
Fuc
α1,6
Asn297 — GlcNAc — GlcNAc — Man
β1,4
β1,4
α1,6
α1,3
Man — GlcNAc — Gal — NeuAc
β1,2
β1,4
α2,6
Man — GlcNAc — Gal — NeuAc
β1,2
β1,4
α2,6
GlcNAc

Figure 1

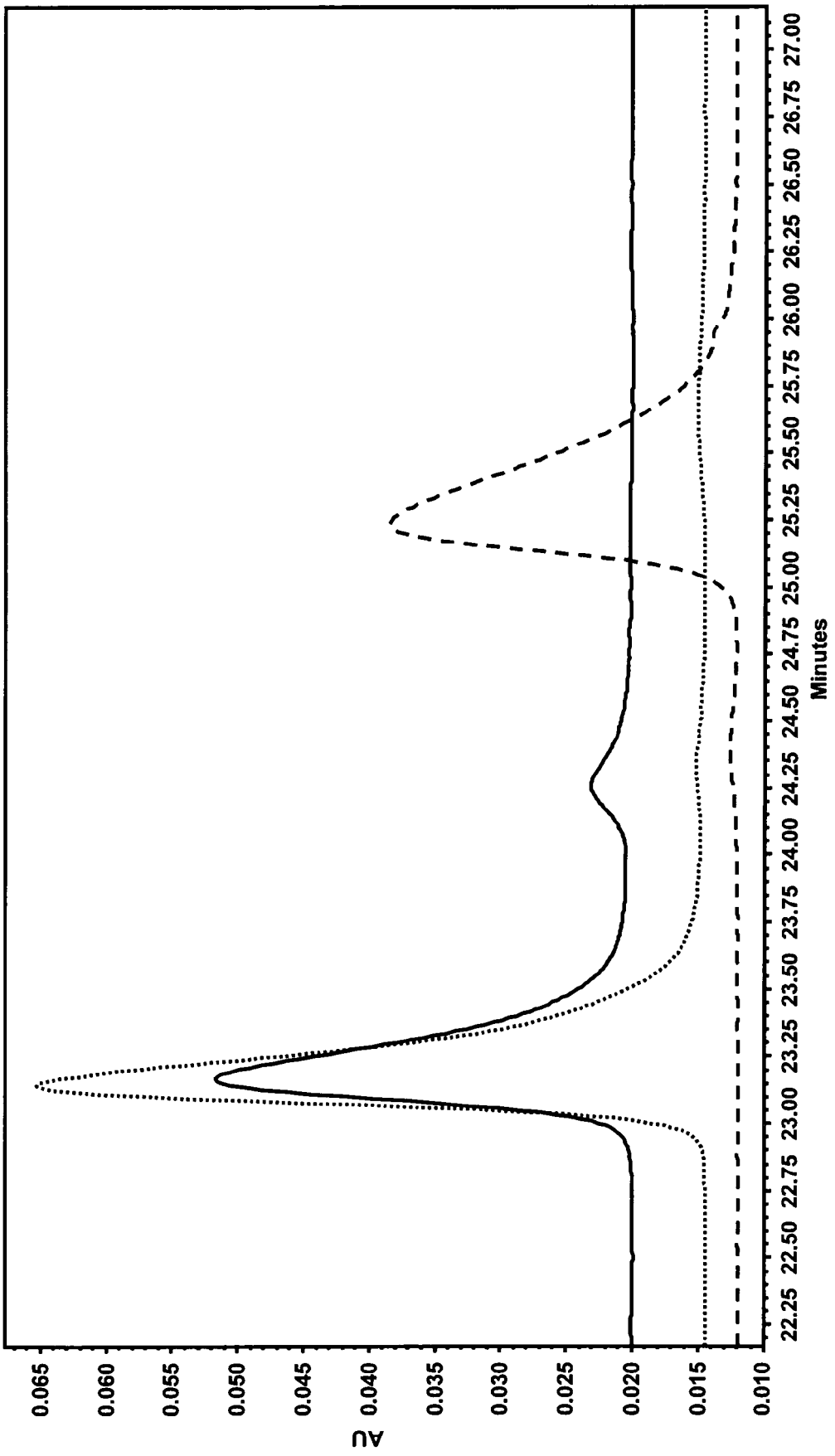

AU
0.065
0.060
0.055
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
Minutes
22.25
22.50
22.75
23.00
23.25
23.50
23.75
24.00
24.25
24.50
24.75
25.00
25.25
25.50
25.75
26.00
26.25
26.50
26.75
27.00

