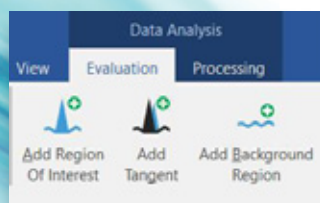
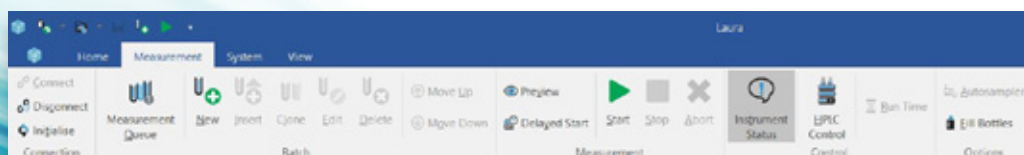
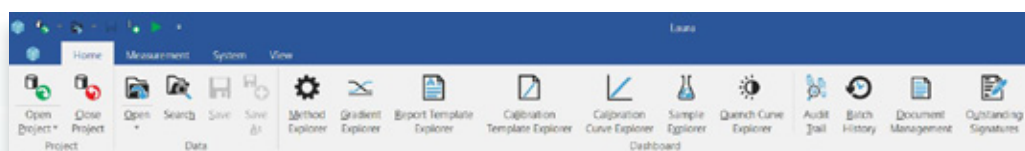




# Laura™

Radiochromatography Data  
Collection and Analysis Software



v6.0.1

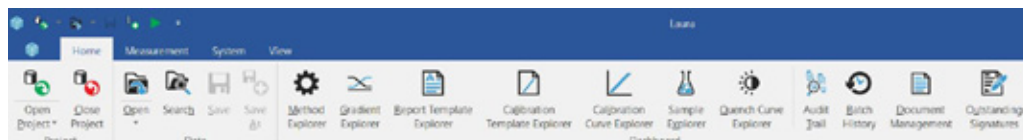


EXPERIENCE & EXPERTISE

## Laura 6 now released!

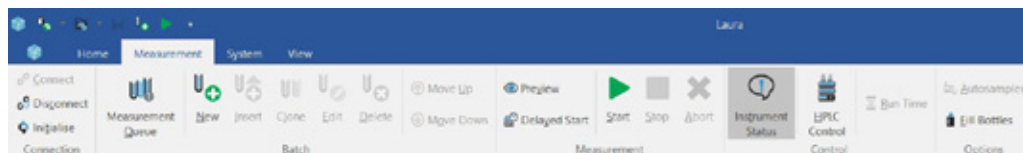
LabLogic Systems Limited is pleased to announce Laura Version 6.0.1 is now released.

Laura has been the industry standard radiochromatography system for over 15 years now, but we felt it was time for a facelift. With this in mind the new major release Version 6 now features the ribbon theme for navigating around the system.

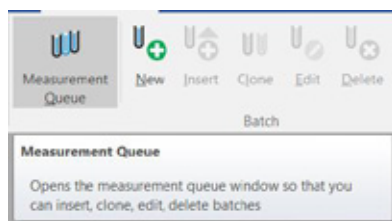


Ribbons are the modern way to help users navigate around a software system reducing the number of mouse clicks required and grouping like functions together.

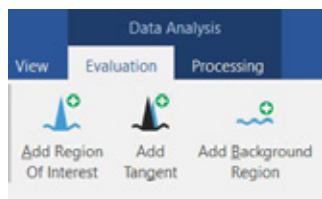
The Ribbons group closely related commands together such as for the measurement functions...



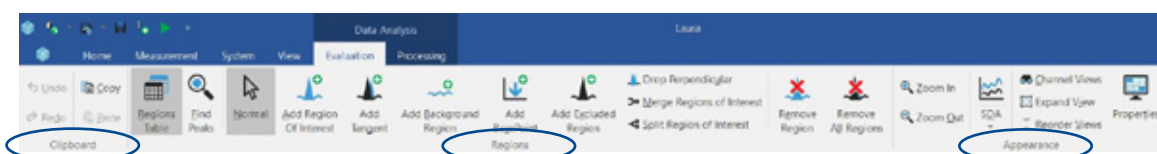
Enhanced tooltips give help with individual commands.



Contextual tabs highlight areas available within a particular function.



A quick access toolbar is available for regularly used functions. For example: measurement start.



Functions are available together in logical tab groups.

The instrument status utility has been updated to support the new Beta-RAM 6 and give relevant instrument specific detail.

