

SUPPORTING INFORMATION

Lipid Coverage in Nanospray Desorption Electrospray Ionization Mass Spectrometry Imaging (nano-DESI MSI) of Mouse Lung Tissues

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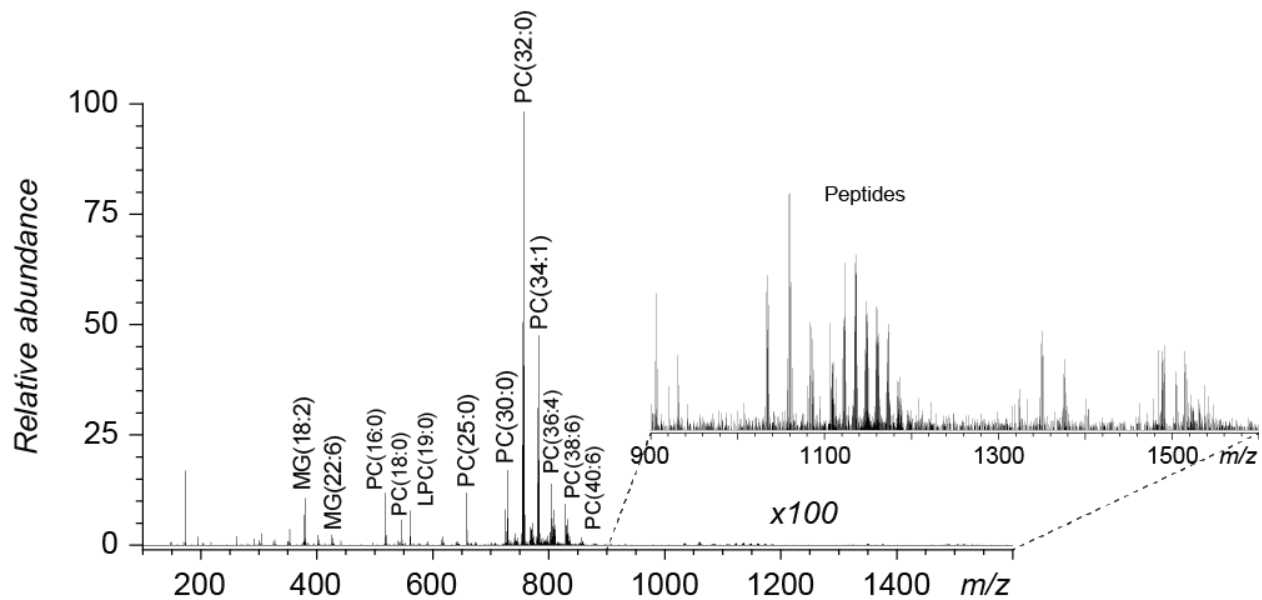


Figure S1. A sample Nano-DESI mass spectrum of mouse lung in positive mode

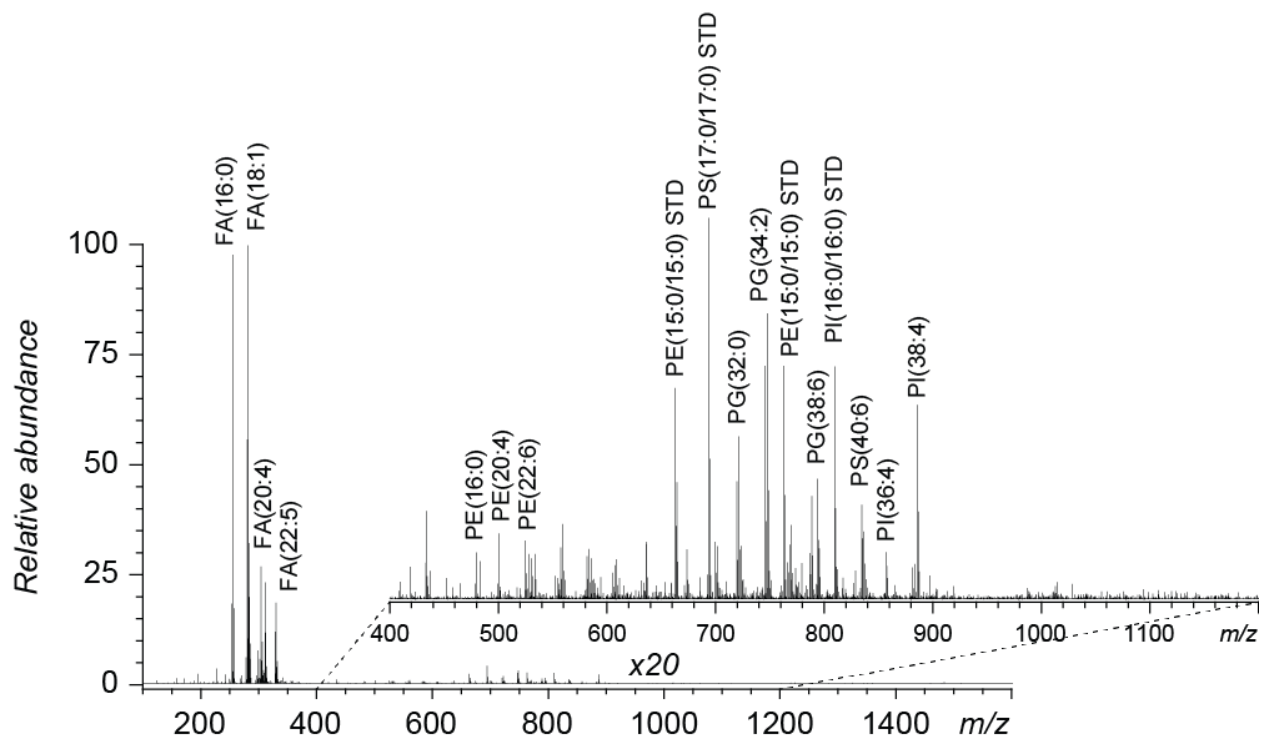
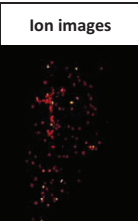
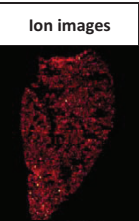
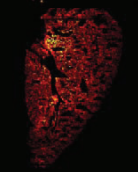
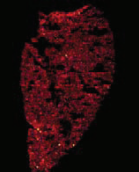
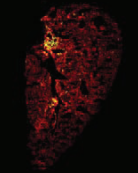
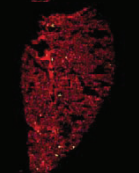
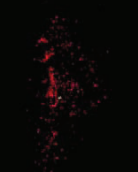

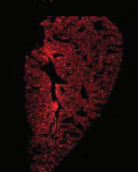
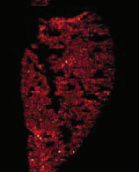
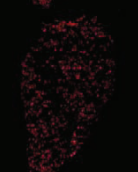
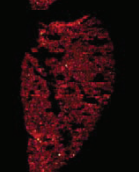

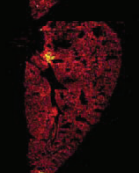

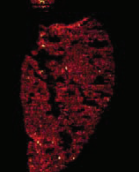


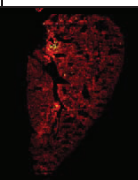
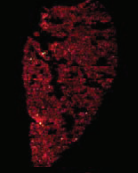
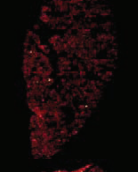
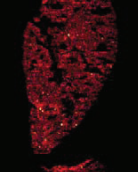
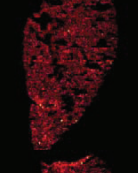



