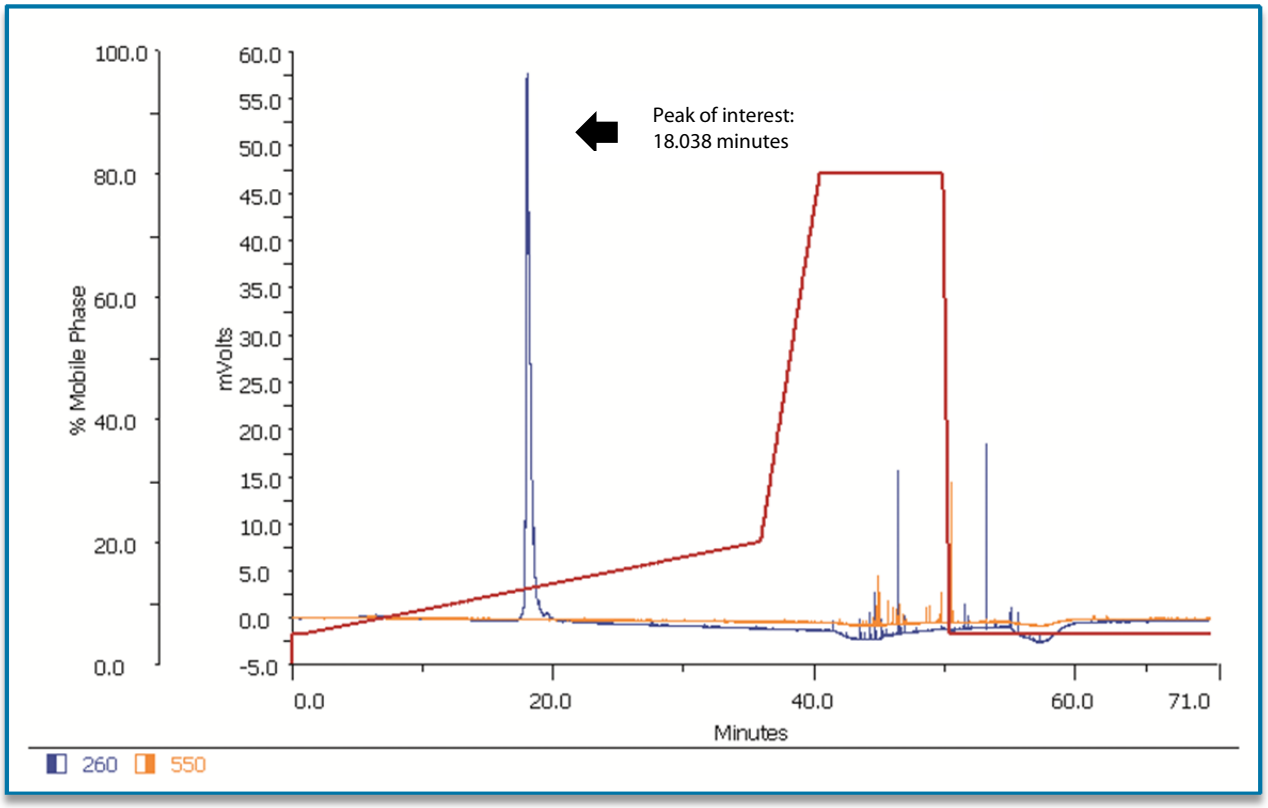
Purification of a 25-mer ssDNA Oligonucleotide

using the PLC 2020 Personal Purification System



Conditions

Sample: 25-mer ssDNA oligonucleotide, DMT-On (single-stranded, Dimethoxytrityl-On), with fluorescence & non-fluorescence tags

Load: 1 optical density

HPLC column: 250 x 4.6 mm C4

Mobile phase:

- A: 0.1 M total essential amino acid pH 7
  Triethyl ammonium acetate
- B: Acetonitrile

Wavelength: 260 & 550 nm

A C4 reverse phase column was used to separate a 25-mer ssDNA oligonucleotide using the Gilson PLC 2020 Personal Purification System prior to DMT-On purification. The oligonucleotide eluted at 18.038 minutes. Final purification was performed using volume collection (0.5 mL fractions). Purification was triggered on absorption at 260 nm.

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