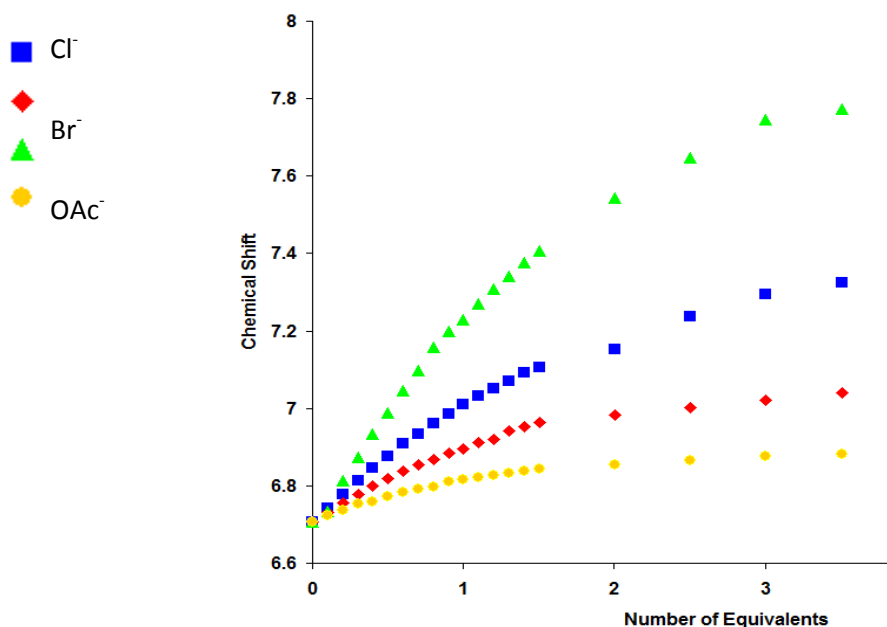


Anion Receptor Coordination Tripods Capped by [9]aneS₃

Adam M. Todd, Adam N. Swinburne, Andrés E. Goeta and Jonathan W. Steed*

Supplementary Information

(a)



(b)

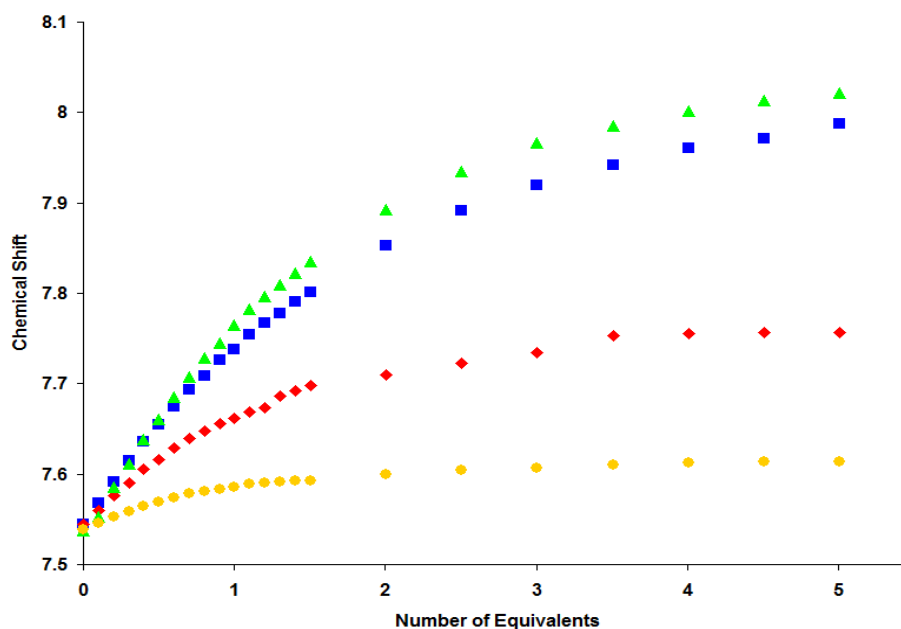


Figure S1 Chemical shift changes of (a) amine N-H and (b) pyridyl C-H protons of **2** with a variety of anions.

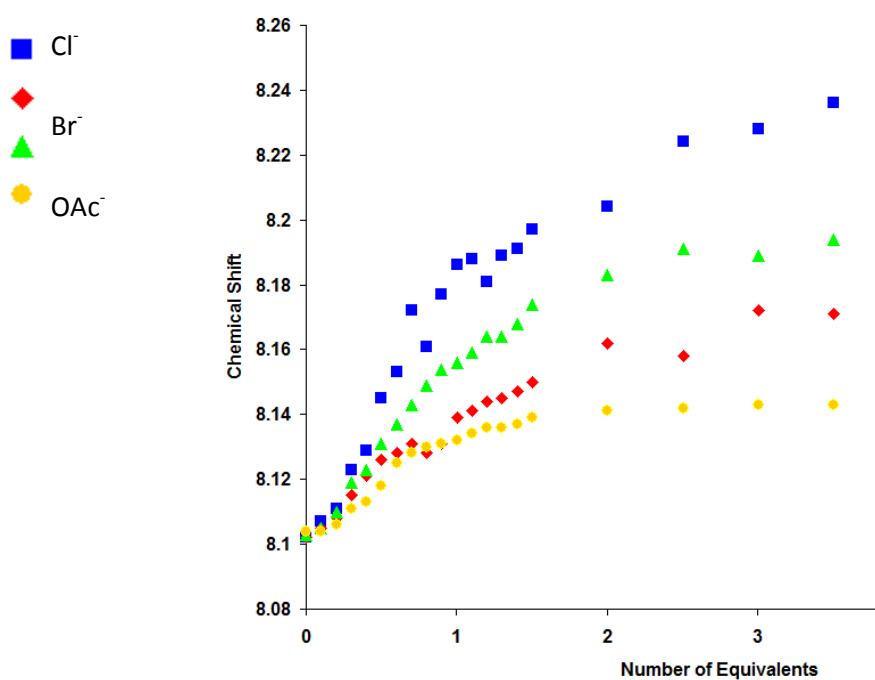


Figure S2 Chemical shift changes of pyridyl CH resonances of **3** with a variety of anions.

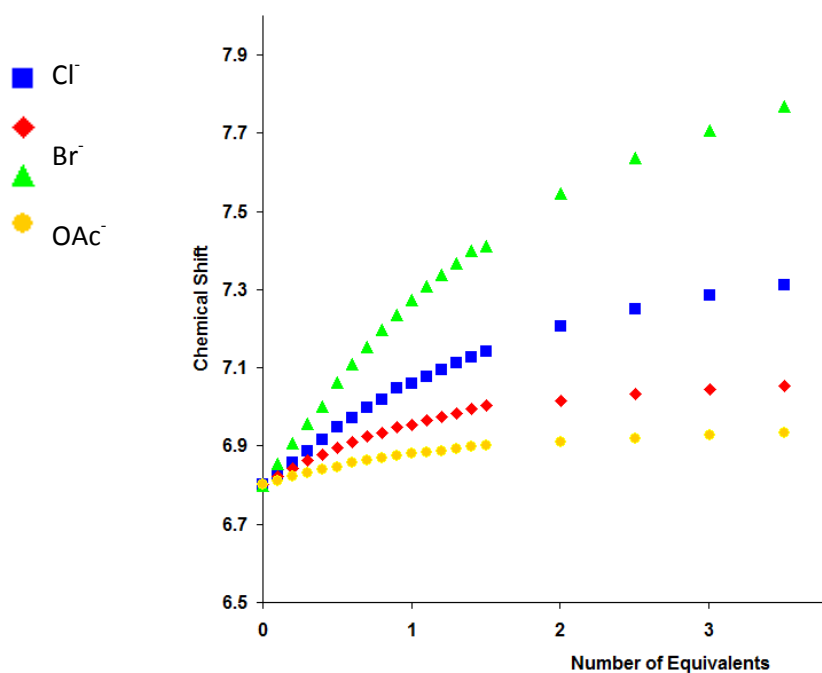


Figure S3 Chemical shift changes of amine NH resonances of **4** with a variety of anions.

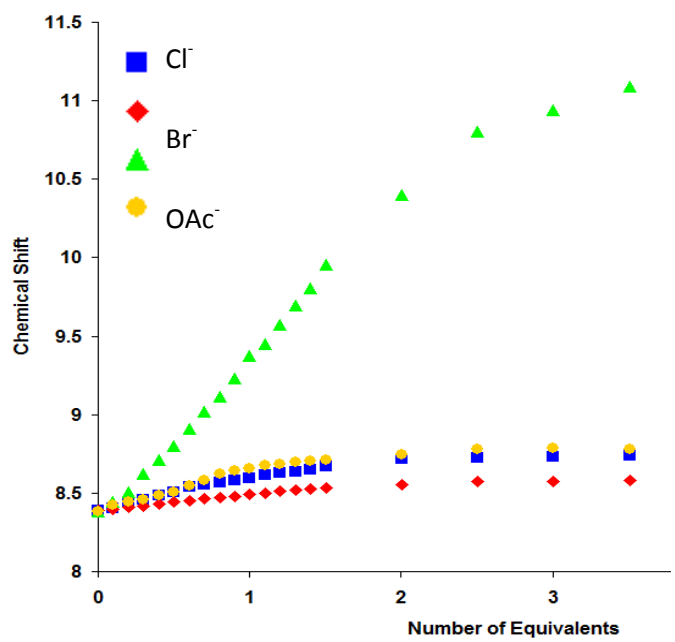


Figure S4. Chemical shift changes of urea NH resonance of **5** at *ca.* 8.5 ppm with a variety of anions.

