
10 20 30 40 50 60 70
MGEPQGSMRILVTGGSGLVGKAIQKVVADGAGLPGEDWVFVSSKDADLTDAAQTRALFEKVRPTHVIHLA
MGEPQGSMRILVTGGSGLVGKAIQKVVADGAGLPGEDWVFVSSKDADLTDTAQTRALFEKVQPTHVIHLA
MGEPHGSMRILVTGGSGLVGRAIQKVVADGAGLPGEEWVFVSSKDADLTDAAQTQALFQKVQPTHVIHLA
MGEPHGSMRILVTGGSGLVGRAIQKVVADGAGLPGEEWVFVSSKDADLTDAAQTQALFQKVQPTHVIHLA
MGEPQGSRRILVTGGSGLVGRAIQKVVADGAGLPGEEWVFVSSKDADLTDAAQTQALFQKVQPTHVIHLA
MGEPQGSRRILVTGGSGLVGRAIQKVVADGAGLPGEEWVFVSSKDADLTDAAQTQALFQKVQPTHVIHLA
80 90 100 110 120 130 140
AMVGGLFRNIKYNLDFWRKNVHINDNVLHSAFEVGACKVVSCLSTCIFPDKTTYPIDETMIHNGPPHSSN
AMVGGLFRNIKYNLDFWRKNVHMNDNVLHSAFEVGARKVVSCLSTCIFPDKTTYPIDETMIHNGPPHNSN
AMVGGLFRNIKYNLDFWRKNVHINDNVLHSAFEVGARKVVSCLSTCIFPDKTTYPIDETMIHNGPPHSSN
AMVGGLFRNIKYNLDFWRKNVHINDNVLHSAFEVGTRKVVSCLSTCIFPDKTTYPIDETMIHNGPPHSSN
AMVGGLFRNIKYNLDFWRKNVHINDNVLHSAFEVGTRKVVSCLSTCIFPDKTTYPIDETMIHNGPPHSSN
AMVGGLFRNIKYNLDFWRKKVHINDNVLHSAFEVGTRKVVSCLSTCIFPDKTTYPIDETMIHNGPPHSSN
150 160 170 180 190 200 210
FGYSYAKRMIDVQNRAYFQQYGCTFTAVIPTNVFGPHDNFNIEDGHVLPGLIHKVHLAKSSSSALTVWGT
FGYSYAKRMIDVQNRAYFQQYGCTFTAVIPTNVFGPHDNFNIEDGHVLPGLIHKVHLAKSSGSALTVWGT
FGYSYAKRMIDVQNRAYFQQHGCTFTAVIPTNVFGPYDNFNIEDGHVLPGLIHKVHLAKSSDSALTVWGT
FGYSYAKRMIDVQNRAYFQQHGCTFTSVIPTNVFGPYDNFNIEDGHVLPGLIHKVHLAKSSGSALTVWGT
FGYSYAKRMIDVQNRAYFQQHGCTFTAVIPTNVFGPHDNFNIEDGHVLPGLIHKVHLAKSNGSALTVWGT
FGYSYAKRMIDVQNRAYFQQHGCTFTAVIPTNVFGPHDNFNIEDGHVLPGLIHKVHLAKSNGSALTVWGT
220 230 240 250 260 270 280
GKPRRQFIYSLDLAQLFIWVLREYNEVEPIILSVGEEDEVSIKEAAEAVVEAMDFHGEVTFDTSKSDGQF
GNPRRQFIYSLDLAQLFIWVLREYNEVEPIILSVGEEDEVSIKEAAEAVVEAMDFHGEVTFDTTKSDGQF
GKPRRQFIYSLDLARLFIWVLREYSEVEPIILSVGEEDEVSIKEAAEAVVEAMDFNGEVTFDSTKSDGQY
GKPRRQFIYSLDLARLFIWVLREYNEVEPIILSVGEEDEVSIKEAAEAVVEAMDFSGEVTFDSTKSDGQY
GKPRRQFIYSLDLARLFIWVLREYNEVEPIILSVGEEDEVSIKEAAEAVVEAMDFCGEVTFDSTKSDGQY
GKPRRQFIYSLDLARLFIWVLREYNEVEPIILSVGEEDEVSIKEAAEAVVEAMDFCGEVTFDSTKSDGQY
290 300 310 320
KKTASNSKLRTYLPDFRFTPFKQAVKETCAWFTDNYEQARK
KKTASNSKLRTYLPDFRFTPFKQAVKETCAWFTDNYEQARK
KKTASNGKLRSYLPDFRFTPFKQAVKETCTWFTDNYEQARK
KKTASNGKLRSYLPDFCFTPFKQAVKETCAWFTENYEQARK
KKTASNGKLRAYLPDFRFTPFKQAVKETCAWFTDNYEQARK
KKTASNGKSRAYLPDFRFTPFKQAVKETCAWFTDNYEQARK

