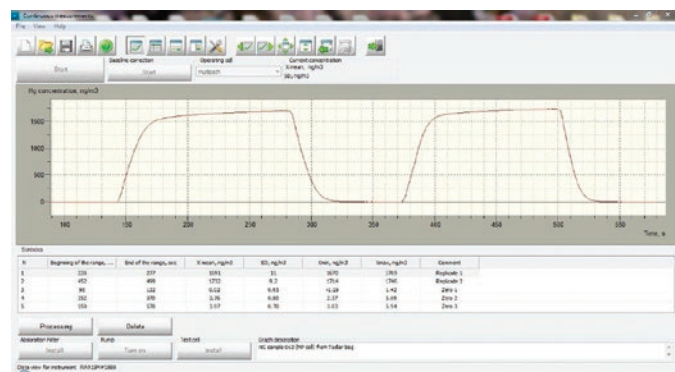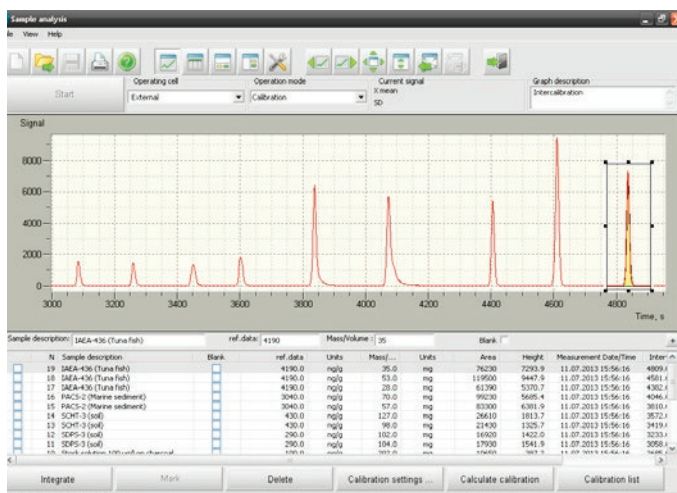# RAPID Software

for LUMEX RA-915M & RA-915+ Mercury Analyzers

LUMEX

Powerful software for data acquisition and processing

- User friendly interface
- Customizable templates for data reporting
- 21 CFR Part 11 compliance – supports User level management and electronic signatures
- RAPID Software enhances operation with the RA-915+ models
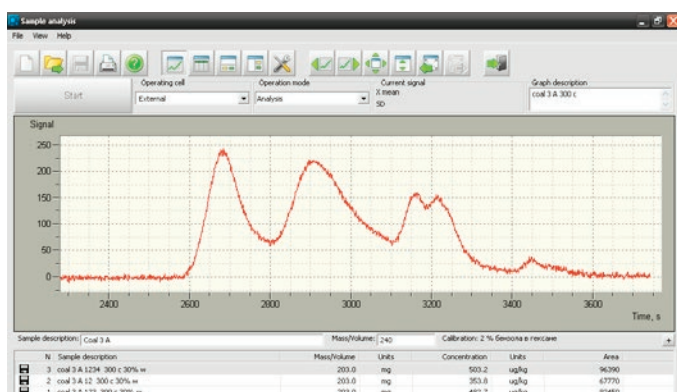- for Windows® 2000/XP/Vista/7/8/10

Liquid & Solid Samples Analysis
Fast, clear and simple

Air & Natural Gas Analysis & Monitoring
Flexible and convenient
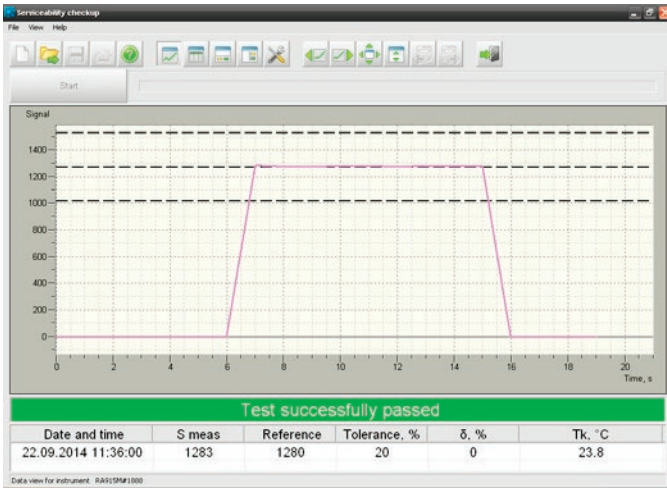
Thermo-scanning
Comprehensive information about mercury, its species and their conversion

