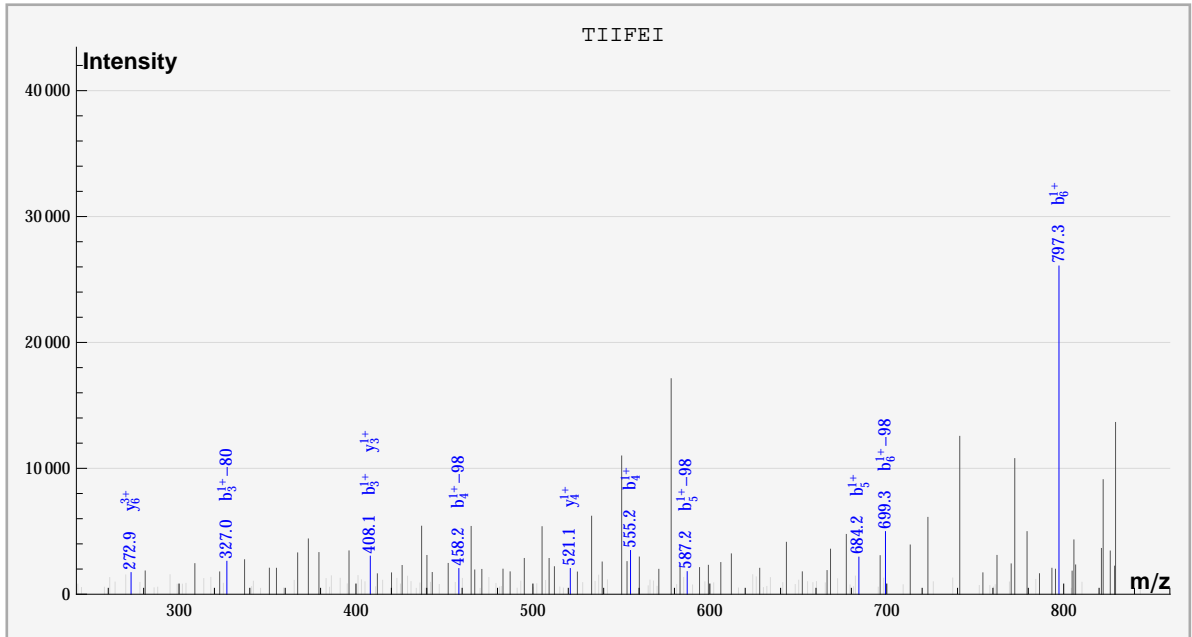
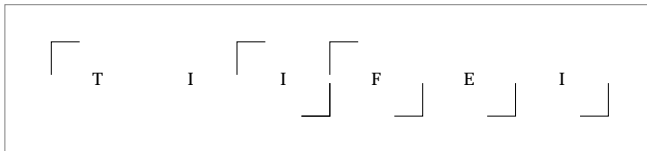


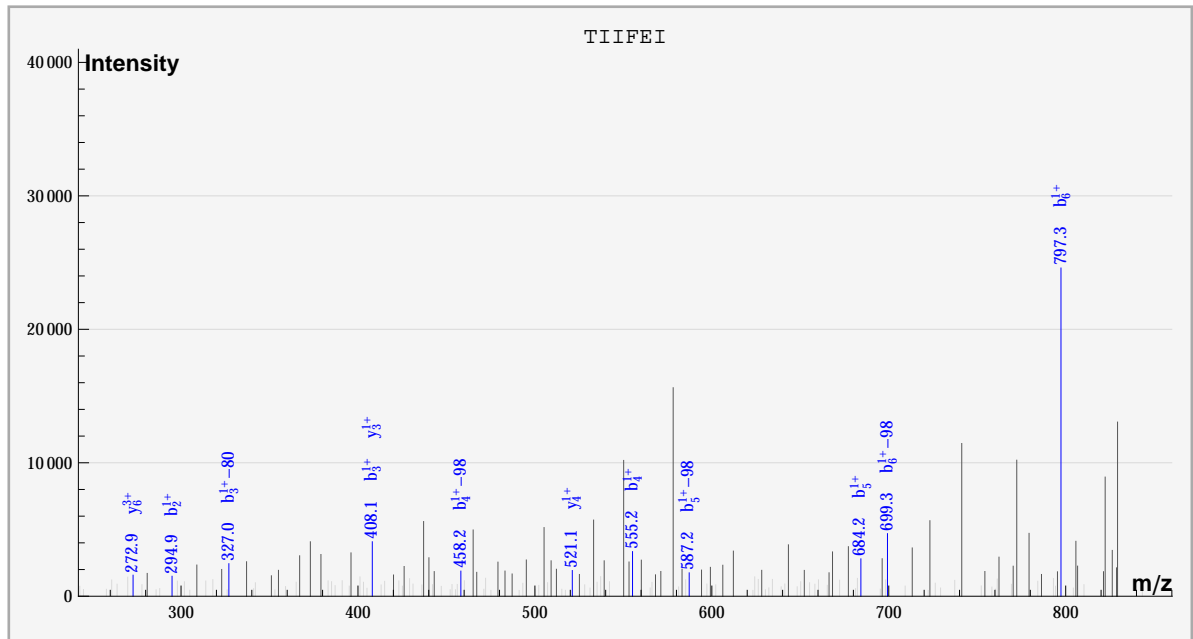
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 6.23724 100. ? 2556.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1101



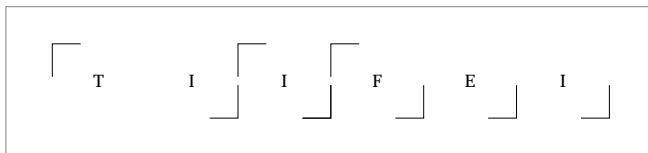
	#	b	b*	#	y	y*	P	P*
T	1						✓	
I	2			5				
I	3	✓	✓	4	✓			
F	4	✓	✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



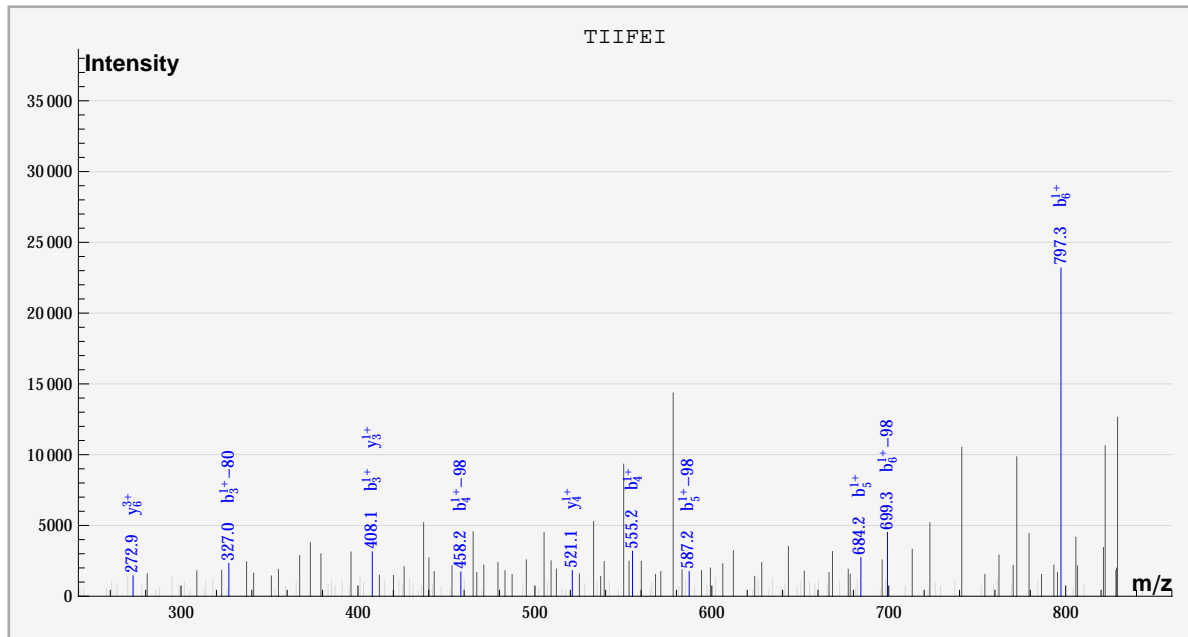
dbValid true TIIIFEI PHOS(1) 1. 817. -1.60499 6.16327 100. ? 2568.  
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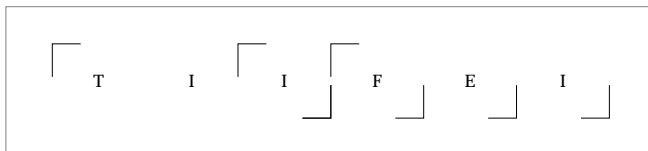
	#	b	b*	#	y	y*	P	P*
T	1						✓	
I	2	✓		5				
I	3	✓	✓	4	✓			
F	4	✓	✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



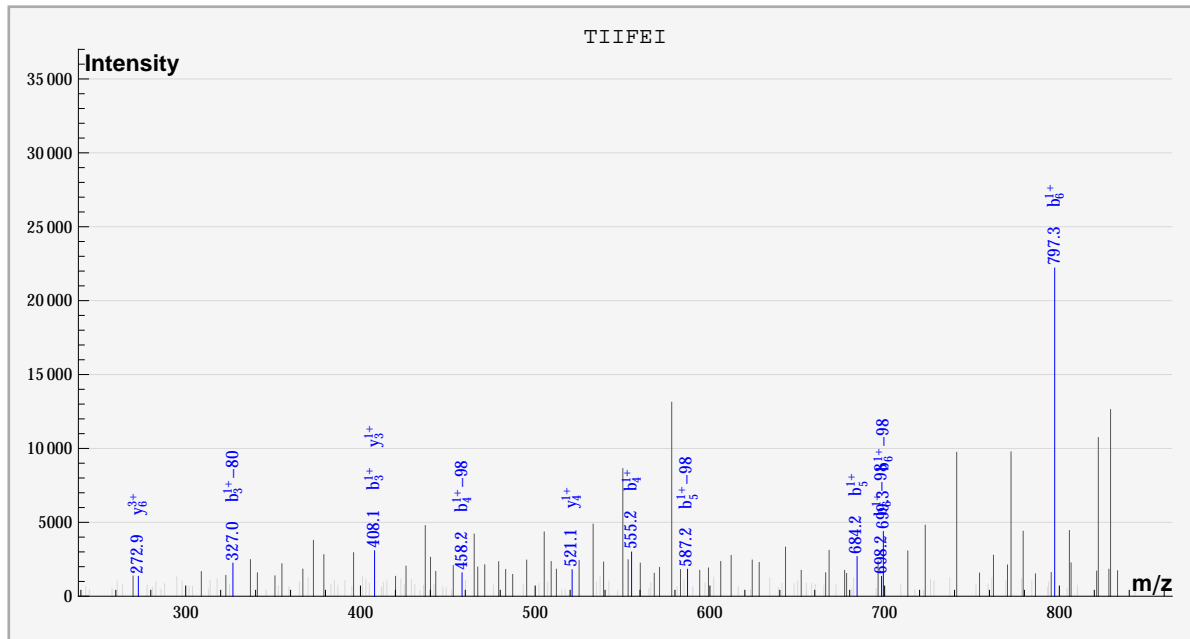
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 6.20973 100. ? 2580.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS::::::%sample\_2%compd\_1121



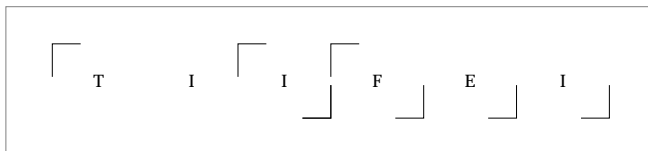
	#	b	b*	#	y	y*	P	P*
T	1						✓	
I	2			5				
I	3	✓	✓	4	✓			
F	4	✓	✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



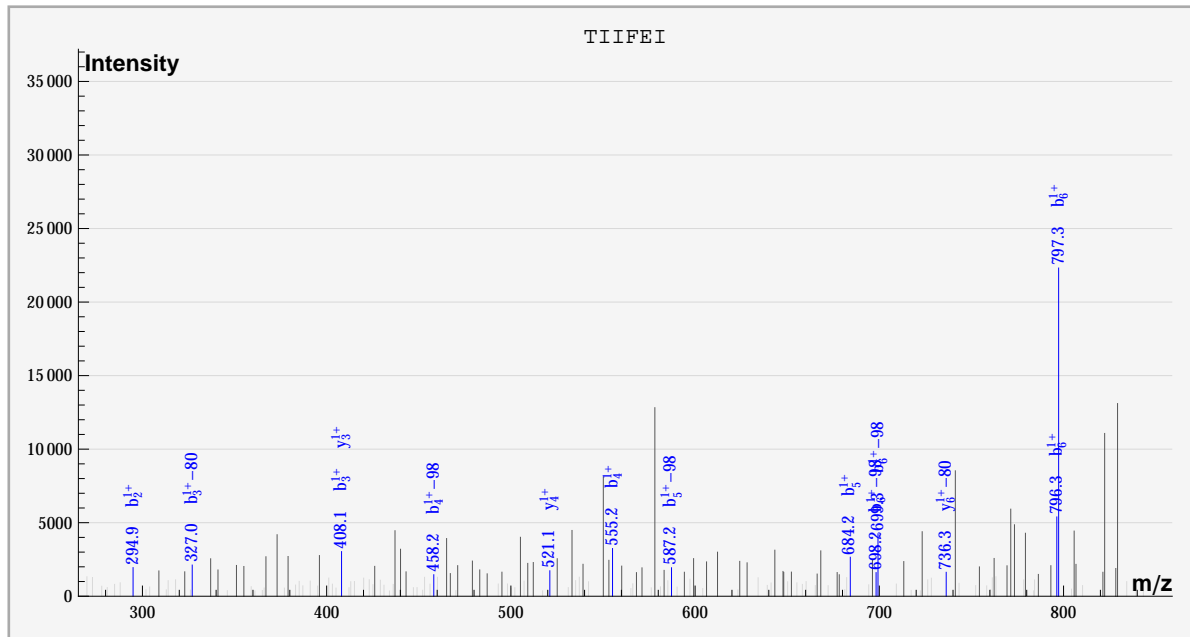
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 6.08561 100. ? 2592.  
 S\_Acido\_new%g|68567491|g|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1131



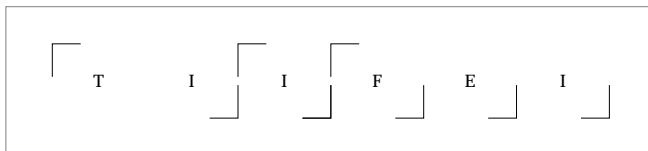
	#	b	b*	#	y	y*	P	P*
T	1						✓	
I	2			5				
I	3	✓	✓	4	✓			
F	4	✓	✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



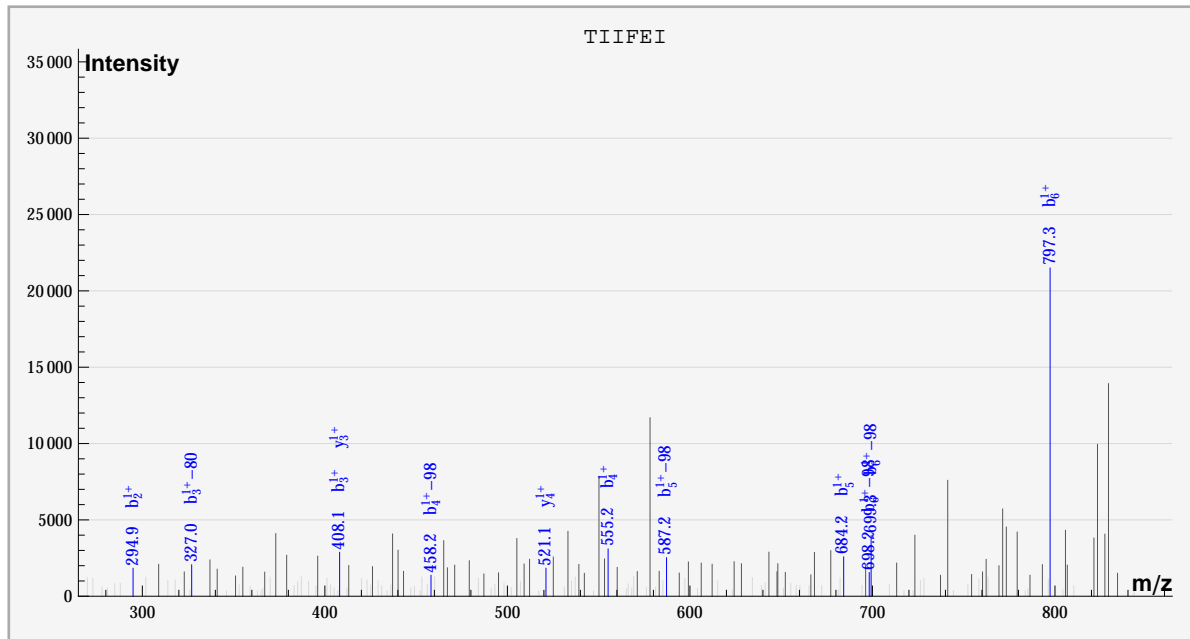
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 6.03468 100. ? 2604.  
 S\_Acido\_new%g|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1141



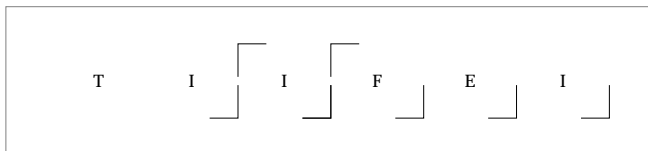
	#	b	b*	#	y	y*	P	P*
T	1							✓
I	2	✓		5				
I	3	✓	✓	4	✓			
F	4	✓	✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



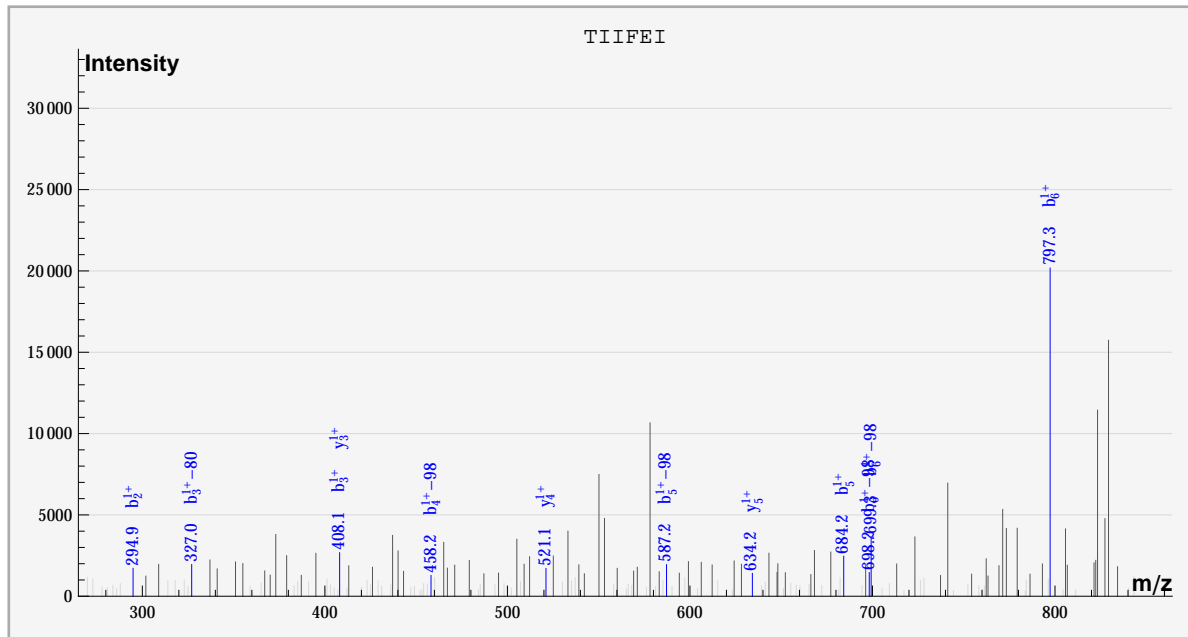
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.65592 100. ? 2616.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1151



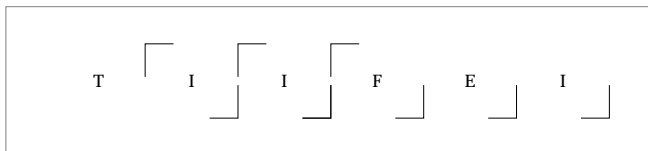
	#	b	b*	#	y	y*	P	P*
T	1							
I	2	✓		5				
I	3	✓	✓	4	✓			
F	4	✓	✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



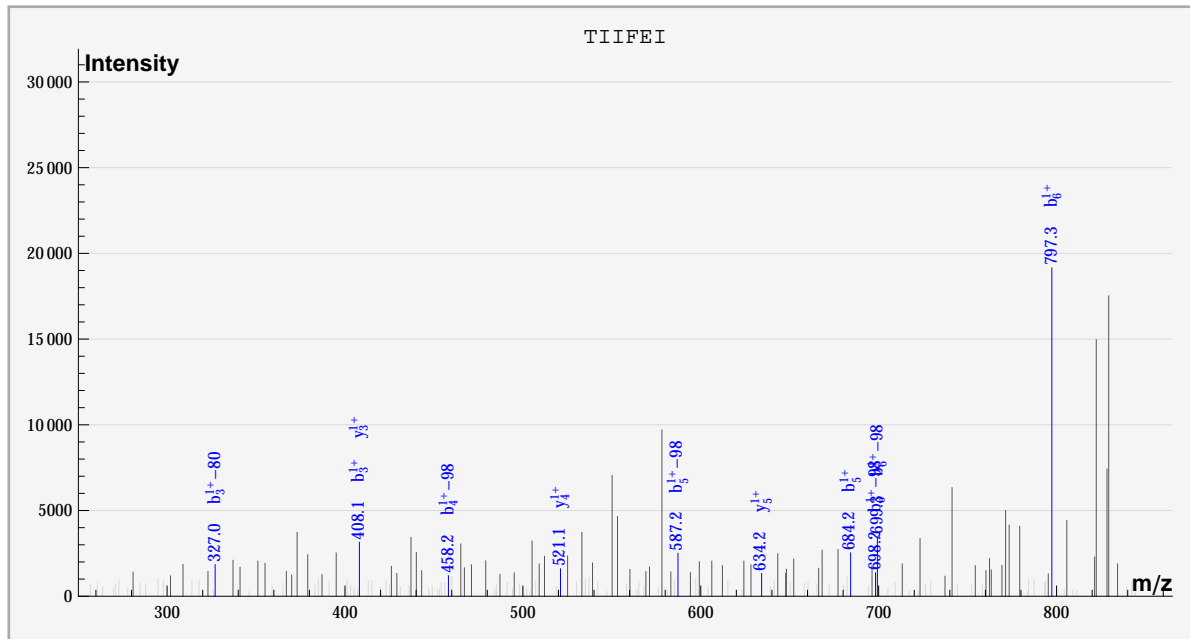
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.19776 100. ? 2628.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1161



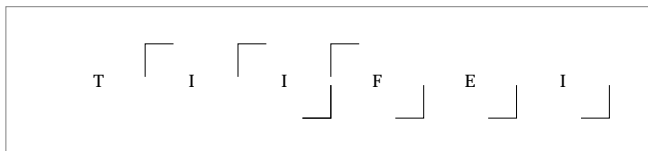
	#	b	b*	#	y	y*	P	P*
T	1							
I	2	✓		5	✓			
I	3	✓	✓	4	✓			
F	4		✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.28696 100. ? 2646.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS::::::%sample\_2%compd\_1171

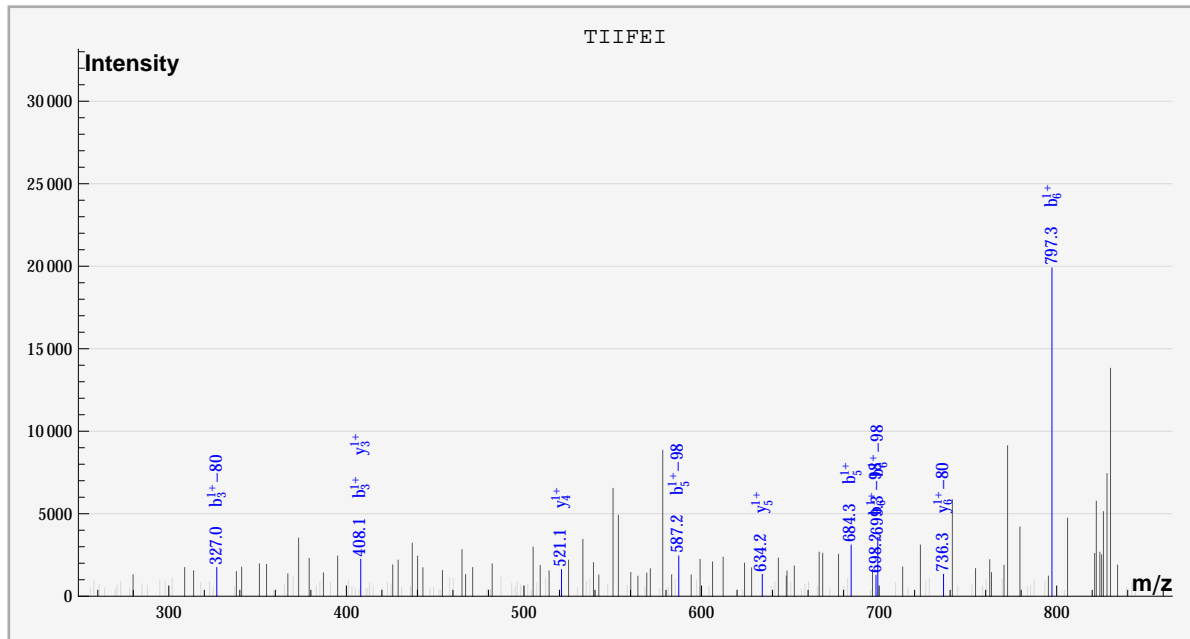


	#	b	b*	#	y	y*	P	P*
T	1							
I	2			5	✓			
I	3	✓	✓	4	✓			
F	4		✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				

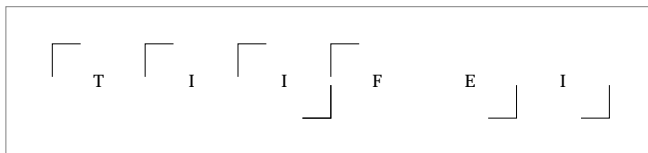




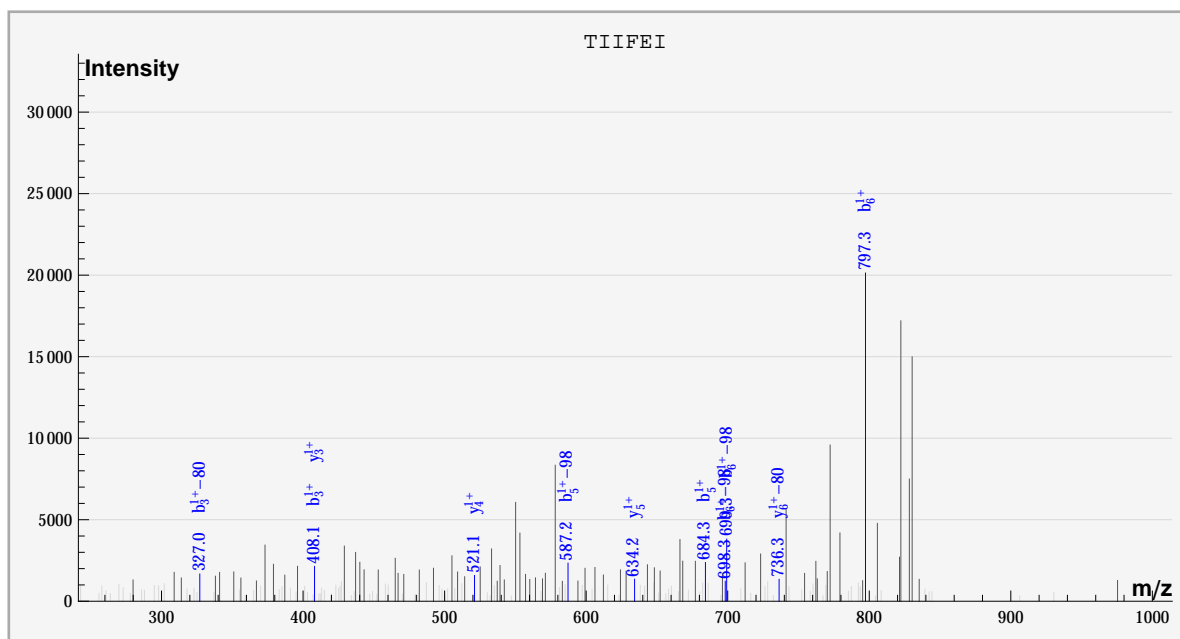
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.47304 100. ? 2658.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:::sample\_2%compd\_1181



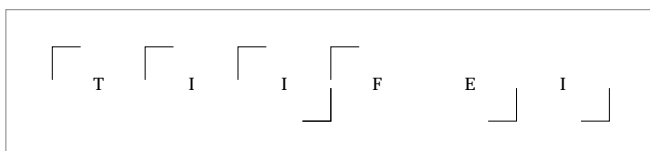
	#	b	b*	#	y	y*	P	P*
T	1							✓
I	2			5		✓		
I	3	✓	✓	4		✓		
F	4			3		✓		
E	5	✓	✓	2				
I	6	✓	✓	1				



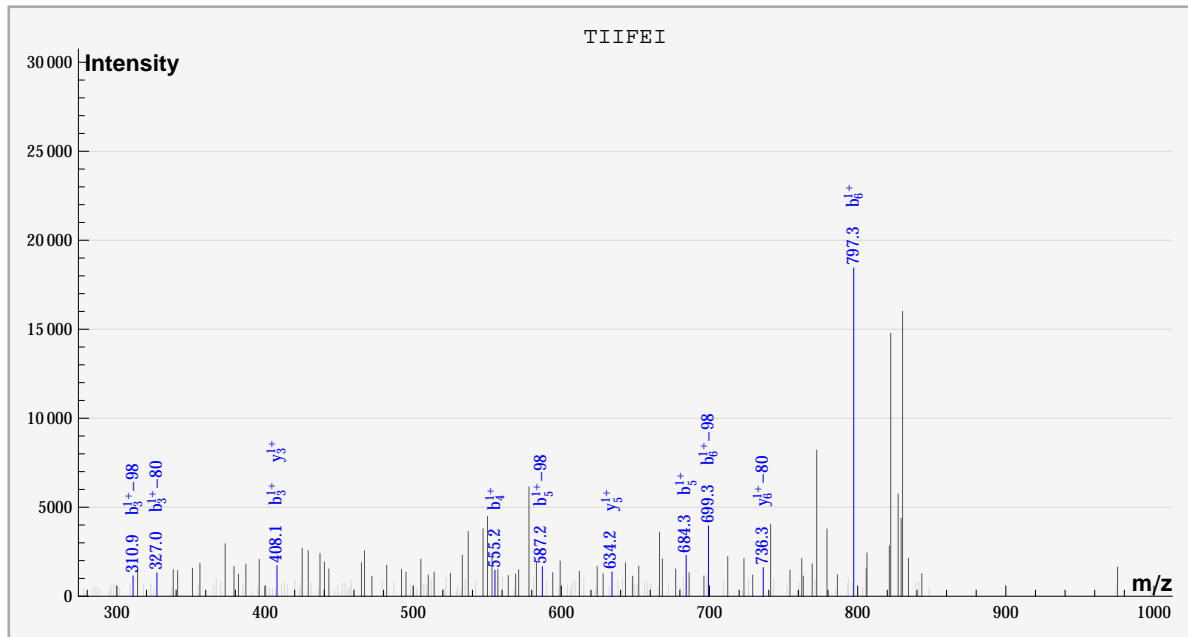
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.23037 100. ? 2664.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:::sample\_2%compd\_1192



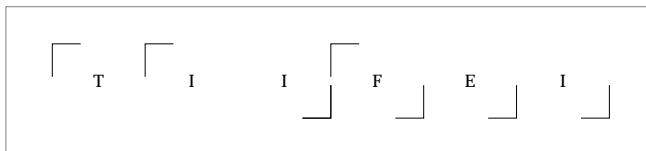
	#	b	b*	#	y	y*	P	P*
T	1							✓
I	2			5	✓			
I	3	✓	✓	4	✓			
F	4			3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



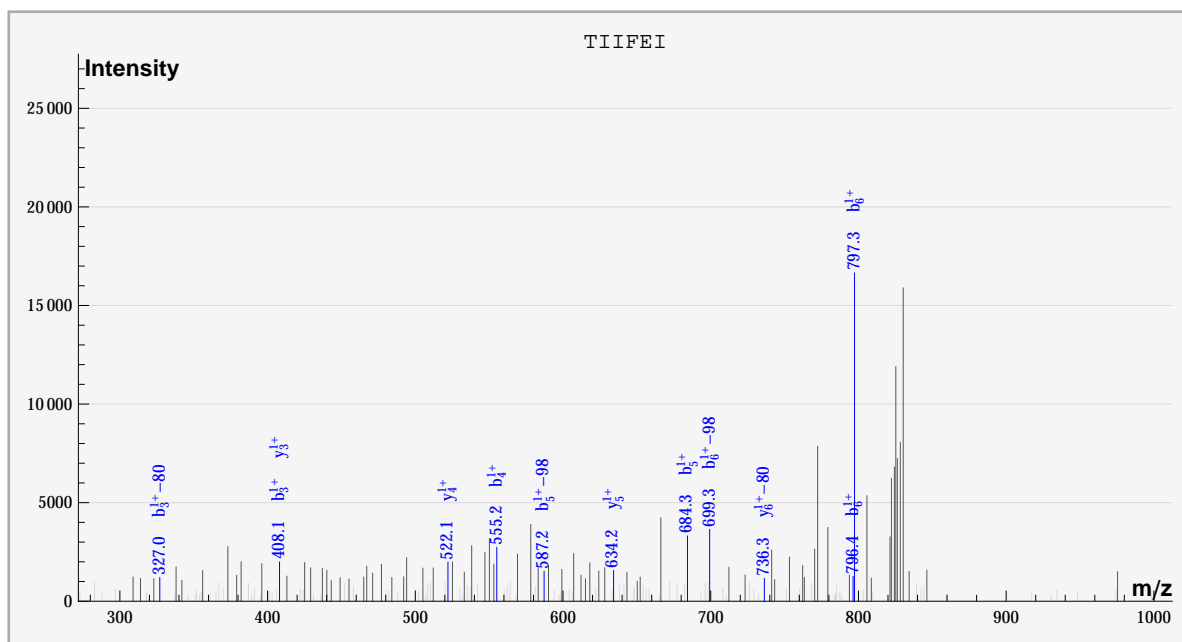
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.5055 100. ? 2712.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1233



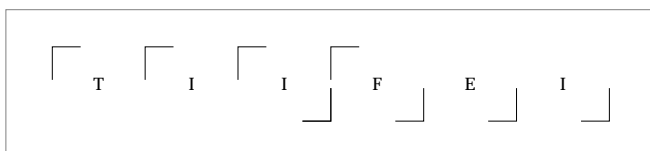
	#	b	b*	#	y	y*	P	P*
T	1							✓
I	2			5	✓			
I	3	✓	✓	4				
F	4	✓		3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



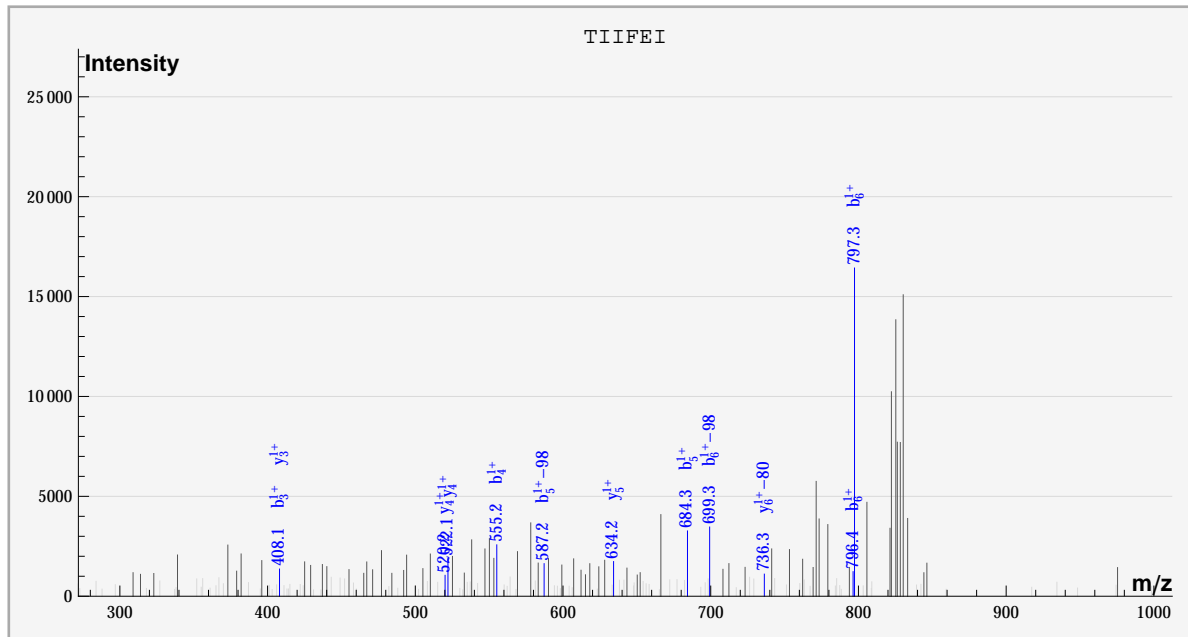
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.27545 100. ? 2784.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1293



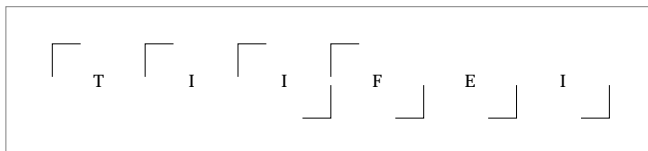
	#	b	b*	#	y	y*	P	P*
T	1							✓
I	2			5		✓		
I	3	✓	✓	4		✓		
F	4	✓		3		✓		
E	5	✓	✓	2				
I	6	✓	✓	1				



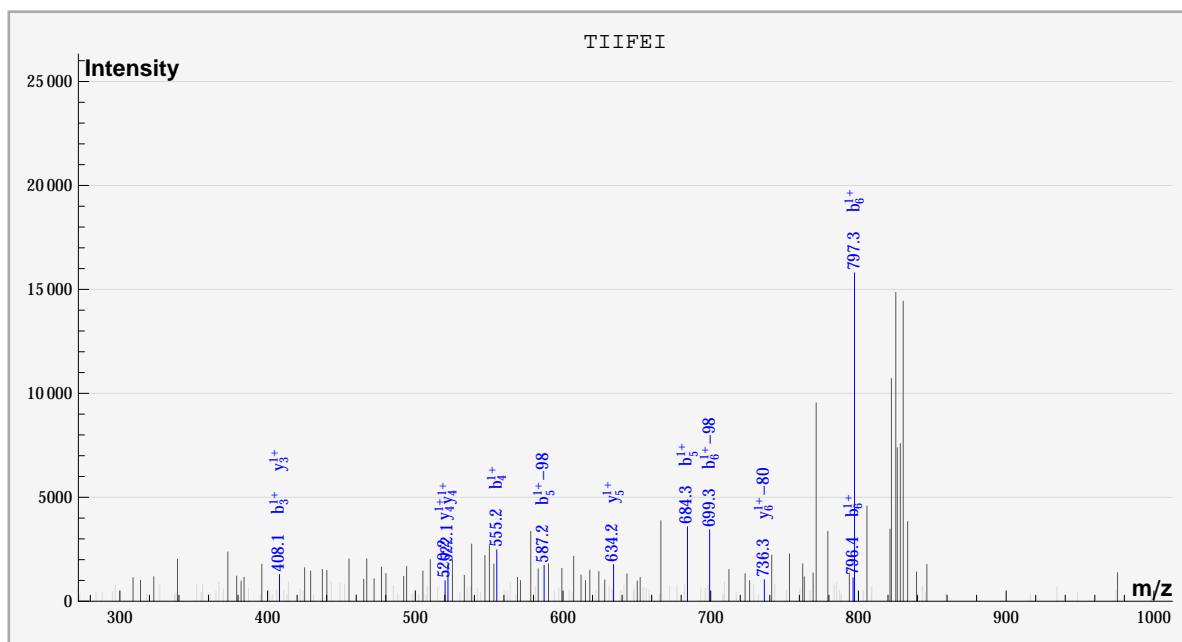
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.4096 100. ? 2796.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1303



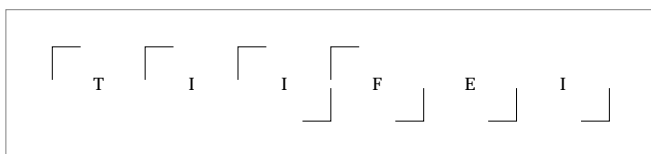
	#	b	b*	#	y	y*	P	P*
T	1							✓
I	2			5	✓			
I	3	✓		4	✓			
F	4	✓		3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



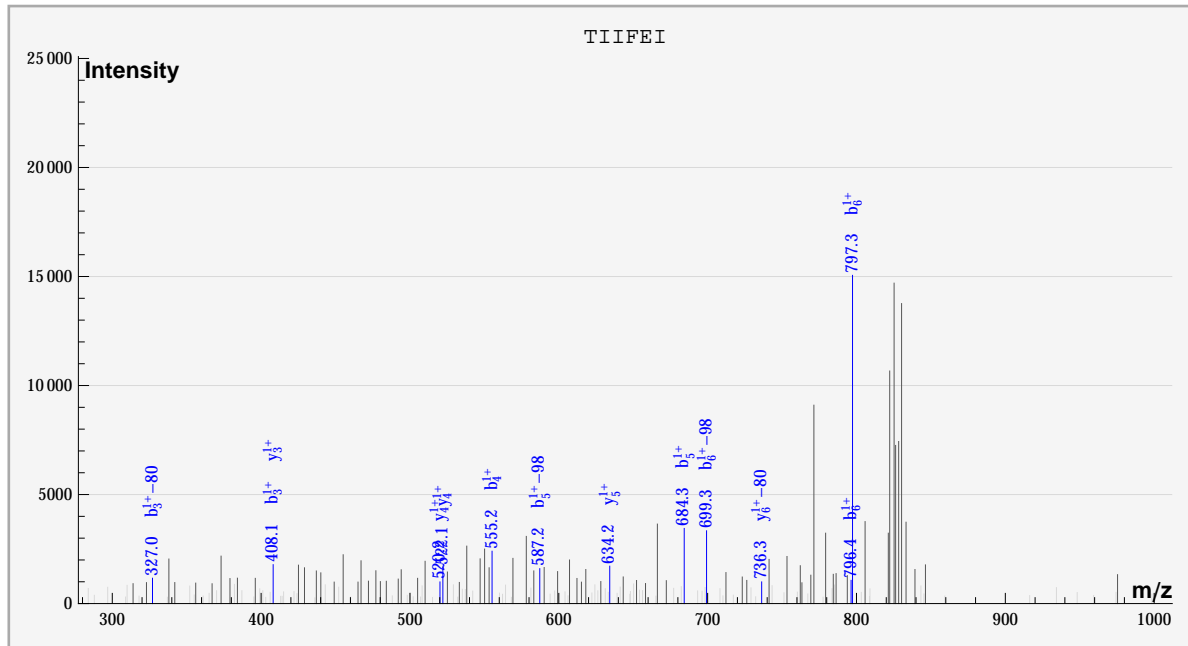
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.73362 100. ? 2808.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1314



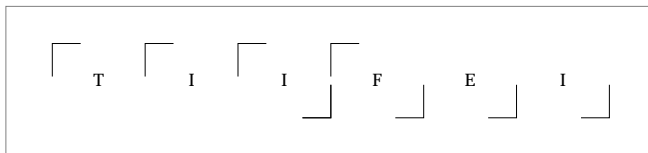
	#	b	b*	#	y	y*	P	P*
T	1							✓
I	2			5	✓			
I	3	✓		4	✓			
F	4	✓		3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



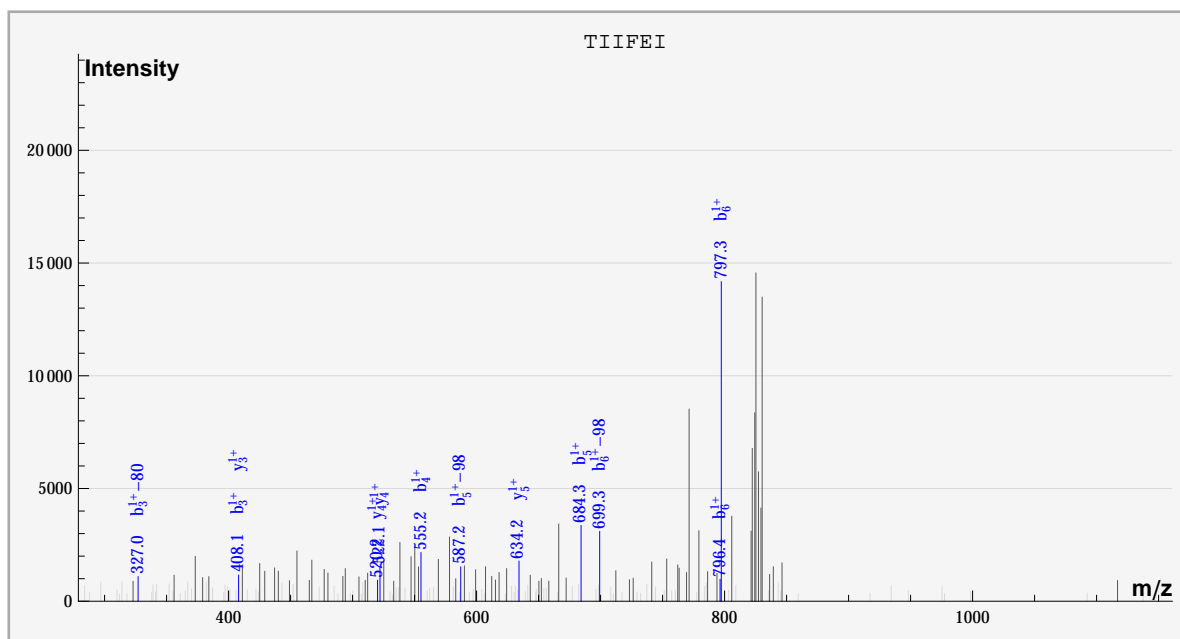
dbValid true TIFEI PHOS(1) 1. 817. -1.60499 5.84674 100. ? 2820.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIFEI%:PHOS:.....%sample\_2%compd\_1324



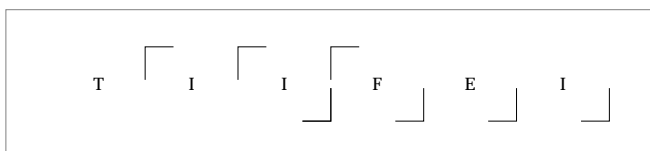
	#	b	b*	#	y	y*	P	P*
T	1							✓
I	2			5	✓			
I	3	✓	✓	4	✓			
F	4	✓		3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.28644 100. ? 2832.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1334

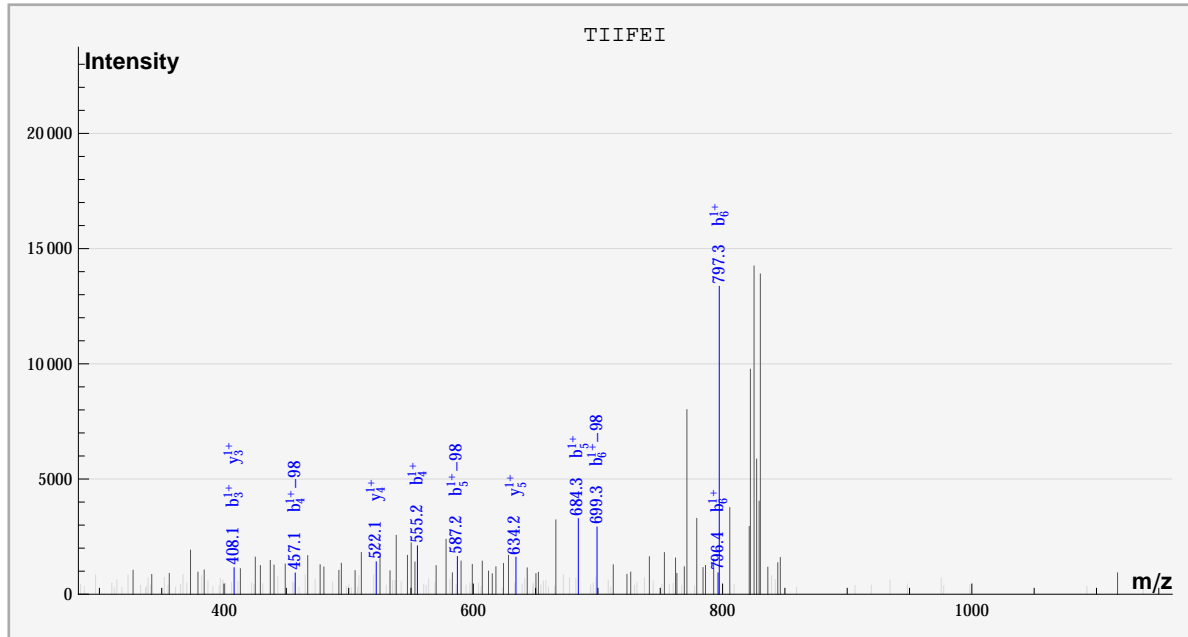


	#	b	b*	#	y	y*	P	P*
T	1							
I	2			5	✓			
I	3	✓	✓	4	✓			
F	4	✓		3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				

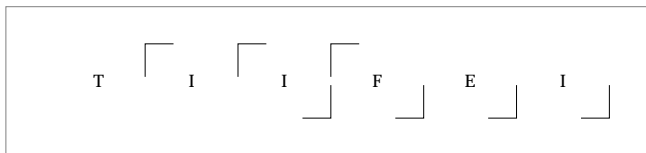




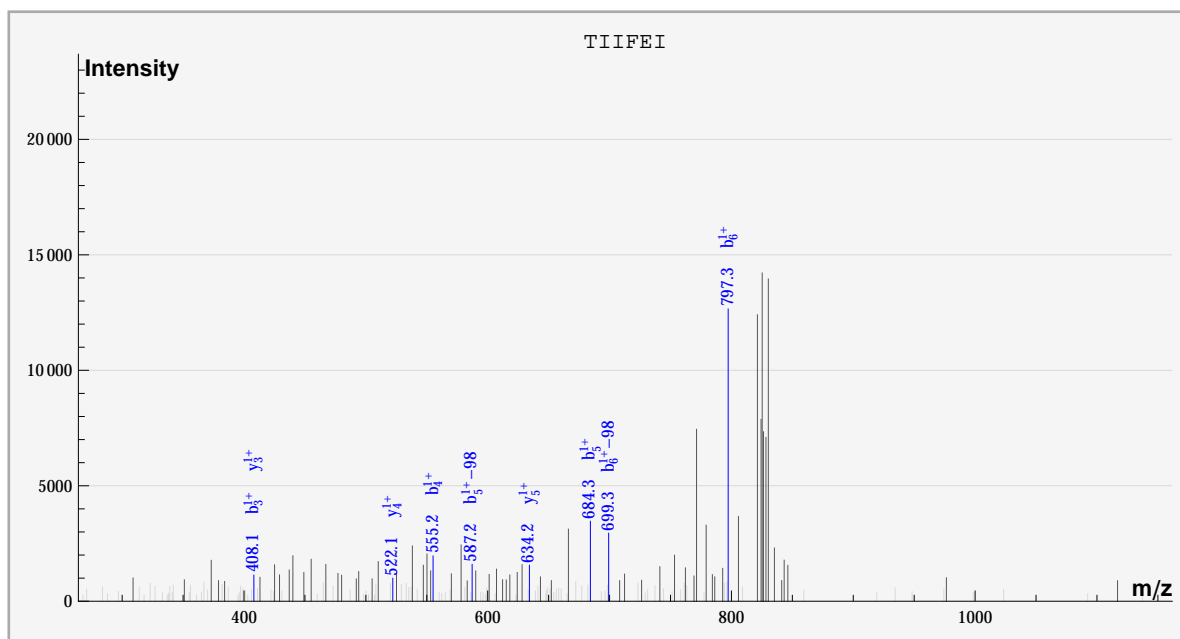
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.16156 100. ? 2844.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1344



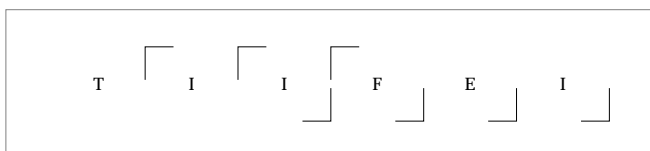
	#	b	b*	#	y	y*	P	P*
T	1							
I	2			5		✓		
I	3	✓		4		✓		
F	4	✓	✓	3		✓		
E	5	✓	✓	2				
I	6	✓	✓	1				



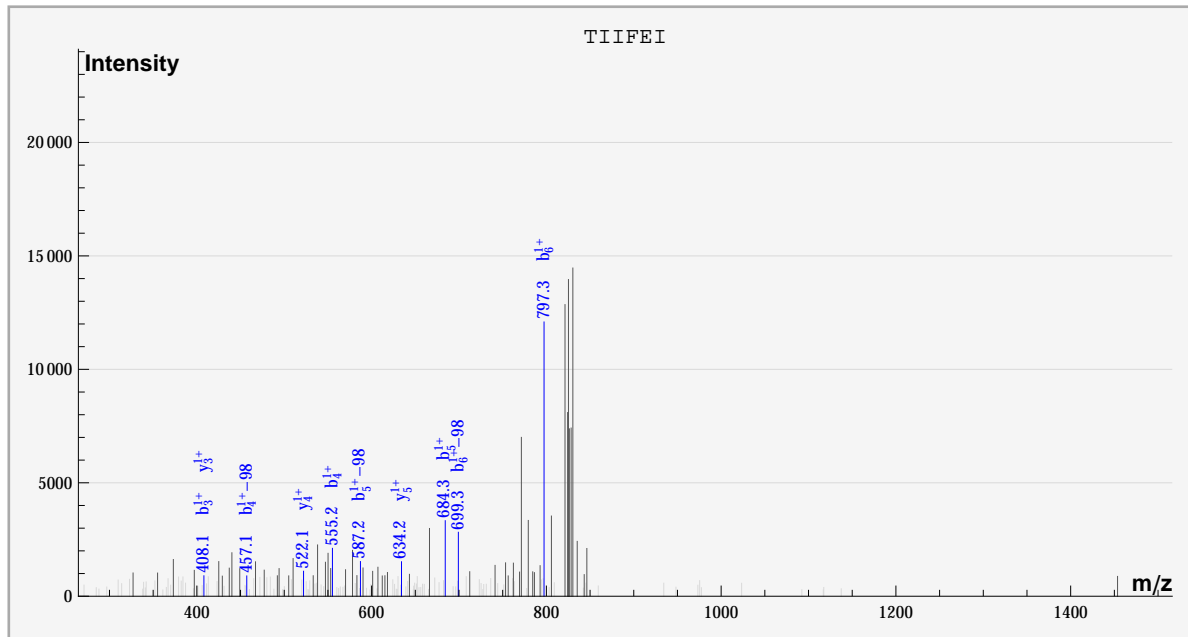
dbValid true TIIFEI PHOS(1) 1. 817. -1.60499 5.21399 100. ? 2856.  
 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:::sample\_2%compd\_1354



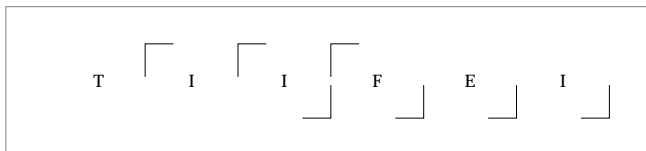
	#	b	b*	#	y	y*	P	P*
T	1							
I	2			5	✓			
I	3	✓		4	✓			
F	4	✓		3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



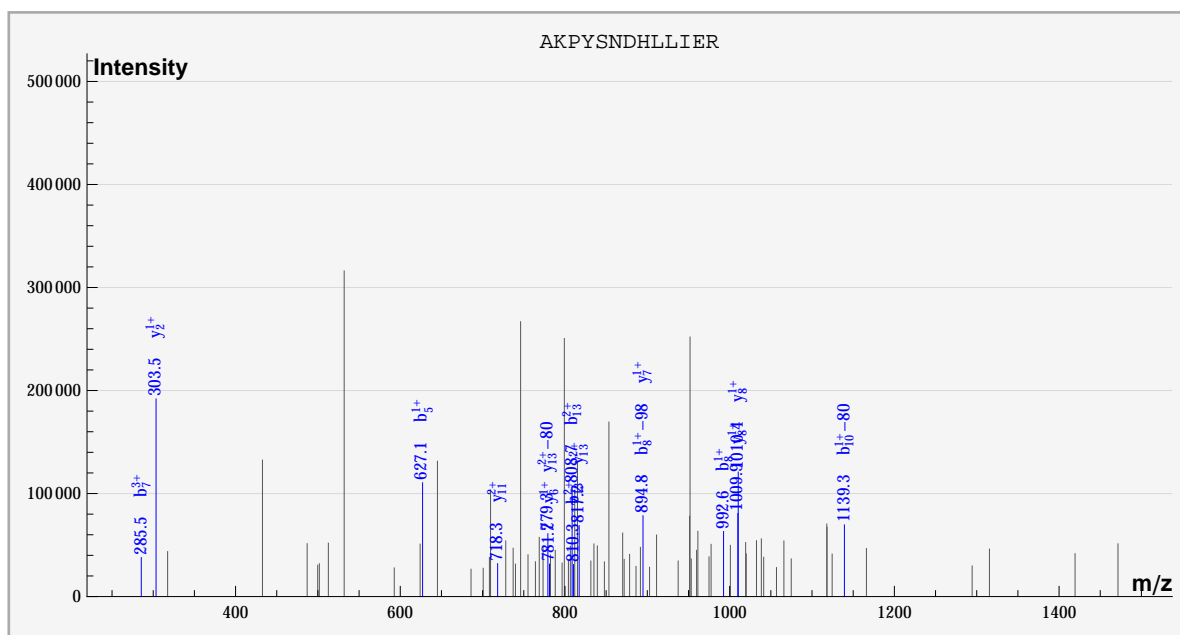
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 S\_Acido\_new%gi|68567491|gb|AAY80420.1| TIIFEI%:PHOS:.....%sample\_2%compd\_1364



	#	b	b*	#	y	y*	P	P*
T	1							
I	2			5	✓			
I	3	✓		4	✓			
F	4	✓	✓	3	✓			
E	5	✓	✓	2				
I	6	✓	✓	1				



dbValid true AKPYSNDHLLIER PHOS(1) 2. 817.98 0.418142 5.26606 100. ? 2970.  
 S\_Acido\_new%gi|68568129|gb|AA81058.1| AKPYSNDHLLIER%:::PHOS:::sample\_1%cmpd\_1693

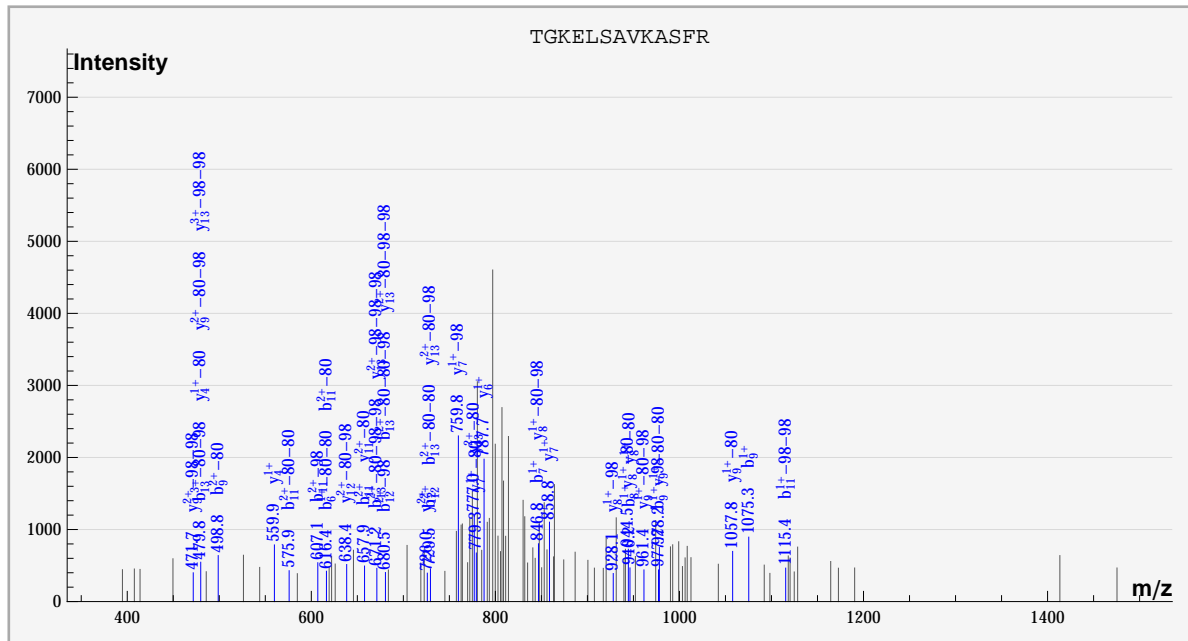


	#	b	b*	#	y	y*	P	P*
A	1						✓	✓
K	2			12				
P	3			11	✓			
Y	4			10				
S	5	✓		9				
N	6			8	✓			
D	7	✓		7	✓			
H	8	✓	✓	6	✓			
L	9			5				
L	10		✓	4				
I	11			3				
E	12			2	✓			
R	13	✓		1				

「 A K 「 P Y S 」 N 「 D 」 H 」 L L 」 I 「 E R 」

dbValid true TGKELSAVKASFR PHOS(3) 2. 819. -1.65702 5.19141 100. ? 3198.

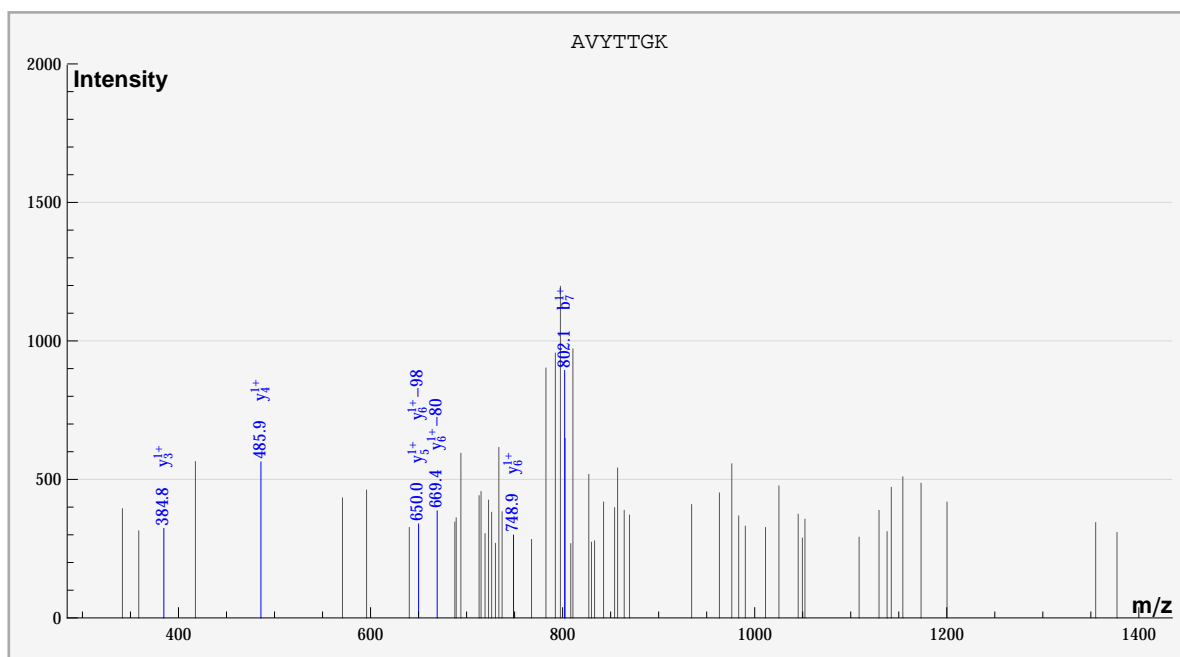
S\_Acido\_new%gi|68567450|gb|AAV80379.1| TGKELSAVKASFR%:PHOS:::PHOS:::PHOS:::sample\_1%compd\_1782



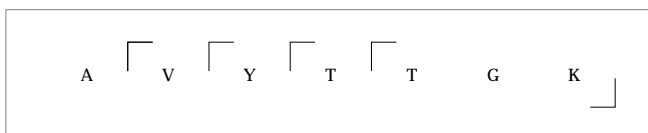
	#	b	b*	#	y	y*	P	P*
T	1							✓
G	2			12	✓	✓		
K	3			11		✓		
E	4			10				
L	5			9		✓		
S	6	✓	✓	8		✓		
A	7	✓		7	✓	✓		
V	8	✓		6	✓			
K	9	✓	✓	5				
A	10			4	✓	✓		
S	11	✓	✓	3				
F	12	✓	✓	2				
R	13		✓	1				

T G K E L S A V K A S F R

dbValid true AVYTTGK PHOS(1) 1. 821. -1.63522 5.36406 100. ? 1956.  
 S\_Acido\_new%gi|68567334|gb|AAY80263.1| AVYTTGK%:::::PHOS:::%sample\_1%compd\_646

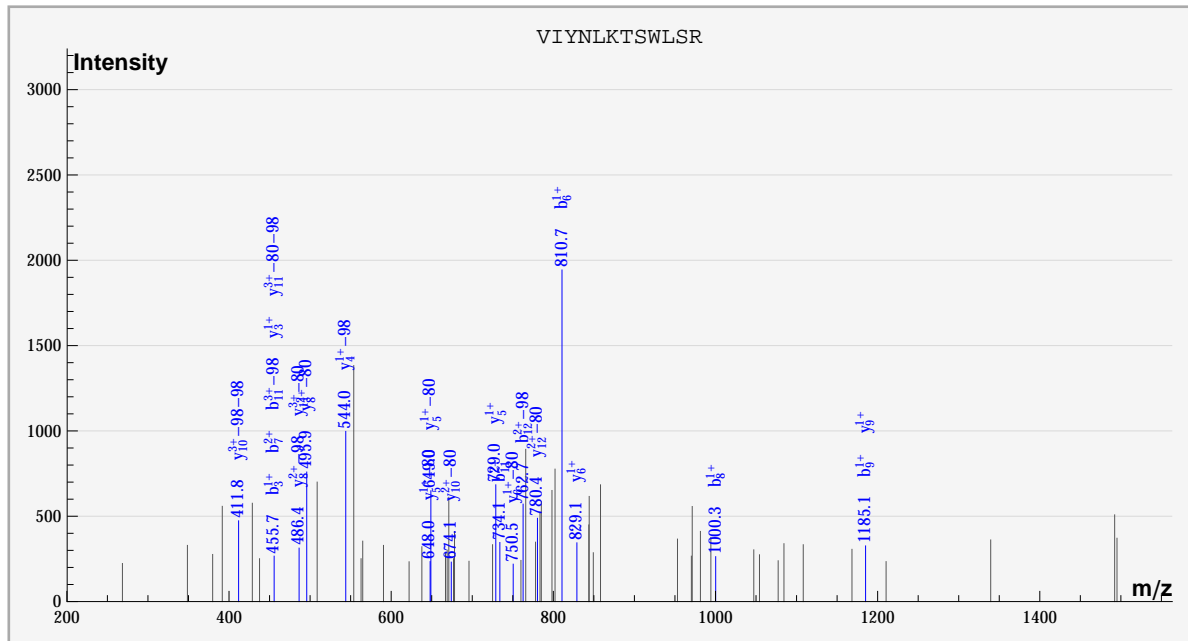


	#	b	b*	#	y	y*	P	P*
A	1							
V	2			6	✓	✓		
Y	3			5	✓			
T	4			4	✓			
T	5			3	✓			
G	6			2				
K	7	✓		1				



dbValid true VIYNLKTWSLSR PHOS(2) 2. 821. -0.614148 5.07663 100. ? 2028.

S\_Acido\_new%gi|68568606|gb|AAY81535.1| VIYNLKTWSLSR%:::PHOS:::PHOS::%sample\_1%compd\_712

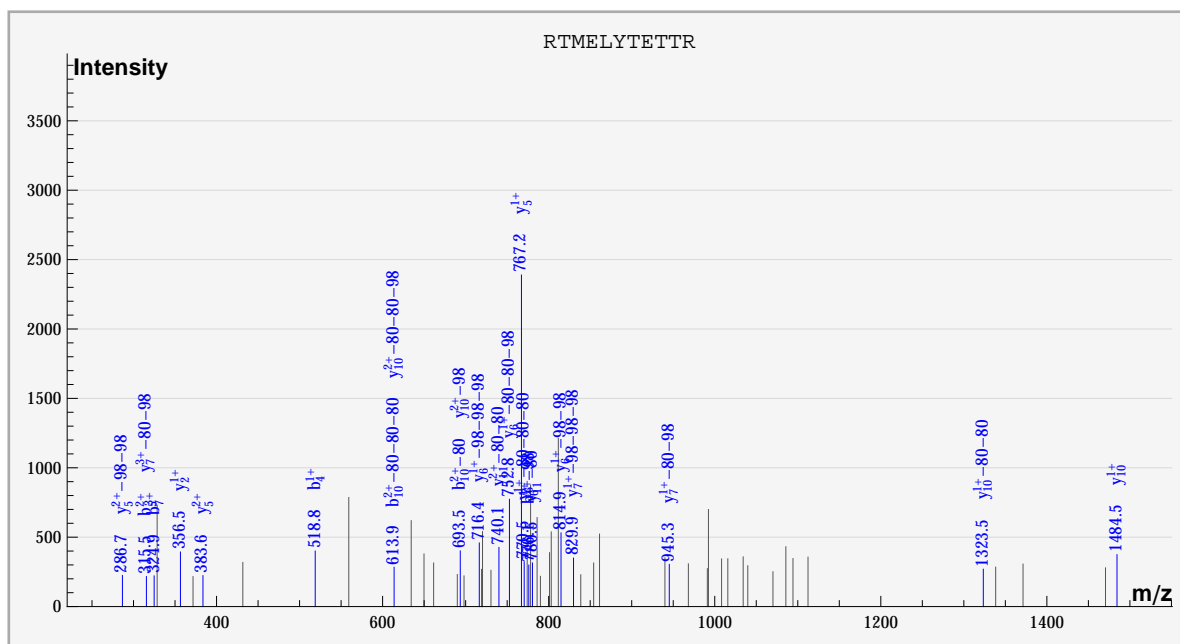


	#	b	b*	#	y	y*	P	P*
V	1							✓
I	2			11		✓		
Y	3	✓		10		✓		
N	4			9	✓			
L	5			8		✓		
K	6	✓		7				
T	7	✓		6	✓	✓		
S	8	✓		5	✓	✓		
W	9	✓		4		✓		
L	10			3	✓			
S	11	✓	✓	2				
R	12		✓	1				

VIYNLKTWSLSR

dbValid true RTMELYTETTR PHOS(3) 2. 822. -1.20498 5.32517 100. ? 2004.

S\_Acido\_new%gi|68567341|gb|AA80270.1| RTMELYTETTR%:::::PHOS:::PHOS:PHOS::%sample\_1%compd\_691

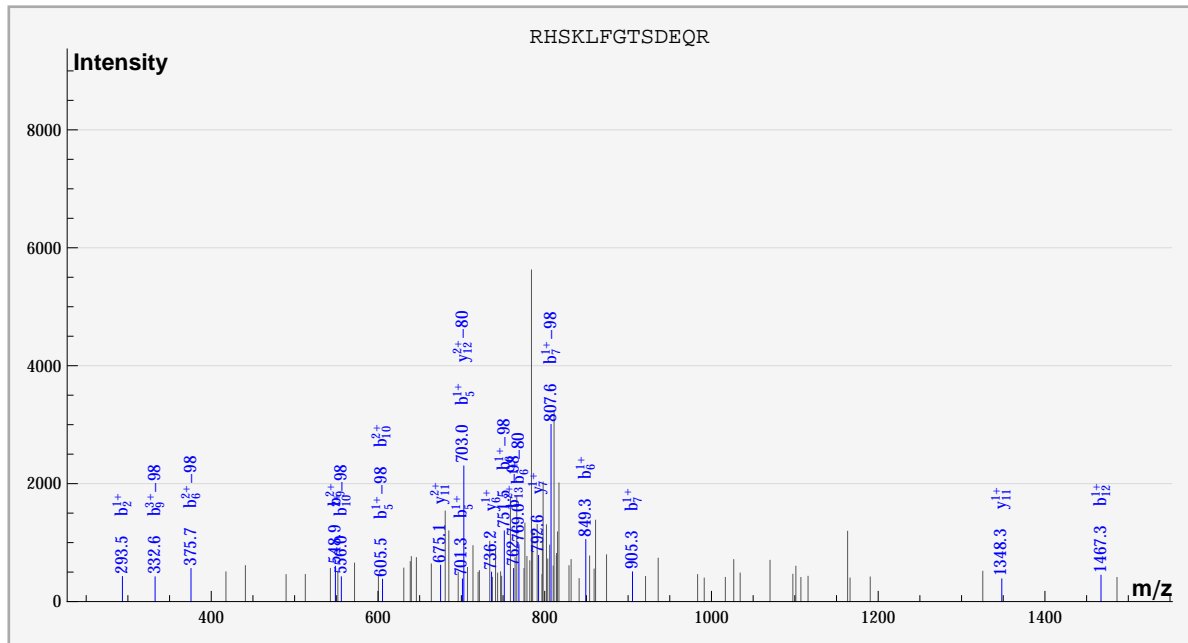


	#	b	b*	#	y	y*	P	P*
R	1							✓
T	2			10	✓	✓		
M	3			9				
E	4	✓		8				
L	5	✓		7		✓		
Y	6		✓	6		✓		
T	7	✓		5	✓	✓		
E	8			4				
T	9			3				
T	10		✓	2	✓			
R	11			1				

RTMELYTETTR



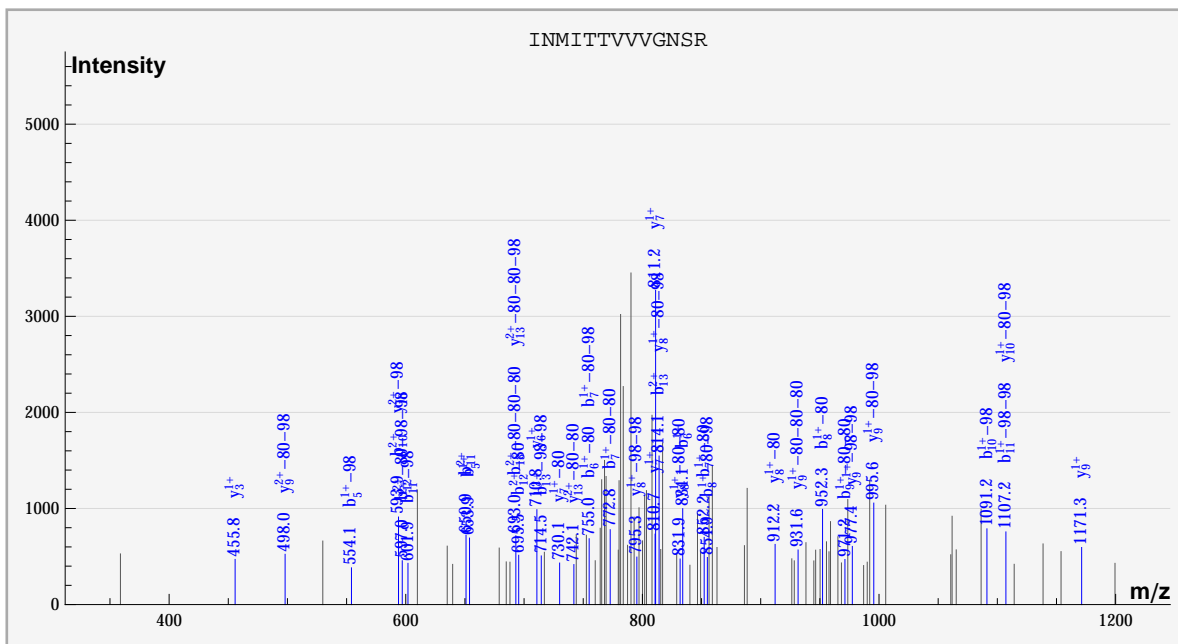
dbValid true RHSKLFGTSDEQR PHOS(1) 2. 822. -1.11935 5.19789 100. ? 2580.  
 S\_Acido\_new%gi|68568342|gb|AAy81271.1| RHSKLFGTSDEQR%:::PHOS:::sample\_1%compd\_1211



	#	b	b*	#	y	y*	P	P*
R	1							
H	2	✓		12		✓		
S	3			11	✓			
K	4			10				
L	5	✓	✓	9				
F	6	✓	✓	8				
G	7	✓	✓	7	✓			
T	8			6	✓			
S	9	✓	✓	5				
D	10	✓	✓	4				
E	11			3				
Q	12	✓		2				
R	13		✓	1				

R [ H ] S K L ] F ] G ] T S ] D ] E Q ] R ]

dbValid true INMITTVVVGNSR PHOS(3) 2. 822. 0.336847 5.26699 100. ? 2928.  
 S\_Acido\_new%gi|68566885|gb|AA79814.1| INMITTVVVGNSR%::::PHOS:PHOS::::PHOS::%sample\_1%compd\_1533

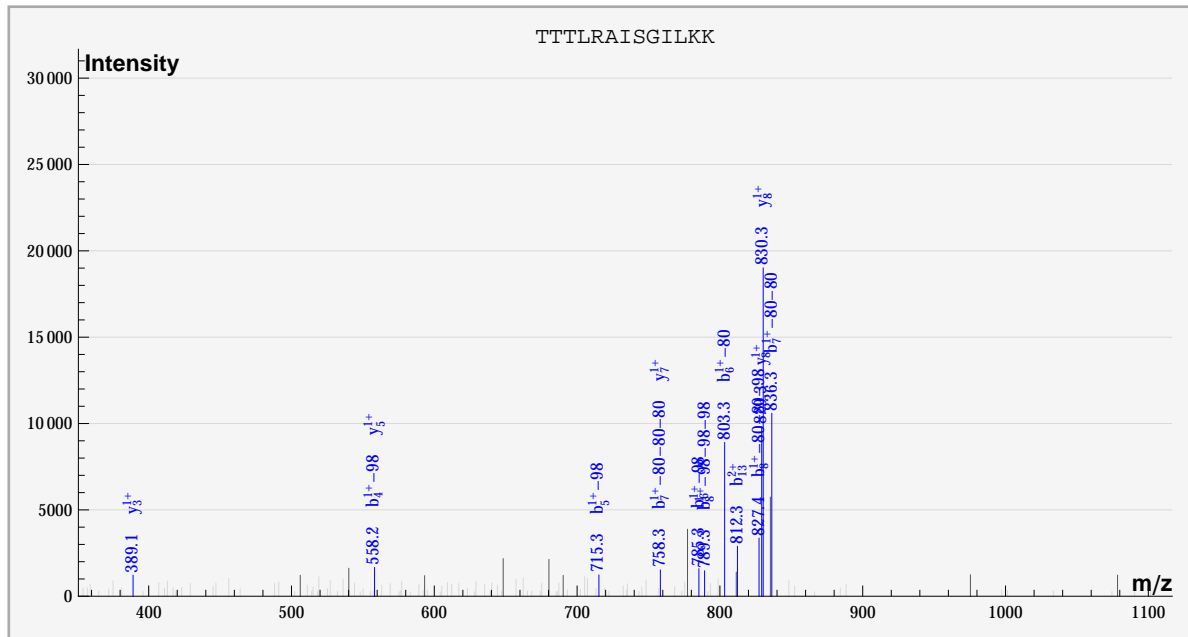


	#	b	b*	#	y	y*	P	P*
I	1							✓
N	2			12				
M	3			11				
I	4			10				
T	5	✓	✓	9	✓	✓		
T	6	✓	✓	8				
V	7		✓	7	✓	✓		
V	8		✓	6	✓			
V	9		✓	5				
G	10	✓	✓	4				
N	11	✓	✓	3	✓			
S	12		✓	2				
R	13	✓	✓	1				

I N M I T T V V V G N S R

dbValid true TTTLRAISGILKK PHOS(3) 2. 823. -1.60753 5.12575 100. ? 2394.

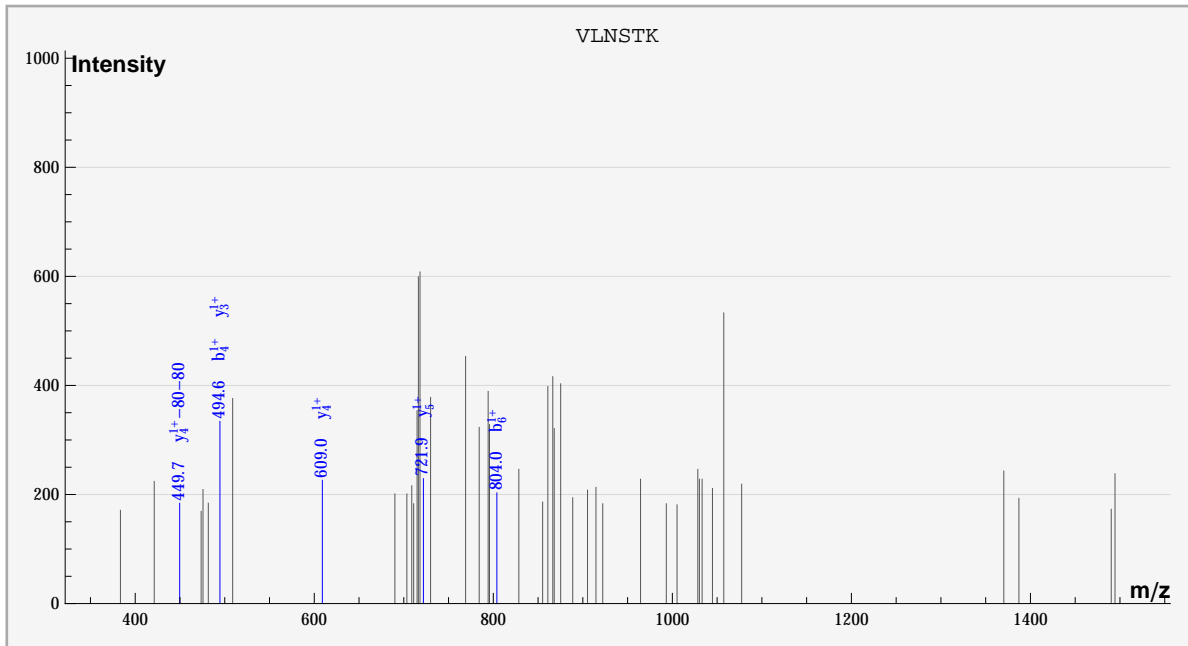
S\_Acido\_new%gi|68567379|gb|AA80308.1| TTTLRAISGILKK%:PHOS:PHOS:PHOS:.....%sample\_3%cmpd\_966



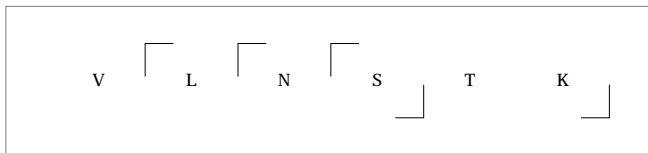
	#	b	b*	#	y	y*	P	P*
T	1							
T	2			12				
T	3			11				
L	4		✓	10				
R	5		✓	9				
A	6		✓	8		✓		
I	7		✓	7		✓		
S	8		✓	6				
G	9			5		✓		
I	10			4				
L	11			3		✓		
K	12			2				
K	13	✓		1				

T T T L R A I S G I L K K

dbValid true VLNSTK PHOS(2) 1. 823. -1.67948 5.05499 100. ? 4218.  
 S\_Acido\_new%gi|68568511|gb|AAY81440.1| VLNSTK%:::PHOS:PHOS::%sample\_1%cmpd\_2706

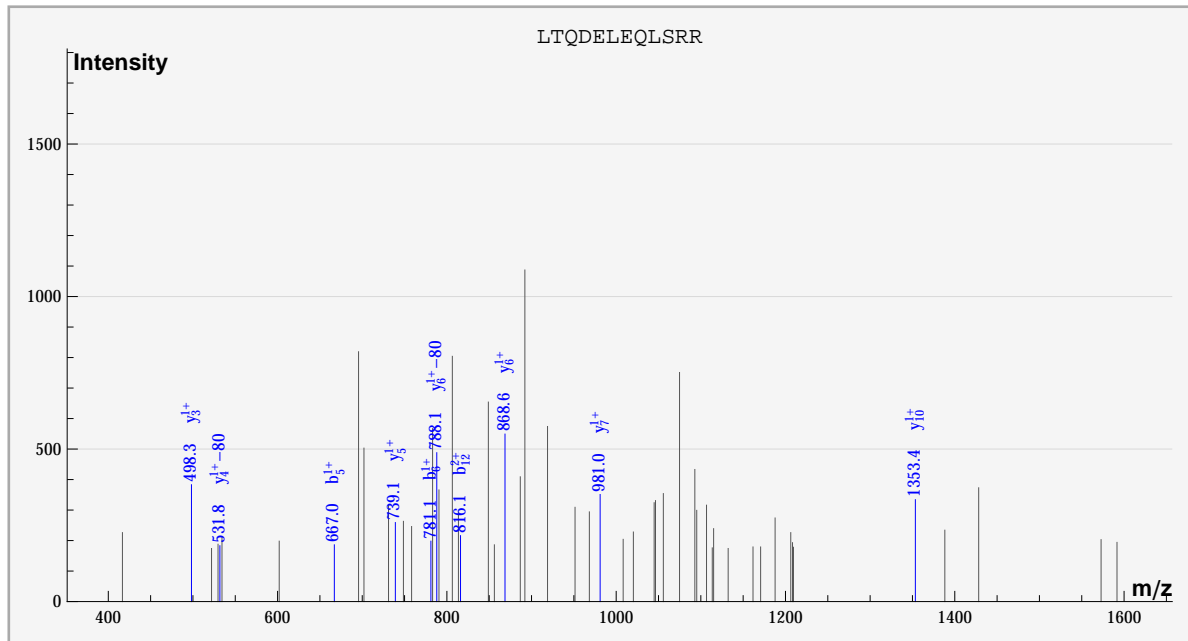


	#	b	b*	#	y	y*	P	P*
V	1							
L	2			5	✓			
N	3			4	✓	✓		
S	4	✓		3	✓			
T	5			2				
K	6	✓		1				



dbValid true LTQDELEQLSRR PHOS(2) 2. 823. 1.36056 5.29275 100. ? 5214.