FIG. 1

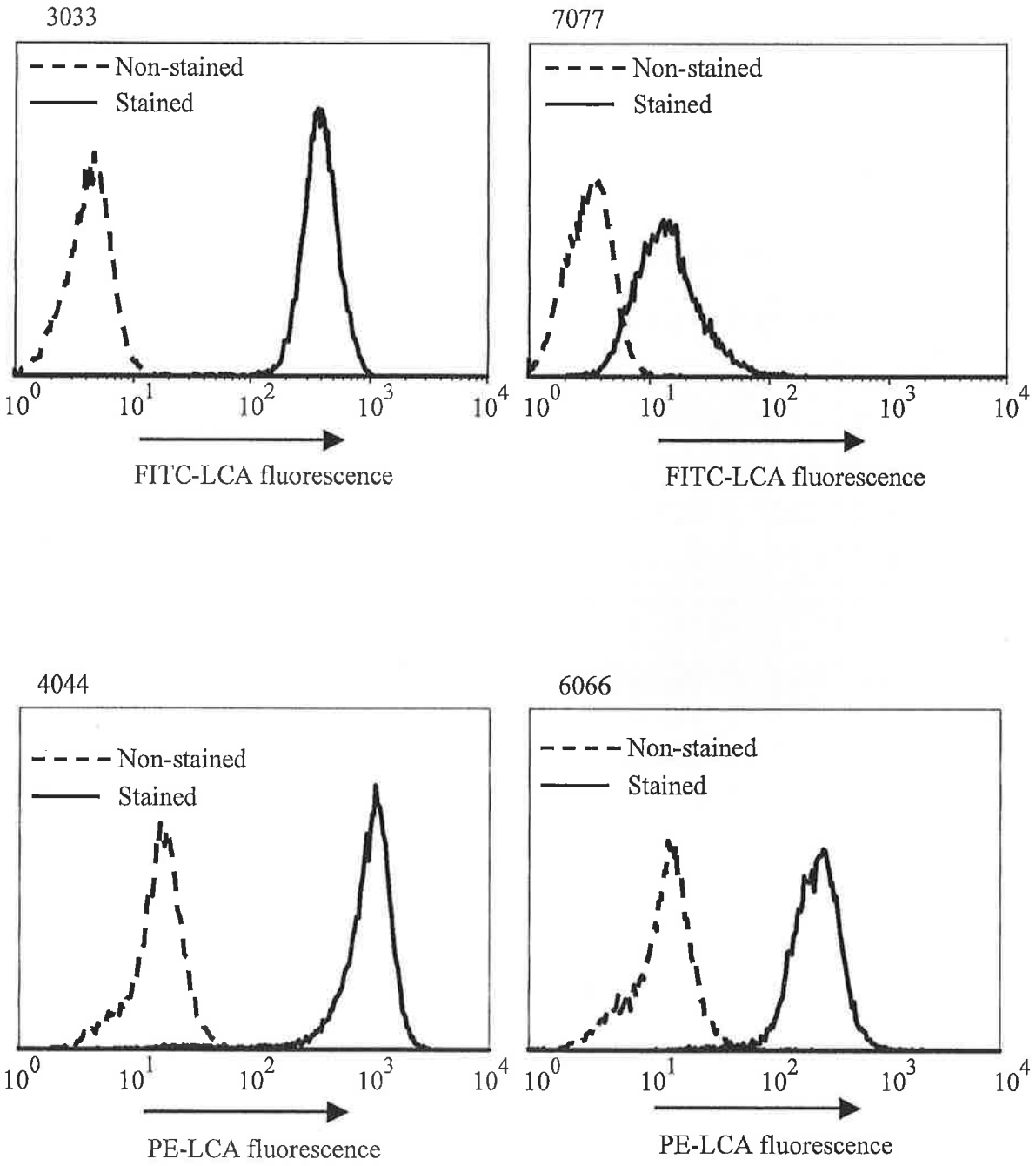

3033
Non-stained
Stained
10^0 10^1 10^2 10^3 10^4
FITC-LCA fluorescence
7077
Non-stained
Stained
10^0 10^1 10^2 10^3 10^4
FITC-LCA fluorescence
4044
Non-stained
Stained
10^0 10^1 10^2 10^3 10^4
PE-LCA fluorescence
6066
Non-stained
Stained
10^0 10^1 10^2 10^3 10^4
PE-LCA fluorescence

FIG. 2

Experiment I:

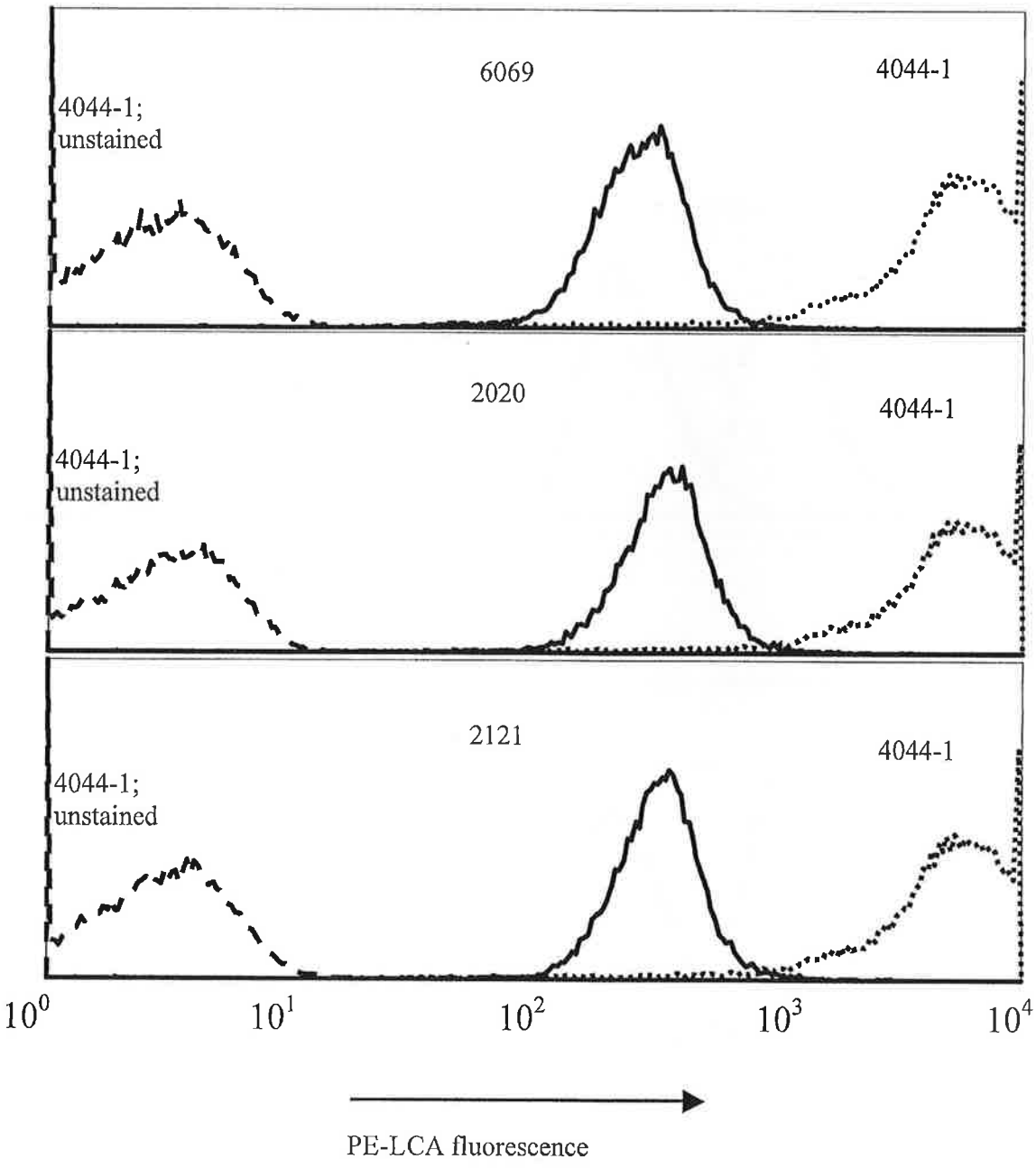


FIG. 3

10^1
Experiment II:

