

NEW AGILENT ALL IONS MS/MS

The Measure of Confidence

Targeted Screening Workflow

Rapidly develop methods with All Ion MS/MS to quantify with ease and boost productivity

The new Agilent All Ions MS/MS technique gives you an easy approach to set up acquisition methods on an Agilent LC/TOF or Q-TOF instrument; quickly confirm the identities of compounds with high resolution accurate mass data; and set up a quantitative method in minutes rather than days. All Ions MS/MS allows you to screen and quantify hundreds of compounds in a single analysis. Your laboratory can focus on running samples rather than tedious method development.

Fast acquisition method setup using your TOF or Q-TOF

Agilent's new All Ions MS/MS workflow eliminates the need to specify the name, selected parent and product ions. Instead, you simply acquire data with both low and high fragmentor voltage or collision energy. The low value produces the precursor ions for the compounds and the high value generates the precursors plus their product ions.

Rapid screening and confirmation with Agilent's Personal Compound Database & Library (PCDL)

From the acquired data, the software automatically finds the precursor ions and searches for matches in an Agilent PCDL. When a match is found, the corresponding product ions in the MS/MS spectrum are extracted as chromatograms. A unique co-elution score is generated, which indicates confidence of the correlation between the parent ion and the product ions by abundance, peak shape (symmetry), peak width, and retention time.

Three steps to success:

- Fast creation of your TOF or Q-TOF acquisition method
- Rapid screening and confirmation with Agilent's accurate mass MS/MS libraries
- Easy setup of your quantitative processing method

Learn more at:

www.agilent.com/chem/LCMS

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Agilent Technologies

Easy processing method setup

Once the compounds are confirmed during the screening process, a number of parameters are exported to create a quantitative processing method that includes compound name, retention time, precursor ion, product ions, fragmentor voltage or collision energy, and relative abundances. The software selects the appropriate quantifier and qualifiers ions for batch processing.

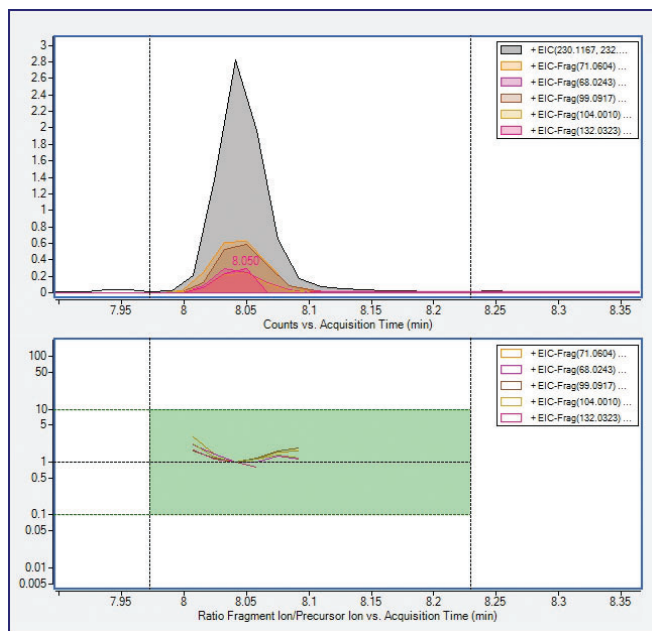


Figure 1. Extracted ion chromatograms (EICs) of the precursor and fragment ions show excellent agreement on the apex of the peaks (top); the Co-elution plot shows the point at 8.050 minutes where all ions elute (bottom). The analyst can use these tools to immediately determine the quality of compound identifications.

Key benefits

- Set up targeted compounds in a fraction of the time.
- Easily add new compounds to your targeted list.
- Increase productivity by using MassHunter tools to accelerate data review and reporting.

Ordering Info

These are the latest MassHunter software suites available for the TOF or Q-TOF.

HARDWARE

Description	Part Number
6200 Series TOF LC/MS	G6230BA
6500 Series Q-TOF LC/MS	G6530BA or G6540BA or G6550AA

SOFTWARE

Description	Part Number
MassHunter Workstation	G3336AA
Pesticides PCDL	G3878CA
Veterinary Drugs PCDL	G3879CA
Forensics Toxicology PCDL	G3876CA
METLIN Metabolite PCDL	G3874AA

www.agilent.com/chem/LCMS

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© Agilent Technologies, Inc. 2013
Published in the USA, April 23, 2013
5991-2191EN

