

Figure S1. SEC-ICP-MS chromatograms of Al-oxalic acid (A) and -citric acid (B) standard solutions (3:1 organic acid to Al ratio, buffered at pH 6.0). The chromatogram obtained for a root sample (signal intensity on right axis) is also depicted to compare the elution times of Al-complexes in standard solutions with those detected in *P. almogravensis*.

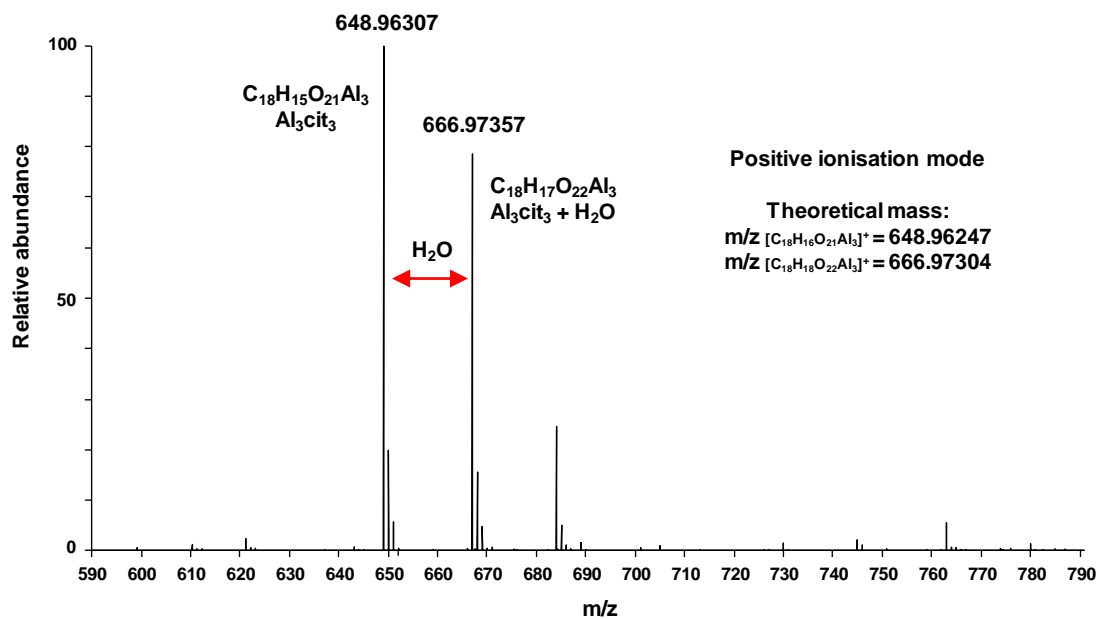


Figure S2. Electrospray mass spectrum obtained for standard solution of Al^{3+} and citric acid (metal:ligand ratio - 1:4).

