Post run evaluation Acceptable Value Initial

1. Paste ref. tank data to performance file
2. Standard deviation of reference sets <0.015/<0.035‰
3. Standard deviation of trap <0.015/<0.035‰
4. Mean standard error of δ45 ~0.005‰
5. Max standard error of δ45 <0.02‰
6. Mean standard error of δ46 <0.008‰
7. Max standard error of δ45 <0.02‰
8. Drift of mean ~0.1/0.15‰
9. How many pair differences? ☹ if >3

Starting the next run Initial

1. Crunch the data and save old message log 1.
2. Unload previous samples, marking sample sheet 2.
3. Load more samples 3.
4. Replace water trap 4.
   1. Ethanol changed? a.
5. Pump out water trap 5.
6. Confirm liquid nitrogen levels 6.
7. Pump up to closed samples 7.
8. Wait a few minutes, check vacuum on samples and water trap 8.
9. Tune with a center scan, others if needed 9.
10. Make session 10.
11. Paste session to IonVantage, check ports, etc. 11.
12. Start, go through prompts 12.
13. After confirming first sample is okay, open flasks and check PFP’s 13.

NOTES: