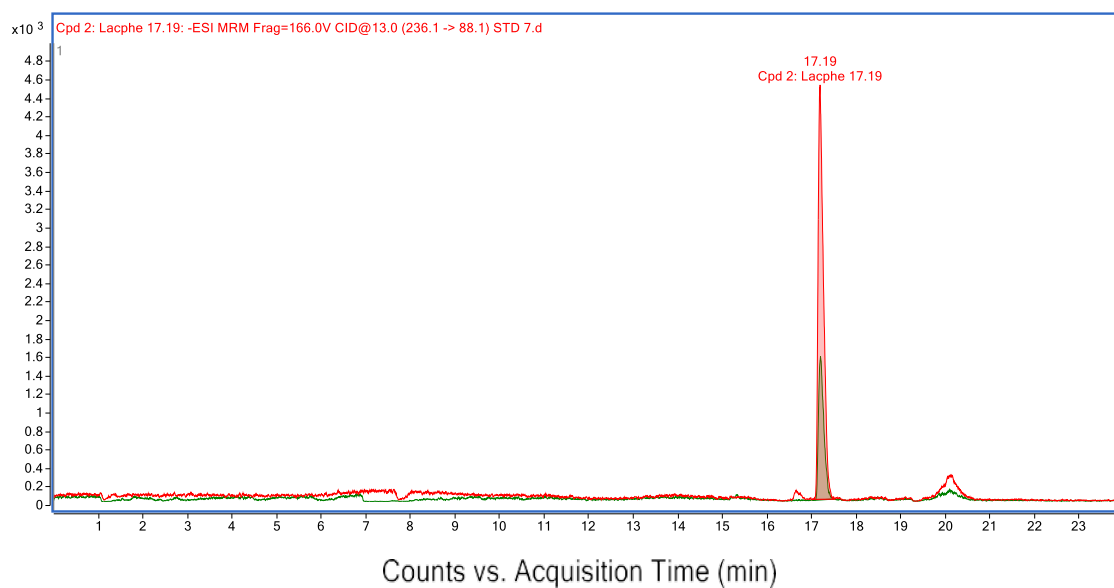


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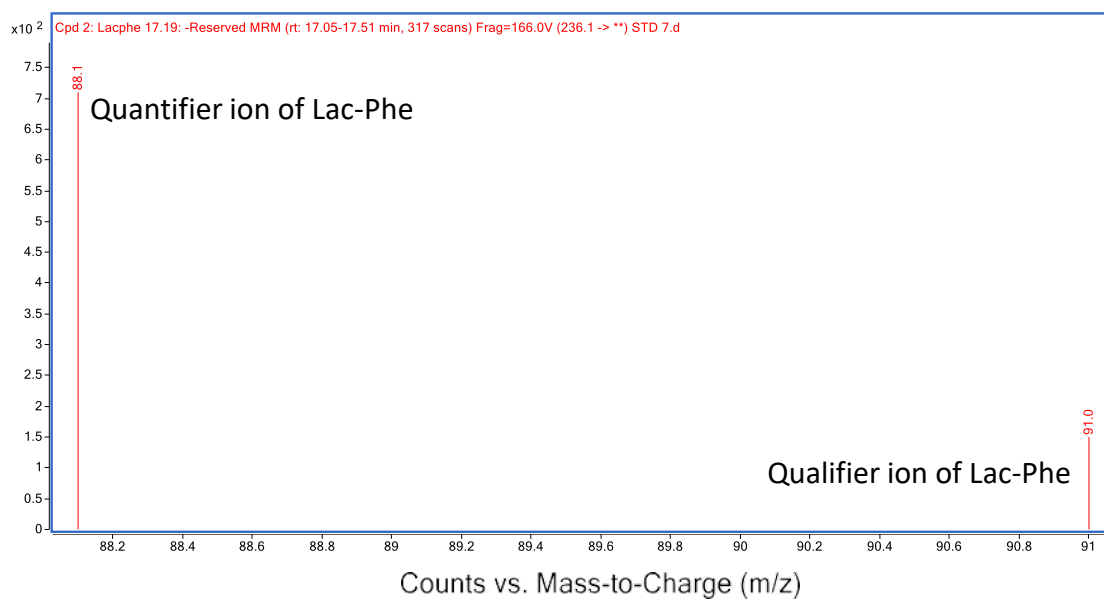
- **Appendix Figure S1A** **Page 1/3**
Chromatogram displaying the retention time of Lac-Phe in a serum sample (green trace) compared to the authentic chemical standard (red trace).
- **Appendix Figure S1B** **Page 2/3**
Mass spectrometry results showing the quantifier ion at m/z 88.1 and the qualifier ion at m/z 91.0 for Lac-Phe.
- **Appendix Figure S1C** **Page 3/3**
Standard curve for calculating absolute values of Lac-Phe.

Appendix Figure S1A



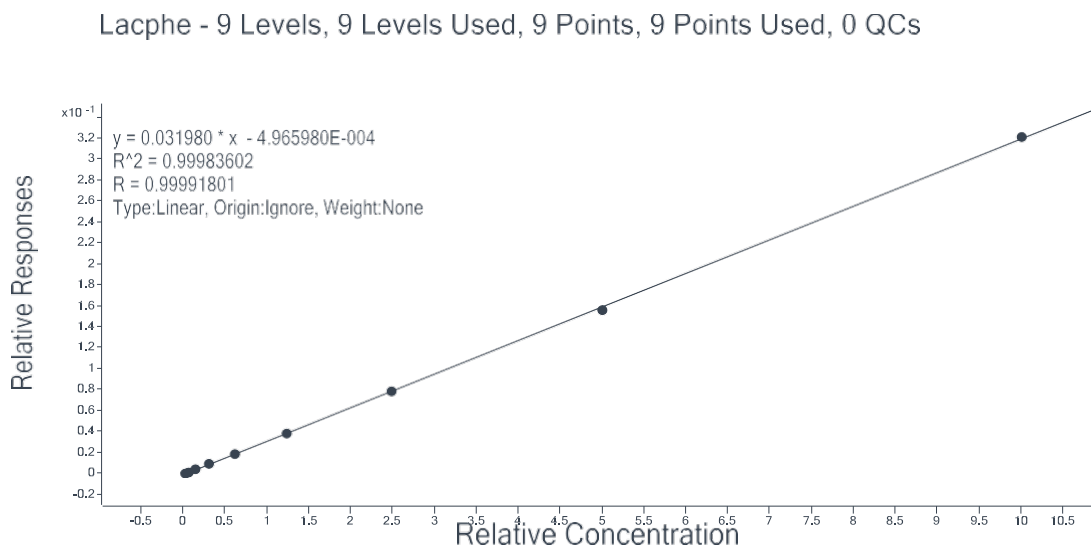
Appendix Figure S1A: Chromatogram displaying the retention time of Lac-Phe in a serum sample (green trace) compared to the authentic chemical standard (red trace).

Appendix Figure S1B



Appendix Figure S1B: Mass spectrometry results showing the quantifier ion at m/z 88.1 and the qualifier ion at m/z 91.0 for Lac-Phe.

Appendix Figure S1C



Appendix Figure S1C: Standard curve for calculating absolute values of Lac-Phe.