



Figure S2. Titration curves for the  $\text{H}^+ - \gamma\text{-abha}^-$  (A) and the  $[(\eta^5\text{-Cp}^*)\text{Rh}(\text{H}_2\text{O})_3]^{2+} - \gamma\text{-abha}^-$  systems at 1:2 (B), 1:1 (C) and 2:1 (D) metal ion to ligand ratios,  $c_{\text{lig.}} = 2 \text{ mM}$ ,  $I = 0.20 \text{ M}$  ( $\text{KNO}_3$ ). Negative base equivalent refers to an excess of acid in the sample.