Table S1-A Table of non-volatile components of NQ's wild *O. sinensis*

#ID	RT (min)	Component name	Class	Observede (m/z)	Neutral mass (Da)	Mass error (mDa)	Response	Adducts	Formula	Mass error (ppm)
1	0.58	Lysine		145.0976	146.10553	-0.7	38473	-H	C6H14N2O2	-4.8
2	0.59	Lysopine		217.1186	218.12666	-0.8	25690	-H	C9H18N2O4	-3.5
3	0.6	Arginine		173.1036	174.11168	-0.8	18905	-H	C6H14N4O2	-4.6
4	0.6	Histidine		154.0614	155.06948	-0.8	35590	-H	C6H9N3O2	-4.9
5	0.68	Glutamic acid		146.0452	147.05316	-0.7	80364	-H	C5H9NO4	-4.9
6	1.41	Tyrosine		180.0658	181.07389	-0.8	177491	-H	C9H11NO3	-4.3
7	1.64	Valinopine		292.1047	247.10559	0.9	488315	+HCOO	C10H17NO6	3.1
8	1.92	Acetylcarnitine		202.1078	203.11576	-0.7	236832	-H	C9H17NO4	-3.5
9	3.32	N-(1-Deoxy-1-fructosyl) alanine	Amino acid and Amino acid derivative	296.0997	251.1005	1	6612	+HCOO	C9H17NO7	3.4
10	3.39	Phenylalanine		164.0711	165.07898	-0.6	300656	-H	C9H11NO2	-3.9
11	3.53	D-Alanine		88.0398	89.04768	-0.6	8864	-H	C3H7NO2	-7
12	3.53	Acetylleucine		218.1027	173.10519	-0.7	56731	+HCOO	C8H15NO3	-3.3
13	3.73	Tryptophan		203.0821	204.08988	-0.5	152561	-H	C11H12N2O2	-2.6
14	3.8	Acetyltryptophan		291.0983	246.10044	-0.3	6833	+HCOO	C13H14N2O3	-1
15	3.9	Acetylmethionine		190.0536	191.06161	-0.8	5321	-H	C7H13NO3S	-3.9
16	4.08	Butyryl carnitine		276.1448	231.14706	-0.4	16593	+HCOO	C11H21NO4	-1.6
17	0.64	Ala-Glu or Glu-Ala		217.0821	218.09027	-0.8	11965	-H	C8H14N2O5	-3.9
18	0.69	Ala-Thr		189.0873	190.09536	-0.7	26658	-H	C7H14N2O4	-4
19	1.42	Ile-Asp	Dipeptide and Tripeptide	245.1136	246.12157	-0.7	18955	-H	C10H18N2O5	-2.7
20	3.12	Phe-Asp		279.098	280.10592	-0.6	7272	-H	C13H16N2O5	-2.1
21	3.28	Leu-Tyr		293.1496	294.15796	-1.1	7660	-H	C15H22N2O4	-3.6

22	3.32	Pro-Val		213.1237	214.13174	-0.8	6625	-H	C10H18N2O3	-3.8
23	3.46	Ala-Tyr		297.1092	252.11101	0	9481	+HCOO	C12H16N2O4	0.1
24	3.46	Phe-Ser		297.1092	252.11101	0	9481	+HCOO	C12H16N2O4	0.1
25	3.48	Ala-Leu or Leu-Ala		201.1238	202.13174	-0.7	14965	-H	C9H18N2O3	-3.5
26	3.5	Gly-Leu		187.1081	188.11609	-0.7	15536	-H	C8H16N2O3	-3.7
27	3.55	Pro-Tyr		277.1189	278.12666	-0.5	10108	-H	C14H18N2O4	-1.8
28	3.59	Ile-Pro or Leu-Pro		273.1451	228.14739	-0.5	28583	+HCOO	C11H20N2O3	-1.7
29	3.61	Val-Leu		229.1552	230.16304	-0.6	41740	-H	C11H22N2O3	-2.5
30	3.62	Val-Tyr		325.1403	280.14231	-0.3	38699	+HCOO	C14H20N2O4	-0.8
31	3.72	Gly-Phe		221.0927	222.10044	-0.5	15385	-H, +HCOO	C11H14N2O3	-2
32	3.76	Ala-Phe		235.1083	236.11609	-0.6	11758	-H	C12H16N2O3	-2.3
33	4.11	Val-Phe		263.1395	264.14739	-0.6	14436	-H	C14H20N2O3	-2.2
34	4.2	Leu-Leu		243.1708	244.17869	-0.6	15776	-H	C12H24N2O3	-2.4
35	15.14	Thr-Tyr-Thr		382.1632	383.16925	1.2	11166	-H	C17H25N3O7	3.3
36	5.19	Methyl p-hydroxyphenylacetate	Ester	165.0551	166.06299	-0.7	14726	-H	C9H10O3	-4
37	15.16	Methyl linolenate		337.2382	292.24023	-0.2	20830	+HCOO	C19H32O2	-0.6
38	0.65	Glycerophosphoric acid		171.0056	172.01367	-0.8	18424	-H	C3H9O6P	-4.6
39	12.95	PC (18:3/0:0)		562.3154	517.31684	0.3	32442	+HCOO	C26H48NO7P	0.6
40	13.22	PE (18:2/0:0)		476.2781	477.28554	-0.1	387272	-H	C23H44NO7P	-0.3
41	13.3	PC (12:0/0:0)		438.2623	439.26989	-0.3	25095	-H	C20H42NO7P	-0.6
42	13.36	PE (18:2/0:0)	glycerophospholipid metabolites	476.2784	477.28554	0.2	1497641	-H, +HCOO	C23H44NO7P	0.4
43	13.72	PE (16:0/0:0)		452.2781	453.28554	-0.1	1153531	-H	C21H44NO7P	-0.3
44	13.75	PC (16:0/0:0)		540.3305	495.33249	-0.2	257098	+HCOO	C24H50NO7P	-0.4
45	13.91	PE (18:1/0:0)		478.2938	479.30119	-0.1	835652	-H	C23H46NO7P	-0.2

