



Clarity 8.5

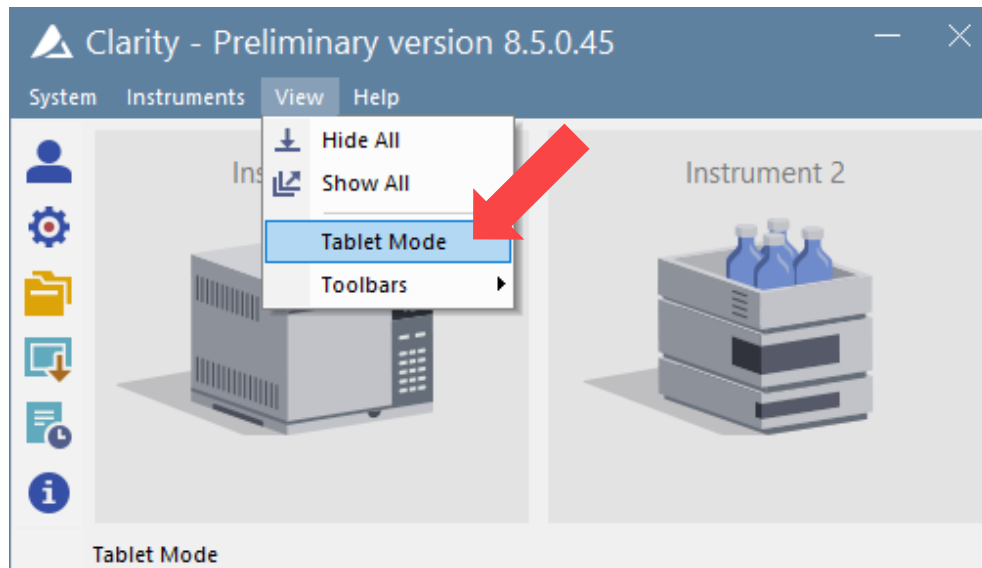
WHAT'S NEW

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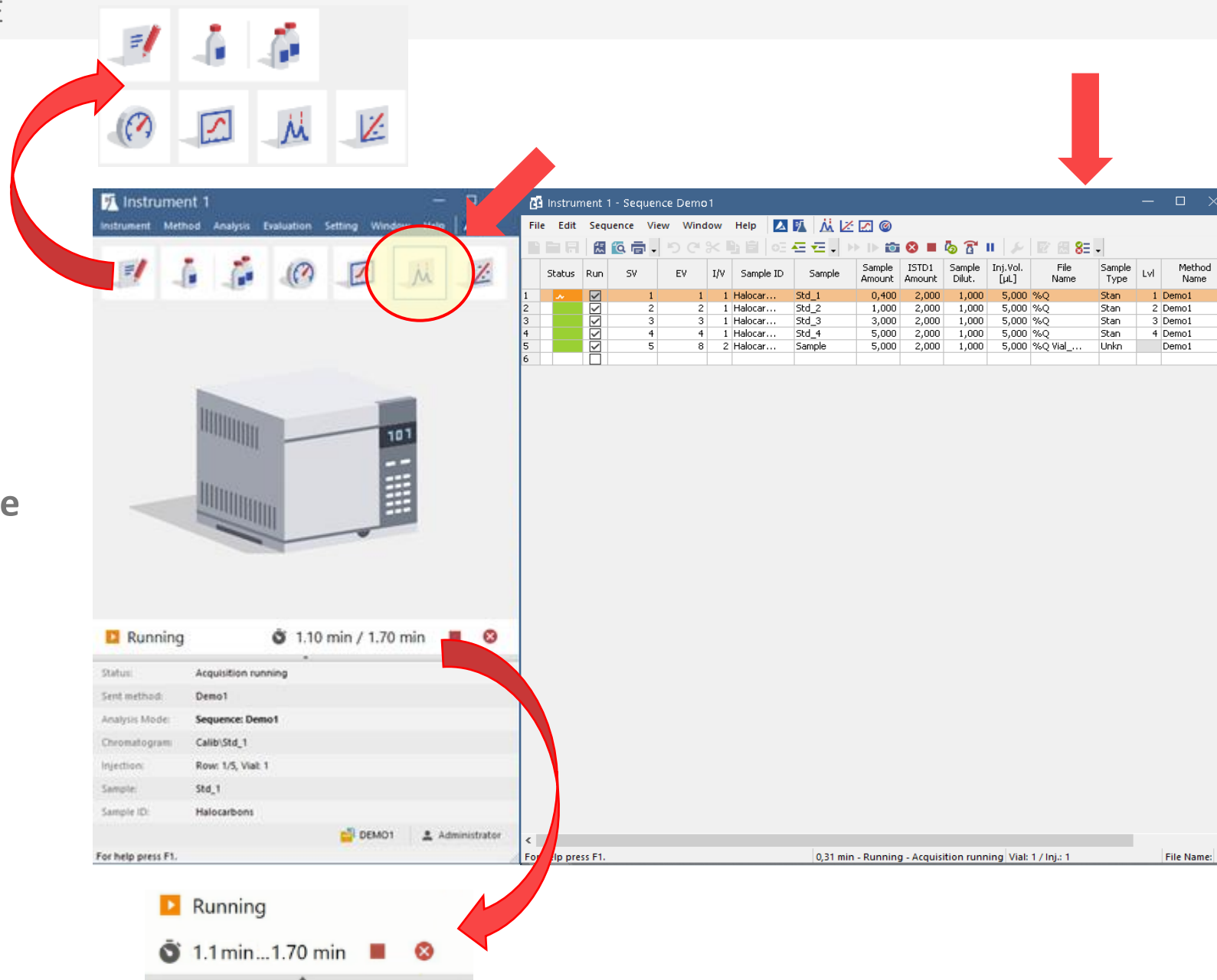
What is new in Clarity 8.5?

