Figure 1

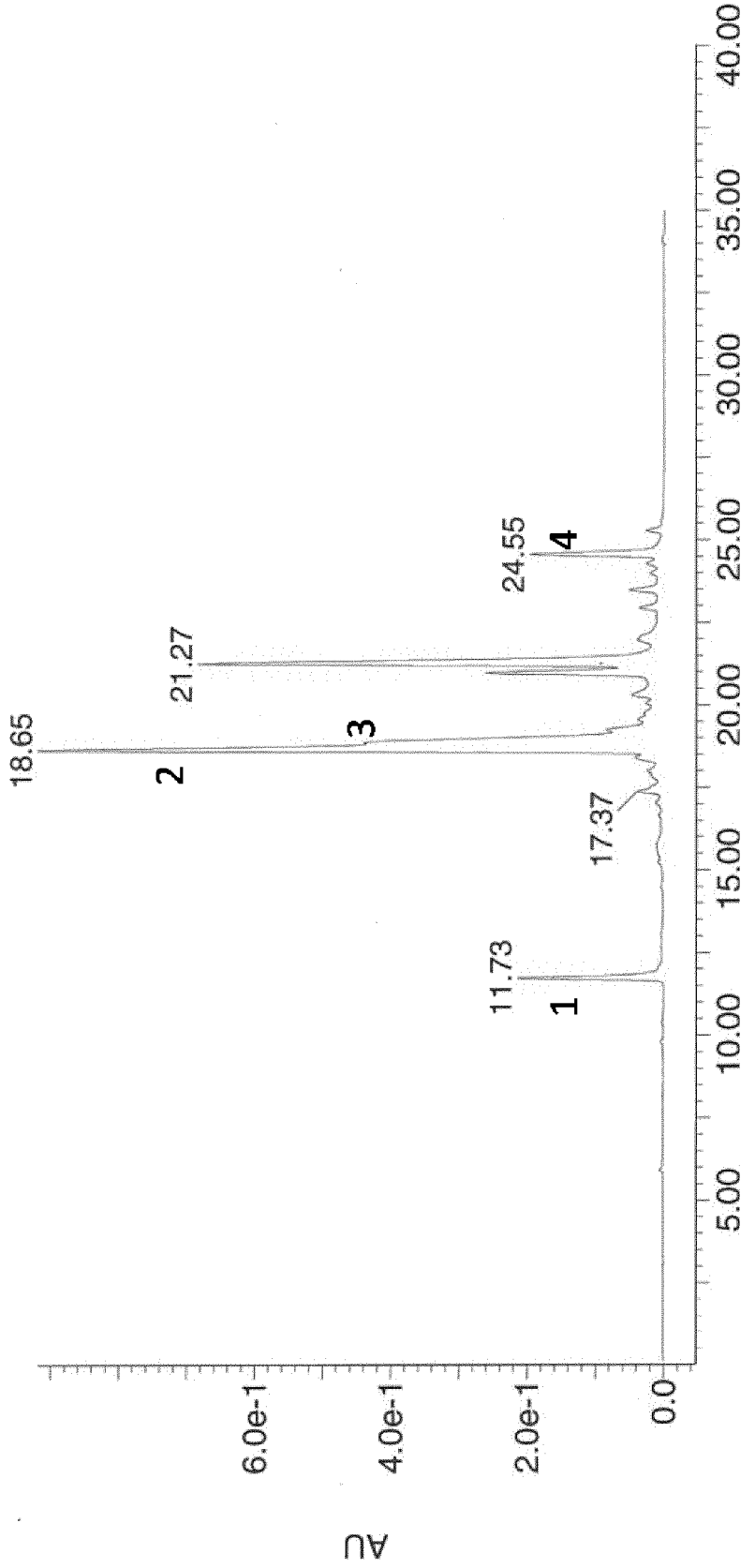

AU
6.0e-1
4.0e-1
2.0e-1
0.0
5.00
10.00
15.00
20.00
25.00
30.00
35.00
40.00
11.73
1
17.37
18.65
2
21.27
3
24.55
4

