Comparative Glycomics using A Tetraplex Stable-Isotope Coded Tag

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Supporting Information

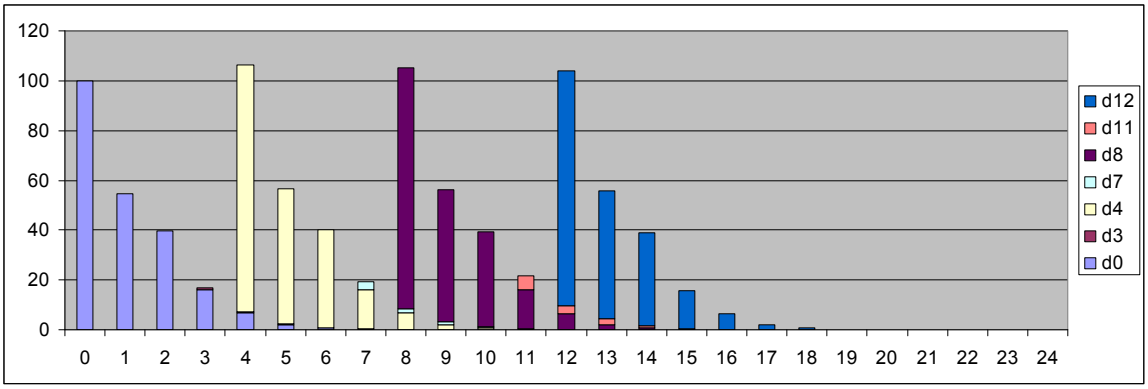

Figure S.1.:Isotopic envelopes with overlaps, corrected for any tag isotopic deficiency for labeled [1,1,2,4,1]

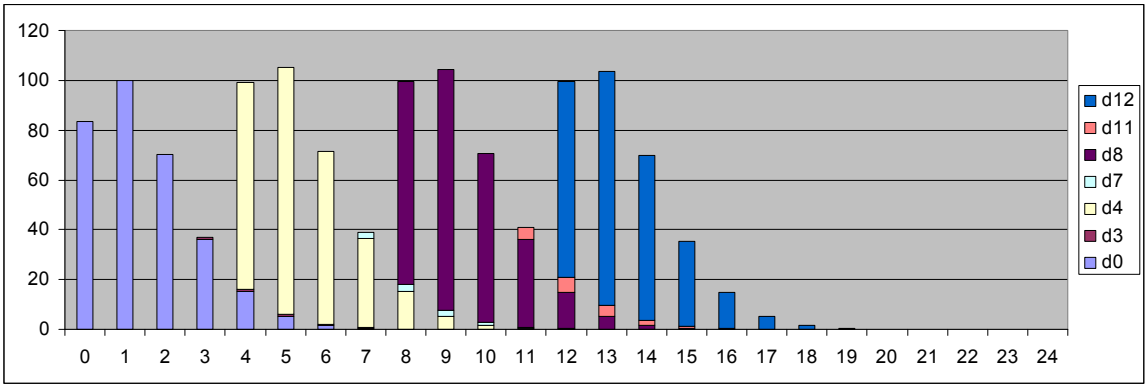

Figure S.2. Isotopic envelopes with overlaps, corrected for any tag isotopic deficiency for labeled $BiAnNeu_2$

