

Table S1. Untargeted lipidomic analysis of the negative ion of *CG*-methanolic extracts.

#	Lipid Ion	Lipid Group	Class	Fatty Acid	FA1	FA2	CalcMz	ObsMz	Rt	Ion Formula
1	Cer(d16:1_26:6)+HCOO	Cer(d42:7)+HCOO	Cer	(d16:1_26:6)	(d16:1)	(26:6)	682.541598	682.5416	11.418	C43 H72 O5 N1
2	Cer(d17:0_16:0)+HCOO	Cer(d33:0)+HCOO	Cer	(d17:0_16:0)	(d17:0)	(16:0)	570.510298	570.50984	10.73	C34 H68 O5 N1
3	Cer(d17:0_21:0)+HCOO	Cer(d38:0)+HCOO	Cer	(d17:0_21:0)	(d17:0)	(21:0)	640.588548	640.58855	13.002	C39 H78 O5 N1
4	Cer(d18:0_16:0)-H	Cer(d34:0)-H	Cer	(d18:0_16:0)	(d18:0)	(16:0)	538.520468	538.52047	11.733	C34 H68 O3 N1
5	Cer(d18:0_19:0)+HCOO	Cer(d37:0)+HCOO	Cer	(d18:0_19:0)	(d18:0)	(19:0)	626.572898	626.5729	12.477	C38 H76 O5 N1
6	Cer(d18:0_21:0)+HCOO	Cer(d39:0)+HCOO	Cer	(d18:0_21:0)	(d18:0)	(21:0)	654.604198	654.6042	7.286	C40 H80 O5 N1
7	Cer(d18:0_22:0)+HCOO	Cer(d40:0)+HCOO	Cer	(d18:0_22:0)	(d18:0)	(22:0)	668.619848	668.619824	10.165	C41 H82 O5 N1
8	Cer(d18:0_25:0)+HCOO	Cer(d43:0)+HCOO	Cer	(d18:0_25:0)	(d18:0)	(25:0)	710.666798	710.666604	13.311	C44 H88 O5 N1
9	Cer(d18:1_15:0)+HCOO	Cer(d33:1)+HCOO	Cer	(d18:1_15:0)	(d18:1)	(15:0)	568.494648	568.494483	10.259	C34 H66 O5 N1
10	Cer(d18:1_19:0)+HCOO	Cer(d37:1)+HCOO	Cer	(d18:1_19:0)	(d18:1)	(19:0)	624.557248	624.55725	11.979	C38 H74 O5 N1
11	Cer(d18:1_20:0)+HCOO	Cer(d38:1)+HCOO	Cer	(d18:1_20:0)	(d18:1)	(20:0)	638.572898	638.5729	12.458	C39 H76 O5 N1
12	Cer(d18:1_21:0)+HCOO	Cer(d39:1)+HCOO	Cer	(d18:1_21:0)	(d18:1)	(21:0)	652.588548	652.588403	12.968	C40 H78 O5 N1
13	Cer(d18:1_22:0)+HCOO	Cer(d40:1)+HCOO	Cer	(d18:1_22:0)	(d18:1)	(22:0)	666.604198	666.604097	7.26	C41 H80 O5 N1
14	Cer(d18:1_23:0)+HCOO	Cer(d41:1)+HCOO	Cer	(d18:1_23:0)	(d18:1)	(23:0)	680.619848	680.619706	10.125	C42 H82 O5 N1
15	Cer(d18:1_24:0)+HCOO	Cer(d42:1)+HCOO	Cer	(d18:1_24:0)	(d18:1)	(24:0)	694.635498	694.635158	11.348	C43 H84 O5 N1
16	Cer(d18:1_25:0)+HCOO	Cer(d43:1)+HCOO	Cer	(d18:1_25:0)	(d18:1)	(25:0)	708.651148	708.650731	12.204	C44 H86 O5 N1
17	Cer(d18:2_16:0)-H	Cer(d34:2)-H	Cer	(d18:2_16:0)	(d18:2)	(16:0)	534.489168	534.488446	10.513	C34 H64 O3 N1
18	Cer(d19:0_22:0)+HCOO	Cer(d41:0)+HCOO	Cer	(d19:0_22:0)	(d19:0)	(22:0)	682.635498	682.6355	11.349	C42 H84 O5 N1
19	Cer(d19:0_23:0)+HCOO	Cer(d42:0)+HCOO	Cer	(d19:0_23:0)	(d19:0)	(23:0)	696.651148	696.65115	12.276	C43 H86 O5 N1
20	Cer(d19:0_23:1)+HCOO	Cer(d42:1)+HCOO	Cer	(d19:0_23:1)	(d19:0)	(23:1)	694.635498	694.6355	9.727	C43 H84 O5 N1
21	Cer(d19:0_25:1)+HCOO	Cer(d44:1)+HCOO	Cer	(d19:0_25:1)	(d19:0)	(25:1)	722.666798	722.6668	12.08	C45 H88 O5 N1
22	Cer(d20:1_25:0)+HCOO	Cer(d45:1)+HCOO	Cer	(d20:1_25:0)	(d20:1)	(25:0)	736.682448	736.68245	13.11	C46 H90 O5 N1
23	Cer(d34:1)-H	Cer(d34:1)-H	Cer	(d34:1)	(d34:1)		536.504818	536.50482	11.009	C34 H66 O3 N1
24	Cer(d34:6)+HCOO	Cer(d34:6)+HCOO	Cer	(d34:6)	(d34:6)		572.432048	572.43205	11.287	C35 H58 O5 N1
25	Cer(d41:1)-H	Cer(d41:1)-H	Cer	(d41:1)	(d41:1)		634.614368	634.61437	11.978	C41 H80 O3 N1
26	Cer(d41:1)+HCOO	Cer(d41:1)+HCOO	Cer	(d41:1)	(d41:1)		680.619848	680.61985	13.32	C42 H82 O5 N1

27	Cer(d44:1)+HCOO	Cer(d44:1)+HCOO	Cer	(d44:1)	(d44:1)		722.666798	722.6668	13.308	C45 H88 O5 N1
28	Cer(m17:0_24:0)+HCOO	Cer(m41:0)+HCOO	Cer	(m17:0_24:0)	(m17:0)	(24:0)	666.640583	666.64058	11.914	C42 H84 O4 N1
29	Cer(m17:0_25:0)+HCOO	Cer(m42:0)+HCOO	Cer	(m17:0_25:0)	(m17:0)	(25:0)	680.656233	680.65623	12.882	C43 H86 O4 N1
30	Cer(m17:1_23:0)+HCOO	Cer(m40:1)+HCOO	Cer	(m17:1_23:0)	(m17:1)	(23:0)	650.609283	650.60928	9.462	C41 H80 O4 N1
31	Cer(m18:0_15:0)+HCOO	Cer(m33:0)+HCOO	Cer	(m18:0_15:0)	(m18:0)	(15:0)	554.515383	554.51538	11.467	C34 H68 O4 N1
32	Cer(m18:1_15:0)+HCOO	Cer(m33:1)+HCOO	Cer	(m18:1_15:0)	(m18:1)	(15:0)	552.499733	552.49973	11.124	C34 H66 O4 N1
33	Cer(m19:1_25:2)+HCOO	Cer(m44:3)+HCOO	Cer	(m19:1_25:2)	(m19:1)	(25:2)	702.640583	702.64095	13.449	C45 H84 O4 N1
34	Cer(m34:2+2O)-H	Cer(m34:2+2O)-H	Cer	(m34:2+2O)	(m34:2+2O)		550.484083	550.48408	9.802	C34 H64 O4 N1
35	Cer(m45:1+O)+HCOO	Cer(m45:1+O)+HCOO	Cer	(m45:1+O)	(m45:1+O)		736.682448	736.68245	13.11	C46 H90 O5 N1
36	Cer(t16:1_17:0)+HCOO	Cer(t33:1)+HCOO	Cer	(t16:1_17:0)	(t16:1)	(17:0)	584.489563	584.48956	8.234	C34 H66 O6 N1
37	Cer(t16:1_18:1)-H	Cer(t34:2)-H	Cer	(t16:1_18:1)	(t16:1)	(18:1)	550.484083	550.483858	10.664	C34 H64 O4 N1
38	Cer(t17:0_21:0)-H	Cer(t38:0)-H	Cer	(t17:0_21:0)	(t17:0)	(21:0)	610.577983	610.57798	12.777	C38 H76 O4 N1
39	Cer(t17:0_24:1)-H	Cer(t41:1)-H	Cer	(t17:0_24:1)	(t17:0)	(24:1)	650.609283	650.60928	11.327	C41 H80 O4 N1
40	Cer(t17:0_25:0+O)-H	Cer(t42:0+O)-H	Cer	(t17:0_25:0+O)	(t17:0)	(25:0+O)	682.635498	682.635158	11.349	C42 H84 O5 N1
41	Cer(t17:0_25:0+O)+HCOO	Cer(t42:0+O)+HCOO	Cer	(t17:0_25:0+O)	(t17:0)	(25:0+O)	728.640978	728.64098	11.344	C43 H86 O7 N1
42	Cer(t17:1_25:0+O)+HCOO	Cer(t42:1+O)+HCOO	Cer	(t17:1_25:0+O)	(t17:1)	(25:0+O)	726.625328	726.62533	10.111	C43 H84 O7 N1
43	Cer(t18:0_16:0)-H	Cer(t34:0)-H	Cer	(t18:0_16:0)	(t18:0)	(16:0)	554.515383	554.51538	10.981	C34 H68 O4 N1
44	Cer(t18:0_18:0)-H	Cer(t36:0)-H	Cer	(t18:0_18:0)	(t18:0)	(18:0)	582.546683	582.54668	11.804	C36 H72 O4 N1
45	Cer(t18:0_18:0+O)-H	Cer(t36:0+O)-H	Cer	(t18:0_18:0+O)	(t18:0)	(18:0+O)	598.541598	598.5416	11.56	C36 H72 O5 N1
46	Cer(t18:0_20:0+O)-H	Cer(t38:0+O)-H	Cer	(t18:0_20:0+O)	(t18:0)	(20:0+O)	626.572898	626.5729	12.471	C38 H76 O5 N1
47	Cer(t18:0_22:0)-H	Cer(t40:0)-H	Cer	(t18:0_22:0)	(t18:0)	(22:0)	638.609283	638.60928	9.451	C40 H80 O4 N1

