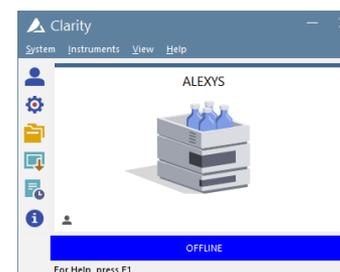
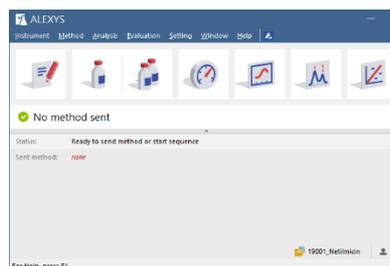
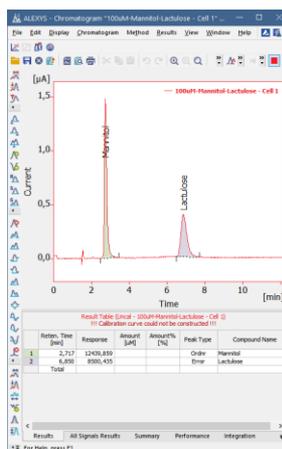


Clarity

Chromatography software
from DataApex



Clarity

Chromatography software

- ▶ **Control**
 - ALEXYS instrument settings
- ▶ **Data processing**
 - Peak identification
 - Calibration
 - Reporting

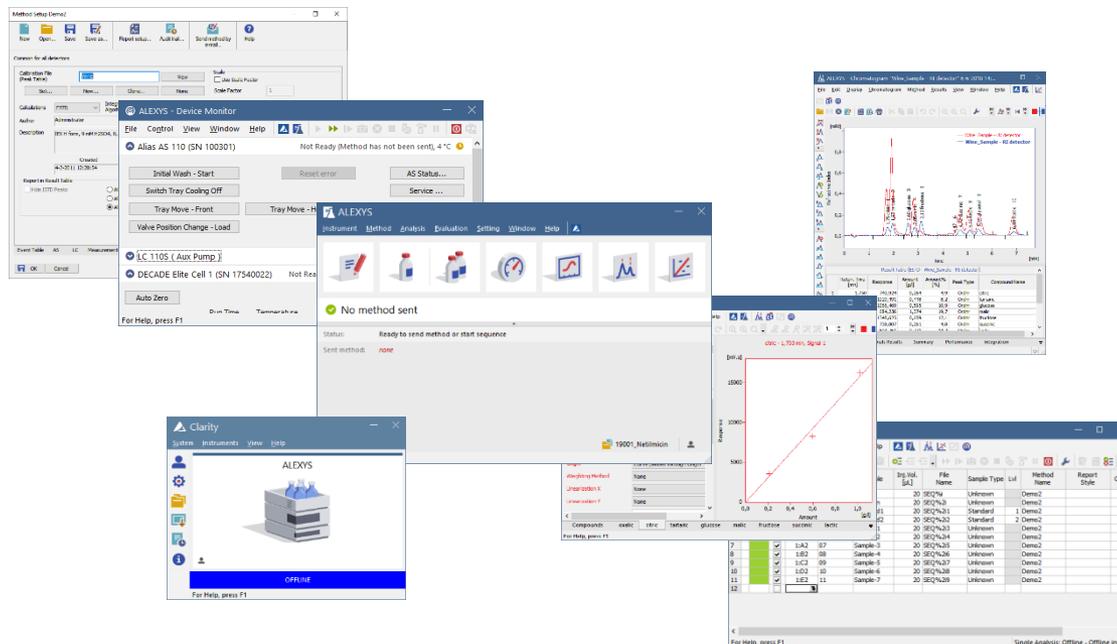


ALEXYS



Software structure

- ▶ Clarity uses several windows for organization of processes:



The screenshot displays the Clarity software interface with several overlapping windows:

