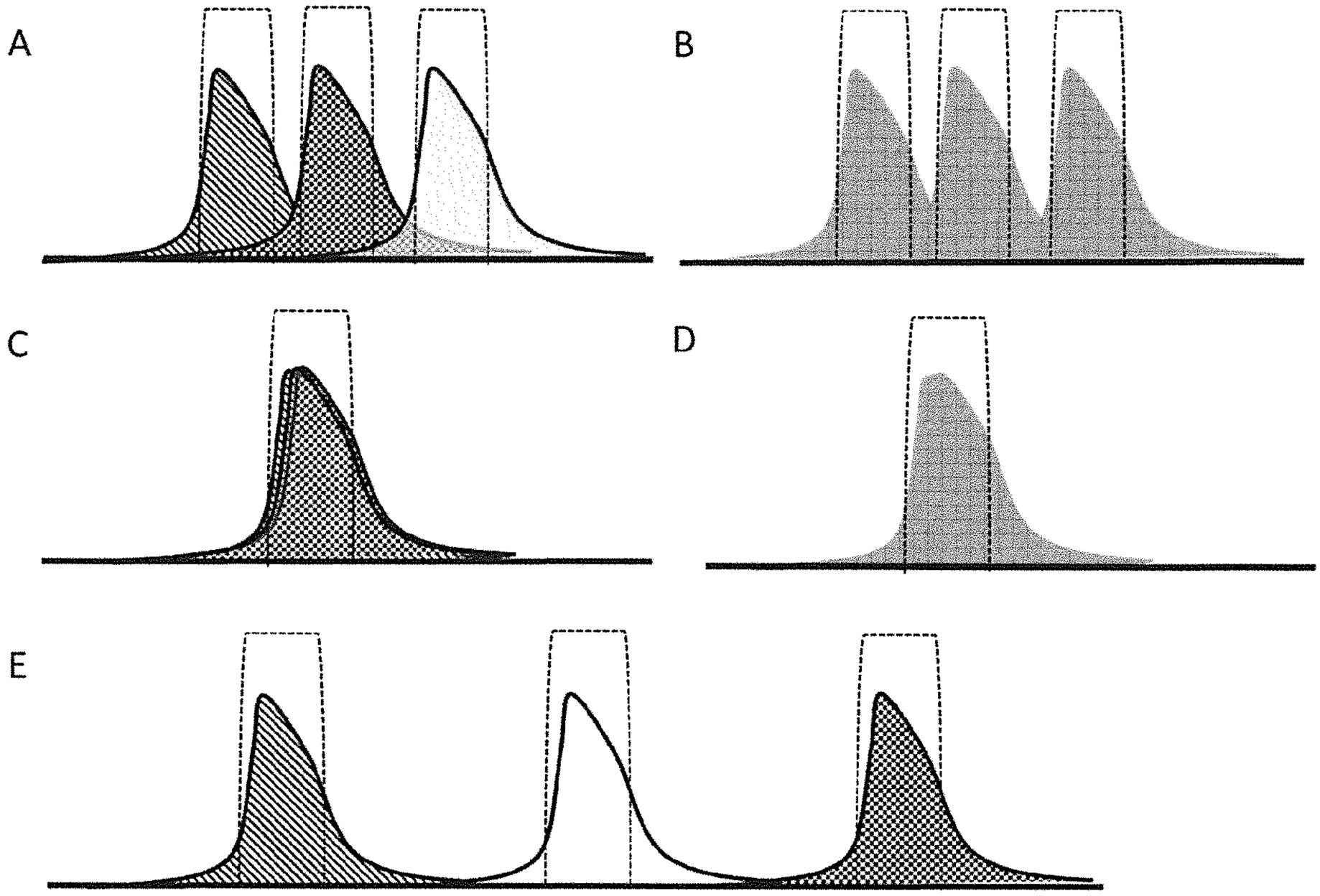

Fig. 1

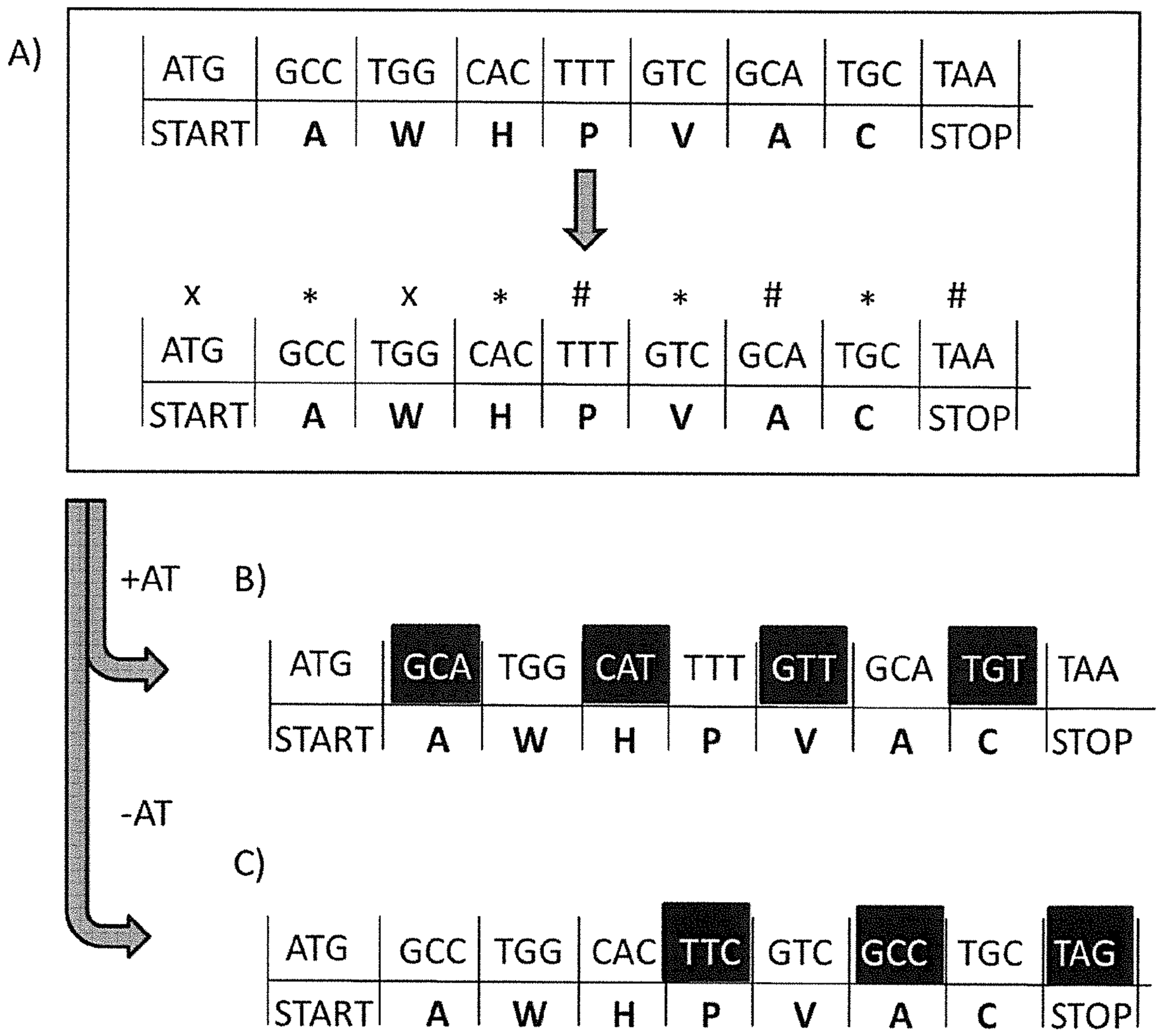
A)
ATG GCC TGG CAC TTT GTC GCA TGC TAA
START A W H P V A C STOP
X * X * # * # * #
ATG GCC TGG CAC TTT GTC GCA TGC TAA
START A W H P V A C STOP
+AT
B)
ATG GCA TGG CAT TTT GTT GCA TGT TAA
START A W H P V A C STOP
-AT
C)
ATG GCC TGG CAC TTC GTC GCC TGC TAG
START A W H P V A C STOP

Fig. 2

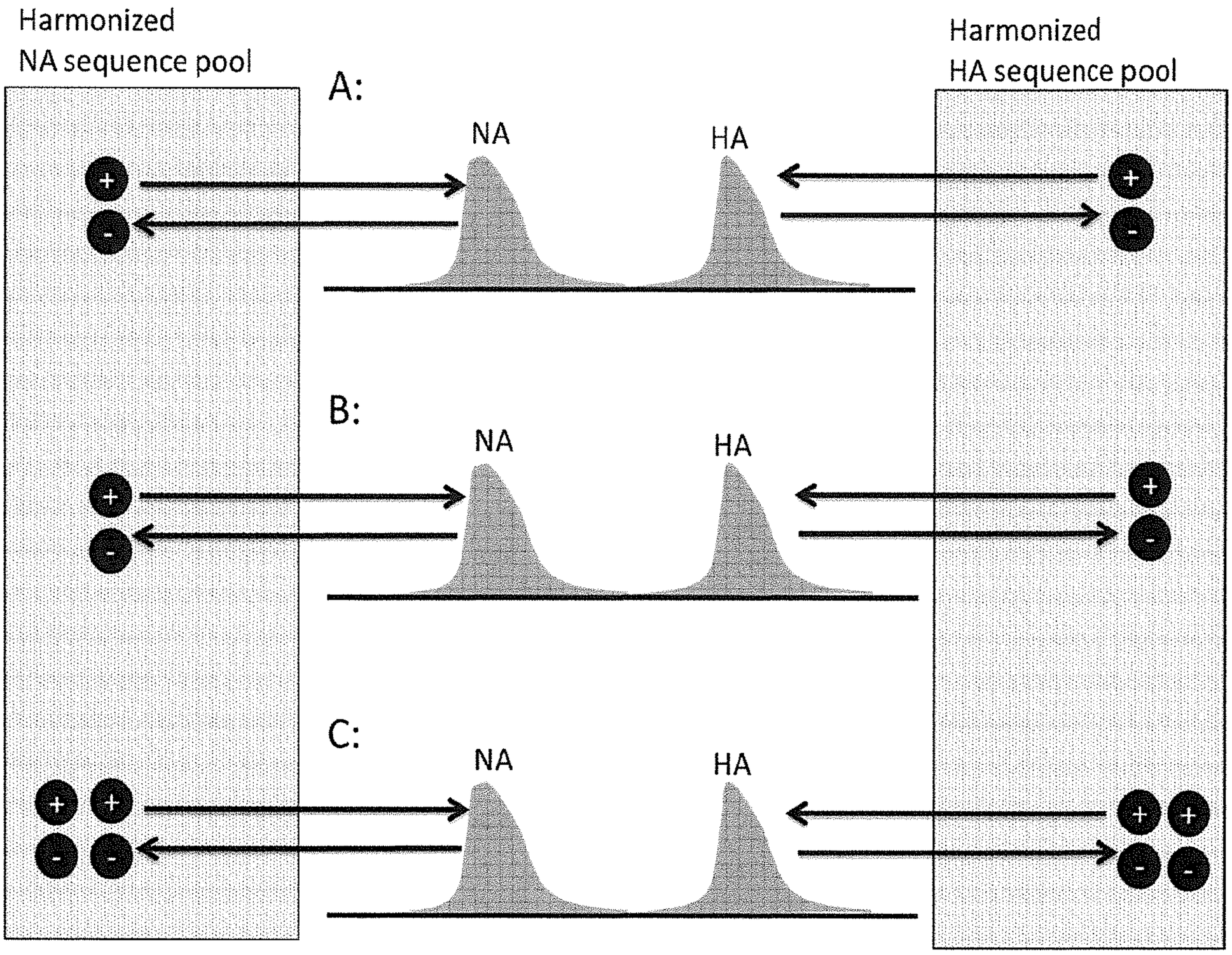
Harmonized
NA sequence pool
Harmonized
HA sequence pool
A:
NA
HA
B:
NA
HA
C:
NA
HA

