Thermo Scientific Dionex Chromeleon 7.2 Chromatography Data System

Designed for MS

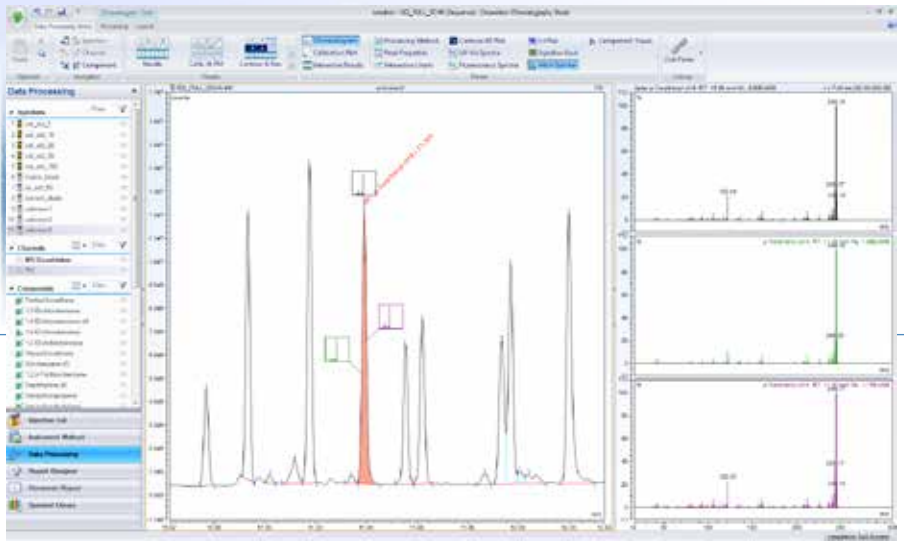
Product Spotlight

Thermo Scientific™ Dionex™ Chromeleon™ 7.2 Chromatography Data System (CDS) is the first CDS that supports Mass Spectrometry (MS) instrument control and data processing with all main front-end separation techniques (GC, IC, LC) in an enterprise (client/server) environment. Chromeleon 7.2 CDS delivers full control with native drivers for the Thermo Scientific™ ISQ™ Single Quadrupole GC-MS system and Thermo Scientific™ TSQ™ 8000 Triple Quadrupole GC-MS/MS system, including tuning and instrument calibration.

Thermo Scientific ISQ GC-MS system

Thermo Scientific TSQ 8000 GC-MS system

Chromeleon 7.2 CDS contains the necessary MS-specific data views, data processing, and reporting capabilities to streamline your chromatography and MS quantitation workflows in one application:



New display of the Total Ion Chromatogram (TIC) and Mass Spectra.

