Why Move Analytical Data Processing to the Browser?

Browser-based applications have unique advantages when compared to desktop software, including:

• accessibility from any computer
• elimination of software installations or updates for users
• minimal CPU requirements

For scientists and their organizations, the flexibility of a browser-based analytical data processing application reduces the barrier to obtaining results and allows for more effective remote and hybrid work.

Realizing Browser-Based Analytical Data Processing

Spectrus JS is the first browser-based analytical data processing application that supports vendor-neutral LC/UV/MS and GC/MS (xC/UV/MS) data processing.

What Can You Do with Spectrus JS?

• Import and process xC/UV/MS and NMR data from most major instrument vendors
• Assemble data into configurable reports with a single click
  • Reports automatically update to reflect subsequent processing
• View the full audit trail of processing history
• Option to connect to databases:
  • Read and edit records stored in ACD/Labs databases
  • Read records from third-party and in-house databases (requires a separate query tool)
• Predict 1D and 2D NMR spectra

An Intuitive Interface for Processing xC/UV/MS and NMR Data

Display chromatograms (TIC, DAD) alongside spectral windows for mass and UV spectra

Detect, integrate, and assign peaks manually or automatically

Create one-click dynamic reports

Import or draw chemical structures and make assignments

Designed to Streamline Workflows for Analytical Teams

Raw and processed data can be stored in databases for retrieval

Instruments and other data sources are scanned to automatically transfer data to databases.

Security systems built into the system architecture ensure data accuracy without compromising performance

Users access Spectrus JS’s interface from browsers where they can also upload data manually

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