Fig. 3

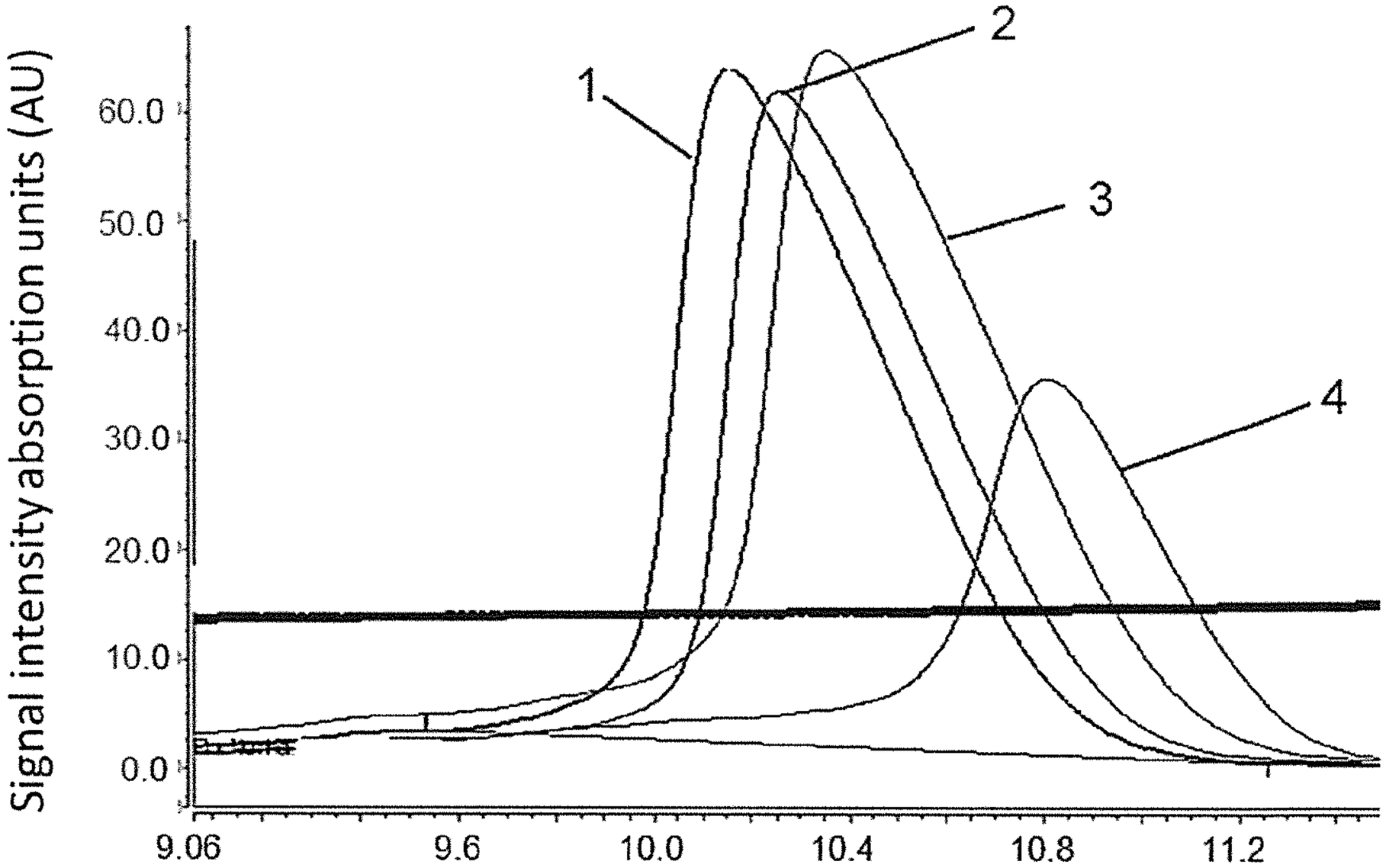
Signal intensity absorption units (AU)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
9.06
9.6
10.0
10.4
10.8
11.2
Retention time [min]
1
2
3
4

Fig. 4

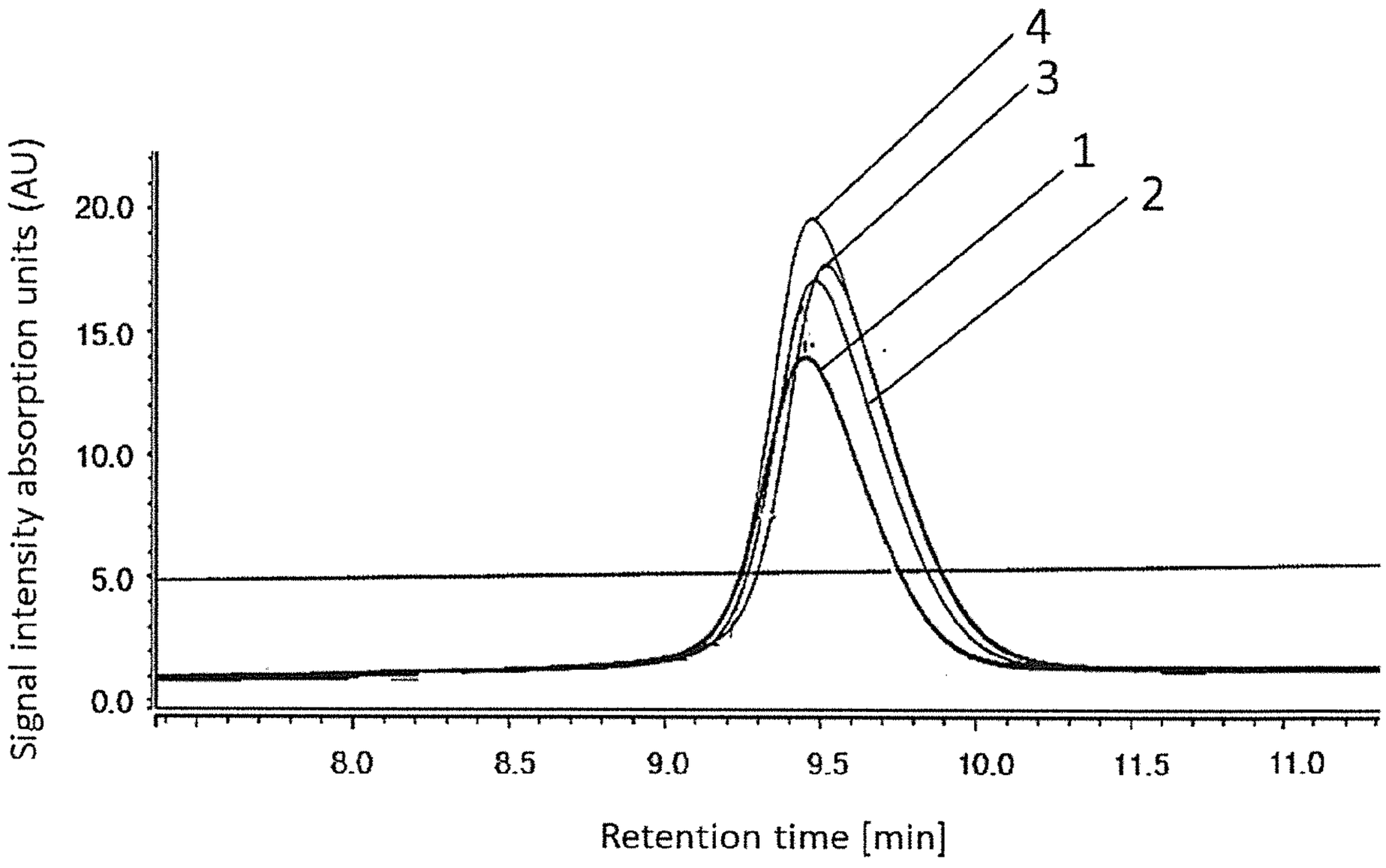
4
3
1
2
Signal intensity absorption units (AU)
20.0
15.0
10.0
5.0
0.0
8.0
8.5
9.0
9.5
10.0
11.5
11.0
Retention time [min]

Fig. 5A

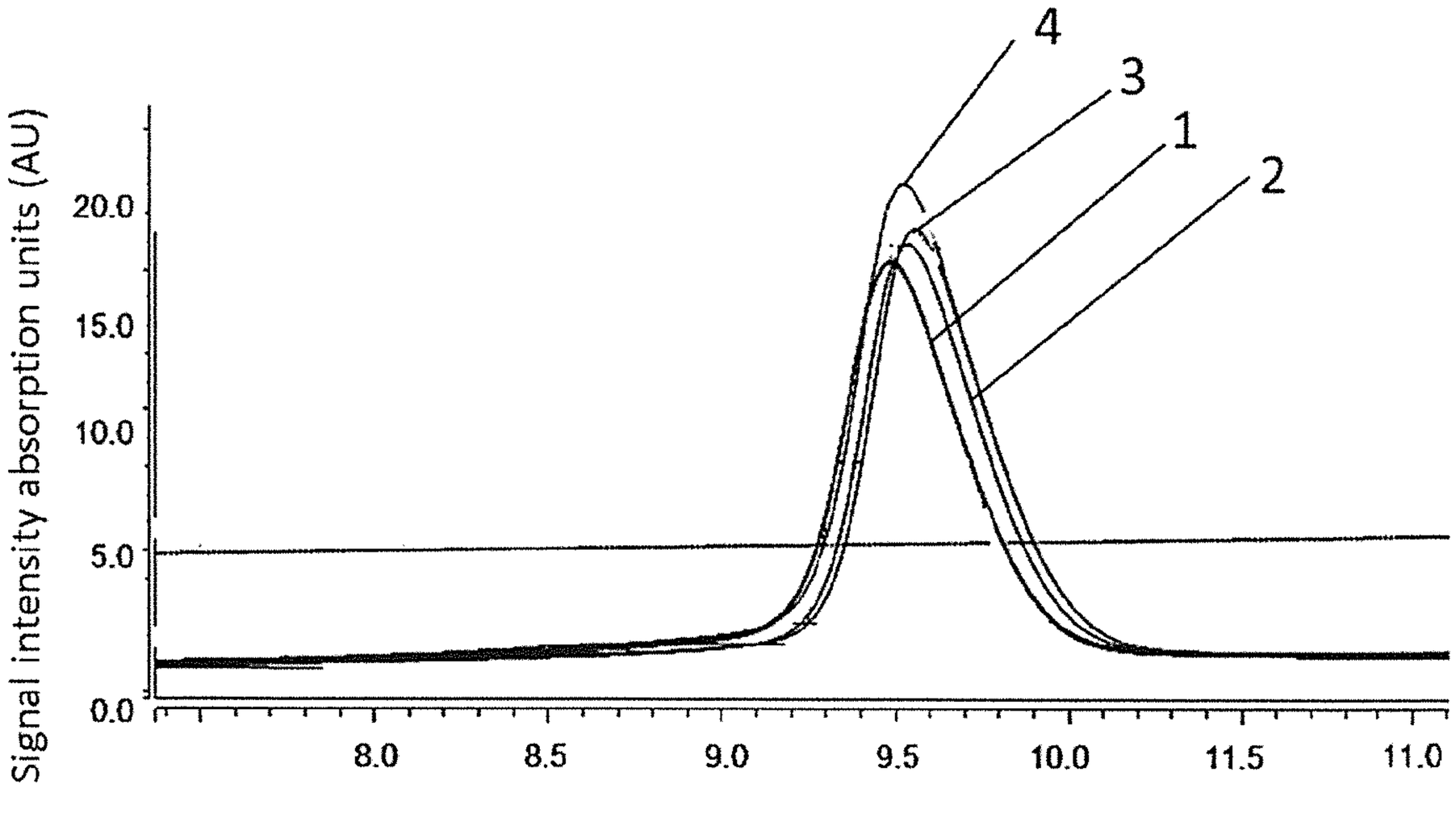
4
3
1
2
Signal intensity absorption units (AU)
20.0
15.0
10.0
5.0
0.0
8.0
8.5
9.0
9.5
10.0
11.5
11.0
Retention time [min]

