

Table S1 The MRM transitions and optimized DP and CE

NO.	Q1 (Da)	Q3 (Da)	Compound	DP (V)	EP (V)	CE (ev)	CXP (V)
1	324.3	277.2	10-Nitrolinoleate	-40	-8	-18	-13
2	326.2	279.5	10-Nitrooleate	-40	-8	-24	-13
3	317.2	167.2	11(12)-EpETE	-40	-6	-18	-13
4	319.2	167.1	11(12)-EpETrE	-40	-6	-21	-13
5	337.2	166.9	11,12-DHET	-44	-6	-28	-26
6	337.3	167.1	11,12-DiHETrE	-55	-6	-27	-13
7	319.3	167.2	11,12-EET	-45	-4	-21	-18
8	319.3	167.2	11-HETE	-35	-6	-23	-20
9	309.2	291.2	12(13)-Ep-9-KODE	-90	-6	-21	-13
10	293.2	183.2	12(13)-EpODE	-50	-6	-24	-13
11	295.2	195.2	12(13)-EpOME	-85	-6	-21	-13
12	311.2	183.2	12,13-DiHODE	-60	-6	-27	-13
13	313.3	183.2	12,13-DiHOME	-70	-6	-30	-13
14	317.2	179.1	12-HEPE	-45	-6	-18	-13
15	319.2	179.1	12-HETE	-60	-6	-21	-13
16	295.1	194.8	13-HODE	-40	-5	-20	-21
17	295.2	195.2	13-HODE-2	-90	-6	-24	-13
18	293.2	195.2	13-HOTE	-70	-6	-24	-13
19	293.2	179.1	13-KODE	-80	-6	-27	-13
20	317.2	247.2	14(15)-EpETE	-35	-6	-18	-13
21	319.2	219.2	14(15)-EpETrE	-50	-6	-18	-13
22	337.2	207.2	14,15-DHET	-42	-6	-26	-19
23	335.3	207.2	14,15-DiHETE	-40	-6	-24	-13
24	337.3	207.2	14,15-DiHETrE	-60	-6	-24	-13
25	319.3	219.0	14,15-EET	-45	-5	-20	-21
26	343.3	281.2	14-HDoHE	-60	-6	-18	-13
27	293.2	275.2	15(16)-EpODE	-65	-6	-18	-13
28	311.2	235.2	15,16-DiHODE	-55	-6	-27	-13
29	315.2	271.2	15-deoxy PGJ2	-50	-9	-21	-13

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NO.	Q1 (Da)	Q3 (Da)	Compound	DP (V)	EP (V)	CE (ev)	CXP (V)
30	315.2	271.3	15-deoxy-delta12,14-PGJ2	-25	-9	-21	-18
31	317.2	219.2	15-HEPE	-55	-6	-18	-13
32	319.2	219.0	15-HETE	-40	-5	-20	-22
33	319.2	219.2	15-HETE-2	-55	-6	-18	-13
34	317.2	273.2	15-KETE	-60	-6	-18	-13
35	349.2	331.3	15-Keto PGE2	-50	-9	-15	-13
36	353.3	209	15-Keto-PGF2 α	-45	-6	-15	-13
37	319.3	233.0	16-HETE	-38	-6	-22	-22
38	317.2	259.2	17(18)-EpETE	-55	-6	-15	-13
39	335.3	247.2	17,18-DiHETE	-70	-6	-24	-13
40	343.3	281.2	17-HDoHE	-55	-6	-18	-13
41	343.3	281.2	19(20)-EpDPE	-60	-6	-18	-13
42	361.3	273.2	19,20-DiHDoPA	-80	-6	-24	-13
43	319.2	275.2	20-HETE	-95	-6	-24	-13
44	343.3	281.2	4-HDoHE	-60	-6	-18	-13
45	335.3	173.1	5,15-DiHETE	-40	-6	-18	-13
46	337.2	144.9	5,6-DHET	-46	-6	-27	-27
47	337.3	145.1	5,6-DiHETrE	-55	-6	-24	-13
48	319.3	191.2	5,6-EET	-32	-7	-19	-20
49	317.2	115.1	5-HEPE	-40	-6	-21	-13
50	319.2	115.1	5-HETE	-50	-6	-18	-13
51	317.2	203.2	5-KETE	-75	-6	-27	-13
52	369.3	163.1	6-keto PGF1 α	-70	-9	-33	-13
53	335.3	195.2	6-trans-LTB4	-85	-6	-21	-13
54	319.2	155.1	8(9)-EpETrE	-40	-6	-18	-13
55	335.3	235.2	8,15-DiHETE	-65	-6	-21	-13
56	337.2	126.8	8,9-DHET	-45	-6	-32	-25
57	337.3	127.1	8,9-DiHETrE	-65	-6	-27	-13
58	319.3	68.9	8,9-EET	-37	-5.5	-34	-25