Figure S2. A sample Nano-DESI mass spectrum of mouse lung in negative mode

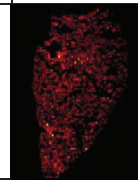
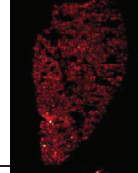
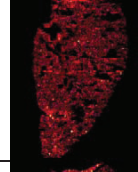
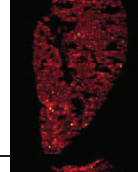
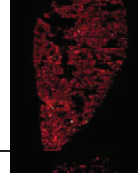
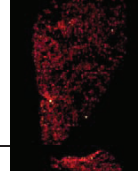
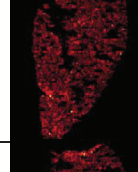
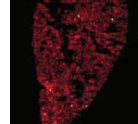
Table S1. Internal standards used in the experiments and their concentration in the extraction solvents

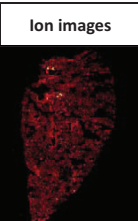
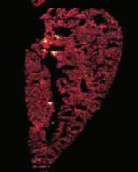
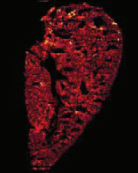
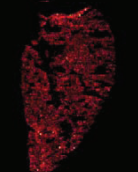
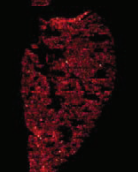
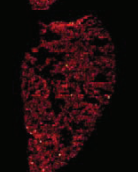

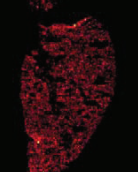
Ionization technique	Standard	Exact m/z	Adduct	Concentration (uL)
Positive mode	Acetylcholine-1,1,2,2-d4	150.1432	[M] ⁺	10
	LPC 19:0	560.3688	[M+Na] ⁺	0.5
	PC(12:0/13:0)	658.4428	[M+Na] ⁺	1
Negative mode	Oleic Acid-d17	298.3548	[M-H] ⁻	5
	Arachidonic Acid-d8	311.2826	[M-H] ⁻	1
	PE(15:0/15:0)	662.4762	[M-H] ⁻	1
	PS(17:0/17:0)	693.4702	[M-H] ⁻	1
	PG(15:0/15:0)	762.5282	[M-H] ⁻	0.2
	PI(16:0/16:0)	809.5177	[M-H] ⁻	0.4

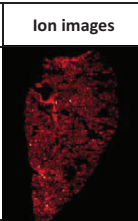
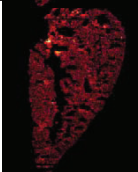
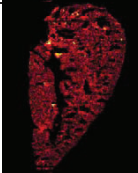
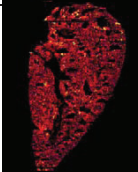
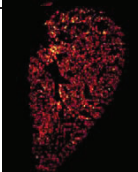
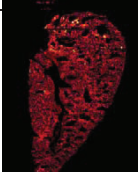
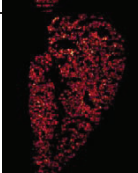
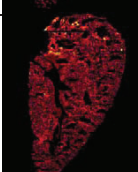
Table S2. Lipid and metabolite signals observed by Nano-DESI MS

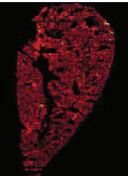
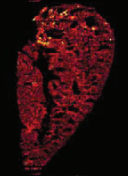
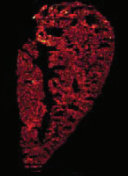

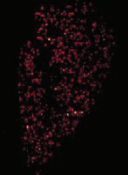

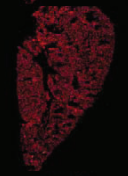

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct	Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
1		146.0452	MB	1	Glutamate	[M-H]-	9		255.1606	MB	9	5-Nonyltetrahydro-2-oxo-3-furancarboxylic acid	[M-H]-
2		148.0044	MB	2	Taurine	[M+Na]+	10		255.2317	FA(16:0)	10	palmitic acid	[M-H]-
3		159.0283	MB	3	Hypoxanthine	[M+Na]+	11		267.0723	FA	11	3-Deoxy-D-glycero-D-galacto-2-nonulosonic acid	[M-H]-
4		175.0240	MB	4	L-Ascorbic acid	[M-H]-	12		275.2003	FA(18:4)	12	Stearidonic acid	[M-H]-
5		203.0532	MB	5	Glucose	[M+Na]+	13		277.2161	FA(18:3)	13	calendic acid	[M-H]-
6		204.0312	MB	6	Xanthurenic acid	[M-H]-	14		279.2317	FA(18:2)	14	otadecadienoic acid	[M-H]-
7		215.0318	MB	7	D-Glucose	[M-H]-	15		280.0928	MB	15	sn-glycero-3-Phosphocholine	[M+Na]+
8		237.2212	FA	8	cis-11-Hexadecenal	[M-H]-	16		281.2472	FA(18:1)	16	oleic acid	[M-H]-


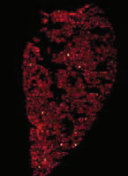
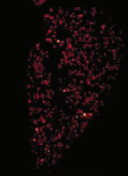
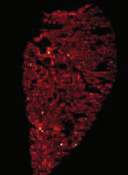
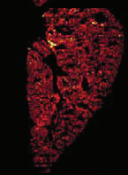



Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
17		291.0706	MB	17	Inosine	[M+Na]+
18		295.2265	FA	18	Dimorphecolic acid	[M-H]-
19		297.2422	FA	19	Ricinoleic acid	[M-H]-
20		301.2158	FA(20:5)	20	eicosapentaenoic acid	[M-H]-
21		303.2316	FA(20:4)	21	Arachidonic acid	[M-H]-
22		305.2473	FA(20:3)	22	eicosatrienoic acid	[M-H]-
23		307.2629	FA(20:2)	23	FA(20:2)	[M-H]-
24		309.2784	FA(20:1)	24	eicosenoic acid	[M-H]-

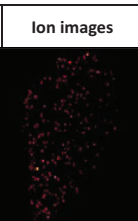
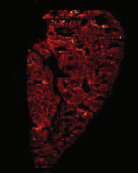
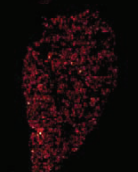
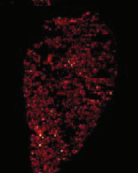
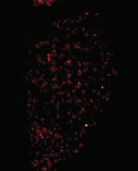
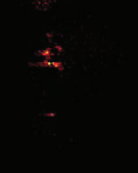
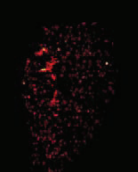
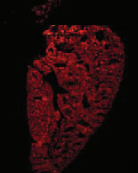
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
25		315.1951	FA	25	preclavulone lactone	[M-H]-
26		317.2107	FA	26	8(9)-EpETE	[M-H]-
27		327.2315	FA(22:6)	27	docosahexaenoic acid (DHA)	[M-H]-
28		329.2471	FA(22:5)	28	docosapentaenoic acid	[M-H]-
29		333.2785	FA(22:3)	29	FA(22:3)	[M-H]-
30		335.2215	FA	30	15-epi-PGA1	[M-H]-
31		335.2940	FA(22:2)	31	FA(22:2)	[M-H]-
32		337.3097	FA(22:1)	32	FA(22:1)	[M-H]-

