

Oligo 11

20pmol/ μ L, Cone = 35V

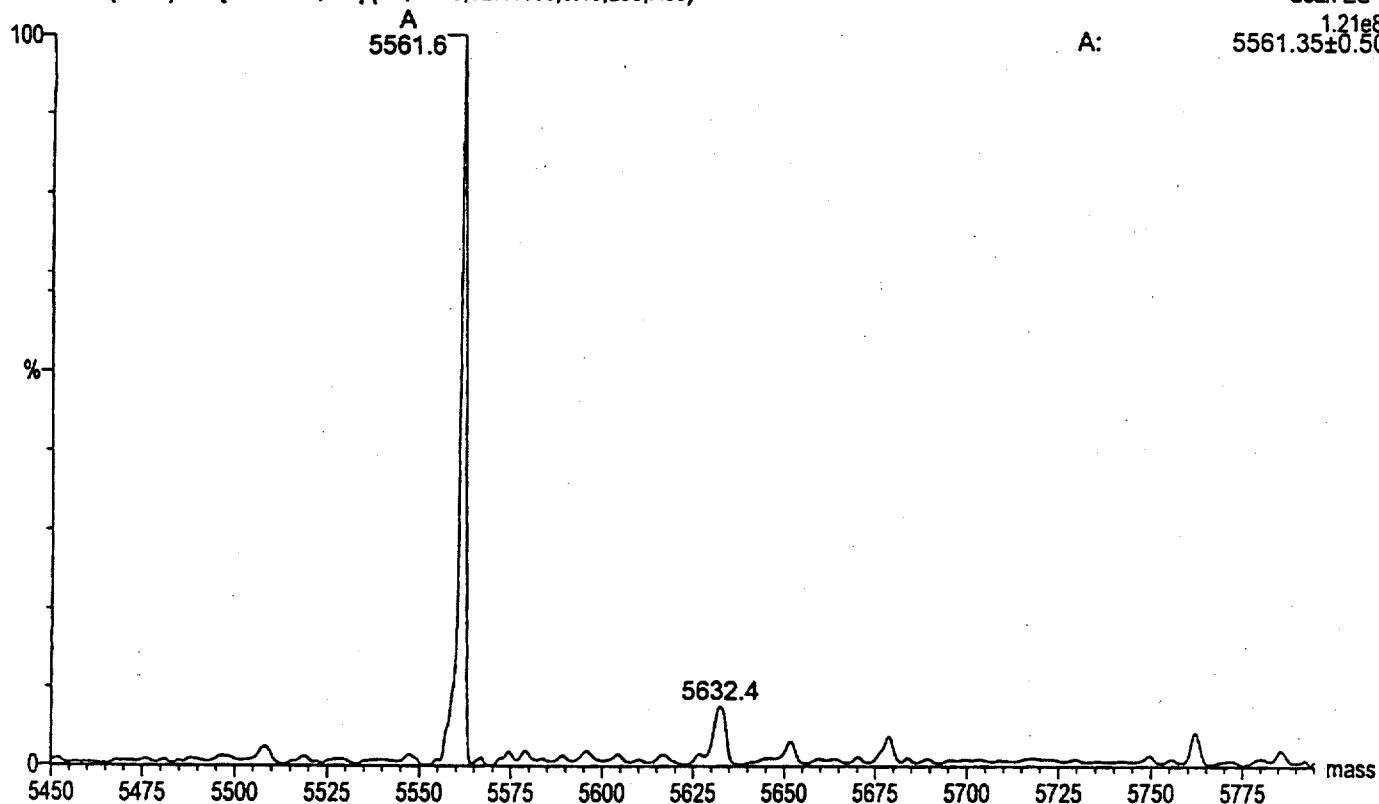
1 (3.100) ME [Ev-46042,1120] (Gs,0.800,527:1003,0.13,L33,R33)

