

ESI for

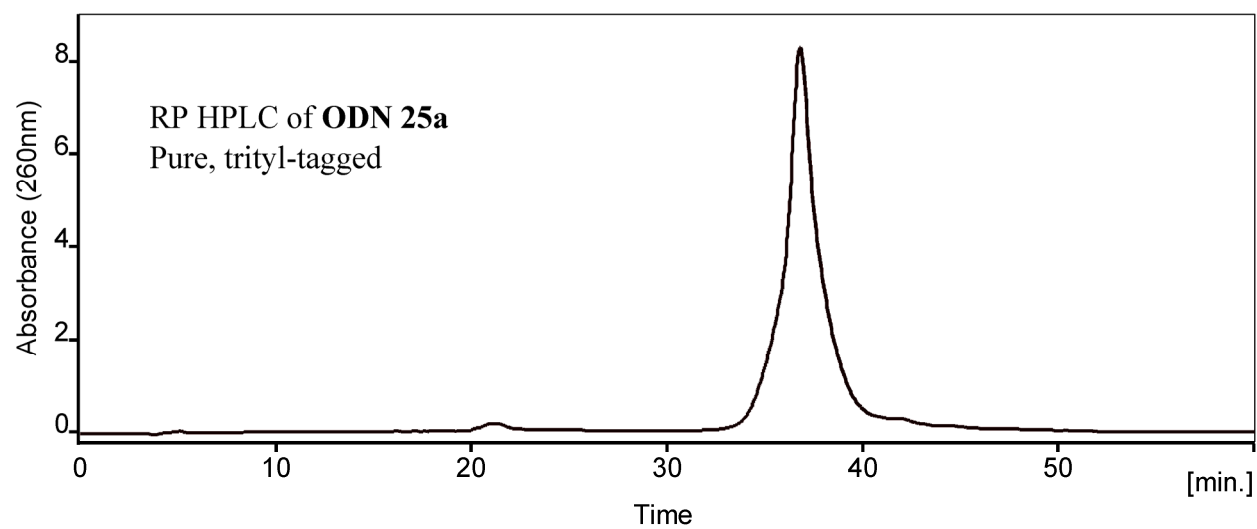
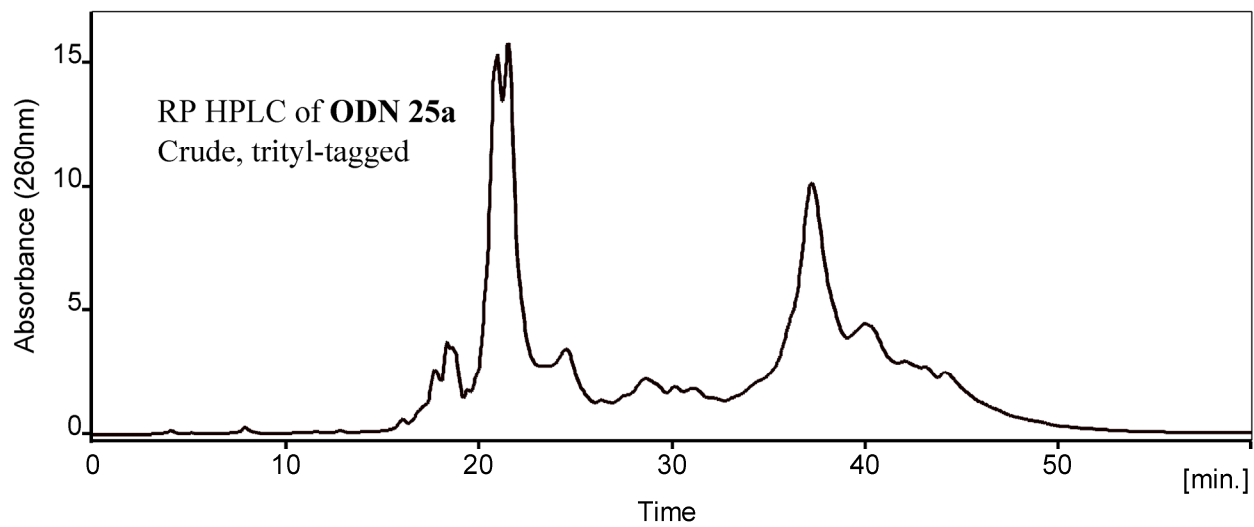
PEGylated Dmoc Phosphoramidites for Sensitive Oligodeoxynucleotide Synthesis

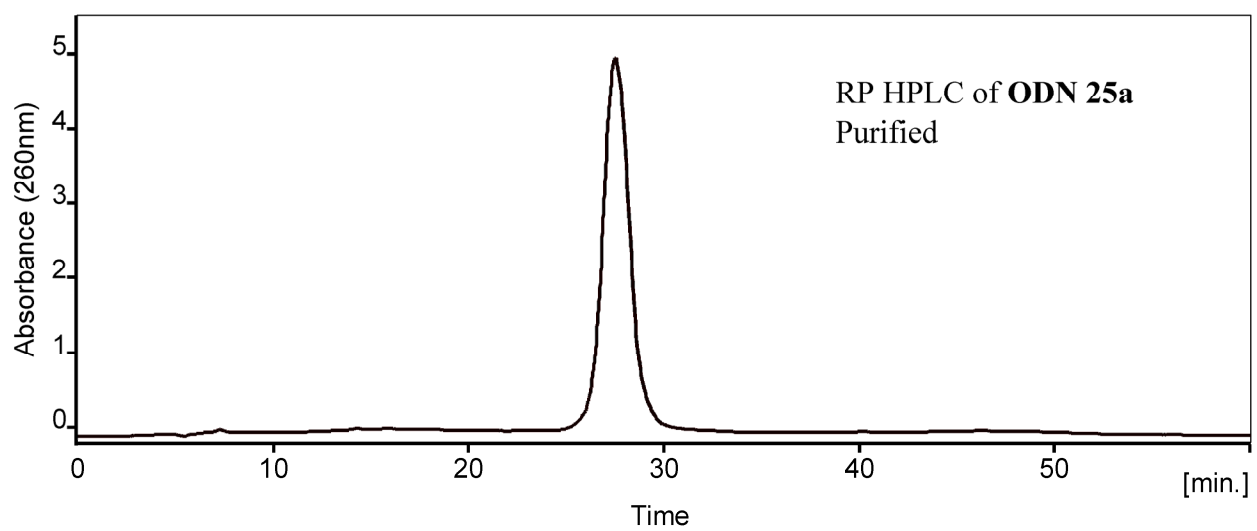
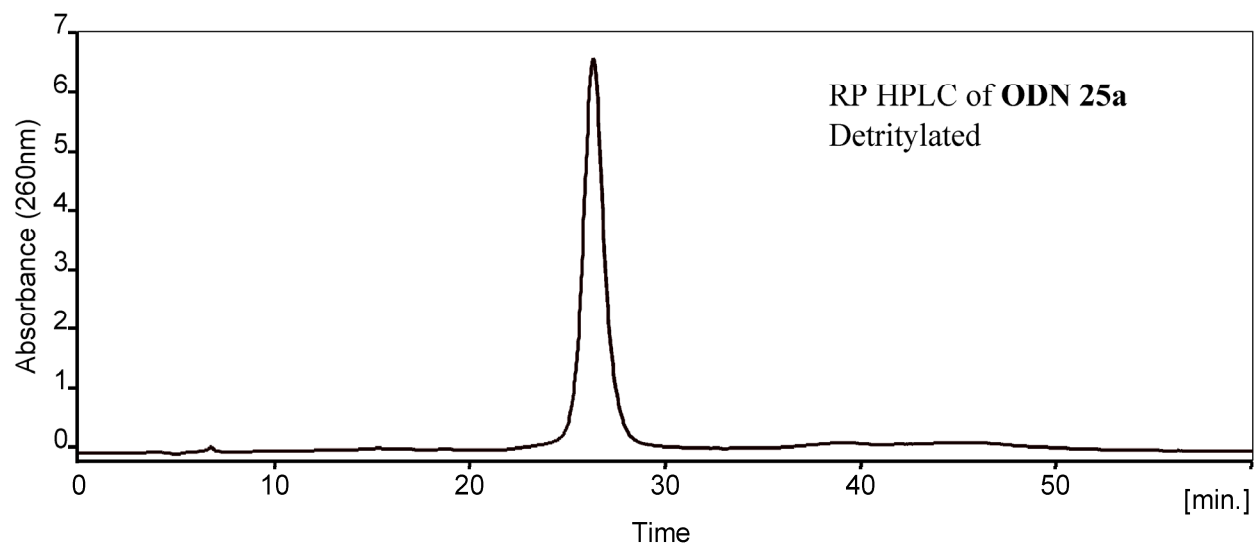
Komal Chillar, Yipeng Yin, Alexander Apostle and Shiyue Fang*

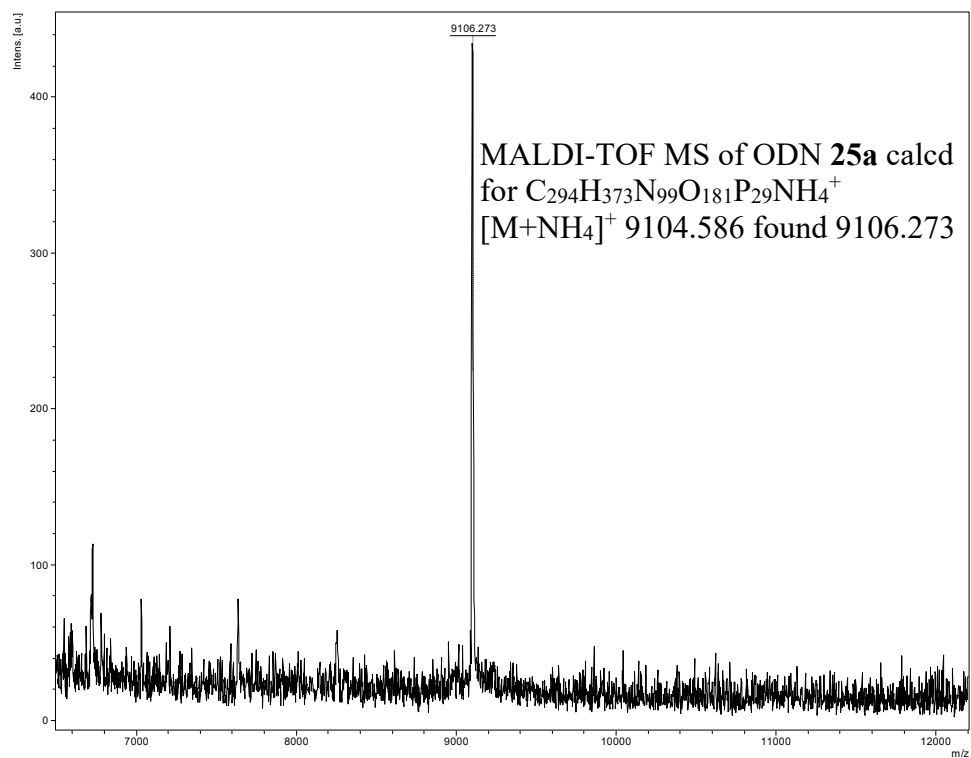
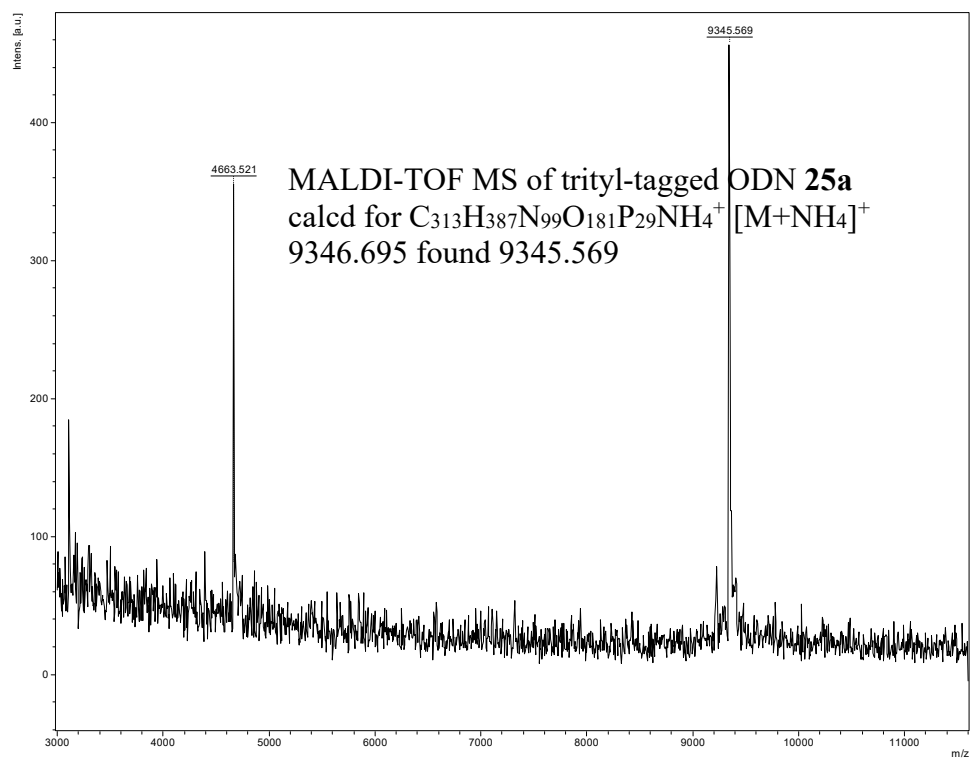
Department of Chemistry and Health Research Institute, Michigan Technological University,
1400 Townsend Drive, Houghton, MI, 49931, USA

