

Fig. 1

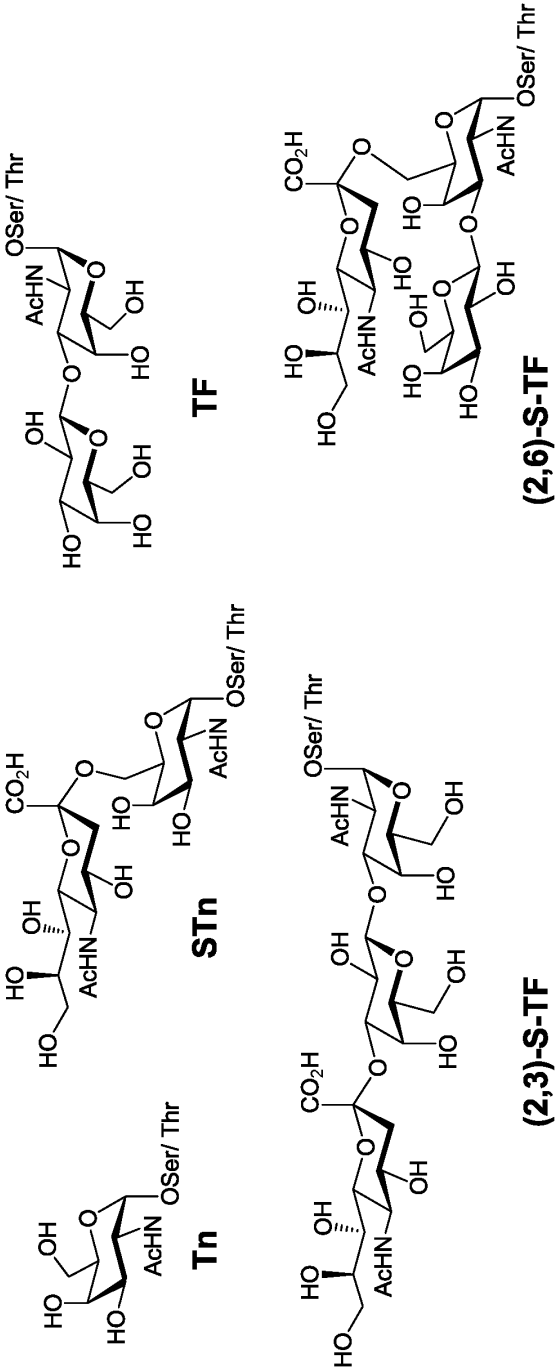
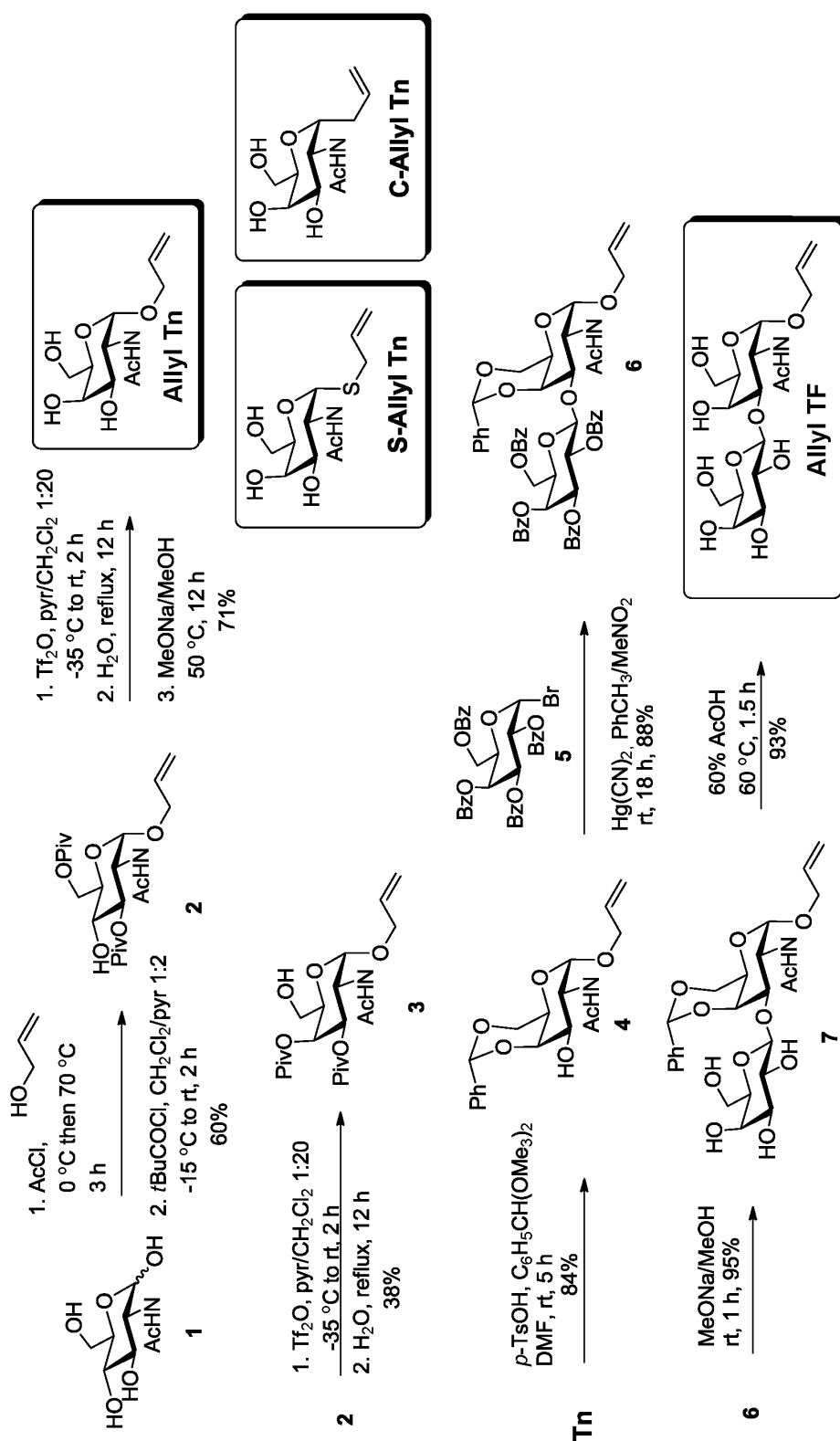


Fig. 2



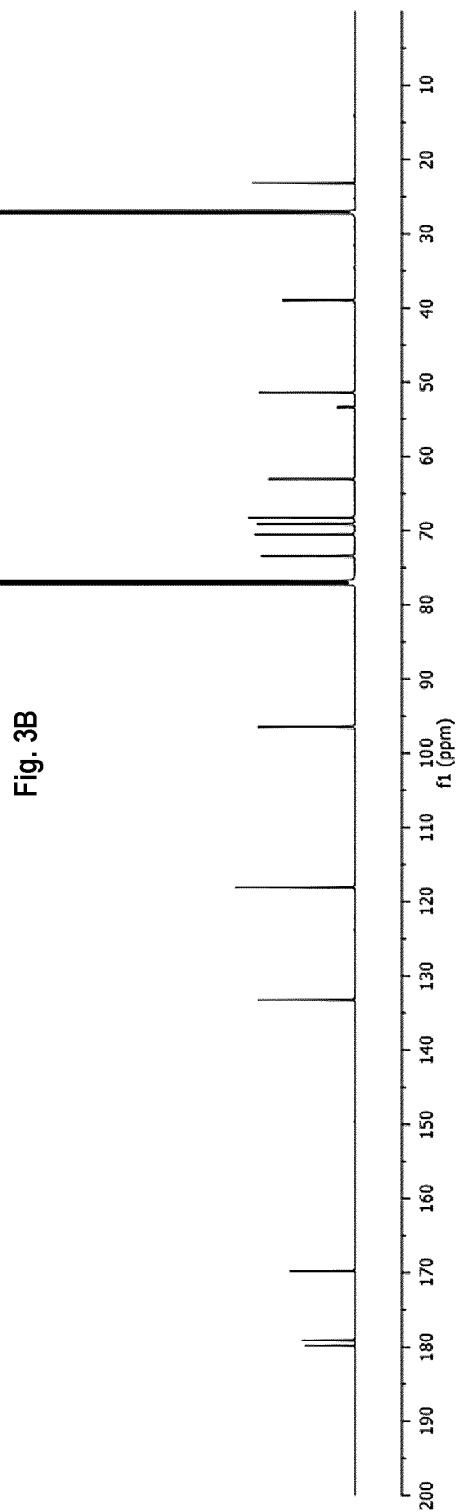
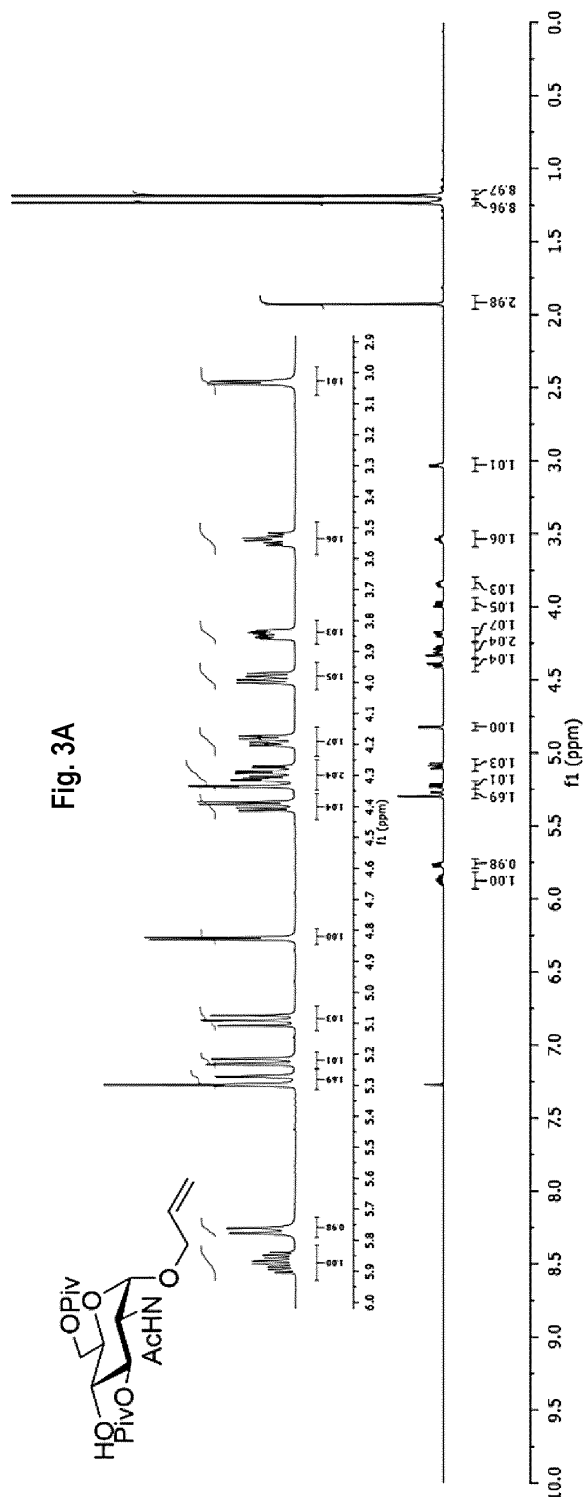


Fig. 3C

Compound Table						
Compound Label	RT	Mass	Abund	Formula	Tgt Mass	Diff (ppm)
Cpd 1: C21 H35 N O8	0.1	429.2372	654630	C21 H35 N O8	429.2363	2.16

Compound Label	RT	Algorithm	Mass
Cpd 1: C21 H35 N O8	0.1	Find By Formula	429.2372

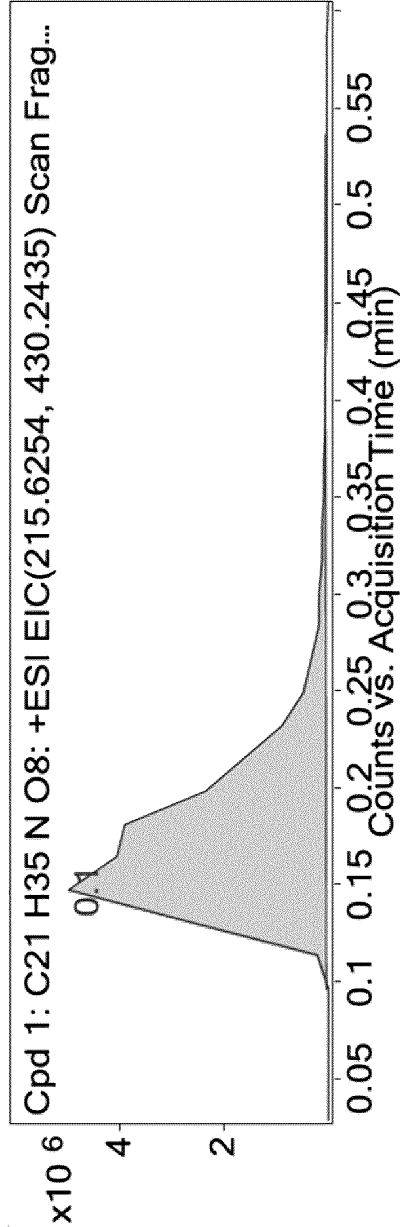
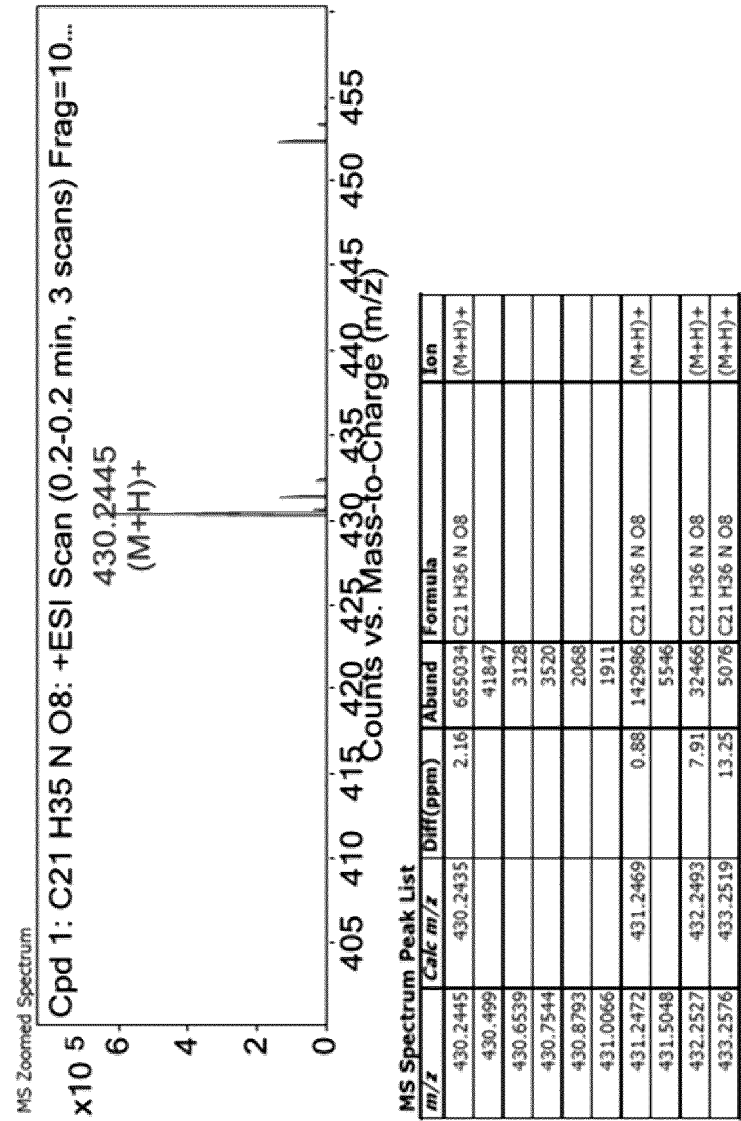