- Method Setup (Demo):** A window for configuring methods, showing options for calibration, calculation, and instrument parameters.
- ALEXY5 - Device Monitor:** A window showing the status of the instrument, including the method name (Alias AS 110 (SN 100301)), status (Not Ready), and control buttons like 'Initial Wash - Start', 'Switch Tray Cooling Off', and 'Tray Move - Front'.
- ALEXY5 (Main Control):** The central window showing the instrument's status (Ready to send method or start sequence) and a 'No method sent' message.
- ALEXY5 Chromatogram:** A window displaying a chromatogram plot with peaks labeled with retention times and sample names.
- ALEXY5 Peak Table:** A table listing detected peaks with columns for Retention Time, Amount, and Concentration.
- ALEXY5 Calibration Curve:** A window showing a linear calibration curve plot with a red line and data points.
- Clarity Overview:** A window showing a 3D model of the instrument and a 'Clarity' button.

Clarity licence

Unlocking software options



- ▶ Software is **freely downloadable**.
- ▶ Options are unlocked with a **USB hardware dongle and unique code**

<u>Dongle option</u>	<u>Description</u>	<u>Antec pn.</u>
<i>Data processing only</i>	Clarity offline version	195.00C59
	Clarity free * offline <u>for Universities</u>	195.0035A
<i>ALEXYS with autosampler</i>	Clarity single instr. incl LC, AS mod.	195.0035

* *When ordered with a full license*

Start-up Clarity using a desktop icon



Clarity

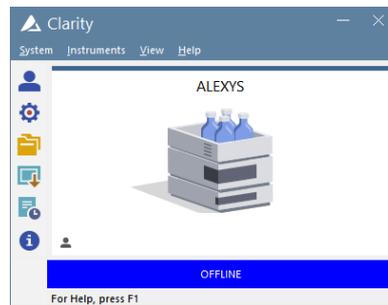
'CLARITY'
default setting



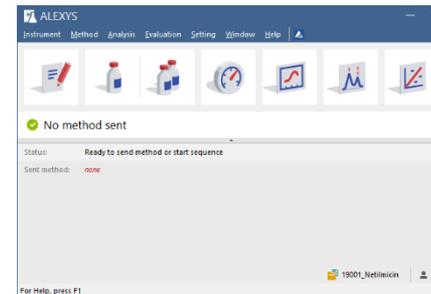
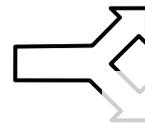
application
name

