Supplemental Information

Intact protein mass spectrometry reveals intraspecies variations in venom composition of a local population of *Vipera kaznakovi* in Northeastern Turkey

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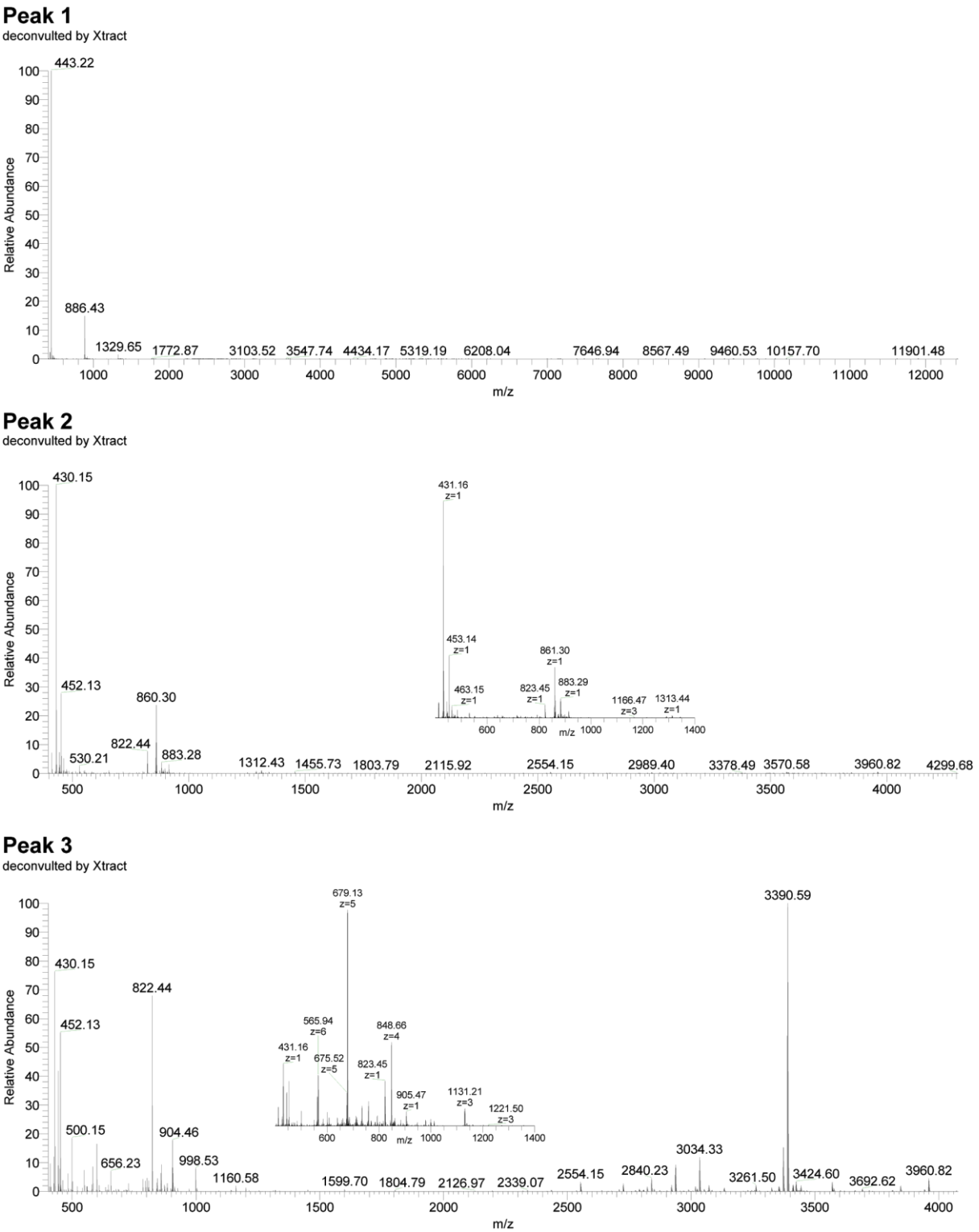
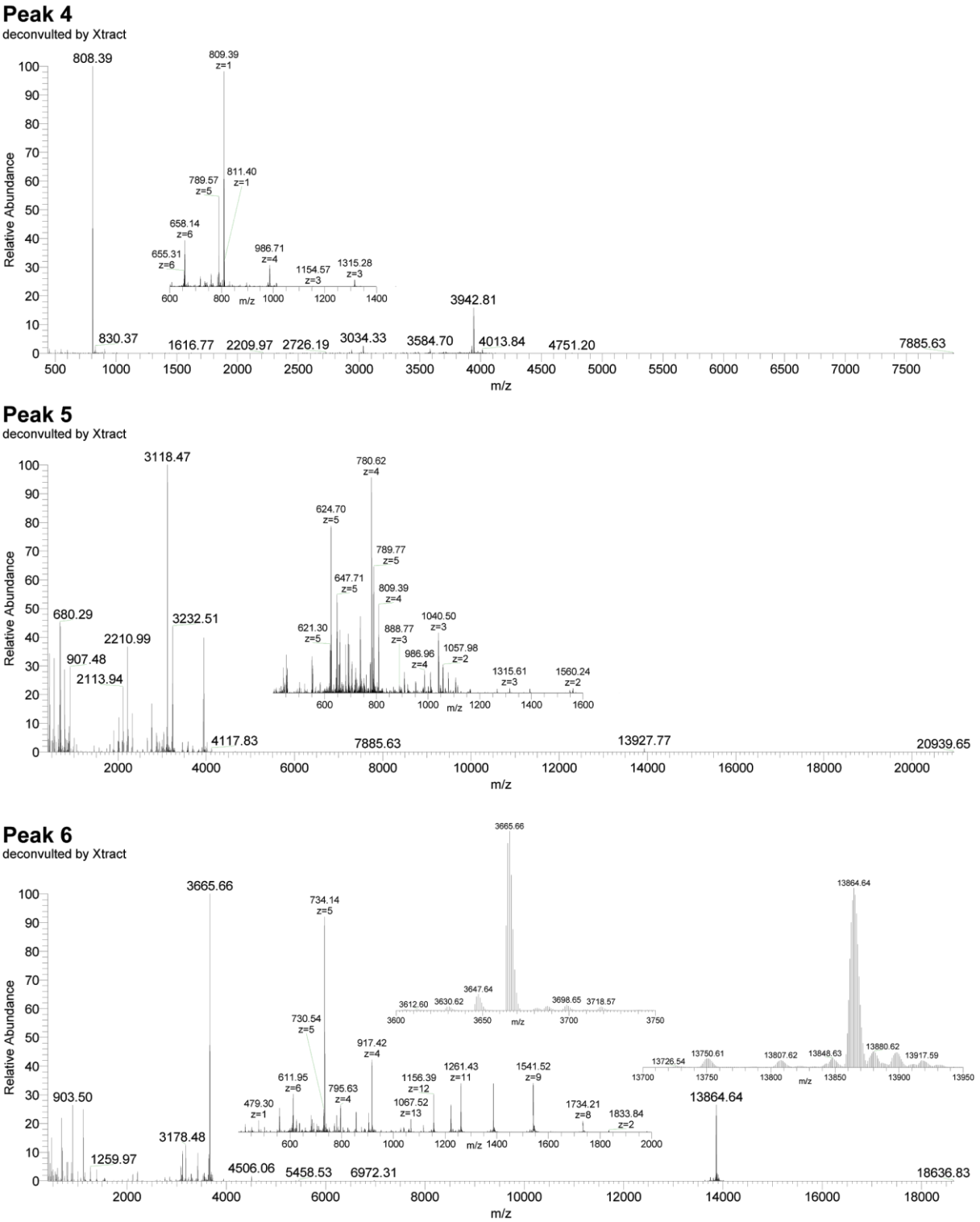
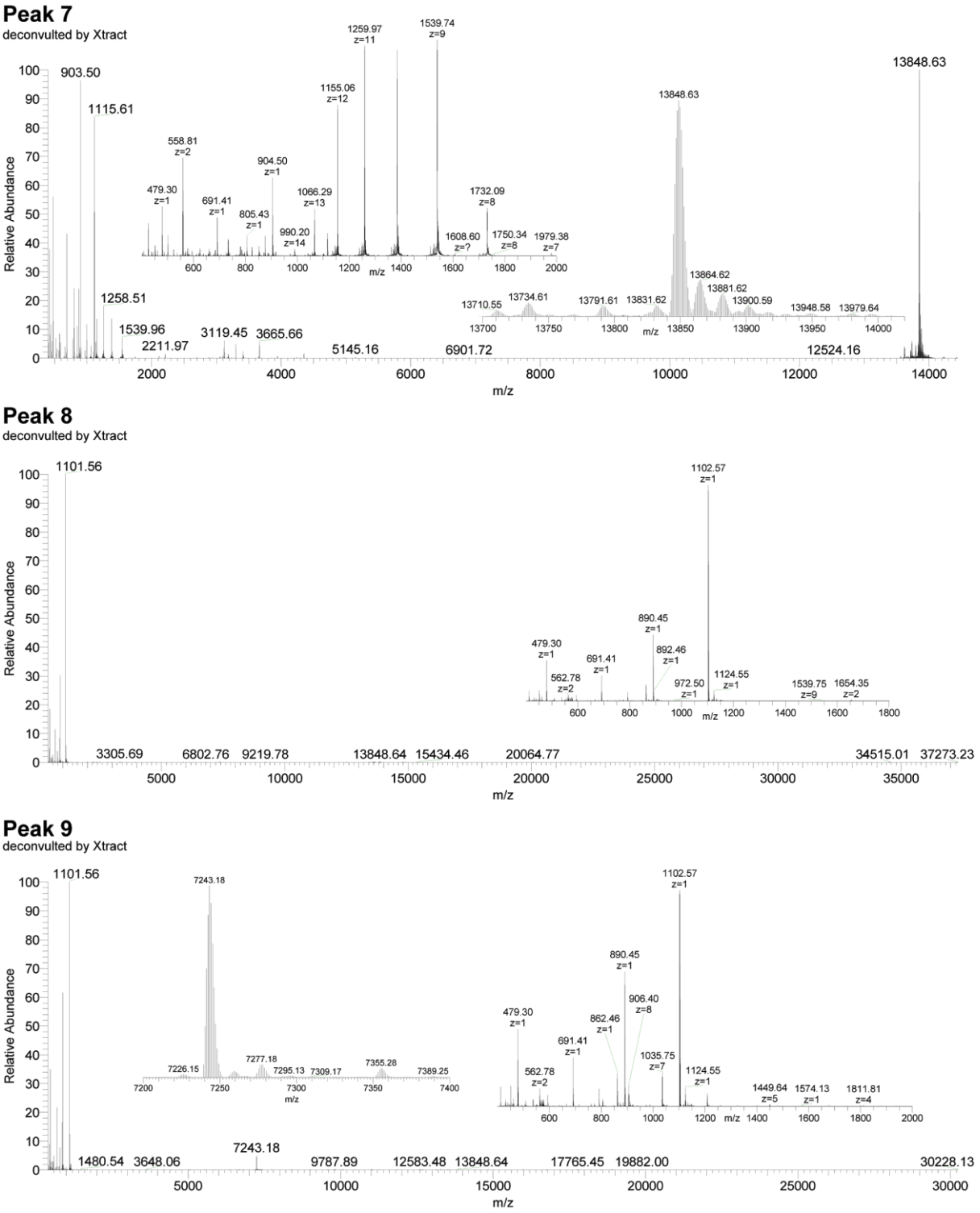