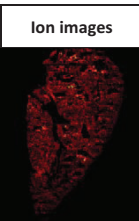
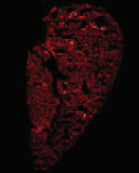
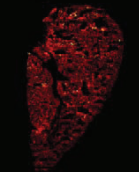
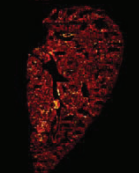
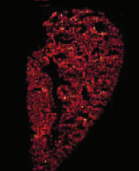
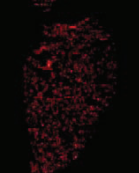
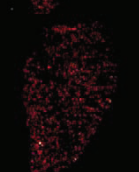

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
33		346.0545	MB	33	Adenosine monophosphate	[M-H]-
34		351.2516	MG(16:1)	34	MG 16:1	[M+Na]+
35		353.2674	MG(16:0)	35	MG 16:0	[M+Na]+
36		355.2628	FA(24:6)	36	tetracosahexaenoic acid (THA)	[M-H]-
37		357.2782	ST	37	5 β -Chol-9(11)-en-24-oic Acid	[M-H]-
38		359.2939	FA(24:4)	38	tetracosatetraenoic acid	[M-H]-
39		361.1900	MB	39	Lys Ile Cys	[M-H]-
40		365.3407	FA(24:1)	40	Tetracosenoic acid	[M-H]-

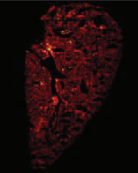
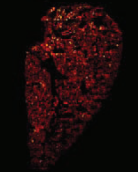
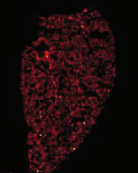
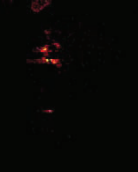
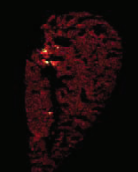
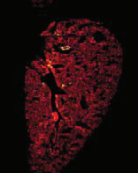

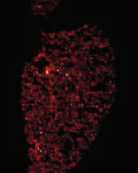
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
41		369.2268	MB	41	Val Arg Pro	[M-H]-
42		377.2674	MG(18:2)	42	MG 18:2	[M+Na]+
43		379.2831	MG(18:1)	43	MG 18:1	[M+Na]+
44		381.2986	MG(18:0)	44	MG 18:0	[M+Na]+
45		400.3436	FA	45	Palmitoylcarnitine	[M+H]+
46		401.2675	MG(20:4)	46	MG 20:4	[M+Na]+
47		409.3454	FA	47	Tetracosanediol	[M+K]+
48		425.2676	MG(22:6)	48	MG 22:6	[M+Na]+

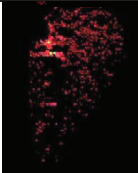
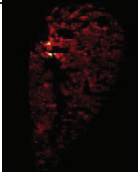
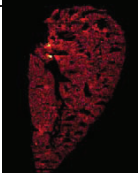
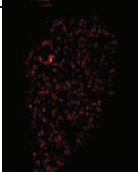
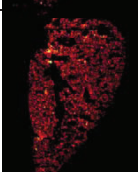
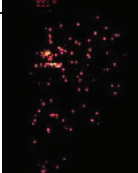
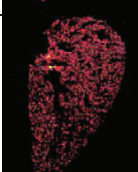
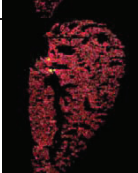
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
49		427.2679	FA	49	2-glycerol-PGD2	[M+H] ⁺
50		427.2833	MG(22:5)	50	MG 22:5	[M+Na] ⁺
51		429.2990	MG(22:4)	51	MG 22:4	[M+Na] ⁺
52		436.2835	PE(P-16:0)	52	PE(P-16:0/0:0)	[M-H] ⁻
53		449.3617	FA	53	Hexacosanedioic acid	[M+Na] ⁺
54		452.2780	PE(16:0)	54 55	PE(16:0/0:0)_A PE(16:0/0:0)_B	[M-H] ⁻ [M-H] ⁻
55		476.2764	PC(13:0)	56	PC(13:0/0:0)	[M+Na] ⁺
56		478.2937	PE(18:1)	57 58	PE(18:1/0:0)_A PE(18:1/0:0)_B	[M-H] ⁻ [M-H] ⁻



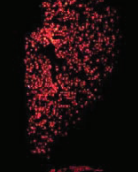
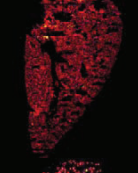
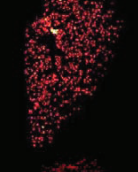

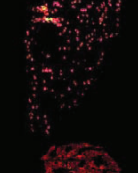

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
57		480.3094	PE(18:0)	59	PE(18:0/0:0)	[M-H] ⁻
58		483.2735	PG(16:0)	60 61	PG(16:0/0:0)_A PG(16:0/0:0)_B	[M-H] ⁻ [M-H] ⁻
59		490.2910 490.2934	PC(14:0) PC(16:3)	62 63	PC(0:0/14:0) PC(16:3/0:0)	[M+Na] ⁺ [M+H] ⁺
60		500.2791	PE(20:4)	64	PE(20:4/0:0)	[M-H] ⁻
61		504.3067	PC(15:0)	65	PC(15:0/0:0)	[M+Na] ⁺
62		508.3386	PE(20:0)	66	PE(20:0)	[M-H] ⁻
63		509.2882	PG(18:1)	67 68	PG(18:1/0:0)_A PG(18:1/0:0)_B	[M-H] ⁻ [M-H] ⁻
64		511.3044	PG(18:0)	69 70	PG(18:0/0:0)_A PG(18:0/0:0)_B	[M-H] ⁻ [M-H] ⁻

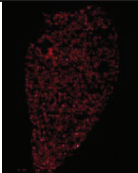
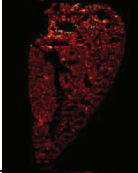
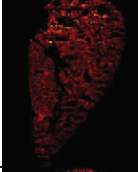
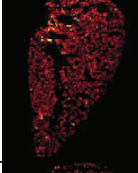
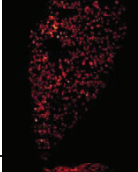
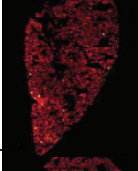

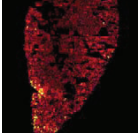
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
65		516.3067	PC(16:1)	71	PC(16:1/0:0)	[M+Na] ⁺
66		518.3223	PC(16:0)	72	PC(0:0/16:0)	[M+Na] ⁺
67		524.2988	PS(18:0)	73	PS(18:0/0:0)	[M-H] ⁻
68		528.3095	PE(22:4)	74	PE(22:4/0:0)	[M-H] ⁻
69		529.2584	PG(20:5)	75	PG(20:5/0:0)	[M-H] ⁻
70		535.4363	DG(30:3)	76	DG(12:0/18:3/0:0)	[M+H] ⁺
71		536.5042	Cer(34:1)	77	Cer(d18:1/16:0)	[M-H] ⁻
72		540.3067	PC(18:3)	78	PC(18:3/0:0)	[M+Na] ⁺

