

## Food - Quantitative Analysis of Quaternary Ammonium Compounds (QAC) by LC/MS/MS

**Column:** Synergi<sup>TM</sup> 4  $\mu$ m Hydro-RP 80 Å, LC Column 150 x 2 mm, Ea

**Dimensions:** 150 x 2 mm ID

**Order No:** 00F-4375-B0

**Elution Type:** Gradient

**Eluent A:** Water with 5mmol Ammonium Formate □ □ purified Water,

**Eluent B:** Methanol with 5mmol Ammonium Formate □ □

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 100   | 0     |
|                   | 2        | 3          | 30    | 70    |
|                   | 3        | 6          | 15    | 85    |
|                   | 4        | 9          | 10    | 90    |
|                   | 5        | 20.5       | 10    | 90    |
|                   | 6        | 21         | 100   | 0     |
|                   | 7        | 32         | 100   | 0     |



**Flow Rate:** 100  $\mu$ L/min

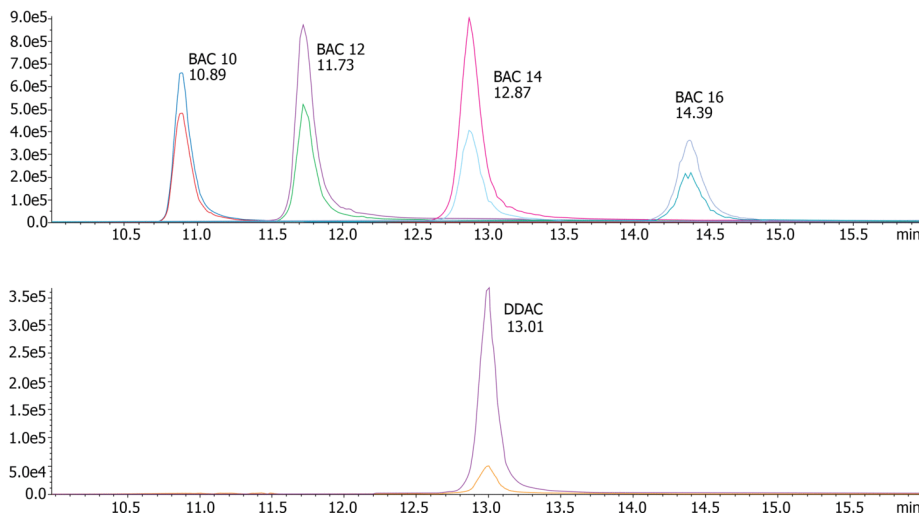
**Col. Temp.:** 40 °C

**Detection:** Tandem Mass Spec (MS-MS) @ (425 °C)

**Detector Info:** <a target="\_blank"

**Analyst Note:** href="https://scix.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX<,  
Courtesy of the laboratory CVUA Stuttgart (Schaafstr. 3/2, 70736 Fellbach, Germany).

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### ANALYTES:

- BAC 10**  
Retention Time: 11.09 min
- BAC 12**  
Retention Time: 11.91 min
- BAC 14**  
Retention Time: 13.03 min
- BAC 16**  
Retention Time: 14.42 min
- DDAC**  
Retention Time: 13.17 min