Fig. 3D



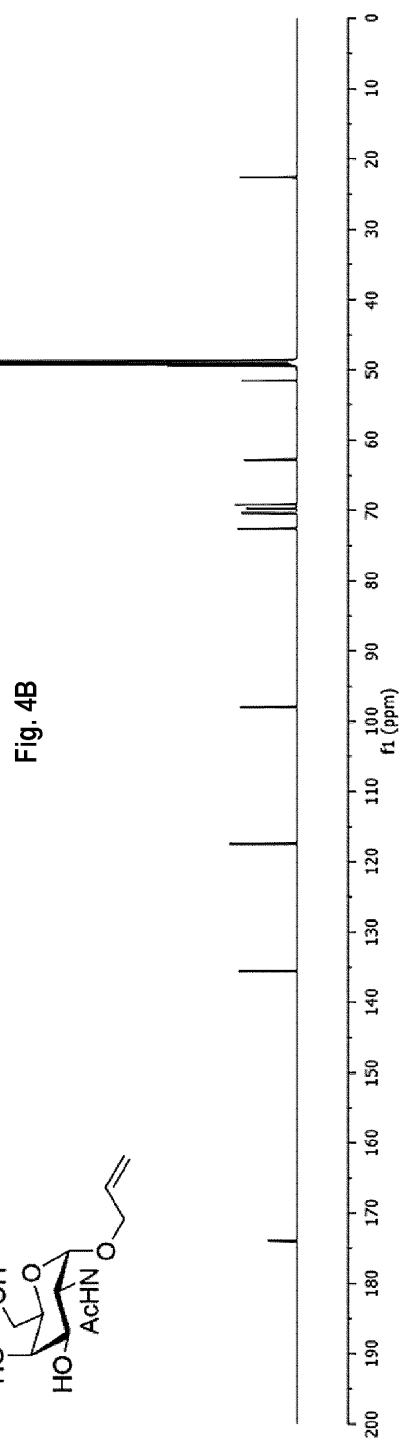
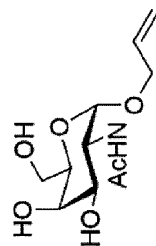
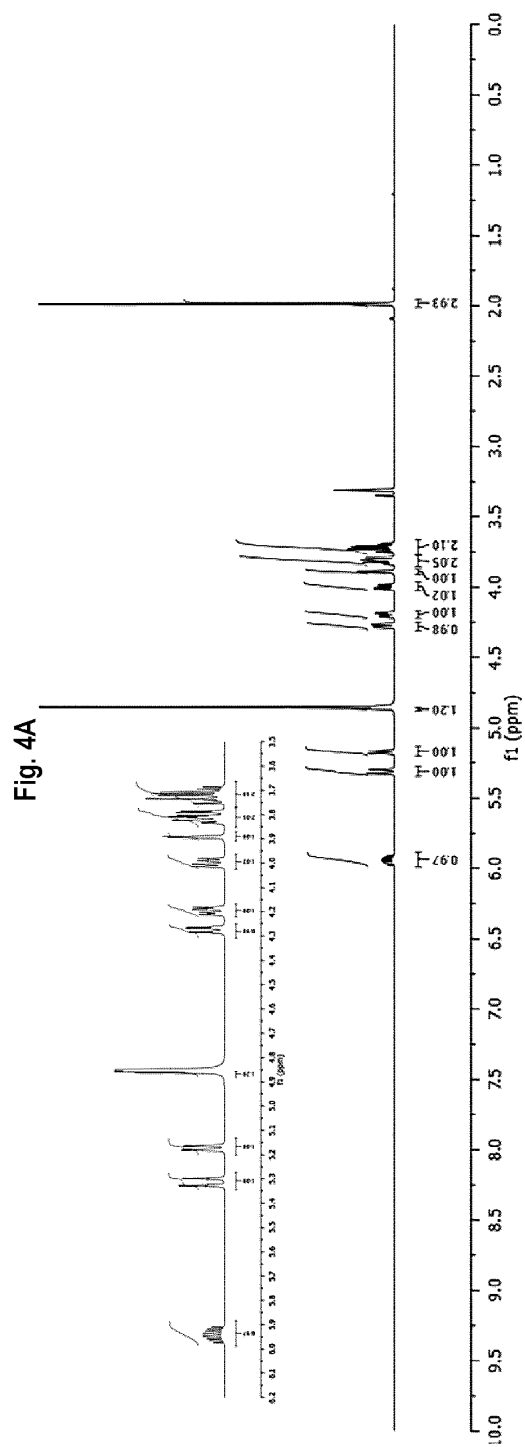


Fig. 4C

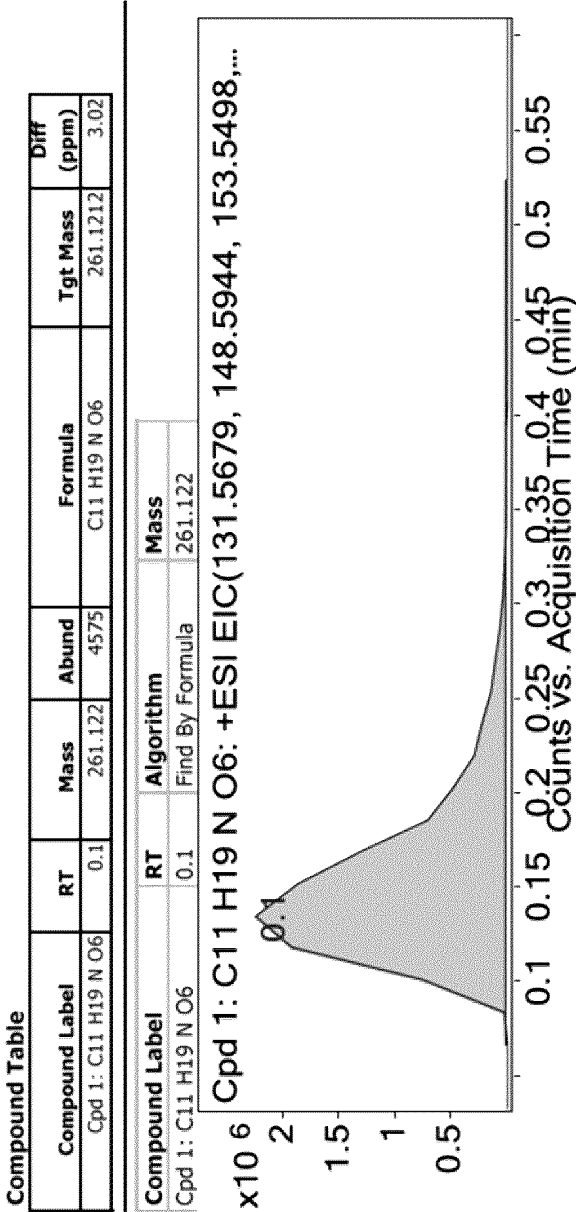
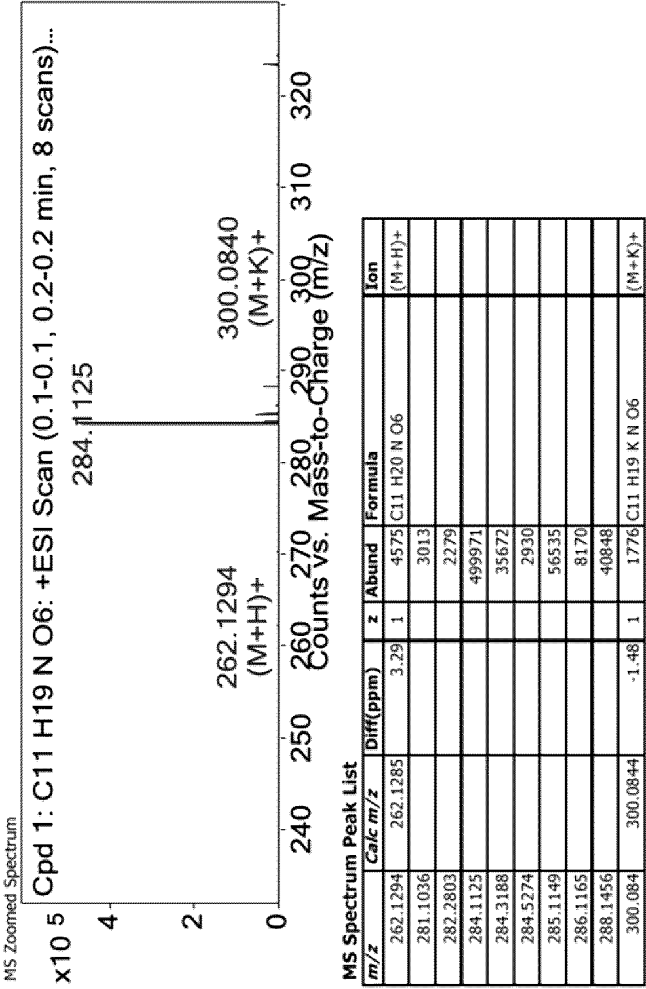


