

Supplementary Material for

Improved Procedure for Direct Coupling of Carbohydrates to Proteins via Reductive Amination

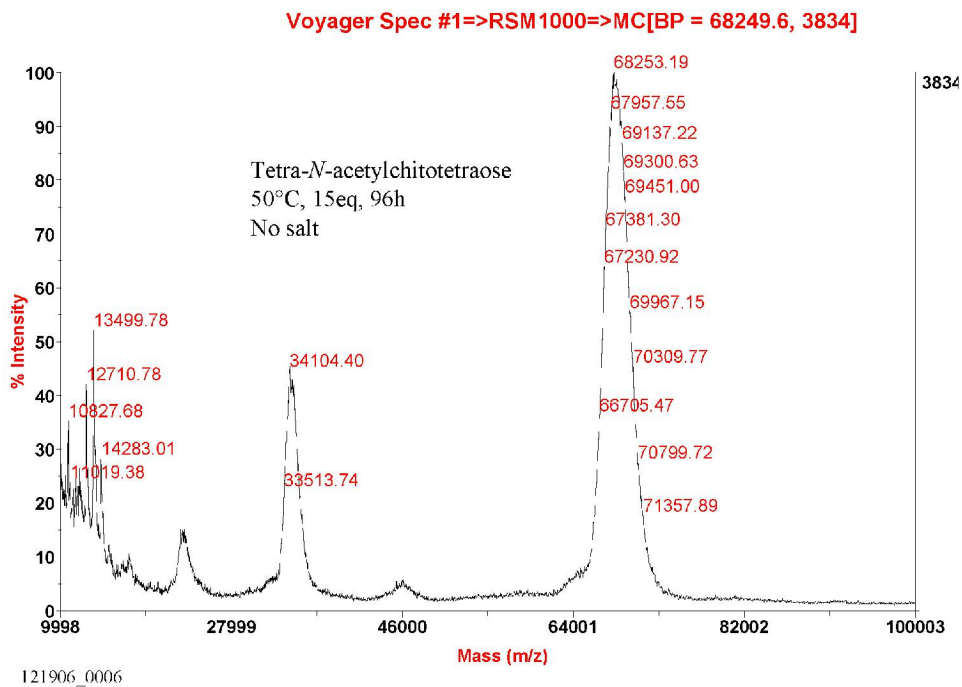
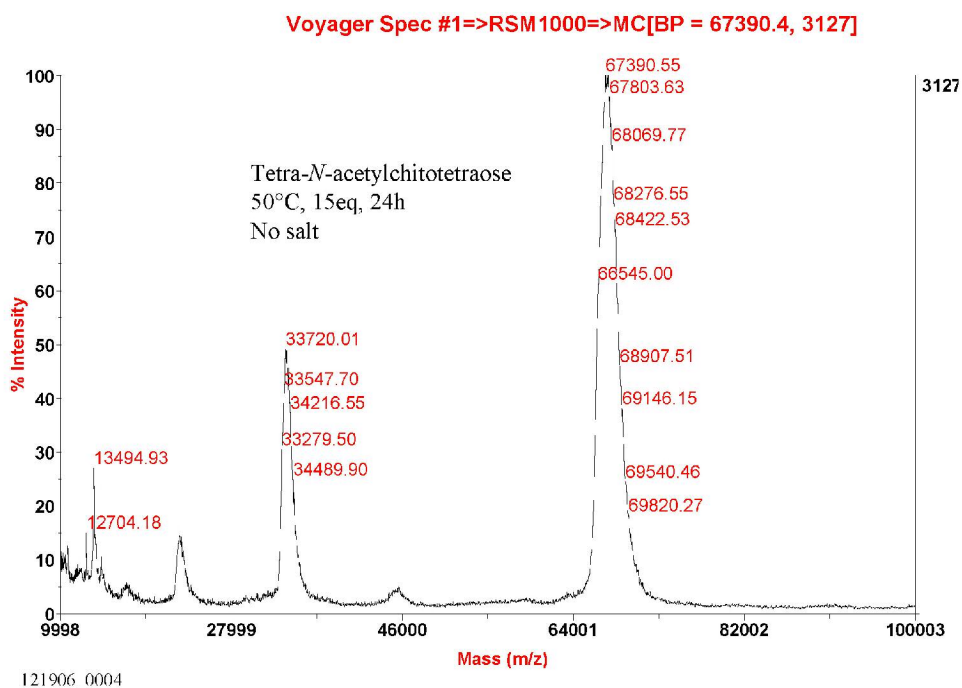
*Jeffrey C. Gildersleeve^{*1}, Oyindasola Oyelaran¹, John T. Simpson² Benjamin Allred¹*

