

Supp Table 2: MRM transitions in positive mode for amino acids.

Amino Acid	Retention Time (min)	Light Amino Acid	Heavy Amino Acid
		MRM transition (m/z)	MRM transition (m/z)
Glycine	7.1	76.1 → 30.3	79.1 → 32.3
		76.1 → 48.1	79.1 → 50.1
Alanine	6.9	90.1 → 44.2	94.1 → 47.2
		90.1 → 62.1	94.1 → 65.1
Serine	7.1	106.1 → 42.2	110.1 → 45.2
		106.1 → 60.1	110.1 → 63.1
		106.1 → 88.1	110.1 → 92
Proline	6.6	116.1 → 43.2	122.1 → 46.2
		116.1 → 70.1	122.1 → 75.1
Valine	6.2	118.1 → 55.1	124.1 → 59.1
		118.1 → 72.1	124.1 → 77.1
Threonine	6.7	120.1 → 56.1	125.1 → 60.1
		120.1 → 74.1	125.1 → 78.1
		120.1 → 102.1	125.1 → 107.1
Leucine	5.7	132.1 → 86.1	139.1 → 92.1
Isoleucine	5.8	132.1 → 69.1	139.1 → 74.1
		132.1 → 86.1	139.1 → 92.1
Aspartic Acid	6.5	134.1 → 74.1	139.1 → 77.1
		134.1 → 116	139.1 → 121
Lysine	14.2	147.1 → 56.2	155.1 → 60.2
		147.1 → 84.1	155.1 → 90.1
		147.1 → 130.1	155.1 → 137.1
Glutamic Acid	6.4	148.1 → 84.1	154.1 → 89.1
		148.1 → 130	154.1 → 136
Methionine	5.9	150.0 → 56.1	156.0 → 60.1
		150.0 → 104.1	156.0 → 109.1
		150.0 → 133	156.0 → 138
Histidine	7.2	156.1 → 83.1	165.1 → 89.1
		156.1 → 93.1	165.1 → 100.1
		156.1 → 110.1	165.1 → 118.1
Phenylalanine	5.5	166.1 → 77.1	176.1 → 83.1
		166.1 → 103.1	176.1 → 111.1
		166.1 → 120.1	176.1 → 129.1
Arginine	14.0	175.1 → 60.1	185.1 → 64.1
		175.1 → 70.1	185.1 → 75.1
		175.1 → 116.1	185.1 → 122.1
Tyrosine	6.0	182.1 → 91.1	192.1 → 98.1
		182.1 → 136.1	192.1 → 145.1
		182.1 → 165	192.1 → 174
Cystine	6.9	241.1 → 120	249.1 → 124
		241.1 → 122	249.1 → 126

		241.1 → 152	249.1 → 156
Tryptophan	5.5	205.1 → 118.1 205.1 → 146.1 205.1 → 188.1	(Heavy Alanine)
GSH	6.2	308.1 → 179.1 308.1 → 162.1 308.1 → 76.1	(Heavy Proline)
GSSG	6.9	613.2 → 355.1 613.2 → 484.2 613.2 → 231	(Heavy Proline)
Cysteine	6.3	122.1 → 59.1 122.1 → 105	(Heavy Alanine)
Homocysteine	6.1	136.1 → 90 136.1 → 56.2	(Heavy Alanine)
Taurine	6.1	126.1 → 108 126.1 → 44.2	(Heavy Alanine)
SAM	10	399.2 → 250.1 399.2 → 298 399.2 → 136	(Heavy Alanine)
