23.0331

Clarity™

ADVANCED CHROMATOGRAPHY SOFTWARE

PDA – PHOTO DIODE ARRAY

CLARITY EXTENSION

DataApex

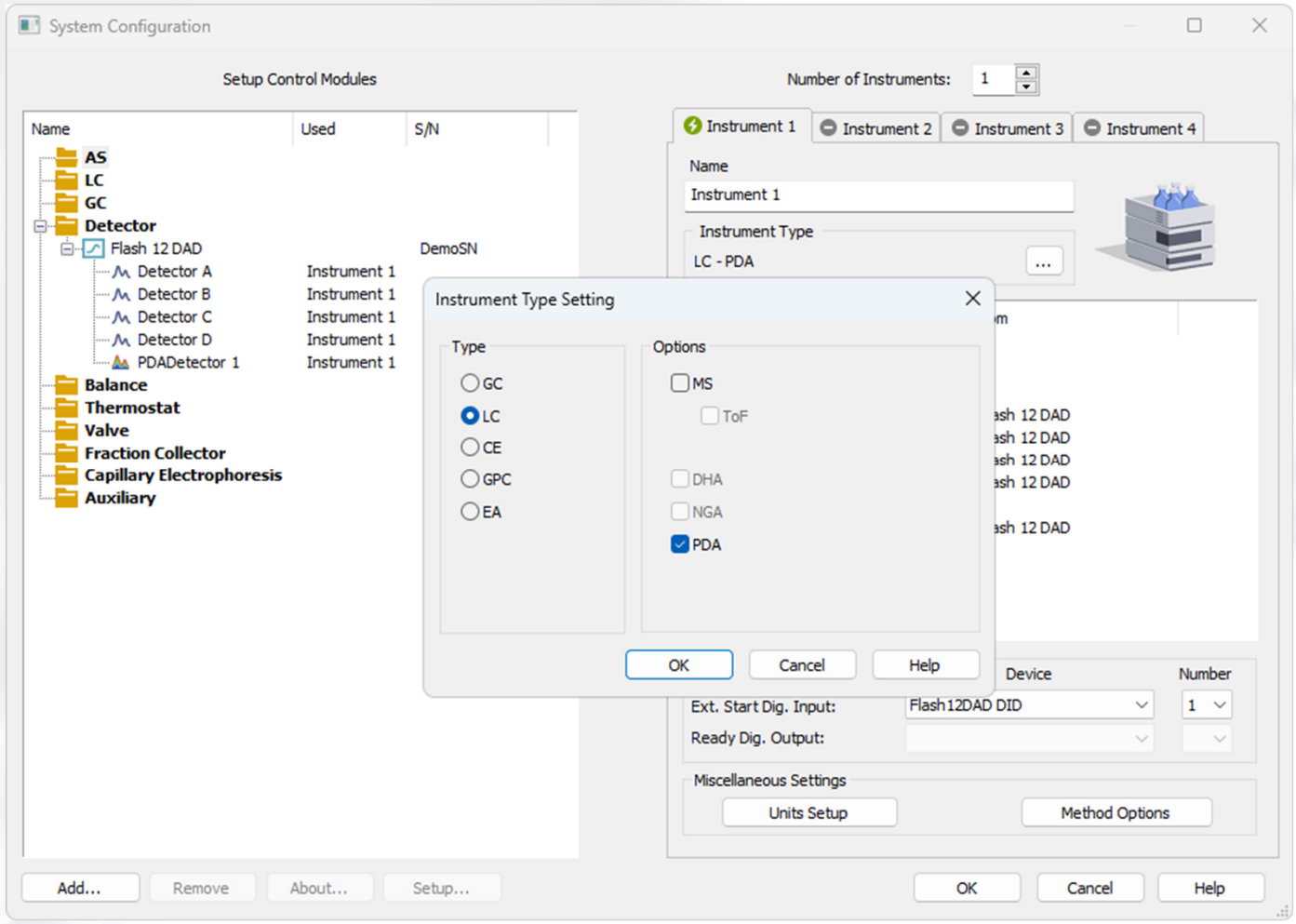
PDA EXTENSION

OVERVIEW

- Spectral data acquisition from selected detectors
- Import and export of spectral data in text format
- Isoplot and 3D plot for spectral data evaluation
- Peak purity evaluation
- Spectral library and spectral library search

