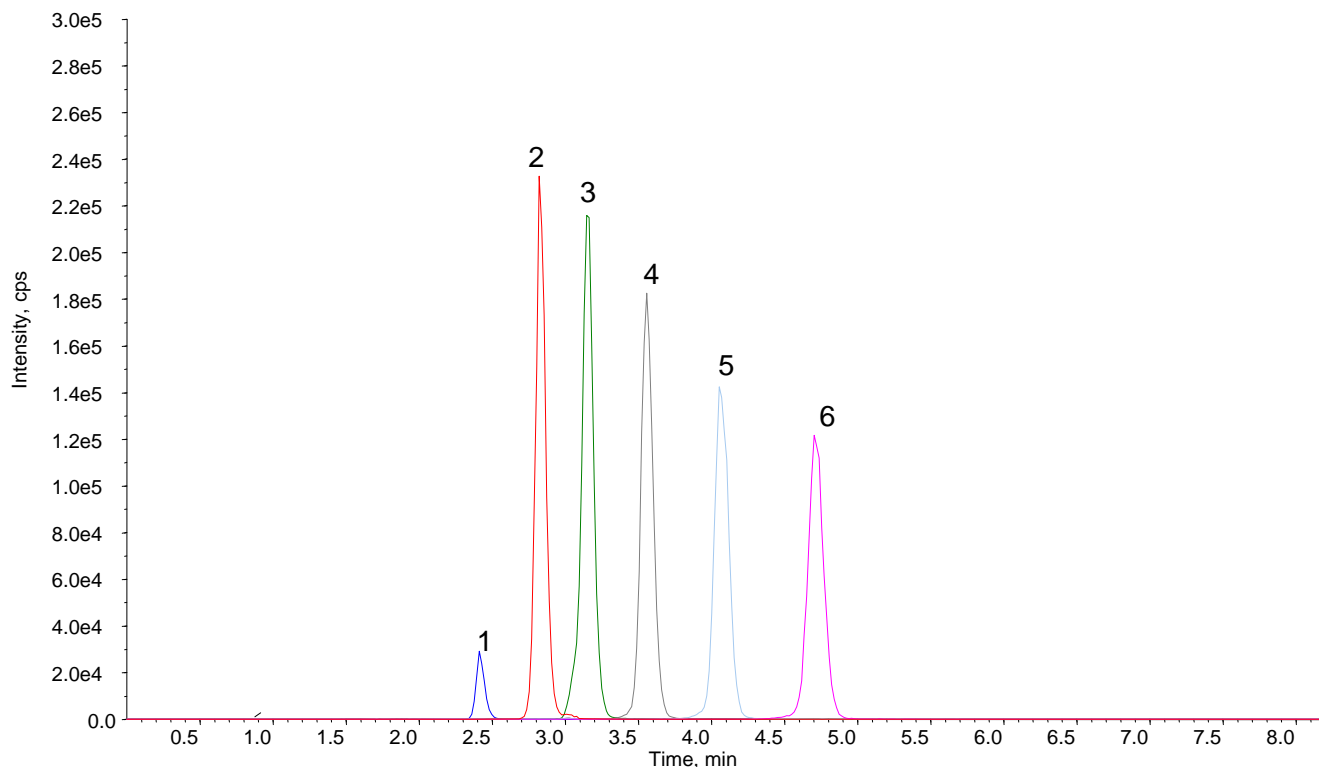


### Analysis of Linear alkylbenzene sulfonate

Data No. LB150-0888



#### Conditions

**System** : LC800 HPLC System  
4000 QTRAP®

**Column** : Inertsil C8-4 HP  
(3  $\mu$  m, 150×2.1 mm I.D.)

**Column Cat. No.** : 5020-03975

**Eluent** : A) CH<sub>3</sub>CN  
B) 0.1 % HCOOH + 50 mM HCOONH<sub>4</sub> in H<sub>2</sub>O  
A/B = 65/35, v/v

**Flow Rate** : 0.2 mL/min.

**Col. Temp.** : 40 °C

**Detection** : LC/MS/MS (4000 QTRAP® ESI, Negative, MRM)  
CUR CAD IS TEM GS1 GS2  
10 4 -4500 600 70 40

**Injection Vol.** : 5  $\mu$  L

#### Analyte:

1. Sodium Octylbenzenesulfonate(C8) (I.S.)  
2. Sodium Decylbenzenesulfonate(C10)  
3. Sodium Undecylbenzenesulfonate(C11)  
4. Sodium Dodecylbenzenesulfonate(C12)  
5. Sodium Tridecylbenzenesulfonate(C13)  
6. Sodium Tetradecylbenzenesulfonate(C14)  
in CH<sub>3</sub>CN/H<sub>2</sub>O = 65/35, v/v  
each 25  $\mu$  g/L (I.S. 5  $\mu$  g/L)