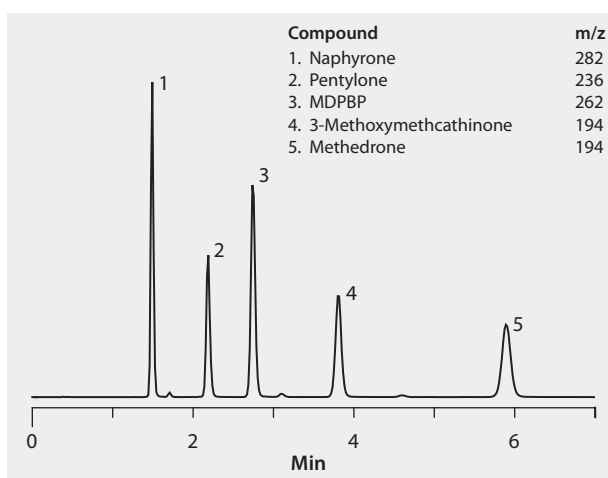


## LC/MS Analysis of Illicit Bath Salts on Ascentis® Express HILIC, Set 1

HILIC mode operation on an Ascentis Express column provided baseline resolution of these bath salts, including isobaric compounds. Fluka LC-MS Ultra CHROMASOLV solvents were used to supply low background interference and low particulate contaminants for robust, trouble-free operation. Cerilliant CRMs provided reliable identification and quantification.

|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| market focus    | Forensics and Toxicology                                                |
| column          | Ascentis Express HILIC, 10 cm x 2.1 mm I.D., 2.7 µm particles (53939-U) |
| mobile phase    | 5 mM ammonium formate in [A] acetonitrile; [B] water; (98:2, A:B)       |
| flow rate       | 0.6 mL/min                                                              |
| pressure        | 267 psi (18.4 bar)                                                      |
| column temp.    | 35 °C                                                                   |
| detector        | MS, ESI(+) TOF, Summed Ion Chromatogram                                 |
| injection       | 2 µL                                                                    |
| sample          | 500 ng/mL in acetonitrile                                               |
| Application No. | G005910                                                                 |



### Related Products

#### analytical column

Ascentis® Express HILIC, 2.7 Micron HPLC Column ([Supelco 53939-U](#))

#### application

LC/MS Analysis of Illicit Bath Salts on Ascentis® Express HILIC, Set 2 ([Supelco G005911](#))

LC/MS Analysis of Illicit Bath Salts on Ascentis® Express HILIC, Set 3 ([Supelco G005912](#))

LC/MS Analysis of Illicit Bath Salts on Ascentis® Express HILIC, Set 4 ([Supelco G005913](#))

#### mobile phase component

Acetonitrile ([Fluka 14261](#))

Ammonium formate ([Fluka 14266](#))

Water ([Fluka 14263](#))

#### standard

MDPBP hydrochloride solution ([Cerilliant M-154](#))

Methedrone hydrochloride solution ([Cerilliant M-147](#))

3-Methoxymethcathinone hydrochloride ([Cerilliant M-151](#))

Naphyrone hydrochloride ([Cerilliant N-067](#))

Pentylone hydrochloride ([Cerilliant P-086](#))