Fig. 4D



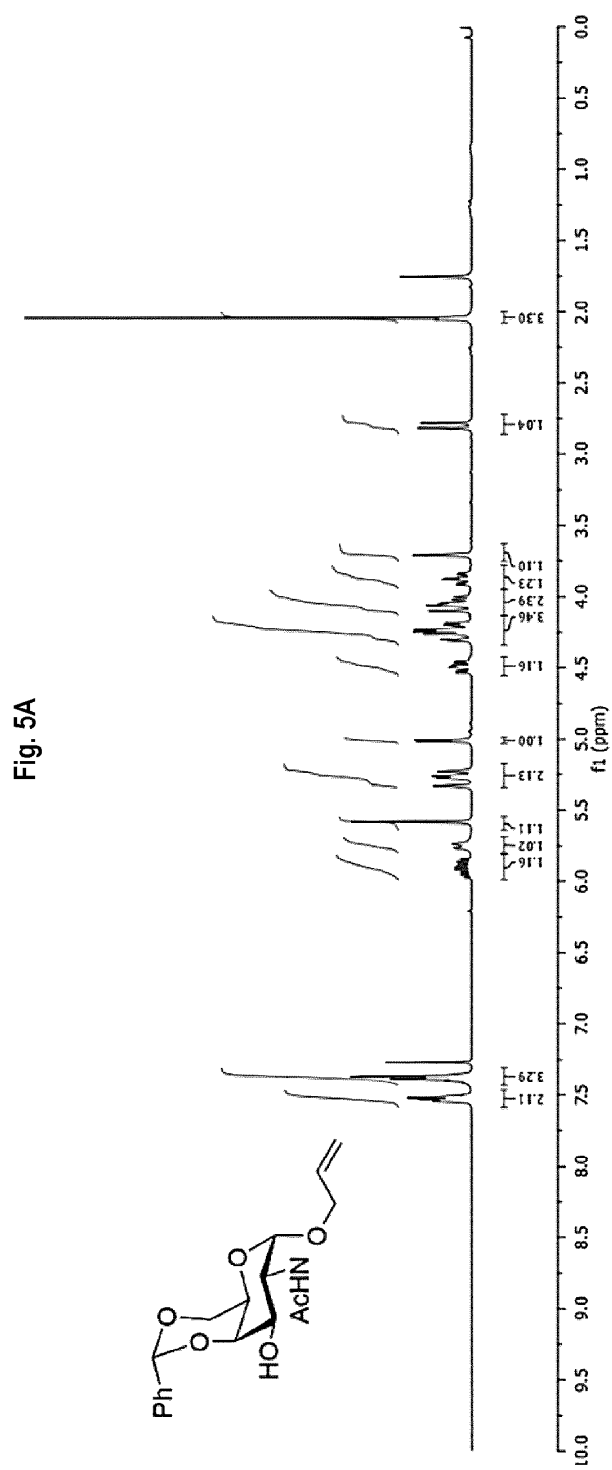


Fig. 5B

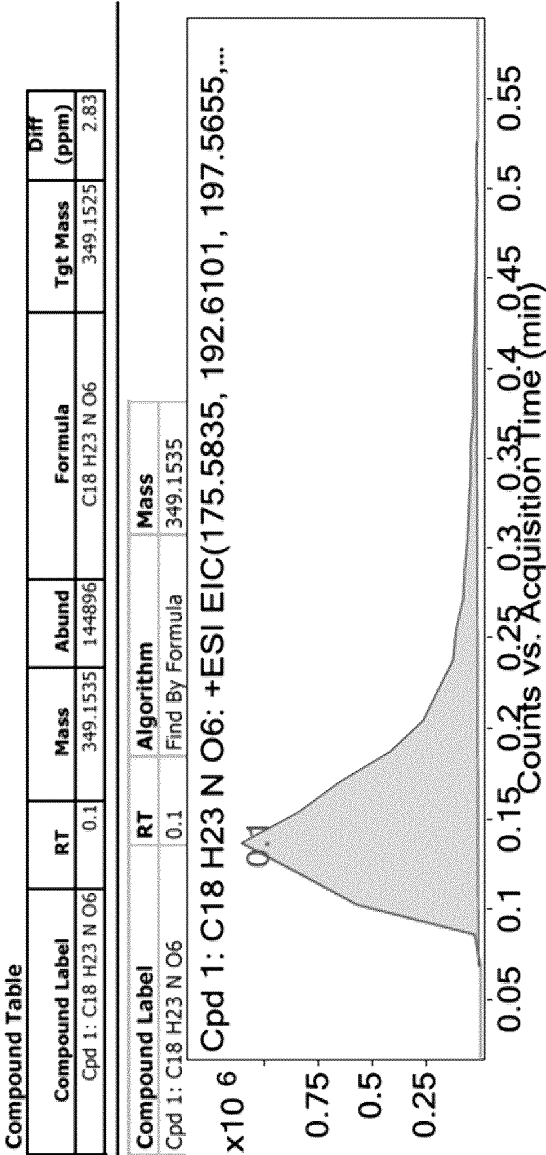


Fig. 5C

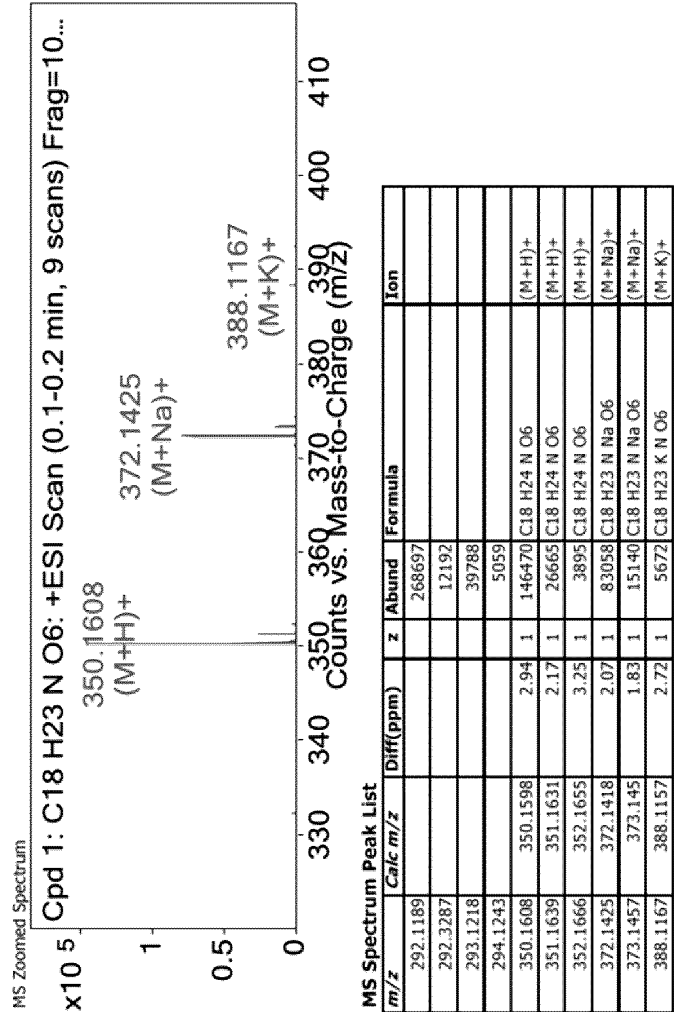


Fig. 6A

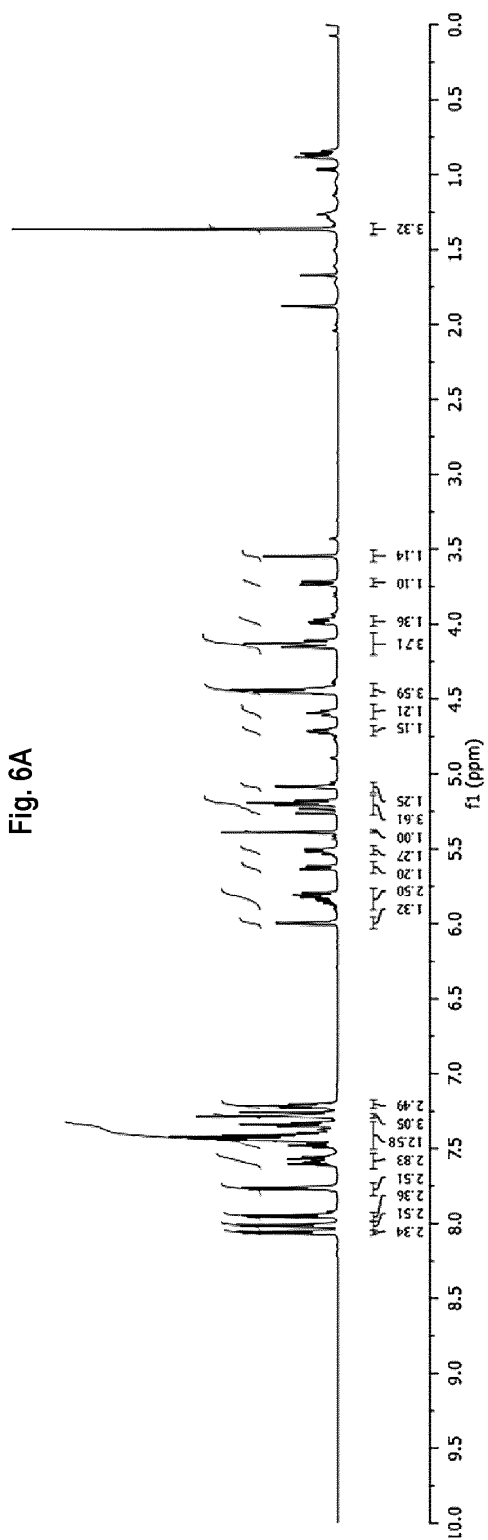


Fig. 6B

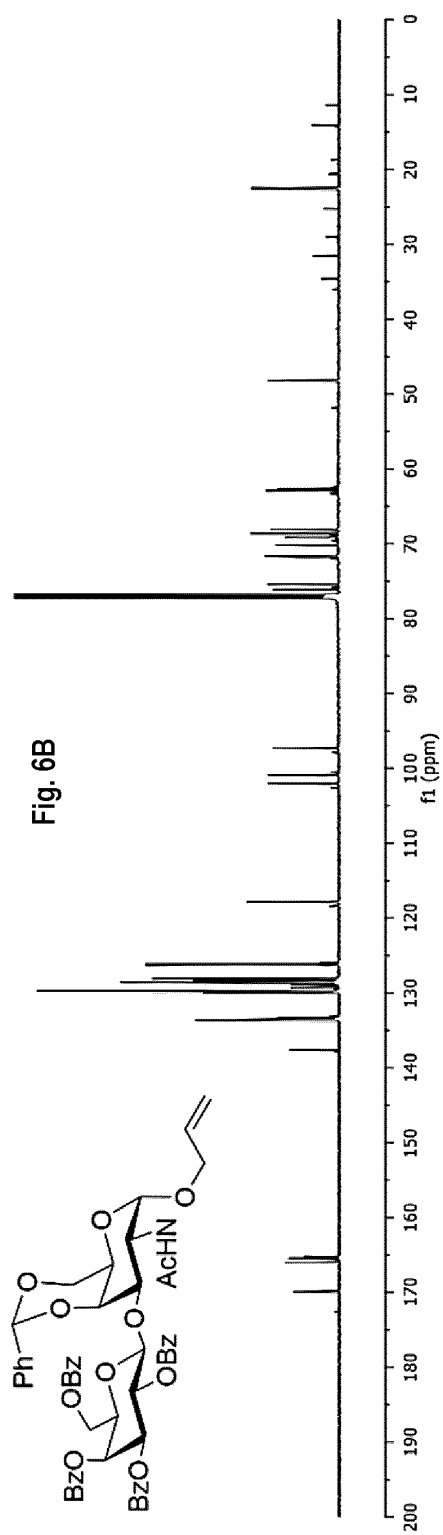


Fig. 6C

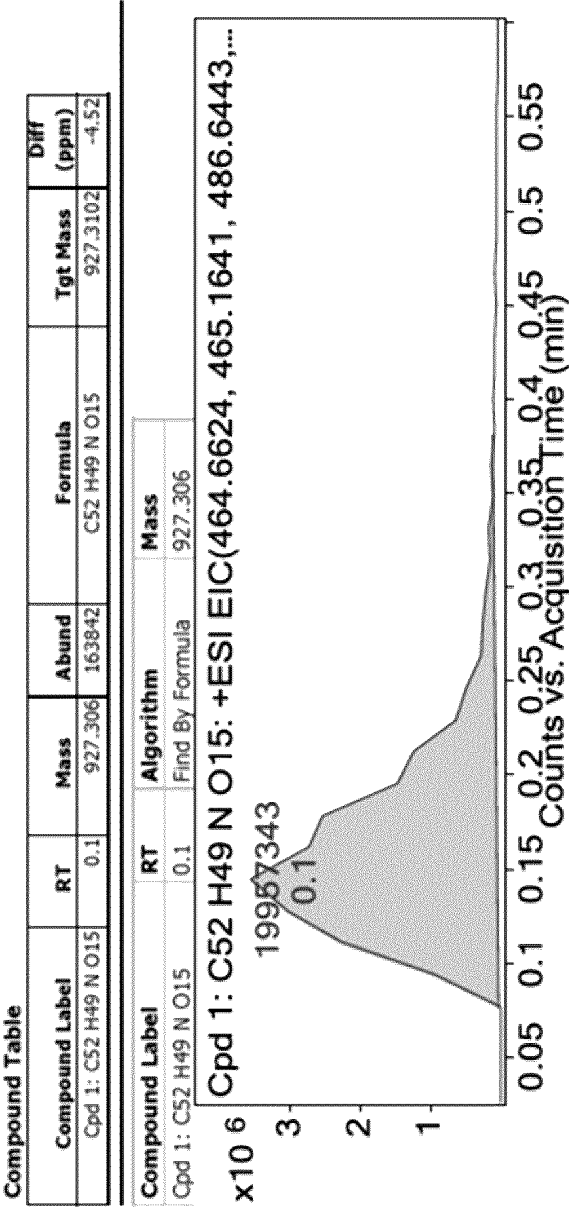


Fig. 6D

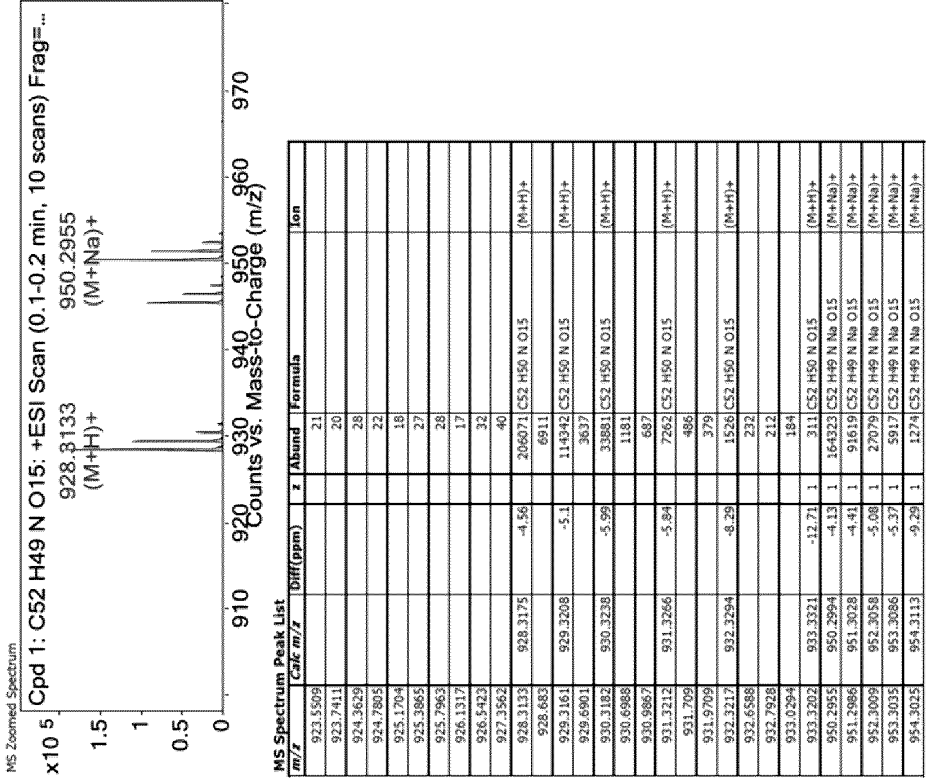


Fig. 7A

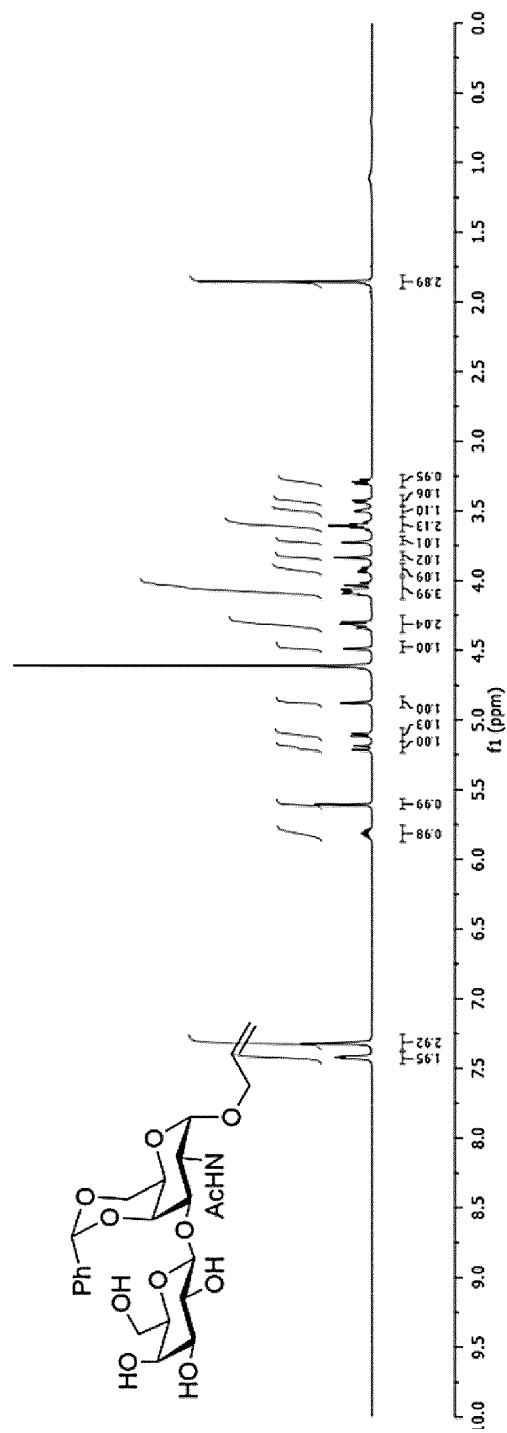


Fig. 7B

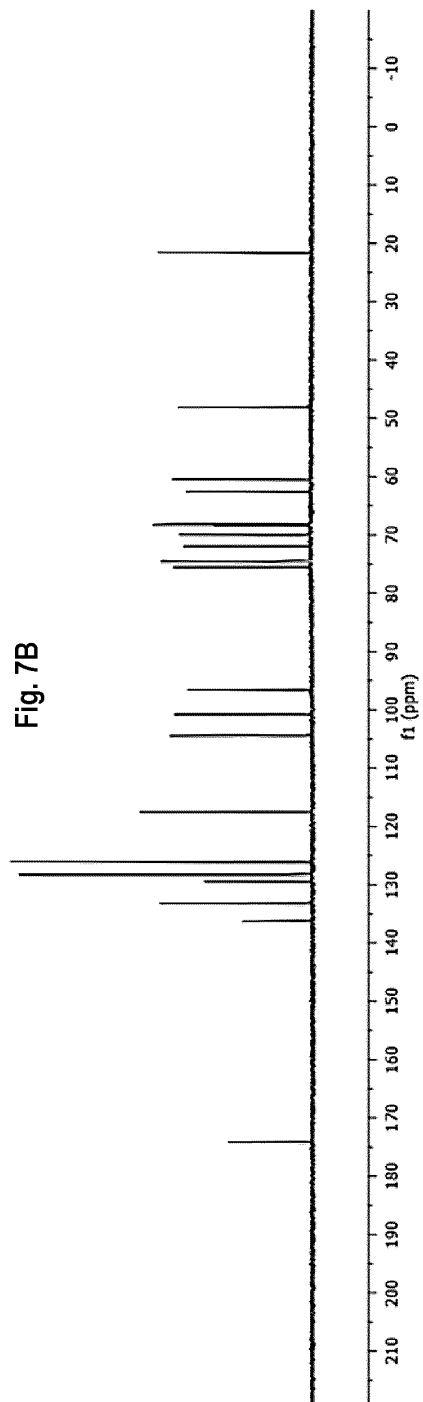


Fig. 7C

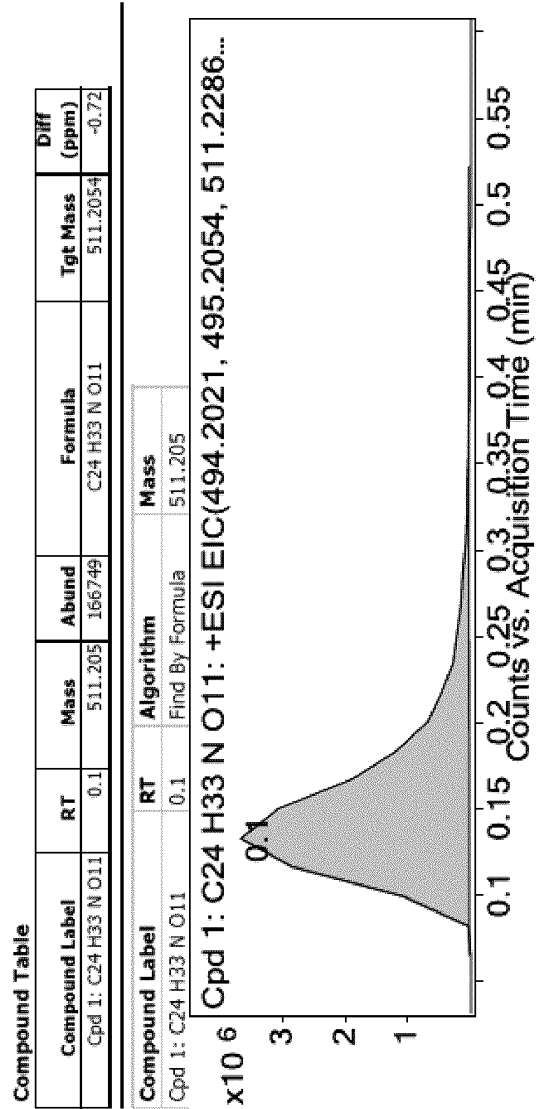
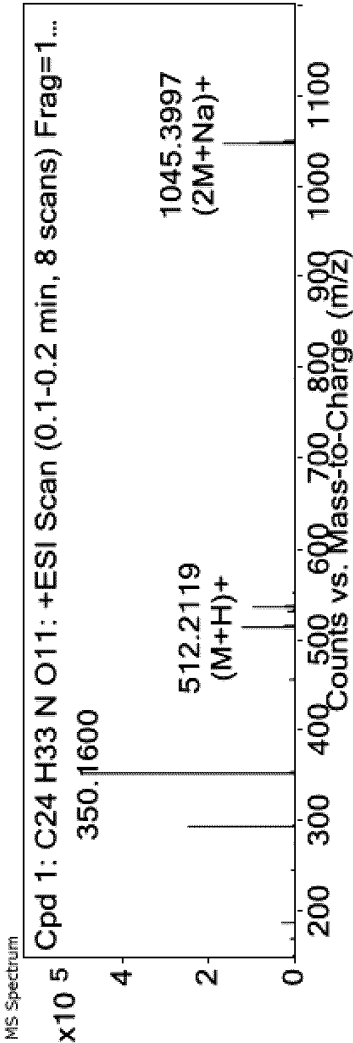


Fig. 7D



MS Spectrum Peak List

m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
350.16				495714		
351.1626				91586		
512.2119	512.2126	-1.39	1	126315	C ₂₄ H ₃₄ N O ₁₁	(M+H) ⁺
529.2383	529.2392	-1.64	1	20391	C ₂₄ H ₃₇ N ₂ O ₁₁	(M+NH ₄) ⁺
534.1943	534.1946	-0.47	1	103350	C ₂₄ H ₃₃ N Na O ₁₁	(M+Na) ⁺
550.1667	550.1685	-3.25	1	6050	C ₂₄ H ₃₃ K N O ₁₁	(M+K) ⁺
1023.4185	1023.418	0.53	1	295	C ₄₈ H ₆₇ N ₂ O ₂₂	(2M+H) ⁺
1040.4393	1040.4445	-5.01	1	1591	C ₄₈ H ₇₀ N ₃ O ₂₂	(2M+NH ₄) ⁺
1045.3997	1045.3999	-0.25	1	171974	C ₄₈ H ₆₆ N ₂ Na O ₂₂	(2M+Na) ⁺
1061.3716	1061.3739	-2.14	1	1026	C ₄₈ H ₆₆ K N ₂ O ₂₂	(2M+K) ⁺