Fig. 5B

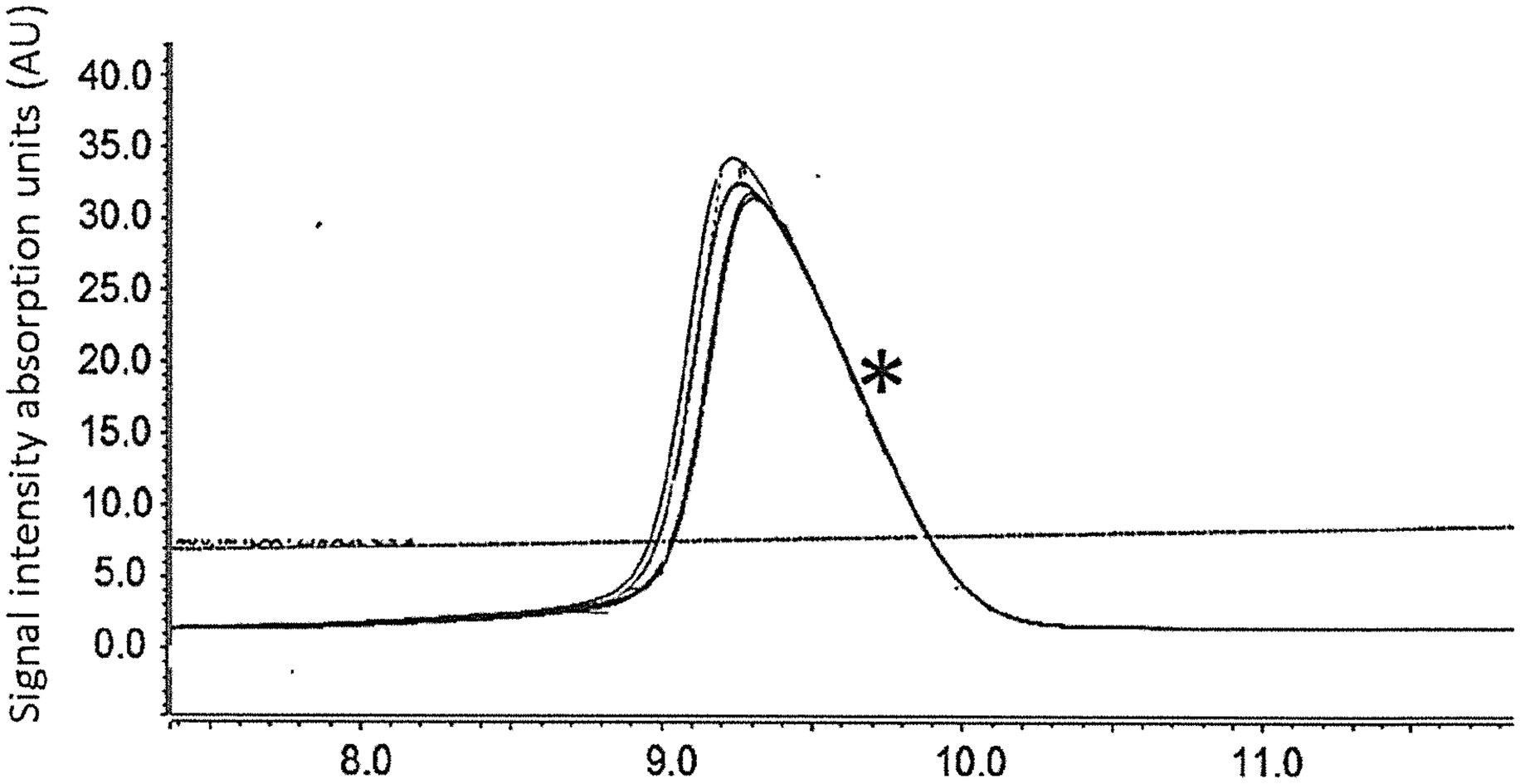
Signal intensity absorption units (AU)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
*
8.0
9.0
10.0
11.0
Retention time [min]

Fig. 6

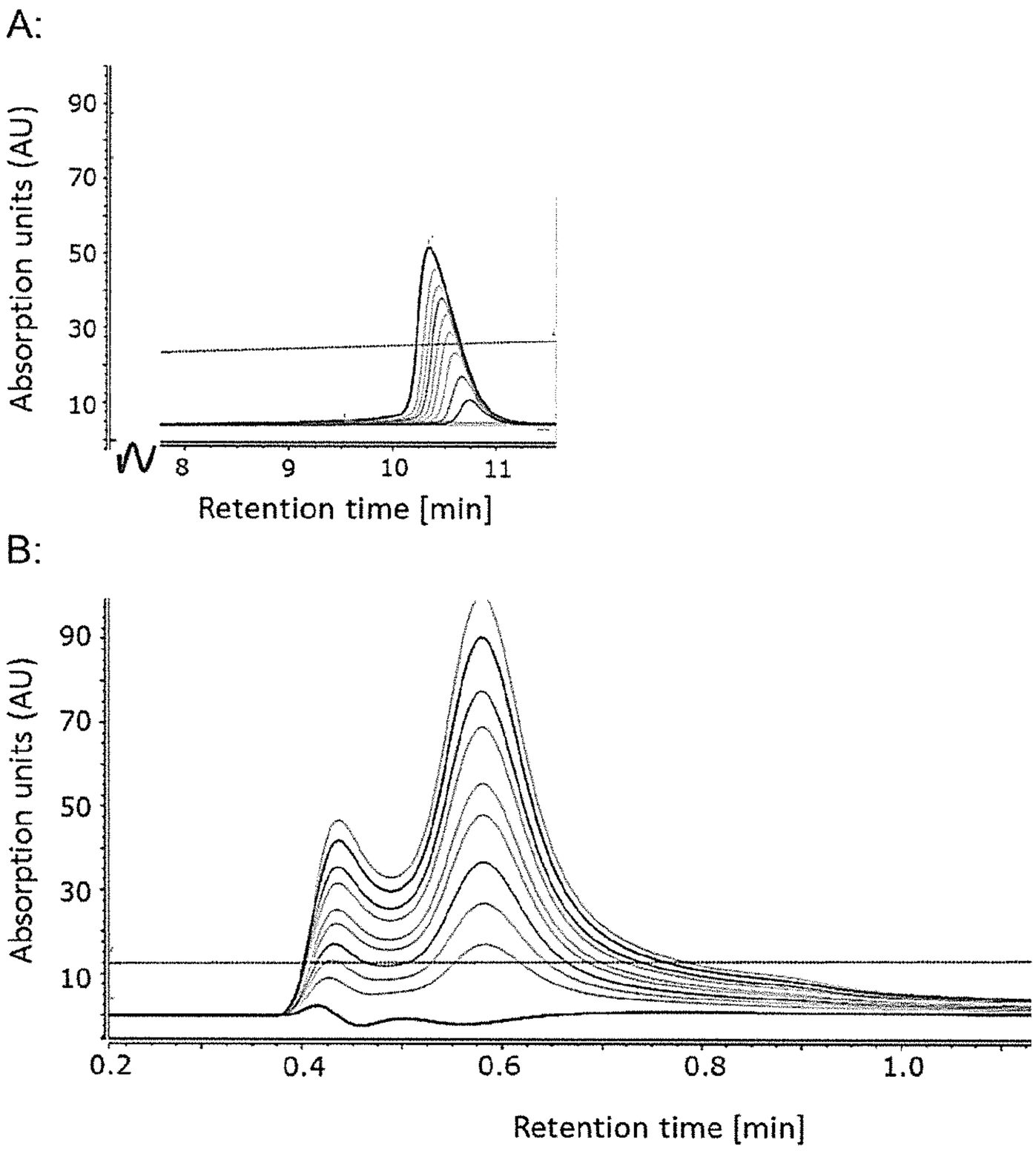
A:
Absorption units (AU)
90
70
50
30
10
8
9
10
11
Retention time [min]
B:
Absorption units (AU)
90
70
50
30
10
0.2
0.4
0.6
0.8
1.0
Retention time [min]

Fig. 7

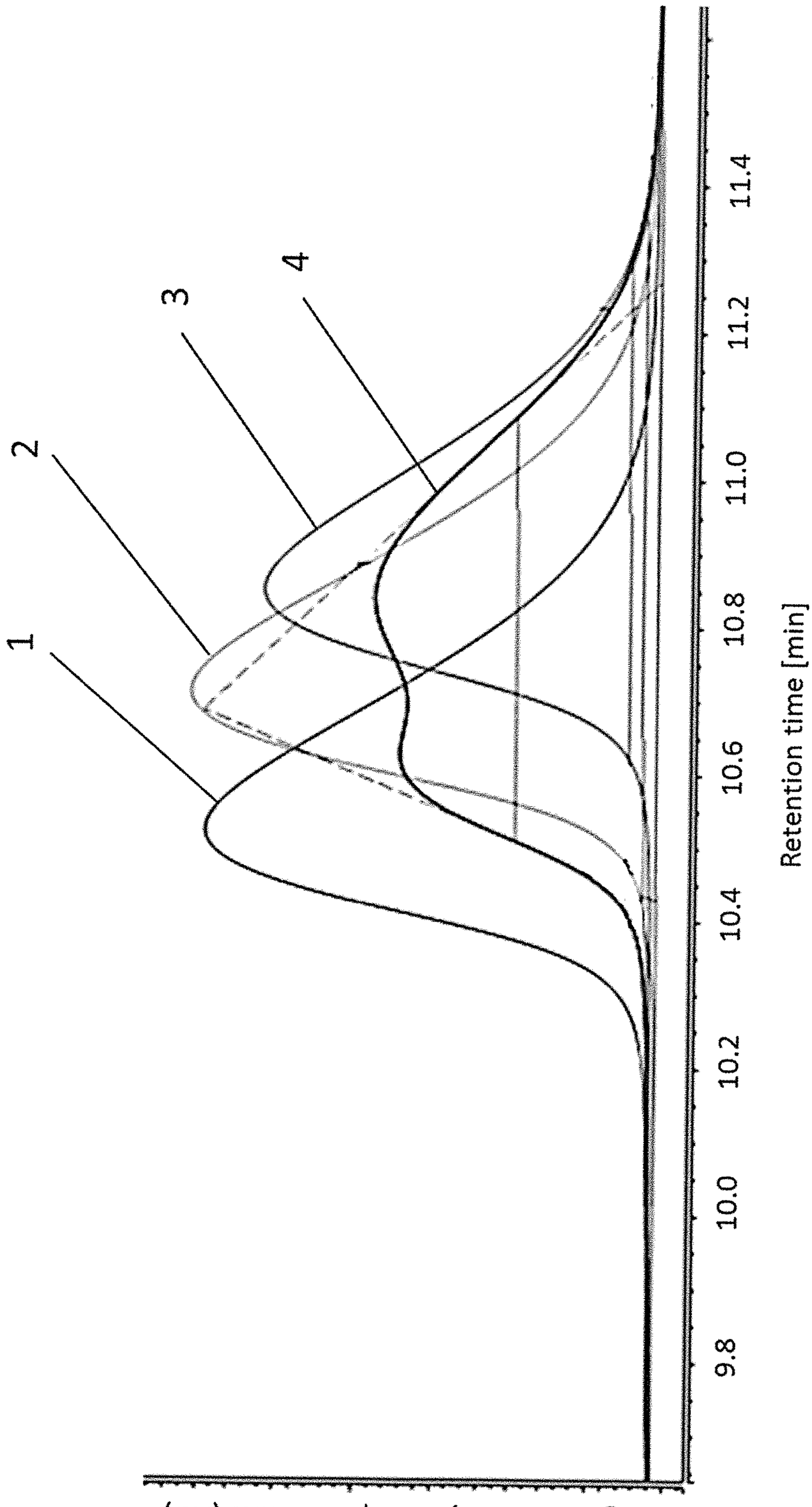
1
2
3
4
Signal intensity absorption units (AU)
9.8
10.0
10.2
10.4
10.6
10.8
11.0
11.2
11.4
Retention time [min]