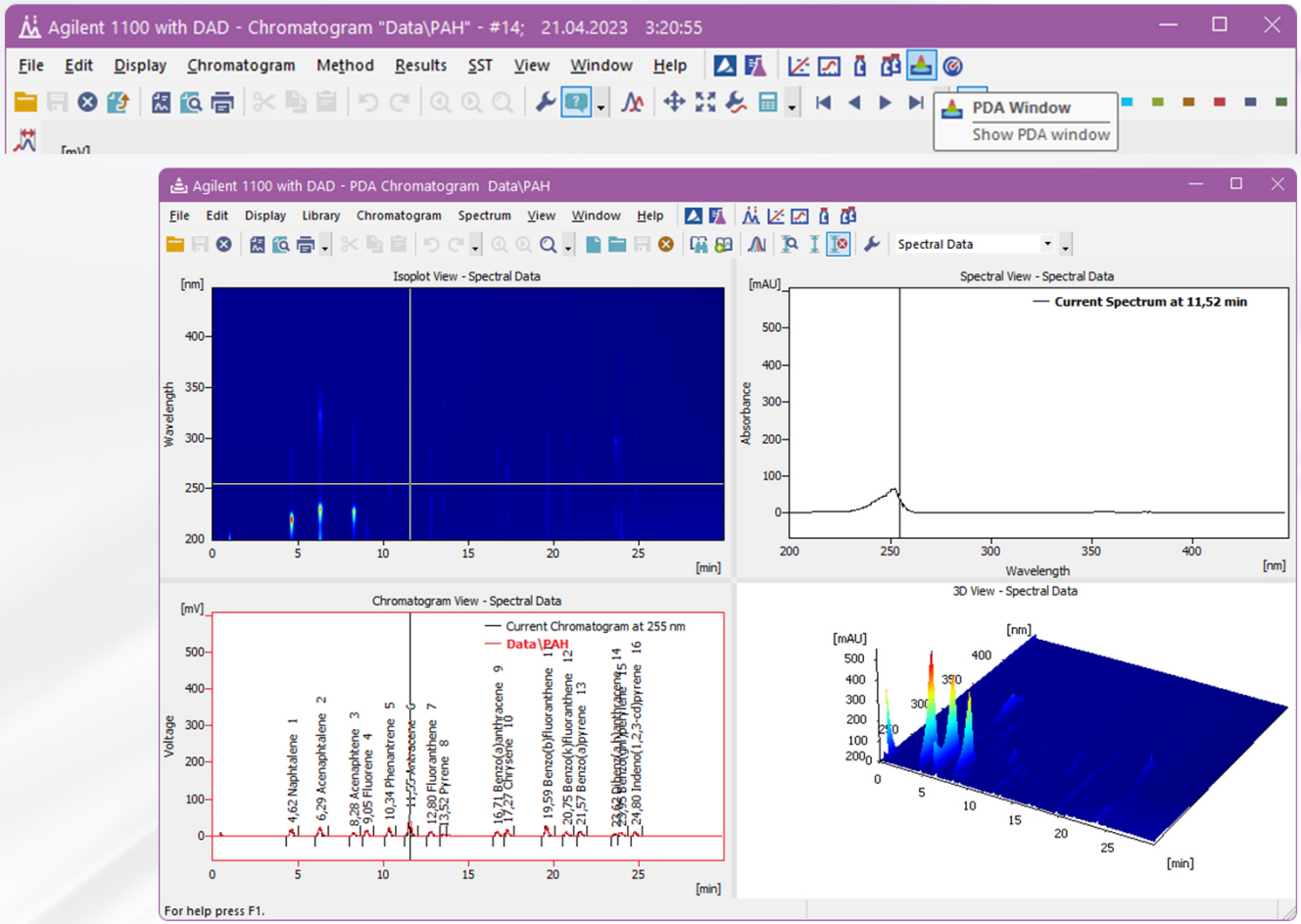
https://www.dataapex.com/product/extensions-pda

SYSTEM CONFIGURATION

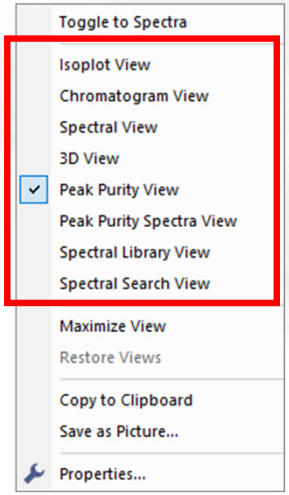


- PDA option is configured in the System Configuration window
- PDA can be enabled on a station where p/n A29 is purchased

