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SUPPORTING INFORMATION

Title: Application of a Metal-Mediated Base Pair to the Detection of Medicinally Relevant Single Nucleotide Polymorphisms

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Table of contents

Figure S1. MALDI-ToF mass spectrum of ODN1.....	S2
Figure S2. MALDI-ToF mass spectrum of ODN2.....	S3
Figure S3. MALDI-ToF mass spectrum of ODN3.....	S4
Figure S4. MALDI-ToF mass spectrum of ODN4.....	S5
Figure S5. MALDI-ToF mass spectrum of ODN5.....	S6
Figure S6. MALDI-ToF mass spectrum of ODN6.....	S7
Figure S7. MALDI-ToF mass spectrum of ODN7.....	S8
Figure S8. MALDI-ToF mass spectrum of ODN8.....	S9

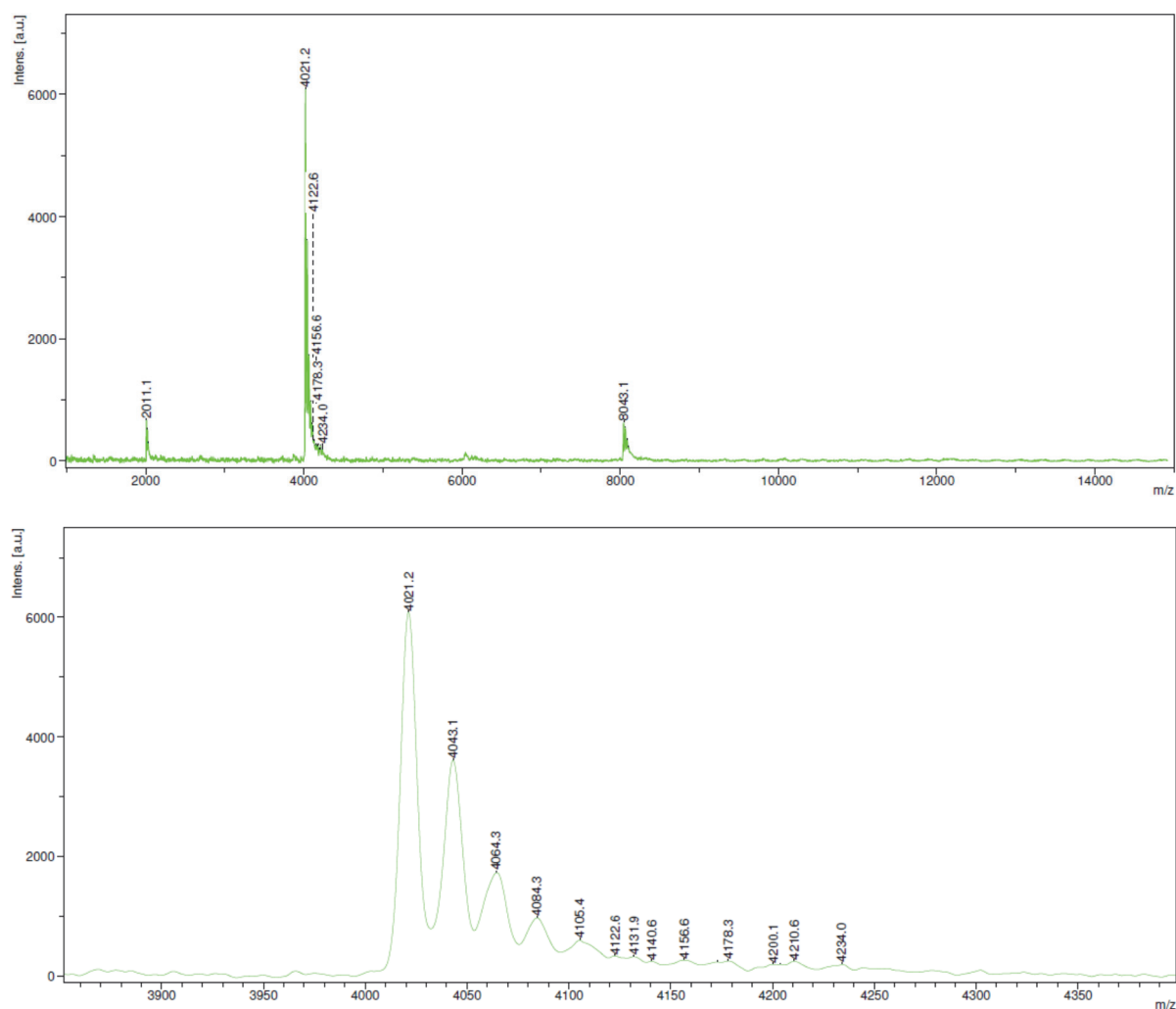


Figure S1. MALDI-ToF mass spectrum of ODN1. Calcd for (C₁₃₂H₁₆₀N₅₆O₇₀P₁₂) [M+H]⁺: 4020.8 Da; found: 4021.2 Da.

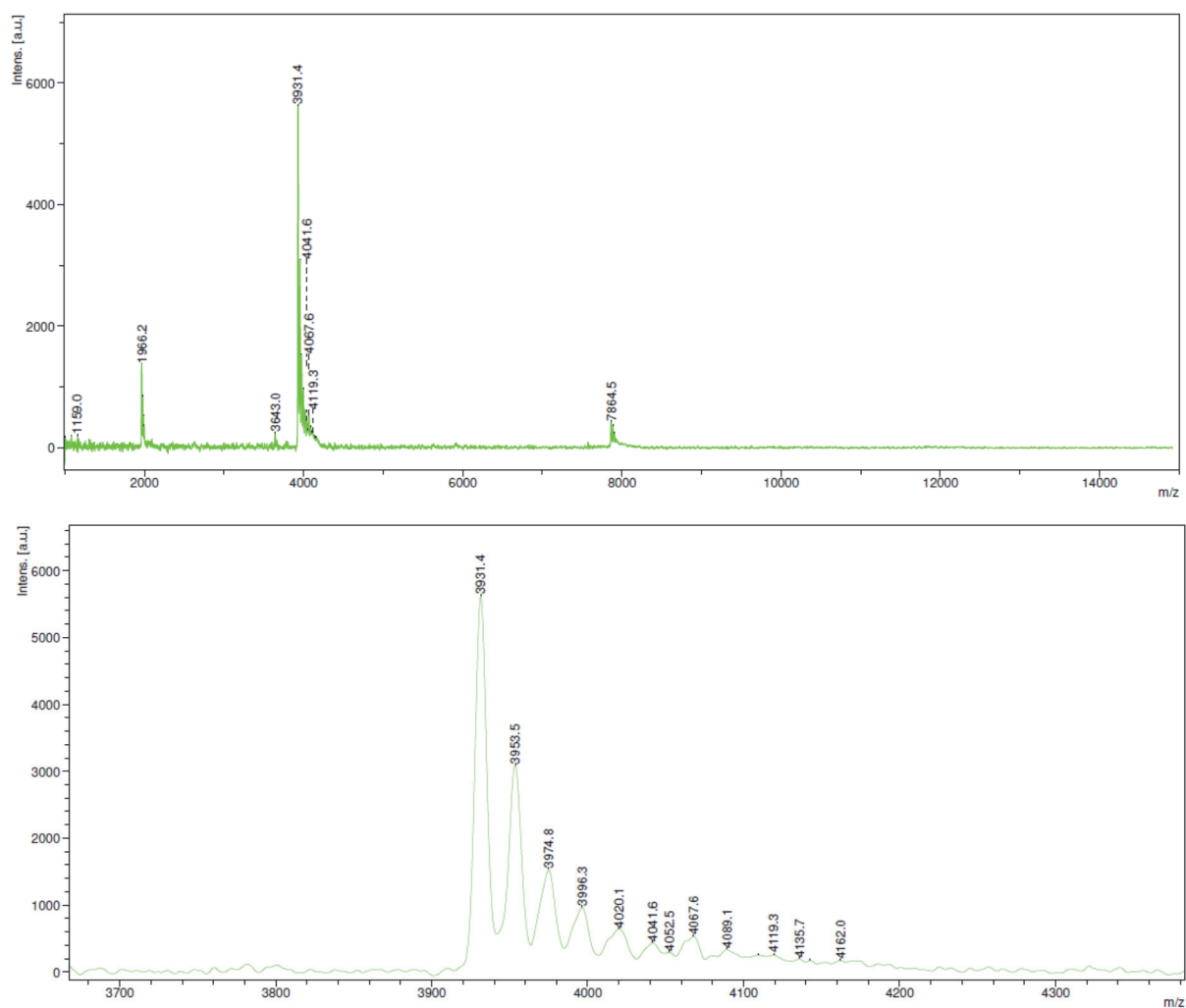


Figure S2. MALDI-ToF mass spectrum of ODN2. Calcd for $(C_{126}H_{164}N_{42}O_{81}P_{12})$ $[M+H]^+$: 3932.7 Da; found: 3931.4 Da.

