Resource Summary Report

Generated by <u>NIF</u> on May 13, 2025

MassBank of North America

RRID:SCR_015536 Type: Tool

Proper Citation

MassBank of North America (RRID:SCR_015536)

Resource Information

URL: http://mona.fiehnlab.ucdavis.edu

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Description: Metadata-centric, auto-curating repository designed for storage and querying of mass spectral records. It contains metabolite mass spectra, metadata and associated compounds.

Abbreviations: MoNA

Synonyms: MassBank of North America (MoNA)

Resource Type: data or information resource, database

Keywords: mass spectrometry, ms database, mass spectrometry database, mass spectral records, FASEB list

Funding:

Availability: Available for download, The scientific community can contribute to this resource

Resource Name: MassBank of North America

Resource ID: SCR_015536

Record Creation Time: 20220129T080326+0000

Record Last Update: 20250507T061101+0000

Ratings and Alerts

No rating or validation information has been found for MassBank of North America.

No alerts have been found for MassBank of North America.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 169 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Metz TO, et al. (2025) Introducing "Identification Probability" for Automated and Transferable Assessment of Metabolite Identification Confidence in Metabolomics and Related Studies. Analytical chemistry, 97(1), 1.

Zhang G, et al. (2025) Flexible substrate-based mass spectrometry platform for in situ nondestructive molecular imaging of living plants. Plant biotechnology journal, 23(1), 97.

Oyerinde AS, et al. (2025) Effect of H2O2 induced oxidative stress on volatile organic compounds in differentiated 3T3-L1 cells. Scientific reports, 15(1), 2597.

Wishart DS, et al. (2025) The Natural Products Magnetic Resonance Database (NP-MRD) for 2025. Nucleic acids research, 53(D1), D700.

Zheng C, et al. (2025) Integrative Omics Analysis Reveals Mechanisms of Anthocyanin Biosynthesis in Djulis Spikes. Plants (Basel, Switzerland), 14(2).

Tian Z, et al. (2024) PMhub 1.0: a comprehensive plant metabolome database. Nucleic acids research, 52(D1), D1579.

Katchborian-Neto A, et al. (2024) Integrative open workflow for confident annotation and molecular networking of metabolomics MSE/DIA data. Briefings in bioinformatics, 25(2).

Shi H, et al. (2024) RefMetaPlant: a reference metabolome database for plants across five major phyla. Nucleic acids research, 52(D1), D1614.

Qu Y, et al. (2024) Role of metabolomic profile as a potential marker to discriminate membranous nephropathy from IgA nephropathy. International urology and nephrology, 56(2), 635.

Pan H, et al. (2024) Dietary modulation of gut microbiota affects susceptibility to druginduced liver injury. Gut microbes, 16(1), 2439534.

Ding X, et al. (2024) Reshaped commensal wound microbiome via topical application of

Calvatia gigantea extract contributes to faster diabetic wound healing. Burns & trauma, 12, tkae037.

Galgonek J, et al. (2024) The IDSM mass spectrometry extension: searching mass spectra using SPARQL. Bioinformatics (Oxford, England), 40(4).

Zheng L, et al. (2024) Human-derived fecal microbiota transplantation alleviates social deficits of the BTBR mouse model of autism through a potential mechanism involving vitamin B6 metabolism. mSystems, 9(6), e0025724.

Little LD, et al. (2024) Volatile organic compound analysis of malignant pleural mesothelioma chorioallantoic membrane xenografts. Journal of breath research, 18(4).

Pelosi AC, et al. (2024) Metabolomics of 3D cell co-culture reveals alterations in energy metabolism at the cross-talk of colorectal cancer-adipocytes. Frontiers in medicine, 11, 1436866.

Zhuang X, et al. (2024) Molecular Responses of Anti-VEGF Therapy in Neovascular Age-Related Macular Degeneration: Integrative Insights From Multi-Omics and Clinical Imaging. Investigative ophthalmology & visual science, 65(10), 24.

Ibrahim RM, et al. (2024) Metabolites profiling, in-vitro and molecular docking studies of five legume seeds for Alzheimer's disease. Scientific reports, 14(1), 19637.

Nong X, et al. (2024) Nontargeted metabonomics analysis of Scorias spongiosa fruiting bodies at different growth stages. Frontiers in microbiology, 15, 1478887.

Su X, et al. (2024) Ten metabolites-based algorithm predicts the future development of type 2 diabetes in Chinese. Journal of advanced research, 64, 131.

Winters NP, et al. (2024) A combination of conserved and diverged responses underlies Theobroma cacao's defense response to Phytophthora palmivora. BMC biology, 22(1), 38.