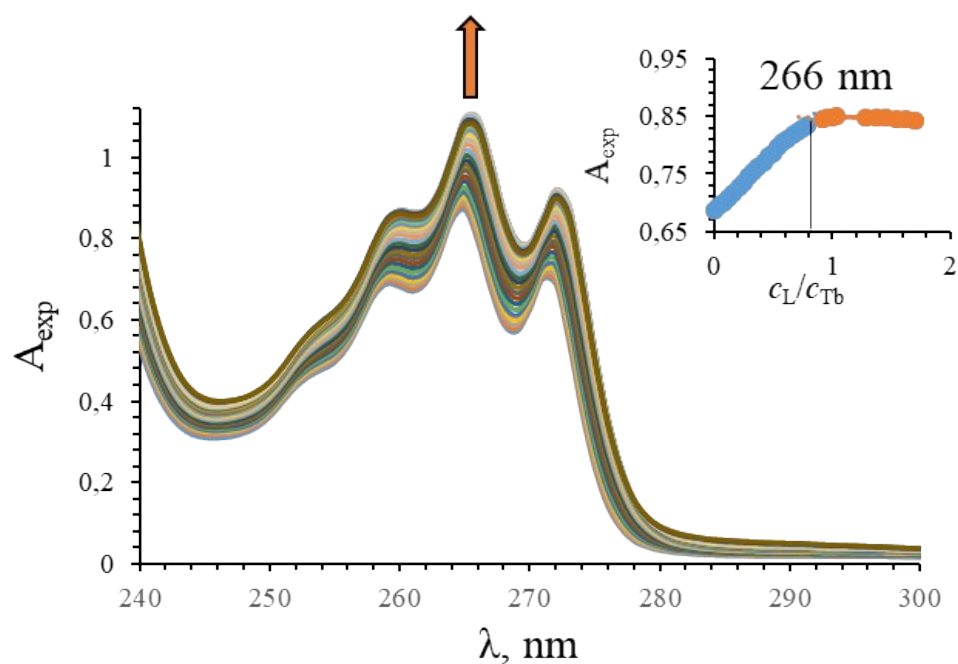
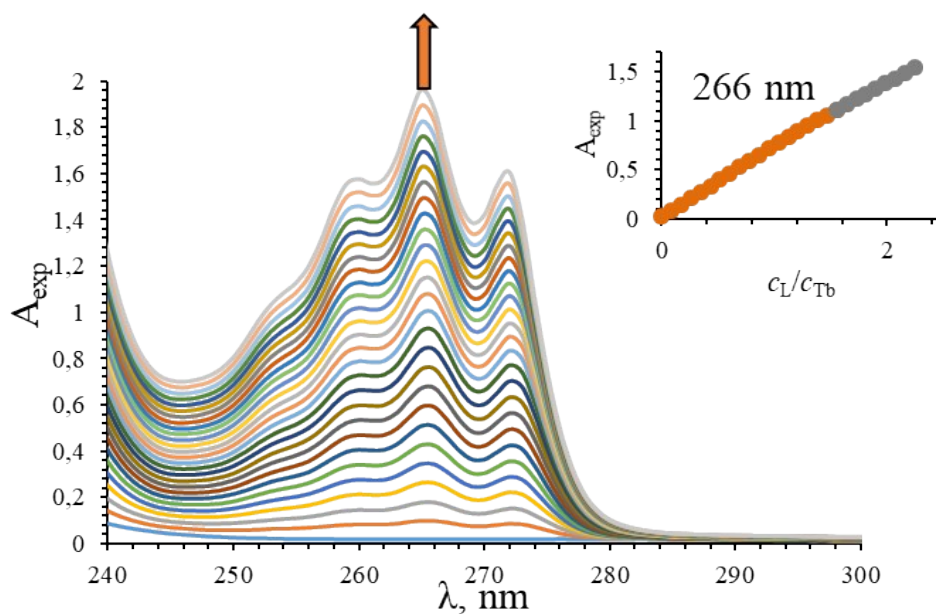