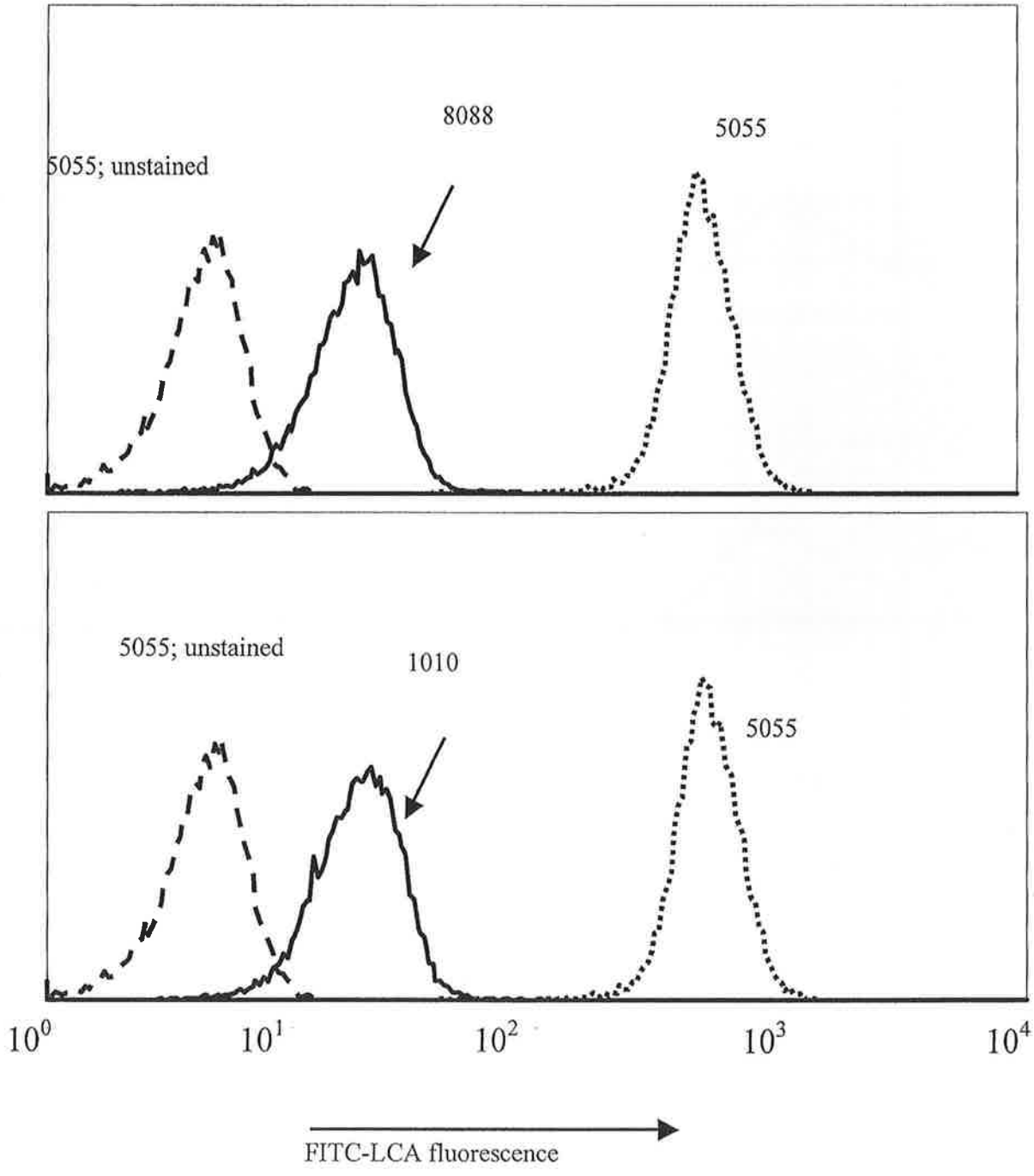


FIG. 4

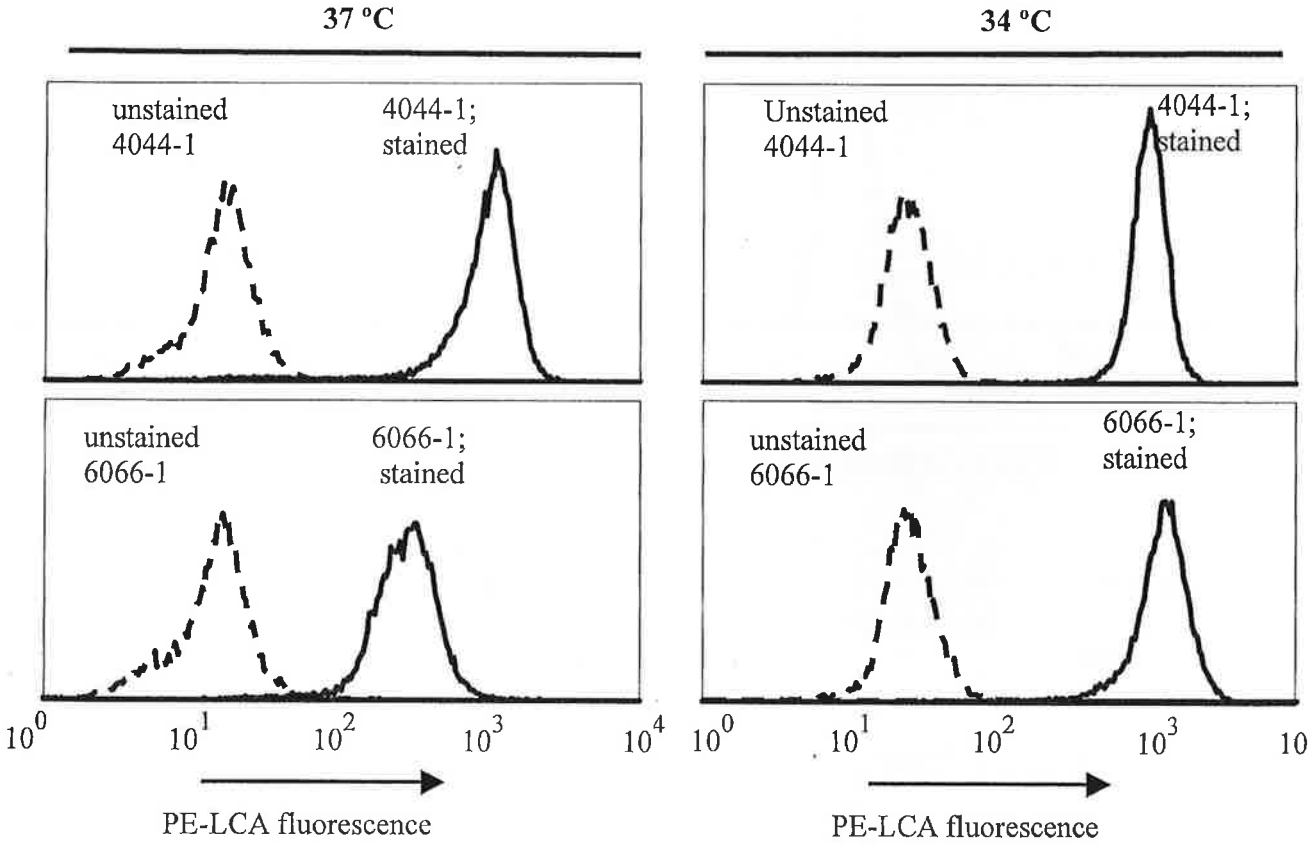
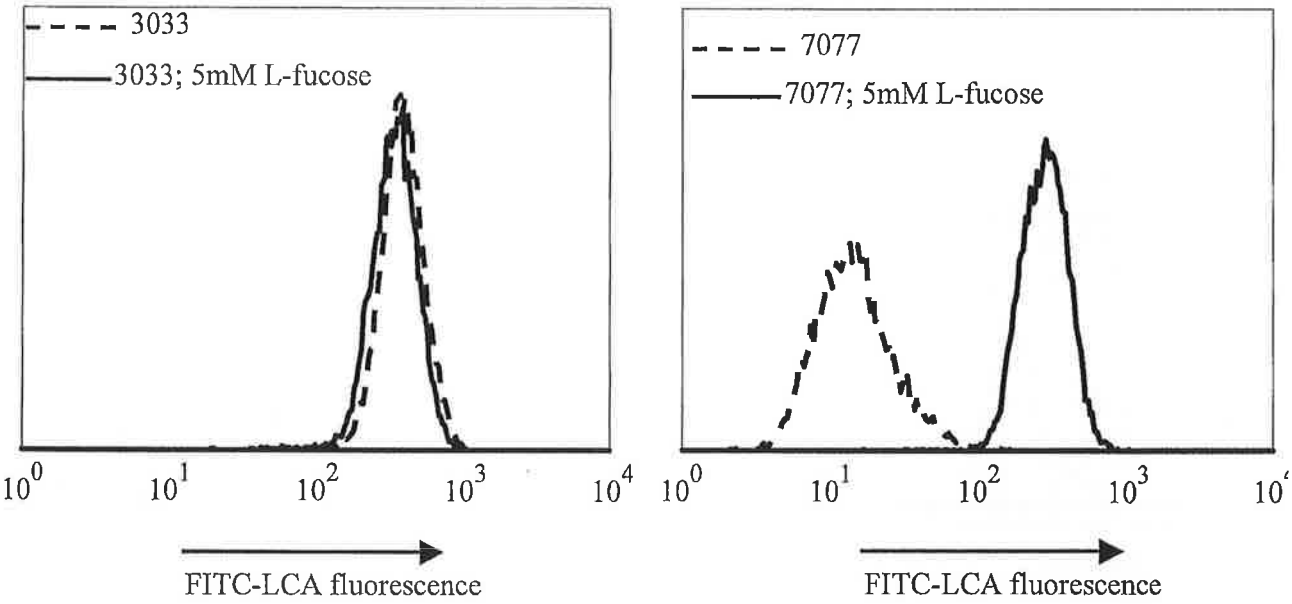

37 °C
34 °C
unstained
4044-1
4044-1;
stained
Unstained
4044-1
4044-1;
stained
unstained
6066-1
6066-1;
stained
unstained
6066-1
6066-1;
stained
10^0
10^1
10^2
10^3
10^4
10^0
10^1
10^2
10^3
10
PE-LCA fluorescence
PE-LCA fluorescence

