Using Skyline Batch in Webinar 15

This tutorial covers how to use Skyline Batch to replace the batch scripts in Webinar 15.

Getting Started

Install the latest version of Skyline Batch from:

 Skyline Batch: /home/software/Skyline

To start this tutorial, visit the Webinar 15 page:

Start Page: /home/software/Skyline/events/2017 Webinars/Webinar 15

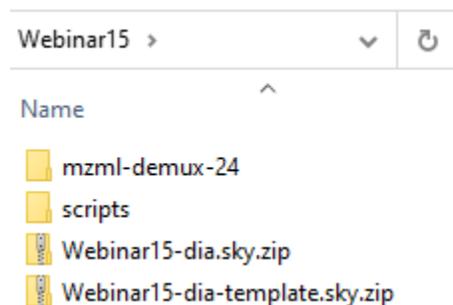From there, download the following zipped folders:

- New Documents
- Scripts
- DIA Demux 1
- DIA Demux 2

For each zipped folder, extract the files to an existing folder on your computer, like:

C:\Users\alimarsh\Documents

This will create a "Webinar15" folder with four new subfolders inside it.

When all the folders have been unzipped, the "Webinar15" folder should look like this:

> *Note: When running a configuration in Skyline Batch, the Skyline template document must be located inside a parent of the analysis folder. Our analysis folder will be inside Webinar15, therefore the template document (Webinar15-dia-template.sky.zip) needs to be in Webinar15.

Setting Up R

Check if you have a "C:\Program Files\R\R-4.0.3" folder. If you do not, go to:

Download R-4.0.3 for Windows. The R-project for statistical computing. (r-project.org)

> *Note: You can use an R-4.0.3 installation located somewhere else on your computer. However, you will have to add your R directory to Skyline Batch.

- Install R-4.0.3 from the link at the top of the page.

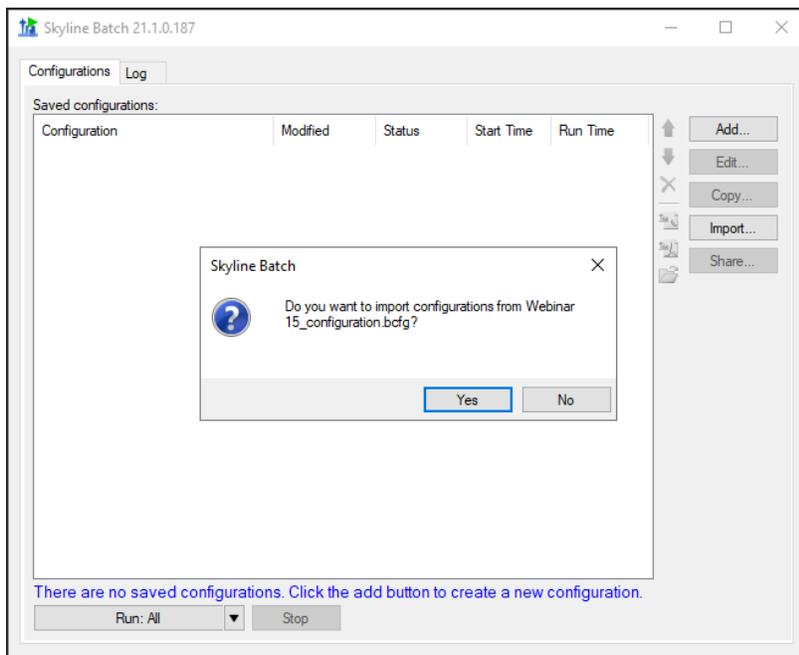When it is done downloading, the setup installer will open.

- Click the **Next** button until you see a green Installing progress bar.
- Click the **Finish** button.