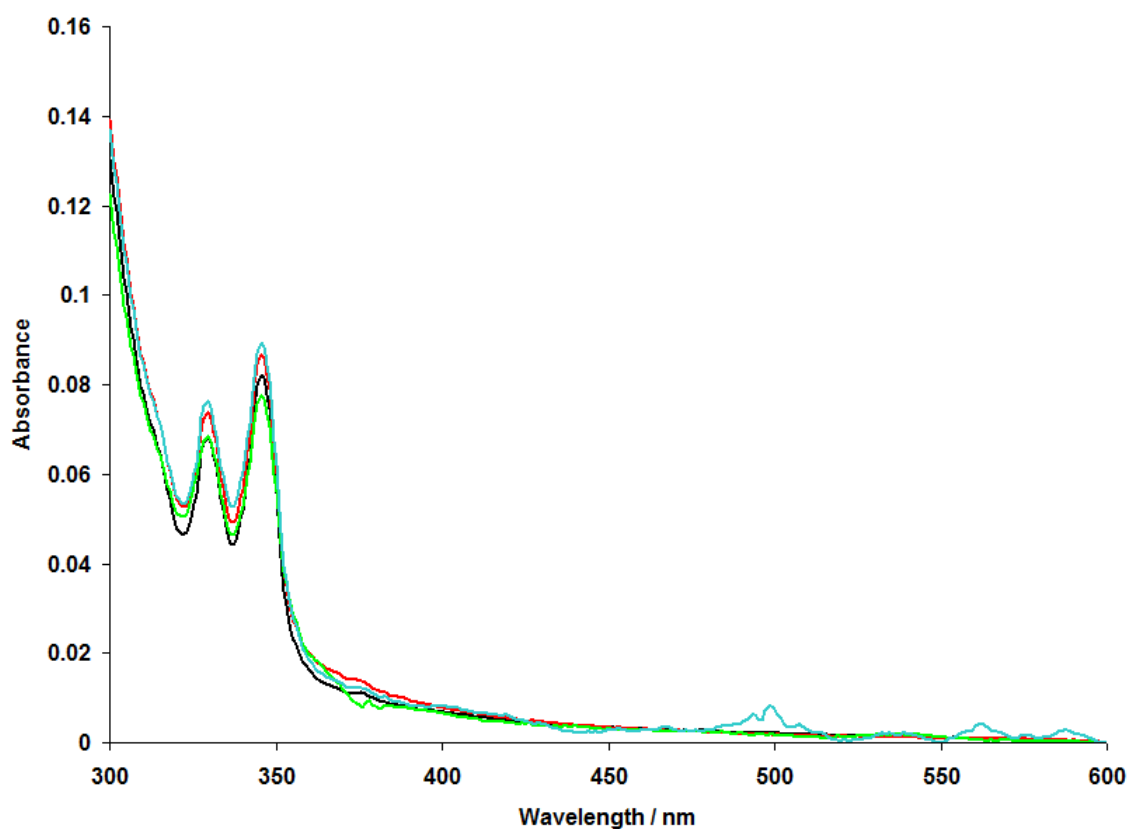
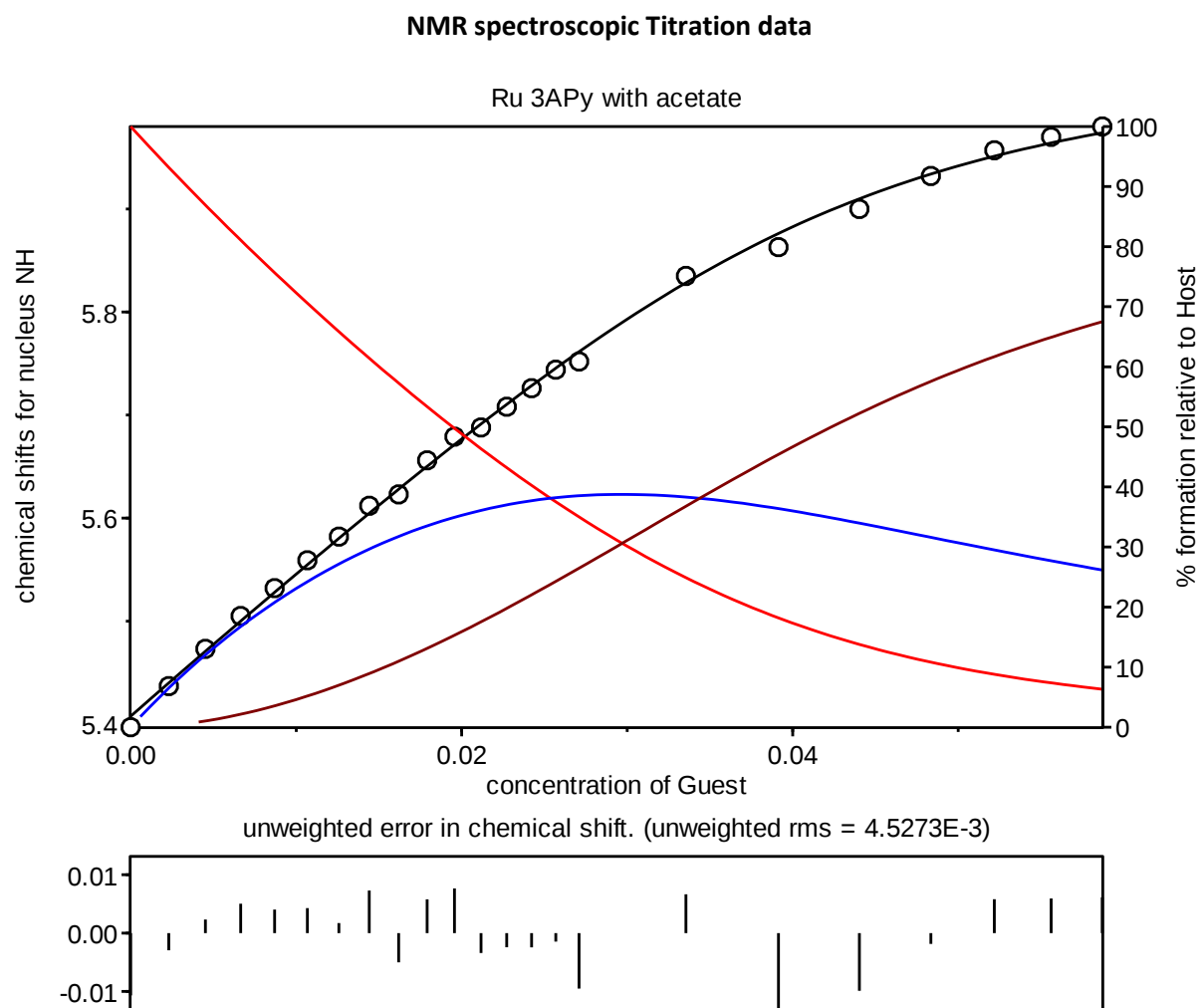
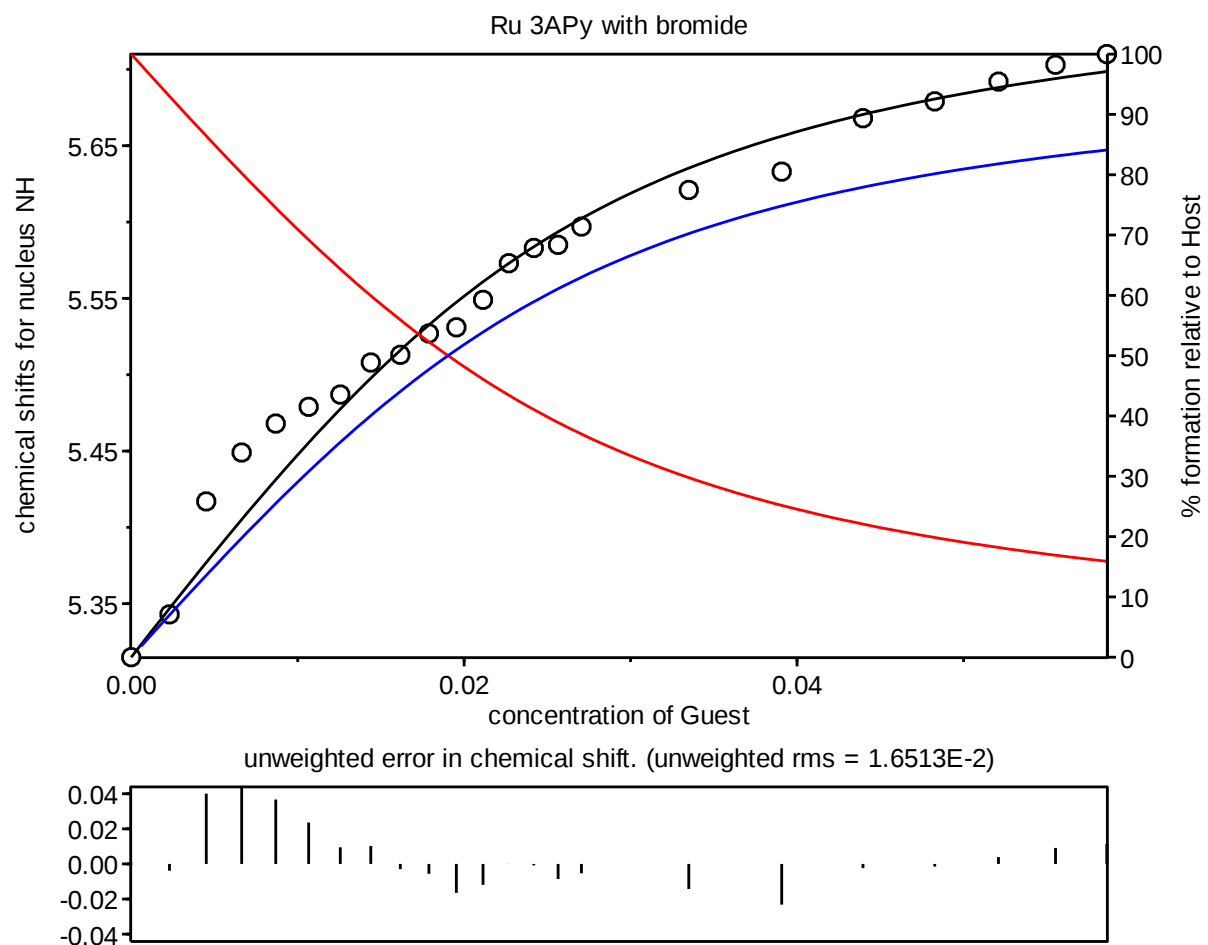


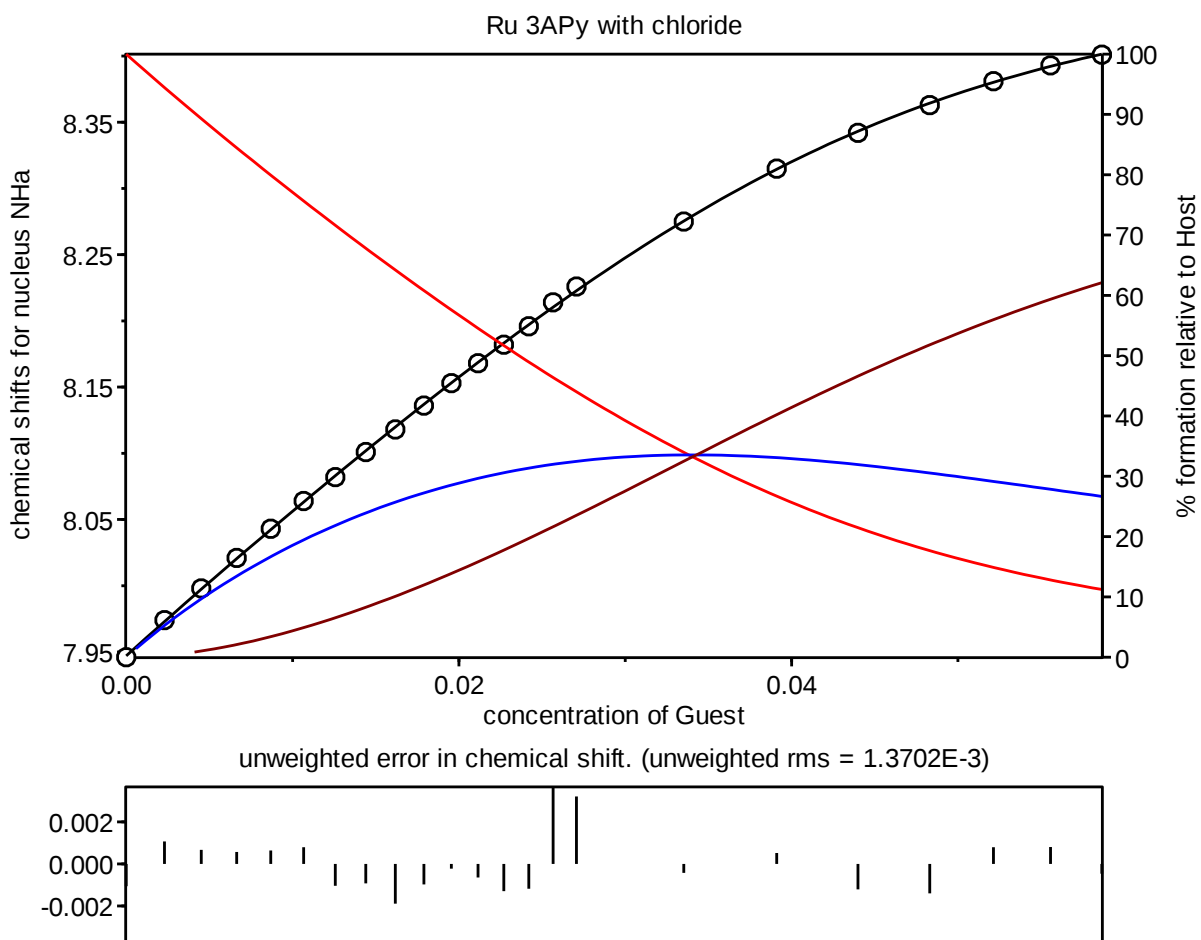
Figure S5 UV/Visible absorbance profiles of **4** as the PF₆ salt (black), and with addition of 500 equivalents of chloride (green), acetate (blue) and bromide (red) at a concentration of 4×10^{-6} mol dm⁻³ in 30% DMSO in CHCl₃. Anions are added as TBA salts.