Figure 2A+B

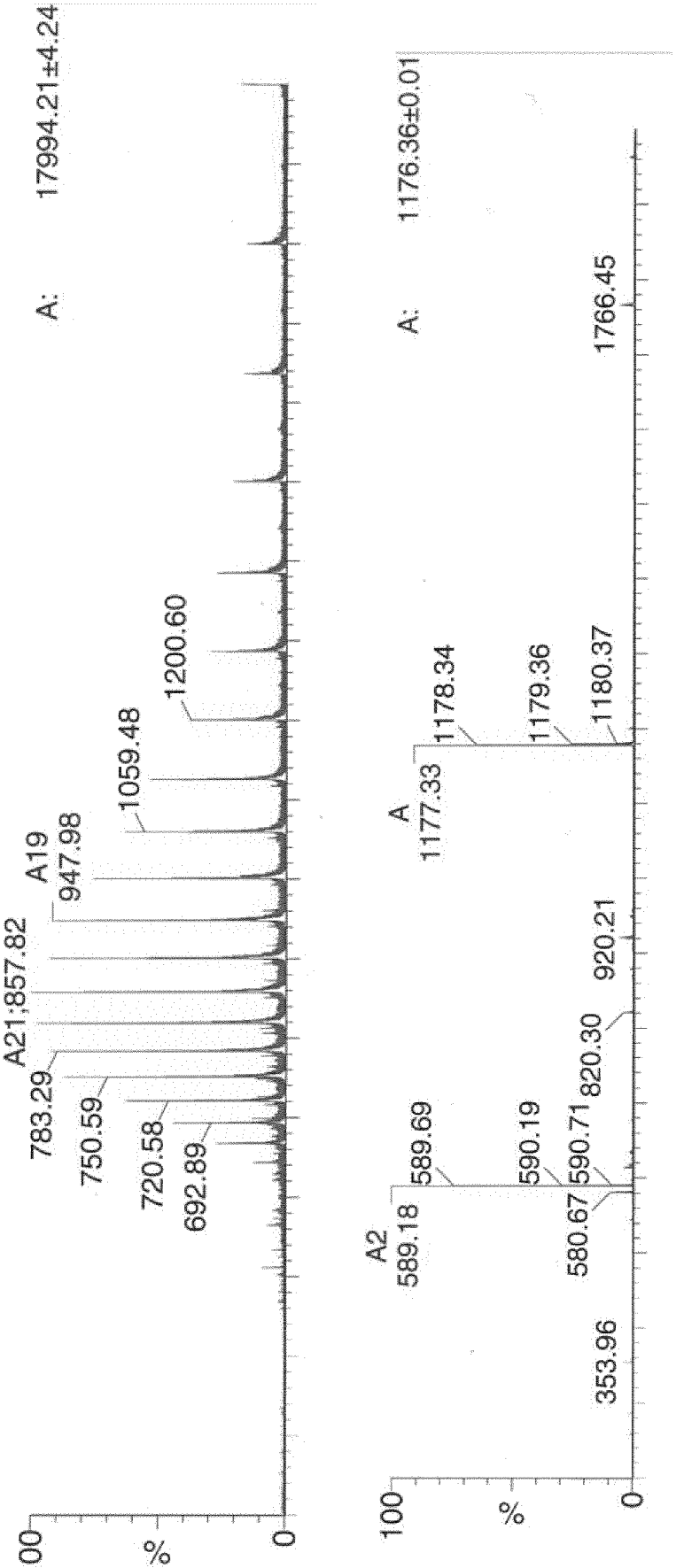

A: 17994.21±4.24
A21;857.82
A19
947.98
1059.48
1200.60
783.29
750.59
720.58
692.89
100
%
0
A: 1176.36±0.01
A
1177.33
1178.34
1179.36
1180.37
1766.45
A2
589.18
589.69
590.19
590.71
580.67
820.30
920.21
353.96
100
%
0

Figure 2C+D

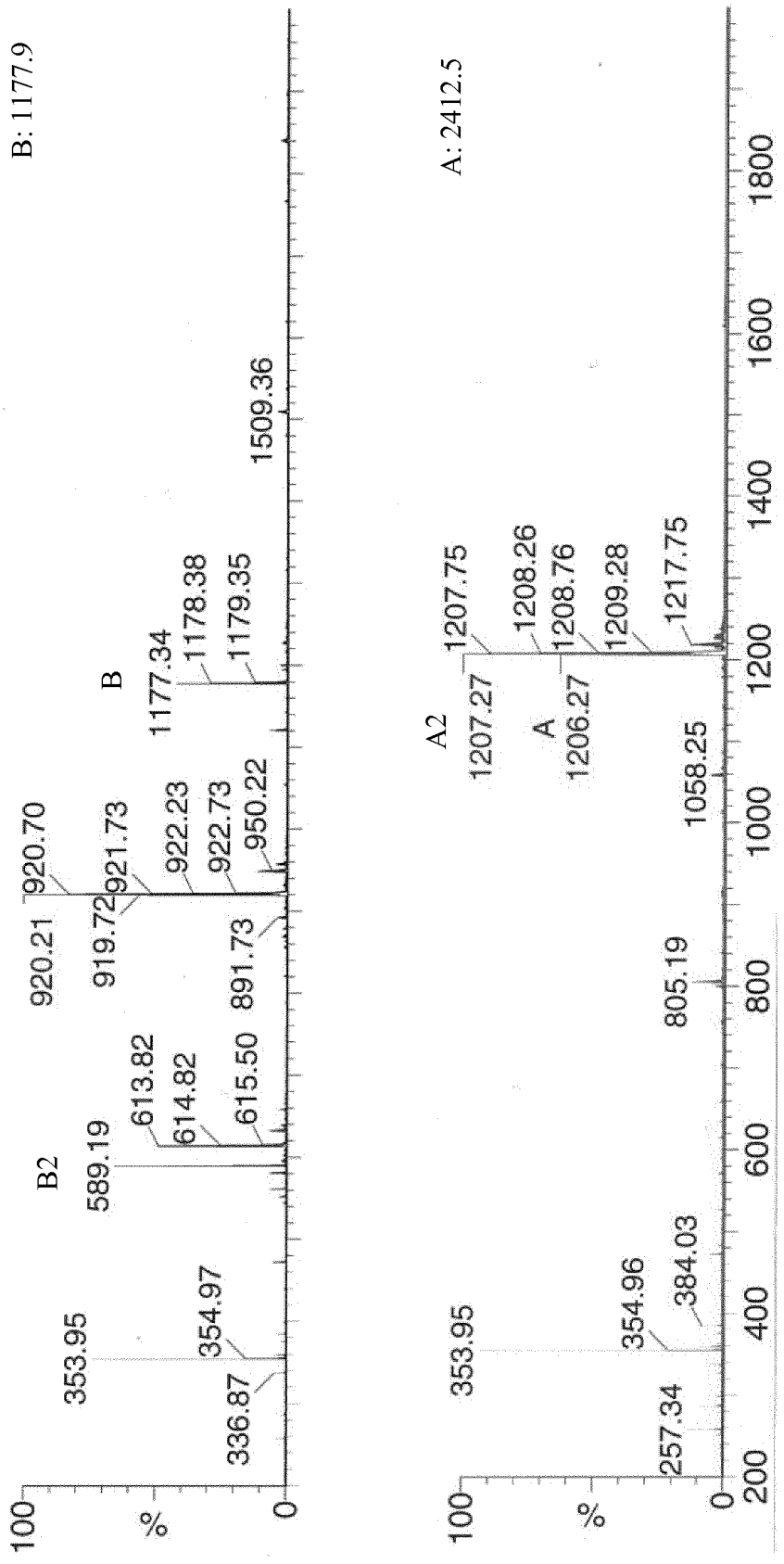

A: 1838.4
B: 1177.9
A2
B2
B
920.70
920.21
919.72
921.73
922.23
922.73
950.22
891.73
1177.34
1178.38
1179.35
1509.36
589.19
613.82
614.82
615.50
353.95
354.97
336.87
100
%
0
A: 2412.5
A2
A
1207.27
1207.75
1208.26
1208.76
1209.28
1206.27
1217.75
1058.25
805.19
353.95
354.96
384.03
257.34
100
%
0
200
400
600
800
1000
1200
1400
1600
1800
m/z