Fig. 8A

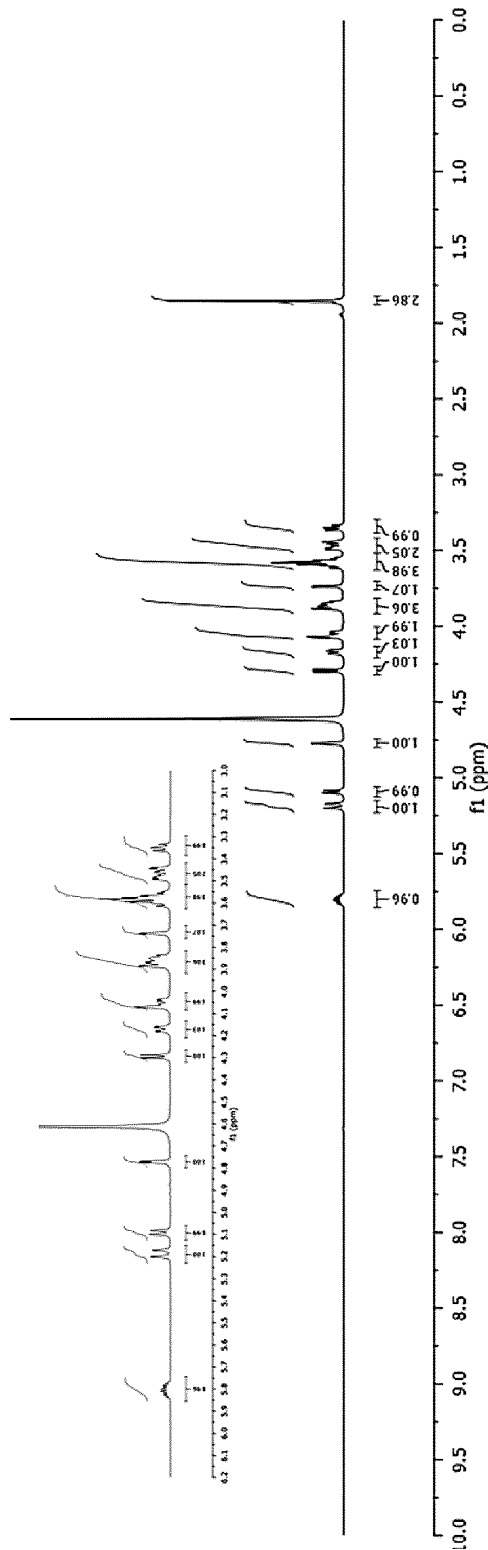


Fig. 8B

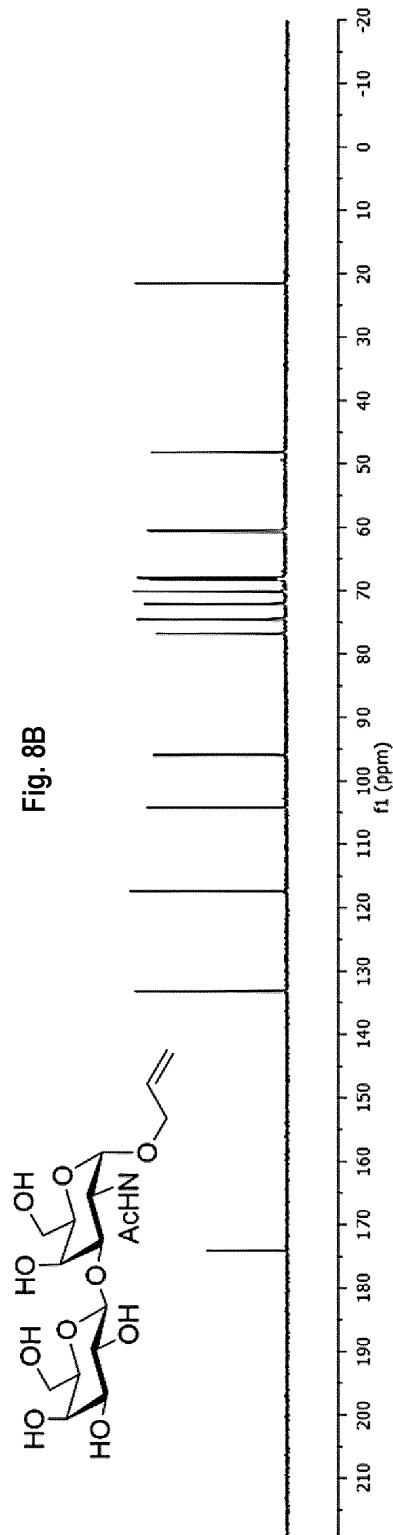


Fig. 8C

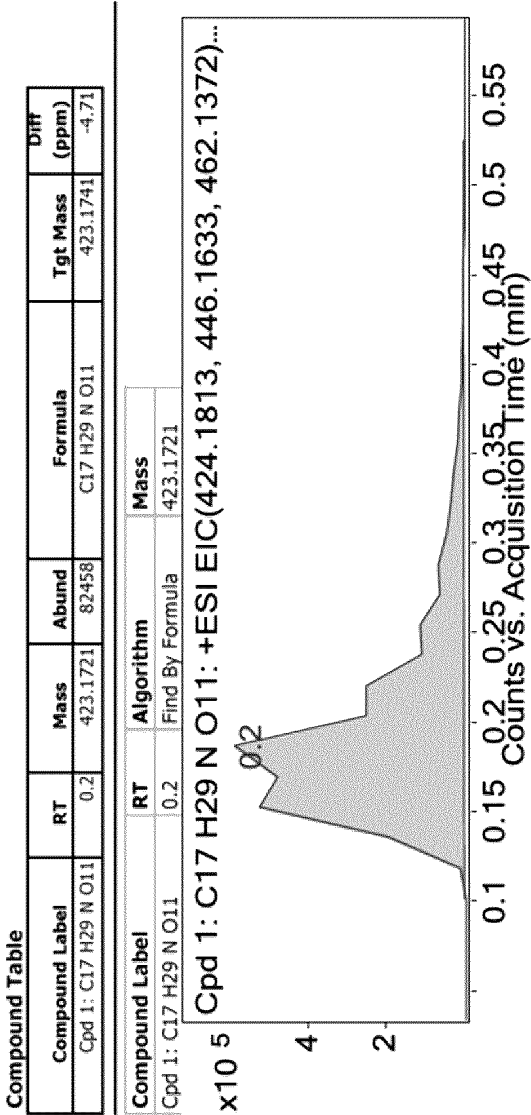


Fig. 8D

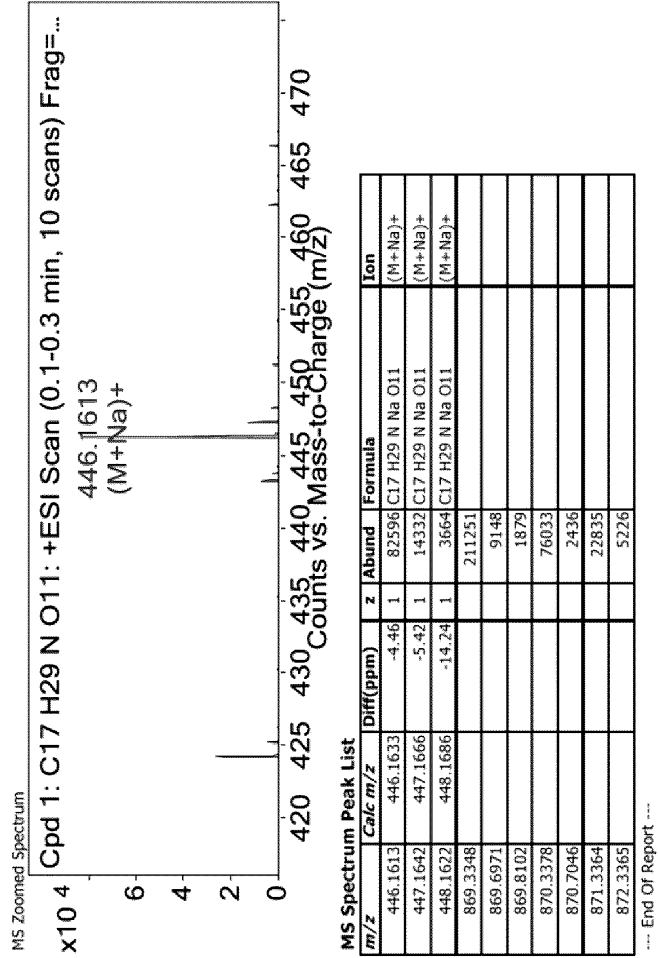


Fig. 9

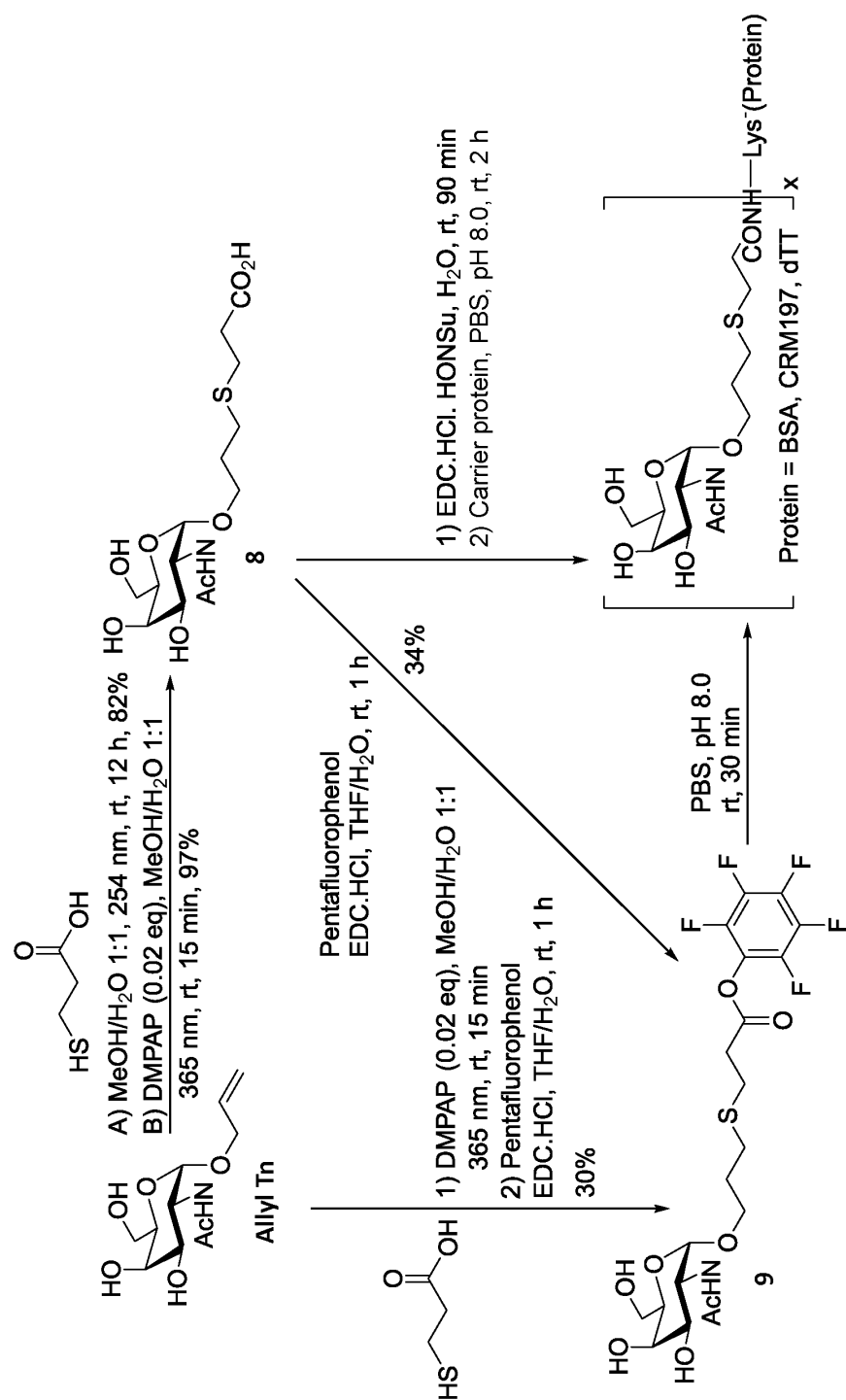
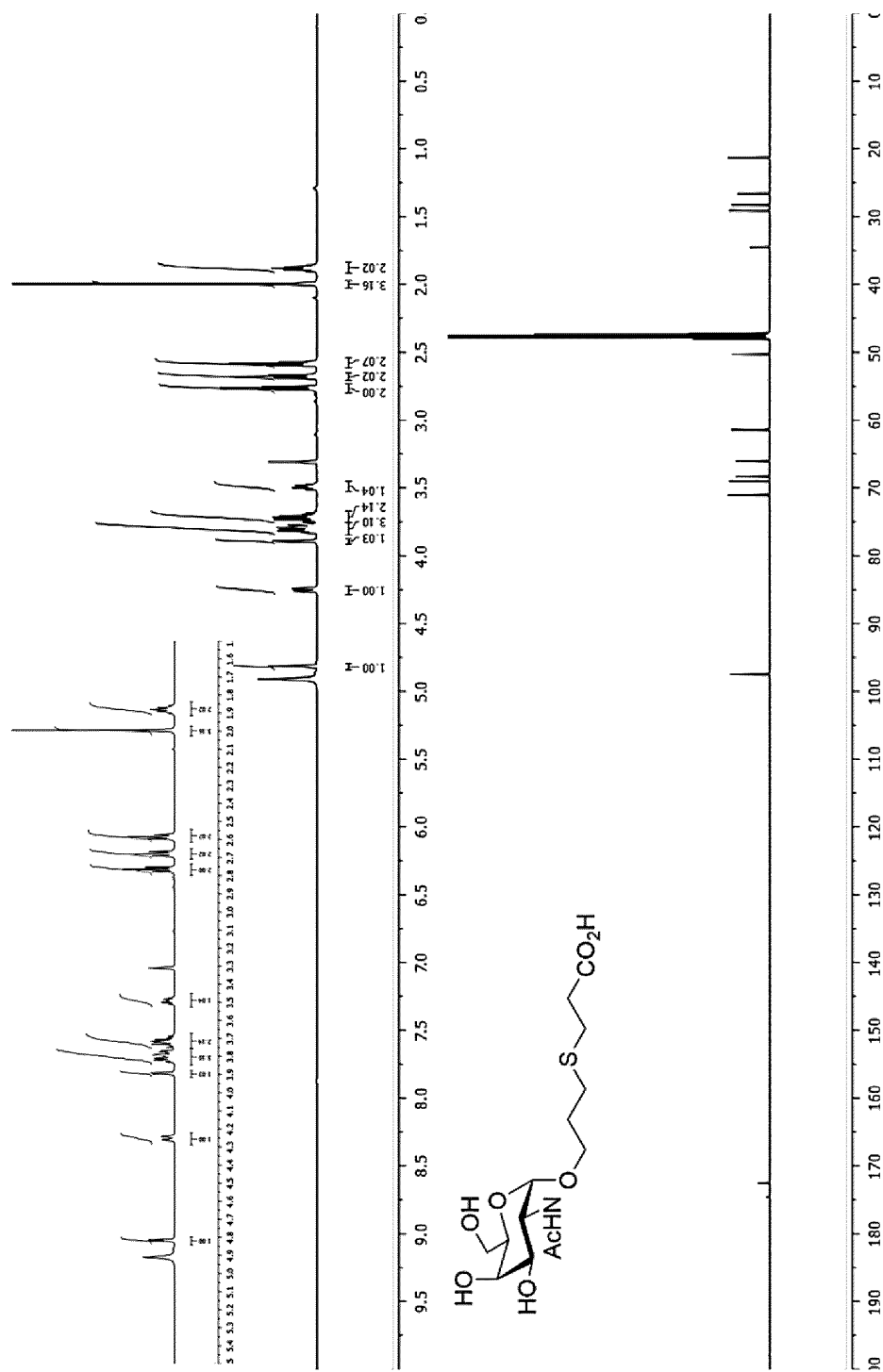


