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How to really perform high throughput metabolomic analyses efficiently?

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Highlights

- DI-HRMS for high throughput metabolomics analysis
- Requirements for a high throughput objective were described
- FTMS and their related characteristics improved the direct approach
- Applications of high-throughput approach using HRMS instruments in metabolomics were reported
- The interesting aspects of analysis tools for processing DI-HRMS data were also discussed

Abstract

High-throughput analyses are based on technologies characterized by their rapidity, simplicity, sensitivity, robustness, low cost and high efficiency. They offer the potential for screening a large number of samples per day, which cannot be done using classical methods. High-throughput analyses have shown their feasibility and efficiency in multidisciplinary fields such as drug screening, bioassays of compound against mycobacteria. Another successful application is based on direct introduction mass spectrometry for the analysis of very complex organic materials in petroleomics. High-throughput analyses appear to be very attractive in metabolomics, which aims to study

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