specific methods

Start up Clarity

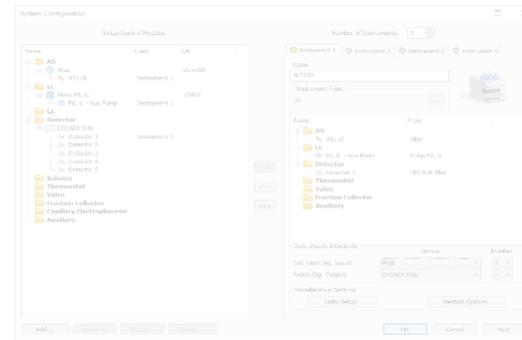


Main window



Instrument window

... analysis

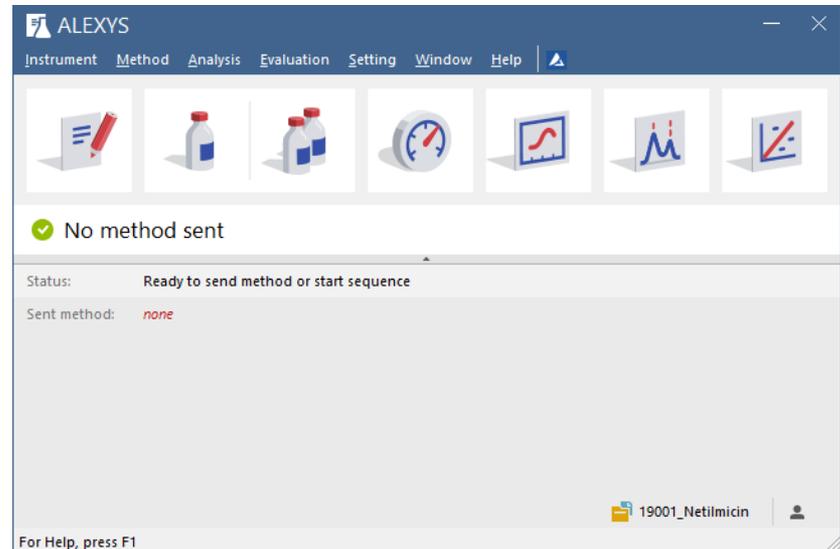


Configuration window

...for setting up the drivers

Centre of the software

- ▶ Collection of buttons
- ▶ Each button gives access to a different aspect of the analysis.



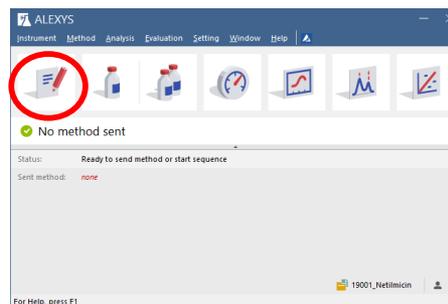
Instrument window

Setting the method parameters

- ▶ The method window has tabs for a structured organization

- application settings

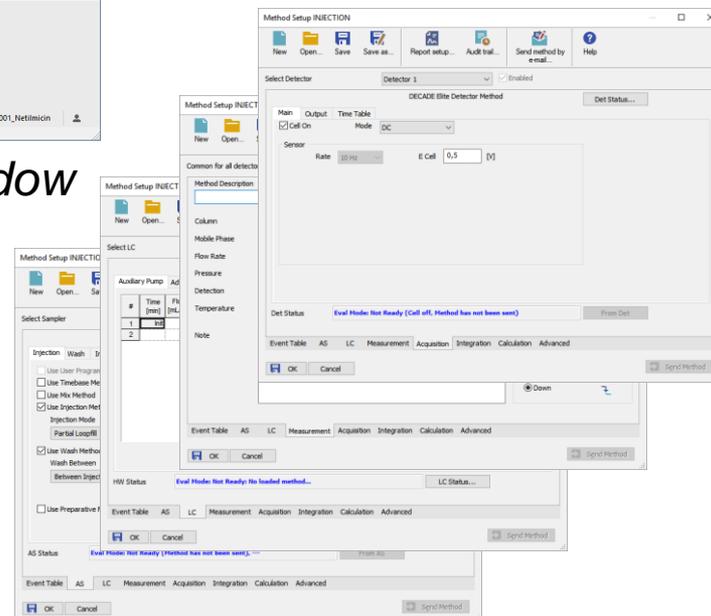
- detector
- pump
- autosampler
- analysis time



Instrument window

- post-run data processes

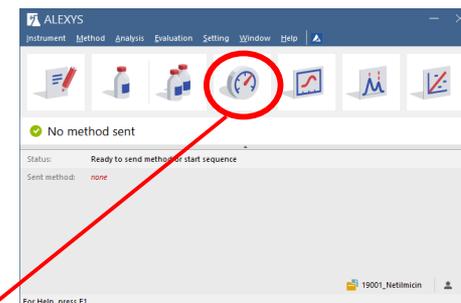
- integration settings
- reference to a calibration file



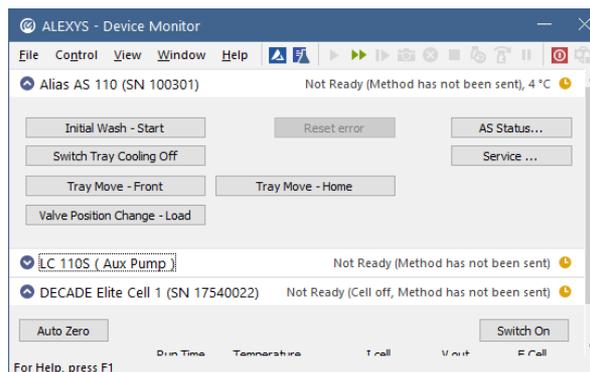
Method window

Direct control

- ▶ Manual autozero
- ▶ Change flow rate
- ▶ Needle wash
- ▶ ...

