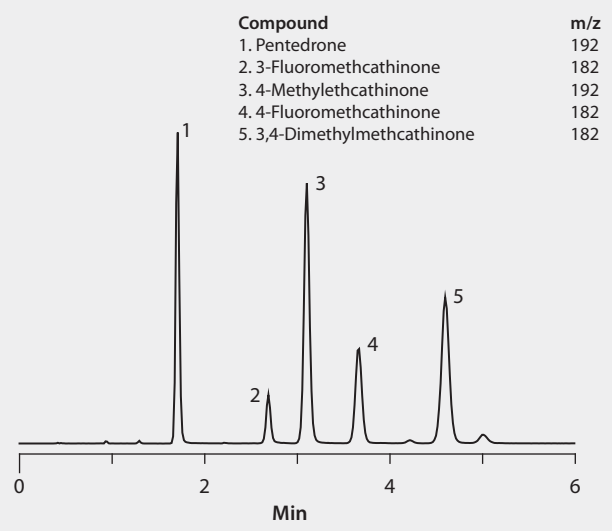
LC/MS Analysis of Illicit Bath Salts on Ascentis® Express HILIC, Set 3

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	[A] 5 mM ammonium formate in 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.	G005912



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 1 (Supelco G005910)
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 4 (Supelco G005913)

mobile phase component
Acetonitrile (Fluka 14261)
Ammonium formate (Fluka 14266)
Water (Fluka 14263)

standard
3,4-Dimethylmethcathinone hydrochloride solution (Cerilliant D-093)
3-Fluoromethcathinone hydrochloride solution (Cerilliant F-016)
4-Fluoromethcathinone hydrochloride solution (Cerilliant F-015)
4-Methylethcathinone hydrochloride solution (Cerilliant M-155)
Pentedrone hydrochloride (Cerilliant P-087)