

MASS PROFILER SOFTWARE

POWERFUL COMPARISON OF MS SAMPLE SETS

Improvements in Agilent MassHunter

Mass Profiler software is a powerful option for sample comparisons that supports differential analysis for two individual samples and two sample groups. The new user interface is even simpler to use. In addition, new capabilities improve usability, so you can quickly visualize the quality of a feature in the mass and time domain, and investigate the contribution of different ions to each feature.

Mass Profiler supports these workflows and more:

- Environmental – compare river or well water from two different locations
- Food and beverages – compare origins or ingredients between two samples
- Forensics – compare paint or fabric samples from different crime scenes
- Fine chemicals – compare production lots from chemical syntheses
- Pharma/biopharma – compare healthy versus disease populations

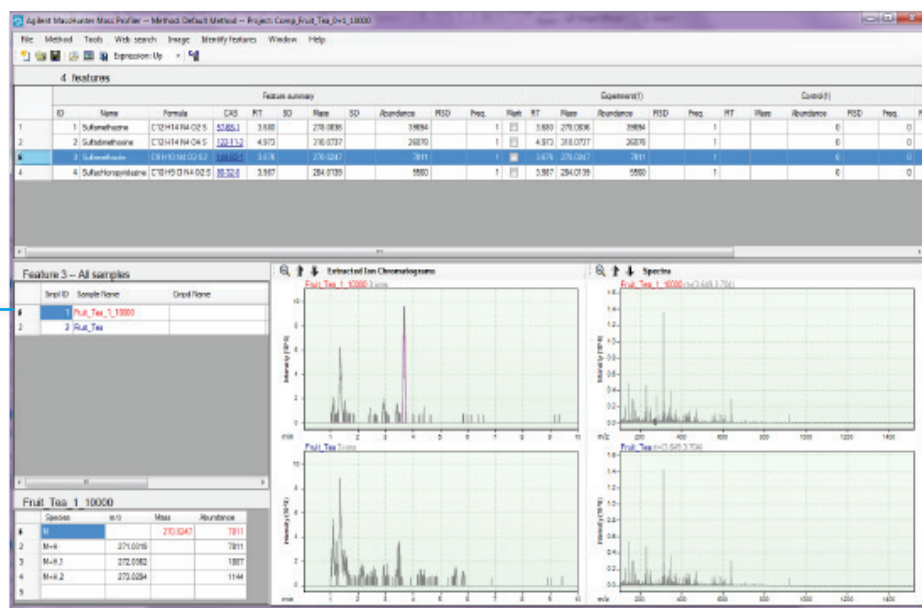
Previous generation Mass Profiler

- 2813 (41%) of compounds found to be unique to one sample
- 1142 (20%) of compounds found to be elevated

NEW Mass Profiler

- Only 128 (2.3%) of compounds found to be unique to one sample
- Only four compounds found to be elevated

See the difference for yourself

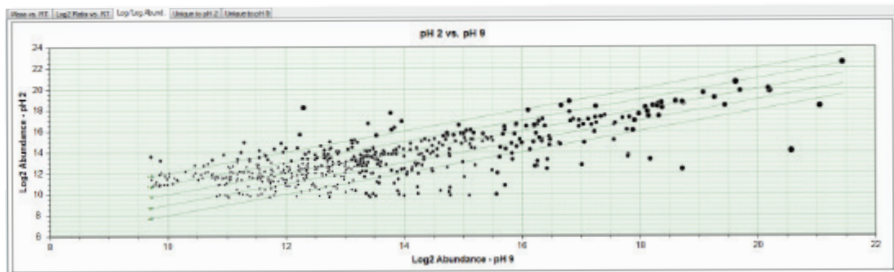


Fruit tea (control) vs. fruit tea spiked with four sulfa drugs (sample).

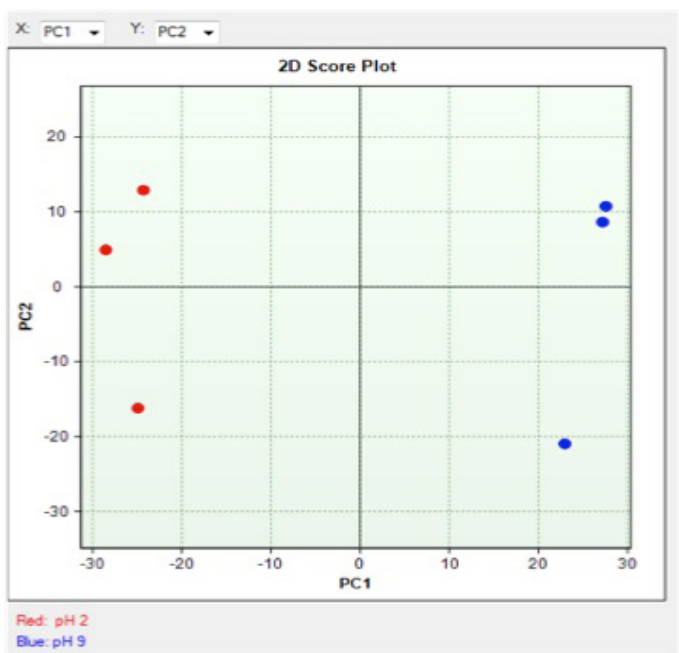


Find and extract the features in sample data

Agilent Mass Profiler helps you investigate similarities and differences across multiple samples groups, and perform sample classification using Principal Component Analysis (PCA). You can also identify features using MassHunter ID Browser.



Abundance plot of sample versus control helps identify differential compounds of interest.



Identify features using MassHunter ID Browser. Above, 2D PCA plot.

New Mass Profiler

Easy-to-use

- Simplified method parameters, supporting new input data file formats such as .d data files, CEF files, and CSV files
- Runs molecular feature extractor across MassHunter .d files to reduce false positives and negatives
- Supports a new Quality (Q-Score) in post-alignment filtering
- Displays chromatograms and mass spectra

Powerful capabilities

- Quickly visualize the quality of a feature in the mass and time domain
- Investigate the contribution of the different ions to each feature
- Generates PCA Plot when comparing two sample groups

Integrated with Agilent databases

- Supports all Agilent personal compound database and libraries (PCDLs)
- Use the latest version of ID Browser for identification

To order

- Product Name: Mass Profiler B.07.00
- Part Number: G3297AA

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