48	Cer(t18:0_23:0)-H	Cer(t41:0)-H	Cer	(t18:0_23:0)	(t18:0)	(23:0)	652.624933	652.62493	10.981	C41 H82 O4 N1
49	Cer(t18:0_23:0)+HCOO	Cer(t41:0)+HCOO	Cer	(t18:0_23:0)	(t18:0)	(23:0)	698.630413	698.63041	12.397	C42 H84 O6 N1
50	Cer(t18:0_24:0)-H	Cer(t42:0)-H	Cer	(t18:0_24:0)	(t18:0)	(24:0)	666.640583	666.640451	11.914	C42 H84 O4 N1
51	Cer(t18:0_24:1)-H	Cer(t42:1)-H	Cer	(t18:0_24:1)	(t18:0)	(24:1)	664.624933	664.62493	12.195	C42 H82 O4 N1
52	Cer(t18:0_25:0)-H	Cer(t43:0)-H	Cer	(t18:0_25:0)	(t18:0)	(25:0)	680.656233	680.65623	12.882	C43 H86 O4 N1
53	Cer(t18:1_16:0)-H	Cer(t34:1)-H	Cer	(t18:1_16:0)	(t18:1)	(16:0)	552.499733	552.49973	10.68	C34 H66 O4 N1
54	Cer(t18:1_22:0)-H	Cer(t40:1)-H	Cer	(t18:1_22:0)	(t18:1)	(22:0)	636.593633	636.59363	13.316	C40 H78 O4 N1
55	Cer(t18:1_22:0)+HCOO	Cer(t40:1)+HCOO	Cer	(t18:1_22:0)	(t18:1)	(22:0)	682.599113	682.59911	11.561	C41 H80 O6 N1
56	Cer(t18:1_23:0)+HCOO	Cer(t41:1)+HCOO	Cer	(t18:1_23:0)	(t18:1)	(23:0)	696.614763	696.61476	11.739	C42 H82 O6 N1
57	Cer(t18:1_24:0)-H	Cer(t42:1)-H	Cer	(t18:1_24:0)	(t18:1)	(24:0)	664.624933	664.62493	10.959	C42 H82 O4 N1
58	Cer(t18:1_25:0)-H	Cer(t43:1)-H	Cer	(t18:1_25:0)	(t18:1)	(25:0)	678.640583	678.64058	11.893	C43 H84 O4 N1
59	Cer(t18:1_25:0+O)-H	Cer(t43:1+O)-H	Cer	(t18:1_25:0+O)	(t18:1)	(25:0+O)	694.635498	694.6355	9.917	C43 H84 O5 N1
60	Cer(t20:0_20:1+O)-H	Cer(t40:1+O)-H	Cer	(t20:0_20:1+O)	(t20:0)	(20:1+O)	652.588548	652.587968	12.968	C40 H78 O5 N1
61	Cer(t20:0_20:1+O)+HCOO	Cer(t40:1+O)+HCOO	Cer	(t20:0_20:1+O)	(t20:0)	(20:1+O)	698.594028	698.594198	12.982	C41 H80 O7 N1
62	Cer(t34:1+O)-H	Cer(t34:1+O)-H	Cer	(t34:1+O)	(t34:1+O)		568.494648	568.494227	10.261	C34 H66 O5 N1
63	Cer(t36:1+O)-H	Cer(t36:1+O)-H	Cer	(t36:1+O)	(t36:1+O)		596.525948	596.526091	11.159	C36 H70 O5 N1
64	Cer(t39:1)+HCOO	Cer(t39:1)+HCOO	Cer	(t39:1)	(t39:1)		668.583463	668.58346	11.204	C40 H78 O6 N1
65	Cer(t39:1+O)-H	Cer(t39:1+O)-H	Cer	(t39:1+O)	(t39:1+O)		638.572898	638.5729	12.458	C39 H76 O5 N1
66	Cer(t40:0+O)-H	Cer(t40:0+O)-H	Cer	(t40:0+O)	(t40:0+O)		654.604198	654.6042	7.286	C40 H80 O5 N1
67	Cer(t41:0+O)-H	Cer(t41:0+O)-H	Cer	(t41:0+O)	(t41:0+O)		668.619848	668.619758	10.165	C41 H82 O5 N1
68	Cer(t41:1)-H	Cer(t41:1)-H	Cer	(t41:1)	(t41:1)		650.609283	650.60928	9.462	C41 H80 O4 N1
69	Cer(t41:1+O)-H	Cer(t41:1+O)-H	Cer	(t41:1+O)	(t41:1+O)		666.604198	666.6042	7.26	C41 H80 O5 N1
70	Cer(t43:0+O)-H	Cer(t43:0+O)-H	Cer	(t43:0+O)	(t43:0+O)		696.651148	696.650182	12.277	C43 H86 O5 N1
71	Cer(t43:0+O)+HCOO	Cer(t43:0+O)+HCOO	Cer	(t43:0+O)	(t43:0+O)		742.656628	742.65663	12.285	C44 H88 O7 N1
72	Cer(t43:1+O)-H	Cer(t43:1+O)-H	Cer	(t43:1+O)	(t43:1+O)		694.635498	694.6355	11.348	C43 H84 O5 N1
73	Cer(t44:0+O)-H	Cer(t44:0+O)-H	Cer	(t44:0+O)	(t44:0+O)		710.666798	710.6668	13.308	C44 H88 O5 N1
74	Cer(t44:1+O)-H	Cer(t44:1+O)-H	Cer	(t44:1+O)	(t44:1+O)		708.651148	708.650971	12.204	C44 H86 O5 N1

75	CerP(d33:1)+HCOO	CerP(d33:1)+HCOO	CerP	(d33:1)	(d33:1)		648.460981	648.46098	8.853	C34 H67 O8 N1 P1
76	CerP(d39:1)+HCOO	CerP(d39:1)+HCOO	CerP	(d39:1)	(d39:1)		732.554881	732.55488	11.511	C40 H79 O8 N1 P1
77	CerP(d40:1)+HCOO	CerP(d40:1)+HCOO	CerP	(d40:1)	(d40:1)		746.570531	746.57053	11.911	C41 H81 O8 N1 P1
78	CerP(d41:1)+HCOO	CerP(d41:1)+HCOO	CerP	(d41:1)	(d41:1)		760.586181	760.58618	12.323	C42 H83 O8 N1 P1
79	CerP(d41:1+O)+HCOO	CerP(d41:1+O)+HCOO	CerP	(d41:1+O)	(d41:1+O)		776.581096	776.5811	11.683	C42 H83 O9 N1 P1
80	CerP(d42:1)+HCOO	CerP(d42:1)+HCOO	CerP	(d42:1)	(d42:1)		774.601831	774.60183	12.795	C43 H85 O8 N1 P1
81	CerP(d42:1+O)+HCOO	CerP(d42:1+O)+HCOO	CerP	(d42:1+O)	(d42:1+O)		790.596746	790.59675	12.088	C43 H85 O9 N1 P1
82	CerP(m33:0+O)+HCOO	CerP(m33:0+O)+HCOO	CerP	(m33:0+O)	(m33:0+O)		650.476631	650.47663	9.342	C34 H69 O8 N1 P1
83	CerP(m39:0+O)+HCOO	CerP(m39:0+O)+HCOO	CerP	(m39:0+O)	(m39:0+O)		734.570531	734.57053	11.89	C40 H81 O8 N1 P1
84	CerP(m40:0+O)+HCOO	CerP(m40:0+O)+HCOO	CerP	(m40:0+O)	(m40:0+O)		748.586181	748.58618	12.303	C41 H83 O8 N1 P1
85	CerP(m41:0)+HCOO	CerP(m41:0)+HCOO	CerP	(m41:0)	(m41:0)		746.606916	746.60692	13.032	C42 H85 O7 N1 P1
86	CerP(m41:0+O)+HCOO	CerP(m41:0+O)+HCOO	CerP	(m41:0+O)	(m41:0+O)		762.601831	762.60183	12.79	C42 H85 O8 N1 P1
87	CerP(m42:0+O)+HCOO	CerP(m42:0+O)+HCOO	CerP	(m42:0+O)	(m42:0+O)		776.617481	776.61748	13.304	C43 H87 O8 N1 P1
88	CerP(t41:0)+HCOO	CerP(t41:0)+HCOO	CerP	(t41:0)	(t41:0)		778.596746	778.59675	12.084	C42 H85 O9 N1 P1
89	CerP(t41:0+O)-H	CerP(t41:0+O)-H	CerP	(t41:0+O)	(t41:0+O)		748.586181	748.58618	12.303	C41 H83 O8 N1 P1
90	CerP(t42:0)+HCOO	CerP(t42:0)+HCOO	CerP	(t42:0)	(t42:0)		792.612396	792.6124	12.541	C43 H87 O9 N1 P1
91	CerP(t42:0+O)-H	CerP(t42:0+O)-H	CerP	(t42:0+O)	(t42:0+O)		762.601831	762.60183	12.792	C42 H85 O8 N1 P1
92	CerP(t42:1+O)-H	CerP(t42:1+O)-H	CerP	(t42:1+O)	(t42:1+O)		760.586181	760.58618	12.323	C42 H83 O8 N1 P1
93	cPA(12:0)-H	cPA(12:0)-H	cPA	(12:0)	(12:0)		335.162902	335.162981	1.328	C15 H28 O6 N0 P1
94	cPA(14:0)-H	cPA(14:0)-H	cPA	(14:0)	(14:0)		363.194202	363.1942	9.572	C17 H32 O6 N0 P1
95	cPA(16:0)-H	cPA(16:0)-H	cPA	(16:0)	(16:0)		391.225502	391.225281	10.451	C19 H36 O6 N0 P1
96	cPA(20:0)-H	cPA(20:0)-H	cPA	(20:0)	(20:0)		447.288102	447.2881	12.02	C23 H44 O6 N0 P1
97	cPA(22:0)-H	cPA(22:0)-H	cPA	(22:0)	(22:0)		475.319402	475.3194	12.954	C25 H48 O6 N0 P1
98	cPA(24:0)-H	cPA(24:0)-H	cPA	(24:0)	(24:0)		503.350702	503.3507	9.735	C27 H52 O6 N0 P1