¹Laboratory of Medicinal Chemistry, Center for Cancer Research, National Cancer Institute, NIH, 376 Boyles St., Building 376, Room 109, Frederick, MD 21702; ²Protein Chemistry Laboratory, Advanced Technology Program, SAIC – Frederick, Inc., NCI – Frederick, Frederick, MD 21702, USA

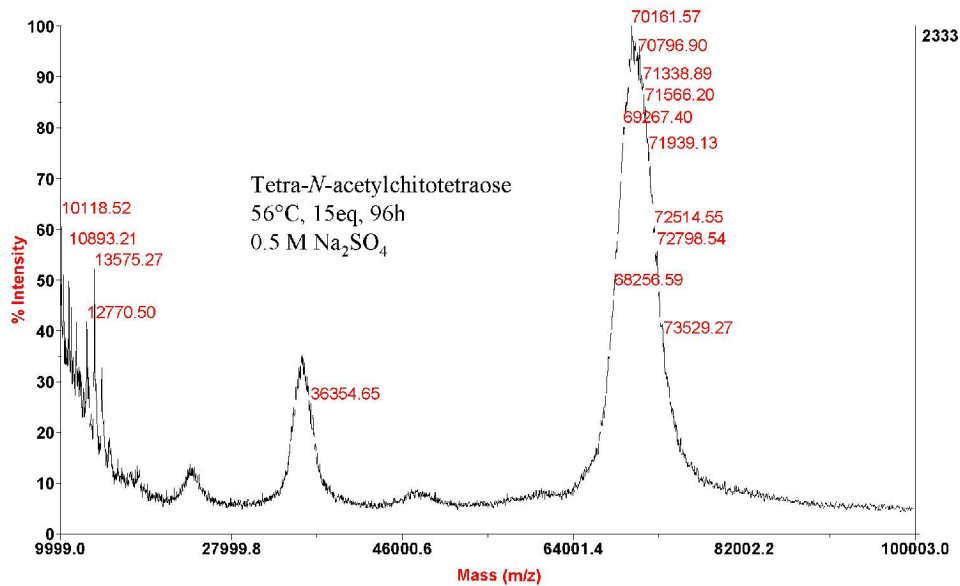
*To whom correspondence should be addressed. Email: gildersleevej@ncifcrf.gov

MALDI TOF MS data for coupling of tetra-*N*-acetylchitotetraose to BSA under various conditions

