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Title: High Throughput Liquid Chromatography-Tandem Mass Spectrometry Assay for Mercapturic Acids of Acrolein and Crotonaldehyde in Cigarette Smokers' Urine

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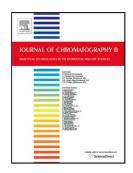
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ACCEPTED MANUSCRIPT

High Throughput Liquid Chromatography-Tandem Mass Spectrometry Assay for Mercapturic Acids of Acrolein and Crotonaldehyde in Cigarette Smokers' Urine

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Keywords

High throughput Liquid chromatography-tandem mass spectrometry Mercapturic acids Acrolein Crotonaldehyde

Highlights

- A method to analyze mercapturic acids of acrolein and crotonaldehyde is described
- The method was validated for accuracy and precision
- The method was applied in the analysis of more than 2600 urine samples from smokers
- Mean smokers' urinary levels were 4800±5358 (3-HPMA) and 3302±3341 pmol/ml (HMPMA)

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