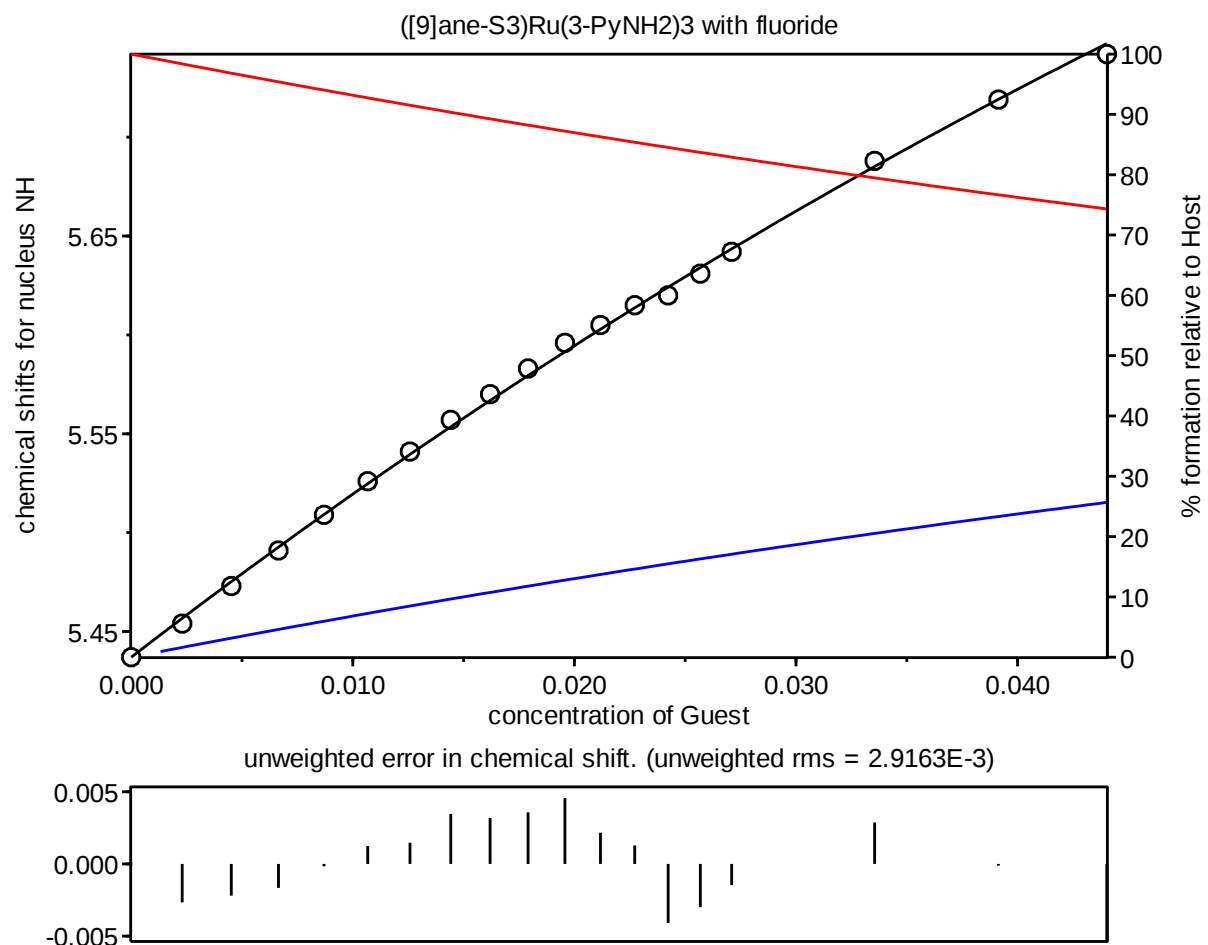
Compound **1** with acetate



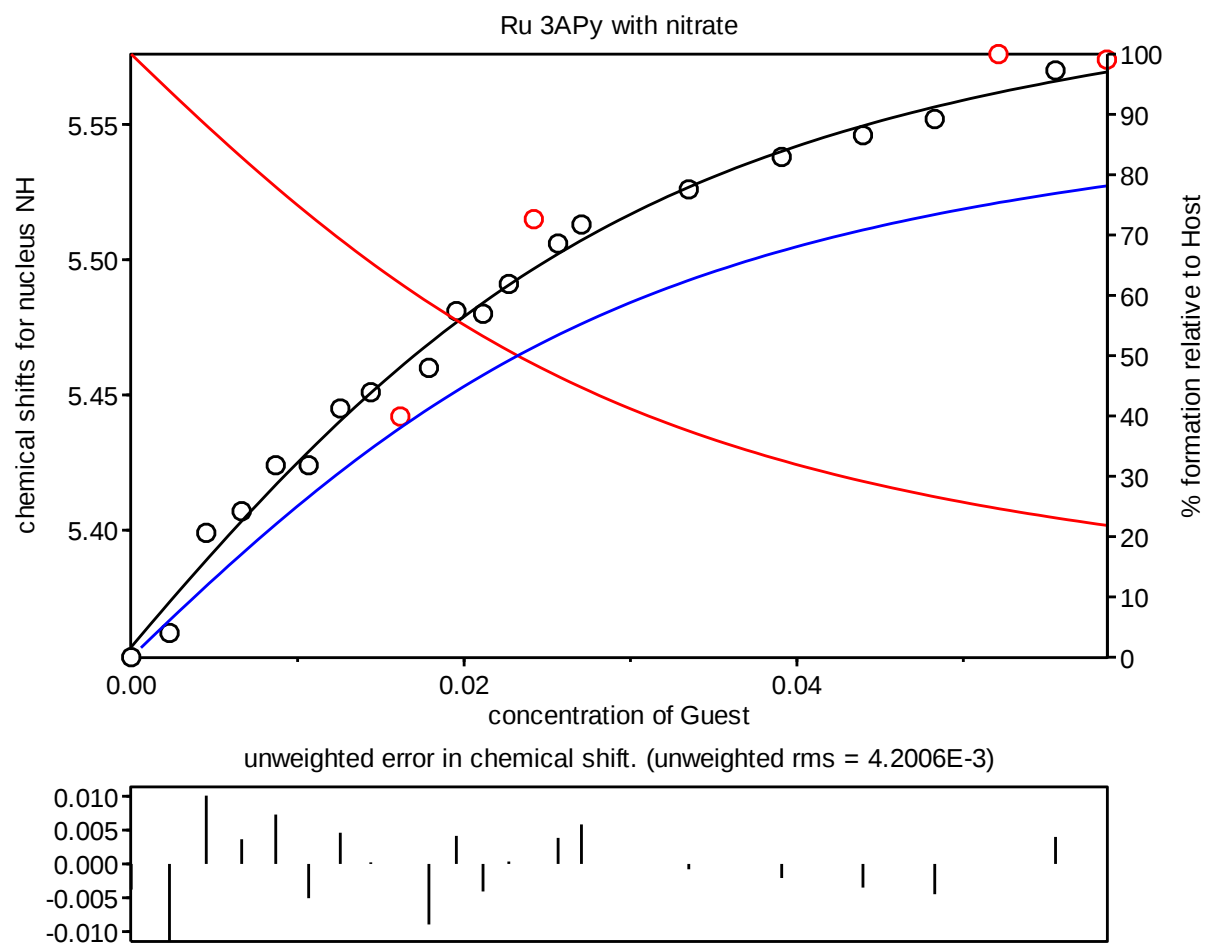
Compound **1** with bromide



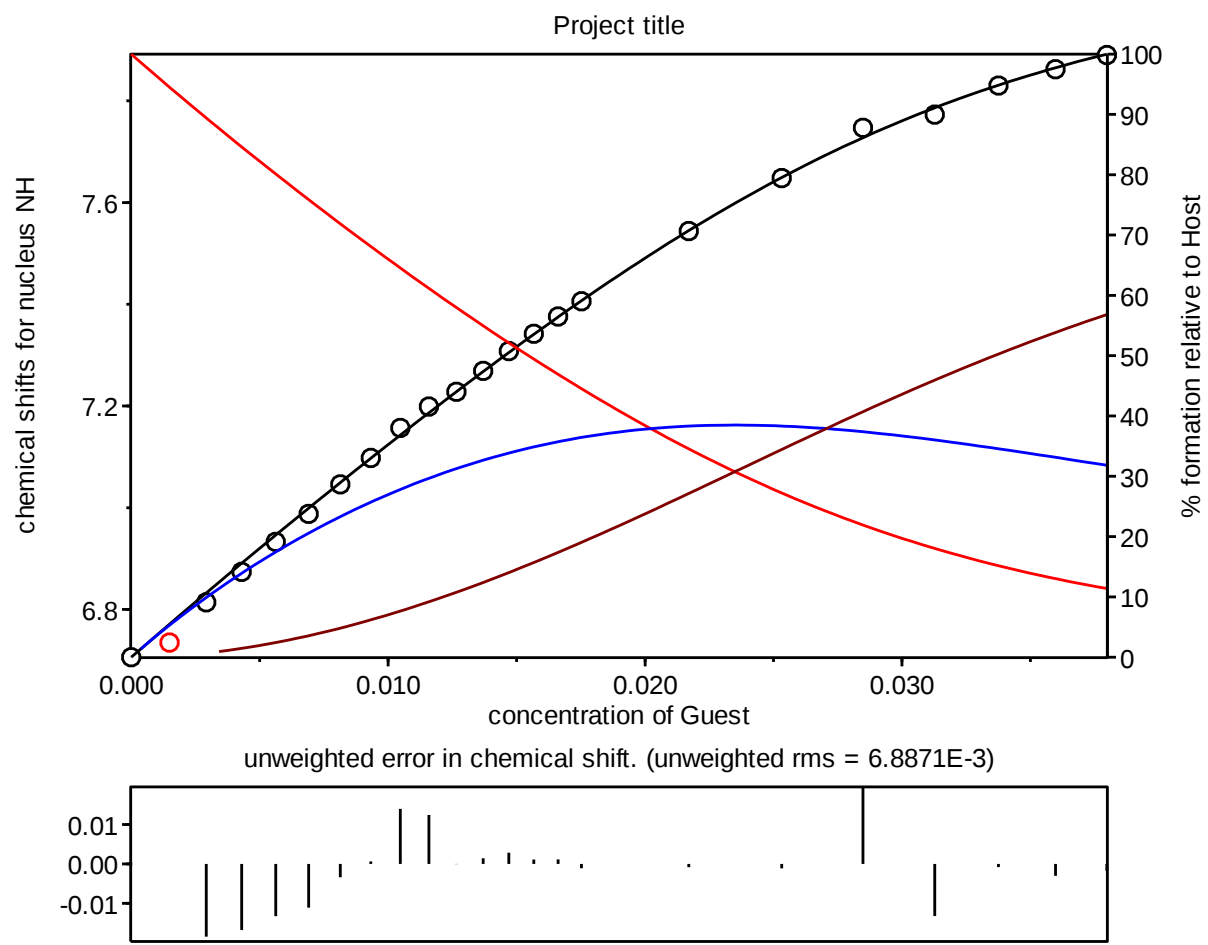
Compound **1** with chloride



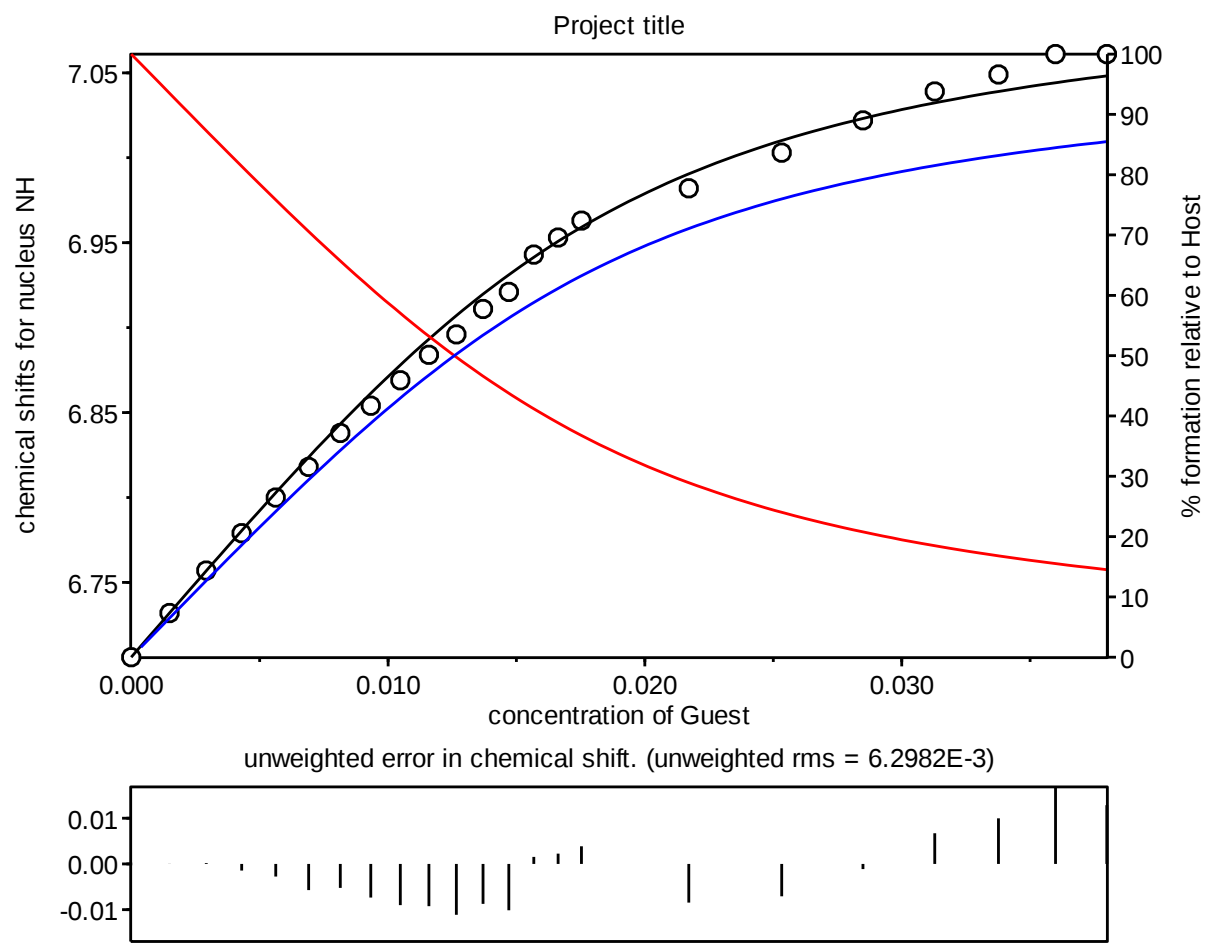
