

Supplementary Table S1. Optimization of multiple reaction monitoring transitions were for each compound analyzed.

Compound name	Parent (<i>m/z</i>)	Daughter (<i>m/z</i>)	Dwell (s)	Cone (V)	Collision (V)
Glycine	76.0000	30.1000	0.030	20	7
Alanine	90.1000	44.1000	0.030	20	8
Serine	106.1000	60.0000	0.030	14	8
Proline	116.1000	70.0000	0.030	20	10
Valine	118.1000	72.1000	0.030	20	10
Threonine	120.1000	74.0000	0.030	38	20
Cysteine	122.1000	105.0000	0.030	20	10
Glutamine	130.0000	84.1000	0.030	20	8
Leucine	132.1000	85.1000	0.030	20	9
Ornithine	133.0000	70.0000	0.030	15	14
Asparagine	133.1000	87.0000	0.030	20	6
Aspartic Acid	134.1000	88.0000	0.010	14	10
Lysine	147.1000	84.0000	0.030	14	14
GlutamicAcid	148.1000	130.0000	0.030	20	8
Methionine	150.0000	104.0000	0.030	20	9
Histidine	156.1000	110.0000	0.030	20	16
Freecarnitine	162.0000	85.0000	0.030	40	19
C0	162.1000	85.0000	0.030	40	19
HidroFC	165.1000	85.0000	0.030	40	19
Phenylalanine	166.1000	120.1000	0.030	20	12
Arginine	175.1000	70.1000	0.030	30	21
Citrulline	176.0000	113.0000	0.030	20	14
Tyrosine	182.1000	136.1000	0.030	20	12
C2	204.1000	85.0000	0.030	35	19
Tryptophan	205.1000	146.0000	0.030	16	18
C3	218.1000	85.0000	0.030	35	19
C4	232.1000	85.0000	0.030	35	19
C5	246.1000	85.0000	0.030	35	19
C6	260.0000	85.0000	0.030	35	19
C8	288.1000	85.0000	0.030	40	19
C10	316.0000	85.0000	0.030	40	19
C12	344.0000	85.0000	0.030	40	19
C14	372.0000	85.0000	0.030	40	28
C16	400.3000	85.0000	0.030	40	25
C16OH	416.0000	85.0000	0.030	40	25
C18:1	426.0000	85.0000	0.030	40	19
C18	428.0000	85.0000	0.030	40	19