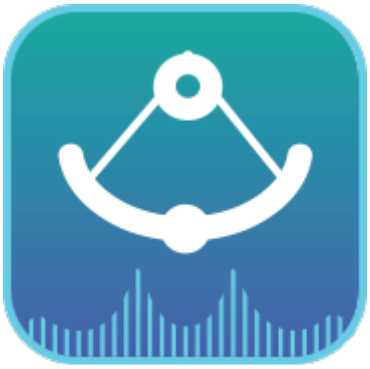
SmileQ NMR Analytical Software



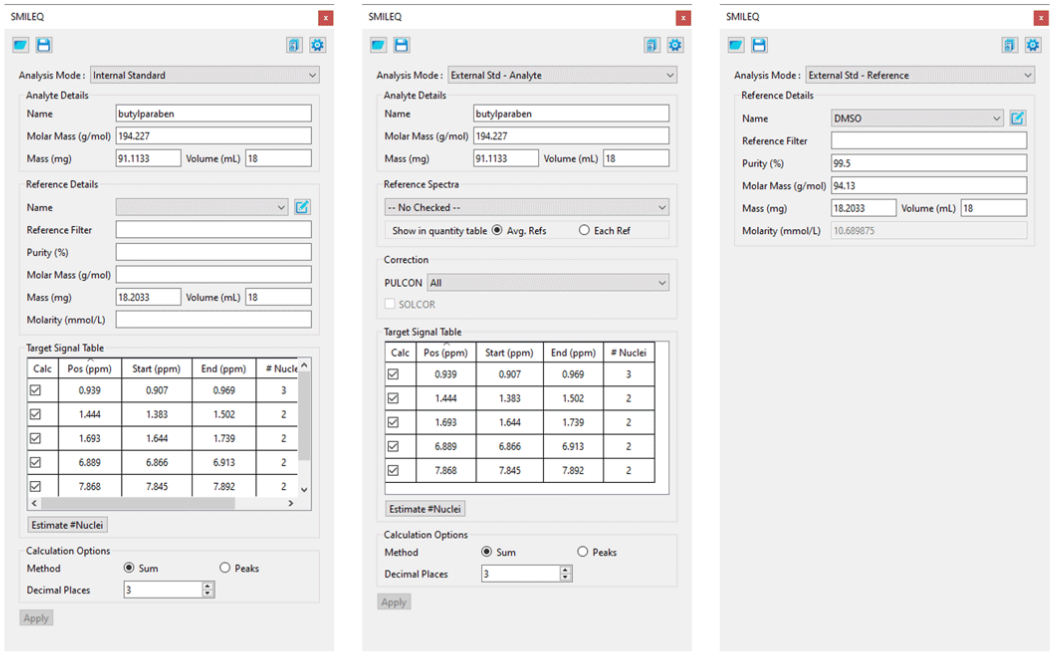
SMILEQ Spectral Management Interface Launching Engine for Q-NMR

The optimum environment for quantitative analysis, combining the ease of use of the main application with an efficient workflow for quantitative analysis.

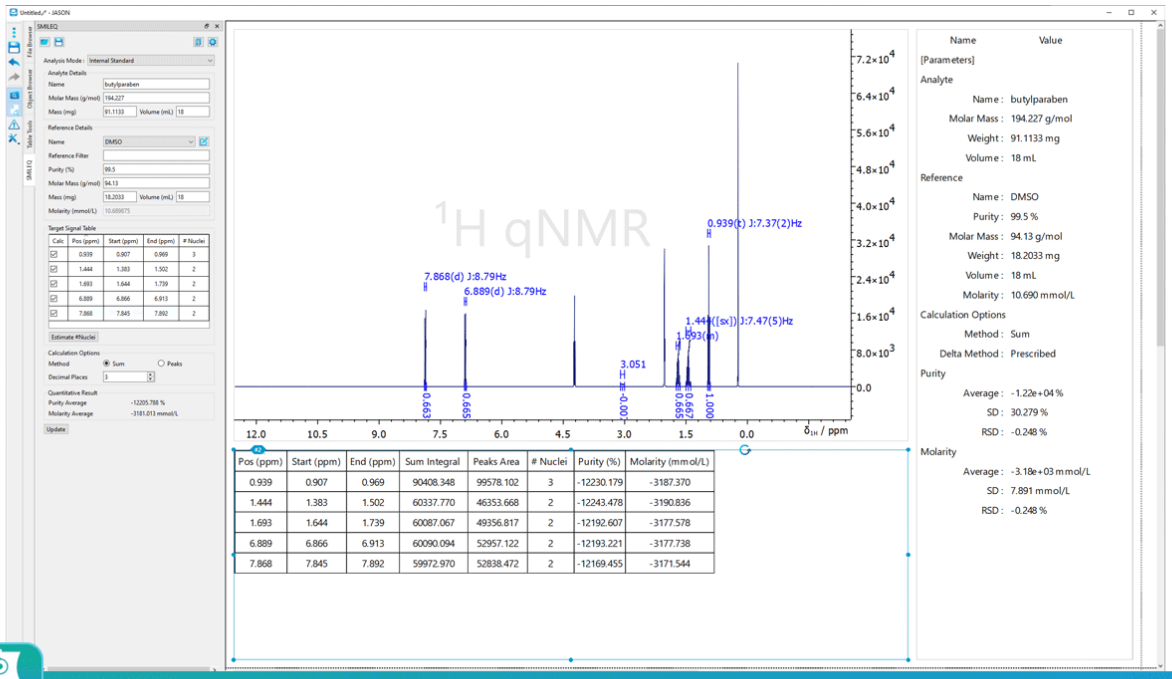
SMILEQ plugin is a software tool for quantitative NMR analysis

