

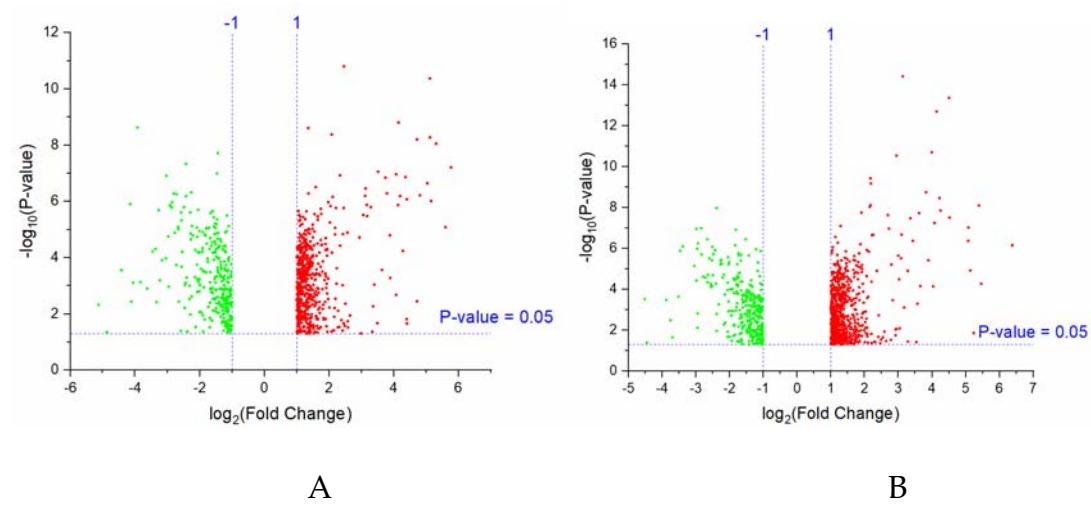


Figure S1: A volcano plot of all metabolite ions detected by negative mode (**A**) and positive mode (**B**).

Table S1 metabolites identified by UPLC-Q-TOF-MS of *P. digitatum* mycelia treated with PiCB

Ion mode	Adduct	RT (min)	Metabolite ^a	Detected m/z	Molecular formula	Theoretical m/z	Log ₂ -FC ^b	Functional category
ESI(+)	(M+H)+	0.78	α -Linolenic acid	279.23104	C ₁₈ H ₃₂ O ₂	280.24023	-1.92	Fatty acids metabolism
	(M+H-H ₂ O)+	1.20	MG(18:2)	337.27287	C ₂₁ H ₃₈ O ₄	354.52402	2.32	Lipid metabolism
	(M+Na)+	1.27	16-Hydroxypalmitic acid	295.22591	C ₁₆ H ₃₂ O ₃	272.42899	-0.26	Fatty acids metabolism
	(M+Na)+	1.33	PC(16:0/16:0)	756.55382	C ₄₀ H ₈₀ NO ₈ P	733.56213	0.74	Lipid metabolism
	(M+H)+	1.48	Nicotinamide	123.05374	C ₆ H ₆ N ₂ O	122.04801	-0.44	Vitamin metabolism
	(M+H-H ₂ O)+	2.51	Adenosine	250.09251	C ₁₀ H ₁₃ N ₅ O ₄	267.09674	0.77	Purine metabolism
	(M+H)+	3.38	Pyridoxine	170.07964	C ₈ H ₁₁ NO ₃	169.07388	-0.72	Vitamin metabolism
	(M+H)+	3.65	Stearidonic acid	277.21523	C ₁₈ H ₂₈ O ₂	276.20892	0.68	Fatty acids metabolism
	(M+H)+	3.97	4-Aminobenzoate	138.05324	C ₇ H ₇ NO ₂	137.04768	-0.69	Folate biosynthesis
	(M+H)+	4.56	Vaccenic acid	251.09068	C ₁₈ H ₃₄ O ₂	282.25589	1.12	Fatty acids metabolism
	M+	4.78	Choline	104.10542	C ₅ H ₁₄ NO	104.10754	-0.39	Lipid metabolism
	(M+H)+	5.29	Uracil	113.03290	C ₄ H ₄ N ₂ O ₂	112.02728	0.64	Nucleic metabolism
	(M+H-H ₂ O)+	5.57	NAG	204.08526	C ₈ H ₁₅ NO ₆	221.08990	2.23	Amino sugar and nucleotide sugar metabolism
	(M+H)+	5.61	Hypoxanthine	137.04440	C ₅ H ₄ N ₄ O	136.03851	1.24	Purine metabolism
	(2M+H)+	5.86	2'-O-Methyluridine	515.20869	C ₁₀ H ₁₅ N ₃ O ₅	257.10117	0.96	Nucleic metabolism
	(M-H+2Na)+	5.99	SOPC	832.57082	C ₄₄ H ₈₆ NO ₈ P	788.14697	0.66	Lipid metabolism
	(M+Na)+	6.04	DOPC	808.57063	C ₄₄ H ₈₄ NO ₈ P	786.13098	1.22	Lipid metabolism
	(M+H)+	6.09	SHPC	524.36908	C ₂₆ H ₅₄ NO ₇ P	523.36377	1.02	Lipid metabolism
	M+	6.27	PAF 18:1	550.38505	C ₂₈ H ₅₆ NO ₇ P	549.37946	0.68	Lipid metabolism
	(M+H)+	6.39	1-OPC	522.35446	C ₂₆ H ₅₂ NO ₇ P	521.67798	1.51	Lipid metabolism
	(M+H)+	6.63	DMPC	468.30743	C ₂₂ H ₄₆ NO ₇ P	467.30118	0.72	Lipid metabolism

(M+Na)+	6.78	LysoPC(16:0)	518.32244	C ₂₄ H ₅₀ NO ₇ P	495.64001	1.18	Lipid metabolism
(M+H-H ₂ O)+	6.84	D-Ornithine	115.08481	C ₄₄ H ₈₄ NO ₈ P	786.13098	-1.56	Amino acid metabolism
(M+H)+	6.94	LPE 16:0	454.29271	C ₂₁ H ₄₄ NO ₇ P	453.28549	0.29	Lipid metabolism
(M+H)+	7.17	Xanthine	153.03889	C ₅ H ₄ N ₄ O ₂	152.03343	0.96	Purine metabolism
(M+H)+	7.32	Nicotinate	124.03761	C ₆ H ₅ NO ₂	123.03203	1.33	Vitamin metabolism
(M+H)+	7.65	2-Hydroxyadenine	152.05523	C ₅ H ₅ N ₅ O	151.12900	-1.59	Purine metabolism
M+	8.30	2-Methylbutyryl carnitine	246.16910	C ₁₂ H ₂₃ NO ₄	245.32808	-1.23	Lipid metabolism
(M+H)+	8.68	L-Phenylalanine	166.08464	C ₉ H ₁₁ NO ₂	165.07899	1.21	Amino acid metabolism
(M+H-H ₂ O)+	8.70	Tyramine	120.07916	C ₈ H ₁₁ NO	137.08406	1.47	Amino acid metabolism
(M+H)+	8.74	L-Tryptophan	205.09561	C ₁₁ H ₁₂ N ₂ O ₂	204.08990	0.76	Amino acid metabolism
(M+H-H ₂ O)+	8.74	Indole-3-lactic acid	188.06937	C ₁₁ H ₁₁ NO ₃	205.07388	0.92	IAA biosynthesis
(M+H)+	8.90	L-Leucine	132.10048	C ₆ H ₁₃ NO ₂	131.09464	0.74	Amino acid metabolism
(M+H)+	9.20	Betaine	118.08475	C ₅ H ₁₁ NO ₂	117.07898	0.72	Amino acid metabolism
(M+H)+	9.56	L-Methionine	150.05697	C ₅ H ₁₁ NO ₂ S	149.05106	1.21	Amino acid metabolism
(M+H)+	10.09	L-Tyrosine	182.07994	C ₉ H ₁₁ NO ₃	181.07390	0.95	Amino acid metabolism
(M+H-H ₂ O)+	10.10	Dopamine	136.07385	C ₈ H ₁₁ NO ₂	153.07898	0.80	Amino acid metabolism
(M+H)+	10.35	D-Pipecolic acid	130.08457	C ₆ H ₁₁ NO ₂	129.07898	1.08	Piperidine biosynthesis
(M+H)+	10.47	D-Proline	116.06883	C ₅ H ₉ NO ₂	115.06333	0.32	Amino acid metabolism
(M+H)+	11.67	GlcNAc	425.17532	C ₁₆ H ₂₈ N ₂ O ₁₁	424.42402	-0.86	Amino sugar and nucleotide sugar metabolism
(M+NH ₄)+	12.26	Sucrose	360.14923	C ₁₂ H ₂₂ O ₁₁	342.11621	-0.65	Starch and sucrose metabolism
(M+H)+	12.30	GDL	179.05367	C ₆ H ₁₀ O ₆	178.14000	-0.55	Pentose phosphate pathway
(M+NH ₄)+	12.40	L-Pyroglutamic acid	147.07473	C ₅ H ₇ NO ₃	129.04259	0.72	Amino acid metabolism
M+	12.98	Glycerophosphocholine	258.10868	C ₈ H ₂₀ NO ₆ P	257.22124	0.24	Lipid metabolism