Instrument Status	
Status	Counts Radio signal Analog signal
Item	Value
<b>B-RAM 6 Status</b>	<b>Idle</b>
Elapsed Time	0s
Stop Valve	Open
Irs	100 %
Actual Cell Volume	500 µL
High Voltage	1000V/1000V
Window Limits	0-9999 200-5000
Scintillant Flow Rate	<b>0.00 ml/min (OFF)</b>
C-14 PMT Calibration	Not Calibrated
H-3 PMT Calibration	Not Calibrated
Cell Volume	500 µL
Radio 1	<b>501 Counts</b>
Radio 2	<b>501 Counts</b>
Analog 1	<b>-0.2 mV</b>
Analog 2	Off
Left PMT	861 Counts
Right PMT	879 Counts
Random Coincidence	0 Counts

A new parameter is available for reporting which records the analyte detection limit using the calculation detailed in the ICH guidelines (Analyte Standard Detection Limit)

The detection limit (DL) may be expressed as:

$$DL = \frac{3.3 \sigma}{S}$$

where  $\sigma$  = the standard deviation of the response  
 S = the slope of the calibration curve

Functionality has been added to enhance the audit trail function when creating or editing batches. Any change to the batch or measurement queue can now be tracked and reported.

**Audit Reason**

Operator:

Verification:

Project:

Name:

Changes:   
 Edit Batch 5, Sample Name changed from ' ' to '3H std'  
 Edit Batch 6, Sample Name changed from ' ' to '3H std'  
 Edit Batch 7, Sample Name changed from ' ' to '3H std'  
 Edit Batch 7, Val No changed from ' ' to '4'"/>

Reasons List:

Reason:

```

Audit ID: 74
Operator: Super User (A-USER)
Project: Sample Data
Reason: % efficiency test std 110559 3 reps
Changes:
  Edit Batch, Data Collection to changed from 'S' to 'T'
  Edit Batch 5, Sample Name changed from ' ' to '3H std'
  Edit Batch 6, Sample Name changed from ' ' to '3H std'
  Edit Batch 7, Sample Name changed from ' ' to '3H std'
  Edit Batch 7, Val No changed from ' ' to '4'
  Edit Batch 7, Sample
Weight (g) changed from ' ' to '0.00'
  Edit Batch 7, Standard
Weight (g) changed from ' ' to '0.00'
  Edit Batch 7, Cluster
Volume (µL) changed from ' ' to '0.30'
  Edit Batch 7, Cluster
Rate changed from ' ' to '0.00'
  Edit Batch 7, Injection
Volume (µL) changed from ' ' to '0.30'
  Edit Batch 7, Val No 2 changed from ' ' to '0'
  Edit Batch 7, Injection
Volume 2 (µL) changed from ' ' to '0.00'
  Edit Batch 7, Injection
  Edit Batch 7, Injection changed from ' ' to '1'
  Edit Batch 7, CPD No changed from ' ' to '0.30'
  Edit Batch 7, CPD changed from ' ' to '0'
  Edit Batch 7, % Total Residue changed from ' ' to '0.00'
  Edit Batch 7, Residue
Open changed from ' ' to '0.00'
  Edit Batch 7, % AIR changed from ' ' to '0.30'
  Edit Batch 7, Fraction Start changed from ' ' to 'Continue'
Reason: Changing batch details to show audit trail
    
```

Useful hints and information have been added to tooltips on the ribbons to help the user in many areas. For example: associated with the measurement queue...

Measurement Queue

New Insert Clone Edit Delete

Move Up Move Down

**Measurement Queue**

Opens the measurement queue window so that you can insert, done, edit, delete batches

The current measurement is "3H efficiency test std 110559 3 reps Run 5 3H std"  
 There are 3 runs in the queue  
 Estimated completion time of 13:14:00

Additionally, estimated completion time, solvent and scintillant usage, and idle action, are available on the measurement queue toolbar.

Estimated completion time 26 November 2018 13:14 and solvent usage (Scintillant=0 mL) Idle Action is set to Standby

### Instrument support has been added in Laura 6 to support the following instruments and modules...

#### From LabLogic:

- Added support for the Scan-RAM MCA (SR1-D).
- Added support for the Scan-RAM PET/SPECT Dual Detector (SR-1E).
- Support added for the Logi-CHROM Quaternary (LPG) Pump.
- Support added for the Logi-CHROM Multi-Wavelength Detector.

#### Other manufacturers:

- Added support for the Agilent GC 7697A Headspace Sampler.
- Added support for the 14-Port 6-Position valve in the Agilent G1316C column compartment.
- Added support for fraction collectors with the Instrument Control Framework.
- Added support for the Sykam S150/S3120 Conductivity Detector.



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November 2018

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