

Super-Cationic Peptide Dendrimers. Synthesis and Evaluation as Antimicrobial Agents.

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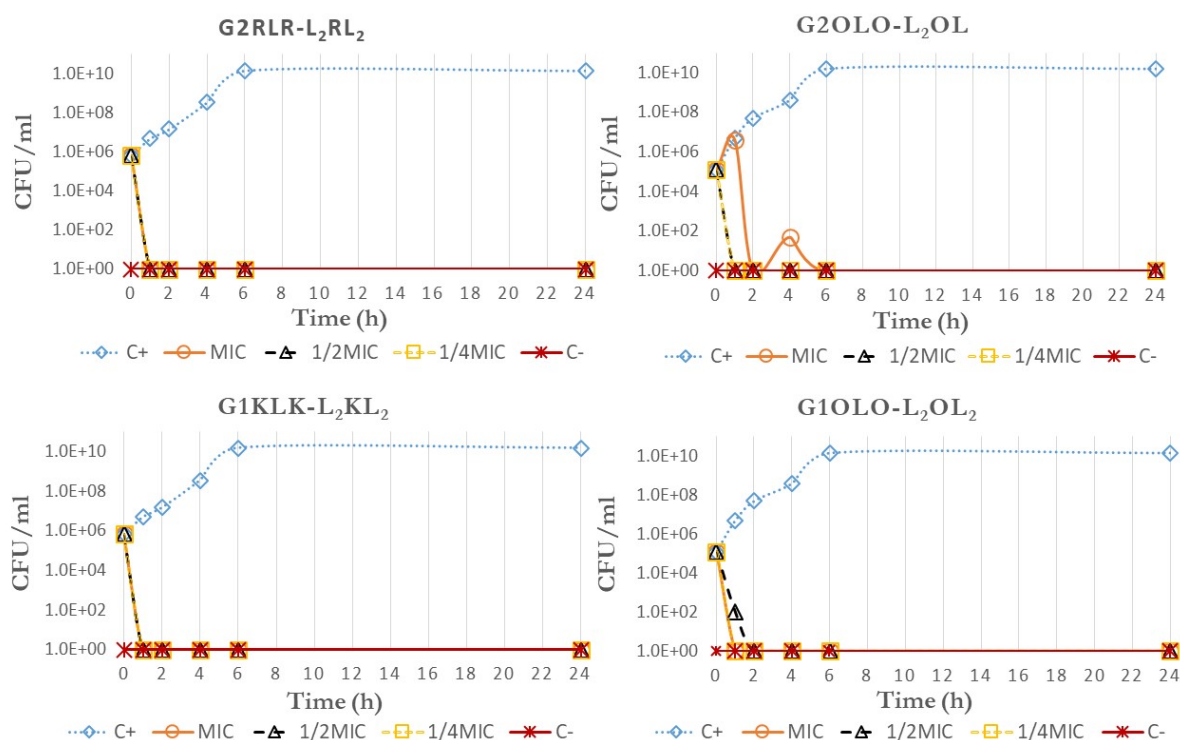
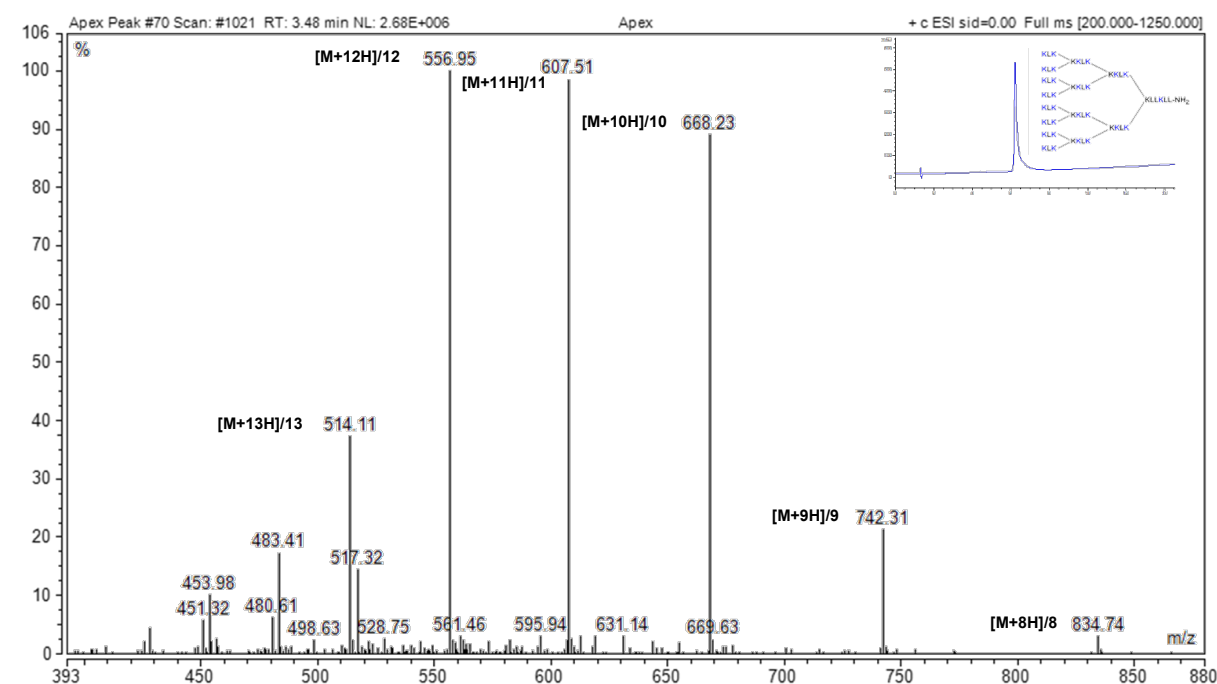
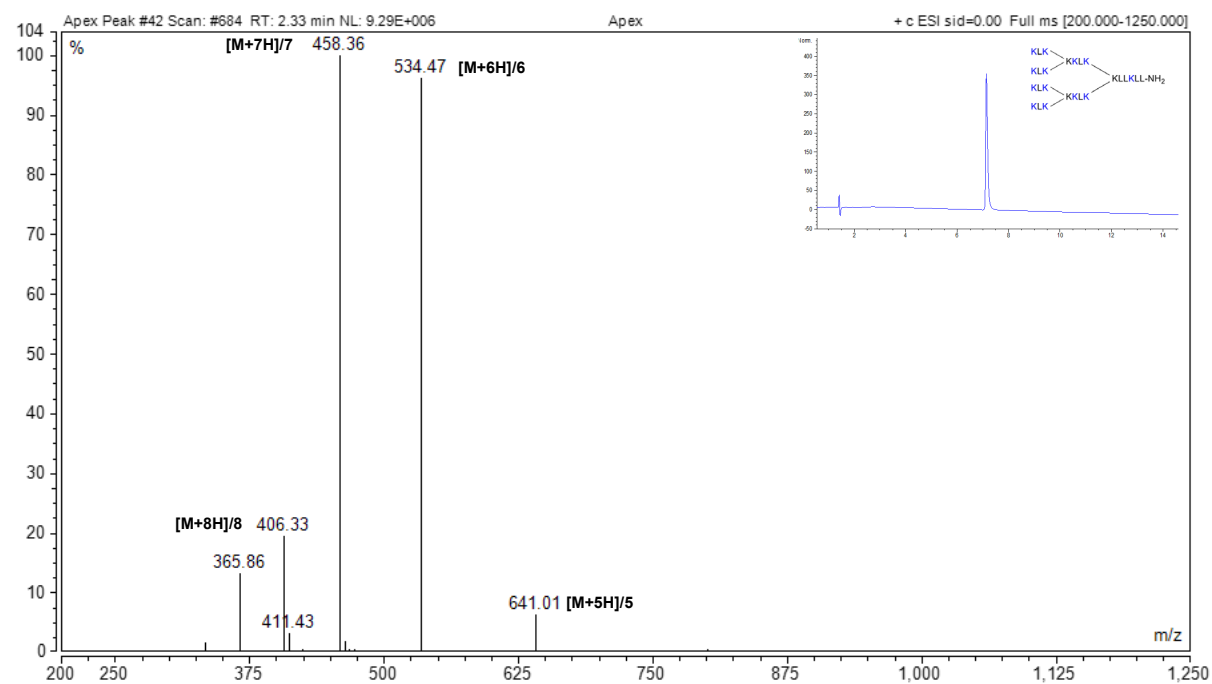


