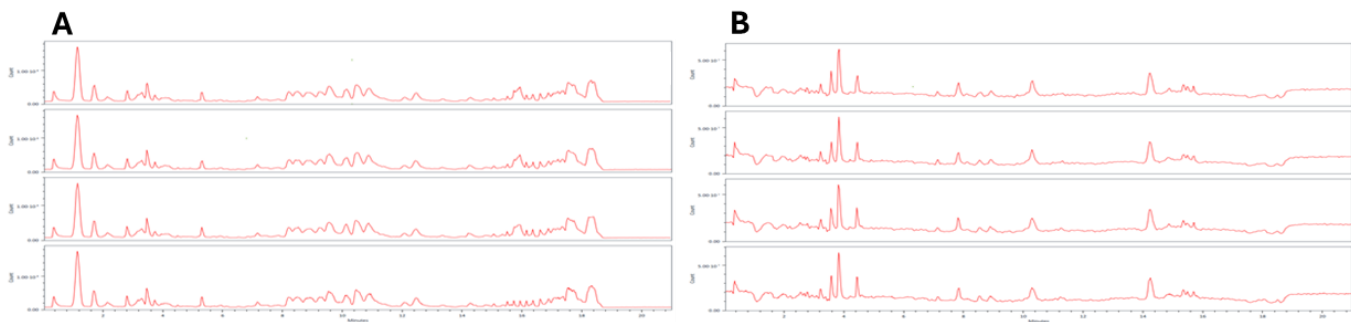
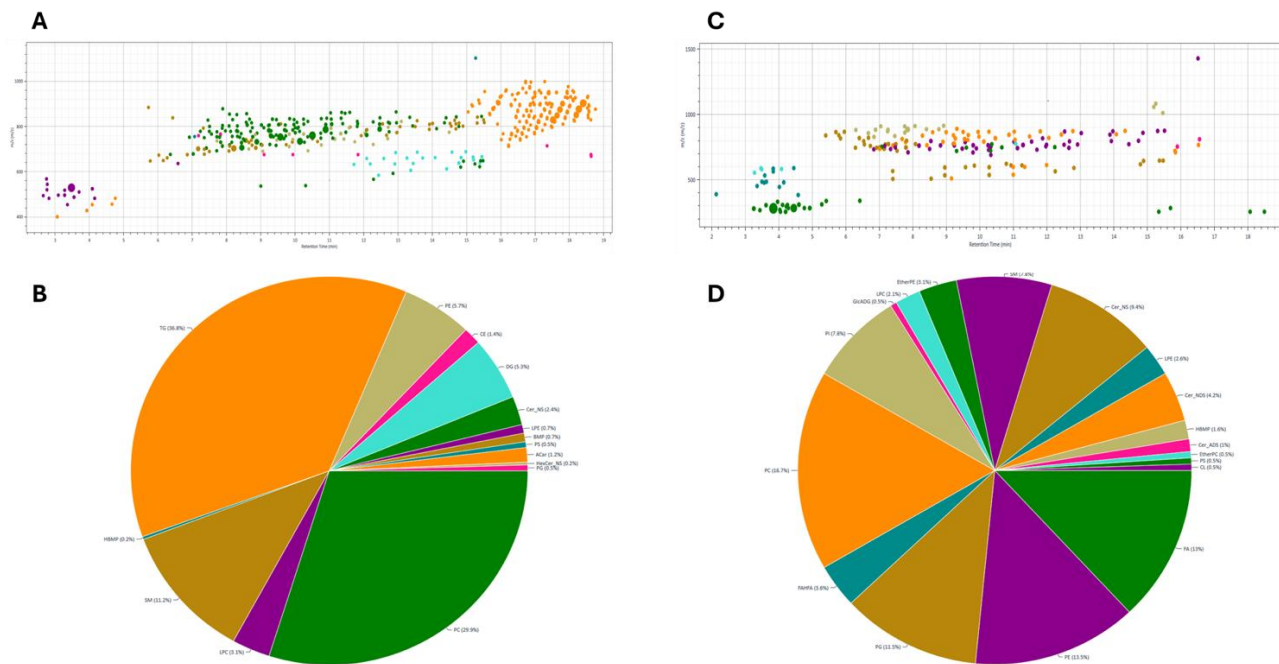


Supplementary charts



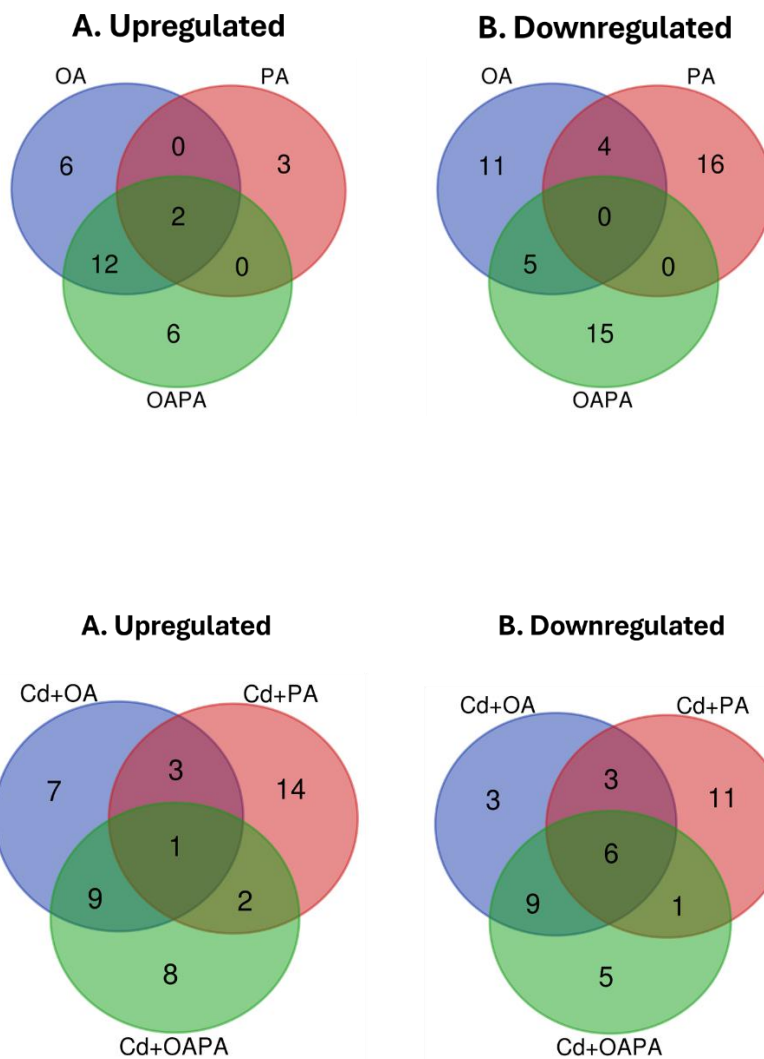
Suppl. Figure S1. Total Ion Current (TIC) chromatograms of QC sample acquired in positive and negative ionization modes.

TIC chromatograms of QC sample acquired in positive (A) and negative (B) ionization mode.



Suppl. Figure S2. Kendrick plots and pie charts of fully identified lipid species and classes in QC sample.

Identified features in QC sample. shown in different colours according to lipid class belonging. acquired in positive (A, B) and negative (C, D) ionization mode are visualized by a mz/Rt Kendrick plot and pie chart.



Suppl. Figure S3. Venn Diagrams of significantly TOP 20 modified lipid classes in individual FFAs treatments and Cd+FFA combinatorial treatments. Venn diagrams show the concurrence in the top-20 significantly upregulated and downregulated lipid features FFAs treatments (upper charts: red= PA Vs CTL, blue=OA Vs CTL, green=OAPA Vs CTL) or Cd+FFA combinatorial treatments (lower charts: red= Cd+PA Vs CTL, blue=Cd+OA Vs CTL, green= Cd+OAPA Vs CTL) as resulting from the comparison with control cells (treated with the vehicle DMSO only).