Compound **1** with fluoride



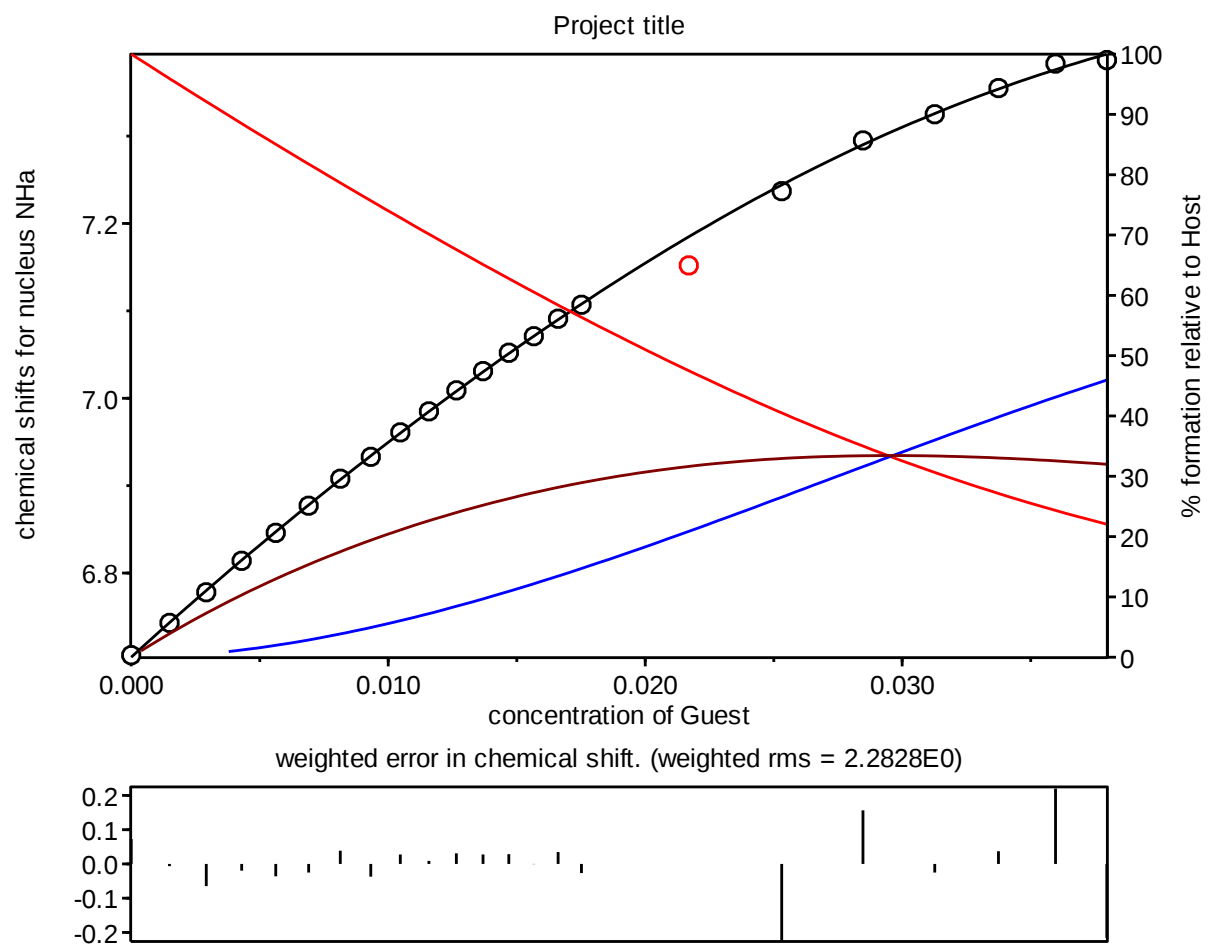
Compound **1** with nitrate



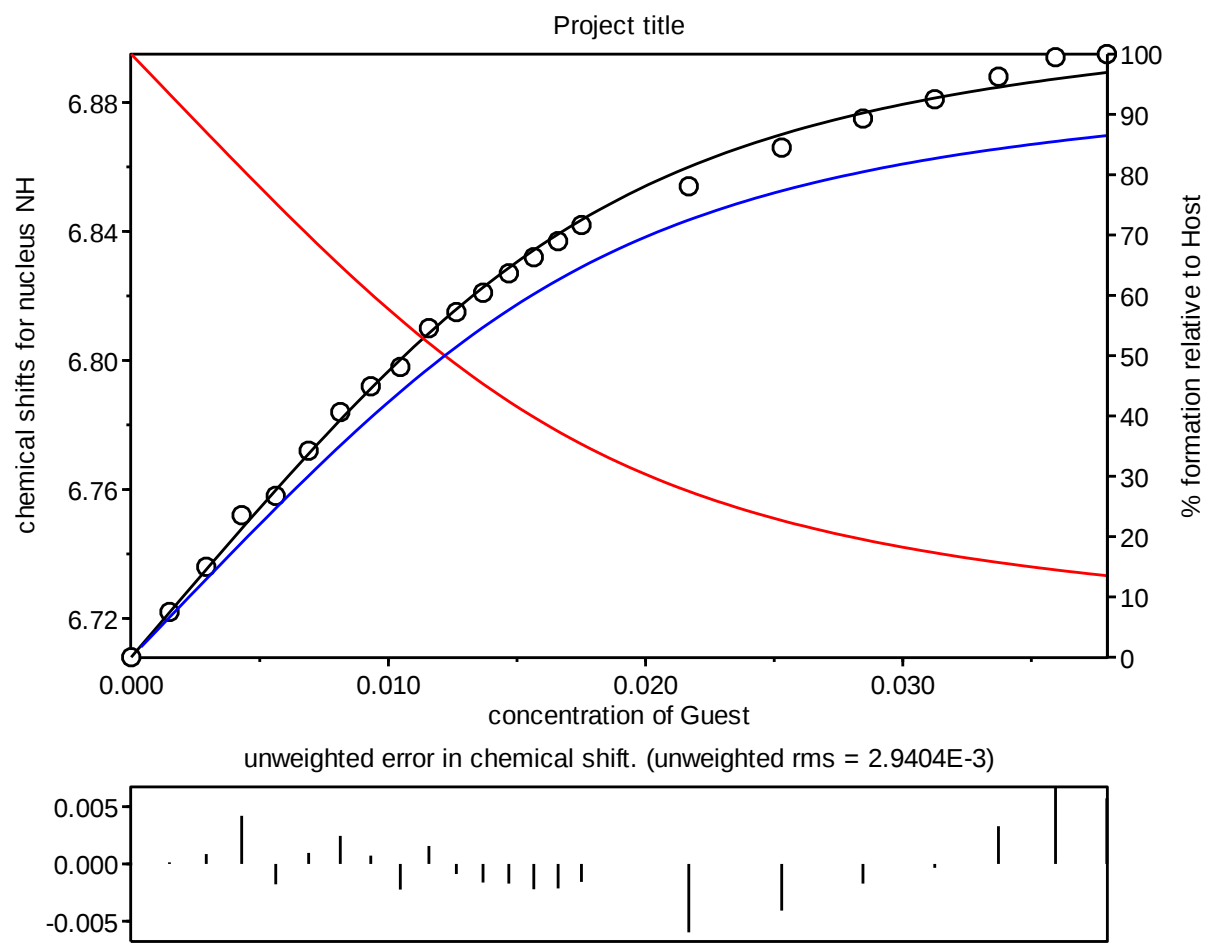
Compound **2** with acetate



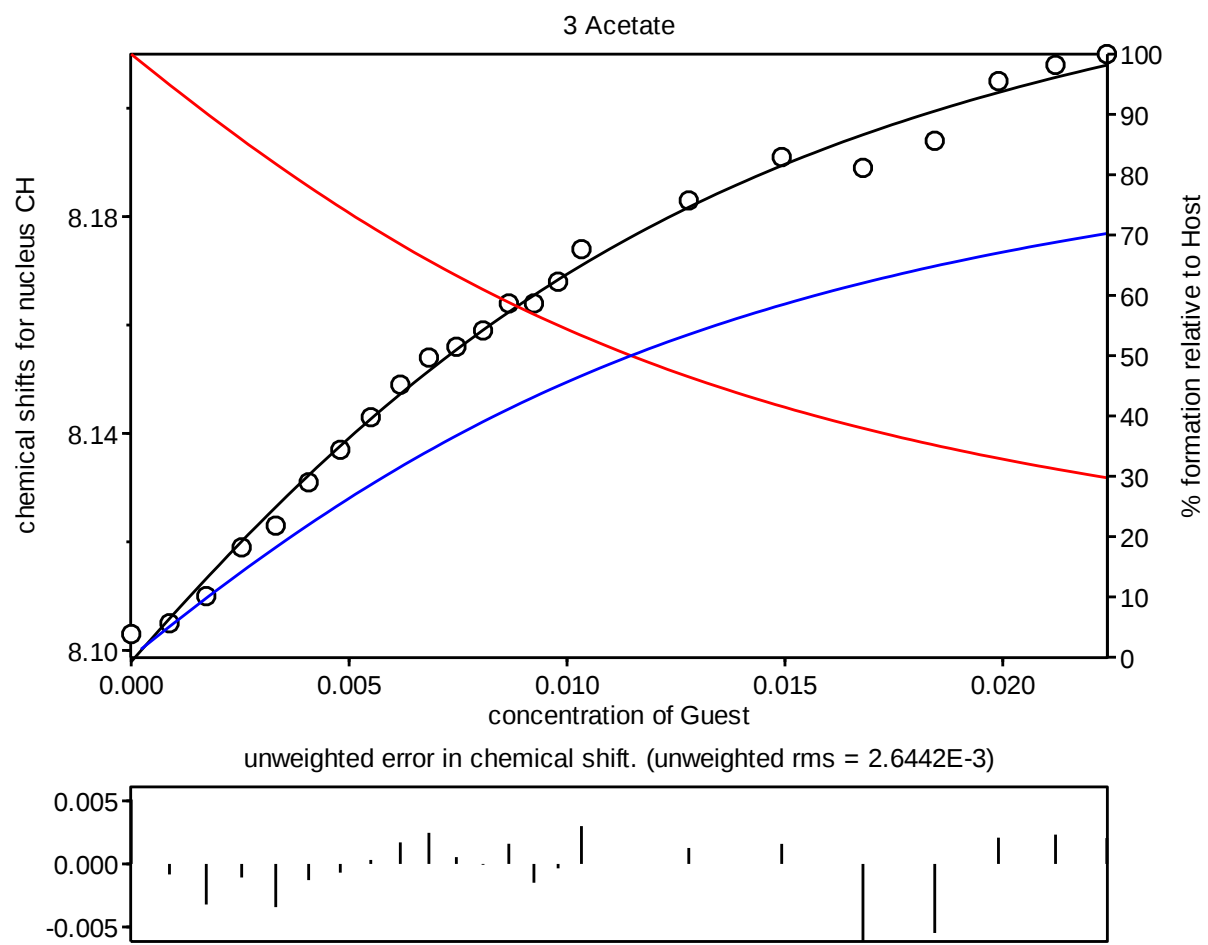
Compound **2** with bromide



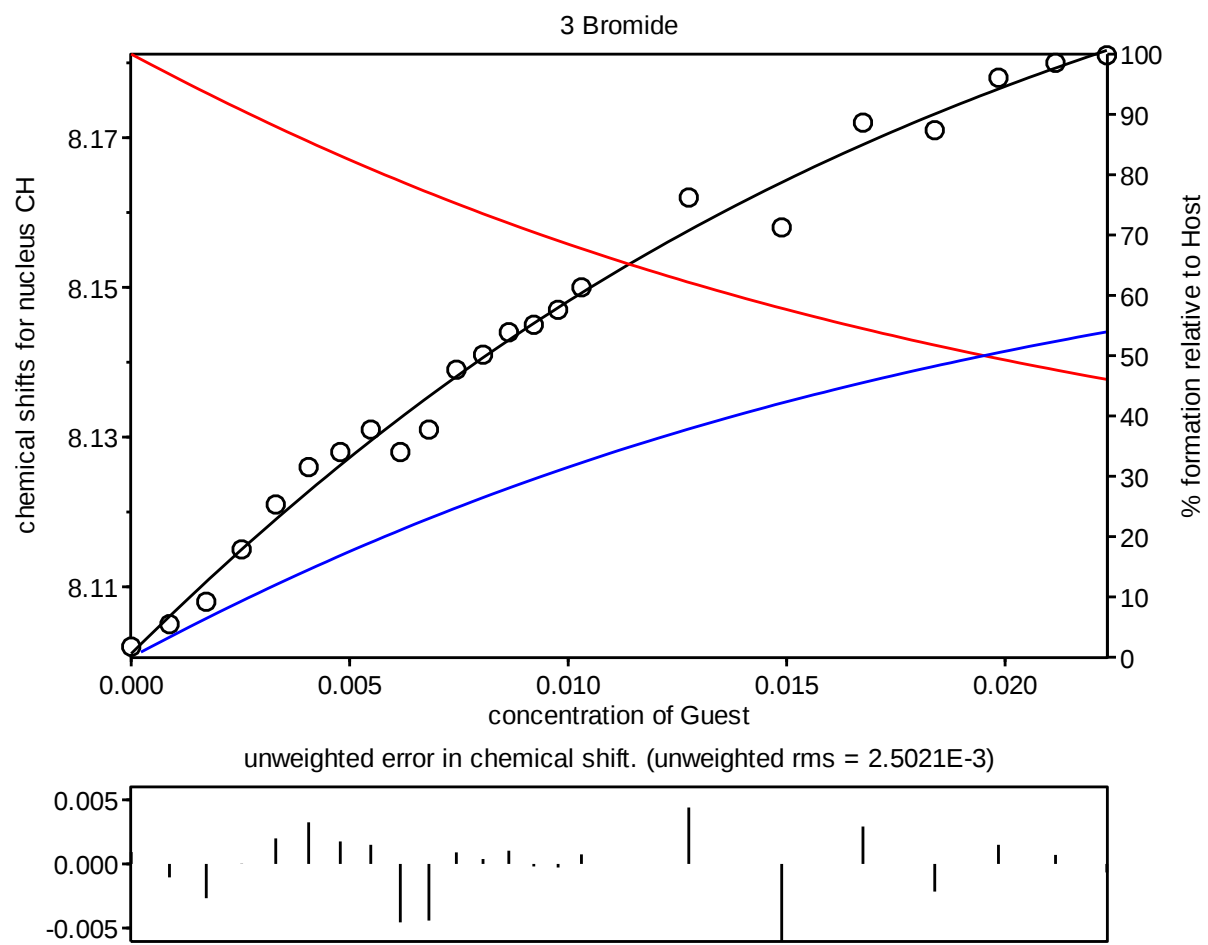
Compound **2** with chloride



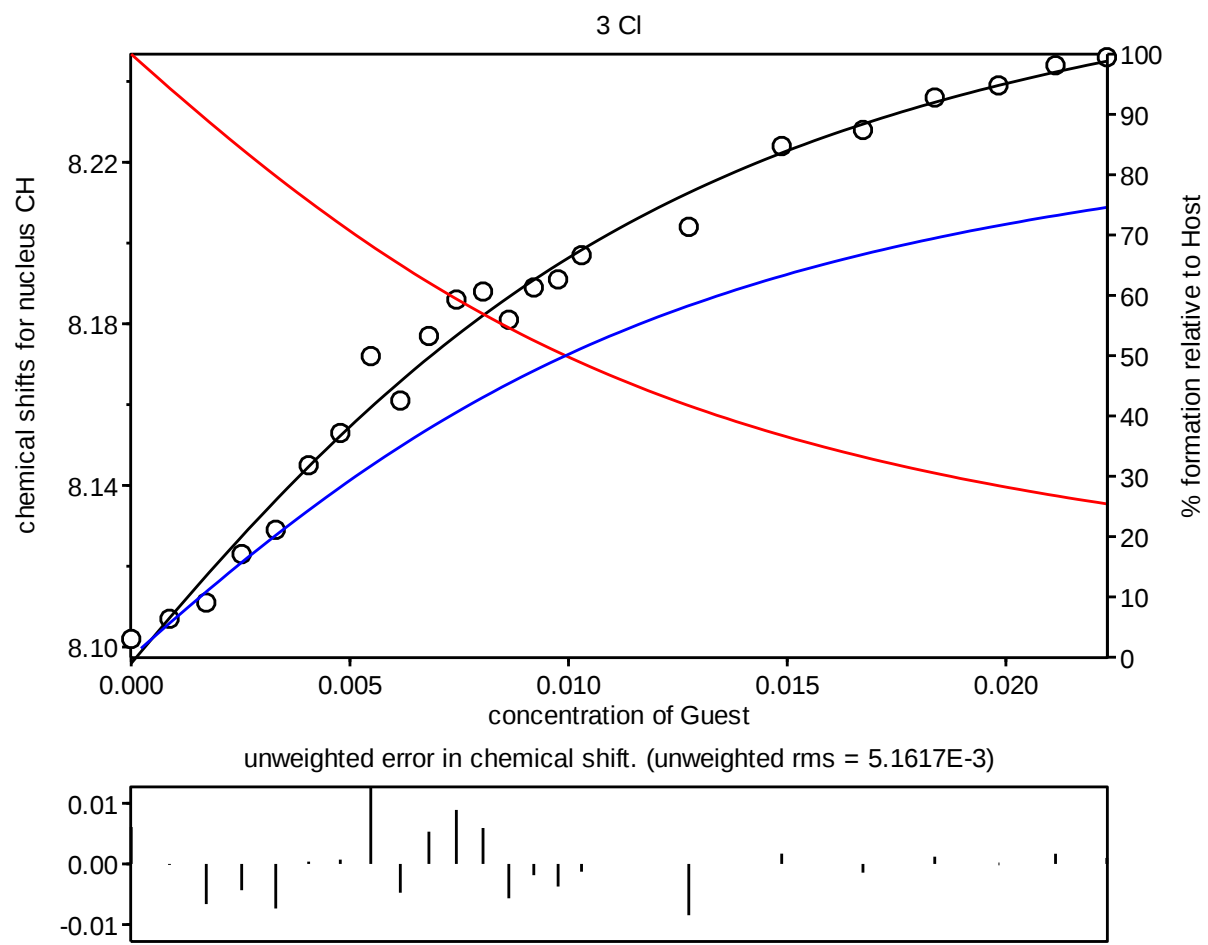
Compound **2** with nitrate



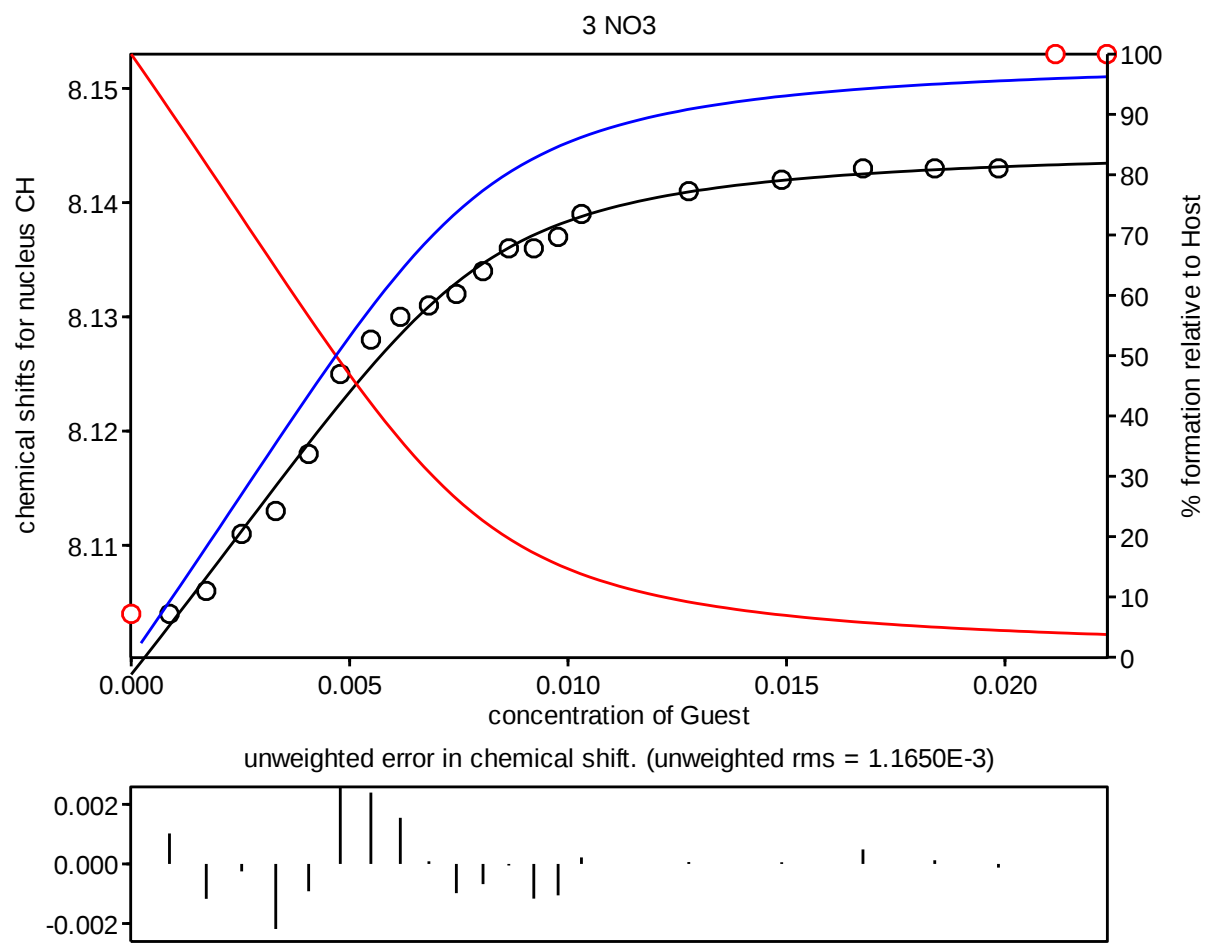
Compound **3** with acetate



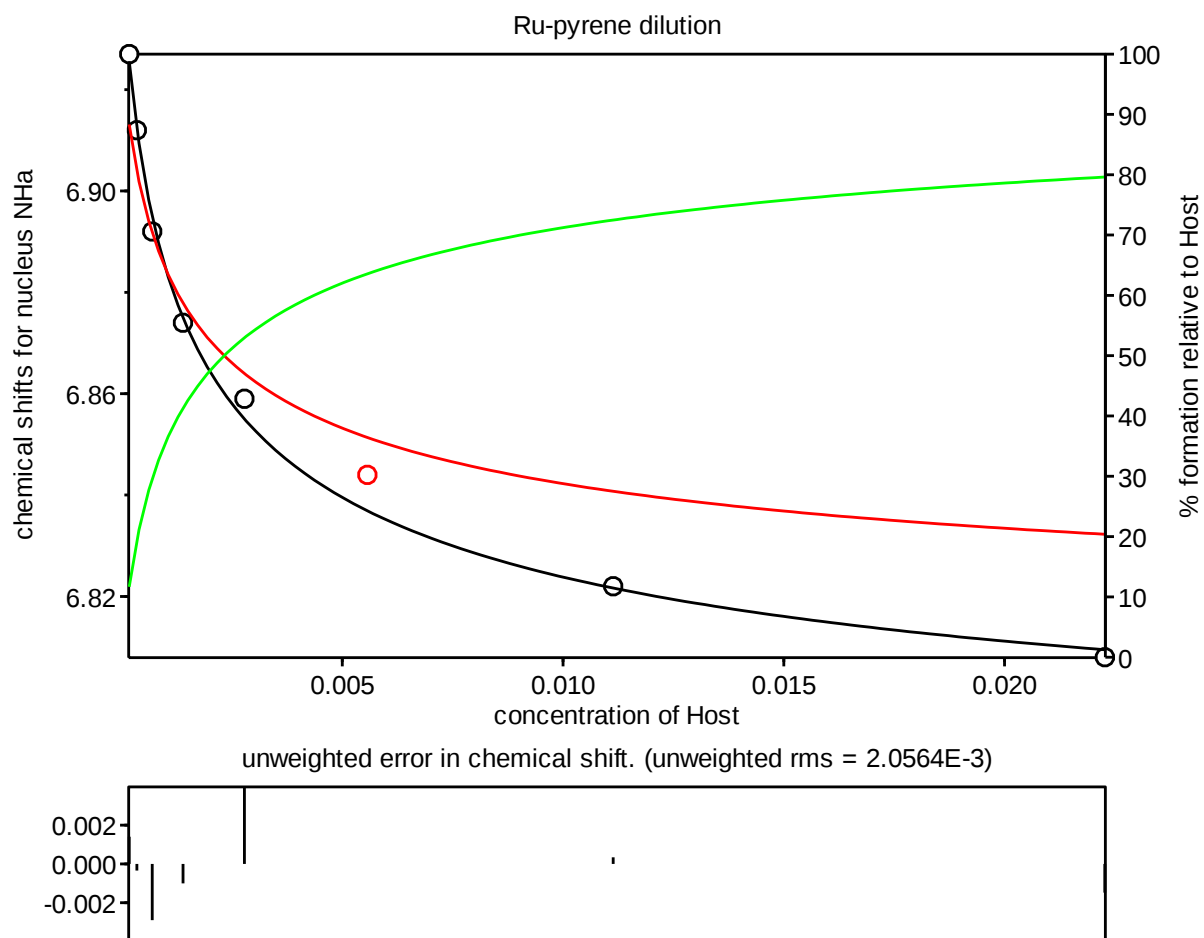
