

Ludger

reconstituted vial briefly before use. Ensure that any glass, plasticware or solvents used are free of glycosidases and environmental carbohydrates.

Safety: This product is non-hazardous and has been purified from natural sources certified to be free of all hazardous material including pathogenic biological agents.

For research use only. Not for human or drug use

Related Products

Ludger Cat. No.	Description
CN-A2F-x	A2F Glycan (di-sialylated parent of NA2F glycan)
CN-A1F-x	A1x Glycan (mono-sialylated parent of NA2F glycan)
CN-NGA2F-x	NGA2F Glycan (a substructure of NA2F glycan)
CN-M3N2F-x	M3N2F Glycan (a substructure of NGA2F glycan)

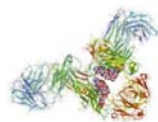
Warranties and liabilities

Ludger warrants that the above product conforms to the attached analytical documents. Should the product fail for reasons other than through misuse Ludger will, at its option, replace free of charge or refund the purchase price. This warranty is exclusive and Ludger makes no other warrants, expressed or implied, including any implied conditions or warranties of merchantability or fitness for any particular purpose.

Ludger shall not be liable for any incidental, consequential or contingent damages.

This product is intended for *in vitro* research only.

Document # 'CN-NA2F-Guide', revision # 1.3



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Certificate of Analysis

NA2F Glycan

Cat. #s: CN-NA2F-10U (10 µg) and CN-NA2F-20U (20µg)

Lot # : A659-01

Purity: > 90% pure as assessed by a combination of HPLC (see Fig 1) and ¹H-NMR (see Fig 2).

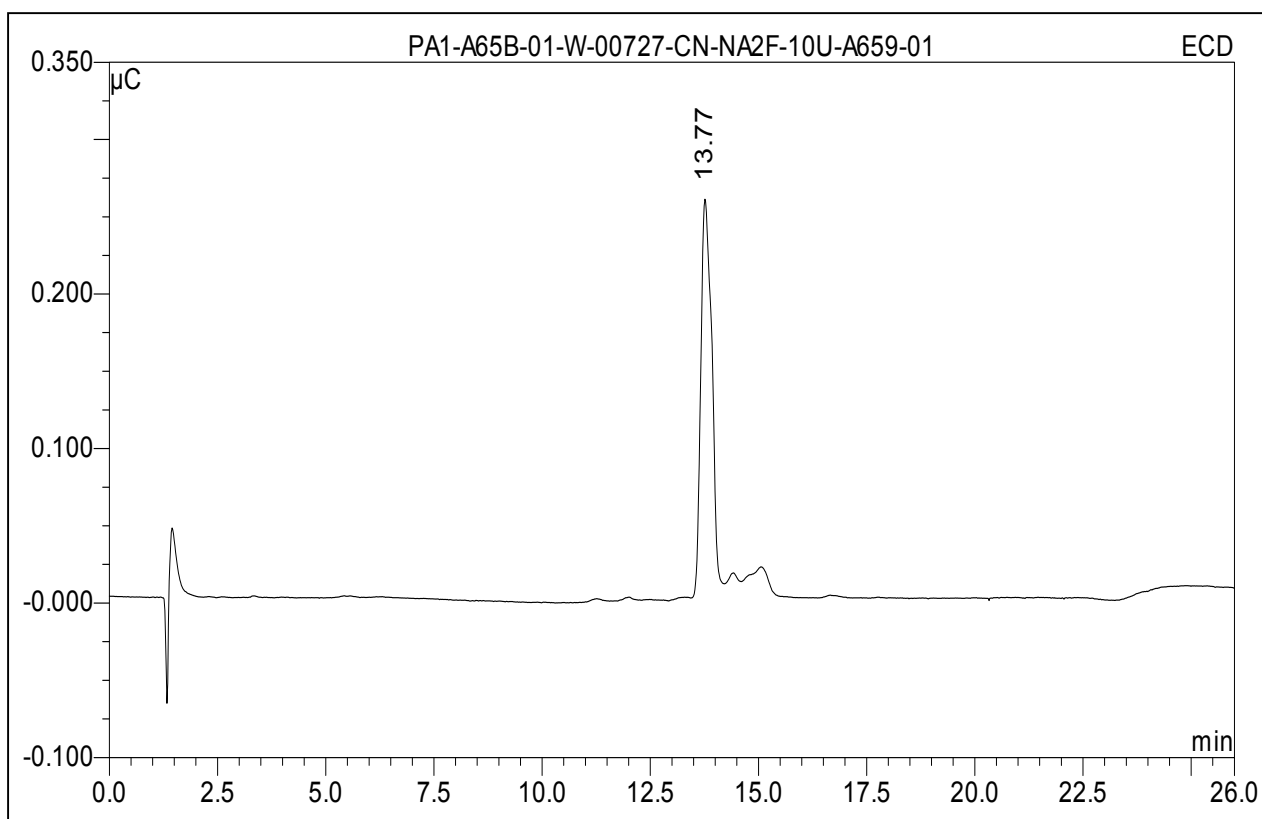
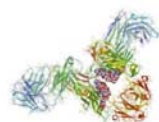