PDA WINDOW



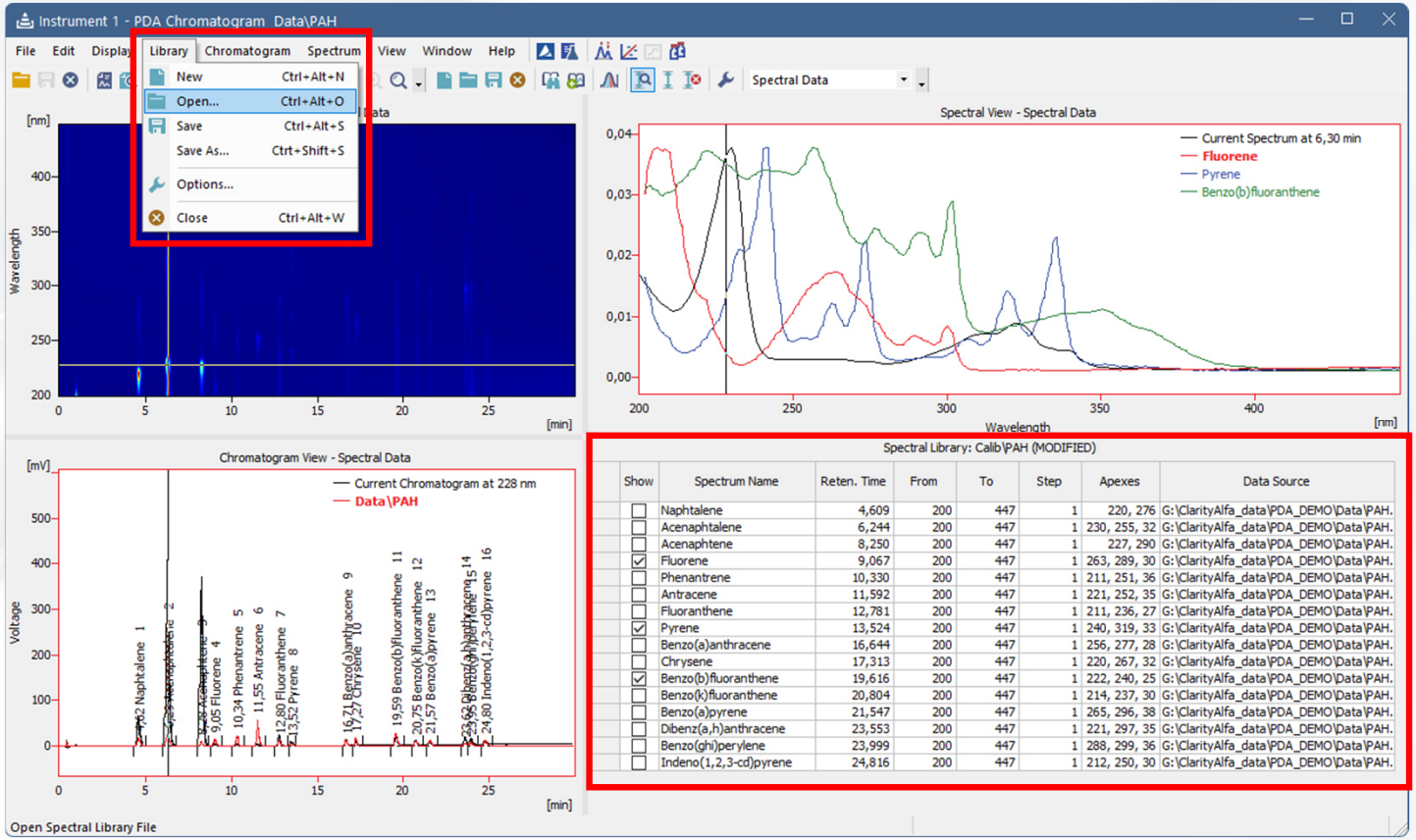
- PDA window is accessible from the Chromatogram window
- 8 different views could be selected in the 4 panes



PDA WINDOW

SPECTRAL LIBRARY

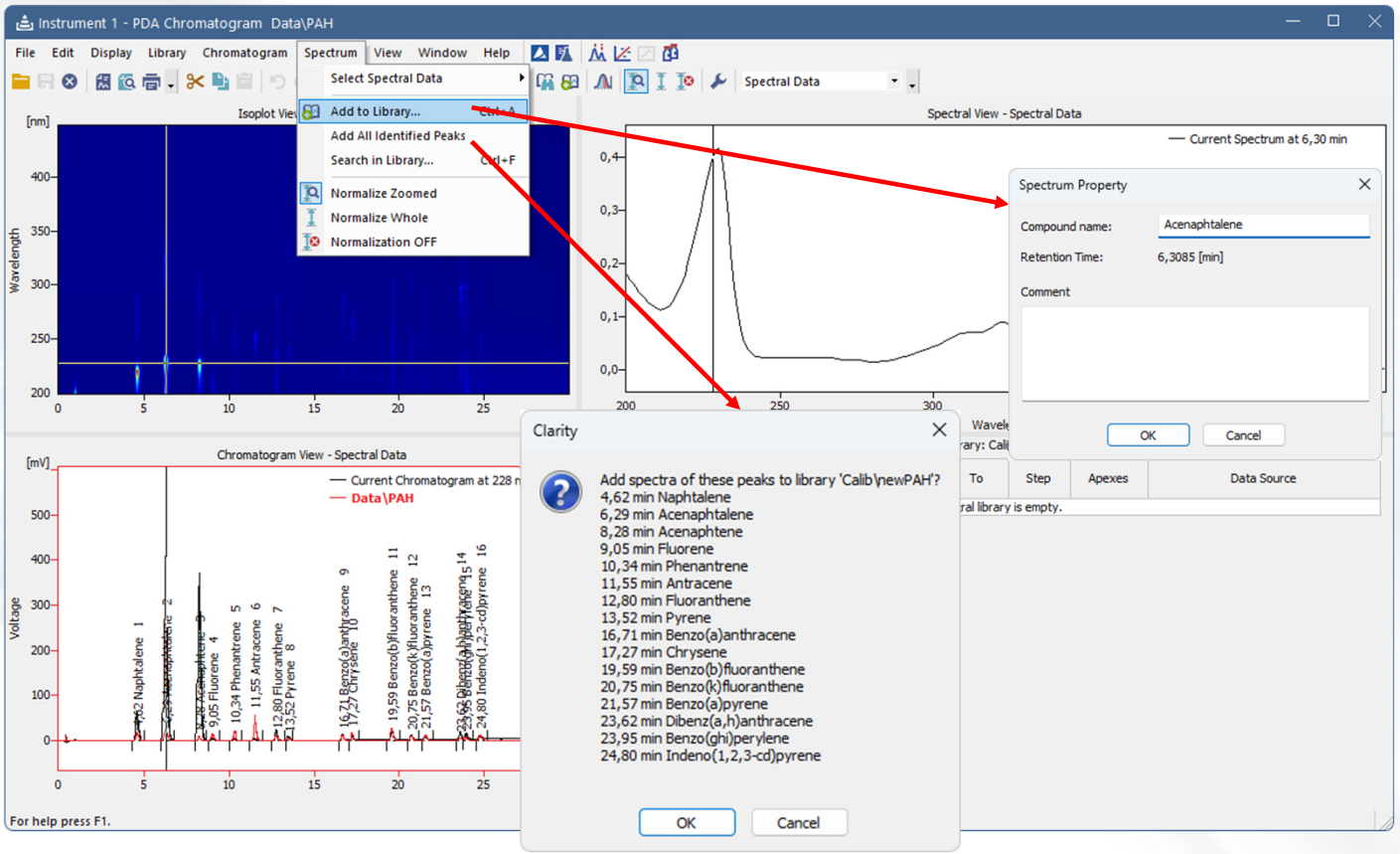
- Library menu allows you to open or create a new Spectral library.
- By default, the Library is stored in the Calib subdirectory of the current Project
- Spectral Library pane display details for the spectra in library and allows to display them in Spectral View



