

Accepted Manuscript

Title: Identification and Quantification of Synthetic Cathinones in Blood and Urine using Liquid Chromatography-Quadrupole/Time of Flight (LC-Q/TOF) Mass Spectrometry

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PII: S1570-0232(16)30886-8
DOI: <http://dx.doi.org/doi:10.1016/j.jchromb.2016.09.027>
Reference: CHROMB 20265

To appear in: *Journal of Chromatography B*

Received date: 15-6-2016

Revised date: 15-9-2016

Accepted date: 19-9-2016

Please cite this article as: Lindsay Glicksberg, Kelsie Bryand, Sarah Kerrigan, Identification and Quantification of Synthetic Cathinones in Blood and Urine using Liquid Chromatography-Quadrupole/Time of Flight (LC-Q/TOF) Mass Spectrometry, *Journal of Chromatography B* <http://dx.doi.org/10.1016/j.jchromb.2016.09.027>

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Identification and Quantification of Synthetic Cathinones in Blood and Urine using Liquid Chromatography-Quadrupole/Time of Flight (LC-Q/TOF) Mass Spectrometry

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Highlights:

- High resolution mass spectrometry was used to identify cathinones in blood and urine
- LC-Q/TOF was used to separate twenty-two cathinones, including positional isomers
- Validation analyses demonstrated excellent sensitivity and specificity
- The validated method was applied to authentic urine case samples

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