Fig. 8A

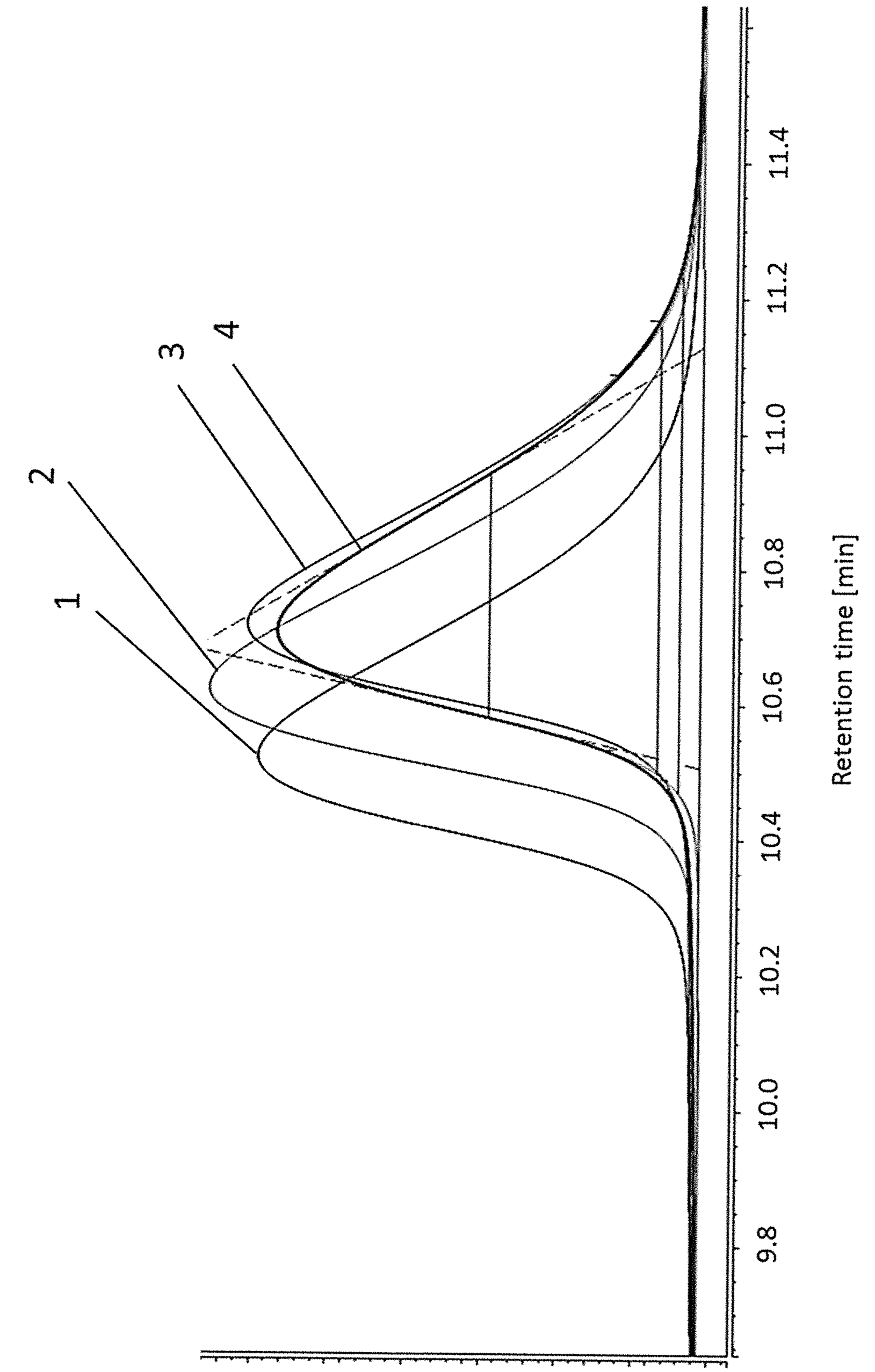
1
2
3
4
Signal intensity absorption units (AU)
9.8
10.0
10.2
10.4
10.6
10.8
11.0
11.2
11.4
Retention time [min]

Fig. 8B

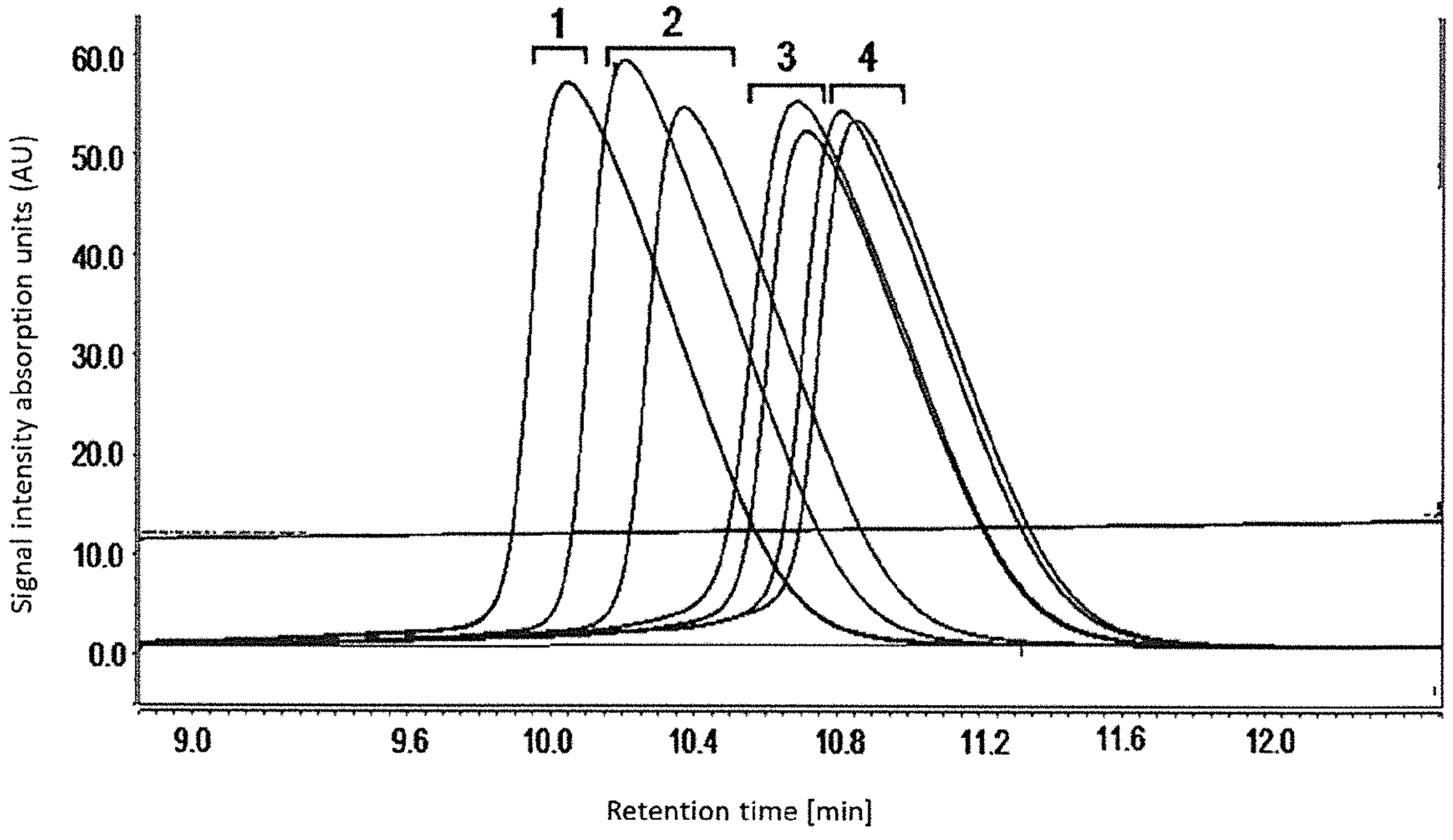
1
2
3
4
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Signal intensity absorption units (AU)
9.0
9.6
10.0
10.4
10.8
11.2
11.6
12.0
Retention time [min]

