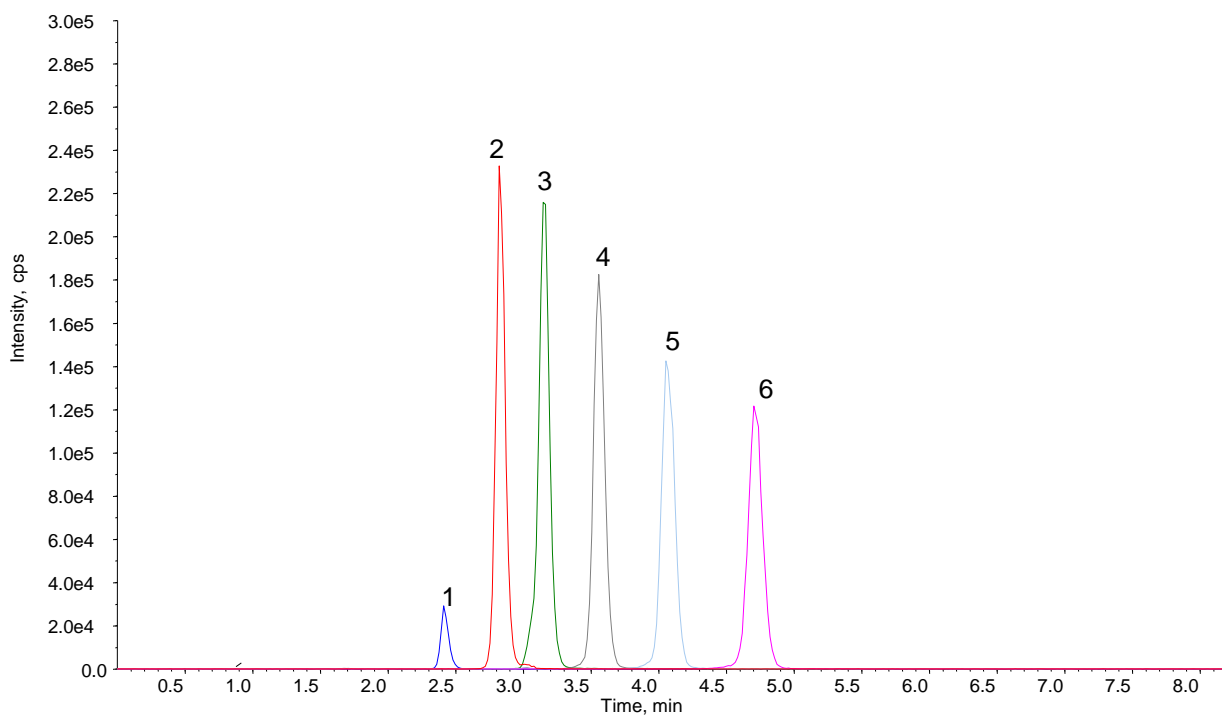


## Analysis of Linear alkylbenzene sulfonate



### Conditions

**System** : LC800 HPLC System  
 4000 QTRAP®  
**Column** : Inertsil C8-4 HP  
 (3  $\mu$  m, 150  $\times$  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)