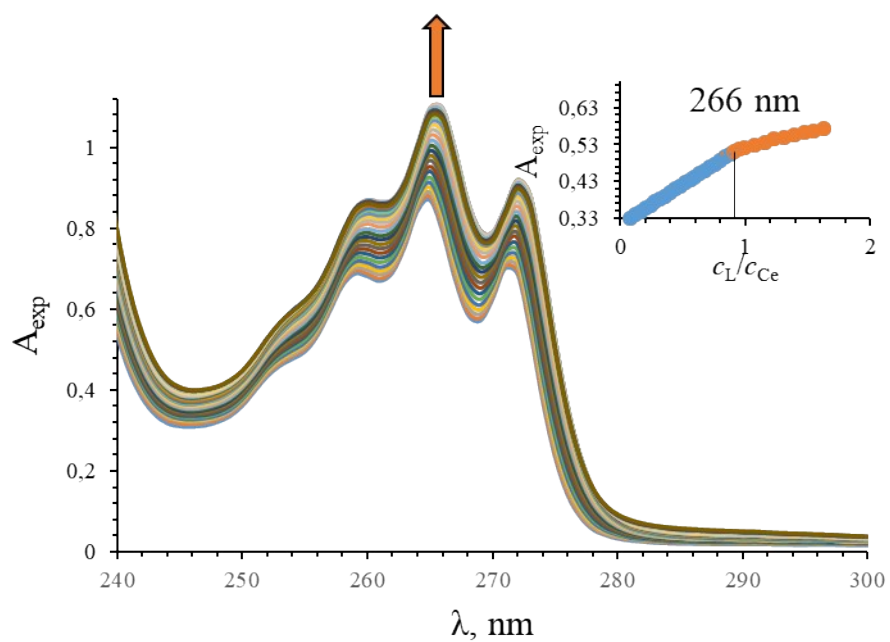
## FIGURES FROM THE SUPPLEMENTARY MATERIALS



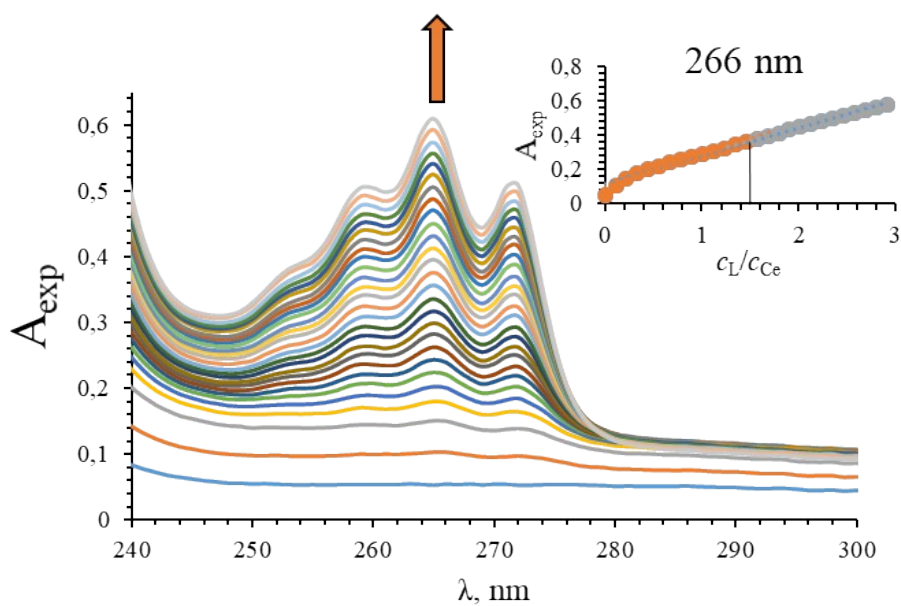
**Fig. S1** Electronic absorption spectra upon titration of L with terbium nitrate,  $c_L = 2.96 \cdot 10^{-4}$  mol/L (acetonitrile solutions)



**Fig. S2** Electronic absorption spectra upon titration of terbium nitrate with L,  $c_{\text{Tb}} = 2.5 \cdot 10^{-4}$  mol/L (acetonitrile solutions)



**Fig. S3** Electronic absorption spectra upon titration of L with cerium nitrate,  $c_L = 1.59 \cdot 10^{-4}$  mol/L (acetonitrile solutions)



**Fig. S4** Electronic absorption spectra upon titration of cerium nitrate with L,  $c_{\text{Ce}} = 6.30 \cdot 10^{-5}$  mol/L (acetonitrile solutions)