46	13.94	LysoPC (18:1(9z))		566.3464	521.34814	0.1	446428	+HCOO	C26H52NO7P	0.1
47	14.04	LysoPE (18:3(6z,9Z,12Z)/0:0)		520.2682	475.26989	0.1	219872	+HCOO	C23H42NO7P	0.2
48	14.15	PC (14:0/0:0)		466.2941	467.30119	0.2	70587	-H	C22H46NO7P	0.4
49	14.58	PE (18:0/0:0)		480.3094	481.31684	-0.1	342239	-H	C23H48NO7P	-0.3
50	18.87	PI (18:2/0:0)		595.2884	596.29616	-0.5	17610	-H	C27H49O12P	-0.8
51	0.63	Cytidine		242.0789	243.08552	0.7	12201	-H	C9H13N3O5	2.9
52	0.71	AMP		346.0552	347.06308	-0.6	35297	-H	C10H14N5O7P	-1.7
53	0.75	UDP-glucose		565.0474	566.05502	-0.3	20748	-H	C15H24N2O17P2	-0.5
54	1.31	Uridine		243.0617	244.06954	-0.6	225387	-H	C9H12N2O6	-2.4
55	1.78	2'-Deoxyuridine		227.0668	228.07462	-0.6	10373	-H	C9H12N2O5	-2.4
56	1.81	Adenine		134.0467	135.0545	-0.5	14014	-H	C5H5N5	-4.1
57	2.06	Guanine or Isoguanine		150.0415	151.04941	-0.7	66728	-H	C5H5N5O	-4.4
58	2.06	Guanosine	Nucleotide and Nucleotide derivative	282.0839	283.09167	-0.5	215882	-H	C10H13N5O5	-1.7
59	2.09	Inosine		267.073	268.08077	-0.5	309331	-H	C10H12N4O5	-1.8
60	2.39	Adenosine		266.0889	267.09675	-0.6	65577	-H	C10H13N5O4	-2.2
61	2.54	6-Hydroxypurine		135.0306	136.03851	-0.6	10408	-H	C5H4N4O	-4.5
62	2.72	Ribosylimidazole acetic acid		257.0774	258.08519	-0.5	7634	-H	C10H14N2O6	-2
63	3.32	Cordycepin		296.0997	251.10184	-0.3	6612	+HCOO	C10H13N5O3	-1.1
64	3.52	Succinoadenosine		382.1	383.10771	-0.4	186491	-H	C14H17N5O8	-1.1
65	0.65	Hexonic acid		195.0503	196.0583	-0.8	36382	-H	C6H12O7	-3.9
66	1.06	Citric acid or Isocitrate		191.0192	192.027	-0.5	225978	-H	C6H8O7	-2.7
67	5.19	Phenyllactic acid	Organic acid	165.0551	166.06299	-0.7	14726	-H	C9H10O3	-4
68	15.21	Stearic acid		283.2637	284.27153	-0.6	111358	-H	C18H36O2	-1.9

69	13.11	7,8-Dihydroxy stearic acid	Saturated fatty acids and Unsaturated fatty acids	315.2535	316.26136	-0.6	433994	-H	C18H36O4	-1.8
70	13.59	Linolenic acid		323.2224	278.22458	-0.4	31062	+HCOO	C18H30O2	-1.1
71	14.02	Linoleic acid		279.2324	280.24023	-0.5	462177	-H	C18H32O2	-1.9
72	14.44	Palmitic acid		255.2323	256.24023	-0.7	452843	-H	C16H32O2	-2.6
73	14.6	Oleic acid		281.2481	282.25588	-0.5	509089	-H	C18H34O2	-1.7
74	11.56	C16 Sphinganine	Sphingolipids	274.2741	273.26678	0.1	86696	+H	C16H35NO2	0.2
75	15.66	Sphinganine		284.2948	301.29808	0.1	17824	M-H_2O+H	C18H39NO2	0.2
76	0.54	Genistin	Glycosides	431.1004	432.10565	2	10283	-H	C21H20O10	4.6
77	0.67	Sucrose		341.1085	342.11621	-0.4	180158	-H, +HCOO	C12H22O11	-1.3
78	0.68	D-Mannose or D-Tagatose		179.0555	180.06339	-0.6	7125	-H	C6H12O6	-3.4
79	1.21	D-Mannitol		181.071	182.07904	-0.7	110012	-H	C6H14O6	-4.1
80	3.6	D-Fucose		163.0607	164.06847	-0.5	43723	-H	C6H12O5	-3.2
81	0.71	Vitamin b8	vitamins	346.0552	347.06308	-0.6	35297	-H	C10H14N5O7P	-1.7
82	3.53	Pantothenic acid		218.1027	219.11067	-0.7	56731	-H	C9H17NO5	-3.3
83	4.28	Vitamin b2		375.1308	376.13828	-0.2	48555	-H, +HCOO	C17H20N4O6	-0.5

Table S1-B Table of non-volatile components of QD's wild *O. sinensis*

#ID	RT (min)	Component name	Class	Observed (m/z)	Neutral mass (Da)	Mass error (mDa)	Response	Adducts	Formula	Mass error (ppm)
1	0.59	Lysine	Amino acid and Amino acid derivative	145.0978	146.10553	-0.5	46417	-H	C6H14N2O2	-3.4
2	0.59	Lysopine		217.1188	218.12666	-0.6	18840	-H	C9H18N2O4	-2.6
3	0.6	Histidine		154.0617	155.06948	-0.5	63314	-H	C6H9N3O2	-3.1
4	0.61	Arginine		173.1037	174.11168	-0.7	24365	-H	C6H14N4O2	-4
5	0.64	Aspartic acid		132.0298	133.03751	-0.5	5762	-H	C4H7NO4	-3.6
6	0.65	N-(1-Deoxy-1-fructosyl) alanine		250.093	251.1005	-0.3	5058	-H	C9H17NO7	-1.1
7	0.68	Glutamic acid		146.0454	147.05316	-0.5	76100	-H	C5H9NO4	-3.5
8	1.31	Tyrosine		180.066	181.07389	-0.6	214097	-H	C9H11NO3	-3.2
9	1.65	Valinopine		292.1048	247.10559	1	1163443	+HCOO	C10H17NO6	3.3
10	3.39	Phenylalanine		164.071	165.07898	-0.7	267468	-H	C9H11NO2	-4.5
11	3.42	Phenylacetyl-glutamine		309.1094	264.11101	0.2	7567	+HCOO	C13H16N2O4	0.8
12	3.54	Acetylleucine		218.1027	173.10519	-0.7	117094	+HCOO	C8H15NO3	-3.1
13	3.72	D-Alanine		134.0465	89.04768	0.6	19550	+HCOO	C3H7NO2	4.8
14	3.74	Tryptophan		203.0818	204.08988	-0.8	187877	-H	C11H12N2O2	-3.8
15	3.89	Acetylvaline		158.0817	159.08954	-0.6	5124	-H	C7H13NO3	-3.5
16	4.8	Acetylcarnitine		202.1079	203.11576	-0.6	129403	-H	C9H17NO4	-3
17	5.7	Acetyltryptophan		245.0926	246.10044	-0.6	6377	-H	C13H14N2O3	-2.4
18	0.59	Ser-Val	Dipeptide and Tripeptide	203.1035	204.11101	-0.3	6542	-H	C8H16N2O4	-1.3
19	0.68	Ala-Thr		189.0876	190.09536	-0.5	25025	-H	C7H14N2O4	-2.7
20	0.72	Pro-Ala		231.0992	186.10044	0.6	3116	+HCOO, -H	C8H14N2O3	2.5
21	0.77	Ala-Glu		217.0826	218.09027	-0.4	8530	-H	C8H14N2O5	-1.9