99	DGMG(18:3)-H	DGMG(18:3)-H	DGMG	(18:3)	(18:3)		675.359734	675.359399	8.848	C33 H55 O14
100	DLCL(29:2)-H	DLCL(29:2)-H	DLCL	(29:2)	(29:2)		829.427375	829.42737	10.467	C38 H71 O15 P2
101	DLCL(31:2)-H	DLCL(31:2)-H	DLCL	(31:2)	(31:2)		857.458675	857.45867	11.248	C40 H75 O15 P2
102	DLCL(31:4)-H	DLCL(31:4)-H	DLCL	(31:4)	(31:4)		853.427375	853.42737	9.816	C40 H71 O15 P2
103	dMePE(15:0_18:2)-H	dMePE(33:2)-H	dMePE	(15:0_18:2)	(15:0)	(18:2)	728.523581	728.52358	10.4	C40 H75 O8 N1 P1
104	dMePE(16:0_14:0)-H	dMePE(30:0)-H	dMePE	(16:0_14:0)	(16:0)	(14:0)	690.507931	690.50793	9.82	C37 H73 O8 N1 P1
105	dMePE(16:0_16:0)-H	dMePE(32:0)-H	dMePE	(16:0_16:0)	(16:0)	(16:0)	718.539231	718.53923	11.41	C39 H77 O8 N1 P1
106	dMePE(16:0_18:1)-H	dMePE(34:1)-H	dMePE	(16:0_18:1)	(16:0)	(18:1)	744.554881	744.555323	11.438	C41 H79 O8 N1 P1
107	dMePE(16:0_18:2)-H	dMePE(34:2)-H	dMePE	(16:0_18:2)	(16:0)	(18:2)	742.539231	742.539108	10.815	C41 H77 O8 N1 P1
108	dMePE(16:0_18:3)-H	dMePE(34:3)-H	dMePE	(16:0_18:3)	(16:0)	(18:3)	740.523581	740.52358	10.225	C41 H75 O8 N1 P1
109	dMePE(16:0_20:4)-H	dMePE(36:4)-H	dMePE	(16:0_20:4)	(16:0)	(20:4)	766.539231	766.53923	10.679	C43 H77 O8 N1 P1
110	dMePE(17:0_18:2)-H	dMePE(35:2)-H	dMePE	(17:0_18:2)	(17:0)	(18:2)	756.554881	756.55488	11.212	C42 H79 O8 N1 P1
111	dMePE(18:0_16:0)-H	dMePE(34:0)-H	dMePE	(18:0_16:0)	(18:0)	(16:0)	746.570531	746.57053	12.243	C41 H81 O8 N1 P1
112	dMePE(18:0_18:1)-H	dMePE(36:1)-H	dMePE	(18:0_18:1)	(18:0)	(18:1)	772.586181	772.58618	12.263	C43 H83 O8 N1 P1
113	dMePE(18:0_18:2)-H	dMePE(36:2)-H	dMePE	(18:0_18:2)	(18:0)	(18:2)	770.570531	770.57108	11.595	C43 H81 O8 N1 P1
114	dMePE(18:0_20:4)-H	dMePE(38:4)-H	dMePE	(18:0_20:4)	(18:0)	(20:4)	794.570531	794.57053	11.455	C45 H81 O8 N1 P1
115	dMePE(18:1_18:2)-H	dMePE(36:3)-H	dMePE	(18:1_18:2)	(18:1)	(18:2)	768.554881	768.554468	10.849	C43 H79 O8 N1 P1
116	dMePE(18:2_18:2)-H	dMePE(36:4)-H	dMePE	(18:2_18:2)	(18:2)	(18:2)	766.539231	766.538959	10.175	C43 H77 O8 N1 P1
117	dMePE(18:3_18:2)-H	dMePE(36:5)-H	dMePE	(18:3_18:2)	(18:3)	(18:2)	764.523581	764.52358	9.528	C43 H75 O8 N1 P1
118	dMePE(20:0_18:2)-H	dMePE(38:2)-H	dMePE	(20:0_18:2)	(20:0)	(18:2)	798.601831	798.60183	11.654	C45 H85 O8 N1 P1
119	dMePE(28:0_13:0)-H	dMePE(41:0)-H	dMePE	(28:0_13:0)	(28:0)	(13:0)	844.680081	844.68008	9.922	C48 H95 O8 N1 P1
120	dMePE(30:0_14:1)-H	dMePE(44:1)-H	dMePE	(30:0_14:1)	(30:0)	(14:1)	884.711381	884.718812	11.96	C51 H99 O8 N1 P1
121	dMePE(33:5)-H	dMePE(33:5)-H	dMePE	(33:5)	(33:5)		722.476631	722.47663	5.505	C40 H69 O8 N1 P1
122	dMePE(41:0)-H	dMePE(41:0)-H	dMePE	(41:0)	(41:0)		844.680081	844.680105	7.305	C48 H95 O8 N1 P1
123	dMePE(41:1)-H	dMePE(41:1)-H	dMePE	(41:1)	(41:1)		842.664431	842.66443	1.323	C48 H93 O8 N1 P1
124	FA(20:0)-H	FA(20:0)-H	FA	(20:0)	(20:0)		311.295554	311.29555	8.717	O2 H39 C20
125	FA(20:5)-H	FA(20:5)-H	FA	(20:5)	(20:5)		301.217304	301.2173	3.381	O2 H29 C20
126	Hex1Cer(d16:1_18:1)-H	Hex1Cer(d34:2)-H	Hex1Cer	(d16:1_18:1)	(d16:1)	(18:1)	696.541993	696.54199	10.462	C40 H74 O8 N1

127	Hex1Cer(d19:0_22:1)+HCOO	Hex1Cer(d41:1)+HCOO	Hex1Cer	(d19:0_22:1)	(d19:0)	(22:1)	842.672673	842.67267	6.699	C48 H92 O10 N1
128	Hex1Cer(d33:0)+HCOO	Hex1Cer(d33:0)+HCOO	Hex1Cer	(d33:0)	(d33:0)		732.563123	732.56312	10.287	C40 H78 O10 N1
129	Hex1Cer(d33:1)+HCOO	Hex1Cer(d33:1)+HCOO	Hex1Cer	(d33:1)	(d33:1)		730.547473	730.547113	9.801	C40 H76 O10 N1
130	Hex1Cer(d34:2+O)+HCOO	Hex1Cer(d34:2+O)+HCOO	Hex1Cer	(d34:2+O)	(d34:2+O)		758.542388	758.54239	10.082	C41 H76 O11 N1
131	Hex1Cer(d35:1)+HCOO	Hex1Cer(d35:1)+HCOO	Hex1Cer	(d35:1)	(d35:1)		758.578773	758.57877	10.744	C42 H80 O10 N1
132	Hex1Cer(d37:1)+HCOO	Hex1Cer(d37:1)+HCOO	Hex1Cer	(d37:1)	(d37:1)		786.610073	786.610051	11.549	C44 H84 O10 N1
133	Hex1Cer(d38:1)+HCOO	Hex1Cer(d38:1)+HCOO	Hex1Cer	(d38:1)	(d38:1)		800.625723	800.625321	11.911	C45 H86 O10 N1
134	Hex1Cer(d39:0)+HCOO	Hex1Cer(d39:0)+HCOO	Hex1Cer	(d39:0)	(d39:0)		816.657023	816.65702	12.925	C46 H90 O10 N1
135	Hex1Cer(d39:1)+HCOO	Hex1Cer(d39:1)+HCOO	Hex1Cer	(d39:1)	(d39:1)		814.641373	814.640348	12.388	C46 H88 O10 N1
136	Hex1Cer(d40:1)+HCOO	Hex1Cer(d40:1)+HCOO	Hex1Cer	(d40:1)	(d40:1)		828.657023	828.656504	12.811	C47 H90 O10 N1
137	Hex1Cer(d41:0)+HCOO	Hex1Cer(d41:0)+HCOO	Hex1Cer	(d41:0)	(d41:0)		844.688323	844.68832	9.922	C48 H94 O10 N1
138	Hex1Cer(d41:1)+HCOO	Hex1Cer(d41:1)+HCOO	Hex1Cer	(d41:1)	(d41:1)		842.672673	842.671905	13.321	C48 H92 O10 N1
139	Hex1Cer(d41:2)+HCOO	Hex1Cer(d41:2)+HCOO	Hex1Cer	(d41:2)	(d41:2)		840.657023	840.65702	11.666	C48 H90 O10 N1
140	Hex1Cer(d42:1)+HCOO	Hex1Cer(d42:1)+HCOO	Hex1Cer	(d42:1)	(d42:1)		856.688323	856.68825	9.617	C49 H94 O10 N1
141	Hex1Cer(d43:1)+HCOO	Hex1Cer(d43:1)+HCOO	Hex1Cer	(d43:1)	(d43:1)		870.703973	870.70317	11.021	C50 H96 O10 N1
142	Hex1Cer(d44:1)+HCOO	Hex1Cer(d44:1)+HCOO	Hex1Cer	(d44:1)	(d44:1)		884.719623	884.71962	11.96	C51 H98 O10 N1
143	Hex1Cer(m39:1)+HCOO	Hex1Cer(m39:1)+HCOO	Hex1Cer	(m39:1)	(m39:1)		798.646458	798.64646	12.565	C46 H88 O9 N1
144	Hex1Cer(m41:2)+HCOO	Hex1Cer(m41:2)+HCOO	Hex1Cer	(m41:2)	(m41:2)		824.662108	824.661675	9.669	C48 H90 O9 N1