Micromass

Scan ES-

1.21e8

A: 5561.35 $\pm$ 0.50



20pmol/ μ L, Cone = 35V

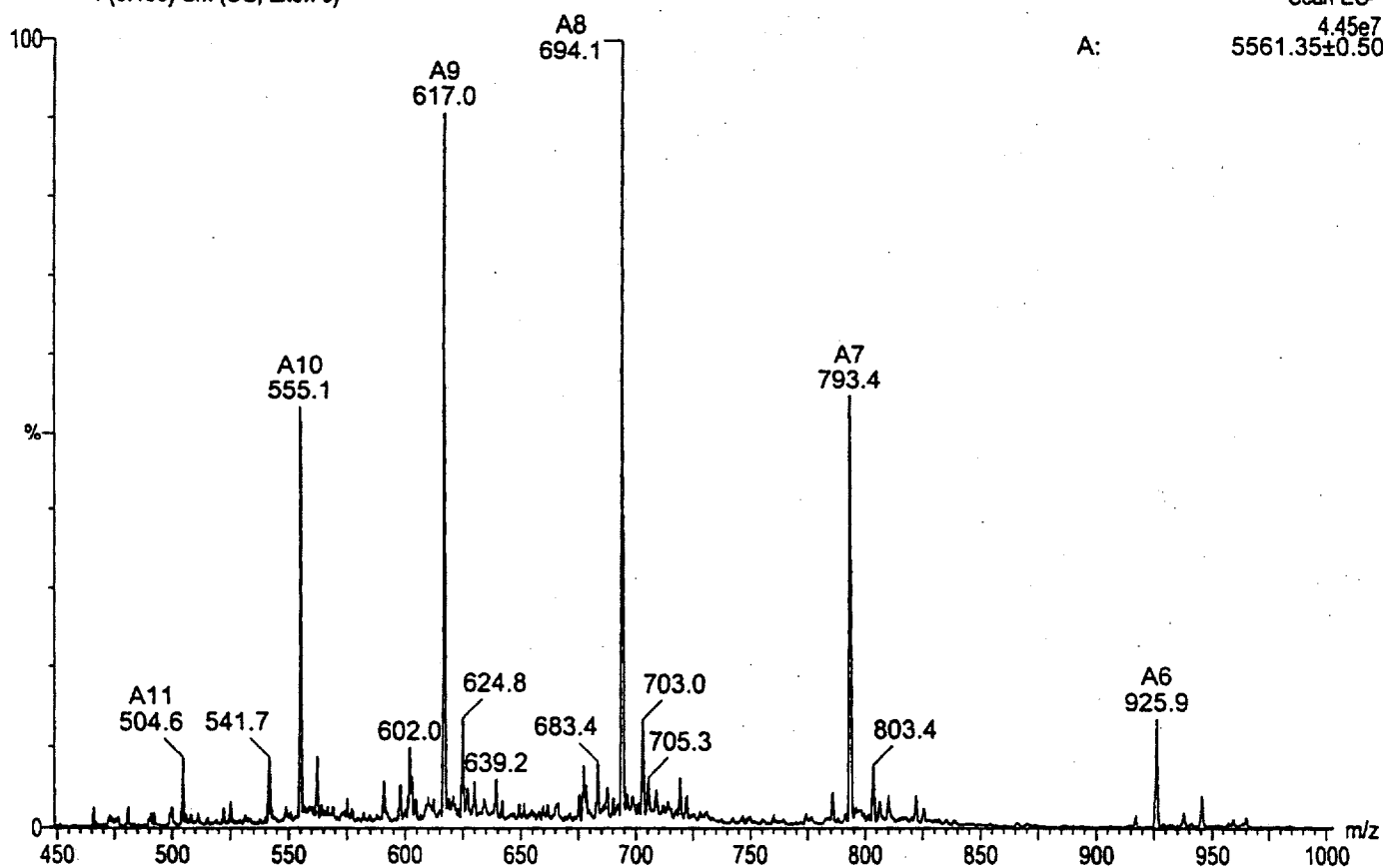
1 (3.100) Sm (SG, 2x0.70)

Micromass

Scan ES-

4.45e7

A: 5561.35 $\pm$ 0.50



ESI-MS spectra of oligo 11.

Oligo 12

20pmol/ μ L, Cone = 40V

1 (3.100) ME [Ev-53636,It18] (Gs,0.800,449:1001,0.13,L33,R33); Sb (1,30.00)