Figure 3

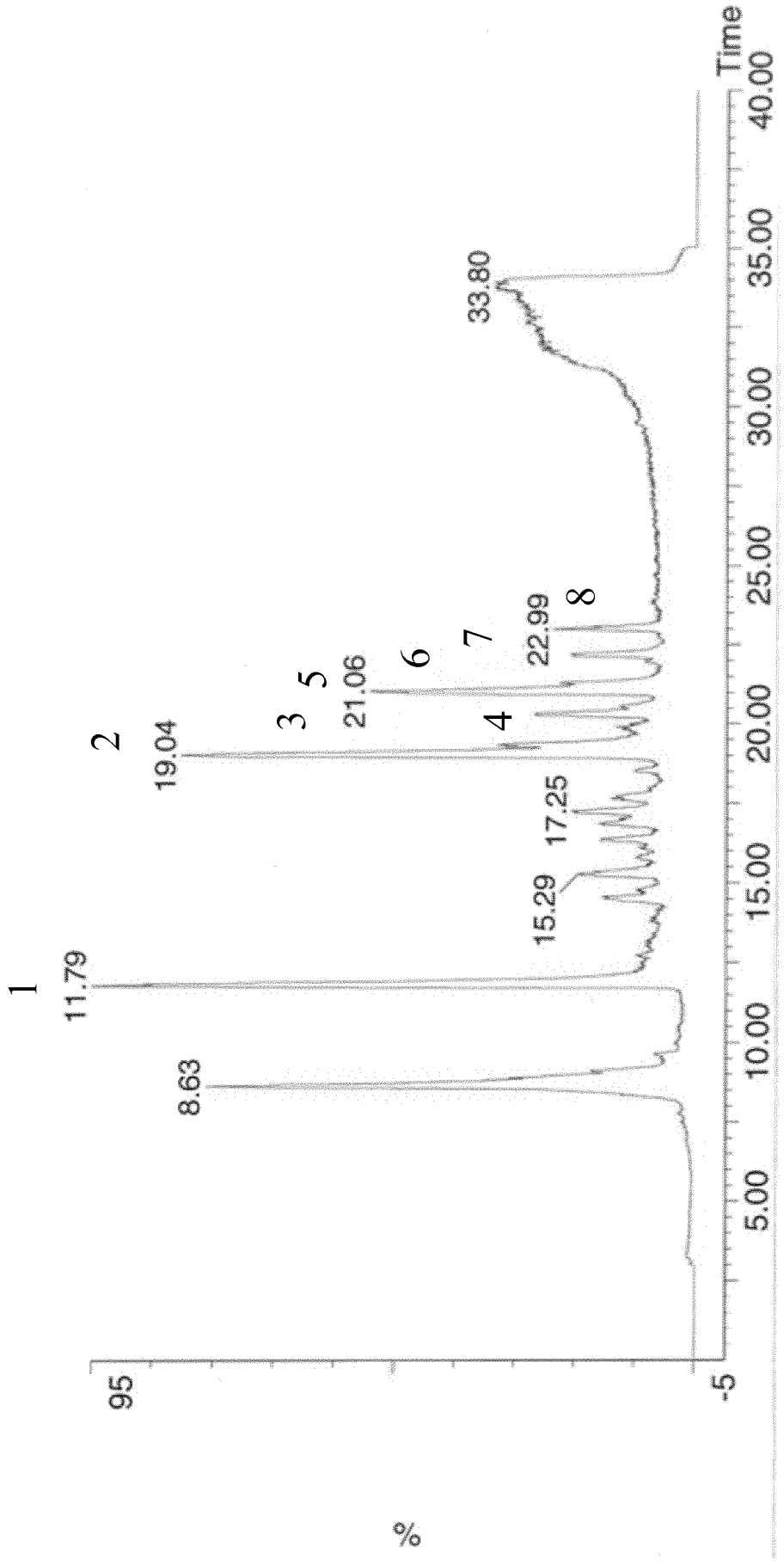

Time
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
-5
95
%
1
11.79
8.63
2
19.04
15.29
17.25
3
4
5
21.06
6
7
22.99
8
33.80