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
73		542.3223	PC(18:2)	79	PC(18:2/0:0)	[M+Na] ⁺
		542.3243	PC(20:5)	80	PC(20:5/0:0)	[M+H] ⁺
74		544.3377	PC(18:1)	81	PC(0:0/18:1)	[M+Na] ⁺
75		546.3536	PC(18:0)	82	PC(0:0/18:0)	[M+Na] ⁺
76		548.2755	PE(22:6)	83	PE(22:6/0:0)	[M+Na] ⁺
77		548.3716	PC(20:2)	84	PC(20:2/0:0)	[M+H] ⁺
78		555.2734	PG(22:6)	85	PG(22:6/0:0)_A	[M-H] ⁻
				86	PG(22:6/0:0)_B	[M-H] ⁻
79		556.3015	MB	87	Pro Val Glu Thr Leu	[M-H] ⁻
80		563.4652	DG(30:0)	88	DG(14:0/16:0/0:0)	[M+Na] ⁺

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
81		566.3223	PC(20:4)	89	PC(0:0/20:4)	[M+Na] ⁺
82		568.3380	PC(20:3)	90	PC(20:3/0:0)	[M+Na] ⁺
83		571.2891	PI(16:0)	91 92	PI(16:0/0:0)_A PI(16:0/0:0)_B	[M-H] ⁻ [M-H] ⁻
84		587.4652	DG(32:2)	93	DG(14:0/18:2/0:0)	[M+Na] ⁺
85		589.4809	DG(32:1)	94 95	DG(14:0/18:1/0:0) DG(16:0/16:1/0:0)	[M+Na] ⁺ [M+Na] ⁺
		589.4832	DG(34:4)	96	DG(14:0/20:4/0:0)	[M+H] ⁺
86		590.3223	PC(22:6)	97	PC(22:6/0:0)	[M+Na] ⁺
87		591.4965	DG(32:0)	98	DG(16:0/0:0/16:0)	[M+Na] ⁺
88		599.3199	PI(18:0)	99 100	PI(18:0/0:0)_B PI(18:0/0:0)_A	[M-H] ⁻ [M-H] ⁻

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
89		613.4809	DG(34:3)	101 102	DG(16:0/18:3/0:0) DG(16:1/18:2/0:0)	[M+Na] ⁺ [M+Na] ⁺
90		615.4965	DG(34:2)	103	DG(16:0/18:2/0:0)	[M+Na] ⁺
91		617.5122	DG(34:1)	104	DG(16:0/18:1/0:0)	[M+Na] ⁺
92		619.2893	PI(20:4)	105 106	PI(20:4/0:0)_A PI(20:4/0:0)_B	[M-H] ⁻ [M-H] ⁻
93		619.5278	DG(34:0)	107	DG(16:0/18:0/0:0)	[M+Na] ⁺
94		635.4652	DG(36:6)	108	DG(14:0/22:6/0:0)	[M+Na] ⁺
95		637.4809	DG(36:5)	109 110	DG(16:0/20:5/0:0) DG(18:2/18:3/0:0)	[M+Na] ⁺ [M+Na] ⁺
96		639.4965	DG(36:4)	111 112 113 114	DG(14:0/22:4/0:0) DG(16:0/20:4/0:0) DG(18:1/18:3/0:0) DG(18:2/0:0/18:2)	[M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
97		641.5122	DG(36:3)	115 116	DG(16:0/20:3/0:0) DG(18:1/18:2/0:0)	[M+Na] ⁺ [M+Na] ⁺
98		643.5278	DG(36:2)	117	DG(18:1/0:0/18:1)	[M+Na] ⁺
99		645.4861	DG(35:2)	118 119 120	DG(15:0/20:2/0:0) DG(17:0/18:2/0:0) DG(17:1/18:1/0:0)	[M+K] ⁺ [M+K] ⁺ [M+K] ⁺
100		645.5435	DG(36:1)	121 122	DG(16:0/20:1/0:0) DG(18:0/18:1/0:0)	[M+Na] ⁺ [M+Na] ⁺
101		647.5017	DG(35:1)	123 124	DG(17:0/18:1/0:0) DG(19:1/16:0/0:0)	[M+K] ⁺ [M+K] ⁺
102		648.6294	Cer(42:1)	125	Cer(d18:1/24:0)	
103		661.4809	DG(38:7)	126	DG(16:1/22:6/0:0)	[M+Na] ⁺
104		663.4965	DG(38:6)	127 128 129	DG(16:0/22:6/0:0) DG(16:1/22:5/0:0) DG(18:2/20:4/0:0)	[M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
105		665.4397	PG(28:0)	130 131	PG(12:0/16:0) PG(14:0/14:0)	[M-H] ⁻ [M-H] ⁻
106		665.5122	DG(38:5)	132 133 134	DG(16:0/22:5/0:0) DG(18:0/20:5/0:0) DG(18:1/20:4/0:0)	[M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺
107		667.5278	DG(38:4)	135 136 137	DG(16:0/22:4/0:0) DG(18:0/20:4/0:0) DG(18:2/20:2/0:0)	[M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺
108		669.5435	DG(38:3)	138	DG(18:0/20:3/0:0)	[M+Na] ⁺
109		670.6115	Cer(42:2)	139	Cer(d18:1/24:1)	[M+Na] ⁺
110		671.4624	PA(34:2)	140	PA(34:2)	[M-H] ⁻
111		672.4217	PC(25:0-CHO)	141	PC(16:0/9:0(CHO))	[M+Na] ⁺
112		673.4782	PA(34:1)	142	PA(34:1)	[M-H] ⁻

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
113		675.5305	PA(O-35:0)	143	PA(O-35:0)	[M-H]-
114		679.5278	DG(39:5)	144 145	DG(17:0/22:5/0:0) DG(19:1/20:4/0:0)	[M+Na]+ [M+Na]+
115		687.4965	DG(40:8)	146	DG(18:2/22:6/0:0)	[M+Na]+
116		687.5430	SM(d16:1/17:0)	147	SM(d16:1/17:0)	[M-H]-
117		689.5122	DG(40:7)	148 149	DG(18:1/22:6/0:0) DG(18:2/22:5/0:0)	[M+Na]+ [M+Na]+
118		690.5080 690.5081	PE(32:0) PE(32:0)	150 151	PE(16:0/16:0)_A PE(16:0/16:0)_B	[M-H]- [M-H]-
119		691.5278 691.5302	DG(40:6) DG(42:9)	152 153 154	DG(18:1/22:5/0:0) DG(18:2/22:4/0:0) DG(20:3/22:6/0:0)	[M+Na]+ [M+Na]+ [M+H]+
120		693.5435 693.5458	DG(40:5) DG(42:8)	155 156 157	DG(18:0/22:5/0:0) DG(20:2/22:6/0:0) DG(20:3/22:5/0:0)	[M+Na]+ [M+H]+ [M+H]+

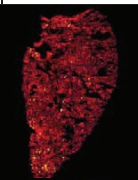
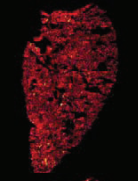
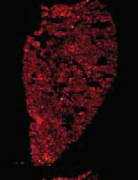

