

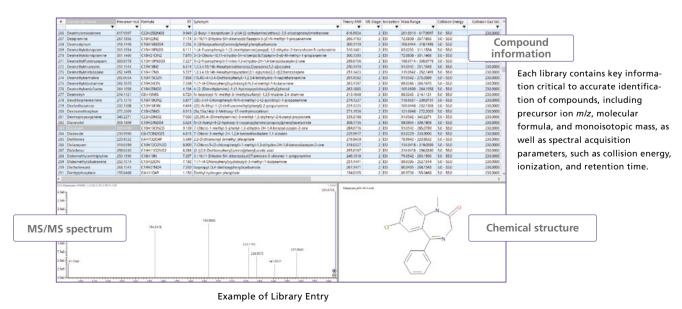
Perform forensic toxicology screening for drugs of abuse, psychotropic drugs, pharmaceuticals, pesticides, and natural toxins using this high-resolution accurate mass database.

MS/MS Spectra for over 900 Toxicological Substances

The High Resolution Accurate Mass (HRAM) Library includes two MS/MS spectral libraries. Each library is built using two different separation conditions and is suitable for targeted or non-targeted screening of drugs of abuse, psychotropic drugs, pharmaceuticals, pesticides, and other compounds of toxicological interest.

Library Contents

Library 1 includes 81 MS/MS spectra and ODS method retention times for various illegal drugs and pharmaceuticals commonly of interest to forensic laboratories. Library 2 includes MS/MS spectra for 901 potentially toxic substances of interest to forensic analysis and clinical research. Retention times and method conditions are based on a Biphenyl column.



STEP 3

High Resolution Accurate Mass Library for Forensic Toxicology

Simple Data Analysis Using LabSolutions Insight Explore™

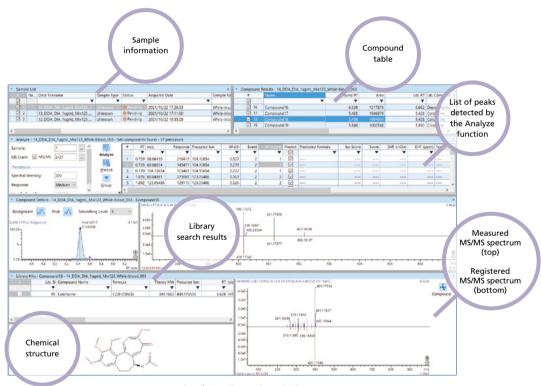
Data acquired with a Shimadzu Q-TOF system can be analyzed easily using LabSolutions Insight Explore software. Library searching and compound identification can be performed in just three steps. Search results are displayed in a format that is visually easy to understand.

Procedure for Compound Identification by Searching the Library

Use Insight's Analyze function to detect peaks in the mass spectrum and register results in the compound table.

STEP 2 Search the MS/MS library for spectra with similarities to detected compounds.

Check library search results along with library similarity score and chemical structure.



Example of Search Results Window

Remarks and Precautions

- 1. LabSolutions LCMS Ver. 5.113 or later and LabSolutions Insight™ Ver. 3.8SP4 or later are required.
- 2. This library is intended for research use only. It may not be used for clinical diagnostic applications.

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