Figure S1. 24 h Time-kill curves against *E. coli* for G2RLR-L₂RL₂, G2OLO-L₂OL₂, G1KLK-L₂KL₂, and G1OLO-L₂OL₂

Analytical LC-MS was performed in a Thermo Scientific™ UltiMate™ 3000 Standard Binary System, ISQ™ EC Single Quadrupole. Buffer A: 0.1% formic acid in H₂O; buffer B: 0.1% formic acid in CH₃CN; Flow: 1.0 mL/min., UV detection=220 nm; Mass were registered in positive mode; Column: Phenomenex Luna C18 3.6 μm, 4.6 × 150 mm column, 30 °C. The method is specified for each chromatogram.

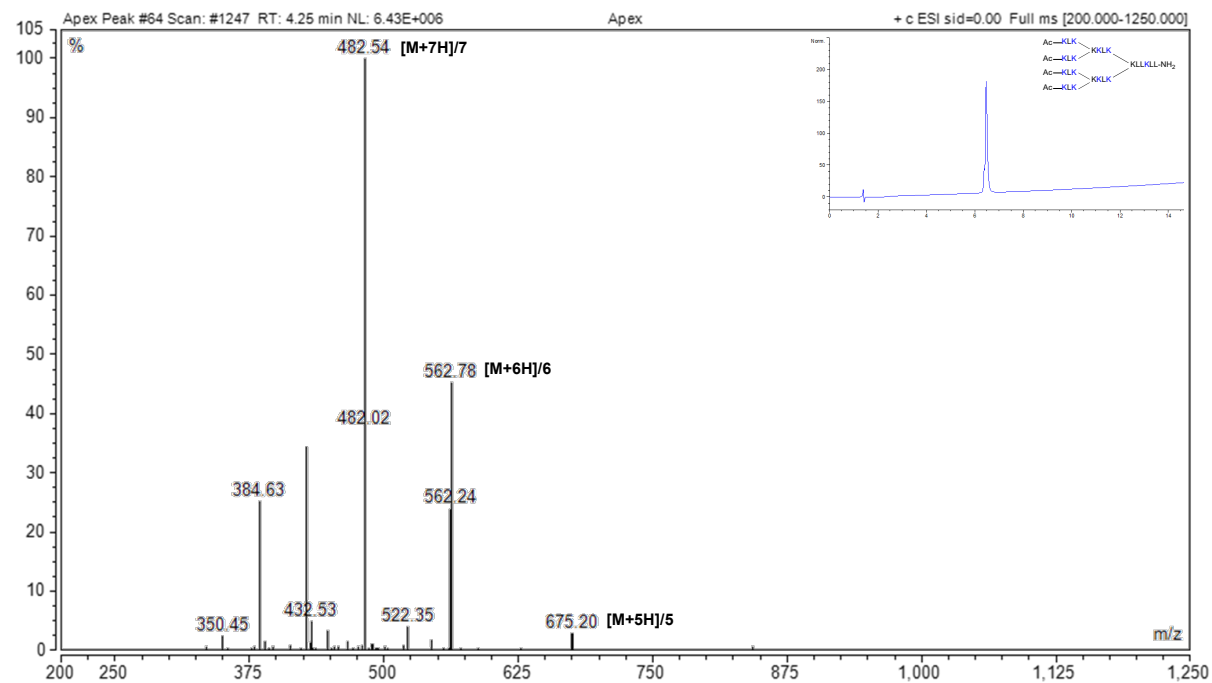


G2KLK-L₂KL₂: MW=3199.43



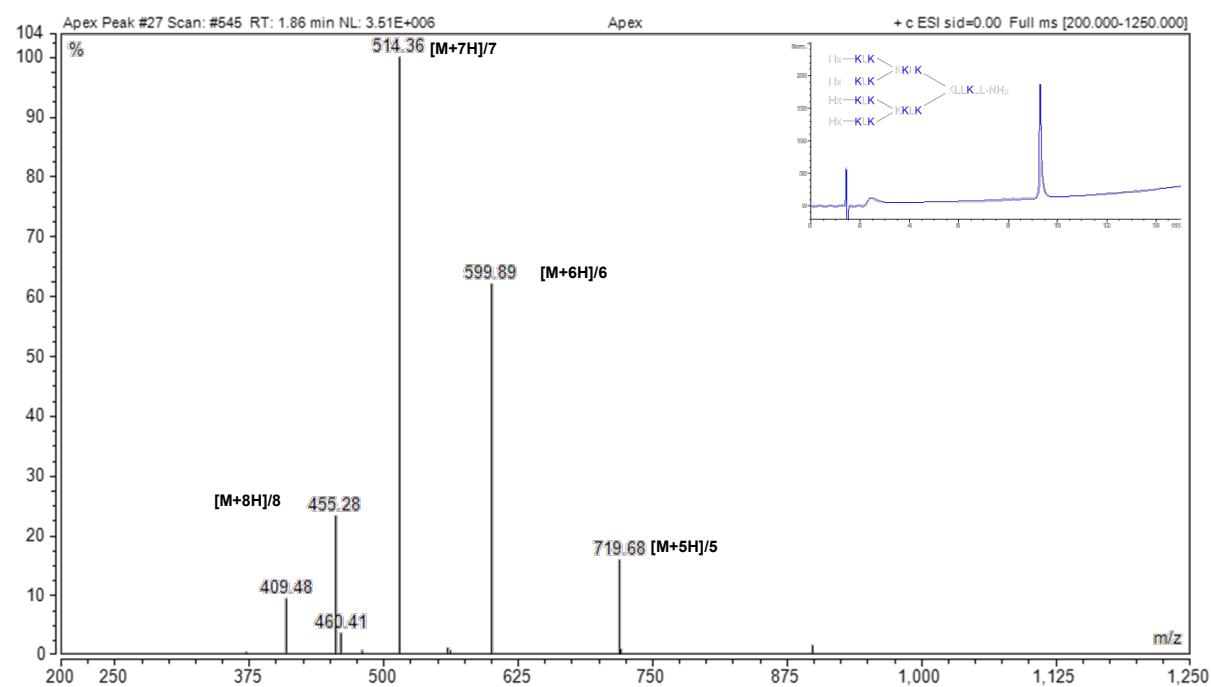
Method: 10% to 60% of B into A in 15 min.

Ac-G2KLK-L₂KL₂: MW=3367.58

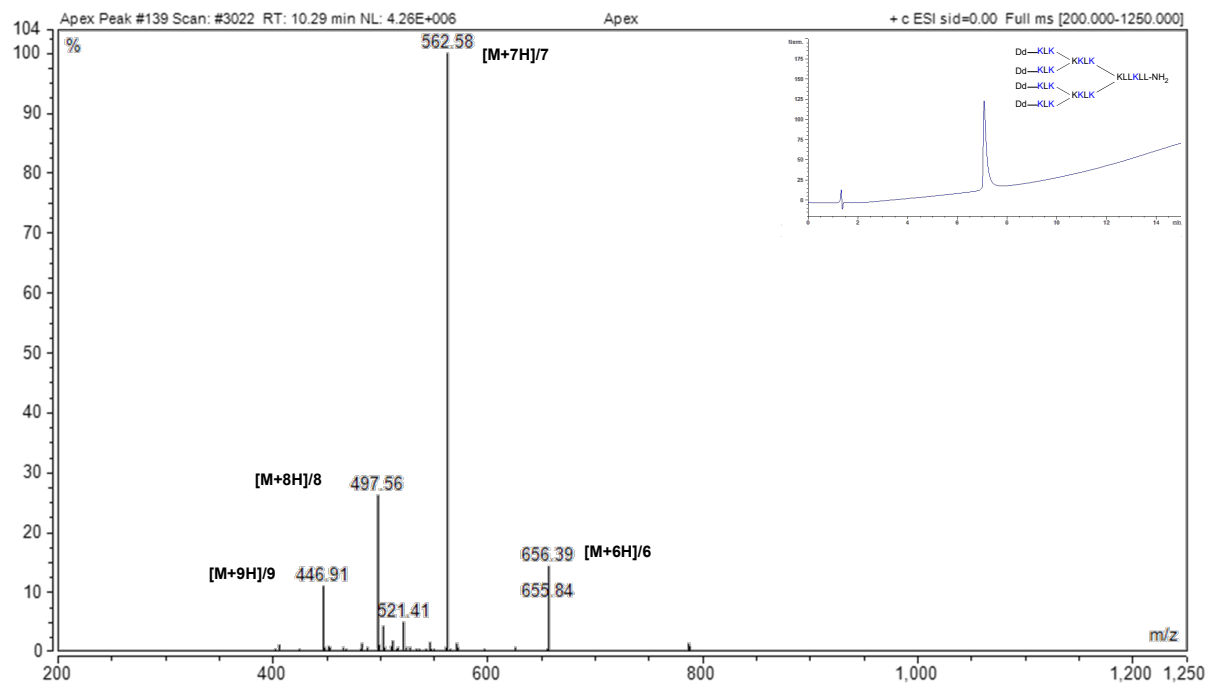


Method: 20% to 60% of B into A in 15 min.