Email: shifang@mtu.edu

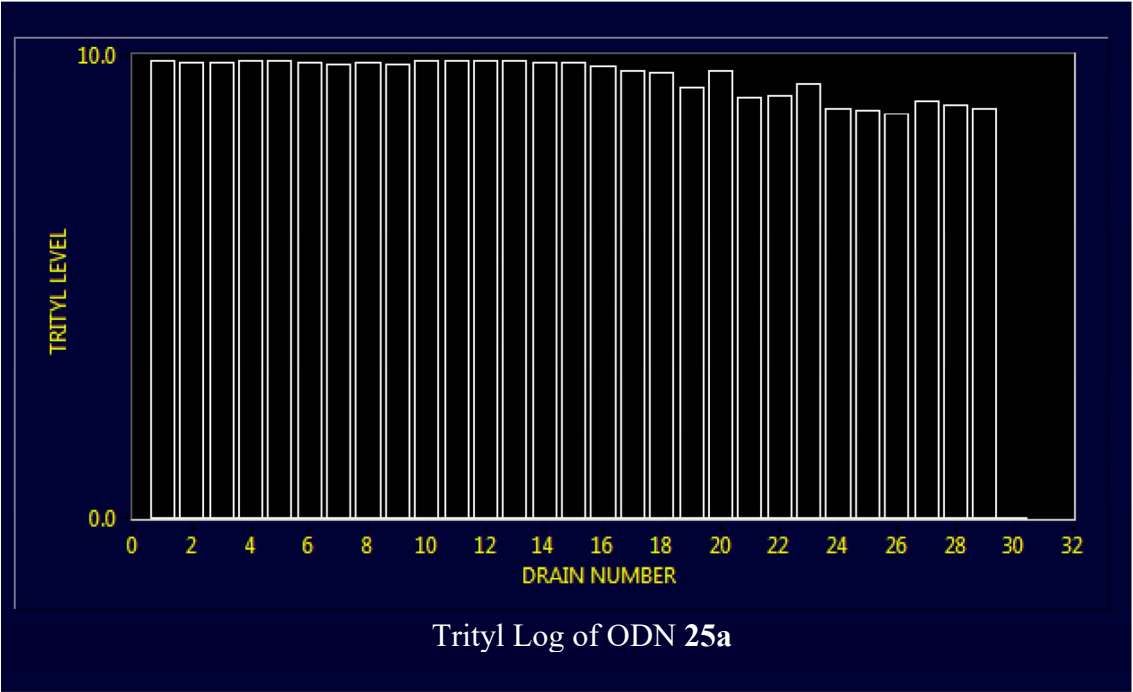
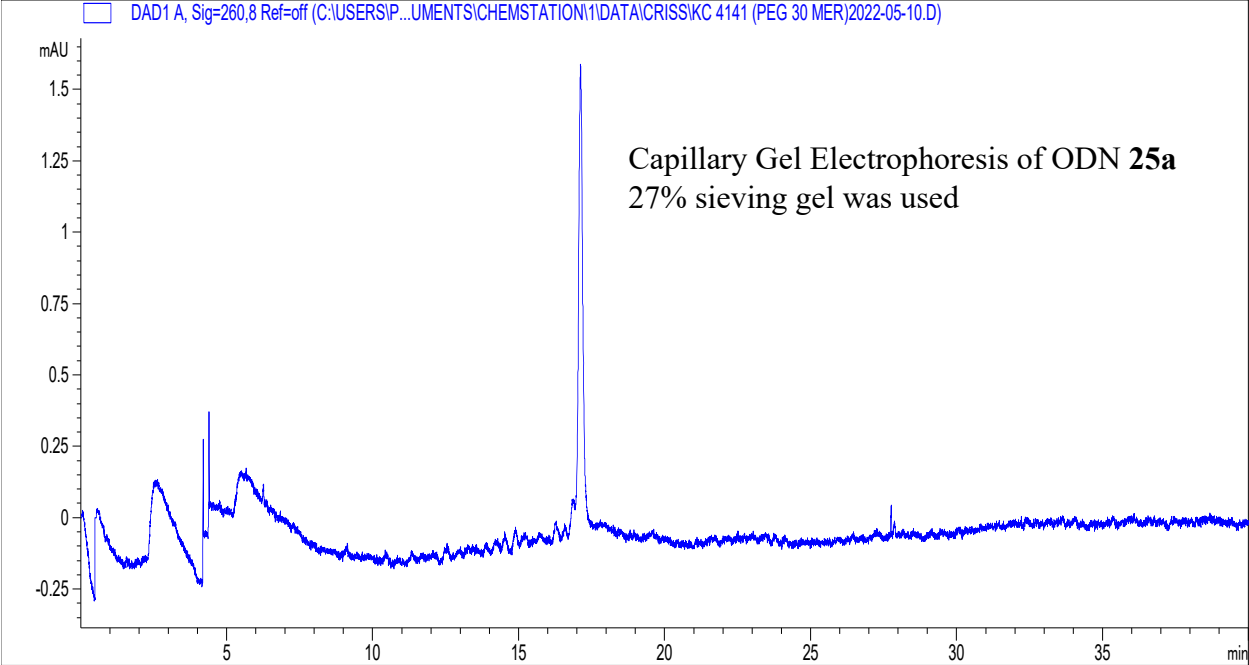
**HPLC, MALDI-TOF MS, OD₂₆₀, Capillary Electrophoresis, and Trityl Log
for Oligodeoxynucleotides**

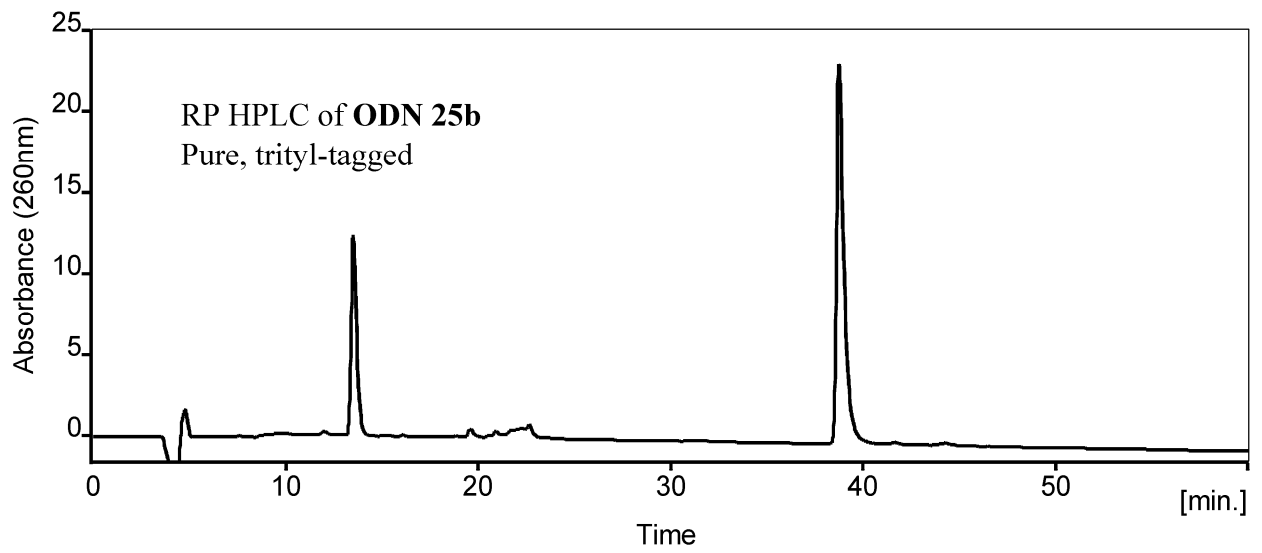
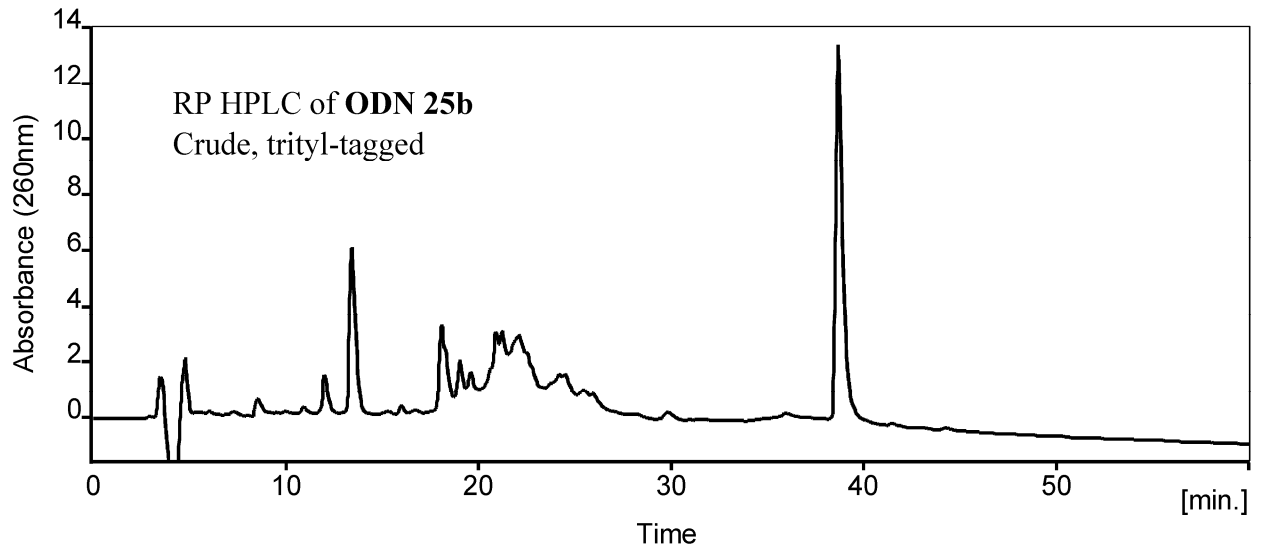


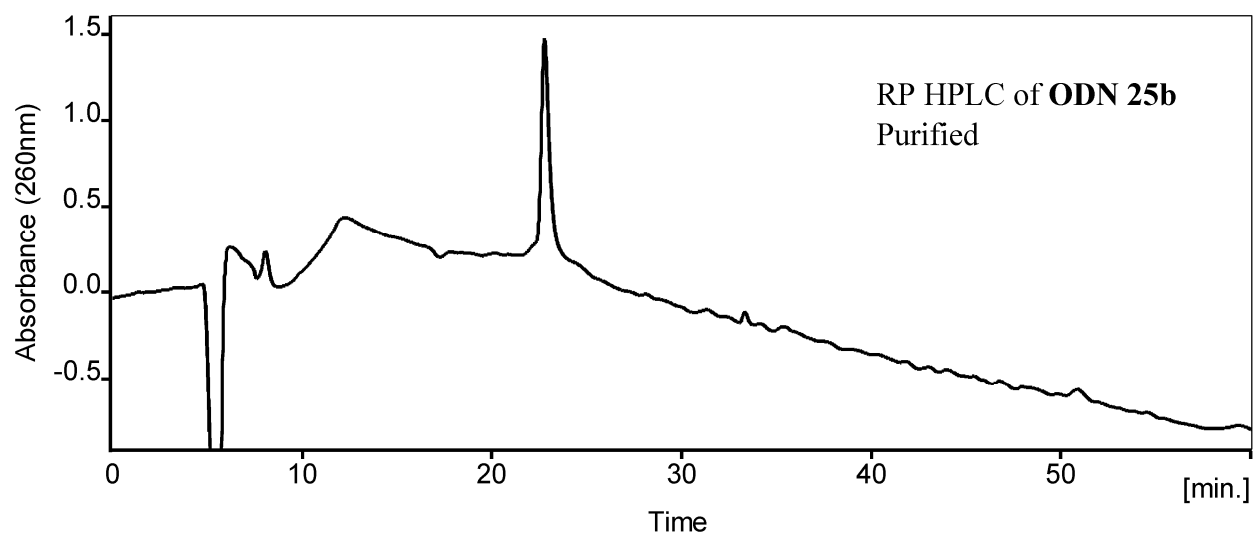
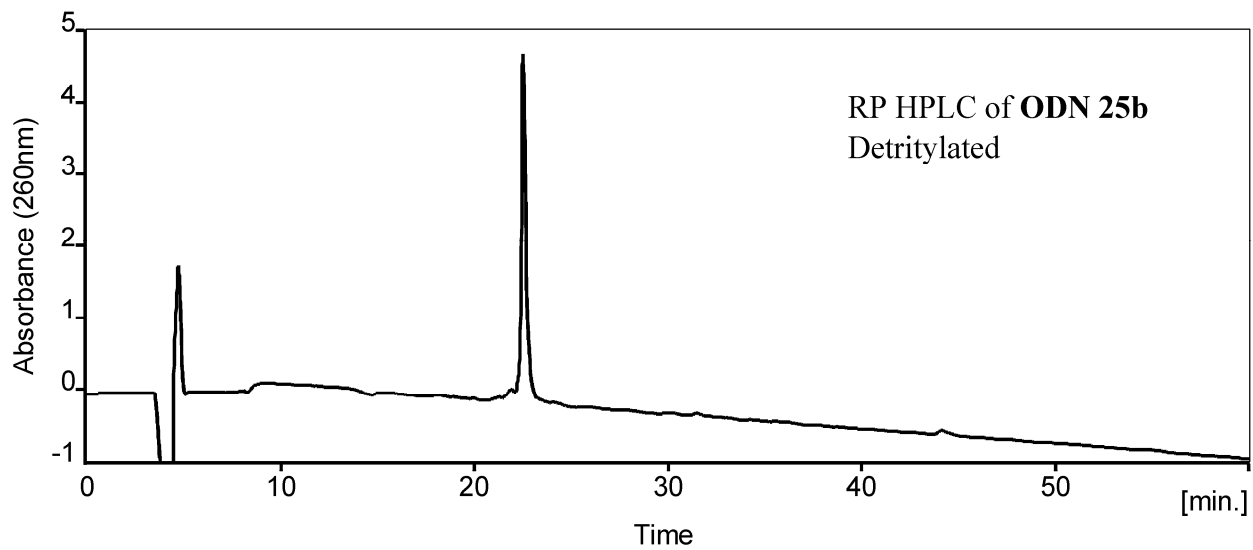


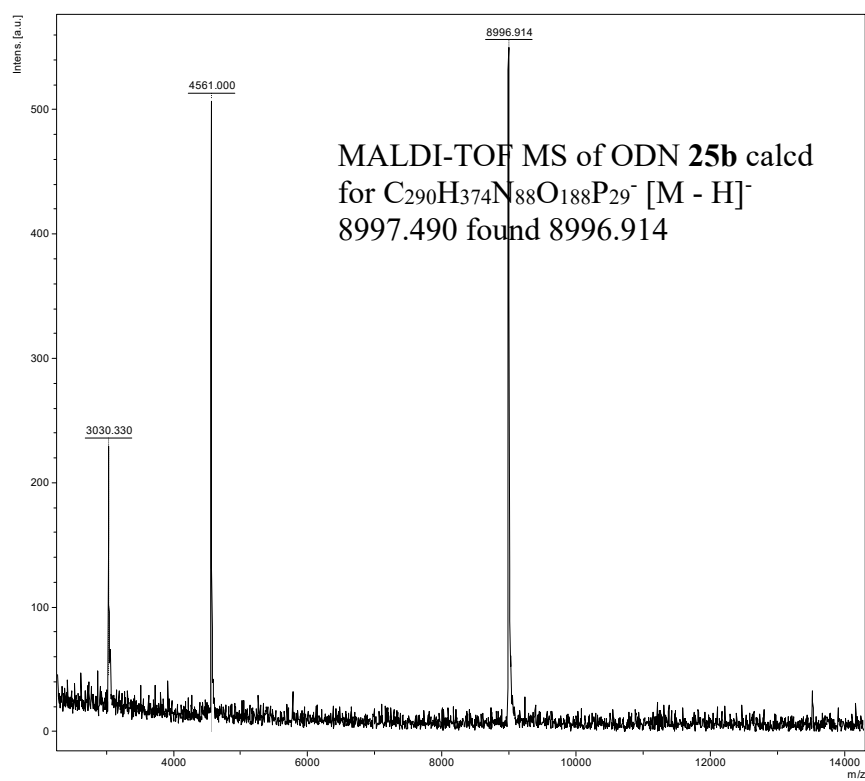
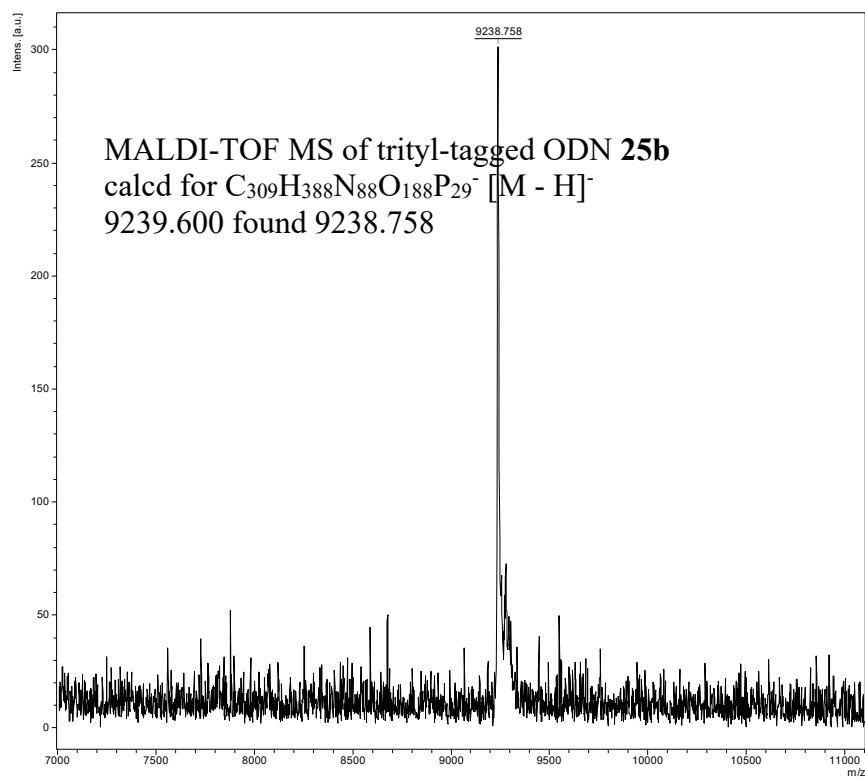


OD₂₆₀ of the ODN **25a** (30-mer) obtained from the 0.52 μ mol synthesis is 2.17.