Figure 4A+B

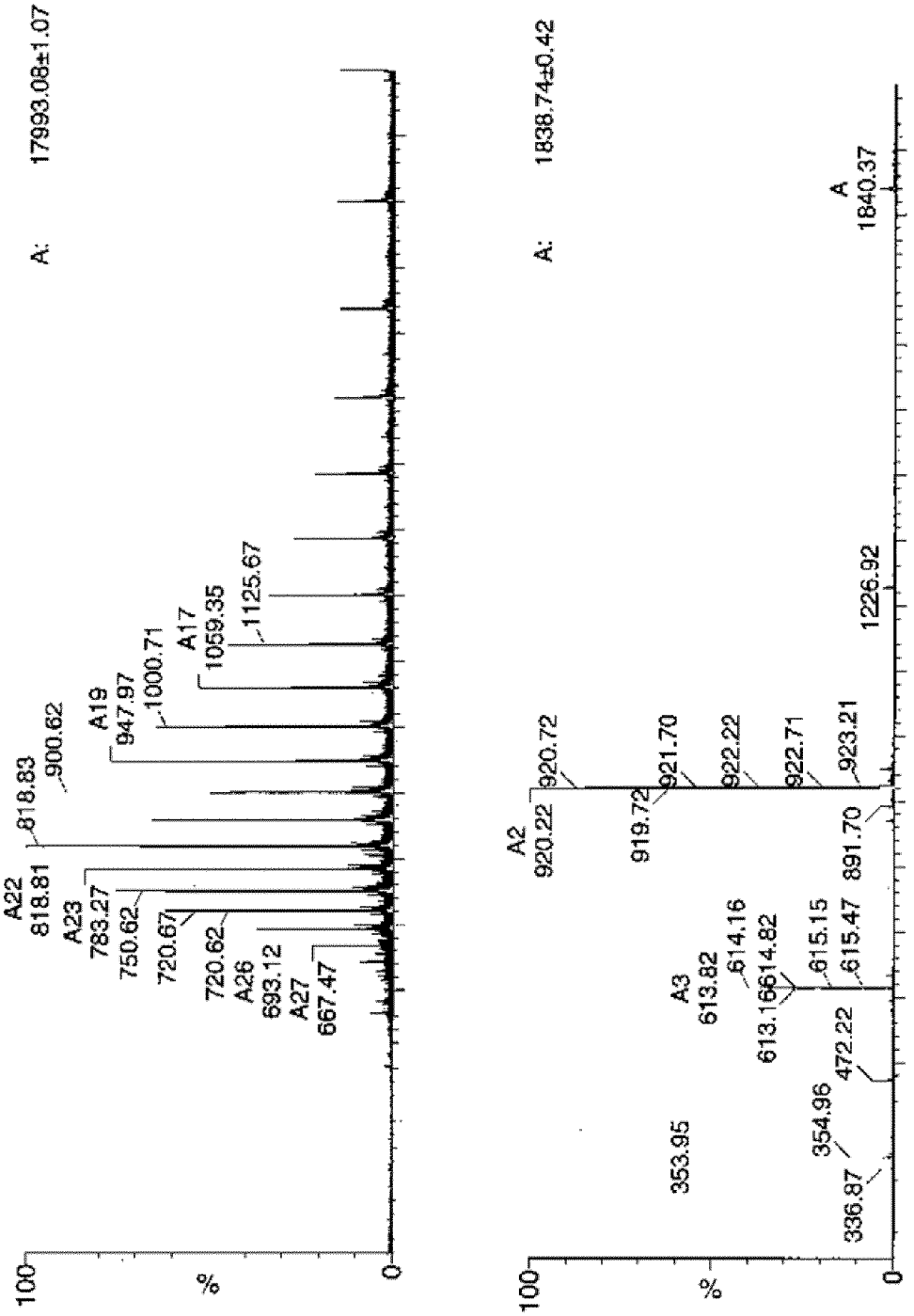

A: 17993.08±1.07
A22
818.81
A23
783.27
750.62
720.67
720.62
A26
693.12
A27
667.47
818.83
900.62
A19
947.97
1000.71
A17
1059.35
1125.67
100
%
0
A: 1838.74±0.42
A2
920.22
920.72
919.72
921.70
922.22
922.71
923.21
891.70
A3
613.82
614.16
613.16
614.82
615.15
615.47
472.22
354.96
353.95
336.87
A
1840.37
1226.92
100
%
0

Figure 4C+D

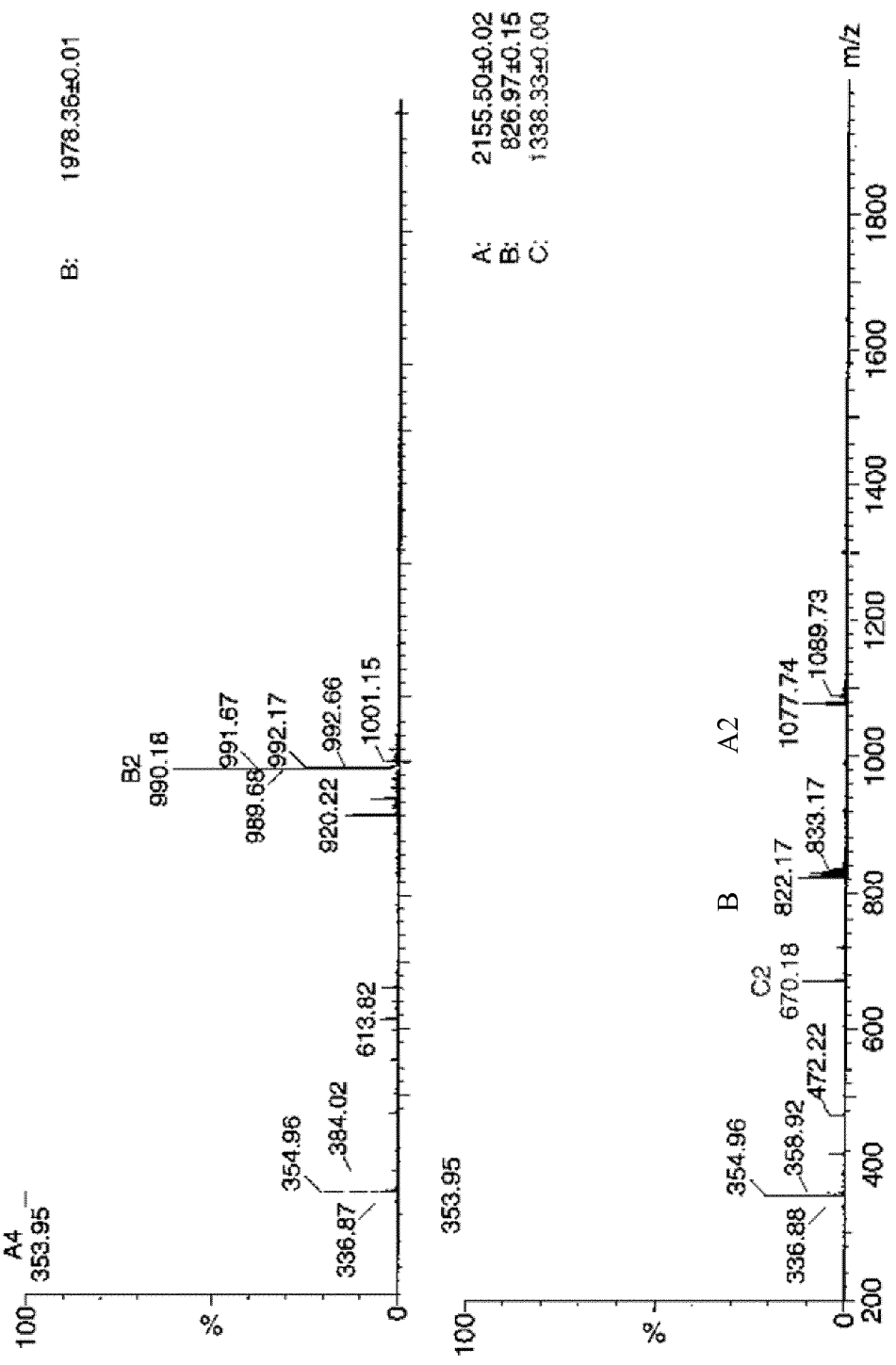

A4
353.95
100
%
0
354.96
384.02
336.87
613.82
B2
990.18
991.67
989.68
992.17
920.22
992.66
1001.15
B:
1978.36±0.01
A:
2155.50±0.02
B:
826.97±0.15
C:
1338.33±0.00
353.95
100
%
0
336.88
354.96
358.92
472.22
C2
670.18
B
822.17
833.17
A2
1077.74
1089.73
200
400
600
800
1000
1200
1400
1600
1800
m/z

