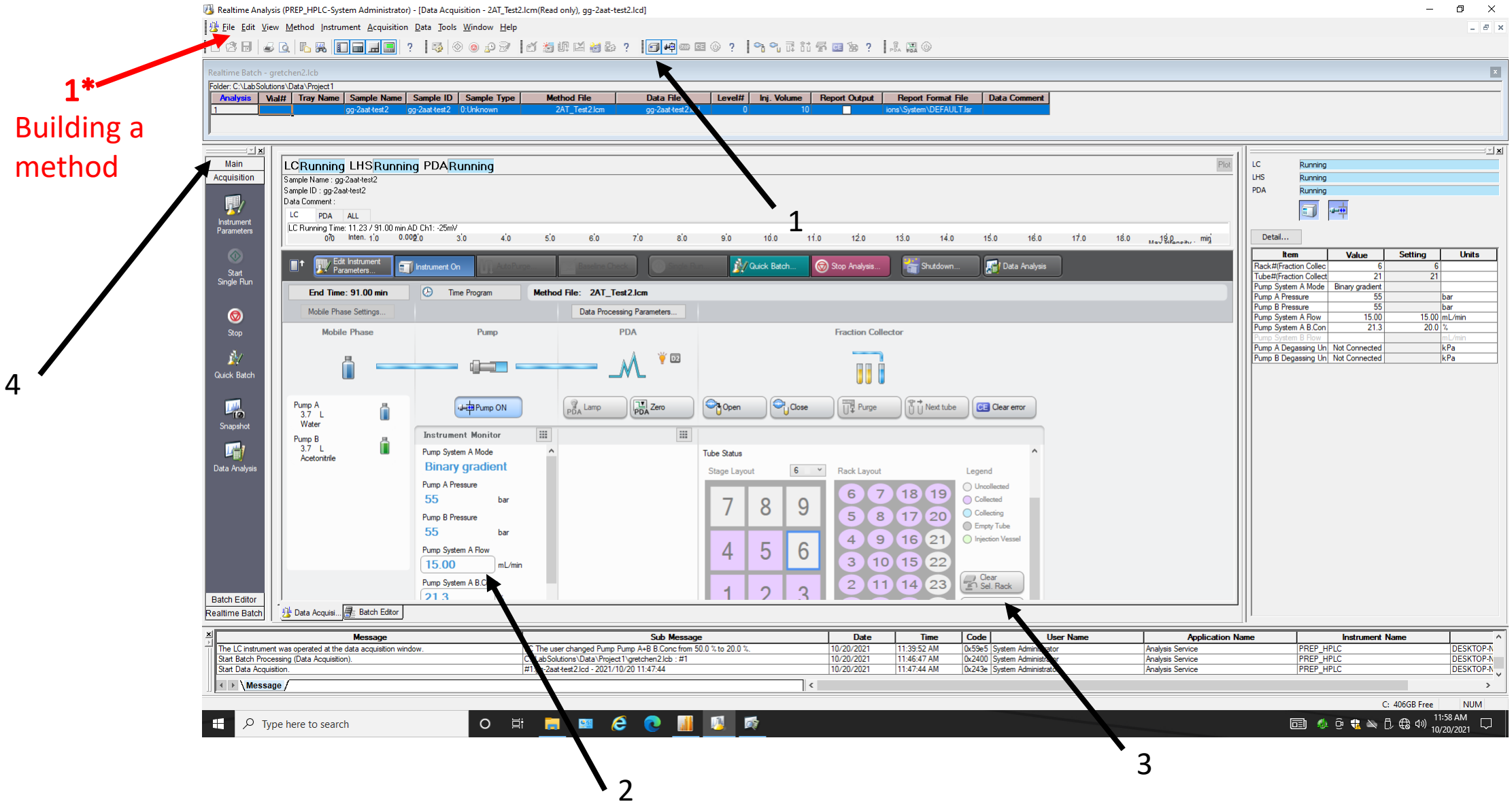