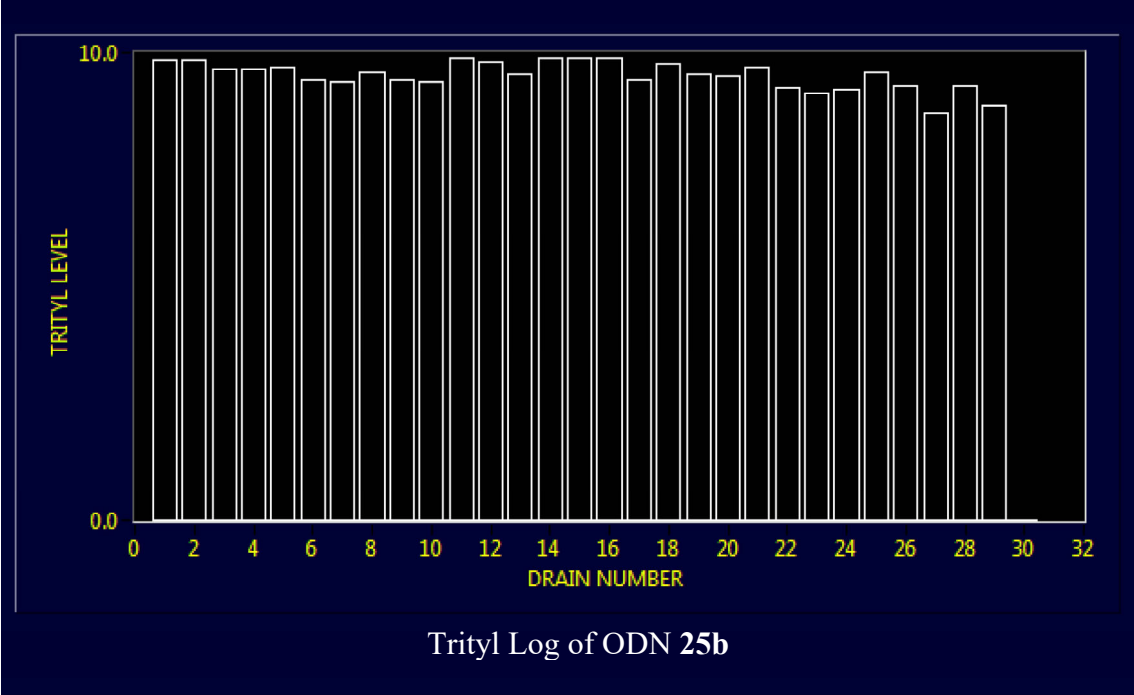
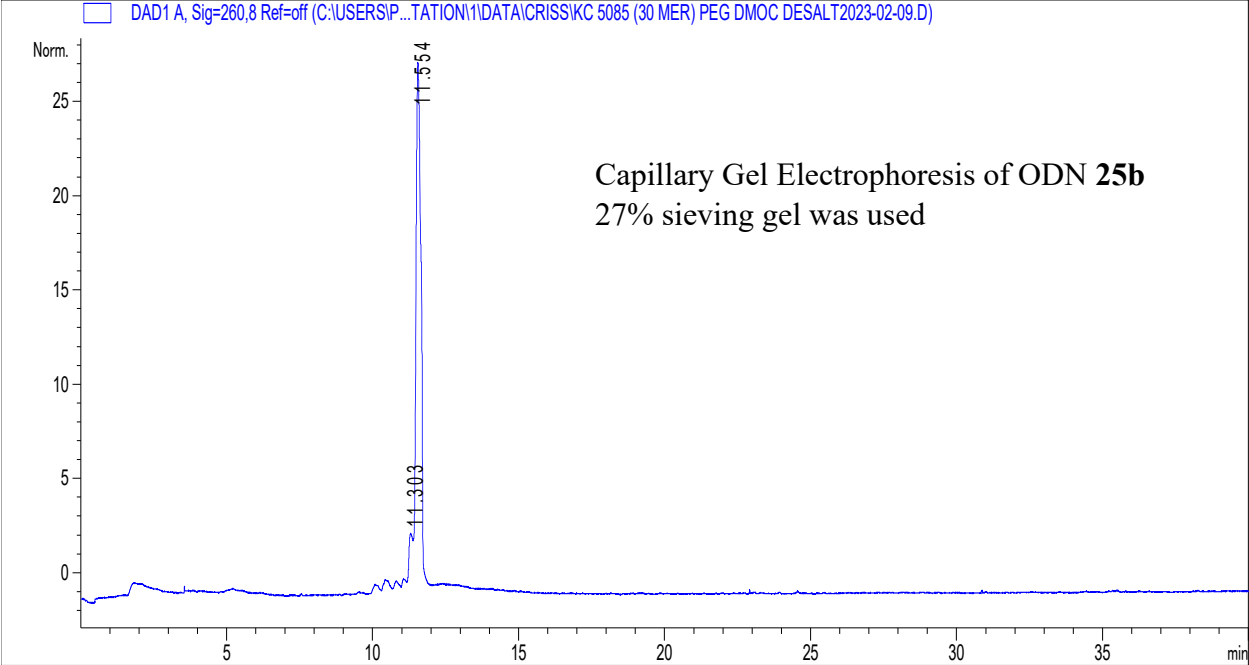


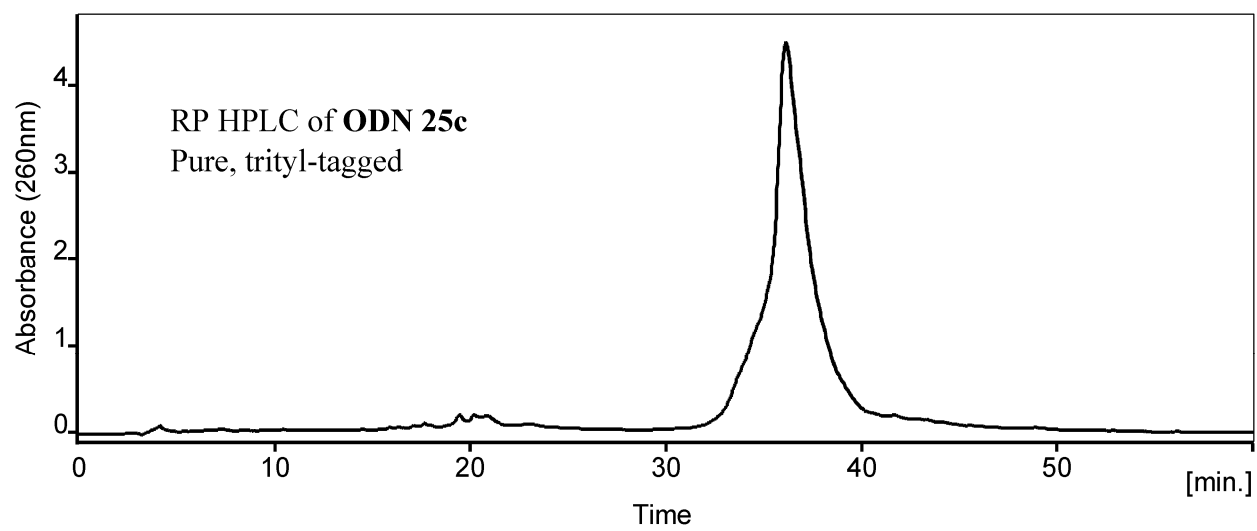
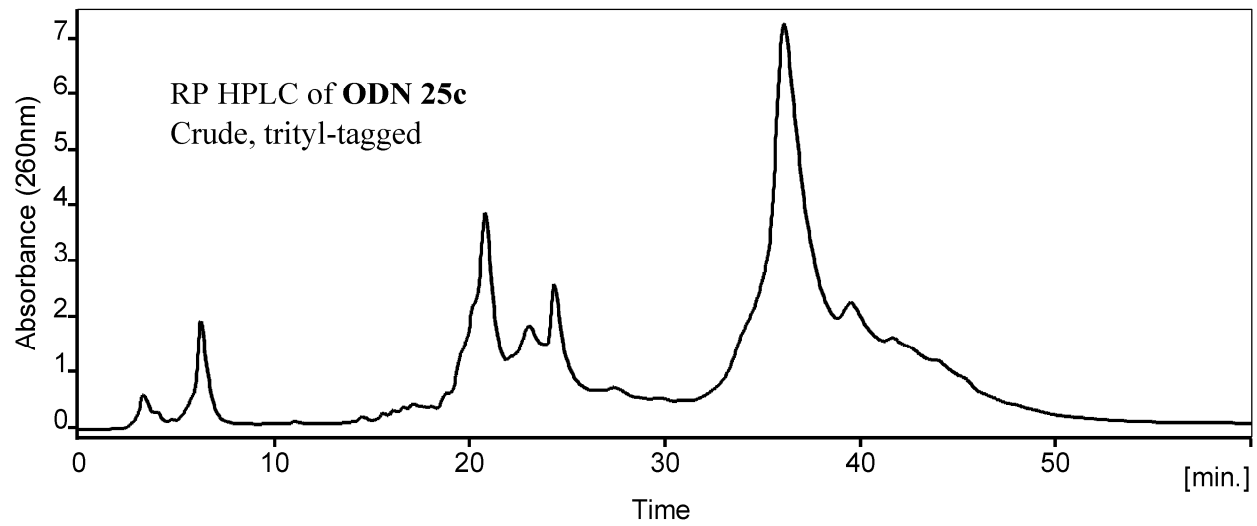


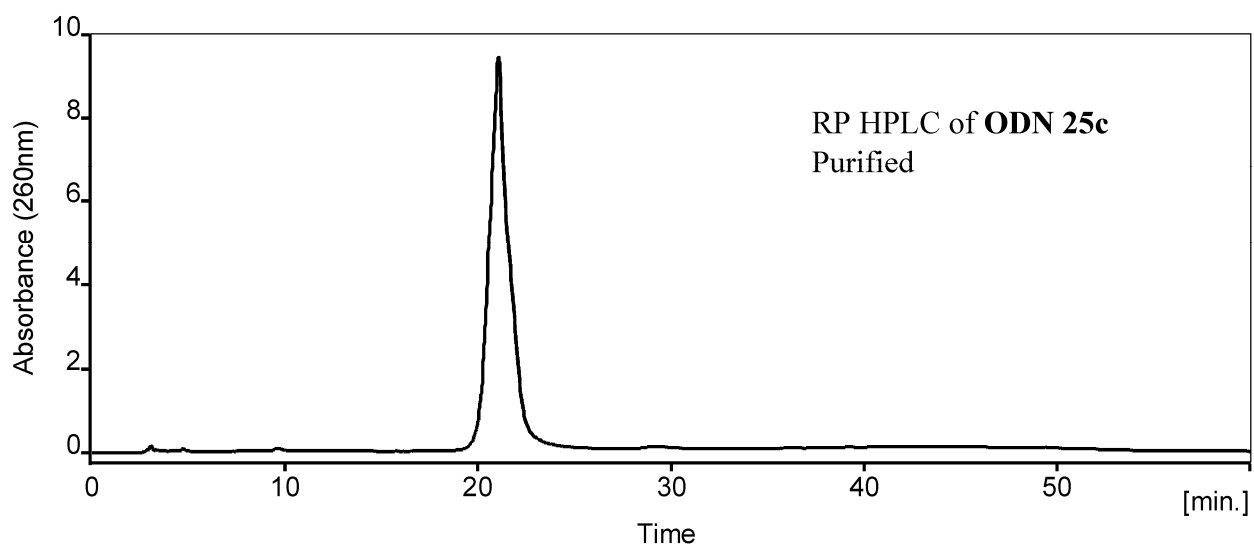
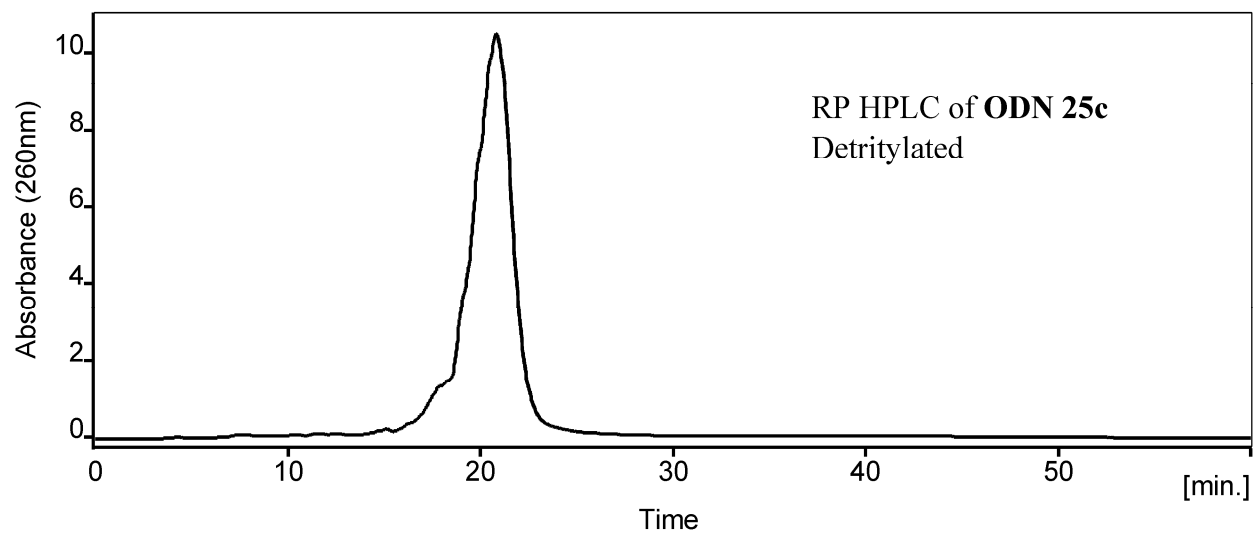


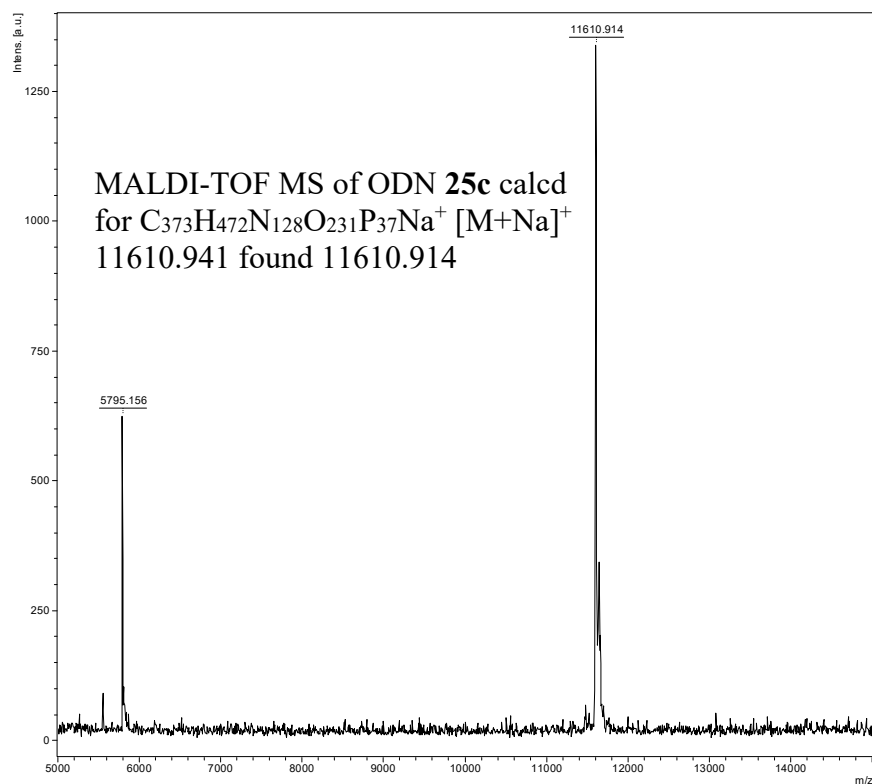


OD₂₆₀ of the ODN **25b** (30-mer) obtained from the 0.52 μmol synthesis is 0.196.