Suppl. Table S1. Identified lipids ranked by lipid class

	Compound	CTL	MLT	OA	PA	Cd	OAPA	Cd OA	Cd PA	Cd OAP1	Cd OA MLT	Cd PA MLT	Cd OAP1 lipid Class	Mass	Retention Time	Ion Species		
Acar	16:0	-1.229983	-1.959084233	-4.5937	-2.9681	-0.9834	-3.8613	-2.2895	-5.3342	-2.8025	-4.5657	-3.0684325	-6.6954	ACar	399.3343	3.0599922	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺	
Acar	18:0	-1.03964488	-1.963779433	-5.4176	-2.8062	-1.8748	-2.2409	-4.4143	-2.5454	-5.255	-3.037	-3.7279475	-5.3423	ACar	427.3658	3.9219987	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺	
Acar	20:1	-2.975971933	-3.155307267	-4.6166	-4.6857	-3.8109	-2.2248	-0.5052	-6.609	-6.5511	-5.2164	-3.7533	-3.9967925	-5.6675	ACar	453.381	4.0479984	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
Acar	20:0	-3.2326794	-4.3141156	-8.8294	-5.9219	-4.8906	-4.6049	-7.9243	-5.4548	-5.1758	-5.5285	-5.9435	-5.2470818	-7.4558	ACar	455.3963	4.6510005	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [Na] ⁺
BMP	18:1, 22:6	-3.061583833	-3.68589367	-3.9018	-3.9906	-2.8151	-2.7805	-4.8869	-4.8111	-5.9609	-5.9051	-4.2866	-5.644816	-6.1792	BMP	820.5238	6.410999	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
BMP	22:6, 22:6	-3.046896067	-3.6061649	-5.117	-3.8034	-2.9923	-4.0764	-7.6742	-4.3541	-6.605	-4.4032	-3.78	-4.297671	-7.5564	BMP	866.5078	5.6979985	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
CE	22:6	-2.140000067	-1.951991333	-1.3782	-0.9709	-1.2441	-1.9535	-0.6433	-1.1876	-2.5574	-1.9488	-2.344	-1.905992	-3.7613	CE	696.5815	17.354498	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
Cer	NDS d18:0, 16:0	0.016524333	-0.764618557	-1.2313	-0.7126	-0.0412	-0.9046	-0.7669	0.1732	-0.4937	-0.3729	-0.1571	-0.0719884	-1.1821	Cer NDS	539.5289	11.347994	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:0, 16:0	-1.975837067	-2.77345967	-1.994	-2.4804	-1.2264	-2.735967	-0.5264	0.9572	-0.2061	0.7189	0.9659	1.22211077	-0.6218	Cer NDS	567.56	12.984992	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:0, 22:0	-0.877966567	-1.6102492	-1.4146	-1.4492	-0.5099	-1.9487	0.03	0.8017	-0.4176	-0.1245	0.2957	0.60323779	-1.0526	Cer NDS	623.6221	15.489007	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:0, 22:0	2.0253989	1.125182467	0.1255	1.303	1.7931	0.9514	-0.4526	0.8248	-0.6046	0.2311	-0.10195843	-0.9889	Cer NDS	647.6234	15.448	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺	
Cer	NDS d18:0, 24:0	-0.482421253	-1.2320633	-0.9191	-0.8565	-0.3707	-1.9885	0.3744	0.7959	-0.4616	0.1377	0.8659	0.36467552	-1.0081	Cer NDS	651.6543	15.807005	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d19:0, 24:0	-0.3996067	-1.103128433	-0.8171	-0.7354	-0.3025	-1.8307	0.4485	0.8362	-0.333	0.1834	-0.6244	-1.0267366	-0.9269	Cer NDS	665.6694	15.807005	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:2, 14:0	-1.502790433	-2.265904733	-2.8219	-2.4384	-1.4904	-1.8172	-1.5952	-2.928	-4.7898	-4.6979	-3.2423	-3.3544801	-4.2201	Cer NS	507.4658	7.418	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:2, 16:0	-0.073835374	-0.89738528	-0.8923	-0.7351	0.0959	-0.474	-1.8546	-0.5206	-1.8984	-1.9198	-0.8602	-1.0628965	-1.8585	Cer NS	509.4817	8.566001	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d17:1, 16:0	-0.514029187	-1.269485467	-1.1264	-0.9874	-0.243	-0.8264	-1.3963	-0.2881	-1.4487	-1.5621	-0.5248	-0.4405378	-1.6472	Cer NS	523.4976	9.402005	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:0, 22:0	2.710389333	1.832059533	1.1106	1.9193	2.8048	0.6777	0.3659	1.9305	0.6718	0.5548	1.3401	1.42292847	0.5473	Cer NS	535.4978	8.974	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:1, 16:0	2.054364533	1.38394673	1.9052	1.8429	2.3693	2.7199	1.8982	2.7867	1.8843	1.4316	2.4273	2.30644927	1.8038	Cer NS	537.5135	10.299003	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:2, 17:0	-2.799972533	-3.377826067	-3.1152	-3.0721	-2.5788	-2.8095	-3.6296	-2.7716	-4.0056	-4.2298	-2.884	-3.397995	-4.0478	Cer NS	549.5129	9.858001	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d19:1, 16:0	-1.729218167	-2.432569507	-3.3657	-1.903	-1.3372	-2.1625	-3.6096	-0.992	-2.1948	-2.2562	-1.9994	-1.3152459	-2.4231	Cer NS	551.5288	10.941995	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:2, 18:0	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	-0.90483274	Cer NS	563.5288	10.799996	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:1, 18:0	-0.57137973	-1.2094492	-1.7021	-1.5371	-0.1803	-0.4972	-0.8624	0.2954	-0.6392	-0.6861	-0.313	-0.20082319	-0.7067	Cer NS	565.5446	12.252997	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:2, 20:0	-0.78514735	-1.6132005	-3.8959	-2.1823	-0.614	-0.998	-3.8965	-1.3633	-3.2116	-2.3415	-1.8338	-1.6254997	-3.1662	Cer NS	591.56	12.809985	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:1, 22:0	-0.504519143	-1.044293967	-2.7921	-1.696	-0.2722	-1.5908	-2.4308	-0.9611	-2.0111	-1.9161	-1.8032	-0.8450699	-2.3006	Cer NS	593.5754	14.329001	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:2, 22:0	-2.610943467	-3.28055367	-6.0466	-3.9347	-2.607	-3.491	-6.1793	-3.4412	-5.6997	-5.049	-3.5657	-4.4297237	-6.1229	Cer NS	619.5898	14.823999	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
Cer	NDS d18:1, 22:0	-3.975452067	-4.7390986	-5.4295	-4.617	-3.7812	-4.7619	-9.1335	-3.6532	-3.9455	-5.7397	-4.6668	-4.6949107	-5.3249	Cer NS	621.6046	15.381999	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
Cer	NDS d18:2, 23:0	-1.459506067	-2.354164767	-2.6439	-2.2418	-1.5258	-2.4359	-3.2061	-2.0857	-3.4264	-3.3463	-2.747	-1.8625656	-4.4492	Cer NS	633.6072	15.213006	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
Cer	NDS d18:2, 24:1	-2.164541333	-3.008728667	-3.001	-2.9456	-2.2685	-2.2388	-4.8456	-3.1542	-4.7061	-4.8326	-4.0055	-3.9109383	-5.1928	Cer NS	645.6048	14.911004	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
CL	8:0	-2.5916144	-2.8947983	-3.5917	-3.1143	-2.6245	-3.072	-3.8453	-3.0154	-3.7866	-3.0905	-3.1297	-2.9993083	-4.3008	CL	1557.0754	11.3099985	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [HCOO] ⁺ [M] ⁺ [H] ⁺
DG	14:0, 18:1	-3.5561886	-3.751910533	-3.5191	-3.7712	-3.2667	-3.3267	-7.4548	-4.9224	-5.4358	-4.1367	-4.1436	-3.7037087	-5.1037	DG	566.4897	12.405	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	16:0, 18:1	-0.55460231	-1.2629242	-0.7643	-1.5372	-0.5208	-0.1599	-1.8288	-1.5634	-1.7795	-2.2233	-0.5859	-1.8811709	-2.2047	DG	594.5211	14.420005	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	16:0, 20:5	-3.776284533	-4.18900433	-4.0477	-4.5633	-3.2695	-4.0915	-5.4386	-3.1947	-3.983	-3.7048	-3.26	-3.7607244	-5.0165	DG	614.4891	11.690005	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	16:0, 24:0	-2.392329333	-2.94479467	-2.7885	-2.3309	-2.0982	-2.7014	-1.758	-1.824	-2.9352	-2.7059	-2.221	-2.3514417	-3.6797	DG	616.5045	12.894996	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:1, 18:2	-4.013571	-4.66477833	-2.0263	-3.7676	-3.7362	-2.2939	-2.7274	-2.7125	-2.4791	-1.5938	-1.6786	-3.1455587	-3.0701	DG	618.5211	13.433997	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:1, 18:1	-1.9594434	-2.708012267	-0.4889	-2.7462	-1.5462	0.2296	0.3317	-2.3095	-1.0144	-2.3389	0.4417	-2.8373884	-0.9459	DG	620.5372	14.767002	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:0, 18:1	-3.2824059	-3.8672505	-3.1631	-3.9678	-2.9383	-2.616	-3.7663	-3.7038	-4.068	-4.6318	-3.1055	-4.4579208	-4.4862	DG	622.5519	15.393003	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:1, 19:1	-6.905831	-7.1633863	-6.66	-6.9722	-6.0781	-6.6756	-7.502	-6.7616	-7.2235	-8.0081	-6.374	-7.4482791	-7.9217	DG	634.5534	15.200006	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	16:0, 22:6	-3.659439733	-3.48472167	-3.7079	-3.6866	-3.2527	-3.6826	-4.2033	-3.3543	-3.5742	-3.3396	-3.2375	-2.992033	-4.0961	DG	640.5051	12.484002	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:1, 24:0	-2.6313254	-3.1474489	-1.7781	-3.2444	-0.0725	-1.903	-1.5794	-1.5882	-2.0648	-2.5985	-1.0384	-1.9127795	-2.5393	DG	642.5206	13.253999	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:1, 20:3	-6.781093267	-7.1894184	-5.2275	-7.1802	-6.0293	-6.5828	-5.5868	-5.8089	-6.663	-6.7354	-4.5438	-6.058619	-6.6905	DG	644.536	14.067995	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:0, 24:0	-1.378679633	-1.66549667	-6.8205	-1.6162	-1.1224	-0.6513	-1.0598	-0.5456	-1.5406	-1.4701	-0.5485	-1.0323118	-1.9194	DG	644.5361	14.839996	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:0, 20:3	-4.4980062	-4.80869533	-4.8882	-4.9721	-3.159	-4.1131	-5.4617	-4.6136	-5.5663	-5.2685	-4.9474	-4.8710562	-4.6245	DG	646.5525	15.187005	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:1, 20:1	-5.570141533	-6.0963649	-4.2109	-5.9236	-5.1771	-4.1418	-5.7913	-3.3487	-4.478	-5.0823	-5.379	-7.5599584	-6.6522	DG	648.5682	15.448	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:1, 22:6	-3.63304967	-4.657781867	-2.7325	-5.2232	-2.7575	-2.4034	-3.6352	-2.6277	-3.9395	-1.568	-2.5507221	-3.9122	DG	666.5204	12.920007	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺	
DG	18:1, 22:5	-4.605967667	-5.210324433	-3.1034	-4.0001	-0.0941	-3.0134	-7.9222	-3.0515	-3.9236	-6.4446	-2.7103	-3.8225137	-5.3325	DG	668.5365	13.549995	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:0, 22:6	-4.146798533	-4.782011033	-5.1663	-5.0489	-4.0062	-4.1967	-4.9096	-3.637	-4.8206	-4.7052	-4.0962	-4.668849	-5.3402	DG	668.5366	14.570005	[M] ⁺ [H] ⁺ [M] ⁺ [K] ⁺ [NH4] ⁺ [Na] ⁺
DG	18:0, 22:5	-4.201464967	-4.599															