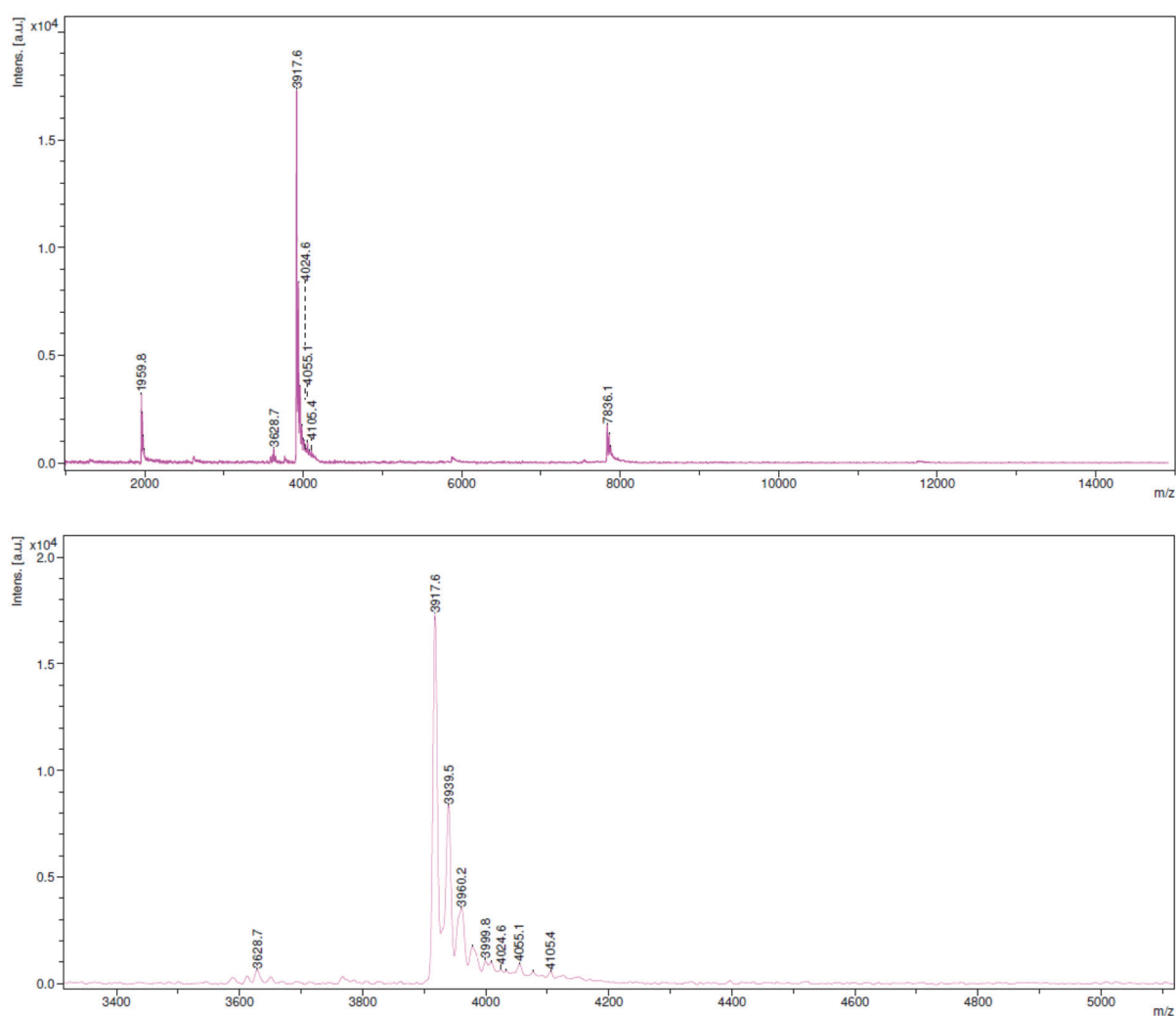


Figure S3. MALDI-ToF mass spectrum of ODN3. Calcd for (C₁₂₅H₁₆₃N₄₃O₈₀P₁₂) [M+H]⁺: 3917.7 Da; found: 3917.6 Da.

