

**Figure S1a:** Optimised eicosanoid and fatty acid profiling by targeted MS. The MS<sup>2</sup> ion spectra of PGF<sub>2α</sub> (molar mass of 354.48) using electrospray ionization in positive mode (ESI+), identifying the sodium adduct ([M+Na]<sup>+</sup>), potassium adduct ([M+K]<sup>+</sup>), dimer ([2M+H]<sup>+</sup>), and the sodiated dimer ([2M+Na]<sup>+</sup>) adduct of PGF<sub>2α</sub>. The fragments at m/z 319.2 and m/z 265.1, caused by in-source fragmentation, have formulas and structures as shown.

**Figure S1b:** dMRM chromatogram of PGF<sub>2α</sub>. The sodium adduct (precursor ion) is exposed to a CE of 4 eV to obtain the product ion of m/z 360.3, 12 eV for product ion 342.2 m/z, 48 eV for product ion 57 m/z and a 64 eV for product ion 43.3 m/z. The product ion, 360.3 m/z is the most abundant species and is therefore used as the quant ion for determining concentration.

**Figure S1c:** dMRM ion spectra of PGF<sub>2α</sub>. The precursor ion is indicated by the red star at m/z 377.2 The product ions are shown.

**Figure S1d:** Chemical structures of lipids analysed and their proposed product structures. The mass-to-charge (m/z) ratios for the intact structures and product ion structures are shown next to the molecule

**Figure S1e:** Product ion chromatograms of eicosanoid and fatty acid standards. Standards are in an equimolar ratio and an on-column concentration of 300 fmol/L. The chromatogram is not scaled to the largest in the chromatogram, which would make each peak have the same height (normalise the counts to the largest peak in the chromatogram). For each lipid, the most intense peak is the quant ion, the other three peaks are the respective qual ions.

**Figure S2a:** Comparison of liquid-liquid extraction (LLE) methods for cellular lipids. Three LLE techniques were tested. In liquid-liquid Extraction Method 1 cells are lysed with 50% (v/v) MeOH in H<sub>2</sub>O (step 1), followed by lipid extraction with MTBE (steps 2 and 3) and finally 50% (v/v) MeOH in H<sub>2</sub>O (step 4). In liquid-liquid Extraction Method 2 cells are lysed with 100% MeOH (step 1), followed by lipid extraction with MTBE:CHCl<sub>3</sub> (1:1, v/v)(steps 2 and 3), and 50% (v/v) MeOH in H<sub>2</sub>O (step 4). In liquid-liquid Extraction Method 3 cell lysis and all lipid extraction steps are performed with 100% ACN. Three biological replicates were used for each technique.

**Figure S2b:** The graph represents the mean of three biological replicates. Light grey bars are the results from Extraction Method 1, dark grey bars are results from Extraction Method 2, and black bars are from Extraction Method 3. Results are normalised. Normalisation parameters: 100% is defined as the largest mean in each data set and the results are given as percentages. For area under the curve (AUC) for each result (not normalised results), see Table S1a.

**Table S1a:** LLE of lipids from cells using three different methods (extractions). BLM was added before extracting to yield a final concentration of 10 pmol/L on column. The mean, SD, standard error of the mean (SEM) and the CV of biological replicates (3 replicates) has been calculated for each lipid in the BLM.

**Table S1b:** LLE of cell supernatant from cells using three different methods (extractions). BLM was added before extracting to yield a final concentration of 10 pmol/L on column. The mean, SD, standard error of the mean (SEM) and the CV of biological replicates (3 replicates) has been calculated for each lipid in the BLM.

**Figure S3a:** Comparison of LLE techniques for secreted lipids in cell supernatant material. Three LLE techniques were tested. In liquid-liquid Extraction Method 1 lipids are first extracted with MeOH:H<sub>2</sub>O:MTBE (1:1:2, v:v:v), followed by extraction with MTBE (step 2) and 50% (v/v) MeOH in H<sub>2</sub>O (step 3). In liquid-liquid Extraction Method 2 lipids are first extracted with MeOH:MTBE:CHCl<sub>3</sub> (2:1:1, v:v:v), followed by extraction step with MTBE:CHCl<sub>3</sub> (step 2), and 50% (v/v) MeOH in H<sub>2</sub>O (step 3). In liquid-liquid Extraction Method 3 all lipid extract steps are performed with 100% ACN. Three biological replicates were used for each technique.

**Figure S3b:** The graph represents the mean of three biological replicates. Light grey bars are the results from Extraction Method 1, dark grey bars are results from Extraction Method 2, and black bars are from Extraction Method 3. Results are normalised. Normalisation parameters: 100% is defined as the largest mean in each data set and the results are given as percentages. For area under the curve (AUC) for each result (not normalised results), see Table S1b.

**Figure S4:** Matrix effect on lipid detection. The workflow followed for determining the matrix effect for each lipid. Three types of samples must be prepared: a pool of all samples (matrix, yellow tube), a standard mixture (the BLM, red tube) and the standard mixture spiked into the matrix (grey tube). First, the intrinsic contribution of the lipid response from the matrix itself (yellow tube) is removed from the standard mixture spiked into the matrix (grey tube) by subtracting the MRM AUC for each metabolite found in the matrix. This calculation gives the BLM response when present in the matrix (orange tube). A matrix RF value is subsequently obtained by dividing the MRM AUC value for the standard mixture (red tube) by the MRM AUC value for the standard mixture when present in the matrix (orange tube). Numeric values for measured matrix RFs are provided in Table S2.

**Table S2:** Calculating the matrix effect: the values used in this experiment.

**Table S3a:** This table shows the concentration in cell samples, for each biological and technical replicate. The concentration units are above each column.

**Table S3b:** Results of cell samples. The mean concentration, SD and the number of samples (N) is used to calculate the p-value. NT samples are compared to IFN $\alpha$  treated samples.

**Table S3c:** Results of cells. Biological replicates: Samples are in biological triplicate. Each biological replicate is run in technical triplicate. From this the mean, SD (std.dev) and the CV % has been calculated for biological replicates.