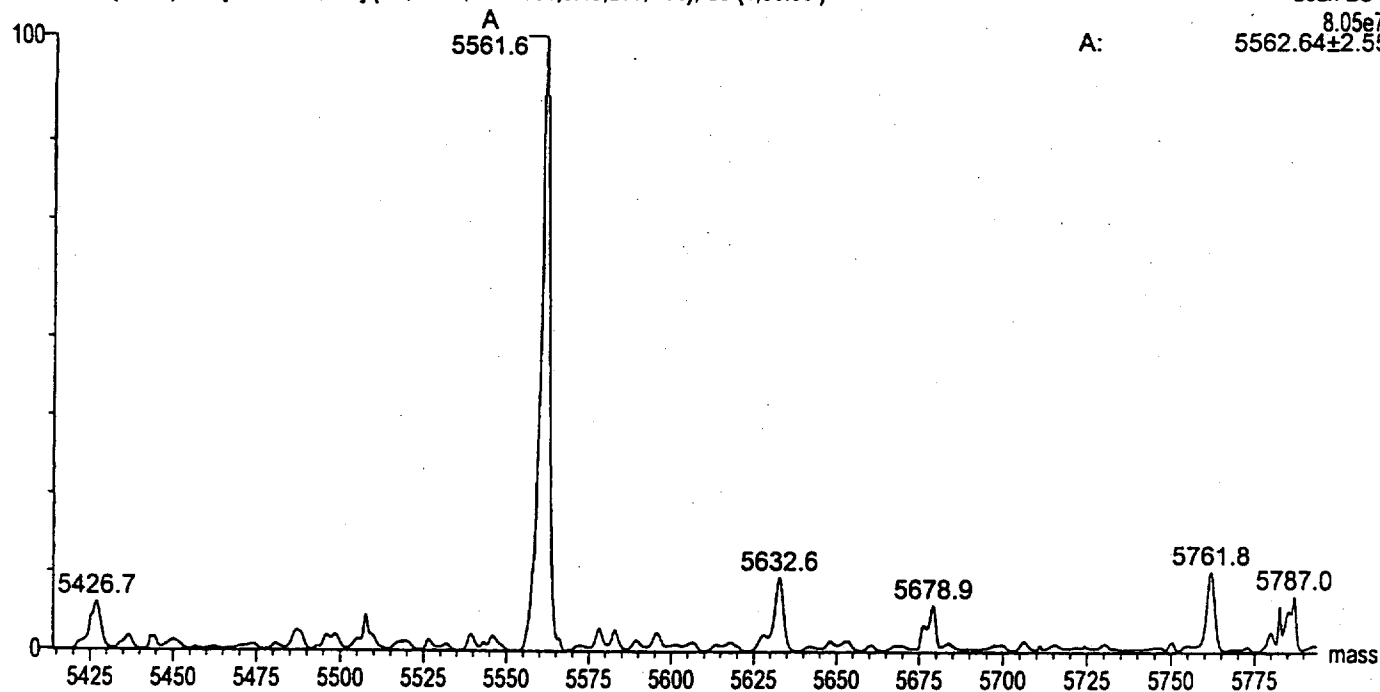
Micromass

Scan ES-

8.05e7

5562.64 $\pm$ 2.55

A:



20pmol/ μ L, Cone = 40V

1 (3.100) Sm (SG, 2x0.70); Sb (1,30.00)

