

Nu Quant - The ICP-MS Analyst's Most Useful Tool

Nu Quant is a quantitative data processing package designed by Nu Instruments to dramatically reduce the workload of the analyst by automating much of the task of reviewing the data and providing comprehensive editing tools with an audit trail to give the best confidence in any results reported.

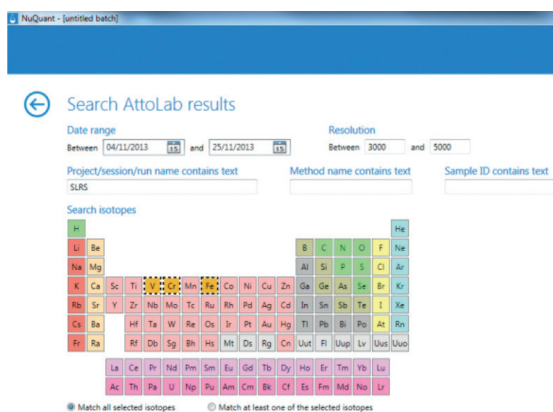


Figure 1: Provides a comprehensive and searchable index of data from the Attom to ease information management.

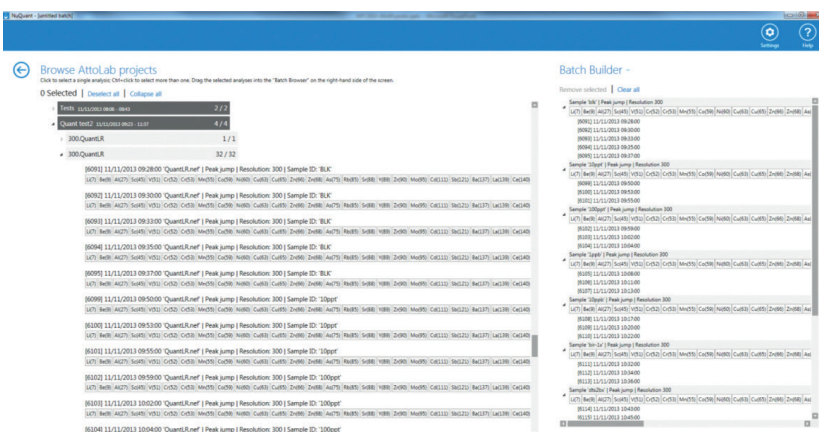


Figure 2: The tools to create processing batches from samples acquired at any time, allowing the mixing of certain acquisition conditions for the ultimate flexibility.

