

**Chemical Derivatization Coupling with Matrix Assisted Laser
Desorption Ionization Time-of-Flight Mass Spectrometry for
Convenient and Efficient N-glycan Detection in Human Plasma**

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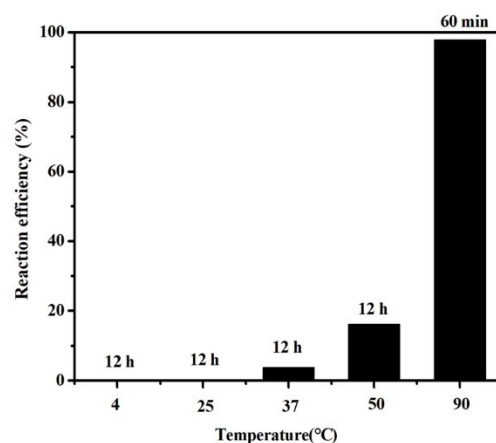


Fig. S1 The reaction efficiency of DP7 with PBH at different temperatures with a 1:50 molar ratio of DP7 to PBH and in the presence of 0.5% acetic acid for 60 min.

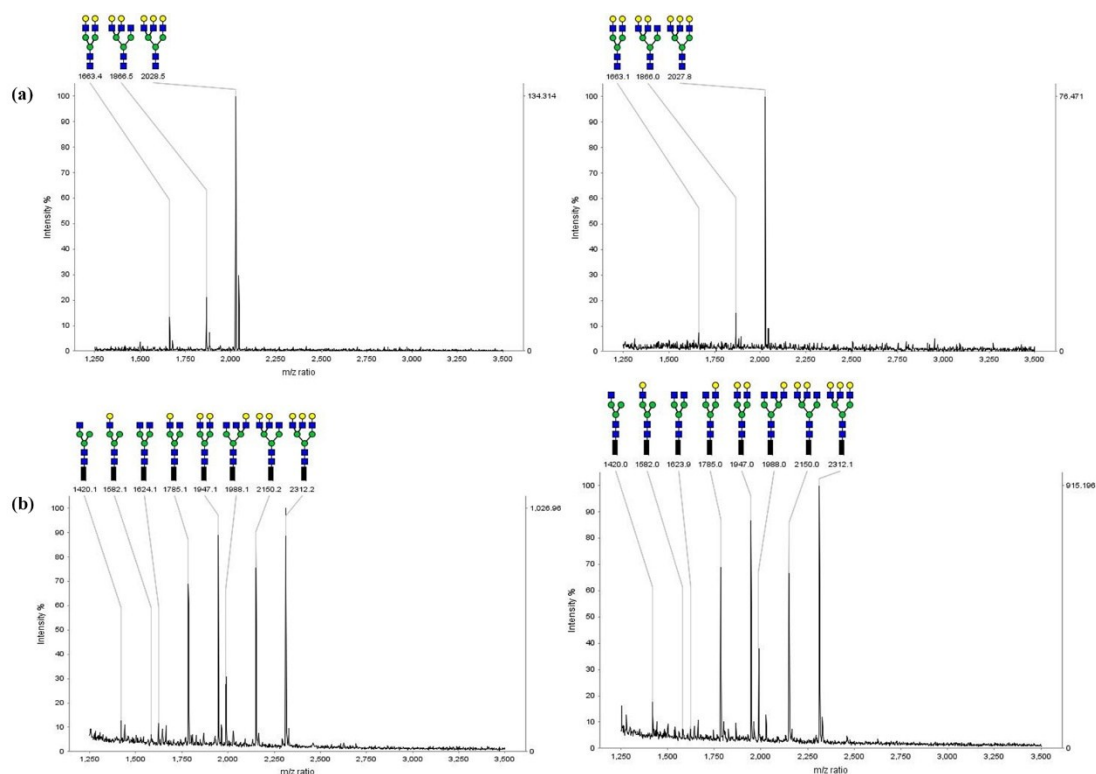


Fig. S2 MALDI-TOF MS spectra of N-glycans releasing from asialofetuin: direct analysis (a) and after derivatization by PBH (b) in two replicates.

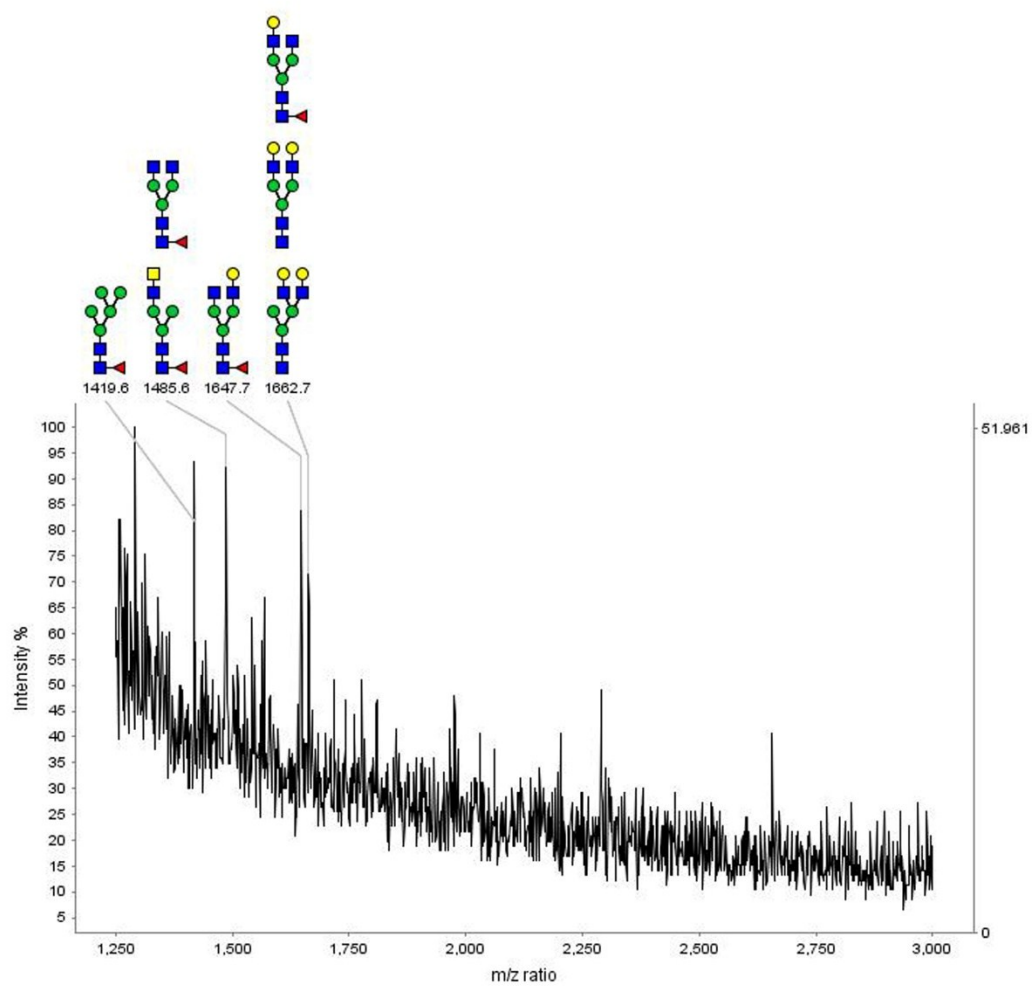


Fig. S3 MALDI-TOF MS spectra of N-glycans releasing from glycoproteins of human plasma by direct analysis