Figure 4E+F

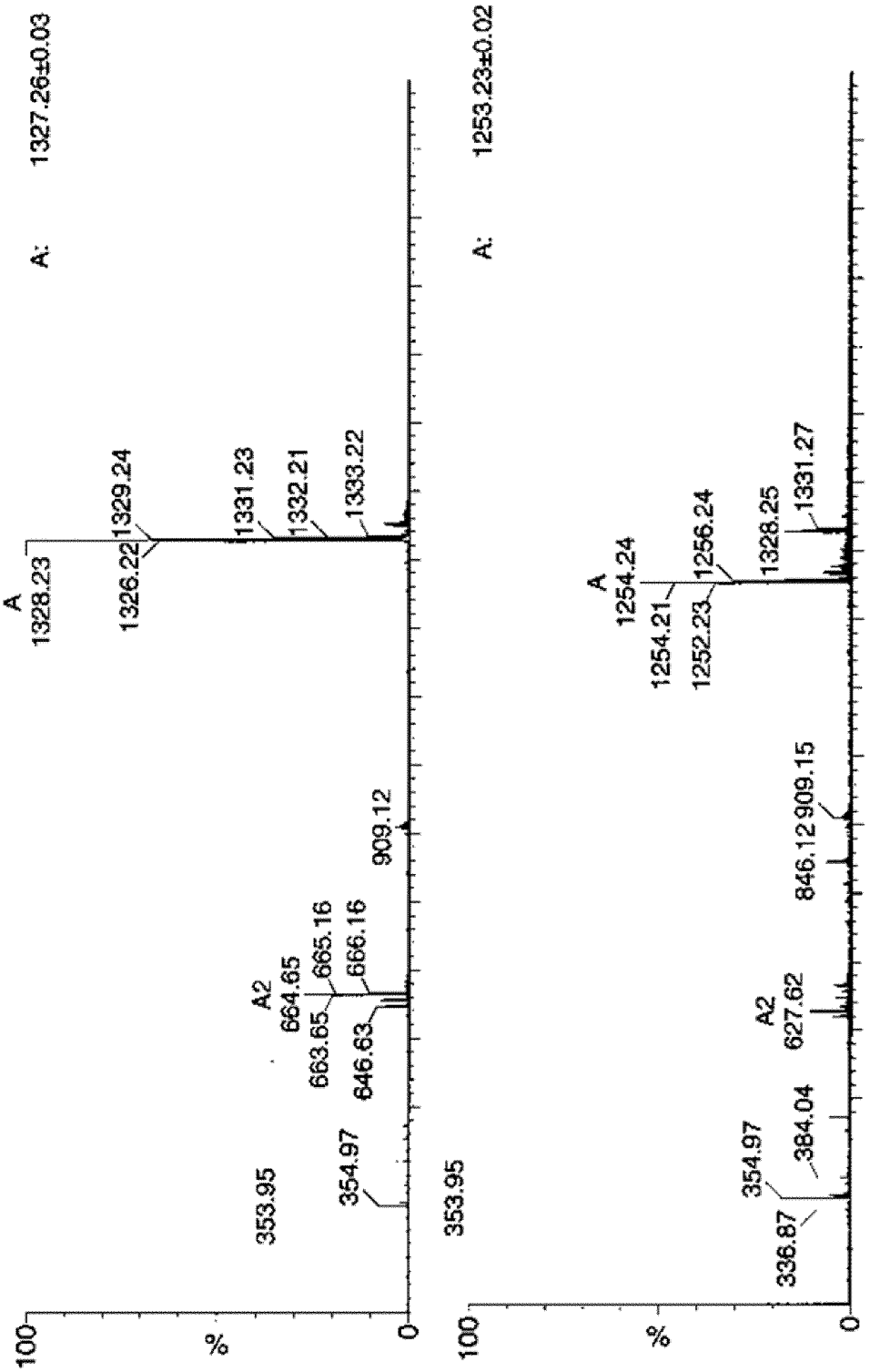

A: 1327.26±0.03
A
1328.23
1326.22
1329.24
1331.23
1332.21
1333.22
A2
664.65
663.65
665.16
666.16
646.63
909.12
353.95
354.97
100
%
0
A: 1253.23±0.02
A
1254.24
1254.21
1252.23
1256.24
1328.25
1331.27
A2
627.62
846.12
909.15
354.97
384.04
336.87
353.95
100
%
0