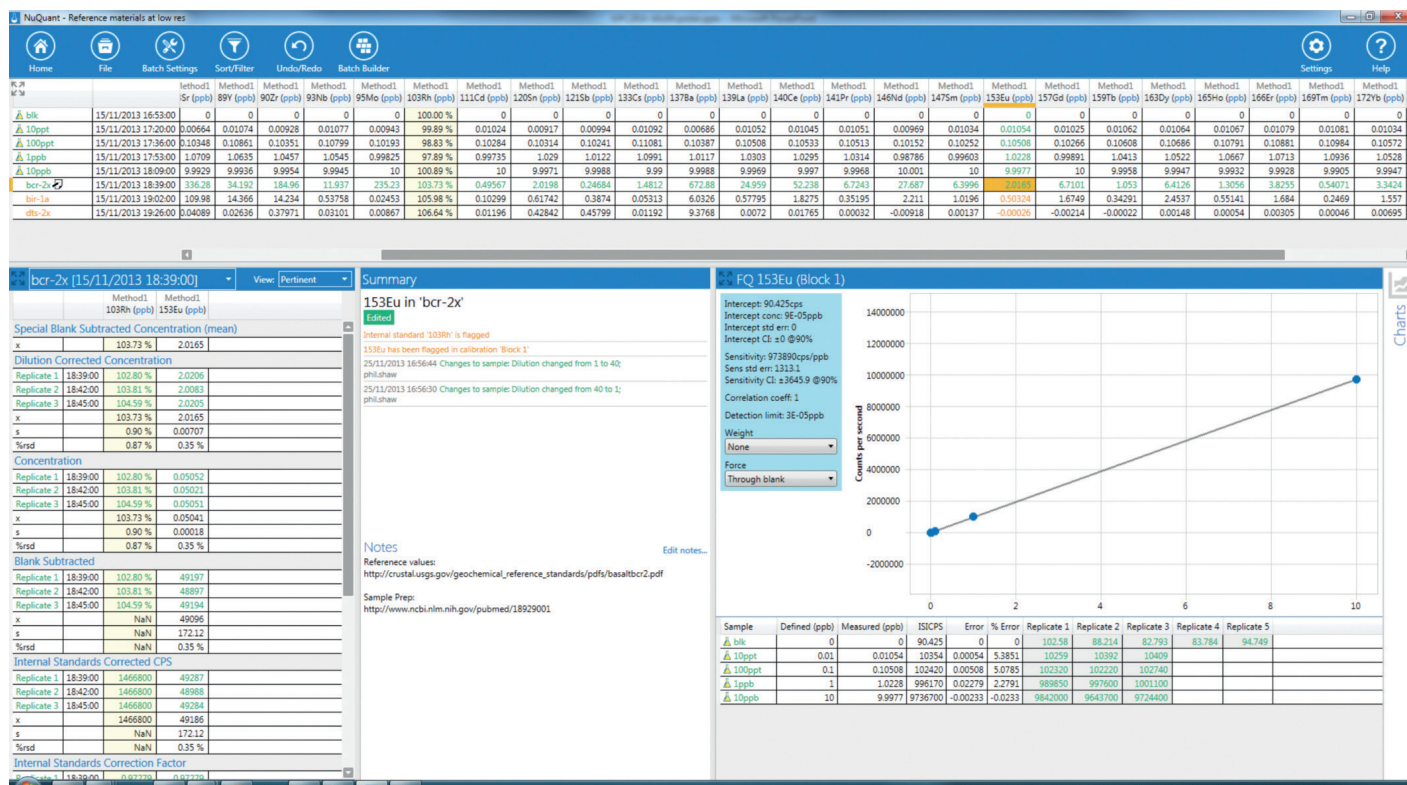


Figure 3: "Dashboard" interface providing a clear view of the top level results.

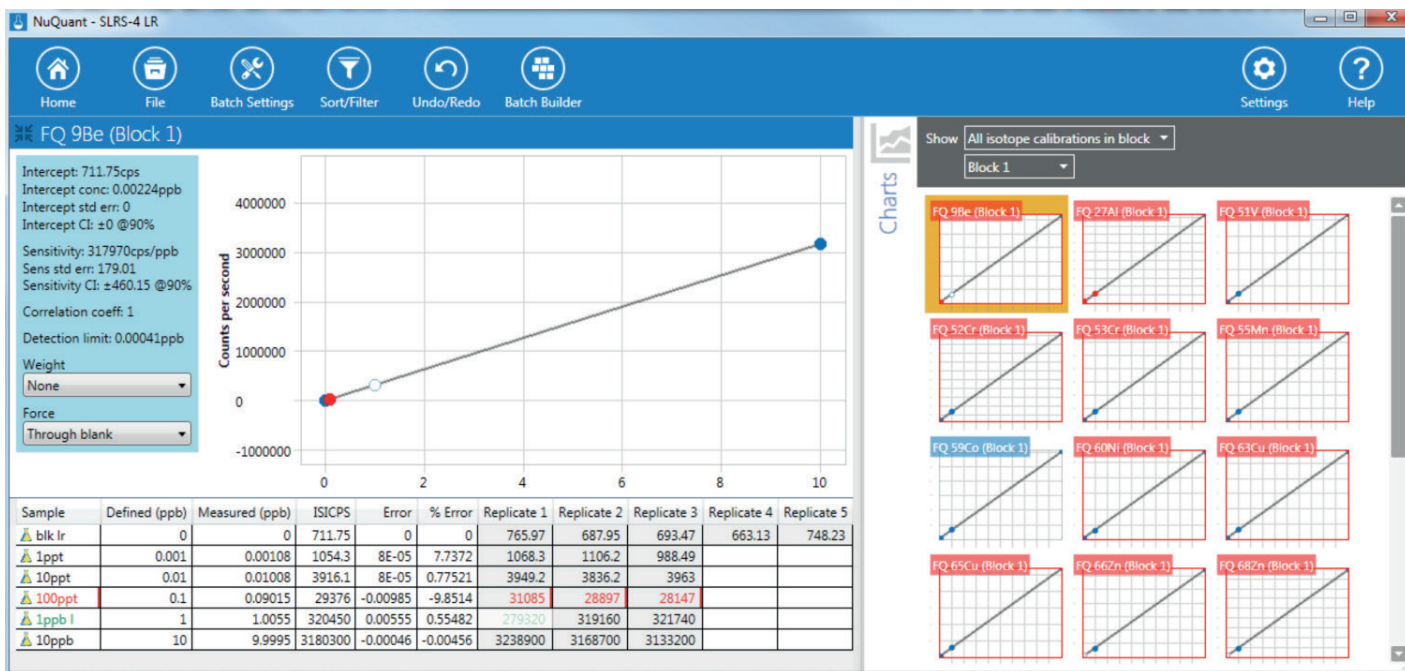


Figure 4: The “Dashboard” can show all calibrations as flagged thumbnails with a detailed and colour coded editable view of the full calibration information.

