

## **Supporting Information**

### **Profiling over 1500 Lipids in Induced Lung Sputum and the Implications on Studying Lung Diseases**

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### **References**

## Experimental:

**Subjects:** Induced sputum supernatant samples from 3 studies were analyzed (study-I: clinicaltrials.gov NCT00848406, study-II: Lo Tam et al.,<sup>1</sup> study-III: Willemse et al.<sup>2</sup>). We included 19 smokers with COPD, 20 smokers without COPD and 14 never-smokers. All studies were approved by the University Medical Center Groningen medical ethical committee and all subjects provided written informed consent. All COPD patients were current-smokers and had severity stage-II or stage-III according to the Global Initiative for Chronic Obstructive Lung Disease (GOLD)<sup>3</sup>. Subjects without COPD were asymptomatic, had no history of pulmonary diseases and had normal spirometry (post-bronchodilator forced expiratory volume in 1 s (FEV1)  $\geq$ 80% predicted, post-bronchodilator FEV1/forced expiratory volume (FVC)  $\geq$  lower limit of normal and reversibility to 400  $\mu$ g salbutamol <10% of the predicted FEV1). Never-smokers were subjects who had not smoked in the last year, had never smoked for  $\geq$ 1 year and had a total cigarette exposure <0.5 packyears.

**Lung sputum induction:** Sputum induction was performed following a standard protocol. Fifteen min after inhalation of 400  $\mu$ g salbutamol, 4.5% hypertonic saline was nebulized with an ultrasonic nebulizer (Ultraneb, DeVillbiss, Somerset, PA, USA) and inhaled for 5 min. The output of the nebulizer was calibrated at 1.5 mL/min. After each concentration, patients were encouraged to cough and expectorate sputum. Whole samples were processed according to the method of Fahy et al. with some modifications<sup>4</sup>. An equal volume of dithiothreitol 0.1% (Sputalysin 10%, Behring Diagnostics Inc, Sommerville, NY, USA) was added to the weight of the sputum and after 15 min filtered through a nylon (48  $\mu$ m) gauze. The sputum sample was centrifuged (10 min, 450 x g, 4° C) and the supernatant was stored at -80°C. All sputum inductions and sputum processing were performed in the same centre, according to standard operating procedures that were the same in all studies.

**Mass spectrometry:** High-resolution accurate mass measurements were obtained on an Agilent 6530 Q-TOF mass spectrometer (Agilent Technologies) equipped with a Jetstream ESI source. The instrument was operated in both positive and negative electrospray ionization mode. Needle voltage was optimized to  $\pm$  3.5 kV, the drying and sheath gas temperatures were set to 300°C and the drying and sheath gas flow rates were set to 6 and 8 L/min, respectively. Data were collected in centroid mode from m/z 400–1700 in positive ion mode and m/z 200–1700 in negative ion mode at an acquisition rate of 1 spectrum/s in the extended dynamic range mode (2 GHz), offering an in-spectrum dynamic range of  $10^5$  and a resolution of  $\pm$  10000 FWHM in the lipid m/z range. To maintain mass accuracy during the analysis sequence, a reference mass solution was used containing reference ions (922.0097 for positive ESI mode, and 1033.9881 for negative ESI mode). MS/MS experiments were performed in the data dependent acquisition mode (DDA). A survey MS scan was alternated with three DDA MS/MS scans resulting in a cycle time of 4 s. Singly charged precursor ions were selected based on abundance. After being fragmented twice, a particular m/z value was excluded for 30 s, allowing the MS/MS fragmentation of chromatographically resolved lipid isomers. Remaining unidentified species were subsequently identified in either targeted MS/MS or further DDA experiments, thereby adding previously fragmented precursors in an exclusion list. The quadrupole was operated at narrow resolution (1.3 amu window) and the collision energy was fixed at either 20 or 35 eV.

**Table S-1:** Different lipid classes and their qualitative fragment ions, in positive and/or negative ESI, when MS/MS fragmentation is performed.

(PA – phosphatidic acid, PC – phosphatidylcholine, PE – phosphatidylethanolamine, PG – phosphatidylglycerol, PI – phosphatidylinositol, PS – phosphatidylserine, SM – sphingomyelin, TG – triacylglycerol, DG – diacylglycerol, MG – monoacylglycerol, CE – cholesterol, FA – fatty acid)

Lipid class	Precursor ion	MS/MS mode	Fragment
PA	[M-H] <sup>-</sup>	152.9953 amu	Glycerol phosphate – H <sub>2</sub> O [C <sub>3</sub> H <sub>6</sub> O <sub>5</sub> P] <sup>-</sup>
		<i>species dependent</i>	FA carboxylate anions
PC	[M+H] <sup>+</sup>	184.0739 amu	Phosphocholine [C <sub>5</sub> H <sub>15</sub> NO <sub>4</sub> P] <sup>+</sup>
	[M+HCOO] <sup>-</sup>	60.0211 amu	Neutral loss of methyl group and formate ion [C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> ]
		<i>species dependent</i>	FA carboxylate anions
PE	[M-H] <sup>-</sup>	196.0375 amu	Glycerol phosphoethanolamine – H <sub>2</sub> O [C <sub>5</sub> H <sub>11</sub> NO <sub>5</sub> P] <sup>-</sup>
		<i>species dependent</i>	FA carboxylate anions
	[M+H] <sup>+</sup>	141.0191 amu	Neutral loss of phosphoethanolamine [C <sub>2</sub> H <sub>8</sub> NO <sub>4</sub> P]
PG	[M-H] <sup>-</sup>	152.9953 amu	Glycerol phosphate – H <sub>2</sub> O [C <sub>3</sub> H <sub>6</sub> O <sub>5</sub> P] <sup>-</sup>
		227.0321 amu	Glycerol phosphoglycerol – H <sub>2</sub> O [C <sub>6</sub> H <sub>12</sub> O <sub>7</sub> P] <sup>-</sup>
		<i>species dependent</i>	FA carboxylate anions
	[M+NH <sub>4</sub> ] <sup>+</sup>	189.0402 amu	Neutral loss of NH <sub>3</sub> and phosphoglycerol [C <sub>3</sub> H <sub>12</sub> NO <sub>6</sub> P]
PI	[M-H] <sup>-</sup>	223.0008 amu	Cyclic inositol phosphate – H <sub>2</sub> O [C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> P] <sup>-</sup>
		241.0113 amu	Cyclic inositol phosphate [C <sub>6</sub> H <sub>10</sub> O <sub>8</sub> P] <sup>-</sup>
		<i>species dependent</i>	FA carboxylate anions
	[M+NH <sub>4</sub> ] <sup>+</sup>	277.0563 amu	Neutral loss of NH <sub>3</sub> and phosphoinositol [C <sub>6</sub> H <sub>16</sub> NO <sub>9</sub> P]
PS	[M+H] <sup>+</sup>	185.0089 amu	Phosphorylserine [C <sub>3</sub> H <sub>8</sub> NO <sub>6</sub> P] <sup>+</sup>
	[M-H] <sup>-</sup>	87.0320 amu	Neutral loss of serine – H <sub>2</sub> O [C <sub>3</sub> H <sub>5</sub> NO <sub>2</sub> ]
		<i>species dependent</i>	FA carboxylate anions
SM	[M+H] <sup>+</sup>	184.0739 amu	Phosphocholine [C <sub>5</sub> H <sub>15</sub> NO <sub>4</sub> P] <sup>+</sup>
	[M+HCOO] <sup>-</sup>	60.0211 amu	Neutral loss of methyl group and formate ion [C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> ]
		168.0431 amu	Choline phosphate ion [C <sub>4</sub> H <sub>12</sub> NO <sub>4</sub> P] <sup>-</sup>
		<i>species dependent</i>	FA carboxylate anions
TG, DG and MG	[M+NH <sub>4</sub> ] <sup>+</sup>	<i>species dependent</i>	Neutral loss of NH <sub>3</sub> and FA
Cholesterol, CE	[M+NH <sub>4</sub> ] <sup>+</sup>	369.3521 amu	Neutral loss of NH <sub>3</sub> and –OH or FA, resulting in [C <sub>27</sub> H <sub>45</sub> ] <sup>+</sup>

**Table S-2:** List of 1584 unique lipids that were identified in the lung sputum extract of a COPD patient. The table represents the lipid class identification number (ID), compound name, formula, the identified molecular ion and  $m/z$  in positive and negative ESI mode. The nomenclature of the International Lipid Classification and Nomenclature Committee (ILCNC) has been used, i.e. “Comprehensive Classification System for Lipids”.<sup>5-7</sup> Lipids for which the exact structure of the two acyl chains could not be elucidated, are listed with the total number of carbon atoms and double bonds of the fatty acyl moiety, e.g. PI(34:2). Fatty acids are termed as follows: the number of FA moiety carbon atoms and unsaturation (if present) is expressed after the letter C, followed by an –OH in case of a hydroxyl fatty acid. Regarding glycosphingolipids, LC-MS cannot discriminate between galactose and glucose, or N-acetylglucosamine and N-acetylgalactosamine. Therefore, lipid nomenclature of these species contains hexose (Hex) instead of glucose or galactose. As for all isomeric lysophospholipids the *sn*-1 regio-isomers were the most abundant, single lysophospholipids are considered *sn*-1 regio-isomers. Ether lysophospholipids with the alkyl chain at the *sn*-2 position are highly unusual and are therefore marked with an asterisk (\*).

(GP – glycerophospholipids, GL – glycerolipids, ST – sterol lipids, PR – prenol lipids, SP – sphingolipids, PA – phosphatidic acid, PC – phosphatidylcholine, PE – phosphatidylethanolamine, PG – phosphatidylglycerol, PI – phosphatidylinositol, PS – phosphatidylserine, SM – sphingomyelin, TG – triacylglycerol, DG – diacylglycerol, CE – cholesterol ester, SOLE – solanesol ester, FA – fatty acid, p – plasmenyl/plasmalogen, a – plasmanyl, SLBPA – semilysobisphosphatidic acid, CL – cardiolipin, Cer – ceramide, Hex – hexose, NeuAc – N-acetylneuraminic acid, HexNAc – N-acetylhexosamine, IP - isoprenoid)

ID	Compound Name	Formula	Molecular ion ESI +	$m/z$ ESI +	Molecular ion ESI -	$m/z$ ESI -
GP001	PA(34:0)	C37H73O8P			[M-H] <sup>-</sup>	675.4965
GP002	PA(36:2)	C39H73O8P			[M-H] <sup>-</sup>	699.4965
GP003	PA(38:3)	C41H75O8P			[M-H] <sup>-</sup>	725.5121
GP004	PA(38:4)	C41H73O8P			[M-H] <sup>-</sup>	723.4965
GP005	PA(40:6)	C43H73O8P			[M-H] <sup>-</sup>	747.4965
GP006	PC(0:0/14:0)	C22H46NO7P	[M+H] <sup>+</sup>	468.3090	[M+HCOO] <sup>-</sup>	512.2994
GP007	PC(14:0/0:0)	C22H46NO7P	[M+H] <sup>+</sup>	468.3090	[M+HCOO] <sup>-</sup>	512.2994
GP008	PC(0:0/15:0)	C23H48NO7P	[M+H] <sup>+</sup>	482.3247	[M+HCOO] <sup>-</sup>	526.3150
GP009	PC(15:0/0:0)	C23H48NO7P	[M+H] <sup>+</sup>	482.3247	[M+HCOO] <sup>-</sup>	526.3150
GP010	PC(0:0/16:0)	C24H50NO7P	[M+H] <sup>+</sup>	496.3403	[M+HCOO] <sup>-</sup>	540.3307
GP011	PC(16:0/0:0)	C24H50NO7P	[M+H] <sup>+</sup>	496.3403	[M+HCOO] <sup>-</sup>	540.3307
GP012	PC(0:0/17:0)	C25H52NO7P	[M+H] <sup>+</sup>	510.3560	[M+HCOO] <sup>-</sup>	554.3463
GP013	PC(17:0/0:0)	C25H52NO7P	[M+H] <sup>+</sup>	510.3560	[M+HCOO] <sup>-</sup>	554.3463
GP014	PC(0:0/18:0)	C26H54NO7P	[M+H] <sup>+</sup>	524.3716	[M+HCOO] <sup>-</sup>	568.3620
GP015	PC(18:0/0:0)	C26H54NO7P	[M+H] <sup>+</sup>	524.3716	[M+HCOO] <sup>-</sup>	568.3620
GP016	PC(0:0/19:0)	C27H56NO7P	[M+H] <sup>+</sup>	538.3873	[M+HCOO] <sup>-</sup>	582.3776
GP017	PC(19:0/0:0)	C27H56NO7P	[M+H] <sup>+</sup>	538.3873	[M+HCOO] <sup>-</sup>	582.3776
GP018	PC(0:0/20:0)	C28H58NO7P	[M+H] <sup>+</sup>	552.4029		
GP019	PC(20:0/0:0)	C28H58NO7P	[M+H] <sup>+</sup>	552.4029	[M+HCOO] <sup>-</sup>	596.3933
GP020	PC(22:0/0:0)	C30H62NO7P	[M+H] <sup>+</sup>	580.4342	[M+HCOO] <sup>-</sup>	624.4246
GP021	PC(0:0/14:1)	C22H44NO7P	[M+H] <sup>+</sup>	466.2934		
GP022	PC(14:1/0:0)	C22H44NO7P	[M+H] <sup>+</sup>	466.2934	[M+HCOO] <sup>-</sup>	510.2837
GP023	PC(15:1/0:0)	C23H46NO7P	[M+H] <sup>+</sup>	480.3090		
GP024	PC(0:0/16:1)	C24H48NO7P	[M+H] <sup>+</sup>	494.3247	[M+HCOO] <sup>-</sup>	538.3150
GP025	PC(16:1/0:0)	C24H48NO7P	[M+H] <sup>+</sup>	494.3247	[M+HCOO] <sup>-</sup>	538.3150
GP026	PC(0:0/17:1)	C25H50NO7P	[M+H] <sup>+</sup>	508.3403	[M+HCOO] <sup>-</sup>	552.3307
GP027	PC(17:1/0:0)	C25H50NO7P	[M+H] <sup>+</sup>	508.3403	[M+HCOO] <sup>-</sup>	552.3307
GP028	PC(0:0/18:1)	C26H52NO7P	[M+H] <sup>+</sup>	522.3560	[M+HCOO] <sup>-</sup>	566.3463
GP029	PC(18:1/0:0)	C26H52NO7P	[M+H] <sup>+</sup>	522.3560	[M+HCOO] <sup>-</sup>	566.3463

GP030	PC(0:0/19:1)	C27H54NO7P	[M+H] <sup>+</sup>	536.3716	[M+HCOO] <sup>-</sup>	580.3620
GP031	PC(19:1/0:0)	C27H54NO7P	[M+H] <sup>+</sup>	536.3716	[M+HCOO] <sup>-</sup>	580.3620
GP032	PC(0:0/20:1)	C28H56NO7P	[M+H] <sup>+</sup>	550.3873	[M+HCOO] <sup>-</sup>	594.3776
GP033	PC(20:1/0:0)	C28H56NO7P	[M+H] <sup>+</sup>	550.3873	[M+HCOO] <sup>-</sup>	594.3776
GP034	PC(0:0/22:1)	C30H60NO7P	[M+H] <sup>+</sup>	578.4186	[M+HCOO] <sup>-</sup>	622.4089
GP035	PC(22:1/0:0)	C30H60NO7P	[M+H] <sup>+</sup>	578.4186	[M+HCOO] <sup>-</sup>	622.4089
GP036	PC(24:1/0:0)	C32H64NO7P	[M+H] <sup>+</sup>	606.4499	[M+HCOO] <sup>-</sup>	650.4402
GP037	PC(0:0/16:2)	C24H46NO7P	[M+H] <sup>+</sup>	492.3090		
GP038	PC(16:2/0:0)	C24H46NO7P	[M+H] <sup>+</sup>	492.3090		
GP039	PC(17:2/0:0)	C25H48NO7P	[M+H] <sup>+</sup>	506.3247		
GP040	PC(0:0/18:2)	C26H50NO7P	[M+H] <sup>+</sup>	520.3403	[M+HCOO] <sup>-</sup>	564.3307
GP041	PC(18:2/0:0)	C26H50NO7P	[M+H] <sup>+</sup>	520.3403	[M+HCOO] <sup>-</sup>	564.3307
GP042	PC(19:2/0:0)	C27H52NO7P	[M+H] <sup>+</sup>	534.3560		
GP043	PC(0:0/20:2)	C28H54NO7P	[M+H] <sup>+</sup>	548.3716	[M+HCOO] <sup>-</sup>	592.3620
GP044	PC(20:2/0:0)	C28H54NO7P	[M+H] <sup>+</sup>	548.3716	[M+HCOO] <sup>-</sup>	592.3620
GP045	PC(0:0/22:2)	C30H58NO7P	[M+H] <sup>+</sup>	576.4029		
GP046	PC(22:2/0:0)	C30H58NO7P	[M+H] <sup>+</sup>	576.4029	[M+HCOO] <sup>-</sup>	620.3933
GP047	PC(0:0/16:3)	C24H44NO7P	[M+H] <sup>+</sup>	490.2934		
GP048	PC(16:3/0:0)	C24H44NO7P	[M+H] <sup>+</sup>	490.2934		
GP049	PC(0:0/18:3)	C26H48NO7P	[M+H] <sup>+</sup>	518.3247	[M+HCOO] <sup>-</sup>	562.3150
GP050	PC(18:3/0:0)	C26H48NO7P	[M+H] <sup>+</sup>	518.3247	[M+HCOO] <sup>-</sup>	562.3150
GP051	PC(0:0/20:3)	C28H52NO7P	[M+H] <sup>+</sup>	546.3560	[M+HCOO] <sup>-</sup>	590.3463
GP052	PC(20:3/0:0)	C28H52NO7P	[M+H] <sup>+</sup>	546.3560	[M+HCOO] <sup>-</sup>	590.3463
GP053	PC(0:0/22:3)	C30H56NO7P	[M+H] <sup>+</sup>	574.3873	[M+HCOO] <sup>-</sup>	618.3776
GP054	PC(22:3/0:0)	C30H56NO7P	[M+H] <sup>+</sup>	574.3873		
GP055	PC(0:0/18:4)	C26H46NO7P	[M+H] <sup>+</sup>	516.3090		
GP056	PC(18:4/0:0)	C26H46NO7P	[M+H] <sup>+</sup>	516.3090		
GP057	PC(0:0/20:4)	C28H50NO7P	[M+H] <sup>+</sup>	544.3403	[M+HCOO] <sup>-</sup>	588.3307
GP058	PC(20:4/0:0)	C28H50NO7P	[M+H] <sup>+</sup>	544.3403	[M+HCOO] <sup>-</sup>	588.3307
GP059	PC(21:4/0:0)	C29H52NO7P	[M+H] <sup>+</sup>	558.3560		
GP060	PC(0:0/22:4)	C30H54NO7P	[M+H] <sup>+</sup>	572.3716	[M+HCOO] <sup>-</sup>	616.3620
GP061	PC(22:4/0:0)	C30H54NO7P	[M+H] <sup>+</sup>	572.3716	[M+HCOO] <sup>-</sup>	616.3620
GP062	PC(24:4/0:0)	C32H58NO7P	[M+H] <sup>+</sup>	600.4029		
GP063	PC(0:0/20:5)	C28H48NO7P	[M+H] <sup>+</sup>	542.3247	[M+HCOO] <sup>-</sup>	586.3150
GP064	PC(20:5/0:0)	C28H48NO7P	[M+H] <sup>+</sup>	542.3247	[M+HCOO] <sup>-</sup>	586.3150
GP065	PC(0:0/22:5)	C30H52NO7P	[M+H] <sup>+</sup>	570.3560	[M+HCOO] <sup>-</sup>	614.3463
GP066	PC(22:5/0:0)	C30H52NO7P	[M+H] <sup>+</sup>	570.3560	[M+HCOO] <sup>-</sup>	614.3463
GP067	PC(0:0/22:6)	C30H50NO7P	[M+H] <sup>+</sup>	568.3403	[M+HCOO] <sup>-</sup>	612.3307
GP068	PC(22:6/0:0)	C30H50NO7P	[M+H] <sup>+</sup>	568.3403	[M+HCOO] <sup>-</sup>	612.3307
GP069	PC(p16:0/0:0)	C24H50NO6P	[M+H] <sup>+</sup>	480.3454	[M+HCOO] <sup>-</sup>	524.3358
GP070	PC(p18:0/0:0)	C26H54NO6P	[M+H] <sup>+</sup>	508.3767	[M+HCOO] <sup>-</sup>	552.3671
GP071	PC(p16:1/0:0)	C24H48NO6P	[M+H] <sup>+</sup>	478.3297	[M+HCOO] <sup>-</sup>	522.3201
GP072	PC(p18:1/0:0)	C26H52NO6P	[M+H] <sup>+</sup>	506.3610	[M+HCOO] <sup>-</sup>	550.3514
GP073	PC(p16:2/0:0)	C24H46NO6P	[M+H] <sup>+</sup>	476.3141		
GP074	PC(a16:0/0:0)	C24H52NO6P	[M+H] <sup>+</sup>	482.3610	[M+HCOO] <sup>-</sup>	526.3514
GP075	PC(a17:0/0:0)	C25H54NO6P	[M+H] <sup>+</sup>	496.3767		
GP076	PC(a18:0/0:0)	C26H56NO6P	[M+H] <sup>+</sup>	510.3923	[M+HCOO] <sup>-</sup>	554.3827
GP077	PC(a19:0/0:0)	C27H58NO6P	[M+H] <sup>+</sup>	524.4080		
GP078	PC(a20:0/0:0)	C28H60NO6P	[M+H] <sup>+</sup>	538.4237	[M+HCOO] <sup>-</sup>	582.4140
GP079	PC(a22:0/0:0)	C30H64NO6P	[M+H] <sup>+</sup>	566.4550	[M+HCOO] <sup>-</sup>	610.4453
GP080	PC(a23:0/0:0)	C31H66NO6P	[M+H] <sup>+</sup>	580.4706	[M+HCOO] <sup>-</sup>	624.4610
GP081	PC(a24:0/0:0)	C32H68NO6P	[M+H] <sup>+</sup>	594.4863	[M+HCOO] <sup>-</sup>	638.4766
GP082	PC(0:0/a18:1)*	C26H54NO6P	[M+H] <sup>+</sup>	508.3767	[M+HCOO] <sup>-</sup>	552.3671
GP083	PC(a18:1/0:0)	C26H54NO6P	[M+H] <sup>+</sup>	508.3767	[M+HCOO] <sup>-</sup>	552.3671
GP084	PC(0:0/a20:1)*	C28H58NO6P	[M+H] <sup>+</sup>	536.4080	[M+HCOO] <sup>-</sup>	580.3984
GP085	PC(a20:1/0:0)	C28H58NO6P	[M+H] <sup>+</sup>	536.4080	[M+HCOO] <sup>-</sup>	580.3984
GP086	PC(0:0/a22:1)*	C30H62NO6P	[M+H] <sup>+</sup>	564.4393	[M+HCOO] <sup>-</sup>	608.4297
GP087	PC(a22:1/0:0)	C30H62NO6P	[M+H] <sup>+</sup>	564.4393	[M+HCOO] <sup>-</sup>	608.4297
GP088	PC(a24:1/0:0)	C32H66NO6P	[M+H] <sup>+</sup>	592.4706	[M+HCOO] <sup>-</sup>	636.4610
GP089	PC(a26:1/0:0)	C34H70NO6P	[M+H] <sup>+</sup>	620.5019	[M+HCOO] <sup>-</sup>	664.4923
GP090	PC(a18:2/0:0)	C26H52NO6P	[M+H] <sup>+</sup>	506.3610		
GP091	PC(a20:2/0:0)	C28H56NO6P	[M+H] <sup>+</sup>	534.3923	[M+HCOO] <sup>-</sup>	578.3827
GP092	PC(a22:2/0:0)	C30H60NO6P	[M+H] <sup>+</sup>	562.4237	[M+HCOO] <sup>-</sup>	606.4140
GP093	PC(a24:2/0:0)	C32H64NO6P	[M+H] <sup>+</sup>	590.4550	[M+HCOO] <sup>-</sup>	634.4453

GP094	PC(a26:2:0:0)	C34H68NO6P	[M+H] <sup>+</sup>	618.4863	[M+HCOO] <sup>-</sup>	662.4766
GP095	PC(a18:3:0:0)	C26H50NO6P	[M+H] <sup>+</sup>	504.3454		
GP096	PC(a20:3:0:0)	C28H54NO6P	[M+H] <sup>+</sup>	532.3767		
GP097	PC(a22:3:0:0)	C30H58NO6P	[M+H] <sup>+</sup>	560.4080		
GP098	PC(24:0)	C32H64NO8P	[M+H] <sup>+</sup>	622.4448		
GP099	PC(26:0)	C34H68NO8P	[M+H] <sup>+</sup>	650.4761		
GP100	PC(27:0)	C35H70NO8P	[M+H] <sup>+</sup>	664.4917		
GP101	PC(14:0/14:0)	C36H72NO8P	[M+H] <sup>+</sup>	678.5074	[M+HCOO] <sup>-</sup>	722.4978
GP102	PC(29:0)	C37H74NO8P	[M+H] <sup>+</sup>	692.5230	[M+HCOO] <sup>-</sup>	736.5134
GP103	PC(15:0/14:0)	C37H74NO8P	[M+H] <sup>+</sup>	692.5230	[M+HCOO] <sup>-</sup>	736.5134
GP104	PC(16:0/14:0)	C38H76NO8P	[M+H] <sup>+</sup>	706.5387	[M+HCOO] <sup>-</sup>	750.5291
GP105	PC(14:0/17:0)/PC(16:0/15:0)	C39H78NO8P	[M+H] <sup>+</sup>	720.5543	[M+HCOO] <sup>-</sup>	764.5447
GP106	PC(16:0/15:0)	C39H78NO8P	[M+H] <sup>+</sup>	720.5543	[M+HCOO] <sup>-</sup>	764.5447
GP107	PC(16:0/16:0)	C40H80NO8P	[M+H] <sup>+</sup>	734.5700	[M+HCOO] <sup>-</sup>	778.5604
GP108	PC(16:0/16:0)	C40H80NO8P	[M+H] <sup>+</sup>	734.5700	[M+HCOO] <sup>-</sup>	778.5604
GP109	PC(16:0/17:0)	C41H82NO8P	[M+H] <sup>+</sup>	748.5856	[M+HCOO] <sup>-</sup>	792.5760
GP110	PC(17:0/16:0)	C41H82NO8P	[M+H] <sup>+</sup>	748.5856	[M+HCOO] <sup>-</sup>	792.5760
GP111	PC(18:0/16:0)	C42H84NO8P	[M+H] <sup>+</sup>	762.6013	[M+HCOO] <sup>-</sup>	806.5917
GP112	PC(35:0)	C43H86NO8P	[M+H] <sup>+</sup>	776.6169	[M+HCOO] <sup>-</sup>	820.6073
GP113	PC(35:0)	C43H86NO8P	[M+H] <sup>+</sup>	776.6169	[M+HCOO] <sup>-</sup>	820.6073
GP114	PC(36:0)	C44H88NO8P	[M+H] <sup>+</sup>	790.6326	[M+HCOO] <sup>-</sup>	834.6230
GP115	PC(28:1)	C36H70NO8P	[M+H] <sup>+</sup>	676.4917		
GP116	PC(28:1)	C36H70NO8P	[M+H] <sup>+</sup>	676.4917		
GP117	PC(28:1)	C36H70NO8P	[M+H] <sup>+</sup>	676.4917		
GP118	PC(29:1)	C37H72NO8P	[M+H] <sup>+</sup>	690.5074		
GP119	PC(16:1/14:0)	C38H74NO8P	[M+H] <sup>+</sup>	704.5230	[M+HCOO] <sup>-</sup>	748.5134
GP120	PC(30:1)	C38H74NO8P	[M+H] <sup>+</sup>	704.5230	[M+HCOO] <sup>-</sup>	748.5134
GP121	PC(15:0/16:1)	C39H76NO8P	[M+H] <sup>+</sup>	718.5387	[M+HCOO] <sup>-</sup>	762.5291
GP122	PC(31:1)	C39H76NO8P	[M+H] <sup>+</sup>	718.5387	[M+HCOO] <sup>-</sup>	762.5291
GP123	PC(31:1)	C39H76NO8P	[M+H] <sup>+</sup>	718.5387	[M+HCOO] <sup>-</sup>	762.5291
GP124	PC(31:1)	C39H76NO8P	[M+H] <sup>+</sup>	718.5387	[M+HCOO] <sup>-</sup>	762.5291
GP125	PC(31:1)	C39H76NO8P	[M+H] <sup>+</sup>	718.5387	[M+HCOO] <sup>-</sup>	762.5291
GP126	PC(16:0/16:1)	C40H78NO8P	[M+H] <sup>+</sup>	732.5543	[M+HCOO] <sup>-</sup>	776.5447
GP127	PC(32:1)	C40H78NO8P	[M+H] <sup>+</sup>	732.5543	[M+HCOO] <sup>-</sup>	776.5447
GP128	PC(32:1)	C40H78NO8P	[M+H] <sup>+</sup>	732.5543	[M+HCOO] <sup>-</sup>	776.5447
GP129	PC(32:1)	C40H78NO8P	[M+H] <sup>+</sup>	732.5543	[M+HCOO] <sup>-</sup>	776.5447
GP130	PC(33:1)	C41H80NO8P	[M+H] <sup>+</sup>	746.5700	[M+HCOO] <sup>-</sup>	790.5604
GP131	PC(33:1)	C41H80NO8P	[M+H] <sup>+</sup>	746.5700	[M+HCOO] <sup>-</sup>	790.5604
GP132	PC(33:1)	C41H80NO8P	[M+H] <sup>+</sup>	746.5700	[M+HCOO] <sup>-</sup>	790.5604
GP133	PC(33:1)	C41H80NO8P	[M+H] <sup>+</sup>	746.5700	[M+HCOO] <sup>-</sup>	790.5604
GP134	PC(16:0/18:1)	C42H82NO8P	[M+H] <sup>+</sup>	760.5856	[M+HCOO] <sup>-</sup>	804.5760
GP135	PC(34:1)	C42H82NO8P	[M+H] <sup>+</sup>	760.5856	[M+HCOO] <sup>-</sup>	804.5760
GP136	PC(35:1)	C43H84NO8P	[M+H] <sup>+</sup>	774.6013	[M+HCOO] <sup>-</sup>	818.5917
GP137	PC(17:0/18:1)	C43H84NO8P	[M+H] <sup>+</sup>	774.6013	[M+HCOO] <sup>-</sup>	818.5917
GP138	PC(18:0/18:1)	C44H86NO8P	[M+H] <sup>+</sup>	788.6169	[M+HCOO] <sup>-</sup>	832.6073
GP139	PC(37:1)	C45H88NO8P	[M+H] <sup>+</sup>	802.6326	[M+HCOO] <sup>-</sup>	846.6230
GP140	PC(38:1)	C46H90NO8P	[M+H] <sup>+</sup>	816.6482	[M+HCOO] <sup>-</sup>	860.6386
GP141	PC(40:1)	C48H94NO8P	[M+H] <sup>+</sup>	844.6795	[M+HCOO] <sup>-</sup>	888.6699
GP142	PC(40:1)	C48H94NO8P	[M+H] <sup>+</sup>	844.6795	[M+HCOO] <sup>-</sup>	888.6699
GP143	PC(42:1)	C50H98NO8P	[M+H] <sup>+</sup>	872.7108	[M+HCOO] <sup>-</sup>	916.7012
GP144	PC(32:2)	C40H76NO8P	[M+H] <sup>+</sup>	730.5387	[M+HCOO] <sup>-</sup>	774.5291
GP145	PC(14:0/18:2)	C40H76NO8P	[M+H] <sup>+</sup>	730.5387	[M+HCOO] <sup>-</sup>	774.5291
GP146	PC(16:0/16:2)	C40H76NO8P	[M+H] <sup>+</sup>	730.5387	[M+HCOO] <sup>-</sup>	774.5291
GP147	PC(32:2)	C40H76NO8P	[M+H] <sup>+</sup>	730.5387	[M+HCOO] <sup>-</sup>	774.5291
GP148	PC(33:2)	C41H78NO8P	[M+H] <sup>+</sup>	744.5543	[M+HCOO] <sup>-</sup>	788.5447
GP149	PC(16:1/18:1)	C42H80NO8P	[M+H] <sup>+</sup>	758.5700	[M+HCOO] <sup>-</sup>	802.5604
GP150	PC(34:2)	C42H80NO8P	[M+H] <sup>+</sup>	758.5700	[M+HCOO] <sup>-</sup>	802.5604
GP151	PC(16:0/18:2)	C42H80NO8P	[M+H] <sup>+</sup>	758.5700	[M+HCOO] <sup>-</sup>	802.5604
GP152	PC(34:2)	C42H80NO8P	[M+H] <sup>+</sup>	758.5700	[M+HCOO] <sup>-</sup>	802.5604
GP153	PC(35:2)	C43H82NO8P	[M+H] <sup>+</sup>	772.5856	[M+HCOO] <sup>-</sup>	816.5760
GP154	PC(35:2)	C43H82NO8P	[M+H] <sup>+</sup>	772.5856	[M+HCOO] <sup>-</sup>	816.5760
GP155	PC(18:1/18:1)	C44H84NO8P	[M+H] <sup>+</sup>	786.6013	[M+HCOO] <sup>-</sup>	830.5917
GP156	PC(18:0/18:2)	C44H84NO8P	[M+H] <sup>+</sup>	786.6013	[M+HCOO] <sup>-</sup>	830.5917
GP157	PC(38:2)	C46H88NO8P	[M+H] <sup>+</sup>	814.6326	[M+HCOO] <sup>-</sup>	858.6230