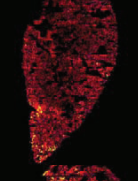


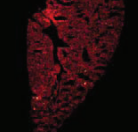
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
121		697.5174	DG(39:4)	158	DG(19:0/20:4/0:0)	[M+K]+
122		697.5261	SM(32:1)	159 160	SM(d16:1/16:0) SM(d18:1/14:0)	[M+Na]+ [M+Na]+
123		699.4944	PA(36:2)	161	PA(36:2)	[M-H]-
124		700.4553	PR	162	adenosylhopane	[M+K]+
125		700.4894	PC(28:0)	163	PC(14:0/14:0)	[M+Na]+
126		700.4917	PC(30:3)	164	PC(16:3/14:0)	[M+H]+
127		700.4927	PE(33:2)	165	PE(15:0/18:2)	[M-H]-
128		700.5277	PE(P-34:1)	166	PE(P-16:0/18:1)	[M-H]-

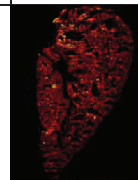
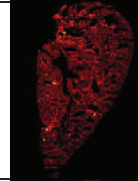
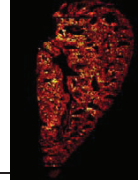
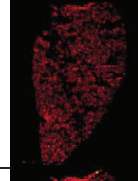
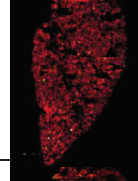
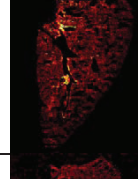
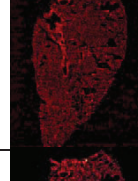
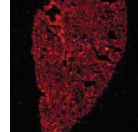
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
129		701.5100	PA(36:1)	167	PA(36:1)	[M-H]-
130		704.5959	Cer(42:1)	168	Cer(d18:1/24:0(2OH))	[M+K]+
131		713.5487	DG(40:3)	169 170 171 172	DG(18:1/22:2/0:0) DG(18:2/22:1/0:0) DG(20:0/20:3/0:0) DG(20:1/20:2/0:0)	[M+K]+ [M+K]+ [M+K]+ [M+K]+
132		714.5050	PC(29:0)	173	PC(14:0/15:0)	[M+Na]+
133		714.5089	PE(34:2)	174 175	PE(16:0/18:2) PE(16:1/18:1)	[M-H]- [M-H]-
134		715.5644	DG(40:2)	176 177	DG(18:1/22:1/0:0) DG(20:0/20:2/0:0)	[M+K]+ [M+K]+
135		716.5235	PE(34:1)	178 179	PE(16:1/18:0) PE(16:0/18:1)	[M-H]- [M-H]-
136		718.5393	PE(34:0)	180	PE(16:0/18:0)	[M-H]-

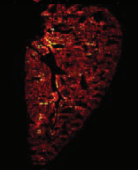
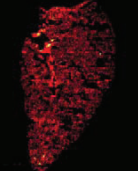
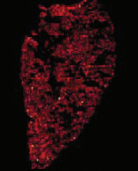

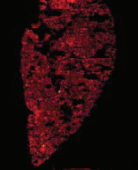
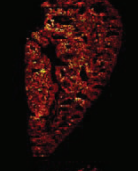
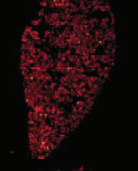
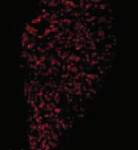
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
137		719.4863	PG(32:1)	181 182 183 184	PG(14:0/18:1) PG(16:0/16:1)_A PG(16:0/16:1)_C PG(16:0/16:1)_B	[M-H]- [M-H]- [M-H]- [M-H]-
138		720.4975	PE(P-36:5)	185	PE(P-16:0/20:5)	[M-H]-
139		721.5034	PG(32:0)	186	PG(16:0/16:0)	[M-H]-
140		722.5124	PE(P-36:4)	187	PE(P-16:0/20:4)	[M-H]-
141		723.4943	PA(38:4)	188	PA(38:4)	[M-H]-
142		723.5418	SM(34:2)	189	SM(d18:2/16:0)	[M+Na]+
143		725.5101	PA(38:3)	190	PA(38:3)	[M-H]-
144		725.5574	SM(34:1)	191	SM(d18:1/16:0)	[M+Na]+

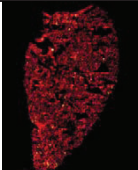
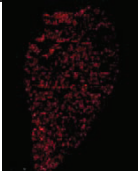
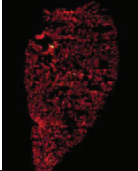
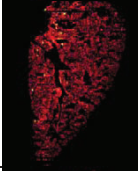
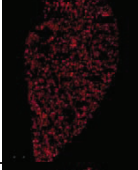
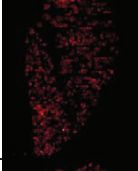
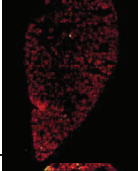
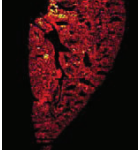
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
145		726.5050	PC(30:1)	192	PC(14:0/16:1)	[M+Na]+
		726.5074	PC(32:4)	193	PC(12:0/20:4)	[M+H]+
				194	PC(16:0/16:4)	[M+H]+
				195	PC(16:3/16:1)	[M+H]+
146		727.5249	PA(38:2)	196	PA(38:2)	[M-H]-
147		728.5207	PC(30:0)	197	PC(14:0/16:0)	[M+Na]+
		728.5230	PC(32:3)	198	PC(14:0/18:3)	[M+H]+
				199	PC(16:3/16:0)	[M+H]+
148		732.4810	PS(32:1)	200	PS(16:0/16:1)	[M-H]-
149		735.5173	PG(33:0)	201	PG(16:0/17:0)	[M-H]-
150		736.4916	PE(36:5)	202	PE(16:1/20:4)	[M-H]-
				203	PE(16:0/20:5)	[M-H]-
151		738.5078	PE(36:4)	204	PE(18:1/18:3)	[M-H]-
				205	PE(16:0/20:4)	[M-H]-
152		740.5207	PC(31:1)	206	PC(14:0/17:1)	[M+Na]+
				207	PC(15:0/16:1)	[M+Na]+
				208	PC(15:1/16:0)	[M+Na]+


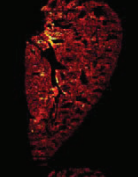
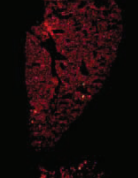
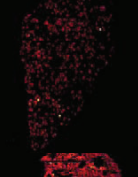




Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
153		740.5242	PE(36:3)	209	PE(16:0/20:3)	[M-H]-
				210	PE(18:1/18:2)	[M-H]-
154		742.5363	PC(31:0)	211	PC(15:0/16:0)	[M+Na]+
155		742.5402	PE(36:2)	212	PE(18:0/18:2)	[M-H]-
				213	PE(18:1/18:1)	[M-H]-
156		743.4853	PG(34:3)	214	PG(16:0/18:3)_C	[M-H]-
				215	PG(16:0/18:3)_B	[M-H]-
				216	PG(16:1/18:2)_B	[M-H]-
				217	PG(16:1/18:2)_C	[M-H]-
				218	PG(16:1/18:2)_A	[M-H]-
				219	PG(16:0/18:3)_A	[M-H]-
157		744.5553	PE(36:1)	220	PE(14:0/22:1)	[M-H]-
				221	PE(16:0/20:1)	[M-H]-
				222	PE(18:0/18:1)	[M-H]-
158		745.5018	PG(34:2)	223	PG(16:0/18:2)_A	[M-H]-
				224	PG(16:0/18:2)_B	[M-H]-
				225	PG(16:1/18:1)	[M-H]-
159		746.5130	PE(P-38:6)	226	PE(P-16:0/22:6)	[M-H]-
160		747.5168	PG(34:1)	227	PG(16:0/18:1)_A	[M-H]-
				228	PG(16:0/18:1)_B	[M-H]-
				229	PG(16:0/18:1)_C	[M-H]-
				230	PG(16:1/18:0)	[M-H]-
						[M-H]-

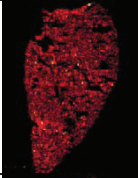
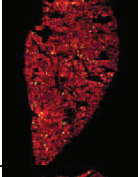
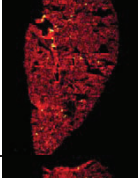
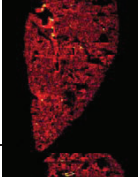
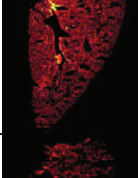
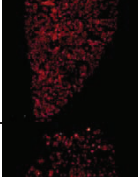
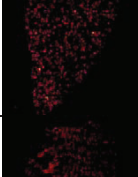

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
161		748.5161	PS(33:0)	231	PS(33:0)	[M-H]-
162		748.5284	PE(P-38:5)	232	PE(P-38:5)	[M-H]-
163		749.5336	PG(34:0)	233	PG(16:0/18:0)	[M-H]-
164		750.5451	PE(P-38:4)	234 235	PE(P-16:0/22:4) PE(P-18:0/20:4)	[M-H]- [M-H]-
165		751.5251	PA(40:4)	236	PA(40:4)	[M-H]-
166		752.5207	PC(32:2)	237 238 239	PC(14:0/18:2) PC(16:1/16:1) PC(16:2/16:0)	[M+Na]+ [M+Na]+ [M+Na]+
		752.5230	PC(34:5)	240 241	PC(14:0/20:5) PC(16:1/18:4)	[M+H]+ [M+H]+
167		752.5230	PE(37:4)	242	PE(17:0/20:4)	[M-H]-
168		753.5887	SM(36:1)	243	SM(d18:1/18:0)	[M+Na]+

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
169		754.5363	PC(32:1)	244 245	PC(14:0/18:1) PC(16:0/16:1)	[M+Na]+ [M+Na]+
170		756.5520	PC(32:0)	246	PC(16:0/16:0)	[M+Na]+
		756.5543	PC(34:3)	247 248	PC(16:0/18:3) PC(16:1/18:2)	[M+H]+ [M+H]+
171		758.6471	HexCer(38:0)	249	HexCer(d18:0/20:0)	[M+H]+
172		760.4920	PE(38:7)	250	PE(16:1/22:6)	[M-H]-
173		760.5121	PS(34:1)	251 252	PS(16:1/18:0) PS(16:0/18:1)	[M-H]- [M-H]-
174		762.4911	PR	253	bacteriohopane-31,32,33,34-tetrol-35-cyclitol	[M+K]+
175		762.5092	PE(38:6)	254	PE(16:0/22:6)	[M-H]-
176		764.5224	PE(38:5)	255	PE(18:1/20:4)	[M-H]-

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
177		766.5363	PC(33:2)	256 257	PC(15:0/18:2) PC(15:1/18:1)	[M+Na]+ [M+Na]+
178		766.5394	PE(38:4)	258 259 260	PE(16:0/22:4) PE(18:0/20:4) PE(18:1/20:3)	[M-H]- [M-H]- [M-H]-
179		767.4867	PG(36:5)	261 262 263 264	PG(16:0/20:5)_A PG(16:0/20:5)_B PG(16:0/20:5)_C PG(18:2/18:3)	[M-H]- [M-H]- [M-H]- [M-H]-
180		768.5553	PE(38:3)	265	PE(18:0/20:3)	[M-H]-
181		769.5015	PG(36:4)	266 267 268 269 270	PG(16:0/20:4)_C PG(16:0/20:4)_B PG(16:0/20:4)_A PG(18:2/18:2)_A PG(18:2/18:2)_B	[M-H]- [M-H]- [M-H]- [M-H]- [M-H]-
182		770.5676	PC(33:0)	271	PC(16:0/17:0)	[M+Na]+
183		771.5161	PG(36:3)	272 273 274	PG(16:0/20:3) PG(18:1/18:2)_B PG(18:1/18:2)_A	[M-H]- [M-H]- [M-H]-
184		772.5285	PE(P-40:7)	275	PE(P-18:1/22:6)	[M-H]-

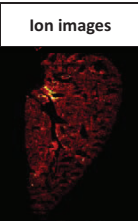

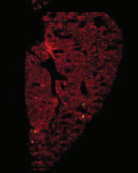
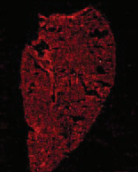
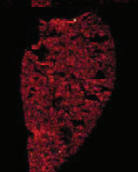
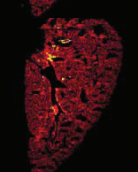
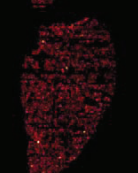
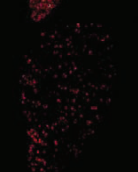
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
185		773.5325	PG(36:2)	276 277 278 279	PG(16:0/20:2) PG(18:0/18:2)_B PG(18:1/18:1) PG(18:0/18:2)_A	[M-H]- [M-H]- [M-H]- [M-H]-
186		774.5439	PE(P-40:6)	280	PE(P-18:0/22:6)	[M-H]-
187		775.5487	PG(36:1)	281 282	PG(18:0/18:1)_B PG(18:0/18:1)_A	[M-H]- [M-H]-
188		776.5207	PC(34:4)	283	PC(14:0/20:4)	[M+Na]+
189		776.5249	PE(39:6)	284	PE(17:0/22:6)	[M-H]-
190		776.5782	PS(O-36:0)	285	PS(O-36:0)	[M-H]-
191		777.5364	PS(34:1)	286	PS(34:1)	[M-H]-
192		778.5387	PC(36:6)	287 288 289	PC(14:0/22:6) PC(16:1/20:5) PC(18:2/18:4)	[M+H]+ [M+H]+ [M+H]+