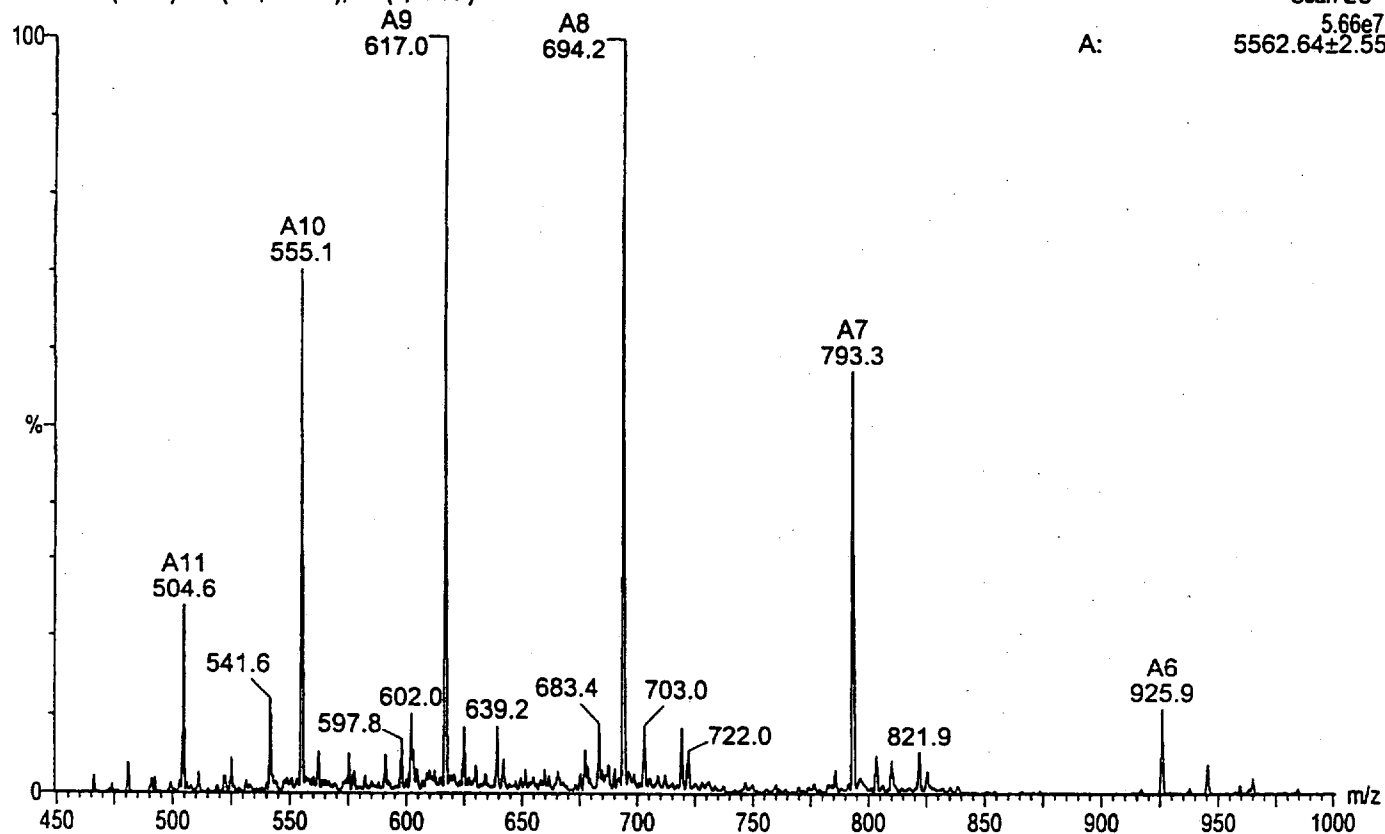
Micromass

Scan ES-

5.66e7

5562.64 $\pm$ 2.55

A:

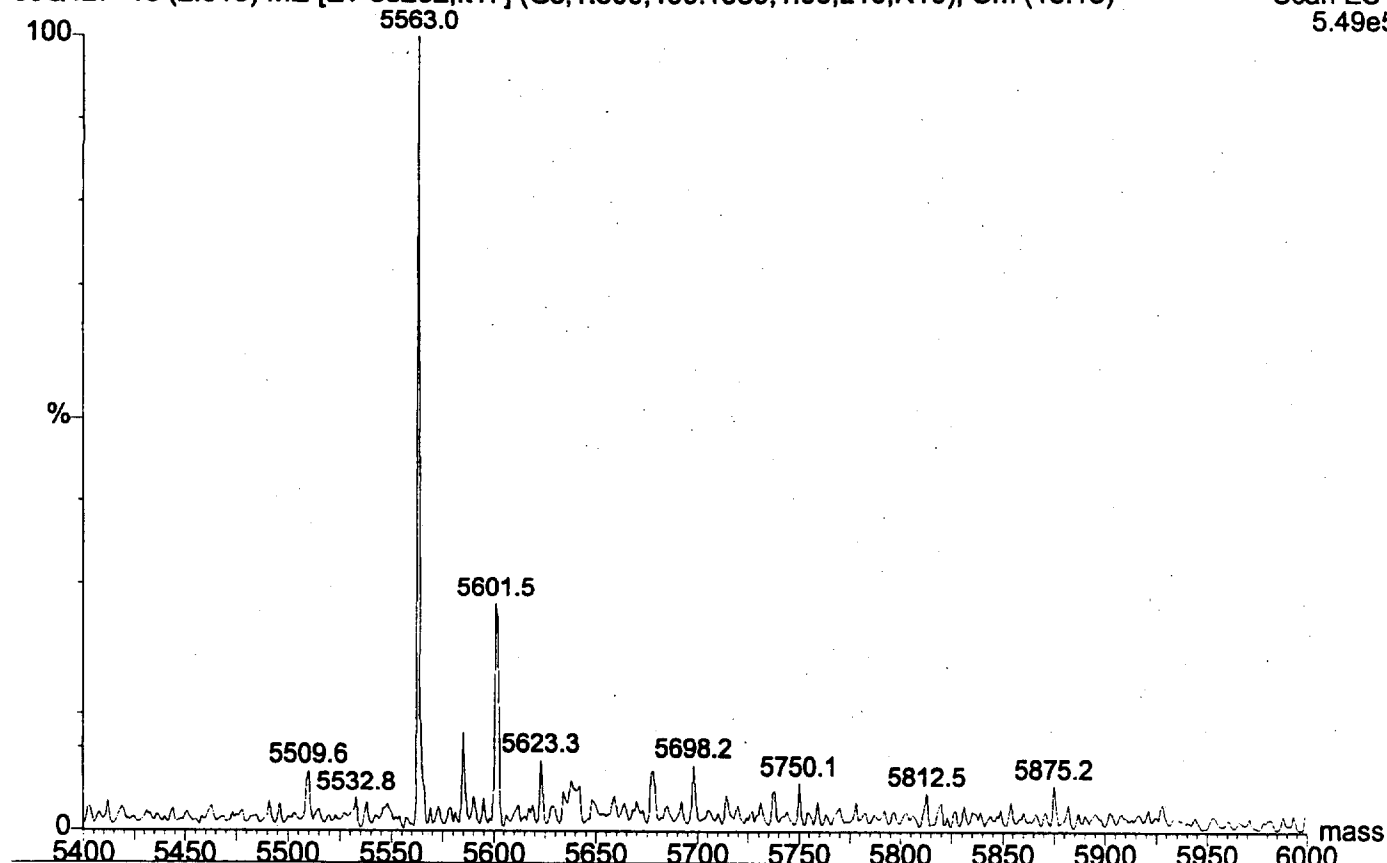


ESI-MS spectra of oligo 12.

Oligo 13

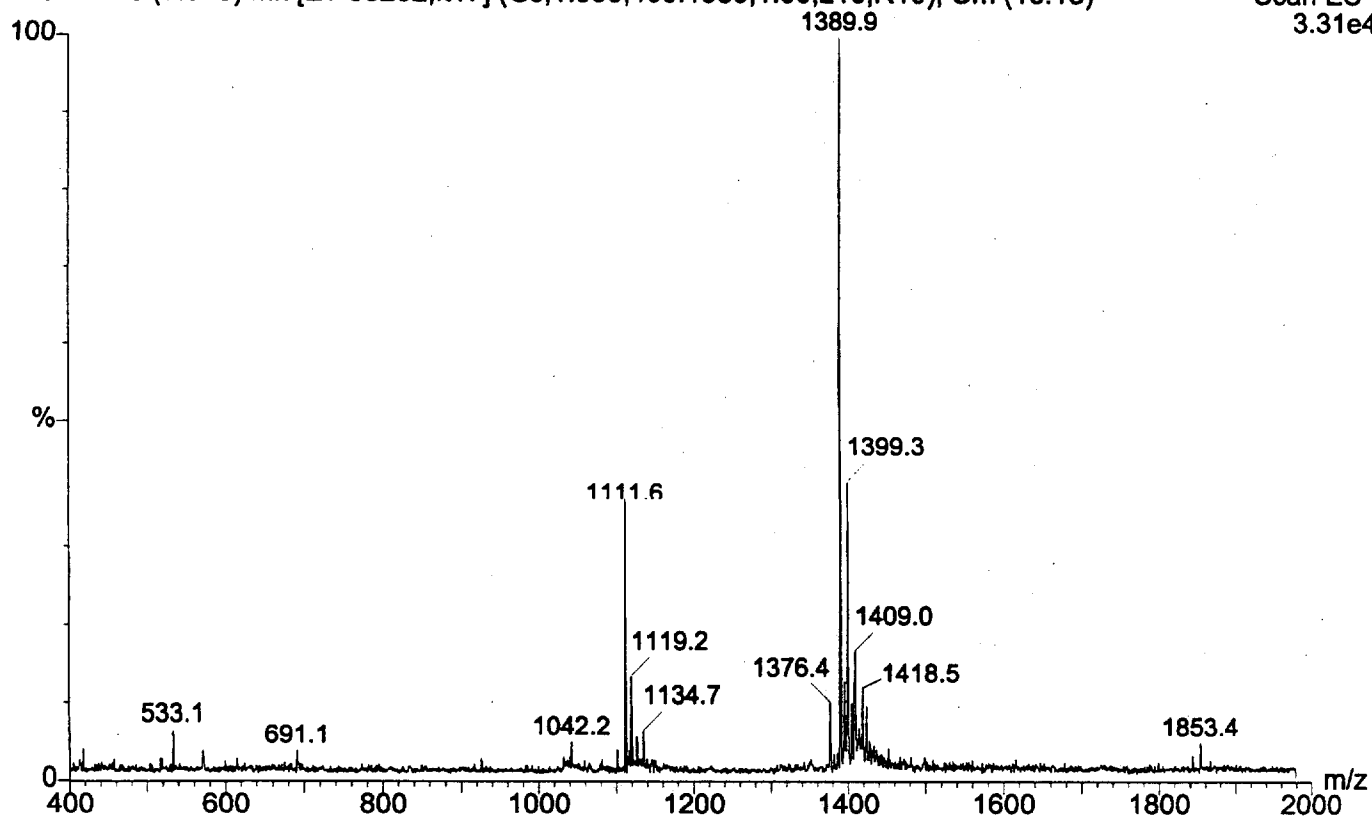
99Q427 18 (2.516) ME [Ev-88252,It17] (Gs,1.300,400:1980,1.00,L10,R10); Cm (15:18)