**Table S3d:** Results of cells. Technical replicates: Each biological replicate is run in technical triplicate. From this the mean, SD (std.dev) and the CV % has been calculated for technical replicates.

**Table S4a:** This table shows the concentration in cell supernatant samples, for each biological and technical replicate. The concentration units are above each column.

**Table S4b:** Results of cell supernatant samples. The mean concentration, SD and the number of samples (N) is used to calculate the p-value.

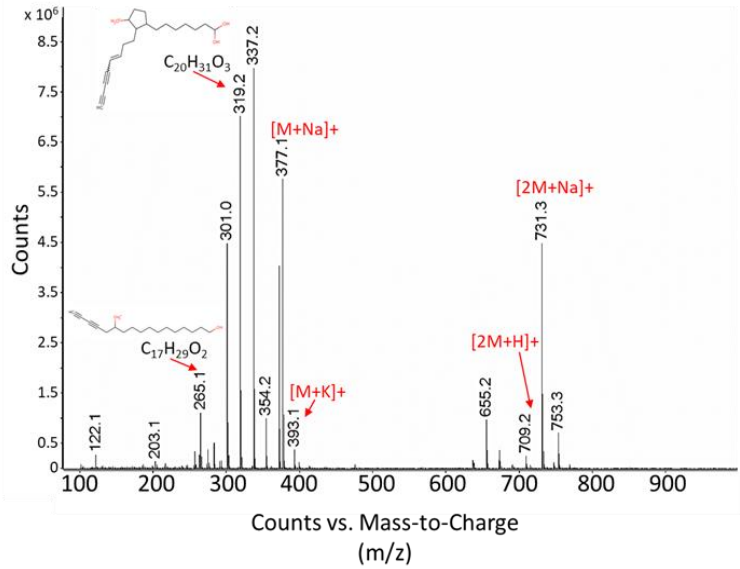
**Table S4c:** Results of cell supernatants. Biological replicates: Samples are in biological triplicate. Each biological replicate is run in technical triplicate. From this the mean, SD (std.dev) and the CV % has been calculated for biological replicates.

**Table S4d:** Results of cell supernatants. Technical replicates: Each biological replicate is run in technical triplicate. From this the mean, SD (std.dev) and the CV % has been calculated for technical replicates.

**Table S5:** Calibration curves (response curves) are generated using the response of the product ion. On the X axis is the concentration, on the Y axis is the response (AUC). The equation of the linear regression is  $y=Mx+C$ , and the accuracy of the trendline is shown by the  $R^2$ .

**Figure S5:** Response (calibration) curve for PGF<sub>2 $\alpha$</sub> . An increasing concentration of standard (from 100 zmol/L to 50 fmol/L) is injected and the response (AUC), for the quantitation ion increases. The response is plotted against the concentration (in fmol/L).

