

Recommended LC/MS QTOF Shutdown Procedures

Many Thanks to RSS April Holcomb for developing this procedure.

Shutdown/Vent Procedure for 6530, 6545, 6545XT, 6550, 6560 (NOT 6546)

1. Place system into Standby
2. Wait 30 minutes for source to cool off.
3. Select Vent in MS Tab of QTOF
4. Wait 30 minutes after starting vent
5. Check vacuum in MS actuals screen (760 torr is atmosphere)
6. Run SmartCard shutdown script. **(NOTE: DO NOT PRESS OK UNTIL STEP 7 is COMPLETED)**
7. Go to main power switch on QTOF and switch to OFF
8. After vent is complete, Source should be COLD. Remove spray shield, place Thick GC rubber septum inside spray shield and place back onto system.
9. Turn off the power to the PC and monitors
10. Turn down pressure on N2 Gas lines to 0 psi and turn valve off
11. Disconnect the nitrogen line between the valve and the filters
12. Cap the nitrogen tube going to the filters with a Swagelok cap
13. Unplug the power cords from the system

Shutdown/Vent Procedure for 6546 QTOF

1. Confirm that there is an isolation valve installed at the rough pump.
2. Place instrument in standby mode
3. Turn Collision Cell Gas off
4. Remove spray shield and capillary cap
5. Install septum and secure with the spray shield
6. Vent the system and wait for turbos to spin down (20-30 mins)
7. Verify that the rough vacuum goes down to < 200 mTorr
8. Run SmartCard shutdown script. **(NOTE: DO NOT PRESS OK UNTIL STEP 9 is COMPLETED)**
9. Turn off the power (front power switch)
10. Wait 5 seconds
11. Close the isolation valve on the rough pump
12. Turn off the nitrogen at the gas source valve
13. Disconnect the nitrogen line between the valve and the filters
14. Cap the nitrogen tube going to the filters with a Swagelok cap
15. Unplug the power cords from the system