PC 37.2	-5.7106462	-6.7493566	-6.8071	-6.2246	-5.8391	-6.7588	-7.4684	-6.4236	-7.7841	-8.3161	-6.9344	-6.9678053	-8.0573	PC	799.6071	11.802001	[M*][M*H][M*K][M*NH4][M*Na]
PC 38.8	-4.69273383	-4.9624368	-6.8318	-5.4251	-4.718	-5.7297	-7.2388	-5.2526	-6.4834	-5.3649	-5.8576	-5.997727	-7.2242	PC	801.5283	8.303997	[M*][M*H][M*K][M*NH4][M*Na]
PC 37.1	-6.79621433	-7.58304767	-6.8506	-5.7239	-4.8106	-6.8505	-7.3218	-6.8178	-8.1847	-8.3536	-6.5346	-6.7737948	-9.4017	PC	801.6229	13.454003	[M*][M*H][M*K][M*NH4][M*Na]
PC 38.7	-5.64013637	-6.905060433	-6.7277	-6.6566	-5.7005	-6.8253	-7.0241	-5.3166	-7.3534	-6.9903	-6.0588491	-7.3548	-7.869975	PC	803.5446	7.869975	[M*][M*H][M*K][M*NH4][M*Na]
PC 38.6	-2.69791473	-3.387147933	-5.8685	-3.6958	-2.9719	-4.1008	-5.966	-3.2219	-4.841	-4.8403	-4.235	-3.6470992	-5.3905	PC	805.5609	9.010001	[M*][M*H][M*K][M*NH4][M*Na]
PC 38.5	-3.152729033	-4.673000667	-4.2599	-4.2569	-3.0031	-3.5862	-4.2218	-3.1093	-4.2759	-3.4764	-3.0311	-3.4913705	-4.7808	PC	807.5768	9.967003	[M*][M*H][M*K][M*NH4][M*Na]
PC 38.4	-3.0559584	-3.9963754	-4.2337	-4.2327	-3.3759	-3.7491	-4.3019	-3.8069	-5.0514	-5.0283	-3.9531	-4.6161582	-5.0755	PC	809.5907	12.476966	[M*][M*H][M*K][M*NH4][M*Na]
PC 38.3	-4.8531837	-5.968172633	-7.2157	-6.0367	-5.1183	-6.3137	-6.7162	-5.1269	-6.8116	-6.5699	-5.9699	-5.1595389	-7.2317	PC	811.6077	12.820005	[M*][M*H][M*K][M*NH4][M*Na]
PC 38.2	-4.657076467	-6.109438033	-4.3893	-5.7185	-5.5489	-5.0328	-5.7076	-5.9243	-7.0031	-7.9127	-6.1808	-7.0235869	-7.2542	PC	813.6288	12.756004	[M*][M*H][M*K][M*NH4][M*Na]
PC 38.1	-6.078606367	-7.706855867	-7.6631	-7.0193	-6.1947	-6.8754	-6.0364	-6.7519	-8.2883	-8.7017	-7.8208	-7.5858046	-8.4071	PC	815.6381	14.347996	[M*][M*H][M*K][M*NH4][M*Na]
PC 39.7	-7.5238957	-8.641809	-7.1125	-7.6907	-7.6756	-8.7859	-8.1152	-7.7865	-9.3072	-9.2084	-8.4428	-8.393841	-9.5119	PC	817.5591	12.727998	[M*][M*H][M*K][M*NH4][M*Na]
PC 39.5	-9.28783167	-10.70663567	-10.129	-9.9678	-9.449	-10.849	-11.931	-10.419	-12.156	-11.258	-10.77	-11.642966	-11.529	PC	821.59	11.812004	[M*][M*H][M*K][M*NH4][M*Na]
PC 40.7	-6.086632	-6.498014467	-6.6203	-7.0243	-6.0717	-6.5869	-6.676	-5.9261	-7.0974	-6.3244	-5.7348	-6.7270598	-7.2638	PC	829.5586	9.971995	[M*][M*H][M*K][M*NH4][M*Na]
PC 40.8	-5.3880405	-5.911922367	-4.5358	-5.5763	-5.3307	-4.8163	-4.8219	-5.1849	-5.4888	-5.8569	-4.2823	-5.4347019	-5.3301	PC	831.5758	9.335	[M*][M*H][M*K][M*NH4][M*Na]
PC 40.6	-4.7685152	-5.458351787	-6.7729	-5.5539	-4.8912	-5.686	-6.4775	-5.1823	-5.6574	-5.247	-5.166	-4.5675214	-6.1919	PC	833.5924	10.773995	[M*][M*H][M*K][M*NH4][M*Na]
PC 40.5	-5.621662233	-5.967948933	-6.1283	-5.4469	-5.8341	-6.1889	-6.1554	-4.884	-6.2528	-6.0887	-6.6971	-5.2115771	-6.6522	PC	835.6051	10.791994	[M*][M*H][M*K][M*NH4][M*Na]
PC 40.4	-9.708627667	-9.952198667	-11.064	-10.082	-9.1438	-10.206	-11.368	-10.284	-11.413	-11.12	-10.851	-11.092862	-11.387	PC	837.6216	14.244005	[M*][M*H][M*K][M*NH4]
PC 40.1	-9.383152	-10.349262	-11.022	-9.4662	-9.7513	-10.324	-10.262	-9.9706	-10.851	-11.13	-10.449	-10.037007	-11.483	PC	843.6695	15.471992	[M*][M*H][M*K][M*NH4][M*Na]
PC 20.5, 22.6	-12.44724467	-12.12377833	-11.587	-11.309	-11.966	-11.993	-10.522	-10.053	-11.021	-10.409	-10.962	-11.102074	-10.679	PC	851.5415	8.313997	[M*][M*H][M*K][M*NH4][M*Na]
PC 42.10	-8.985815	-9.819631	-10.758	-9.5227	-8.8368	-9.9637	-7.7616	-8.9739	-8.7821	-9.9044	-8.9797	-8.6323293	-8.6224	PC	853.5596	8.075001	[M*][M*H][M*K][M*NH4][M*Na]
PC 42.9	-9.470296	-10.50584567	-8.9775	-9.529	-9.2473	-10.503	-8.2584	-7.5894	-9.5128	-8.9314	-9.0813	-8.3756657	-9.0796	PC	855.5796	8.561003	[M*][M*H][M*K][M*NH4][M*Na]
PC 42.8	-6.018766233	-9.235909667	-8.2084	-6.3994	-5.5112	-6.8596	-6.2683	-6.5398	-7.5117	-6.3167	-6.1002	-6.0695197	-9.1812	PC	867.5895	11.376005	[M*][M*H][M*K][M*NH4][M*Na]
PC 42.7	-9.13594845	-10.13594845	-10.283	-9.7239	-8.8683	-9.4096	-8.9497	-9.8989	-9.5978	-8.8978	-8.3056	-9.0737047	-11.091	PC	869.6233	10.992005	[M*][M*H][M*K][M*NH4][M*Na]
PC 42.6	-9.12839633	-8.797175667	-8.5425	-8.1658	-6.6674	-10.135	-9.2592	-6.6197	-11.025	-11.18	-10.0232	-10.378316	-11.474	PC	861.6208	13.342004	[M*][M*H][M*K][M*NH4][M*Na]
PC 42.5	-6.82788233	-9.25822533	-9.1496	-8.0456	-6.6149	-10.07	-9.5647	-8.0703	-10.257	-9.9071	-9.5339	-9.1705043	-10.433	PC	863.6379	12.920005	[M*][M*H][M*K][M*NH4][M*Na]
PC 22.6, 22.6	-9.728112	-11.21340633	-11.083	-10.351	-9.5623	-11.128	-10.475	-8.6002	-9.949	-10.149	-10.122	-9.7671173	-10.442	PC	877.561	7.881	[M*][M*H][M*K][M*NH4][M*Na]
PE 32.1	0.796294537	-0.18466183	-1.6005	-0.7896	-1.1222	-0.6754	-2.1173	-1.4167	-2.2065	-1.3642	-1.996	-1.8024323	-2.1353	PE	689.5005	9.049001	[M*][M*H][M*K][M*NH4][M*Na]
PE 32.0	-1.69837033	-2.148609767	-3.7142	-2.3468	-2.1055	-2.688	-3.6361	-2.5226	-3.7913	-2.7157	-3.4446	-2.8034064	-3.5788	PE	691.5136	10.362	[M*][M*H][M*K][M*NH4][M*Na]
PE 16.0, 18.1	2.952511	1.275574967	0.829	1.901	1.912	1.546	1.2568	1.0029	0.0714	0.5432	0.4573	0.74096999	0.0138	PE	717.5313	10.759002	[M*][M*H][M*K][M*NH4][M*Na]
PE 34.0	-6.072686147	-1.3634796	-2.0285	-1.0149	-1.1678	-1.2747	-1.8509	-0.7294	-2.1706	-1.454	-1.1972	-1.1063595	-1.9017	PE	719.5448	12.278998	[M*][M*H][M*K][M*NH4][M*Na]
PE 17.1, 18.1	-1.59042967	-2.028258633	-1.4229	-1.2992	-1.4045	-1.8882	-2.6392	-1.7435	-2.7612	-2.4903	-1.9613	-2.0115547	-2.9832	PE	729.5312	10.283998	[M*][M*H][M*K][M*NH4][M*Na]
PE 16.0, 17.1	-0.703805923	-1.3130534	-0.9191	-0.9892	-0.7075	-1.2316	-2.1056	-1.3928	-2.6625	-2.4229	-1.5923	-1.9827512	-2.7265	PE	731.5466	11.72	[M*][M*H][M*K][M*NH4][M*Na]
PE 16.0, 20.5	2.0952866	1.275951367	-1.6979	0.4959	1.9063	0.1801	-2.7705	0.2248	-1.5928	-0.1776	-0.8206	-1.3178066	-2.3295	PE	737.5011	8.518005	[M*][M*H][M*K][M*NH4][M*Na]
PE 16.0, 20.4	-0.213125267	2.522645933	-0.2825	1.7908	3.2827	1.6398	-0.7174	2.2387	0.2173	1.5055	0.8829	1.16683493	-0.4777	PE	739.517	9.506998	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.1, 18.2	0.579761493	-0.094572066	0.0488	0.9984	0.9765	0.624	-0.6906	0.3284	-0.7835	-1.1134	-0.1281	-0.1466613	-1.1208	PE	741.5313	9.916005	[M*][M*H][M*K][M*NH4][M*Na]
PE 16.0, 20.3	-1.8078429	-4.297966167	-4.1335	-3.0056	-2.5577	-3.2628	-5.0686	-0.0271	-4.3655	-3.4006	-4.5704	-3.2454367	-4.4889	PE	741.5318	10.696006	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.1, 18.1	2.4450785	1.21210068	3.5181	2.2828	1.9209	3.0828	2.4667	0.4332	0.8614	0.5194	0.257	0.52440834	1.7736	PE	743.5468	8.852006	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.0, 18.2	2.2658138	1.436136233	1.1734	2	2.2295	1.7517	6.0506	-0.2228	0.3649	0.2347	2.6734	0.26736132	1.3514	PE	743.5469	8.165002	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.0, 18.1	2.611607287	1.9297339	2.7796	1.9033	2.5774	2.5038	1.719	1.8142	0.9364	0.9287	0.6734	1.18075437	0.9728	PE	745.5638	9.661004	[M*][M*H][M*K][M*NH4][M*Na]
PE 17.0, 20.5	-1.520304467	-1.979298467	-2.318	-1.9187	-1.3039	-2.2968	-2.9201	-2.2514	-3.0053	-2.5693	-2.1568	-2.5232309	-3.1512	PE	751.5162	9.369997	[M*][M*H][M*K][M*NH4][M*Na]
PE 17.0, 20.4	-0.514551343	-0.931523643	-0.988	-0.807	-0.5353	-1.2624	-1.6599	-0.5427	-1.8947	-1.113	-0.8484	-0.9331137	-2.2569	PE	753.5321	10.349	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.1, 20.5	0.15398485	0.13699931	0.6394	0.2797	0.7586	1.0222	-1.4329	-2.3807	-1.92	-0.1786	-0.4918	-1.5226807	-2.0501	PE	763.5149	8.826997	[M*][M*H][M*K][M*NH4][M*Na]
PE 38.6	5.52274028	6.42545461	3.6529	4.7238	4.7886	4.4096	3.2645	4.9084	3.6578	4.9084	4.3056	4.9715537	3.058	PE	763.5149	9.226998	[M*][M*H][M*K][M*NH4][M*Na]
PE 38.5	3.15254533	1.964390667	0.5637	1.2193	1.7304	2.0666	0.0013	1.6688	0.0017	1.9102	1.9627	1.8070704	0.1855	PE	765.5302	10.243003	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.1, 20.4	3.2662233	2.953053767	2.5533	2.4908	3.2756	2.8189	1.5426	2.8417	1.2858	1.844	2.6353	2.34215737	1.098	PE	765.5328	9.817995	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.0, 20.4	4.3851903	3.738690333	3.3293	3.6255	4.4381	3.7483	2.7429	0.0693	2.7176	3.3327	5.7349	3.7394904	2.3169	PE	767.5488	11.229996	[M*][M*H][M*K][M*NH4][M*Na]
PE 38.3	-0.397587433	-1.502598467	-1.6866	-1.2682	-0.8097	-1.283	-2.4758	-2.0903	-2.8009	-1.2335	-1.3264	-1.9749782	-2.9736	PE	769.5616	12.019005	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.0, 20.3	-0.001709618	-0.62039376	-1.129	-1.1266	-0.0505	-0.6101	-1.6034	-0.837	-1.8282	-1.0399	-1.1794	-1.0198167	-2.1467	PE	769.5633	11.985994	[M*][M*H][M*K][M*NH4][M*Na]
PE 19.1, 20.4	-3.085205167	-3.753096533	-3.6335	-3.0903	-2.9037	-4.0938	-4.9724	-3.0638	-5.0172	-3.6593	-3.7632	-3.0622508	-5.4001	PE	779.5476	10.651	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.1, 22.6	1.3111477	0.49303267	1.4778	0.5366	1.3859	1.2875	0.1747	0.8111	-0.3743	-0.8085	1.3535	0.45272764	-0.1667	PE	789.5328	9.579997	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.0, 22.6	2.373620333	1.756642	0.4841	1.5822	2.3037	1.4437	-0.4665	1.4309	0.1401	0.9087	1.0311	1.31536293	-0.0791	PE	791.5481	11.03	[M*][M*H][M*K][M*NH4][M*Na]
PE 40.5	1.641064967	0.956031143	0.7305	1.309	1.1833	1.277	-0.0548	0.7907	-0.5695	0.5384	0.728	0.98847647	-0.1091	PE	793.5613	11.6695	[M*][M*H][M*K][M*NH4][M*Na]
PE 40.4	1.705581	0.71455167	2.2199	1.6042	0.738	1.4604	0.5413	0.4563	-0.6689	-0.453	0.4	0.21442986	-0.8637	PE	795.5762	12.769996	[M*][M*H][M*K][M*NH4][M*Na]
PE 20.0, 20.4	-2.6840332	-3.0310508	-3.6892	-4.3077	-2.7583	-4.5208	-5.2255	-5.712	-5.5173	-4.3661	-4.5295	-4.2914905	-5.9374	PE	795.5788	12.209998	[M*][M*H][M*K][M*NH4][M*Na]
PE 18.0, 22.4	-0.37496185	-0.961845863	0.1757	-0.3002	-0.1891	-0.7943	-0.7393										