Figure S1a



Complete molecular structure of PGF<sub>2</sub>α

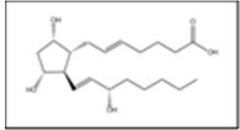


Figure S1b

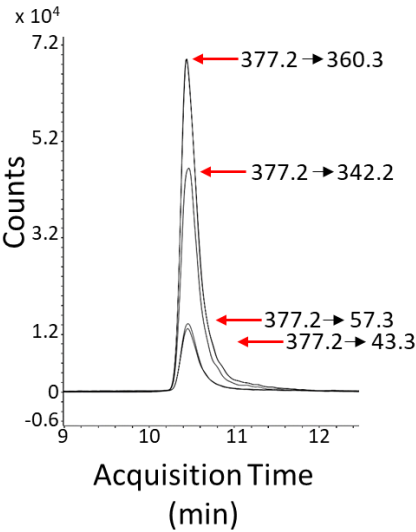


Figure S1c

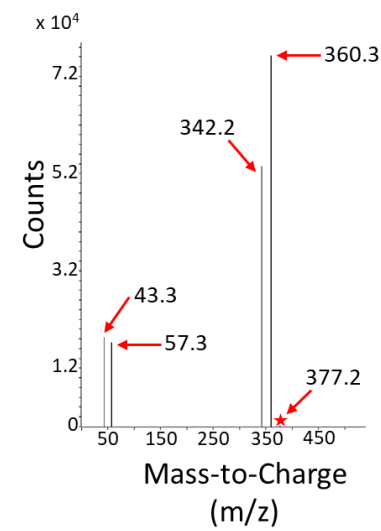


Figure S1d

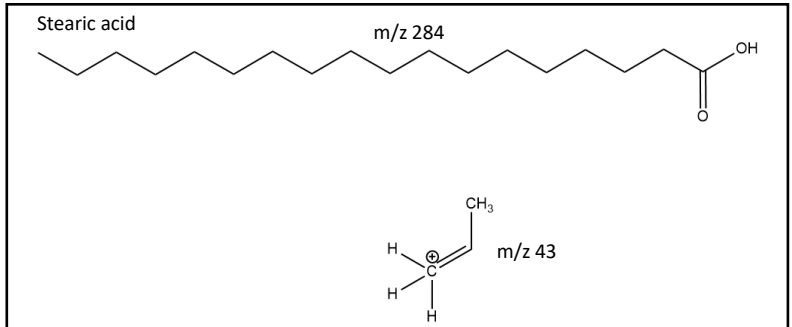
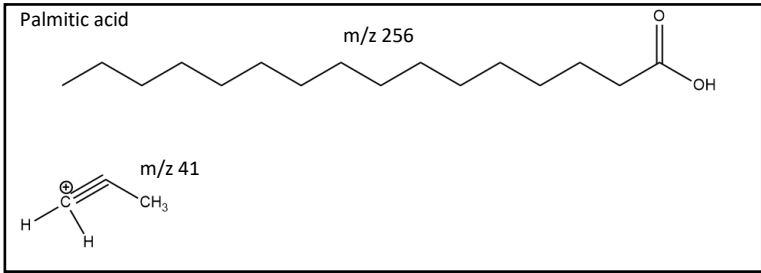
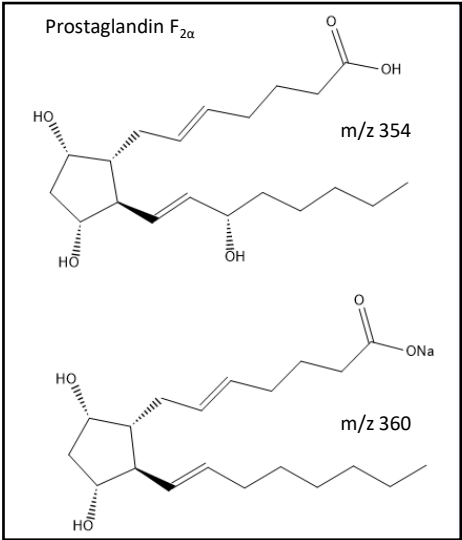
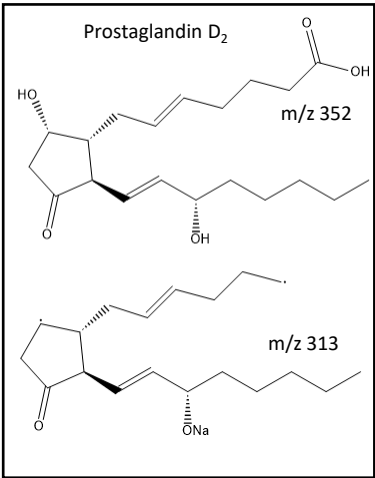
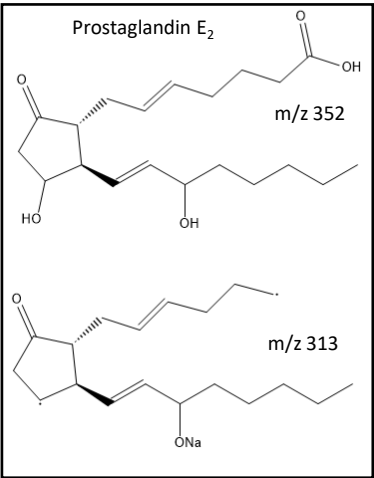
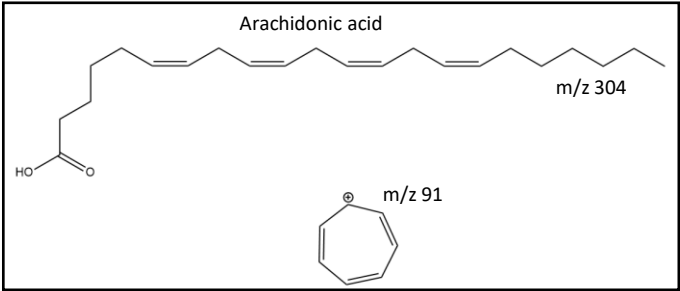
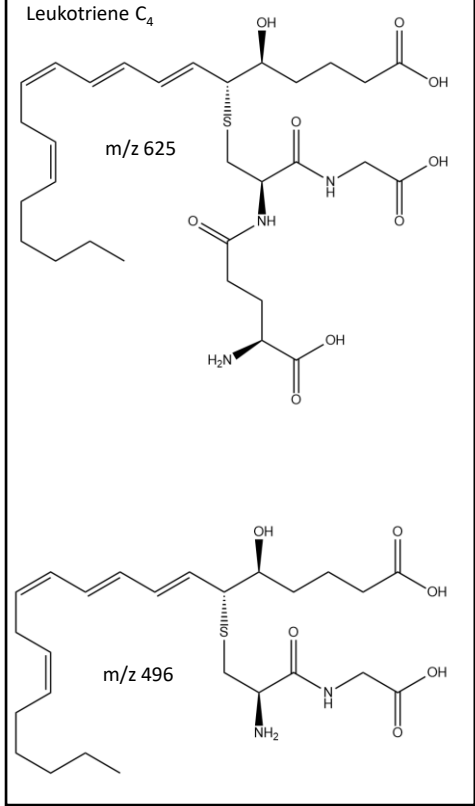
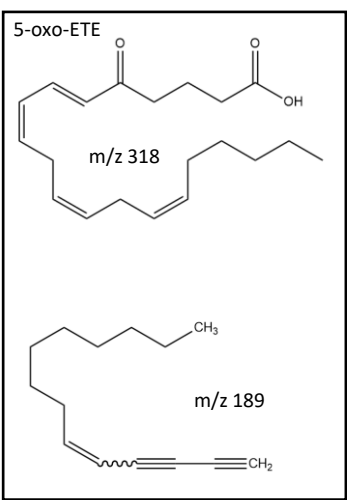
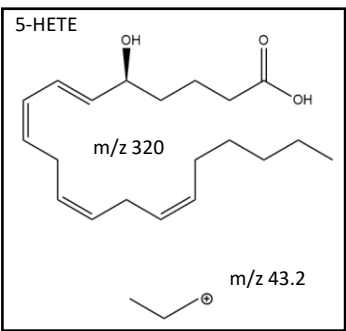
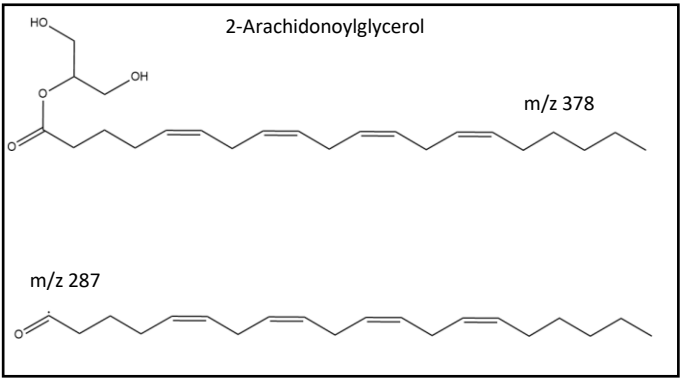