Figure 1 : HPAE-PAD HPLC Profile of NA2F Glycan (Cat. No.CN-NA2F-10U, Lot No. A659-01)



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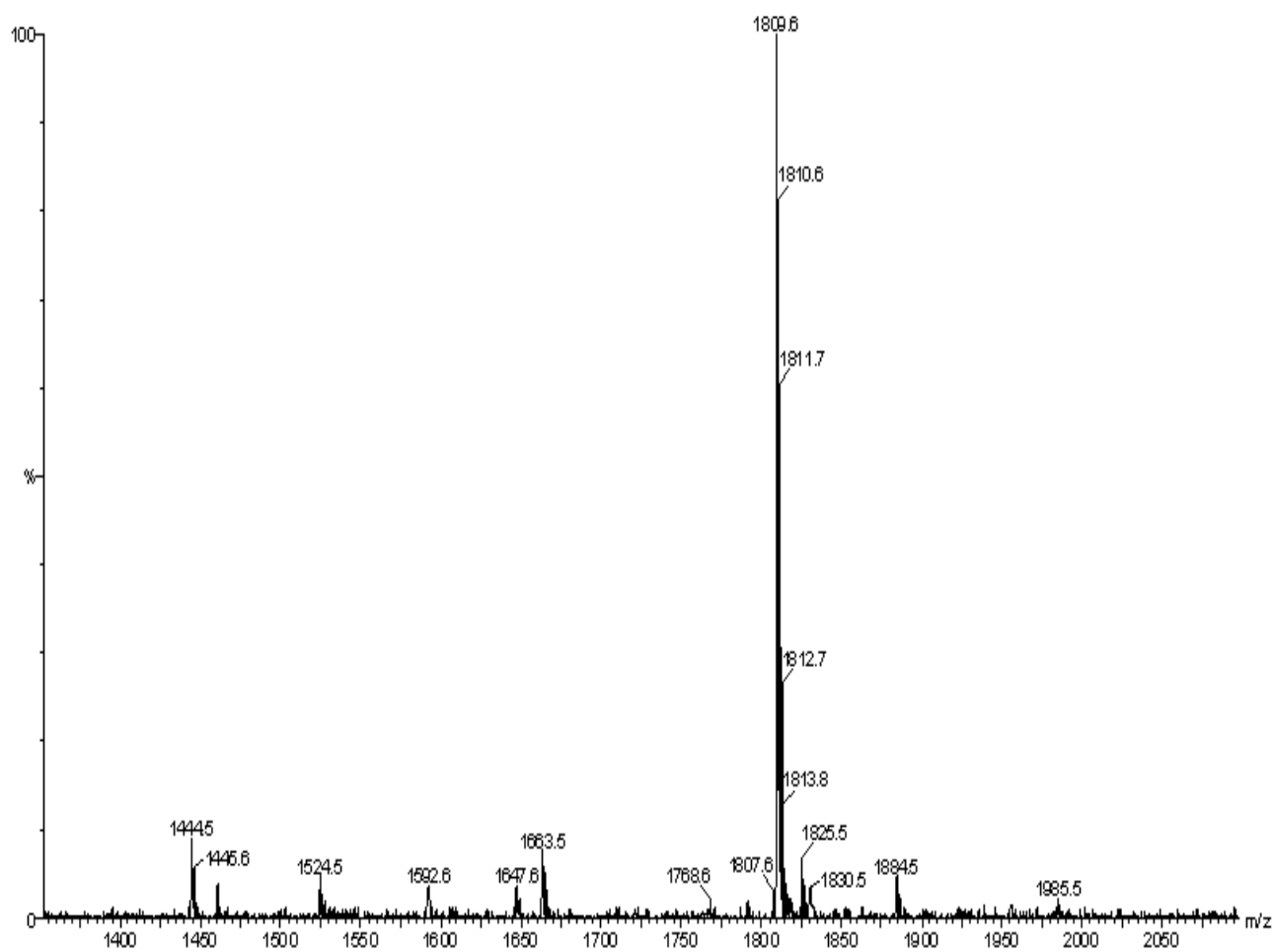
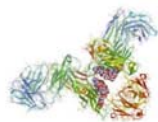