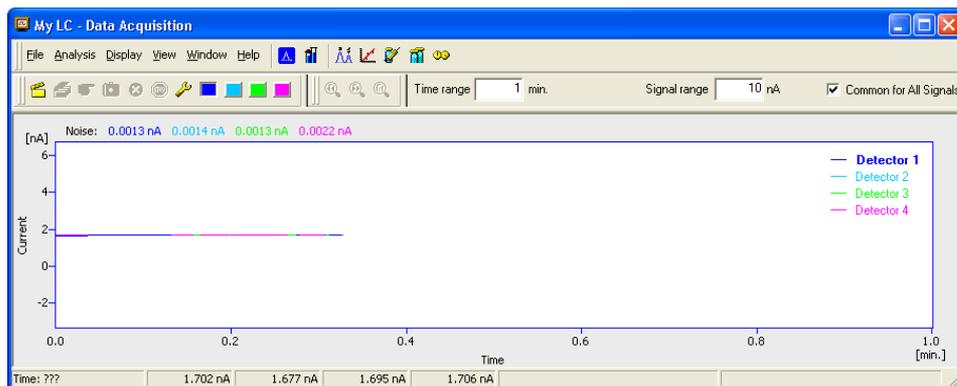


Instrument window

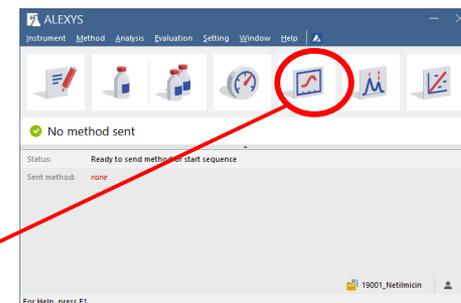


Device monitor

Monitoring the current signal



Data acquisition window

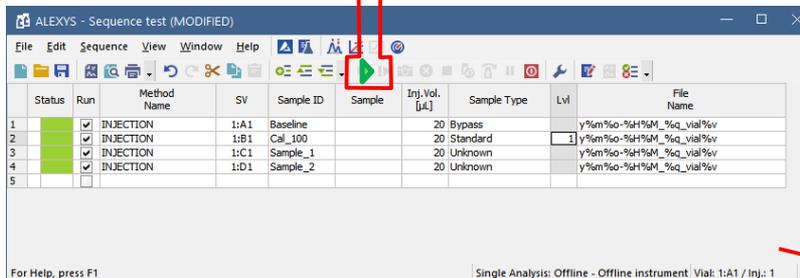


Instrument window

Programming a sequence table

- List of analysis details for an autosampler

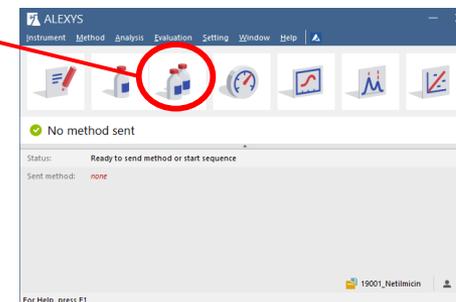
Start sequence



	Status	Run	Method Name	SV	Sample ID	Sample	Inj. Vol. [µL]	Sample Type	Lvl	File Name
1		<input checked="" type="checkbox"/>	INJECTION	1:A1	Baseline		20	Bypass		y%im%eo-%iH%M_%eQ_vial%ev
2		<input checked="" type="checkbox"/>	INJECTION	1:B1	Cal_100		20	Standard		y%im%eo-%iH%M_%eQ_vial%ev
3		<input checked="" type="checkbox"/>	INJECTION	1:C1	Sample_1		20	Unknown		y%im%eo-%iH%M_%eQ_vial%ev
4		<input checked="" type="checkbox"/>	INJECTION	1:D1	Sample_2		20	Unknown		y%im%eo-%iH%M_%eQ_vial%ev
5		<input type="checkbox"/>								