Figure S1e

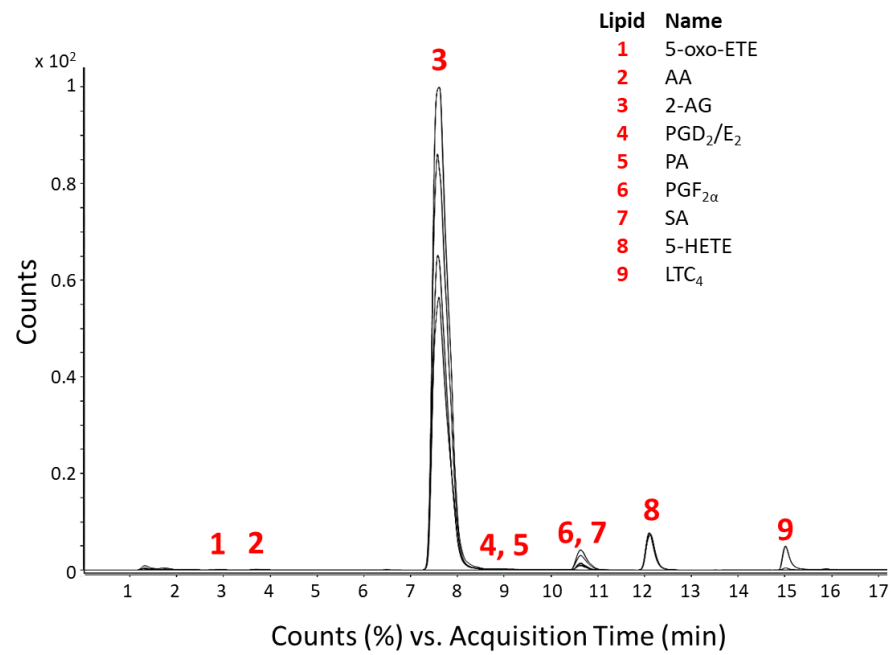


Figure S2a

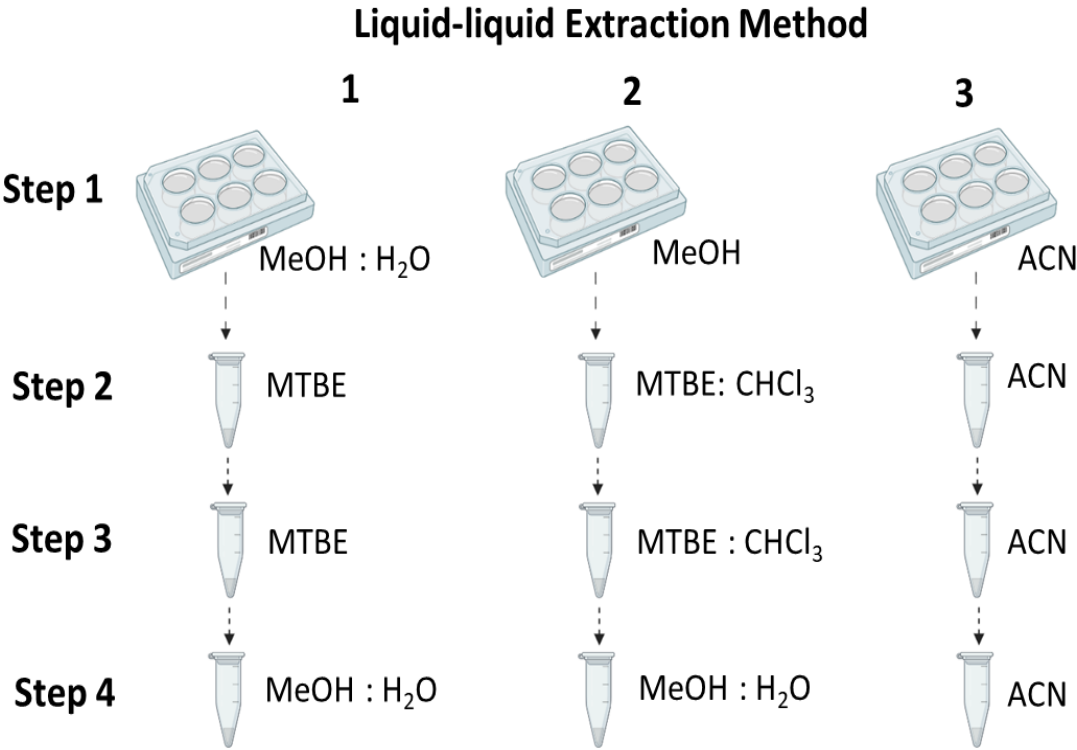




Figure S2b

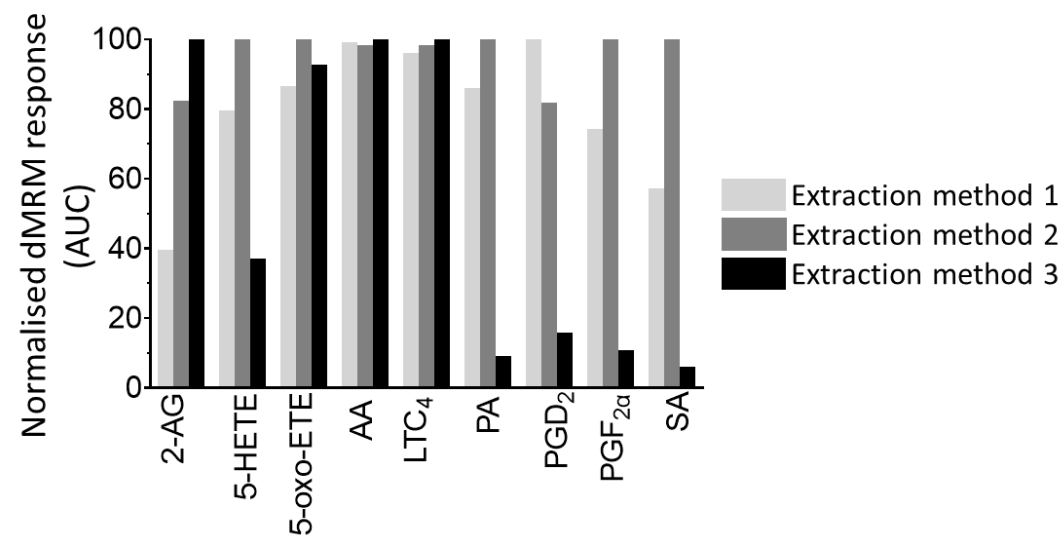


Table S1a

	Extraction 1 (MeOH/H <sub>2</sub> O+MTBE)				Extraction 2 (MeOH+MTBE/CHCl <sub>3</sub> +MeOH/H <sub>2</sub> O)				Extraction 3 (ACN)			
	MEAN	SD	SEM	CV	MEAN	SD	SEM	CV	MEAN	SD	SEM	CV
2-AG	7.2E+02	1.5E+02	1.5E+02	20.6	1.5E+03	4.5E+02	4.5E+02	29.7	1.8E+03	1.2E+02	1.2E+02	6.5
5-HETE	9.8E+03	1.6E+03	1.6E+03	16.5	1.2E+04	1.4E+03	1.4E+03	11.4	4.6E+03	3.8E+02	3.8E+02	8.4
5-Oxo-ETE	8.3E+03	7.4E+02	7.4E+02	8.9	9.6E+03	3.2E+02	3.2E+02	3.3	8.9E+03	8.3E+02	8.3E+02	9.4
AA	1.2E+07	1.5E+05	3.3E+05	1.1	1.2E+07	1.5E+05	1.5E+05	1.2	1.2E+07	8.5E+04	8.5E+04	0.7
LTC4	1.3E+07	3.3E+05	3.3E+05	2.7	1.3E+07	3.5E+05	3.5E+05	2.7	1.3E+07	3.3E+05	3.3E+05	2.5
PA	3.5E+04	4.0E+03	4.0E+03	11.5	4.0E+04	1.1E+04	1.1E+04	27.8	3.7E+03	6.1E+02	6.1E+02	16.4
PGD2/E2	1.1E+03	5.7E+01	5.7E+01	5.2	8.9E+02	2.4E+02	2.4E+02	27.1	1.7E+02	7.2E+01	7.2E+01	41.9
PGF2α	2.2E+06	6.7E+05	6.7E+05	30.6	3.0E+06	5.7E+05	5.7E+05	19.2	3.2E+05	3.5E+04	3.5E+04	10.9