ESI(-)	(M+H)+	13.11	L-Glutamate	148.05890	C ₅ H ₉ NO ₄	147.05316	-0.56	Amino acid metabolism
	(M+H)+	13.28	L-Aspartate	134.04320	C ₄ H ₇ NO ₄	133.03751	0.98	Amino acid metabolism
	(M+H)+	13.80	L-Histidine	156.07521	C ₆ H ₉ N ₃ O ₂	155.06947	1.59	Amino acid metabolism
	(M+H)+	14.25	D-Maltose	343.12237	C ₁₂ H ₂₂ O ₁₁	342.29700	-0.73	Starch and sucrose metabolism
	(M+H)+	14.42	Argininosuccinic acid	291.12903	C ₁₀ H ₁₈ N ₄ O ₆	290.12262	-0.35	Amino acid metabolism
	(M+H)+	14.46	UMP	325.04215	C ₉ H ₁₁ N ₂ O ₉ P	324.03586	-0.68	Pyrimidine metabolism
	(M+NH ₄)+	14.71	Maltotriose	522.20204	C ₁₈ H ₃₂ O ₁₆	504.16904	0.64	Carbohydrate metabolism
	(M+H)+	17.07	L-Arginine	175.11737	C ₆ H ₁₄ N ₄ O ₂	174.11168	0.67	Amino acid metabolism
	(M-H)-	0.93	Salicylic acid	137.02373	C ₇ H ₆ O ₃	138.03169	2.24	Phenylalanine metabolism
	(M-H)-	1.22	α -Linolenic acid	277.21631	C ₁₈ H ₃₀ O ₂	278.22461	-0.71	Fatty acids metabolism
	(M-H)-	1.23	Pentadecanoic acid	241.21642	C ₁₅ H ₃₀ O ₂	242.22459	0.87	Fatty acids metabolism
	(M-H)-	1.93	9R,10S-EpOME	295.22724	C ₁₈ H ₃₂ O ₃	296.23514	-0.95	Fatty acids metabolism
	(M-H ₂ O-H)-	2.16	D-Glucose	161.04505	C ₆ H ₁₂ O ₆	180.06340	-0.28	Glycolysis/gluconeogenesis
	(M-H)-	2.31	Homogentisic acid	167.03472	C ₈ H ₈ O ₄	168.04227	-1.16	Amino acid metabolism
	(M-H)-	2.38	2'-O-Methyluridine	257.07717	C ₁₀ H ₁₄ N ₂ O ₆	258.08521	0.75	Nucleic metabolism
	(M-H)-	3.09	9(S)-HODE	295.22697	C ₁₈ H ₃₂ O ₃	296.23514	-0.93	Fatty acids metabolism
	(M-H)-	3.92	GDL	177.04001	C ₆ H ₁₀ O ₆	178.14000	-1.77	Pentose phosphate pathway
	(M+K-2H)-	4.22	5'-O-Methylthymidine	293.05383	C ₁₁ H ₁₆ N ₂ O ₅	256.10593	0.97	Nucleic metabolism
	(M-H)-	4.60	Palmitic acid	255.23218	C ₁₆ H ₃₂ O ₂	256.24023	1.44	Fatty acids metabolism
	(M-H)-	4.76	Uridine	243.06223	C ₉ H ₁₂ N ₂ O ₆	244.06953	0.48	Pyrimidine metabolism
	(M-H)-	4.77	Uracil	111.01938	C ₄ H ₄ N ₂ O ₂	112.02728	0.33	Nucleic metabolism
	(M-H)-	4.99	Hypoxanthine	135.03067	C ₅ H ₄ N ₄ O ₂	152.03343	1.71	Purine metabolism
	(M-H)-	5.08	Linoleic acid	279.23229	C ₁₈ H ₃₂ O ₂	280.24023	-0.85	Fatty acids metabolism
	(M-H)-	5.14	D-Threitol	121.05012	C ₄ H ₁₀ O ₄	122.12168	-0.26	Carbohydrate metabolism
	(M-H)-	5.52	Adenine	134.04680	C ₅ H ₅ N ₅	135.05450	1.03	Purine metabolism

(M-H)-	5.94	LPE 16:0	452.27664	C ₂₁ H ₄₄ NO ₇ P	453.28549	0.47	Lipid metabolism
(M-H)-	6.40	Nicotinate	122.02412	C ₆ H ₅ NO ₂	123.03203	1.05	Vitamin metabolism
(M-H)-	6.44	Xanthine	151.02594	C ₅ H ₄ N ₄ O ₂	152.03343	0.57	Purine metabolism
(M-H)-	6.71	DL-lactate	89.02403	C ₃ H ₆ O ₃	90.03169	0.45	Fatty acids metabolism
(M-H)-	7.68	L-Phenylalanine	164.07149	C ₉ H ₁₁ NO ₂	165.07899	1.56	Amino acid metabolism
(M-H)-	7.72	L-Tryptophan	203.08214	C ₁₁ H ₁₂ N ₂ O ₂	204.08990	1.37	Amino acid metabolism
(M-H)-	8.49	Glycyl-L-leucine	187.10830	C ₈ H ₁₆ N ₂ O ₃	188.22701	0.97	Amino acid metabolism
(M-H)-	8.54	L-Methionine	148.04340	C ₅ H ₁₁ NO ₂ S	149.05106	1.13	Amino acid metabolism
(M+CH ₃ COO)-	9.13	Dulcitol	241.09260	C ₆ H ₁₄ O ₆	182.07904	1.03	Galactose metabolism
(M-H)-	9.15	L-Valine	116.07110	C ₅ H ₁₁ NO ₂	117.07898	-1.00	Amino acid metabolism
(M-H)-	9.26	Xanthosine	283.06733	C ₁₀ H ₁₂ N ₄ O ₆	284.07571	0.60	Purine metabolism
(M-H)-	10.68	L-Threonine	118.05041	C ₄ H ₉ NO ₃	119.05824	0.55	Amino acid metabolism
(M+CH ₃ COO)-	11.26	Galactinol	401.12825	C ₁₂ H ₂₂ O ₁₁	342.11621	-0.67	Galactose metabolism
(M-H)-	11.27	Sucrose	341.10786	C ₁₂ H ₂₂ O ₁₁	342.11621	-1.32	Starch and sucrose metabolism
(M-H)-	11.36	Dihydrothymine	127.05061	C ₅ H ₈ N ₂ O ₂	128.13170	0.57	Nucleic metabolism
(M-H)-	11.37	L-Glutamine	145.06137	C ₅ H ₁₀ N ₂ O ₃	146.06914	0.69	Amino acid metabolism
(M-H)-	11.43	L-Serine	104.03465	C ₃ H ₇ NO ₃	105.04259	1.22	Amino acid metabolism
(M-H)-	11.60	Succinate	117.01909	C ₄ H ₆ O ₄	118.02661	-0.45	TCA cycle
(M-H)-	11.61	NAG	188.05598	C ₇ H ₁₁ NO ₅	189.06372	-0.50	Amino sugar and nucleotide sugar metabolism
(M-H)-	11.70	L-Histidine	154.06175	C ₆ H ₉ N ₃ O ₂	155.06947	0.98	Amino acid metabolism
(M-H)-	11.79	NAA	174.04040	C ₆ H ₉ NO ₅	175.04807	0.74	Amino acid metabolism
(M-H)-	11.96	L-Glutamate	146.04563	C ₅ H ₉ NO ₄	147.05316	-0.50	Amino acid metabolism
(M-H)-	12.03	L-Malic acid	133.01385	C ₄ H ₆ O ₅	134.02151	0.18	TCA cycle
(M-H)-	12.14	L-Aspartate	132.02967	C ₄ H ₇ NO ₄	133.03751	0.78	Amino acid metabolism