S\_Acido\_new%gi|68566647|gb|AA79576.1| LTQDELEQLSRR::PHOS:::PHOS:::sample\_1%compd\_3606

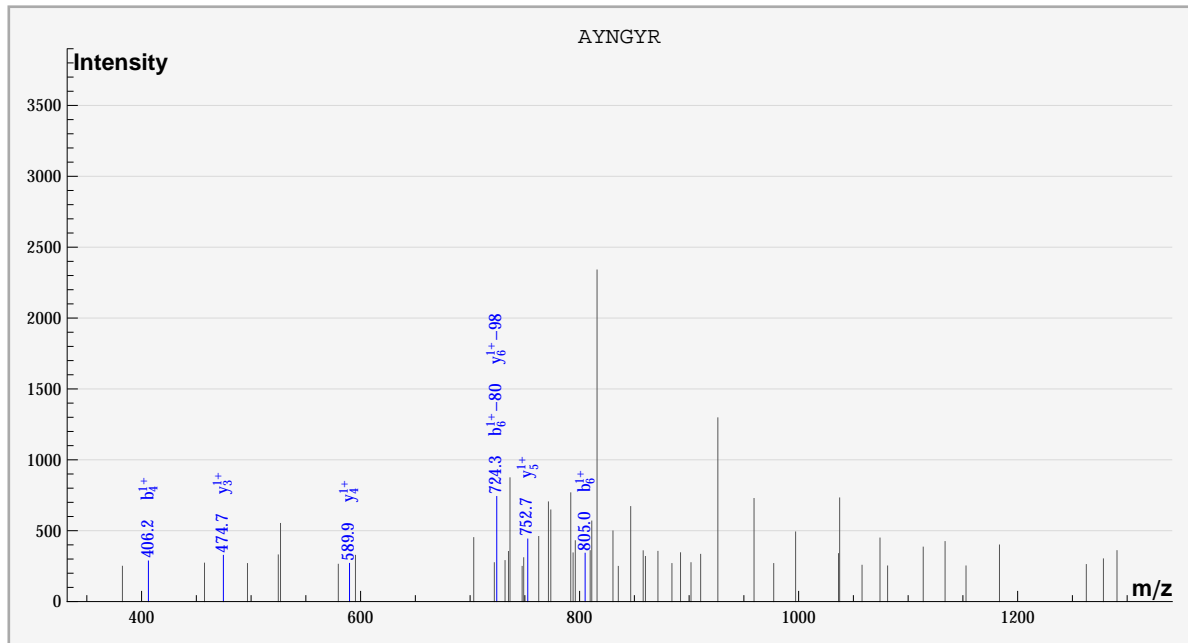


	#	b	b*	#	y	y*	P	P*
L	1							
T	2			11				
Q	3			10	✓			
D	4			9				
E	5	✓		8				
L	6	✓		7	✓			
E	7			6	✓	✓		
Q	8			5	✓			
L	9			4		✓		
S	10			3	✓			
R	11			2				
R	12	✓		1				

L T Q D E L E Q L S R R



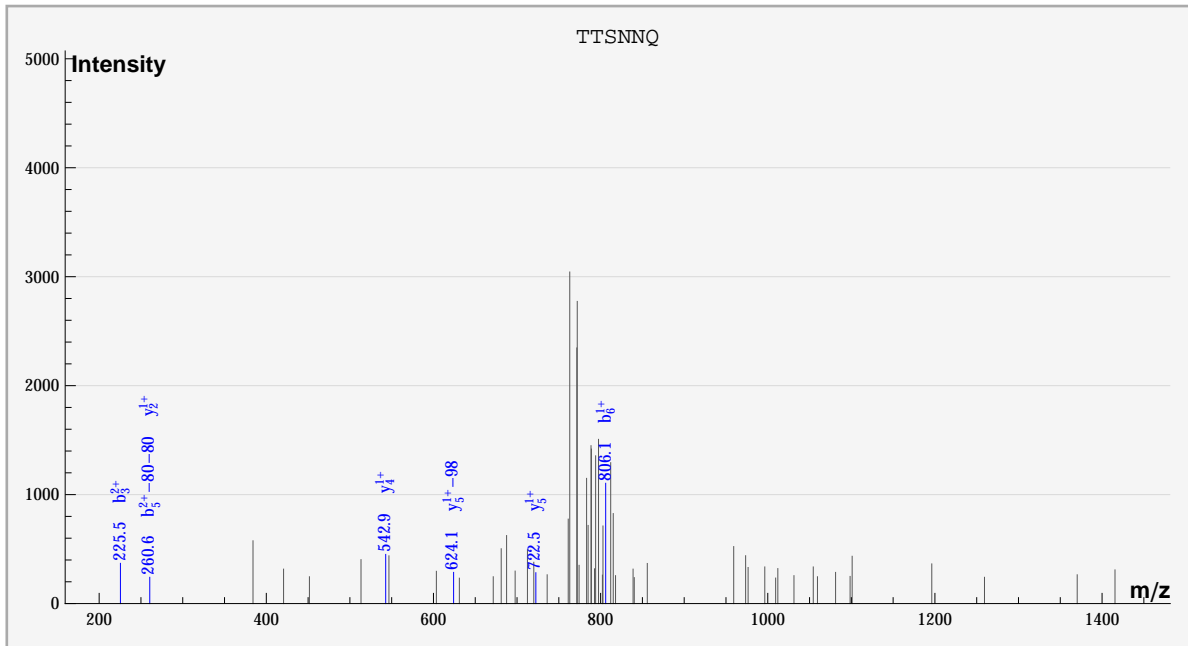
dbValid true AYNGYR PHOS(1) 1. 824. -0.686575 5.11802 100. ? 4578.  
 S\_Acido\_new%gi|68568272|gb|AAY81201.1| AYNGYR%:::PHOS::%sample\_1%compd\_3040



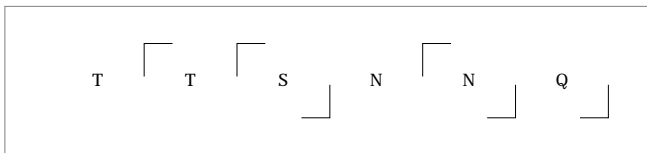
	#	b	b*	#	y	y*	P	P*
A	1							✓
Y	2			5	✓			
N	3			4	✓			
G	4	✓		3	✓			
Y	5			2				
R	6	✓	✓	1				



dbValid true TTSNNQ PHOS(2) 1. 825. -0.777715 5.21519 100. ? 1668.  
 S\_Acido\_new%gi|68567234|gb|AA80163.1| TTSNNQ%::PHOS:PHOS::::%sample\_1%compd\_383



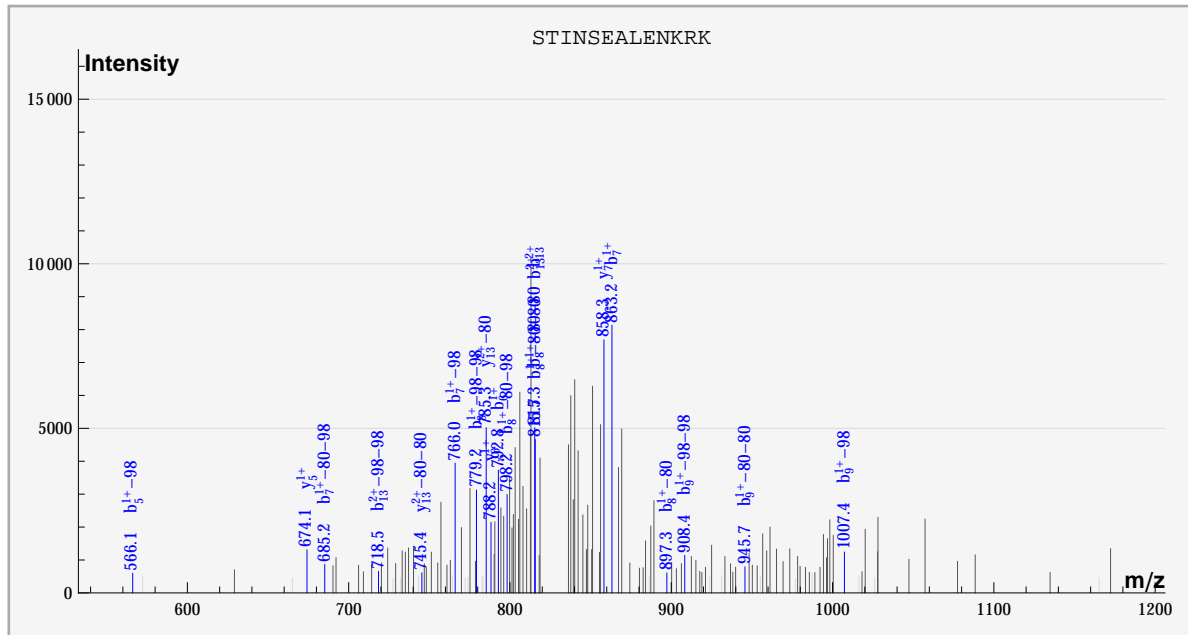
	#	b	b*	#	y	y*	P	P*
T	1							
T	2			5	✓	✓		
S	3	✓		4	✓			
N	4			3				
N	5		✓	2	✓			
Q	6	✓		1				





dbValid true STINSEALENKRK PHOS(2) 2. 825. 0.368387 5.62297 100. ? 2280.

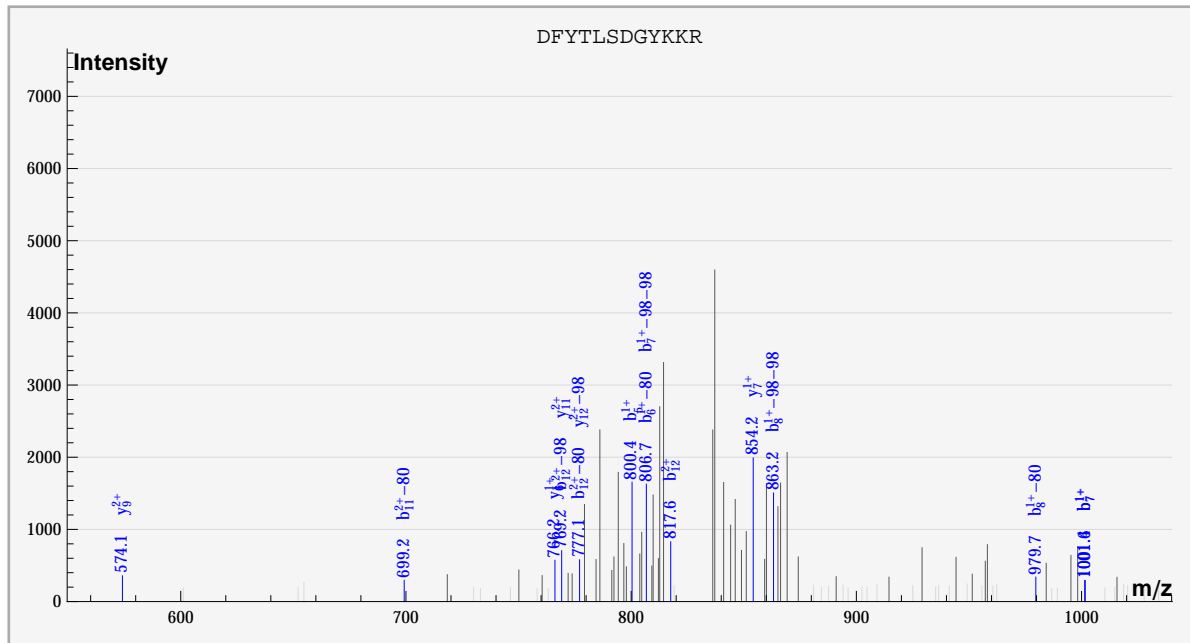
S\_Acido\_new%gi|68567745|gb|AA80674.1| STINSEALENKRK%:PHOS:PHOS:.....%sample\_2%cmpd\_965



	#	b	b*	#	y	y*	P	P*
S	1							✓
T	2			12				
I	3			11				
N	4			10				
S	5		✓	9				
E	6	✓		8				
A	7	✓	✓	7	✓			
L	8		✓	6	✓			
E	9		✓	5	✓			
N	10			4				
K	11			3				
R	12			2				
K	13	✓	✓	1				

「 S T I N S E A L E N K R K 」

dbValid true DFYTLSDGYKKR PHOS(2) 2. 825. 1.84147 5.19102 100. ? 2934.  
 S\_Acido\_new%gi|68567316|gb|AA80245.1| DFYTLSDGYKKR%:::PHOS:PHOS:::sample\_2%compd\_1549

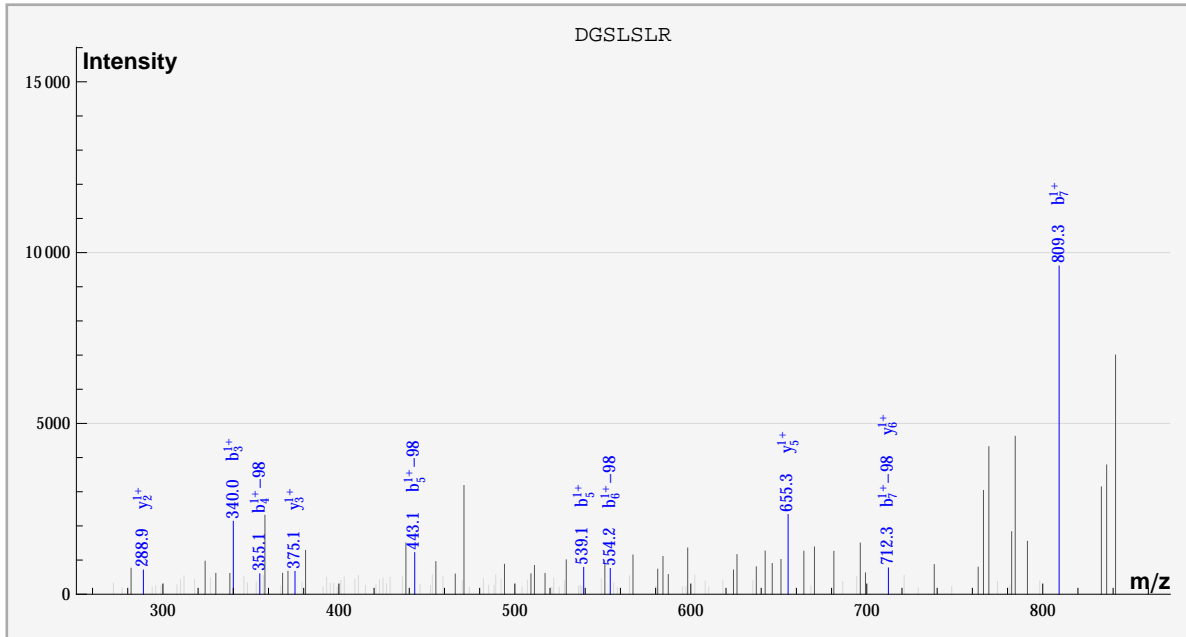


	#	b	b*	#	y	y*	P	P*
D	1							✓
F	2			11	✓			
Y	3			10				
T	4			9	✓			
L	5	✓		8				
S	6		✓	7	✓			
D	7	✓	✓	6	✓			
G	8		✓	5				
Y	9			4				
K	10			3				
K	11		✓	2				
R	12	✓	✓	1				

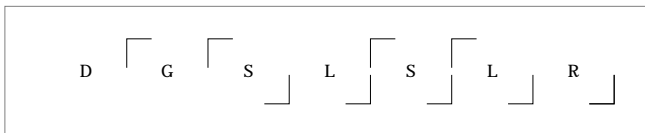
「 D 「 F Y 「 T L 「 S 「 D 「 G 「 Y K K 「 R 「

dbValid true DGSLSLR PHOS(1) 1. 829. -1.63416 5.11144 100. ? 1752.

S\_Acido\_new%gi|68566619|gb|AAY79548.1| DGSLSLR%:::PHOS:::%sample\_3%compd\_421

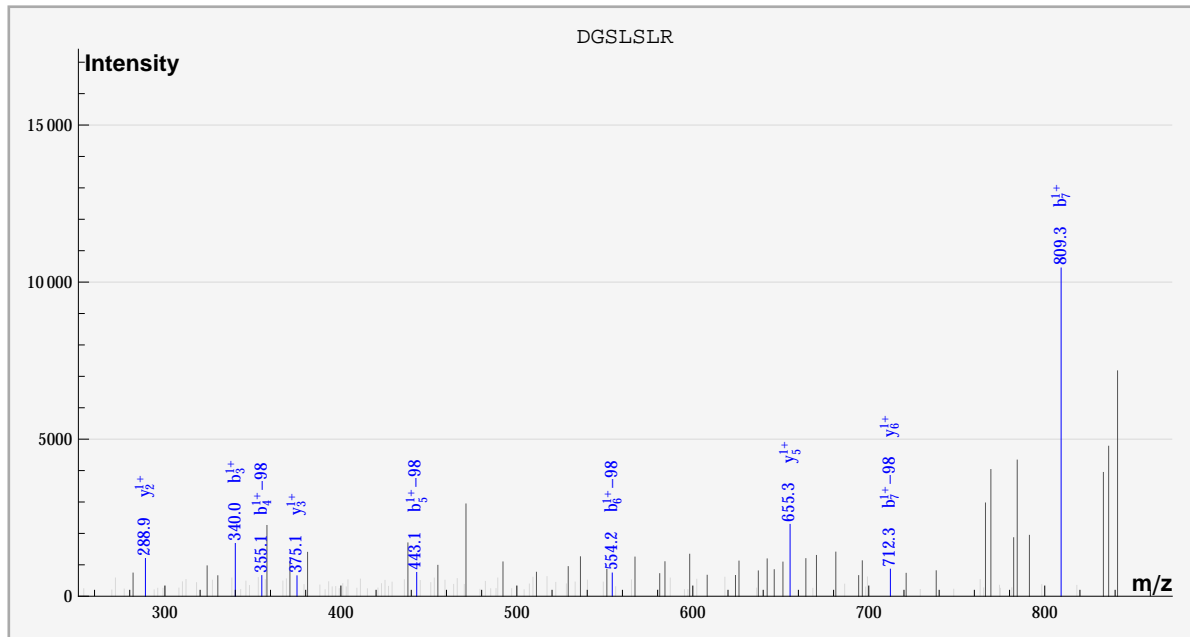


	#	b	b*	#	y	y*	P	P*
D	1							
G	2			6	✓			
S	3	✓		5	✓			
L	4		✓	4				
S	5	✓	✓	3	✓			
L	6		✓	2	✓			
R	7	✓	✓	1				

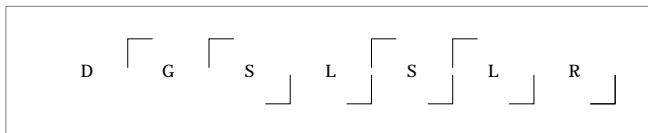


dbValid true DGSLSLR PHOS(1) 1. 829. -1.63416 5.05303 100. ? 1764.

S\_Acido\_new%gi|68566619|gb|AAY79548.1| DGSLSLR%:::PHOS:::%sample\_3%cmpd\_431

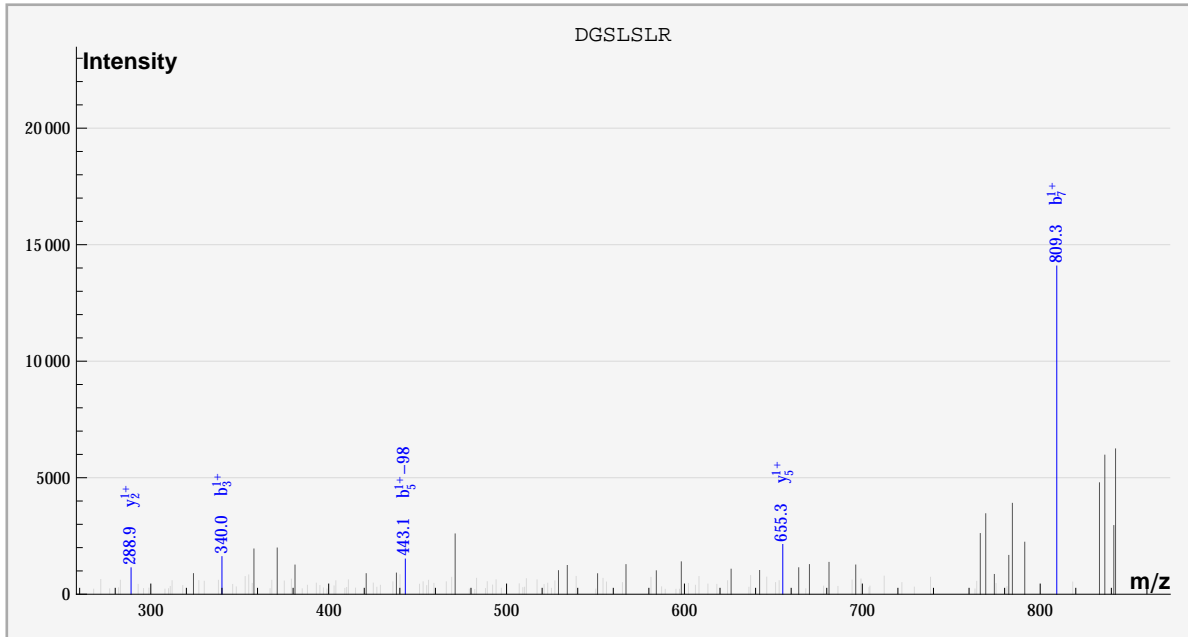


	#	b	b*	#	y	y*	P	P*
D	1							
G	2			6	✓			
S	3	✓		5	✓			
L	4		✓	4				
S	5		✓	3	✓			
L	6		✓	2	✓			
R	7	✓	✓	1				

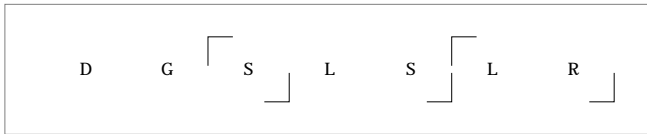


dbValid true DGSLSLR PHOS(1) 1. 829. -1.63416 5.0561 100. ? 1788.

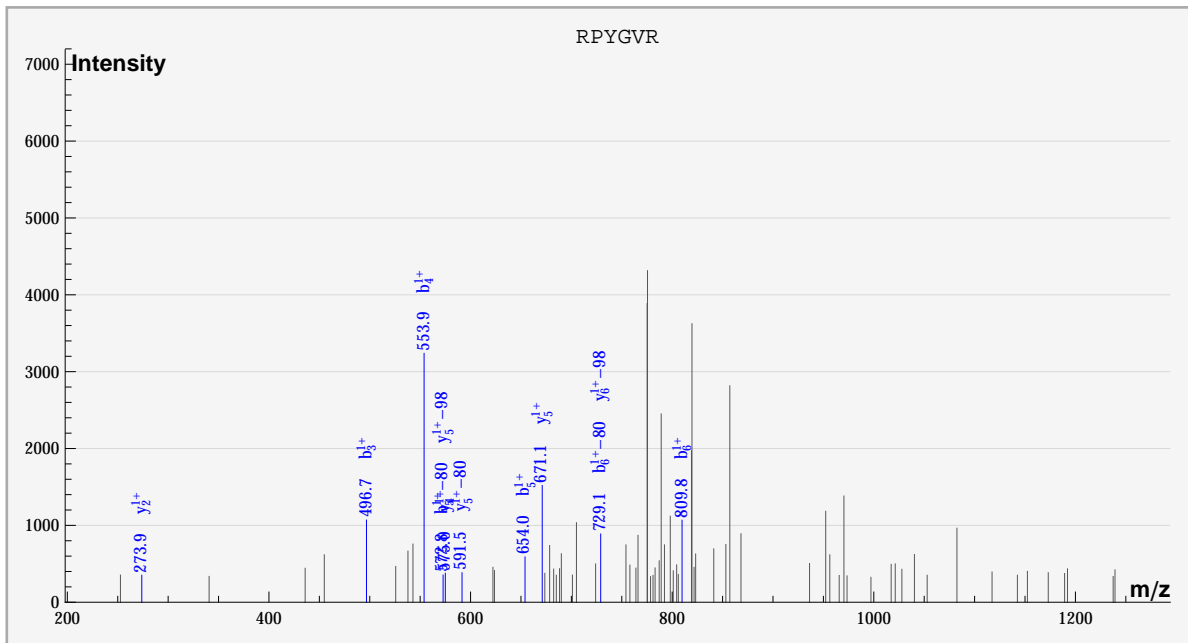
S\_Acido\_new%gi|68566619|gb|AAY79548.1| DGSLSLR%:::PHOS:::%sample\_3%compd\_451



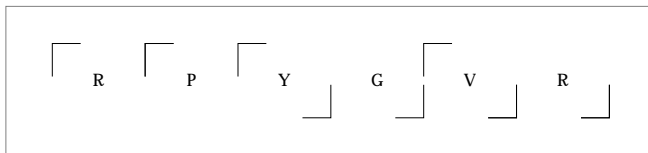
	#	b	b*	#	y	y*	P	P*
D	1							
G	2			6				
S	3	✓		5	✓			
L	4			4				
S	5		✓	3				
L	6			2	✓			
R	7	✓		1				



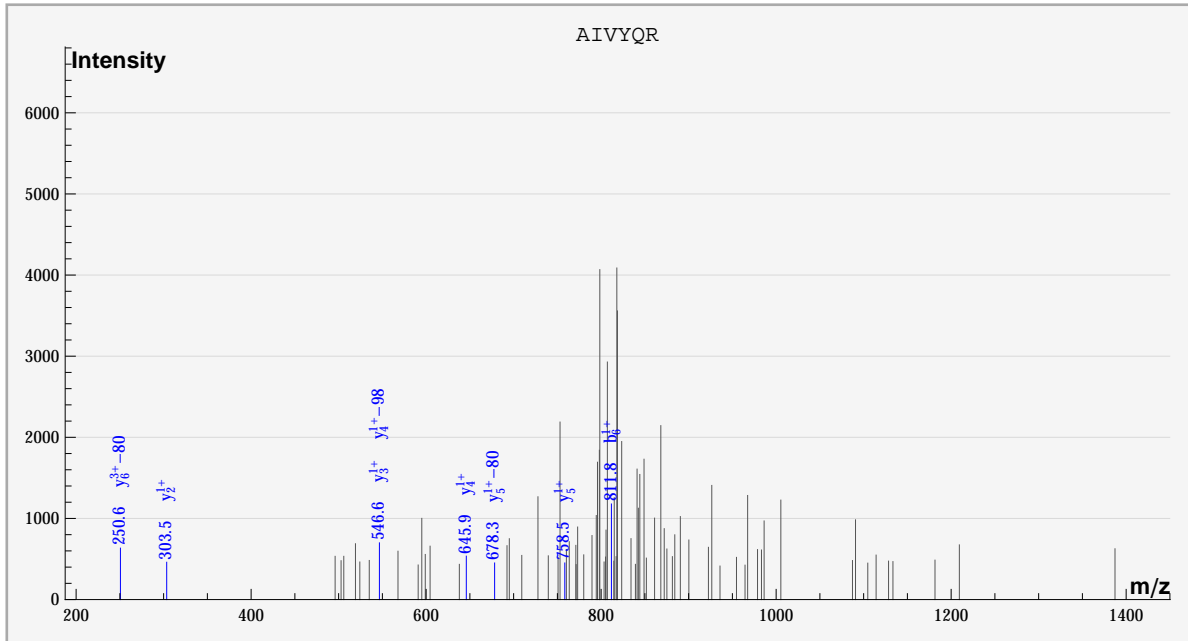
dbValid true RPYGVR PHOS(1) 1. 829. -1.60767 6.16011 100. ? 1818.  
 S\_Acido\_new%gi|68567864|gb|AAY80793.1| RPYGVR%:::PHOS:::%sample\_1%compd\_521



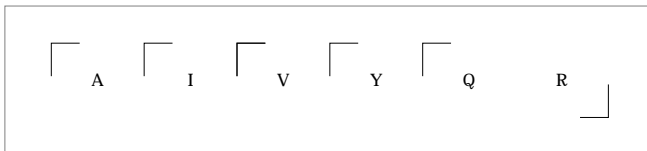
	#	b	b*	#	y	y*	P	P*
R	1							✓
P	2			5	✓	✓		
Y	3	✓		4	✓			
G	4	✓		3				
V	5	✓	✓	2	✓			
R	6	✓	✓	1				



dbValid true AIVYQR PHOS(1) 1. 829. 0.396755 5.77964 100. ? 2862.  
 S\_Acido\_new%gi|68568697|gb|AAY81626.1| AIVYQR%:::PHOS:::sample\_1%compd\_1474

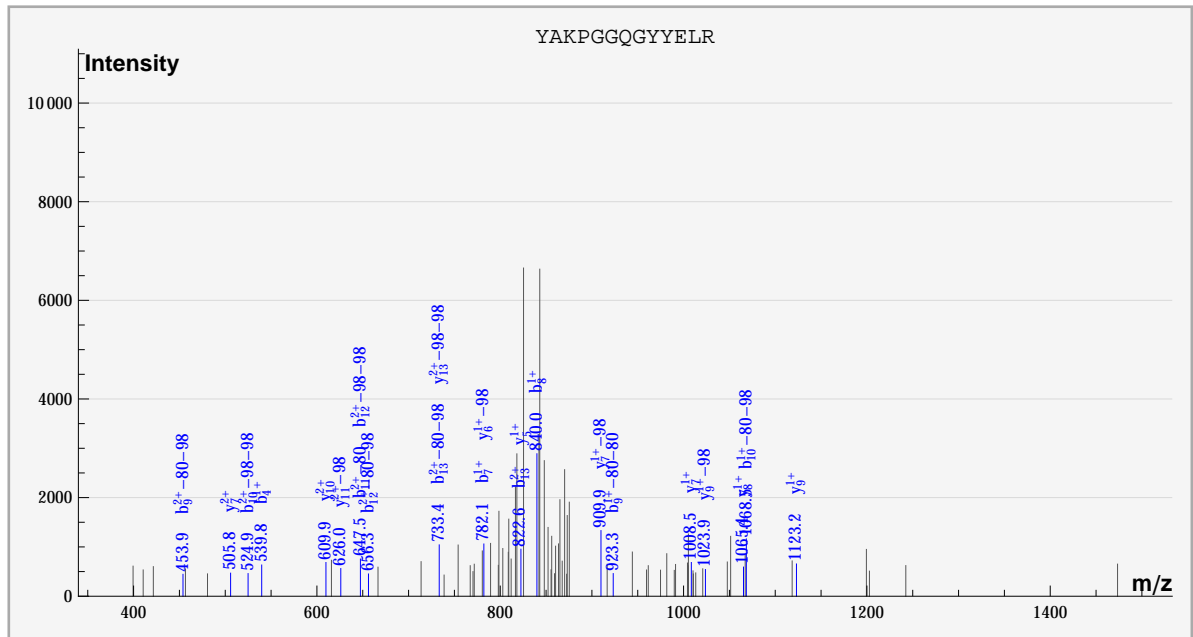


	#	b	b*	#	y	y*	P	P*
A	1							✓
I	2			5	✓	✓		
V	3			4	✓	✓		
Y	4			3	✓			
Q	5			2	✓			
R	6	✓		1				



dbValid true YAKPGGQGYEELR PHOS(2) 2. 830. 1.34164 5.20845 100. ? 2928.

S\_Acido\_new%gi|68568492|gb|AAy81421.1| YAKPGGQGYEELR%:PHOS:.....PHOS:.....%sample\_3%compd\_1374

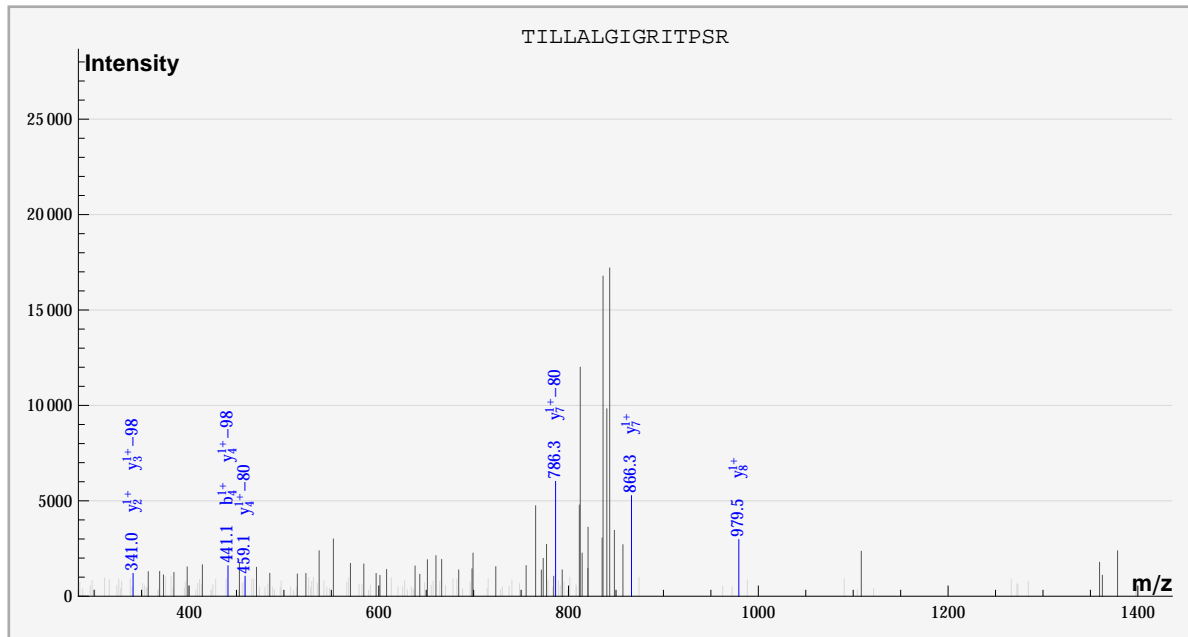


	#	b	b*	#	y	y*	P	P*
Y	1							✓
A	2			12				
K	3			11		✓		
P	4	✓		10	✓	✓		
G	5			9	✓	✓		
G	6			8	✓	✓		
Q	7	✓		7	✓	✓		
G	8	✓		6		✓		
Y	9		✓	5	✓			
Y	10		✓	4				
E	11		✓	3				
L	12		✓	2				
R	13	✓	✓	1				

[ Y A K P ] G G Q G Y Y E L R ]



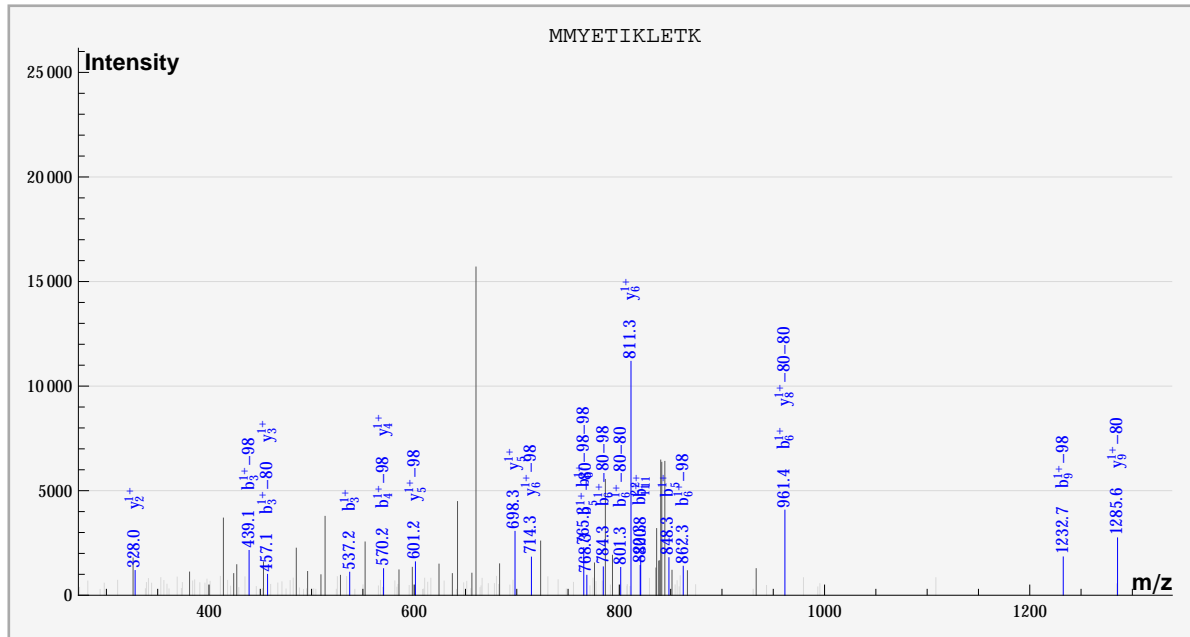
dbValid true TILLALGIGRITPSR PHOS(1) 2. 831. -0.0209027 5.76937 100. ? 2382.  
 S\_Acido\_new%gi|68568508|gb|AAY81437.1| TILLALGIGRITPSR%.....:PHOS::%sample\_0%compd\_951



	#	b	b*	#	y	y*	P	P*
T	1							
I	2			14				
L	3			13				
L	4	✓		12				
A	5			11				
L	6			10				
G	7			9				
I	8			8	✓			
G	9			7	✓	✓		
R	10			6				
I	11			5				
T	12			4		✓		
P	13			3		✓		
S	14			2	✓			
R	15			1				

T I L L A L G I G R I T P S R

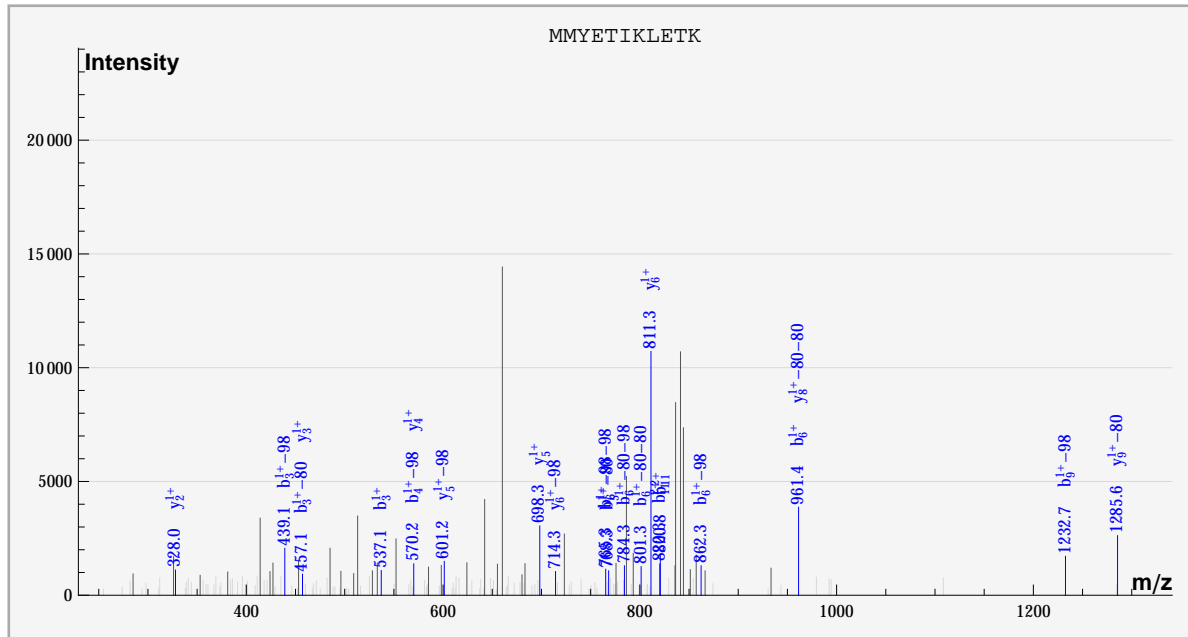
dbValid true MMYETIKLETK Oxidation\_M(2),PHOS(3) 2. 831.  
 -1.20164 5.1884 100. ? 2742. S\_Acido\_new%gi|68568643|gb|AAY81572.1|  
 MMYETIKLETK%:Oxidation\_M:Oxidation\_M:PHOS::PHOS:::PHOS::%sample\_0%compd\_1261



	#	b	b*	#	y	y*	P	P*
M	1							
M	2			10				
Y	3	✓	✓	9		✓		
E	4		✓	8		✓		
T	5	✓	✓	7				
I	6	✓	✓	6	✓	✓		
K	7			5	✓	✓		
L	8			4	✓			
E	9		✓	3	✓			
T	10			2	✓			
K	11	✓		1				

M M Y E T I K L E T K

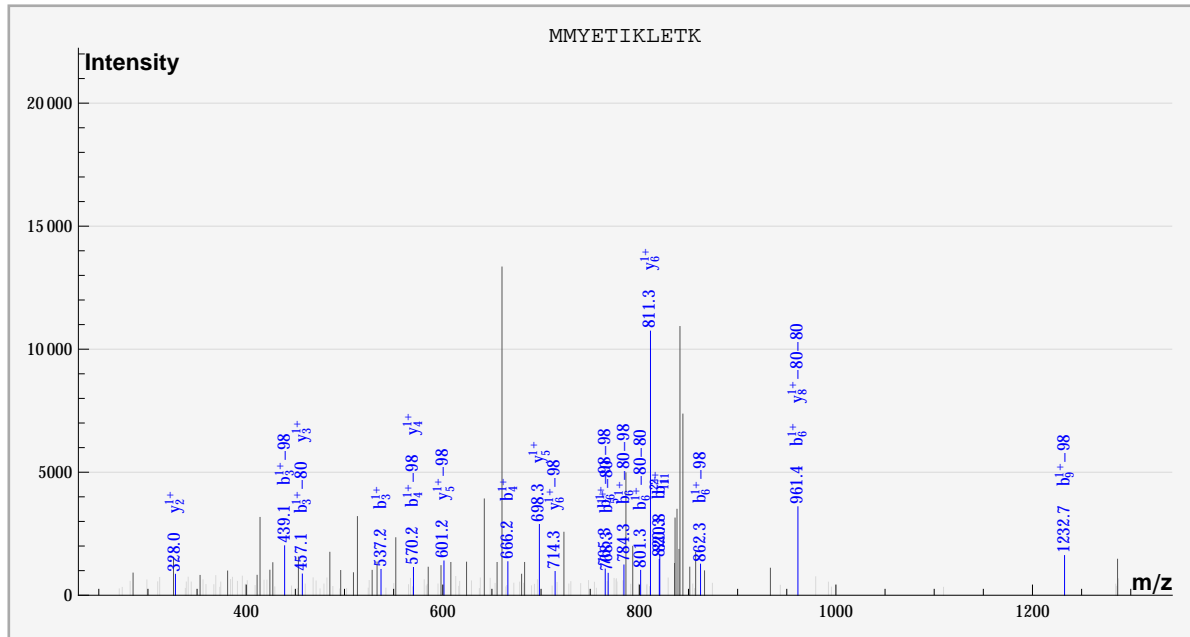
dbValid true MMYETIKLETK Oxidation\_M(2),PHOS(3) 2. 831.  
 -1.20164 5.20363 100. ? 2754. S\_Acido\_new%g|68568643|g|AAY81572.1|  
 MMYETIKLETK%:Oxidation\_M:Oxidation\_M:PHOS::PHOS:::PHOS::%sample\_0%cmpd\_1271



	#	b	b*	#	y	y*	P	P*
M	1							
M	2			10				
Y	3	✓	✓	9		✓		
E	4		✓	8		✓		
T	5		✓	7				
I	6	✓	✓	6	✓	✓		
K	7			5	✓	✓		
L	8			4	✓			
E	9		✓	3	✓			
T	10			2	✓			
K	11	✓		1				

M M Y E T I K L E T K

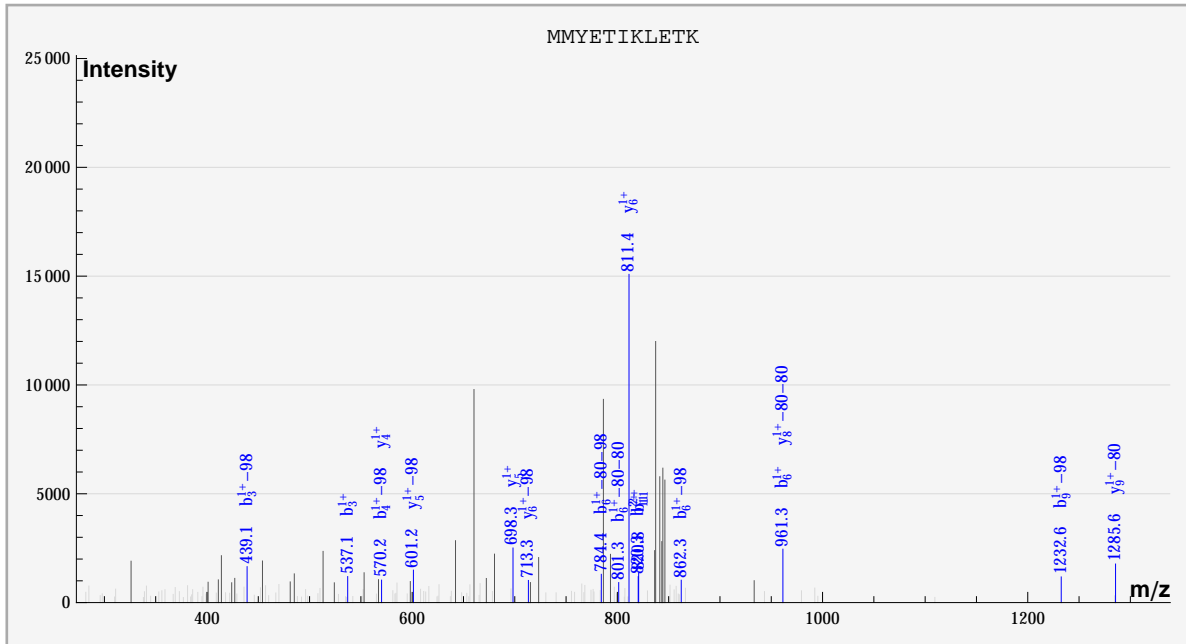
dbValid true MMYETIKLETK Oxidation\_M(2),PHOS(3) 2. 831.  
 -1.20164 5.11544 100. ? 2766. S\_Acido\_new%g|68568643|gb|AAY81572.1|  
 MMYETIKLETK%:Oxidation\_M:Oxidation\_M:PHOS::PHOS:::PHOS::%sample\_0%cmpd\_1282



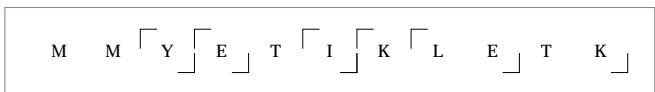
	#	b	b*	#	y	y*	P	P*
M	1							
M	2			10				
Y	3	✓	✓	9				
E	4	✓	✓	8		✓		
T	5		✓	7				
I	6	✓	✓	6	✓	✓		
K	7			5	✓	✓		
L	8			4	✓			
E	9		✓	3	✓			
T	10			2	✓			
K	11	✓		1				

M M Y E T I K L E T K

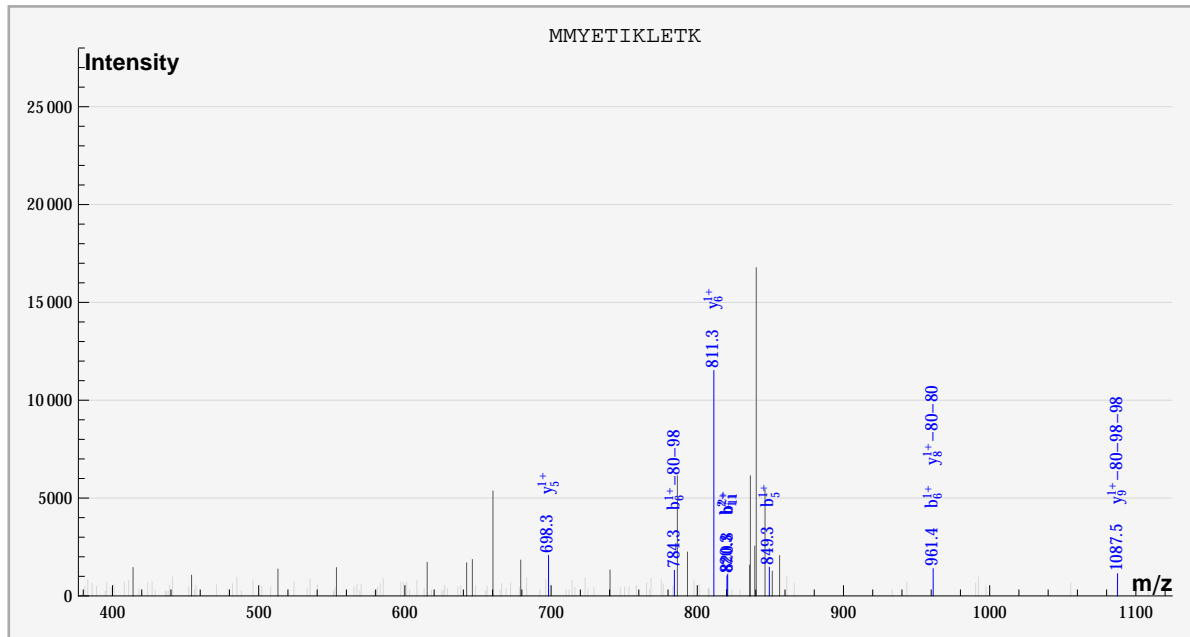
dbValid true MMYETIKLETK Oxidation\_M(2),PHOS(3) 2. 831.  
 -1.20164 5.17926 100. ? 2814. S\_Acido\_new%g|68568643|gb|AAY81572.1|  
 MMYETIKLETK%:Oxidation\_M:Oxidation\_M:PHOS::PHOS:::PHOS::%sample\_0%cmpd\_1324



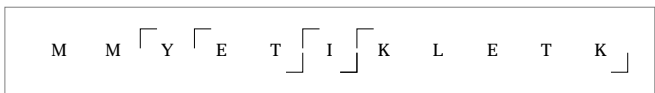
	#	b	b*	#	y	y*	P	P*
M	1							
M	2			10				
Y	3	✓	✓	9		✓		
E	4		✓	8		✓		
T	5			7				
I	6	✓	✓	6	✓	✓		
K	7			5	✓	✓		
L	8			4	✓			
E	9		✓	3				
T	10			2				
K	11	✓		1				



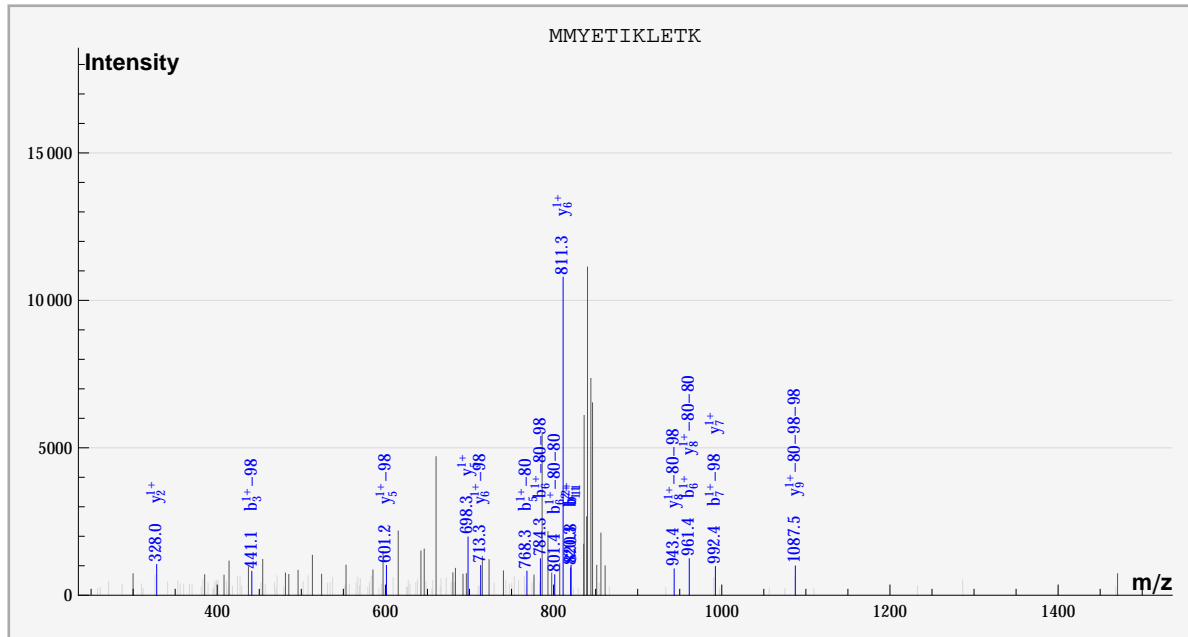
dbValid true MMYETIKLETK Oxidation\_M(2),PHOS(3) 2. 831.  
 -1.20164 5.43097 100. ? 2916. S\_Acido\_new%g|68568643|gb|AAY81572.1|  
 MMYETIKLETK%:Oxidation\_M:Oxidation\_M:PHOS::PHOS:::PHOS::%sample\_0%compd\_1405



	#	b	b*	#	y	y*	P	P*
M	1							
M	2			10				
Y	3			9		✓		
E	4			8		✓		
T	5	✓		7				
I	6	✓	✓	6	✓			
K	7			5	✓			
L	8			4				
E	9			3				
T	10			2				
K	11	✓		1				



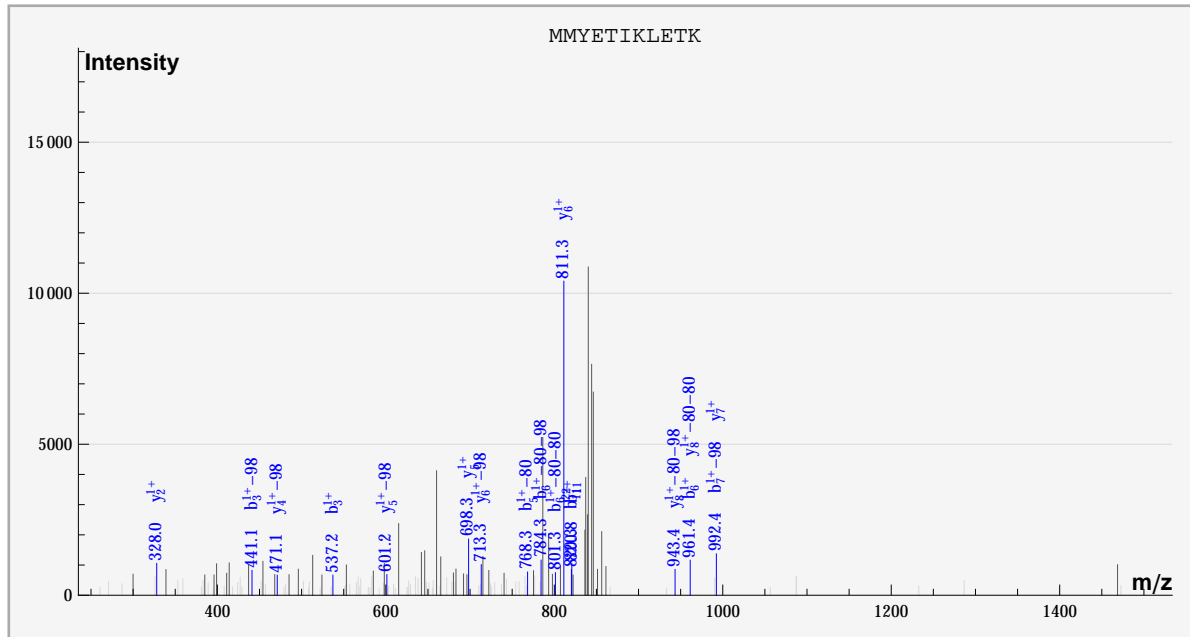
dbValid true MMYETIKLETK Oxidation\_M(2),PHOS(3) 2. 831.  
 -1.20164 5.27151 100. ? 2940. S\_Acido\_new%g|68568643|gb|AAY81572.1|  
 MMYETIKLETK%:Oxidation\_M:Oxidation\_M:PHOS::PHOS:::PHOS::%sample\_0%compd\_1427



	#	b	b*	#	y	y*	P	P*
M	1							
M	2			10				
Y	3		✓	9		✓		
E	4		✓	8		✓		
T	5		✓	7		✓		
I	6	✓	✓	6		✓	✓	
K	7		✓	5		✓	✓	
L	8			4				
E	9			3				
T	10			2		✓		
K	11	✓		1				

M M Y E T I K L E T K

dbValid true MMYETIKLETK Oxidation\_M(2),PHOS(3) 2. 831.  
 -1.20164 5.23543 100. ? 2952. S\_Acido\_new%g|68568643|gb|AAY81572.1|  
 MMYETIKLETK%:Oxidation\_M:Oxidation\_M:PHOS::PHOS:::PHOS::%sample\_0%compd\_1437

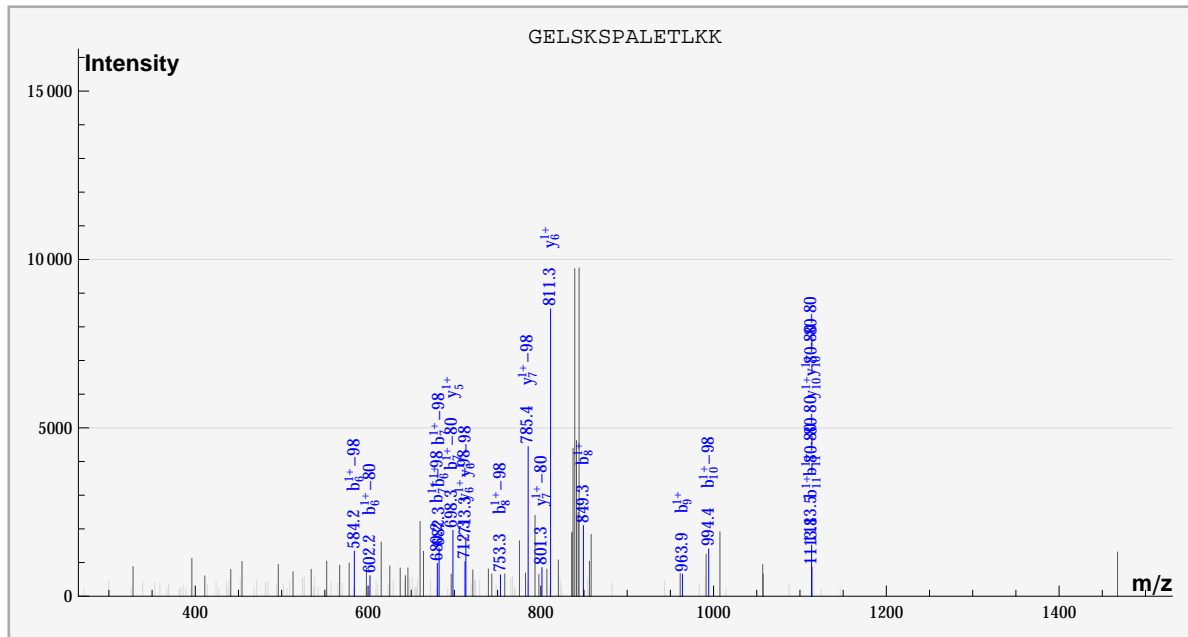


	#	b	b*	#	y	y*	P	P*
M	1							
M	2			10				
Y	3	✓	✓	9				
E	4			8		✓		
T	5		✓	7	✓			
I	6	✓	✓	6	✓	✓		
K	7		✓	5	✓	✓		
L	8			4		✓		
E	9			3				
T	10			2	✓			
K	11	✓		1				

M M Y E T I K L E T K



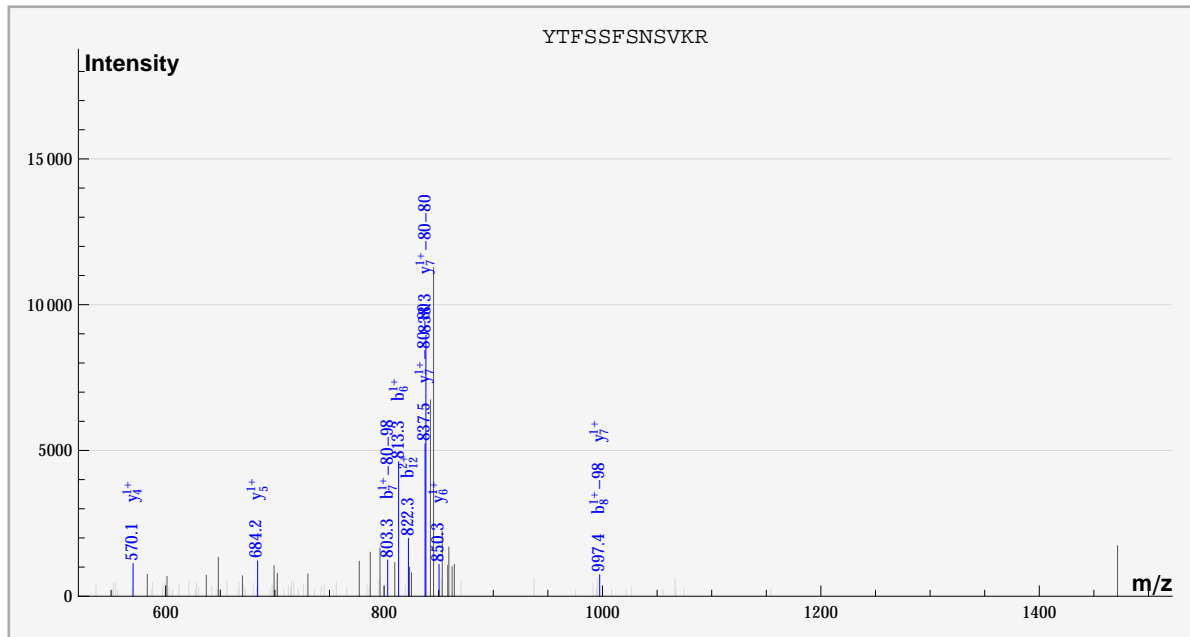
dbValid true GELSKSPALETLLK PHOS(2) 2. 831. -0.0984777 5.32626 100. ? 3060.  
 S\_Acido\_new%gi|68568108|gb|AAy81037.1| GELSKSPALETLLK%.....PHOS:::PHOS:::%sample\_0%cmpd\_1530



	#	b	b*	#	y	y*	P	P*
G	1							
E	2			13				
L	3			12				
S	4			11				
K	5			10		✓		
S	6	✓	✓	9				
P	7		✓	8				
A	8	✓	✓	7		✓		
L	9	✓		6	✓	✓		
E	10		✓	5	✓			
T	11		✓	4				
L	12			3				
K	13			2				
K	14			1				

G E L S K S P A L E T L K K

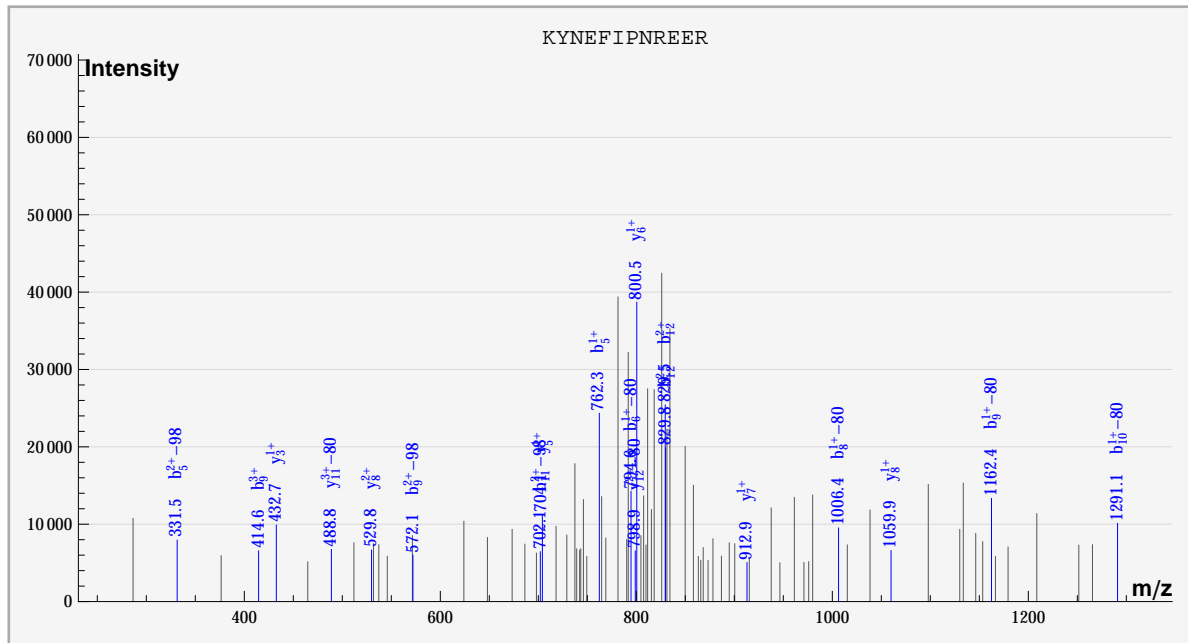
dbValid true YTFSSFSNSVKR PHOS(3) 2. 833. -1.1963 5.3499 100. ? 3414.  
 S\_Acido\_new%gi|68567545|gb|AA80474.1| YTFSSFSNSVKR%:PHOS:::PHOS::PHOS:::sample\_0%compd\_1835



	#	b	b*	#	y	y*	P	P*
Y	1							
T	2			11				
F	3			10				
S	4			9				
S	5			8				
F	6	✓		7	✓	✓		
S	7		✓	6	✓			
N	8		✓	5	✓			
S	9			4	✓			
V	10			3				
K	11			2				
R	12	✓		1				

Y T F S S [ F ] [ S ] [ N ] S V K R ]

dbValid true KYNEFIPNREER PHOS(1) 2. 836.98 0.905402 5.27172 100. ? 3042.  
 S\_Acido\_new%gil68566572|gb|AA79501.1| KYNEFIPNREER%::PHOS:::sample\_1%cmpd\_1777

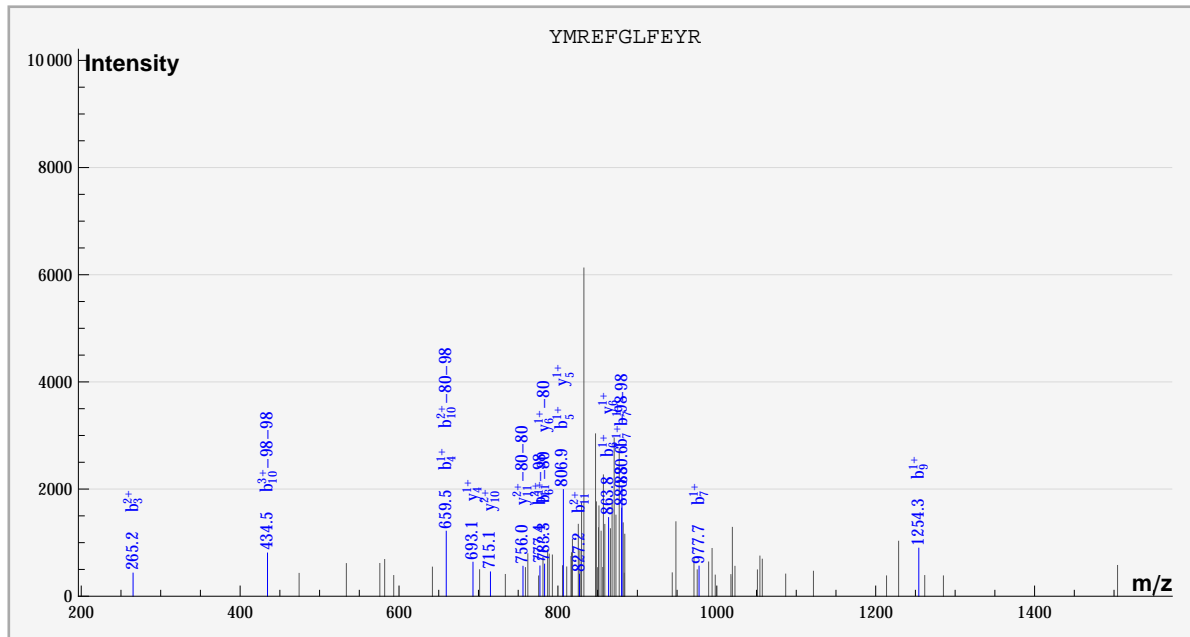


	#	b	b*	#	y	y*	P	P*
K	1							✓
Y	2			11		✓		
N	3			10				
E	4			9				
F	5	✓	✓	8		✓		
I	6		✓	7		✓		
P	7			6		✓		
N	8		✓	5		✓		
R	9	✓	✓	4				
E	10		✓	3		✓		
E	11		✓	2				
R	12	✓		1				

[ K ] [ Y ] N E [ F ] I [ P ] N ] R ] E ] E ] R ]

dbValid true YMREFGLFEYR PHOS(2) 2. 837. -1.17269 5.32625 100. ? 3456.

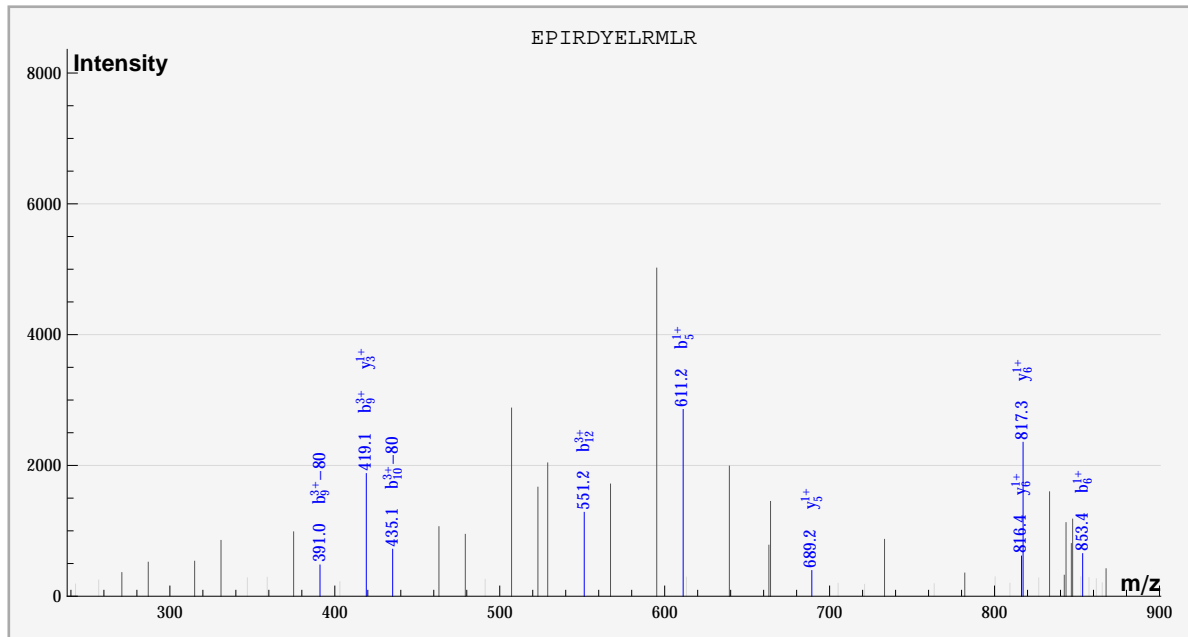
S\_Acido\_new%gi|68568187|gb|AAY81116.1| YMREFGLFEYR%:PHOS:::PHOS::%sample\_3%compd\_1814



	#	b	b*	#	y	y*	P	P*
Y	1							✓
M	2			10	✓			
R	3	✓		9				
E	4	✓		8				
F	5	✓		7				
G	6	✓	✓	6	✓	✓		
L	7	✓	✓	5	✓			
F	8			4	✓			
E	9	✓		3				
Y	10		✓	2				
R	11	✓	✓	1				

Y M R E F G L F E Y R

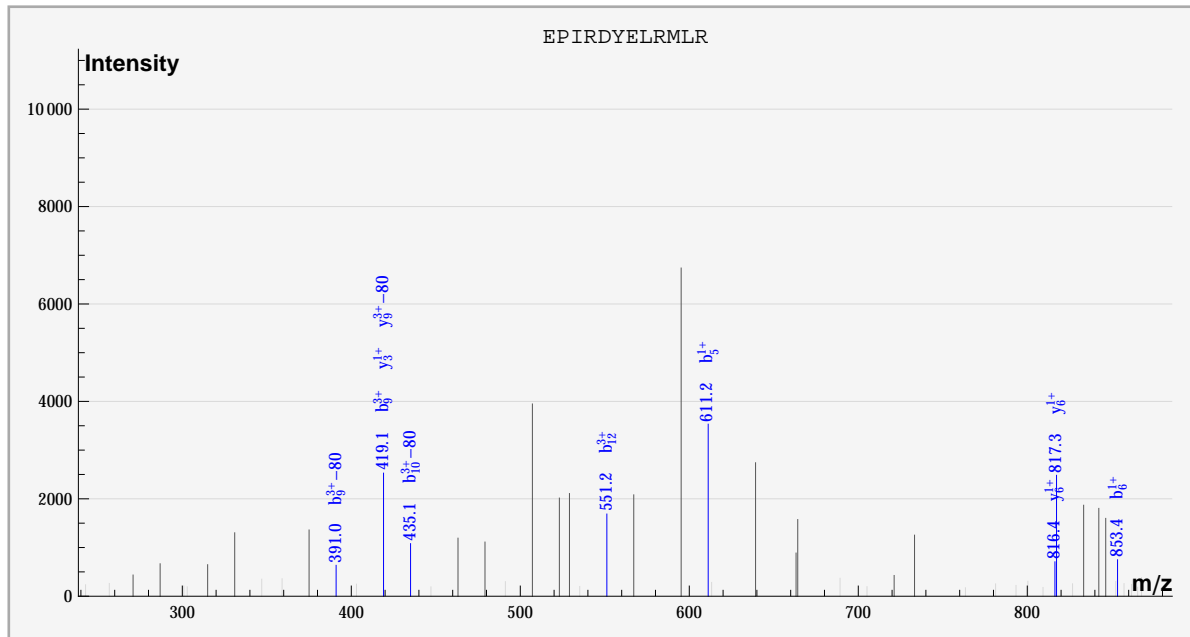
dbValid true EPIRDYELRMLR PHOS(1) 2. 837. -1.09218 5.19918 100. ? 4482.  
 S\_Acido\_new%gi|68566880|gb|AAY79809.1| EPIRDYELRMLR%:::PHOS:::sample\_0%compd\_2765



	#	b	b*	#	y	y*	P	P*
E	1							
P	2			11				
I	3			10				
R	4			9				
D	5	✓		8				
Y	6	✓		7				
E	7			6	✓			
L	8			5	✓			
R	9	✓	✓	4				
M	10		✓	3	✓			
L	11			2				
R	12	✓		1				

E P I R D Y E L R M L R

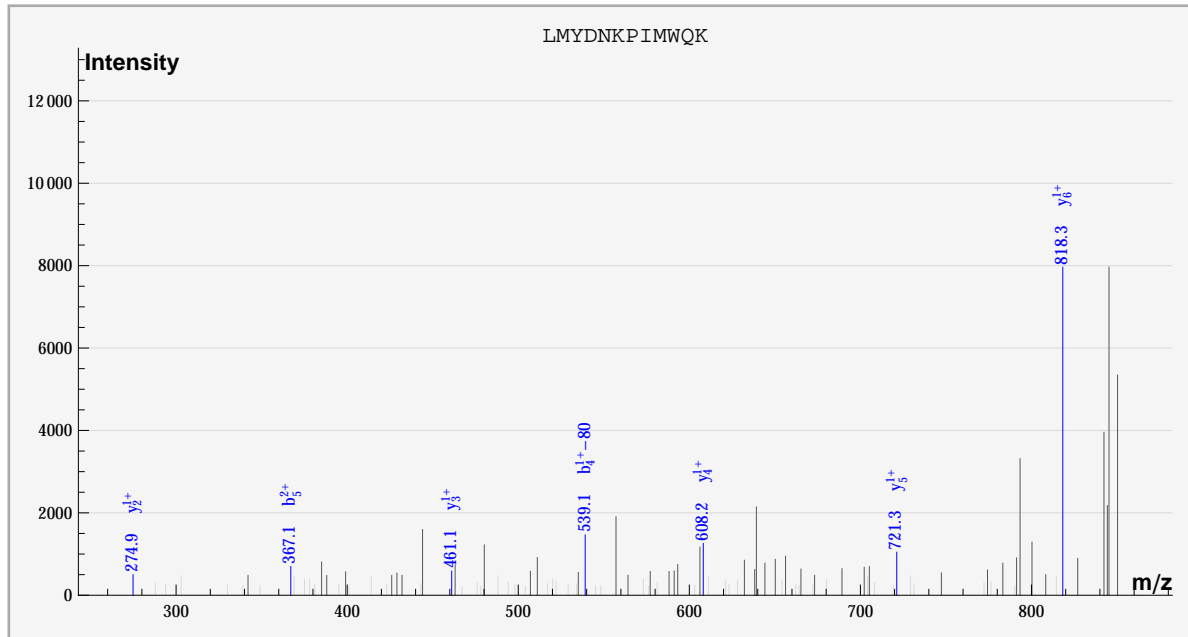
dbValid true EPIRDYELRMLR PHOS(1) 2. 837. -1.09218 4.99245 100. ? 4494.  
 S\_Acido\_new%gi|68566880|gb|AA79809.1| EPIRDYELRMLR%:::PHOS:::sample\_0%compd\_2775



	#	b	b*	#	y	y*	P	P*
E	1							
P	2			11				
I	3			10				
R	4			9		✓		
D	5	✓		8				
Y	6	✓		7				
E	7			6	✓			
L	8			5				
R	9	✓	✓	4				
M	10		✓	3	✓			
L	11			2				
R	12	✓		1				

E P I R D Y E L R M L R

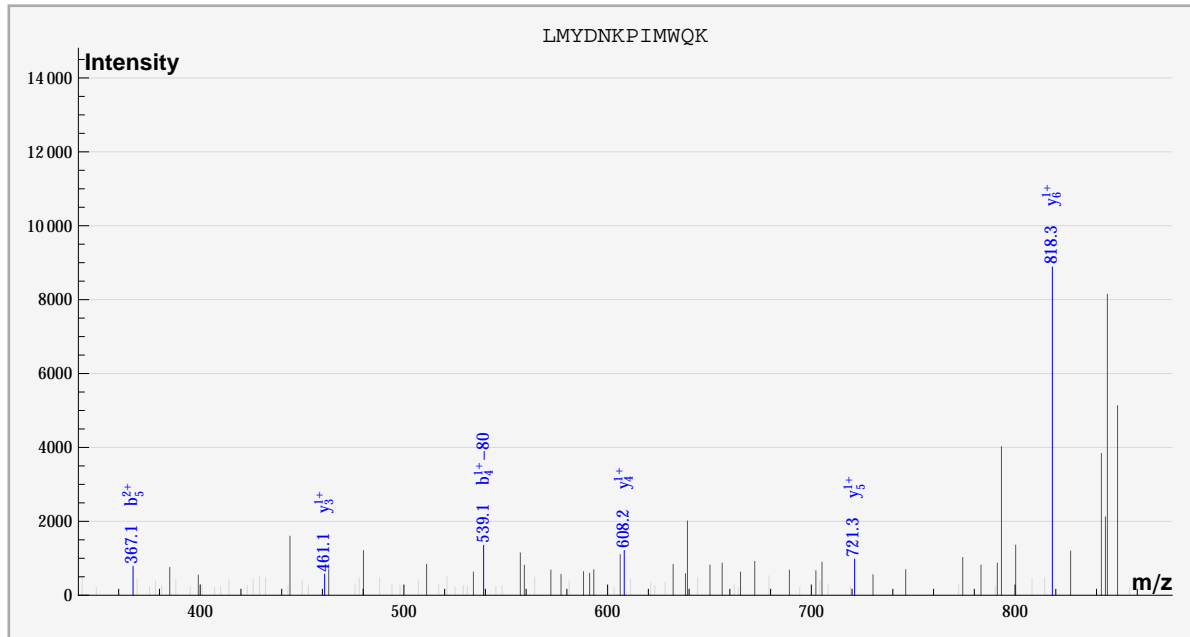
dbValid true LMYDNKPIMWQK Oxidation\_M(2),PHOS(1) 2. 838.  
 1.87205 5.63582 100. ? 2292. S\_Acido\_new%gi|68568686|gb|AAY81615.1|  
 LMYDNKPIMWQK%::Oxidation\_M:PHOS:::Oxidation\_M:::sample\_0%compd\_875



	#	b	b*	#	y	y*	P	P*
L	1							
M	2			11				
Y	3			10				
D	4		✓	9				
N	5	✓		8				
K	6			7				
P	7			6	✓			
I	8			5	✓			
M	9			4	✓			
W	10			3	✓			
Q	11			2	✓			
K	12			1				

L M Y D N K P I M W Q K

dbValid true LMYDNKPIWQK Oxidation\_M(2),PHOS(1) 2. 838.  
 1.87205 5.42529 100. ? 2304. S\_Acido\_new%gi|68568686|gb|AAY81615.1|  
 LMYDNKPIWQK%::Oxidation\_M:PHOS:::Oxidation\_M:::sample\_0%compd\_885

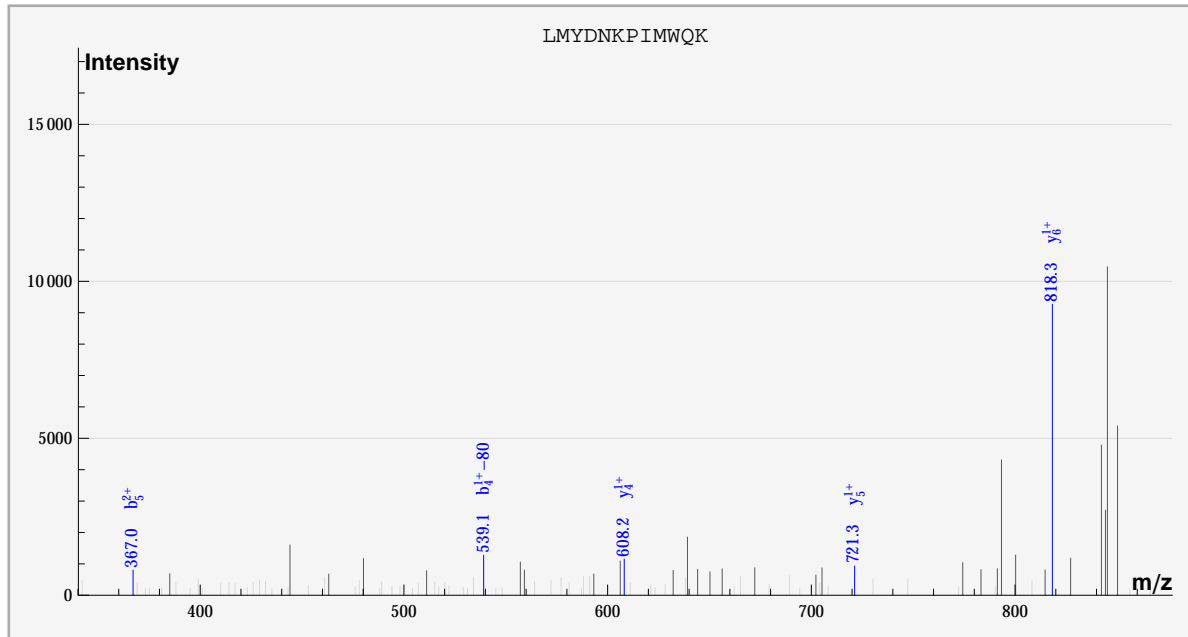


	#	b	b*	#	y	y*	P	P*
L	1							
M	2			11				
Y	3			10				
D	4		✓	9				
N	5	✓		8				
K	6			7				
P	7			6	✓			
I	8			5	✓			
M	9			4	✓			
W	10			3	✓			
Q	11			2				
K	12			1				

L M Y D N K P I M W Q K



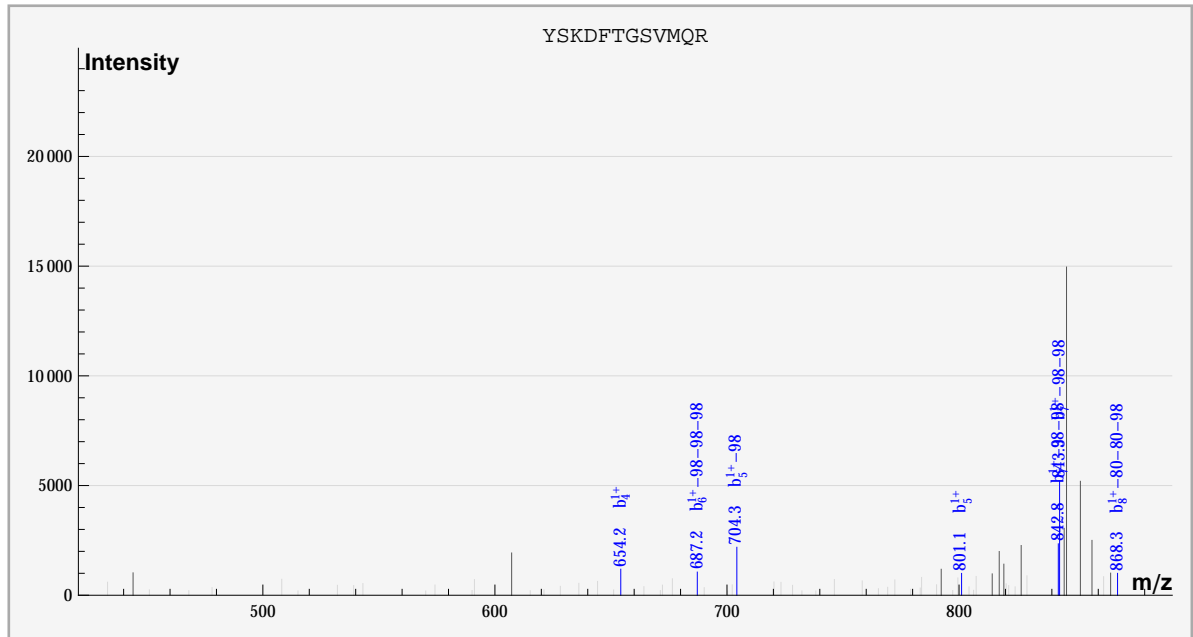
dbValid true LMYDNKPIMWQK Oxidation\_M(2),PHOS(1) 2. 838.  
 1.87205 5.86094 100. ? 2316. S\_Acido\_new%g|68568686|gb|AAY81615.1|  
 LMYDNKPIMWQK%::Oxidation\_M:PHOS:::Oxidation\_M:::sample\_0%compd\_896



	#	b	b*	#	y	y*	P	P*
L	1							
M	2			11				
Y	3			10				
D	4		✓	9				
N	5	✓		8				
K	6			7				
P	7			6	✓			
I	8			5	✓			
M	9			4	✓			
W	10			3				
Q	11			2				
K	12			1				

L M Y D N K P I M W Q K

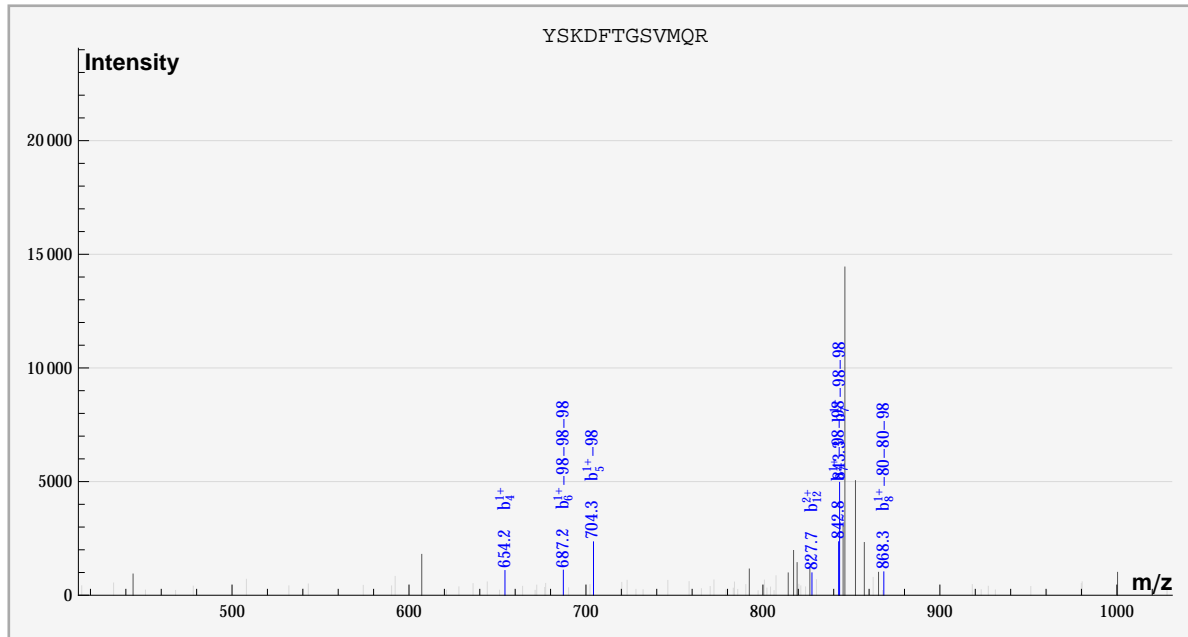
dbValid true YSKDFTGSVMQR Oxidation\_M(1),PHOS(3) 2. 838.  
 -0.212818 5.56735 100. ? 3306. S\_Acido\_new%gi|68567517|gb|AAy80446.1|  
 YSKDFTGSVMQR%:PHOS:PHOS:::PHOS:::Oxidation\_M:::sample\_0%compd\_1745



	#	b	b*	#	y	y*	P	P*
Y	1							
S	2			11				
K	3			10				
D	4	✓		9				
F	5	✓	✓	8				
T	6		✓	7				
G	7		✓	6				
S	8		✓	5				
V	9			4				
M	10			3				
Q	11			2				
R	12			1				

Y S K D \_ F \_ T \_ G \_ S \_ V M Q R

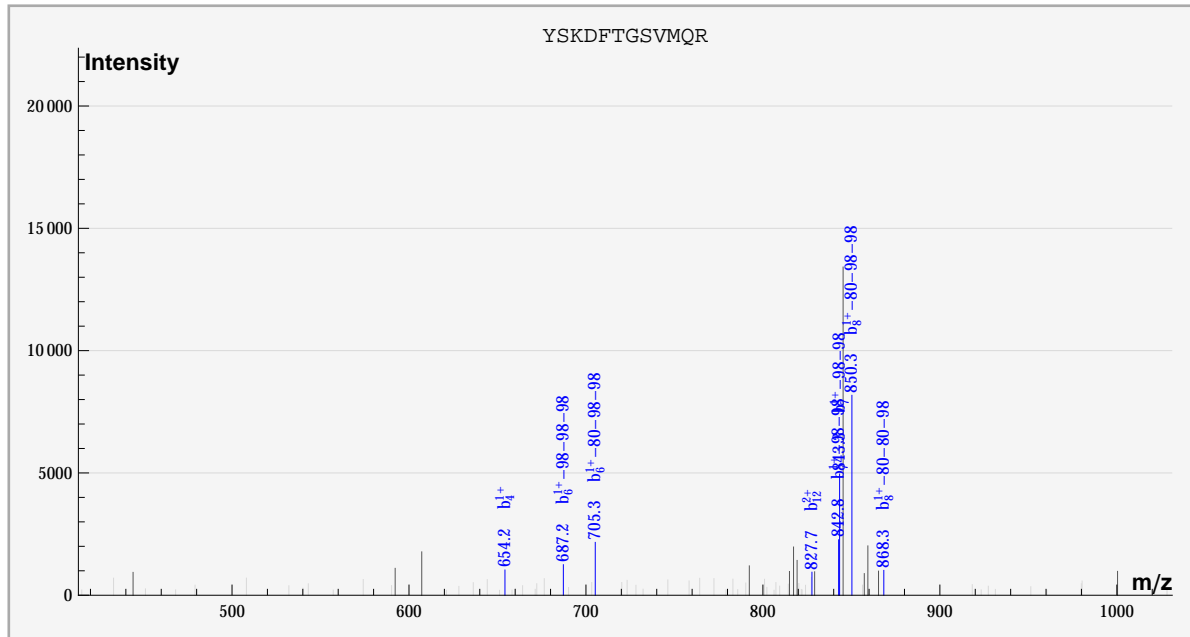
dbValid true YSKDFTGSVMQR Oxidation\_M(1),PHOS(3) 2. 838.  
 -0.212818 5.11089 100. ? 3318. S\_Acido\_new%gi|68567517|gb|AAY80446.1|  
 YSKDFTGSVMQR%:PHOS:PHOS:::PHOS:::Oxidation\_M:::sample\_0%compd\_1756



	#	b	b*	#	y	y*	P	P*
Y	1							
S	2			11				
K	3			10				
D	4	✓		9				
F	5		✓	8				
T	6		✓	7				
G	7		✓	6				
S	8		✓	5				
V	9			4				
M	10			3				
Q	11			2				
R	12	✓		1				

Y S K D \_ F \_ T \_ G \_ S \_ V M Q R \_

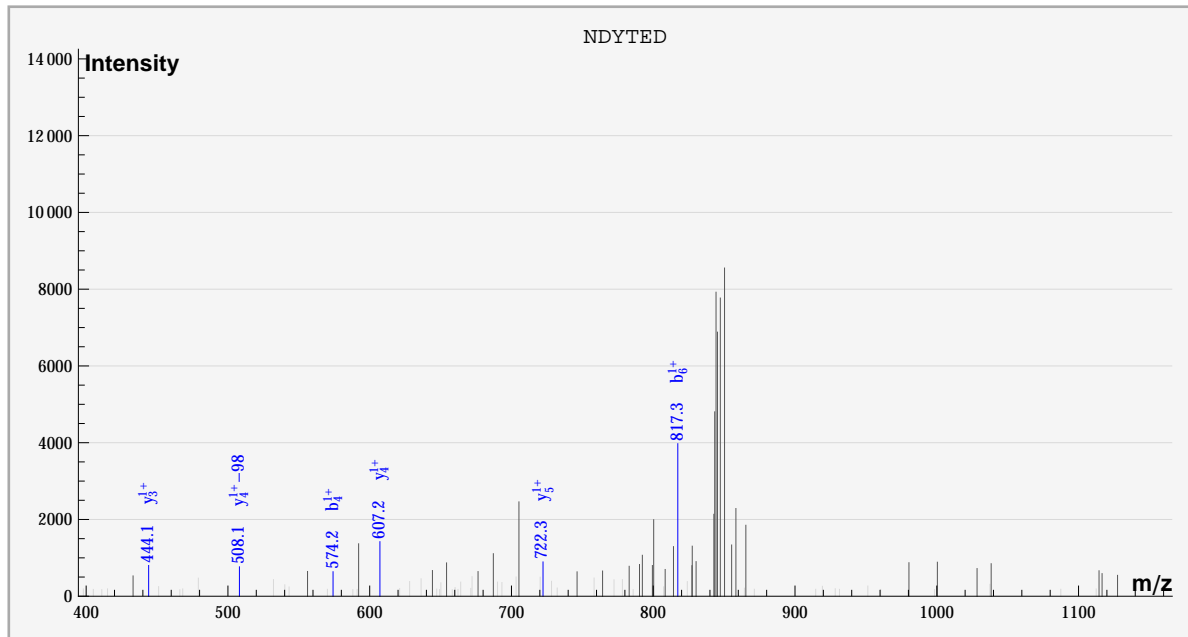
dbValid true YSKDFTGSVMQR Oxidation\_M(1),PHOS(3) 2. 838.  
 -0.212818 5.4901 100. ? 3330. S\_Acido\_new%g|68567517|gb|AAY80446.1|  
 YSKDFTGSVMQR%:PHOS:PHOS:::PHOS:::Oxidation\_M:::sample\_0%compd\_1766