PDA WINDOW

SPECTRAL LIBRARY

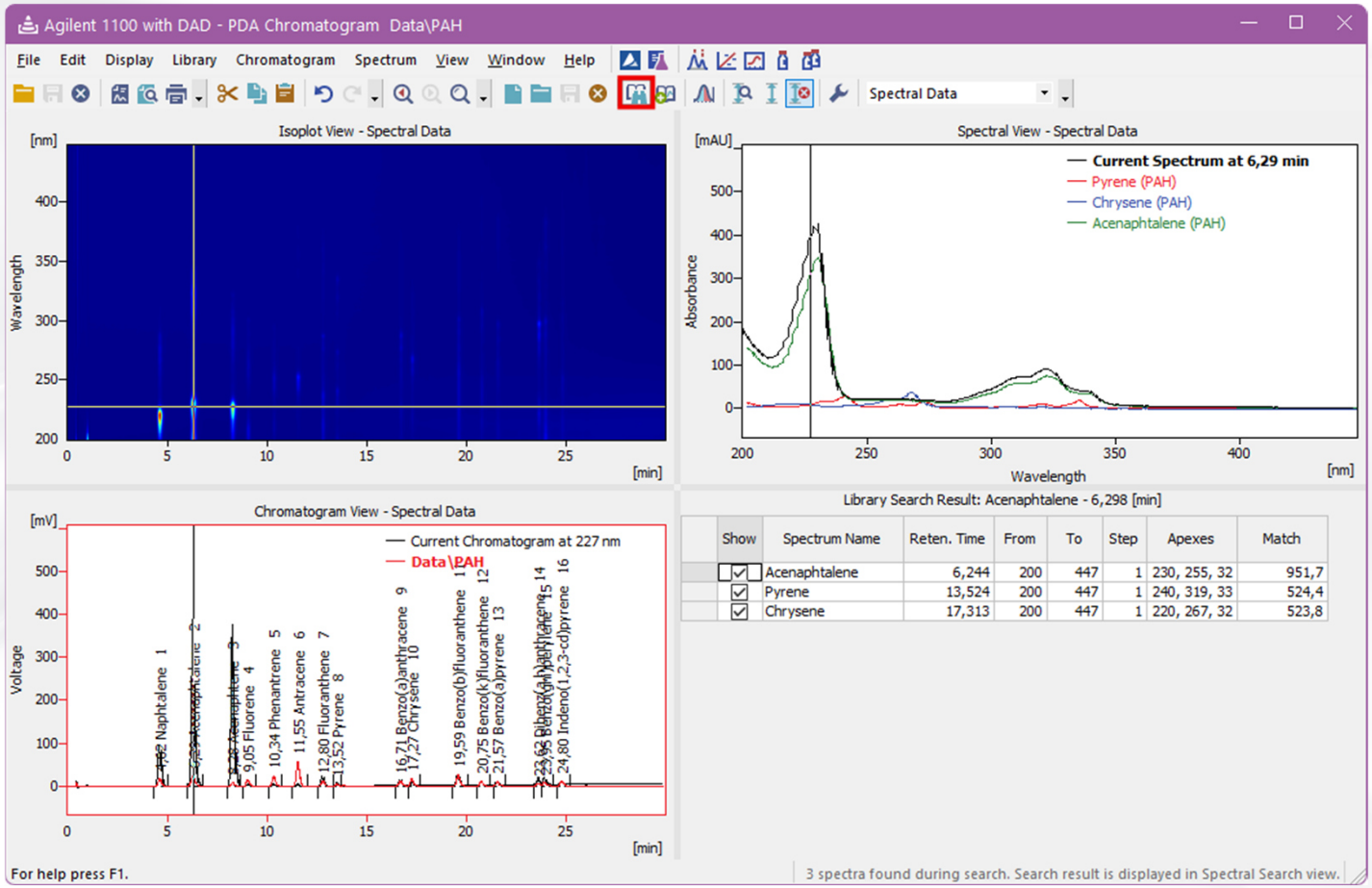
- Spectra to the library could be added individually using the Add to Library... command
- Multiple spectra could be added from a chromatogram with identified peaks using the Add All Identified Peaks command