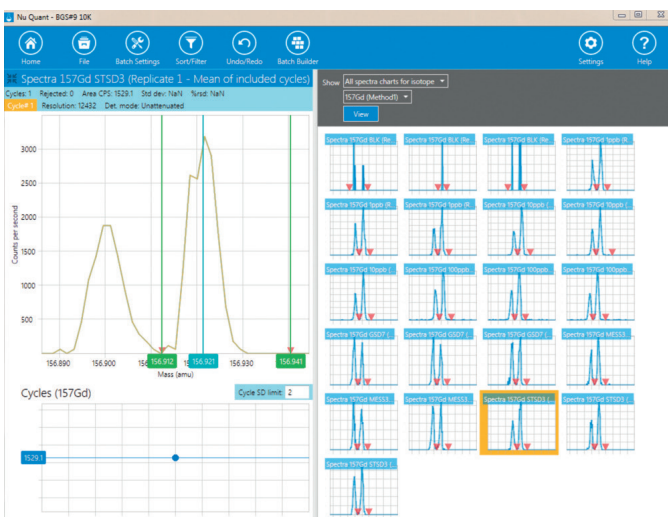


Figure 5: The software can display all of the spectra for an isotope or sample as thumbnails which are flagged to show when attention is required from the analyst due to peak location and resolution.

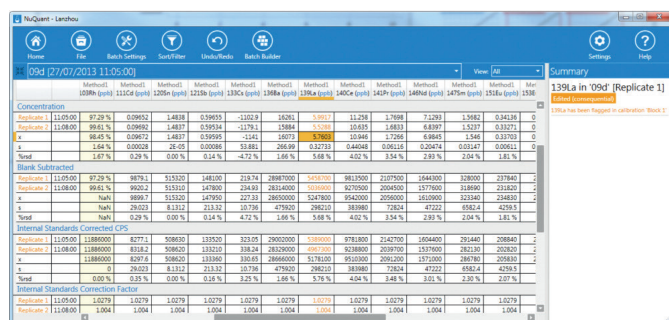


Figure 6: A fully detailed view of all of the calculation steps taken to reach a result, along with an audit trail of changes made for any single result and whether any edits make a consequential change to other results.

NuQuant - SERS-4 LR

Apply changes Close

Calibration Method and Sample Quality Tests

Editing: Method1

	Calibration Method	Weighting Method	Forcing Method	Semi-quant	Measurement unit	Interference corr.	Integration method	Max CC	+/- res. error%	Min BEC	-ve intercept	-ve sensitivity	Sensitivity	Sample RSD/ICPS	Over-range test	Measurement close to det. limit
98e	Quantitative	None	Through blank	☐	ppb		All	0.999	10	100 ppb	☐	☐	0 - 10000 cps/ppb	%rsd: 5 ICPS: 10000	150	10
27Al	Quantitative	None	Through blank	☐	ppb		All	0.999	10	100 ppb	☐	☐	0 - 10000 cps/ppb	%rsd: 5 ICPS: 10000	150	10
51V	Quantitative	None	Through blank	☐	ppb		All	0.999	10	100 ppb	☐	☐	0 - 10000 cps/ppb	%rsd: 5 ICPS: 10000	150	10
52Cr	Quantitative	None	Through blank	☐	ppb		All	0.999	10	100 ppb	☐	☐	0 - 10000 cps/ppb	%rsd: 5 ICPS: 10000	150	10
53Cr	Quantitative	None	Through blank	☐	ppb		All	0.999	10	100 ppb	☐	☐	0 - 10000 cps/ppb	%rsd: 5 ICPS: 10000	150	10
55Mn	Quantitative	None	Through blank	☐	ppb		All	0.999	10	100 ppb	☐	☐	0 - 10000 cps/ppb	%rsd: 5 ICPS: 10000	150	10
59Co	Quantitative	None	Through blank	☐	ppb		All	0.999	10	100 ppb	☐	☐	0 - 10000 cps/ppb	%rsd: 5 ICPS: 10000	150	10
60Ni	Quantitative	None	Through blank	☐	ppb		All	0.999	10	100 ppb	☐	☐	0 - 10000 cps/ppb	%rsd: 5 ICPS: 10000	150	10

Figure 7: A simple tool for the user to define the initial calibration conditions and quality tests for the calibration or individual samples to provide the flagging on the "Dashboard".