Figure 2 : 500 MHz ¹H-NMR of NA2F Glycan (Cat. No.CN-NA2F-10U, Lot No. A659-01)



Ludger

Certificate of Analysis

NA2F Glycan

Cat. #s : CN-NA2F-10U (10 µg) and CN-NA2F-20U (20 µg)

Lot # : A7AG-01

Purity: > 90% pure as assessed by a combination of HPAE-PAD (see Fig 1) and NMR (see Fig 2).

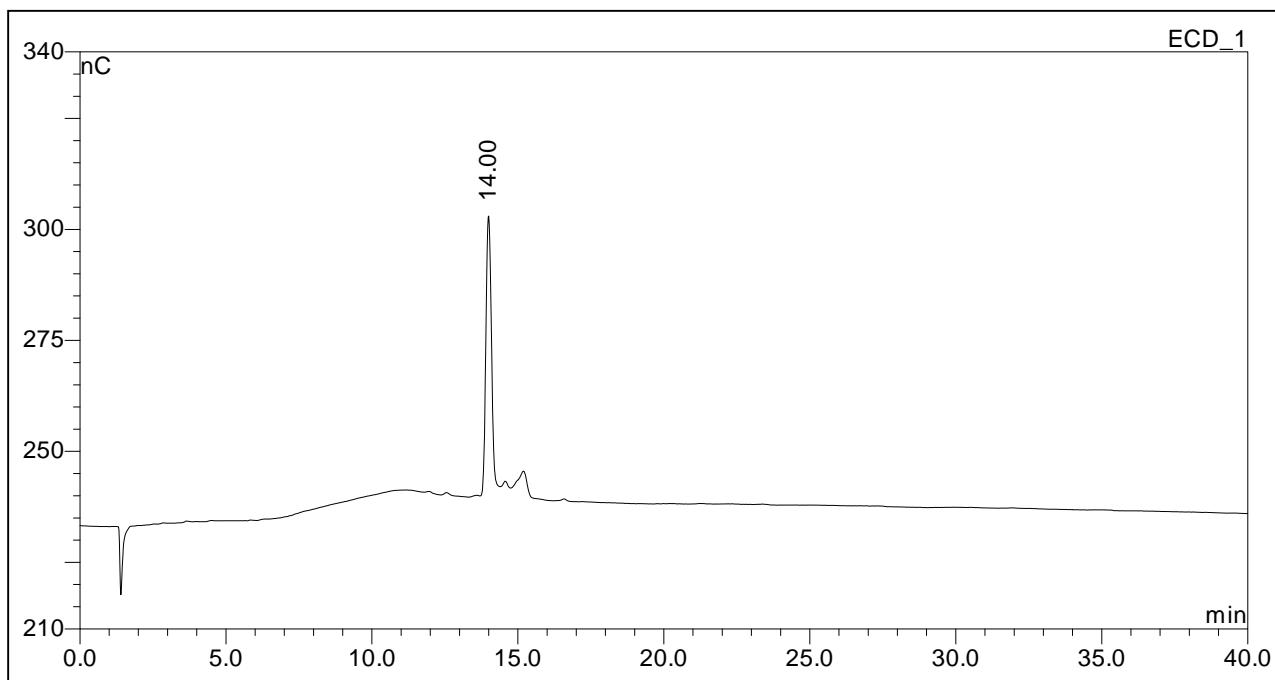


Figure 1 : HPAE-PAD HPLC Profile of NA2F glycan (CN-NA2F-10U, Lot A7AG-01)

CN-NA2F (06/73)
Collision energy: 0
Focus: 16000, Source: 20000, Extraction: 19950, Pulse:3000
060198 4 (0.283) Sb (99,50.00); Sm (SG, 2x2.00); Cm (1:6)