GP158	PC(38:2)	C46H88NO8P	[M+H] <sup>+</sup>	814.6326	[M+HCOO] <sup>-</sup>	858.6230
GP159	PC(39:2)	C47H90NO8P	[M+H] <sup>+</sup>	828.6482		
GP160	PC(40:2)	C48H92NO8P	[M+H] <sup>+</sup>	842.6639	[M+HCOO] <sup>-</sup>	886.6543
GP161	PC(40:2)	C48H92NO8P	[M+H] <sup>+</sup>	842.6639		
GP162	PC(42:2)	C50H96NO8P	[M+H] <sup>+</sup>	870.6952	[M+HCOO] <sup>-</sup>	914.6856
GP163	PC(42:2)	C50H96NO8P	[M+H] <sup>+</sup>	870.6952		
GP164	PC(32:3)	C40H74NO8P	[M+H] <sup>+</sup>	728.5230	[M+HCOO] <sup>-</sup>	772.5134
GP165	PC(32:3)	C40H74NO8P	[M+H] <sup>+</sup>	728.5230	[M+HCOO] <sup>-</sup>	772.5134
GP166	PC(32:3)	C40H74NO8P	[M+H] <sup>+</sup>	728.5230	[M+HCOO] <sup>-</sup>	772.5134
GP167	PC(32:3)	C40H74NO8P	[M+H] <sup>+</sup>	728.5230	[M+HCOO] <sup>-</sup>	772.5134
GP168	PC(33:3)	C41H76NO8P	[M+H] <sup>+</sup>	742.5387	[M+HCOO] <sup>-</sup>	786.5291
GP169	PC(16:1/18:2)	C42H78NO8P	[M+H] <sup>+</sup>	756.5543	[M+HCOO] <sup>-</sup>	800.5447
GP170	PC(34:3)	C42H78NO8P	[M+H] <sup>+</sup>	756.5543	[M+HCOO] <sup>-</sup>	800.5447
GP171	PC(34:3)	C42H78NO8P	[M+H] <sup>+</sup>	756.5543	[M+HCOO] <sup>-</sup>	800.5447
GP172	PC(16:0/18:3)	C42H78NO8P	[M+H] <sup>+</sup>	756.5543	[M+HCOO] <sup>-</sup>	800.5447
GP173	PC(34:3)	C42H78NO8P	[M+H] <sup>+</sup>	756.5543	[M+HCOO] <sup>-</sup>	800.5447
GP174	PC(35:3)	C43H80NO8P	[M+H] <sup>+</sup>	770.5700		
GP175	PC(18:1/18:2)	C44H82NO8P	[M+H] <sup>+</sup>	784.5856	[M+HCOO] <sup>-</sup>	828.5760
GP176	PC(36:3)	C44H82NO8P	[M+H] <sup>+</sup>	784.5856	[M+HCOO] <sup>-</sup>	828.5760
GP177	PC(36:3)	C44H82NO8P	[M+H] <sup>+</sup>	784.5856	[M+HCOO] <sup>-</sup>	828.5760
GP178	PC(18:0/18:3)	C44H82NO8P	[M+H] <sup>+</sup>	784.5856	[M+HCOO] <sup>-</sup>	828.5760
GP179	PC(37:3)	C45H84NO8P	[M+H] <sup>+</sup>	798.6013	[M+HCOO] <sup>-</sup>	842.5917
GP180	PC(38:3)	C46H86NO8P	[M+H] <sup>+</sup>	812.6169	[M+HCOO] <sup>-</sup>	856.6073
GP181	PC(38:3)	C46H86NO8P	[M+H] <sup>+</sup>	812.6169	[M+HCOO] <sup>-</sup>	856.6073
GP182	PC(38:3)	C46H86NO8P	[M+H] <sup>+</sup>	812.6169	[M+HCOO] <sup>-</sup>	856.6073
GP183	PC(40:3)	C48H90NO8P	[M+H] <sup>+</sup>	840.6482	[M+HCOO] <sup>-</sup>	884.6386
GP184	PC(40:3)	C48H90NO8P	[M+H] <sup>+</sup>	840.6482		
GP185	PC(42:3)	C50H94NO8P	[M+H] <sup>+</sup>	868.6795	[M+HCOO] <sup>-</sup>	912.6699
GP186	PC(42:3)	C50H94NO8P	[M+H] <sup>+</sup>	868.6795		
GP187	PC(44:3)	C52H98NO8P	[M+H] <sup>+</sup>	896.7108	[M+HCOO] <sup>-</sup>	940.7012
GP188	PC(34:4)	C42H76NO8P	[M+H] <sup>+</sup>	754.5387	[M+HCOO] <sup>-</sup>	798.5291
GP189	PC(34:4)	C42H76NO8P	[M+H] <sup>+</sup>	754.5387	[M+HCOO] <sup>-</sup>	798.5291
GP190	PC(34:4)	C42H76NO8P	[M+H] <sup>+</sup>	754.5387	[M+HCOO] <sup>-</sup>	798.5291
GP191	PC(16:0/18:4)	C42H76NO8P	[M+H] <sup>+</sup>	754.5387	[M+HCOO] <sup>-</sup>	798.5291
GP192	PC(35:4)	C43H78NO8P	[M+H] <sup>+</sup>	768.5543	[M+HCOO] <sup>-</sup>	812.5447
GP193	PC(18:2/18:2)	C44H80NO8P	[M+H] <sup>+</sup>	782.5700	[M+HCOO] <sup>-</sup>	826.5604
GP194	PC(36:4)	C44H80NO8P	[M+H] <sup>+</sup>	782.5700	[M+HCOO] <sup>-</sup>	826.5604
GP195	PC(16:0/20:4)	C44H80NO8P	[M+H] <sup>+</sup>	782.5700	[M+HCOO] <sup>-</sup>	826.5604
GP196	PC(37:4)	C45H82NO8P	[M+H] <sup>+</sup>	796.5856	[M+HCOO] <sup>-</sup>	840.5760
GP197	PC(37:4)	C45H82NO8P	[M+H] <sup>+</sup>	796.5856	[M+HCOO] <sup>-</sup>	840.5760
GP198	PC(38:4)	C46H84NO8P	[M+H] <sup>+</sup>	810.6013	[M+HCOO] <sup>-</sup>	854.5917
GP199	PC(38:4)	C46H84NO8P	[M+H] <sup>+</sup>	810.6013	[M+HCOO] <sup>-</sup>	854.5917
GP200	PC(18:0/20:4)	C46H84NO8P	[M+H] <sup>+</sup>	810.6013	[M+HCOO] <sup>-</sup>	854.5917
GP201	PC(40:4)	C48H88NO8P	[M+H] <sup>+</sup>	838.6326	[M+HCOO] <sup>-</sup>	882.6230
GP202	PC(40:4)	C48H88NO8P	[M+H] <sup>+</sup>	838.6326	[M+HCOO] <sup>-</sup>	882.6230
GP203	PC(40:4)	C48H88NO8P	[M+H] <sup>+</sup>	838.6326	[M+HCOO] <sup>-</sup>	882.6230
GP204	PC(42:4)	C50H92NO8P	[M+H] <sup>+</sup>	866.6639		
GP205	PC(42:4)	C50H92NO8P	[M+H] <sup>+</sup>	866.6639		
GP206	PC(42:4)	C50H92NO8P	[M+H] <sup>+</sup>	866.6639	[M+HCOO] <sup>-</sup>	910.6543
GP207	PC(42:4)	C50H92NO8P	[M+H] <sup>+</sup>	866.6639		
GP208	PC(44:4)	C52H96NO8P	[M+H] <sup>+</sup>	894.6952		
GP209	PC(44:4)	C52H96NO8P	[M+H] <sup>+</sup>	894.6952	[M+HCOO] <sup>-</sup>	938.6856
GP210	PC(34:5)	C42H74NO8P	[M+H] <sup>+</sup>	752.5230		
GP211	PC(34:5)	C42H74NO8P	[M+H] <sup>+</sup>	752.5230	[M+HCOO] <sup>-</sup>	796.5134
GP212	PC(36:5)	C44H78NO8P	[M+H] <sup>+</sup>	780.5543	[M+HCOO] <sup>-</sup>	824.5447
GP213	PC(36:5)	C44H78NO8P	[M+H] <sup>+</sup>	780.5543	[M+HCOO] <sup>-</sup>	824.5447
GP214	PC(36:5)	C44H78NO8P	[M+H] <sup>+</sup>	780.5543	[M+HCOO] <sup>-</sup>	824.5447
GP215	PC(36:5)	C44H78NO8P	[M+H] <sup>+</sup>	780.5543	[M+HCOO] <sup>-</sup>	824.5447
GP216	PC(16:0/20:5)	C44H78NO8P	[M+H] <sup>+</sup>	780.5543	[M+HCOO] <sup>-</sup>	824.5447
GP217	PC(37:5)	C45H80NO8P	[M+H] <sup>+</sup>	794.5700		
GP218	PC(37:5)	C45H80NO8P	[M+H] <sup>+</sup>	794.5700		
GP219	PC(38:5)	C46H82NO8P	[M+H] <sup>+</sup>	808.5856	[M+HCOO] <sup>-</sup>	852.5760
GP220	PC(16:0/22:5) / PC(18:0/20:5)	C46H82NO8P	[M+H] <sup>+</sup>	808.5856	[M+HCOO] <sup>-</sup>	852.5760
GP221	PC(38:5)	C46H82NO8P	[M+H] <sup>+</sup>	808.5856	[M+HCOO] <sup>-</sup>	852.5760

GP222	PC(39:5)	C47H84NO8P	[M+H] <sup>+</sup>	822.6013		
GP223	PC(40:5)	C48H86NO8P	[M+H] <sup>+</sup>	836.6169	[M+HCOO] <sup>-</sup>	880.6073
GP224	PC(40:5)	C48H86NO8P	[M+H] <sup>+</sup>	836.6169	[M+HCOO] <sup>-</sup>	880.6073
GP225	PC(42:5)	C50H90NO8P	[M+H] <sup>+</sup>	864.6482	[M+HCOO] <sup>-</sup>	908.6386
GP226	PC(42:5)	C50H90NO8P	[M+H] <sup>+</sup>	864.6482	[M+HCOO] <sup>-</sup>	908.6386
GP227	PC(42:5)	C50H90NO8P	[M+H] <sup>+</sup>	864.6482	[M+HCOO] <sup>-</sup>	908.6386
GP228	PC(44:5)	C52H94NO8P	[M+H] <sup>+</sup>	892.6795		
GP229	PC(36:6)	C44H76NO8P	[M+H] <sup>+</sup>	778.5387		
GP230	PC(36:6)	C44H76NO8P	[M+H] <sup>+</sup>	778.5387		
GP231	PC(38:6)	C46H80NO8P	[M+H] <sup>+</sup>	806.5700	[M+HCOO] <sup>-</sup>	850.5604
GP232	PC(38:6)	C46H80NO8P	[M+H] <sup>+</sup>	806.5700	[M+HCOO] <sup>-</sup>	850.5604
GP233	PC(38:6)	C46H80NO8P	[M+H] <sup>+</sup>	806.5700	[M+HCOO] <sup>-</sup>	850.5604
GP234	PC(16:0/22:6)	C46H80NO8P	[M+H] <sup>+</sup>	806.5700	[M+HCOO] <sup>-</sup>	850.5604
GP235	PC(39:6)	C47H82NO8P	[M+H] <sup>+</sup>	820.5856		
GP236	PC(40:6)	C48H84NO8P	[M+H] <sup>+</sup>	834.6013	[M+HCOO] <sup>-</sup>	878.5917
GP237	PC(40:6)	C48H84NO8P	[M+H] <sup>+</sup>	834.6013		
GP238	PC(40:6)	C48H84NO8P	[M+H] <sup>+</sup>	834.6013	[M+HCOO] <sup>-</sup>	878.5917
GP239	PC(40:6)	C48H84NO8P	[M+H] <sup>+</sup>	834.6013	[M+HCOO] <sup>-</sup>	878.5917
GP240	PC(38:7)	C46H78NO8P	[M+H] <sup>+</sup>	804.5543	[M+HCOO] <sup>-</sup>	848.5447
GP241	PC(38:7)	C46H78NO8P	[M+H] <sup>+</sup>	804.5543	[M+HCOO] <sup>-</sup>	848.5447
GP242	PC(40:7)	C48H82NO8P	[M+H] <sup>+</sup>	832.5856	[M+HCOO] <sup>-</sup>	876.5760
GP243	PC(40:7)	C48H82NO8P	[M+H] <sup>+</sup>	832.5856		
GP244	PC(40:8)	C48H80NO8P	[M+H] <sup>+</sup>	830.5700		
GP245	PC(40:8)	C48H80NO8P	[M+H] <sup>+</sup>	830.5700	[M+HCOO] <sup>-</sup>	874.5604
GP246	PC(42:8)	C50H84NO8P	[M+H] <sup>+</sup>	858.6013		
GP247	PC(44:11)	C52H82NO8P	[M+H] <sup>+</sup>	880.5856		
GP248	PC(44:12)	C52H80NO8P	[M+H] <sup>+</sup>	878.5700	[M+HCOO] <sup>-</sup>	922.5604
GP249	PCp(26:0)	C34H68NO7P	[M+H] <sup>+</sup>	634.4812		
GP250	PCp(28:0)	C36H72NO7P	[M+H] <sup>+</sup>	662.5125		
GP251	PCp(30:0)	C38H76NO7P	[M+H] <sup>+</sup>	690.5438	[M+HCOO] <sup>-</sup>	734.5341
GP252	PCp(32:0)	C40H80NO7P	[M+H] <sup>+</sup>	718.5751	[M+HCOO] <sup>-</sup>	762.5654
GP253	PCp(34:0)	C42H84NO7P	[M+H] <sup>+</sup>	746.6064	[M+HCOO] <sup>-</sup>	790.5967
GP254	PCp(32:1)	C40H78NO7P	[M+H] <sup>+</sup>	716.5594		
GP255	PCp(34:1)	C42H82NO7P	[M+H] <sup>+</sup>	744.5907	[M+HCOO] <sup>-</sup>	788.5811
GP256	PCp(36:1)	C44H86NO7P	[M+H] <sup>+</sup>	772.6220	[M+HCOO] <sup>-</sup>	816.6124
GP257	PCp(34:2)	C42H80NO7P	[M+H] <sup>+</sup>	742.5751	[M+HCOO] <sup>-</sup>	786.5654
GP258	PCp(36:2)	C44H84NO7P	[M+H] <sup>+</sup>	770.6064	[M+HCOO] <sup>-</sup>	814.5967
GP259	PCp(36:2)	C44H84NO7P	[M+H] <sup>+</sup>	770.6064	[M+HCOO] <sup>-</sup>	814.5967
GP260	PCp(36:3)	C44H82NO7P	[M+H] <sup>+</sup>	768.5907		
GP261	PCp(38:3)	C46H86NO7P	[M+H] <sup>+</sup>	796.6220	[M+HCOO] <sup>-</sup>	840.6124
GP262	PCp(40:3)	C48H90NO7P	[M+H] <sup>+</sup>	824.6533	[M+HCOO] <sup>-</sup>	868.6437
GP263	PCp(42:3)	C50H94NO7P	[M+H] <sup>+</sup>	852.6846	[M+HCOO] <sup>-</sup>	896.6750
GP264	PCp(44:3)	C52H98NO7P	[M+H] <sup>+</sup>	880.7159	[M+HCOO] <sup>-</sup>	924.7063
GP265	PCp(34:4)	C42H76NO7P			[M+HCOO] <sup>-</sup>	782.5341
GP266	PCp(36:4)	C44H80NO7P	[M+H] <sup>+</sup>	766.5751	[M+HCOO] <sup>-</sup>	810.5654
GP267	PCp(44:6)	C52H92NO7P	[M+H] <sup>+</sup>	874.6690		
GP268	PCp(45:7)	C53H92NO7P	[M+H] <sup>+</sup>	886.6690	[M+HCOO] <sup>-</sup>	930.6593
GP269	PCa(28:0)	C36H74NO7P	[M+H] <sup>+</sup>	664.5281	[M+HCOO] <sup>-</sup>	708.5185
GP270	PCa(29:0)	C37H76NO7P	[M+H] <sup>+</sup>	678.5438		
GP271	PCa(30:0)	C38H78NO7P	[M+H] <sup>+</sup>	692.5594	[M+HCOO] <sup>-</sup>	736.5498
GP272	PCa(31:0)	C39H80NO7P	[M+H] <sup>+</sup>	706.5751	[M+HCOO] <sup>-</sup>	750.5654
GP273	PC(a16:0/16:0)	C40H82NO7P	[M+H] <sup>+</sup>	720.5907	[M+HCOO] <sup>-</sup>	764.5811
GP274	PC(a18:0/16:0)	C42H86NO7P	[M+H] <sup>+</sup>	748.6220	[M+HCOO] <sup>-</sup>	792.6124
GP275	PCa(36:0)	C44H90NO7P	[M+H] <sup>+</sup>	776.6533	[M+HCOO] <sup>-</sup>	820.6437
GP276	PCa(38:0)	C46H94NO7P	[M+H] <sup>+</sup>	804.6846	[M+HCOO] <sup>-</sup>	848.6750
GP277	PCa(40:0)	C48H98NO7P	[M+H] <sup>+</sup>	832.7159	[M+HCOO] <sup>-</sup>	876.7063
GP278	PCa(30:1)	C38H76NO7P	[M+H] <sup>+</sup>	690.5438	[M+HCOO] <sup>-</sup>	734.5341
GP279	PCa(32:1)	C40H80NO7P	[M+H] <sup>+</sup>	718.5751	[M+HCOO] <sup>-</sup>	762.5654
GP280	PCa(34:1)	C42H84NO7P	[M+H] <sup>+</sup>	746.6064	[M+HCOO] <sup>-</sup>	790.5967
GP281	PCa(36:1)	C44H88NO7P	[M+H] <sup>+</sup>	774.6377	[M+HCOO] <sup>-</sup>	818.6280
GP282	PCa(38:1)	C46H92NO7P	[M+H] <sup>+</sup>	802.6690	[M+HCOO] <sup>-</sup>	846.6593
GP283	PCa(40:1)	C48H96NO7P	[M+H] <sup>+</sup>	830.7003	[M+HCOO] <sup>-</sup>	874.6906
GP284	PCa(42:1)	C50H100NO7P	[M+H] <sup>+</sup>	858.7316	[M+HCOO] <sup>-</sup>	902.7219
GP285	PCa(34:2)	C42H82NO7P	[M+H] <sup>+</sup>	744.5907	[M+HCOO] <sup>-</sup>	788.5811

GP286	PC(a18:1/18:1)	C44H86NO7P	[M+H] <sup>+</sup>	772.6220	[M+HCOO] <sup>-</sup>	816.6124
GP287	PC(a18:0/18:2)	C44H86NO7P	[M+H] <sup>+</sup>	772.6220	[M+HCOO] <sup>-</sup>	816.6124
GP288	PCa(38:2)	C46H90NO7P	[M+H] <sup>+</sup>	800.6533	[M+HCOO] <sup>-</sup>	844.6437
GP289	PCa(38:2)	C46H90NO7P	[M+H] <sup>+</sup>	800.6533	[M+HCOO] <sup>-</sup>	844.6437
GP290	PCa(40:2)	C48H94NO7P	[M+H] <sup>+</sup>	828.6846	[M+HCOO] <sup>-</sup>	872.6750
GP291	PCa(40:2)	C48H94NO7P	[M+H] <sup>+</sup>	828.6846	[M+HCOO] <sup>-</sup>	872.6750
GP292	PC(a24:1/18:1)	C50H98NO7P	[M+H] <sup>+</sup>	856.7159	[M+HCOO] <sup>-</sup>	900.7063
GP293	PCa(42:2)	C50H98NO7P	[M+H] <sup>+</sup>	856.7159	[M+HCOO] <sup>-</sup>	900.7063
GP294	PCa(34:3)	C42H80NO7P	[M+H] <sup>+</sup>	742.5751		
GP295	PC(a18:1/18:2)	C44H84NO7P	[M+H] <sup>+</sup>	770.6064	[M+HCOO] <sup>-</sup>	814.5967
GP296	PCa(36:3)	C44H84NO7P	[M+H] <sup>+</sup>	770.6064	[M+HCOO] <sup>-</sup>	814.5967
GP297	PCa(38:3)	C46H88NO7P	[M+H] <sup>+</sup>	798.6377	[M+HCOO] <sup>-</sup>	842.6280
GP298	PCa(38:3)	C46H88NO7P	[M+H] <sup>+</sup>	798.6377	[M+HCOO] <sup>-</sup>	842.6280
GP299	PC(a22:1/18:2)	C48H92NO7P	[M+H] <sup>+</sup>	826.6690	[M+HCOO] <sup>-</sup>	870.6593
GP300	PC(a24:1/18:2)	C50H96NO7P	[M+H] <sup>+</sup>	854.7003	[M+HCOO] <sup>-</sup>	898.6906
GP301	PCa(44:3)	C52H100NO7P	[M+H] <sup>+</sup>	882.7316	[M+HCOO] <sup>-</sup>	926.7219
GP302	PCa(36:4)	C44H82NO7P	[M+H] <sup>+</sup>	768.5907	[M+HCOO] <sup>-</sup>	812.5811
GP303	PCa(38:4)	C46H86NO7P	[M+H] <sup>+</sup>	796.6220	[M+HCOO] <sup>-</sup>	840.6124
GP304	PCa(38:4)	C46H86NO7P	[M+H] <sup>+</sup>	796.6220	[M+HCOO] <sup>-</sup>	840.6124
GP305	PCa(40:4)	C48H90NO7P	[M+H] <sup>+</sup>	824.6533	[M+HCOO] <sup>-</sup>	868.6437
GP306	PCa(40:4)	C48H90NO7P	[M+H] <sup>+</sup>	824.6533		
GP307	PCa(42:4)	C50H94NO7P	[M+H] <sup>+</sup>	852.6846	[M+HCOO] <sup>-</sup>	896.6750
GP308	PCa(44:4)	C52H98NO7P	[M+H] <sup>+</sup>	880.7159	[M+HCOO] <sup>-</sup>	924.7063
GP309	PCa(44:4)	C52H98NO7P	[M+H] <sup>+</sup>	880.7159	[M+HCOO] <sup>-</sup>	924.7063
GP310	PCa(46:4)	C54H102NO7P	[M+H] <sup>+</sup>	908.7472	[M+HCOO] <sup>-</sup>	952.7376
GP311	PC(a16:1/20:4)	C44H80NO7P			[M+HCOO] <sup>-</sup>	810.5654
GP312	PC(a18:1/20:4)	C46H84NO7P			[M+HCOO] <sup>-</sup>	838.5967
GP313	PCa(40:5)	C48H88NO7P	[M+H] <sup>+</sup>	822.6377	[M+HCOO] <sup>-</sup>	866.6280
GP314	PCa(40:5)	C48H88NO7P	[M+H] <sup>+</sup>	822.6377	[M+HCOO] <sup>-</sup>	866.6280
GP315	PCa(42:5)	C50H92NO7P	[M+H] <sup>+</sup>	850.6690	[M+HCOO] <sup>-</sup>	894.6593
GP316	PCa(42:5)	C50H92NO7P	[M+H] <sup>+</sup>	850.6690	[M+HCOO] <sup>-</sup>	894.6593
GP317	PCa(44:5)	C52H96NO7P	[M+H] <sup>+</sup>	878.7003		
GP318	PCa(44:5)	C52H96NO7P	[M+H] <sup>+</sup>	878.7003	[M+HCOO] <sup>-</sup>	922.6906
GP319	PCa(46:5)	C54H100NO7P	[M+H] <sup>+</sup>	906.7316	[M+HCOO] <sup>-</sup>	950.7219
GP320	PCa(46:5)	C54H100NO7P	[M+H] <sup>+</sup>	906.7316	[M+HCOO] <sup>-</sup>	950.7219
GP321	PCa(38:6)	C46H82NO7P	[M+H] <sup>+</sup>	792.5907	[M+HCOO] <sup>-</sup>	836.5811
GP322	PCa(38:6)	C46H82NO7P	[M+H] <sup>+</sup>	792.5907	[M+HCOO] <sup>-</sup>	836.5811
GP323	PCa(40:6)	C48H86NO7P			[M+HCOO] <sup>-</sup>	864.6124
GP324	PCa(42:6)	C50H90NO7P	[M+H] <sup>+</sup>	848.6533	[M+HCOO] <sup>-</sup>	892.6437
GP325	PCa(42:6)	C50H90NO7P	[M+H] <sup>+</sup>	848.6533	[M+HCOO] <sup>-</sup>	892.6437
GP326	PCa(43:6)	C51H92NO7P			[M+HCOO] <sup>-</sup>	906.6593
GP327	PCa(44:6)	C52H94NO7P	[M+H] <sup>+</sup>	876.6846	[M+HCOO] <sup>-</sup>	920.6750
GP328	PCa(46:6)	C54H98NO7P	[M+H] <sup>+</sup>	904.7159	[M+HCOO] <sup>-</sup>	948.7063
GP329	PCa(38:7)	C46H80NO7P	[M+H] <sup>+</sup>	790.5751	[M+HCOO] <sup>-</sup>	834.5654
GP330	PCa(40:7)	C48H84NO7P	[M+H] <sup>+</sup>	818.6064	[M+HCOO] <sup>-</sup>	862.5967
GP331	PCa(42:7)	C50H88NO7P	[M+H] <sup>+</sup>	846.6377	[M+HCOO] <sup>-</sup>	890.6280
GP332	PCa(44:7)	C52H92NO7P	[M+H] <sup>+</sup>	874.6690	[M+HCOO] <sup>-</sup>	918.6593
GP333	PCa(46:7)	C54H96NO7P	[M+H] <sup>+</sup>	902.7003	[M+HCOO] <sup>-</sup>	946.6906
GP334	PCa(46:7)	C54H96NO7P	[M+H] <sup>+</sup>	902.7003	[M+HCOO] <sup>-</sup>	946.6906
GP335	PCa(44:8)	C52H90NO7P	[M+H] <sup>+</sup>	872.6533		
GP336	PCa(46:8)	C54H94NO7P	[M+H] <sup>+</sup>	900.6846	[M+HCOO] <sup>-</sup>	944.6750
GP337	PE(15:0/0:0)	C20H42NO7P	[M+H] <sup>+</sup>	440.2777	[M-H] <sup>-</sup>	438.2621
GP338	PE(0:0/16:0)	C21H44NO7P	[M+H] <sup>+</sup>	454.2934	[M-H] <sup>-</sup>	452.2777
GP339	PE(16:0/0:0)	C21H44NO7P	[M+H] <sup>+</sup>	454.2934	[M-H] <sup>-</sup>	452.2777
GP340	PE(0:0/18:0)	C23H48NO7P	[M+H] <sup>+</sup>	482.3247	[M-H] <sup>-</sup>	480.3090
GP341	PE(18:0/0:0)	C23H48NO7P	[M+H] <sup>+</sup>	482.3247	[M-H] <sup>-</sup>	480.3090
GP342	PE(22:0/0:0)	C27H56NO7P	[M+H] <sup>+</sup>	538.3873		
GP343	PE(0:0/16:1)	C21H42NO7P	[M+H] <sup>+</sup>	452.2777	[M-H] <sup>-</sup>	450.2621
GP344	PE(16:1/0:0)	C21H42NO7P	[M+H] <sup>+</sup>	452.2777	[M-H] <sup>-</sup>	450.2621
GP345	PE(0:0/18:1)	C23H46NO7P	[M+H] <sup>+</sup>	480.3090	[M-H] <sup>-</sup>	478.2934
GP346	PE(18:1/0:0)	C23H46NO7P	[M+H] <sup>+</sup>	480.3090	[M-H] <sup>-</sup>	478.2934
GP347	PE(0:0/20:1)	C25H50NO7P	[M+H] <sup>+</sup>	508.3403	[M-H] <sup>-</sup>	506.3247
GP348	PE(20:1/0:0)	C25H50NO7P	[M+H] <sup>+</sup>	508.3403	[M-H] <sup>-</sup>	506.3247
GP349	PE(22:1/0:0)	C27H54NO7P	[M+H] <sup>+</sup>	536.3716	[M-H] <sup>-</sup>	534.3560

GP350	PE(24:1/0:0)	C29H58NO7P	[M+H] <sup>+</sup>	564.4029	[M-H] <sup>-</sup>	562.3873
GP351	PE(0:0/18:2)	C23H44NO7P	[M+H] <sup>+</sup>	478.2934	[M-H] <sup>-</sup>	476.2777
GP352	PE(18:2/0:0)	C23H44NO7P	[M+H] <sup>+</sup>	478.2934	[M-H] <sup>-</sup>	476.2777
GP353	PE(0:0/20:2)	C25H48NO7P	[M+H] <sup>+</sup>	506.3247	[M-H] <sup>-</sup>	504.3090
GP354	PE(20:2/0:0)	C25H48NO7P	[M+H] <sup>+</sup>	506.3247	[M-H] <sup>-</sup>	504.3090
GP355	PE(0:0/20:3)	C25H46NO7P	[M+H] <sup>+</sup>	504.3090	[M-H] <sup>-</sup>	502.2934
GP356	PE(20:3/0:0)	C25H46NO7P	[M+H] <sup>+</sup>	504.3090	[M-H] <sup>-</sup>	502.2934
GP357	PE(0:0/22:3)	C27H50NO7P	[M+H] <sup>+</sup>	532.3403	[M-H] <sup>-</sup>	530.3247
GP358	PE(22:3/0:0)	C27H50NO7P	[M+H] <sup>+</sup>	532.3403	[M-H] <sup>-</sup>	530.3247
GP359	PE(0:0/20:4)	C25H44NO7P	[M+H] <sup>+</sup>	502.2934	[M-H] <sup>-</sup>	500.2777
GP360	PE(20:4/0:0)	C25H44NO7P	[M+H] <sup>+</sup>	502.2934	[M-H] <sup>-</sup>	500.2777
GP361	PE(0:0/22:4)	C27H48NO7P	[M+H] <sup>+</sup>	530.3247	[M-H] <sup>-</sup>	528.3090
GP362	PE(22:4/0:0)	C27H48NO7P	[M+H] <sup>+</sup>	530.3247	[M-H] <sup>-</sup>	528.3090
GP363	PE(24:4/0:0)	C29H52NO7P	[M+H] <sup>+</sup>	558.3560	[M-H] <sup>-</sup>	556.3403
GP364	PE(0:0/20:5)	C25H42NO7P	[M+H] <sup>+</sup>	500.2777	[M-H] <sup>-</sup>	498.2621
GP365	PE(20:5/0:0)	C25H42NO7P	[M+H] <sup>+</sup>	500.2777	[M-H] <sup>-</sup>	498.2621
GP366	PE(0:0/22:5)	C27H46NO7P	[M+H] <sup>+</sup>	528.3090	[M-H] <sup>-</sup>	526.2934
GP367	PE(22:5/0:0)	C27H46NO7P	[M+H] <sup>+</sup>	528.3090	[M-H] <sup>-</sup>	526.2934
GP368	PE(24:5/0:0)	C29H50NO7P	[M+H] <sup>+</sup>	556.3403	[M-H] <sup>-</sup>	554.3247
GP369	PE(0:0/22:6)	C27H44NO7P	[M+H] <sup>+</sup>	526.2934	[M-H] <sup>-</sup>	524.2777
GP370	PE(22:6/0:0)	C27H44NO7P	[M+H] <sup>+</sup>	526.2934	[M-H] <sup>-</sup>	524.2777
GP371	PE(p16:0/0:0)	C21H44NO6P	[M+H] <sup>+</sup>	438.2984	[M-H] <sup>-</sup>	436.2828
GP372	PE(0:0/p18:0)*	C23H48NO6P	[M+H] <sup>+</sup>	466.3297	[M-H] <sup>-</sup>	464.3141
GP373	PE(p18:0/0:0)	C23H48NO6P	[M+H] <sup>+</sup>	466.3297	[M-H] <sup>-</sup>	464.3141
GP374	PE(p20:0/0:0)	C25H52NO6P	[M+H] <sup>+</sup>	494.3610	[M-H] <sup>-</sup>	492.3454
GP375	PE(p16:1/0:0)	C21H42NO6P	[M+H] <sup>+</sup>	436.2828		
GP376	PE(0:0/p18:1)*	C23H46NO6P	[M+H] <sup>+</sup>	464.3141	[M-H] <sup>-</sup>	462.2984
GP377	PE(p18:1/0:0)	C23H46NO6P	[M+H] <sup>+</sup>	464.3141	[M-H] <sup>-</sup>	462.2984
GP378	PE(p20:1/0:0)	C25H50NO6P	[M+H] <sup>+</sup>	492.3454	[M-H] <sup>-</sup>	490.3297
GP379	PE(0:0/p18:2)*	C23H44NO6P	[M+H] <sup>+</sup>	462.2984	[M-H] <sup>-</sup>	460.2828
GP380	PE(p18:2/0:0)	C23H44NO6P	[M+H] <sup>+</sup>	462.2984	[M-H] <sup>-</sup>	460.2828
GP381	PE(p20:2/0:0)	C25H48NO6P	[M+H] <sup>+</sup>	490.3297	[M-H] <sup>-</sup>	488.3141
GP382	PE(a16:0/0:0)	C21H46NO6P	[M+H] <sup>+</sup>	440.3141	[M-H] <sup>-</sup>	438.2984
GP383	PE(a18:0/0:0)	C23H50NO6P	[M+H] <sup>+</sup>	468.3454	[M-H] <sup>-</sup>	466.3297
GP384	PE(a20:0/0:0)	C25H54NO6P	[M+H] <sup>+</sup>	496.3767	[M-H] <sup>-</sup>	494.3610
GP385	PE(0:0/a18:1)*	C23H48NO6P	[M+H] <sup>+</sup>	466.3297	[M-H] <sup>-</sup>	464.3141
GP386	PE(a18:1/0:0)	C23H48NO6P	[M+H] <sup>+</sup>	466.3297	[M-H] <sup>-</sup>	464.3141
GP387	PE(a20:1/0:0)	C25H52NO6P	[M+H] <sup>+</sup>	494.3610	[M-H] <sup>-</sup>	492.3454
GP388	PE(a18:2/0:0)	C23H46NO6P	[M+H] <sup>+</sup>	464.3141	[M-H] <sup>-</sup>	462.2984
GP389	PE(30:0)	C35H70NO8P	[M+H] <sup>+</sup>	664.4917	[M-H] <sup>-</sup>	662.4761
GP390	PE(32:0)	C37H74NO8P	[M+H] <sup>+</sup>	692.5230	[M-H] <sup>-</sup>	690.5074
GP391	PE(34:0)	C39H78NO8P	[M+H] <sup>+</sup>	720.5543	[M-H] <sup>-</sup>	718.5387
GP392	PE(30:1)	C35H68NO8P	[M+H] <sup>+</sup>	662.4761	[M-H] <sup>-</sup>	660.4604
GP393	PE(32:1)	C37H72NO8P	[M+H] <sup>+</sup>	690.5074	[M-H] <sup>-</sup>	688.4917
GP394	PE(33:1)	C38H74NO8P	[M+H] <sup>+</sup>	704.5230	[M-H] <sup>-</sup>	702.5074
GP395	PE(16:0/18:1)	C39H76NO8P	[M+H] <sup>+</sup>	718.5387	[M-H] <sup>-</sup>	716.5230
GP396	PE(35:1)	C40H78NO8P	[M+H] <sup>+</sup>	732.5543	[M-H] <sup>-</sup>	730.5387
GP397	PE(18:0/18:1)	C41H80NO8P	[M+H] <sup>+</sup>	746.5700	[M-H] <sup>-</sup>	744.5543
GP398	PE(38:1)	C43H84NO8P	[M+H] <sup>+</sup>	774.6013	[M-H] <sup>-</sup>	772.5856
GP399	PE(40:1)	C45H88NO8P	[M+H] <sup>+</sup>	802.6326	[M-H] <sup>-</sup>	800.6169
GP400	PE(42:1)	C47H92NO8P			[M-H] <sup>-</sup>	828.6482
GP401	PE(32:2)	C37H70NO8P	[M+H] <sup>+</sup>	688.4917	[M-H] <sup>-</sup>	686.4761
GP402	PE(34:2)	C39H74NO8P	[M+H] <sup>+</sup>	716.5230	[M-H] <sup>-</sup>	714.5074
GP403	PE(16:0/18:2)	C39H74NO8P	[M+H] <sup>+</sup>	716.5230	[M-H] <sup>-</sup>	714.5074
GP404	PE(35:2)	C40H76NO8P			[M-H] <sup>-</sup>	728.5230
GP405	PE(35:2)	C40H76NO8P	[M+H] <sup>+</sup>	730.5387	[M-H] <sup>-</sup>	728.5230
GP406	PE(18:1/18:1)	C41H78NO8P	[M+H] <sup>+</sup>	744.5543	[M-H] <sup>-</sup>	742.5387
GP407	PE(18:0/18:2)	C41H78NO8P	[M+H] <sup>+</sup>	744.5543	[M-H] <sup>-</sup>	742.5387
GP408	PE(37:2)	C42H80NO8P			[M-H] <sup>-</sup>	756.5543
GP409	PE(37:2)	C42H80NO8P			[M-H] <sup>-</sup>	756.5543
GP410	PE(38:2)	C43H82NO8P			[M-H] <sup>-</sup>	770.5700
GP411	PE(38:2)	C43H82NO8P			[M-H] <sup>-</sup>	770.5700
GP412	PE(40:2)	C45H86NO8P			[M-H] <sup>-</sup>	798.6013
GP413	PE(34:3)	C39H72NO8P			[M-H] <sup>-</sup>	712.4917