FIG. 5

Experiment I



Experiment II

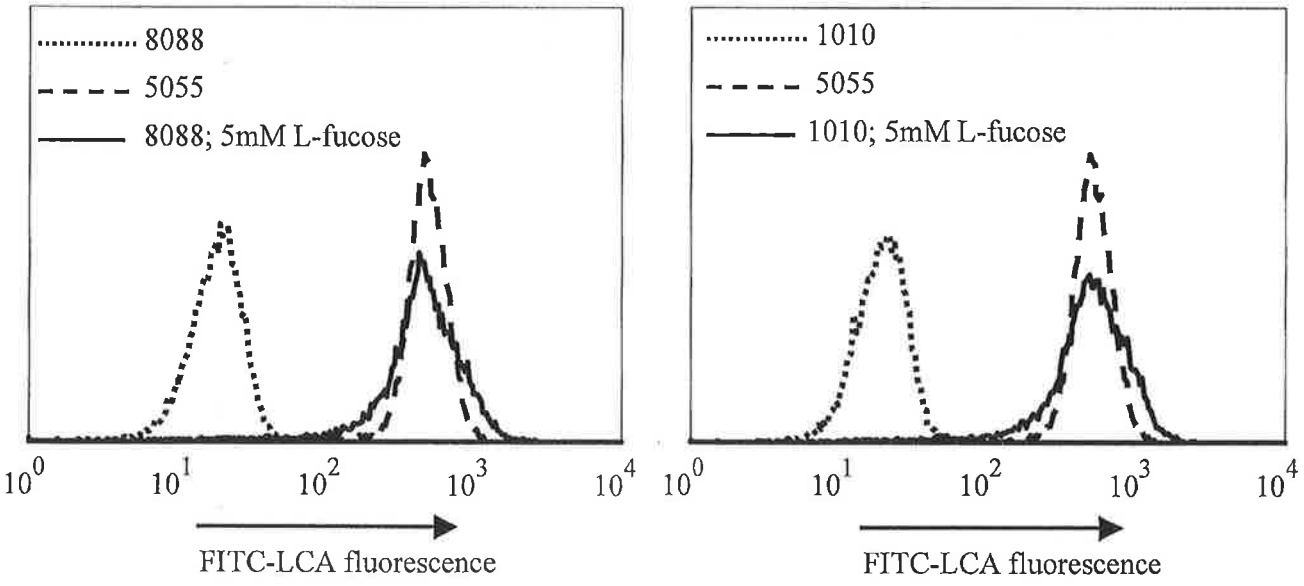


FIG. 6

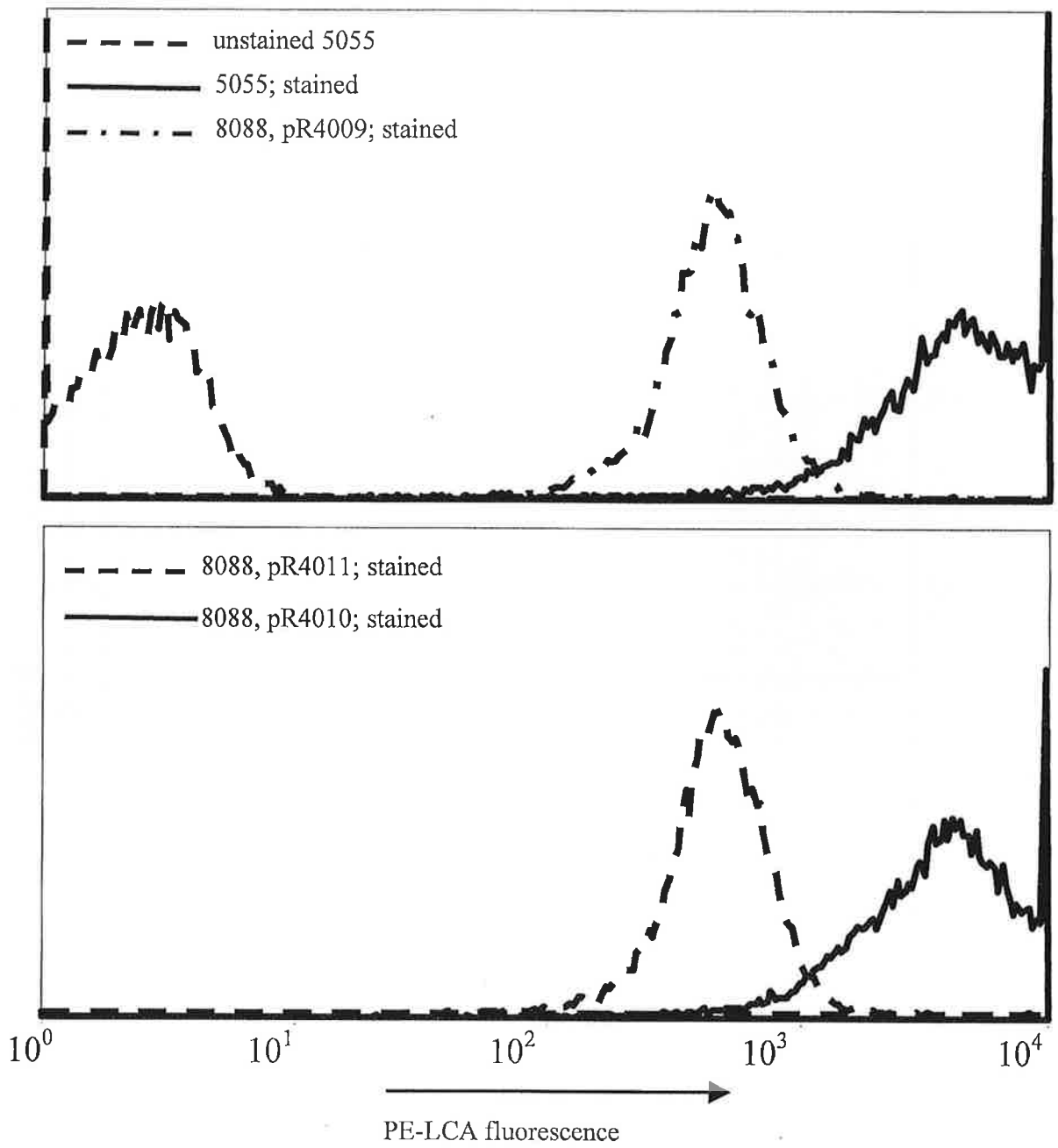

unstained 5055
5055; stained
8088, pR4009; stained
8088, pR4011; stained
8088, pR4010; stained
10^0
10^1
10^2
10^3
10^4
PE-LCA fluorescence

