

SUPPLEMENTARY TABLE 1 The detail information of the differential lipids between IGT and NGT

No.	Lipid ion	Class	Ion formula	CalMz	RT-(min)	Fold change	FDR	VIP
NEG.378	PC(34:4)-CH3	PC	C41 H73 O8 N1 P1	738.5079305	7.88	1.78	6.71E-04	2.34
POS.516	PC(17:0)+H	PC	C25 H51 O8 N1 P1	524.3346835	2.90	2.16	6.77E-05	2.24
POS.96	Cer(m20:0/16:0)+H	Cer	C36 H74 O2 N1	552.5714055	16.06	0.56	2.12E-08	2.20
POS.33	Cer(m18:0/16:0)+H	Cer	C34 H70 O2 N1	524.5401055	14.69	0.57	1.39E-07	2.08
POS.630	PS(14:0/14:0)+H	PS	C34 H67 O10 N1 P1	680.4497135	4.30	2.25	6.78E-04	1.85
POS.367	PA(18:2/10:4)+NH4	PA	C31 H53 O8 N1 P1	598.3503335	2.44	1.89	1.18E-03	1.82
NEG.481	PI(16:0/16:0)-H	PI	C41 H78 O13 N0 P1	809.5185565	9.46	2.30	6.78E-04	1.80
POS.113	Cer(d32:0)+H-H2O	Cer	C32 H64 O2 N1	494.4931555	12.83	0.44	1.38E-03	1.79
X1376pos	DG(42:7e)+Na	DG	C45 H76 O4 Na1	703.5635815	14.95	4.97	1.36E-03	1.75
POS.841	TG(52:1)+NH4	TG	C55 H108 O6 N1	878.8171155	18.89	1.84	6.20E-03	1.74
NEG.107	CL(73:3)-2H	CL	C82 H152 O17 P2	735.5257890	7.98	1.96	6.63E-04	1.74
NEG.496	PS(11:0/16:0)-H	PS	C33 H63 O10 N1 P1	664.4195105	8.32	3.14	1.36E-03	1.73
NEG.314	PC(16:0/11:2)+HCOO	PC	C36 H67 O10 N1 P1	704.4508105	8.15	3.14	1.36E-03	1.72
NEG.497	PS(16:1e/14:1)-H	PS	C36 H67 O9 N1 P1	688.4558955	8.15	3.25	1.39E-03	1.71
NEG.313	PC(14:0/10:1)+HCOO	PC	C33 H63 O10 N1 P1	664.4195105	3.30	2.11	3.08E-03	1.71
POS.591	PG(18:4/11:1)+NH4	PG	C35 H63 O10 N1 P1	688.4184135	3.34	2.09	3.54E-03	1.68
POS.360	MG(19:1)+H	MG	C22 H43 O4	371.3155865	6.16	2.19	3.55E-05	1.67
POS.517	PC(9:0/10:1)+H	PC	C27 H53 O8 N1 P1	550.3503335	3.02	1.77	5.51E-03	1.67
POS.872	TG(20:0/16:0/18:2)+NH4	TG	C57 H110 O6 N1	904.8327655	19.02	1.62	2.66E-03	1.65
POS.915	TG(18:0/16:0/22:6)+NH4	TG	C59 H106 O6 N1	924.8014655	20.64	1.58	4.86E-03	1.65
POS.1226	TG(16:0/17:0/18:1)+NH4	TG	C54 H106 O6 N1	864.8014655	18.88	1.90	7.41E-03	1.65
NEG.249	PC(10:0/11:4)+HCOO	PC	C30 H51 O10 N1 P1	616.3256105	2.38	1.81	7.09E-03	1.64
POS.24	Cer(d34:0)+H-H2O	Cer	C34 H68 O2 N1	522.5244555	14.07	2.13	3.11E-03	1.63
POS.825	TG(26:1/10:4/11:2)+Na	TG	C50 H82 O6 Na1	801.6003615	8.47	2.36	4.77E-03	1.62
POS.140	ChE()+H-H2O	ChE	C27 H45 O0	369.3515765	17.38	1.87	5.85E-03	1.61