22	1.43	Ile-Asp		245.1138	246.12157	-0.5	8230	-H	C10H18N2O5	-2
23	3.48	Ala-Leu or Leu-Ala		201.1237	202.13174	-0.8	6562	-H	C9H18N2O3	-3.9
24	3.5	Gly-Leu		187.1082	188.11609	-0.6	6971	-H	C8H16N2O3	-3.4
25	3.55	Pro-Tyr		277.119	278.12666	-0.4	6559	-H	C14H18N2O4	-1.3
26	3.58	Ile-Pro or Leu-Pro		273.1452	228.14739	-0.4	5276	+HCOO	C11H20N2O3	-1.3
27	3.63	Val-Leu		325.14	280.14231	-0.5	13944	+HCOO	C14H20N2O4	-1.6
28	3.72	Leu-Tyr		293.1492	294.15796	-1.4	5605	-H, +HCOO	C15H22N2O4	-4.9
29	3.73	Gly-Phe		221.0922	222.10044	-1	11291	-H, +HCOO	C11H14N2O3	-4.4
30	3.76	Ala-Phe		235.1081	236.11609	-0.7	7731	-H	C12H16N2O3	-3.1
31	4.12	Val-Phe		263.1395	264.14739	-0.6	7342	-H	C14H20N2O3	-2.4
32	4.39	Leu-Leu		243.1709	244.17869	-0.5	9563	-H	C12H24N2O3	-2.2
33	15.14	Thr-Tyr-Thr		382.1633	383.16925	1.3	5636	-H	C17H25N3O7	3.5
34	15.16	Methyl linolenate	Ester	337.2382	292.24023	-0.2	17477	+HCOO	C19H32O2	-0.6
35	0.66	Glycerophosphoric acid		171.0058	172.01367	-0.6	22614	-H	C3H9O6P	-3.3
36	11.68	PI (18:2/0:0)		595.289	596.29616	0.2	9006	-H	C27H49O12P	0.3
37	12.95	PC (18:3/0:0)		562.315	517.31684	0	34700	+HCOO	C26H48NO7P	0
38	13.3	PC (12:0/0:0)		438.2624	439.26989	-0.2	29722	-H	C20H42NO7P	-0.5
39	13.37	PE (18:2/0:0)		476.2781	477.28554	-0.2	1700469	-H, +HCOO	C23H44NO7P	-0.4
40	13.73	PE (16:0/0:0)	glycerophospholipid metabolites	452.2783	453.28554	0	1377244	-H	C21H44NO7P	0
41	13.76	PC (16:0/0:0)		540.3306	495.33249	-0.1	384470	+HCOO	C24H50NO7P	-0.2
42	13.91	PE (18:1/0:0)		478.2934	479.30119	-0.5	1172419	-H	C23H46NO7P	-1
43	13.94	LysoPC (18:1(9z))		566.3461	521.34814	-0.3	517317	+HCOO	C26H52NO7P	-0.5
44	13.98	PI (18:1/0:0)		597.3044	598.31181	-0.1	30813	-H	C27H51O12P	-0.2
45	14.04	LysoPE (18:3(6z,9Z,12Z)/0:0)		520.268	475.26989	-0.1	193584	+HCOO	C23H42NO7P	-0.2

46	14.16	PC (14:0/0:0)		466.2938	467.30119	-0.1	76242	-H	C22H46NO7P	-0.2
47	14.58	PE (18:0/0:0)		480.3097	481.31684	0.1	392216	-H	C23H48NO7P	0.2
48	0.72	AMP		346.0558	347.06308	0	77951	-H	C10H14N5O7P	-0.1
49	0.76	UDP-glucose		565.0487	566.05502	1	39429	-H	C15H24N2O17P2	1.8
50	1.2	N-(2-Hydroxyethyl)adenosine		310.1154	311.12297	-0.3	8225	-H	C12H17N5O5	-0.8
51	1.32	Uridine		243.0618	244.06954	-0.5	269928	-H	C9H12N2O6	-2
52	1.79	2'-Deoxyuridine		227.067	228.07462	-0.3	5671	-H	C9H12N2O5	-1.4
53	1.82	Adenosine	Nucleotide	266.089	267.09675	-0.4	5218	-H, +HCOO	C10H13N5O4	-1.7
54	2.06	Guanine or Isoguanine		150.0416	151.04941	-0.6	47098	-H	C5H5N5O	-3.9
55	2.06	Guanosine		282.084	283.09167	-0.4	110868	-H	C10H13N5O5	-1.5
56	2.1	Hypoxanthine		135.0306	136.03851	-0.6	19229	-H	C5H4N4O	-4.8
57	2.1	Inosine		267.073	268.08077	-0.5	198614	-H	C10H12N4O5	-1.7
58	2.72	Ribosylimidazole acetic acid		257.0773	258.08519	-0.6	12039	-H	C10H14N2O6	-2.2
59	3.52	Succinoadenosine		382.1	383.10771	-0.4	208053	-H	C14H17N5O8	-1
60	0.66	Hexonic acid		195.0505	196.0583	-0.5	27551	-H	C6H12O7	-2.7
61	0.81	Malic acid		133.0137	134.02152	-0.5	15590	-H	C4H6O5	-3.8
62	0.96	3-Furoic acid	Organic acid	111.0083	112.01604	-0.5	270974	-H	C5H4O3	-4.5
63	1.07	Citric acid or Isocitrate		191.0192	192.027	-0.5	292041	-H	C6H8O7	-2.7
64	15.22	Stearic acid		283.2639	284.27153	-0.4	115354	-H	C18H36O2	-1.4
65	0.68	D-Mannose or D-Tagatose		179.0557	180.06339	-0.4	8781	-H	C6H12O6	-2.3
66	0.68	Sucrose		341.1088	342.11621	-0.1	310254	-H, +HCOO	C12H22O11	-0.3
67	1.26	Trehalose	Glycosides	341.1088	342.11621	-0.1	28412	-H, +HCOO	C12H22O11	-0.3
68	3.6	D-Fucose		163.0606	164.06847	-0.6	19066	-H	C6H12O5	-3.7
69	1.22	D-Mannitol		181.071	182.07904	-0.8	48160	-H	C6H14O6	-4.3