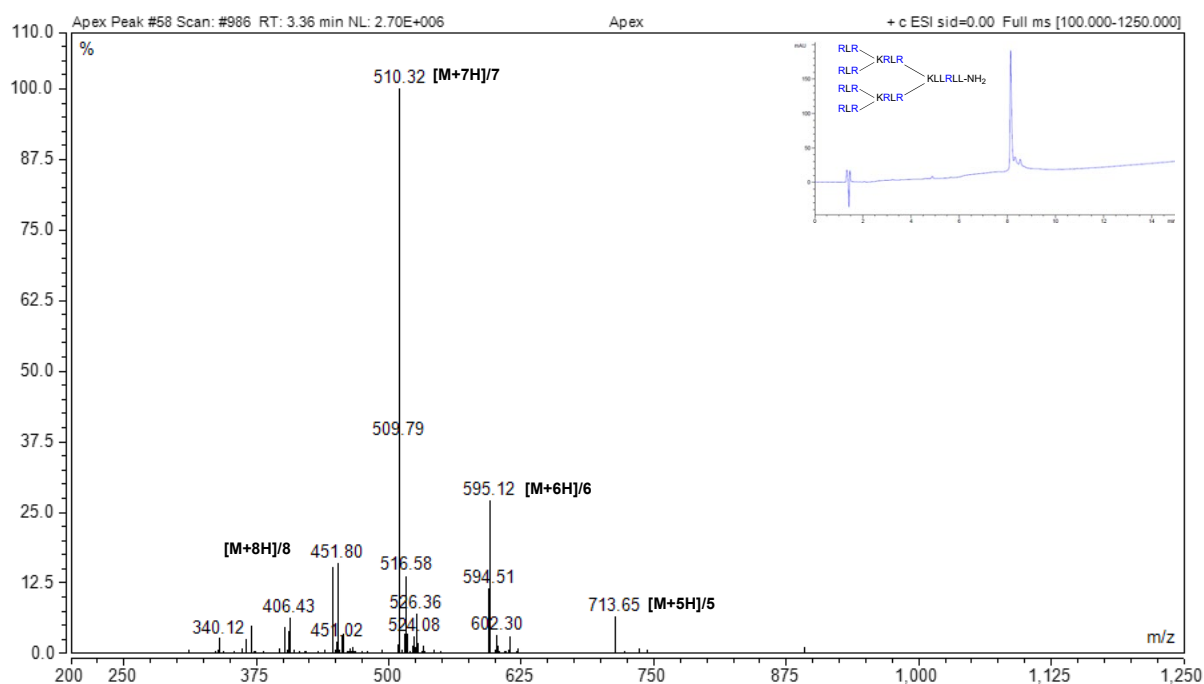
Hx-G2KLK-L₂KL₂: MW=3592.68



Dd-G2KLK-L₂KL₂: MW=3928.66

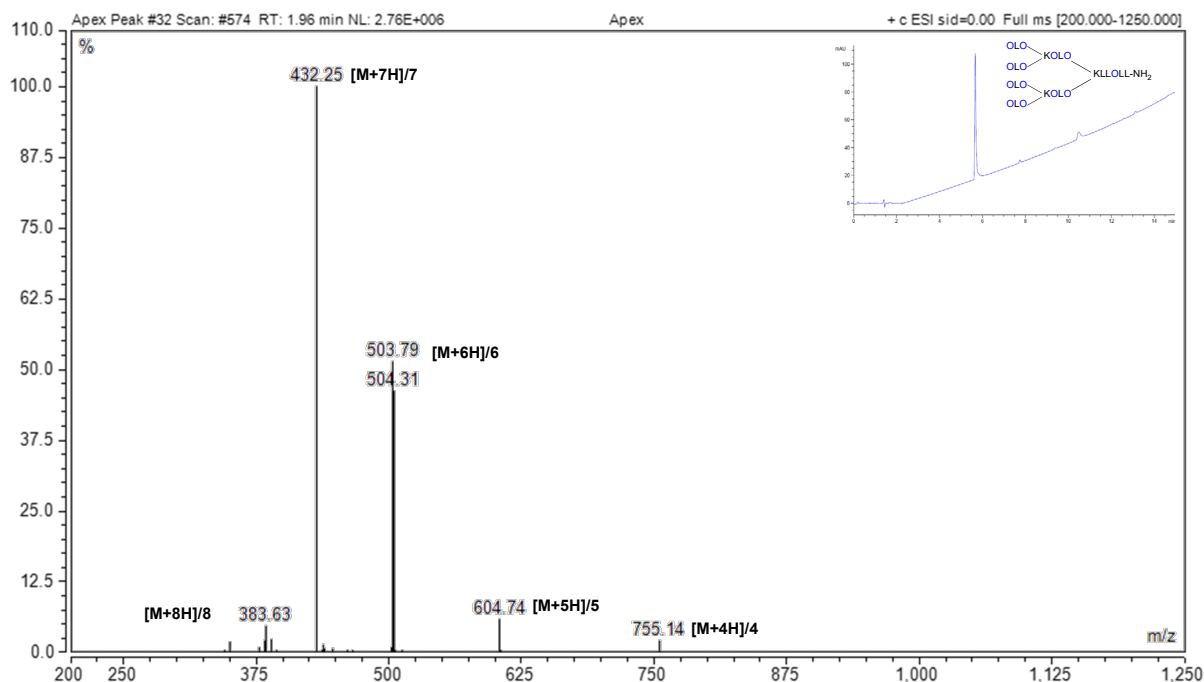