Scan ES-
5.49e5



99Q427 18 (2.516) Mk [Ev-88252,It17] (Gs,1.300,400:1980,1.00,L10,R10); Cm (15:18)

Scan ES-
3.31e4

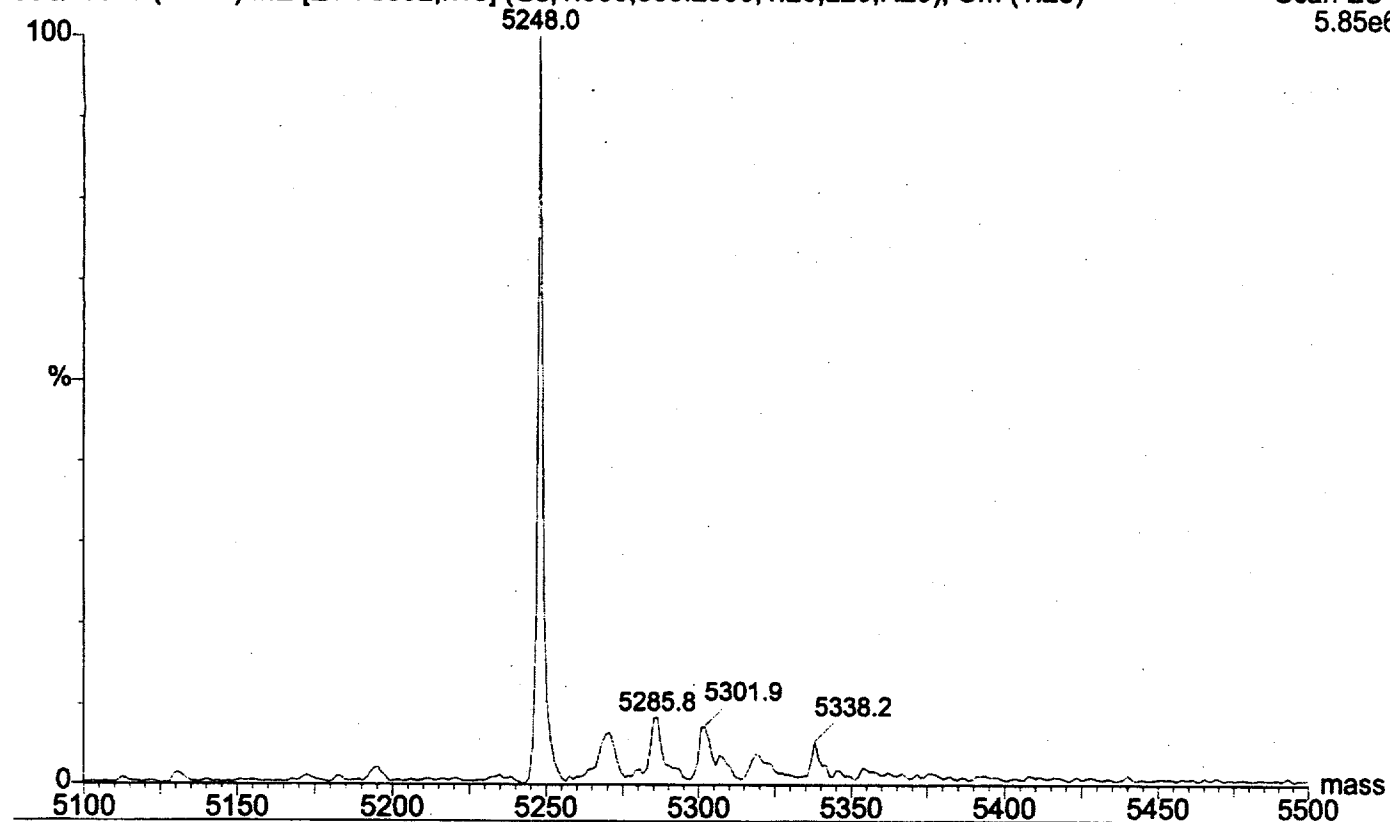


ESI-MS spectra of Oligo 13.