POS.680	SM(d42:7)+H	SM	C47 H84 O6 N2 P1	803.6061525	8.60	1.97	2.38E-03	1.61
POS.89	Cer(m32:0)+H-H2O	Cer	C32 H64 O1 N1	478.4982405	15.37	4.53	2.33E-03	1.61
POS.819	TG(20:4e/12:2/12:2)+Na	TG	C47 H76 O5 Na1	743.5584965	17.03	3.50	2.31E-03	1.61
POS.318	LPC(36:0)+Na	LPC	C44 H90 O7 N1 P1 Na1	798.6347135	13.28	1.98	5.51E-03	1.60
X1152pos	DG(36:0e)+Na	DG	C39 H78 O4 Na1	633.5792315	22.58	1.52	0.010	1.59
POS.870	TG(18:0/18:0/18:1)+NH4	TG	C57 H112 O6 N1	906.8484155	20.18	1.59	1.36E-03	1.59
NEG.353	PC(8:0/11:2)+HCOO	PC	C28 H51 O10 N1 P1	592.3256105	2.46	1.71	7.41E-03	1.57
NEG.498	PS(11:0/18:0)-H	PS	C35 H67 O10 N1 P1	692.4508105	4.61	2.00	6.51E-03	1.57
POS.897	TG(18:0/18:0/20:0)+NH4	TG	C59 H118 O6 N1	936.8953655	22.01	1.63	7.41E-03	1.54
POS.710	TG(16:0/14:0/16:1)+NH4	TG	C49 H96 O6 N1	794.7232155	18.90	1.70	0.011	1.52
POS.719	TG(16:0/14:0/18:2)+NH4	TG	C51 H98 O6 N1	820.7388655	19.08	1.50	0.010	1.52
POS.1266	TG(55:1)+NH4	TG	C58 H114 O6 N1	920.8640655	20.78	1.55	0.010	1.52
POS.218	DG(30:3e)+H	DG	C33 H61 O4	521.4564365	18.91	1.55	0.010	1.51

POS.718	TG(16:0/14:0/18:1)+NH4	TG	C51 H100 O6 N1	822.7545155	20.17	1.58	7.50E-03	1.51
NEG.473	PI(16:0/16:1)-H	PI	C41 H76 O13 N0 P1	807.5029065	8.52	1.70	8.47E-03	1.51
POS.252	DG(31:2e)+H	DG	C34 H65 O4	537.4877365	20.73	1.54	0.011	1.48
NEG.499	PS(30:1)-H	PS	C36 H67 O10 N1 P1	704.4508105	4.11	2.11	3.14E-03	1.47
POS.1399	WE(28:6/17:3)+H	WE	H73 C45 O2	645.5605065	14.58	2.19	0.011	1.43
POS.605	PG(30:3)+NH4	PG	C36 H69 O10 N1 P1	706.4653635	4.09	2.01	8.60E-03	1.42
POS.1305	TG(22:5/18:2/18:2)+NH4	TG	C61 H104 O6 N1	946.7858155	16.43	2.39	5.30E-03	1.39
POS.225	DG(33:2e)+H	DG	C36 H69 O4	565.5190365	21.63	1.56	9.33E-03	1.35
POS.860	TG(18:0/17:0/18:2)+NH4	TG	C56 H108 O6 N1	890.8171155	19.08	1.50	0.011	1.35
POS.417	PC(39:5)+H	PC	C47 H85 O8 N1 P1	822.6007335	9.26	2.41	0.011	1.28
POS.224	DG(32:2e)+H	DG	C35 H67 O4	551.5033865	22.01	1.66	0.011	1.26
POS.1378	WE(19:0)+NH4	WE	H42 C19 O2 N1	316.3210055	2.41	1.50	2.50E-03	1.26
POS.917	TG(20:3/18:2/18:2)+NH4	TG	C59 H104 O6 N1	922.7858155	17.44	1.55	0.012	1.23
POS.250	DG(23:5e)+NH4	DG	C26 H46 O4 N1	436.3421355	6.02	0.62	0.011	1.14

SUPPLEMENTARY TABLE 2 The detail information of the differential lipids between T2DM and NGT