Figure 2a

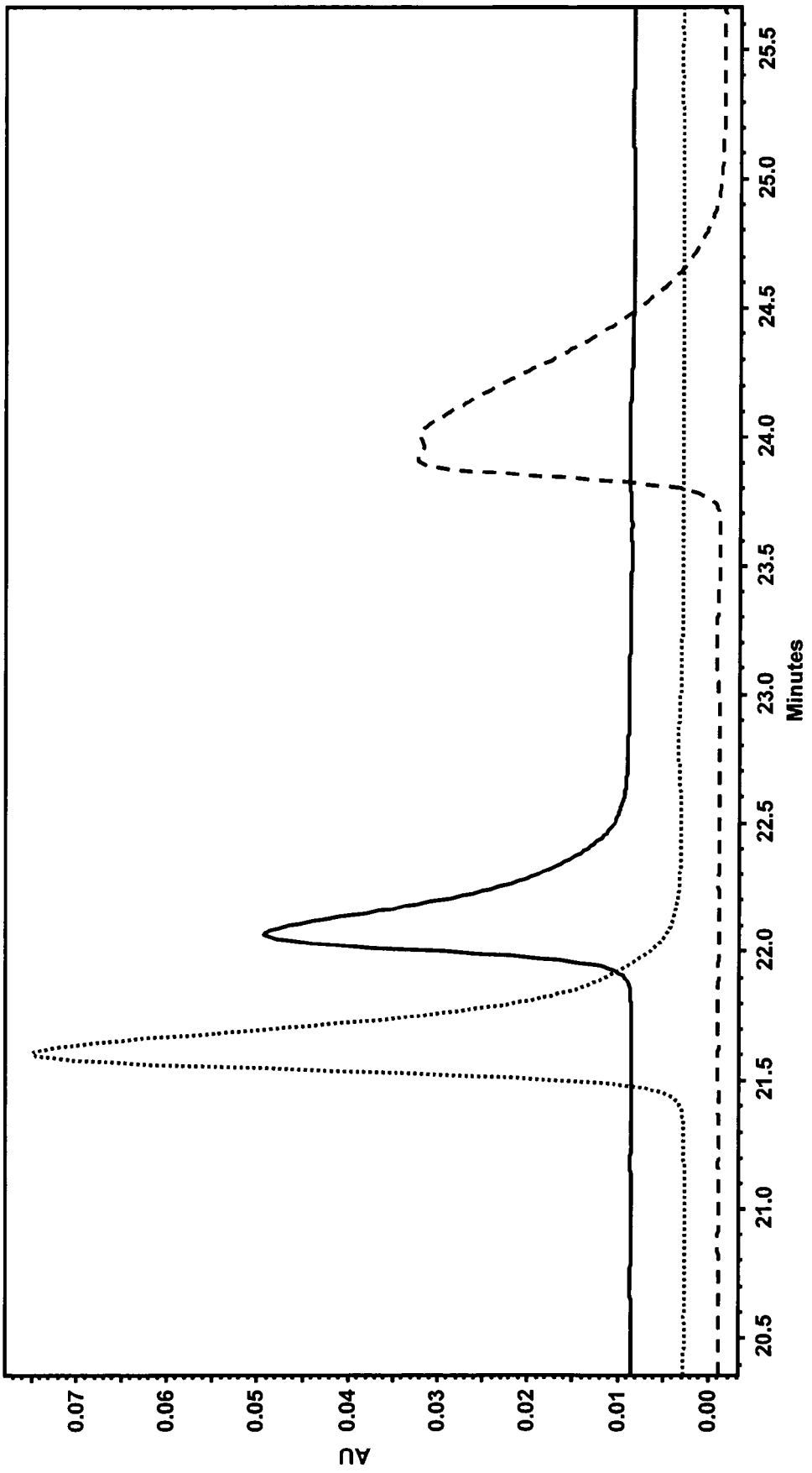

AU
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
20.5
21.0
21.5
22.0
22.5
23.0
23.5
24.0
24.5
25.0
25.5
Minutes

Figure 2b

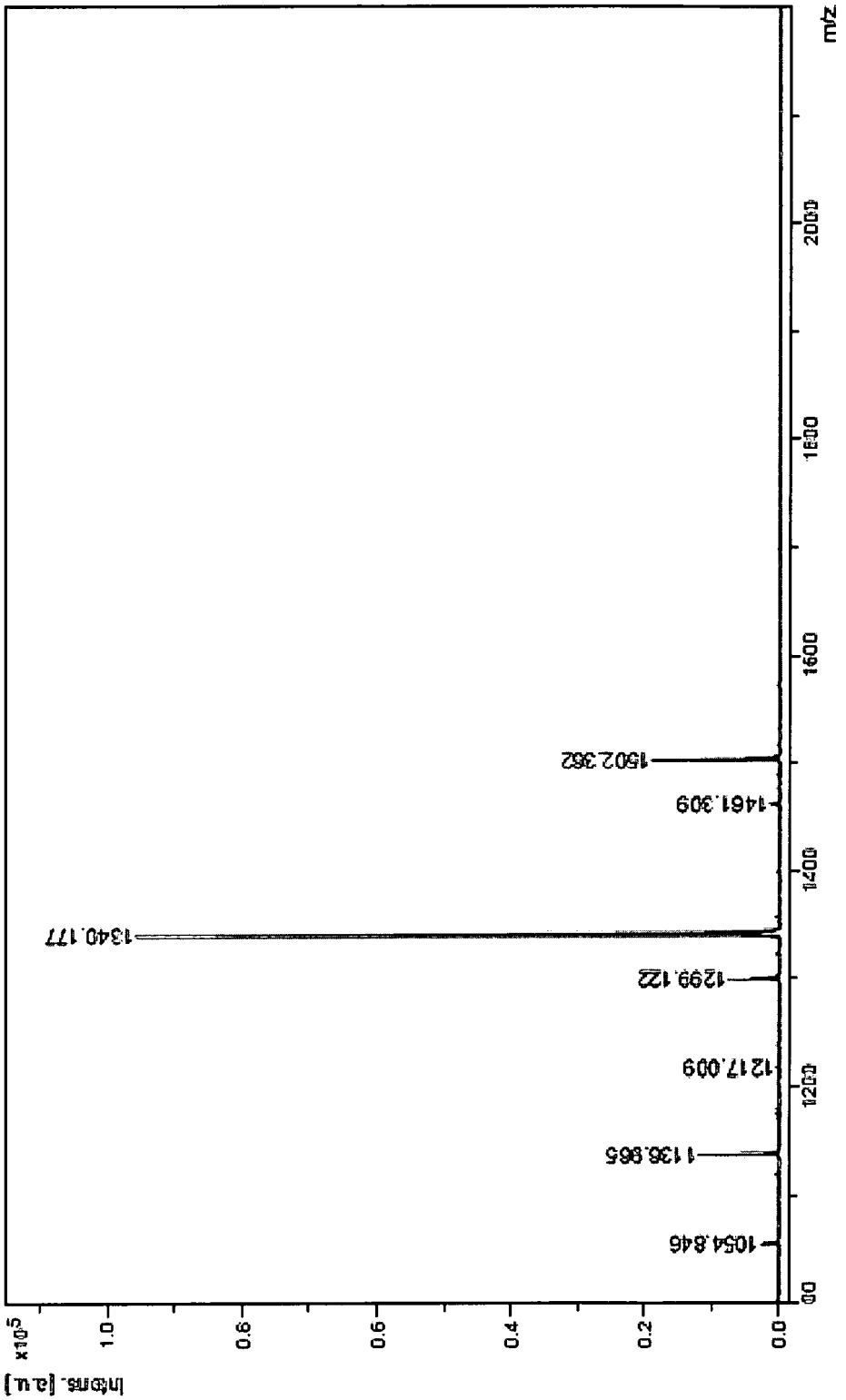

Intens. [a.u.]
x10^5
1.0
0.8
0.6
0.4
0.2
0.0
800
1000
1200
1400
1600
1800
2000
m/z
1054.846
1136.865
1217.009
1299.122
1340.177
1461.309
1502.362