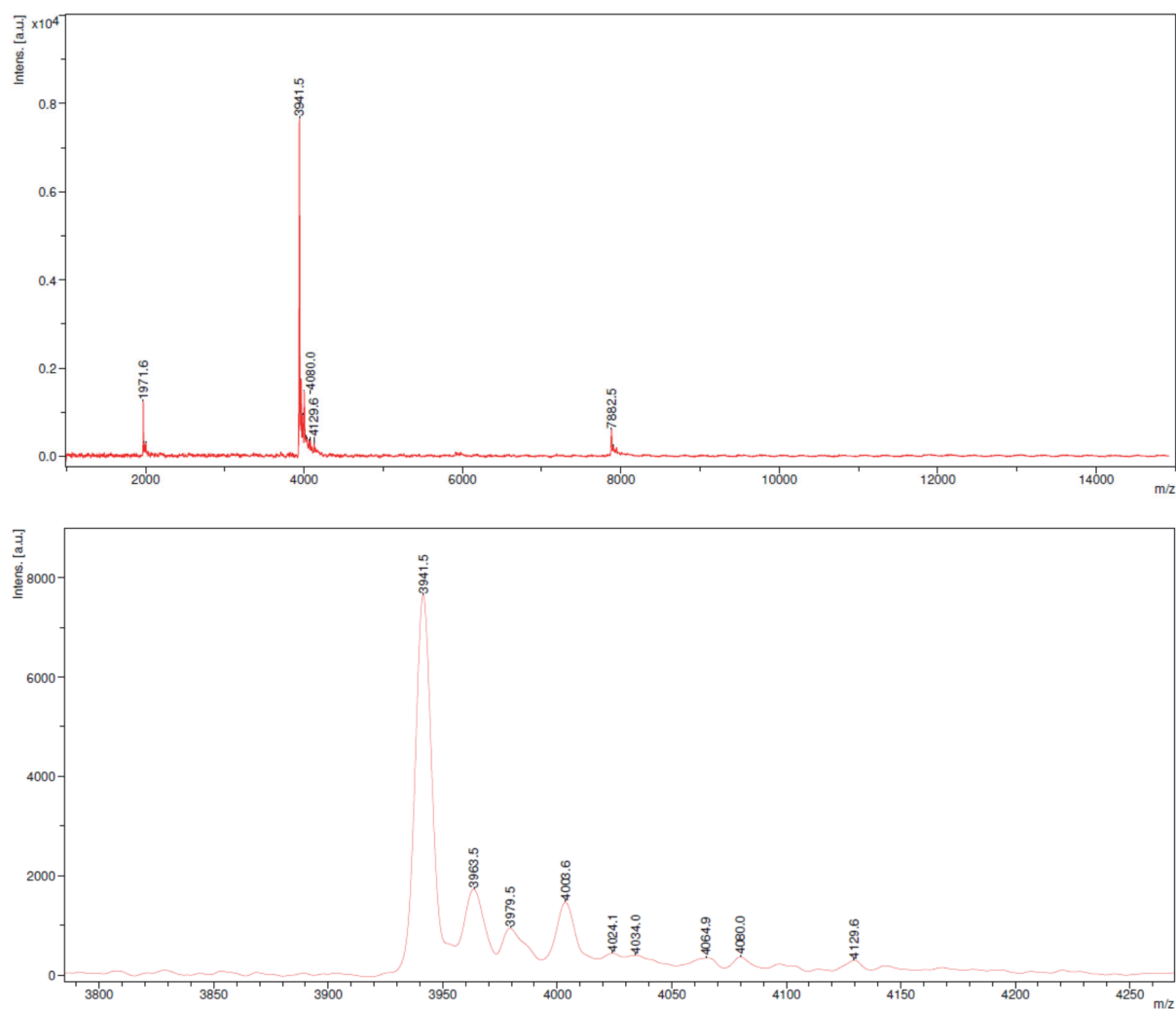


Figure S4. MALDI-ToF mass spectrum of ODN4. Calcd for (C₁₃₀H₁₆₀N₅₂O₇₀P₁₂) [M+H]⁺: 3940.7 Da; found: 3941.5 Da.