- **Tablet Mode**
- **Mathematical Operations dialog can be opened and if any action is applied, the overlay mode is turned on automatically**
- **Chromatogram opened outside of current project is opened only with stored calibration**
- **Some options can be now added or amended before AIA file import**
- **A lot of other small improvements and fixed bugs**
- **New and updated control modules**



- **Tablet Mode** is a specific windows layout for tablet size monitors.
- Simulates **one window application**.
- Is switched ON/OFF from **View menu**.
- Enables **general scale** up to **200%**.

- ⇒ Windows do not overlay.
- ⇒ Instrument window is on the left side, other windows on the right side of the monitor.
- ⇒ All windows remain fully **resizable and customizable**.
- ⇒ **Active** window is **highlighted**.
- ⇒ **Process icon** and **Status bar** may be in **two lines** at higher scale.





WHAT'S NEW → CHROMATOGRAM

The screenshot shows the chromatogram software interface. A red arrow points to the 'Overlay on/off' button in the toolbar. The 'Mathematical Operations' dialog box is open, showing the 'Copy' operation selected. The 'Result Table' is also visible, showing peak data.

Reten. Time [min]	Area [mV.s]	Height [mV]
0,170	4004,496	96
0,503	2002,355	4
0,837	1001,154	2
1,170	500,585	1
1,503	250,278	1
Total	7758,869	17

- Mathematical operations **do not require Overlay mode to be on** before an action.
- Overlay mode is **turned on automatically**.