GP414	PE(35:3)	C40H74NO8P			[M-H] <sup>-</sup>	726.5074
GP415	PE(18:1/18:2)	C41H76NO8P	[M+H] <sup>+</sup>	742.5387	[M-H] <sup>-</sup>	740.5230
GP416	PE(36:3)	C41H76NO8P	[M+H] <sup>+</sup>	742.5387	[M-H] <sup>-</sup>	740.5230
GP417	PE(38:3)	C43H80NO8P	[M+H] <sup>+</sup>	770.5700	[M-H] <sup>-</sup>	768.5543
GP418	PE(38:3)	C43H80NO8P	[M+H] <sup>+</sup>	770.5700	[M-H] <sup>-</sup>	768.5543
GP419	PE(34:4)	C39H70NO8P			[M-H] <sup>-</sup>	710.4761
GP420	PE(16:0/20:4)	C41H74NO8P	[M+H] <sup>+</sup>	740.5230	[M-H] <sup>-</sup>	738.5074
GP421	PE(37:4)	C42H76NO8P	[M+H] <sup>+</sup>	754.5387	[M-H] <sup>-</sup>	752.5230
GP422	PE(38:4)	C43H78NO8P	[M+H] <sup>+</sup>	768.5543	[M-H] <sup>-</sup>	766.5387
GP423	PE(18:0/20:4)	C43H78NO8P	[M+H] <sup>+</sup>	768.5543	[M-H] <sup>-</sup>	766.5387
GP424	PE(40:4)	C45H82NO8P	[M+H] <sup>+</sup>	796.5856	[M-H] <sup>-</sup>	794.5700
GP425	PE(36:5)	C41H72NO8P	[M+H] <sup>+</sup>	738.5074	[M-H] <sup>-</sup>	736.4917
GP426	PE(18:1/20:5)	C43H76NO8P	[M+H] <sup>+</sup>	766.5387	[M-H] <sup>-</sup>	764.5230
GP427	PE(42:5)	C47H84NO8P			[M-H] <sup>-</sup>	820.5856
GP428	PE(38:6)	C43H74NO8P	[M+H] <sup>+</sup>	764.5230	[M-H] <sup>-</sup>	762.5074
GP429	PE(38:6)	C43H74NO8P	[M+H] <sup>+</sup>	764.5230	[M-H] <sup>-</sup>	762.5074
GP430	PE(40:6)	C45H78NO8P	[M+H] <sup>+</sup>	792.5543	[M-H] <sup>-</sup>	790.5387
GP431	PE(40:7)	C45H76NO8P			[M-H] <sup>-</sup>	788.5230
GP432	PE(40:7)	C45H76NO8P	[M+H] <sup>+</sup>	790.5387	[M-H] <sup>-</sup>	788.5230
GP433	PE(44:12)	C49H74NO8P	[M+H] <sup>+</sup>	836.5230	[M-H] <sup>-</sup>	834.5074
GP434	PEp(28:0)	C33H66NO7P	[M+H] <sup>+</sup>	620.4655	[M-H] <sup>-</sup>	618.4499
GP435	PEp(32:0)	C37H74NO7P	[M+H] <sup>+</sup>	676.5281	[M-H] <sup>-</sup>	674.5125
GP436	PEp(34:0)	C39H78NO7P	[M+H] <sup>+</sup>	704.5594	[M-H] <sup>-</sup>	702.5438
GP437	PEp(32:1)	C37H72NO7P	[M+H] <sup>+</sup>	674.5125	[M-H] <sup>-</sup>	672.4968
GP438	PEp(33:1)	C38H74NO7P	[M+H] <sup>+</sup>	688.5281	[M-H] <sup>-</sup>	686.5125
GP439	PE(p16:0/18:1)	C39H76NO7P	[M+H] <sup>+</sup>	702.5438	[M-H] <sup>-</sup>	700.5281
GP440	PEp(35:1)	C40H78NO7P	[M+H] <sup>+</sup>	716.5594	[M-H] <sup>-</sup>	714.5438
GP441	PE(p18:0/18:1)	C41H80NO7P	[M+H] <sup>+</sup>	730.5751	[M-H] <sup>-</sup>	728.5594
GP442	PEp(38:1)	C43H84NO7P	[M+H] <sup>+</sup>	758.6064	[M-H] <sup>-</sup>	756.5907
GP443	PEp(39:1)	C44H86NO7P	[M+H] <sup>+</sup>	772.6220	[M-H] <sup>-</sup>	770.6064
GP444	PEp(40:1)	C45H88NO7P	[M+H] <sup>+</sup>	786.6377	[M-H] <sup>-</sup>	784.6220
GP445	PEp(42:1)	C47H92NO7P	[M+H] <sup>+</sup>	814.6690	[M-H] <sup>-</sup>	812.6533
GP446	PE(p16:0/18:2)	C39H74NO7P	[M+H] <sup>+</sup>	700.5281	[M-H] <sup>-</sup>	698.5125
GP447	PEp(34:2)	C39H74NO7P	[M+H] <sup>+</sup>	700.5281	[M-H] <sup>-</sup>	698.5125
GP448	PEp(35:2)	C40H76NO7P			[M-H] <sup>-</sup>	712.5281
GP449	PEp(35:2)	C40H76NO7P			[M-H] <sup>-</sup>	712.5281
GP450	PEp(36:2)	C41H78NO7P	[M+H] <sup>+</sup>	728.5594	[M-H] <sup>-</sup>	726.5438
GP451	PE(p18:0/18:2)	C41H78NO7P	[M+H] <sup>+</sup>	728.5594	[M-H] <sup>-</sup>	726.5438
GP452	PE(p20:1/18:1)	C43H82NO7P	[M+H] <sup>+</sup>	756.5907	[M-H] <sup>-</sup>	754.5751
GP453	PEp(38:2)	C43H82NO7P	[M+H] <sup>+</sup>	756.5907	[M-H] <sup>-</sup>	754.5751
GP454	PE(p22:1/18:1)	C45H86NO7P	[M+H] <sup>+</sup>	784.6220	[M-H] <sup>-</sup>	782.6064
GP455	PEp(40:2)	C45H86NO7P	[M+H] <sup>+</sup>	784.6220	[M-H] <sup>-</sup>	782.6064
GP456	PEp(42:2)	C47H90NO7P	[M+H] <sup>+</sup>	812.6533	[M-H] <sup>-</sup>	810.6377
GP457	PEp(44:2)	C49H94NO7P	[M+H] <sup>+</sup>	840.6846	[M-H] <sup>-</sup>	838.6690
GP458	PEp(34:3)	C39H72NO7P	[M+H] <sup>+</sup>	698.5125	[M-H] <sup>-</sup>	696.4968
GP459	PEp(36:3)	C41H76NO7P	[M+H] <sup>+</sup>	726.5438	[M-H] <sup>-</sup>	724.5281
GP460	PE(p16:0/20:3)	C41H76NO7P	[M+H] <sup>+</sup>	726.5438	[M-H] <sup>-</sup>	724.5281
GP461	PE(p18:0/20:3)	C43H80NO7P	[M+H] <sup>+</sup>	754.5751	[M-H] <sup>-</sup>	752.5594
GP462	PEp(38:3)	C43H80NO7P	[M+H] <sup>+</sup>	754.5751	[M-H] <sup>-</sup>	752.5594
GP463	PEp(40:3)	C45H84NO7P	[M+H] <sup>+</sup>	782.6064	[M-H] <sup>-</sup>	780.5907
GP464	PEp(40:3)	C45H84NO7P	[M+H] <sup>+</sup>	782.6064	[M-H] <sup>-</sup>	780.5907
GP465	PEp(42:3)	C47H88NO7P	[M+H] <sup>+</sup>	810.6377	[M-H] <sup>-</sup>	808.6220
GP466	PEp(42:3)	C47H88NO7P	[M+H] <sup>+</sup>	810.6377	[M-H] <sup>-</sup>	808.6220
GP467	PEp(44:3)	C49H92NO7P	[M+H] <sup>+</sup>	838.6690	[M-H] <sup>-</sup>	836.6533
GP468	PEp(44:3)	C49H92NO7P	[M+H] <sup>+</sup>	838.6690	[M-H] <sup>-</sup>	836.6533
GP469	PEp(34:4)	C39H70NO7P	[M+H] <sup>+</sup>	696.4968	[M-H] <sup>-</sup>	694.4812
GP470	PEp(35:4)	C40H72NO7P	[M+H] <sup>+</sup>	710.5125	[M-H] <sup>-</sup>	708.4968
GP471	PE(p16:0/20:4)	C41H74NO7P	[M+H] <sup>+</sup>	724.5281	[M-H] <sup>-</sup>	722.5125
GP472	PEp(37:4)	C42H76NO7P	[M+H] <sup>+</sup>	738.5438	[M-H] <sup>-</sup>	736.5281
GP473	PE(p17:0/20:4)	C42H76NO7P	[M+H] <sup>+</sup>	738.5438	[M-H] <sup>-</sup>	736.5281
GP474	PE(p16:0/22:4)	C43H78NO7P	[M+H] <sup>+</sup>	752.5594	[M-H] <sup>-</sup>	750.5438
GP475	PE(p18:0/20:4)	C43H78NO7P	[M+H] <sup>+</sup>	752.5594	[M-H] <sup>-</sup>	750.5438
GP476	PE(p18:0/22:4)	C45H82NO7P	[M+H] <sup>+</sup>	780.5907	[M-H] <sup>-</sup>	778.5751
GP477	PEp(40:4)	C45H82NO7P	[M+H] <sup>+</sup>	780.5907	[M-H] <sup>-</sup>	778.5751

GP478	PEp(42:4)	C47H86NO7P	[M+H] <sup>+</sup>	808.6220	[M-H] <sup>-</sup>	806.6064
GP479	PEp(42:4)	C47H86NO7P	[M+H] <sup>+</sup>	808.6220	[M-H] <sup>-</sup>	806.6064
GP480	PEp(42:4)	C47H86NO7P	[M+H] <sup>+</sup>	808.6220	[M-H] <sup>-</sup>	806.6064
GP481	PEp(44:4)	C49H90NO7P	[M+H] <sup>+</sup>	836.6533	[M-H] <sup>-</sup>	834.6377
GP482	PEp(44:4)	C49H90NO7P	[M+H] <sup>+</sup>	836.6533	[M-H] <sup>-</sup>	834.6377
GP483	PE(p16:0/20:5)	C41H72NO7P	[M+H] <sup>+</sup>	722.5125	[M-H] <sup>-</sup>	720.4968
GP484	PEp(38:5)	C43H76NO7P	[M+H] <sup>+</sup>	750.5438	[M-H] <sup>-</sup>	748.5281
GP485	PEp(38:5)	C43H76NO7P	[M+H] <sup>+</sup>	750.5438	[M-H] <sup>-</sup>	748.5281
GP486	PEp(39:5)	C44H78NO7P			[M-H] <sup>-</sup>	762.5438
GP487	PE(p18:0/22:5)	C45H80NO7P	[M+H] <sup>+</sup>	778.5751	[M-H] <sup>-</sup>	776.5594
GP488	PEp(42:5)	C47H84NO7P	[M+H] <sup>+</sup>	806.6064	[M-H] <sup>-</sup>	804.5907
GP489	PEp(44:5)	C49H88NO7P	[M+H] <sup>+</sup>	834.6377	[M-H] <sup>-</sup>	832.6220
GP490	PEp(37:6)	C42H72NO7P			[M-H] <sup>-</sup>	732.4968
GP491	PEp(38:6)	C43H74NO7P	[M+H] <sup>+</sup>	748.5281	[M-H] <sup>-</sup>	746.5125
GP492	PE(p16:0/22:6)	C43H74NO7P	[M+H] <sup>+</sup>	748.5281	[M-H] <sup>-</sup>	746.5125
GP493	PEp(39:6)	C44H76NO7P	[M+H] <sup>+</sup>	762.5438	[M-H] <sup>-</sup>	760.5281
GP494	PE(p17:0/22:6)	C44H76NO7P	[M+H] <sup>+</sup>	762.5438	[M-H] <sup>-</sup>	760.5281
GP495	PEp(40:6)	C45H78NO7P			[M-H] <sup>-</sup>	774.5438
GP496	PE(p18:0/22:6)	C45H78NO7P	[M+H] <sup>+</sup>	776.5594	[M-H] <sup>-</sup>	774.5438
GP497	PEp(42:6)	C47H82NO7P	[M+H] <sup>+</sup>	804.5907	[M-H] <sup>-</sup>	802.5751
GP498	PEp(44:6)	C49H86NO7P	[M+H] <sup>+</sup>	832.6220	[M-H] <sup>-</sup>	830.6064
GP499	PE(p18:1/22:6)	C45H76NO7P	[M+H] <sup>+</sup>	774.5438	[M-H] <sup>-</sup>	772.5281
GP500	PEp(42:7)	C47H80NO7P	[M+H] <sup>+</sup>	802.5751	[M-H] <sup>-</sup>	800.5594
GP501	PEp(44:7)	C49H84NO7P	[M+H] <sup>+</sup>	830.6064	[M-H] <sup>-</sup>	828.5907
GP502	PEp(46:7)	C51H88NO7P	[M+H] <sup>+</sup>	858.6377	[M-H] <sup>-</sup>	856.6220
GP503	PEp(41:8)	C46H76NO7P	[M+H] <sup>+</sup>	786.5438	[M-H] <sup>-</sup>	784.5281
GP504	PEp(42:8)	C47H78NO7P	[M+H] <sup>+</sup>	800.5594	[M-H] <sup>-</sup>	798.5438
GP505	PEp(42:10)	C47H74NO7P	[M+H] <sup>+</sup>	796.5281		
GP506	PEp(42:10)	C47H74NO7P	[M+H] <sup>+</sup>	796.5281		
GP507	PEp(44:12)	C49H74NO7P	[M+H] <sup>+</sup>	820.5281	[M-H] <sup>-</sup>	818.5125
GP508	PEa(34:1)	C39H78NO7P	[M+H] <sup>+</sup>	704.5594	[M-H] <sup>-</sup>	702.5438
GP509	PEa(36:1)	C41H82NO7P	[M+H] <sup>+</sup>	732.5907	[M-H] <sup>-</sup>	730.5751
GP510	PEa(32:2)	C37H72NO7P			[M-H] <sup>-</sup>	672.4968
GP511	PEa(34:2)	C39H76NO7P	[M+H] <sup>+</sup>	702.5438	[M-H] <sup>-</sup>	700.5281
GP512	PEa(36:2)	C41H80NO7P	[M+H] <sup>+</sup>	730.5751	[M-H] <sup>-</sup>	728.5594
GP513	PEa(38:2)	C43H84NO7P	[M+H] <sup>+</sup>	758.6064	[M-H] <sup>-</sup>	756.5907
GP514	PEa(40:2)	C45H88NO7P	[M+H] <sup>+</sup>	786.6377	[M-H] <sup>-</sup>	784.6220
GP515	PEa(42:2)	C47H92NO7P	[M+H] <sup>+</sup>	814.6690	[M-H] <sup>-</sup>	812.6533
GP516	PEa(34:3)	C39H74NO7P	[M+H] <sup>+</sup>	700.5281	[M-H] <sup>-</sup>	698.5125
GP517	PEa(36:3)	C41H78NO7P	[M+H] <sup>+</sup>	728.5594	[M-H] <sup>-</sup>	726.5438
GP518	PEa(38:3)	C43H82NO7P	[M+H] <sup>+</sup>	756.5907	[M-H] <sup>-</sup>	754.5751
GP519	PEa(44:3)	C49H94NO7P	[M+H] <sup>+</sup>	840.6846	[M-H] <sup>-</sup>	838.6690
GP520	PEa(36:4)	C41H76NO7P	[M+H] <sup>+</sup>	726.5438	[M-H] <sup>-</sup>	724.5281
GP521	PE(a18:0/20:4)	C43H80NO7P	[M+H] <sup>+</sup>	754.5751	[M-H] <sup>-</sup>	752.5594
GP522	PEa(40:4)	C45H84NO7P	[M+H] <sup>+</sup>	782.6064	[M-H] <sup>-</sup>	780.5907
GP523	PEa(36:5)	C41H74NO7P	[M+H] <sup>+</sup>	724.5281	[M-H] <sup>-</sup>	722.5125
GP524	PEa(38:5)	C43H78NO7P	[M+H] <sup>+</sup>	752.5594	[M-H] <sup>-</sup>	750.5438
GP525	PEa(40:5)	C45H82NO7P	[M+H] <sup>+</sup>	780.5907	[M-H] <sup>-</sup>	778.5751
GP526	PEa(39:6)	C44H78NO7P			[M-H] <sup>-</sup>	762.5438
GP527	PEa(40:6)	C45H80NO7P	[M+H] <sup>+</sup>	778.5751	[M-H] <sup>-</sup>	776.5594
GP528	PG(0:0/16:0)	C22H45O9P			[M-H] <sup>-</sup>	483.2723
GP529	PG(16:0/0:0)	C22H45O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	502.3139	[M-H] <sup>-</sup>	483.2723
GP530	PG(17:0/0:0)	C23H47O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	516.3296	[M-H] <sup>-</sup>	497.2879
GP531	PG(0:0/18:0)	C24H49O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	530.3452	[M-H] <sup>-</sup>	511.3036
GP532	PG(18:0/0:0)	C24H49O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	530.3452	[M-H] <sup>-</sup>	511.3036
GP533	PG(0:0/16:1)	C22H43O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	500.2983	[M-H] <sup>-</sup>	481.2566
GP534	PG(16:1/0:0)	C22H43O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	500.2983	[M-H] <sup>-</sup>	481.2566
GP535	PG(17:1/0:0)	C23H45O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	514.3139	[M-H] <sup>-</sup>	495.2723
GP536	PG(0:0/18:1)	C24H47O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	528.3296	[M-H] <sup>-</sup>	509.2879
GP537	PG(18:1/0:0)	C24H47O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	528.3296	[M-H] <sup>-</sup>	509.2879
GP538	PG(20:1/0:0)	C26H51O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	556.3609	[M-H] <sup>-</sup>	537.3192
GP539	PG(0:0/18:2)	C24H45O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	526.3139	[M-H] <sup>-</sup>	507.2723
GP540	PG(18:2/0:0)	C24H45O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	526.3139	[M-H] <sup>-</sup>	507.2723
GP541	PG(20:2/0:0)	C26H49O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	554.3452	[M-H] <sup>-</sup>	535.3036

GP542	PG(18:3/0:0)	C24H43O9P			[M-H] <sup>-</sup>	505.2566
GP543	PG(0:0/20:3)	C26H47O9P			[M-H] <sup>-</sup>	533.2879
GP544	PG(20:3/0:0)	C26H47O9P			[M-H] <sup>-</sup>	533.2879
GP545	PG(20:4/0:0)	C26H45O9P			[M-H] <sup>-</sup>	531.2723
GP546	PG(0:0/22:6)	C28H45O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	574.3139	[M-H] <sup>-</sup>	555.2723
GP547	PG(22:6/0:0)	C28H45O9P	[M+NH <sub>4</sub> ] <sup>+</sup>	574.3139	[M-H] <sup>-</sup>	555.2723
GP548	PG(32:0)	C38H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	740.5436	[M-H] <sup>-</sup>	721.5020
GP549	PG(33:0)	C39H77O10P			[M-H] <sup>-</sup>	735.5176
GP550	PG(33:0)	C39H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	754.5592	[M-H] <sup>-</sup>	735.5176
GP551	PG(34:0)	C40H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	768.5749	[M-H] <sup>-</sup>	749.5333
GP552	PG(36:0)	C42H83O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	796.6062	[M-H] <sup>-</sup>	777.5646
GP553	PG(30:1)	C36H69O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	710.4966	[M-H] <sup>-</sup>	691.4550
GP554	PG(32:1)	C38H73O10P			[M-H] <sup>-</sup>	719.4863
GP555	PG(32:1)	C38H73O10P			[M-H] <sup>-</sup>	719.4863
GP556	PG(16:0/16:1)	C38H73O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	738.5279	[M-H] <sup>-</sup>	719.4863
GP557	PG(33:1)	C39H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	752.5436	[M-H] <sup>-</sup>	733.5020
GP558	PG(34:1)	C40H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	766.5592	[M-H] <sup>-</sup>	747.5176
GP559	PG(34:1)	C40H77O10P			[M-H] <sup>-</sup>	747.5176
GP560	PG(16:0/18:1)	C40H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	766.5592	[M-H] <sup>-</sup>	747.5176
GP561	PG(34:1)	C40H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	766.5592	[M-H] <sup>-</sup>	747.5176
GP562	PG(18:0/18:1)	C42H81O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	794.5905	[M-H] <sup>-</sup>	775.5489
GP563	PG(18:1/18:0)	C42H81O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	794.5905	[M-H] <sup>-</sup>	775.5489
GP564	PG(36:1)	C42H81O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	794.5905	[M-H] <sup>-</sup>	775.5489
GP565	PG(38:1)	C44H85O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	822.6218		
GP566	PG(33:2)	C39H73O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	750.5279		
GP567	PG(33:2)	C39H73O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	750.5279		
GP568	PG(16:1/18:1)	C40H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	764.5436	[M-H] <sup>-</sup>	745.5020
GP569	PG(16:0/18:2)	C40H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	764.5436	[M-H] <sup>-</sup>	745.5020
GP570	PG(35:2)	C41H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	778.5592	[M-H] <sup>-</sup>	759.5176
GP571	PG(35:2)	C41H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	778.5592	[M-H] <sup>-</sup>	759.5176
GP572	PG(36:2)	C42H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	792.5749	[M-H] <sup>-</sup>	773.5333
GP573	PG(36:2)	C42H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	792.5749	[M-H] <sup>-</sup>	773.5333
GP574	PG(38:2)	C44H83O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	820.6062	[M-H] <sup>-</sup>	801.5646
GP575	PG(38:2)	C44H83O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	820.6062	[M-H] <sup>-</sup>	801.5646
GP576	PG(34:3)	C40H73O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	762.5279	[M-H] <sup>-</sup>	743.4863
GP577	PG(35:3)	C41H75O10P			[M-H] <sup>-</sup>	757.5020
GP578	PG(18:1/18:2)	C42H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	790.5592	[M-H] <sup>-</sup>	771.5176
GP579	PG(18:2/18:1)	C42H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	790.5592	[M-H] <sup>-</sup>	771.5176
GP580	PG(36:3)	C42H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	790.5592	[M-H] <sup>-</sup>	771.5176
GP581	PG(36:3)	C42H77O10P			[M-H] <sup>-</sup>	771.5176
GP582	PG(36:3)	C42H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	790.5592	[M-H] <sup>-</sup>	771.5176
GP583	PG(36:3)	C42H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	790.5592	[M-H] <sup>-</sup>	771.5176
GP584	PG(38:3)	C44H81O10P			[M-H] <sup>-</sup>	799.5489
GP585	PG(38:3)	C44H81O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	818.5905	[M-H] <sup>-</sup>	799.5489
GP586	PG(36:4)	C42H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	788.5436	[M-H] <sup>-</sup>	769.5020
GP587	PG(36:4)	C42H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	788.5436	[M-H] <sup>-</sup>	769.5020
GP588	PG(36:4)	C42H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	788.5436	[M-H] <sup>-</sup>	769.5020
GP589	PG(36:4)	C42H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	788.5436	[M-H] <sup>-</sup>	769.5020
GP590	PG(36:4)	C42H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	788.5436	[M-H] <sup>-</sup>	769.5020
GP591	PG(36:4)	C42H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	788.5436	[M-H] <sup>-</sup>	769.5020
GP592	PG(16:0/20:4)	C42H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	788.5436	[M-H] <sup>-</sup>	769.5020
GP593	PG(37:4)	C43H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	802.5592	[M-H] <sup>-</sup>	783.5176
GP594	PG(38:4)	C44H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	816.5749	[M-H] <sup>-</sup>	797.5333
GP595	PG(38:4)	C44H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	816.5749	[M-H] <sup>-</sup>	797.5333
GP596	PG(38:4)	C44H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	816.5749	[M-H] <sup>-</sup>	797.5333
GP597	PG(38:4)	C44H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	816.5749	[M-H] <sup>-</sup>	797.5333
GP598	PG(18:0/20:4)	C44H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	816.5749	[M-H] <sup>-</sup>	797.5333
GP599	PG(36:5)	C42H73O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	786.5279	[M-H] <sup>-</sup>	767.4863
GP600	PG(38:5)	C44H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	814.5592	[M-H] <sup>-</sup>	795.5176
GP601	PG(38:5)	C44H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	814.5592	[M-H] <sup>-</sup>	795.5176
GP602	PG(16:0/22:5)	C44H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	814.5592	[M-H] <sup>-</sup>	795.5176
GP603	PG(38:5)	C44H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	814.5592	[M-H] <sup>-</sup>	795.5176
GP604	PG(38:5)	C44H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	814.5592	[M-H] <sup>-</sup>	795.5176
GP605	PG(40:5)	C46H81O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	842.5905	[M-H] <sup>-</sup>	823.5489

GP606	PG(40:5)	C46H81O10P			[M-H] <sup>-</sup>	823.5489
GP607	PG(40:5)	C46H81O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	842.5905	[M-H] <sup>-</sup>	823.5489
GP608	PG(38:6)	C44H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	812.5436	[M-H] <sup>-</sup>	793.5020
GP609	PG(38:6)	C44H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	812.5436	[M-H] <sup>-</sup>	793.5020
GP610	PG(38:6)	C44H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	812.5436	[M-H] <sup>-</sup>	793.5020
GP611	PG(38:6)	C44H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	812.5436	[M-H] <sup>-</sup>	793.5020
GP612	PG(38:6)	C44H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	812.5436	[M-H] <sup>-</sup>	793.5020
GP613	PG(39:6)	C45H77O10P			[M-H] <sup>-</sup>	807.5176
GP614	PG(39:6)	C45H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	826.5592	[M-H] <sup>-</sup>	807.5176
GP615	PG(40:6)	C46H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	840.5749	[M-H] <sup>-</sup>	821.5333
GP616	PG(40:6)	C46H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	840.5749	[M-H] <sup>-</sup>	821.5333
GP617	PG(40:6)	C46H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	840.5749	[M-H] <sup>-</sup>	821.5333
GP618	PG(40:6)	C46H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	840.5749	[M-H] <sup>-</sup>	821.5333
GP619	PG(18:0/22:6)	C46H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	840.5749	[M-H] <sup>-</sup>	821.5333
GP620	PG(40:6)	C46H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	840.5749	[M-H] <sup>-</sup>	821.5333
GP621	PG(40:6)	C46H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	840.5749	[M-H] <sup>-</sup>	821.5333
GP622	PG(38:7)	C44H73O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	810.5279	[M-H] <sup>-</sup>	791.4863
GP623	PG(40:7)	C46H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	838.5592	[M-H] <sup>-</sup>	819.5176
GP624	PG(18:1/22:6)	C46H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	838.5592	[M-H] <sup>-</sup>	819.5176
GP625	PG(40:7)	C46H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	838.5592	[M-H] <sup>-</sup>	819.5176
GP626	PG(40:7)	C46H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	838.5592	[M-H] <sup>-</sup>	819.5176
GP627	PG(40:8)	C46H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	836.5436	[M-H] <sup>-</sup>	817.5020
GP628	PG(40:8)	C46H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	836.5436	[M-H] <sup>-</sup>	817.5020
GP629	PG(40:8)	C46H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	836.5436	[M-H] <sup>-</sup>	817.5020
GP630	PG(42:10)	C48H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	860.5436	[M-H] <sup>-</sup>	841.5020
GP631	PG(42:10)	C48H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	860.5436	[M-H] <sup>-</sup>	841.5020
GP632	PG(44:10)	C50H79O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	888.5749	[M-H] <sup>-</sup>	869.5333
GP633	PG(44:11)	C50H77O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	886.5592	[M-H] <sup>-</sup>	867.5176
GP634	PG(44:12)	C50H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	884.5436	[M-H] <sup>-</sup>	865.5020
GP635	PG(44:12)	C50H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	884.5436	[M-H] <sup>-</sup>	865.5020
GP636	PG(44:12)	C50H75O10P	[M+NH <sub>4</sub> ] <sup>+</sup>	884.5436		
GP637	PI(16:0/0:0)	C25H49O12P			[M-H] <sup>-</sup>	571.2883
GP638	PI(18:0/0:0)	C27H53O12P			[M-H] <sup>-</sup>	599.3196
GP639	PI(0:0/18:1)	C27H51O12P			[M-H] <sup>-</sup>	597.3040
GP640	PI(18:1/0:0)	C27H51O12P			[M-H] <sup>-</sup>	597.3040
GP641	PI(22:1/0:0)	C31H59O12P			[M-H] <sup>-</sup>	653.3666
GP642	PI(32:0)	C41H79O13P	[M+H] <sup>+</sup>	828.5596	[M-H] <sup>-</sup>	809.5180
GP643	PI(34:0)	C43H83O13P	[M+H] <sup>+</sup>	856.5909	[M-H] <sup>-</sup>	837.5493
GP644	PI(32:1)	C41H77O13P			[M-H] <sup>-</sup>	807.5024
GP645	PI(16:0/18:1)	C43H81O13P	[M+H] <sup>+</sup>	854.5753	[M-H] <sup>-</sup>	835.5337
GP646	PI(35:1)	C44H83O13P	[M+H] <sup>+</sup>	868.5909	[M-H] <sup>-</sup>	849.5493
GP647	PI(18:1/18:0)	C45H85O13P	[M+H] <sup>+</sup>	882.6066	[M-H] <sup>-</sup>	863.5650
GP648	PI(34:2)	C43H79O13P	[M+H] <sup>+</sup>	852.5596	[M-H] <sup>-</sup>	833.5180
GP649	PI(16:0/18:2)	C43H79O13P	[M+H] <sup>+</sup>	852.5596	[M-H] <sup>-</sup>	833.5180
GP650	PI(35:2)	C44H81O13P	[M+H] <sup>+</sup>	866.5753	[M-H] <sup>-</sup>	847.5337
GP651	PI(35:2)	C44H81O13P	[M+H] <sup>+</sup>	866.5753	[M-H] <sup>-</sup>	847.5337
GP652	PI(18:1/18:1)	C45H83O13P	[M+H] <sup>+</sup>	880.5909	[M-H] <sup>-</sup>	861.5493
GP653	PI(18:0/18:2)	C45H83O13P	[M+H] <sup>+</sup>	880.5909	[M-H] <sup>-</sup>	861.5493
GP654	PI(38:2)	C47H87O13P	[M+H] <sup>+</sup>	908.6222	[M-H] <sup>-</sup>	889.5806
GP655	PI(18:2/18:1)	C45H81O13P	[M+H] <sup>+</sup>	878.5753	[M-H] <sup>-</sup>	859.5337
GP656	PI(36:3)	C45H81O13P	[M+H] <sup>+</sup>	878.5753	[M-H] <sup>-</sup>	859.5337
GP657	PI(38:3)	C47H85O13P	[M+H] <sup>+</sup>	906.6066	[M-H] <sup>-</sup>	887.5650
GP658	PI(38:3)	C47H85O13P	[M+H] <sup>+</sup>	906.6066	[M-H] <sup>-</sup>	887.5650
GP659	PI(22:0/18:3)	C49H89O13P			[M-H] <sup>-</sup>	915.5963
GP660	PI(16:0/20:4)	C45H79O13P	[M+H] <sup>+</sup>	876.5596	[M-H] <sup>-</sup>	857.5180
GP661	PI(38:4)	C47H83O13P	[M+H] <sup>+</sup>	904.5909	[M-H] <sup>-</sup>	885.5493
GP662	PI(38:4)	C47H83O13P	[M+H] <sup>+</sup>	904.5909	[M-H] <sup>-</sup>	885.5493
GP663	PI(18:0/20:4)	C47H83O13P	[M+H] <sup>+</sup>	904.5909	[M-H] <sup>-</sup>	885.5493
GP664	PI(40:4)	C49H87O13P	[M+H] <sup>+</sup>	932.6222	[M-H] <sup>-</sup>	913.5806
GP665	PI(38:5)	C47H81O13P	[M+H] <sup>+</sup>	902.5753	[M-H] <sup>-</sup>	883.5337
GP666	PI(38:5)	C47H81O13P	[M+H] <sup>+</sup>	902.5753	[M-H] <sup>-</sup>	883.5337
GP667	PI(40:5)	C49H85O13P	[M+H] <sup>+</sup>	930.6066	[M-H] <sup>-</sup>	911.5650
GP668	PI(40:5)	C49H85O13P	[M+H] <sup>+</sup>	930.6066	[M-H] <sup>-</sup>	911.5650
GP669	PI(16:0/22:6)	C47H79O13P	[M+H] <sup>+</sup>	900.5596	[M-H] <sup>-</sup>	881.5180