PDA VIEW

SPECTRUM SEARCH

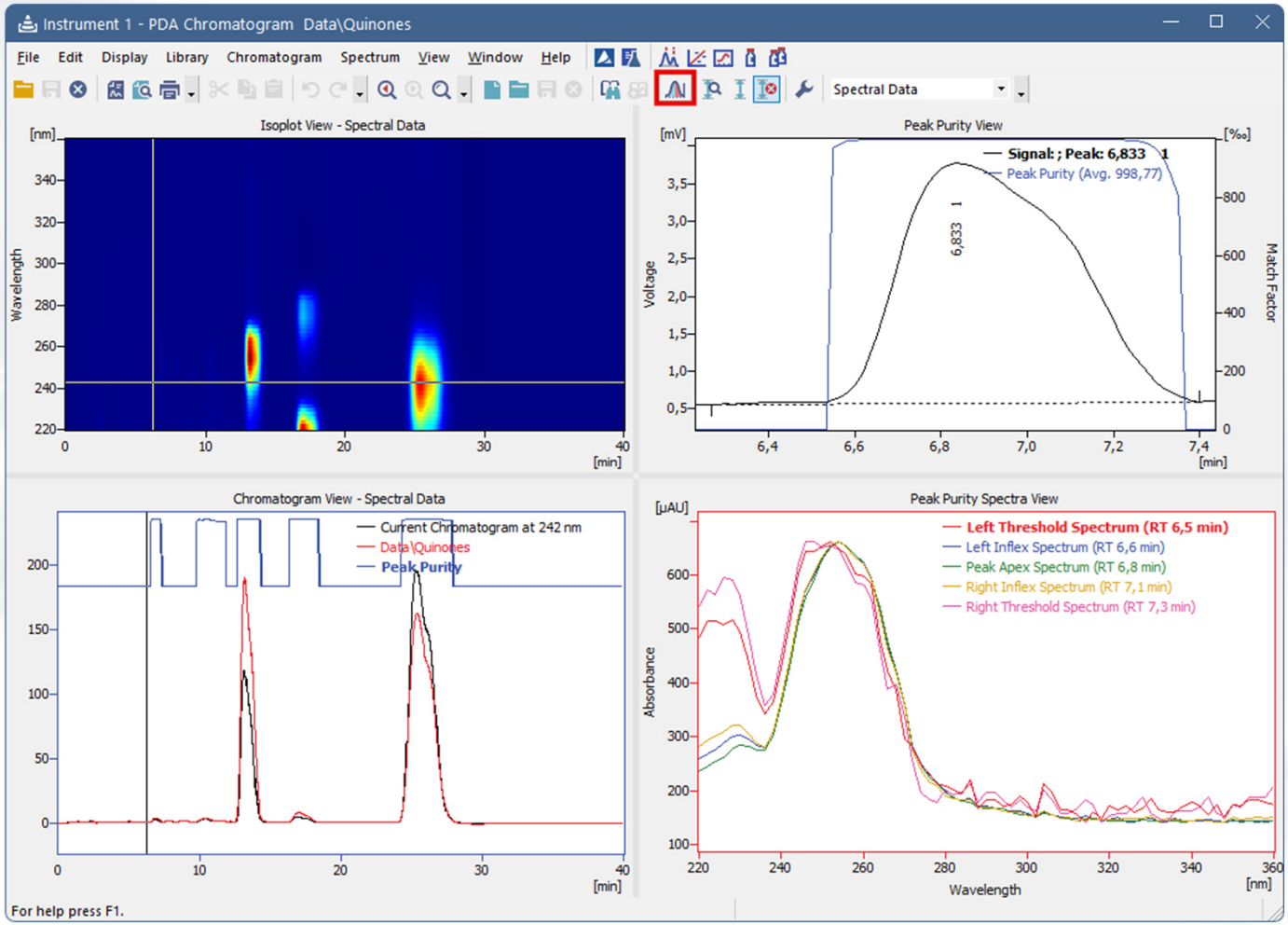
- Library search results are displayed as an overlay in Spectral View or as a table in Library Search Result