TG 49:2	-4.354924533	-5.187224667	-5.2599	-6.1465	-4	-4.2092	-4.8567	-3.5481	-4.7617	-4.662	-5.317	-4.4456501	-4.8579	TG	816.7177	17.359991	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 49:1	-2.7288793	-3.519487367	-5.9459	-4.7117	-2.6037	-3.2811	-4.7455	-2.6919	-3.7887	-3.6255	-4.7701	-3.5718162	-4.5477	TG	818.7351	17.882998	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 16:0 16:0 17:0	-7.226881367	-6.968406667	-8.8437	-6.3414	-6.8754	-7.7111	-7.8843	-6.4284	-6.8572	-7.0928	-7.7294	-6.668787	-7.4832	TG	820.7499	18.564005	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 50:6	-6.0139225	-3.924164533	-5.6776	-8.5119	-4.8266	-5.6686	-7.5784	-3.8233	-4.463	-5.0768	-4.8994	-4.6292177	-5.117	TG	822.6725	16.442995	[M*] [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 50:5	-5.6885351	-6.571187367	-5.1336	-7.7154	-4.9391	-5.1098	-6.3684	-2.8085	-3.695	-4.1302	-4.1811	-2.9084053	-4.0628	TG	824.6877	16.687006	[M*] [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 50:4	-6.185574767	-6.787691133	-5.1228	-7.3636	-5.3817	-5.3073	-6.0475	-4.147	-4.6784	-5.2952	-5.0681	-4.9261684	-4.7561	TG	826.7025	16.825994	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 50:3	-2.875914867	-3.692303667	-2.3827	-4.5609	-2.4753	-2.1174	-2.2106	-1.5778	-2.243	-2.8197	-3.2893	-2.4050923	-2.6968	TG	828.718	17.174006	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 50:2	-0.768362047	-1.568259567	-1.2616	-2.742	-0.4318	-0.1454	-1.4464	-0.349	-0.9622	-1.4073	-1.3581	-1.2671897	-1.1217	TG	830.7357	17.655008	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 16:0 16:0 18:1	0.103007633	-0.4573911	-2.7354	-1.7671	0.1041	-0.3189	-2.4997	-0.0719	-0.982	-0.862	-2.1478	-0.9504738	-1.7704	TG	832.7514	18.218996	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 16:1 17:1 18:1	-5.2811769	-6.194242467	-4.6405	-6.7339	-4.6268	-4.5196	-4.6937	-3.3263	-4.1258	-4.5458	-4.4855	-4.1487776	-4.0853	TG	842.7341	17.435995	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 16:0 17:1 18:1	-2.538505567	-3.310766233	-2.8111	-4.3636	-2.0023	-1.864	-2.4493	-1.4169	-2.2507	-2.6566	-2.5571	-2.4379717	-2.5321	TG	844.7511	17.94399	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 51:1	-4.011098833	-5.1587505	-6.8631	-5.923	-3.9488	-4.4	-6.2946	-3.5602	-4.6272	-4.5528	-5.8089	-4.3219929	-5.3659	TG	846.7659	18.585001	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 52:7	-6.031499833	-6.945126333	-5.1779	-8.3282	-5.0113	-5.4108	-6.5672	-3.1694	-4.0308	-4.4437	-4.2747	-3.8764126	-4.5353	TG	848.6881	16.489994	[M*] [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 14:0 16:0 22:6	-3.4340655	-4.324772533	-3.6586	-4.468	-2.8238	-4.1321	-4.5571	-1.8214	-2.7372	-3.5454	-3.076	-1.3891531	-3.2634	TG	850.7036	16.744997	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 16:1 18:1 18:2	-4.325968133	-4.3941613	-2.7512	-4.7848	-3.1962	-2.6281	-3.016	-1.3773	-2.107	-2.9674	-2.7543	-2.1578548	-2.2423	TG	854.7334	17.278994	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 16:1 18:1 18:1	-1.256034833	-2.068935333	0.0982	-2.7069	-0.7089	0.0655	0.2834	0.3385	-0.0759	-0.9493	-0.1436	-0.5556075	0.0289	TG	856.7513	17.728006	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 16:0 18:1 18:1	0.24974823	-0.43859418	-0.2013	-1.3613	0.5783	0.6868	-0.1315	0.967	0.4693	-0.0695	0.1702	0.0408713	0.2639	TG	858.767	18.295	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 17:1 18:1 18:1	-4.275062467	-4.820599867	-2.8864	-5.6157	-3.5416	-2.1733	-2.1876	-1.9711	-2.2493	-3.6492	-2.9966	-2.9714979	-2.2943	TG	870.7666	18.007998	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 53:2	-5.5575	-6.36232967	-5.1336	-7.8277	-5.1879	-4.5632	-4.9937	-4.3711	-4.634	-5.7505	-4.9711	-5.4211869	-4.8232	TG	872.7812	18.07798	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 54:8	-6.6846192	-7.483688667	-5.4388	-8.2588	-5.8076	-5.8479	-6.1681	-2.7788	-3.9825	-4.1502	-4.2233	-2.9704444	-4.6263	TG	874.703	16.552	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 54:7	-3.551961233	-4.3120829	-3.0821	-8.5379	-2.6745	-2.7574	-3.6706	-1.3702	-2.0489	-2.1781	-2.3037	-2.4828269	-2.6611	TG	876.7189	16.849	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 16:0 18:1 20:5	-3.771104867	-4.847317367	-2.2546	-5.9422	-3.2985	-2.9996	-2.2971	-0.4643	-1.0624	-1.7124	-1.4147	-1.2531719	-1.6793	TG	878.7343	17.15301	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 54:4	-2.4985638	-3.331675167	-0.4436	-3.419	-1.8458	-0.3617	-0.5465	0.0082	-0.1945	-1.5721	-0.9320997	-0.7718	TG	882.7669	17.808	[M*] [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺	
TG 18:1 18:1 18:1	-0.656089793	-1.828090667	1.3847	-2.118	-0.3818	1.2324	1.5119	0.5935	0.8692	-0.8522	1.1739	-0.4626439	1.1095	TG	884.7826	18.401999	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 18:1 18:2 19:1	-8.262153	-8.59385	-5.8459	-8.3477	-6.4102	-5.5931	-6.0842	-4.0711	-5.4767	-6.0472	-5.6295	-5.2834669	-5.9946	TG	896.7803	18.119001	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 56:8	-4.6594531	-5.3208815	-3.4478	-6.4469	-3.6663	-3.4204	-4.0338	-1.3256	-3.0283	-2.1785	-2.4887	-2.009372	-3.6918	TG	902.734	16.943995	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 56:7	-2.139832167	-2.905471833	-2.9213	-4.5293	-1.1976	-1.4558	-3.1395	-0.4396	-1.3398	-1.1425	-1.8012	-1.2694384	-2.4349	TG	904.7496	17.336	[M*] [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 56:5	-4.739195533	-4.063999767	-2.4503	-0.0685	-3.274	-2.8059	-2.7759	-2.2175	-2.579	-3.8648	-2.567	-2.9384721	-3.0252	TG	908.7819	17.958006	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 18:1 18:1 20:2	-5.483894067	-6.343381267	-3.9373	-6.2226	-4.6466	-3.5993	-4.5184	-2.9716	-4.0237	-4.6531	-4.3733	-4.9659943	-4.694	TG	910.7967	18.55601	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 58:12	-9.333785333	-9.8729145	-8.2985	-11.494	-7.9227	-8.5118	-9.9625	-4.6085	-6.0316	-5.6824	-6.0719	-5.3230393	-7.8382	TG	922.7037	16.312994	[M*] [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 58:11	-7.327782867	-8.065139	-5.9162	-8.8261	-6.6288	-6.5758	-6.4581	-2.2774	-3.8472	-3.5757	-4.0221	-3.242787	-5.3288	TG	924.7192	16.549006	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 58:10	-7.163925167	-8.688527	-4.8635	-9.8067	-6.0457	-5.5712	-4.9617	-2.2108	-3.4273	-3.6394	-3.0976	-3.1797288	-4.3085	TG	926.7344	16.729002	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 58:9	-5.435875433	-6.236124667	-4.1262	-6.5008	-4.5915	-4.3035	-3.9429	-2.276	-2.4138	-2.6445	-2.5978	-2.2452888	-3.476	TG	928.7492	17	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 18:1 18:2 22:5	-7.3356972	-8.145928667	-5.6099	-8.5367	-6.3613	-5.6787	-6.8257	-1.3206	-4.9605	-4.8811	-5.3992	-4.0318037	-6.1136	TG	930.7628	17.174006	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 58:7	-4.689435233	-5.2281487	-4.9442	-6.6029	-3.4862	-3.4694	-3.9822	-2.085	-3.2308	-3.4692	-3.7411	-3.2866402	-4.4277	TG	932.7817	17.939005	[M*] [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 58:6	-5.387346933	-5.948433567	-2.703	-6.2226	-4.3915	-3.3961	-2.9055	-2.3534	-4.1274	-4.0326	-3.9828	-3.284193	-3.904	TG	934.7972	18.183	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 60:12	-7.818525967	-8.933786667	-5.5274	-9.7794	-7.2009	-6.7882	-6.4925	-3.1351	-4.5167	-4.5866	-3.7509	-4.0228087	-5.5766	TG	950.7345	16.588007	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺ [M+Na] ⁺
TG 62:13	-8.213945	-8.938683	-6.6404	-9.6743	-7.0073	-7.9461	-4.1247	-5.5773	-5.0779	-5.043	-5.0991077	-7.3708	TG	976.7489	16.729007	[M*] [M+H] ⁺ [M+K] ⁺ [M+NH4] ⁺	
TG 18:1 22:5 22:6	-8.198062167	-9.040402	-6.3037	-9.8045	-6.9682	-6.6993	-7.7899	-4.3272	-5.9451	-5.7095	-5.5828	-5.1209686	-7.3122	TG	978.7639	16.877995	[M*] [M+H] ⁺ [M+NH4] ⁺