70	13.12	7,8-Dihydroxy stearic acid	Saturated fatty acids and Unsaturated fatty acids	315.2537	316.26136	-0.4	211139	-H	C18H36O4	-1.3
71	13.59	Linolenic acid		323.2223	278.22458	-0.5	40003	+HCOO	C18H30O2	-1.5
72	14.03	Linoleic acid		279.2324	280.24023	-0.6	265248	-H	C18H32O2	-2.1
73	14.22	8-Hydroxy-linoleic acid		295.2274	296.23514	-0.4	17191	-H	C18H32O3	-1.5
74	14.44	Palmitic acid		255.2324	256.24023	-0.5	375842	-H	C16H32O2	-2
75	14.6	Oleic acid		281.2483	282.25588	-0.3	317579	-H	C18H34O2	-1.1
76	11.56	C16 Sphinganine	Sphingolipids	274.2741	273.26678	0	101765	+H	C16H35NO2	0
77	15.67	Sphinganine		284.2945	301.29808	-0.3	16319	M-H2O+H	C18H39NO2	-1
78	0.72	Vitamin b8		346.0558	347.06308	0	77951	-H	C10H14N5O7P	-0.1
79	3.54	Pantothenic acid	vitamins	218.1027	219.11067	-0.7	117094	-H	C9H17NO5	-3.1
80	4.29	Vitamin b2		375.1308	376.13828	-0.2	57019	-H, +HCOO	C17H20N4O6	-0.6

Table S1-C Table of non-volatile components of NC's wild *O. sinensis*

#ID	RT (min)	Component name	Class	Observed (m/z)	Neutral mass (Da)	Mass error (mDa)	Response	Adducts	Formula	Mass error (ppm)
1	0.58	Lysine		145.0977	146.10553	-0.6	63870	-H	C6H14N2O2	-4.1
2	0.6	Arginine		173.1038	174.11168	-0.6	12509	-H	C6H14N4O2	-3.7
3	0.6	Histidine		154.0616	155.06948	-0.6	39993	-H	C6H9N3O2	-3.6
4	0.63	Aspartic acid		132.0298	133.03751	-0.4	22392	-H	C4H7NO4	-3.2
5	0.63	Acetylhistidine		242.0793	197.08004	1	8863	+HCOO	C8H11N3O3	4.2
6	0.64	Threonine		118.0504	119.05824	-0.5	12547	-H	C4H9NO3	-4.5
7	0.64	N-(1-Deoxy-1-fructosyl) alanine		250.0929	251.1005	-0.3	14335	-H	C9H17NO7	-1.1
8	0.65	DL-Proline		160.061	115.06333	-0.6	6225	+HCOO	C5H9NO2	-3.5
9	0.65	Aceglutamide	Amino acid and Amino acid devaritive	233.0777	188.07971	-0.2	6988	+HCOO	C7H12N2O4	-0.8
10	0.67	Glutamic acid		146.0454	147.05316	-0.5	128230	-H	C5H9NO4	-3.3
11	0.77	Acetylglutamic acid		188.0559	189.06372	-0.6	19706	-H	C7H11NO5	-3.1
12	1.29	Tyrosine		180.066	181.07389	-0.7	173399	-H	C9H11NO3	-3.7
13	1.62	Phenylacetyl-glutamine		309.1087	264.11101	-0.5	5050	+HCOO	C13H16N2O4	-1.7
14	1.64	Valinopine		292.1048	247.10559	1	590267	+HCOO	C10H17NO6	3.3
15	1.92	Isoleucine or Leucine		130.0867	131.09463	-0.6	214067	-H	C6H13NO2	-4.8
16	1.93	Acetylcarnitine		202.1079	203.11576	-0.6	136343	-H	C9H17NO4	-2.9
17	3.53	Acetylleucine		218.1027	173.10519	-0.7	20787	+HCOO	C8H15NO3	-3.3
18	0.68	Ala-Glu		217.0826	218.09027	-0.4	11692	-H	C8H14N2O5	-2
19	0.68	Ala-Thr	Dipeptide and Tripeptide	189.0877	190.09536	-0.4	22088	-H	C7H14N2O4	-2.1
20	0.71	Asp-Val		231.0983	232.10592	-0.3	32941	-H	C9H16N2O5	-1.3
21	0.71	Pro-Ala		231.0983	186.10044	-0.3	32941	+HCOO, -H	C8H14N2O3	-1.3

22	1.29	Ser-Val	203.103	204.11101	-0.8	9705	-H	C8H16N2O4	-3.8
23	1.4	Ile-Asp	245.1137	246.12157	-0.6	39881	-H	C10H18N2O5	-2.4
24	1.58	Ala-Met	219.0802	220.08816	-0.7	14530	-H	C8H16N2O3S	-3
25	2.32	Ala-Tyr	251.1034	252.11101	-0.3	15534	-H	C12H16N2O4	-1.1
26	2.32	Phe-Ser	251.1034	252.11101	-0.3	15534	-H	C12H16N2O4	-1.1
27	3.1	Phe-Asp	279.098	280.10592	-0.7	16772	-H	C13H16N2O5	-2.4
28	3.38	Gly-Leu	187.1082	188.11609	-0.6	67909	-H	C8H16N2O3	-3.3
29	3.38	Pro-Val	213.1239	214.13174	-0.6	15725	-H	C10H18N2O3	-2.8
30	3.43	Met-Val	247.1114	248.11946	-0.8	12341	-H	C10H20N2O3S	-3.2
31	3.45	Val-Tyr	279.1345	280.14231	-0.5	17830	-H	C14H20N2O4	-1.8
32	3.47	Ala-Leu or Leu-Ala	201.1238	202.13174	-0.7	56699	-H	C9H18N2O3	-3.4
33	3.55	Pro-Tyr	277.119	278.12666	-0.4	27196	-H	C14H18N2O4	-1.5
34	3.57	Thr-Trp	304.1295	305.13756	-0.7	5417	-H	C15H19N3O4	-2.4
35	3.59	Ile-Pro or Leu-Pro	273.1452	228.14739	-0.4	18070	+HCOO	C11H20N2O3	-1.6
36	3.61	Val-Leu	229.1551	230.16304	-0.6	148458	-H	C11H22N2O3	-2.8
37	0.63	Cytidine	242.0793	243.08552	1	8863	-H	C9H13N3O5	4.2
38	1.02	2,6-Dihydroxypurine	151.0256	152.03343	-0.5	21841	-H	C5H4N4O2	-3.5
39	1.3	Uridine	243.0617	244.06954	-0.6	248018	-H	C9H12N2O6	-2.4
40	1.75	AMP	346.0575	347.06308	1.7	9819	-H	C10H14N5O7P	4.9
41	1.81	Adenine	134.0467	135.0545	-0.6	40694	-H	C5H5N5	-4.1
42	1.99	6-Hydroxypurine	135.0306	136.03851	-0.6	11362	-H	C5H4N4O	-4.4
43	2.06	Guanine or Isoguanine	150.0415	151.04941	-0.7	84212	-H	C5H5N5O	-4.4
44	2.06	Guanosine	282.0839	283.09167	-0.5	284493	-H	C10H13N5O5	-1.8
45	2.72	Ribosylimidazole acetic acid	257.0774	258.08519	-0.5	15954	-H	C10H14N2O6	-1.9