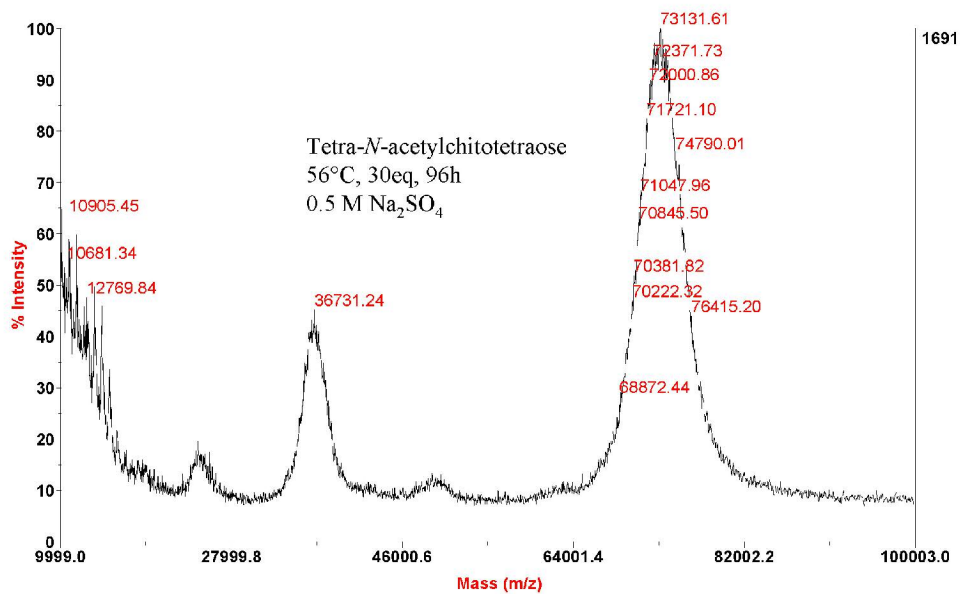
The molecular weight of BSA is 66431.

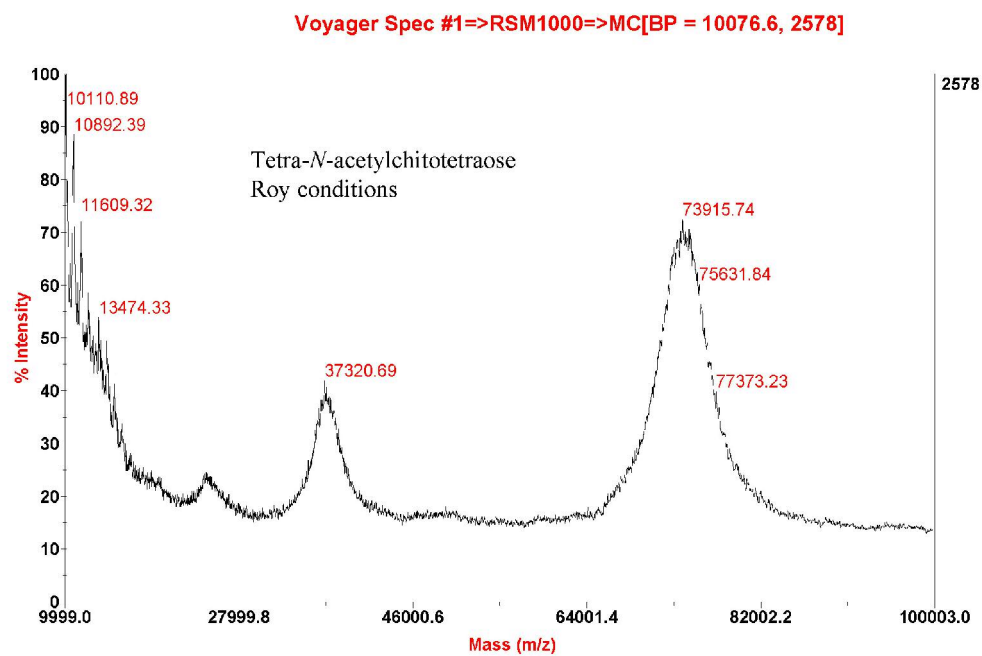


Voyager Spec #1=>RSM1000=>MC[BP = 70152.5, 2334]