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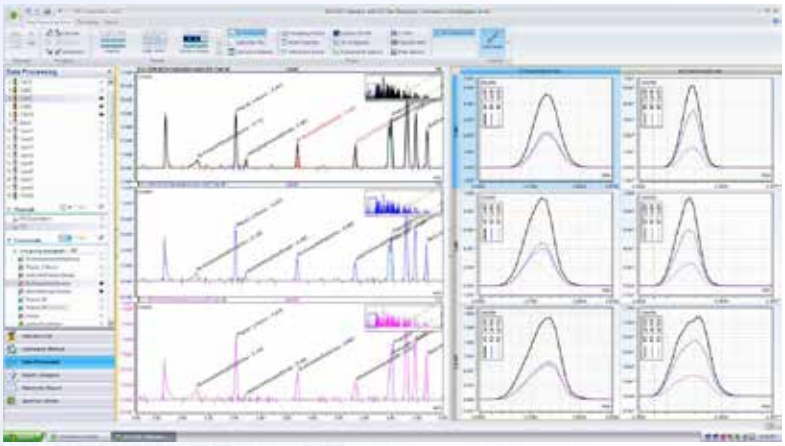
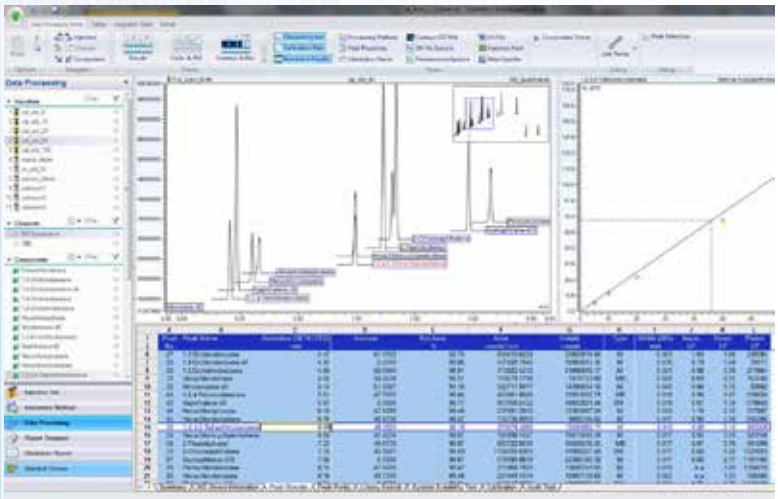
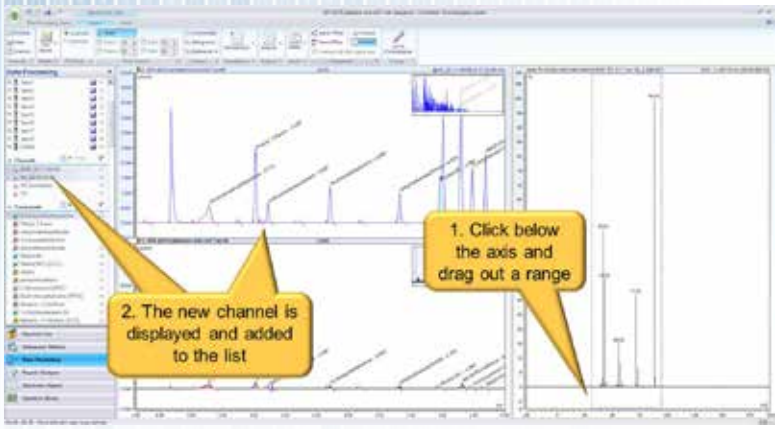


New component-centric views with simultaneous visualization of both quantitation and confirmation ions (injections in rows, components in columns)



New MS Quantitation channel providing an overlaid view of all Extracted Ion Chromatograms (EICs) with simple manual extractions of EICs

MS Quantitation channel.



Graphic creation of EIC.

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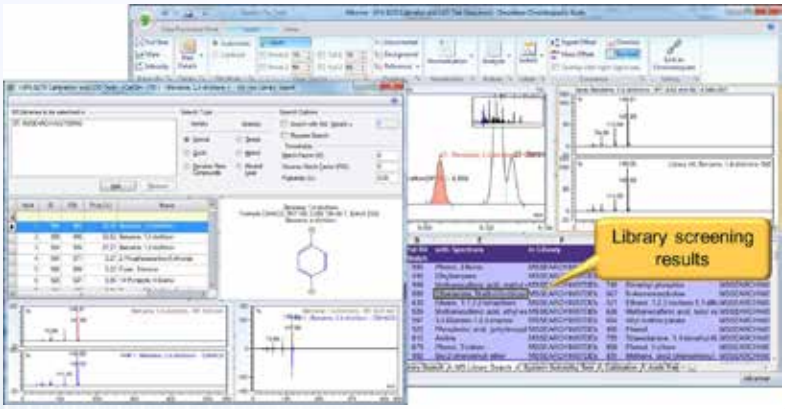
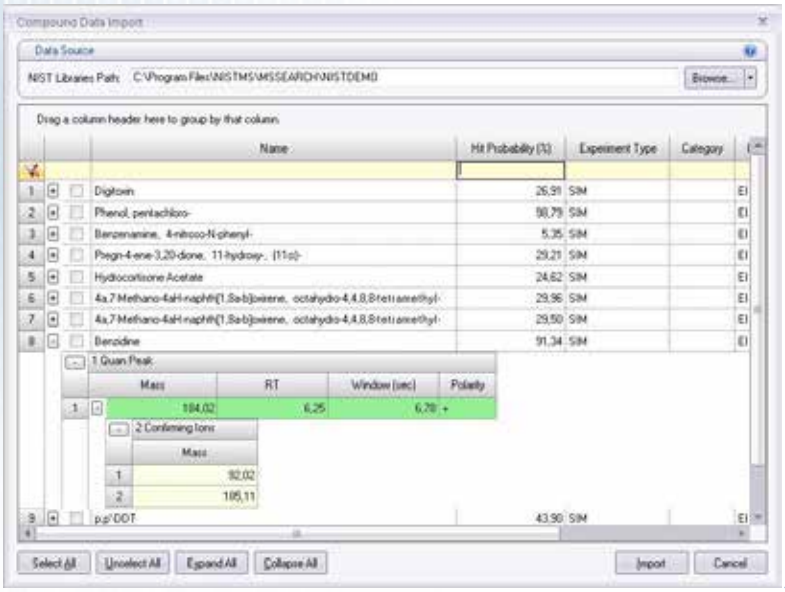