GP670	PI(39:6)	C48H81O13P	[M+H] <sup>+</sup>	914.5753		
GP671	PI(40:6)	C49H83O13P	[M+H] <sup>+</sup>	928.5909	[M-H] <sup>-</sup>	909.5493
GP672	PI(40:6)	C49H83O13P	[M+H] <sup>+</sup>	928.5909	[M-H] <sup>-</sup>	909.5493
GP673	PI(40:7)	C49H81O13P	[M+H] <sup>+</sup>	926.5753	[M-H] <sup>-</sup>	907.5337
GP674	PS(34:1)	C40H76NO10P	[M+H] <sup>+</sup>	762.5285	[M-H] <sup>-</sup>	760.5129
GP675	PS(18:0/18:1)	C42H80NO10P	[M+H] <sup>+</sup>	790.5598	[M-H] <sup>-</sup>	788.5442
GP676	PS(38:1)	C44H84NO10P	[M+H] <sup>+</sup>	818.5911		
GP677	PS(38:1)	C44H84NO10P	[M+H] <sup>+</sup>	818.5911		
GP678	PS(34:2)	C40H74NO10P	[M+H] <sup>+</sup>	760.5129	[M-H] <sup>-</sup>	758.4972
GP679	PS(36:2)	C42H78NO10P	[M+H] <sup>+</sup>	788.5442	[M-H] <sup>-</sup>	786.5285
GP680	PS(38:2)	C44H82NO10P	[M+H] <sup>+</sup>	816.5755		
GP681	PS(36:3)	C42H76NO10P	[M+H] <sup>+</sup>	786.5285	[M-H] <sup>-</sup>	784.5129
GP682	PS(36:3)	C42H76NO10P	[M+H] <sup>+</sup>	786.5285		
GP683	PS(38:3)	C44H80NO10P	[M+H] <sup>+</sup>	814.5598	[M-H] <sup>-</sup>	812.5442
GP684	PS(36:4)	C42H74NO10P			[M-H] <sup>-</sup>	782.4972
GP685	PS(38:4)	C44H78NO10P	[M+H] <sup>+</sup>	812.5442	[M-H] <sup>-</sup>	810.5285
GP686	PS(40:4)	C46H82NO10P	[M+H] <sup>+</sup>	840.5755	[M-H] <sup>-</sup>	838.5598
GP687	PS(38:5)	C44H76NO10P	[M+H] <sup>+</sup>	810.5285	[M-H] <sup>-</sup>	808.5129
GP688	PS(38:5)	C44H76NO10P	[M+H] <sup>+</sup>	810.5285		
GP689	PS(38:5)	C44H76NO10P	[M+H] <sup>+</sup>	810.5285	[M-H] <sup>-</sup>	808.5129
GP690	PS(40:5)	C46H80NO10P			[M-H] <sup>-</sup>	836.5442
GP691	PS(38:6)	C44H74NO10P			[M-H] <sup>-</sup>	806.4972
GP692	PS(40:6)	C46H78NO10P	[M+H] <sup>+</sup>	836.5442	[M-H] <sup>-</sup>	834.5285
GP693	PS(16:0/0:0)	C22H44NO9P	[M+H] <sup>+</sup>	498.2832		
GP694	PS(18:0/0:0)	C24H48NO9P	[M+H] <sup>+</sup>	526.3145	[M-H] <sup>-</sup>	524.2988
GP695	PS(18:1/0:0)	C24H46NO9P			[M-H] <sup>-</sup>	522.2832
GP696	PS(0:0/20:3)	C26H46NO9P			[M-H] <sup>-</sup>	546.2832
GP697	PS(20:3/0:0)	C26H46NO9P			[M-H] <sup>-</sup>	546.2832
GP698	PS(0:0/20:4)	C26H44NO9P			[M-H] <sup>-</sup>	544.2675
GP699	PS(20:4/0:0)	C26H44NO9P			[M-H] <sup>-</sup>	544.2675
GP700	PS(0:0/22:5)	C28H46NO9P			[M-H] <sup>-</sup>	570.2832
GP701	PS(22:5/0:0)	C28H46NO9P			[M-H] <sup>-</sup>	570.2832
GP702	PS(0:0/22:6)	C28H44NO9P	[M+H] <sup>+</sup>	570.2832	[M-H] <sup>-</sup>	568.2675
GP703	PS(22:6/0:0)	C28H44NO9P			[M-H] <sup>-</sup>	568.2675
GP704	PS(p18:1/0:0)	C24H46NO8P	[M+H] <sup>+</sup>	508.3039	[M-H] <sup>-</sup>	506.2883
GP705	PS(p18:2/0:0)	C24H44NO8P	[M+H] <sup>+</sup>	506.2883	[M-H] <sup>-</sup>	504.2726
GP706	PS(p22:4/0:0)	C28H48NO8P	[M+H] <sup>+</sup>	558.3196	[M-H] <sup>-</sup>	556.3039
GP707	PS(p22:5/0:0)	C28H46NO8P	[M+H] <sup>+</sup>	556.3039	[M-H] <sup>-</sup>	554.2883
GP708	PS(p22:6/0:0)	C28H44NO8P	[M+H] <sup>+</sup>	554.2883	[M-H] <sup>-</sup>	552.2726
GP709	SLBPA(48:1)	C54H103O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	976.7582	[M-H] <sup>-</sup>	957.7160
GP710	SLBPA(16:0/16:0/18:1)	C56H107O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1004.7895	[M-H] <sup>-</sup>	985.7473
GP711	SLBPA(50:2)	C56H105O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1002.7738	[M-H] <sup>-</sup>	983.7317
GP712	SLBPA(50:3)	C56H103O11P			[M-H] <sup>-</sup>	981.7160
GP713	SLBPA(16:0/18:0/18:1)	C58H111O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1032.8208	[M-H] <sup>-</sup>	1013.7786
GP714	SLBPA(16:0/18:1/18:1)	C58H109O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1030.8051	[M-H] <sup>-</sup>	1011.7630
GP715	SLBPA(16:0/18:1/18:2)	C58H107O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1028.7895	[M-H] <sup>-</sup>	1009.7473
GP716	SLBPA(52:4)	C58H105O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1026.7738	[M-H] <sup>-</sup>	1007.7317
GP717	SLBPA(52:4)	C58H105O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1026.7738	[M-H] <sup>-</sup>	1007.7317
GP718	SLBPA(54:1)	C60H115O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1060.8521	[M-H] <sup>-</sup>	1041.8099
GP719	SLBPA(18:0/18:1/18:1)	C60H113O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1058.8364	[M-H] <sup>-</sup>	1039.7943
GP720	SLBPA(18:1/18:1/18:1)	C60H111O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1056.8208	[M-H] <sup>-</sup>	1037.7786
GP721	SLBPA(54:4)	C60H109O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1054.8051	[M-H] <sup>-</sup>	1035.7630
GP722	SLBPA(54:5)	C60H107O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1052.7895	[M-H] <sup>-</sup>	1033.7473
GP723	SLBPA(56:0)	C62H121O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1090.8990		
GP724	SLBPA(56:4)	C62H113O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1082.8364	[M-H] <sup>-</sup>	1063.7943
GP725	SLBPA(56:5)	C62H111O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1080.8208	[M-H] <sup>-</sup>	1061.7786
GP726	SLBPA(56:6)	C62H109O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1078.8051	[M-H] <sup>-</sup>	1059.7630
GP727	SLBPA(56:7)	C62H107O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1076.7895	[M-H] <sup>-</sup>	1057.7473
GP728	SLBPA(56:8)	C62H105O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1074.7738	[M-H] <sup>-</sup>	1055.7317
GP729	SLBPA(58:7)	C64H111O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1104.8208	[M-H] <sup>-</sup>	1085.7786
GP730	SLBPA(58:8)	C64H109O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1102.8051	[M-H] <sup>-</sup>	1083.7630
GP731	SLBPA(58:9)	C64H107O11P	[M+NH <sub>4</sub> ] <sup>+</sup>	1100.7895	[M-H] <sup>-</sup>	1081.7473
GP732	CL(70:3)	C79H148O17P2			[M-H] <sup>-</sup>	1430.0114
GP733	CL(70:6)	C79H142O17P2			[M-H] <sup>-</sup>	1423.9644

GP734	CL(70:7)	C79H140O17P2			[M-H] <sup>-</sup>	1421.9488
GP735	CL(72:4)	C81H150O17P2			[M-H] <sup>-</sup>	1456.0270
GP736	CL(72:6)	C81H146O17P2	[M+NH <sub>4</sub> ] <sup>+</sup>	1471.0379	[M-H] <sup>-</sup>	1451.9957
GP737	CL(72:7)	C81H144O17P2	[M+NH <sub>4</sub> ] <sup>+</sup>	1469.0222	[M-H] <sup>-</sup>	1449.9801
GP738	CL(72:8)	C81H142O17P2	[M+NH <sub>4</sub> ] <sup>+</sup>	1467.0066	[M-H] <sup>-</sup>	1447.9644
GP739	CL(72:10)	C81H138O17P2			[M-H] <sup>-</sup>	1443.9331
GP740	CL(74:8)	C83H146O17P2	[M+NH <sub>4</sub> ] <sup>+</sup>	1495.0379	[M-H] <sup>-</sup>	1475.9957
GP741	CL(74:9)	C83H144O17P2	[M+NH <sub>4</sub> ] <sup>+</sup>	1493.0223	[M-H] <sup>-</sup>	1473.9801
GP742	CL(74:10)	C83H142O17P2			[M-H] <sup>-</sup>	1471.9644
GP743	CL(74:11)	C83H140O17P2			[M-H] <sup>-</sup>	1469.9488
GL001	DG(20:0)	C23H44O5	[M+NH <sub>4</sub> ] <sup>+</sup>	418.3527		
GL002	DG(22:0)	C25H48O5	[M+NH <sub>4</sub> ] <sup>+</sup>	446.3840		
GL003	DG(22:0)	C25H48O5	[M+NH <sub>4</sub> ] <sup>+</sup>	446.3840		
GL004	DG(12:0/12:0)	C27H52O5	[M+NH <sub>4</sub> ] <sup>+</sup>	474.4153		
GL005	DG(24:0)	C27H52O5	[M+NH <sub>4</sub> ] <sup>+</sup>	474.4153		
GL006	DG(14:0/12:0)	C29H56O5	[M+NH <sub>4</sub> ] <sup>+</sup>	502.4466		
GL007	DG(26:0)	C29H56O5	[M+NH <sub>4</sub> ] <sup>+</sup>	502.4466		
GL008	DG(28:0)	C31H60O5	[M+NH <sub>4</sub> ] <sup>+</sup>	530.4779		
GL009	DG(28:0)	C31H60O5	[M+NH <sub>4</sub> ] <sup>+</sup>	530.4779		
GL010	DG(16:0/14:0)	C33H64O5	[M+NH <sub>4</sub> ] <sup>+</sup>	558.5092		
GL011	DG(31:0)	C34H66O5	[M+NH <sub>4</sub> ] <sup>+</sup>	572.5249		
GL012	DG(32:0)	C35H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	586.5405		
GL013	DG(16:0/16:0)	C35H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	586.5405		
GL014	DG(18:0/16:0)	C37H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	614.5718		
GL015	DG(36:0)	C39H76O5	[M+NH <sub>4</sub> ] <sup>+</sup>	642.6031		
GL016	DG(36:0)	C39H76O5	[M+NH <sub>4</sub> ] <sup>+</sup>	642.6031		
GL017	DG(38:0)	C41H80O5	[M+NH <sub>4</sub> ] <sup>+</sup>	670.6344		
GL018	DG(42:0)	C45H88O5	[M+NH <sub>4</sub> ] <sup>+</sup>	726.6970		
GL019	DG(28:1)	C31H58O5	[M+NH <sub>4</sub> ] <sup>+</sup>	528.4623		
GL020	DG(30:1)	C33H62O5	[M+NH <sub>4</sub> ] <sup>+</sup>	556.4936		
GL021	DG(16:0/16:1)	C35H66O5	[M+NH <sub>4</sub> ] <sup>+</sup>	584.5249		
GL022	DG(33:1)	C36H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	598.5405		
GL023	DG(34:1)	C37H70O5	[M+NH <sub>4</sub> ] <sup>+</sup>	612.5562		
GL024	DG(35:1)	C38H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	626.5718		
GL025	DG(18:0/18:1)	C39H74O5	[M+NH <sub>4</sub> ] <sup>+</sup>	640.5875		
GL026	DG(37:1)	C40H76O5	[M+NH <sub>4</sub> ] <sup>+</sup>	654.6031		
GL027	DG(18:0/20:1)	C41H78O5	[M+NH <sub>4</sub> ] <sup>+</sup>	668.6188		
GL028	DG(40:1)	C43H82O5	[M+NH <sub>4</sub> ] <sup>+</sup>	696.6501		
GL029	DG(42:1)	C45H86O5	[M+NH <sub>4</sub> ] <sup>+</sup>	724.6814		
GL030	DG(42:1)	C45H86O5	[M+NH <sub>4</sub> ] <sup>+</sup>	724.6814		
GL031	DG(44:1)	C47H90O5	[M+NH <sub>4</sub> ] <sup>+</sup>	752.7127		
GL032	DG(32:2)	C35H64O5	[M+NH <sub>4</sub> ] <sup>+</sup>	582.5092		
GL033	DG(33:2)	C36H66O5	[M+NH <sub>4</sub> ] <sup>+</sup>	596.5249		
GL034	DG(16:0/18:2)	C37H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	610.5405		
GL035	DG(16.1/18:1)	C37H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	610.5405		
GL036	DG(35:2)	C38H70O5	[M+NH <sub>4</sub> ] <sup>+</sup>	624.5562		
GL037	DG(18:1/18:1)	C39H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	638.5718		
GL038	DG(18:0/18:2)	C39H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	638.5718		
GL039	DG(18:0/20:2)	C41H76O5	[M+NH <sub>4</sub> ] <sup>+</sup>	666.6031		
GL040	DG(40:2)	C43H80O5	[M+NH <sub>4</sub> ] <sup>+</sup>	694.6344		
GL041	DG(32:3)	C35H62O5	[M+NH <sub>4</sub> ] <sup>+</sup>	580.4936		
GL042	DG(34:3)	C37H66O5	[M+NH <sub>4</sub> ] <sup>+</sup>	608.5249		
GL043	DG(35:3)	C38H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	622.5405		
GL044	DG(18:1/18:2)	C39H70O5	[M+NH <sub>4</sub> ] <sup>+</sup>	636.5562		
GL045	DG(37:3)	C40H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	650.5718		
GL046	DG(38:3)	C41H74O5	[M+NH <sub>4</sub> ] <sup>+</sup>	664.5875		
GL047	DG(40:3)	C43H78O5	[M+NH <sub>4</sub> ] <sup>+</sup>	692.6188		
GL048	DG(36:4)	C39H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	634.5405		
GL049	DG(36:4)	C39H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	634.5405		
GL050	DG(16:0/20:4)	C39H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	634.5405		
GL051	DG(38:4)	C41H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	662.5718		
GL052	DG(38:4)	C41H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	662.5718		
GL053	DG(18:0/20:4)	C41H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	662.5718		
GL054	DG(18:0/22:4)	C43H76O5	[M+NH <sub>4</sub> ] <sup>+</sup>	690.6031		

GL055	DG(36:5)	C39H66O5	[M+NH <sub>4</sub> ] <sup>+</sup>	632.5249		
GL056	DG(38:5)	C41H70O5	[M+NH <sub>4</sub> ] <sup>+</sup>	660.5562		
GL057	DG(38:5)	C41H70O5	[M+NH <sub>4</sub> ] <sup>+</sup>	660.5562		
GL058	DG(18:0/22:5)	C43H74O5	[M+NH <sub>4</sub> ] <sup>+</sup>	688.5875		
GL059	DG(36:6)	C39H64O5	[M+NH <sub>4</sub> ] <sup>+</sup>	630.5092		
GL060	DG(16:0/22:6)	C41H68O5	[M+NH <sub>4</sub> ] <sup>+</sup>	658.5405		
GL061	DG(18:0/22:6)	C43H72O5	[M+NH <sub>4</sub> ] <sup>+</sup>	686.5718		
GL062	DG(42:6)	C45H76O5	[M+NH <sub>4</sub> ] <sup>+</sup>	714.6031		
GL063	DG(40:7)	C43H70O5	[M+NH <sub>4</sub> ] <sup>+</sup>	684.5562		
GL064	TG(8:0/8:0/8:0)	C27H50O6	[M+NH <sub>4</sub> ] <sup>+</sup>	488.3946		
GL065	TG(8:0/8:0/10:0)	C29H56O6	[M+NH <sub>4</sub> ] <sup>+</sup>	516.4259		
GL066	TG(28:0)	C31H58O6	[M+NH <sub>4</sub> ] <sup>+</sup>	544.4572		
GL067	TG(29:0)	C32H60O6	[M+NH <sub>4</sub> ] <sup>+</sup>	558.4729		
GL068	TG(30:0)	C33H62O6	[M+NH <sub>4</sub> ] <sup>+</sup>	572.4885		
GL069	TG(31:0)	C34H64O6	[M+NH <sub>4</sub> ] <sup>+</sup>	586.5042		
GL070	TG(32:0)	C35H66O6	[M+NH <sub>4</sub> ] <sup>+</sup>	600.5198		
GL071	TG(33:0)	C36H68O6	[M+NH <sub>4</sub> ] <sup>+</sup>	614.5355		
GL072	TG(34:0)	C37H70O6	[M+NH <sub>4</sub> ] <sup>+</sup>	628.5511		
GL073	TG(35:0)	C38H72O6	[M+NH <sub>4</sub> ] <sup>+</sup>	642.5668		
GL074	TG(36:0)	C39H74O6	[M+NH <sub>4</sub> ] <sup>+</sup>	656.5824		
GL075	TG(37:0)	C40H76O6	[M+NH <sub>4</sub> ] <sup>+</sup>	670.5981		
GL076	TG(38:0)	C41H78O6	[M+NH <sub>4</sub> ] <sup>+</sup>	684.6137		
GL077	TG(39:0)	C42H80O6	[M+NH <sub>4</sub> ] <sup>+</sup>	698.6294		
GL078	TG(40:0)	C43H82O6	[M+NH <sub>4</sub> ] <sup>+</sup>	712.6450		
GL079	TG(41:0)	C44H84O6	[M+NH <sub>4</sub> ] <sup>+</sup>	726.6607		
GL080	TG(42:0)	C45H86O6	[M+NH <sub>4</sub> ] <sup>+</sup>	740.6763		
GL081	TG(43:0)	C46H88O6	[M+NH <sub>4</sub> ] <sup>+</sup>	754.6920		
GL082	TG(44:0)	C47H90O6	[M+NH <sub>4</sub> ] <sup>+</sup>	768.7076		
GL083	TG(45:0)	C48H92O6	[M+NH <sub>4</sub> ] <sup>+</sup>	782.7233		
GL084	TG(46:0)	C49H94O6	[M+NH <sub>4</sub> ] <sup>+</sup>	796.7389		
GL085	TG(47:0)	C50H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	810.7546		
GL086	TG(47:0)	C50H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	810.7546		
GL087	TG(48:0)	C51H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	824.7702		
GL088	TG(50:0)	C53H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	852.8015		
GL089	TG(52:0)	C55H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	880.8328		
GL090	TG(55:0)	C58H112O6	[M+NH <sub>4</sub> ] <sup>+</sup>	922.8798		
GL091	TG(56:0)	C59H114O6	[M+NH <sub>4</sub> ] <sup>+</sup>	936.8954		
GL092	TG(36:1)	C39H72O6	[M+NH <sub>4</sub> ] <sup>+</sup>	654.5668		
GL093	TG(38:1)	C41H76O6	[M+NH <sub>4</sub> ] <sup>+</sup>	682.5981		
GL094	TG(39:1)	C42H78O6	[M+NH <sub>4</sub> ] <sup>+</sup>	696.6137		
GL095	TG(40:1)	C43H80O6	[M+NH <sub>4</sub> ] <sup>+</sup>	710.6294		
GL096	TG(42:1)	C45H84O6	[M+NH <sub>4</sub> ] <sup>+</sup>	738.6607		
GL097	TG(43:1)	C46H86O6	[M+NH <sub>4</sub> ] <sup>+</sup>	752.6763		
GL098	TG(44:1)	C47H88O6	[M+NH <sub>4</sub> ] <sup>+</sup>	766.6920		
GL099	TG(45:1)	C48H90O6	[M+NH <sub>4</sub> ] <sup>+</sup>	780.7076		
GL100	TG(46:1)	C49H92O6	[M+NH <sub>4</sub> ] <sup>+</sup>	794.7233		
GL101	TG(47:1)	C50H94O6	[M+NH <sub>4</sub> ] <sup>+</sup>	808.7389		
GL102	TG(48:1)	C51H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	822.7546		
GL103	TG(49:1)	C52H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	836.7702		
GL104	TG(50:1)	C53H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	850.7859		
GL105	TG(51:1)	C54H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	864.8015		
GL106	TG(52:1)	C55H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	878.8172		
GL107	TG(53:1)	C56H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	892.8328		
GL108	TG(54:1)	C57H108O6	[M+NH <sub>4</sub> ] <sup>+</sup>	906.8485		
GL109	TG(55:1)	C58H110O6	[M+NH <sub>4</sub> ] <sup>+</sup>	920.8641		
GL110	TG(56:1)	C59H112O6	[M+NH <sub>4</sub> ] <sup>+</sup>	934.8798		
GL111	TG(57:1)	C60H114O6	[M+NH <sub>4</sub> ] <sup>+</sup>	948.8954		
GL112	TG(58:1)	C61H116O6	[M+NH <sub>4</sub> ] <sup>+</sup>	962.9111		
GL113	TG(59:1)	C62H118O6	[M+NH <sub>4</sub> ] <sup>+</sup>	976.9267		
GL114	TG(60:1)	C63H120O6	[M+NH <sub>4</sub> ] <sup>+</sup>	990.9424		
GL115	TG(61:1)	C64H122O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1004.9580		
GL116	TG(62:1)	C65H124O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1018.9737		
GL117	TG(63:1)	C66H126O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1032.9893		
GL118	TG(64:1)	C67H128O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1047.0050		

GL119	TG(65:1)	C68H130O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1061.0206		
GL120	TG(66:1)	C69H132O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1075.0363		
GL121	TG(68:1)	C71H136O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1103.0676		
GL122	TG(69:1)	C72H138O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1117.0832		
GL123	TG(36:2)	C39H70O6	[M+NH <sub>4</sub> ] <sup>+</sup>	652.5511		
GL124	TG(37:2)	C40H72O6	[M+NH <sub>4</sub> ] <sup>+</sup>	666.5668		
GL125	TG(38:2)	C41H74O6	[M+NH <sub>4</sub> ] <sup>+</sup>	680.5824		
GL126	TG(38:2)	C41H74O6	[M+NH <sub>4</sub> ] <sup>+</sup>	680.5824		
GL127	TG(39:2)	C42H76O6	[M+NH <sub>4</sub> ] <sup>+</sup>	694.5981		
GL128	TG(40:2)	C43H78O6	[M+NH <sub>4</sub> ] <sup>+</sup>	708.6137		
GL129	TG(41:2)	C44H80O6	[M+NH <sub>4</sub> ] <sup>+</sup>	722.6294		
GL130	TG(42:2)	C45H82O6	[M+NH <sub>4</sub> ] <sup>+</sup>	736.6450		
GL131	TG(43:2)	C46H84O6	[M+NH <sub>4</sub> ] <sup>+</sup>	750.6607		
GL132	TG(44:2)	C47H86O6	[M+NH <sub>4</sub> ] <sup>+</sup>	764.6763		
GL133	TG(45:2)	C48H88O6	[M+NH <sub>4</sub> ] <sup>+</sup>	778.6920		
GL134	TG(46:2)	C49H90O6	[M+NH <sub>4</sub> ] <sup>+</sup>	792.7076		
GL135	TG(47:2)	C50H92O6	[M+NH <sub>4</sub> ] <sup>+</sup>	806.7233		
GL136	TG(48:2)	C51H94O6	[M+NH <sub>4</sub> ] <sup>+</sup>	820.7389		
GL137	TG(49:2)	C52H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	834.7546		
GL138	TG(50:2)	C53H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	848.7702		
GL139	TG(51:2)	C54H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	862.7859		
GL140	TG(52:2)	C55H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	876.8015		
GL141	TG(53:2)	C56H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	890.8172		
GL142	TG(54:2)	C57H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	904.8328		
GL143	TG(55:2)	C58H108O6	[M+NH <sub>4</sub> ] <sup>+</sup>	918.8485		
GL144	TG(56:2)	C59H110O6	[M+NH <sub>4</sub> ] <sup>+</sup>	932.8641		
GL145	TG(57:2)	C60H112O6	[M+NH <sub>4</sub> ] <sup>+</sup>	946.8798		
GL146	TG(58:2)	C61H114O6	[M+NH <sub>4</sub> ] <sup>+</sup>	960.8954		
GL147	TG(59:2)	C62H116O6	[M+NH <sub>4</sub> ] <sup>+</sup>	974.9111		
GL148	TG(60:2)	C63H118O6	[M+NH <sub>4</sub> ] <sup>+</sup>	988.9267		
GL149	TG(62:2)	C65H122O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1016.9580		
GL150	TG(63:2)	C66H124O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1030.9737		
GL151	TG(64:2)	C67H126O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1044.9893		
GL152	TG(65:2)	C68H128O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1059.0050		
GL153	TG(66:2)	C69H130O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1073.0206		
GL154	TG(67:2)	C70H132O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1087.0363		
GL155	TG(68:2)	C71H134O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1101.0519		
GL156	TG(70:2)	C73H138O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1129.0832		
GL157	TG(44:3)	C47H84O6	[M+NH <sub>4</sub> ] <sup>+</sup>	762.6607		
GL158	TG(45:3)	C48H86O6	[M+NH <sub>4</sub> ] <sup>+</sup>	776.6763		
GL159	TG(46:3)	C49H88O6	[M+NH <sub>4</sub> ] <sup>+</sup>	790.6920		
GL160	TG(47:3)	C50H90O6	[M+NH <sub>4</sub> ] <sup>+</sup>	804.7076		
GL161	TG(48:3)	C51H92O6	[M+NH <sub>4</sub> ] <sup>+</sup>	818.7233		
GL162	TG(49:3)	C52H94O6	[M+NH <sub>4</sub> ] <sup>+</sup>	832.7389		
GL163	TG(50:3)	C53H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	846.7546		
GL164	TG(51:3)	C54H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	860.7702		
GL165	TG(52:3)	C55H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	874.7859		
GL166	TG(53:3)	C56H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	888.8015		
GL167	TG(54:3)	C57H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	902.8172		
GL168	TG(55:3)	C58H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	916.8328		
GL169	TG(56:3)	C59H108O6	[M+NH <sub>4</sub> ] <sup>+</sup>	930.8485		
GL170	TG(58:3)	C61H112O6	[M+NH <sub>4</sub> ] <sup>+</sup>	958.8798		
GL171	TG(59:3)	C62H114O6	[M+NH <sub>4</sub> ] <sup>+</sup>	972.8954		
GL172	TG(60:3)	C63H116O6	[M+NH <sub>4</sub> ] <sup>+</sup>	986.9111		
GL173	TG(61:3)	C64H118O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1000.9267		
GL174	TG(62:3)	C65H120O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1014.9424		
GL175	TG(63:3)	C66H122O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1028.9580		
GL176	TG(64:3)	C67H124O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1042.9737		
GL177	TG(65:3)	C68H126O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1056.9893		
GL178	TG(66:3)	C69H128O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1071.0050		
GL179	TG(67:3)	C70H130O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1085.0206		
GL180	TG(68:3)	C71H132O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1099.0363		
GL181	TG(70:3)	C73H136O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1127.0676		
GL182	TG(72:3)	C75H140O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1155.0989		

GL183	TG(50:4)	C53H94O6	[M+NH <sub>4</sub> ] <sup>+</sup>	844.7389		
GL184	TG(51:4)	C54H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	858.7546		
GL185	TG(52:4)	C55H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	872.7702		
GL186	TG(53:4)	C56H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	886.7859		
GL187	TG(54:4)	C57H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	900.8015		
GL188	TG(55:4)	C58H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	914.8172		
GL189	TG(56:4)	C59H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	928.8328		
GL190	TG(57:4)	C60H108O6	[M+NH <sub>4</sub> ] <sup>+</sup>	942.8485		
GL191	TG(58:4)	C61H110O6	[M+NH <sub>4</sub> ] <sup>+</sup>	956.8641		
GL192	TG(59:4)	C62H112O6	[M+NH <sub>4</sub> ] <sup>+</sup>	970.8798		
GL193	TG(60:4)	C63H114O6	[M+NH <sub>4</sub> ] <sup>+</sup>	984.8954		
GL194	TG(61:4)	C64H116O6	[M+NH <sub>4</sub> ] <sup>+</sup>	998.9111		
GL195	TG(62:4)	C65H118O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1012.9267		
GL196	TG(63:4)	C66H120O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1026.9424		
GL197	TG(64:4)	C67H122O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1040.9580		
GL198	TG(66:4)	C69H126O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1068.9893		
GL199	TG(67:4)	C70H128O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1083.0050		
GL200	TG(68:4)	C71H130O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1097.0206		
GL201	TG(70:4)	C73H134O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1125.0519		
GL202	TG(72:4)	C75H138O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1153.0832		
GL203	TG(52:5)	C55H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	870.7546		
GL204	TG(53:5)	C56H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	884.7702		
GL205	TG(54:5)	C57H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	898.7859		
GL206	TG(55:5)	C58H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	912.8015		
GL207	TG(56:5)	C59H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	926.8172		
GL208	TG(57:5)	C60H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	940.8328		
GL209	TG(58:5)	C61H108O6	[M+NH <sub>4</sub> ] <sup>+</sup>	954.8485		
GL210	TG(59:5)	C62H110O6	[M+NH <sub>4</sub> ] <sup>+</sup>	968.8641		
GL211	TG(60:5)	C63H112O6	[M+NH <sub>4</sub> ] <sup>+</sup>	982.8798		
GL212	TG(61:5)	C64H114O6	[M+NH <sub>4</sub> ] <sup>+</sup>	996.8954		
GL213	TG(62:5)	C65H116O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1010.9111		
GL214	TG(64:5)	C67H120O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1038.9424		
GL215	TG(66:5)	C69H124O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1066.9737		
GL216	TG(68:5)	C71H128O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1095.0050		
GL217	TG(70:5)	C73H132O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1123.0363		
GL218	TG(72:5)	C75H136O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1151.0676		
GL219	TG(52:6)	C55H94O6	[M+NH <sub>4</sub> ] <sup>+</sup>	868.7389		
GL220	TG(54:6)	C57H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	896.7702		
GL221	TG(55:6)	C58H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	910.7859		
GL222	TG(56:6)	C59H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	924.8015		
GL223	TG(58:6)	C61H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	952.8328		
GL224	TG(60:6)	C63H110O6	[M+NH <sub>4</sub> ] <sup>+</sup>	980.8641		
GL225	TG(62:6)	C65H114O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1008.8954		
GL226	TG(64:6)	C67H118O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1036.9267		
GL227	TG(66:6)	C69H122O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1064.9580		
GL228	TG(68:6)	C71H126O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1092.9893		
GL229	TG(70:6)	C73H130O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1121.0206		
GL230	TG(72:6)	C75H134O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1149.0519		
GL231	TG(74:6)	C77H138O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1177.0832		
GL232	TG(54:7)	C57H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	894.7546		
GL233	TG(56:7)	C59H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	922.7859		
GL234	TG(58:7)	C61H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	950.8172		
GL235	TG(60:7)	C63H108O6	[M+NH <sub>4</sub> ] <sup>+</sup>	978.8485		
GL236	TG(62:7)	C65H112O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1006.8798		
GL237	TG(64:7)	C67H116O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1034.9111		
GL238	TG(66:7)	C69H120O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1062.9424		
GL239	TG(68:7)	C71H124O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1090.9737		
GL240	TG(70:7)	C73H128O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1119.0050		
GL241	TG(54:8)	C57H96O6	[M+NH <sub>4</sub> ] <sup>+</sup>	892.7389		
GL242	TG(56:8)	C59H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	920.7702		
GL243	TG(58:8)	C61H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	948.8015		
GL244	TG(60:8)	C63H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	976.8328		
GL245	TG(62:8)	C65H110O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1004.8641		
GL246	TG(66:8)	C69H118O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1060.9267		

GL247	TG(54:9)	C57H92O6	[M+NH <sub>4</sub> ] <sup>+</sup>	890.7233		
GL248	TG(58:9)	C61H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	946.7859		
GL249	TG(60:9)	C63H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	974.8172		
GL250	TG(62:9)	C65H108O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1002.8485		
GL251	TG(64:9)	C67H112O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1030.8798		
GL252	TG(58:10)	C61H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	944.7702		
GL253	TG(60:10)	C63H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	972.8015		
GL254	TG(61:10)	C64H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	986.8172		
GL255	TG(62:10)	C65H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1000.8328		
GL256	TG(64:10)	C67H110O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1028.8641		
GL257	TG(66:10)	C69H114O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1056.8954		
GL258	TG(60:11)	C63H100O6	[M+NH <sub>4</sub> ] <sup>+</sup>	970.7859		
GL259	TG(62:11)	C65H104O6	[M+NH <sub>4</sub> ] <sup>+</sup>	998.8172		
GL260	TG(64:11)	C67H108O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1026.8485		
GL261	TG(60:12)	C63H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	968.7702		
GL262	TG(62:12)	C65H102O6	[M+NH <sub>4</sub> ] <sup>+</sup>	996.8015		
GL263	TG(64:12)	C67H106O6	[M+NH <sub>4</sub> ] <sup>+</sup>	1024.8328		
GL264	TG(62:14)	C65H98O6	[M+NH <sub>4</sub> ] <sup>+</sup>	992.7702		
FA001	C14:0	C14H28O2			[M-H] <sup>-</sup>	227.2011
FA002	C15:0	C15H30O2			[M-H] <sup>-</sup>	241.2168
FA003	C15:0	C15H30O2			[M-H] <sup>-</sup>	241.2168
FA004	C16:0	C16H32O2			[M-H] <sup>-</sup>	255.2324
FA005	C17:0	C17H34O2			[M-H] <sup>-</sup>	269.2481
FA006	C17:0	C17H34O2			[M-H] <sup>-</sup>	269.2481
FA007	C18:0	C18H36O2			[M-H] <sup>-</sup>	283.2637
FA008	C19:0	C19H38O2			[M-H] <sup>-</sup>	297.2794
FA009	C20:0	C20H40O2			[M-H] <sup>-</sup>	311.2950
FA010	C21:0	C21H42O2			[M-H] <sup>-</sup>	325.3107
FA011	C22:0	C22H44O2			[M-H] <sup>-</sup>	339.3263
FA012	C23:0	C23H46O2			[M-H] <sup>-</sup>	353.3420
FA013	C24:0	C24H48O2			[M-H] <sup>-</sup>	367.3576
FA014	C25:0	C25H50O2			[M-H] <sup>-</sup>	381.3733
FA015	C26:0	C26H52O2			[M-H] <sup>-</sup>	395.3889
FA016	C27:0	C27H54O2			[M-H] <sup>-</sup>	409.4046
FA017	C28:0	C28H56O2			[M-H] <sup>-</sup>	423.4202
FA018	C29:0	C29H58O2			[M-H] <sup>-</sup>	437.4359
FA019	C30:0	C30H60O2			[M-H] <sup>-</sup>	451.4515
FA020	C31:0	C31H62O2			[M-H] <sup>-</sup>	465.4672
FA021	C32:0	C32H64O2			[M-H] <sup>-</sup>	479.4828
FA022	C33:0	C33H66O2			[M-H] <sup>-</sup>	493.4985
FA023	C34:0	C34H68O2			[M-H] <sup>-</sup>	507.5141
FA024	C35:0	C35H70O2			[M-H] <sup>-</sup>	521.5298
FA025	C36:0	C36H72O2			[M-H] <sup>-</sup>	535.5454
FA026	C37:0	C37H74O2			[M-H] <sup>-</sup>	549.5611
FA027	C38:0	C38H76O2			[M-H] <sup>-</sup>	563.5767
FA028	C14:1	C14H26O2			[M-H] <sup>-</sup>	225.1855
FA029	C15:1	C15H28O2			[M-H] <sup>-</sup>	239.2011
FA030	C16:1	C16H30O2			[M-H] <sup>-</sup>	253.2168
FA031	C16:1	C16H30O2			[M-H] <sup>-</sup>	253.2168
FA032	C17:1	C17H32O2			[M-H] <sup>-</sup>	267.2324
FA033	C17:1	C17H32O2			[M-H] <sup>-</sup>	267.2324
FA034	C18:1	C18H34O2			[M-H] <sup>-</sup>	281.2481
FA035	C18:1	C18H34O2			[M-H] <sup>-</sup>	281.2481
FA036	C19:1	C19H36O2			[M-H] <sup>-</sup>	295.2637
FA037	C20:1	C20H38O2			[M-H] <sup>-</sup>	309.2794
FA038	C21:1	C21H40O2			[M-H] <sup>-</sup>	323.2950
FA039	C22:1	C22H42O2			[M-H] <sup>-</sup>	337.3107
FA040	C23:1	C23H44O2			[M-H] <sup>-</sup>	351.3263
FA041	C24:1	C24H46O2			[M-H] <sup>-</sup>	365.3420
FA042	C25:1	C25H48O2			[M-H] <sup>-</sup>	379.3576
FA043	C26:1	C26H50O2			[M-H] <sup>-</sup>	393.3733
FA044	C27:1	C27H52O2			[M-H] <sup>-</sup>	407.3889
FA045	C28:1	C28H54O2			[M-H] <sup>-</sup>	421.4046
FA046	C30:1	C30H58O2			[M-H] <sup>-</sup>	449.4359

