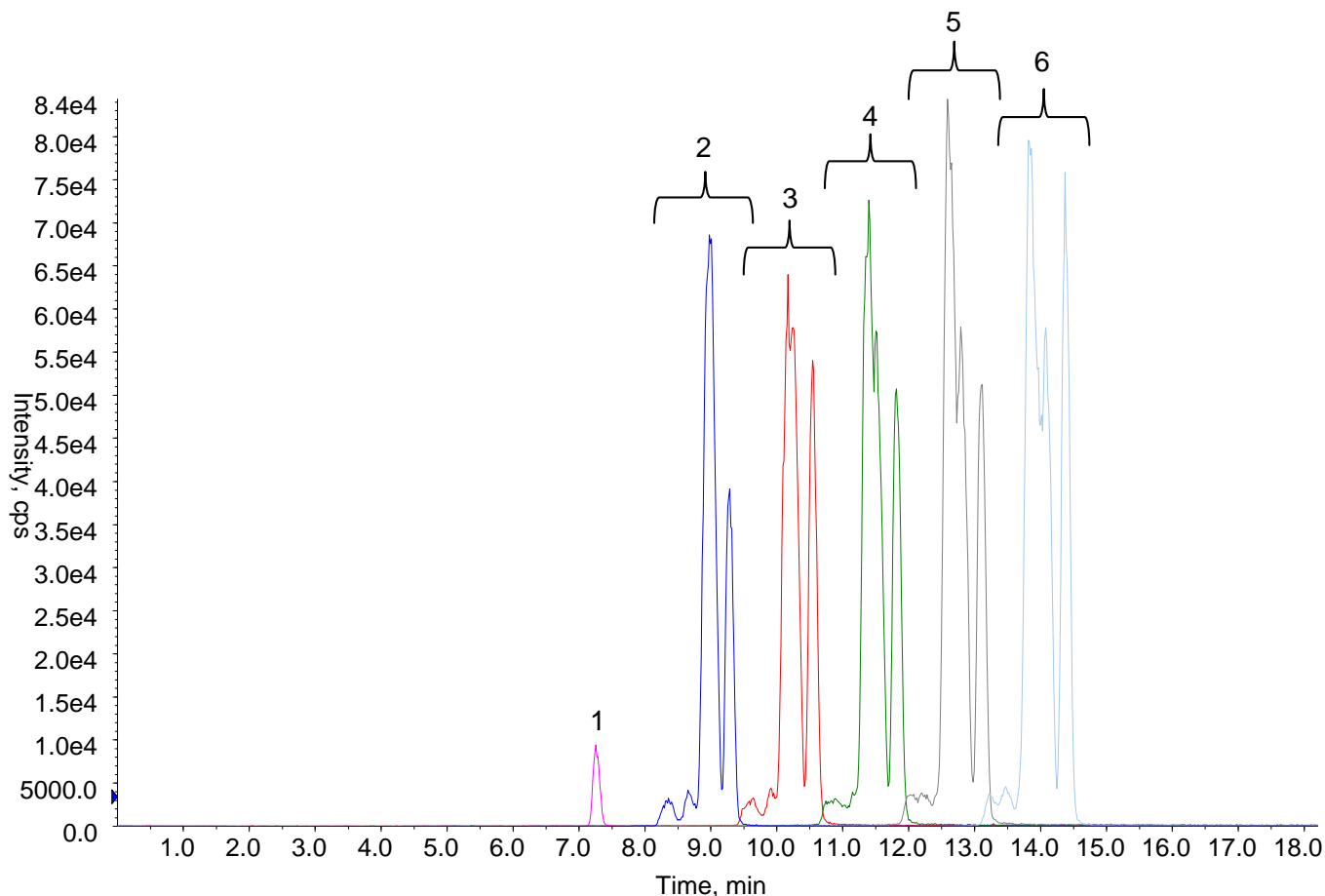


### Analysis of Linear alkylbenzene sulfonate

Data No. LB149-0888



#### Conditions

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

**Column** : InertSustain C18 HP  
(3 μm, 150 x 2.1 mm I.D.)

**Column Cat. No.** : 5020-14415

**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 = 40/60 - 12min - 80/20 - 3min - 80/20  
- 1min - 95/5 - 10min - 95/5 - 1min  
- 60/40 - 6min, 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  
20 12 -4500 700 60 30

**Injection Vol.** : 5 μL

#### 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 50 μg/L (I.S. 5 μg/L)