Sequence window

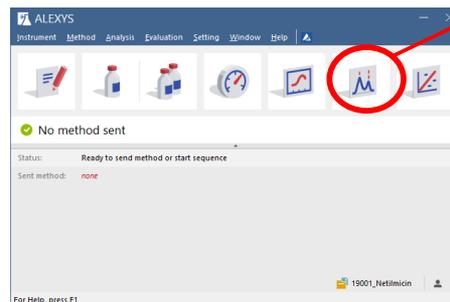
- Method
- Sample vial
- Injection volume
- ...



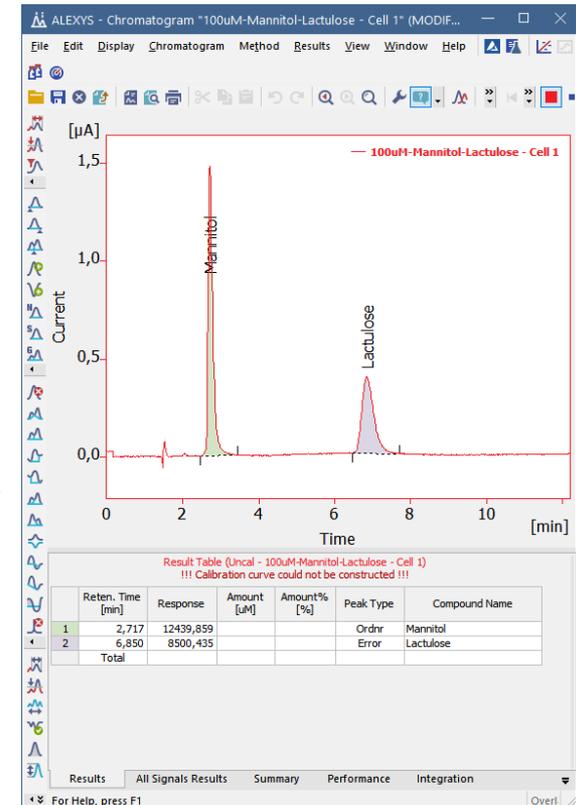
Instrument window

Evaluating chromatograms

- ▶ Display of completed/stored chromatograms
- ▶ Integration options
- ▶ Result table



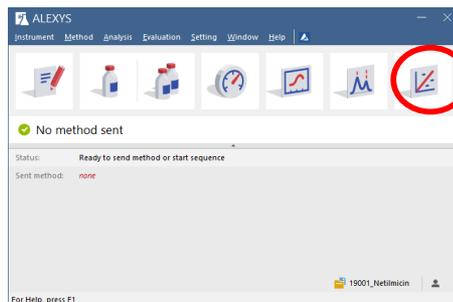
Instrument window



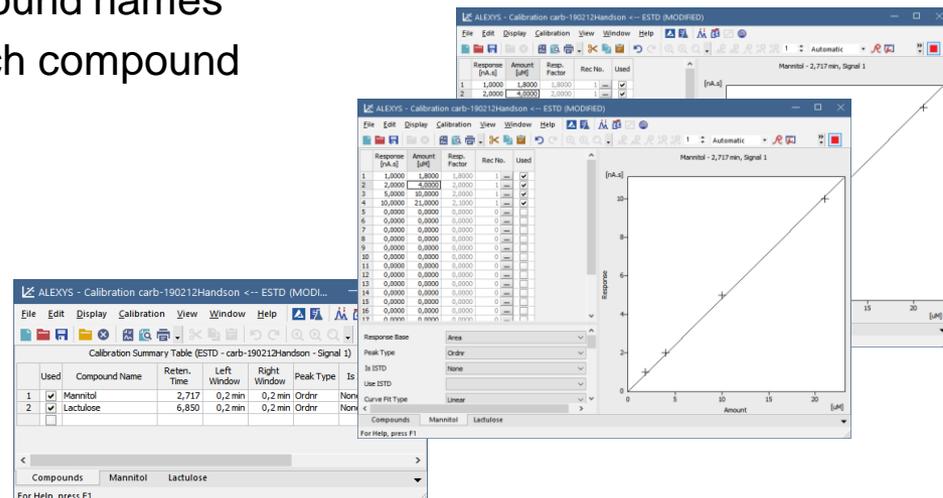
Chromatogram window

Calibration file

- ▶ The calibration window has tabs for a structured organization
 - Peak table for the compound names
 - Calibration graph for each compound



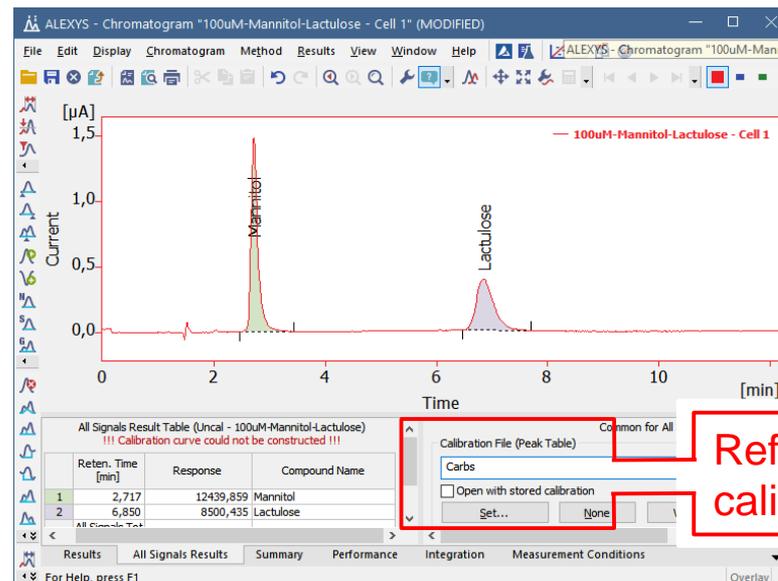
Instrument window



Calibration window

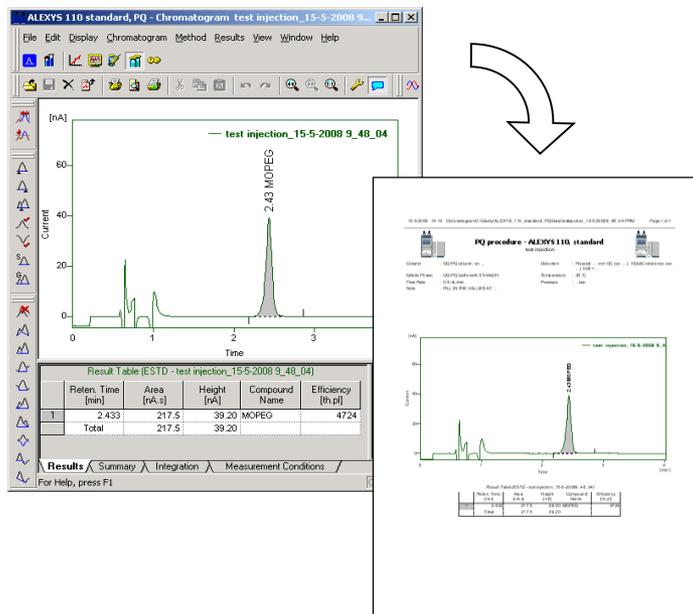
'Amount' calculation in chromatogram

- ▶ Active link:
 - A change in calibration file is instantly processed in all linked chromatograms
- ▶ History of changes is recorded in each chromatogram
- ▶ Setting up the link
 - Part of the method
 - Manually (post-run)