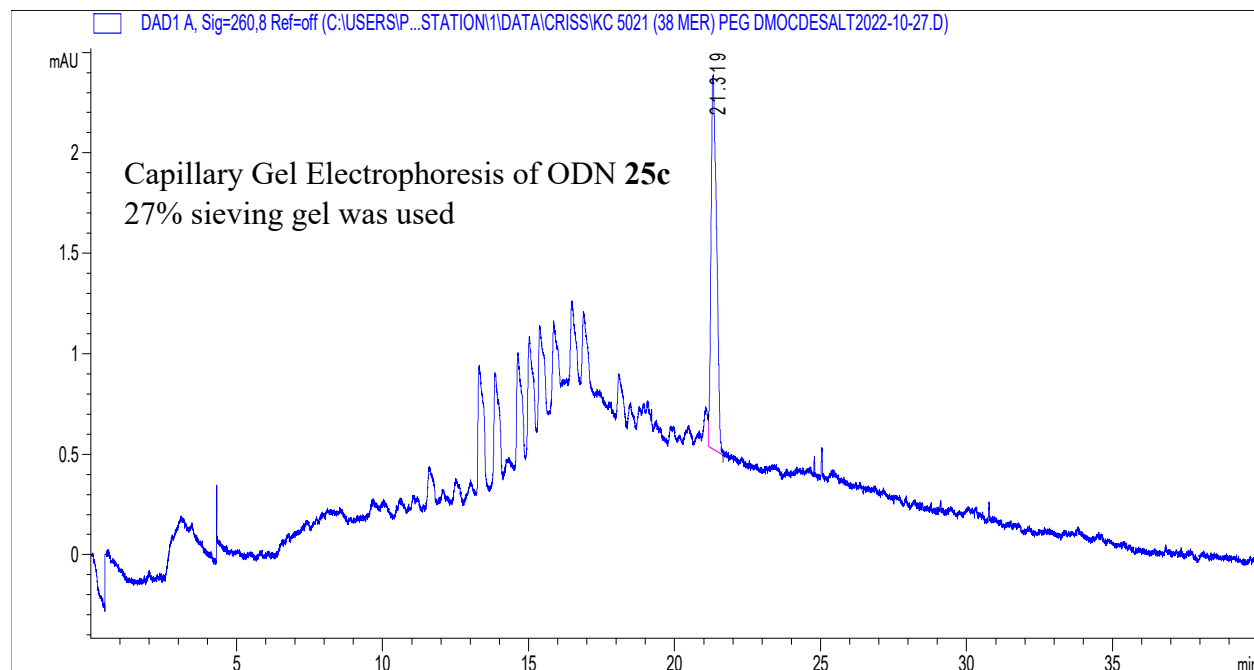


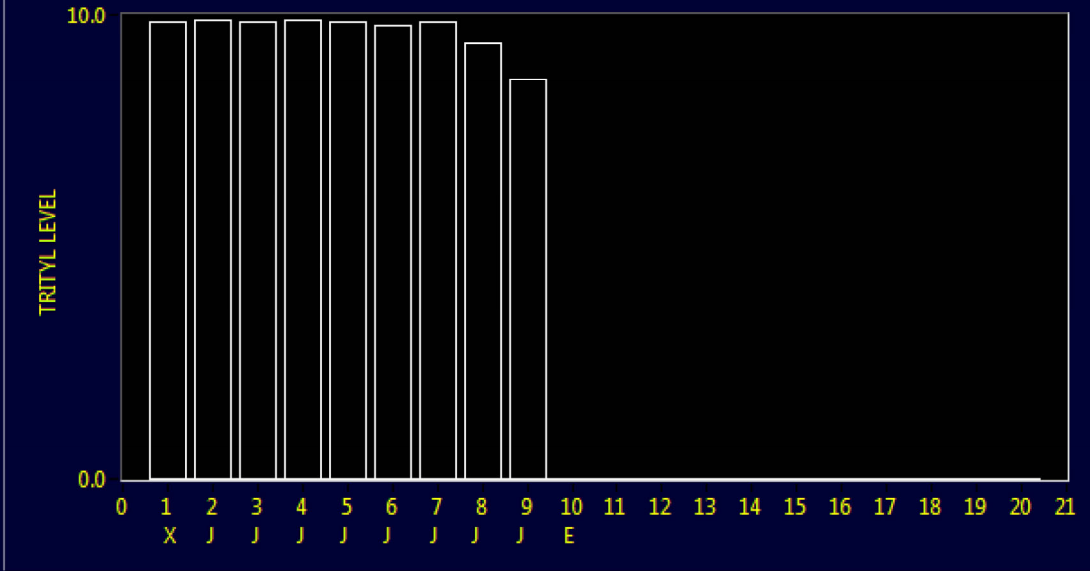




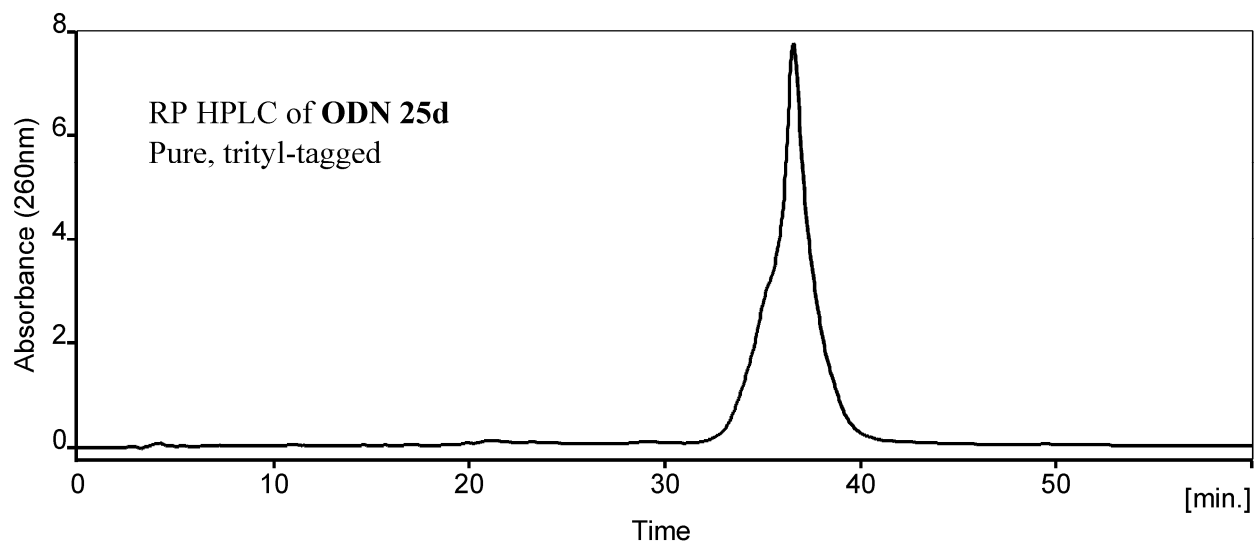
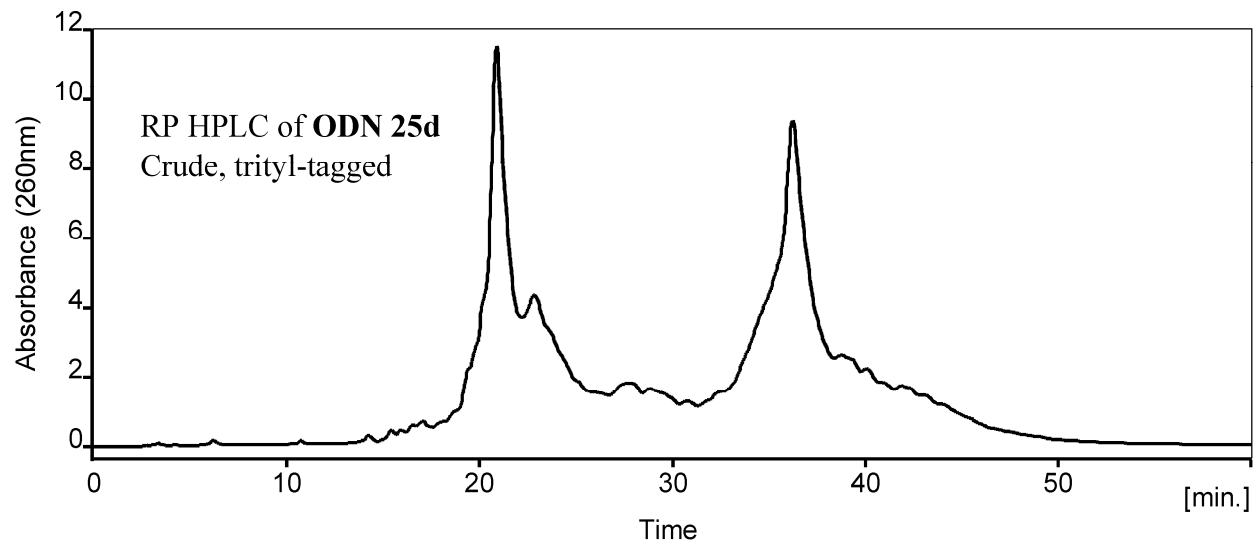


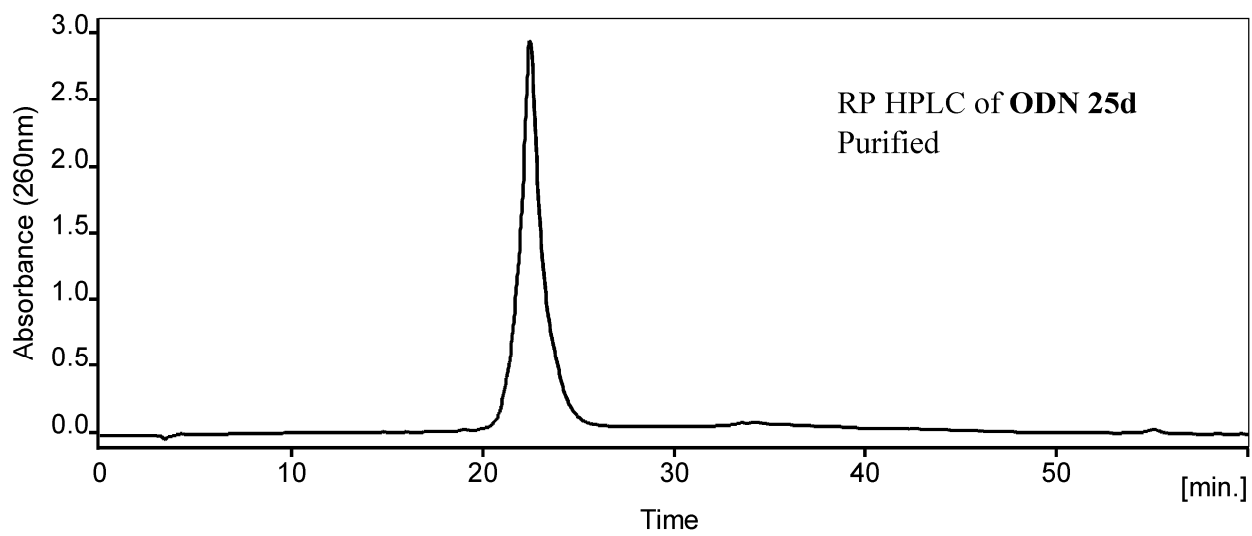
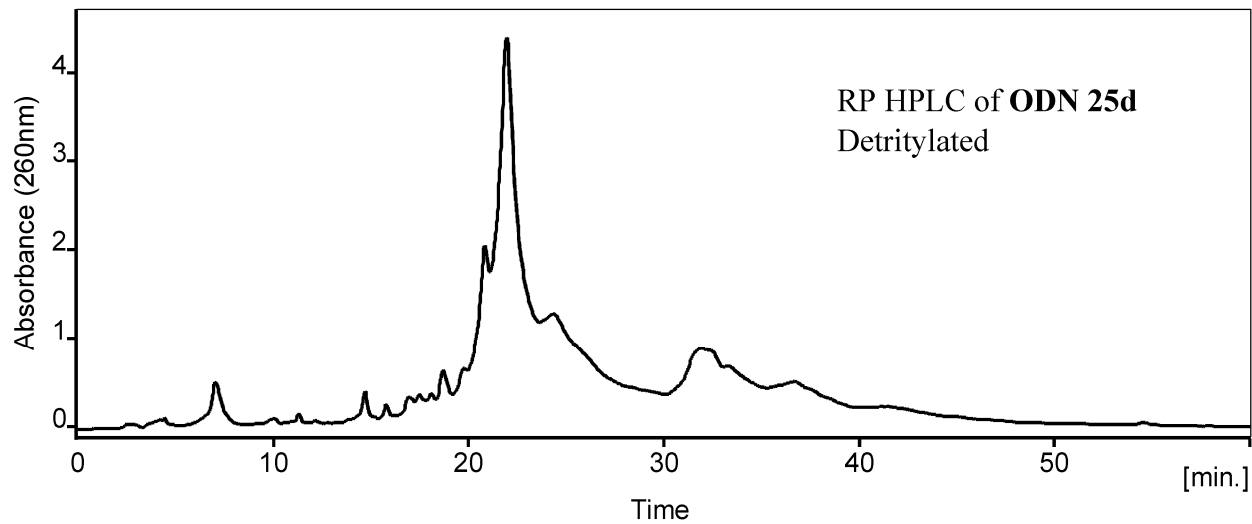
OD₂₆₀ of the ODN **25c** (38-mer) obtained from the 0.52 μmol synthesis is 3.15.

