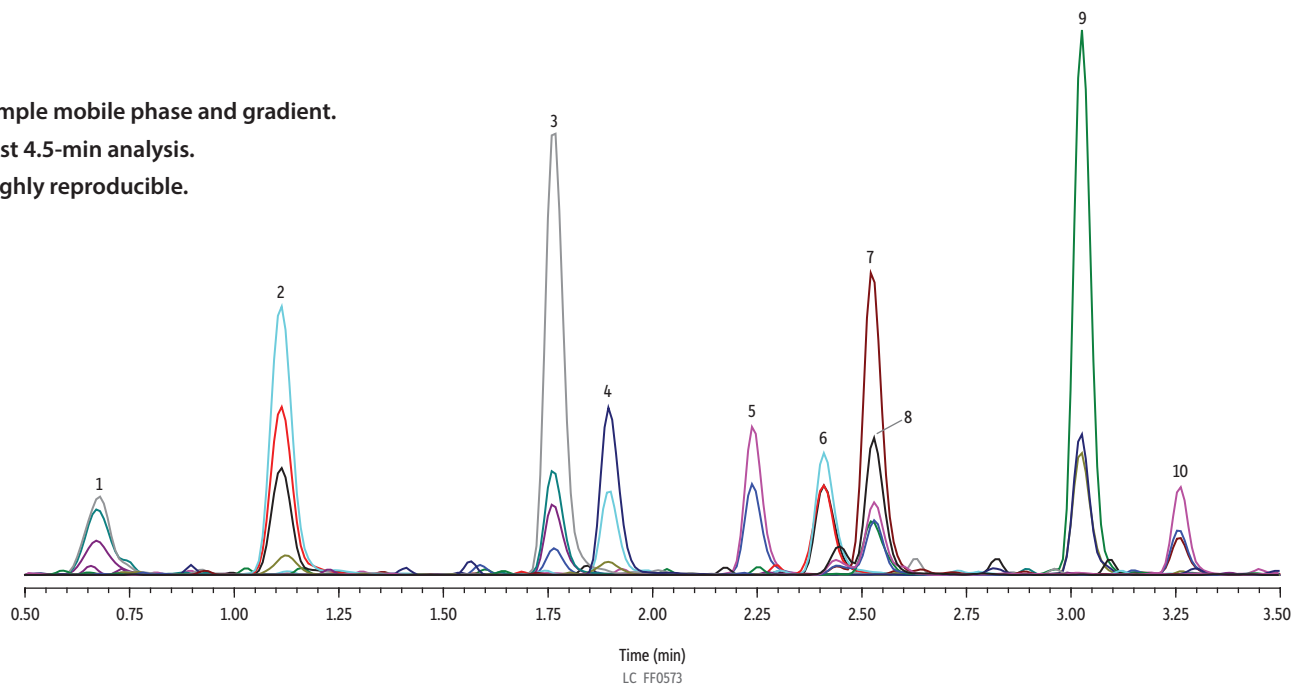


Pyrrrolizidine Alkaloids on Raptor ARC-18 by LC-MS/MS

- Simple mobile phase and gradient.
- Fast 4.5-min analysis.
- Highly reproducible.



Peaks	tr (min)	Precursor	Product 1	Product 2	Product 3
1. Monocrotaline	0.677	326.20	120.3	121.30	94.25
2. Incidine	1.111	300.20	94.15	138.20	156.36
3. Heliotrine	1.763	314.30	138.20	156.20	120.20
4. Heliotrine N-oxide	1.895	330.25	172.25	138.20	
5. Senecionine	2.240	336.20	120.30	138.30	
6. Senecionine N-oxide	2.410	352.35	94.20	120.30	118.25
7. Echimidine	2.524	398.30	120.25	220.15	
8. Echimidine N-oxide	2.528	414.25	396.30	352.20	254.25
9. Lasiocarpine	3.028	412.20	120.20	220.15	336.25
10. Lasiocarpine N-oxide	3.260	428.25	254.25	352.25	120.30

Column Raptor ARC-18 (cat.# 9314A52)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Temp.: 25 °C

Sample
Diluent: 0.1% Formic acid in water
Conc.: 10 ng/mL
Inj. Vol.: 1 µL

Mobile Phase
A: 0.1% Formic acid in water
B: 0.1% Formic acid in acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	95	5
3.5	0.5	65	35
3.51	0.5	95	5
4.5	0.5	95	5

Detector MS/MS
Ion Mode: ESI+
Instrument UHPLC