Compound **3** with Bromide



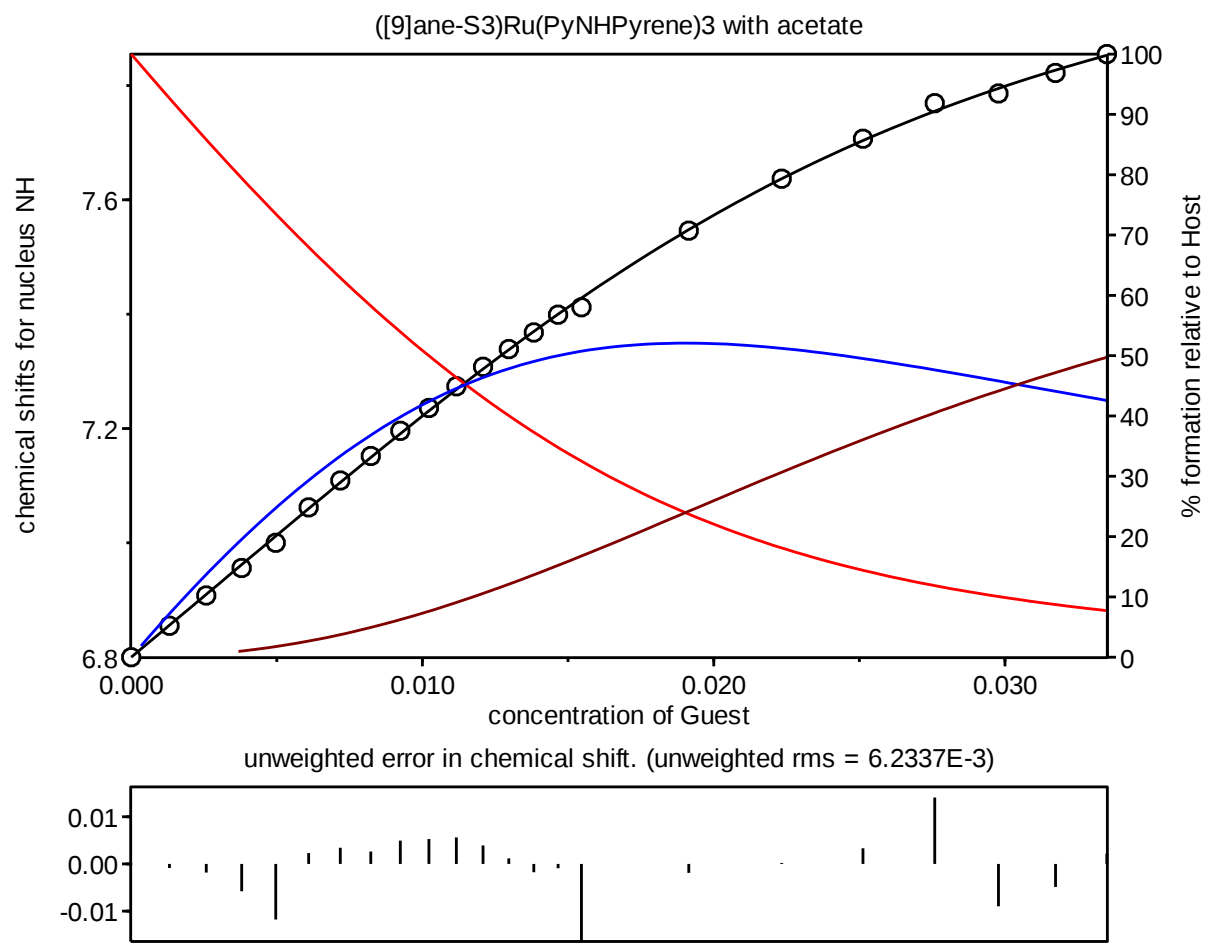
Compound **3** with chloride



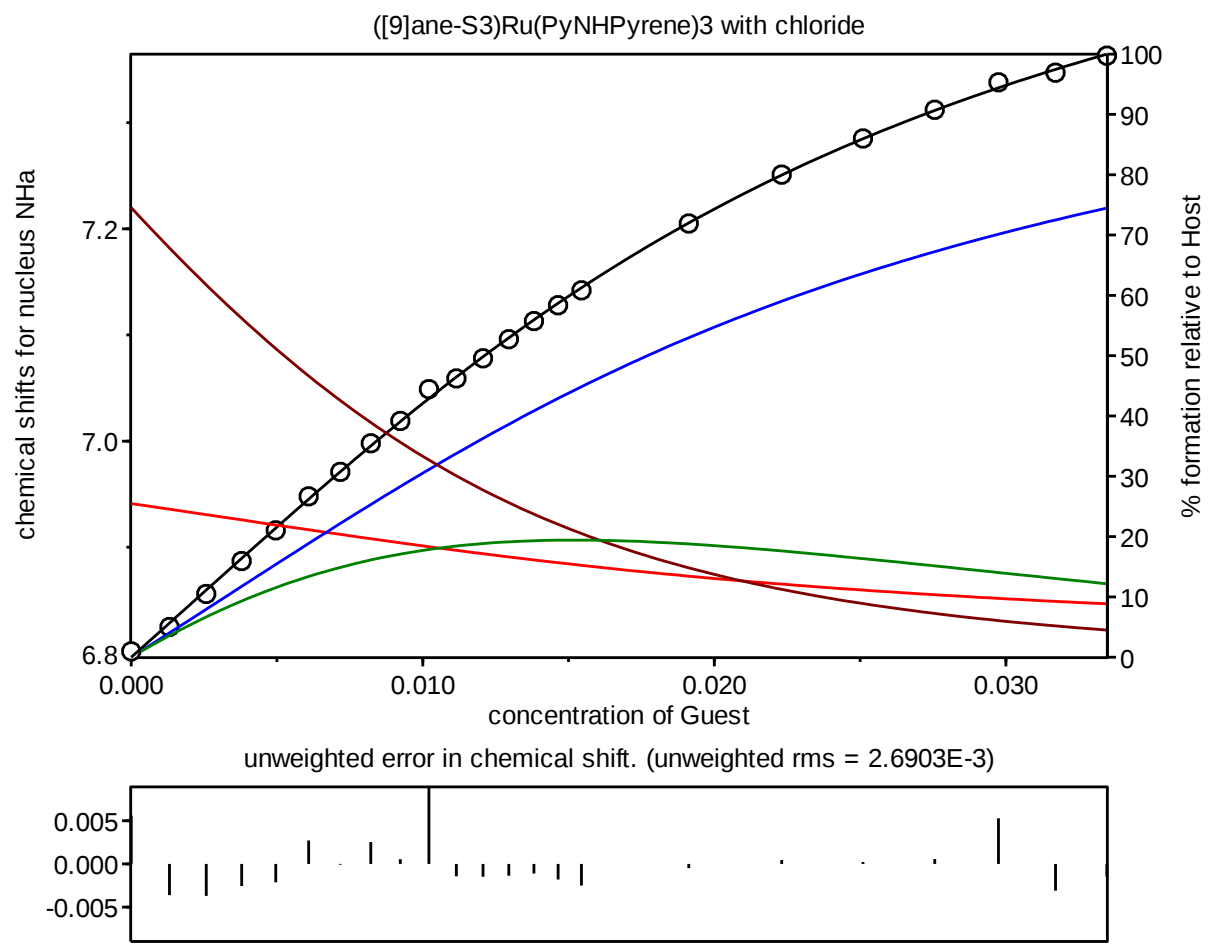
Compound **3** with nitrate



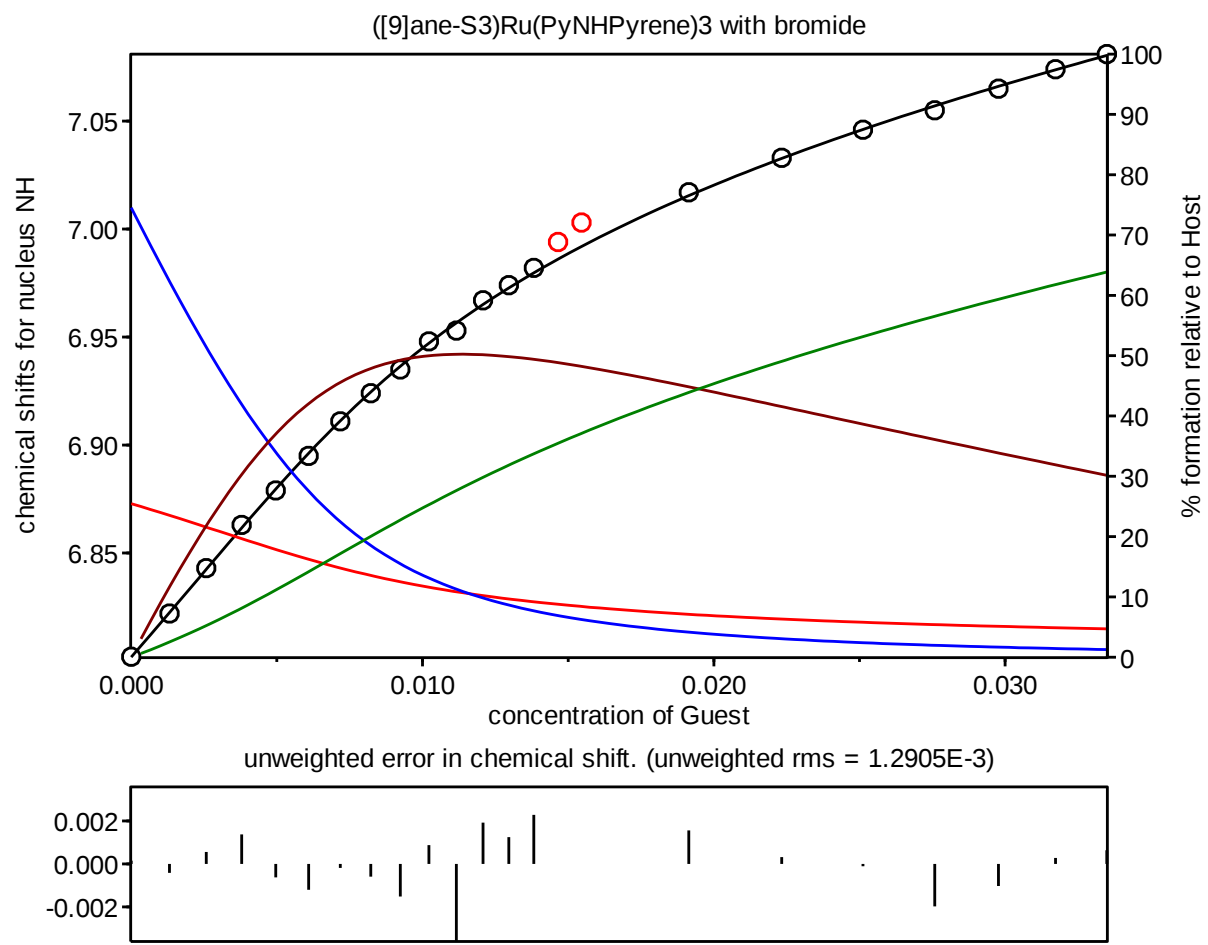
Self-association of compound **4**