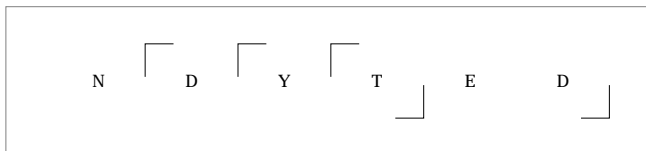
	#	b	b*	#	y	y*	P	P*
Y	1							
S	2			11				
K	3			10				
D	4	✓		9				
F	5			8				
T	6		✓	7				
G	7		✓	6				
S	8		✓	5				
V	9			4				
M	10			3				
Q	11			2				
R	12	✓		1				

Y S K D F T G S V M Q R

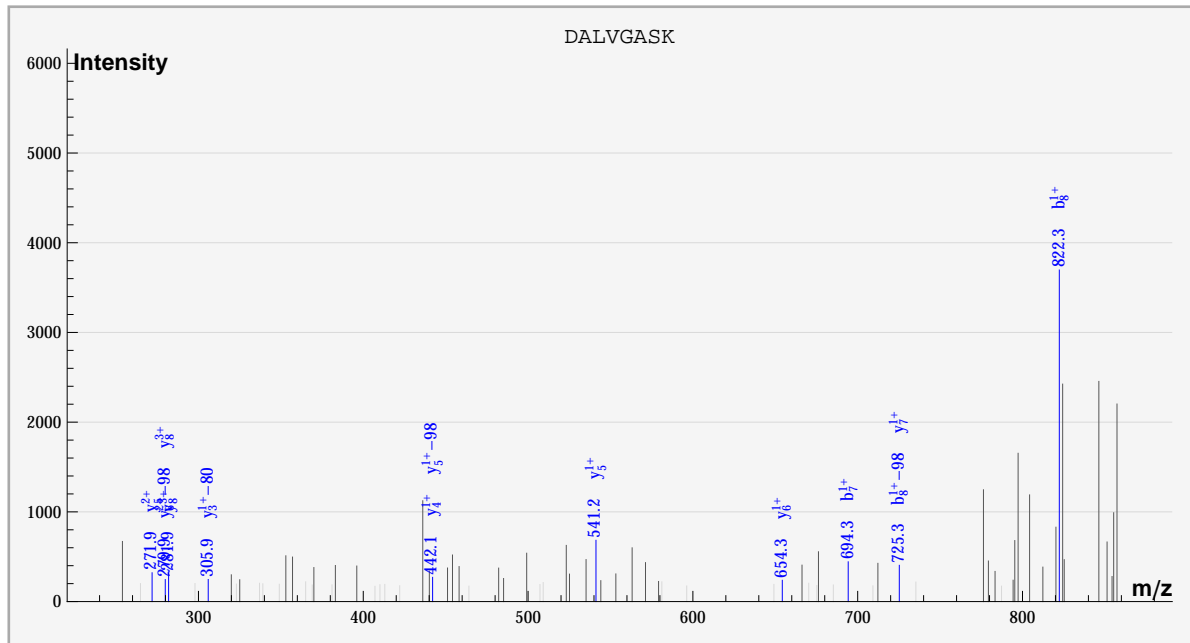
dbValid true NDYTED PHOS(1) 1. 838. -1.76544 4.99224 100. ? 3366.  
 S\_Acido\_new%gi|68566787|gb|AAY79716.1| NDYTED%:::PHOS:::sample\_0%compd\_1796



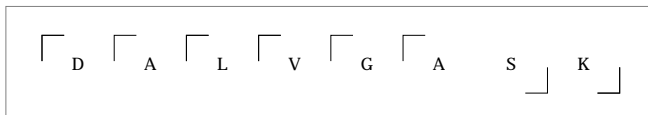
	#	b	b*	#	y	y*	P	P*
N	1							
D	2			5	✓			
Y	3			4	✓	✓		
T	4	✓		3	✓			
E	5			2				
D	6	✓		1				



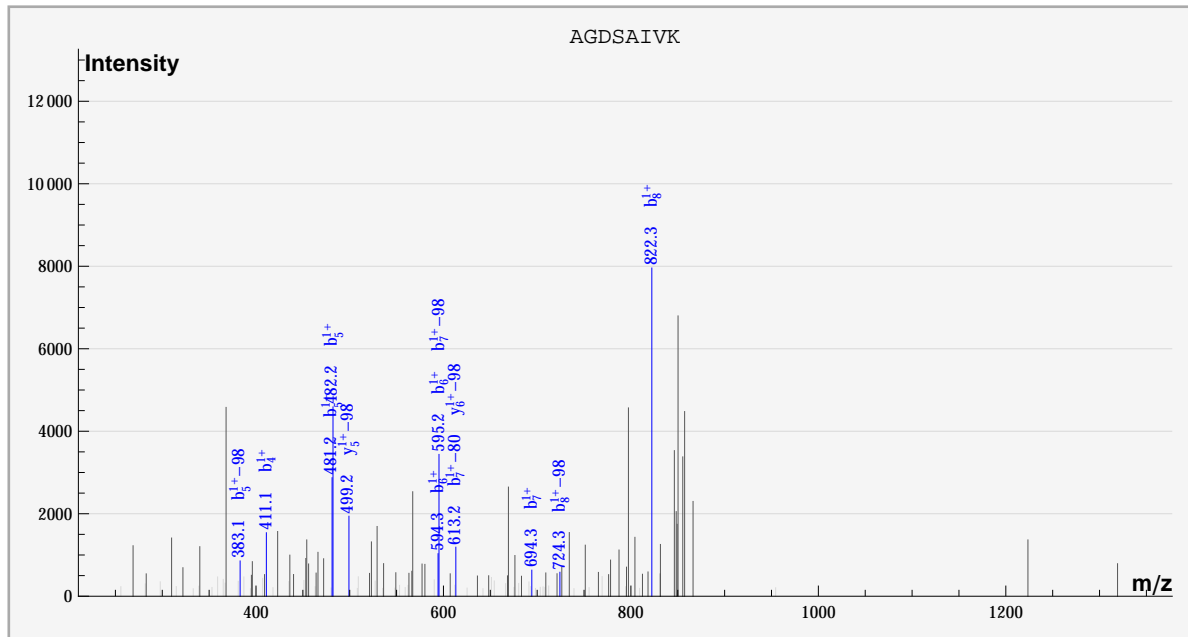
dbValid true DALVGASK PHOS(1) 1. 842. -1.61377 5.28347 100. ? 1686.  
 S\_Acido\_new%gi68568496|gb|AAY81425.1| DALVGASK%:::PHOS::%sample\_1%cmpd\_367



	#	b	b*	#	y	y*	P	P*
D	1							✓
A	2			7	✓			
L	3			6	✓	✓		
V	4			5	✓	✓		
G	5			4	✓			
A	6			3		✓		
S	7	✓		2				
K	8	✓	✓	1				



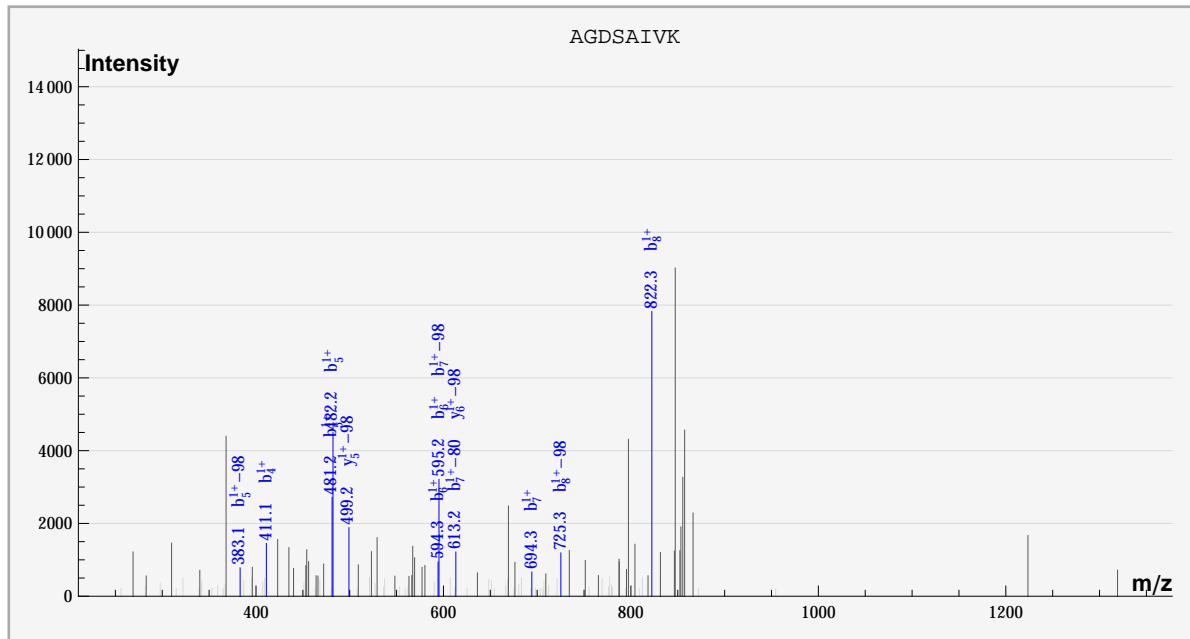
dbValid true AGDSAIVK PHOS(1) 1. 842. -1.61377 5.62328 100. ? 2496.  
 S\_Acido\_new%gi|68567136|gb|AAY80065.1| AGDSAIVK%::::PHOS::::%sample\_1%cmpd\_1054



	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7				
D	3			6		✓		
S	4	✓		5		✓		
A	5	✓	✓	4				
I	6	✓		3				
V	7	✓	✓	2				
K	8	✓	✓	1				



dbValid true AGDSAIVK PHOS(1) 1. 842. -1.61377 5.20853 100. ? 2508.  
 S\_Acido\_new%gi|68567136|gb|AAY80065.1| AGDSAIVK%::::PHOS::::%sample\_1%cmpd\_1064

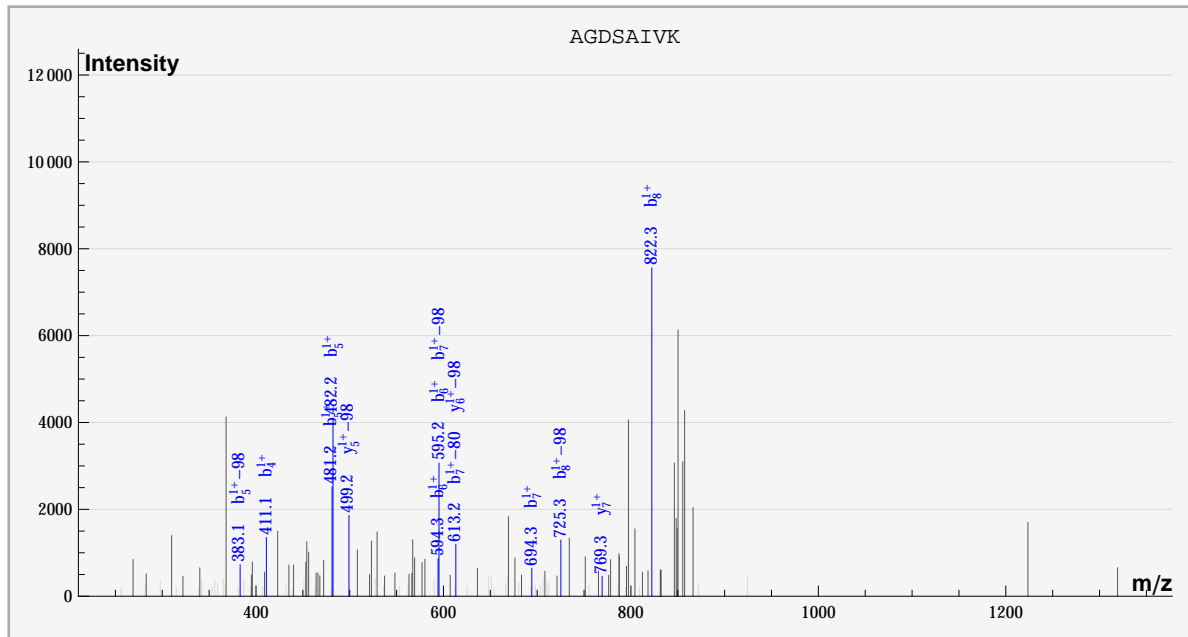


	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7				
D	3			6		✓		
S	4	✓		5		✓		
A	5	✓	✓	4				
I	6	✓		3				
V	7	✓	✓	2				
K	8	✓	✓	1				





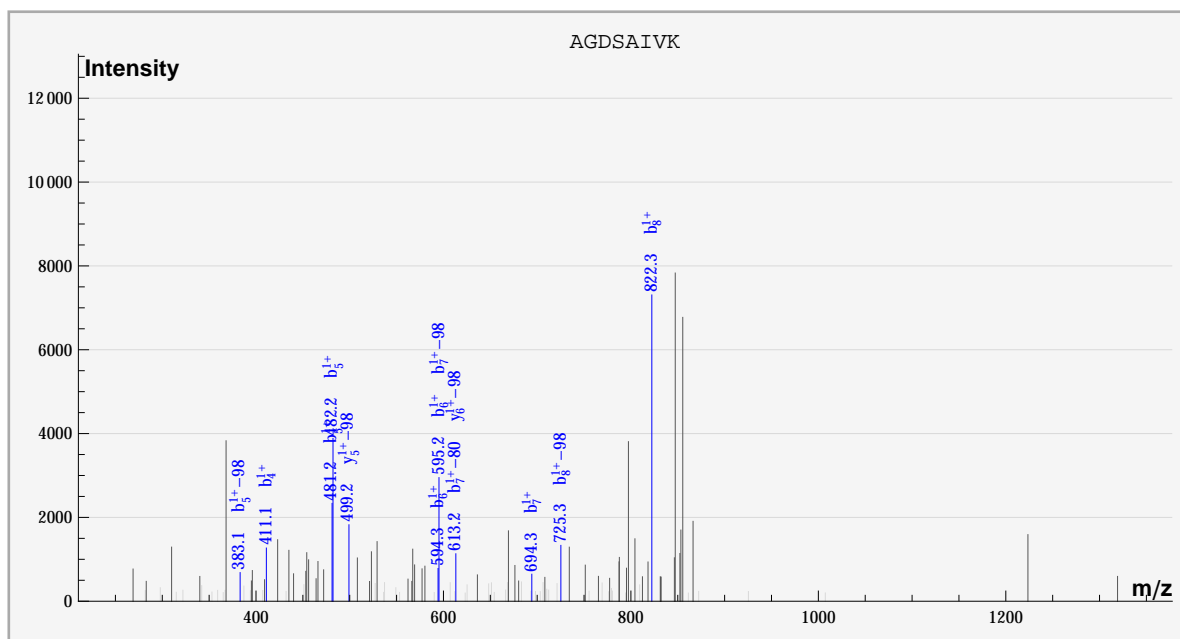
dbValid true AGDSAIVK PHOS(1) 1. 842. -1.61377 5.26799 100. ? 2520.  
 S\_Acido\_new%gi|68567136|gb|AAY80065.1| AGDSAIVK%::::PHOS::::%sample\_1%cmpd\_1075



	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7	✓			
D	3			6		✓		
S	4	✓		5		✓		
A	5	✓	✓	4				
I	6	✓		3				
V	7	✓	✓	2				
K	8	✓	✓	1				



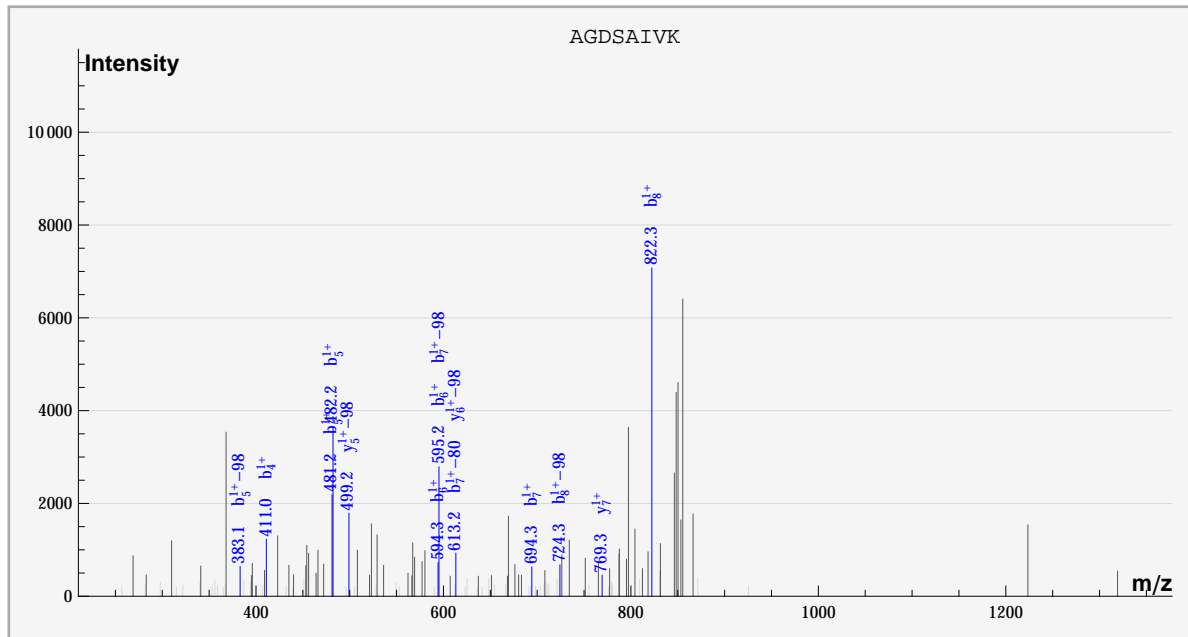
dbValid true AGDSAIVK PHOS(1) 1. 842. -1.61377 5.52795 100. ? 2532.  
 S\_Acido\_new%gi|68567136|gb|AAY80065.1| AGDSAIVK%::::PHOS::::%sample\_1%compd\_1085



	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7				
D	3			6		✓		
S	4	✓		5		✓		
A	5	✓	✓	4				
I	6	✓		3				
V	7	✓	✓	2				
K	8	✓	✓	1				



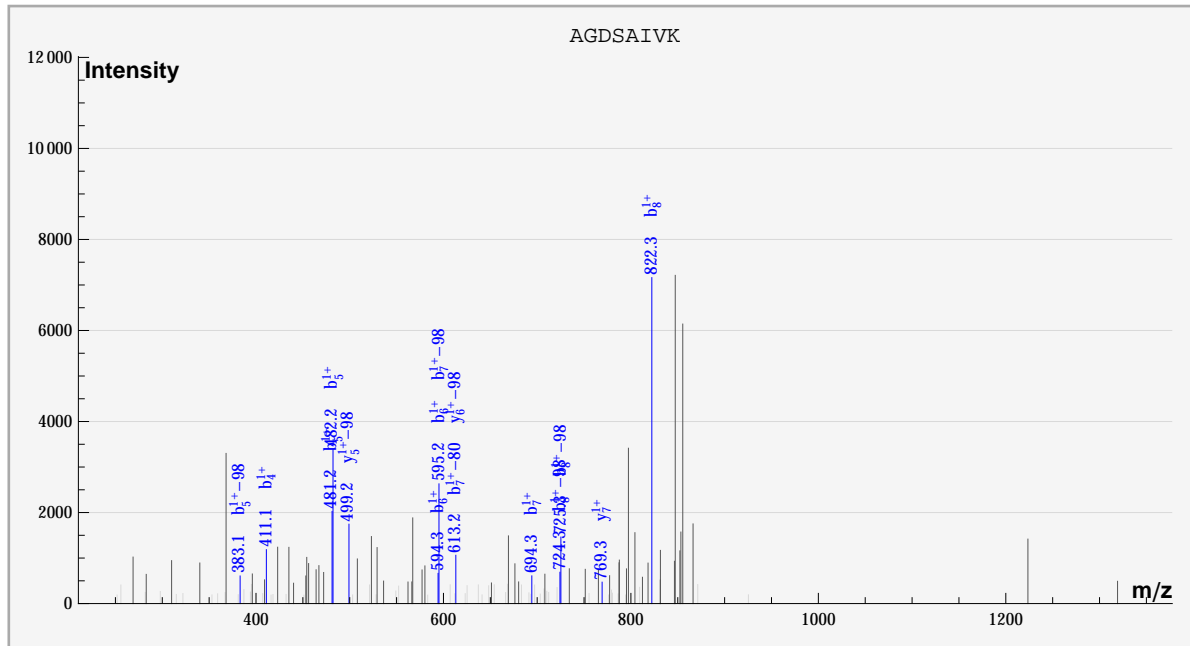
dbValid true AGDSAIVK PHOS(1) 1. 842. -1.61377 5.5298 100. ? 2544.  
 S\_Acido\_new%gi|68567136|gb|AAI80065.1| AGDSAIVK%::::PHOS::::%sample\_1%cmpd\_1095



	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7	✓			
D	3			6		✓		
S	4	✓		5		✓		
A	5	✓	✓	4				
I	6	✓		3				
V	7	✓	✓	2				
K	8	✓	✓	1				



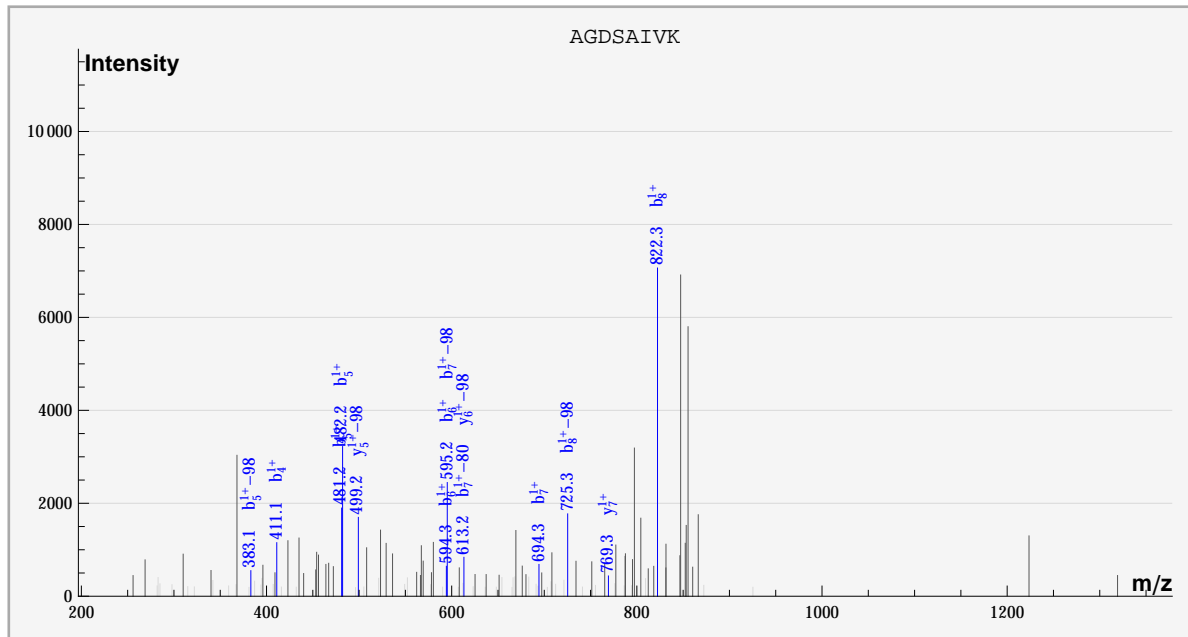
dbValid true AGDSAIVK PHOS(1) 1. 842. -1.61377 5.49648 100. ? 2556.  
 S\_Acido\_new%gi|68567136|gb|AAY80065.1| AGDSAIVK%::::PHOS::::%sample\_1%compd\_1105



	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7	✓			
D	3			6		✓		
S	4	✓		5		✓		
A	5	✓	✓	4				
I	6	✓		3				
V	7	✓	✓	2				
K	8	✓	✓	1				



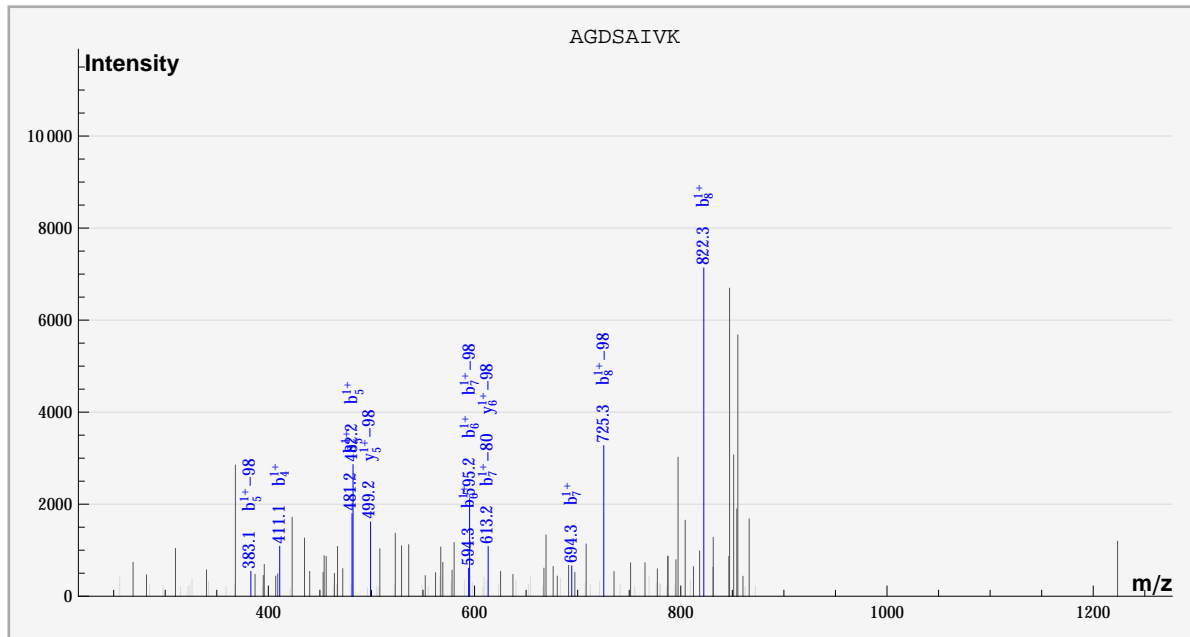
dbValid true AGDSAIVK PHOS(1) 1. 842. -1.61377 5.36408 100. ? 2574.  
 S\_Acido\_new%gi|68567136|gb|AAY80065.1| AGDSAIVK%::::PHOS::::%sample\_1%cmpd\_1115



	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7	✓			
D	3			6		✓		
S	4	✓		5		✓		
A	5	✓	✓	4				
I	6	✓		3				
V	7	✓	✓	2				
K	8	✓	✓	1				



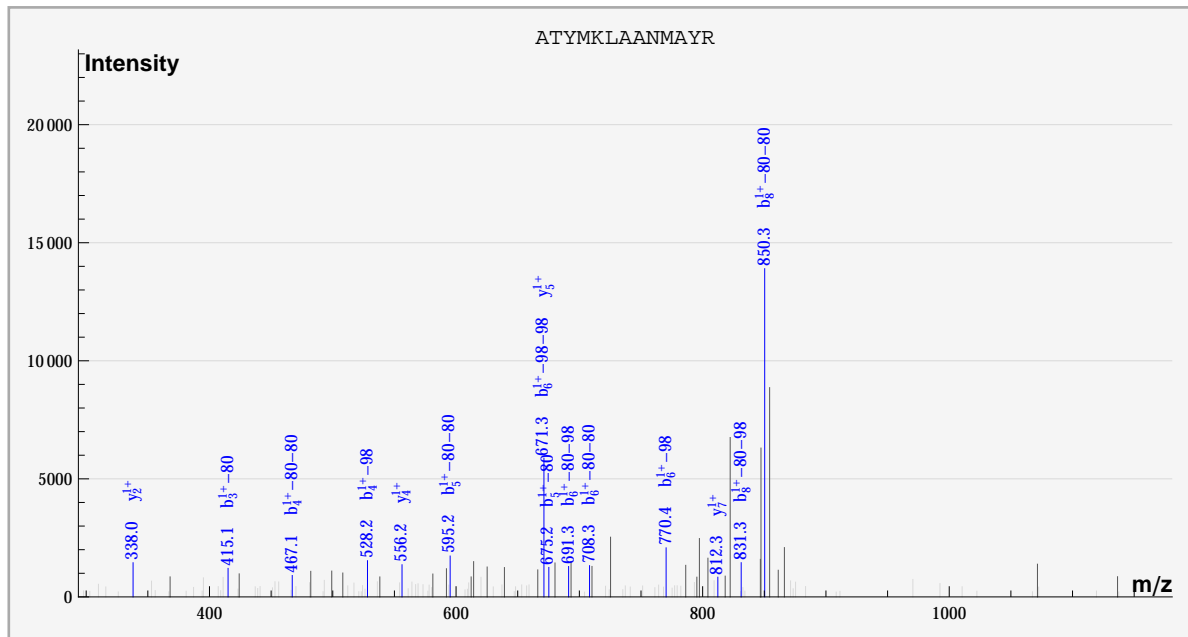
dbValid true AGDSAIVK PHOS(1) 1. 842. -1.61377 5.19824 100. ? 2586.  
 S\_Acido\_new%gi|68567136|gb|AAY80065.1| AGDSAIVK%::::PHOS::::%sample\_1%compd\_1126



	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7				
D	3			6		✓		
S	4	✓		5		✓		
A	5	✓	✓	4				
I	6	✓		3				
V	7	✓	✓	2				
K	8	✓	✓	1				



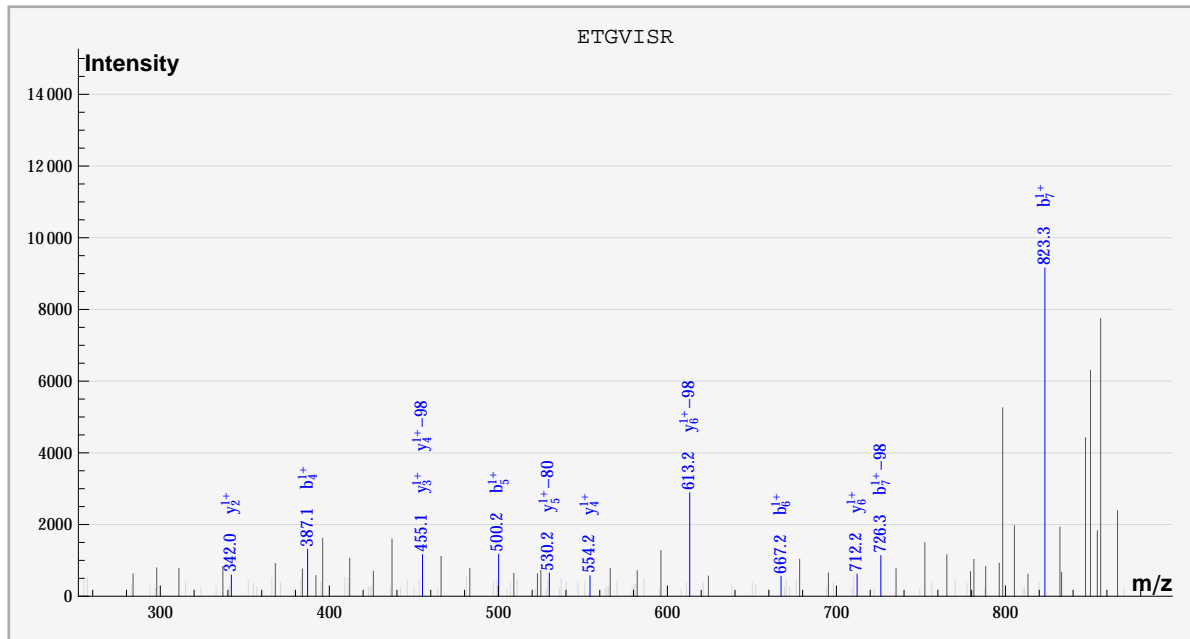
dbValid true ATYMKLAANMAYR Oxidation\_M(1),PHOS(2) 2. 842. -1.66027 5.38605 100. ? 2808.  
 S\_Acido\_new%gil68568590|gb|AAY81519.1| ATYMKLAANMAYR%::PHOS:PHOS:Oxidation\_M:::sample\_1%cmpd\_1321



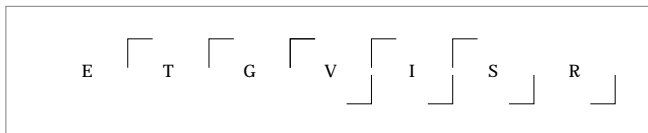
	#	b	b*	#	y	y*	P	P*
A	1							
T	2			12				
Y	3	✓		11				
M	4	✓		10				
K	5	✓		9				
L	6	✓		8				
A	7			7	✓			
A	8	✓		6				
N	9			5	✓			
M	10			4	✓			
A	11			3				
Y	12			2	✓			
R	13			1				

A T Y M K L A A N M A Y R

dbValid true ETGVISR PHOS(1) 1. 843. -1.61851 5.75216 100. ? 2412.  
 S\_Acido\_new%gi|68568331|gb|AAY81260.1| ETGVISR%:::PHOS::%sample\_1%compd\_982

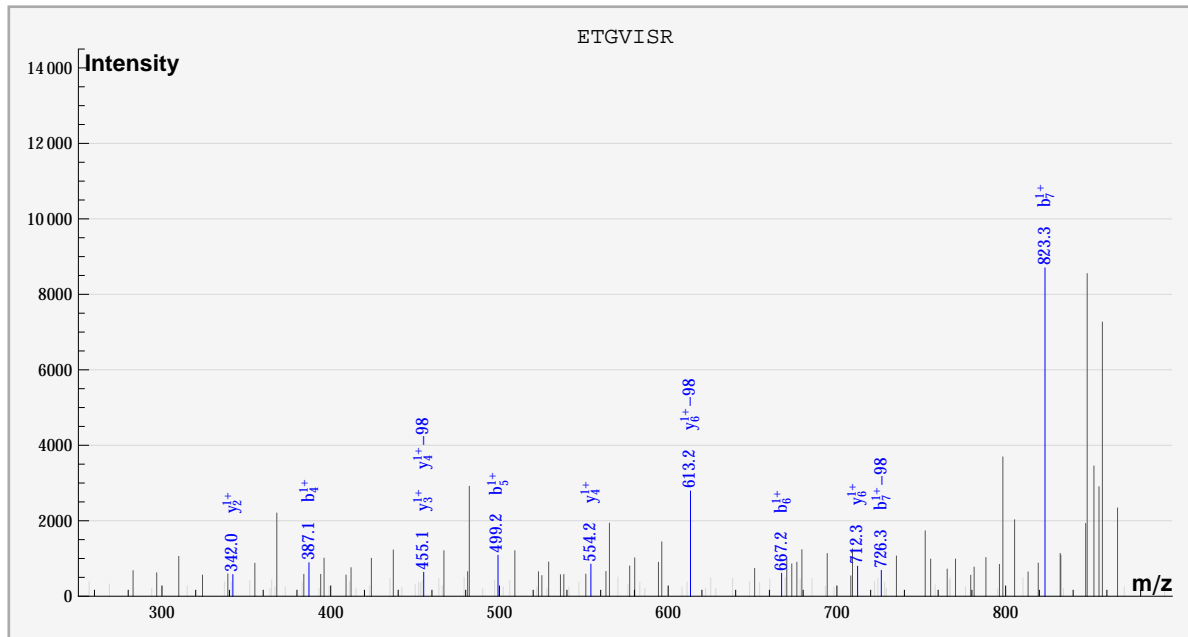


	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6	✓	✓		
G	3			5		✓		
V	4	✓		4	✓	✓		
I	5	✓		3	✓			
S	6	✓		2	✓			
R	7	✓	✓	1				

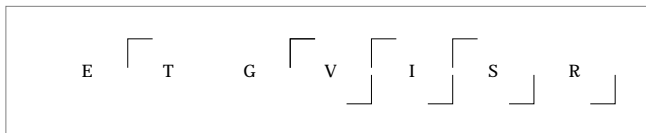




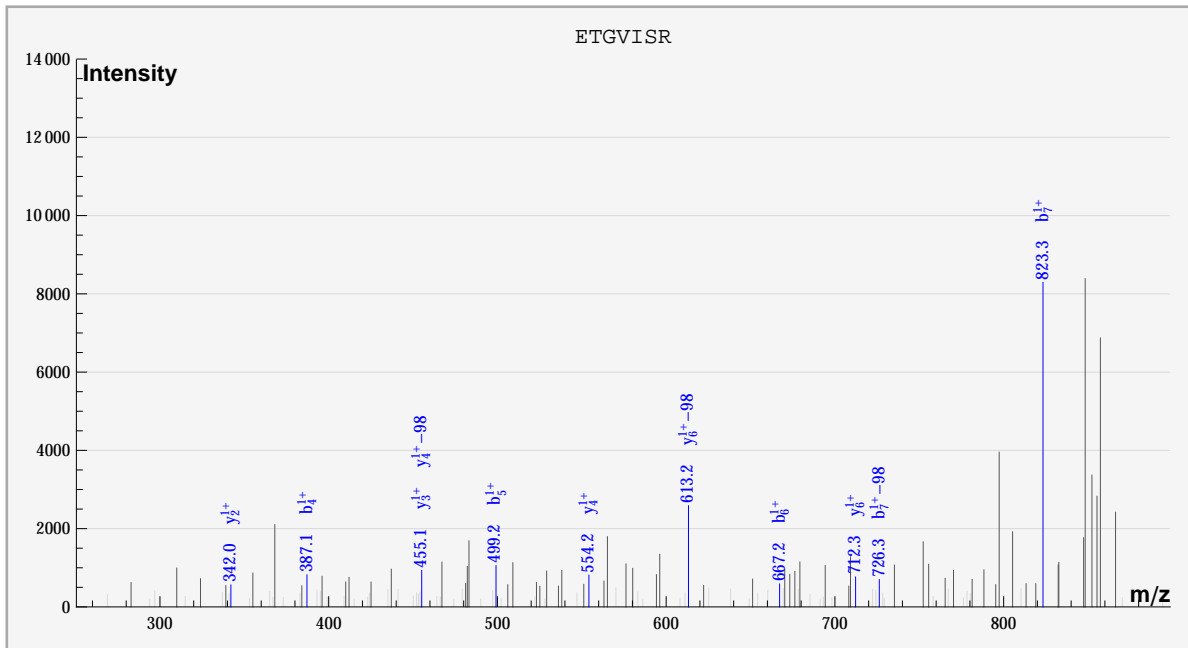
dbValid true ETGVISR PHOS(1) 1. 843. -1.61851 5.81135 100. ? 2496.  
 S\_Acido\_new%gi|68568331|gb|AAY81260.1| ETGVISR%:::PHOS::%sample\_1%compd\_1055



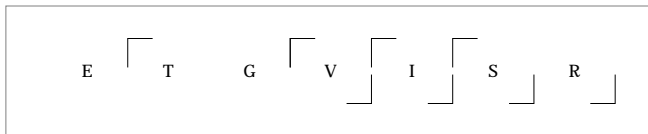
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6	✓	✓		
G	3			5				
V	4	✓		4	✓	✓		
I	5	✓		3	✓			
S	6	✓		2	✓			
R	7	✓	✓	1				



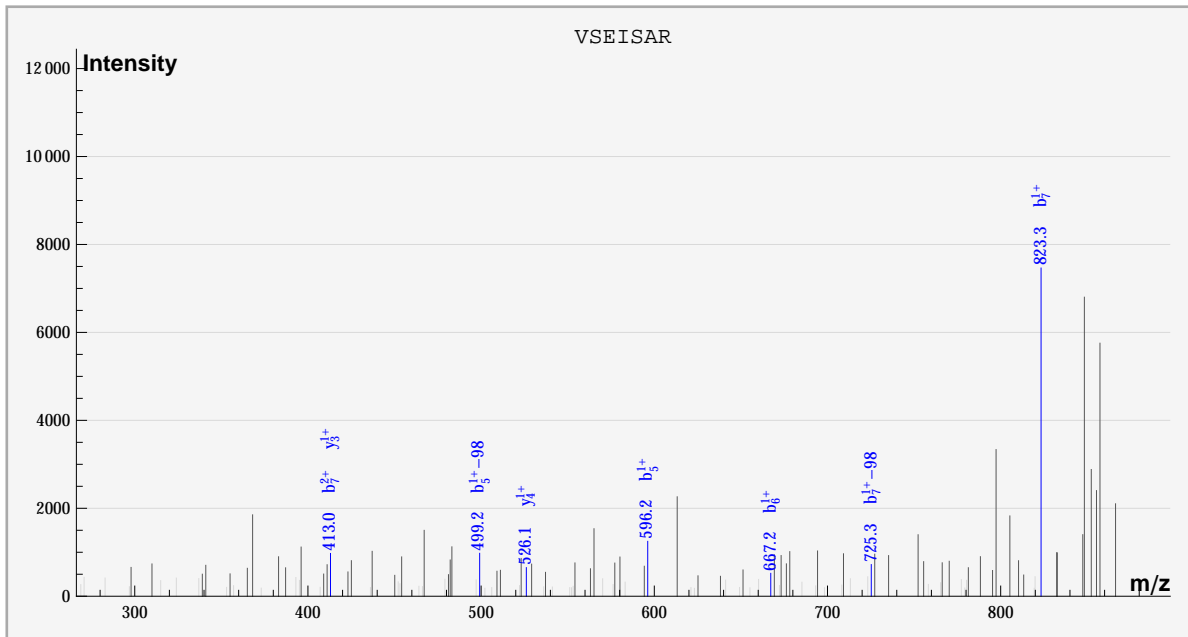
dbValid true ETGVISR PHOS(1) 1. 843. -1.61851 5.72454 100. ? 2508.  
 S\_Acido\_new%gi|68568331|gb|AAY81260.1| ETGVISR%:::::PHOS::%sample\_1%compd\_1065



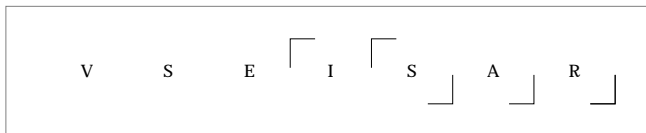
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6	✓	✓		
G	3			5				
V	4	✓		4	✓	✓		
I	5	✓		3	✓			
S	6	✓		2	✓			
R	7	✓	✓	1				



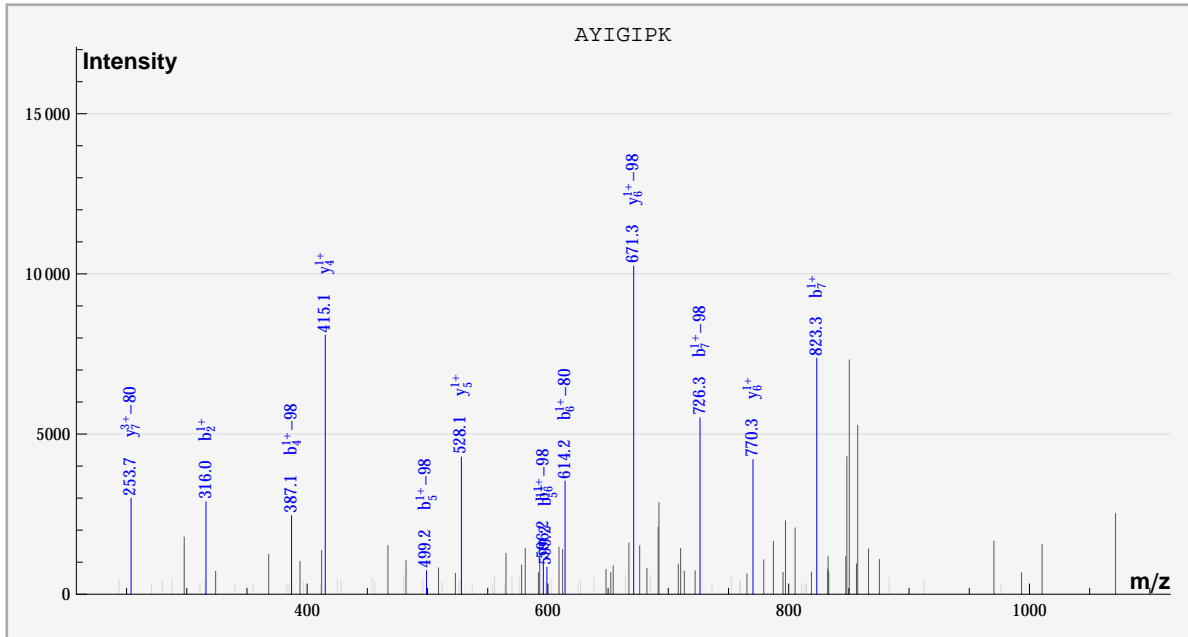
dbValid true VSEISAR PHOS(1) 1. 843. -1.61851 5.18102 100. ? 2550.  
 S\_Acido\_new%gi|68567508|gb|AAY80437.1| VSEISAR%::::PHOS:::sample\_1%compd\_1096



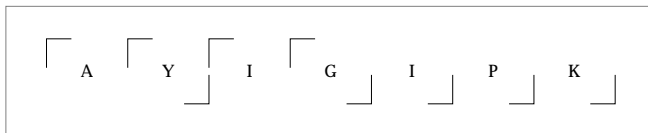
	#	b	b*	#	y	y*	P	P*
V	1							
S	2			6				
E	3			5				
I	4			4	✓			
S	5	✓	✓	3	✓			
A	6	✓		2				
R	7	✓	✓	1				



dbValid true AYIGIPK PHOS(1) 1. 843. -1.57811 5.41334 100. ? 2706.  
 S\_Acido\_new%gi|68566583|gb|AAY79512.1| AYIGIPK:::PHOS:::sample\_1%compd\_1229

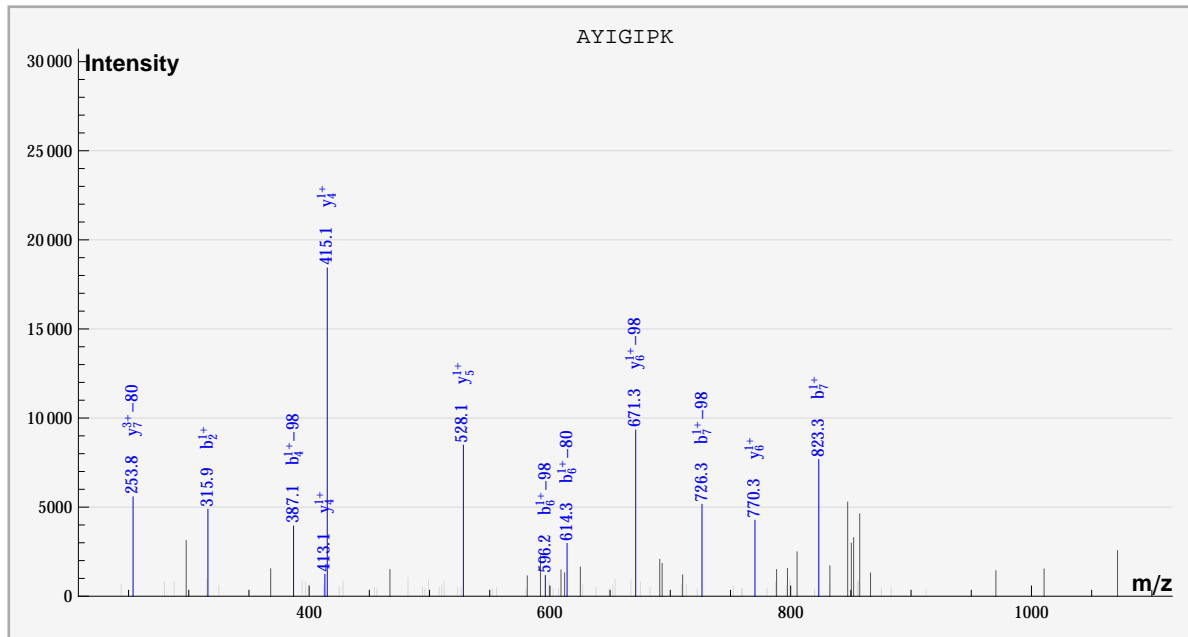


	#	b	b*	#	y	y*	P	P*
A	1							✓
Y	2	✓		6	✓	✓		
I	3			5	✓			
G	4		✓	4	✓			
I	5	✓	✓	3				
P	6		✓	2				
K	7	✓	✓	1				

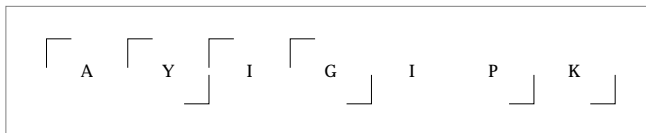


dbValid true AYIGIPK PHOS(1) 1. 843. -1.57811 5.36921 100. ? 2712.

S\_Acido\_new%gi|68566583|gb|AAY79512.1| AYIGIPK%::PHOS:::%sample\_1%compd\_1239

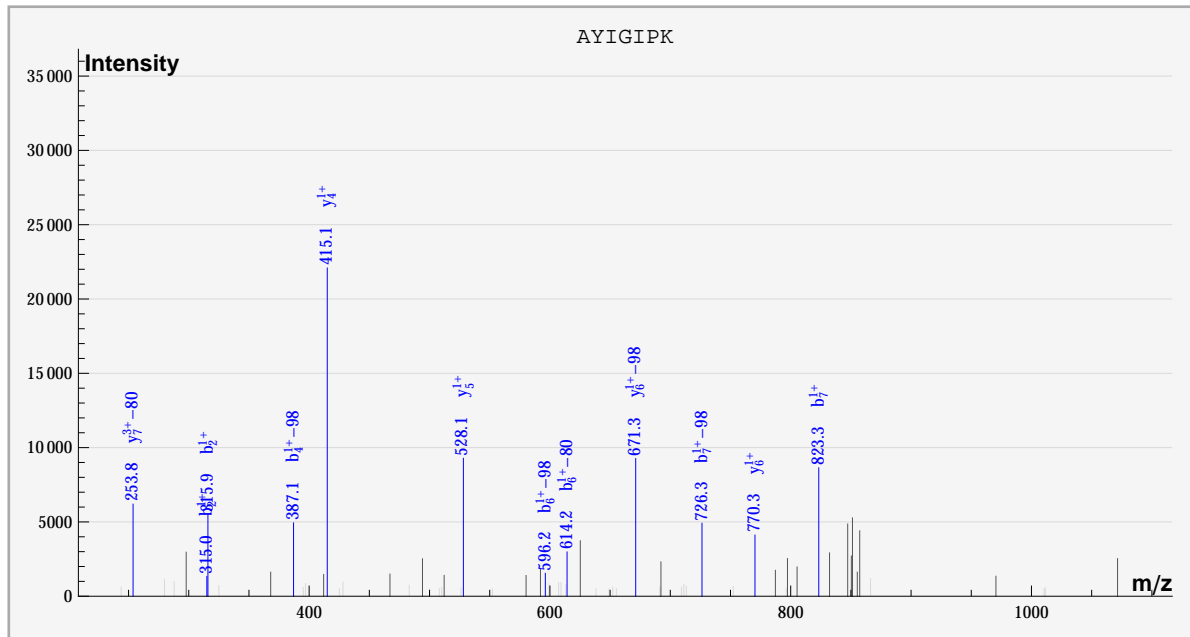


	#	b	b*	#	y	y*	P	P*
A	1							✓
Y	2	✓		6	✓	✓		
I	3			5	✓			
G	4		✓	4	✓			
I	5			3				
P	6		✓	2				
K	7	✓	✓	1				

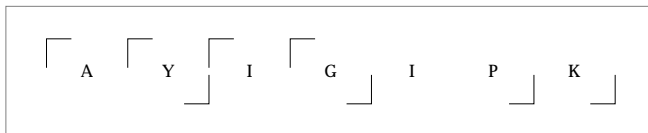


dbValid true AYIGIPK PHOS(1) 1. 843. -1.57811 6.09681 100. ? 2724.

S\_Acido\_new%gi|68566583|gb|AAY79512.1| AYIGIPK%::PHOS:::%sample\_1%compd\_1250

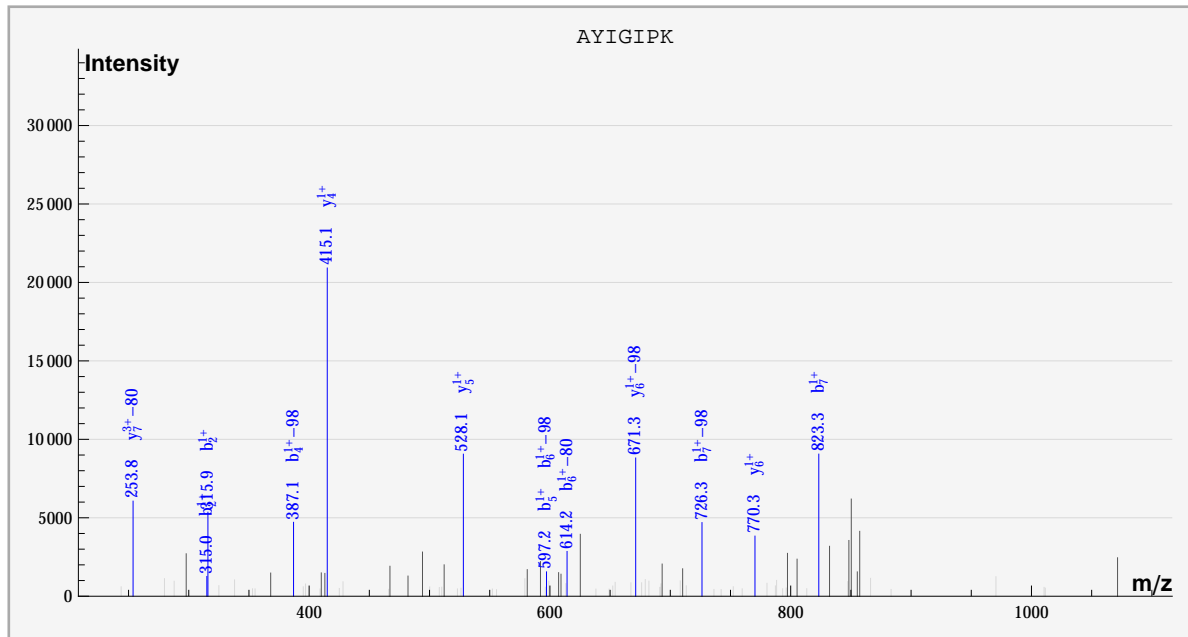


	#	b	b*	#	y	y*	P	P*
A	1							✓
Y	2	✓		6	✓	✓		
I	3			5	✓			
G	4		✓	4	✓			
I	5			3				
P	6		✓	2				
K	7	✓	✓	1				

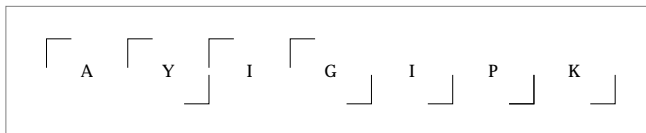


dbValid true AYIGIPK PHOS(1) 1. 843. -1.57811 5.26832 100. ? 2736.

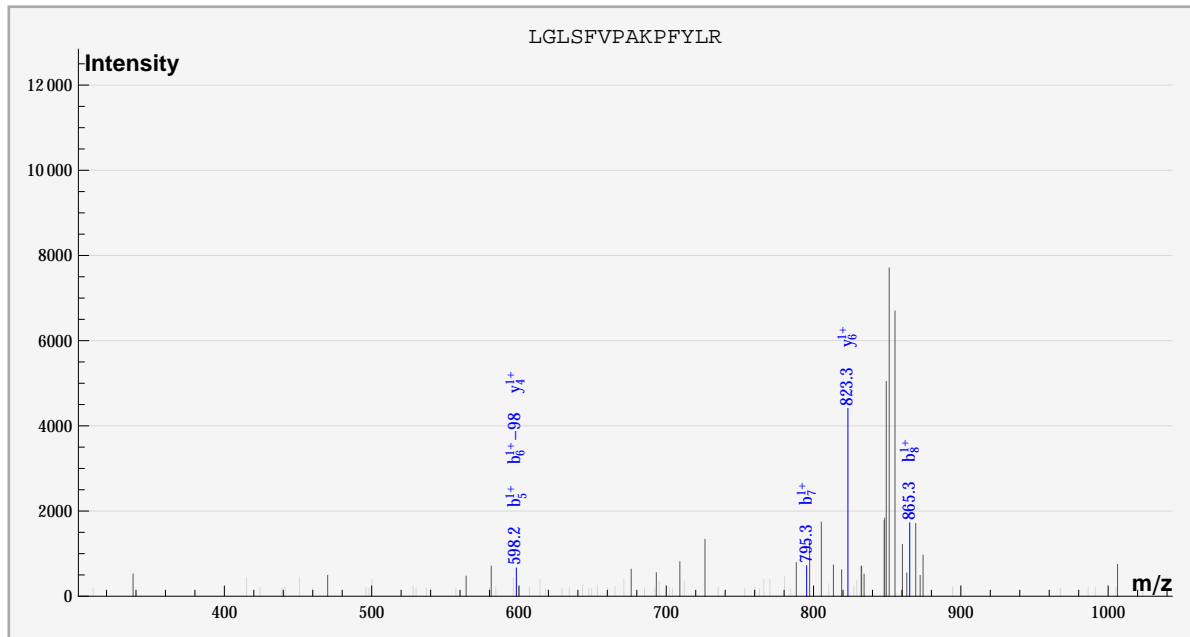
S\_Acido\_new%gi|68566583|gb|AAY79512.1| AYIGIPK%::PHOS:::%sample\_1%compd\_1260



	#	b	b*	#	y	y*	P	P*
A	1							✓
Y	2	✓		6	✓	✓		
I	3			5	✓			
G	4		✓	4	✓			
I	5	✓		3				
P	6		✓	2				
K	7	✓	✓	1				



dbValid true LGLSFVPAKPFYLR PHOS(1) 2. 843. 1.45218 5.39557 100. ? 3306.  
 S\_Acido\_new%gi|68567442|gb|AA80371.1| LGLSFVPAKPFYLR%::::PHOS::::::::::%sample\_1%compd\_1744

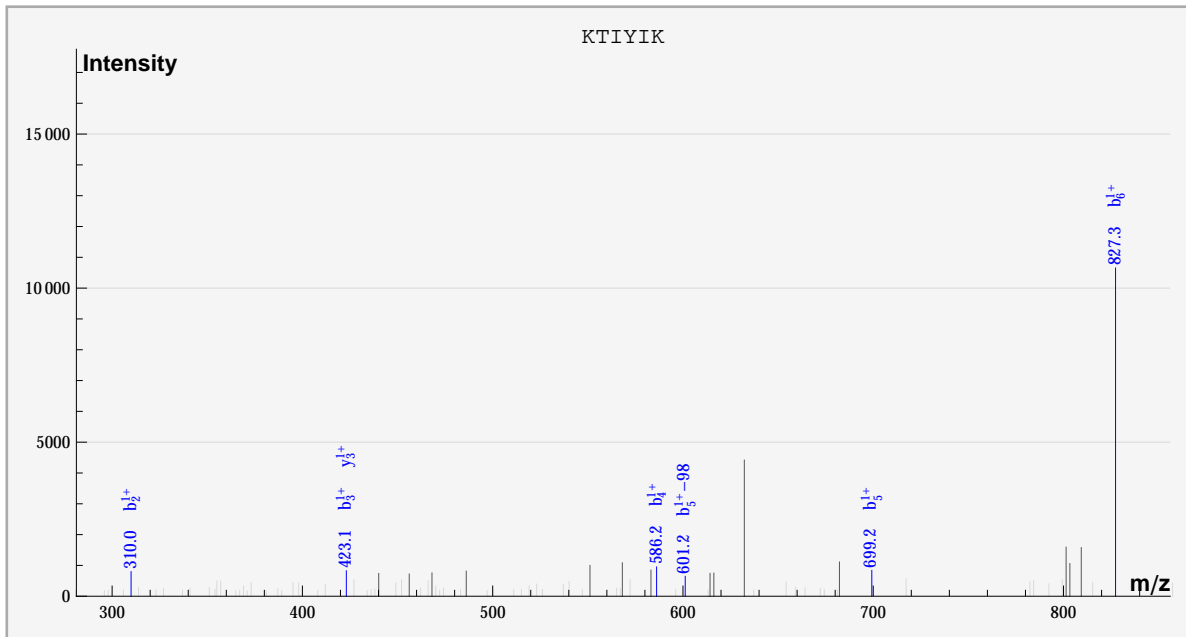


	#	b	b*	#	y	y*	P	P*
L	1							
G	2			13				
L	3			12				
S	4			11				
F	5	✓		10				
V	6		✓	9				
P	7	✓		8				
A	8	✓		7				
K	9			6	✓			
P	10			5				
F	11			4	✓			
Y	12			3				
L	13			2				
R	14			1				

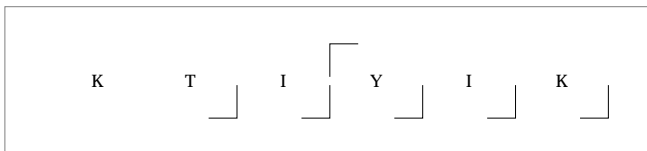
L G L S F V P A K P F Y L R



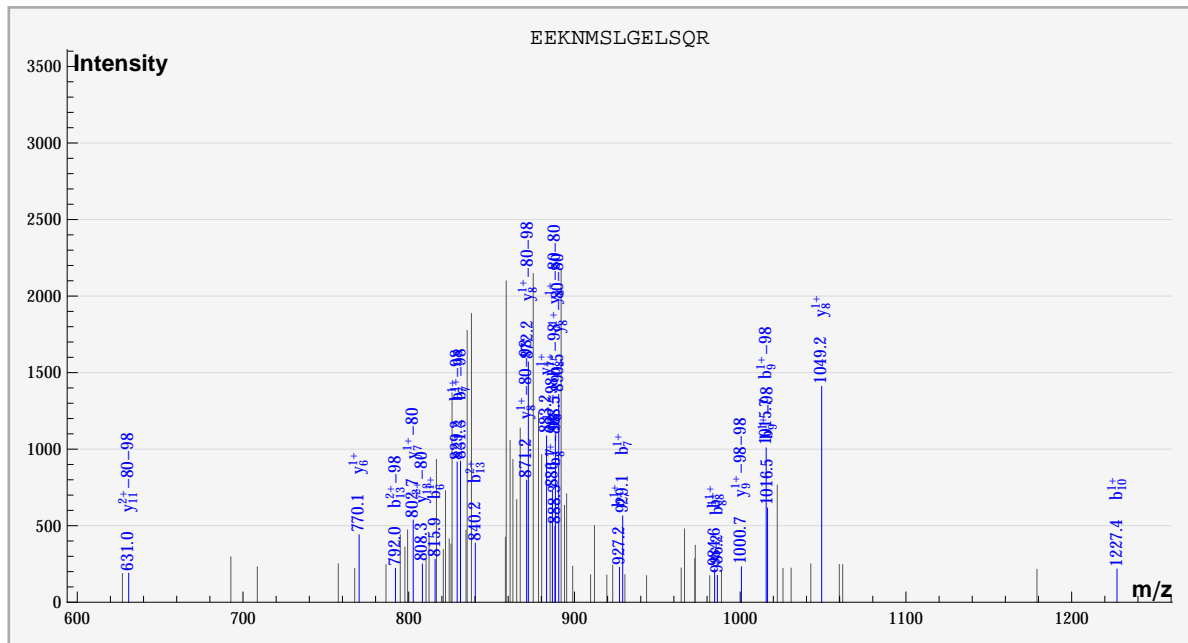
dbValid true KTIYIK PHOS(1) 1. 847. -1.5468 5.64499 100. ? 1422.  
 S\_Acido\_new%gi|68567231|gb|AAY80160.1| KTIYIK%::PHOS:::%sample\_1%cmpd\_158



	#	b	b*	#	y	y*	P	P*
K	1							
T	2	✓		5				
I	3	✓		4				
Y	4	✓		3	✓			
I	5	✓	✓	2				
K	6	✓		1				



dbValid true EEKNMSLGELSQR Oxidation\_M(1),PHOS(2) 2. 847.1 1.73606 5.18938 100. ? 3696.  
 S\_Acido\_new%gil68567750|gb|AAy80679.1| EEKNMSLGELSQR%:::Oxidation\_M:PHOS:::PHOS:::sample\_3%compd\_2156

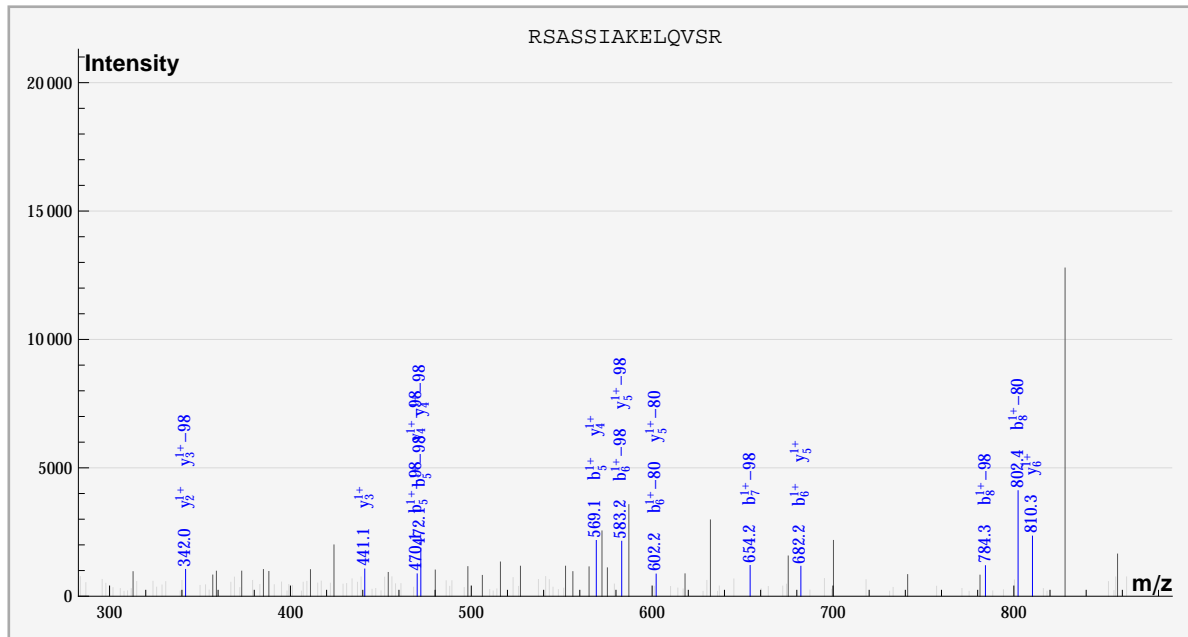


	#	b	b*	#	y	y*	P	P*
E	1							✓
E	2			12				
K	3			11		✓		
N	4			10				
M	5			9		✓		
S	6	✓		8	✓	✓		
L	7	✓	✓	7	✓	✓		
G	8	✓	✓	6	✓			
E	9		✓	5				
L	10	✓		4				
S	11			3				
Q	12			2				
R	13	✓	✓	1				

[ E E [ K N [ M [ S ] L ] G ] E ] L ] S Q R ]

dbValid true RSASSIAKELQVSR PHOS(2) 2. 848. -1.60252 5.35514 100. ? 1560.

S\_Acido\_new%gi|68567311|gb|AA80240.1| RSASSIAKELQVSR%:::::PHOS:::::PHOS::%sample\_1%compd\_263

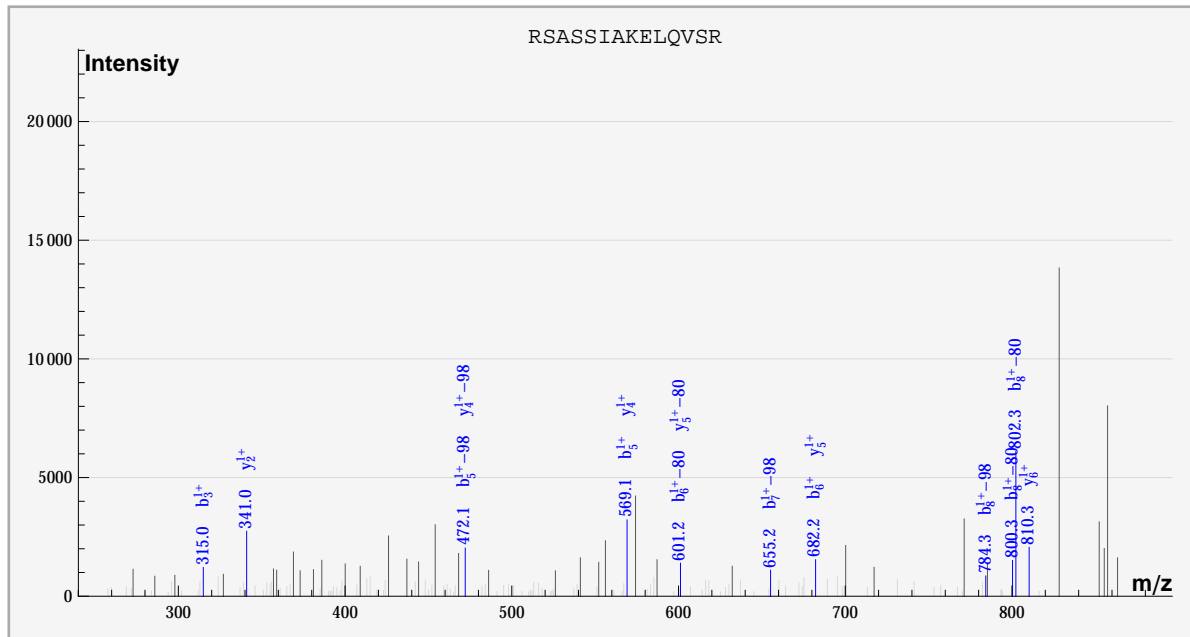


	#	b	b*	#	y	y*	P	P*
R	1							
S	2			13				
A	3			12				
S	4			11				
S	5	✓	✓	10				
I	6	✓	✓	9				
A	7		✓	8				
K	8		✓	7				
E	9			6	✓			
L	10			5	✓	✓		
Q	11			4	✓	✓		
V	12			3	✓	✓		
S	13			2	✓			
R	14			1				

R S A S S I A K E L Q V S R

dbValid true RSASSIAKELQVSR PHOS(2) 2. 848. -1.60252 5.13319 100. ? 1812.

S\_Acido\_new%gi|68567311|gb|AAY80240.1| RSASSIAKELQVSR%::::PHOS:::::PHOS::%sample\_1%cmpd\_475

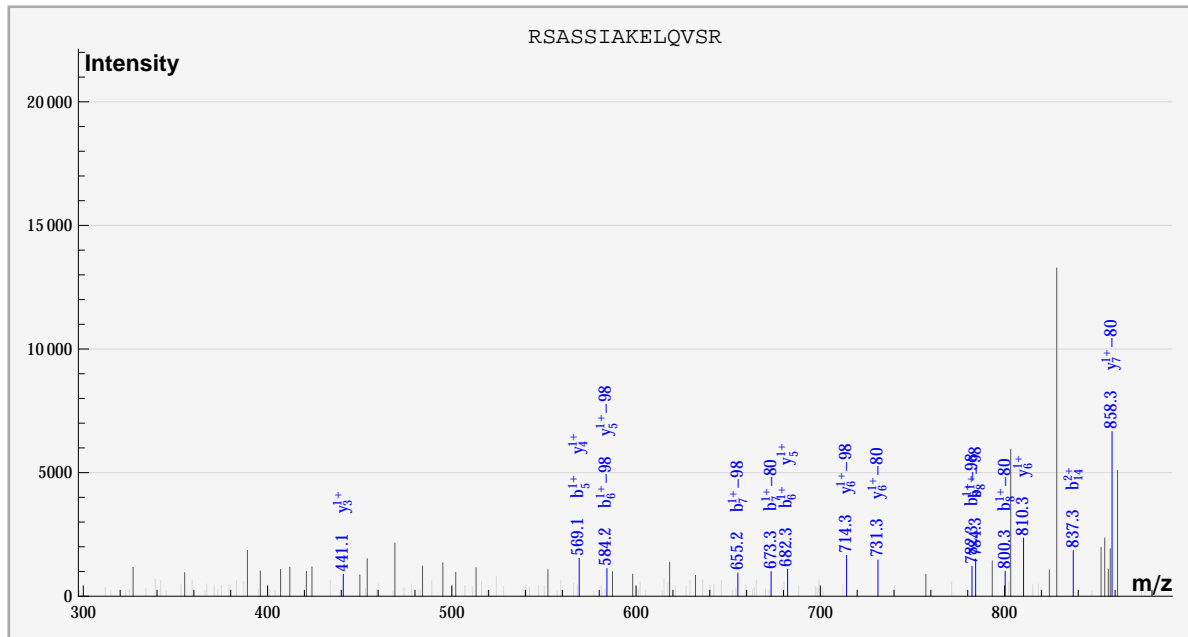


	#	b	b*	#	y	y*	P	P*
R	1							
S	2			13				
A	3	✓		12				
S	4			11				
S	5	✓	✓	10				
I	6	✓	✓	9				
A	7		✓	8				
K	8		✓	7				
E	9			6	✓			
L	10			5	✓	✓		
Q	11			4	✓	✓		
V	12			3				
S	13			2	✓			
R	14			1				

R S A S S I A K E L Q V S R

dbValid true RSASSIAKELQVSR PHOS(2) 2. 848. -1.60252 5.09591 100. ? 2550.

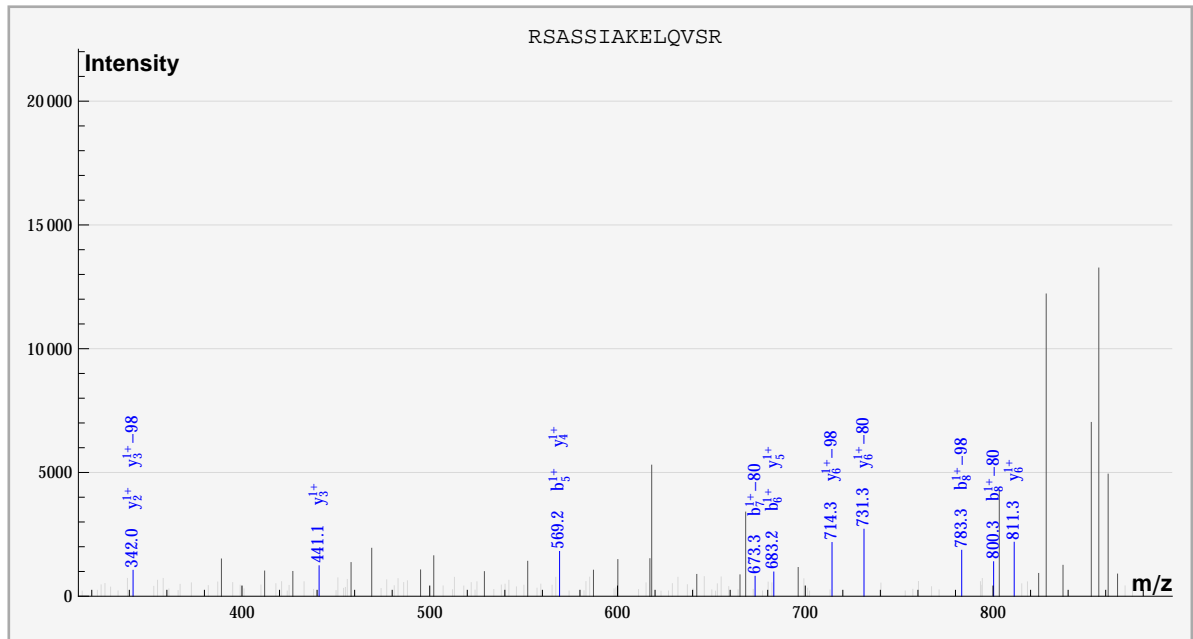
S\_Acido\_new%gi|68567311|gb|AA80240.1| RSASSIAKELQVSR%:::PHOS:::PHOS::%sample\_1%compd\_1101



	#	b	b*	#	y	y*	P	P*
R	1							
S	2			13				
A	3			12				
S	4			11				
S	5	✓		10				
I	6	✓	✓	9				
A	7		✓	8				
K	8		✓	7		✓		
E	9			6	✓	✓		
L	10			5	✓	✓		
Q	11			4	✓			
V	12			3	✓			
S	13			2				
R	14	✓		1				

R S A S S I A K E L Q V S R

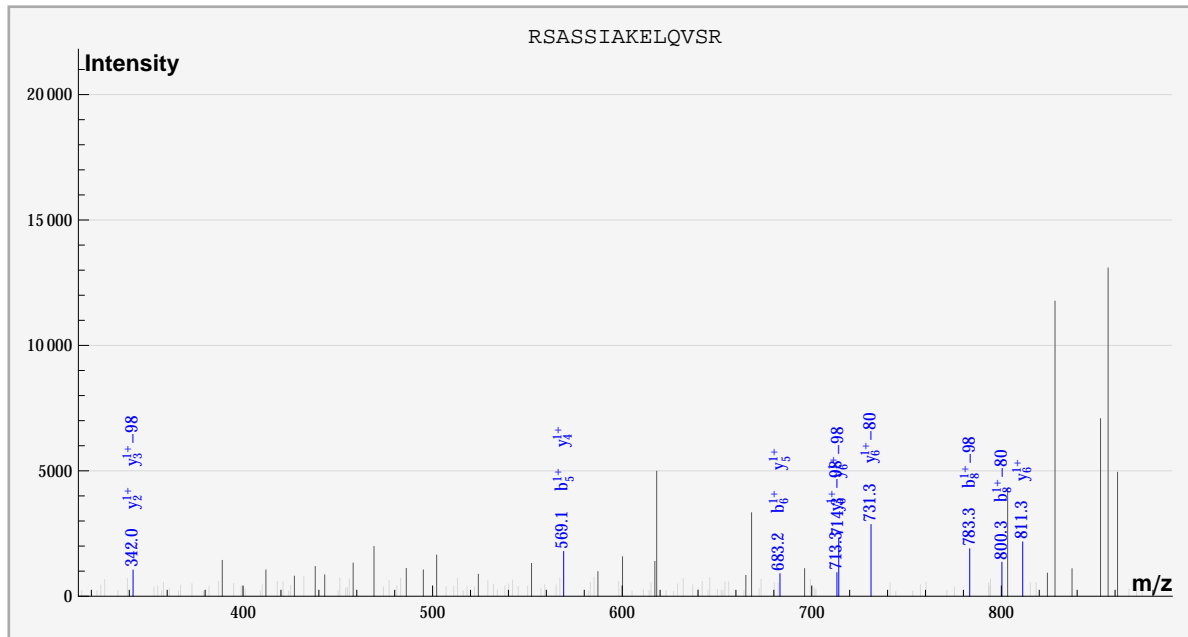
dbValid true RSASSIAKELQVSR PHOS(2) 2. 848. -1.60252 5.60696 100. ? 2634.  
 S\_Acido\_new%gi|68567311|gb|AAy80240.1| RSASSIAKELQVSR%:::::PHOS:::::PHOS::%sample\_1%compd\_1173



	#	b	b*	#	y	y*	P	P*
R	1							
S	2			13				
A	3			12				
S	4			11				
S	5	✓		10				
I	6	✓		9				
A	7		✓	8				
K	8		✓	7				
E	9			6	✓	✓		
L	10			5	✓			
Q	11			4	✓			
V	12			3	✓	✓		
S	13			2	✓			
R	14			1				

R S A S S I A K E L Q V S R

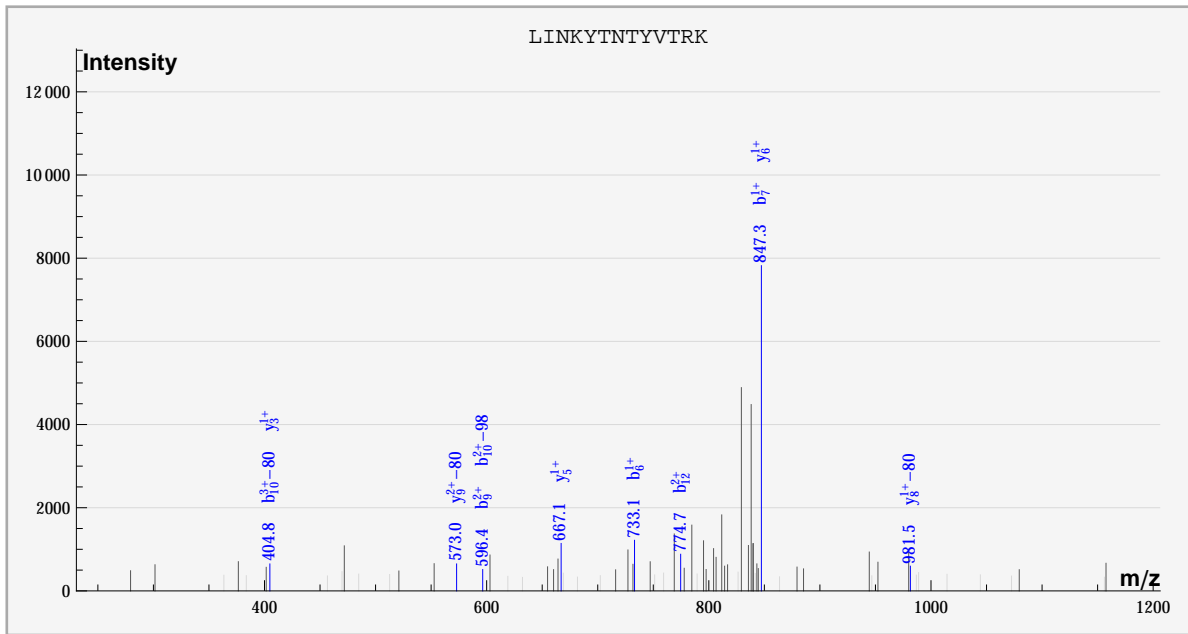
dbValid true RSASSIAKELQVSR PHOS(2) 2. 848. -1.60252 5.16135 100. ? 2646.  
 S\_Acido\_new%gi|68567311|gb|AA80240.1| RSASSIAKELQVSR%:::::PHOS:::::PHOS::%sample\_1%compd\_1184



	#	b	b*	#	y	y*	P	P*
R	1							
S	2			13				
A	3			12				
S	4			11				
S	5	✓		10				
I	6	✓		9				
A	7			8				
K	8		✓	7				
E	9			6	✓	✓		
L	10			5	✓			
Q	11			4	✓			
V	12			3		✓		
S	13			2	✓			
R	14			1				

R S A S S I A K E L Q V S R

dbValid true LINKYTNTYVTRK PHOS(1) 2. 849.4 -1.96272 5.44043 100. ? 1506.  
 S\_Acido\_new%gi|68566706|gb|AAAY79635.1| LINKYTNTYVTRK%:::PHOS:::sample\_1%cmpd\_236



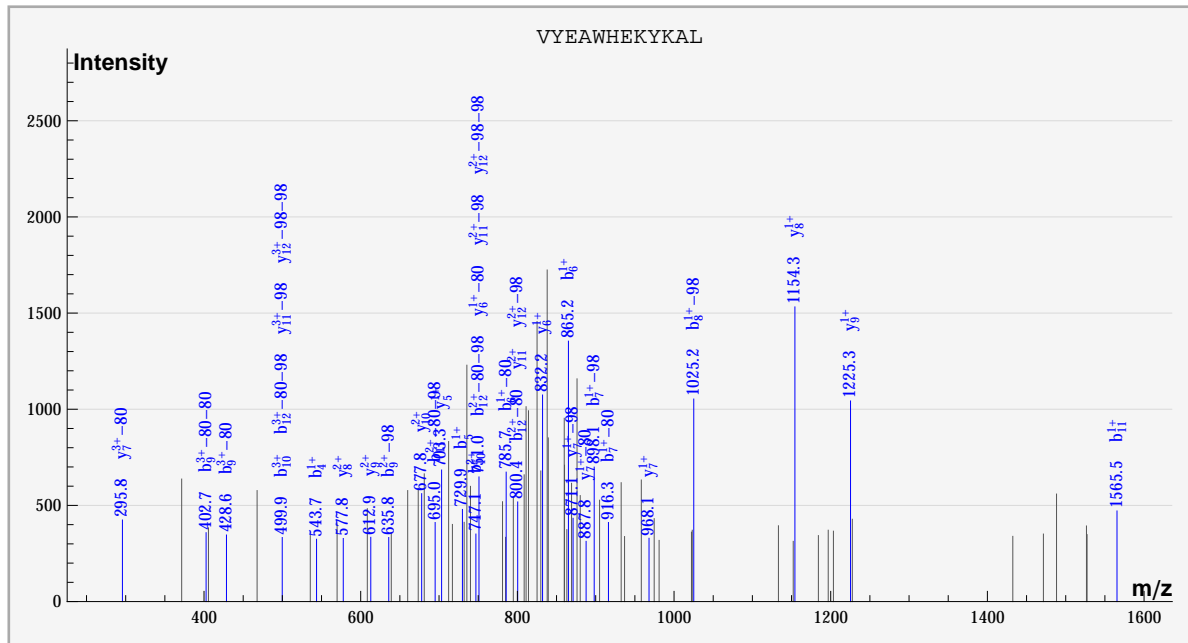
	#	b	b*	#	y	y*	P	P*
L	1							
I	2			12				
N	3			11				
K	4			10				
Y	5			9		✓		
T	6	✓		8		✓		
N	7	✓		7				
T	8			6	✓			
Y	9	✓		5	✓			
V	10		✓	4				
T	11			3	✓			
R	12	✓		2				
K	13			1				

L I N K [Y [T] N] T [Y] V] T R] K



dbValid true VYEAHWHEKYKAL PHOS(2) 2. 850. -1.1378 5.2163 100. ? 2976.

