

Supplementary material for “**Quantitative HPLC-ICP-MS analysis of antimony redox speciation in complex sample matrices: New insights into the Sb-chemistry causing poor chromatographic recoveries**”

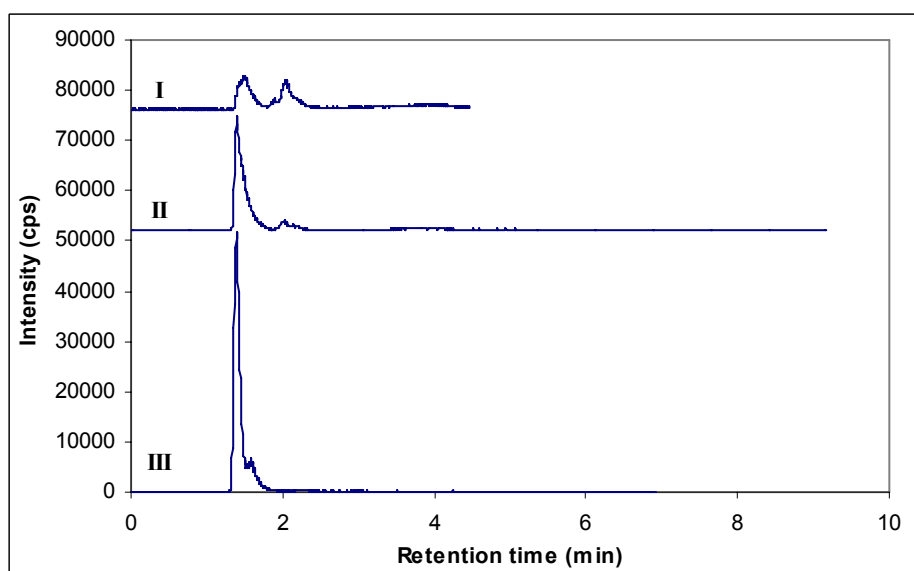


Figure i: HPLC-ICP-MS chromatogram of Pentostam freshly diluted (I), diluted 3½ h prior to injection (II) or diluted in 1 M HCl and 30 mM EDTA 4 h prior to chromatography (III). Mobile phase: 20 mM EDTA and 2 mM phthalic acid pH 4.5 (A).

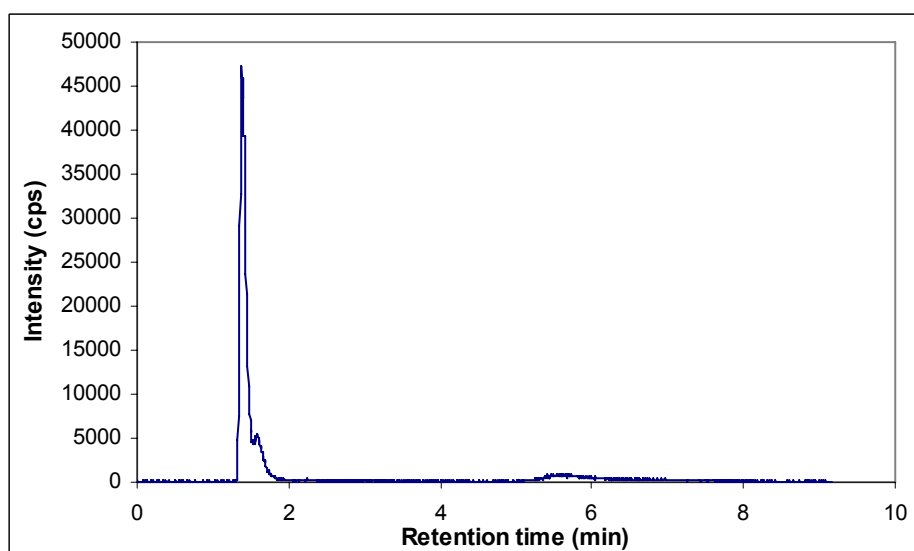


Figure ii: HPLC-ICP-MS chromatogram of Sb(V)-adenosine mixture after 3½ of treatment with 1 M HCl and 30 mM EDTA. At 5.6 minutes a flat peak elutes. Mobile phase: 20 mM EDTA+ 2 mM phthalic acid pH 4.5 (A).