Suppl. Table S2. Number of differentially expressed lipids in the different treatments.

Treatments in which MLT cytoprotective effects were investigated are shown in bold. Statistical significance was investigated by moderated t-test and differential expression was identified by fold-change values as described in the text.

Cell conditions where MLT was used are highlighted in bold.

	Treatment	Upregulated Lipids	Downregulated Lipids	Total lipids
Individual treatments	MLT Vs CTL	1	158	159
	Cd Vs CTL	28	69	97
	PA Vs CTL	5	148	153
	OA Vs CTL	40	100	140
	OAPA Vs CTL	49	135	184
Combinatorial treatments	Cd+MLT Vs CTL	28	154	182
	Cd+PA Vs CTL	72	80	152
	Cd+OA Vs CTL	40	141	181
	Cd+OAPA Vs CTL	49	163	212
	Cd+PA+MLT Vs CTL	66	100	166
	Cd+OA+MLT Vs CTL	59	101	160
	Cd+OAPA+MLT Vs CTL	37	182	219
Combinatorial treatments (MLT effect on lipotoxicity agents)	Cd+MLT Vs Cd	16	168	184
	Cd+PA+MLT Vs Cd+PA	14	56	70
	Cd+OA+MLT Vs Cd+OA	113	11	124
	Cd+OAPA+MLT Vs Cd+OAPA	4	55	59

Suppl. Table S3. Top 20 significantly down- and upregulated lipid species revealed by pairwise expression analysis between lipotoxicity treatments and MLT cytoprotective effect compared to control cell condition.