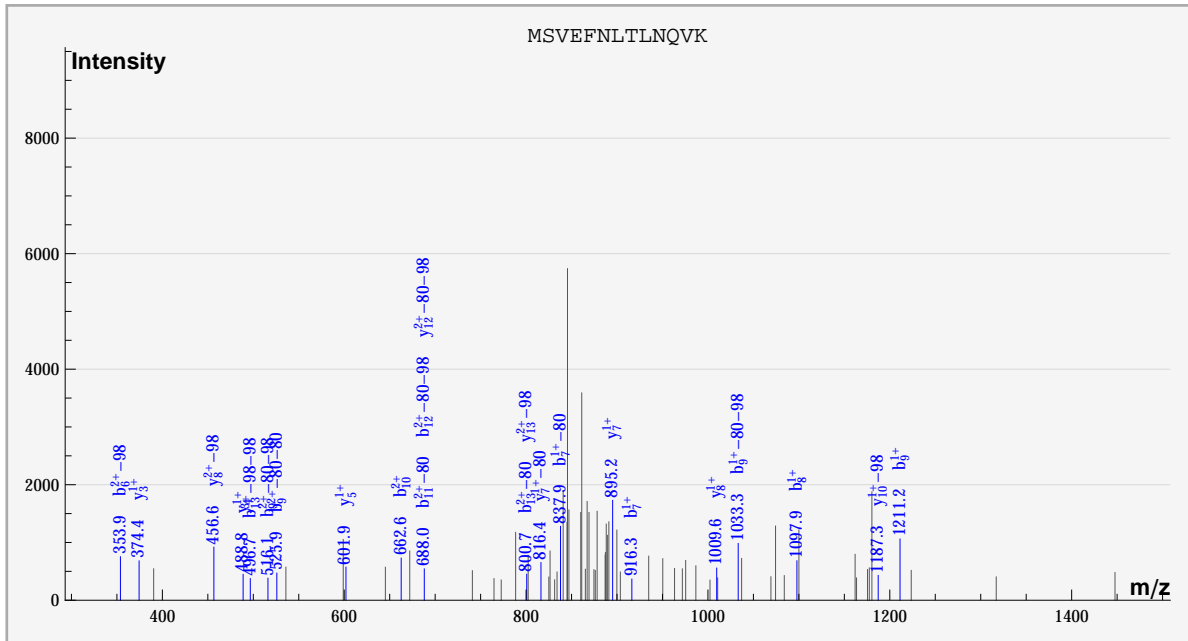
S\_Acido\_new%gi|68567777|gb|AAAY80706.1| VYEAHWHEKYKAL%::PHOS:::PHOS:::sample\_2%compd\_1574



	#	b	b*	#	y	y*	P	P*
V	1							✓
Y	2			11	✓	✓		
E	3			10	✓			
A	4	✓		9	✓			
W	5	✓		8	✓			
H	6	✓	✓	7	✓	✓		
E	7		✓	6	✓	✓		
K	8		✓	5	✓			
Y	9		✓	4				
K	10	✓		3				
A	11	✓	✓	2				
L	12		✓	1				

V Y E A W H E K Y K A L

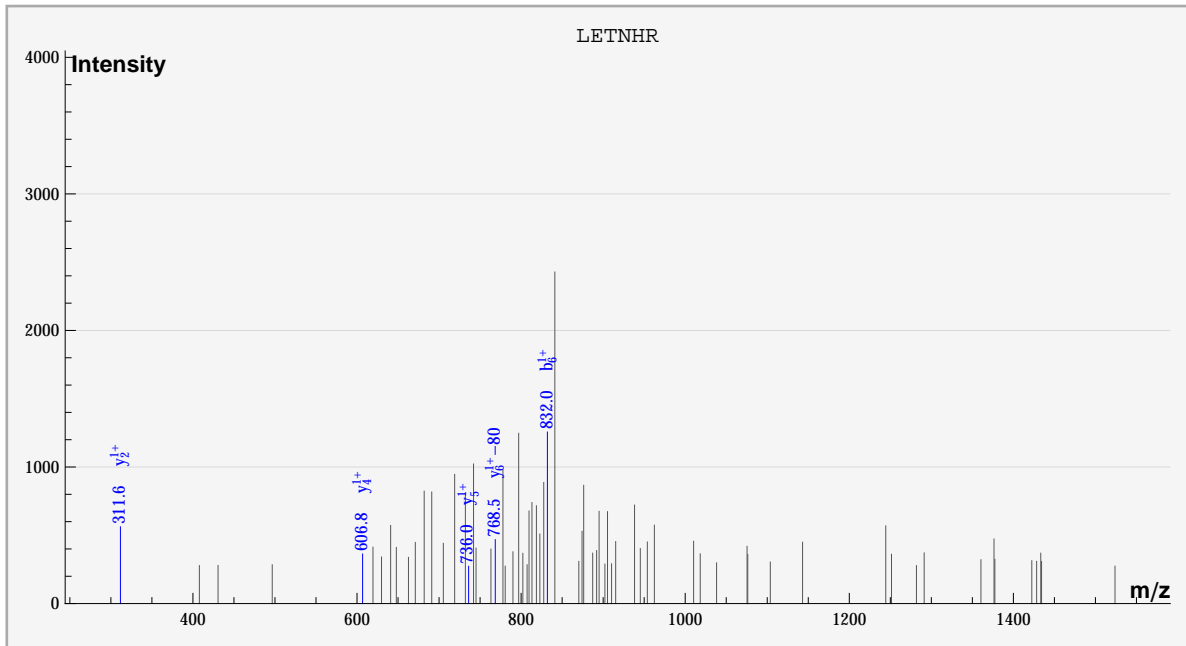
dbValid true MSVEFNLTNLQVK Oxidation\_M(1),PHOS(2) 2. 850. -0.135913 5.09724 100. ? 3078.  
 S\_Acido\_new%gil68566963|gb|AA79892.1| MSVEFNLTNLQVK%:Oxidation\_M:PHOS:::PHOS:::sample\_3%compd\_1490



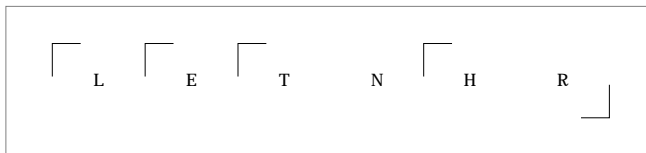
	#	b	b*	#	y	y*	P	P*
M	1							✓
S	2			12		✓		
V	3			11				
E	4			10		✓		
F	5			9				
N	6	✓	✓	8	✓	✓		
L	7	✓	✓	7	✓	✓		
T	8	✓		6				
L	9	✓	✓	5	✓			
N	10	✓		4	✓			
Q	11	✓		3	✓			
V	12	✓		2				
K	13	✓		1				

[ M ] [ S ] [ V ] [ E ] [ F ] [ N ] [ L ] [ T ] [ L ] [ N ] [ Q ] [ V ] [ K ]

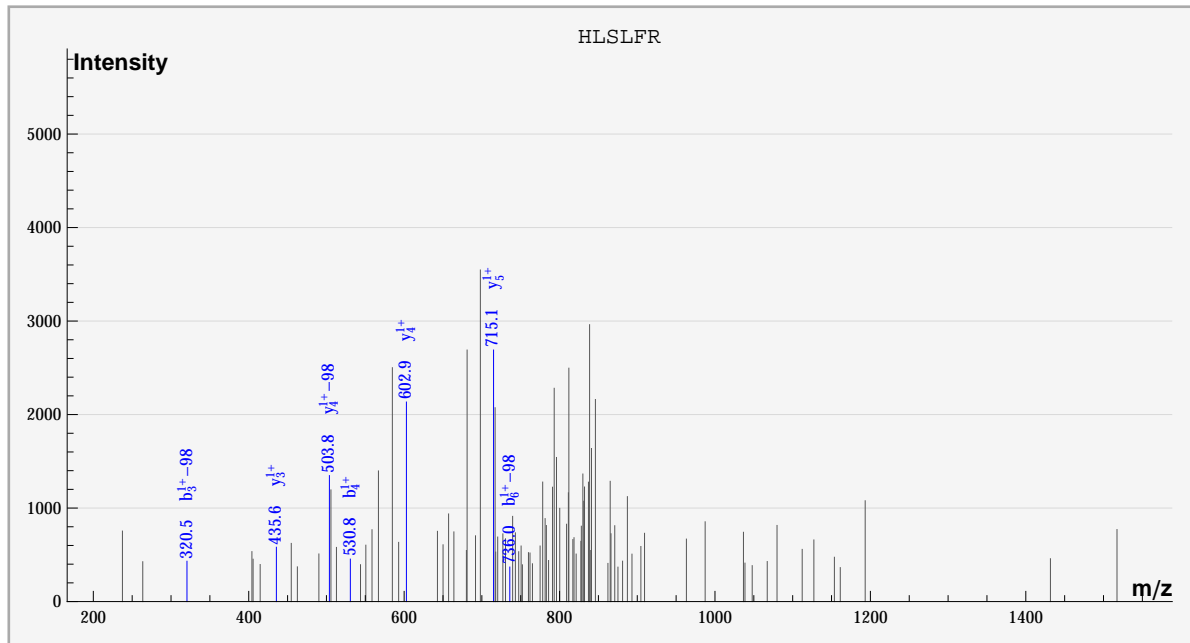
dbValid true LETNHR PHOS(1) 1. 851. -1.63857 5.05764 100. ? 2064.  
 S\_Acido\_new%gi|68567579|gb|AAY80508.1| LETNHR%:::PHOS:::%sample\_2%compd\_743



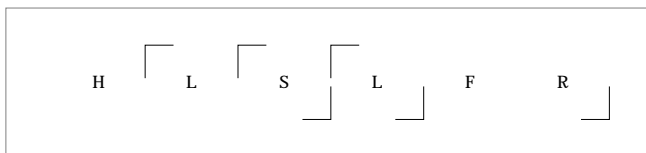
	#	b	b*	#	y	y*	P	P*
L	1							✓
E	2			5	✓			
T	3			4	✓			
N	4			3				
H	5			2	✓			
R	6	✓		1				



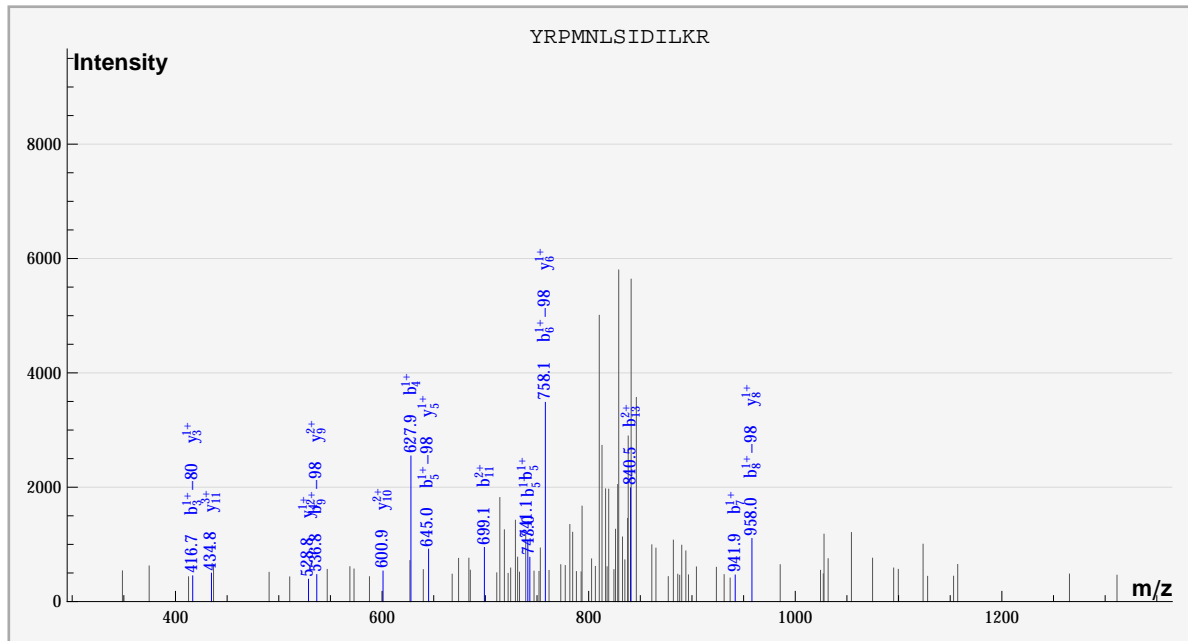
dbValid true HLSLFR PHOS(1) 1. 851. 1.41274 5.72885 100. ? 2550.  
 S\_Acido\_new%gi|68568059|gb|AAY80988.1| HLSLFR%:::PHOS:::%sample\_2%cmpd\_1187



	#	b	b*	#	y	y*	P	P*
H	1							
L	2			5	✓			
S	3	✓		4	✓	✓		
L	4	✓		3	✓			
F	5			2				
R	6	✓		1				



dbValid true YRPMNLSIDLK PHOS(1) 2. 851. -1.05833 5.2468 100. ? 2808.  
 S\_Acido\_new%gi|68567097|gb|AA80026.1| YRPMNLSIDLK%:PHOS:::sample\_2%compd\_1421

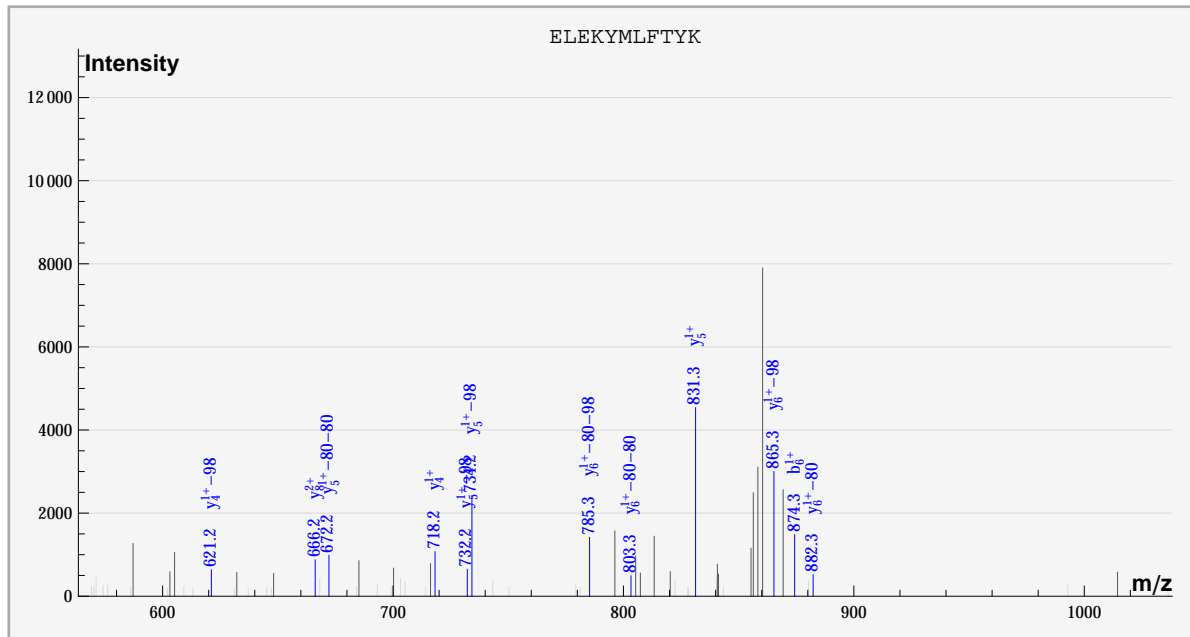


	#	b	b*	#	y	y*	P	P*
Y	1							
R	2			12				
P	3		✓	11	✓			
M	4	✓		10	✓			
N	5	✓	✓	9	✓			
L	6		✓	8	✓			
S	7	✓		7				
I	8		✓	6	✓			
D	9		✓	5	✓			
I	10			4	✓			
L	11	✓		3	✓			
K	12			2				
R	13	✓		1				

Y R P M N L S I D I L K R

dbValid true ELEKYMLFTYK PHOS(3) 2. 851. 1.82525 5.04708 100. ? 3066.

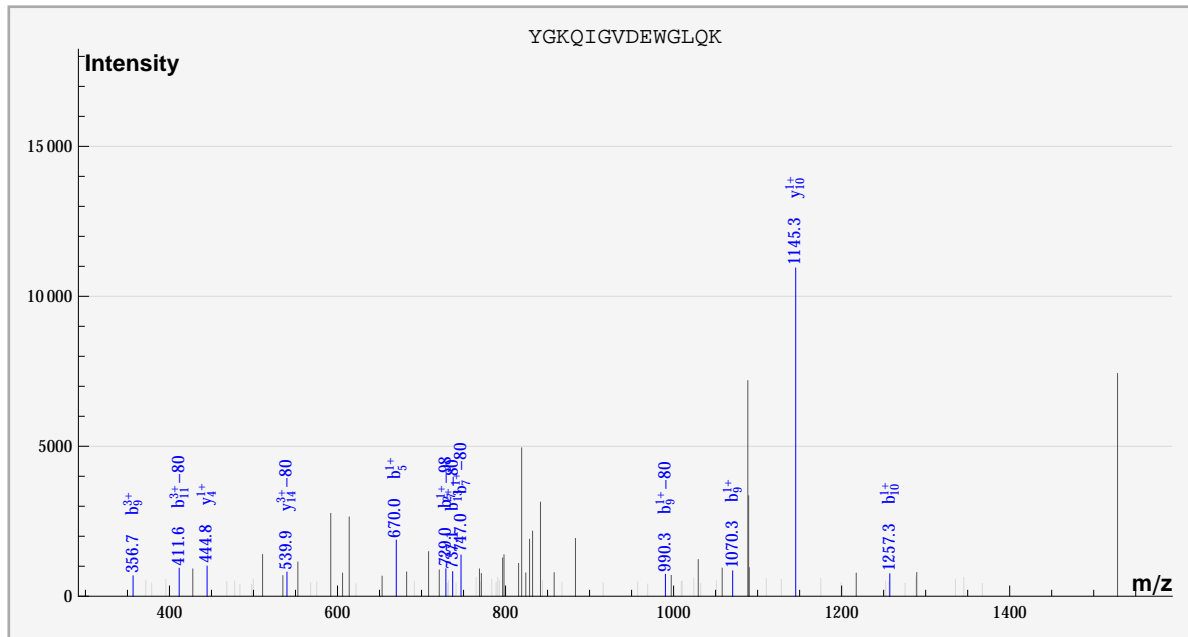
S\_Acido\_new%gi|68568537|gb|AAy81466.1| ELEKYMLFTYK%:::PHOS:::PHOS:PHOS::%sample\_2%compd\_1540



	#	b	b*	#	y	y*	P	P*
E	1							
L	2			10				
E	3			9				
K	4			8	✓			
Y	5			7				
M	6	✓		6		✓		
L	7			5	✓	✓		
F	8			4	✓	✓		
T	9			3				
Y	10			2				
K	11			1				

E L E [ K Y [ M ] L [ F T Y K

dbValid true YGKQIGVDEWGLQK PHOS(1) 2. 852. -1.0942 5.07411 100. ? 1956.  
 S\_Acido\_new%gi|68568213|gb|AAY81142.1| YGKQIGVDEWGLQK%:PHOS:::sample\_2%compd\_645

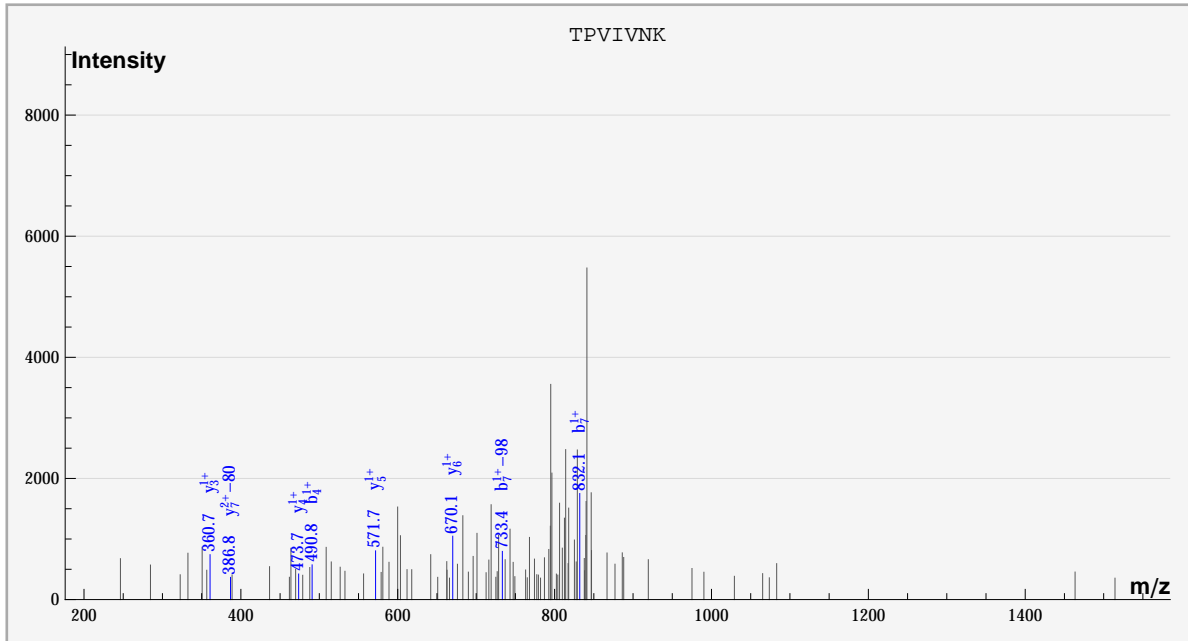


	#	b	b*	#	y	y*	P	P*
Y	1							✓
G	2			13				
K	3			12				
Q	4			11				
I	5	✓		10	✓			
G	6		✓	9				
V	7		✓	8				
D	8			7				
E	9	✓	✓	6				
W	10	✓		5				
G	11		✓	4	✓			
L	12			3				
Q	13		✓	2				
K	14			1				

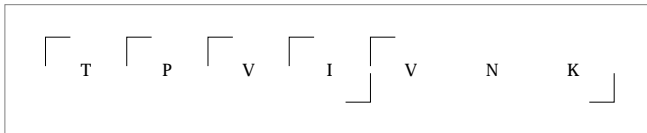
Y G K Q I G V D E W G L Q K

dbValid true TPVIVNK PHOS(1) 1. 852. -1.55664 5.10288 100. ? 2334.

S\_Acido\_new%gi|68568575|gb|AAY81504.1| TPVIVNK%:PHOS:::sample\_2%compd\_989

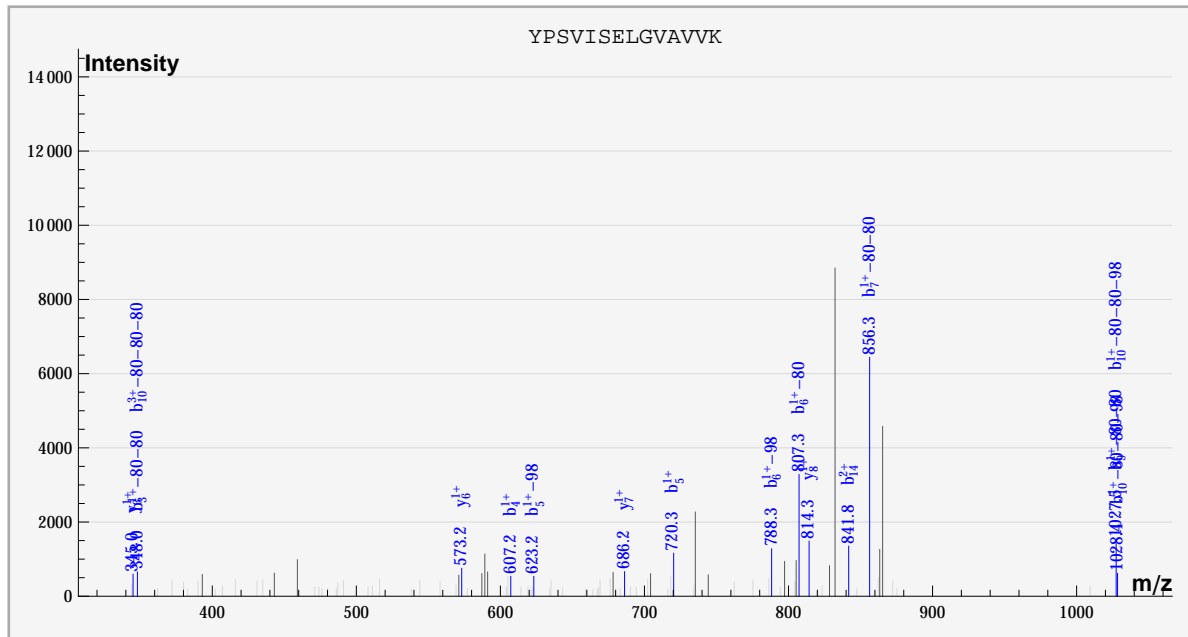


	#	b	b*	#	y	y*	P	P*
T	1							✓
P	2			6	✓			
V	3			5	✓			
I	4	✓		4	✓			
V	5			3	✓			
N	6			2				
K	7	✓	✓	1				





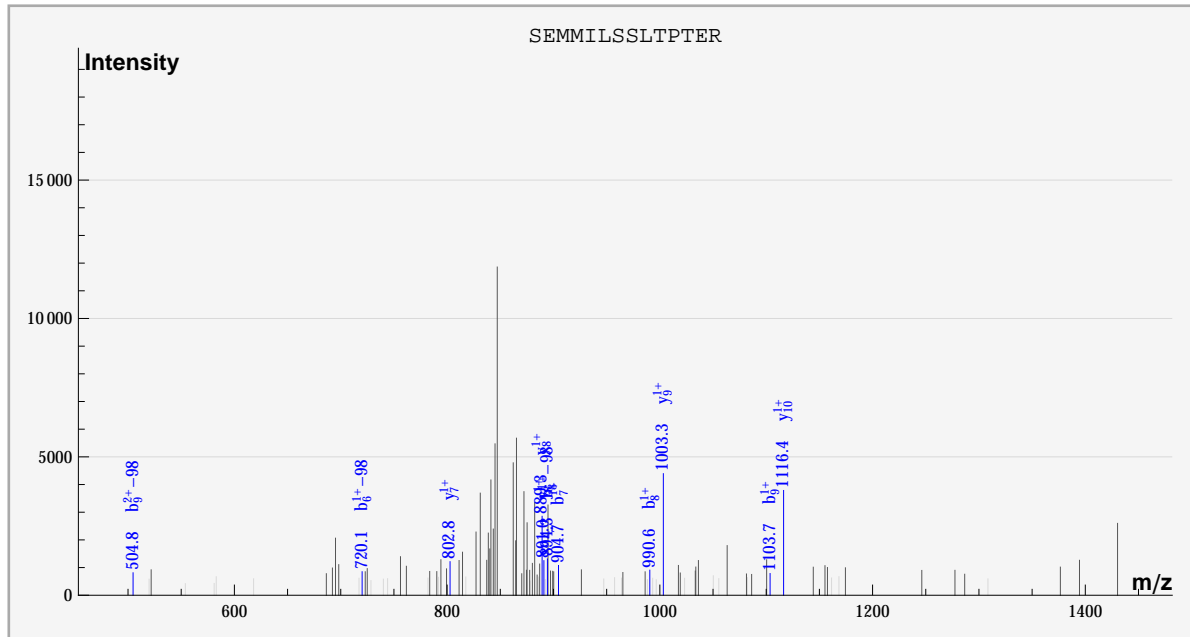
dbValid true YPSVISELGVAVVK PHOS(3) 2. 852. -1.12897 5.21219 100. ? 2346.  
 S\_Acido\_new%gi|68568035|gb|AAV80964.1| YPSVISELGVAVVK%:PHOS::PHOS::PHOS:::sample\_2%compd\_930



	#	b	b*	#	y	y*	P	P*
Y	1							
P	2			13				
S	3		✓	12				
V	4	✓		11				
I	5	✓	✓	10				
S	6		✓	9				
E	7		✓	8	✓			
L	8			7	✓			
G	9		✓	6	✓			
V	10		✓	5				
A	11			4				
V	12			3	✓			
V	13			2				
K	14	✓		1				

Y P S V I S E L G V A V V K

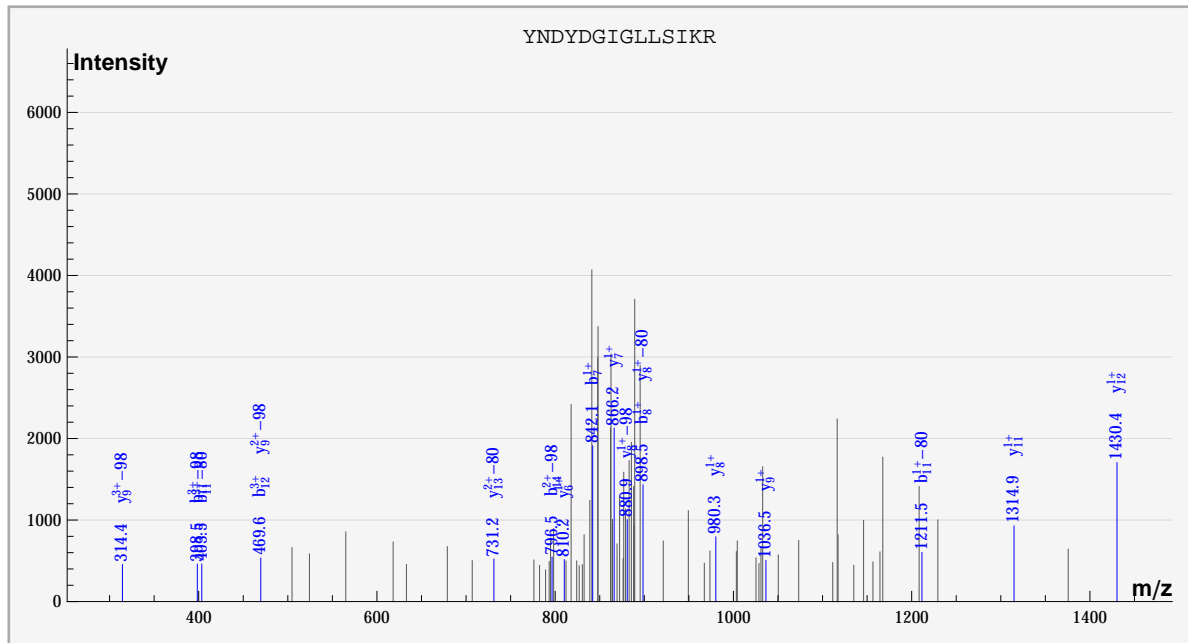
dbValid true SEMMILSSLTPTER Oxidation\_M(2),PHOS(1) 2. 852.  
 1.87245 5.25721 100. ? 2928. S\_Acido\_new%g|68568481|gb|AAY81410.1|  
 SEMMILSSLTPTER%:PHOS::Oxidation\_M:Oxidation\_M:.....:sample\_1%compd\_1368



	#	b	b*	#	y	y*	P	P*
S	1							
E	2			13				
M	3			12				
M	4			11				
I	5			10		✓		
L	6		✓	9		✓		
S	7	✓		8		✓		
S	8	✓	✓	7		✓		
L	9	✓	✓	6				
T	10			5				
P	11			4				
T	12			3				
E	13			2				
R	14			1				

S E M M I L S S L T P T E R

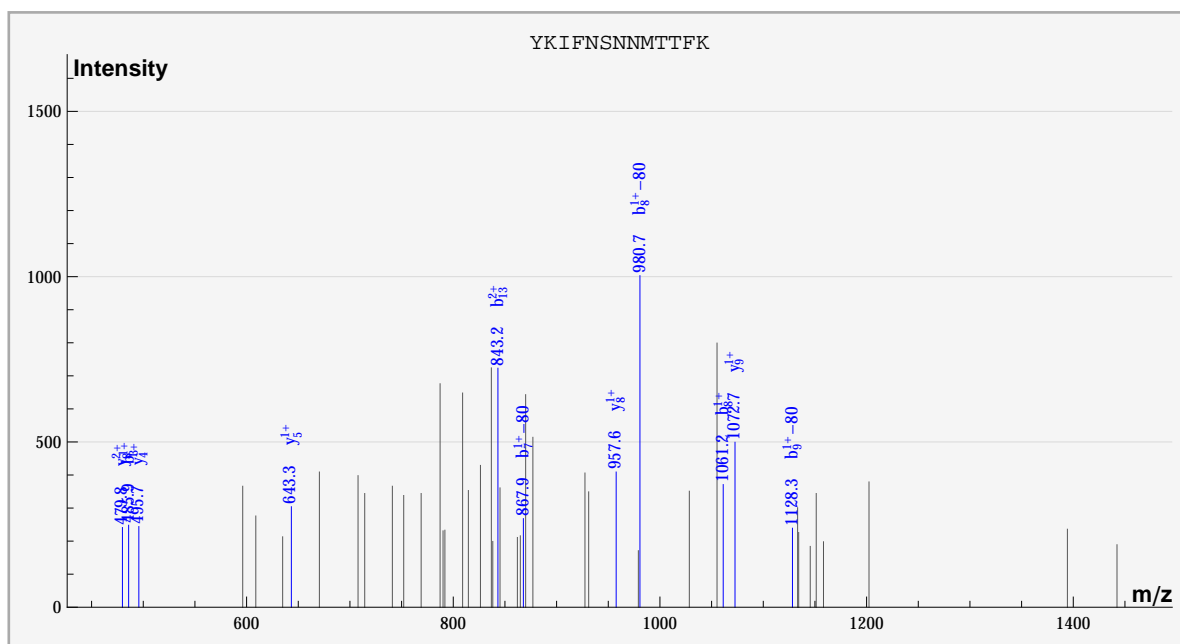
dbValid true YNDYDGIGLLSIKR PHOS(1) 2. 852. 1.91108 5.56396 100. ? 2934.  
 S\_Acido\_new%gi|68568578|gb|AAY81507.1| YNDYDGIGLLSIKR%:::PHOS:::sample\_3%compd\_1372



	#	b	b*	#	y	y*	P	P*
Y	1							
N	2			13		✓		
D	3			12	✓			
Y	4			11	✓			
D	5			10				
G	6			9	✓	✓		
I	7	✓		8	✓	✓		
G	8	✓		7	✓			
L	9			6	✓			
L	10			5				
S	11		✓	4				
I	12	✓		3				
K	13			2				
R	14		✓	1				

Y N D Y D G I G L L S I K R

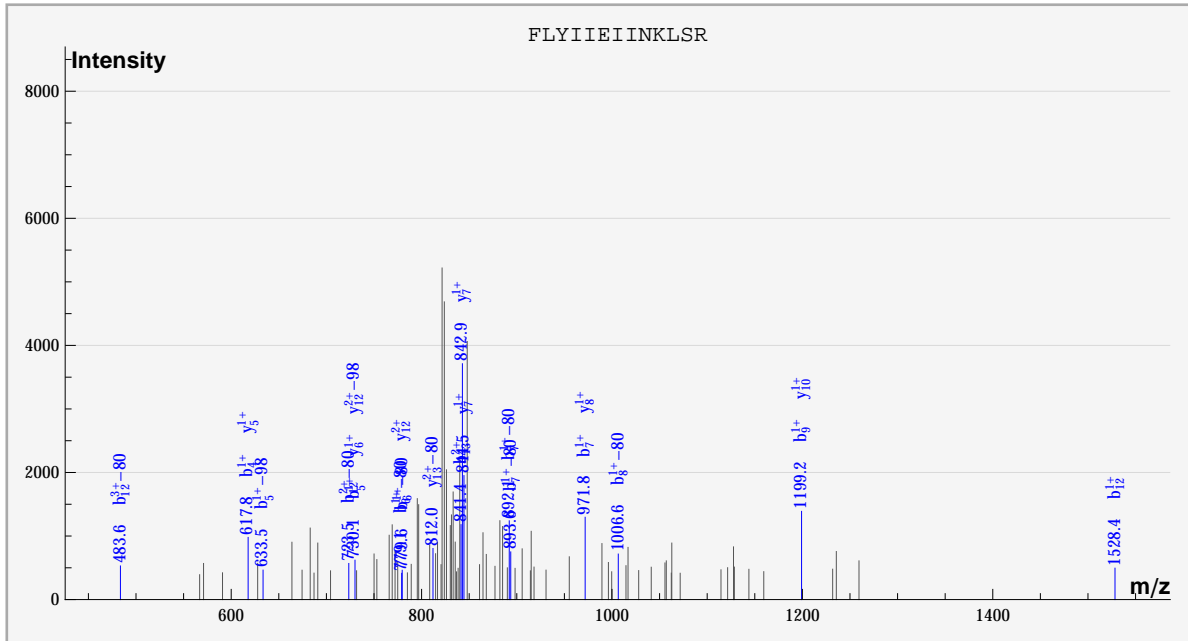
dbValid true YKIFNSNNMTTFK Oxidation\_M(1),PHOS(1) 2. 852. 0.378567 5.21512 100. ? 5358.  
 S\_Acido\_new%gi|68567192|gb|AA80121.1| YKIFNSNNMTTFK%:PHOS:.....:Oxidation\_M:.....:sample\_2%compd\_3732



	#	b	b*	#	y	y*	P	P*
Y	1							
K	2			12				
I	3	✓		11				
F	4			10				
N	5			9	✓			
S	6			8	✓			
N	7		✓	7				
N	8	✓	✓	6				
M	9		✓	5	✓			
T	10			4	✓			
T	11			3				
F	12			2				
K	13	✓		1				

Y K I F N S N N M T T F K

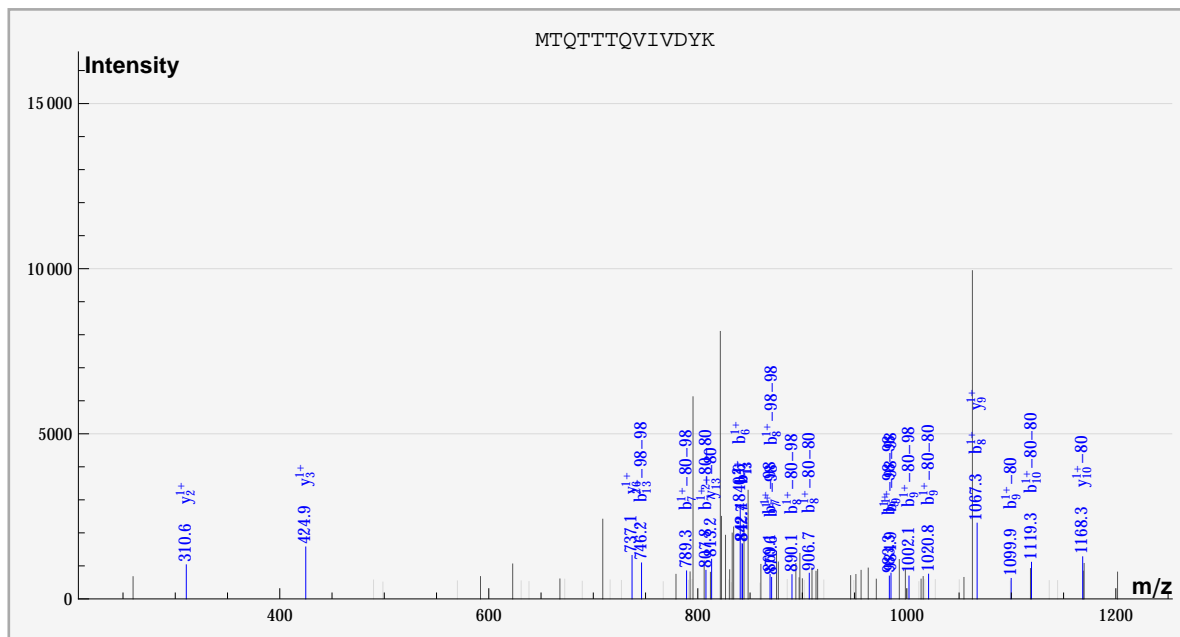
dbValid true FLYIIEIINKLSR PHOS(1) 2. 853. -1.52942 5.6762 100. ? 3744.  
 S\_Acido\_new%gi|68567946|gb|AA80875.1| FLYIIEIINKLSR%:::PHOS:::sample\_2%compd\_2272



	#	b	b*	#	y	y*	P	P*
F	1							✓
L	2			12	✓	✓		
Y	3			11				
I	4	✓		10	✓			
I	5	✓	✓	9				
E	6		✓	8	✓			
I	7	✓	✓	7	✓			
I	8		✓	6	✓			
N	9	✓		5	✓			
K	10			4				
L	11			3				
S	12	✓	✓	2				
R	13	✓		1				

[ F ] [ L ] [ Y ] [ I ] [ I ] [ E ] [ I ] [ I ] [ N ] [ K ] [ L ] [ S ] [ R ]

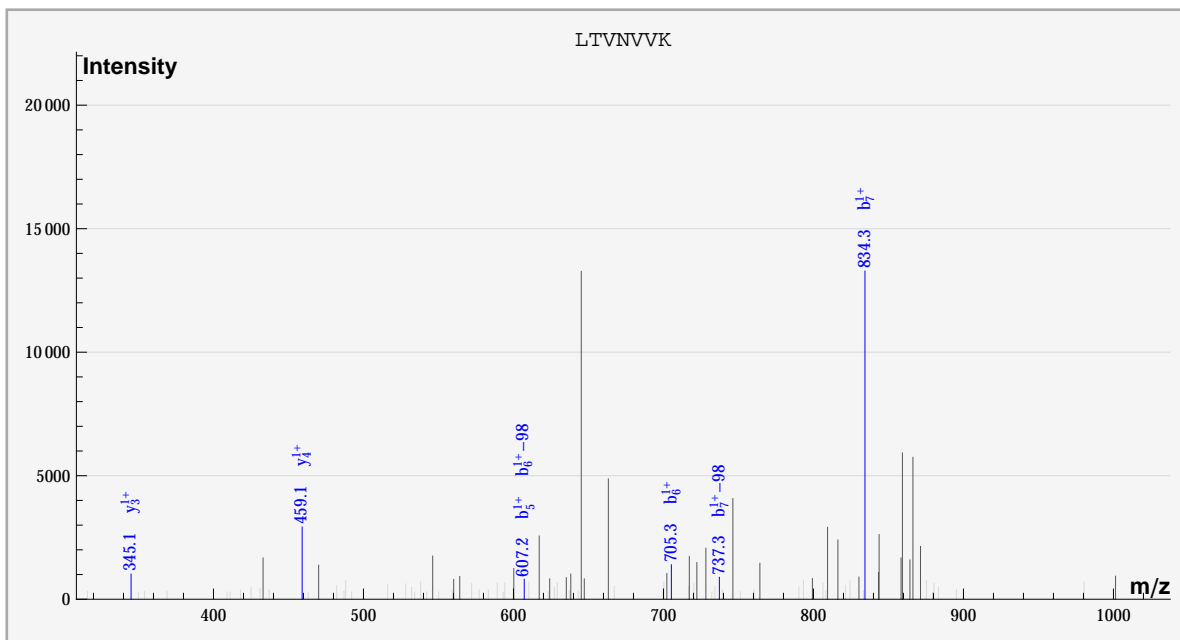
dbValid true MTQTTTQVIVDYK Oxidation\_M(1),PHOS(2) 2. 853. -0.646443 5.04179 100. ? 3804.  
 S\_Acido\_new%gi|68568555|gb|AA81484.1| MTQTTTQVIVDYK%:Oxidation\_M:PHOS::PHOS:::sample\_2%cmpd\_2328



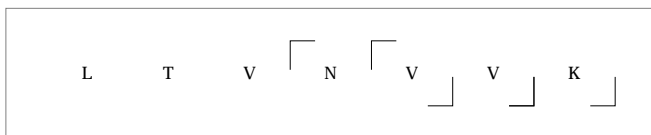
	#	b	b*	#	y	y*	P	P*
M	1							✓
T	2			12				
Q	3			11				
T	4			10				
T	5			9		✓		
T	6	✓		8				
Q	7		✓	7				
V	8	✓	✓	6		✓		
I	9		✓	5				
V	10		✓	4				
D	11			3		✓		
Y	12			2		✓		
K	13	✓	✓	1				

「 M T Q 「 T 「 T T 」 Q 」 V 」 I 」 V 」 D 「 Y K 」

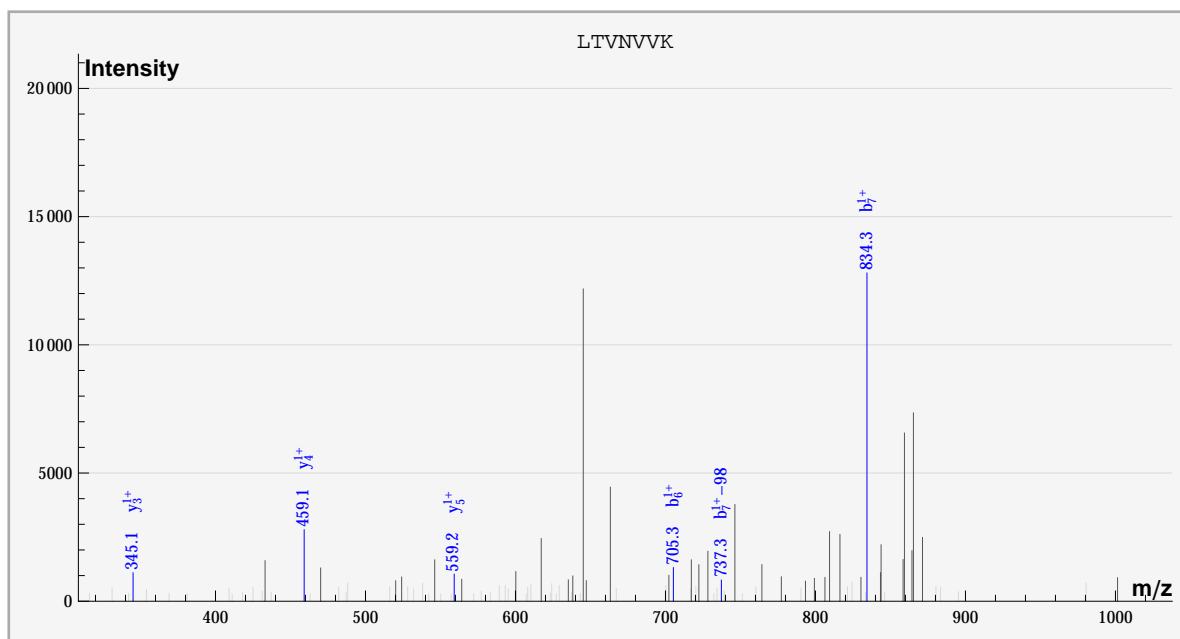
dbValid true LTVNVVK PHOS(1) 1. 854. -1.54099 5.22812 100. ? 2802.  
 S\_Acido\_new%gi|68567577|gb|AAY80506.1| LTVNVVK%::PHOS:::sample\_2%compd\_1319



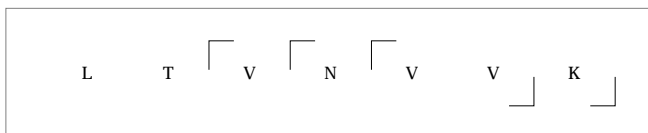
	#	b	b*	#	y	y*	P	P*
L	1							
T	2			6				
V	3			5				
N	4			4	✓			
V	5	✓		3	✓			
V	6	✓	✓	2				
K	7	✓	✓	1				



dbValid true LTVNVVK PHOS(1) 1. 854. -1.54099 5.10602 100. ? 2814.  
 S\_Acido\_new%gi|68567577|gb|AAY80506.1| LTVNVVK%::PHOS:::sample\_2%cmpd\_1329

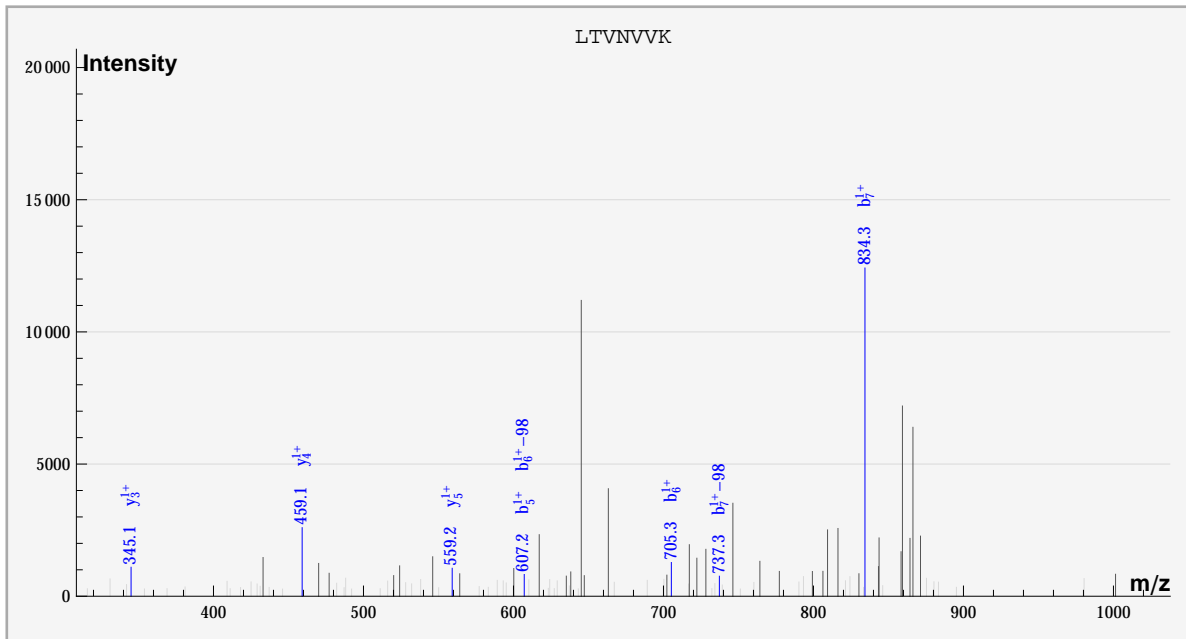


	#	b	b*	#	y	y*	P	P*
L	1							
T	2			6				
V	3			5	✓			
N	4			4	✓			
V	5			3	✓			
V	6	✓		2				
K	7	✓	✓	1				

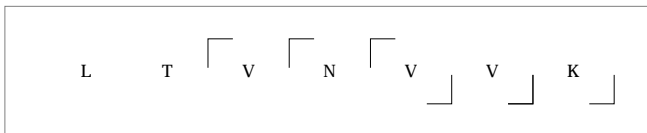




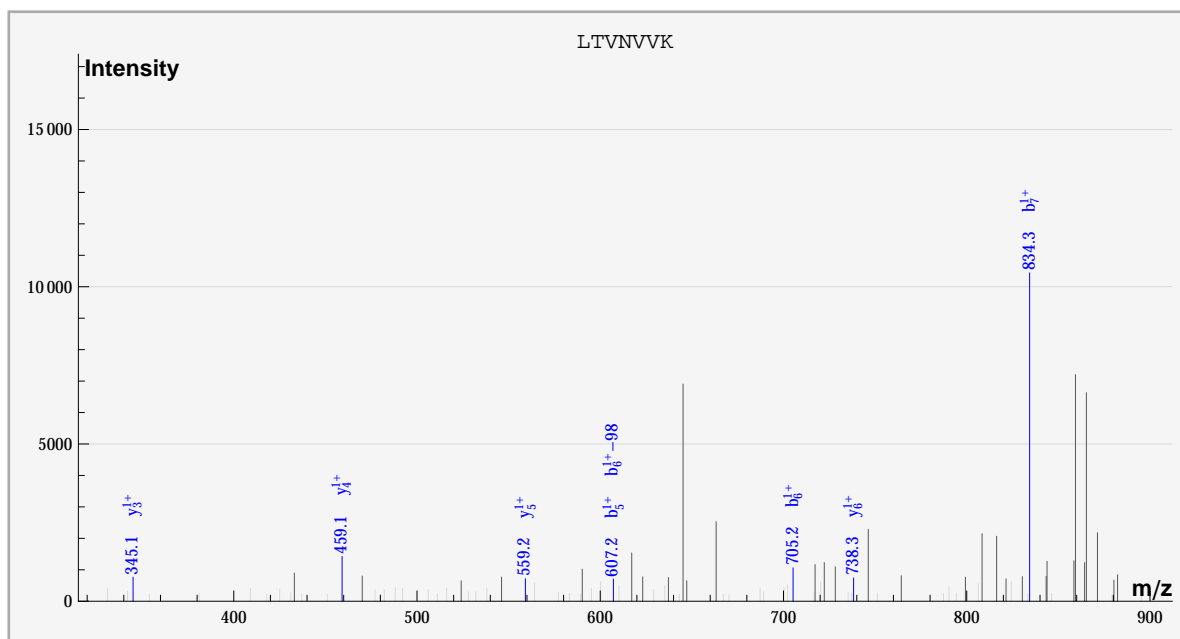
dbValid true LTVNVVK PHOS(1) 1. 854. -1.54099 5.21095 100. ? 2826.  
 S\_Acido\_new%gi|68567577|gb|AAY80506.1| LTVNVVK%::PHOS:::sample\_2%compd\_1340



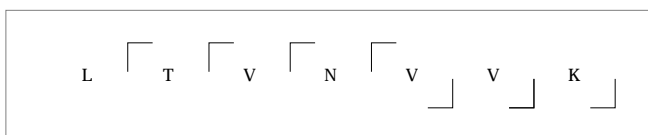
	#	b	b*	#	y	y*	P	P*
L	1							
T	2			6				
V	3			5	✓			
N	4			4	✓			
V	5	✓		3	✓			
V	6	✓	✓	2				
K	7	✓	✓	1				



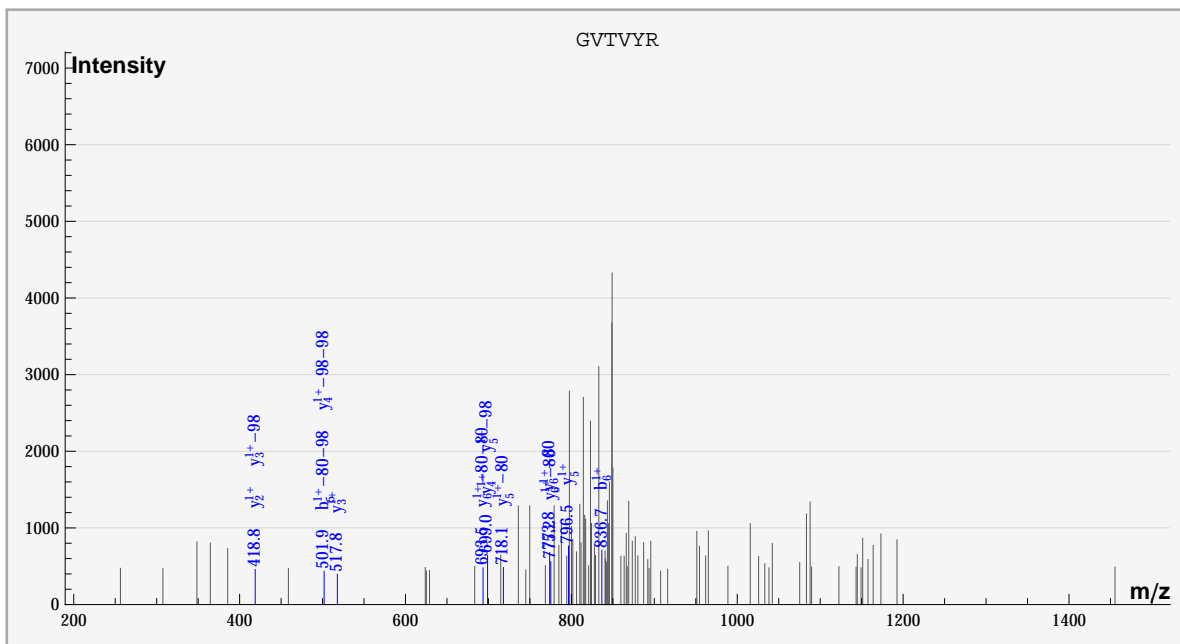
dbValid true LTVNVVK PHOS(1) 1. 854. -1.54099 5.26229 100. ? 2898.  
 S\_Acido\_new%gi|68567577|gb|AAY80506.1| LTVNVVK%::PHOS:::%sample\_2%cmpd\_1400



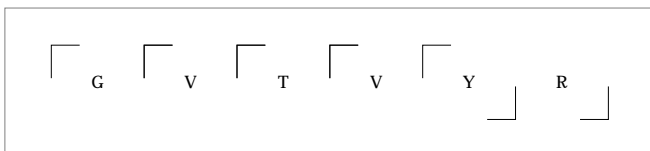
	#	b	b*	#	y	y*	P	P*
L	1							
T	2			6	✓			
V	3			5	✓			
N	4			4	✓			
V	5	✓		3	✓			
V	6	✓	✓	2				
K	7	✓		1				



dbValid true GVTVYR PHOS(2) 1. 854. 0.320855 6.5983 100. ? 3330.  
 S\_Acido\_new%gil68567759|gb|AAy80688.1| GVTVYR%:::PHOS::PHOS::%sample\_2%cmpd\_1897

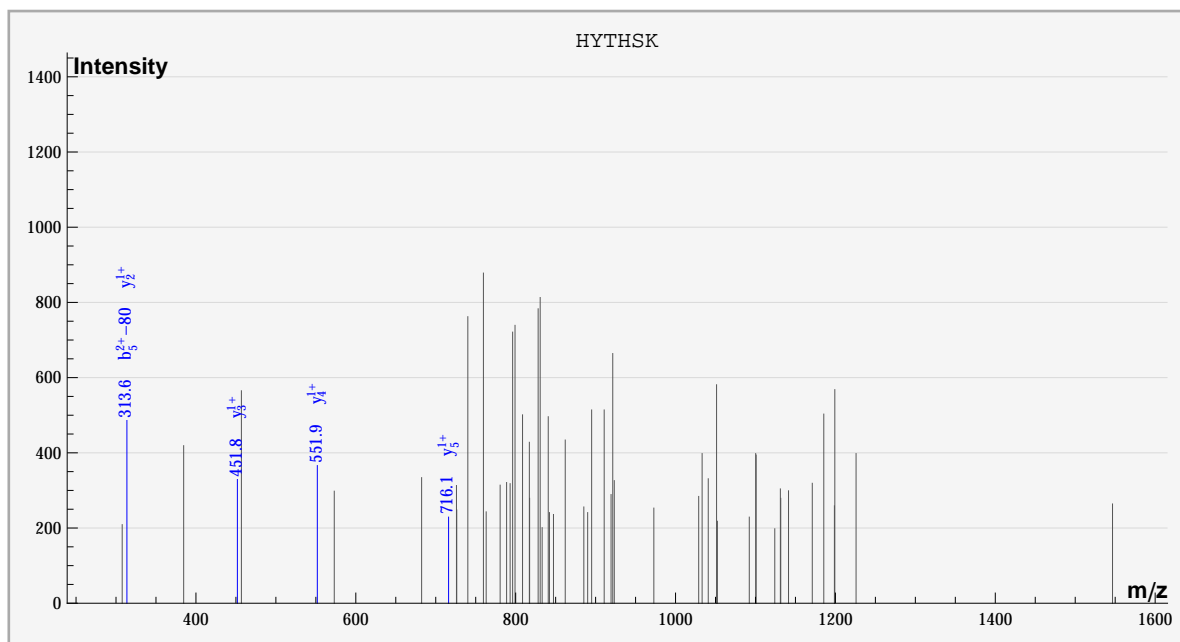


	#	b	b*	#	y	y*	P	P*
G	1							✓
V	2			5	✓	✓		
T	3			4	✓	✓		
V	4			3	✓	✓		
Y	5	✓		2	✓			
R	6	✓		1				

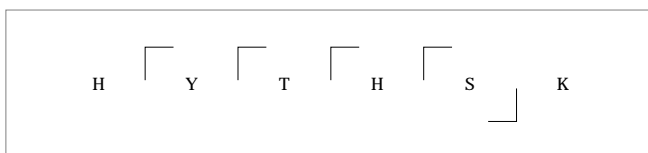


dbValid true HYTHSK PHOS(1) 1. 854. -1.66003 5.42351 100. ? 4578.

S\_Acido\_new%gi|68568193|gb|AAY81122.1| HYTHSK%::::PHOS:::sample\_2%compd\_3037

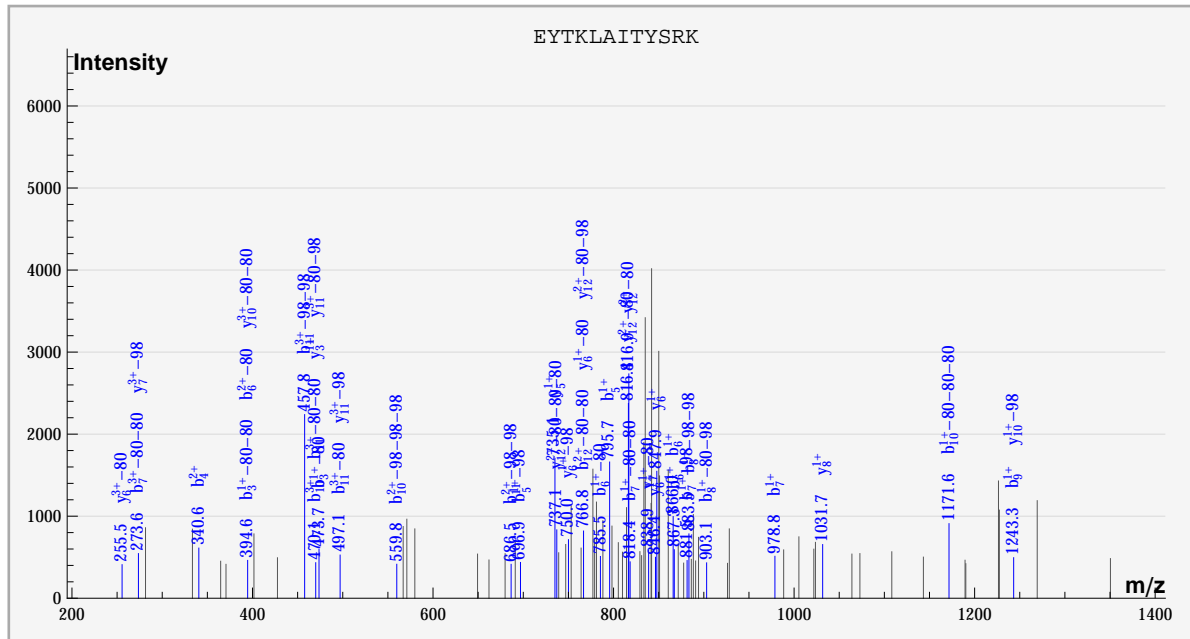


	#	b	b*	#	y	y*	P	P*
H	1							
Y	2			5	✓			
T	3			4	✓			
H	4			3	✓			
S	5	✓		2	✓			
K	6			1				



dbValid true EYTKLAITYSRK PHOS(3) 2. 855. 1.85847 5.34748 100. ? 2514.

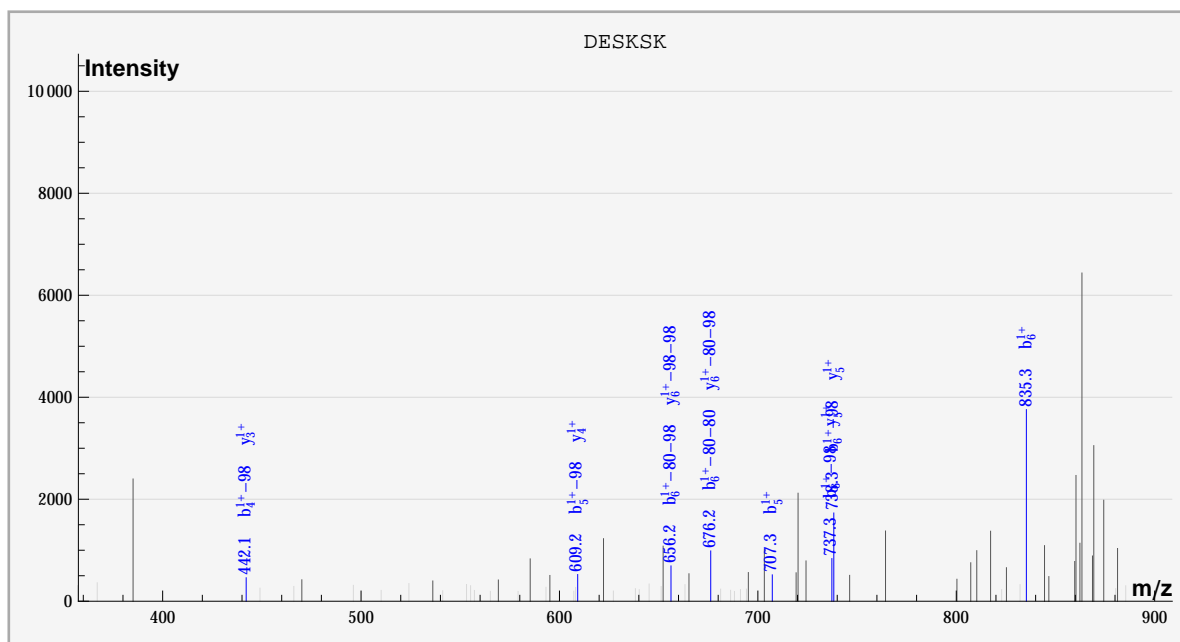
S\_Acido\_new%gi|68566534|gb|AA79463.1| EYTKLAITYSRK%:PHOS:PHOS:.....PHOS:::%sample\_2%cmpd\_1158



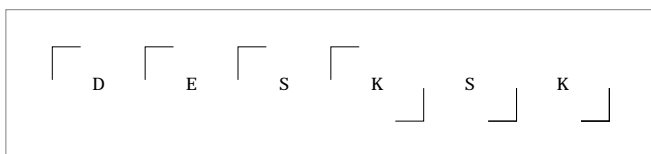
	#	b	b*	#	y	y*	P	P*
E	1							✓
Y	2			11		✓		
T	3		✓	10		✓		
K	4	✓		9				
L	5	✓	✓	8	✓			
A	6	✓	✓	7		✓		
I	7	✓	✓	6	✓	✓		
T	8		✓	5	✓			
Y	9	✓		4				
S	10	✓	✓	3	✓			
R	11		✓	2				
K	12		✓	1				

E Y T K L A I T Y S R K

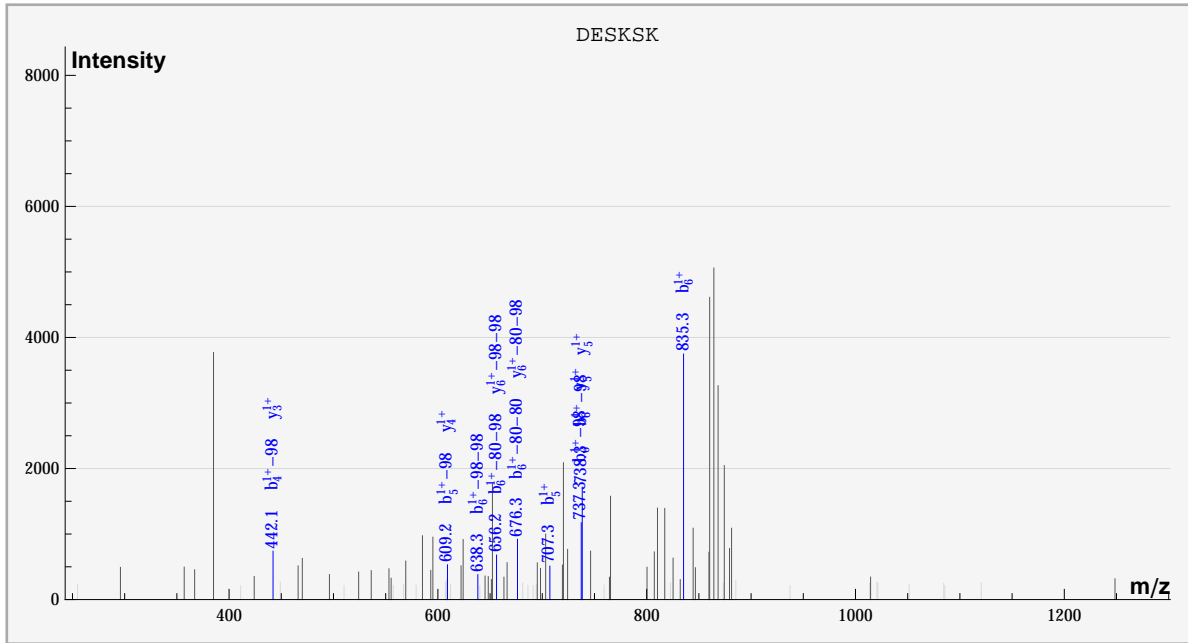
dbValid true DESKSK PHOS(2) 1. 855. -1.72604 5.12481 100. ? 3432.  
 S\_Acido\_new%gil68568251|gb|AAY81180.1| DESKSK%:::PHOS::PHOS::%sample\_2%compd\_1848



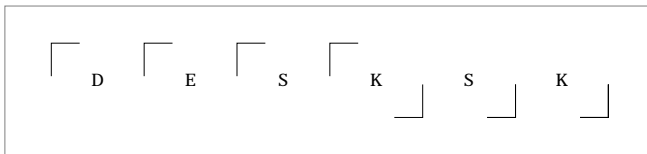
	#	b	b*	#	y	y*	P	P*
D	1							✓
E	2			5	✓			
S	3			4	✓			
K	4	✓		3	✓			
S	5	✓	✓	2				
K	6	✓	✓	1				



dbValid true DESKSK PHOS(2) 1. 855. -1.72604 5.26919 100. ? 3444.  
 S\_Acido\_new%gi|68568251|gb|AAY81180.1| DESKSK%:::PHOS::PHOS::%sample\_2%cmpd\_1858

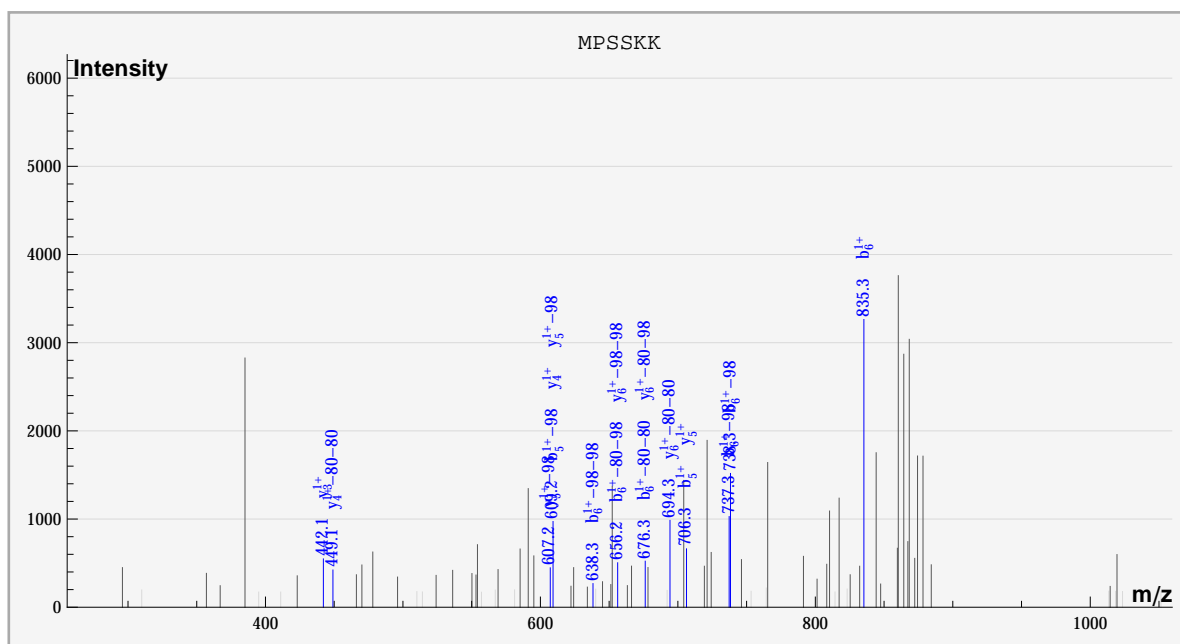


	#	b	b*	#	y	y*	P	P*
D	1							✓
E	2			5	✓			
S	3			4	✓			
K	4		✓	3	✓			
S	5	✓	✓	2				
K	6	✓	✓	1				

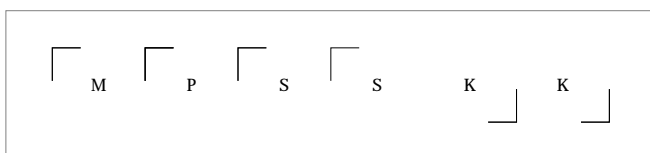


dbValid true MPSSKK Oxidation\_M(1),PHOS(2) 1. 855. -1.70742 5.39925 100. ? 3504.

S\_Acido\_new%gil68567178|gb|AAY80107.1| MPSSKK%:Oxidation\_M::PHOS:PHOS:::sample\_2%compd\_1908



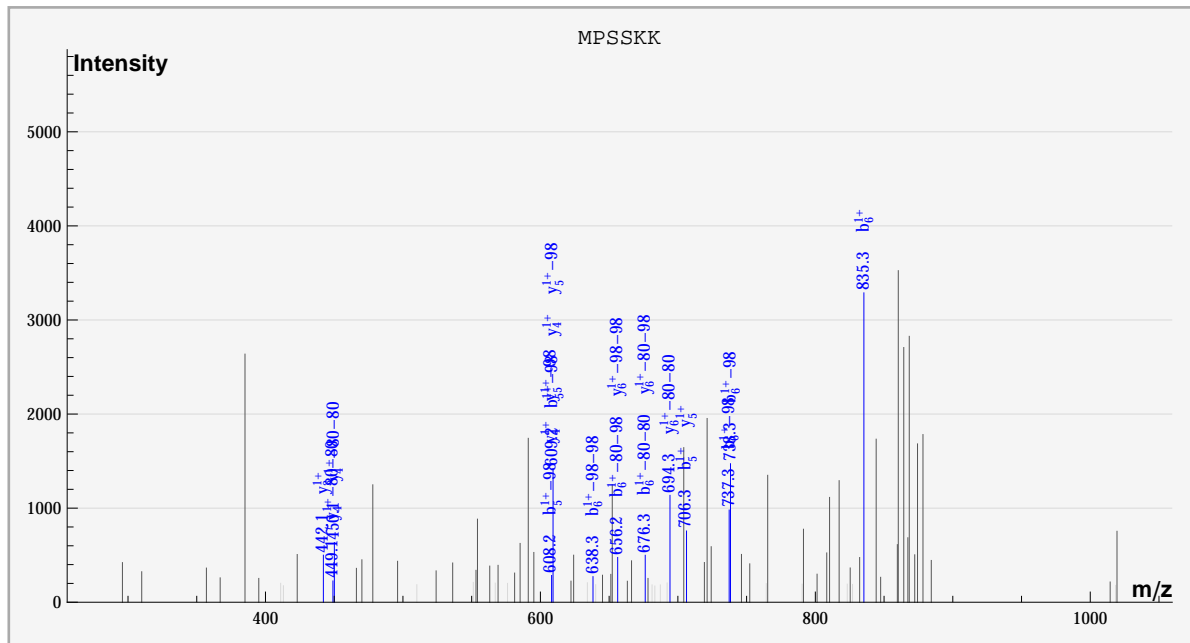
	#	b	b*	#	y	y*	P	P*
M	1							✓
P	2			5	✓	✓		
S	3			4	✓	✓		
S	4			3	✓			
K	5	✓	✓	2				
K	6	✓	✓	1				



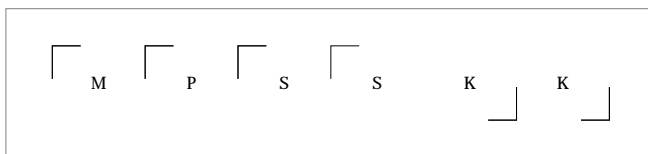


dbValid true MPSSKK Oxidation\_M(1),PHOS(2) 1. 855. -1.70742 5.57645 100. ? 3516.

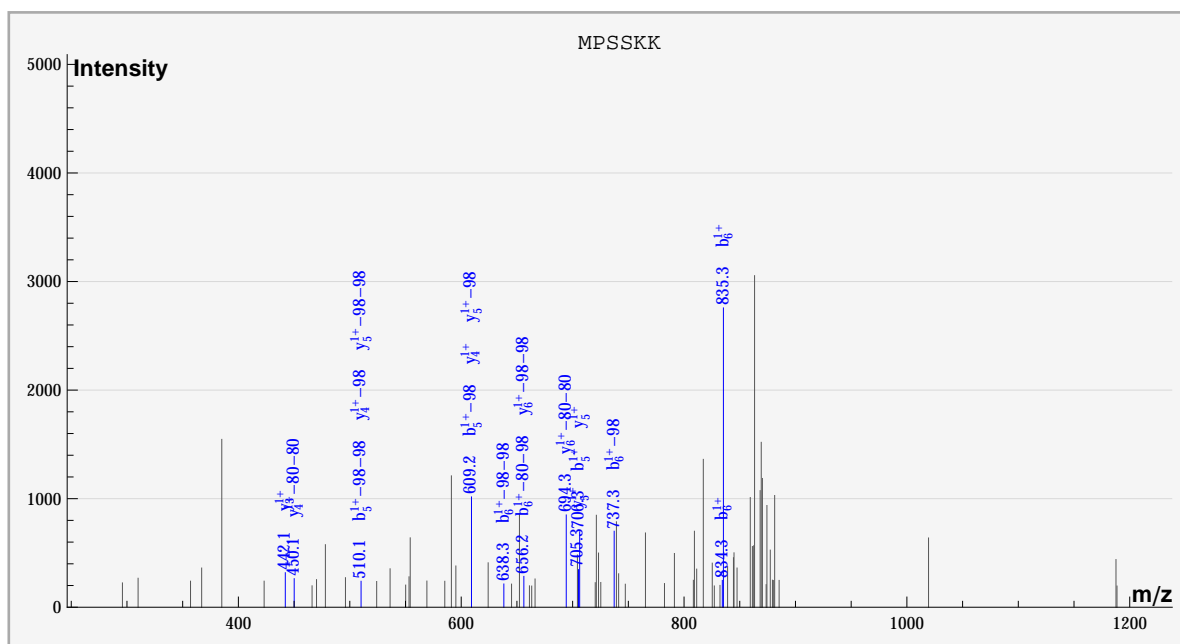
S\_Acido\_new%gil68567178|gb|AAY80107.1| MPSSKK%:Oxidation\_M::PHOS:PHOS:::sample\_2%compd\_1918



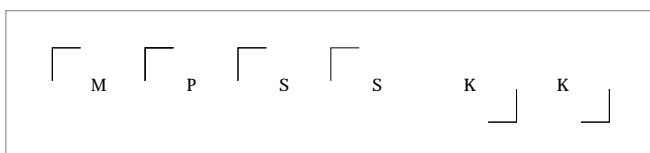
	#	b	b*	#	y	y*	P	P*
M	1							✓
P	2			5	✓	✓		
S	3			4	✓	✓		
S	4			3	✓			
K	5	✓	✓	2				
K	6	✓	✓	1				



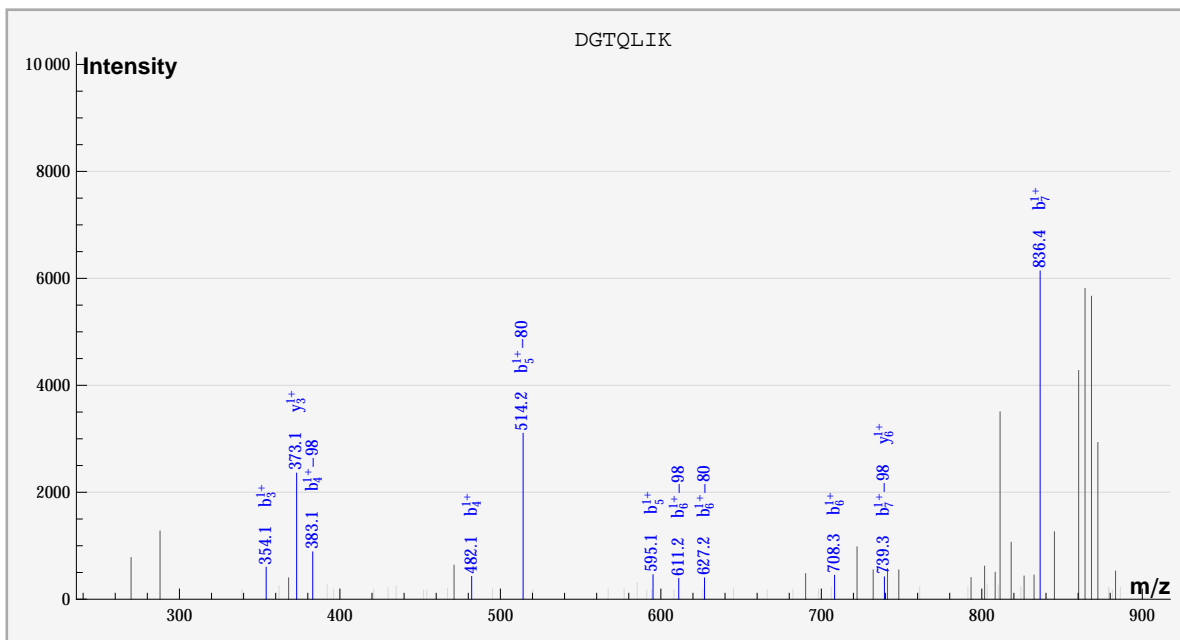
dbValid true MPSSKK Oxidation\_M(1),PHOS(2) 1. 855. -1.70742 5.82867 100. ? 3600.  
 S\_Acido\_new%gil68567178|gb|AAY80107.1| MPSSKK%:Oxidation\_M::PHOS:PHOS:::sample\_2%compd\_1989



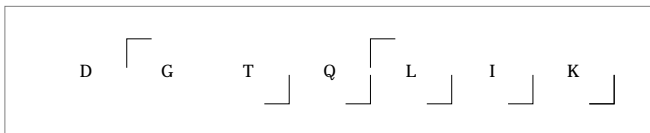
	#	b	b*	#	y	y*	P	P*
M	1							✓
P	2			5	✓	✓		
S	3			4	✓	✓		
S	4			3	✓			
K	5	✓	✓	2				
K	6	✓	✓	1				



dbValid true DGTQLIK PHOS(1) 1. 856. -1.59811 5.19195 100. ? 2706.  
 S\_Acido\_new%gi|68567386|gb|AAY80315.1| DGTQLIK%:::PHOS:::%sample\_2%cmpd\_1241

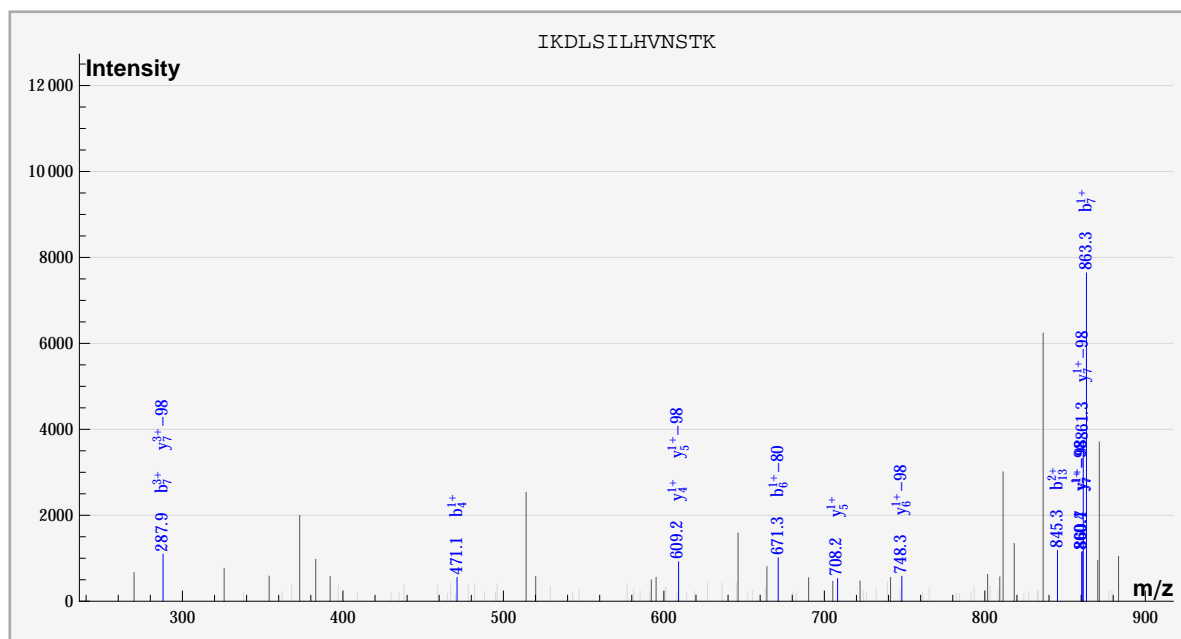


	#	b	b*	#	y	y*	P	P*
D	1							
G	2			6		✓		
T	3	✓		5				
Q	4	✓	✓	4				
L	5	✓	✓	3		✓		
I	6	✓	✓	2				
K	7	✓	✓	1				



dbValid true IKDLSILHVNSTK PHOS(3) 2. 856. -1.62044 5.36598 100. ? 2742.

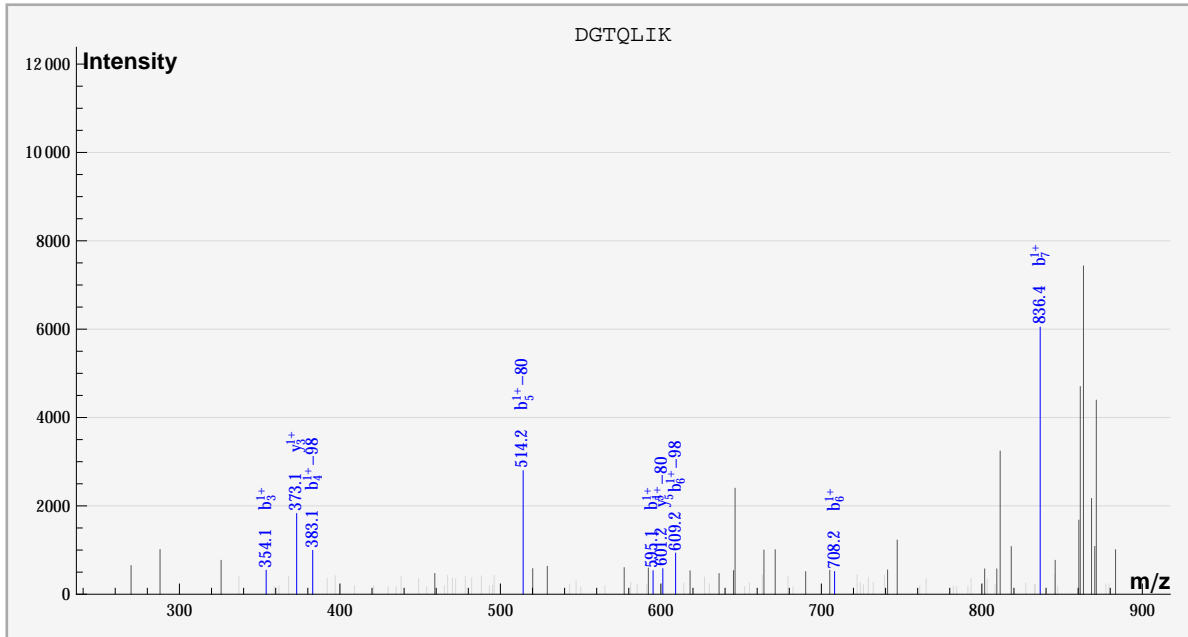
S\_Acido\_new%gi|68568204|gb|AAY81133.1| IKDLSILHVNSTK%:::PHOS:::PHOS:PHOS::%sample\_2%cmpd\_1271



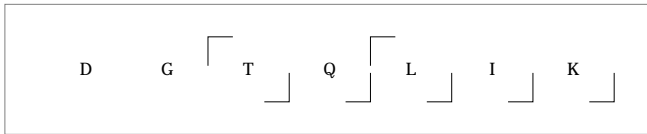
	#	b	b*	#	y	y*	P	P*
I	1							
K	2			12				
D	3			11				
L	4	✓		10				
S	5			9				
I	6		✓	8				
L	7	✓		7		✓		
H	8			6		✓		
V	9			5	✓	✓		
N	10			4	✓			
S	11			3				
T	12			2				
K	13	✓		1				

I K D L S I L H V N S T K

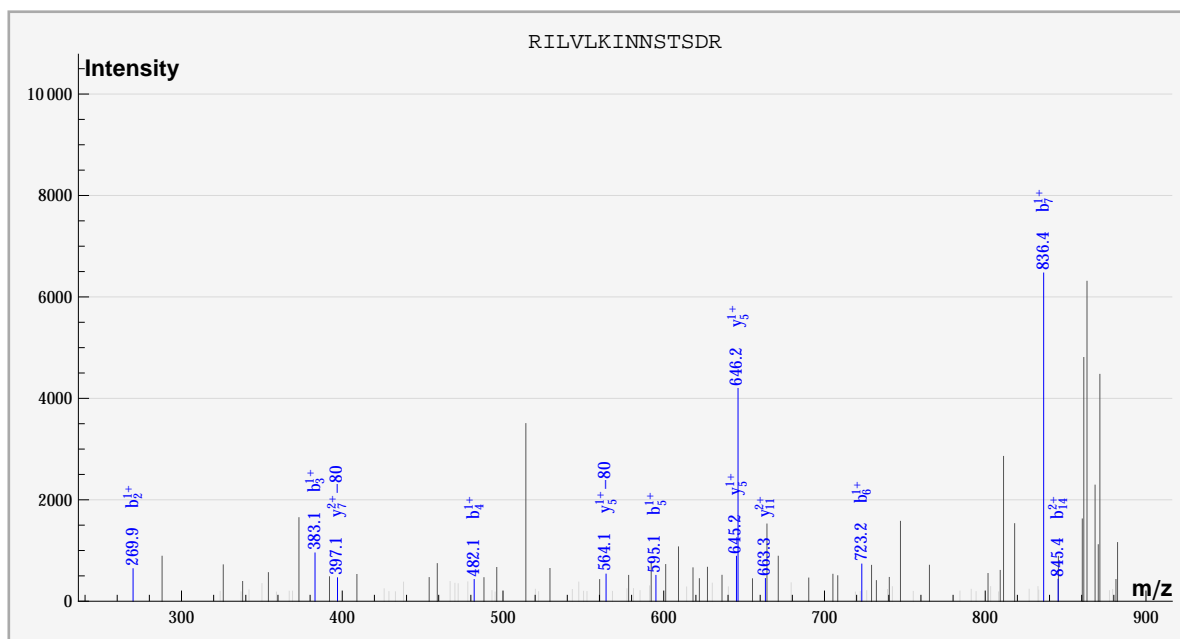
dbValid true DGTQLIK PHOS(1) 1. 856. -1.59811 5.16247 100. ? 2754.  
 S\_Acido\_new%gi|68567386|gb|AAY80315.1| DGTQLIK%:::PHOS:::%sample\_2%cmpd\_1281



	#	b	b*	#	y	y*	P	P*
D	1							
G	2			6				
T	3	✓		5		✓		
Q	4		✓	4				
L	5	✓	✓	3		✓		
I	6	✓	✓	2				
K	7	✓		1				



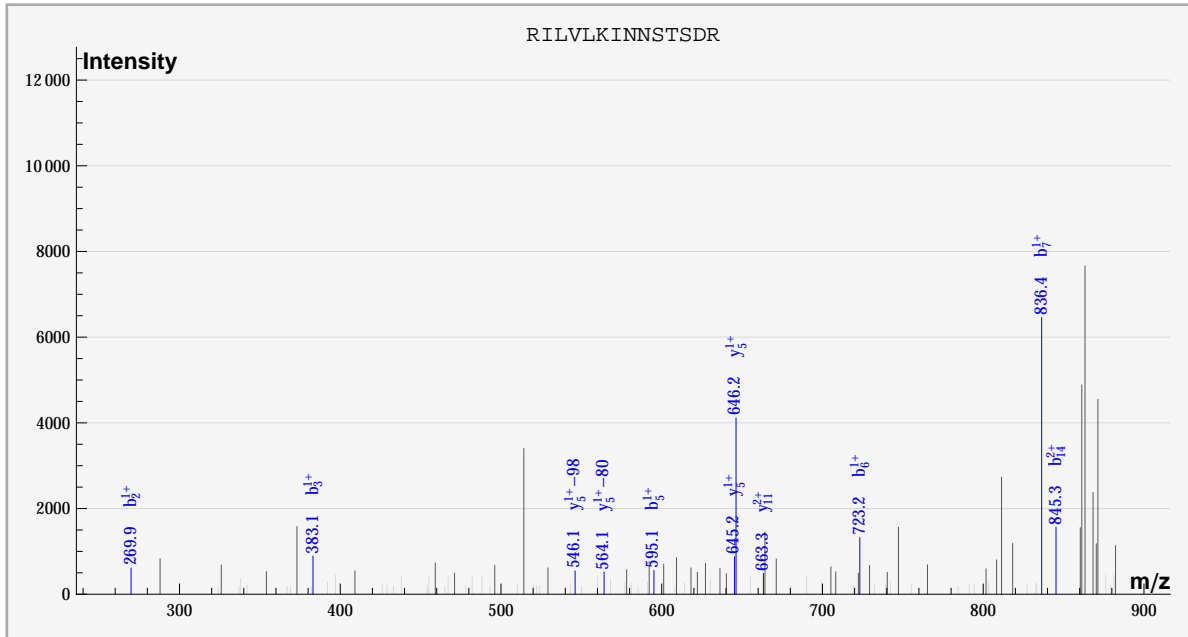
dbValid true RILVLKINNSTSDR PHOS(1) 2. 856. -1.0411 5.27494 100. ? 2778.  
 S\_Acido\_new%gi|68567750|gb|AAy80679.1| RILVLKINNSTSDR%:.....PHOS:.....%sample\_2%compd\_1301



	#	b	b*	#	y	y*	P	P*
R	1							
I	2	✓		13				
L	3	✓		12				
V	4	✓		11	✓			
L	5	✓		10				
K	6	✓		9				
I	7	✓		8				
N	8			7		✓		
N	9			6				
S	10			5	✓	✓		
T	11			4				
S	12			3				
D	13			2				
R	14	✓		1				

R I L V L K I N N S T S D R

dbValid true RILVLKINNSTSDR PHOS(1) 2. 856. -1.0411 5.12647 100. ? 2790.  
 S\_Acido\_new%gi|68567750|gb|AAY80679.1| RILVLKINNSTSDR%:::PHOS:::sample\_2%cmpd\_1311

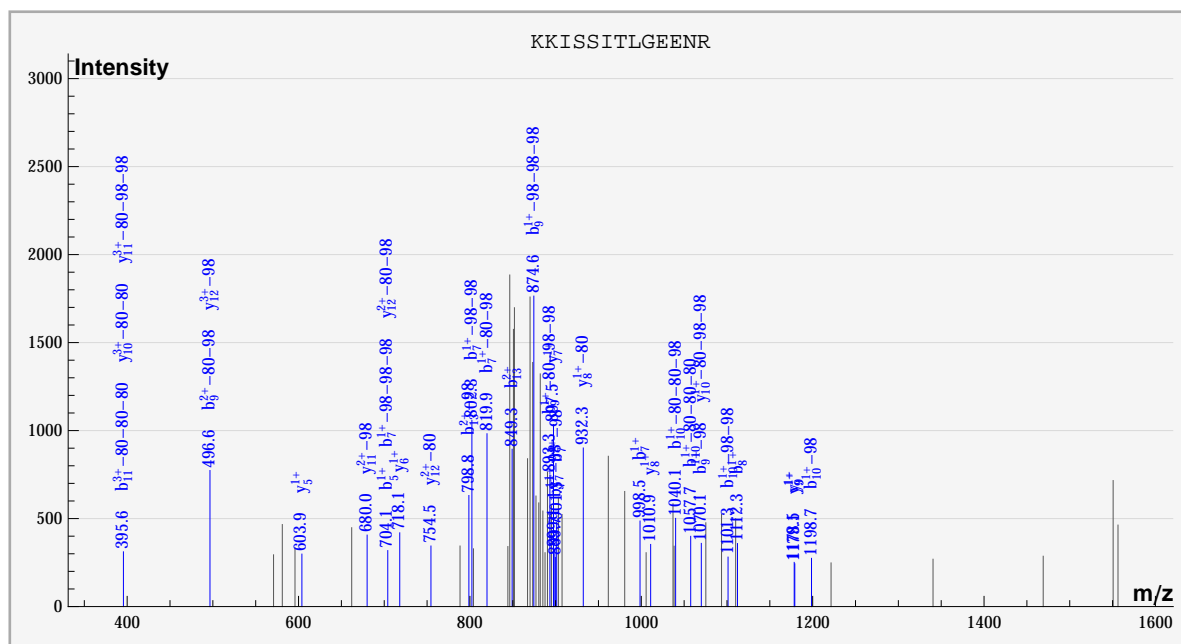


	#	b	b*	#	y	y*	P	P*
R	1							
I	2	✓		13				
L	3	✓		12				
V	4			11	✓			
L	5	✓		10				
K	6	✓		9				
I	7	✓		8				
N	8			7				
N	9			6				
S	10			5	✓	✓		
T	11			4				
S	12			3				
D	13			2				
R	14	✓		1				

R I L V L K I N N S T S D R

dbValid true KKISSITLGEENR PHOS(3) 2. 856. 1.86428 5.00465 100. ? 3372.

