Table S3. Putative Identifications by MS/MS with METLIN search.

Name	Mass Diff (ppm)	Formula	m/z	Max Z	Height	RT	Score
Asymmetric dimethylarginine	-5.45	C8H18N4O2	203.1514	1	159161	0.818	44.98
Isoleucine	17.18	C6H13NO2	132.0997	1	51595	0.973	42.97
Isoleucine	7.97	C6H13NO2	132.1009	1	64163	1	45.16
Leucine	9.08	C6H13NO2	132.1007	1	40917	1.008	44.49
Isoleucine	20.54	C6H13NO2	132.0992	1	49822	1.01	41.78
Ile Thr	-7.72	C10H20N2O4	233.1514	1	27306	1.059	42.74
Serotonin	-9.26	C10H12N2O	177.1039	1	28174	1.071	50
Met Phe	6774.52	C14H20N2O3S	295.1342	1	20791	1.101	42.66
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-16.97	C14H11N3O	238.1015	1	29616	1.192	44.1
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-14.81	C14H11N3O	238.101	1	43679	1.195	44.1
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-16.01	C14H11N3O	238.1013	1	35378	1.201	49.37
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-18.37	C14H11N3O	238.1018	1	127672	1.202	44.1
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-18.23	C14H11N3O	238.1018	1	53776	1.205	44.1
Phe Ile	-11.78	C15H22N2O3	279.1736	1	64760	1.209	47.05
Phe Ile	-10.21	C15H22N2O3	279.1732	1	67324	1.213	48
Phe Ile	-9.07	C15H22N2O3	279.1728	1	184410	1.215	48.91
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-14.31	C14H11N3O	238.1009	1	15926	1.221	44.1
Phe Ile	-7.2	C15H22N2O3	279.1723	1	60471	1.225	46.6
Phe Ile	-8.61	C15H22N2O3	279.1727	1	85743	1.232	48.44
Phe Leu	-6.35	C15H22N2O3	279.1721	1	19918	1.246	45.38
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-11.99	C14H11N3O	238.1003	1	76179	1.306	49.37
Phe Phe	9.04	C18H20N2O3	313.1518	1	26984	1.331	46.56
Phe Ile	-8.69	C15H22N2O3	279.1727	1	11677	5.474	44.93
Phe Tyr	-5.5	C18H20N2O4	329.1514	1	58218	5.615	48.81
Phe Phe	-5.33	C18H20N2O3	313.1563	1	52690	5.961	49.97
Tyr Phe	-6.1	C18H20N2O4	329.1516	1	66741	6.097	46.84
Val Trp	-9.11	C16H21N3O3	304.1683	1	71197	6.12	48.11
Mebendazole metabolite (2-Amino-5-	-13.74	C14H11N3O	238.1007	1	35127	6.157	44.1

benzoylbenzimidazole)							
Met Phe	-7.45	C14H20N2O3S	297.1289	1	549774	6.241	44.04
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-16.4	C14H11N3O	238.1014	1	31601	6.338	44.1
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-14.17	C14H11N3O	238.1008	1	14023	6.339	49.37
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-13.26	C14H11N3O	238.1006	1	1748413	6.387	44.1
Mebendazole metabolite (2-Amino-5-benzoylbenzimidazole)	-13.08	C14H11N3O	238.1006	1	27841	6.425	49.37
Phe Ile	-8.92	C15H22N2O3	279.1728	1	50416	6.468	47.37
Phe Leu	-6.96	C15H22N2O3	279.1723	1	16295	6.481	44.86
Phe Ile	-9.38	C15H22N2O3	279.1729	1	53411	6.516	48.28
Phe Ile	-8.03	C15H22N2O3	279.1726	1	119162	6.517	48.43
Phe Ile	-6.57	C15H22N2O3	279.1722	1	3532588	6.589	48.94
Phe Phe	-6.3	C18H20N2O3	313.1566	1	96348	7.008	49.97
1-(2-(allyloxy)phenoxy)-3-(isopropylamino)propan-2-ol	7.07	C15H23NO3	266.1732	1	13735	9.635	41.12
Decanoyl-L-carnitine	3191.78	C17H34NO4	316.2499	1	21616	10.506	48.29
Decanoyl-L-carnitine	3190.26	C17H34NO4	316.2504	1	71348	10.545	49.74
ALPRENOLOL	6.03	C15H23NO2	250.1787	1	24692	10.721	44.37
1-Monopalmitin	-5.66	C19H38O4	331.2862	1	1863084	17.625	41.56

Nanoflow-SCX runs were extracted by Agilent MFE and searched for matching MS2 in METLIN.