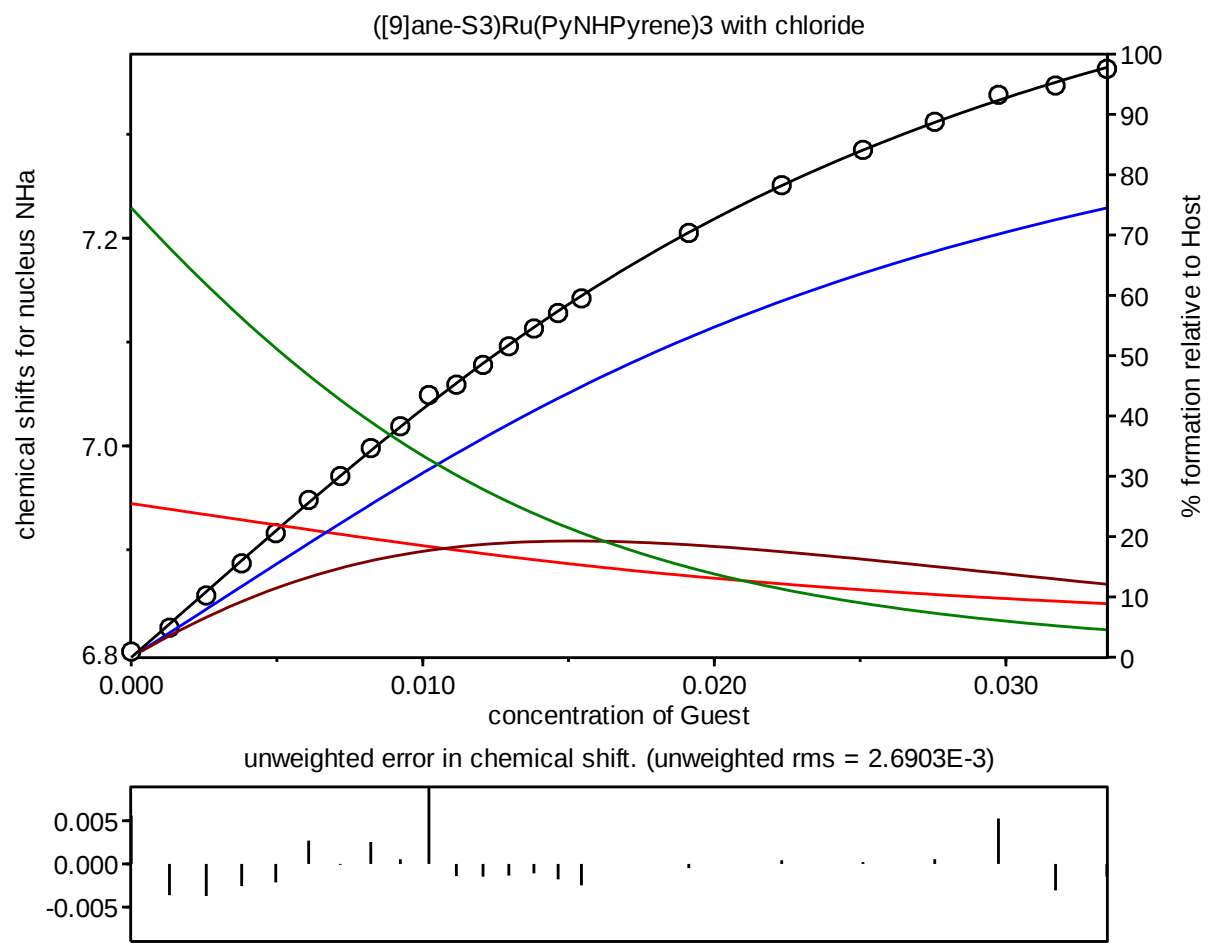
Compound **4** with acetate



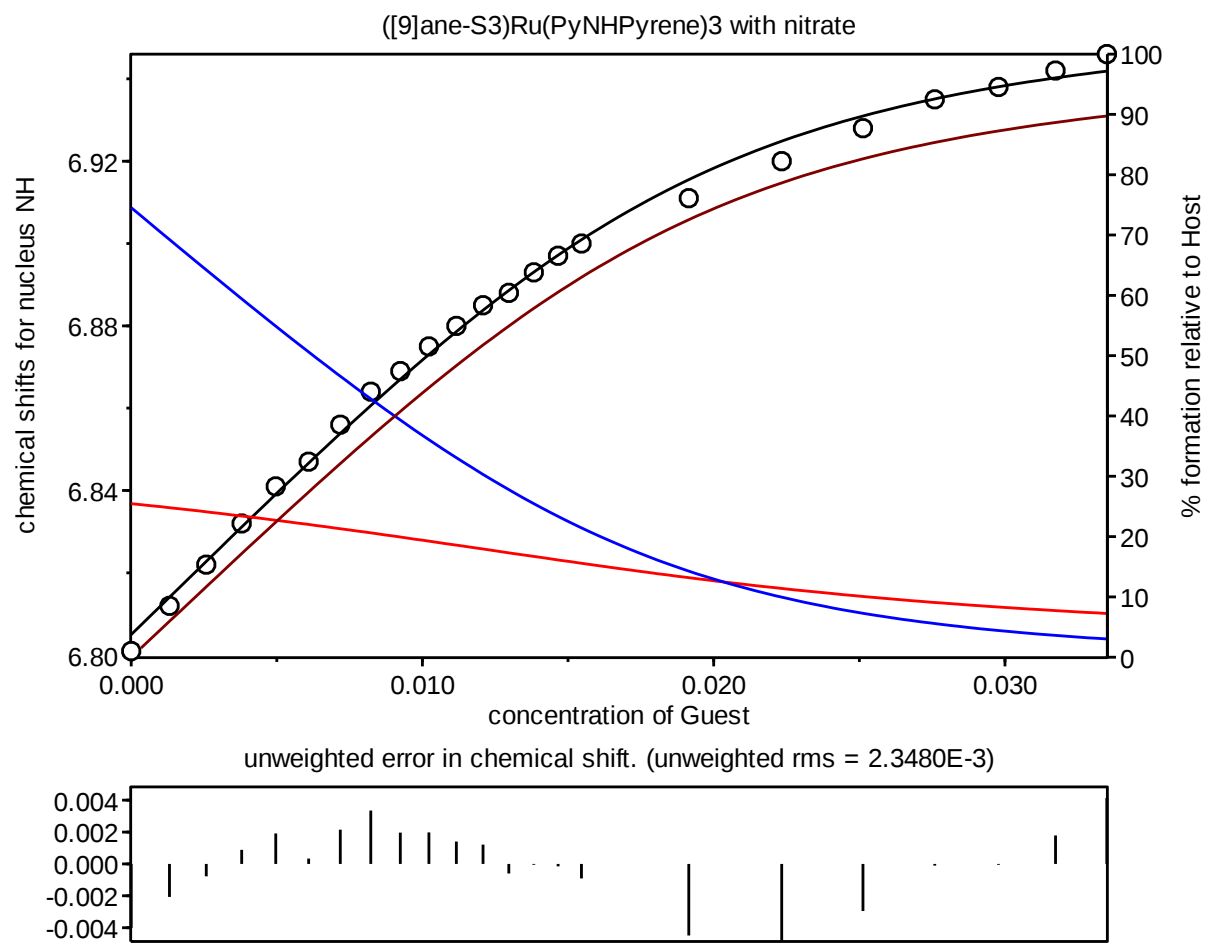
Compound **4** with chloride



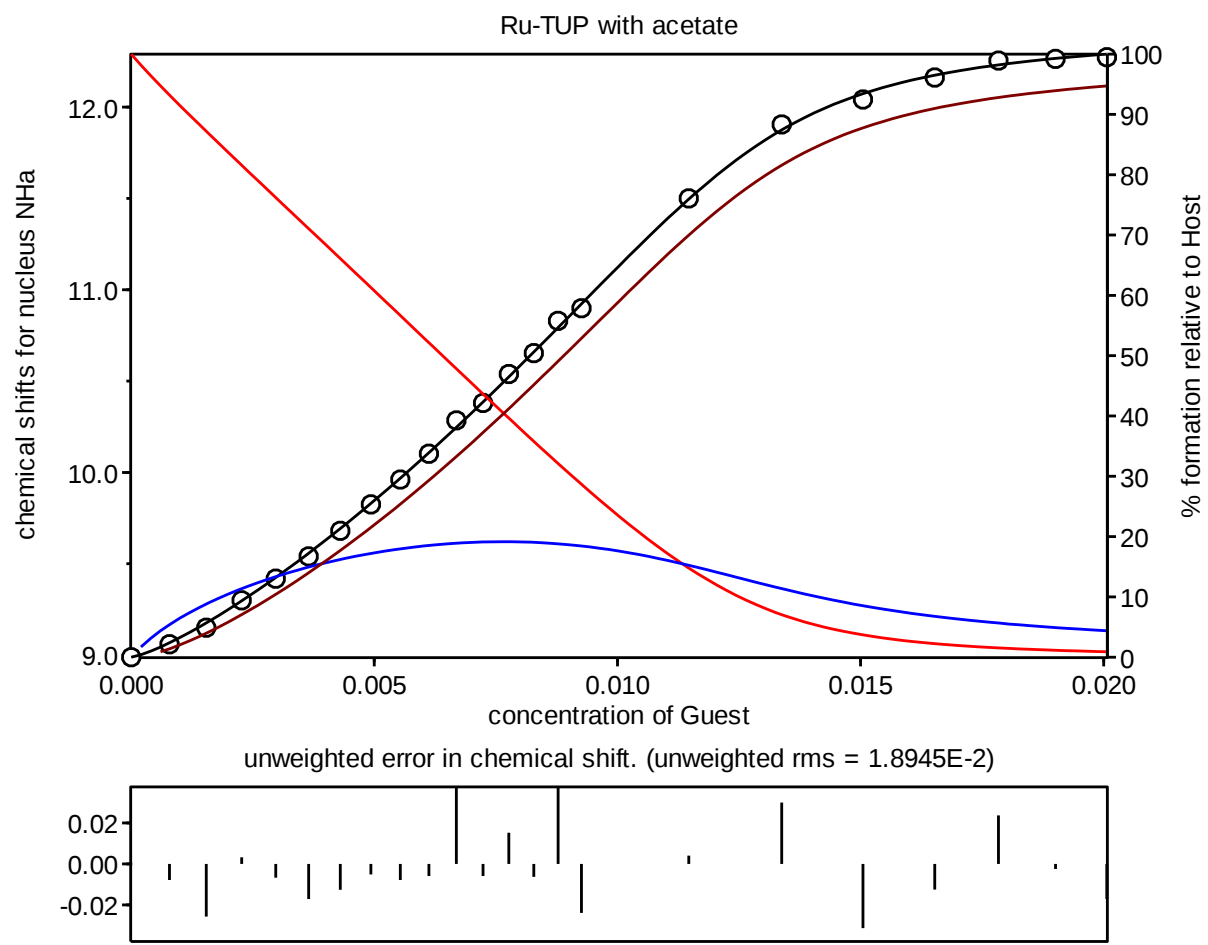
Compound **4** with bromide



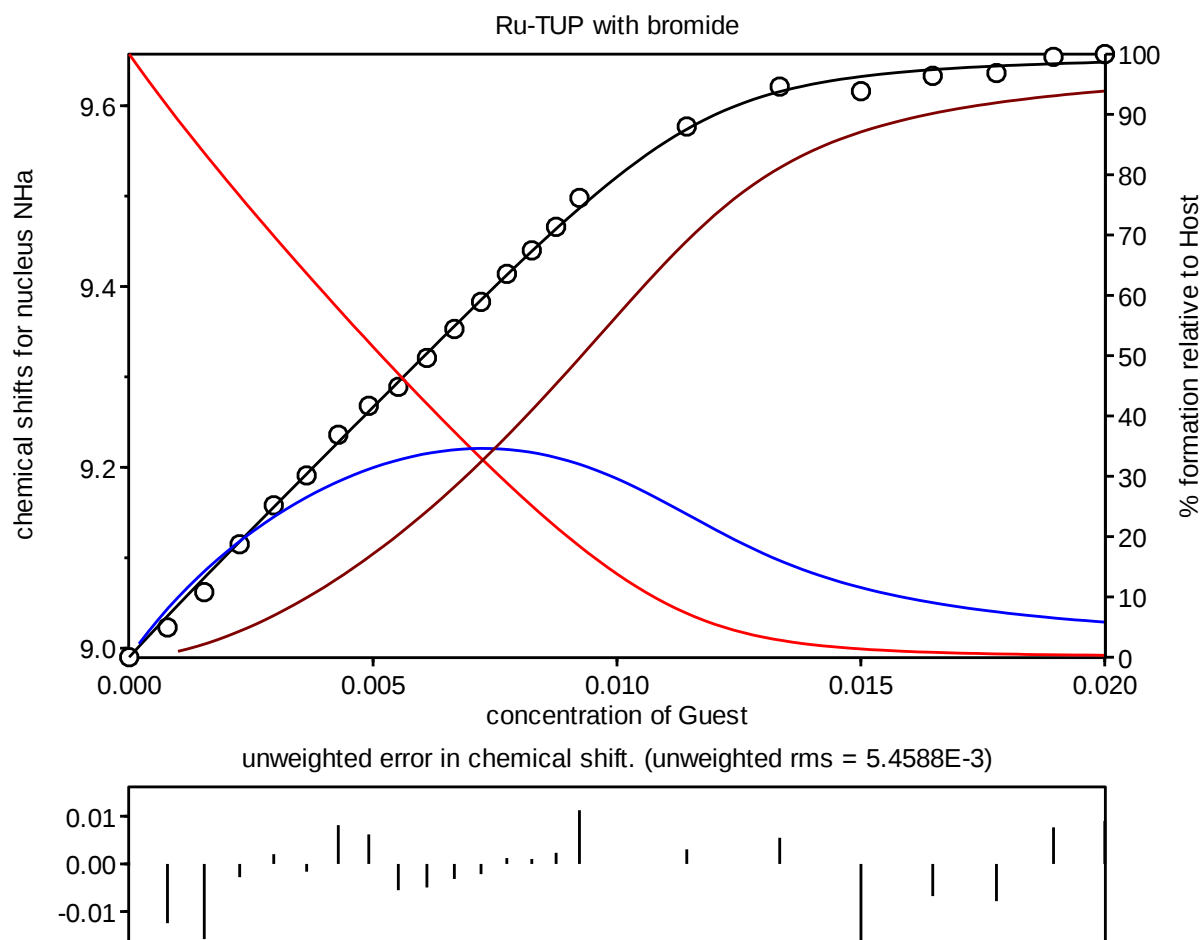