Importing a Configuration

- Navigate to "Webinar15\scripts"
- Double-click on Webinar 15_configuration.bcfg to open Skyline Batch

Skyline Batch looks for Skyline when you open it the first time. If it does not find it, you will see a form to specify the path to the Skyline directory. Do that.
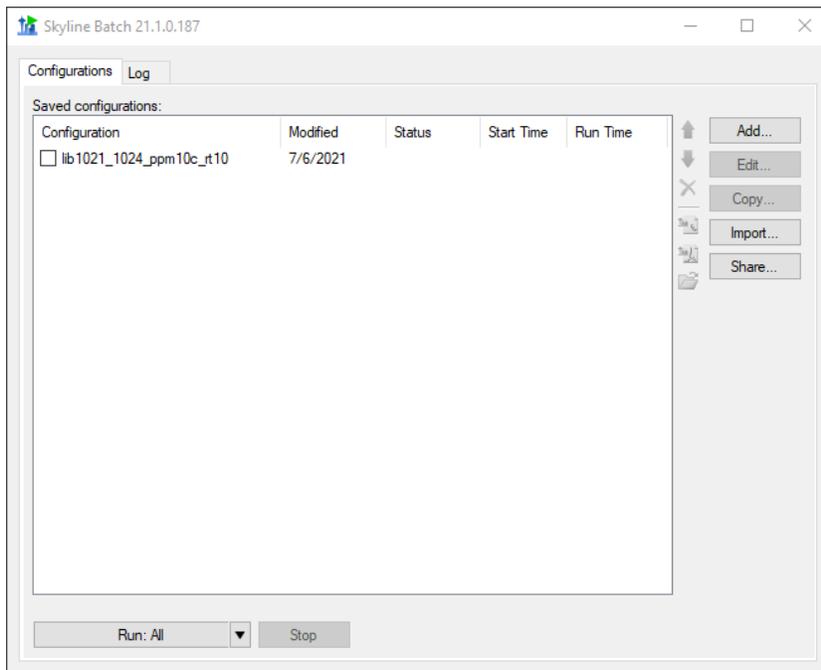
The main window will appear, with a dialog asking if you want to import configurations from Webinar 15_configuration.bcfg:

- Click **Yes**.

*Note: If your R-4.0.3 is not located in "C:\Program Files\R," a dialog will appear asking if you would like to add an R installation directory. Do that now.

The main window will now display your imported configuration:
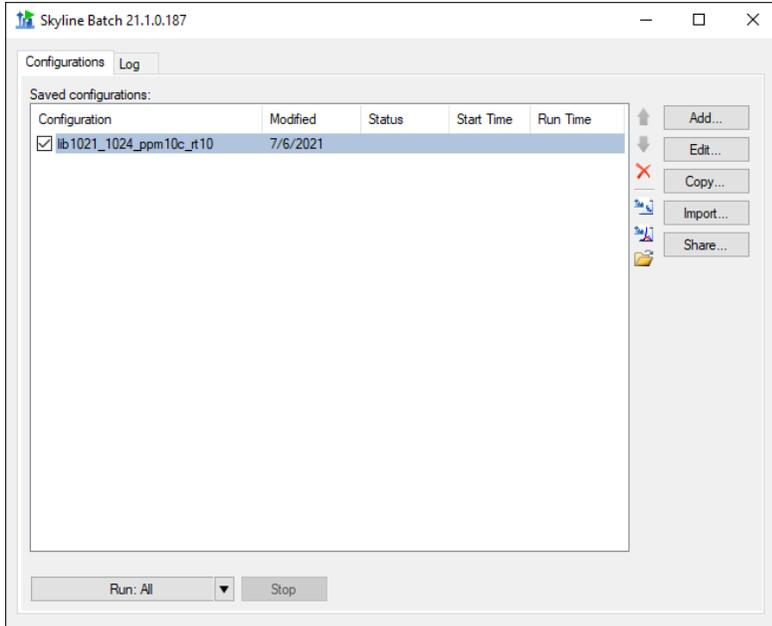

If you set everything up using the file format in the **Getting Started** section, the configuration should appear in black.

If the configuration appears in red, double-click it to fix the missing information in the **Configuration Set Up Manager**.