Supplemental Figure 1. Intact mass spectra of pooled Vipera kaznakovi venom. Peak nomenclature is based on the chromatogram fractions (see **Figure 3**). Mass spectra were either isotopically deconvoluted with Xcalibur or charge deconvoluted with magic transformer (MagTran).



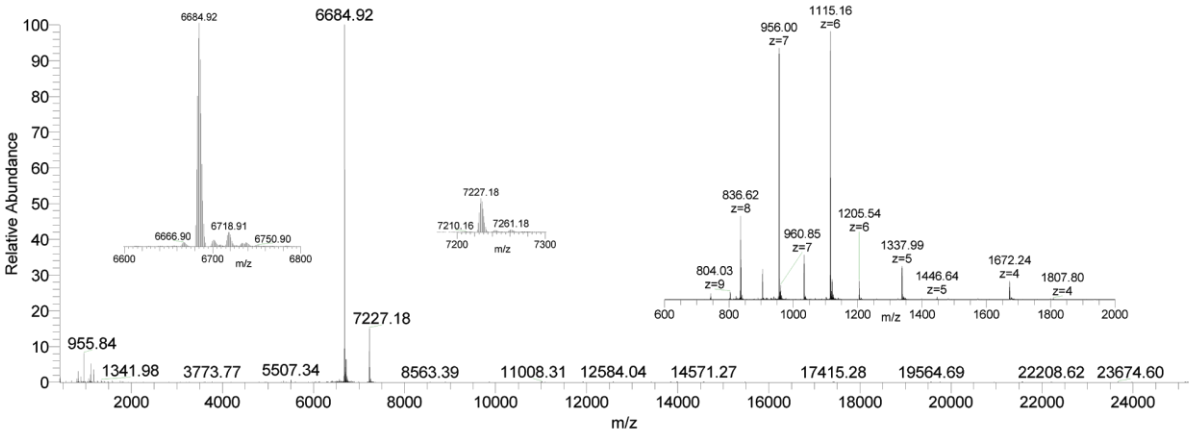
Supplemental Figure 1. continued



Supplemental Figure 1. continued

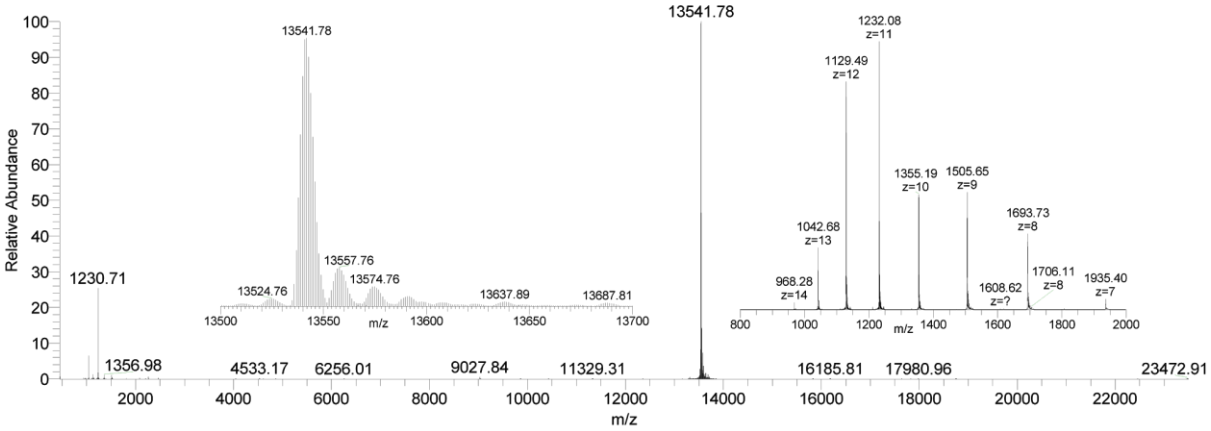
Peak 10

deconvulted by Xtract



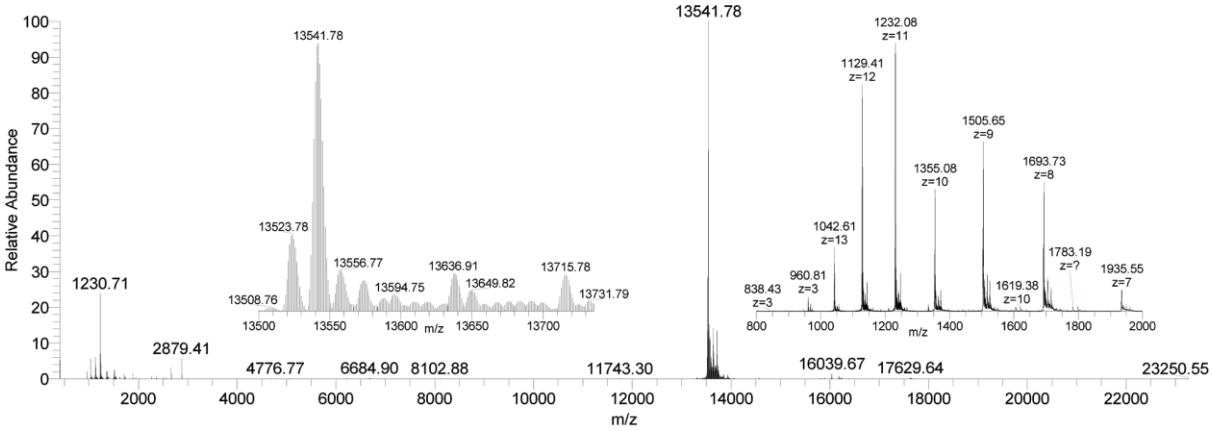
Peak 11/12

deconvulted by Xtract

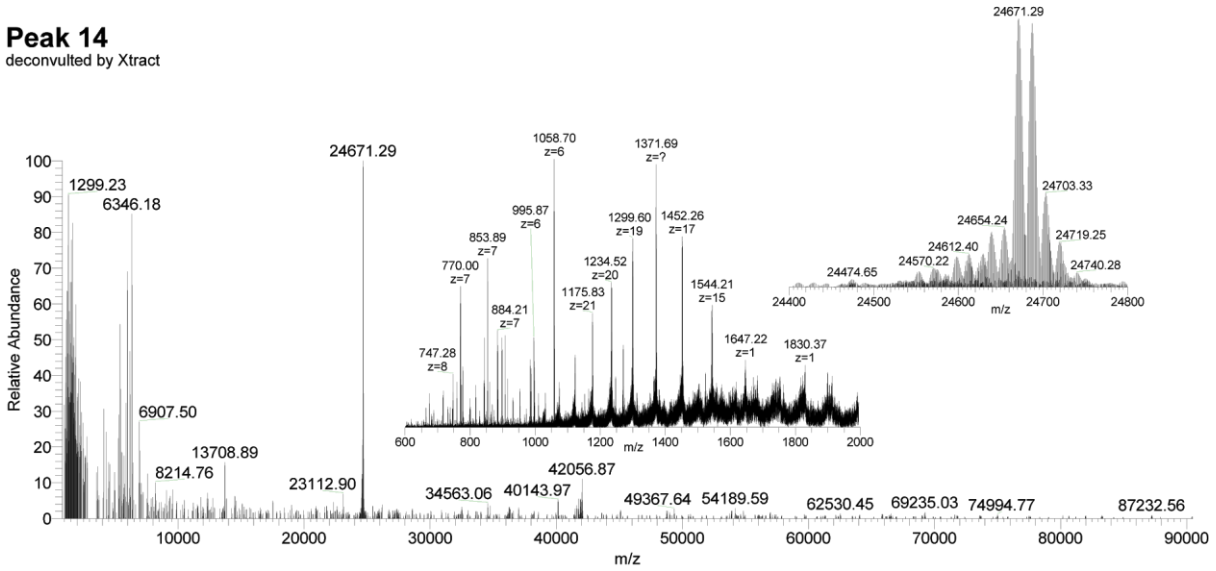