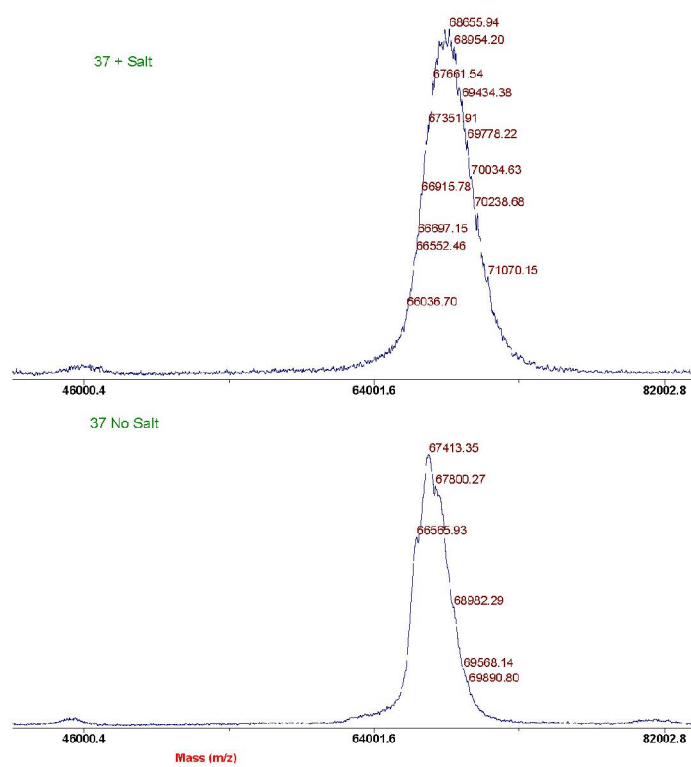


Voyager Spec #1=>RSM1000=>MC[BP = 73141.5, 1691]



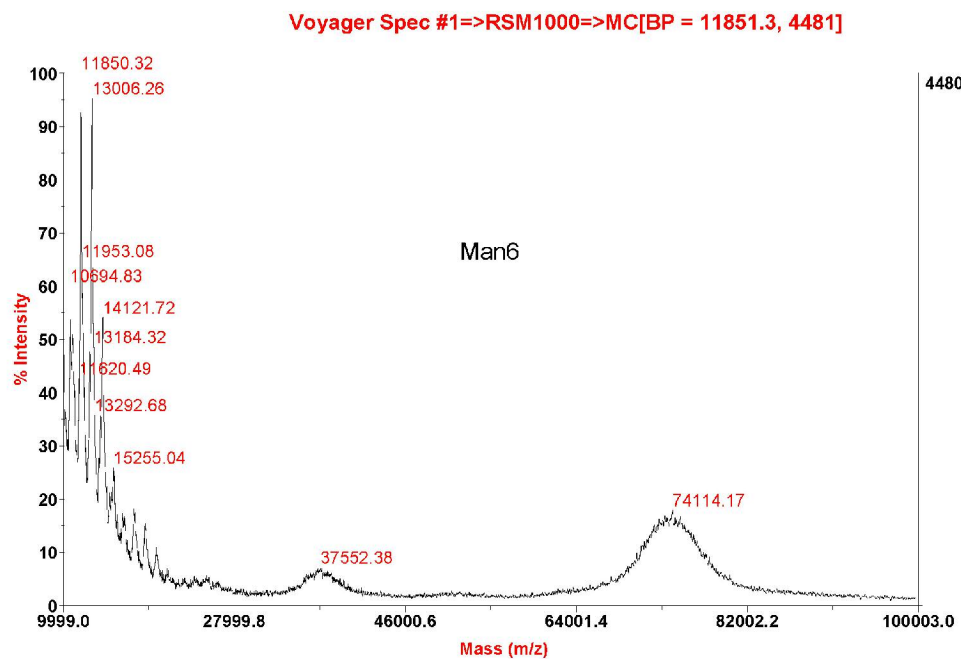
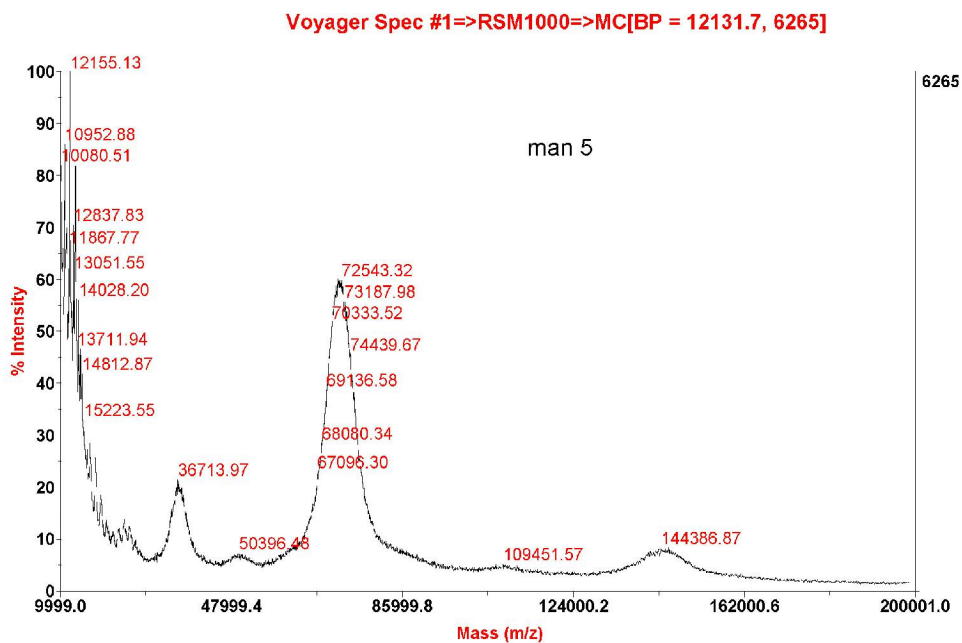