Fig. 9

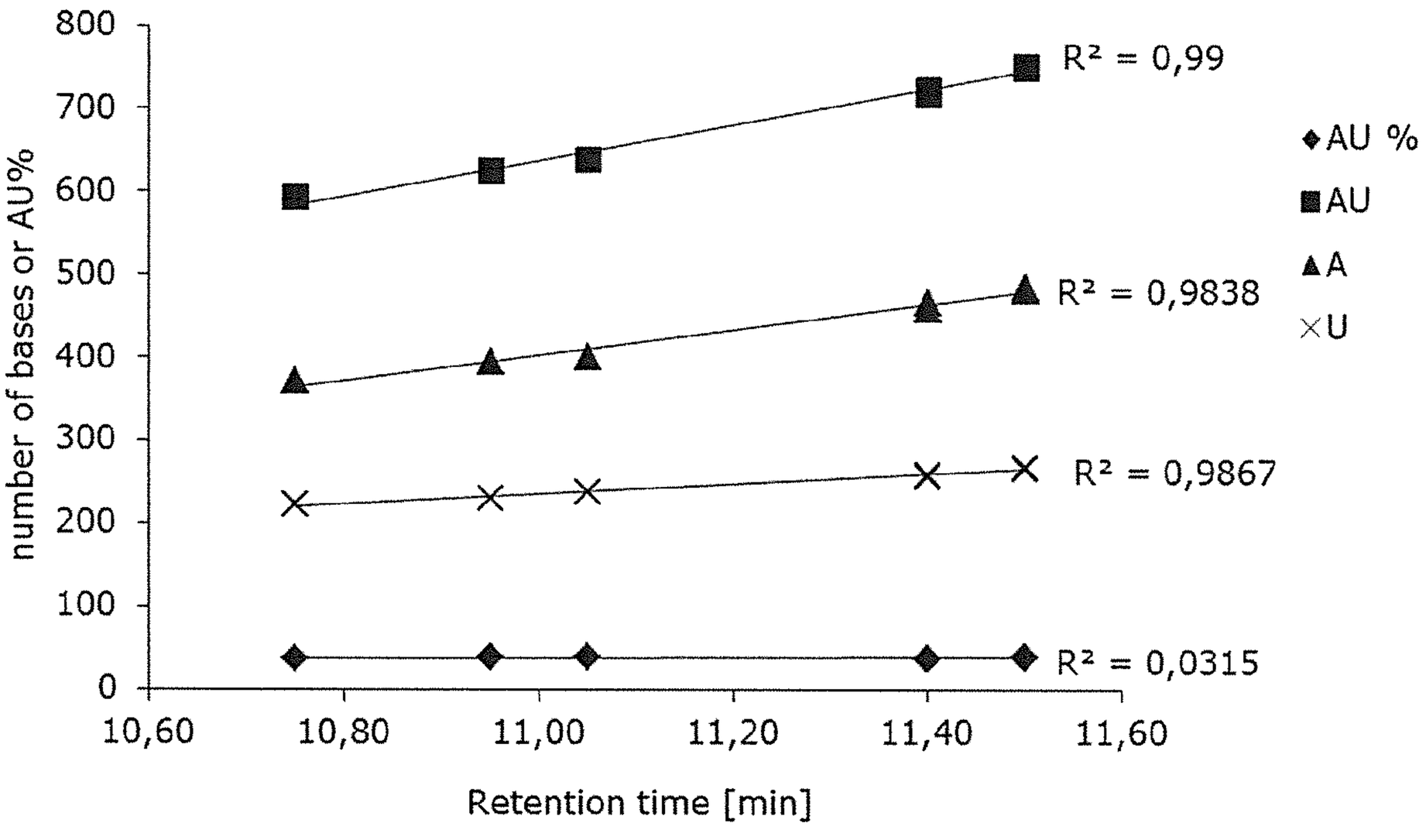

Fig. 10A

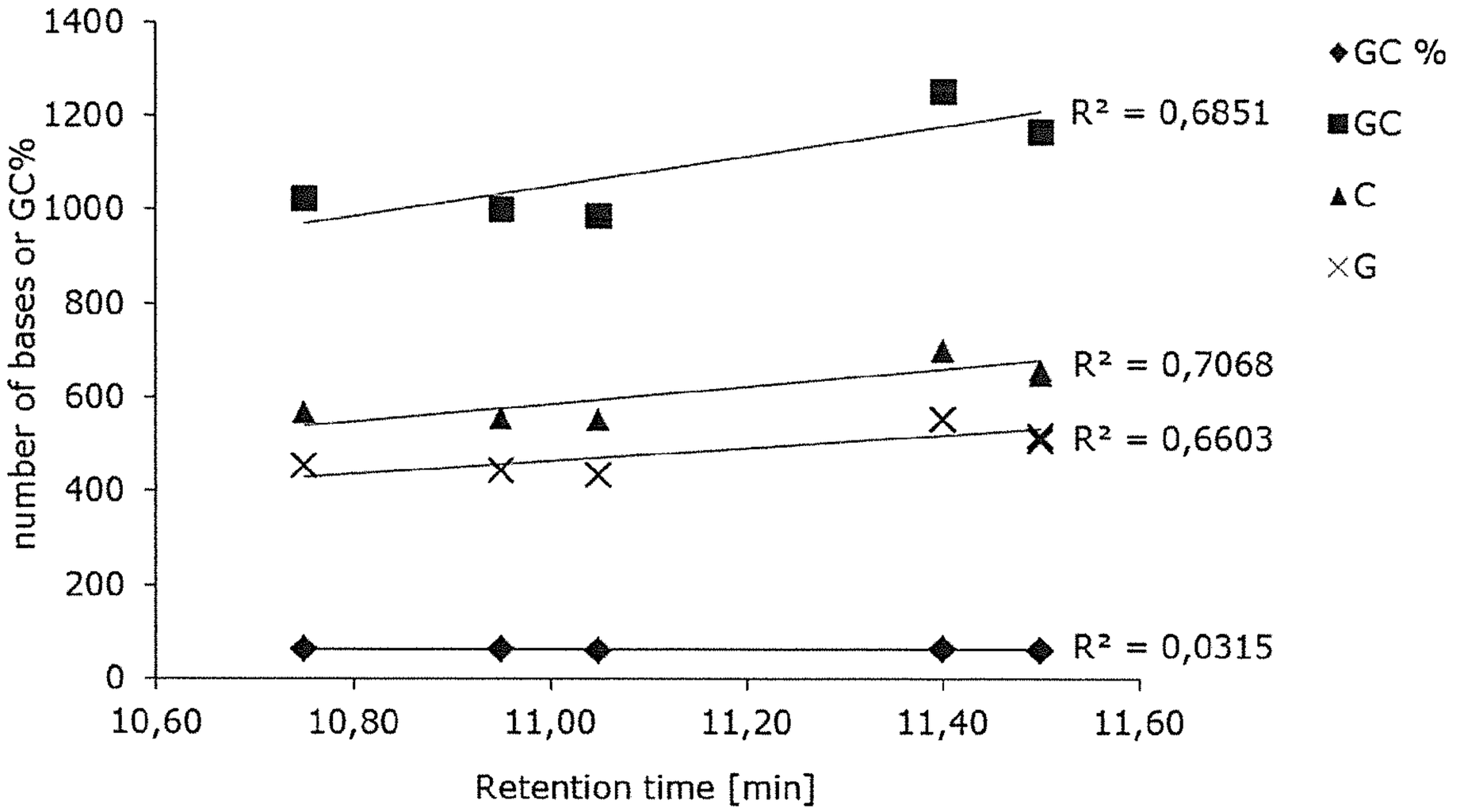

Fig. 10B

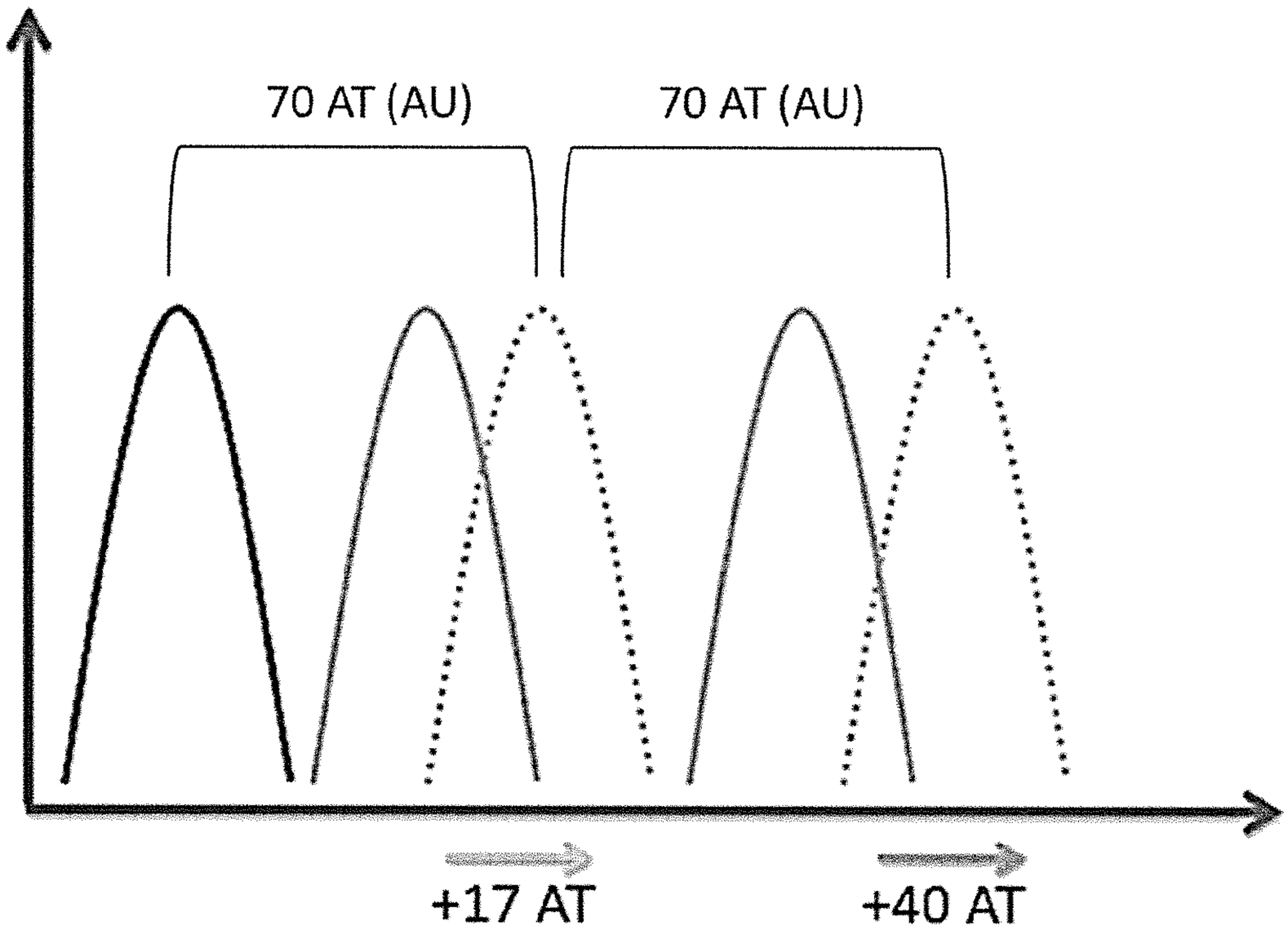

Fig. 11

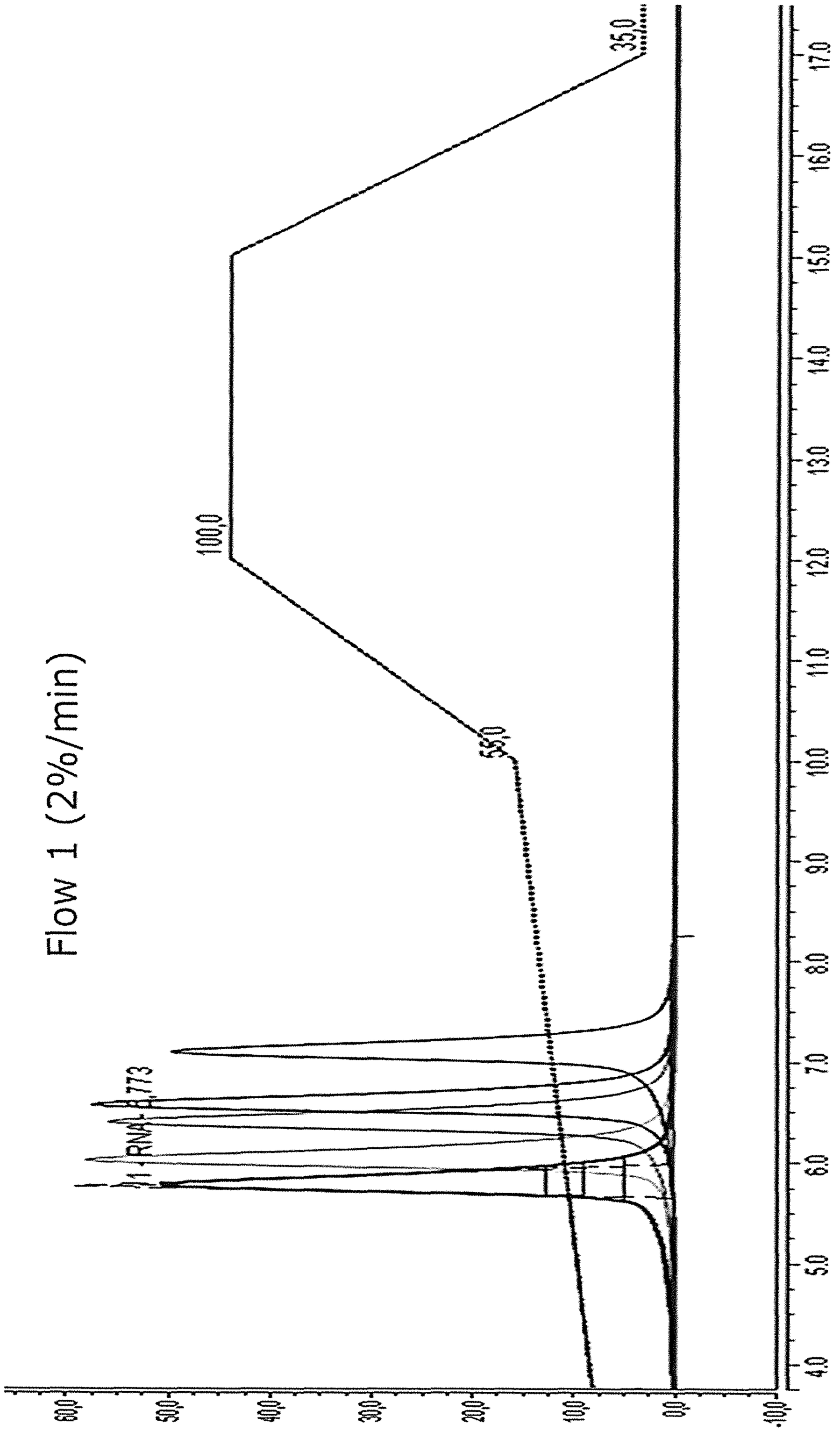
Flow 1 (2%/min)
RNA1_A,773
35,0
100,0
53,0
60,0
50,0
40,0
30,0
20,0
10,0
0,0
-10,0
17,0
16,0
15,0
14,0
13,0
12,0
11,0
10,0
9,0
8,0
7,0
6,0
5,0
4,0

Fig. 12

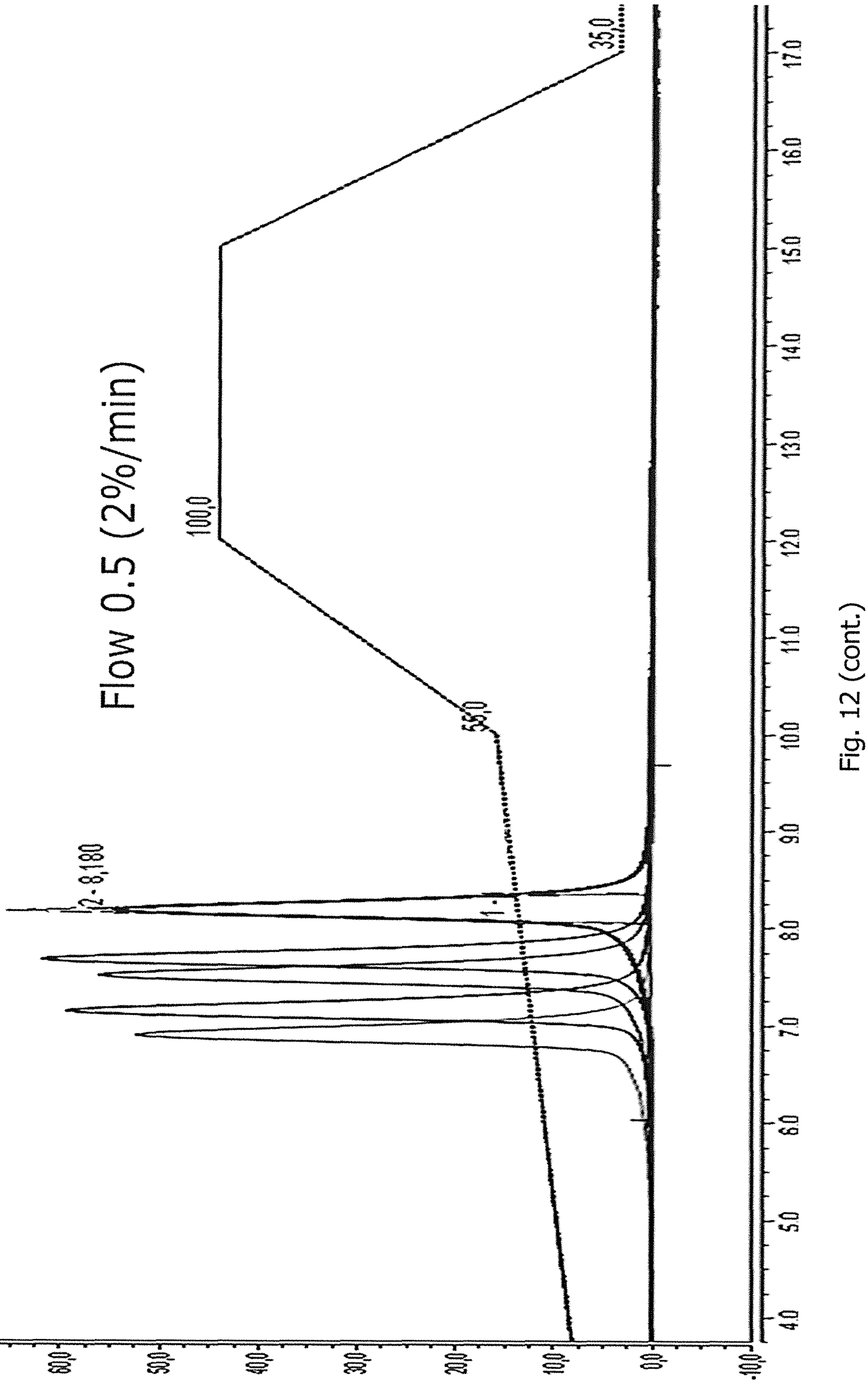