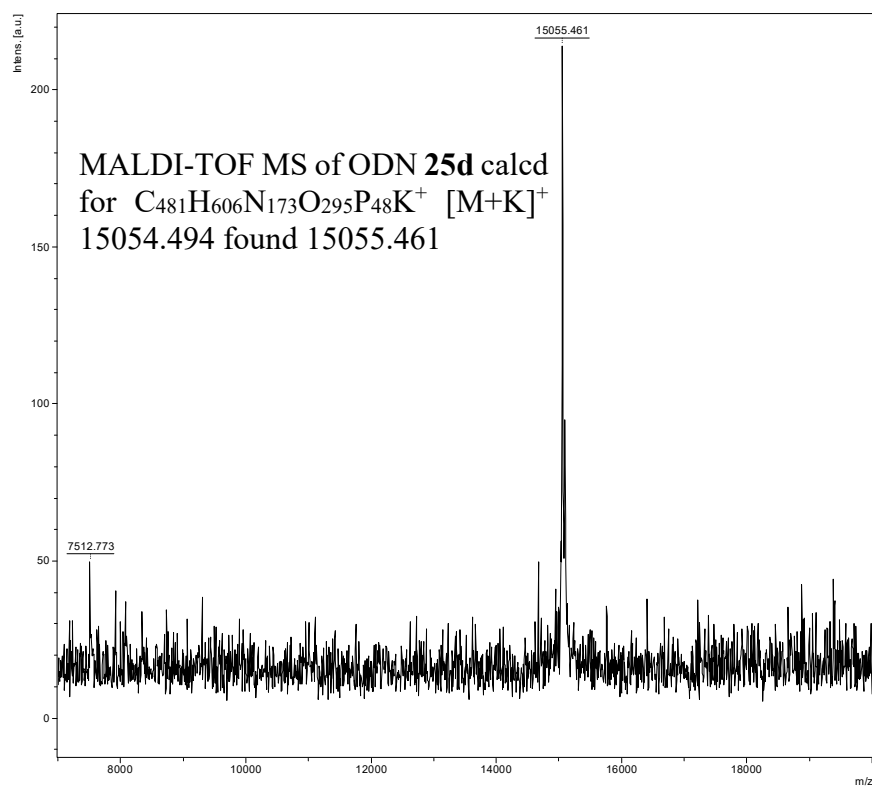




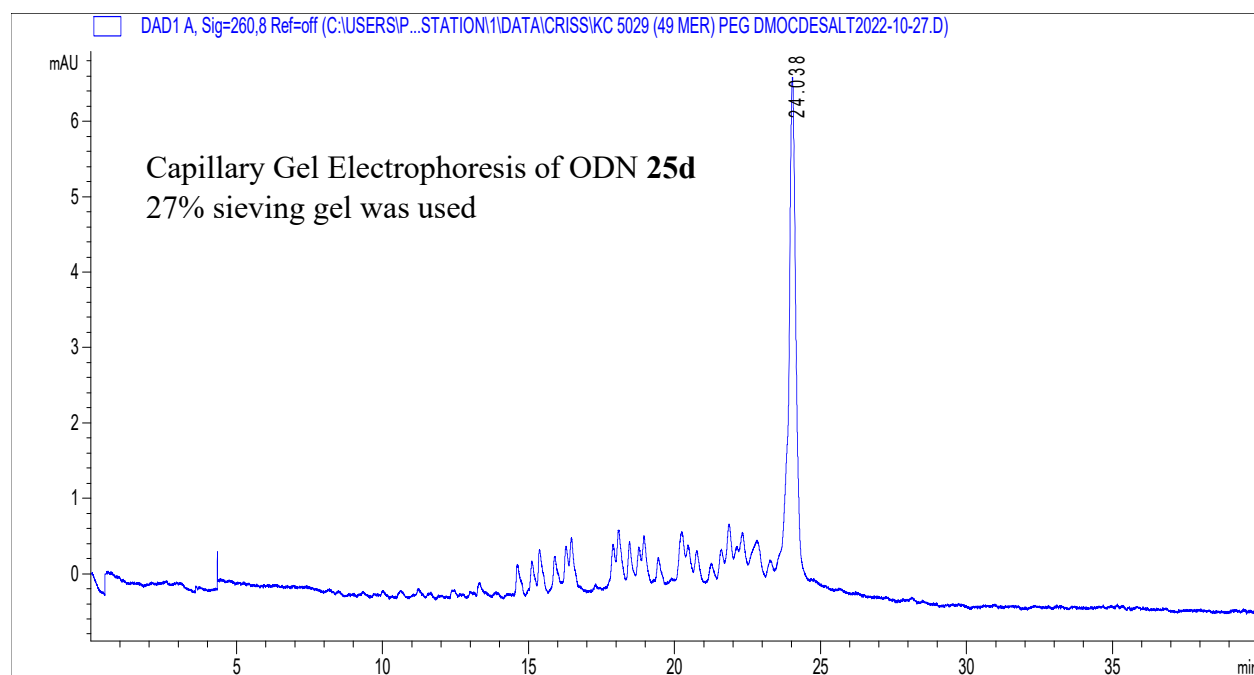
Trityl Log of ODN 25c (ODN 25a extended to ODN25c)

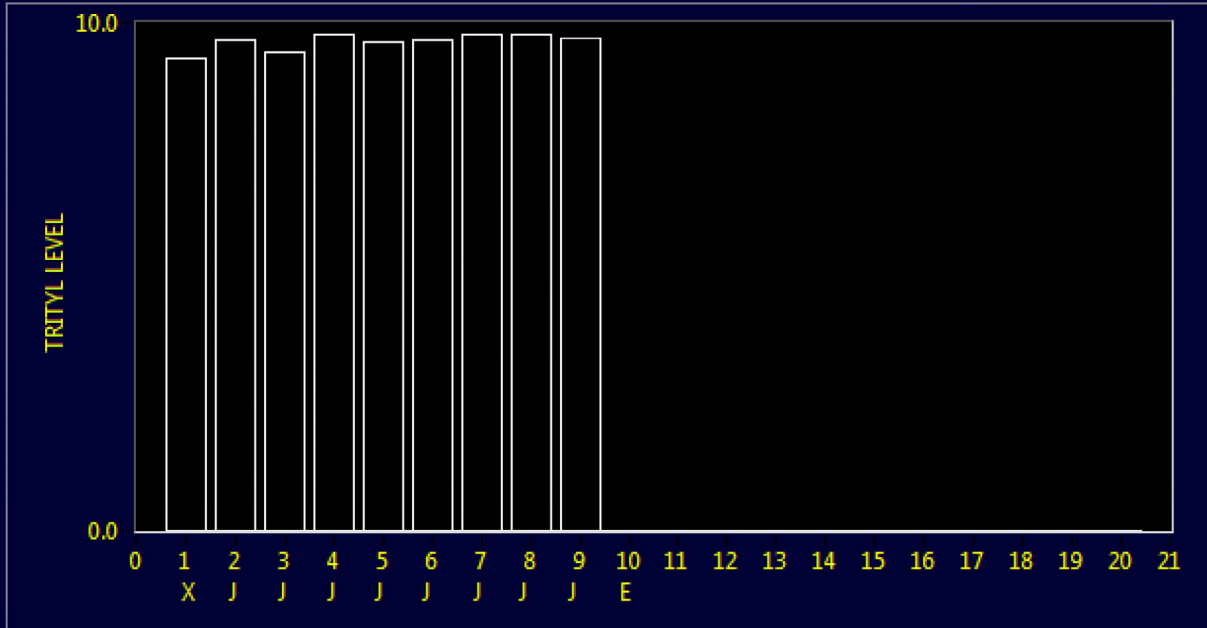




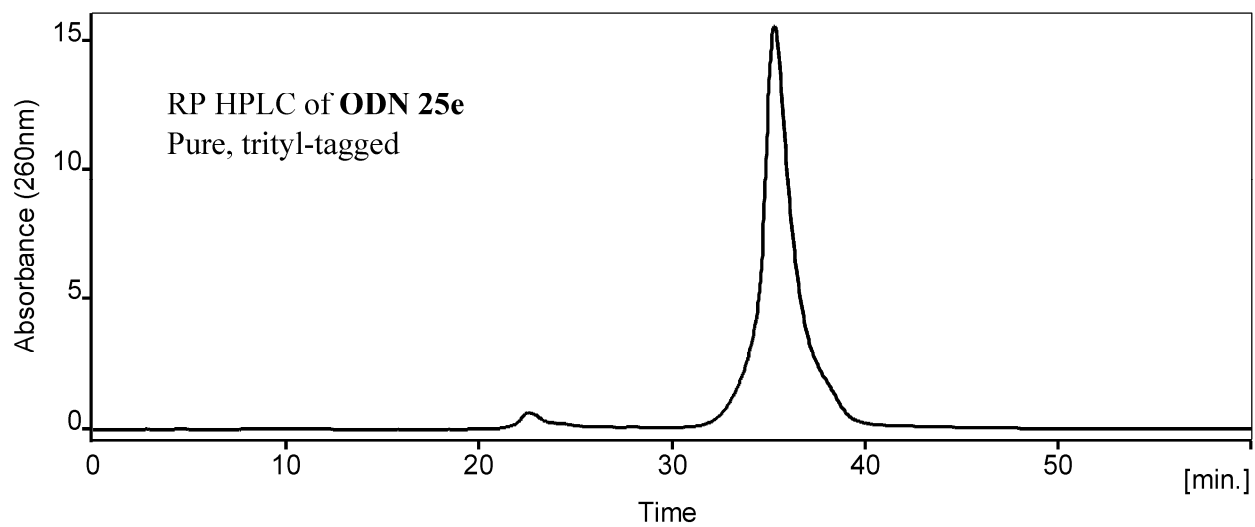
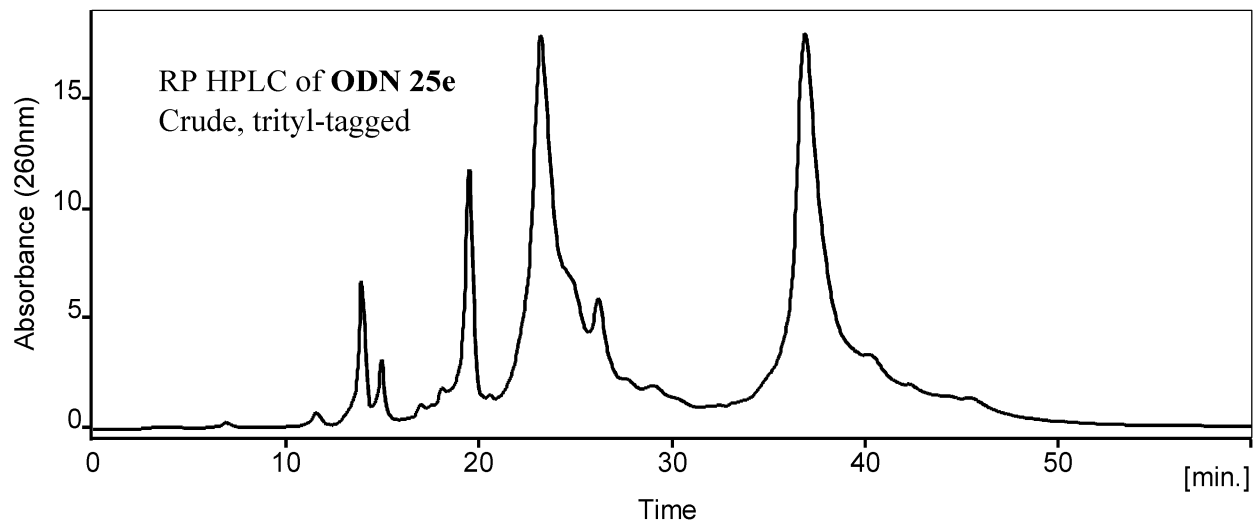


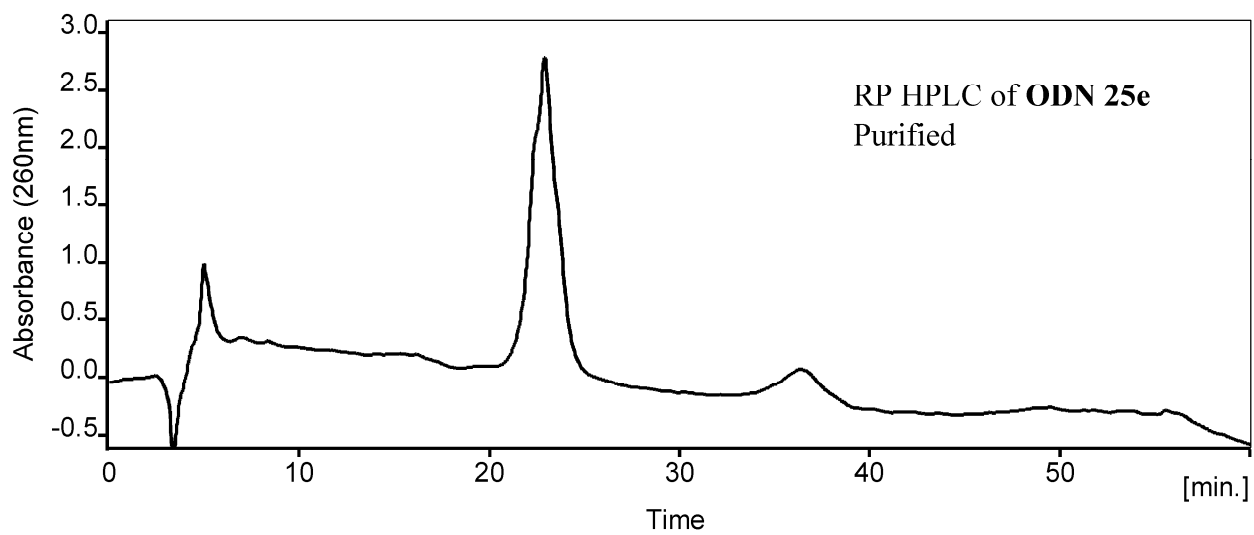
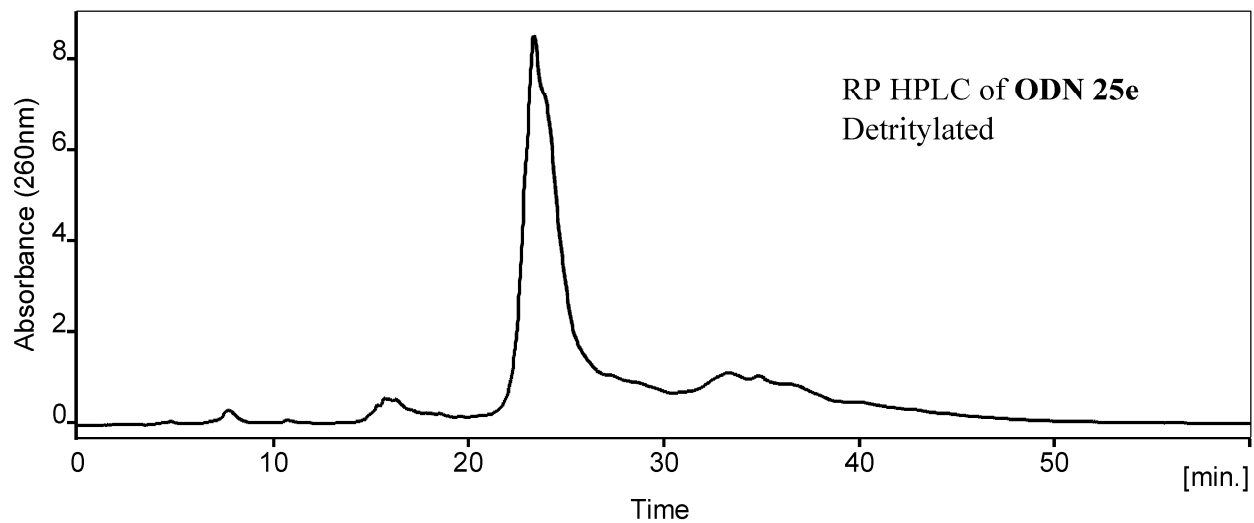
OD₂₆₀ of the ODN **25d** (49-mer) obtained from the 0.52 μ mol synthesis is 1.10.

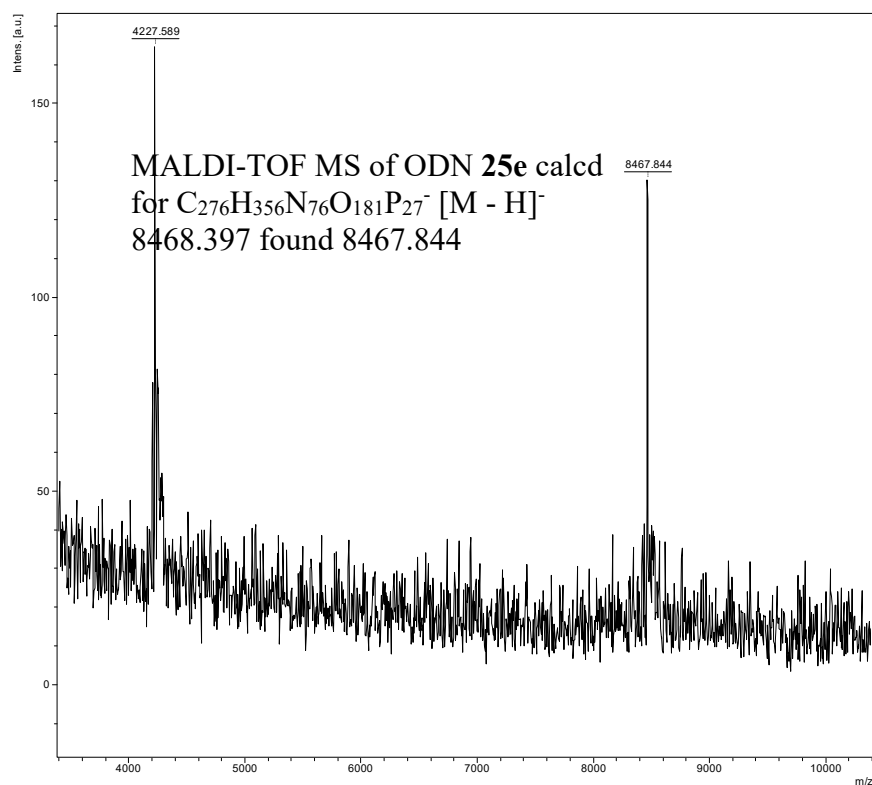
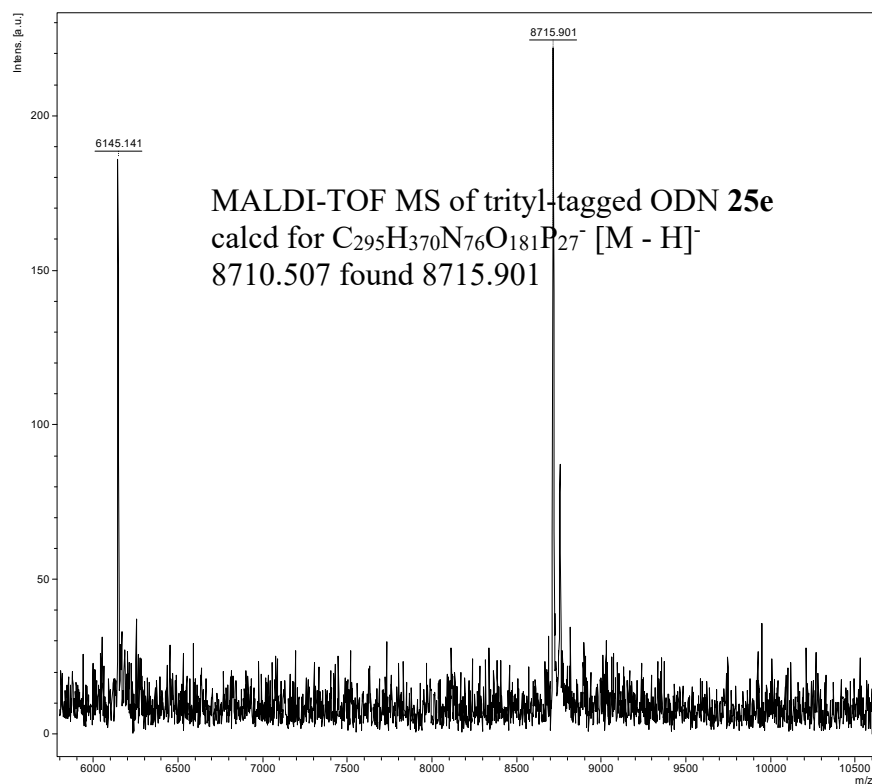