No.	Lipid ion	Class	Ion formula	CalMz	RT-(min)	Fold change	FDR	VIP
POS.626	PIP(32:0)+NH4	PIP	C41 H84 O16 N1 P2	908.5259915	1.50	0.49	2.78E-13	2.50
POS.115	Cer(m21:1/15:1)+NH4	Cer	C36 H73 O2 N2	565.5666545	13.18	2.20	1.58E-04	2.38
POS.96	Cer(m20:0/16:0)+H	Cer	C36 H74 O2 N1	552.5714055	16.06	0.56	2.12E-08	2.20
POS.645	SM(t33:2)+H	SM	C38 H76 O7 N2 P1	703.5384675	15.19	0.25	1.00E-06	2.16
POS.572	PE(19:2)+H	PE	C24 H45 O8 N1 P1	506.2877335	2.59	0.40	7.54E-07	2.14
POS.65	Cer(m38:0+O)+H-H2O	Cer	C38 H76 O2 N1	578.5870555	15.60	0.66	5.50E-07	2.13
NEG.472	PI(20:2/20:2)-H	PI	C49 H86 O13 N0 P1	913.5811565	6.94	0.56	7.54E-07	2.12
POS.33	Cer(m18:0/16:0)+H	Cer	C34 H70 O2 N1	524.5401055	14.69	0.57	1.39E-07	2.08
POS.555	PE(21:3)+Na	PE	C26 H46 O8 N1 P1 Na1	554.2853285	2.37	0.44	3.22E-06	2.08
NEG.96	CerG3GNAc1(t45:6)-2H	CerG3GNAc1	C71 H120 O24 N2	692.4121025	6.90	0.50	1.48E-06	2.05
NEG.344	PC(18:0/11:2)+HCOO	PC	C38 H71 O10 N1 P1	732.4821105	5.55	0.11	7.80E-06	2.03
POS.449	PC(4:0/12:1)+Na	PC	C24 H46 O8 N1 P1 Na1	530.2853285	2.49	0.52	6.31E-06	1.99
POS.180	ChE(20:5)+H	ChE	C47 H75 O2	671.5761565	15.06	0.24	2.46E-05	1.98
NEG.54	Cer(d18:2/25:0)+HCOO	Cer	C44 H84 O5 N1	706.6354975	14.81	0.66	1.84E-04	1.89
POS.630	PS(14:0/14:0)+H	PS	C34 H67 O10 N1 P1	680.4497135	4.30	2.25	6.78E-04	1.85
POS.367	PA(18:2/10:4)+NH4	PA	C31 H53 O8 N1 P1	598.3503335	2.44	1.89	1.18E-03	1.82
NEG.481	PI(16:0/16:0)-H	PI	C41 H78 O13 N0 P1	809.5185565	9.46	2.30	6.78E-04	1.80
POS.841	TG(52:1)+NH4	TG	C55 H108 O6 N1	878.8171155	18.89	1.84	6.20E-03	1.74
NEG.496	PS(11:0/16:0)-H	PS	C33 H63 O10 N1 P1	664.4195105	8.32	3.14	1.36E-03	1.73
POS.940	TG(18:0/18:1/22:0)+NH4	TG	C61 H120 O6 N1	962.9110155	22.02	1.63	3.21E-04	1.72
NEG.314	PC(16:0/11:2)+HCOO	PC	C36 H67 O10 N1 P1	704.4508105	8.15	3.14	1.36E-03	1.72
NEG.497	PS(16:1e/14:1)-H	PS	C36 H67 O9 N1 P1	688.4558955	8.15	3.25	1.39E-03	1.71

NEG.313	PC(14:0/10:1)+HCOO	PC	C33 H63 O10 N1 P1	664.4195105	3.30	2.11	3.08E-03	1.71
NEG.538	SM(d38:0)+HCOO	SM	C44 H90 O8 N2 P1	805.6440295	11.95	1.50	7.11E-04	1.71
NEG.235	OAHFA(47:4)-H	OAHFA	C47 H83 O4	711.6296835	14.41	1.54	8.04E-04	1.69