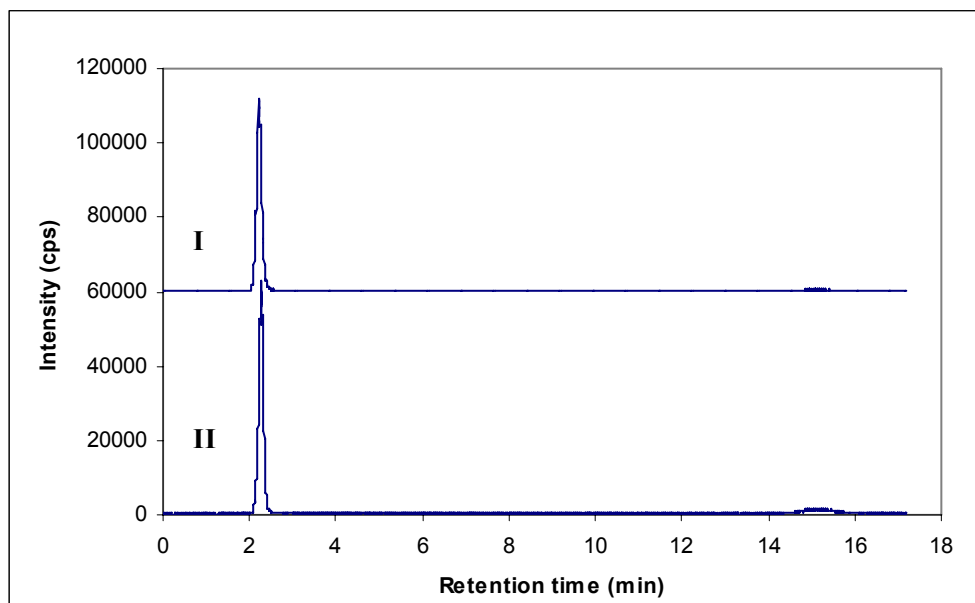


Figure iii: HPLC-ICP-MS chromatogram of Sb(V)-adenosine mixture 2 h after dilution in (I) the mobile phase or (II) in 1 M HCl + 100 mM citric acid + 30 mM EDTA. Mobile phase: 100 mM citrate pH 4.5 (B).

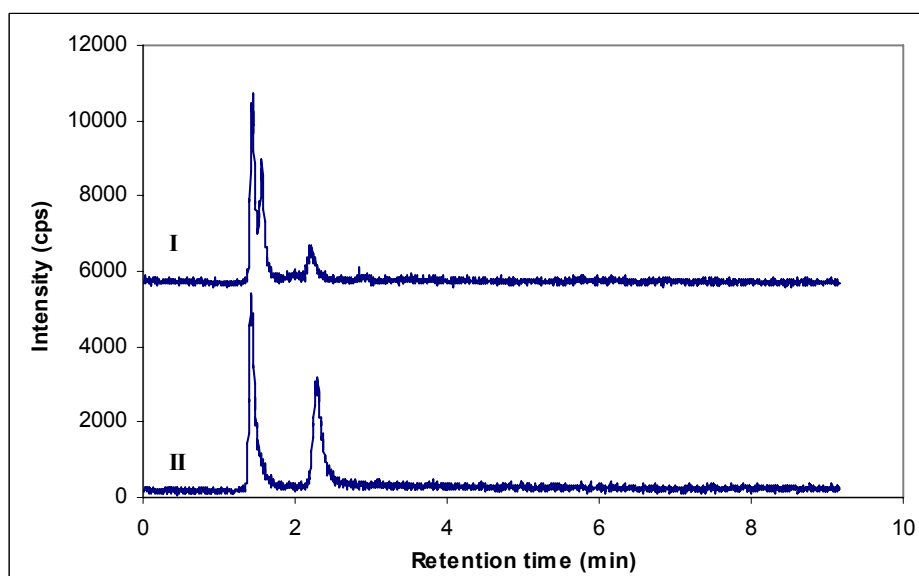


Figure iv: HPLC-ICP-MS chromatogram of a cell extract diluted in (I) the mobile phase (3 h prior to injection; recovery 66.0 (\pm 2.0)%) or (II) in 1 M HCl and 30 mM EDTA (3 ½ h prior to injection; recovery 93.5 (\pm 5.1)%). Mobile phase: 20 mM EDTA and 2 mM phthalic acid pH 4.5 (A).