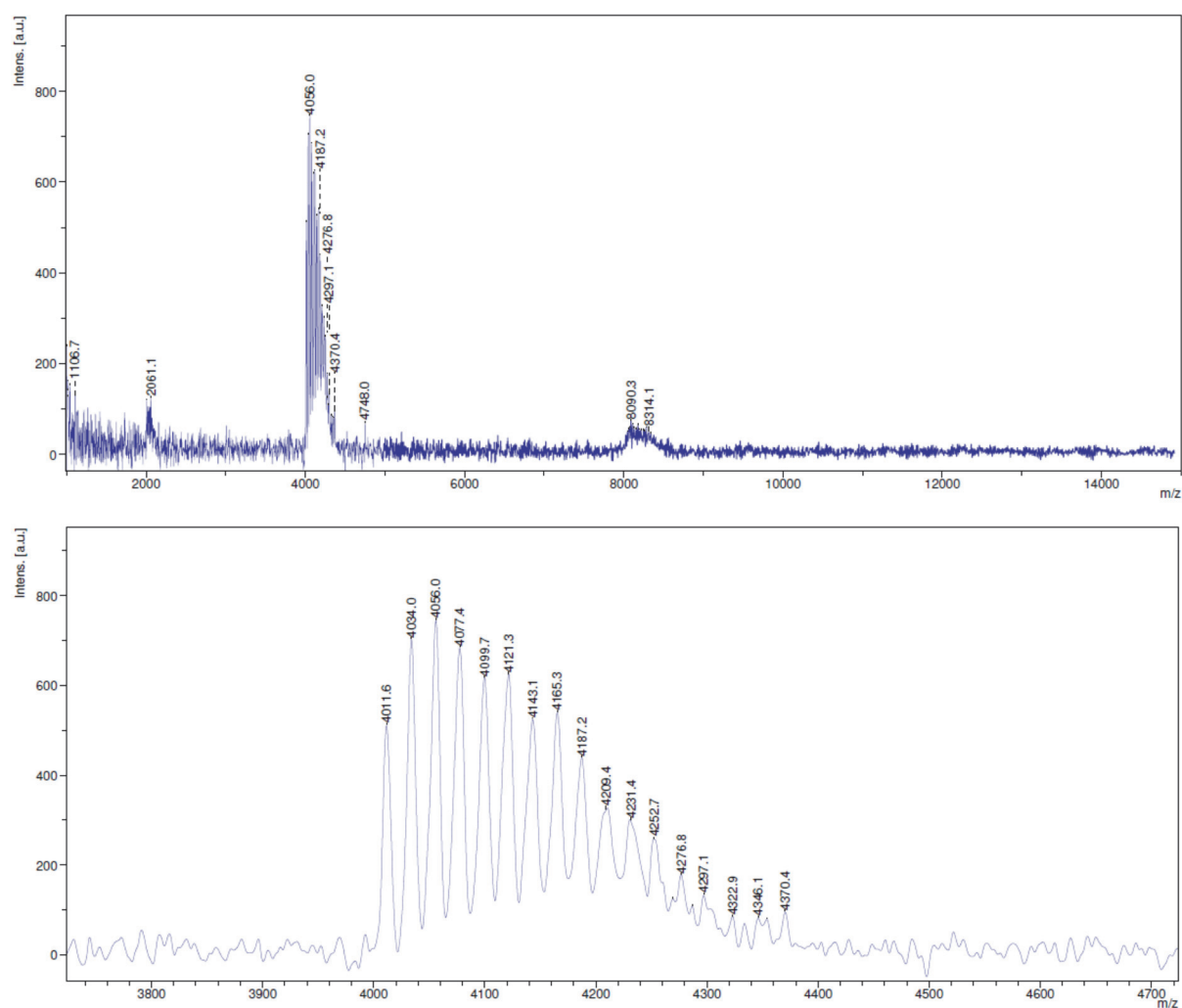


Figure S5. MALDI-ToF mass spectrum of ODN5. Calcd for $(C_{128}H_{164}N_{46}O_{81}P_{12}) [M+H]^+$: 4012.7 Da; found: 4011.6 Da.