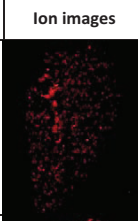

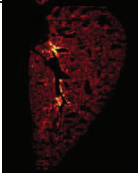
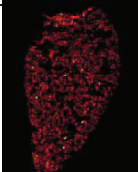
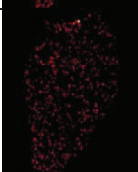
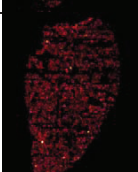
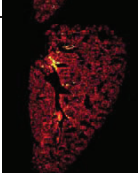
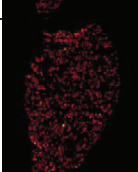
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
193		778.5752	PE(P-40:4)	290 291	PE(P-20:0/20:4) PE(P-18:0/22:4)	[M-H]- [M-H]-
194		780.5520	PC(34:2)	292	PC(16:0/18:2)	[M+Na]+
195		781.6200	SM(38:1)	293	SM(d18:1/20:0)	[M+Na]+
196		782.4967	PS(36:4)	294	PS(16:0/20:4)	[M-H]-
197		782.5676	PC(34:1)	295	PC(16:0/18:1)	[M+Na]+
198		783.4081	MB	296	Fumonisin FP2	[M-H]-
199		783.4571	MB	297	Hoduloside VI	[M-H]-
200		783.5182	PG(37:4)	298	PG(17:0/20:4)	[M-H]-


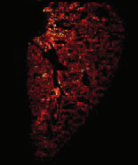
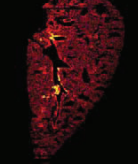
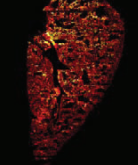

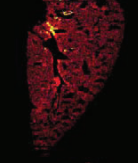
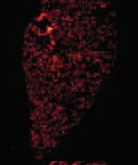
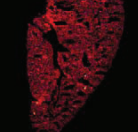
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
201		786.5067	PE(40:8)	299	PE(18:2/22:6)	[M-H]-
202		786.5276	PS(36:2)	300 301 302 303	PS(18:1/18:1)_B PS(18:0/18:2)_B PS(18:1/18:1)_A PS(18:0/18:2)_A	[M-H]- [M-H]- [M-H]- [M-H]-
203		788.5237	PE(40:7)	304	PE(18:1/22:6)	[M-H]-
204		788.5445	PS(36:1)	305	PS(18:0/18:1)	[M-H]-
205		790.5363	PC(35:4)	306	PC(15:0/20:4)	[M+Na]+
206		790.5390	PE(40:6)	307	PE(18:0/22:6)	[M-H]-
207		791.4858	PG(38:7)	308 309 310 311	PG(16:1/22:6)_A PG(18:2/20:5)_A PG(18:2/20:5)_B PG(16:1/22:6)_B	[M-H]- [M-H]- [M-H]- [M-H]-
208		792.5526	PE(40:5)	312	PE(40:5)	[M-H]-

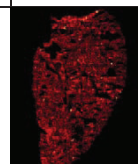
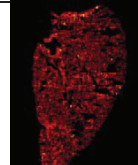
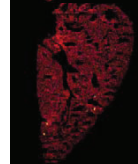
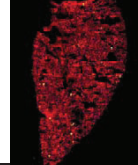
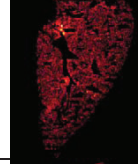
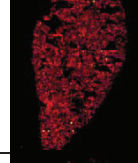
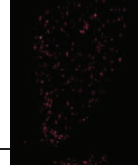
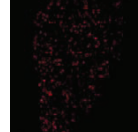
Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
209		793.5008	PG(38:6)	313 314 315 316	PG(16:0/22:6)_B PG(16:0/22:6)_A PG(18:1/20:5) PG(18:2/20:4)	[M-H]- [M-H]- [M-H]- [M-H]-
210		794.5676	PC(35:2)	317 318	PC(17:0/18:2) PC(17:1/18:1)	[M+Na]+ [M+Na]+
211		794.5704	PE(40:4)	319 320	PE(18:0/22:4) PE(20:0/20:4)	[M-H]- [M-H]-
212		795.5190	PG(38:5)	321	PG(18:0/20:5)	[M-H]-
213		796.5833	PC(35:1)	322	PC(17:0/18:1)	[M+Na]+
214		797.5327	PG(38:4)	323 324 325	PG(16:0/22:4) PG(18:1/20:3) PG(18:0/20:4)	[M-H]- [M-H]- [M-H]-
215		800.6185	PE(40:1)	326	PE(18:1/22:0)	[M-H]-
216		801.5652	PG(38:2)	327	PG(18:0/20:2)	[M-H]-

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
217		802.5363	PC(36:5)	328 329 330 331	PC(14:0/22:5) PC(16:0/20:5) PC(16:1/20:4) PC(18:2/18:3)	[M+Na]+ [M+Na]+ [M+Na]+ [M+Na]+
218		802.5742	PE(P-42:6)	332	PE(P-20:0/22:6)	[M-H]-
219		804.5520	PC(36:4)	333 334 335	PC(14:0/22:4) PC(16:0/20:4) PC(18:2/18:2)	[M+Na]+ [M+Na]+ [M+Na]+
220		806.4980	PS(38:6)	336 337	PS(16:0/22:6) PS(18:2/20:4)	[M-H]- [M-H]-
221		807.5019	PI(32:1)	338	PI(16:0/16:1)	[M-H]-
222		807.5159	PG(39:6)	339	PG(17:0/22:6)	[M-H]-
223		807.6357	SM(40:2)	340 341	SM(d18:1/22:1) SM(d18:2/22:0)	[M+Na]+ [M+Na]+
224		808.5139	PS(38:5)	342 343	PS(18:1/20:4) PS(18:0/20:5)	[M-H]- [M-H]-

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
225		808.5833	PC(36:2)	344	PC(18:0/18:2)	[M+Na] ⁺
226		808.5859	PE(41:4)	345	PE(19:0/22:4)	[M-H] ⁻
227		809.6513	SM(40:1)	346	SM(d18:1/22:0)	[M+Na] ⁺
228		810.5291	PS(38:4)	347	PS(18:0/20:4)	[M-H] ⁻
229		812.5430	PS(38:3)	348	PS(18:0/20:3)	[M-H] ⁻
230		814.5363	PC(37:6)	349	PC(15:0/22:6)	[M+Na] ⁺
231		814.5379	PE(42:8)	350	PE(20:2/22:6)	[M-H] ⁻
232		815.4875	PG(40:9)	351 352	PG(18:3/22:6) PG(20:4/20:5)	[M-H] ⁻ [M-H] ⁻

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
233		816.5535	PE(42:7)	353	PE(20:1/22:6)	[M-H] ⁻
234		817.5022	PG(40:8)	354 355 356 357	PG(18:2/22:6)_A PG(18:2/22:6)_B PG(18:2/22:6)_C PG(18:2/22:6)_D	[M-H] ⁻ [M-H] ⁻ [M-H] ⁻ [M-H] ⁻
235		818.5700	PC(39:7)	358	PC(17:1/22:6)	[M+H] ⁺
236		819.5167	PG(40:7)	359 360 361	PG(18:1/22:6)_C PG(18:1/22:6)_B PG(18:1/22:6)_A	[M-H] ⁻ [M-H] ⁻ [M-H] ⁻
237		820.5133	PS(39:6)	362	PS(17:0/22:6)	[M-H] ⁻
238		820.5849	PE(42:5)	363	PE(20:4/22:1)	[M-H] ⁻
239		820.5856	PC(39:6)	364	PC(17:0/22:6)	[M+H] ⁺
240		821.5319	PG(40:6)	365 366	PG(18:0/22:6)_A PG(18:0/22:6)_B	[M-H] ⁻ [M-H] ⁻