Fig. 10



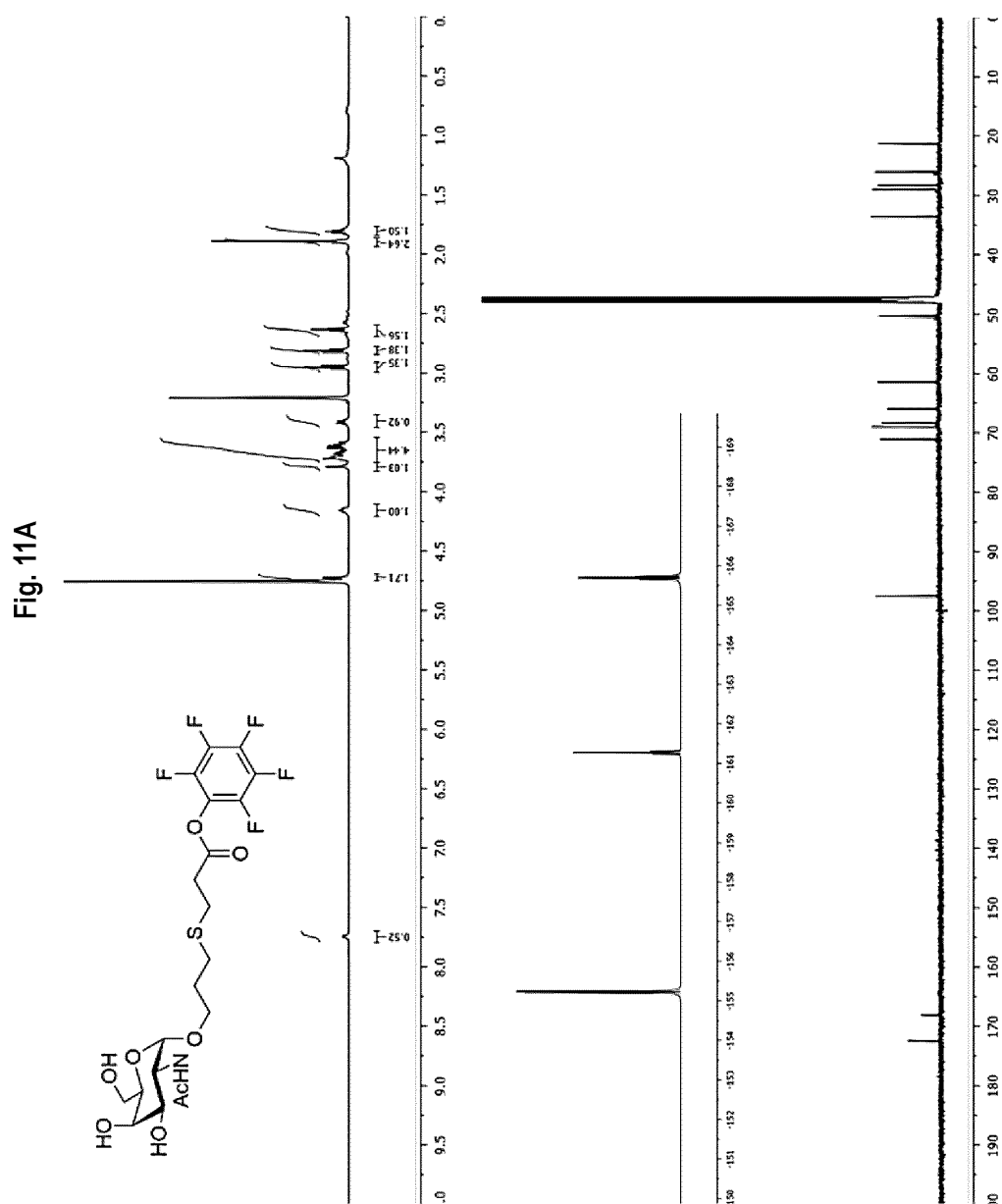


Fig. 11B

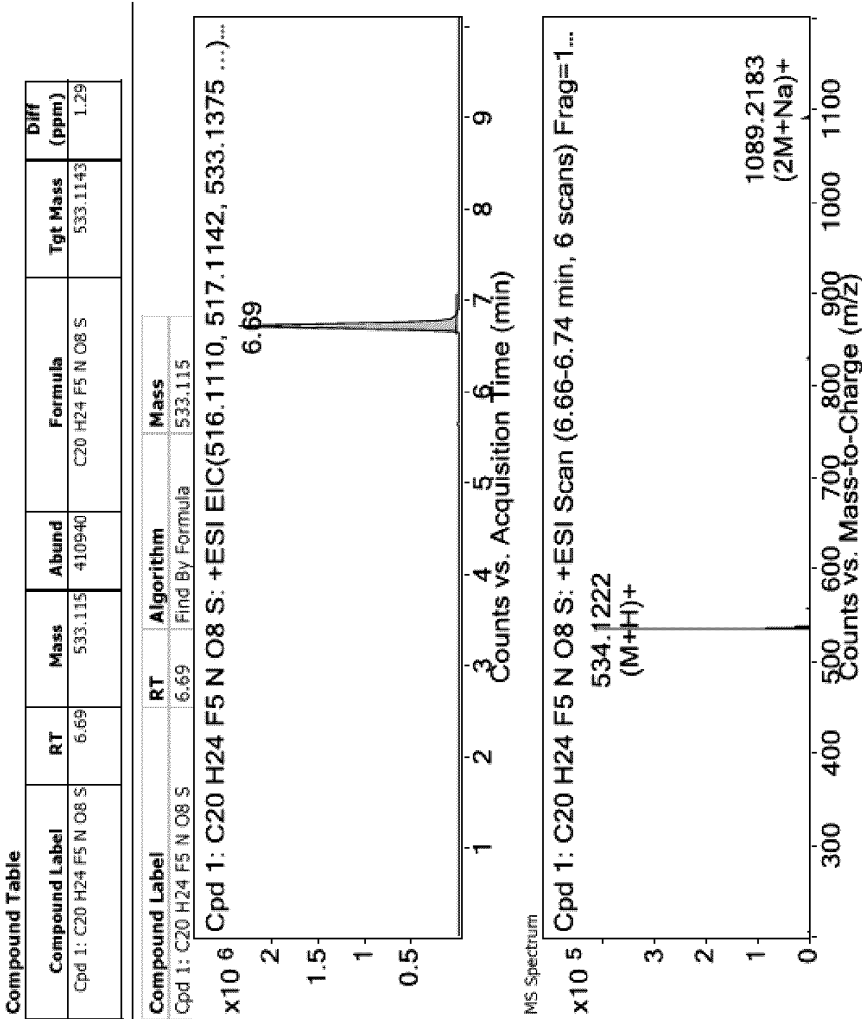


Fig. 12

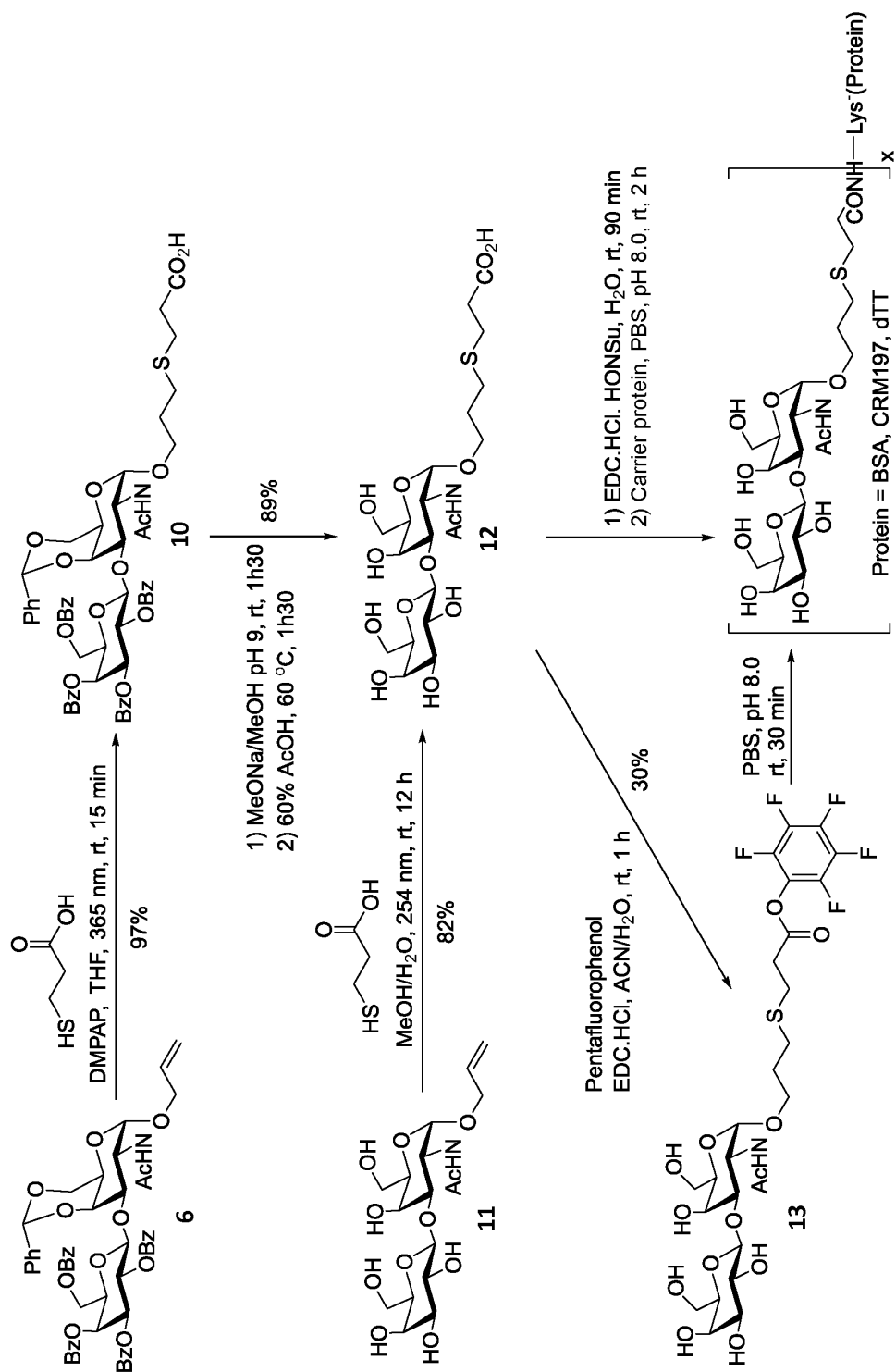


Fig. 13

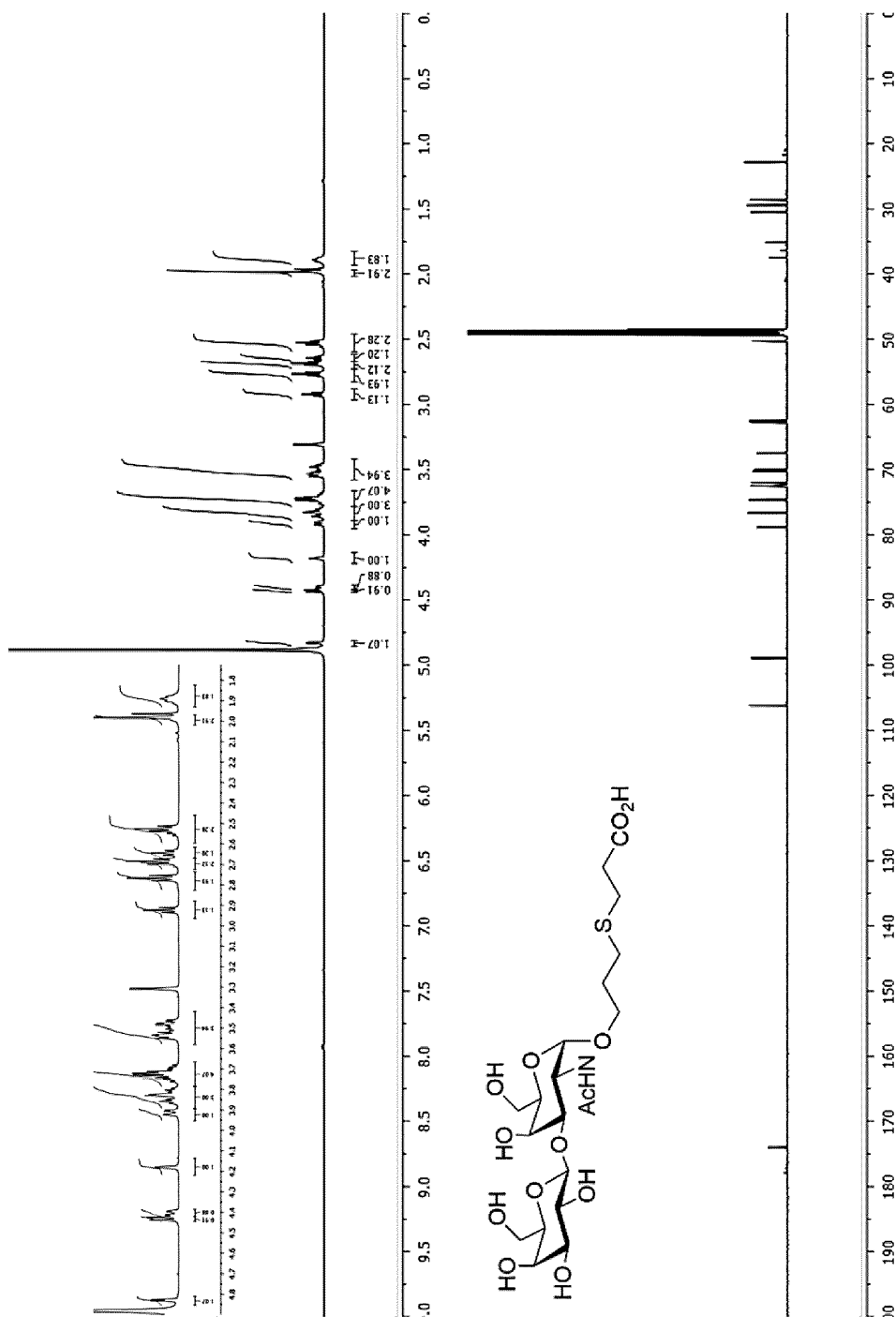
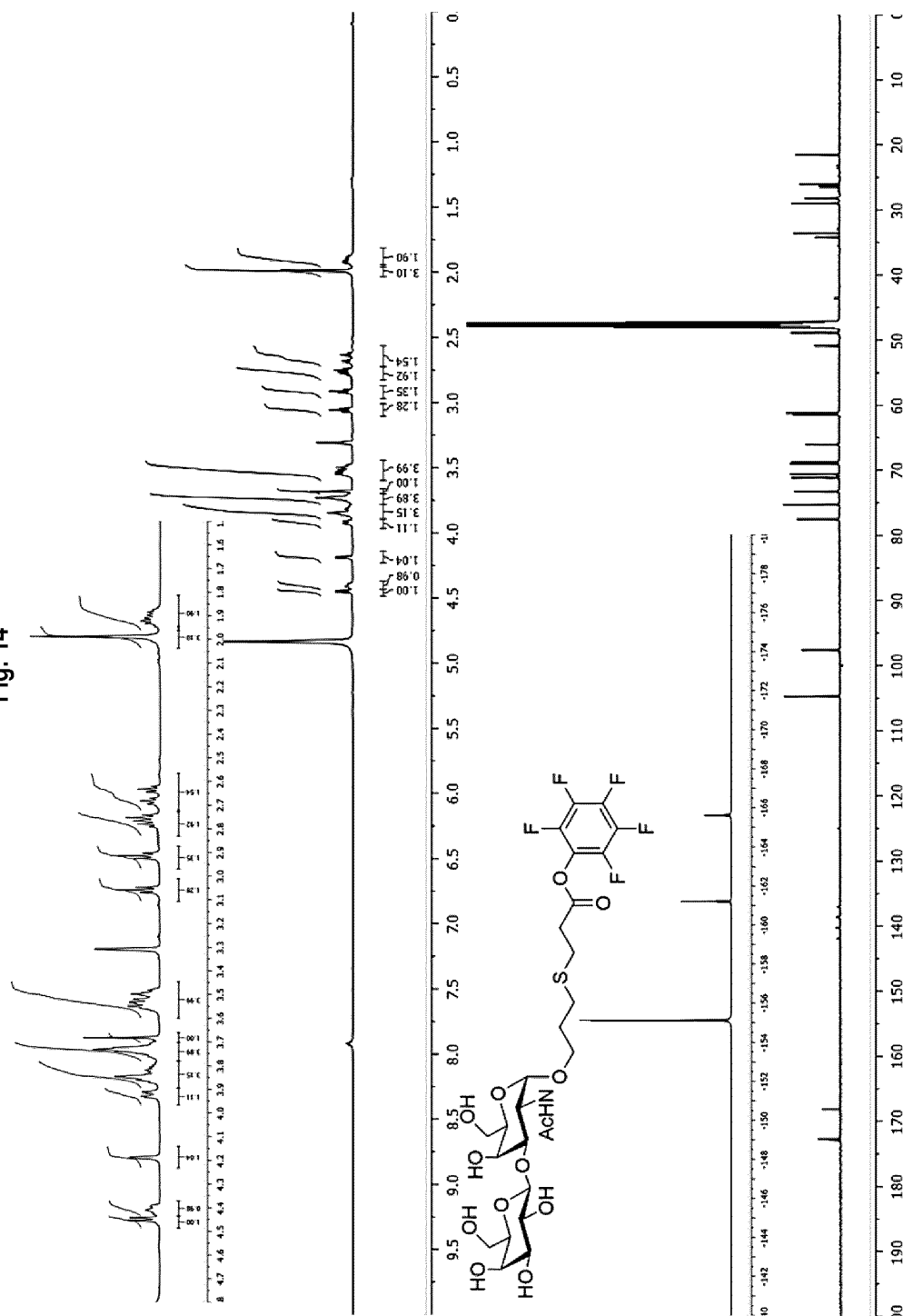