Flow 0.5 (2%/min)
35,0
100,0
55,0
12 - 8,180
1 -
17.0
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
60,0
50,0
40,0
30,0
20,0
10,0
0,0
-10,0

Fig. 12 (cont.)

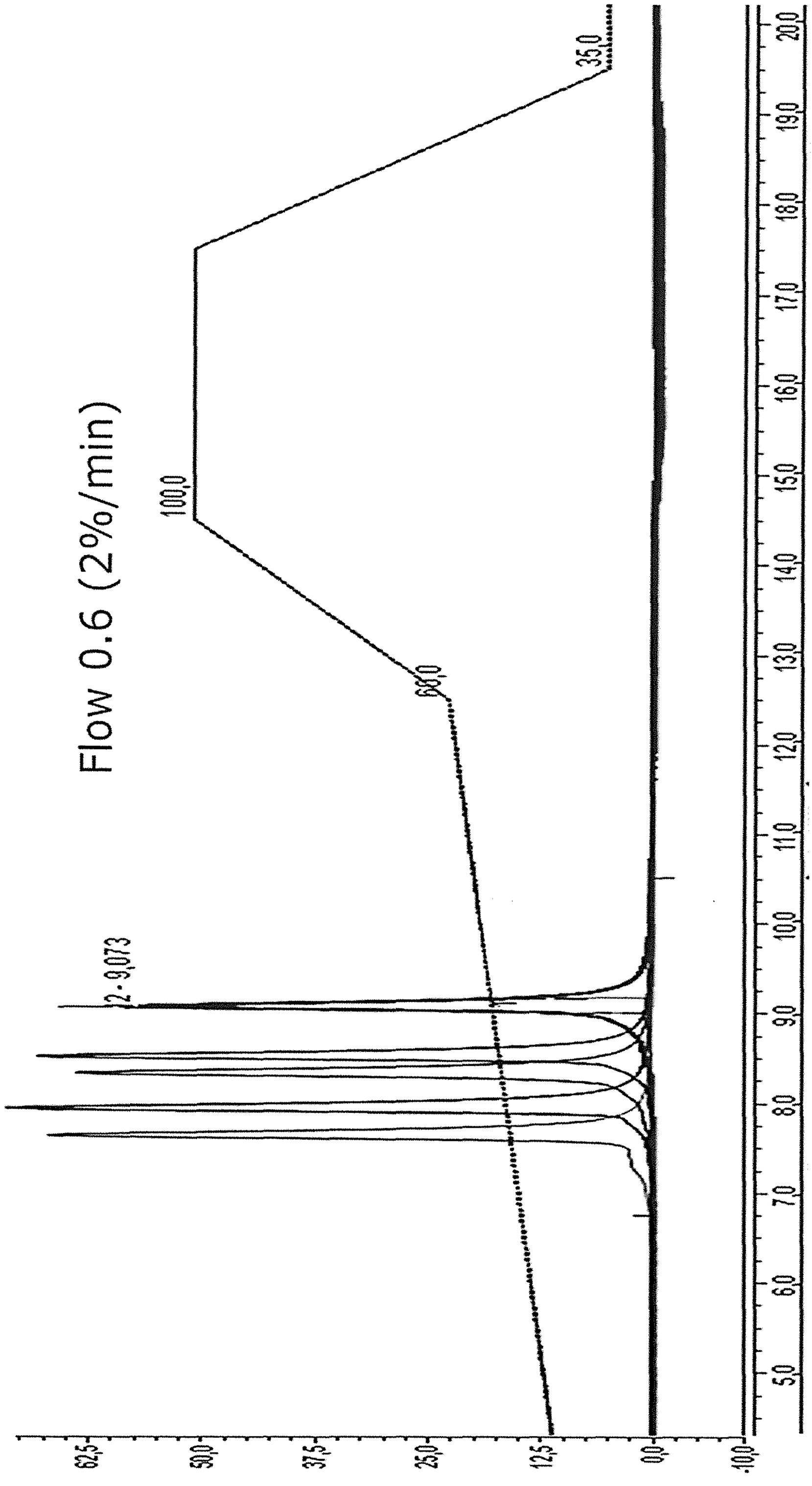
Flow 0.6 (2%/min)
35,0
100,0
68,0
2 - 9,073
62,5
50,0
37,5
25,0
12,5
0,0
-10,0
20,0
19,0
18,0
17,0
16,0
15,0
14,0
13,0
12,0
11,0
10,0
9,0
8,0
7,0
6,0
5,0