Figure 4G+H

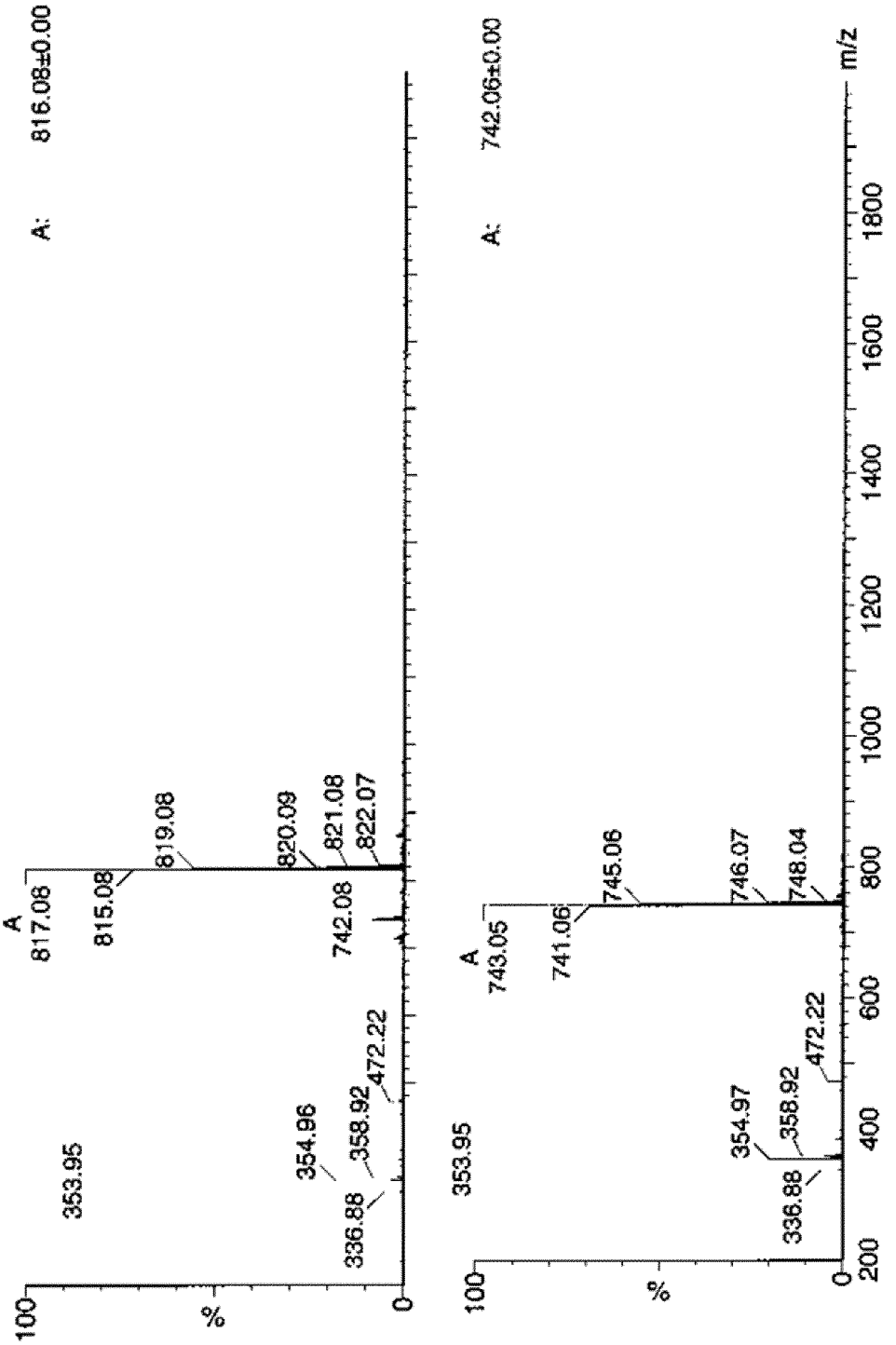

A: 816.08±0.00
A
817.08
815.08
819.08
820.09
821.08
822.07
742.08
353.95
354.96
358.92
472.22
336.88
100
%
0
A: 742.06±0.00
A
743.05
741.06
745.06
746.07
748.04
353.95
354.97
358.92
472.22
336.88
100
%
0
200
400
600
800
1000
1200
1400
1600
1800
m/z

Figure 5

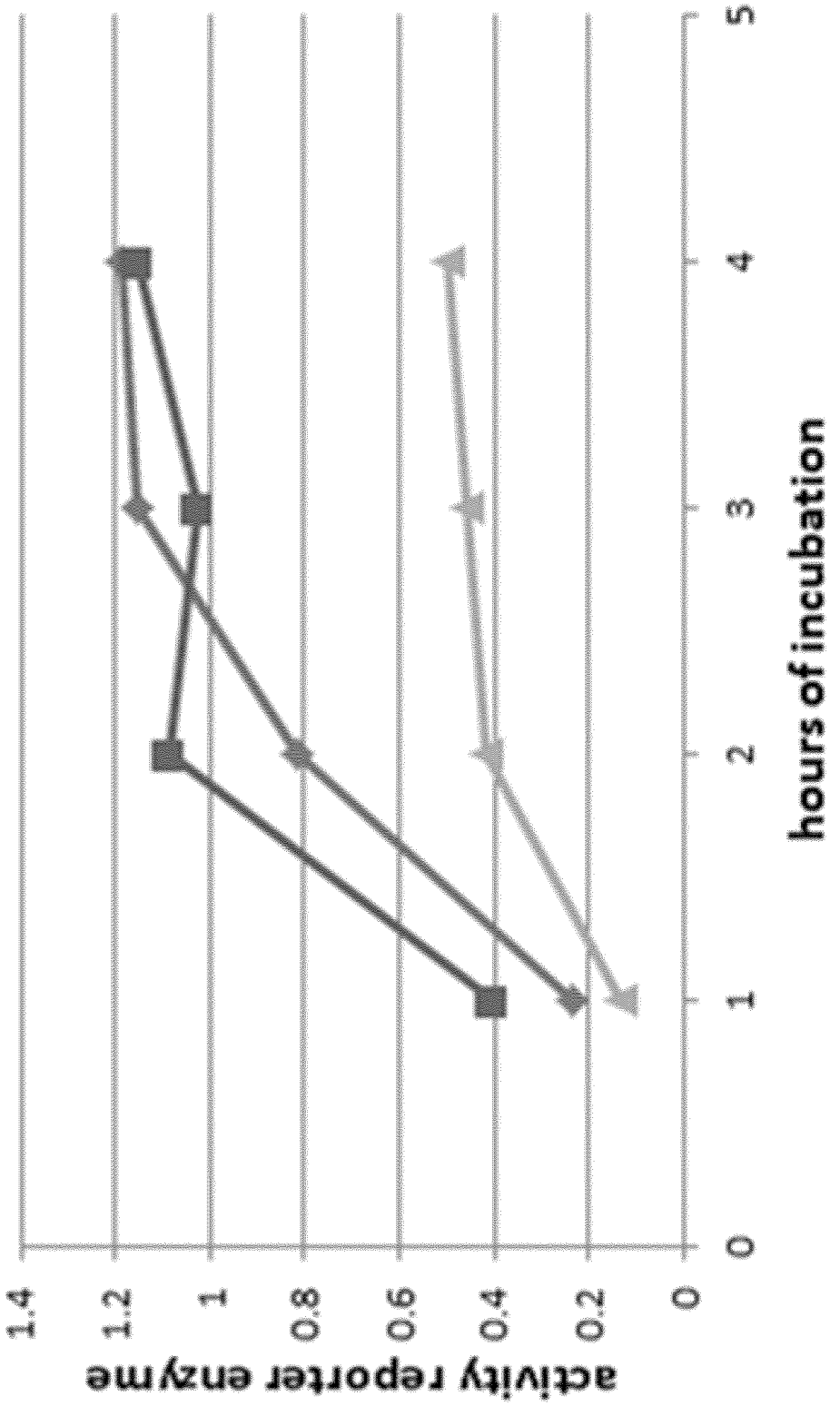

activity reporter enzyme
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
1
2
3
4
5
hours of incubation