Suppl. Table S3A. MLT Vs CTL top 20 downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
LPC 18:3/0:0	5.3295	-1.5895
PC 22:6_22:6	2.7547	-1.4853
PC 38:2	2.1914	-1.4524
PC 37:6	2.3960	-1.4307
FAHFA 18:0_20:2	5.1722	-1.2933
PC 31:1	2.1914	-1.2852
PC 38:7	2.7371	-1.2649
PC 36:7	3.2313	-1.2253
TG 44:3	4.0111	-1.1966
LPC 16:1/0:0	5.3295	-1.1885
LPC 16:0/0:0	5.0148	-1.1735
TG 18:1_18:1_18:1	5.3295	-1.1720
PC 34:4	4.7022	-1.1313
SM d43:2	3.6002	-1.1286
PC 39:7	4.4016	-1.1179
SM d40:2	4.0201	-1.1108
TG 42:1	4.4109	-1.1099
LPC 18:0/0:0	4.9645	-1.1011
ACar 20:0	4.1101	-1.0814
TG 53:2	5.2533	-1.0804

Suppl. Table S3B. MLT Vs CTL top 20 upregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
TG 56:5	2.5795	0.6752

Suppl. Table S3C. Cd Vs CTL top 20 downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
FAHFA 18:1_20:3	4.7649	-3.3972
PG 18:1_18:2	4.7649	-3.2384
Cer_NS d18:2_14:0	4.6448	-3.0131
PC 14:0_16:0	6.0084	-2.4152
PG 16:0_18:1	6.4431	-2.4150
Cer_NS d18:2_22:0	3.8472	-2.2837
PE 18:1_18:2	2.9452	-2.0899
Cer_NS d18:2_16:0	4.0203	-2.0556
PE 16:0_20:5	5.9135	-2.0339
Cer_NDS d16:0_26:2	3.6990	-1.9635
FA 19:1	3.6990	-1.9419
PI 16:0_20:5	4.8878	-1.8228
Cer_NS d16:1_16:0	3.8604	-1.8093
FA 18:1	3.7599	-1.7879
PE 16:0_20:4	6.0485	-1.7772
PE 18:0_17:1	5.2108	-1.7454
PE 20:0_20:4	3.2415	-1.6778
PC 18:1_18:2	3.8604	-1.6764
ACar 20:0	4.2254	-1.6579
LPC 16:0/0:0	3.3531	-1.6553

Suppl. Table S3D. Cd Vs CTL top 20 upregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
Cer_NDS d18:0_18:0	3.6990	2.1398
TG 48:4	2.3241	1.9228
TG 58:12	3.9920	1.4111
FA 16:0	2.5438	1.2854
TG 18:1_22:5_22:6	4.1867	1.2299
TG 62:13	4.6658	1.2067
TG 58:7	3.6047	1.2033
FA 18:0	3.0271	1.1911
TG 50:6	4.7622	1.1874
TG 52:7	4.6658	1.0202
TG 45:2	2.3999	1.0009
TG 58:6	2.2496	0.9959
TG 56:8	4.1541	0.9932
TG 12:0_12:0_16:0	4.1417	0.9576
TG 56:7	4.2254	0.9422
TG 46:3	4.1867	0.9053
TG 54:7	4.4469	0.8774
TG 54:8	4.7622	0.8770
DG 18:1_22:6	2.2160	0.8758
TG 58:9	4.4243	0.8444

Suppl. Table S3E. Cd+MLT Vs CTL top 20 downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
PC 38:2	2.0047	-3.2556
LPC 18:3/0:0	6.7447	-3.2555
Cer_NS d18:2_14:0	4.4574	-3.0545
LPE 16:0	6.6691	-3.0221
LPC 16:0/0:0	6.9137	-2.9725
PG 16:0_18:1	4.8418	-2.7117
Cer_NS d18:2_24:1	5.5517	-2.6681
PC 14:0_16:0	5.9660	-2.6634
PC 29:0	6.4657	-2.6563
BMP 18:1_22:6	5.6807	-2.5976
PC 30:1	6.2692	-2.5882
SM d32:2	6.6103	-2.5577
PC 42:6	3.5508	-2.4521
FAHFA 18:1_20:3	4.1267	-2.3993
LPC 0:0/18:2	3.9626	-2.3629
Cer_NS d18:2_22:0	3.9081	-2.3607
ACar 20:0	5.1991	-2.2959
SM d41:2	5.8721	-2.2676
Cer_NDS d16:0_26:2	3.9341	-2.2495
SM d30:1	5.0515	-2.2453
ACar 20:1	5.3954	-2.2404
PE 16:0_20:5	5.6955	-2.2229

Suppl. Table S3F. Cd+MLT Vs CTL top 20 upregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
TG 58:11	2.6668	3.7521
TG 58:12	6.5282	3.6514
TG 58:10	3.2476	3.5244
TG 62:13	6.6103	3.1360
TG 60:12	2.0883	3.0318
Cer_NDS d18:0_18:0	4.0633	2.8333
TG 58:9	6.6103	2.7914
TG 54:8	5.0449	2.5344
TG 18:1_22:5_22:6	5.7072	2.4886
TG 56:8	6.5282	2.4809
TG 18:1_18:2_22:5	2.8627	2.4545
TG 44:3	5.6084	2.0751
TG 16:0_18:1_20:5	3.2832	2.0587
PC 20:5_22:6	2.1853	1.9540
TG 52:7	6.0615	1.5878
TG 48:4	2.1537	1.5619
TG 50:5	5.1335	1.5583
TG 54:7	5.8721	1.3738
TG 58:6	2.9129	1.3547
TG 46:3	5.8782	1.3030
TG 58:7	3.1571	1.2201
TG 42:2	3.6020	1.2184

Suppl. Table S3G. PA Vs CTL top 20 downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
TG 14:0_16:0_22:6	3.5834	-3.0340
ACar 20:0	5.5291	-2.6893
TG 58:10	2.7193	-2.6428
TG 50:6	6.0322	-2.4980
TG 46:1	6.0553	-2.4033
TG 56:7	6.1643	-2.3895
TG 14:0_16:0_18:1	6.4478	-2.3876
TG 52:7	5.6989	-2.2967
TG 54:7	4.9279	-2.2859
TG 53:2	2.9415	-2.2719
TG 16:0_18:1_20:5	2.8117	-2.1711
TG 58:12	3.0553	-2.1603
TG 48:2	5.6268	-2.1153
TG 50:5	3.2568	-2.0268
TG 49:1	6.4478	-1.9828
TG 50:2	6.1643	-1.9736
TG 46:2	5.7031	-1.9568
TG 44:0	5.7599	-1.9333
TG 44:1	5.7632	-1.9264
TG 58:7	4.3666	-1.9134

Suppl. Table S3H. PA Vs CTL top 20 upregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
CE 22:6	3.5973	1.1691
PC 20:5_22:6	2.3734	1.1379
PC 16:1_19:2	2.3685	1.0456
TG 42:2	2.8489	0.8506
TG 44:3	3.2520	0.7897

Suppl. Table S3I. OA Vs CTL top 20 downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
ACar 20:0	6.4769	-5.5967
ACar 18:0	6.1169	-4.3779
LPC 18:3/0:0	7.0020	-3.9351
LPE 16:0	6.7676	-3.6609
Cer_NS d18:2_22:0	5.1340	-3.4357
TG 46:0	3.1864	-3.3909
ACar 16:0	6.0794	-3.3637
PC 38:6	3.3489	-3.3219
TG 49:1	7.0020	-3.2170
TG 44:0	6.3060	-3.1737
TG 14:0_16:0_18:1	6.1409	-2.9940
TG 51:1	6.5540	-2.8521
TG 16:0_16:0_18:1	6.5540	-2.8384
TG 50:1	6.7256	-2.8245
PG 16:0_18:1	5.2944	-2.7782
PC 34:5	6.1105	-2.7404
PC 36:5	5.7335	-2.7300
PC 29:0	6.5043	-2.6035
PC 36:7	2.1464	-2.5807
TG 14:0_15:0_16:0	2.4838	-2.4234

Suppl. Table S3J. OA Vs CTL top 20 upregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
TG 58:6	4.1784	2.6843
TG 44:3	4.4617	2.6176
DG 18:1_18:1	4.9180	2.4484
TG 58:10	2.5679	2.3005
TG 56:5	4.6739	2.2889
TG 44:2	6.5043	2.2214
TG 42:2	4.7212	2.1412
TG 46:3	5.8813	2.0994
TG 54:4	6.5043	2.0550
TG 18:1_18:1_18:1	6.5043	2.0408
TG 17:1_18:1_18:1	3.4702	1.9887
DG 18:1_18:2	5.9003	1.9870
TG 18:1_22:5_22:6	4.2531	1.8944
TG 18:1_18:2_22:5	2.3365	1.7258
TG 62:13	4.6045	1.5736
DG 18:1_20:3	2.8329	1.5536
TG 18:1_18:1_20:2	4.1265	1.5464
TG 16:0_18:1_20:5	2.8204	1.5165
DG 18:1_22:5	3.5571	1.5017
SM d42:1	2.9138	1.4998