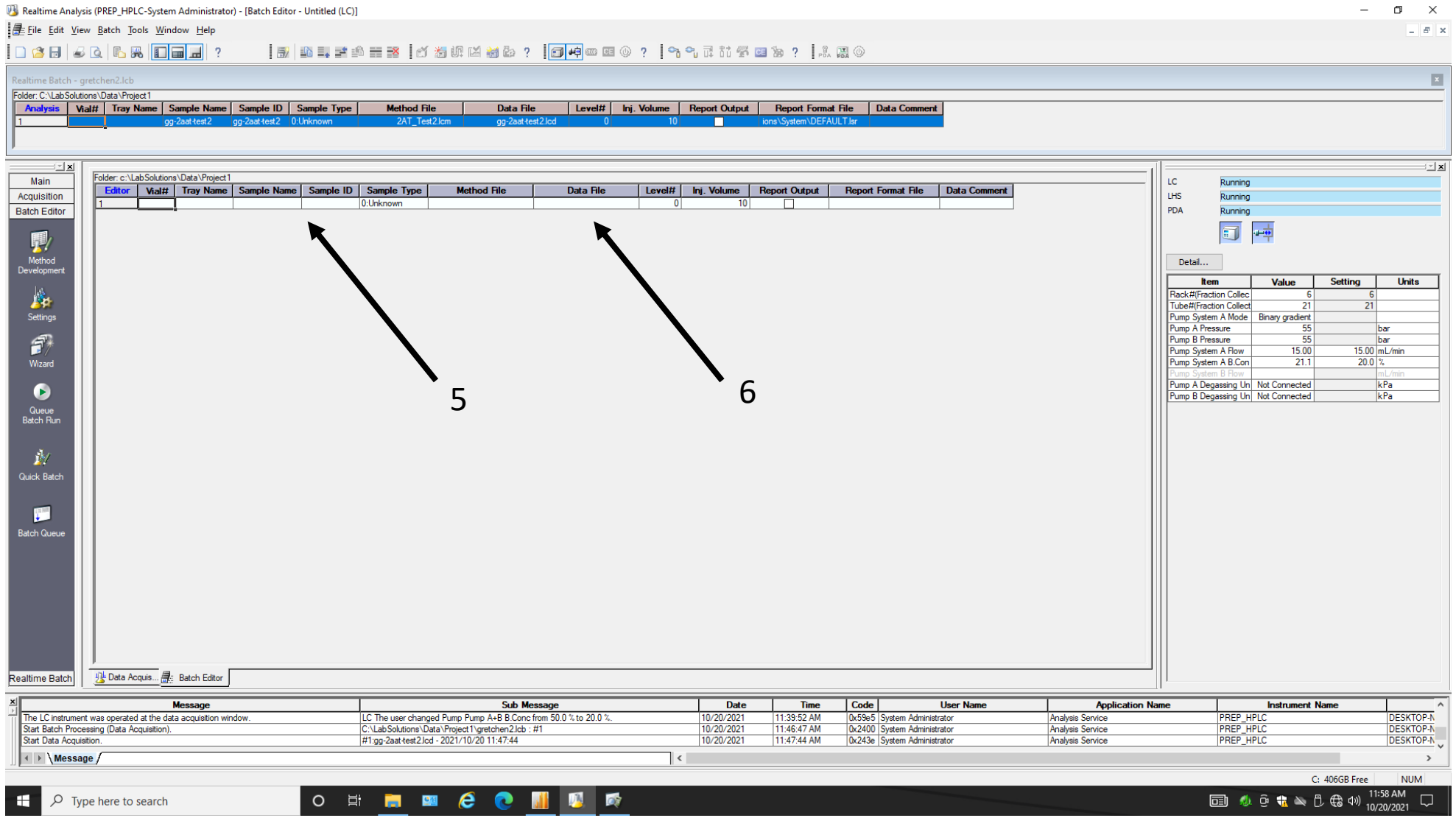