- Quantitative NMR analysis by the internal standard method (for purity and molar concentration)
- The use of the standard material information library is available.
- Analysis using analysis files (analysis templates)
- Batch processing (batch analysis of multiple data)
- Report generation (individual reports and summary reports)
- Automatic quantitative NMR analysis (from measurement to report generation)
- Cooperates with Delta software on the JEOL NMR system

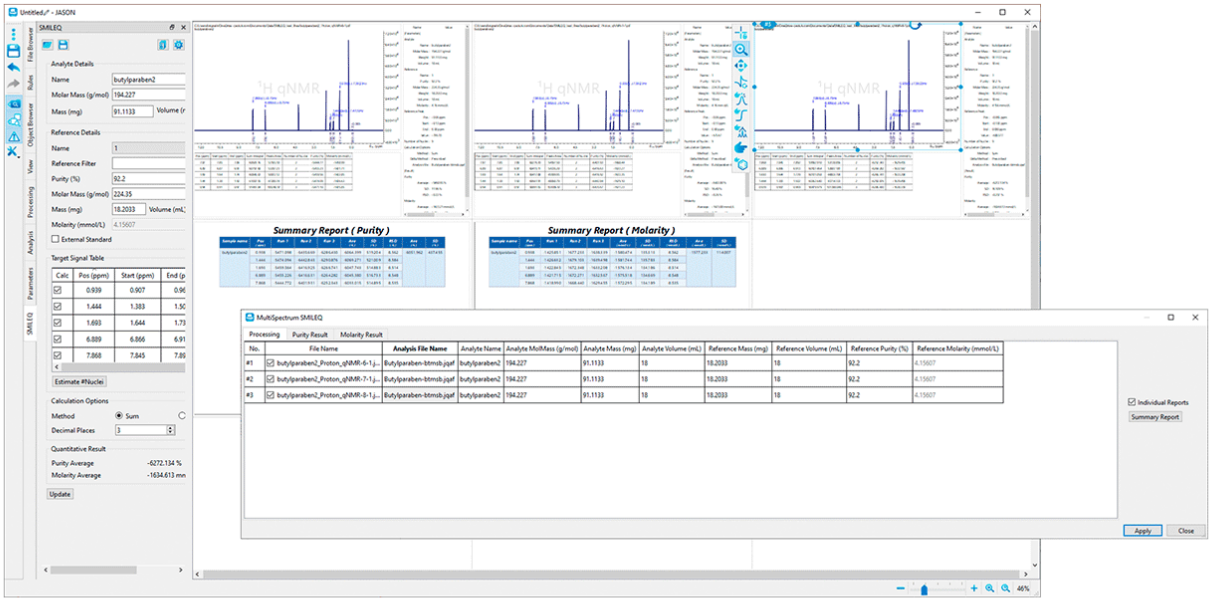
SMILEQ widget
Easy to set parameters for qNMR analysis
Report qNMR
Save your time to put together calculation result
Batch analysis qNMR
More comfortable environment multiple qNMR data analysis