POS.591	PG(18:4/11:1)+NH4	PG	C35 H63 O10 N1 P1	688.4184135	3.34	2.09	3.54E-03	1.68
NEG.532	SM(d36:0)+HCOO	SM	C42 H86 O8 N2 P1	777.6127295	10.94	1.53	5.50E-04	1.68
POS.517	PC(9:0/10:1)+H	PC	C27 H53 O8 N1 P1	550.3503335	3.02	1.77	5.51E-03	1.67
NEG.53	Cer(d42:4)+HCOO	Cer	C43 H78 O5 N1	688.5885475	11.99	0.66	9.93E-04	1.67
POS.1403	ZyE(18:2)+H	ZyE	C45 H75 O2	647.5761565	15.18	0.13	1.16E-03	1.66
POS.872	TG(20:0/16:0/18:2)+NH4	TG	C57 H110 O6 N1	904.8327655	19.02	1.62	2.66E-03	1.65
POS.915	TG(18:0/16:0/22:6)+NH4	TG	C59 H106 O6 N1	924.8014655	20.64	1.58	4.86E-03	1.65
POS.1226	TG(16:0/17:0/18:1)+NH4	TG	C54 H106 O6 N1	864.8014655	18.88	1.90	7.41E-03	1.65
NEG.249	PC(10:0/11:4)+HCOO	PC	C30 H51 O10 N1 P1	616.3256105	2.38	1.81	7.09E-03	1.64
POS.24	Cer(d34:0)+H-H2O	Cer	C34 H68 O2 N1	522.5244555	14.07	2.13	3.11E-03	1.63
POS.825	TG(26:1/10:4/11:2)+Na	TG	C50 H82 O6 Na1	801.6003615	8.47	2.36	4.77E-03	1.62
POS.597	PG(20:0/24:0)+H	PG	C50 H100 O10 N0 P1	891.7048645	14.16	0.21	2.23E-03	1.62
POS.680	SM(d42:7)+H	SM	C47 H84 O6 N2 P1	803.6061525	8.60	1.97	2.38E-03	1.61
POS.89	Cer(m32:0)+H-H2O	Cer	C32 H64 O1 N1	478.4982405	15.37	4.53	2.33E-03	1.61
POS.819	TG(20:4e/12:2/12:2)+Na	TG	C47 H76 O5 Na1	743.5584965	17.03	3.50	2.31E-03	1.61
POS.870	TG(18:0/18:0/18:1)+NH4	TG	C57 H112 O6 N1	906.8484155	20.18	1.59	1.36E-03	1.59
POS.747	TG(18:0/17:0/18:1)+NH4	TG	C56 H110 O6 N1	892.8327655	22.34	1.85	3.61E-03	1.58
NEG.353	PC(8:0/11:2)+HCOO	PC	C28 H51 O10 N1 P1	592.3256105	2.46	1.71	7.41E-03	1.57
POS.1367	TG(19:0/12:4/22:6)+NH4	TG	C56 H92 O6 N1	874.6919155	18.11	1.73	2.47E-03	1.57
NEG.498	PS(11:0/18:0)-H	PS	C35 H67 O10 N1 P1	692.4508105	4.61	2.00	6.51E-03	1.57
POS.768	TG(18:0/18:1/20:3)+NH4	TG	C59 H110 O6 N1	928.8327655	21.87	1.50	2.18E-03	1.56
POS.237	DG(36:3e)+H	DG	C39 H73 O4	605.5503365	22.00	1.54	4.01E-03	1.56
POS.739	TG(18:0/16:0/18:1)+NH4	TG	C55 H108 O6 N1	878.8171155	22.00	1.71	4.94E-03	1.56
POS.100	Cer(m19:0/18:0)+H	Cer	C37 H76 O2 N1	566.5870555	16.46	1.67	1.82E-03	1.55
POS.684	SM(d44:4)+H	SM	C49 H94 O6 N2 P1	837.6844025	12.93	1.57	1.64E-03	1.55
POS.990	TG(18:0/18:0/24:1)+NH4	TG	C63 H124 O6 N1	990.9423155	22.61	1.78	2.44E-03	1.54
POS.1401	ZyE()+H-H2O	ZyE	C27 H43 O0	367.3359265	15.19	0.23	2.75E-03	1.54