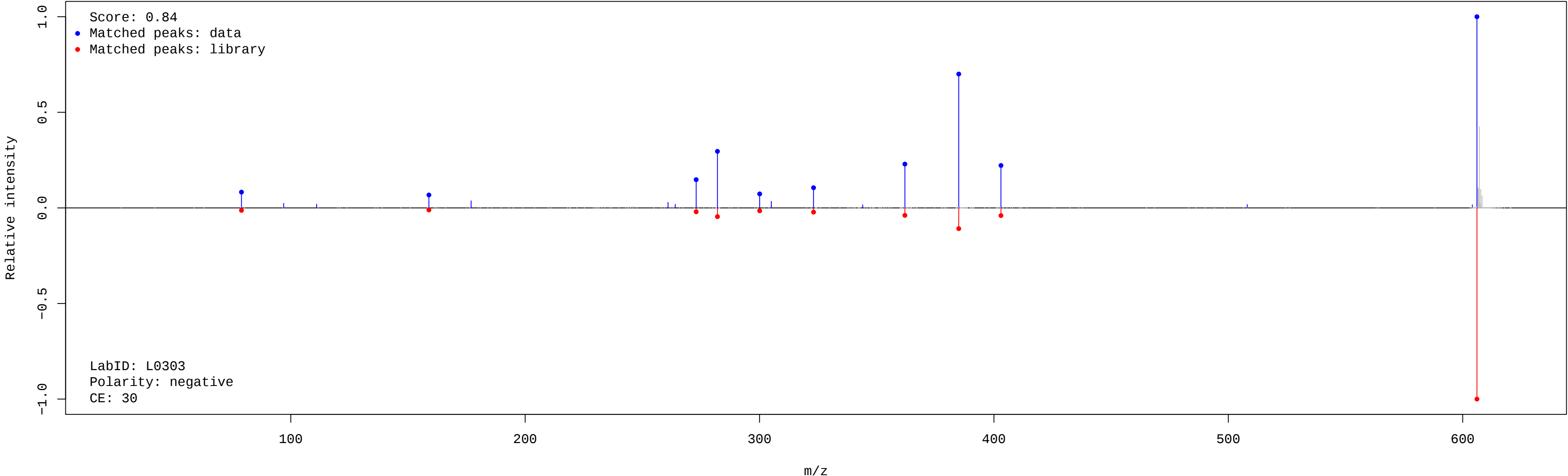
(M-H)-	12.60	Glucosamine-1-p	258.03788	C ₆ H ₁₄ NO ₈ P	259.15102	-0.80	Glycolysis/gluconeogenesis
(M-H)-	12.66	Maltitol	343.12327	C ₁₂ H ₂₄ O ₁₁	344.13187	0.38	Carbohydrate metabolism
(M-H)-	13.00	UDP-GlcNAc	606.07275	C ₁₇ H ₂₇ N ₃ O ₁₇ P ₂	607.08154	0.53	Glycolysis/gluconeogenesis
(M-H)-	13.58	Galactonic acid	195.05072	C ₆ H ₁₂ O ₇	196.15500	-0.61	Galactose metabolism
(M-H)-	13.76	Glucose 1-p	259.02208	C ₆ H ₁₃ O ₁₀ P	276.13518	-0.73	Glycolysis/gluconeogenesis
(M+K-2H)-	13.81	Acetyl phosphate	176.93580	C ₂ H ₅ O ₅ P	139.98746	0.58	Pyruvate metabolism
(M-H)-	14.04	Maltotriose	503.15976	C ₁₈ H ₃₂ O ₁₆	504.16904	0.81	Carbohydrate metabolism
(M-H)-	15.24	Citrate acid	191.01956	C ₆ H ₈ O ₇	192.02699	-0.66	TCA cycle
(M-H)-	16.12	L-Arginine	173.10436	C ₆ H ₁₄ N ₄ O ₂	174.20399	0.61	Amino acid metabolism

^a Abbreviations: MG, 1-Linoleoyl-rac-glycerol; PC, phosphatidylcholine; NAG, N-Acetyl-D-glucosamine; SOPC, 1-Stearoyl-2-oleoyl-sn-glycerol 3-phosphocholine; DOPC, 1,2-dioleoyl-sn-glycero-3-phosphatidylcholine; SHPC, 1-Stearoyl-sn-glycerol 3-phosphocholine; PAF 18:1, 1-O-(cis-9-Octadecenyl)-2-O-acetyl-sn-glycero-3-phosphocholine; 1-OPC, 1-oleoyl-sn-glycero-3-phosphocholine; DMPC, 1-Myristoyl-sn-glycero-3-phosphocholine; LysoPC(16:0), 1-Palmitoyl-sn-glycero-3-phosphocholine; GlcNAc, N,N'-Diacetylchitobiose; LPE 16:0, 1-Palmitoyl-2-hydroxy-sn-glycero-3-phosphoethanolamine; GDL, D-Glucono-1,5-lactone; UMP, Uridine 5'-monophosphate; NAA, N-Acetyl-L-aspartic acid; UDP-GlcNAc, UDP-N-acetyl-glucosamine; Glucosamine-1-p, D-Glucosamine 1-phosphate; Glucose -1-p, D-Glucose 1-phosphate.

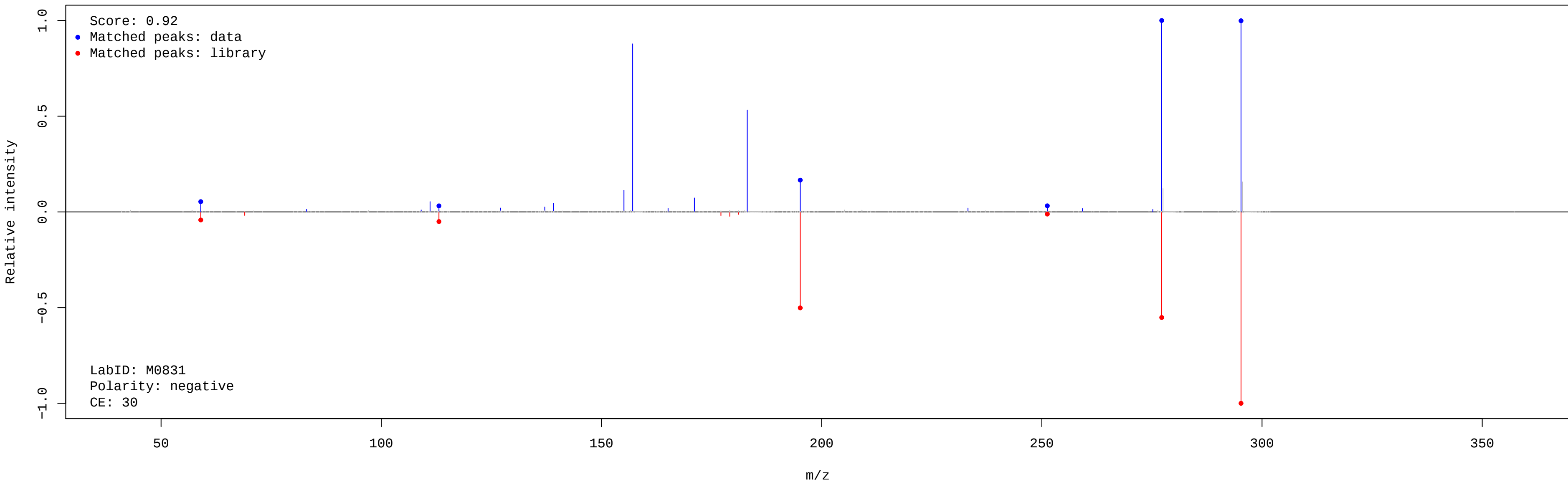
^b FC: fold change, PiCB treatment VS control group.