46	2.09	Inosine		267.0729	268.08077	-0.6	286124	-H	C10H12N4O5	-2.1
47	2.39	Adenosine		266.0891	267.09675	-0.4	51063	-H	C10H13N5O4	-1.6
48	3.32	Cordycepin		296.0998	251.10184	-0.2	13455	+HCOO	C10H13N5O3	-0.8
49	3.42	2'-Deoxyuridine		227.0684	228.07462	1	89957	-H	C9H12N2O5	4.5
50	3.52	Succinoadenosine		382.1	383.10771	-0.4	204624	-H	C14H17N5O8	-1.1
51	0.65	Hexonic acid		195.0505	196.0583	-0.5	16366	-H	C6H12O7	-2.7
52	0.96	3-Furoic acid	Organic acid	111.0083	112.01604	-0.5	73959	-H	C5H4O3	-4.2
53	1.06	Citric acid or Isocitrate		191.0192	192.027	-0.6	98829	-H	C6H8O7	-2.9
54	0.67	Sucrose		341.1087	342.11621	-0.2	36486	-H, +HCOO	C12H22O11	-0.6
55	0.68	D-Mannose or D-Tagatose	Glycosides	179.0557	180.06339	-0.4	12069	-H	C6H12O6	-2.4
56	1.21	D-Mannitol		181.071	182.07904	-0.8	100488	-H	C6H14O6	-4.2
57	3.6	D-Fucose		163.0607	164.06847	-0.5	62268	-H	C6H12O5	-3
58	1.75	Vitamin b8	vitamins	346.0575	347.06308	1.7	9819	-H	C10H14N5O7P	4.9
59	3.53	Pantothenic acid		218.1027	219.11067	-0.7	20787	-H	C9H17NO5	-3.3

Table S1-D Table of non-volatile components of SN's wild *O. sinensis*

#ID	RT (min)	Component name	Class	Observed (m/z)	Neutral mass (Da)	Mass error (mDa)	Response	Adducts	Formula	Mass error(ppm)
1	4.45	p-Hydroxybenzaldehyde	Aldehydes	121.0291	122.03678	-0.4	5857	-H	C7H6O2	-3.7
2	0.59	Lysopine	Amino acid and Amino acid derivative	217.1186	218.12666	-0.8	34024	-H	C9H18N2O4	-3.8
3	0.64	Aspartic acid		132.0296	133.03751	-0.7	28021	-H	C4H7NO4	-4.9
4	0.64	Acetylhistidine		242.0788	197.08004	0.6	9419	+HCOO	C8H11N3O3	2.5
5	0.65	DL-Proline		160.0608	115.06333	-0.7	8494	+HCOO	C5H9NO2	-4.4
6	0.65	Aceglutamide		233.0774	188.07971	-0.5	5870	+HCOO	C7H12N2O4	-2
7	0.65	N-(1-Deoxy-1-fructosyl) alanine		250.0924	251.1005	-0.8	27038	-H	C9H17NO7	-3.2
8	0.77	Acetylglutamic acid		188.0558	189.06372	-0.7	25056	-H	C7H11NO5	-3.5
9	1.3	Tyrosine		180.0659	181.07389	-0.7	210163	-H	C9H11NO3	-3.8
10	1.35	Methylcitric acid		205.0347	206.04265	-0.7	5180	-H	C7H10O7	-3.3
11	1.64	Valinopine		292.1046	247.10559	0.8	701021	+HCOO	C10H17NO6	2.6
12	1.92	Acetylcarnitine		202.1077	203.11576	-0.7	283304	-H	C9H17NO4	-3.7
13	3.39	Phenylalanine		164.0711	165.07898	-0.6	246491	-H	C9H11NO2	-3.7
14	3.42	Phenylacetyl-glutamine		309.1096	264.11101	0.4	5036	+HCOO	C13H16N2O4	1.2
15	3.54	Acetylleucine		218.1027	173.10519	-0.7	21848	+HCOO	C8H15NO3	-3
16	3.74	Tryptophan		203.082	204.08988	-0.6	204807	-H	C11H12N2O2	-3
17	3.81	Acetyltryptophan		291.0985	246.10044	-0.1	11550	+HCOO	C13H14N2O3	-0.4
18	3.9	Acetylvaline		158.0817	159.08954	-0.5	16543	-H	C7H13NO3	-3.4
19	3.91	Methionine		148.0432	149.05105	-0.6	18418	-H	C5H11NO2S	-3.9
20	3.91	Acetylmethionine		190.0536	191.06161	-0.7	45219	-H	C7H13NO3S	-3.8

