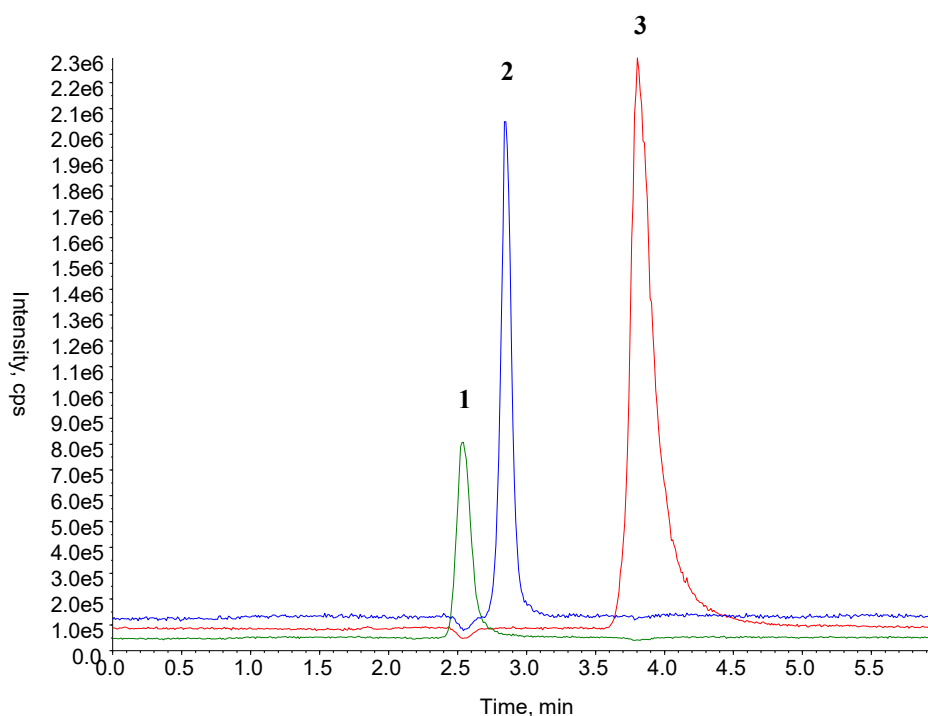


## Analysis of Alkyl amines



### Conditions

**System** : Exion HPLC System (SCIEX)  
               QTRAP 6500+ LC-MS/MS System (SCIEX)  
**Column** : InertSustain PFP (HP 3  $\mu$ m, 100 x 2.1 mm I.D.)  
               (GL Sciences Inc.)  
**Cat. No.** : 5020-87920  
**Eluent** : A) CH<sub>3</sub>CN  
               B) 20 mM HCOONH<sub>4</sub> in H<sub>2</sub>O (pH 3.2, HCOOH)  
               A/B = 50/50, v/v (Mixed by a High –pressure gradient system)  
**Flow Rate** : 0.2 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : LC/MS (ESI, Positive, SIM)  
               CUR IS GS1  
               35 5500 24  
**Injection Vol.** : 2  $\mu$ L  
**Sample** : Standard in H<sub>2</sub>O

| Analyte:                                 |               | SIM  |
|------------------------------------------|---------------|------|
| 1. 50% Dimethylamine in H <sub>2</sub> O | 15 $\mu$ g/ml | 46.0 |
| 2. Diethylamine                          | 150 ng/ml     | 74.0 |
| 3. Ethylenediamine                       | 15 $\mu$ g/ml | 61.0 |