G2RLR-L₂RL₂: MW=3562.61



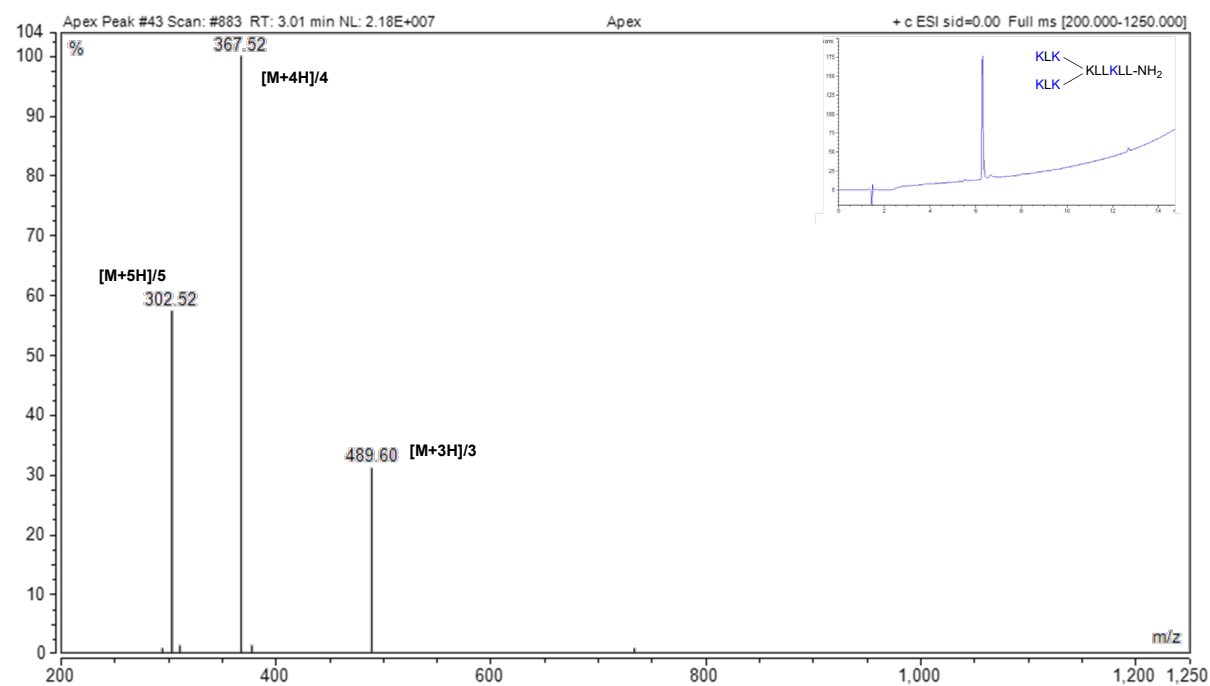
Method: 10% to 60% of B into A in 15 min

