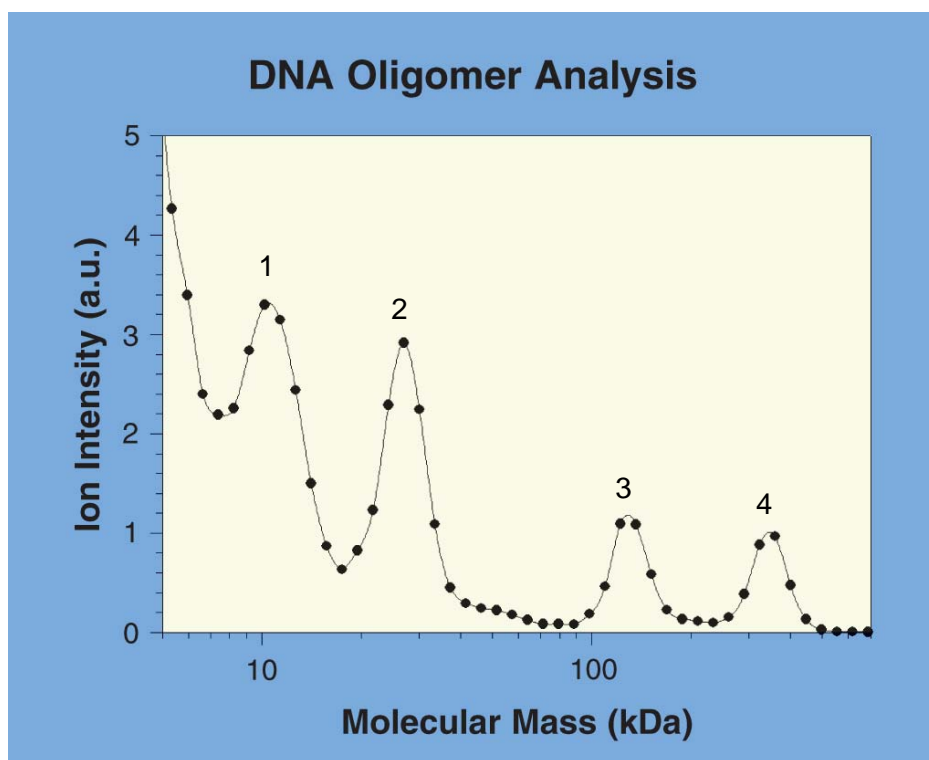


## DNA Oligomer Mixture—*macroIMS*<sup>™</sup> mass spectrum

Analysis of oligonucleotides and polynucleotides are possible with the *macroIMS* system. Double-stranded and single-stranded DNA was analyzed below, and the peak areas could be correlated with nucleic acid quantity (see Mouradian S. et al. in Publications and Patents).



**Sample:** Synthesized DNA Oligomers at <5  $\mu\text{g/mL}$ .

1. 50-mer ss DNA
2. 111-mer ss DNA
3. 200-mer ds DNA
4. 500-mer ds DNA

**Buffer:** 20 mM  $\text{NH}_4\text{OAc}$ , pH 7.8

**Data:** Average of 3 runs, 3 minutes each

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