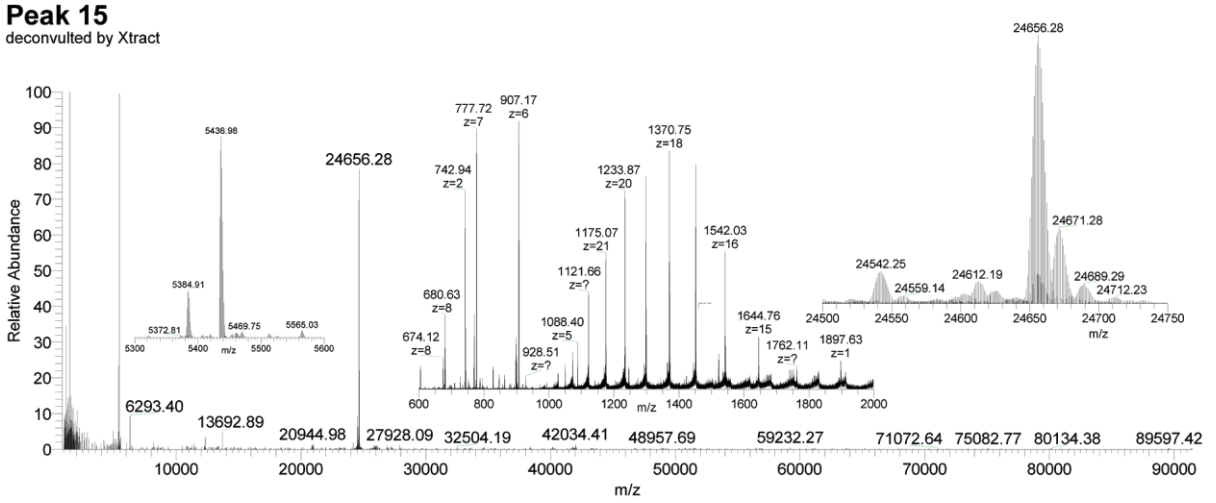
Peak 13

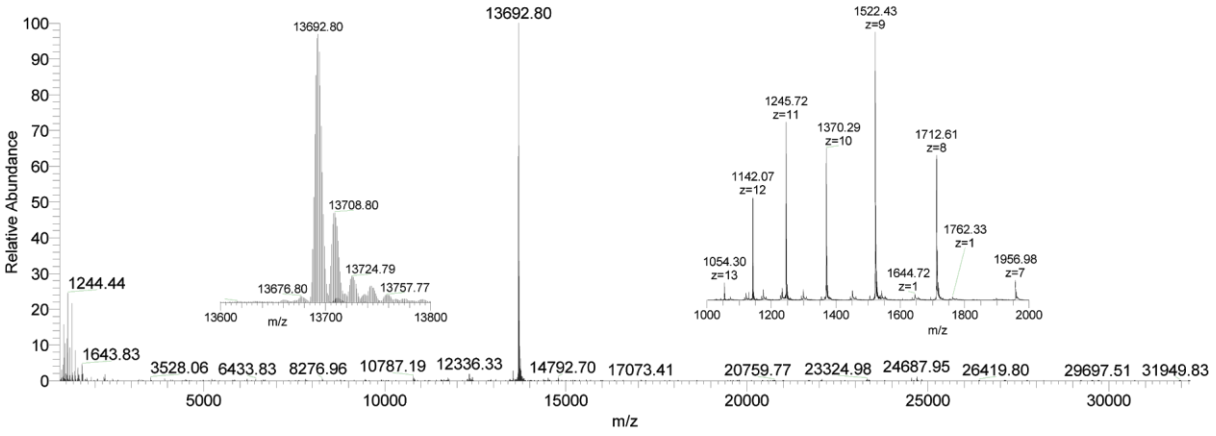
deconvulted by Xtract



Supplemental Figure 1. continued



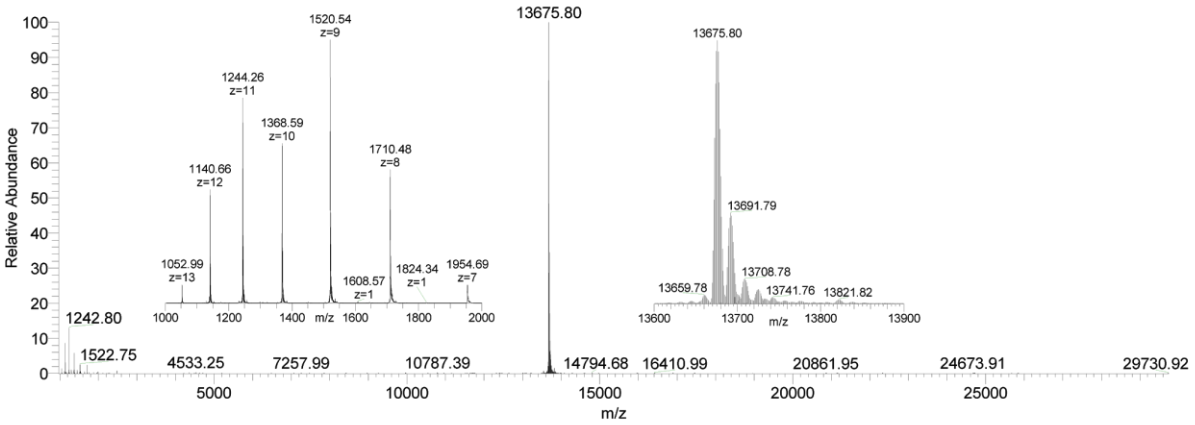




Supplemental Figure 1. continued

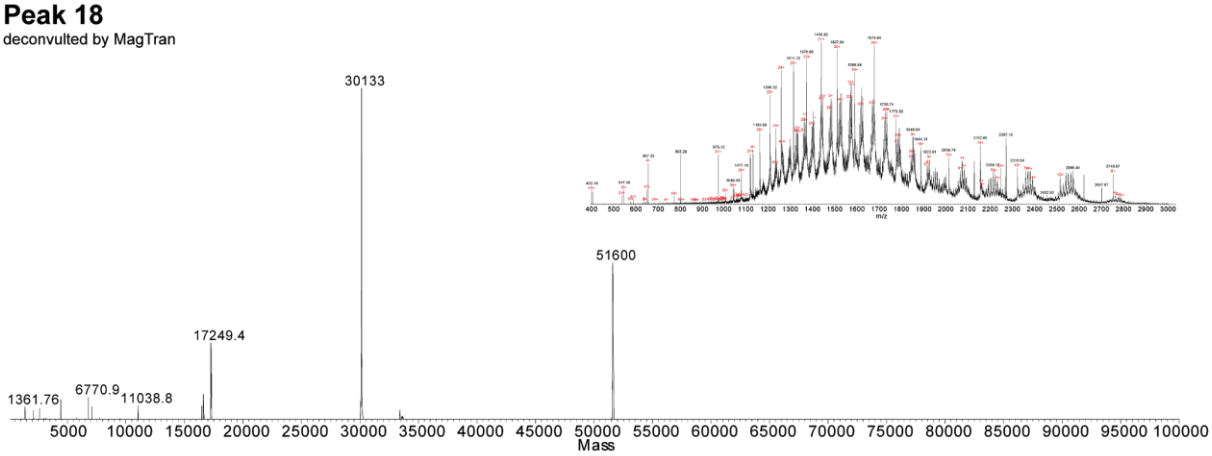
Peak 17