Compound **4** with chloride



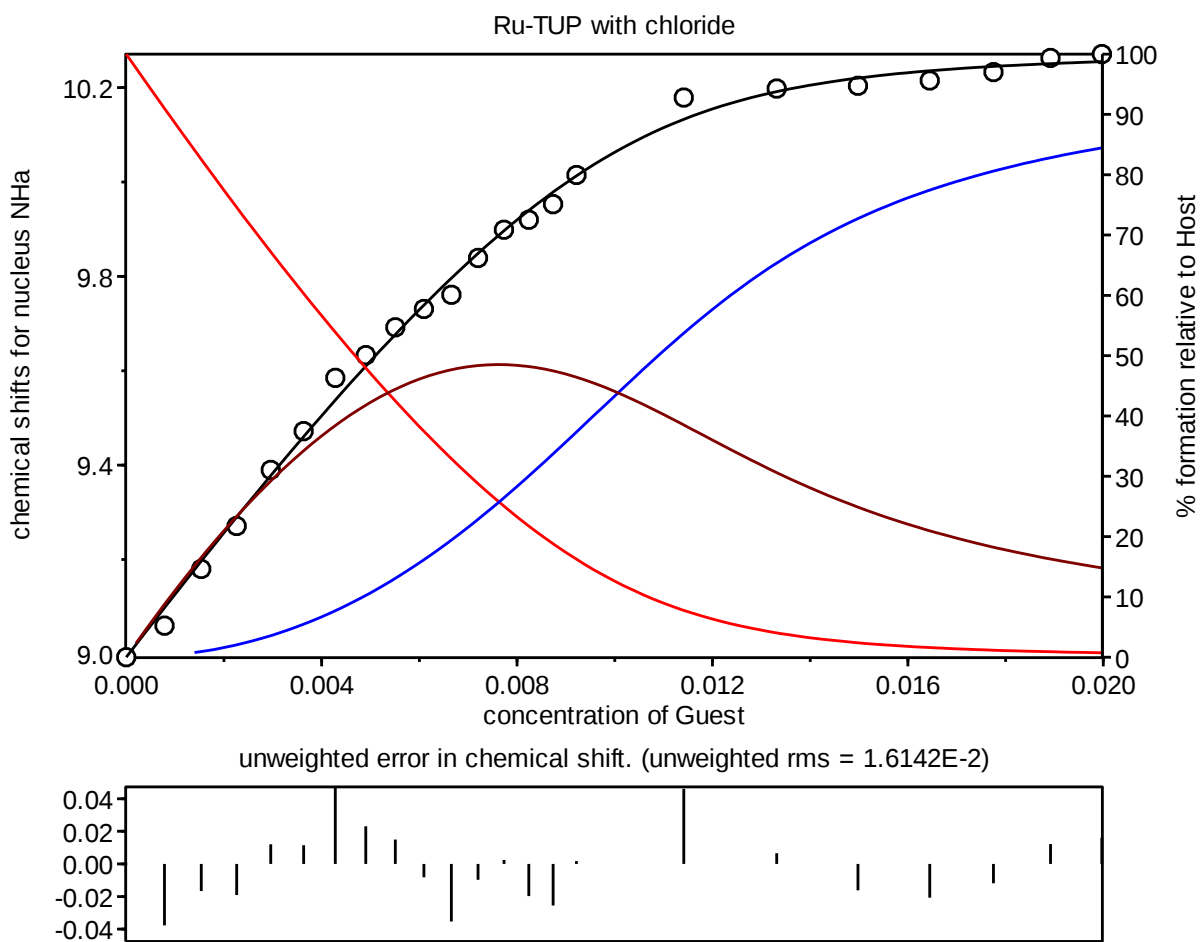
Compound **4** with nitrate



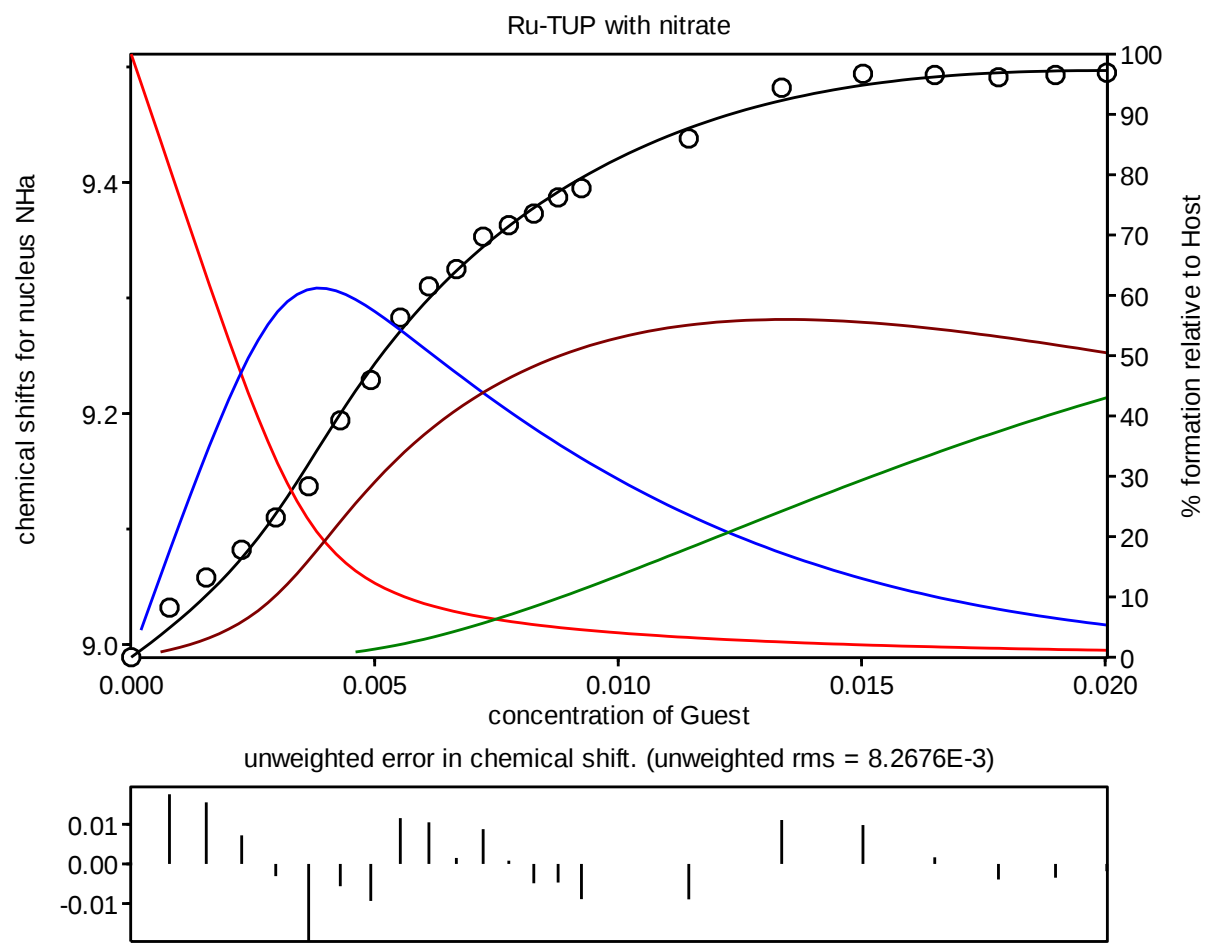
Compound **5** with acetate



Compound **5** with bromide



Compound **5** with chloride



Compound **5** with nitrate