FA047	C32:1	C32H62O2			[M-H] <sup>-</sup>	477.4672
FA048	C34:1	C34H66O2			[M-H] <sup>-</sup>	505.4985
FA049	C35:1	C35H68O2			[M-H] <sup>-</sup>	519.5141
FA050	C36:1	C36H70O2			[M-H] <sup>-</sup>	533.5298
FA051	C38:1	C38H74O2			[M-H] <sup>-</sup>	561.5611
FA052	C14:2	C14H24O2			[M-H] <sup>-</sup>	223.1698
FA053	C16:2	C16H28O2			[M-H] <sup>-</sup>	251.2011
FA054	C18:2	C18H32O2			[M-H] <sup>-</sup>	279.2324
FA055	C18:2	C18H32O2			[M-H] <sup>-</sup>	279.2324
FA056	C20:2	C20H36O2			[M-H] <sup>-</sup>	307.2637
FA057	C22:2	C22H40O2			[M-H] <sup>-</sup>	335.2950
FA058	C24:2	C24H44O2			[M-H] <sup>-</sup>	363.3263
FA059	C26:2	C26H48O2			[M-H] <sup>-</sup>	391.3576
FA060	C18:3	C18H30O2			[M-H] <sup>-</sup>	277.2167
FA061	C20:3	C20H34O2			[M-H] <sup>-</sup>	305.2480
FA062	C20:3	C20H34O2			[M-H] <sup>-</sup>	305.2480
FA063	C22:3	C22H38O2			[M-H] <sup>-</sup>	333.2793
FA064	C18:4	C18H28O2			[M-H] <sup>-</sup>	275.2010
FA065	C20:4	C20H32O2			[M-H] <sup>-</sup>	303.2323
FA066	C22:4	C22H36O2			[M-H] <sup>-</sup>	331.2636
FA067	C20:5	C20H30O2			[M-H] <sup>-</sup>	301.2166
FA068	C22:5	C22H34O2			[M-H] <sup>-</sup>	329.2479
FA069	C22:6	C22H32O2			[M-H] <sup>-</sup>	327.2322
FA070	C16:0-OH	C16H32O3			[M-H] <sup>-</sup>	271.2273
FA071	C18:0-OH	C18H36O3			[M-H] <sup>-</sup>	299.2586
FA072	C22:0-OH	C22H44O3			[M-H] <sup>-</sup>	355.3212
FA073	C23:0-OH	C23H46O3			[M-H] <sup>-</sup>	369.3369
FA074	C24:0-OH	C24H48O3			[M-H] <sup>-</sup>	383.3525
FA075	C25:0-OH	C25H50O3			[M-H] <sup>-</sup>	397.3682
FA076	C26:0-OH	C26H52O3			[M-H] <sup>-</sup>	411.3838
FA077	C26:0-OH	C26H52O3			[M-H] <sup>-</sup>	411.3838
FA078	C18:1-OH	C18H34O3			[M-H] <sup>-</sup>	297.2430
FA079	C18:2-OH	C18H32O3			[M-H] <sup>-</sup>	295.2273
FA080	C18:0-2(OH)	C18H36O4			[M-H] <sup>-</sup>	315.2536
FA081	C20:4-OH	C20H32O3			[M-H] <sup>-</sup>	319.2273
FA082	C20:0-2(OH)	C20H40O4			[M-H] <sup>-</sup>	343.2849
ST001	CE(16:0)	C43H76O2	[M+NH <sub>4</sub> ] <sup>+</sup>	642.6184		
ST002	CE(18:0)	C45H80O2	[M+NH <sub>4</sub> ] <sup>+</sup>	670.6497		
ST003	CE(25:0)	C52H94O2	[M+NH <sub>4</sub> ] <sup>+</sup>	768.7592		
ST004	CE(26:0)	C53H96O2	[M+NH <sub>4</sub> ] <sup>+</sup>	782.7749		
ST005	CE(16:1)	C43H74O2	[M+NH <sub>4</sub> ] <sup>+</sup>	640.6027		
ST006	CE(18:1)	C45H78O2	[M+NH <sub>4</sub> ] <sup>+</sup>	668.6340		
ST007	CE(26:1)	C53H94O2	[M+NH <sub>4</sub> ] <sup>+</sup>	780.7592		
ST008	CE(18:2)	C45H76O2	[M+NH <sub>4</sub> ] <sup>+</sup>	666.6184		
ST009	CE(20:2)	C47H80O2	[M+NH <sub>4</sub> ] <sup>+</sup>	694.6497		
ST010	CE(18:3)	C45H74O2	[M+NH <sub>4</sub> ] <sup>+</sup>	664.6027		
ST011	CE(20:3)	C47H78O2	[M+NH <sub>4</sub> ] <sup>+</sup>	692.6340		
ST012	CE(18:4)	C45H72O2	[M+NH <sub>4</sub> ] <sup>+</sup>	662.5871		
ST013	CE(20:4)	C47H76O2	[M+NH <sub>4</sub> ] <sup>+</sup>	690.6184		
ST014	CE(21:4)	C48H78O2	[M+NH <sub>4</sub> ] <sup>+</sup>	704.6340		
ST015	CE(20:5)	C47H74O2	[M+NH <sub>4</sub> ] <sup>+</sup>	688.6027		
ST016	CE(22:5)	C49H78O2	[M+NH <sub>4</sub> ] <sup>+</sup>	716.6340		
ST017	CE(28:1)	C55H98O2	[M+NH <sub>4</sub> ] <sup>+</sup>	808.7905		
ST018	CE(30:1)	C57H102O2	[M+NH <sub>4</sub> ] <sup>+</sup>	836.8218		
ST019	CE(32:1)	C59H106O2	[M+NH <sub>4</sub> ] <sup>+</sup>	864.8531		
ST020	cholesterol	C27H46O	[M+NH <sub>4</sub> ] <sup>+</sup>	404.3887		
ST021	cholesterol sulfate	C27H46O4S			[M-H] <sup>-</sup>	465.3030
PR001	geranylarnesylacetone	C28H46O	[M+NH <sub>4</sub> ] <sup>+</sup>	416.3887		
PR002	farnesylarnesylacetone	C33H54O	[M+NH <sub>4</sub> ] <sup>+</sup>	484.4513		
PR003	cholesterol-O-solanesyl	C72H118O2	[M+NH <sub>4</sub> ] <sup>+</sup>	1049.9743		
PR004	bombiprenone	C43H70O	[M+NH <sub>4</sub> ] <sup>+</sup>	637.6030		
PR005	plastoquinone-9	C53H80O2			[M-H] <sup>-</sup>	747.6097
PR006	coenzyme Q10	C59H90O4	[M+NH <sub>4</sub> ] <sup>+</sup>	880.7177	[M-H] <sup>-</sup>	861.6752
PR007	alpha-tocopherol	C29H50O2	[M+H] <sup>+</sup>	431.3889	[M-H] <sup>-</sup>	429.3724

PR008	IP6 – polyprenol 6	C30H50O	[M+NH <sub>4</sub> ] <sup>+</sup>	444.4200		
PR009	IP7 – polyprenol 7	C35H58O	[M+NH <sub>4</sub> ] <sup>+</sup>	512.4826		
PR010	IP8 – polyprenol 8	C40H66O	[M+NH <sub>4</sub> ] <sup>+</sup>	580.5452		
PR011	IP10 – polyprenol 10	C50H82O	[M+NH <sub>4</sub> ] <sup>+</sup>	716.6704		
PR012	dolichol-16	C80H132O	[M+NH <sub>4</sub> ] <sup>+</sup>	1127.0616	[M-H] <sup>-</sup>	1108.0191
PR013	dolichol-17	C85H140O	[M+NH <sub>4</sub> ] <sup>+</sup>	1195.1242	[M-H] <sup>-</sup>	1176.0817
PR014	dolichol-18	C90H148O	[M+NH <sub>4</sub> ] <sup>+</sup>	1263.1868	[M-H] <sup>-</sup>	1244.1443
PR015	dolichol-19	C95H156O	[M+NH <sub>4</sub> ] <sup>+</sup>	1331.2494	[M-H] <sup>-</sup>	1312.2069
PR016	solanol	C45H74O	[M+NH <sub>4</sub> ] <sup>+</sup>	648.6078		
PR017	SOLE(1:0)	C46H74O2	[M+NH <sub>4</sub> ] <sup>+</sup>	676.6027		
PR018	SOLE(2:0)	C47H76O2	[M+NH <sub>4</sub> ] <sup>+</sup>	690.6184		
PR019	SOLE(3:0)	C48H78O2	[M+NH <sub>4</sub> ] <sup>+</sup>	704.6340		
PR020	SOLE(16:0)	C61H104O2	[M+NH <sub>4</sub> ] <sup>+</sup>	886.8375		
PR021	SOLE(18:0)	C63H108O2	[M+NH <sub>4</sub> ] <sup>+</sup>	914.8688		
PR022	SOLE(20:0)	C65H112O2	[M+NH <sub>4</sub> ] <sup>+</sup>	942.9001		
PR023	SOLE(21:0)	C66H114O2	[M+NH <sub>4</sub> ] <sup>+</sup>	956.9157		
PR024	SOLE(22:0)	C67H116O2	[M+NH <sub>4</sub> ] <sup>+</sup>	970.9314		
PR025	SOLE(23:0)	C68H118O2	[M+NH <sub>4</sub> ] <sup>+</sup>	984.9470		
PR026	SOLE(24:0)	C69H120O2	[M+NH <sub>4</sub> ] <sup>+</sup>	998.9627		
PR027	SOLE(26:0)	C71H124O2	[M+NH <sub>4</sub> ] <sup>+</sup>	1026.9940		
PR028	SOLE(15:1)	C60H100O2	[M+NH <sub>4</sub> ] <sup>+</sup>	870.8062		
PR029	SOLE(18:1)	C63H106O2	[M+NH <sub>4</sub> ] <sup>+</sup>	912.8531		
PR030	SOLE(18:2)	C63H104O2	[M+NH <sub>4</sub> ] <sup>+</sup>	910.8375		
PR031	SOLE(18:3)	C63H102O2	[M+NH <sub>4</sub> ] <sup>+</sup>	908.8218		
SP001	SM(d18:0/14:0)	C37H77N2O6P	[M+H] <sup>+</sup>	677.5597	[M+HCOO] <sup>-</sup>	721.5501
SP002	SM(d18:0/15:0)	C38H79N2O6P	[M+H] <sup>+</sup>	691.5754	[M+HCOO] <sup>-</sup>	735.5658
SP003	SM(d18:0/16:0)	C39H81N2O6P	[M+H] <sup>+</sup>	705.5910	[M+HCOO] <sup>-</sup>	749.5814
SP004	SM(d18:0/17:0)	C40H83N2O6P			[M+HCOO] <sup>-</sup>	763.5971
SP005	SM(d18:0/18:0)	C41H85N2O6P	[M+H] <sup>+</sup>	733.6223	[M+HCOO] <sup>-</sup>	777.6127
SP006	SM(d18:0/20:0)	C43H89N2O6P	[M+H] <sup>+</sup>	761.6536	[M+HCOO] <sup>-</sup>	805.6440
SP007	SM(d18:0/22:0)	C45H93N2O6P	[M+H] <sup>+</sup>	789.6850	[M+HCOO] <sup>-</sup>	833.6753
SP008	SM(d18:0/24:0)	C47H97N2O6P	[M+H] <sup>+</sup>	817.7163	[M+HCOO] <sup>-</sup>	861.7066
SP009	SM(d18:0/25:0)	C48H99N2O6P			[M+HCOO] <sup>-</sup>	875.7223
SP010	SM(d18:1/12:0)	C35H71N2O6P	[M+H] <sup>+</sup>	647.5128	[M+HCOO] <sup>-</sup>	691.5032
SP011	SM(d18:1/13:0)	C36H73N2O6P	[M+H] <sup>+</sup>	661.5284	[M+HCOO] <sup>-</sup>	705.5188
SP012	SM(d18:1/14:0)	C37H75N2O6P	[M+H] <sup>+</sup>	675.5441	[M+HCOO] <sup>-</sup>	719.5345
SP013	SM(d18:1/15:0)	C38H77N2O6P	[M+H] <sup>+</sup>	689.5597	[M+HCOO] <sup>-</sup>	733.5501
SP014	SM(d18:1/16:0)	C39H79N2O6P	[M+H] <sup>+</sup>	703.5754	[M+HCOO] <sup>-</sup>	747.5658
SP015	SM(d18:1/17:0)	C40H81N2O6P	[M+H] <sup>+</sup>	717.5910	[M+HCOO] <sup>-</sup>	761.5814
SP016	SM(d18:1/18:0)	C41H83N2O6P	[M+H] <sup>+</sup>	731.6067	[M+HCOO] <sup>-</sup>	775.5971
SP017	SM(d18:1/19:0)	C42H85N2O6P			[M+HCOO] <sup>-</sup>	789.6127
SP018	SM(d18:1/20:0)	C43H87N2O6P	[M+H] <sup>+</sup>	759.6380	[M+HCOO] <sup>-</sup>	803.6284
SP019	SM(d18:1/21:0)	C44H89N2O6P	[M+H] <sup>+</sup>	773.6536	[M+HCOO] <sup>-</sup>	817.6440
SP020	SM(d18:1/22:0)	C45H91N2O6P	[M+H] <sup>+</sup>	787.6693	[M+HCOO] <sup>-</sup>	831.6597
SP021	SM(d18:1/23:0)	C46H93N2O6P	[M+H] <sup>+</sup>	801.6850	[M+HCOO] <sup>-</sup>	845.6753
SP022	SM(d18:1/24:0)	C47H95N2O6P	[M+H] <sup>+</sup>	815.7006	[M+HCOO] <sup>-</sup>	859.6910
SP023	SM(d18:1/25:0)	C48H97N2O6P	[M+H] <sup>+</sup>	829.7163	[M+HCOO] <sup>-</sup>	873.7066
SP024	SM(d18:1/26:0)	C49H99N2O6P	[M+H] <sup>+</sup>	843.7319	[M+HCOO] <sup>-</sup>	887.7223
SP025	SM(d18:1/28:0)	C51H103N2O6P	[M+H] <sup>+</sup>	871.7632		
SP026	SM(d18:1/14:1)	C37H73N2O6P	[M+H] <sup>+</sup>	673.5284	[M+HCOO] <sup>-</sup>	717.5188
SP027	SM(d18:1/16:1)	C39H77N2O6P	[M+H] <sup>+</sup>	701.5597	[M+HCOO] <sup>-</sup>	745.5501
SP028	SM(d18:1/18:1)	C41H81N2O6P	[M+H] <sup>+</sup>	729.5910	[M+HCOO] <sup>-</sup>	773.5814
SP029	SM(d18:1/20:1)	C43H85N2O6P	[M+H] <sup>+</sup>	757.6223	[M+HCOO] <sup>-</sup>	801.6127
SP030	SM(d18:1/22:1)	C45H89N2O6P	[M+H] <sup>+</sup>	785.6536	[M+HCOO] <sup>-</sup>	829.6440
SP031	SM(d18:1/23:1)	C46H91N2O6P			[M+HCOO] <sup>-</sup>	843.6597
SP032	SM(d18:1/24:1)	C47H93N2O6P	[M+H] <sup>+</sup>	813.6850	[M+HCOO] <sup>-</sup>	857.6753
SP033	SM(d18:1/25:1)	C48H95N2O6P	[M+H] <sup>+</sup>	827.7006	[M+HCOO] <sup>-</sup>	871.6910
SP034	SM(d18:1/26:1)	C49H97N2O6P	[M+H] <sup>+</sup>	841.7163	[M+HCOO] <sup>-</sup>	885.7066
SP035	SM(d18:1/16:2)	C39H75N2O6P	[M+H] <sup>+</sup>	699.5441	[M+HCOO] <sup>-</sup>	743.5345
SP036	SM(d18:1/18:2)	C41H79N2O6P	[M+H] <sup>+</sup>	727.5754	[M+HCOO] <sup>-</sup>	771.5658
SP037	SM(d18:1/24:2)	C47H91N2O6P	[M+H] <sup>+</sup>	811.6693	[M+HCOO] <sup>-</sup>	855.6597
SP038	SM(d18:1/26:2)	C49H95N2O6P	[M+H] <sup>+</sup>	839.7006	[M+HCOO] <sup>-</sup>	883.6910
SP039	SM(t18:0/14:0)	C37H77N2O7P	[M+H] <sup>+</sup>	693.5547	[M+HCOO] <sup>-</sup>	737.5450
SP040	SM(t18:0/15:0)	C38H79N2O7P	[M+H] <sup>+</sup>	707.5703		

SP041	SM(t18:0/16:0)	C39H81N2O7P	[M+H] <sup>+</sup>	721.5860	[M+HCOO] <sup>-</sup>	765.5763
SP042	SM(t18:0/18:0)	C41H85N2O7P	[M+H] <sup>+</sup>	749.6173	[M+HCOO] <sup>-</sup>	793.6076
SP043	SM(t18:0/22:0)	C45H93N2O7P	[M+H] <sup>+</sup>	805.6799	[M+HCOO] <sup>-</sup>	849.6702
SP044	SM(t18:0/23:0)	C46H95N2O7P	[M+H] <sup>+</sup>	819.6955		
SP045	SM(t18:0/24:0)	C47H97N2O7P	[M+H] <sup>+</sup>	833.7112	[M+HCOO] <sup>-</sup>	877.7015
SP046	SM(t18:0/26:0)	C49H101N2O7P	[M+H] <sup>+</sup>	861.7425		
SP047	SM(t18:0/16:1)	C39H79N2O7P	[M+H] <sup>+</sup>	719.5703	[M+HCOO] <sup>-</sup>	763.5607
SP048	SM(t18:0/18:1)	C41H83N2O7P	[M+H] <sup>+</sup>	747.6016	[M+HCOO] <sup>-</sup>	791.5920
SP049	SM(t18:0/24:1)	C47H95N2O7P	[M+H] <sup>+</sup>	831.6955	[M+HCOO] <sup>-</sup>	875.6859
SP050	SM(t18:0/25:1)	C48H97N2O7P	[M+H] <sup>+</sup>	845.7112		
SP051	SM(t18:0/26:1)	C49H99N2O7P	[M+H] <sup>+</sup>	859.7268		
SP052	SM(t18:0/24:2)	C47H93N2O7P	[M+H] <sup>+</sup>	829.6799	[M+HCOO] <sup>-</sup>	873.6702
SP053	SM(t18:0/26:2)	C49H97N2O7P	[M+H] <sup>+</sup>	857.7112		
SP054	SM(d18:0/24:1)	C47H95N2O6P	[M+H] <sup>+</sup>	815.7006	[M+HCOO] <sup>-</sup>	859.6910
SP055	Cer(d18:0/14:0)	C32H65NO3	[M+H] <sup>+</sup>	512.5043	[M+HCOO] <sup>-</sup>	556.4946
SP056	Cer(d18:0/15:0)	C33H67NO3	[M+H] <sup>+</sup>	526.5199	[M+HCOO] <sup>-</sup>	570.5103
SP057	Cer(d18:0/16:0)	C34H69NO3	[M+H] <sup>+</sup>	540.5356	[M+HCOO] <sup>-</sup>	584.5259
SP058	Cer(d18:0/17:0)	C35H71NO3	[M+H] <sup>+</sup>	554.5512	[M+HCOO] <sup>-</sup>	598.5416
SP059	Cer(d18:0/18:0)	C36H73NO3	[M+H] <sup>+</sup>	568.5669	[M+HCOO] <sup>-</sup>	612.5572
SP060	Cer(d18:0/19:0)	C37H75NO3	[M+H] <sup>+</sup>	582.5825	[M+HCOO] <sup>-</sup>	626.5729
SP061	Cer(d18:0/20:0)	C38H77NO3	[M+H] <sup>+</sup>	596.5982	[M+HCOO] <sup>-</sup>	640.5885
SP062	Cer(d18:0/21:0)	C39H79NO3	[M+H] <sup>+</sup>	610.6138	[M+HCOO] <sup>-</sup>	654.6042
SP063	Cer(d18:0/22:0)	C40H81NO3	[M+H] <sup>+</sup>	624.6295	[M+HCOO] <sup>-</sup>	668.6198
SP064	Cer(d18:0/23:0)	C41H83NO3	[M+H] <sup>+</sup>	638.6451	[M+HCOO] <sup>-</sup>	682.6355
SP065	Cer(d18:0/24:0)	C42H85NO3	[M+H] <sup>+</sup>	652.6608	[M+HCOO] <sup>-</sup>	696.6511
SP066	Cer(d18:0/25:0)	C43H87NO3	[M+H] <sup>+</sup>	666.6764	[M+HCOO] <sup>-</sup>	710.6668
SP067	Cer(d18:0/26:0)	C44H89NO3	[M+H] <sup>+</sup>	680.6921	[M+HCOO] <sup>-</sup>	724.6824
SP068	Cer(d18:0/27:0)	C45H91NO3	[M+H] <sup>+</sup>	694.7077	[M+HCOO] <sup>-</sup>	738.6981
SP069	Cer(d18:0/28:0)	C46H93NO3	[M+H] <sup>+</sup>	708.7234	[M+HCOO] <sup>-</sup>	752.7137
SP070	Cer(d18:1/14:0)	C32H63NO3	[M+H] <sup>+</sup>	510.4886	[M+HCOO] <sup>-</sup>	554.4790
SP071	Cer(d18:1/15:0)	C33H65NO3	[M+H] <sup>+</sup>	524.5043	[M+HCOO] <sup>-</sup>	568.4946
SP072	Cer(d18:1/16:0)	C34H67NO3	[M+H] <sup>+</sup>	538.5199	[M+HCOO] <sup>-</sup>	582.5103
SP073	Cer(d18:1/17:0)	C35H69NO3	[M+H] <sup>+</sup>	552.5356	[M+HCOO] <sup>-</sup>	596.5259
SP074	Cer(d18:1/18:0)	C36H71NO3	[M+H] <sup>+</sup>	566.5512	[M+HCOO] <sup>-</sup>	610.5416
SP075	Cer(d18:1/19:0)	C37H73NO3	[M+H] <sup>+</sup>	580.5669	[M+HCOO] <sup>-</sup>	624.5572
SP076	Cer(d18:1/20:0)	C38H75NO3	[M+H] <sup>+</sup>	594.5825	[M+HCOO] <sup>-</sup>	638.5729
SP077	Cer(d18:1/21:0)	C39H77NO3	[M+H] <sup>+</sup>	608.5982	[M+HCOO] <sup>-</sup>	652.5885
SP078	Cer(d18:1/22:0)	C40H79NO3	[M+H] <sup>+</sup>	622.6138	[M+HCOO] <sup>-</sup>	666.6042
SP079	Cer(d18:1/23:0)	C41H81NO3	[M+H] <sup>+</sup>	636.6295	[M+HCOO] <sup>-</sup>	680.6198
SP080	Cer(d18:1/24:0)	C42H83NO3	[M+H] <sup>+</sup>	650.6451	[M+HCOO] <sup>-</sup>	694.6355
SP081	Cer(d18:1/25:0)	C43H85NO3	[M+H] <sup>+</sup>	664.6608	[M+HCOO] <sup>-</sup>	708.6511
SP082	Cer(d18:1/26:0)	C44H87NO3	[M+H] <sup>+</sup>	678.6764	[M+HCOO] <sup>-</sup>	722.6668
SP083	Cer(d18:1/27:0)	C45H89NO3	[M+H] <sup>+</sup>	692.6921	[M+HCOO] <sup>-</sup>	736.6824
SP084	Cer(d18:1/28:0)	C46H91NO3	[M+H] <sup>+</sup>	706.7077	[M+HCOO] <sup>-</sup>	750.6981
SP085	Cer(d18:1/14:1)	C32H61NO3	[M+H] <sup>+</sup>	508.4639	[M+HCOO] <sup>-</sup>	552.4543
SP086	Cer(d18:1/15:1)	C33H63NO3			[M+HCOO] <sup>-</sup>	566.4700
SP087	Cer(d18:1/16:1)	C34H65NO3	[M+H] <sup>+</sup>	536.4952	[M+HCOO] <sup>-</sup>	580.4856
SP088	Cer(d18:1/17:1)	C35H67NO3			[M+HCOO] <sup>-</sup>	594.5013
SP089	Cer(d18:1/18:1)	C36H69NO3	[M+H] <sup>+</sup>	564.5265	[M+HCOO] <sup>-</sup>	608.5169
SP090	Cer(d18:1/19:1)	C37H71NO3			[M+HCOO] <sup>-</sup>	622.5326
SP091	Cer(d18:1/20:1)	C38H73NO3	[M+H] <sup>+</sup>	592.5578	[M+HCOO] <sup>-</sup>	636.5482
SP092	Cer(d18:1/22:1)	C40H77NO3	[M+H] <sup>+</sup>	620.5891	[M+HCOO] <sup>-</sup>	664.5795
SP093	Cer(d18:1/23:1)	C41H79NO3	[M+H] <sup>+</sup>	634.6048	[M+HCOO] <sup>-</sup>	678.5952
SP094	Cer(d18:1/24:1)	C42H81NO3	[M+H] <sup>+</sup>	648.6204	[M+HCOO] <sup>-</sup>	692.6108
SP095	Cer(d18:1/25:1)	C43H83NO3	[M+H] <sup>+</sup>	662.6361	[M+HCOO] <sup>-</sup>	706.6265
SP096	Cer(d18:1/26:1)	C44H85NO3	[M+H] <sup>+</sup>	676.6517	[M+HCOO] <sup>-</sup>	720.6421
SP097	Cer(d18:1/27:1)	C45H87NO3			[M+HCOO] <sup>-</sup>	734.6578
SP098	Cer(d18:1/28:1)	C46H89NO3			[M+HCOO] <sup>-</sup>	748.6734
SP099	Cer(d18:1/29:1)	C47H91NO3			[M+HCOO] <sup>-</sup>	762.6891
SP100	Cer(d18:1/30:1)	C48H93NO3			[M+HCOO] <sup>-</sup>	776.7047
SP101	Cer(d18:1/18:2)	C36H67NO3	[M+H] <sup>+</sup>	562.5199	[M+HCOO] <sup>-</sup>	606.5103
SP102	Cer(d18:1/20:2)	C38H71NO3			[M+HCOO] <sup>-</sup>	634.5416
SP103	Cer(d18:1/22:2)	C40H75NO3	[M+H] <sup>+</sup>	618.5825	[M+HCOO] <sup>-</sup>	662.5729
SP104	Cer(d18:1/23:2)	C41H77NO3			[M+HCOO] <sup>-</sup>	676.5885

SP105	Cer(d18:1/24:2)	C42H79NO3	[M+H] <sup>+</sup>	646.6138	[M+HCOO] <sup>-</sup>	690.6042
SP106	Cer(d18:1/26:2)	C44H83NO3	[M+H] <sup>+</sup>	674.6451	[M+HCOO] <sup>-</sup>	718.6355
SP107	Cer(d18:0/16:0(2-OH))	C34H69NO4	[M+H] <sup>+</sup>	556.5305	[M+HCOO] <sup>-</sup>	600.5209
SP108	Cer(t18:0/14:0)	C32H65NO4	[M+H] <sup>+</sup>	528.4992	[M+HCOO] <sup>-</sup>	572.4896
SP109	Cer(t18:0/15:0)	C33H67NO4	[M+H] <sup>+</sup>	542.5148	[M+HCOO] <sup>-</sup>	586.5052
SP110	Cer(t18:0/16:0)	C34H69NO4	[M+H] <sup>+</sup>	556.5305	[M+HCOO] <sup>-</sup>	600.5209
SP111	Cer(t18:0/17:0)	C35H71NO4	[M+H] <sup>+</sup>	570.5461	[M+HCOO] <sup>-</sup>	614.5365
SP112	Cer(t18:0/18:0)	C36H73NO4	[M+H] <sup>+</sup>	584.5618	[M+HCOO] <sup>-</sup>	628.5522
SP113	Cer(t18:0/19:0)	C37H75NO4			[M+HCOO] <sup>-</sup>	642.5678
SP114	Cer(t18:0/20:0)	C38H77NO4	[M+H] <sup>+</sup>	612.5931	[M+HCOO] <sup>-</sup>	656.5835
SP115	Cer(t18:0/21:0)	C39H79NO4			[M+HCOO] <sup>-</sup>	670.5991
SP116	Cer(t18:0/22:0)	C40H81NO4	[M+H] <sup>+</sup>	640.6244	[M+HCOO] <sup>-</sup>	684.6148
SP117	Cer(t18:0/23:0)	C41H83NO4			[M+HCOO] <sup>-</sup>	698.6304
SP118	Cer(t18:0/24:0)	C42H85NO4	[M+H] <sup>+</sup>	668.6557	[M+HCOO] <sup>-</sup>	712.6461
SP119	Cer(t18:0/25:0)	C43H87NO4			[M+HCOO] <sup>-</sup>	726.6617
SP120	Cer(t18:0/26:0)	C44H89NO4			[M+HCOO] <sup>-</sup>	740.6774
SP121	Cer(t18:0/27:0)	C45H91NO4			[M+HCOO] <sup>-</sup>	754.6930
SP122	Cer(t18:0/28:0)	C46H93NO4			[M+HCOO] <sup>-</sup>	768.7087
SP123	Cer(t18:0/29:0)	C47H95NO4			[M+HCOO] <sup>-</sup>	782.7243
SP124	Cer(t18:0/30:0)	C48H97NO4			[M+HCOO] <sup>-</sup>	796.7400
SP125	Cer(d18:1/14:0(2-OH))	C32H63NO4	[M+H] <sup>+</sup>	526.4835	[M+HCOO] <sup>-</sup>	570.4739
SP126	Cer(d18:1/15:0(2-OH))	C33H65NO4	[M+H] <sup>+</sup>	540.4992	[M+HCOO] <sup>-</sup>	584.4896
SP127	Cer(d18:1/16:0(2-OH))	C34H67NO4	[M+H] <sup>+</sup>	554.5148	[M+HCOO] <sup>-</sup>	598.5052
SP128	Cer(d18:1/24:0(2-OH))	C42H83NO4	[M+H] <sup>+</sup>	666.6400	[M+HCOO] <sup>-</sup>	710.6304
SP129	Cer(d18:1/25:0(2-OH))	C43H85NO4	[M+H] <sup>+</sup>	680.6557	[M+HCOO] <sup>-</sup>	724.6461
SP130	Cer(d18:1/26:0(2-OH))	C44H87NO4	[M+H] <sup>+</sup>	694.6713	[M+HCOO] <sup>-</sup>	738.6617
SP131	Cer(d18:1/27:0(2-OH))	C45H89NO4			[M+HCOO] <sup>-</sup>	752.6774
SP132	Cer(d18:1/28:0(2-OH))	C46H91NO4			[M+HCOO] <sup>-</sup>	766.6930
SP133	Cer(t18:0/16:1)	C34H67NO4	[M+H] <sup>+</sup>	554.5148	[M+HCOO] <sup>-</sup>	598.5052
SP134	Cer(t18:0/18:1)	C36H71NO4			[M+HCOO] <sup>-</sup>	626.5365
SP135	Cer(t18:0/20:1)	C38H75NO4	[M+H] <sup>+</sup>	610.5774	[M+HCOO] <sup>-</sup>	654.5678
SP136	Cer(t18:0/22:1)	C40H79NO4	[M+H] <sup>+</sup>	638.6087	[M+HCOO] <sup>-</sup>	682.5991
SP137	Cer(t18:0/23:1)	C41H81NO4	[M+H] <sup>+</sup>	652.6244	[M+HCOO] <sup>-</sup>	696.6148
SP138	Cer(t18:0/24:1)	C42H83NO4	[M+H] <sup>+</sup>	666.6400	[M+HCOO] <sup>-</sup>	710.6304
SP139	Cer(t18:0/25:1)	C43H85NO4	[M+H] <sup>+</sup>	680.6557	[M+HCOO] <sup>-</sup>	724.6461
SP140	Cer(t18:0/26:1)	C44H87NO4	[M+H] <sup>+</sup>	694.6713	[M+HCOO] <sup>-</sup>	738.6617
SP141	Cer(d18:1/24:1(2-OH))	C42H81NO4	[M+H] <sup>+</sup>	664.6244		
SP142	Cer(t18:0/16:2)	C34H65NO4	[M+H] <sup>+</sup>	552.4992	[M+HCOO] <sup>-</sup>	596.4896
SP143	Cer(t18:0/18:2)	C36H69NO4			[M+HCOO] <sup>-</sup>	624.5209
SP144	Cer(t18:0/22:2)	C40H77NO4			[M+HCOO] <sup>-</sup>	680.5835
SP145	Cer(t18:0/24:2)	C42H81NO4	[M+H] <sup>+</sup>	664.6244	[M+HCOO] <sup>-</sup>	708.6148
SP146	Cer(t18:0/25:2)	C43H83NO4	[M+H] <sup>+</sup>	678.6400	[M+HCOO] <sup>-</sup>	722.6304
SP147	Cer(t18:0/14:0(2-OH))	C32H65NO5			[M+HCOO] <sup>-</sup>	588.4845
SP148	Cer(t18:0/16:0(2-OH))	C34H69NO5	[M+H] <sup>+</sup>	572.5254	[M+HCOO] <sup>-</sup>	616.5158
SP149	Cer(t18:0/18:0(2-OH))	C36H73NO5	[M+H] <sup>+</sup>	600.5567	[M+HCOO] <sup>-</sup>	644.5471
SP150	Cer(t18:0/20:0(2-OH))	C38H77NO5			[M+HCOO] <sup>-</sup>	672.5784
SP151	Cer(t18:0/21:0(2-OH))	C39H79NO5			[M+HCOO] <sup>-</sup>	686.5940
SP152	Cer(t18:0/22:0(2-OH))	C40H81NO5	[M+H] <sup>+</sup>	656.6193	[M+HCOO] <sup>-</sup>	700.6097
SP153	Cer(t18:0/23:0(2-OH))	C41H83NO5	[M+H] <sup>+</sup>	670.6349	[M+HCOO] <sup>-</sup>	714.6253
SP154	Cer(t18:0/24:0(2-OH))	C42H85NO5	[M+H] <sup>+</sup>	684.6506	[M+HCOO] <sup>-</sup>	728.6410
SP155	Cer(t18:0/25:0(2-OH))	C43H87NO5	[M+H] <sup>+</sup>	698.6662	[M+HCOO] <sup>-</sup>	742.6566
SP156	Cer(t18:0/26:0(2-OH))	C44H89NO5	[M+H] <sup>+</sup>	712.6819	[M+HCOO] <sup>-</sup>	756.6723
SP157	Cer(t18:0/27:0(2-OH))	C45H91NO5			[M+HCOO] <sup>-</sup>	770.6879
SP158	Cer(t18:0/28:0(2-OH))	C46H93NO5	[M+H] <sup>+</sup>	740.7132	[M+HCOO] <sup>-</sup>	784.7036
SP159	Cer(t18:0/29:0(2-OH))	C47H95NO5			[M+HCOO] <sup>-</sup>	798.7192
SP160	Cer(t18:0/30:0(2-OH))	C48H97NO5			[M+HCOO] <sup>-</sup>	812.7349
SP161	HexCer(d18:0/16:0)	C40H79NO8	[M+H] <sup>+</sup>	702.5884	[M+HCOO] <sup>-</sup>	746.5788
SP162	HexCer(d18:0/18:0)	C42H83NO8	[M+H] <sup>+</sup>	730.6197	[M+HCOO] <sup>-</sup>	774.6101
SP163	HexCer(d18:0/22:0)	C46H91NO8	[M+H] <sup>+</sup>	786.6823	[M+HCOO] <sup>-</sup>	830.6727
SP164	HexCer(d18:0/24:0)	C48H95NO8	[M+H] <sup>+</sup>	814.7136	[M+HCOO] <sup>-</sup>	858.7040
SP165	HexCer(d18:0/26:0)	C50H99NO8	[M+H] <sup>+</sup>	842.7449	[M+HCOO] <sup>-</sup>	886.7353
SP166	HexCer(d18:1/14:0)	C38H73NO8	[M+H] <sup>+</sup>	672.5414	[M+HCOO] <sup>-</sup>	716.5318
SP167	HexCer(d18:1/16:0)	C40H77NO8	[M+H] <sup>+</sup>	700.5727	[M+HCOO] <sup>-</sup>	744.5631
SP168	HexCer(d18:1/18:0)	C42H81NO8	[M+H] <sup>+</sup>	728.6040	[M+HCOO] <sup>-</sup>	772.5944