Fig. 14



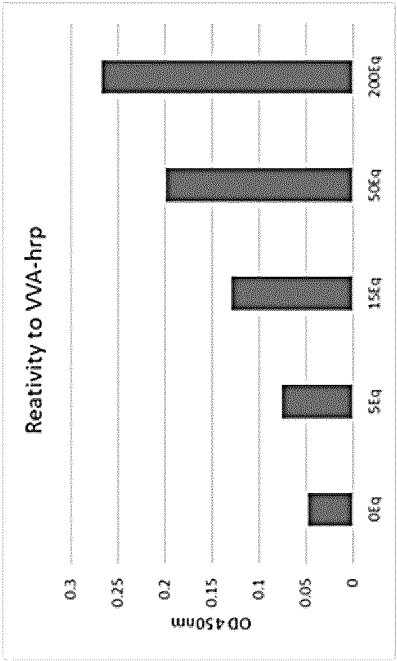
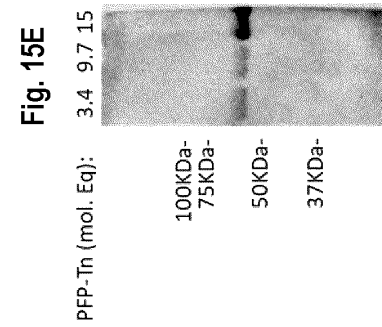
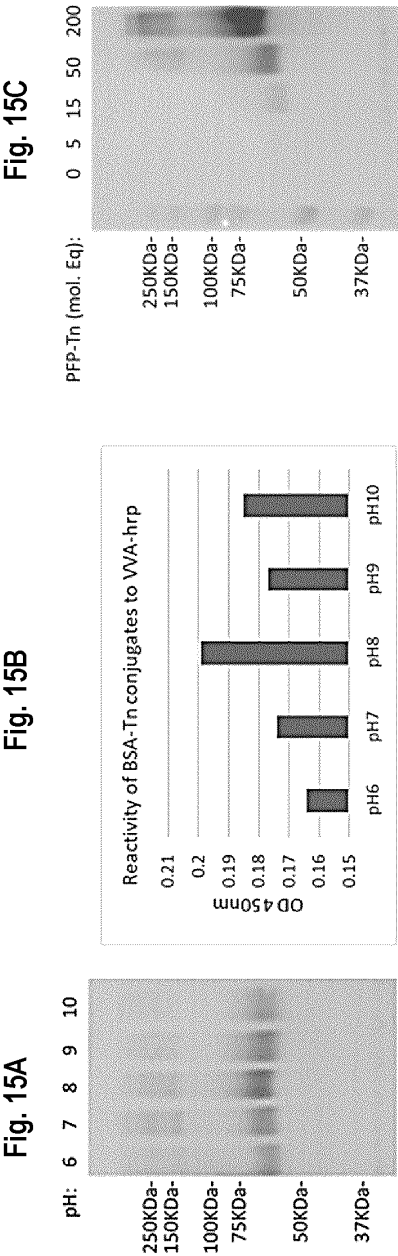


Fig. 16A

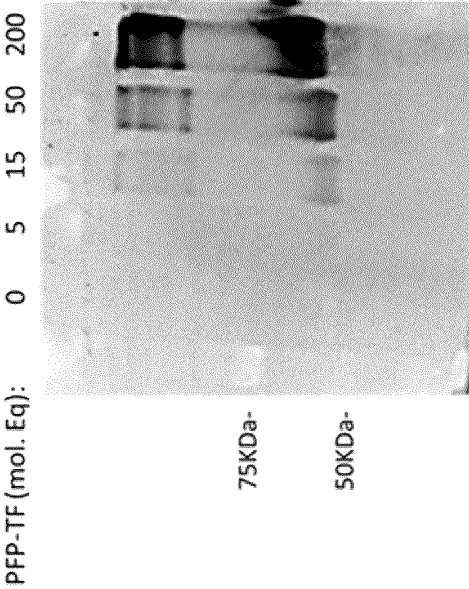
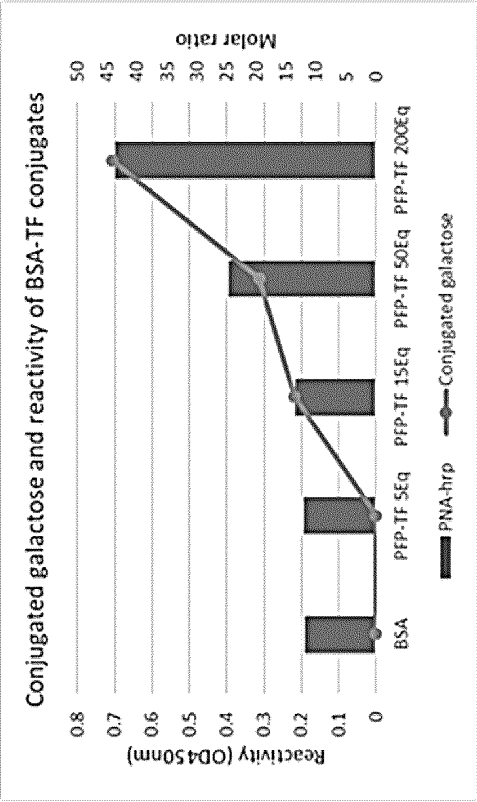


Fig. 16B



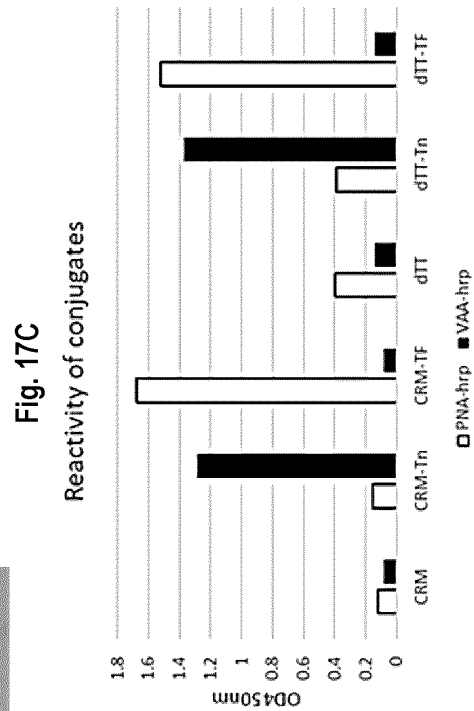
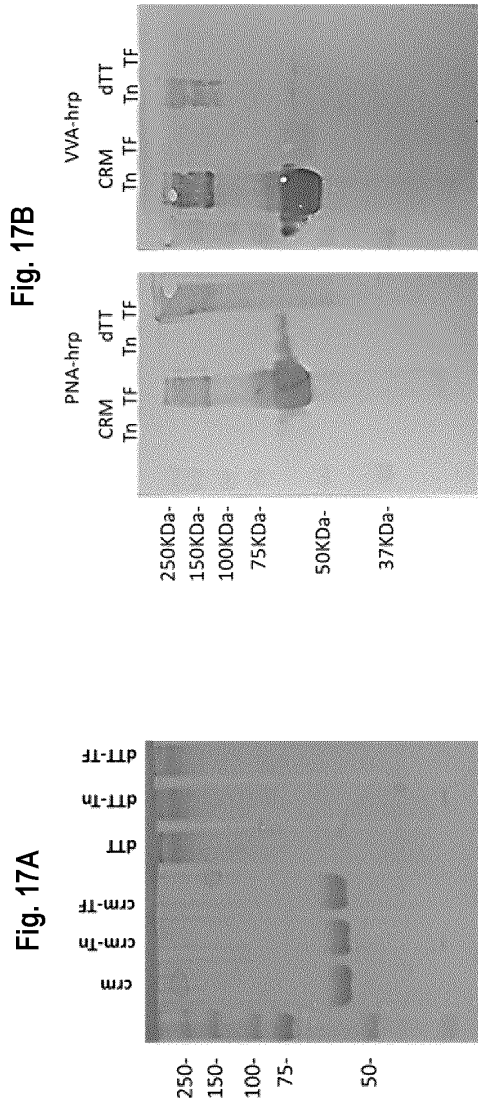


Fig. 18

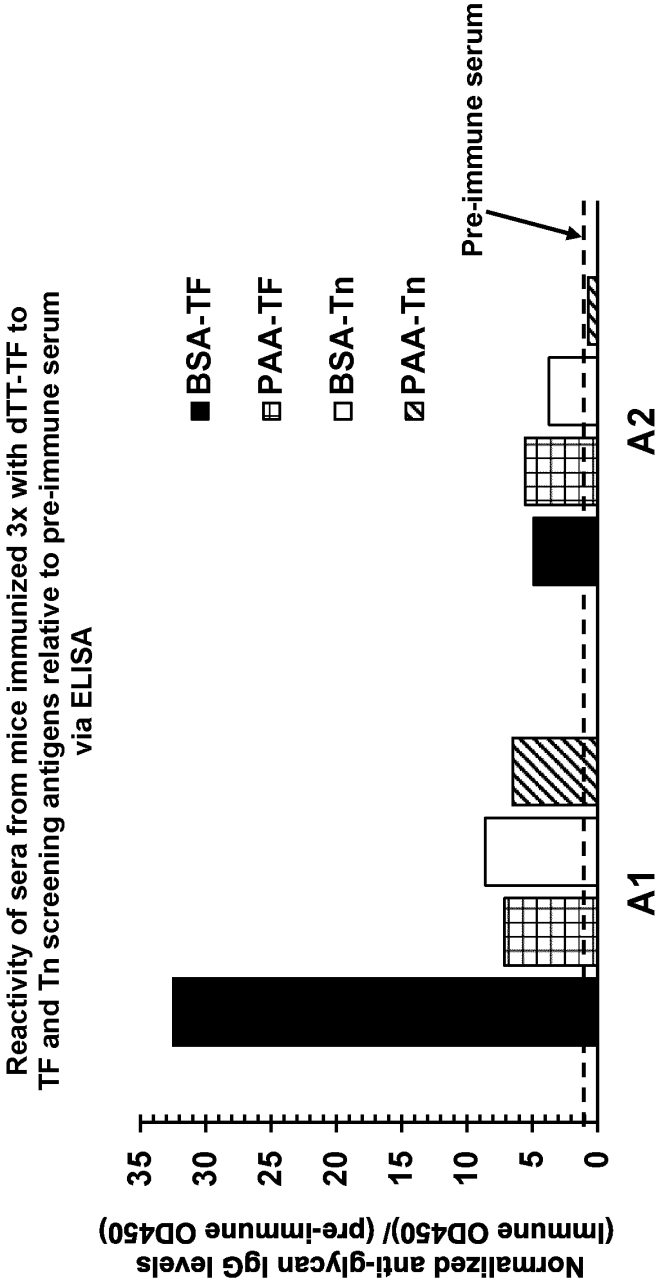


Fig. 19B

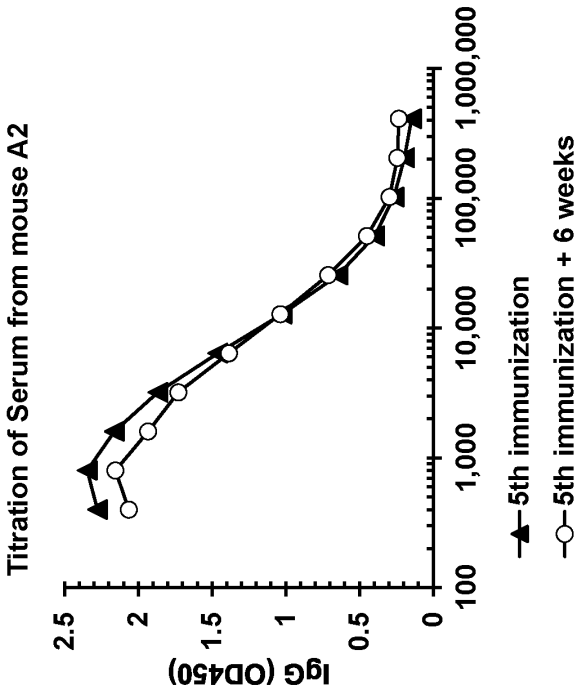


Fig. 19A

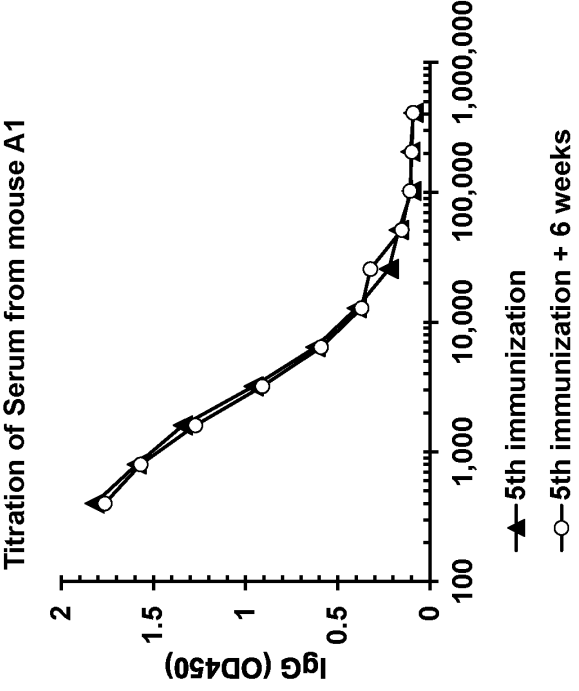


Fig. 20

Relative abundance of all O-glycosylated forms of peptide VQPTESIVR (SEQ ID NO: 3)
amongst proteins migrating above 75 kDa

