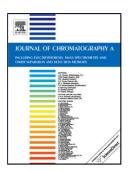
## Accepted Manuscript

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## ACCEPTED MANUSCRIPT

## Using Pattern Recognition Entropy to Select Mass Chromatograms to Prepare Total Ion Current Chromatograms from Raw Liquid Chromatography-Mass Spectrometry Data

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Highlights

- Variable selection/spectrum selection procedure based on Pattern Recognition Entropy (PRE)
- Fast, simple, intuitive algorithm for selecting high quality mass chromatograms
- Identification of noise in mass channels through shape recognition
- High quality reduced total ion chromatograms obtained from noisy LC/MS data

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