S\_Acido\_new%gi|68566792|gb|AA79721.1| KKISSITLGEENR%::::PHOS:PHOS::PHOS:::::sample\_3%cmpd\_1736



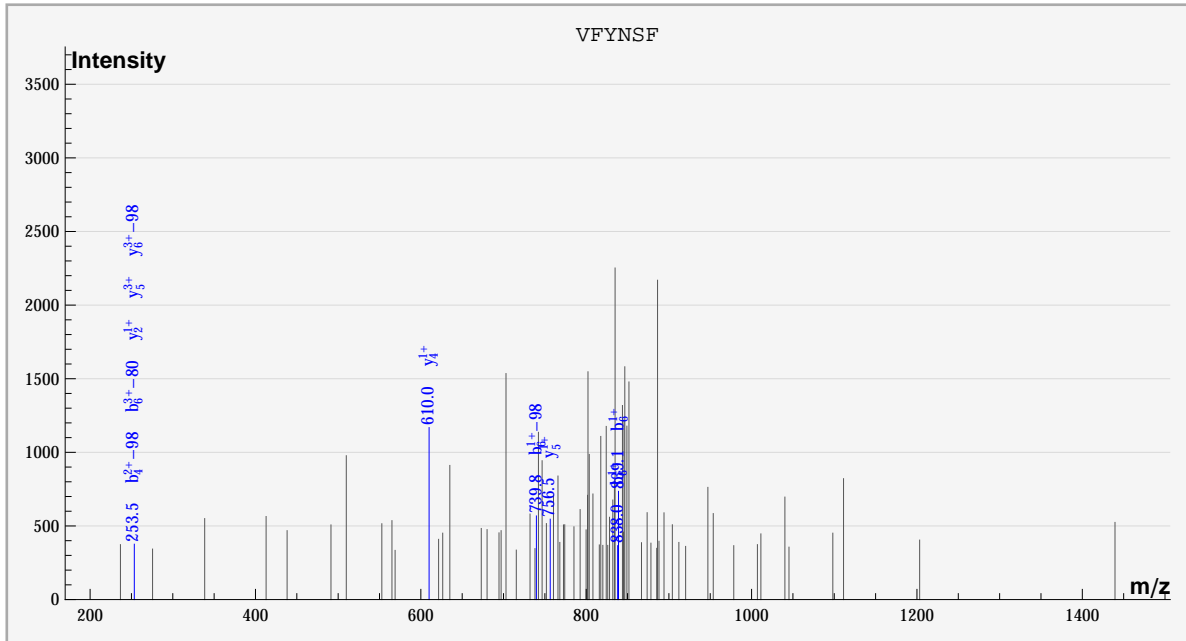
	#	b	b*	#	y	y*	P	P*
K	1							
K	2			12		✓		
I	3			11		✓		
S	4			10		✓		
S	5	✓		9	✓			
I	6			8	✓	✓		
T	7	✓	✓	7	✓			
L	8	✓		6	✓			
G	9		✓	5	✓			
E	10		✓	4				
E	11		✓	3				
N	12			2				
R	13	✓	✓	1				

K K I S S I T L G E E N R

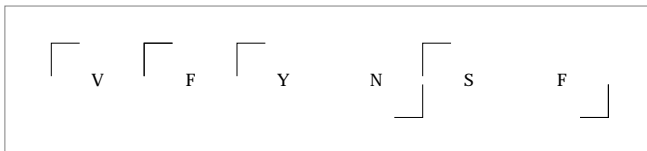


dbValid true VFYNSF PHOS(1) 1. 857. -0.672325 5.19295 100. ? 2250.

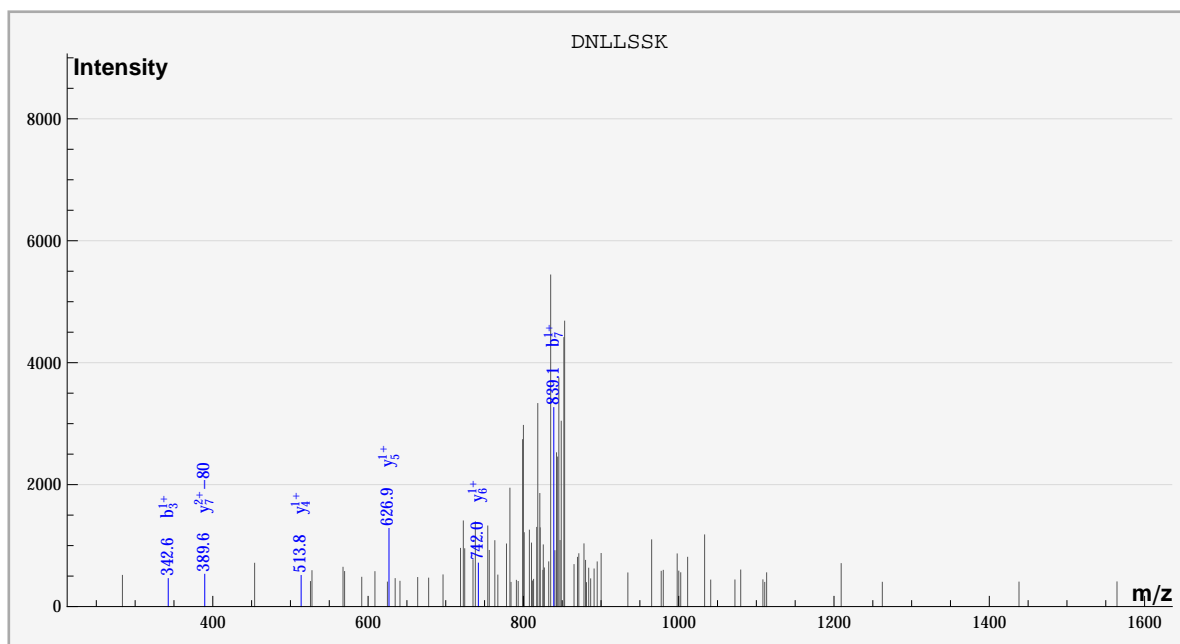
S\_Acido\_new%gi|68567539|gb|AAY80468.1| VFYNSF%:::PHOS:::%sample\_2%compd\_916



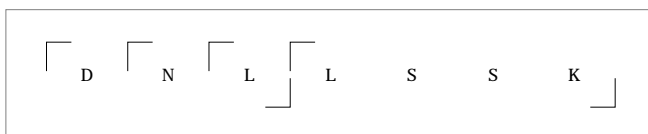
	#	b	b*	#	y	y*	P	P*
V	1							✓
F	2			5	✓			
Y	3			4	✓			
N	4	✓		3				
S	5		✓	2	✓			
F	6	✓	✓	1				



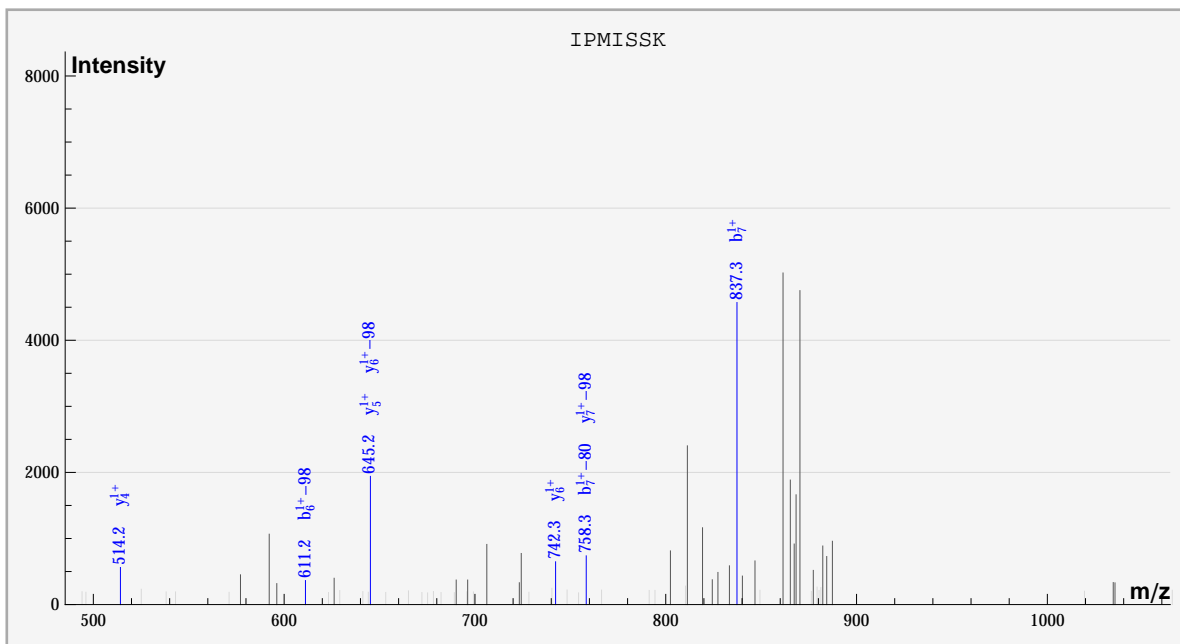
dbValid true DNLSSK PHOS(1) 1. 857. -0.618835 5.32122 100. ? 2784.  
 S\_Acido\_new%gi|68567264|gb|AAY80193.1| DNLSSK%:::::PHOS::%sample\_2%cmpd\_1404



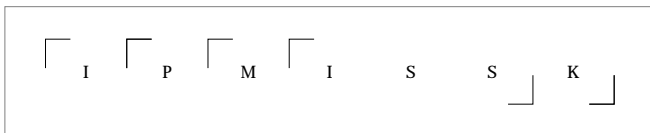
	#	b	b*	#	y	y*	P	P*
D	1							✓
N	2			6	✓			
L	3	✓		5	✓			
L	4			4	✓			
S	5			3				
S	6			2				
K	7	✓		1				



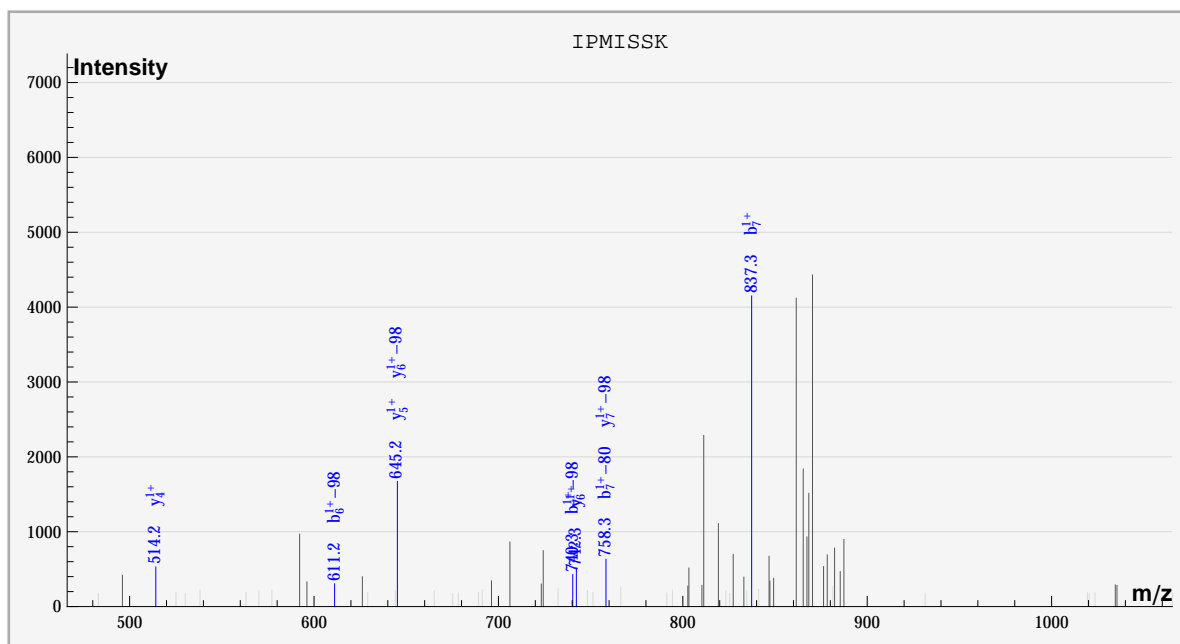
dbValid true IPMISSK PHOS(1) 1. 857. -1.59546 5.02453 100. ? 3216.  
 S\_Acido\_new%gi68566555|gb|AAY79484.1| IPMISSK%:::::PHOS::%sample\_2%compd\_1668



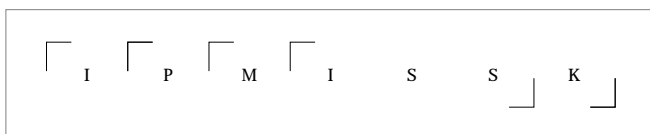
	#	b	b*	#	y	y*	P	P*
I	1							✓
P	2			6	✓	✓		
M	3			5	✓			
I	4			4	✓			
S	5			3				
S	6		✓	2				
K	7	✓	✓	1				



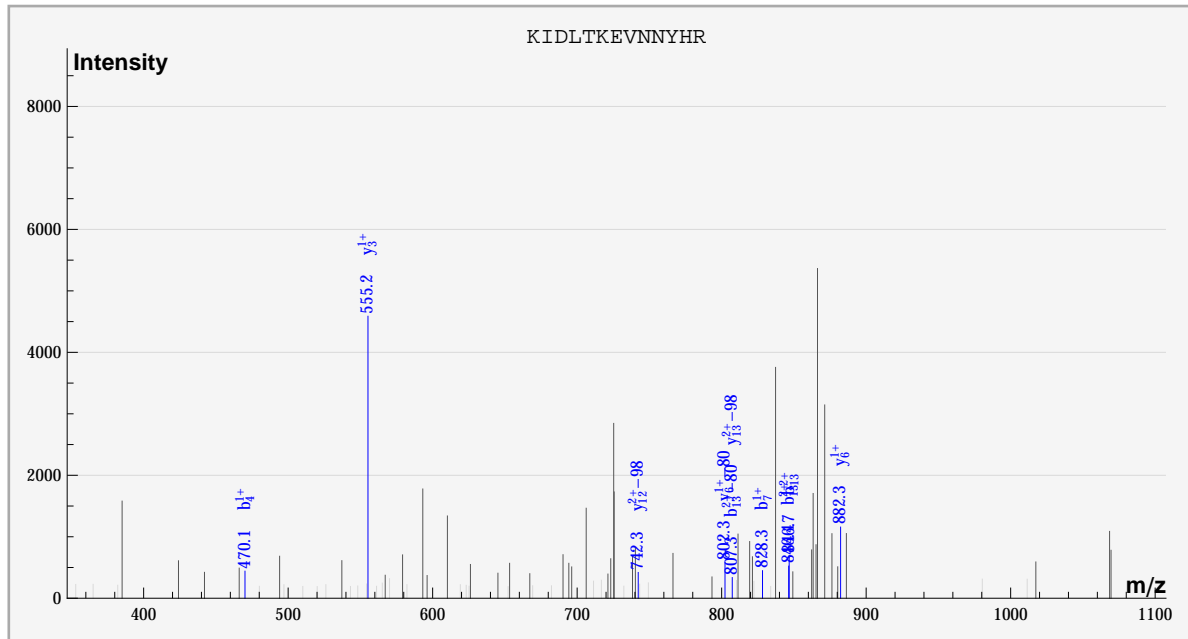
dbValid true IPMISSK PHOS(1) 1. 857. -1.59546 5.31981 100. ? 3240.  
 S\_Acido\_new%gi68566555|gb|AAY79484.1| IPMISSK%:::::PHOS::%sample\_2%compd\_1688



	#	b	b*	#	y	y*	P	P*
I	1							✓
P	2			6	✓	✓		
M	3			5	✓			
I	4			4	✓			
S	5			3				
S	6		✓	2				
K	7	✓	✓	1				



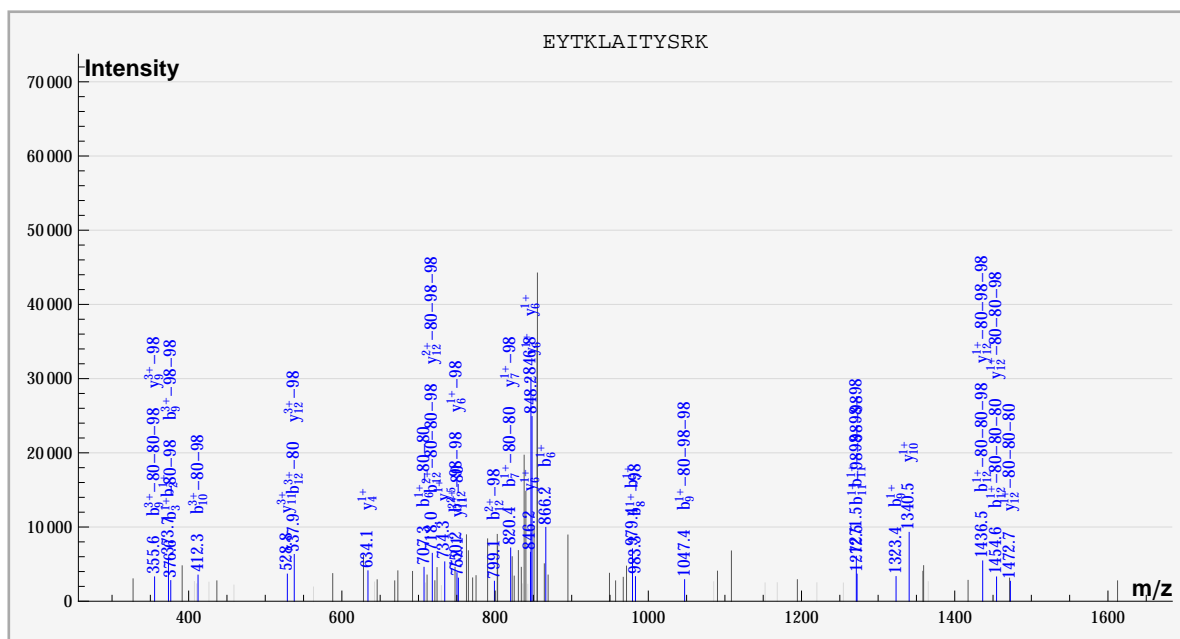
dbValid true KIDLTKEVNYYHR PHOS(1) 2. 857. -1.57785 5.09267 100. ? 3504.  
 S\_Acido\_new%gi|68567993|gb|AA80922.1| KIDLTKEVNYYHR%.....PHOS::%sample\_2%compd\_1910



	#	b	b*	#	y	y*	P	P*
K	1							✓
I	2			12		✓		
D	3			11				
L	4	✓		10				
T	5			9				
K	6			8				
E	7	✓		7				
V	8			6	✓	✓		
N	9			5				
N	10			4				
Y	11			3	✓			
H	12			2				
R	13	✓	✓	1				

「 K 「 I D L 」 T K E 」 V N N 「 Y H R 」

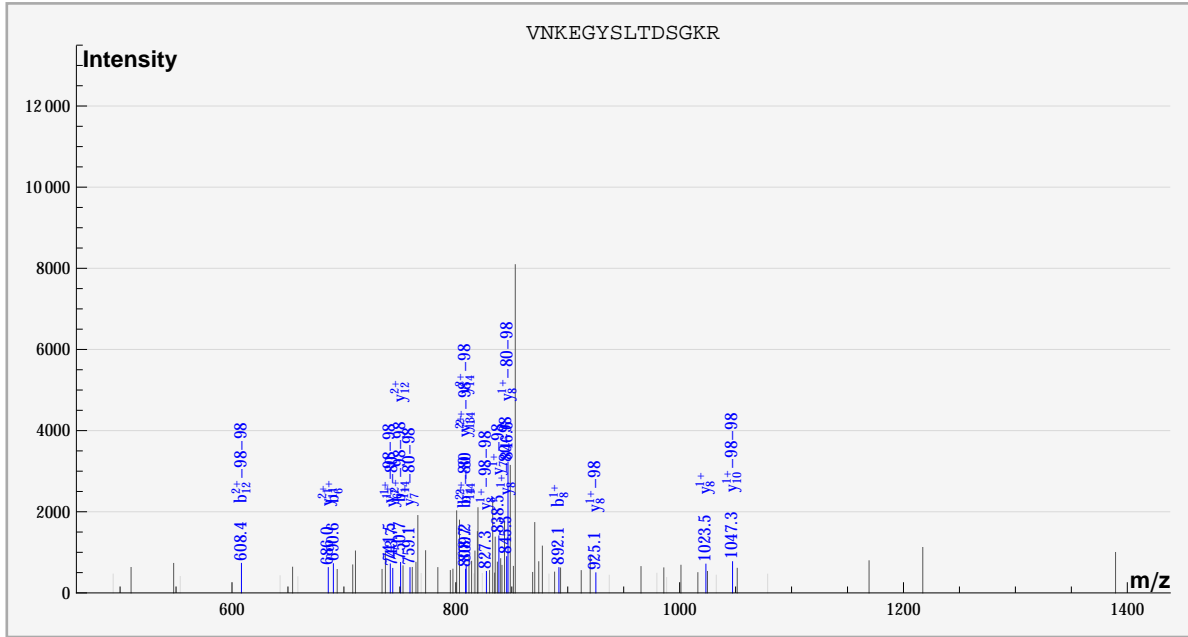
dbValid true EYTKLAITYSRK PHOS(3) 2. 857.76 -0.901533 5.30517 100. ? 2172.  
 S\_Acido\_new%gi|68566534|gb|AA79463.1| EYTKLAITYSRK%::PHOS:PHOS:::::PHOS:::::sample\_1%compd\_831



	#	b	b*	#	y	y*	P	P*
E	1							✓
Y	2	✓		11	✓	✓		
T	3		✓	10	✓			
K	4			9		✓		
L	5			8				
A	6	✓	✓	7		✓		
I	7	✓	✓	6	✓	✓		
T	8		✓	5	✓			
Y	9	✓	✓	4	✓			
S	10		✓	3				
R	11		✓	2				
K	12		✓	1				

E Y T K L A I T Y S R K

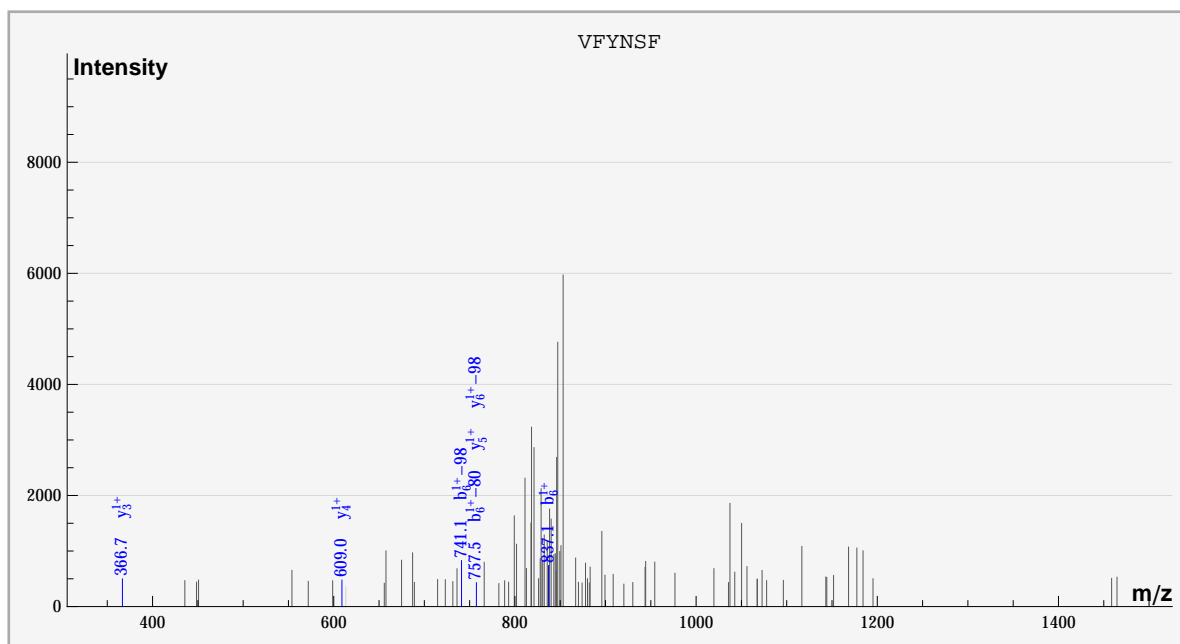
dbValid true VNKEGYSLTDSGKR PHOS(2) 2. 858. -0.634158 5.14615 100. ? 2988.  
 S\_Acido\_new%gi|68568170|gb|AA81099.1| VNKEGYSLTDSGKR%:::PHOS::PHOS:::sample\_2%compd\_1593



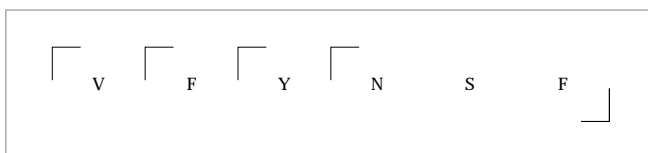
	#	b	b*	#	y	y*	P	P*
V	1							✓
N	2			13	✓			
K	3			12	✓			
E	4			11	✓			
G	5			10		✓		
Y	6	✓		9				
S	7			8	✓	✓		
L	8	✓		7		✓		
T	9			6		✓		
D	10			5				
S	11			4				
G	12		✓	3				
K	13			2				
R	14		✓	1				

V N K E G Y S L T D S G K R

dbValid true VFYNSF PHOS(1) 1. 858. -1.67233 5.0363 100. ? 3198.  
 S\_Acido\_new%gi|68567539|gb|AAY80468.1| VFYNSF%:::PHOS:::%sample\_2%cmpd\_1780

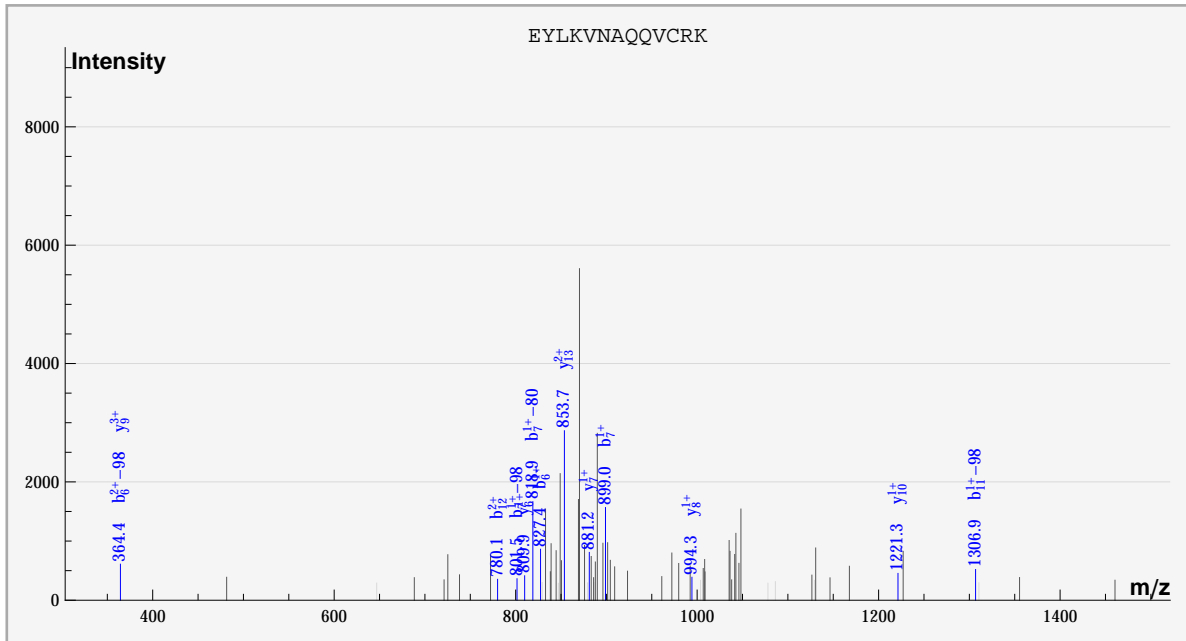


	#	b	b*	#	y	y*	P	P*
V	1							✓
F	2			5	✓			
Y	3			4	✓			
N	4			3	✓			
S	5			2				
F	6	✓	✓	1				





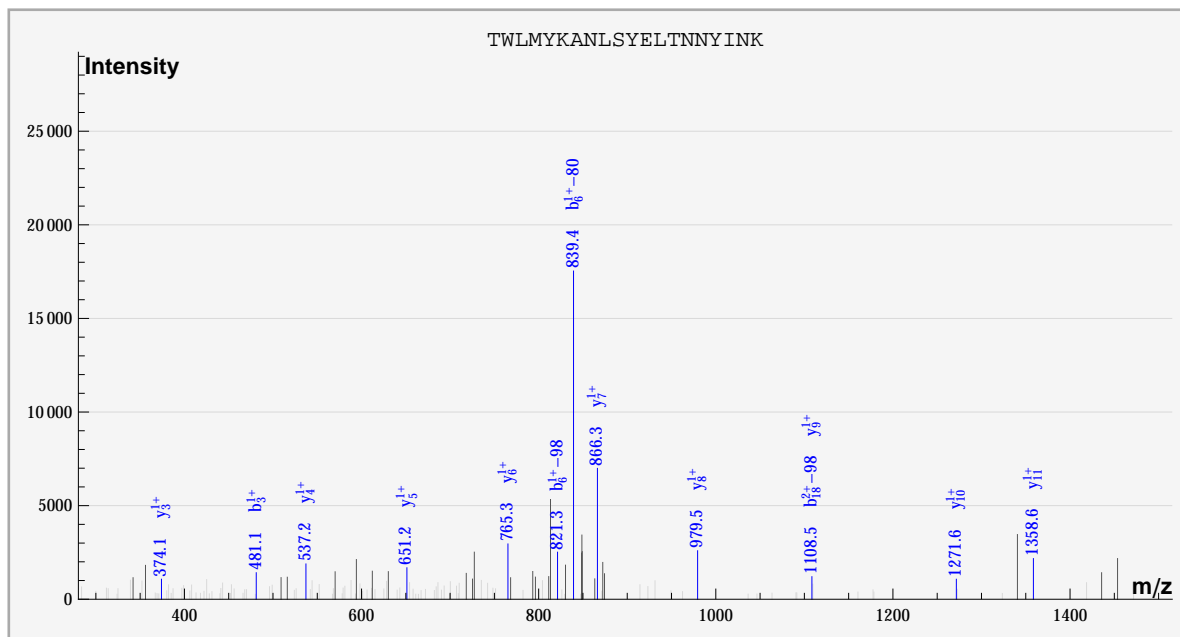
dbValid true EYLVNAQQVCRK Cys\_CAM(1),PHOS(1) 2. 858. 0.418557 5.18261 100. ? 3492.  
 S\_Acido\_new%gil68566964|gb|AAY79893.1| EYLVNAQQVCRK%::PHOS:::Cys\_CAM:::sample\_3%cmpd\_1839



	#	b	b*	#	y	y*	P	P*
E	1							✓
Y	2			12				
L	3			11				
K	4			10	✓			
V	5			9	✓			
N	6	✓	✓	8	✓			
A	7	✓	✓	7	✓			
Q	8			6	✓			
Q	9			5				
V	10			4				
C	11		✓	3				
R	12	✓		2				
K	13			1				

E Y L K V N A Q Q V C R K

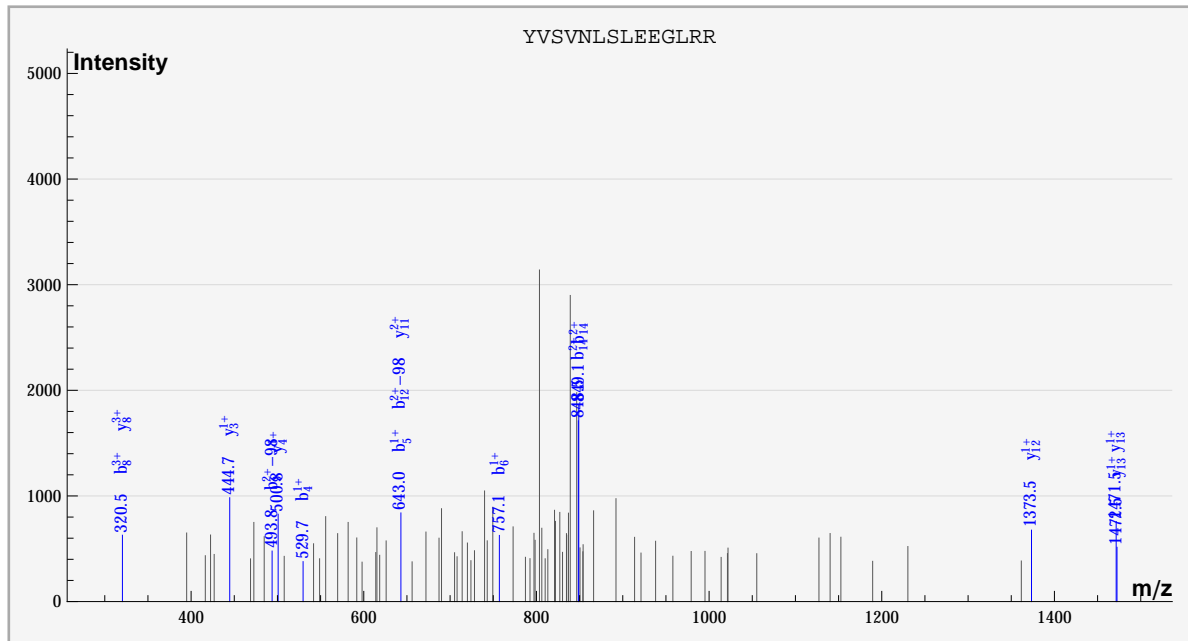
dbValid true TWLMYKANLSYELTNNYINK Oxidation\_M(1),PHOS(1) 3.  
 859. 0.0694582 5.46767 100. ? 2334. S\_Acido\_new%g|68567318|gb|AAAY80247.1|  
 TWLMYKANLSYELTNNYINK%:PHOS:::Oxidation\_M:::.....%sample\_2%compd\_927



	#	b	b*	#	y	y*	P	P*
T	1							
W	2			19				
L	3	✓		18				
M	4			17				
Y	5			16				
K	6		✓	15				
A	7			14				
N	8			13				
L	9			12				
S	10			11	✓			
Y	11			10	✓			
E	12			9	✓			
L	13			8	✓			
T	14			7	✓			
N	15			6	✓			
N	16			5	✓			
Y	17			4	✓			
I	18	✓		3	✓			
N	19			2				
K	20			1				

T W L<sub>Y</sub> M Y K<sub>Y</sub> A N L<sub>S</sub> Y<sub>E</sub> L<sub>T</sub> N<sub>N</sub> Y<sub>I</sub> N K

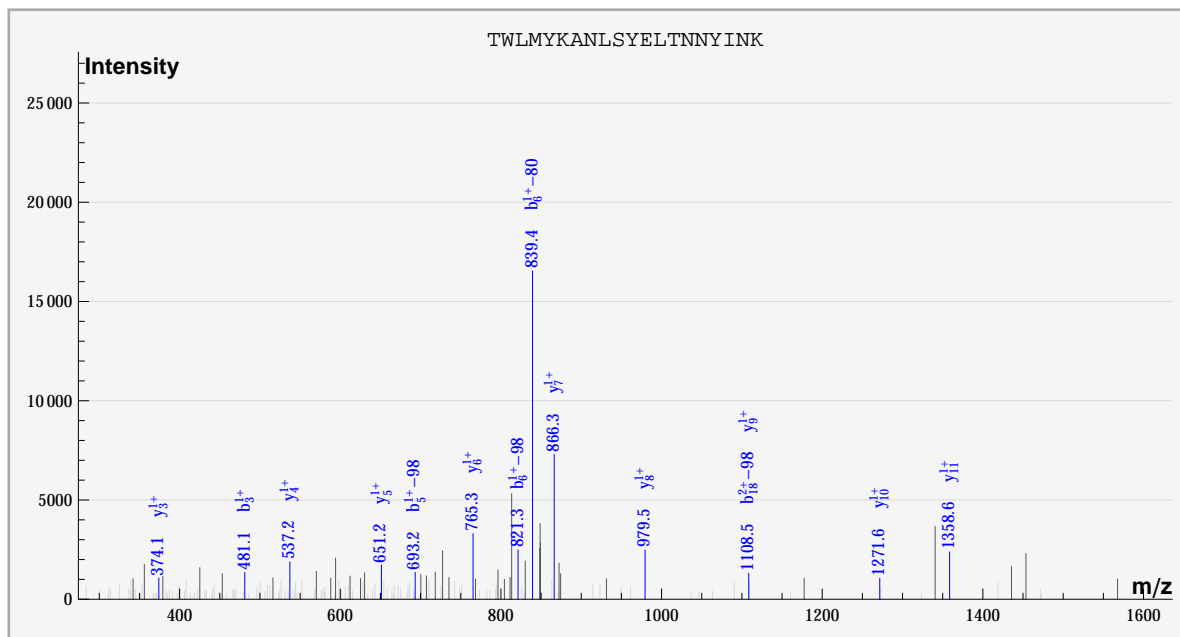
dbValid true YVSVNLSLEEGLRR PHOS(1) 2. 859. -1.07019 5.26457 100. ? 2346.  
 S\_Acido\_new%gi|68568082|gb|AAY81011.1| YVSVNLSLEEGLRR%:PHOS:::sample\_2%compd\_1008



	#	b	b*	#	y	y*	P	P*
Y	1							
V	2			13	✓			
S	3			12	✓			
V	4	✓		11	✓			
N	5	✓		10				
L	6	✓		9				
S	7			8	✓			
L	8	✓		7				
E	9		✓	6				
E	10			5				
G	11			4	✓			
L	12		✓	3	✓			
R	13			2				
R	14	✓		1				

Y V S V N L S L E E G L R R

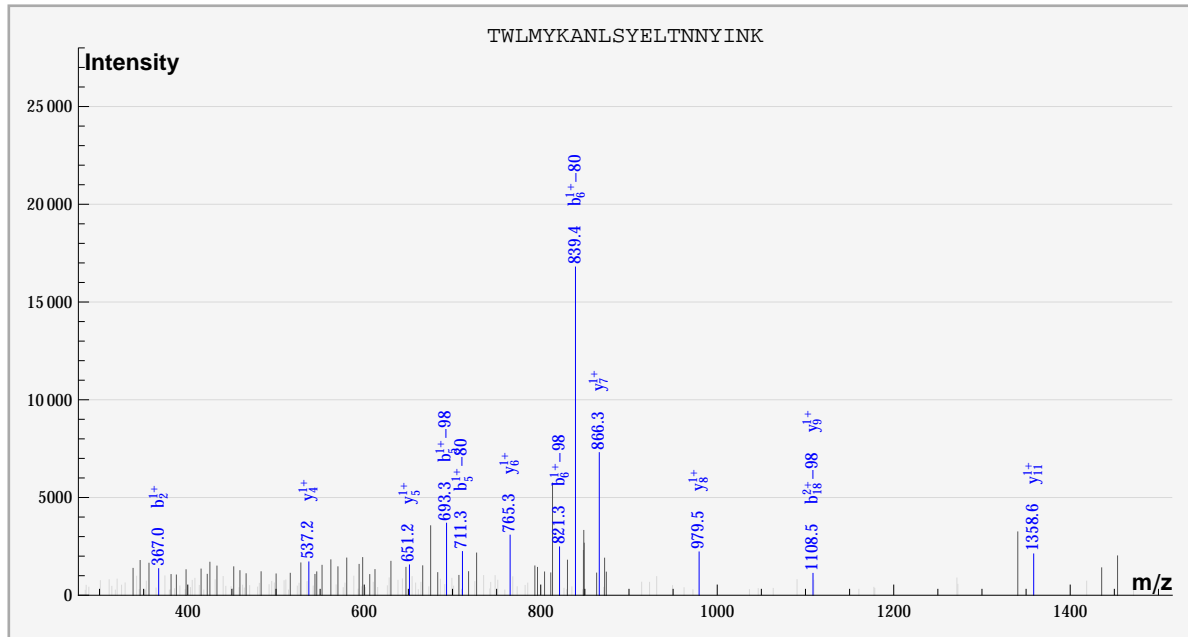
dbValid true TWLMYKANLSYELTNNYINK Oxidation\_M(1),PHOS(1) 3.  
 859. 0.0694582 5.30378 100. ? 2358. S\_Acido\_new%g|68567318|gb|AAAY80247.1|  
 TWLMYKANLSYELTNNYINK%:PHOS:::Oxidation\_M:.....:sample\_2%compd\_947



	#	b	b*	#	y	y*	P	P*
T	1							
W	2			19				
L	3	✓		18				
M	4			17				
Y	5		✓	16				
K	6		✓	15				
A	7			14				
N	8			13				
L	9			12				
S	10			11	✓			
Y	11			10	✓			
E	12			9	✓			
L	13			8	✓			
T	14			7	✓			
N	15			6	✓			
N	16			5	✓			
Y	17			4	✓			
I	18	✓		3	✓			
N	19			2				
K	20			1				

T W L<sub>M</sub> Y<sub>K</sub> A N L<sub>S</sub> Y<sub>E</sub> L<sub>T</sub> N<sub>N</sub> Y<sub>I</sub> N K

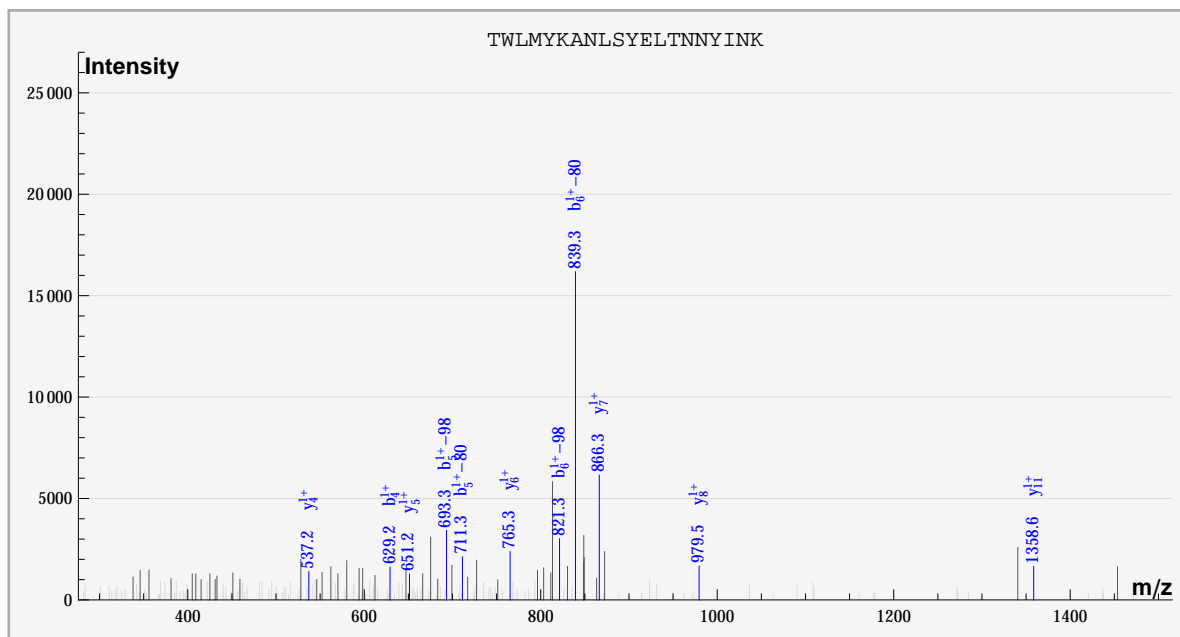
dbValid true TWLMYKANLSYELTNNYINK Oxidation\_M(1),PHOS(1) 3.  
 859. 0.0694582 5.19677 100. ? 2382. S\_Acido\_new%g|68567318|gb|AAy80247.1|  
 TWLMYKANLSYELTNNYINK%:PHOS:::Oxidation\_M:.....:sample\_2%compd\_967



	#	b	b*	#	y	y*	P	P*
T	1							
W	2	✓		19				
L	3			18				
M	4			17				
Y	5		✓	16				
K	6		✓	15				
A	7			14				
N	8			13				
L	9			12				
S	10			11	✓			
Y	11			10				
E	12			9	✓			
L	13			8	✓			
T	14			7	✓			
N	15			6	✓			
N	16			5	✓			
Y	17			4	✓			
I	18		✓	3				
N	19			2				
K	20			1				

T W<sub>2</sub> L M Y<sub>5</sub> K<sub>6</sub> A N L<sub>13</sub> S Y<sub>11</sub> E<sub>12</sub> L<sub>13</sub> T<sub>14</sub> N<sub>15</sub> N<sub>16</sub> Y<sub>17</sub> I<sub>18</sub> N K

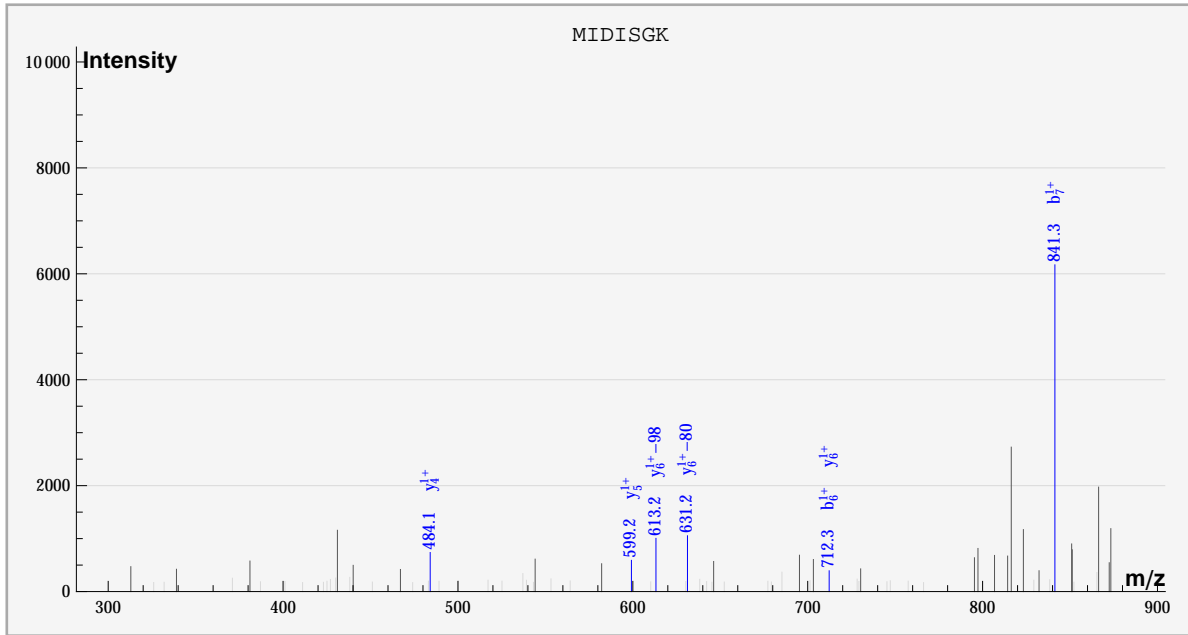
dbValid true TWLMYKANLSYELTNNYINK Oxidation\_M(1),PHOS(1) 3.  
 859. 0.0694582 5.20097 100. ? 2430. S\_Acido\_new%g|68567318|gb|AAAY80247.1|  
 TWLMYKANLSYELTNNYINK%:PHOS:::Oxidation\_M:::.....:sample\_2%compd\_1009



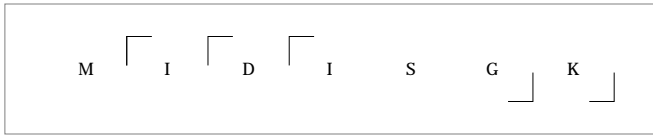
	#	b	b*	#	y	y*	P	P*
T	1							
W	2			19				
L	3			18				
M	4	✓		17				
Y	5		✓	16				
K	6		✓	15				
A	7			14				
N	8			13				
L	9			12				
S	10			11	✓			
Y	11			10				
E	12			9				
L	13			8	✓			
T	14			7	✓			
N	15			6	✓			
N	16			5	✓			
Y	17			4	✓			
I	18			3				
N	19			2				
K	20			1				

T W L M Y K A N L S Y E L T N N Y I N K

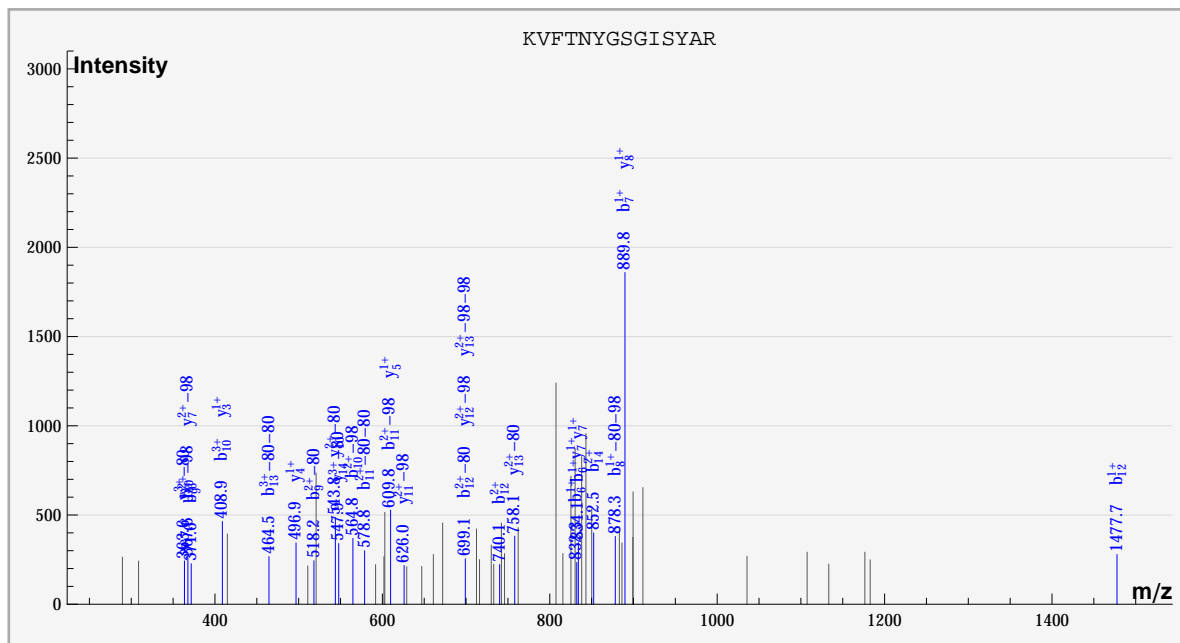
dbValid true MIDISGK Oxidation\_M(1),PHOS(1) 1. 861. -1.63695 5.28119 100. ? 2736.  
 S\_Acido\_new%gil68567339|gb|AAY80268.1| MIDISGK%:Oxidation\_M:::PHOS:::%sample\_3%compd\_1166



	#	b	b*	#	y	y*	P	P*
M	1							
I	2			6	✓	✓		
D	3			5	✓			
I	4			4	✓			
S	5			3				
G	6	✓		2				
K	7	✓		1				



dbValid true KVFTNYGSGISYAR PHOS(2) 2. 862. -0.131978 6.13465 100. ? 2064.  
 S\_Acido\_new%gi|68567291|gb|AAy80220.1| KVFTNYGSGISYAR%:::PHOS:::PHOS:::sample\_3%compd\_738



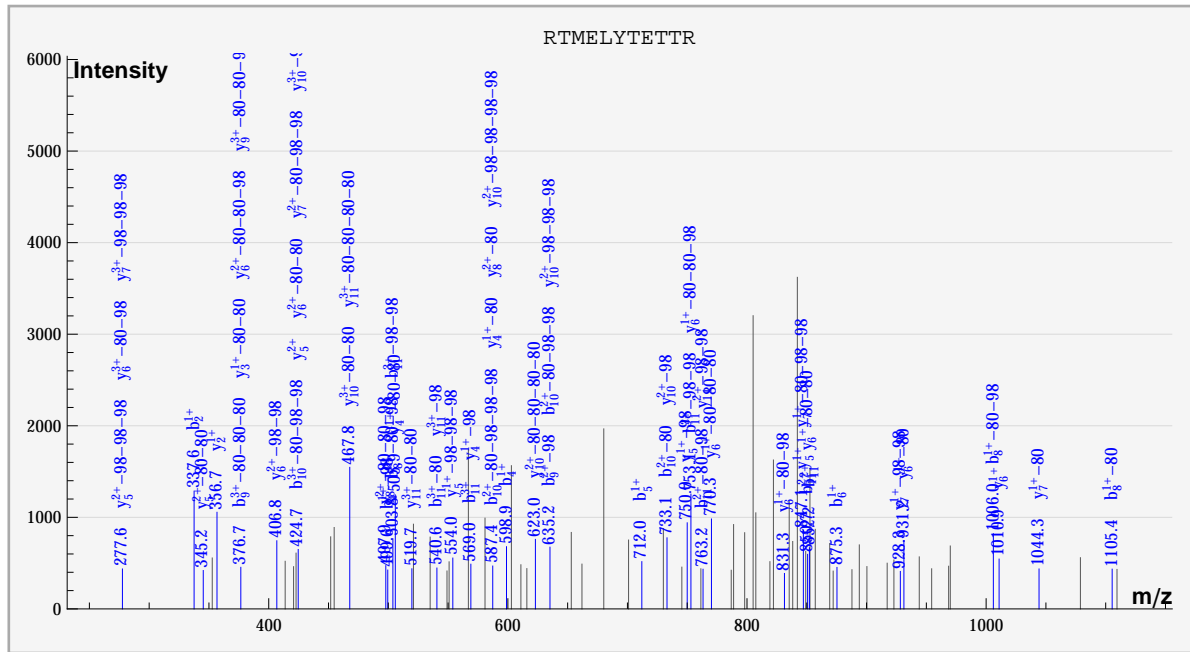
	#	b	b*	#	y	y*	P	P*
K	1							✓
V	2			13				✓
F	3			12				✓
T	4			11				✓
N	5			10				✓
Y	6	✓	✓	9				
G	7	✓		8	✓			
S	8		✓	7	✓	✓		
G	9	✓	✓	6				
I	10	✓	✓	5	✓			
S	11	✓	✓	4	✓			
Y	12	✓	✓	3	✓			
A	13		✓	2				
R	14	✓		1				

[K][V][F][T][N][Y][G][S][G][I][S][Y][A][R]



dbValid true RTMELYTETTR PHOS(4) 2. 862. -1.22183 5.42725 100. ? 2316.

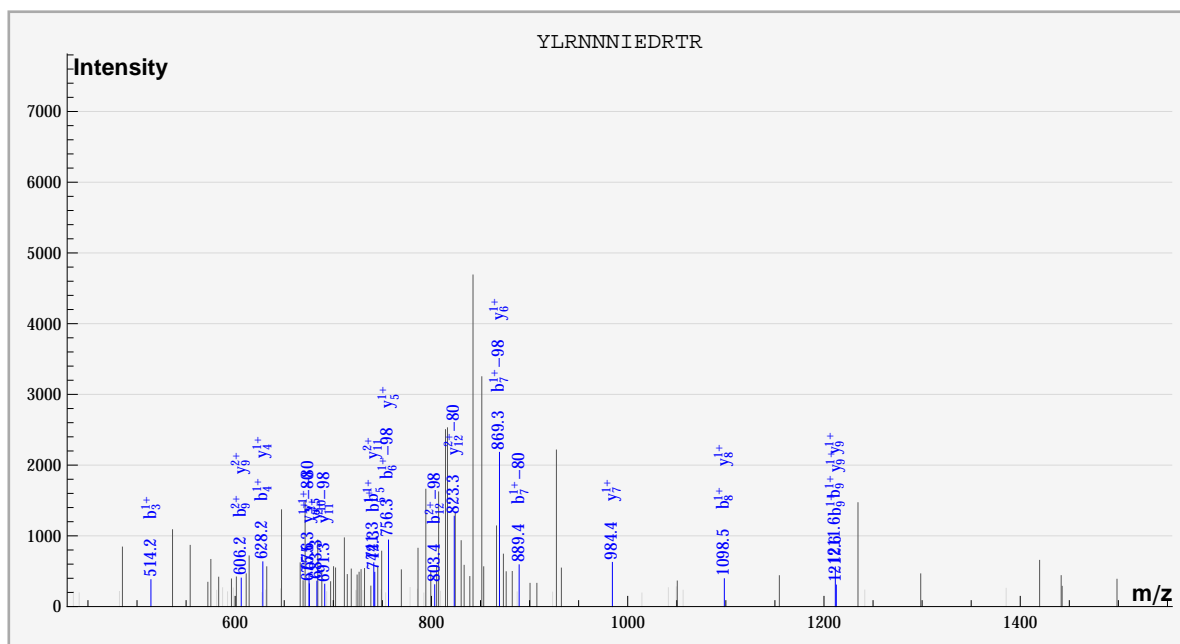
S\_Acido\_new%gi|68567341|gb|AAy80270.1| RTMELYTETTR%::PHOS:::PHOS::PHOS::%sample\_3%compd\_970



	#	b	b*	#	y	y*	P	P*
R	1							✓
T	2	✓		10		✓		
M	3			9		✓		
E	4	✓	✓	8		✓		
L	5	✓		7		✓		
Y	6	✓		6	✓	✓		
T	7			5	✓	✓		
E	8		✓	4	✓	✓		
T	9		✓	3		✓		
T	10		✓	2	✓			
R	11	✓	✓	1				

RTMELYTETTR

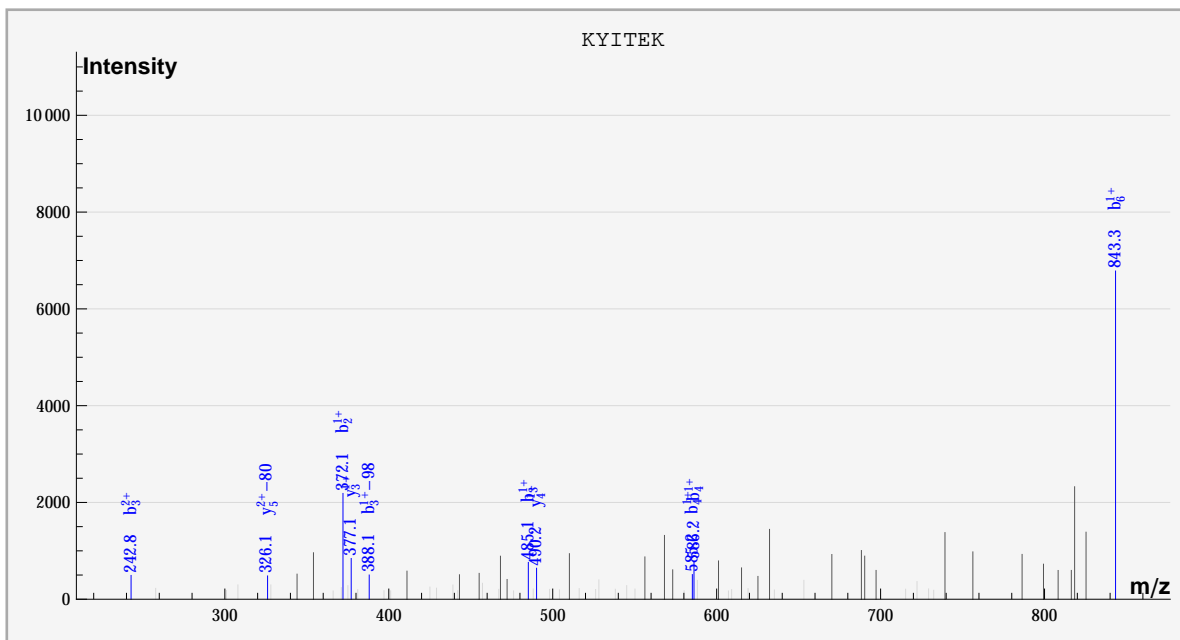
dbValid true YLRNNNIEDRTR PHOS(2) 2. 862. 0.369257 5.1304 100. ? 3150.  
 S\_Acido\_new%gi|68568405|gb|AAy81334.1| YLRNNNIEDRTR%:PHOS:.....PHOS::%sample\_3%compd\_1496



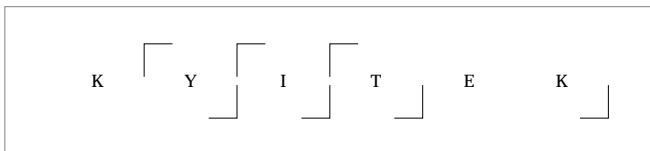
	#	b	b*	#	y	y*	P	P*
Y	1							✓
L	2			11	✓	✓		
R	3	✓		10	✓			
N	4	✓		9	✓			
N	5	✓		8	✓			
N	6		✓	7	✓			
I	7		✓	6	✓			
E	8	✓		5	✓	✓		
D	9	✓		4	✓			
R	10			3				
T	11			2				
R	12		✓	1				

Y L R N N N I E D R T R

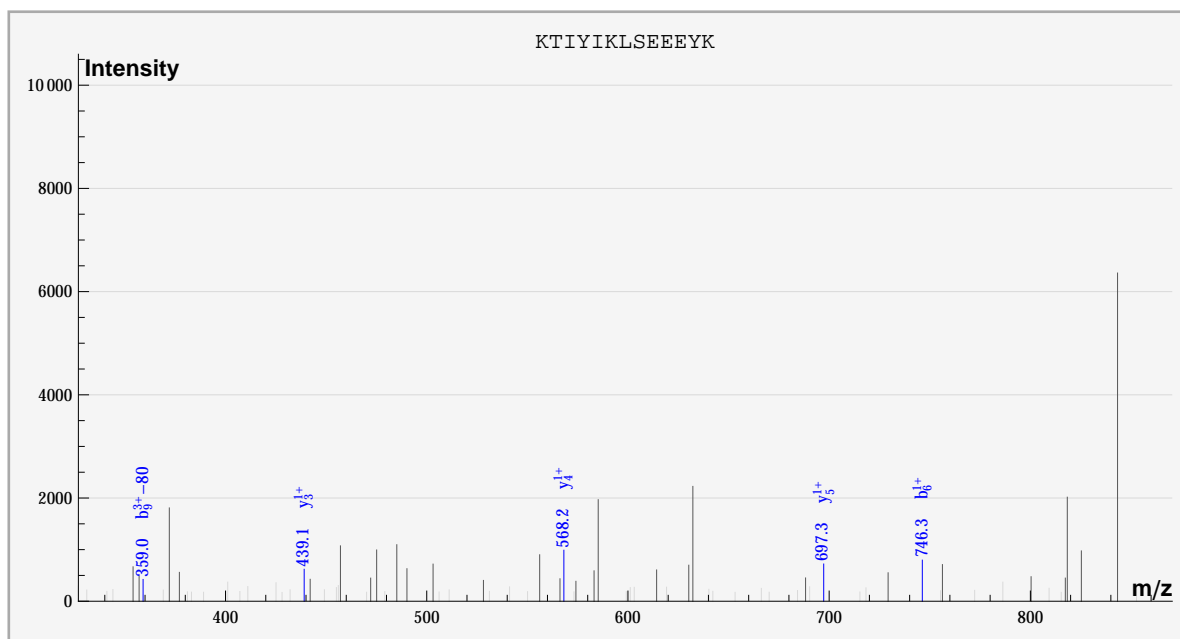
dbValid true KYITEK PHOS(1) 1. 863. -1.58827 5.1007 100. ? 1776.  
 S\_Acido\_new%gi68567959|gb|AAY80888.1| KYITEK%::PHOS:::%sample\_3%cmpd\_412



	#	b	b*	#	y	y*	P	P*
K	1							
Y	2	✓		5		✓		
I	3	✓	✓	4	✓			
T	4	✓		3	✓			
E	5			2				
K	6	✓		1				



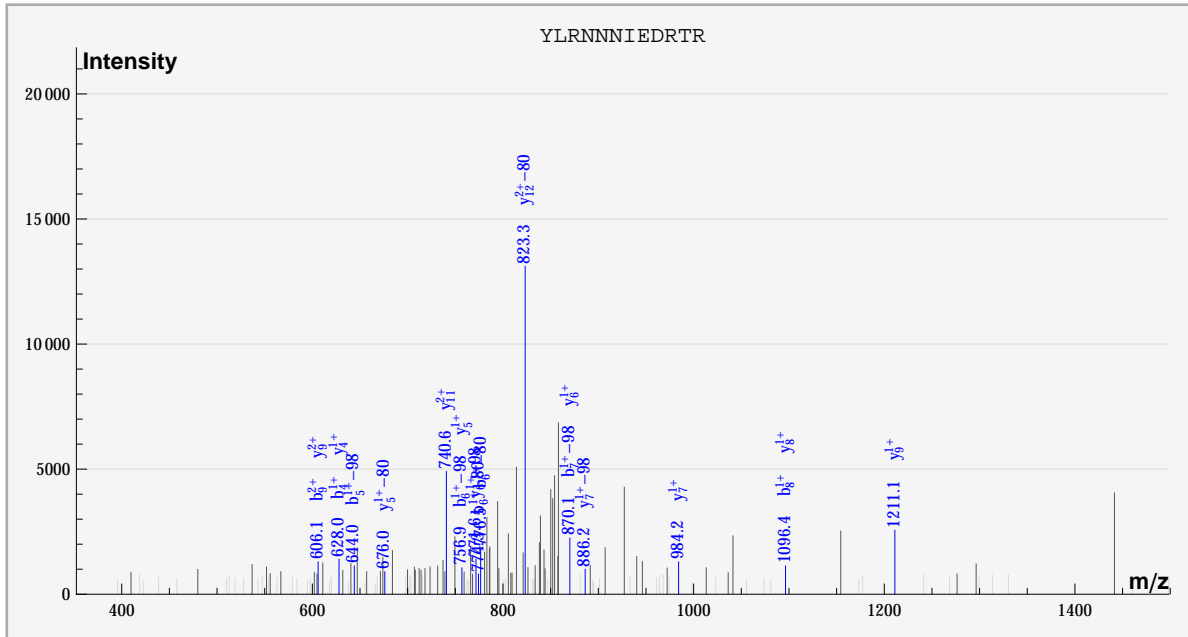
dbValid true KTIYIKLSEEEYK PHOS(1) 2. 863. -0.568683 5.25985 100. ? 2046.  
 S\_Acido\_new%gi|68567231|gb|AAY80160.1| KTIYIKLSEEEYK%::::::PHOS::::::%sample\_3%compd\_614



	#	b	b*	#	y	y*	P	P*
K	1							
T	2			12				
I	3			11				
Y	4			10				
I	5			9				
K	6	✓		8				
L	7			7				
S	8			6				
E	9		✓	5	✓			
E	10			4	✓			
E	11			3	✓			
Y	12			2				
K	13			1				

K T I Y I K L S E E E Y K

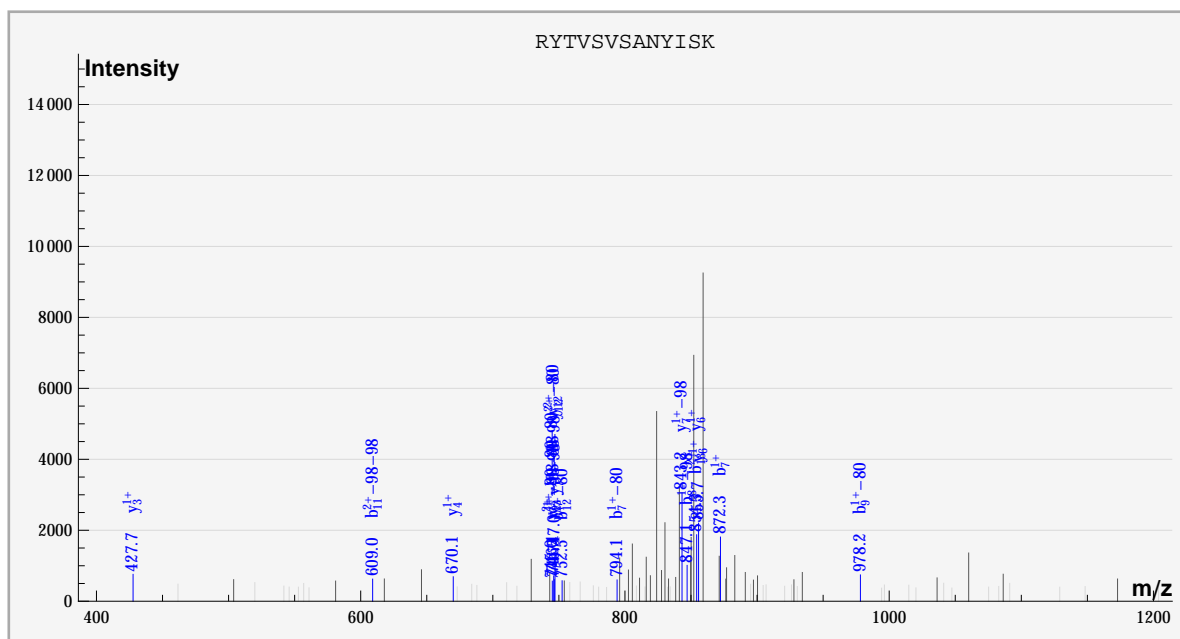
dbValid true YLRNNNIEDRTR PHOS(2) 2. 863. -0.630743 5.39123 100. ? 2958.  
 S\_Acido\_new%gi|68568405|gb|AAy81334.1| YLRNNNIEDRTR%:PHOS:::PHOS::%sample\_3%compd\_1558



	#	b	b*	#	y	y*	P	P*
Y	1							✓
L	2			11	✓			
R	3			10				
N	4	✓		9	✓			
N	5		✓	8	✓			
N	6		✓	7	✓	✓		
I	7		✓	6	✓	✓		
E	8	✓		5	✓	✓		
D	9	✓		4	✓			
R	10			3				
T	11			2				
R	12			1				

Y L R N N N I E D R T R

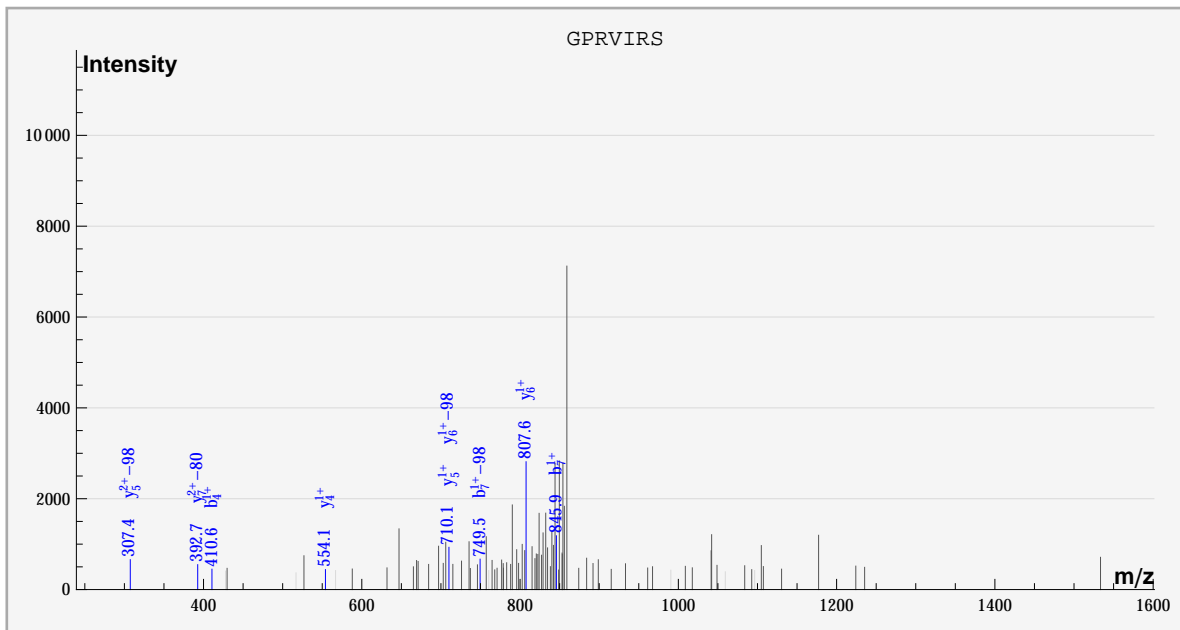
dbValid true RYTVSVSANYISK PHOS(3) 2. 864. 0.345727 5.50645 100. ? 2862.  
 S\_Acido\_new%gi|68567901|gb|AA80830.1| RYTVSVSANYISK%:::PHOS:::PHOS::PHOS::%sample\_3%compd\_1470



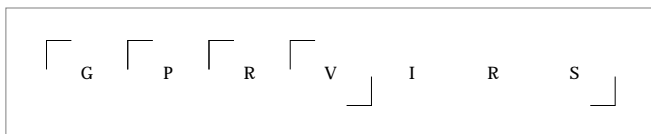
	#	b	b*	#	y	y*	P	P*
R	1							✓
Y	2			12		✓		
T	3			11				
V	4			10				
S	5			9				
V	6			8				
S	7	✓	✓	7		✓		
A	8		✓	6	✓			
N	9		✓	5				
Y	10			4	✓			
I	11		✓	3	✓			
S	12		✓	2				
K	13	✓		1				

「 R 「 Y T V S V 「 S 「 A 」 N 「 Y 「 I 」 S 」 K 」

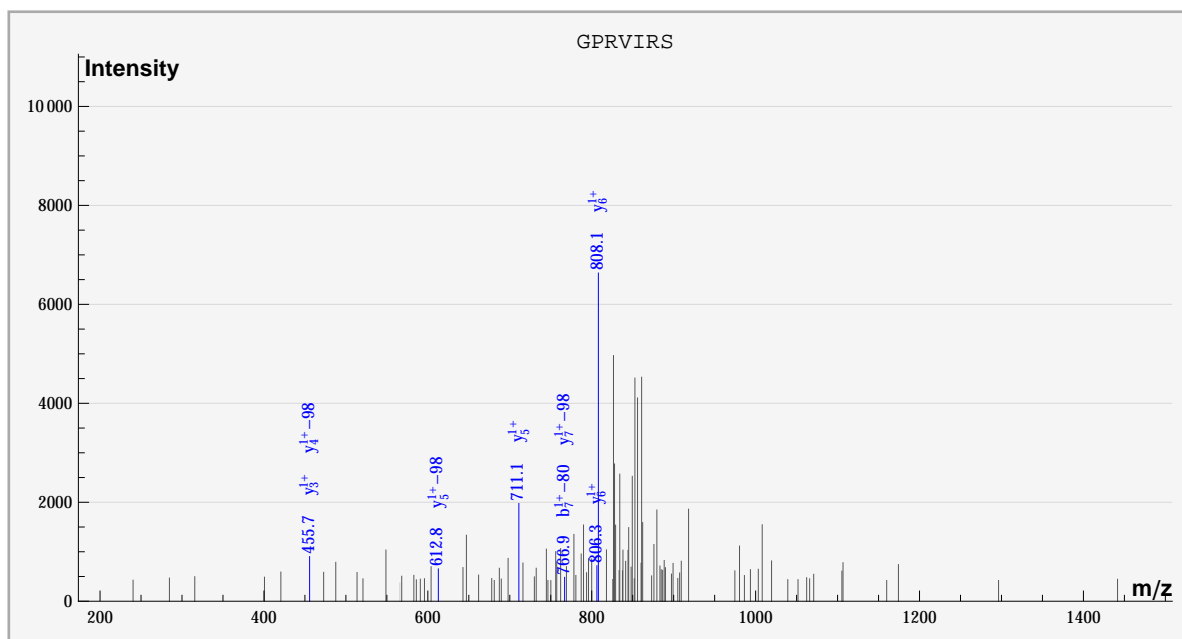
dbValid true GPRVIRS PHOS(1) 1. 864. 0.445095 5.44463 100. ? 3000.  
 S\_Acido\_new%gi|68567662|gb|AAY80591.1| GPRVIRS%:::PHOS%sample\_3%compd\_1592



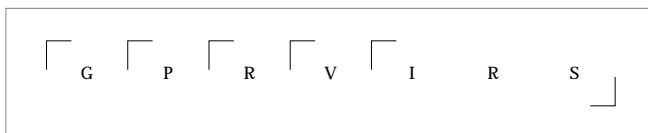
	#	b	b*	#	y	y*	P	P*
G	1							✓
P	2			6	✓	✓		
R	3			5	✓	✓		
V	4	✓		4	✓			
I	5			3				
R	6			2				
S	7	✓	✓	1				



dbValid true GPRVIRS PHOS(1) 1. 866. -1.55491 5.31611 100. ? 2802.  
 S\_Acido\_new%gi|68567662|gb|AAY80591.1| GPRVIRS%:::PHOS:%sample\_3%compd\_1417



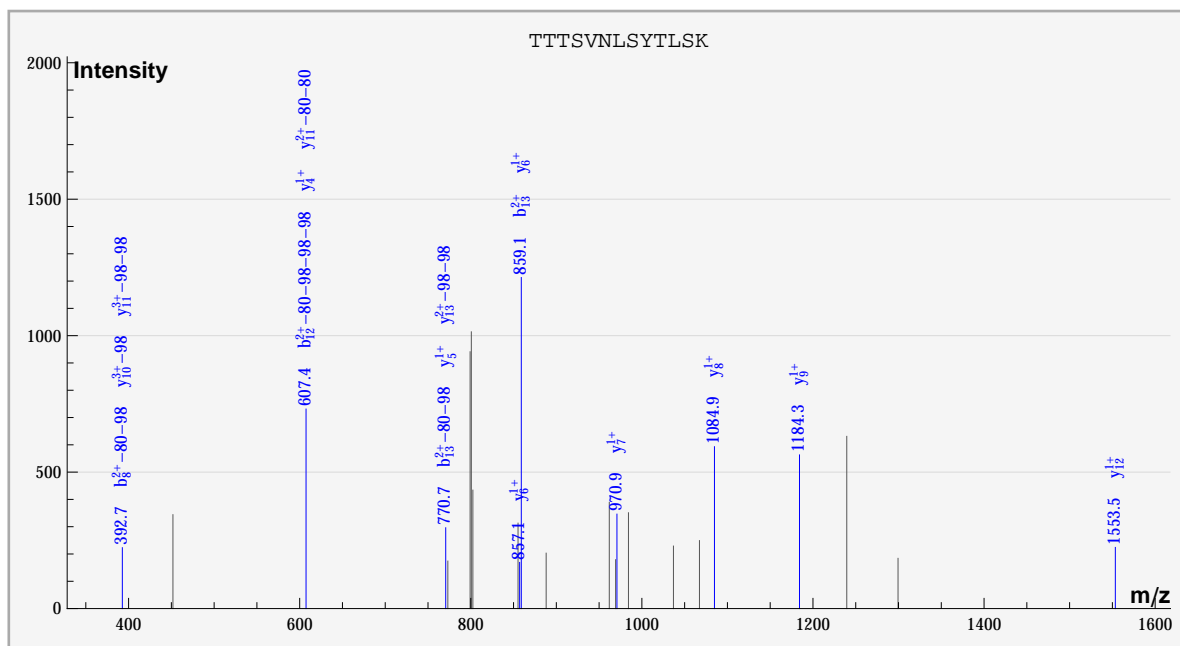
	#	b	b*	#	y	y*	P	P*
G	1							✓
P	2			6	✓			
R	3			5	✓	✓		
V	4			4		✓		
I	5			3	✓			
R	6			2				
S	7	✓		1				







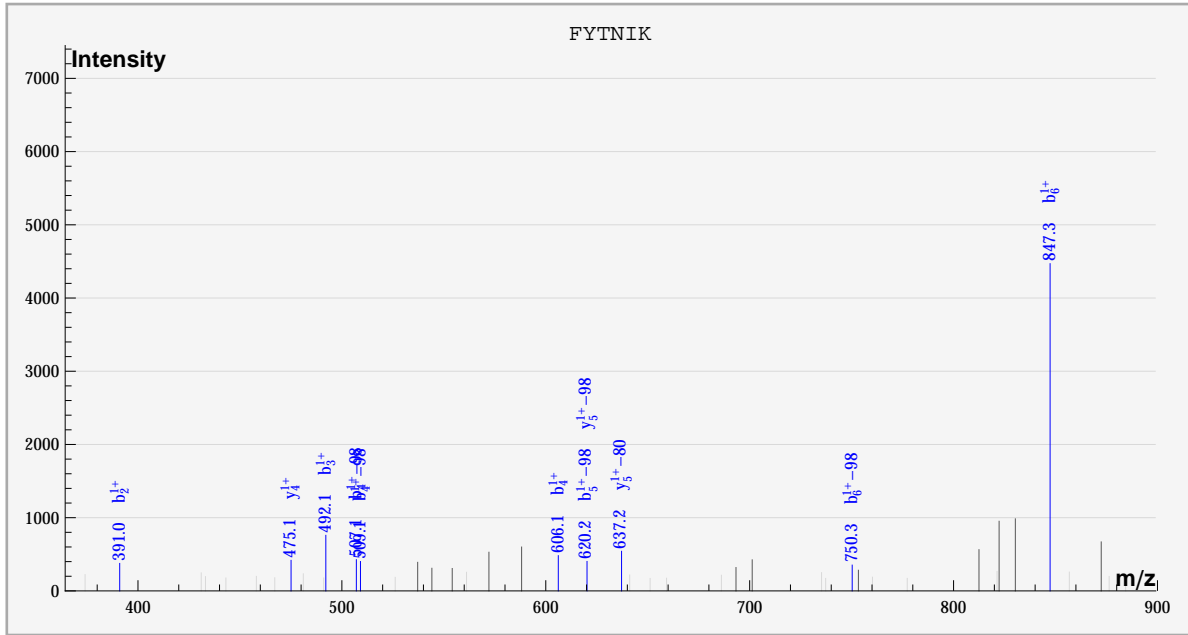
dbValid true TTTSVNLSYTL SK PHOS(4) 2. 867. 0.807447 5.22823 100. ? 48.  
 S\_Acido\_new%gi|68566694|gb|AAAY79623.1| TTTSVNLSYTL SK%:PHOS:PHOS:::PHOS::PHOS::%sample\_3%cmpd\_3068



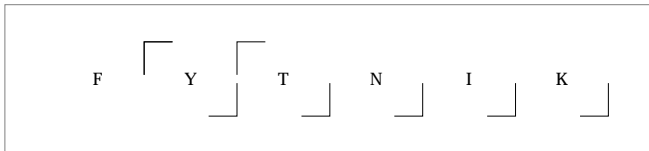
	#	b	b*	#	y	y*	P	P*
T	1							✓
T	2			12	✓			
T	3			11		✓		
S	4			10		✓		
V	5			9	✓			
N	6			8	✓			
L	7			7	✓			
S	8	✓		6	✓			
Y	9			5	✓			
T	10			4	✓			
L	11			3				
S	12	✓	✓	2				
K	13	✓	✓	1				

「 T T T S V N L S 」 Y 「 T L S 」 K 」

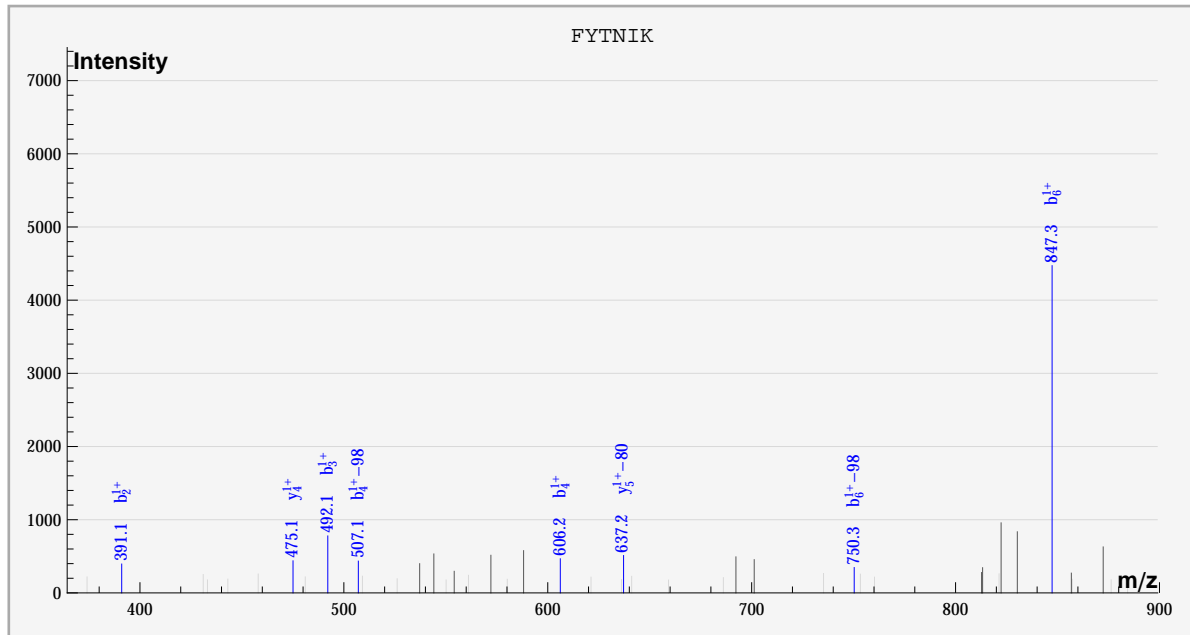
dbValid true FYTNIK PHOS(1) 1. 867. -1.61448 5.24094 100. ? 2376.  
 S\_Acido\_new%gi|68567886|gb|AAY80815.1| FYTNIK%::PHOS::::%sample\_3%compd\_867



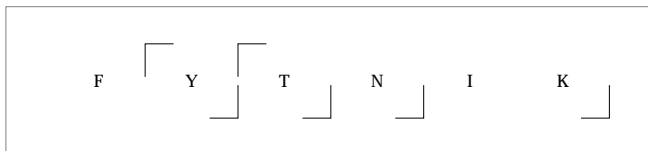
	#	b	b*	#	y	y*	P	P*
F	1							
Y	2	✓		5	✓			
T	3	✓		4	✓			
N	4	✓	✓	3				
I	5		✓	2				
K	6	✓	✓	1				



dbValid true FYTNIK PHOS(1) 1. 867. -1.61448 5.45731 100. ? 2388.  
 S\_Acido\_new%gi|68567886|gb|AAY80815.1| FYTNIK%::PHOS::::%sample\_3%compd\_877

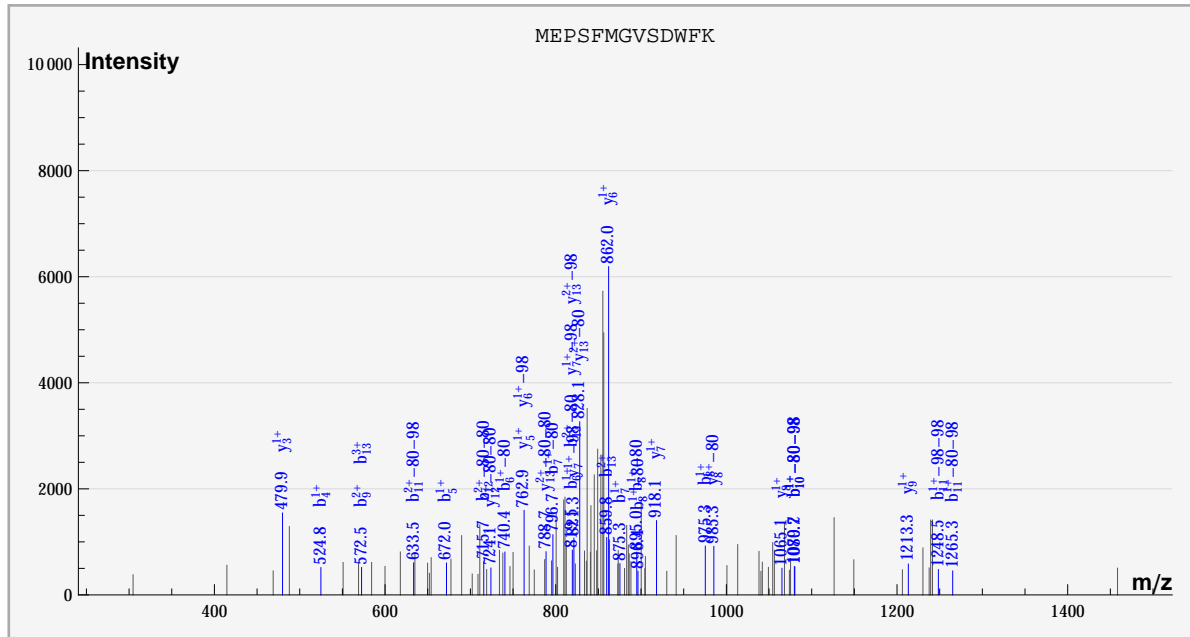


	#	b	b*	#	y	y*	P	P*
F	1							
Y	2	✓		5	✓			
T	3	✓		4	✓			
N	4	✓	✓	3				
I	5			2				
K	6	✓	✓	1				



dbValid true MEPSFMGVSDWFK Oxidation\_M(1),PHOS(2) 2. 867. 1.81046 5.83226 100. ? 3192.