SA	3.8E+05	2.7E+05	2.7E+05	72.8	6.6E+05	2.4E+05	2.4E+05	37.2	4.0E+04	2.3E+03	2.3E+03	5.7

Table S1b

	Extraction 1				Extraction 2				Extraction 3			
	(MeOH/H <sub>2</sub> O+MTBE)				(MeOH+MTBE/CHCl <sub>3</sub> +MeOH/H <sub>2</sub> O)				(ACN)			
	MEAN	SD	SEM	CV	MEAN	SD	SEM	CV	MEAN	SD	SEM	CV
2-AG	1.0E+03	4.4E+02	1.5E+02	43.7	2.1E+02	1.8E+02	6.1E+01	86.9	5.0E+02	1.3E+02	4.5E+01	26.9
5-HETE	1.1E+03	6.9E+02	2.3E+02	62.0	2.9E+03	7.7E+02	2.6E+02	26.2	1.8E+03	9.0E+02	3.0E+02	50.4
5-Oxo-ETE	6.6E+03	7.6E+02	2.5E+02	11.4	1.2E+04	2.5E+03	8.5E+02	20.8	8.4E+03	5.9E+02	2.0E+02	7.0
AA	2.8E+05	2.8E+05	9.3E+04	101.1	3.7E+05	2.5E+05	8.2E+04	66.3	5.0E+04	3.1E+04	1.0E+04	62.1
LTC4	1.4E+07	4.2E+06	1.4E+06	29.6	1.3E+07	4.3E+06	1.4E+06	33.4	3.8E+06	1.0E+05	3.4E+04	2.7
PA	2.5E+04	1.4E+03	4.6E+02	5.5	2.4E+04	2.0E+04	6.6E+03	83.3	3.5E+04	8.4E+03	2.8E+03	23.8
PGD2/E2	9.6E+02	1.7E+02	5.8E+01	18.1	7.6E+02	4.3E+02	1.4E+02	56.4	1.2E+03	3.1E+02	103.9	25.4
PGF2α	2.6E+06	2.0E+05	6.6E+04	7.5	2.2E+06	1.3E+06	4.3E+05	59.0	3.2E+06	5.5E+05	1.8E+05	16.9
SA	3.7E+05	3.9E+04	1.3E+04	10.6	3.4E+05	2.9E+05	9.5E+04	83.9	4.9E+05	1.2E+05	3.9E+04	24.1