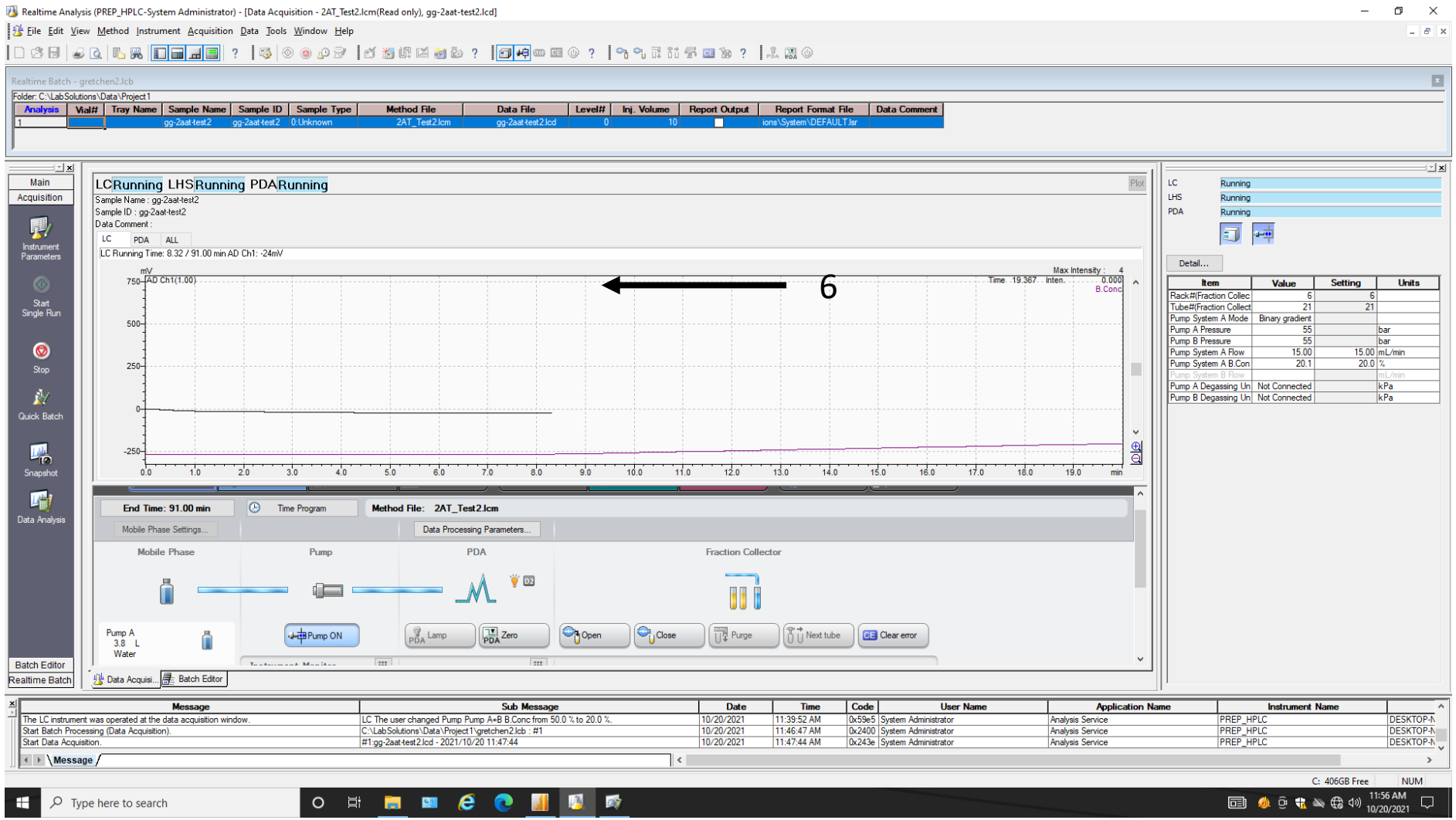