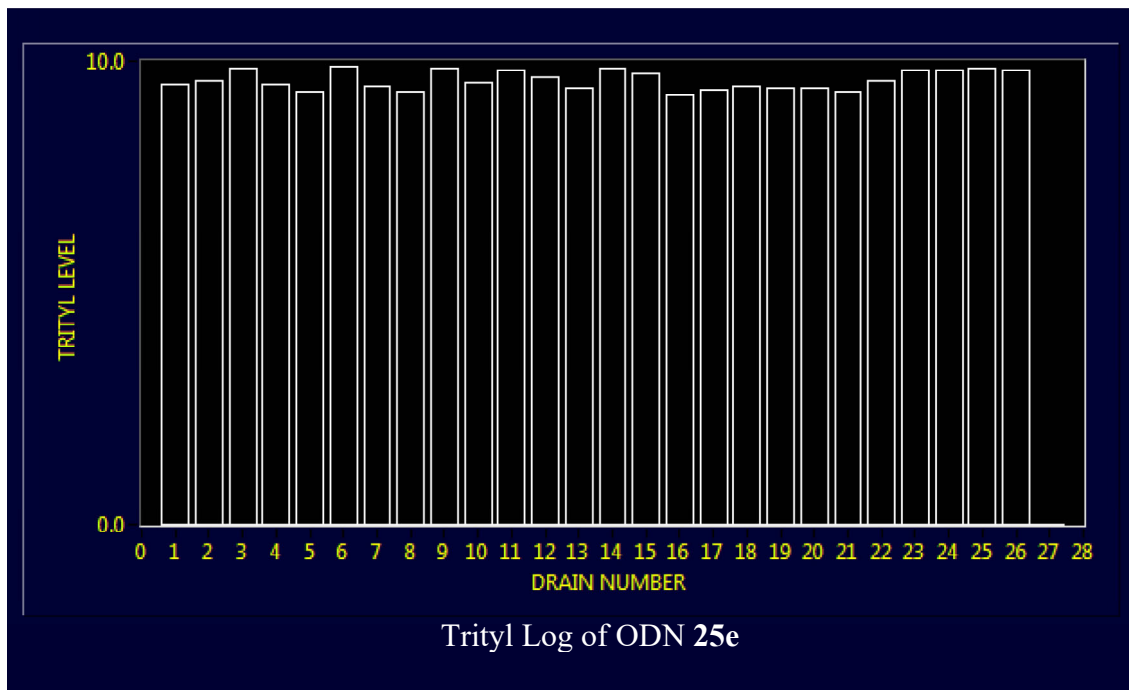
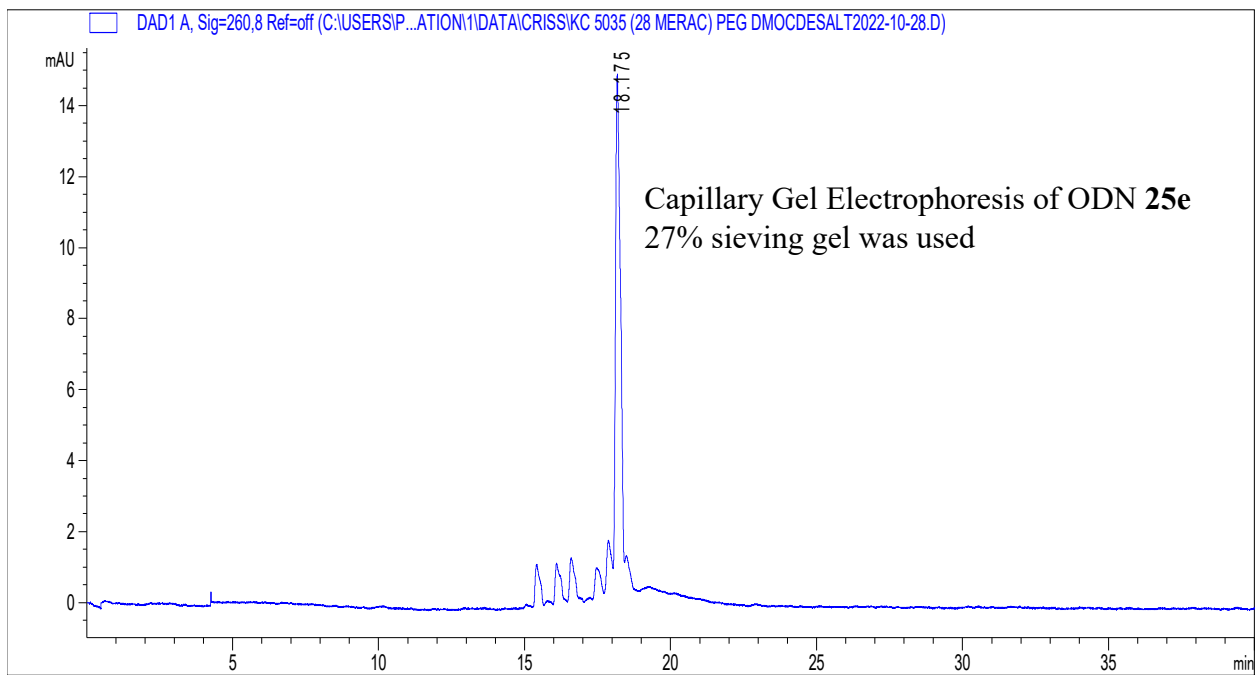
Trityl Log of ODN 25d (ODN 25c extended to ODN 25d)

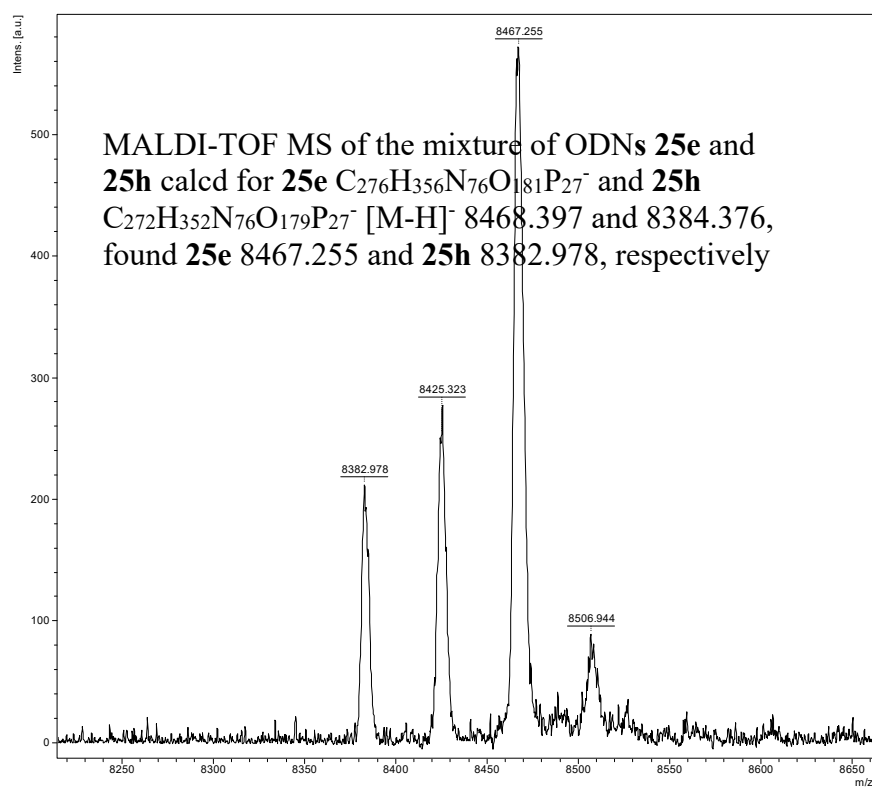
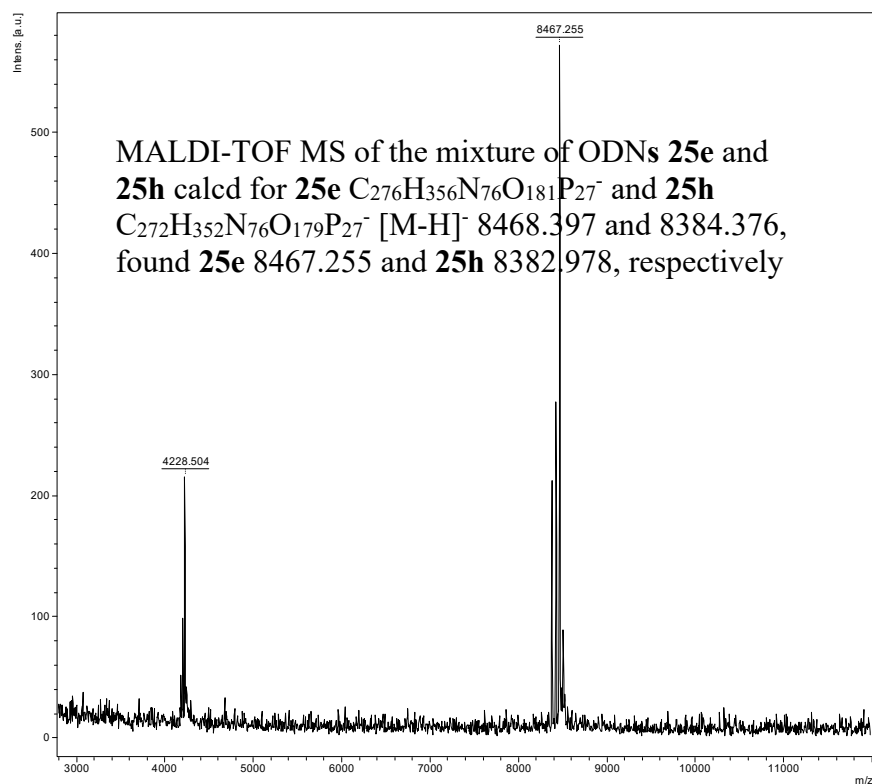


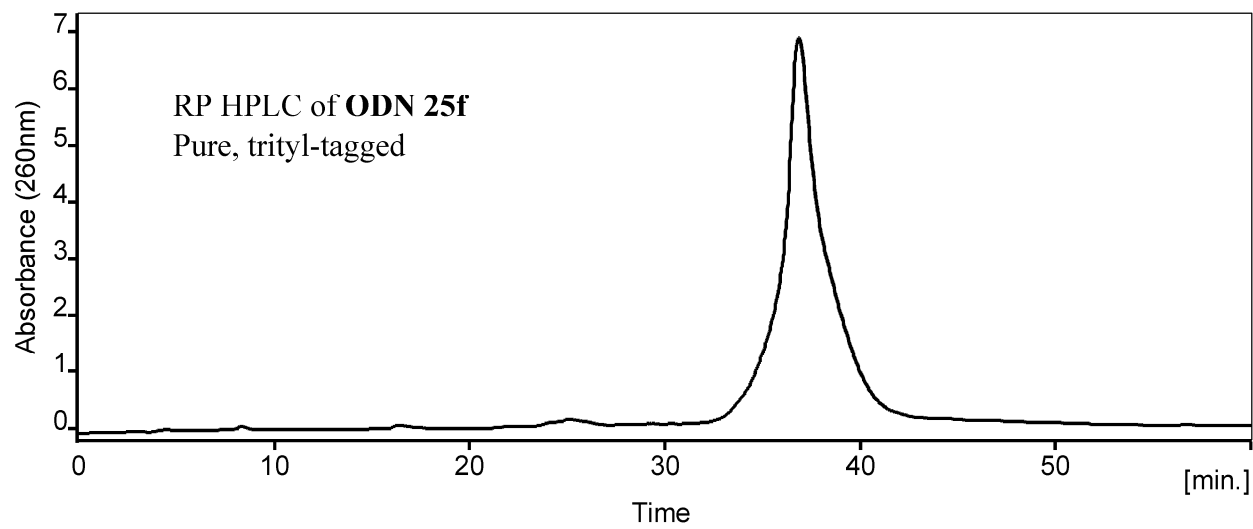
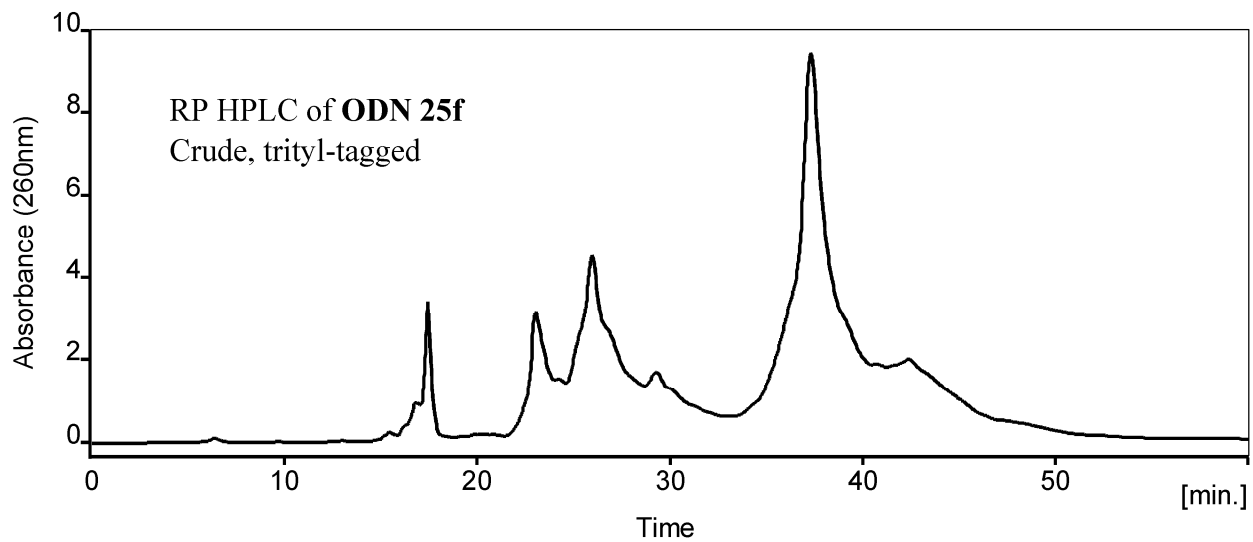