21	4.09	Butyryl carnitine		276.1448	231.14706	-0.5	1229820	+HCOO	C11H21NO4	-1.7
22	0.69	Ala-Glu or Glu-Ala		217.0822	218.09027	-0.8	13564	-H	C8H14N2O5	-3.8
23	0.71	Asp-Val		231.098	232.10592	-0.6	28428	-H	C9H16N2O5	-2.7
24	0.71	Pro-Ala		231.098	186.10044	-0.6	28428	+HCOO, -H	C8H14N2O3	-2.7
25	1.3	Ser-Val		203.1031	204.11101	-0.6	10057	-H	C8H16N2O4	-3
26	1.4	Ile-Asp		245.1137	246.12157	-0.6	59050	-H	C10H18N2O5	-2.6
27	1.58	Ala-Met		219.08	220.08816	-0.9	10800	-H	C8H16N2O3S	-3.9
28	2.32	Ala-Tyr		251.1034	252.11101	-0.3	15516	-H	C12H16N2O4	-1.3
29	2.32	Phe-Ser		251.1034	252.11101	-0.3	15516	-H	C12H16N2O4	-1.3
30	3.11	Phe-Asp		279.0982	280.10592	-0.4	21629	-H	C13H16N2O5	-1.6
31	3.39	Gly-Leu		187.1081	188.11609	-0.7	46684	-H	C8H16N2O3	-3.7
32	3.44	Met-Val		247.1116	248.11946	-0.6	7891	-H	C10H20N2O3S	-2.6
33	3.48	Ala-Leu or Leu-Ala	Dipeptide and Tripeptide	201.1238	202.13174	-0.7	40078	-H	C9H18N2O3	-3.3
34	3.55	Pro-Tyr		277.1191	278.12666	-0.3	18590	-H	C14H18N2O4	-1.2
35	3.55	Pro-Val		259.1294	214.13174	-0.6	45769	+HCOO	C10H18N2O3	-2.1
36	3.6	Ile-Pro or Leu-Pro		273.1452	228.14739	-0.4	23038	+HCOO	C11H20N2O3	-1.3
37	3.61	Val-Leu		229.1552	230.16304	-0.6	112164	-H	C11H22N2O3	-2.4
38	3.63	Val-Tyr		325.1402	280.14231	-0.3	8676	+HCOO	C14H20N2O4	-1
39	3.73	Gly-Phe		221.0925	222.10044	-0.6	31511	-H	C11H14N2O3	-2.8
40	3.76	Ala-Phe		235.1082	236.11609	-0.6	25000	-H	C12H16N2O3	-2.6
41	3.95	Tryptophanylserine		290.1142	291.12191	-0.5	8174	-H	C14H17N3O4	-1.6
42	4.03	Leu-Tyr		293.1501	294.15796	-0.6	18305	-H	C15H22N2O4	-2
43	4.03	Thr-Trp		304.1296	305.13756	-0.7	6156	-H	C15H19N3O4	-2.3
44	4.11	Val-Phe		263.1394	264.14739	-0.7	54809	-H	C14H20N2O3	-2.6
45	4.38	Leu-Leu		243.1707	244.17869	-0.7	48538	-H	C12H24N2O3	-2.8

46	5.2	Methyl p-hydroxyphenylacetate	Ester	165.0552	166.06299	-0.6	72888	-H	C9H10O3	-3.4
47	15.17	Methyl linolenate		337.2382	292.24023	-0.2	24571	+HCOO	C19H32O2	-0.6
48	4.64	PA(16:0/0:0)	glycerophOSpholipid metabolites	453.1993	454.20723	-0.6	3403	-H	C19H37Na2O7P	-1.3
49	12.95	PC (18:3/0:0)		562.3155	517.31684	0.5	5367	+HCOO	C26H48NO7P	0.9
50	13.3	PC (12:0/0:0)		438.2625	439.26989	-0.1	6765	-H	C20H42NO7P	-0.3
51	13.37	PE (18:2/0:0)		476.278	477.28554	-0.3	425226	-H	C23H44NO7P	-0.5
52	13.73	PE (16:0/0:0)		452.2781	453.28554	-0.1	557040	-H	C21H44NO7P	-0.3
53	13.76	PC (16:0/0:0)		540.3309	495.33249	0.2	195615	+HCOO	C24H50NO7P	0.3
54	13.91	PE (18:1/0:0)		478.2939	479.30119	0	151823	-H	C23H46NO7P	-0.1
55	13.94	LysoPC (18:1(9z))		566.3466	521.34814	0.3	179569	+HCOO	C26H52NO7P	0.5
56	14.05	LysoPE (18:3(6z,9Z,12Z)/0:0)		520.2681	475.26989	0	84427	+HCOO	C23H42NO7P	0
57	14.16	PC (14:0/0:0)		466.294	467.30119	0.1	23761	-H	C22H46NO7P	0.1
58	14.58	PE (18:0/0:0)		480.3097	481.31684	0.1	137789	-H	C23H48NO7P	0.2
59	18.88	PI (18:2/0:0)		595.2895	596.29616	0.6	9816	-H	C27H49O12P	1.1
60	0.64	Cytidine	Nucleotide and Nucleotide derivative	242.0788	243.08552	0.6	9419	-H	C9H13N3O5	2.5
61	1.02	2,6-Dihydroxypurine		151.0256	152.03343	-0.5	13831	-H	C5H4N4O2	-3.4
62	1.15	AMP		346.0554	347.06308	-0.4	9234	-H	C10H14N5O7P	-1.3
63	1.31	Uridine		243.0616	244.06954	-0.6	299177	-H	C9H12N2O6	-2.6
64	1.81	Adenosine		266.0889	267.09675	-0.6	20271	-H, +HCOO	C10H13N5O4	-2.1
65	2.06	Guanine or Isoguanine		150.0414	151.04941	-0.7	109475	-H	C5H5N5O	-4.7
66	2.06	Guanosine		282.0838	283.09167	-0.6	366745	-H	C10H13N5O5	-2.1
67	2.1	Inosine		267.0729	268.08077	-0.6	244066	-H	C10H12N4O5	-2.1