Oligo 14

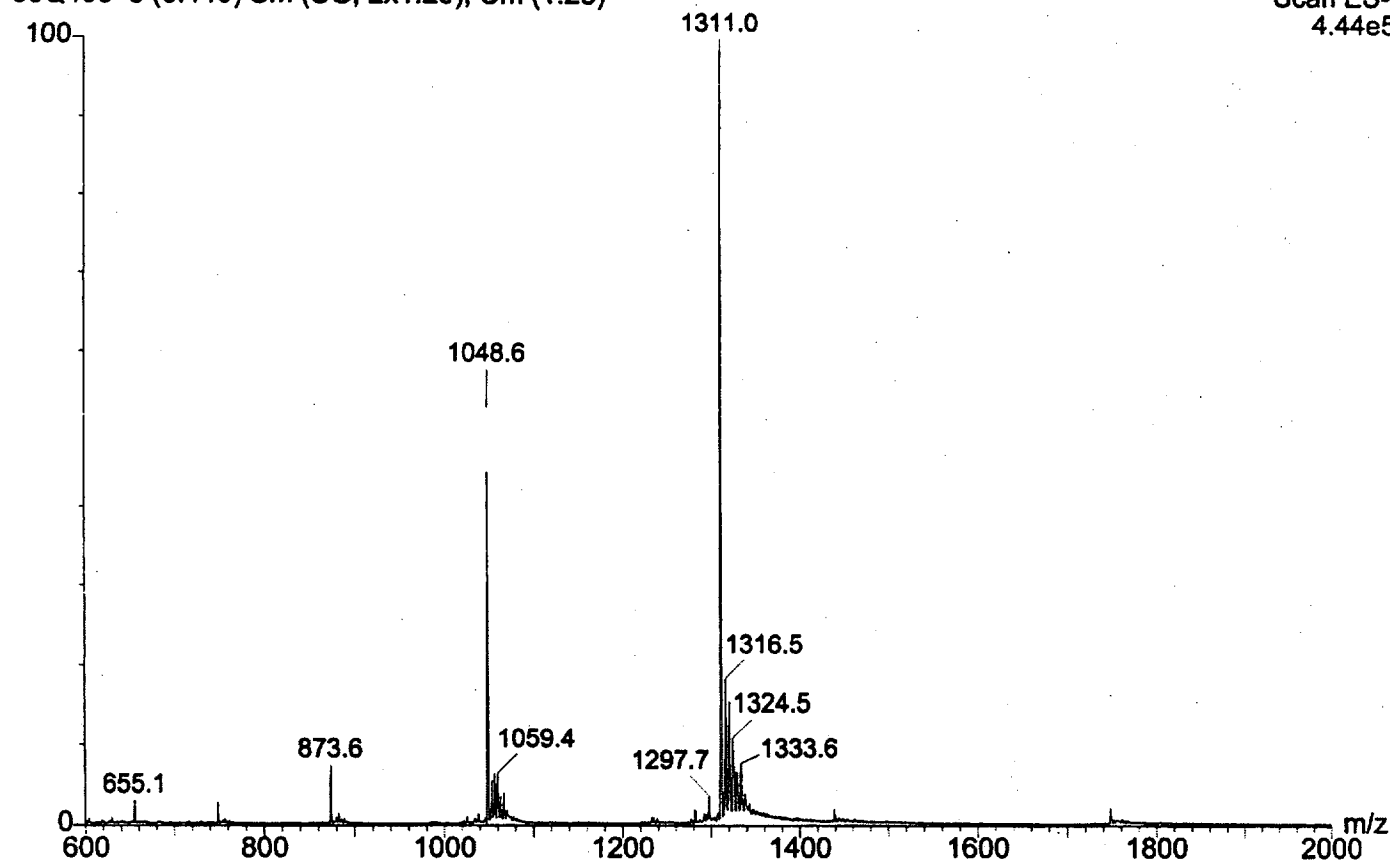
99Q406 3 (0.440) ME [Ev-78992,It15] (Gs,1.000,600:2000,1.20,L20,R20); Cm (1:28)