Comparison of reductive amination at 37 °C with or without 0.5M sodium sulfate

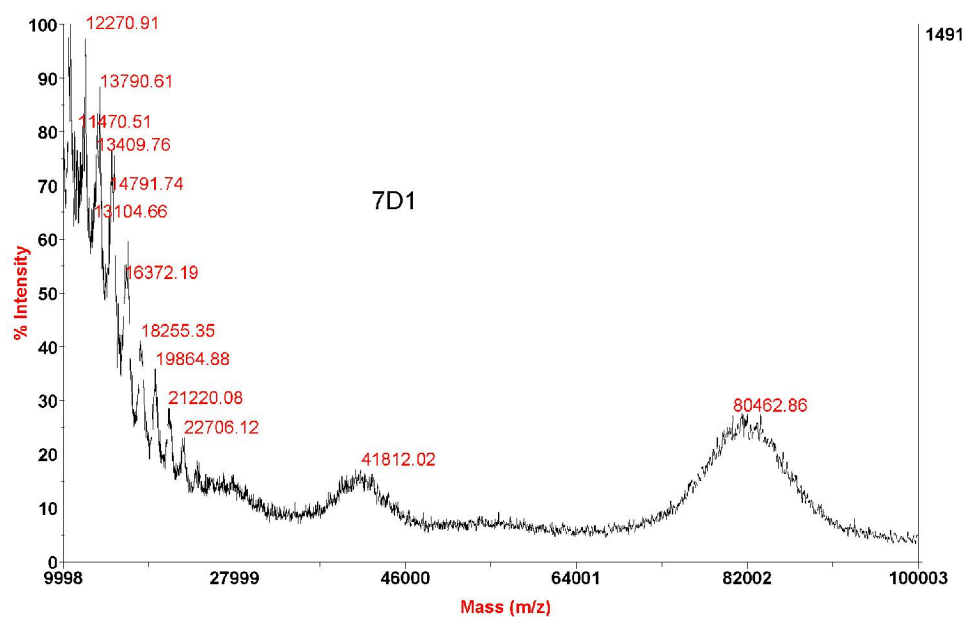


022808_0003

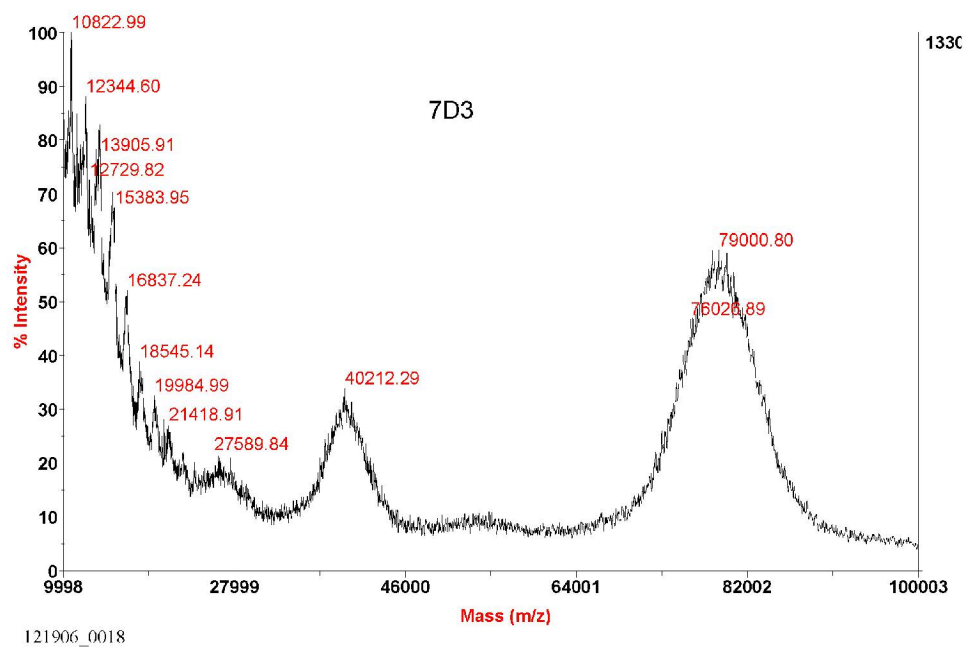
MALDI TOF MS data for coupling of various high mannose oligosaccharides to BSA under the optimized conditions



