

- ✓ When the tuning criteria for GCMS are not met, please check the stune setting (*) before repeat.
- ✓ Repeat the tuning. If the tuning criteria for GCMS are met, the GCMS can be used to perform analysis.
- ✓ If the **tuning criteria for GCMS are not met** after repeat, please notify the officer. The instrument SHOULD NOT be used to perform analysis until checking is done to ensure the instrument meets the predefined criteria.

(*) To verify if the stune criteria are set and working correctly:

- 1) Load stune.
- 2) Go to “Tune”. Click “Tune Wizard”
- 3) Please ensure the stune criteria are correct (see below):

<p>A. SET TUNE MASSES Tune Mass 1 = 69 Tune Mass 2 = 219 Tune Mass 3 = 502 Click OK</p>
<p>B. TUNE LIMITS 69 Abund, Target, counts (1E5-2E6) = 250000 Peakwidth Target, amu (0.4-0.8) = 0.55 Maximum Repeller (10-42.84) = 20 Emission Current (10-300) = 34.6 Maximum Ion Focus (40-127.5) = 90 Click OK</p>
<p>C. TUNE TARGETS mass 69= 100% Mass 50 target (0.3-5%) = 1 Mass 131 target (20-120%) = 55 Mass 219 target (20-120%) = 45 Mass 414 target (0.3-10%) = 3.5 Mass 502 target (0.3-10%) = 2.5 Click OK</p>
<p>D. IONS FOR SIGNAL MAXIMUMS Ion for Ion Focus Maximum (1,2,3) = 3 Ion for Repeller Maximum (1,2,3) = 2 Click OK</p>

- 4) Save as “stune”.
- 5) After save, perform tuning using **s.tune**. Once tuning is completed, save it as “stune”. **PLEASE ENSURE THE FILE NAME IS CORRECT BEFORE SAVE (stune).**