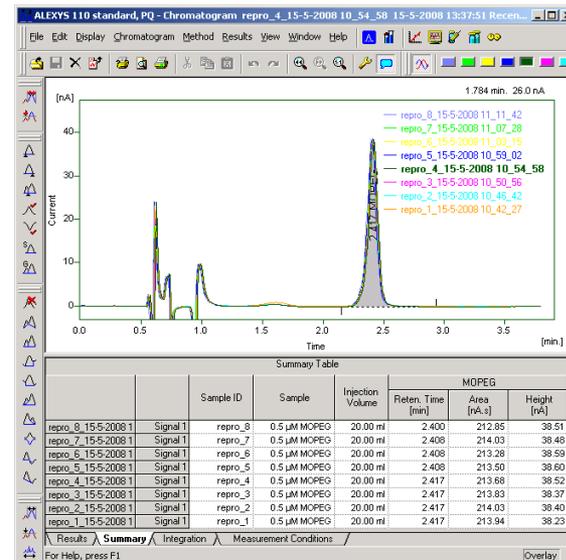
Report options

- ▶ Individual reports
 - Customizable output
 - Chromatogram export as figure



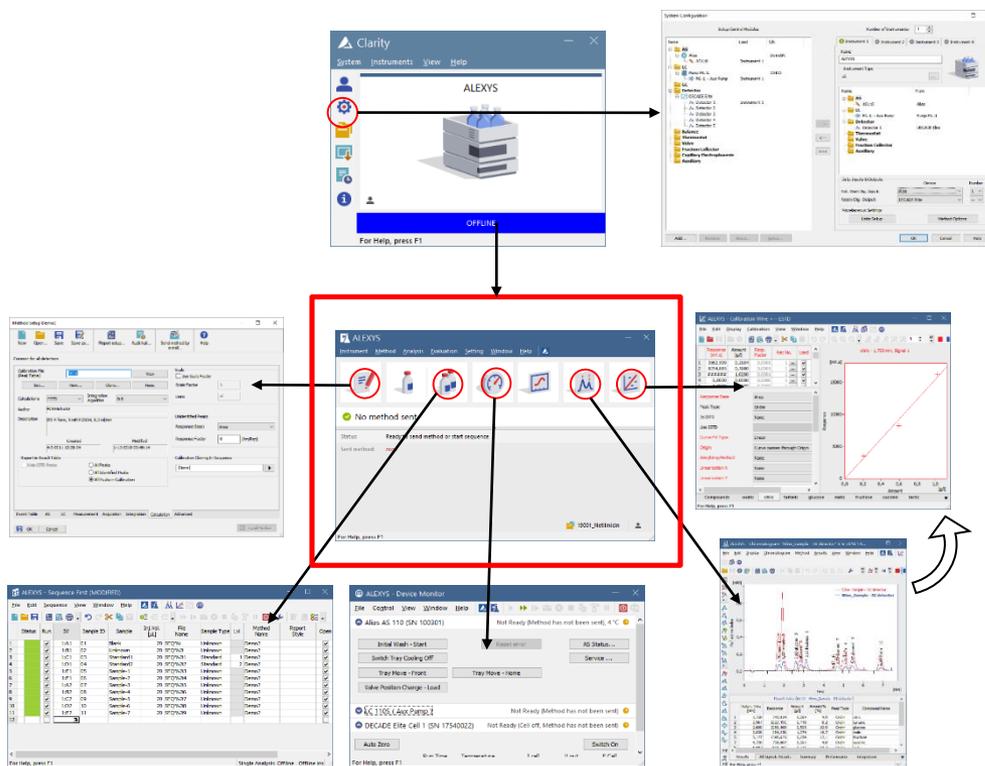
- ▶ Summary report
 - Data of selected chromatograms
 - Export to other programs

- copy-paste for instance to Excel



Clarity: a modular organised program

Instrument window
at the centre of the software.



More information....

- ▶ For more details on the Clarity data system
 - www.AntecScientific.com
 - Tutorial
 - Manuals

 - www.dataapex.com
 - Developer's site