FIAsoft

FIAsoft is a completely new software for FIAlyzers written in C#. It is a powerful and user-friendly software package based on state-of-the-art programming technology. FIAsoft offers the following unique features:
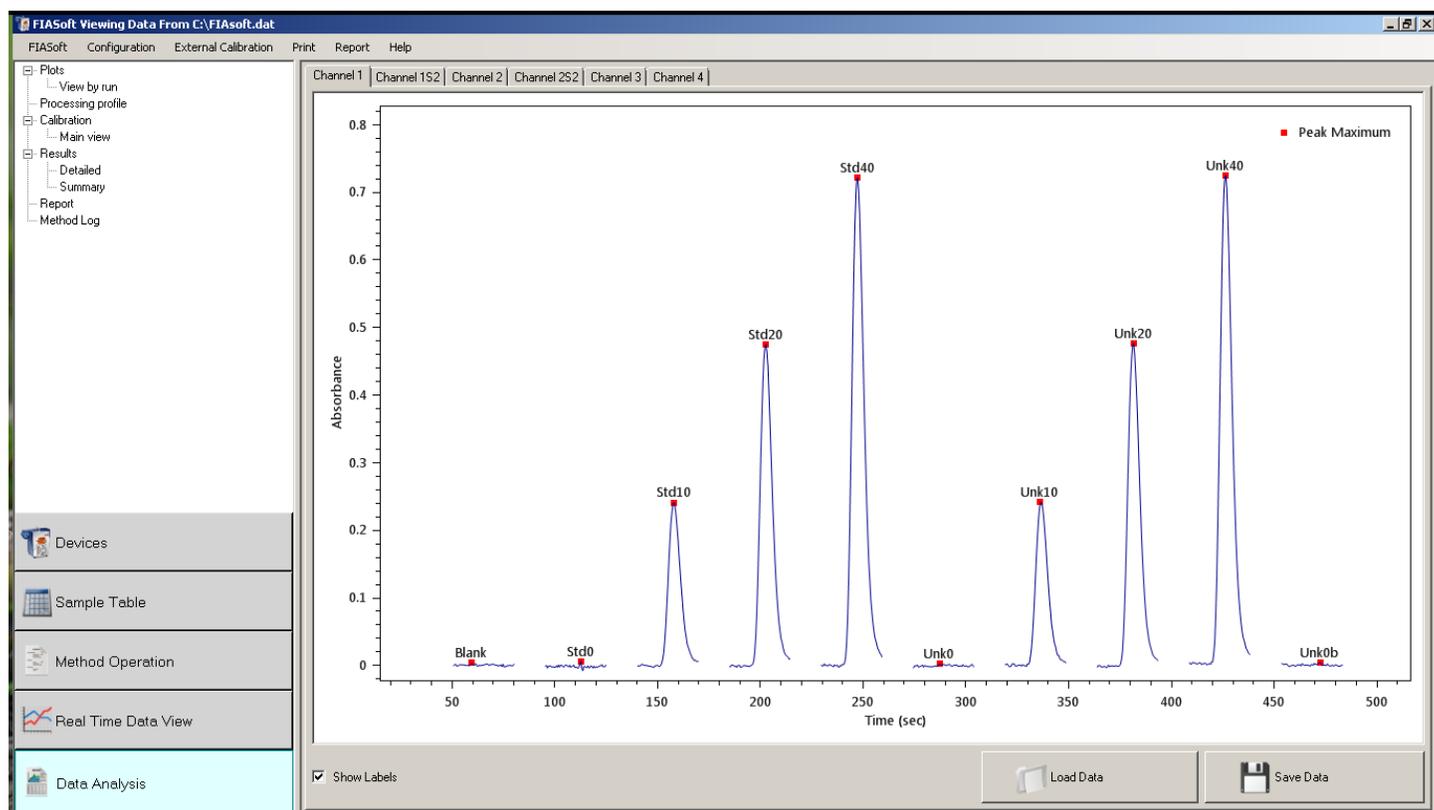
Improved User Interface

- **Faster and simpler configuration:** FIAsoft can auto-detect and configure many devices, while still allowing experienced users to tweak advanced settings.
- **Easy-to-use and streamlined interface:** FIAsoft's new interface is clean and easy to follow. Operations flow logically from one step to the next, allowing for smoother and faster operation.
- **Improved sample entry:** New features exist for entering and managing samples, including support for barcode readers, sample commenting, a dedicated standard table, and many others.
- **Enhanced plotting capabilities:** Plots and graphs in FIAsoft are faster and more responsive than ever before, allowing for smooth zooming, panning, and detailed inspection of data.

Our simple to use sample table includes barcode entry, sample comments, the use of dilution factors, and easy insertion of new samples, even during a run!

Improved Data Processing and Reliability

- **Modern, database driven data management:** FIAsoft's new SQL database backend improves the speed and reliability of data collection.
- **Faster, robust multithreaded data collection:** Data collection is done in an asynchronous, multithreaded environment, allowing detectors to operate completely independent of one another and any other processes running on the computer. This allows FIAsoft to achieve a high level of data throughput and reliability.
- **Improved data processing:** New filtering and background correction algorithms exist to improve data quality and minimize noise.
- **Support for up to 8 channels:** Efficient programming allows FIAsoft to manage more data than ever before. FIAsoft is capable of monitoring many types of detectors and can gather data from up to 8 channels.
- **Improved reliability:** FIAsoft has been rigorously tested to ensure stability and highly robust operation. FIAsoft is designed to meet the requirements of even the most demanding high volume laboratories.

New plotting capabilities in FIAsoft allow for smooth zooming, panning, and detailed data inspection. Results are displayed graphically as well as in tables and results can be exported in a variety of formats.