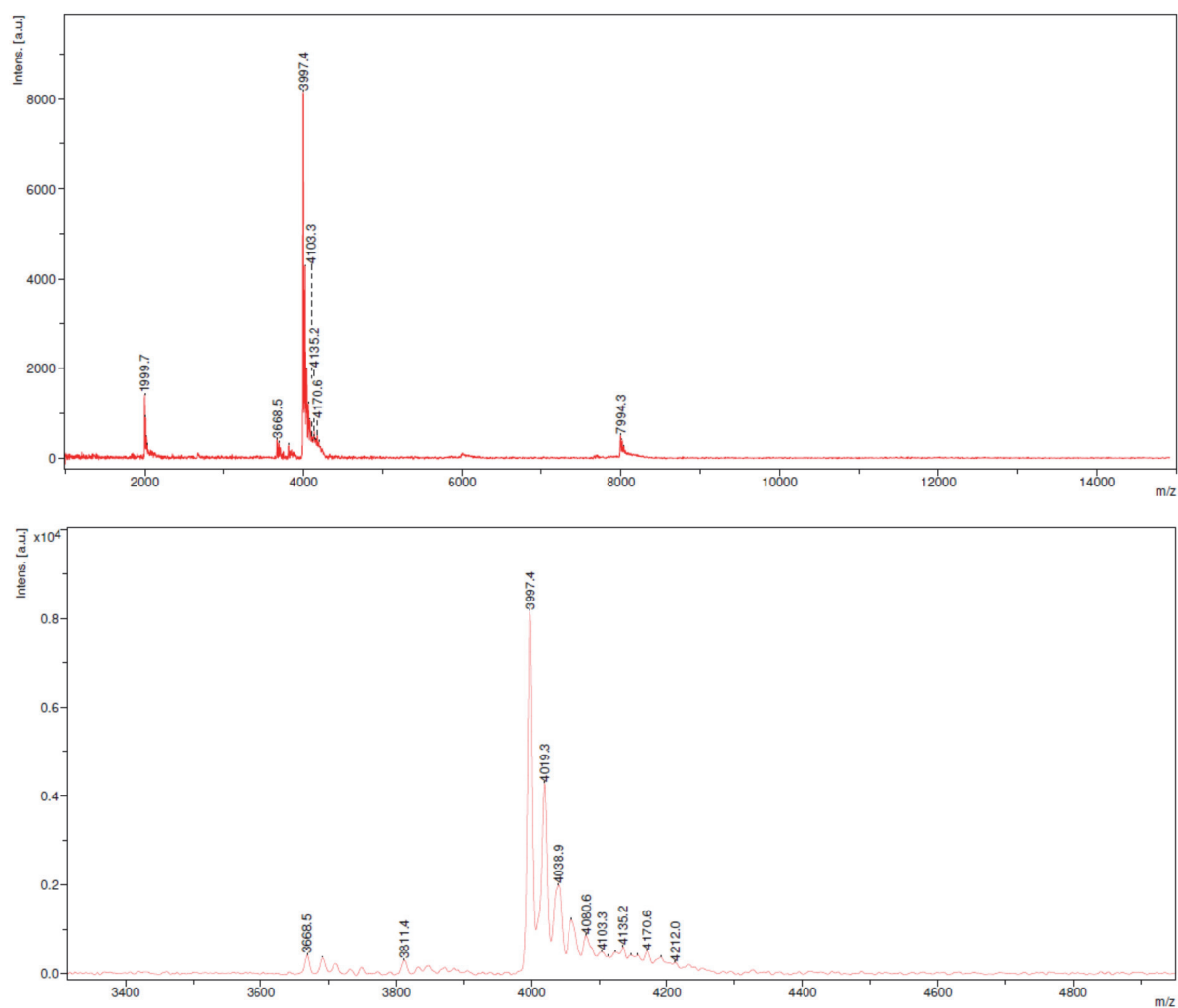


Figure S6. MALDI-ToF mass spectrum of ODN6. Calcd for (C₁₂₇H₁₆₃N₄₇O₈₀P₁₂) [M+H]⁺: 3997.7 Da; found: 3997.4 Da.