Use NIST libraries for spectral library screening and ad-hoc library searches. Also, directly import from predefined compound databases (e.g. Thermo Scientific™ TraceFinder™ software) and NIST library searches into your component tables

NIST Library searching.



Compound data import.

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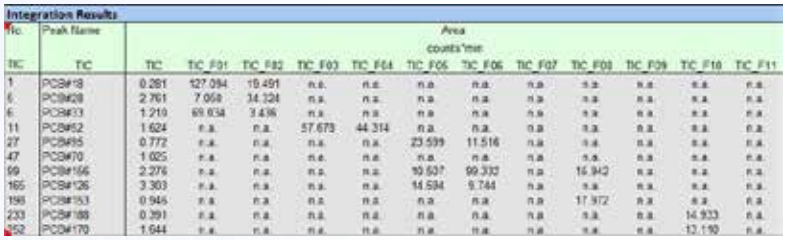

Integration Results

No.	Peak Name	Area counts*min											
TIC	TIC	TIC	TIC_F01	TIC_F02	TIC_F03	TIC_F04	TIC_F05	TIC_F06	TIC_F07	TIC_F08	TIC_F09	TIC_F10	TIC_F11
1	PCB#18	0.281	127.094	19.491	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5	PCB#28	2.761	7.068	34.324	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6	PCB#33	1.210	69.034	3.496	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11	PCB#52	1.624	n.a.	n.a.	57.678	44.314	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
27	PCB#95	0.772	n.a.	n.a.	n.a.	n.a.	23.599	11.516	n.a.	n.a.	n.a.	n.a.	n.a.
47	PCB#70	1.025	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
99	PCB#156	2.276	n.a.	n.a.	n.a.	n.a.	10.637	99.332	n.a.	16.942	n.a.	n.a.	n.a.
165	PCB#126	3.303	n.a.	n.a.	n.a.	n.a.	14.594	9.744	n.a.	n.a.	n.a.	n.a.	n.a.
198	PCB#153	0.946	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	17.372	n.a.	n.a.	n.a.
233	PCB#188	0.391	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	14.933	n.a.
252	PCB#170	1.644	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	13.110	n.a.

New MS-based reporting objects and consolidated report tables catering for multiple traces and large data sets, allow users to quickly and easily evaluation and report MS data.

Integration table setup for all channels.

No.	Peak Name	Area counts*min	Area counts*min	Channel
TIC	TIC	TIC	Highest Response	Highest Response
1	PCB#18	0.281	127.094	TIC_F01
5	PCB#28	2.761	34.324	TIC_F02
6	PCB#33	1.210	69.034	TIC_F01
11	PCB#52	1.624	57.678	TIC_F03
27	PCB#95	0.772	11.516	TIC_F06
47	PCB#70	1.025	1.025	TIC
99	PCB#156	2.276	99.332	TIC_F06
165	PCB#126	3.303	14.594	TIC_F05
198	PCB#153	0.946	0.946	TIC
233	PCB#188	0.391	14.933	TIC_F10
252	PCB#170	1.644	13.110	TIC_F10

Integration table setup for highest response channels.

The Chromeleon 7.2 CDS enterprise support for MS gives you the ability to control, process and report MS data from remote PC's or even from another building, another site, or even in another country! The sharing of data has never been so easy!

For more information, visit thermoscientific.com/chromeleon

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