

## 9.2 Perkin Elmer FT-IR Operation Guide<sup>1</sup>

1. Turn on Computer, Screen and Printer. IR stays on all the time do not turn IR off.
2. Click FTIR
3. On right side double click spectrum express
4. Put in User name and Password students/students
5. In left margin click on sample view
6. Place a background sample in machine IR card if you are using one
7. Click background after it runs prepare your sample on an IR card using a glass pipette add one tiny drop of sample gently spreading it on the IR card and let it dry briefly then pull up on the instrument door and insert the IR card into the card holder pushing it down gently all the way then shutting the instrument door (cover). *Check with the TA for workup and preparation of a solid sample.*
8. Click scan at top right
9. Click on text to add a name to the spectrum
10. Click on label to mark peaks with wave numbers
11. Use left mouse to move labels around on the spectrum
12. Right click on spectrum then appearance to change color for printing
13. Click on file then print
14. Delete all your sample files
15. Remove your samples from IR
16. Clean area around IR and take all your samples with you
17. X out of the menu
18. Choose turn off computer from start menu
19. Shut of printer and screen
20. IR REMAINS ON AT ALL TIMES

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