Figure 3a

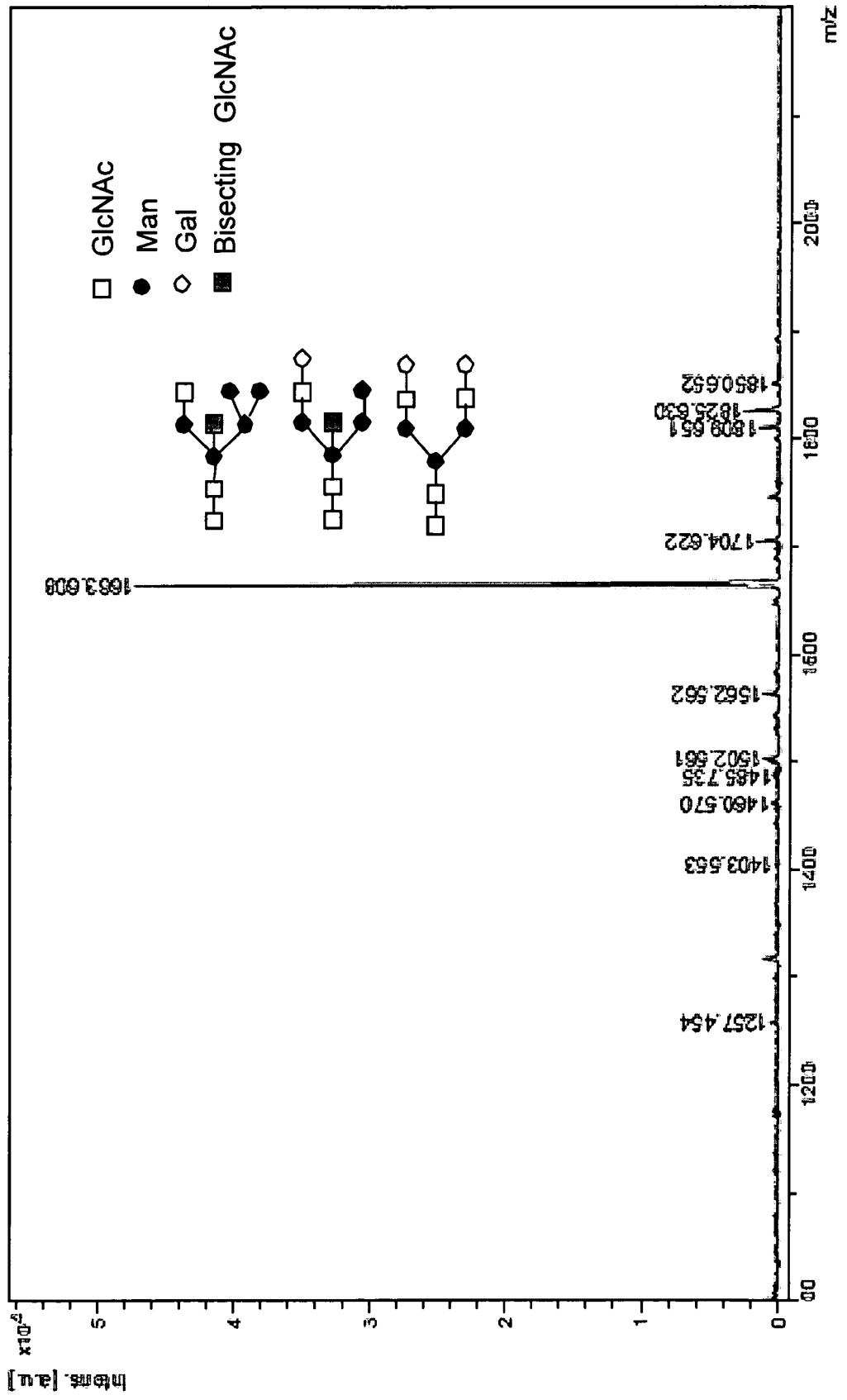

GlcNAc
Man
Gal
Bisecting GlcNAc
Intens. [a.u.]
x10⁴
m/z
1257.454
1403.553
1460.570
1485.735
1502.661
1562.562
1653.608
1704.622
1809.651
1825.630
1850.652