PDA VIEW

PEAK PURITY

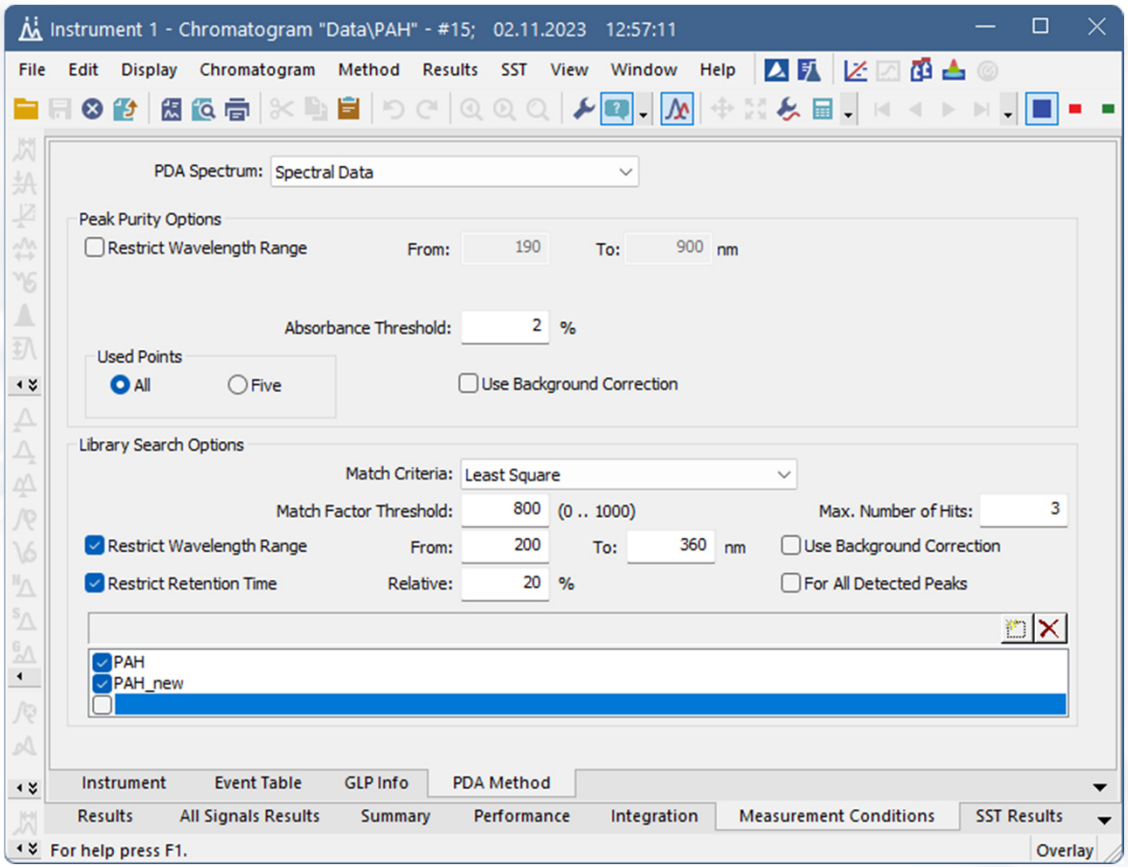
- View peak purity for entire chromatogram or a single peak
- Spectra for peak start, end, inflection and apex are compared in the Peak Purity Spectra View



