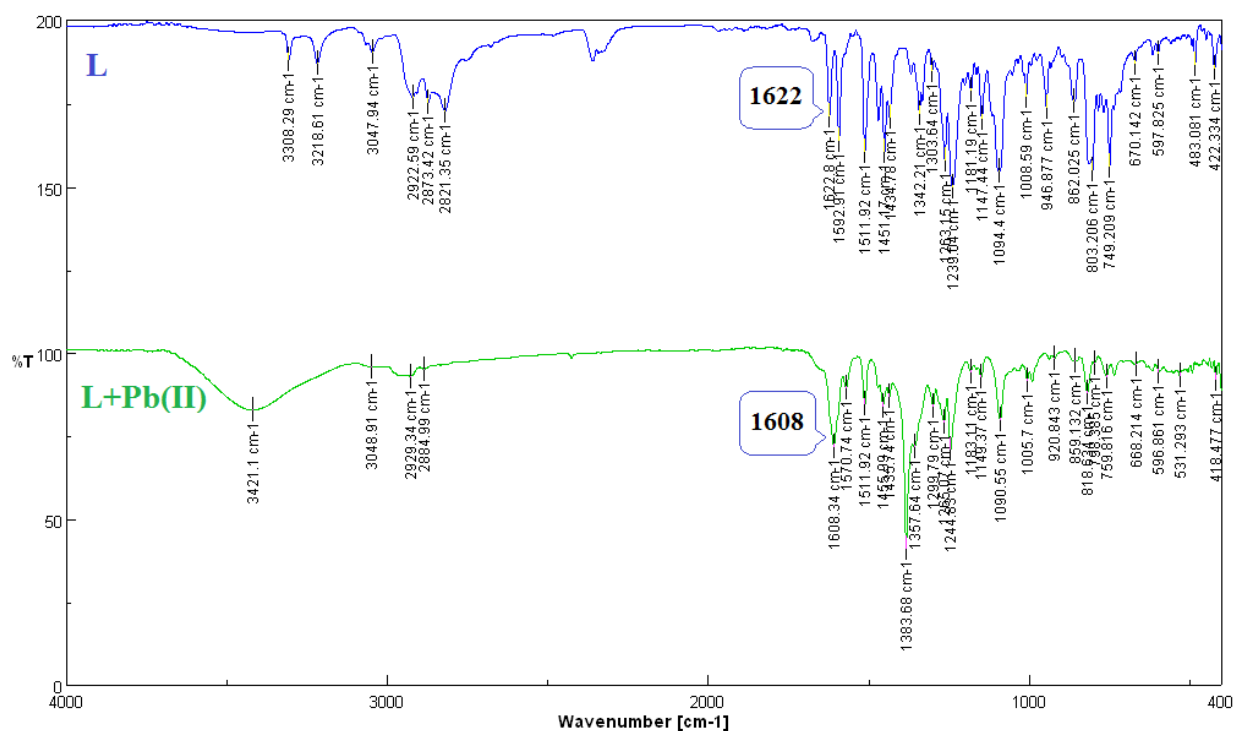
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Electronic supplementary information (ESI)

A new macrocyclic ligand as a turn-on fluorescent chemosensor for the  
recognition of  $\text{Pb}^{2+}$  ions