Figure 3b

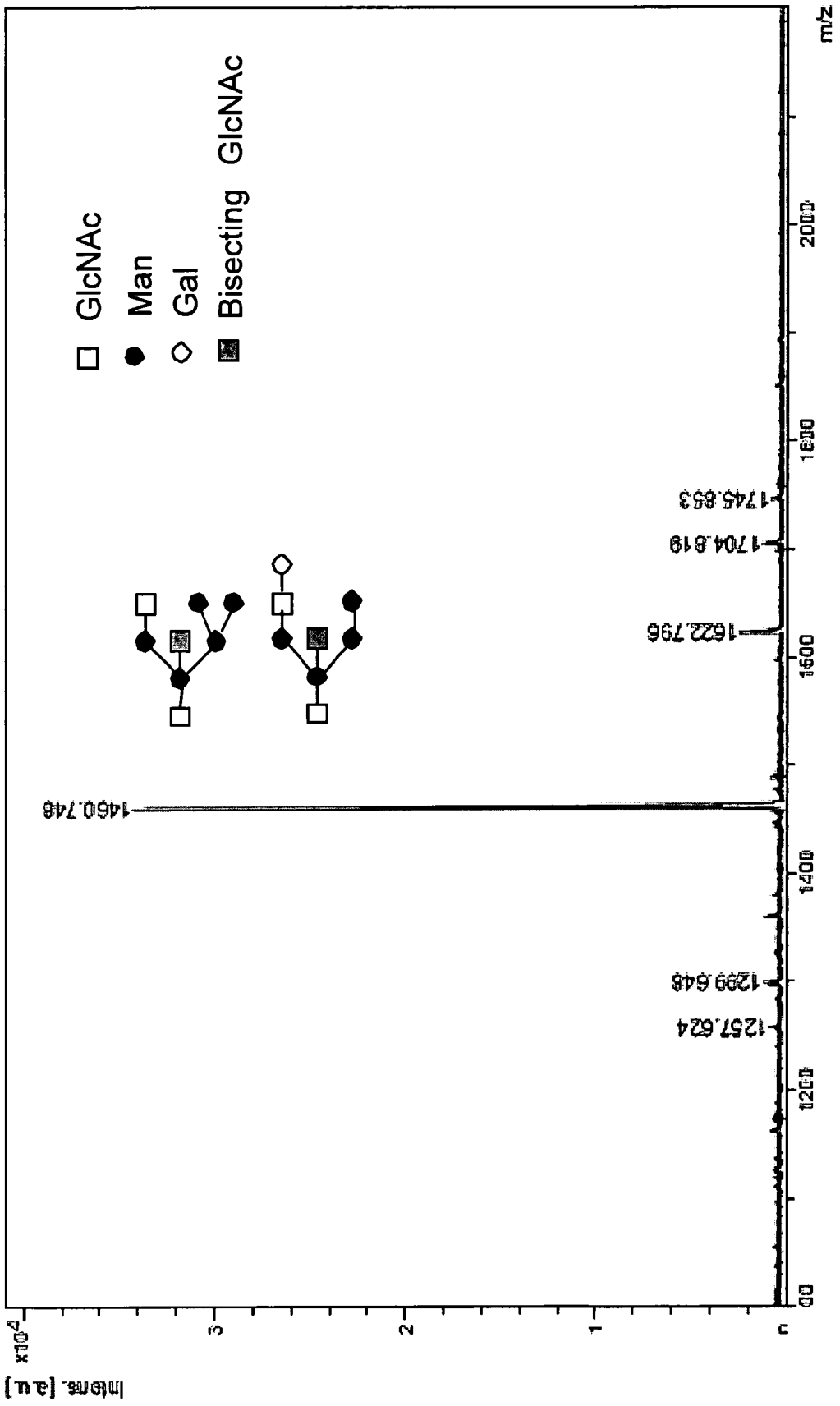

GlcNAc
Man
Gal
Bisecting GlcNAc
Intens. [a.u.]
x10^4
m/z
1460.748
1622.796
1704.819
1745.853
1257.624
1299.648

Figure 3c

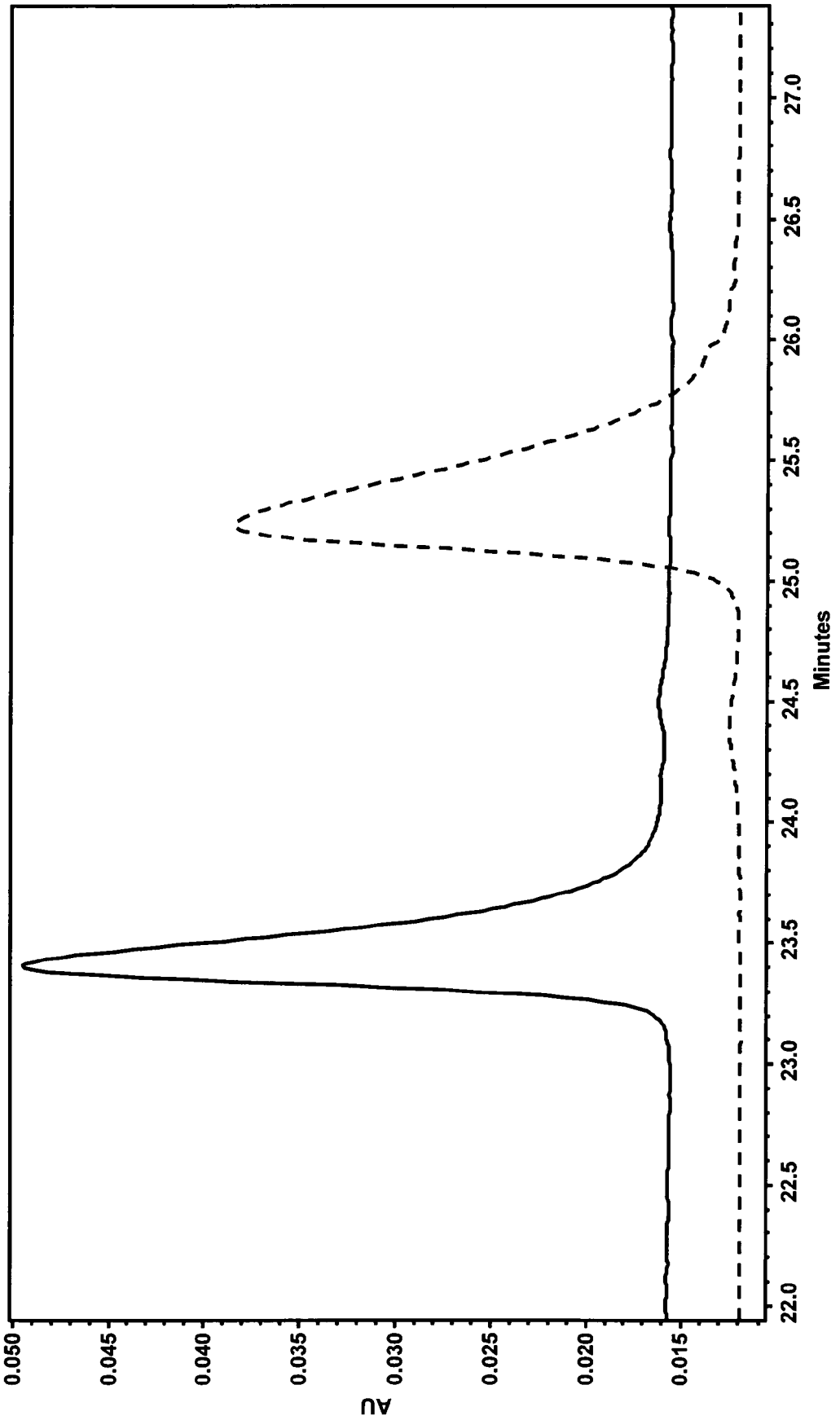

0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
AU
22.0
22.5
23.0
23.5
24.0
24.5
25.0
25.5
26.0
26.5
27.0
Minutes