POS.897	TG(18:0/18:0/20:0)+NH4	TG	C59 H118 O6 N1	936.8953655	22.01	1.63	7.41E-03	1.54
POS.922	TG(19:0/19:0/19:0)+NH4	TG	C60 H120 O6 N1	950.9110155	22.41	1.98	2.30E-03	1.52
POS.710	TG(16:0/14:0/16:1)+NH4	TG	C49 H96 O6 N1	794.7232155	18.90	1.70	0.011	1.52
POS.719	TG(16:0/14:0/18:2)+NH4	TG	C51 H98 O6 N1	820.7388655	19.08	1.50	9.53E-03	1.52
POS.1266	TG(55:1)+NH4	TG	C58 H114 O6 N1	920.8640655	20.78	1.55	9.89E-03	1.52
X928pos	DG(32:0e)+Na	DG	C35 H70 O4 Na1	577.5166315	22.00	1.66	5.18E-03	1.51
POS.718	TG(16:0/14:0/18:1)+NH4	TG	C51 H100 O6 N1	822.7545155	20.17	1.58	7.50E-03	1.51
POS.254	DG(33:3e)+H	DG	C36 H67 O4	563.5033865	20.71	1.58	5.69E-03	1.51
NEG.473	PI(16:0/16:1)-H	PI	C41 H76 O13 N0 P1	807.5029065	8.52	1.70	8.47E-03	1.51
POS.753	TG(18:4/18:3/18:3)+NH4	TG	C57 H94 O6 N1	888.7075655	14.65	0.39	9.02E-03	1.49
POS.924	TG(18:1/18:1/21:0)+NH4	TG	C60 H116 O6 N1	946.8797155	20.85	1.52	2.75E-03	1.48
POS.1369	TG(14:1e/20:3/20:3)+Na	TG	C57 H98 O5 Na1	885.7306465	21.44	2.00	3.18E-03	1.48
POS.723	TG(15:0/16:0/18:1)+NH4	TG	C52 H102 O6 N1	836.7701655	20.73	1.88	7.17E-03	1.48
POS.252	DG(31:2e)+H	DG	C34 H65 O4	537.4877365	20.73	1.54	0.011	1.48

NEG.499	PS(30:1)-H	PS	C36 H67 O10 N1 P1	704.4508105	4.11	2.11	3.14E-03	1.47
NEG.541	SM(d39:0)+HCOO	SM	C45 H92 O8 N2 P1	819.6596795	12.45	1.57	2.75E-03	1.47
POS.722	TG(16:0/16:0/17:0)+NH4	TG	C52 H104 O6 N1	838.7858155	21.63	2.25	4.78E-03	1.45
POS.726	TG(18:0/16:0/16:0)+NH4	TG	C53 H106 O6 N1	852.8014655	22.01	2.10	5.14E-03	1.45
POS.729	TG(16:0/16:1/18:1)+NH4	TG	C53 H102 O6 N1	848.7701655	20.18	1.52	6.41E-03	1.44
POS.738	TG(18:0/16:0/18:0)+NH4	TG	C55 H110 O6 N1	880.8327655	22.66	1.72	7.97E-03	1.44
POS.869	TG(18:0/16:0/20:0)+NH4	TG	C57 H114 O6 N1	908.8640655	23.20	1.59	0.010	1.44
POS.270	DG(34:2e)+H	DG	C37 H71 O4	579.5346865	22.66	1.60	0.010	1.42
POS.605	PG(30:3)+NH4	PG	C36 H69 O10 N1 P1	706.4653635	4.09	2.01	8.60E-03	1.42
POS.717	TG(16:0/16:0/16:0)+NH4	TG	C51 H102 O6 N1	824.7701655	21.20	2.12	6.88E-03	1.42
X875pos	DG(30:0e)+Na	DG	C33 H66 O4 Na1	549.4853315	20.18	1.51	8.39E-03	1.41
POS.708	TG(16:0/11:1/18:1)+NH4	TG	C48 H92 O6 N1	778.6919155	17.57	2.10	0.013	1.40
POS.1116	TG(16:0/14:0/16:0)+NH4	TG	C49 H98 O6 N1	796.7388655	20.17	2.62	0.010	1.40
