

Table S1. The multiple reaction-monitoring parameters for lipid oxidation products

Analyte	Q1 mass	Q3 mass	Declustering potential	Collision cell energy	Focusing potential	Entrance potential	Collision cell exit potential
5(S)-HETE-d ₈	327.2	116.2	-22	-20	-250	-10	-22
5(S)-HETE	319.2	115.2	-22	-20	-250	-10	-22
5(R)-HETE	319.2	115.2	-22	-20	-250	-10	-22
(R,S)8-HETE	319.2	155.2	-22	-20	-250	-10	-22
(R,S)12-HETE	319.2	179.0	-22	-22	-250	-10	-22
(R,S)15-HETE	319.2	219.2	-22	-20	-250	-10	-22
(R,S)5-HEPE	317.3	115.0	-16	-20	-250	-10	-22
(R,S)12-HEPE	317.3	178.9	-21	-20	-250	-10	-22
(R,S)15-HEPE	317.3	219.2	-21	-20	-250	-10	-22
9(S)-HODE	295.4	171.2	-36	-20	-200	-13	-15
9(R)-HODE	295.4	171.2	-36	-20	-200	-13	-15
(R,S)13-HODE	295.1	195.1	-36	-26	-250	-10	-22
20:4n-6d ₈	311.4	267.5	-50	-20	-200	-13	-15
20:2n-6	303.4	259.5	-50	-20	-200	-13	-15
PGE ₂	351.2	271.5	-30	-28	-200	-10	-10
PGD ₂	351.2	271.5	-30	-28	-200	-10	-10
8-iso-PGE ₂	351.2	271.5	-30	-28	-200	-10	-10
PGE ₂ -d ₄	355.2	275.5	-30	-28	-200	-10	-10
PGF _{2α}	353.3	193.2	-40	-34	-200	-10	-11
8-iso-PGF _{2α}	369.2	163.4	-40	-37	-200	-10	-29
Resolvin D1	375.1	135.4	-46	-32	-200	-10	-9
Resolvin D2	375.1	174.6	-51	-36	-200	-10	-23

Supplementary Table S2. Fatty acid composition of raw and baked salmon fillets.

Name	Raw Salmon nmol/g sample		Baked Salmon nmol/g sample	
	AVE	SD ¹	AVE	SD
C14:0	208	36	175	9
C14:1n-5	34	5	39	10
C16:0	419	100	738	217
C16:1n-7	29	12	52	15
C18:0	1,292	366	1,112	215
C18:1n-9	1,655	230	1,495	370
C18:2n-6	321	136	351	48
C18:3n-6	39	7	45	9
C18:3n-3	80	13	79	15
C20:1n-9	164	20	116*	15
C20:2n-6	39	21	32	14
C20:3n-6	79	5	72	6
C22:0	20	4	19	1
C20:4n-6	717	38	634	59
C20:4n-3	144	20	91*	15
C20:5n-3	1,387	318	1,305	173
C24:0	97	20	158	121
C22:4n-6	115	21	93	14
C22:5n-6	27	11	26	3
C22:5n-3	792	125	651	93
C24:1n-9	0	0	0	0
C22:6n-3	4,657	676	3,803	472
Σ SFA	2,037	372	2,203	151
Σ MUFA	1,882	226	1,702	382
Σ PUFA	8,396	1,066	7,183	865
Σ n-3	7,060	1,017	5,930	738
Σ n-6	1,336	66	1,253	142
n-3/n-6	5.3	0.6	4.7	0.3
Total	12,315	788	11,088	1,297

Data are the mean \pm S.D., n=3. Values for individual fatty acids were compared using Student's t-test. * denotes p < 0.05.