

Preview

Mass spectrometry is considered to be highly accurate. The accuracy of these spectrometers depends on several factors such as resolution, calibration, data analysis methods, and sample. High resolution, full scan mass spectrometry using Orbitrap technology provides a solution to: the demand for detection and quantification of a growing number of compounds. identification and elucidation of the chemical composition and. Boost performance and productivity in your lab with high-resolution mass spec technology. Whether you need the most comprehensive coverage and workflow flexibility to take on new projects, or a simplified and easy-to-use system for high throughput testing analyses, the SCIEX accurate mass portfolio. The masses of proteins are generally defined as "average" values when the isotope peaks are not resolved relative to each other. Average mass is the weighted mean of all the isotopic species in a molecule. It is used in biotechnology, pharma, environmental science, food safety, clinical studies, and geoscience. This instrument is particularly valued for its high sensitivity.

Low resolution quadrupole instruments perform well for extremely high mass-accuracy measurements, like those used for analyzing proteins. The masses of

With unmatched routine high resolving power and consistent sub-ppm mass accuracy, the Thermo Scientific Q Exactive GC mass spectrometer is a unique laboratory tool suitable for compound

Discover how high resolution mass spectrometry works, its unmatched accuracy in molecular analysis, and its real-world applications in chemistry, medicine, and environmental science

Abstract The virtually imaged phased array (VIPA) spectrometer uses the orthogonal dispersion method and has the advantages of compact structure, high spectral

High-resolution mass spectrometry (HRMS) has emerged as a cutting-edge technology that provides superior accuracy and precision in determining

A major challenge in modern mass spectrometry (MS) is achieving high mass resolving power and accuracy for precision analyses in high mass-to

Infrared spectroscopy is a foundational technique for the elucidation of chemical structures. The advancements in interferometric spectroscopy, and specifically the development of

Thanks to high mass accuracy, they provide an unambiguous identification and allow structural elucidation of unknown compounds. Furthermore, they offer new powerful acquisition

On the Accurate Understanding of Mass Measurement Accuracy in Q-TOF MS High-resolution, accurate-mass (HRAM) mass spectrometers (MS) are a class of MS instrumentation with capability

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

A high resolution mass spectrometer makes it possible to distinguish compounds that differ only slightly, leading to more reliable identification and quantification.

Why is SCIEX high-resolution accurate mass technology different? Don't get trapped with the wrong high-resolution mass spectrometer QTOF mass spectrometers

FT-IR affords an excellent signal-to-noise ratio that permits sensitive sampling with quantitative accuracy and high wavenumber precision based on well documented advantages

Six mass spectrometers based on different mass analyzer technologies, such as time-of-flight (TOF), hybrid quadrupole-TOF (Q-TOF), orbitrap, Fourier transform ion cyclotron resonance

Checking your browser before accessing pmc.ncbi.nlm.nih.gov ...

A high-resolution mass spectrometry solution that combines powerful MS/MS sensitivity, novel fragmentation technology and a step-change in data independent acquisition.

Web: <https://www.kremgroup.co.za>

