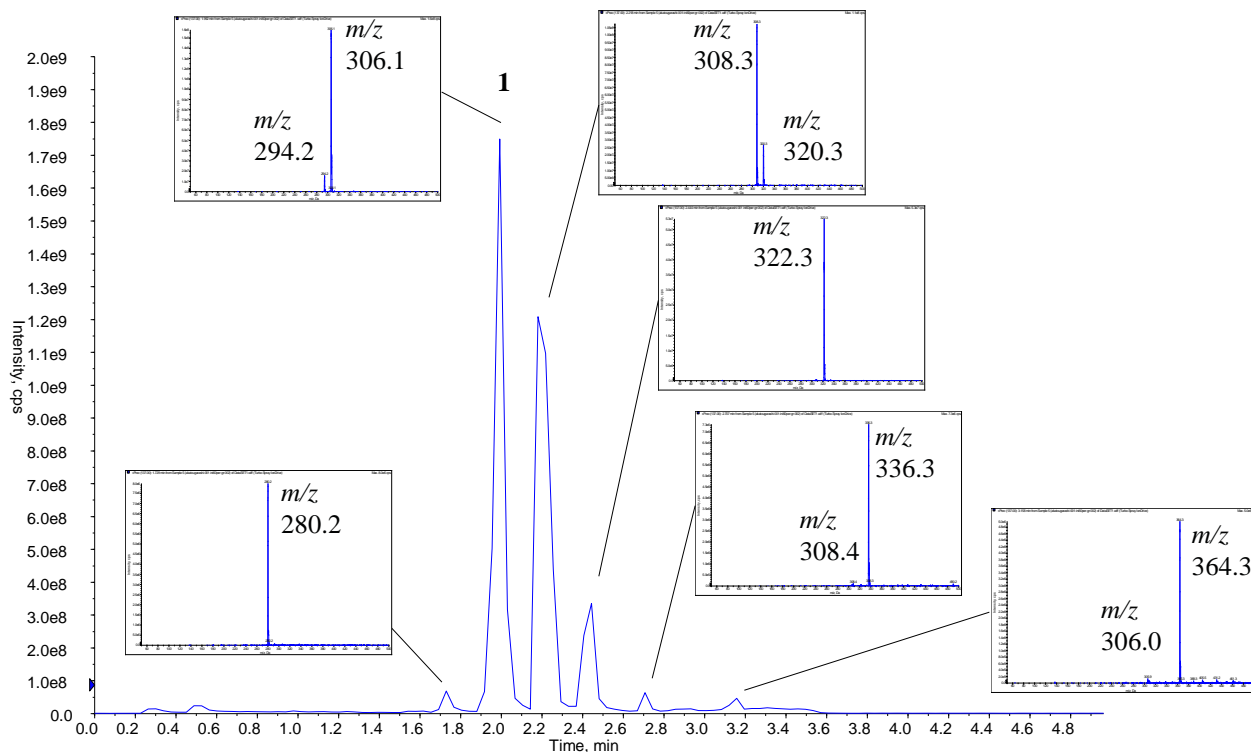


Analysis of Capsaicin in red pepper (InertSustain AQ-C18)

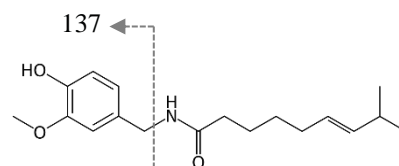


Conditions

- System** : ExionLC HPLC system
 Q TRAP 6500+
- Column** : InertSustain AQ-C18 (1.9 μ m, 50 x 2.1 mm I.D.)
- Column Cat. No.** : 5020-89938
- Eluent** : A) CH₃CN
 B) 2 mM Ammonium Acetate in H₂O

Analyte:

1. Capsaicin



Time (min)	A%	B%
0	60	40
3.0	95	5
3.1	60	40
5.0	60	40

- Flow rate** : 0.5 mL/min
- Col. Temp.** : 40 °C
- Detection** : LC/MS/MS (QTRAP 6500+ : ESI, Positive, Precursor ion scan m/z 50- 500 of 137)
- | CUR | CAD | IS | TEM | GS1 | GS2 | DP | EP | CE | CXP |
|-----|-----|------|-----|-----|-----|----|----|----|-----|
| 20 | 10 | 3500 | 500 | 50 | 50 | 20 | 10 | 42 | 23 |

- Injection Vol.** : 2 μ L
- Sample** : Red pepper extract