



**Figure S11.** UV (340nm) chromatogram of the Marfey derivatised amino acids from the hydrolysis of anabaenolysin A. Glycine was identified by comparing the retention time and mass spectra (MS and MSn) to the FDAA-glycine prepared from commercial amino acid. 175Da and 193 Da peaks correspond to the AOFHA structure with closed and open lactone ring structure.