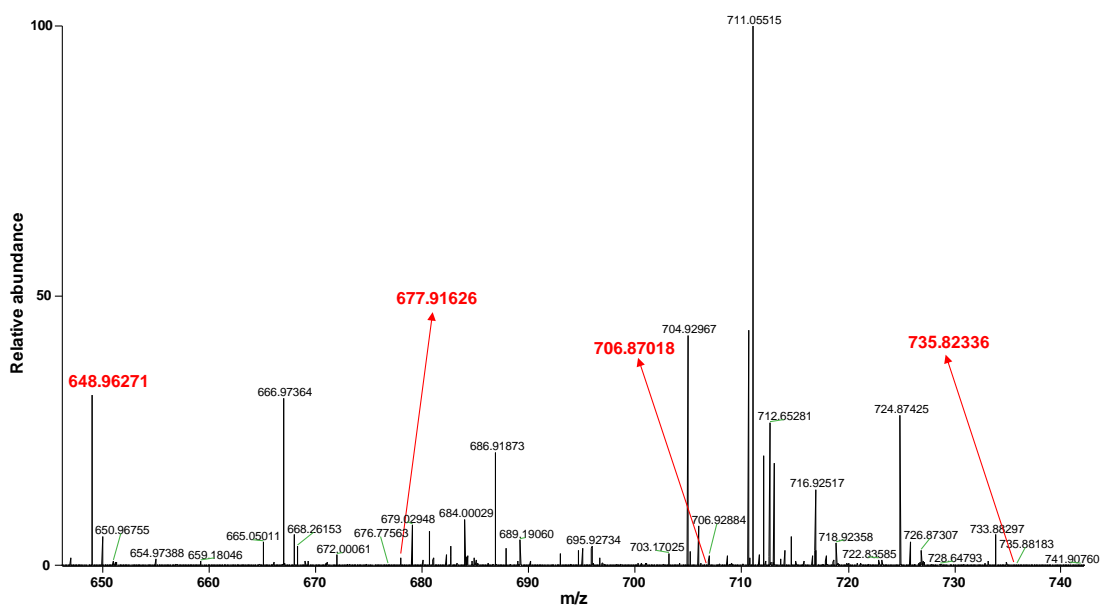


Figure S3. Starting from the molecular ion corresponding to Al_3cit_3 (m/z 648.9627) successive addition of the mass difference between Fe and Al (Δ 28.95 u) allows observing the ions corresponding to Al_2FeCit_3 (m/z 677.9163), $AlFe_2Cit_3$ (m/z 706.8702) and Fe_3Cit_3 (m/z 735.8234).

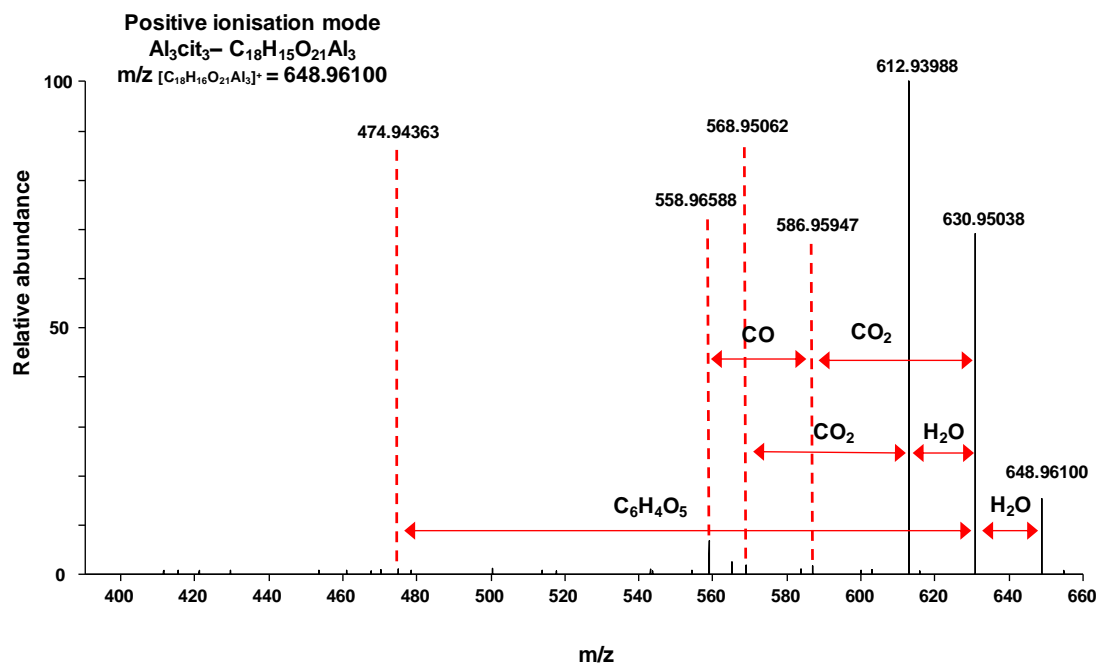


Figure S4. CID-MS spectrum of the m/z 648.96100 ion.