deconvulted by Xtract



Peak 18

deconvulted by MagTran



Peak 19

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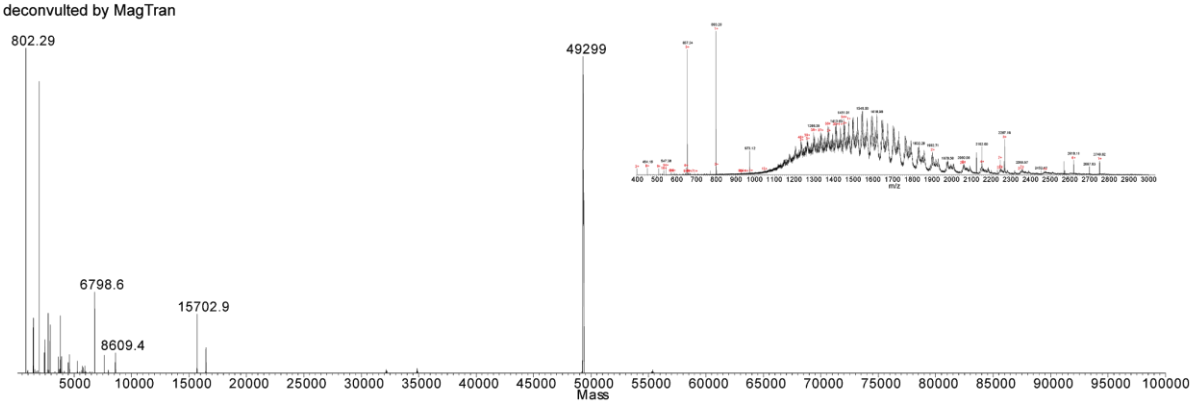
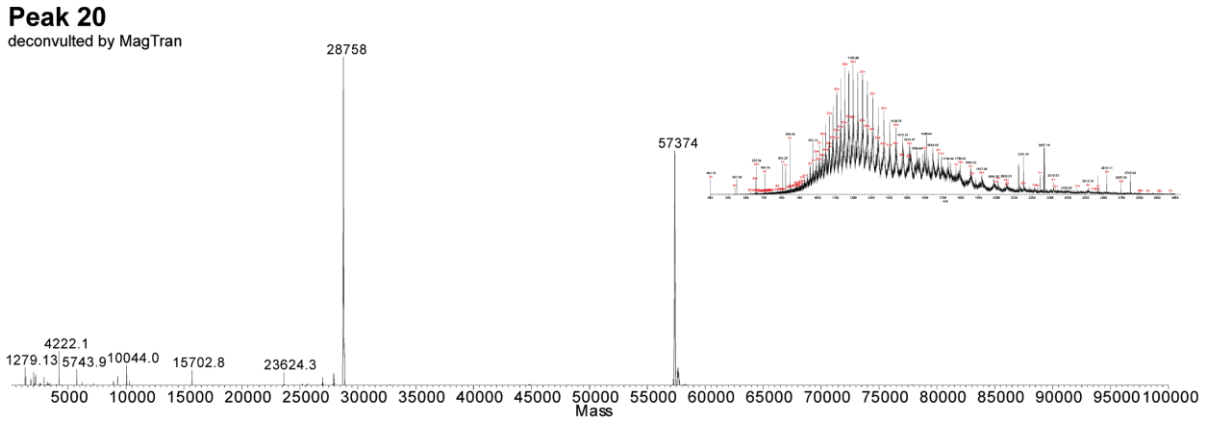
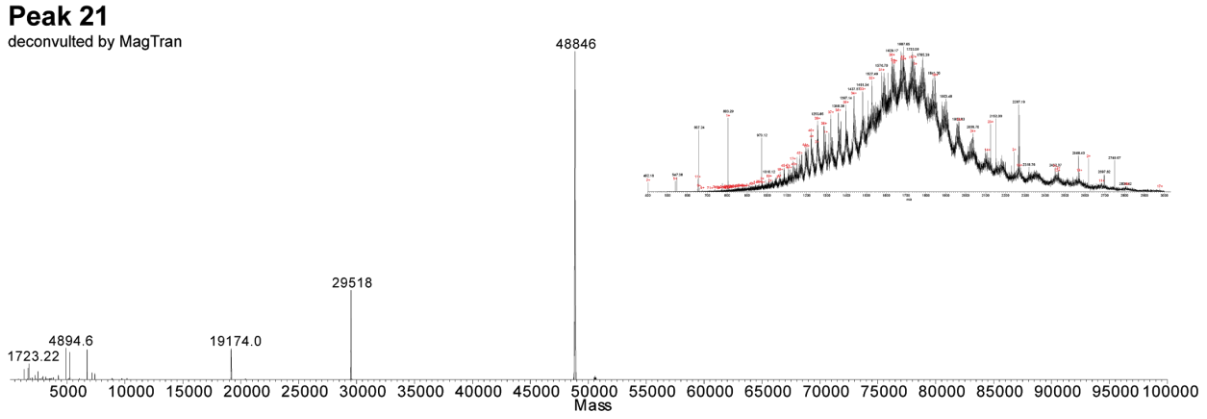
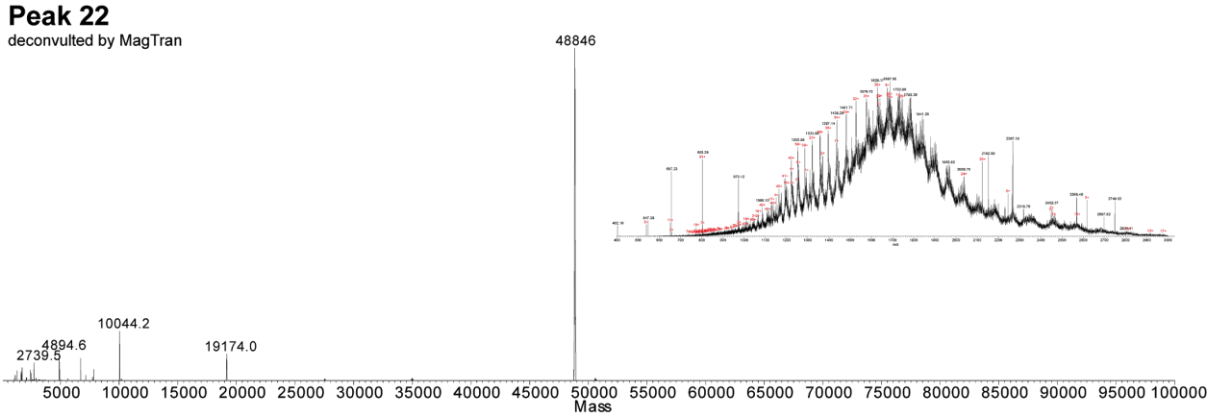