Figure S2. Mass spectrum of marker metabolites

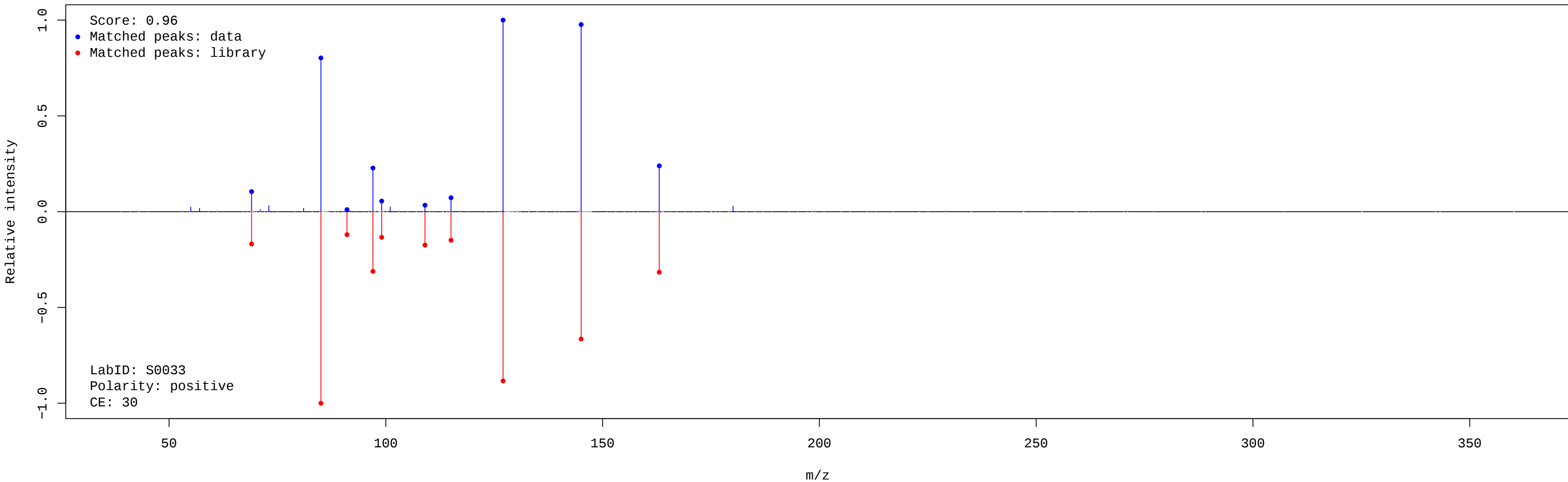
UDP-N-acetylglucosamine



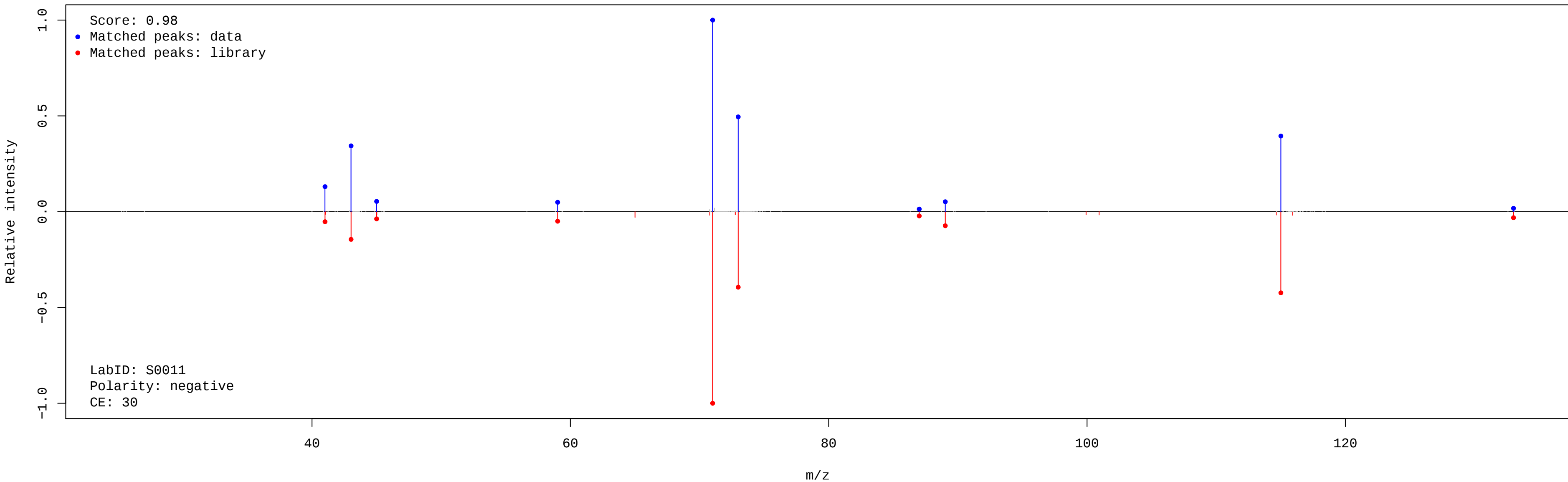
9R,10S-EpOME



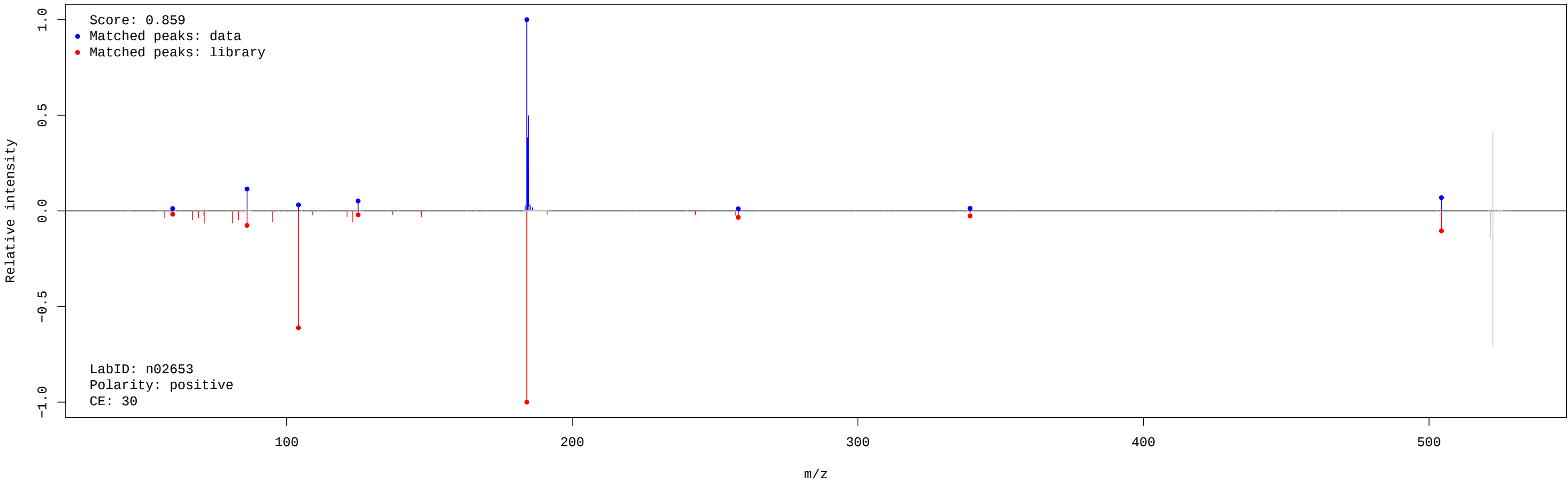