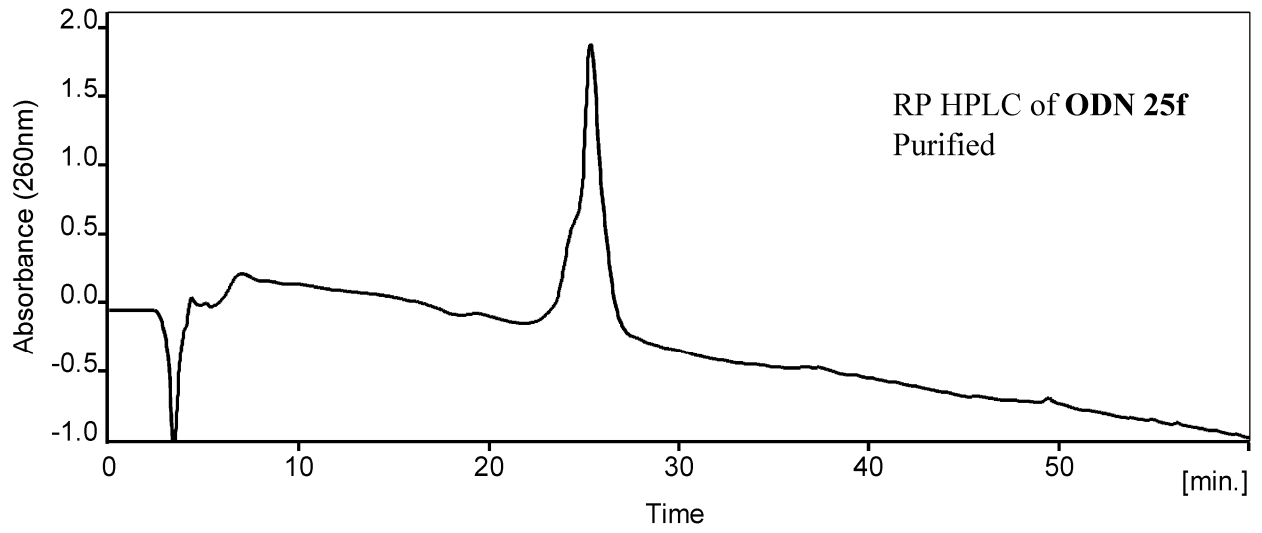
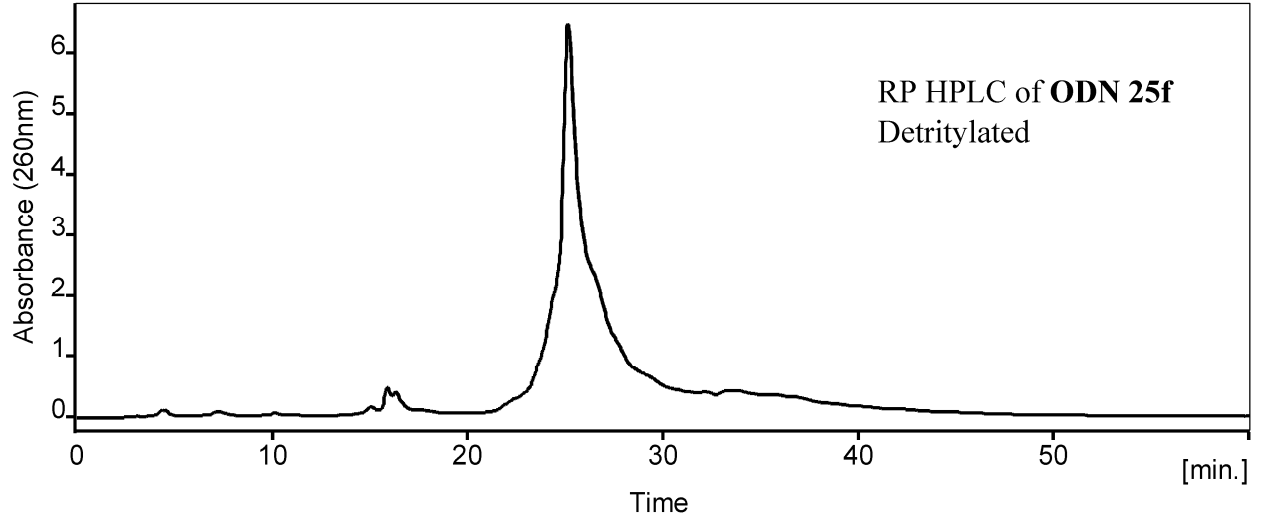


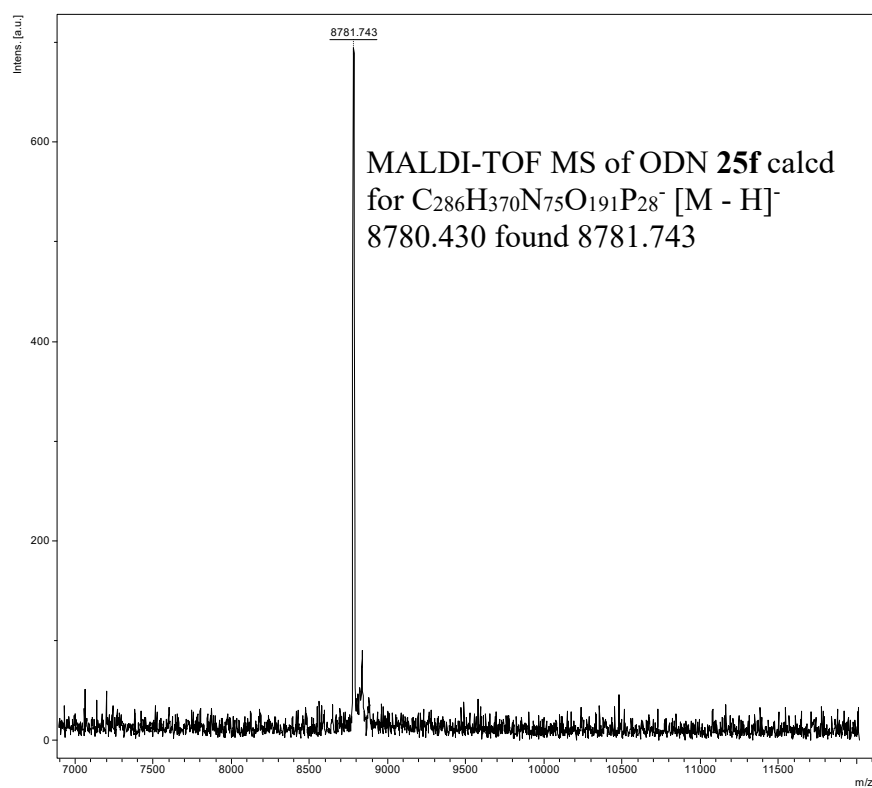
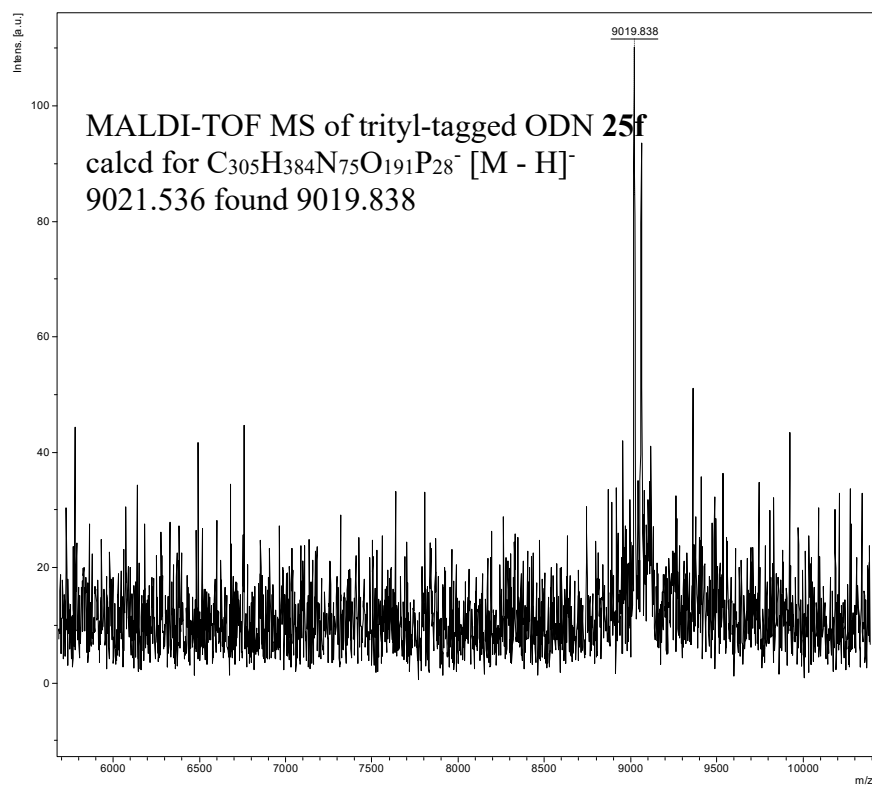
OD_{260} of the ODN **25e** (28-mer) obtained from the 0.52 μmol synthesis is 1.23.



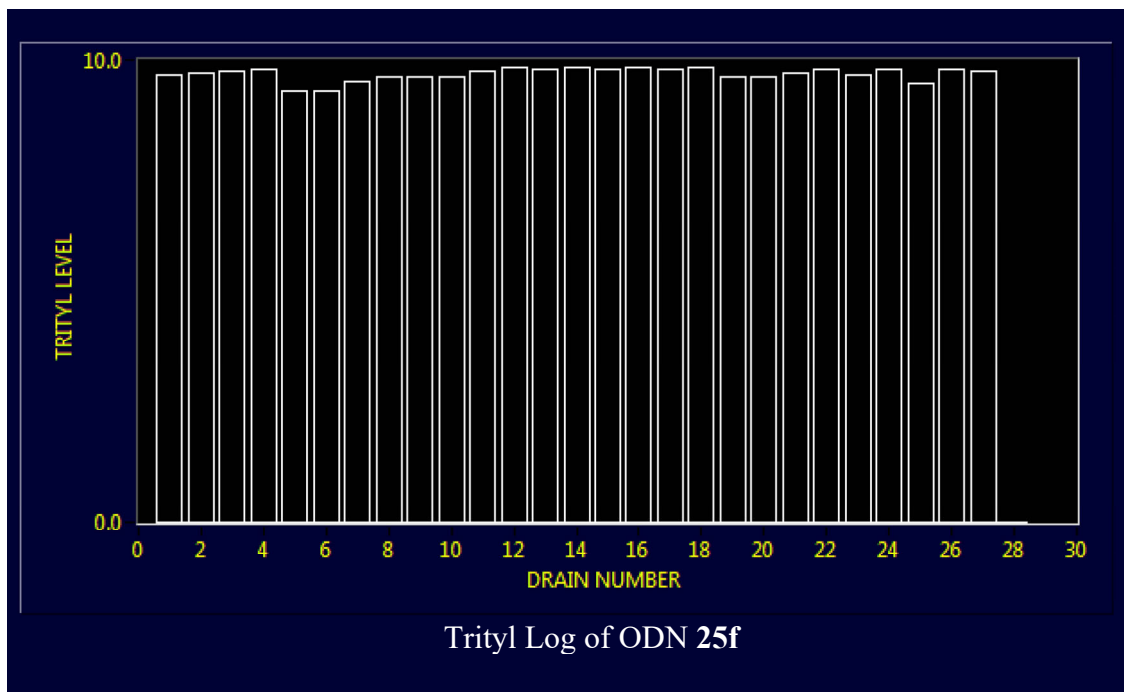
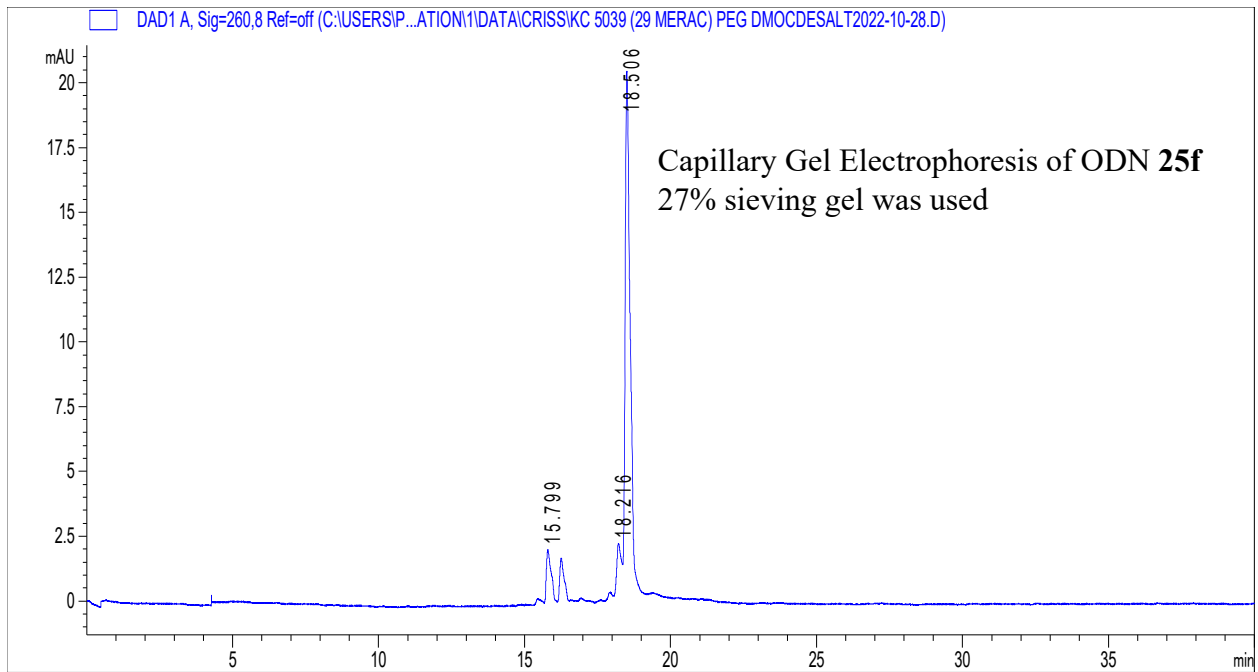