POS.715	TG(15:0/14:0/18:1)+NH4	TG	C50 H98 O6 N1	808.7388655	19.55	1.91	0.012	1.40
POS.233	DG(36:2e)+H	DG	C39 H75 O4	607.5659865	22.66	1.82	0.014	1.39
POS.1305	TG(22:5/18:2/18:2)+NH4	TG	C61 H104 O6 N1	946.7858155	16.43	2.39	5.30E-03	1.39
POS.989	TG(18:0/18:0/24:0)+NH4	TG	C63 H126 O6 N1	992.9579655	23.21	1.77	6.03E-03	1.39
NEG.355	PC(16:1/14:0)+HCOO	PC	C39 H75 O10 N1 P1	748.5134105	8.55	1.79	4.94E-03	1.38
POS.629	PS(18:0/18:1)+Na	PS	C42 H80 O10 N1 P1 Na1	812.5412085	5.83	0.30	8.59E-03	1.37
POS.831	TG(14:0/14:0/22:0)+NH4	TG	C53 H106 O6 N1	852.8014655	18.93	2.65	8.27E-03	1.36
POS.262	DG(28:2e)+H	DG	C31 H59 O4	495.4407865	18.87	1.69	0.014	1.36
NEG.104	CerP(d44:5)+HCOO	CerP	C45 H81 O8 N1 P1	794.5705305	11.54	1.50	8.58E-03	1.36
POS.225	DG(33:2e)+H	DG	C36 H69 O4	565.5190365	21.63	1.56	9.33E-03	1.35
POS.860	TG(18:0/17:0/18:2)+NH4	TG	C56 H108 O6 N1	890.8171155	19.08	1.50	0.011	1.35
POS.733	TG(18:0/16:0/17:0)+NH4	TG	C54 H108 O6 N1	866.8171155	22.35	2.00	7.99E-03	1.35
POS.1055	TG(15:0/14:0/16:0)+NH4	TG	C48 H96 O6 N1	782.7232155	19.51	2.21	0.013	1.35
NEG.250	PC(16:0/14:0)+HCOO	PC	C39 H77 O10 N1 P1	750.5290605	9.52	1.51	9.02E-03	1.35
POS.955	TG(58:2e)+NH4	TG	C61 H120 O5 N1	946.9161005	22.05	1.57	7.61E-03	1.34
POS.1000	TG(18:0/18:2/24:2)+NH4	TG	C63 H118 O6 N1	984.8953655	21.00	1.68	2.78E-03	1.33
POS.923	TG(30:0/11:0/16:1)+NH4	TG	C60 H118 O6 N1	948.8953655	21.62	1.99	8.61E-03	1.33
POS.269	DG(32:3e)+H	DG	C35 H65 O4	549.4877365	8.54	1.53	7.99E-03	1.32
POS.832	TG(16:0/16:0/18:1)+NH4	TG	C53 H104 O6 N1	850.7858155	17.68	2.21	0.010	1.32
POS.985	TG(18:0/18:0/23:1)+NH4	TG	C62 H122 O6 N1	976.9266655	22.34	2.20	7.17E-03	1.30
POS.430	PC(18:2/22:6)+Na	PC	C48 H80 O8 N1 P1 Na1	852.5513785	7.62	1.54	8.13E-03	1.29
POS.855	TG(16:0/14:0/22:6)+NH4	TG	C55 H98 O6 N1	868.7388655	18.18	1.62	9.74E-03	1.27
POS.224	DG(32:2e)+H	DG	C35 H67 O4	551.5033865	22.01	1.66	0.011	1.26
POS.1316	TG(18:3/20:5/22:6)+H	TG	C63 H95 O6	947.7123165	17.04	1.59	6.27E-03	1.21
POS.1366	TG(16:2e/18:4/19:0)+Na	TG	C56 H98 O5 Na1	873.7306465	22.04	1.65	0.014	1.18

SUPPLEMENTARY TABLE 3 The detail information of the differential lipids between IGT and T2DM.