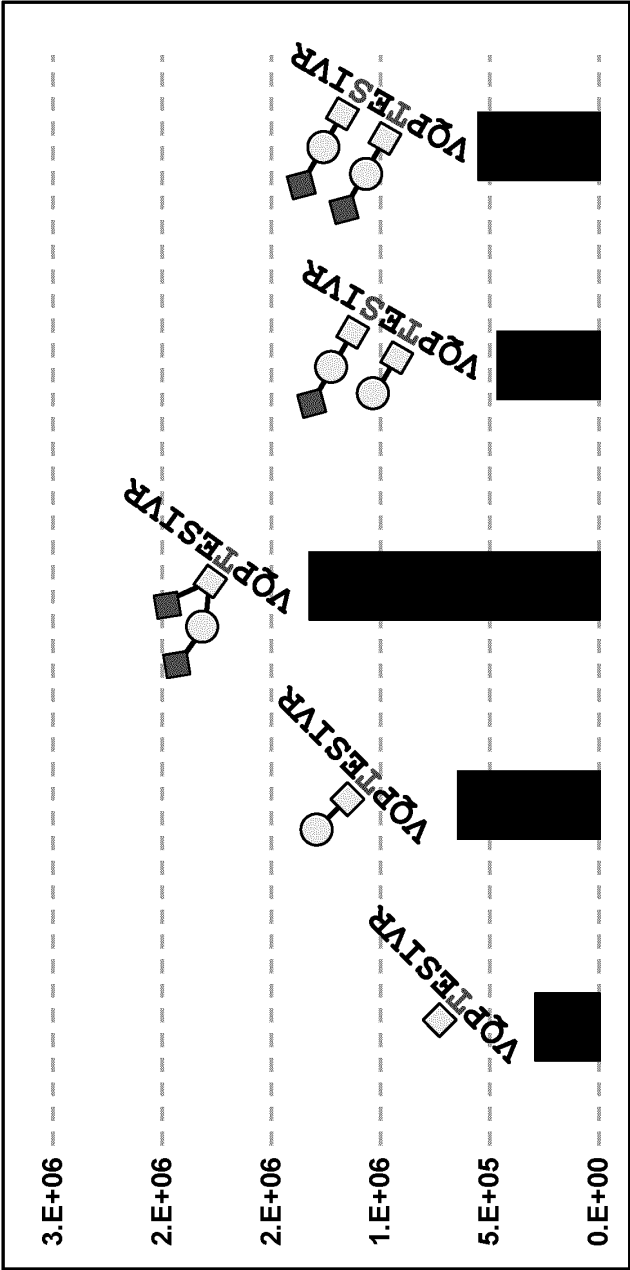


Fig. 21

Relative abundance of all O-glycosylated forms of peptide VQPTESIVR (SEQ ID NO: 3)
amongst proteins migrating between 75-100 kDa

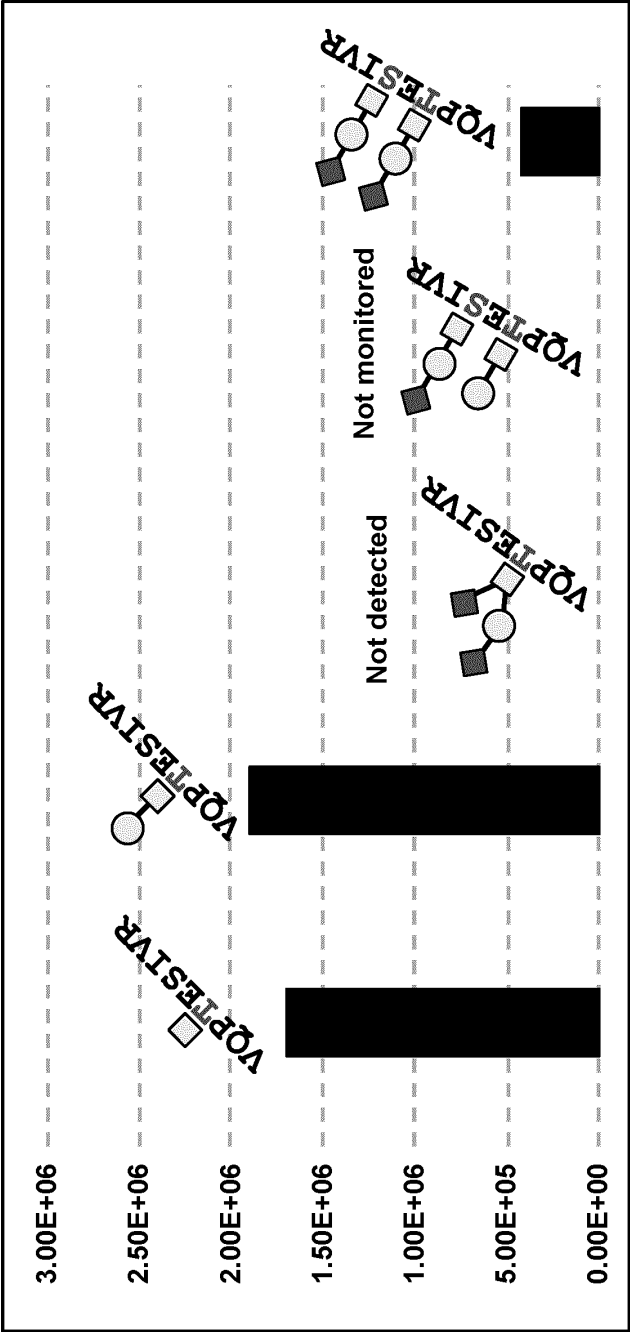


Fig. 22

Reactivity of monoclonal antibodies by ELISA to O-glycans present on SARS-CoV-2 S1 and S proteins expressed in transfected mammalian cells

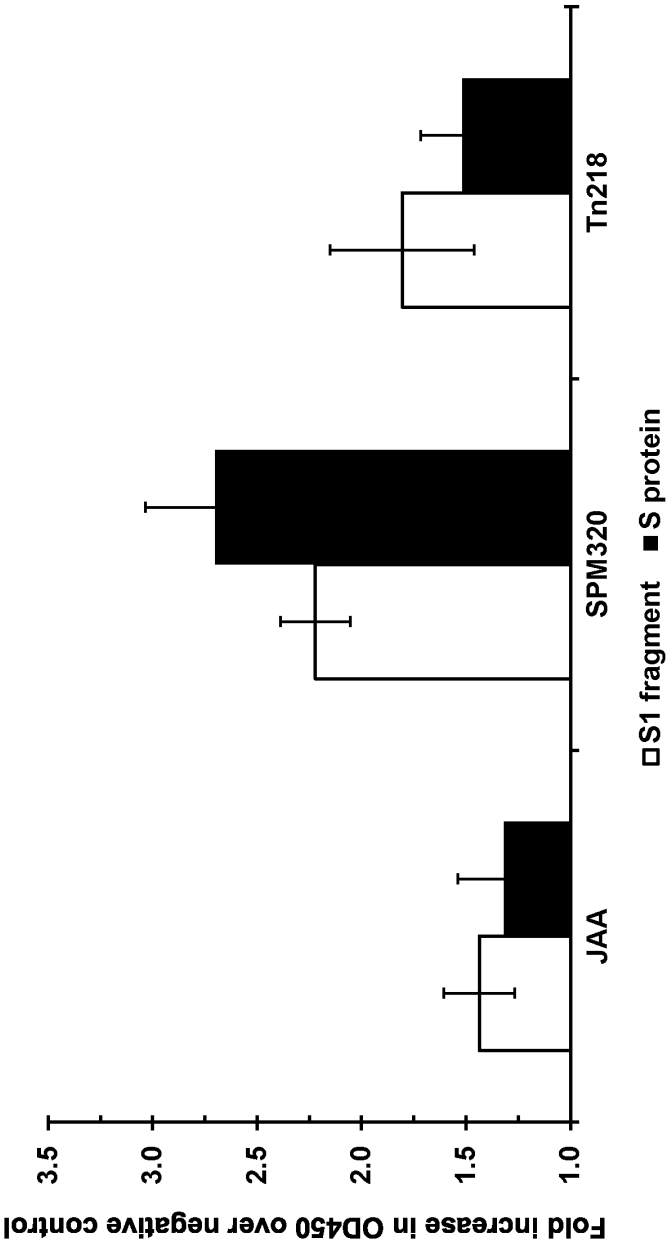
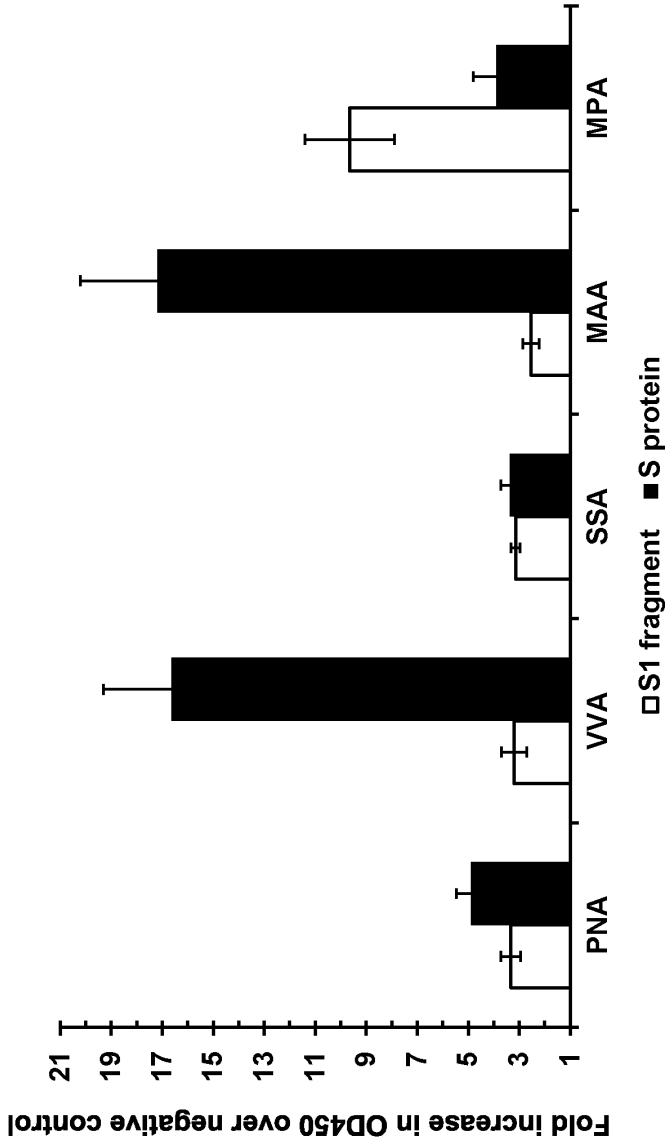
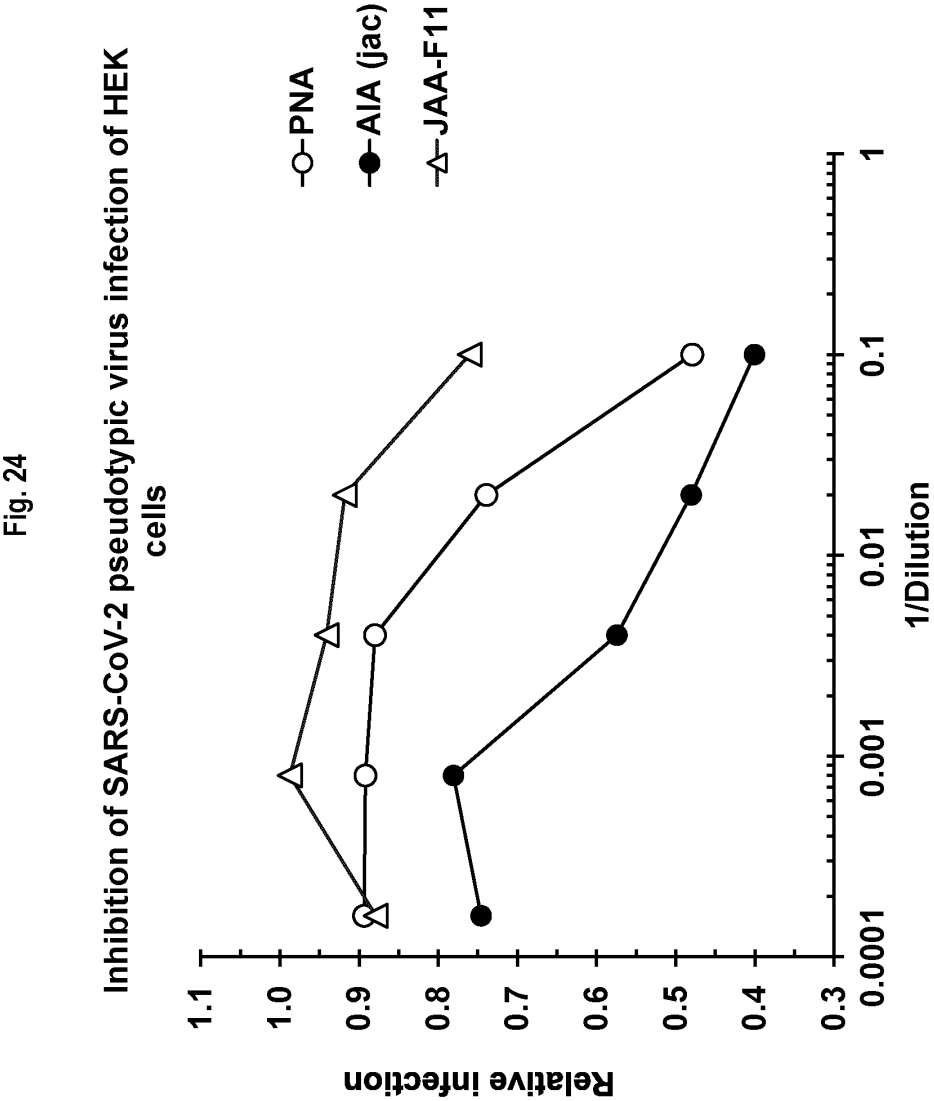


Fig. 23

Reactivity of lectins by ELISA to O-glycans present on SARS-CoV-2 S1 and S proteins expressed in transfected mammalian cells





INTERNATIONAL SEARCH REPORT

International application No.

PCT/CA2020/051253**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
See extra sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos.:
1-23, 26-41

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.