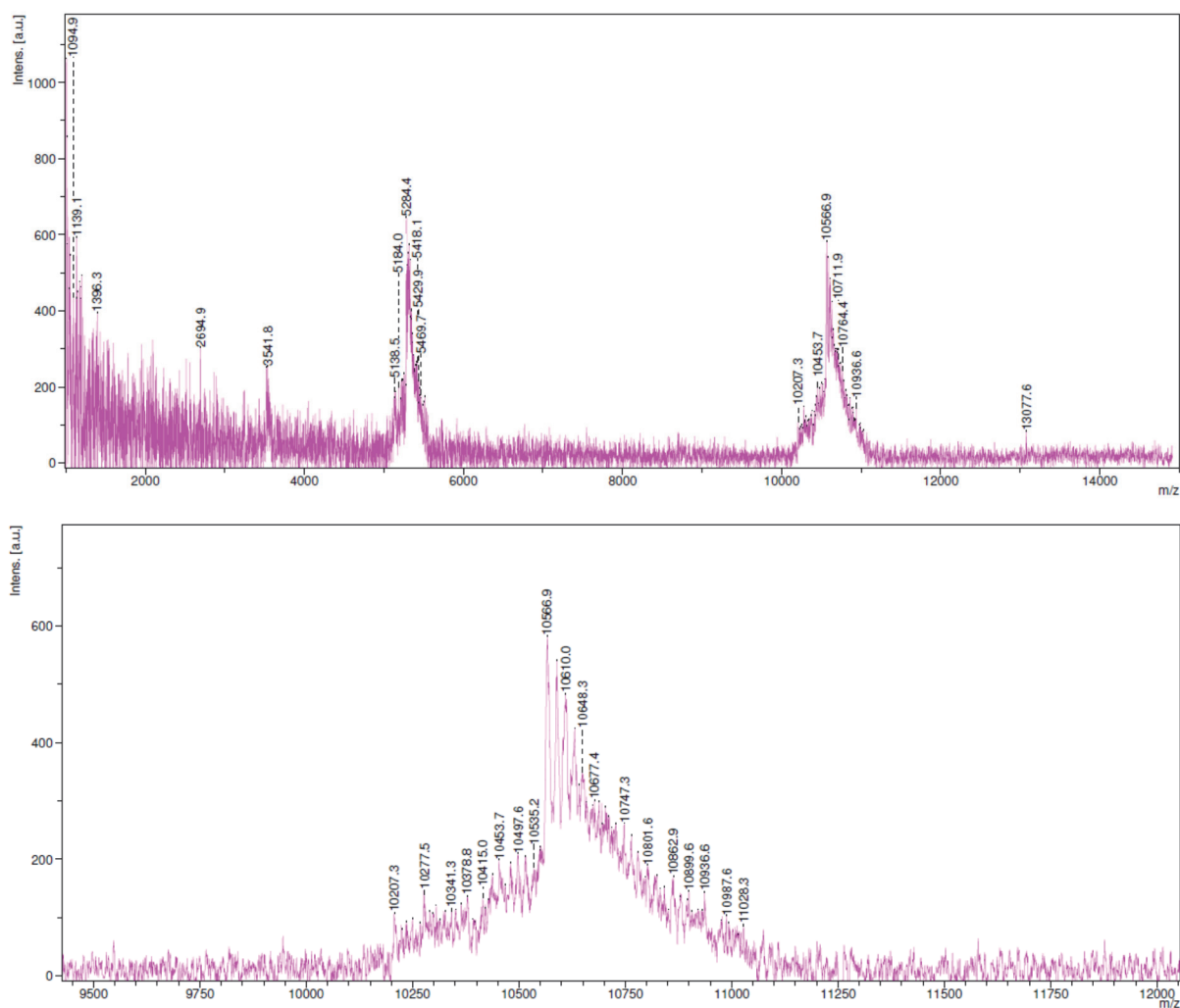


Figure S7. MALDI-ToF mass spectrum of ODN7. Calcd for $(C_{353}H_{429}N_{131}O_{192}P_{32}) [M+H]^+$: 10564.9 Da; found: 10566.9 Da.