Figure 6

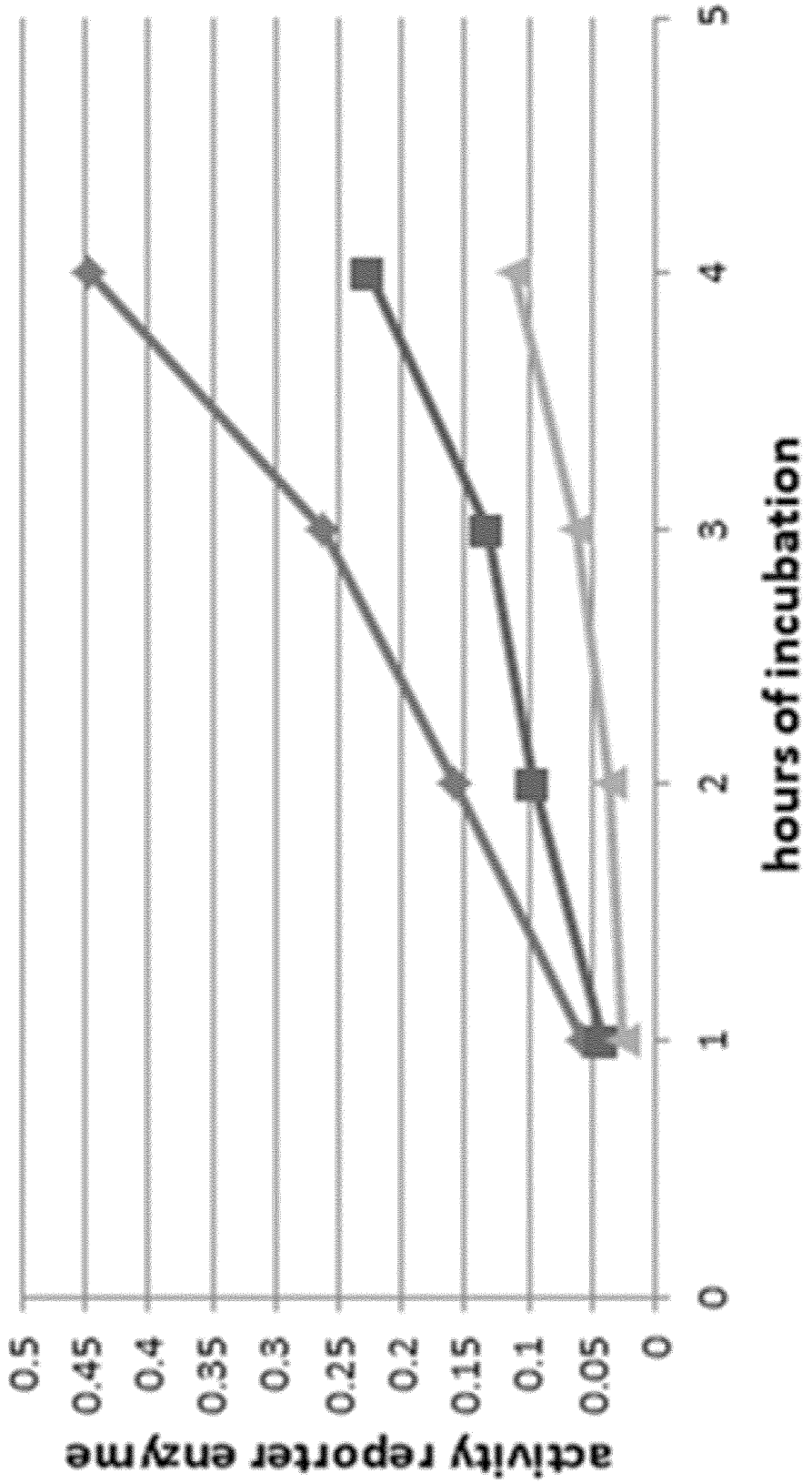

activity reporter enzyme
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
1
2
3
4
5
hours of incubation