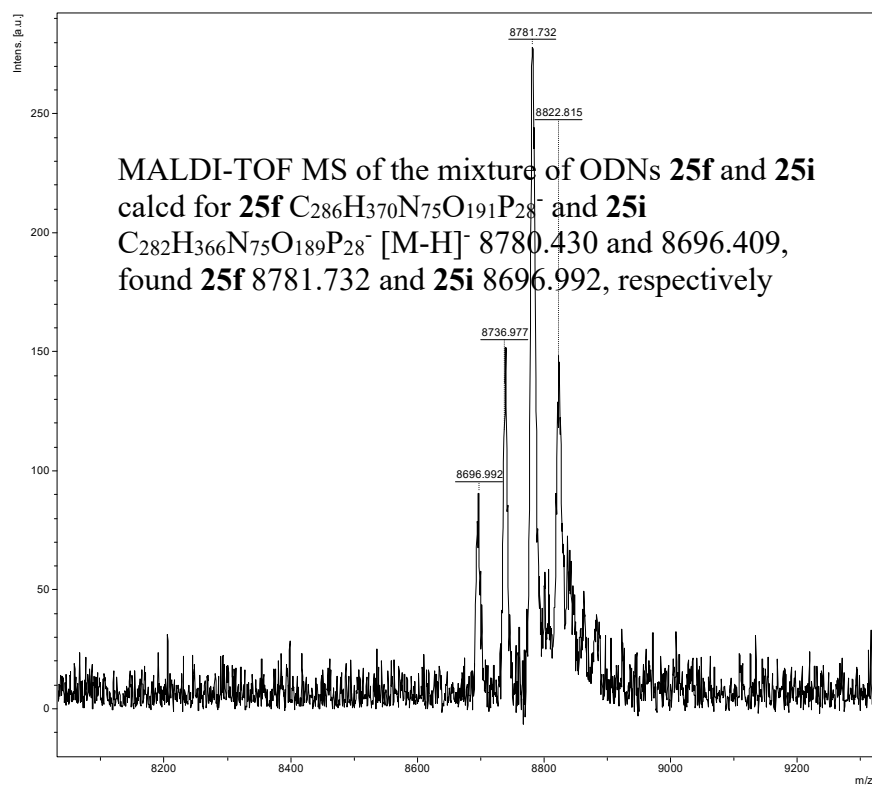
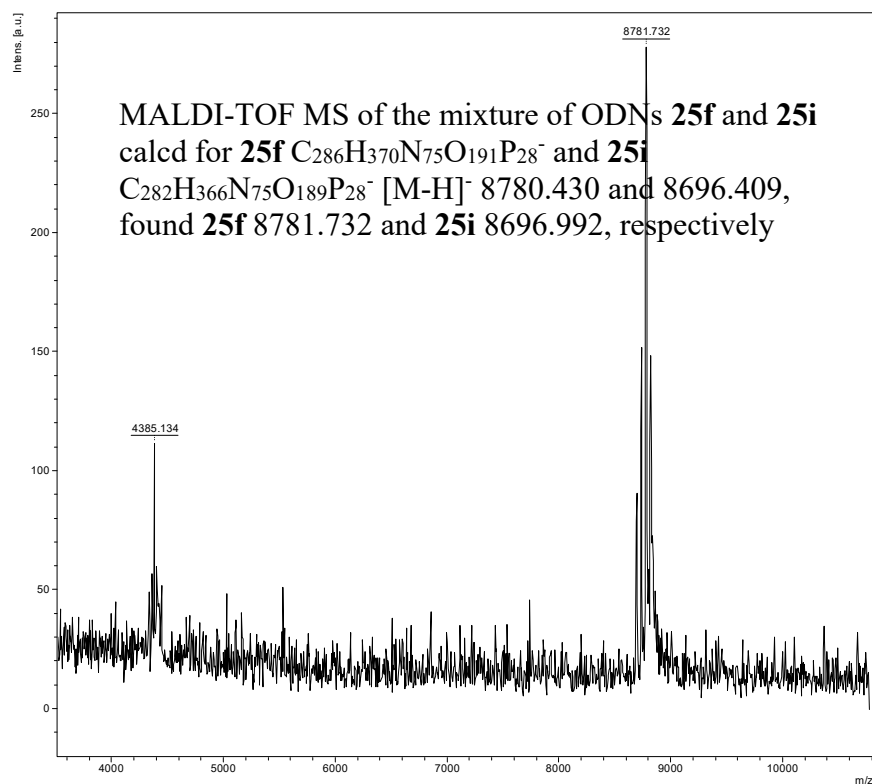


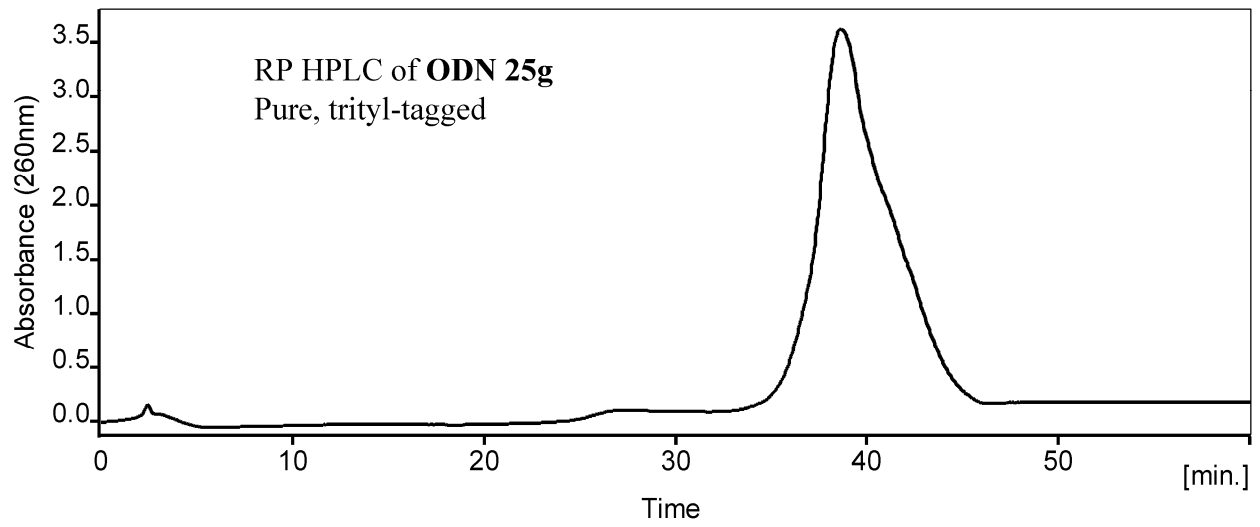
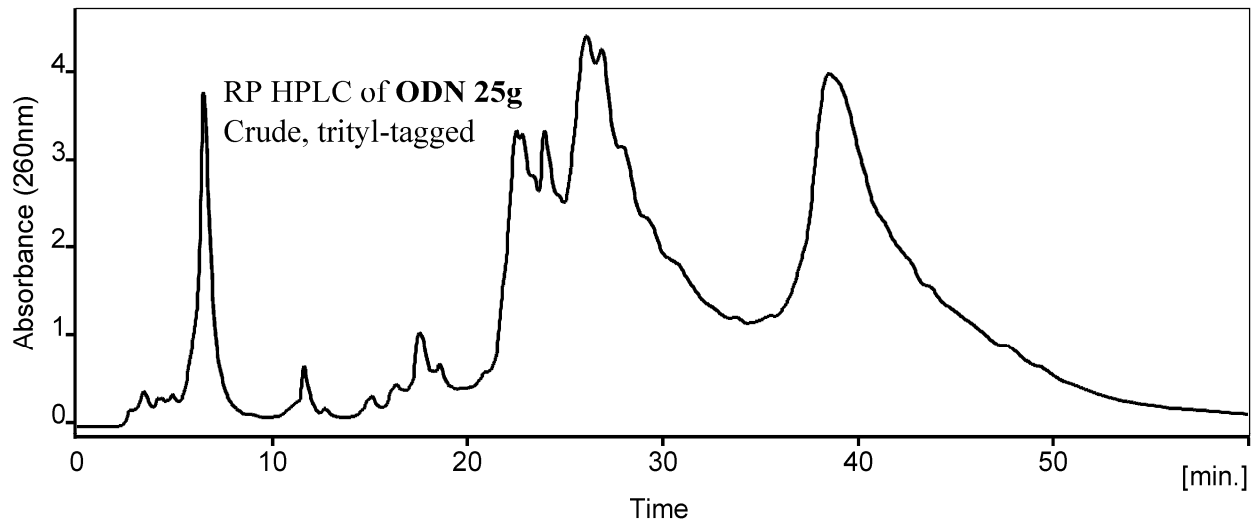


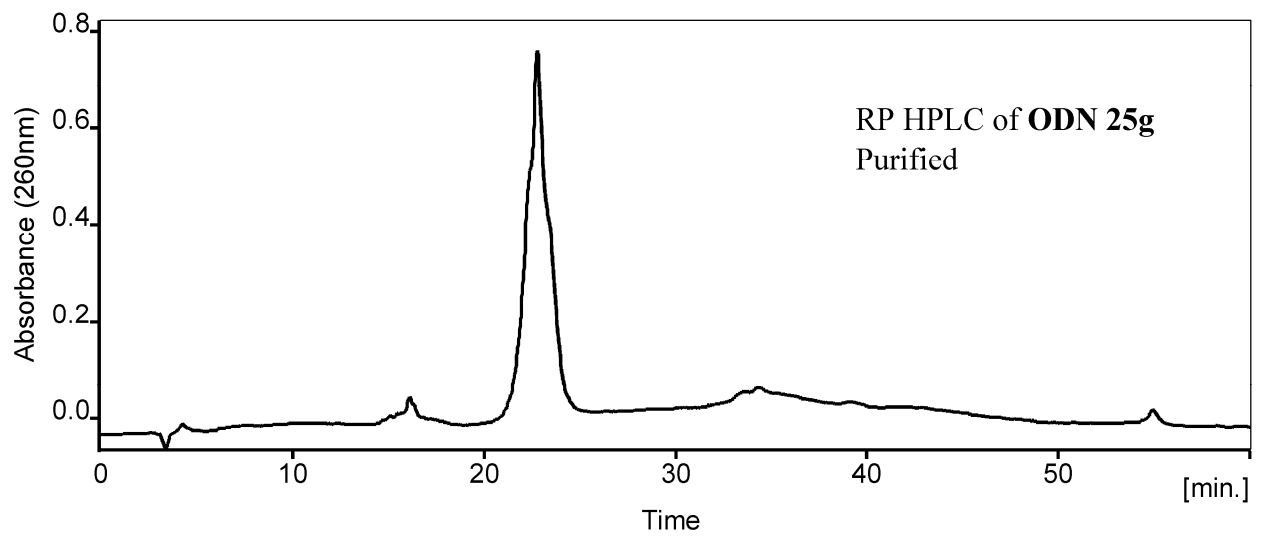
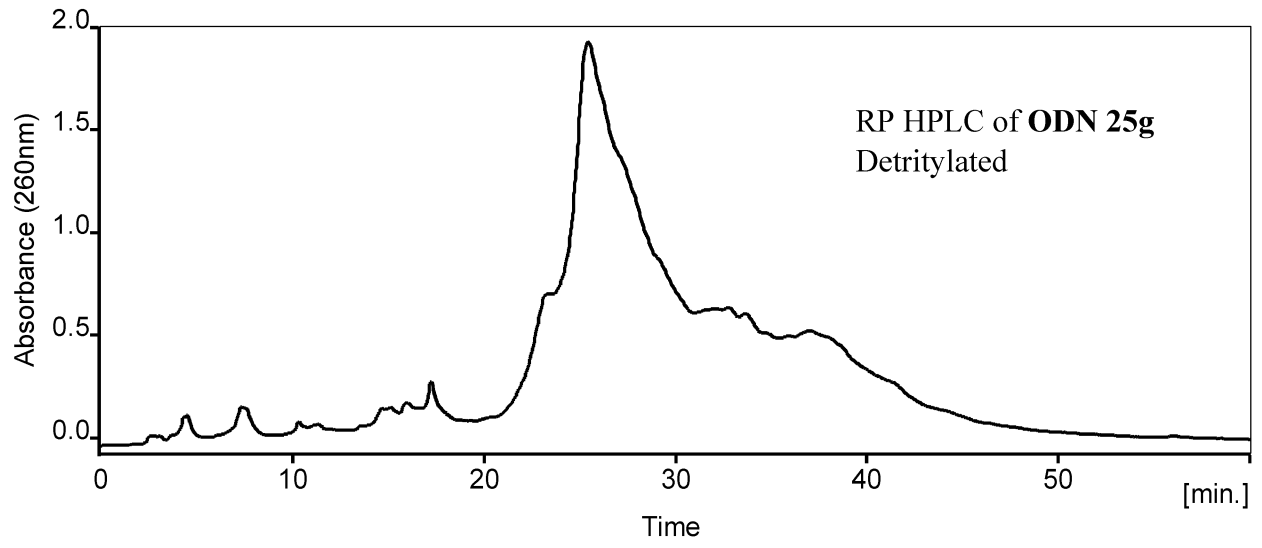


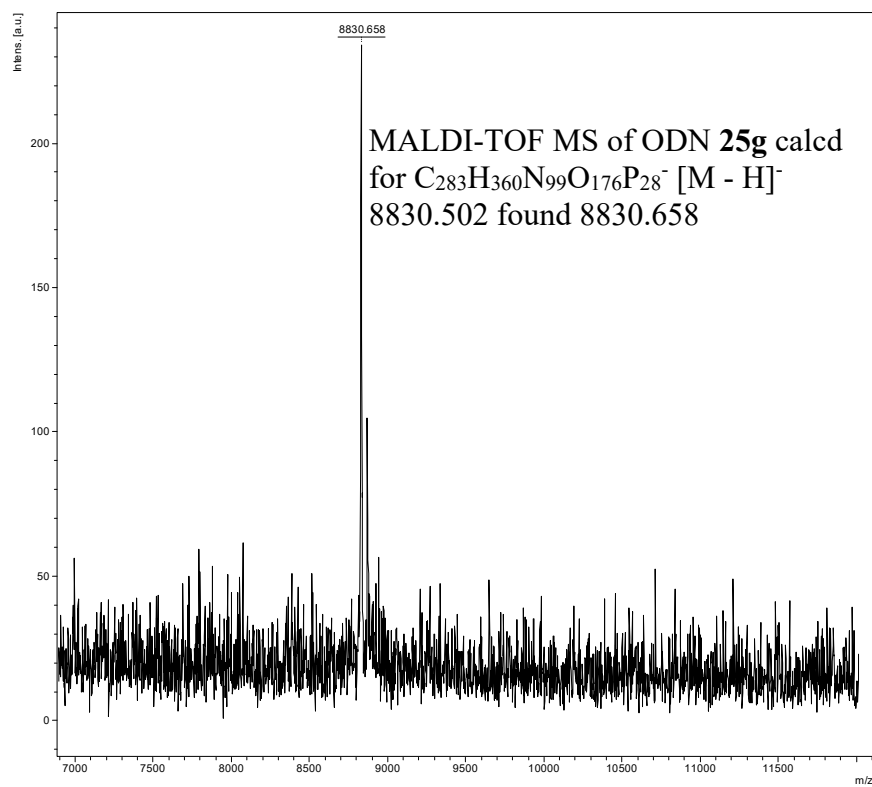
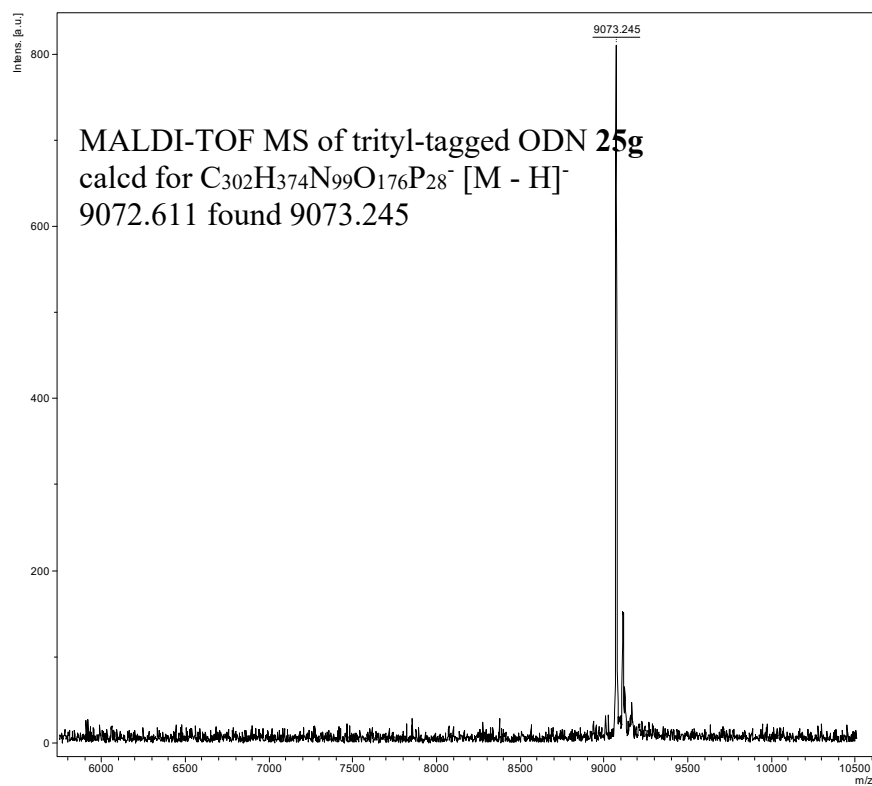
OD_{260} of the ODN **25f** (29-mer) obtained from the 0.52 μmol synthesis is 0.91.











OD₂₆₀ of the ODN **25g** (29-mer) obtained from the 0.52 μmol synthesis is 0.24.