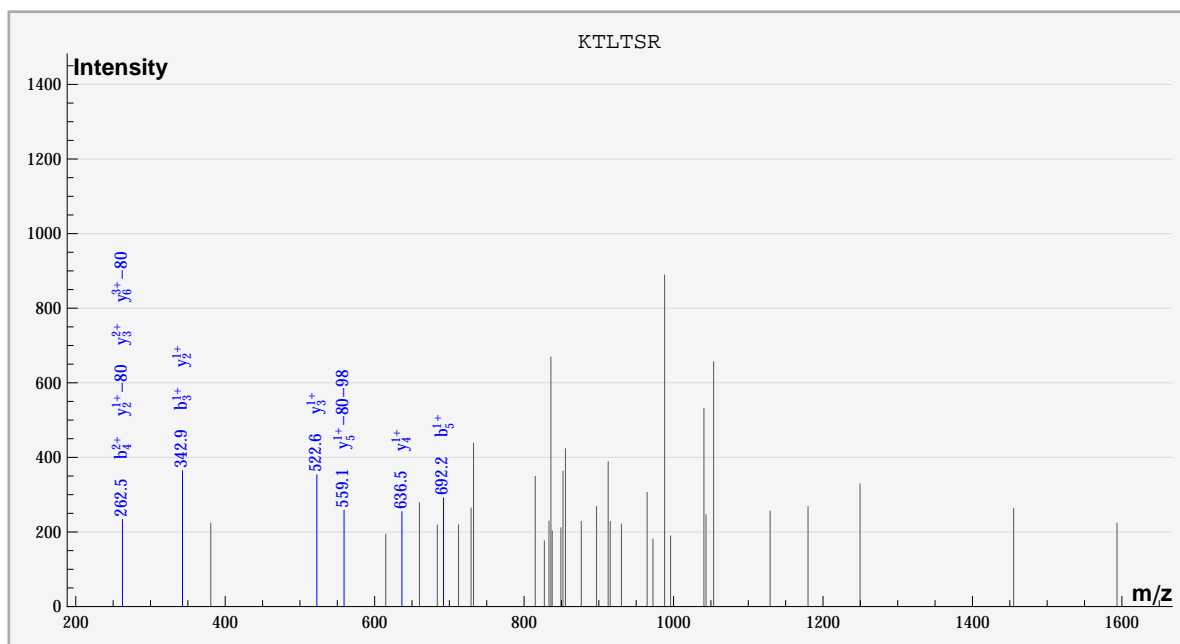
S\_Acido\_new%gi|68568238|gb|AAy81167.1| MEPSFMGVSDWFK:::PHOS::Oxidation\_M:::PHOS:::sample\_3%cmpd\_1772



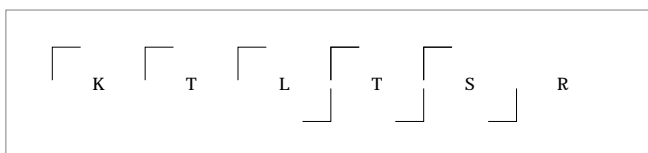
	#	b	b*	#	y	y*	P	P*
M	1							✓
E	2			12		✓		
P	3			11				
S	4	✓		10				
F	5	✓		9	✓			
M	6	✓	✓	8	✓	✓		
G	7	✓	✓	7	✓	✓		
V	8	✓	✓	6	✓	✓		
S	9	✓		5	✓			
D	10		✓	4				
W	11		✓	3	✓			
F	12		✓	2				
K	13	✓	✓	1				

[ M ] [ E ] [ P ] [ S ] [ F ] [ M ] [ G ] [ V ] [ S ] [ D ] [ W ] [ F ] [ K ]

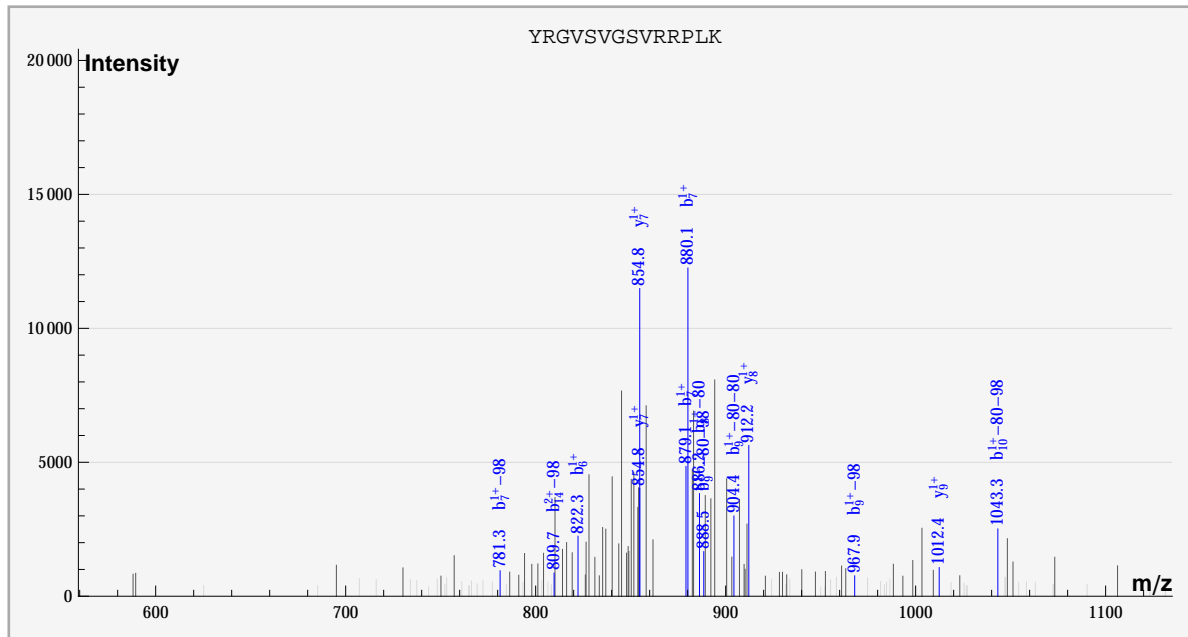
dbValid true KTLTSR PHOS(2) 1. 867. -1.64203 5.04535 100. ? 5364.  
 S\_Acido\_new%gi|68568463|gb|AAy81392.1| KTLTSR%:::PHOS:PHOS::%sample\_3%compd\_3745



	#	b	b*	#	y	y*	P	P*
K	1							✓
T	2			5		✓		
L	3	✓		4	✓			
T	4	✓		3	✓			
S	5	✓		2	✓	✓		
R	6			1				



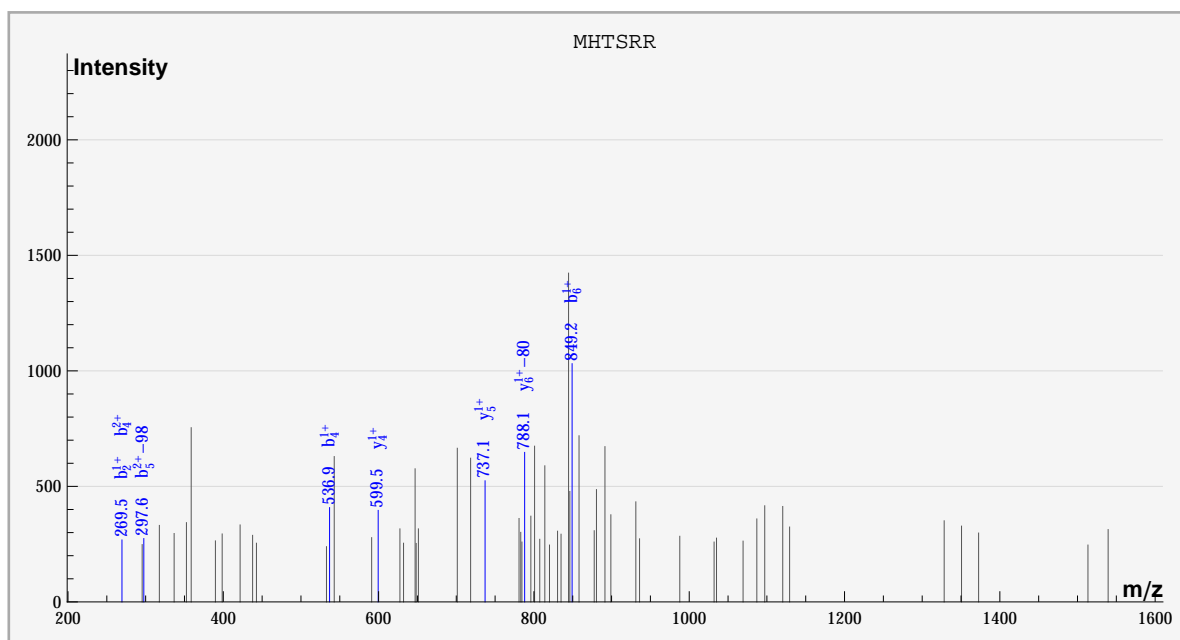
dbValid true YRGVSVGSVRRPLK PHOS(2) 2. 867.1 0.334192 5.40995 100. ? 2172.  
 S\_Acido\_new%gi|68566654|gb|AA79583.1| YRGVSVGSVRRPLK%:PHOS:::PHOS:::sample\_1%compd\_817



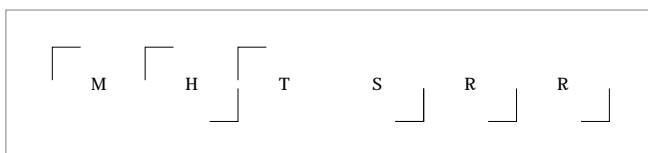
	#	b	b*	#	y	y*	P	P*
Y	1							
R	2			13				
G	3			12				
V	4			11				
S	5			10				
V	6	✓		9	✓			
G	7	✓	✓	8	✓			
S	8		✓	7	✓			
V	9		✓	6				
R	10		✓	5				
R	11			4				
P	12			3				
L	13			2				
K	14	✓		1				

Y R G V S [V] [G] [S] V R R P L K

dbValid true MHTSRR PHOS(1) 1. 868. -0.634515 5.18789 100. ? 2148.  
 S\_Acido\_new%gi|68567755|gb|AAY80684.1| MHTSRR%:::PHOS:::sample\_3%compd\_821

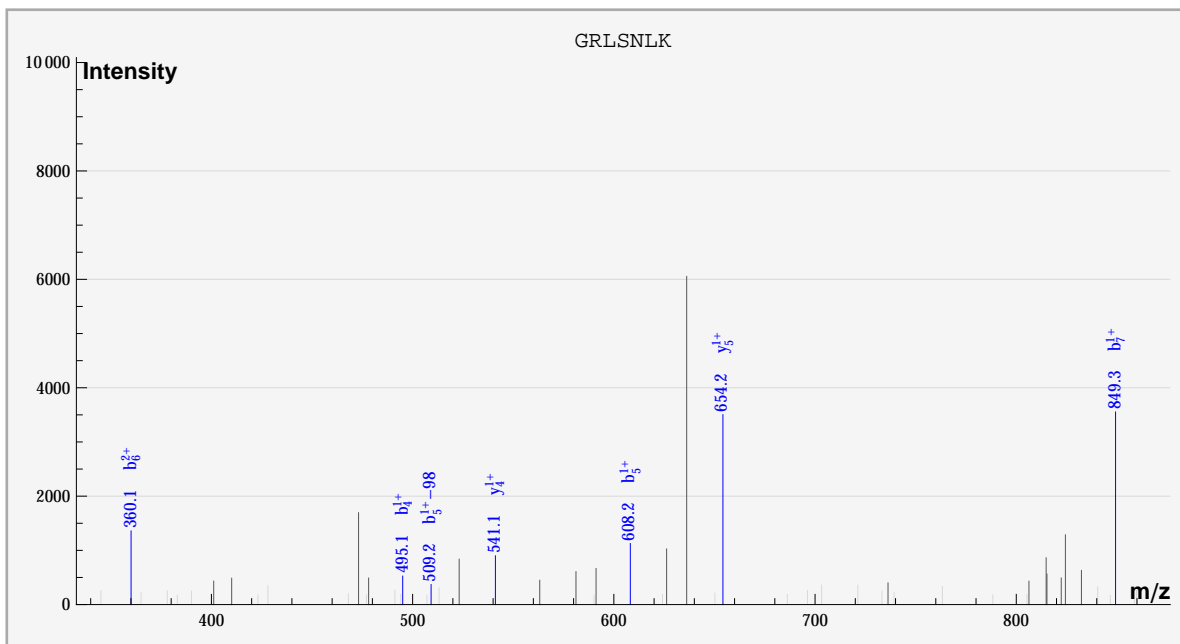


	#	b	b*	#	y	y*	P	P*
M	1							✓
H	2	✓		5	✓			
T	3			4	✓			
S	4	✓		3				
R	5		✓	2				
R	6	✓		1				

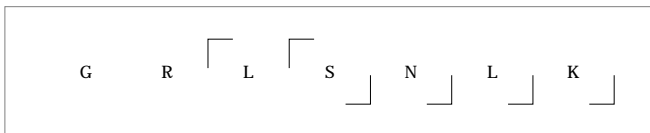




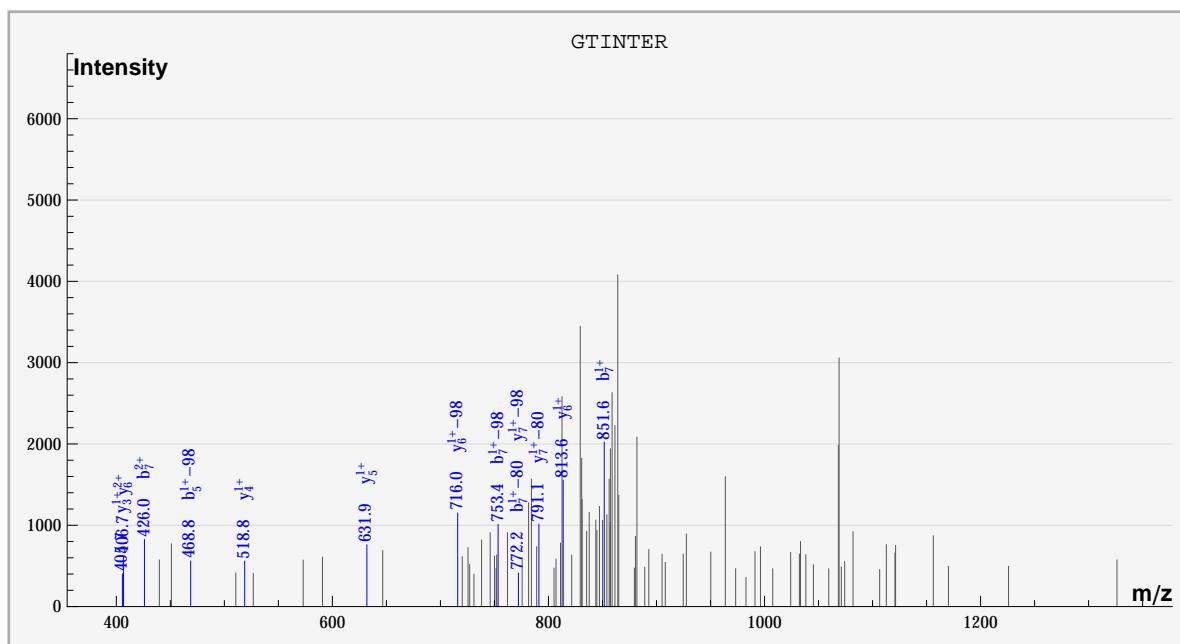
dbValid true GRLSNLK PHOS(1) 1. 869. -1.55524 5.09003 100. ? 2592.  
 S\_Acido\_new%gi|68567344|gb|AAY80273.1| GRLSNLK%:::PHOS:::%sample\_3%compd\_1052



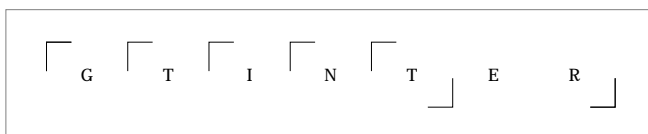
	#	b	b*	#	y	y*	P	P*
G	1							
R	2			6				
L	3			5	✓			
S	4	✓		4	✓			
N	5	✓	✓	3				
L	6	✓		2				
K	7	✓		1				



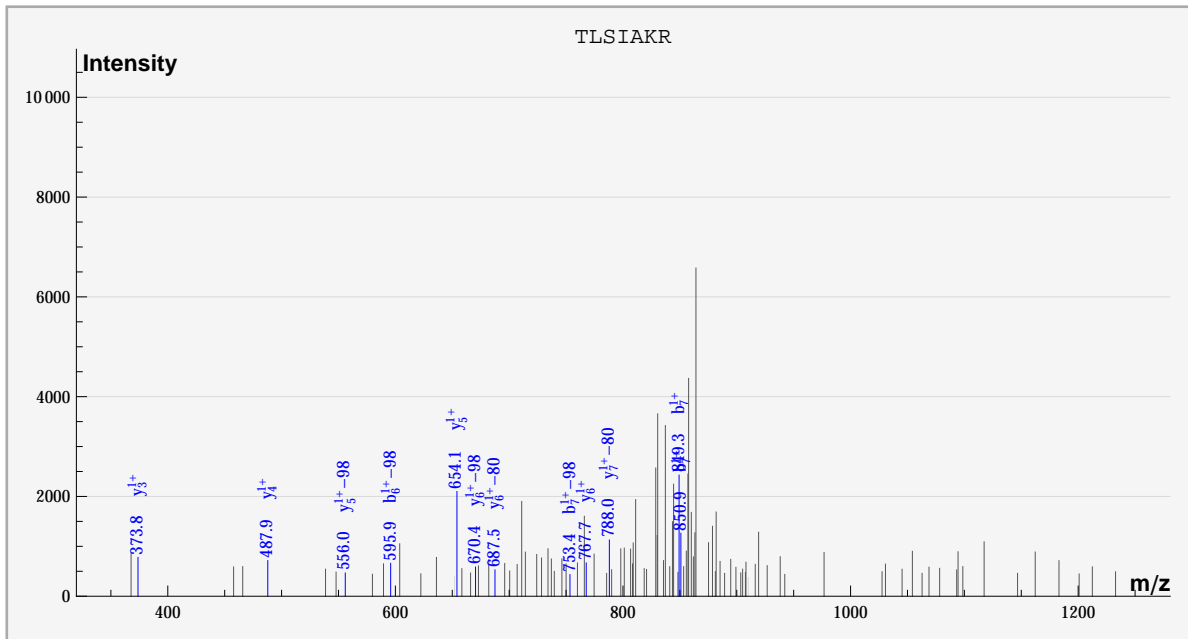
dbValid true GTINTER PHOS(1) 1. 869. 1.37167 5.08641 100. ? 2778.  
 S\_Acido\_new%gi|68567004|gb|AAY79933.1| GTINTER%::PHOS:::sample\_3%compd\_1398



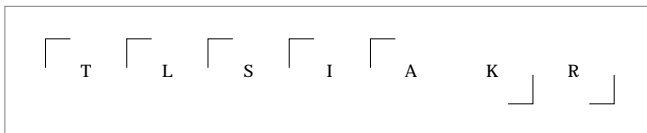
	#	b	b*	#	y	y*	P	P*
G	1							✓
T	2			6	✓	✓		
I	3			5	✓			
N	4			4	✓			
T	5	✓		3	✓			
E	6			2				
R	7	✓	✓	1				



dbValid true TLSIAKR PHOS(1) 1. 869. -0.534835 5.20359 100. ? 2952.  
 S\_Acido\_new%gi|68568003|gb|AAY80932.1| TLSIAKR%:::PHOS:::sample\_3%compd\_1554

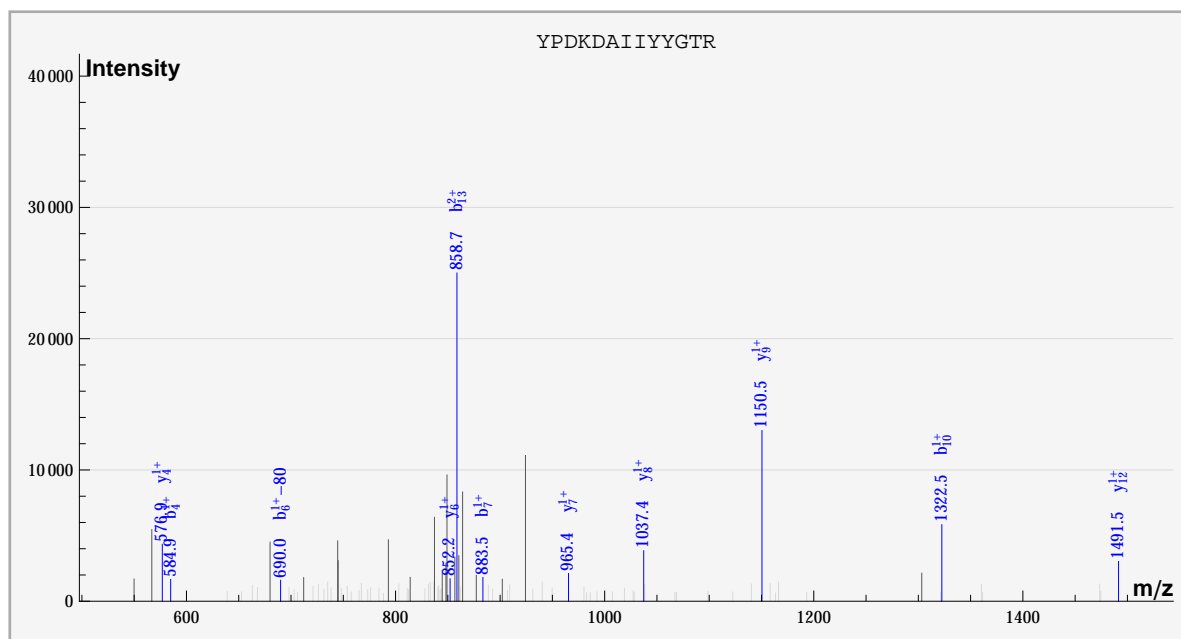


	#	b	b*	#	y	y*	P	P*
T	1							✓
L	2			6	✓	✓		
S	3			5	✓	✓		
I	4			4	✓			
A	5			3	✓			
K	6		✓	2				
R	7	✓	✓	1				



dbValid true YPKDAIIYYGTR PHOS(2) 2. 869. -1.1376 6.06646 100. ? 3462.

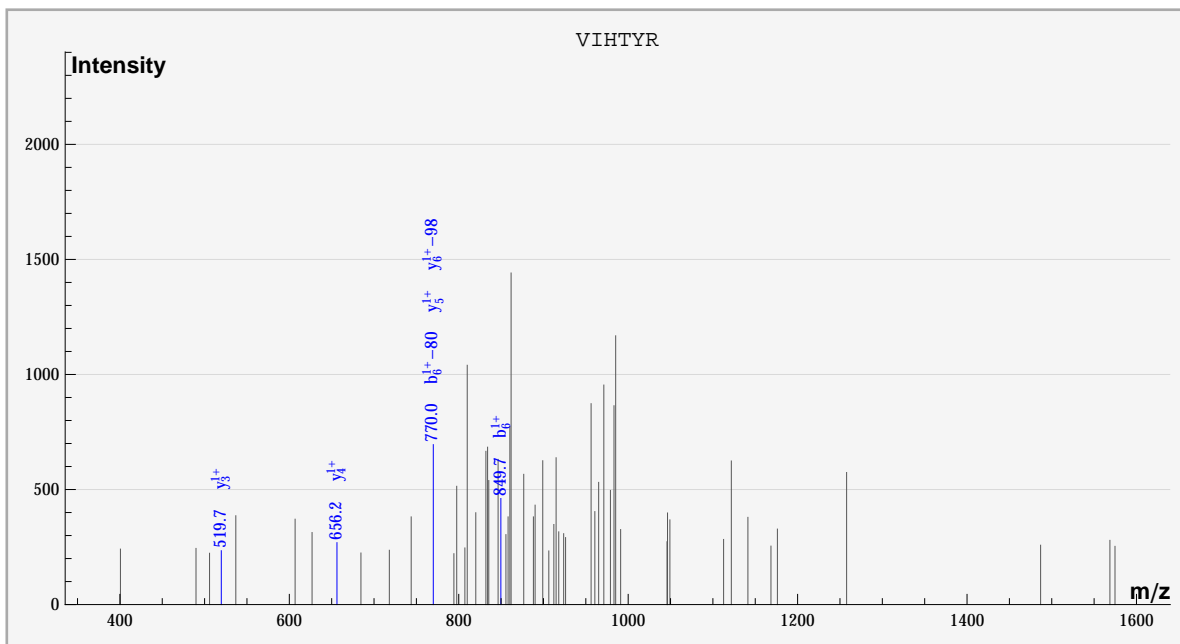
S\_Acido\_new%gi|68568512|gb|AA81441.1| YPKDAIIYYGTR%:PHOS:::PHOS::%sample\_3%compd\_2018



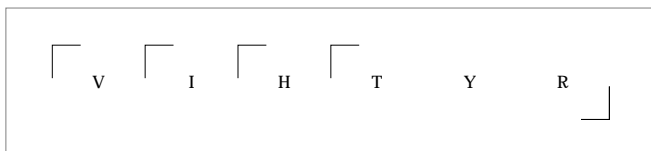
	#	b	b*	#	y	y*	P	P*
Y	1							
P	2			12	✓			
D	3			11				
K	4	✓		10				
D	5			9	✓			
A	6		✓	8	✓			
I	7	✓		7	✓			
I	8			6	✓			
Y	9			5				
Y	10	✓		4	✓			
G	11			3				
T	12			2				
R	13	✓		1				

Y [ P D K ] D [ A ] I ] I Y [ Y ] G T R ]

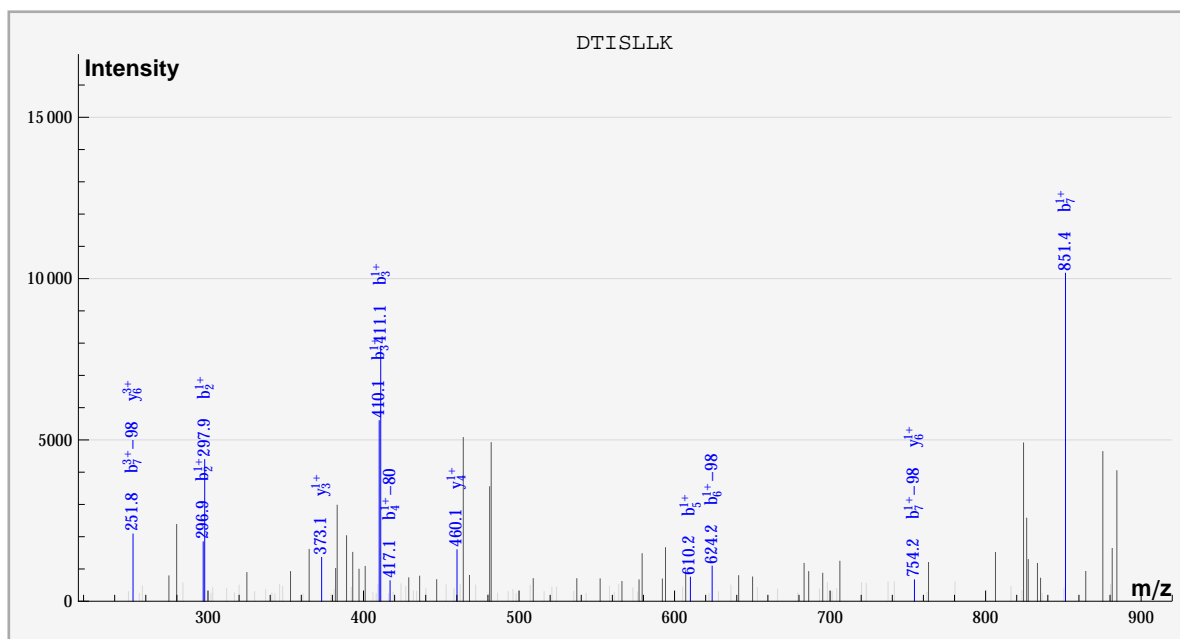
dbValid true VIHTYR PHOS(1) 1. 869. -0.592345 5.1402 100. ? 4662.  
 S\_Acido\_new%gi|68566736|gb|AAY79665.1| VIHTYR%::::PHOS::%sample\_3%compd\_3113



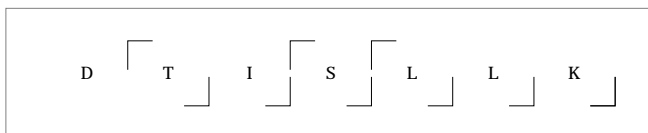
	#	b	b*	#	y	y*	P	P*
V	1							✓
I	2			5	✓			
H	3			4	✓			
T	4			3	✓			
Y	5			2				
R	6	✓	✓	1				



dbValid true DTISLLK PHOS(1) 1. 871. -1.56206 5.11166 100. ? 1860.  
 S\_Acido\_new%gi|68566552|gb|AAY79481.1| DTISLLK%::PHOS:::sample\_0%compd\_504

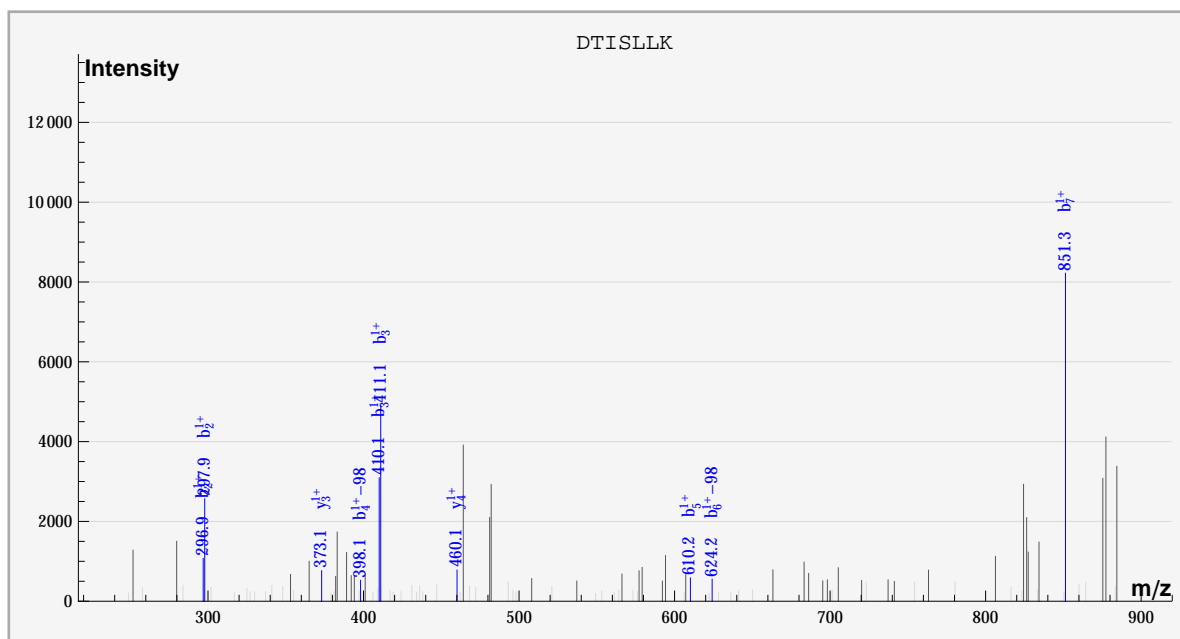


	#	b	b*	#	y	y*	P	P*
D	1							
T	2	✓		6	✓			
I	3	✓		5				
S	4		✓	4	✓			
L	5	✓		3	✓			
L	6		✓	2				
K	7	✓	✓	1				

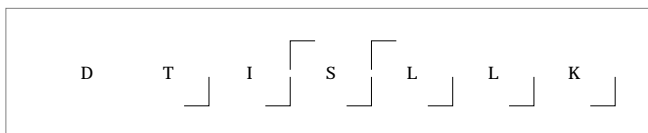




dbValid true DTISLLK PHOS(1) 1. 871. -1.56206 5.46162 100. ? 1944.  
 S\_Acido\_new%gi68566552|gb|AAY79481.1| DTISLLK%::PHOS:.....%sample\_0%compd\_575

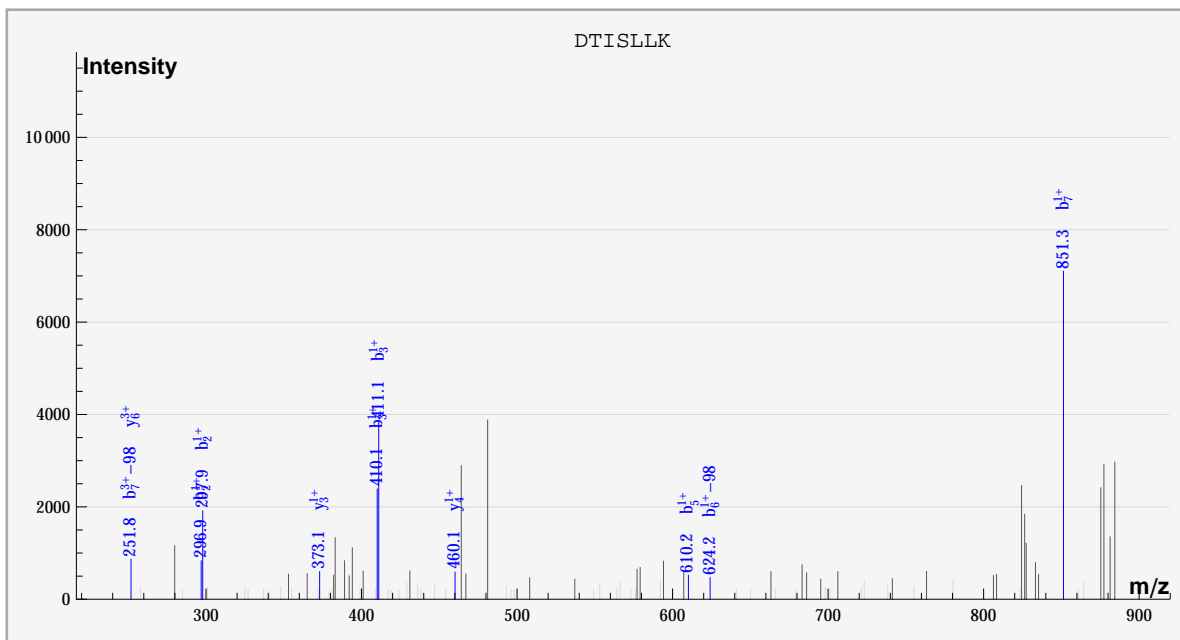


	#	b	b*	#	y	y*	P	P*
D	1							
T	2	✓		6				
I	3	✓		5				
S	4		✓	4	✓			
L	5	✓		3	✓			
L	6		✓	2				
K	7	✓		1				

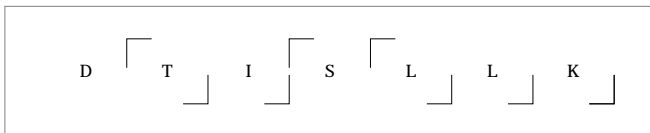




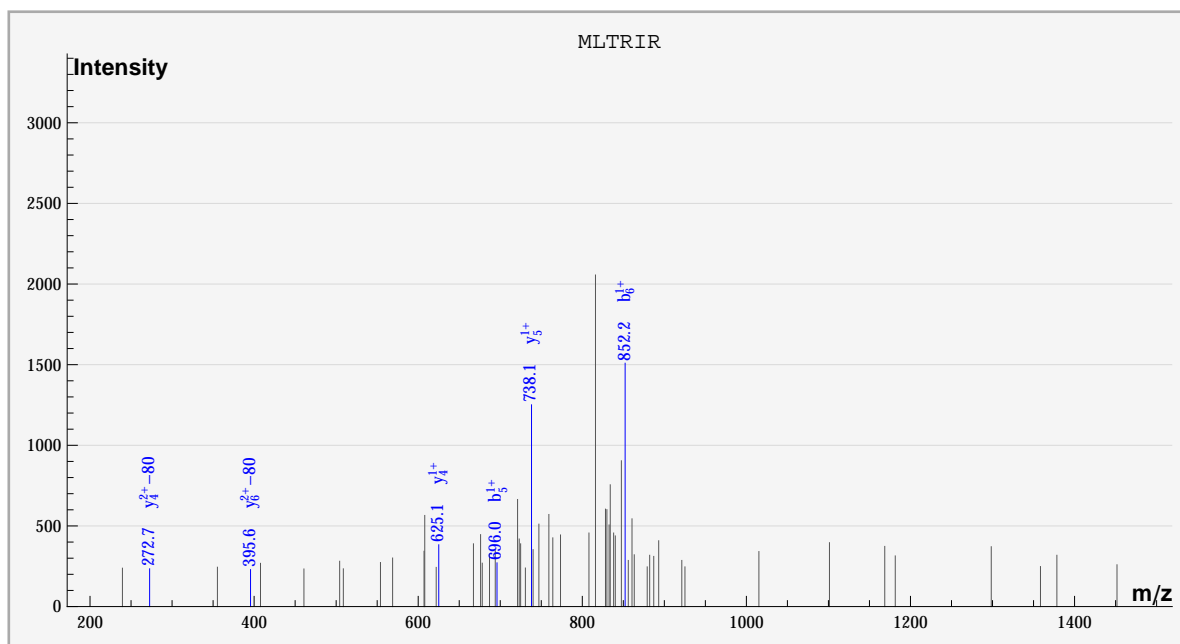
dbValid true DTISLLK PHOS(1) 1. 871. -1.56206 5.11082 100. ? 1980.  
 S\_Acido\_new%gi|68566552|gb|AAY79481.1| DTISLLK%::PHOS:::sample\_0%compd\_606



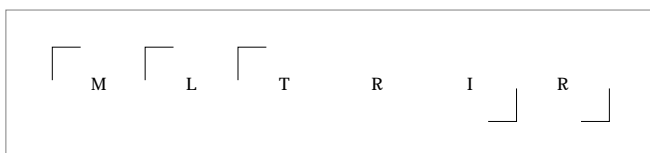
	#	b	b*	#	y	y*	P	P*
D	1							
T	2	✓		6	✓			
I	3	✓		5				
S	4			4	✓			
L	5	✓		3	✓			
L	6		✓	2				
K	7	✓	✓	1				



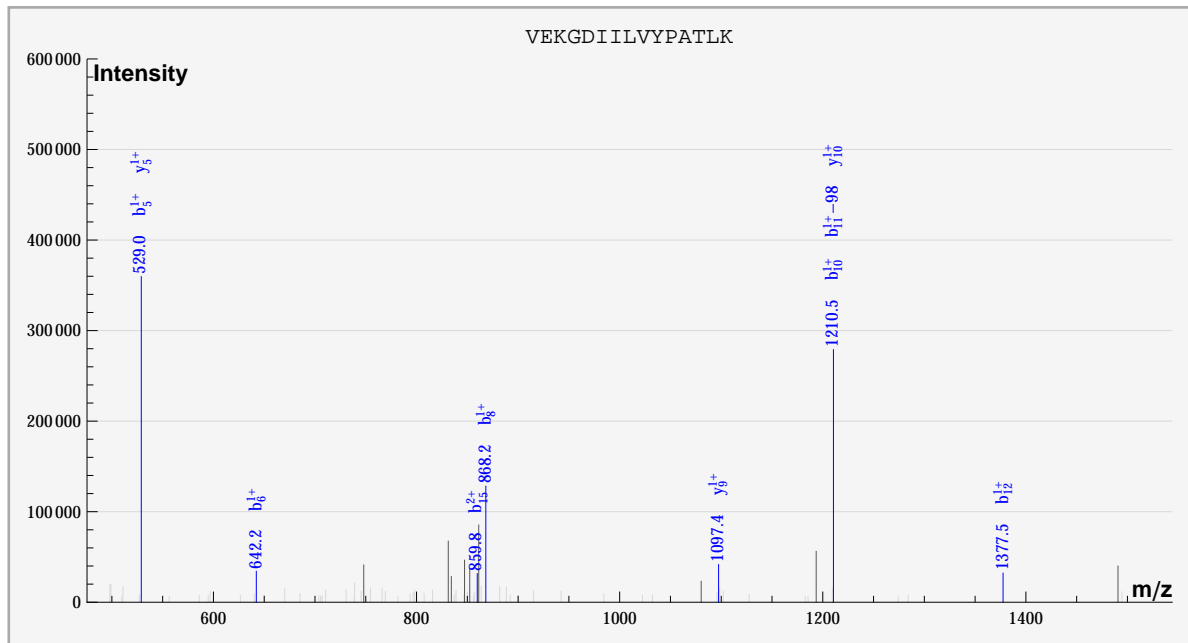
dbValid true MLTRIR PHOS(1) 1. 871. -1.55734 5.84895 100. ? 2154.  
 S\_Acido\_new%gi|68567926|gb|AAY80855.1| MLTRIR%:::PHOS:::%sample\_2%cmpd\_819



	#	b	b*	#	y	y*	P	P*
M	1							✓
L	2			5	✓			
T	3			4	✓	✓		
R	4			3				
I	5	✓		2				
R	6	✓		1				



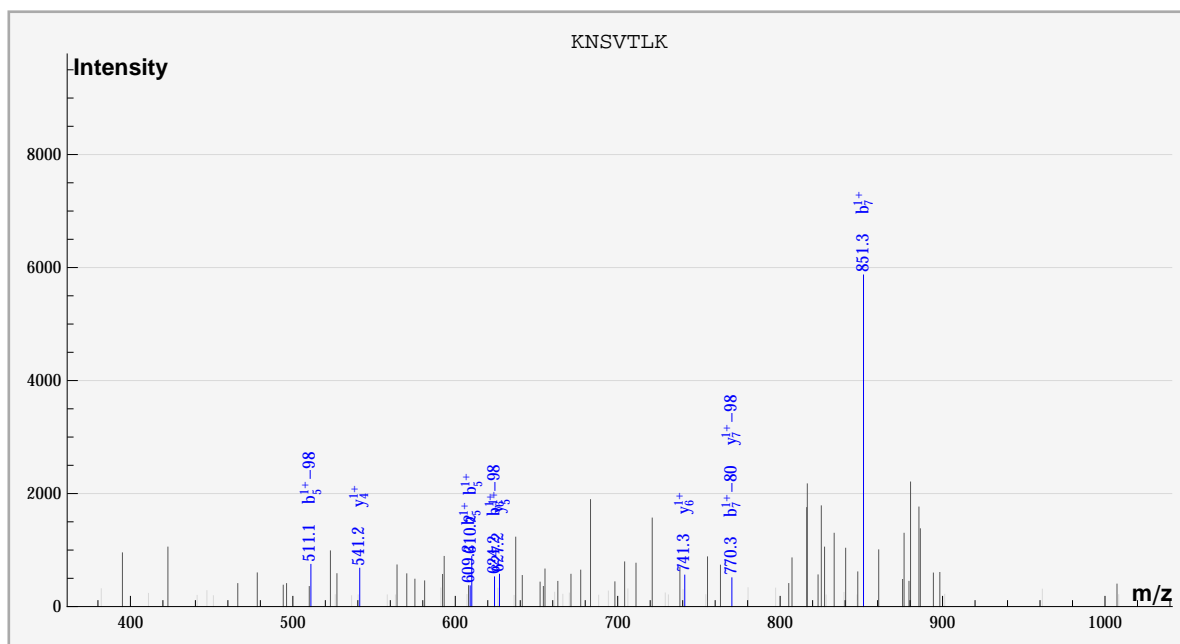
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 S\_Acido\_new%gi|68567731|gb|AA80660.1| VEKGDILVYPATLK%:::PHOS:::sample\_1%compd\_1503



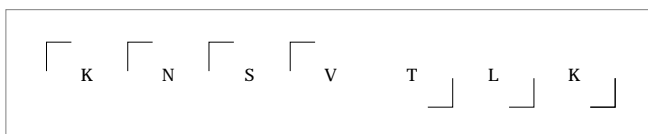
	#	b	b*	#	y	y*	P	P*
V	1							
E	2			14				
K	3			13				
G	4			12				
D	5	✓		11				
I	6	✓		10	✓			
I	7			9	✓			
L	8	✓		8				
V	9			7				
Y	10	✓		6				
P	11		✓	5	✓			
A	12	✓		4				
T	13			3				
L	14			2				
K	15	✓		1				

V E K G D I I L V Y P A T L K

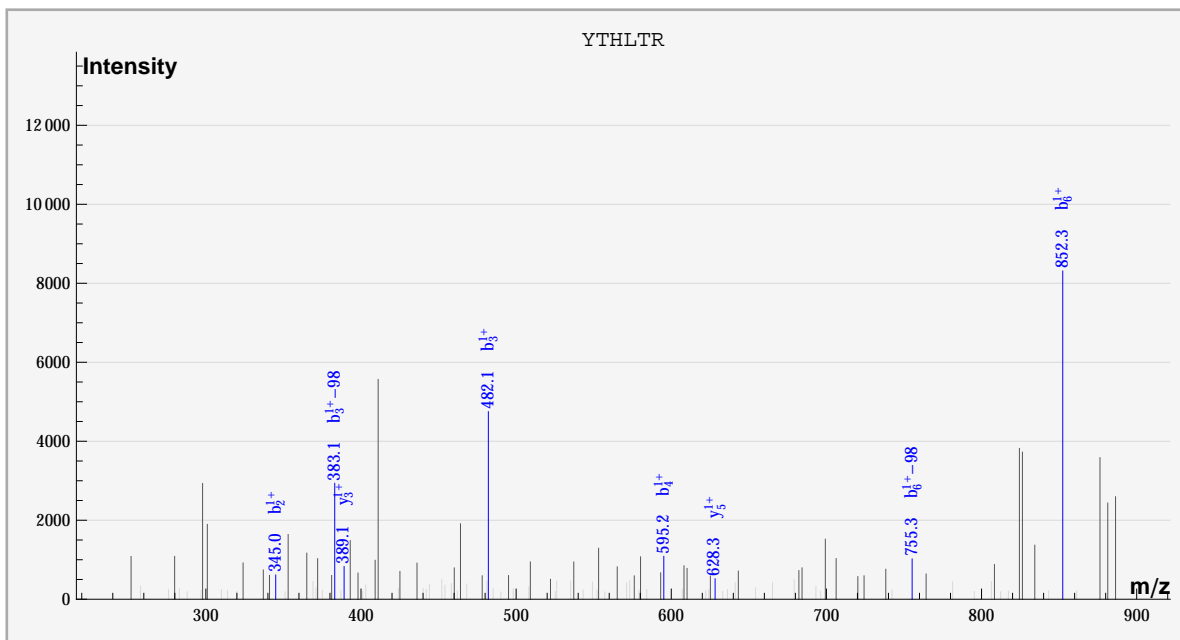
dbValid true KNSVTLK PHOS(1) 1. 871. -1.55082 5.33771 100. ? 2838.  
 S\_Acido\_new%gi|68567236|gb|AAY80165.1| KNSVTLK%::::PHOS:::sample\_0%compd\_1323



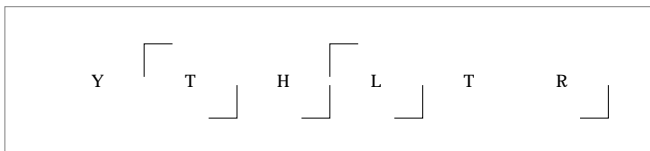
	#	b	b*	#	y	y*	P	P*
K	1							✓
N	2			6	✓			
S	3			5	✓			
V	4			4	✓			
T	5	✓	✓	3				
L	6		✓	2				
K	7	✓	✓	1				



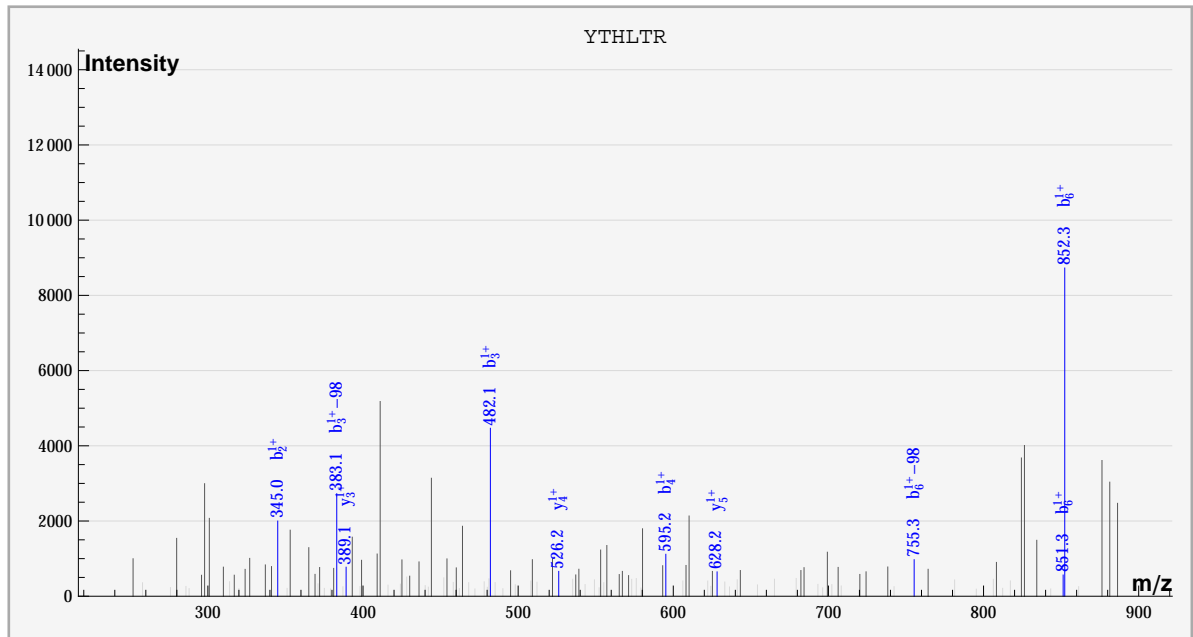
dbValid true YTHLTR PHOS(1) 1. 872. -1.61308 5.11447 100. ? 1980.  
 S\_Acido\_new%gi|68567895|gb|AAY80824.1| YTHLTR%:PHOS:::::sample\_0%compd\_607



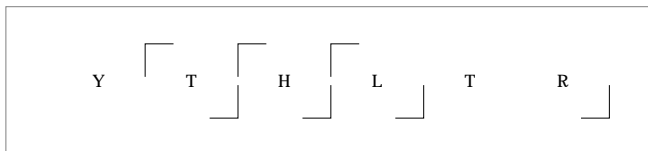
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Y	1							
T	2	✓		5	✓			
H	3	✓	✓	4				
L	4	✓		3	✓			
T	5			2				
R	6	✓	✓	1				



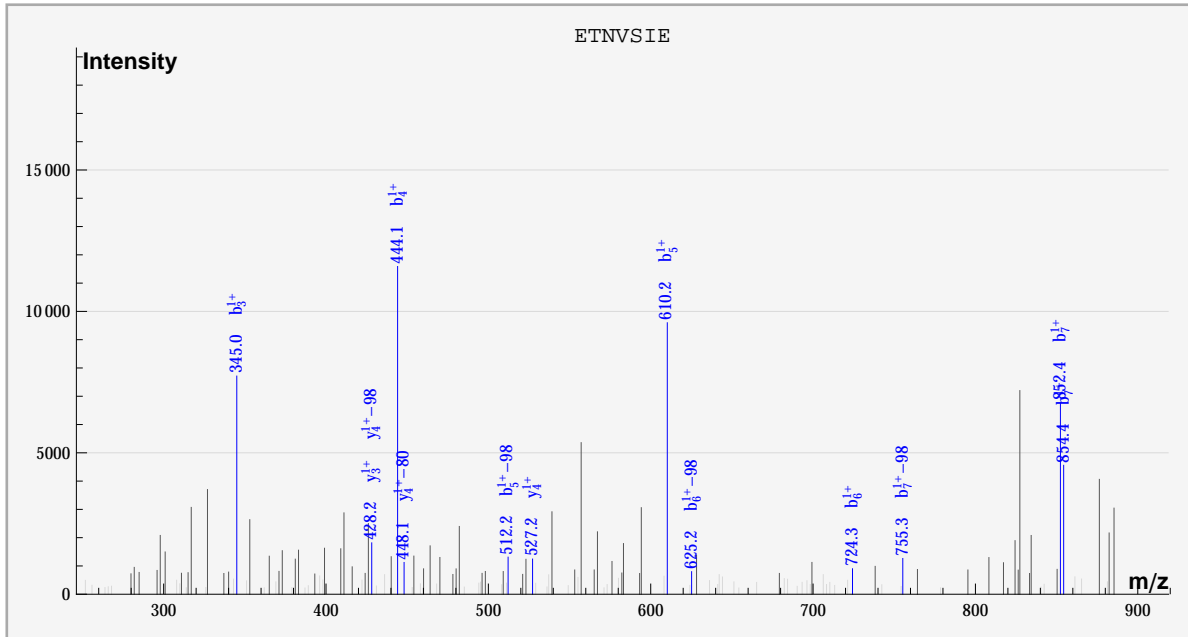
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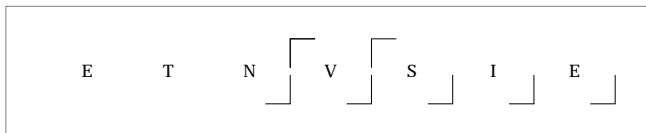
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Y	1							
T	2	✓		5	✓			
H	3	✓	✓	4	✓			
L	4	✓		3	✓			
T	5			2				
R	6	✓	✓	1				



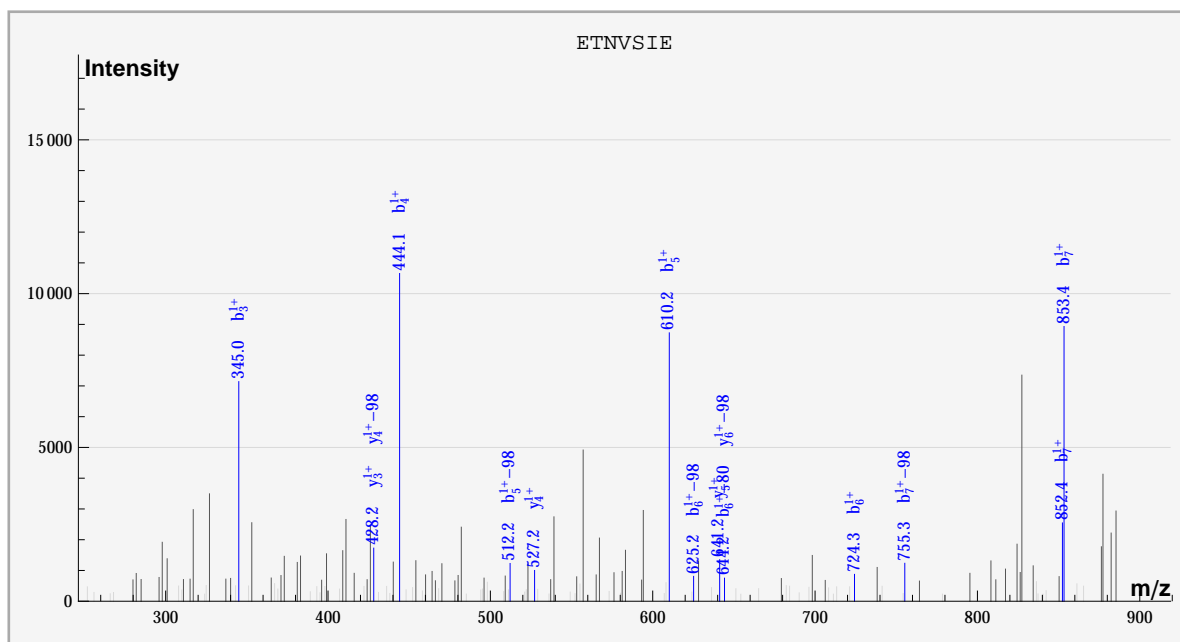
dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.27625 100. ? 2112.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%:::PHOS:::sample\_0%compd\_718



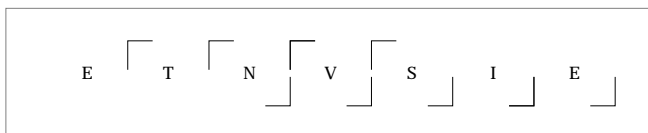
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5				
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓	✓	2				
E	7	✓	✓	1				



dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.23258 100. ? 2124.  
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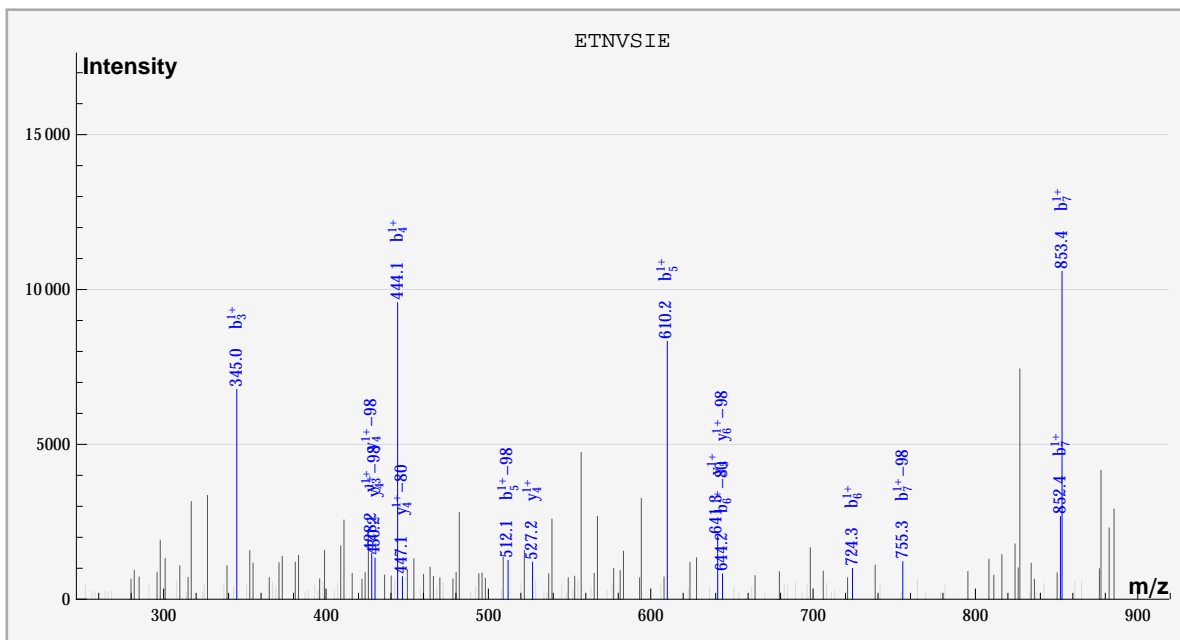


	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6		✓		
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓	✓	2				
E	7	✓	✓	1				

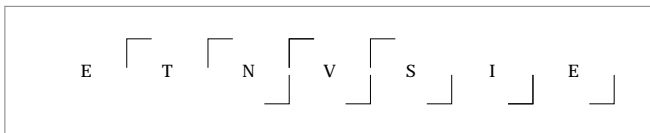




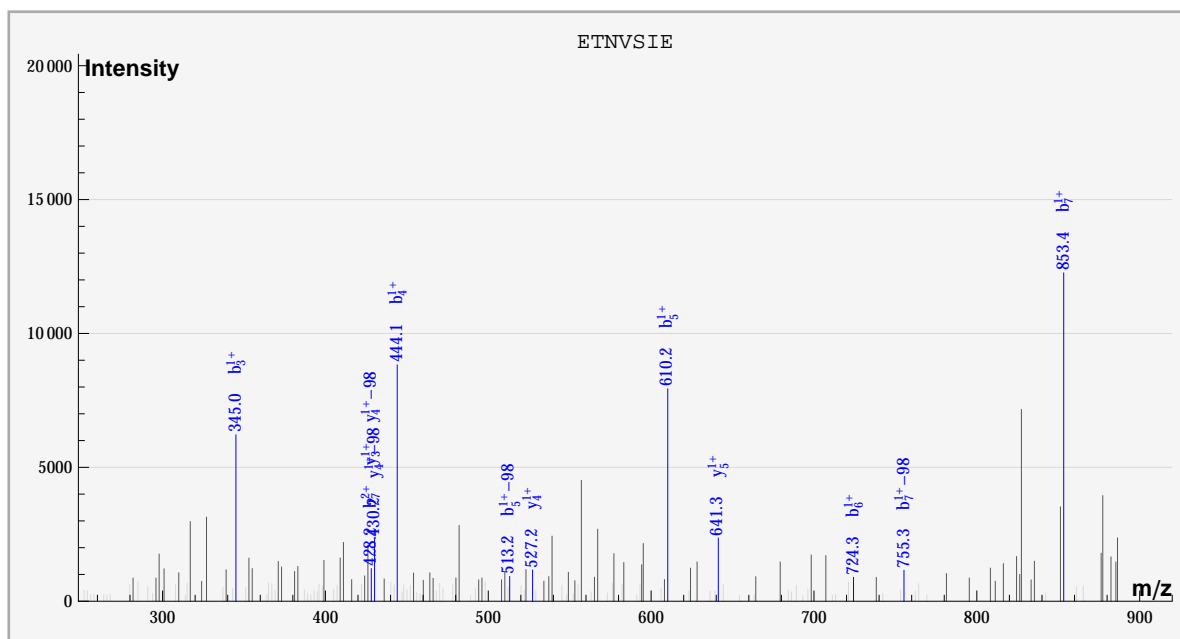
dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.49156 100. ? 2136.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_738



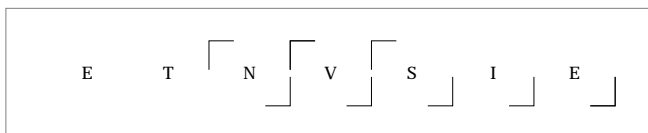
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6		✓		
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓	✓	2				
E	7	✓	✓	1				



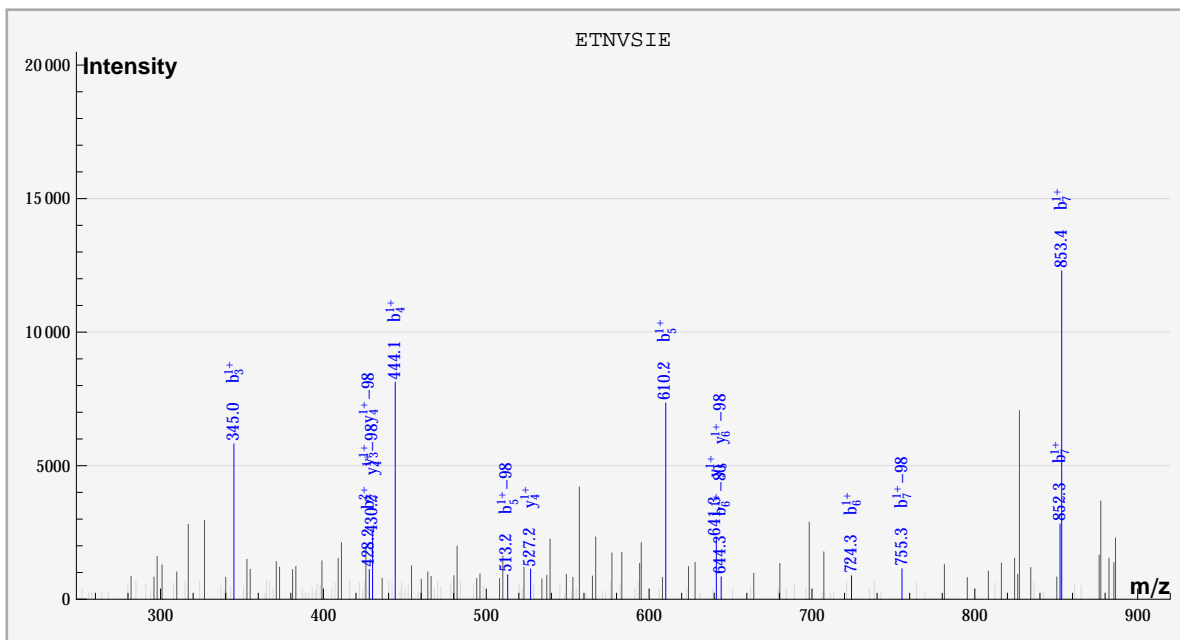
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 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%:::PHOS:::sample\_0%compd\_748



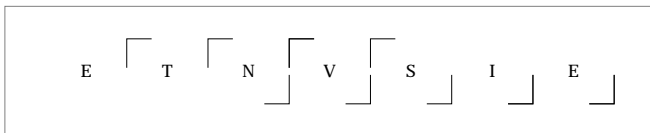
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



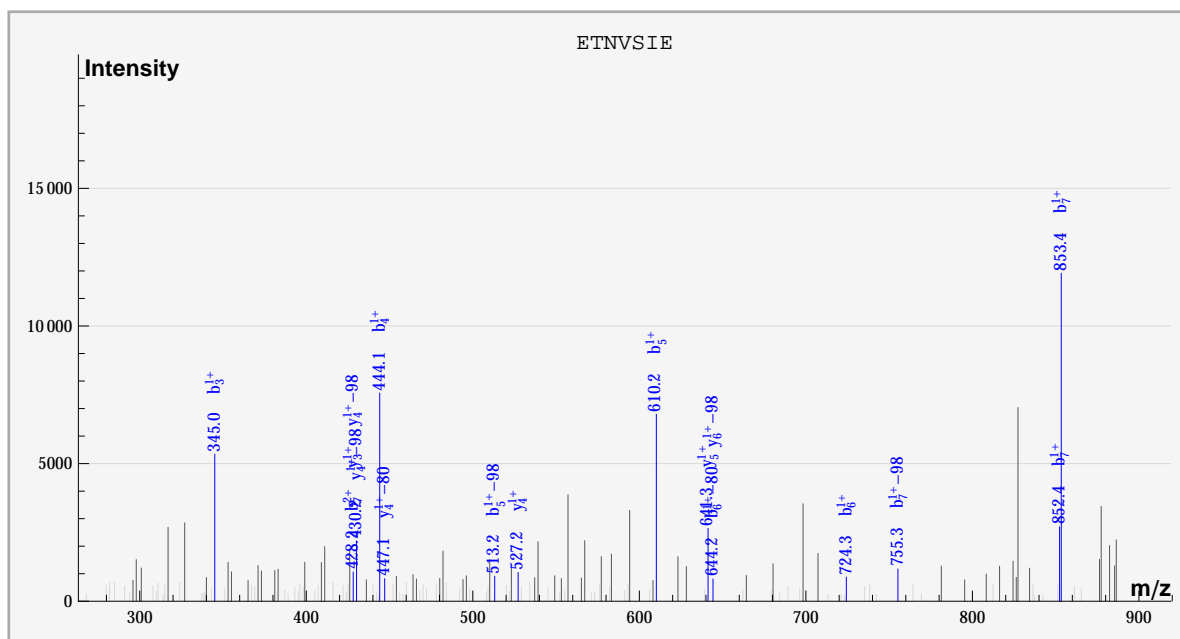
dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.41947 100. ? 2160.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%:::PHOS:::sample\_0%compd\_758



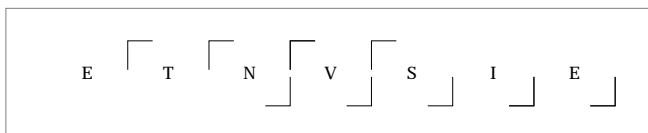
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6		✓		
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓	✓	2				
E	7	✓	✓	1				



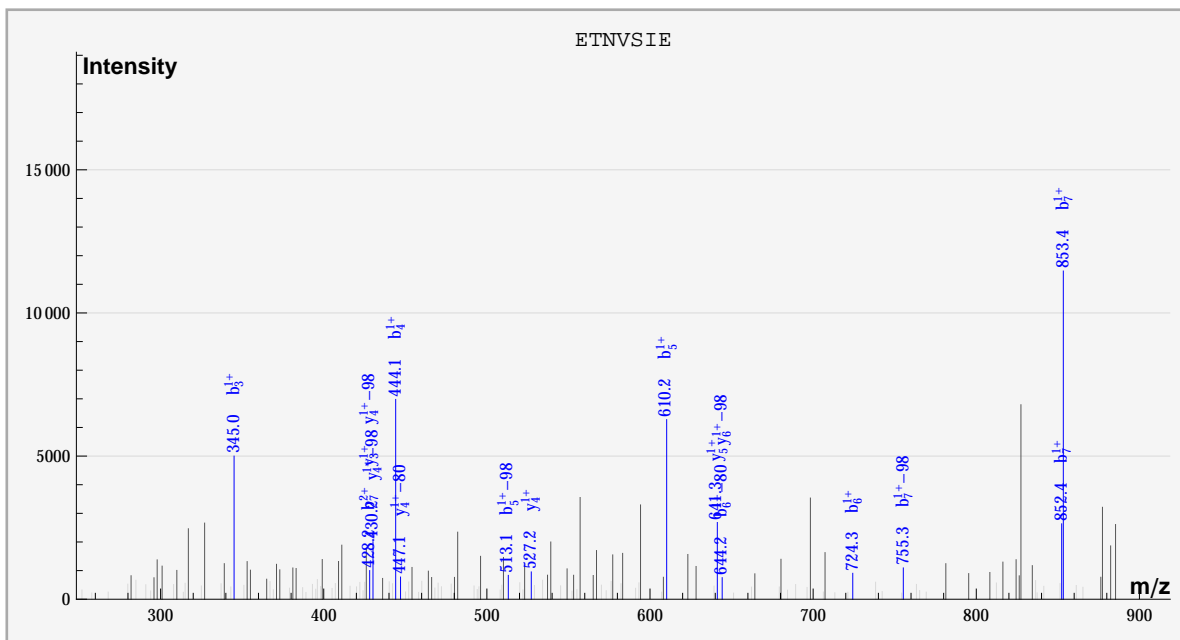
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 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%:::PHOS:::sample\_0%compd\_768



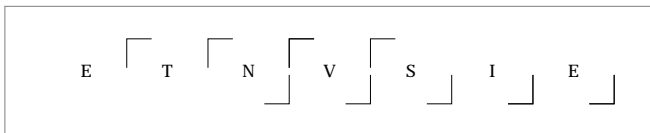
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6		✓		
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓	✓	2				
E	7	✓	✓	1				



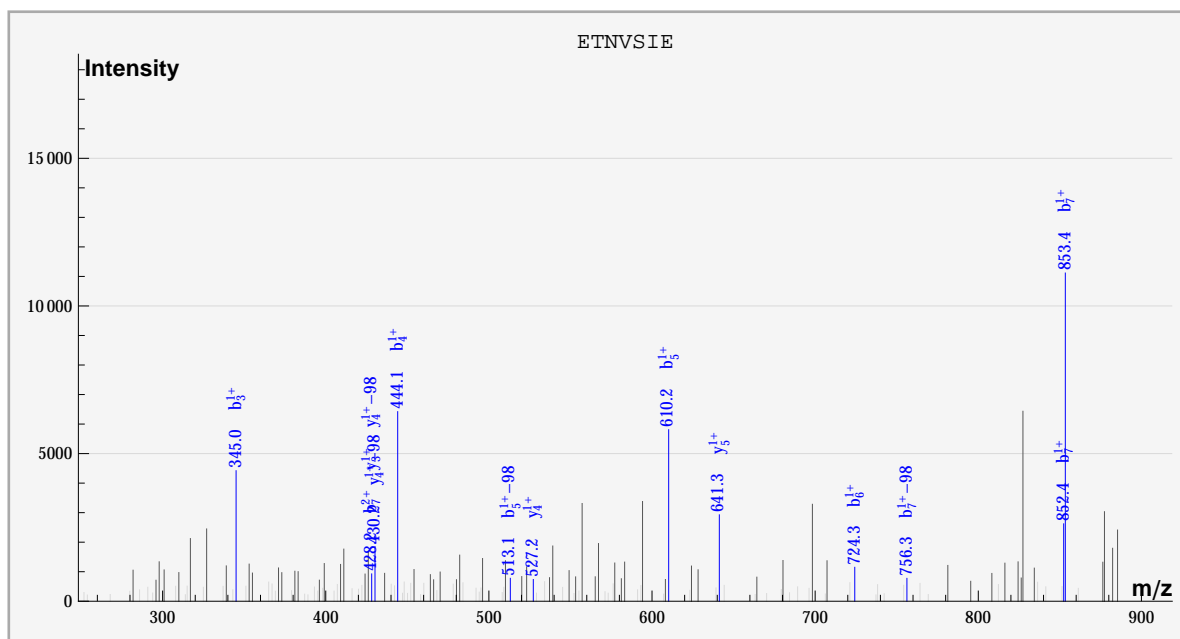
dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.52658 100. ? 2184.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%:::PHOS:::sample\_0%compd\_779



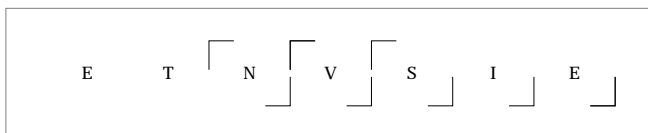
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6		✓		
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓	✓	2				
E	7	✓	✓	1				



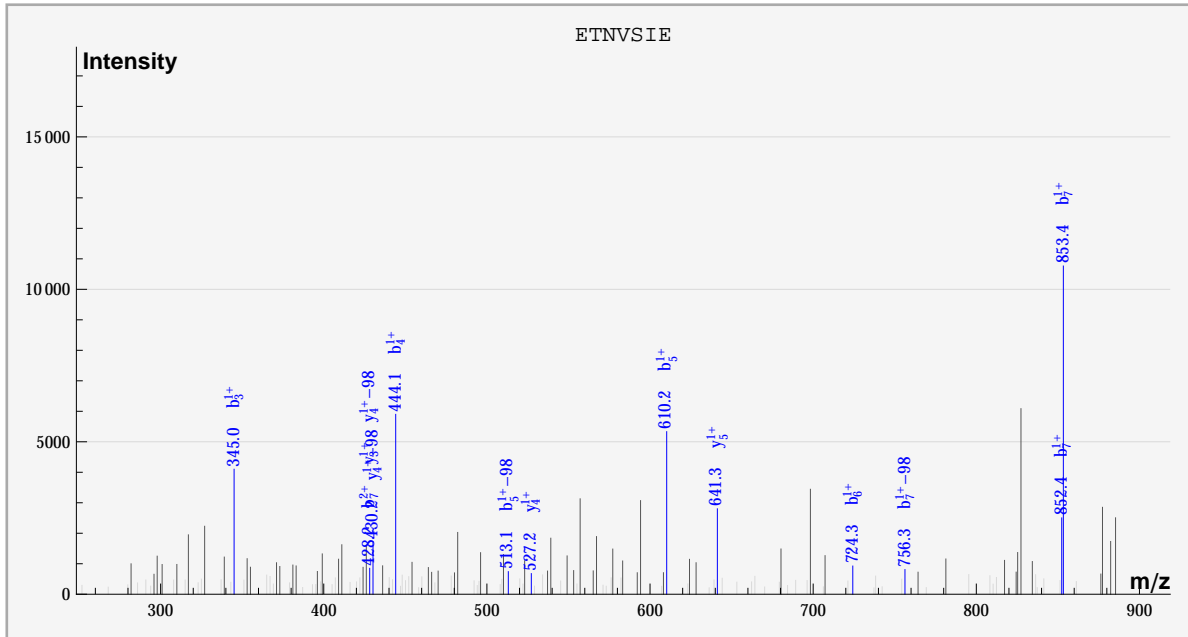
dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.36572 100. ? 2196.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%:::PHOS:::sample\_0%compd\_790



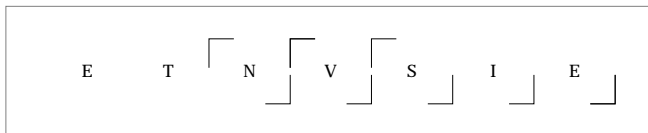
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



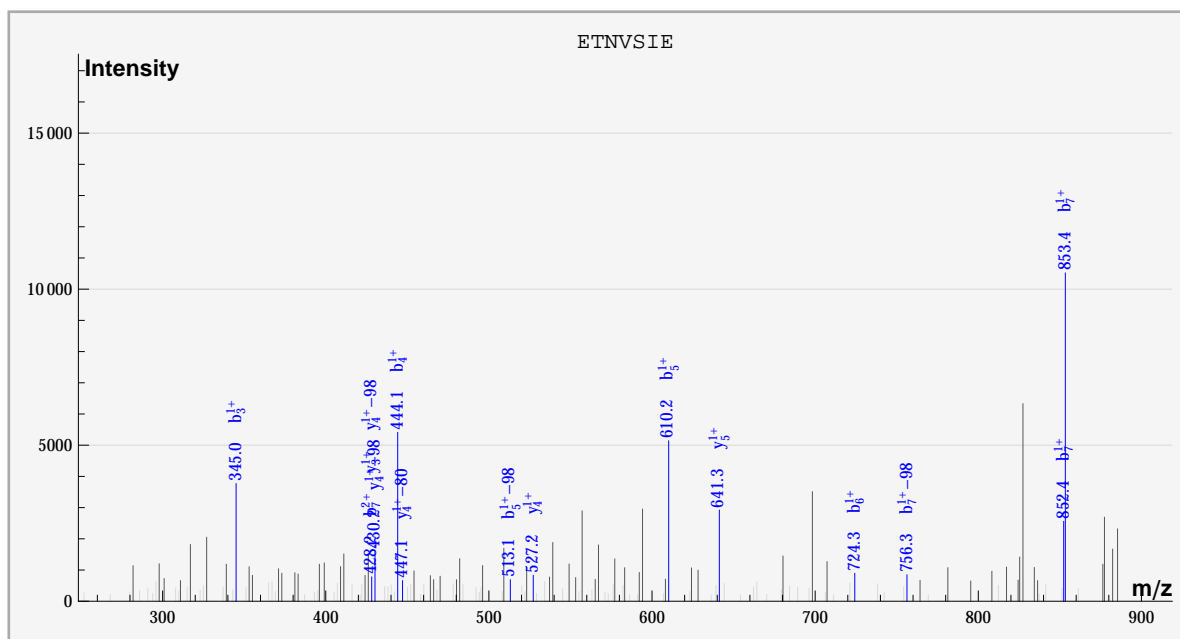
dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.19556 100. ? 2208.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%:::PHOS:::sample\_0%compd\_800



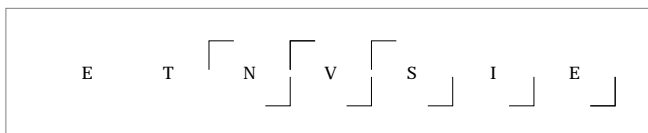
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.69605 100. ? 2220.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_811

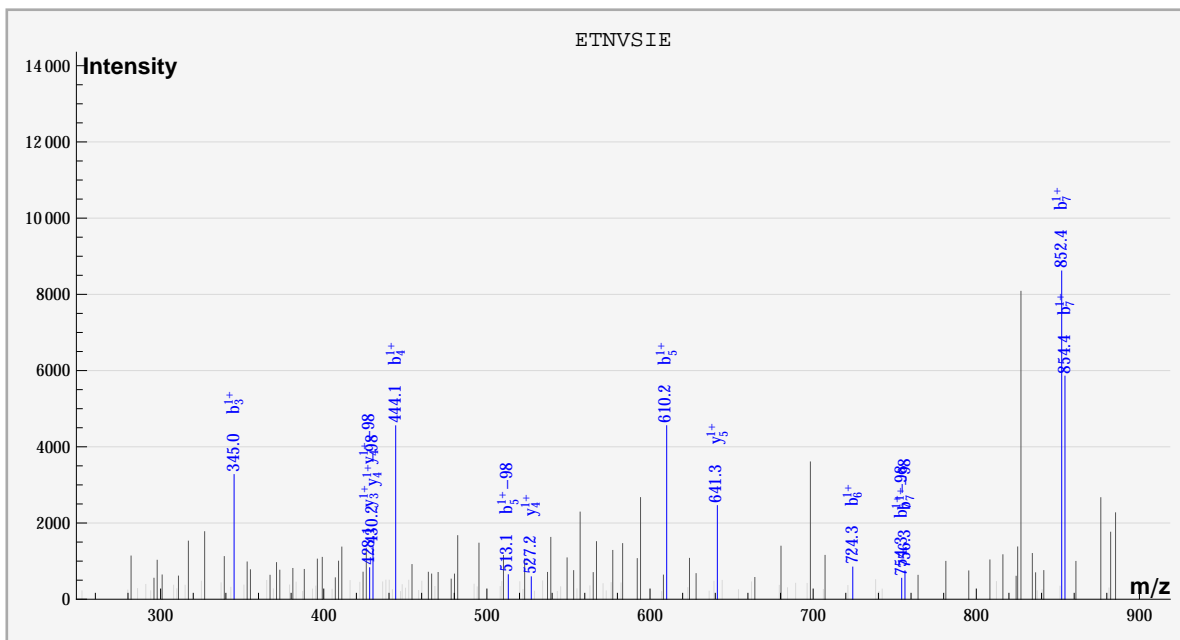


	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				

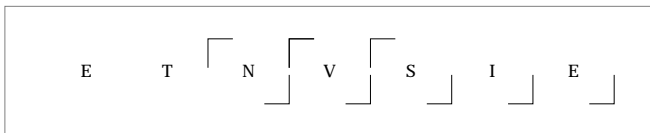




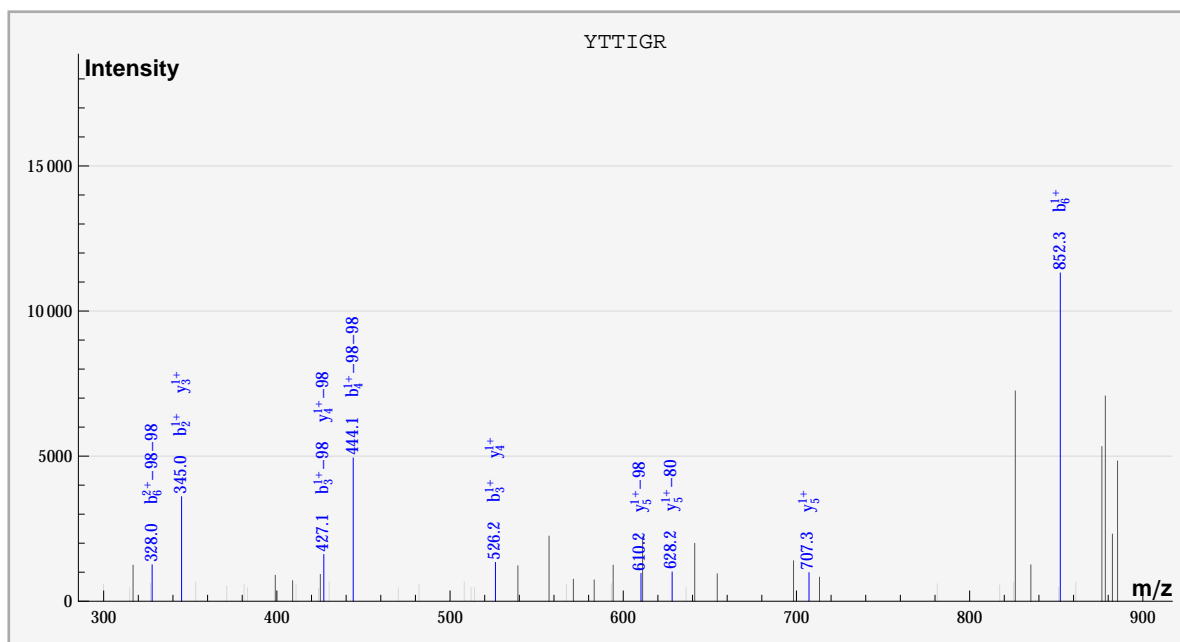
dbValid true ETNVSIE PHOS(1) 1. 872. -0.655555 5.2888 100. ? 2244.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_831



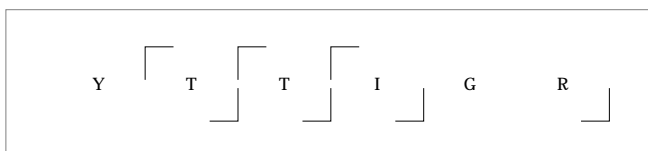
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



dbValid true YTTIGR PHOS(2) 1. 872. -1.68423 5.8289 100. ? 2352.  
 S\_Acido\_new%gi|68567813|gb|AAy80742.1| YTTIGR%::PHOS:PHOS:::%sample\_0%compd\_923

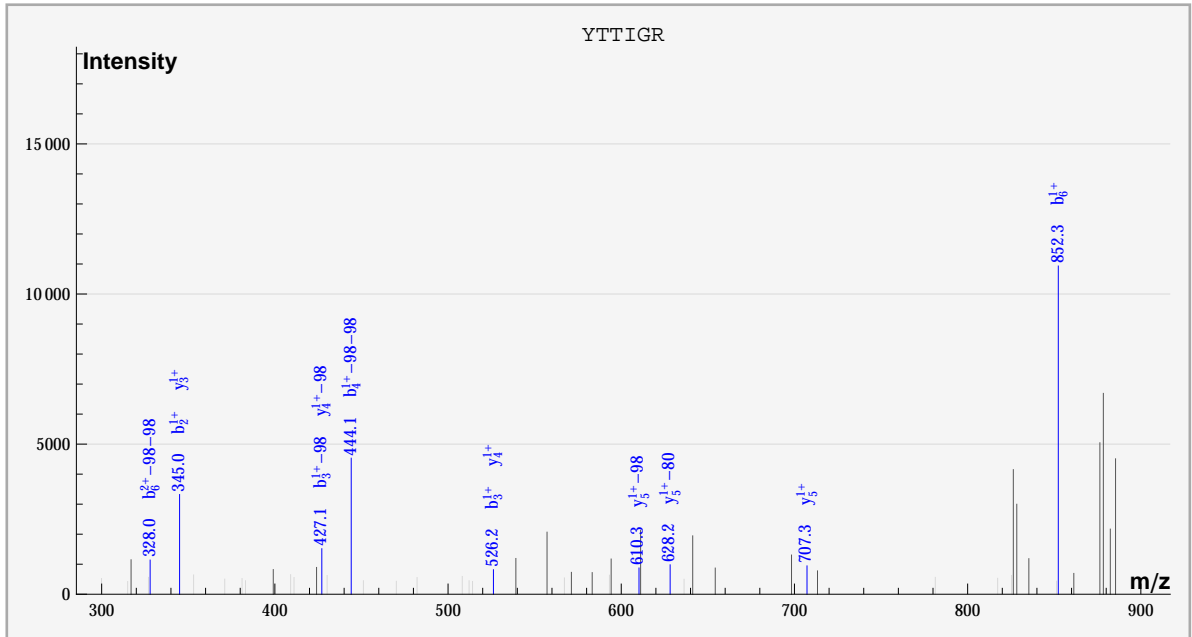


	#	b	b*	#	y	y*	P	P*
Y	1							
T	2	✓		5	✓	✓		
T	3	✓	✓	4	✓	✓		
I	4		✓	3	✓			
G	5			2				
R	6	✓	✓	1				

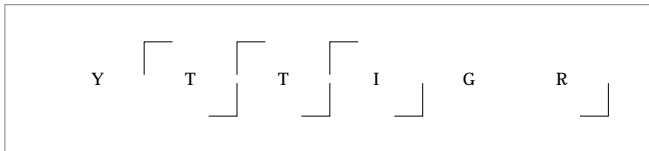


dbValid true YTTIGR PHOS(2) 1. 872. -1.68423 5.72067 100. ? 2364.

S\_Acido\_new%gi|68567813|gb|AAy80742.1| YTTIGR%::PHOS:PHOS:::%sample\_0%compd\_933

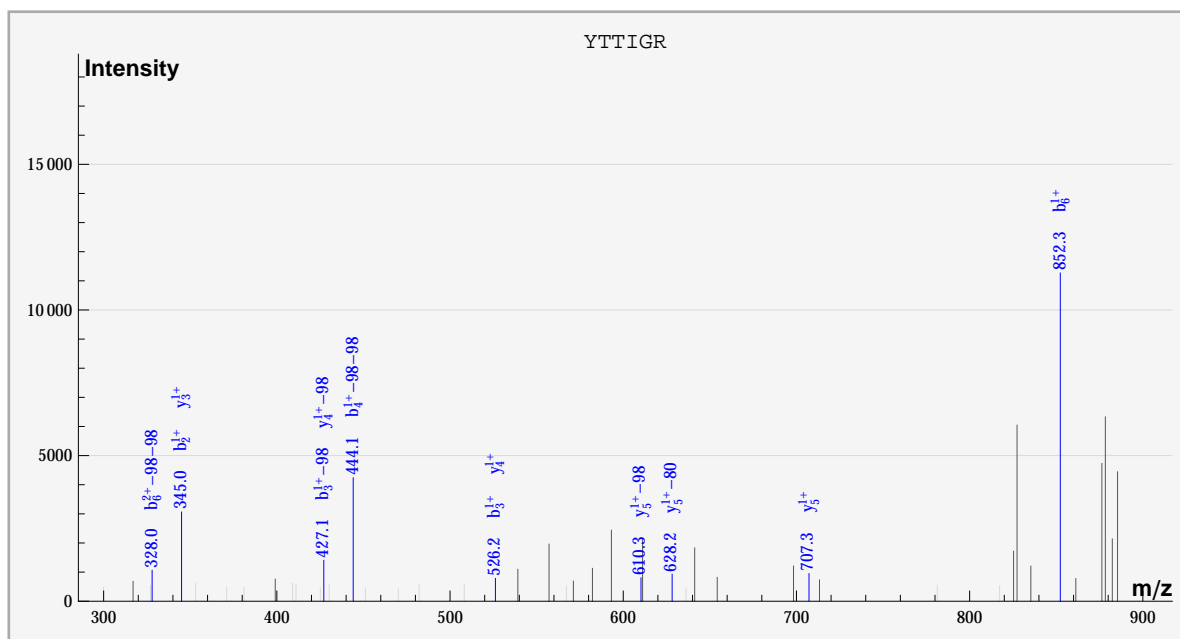


	#	b	b*	#	y	y*	P	P*
Y	1							
T	2	✓		5	✓	✓		
T	3	✓	✓	4	✓	✓		
I	4		✓	3	✓			
G	5			2				
R	6	✓	✓	1				

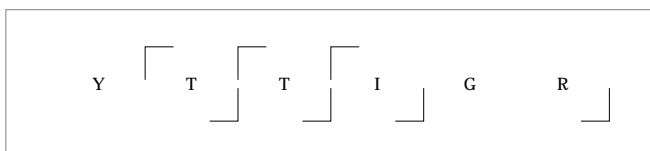


dbValid true YTTIGR PHOS(2) 1. 872. -1.68423 6.07686 100. ? 2376.