145	Hex1Cer(t16:0_18:2)-H	Hex1Cer(t34:2)-H	Hex1Cer	(t16:0_18:2)	(t16:0)	(18:2)	712.536908	712.536255	10.1	C40 H74 O9 N1
146	Hex1Cer(t18:0_18:2)-H	Hex1Cer(t36:2)-H	Hex1Cer	(t18:0_18:2)	(t18:0)	(18:2)	740.568208	740.568142	11.086	C42 H78 O9 N1
147	Hex1Cer(t31:1)+HCOO	Hex1Cer(t31:1)+HCOO	Hex1Cer	(t31:1)	(t31:1)		718.511088	718.51109	9.207	C38 H72 O11 N1
148	Hex1Cer(t33:1)+HCOO	Hex1Cer(t33:1)+HCOO	Hex1Cer	(t33:1)	(t33:1)		746.542388	746.54239	7.695	C40 H76 O11 N1
149	Hex1Cer(t33:2)-H	Hex1Cer(t33:2)-H	Hex1Cer	(t33:2)	(t33:2)		698.521258	698.52126	9.7	C39 H72 O9 N1
150	Hex1Cer(t34:0)-H	Hex1Cer(t34:0)-H	Hex1Cer	(t34:0)	(t34:0)		716.568208	716.56831	11.009	C40 H78 O9 N1
151	Hex1Cer(t34:1)-H	Hex1Cer(t34:1)-H	Hex1Cer	(t34:1)	(t34:1)		714.552558	714.552311	10.391	C40 H76 O9 N1
152	Hex1Cer(t34:2)+HCOO	Hex1Cer(t34:2)+HCOO	Hex1Cer	(t16:0_18:2)	(t16:0)	(18:2)	758.542388	758.542573	10.082	C41 H76 O11 N1
153	Hex1Cer(t39:1)+HCOO	Hex1Cer(t39:1)+HCOO	Hex1Cer	(t39:1)	(t39:1)		830.636288	830.63629	10.821	C46 H88 O11 N1
154	Hex1Cer(t40:1)+HCOO	Hex1Cer(t40:1)+HCOO	Hex1Cer	(t40:1)	(t40:1)		844.651938	844.65194	11.208	C47 H90 O11 N1
155	Hex1Cer(t40:2)-H	Hex1Cer(t40:2)-H	Hex1Cer	(t40:2)	(t40:2)		796.630808	796.63081	12.817	C46 H86 O9 N1
156	Hex1Cer(t41:1)+HCOO	Hex1Cer(t41:1)+HCOO	Hex1Cer	(t41:1)	(t41:1)		858.667588	858.667042	11.58	C48 H92 O11 N1
157	Hex1Cer(t41:2)+HCOO	Hex1Cer(t41:2)+HCOO	Hex1Cer	(t41:2)	(t41:2)		856.651938	856.65194	11.614	C48 H90 O11 N1
158	Hex1Cer(t42:1)-H	Hex1Cer(t42:1)-H	Hex1Cer	(t42:1)	(t42:1)		826.677758	826.67776	10.343	C48 H92 O9 N1
159	Hex1Cer(t42:1)+HCOO	Hex1Cer(t42:1)+HCOO	Hex1Cer	(t42:1)	(t42:1)		872.683238	872.68324	11.961	C49 H94 O11 N1
160	Hex1Cer(t42:1+O)+HCOO	Hex1Cer(t42:1+O)+HCOO	Hex1Cer	(t42:1+O)	(t42:1+O)		888.678153	888.67815	13.348	C49 H94 O12 N1
161	Hex1Cer(t42:2)-H	Hex1Cer(t42:2)-H	Hex1Cer	(t42:2)	(t42:2)		824.662108	824.661801	9.117	C48 H90 O9 N1
162	Hex1Cer(t43:1)+HCOO	Hex1Cer(t43:1)+HCOO	Hex1Cer	(t43:1)	(t43:1)		886.698888	886.69889	12.427	C50 H96 O11 N1
163	Hex1Cer(t43:2)-H	Hex1Cer(t43:2)-H	Hex1Cer	(t43:2)	(t43:2)		838.677758	838.677297	10.771	C49 H92 O9 N1
164	LdMePE(12:0)-H	LdMePE(12:0)-H	LdMePE	(12:0)	(12:0)		424.246966	424.24668	1.334	C19 H39 O7 N1 P1
165	LdMePE(16:0)-H	LdMePE(16:0)-H	LdMePE	(16:0)	(16:0)		480.309566	480.309509	3.347	C23 H47 O7 N1 P1
166	LdMePE(18:0)-H	LdMePE(18:0)-H	LdMePE	(18:0)	(18:0)		508.340866	508.340546	4.999	C25 H51 O7 N1 P1
167	LdMePE(18:1)-H	LdMePE(18:1)-H	LdMePE	(18:1)	(18:1)		506.325216	506.32522	3.587	C25 H49 O7 N1 P1

168	LdMePE(18:2)-H	LdMePE(18:2)-H	LdMePE	(18:2)	(18:2)		504.309566	504.30957	2.585	C25 H47 O7 N1 P1
169	LdMePE(20:0)-H	LdMePE(20:0)-H	LdMePE	(20:0)	(20:0)		536.372166	536.37217	5.317	C27 H55 O7 N1 P1
170	LPA(12:0)-H	LPA(12:0)-H	LPA	(12:0)	(12:0)		353.173467	353.17347	1.325	C15 H30 O7 N0 P1
171	LPA(16:0)-H	LPA(16:0)-H	LPA	(16:0)	(16:0)		409.236067	409.235779	10.457	C19 H38 O7 N0 P1
172	LPA(17:0)-H	LPA(17:0)-H	LPA	(17:0)	(17:0)		423.251717	423.25172	10.85	C20 H40 O7 N0 P1
173	LPA(18:0)-H	LPA(18:0)-H	LPA	(18:0)	(18:0)		437.267367	437.267075	4.559	C21 H42 O7 N0 P1
174	LPA(18:1)-H	LPA(18:1)-H	LPA	(18:1)	(18:1)		435.251717	435.251536	3.21	C21 H40 O7 N0 P1
175	LPA(18:2)-H	LPA(18:2)-H	LPA	(18:2)	(18:2)		433.236067	433.235718	9.813	C21 H38 O7 N0 P1
176	LPA(20:5)-H	LPA(20:5)-H	LPA	(20:5)	(20:5)		455.220417	455.219155	2.278	C23 H36 O7 N0 P1
177	LPA(22:0)-H	LPA(22:0)-H	LPA	(22:0)	(22:0)		493.329967	493.32997	12.945	C25 H50 O7 N0 P1
178	LPA(24:0)-H	LPA(24:0)-H	LPA	(24:0)	(24:0)		521.361267	521.36127	8.903	C27 H54 O7 N0 P1
179	LPC(12:0)+HCOO	LPC(12:0)+HCOO	LPC	(12:0)	(12:0)		484.268096	484.2681	1.333	C21 H43 O9 N1 P1
180	LPE(16:0)-H	LPE(16:0)-H	LPE	(16:0)	(16:0)		452.278266	452.27827	3.5	C21 H43 O7 N1 P1
181	LPEt(16:0)-H	LPEt(16:0)-H	LPEt	(16:0)	(16:0)		437.267367	437.26737	3.439	C21 H42 O7 N0 P1
182	LPEt(18:0)-H	LPEt(18:0)-H	LPEt	(18:0)	(18:0)		465.298667	465.29867	1.961	C23 H46 O7 N0 P1
183	LPEt(18:0e)-H	LPEt(18:0e)-H	LPEt	(18:0e)	(18:0e)		451.319402	451.321686	4.292	C23 H48 O6 N0 P1
184	LPEt(18:1e)-H	LPEt(18:1e)-H	LPEt	(18:1e)	(18:1e)		449.303752	449.30375	1.986	C23 H46 O6 N0 P1
185	LPEt(22:5)-H	LPEt(22:5)-H	LPEt	(22:5)	(22:5)		511.283017	511.281693	2.685	C27 H44 O7 N0 P1
186	LPEt(28:0)-H	LPEt(28:0)-H	LPEt	(28:0)	(28:0)		605.455167	605.45517	8.175	C33 H66 O7 N0 P1
187	LPG(16:0)-H	LPG(16:0)-H	LPG	(16:0)	(16:0)		483.272847	483.27284	2.808	C22 H44 O9 N0 P1
188	LPG(18:2)-H	LPG(18:2)-H	LPG	(18:2)	(18:2)		507.272847	507.27285	2.154	C24 H44 O9 N0 P1
189	LPG(24:2)-H	LPG(24:2)-H	LPG	(24:2)	(24:2)		591.366747	591.366603	5.829	C30 H56 O9 N0 P1
190	LPI(16:0)-H	LPI(16:0)-H	LPI	(16:0)	(16:0)		571.288892	571.28889	2.513	C25 H48 O12 N0 P1
191	LPI(18:0)-H	LPI(18:0)-H	LPI	(18:0)	(18:0)		599.320192	599.32019	3.959	C27 H52 O12 N0 P1
192	LPI(18:2)-H	LPI(18:2)-H	LPI	(18:2)	(18:2)		595.288892	595.288989	1.933	C27 H48 O12 N0 P1
193	LSM(t16:1)+HCOO	LSM(t16:1)+HCOO	LSM	(t16:1)	(t16:1)		497.29973	497.300034	5.752	C22 H46 O8 N2 P1
194	MGDG(29:5)+HCOO	MGDG(29:5)+HCOO	MGDG	(29:5)	(29:5)		723.432504	723.4325	7.887	C39 H63 O12
195	MGDG(41:4)-H	MGDG(41:4)-H	MGDG	(41:4)	(41:4)		847.630474	847.63047	12.195	C50 H87 O10
196	MGDG(42:4)-H	MGDG(42:4)-H	MGDG	(42:4)	(42:4)		861.646124	861.64612	12.542	C51 H89 O10