Scan ES-
5.85e6

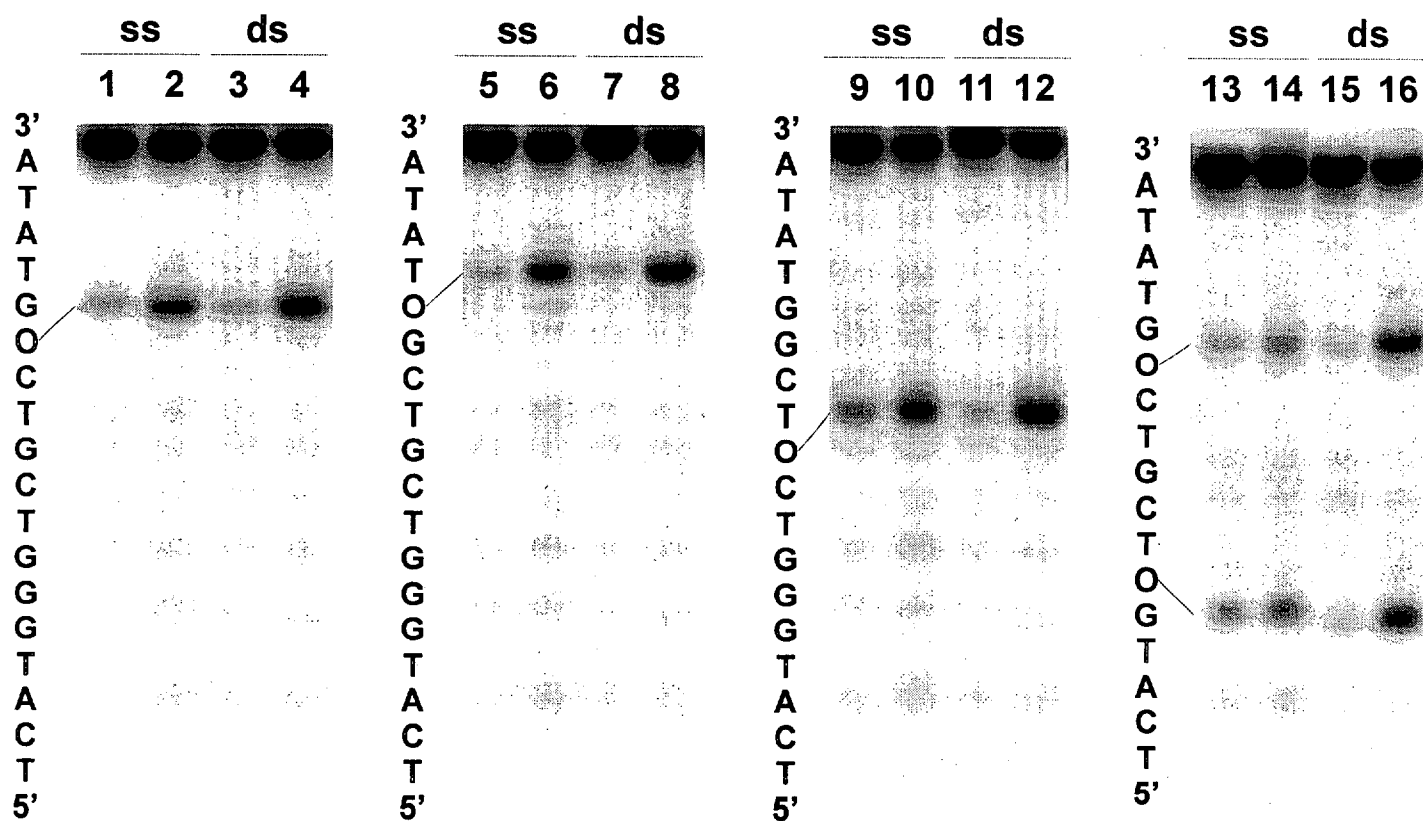


99Q406 3 (0.440) Sm (SG, 2x1.20); Cm (1:28)

Scan ES-
4.44e5



ESI-MS spectra of Oligo 14.



20% polyacrylamide gel showing cleavage sites due to NiCR/KHSO₅. Control lanes 1, 3, 5, 7, 9, 11, 13, and 15 contain 20 μ M KHSO₅. Lanes 2, 4, 6, 8, 10, 12, 14, and 16 contain 20 μ M KHSO₅ and 3 μ M NiCR. All lanes were treated with 0.2 M piperidine at 90°C for 30 min. The reactivity of each nucleobase was quantified using a Storm phosphorimager and ImageQuaNT software by Molecular Dynamics. Corrected values were reported by subtracting the reactivity of the respective control lane from the lane of interest.