Figure 4a

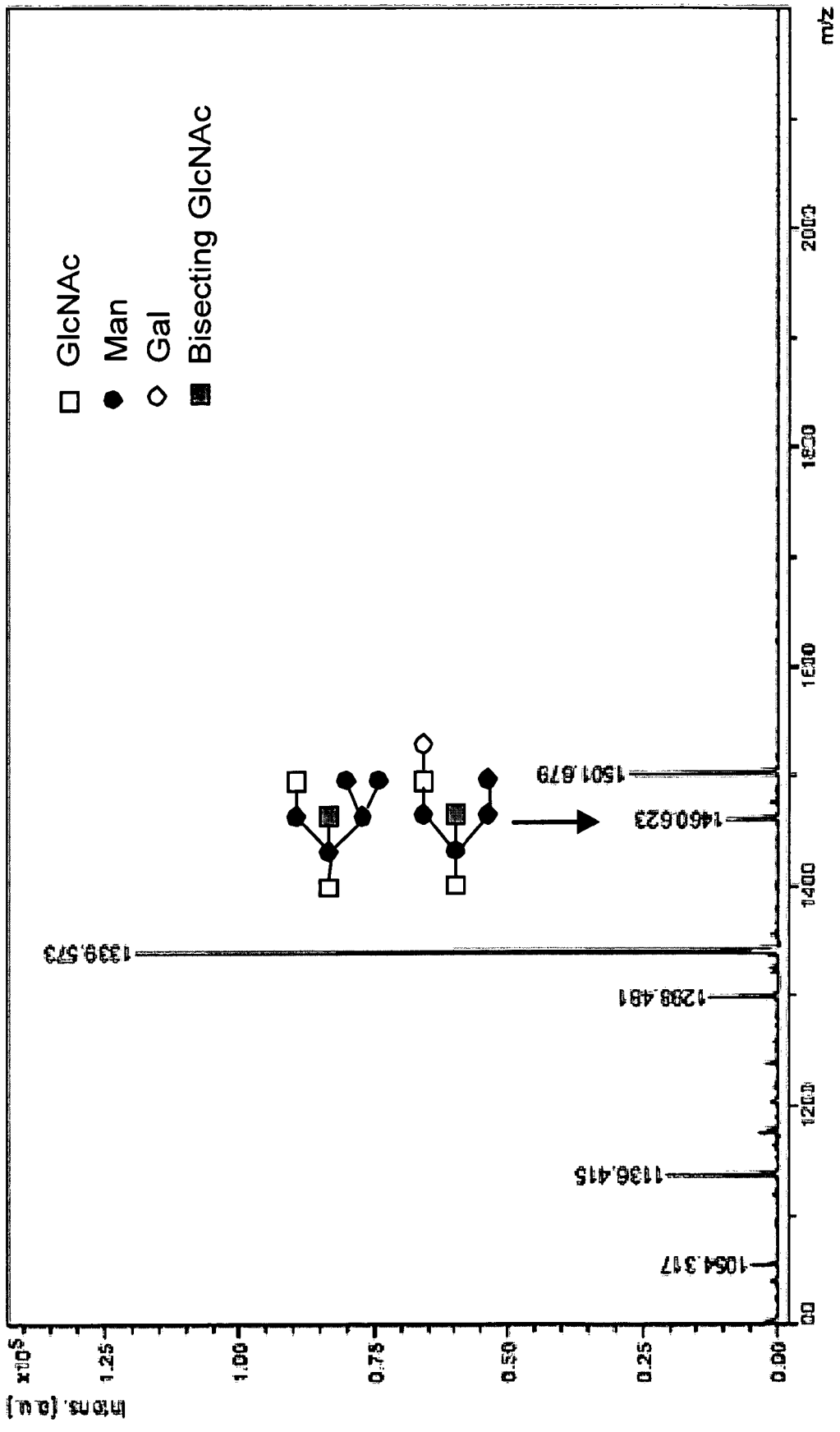
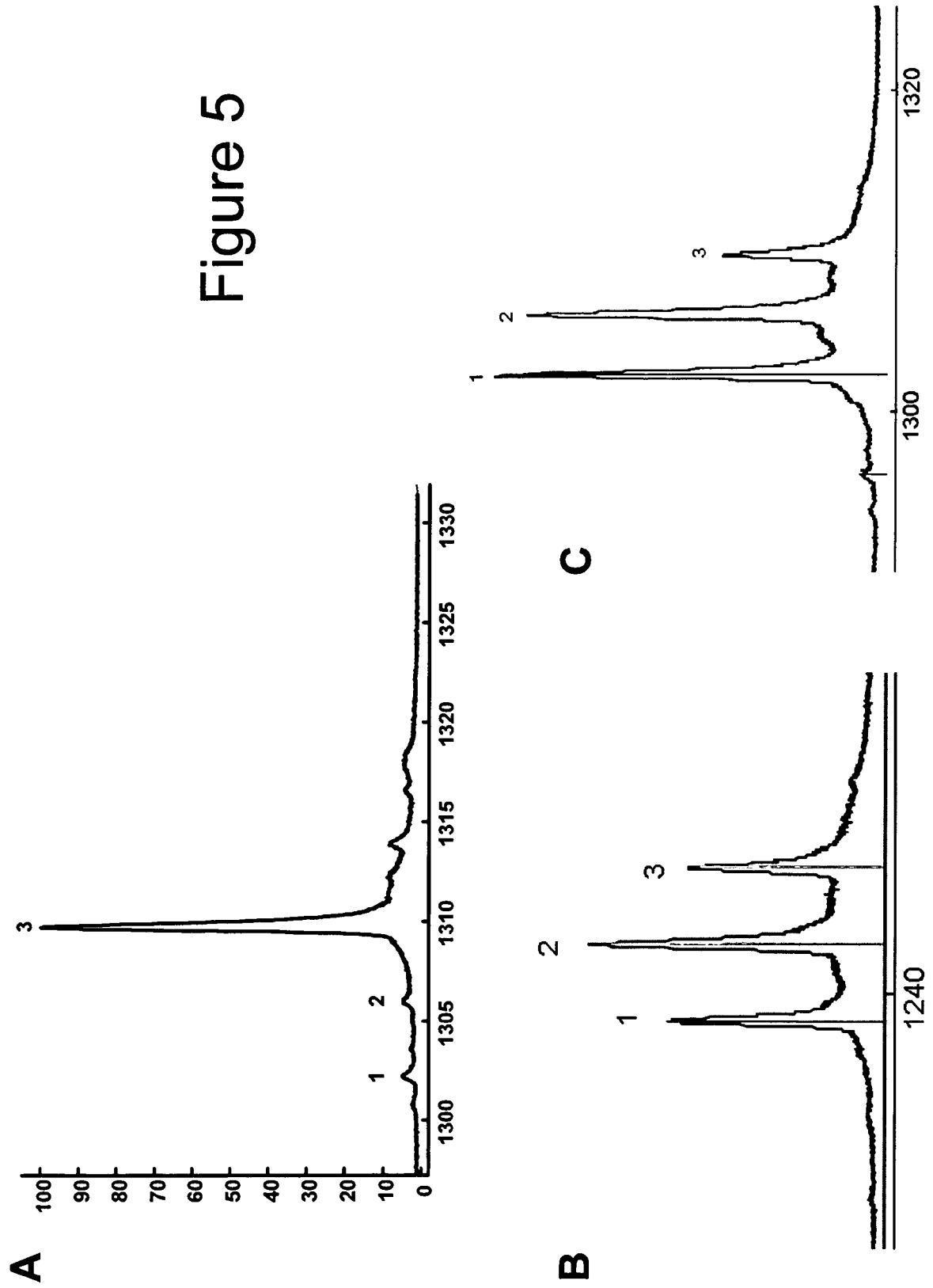

GlcNAc
Man
Gal
Bisecting GlcNAc
1339.573
1501.679
1460.623
1298.481
1136.415
1054.317
m/z
Intens. [a.u.]
x10^5