197	MGDG(43:8)+HCOO	MGDG(43:8)+HCOO	MGDG	(43:8)	(43:8)		913.604654	913.60465	10.244	C53 H85 O12
198	MGDG(45:5)+HCOO	MGDG(45:5)+HCOO	MGDG	(45:5)	(45:5)		947.682904	947.679646	4.092	C55 H95 O12
199	MGDG(47:12)-H	MGDG(47:12)-H	MGDG	(47:12)	(47:12)		915.599174	915.59917	10.815	C56 H83 O10
200	MGDG(47:6)+HCOO	MGDG(47:6)+HCOO	MGDG	(47:6)	(47:6)		973.698554	973.69855	5.808	C57 H97 O12
201	MGDG(8:0_10:3)-H	MGDG(18:3)-H	MGDG	(8:0_10:3)	(8:0)	(10:3)	527.286174	527.28617	1.58	C27 H43 O10
202	MGMG(28:0)+HCOO	MGMG(28:0)+HCOO	MGMG	(28:0)	(28:0)		705.515839	705.512758	8.916	C38 H73 O11
203	MLCL(40:3)-H	MLCL(40:3)-H	MLCL	(40:3)	(40:3)		995.56314	995.568364	9.828	C49 H89 O16 P2
204	MLCL(40:4)-H	MLCL(40:4)-H	MLCL	(40:4)	(40:4)		993.54749	993.55127	9.17	C49 H87 O16 P2
205	MLCL(53:6)-H	MLCL(53:6)-H	MLCL	(53:6)	(53:6)		1171.71964	1171.72348	4.583	C62 H109 O16 P2
206	MLCL(54:6)-H	MLCL(54:6)-H	MLCL	(54:6)	(54:6)		1185.73529	1185.73388	12.113	C63 H111 O16 P2
207	OAHA(18:2_22:0)-H	OAHA(40:2)-H	OAHA	(18:2_22:0)	(18:2)	(22:0)	617.551434	617.550663	12.847923 3	C40 H73 O4
208	OAHA(34:2)-H	OAHA(34:2)-H	OAHA	(34:2)	(34:2)		533.457534	533.454545	5.618	C34 H61 O4
209	OAHA(38:2)-H	OAHA(38:2)-H	OAHA	(38:2)	(38:2)		589.520134	589.517617	7.261	C38 H69 O4
210	OAHA(42:2)-H	OAHA(42:2)-H	OAHA	(42:2)	(42:2)		645.582734	645.580211	8.7120200 4	C42 H77 O4
211	OAHA(42:6)-H	OAHA(42:6)-H	OAHA	(42:6)	(42:6)		637.520134	637.52013	11.495	C42 H69 O4
212	OAHA(44:6)-H	OAHA(44:6)-H	OAHA	(44:6)	(44:6)		665.551434	665.55143	12.396	C44 H73 O4
213	OAHA(46:2)-H	OAHA(46:2)-H	OAHA	(46:2)	(46:2)		701.645334	701.6427	9.952	C46 H85 O4
214	OAHA(48:6)-H	OAHA(48:6)-H	OAHA	(48:6)	(48:6)		721.614034	721.616358	6.959	C48 H81 O4
215	OAHA(52:6)-H	OAHA(52:6)-H	OAHA	(52:6)	(52:6)		777.676634	777.677572	8.353	C52 H89 O4
216	OAHA(56:6)-H	OAHA(56:6)-H	OAHA	(56:6)	(56:6)		833.739234	833.74086	9.5329544 6	C56 H97 O4
217	PA(10:0e_10:0)-H	PA(20:0e)-H	PA	(10:0e_10:0)	(10:0e)	(10:0)	465.298667	465.29867	12.003	C23 H46 O7 N0 P1
218	PA(12:0_20:4)-H	PA(32:4)-H	PA	(12:0_20:4)	(12:0)	(20:4)	639.403132	639.402617	8.253	C35 H60 O8 N0 P1
219	PA(14:0_18:2)-H	PA(32:2)-H	PA	(14:0_18:2)	(14:0)	(18:2)	643.434432	643.43443	9.548	C35 H64 O8 N0 P1
220	PA(15:0_16:0)-H	PA(31:0)-H	PA	(15:0_16:0)	(15:0)	(16:0)	633.450082	633.45008	10.635	C34 H66 O8 N0 P1
221	PA(15:0_18:2)-H	PA(33:2)-H	PA	(15:0_18:2)	(15:0)	(18:2)	657.450082	657.449887	10.024	C36 H66 O8 N0 P1
222	PA(15:0_18:3)-H	PA(33:3)-H	PA	(15:0_18:3)	(15:0)	(18:3)	655.434432	655.43443	9.368	C36 H64 O8 N0 P1
223	PA(16:0_14:0)-H	PA(30:0)-H	PA	(16:0_14:0)	(16:0)	(14:0)	619.434432	619.43443	10.225	C33 H64 O8 N0 P1

