

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

**Column:** Synergi™ 4 µm 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 µL/min

**Col. Temp.:** 40 °C

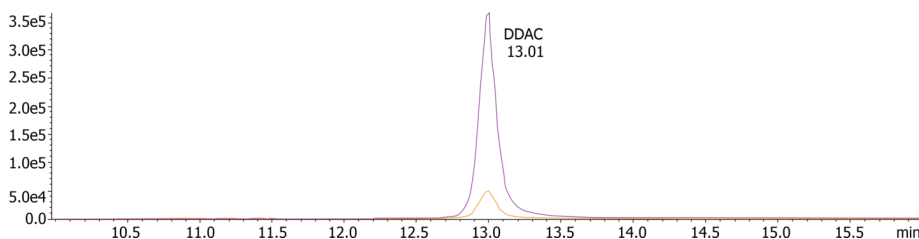
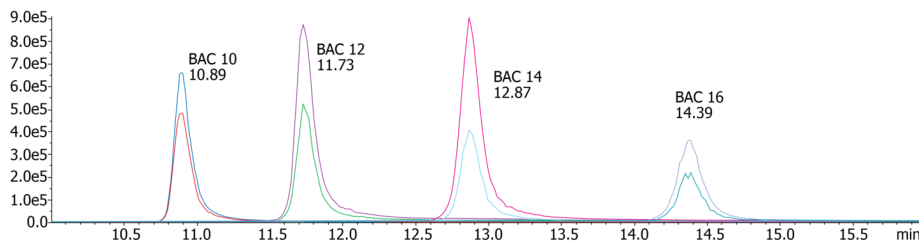
**Detection:** Tandem Mass Spec (MS-MS) @ (425 °C)

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

**Analyst Note:**

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

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### ANALYTES:

- 1 BAC 10  
Retention Time: 11.09 min
- 2 BAC 12  
Retention Time: 11.91 min
- 3 BAC 14  
Retention Time: 13.03 min
- 4 BAC 16  
Retention Time: 14.42 min
- 5 DDAC  
Retention Time: 13.17 min