Figure 4b

Figure 5


A
100
90
80
70
60
50
40
30
20
10
0
1300
1305
1310
1315
1320
1325
1330
1
2
3
B
1240
1
2
3
C
1300
1320
1
2
3

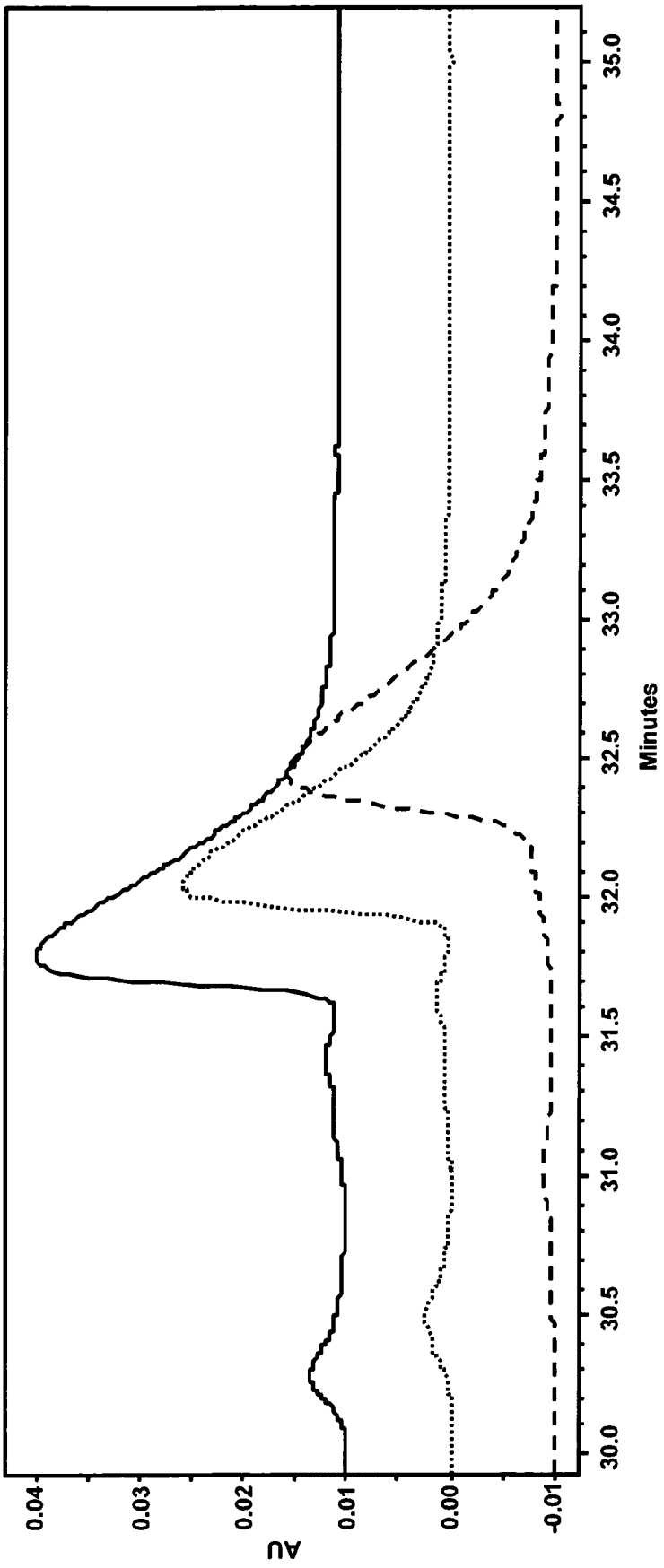

AU
0.04
0.03
0.02
0.01
0.00
-0.01
Minutes
30.0
30.5
31.0
31.5
32.0
32.5
33.0
33.5
34.0
34.5
35.0