68	2.71	Ribosylimidazole acetic acid		257.0773	258.08519	-0.6	28401	-H	C10H14N2O6	-2.4
69	3.33	Cordycepin		296.0998	251.10184	-0.3	12002	+HCOO	C10H13N5O3	-0.9
70	3.42	2'-Deoxyuridine		227.0684	228.07462	1.1	182705	-H	C9H12N2O5	4.7
71	3.52	Succinoadenosine		382.1002	383.10771	-0.3	305384	-H	C14H17N5O8	-0.7
72	0.66	Hexonic acid		195.0502	196.0583	-0.8	36233	-H	C6H12O7	-4
73	1.07	Citric acid or Isocitrate	Organic acid	191.0191	192.027	-0.6	163402	-H	C6H8O7	-3.1
74	5.2	Phenyllactic acid		165.0552	166.06299	-0.6	72888	-H	C9H10O3	-3.4
75	15.22	Stearic acid		283.2636	284.27153	-0.7	213504	-H	C18H36O2	-2.3
76	13.12	7,8-Dihydroxy stearic acid		315.2536	316.26136	-0.5	662870	-H	C18H36O4	-1.7
77	14.03	Linoleic acid		279.2325	280.24023	-0.5	1318260	-H	C18H32O2	-1.7
78	14.45	Palmitic acid	Saturated fatty acids and UnSaturated fatty acids	255.2323	256.24023	-0.7	934895	-H	C16H32O2	-2.7
79	14.6	Oleic acid		281.2482	282.25588	-0.4	1422573	-H	C18H34O2	-1.3
80	14.72	Linolenic acid		277.2171	278.22458	-0.2	12838	-H, +HCOO	C18H30O2	-0.9
81	11.55	C16 Sphinganine	Sphingolipids	274.274	273.26678	0	124000	+H	C16H35NO2	-0.1
82	15.65	Sphinganine		284.2945	301.29808	-0.3	20672	M-H2O+H	C18H39NO2	-1.1
83	0.68	D-Mannose or D-Tagatose		179.0553	180.06339	-0.8	14541	-H	C6H12O6	-4.3
84	0.68	Sucrose	Glycosides	341.1083	342.11621	-0.7	107531	-H, +HCOO	C12H22O11	-1.9
85	1.21	D-Mannitol		181.0709	182.07904	-0.9	98480	-H	C6H14O6	-4.7
86	3.61	D-Fucose		163.0607	164.06847	-0.5	59681	-H	C6H12O5	-3.3
87	1.15	Vitamin b8		346.0554	347.06308	-0.4	9234	-H	C10H14N5O7P	-1.3
88	3.54	Pantothenic acid	vitamins	218.1027	219.11067	-0.7	21848	-H	C9H17NO5	-3
89	4.29	Vitamin b2		375.1309	376.13828	-0.1	19759	-H	C17H20N4O6	-0.3

Table S1-E Table of non-volatile components of *O. sinensis* mycelia (JST)

#ID	RT (min)	Component name	Class	Observed	Neutral mass	Mass error	Response	Adducts	Formula	Mass error
1	0.66	L-4-Hydroxyglutamate semialdehyde	Aldehyde	146.0453	147.05316	-0.6	52280	-H	C5H9NO4	-4.1
2	0.59	Lysine		145.0976	146.10553	-0.6	20495	-H	C6H14N2O2	-4.4
3	0.59	Lysopine		217.1187	218.12666	-0.6	10639	-H	C9H18N2O4	-2.9
4	0.6	Arginine		173.1036	174.11168	-0.8	19458	-H	C6H14N4O2	-4.5
5	0.6	Histidine		154.0616	155.06948	-0.6	25841	-H	C6H9N3O2	-4.1
6	0.61	Aceglutamide		233.0775	188.07971	-0.4	10414	+HCOO	C7H12N2O4	-1.8
7	0.63	Aspartic acid		132.0297	133.03751	-0.5	7660	-H	C4H7NO4	-4.1
8	0.63	Acetylhistidine		242.078	197.08004	-0.2	22677	+HCOO	C8H11N3O3	-0.9
9	0.64	N-(1-Deoxy-1-fructosyl) alanine		250.0926	251.1005	-0.6	15067	-H	C9H17NO7	-2.5
10	0.65	Pyroglutamic acid	Amino acid and Amino acid derivative	128.0347	129.04259	-0.6	18100	-H, +HCOO	C5H7NO3	-4.6
11	0.65	Threonine		118.0504	119.05824	-0.5	7552	-H	C4H9NO3	-4.6
12	0.66	Glutamic acid		146.0453	147.05316	-0.6	52280	-H	C5H9NO4	-4.1
13	0.68	DL-Proline		160.0609	115.06333	-0.6	5186	+HCOO	C5H9NO2	-3.9
14	1.44	Tyrosine		180.066	181.07389	-0.6	63211	-H	C9H11NO3	-3.2
15	1.93	Acetylcarnitine		202.1077	203.11576	-0.7	127854	-H	C9H17NO4	127854
16	1.98	Acetylglutamic acid		188.0556	189.06372	-0.8	10355	-H	C7H11NO5	10355
17	3.39	Phenylalanine		164.071	165.07898	-0.7	153063	-H	C9H11NO2	153063
18	3.54	Acetylleucine		218.1027	173.10519	-0.6	145967	+HCOO	C8H15NO3	-3
19	3.73	Tryptophan		203.0818	204.08988	-0.8	99618	-H	C11H12N2O2	-3.8

20	3.81	Acetyltryptophan		291.0979	246.10044	-0.8	5184	+HCOO	C13H14N2O3	-2.6
21	3.89	Acetylvaline		158.0816	159.08954	-0.6	5399	-H	C7H13NO3	-3.9
22	4.13	Valinopine		246.0976	247.10559	-0.7	3918	-H	C10H17NO6	-2.9
23	3.22	Ile-Asp		245.1137	246.12157	-0.6	9880	-H	C10H18N2O5	9880
24	3.33	Ile-Pro or Leu-Pro		273.1453	228.14739	-0.3	7710	+HCOO	C11H20N2O3	7710
25	3.63	Val-Tyr	Dipeptide and Tripeptide	325.1401	280.14231	-0.4	6370	+HCOO	C14H20N2O4	-1.4
26	3.72	Val-Leu		229.1549	230.16304	-0.9	4174	-H	C11H22N2O3	-3.9
27	3.76	Gly-Phe		267.098	222.10044	-0.6	6114	+HCOO	C11H14N2O3	-2.4
28	15.14	Thr-Tyr-Thr		382.1634	383.16925	1.4	5492	-H	C17H25N3O7	3.8
29	0.67	Methylester		131.0345	86.03678	-0.5	7673	+HCOO	C4H6O2	-3.5
30	4.89	Methyl p-hydroxyphenylacetate	Ester	172.0972	173.10519	-0.7	8729	-H	C8H15NO3	-4
31	15.16	Methyl linolenate		337.238	292.24023	-0.4	18541	+HCOO	C19H32O2	-1.2
32	0.64	Glycerophosphoric acid		171.0057	172.01367	-0.7	7636	-H	C3H9O6P	-4.1
33	12.95	PC (18:3/0:0)		562.3147	517.31684	-0.3	619393	+HCOO	C26H48NO7P	-0.6
34	13.3	PC (12:0/0:0)		438.2624	439.26989	-0.2	80250	-H	C20H42NO7P	-0.5
35	13.33	PE (18:0/0:0)		526.3156	481.31684	0.5	19081	+HCOO	C23H48NO7P	1
36	13.37	PE (18:2/0:0)		476.2782	477.28554	0	1524680	-H, +HCOO	C23H44NO7P	-0.1
37	13.73	PE (16:0/0:0)	glycerophospholipid metabolites	452.2786	453.28554	0.4	2222190	-H	C21H44NO7P	0.8
38	13.76	PC (16:0/0:0)		540.331	495.33249	0.4	627181	+HCOO	C24H50NO7P	0.7
39	13.91	PE (18:1/0:0)		478.2939	479.30119	0	734424	-H	C23H46NO7P	-0.1
40	13.94	LysoPC (18:1(9z))		566.3465	521.34814	0.2	344493	+HCOO	C26H52NO7P	0.3
41	14.03	LysoPE (18:3(6z,9Z,12Z)/0:0)		520.2683	475.26989	0.2	189961	+HCOO	C23H42NO7P	0.3
42	14.07	PI (18:2/0:0)		595.2892	596.29616	0.3	87815	-H	C27H49O12P	0.6