1. Turn instrument on.
2. Set pumps to equilibrate at desired injection percent.
3. Set rack location.
4. Navigate to Main -> realtime batch->file tab-> open batch-> pick your name




5. Insert file information.

6. Make sure to select your name-> data folder-> name sample to ensure your data saves to your folder. Highlight only desired line you wish to run. Select queue batch run when ready. Insert name of file to save when prompted. Approve shutdown file “ok”.



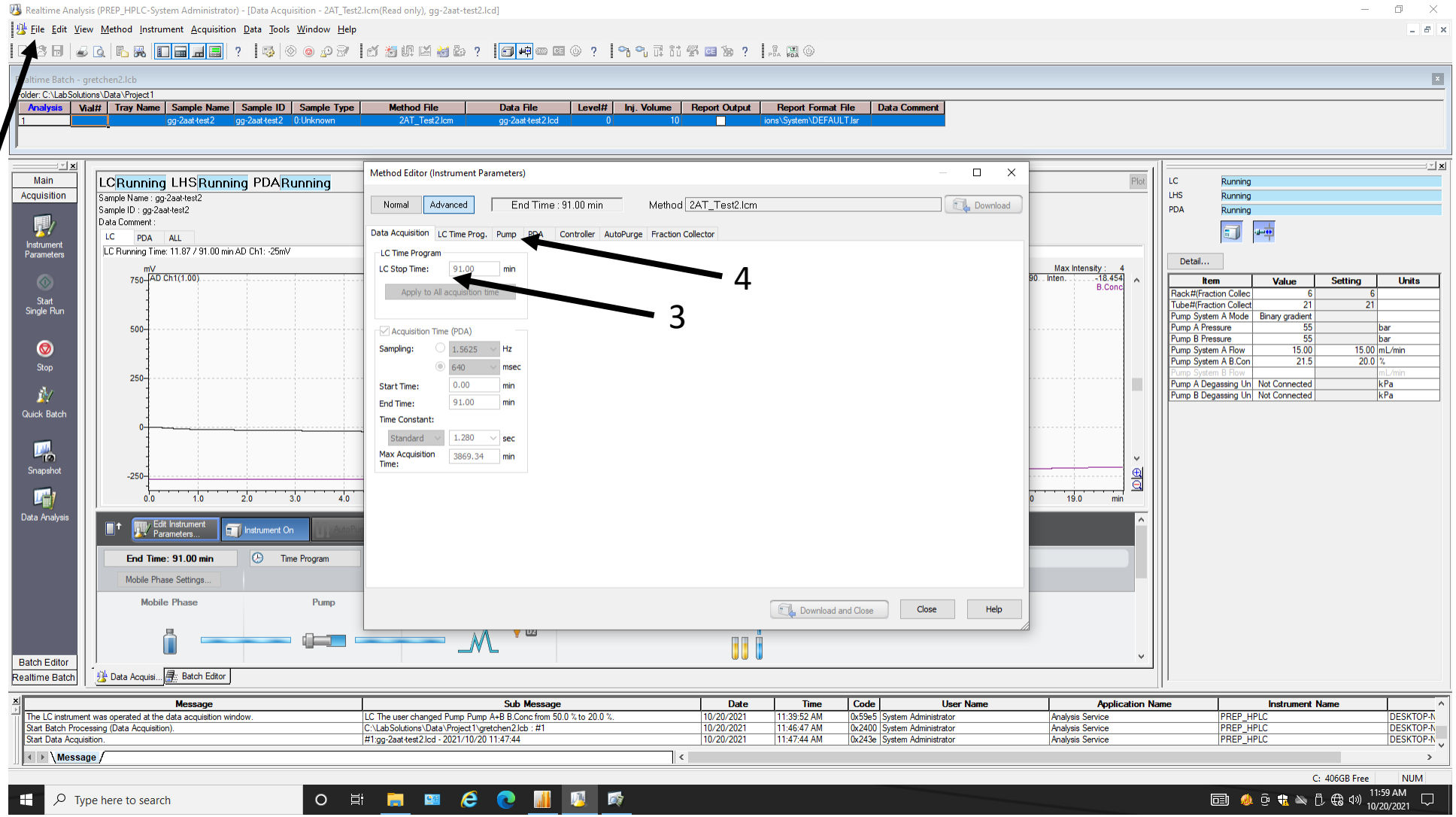

Collection is automatically triggered when sample is injected.