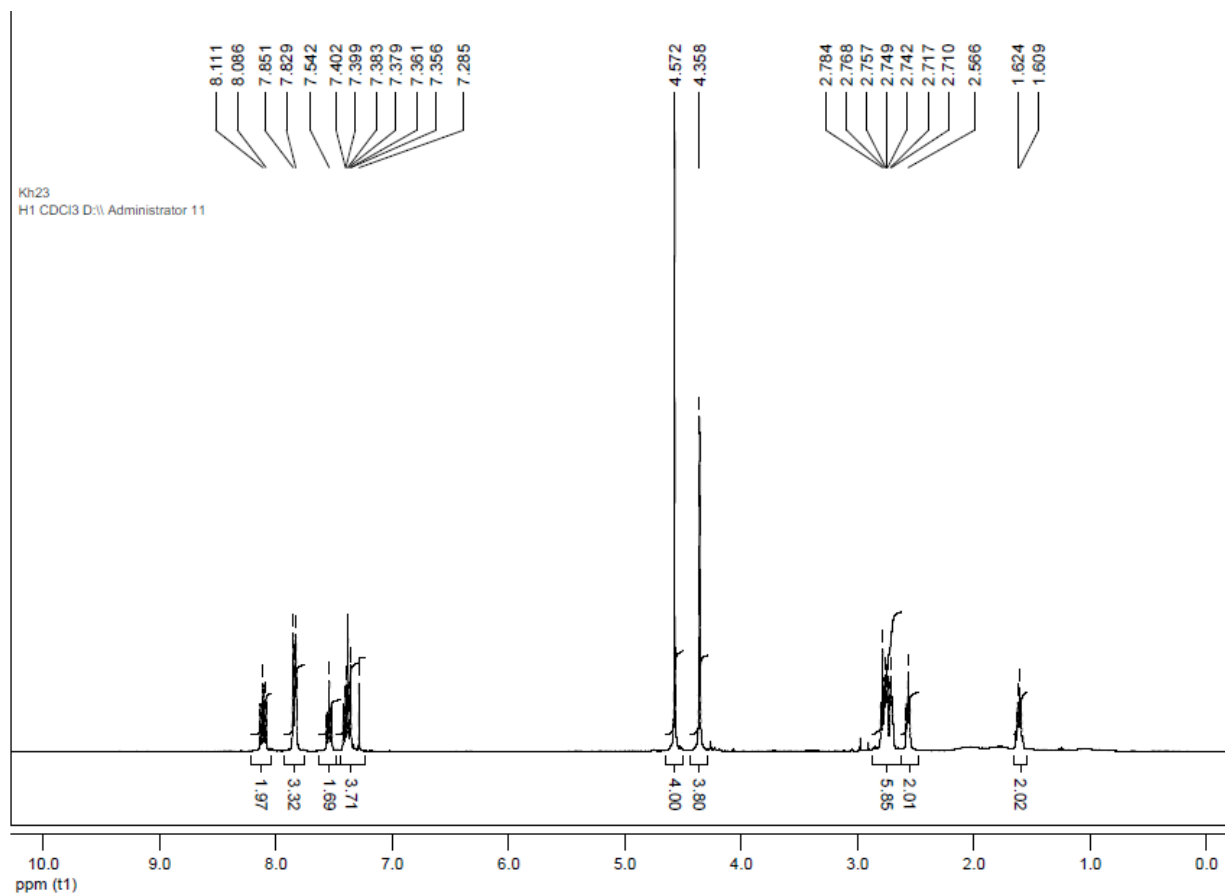
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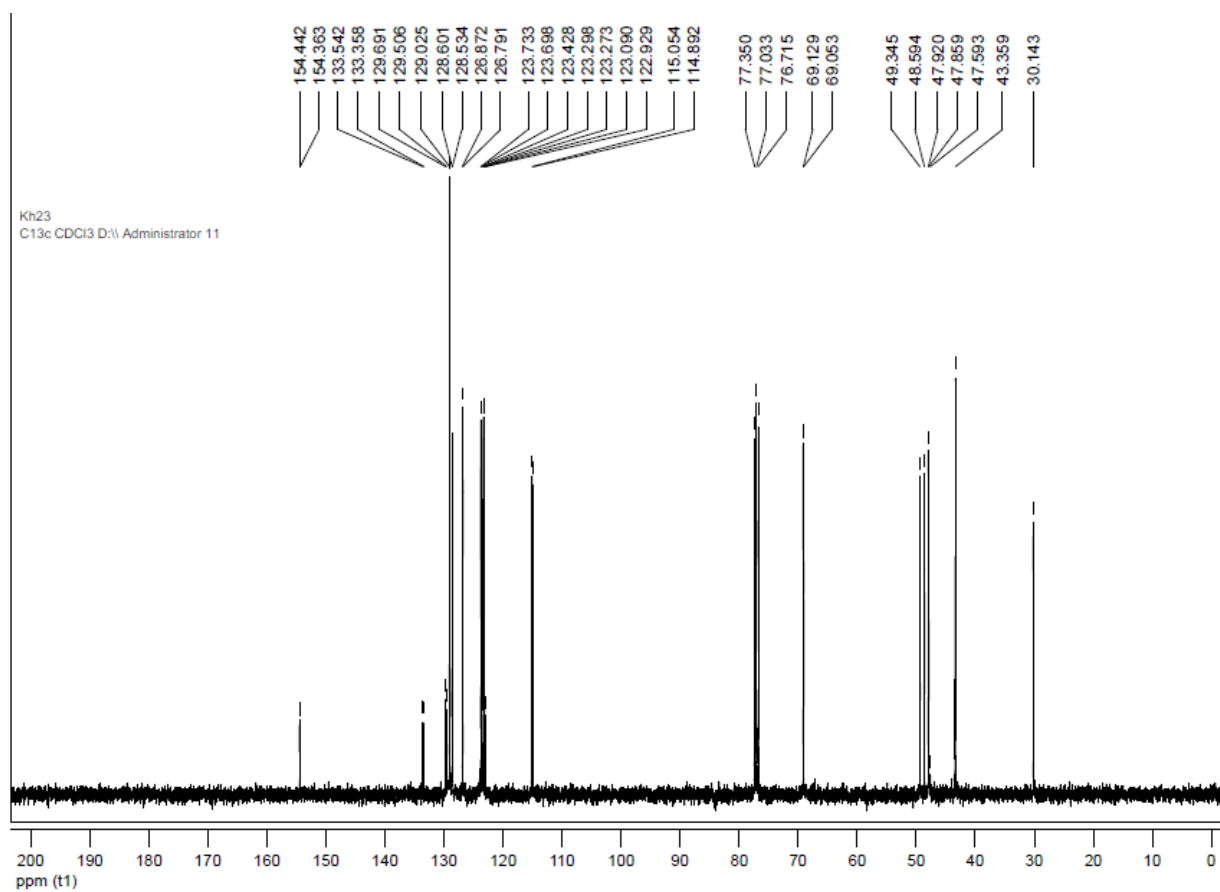
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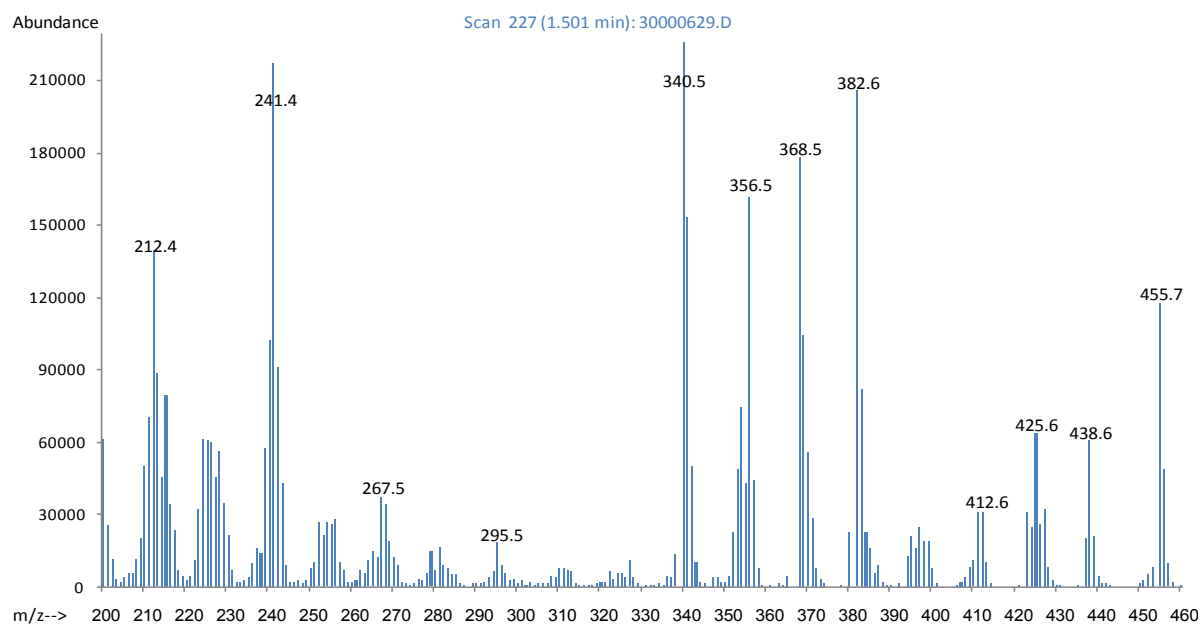
S1. FT IR spectrum of L and  $[\text{PbL}](\text{NO}_3)_2$



