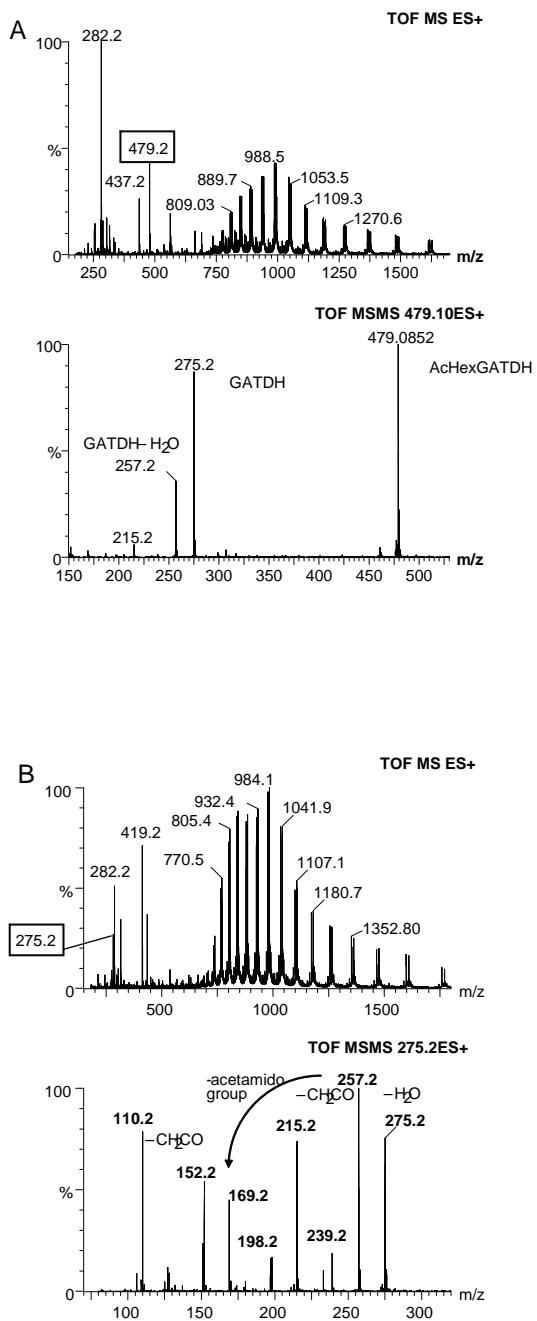


Figure A1



A) Upper panel, ESI mass spectrum over a range of 180–1800 m/z . The major glycan oxonium ion species for AcHexGATDH (m/z 479.2) is boxed. Additional oxonium ions for HexGATDH (m/z 437.2) and GATDH (m/z 275.2) are also detectable. Lower panel, CID MS/MS analysis of the major m/z species generated by in-source fragmentation of the oxonium ion species at m/z 479.2.

B) Upper panel, ESI mass spectrum over a range of 180–1800 m/z . The major glycan oxonium ion species (m/z 275.2) is boxed. Lower panel, CID MS/MS analysis of the major m/z species generated by in-source fragmentation of the GATDH oxonium ion (m/z 275.2). These fragment species corroborate the structure for GATDH originally proposed by Chamot-Rooke and colleagues (Chamot-Rooke et al., 2007).