6. You can adjust what is displayed with right click->display settings (i.e. percent B, 214 nm, 220 nm, pressure, etc)

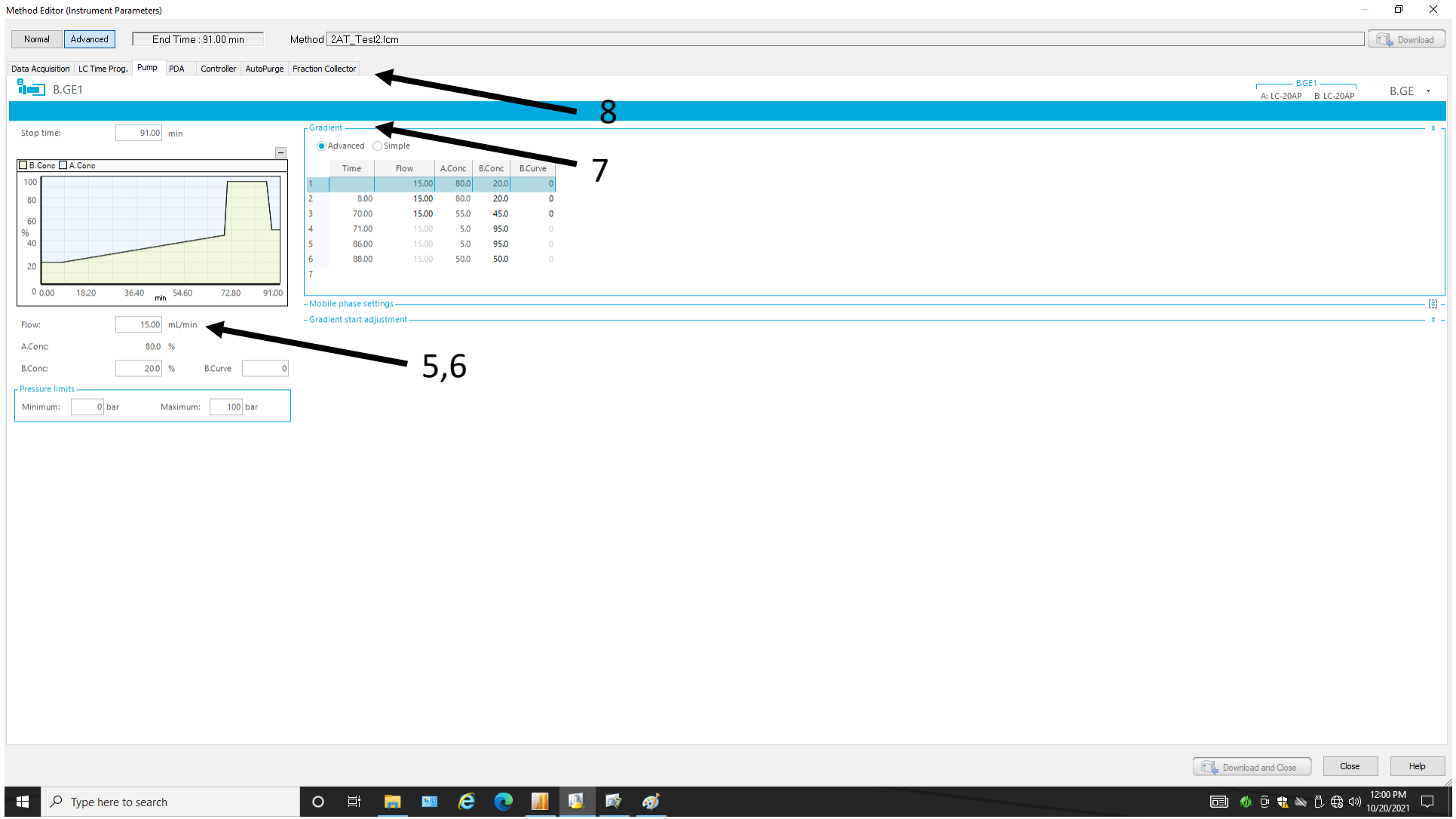
1*

# Building a method

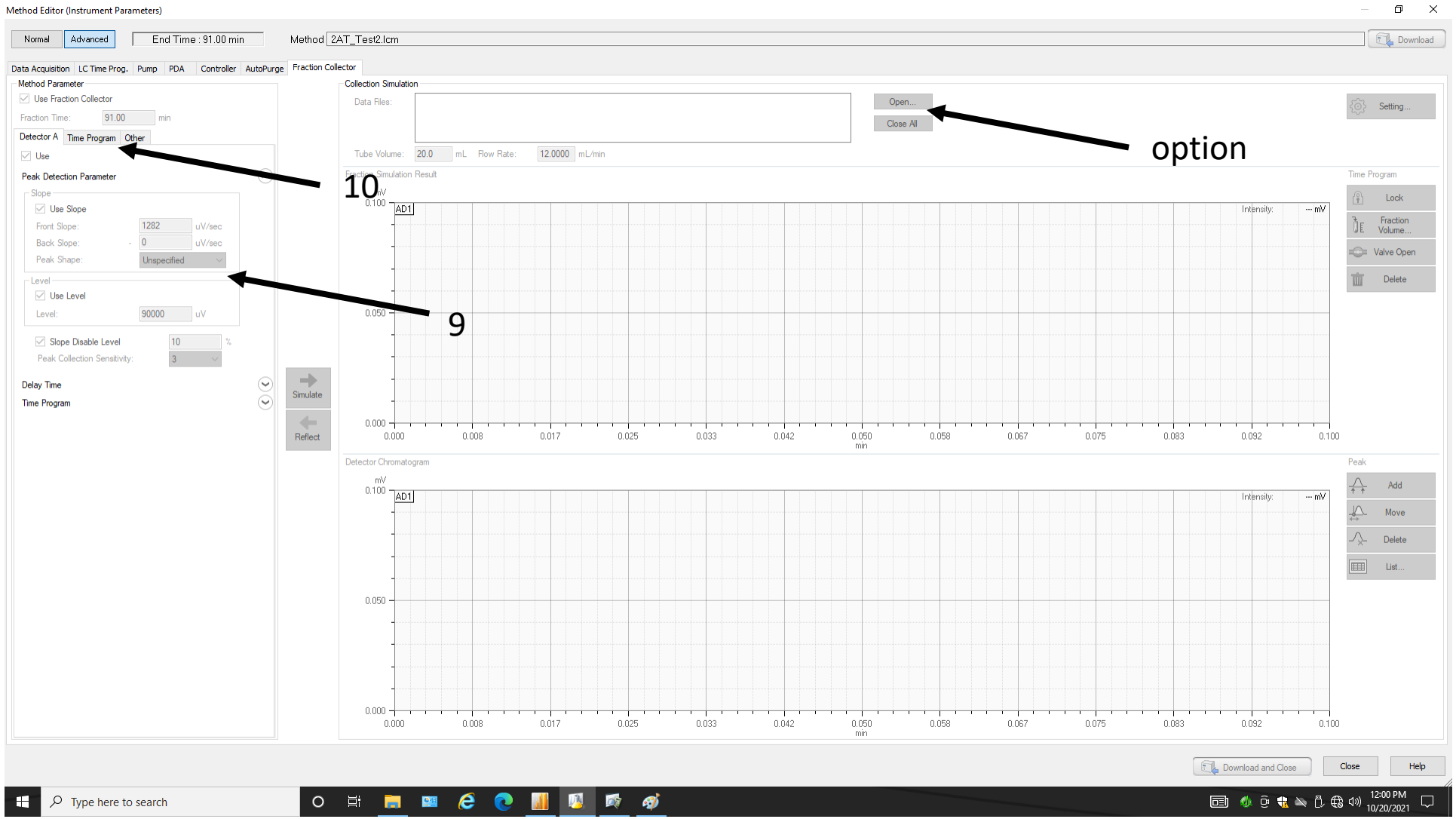
2




2. File->open method->your folder->methods->Generic Method. Pops up with this edit window.
3. First, adjust total time of run desired (including flush at 95%). Select “apply to all”
4. Navigate to pump tab.