Figure S3a

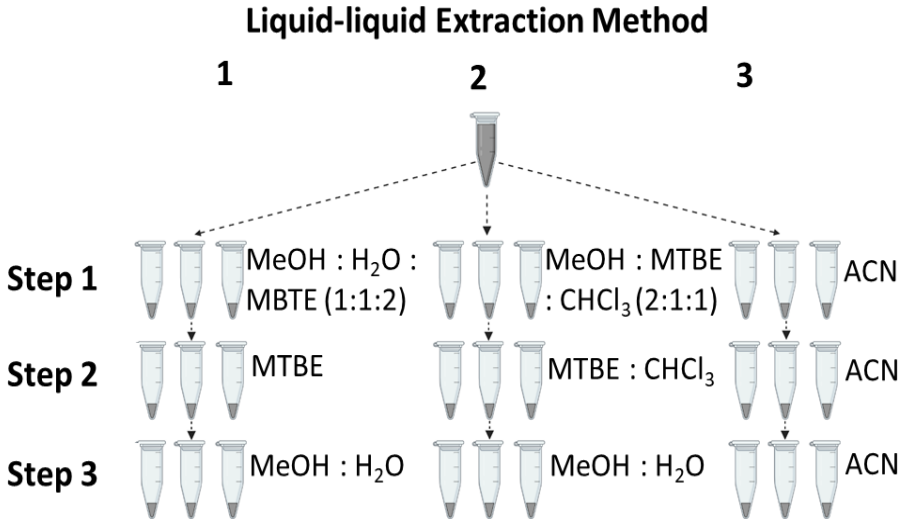


Figure S3b

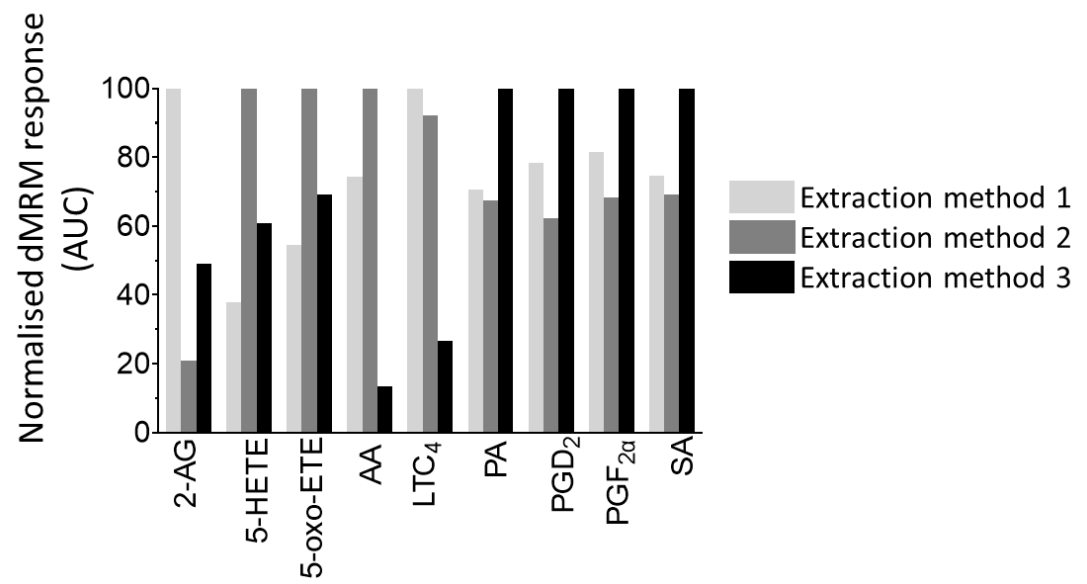


Figure S4

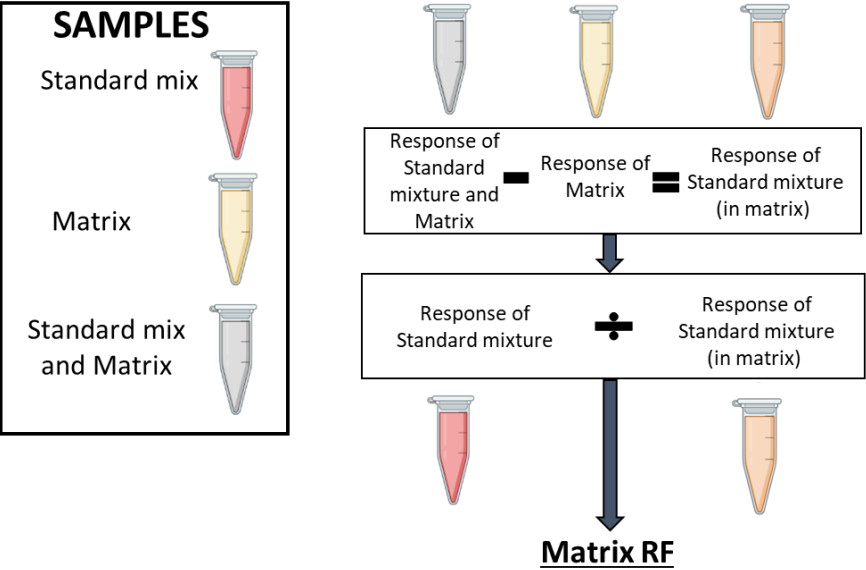


Table S2

Matrix RF	AA	2-AG	PA	PGF <sub>2α</sub>	SA	5-HETE	LTC <sub>4</sub>
Cells	28.97	0.34	40.06	3.95	5.51	1.11	6.17
Cell supernatants	1.25	0.93	0.07	0.09	0.11	0.58	4.81

Table S3a	AA	2-AG	PA	PGF <sub>2α</sub>	SA	5-HETE	LTC <sub>4</sub>
Concentration unit	nmol/L	pmol/L	μmol/L	pmol/L	nmol/L	pmol/L	μmol/L
NT Biological rep 1 Technical rep 1	1.23	109.19	11.59	349.62	0.71	30.70	74.65
NT Biological rep 1 Technical rep 2	1.29	90.18	7.31	271.27	0.44	24.47	72.31
NT Biological rep 1 Technical rep 3	1.40	70.92	10.79	314.60	0.55	27.13	75.09
NT Biological rep 2 Technical rep 1	0.93	59.46		544.90	1.04	39.84	75.04
NT Biological rep 2 Technical rep 2	1.10	59.99		403.42	0.68	29.95	76.65
NT Biological rep 2 Technical rep 3	1.02	68.62		448.05	0.84	30.32	75.37
NT Biological rep 3 Technical rep 1	0.89	57.50	9.96	199.06	0.19	18.62	71.97
NT Biological rep 3 Technical rep 2	1.00	44.20	6.80	228.00	0.25	18.71	72.36
NT Biological rep 3 Technical rep 3	0.90	67.47	7.03	276.50	0.31	21.93	73.64
+IFNα Biological rep 1 Technical rep 1	0.96	50.65	15.43	434.26	0.58	32.53	67.80
+IFNα Biological rep 1 Technical rep 2	0.99	51.45	10.67	357.88	0.36	27.19	68.80
+IFNα Biological rep 1 Technical rep 3	0.80	62.60	12.00	338.66	0.34	24.46	74.41
+IFNα Biological rep 2 Technical rep 1	0.91	59.73	13.26	482.49	0.65	38.07	72.26
+IFNα Biological rep 2 Technical rep 2	0.84	52.03	12.65	433.06	0.52	31.11	72.10
+IFNα Biological rep 2 Technical rep 3	0.81	56.56	8.35	325.62	0.33	20.33	78.70
+IFNα Biological rep 3 Technical rep 1	0.84	62.32	8.76	369.96	0.46	23.36	73.20
+IFNα Biological rep 3 Technical rep 2	0.82	48.96	8.77	461.09	0.58	26.19	72.64
+IFNα Biological rep 3 Technical rep 3	0.81	49.60	9.78	369.87	0.38	18.86	71.42



