3.3 Profiling

Purpose: To maintain the optical alignment during operation.
-From main menu using arrow key move cursor to **SETUP**.
-Move arrow to **PROFILE** then press **ENTER**
-Press **F3 = Automatic**.
-Press **F1 = Run**.
-Peak position should read between –1 and 1
 (if peak position is out of this range then manual profile is required. Press
 F1=manual then follow the procedure).
-Press **F9 = Done.**

3.4 Run Summary – Standardization/analysis

-From main menu using arrow key move cursor to **OPERATION**
- Move arrow to **Analysis.**
-Press **Enter.**
-Press **F6** (List) to view all of the existing methods..
-Choose the method that you want to run.
-Type in the method number.
-Press **Enter** twice.
-Press **F3 (Standardize)** to start the standardization.
-Run **Blank.** Let the solution reaches the nebulizer then press **F1 (Run).**
-Run **Standard(s)** as required or repeat this process to standardize the rest of the
 standards
-Press **F9** (done) twice. At this point, the standardization Report will be printed.
 Review data on the reports to ensure the calibration curve is acceptable.
-Run certified check standard(s) to check for the linearity of the calibration curve
by:
-Press **F1 = (Analyse).**
-Enter Sample name, I.D., Correction factor (if any) i.e.

$$\text{Correction factor} = \frac{\text{Weight of Standard}}{\text{Weight of Sample}}$$

-Press **F1 (Run).**

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