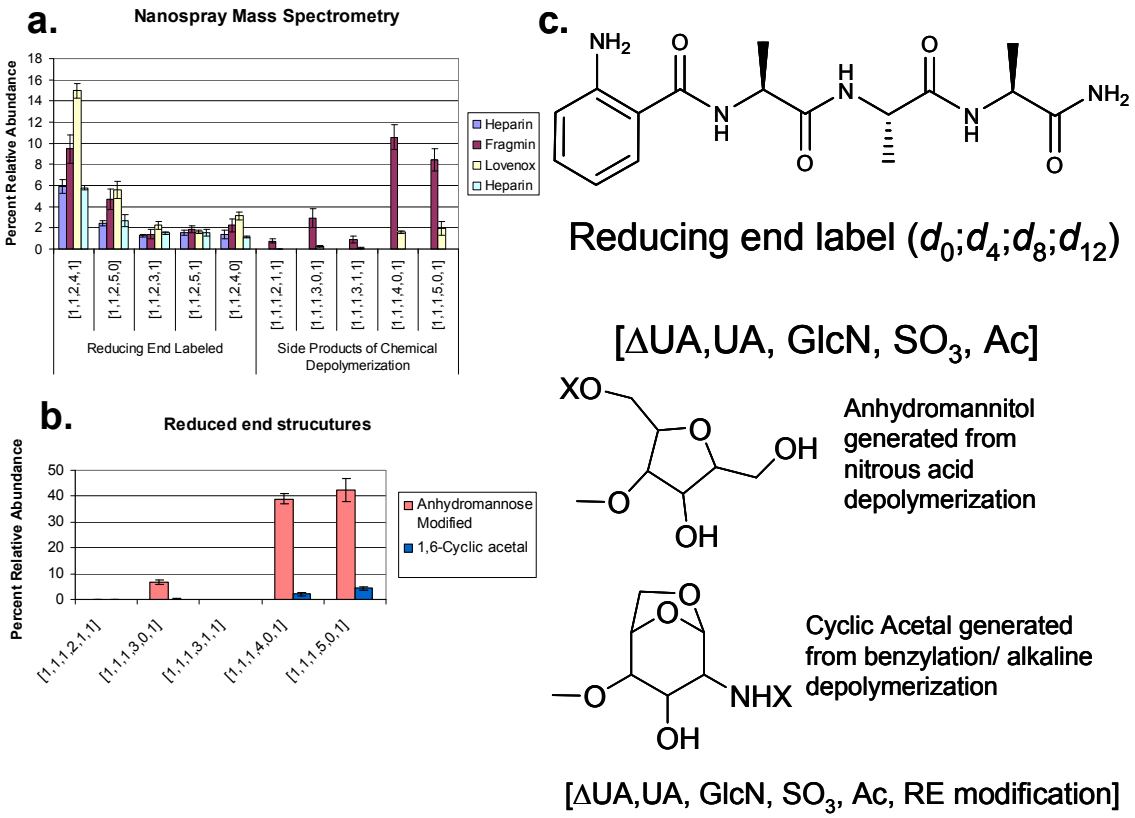

Figure S.3. Relative quantification of tetrasaccharides with modified reducing ends from pharmaceutical preparation by a.) nanospray and b.) LC/MS. c.) Reducing end structures.

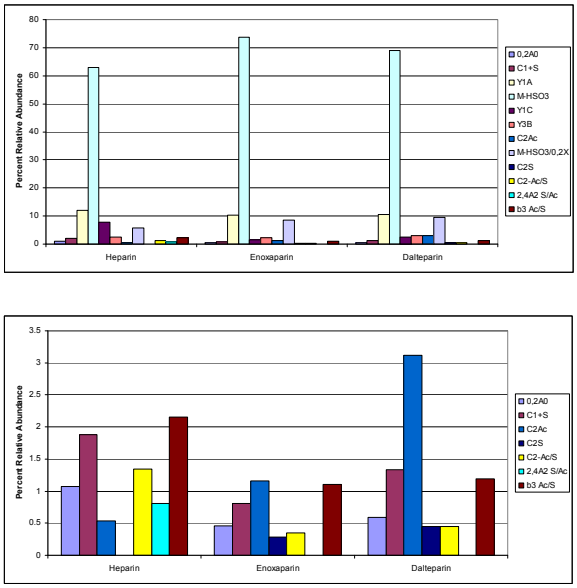

Figure S.4. Relative abundances of non-reducing end fragments of [1,1,2,4,1] labeled heparin-based tetrasaccharides. Each ion (d_0, d_4, and d_8) were isolated individually and fragmented to deteremine the contribution of non-isotopically enriched fragment ions from each source.