Sucrose



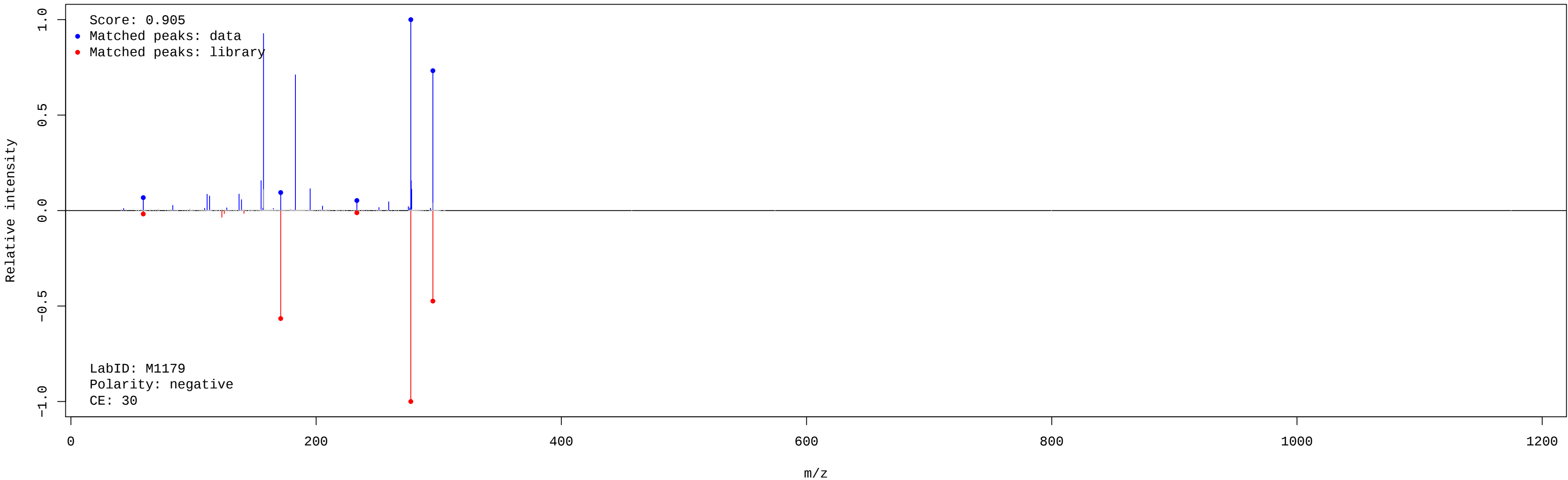
L-Malic acid



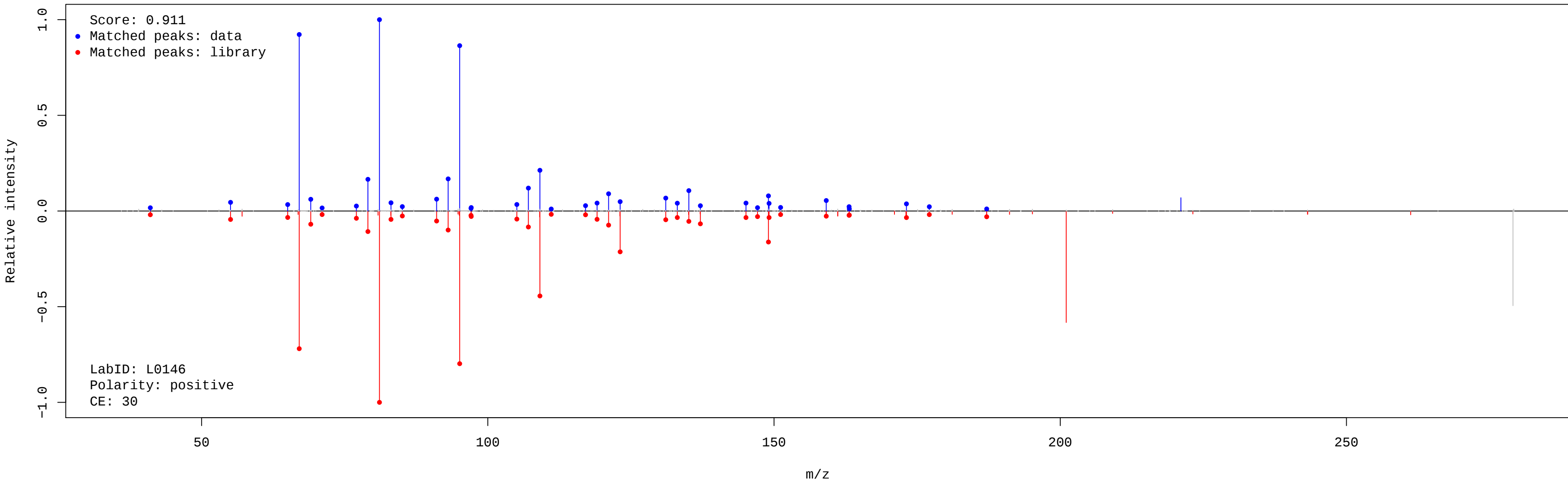
1-Oleoyl-sn-glycero-3-phosphocholine



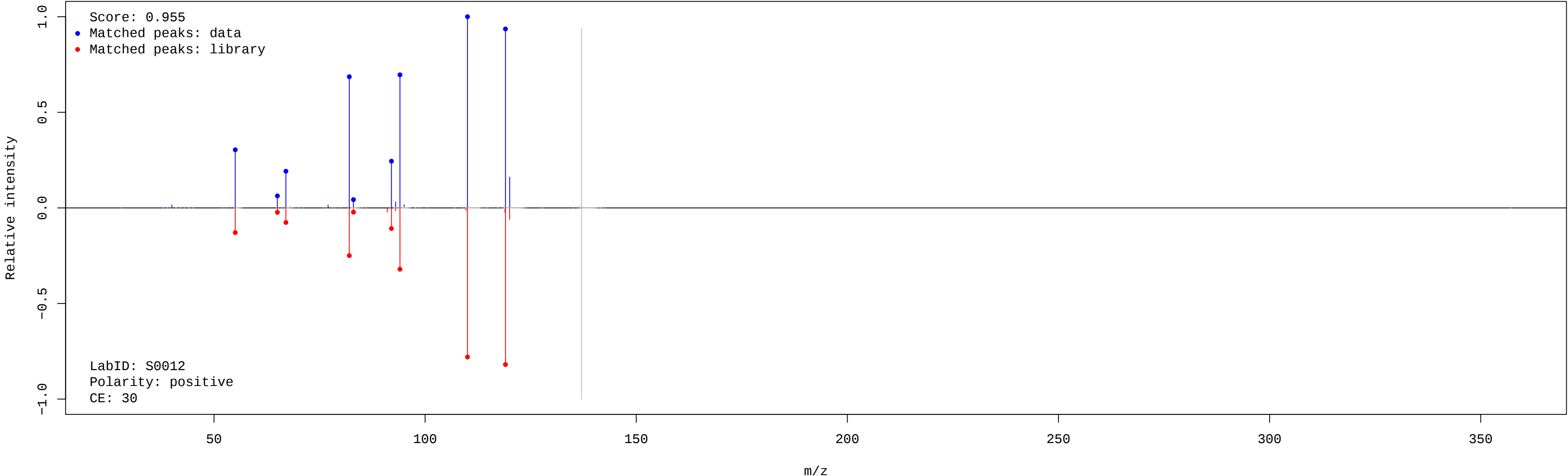
9(S)-HODE