G2OLO-L₂KL₂: MW=3017.08



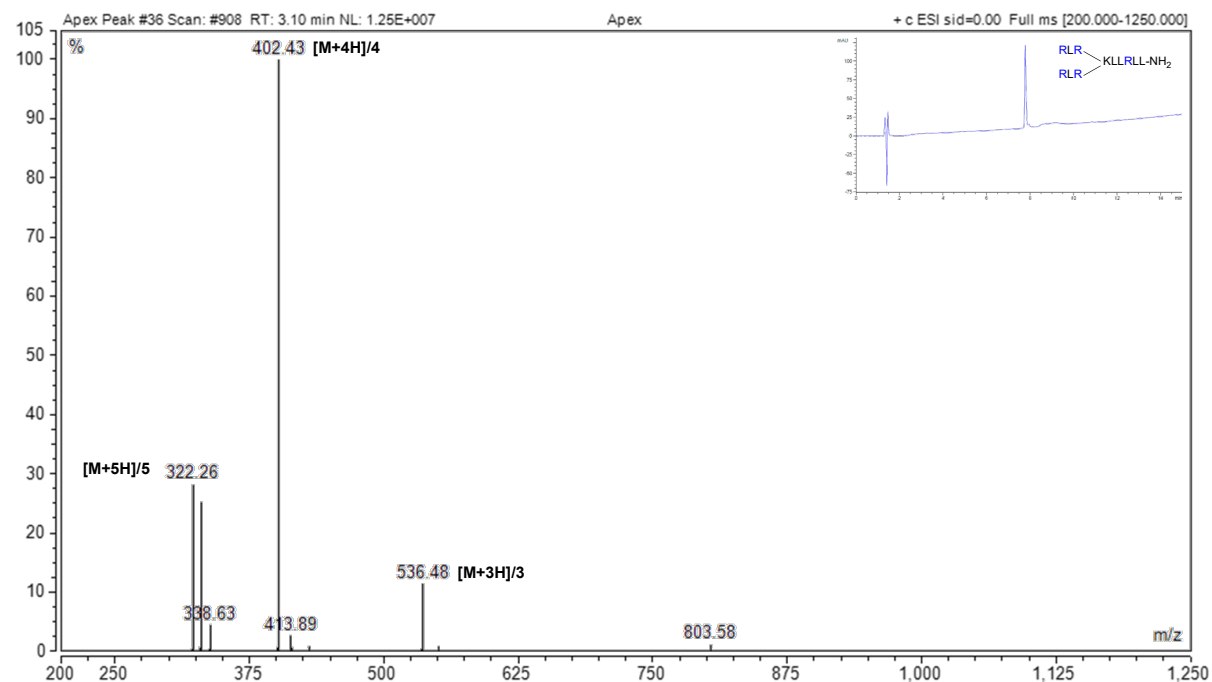
Method: 10% to 70% of B into A in 15 min

G1KLK-L₂KL₂: MW=1465.04



Method: 5% to 95% of B into A in 15 min.

G1RLR-L₂KL₂: MW=1604.10



Method: 10% to 60% of B into A in 15 min.

Apex Peak #59 Scan: #1051 RT: 3.58 min NL: 2.71E+007

Apex

+ c ESI sid=0.00 Full ms [100,000-1250,000]

Mass spectrum showing relative intensity (%) versus m/z. The base peak is at m/z 349.77 [M+4H]/4. Other labeled peaks include m/z 288.34 [M+5H]/5, 296.48, 465.94 [M+3H]/3, and 697.88 [M+2H]/2. The inset shows the total ion chromatogram (TIC) with a single sharp peak at 3.58 min.

m/z	Relative Intensity (%)	Charge State
288.34	~15	[M+5H]/5
296.48	~10	
349.77	100	[M+4H]/4
465.94	~30	[M+3H]/3
697.88	~2	[M+2H]/2

Method: 10% to 60% of B into A in 15 min.