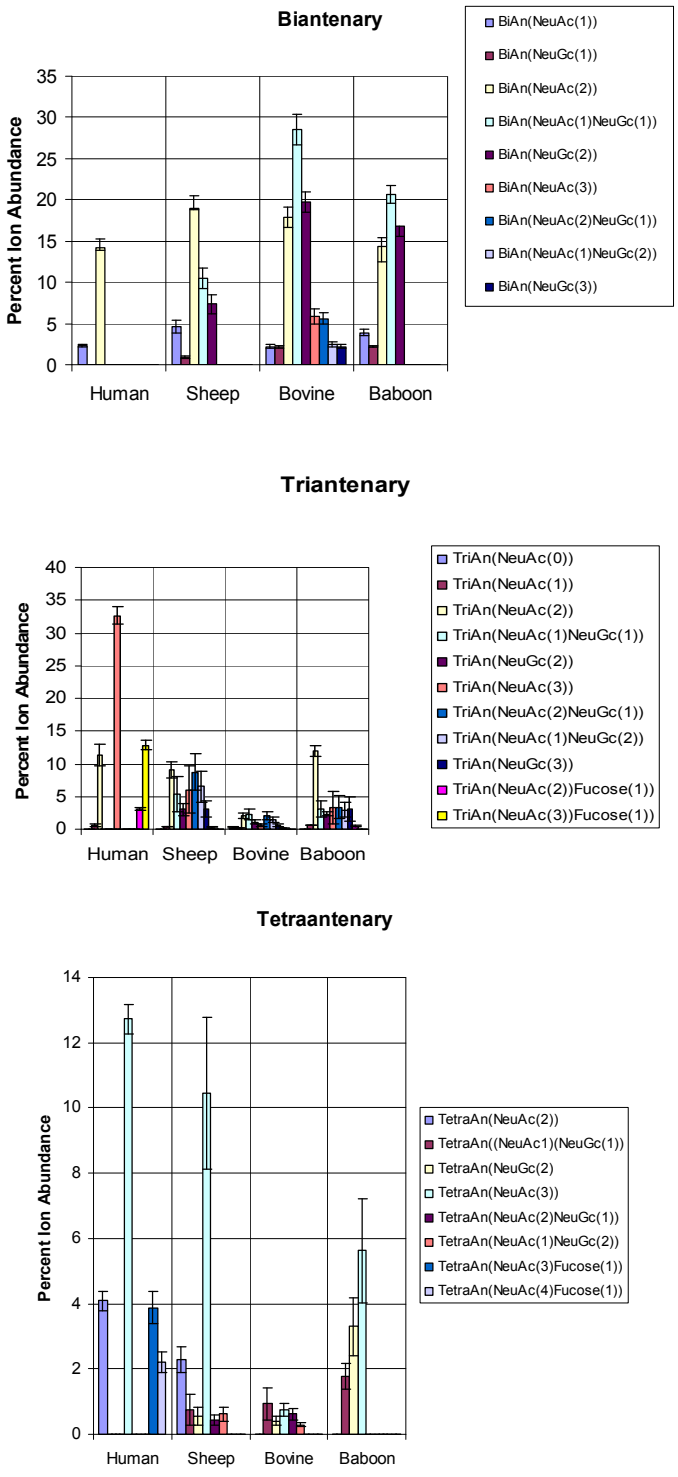

Figure S.5. *N*-linked graphs by percent ion abundance by class normalized for protein content.

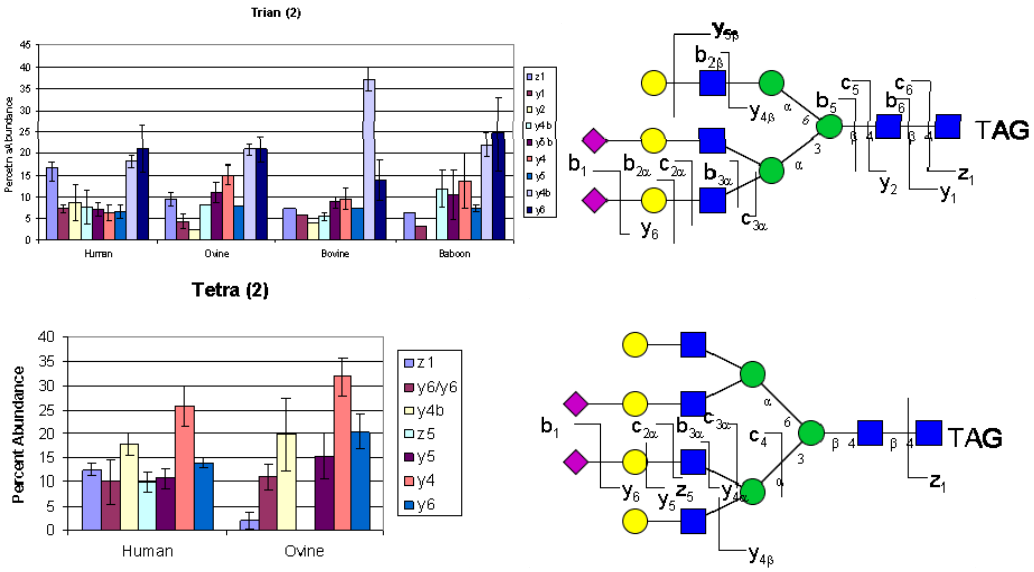

Figure S.6. Relative quantification of fragment ions of relative quantification of fragment ions from TriAn(NeuAc$_2$)$^{3-}$ and TetraAn(NeuAc$_2$)$^{3-}$. The locations of the sialic acids in the representative structures are for illustrative purposes, as sialic acid positions were not determined.