FIG. 7

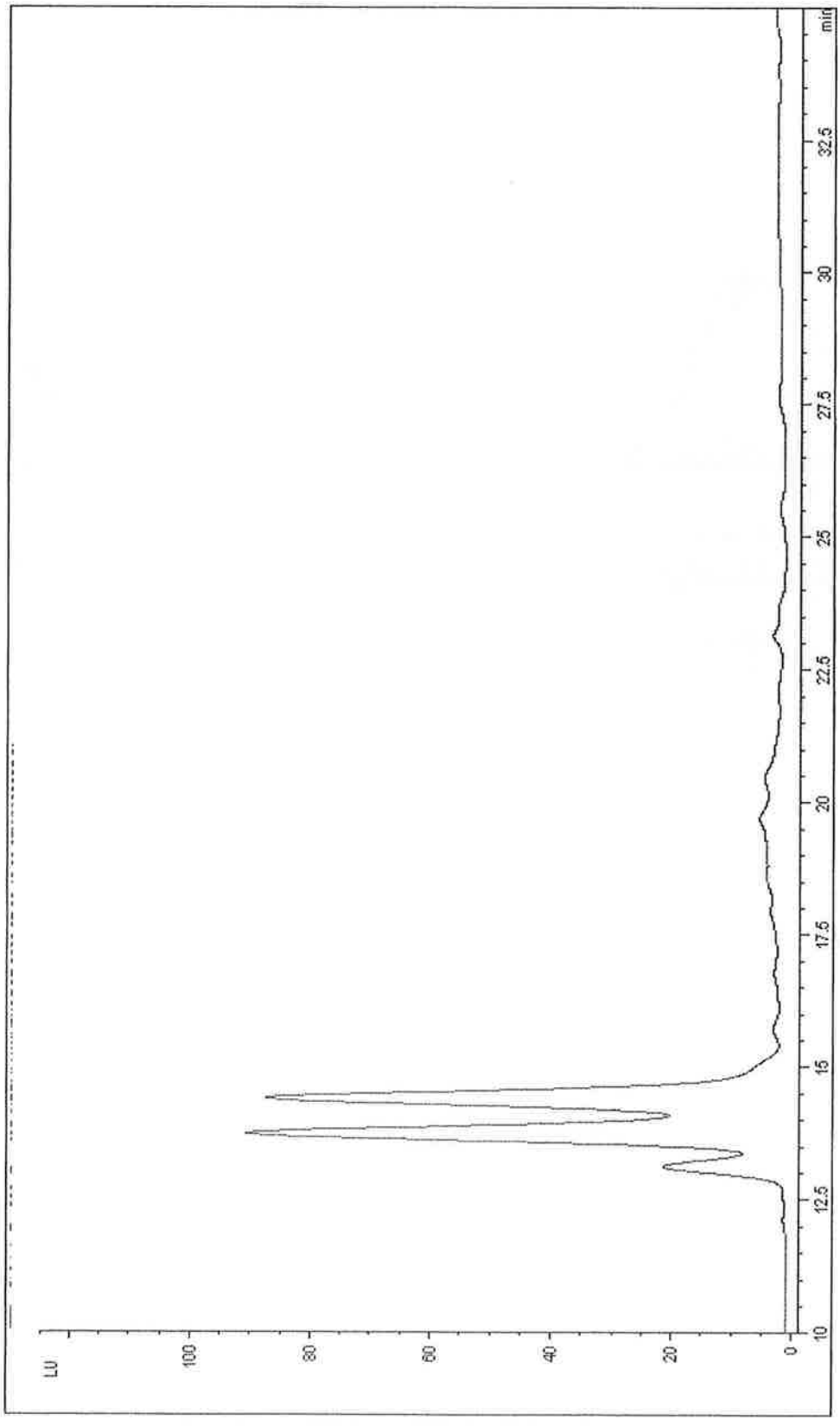


FIG. 8

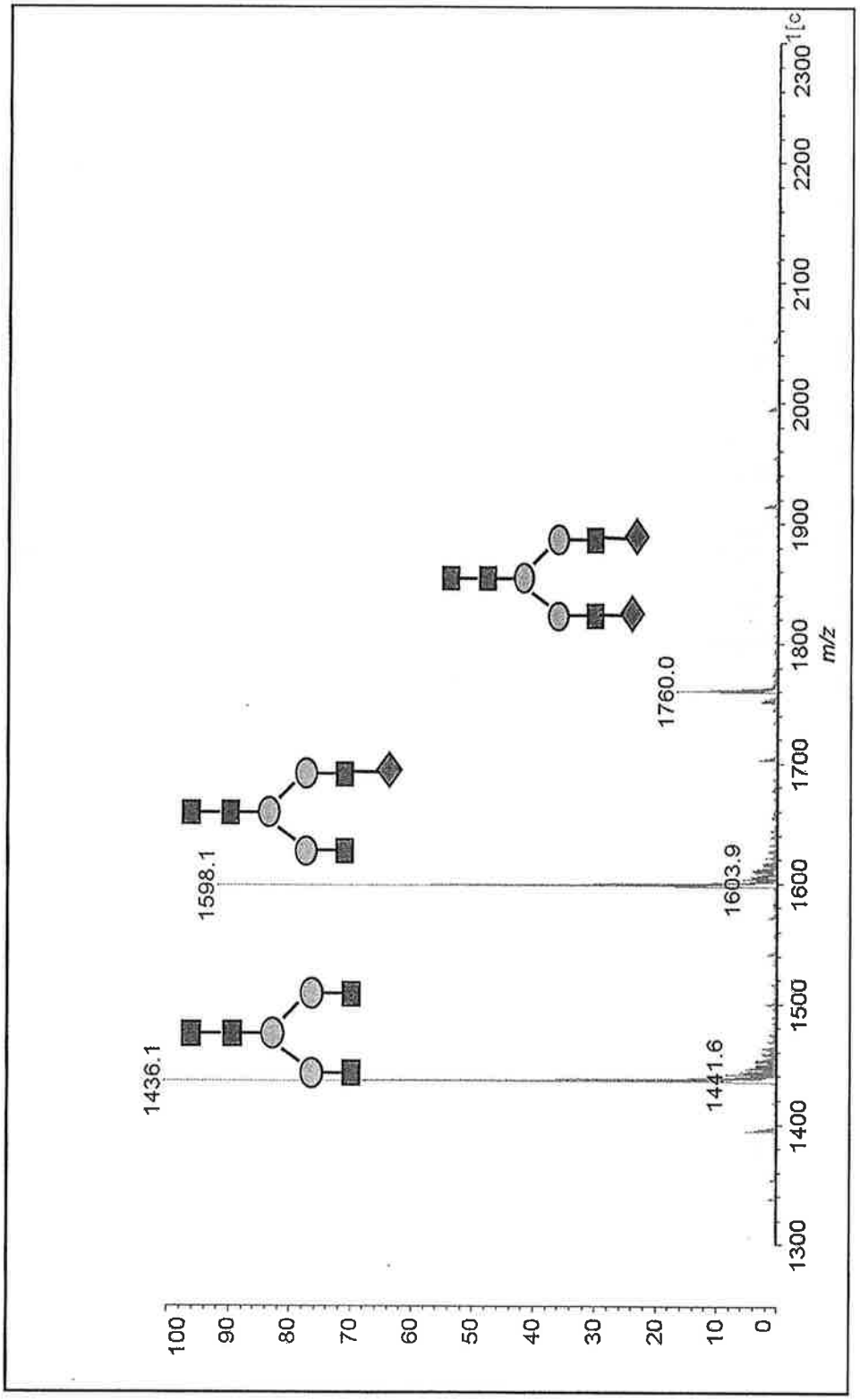

100
90
80
70
60
50
40
30
20
10
0
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
m/z
1436.1
1441.6
1598.1
1603.9
1760.0