43	14.16	PC (14:0/0:0)		466.2938	467.30119	-0.1	137727	-H	C22H46NO7P	-0.2
44	14.34	PA (18:2/0:0)		431.2201	432.22769	-0.3	52553	-H	C21H37O7P	-0.7
45	14.73	Linoleoyl Ethanolamide		368.2804	323.28243	-0.3	40575	+HCOO	C20H37NO2	-0.7
46	0.63	Cytidine		242.078	243.08552	-0.2	22677	-H	C9H13N3O5	-0.9
47	0.71	AMP		346.0556	347.06308	-0.2	34705	-H	C10H14N5O7P	-0.5
48	0.75	UDP-glucose		565.0478	566.05502	0	22641	-H	C15H24N2O17P2	0.1
49	0.99	Cyclic ADP-ribose		540.0539	541.06111	0.1	8354	-H	C15H21N5O13P2	0.1
50	1.29	Uridine		243.0617	244.06954	-0.5	136285	-H	C9H12N2O6	-2.2
51	1.58	2’,3’-cGMP		344.0401	345.04743	-0.1	66894	-H	C10H12N5O7P	-0.2
52	1.78	2’-Deoxyuridine		227.0669	228.07462	-0.5	9961	-H	C9H12N2O5	-2
53	1.81	Adenosine		266.0892	267.09675	-0.3	44075	-H, +HCOO	C10H13N5O4	44075
54	1.82	Adenine		134.0467	135.0545	-0.5	101718	-H	C5H5N5	101718
55	2.06	Guanine or Isoguanine	Nucleotide and Nucleotide derivative	150.0415	151.04941	-0.6	62741	-H	C5H5N5O	62741
56	2.06	Guanosine		282.0838	283.09167	-0.5	311410	-H	C10H13N5O5	311410
57	2.09	Inosine		267.073	268.08077	-0.5	37357	-H	C10H12N4O5	37357
58	2.54	6-Hydroxypurine or Hypoxanthine		135.0307	136.03851	-0.6	5315	-H	C5H4N4O	5315
59	2.71	Ribosylimidazole acetic acid		257.0773	258.08519	-0.6	13418	-H	C10H14N2O6	13418
60	3.08	2,6-Dihydroxypurine		151.0255	152.03343	-0.7	13380	-H	C5H4N4O2	13380
61	3.33	Cordycepin		296.0996	251.10184	-0.5	30984	+HCOO	C10H13N5O3	30984
62	3.36	Thymidine		241.0825	242.09027	-0.5	51257	-H, +HCOO	C10H14N2O5	51257
63	3.52	Succinoadenosine		382.1003	383.10771	-0.2	683139	-H	C14H17N5O8	-0.5
64	0.65	Hexonic acid	Organic acid	195.0504	196.0583	-0.7	45144	-H	C6H12O7	-3.4
65	0.81	Malic acid		133.0136	134.02152	-0.6	38683	-H	C4H6O5	-4.5

66	0.97	3-Furoic acid		111.0082	112.01604	-0.6	281515	-H	C5H4O3	-5
67	1.06	Citric acid or Isocitrate		191.0191	192.027	-0.6	387834	-H	C6H8O7	-3.2
68	1.35	Methylcitric acid		205.0348	206.04265	-0.6	241106	-H	C7H10O7	-2.9
69	5.19	Phenyllactic acid		165.055	166.06299	-0.7	9228	-H	C9H10O3	-4.3
70	15.22	Stearic acid		283.2635	284.27153	-0.8	124508	-H	C18H36O2	-2.7
71	13.11	7,8-Dihydroxy stearic acid		315.2535	316.26136	-0.6	32491	-H	C18H36O4	-1.9
72	14.44	Palmitic acid		255.2322	256.24023	-0.7	138232	-H	C16H32O2	-2.8
73	14.6	Oleic acid	Saturated fatty acids and Unsaturated fatty acids	281.248	282.25588	-0.6	63093	-H	C18H34O2	-2.1
74	14.03	Linoleic acid		279.2324	280.24023	-0.5	218529	-H	C18H32O2	-1.8
75	14.72	Linolenic acid		277.2168	278.22458	-0.5	81234	-H, +HCOO	C18H30O2	-1.8
76	11.55	C16 Sphinganine	Sphingolipids	274.2738	273.26678	-0.3	99943	-H	C16H35NO2	-1
77	15.66	Sphinganine		284.2945	301.29808	-0.3	17320	M-H2O+H	C18H39NO2	-0.9
78	0.64	D-Fucose		163.0606	164.06847	-0.6	10036	-H, +HCOO	C6H12O5	-3.8
79	0.68	D-Mannose or D-Tagatose		179.0555	180.06339	-0.6	75802	-H	C6H12O6	-3.1
80	0.69	Sucrose	Glycosides	341.1086	342.11621	-0.3	233142	-H, +HCOO	C12H22O11	-1
81	1.21	D-mannitol		181.0708	182.07904	-0.9	18032	-H	C6H14O6	-5
82	3.35	Blumeoside A		555.1358	556.14282	0.2	5305	-H	C24H28O15	5305
83	0.71	Vitamin b8		346.0556	347.06308	-0.2	34705	-H	C10H14N5O7P	-0.5
84	3.54	Pantothenic acid	vitamins	218.1027	219.11067	-0.6	145967	-H	C9H17NO5	-3
85	4.28	Vitamin b2		375.1309	376.13828	-0.1	46836	-H, +HCOO	C17H20N4O6	-0.4