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An untargeted lipidomic strategy combining comprehensive two-dimensional liquid chromatography and chemometric analysis

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Highlights

- An LC×LC-MS/MS-based approach is proposed to untargeted lipidomics analysis.
- ROIMCR strategy retrieved all relevant information from LC×LC-MS complex datasets.
- LC×LC-MS approach combined with ROIMCR strategy allowed the resolution of 200 lipids.
- Identification of selected lipids using their MS/MS spectra is attempted.
- Lipidomic assessment of the effect of As pollution on rice growth.

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