224	PA(16:0_16:0)-H	PA(32:0)-H	PA	(16:0_16:0)	(16:0)	(16:0)	647.465732	647.464822	11.052	C35 H68 O8 N0 P1
225	PA(16:0_16:1)-H	PA(32:1)-H	PA	(16:0_16:1)	(16:0)	(16:1)	645.450082	645.45008	10.339	C35 H66 O8 N0 P1
226	PA(16:0_17:0)-H	PA(33:0)-H	PA	(16:0_17:0)	(16:0)	(17:0)	661.481382	661.48138	11.425	C36 H70 O8 N0 P1
227	PA(16:0_18:1)-H	PA(34:1)-H	PA	(16:0_18:1)	(16:0)	(18:1)	673.481382	673.480836	11.089	C37 H70 O8 N0 P1
228	PA(16:0_18:2)-H	PA(34:2)-H	PA	(16:0_18:2)	(16:0)	(18:2)	671.465732	671.465355	10.463	C37 H68 O8 N0 P1
229	PA(16:0_18:3)-H	PA(34:3)-H	PA	(16:0_18:3)	(16:0)	(18:3)	669.450082	669.449678	9.844	C37 H66 O8 N0 P1
230	PA(16:0_20:5)-H	PA(36:5)-H	PA	(16:0_20:5)	(16:0)	(20:5)	693.450082	693.45008	10.426	C39 H66 O8 N0 P1
231	PA(17:0_18:1)-H	PA(35:1)-H	PA	(17:0_18:1)	(17:0)	(18:1)	687.497032	687.49703	11.456	C38 H72 O8 N0 P1
232	PA(17:0_18:2)-H	PA(35:2)-H	PA	(17:0_18:2)	(17:0)	(18:2)	685.481382	685.481168	10.864	C38 H70 O8 N0 P1
233	PA(17:0_18:3)-H	PA(35:3)-H	PA	(17:0_18:3)	(17:0)	(18:3)	683.465732	683.46573	10.308	C38 H68 O8 N0 P1
234	PA(17:1_16:0)-H	PA(33:1)-H	PA	(17:1_16:0)	(17:1)	(16:0)	659.465732	659.46573	10.699	C36 H68 O8 N0 P1
235	PA(18:0_16:0)-H	PA(34:0)-H	PA	(18:0_16:0)	(18:0)	(16:0)	675.497032	675.49703	11.811	C37 H72 O8 N0 P1
236	PA(18:0_18:1)-H	PA(36:1)-H	PA	(18:0_18:1)	(18:0)	(18:1)	701.512682	701.51268	11.848	C39 H74 O8 N0 P1
237	PA(18:0_18:2)-H	PA(36:2)-H	PA	(18:0_18:2)	(18:0)	(18:2)	699.497032	699.496763	11.251	C39 H72 O8 N0 P1
238	PA(18:0_18:3)-H	PA(36:3)-H	PA	(18:0_18:3)	(18:0)	(18:3)	697.481382	697.48138	10.503	C39 H70 O8 N0 P1
239	PA(18:1_22:0)-H	PA(40:1)-H	PA	(18:1_22:0)	(18:1)	(22:0)	757.575282	757.57528	9.431	C43 H82 O8 N0 P1
240	PA(18:2_18:2)-H	PA(36:4)-H	PA	(18:2_18:2)	(18:2)	(18:2)	695.465732	695.465567	9.816	C39 H68 O8 N0 P1
241	PA(18:2_21:0)-H	PA(39:2)-H	PA	(18:2_21:0)	(18:2)	(21:0)	741.543982	741.543897	12.469	C42 H78 O8 N0 P1
242	PA(18:2_23:0)-H	PA(41:2)-H	PA	(18:2_23:0)	(18:2)	(23:0)	769.575282	769.57528	7.359	C44 H82 O8 N0 P1
243	PA(18:3_18:2)-H	PA(36:5)-H	PA	(18:3_18:2)	(18:3)	(18:2)	693.450082	693.449986	9.156	C39 H66 O8 N0 P1
244	PA(18:3_18:3)-H	PA(36:6)-H	PA	(18:3_18:3)	(18:3)	(18:3)	691.434432	691.43411	8.44	C39 H64 O8 N0 P1
245	PA(18:4e)-H	PA(18:4e)-H	PA	(18:4e)	(18:4e)		429.204767	429.20477	6.322	C21 H34 O7 N0 P1
246	PA(19:0_18:2)-H	PA(37:2)-H	PA	(19:0_18:2)	(19:0)	(18:2)	713.512682	713.51268	11.631	C40 H74 O8 N0 P1
247	PA(20:0_16:0)-H	PA(36:0)-H	PA	(20:0_16:0)	(20:0)	(16:0)	703.528332	703.52833	12.751	C39 H76 O8 N0 P1
248	PA(20:0_18:1)-H	PA(38:1)-H	PA	(20:0_18:1)	(20:0)	(18:1)	729.543982	729.54398	12.757	C41 H78 O8 N0 P1
249	PA(20:0_18:2)-H	PA(38:2)-H	PA	(20:0_18:2)	(20:0)	(18:2)	727.528332	727.52833	12.003	C41 H76 O8 N0 P1
250	PA(20:0_18:3)-H	PA(38:3)-H	PA	(20:0_18:3)	(20:0)	(18:3)	725.512682	725.51268	11.259	C41 H74 O8 N0 P1
251	PA(22:0_18:2)-H	PA(40:2)-H	PA	(22:0_18:2)	(22:0)	(18:2)	755.559632	755.55963	12.945	C43 H80 O8 N0 P1
252	PA(22:0_18:3)-H	PA(40:3)-H	PA	(22:0_18:3)	(22:0)	(18:3)	753.543982	753.54398	12.253	C43 H78 O8 N0 P1

253	PA(24:0_18:2)-H	PA(42:2)-H	PA	(24:0_18:2)	(24:0)	(18:2)	783.590932	783.59093	10.12	C45 H84 O8 N0 P1
254	PA(24:0_18:3)-H	PA(42:3)-H	PA	(24:0_18:3)	(24:0)	(18:3)	781.575282	781.575146	13.265	C45 H82 O8 N0 P1
255	PA(24:0_22:6)-H	PA(46:6)-H	PA	(24:0_22:6)	(24:0)	(22:6)	831.590932	831.594135	8.406	C49 H84 O8 N0 P1
256	PA(25:0_18:2)-H	PA(43:2)-H	PA	(25:0_18:2)	(25:0)	(18:2)	797.606582	797.60658	11.024	C46 H86 O8 N0 P1
257	PA(4:0_14:1)-H	PA(18:1)-H	PA	(4:0_14:1)	(4:0)	(14:1)	449.230982	449.23098	1.037	C21 H38 O8 N0 P1
258	PA(4:0_14:2)-H	PA(18:2)-H	PA	(4:0_14:2)	(4:0)	(14:2)	447.215332	447.21533	6.194	C21 H36 O8 N0 P1
259	PA(8:0_10:1)-H	PA(18:1)-H	PA	(8:0_10:1)	(8:0)	(10:1)	449.230982	449.230923	7.652	C21 H38 O8 N0 P1
260	PA(8:0e_10:0)-H	PA(18:0e)-H	PA	(8:0e_10:0)	(8:0e)	(10:0)	437.267367	437.26737	4.559	C21 H42 O7 N0 P1
261	PA(8:0e_10:3)-H	PA(18:3e)-H	PA	(8:0e_10:3)	(8:0e)	(10:3)	431.220417	431.22042	1.701	C21 H36 O7 N0 P1
262	PA(8:0e_10:4)-H	PA(18:4e)-H	PA	(8:0e_10:4)	(8:0e)	(10:4)	429.204767	429.20477	7.047	C21 H34 O7 N0 P1
263	PA(8:0e_8:0)-H	PA(16:0e)-H	PA	(8:0e_8:0)	(8:0e)	(8:0)	409.236067	409.23607	11.827	C19 H38 O7 N0 P1
264	PA(8:1e_10:0)-H	PA(18:1e)-H	PA	(8:1e_10:0)	(8:1e)	(10:0)	435.251717	435.25172	11.082	C21 H40 O7 N0 P1
265	PA(8:1e_10:1)-H	PA(18:2e)-H	PA	(8:1e_10:1)	(8:1e)	(10:1)	433.236067	433.23607	7.256	C21 H38 O7 N0 P1
266	PA(8:1e_10:3)-H	PA(18:4e)-H	PA	(8:1e_10:3)	(8:1e)	(10:3)	429.204767	429.20477	7.723	C21 H34 O7 N0 P1
267	PC(16:0_18:2)+HCOO	PC(34:2)+HCOO	PC	(16:0_18:2)	(16:0)	(18:2)	802.560361	802.56036	10.821	C43 H81 O10 N1 P1
268	PC(18:0_18:2)+HCOO	PC(36:2)+HCOO	PC	(18:0_18:2)	(18:0)	(18:2)	830.591661	830.59166	11.598	C45 H85 O10 N1 P1
269	PC(18:2_18:2)+HCOO	PC(36:4)+HCOO	PC	(18:2_18:2)	(18:2)	(18:2)	826.560361	826.56036	10.174	C45 H81 O10 N1 P1
270	PE(16:0_16:0)-H	PE(32:0)-H	PE	(16:0_16:0)	(16:0)	(16:0)	690.507931	690.50793	10.013	C37 H73 O8 N1 P1
271	PE(16:0_18:2)-H	PE(34:2)-H	PE	(16:0_18:2)	(16:0)	(18:2)	714.507931	714.50807	9.436	C39 H73 O8 N1 P1
272	PE(17:0_18:2)-H	PE(35:2)-H	PE	(17:0_18:2)	(17:0)	(18:2)	728.523581	728.52358	9.744	C40 H75 O8 N1 P1
273	PE(18:0_18:2)-H	PE(36:2)-H	PE	(18:0_18:2)	(18:0)	(18:2)	742.539231	742.53923	11.818	C41 H77 O8 N1 P1
274	PE(18:1_18:2)-H	PE(36:3)-H	PE	(18:1_18:2)	(18:1)	(18:2)	740.523581	740.52358	9.507	C41 H75 O8 N1 P1
275	PE(18:3_18:2)-H	PE(36:5)-H	PE	(18:3_18:2)	(18:3)	(18:2)	736.492281	736.49228	8.089	C41 H71 O8 N1 P1
276	PE(28:0_16:0)-H	PE(44:0)-H	PE	(28:0_16:0)	(28:0)	(16:0)	858.695731	858.69573	11.219	C49 H97 O8 N1 P1
277	PE(32:0_10:0)-H	PE(42:0)-H	PE	(32:0_10:0)	(32:0)	(10:0)	830.664431	830.668578	6.713	C47 H93 O8 N1 P1
278	PE(32:0_11:1)-H	PE(43:1)-H	PE	(32:0_11:1)	(32:0)	(11:1)	842.664431	842.66443	6.699	C48 H93 O8 N1 P1
279	PE(32:0_14:1)-H	PE(46:1)-H	PE	(32:0_14:1)	(32:0)	(14:1)	884.711381	884.71138	11.96	C51 H99 O8 N1 P1
280	PE(43:0)-H	PE(43:0)-H	PE	(43:0)	(43:0)		844.680081	844.679538	7.305	C48 H95 O8 N1 P1
281	PEt(18:0e_10:1)-H	PEt(28:1e)-H	PEt	(18:0e_10:1)	(18:0e)	(10:1)	603.439517	603.43952	7.22	C33 H64 O7 N0 P1