Figure 6a

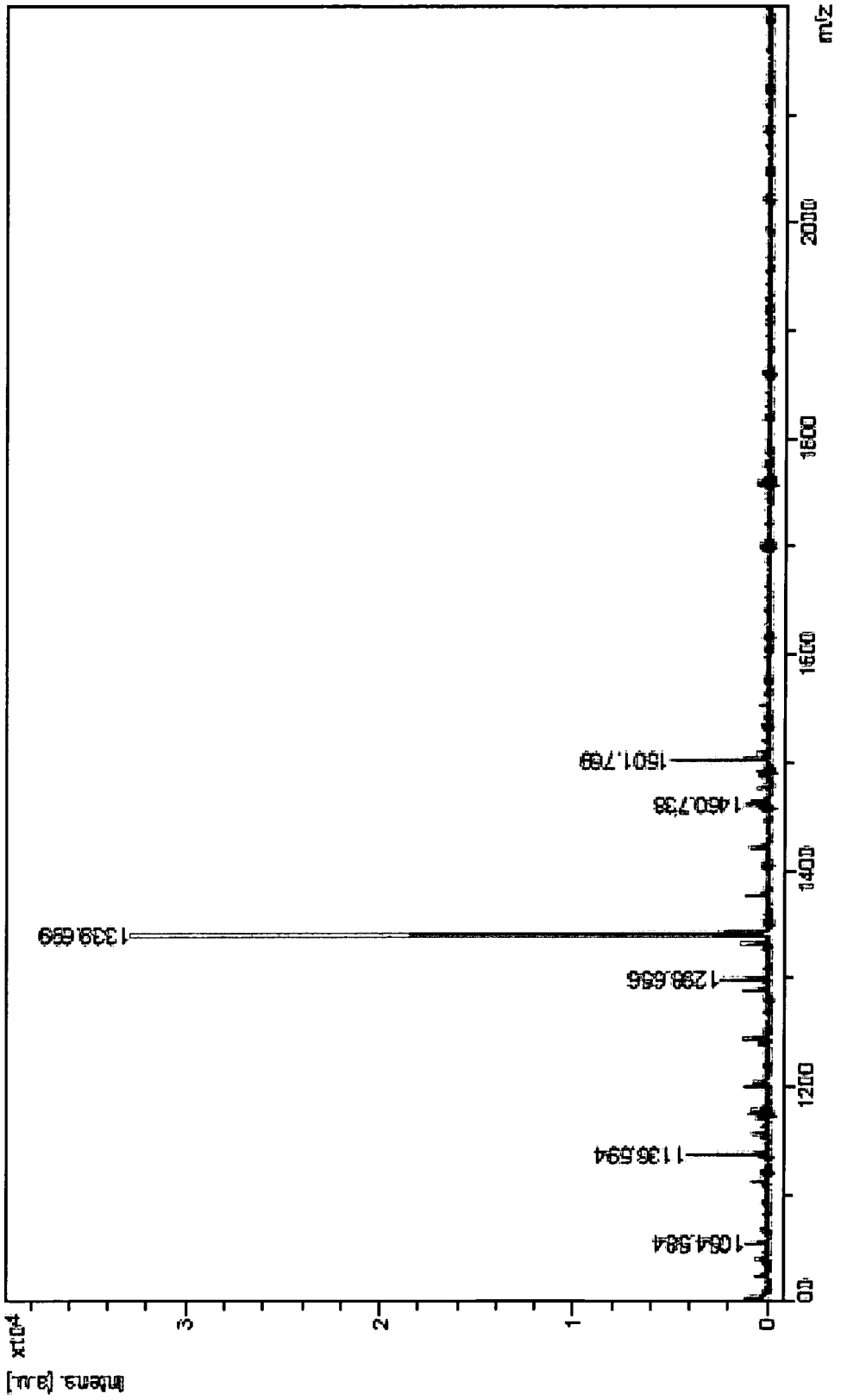

Intens. [a.u.]
x10^4
0
1
2
3
1084.584
1136.594
1298.656
1339.689
1460.738
1501.769
1200
1400
1600
1800
2000
m/z

Figure 6b

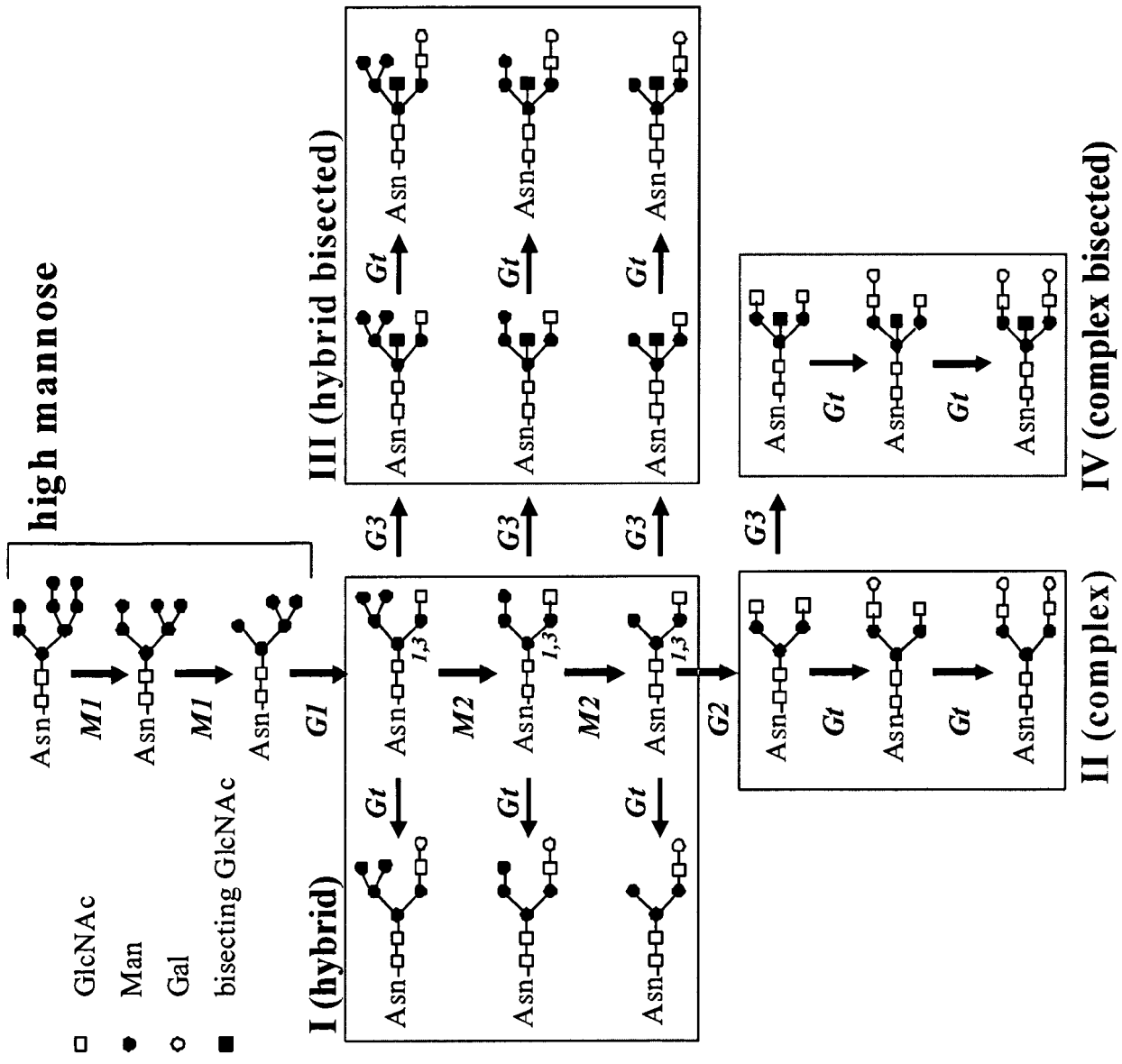

high mannose
GlcNAc
Man
Gal
bisecting GlcNAc
Asn
M1
M1
G1
G3
G3
G3
G3
I (hybrid)
III (hybrid bisected)
Gt
Gt
Gt
Gt
Gt
Gt
1,3
1,3
1,3
M2
M2
G2
Gt
Gt
Gt
II (complex)
IV (complex bisected)

