

# Aromatic Urinary Diamines by UHPLC-APCI-MS/MS

Application #AN4850

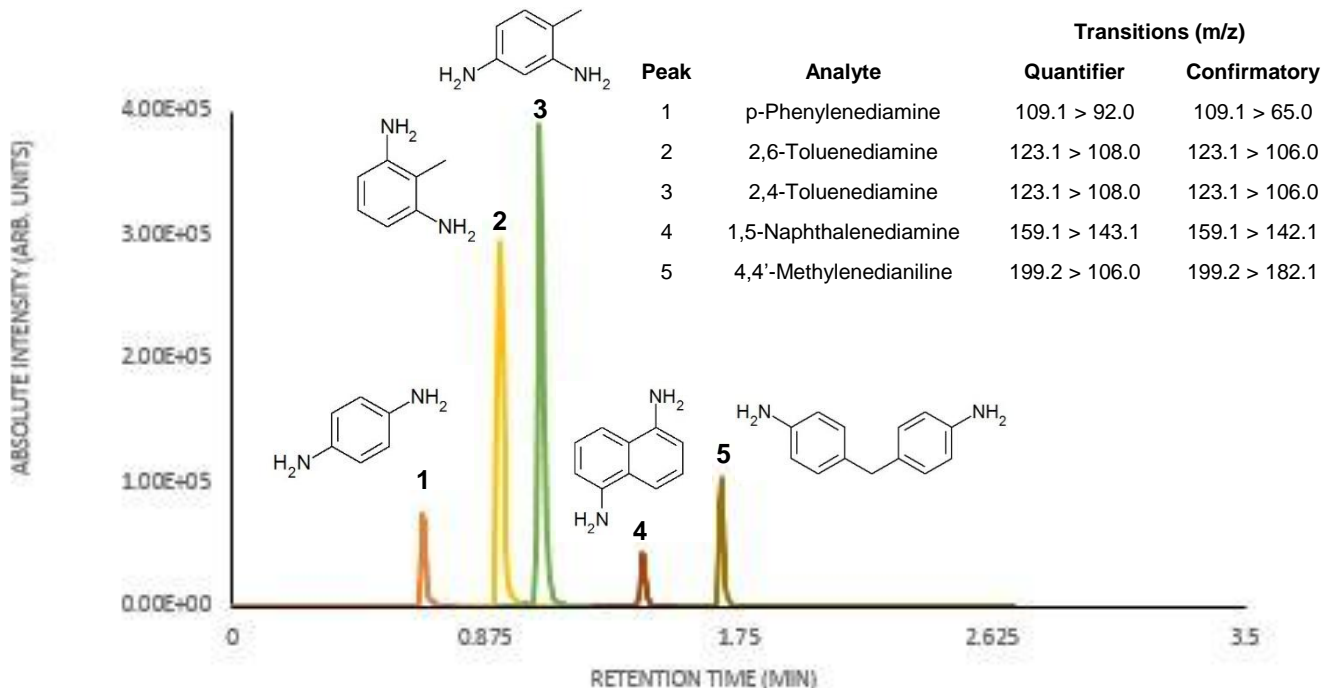
## Conditions

Column: ACE Excel 2 SuperC18  
Dimensions: 100 x 2.1 mm  
Part Number: EXL-1011-1002U  
Mobile Phase: A: 5mM ammonium acetate, pH 9.2  
B: Acetonitrile:100mM ammonium acetate in water, pH 9.2 (95:5)

| Time (mins) | %B |
|-------------|----|
| 0           | 10 |
| 1           | 30 |
| 2           | 90 |
| 2.5         | 15 |

Flow Rate: 0.5 mL/min  
Injection: 5 µL  
Temperature: 35 °C  
Detection: Sciex 5500 triple quad MS  
Positive ion APCI, MRM mode  
APCI ion current: 3 µA  
Probe temperature: 550 °C

Sample: Diamines are metabolites of diisocyanates, used as biomarkers of exposure to diisocyanates when measured in human urine. Sample preparation includes acid hydrolysis followed by automated strong cation-exchange SPE.



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