282	PEt(35:1)-H	PEt(35:1)-H	PEt	(35:1)	(35:1)		715.528332	715.53066	4.315	C40 H76 O8 N0 P1
283	PEt(40:5)-H	PEt(40:5)-H	PEt	(40:5)	(40:5)		777.543982	777.543506	3.431	C45 H78 O8 N0 P1
284	PEt(44:4)-H	PEt(44:4)-H	PEt	(44:4)	(44:4)		835.622232	835.62223	12.854	C49 H88 O8 N0 P1
285	PEt(46:6)-H	PEt(46:6)-H	PEt	(46:6)	(46:6)		859.622232	859.626408	9.165	C51 H88 O8 N0 P1
286	PG(15:0_16:0)-H	PG(31:0)-H	PG	(15:0_16:0)	(15:0)	(16:0)	707.486862	707.48686	10.368	C37 H72 O10 N0 P1
287	PG(16:0_16:0)-H	PG(32:0)-H	PG	(16:0_16:0)	(16:0)	(16:0)	721.502512	721.502292	10.765	C38 H74 O10 N0 P1
288	PG(16:0_17:0)-H	PG(33:0)-H	PG	(16:0_17:0)	(16:0)	(17:0)	735.518162	735.51816	11.129	C39 H76 O10 N0 P1
289	PG(16:0_18:1)-H	PG(34:1)-H	PG	(16:0_18:1)	(16:0)	(18:1)	747.518162	747.518177	10.794	C40 H76 O10 N0 P1
290	PG(16:0_18:2)-H	PG(34:2)-H	PG	(16:0_18:2)	(16:0)	(18:2)	745.502512	745.50251	10.179	C40 H74 O10 N0 P1
291	PG(16:0_18:3)-H	PG(34:3)-H	PG	(16:0_18:3)	(16:0)	(18:3)	743.486862	743.48686	9.57	C40 H72 O10 N0 P1
292	PG(18:0_16:0)-H	PG(34:0)-H	PG	(18:0_16:0)	(18:0)	(16:0)	749.533812	749.53387	11.496	C40 H78 O10 N0 P1
293	PG(18:0e_19:1)-H	PG(37:1e)-H	PG	(18:0e_19:1)	(18:0e)	(19:1)	775.585847	775.585416	5.571	C43 H84 O9 N0 P1
294	PG(18:2_18:2)-H	PG(36:4)-H	PG	(18:2_18:2)	(18:2)	(18:2)	769.502512	769.50251	9.543	C42 H74 O10 N0 P1
295	PG(18:3_18:2)-H	PG(36:5)-H	PG	(18:3_18:2)	(18:3)	(18:2)	767.486862	767.486201	8.875	C42 H72 O10 N0 P1
296	PG(19:1_14:3)-H	PG(33:4)-H	PG	(19:1_14:3)	(19:1)	(14:3)	727.455562	727.455667	3.638	C39 H68 O10 N0 P1
297	PG(20:0_11:2)-H	PG(31:2)-H	PG	(20:0_11:2)	(20:0)	(11:2)	703.455562	703.45556	6.613	C37 H68 O10 N0 P1
298	PG(20:0_15:0)-H	PG(35:0)-H	PG	(20:0_15:0)	(20:0)	(15:0)	763.549462	763.549	2.275	C41 H80 O10 N0 P1
299	PG(20:1_11:2)-H	PG(31:3)-H	PG	(20:1_11:2)	(20:1)	(11:2)	701.439912	701.43991	4.582	C37 H66 O10 N0 P1
300	PG(24:0)-H	PG(24:0)-H	PG	(24:0)	(24:0)		609.377312	609.37731	5.517	C30 H58 O10 N0 P1
301	PG(26:3)-H	PG(26:3)-H	PG	(26:3)	(26:3)		631.361662	631.36166	1.531	C32 H56 O10 N0 P1
302	PG(27:0e)-H	PG(27:0e)-H	PG	(27:0e)	(27:0e)		637.444997	637.447244	6.743	C33 H66 O9 N0 P1
303	PG(31:3)-H	PG(31:3)-H	PG	(31:3)	(31:3)		701.439912	701.43991	5.474	C37 H66 O10 N0 P1
304	PG(32:1)-H	PG(32:1)-H	PG	(32:1)	(32:1)		719.486862	719.48686	11.038	C38 H72 O10 N0 P1
305	PG(32:3)-H	PG(32:3)-H	PG	(32:3)	(32:3)		715.455562	715.45556	11.059	C38 H68 O10 N0 P1
306	PG(33:2)-H	PG(33:2)-H	PG	(33:2)	(33:2)		731.486862	731.48686	7.409	C39 H72 O10 N0 P1
307	PG(33:3)-H	PG(33:3)-H	PG	(33:3)	(33:3)		729.471212	729.47121	4.695	C39 H70 O10 N0 P1
308	PG(33:4)-H	PG(33:4)-H	PG	(33:4)	(33:4)		727.455562	727.45556	5.885	C39 H68 O10 N0 P1
309	PG(33:5)-H	PG(33:5)-H	PG	(33:5)	(33:5)		725.439912	725.43991	4.327	C39 H66 O10 N0 P1
310	PG(34:0)-H	PG(34:0)-H	PG	(34:0)	(34:0)		749.533812	749.53381	6.508	C40 H78 O10 N0 P1

311	PG(34:3)-H	PG(34:3)-H	PG	(34:3)	(34:3)		743.486862	743.48686	10.505	C40 H72 O10 N0 P1
312	PG(34:4)-H	PG(34:4)-H	PG	(34:4)	(34:4)		741.471212	741.47121	11.096	C40 H70 O10 N0 P1
313	PG(36:4)-H	PG(36:4)-H	PG	(36:4)	(36:4)		769.502512	769.50251	11.842	C42 H74 O10 N0 P1
314	PG(36:5)-H	PG(36:5)-H	PG	(36:5)	(36:5)		767.486862	767.48686	11.258	C42 H72 O10 N0 P1
315	PG(41:3)-H	PG(41:3)-H	PG	(41:3)	(41:3)		841.596412	841.595628	10.677	C47 H86 O10 N0 P1
316	PG(46:2)-H	PG(46:2)-H	PG	(46:2)	(46:2)		913.690312	913.69031	4.47	C52 H98 O10 N0 P1
317	PG(54:4)-H	PG(54:4)-H	PG	(54:4)	(54:4)		1021.78421	1021.78421	11.623	C60 H110 O10 N0 P1
318	PG(8:0_10:3)-H	PG(18:3)-H	PG	(8:0_10:3)	(8:0)	(10:3)	519.236462	519.239685	13.335723 9	C24 H40 O10 N0 P1
319	PI(11:0_10:3)-H	PI(21:3)-H	PI	(11:0_10:3)	(11:0)	(10:3)	649.299457	649.29946	1.808	C30 H50 O13 N0 P1
320	PI(12:0e_17:0)-H	PI(29:0e)-H	PI	(12:0e_17:0)	(12:0e)	(17:0)	753.492342	753.49234	1.778	C38 H74 O12 N0 P1
321	PI(14:0e_22:2)-H	PI(36:2e)-H	PI	(14:0e_22:2)	(14:0e)	(22:2)	847.570592	847.57059	1.783	C45 H84 O12 N0 P1
322	PI(15:0_18:2)-H	PI(33:2)-H	PI	(15:0_18:2)	(15:0)	(18:2)	819.502907	819.50304	9.577	C42 H76 O13 N0 P1
323	PI(16:0_16:0)-H	PI(32:0)-H	PI	(16:0_16:0)	(16:0)	(16:0)	809.518557	809.518566	10.608	C41 H78 O13 N0 P1
324	PI(16:0_18:1)-H	PI(34:1)-H	PI	(16:0_18:1)	(16:0)	(18:1)	835.534207	835.53421	10.664	C43 H80 O13 N0 P1
325	PI(16:0_18:2)-H	PI(34:2)-H	PI	(16:0_18:2)	(16:0)	(18:2)	833.518557	833.517891	10.01	C43 H78 O13 N0 P1
326	PI(16:0_18:3)-H	PI(34:3)-H	PI	(16:0_18:3)	(16:0)	(18:3)	831.502907	831.503127	9.385	C43 H76 O13 N0 P1
327	PI(16:0_22:1)-H	PI(38:1)-H	PI	(16:0_22:1)	(16:0)	(22:1)	891.596807	891.600717	11.4	C47 H88 O13 N0 P1
328	PI(17:0_18:2)-H	PI(35:2)-H	PI	(17:0_18:2)	(17:0)	(18:2)	847.534207	847.535252	10.427	C44 H80 O13 N0 P1
329	PI(17:0_18:3)-H	PI(35:3)-H	PI	(17:0_18:3)	(17:0)	(18:3)	845.518557	845.51856	9.848	C44 H78 O13 N0 P1
330	PI(18:0_16:0)-H	PI(34:0)-H	PI	(18:0_16:0)	(18:0)	(16:0)	837.549857	837.54986	11.376	C43 H82 O13 N0 P1
331	PI(18:0_18:1)-H	PI(36:1)-H	PI	(18:0_18:1)	(18:0)	(18:1)	863.565507	863.56551	11.419	C45 H84 O13 N0 P1
332	PI(18:0_18:2)-H	PI(36:2)-H	PI	(18:0_18:2)	(18:0)	(18:2)	861.549857	861.549371	10.837	C45 H82 O13 N0 P1
333	PI(18:0_18:3)-H	PI(36:3)-H	PI	(18:0_18:3)	(18:0)	(18:3)	859.534207	859.53386	10.055	C45 H80 O13 N0 P1
334	PI(18:0_20:4)-H	PI(38:4)-H	PI	(18:0_20:4)	(18:0)	(20:4)	885.549857	885.550088	10.701	C47 H82 O13 N0 P1
335	PI(18:1_10:3)-H	PI(28:4)-H	PI	(18:1_10:3)	(18:1)	(10:3)	745.393357	745.39336	6.645	C37 H62 O13 N0 P1
336	PI(18:1e_18:2)-H	PI(36:3e)-H	PI	(18:1e_18:2)	(18:1e)	(18:2)	845.554942	845.55494	10.857	C45 H82 O12 N0 P1
337	PI(18:2_18:2)-H	PI(36:4)-H	PI	(18:2_18:2)	(18:2)	(18:2)	857.518557	857.51856	9.364	C45 H78 O13 N0 P1
338	PI(18:3_10:3)-H	PI(28:6)-H	PI	(18:3_10:3)	(18:3)	(10:3)	741.362057	741.363259	6.29	C37 H58 O13 N0 P1

