## Screen samples quickly and easily using pretested methods and a Pesticide Accurate Mass Database and Library

Conventional multi-target pesticide screening methods are based upon triple quadrupole technology. However, these methods are limited to target compounds, and do not allow a retrospective analysis of collected data.

Packaging sensitive, high-performance TOF and Q-TOF instruments with Pesticide LC/MS Application Kits overcomes this limitation. Each user-friendly Application Kit combines pretested analysis methods with powerful software tools that, together, simplify the setup of screening applications. This enables even high-volume labs to perform truly comprehensive screening for large numbers of both target and non-target compounds.

## Capture all the data, all the time

Using TOF and Q-TOF technology for your pesticides screening allows you to retain all spectral data, not just your original range of interest. That means you can refer back to your data anytime — without reruns — to investigate samples further.

### The following components are included — saving you time and money:

- Agilent 1600-pesticide Accurate Mass Personal Compound Database (PCD) or Accurate Mass MS/MS Personal Compound Database and Library (PCDL) with Accurate Mass MS/MS spectra for more than 700 pesticides

- Comprehensive pesticide test mix with more than 250 pesticides

- Agilent LC columns ideally suited for Rapid Resolution Liquid Chromatography (RRLC) and Ultra High Pressure Liquid Chromatography (UHPLC) methods

- Quick-start guide and Application Note that show you how to run the test mixes and create screening methods

- CD-ROM with examples of easy-to-use screening methods, data files, and reports that demonstrate method setup and adaptation

- On site application-based training to assist with method setup for quick and effective startup

Customize to get you on the *FAST TRACK*

**Agilent Technologies**

## Leading-edge technologies deliver speed, sensitivity, and powerful data mining tools that make broad screening accessible to your lab

A more than 1600-pesticide PCD or PCDL and Agilent MassHunter Data Acquisition and Analysis software let you quickly implement high quality screening methods, which can be modified to meet your future needs.

Industry-leading RRLC and UHPLC separations that enhance your results and productivity.

Agilent's Jet Stream Electrospray Ion Source lowers detection levels of pesticides in complex matrices.

Best-in-class MS and MS/MS mass accuracy: our TOF and Q-TOF Full Scan capability lets you access all the data, all the time, opening up endless possibilities for screening multiple analytes and non-target compounds.

**Put your lab on the productivity fast track.**

Contact your local Agilent Representative or Agilent Authorized Distributor

Call **800-227-9770** (in the U.S. or Canada) or visit **www.agilent.com/chem/appkits**

## Pre-developed examples help you start screening for pesticides in a fraction of the time

To demonstrate its functionality, Agilent's TOF and Q-TOF Pesticide Application Kits include a comprehensive pesticide test mix for both positive and negative ion modes. A general pesticide screening method example is also provided.
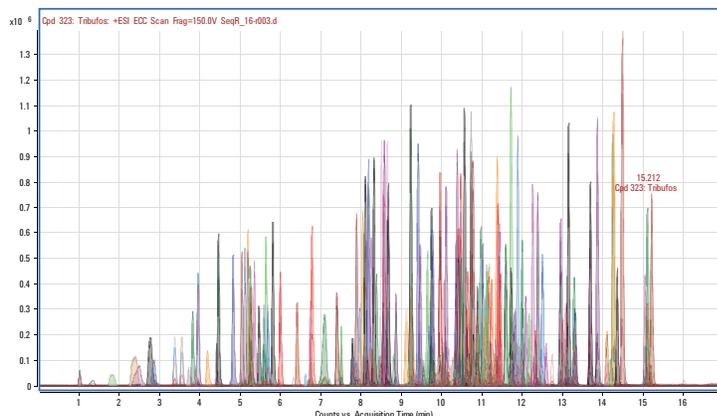


Here you see an extracted chromatogram of 200 pesticides using the Agilent 1200 Series SL LC with the Agilent 6230 TOF.



Agilent's **Pesticide PCD and PCDL** ensure fast, customized method development.

### Ordering information:

Agilent's TOF and Q-TOF LC/MS Pesticide Application Kits:

- Pesticide PCD Kit for TOF or Q-TOF (G6854AA)
- Pesticide PCDL Kit for Q-TOF (G3878AA)

The following are required but not included with the G6854AA or G3878AA kits:

- Agilent 1200 Series RRLC System or Agilent 1290 Infinity LC
- Agilent 6200 Series TOF or 6500 Series Q-TOF LC/MS system
- Agilent MassHunter Software B.05 or higher and Windows 7 64-Bit
- Agilent MassHunter Qualitative Analysis Software B.05 or higher
- Agilent MassHunter Quantitative Analysis Software B.05.02 or higher

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