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Title: Application of ambient ionization high resolution mass spectrometry to determination of the botanical provenance of the constituents of psychoactive drug mixtures

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HIGHLIGHTS

- DART-HRMS used for rapid analysis of the psychoactive plant brew Ayahuasca
- Species biomarkers were confirmed without need for sample preparation
- PCA was used for determination of the originating plant species of Ayahuasca brews
- DART-HRMS provides rapid means to analyze complex matrices of forensic samples

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