339	PI(18:3_18:2)-H	PI(36:5)-H	PI	(18:3_18:2)	(18:3)	(18:2)	855.502907	855.50291	8.691	C45 H76 O13 N0 P1
340	PI(18:3_18:3)-H	PI(36:6)-H	PI	(18:3_18:3)	(18:3)	(18:3)	853.487257	853.48726	7.932	C45 H74 O13 N0 P1
341	PI(20:3e_10:0)-H	PI(30:3e)-H	PI	(20:3e_10:0)	(20:3e)	(10:0)	761.461042	761.46104	1.538	C39 H70 O12 N0 P1
342	PI(20:3e_18:2)-H	PI(38:5e)-H	PI	(20:3e_18:2)	(20:3e)	(18:2)	869.554942	869.55494	0.319	C47 H82 O12 N0 P1
343	PI(20:4e_12:1)-H	PI(32:5e)-H	PI	(20:4e_12:1)	(20:4e)	(12:1)	785.461042	785.46104	4.684	C41 H70 O12 N0 P1
344	PI(21:4e)-H	PI(21:4e)-H	PI	(21:4e)	(21:4e)		633.304542	633.30454	3.169	C30 H50 O12 N0 P1
345	PI(22:0_14:1)-H	PI(36:1)-H	PI	(22:0_14:1)	(22:0)	(14:1)	863.565507	863.56551	8.891	C45 H84 O13 N0 P1
346	PI(22:0_18:3)-H	PI(40:3)-H	PI	(22:0_18:3)	(22:0)	(18:3)	915.596807	915.598604	7.781	C49 H88 O13 N0 P1
347	PI(22:1_18:2)-H	PI(40:3)-H	PI	(22:1_18:2)	(22:1)	(18:2)	915.596807	915.605265	10.815	C49 H88 O13 N0 P1
348	PI(24:0_14:4)-H	PI(38:4)-H	PI	(24:0_14:4)	(24:0)	(14:4)	885.549857	885.553158	12.791	C47 H82 O13 N0 P1
349	PI(24:1_18:2)-H	PI(42:3)-H	PI	(24:1_18:2)	(24:1)	(18:2)	943.628107	943.62811	11.588	C51 H92 O13 N0 P1
350	PI(24:1_18:3)-H	PI(42:4)-H	PI	(24:1_18:3)	(24:1)	(18:3)	941.612457	941.61246	11.045	C51 H90 O13 N0 P1
351	PI(28:0_18:3)-H	PI(46:3)-H	PI	(28:0_18:3)	(28:0)	(18:3)	999.690707	999.69071	8.484	C55 H100 O13 N0 P1
352	PI(33:0_9:0)-H	PI(42:0)-H	PI	(33:0_9:0)	(33:0)	(9:0)	949.675057	949.667967	4.108	C51 H98 O13 N0 P1
353	PI(36:1_10:3)-H	PI(46:4)-H	PI	(36:1_10:3)	(36:1)	(10:3)	997.675057	997.67506	8.371	C55 H98 O13 N0 P1
354	PI(38:0_10:3)-H	PI(48:3)-H	PI	(38:0_10:3)	(38:0)	(10:3)	1027.72201	1027.72201	9.285	C57 H104 O13 N0 P1
355	PI(38:4)-H	PI(38:4)-H	PI	(38:4)	(38:4)		885.549857	885.54986	11.309	C47 H82 O13 N0 P1
356	PI(38:5)-H	PI(38:5)-H	PI	(38:5)	(38:5)		883.534207	883.53421	11.353	C47 H80 O13 N0 P1
357	PI(38:5e)-H	PI(38:5e)-H	PI	(38:5e)	(38:5e)		869.554942	869.55494	13.316	C47 H82 O12 N0 P1
358	PI(40:2)-H	PI(40:2)-H	PI	(40:2)	(40:2)		917.612457	917.61246	11.439	C49 H90 O13 N0 P1
359	PI(42:2)-H	PI(42:2)-H	PI	(42:2)	(42:2)		945.643757	945.64376	4.16	C51 H94 O13 N0 P1
360	PI(42:4)-H	PI(42:4)-H	PI	(42:4)	(42:4)		941.612457	941.607132	4.179	C51 H90 O13 N0 P1
361	PI(48:5)-H	PI(48:5)-H	PI	(48:5)	(48:5)		1023.69071	1023.69104	7.883	C57 H100 O13 N0 P1
362	PI(51:1)-H	PI(51:1)-H	PI	(51:1)	(51:1)		1073.80026	1073.79589	13.066	C60 H114 O13 N0 P1
363	PI(51:6)-H	PI(51:6)-H	PI	(51:6)	(51:6)		1063.72201	1063.72622	5.227	C60 H104 O13 N0 P1
364	PIP(10:0e_16:0)-H	PIP(26:0e)-H	PIP	(10:0e_16:0)	(10:0e)	(16:0)	791.411725	791.41172	10.442	C35 H69 O15 N0 P2
365	PIP(34:1_10:3)-H	PIP(44:4)-H	PIP	(34:1_10:3)	(34:1)	(10:3)	1049.61009	1049.61009	4.737	C53 H95 O16 N0 P2
366	PIP(44:2)-H	PIP(44:2)-H	PIP	(44:2)	(44:2)		1053.64139	1053.64273	4.072	C53 H99 O16 N0 P2
367	PIP(6:0_10:3)-H	PIP(16:3)-H	PIP	(6:0_10:3)	(6:0)	(10:3)	659.18754	659.187978	4.76	C25 H41 O16 N0 P2

368	PIP2(4:0_15:0)-H	PIP2(19:0)-H	PIP2	(4:0_15:0)	(4:0)	(15:0)	787.247773	787.24777	4.786	C28 H54 O19 N0 P3
369	PMe(16:1_6:0)-H	PMe(22:1)-H	PMe	(16:1_6:0)	(16:1)	(6:0)	519.309232	519.30923	4.258	C26 H48 O8 N0 P1
370	PMe(18:1e_16:0)-H	PMe(34:1e)-H	PMe	(18:1e_16:0)	(18:1e)	(16:0)	673.517767	673.51777	11.251	C38 H74 O7 N0 P1
371	PMe(18:3_11:4)-H	PMe(29:7)-H	PMe	(18:3_11:4)	(18:3)	(11:4)	605.324882	605.324486	6.545	C33 H50 O8 N0 P1
372	PMe(18:3)-H	PMe(18:3)-H	PMe	(18:3)	(18:3)		459.215332	459.21533	10.474	C22 H36 O8 N0 P1
373	PMe(20:2e_11:3)-H	PMe(31:5e)-H	PMe	(20:2e_11:3)	(20:2e)	(11:3)	623.408217	623.40822	4.966	C35 H60 O7 N0 P1
374	PMe(20:3_11:4)-H	PMe(31:7)-H	PMe	(20:3_11:4)	(20:3)	(11:4)	633.356182	633.351403	7.52	C35 H54 O8 N0 P1
375	PMe(29:0e)-H	PMe(29:0e)-H	PMe	(29:0e)	(29:0e)		605.455167	605.457358	5.033	C33 H66 O7 N0 P1
376	PMe(30:1)-H	PMe(30:1)-H	PMe	(30:1)	(30:1)		631.434432	631.434515	10.057	C34 H64 O8 N0 P1
377	PMe(32:3)-H	PMe(32:3)-H	PMe	(32:3)	(32:3)		655.434432	655.43443	9.493	C36 H64 O8 N0 P1
378	PMe(33:5)-H	PMe(33:5)-H	PMe	(33:5)	(33:5)		665.418782	665.41878	7.944	C37 H62 O8 N0 P1
379	PMe(41:4)-H	PMe(41:4)-H	PMe	(41:4)	(41:4)		779.559632	779.559505	3.601	C45 H80 O8 N0 P1
380	PS(30:1_10:3)-H	PS(40:4)-H	PS	(30:1_10:3)	(30:1)	(10:3)	838.560361	838.56036	13.466	C46 H81 O10 N1 P1
381	PS(35:2)-H	PS(35:2)-H	PS	(35:2)	(35:2)		772.513411	772.513373	10.088	C41 H75 O10 N1 P1
382	PS(35:2e)-H	PS(35:2e)-H	PS	(35:2e)	(35:2e)		758.534146	758.53415	8.281	C41 H77 O9 N1 P1
383	SPHP(d15:0)-H	SPHP(d15:0)-H	SPHP	(d15:0)	(d15:0)		338.210186	338.21019	2.77	C15 H33 O5 N1 P1