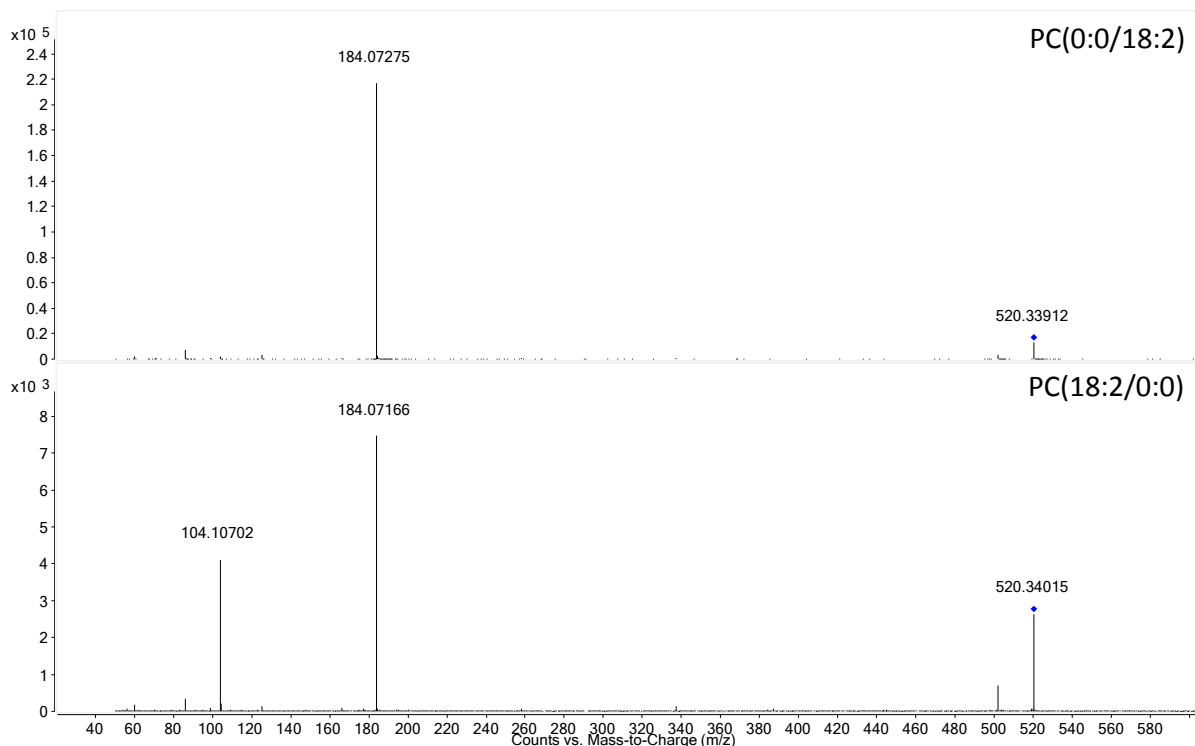
SP169	HexCer(d18:1/20:0)	C44H85NO8	[M+H] <sup>+</sup>	756.6353	[M+HCOO] <sup>-</sup>	800.6257
SP170	HexCer(d18:1/21:0)	C45H87NO8			[M+HCOO] <sup>-</sup>	814.6414
SP171	HexCer(d18:1/22:0)	C46H89NO8	[M+H] <sup>+</sup>	784.6666	[M+HCOO] <sup>-</sup>	828.6570
SP172	HexCer(d18:1/23:0)	C47H91NO8			[M+HCOO] <sup>-</sup>	842.6727
SP173	HexCer(d18:1/24:0)	C48H93NO8	[M+H] <sup>+</sup>	812.6979	[M+HCOO] <sup>-</sup>	856.6883
SP174	HexCer(d18:1/26:0)	C50H97NO8	[M+H] <sup>+</sup>	840.7292	[M+HCOO] <sup>-</sup>	884.7196
SP175	HexCer(d18:1/28:0)	C52H101NO8			[M+HCOO] <sup>-</sup>	912.7509
SP176	HexCer(d18:1/22:1)	C46H87NO8			[M+HCOO] <sup>-</sup>	826.6414
SP177	HexCer(d18:1/24:1)	C48H91NO8	[M+H] <sup>+</sup>	810.6823	[M+HCOO] <sup>-</sup>	854.6727
SP178	HexCer(d18:1/24:2)	C48H89NO8	[M+H] <sup>+</sup>	808.6666	[M+HCOO] <sup>-</sup>	852.6570
SP179	HexCer(t18:0/14:0)	C38H75NO9	[M+H] <sup>+</sup>	690.5520	[M+HCOO] <sup>-</sup>	734.5424
SP180	HexCer(t18:0/16:0)	C40H79NO9	[M+H] <sup>+</sup>	718.5833	[M+HCOO] <sup>-</sup>	762.5737
SP181	HexCer(t18:0/18:0)	C42H83NO9	[M+H] <sup>+</sup>	746.6146	[M+HCOO] <sup>-</sup>	790.6050
SP182	HexCer(t18:0/20:0)	C44H87NO9	[M+H] <sup>+</sup>	774.6459	[M+HCOO] <sup>-</sup>	818.6363
SP183	HexCer(t18:0/22:0)	C46H91NO9	[M+H] <sup>+</sup>	802.6772	[M+HCOO] <sup>-</sup>	846.6676
SP184	HexCer(t18:0/23:0)	C47H93NO9	[M+H] <sup>+</sup>	816.6929	[M+HCOO] <sup>-</sup>	860.6832
SP185	HexCer(t18:0/24:0)	C48H95NO9	[M+H] <sup>+</sup>	830.7085	[M+HCOO] <sup>-</sup>	874.6989
SP186	HexCer(t18:0/26:0)	C50H99NO9	[M+H] <sup>+</sup>	858.7398	[M+HCOO] <sup>-</sup>	902.7302
SP187	HexCer(t18:0/28:0)	C52H103NO9	[M+H] <sup>+</sup>	886.7711	[M+HCOO] <sup>-</sup>	930.7615
SP188	HexCer(d18:0/16:0(2-OH))	C40H79NO9	[M+H] <sup>+</sup>	718.5833	[M+HCOO] <sup>-</sup>	762.5737
SP189	HexCer(d18:0/22:0(2-OH))	C46H91NO9	[M+H] <sup>+</sup>	802.6772	[M+HCOO] <sup>-</sup>	846.6676
SP190	HexCer(d18:0/24:0(2-OH))	C48H95NO9	[M+H] <sup>+</sup>	830.7085	[M+HCOO] <sup>-</sup>	874.6989
SP191	HexCer(d18:0/26:0(2-OH))	C50H99NO9	[M+H] <sup>+</sup>	858.7398	[M+HCOO] <sup>-</sup>	902.7302
SP192	HexCer(t18:0/24:1)	C48H93NO9	[M+H] <sup>+</sup>	828.6929	[M+HCOO] <sup>-</sup>	872.6832
SP193	HexCer(t18:0/26:1)	C50H97NO9			[M+HCOO] <sup>-</sup>	900.7145
SP194	HexCer(d18:1/16:0(2-OH))	C40H77NO9	[M+H] <sup>+</sup>	716.5677	[M+HCOO] <sup>-</sup>	760.5580
SP195	HexCer(d18:1/22:0(2-OH))	C46H89NO9	[M+H] <sup>+</sup>	800.6616	[M+HCOO] <sup>-</sup>	844.6519
SP196	HexCer(d18:1/24:0(2-OH))	C48H93NO9			[M+HCOO] <sup>-</sup>	872.6832
SP197	HexCer(d18:1/26:0(2-OH))	C50H97NO9			[M+HCOO] <sup>-</sup>	900.7145
SP198	HexCer(t18:0/24:2)	C48H91NO9	[M+H] <sup>+</sup>	826.6772	[M+HCOO] <sup>-</sup>	870.6676
SP199	HexCer(d18:1/24:1(2-OH))	C48H91NO9	[M+H] <sup>+</sup>	826.6772	[M+HCOO] <sup>-</sup>	870.6676
SP200	HexCer(t18:0/22:0(2-OH))	C46H91NO10	[M+H] <sup>+</sup>	818.6721	[M+HCOO] <sup>-</sup>	862.6625
SP201	HexCer(t18:0/23:0(2-OH))	C47H93NO10			[M+HCOO] <sup>-</sup>	876.6781
SP202	HexCer(t18:0/24:0(2-OH))	C48H95NO10	[M+H] <sup>+</sup>	846.7034	[M+HCOO] <sup>-</sup>	890.6938
SP203	HexCer(t18:0/26:0(2-OH))	C50H99NO10	[M+H] <sup>+</sup>	874.7347	[M+HCOO] <sup>-</sup>	918.7251
SP204	HexCer(t18:0/24:1(2-OH))	C48H95NO10	[M+H] <sup>+</sup>	846.7034	[M+HCOO] <sup>-</sup>	890.6938
SP205	HexHexCer(d18:0/16:0)	C46H89NO13	[M+H] <sup>+</sup>	864.6412	[M+HCOO] <sup>-</sup>	908.6316
SP206	HexHexCer(d18:1/16:0)	C46H87NO13	[M+H] <sup>+</sup>	862.6256	[M+HCOO] <sup>-</sup>	906.6159
SP207	HexHexCer(d18:1/17:0)	C47H89NO13	[M+H] <sup>+</sup>	876.6412	[M+HCOO] <sup>-</sup>	920.6316
SP208	HexHexCer(d18:1/18:0)	C48H91NO13	[M+H] <sup>+</sup>	890.6569	[M+HCOO] <sup>-</sup>	934.6472
SP209	HexHexCer(d18:1/19:0)	C49H93NO13	[M+H] <sup>+</sup>	904.6725		
SP210	HexHexCer(d18:1/20:0)	C50H95NO13	[M+H] <sup>+</sup>	918.6882	[M+HCOO] <sup>-</sup>	962.6785
SP211	HexHexCer(d18:1/21:0)	C51H97NO13	[M+H] <sup>+</sup>	932.7038		
SP212	HexHexCer(d18:1/22:0)	C52H99NO13	[M+H] <sup>+</sup>	946.7195	[M+HCOO] <sup>-</sup>	990.7098
SP213	HexHexCer(d18:1/23:0)	C53H101NO13	[M+H] <sup>+</sup>	960.7351	[M+HCOO] <sup>-</sup>	1004.7255
SP214	HexHexCer(d18:1/24:0)	C54H103NO13	[M+H] <sup>+</sup>	974.7508	[M+HCOO] <sup>-</sup>	1018.7411
SP215	HexHexCer(d18:1/25:0)	C55H105NO13	[M+H] <sup>+</sup>	988.7664	[M+HCOO] <sup>-</sup>	1032.7568
SP216	HexHexCer(d18:1/26:0)	C56H107NO13	[M+H] <sup>+</sup>	1002.7821	[M+HCOO] <sup>-</sup>	1046.7724
SP217	HexHexCer(d18:1/16:1)	C46H85NO13	[M+H] <sup>+</sup>	860.6099	[M+HCOO] <sup>-</sup>	904.6003
SP218	HexHexCer(d18:1/22:1)	C52H97NO13	[M+H] <sup>+</sup>	944.7038	[M+HCOO] <sup>-</sup>	988.6942
SP219	HexHexCer(d18:1/23:1)	C53H99NO13	[M+H] <sup>+</sup>	958.7195	[M+HCOO] <sup>-</sup>	1002.7098
SP220	HexHexCer(d18:1/24:1)	C54H101NO13	[M+H] <sup>+</sup>	972.7351	[M+HCOO] <sup>-</sup>	1016.7255
SP221	HexHexCer(d18:1/25:1)	C55H103NO13	[M+H] <sup>+</sup>	986.7508	[M+HCOO] <sup>-</sup>	1030.7411
SP222	HexHexCer(d18:1/26:1)	C56H105NO13	[M+H] <sup>+</sup>	1000.7664	[M+HCOO] <sup>-</sup>	1044.7568
SP223	HexHexCer(d18:1/22:2)	C52H95NO13	[M+H] <sup>+</sup>	942.6882	[M+HCOO] <sup>-</sup>	986.6785
SP224	HexHexCer(d18:1/24:2)	C54H99NO13	[M+H] <sup>+</sup>	970.7195	[M+HCOO] <sup>-</sup>	1014.7098
SP225	HexHexCer(d18:1/26:2)	C56H103NO13	[M+H] <sup>+</sup>	998.7508	[M+HCOO] <sup>-</sup>	1042.7411
SP226	HexHexCer(t18:0/16:0)	C46H89NO14	[M+H] <sup>+</sup>	880.6361	[M+HCOO] <sup>-</sup>	924.6265
SP227	HexHexCer(t18:0/18:0)	C48H93NO14	[M+H] <sup>+</sup>	908.6674	[M+HCOO] <sup>-</sup>	952.6578
SP228	HexHexCer(t18:0/19:0)	C49H95NO14	[M+H] <sup>+</sup>	922.6831		
SP229	HexHexCer(t18:0/20:0)	C50H97NO14	[M+H] <sup>+</sup>	936.6987	[M+HCOO] <sup>-</sup>	980.6891
SP230	HexHexCer(t18:0/22:0)	C52H101NO14	[M+H] <sup>+</sup>	964.7300	[M+HCOO] <sup>-</sup>	1008.7204
SP231	HexHexCer(t18:0/24:0)	C54H105NO14	[M+H] <sup>+</sup>	992.7613	[M+HCOO] <sup>-</sup>	1036.7517
SP232	HexHexCer(t18:0/18:1)	C48H91NO14	[M+H] <sup>+</sup>	906.6518	[M+HCOO] <sup>-</sup>	950.6422

SP233	HexHexCer(t18:0/22:1)	C52H99NO14	[M+H] <sup>+</sup>	962.7144	[M+HCOO] <sup>-</sup>	1006.7048
SP234	HexHexCer(t18:0/24:1)	C54H103NO14	[M+H] <sup>+</sup>	990.7457	[M+HCOO] <sup>-</sup>	1034.7361
SP235	HexHexCer(t18:0/22:2)	C52H97NO14	[M+H] <sup>+</sup>	960.6987	[M+HCOO] <sup>-</sup>	1004.6891
SP236	HexHexCer(t18:0/24:2)	C54H101NO14	[M+H] <sup>+</sup>	988.7300	[M+HCOO] <sup>-</sup>	1032.7204
SP237	HexHexCer(t18:0/26:2)	C56H105NO14	[M+H] <sup>+</sup>	1016.7613	[M+HCOO] <sup>-</sup>	1060.7517
SP238	HexHexCer(d18:1/22:1(2-OH))	C52H97NO14	[M+H] <sup>+</sup>	960.6987		
SP239	HexHexCer(d18:1/24:1(2-OH))	C54H101NO14	[M+H] <sup>+</sup>	988.7300	[M+HCOO] <sup>-</sup>	1032.7204
SP240	HexHexCer(d18:0/16:0(2-OH))	C46H89NO14	[M+H] <sup>+</sup>	880.6361	[M+HCOO] <sup>-</sup>	924.6265
SP241	HexHexCer(d18:1/16:0(2-OH))	C46H87NO14	[M+H] <sup>+</sup>	878.6205	[M+HCOO] <sup>-</sup>	922.6109
SP242	HexHexCer(d18:1/18:0(2-OH))	C48H91NO14	[M+H] <sup>+</sup>	906.6518	[M+HCOO] <sup>-</sup>	950.6422
SP243	HexHexCer(d18:1/20:0(2-OH))	C50H95NO14	[M+H] <sup>+</sup>	934.6831	[M+HCOO] <sup>-</sup>	978.6735
SP244	HexHexCer(d18:1/22:0(2-OH))	C52H99NO14	[M+H] <sup>+</sup>	962.7144	[M+HCOO] <sup>-</sup>	1006.7048
SP245	HexHexCer(d18:1/23:0(2-OH))	C53H101NO14	[M+H] <sup>+</sup>	976.7300	[M+HCOO] <sup>-</sup>	1020.7204
SP246	HexHexCer(d18:1/24:0(2-OH))	C54H103NO14	[M+H] <sup>+</sup>	990.7457	[M+HCOO] <sup>-</sup>	1034.7361
SP247	HexHexCer(d18:1/26:0(2-OH))	C56H107NO14	[M+H] <sup>+</sup>	1018.7770	[M+HCOO] <sup>-</sup>	1062.7674
SP248	HexHexCer(t18:0/16:0(2-OH))	C46H89NO15	[M+H] <sup>+</sup>	896.6310	[M+HCOO] <sup>-</sup>	940.6214
SP249	HexHexCer(t18:0/18:0(2-OH))	C48H93NO15	[M+H] <sup>+</sup>	924.6623		
SP250	HexHexCer(t18:0/20:0(2-OH))	C50H97NO15	[M+H] <sup>+</sup>	952.6936		
SP251	HexHexCer(t18:0/22:0(2-OH))	C52H101NO15	[M+H] <sup>+</sup>	980.7249		
SP252	HexHexCer(t18:0/24:0(2-OH))	C54H105NO15	[M+H] <sup>+</sup>	1008.7562		
SP253	HexHexHexCer(d18:0/14:0)	C50H95NO18	[M+H] <sup>+</sup>	998.6627		
SP254	HexHexHexCer(d18:0/16:0)	C52H99NO18	[M+H] <sup>+</sup>	1026.6940	[M+HCOO] <sup>-</sup>	1070.6844
SP255	HexHexHexCer(d18:0/18:0)	C54H103NO18	[M+H] <sup>+</sup>	1054.7253	[M+HCOO] <sup>-</sup>	1098.7157
SP256	HexHexHexCer(d18:0/20:0)	C56H107NO18	[M+H] <sup>+</sup>	1082.7566	[M+HCOO] <sup>-</sup>	1126.7470
SP257	HexHexHexCer(d18:0/22:0)	C58H111NO18	[M+H] <sup>+</sup>	1110.7879	[M+HCOO] <sup>-</sup>	1154.7783
SP258	HexHexHexCer(d18:0/24:0)	C60H115NO18	[M+H] <sup>+</sup>	1138.8192	[M+HCOO] <sup>-</sup>	1182.8096
SP259	HexHexHexCer(d18:1/14:0)	C50H93NO18	[M+H] <sup>+</sup>	996.6471	[M+HCOO] <sup>-</sup>	1040.6375
SP260	HexHexHexCer(d18:1/15:0)	C51H95NO18	[M+H] <sup>+</sup>	1010.6627	[M+HCOO] <sup>-</sup>	1054.6531
SP261	HexHexHexCer(d18:1/16:0)	C52H97NO18	[M+H] <sup>+</sup>	1024.6784	[M+HCOO] <sup>-</sup>	1068.6688
SP262	HexHexHexCer(d18:1/17:0)	C53H99NO18	[M+H] <sup>+</sup>	1038.6940	[M+HCOO] <sup>-</sup>	1082.6844
SP263	HexHexHexCer(d18:1/18:0)	C54H101NO18	[M+H] <sup>+</sup>	1052.7097	[M+HCOO] <sup>-</sup>	1096.7001
SP264	HexHexHexCer(d18:1/19:0)	C55H103NO18	[M+H] <sup>+</sup>	1066.7253	[M+HCOO] <sup>-</sup>	1110.7157
SP265	HexHexHexCer(d18:1/20:0)	C56H105NO18	[M+H] <sup>+</sup>	1080.7410	[M+HCOO] <sup>-</sup>	1124.7314
SP266	HexHexHexCer(d18:1/21:0)	C57H107NO18	[M+H] <sup>+</sup>	1094.7566	[M+HCOO] <sup>-</sup>	1138.7470
SP267	HexHexHexCer(d18:1/22:0)	C58H109NO18	[M+H] <sup>+</sup>	1108.7723	[M+HCOO] <sup>-</sup>	1152.7627
SP268	HexHexHexCer(d18:1/23:0)	C59H111NO18	[M+H] <sup>+</sup>	1122.7879	[M+HCOO] <sup>-</sup>	1166.7783
SP269	HexHexHexCer(d18:1/24:0)	C60H113NO18	[M+H] <sup>+</sup>	1136.8036	[M+HCOO] <sup>-</sup>	1180.7940
SP270	HexHexHexCer(d18:1/25:0)	C61H115NO18	[M+H] <sup>+</sup>	1150.8192	[M+HCOO] <sup>-</sup>	1194.8096
SP271	HexHexHexCer(d18:1/26:0)	C62H117NO18	[M+H] <sup>+</sup>	1164.8349	[M+HCOO] <sup>-</sup>	1208.8253
SP272	HexHexHexCer(d18:1/16:1)	C52H95NO18	[M+H] <sup>+</sup>	1022.6627	[M+HCOO] <sup>-</sup>	1066.6531
SP273	HexHexHexCer(d18:1/18:1)	C54H99NO18	[M+H] <sup>+</sup>	1050.6940	[M+HCOO] <sup>-</sup>	1094.6844
SP274	HexHexHexCer(d18:1/20:1)	C56H103NO18	[M+H] <sup>+</sup>	1078.7253	[M+HCOO] <sup>-</sup>	1122.7157
SP275	HexHexHexCer(d18:1/22:1)	C58H107NO18	[M+H] <sup>+</sup>	1106.7566	[M+HCOO] <sup>-</sup>	1150.7470
SP276	HexHexHexCer(d18:1/23:1)	C59H109NO18	[M+H] <sup>+</sup>	1120.7723	[M+HCOO] <sup>-</sup>	1164.7627
SP277	HexHexHexCer(d18:1/24:1)	C60H111NO18	[M+H] <sup>+</sup>	1134.7879	[M+HCOO] <sup>-</sup>	1178.7783
SP278	HexHexHexCer(d18:1/25:1)	C61H113NO18	[M+H] <sup>+</sup>	1148.8036	[M+HCOO] <sup>-</sup>	1192.7940
SP279	HexHexHexCer(d18:1/26:1)	C62H115NO18	[M+H] <sup>+</sup>	1162.8192	[M+HCOO] <sup>-</sup>	1206.8096
SP280	HexHexHexCer(d18:1/22:2)	C58H105NO18	[M+H] <sup>+</sup>	1104.7410	[M+HCOO] <sup>-</sup>	1148.7314
SP281	HexHexHexCer(d18:1/24:2)	C60H109NO18	[M+H] <sup>+</sup>	1132.7723	[M+HCOO] <sup>-</sup>	1176.7627
SP282	HexHexHexCer(t18:0/16:0)	C52H99NO19	[M+H] <sup>+</sup>	1042.6890	[M+HCOO] <sup>-</sup>	1086.6793
SP283	HexHexHexCer(t18:0/17:0)	C53H101NO19	[M+H] <sup>+</sup>	1056.7046	[M+HCOO] <sup>-</sup>	1100.6950
SP284	HexHexHexCer(t18:0/18:0)	C54H103NO19	[M+H] <sup>+</sup>	1070.7203	[M+HCOO] <sup>-</sup>	1114.7106
SP285	HexHexHexCer(t18:0/19:0)	C55H105NO19	[M+H] <sup>+</sup>	1084.7359	[M+HCOO] <sup>-</sup>	1128.7263
SP286	HexHexHexCer(t18:0/20:0)	C56H107NO19	[M+H] <sup>+</sup>	1098.7516	[M+HCOO] <sup>-</sup>	1142.7419
SP287	HexHexHexCer(t18:0/21:0)	C57H109NO19	[M+H] <sup>+</sup>	1112.7672	[M+HCOO] <sup>-</sup>	1156.7576
SP288	HexHexHexCer(t18:0/22:0)	C58H111NO19	[M+H] <sup>+</sup>	1126.7829	[M+HCOO] <sup>-</sup>	1170.7732
SP289	HexHexHexCer(t18:0/23:0)	C59H113NO19	[M+H] <sup>+</sup>	1140.7985	[M+HCOO] <sup>-</sup>	1184.7889
SP290	HexHexHexCer(t18:0/24:0)	C60H115NO19	[M+H] <sup>+</sup>	1154.8142	[M+HCOO] <sup>-</sup>	1198.8045
SP291	HexHexHexCer(t18:0/26:0)	C62H119NO19	[M+H] <sup>+</sup>	1182.8455	[M+HCOO] <sup>-</sup>	1226.8358
SP292	HexHexHexCer(d18:0/16:0(2-OH))	C52H99NO19	[M+H] <sup>+</sup>	1042.6890	[M+HCOO] <sup>-</sup>	1086.6793
SP293	HexHexHexCer(d18:0/18:0(2-OH))	C54H103NO19	[M+H] <sup>+</sup>	1070.7203	[M+HCOO] <sup>-</sup>	1114.7106
SP294	HexHexHexCer(d18:0/20:0(2-OH))	C56H107NO19	[M+H] <sup>+</sup>	1098.7516	[M+HCOO] <sup>-</sup>	1142.7419
SP295	HexHexHexCer(d18:0/21:0(2-OH))	C57H109NO19	[M+H] <sup>+</sup>	1112.7672		
SP296	HexHexHexCer(d18:0/22:0(2-OH))	C58H111NO19	[M+H] <sup>+</sup>	1126.7829	[M+HCOO] <sup>-</sup>	1170.7732