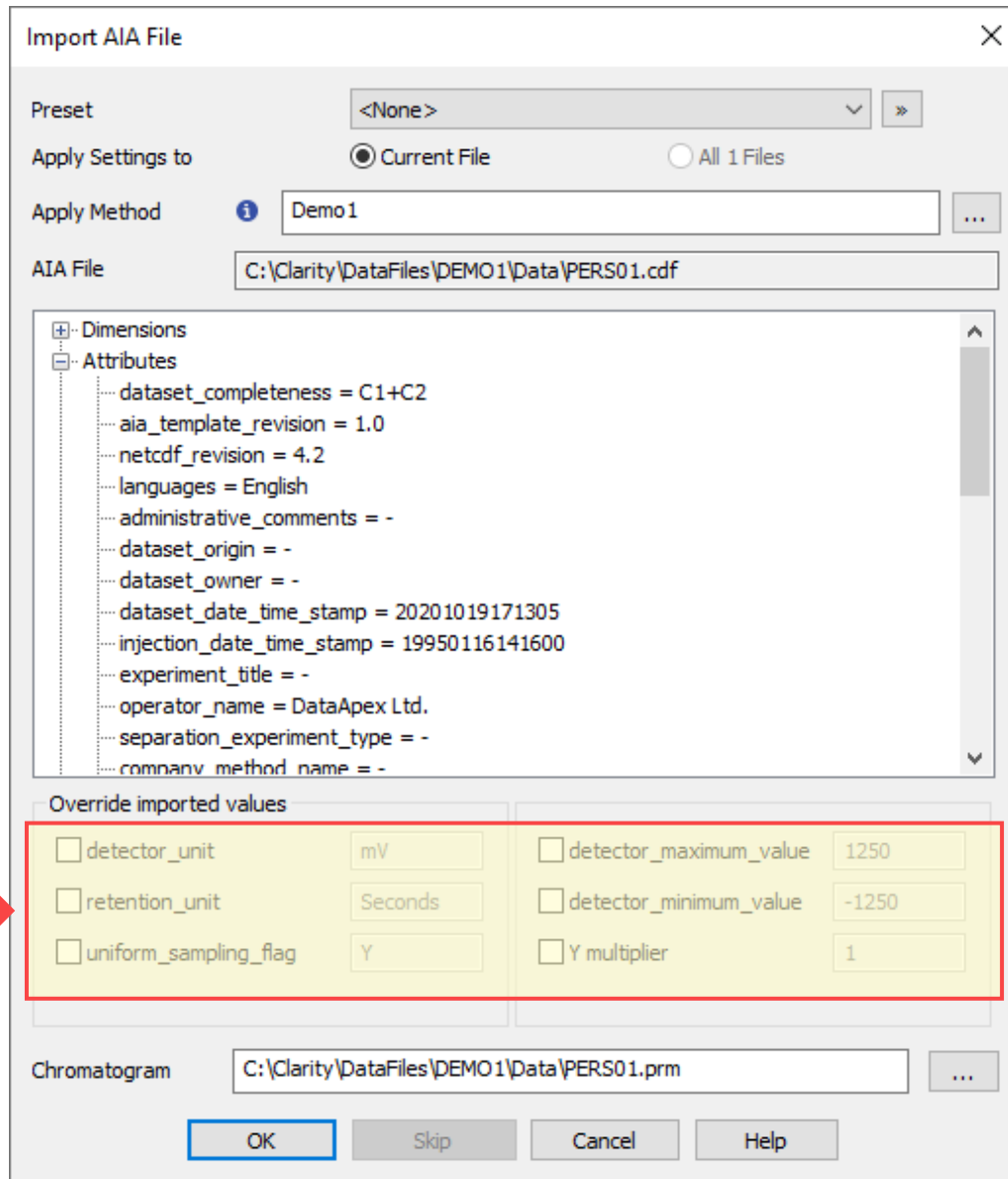


WHAT'S NEW → CHROMATOGRAM

➔ Chromatogram opened outside of current project is opened only with stored calibration.

The screenshot displays a chromatogram software interface. The top window shows a chromatogram plot with 'Voltage' on the y-axis (0 to 800 mV) and 'Time' on the x-axis (0 to 50 min). The plot shows a series of peaks labeled with retention times and compound names: 14.9 NAP, 19.7 ANA, 20.3 FLU, 22.2 PHE, 24.0 ANT, 25.9 FLU, 27.4 PYR, 28.9, 31.8 BAA, 32.8 CHR, 33.5, 35.5, 36.4 BBF, 37.3, 38.0 BRF, 39.0, 40.0 BAP, 41.2, 42.1, 42.6 DBA, 43.9, 45.9 BPE, and 47.4 IPY. A red arrow points to the peak at 22.2 min (PHE). Below the plot is a 'Result Table (ESTD - Data(Sample_1))' with columns for Reten. Time [min], Response, Amount [ng/mL], Amount% [%], Peak Type, and Compound Name. The table contains 23 rows of data and a 'Total' row. To the right of the table is a 'Common for All Signals' configuration panel. The 'Calibration File (Peak Table)' dropdown is set to 'PAH_EPA - STORED'. The 'Open with stored calibration' checkbox is checked. The 'Integration Algorithm' is set to 'ESTD'. The 'Report in Result Table' section has 'All Identified Peaks' selected. The 'Scale' section has 'Use Scale Factor' checked. The 'Units' section is set to 'ul'. The 'User Variables' section is also visible.

Reten. Time [min]	Response	Amount [ng/mL]	Amount% [%]	Peak Type	Compound Name	
1	14.917	838.923	21.273	0.2	Ordnr	NAP
2	19.733	925.572	96.436	1.1	Ordnr	ANA
3	20.317	2566.510	95.605	1.1	Ordnr	FLU
4	22.183	10189.895	852.394	9.8	Ordnr	PHE
5	23.983	10257.120	249.445	2.9	Ordnr	ANT
6	25.883	21471.337	4056.423	46.5	Ordnr	FLT
7	27.450	18195.780	1348.808	15.4	Ordnr	PYR
9	31.783	14457.224	530.212	6.1	Ordnr	BAA
10	32.817	3921.681	279.943	3.2	Ordnr	CHR
13	36.350	4853.422	386.918	4.4	Ordnr	BBF
15	37.983	11603.842	170.242	1.9	Ordnr	BRF
17	40.050	15791.704	359.031	4.1	Ordnr	BAP
20	42.567	271.385	26.282	0.3	Ordnr	DBA
22	45.917	2708.349	164.622	1.9	Ordnr	BPE
23	47.400	306.252	93.292	1.1	Ordnr	IPY
Total		8740.923	100.0			



⇒ Some more options can be added or amended before AIA file import:

- detector_unit
- retention_unit
- uniform_sampling_flag
- detector_maximum_value
- detector_minimum_value
- Y multiplier



- Agilent ICF libraries have been updated to version 3.0
- Single Analysis window is now resizable
- System Configuration window is now resizable
- A new option for command line parameter `Enable_asserts =2`
- Many other small improvements and fixed bugs

New control modules

- Runge Mikron 81
- Runge Mikron 31
- Separflow FC fraction collector
- Young In Chromass YCChroZen AS
- Young In Chromass YCChroZen Column
- Young In Chromass YCChroZen Pump
- Young In Chromass YCChroZen PDA
- Young In Chromass YCChroZen UVD

... and many control modules have been updated and improved





...THANK YOU FOR YOUR TIME



SUPPORT@DATAAPEX.COM
WWW.DATAAPEX.COM