▪ SMILEQ



▪ Report qNMR



▪ Multispectrum qNMR

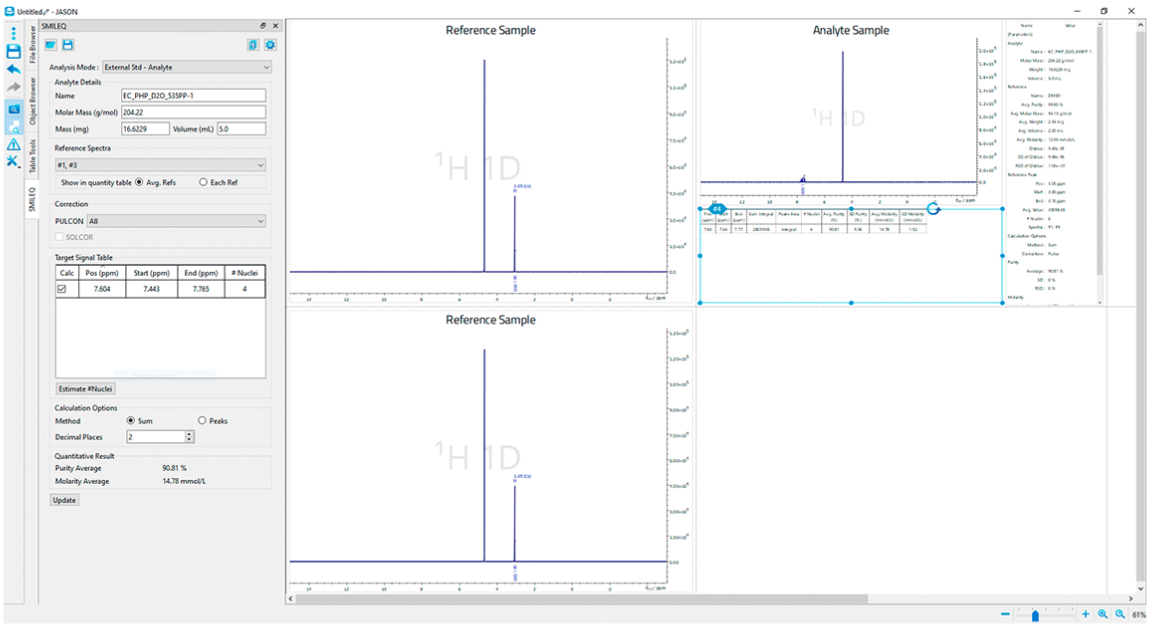
Uncertainty of the Purity (according to ISO 24583)

Sample		Run 1 (%)	Run 2 (%)	Run 3 (%)	Signals		Sample solutions		All Sample solutions	
Sample name	Pos (ppm)				Ave (%)	SD (%)	Ave (%)	SD (%)	Ave (%)	SD (%)
butyl parahydroxybenzoate 1	7.86	99.49	99.57	99.79	99.62	0.16	99.72	0.14	99.68	0.08
	6.90	99.63	99.56	99.79	99.66	0.12				
	1.71	99.59	99.59	99.83	99.67	0.14				
	1.41	99.95	99.99	100.00	99.98	0.03				
	0.86	99.82	99.70	99.79	99.77	0.06				
	4.21	99.58	99.58	99.77	99.64	0.11				
butyl parahydroxybenzoate 2	7.86	99.91	99.65	99.30	99.62	0.31	99.73	0.12		
	6.90	99.78	99.58	99.44	99.60	0.17				
	1.71	100.01	99.83	99.38	99.74	0.33				
	1.41	99.99	99.94	99.84	99.93	0.08				
	0.86	99.82	99.79	99.65	99.76	0.09				
	4.21	100.12	99.80	99.39	99.77	0.36				
butyl parahydroxybenzoate 3	7.86	99.65	99.26	99.17	99.36	0.25	99.59	0.19		
	6.90	99.61	99.50	99.31	99.47	0.15				
	1.71	99.83	99.41	99.44	99.56	0.23				
	1.41	99.85	99.87	99.94	99.89	0.05				
	0.86	99.73	99.73	99.73	99.73	0.00				
	4.21	99.70	99.50	99.41	99.54	0.15				

Uncertainty Budget (according to ISO 24583)

	Source of uncertainty	Unit	Value	Standard uncertainty	Sensitivity coefficient	Relative standard uncertainty
NMR experiments	Measurement repeatability	%	99.77	0.36	1.00	0.36
	Variations from different signals selected	%	99.59	0.19	1.00	0.19
	Variations from qNMR sample solution preparations	%	99.68	0.08	1.00	0.08
Purity of standard	The purity of the internal standard used	%	100.00	0.3	1.00	0.25
					Combined standard uncertainty (%)	0.49
					Coverage factor	2
					Expanded uncertainty (%)	0.97

▪ ISO Compliant analysis



External Standard Analysis

SMILEQ is the software that meets all your expectations

Complete confidence

SMILEQ is developed by JEOL, the global provider of specialised NMR labs.

No surprises

You can enjoy the free trial for 46 days. Our technical assistance team always guides you.

Thought for everyone

From single sample to multiple spectra, internal or external standard, and ISO compliant qNMR analysis, SMILEQ has something to offer every user

Request contact, and in less than 24 hours, our expert technicians will guide you in everything you need.

Name *

Email address *

Telephone

Brief description of the issue *

Thank you for your message. It has been sent.

×

There was an error trying to send your message. Please try again later.

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CONTACT YOUR EXPERT