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Advanced Chemistry Development, Inc., Delivers Hyphenated Data Support and Visualization with the Release of Version 8.0

Toronto, Ontario, March 8, 2004 Advanced Chemistry Development, Inc., (ACD/Labs) announces the version 8.0 release of ACD/SpecManager, the overall spectroscopic processing and analytical data management system that includes a flexible new module for visualizing and supporting hyphenated data. Designed to deal with complex chromatographic data such as HPLC and other hyphenated techniques, ACD/Labs Hyphenated Data Support module branches across the processor modules of every analytical technique available under the ACD/SpecManager platform, including NMR, MS, UV/Vis, IR, Raman, Chromatography, and other experimental curves.

ACD/Labs Hyphenated Data Support module allows users to visualize hyphenated data from various file formats in three-dimensions so that a wide, overall perspective can be established. Users can examine data from different points of view using four possible display layouts that incorporate the contour map, dual plots, or a combination of both in different orientations. Multiple curves in the spectral or chromatographic domain can be overlaid to visually assess peak purity by spectral similarity. The module contains several import filters to enable the import of data from commonly used instrumental and generic formats, including Agilent ChemStation, Waters® MassLynx™ and Empower™, Dionex Chromeleon®, MATLAB® Eigenvector DSO, NetCDF, and ACD/Labs own ASCII file formats. Export filters also currently exist for MATLAB Eigenvector DSO and ACD/Labs ASCII formats.

The interface of ACD/Labs' Hyphenated Data Support module makes it easy for users to extract useful information from their data. The color scheme and gradient in the contour map can be customized to indicate intensity or concentration levels, revealing important quantitative information about a data set. Special curve plots, such as slices of spectra or single wavelength chromatograms, can be extracted from the spectral or chromatographic domains, and sent to the corresponding processor module for further analysis and storage. Because hyphenated data generally combines two different techniques, ACD/Labs Hyphenated Data Support module also makes it possible to push raw data belonging to the core constituent techniques to their respective processors. Data from the Hyphenated Data Support module can also be saved in ESP file format for later retrieval using ACD/SpecManager.

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