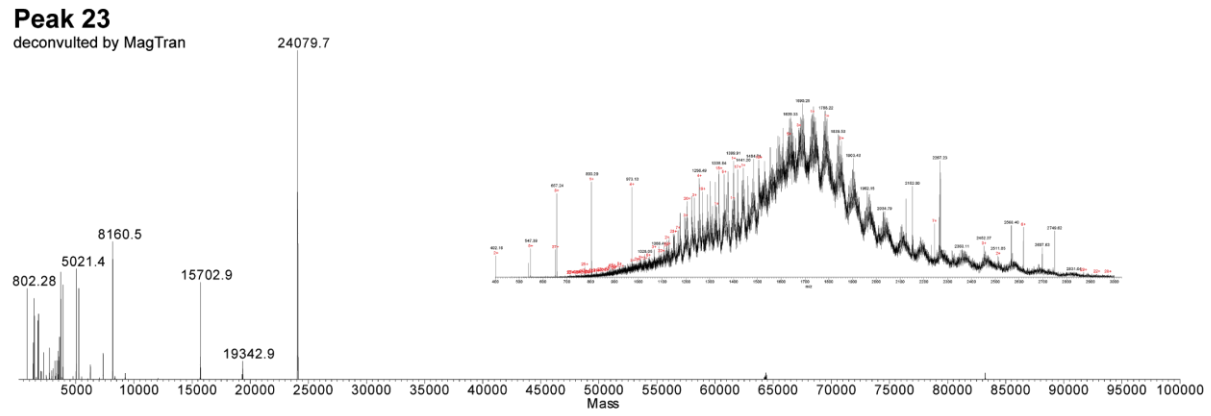
Supplemental Figure 1. continued

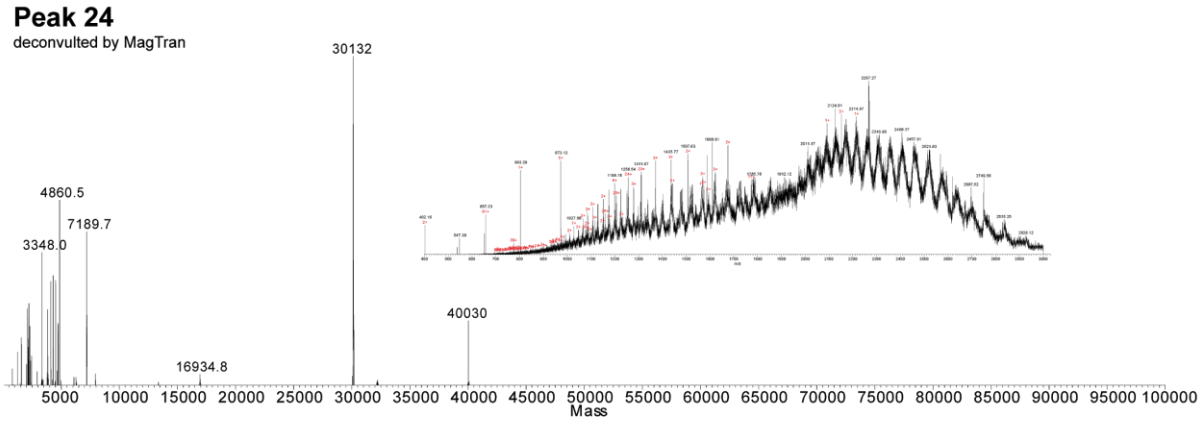


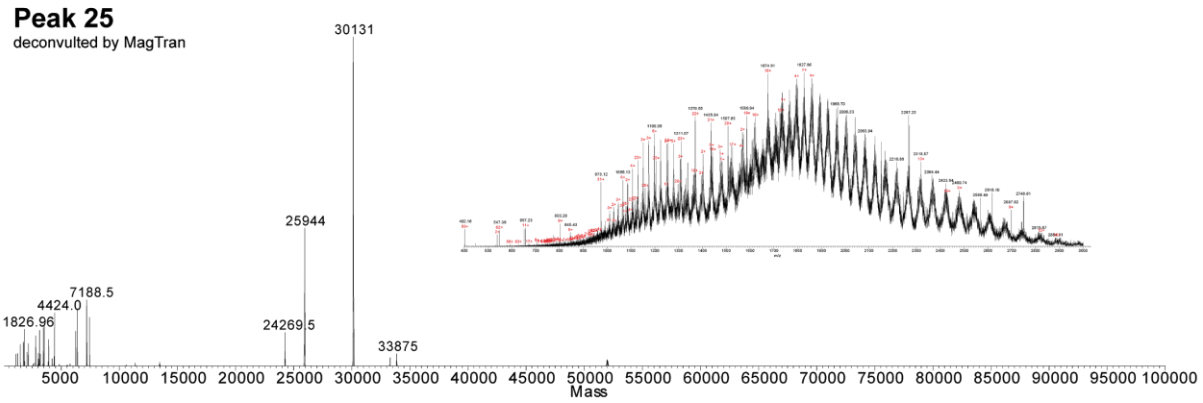




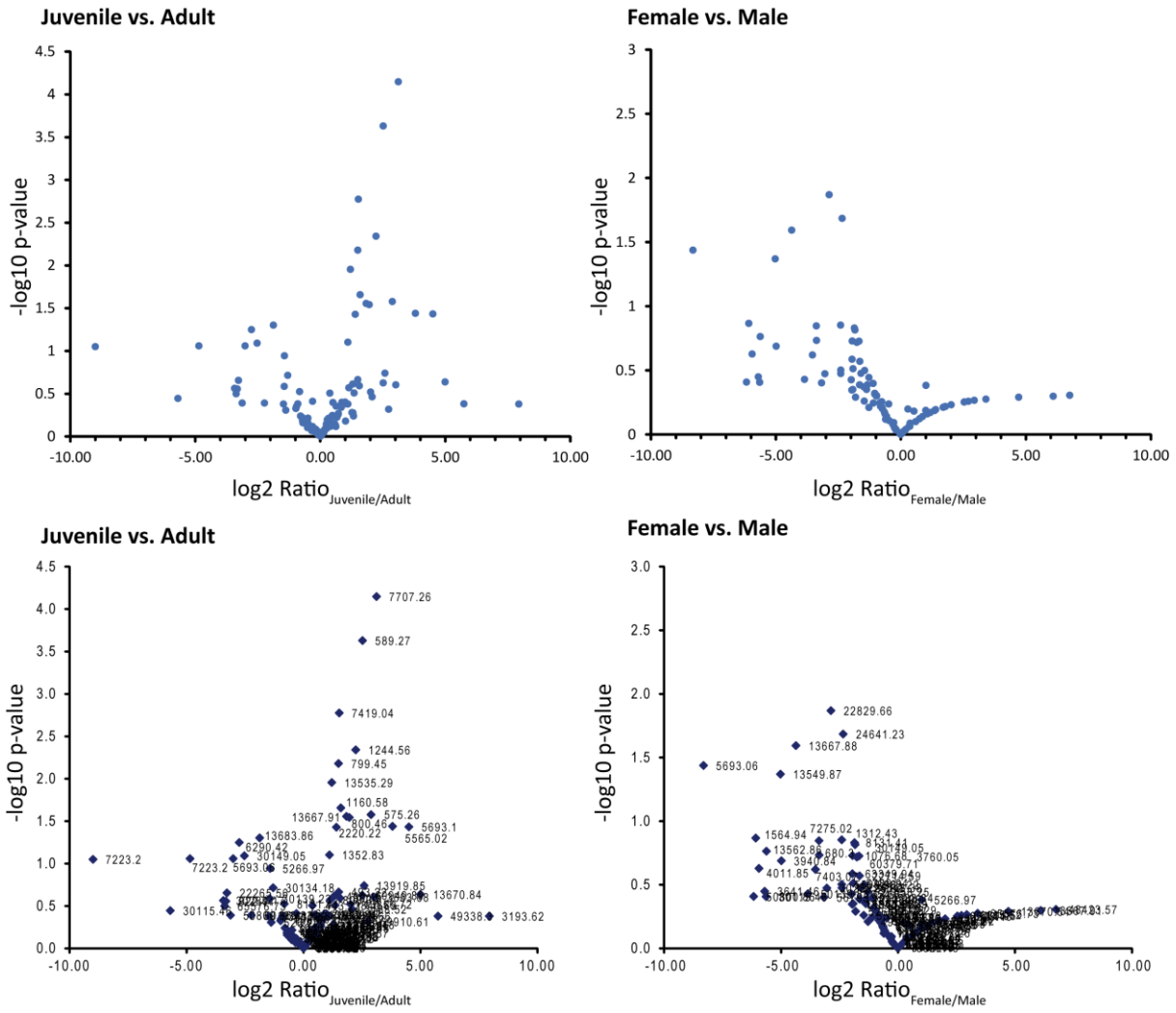
Supplemental Figure 1. continued







Supplemental Figure 1. continued



Supplemental Figure 2. Vulcano plots of female vs. male individuals and juvenile vs. adult animals. The fold change of proteoform abundance (log2 Ratio) vs. statistical significance (-log10 p-value) is shown. Log2 ratios > 2 or <-2 with -log10 p-values > 1.3 (p-value < 0.05) were considered as significantly differentially expressed proteins.

Supplemental Table 1. Acute LD50 value of *V. kaznakovi* crude venom. Determination of LD50 value of V. kaznakovi crude venom in mice following 24h exposure by intraperitoneal injection.

Crude venom concentration [mg/kg] (n=5)	Dead	Live	Viability rate [%]	Determined LD_{50} value [mg/kg]
5	5	0	0	**2.6 (2.1-3.4)**
2	1	4	80	
1	0	5	100	