PDA METHOD

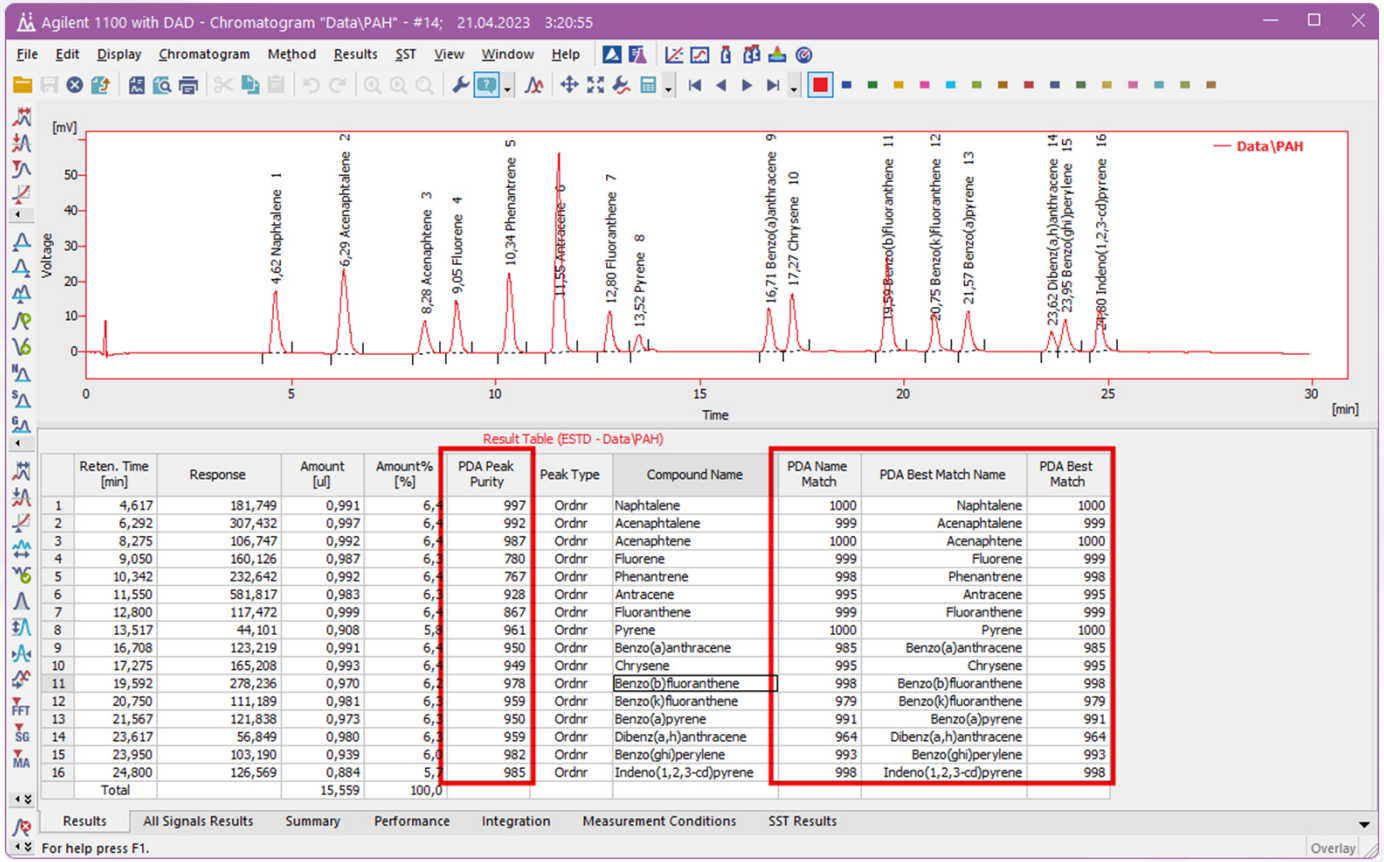
MEASUREMENT CONDITIONS

- Peak Purity and Library Search Options are set on the PDA Method tab
- Multiple PDA libraries could be set in the method

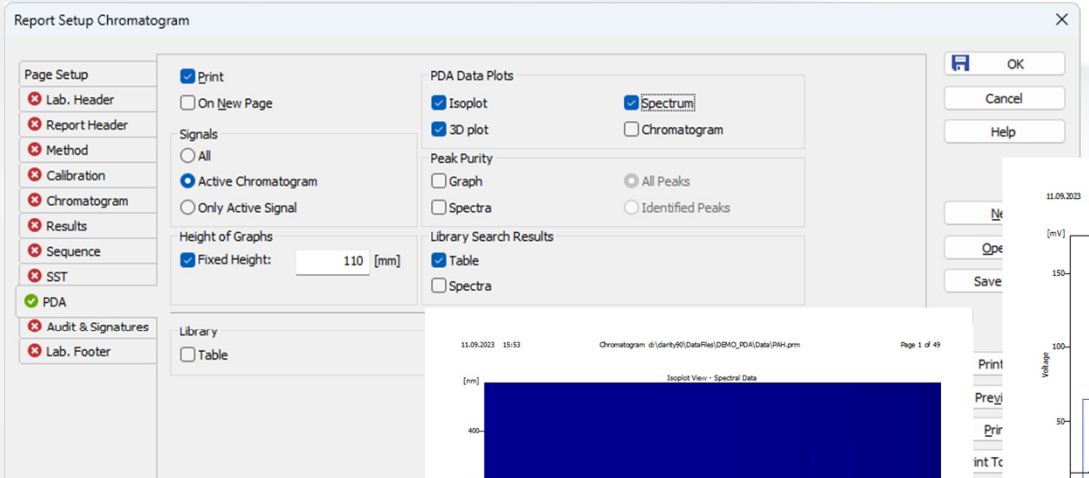


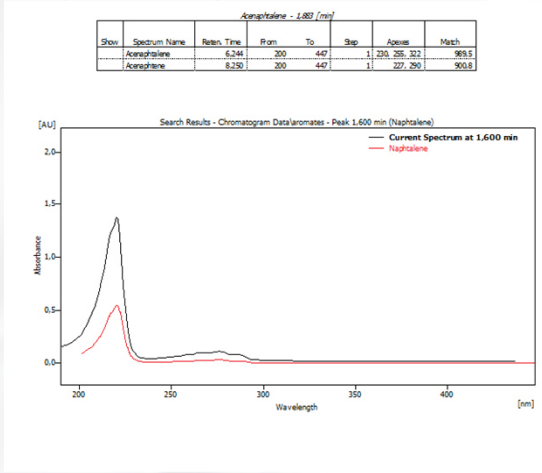
PDA RESULTS

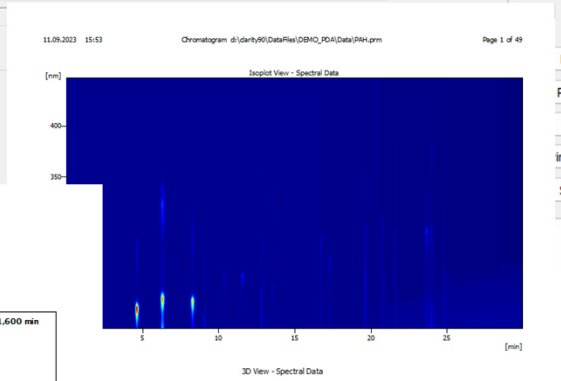
- Library search results are displayed as an overlay in Spectral View or as a table in Library Search Result
- PDA Name Match belongs to the compound identified by the calibration found in the first PDA library
- PDA Best Match Name and PDA Best Match are based on all PDA libraries set in the PDA Method