Suppl. Table S3K. OAPA Vs CTL top 20 downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
FAHFA 18:1_20:3	4.7649	-3.3972
PG 18:1_18:2	4.7649	-3.2384
Cer_NS d18:2_14:0	4.6448	-3.0131
PC 14:0_16:0	6.0084	-2.4152
PG 16:0_18:1	6.4431	-2.4150
LPC 18:3/0:0	6.1306	-2.4131
PC 36:7	2.2184	-2.3200
Cer_NS d18:2_22:0	3.8472	-2.2837
PC 17:2_18:3	4.2086	-2.2412
LPC 16:0/0:0	6.3013	-2.2198
PE 18:1_18:2	2.9452	-2.0899
Cer_NS d18:2_16:0	4.0615	-2.0485
PE 16:0_20:5	5.9135	-2.0339
Cer_NDS d16:0_26:2	3.6990	-1.9635
PC 33:5	2.8494	-1.9609
FA 19:1	3.6990	-1.9419
LPE 16:0	5.8438	-1.8298
PI 16:0_20:5	4.8878	-1.8228
Cer_NS d16:1_16:0	3.8604	-1.8212
PC 37:6	2.6395	-1.7912

Suppl. Table S3L. OAPA Vs CTL top 20 upregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
TG 44:2	6.5994	3.8133
TG 42:2	4.8126	3.5313
TG 44:3	5.5056	3.3123
TG 42:1	5.8438	3.0545
TG 18:1_18:2_19:1	2.1068	2.6691
DG 18:1_18:1	4.5145	2.1891
Cer_NDS d18:0_18:0	3.6990	2.1398
TG 54:4	6.1306	2.1369
TG 17:1_18:1_18:1	3.5901	2.1018
TG 58:6	3.3111	1.9912
TG 12:0_13:0_18:1	2.8098	1.9417
TG 56:5	4.1687	1.9333
TG 18:1_18:1_18:1	6.1306	1.8885
TG 18:1_18:1_20:2	4.3182	1.8844
DG 18:1_18:2	3.9869	1.7195
TG 18:1_18:2_22:5	2.0652	1.6570
TG 45:2	3.1367	1.5691
TG 12:0_12:0_16:0	4.8852	1.5115
TG 18:1_22:5_22:6	4.6633	1.4987
TG 62:13	4.5432	1.4933

Suppl. Table S3M. Cd+PA Vs CTL top 20 downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
PE 16:0_20:5	7.5887	-4.865718
SM d43:2	2.0160	-4.670447
PE 16:0_20:4	7.2186	-4.1835527
PC 14:0_16:0	7.5440	-4.029003
Cer_NS d18:2_22:0	7.5427	-3.7361817
Cer_NS d18:2_14:0	6.5975	-3.5434818
PE 16:0_20:3	2.9905	-3.2607598
PC 16:0_20:5	6.8196	-2.8711705
PE 18:0_22:6	4.6421	-2.8400853
Cer_NS d18:2_24:1	7.5887	-2.6244915
PI 16:0_20:4	6.6418	-2.4616947
LPC 16:0/0:0	5.9720	-2.370727
SM d34:2	7.5887	-2.3612847
Cer_NDS d16:0_26:2	5.2857	-2.3291416
PE 20:0_20:4	2.0821	-2.277036
ACar 20:0	4.4299	-2.2221107
PE 32:1	2.1229	-2.2130044
Cer_NS d18:2_16:0	7.5887	-2.1960049
SM d32:1	7.5887	-2.1107304
PI 16:0_20:5	2.2842	-2.056026

Suppl. Table S3N. Cd+PA Vs CTL top 20 upregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
TG 44:3	6.9079	5.8743753
TG 42:2	6.9608	5.2962346
TG 58:11	3.1620	5.050407
TG 58:10	3.7848	4.953147
TG 58:12	5.6994	4.7253075
TG 60:12	2.7096	4.4834433
TG 18:1_18:2_19:1	2.8147	4.191053
TG 58:9	6.9608	4.1599236
TG 18:1_18:2_22:5	3.7079	4.1051083
TG 62:13	6.9608	4.0892615
TG 54:8	6.8154	3.900481
TG 18:1_22:5_22:6	6.3234	3.8708644
TG 42:1	6.4442	3.863572
TG 44:2	6.9608	3.666224
TG 56:8	6.9079	3.3338966
TG 16:0_18:1_20:5	4.0500	3.3068135
TG 46:3	6.9608	3.0782251
TG 58:6	4.0543	3.0339837
TG 48:4	3.2515	3.0277185
TG 16:1_18:1_18:2	2.6960	2.947785

Suppl. Table S3O. Cd+OA Vs CTL top 20 downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
BMP 22:6_22:6	-52.6117	-5.7173
PE 16:0_20:5	-29.1559	-4.8657
ACar 20:0	-25.8415	-4.6916
PC 34:5	-22.2310	-4.4745
PC 36:7	-17.0863	-4.0948
PC 29:0	-16.7884	-4.0694
PC 14:0_16:0	-16.3249	-4.0290
Cer_NS d18:2_22:0	-13.3261	-3.7362
PC 33:5	-12.8065	-3.6788
Cer_NS d18:2_14:0	-11.6599	-3.5435
ACar 18:0	-10.3724	-3.3747
LPE 16:0	-9.9880	-3.3202
PC 30:1	-9.7936	-3.2918
PE 16:0_20:3	-9.5849	-3.2608
PC 32:3	-9.4129	-3.2346
PC 36:5	-8.6663	-3.1154
TG 14:0_16:0_18:1	-8.6257	-3.1086
PE 32:1	-7.5352	-2.9136
PE 42:5	-7.4645	-2.9000
PC 16:0_20:5	-7.3166	-2.8712

Suppl. Table S3P. Cd+OA Vs CTL top 20 upregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC
Cer_NDS d18:0_16:0	7.5887	2.7288
FAHFA 18:1_20:3	7.5252	2.5127
TG 58:6	3.7078	2.4819
DG 18:1_18:1	4.6725	2.2912
TG 58:10	2.3692	2.2022
TG 18:1_18:1_18:1	6.9010	2.1680
TG 17:1_18:1_18:1	3.6471	2.0875
PI 18:1_18:1	6.7007	2.0238
TG 56:5	3.7407	1.9633
TG 54:4	6.4496	1.9521
PC 20:5_22:6	2.4673	1.9250
TG 16:1_18:1_18:1	6.3516	1.5394
CE 22:6	3.4525	1.4967
TG 58:9	4.8300	1.4930
TG 16:0_18:1_20:5	2.6545	1.4740
SM d36:0	2.2198	1.4302
SM d34:0	6.3821	1.2862
DG 18:1_18:2	4.5993	1.2859
PC 42:10	2.9897	1.2242
PC 42:9	4.7636	1.2119

Suppl. Table S3Q. Cd+OAPA Vs CTL top 20 downregulated lipids

Compound	-Log10 adj pvalue	Log2 FC
ACar 20:0	5.7186	-4.9251
ACar 18:0	6.1937	-4.2153
ACar 16:0	6.2177	-4.1042
PC 29:0	6.5217	-3.8217
PE 16:0_20:5	7.3330	-3.6881
ACar 20:1	5.8451	-3.6751
PC 14:0_16:0	7.8111	-3.6559
BMP 22:6_22:6	3.1876	-3.5581
PC 30:1	5.7323	-3.5552
PC 34:5	4.1731	-3.4888
PC 33:5	2.8206	-3.4844
PE 16:0_20:4	6.6816	-3.1948
LPE 16:0	6.8979	-3.1936
SM d44:2	3.4926	-3.1663
Cer_NS d18:2_14:0	6.3433	-3.1395
LPC 18:3/0:0	6.8979	-3.1229
PE 32:1	2.6443	-3.0028
PC 32:3	6.5991	-2.9749
PC 36:7	4.6634	-2.9744
BMP 18:1_22:6	3.6414	-2.8993

Suppl. Table S3R. Cd+OAPA Vs CTL top 20 upregulated lipids

Compound	-Log10 adj pvalue	Log2 FC
Cer_NDS d18:0_16:0	6.0973	4.3391
Cer_NDS d18:0_22:0	3.4040	3.7366
DG 18:1_18:1	6.8979	3.6279
DG 18:1_18:2	2.6070	3.4806
DG 18:1_22:5	6.2022	3.3022
DG 18:1_22:6	6.5217	3.1513
FAHFA 18:1_20:3	2.1809	3.1018
MGDG 13:1_18:1	6.5217	3.0220
PC 20:5_22:6	5.9905	2.9452
PI 18:0_20:3	2.1156	2.7854
PI 18:1_18:1	3.7642	2.7087
TG 14:0_16:0_22:6	4.9654	2.7045
TG 16:0_18:1_20:5	6.5217	2.6367
TG 16:1_17:1_18:1	3.0647	2.6038
TG 16:1_18:1_18:1	2.8599	2.3752
TG 16:1_18:1_18:2	6.5217	2.3041
TG 17:1_18:1_18:1	5.6925	2.2530
TG 18:1_18:1_18:1	5.5583	2.2267
TG 18:1_18:1_20:2	2.2997	2.2181
TG 18:1_18:2_19:1	3.2299	2.1602

Supplementary Table S4. Significantly downregulated and upregulated lipid species during the MLT cytoprotective effect in HepaRG hepatocytes exposed to Cd and FFA-induced lipotoxicity (Cd+FFA) *.