Closed-loop Automatic Temperature Adjustment Control for Dynamic Range Enlargement
Analysis of samples with high mercury concentration, up to 2,000 mg/kg

Instrument Check-up
Fully automated self verification procedure

Calibration
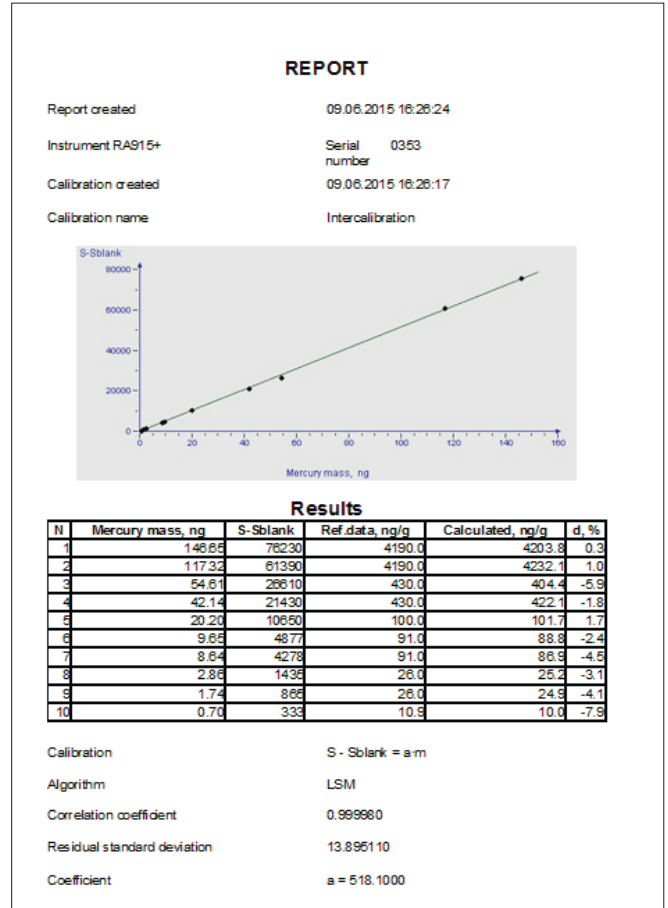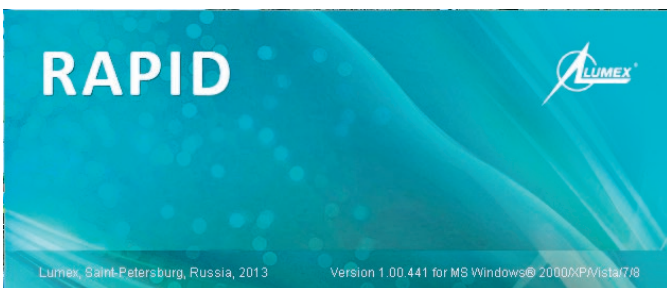Create, browse and apply to your data

Measurement Database
Browse, process and report data

Documentation Process
Customizable templates for data reporting

RAPID

Lumex, Saint-Petersburg, Russia, 2013 — Version 1.00.441 for MS Windows® 2000/XP/Vista/7/8

REPORT

Report created	09.06.2015 16:26:24
Instrument RA915+	Serial number 0353
Calibration created	09.06.2015 16:26:17
Calibration name	Intercalibration

Results

N	Mercury mass, ng	S-Sblank	Ref.data, ng/g	Calculated, ng/g	d, %
1	146.65	76230	4190.0	4203.8	0.3
2	117.32	61390	4190.0	4232.1	1.0
3	54.61	28610	430.0	404.4	-5.9
4	42.14	21430	430.0	422.1	-1.8
5	20.20	10650	100.0	101.7	1.7
6	9.65	4877	91.0	88.8	-2.4
7	8.64	4278	91.0	86.9	-4.5
8	2.86	1435	26.0	25.2	-3.1
9	1.74	866	26.0	24.9	-4.1
10	0.70	333	10.9	10.0	-7.9

Calibration	S - Sblank = a·m
Algorithm	LSM
Correlation coefficient	0.999980
Residual standard deviation	13.895110
Coefficient	a = 518.1000

Instrument Check-up report:

Date and time	S meas	Reference	Tolerance, %	δ, %	Tk, °C
22.09.2014 11:36:00	1283	1280	20	0	23.8

Test successfully passed

Calibration results:

Correlation coefficient	0.9999
Residual standard deviation	24.043457
Calibration	S - Sblank = a·m
	a = 532.4000
	Sblank = 0.0000