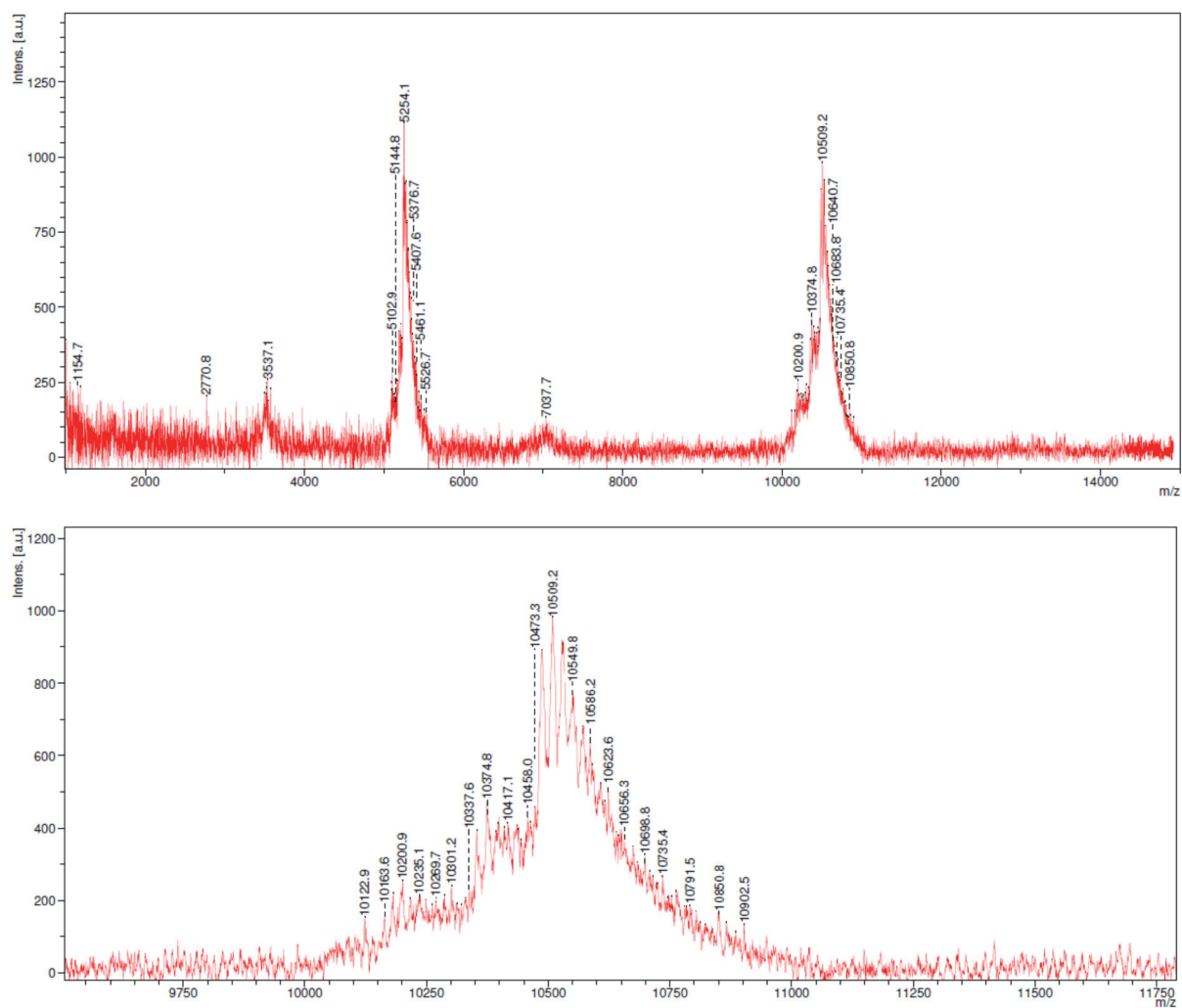


Figure S8. MALDI-ToF mass spectrum of ODN8. Calcd for $(C_{351}H_{428}N_{127}O_{192}P_{32}Na)$ $[M+Na]^+$: 10506.9 Da; found: 10509.2 Da.