





A new release of Laura v4.2.8.106 is now available

In this release functionality has been added for evaluation and data analysis, measurement control as well as general functionality for logging in and additional values when selecting a reference mask for measurements.

As always the full list of changes is available via the software release notes but here are a few of the more interesting additions and changes in this document.

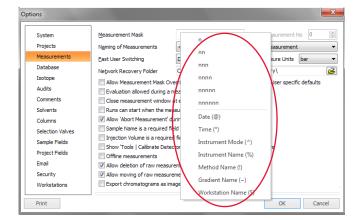
Remember last login

The functionality has been added for Laura to default to the last successfully logged in user to add convenience for the users if the site security rules allow such a function.



Adding a measurement reference mask

The functionality had been added to the measurement reference mask tool so that items such as measurement mode, method, gradient etc can be added to the mask profile.



Select method

Functionality has been added so that methods can be selected from the instrument status view to apply initial conditions to stabilize the system ready for an upcoming sample injection.

Method		~	
	Bkg test 0-1000		
	Bkg test 0-800		
	Bkg test 0-600		
	Bkg test 0-400		
	Bkg 10-400		
	Bkg est 20-400		
	Bkg test 20-400		
	Eff test 20-400		

Laura will then ask the user to confirm they want to upload this method to the instrument.



Laura will then set the detector and HPLC conditions suitable for this method.

Updated Icon and Splash Screen

	EXPERIENCE & EXPEF	RTISE
	Taura Radiochromatography Data Collection and Analysis Software	
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Data Evaluation

Report column capacity factor

The function to report column capacity factor has been made available for selection in the region table.

X-Axis	<u>A</u> vailable Columns		Show Columns	
Y-Axis Regions	%TAR Resolution Relative Retention #1 %Relative Area #1 %Relative Height #1	*	Name Colour Start End Retention	
Gradients	Relative Retention #2 %Relative Area #2 %Relative Height #2	[> Height Area Average	
Display	Relative Retention #3	[>> %Total	
Colours	%Relative Area #3 %Relative Height #3		%ROI Peak Type	
Calculations	Relative Retention #4 %Relative Area #4		Flag Capacity Factor	
Channel Name	%Relative Height #4 Relative Retention #5		<<	
Decimal Places	%Relative Area #5	=		
Annotations	%Relative Height #5 Range Range (Vial No) Range (min)	-		

More obvious "active tab"

The colour of the active tab in the evaluation window has been enhanced to make the active tab more obvious to the user.



By selecting the function in the show columns list in view l properties the value is shown in the region table.

Capacity Factor
21.47

Browse measurement from the project manager tool (only available in database mode)

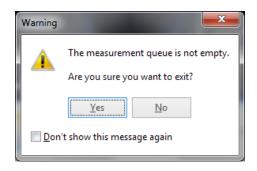
The function has been added so that users can browse the measurements within a project from the view I project manager utility.

ference	Code Cre	ated	Name	Lock Title				Test Substance	Created
Projects									
- 🗊 Sample D	ata 0001 23	December 2	014 Sample Data	Projec	t contains de	emo	data	N/A	Super U
🔮 Browse F	Project	Second Second							×
Look in	[All Folders]			•	b	•			
Name		Size	Туре	Modified	Folde	^	Preview Nam	e N/A	
JAL 032898		42.3 KB	Measurement	23/12/2014 15:40	1				
AL 091198		46.2 KB	Measurement	23/12/2014 15:40	1				
🦺 🦺 1000 ce	8	13.8 KB	Evaluation	23/12/2014 15:40	١.				
Mi 101397	A	10.0 KB	Measurement	23/12/2014 15:40	1				
AL 3D View		248.7	Measurement	23/12/2014 15:40	١				
🦺 🕺 500 cel		13.8 KB	Evaluation	23/12/2014 15:40	١				
ALABC2		42.8 KB	Measurement	23/12/2014 15:40	1				
ALC-14 Sp		12.9 KB	Spectrum	23/12/2014 15:40	١				
	Spectrum	8.3 KB	Spectrum	23/12/2014 15:40	1				
ML D6254_		9.1 KB	Measurement	23/12/2014 15:40	1				
AL Dual La	oel C14 Stan	9.1 KB	Measurement	23/12/2014 15:40	1	\checkmark			
<					>				
Type:	Measuremen	its and Eval	uations	•	Open				
View Mode:	Multiple Win	louun		w	Cancel				

Measurement Control

Added warning when there are batches in the queue

An additional warning has been added to advise the user that there are items in the measurement queue when exiting the Laura application.



The functionality has now been added that when the measurement is started the scintillant pump on the Beta-RAM will start prior to the injection to eliminate any possible"spikes" due to the extra flow starting in the flow cell.

Radio-Detector			
Scint Flow Rate	3.00	🚔 mL	./min

Pause measurement tool

The pause measurements function has been enhanced to give the user more options when pausing the measurement cycle.

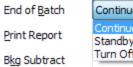
Pause Me	asurements
Are you s	sure you want to pause the measurement queue?
<u>A</u> ction	Continue - pump, lamps and oven on
	Continue - pump, lamps and oven on
	Standby - pump off, lamps and oven on Turn Off - pump, lamps and oven off

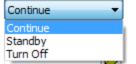
The functionality has now been added that when the measurement is started the scintillant pump on the Beta-RAM will start prior to the injection to eliminate any possible "spikes" due to the extra flow starting in the flow cell.

HPLC Control

Additional end of batch options

Additional options have been added to support the HPLC at the end of a batch.





Additional information has been added to the measurement queue task bar to show the idle action status.



Added ability to enable binary solvent set up with quaternary pumps

The functionality has been added to select not used for solvent lines when using quaternary pumps to delivery 2 or 3 component solvent mixes.

Laura	-	-		×
Solvents Define the gradient and	solvents			13
<u>G</u> radient Name Number of solvents	Laura			
Solvent <u>A</u>	Acetonitrile			•
Solvent <u>B</u> Solvent <u>C</u> Solvent <u>D</u>	Not Used Acetonitrile Methanol Water			
<u>S</u> cintillant Mode Click Next to continue.	By Flow 🔻			
Print		< <u>B</u> ack	Next >	Cancel

Instrument Support

Added Instrument Support

We have implemented basic support for the Canberra DSA-LX MCA for use with the HPGe detector.



Added functionality to support control of the flow rate in real time for an isocratic pump set up for the Shimadzu Prominence and Nexera systems without LPGE.



Europe & Worldwide LabLogic Systems Limited

Paradigm House, 3 Melbourne Avenue Broomhill, Sheffield, S10 2QJ, UK

E-mail: solutions@lablogic.com Tel: +44 (0)114 266 7267 Fax: +44 (0)114 266 3944











USA & Canada LabLogic Systems, Inc.

East Pointe Park, 1040 East Brandon Blvd. Brandon, FL 33511-5509, USA

E-mail: solutions@lablogic.com Tel: +1-813-626-6848 Fax: +1-813-620-3708