Fig. 13

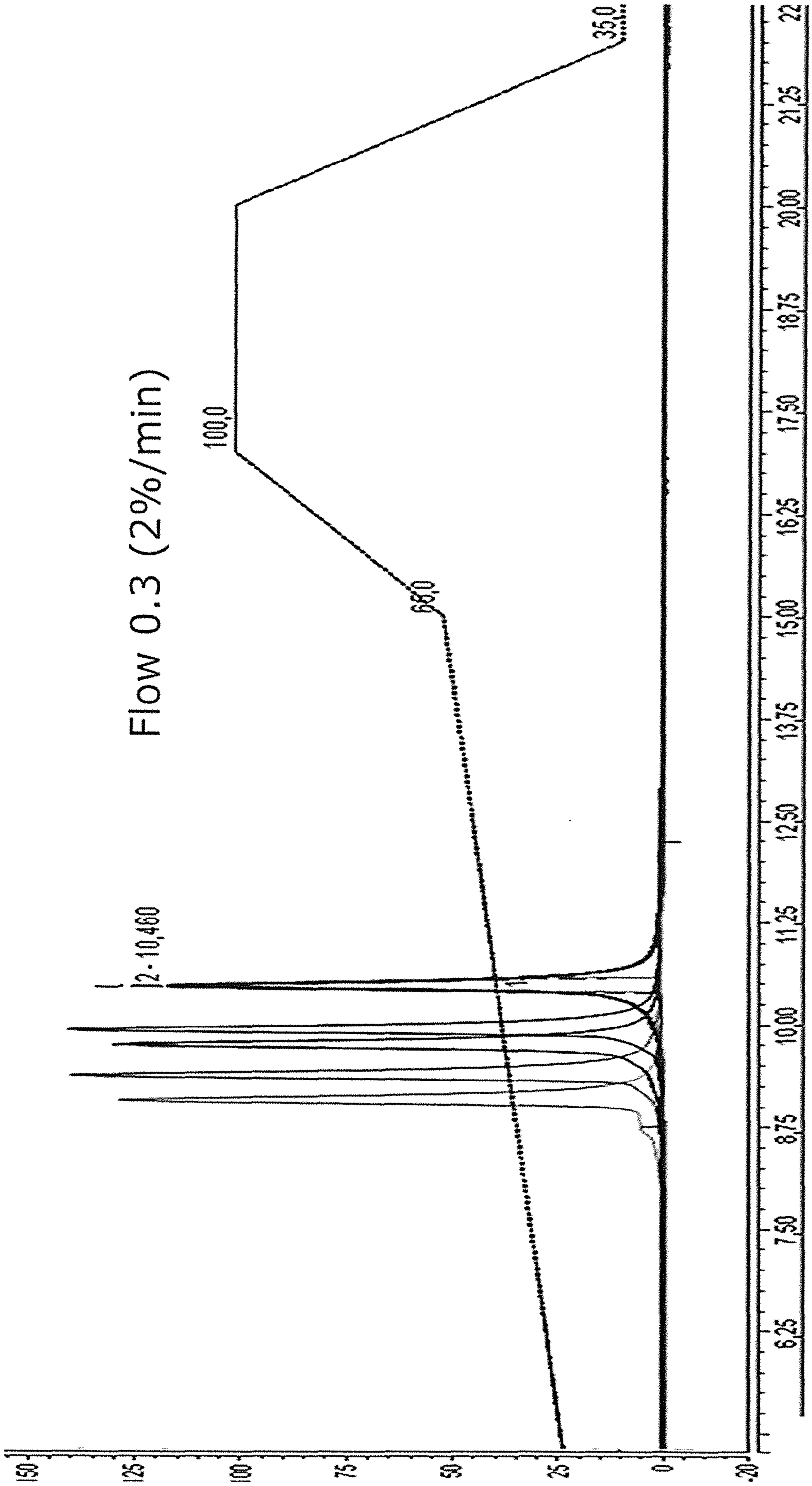
Flow 0.3 (2%/min)
35,0
100,0
68,0
2 - 10,460
150
125
100
75
50
25
0
-20
22
21,25
20,00
18,75
17,50
16,25
15,00
13,75
12,50
11,25
10,00
8,75
7,50
6,25

Fig. 13 (cont.)

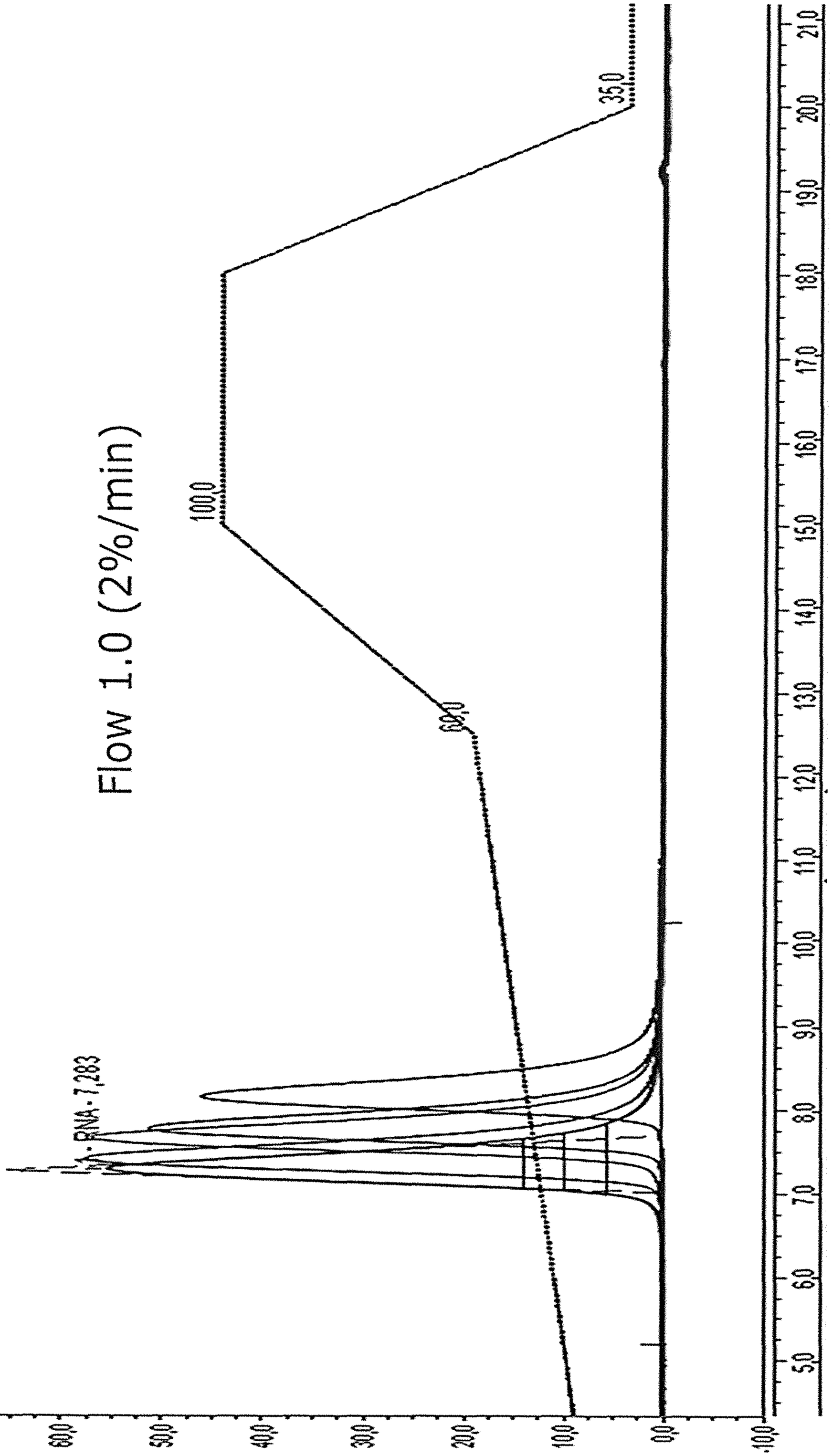
Flow 1.0 (2%/min)
1 - RNA - 7,283
35,0
100,0
68,0
21,0
20,0
19,0
18,0
17,0
16,0
15,0
14,0
13,0
12,0
11,0
10,0
9,0
8,0
7,0
6,0
5,0
600
500
400
300
200
100
0
-100

Fig. 14

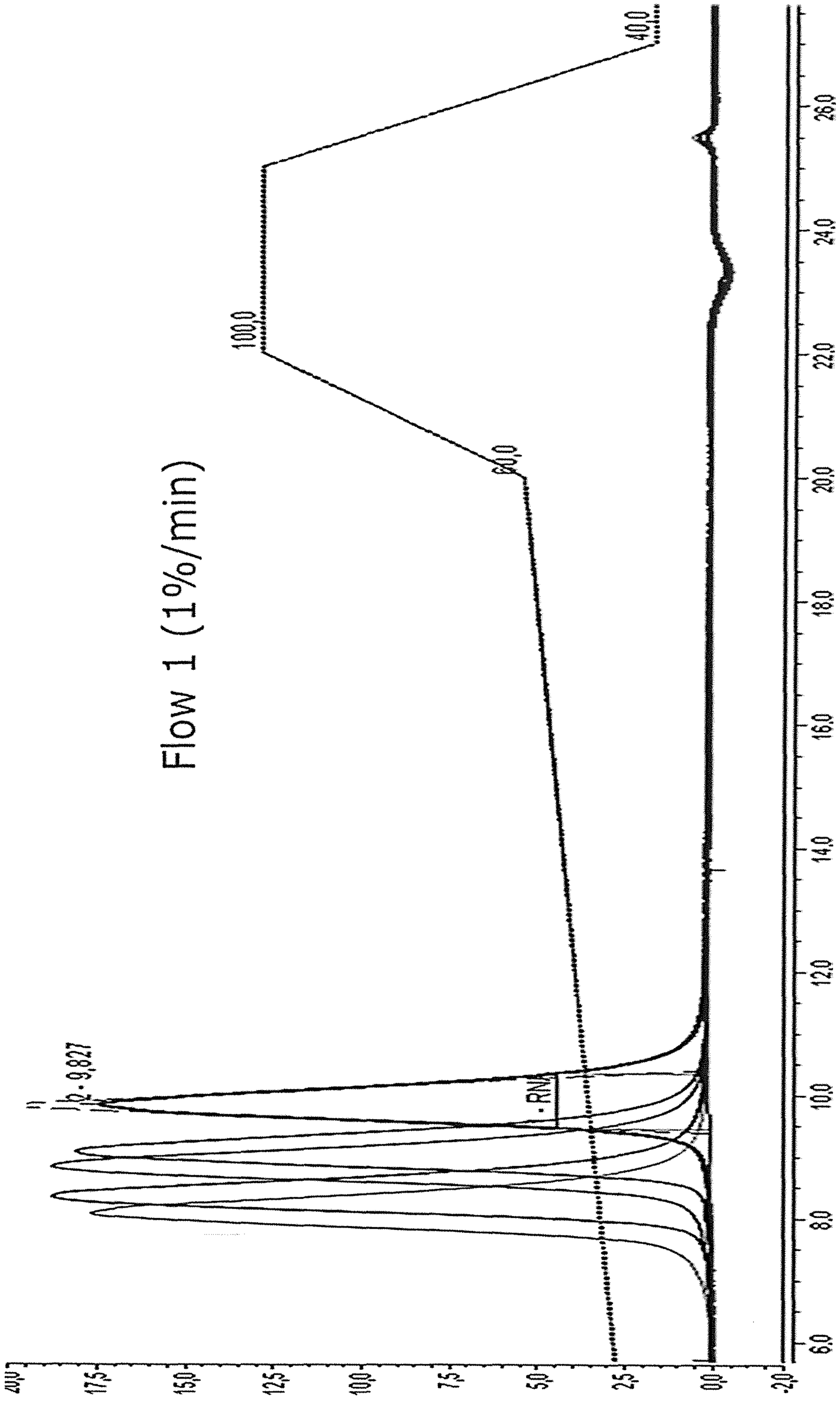
Flow 1 (1%/min)
100,0
60,0
40,0
11
Ub - 9,827
RNA
40,0
17,5
15,0
12,5
10,0
7,5
5,0
2,5
0,0
-2,0
6,0
8,0
10,0
12,0
14,0
16,0
18,0
20,0
22,0
24,0
26,0

Fig. 14 (cont.)