6-MAR-2006, 14:36:40
Target spot: 24
Laser course: 50, Fine: 40
TOF LD+
3.28e3

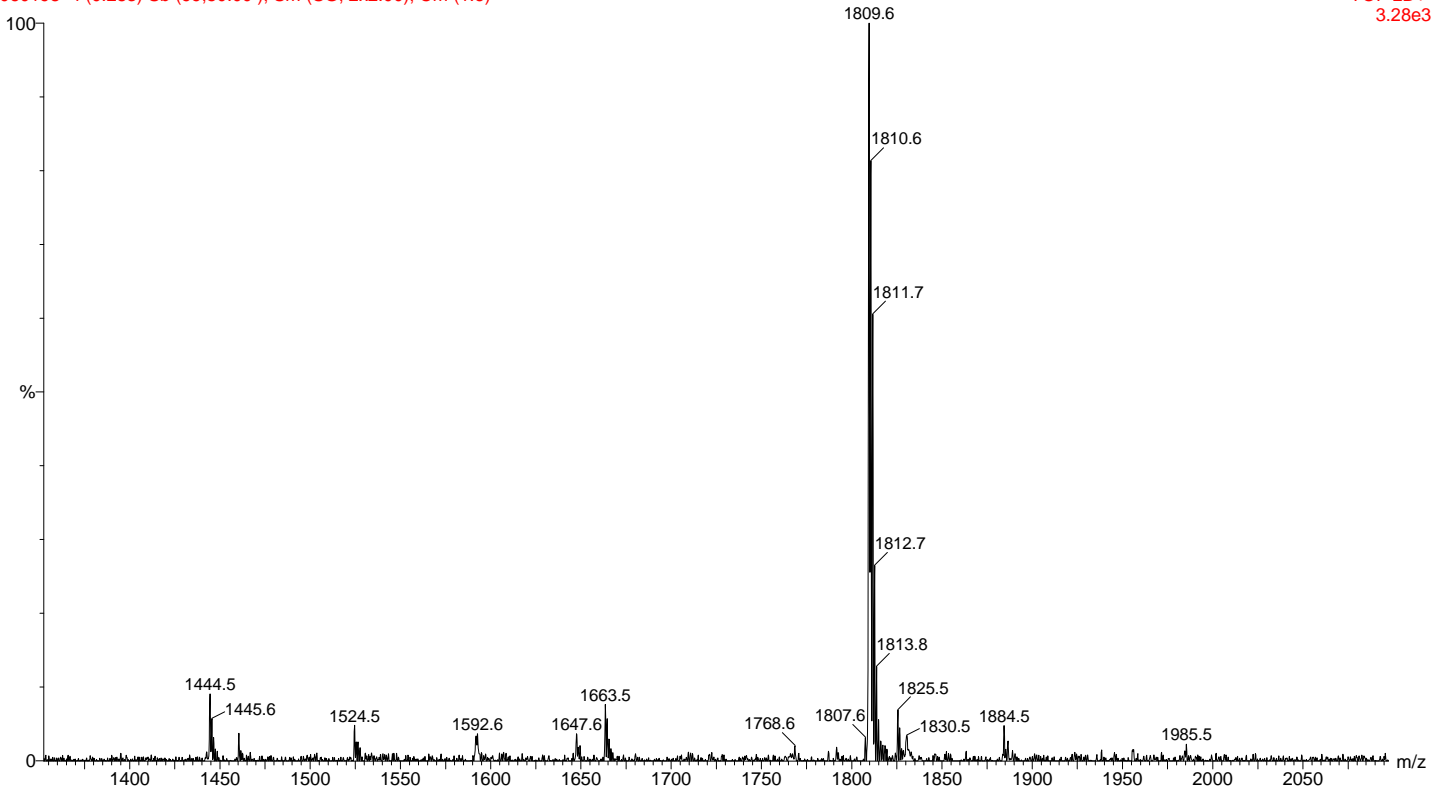


Figure 2: 500MHz ¹H-NMR of NA2F glycan Bulk material used for A7AG-01





Certificate of Analysis

NA2F Glycan

Cat. #s : CN-NA2F-10U (10 µg) and CN-NA2F-20U (20 µg) Lot # : A7BT-01

Purity: > 90% pure as assessed by a combination of HPAE-PAD (see Fig 1) and NMR (see Fig 2).

