Ensuring that the ATR crystal (A) is clean of any material

Starting software

1. Click the OPUS icon (appropriate for the user)
2. Username & Password (appropriate for the course)
3. Do not place sample onto crystal (A); keep anvil (C) in the up position
4. Allow the Alpha-P to run diagnostic test
   a. When finished you will be prompted to 'CONTINUE' or 'RUN Background'
   b. Run 'Background' once completed, press 'CONTINUE'

Analyzing samples

Analysis flow follows the Icons from LEFT to RIGHT

Ensuring that the ATR crystal (A) is clean

1. Click on the measurement icon
2. Start background measurement; keep anvil (C) in the up position
3. Enter sample name once the buttons are no longer grayed out
4. Sample loading
   a. Introduce the liquid sample (1 drop) on to the ATR crystal (A), keep anvil (C) in the up position
   b. Place the solid sample so that it covers the ATR crystal (A). Gently press down on the anvil (C) till it makes contact with the sample. If necessary rotate the anvil arm (B) to ensure full contact is made with the crystal
5. Start sample measurement

Evaluation of data

1. If the sample requires baseline correction click the icon
2. Click on the icon to run a standard peak pick of the spectra
   a. Right-click mouse and choose Single Peak Pick for manual selection
3. Click on the icon to print your spectra
4. Click on the icon to remove your spectra from the workspace
5. Remove your sample and clean the surrounding area and the ATR crystal (A) before departing