

1. Mass assignment for tuning masses (actual m/z): 69.00, 219.00, 502.00 (+/- 0.2 amu)
2. Peak width (Pw50) of tuning masses: 0.55 (+/- 0.10 amu)
  - a. Generally smooth and symmetrical in shape
3. Base peak shall be mass 69
  - a. Relative Abundance (Rel Abund) for Mass to Base Peak:  
69 = 100%  
219 to 69 = 40 – 85%  
502 to 69 = 2 – 5%
4. Isotopic Ratios (Iso Ratio):  
70/69 = 0.5 – 1.6  
220/219 = 3.2 – 5.4  
503/502 = 7.9 – 12.3
5. The abundance of peaks less than 69 amu shall not be greater than 10% of the 69 base peak
  - a. Peaks at 18 (H<sub>2</sub>O), 28 (N<sub>2</sub>), 32 (O<sub>2</sub>), 44 (CO<sub>2</sub>) may indicate an air leak  
- these values are located under the “air/water” check portion of the tune report