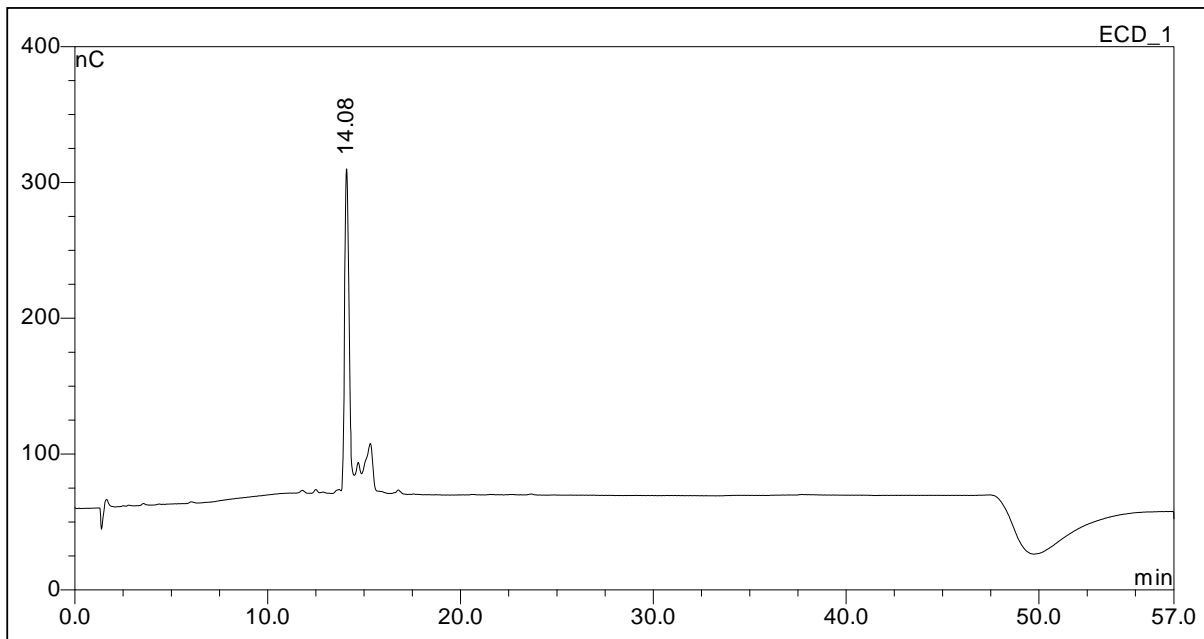


Figure 1 : HPAE-PAD HPLC Profile of NA2F glycan (CN-NA2F-10U, Lot A7BT-01)

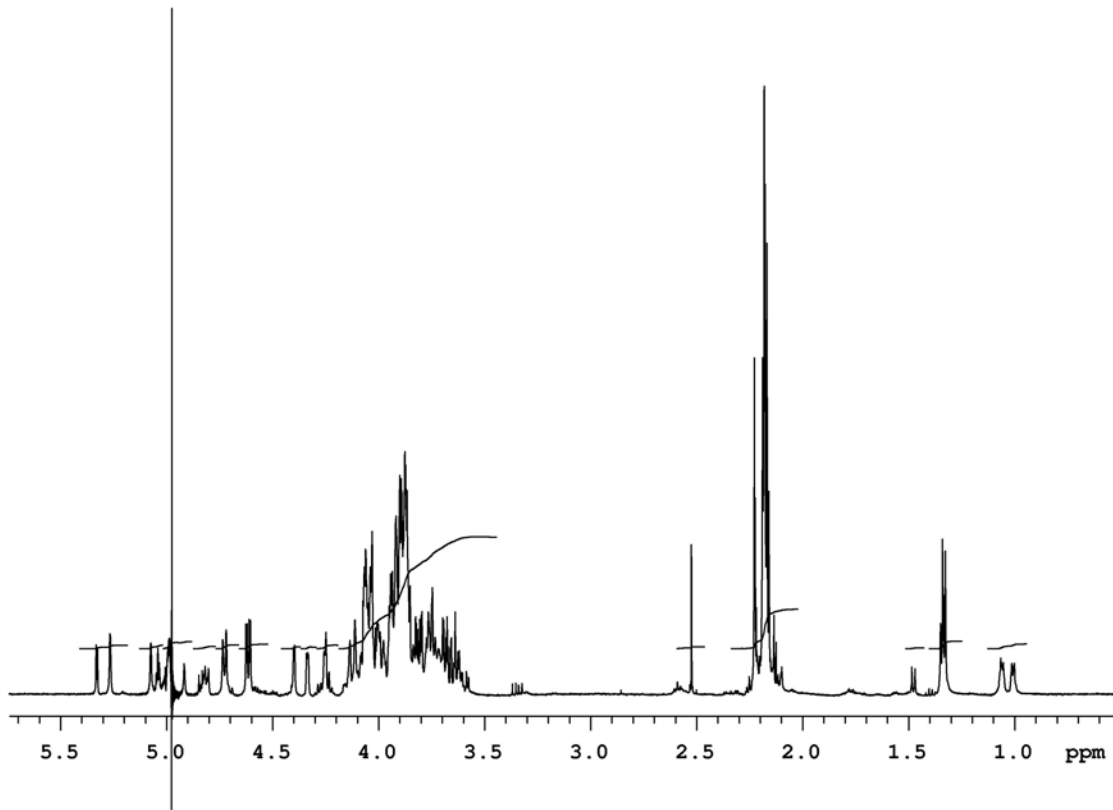


Figure 2: 500MHz ¹H-NMR of NA2F glycan Bulk material used for A7BT-01

CN-NA2F (06/73)
 Collision energy: 0
 Focus: 16000, Source: 20000, Extraction: 19950, Pulse:3000
 060198 4 (0.283) Sb (99,50.00); Sm (SG, 2x2.00); Cm (1:6)

6-MAR-2006, 14:36:40
 Target spot: 24
 Laser course: 50, Fine: 40
 TOF LD+
 3.28e3

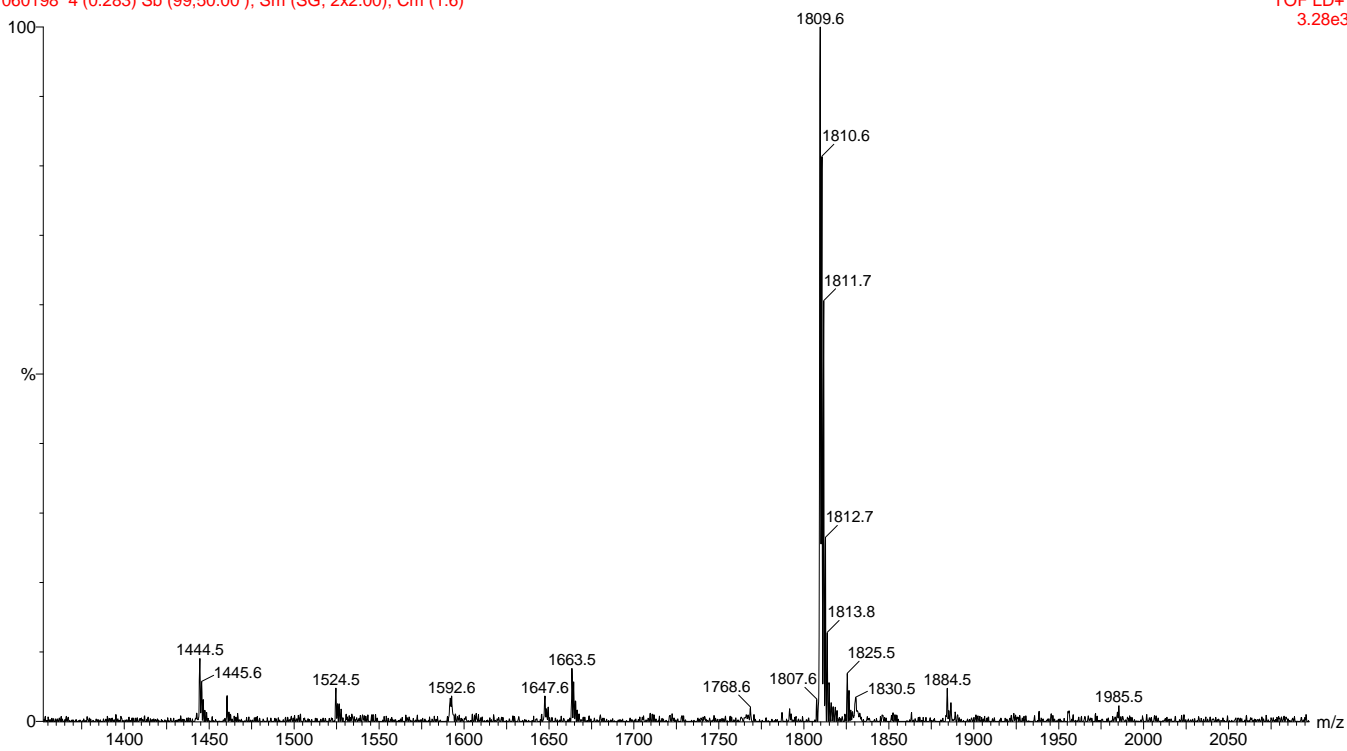


Figure 3: Mass Spec of NA2F glycan Bulk material used for A7BT-01