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
241		822.6006	PE(42:4)	367	PE(20:4/22:0)	
242		826.5363	PC(38:7)	368 369 370	PC(16:1/22:6) PC(18:2/20:5) PC(18:3/20:4)	[M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺
243		828.5520	PC(38:6)	371 372 373 374	PC(16:0/22:6) PC(16:1/22:5) PC(18:1/20:5) PC(18:2/20:4)	[M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺
		828.5543	PC(40:9)	375 376	PC(18:3/22:6) PC(20:4/20:5)	[M+H] ⁺ [M+H] ⁺
244		830.5676	PC(38:5)	377 378 379	PC(16:0/22:5) PC(18:0/20:5) PC(18:1/20:4)	[M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺
245		832.5134	PS(40:7)	380	PS(18:1/22:6)	[M-H] ⁻
246		832.5833	PC(38:4)	381 382 383	PC(16:0/22:4) PC(18:0/20:4) PC(18:1/20:3)	[M+Na] ⁺ [M+Na] ⁺ [M+Na] ⁺
247		833.5172	PI(34:2)	384 385	PI(16:0/18:2) PI(16:1/18:1)	[M-H] ⁻ [M-H] ⁻
248		833.6513	SM(42:3)	386	SM(d18:2/24:1)	[M+Na] ⁺

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
249		834.5294	PS(40:6)	387	PS(18:0/22:6)	[M-H] ⁻
250		835.5321	PI(34:1)	388	PI(16:0/18:1)	[M-H] ⁻
251		835.6670	SM(42:2)	389	SM(d18:1/24:1)	[M+Na] ⁺
252		836.5430	PS(40:5)	390	PS(40:5)	[M-H] ⁻
253		836.6169	PC(40:5)	391 392 393	PC(18:0/22:5) PC(20:0/20:5) PC(20:1/20:4)	[M+H] ⁺ [M+H] ⁺ [M+H] ⁺
254		838.5612	PS(40:4)	394	PS(18:0/22:4)	[M-H] ⁻
255		839.4879	PG(42:11)	395	PG(20:5/22:6)	[M-H] ⁻
256		841.5012	PG(42:10)	396	PG(20:4/22:6)	[M-H] ⁻

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct		
257		843.5178	PG(42:9)	397	PG(20:3/22:6)_A	[M-H]-		
				398	PG(20:3/22:6)_B	[M-H]-		
258		845.5331	PG(42:8)	399	PG(20:4/22:4)	[M-H]-		
				400	PG(20:2/22:6)	[M-H]-		
259		852.5520	PC(40:8)	401	PC(18:2/22:6)	[M+Na]+		
				402	PC(20:4/20:4)	[M+Na]+		
260		853.7262	TG(50:2)	403	TG(16:0/16:0/18:2)	[M+Na]+		
				404	TG(16:0/16:1/18:1)	[M+Na]+		
		853.7286	TG(52:5)	405	TG(14:0/16:0/22:5)	[M+H]+		
				406	TG(14:0/18:1/20:4)	[M+H]+		
				407	TG(16:0/16:0/20:5)	[M+H]+		
408	TG(16:0/16:1/20:4)			[M+H]+				
261		854.5676	PC(40:7)	409	PC(18:1/22:6)	[M+Na]+		
				410	PC(18:2/22:5)	[M+Na]+		
				411	PC(20:3/20:4)	[M+Na]+		
		854.5700	PC(42:10)	412	PC(20:4/22:6)	[M+H]+		
				413	PC(20:5/22:5)	[M+H]+		
262		855.5017	PI(36:5)	414	PI(16:0/20:5)	[M-H]-		
				415	PI(16:1/20:4)	[M-H]-		
263		855.7419	TG(50:1)	416	TG(16:0/16:0/18:1)	[M+Na]+		
				855.7442	TG(52:4)	417	TG(16:0/18:2/18:2)	[M+H]+
						418	TG(16:1/18:1/18:2)	[M+H]+
264		856.5144	PS(42:9)	419	PS(20:3/22:6)	[M-H]-		

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct
265		856.5833	PC(40:6)	420	PC(18:0/22:6)	[M+Na]+
				421	PC(18:1/22:5)	[M+Na]+
				422	PC(18:2/22:4)	[M+Na]+
				423	PC(20:2/20:4)	[M+Na]+
		856.5856	PC(42:9)	424	PC(20:3/22:6)	[M+H]+
266		857.5189	PI(36:4)	425	PI(16:0/20:4)	[M-H]-
				426	PI(18:2/18:2)	[M-H]-
267		858.6013	PC(42:8)	427	PC(20:2/22:6)	[M+H]+
				428	PC(20:4/22:4)	[M+H]+
268		859.5348	PI(36:3)	429	PI(16:0/20:3)_A	[M-H]-
				430	PI(16:0/20:3)_B	[M-H]-
				431	PI(18:1/18:2)	[M-H]-
269		860.6169	PC(42:7)	432	PC(20:1/22:6)	[M+H]+
270		861.5479	PI(36:2)	433	PI(18:0/18:2)	[M-H]-
271		863.5630	PI(36:1)	434	PI(18:0/18:1)	[M-H]-
272		865.5033	PG(44:12)	435	PG(22:6/22:6)_B	[M-H]-
				436	PG(22:6/22:6)_A	[M-H]-

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct	
273		869.5342	PG(44:10)	437	PG(22:4/22:6)	[M-H]-	
274		874.5363	PC(42:11)	438	PC(20:5/22:6)	[M+Na]+	
275		879.7419	TG(52:3)	439	TG(16:0/16:0/20:3)	[M+Na]+	
		879.7442	TG(54:6)	440	TG(16:0/18:1/18:2)	[M+Na]+	
276			881.5176	PI(38:6)	441	TG(16:0/16:0/22:6)	[M+H]+
					442	TG(18:2/18:2/18:2)	[M+H]+
					443	PI(18:2/20:4)	[M-H]-
277			881.7575	TG(52:2)	444	PI(18:1/20:5)	[M-H]-
					445	PI(16:0/22:6)	[M-H]-
					446	TG(16:0/18:0/18:2)	[M+Na]+
278		883.5338	PI(38:5)	447	TG(16:0/18:1/18:1)	[M+Na]+	
				448	TG(18:1/18:2/18:2)	[M+H]+	
279		885.5471	PI(38:4)	449	PI(18:1/20:4)	[M-H]-	
				450	PI(18:0/20:5)	[M-H]-	
280		887.5640	PI(38:3)	451	PI(16:0/22:4)	[M-H]-	
				452	PI(18:0/20:4)_A	[M-H]-	
				453	PI(18:0/20:4)_B	[M-H]-	
				454	PI(18:1/20:3)	[M-H]-	
280				455	PI(18:0/20:3)	[M-H]-	

Unique peaks	Ion images	m/z	Name	Number identified	Name common	adduct	
281		907.5338	PI(40:7)	456	PI(20:3/20:4)	[M-H]-	
				457	PI(18:1/22:6)	[M-H]-	
282			909.5466	PI(40:6)	458	PI(20:2/20:4)_A	[M-H]-
					459	PI(20:2/20:4)_B	[M-H]-
					460	PI(18:0/22:6)	[M-H]-
283			911.5635	PI(40:5)	461	PI(40:5)	[M-H]-
284			913.5802	PI(40:4)	462	PI(18:0/22:4)	[M-H]-