Continued

NO.	Q1 (Da)	Q3 (Da)	Compound	DP (V)	EP (V)	CE (ev)	CXP (V)
59	319.3	155.1	8-HETE	-42	-5	-25	-25
60	293.2	275.2	9(10)-EpODE	-65	-6	-18	-13
61	295.2	171.1	9(10)-EpOME	-75	-6	-21	-13
62	311.2	201.2	9,10-DiHODE	-65	-6	-27	-13
63	313.3	201.2	9,10-DiHOME	-65	-6	-27	-13
64	315.2	297.2	9,10-e-DiHO	-110	-6	-30	-13
65	297.3	279.2	9,10-EpO	-105	-8	-27	-13
66	329.2	211.2	9,12,13-TriHOME	-60	-6	-30	-13
67	317.2	167.2	9-HEPE	-45	-6	-18	-13
68	319.2	167.1	9-HETE	-60	-6	-18	-13
69	295.0	171.0	9-HODE	-42	-6	-25	-21
70	295.2	171.1	9-HODE-2	-70	-6	-24	-13
71	293.2	171.1	9-HOTE	-60	-6	-21	-13
72	293.2	185.2	9-KODE	-100	-6	-27	-13
73	326.2	308.2	9-Nitrooleate	-50	-8	-18	-13
74	303.2	259.2	AA	-45	-8	-20	-16
75	277.4	259.2	ALA	-115	-8	-24	-13
76	353.01	113.01	11-epi-PGF2a	-40	-6.5	-28	-18
77	327.2	283.2	DHA	-45	-8	-15	-13
78	301.4	257.2	EPA	-60	-8	-15	-13
79	279.4	261.2	LA	-185	-8	-38	-13
80	351.3	217.2	Lipoxin A4	-45	-6	-27	-13
81	351.3	221.2	Lipoxin B4	-55	-4.5	-22	-13
82	335.3	195.2	LTB4	-50	-6	-24	-13
83	333.3	195.2	LTB5	-50	-6	-21	-13
84	335.3	113.2	PGB1	-60	-9	-37	-19
85	351.3	271.2	PGD2	-40	-4.5	-24	-13
86	353.3	317.2	PGE1	-40	-4.5	-18	-13
87	351.3	271.2	PGE2	-40	-4.5	-21	-13

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NO.	Q1 (Da)	Q3 (Da)	Compound	DP (V)	EP (V)	CE (ev)	CXP (V)
88	333.3	271.3	PGA2	-32	-4.5	-23	-17
89	349.3	269.2	PGE3	-35	-4.5	-21	-13
90	353.3	309.3	PGF2a				
91	351.3	307.4	PGF3a	-60	-4.5	-24	-13
92	333.2	189.2	PGJ2	-20	-4	-25	-18
93	359.3	153.1	Protectin DX	-40	-6	-22	-13
94	375.3	215.1	Resolvin D1	-40	-6	-26	-13
95	375.3	277.2	Resolvin D2	-50	-4.5	-18	-13
96	349.3	195.2	Resolvin E1	-50	-5	-22	-13
97	333.3	115.1	Resolvin E2	-40	-5	-18	-13
98	369.2	169.0	TXB2	-36	-4	-27	-35