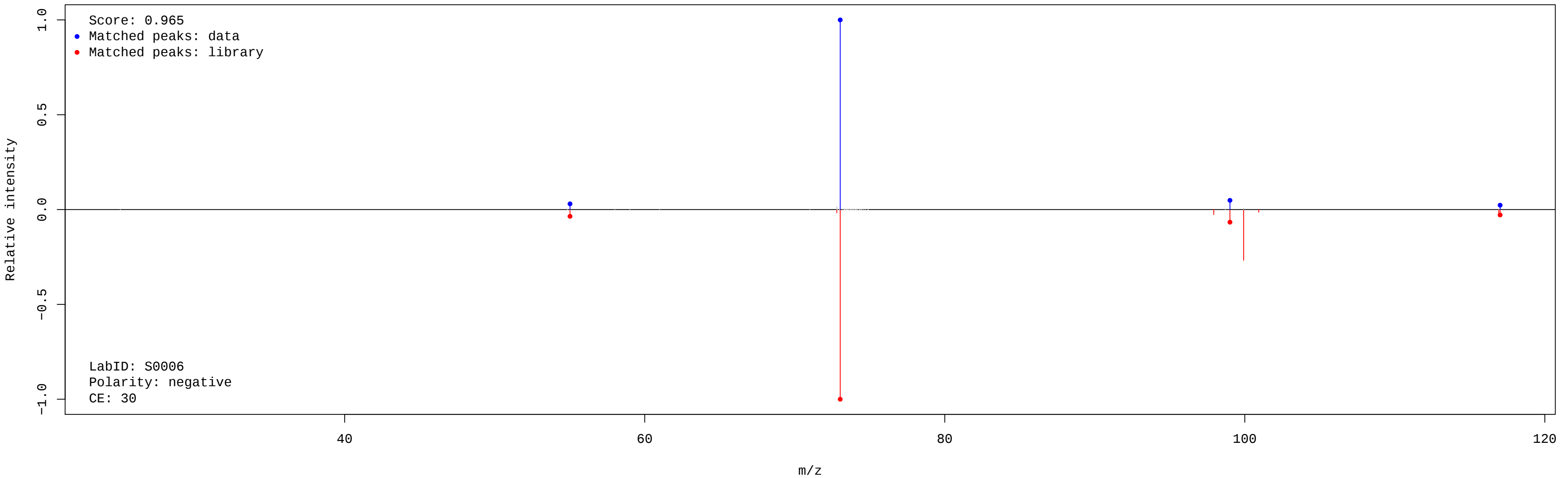
alpha-Linolenic acid



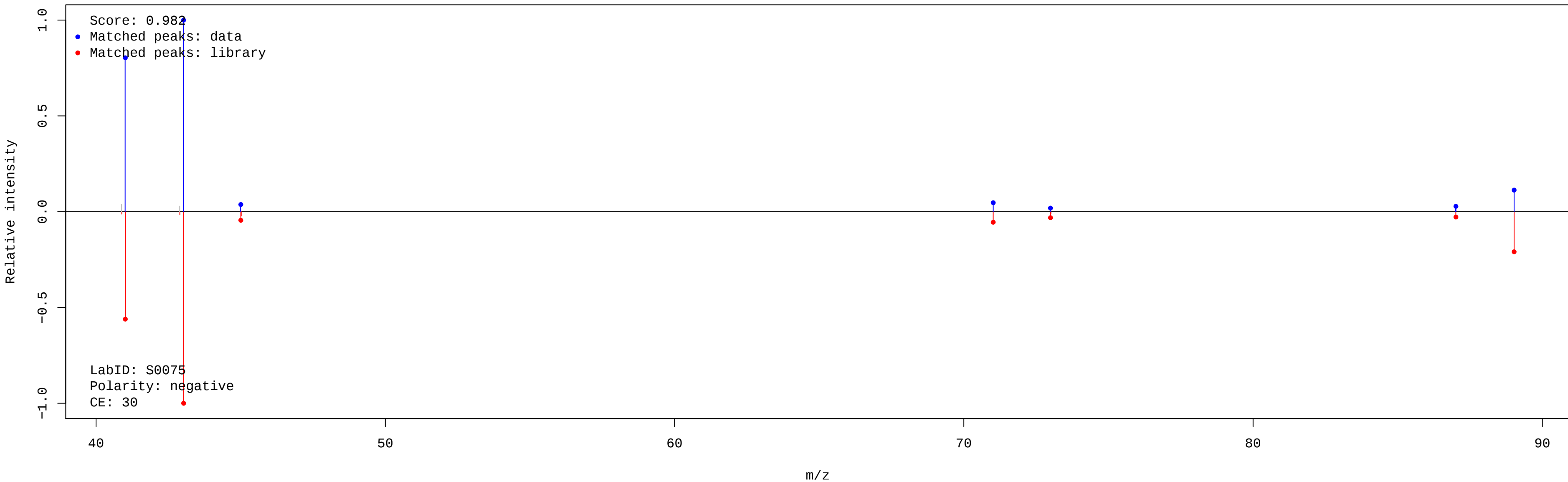
Hypoxanthine



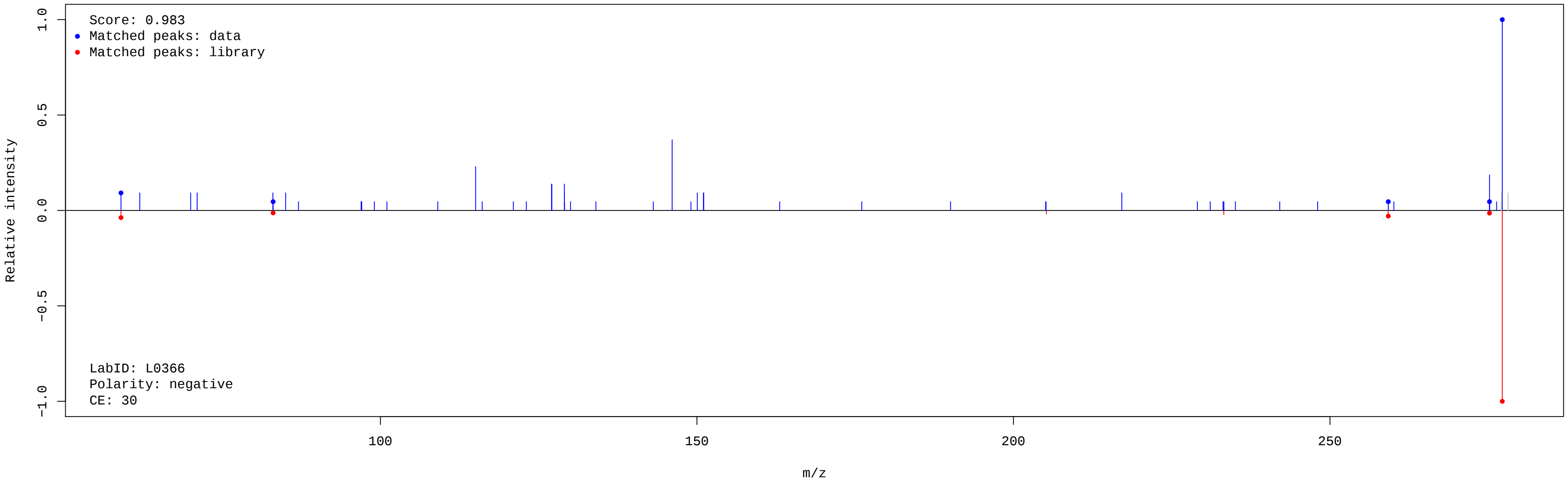
Succinate



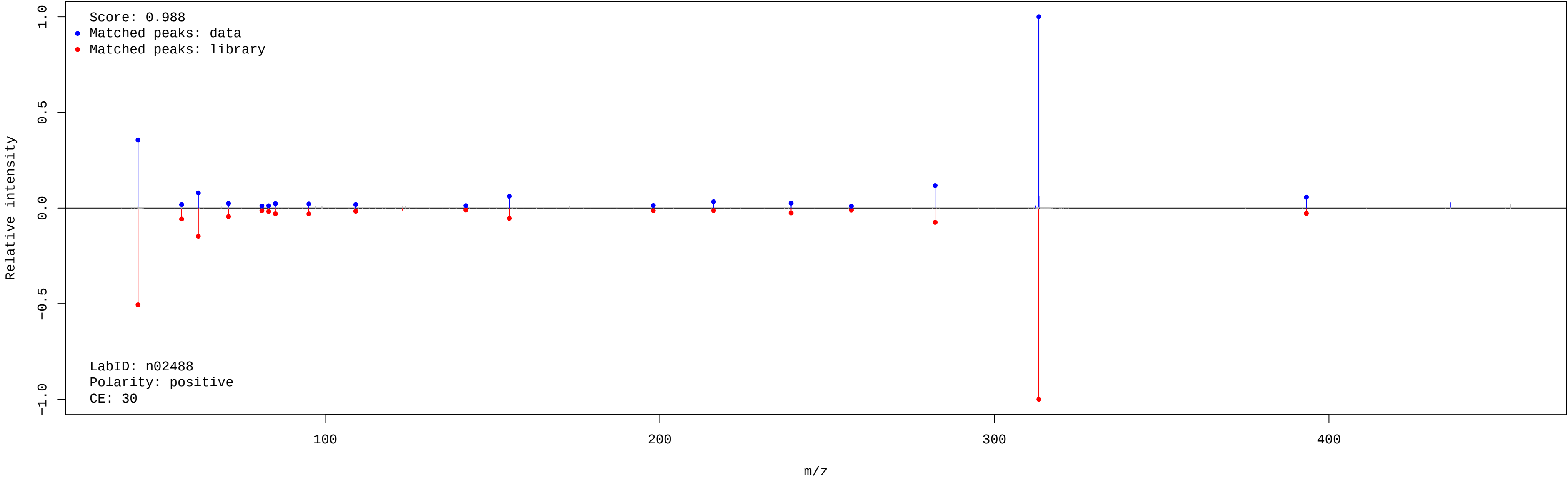