Table S3b

	NT			IFN $\alpha$			p-value
Metabolite	Mean	SD	N	Mean	SD	N	NT vs. IFN $\alpha$
Arachidonic acid	1.0844	0.1838	9	0.8644	0.0709	9	0.0041
2-Arachidonoylglycerol	69.7256	19.3156	9	54.8778	5.5000	9	0.0414
Palmitic acid	8.9133	2.1150	6	11.0744	2.4242	9	0.0993
Prostaglandin F <sub>2<math>\alpha</math></sub>	337.2689	111.5323	9	396.9878	56.5696	9	0.1712
Stearic acid	0.5567	0.2863	9	0.4667	0.1203	9	0.3974
5-HETE	26.8522	6.7930	9	26.9000	6.1346	9	0.9877
Leukotriene C <sub>4</sub>	74.1200	1.6301	9	72.3700	3.1546	9	0.1587

Table S3c

	AA	2-AG	Palmitic acid	PGF <sub>2α</sub>	Stearic acid	5-HETE	Leukotriene C <sub>4</sub>
NT mean	1.09	69.72	5.94	337.27	0.56	26.85	74.12
NT std.dev	0.16	14.63	0.98	95.98	0.24	5.57	1.24
NT CV (%)	14.88	20.98	16.56	28.46	43.91	20.76	1.67
+IFNα mean	0.87	54.88	11.07	396.99	0.47	26.90	72.37
+IFNα std.dev	0.04	1.01	1.49	15.20	0.03	2.99	1.64
+IFNα CV (%)	4.41	1.85	13.45	3.83	6.34	11.11	2.27

Table S3d

	AA	2-AG	Palmitic acid	PGF <sub>2α</sub>	Stearic acid	5-HETE	Leukotriene C <sub>4</sub>
NT Biological rep 1 mean	1.31	90.09	9.90	311.83	0.57	27.43	74.01
NT Biological rep 1 std.dev	0.07	15.62	1.86	32.04	0.11	2.55	1.22
NT Biological rep 1 CV (%)	5.46	17.34	18.78	10.28	19.28	9.30	1.65
NT Biological rep 2 mean	1.01	62.69		465.46	0.85	33.37	75.69
NT Biological rep 2 std.dev	0.07	4.20		59.06	0.15	4.58	0.69
NT Biological rep 2 CV (%)	6.81	6.70		12.69	17.43	13.72	0.91
NT Biological rep 3 mean	0.93	56.39	7.93	234.52	0.25	19.75	72.66
NT Biological rep 3 std.dev	0.05	9.53	1.44	31.95	0.05	1.54	0.71
NT Biological rep 3 CV (%)	5.07	16.91	18.18	13.62	19.74	7.81	0.98
+IFNα Biological rep 1 mean	0.92	54.90	12.70	376.94	0.43	28.06	70.33
+IFNα Biological rep 1 std.dev	0.08	5.46	2.00	41.29	0.11	3.35	2.91
+IFNα Biological rep 1 CV (%)	8.92	9.94	15.77	10.95	25.27	11.93	4.14
+IFNα Biological rep 2 mean	0.85	56.11	11.42	413.72	0.50	29.84	74.35
+IFNα Biological rep 2 std.dev	0.04	3.16	2.19	65.49	0.13	7.30	3.07
+IFNα Biological rep 2 CV (%)	4.87	5.63	19.15	15.83	26.60	24.45	4.14
+IFNα Biological rep 3 mean	0.83	53.63	9.10	400.31	0.47	22.80	72.42
+IFNα Biological rep 3 std.dev	0.01	6.15	0.48	42.98	0.08	3.02	0.74
+IFNα Biological rep 3 CV (%)	1.32	11.48	5.25	10.74	16.64	13.24	1.03