FIG. 9

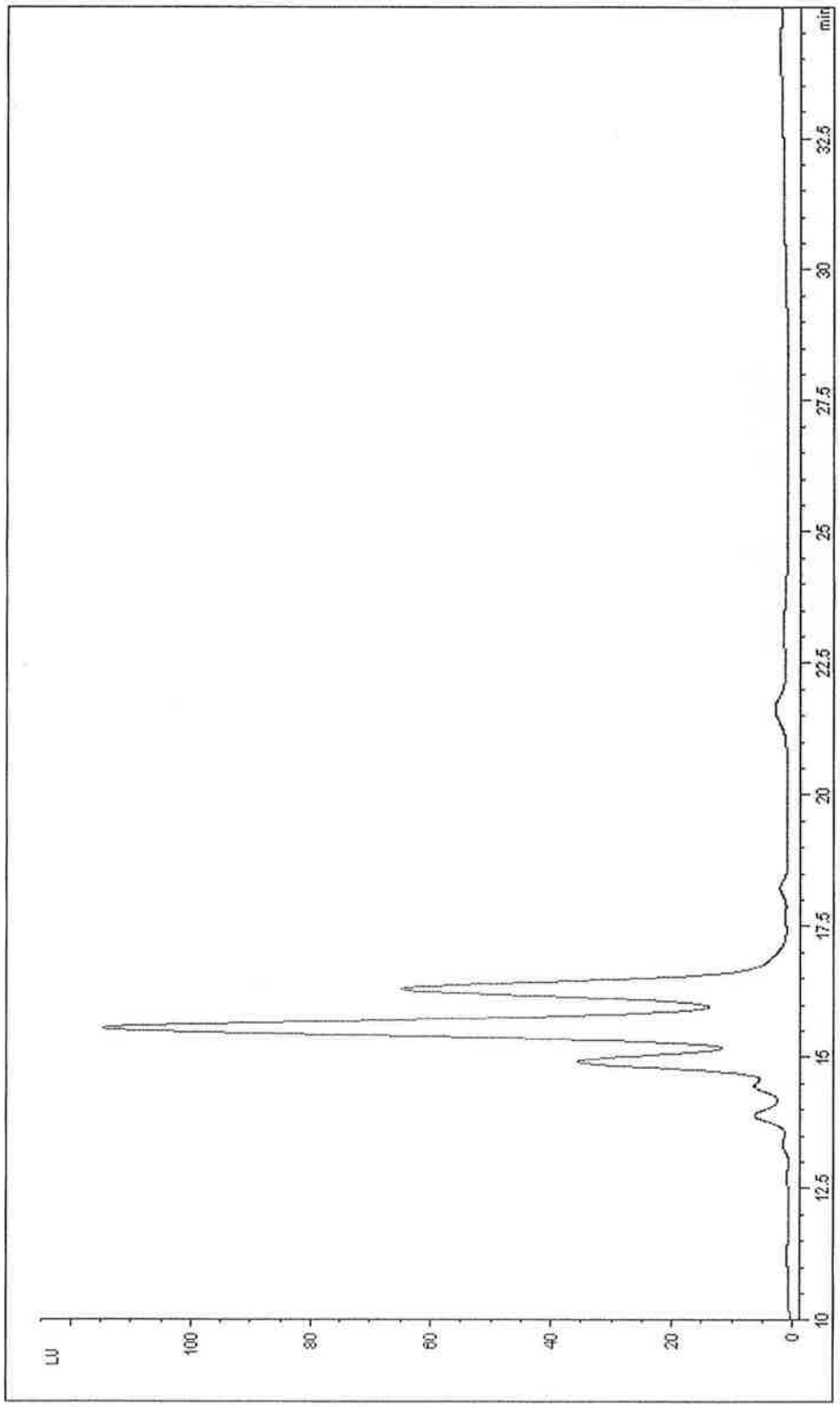


FIG. 10

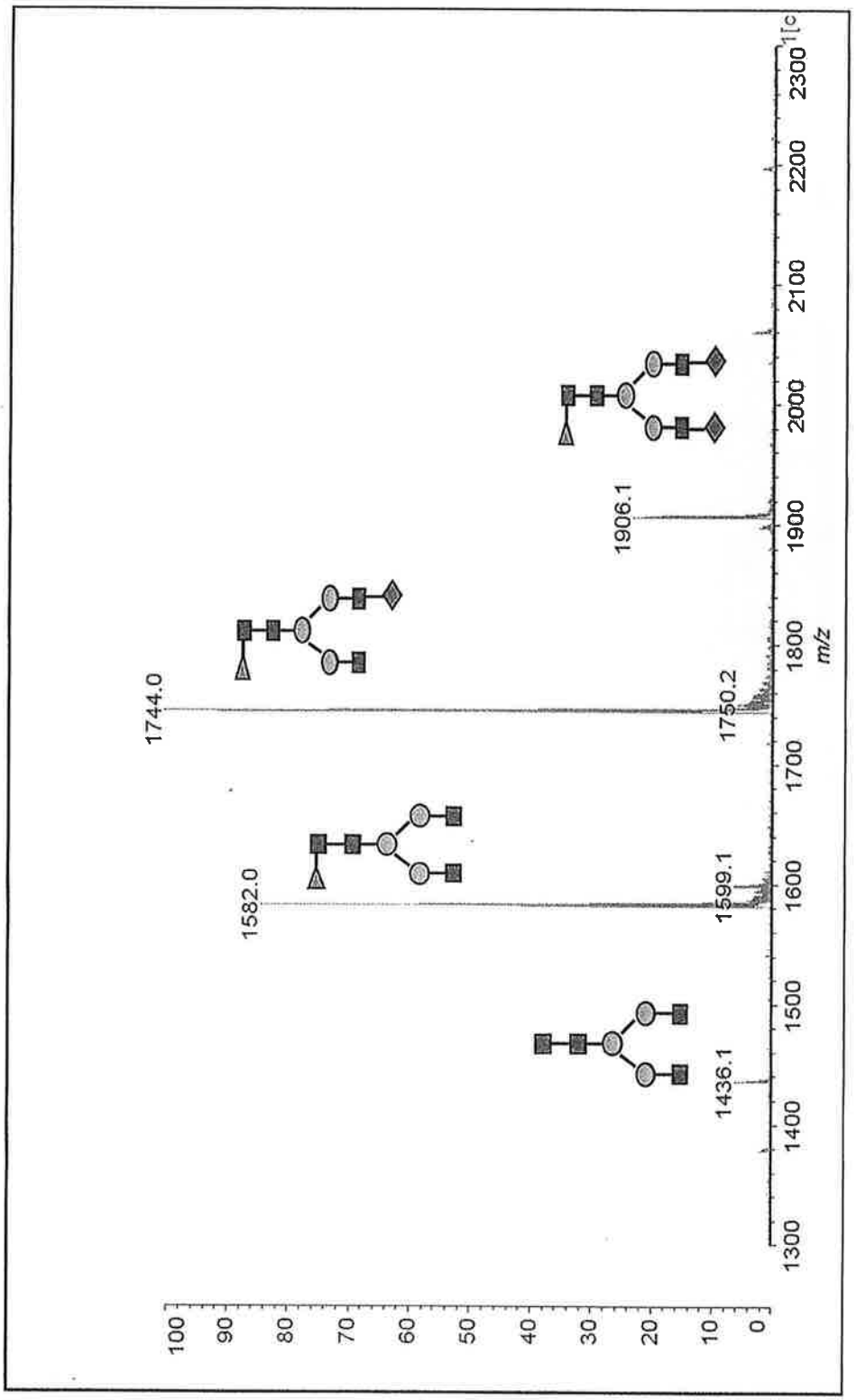

1744.0
1582.0
1436.1
1599.1
1750.2
1906.1
m/z
100
90
80
70
60
50
40
30
20
10
0
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300