DL-lactate



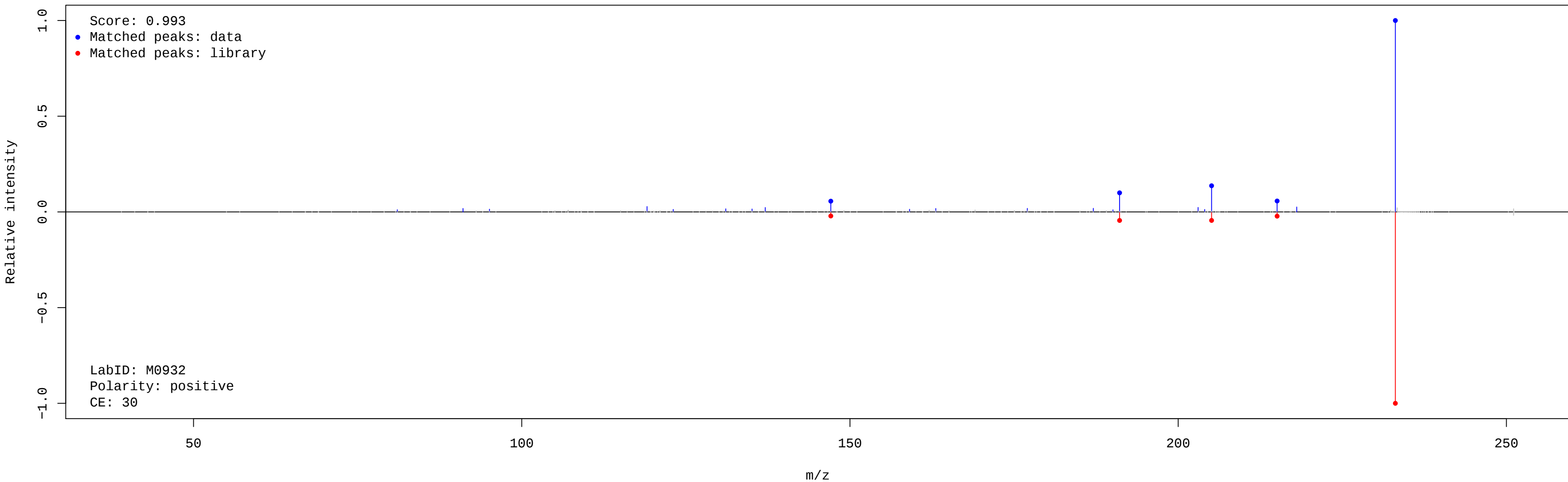
all cis-(6,9,12)-Linolenic acid



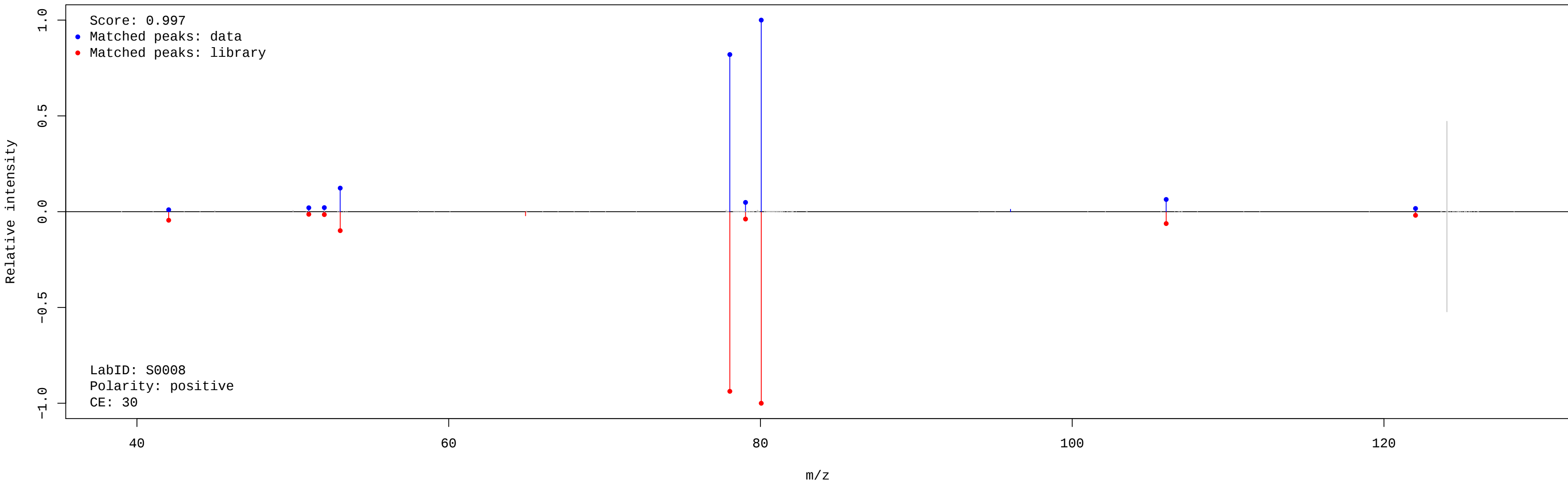
1-Palmitoyl-2-hydroxy-sn-glycero-3-phosphoethanolamine