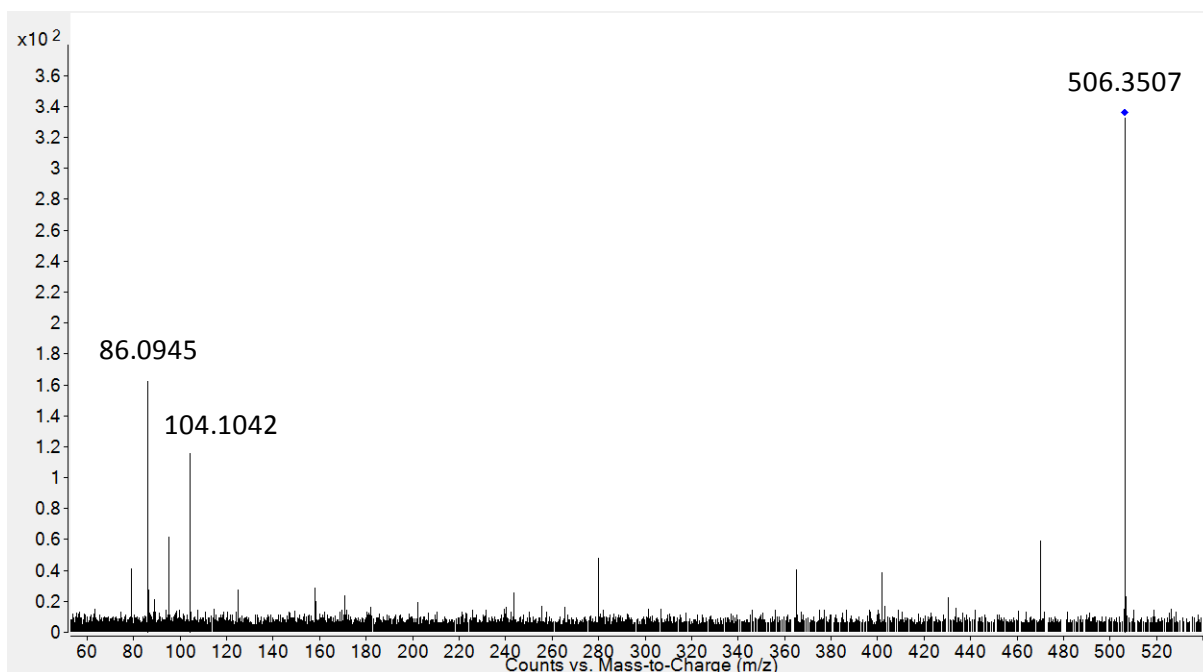
SP297	HexHexHexCer(d18:0/23:0(2-OH))	C59H113NO19	[M+H] <sup>+</sup>	1140.7985	[M+HCOO] <sup>-</sup>	1184.7889
SP298	HexHexHexCer(d18:0/24:0(2-OH))	C60H115NO19	[M+H] <sup>+</sup>	1154.8142	[M+HCOO] <sup>-</sup>	1198.8045
SP299	HexHexHexCer(d18:0/24:1(2-OH))	C60H113NO19	[M+H] <sup>+</sup>	1152.7985	[M+HCOO] <sup>-</sup>	1196.7889
SP300	HexHexHexCer(d18:0/26:0(2-OH))	C62H119NO19	[M+H] <sup>+</sup>	1182.8455	[M+HCOO] <sup>-</sup>	1226.8358
SP301	HexHexHexCer(t18:0/16:1)	C52H97NO19	[M+H] <sup>+</sup>	1040.6733	[M+HCOO] <sup>-</sup>	1084.6637
SP302	HexHexHexCer(t18:0/18:1)	C54H101NO19	[M+H] <sup>+</sup>	1068.7046	[M+HCOO] <sup>-</sup>	1112.6950
SP303	HexHexHexCer(t18:0/20:1)	C56H105NO19	[M+H] <sup>+</sup>	1096.7359		
SP304	HexHexHexCer(t18:0/22:1)	C58H109NO19	[M+H] <sup>+</sup>	1124.7672	[M+HCOO] <sup>-</sup>	1168.7576
SP305	HexHexHexCer(t18:0/23:1)	C59H111NO19	[M+H] <sup>+</sup>	1138.7829		
SP306	HexHexHexCer(t18:0/24:1)	C60H113NO19	[M+H] <sup>+</sup>	1152.7985	[M+HCOO] <sup>-</sup>	1196.7889
SP307	HexHexHexCer(t18:0/25:1)	C61H115NO19	[M+H] <sup>+</sup>	1166.8142	[M+HCOO] <sup>-</sup>	1210.8045
SP308	HexHexHexCer(t18:0/26:1)	C62H117NO19	[M+H] <sup>+</sup>	1180.8298		
SP309	HexHexHexCer(d18:1/16:0(2-OH))	C52H97NO19	[M+H] <sup>+</sup>	1040.6733	[M+HCOO] <sup>-</sup>	1084.6637
SP310	HexHexHexCer(d18:1/17:0(2-OH))	C53H99NO19	[M+H] <sup>+</sup>	1054.6890	[M+HCOO] <sup>-</sup>	1098.6793
SP311	HexHexHexCer(d18:1/18:0(2-OH))	C54H101NO19	[M+H] <sup>+</sup>	1068.7046	[M+HCOO] <sup>-</sup>	1112.6950
SP312	HexHexHexCer(d18:1/19:0(2-OH))	C55H103NO19	[M+H] <sup>+</sup>	1082.7203		
SP313	HexHexHexCer(d18:1/20:0(2-OH))	C56H105NO19	[M+H] <sup>+</sup>	1096.7359	[M+HCOO] <sup>-</sup>	1140.7263
SP314	HexHexHexCer(d18:1/21:0(2-OH))	C57H107NO19	[M+H] <sup>+</sup>	1110.7516	[M+HCOO] <sup>-</sup>	1154.7419
SP315	HexHexHexCer(d18:1/22:0(2-OH))	C58H109NO19	[M+H] <sup>+</sup>	1124.7672	[M+HCOO] <sup>-</sup>	1168.7576
SP316	HexHexHexCer(d18:1/23:0(2-OH))	C59H111NO19	[M+H] <sup>+</sup>	1138.7829	[M+HCOO] <sup>-</sup>	1182.7732
SP317	HexHexHexCer(d18:1/24:0(2-OH))	C60H113NO19	[M+H] <sup>+</sup>	1152.7985	[M+HCOO] <sup>-</sup>	1196.7889
SP318	HexHexHexCer(d18:1/25:0(2-OH))	C61H115NO19	[M+H] <sup>+</sup>	1166.8142	[M+HCOO] <sup>-</sup>	1210.8045
SP319	HexHexHexCer(d18:1/26:0(2-OH))	C62H117NO19	[M+H] <sup>+</sup>	1180.8298	[M+HCOO] <sup>-</sup>	1224.8202
SP320	HexHexHexCer(d18:1/27:0(2-OH))	C63H119NO19	[M+H] <sup>+</sup>	1194.8455		
SP321	HexHexHexCer(t18:0/18:2)	C54H99NO19	[M+H] <sup>+</sup>	1066.6890		
SP322	HexHexHexCer(t18:0/20:2)	C56H103NO19	[M+H] <sup>+</sup>	1094.7203		
SP323	HexHexHexCer(t18:0/22:2)	C58H107NO19	[M+H] <sup>+</sup>	1122.7516	[M+HCOO] <sup>-</sup>	1166.7419
SP324	HexHexHexCer(t18:0/24:2)	C60H111NO19	[M+H] <sup>+</sup>	1150.7829	[M+HCOO] <sup>-</sup>	1194.7732
SP325	HexHexHexCer(t18:0/26:2)	C62H115NO19	[M+H] <sup>+</sup>	1178.8142		
SP326	HexHexHexCer(d18:1/20:1(2-OH))	C56H103NO19	[M+H] <sup>+</sup>	1094.7203		
SP327	HexHexHexCer(d18:1/22:1(2-OH))	C58H107NO19	[M+H] <sup>+</sup>	1122.7516		
SP328	HexHexHexCer(d18:1/23:1(2-OH))	C59H109NO19	[M+H] <sup>+</sup>	1136.7672		
SP329	HexHexHexCer(d18:1/24:1(2-OH))	C60H111NO19	[M+H] <sup>+</sup>	1150.7829	[M+HCOO] <sup>-</sup>	1194.7732
SP330	HexHexHexCer(d18:1/25:1(2-OH))	C62H115NO19	[M+H] <sup>+</sup>	1164.7985		
SP331	HexHexHexCer(d18:1/26:1(2-OH))	C63H117NO19	[M+H] <sup>+</sup>	1178.8142	[M+HCOO] <sup>-</sup>	1222.8045
SP332	HexHexHexCer(t18:0/16:0(2-OH))	C52H99NO20	[M+H] <sup>+</sup>	1058.6839	[M+HCOO] <sup>-</sup>	1102.6742
SP333	HexHexHexCer(t18:0/18:0(2-OH))	C54H103NO20	[M+H] <sup>+</sup>	1086.7152	[M+HCOO] <sup>-</sup>	1130.7055
SP334	HexHexHexCer(t18:0/20:0(2-OH))	C56H107NO20	[M+H] <sup>+</sup>	1114.7465	[M+HCOO] <sup>-</sup>	1158.7368
SP335	HexHexHexCer(t18:0/22:0(2-OH))	C58H111NO20	[M+H] <sup>+</sup>	1142.7778	[M+HCOO] <sup>-</sup>	1186.7681
SP336	HexHexHexCer(t18:0/23:0(2-OH))	C59H113NO20	[M+H] <sup>+</sup>	1156.7934	[M+HCOO] <sup>-</sup>	1200.7838
SP337	HexHexHexCer(t18:0/24:0(2-OH))	C60H115NO20	[M+H] <sup>+</sup>	1170.8091	[M+HCOO] <sup>-</sup>	1214.7994
SP338	HexHexHexCer(t18:0/25:0(2-OH))	C61H117NO20	[M+H] <sup>+</sup>	#REF!	[M+HCOO] <sup>-</sup>	1228.8151
SP339	HexHexHexCer(t18:0/26:0(2-OH))	C62H119NO20	[M+H] <sup>+</sup>	1198.8404	[M+HCOO] <sup>-</sup>	1242.8307
SP340	HexNAcHexHexHexCer(d18:0/16:0)	C60H112N2O23	[M+H] <sup>+</sup>	1229.7734	[M-H] <sup>-</sup>	1227.7578
SP341	HexNAcHexHexHexCer(d18:0/18:0)	C62H116N2O23	[M+H] <sup>+</sup>	1257.8047		
SP342	HexNAcHexHexHexCer(d18:0/20:0)	C64H120N2O23	[M+H] <sup>+</sup>	1285.8360		
SP343	HexNAcHexHexHexCer(d18:0/22:0)	C66H124N2O23	[M+H] <sup>+</sup>	1313.8673		
SP344	HexNAcHexHexHexCer(d18:0/24:0)	C68H128N2O23	[M+H] <sup>+</sup>	1341.8986		
SP345	HexNAcHexHexHexCer(d18:1/16:0)	C60H110N2O23	[M+H] <sup>+</sup>	1227.7578	[M-H] <sup>-</sup>	1225.7421
SP346	HexNAcHexHexHexCer(d18:1/18:0)	C62H114N2O23	[M+H] <sup>+</sup>	1255.7891	[M-H] <sup>-</sup>	1253.7734
SP347	HexNAcHexHexHexCer(d18:1/20:0)	C64H118N2O23	[M+H] <sup>+</sup>	1283.8204	[M-H] <sup>-</sup>	1281.8047
SP348	HexNAcHexHexHexCer(d18:1/21:0)	C65H120N2O23	[M+H] <sup>+</sup>	1297.8360	[M-H] <sup>-</sup>	1295.8204
SP349	HexNAcHexHexHexCer(d18:1/22:0)	C66H122N2O23	[M+H] <sup>+</sup>	1311.8517	[M-H] <sup>-</sup>	1309.8360
SP350	HexNAcHexHexHexCer(d18:1/23:0)	C67H124N2O23	[M+H] <sup>+</sup>	1325.8673	[M-H] <sup>-</sup>	1323.8517
SP351	HexNAcHexHexHexCer(d18:1/24:0)	C68H126N2O23	[M+H] <sup>+</sup>	1339.8830	[M-H] <sup>-</sup>	1337.8673
SP352	HexNAcHexHexHexCer(d18:1/23:1)	C67H122N2O23	[M+H] <sup>+</sup>	1323.8517		
SP353	HexNAcHexHexHexCer(d18:1/24:1)	C68H124N2O23	[M+H] <sup>+</sup>	1337.8673	[M-H] <sup>-</sup>	1335.8517
SP354	HexNAcHexHexHexCer(d18:1/25:1)	C69H126N2O23	[M+H] <sup>+</sup>	1351.8830		
SP355	HexNAcHexHexHexCer(d18:1/26:1)	C70H128N2O23	[M+H] <sup>+</sup>	1365.8986		
SP356	HexNAcHexHexHexCer(d18:1/18:2)	C62H110N2O23	[M+H] <sup>+</sup>	1251.7578		
SP357	HexNAcHexHexHexCer(d18:1/22:2)	C66H118N2O23	[M+H] <sup>+</sup>	1307.8204		
SP358	HexNAcHexHexHexCer(d18:1/24:2)	C68H122N2O23	[M+H] <sup>+</sup>	1335.8517	[M-H] <sup>-</sup>	1333.8360
SP359	HexNAcHexHexHexCer(t18:0/16:0)	C60H112N2O24	[M+H] <sup>+</sup>	1245.7684	[M-H] <sup>-</sup>	1243.7527
SP360	HexNAcHexHexHexCer(t18:0/17:0)	C61H114N2O24	[M+H] <sup>+</sup>	1259.7840	[M-H] <sup>-</sup>	1257.7684

SP361	HexNAcHexHexHexCer(t18:0/18:0)	C62H116N2O24	[M+H] <sup>+</sup>	1273.7997	[M-H] <sup>-</sup>	1271.7840
SP362	HexNAcHexHexHexCer(t18:0/20:0)	C64H120N2O24	[M+H] <sup>+</sup>	1301.8310	[M-H] <sup>-</sup>	1299.8153
SP363	HexNAcHexHexHexCer(t18:0/22:0)	C66H124N2O24	[M+H] <sup>+</sup>	1329.8623	[M-H] <sup>-</sup>	1327.8466
SP364	HexNAcHexHexHexCer(t18:0/23:0)	C67H126N2O24	[M+H] <sup>+</sup>	1343.8779	[M-H] <sup>-</sup>	1341.8623
SP365	HexNAcHexHexHexCer(t18:0/24:0)	C68H128N2O24	[M+H] <sup>+</sup>	1357.8936	[M-H] <sup>-</sup>	1355.8779
SP366	HexNAcHexHexHexCer(t18:0/26:0)	C70H132N2O24	[M+H] <sup>+</sup>	1385.9249		
SP367	HexNAcHexHexHexCer(t18:0/16:0(2-OH))	C60H112N2O25	[M+H] <sup>+</sup>	1261.7633	[M-H] <sup>-</sup>	1259.7476
SP368	HexNAcHexHexHexCer(t18:0/18:0(2-OH))	C62H116N2O25	[M+H] <sup>+</sup>	1289.7946	[M-H] <sup>-</sup>	1287.7789
SP369	HexNAcHexHexHexCer(t18:0/20:0(2-OH))	C64H120N2O25	[M+H] <sup>+</sup>	1317.8259		
SP370	HexNAcHexHexHexCer(t18:0/22:0(2-OH))	C66H124N2O25	[M+H] <sup>+</sup>	1345.8572		
SP371	HexNAcHexHexHexCer(t18:0/23:0(2-OH))	C67H126N2O25	[M+H] <sup>+</sup>	1359.8728		
SP372	HexNAcHexHexHexCer(t18:0/24:0(2-OH))	C68H128N2O25	[M+H] <sup>+</sup>	1373.8885	[M-H] <sup>-</sup>	1371.8728
SP373	HexNAcHexHexHexCer(t18:0/25:0(2-OH))	C69H130N2O25	[M+H] <sup>+</sup>	1387.9041		
SP374	HexNAcHexHexHexCer(t18:0/26:0(2-OH))	C70H132N2O25	[M+H] <sup>+</sup>	1401.9198		
SP375	HexNAcHexHexHexCer(d18:0/16:0(2-OH))	C60H112N2O24	[M+H] <sup>+</sup>	1245.7684	[M-H] <sup>-</sup>	1243.7527
SP376	HexNAcHexHexHexCer(d18:0/23:0(2-OH))	C67H126N2O24	[M+H] <sup>+</sup>	1343.8779		
SP377	HexNAcHexHexHexCer(d18:0/24:0(2-OH))	C68H128N2O24	[M+H] <sup>+</sup>	1357.8936	[M-H] <sup>-</sup>	1355.8779
SP378	HexNAcHexHexHexCer(t18:0/22:1)	C66H122N2O24	[M+H] <sup>+</sup>	1327.8466		
SP379	HexNAcHexHexHexCer(t18:0/24:1)	C68H126N2O24	[M+H] <sup>+</sup>	1355.8779	[M-H] <sup>-</sup>	1353.8623
SP380	HexNAcHexHexHexCer(t18:0/26:1)	C70H130N2O24	[M+H] <sup>+</sup>	1383.9092		
SP381	HexNAcHexHexHexCer(t18:0/24:2)	C68H124N2O24	[M+H] <sup>+</sup>	1353.8623		
SP382	HexNAcHexHexHexCer(d18:1/16:0(2-OH))	C60H110N2O24	[M+H] <sup>+</sup>	1243.7527	[M-H] <sup>-</sup>	1241.7371
SP383	HexNAcHexHexHexCer(d18:1/18:0(2-OH))	C62H114N2O24	[M+H] <sup>+</sup>	1271.7840	[M-H] <sup>-</sup>	1269.7684
SP384	HexNAcHexHexHexCer(d18:1/20:0(2-OH))	C64H118N2O24	[M+H] <sup>+</sup>	1299.8153	[M-H] <sup>-</sup>	1297.7997
SP385	HexNAcHexHexHexCer(d18:1/22:0(2-OH))	C66H122N2O24	[M+H] <sup>+</sup>	1327.8466	[M-H] <sup>-</sup>	1325.8310
SP386	HexNAcHexHexHexCer(d18:1/23:0(2-OH))	C67H124N2O24	[M+H] <sup>+</sup>	1341.8623	[M-H] <sup>-</sup>	1339.8466
SP387	HexNAcHexHexHexCer(d18:1/24:0(2-OH))	C68H126N2O24	[M+H] <sup>+</sup>	1355.8779	[M-H] <sup>-</sup>	1353.8623
SP388	HexNAcHexHexHexCer(d18:1/25:0(2-OH))	C69H128N2O24	[M+H] <sup>+</sup>	1369.8936		
SP389	HexNAcHexHexHexCer(d18:1/26:0(2-OH))	C70H130N2O24	[M+H] <sup>+</sup>	1383.9092	[M-H] <sup>-</sup>	1381.8936
SP390	HexNAcHexHexHexCer(d18:1/24:1(2-OH))	C68H124N2O24	[M+H] <sup>+</sup>	1353.8623	[M-H] <sup>-</sup>	1351.8466
SP391	HexNAcHexHexHexCer(d18:1/25:1(2-OH))	C69H126N2O24	[M+H] <sup>+</sup>	1367.8779		
SP392	HexNAcHexHexHexCer(d18:1/26:1(2-OH))	C70H128N2O24	[M+H] <sup>+</sup>	1381.8936		
SP393	HexNAcHexHexHexCer(d18:0/24:1(2-OH))	C68H126N2O24	[M+H] <sup>+</sup>	1355.8779		
SP394	HexNAcHexHexHexCer(d18:0/26:1(2-OH))	C70H130N2O24	[M+H] <sup>+</sup>	1383.9092		
SP395	HexNAcHexHexHexCer(d18:0/24:2(2-OH))	C68H124N2O24	[M+H] <sup>+</sup>	1355.8779		
SP396	NeuAcHexHexCer(d18:0/16:0)	C57H106N2O21	[M+H] <sup>+</sup>	1155.7366	[M-H] <sup>-</sup>	1153.7210
SP397	NeuAcHexHexCer(d18:0/18:0)	C59H110N2O21	[M+H] <sup>+</sup>	1183.7679		
SP398	NeuAcHexHexCer(d18:0/22:0)	C63H118N2O21	[M+H] <sup>+</sup>	1239.8305		
SP399	NeuAcHexHexCer(d18:1/16:0)	C57H104N2O21	[M+H] <sup>+</sup>	1153.7210	[M-H] <sup>-</sup>	1151.7054
SP400	NeuAcHexHexCer(d18:1/18:0)	C59H108N2O21	[M+H] <sup>+</sup>	1181.7523	[M-H] <sup>-</sup>	1179.7367
SP401	NeuAcHexHexCer(d18:1/20:0)	C61H112N2O21	[M+H] <sup>+</sup>	1209.7836	[M-H] <sup>-</sup>	1207.7680
SP402	NeuAcHexHexCer(d18:1/22:0)	C63H116N2O21	[M+H] <sup>+</sup>	1237.8149	[M-H] <sup>-</sup>	1235.7993
SP403	NeuAcHexHexCer(d18:1/23:0)	C64H118N2O21	[M+H] <sup>+</sup>	1251.8305	[M-H] <sup>-</sup>	1249.8149
SP404	NeuAcHexHexCer(d18:1/24:0)	C65H120N2O21	[M+H] <sup>+</sup>	1265.8462	[M-H] <sup>-</sup>	1263.8306
SP405	NeuAcHexHexCer(d18:1/22:1)	C63H114N2O21	[M+H] <sup>+</sup>	1235.7992		
SP406	NeuAcHexHexCer(d18:1/24:1)	C65H118N2O21	[M+H] <sup>+</sup>	1263.8305	[M-H] <sup>-</sup>	1261.8149
SP407	NeuAcHexHexCer(d18:1/24:2)	C65H116N2O21	[M+H] <sup>+</sup>	1261.8149		
SP407	NeuAcHexHexCer(d18:0/16:0(2-OH))	C57H106N2O22	[M+H] <sup>+</sup>	1171.7315	[M-H] <sup>-</sup>	1169.7159
SP408	NeuAcHexHexCer(d18:0/18:0(2-OH))	C59H110N2O22	[M+H] <sup>+</sup>	1199.7628		
SP409	NeuAcHexHexCer(d18:0/20:0(2-OH))	C61H114N2O22	[M+H] <sup>+</sup>	1227.7941		
SP410	NeuAcHexHexCer(d18:0/22:0(2-OH))	C63H118N2O22	[M+H] <sup>+</sup>	1255.8254		
SP411	NeuAcHexHexCer(d18:0/24:0(2-OH))	C65H122N2O22	[M+H] <sup>+</sup>	1283.8567		
SP412	NeuAcHexHexCer(t18:0/16:0)	C57H106N2O22	[M+H] <sup>+</sup>	1171.7315	[M-H] <sup>-</sup>	1169.7159
SP413	NeuAcHexHexCer(t18:0/18:0)	C59H110N2O22	[M+H] <sup>+</sup>	1199.7628	[M-H] <sup>-</sup>	1197.7472
SP414	NeuAcHexHexCer(t18:0/20:0)	C61H114N2O22	[M+H] <sup>+</sup>	1227.7941	[M-H] <sup>-</sup>	1225.7785
SP415	NeuAcHexHexCer(t18:0/22:0)	C63H118N2O22	[M+H] <sup>+</sup>	1255.8254	[M-H] <sup>-</sup>	1253.8098
SP416	NeuAcHexHexCer(t18:0/24:0)	C65H122N2O22	[M+H] <sup>+</sup>	1283.8567		
SP417	NeuAcHexHexCer(d18:1/16:0(2-OH))	C57H104N2O22	[M+H] <sup>+</sup>	1169.7159	[M-H] <sup>-</sup>	1167.7003
SP418	NeuAcHexHexCer(d18:1/18:0(2-OH))	C59H108N2O22	[M+H] <sup>+</sup>	1197.7472	[M-H] <sup>-</sup>	1195.7316
SP419	NeuAcHexHexCer(d18:1/20:0(2-OH))	C61H112N2O22	[M+H] <sup>+</sup>	1225.7785	[M-H] <sup>-</sup>	1223.7629
SP420	NeuAcHexHexCer(d18:1/21:0(2-OH))	C62H114N2O22	[M+H] <sup>+</sup>	1239.7941		
SP421	NeuAcHexHexCer(d18:1/22:0(2-OH))	C63H116N2O22	[M+H] <sup>+</sup>	1253.8098	[M-H] <sup>-</sup>	1251.7942
SP422	NeuAcHexHexCer(d18:1/23:0(2-OH))	C64H118N2O22	[M+H] <sup>+</sup>	1267.8254	[M-H] <sup>-</sup>	1265.8098
SP423	NeuAcHexHexCer(d18:1/24:0(2-OH))	C65H120N2O22	[M+H] <sup>+</sup>	1281.8411	[M-H] <sup>-</sup>	1279.8255

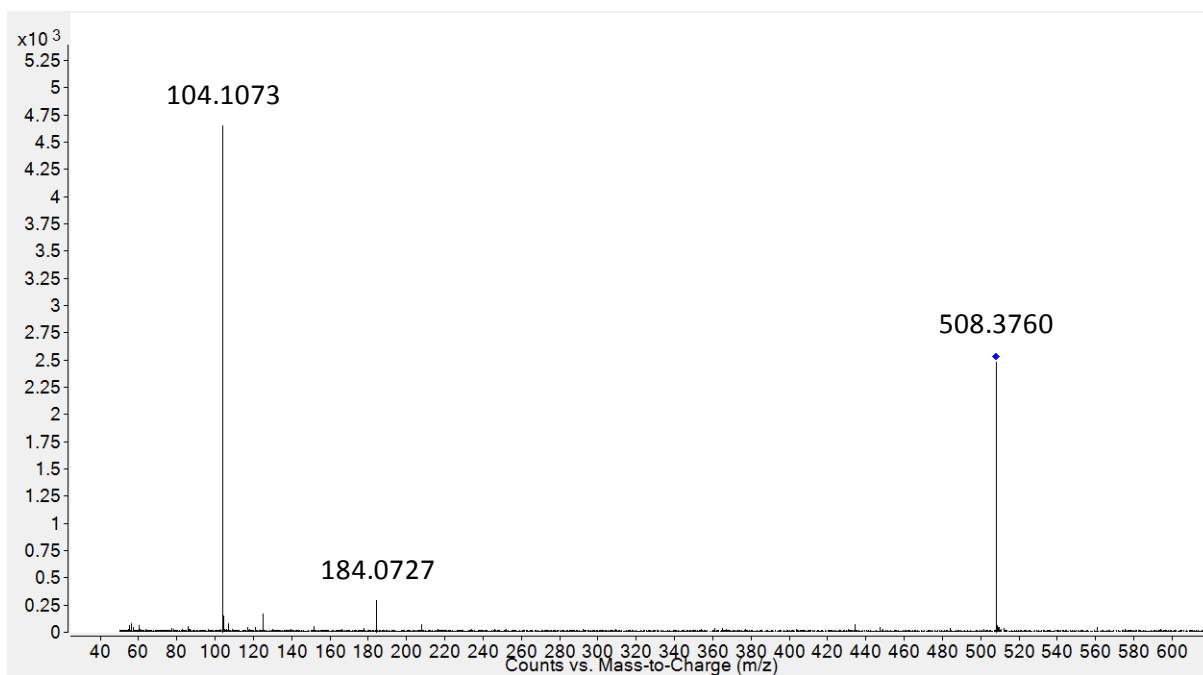
SP424	NeuAcHexHexCer(d18:1/26:0(2-OH))	C67H124N2O22	[M+H] <sup>+</sup>	1309.8724	[M-H] <sup>-</sup>	1307.8568
SP425	NeuAcHexHexCer(d18:0/20:1(2-OH))	C61H112N2O22	[M+H] <sup>+</sup>	1225.7785		
SP426	NeuAcHexHexCer(d18:0/22:1(2-OH))	C63H116N2O22	[M+H] <sup>+</sup>	1253.8098		
SP427	NeuAcHexHexCer(d18:0/24:1(2-OH))	C65H120N2O22	[M+H] <sup>+</sup>	1281.8411		
SP428	NeuAcHexHexCer(t18:0/18:1)	C59H108N2O22	[M+H] <sup>+</sup>	1197.7472		
SP429	NeuAcHexHexCer(t18:0/20:1)	C61H112N2O22	[M+H] <sup>+</sup>	1225.7785		
SP430	NeuAcHexHexCer(t18:0/22:1)	C63H116N2O22	[M+H] <sup>+</sup>	1253.8098		
SP431	NeuAcHexHexCer(t18:0/24:1)	C65H120N2O22	[M+H] <sup>+</sup>	1281.8411	[M-H] <sup>-</sup>	1279.8255
SP432	NeuAcHexHexCer(d18:1/18:1(2-OH))	C59H106N2O22	[M+H] <sup>+</sup>	1195.7316	[M-H] <sup>-</sup>	1193.7159
SP433	NeuAcHexHexCer(d18:1/20:1(2-OH))	C61H110N2O22	[M+H] <sup>+</sup>	1223.7629		
SP434	NeuAcHexHexCer(d18:1/22:1(2-OH))	C63H114N2O22	[M+H] <sup>+</sup>	1251.7942		
SP435	NeuAcHexHexCer(d18:1/24:1(2-OH))	C65H118N2O22	[M+H] <sup>+</sup>	1279.8255	[M-H] <sup>-</sup>	1277.8098
SP436	NeuAcHexHexCer(d18:1/26:1(2-OH))	C67H122N2O22	[M+H] <sup>+</sup>	1307.8568	[M-H] <sup>-</sup>	1305.8411
SP437	NeuAcHexHexCer(t18:0/20:2)	C61H110N2O22	[M+H] <sup>+</sup>	1223.7629		
SP438	NeuAcHexHexCer(t18:0/24:2)	C65H118N2O22	[M+H] <sup>+</sup>	1279.8255		
SP439	NeuAcHexHexCer(t18:0/16:0(2-OH))	C57H106N2O23	[M+H] <sup>+</sup>	1187.7264	[M-H] <sup>-</sup>	1185.7108
SP440	NeuAcHexHexCer(t18:0/18:0(2-OH))	C59H110N2O23	[M+H] <sup>+</sup>	1215.7577	[M-H] <sup>-</sup>	1213.7421
SP441	NeuAcHexHexCer(t18:0/20:0(2-OH))	C61H114N2O23	[M+H] <sup>+</sup>	1243.7890		
SP442	NeuAcHexHexCer(t18:0/22:0(2-OH))	C63H118N2O23	[M+H] <sup>+</sup>	1271.8203		
SP443	NeuAcHexHexCer(t18:0/24:0(2-OH))	C65H122N2O23	[M+H] <sup>+</sup>	1299.8516	[M-H] <sup>-</sup>	1297.8360



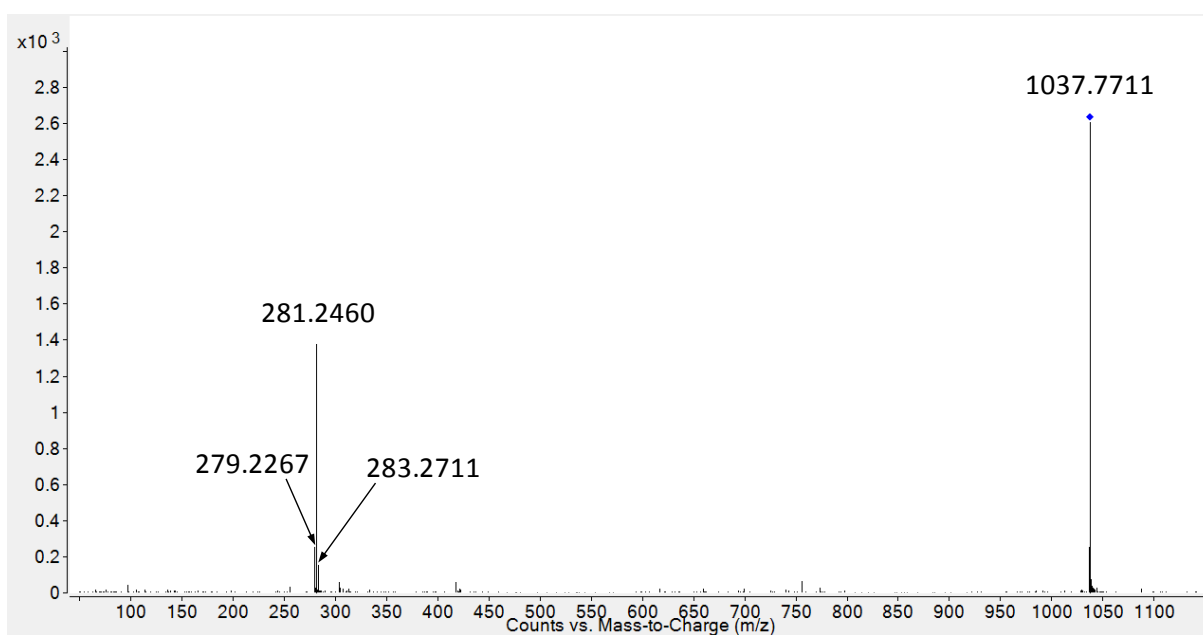
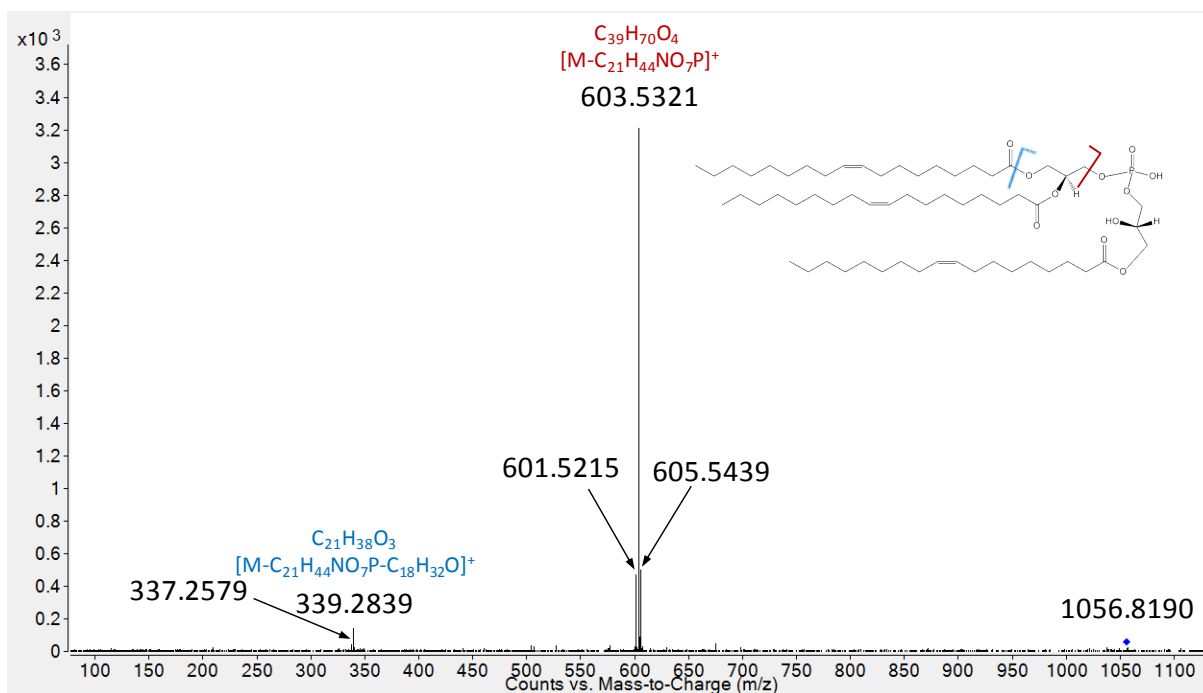
**Figure S-1:** Fragmentation spectra of regio-isomers of lysophosphatidylcholines in positive ESI, CE 20. PC(18:2/0:0) or the *sn*-1 regio-isomer has a higher relative intensity of  $m/z$  104.10702, corresponding to choline  $[C_5H_{13}NO]^+$  (-0.29 ppm). This difference between lysophospholipid regio-isomers is in accordance with Han and Gross.<sup>8</sup>



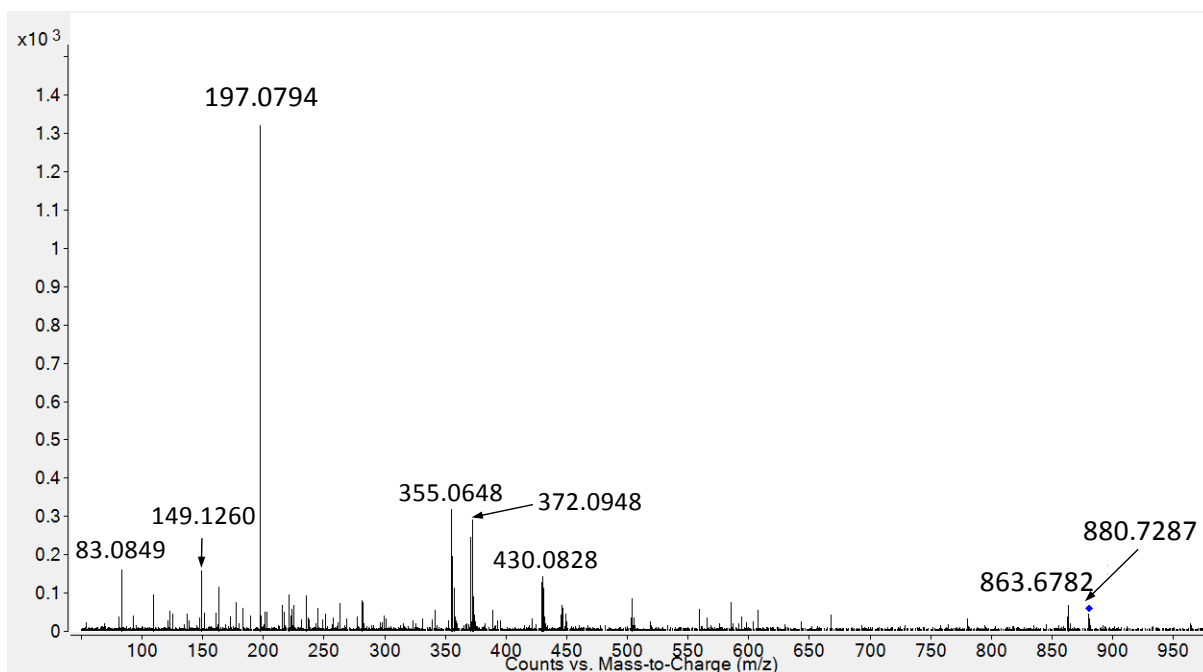
**Figure S-2:** Fragmentation spectrum of PC(p18:1/0:0) in positive ESI, CE 20. This fragmentation spectrum is in accordance with Tang *et al.*<sup>9</sup>



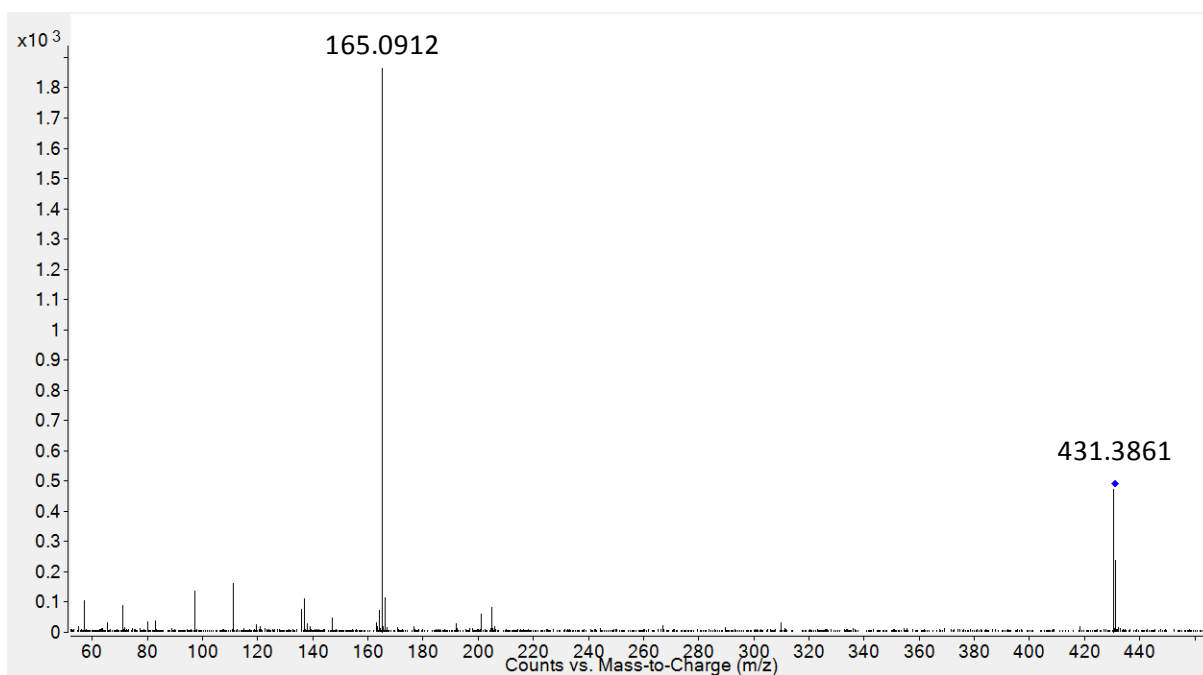
**Figure S-3:** Fragmentation spectrum of PC(a18:1/0:0) in positive ESI, CE 20. This fragmentation spectrum is in accordance with Tang *et al.*<sup>9</sup>



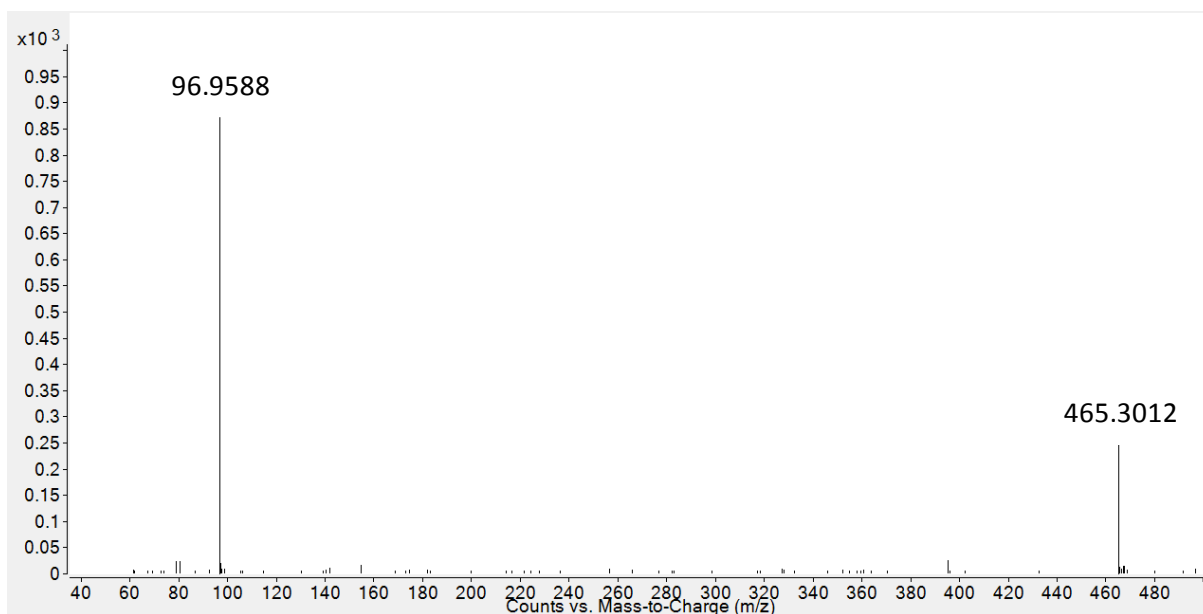
**Figure S-4:** (a) Fragmentation spectrum of SLBPA(54:3), detected as  $[M+NH_4]^+$ , in positive ESI, CE 20. Fragment ions are labelled with the molecular formula calculated using accurate mass. (b) Fragmentation spectrum of SLBPA(54:3), detected as  $[M-H]^-$ , in negative ESI, CE 20. Fatty acid fragments ( $[M-H]^-$ ) are present from  $C_{18:0}$  ( $m/z$  283.2711),  $C_{18:1}$  ( $m/z$  281.2460) and  $C_{18:2}$  ( $m/z$  279.2267).



