Supplemental Material Table S1.
Specific compound-dependent MS parameters for selected reaction monitoring (SRM).

Compounds	Parent ion ([M-H]$^-$) formula	mass	Collision energy (ev)	Preferred product ion formula	mass	Internal standard added (µM)
Glyoxylate	$C_2HO_3^-$	73	10	–CO	45	
Glycolate	$C_2H3O_3^-$	75	10	–CO	47	
Pyruvate	$C_3H_3O_3^-$	87	10	$–CO_2$	43	
Glycerate	$C_3H_5O_4^-$	105	10	$C_2H_3O_3^-$	75	
Succinate	$C_4H_5O_4^-$	117	10	$–CO_2$	73	
Aspartate	$C_4H_6NO_4^-$	132	10	$–CO_2$	88.1	
Malate	$C_4H_5O_5^-$	133	10	$–H_2O$	115	
2-OG	$C_5H_5O_5^-$	145	10	$–CO_2$	100.9	
Glutamate	$C_5H_8NO_4^-$	146	10	$–H_2O$	128	
PEP	$C_3H_4O_6P^-$	167	27	$[PO_3]$ -	79	
GAP/DHAP	$C_3H_6O_6P^-$	169	10	$[H_2PO_4]^-$	97	
G3P	$C_3H_8O_6P^-$	171	27	$[PO_3]$ -	79	
Aconitate	$C_6H_5O_6^-$	173	17	$–2CO_2$	85	
Shikimate	$C_7H_9O_5^-$	173	28	$C_6H_5O^-$	93	
2PGA/3PGA	$C_3H_6O_7P^-$	185	26	$[PO_3]^-$	79	
Citrate	$C_6H_7O_7^-$	191	22	–a	87	
Isocitrate	$C_6H_7O_7^-$	191	28	–a	73	
E4P	$C_4H8O_7P^-$	199	10	$[PO_3]^-$	79	
R5P/X5P/Ru5P	$C_5H_{10}O_8P^-$	229	10	$[H_2PO_4]^-$	97	
G6P/F6P	$C_6H_{12}O_9P^-$	259	22	$[H_2PO_4]^-$	97	
G1P	$C_6H_{12}O_9P^-$	259	31	$[PO_3]^-$	79	
6PG	$C_6H_{12}O_{10}P^-$	275	22	$[PO_3]^-$	79	
S7P	$C_7H_{14}O_{10}P^-$	289	20	$[H_2PO_4]^-$	97	
RuBP	$C_5H_{11}O_{11}P_2^-$	309	22	$[H_2PO_4]^-$	97	
F26BP	$C_6H_{13}O_{12}P_2^-$	339	22	$–[H_3PO_4]$	241	
FBP	$C_6H_{13}O_{12}P_2^-$	339	27	$[H_2PO_4]^-$	97	
AMP	$C_{10}H_{13}N_5O_7P^-$	346.1	21	$[PO_3]^-$	79	
SBP	$C_7H_{15}O_{13}P_2^-$	369	29	$[H_2PO_4]^-$	97	
T6P/S6P	$C_{12}H_{22}O_{14}P^-$	421	41	$[PO_3]^-$	79	
ADP	$C_{10}H_{14}N_5O_{10}P_2^-$	426.1	24	$C_5H_4N_5^-$	134	
ATP	$C_{10}H_{15}N_5O_{13}P_3^-$	506.2	21	$C_{10}H_{12}N_5O_9P_2^-$	408	
UDPG	$C_{15}H_{23}N_2O_{17}P_2^-$	565	28	$C_9H_{12}N_2O_9P^-$	323.1	
ADPG	$C_{16}H_{24}N_5O_{15}P_2^-$	588	28	$C_{10}H_{13}N_5O_7P^-$	346.1	
NAD	$C_{21}H_{26}N_7O_{14}P_2^-$	662.3	22	$C_{15}H_{20}N_5O_{13}P_2^-$	540.1	
NADP	$C_{21}H_{27}N_7O_{17}P_3^-$	742.2	22	$C_{15}H_{20}N_5O_{16}P_3^-$	620.1	
[2,3,3-$^2H_3$]glycerate	$C_3H_2{}^2H_3O_4^-$	108	11	$C_2H_2{}^2H_1O_3^-$	76	1
[2,2,3,3-$^{13}C_4$]succinate	$^{13}C_4H_5O_4^-$	121	10	$–{}^{13}CO_2$	76	1
[2,3,3-$^2H_3$]aspartate	$C_4H_3{}^2H_3NO_4^-$	135	13	$–CO_2$	91	10
[2,3,3-$^2H_3$]malate	$C_4H_2{}^2H_3O_5^-$	136	13	$–H^2HO$	117	20
[2,3,3-$^2H_3$]glutamate	$C_5H_5{}^2H_3NO_4^-$	149	14	$–H^2HO$	130	15
[1,2,3,4-$^{13}C_4$]2-OG	$C^{13}C_4H_5O_5^-$	149	12	$–CO_2$	105	0.75
[1,1,2,3,3-$^2H_5$]G3P	$C_3H_3{}^2H_5O_6P^-$	176	27	$[PO_3]^-$	79	0.5
[6,6-$^2H_5$]G6P	$C_6H_{10}{}^2H_2O_6P^-$	261	22	$[H_2PO_4]^-$	97	1

a The fragmentation pattern is unknown