Resource Summary Report

Generated by nidm-terms on Jul 28, 2026

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

Proper Citation: MassBank of North America (RRID:SCR_015536)

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: database, data or information resource

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

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

Resource Name: MassBank of North America

Resource ID: SCR_015536

Alternate IDs: r3d100012318

Alternate URLs: https://doi.org/10.17616/R3ND3Z

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260725T191211+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 215 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Xu XY, et al. (2026) Screening, identification and detection of the regulated and emerging mycotoxins in edible and medicinal products by integrating diversiform liquid chromatography/mass spectrometry systems and high-throughput sequencing of contaminated fungi. Journal of advanced research, 79, 891.

Hasnaoui N, et al. (2026) Direct vs indirect ultrasound-assisted extraction of phenolics from wild sumac (Rhus tripartita): Optimization by Response Surface Methodology (RSM) and LC-MS profiling. Ultrasonics sonochemistry, 124, 107604.

Edlund J, et al. (2025) Chemical exposomics in biobanked plasma samples and associations with breast cancer risk factors. Journal of exposure science & environmental epidemiology, 35(4), 567.

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.

Chang CH, et al. (2025) Assessing the Impact of Measurement Precision on Metabolite Identification Probability in Multidimensional Mass Spectrometry-Based, Reference-Free Metabolomics. Analytical chemistry, 97(26), 13861.

Zhang P, et al. (2025) Metabolome and transcriptome profiling reveals light-induced anthocyanin biosynthesis and anthocyanin-related key transcription factors in Yam (Dioscorea Alata L.). BMC plant biology, 25(1), 729.

Haikonen R, et al. (2025) Blueprint of the distinct metabolite profiles of healthy pig heart chambers. Journal of molecular and cellular cardiology plus, 13, 100462.

Derba-Maceluch M, et al. (2025) Glucuronoyl Esterase Expressed in Aspen Xylem Affects ?-Ester Linkages Between Lignin and Glucuronoxylan Reducing Recalcitrance and Accelerating Growth. Plant biotechnology journal, 23(12), 5417.

Egede Frøkjær E, et al. (2025) Large-scale generation of in silico based spectral libraries to annotate dark chemical space features in non-target analysis. Analytical and bioanalytical chemistry, 417(27), 6107.

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.

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

Chi Y, et al. (2025) Systematic pre-annotation explains the "dark matter" in LC-MS metabolomics. bioRxiv : the preprint server for biology.

Kob?rská M, et al. (2025) ABCF protein-mediated resistance shapes bacterial responses to antibiotics based on their type and concentration. mBio, 16(9), e0156825.

Gan B, et al. (2025) Lactobacillus johnsonii HL79 mitigate plateau environment-induced hippocampal dysfunction in mice. AMB Express, 15(1), 96.

Black GP, et al. (2025) Comprehensive Nontargeted Analysis of Drinking Water Supplies to Identify Chemicals Associated with Estrogen Receptor Agonism or Present in Regions of Elevated Breast Cancer Occurrence. Environmental science & technology, 59(10), 5237.

Sirirungruang S, et al. (2025) A substrate-multiplexed platform for profiling enzymatic potential of plant family 1 glycosyltransferases. Nature communications, 16(1), 6366.

Aberkane FZ, et al. (2025) A new perspective in avian bone health: dietary supplementation with a standardized dry grape extract improves pullets' bones' quality through metabolic modulation. Poultry science, 104(8), 105270.

Zhang Y, et al. (2025) The Effects and Mechanisms of Ti-Fu-Kang Decoction in Alleviating Central Fatigue: Insights from Network Pharmacology and Metabolomics. Pharmaceuticals (Basel, Switzerland), 18(10).

Li K, et al. (2025) ACE inhibitory casein peptide lowers blood pressure and reshapes gut microbiota in a randomized double blind placebo controlled trial. Scientific reports, 15(1), 13840.

Kalia A, et al. (2025) JESTR: Joint Embedding Space Technique for Ranking candidate molecules for the annotation of untargeted metabolomics data. Bioinformatics (Oxford, England), 41(7).