No.	Lipid ion	Class	Ion formula	CalMz	RT-(min)	Fold change	FDR	VIP
POS.626	PIP(32:0)+NH4	PIP	C41 H84 O16 N1 P2	908.5259915	1.50	0.49	2.78E-13	2.50
NEG.517	PS(22:0)-H	PS	C28 H53 O10 N1 P1	594.3412605	3.39	0.00	2.86E-06	2.35
POS.516	PC(17:0)+H	PC	C25 H51 O8 N1 P1	524.3346835	2.90	2.16	6.77E-05	2.24
POS.101	Cer(m18:0/20:0)+H	Cer	C38 H78 O2 N1	580.6027055	13.95	0.00	3.80E-05	2.22
POS.645	SM(t33:2)+H	SM	C38 H76 O7 N2 P1	703.5384675	15.19	0.25	1.00E-06	2.16
POS.572	PE(19:2)+H	PE	C24 H45 O8 N1 P1	506.2877335	2.59	0.40	7.54E-07	2.14
NEG.472	PI(20:2/20:2)-H	PI	C49 H86 O13 N0 P1	913.5811565	6.94	0.56	7.54E-07	2.12
POS.555	PE(21:3)+Na	PE	C26 H46 O8 N1 P1 Na1	554.2853285	2.37	0.44	3.22E-06	2.08
POS.94	Cer(m18:0/18:0)+H	Cer	C36 H74 O2 N1	552.5714055	12.86	0.00	3.05E-05	2.07
NEG.96	CerG3GNAc1(t45:6)-2H	CerG3GNAc1	C71 H120 O24 N2	692.4121025	6.90	0.50	1.48E-06	2.05
NEG.344	PC(18:0/11:2)+HCOO	PC	C38 H71 O10 N1 P1	732.4821105	5.55	0.11	7.80E-06	2.03
POS.1124	TG(18:3/20:5/20:5)+NH4	TG	C61 H96 O6 N1	938.7232155	14.71	0.00	1.57E-04	2.00
POS.449	PC(4:0/12:1)+Na	PC	C24 H46 O8 N1 P1 Na1	530.2853285	2.49	0.52	6.31E-06	1.99
POS.180	ChE(20:5)+H	ChE	C47 H75 O2	671.5761565	15.06	0.24	2.46E-05	1.98
POS.630	PS(14:0/14:0)+H	PS	C34 H67 O10 N1 P1	680.4497135	4.30	2.25	6.78E-04	1.85
POS.367	PA(18:2/10:4)+NH4	PA	C31 H53 O8 N1 P1	598.3503335	2.44	1.89	1.18E-03	1.82
POS.1393	WE(14:0/14:1)+NH4	WE	H58 C28 O2 N1	440.4462055	8.82	0.00	1.26E-03	1.81
POS.1338	TG(6:0/10:0/11:1)+NH4	TG	C30 H58 O6 N1	528.4258655	5.99	0.00	4.07E-04	1.79
POS.113	Cer(d32:0)+H-H2O	Cer	C32 H64 O2 N1	494.4931555	12.83	0.44	1.38E-03	1.79
POS.35	Cer(m19:0/16:0)+H	Cer	C35 H72 O2 N1	538.5557555	15.08	0.00	2.14E-03	1.76
POS.611	PG(28:1/18:0)+H	PG	C52 H102 O10 N0 P1	917.7205145	15.43	0.00	1.96E-03	1.75
POS.137							1.36E-03	
6	DG(42:7e)+Na	DG	C45 H76 O4 Na1	703.5635815	14.95	4.97		1.75
NEG.107	CL(73:3)-2H	CL	C82 H152 O17 P2	735.525789	7.98	1.96	6.63E-04	1.74
NEG.496	PS(11:0/16:0)-H	PS	C33 H63 O10 N1 P1	664.4195105	8.32	3.14	1.36E-03	1.73
NEG.314	PC(16:0/11:2)+HCOO	PC	C36 H67 O10 N1 P1	704.4508105	8.15	3.14	1.36E-03	1.72
NEG.497	PS(16:1e/14:1)-H	PS	C36 H67 O9 N1 P1	688.4558955	8.15	3.25	1.39E-03	1.71
NEG.313	PC(14:0/10:1)+HCOO	PC	C33 H63 O10 N1 P1	664.4195105	3.30	2.11	3.08E-03	1.71