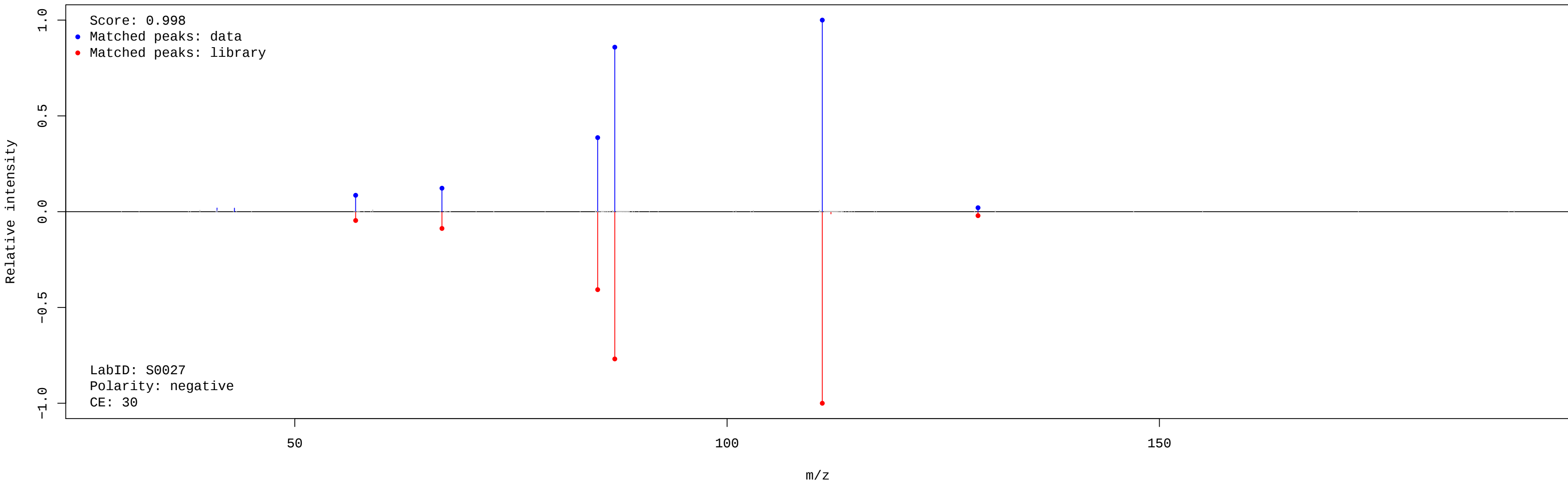
Nname, cis-Vaccenic acid



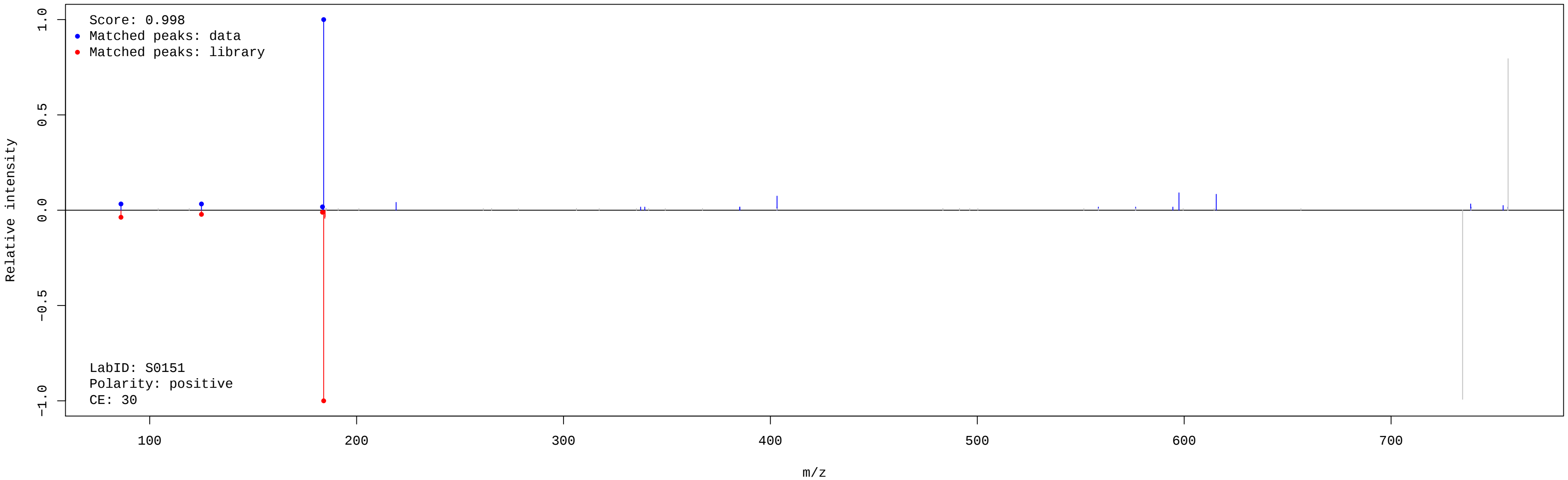
Nicotinate



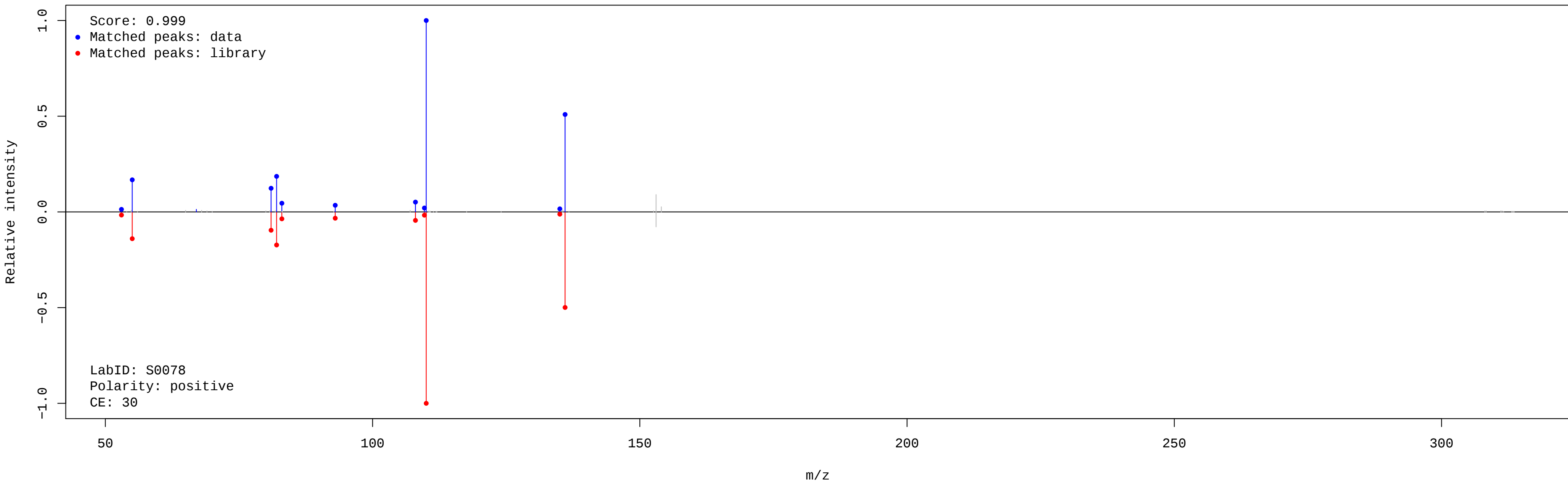
Citrate



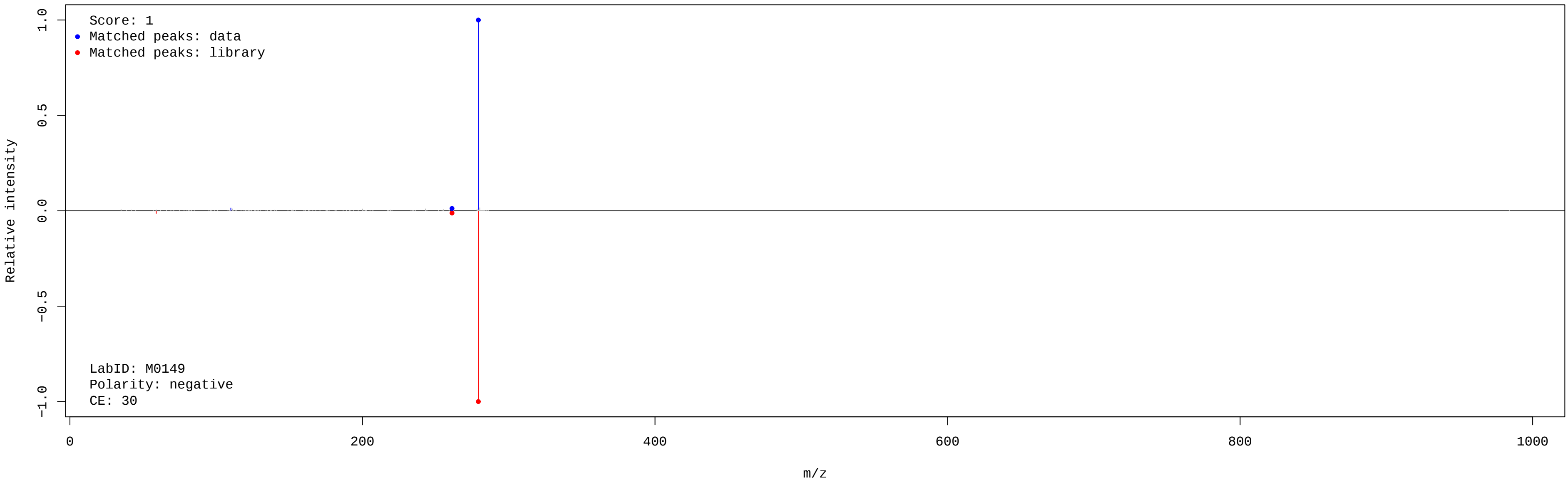
PC(16:0/16:0)



Xanthine



Linoleic acid



Palmitic acid