Figure 7

Figure 8

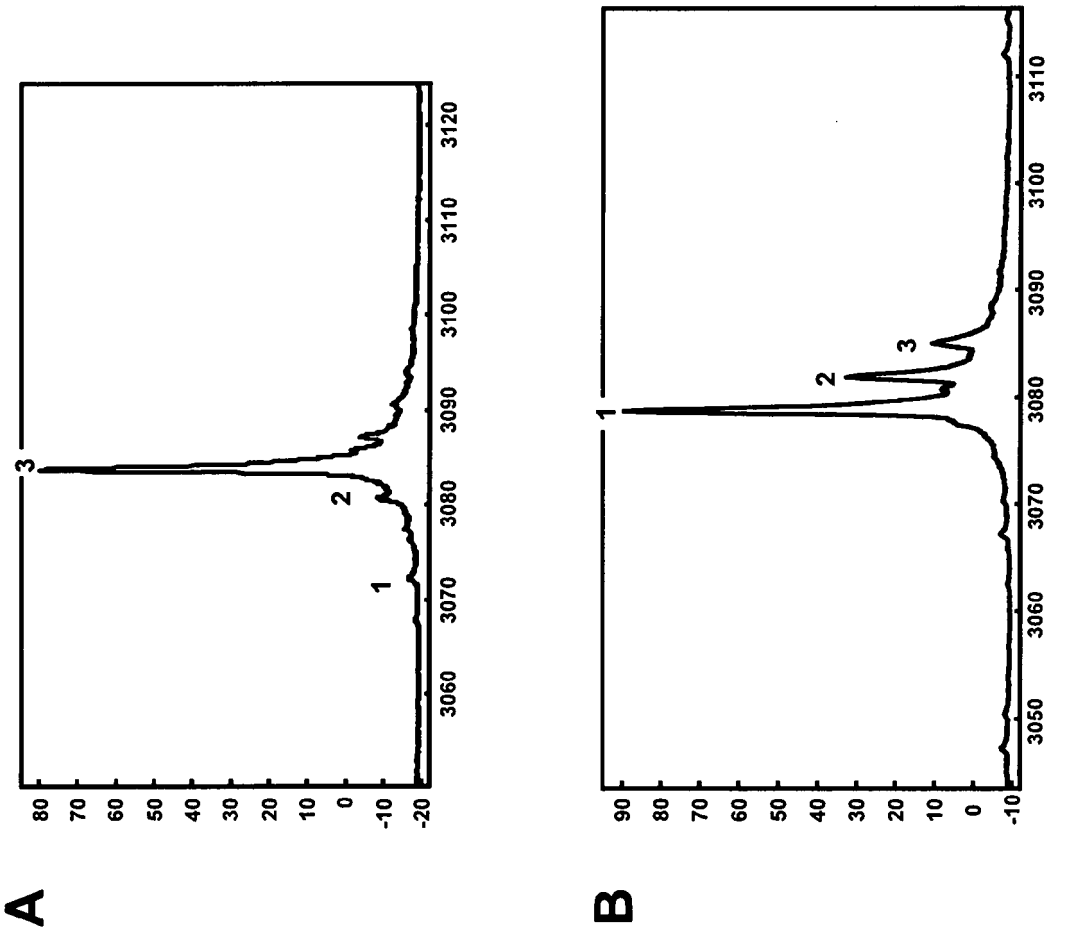
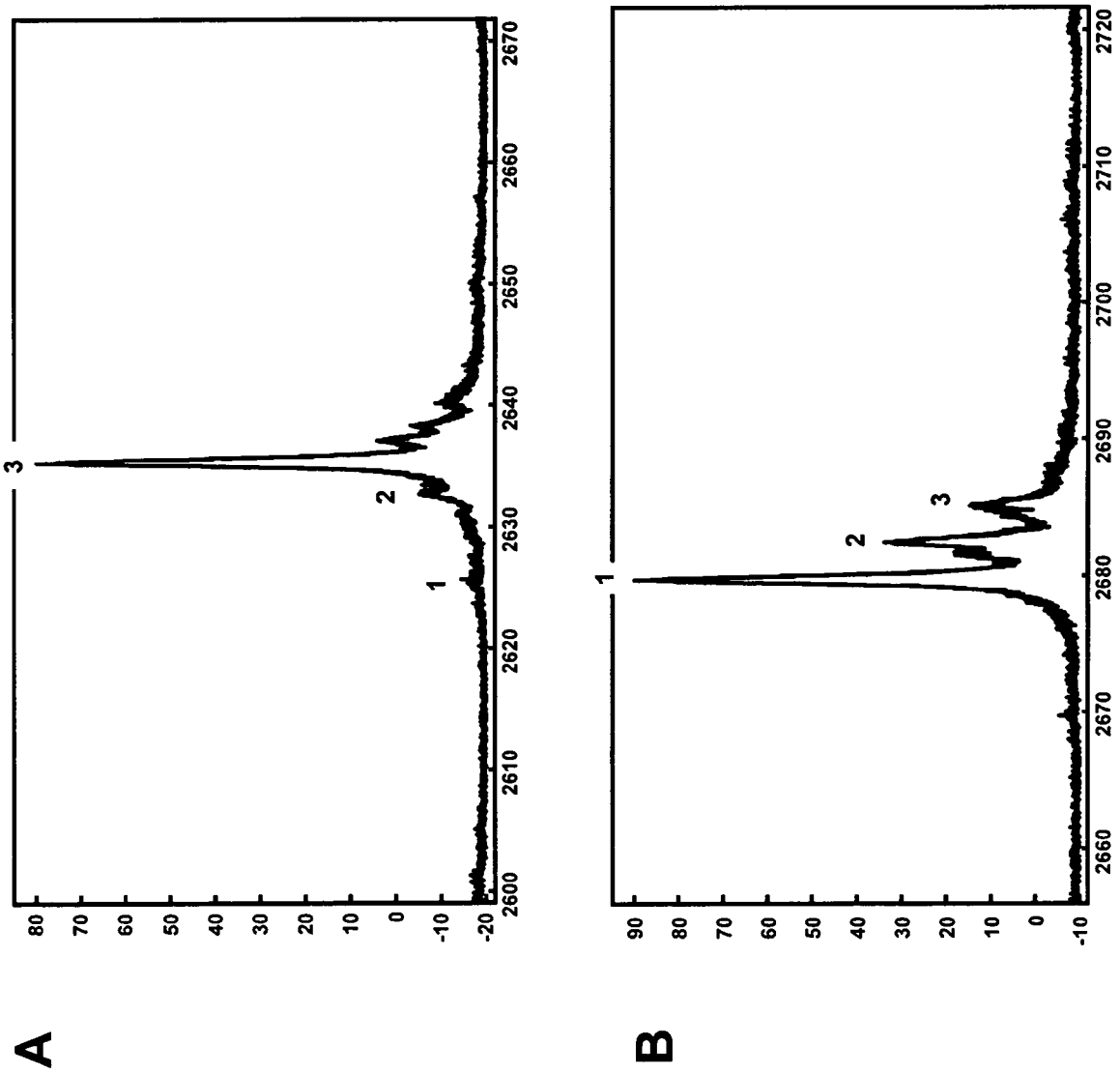

A
80
70
60
50
40
30
20
10
0
-10
-20
3060
3070
3080
3090
3100
3110
3120
1
2
3
B
90
80
70
60
50
40
30
20
10
0
-10
3050
3060
3070
3080
3090
3100
3110
1
2
3

Figure 9


A
B
1
2
3
2600
2610
2620
2630
2640
2650
2660
2670
2660
2670
2680
2690
2700
2710
2720
-20
-10
0
10
20
30
40
50
60
70
80
90