FIG. 11

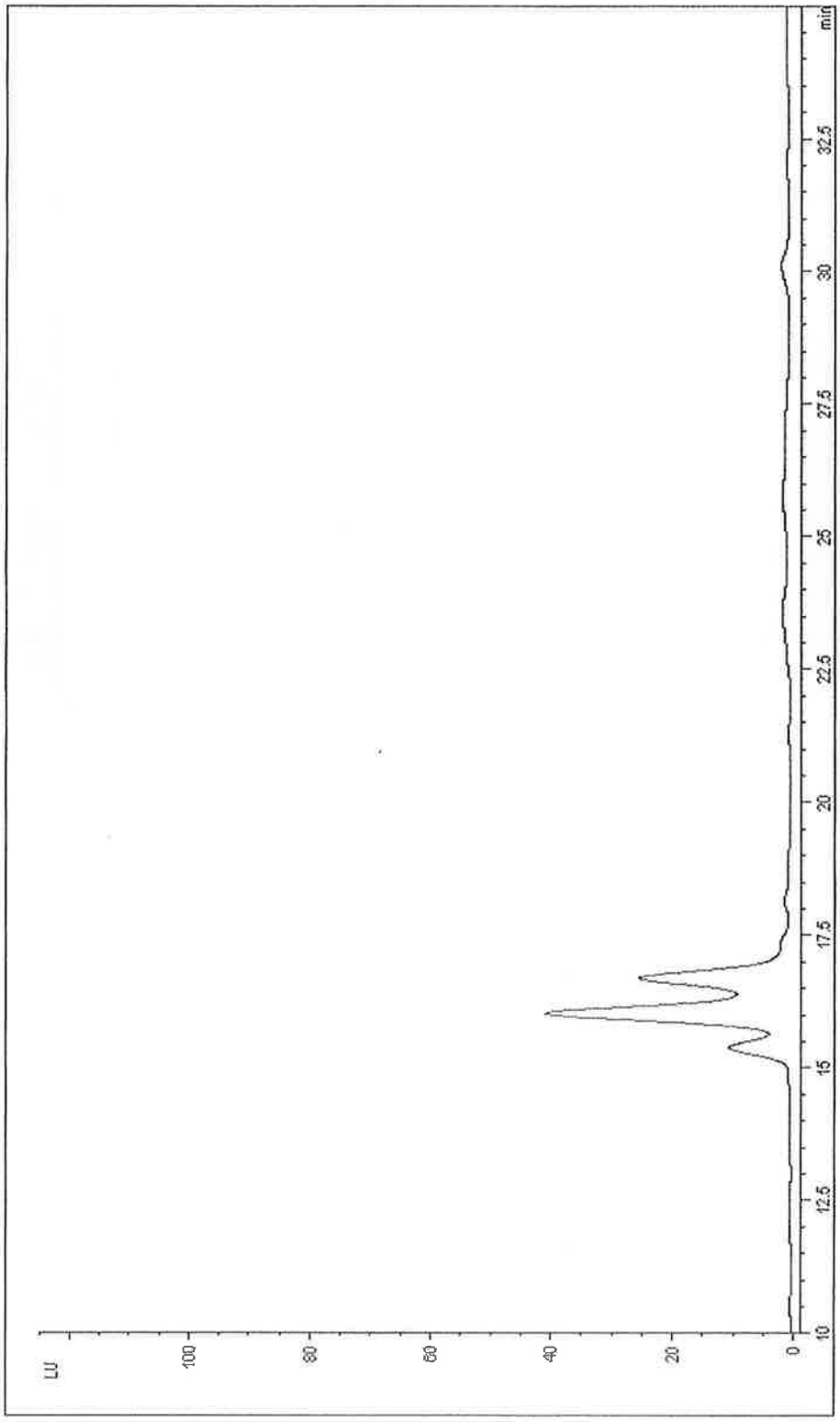


FIG. 12

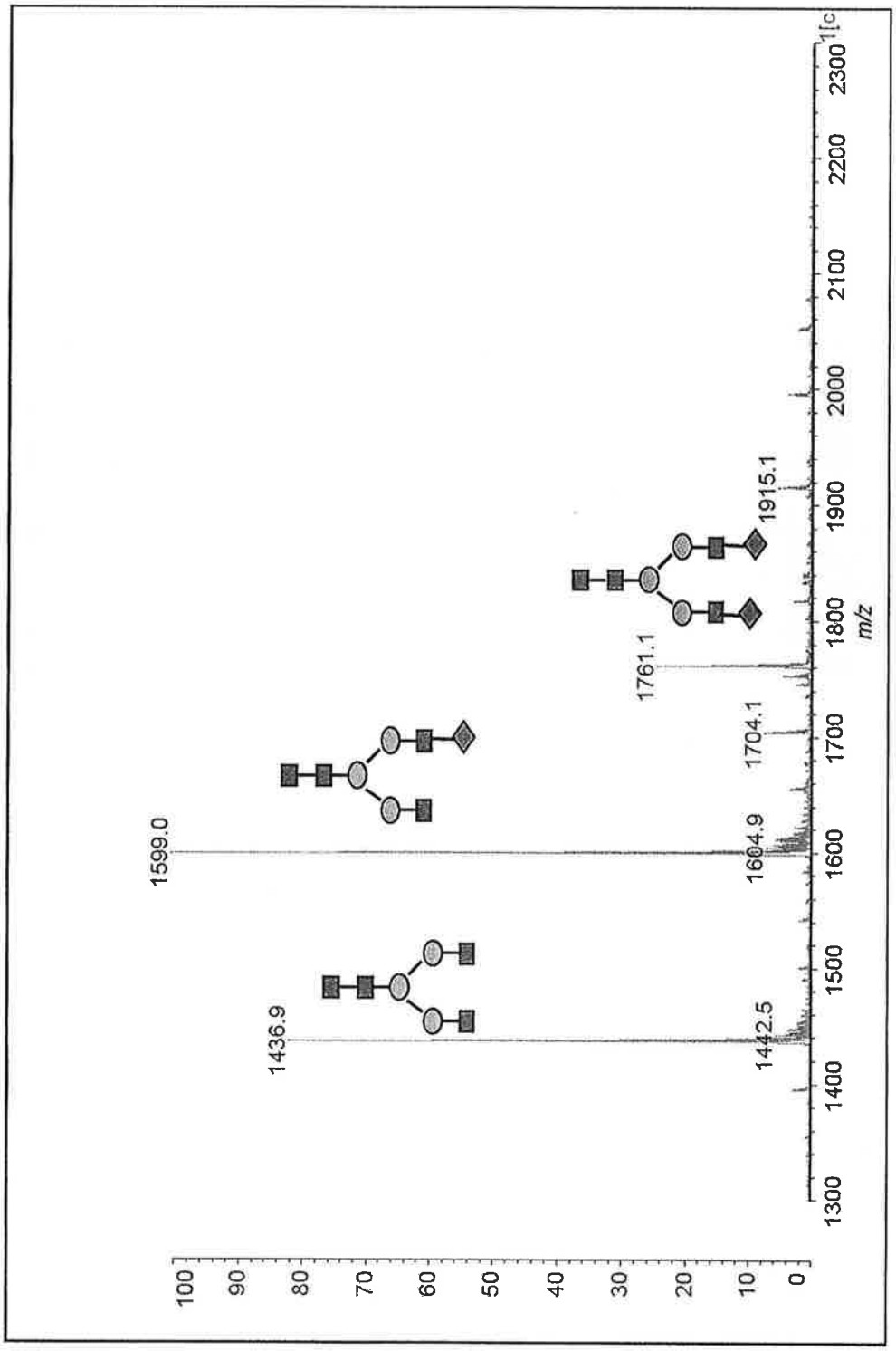

100
90
80
70
60
50
40
30
20
10
0
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
m/z
1599.0
1436.9
1442.5
1604.9
1704.1
1761.1
1915.1