Table S4a

	AA	2-AG	PA	PGF <sub>2α</sub>	SA	5-HETE	LTC <sub>4</sub>
Concentration unit	pmol/L	fmol/L	pmol/L	pmol/L	pmol/L	pmol/L	pmol/L
NT Biological rep 1 Technical rep 1	44.02	3.37	47.35	1.93	0.79	0.75	342.14
NT Biological rep 1 Technical rep 2	47.50	1.38	31.82	1.96	0.81	0.78	343.55
NT Biological rep 1 Technical rep 3	39.73	1.52	10.35	1.93	0.83	0.74	343.93
NT Biological rep 2 Technical rep 1	42.06	0.72	27.16	2.15	0.92	0.69	339.96
NT Biological rep 2 Technical rep 2	38.55	0.75	0.00	2.02	0.82	0.63	334.42
NT Biological rep 2 Technical rep 3	176.37	1.04	17.23	2.19	0.83	0.56	337.21
NT Biological rep 3 Technical rep 1	134.91	0.74	18.69	2.93	0.85	0.51	334.80
NT Biological rep 3 Technical rep 2	84.98	0.79	20.62	2.54	0.81	0.52	332.93
NT Biological rep 3 Technical rep 3	66.99	0.47	14.88	2.57	0.84	0.57	315.89
+IFNα Biological rep 1 Technical rep 1	45.21	0.36	156.27	3.07	1.86	1.18	341.19
+IFNα Biological rep 1 Technical rep 2	40.74	0.50	145.35	3.85	2.09	1.21	327.66
+IFNα Biological rep 1 Technical rep 3	46.10	0.72	107.46	3.44	2.31	1.13	352.38
+IFNα Biological rep 2 Technical rep 1	63.83	0.52	169.52	3.38	1.89	1.68	334.00
+IFNα Biological rep 2 Technical rep 2	60.17	0.40	164.09	3.12	1.89	1.77	334.49
+IFNα Biological rep 2 Technical rep 3	56.29	0.48	194.06	3.04	1.82	1.68	343.59
+IFNα Biological rep 3 Technical rep 1	33.38	0.44	166.54	2.85	1.83	1.60	337.76
+IFNα Biological rep 3 Technical rep 2	29.85	0.33	147.09	2.56	1.93	1.53	345.85
+IFNα Biological rep 3 Technical rep 3	30.86	0.43	149.62	5.67	2.28	1.49	346.78

Table S4b

	NT			IFNα			p-value
Metabolite	Mean	SD	N	Mean	SD	N	NT vs. IFNα
Arachidonic acid	75.0122	49.2474	9	45.1589	12.7271	9	0.0974
2-Arachidonoylglycerol	1.1978	0.8814	9	0.4644	0.1145	9	0.0249
Palmitic acid	20.9000	13.5131	9	155.5556	23.4410	9	< 0.0001
Prostaglandin F <sub>2α</sub>	2.24667	0.3543	9	3.4422	0.9128	9	0.0021
Stearic acid	0.8333	0.0371	9	1.9889	0.1909	9	< 0.0001
5-HETE	0.6389	0.1042	9	1.4744	0.2414	9	< 0.0001
Leukotriene C <sub>4</sub>	336.0922	8.6054	9	340.4111	7.6640	9	0.2774

Table S4c

	AA	2-AG	Palmitic acid	PGF <sub>2α</sub>	Stearic acid	5-HETE	Leukotriene C <sub>4</sub>
NT mean	75.01	1.20	20.90	2.25	0.83	0.64	336.09
NT std.dev	22.48	0.63	6.46	0.32	0.02	0.09	6.31
NT CV (%)	29.97	53.03	30.91	14.07	2.17	14.44	1.88
+IFNα mean	45.16	0.47	155.55	3.44	1.99	1.47	340.41
+IFNα std.dev	11.76	0.05	16.16	0.21	0.09	0.22	2.49
+IFNα CV (%)	26.04	11.27	10.39	6.11	4.60	15.18	0.73

**Table S4d**

	AA	2-AG	Palmitic acid	PGF <sub>2<math>\alpha</math></sub>	Stearic acid	5-HETE	Leukotriene C <sub>4</sub>
NT Biological rep 1 mean	43.75	2.09	29.84	1.94	0.81	0.76	343.21
NT Biological rep 1 std.dev	3.18	0.91	15.17	0.01	0.01	0.02	0.77
NT Biological rep 1 CV (%)	7.27	43.37	50.85	0.74	1.76	2.53	0.22
NT Biological rep 2 mean	85.66	0.84	22.19	2.12	0.85	0.63	337.20
NT Biological rep 2 std.dev	64.16	0.14	4.96	0.07	0.05	0.05	2.26
NT Biological rep 2 CV (%)	74.90	17.11	22.36	3.37	5.53	8.13	0.67
NT Biological rep 3 mean	95.63	0.67	18.07	2.68	0.83	0.53	327.87
NT Biological rep 3 std.dev	28.73	0.14	2.39	0.18	0.02	0.03	8.51
NT Biological rep 3 CV (%)	30.04	21.53	13.20	6.74	1.87	4.98	2.59
+IFN $\alpha$ Biological rep 1 mean	44.01	0.53	136.36	3.46	2.09	1.17	340.41
+IFN $\alpha$ Biological rep 1 std.dev	2.35	0.15	20.92	0.32	0.18	0.03	10.10
+IFN $\alpha$ Biological rep 1 CV (%)	5.33	28.03	15.34	9.21	8.81	2.47	2.97
+IFN $\alpha$ Biological rep 2 mean	60.10	0.47	175.89	3.18	1.87	1.71	337.36
+IFN $\alpha$ Biological rep 2 std.dev	3.08	0.05	13.04	0.14	0.03	0.04	4.41
+IFN $\alpha$ Biological rep 2 CV (%)	5.12	10.85	7.41	4.55	1.86	2.44	1.31
+IFN $\alpha$ Biological rep 3 mean	31.36	0.40	154.42	3.70	2.01	1.54	343.47
+IFN $\alpha$ Biological rep 3 std.dev	1.48	0.05	8.63	1.40	0.19	0.05	4.05
+IFN $\alpha$ Biological rep 3 CV (%)	4.73	12.60	5.59	37.98	9.57	2.96	1.18

Table S5

Lipid	Linear Regression Equation	R <sup>2</sup>
5-oxo-ETE	Y = 63948*X + 9971	0.982
Arachidonic acid	Y = 78582*X + 16322	0.997
2-Arachidonoylglycerol	Y = 20023*X + 7784	0.985
Palmitic acid	Y = 19661.2*X + 1388	0.950
Prostaglandin D <sub>2</sub> /E <sub>2</sub>	Y = 405.2*X + 239.9	0.953
Prostaglandin F <sub>2α</sub>	Y = 2214017*X + 1484422	0.980
Stearic acid	Y = 707077*X + 207066	0.959
5-HETE	Y = 3817994*X + 477523	0.991
Leukotriene C <sub>4</sub>	Y = 794330*X + 2171027	0.999



Figure S5