Figure 7

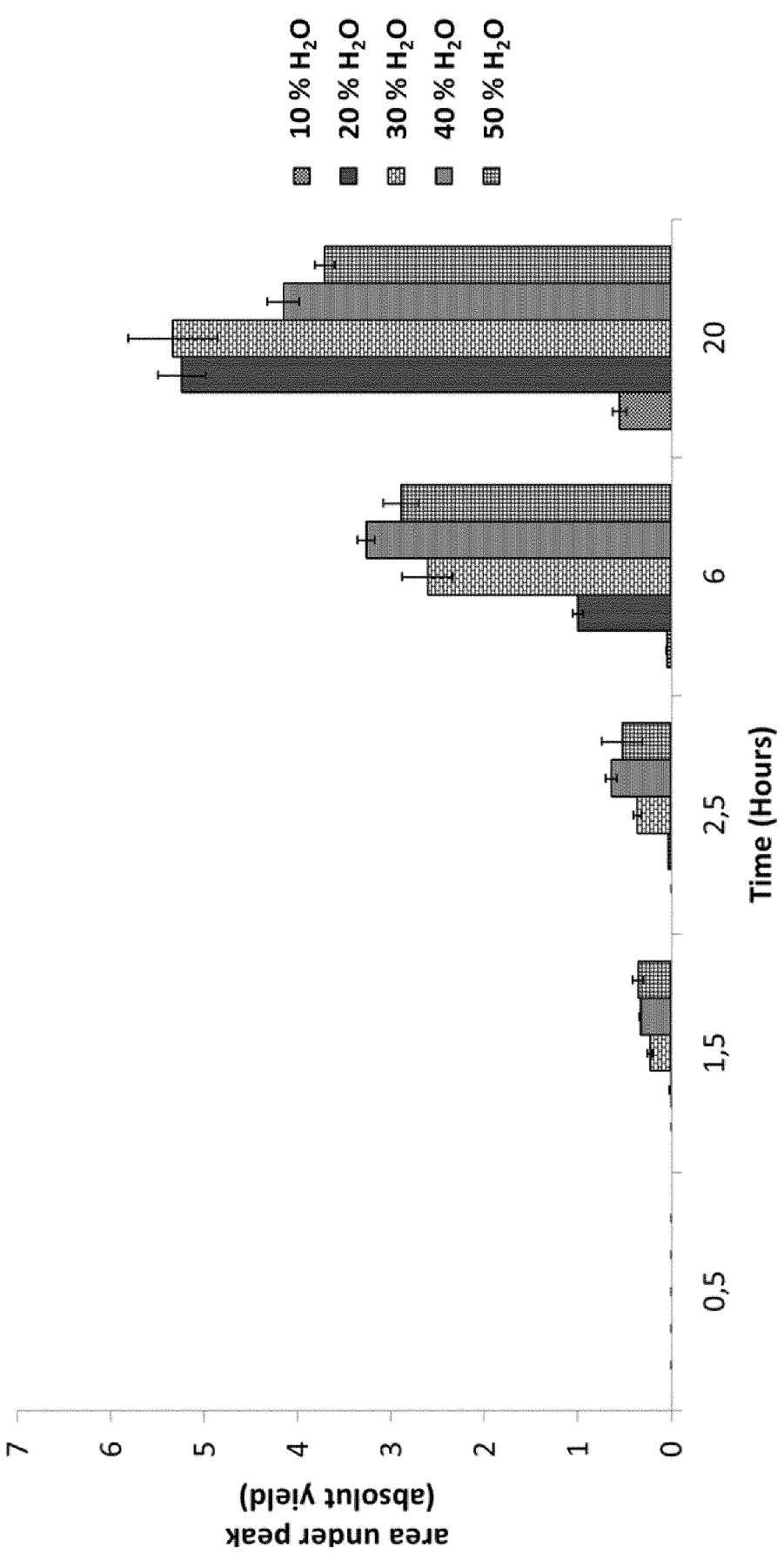
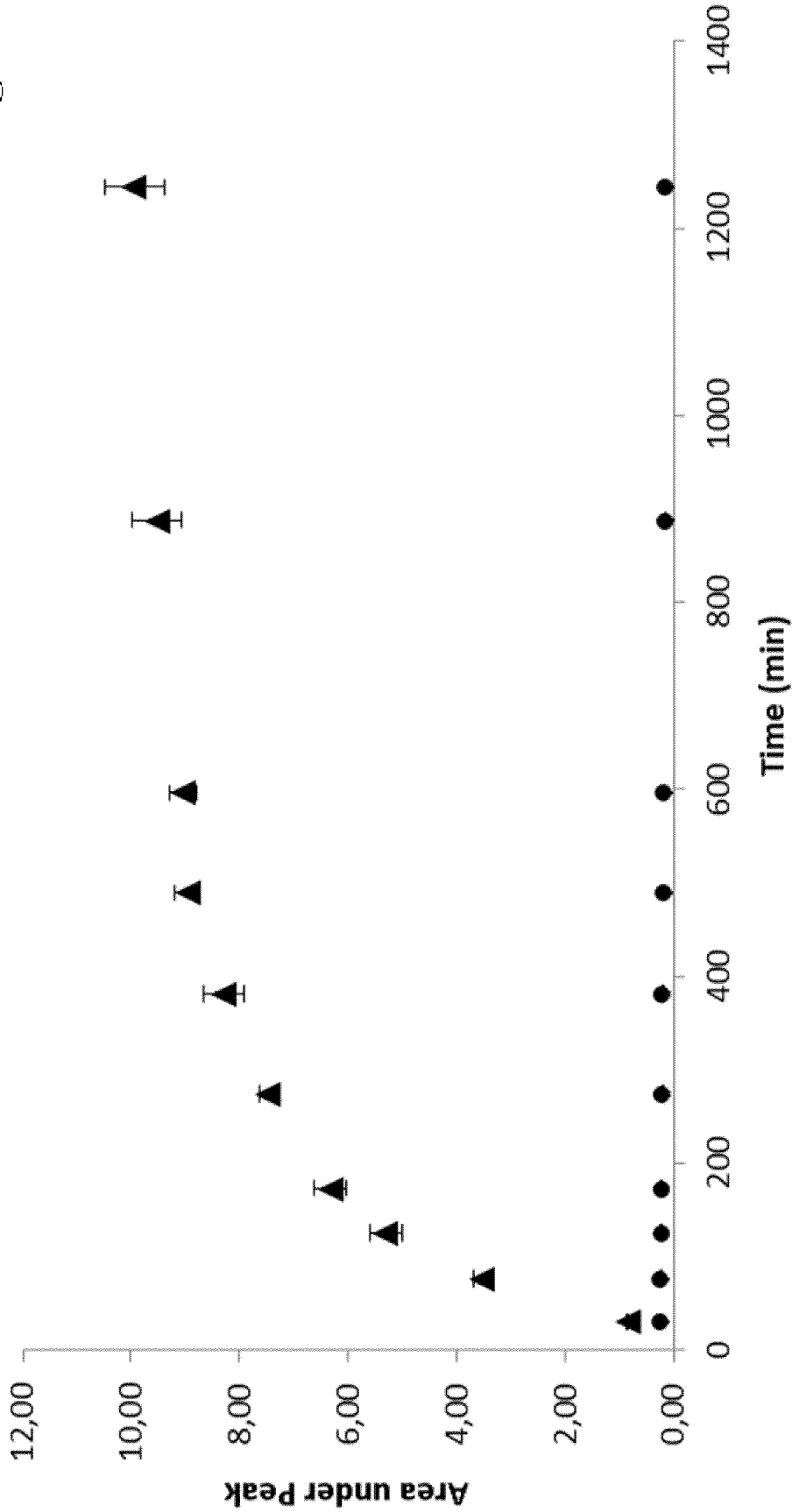

10 % H2O
20 % H2O
30 % H2O
40 % H2O
50 % H2O
area under peak
(absolut yield)
0
1
2
3
4
5
6
7
0,5
1,5
2,5
6
20
Time (Hours)

Figure 8


Area under Peak
12,00
10,00
8,00
6,00
4,00
2,00
0,00
0
200
400
600
800
1000
1200
1400
Time (min)