FIG. 13

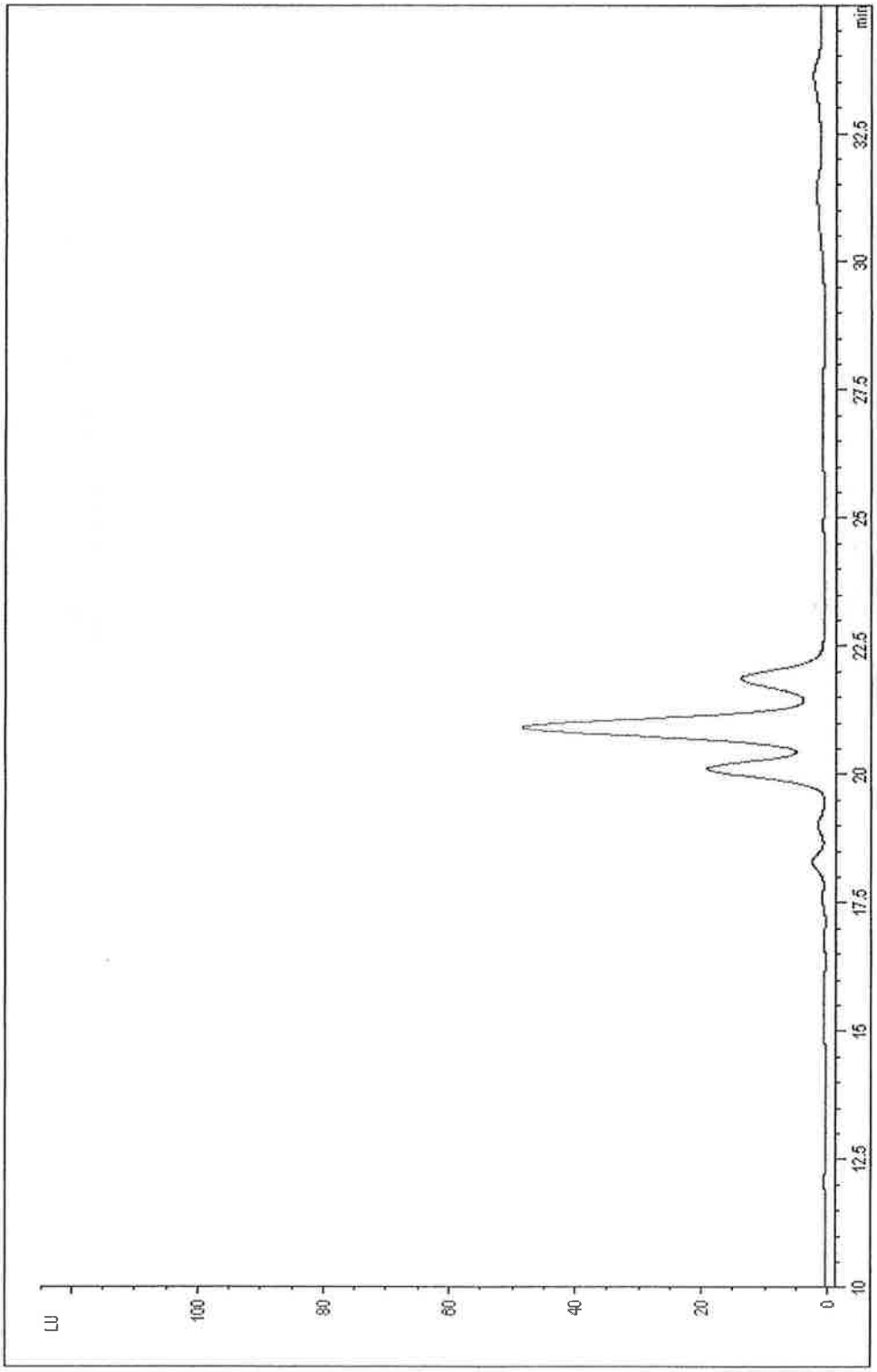


FIG. 14

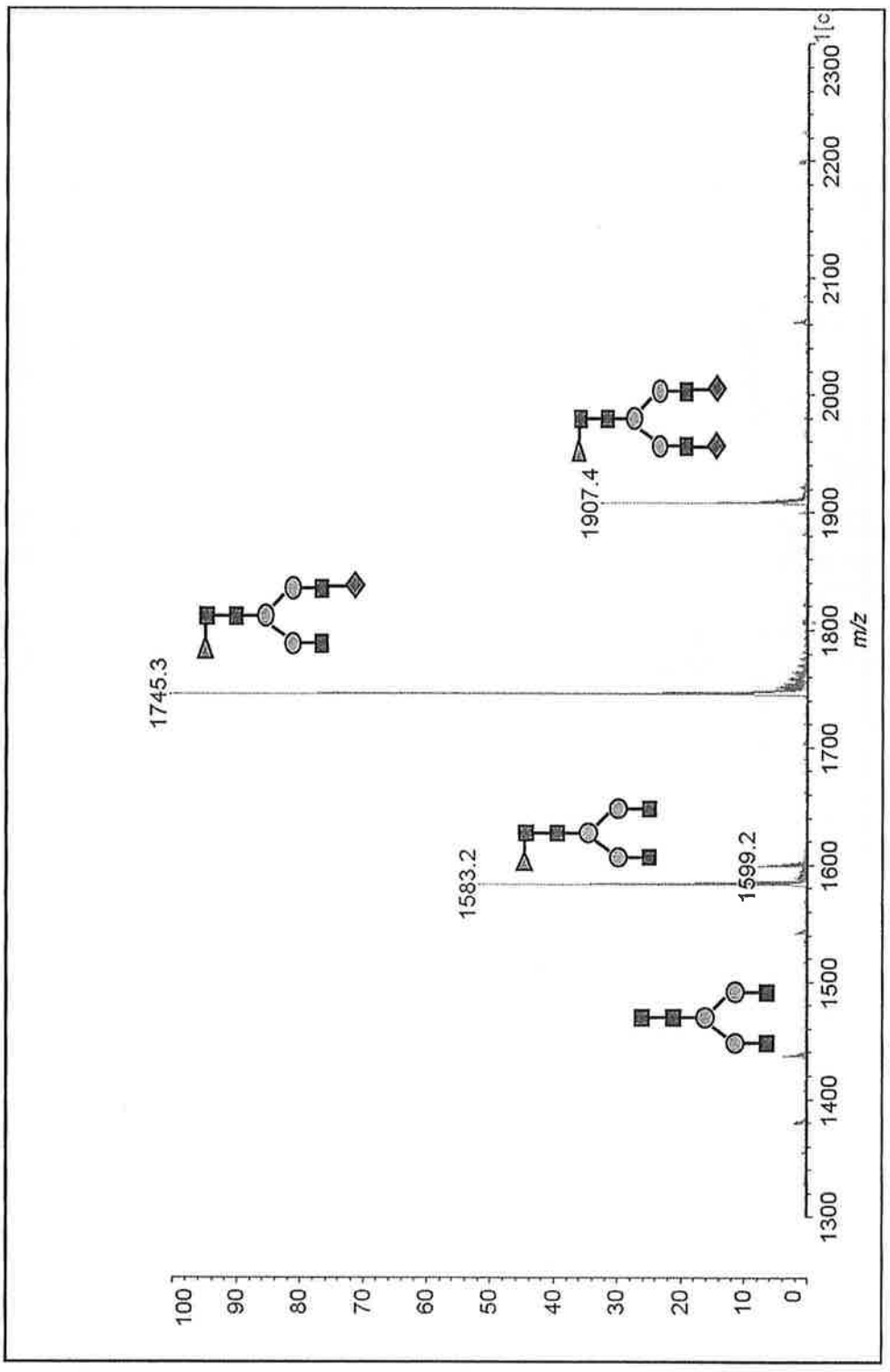

1745.3
1907.4
1583.2
1599.2
m/z
100
90
80
70
60
50
40
30
20
10
0
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300

FIG. 15

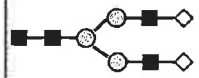
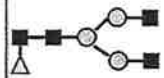
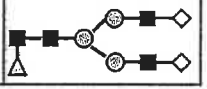
	Glycan Form	% Antibody				Glycan Formula	Glycan Structure
		Ab 3.1		Ab 3.2			
		No Fucose	10 mM Fucose	No Fucose	10 mM Fucose		
Non-Fucosylation	G0	45.73	2.12	32.12	1.48	$(GlcNAc)_2(Man)_3(GlcNAc)_2$	
	G1	43.93	2.26	49.53	2.29	$(GlcNAc)_2(Man)_3(GlcNAc)_2(Gal)_1$	
	G2	8.88	0.40	12.69	0.61	$(GlcNAc)_2(Man)_3(GlcNAc)_2(Gal)_2$	
Fucosylation	G0	0.43	30.2	1.45	17.48	$Fuc(GlcNAc)_2(Man)_3(GlcNAc)_2$	
	G1	0.54	51.24	2.01	57.74	$Fuc(GlcNAc)_2(Man)_3(GlcNAc)_2(Gal)_1$	
	G2	0.50	13.78	2.27	20.41	$Fuc(GlcNAc)_2(Man)_3(GlcNAc)_2(Gal)_2$	

FIG. 16