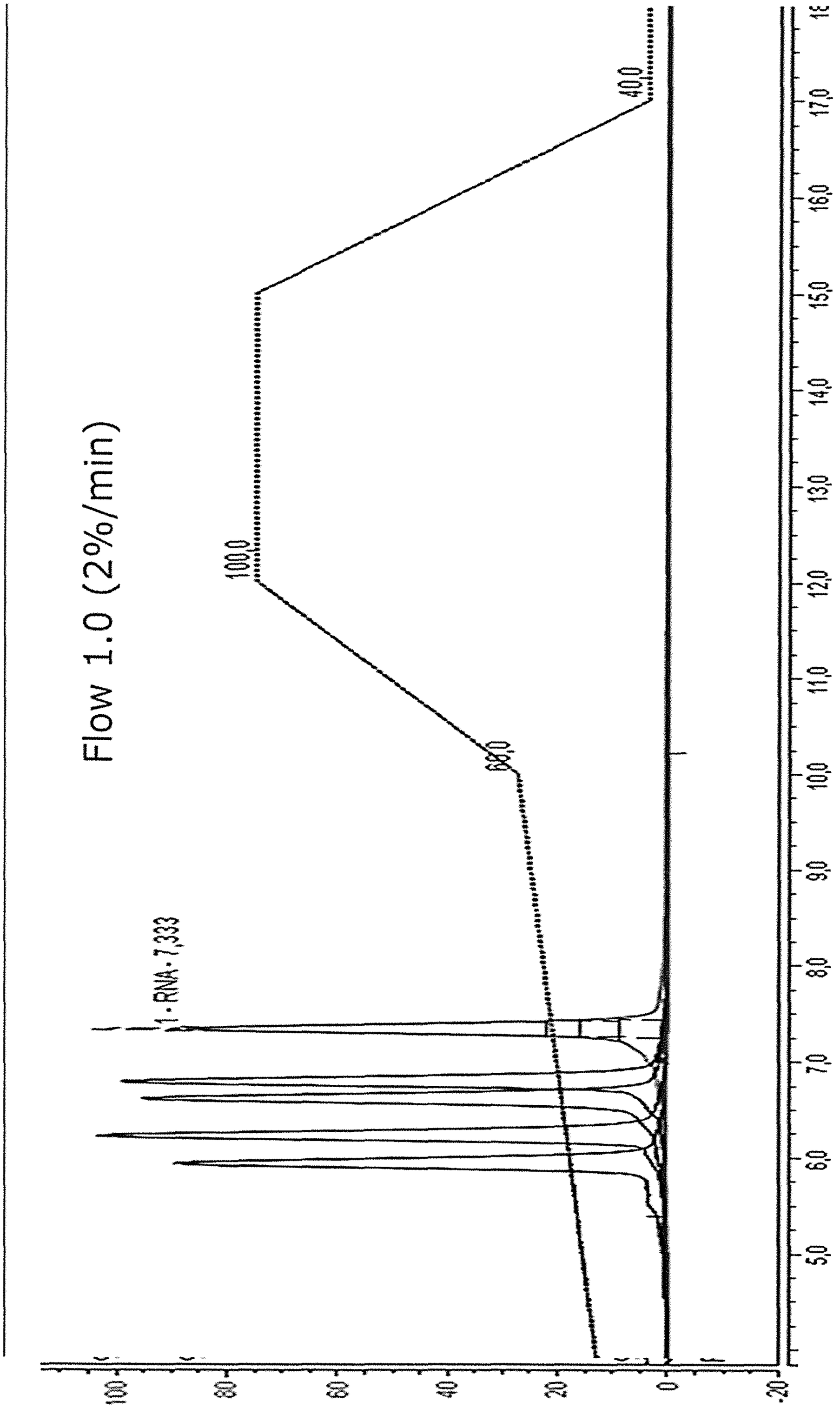
Flow 1.0 (2%/min)
40,0
100,0
80,0
1 - RNA - 7,333
18
17,0
16,0
15,0
14,0
13,0
12,0
11,0
10,0
9,0
8,0
7,0
6,0
5,0
100
80
60
40
20
0
-20

Fig. 15

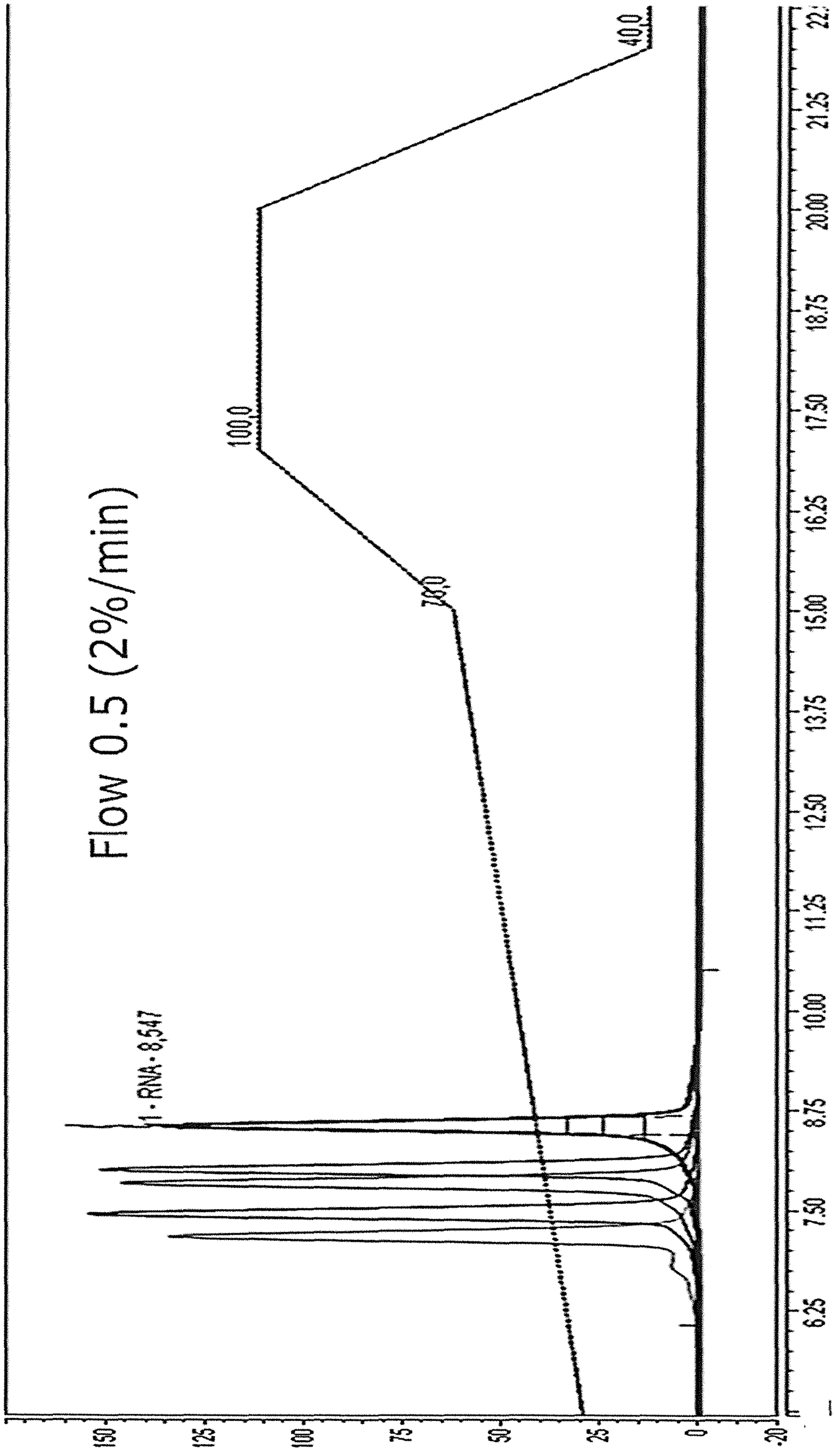
Flow 0.5 (2%/min)
1 - RNA - 8,547
40,0
100,0
78,0
150
125
100
75
50
25
0
-20
13.75
15.00
16.25
17.50
18.75
10.00
11.25
12.50
8.75
7.50
6.25

Fig. 15 (cont.)

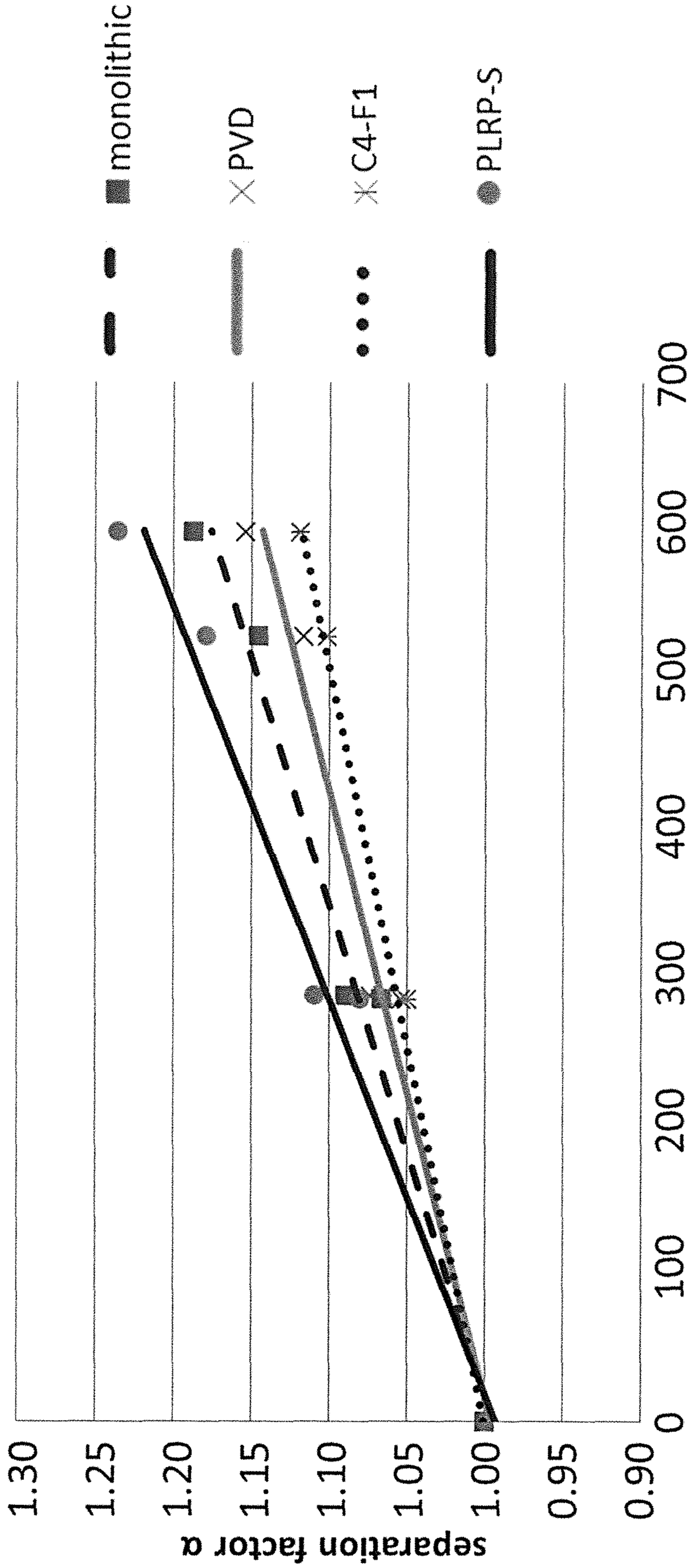
monolithic
PVD
C4-F1
PLRP-S
0
100
200
300
400
500
600
700
difference in AU count
1.30
1.25
1.20
1.15
1.10
1.05
1.00
0.95
0.90
separation factor α

Fig. 16