* Top-20 significantly different annotations are listed as identified by pairwise expression analysis.

A

Cd+PA+MLT Vs Cd+PA					
Upregulated lipids			Downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC	Compound	-Log10 adj pvalue	Log2 FC
FA 20:1	5.8986	2.3724	PI 16:0_20:5	4.3101	-2.1366
FA 22:0	5.8987	2.1377	TG 58:12	2.6860	-1.8066
PC 36:6	2.6727	1.6400	TG 62:13	5.0169	-1.7935
SM d44:2	2.3347	1.6385	TG 58:11	4.2600	-1.4817
FAHFA 18:1_20:3	5.1450	1.2562	PI 18:0_20:3	4.8556	-1.4628
FAHFA 18:0_20:2	5.8967	1.2531	TG 18:1_22:5_22:6	2.8085	-1.3671
FAHFA 16:0_18:2	5.3682	1.0251	PI 18:1_18:1	4.1106	-1.2726
ACar 20:1	3.6522	0.9835	TG 12:0_12:0_16:0	4.2501	-1.2238
PE 18:1_18:1	2.5298	0.9122	SM d42:0	4.0603	-1.2235
FA 20:3	4.9264	0.8541	PI 18:0_22:6	5.1949	-1.2178
FA 16:1	4.2618	0.7636	CE 22:6	2.8795	-1.2039
ACar 20:0	2.2353	0.7020	TG 58:7	3.6530	-1.1968
PC 33:0	3.0266	0.6918	TG 18:1_18:2_22:5	2.9064	-1.1530
PC 18:1_18:1	4.2607	0.6360	TG 56:7	4.0662	-1.0950
			TG 42:1	4.0251	-1.0826
			TG 58:9	3.6975	-1.0622
			TG 60:12	2.0039	-1.0599
			PI 18:0_20:4	5.7088	-1.0463
			DG 16:0_20:5	2.3635	-1.0335
			PI 18:0_22:5	4.7376	-1.0192

B

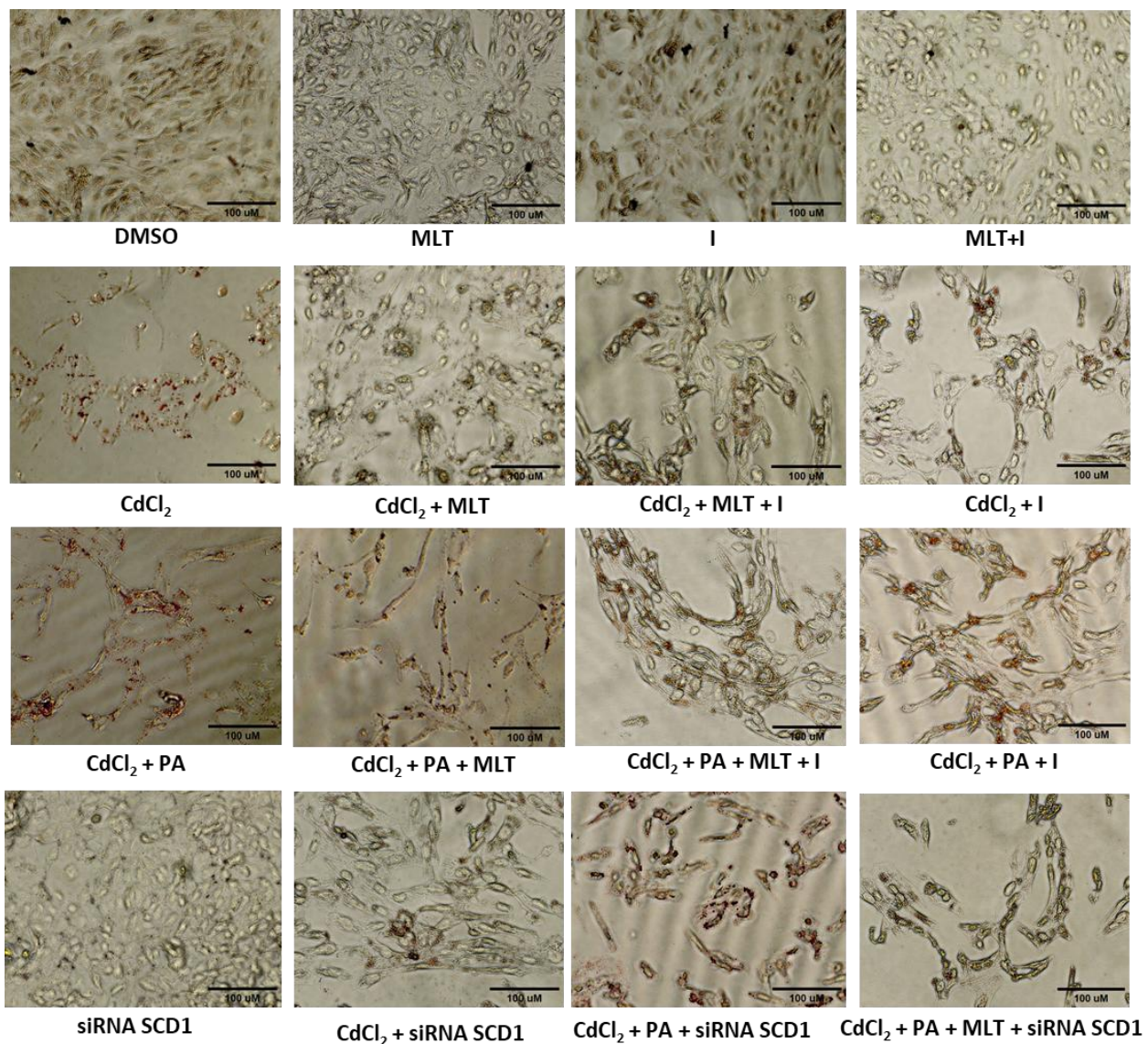
Cd+OA+MLT Vs Cd+OA

Upregulated lipids			Downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC	Compound	-Log10 adj pvalue	Log2 FC
BMP 22:6_22:6	3,5077	3,9842	CE 22:6	3,0204	-1,6910
TG 58:12	3,6466	3,8905	PI 18:1_18:1	6,0597	-1,6374
LPC 0:0/18:2	3,8389	3,1734	PC 42:10	3,4246	-1,2181
TG 62:13	5,9206	2,9031	TG 58:6	2,1921	-1,0773
TG 60:12	3,1393	2,7416	TG 14:0_14:0_15:0	3,3160	-1,0461
TG 50:6	6,0727	2,6791	FA 20:0	6,0597	-0,8421
PC 36:7	3,8945	2,5403	PC 42:9	4,1437	-0,8229
TG 58:11	5,2237	2,4360	PC 42:6	2,1253	-0,7747
TG 52:7	5,9818	2,2925	ACar 16:0	3,6415	-0,7044
TG 18:1_22:5_22:6	6,0727	2,2071	TG 14:0_15:0_18:1	2,0751	-0,6002
DG 16:0_20:5	3,4791	2,1926	FA 22:0	5,3441	-0,5948
TG 50:5	5,1799	2,1873			
SM d30:0	5,2962	2,1175			
DG 18:1_22:6	5,2838	2,0672			
ACar 20:0	4,1319	1,9808			
Cer_NS d18:2_14:0	5,6555	1,9529			
TG 48:4	2,8715	1,9478			
TG 54:8	6,2293	1,9447			
PC 34:5	4,2566	1,9144			
PE 16:0_20:5	4,5404	1,8878			

C

Cd+OAPA+MLT Vs Cd+OAPA					
Upregulated lipids			Downregulated lipids		
Compound	-Log10 adj pvalue	Log2 FC	Compound	-Log10 adj pvalue	Log2 FC

SM d44:2	2,3347	1,6385	FAHFA 16:0_18:2	5,5855	-2,1853
ACar 20:1	3,6525	0,9835	TG 58:12	2,6861	-1,8066
ACar 20:0	2,2135	0,7020	TG 62:13	5,0169	-1,7935
PC 18:1_18:1	4,2601	0,6360	TG 58:11	4,2601	-1,4817
			FAHFA 18:1_20:3	5,1562	-1,3989
			TG 18:1_22:5_22:6	2,8085	-1,3671
			TG 12:0_12:0_16:0	4,2601	-1,2075
			CE 22:6	2,8796	-1,2039
			TG 58:7	3,6531	-1,1968
			TG 18:1_18:2_22:5	2,9065	-1,1530
			FAHFA 2:0_16:2	5,1562	-1,1493
			PI 17:0_20:4	2,8933	-1,1192
			TG 56:7	4,0662	-1,0950
			TG 42:1	4,0251	-1,0826
			TG 58:9	3,6975	-1,0622
			TG 60:12	2,0040	-1,0599
			PI 16:0_20:4	4,2935	-1,0548
			FAHFA 2:0_20:4	4,6785	-1,0386
			DG 16:0_20:5	2,3635	-1,0335
			DG 18:1_22:6	2,9281	-0,9855



Suppl. Figure S4. Oil Red O Staining of HepaRG Cells Treated with CD and PA in the Presence of SCD1 Inhibitor or siRNA. Microscopy images of Light microscopy images of Oil Red O (ORO) and hematoxylin stained cells to identify lipid droplets and cell nucleus, respectively (40X magnification).