In accordance with Beer's law, there are only three things you can do to obtain increased analyte response in UV detection:

1, The first is increasing the analyte concentration.

2. The second is increasing the path length of the UV flow cell.

To do this, you could use an instrument with or allows a longer path length.

3. The third is to increase the value of the molar extinction coefficient.

You can do this by operating at a wavelength corresponding to the Lambda max of the analyte.

You normally do not want to go over approximately 1000 mAU because deviations from the ideal linear behavior predicted by Beer's law can result above this region.

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