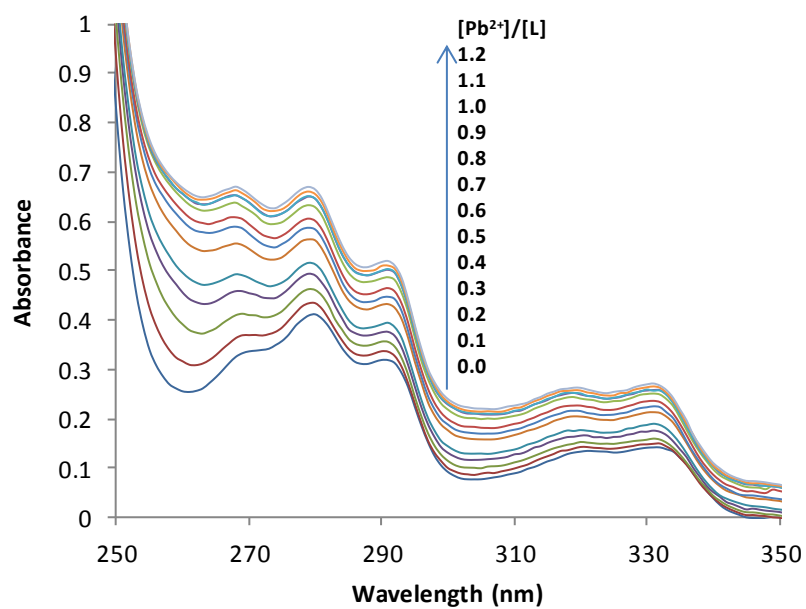
S2.  $^1\text{H}$ NMR spectrum of L



S3.  $^{13}\text{C}$ NMR spectrum of L



S4. Mass spectrum of L



S5. Changes in the absorption spectra of L (10 μM) as a function of added Pb<sup>2+</sup> concentration in acetonitrile/H<sub>2</sub>O (9:1, v/v).