NEG.86	CerG2GNAc1(d36:1)-H	CerG2GNAc1	C56 H103 O18 N2	1091.721142	4.04	0.00	1.17E-03	1.69
POS.591	PG(18:4/11:1)+NH4	PG	C35 H63 O10 N1 P1	688.4184135	3.34	2.09	3.54E-03	1.68
POS.360	MG(19:1)+H	MG	C22 H43 O4	371.3155865	6.16	2.19	3.55E-05	1.67
POS.517	PC(9:0/10:1)+H	PC	C27 H53 O8 N1 P1	550.3503335	3.02	1.77	5.51E-03	1.67
POS.1294	TG(18:1/18:3/22:6)+NH4	TG	C61 H102 O6 N1	944.7701655	15.95	0.00	6.63E-03	1.66
POS.1403	ZyE(18:2)+H	ZyE	C45 H75 O2	647.5761565	15.18	0.13	1.16E-03	1.66
NEG.249	PC(10:0/11:4)+HCOO	PC	C30 H51 O10 N1 P1	616.3256105	2.38	1.81	7.09E-03	1.64
POS.24	Cer(d34:0)+H-H2O	Cer	C34 H68 O2 N1	522.5244555	14.07	2.13	3.11E-03	1.63
POS.825	TG(26:1/10:4/11:2)+Na	TG	C50 H82 O6 Na1	801.6003615	8.47	2.36	4.77E-03	1.62
POS.597	PG(20:0/24:0)+H	PG	C50 H100 O10 N0 P1	891.7048645	14.16	0.21	2.23E-03	1.62

POS.140	ChE()+H-H2O	ChE	C27 H45 O0	369.3515765	17.38	1.87	5.85E-03	1.61
POS.680	SM(d42:7)+H	SM	C47 H84 O6 N2 P1	803.6061525	8.60	1.97	2.38E-03	1.61
POS.89	Cer(m32:0)+H-H2O	Cer	C32 H64 O1 N1	478.4982405	15.37	4.53	2.33E-03	1.61
POS.819	TG(20:4e/12:2/12:2)+Na	TG	C47 H76 O5 Na1	743.5584965	17.03	3.50	2.31E-03	1.61
POS.156	ChE(2:0)+H	ChE	C29 H49 O2	429.3727065	8.31	0.00	2.27E-03	1.60
POS.318	LPC(36:0)+Na	LPC	C44 H90 O7 N1 P1 Na1	798.6347135	13.28	1.98	5.51E-03	1.60
NEG.353	PC(8:0/11:2)+HCOO	PC	C28 H51 O10 N1 P1	592.3256105	2.46	1.71	7.41E-03	1.57
NEG.498	PS(11:0/18:0)-H	PS	C35 H67 O10 N1 P1	692.4508105	4.61	2.00	6.51E-03	1.57
POS.100	Cer(m19:0/18:0)+H	Cer	C37 H76 O2 N1	566.5870555	16.46	1.67	1.82E-03	1.55
POS.1274	TG(22:0/11:2/22:6)+Na	TG	C58 H96 O6 Na1	911.7099115	15.75	0.00	2.55E-03	1.54
POS.1401	ZyE()+H-H2O	ZyE	C27 H43 O0	367.3359265	15.19	0.23	2.75E-03	1.54
POS.753	TG(18:4/18:3/18:3)+NH4	TG	C57 H94 O6 N1	888.7075655	14.65	0.39	9.02E-03	1.49
POS.290	DG(27:3)+H	DG	C30 H53 O5	493.3887515	13.34	0.00	4.96E-03	1.48
NEG.499	PS(30:1)-H	PS	C36 H67 O10 N1 P1	704.4508105	4.11	2.11	3.14E-03	1.47
POS.1399	WE(28:6/17:3)+H	WE	H73 C45 O2	645.5605065	14.58	2.19	0.011	1.43
POS.605	PG(30:3)+NH4	PG	C36 H69 O10 N1 P1	706.4653635	4.09	2.01	8.60E-03	1.42
POS.1305	TG(22:5/18:2/18:2)+NH4	TG	C61 H104 O6 N1	946.7858155	16.43	2.39	5.30E-03	1.39
POS.629	PS(18:0/18:1)+Na	PS	C42 H80 O10 N1 P1 Na1	812.5412085	5.83	0.30	8.59E-03	1.37
POS.917	TG(20:3/18:2/18:2)+NH4	TG	C59 H104 O6 N1	922.7858155	17.44	1.55	0.012	1.23