Biotage

Please see Amanda for training before your first use.

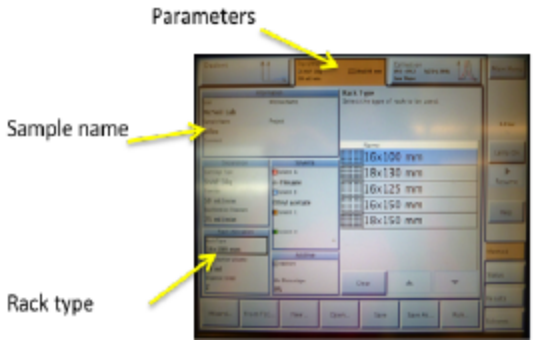
Sample Preparation

1. Concentrate your sample into a solid or an oil. (You can also dry load your sample onto silica and pack it into one of the SNAP columns.)
2. Run a TLC on your compound that needs purification and determine its Rf value along with the Rf values of all impurities.

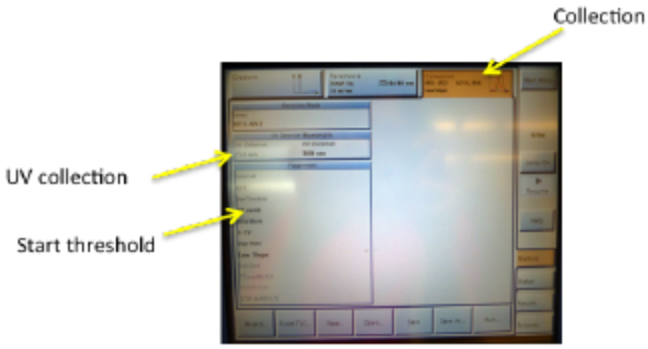
Running a Sample

1. Press **Lamp On**. (Note that the lamp has a 7.5 min warm-up time.)
2. Select **Solvents** tab and make sure the solvents that you want to use are filled. Check also to see how full the waste bottle is at this time.
3. Then select the **Method** tab. At the bottom of the screen select **From TLC...** Enter your pre-determined TLC conditions along with the Rf values you calculated. Select the appropriate column size you are using at this time and press close.

4. At the top of the screen open the **Parameters** tab, select the solvents, cartridge type, and rack type to be used. Enter a sample name for the run.



5. At the **Collection** tab, select the UV wavelengths and start threshold.



6. At the **Gradient** tab, review the elution gradient and if needed, drag the blue line to modify the gradient. (Select the **equilibrate** button if elution of the column is desired.)
7. Load the cartridge and racks onto the system. Ensure that the tubing is securely attached.
8. Press **Run**.
9. In the **Run Parameters** dialog box, select the appropriate rack positions.
10. To start the run or equilibration, press **Play**.
11. After equilibration is done. Select the **Load sample** button and inject your sample on to the column. Afterwards, select **Gradient** to run the sample.

Processing the Data

1. When the run is complete all the data will be stored under the **Results** tab.
2. In the **Results** tab select the different fractions collected, the gradient used, and the time of the entire run.