Running a Configuration

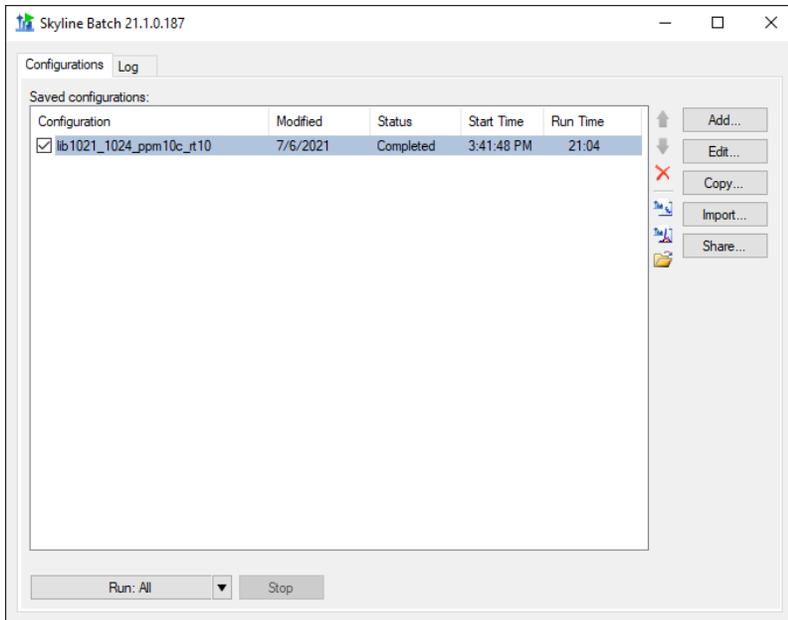- Check the checkbox next to "lib1021_1024_ppm10c_rt10"

The main window should now look like this:

- Click the **Run: All** button.

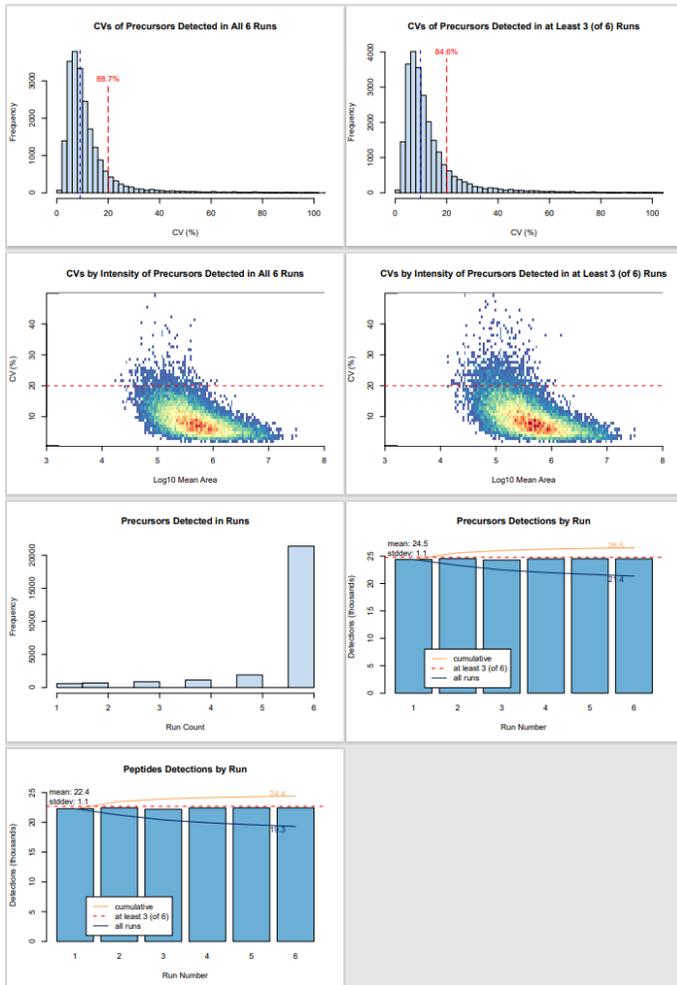Skyline Batch brings you to the **Log** tab to show the output of running your configurations.

Switching back to the **Configurations** tab, you can see the status of your configuration. Wait until the status is **Completed** (this takes around 30 minutes on a fast Intel i7 computer with plenty of memory):

- Click on "lib1021_1024_ppm10c_rt10"
- Click the Open Folder icon.

This opens the configuration's analysis folder.

You will find PeakAreasCvs.pdf with 7 familiar plots from Webinar 15:

If you want to learn more about Skyline Batch, visit the documentation at:

Microsoft Word - SkylineBatchDocumentation (washington.edu)