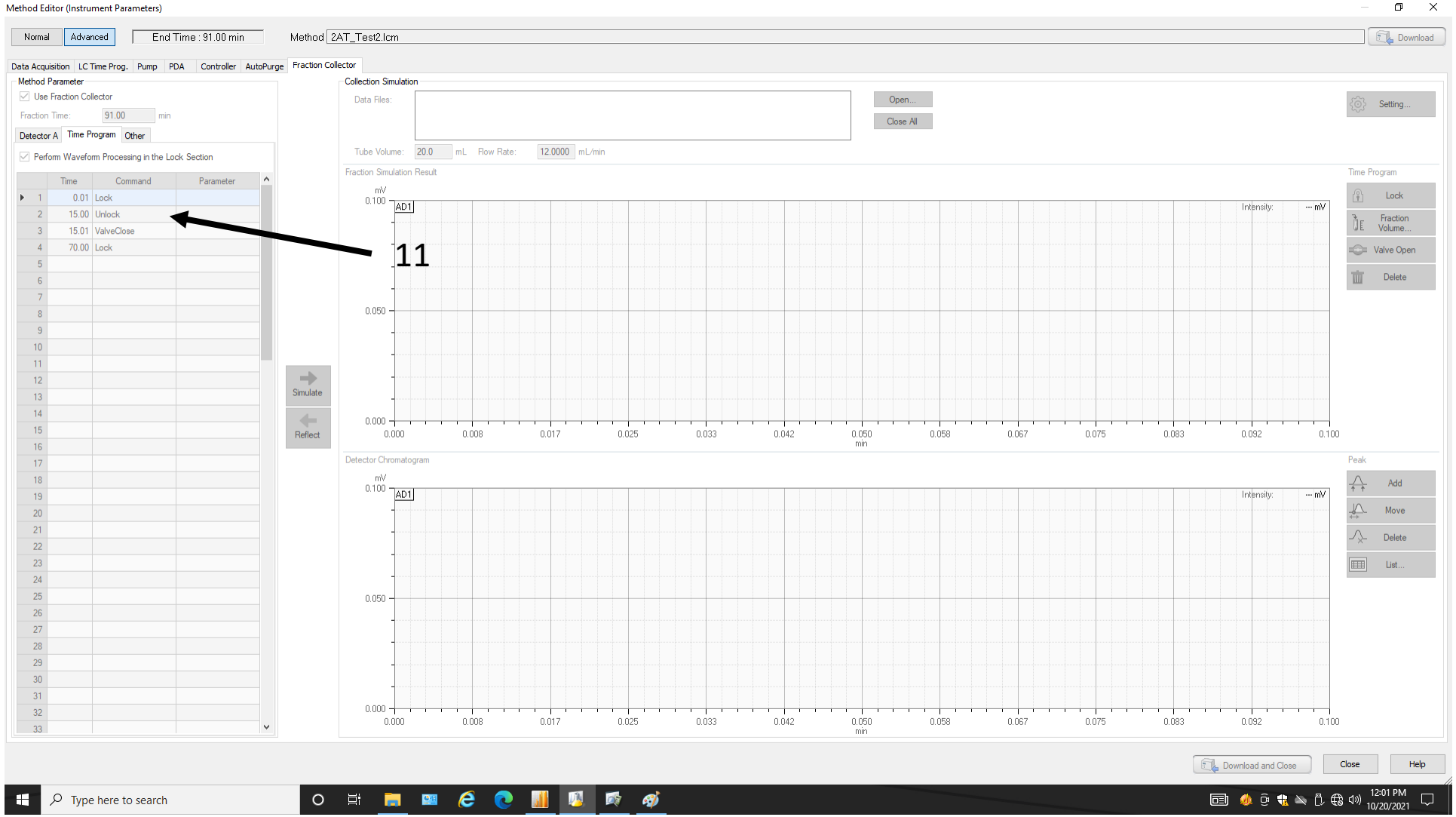



5. Set starting flow rate (between 10-20 ml/min).
6. Set starting percentage.
7. Navigate to gradient tab. Here select the gradient you desire. Include 95% flush for at least 10 minutes after your gradient.
8. Navigate to fraction collector tab.




9. You can adjust the minimum threshold desired before collection is triggered. You can also adjust the slope. *Option* to load past sample and use previous data to determine desired minimum and slope.