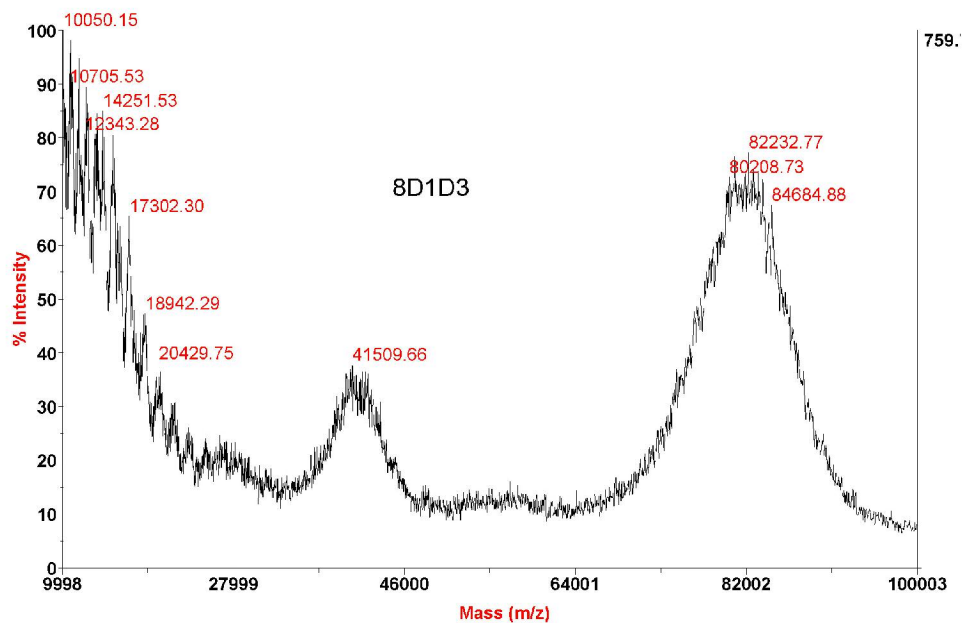
Voyager Spec #1=>RSM1000=>MC[BP = 9919.9, 1505]



Voyager Spec #1=>RSM1000=>MC[BP = 10823.5, 1330]



Voyager Spec #1=>RSM1000=>MC[BP = 9943.6, 765]



121906_0019

Voyager Spec #1=>RSM1000=>MC[BP = 12526.1, 2781]