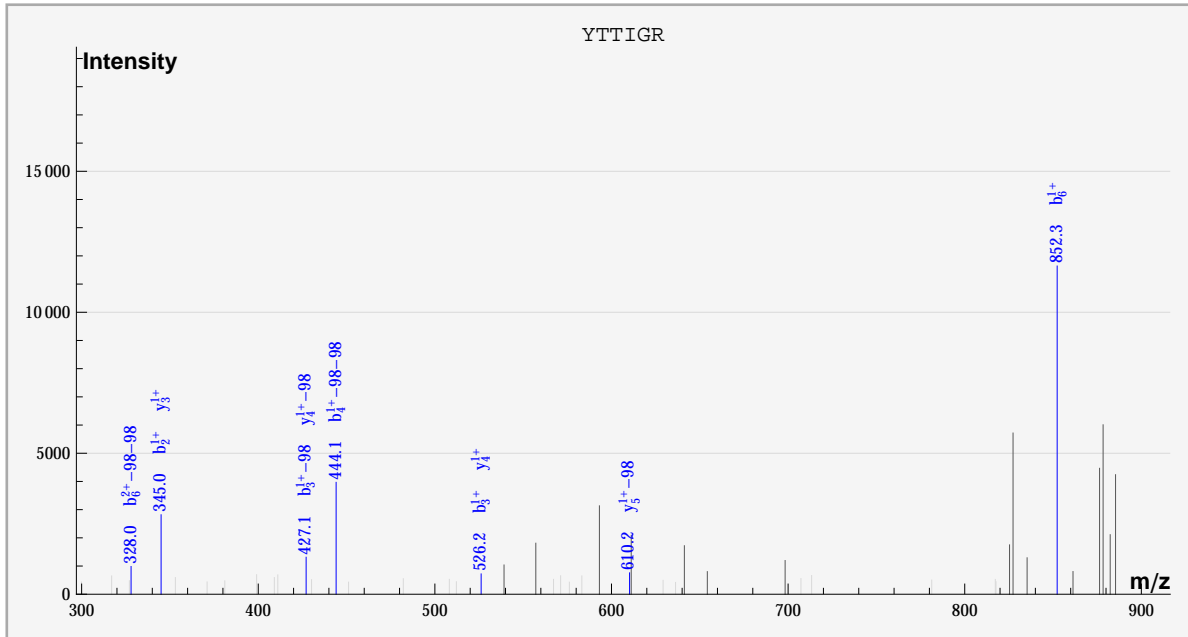
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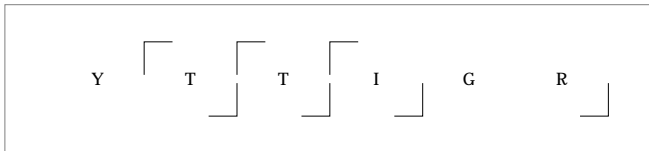
	#	b	b*	#	y	y*	P	P*
Y	1							
T	2	✓		5	✓	✓		
T	3	✓	✓	4	✓	✓		
I	4		✓	3	✓			
G	5			2				
R	6	✓	✓	1				



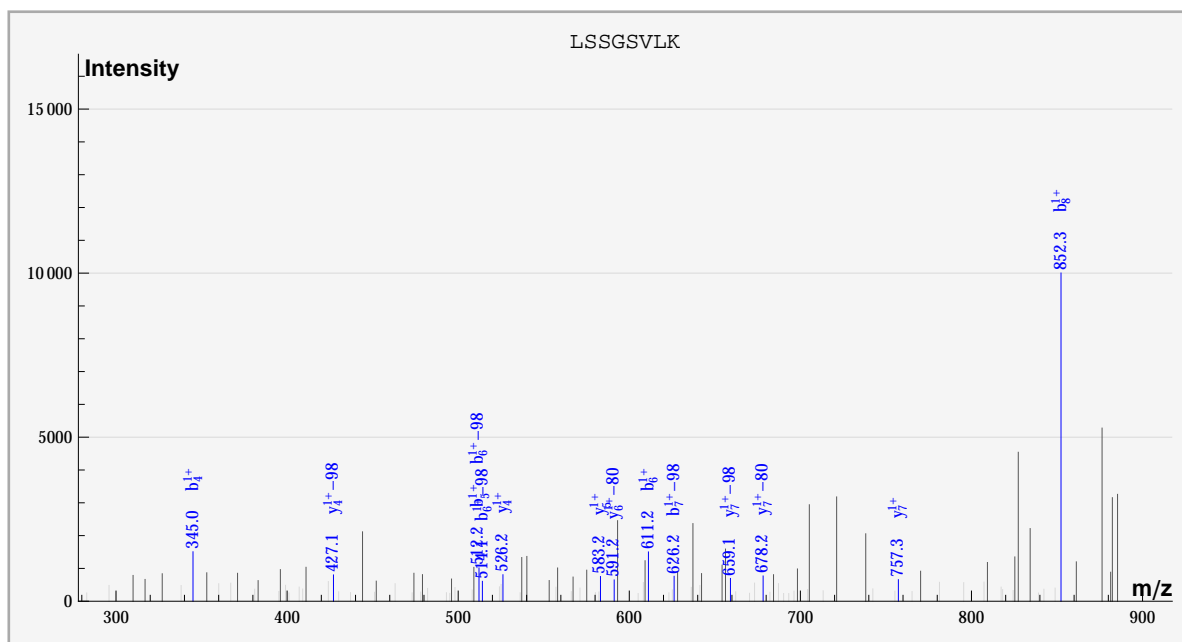
dbValid true YTTIGR PHOS(2) 1. 872. -1.68423 5.8895 100. ? 2388.  
 S\_Acido\_new%gi|68567813|gb|AAY80742.1| YTTIGR%::PHOS:PHOS:::%sample\_0%compd\_953



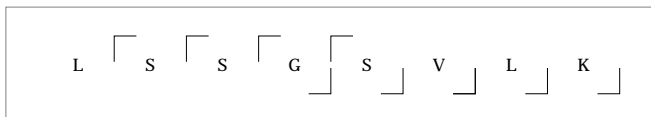
	#	b	b*	#	y	y*	P	P*
Y	1							
T	2	✓		5		✓		
T	3	✓	✓	4	✓	✓		
I	4		✓	3	✓			
G	5			2				
R	6	✓	✓	1				



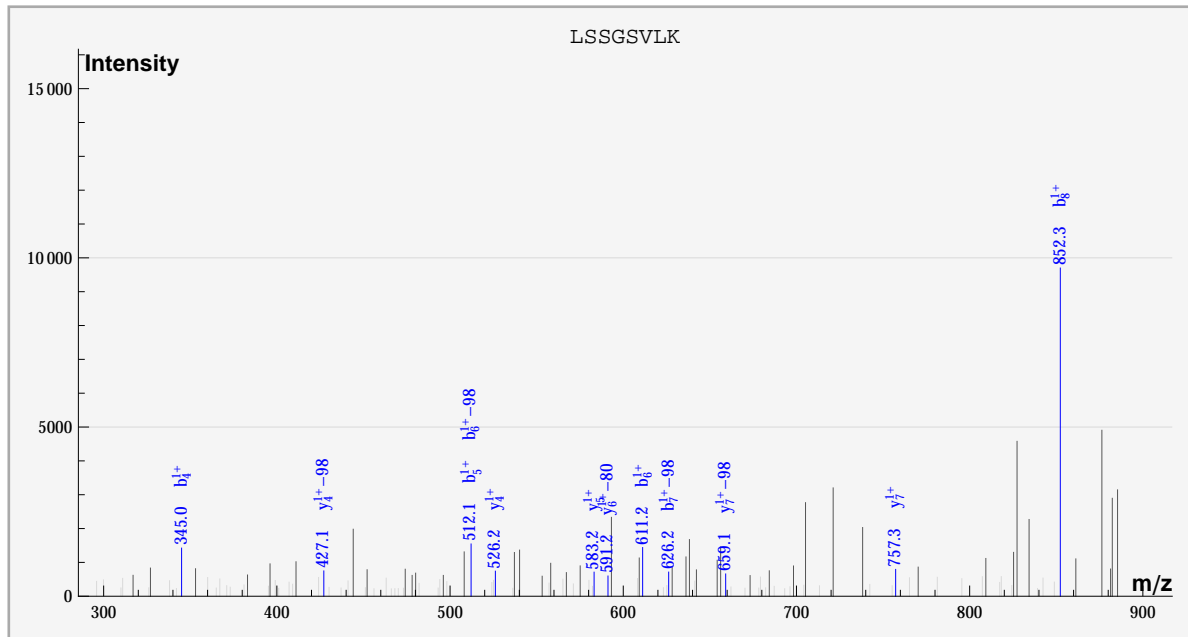
dbValid true LSSGSVLK PHOS(1) 1. 872. -1.56681 5.29065 100. ? 2496.  
 S\_Acido\_new%gi|68566592|gb|AAY79521.1| LSSGSVLK%::::PHOS::::%sample\_0%compd\_1046



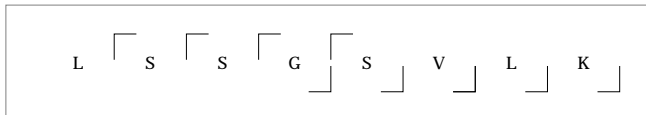
	#	b	b*	#	y	y*	P	P*
L	1							
S	2			7	✓	✓		
S	3			6		✓		
G	4	✓		5	✓			
S	5	✓		4	✓	✓		
V	6	✓	✓	3				
L	7		✓	2				
K	8	✓		1				



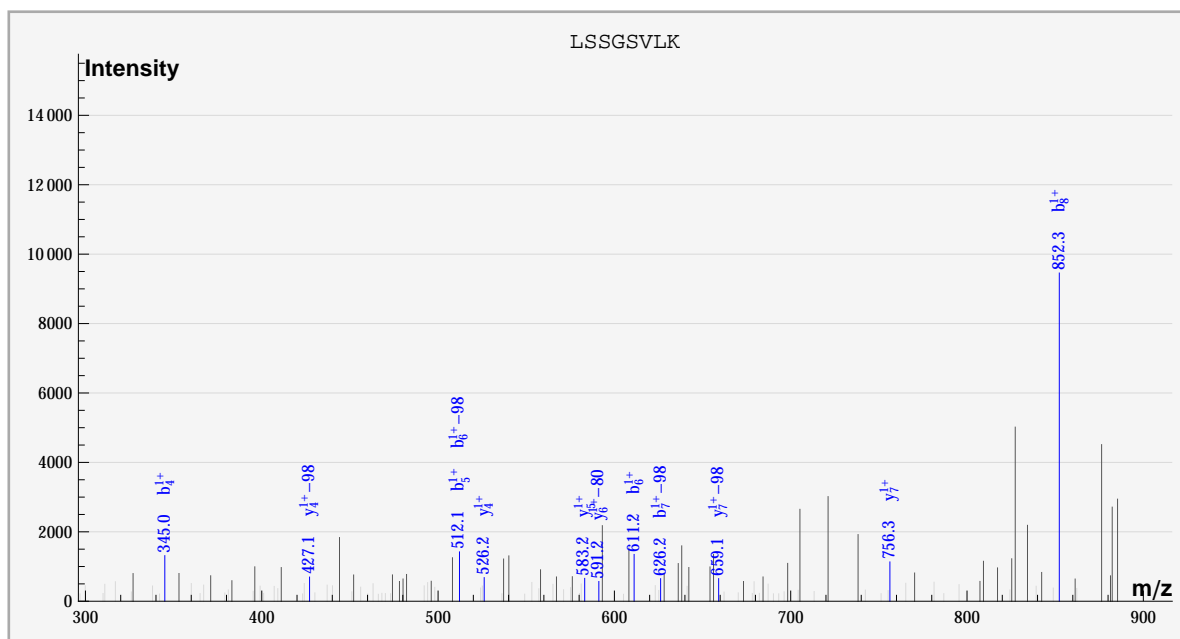
dbValid true LSSGSVLK PHOS(1) 1. 872. -1.56681 6.2388 100. ? 2508.  
 S\_Acido\_new%gi|68566592|gb|AA79521.1| LSSGSVLK%:::PHOS:::%sample\_0%compd\_1056



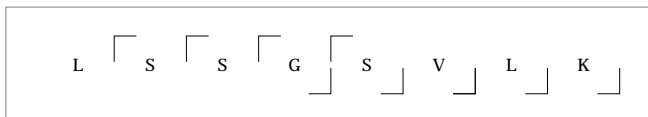
	#	b	b*	#	y	y*	P	P*
L	1							
S	2			7	✓	✓		
S	3			6		✓		
G	4	✓		5	✓			
S	5	✓		4	✓	✓		
V	6	✓	✓	3				
L	7		✓	2				
K	8	✓		1				



dbValid true LSSGSVLK PHOS(1) 1. 872. -1.56681 5.39333 100. ? 2520.  
 S\_Acido\_new%gi|68566592|gb|AAY79521.1| LSSGSVLK%:::PHOS:::%sample\_0%compd\_1066

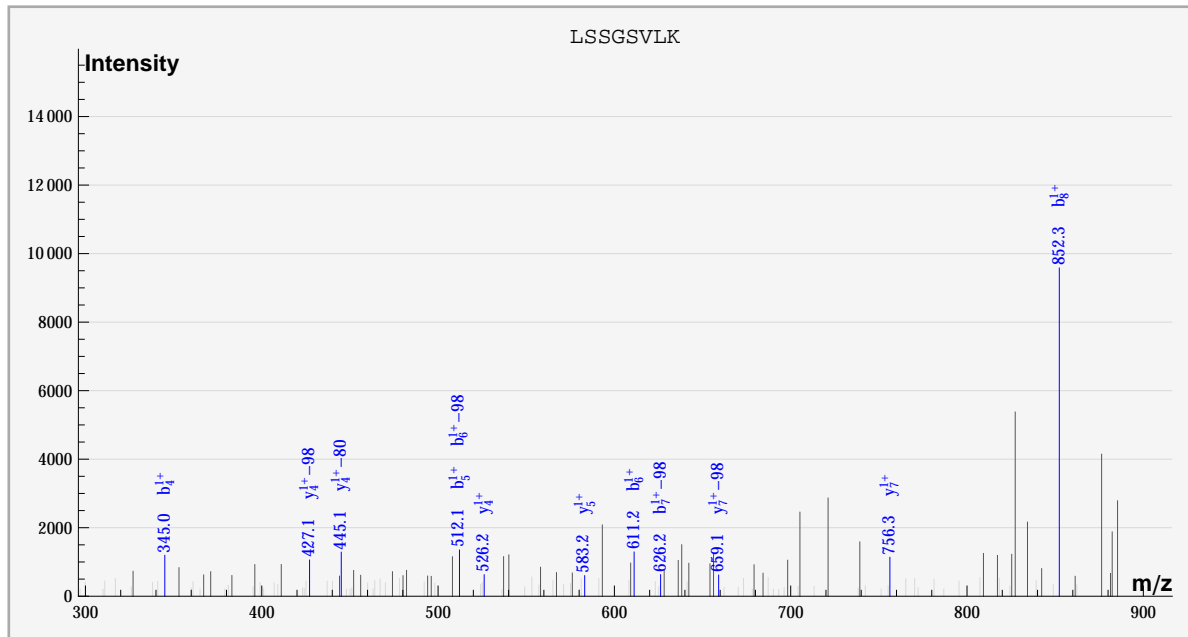


	#	b	b*	#	y	y*	P	P*
L	1							
S	2			7	✓	✓		
S	3			6		✓		
G	4	✓		5	✓			
S	5	✓		4	✓	✓		
V	6	✓	✓	3				
L	7		✓	2				
K	8	✓		1				

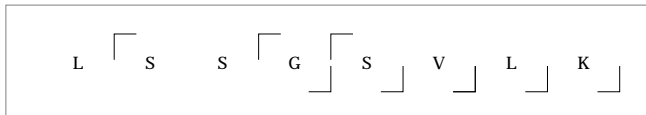




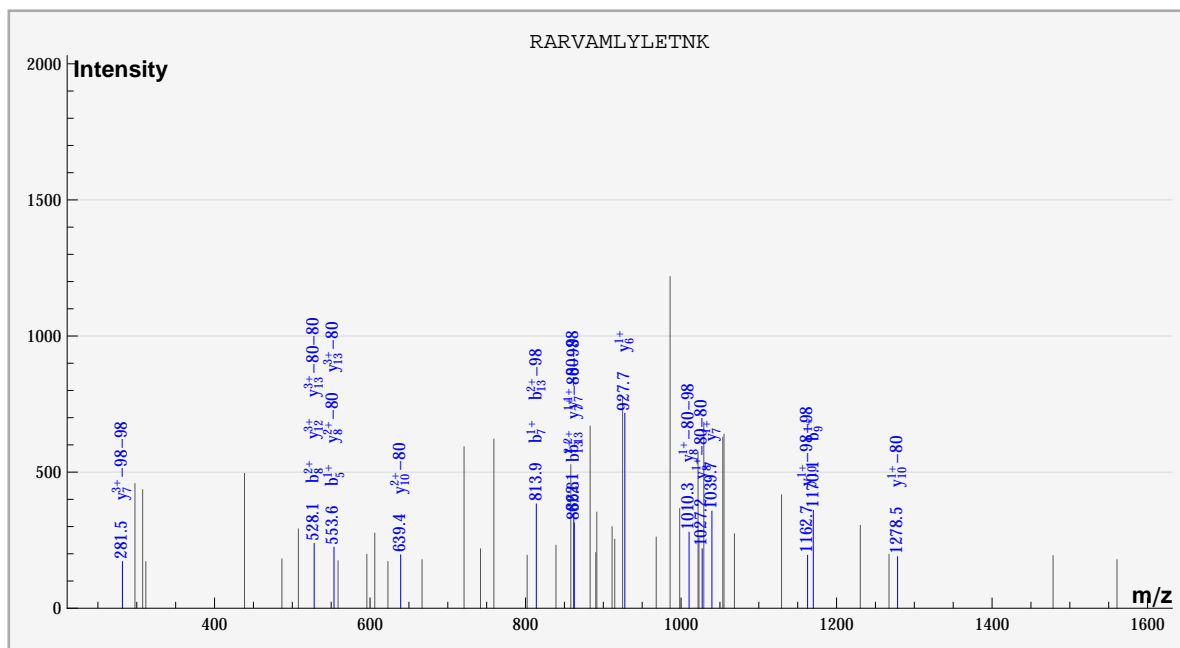
dbValid true LSSGSVLK PHOS(1) 1. 872. -1.56681 5.27557 100. ? 2532.  
 S\_Acido\_new%gi|68566592|gb|AAY79521.1| LSSGSVLK%:::PHOS:::sample\_0%compd\_1075



	#	b	b*	#	y	y*	P	P*
L	1							
S	2			7	✓	✓		
S	3			6				
G	4	✓		5	✓			
S	5	✓		4	✓	✓		
V	6	✓	✓	3				
L	7		✓	2				
K	8	✓		1				



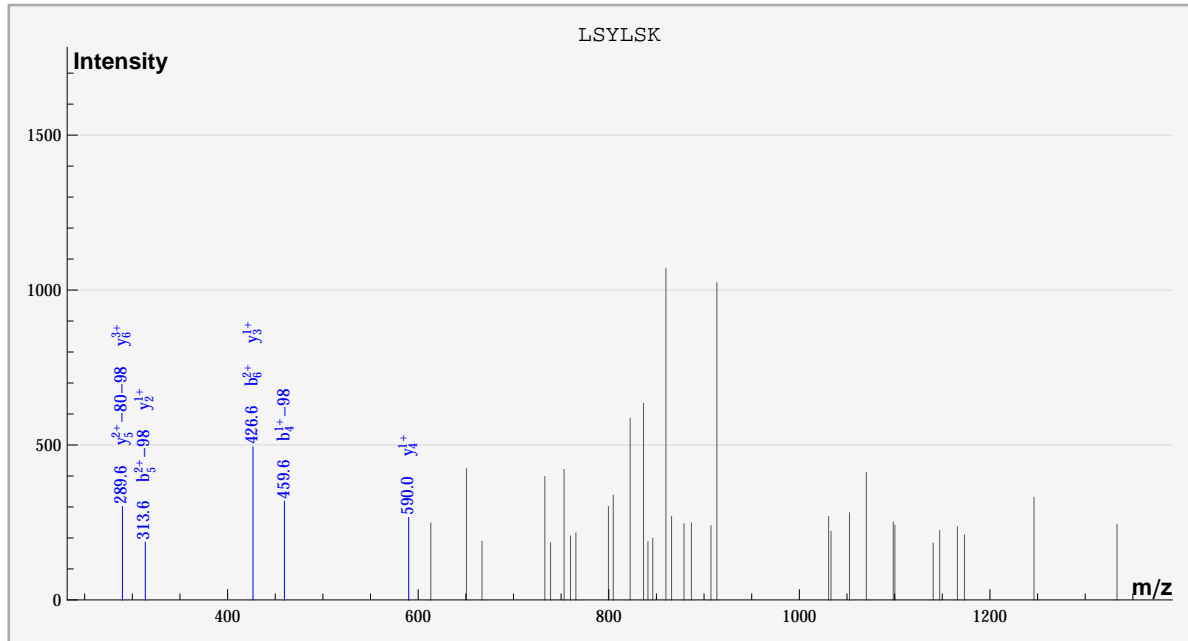
dbValid true RARVAMLYLETNK Oxidation\_M(1),PHOS(2) 2. 872. -1.10121 5.07782 100. ? 4734.  
 S\_Acido\_new%gi|68567271|gb|AA80200.1| RARVAMLYLETNK%:::Oxidation\_M::PHOS::PHOS:::sample\_2%compd\_3182



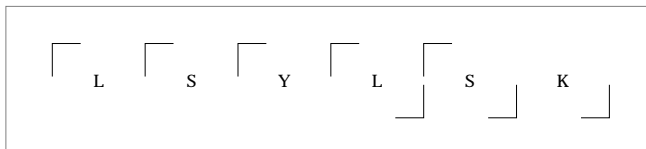
	#	b	b*	#	y	y*	P	P*
R	1							✓
A	2			12	✓			
R	3			11				
V	4			10		✓		
A	5	✓		9				
M	6			8		✓		
L	7	✓		7	✓	✓		
Y	8	✓		6	✓			
L	9	✓		5				
E	10			4				
T	11			3				
N	12			2				
K	13	✓	✓	1				

[R][A][R][V][A][M][L][Y][L][E][T][N][K]

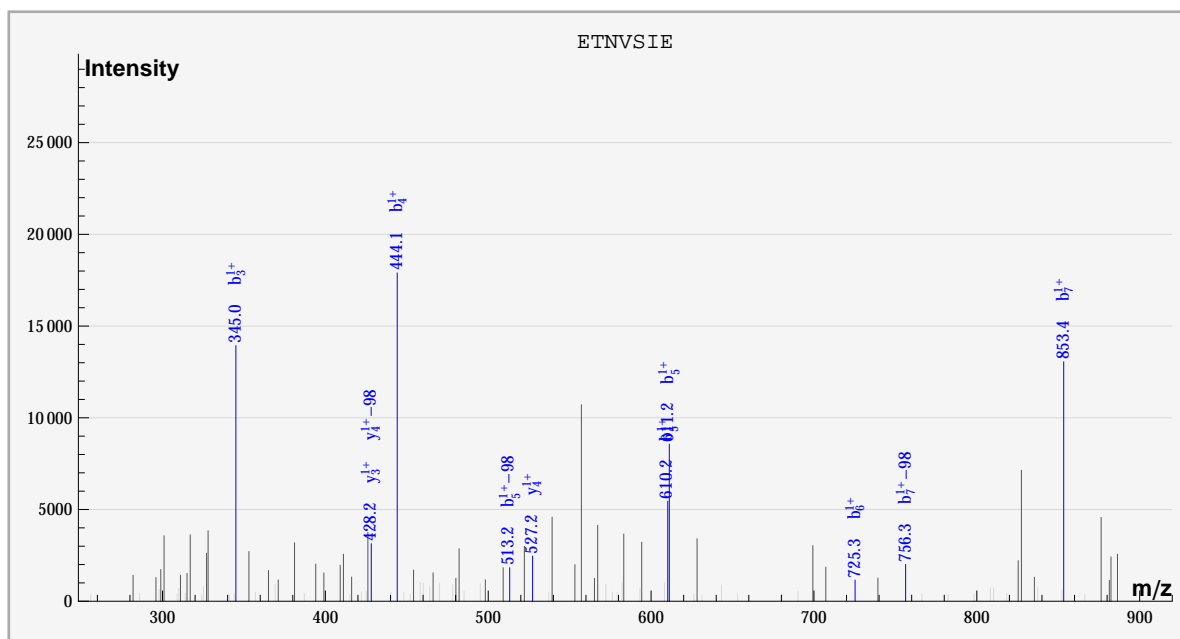
dbValid true LSYLSK PHOS(2) 1. 872. -1.65908 5.03288 100. ? 5382.  
 S\_Acido\_new%gi|68568532|gb|AAY81461.1| S\_Acido\_new%gi|68568535|gb|AAY81464.1|  
 LSYLSK%::PHOS::PHOS::%sample\_2%compd\_3762



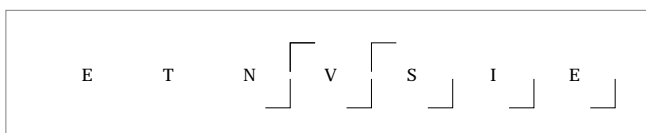
	#	b	b*	#	y	y*	P	P*
L	1						✓	
S	2			5		✓		
Y	3			4		✓		
L	4	✓		3		✓		
S	5	✓		2		✓		
K	6	✓		1				



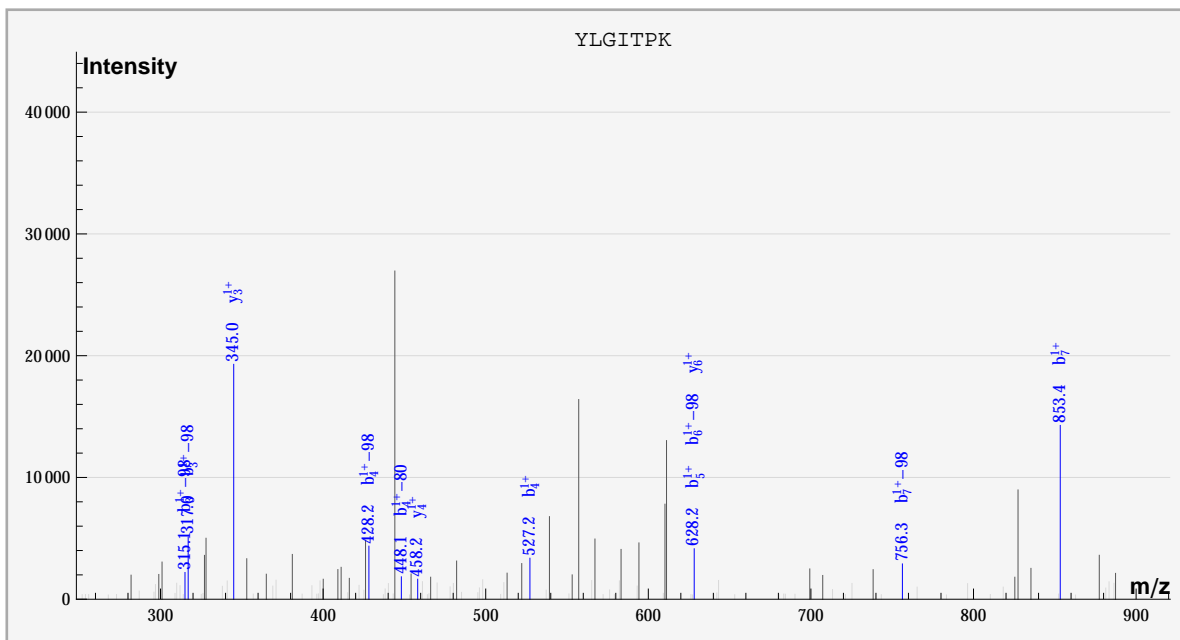
dbConflictWinner true ETNVSIE PHOS(1) 1. 873. -1.65556 5.62735 100. ?  
 2004. S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_628



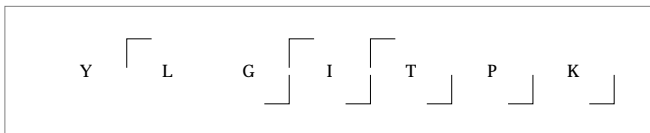
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5				
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



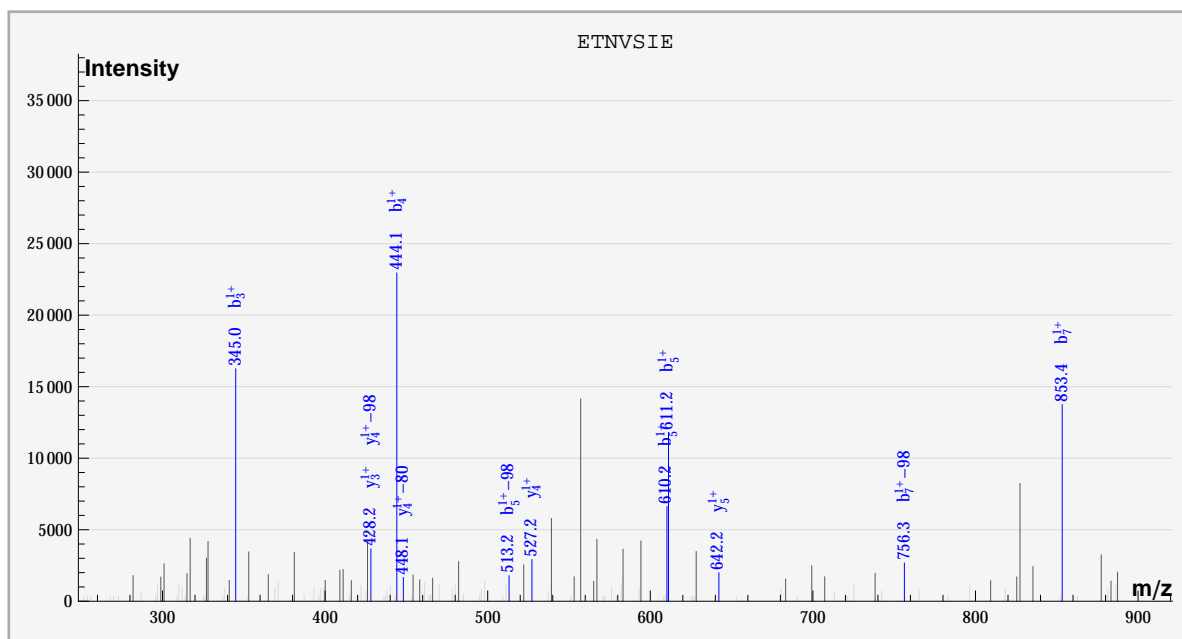
dbConflictWinner true YLGITPK PHOS(1) 1. 873. -1.56754 5.55579 100. ?  
 2052. S\_Acido\_new%gi68568042|gb|AAY80971.1| YLGITPK%:PHOS::::::%sample\_0%cmpd\_667



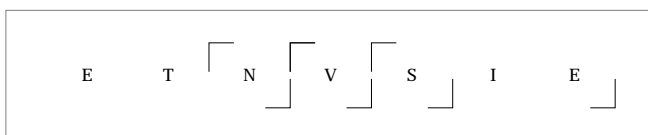
	#	b	b*	#	y	y*	P	P*
Y	1							
L	2			6	✓			
G	3	✓	✓	5				
I	4	✓	✓	4	✓			
T	5	✓		3	✓			
P	6		✓	2				
K	7	✓	✓	1				



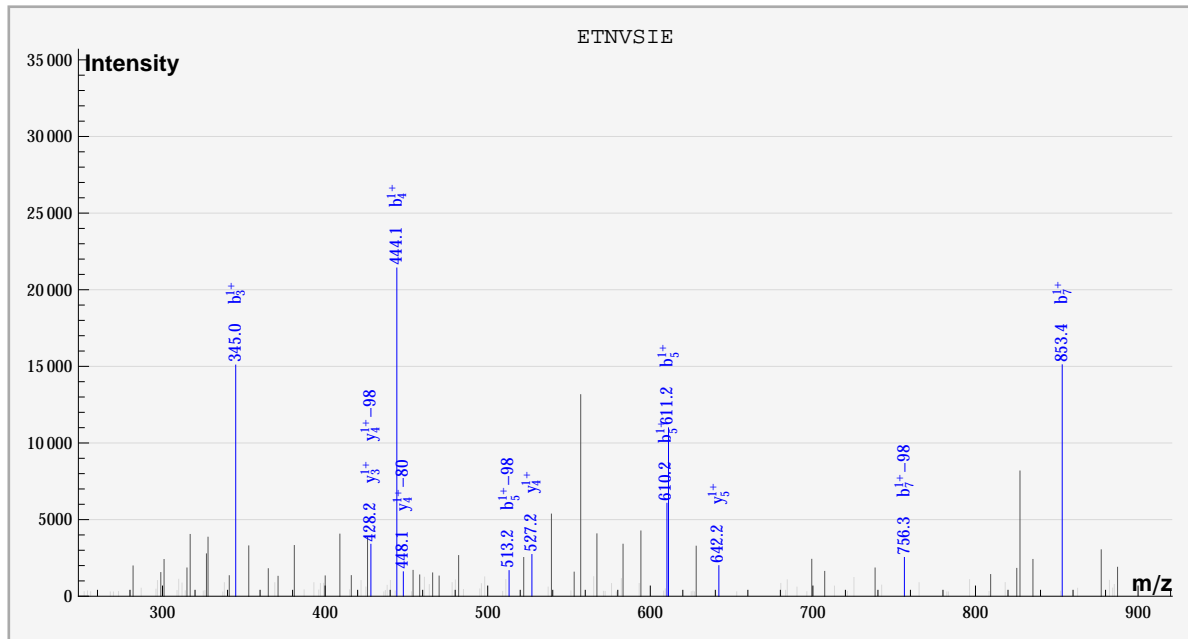
dbConflictWinner true ETNVSIE PHOS(1) 1. 873. -1.65556 5.6948 100. ?  
 2076. S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_688



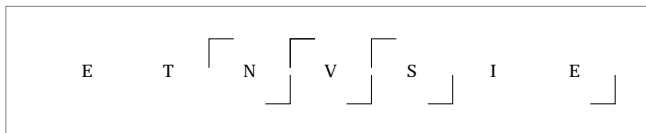
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6			2				
E	7	✓	✓	1				



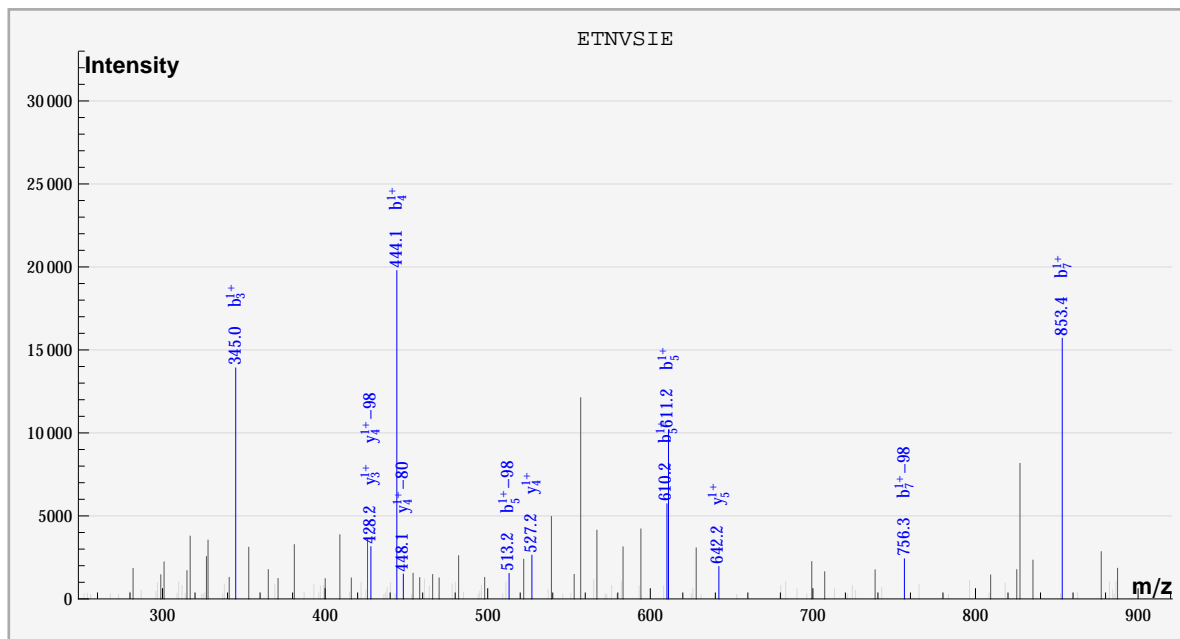
dbConflictWinner true ETNVSIE PHOS(1) 1. 873. -1.65556 6.1527 100. ?  
 2088. S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%cmpd\_698



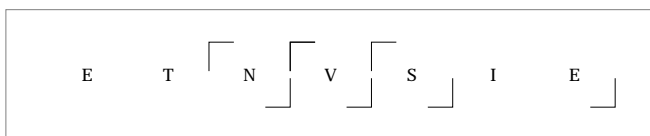
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6			2				
E	7	✓	✓	1				



dbConflictWinner true ETNVSIE PHOS(1) 1. 873. -1.65556 6.36599 100. ?  
 2100. S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_709

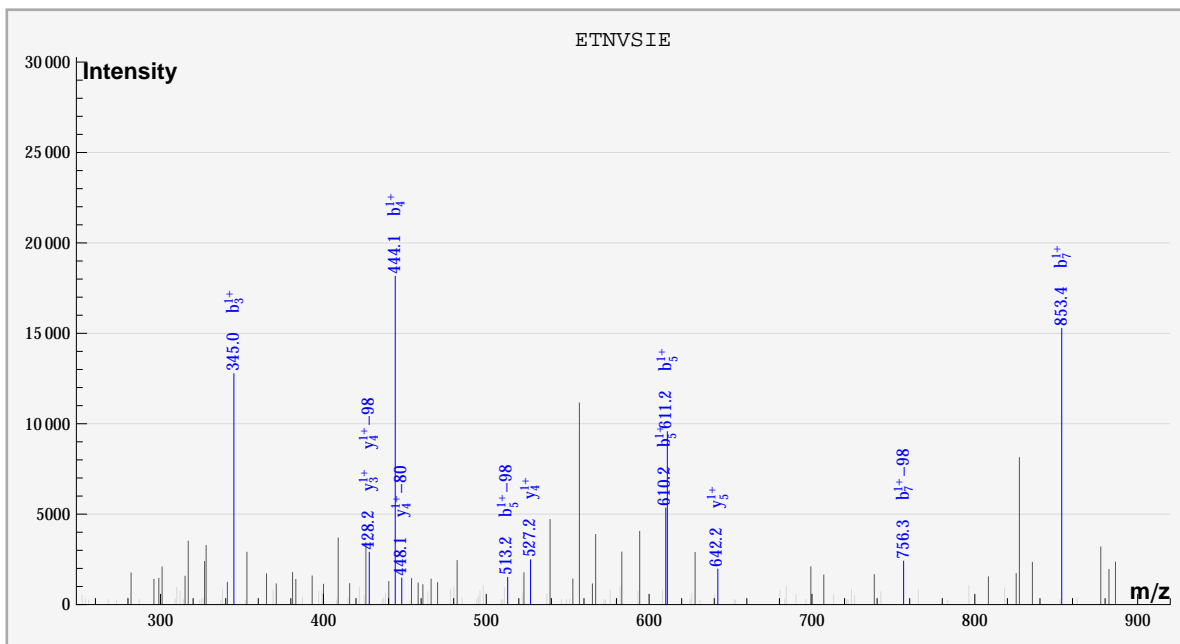


	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6			2				
E	7	✓	✓	1				

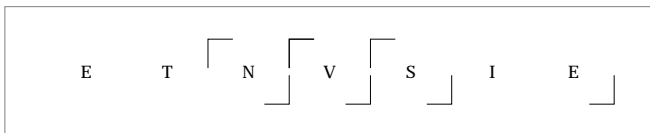




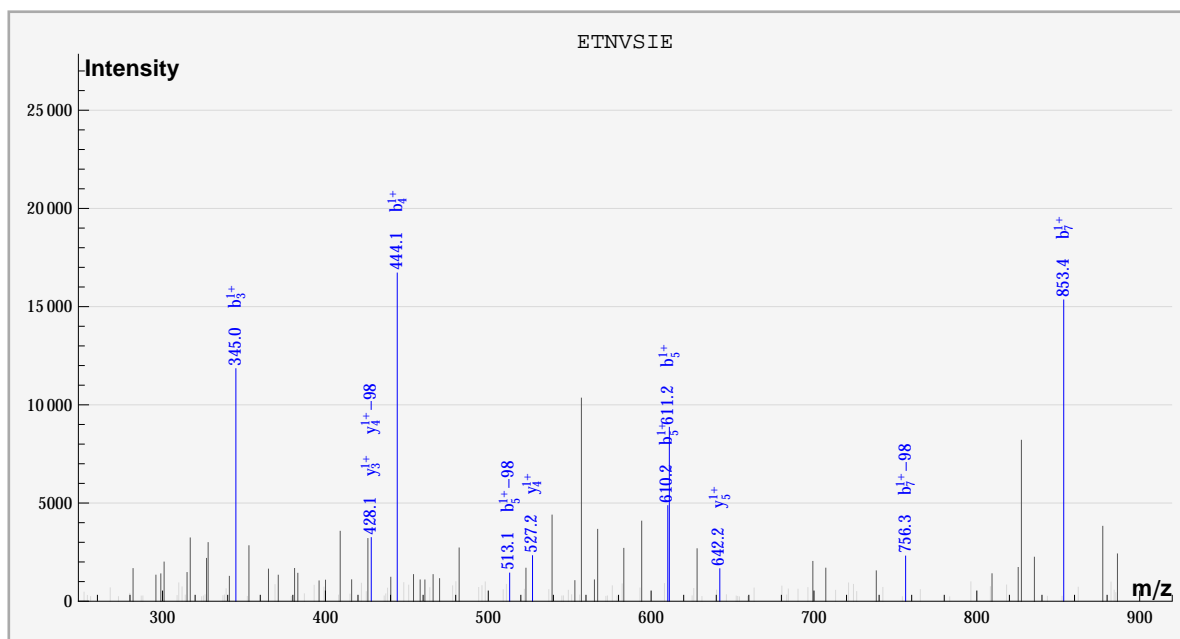
dbConflictWinner true ETNVSIE PHOS(1) 1. 873. -1.65556 6.30918 100. ?  
 2112. S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%cmpd\_719



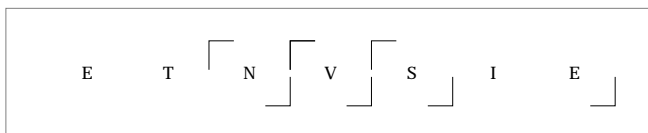
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6			2				
E	7	✓	✓	1				



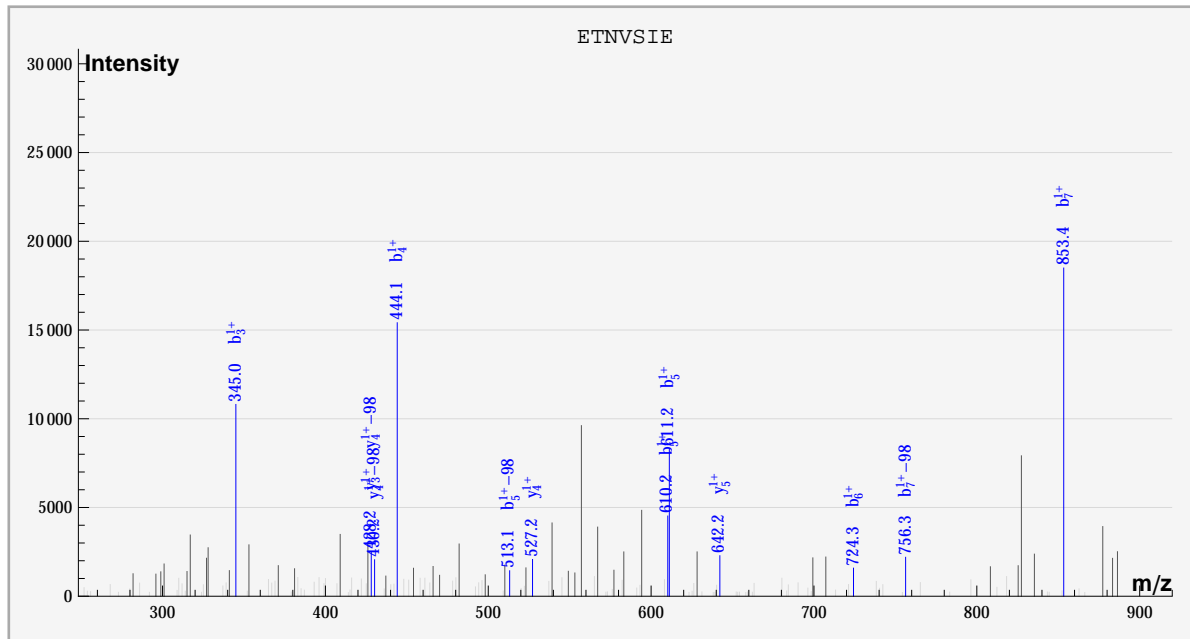
dbConflictWinner true ETNVSIE PHOS(1) 1. 873. -1.65556 6.08141 100. ?  
 2124. S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_729



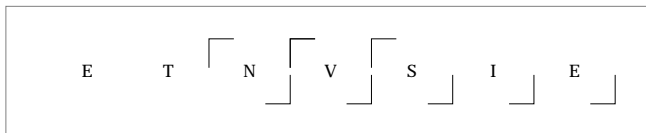
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6			2				
E	7	✓	✓	1				



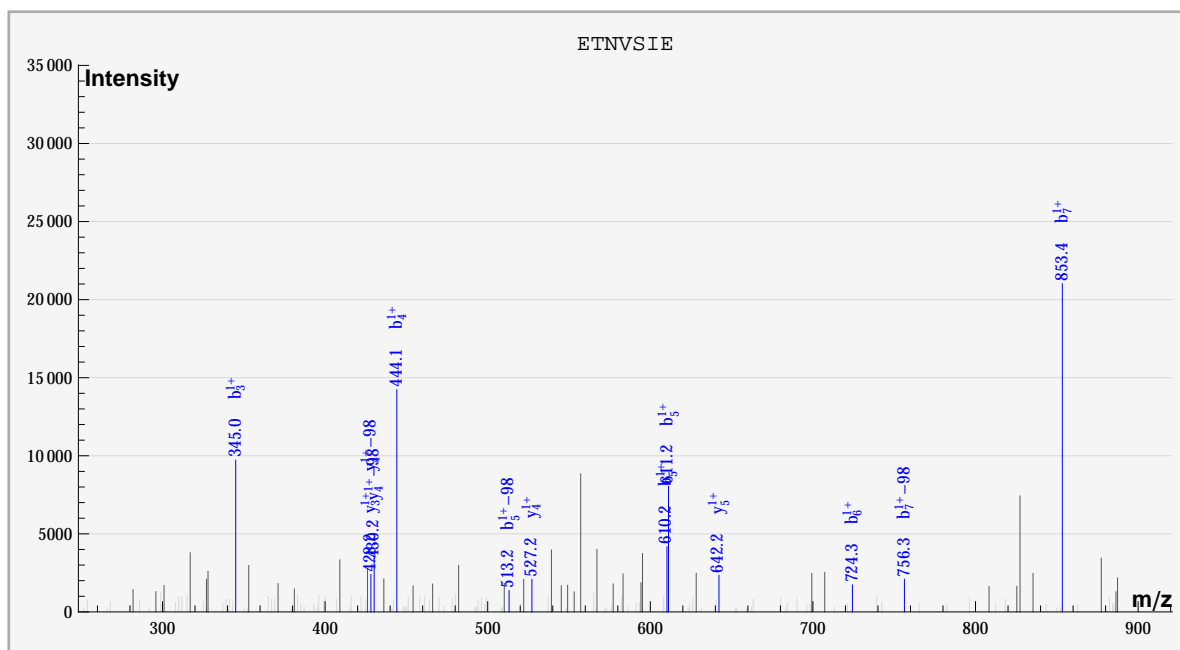
dbConflictWinner true ETNVSIE PHOS(1) 1. 873. -1.65556 6.11404 100. ?  
 2136. S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%cmpd\_739



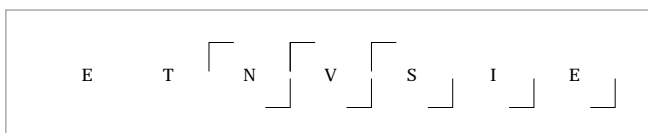
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



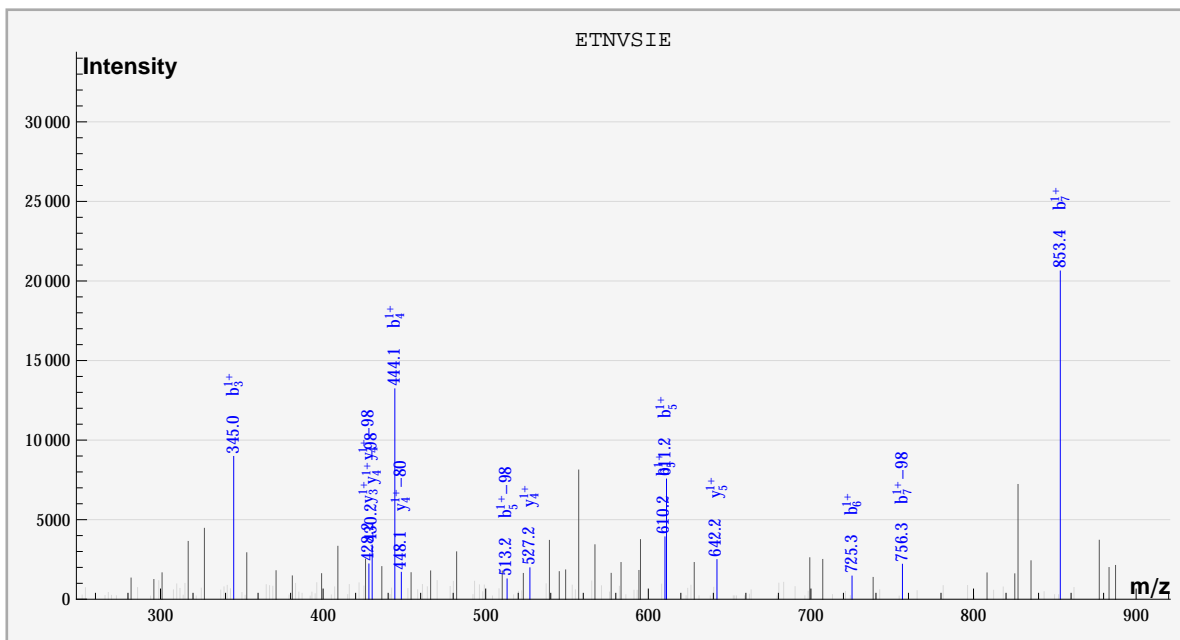
dbConflictWinner true ETNVSIE PHOS(1) 1. 873. -1.65556 6.18896 100. ?  
 2148. S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%cmpd\_749



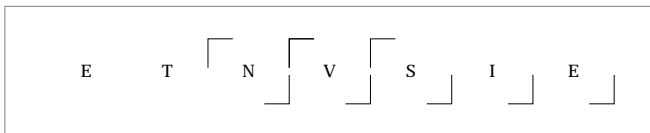
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



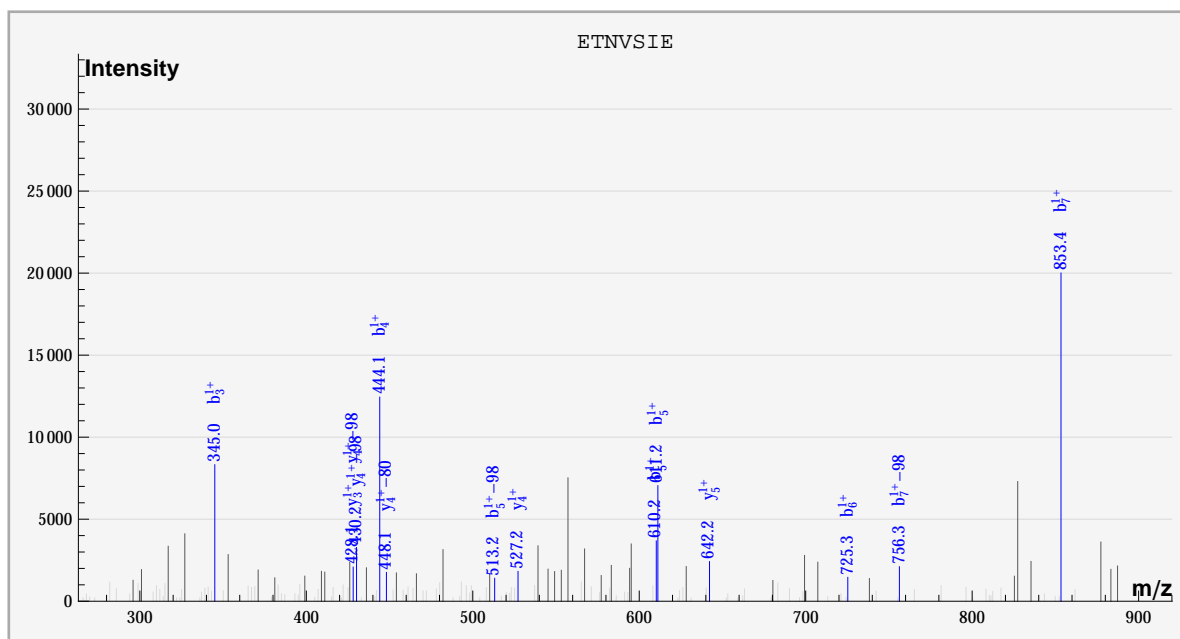
dbValid true ETNVSIE PHOS(1) 1. 873. -1.65556 5.59892 100. ? 2160.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_759



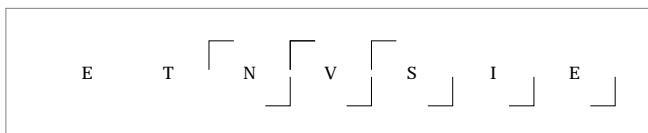
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



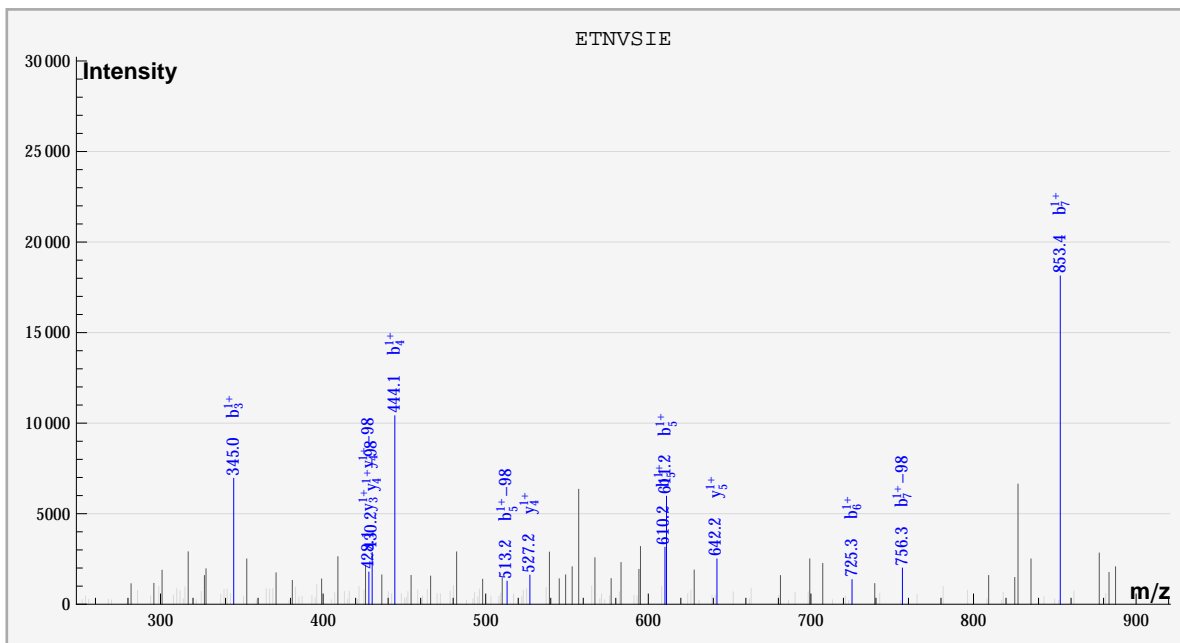
dbValid true ETNVSIE PHOS(1) 1. 873. -1.65556 5.4274 100. ? 2172.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_769



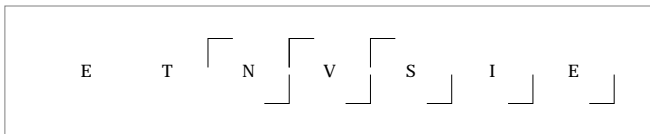
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



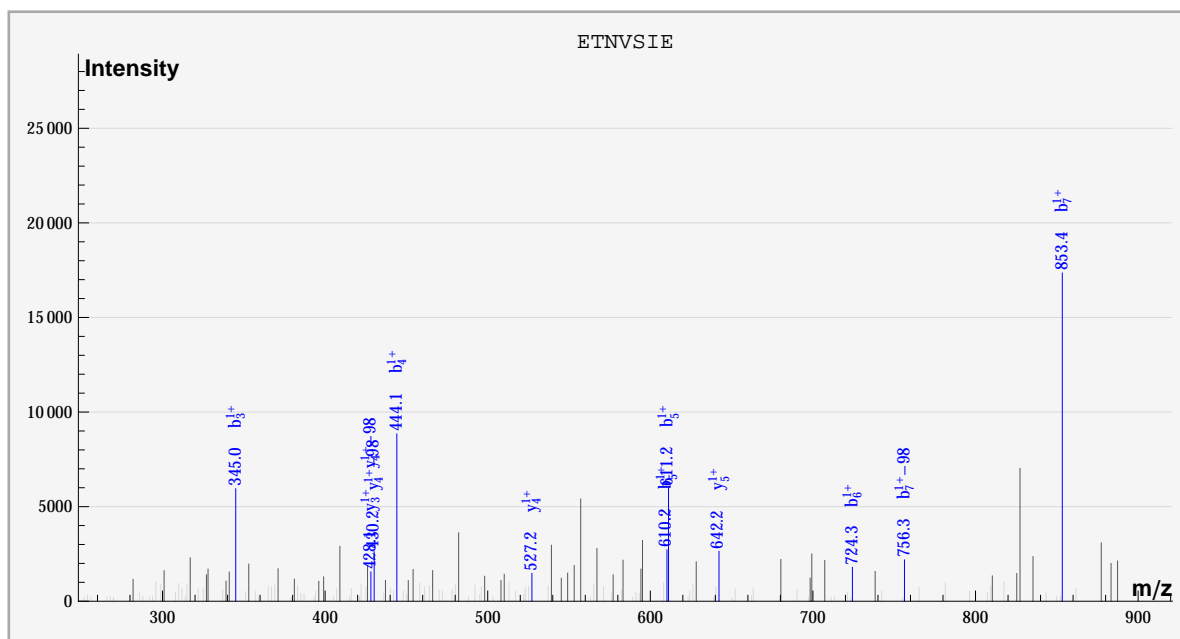
dbValid true ETNVSIE PHOS(1) 1. 873. -1.65556 5.77392 100. ? 2196.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_791



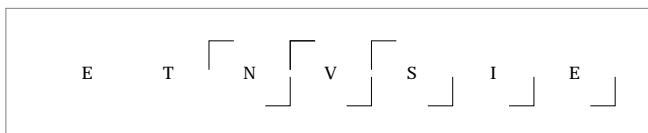
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓		2				
E	7	✓	✓	1				



dbValid true ETNVSIE PHOS(1) 1. 873. -1.65556 5.45174 100. ? 2220.  
 S\_Acido\_new%gi68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_812

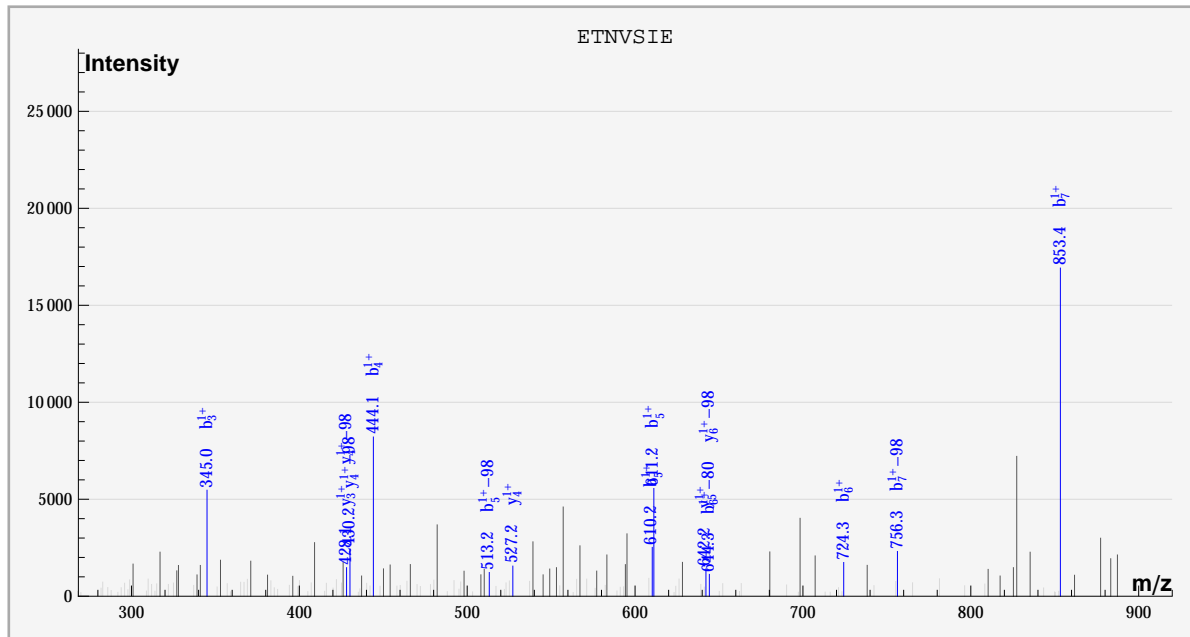


	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6				
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓		3	✓			
I	6	✓		2				
E	7	✓	✓	1				

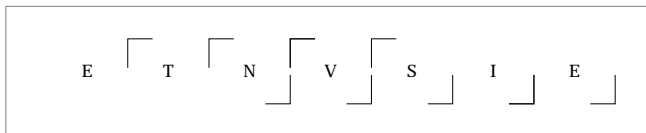




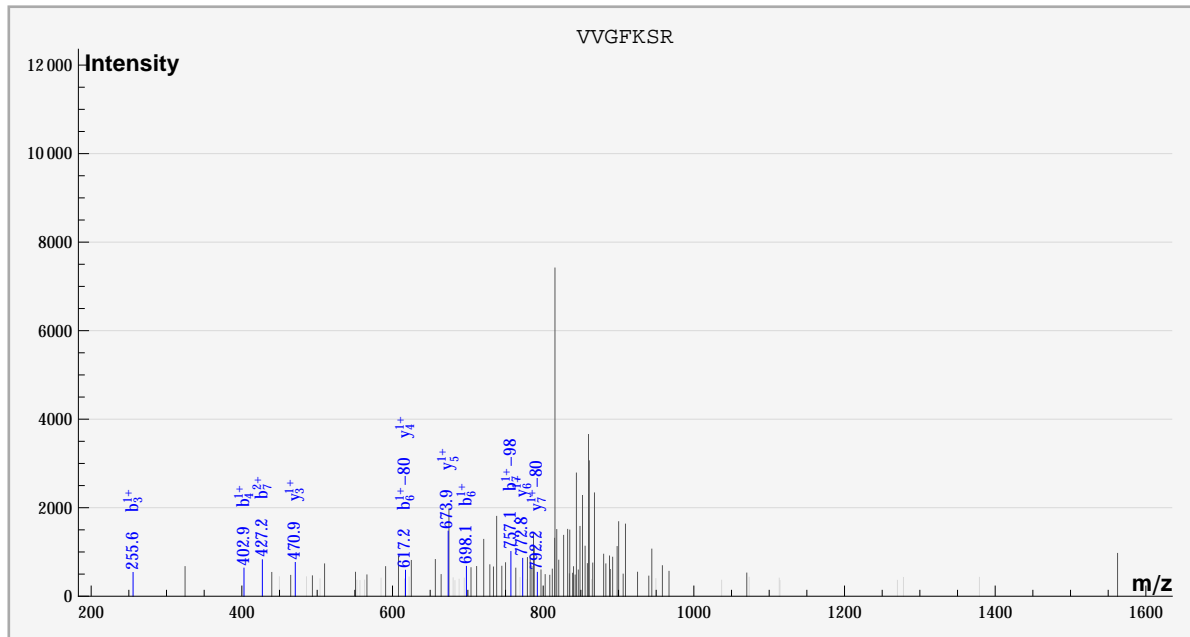
dbValid true ETNVSIE PHOS(1) 1. 873. -1.65556 6.05766 100. ? 2232.  
 S\_Acido\_new%gi|68567258|gb|AAY80187.1| ETNVSIE%::::PHOS:::sample\_0%compd\_822



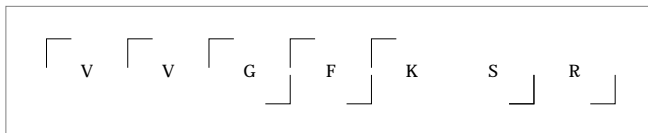
	#	b	b*	#	y	y*	P	P*
E	1							
T	2			6		✓		
N	3	✓		5	✓			
V	4	✓		4	✓	✓		
S	5	✓	✓	3	✓			
I	6	✓	✓	2				
E	7	✓	✓	1				



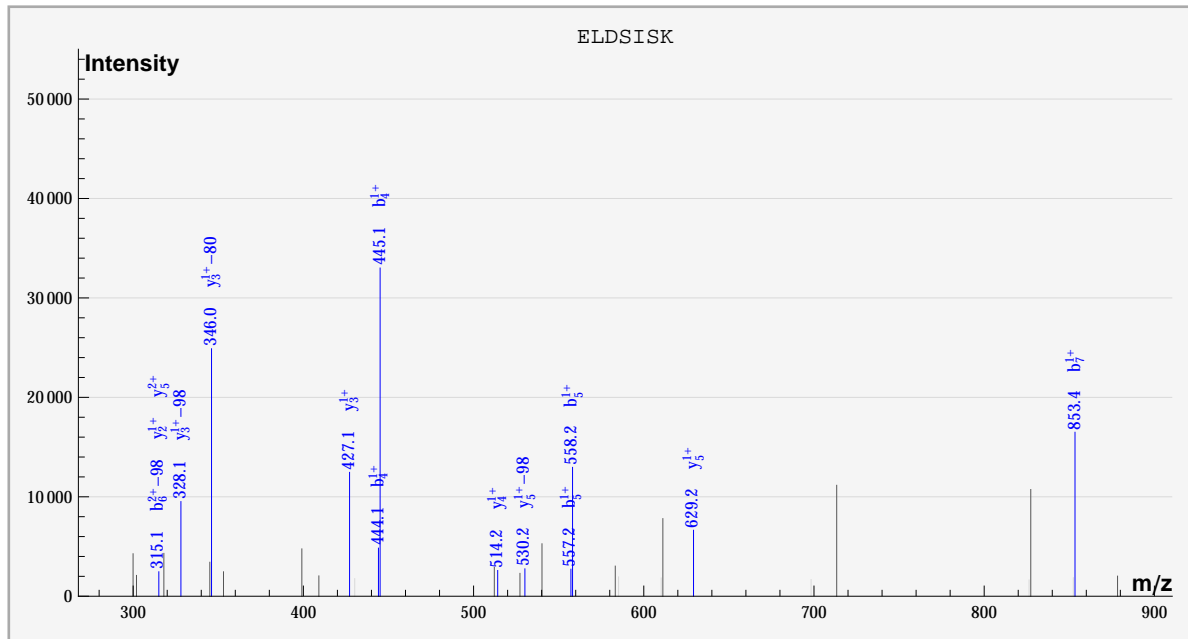
dbValid true VVGFKSR PHOS(1) 1. 873. -0.561055 5.14726 100. ? 2262.  
 S\_Acido\_new%gi|68568000|gb|AAY80929.1| VVGFKSR%:::PHOS::%sample\_2%compd\_920



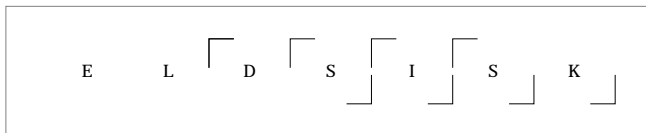
	#	b	b*	#	y	y*	P	P*
V	1							✓
V	2			6	✓			
G	3	✓		5	✓			
F	4	✓		4	✓			
K	5			3	✓			
S	6	✓	✓	2				
R	7	✓	✓	1				



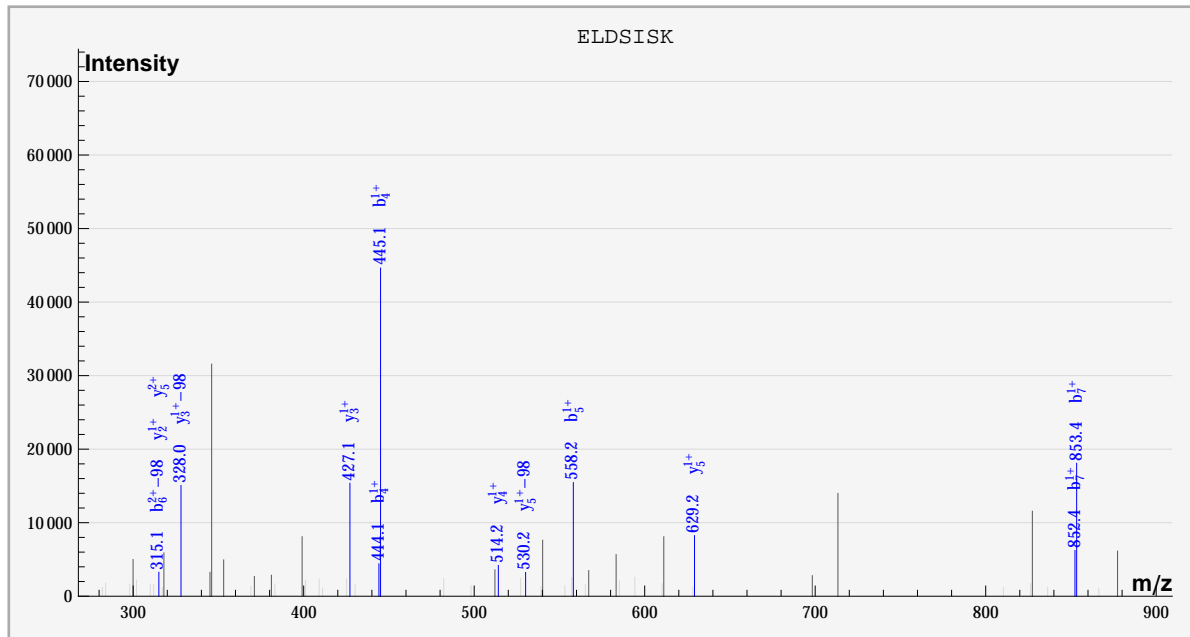
dbValid true ELDSISK PHOS(1) 1. 873. -1.61918 6.90682 100. ? 2280.  
 S\_Acido\_new%gi|68567813|gb|AAY80742.1| ELDSISK%:::PHOS::%sample\_0%compd\_862



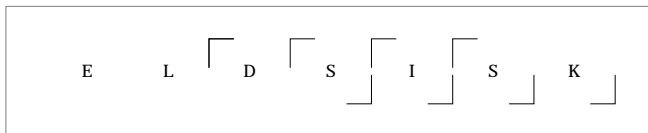
	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



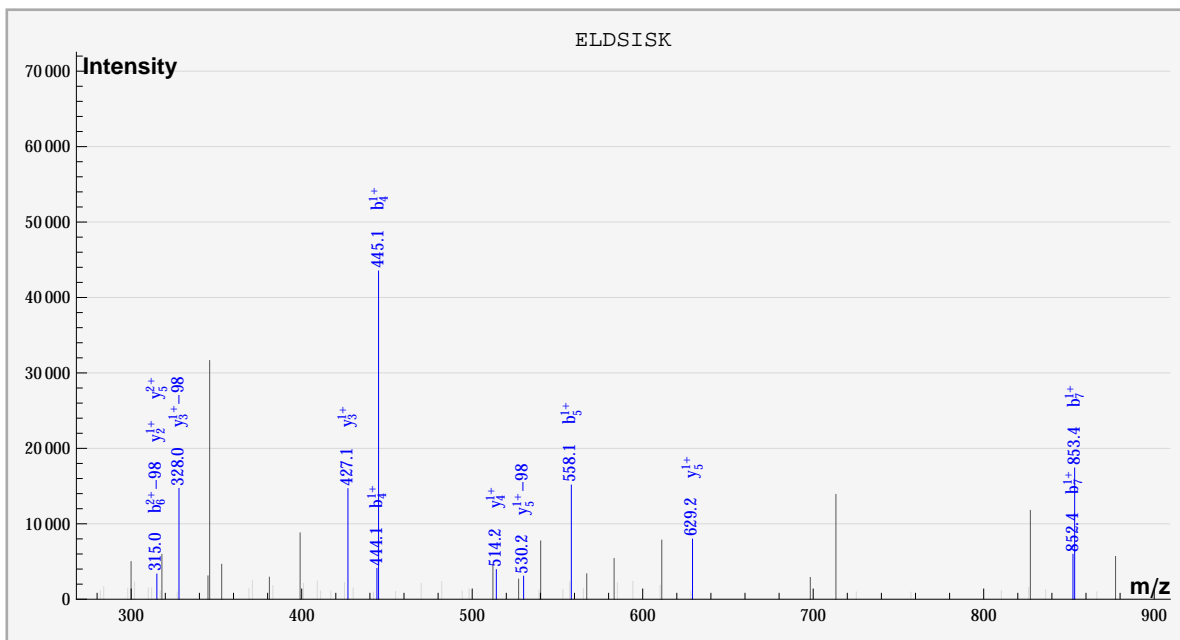
dbValid true ELD SISK PHOS(1) 1. 873. -1.61918 6.83467 100. ? 2292.  
 S\_Acido\_new%gi|68567813|gb|AAY80742.1| ELD SISK%::::::PHOS::%sample\_0%compd\_872



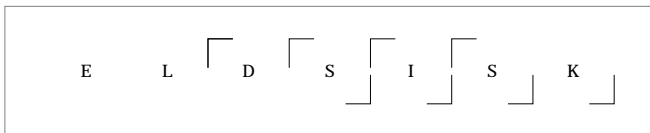
	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



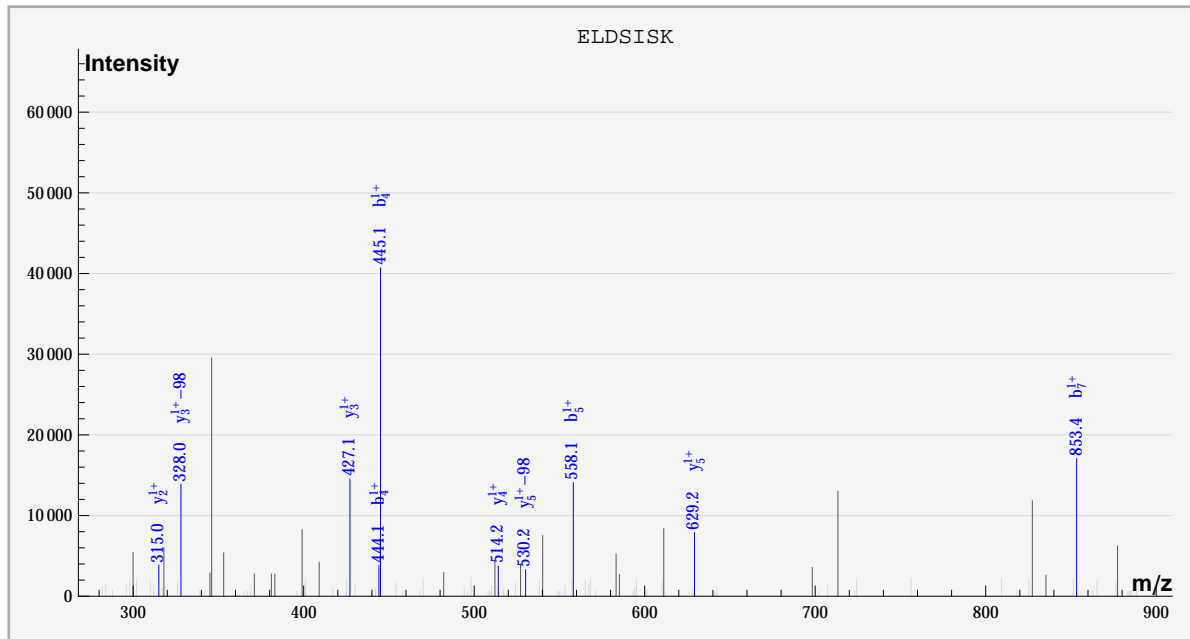
dbValid true ELD SISK PHOS(1) 1. 873. -1.61918 6.53805 100. ? 2304.  
 S\_Acido\_new%gi68567813|gb|AAY80742.1| ELD SISK%::::::PHOS::%sample\_0%compd\_883



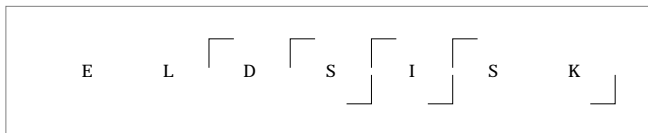
	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



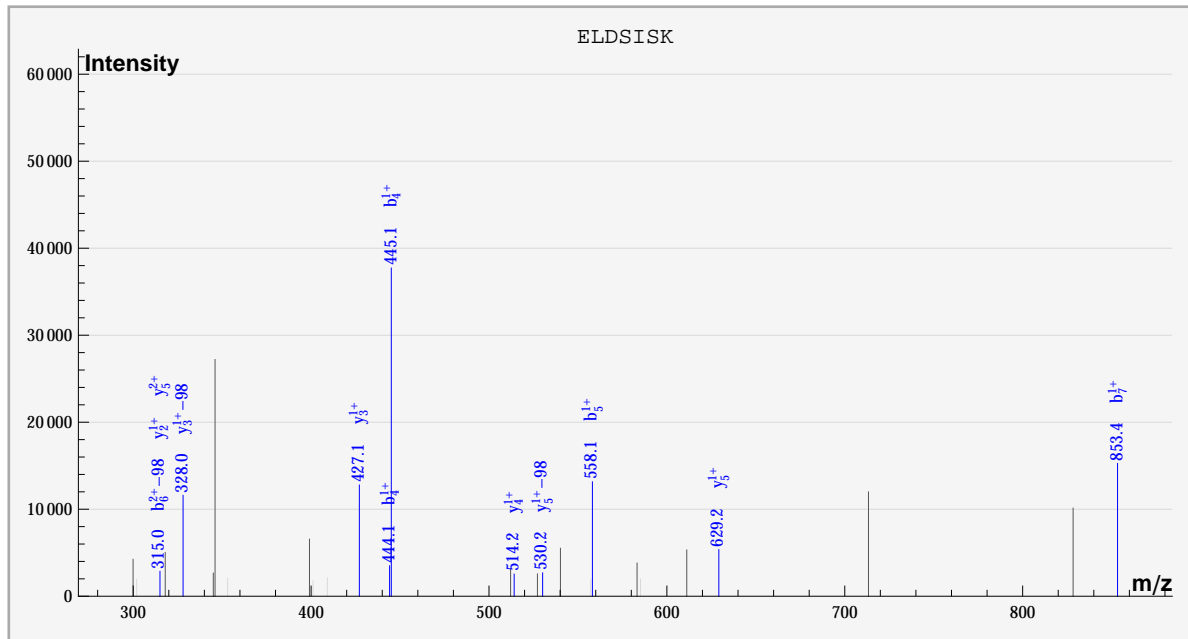
dbValid true ELD SISK PHOS(1) 1. 873. -1.61918 6.09576 100. ? 2316.  
 S\_Acido\_new%gi|68567813|gb|AAY80742.1| ELD SISK%::::::PHOS::%sample\_0%compd\_893



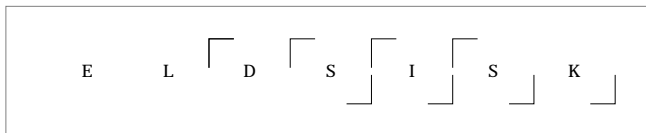
	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6			2	✓			
K	7	✓		1				



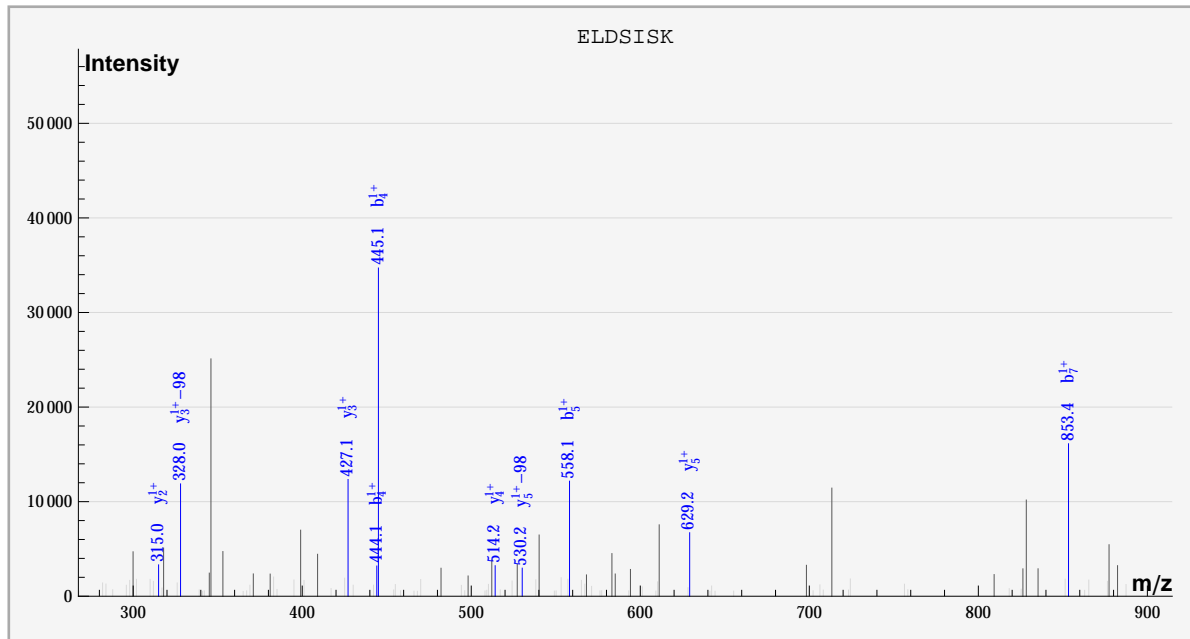
dbValid true ELD SISK PHOS(1) 1. 873. -1.61918 7.0386 100. ? 2328.  
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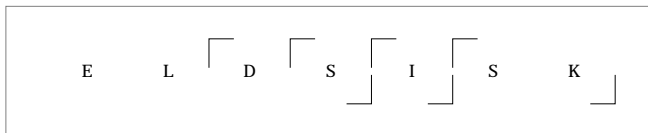
	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



dbValid true ELDSISK PHOS(1) 1. 873. -1.61918 5.45617 100. ? 2340.  
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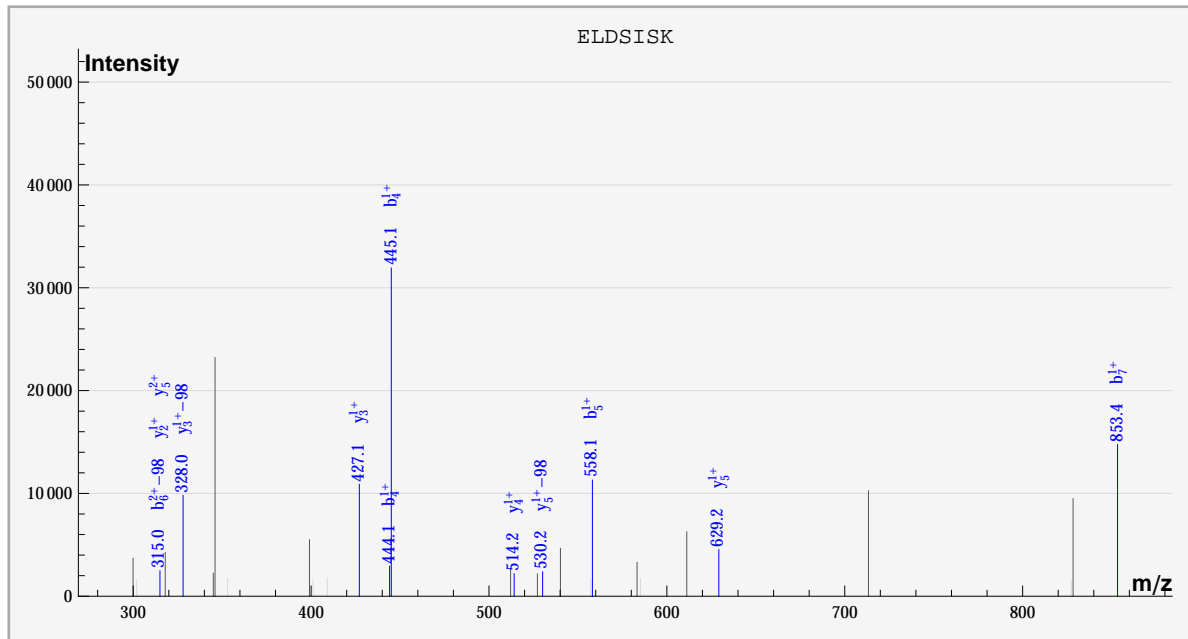


	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6			2	✓			
K	7	✓		1				

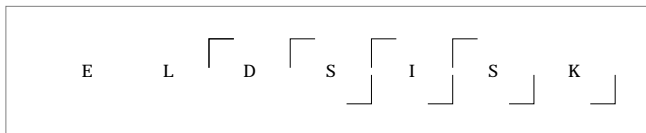




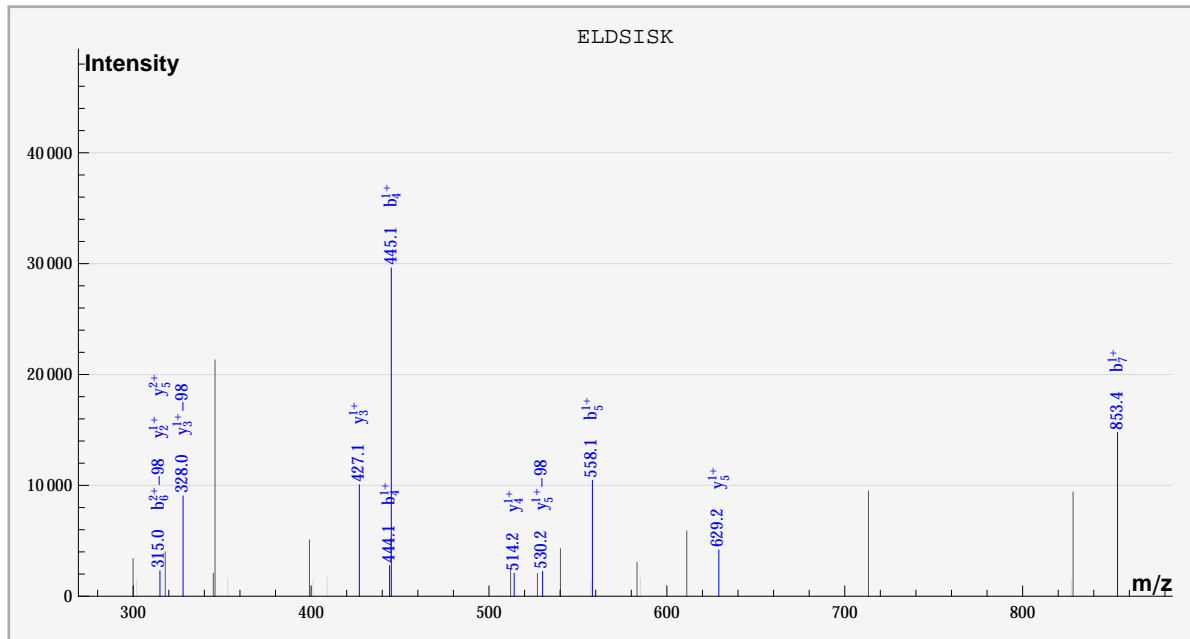
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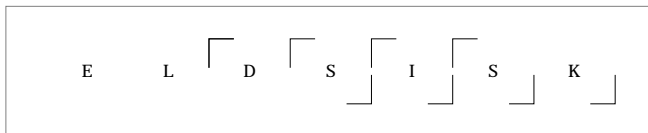
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E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



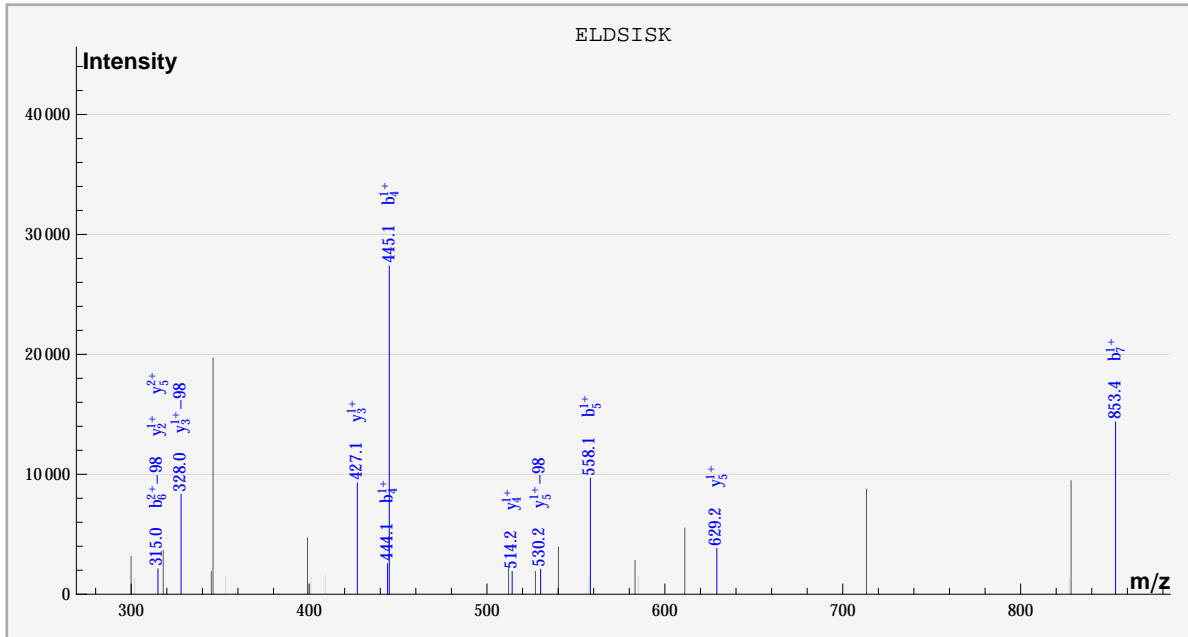
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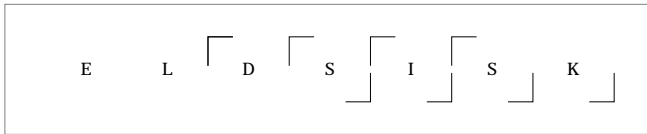
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L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



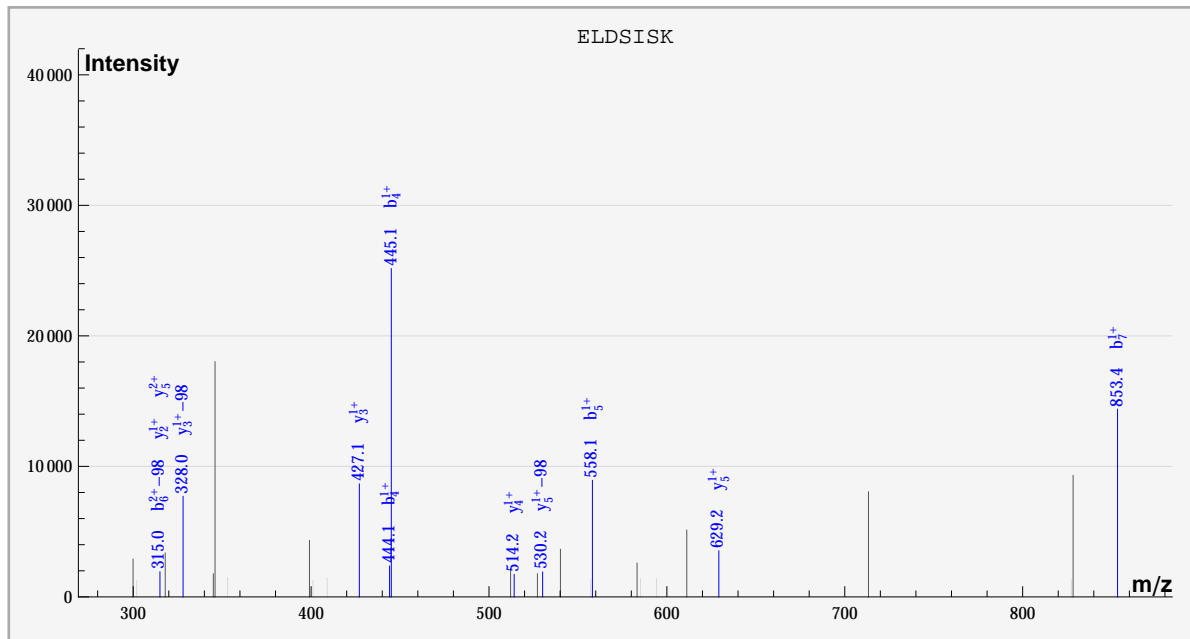
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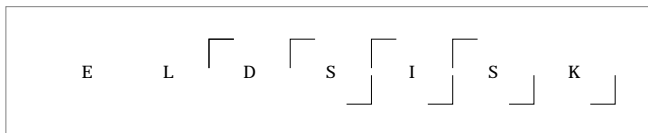
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E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