10. Navigate to time program.

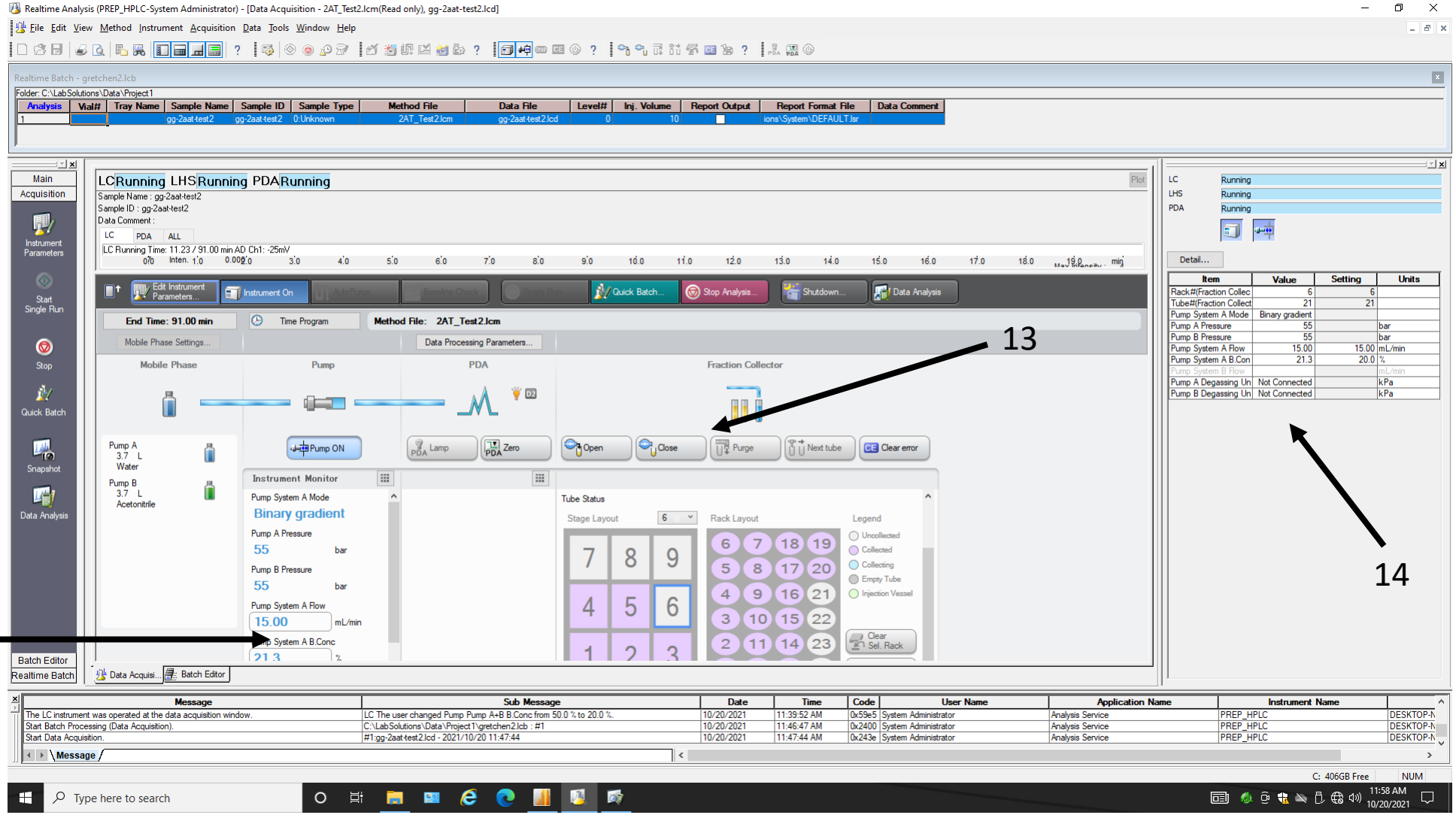



11. Using time program, you can tell the system when you would like to collect fractions. (It does not like time 0.00. Start with 0.01)

”Lock” indicates that even if your threshold minimum is met, it will not collect. “Unlock” must be done following lock if you wish to collect. “Valve close” will remain closed UNTIL your threshold minimum is met. “Valve open” will collect all.

You can open/close in real time as well.

Real time changes




12. You can adjust flow rate and percentage in real time but it will NEGATE the gradient you set up. You are now going full manual mode.
13. Buttons to open valve/close valve/next tube/clear error.
14. General run information.

# special notes:

- After selecting open/close valve or next fraction, there is a time delay (~5 s). Do not be alarmed.
- Once the injection loop is opened to load and closed to inject, it will trigger your run. Only do this when you are ready. If you flip it more than once, your run will stop.
- Instrument maxes out pressure at 100 bar. You can monitor your pressure on the far-right panel.
- Make sure you are saving YOUR runs/methods/batch files/data into YOUR folder.
- Change flow collection vessel in the back of the injection loop before injecting.
- Peptides appear to elute a few %B later than the Rainin system (more similar elution percent to the biotage)