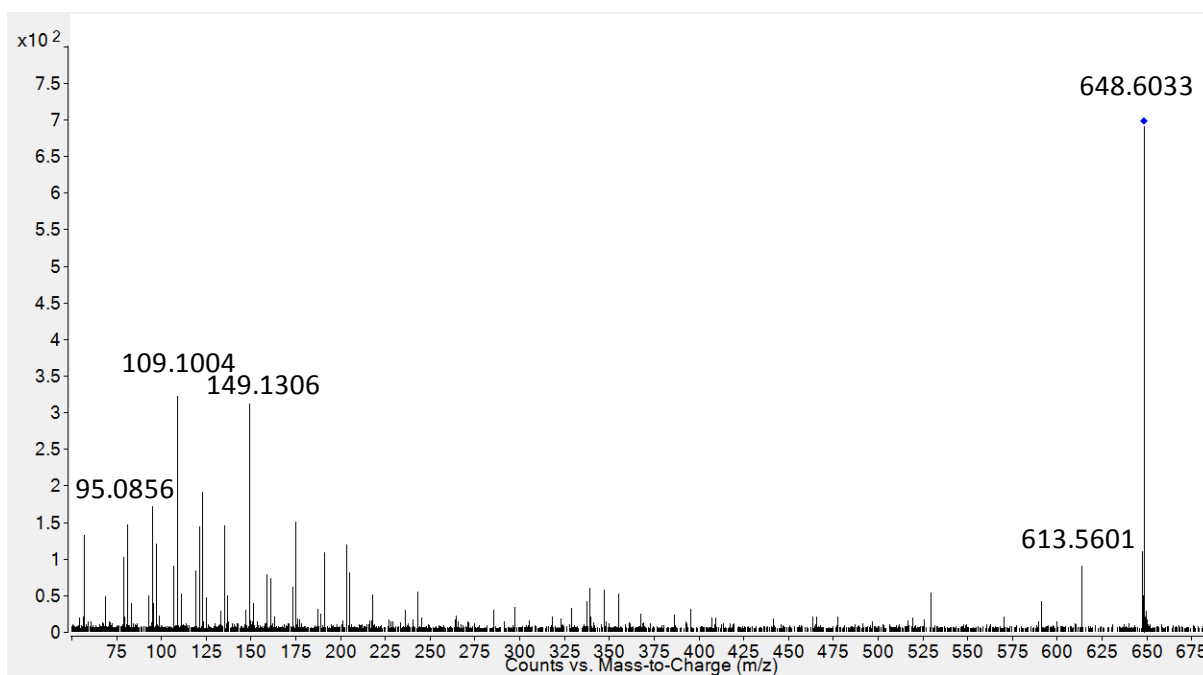
**Figure S-5:** Fragmentation spectrum of coenzyme Q10, detected as  $[M+NH_4]^+$ , in positive ESI, CE 20. The most intense fragment ion,  $m/z$  197.0794, originates from the elimination of the isoprene chain and is used as quantifier ion in targeted analysis of coenzyme Q10.<sup>10,11</sup>



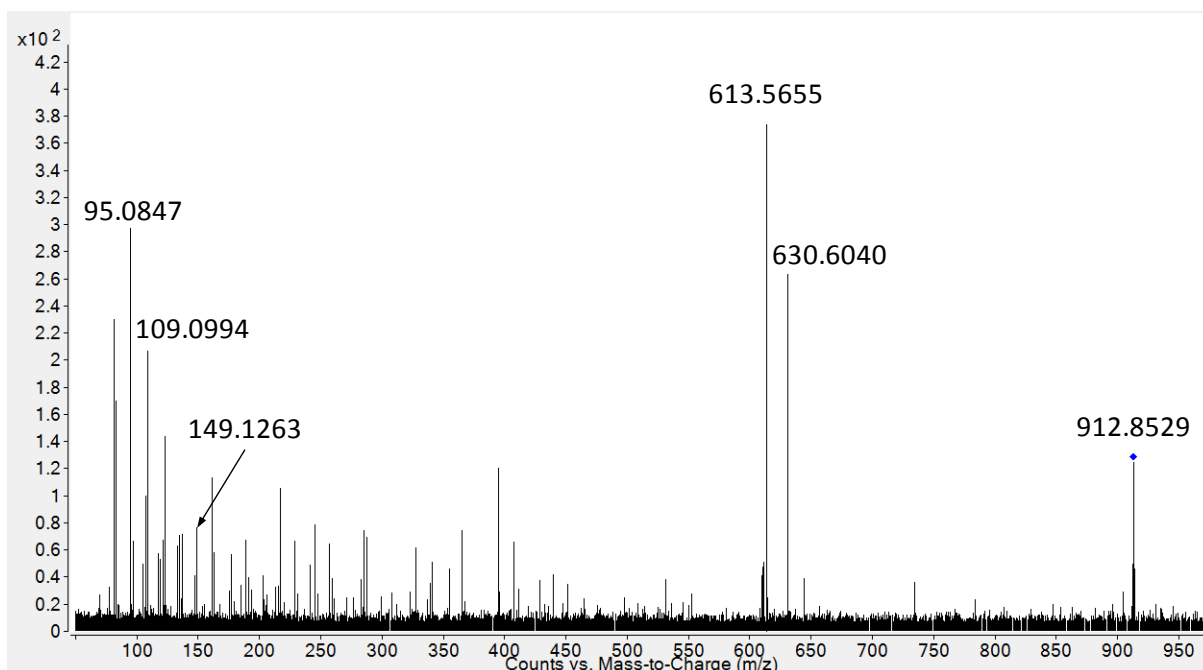
**Figure S-6:** Fragmentation spectrum of alpha-tocopherol in positive ESI analysis (CE 20). The major fragment ion,  $m/z$  165.0912 or  $[C_{10}H_{13}O_2]^+$  (-1.17 ppm), is typical for alpha-vitamins and is the result of the loss of the side chain.<sup>12</sup>



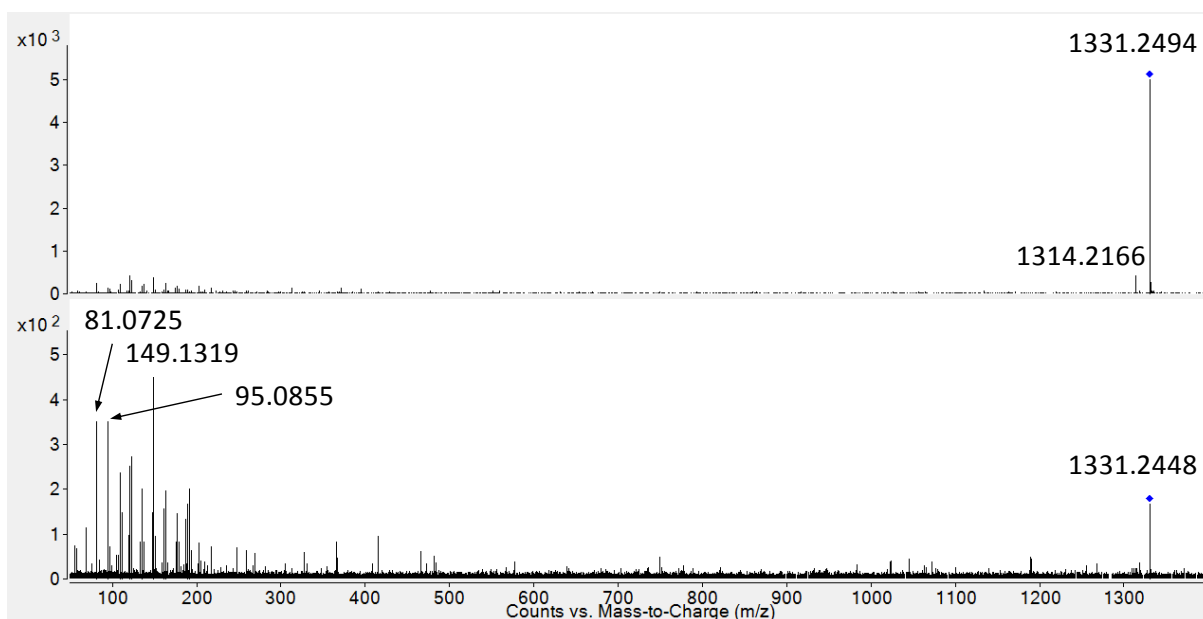
**Figure S-7:** Fragmentation spectrum of cholesterol sulphate in negative ESI analysis (CE 35). The sulphate ion  $[\text{H}_2\text{SO}_4]^-$  represents the major fragment ion.



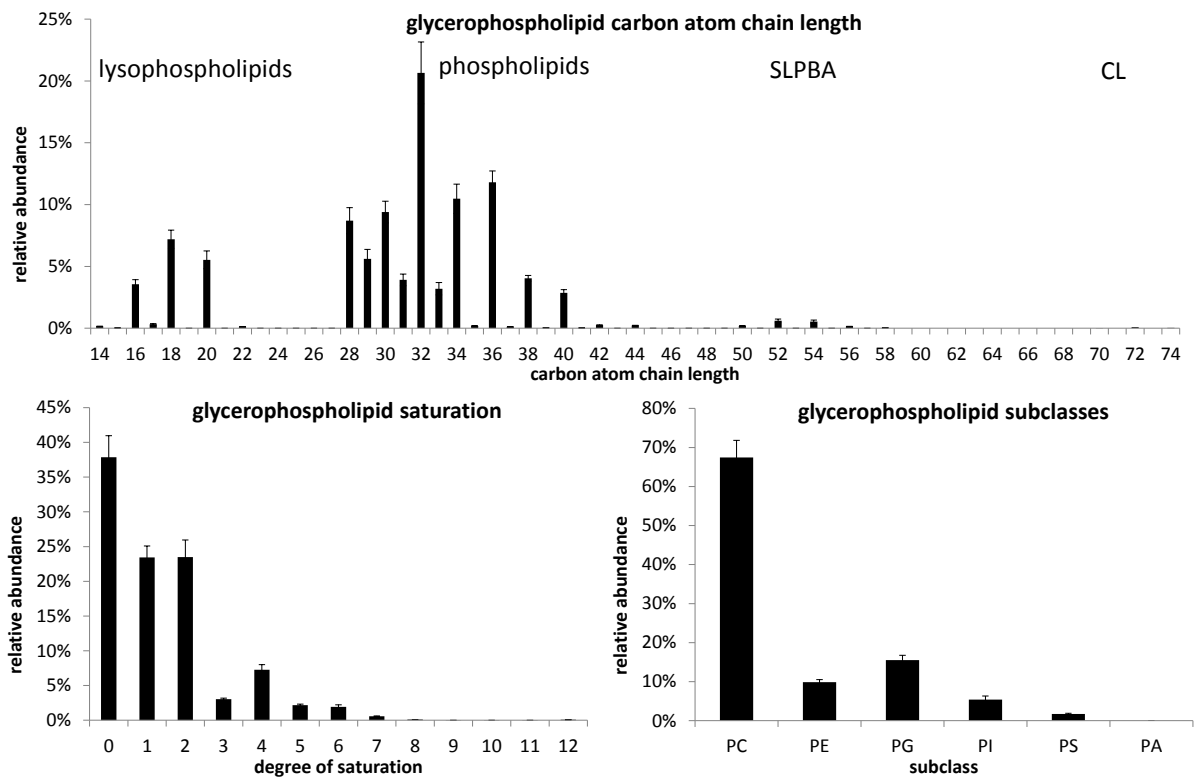
**Figure S-8:** Fragmentation spectrum of solanesol, detected as  $[\text{M}+\text{NH}_4]^+$ , in positive ESI, CE 20. The fragment ion  $m/z$  613.5601, which originates from the loss of water and ammonia<sup>13</sup>, is followed by the typical fragment ion cascade from polyprenol species.



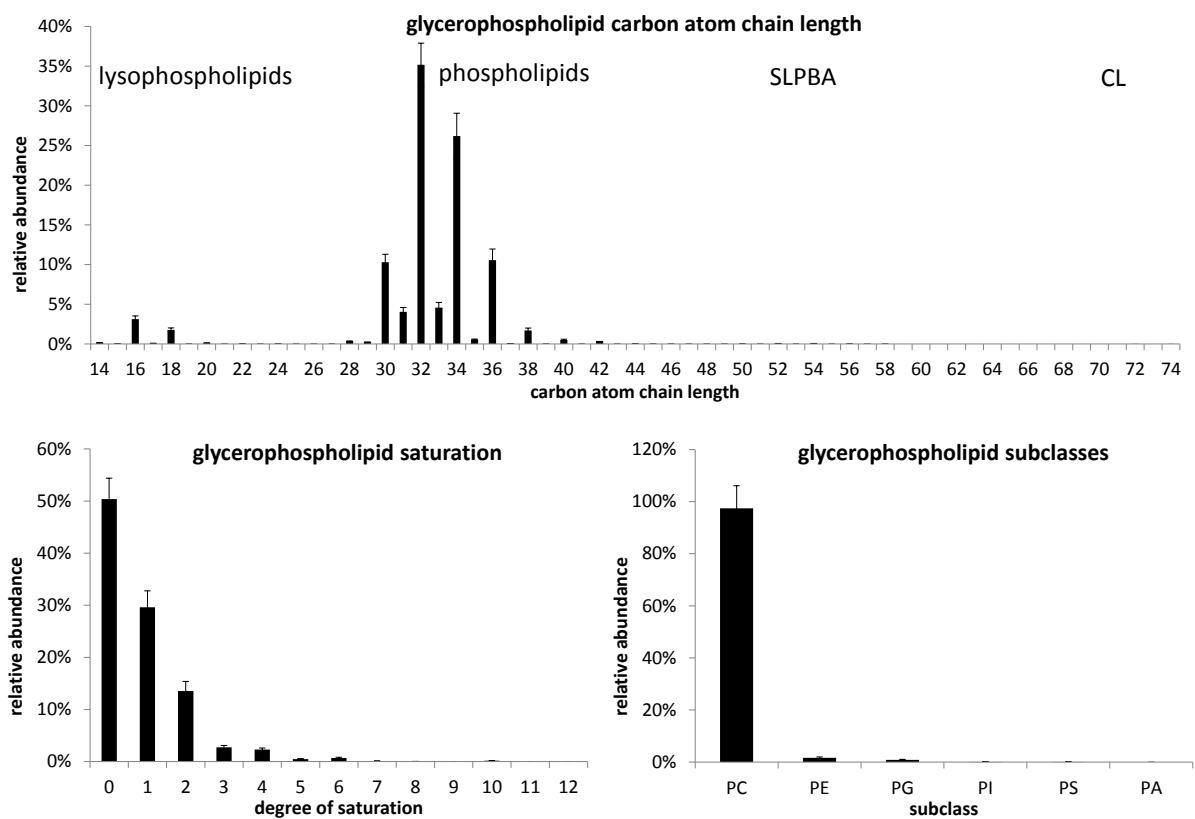
**Figure S-9:** Typical fragmentation spectrum of a solanesol-ester, solanesyl(18:1), detected as  $[M+NH_4]^+$  in positive ESI, CE 20. The spectrum is characterized by the neutral loss of the fatty acid side chain ( $m/z$  630.6040; loss of mass 282.2489) and the loss of the fatty acid side chain plus ammonia ( $m/z$  613.5655), similar to fragmentation spectra of cholesterol esters. At the lower ion mass range, the fragment ion cascade is present as in the fragmentation spectrum of solanesol.



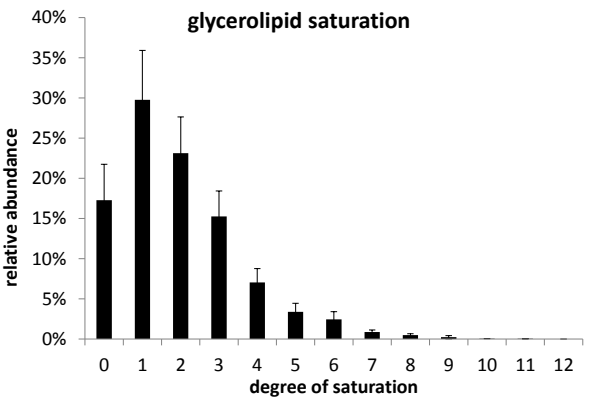
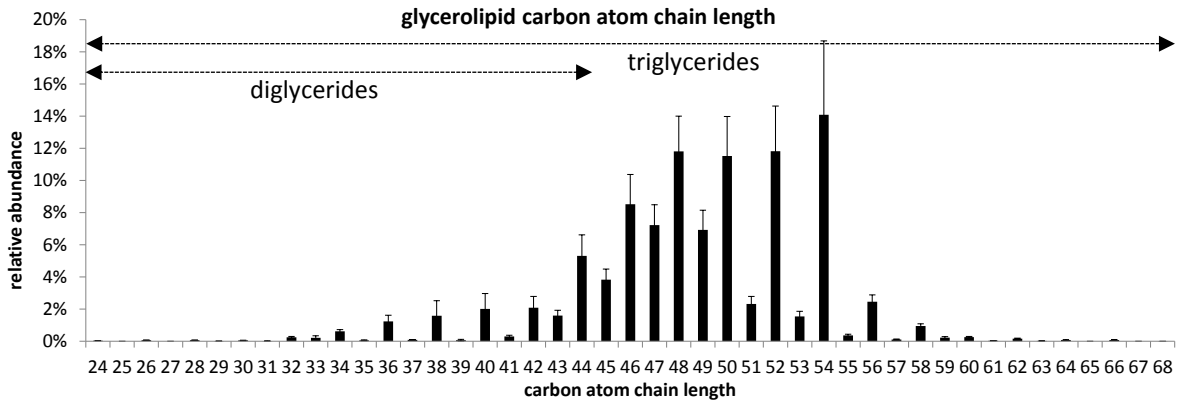
**Figure S-10:** Fragmentation spectrum of dolichol-19 detected as  $[M+NH_4]^+$  in positive ESI (CE 20 and CE 35). The spectrum is characterized by the loss of ammonia ( $m/z$  1314.2166). At the lower ion mass range, a fragment ion cascade is present representative for polyisoprenoid alcohols.



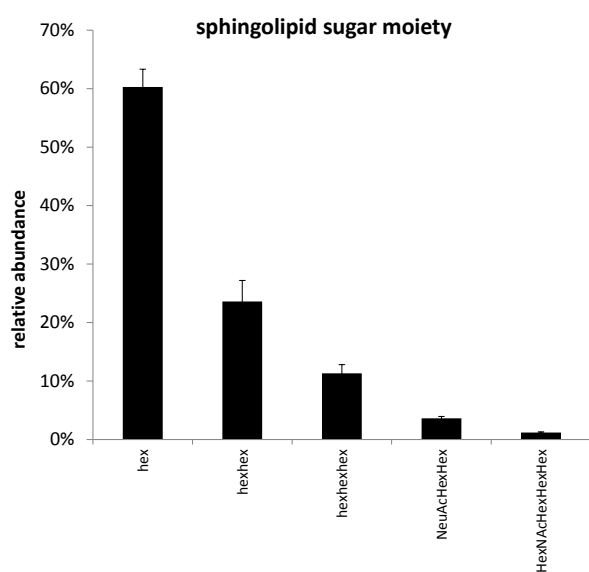
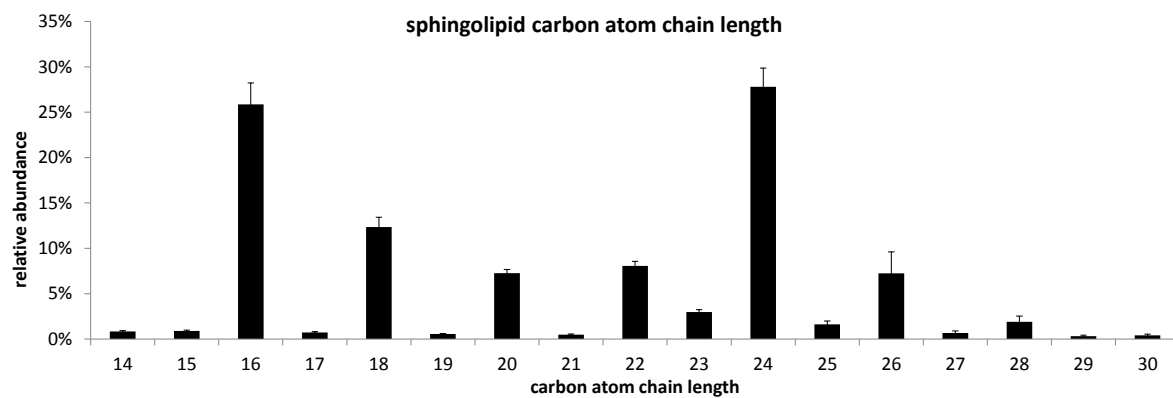
**Figure S-11:** Glycerophospholipid distribution plots representing the carbon atom chain length distribution, the distribution of the saturation degree and the glycerophospholipids subclass distribution from a healthy never-smoker in negative ESI analysis.



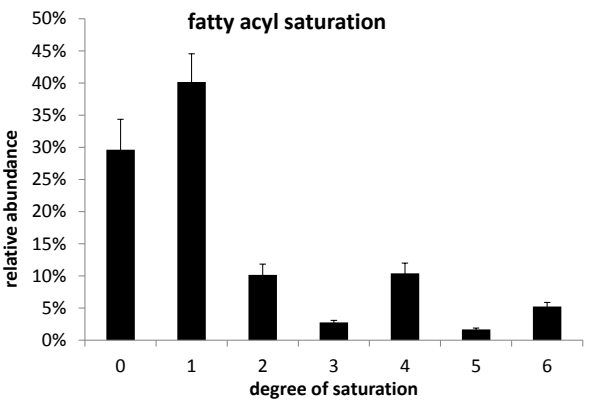
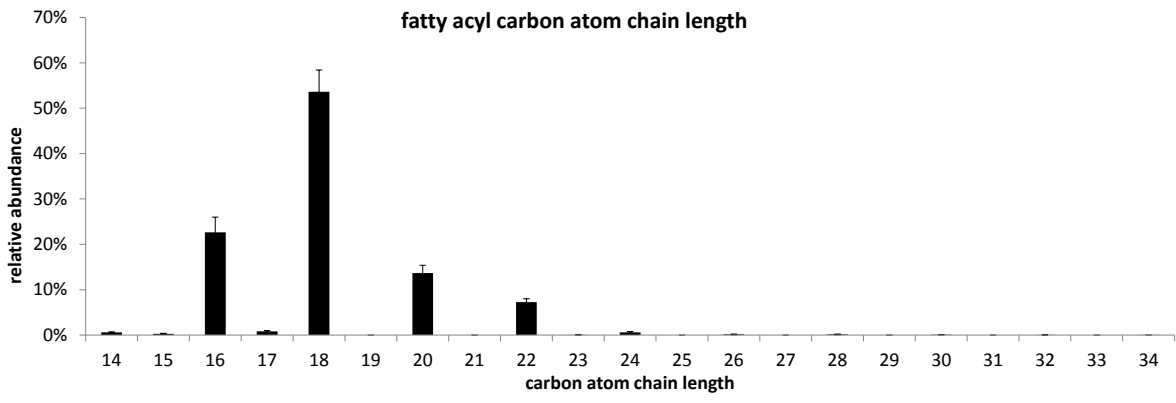
**Figure S-12:** Glycerophospholipid distribution plots representing the carbon atom chain length distribution, the distribution of the saturation degree and the glycerophospholipids subclass distribution from a healthy never-smoker in positive ESI analysis.



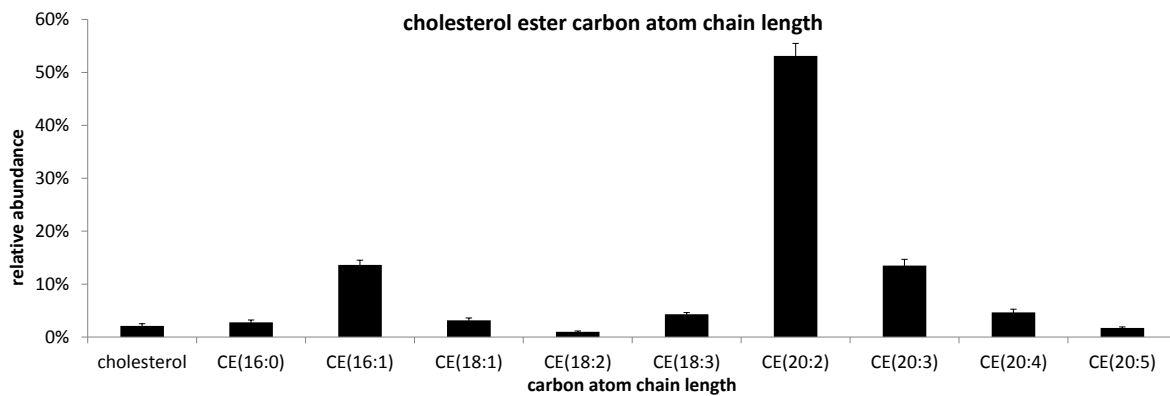
**Figure S-13:** Glycerolipid distribution plots representing the carbon atom chain length distribution and the distribution of the saturation degree from a healthy never-smoker from positive ESI analysis.



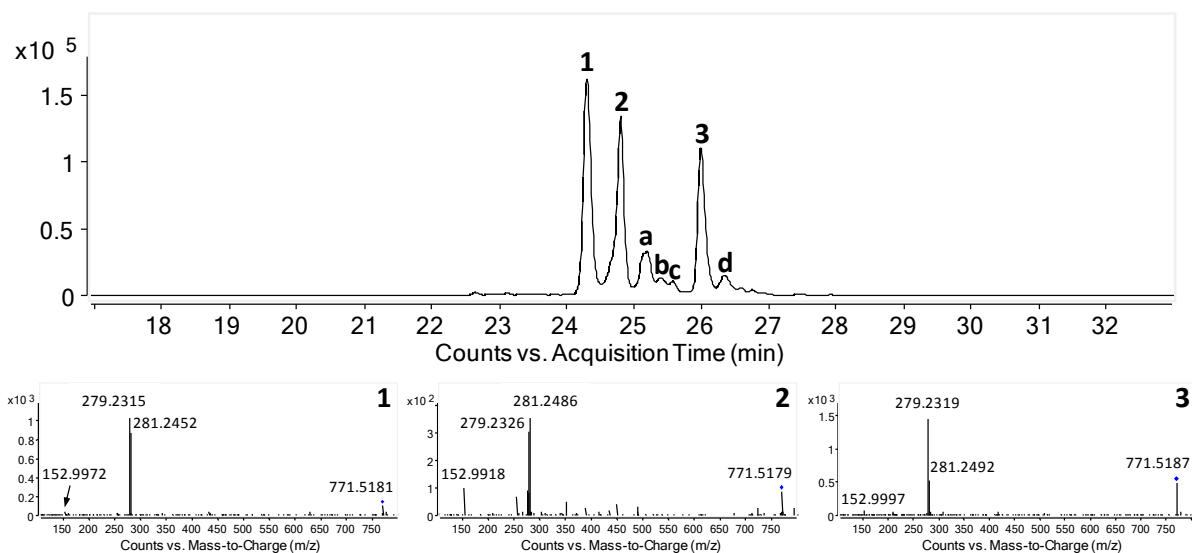
**Figure S-14:** Sphingolipid distribution plots representing the carbon atom chain length distribution and the distribution of the sugar moiety from a healthy never-smoker from negative ESI analysis.



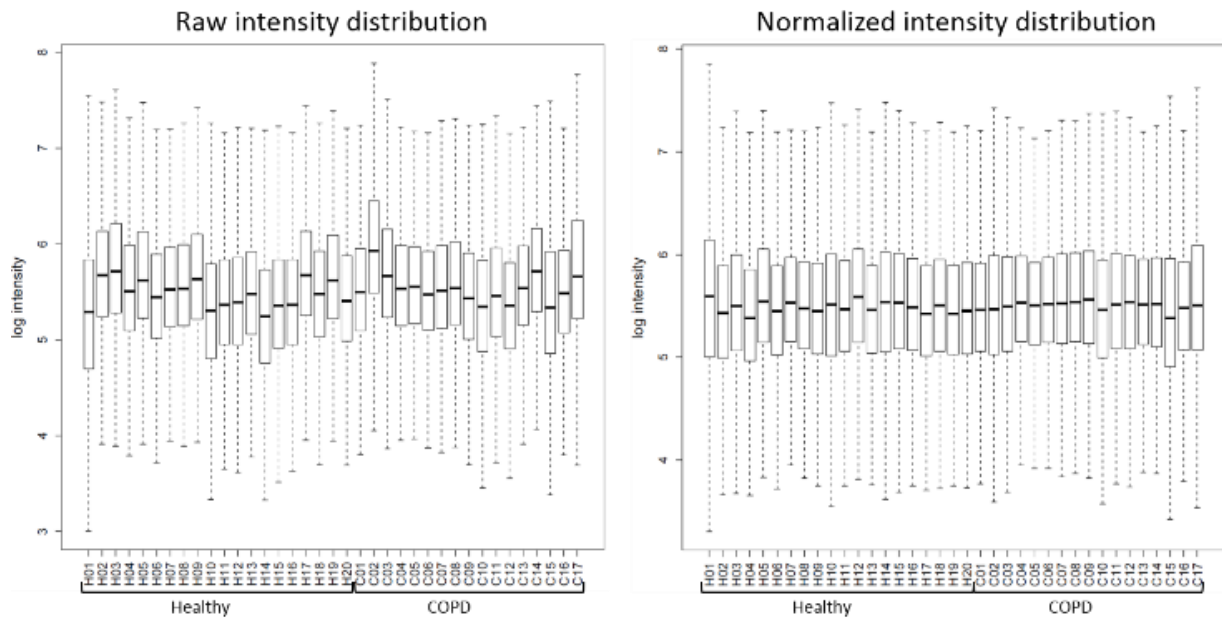
**Figure S-15:** Fatty acyl distribution plots representing the carbon atom chain length distribution and the distribution of the saturation degree from a healthy never-smoker from negative ESI analysis.



**Figure S-16:** Carbon atom chain length abundance distribution of the lipid class of cholesterol esters from a healthy never-smoker from positive ESI analysis.



**Figure S-17:** Isomeric glycerophospholipids detected in lung sputum. The ion chromatogram of  $m/z$  771.5182, corresponding to PG(36:3) or  $C_{42}H_{77}O_{10}P$ , was extracted over the full retention time window. Six peaks could be attributed to PG(36:3), among which three were confirmed by MS/MS fragmentation (1-3): 1 – PG(18:1/18:2), 0.18 ppm; 2 – PG(18:2/18:1), -0.03 ppm; 3 – PG(18:1/18:2), -0.84 ppm. Three other isomers could only be confirmed by accurate mass (a,c,d): a –  $m/z$  771.5194, -1.00 ppm; c –  $m/z$  771.5177, 0.55 ppm; d –  $m/z$  771.5180, -0.02 ppm. Peak b was identified as an isotope from  $m/z$  769.5035.



**Figure S-18:** Box-and-whisker plots representing the distribution of signal intensities (log scale) of acquired lung sputum samples (20 smokers without COPD and 17 COPD patients) before and after normalization on total lipid abundance. Box-and-whisker plots represent the minimum and maximum, interquartile range and median lipid intensity for each lung sputum sample.

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