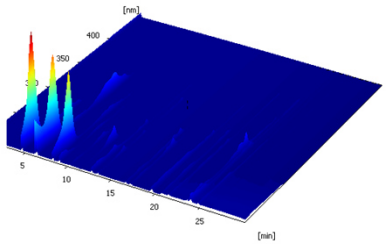


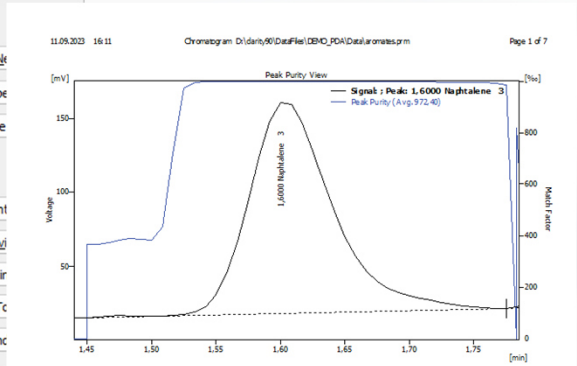
PDA REPORT

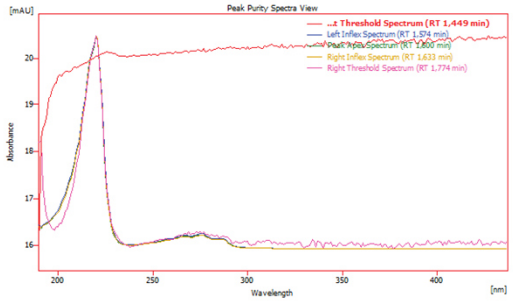








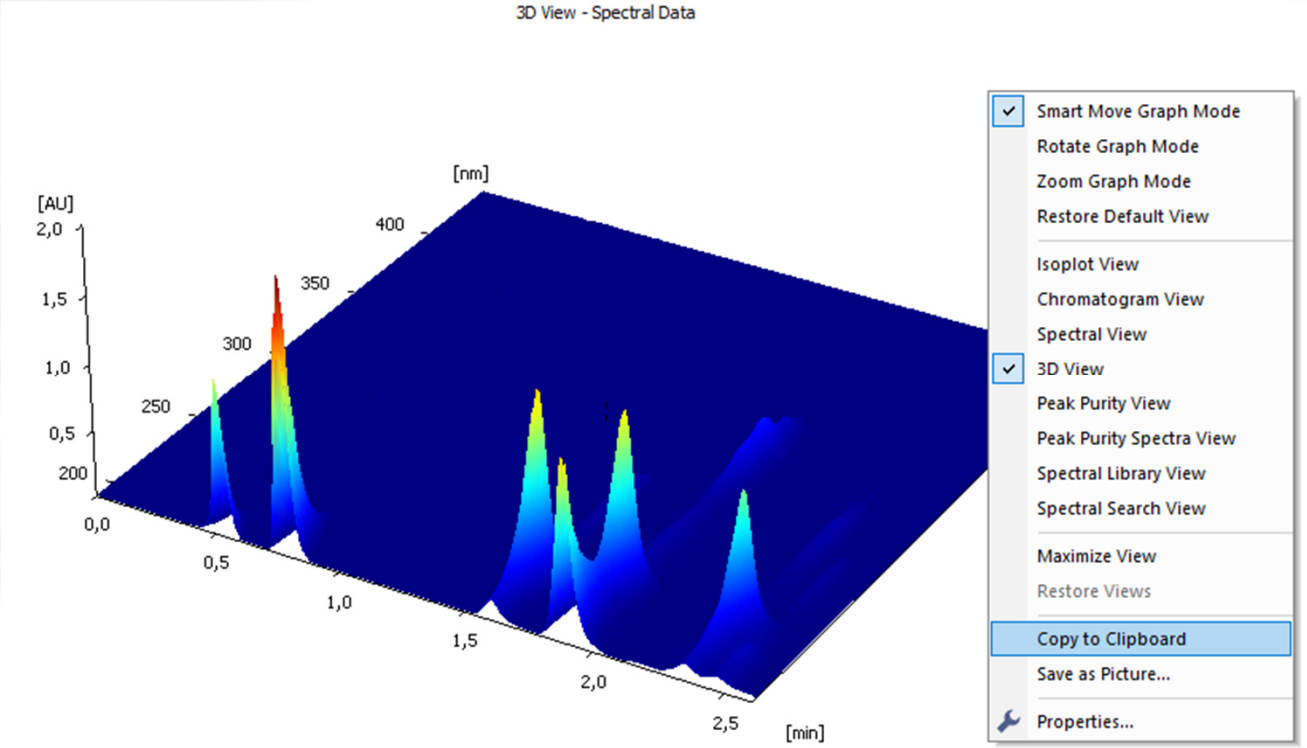




- Customize PDA Report to display desired results

EXPORT OF GRAPHS

- Export graphs into clipboard or save them as a picture (*.emf)



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THANK YOU FOR YOUR ATTENTION