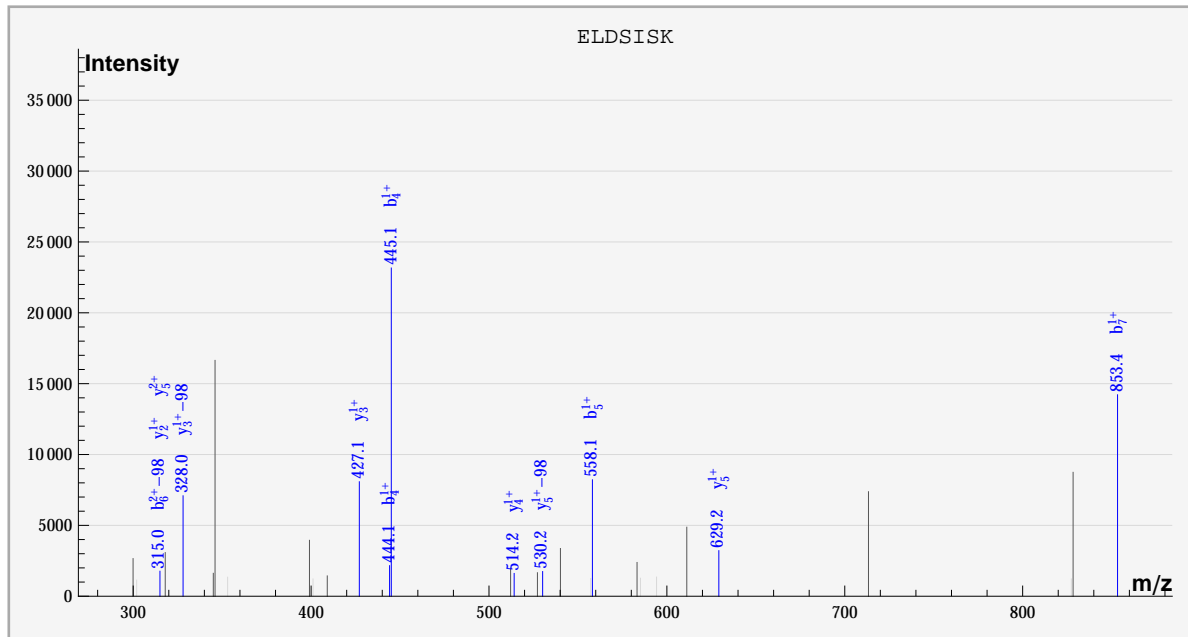
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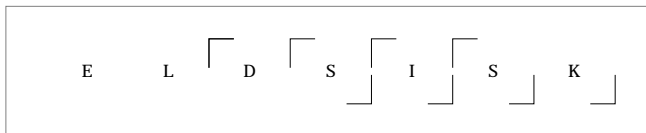
	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



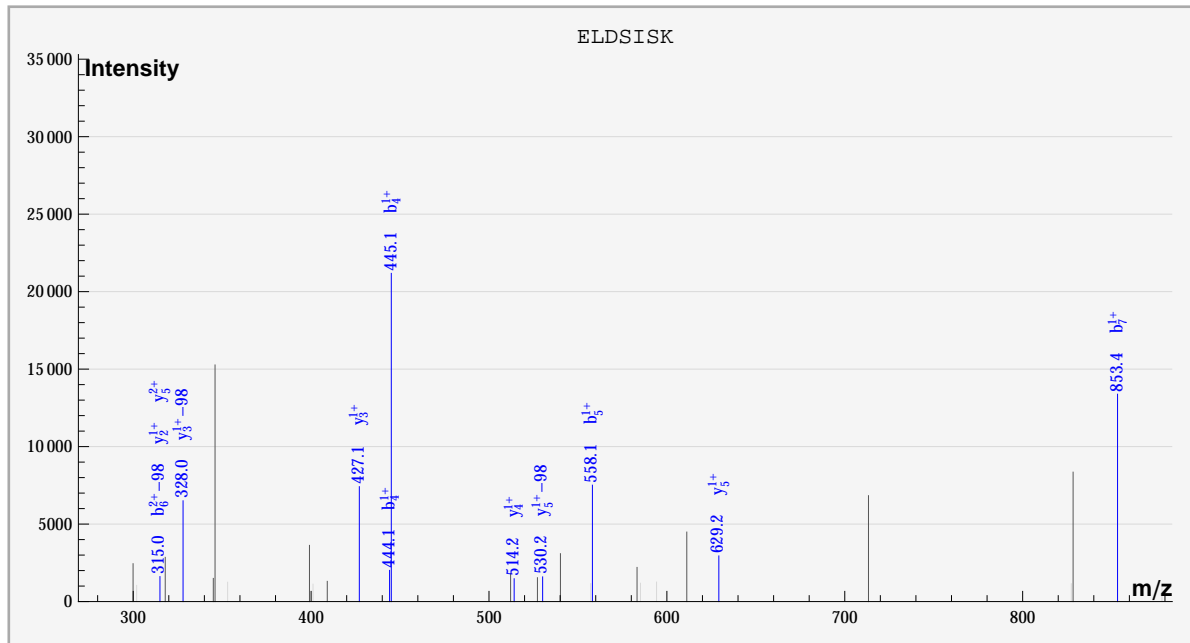
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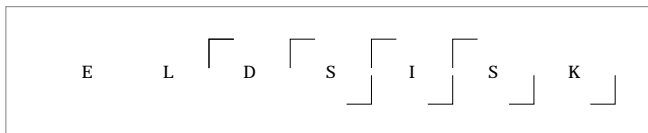
	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



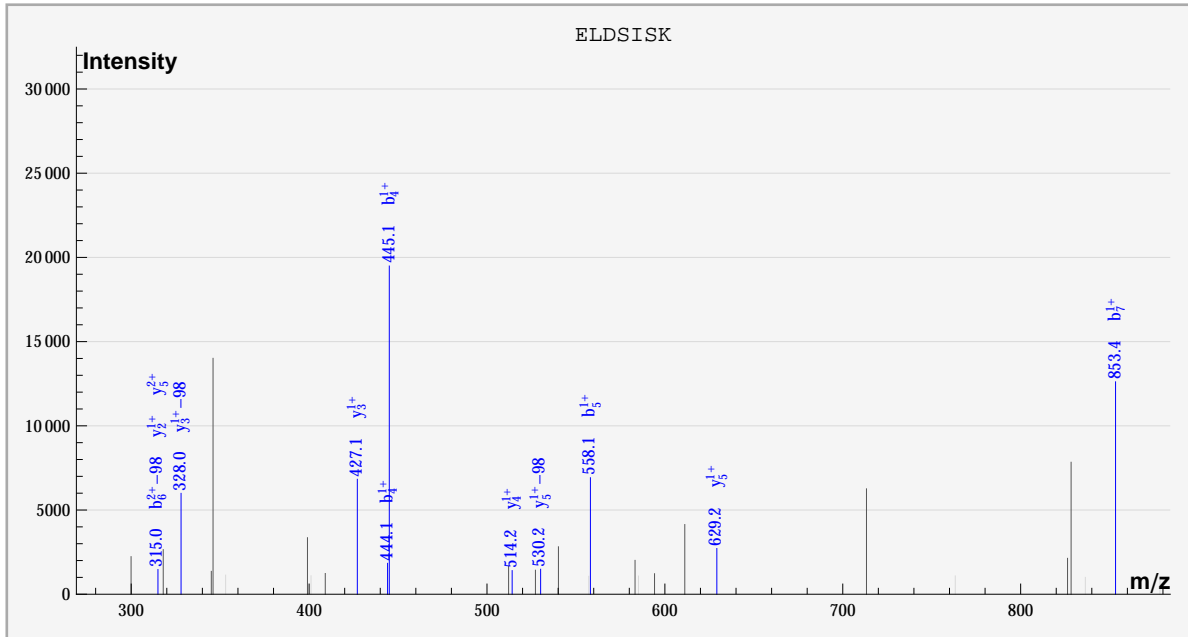
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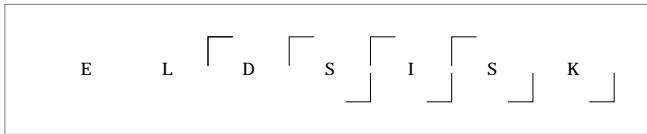
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L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



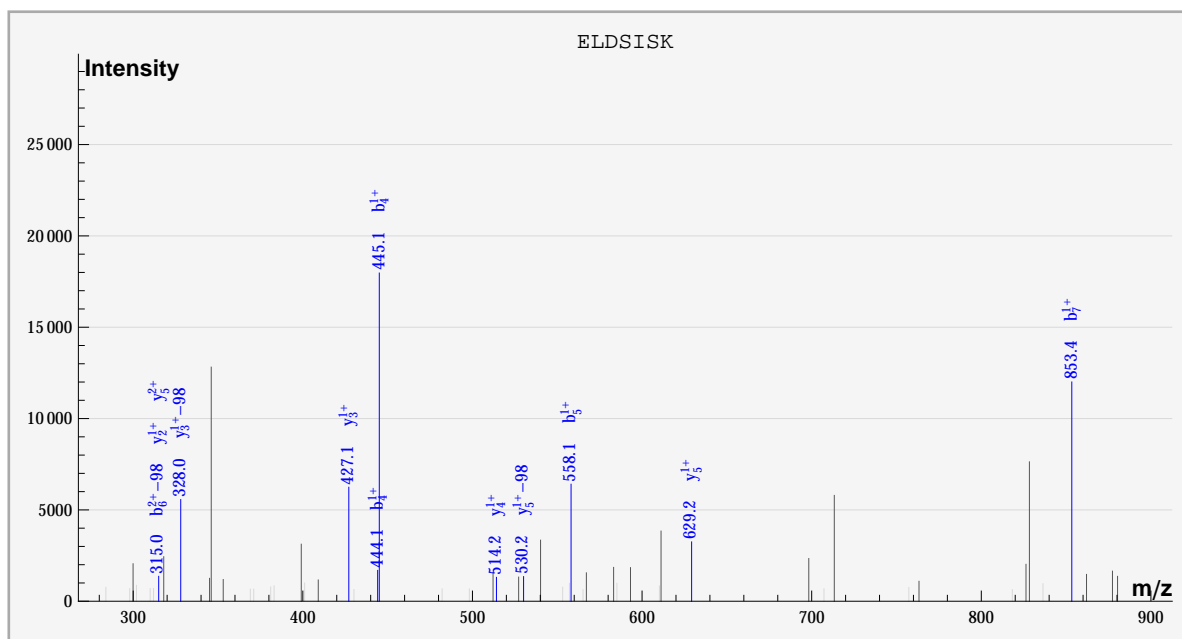
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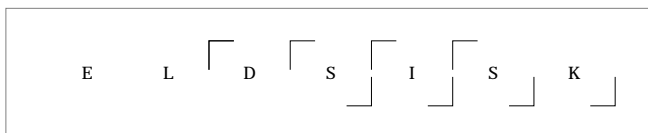
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L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



dbValid true ELD SISK PHOS(1) 1. 873. -1.61918 6.81102 100. ? 2436.  
 S\_Acido\_new%gi68567813|gb|AAY80742.1| ELD SISK%::::::PHOS::%sample\_0%compd\_996



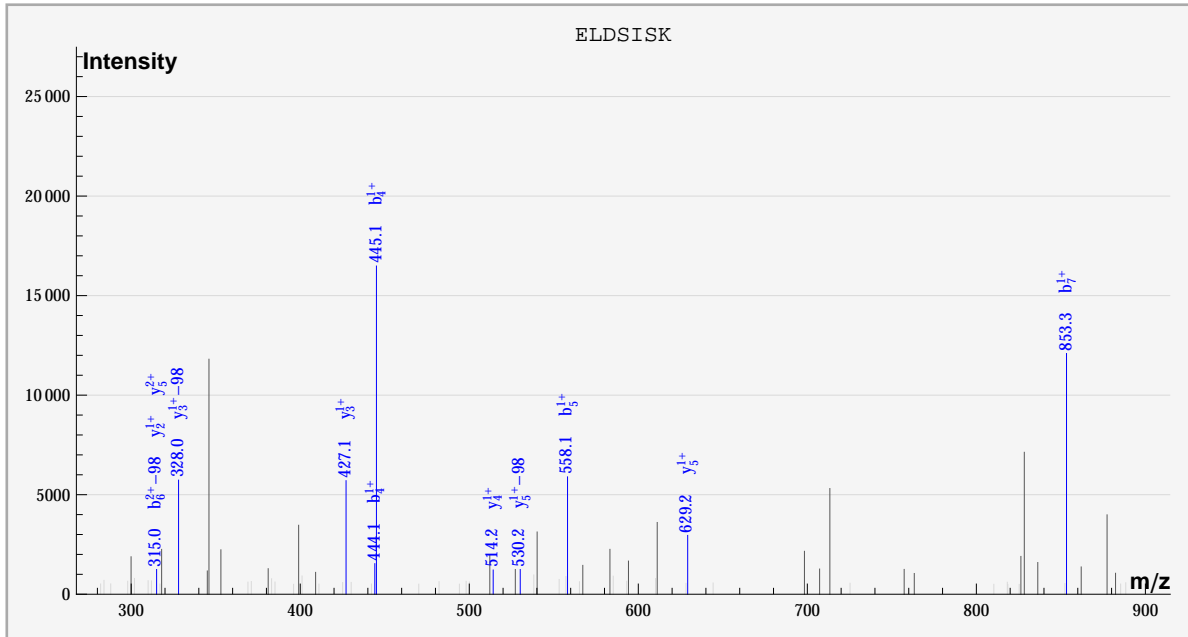
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L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



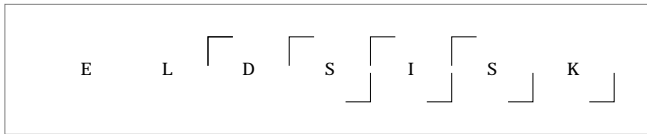


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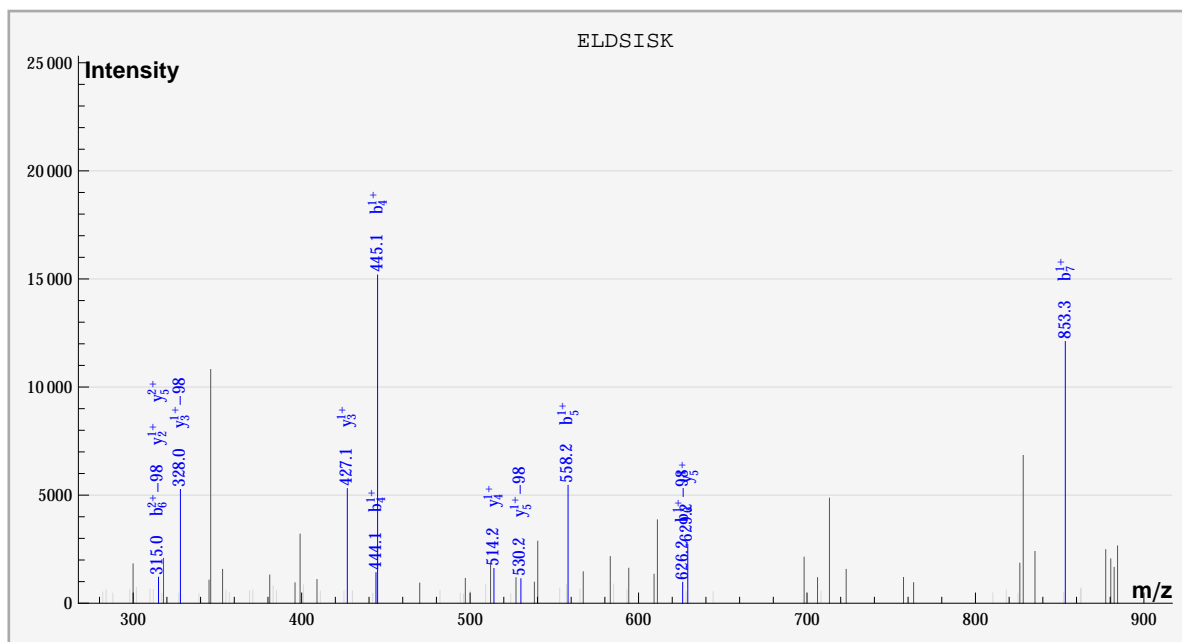
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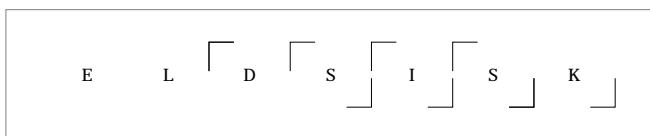
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L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



dbValid true ELDSISK PHOS(1) 1. 873. -1.61918 5.91302 100. ? 2460.  
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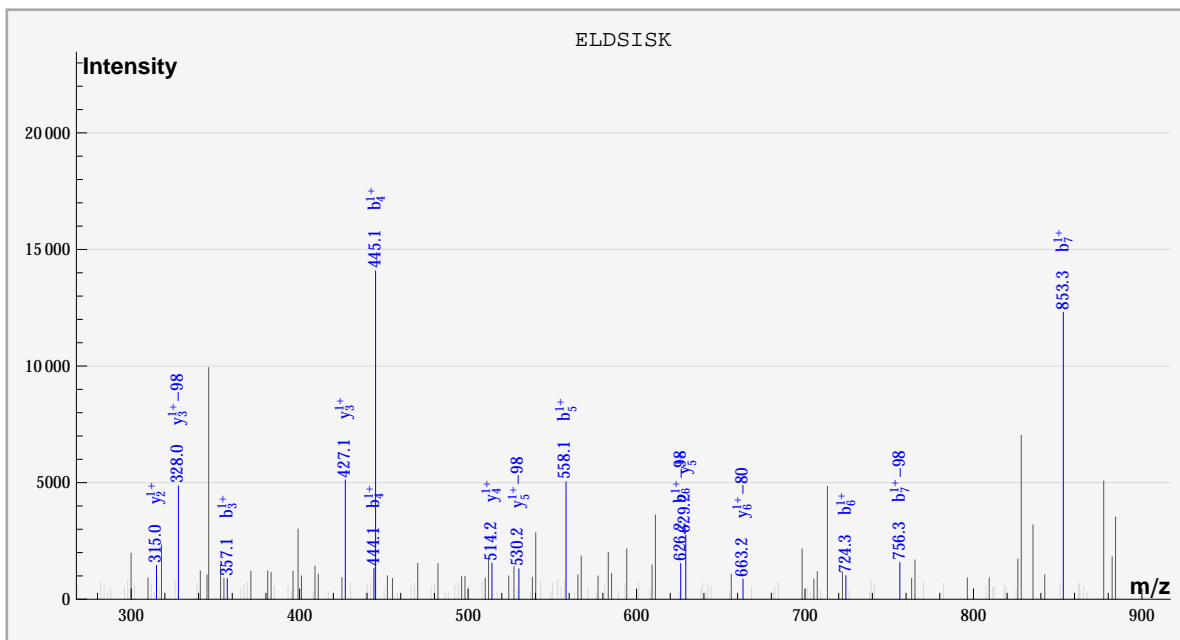


	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6				
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				

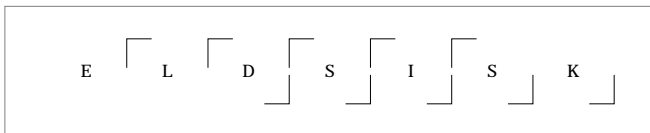


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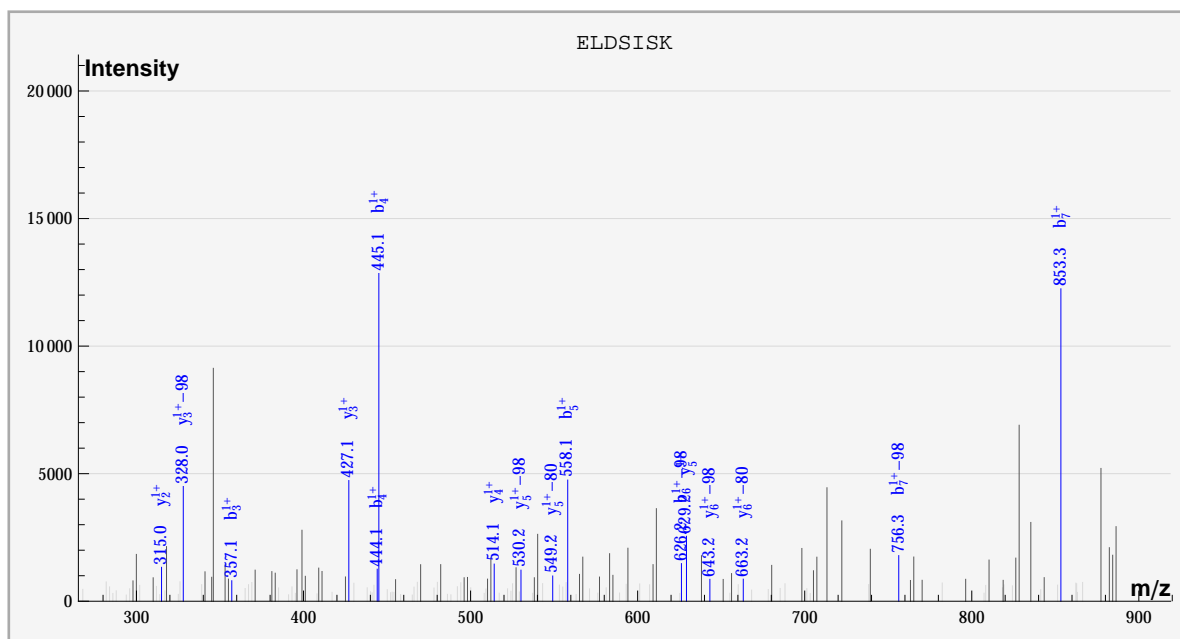
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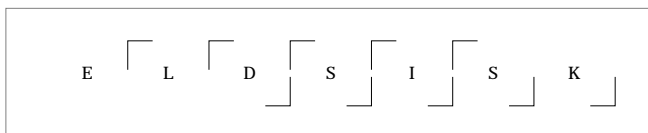
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L	2			6		✓		
D	3	✓		5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6	✓	✓	2	✓			
K	7	✓	✓	1				



dbValid true ELD SISK PHOS(1) 1. 873. -1.61918 5.65881 100. ? 2484.  
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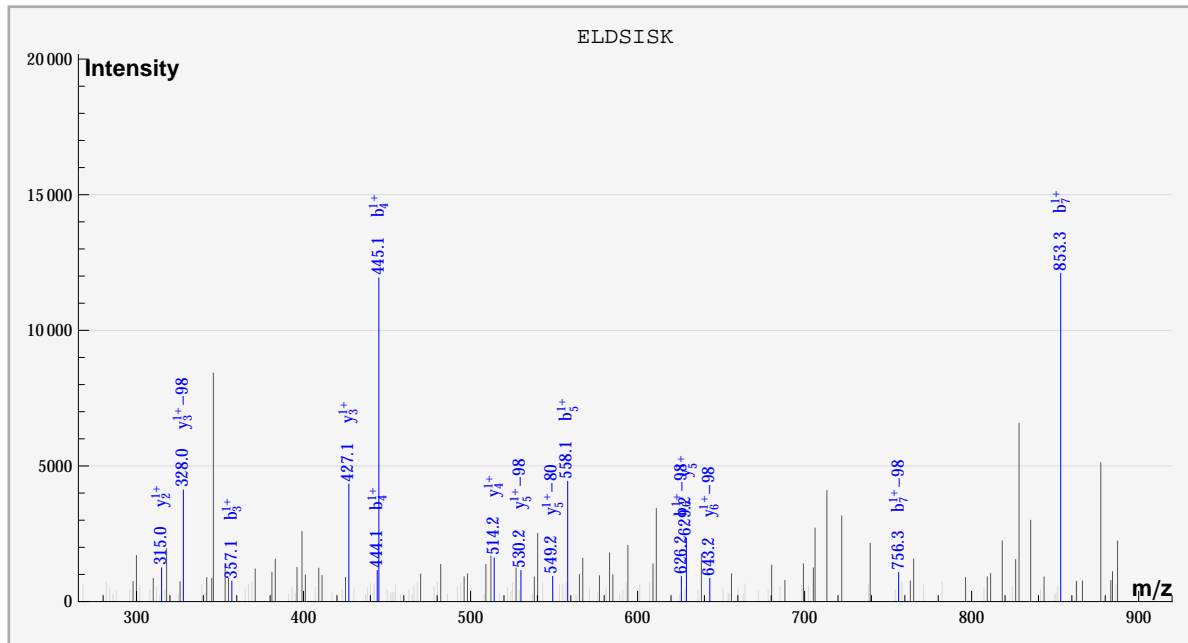


	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6		✓		
D	3	✓		5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓	✓	1				

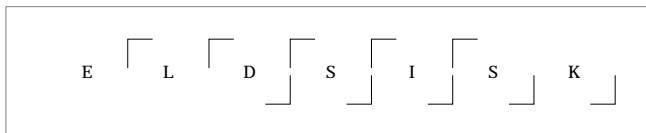


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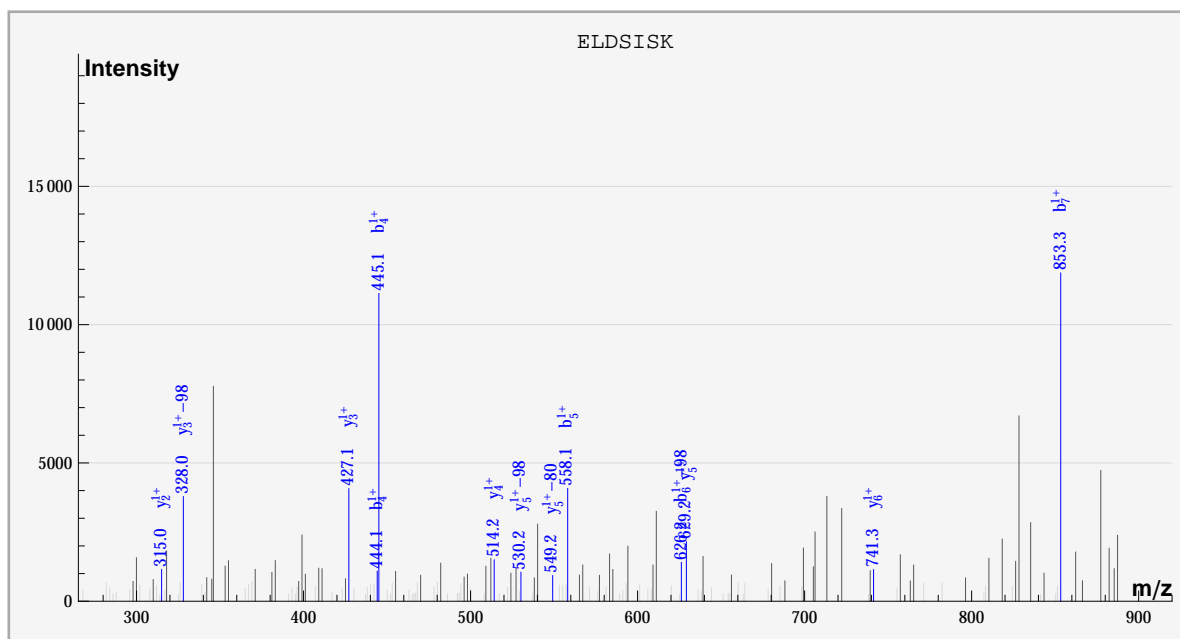
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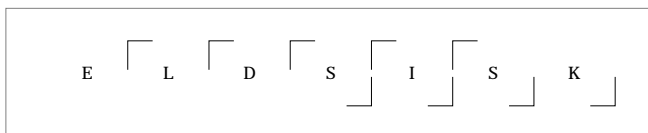
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D	3	✓		5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓	✓	1				



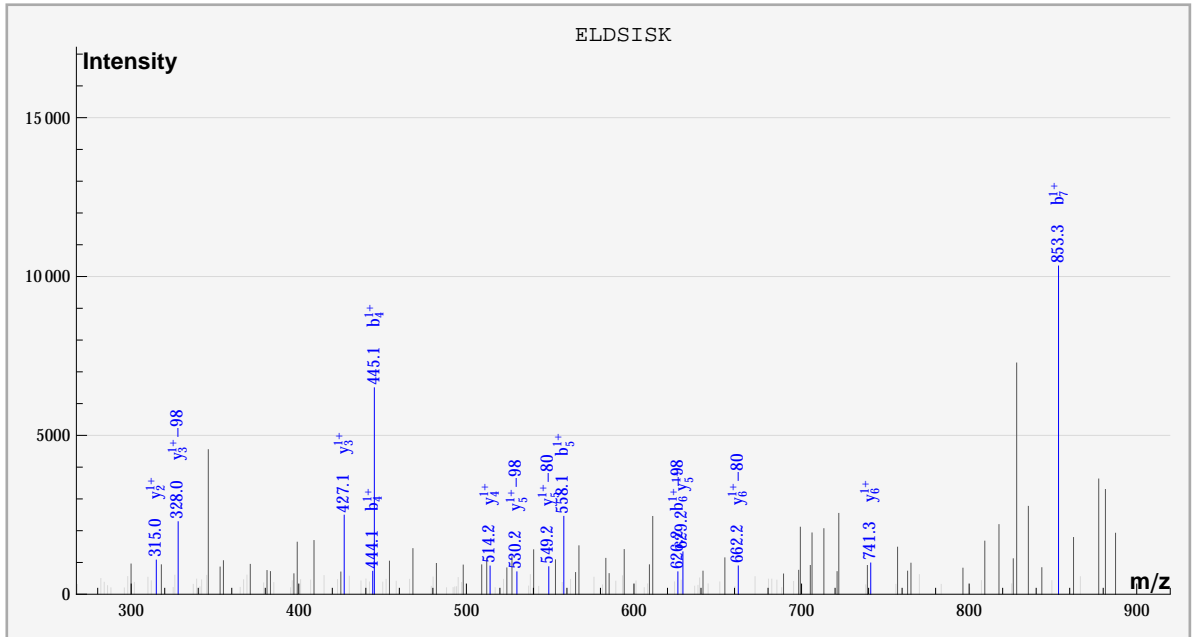
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 S\_Acido\_new%gi|68567813|gb|AAY80742.1| ELSISK%:::PHOS::%sample\_0%compd\_1057



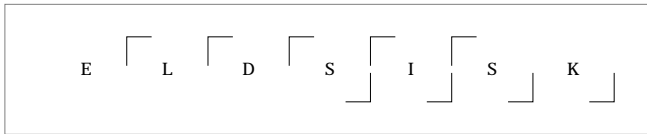
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L	2			6	✓			
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



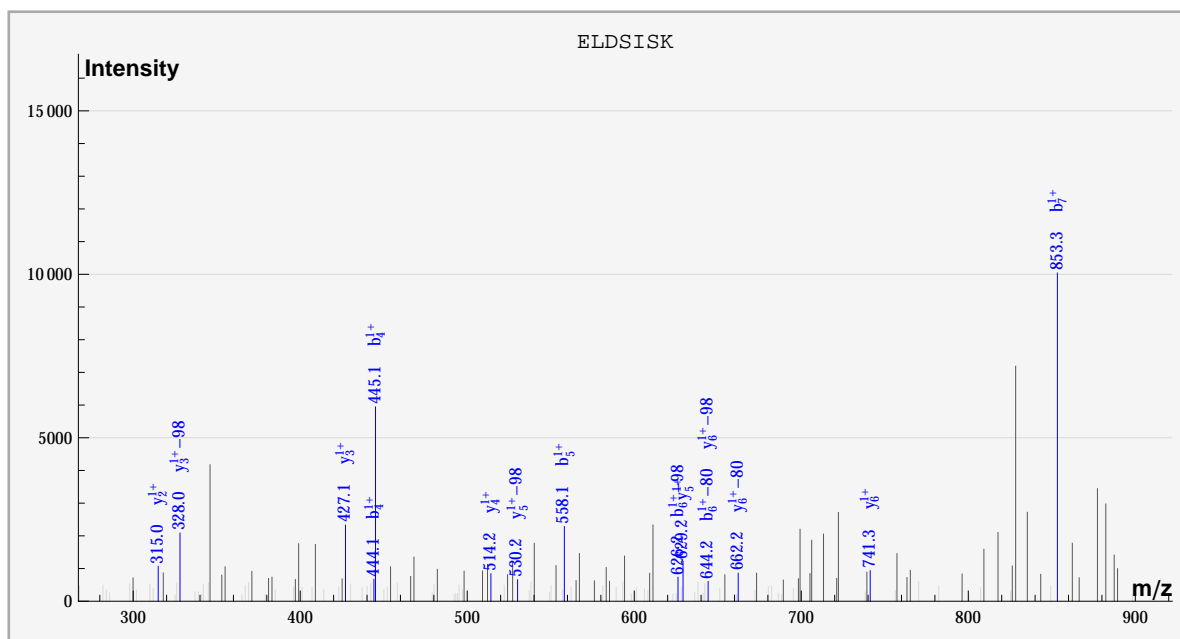
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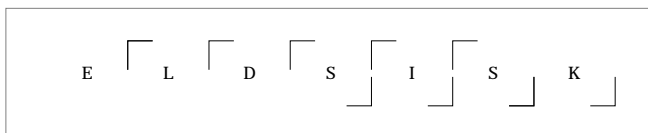
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L	2			6	✓	✓		
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



dbValid true ELDSISK PHOS(1) 1. 873. -1.61918 5.38605 100. ? 2592.  
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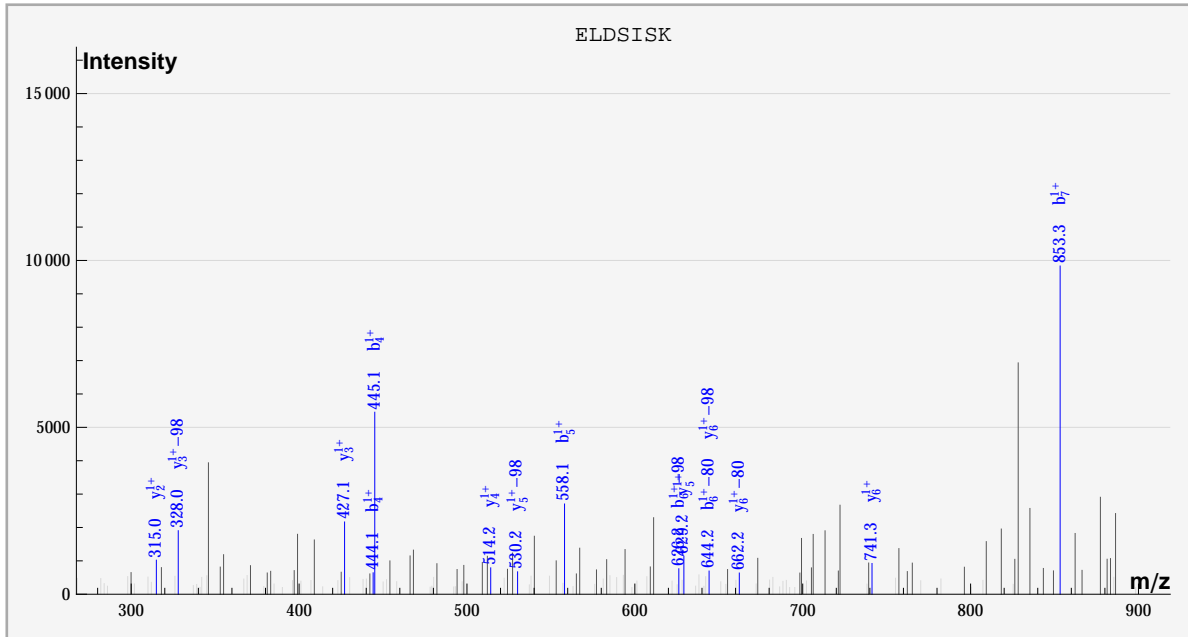
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E	1							
L	2			6	✓	✓		
D	3			5	✓	✓		
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I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



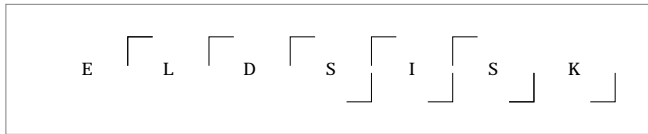


dbValid true ELD SISK PHOS(1) 1. 873. -1.61918 5.48855 100. ? 2604.

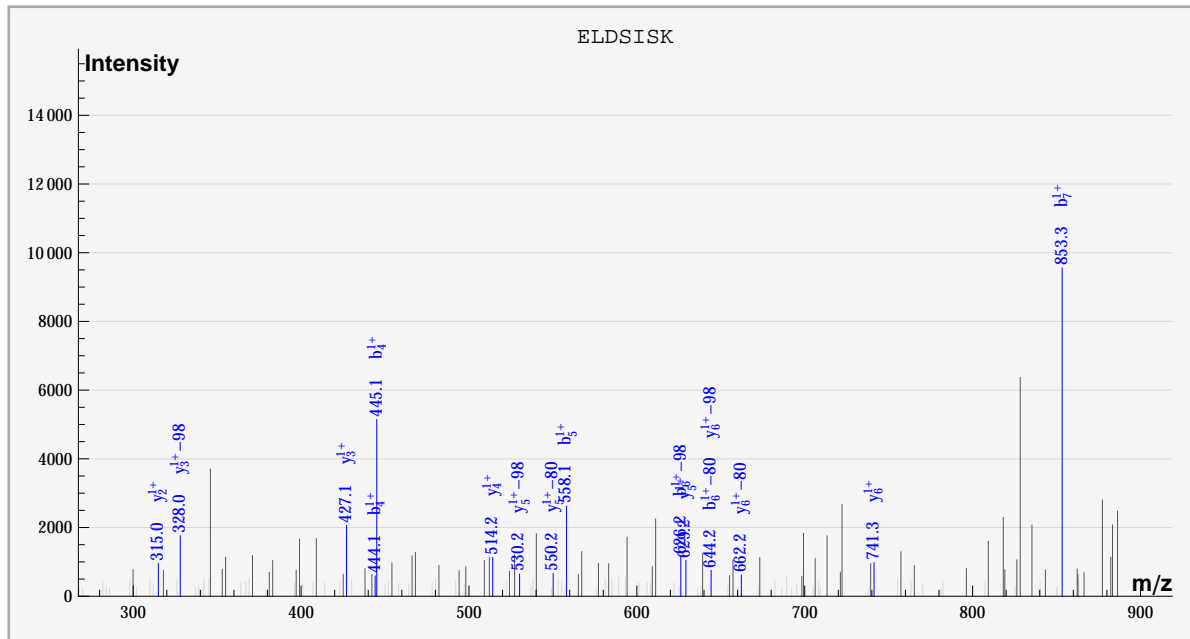
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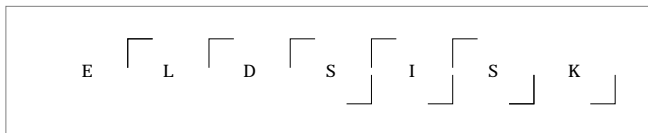
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L	2			6	✓	✓		
D	3			5	✓	✓		
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I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



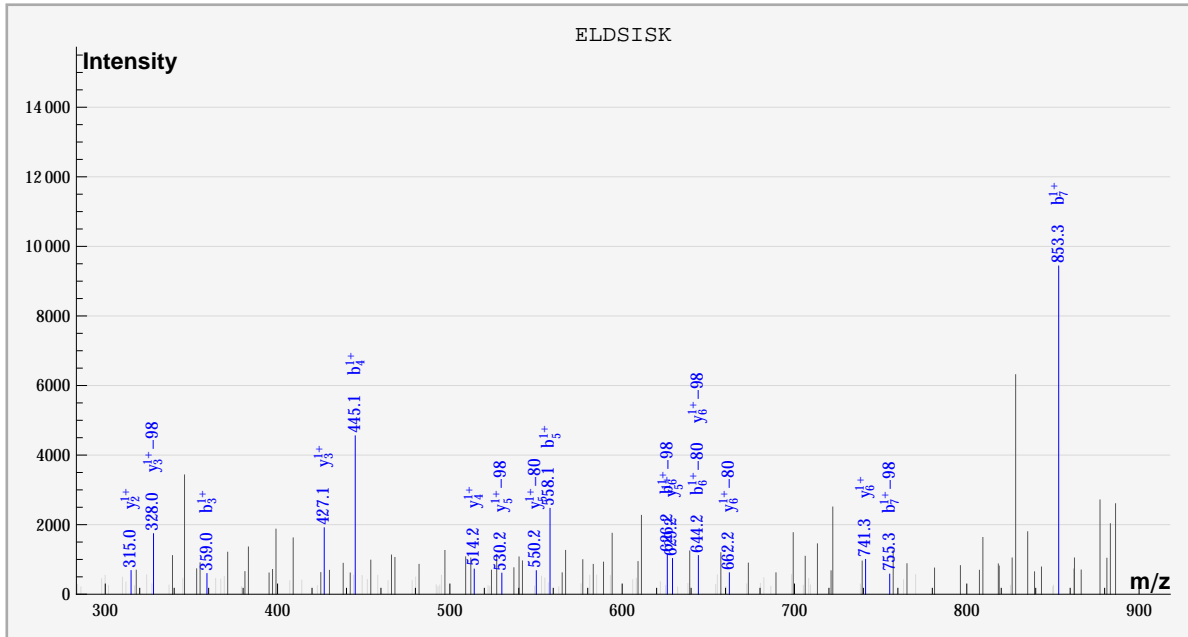
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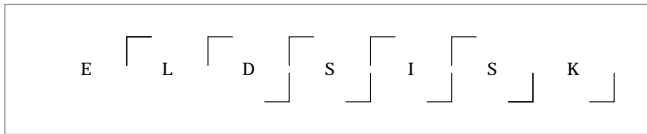
	#	b	b*	#	y	y*	P	P*
E	1							
L	2			6	✓	✓		
D	3			5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓		1				



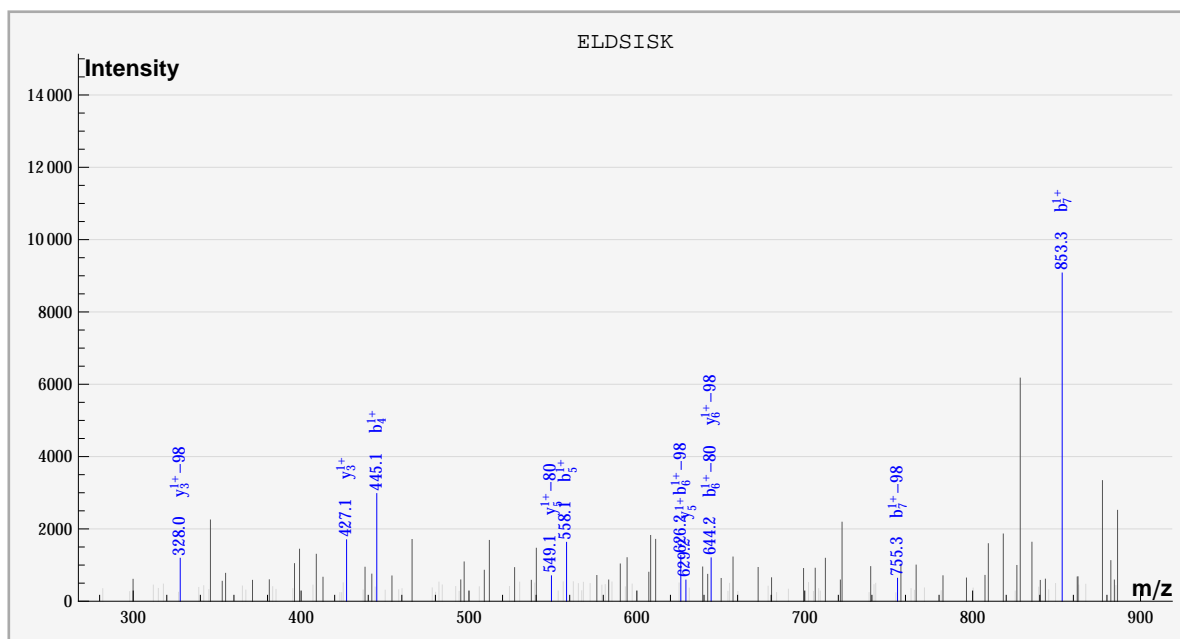
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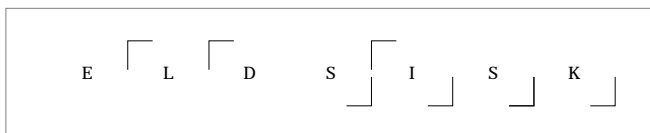
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L	2			6	✓	✓		
D	3	✓		5	✓	✓		
S	4	✓		4	✓			
I	5	✓		3	✓	✓		
S	6		✓	2	✓			
K	7	✓	✓	1				



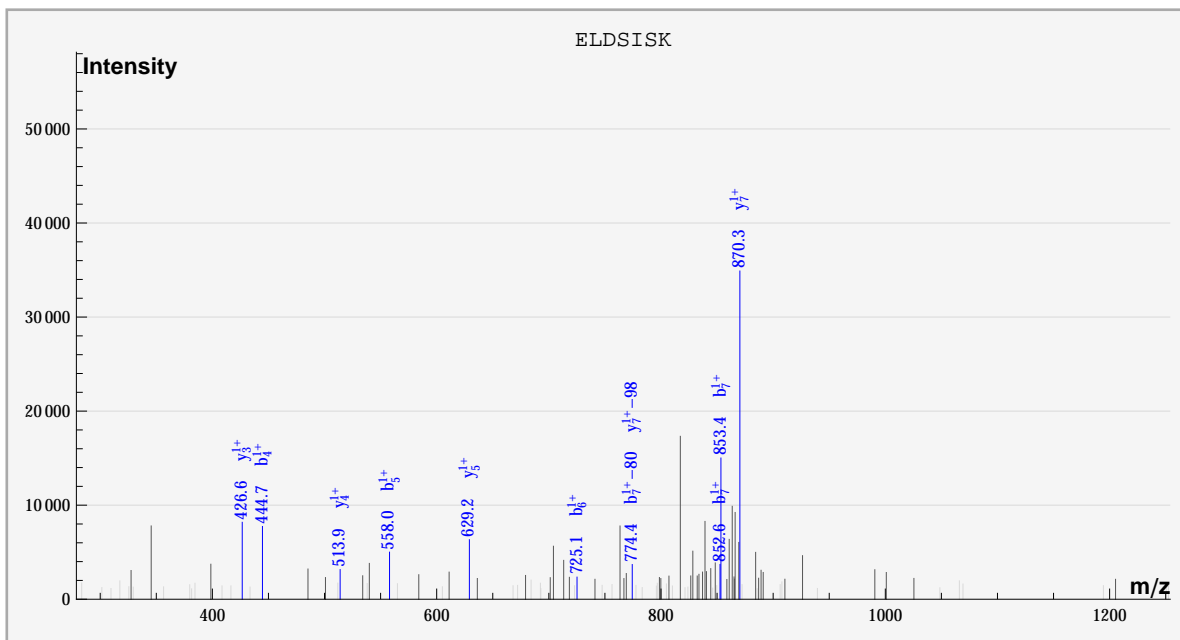
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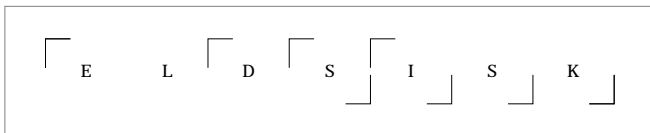
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L	2			6		✓		
D	3			5	✓	✓		
S	4	✓		4				
I	5	✓		3	✓	✓		
S	6		✓	2				
K	7	✓	✓	1				



dbValid true ELD SISK PHOS(1) 1. 873.38 -1.99918 5.61058 100. ? 2214.  
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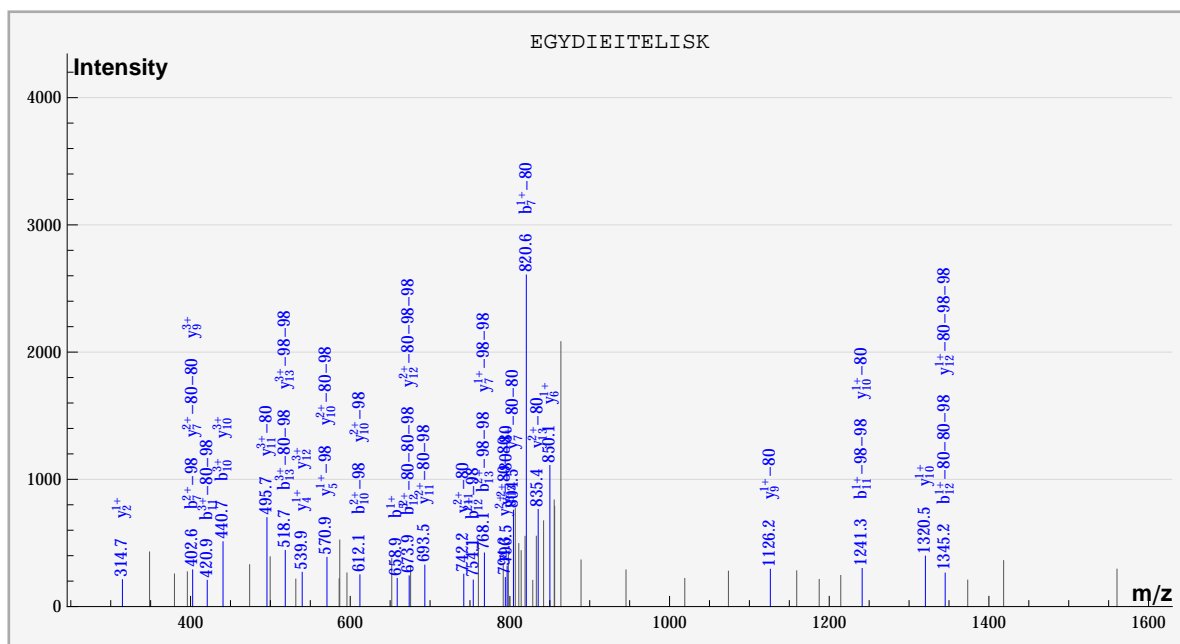


	#	b	b*	#	y	y*	P	P*
E	1						✓	✓
L	2			6				
D	3			5	✓			
S	4	✓		4	✓			
I	5	✓		3	✓			
S	6	✓		2				
K	7	✓	✓	1				



dbValid true EGYDIEITELISK PHOS(3) 2. 874. 1.33722 5.07554 100. ? 1824.

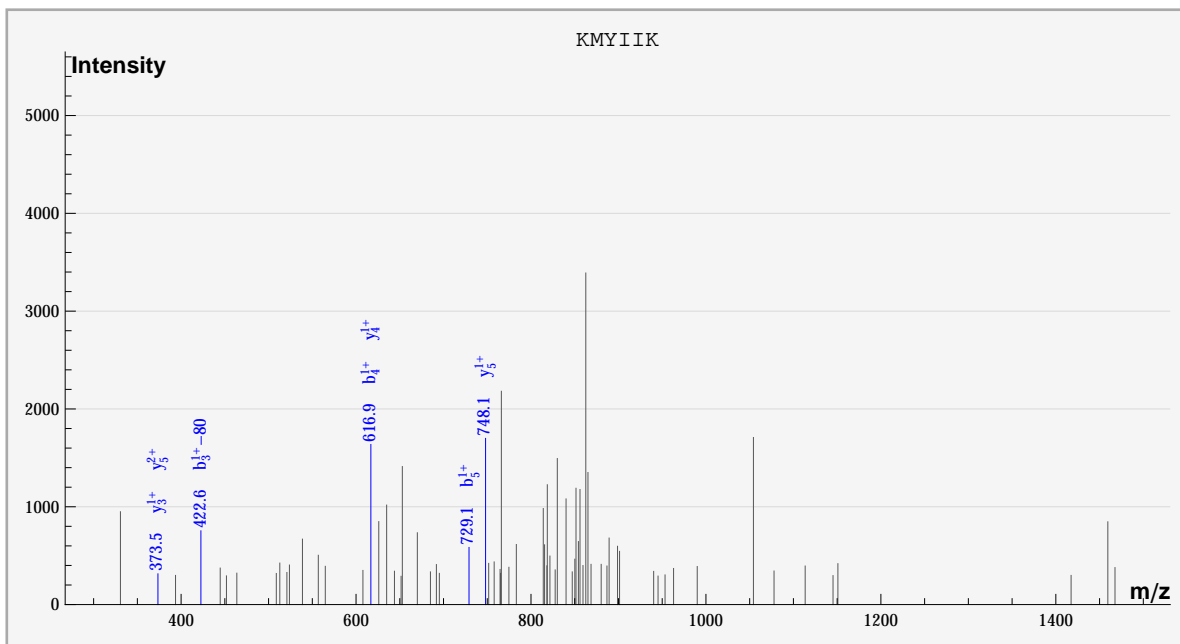
S\_Acido\_new%gi|68567962|gb|AAy80891.1| EGYDIEITELISK%:::PHOS:::PHOS:::PHOS::%sample\_2%compd\_523



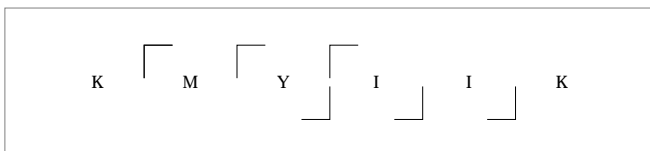
	#	b	b*	#	y	y*	P	P*
E	1							✓
G	2			12	✓	✓		
Y	3			11		✓		
D	4			10	✓	✓		
I	5	✓		9	✓	✓		
E	6			8				
I	7		✓	7		✓		
T	8			6	✓			
E	9			5		✓		
L	10	✓	✓	4	✓			
I	11		✓	3				
S	12		✓	2	✓			
K	13		✓	1				

「 E 」 「 G 」 「 Y 」 「 D 」 「 I 」 「 E 」 「 I 」 「 T 」 「 E 」 「 L 」 「 I 」 「 S 」 「 K 」

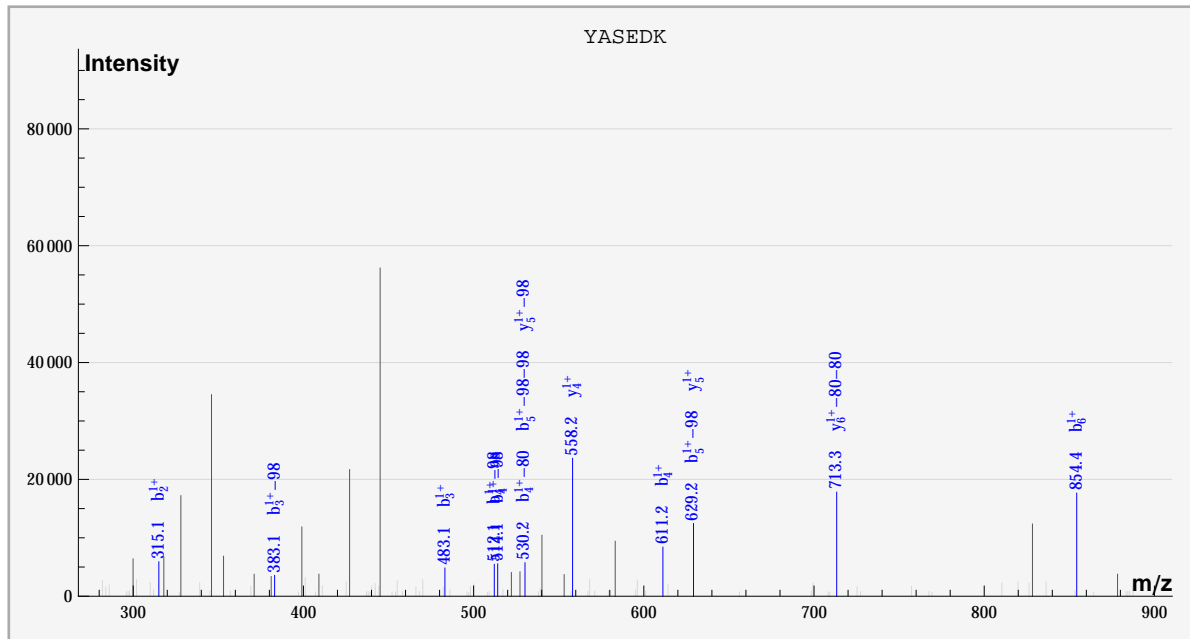
dbValid true KMYIIK PHOS(1) 1. 874. 1.44602 5.22857 100. ? 2166.  
 S\_Acido\_new%gi|68566895|gb|AAY79824.1| KMYIIK%:::PHOS:::%sample\_2%compd\_833



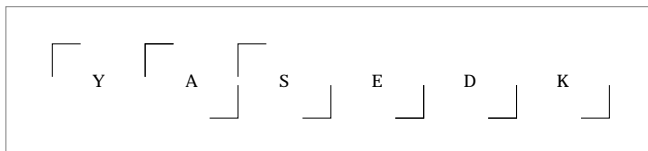
	#	b	b*	#	y	y*	P	P*
K	1							
M	2			5	✓			
Y	3	✓		4	✓			
I	4	✓		3	✓			
I	5	✓		2				
K	6			1				



dbValid true YASEDK PHOS(2) 1. 874. -1.75259 5.18837 100. ? 2316.  
 S\_Acido\_new%gi|68567162|gb|AAY80091.1| YASEDK%:PHOS::PHOS:::sample\_0%cmpd\_894

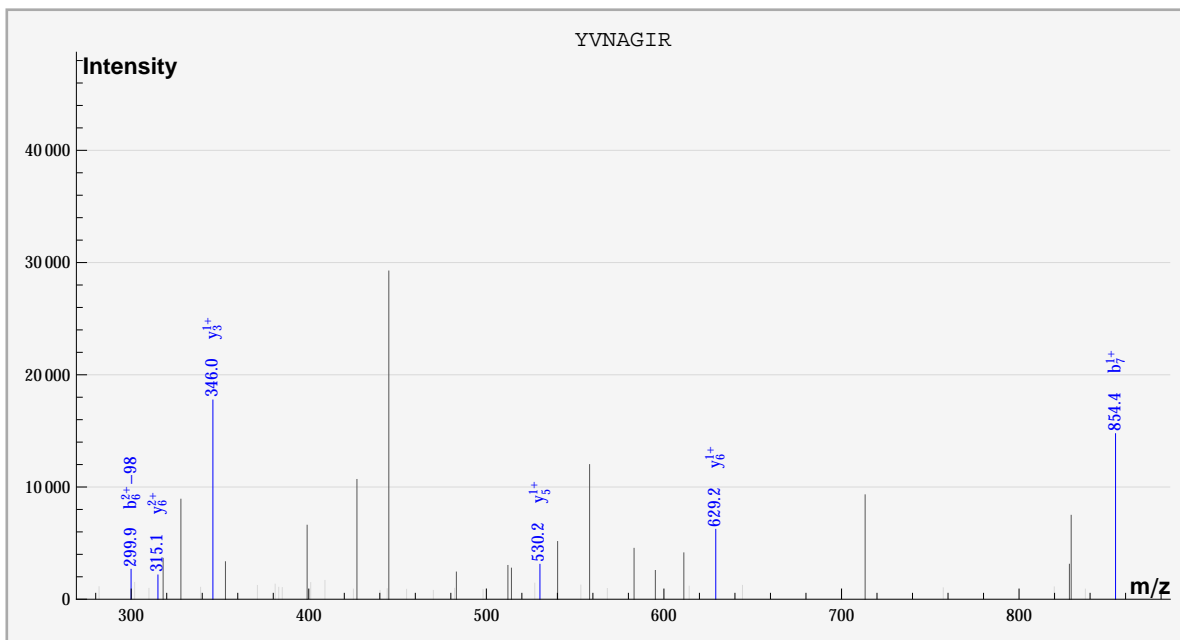


	#	b	b*	#	y	y*	P	P*
Y	1							✓
A	2	✓		5	✓	✓		
S	3	✓	✓	4	✓			
E	4	✓	✓	3				
D	5		✓	2				
K	6	✓		1				

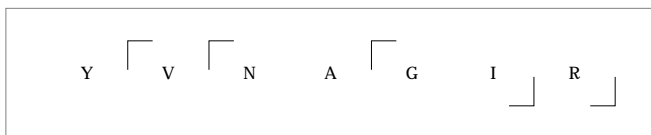




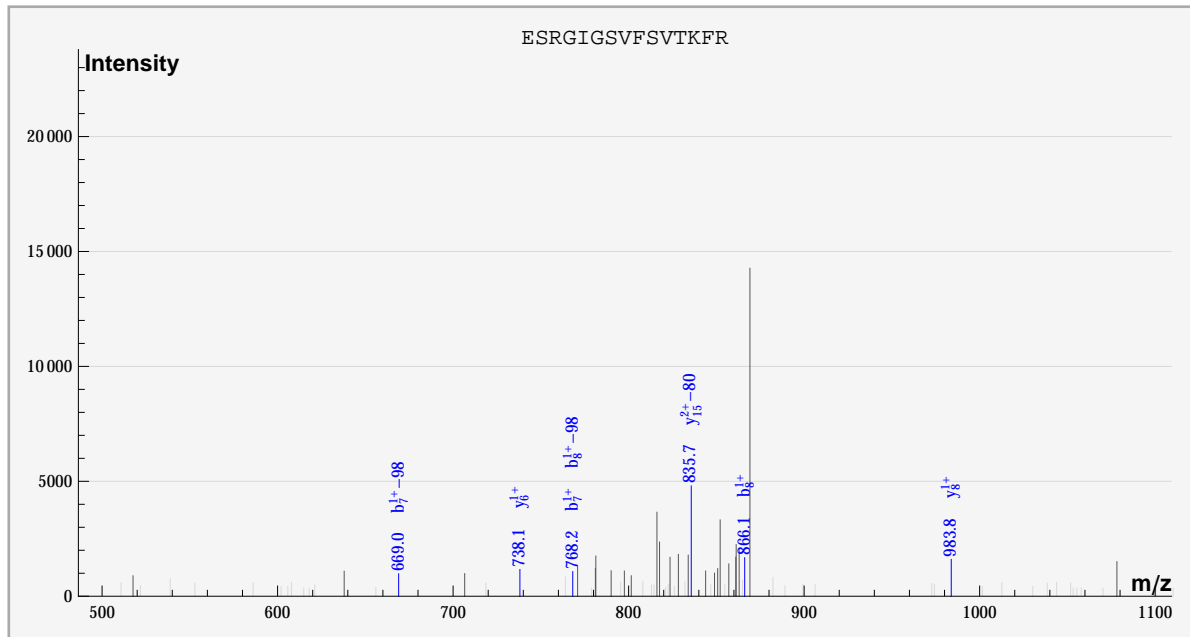
dbValid true YVNAGIR PHOS(1) 1. 874. -1.59744 5.41365 100. ? 2412.  
 S\_Acido\_new%gi|68568023|gb|AAY80952.1| YVNAGIR%:PHOS::::::%sample\_0%compd\_975



	#	b	b*	#	y	y*	P	P*
Y	1							
V	2			6	✓			
N	3			5	✓			
A	4			4				
G	5			3	✓			
I	6	✓		2				
R	7	✓		1				



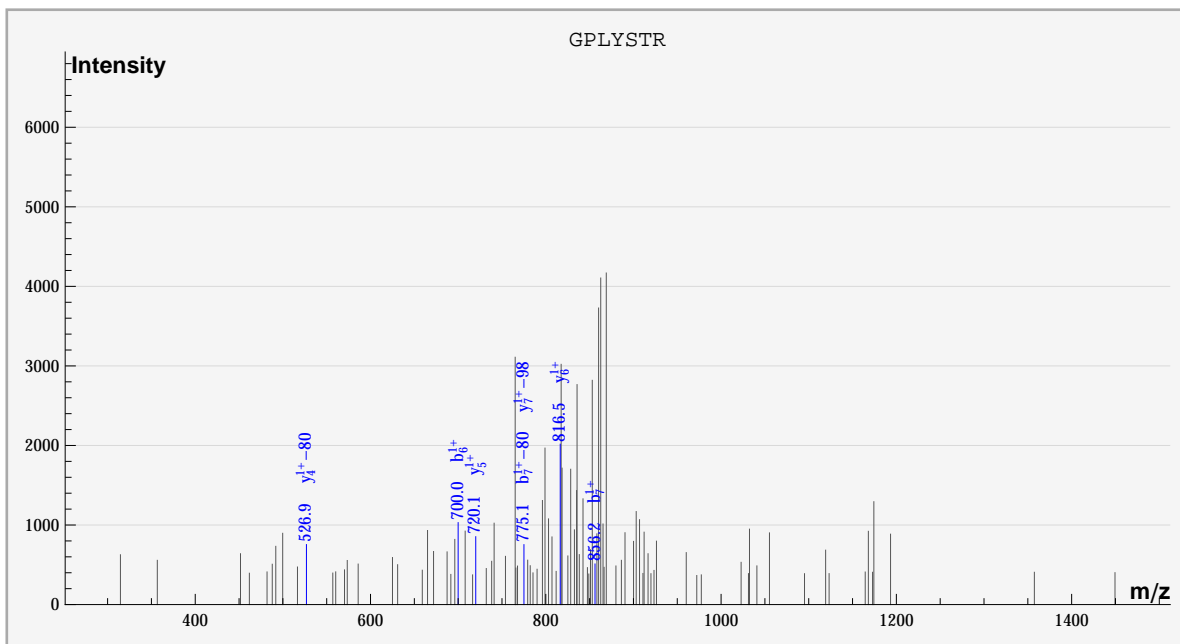
dbValid true ESRGIGSVFSVTKFR PHOS(1) 2. 874. 1.4378 5.14888 100. ? 2664.  
 S\_Acido\_new%gi|68568343|gb|AAY81272.1| ESRGIGSVFSVTKFR%::PHOS:.....%sample\_2%compd\_1287



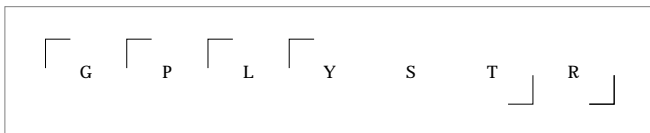
	#	b	b*	#	y	y*	P	P*
E	1							✓
S	2			14				
R	3			13				
G	4			12				
I	5			11				
G	6			10				
S	7	✓	✓	9				
V	8	✓	✓	8	✓			
F	9			7				
S	10			6	✓			
V	11			5				
T	12			4				
K	13			3				
F	14			2				
R	15			1				

ESRIGSVFSVTKFR

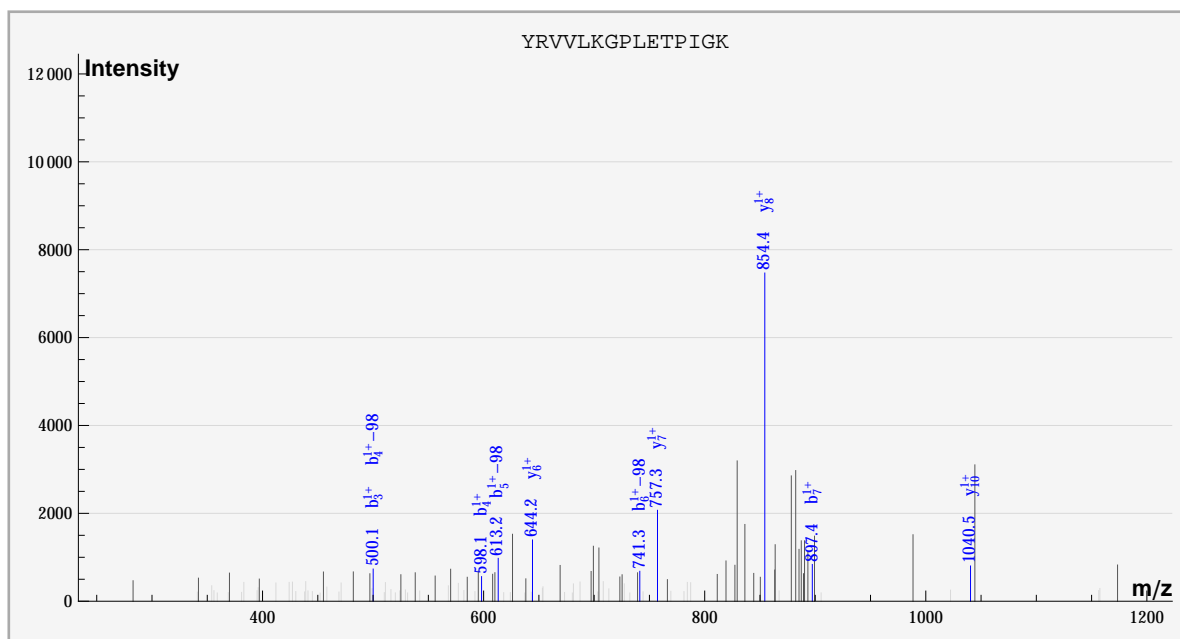
dbValid true GPLYSTR PHOS(1) 1. 874. -0.613415 5.02673 100. ? 2712.  
 S\_Acido\_new%gi|68568518|gb|AAY81447.1| GPLYSTR%::::::PHOS::%sample\_2%cmpd\_1332



	#	b	b*	#	y	y*	P	P*
G	1							✓
P	2			6	✓			
L	3			5	✓			
Y	4			4		✓		
S	5			3				
T	6	✓		2				
R	7	✓	✓	1				



dbValid true YRVVLKGPLETEPIGK PHOS(1) 2. 874. 1.48675 5.11449 100. ? 3162.  
 S\_Acido\_new%gi68568724|gb|AAY81653.1| YRVVLKGPLETEPIGK%:PHOS:::.....%sample\_0%cmpd\_1595

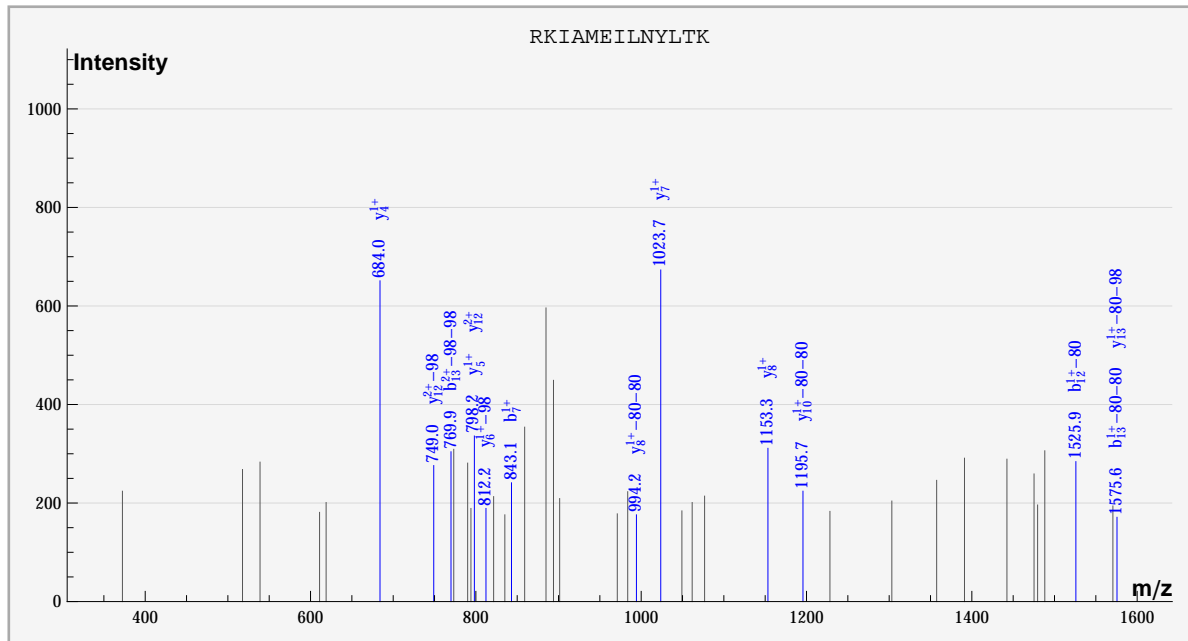


	#	b	b*	#	y	y*	P	P*
Y	1							
R	2			14				
V	3	✓		13				
V	4	✓	✓	12				
L	5		✓	11				
K	6		✓	10	✓			
G	7	✓		9				
P	8			8	✓			
L	9			7	✓			
E	10			6	✓			
T	11			5				
P	12			4				
I	13			3				
G	14			2				
K	15			1				

Y R V V L K G P L E T P I G K

dbValid true RKIAMEILNYLTK PHOS(2) 2. 875. 1.92957 5.08299 100. ? 4434.

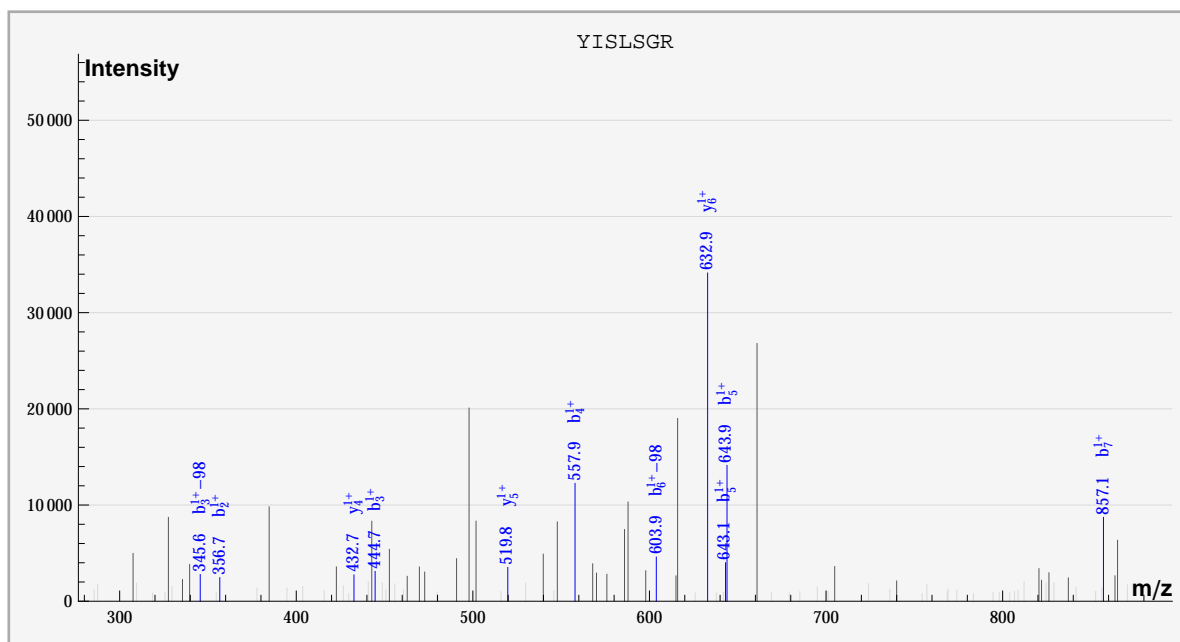
S\_Acido\_new%gi|68566567|gb|AA79496.1| RKIAMEILNYLTK%:::PHOS::PHOS::%sample\_2%compd\_2908



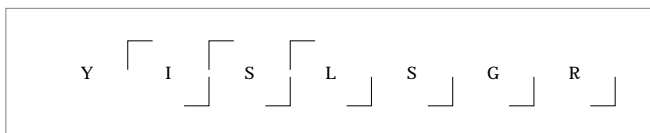
	#	b	b*	#	y	y*	P	P*
R	1							✓
K	2			12	✓	✓		
I	3			11				
A	4			10		✓		
M	5			9				
E	6			8	✓	✓		
I	7	✓		7	✓			
L	8			6		✓		
N	9			5	✓			
Y	10			4	✓			
L	11			3				
T	12		✓	2				
K	13		✓	1				

「 R 「 K I 「 A M 「 E 「 I 」 L 「 N 「 Y L T 」 K 」

dbValid true YISLSGR PHOS(1) 1. 876. -0.597765 5.70368 100. ? 2202.  
 S\_Acido\_new%gi|68568673|gb|AAY81602.1| YISLSGR%:PHOS:::sample\_2%compd\_869

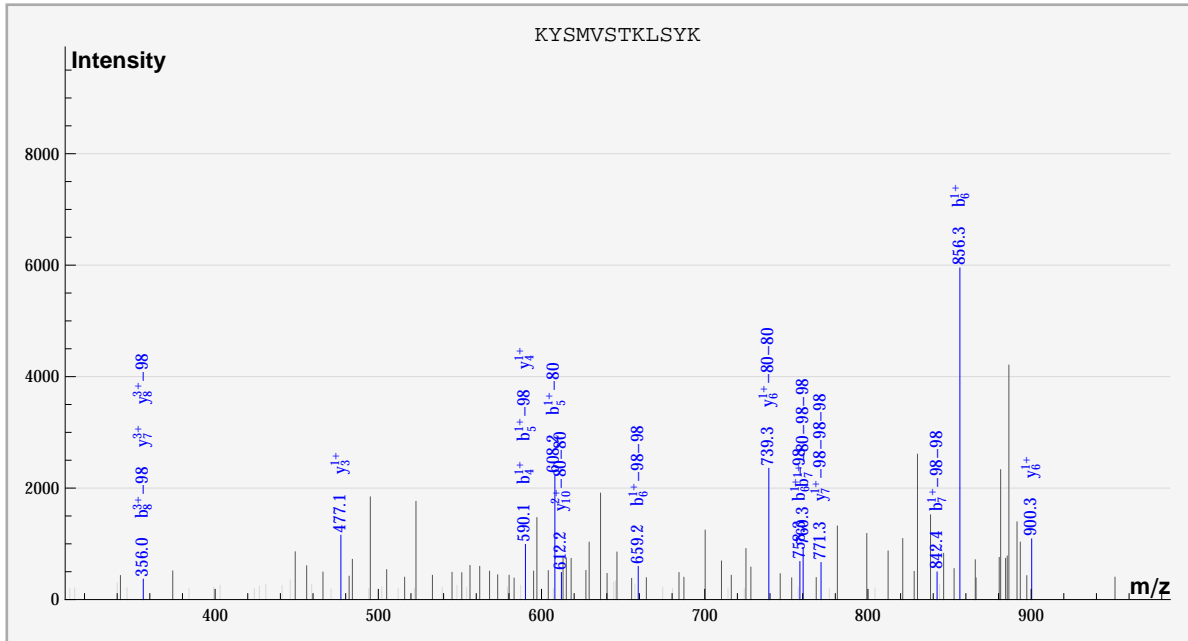


	#	b	b*	#	y	y*	P	P*
Y	1							
I	2	✓		6	✓			
S	3	✓	✓	5	✓			
L	4	✓		4	✓			
S	5	✓		3				
G	6		✓	2				
R	7	✓		1				



dbValid true KYSMVSTKLSYK PHOS(4) 2. 876. 1.8193 5.25214 100. ? 3006.

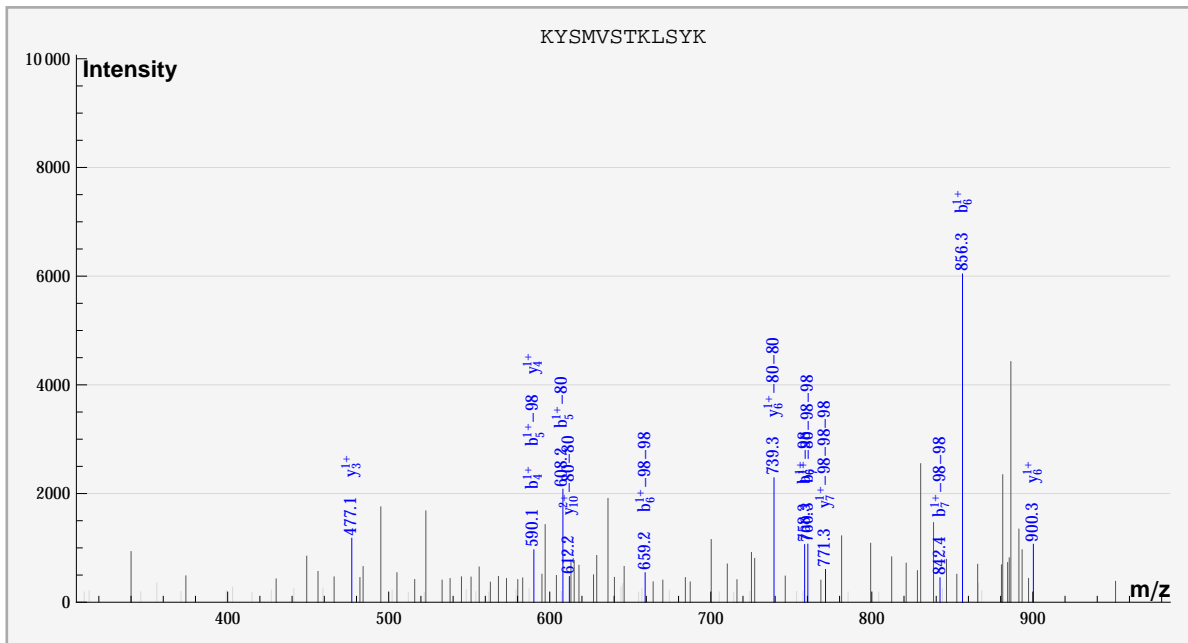
S\_Acido\_new%gi|68568081|gb|AA81010.1| KYSMVSTKLSYK::PHOS::PHOS:PHOS::PHOS::%sample\_0%compd\_1463



	#	b	b*	#	y	y*	P	P*
K	1							
Y	2			11				
S	3			10		✓		
M	4	✓		9				
V	5		✓	8		✓		
S	6	✓	✓	7	✓	✓		
T	7		✓	6	✓	✓		
K	8		✓	5				
L	9			4	✓			
S	10			3	✓			
Y	11			2				
K	12			1				

K Y [ S M [ V [ S [ T ] K [ L [ S Y K

dbValid true KYSMVSTKLSYK PHOS(4) 2. 876. 1.8193 5.73377 100. ? 3018.  
 S\_Acido\_new%gi|68568081|gb|AA81010.1| KYSMVSTKLSYK%::PHOS::PHOS:PHOS::PHOS::%sample\_0%cmpd\_1473

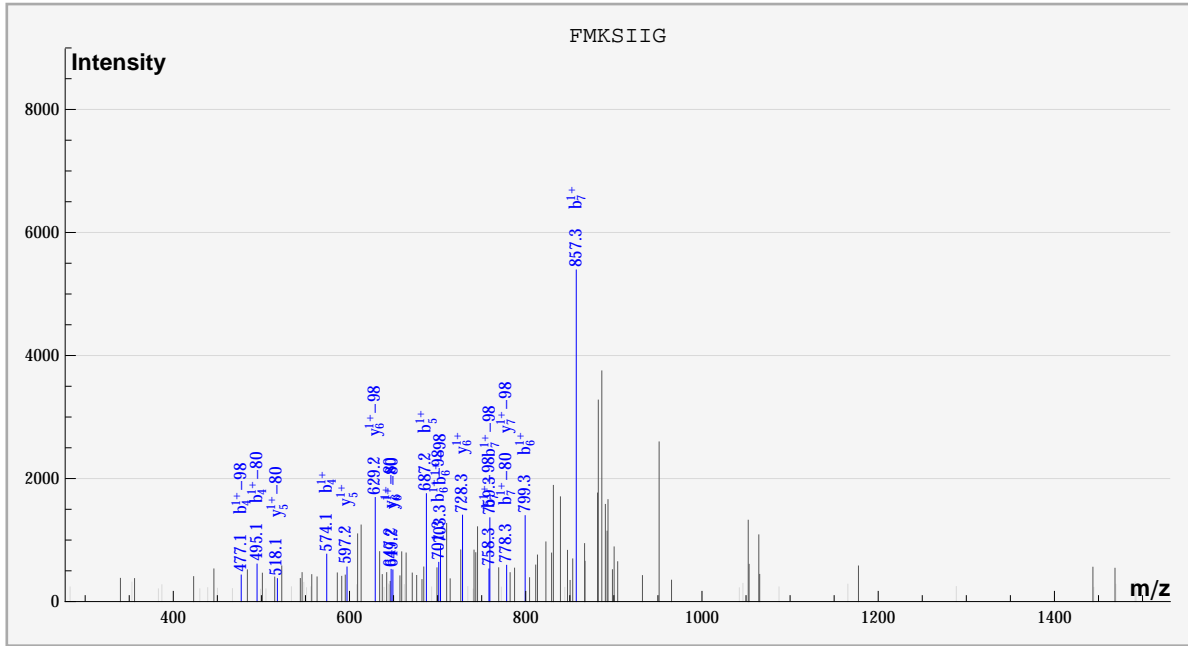


	#	b	b*	#	y	y*	P	P*
K	1							
Y	2			11				
S	3			10		✓		
M	4	✓		9				
V	5		✓	8				
S	6	✓	✓	7		✓		
T	7		✓	6	✓	✓		
K	8			5				
L	9			4	✓			
S	10			3	✓			
Y	11			2				
K	12			1				

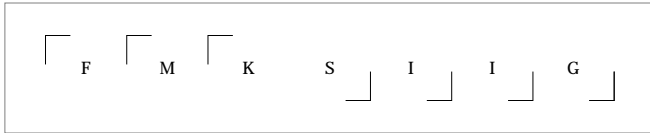
K Y [ S M ] V [ S ] [ T ] K [ L ] [ S ] Y K



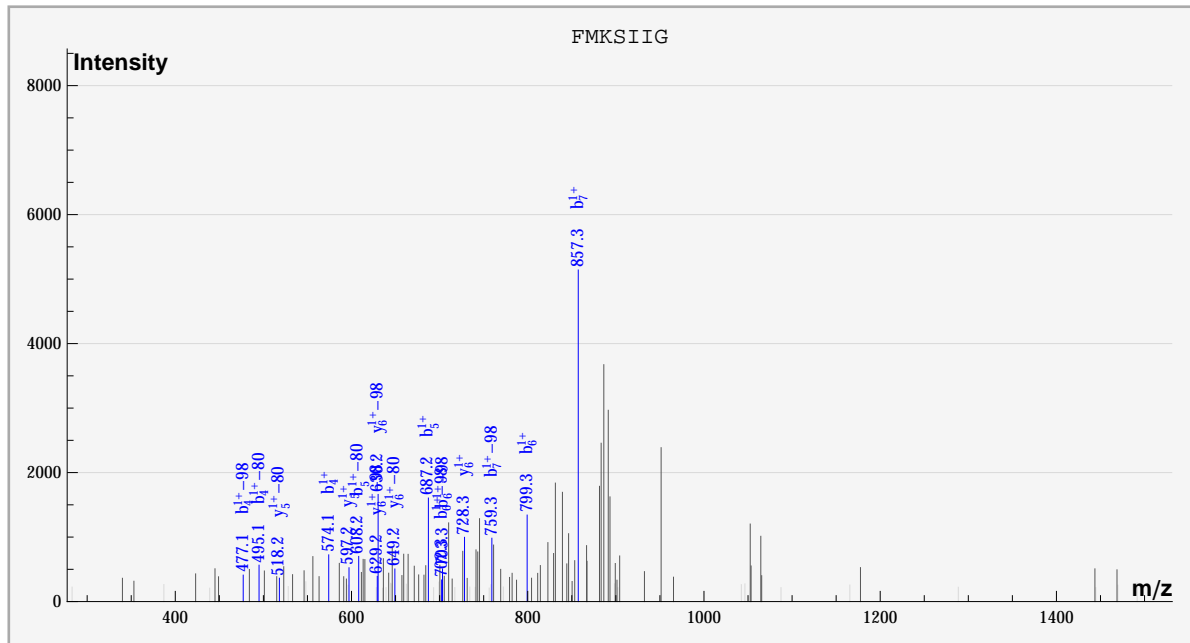
dbValid true FMKSIIG PHOS(1) 1. 877. -1.59038 5.26375 100. ? 3126.  
 S\_Acido\_new%gi|68568613|gb|AAY81542.1| FMKSIIG%:::PHOS:::%sample\_0%compd\_1567



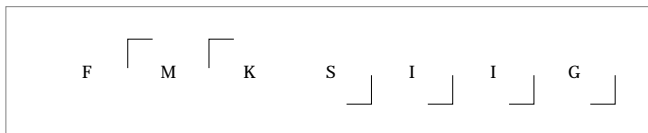
	#	b	b*	#	y	y*	P	P*
F	1							✓
M	2			6	✓	✓		
K	3			5	✓	✓		
S	4	✓	✓	4				
I	5	✓		3				
I	6	✓	✓	2				
G	7	✓	✓	1				



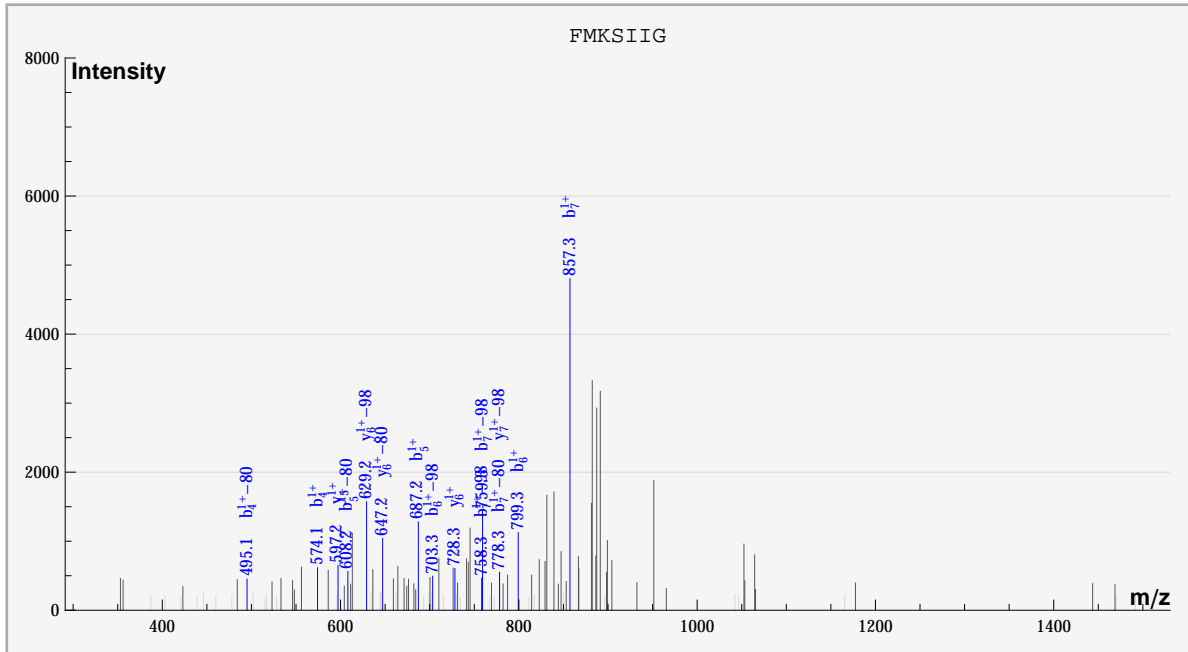
dbValid true FMKSIIG PHOS(1) 1. 877. -1.59038 5.51905 100. ? 3138.  
 S\_Acido\_new%gi|68568613|gb|AAY81542.1| FMKSIIG%:::PHOS:::%sample\_0%compd\_1577



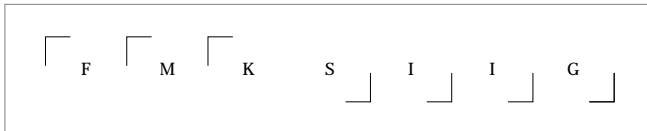
	#	b	b*	#	y	y*	P	P*
F	1							
M	2			6	✓	✓		
K	3			5	✓	✓		
S	4	✓	✓	4				
I	5	✓	✓	3				
I	6	✓	✓	2				
G	7	✓	✓	1				



dbValid true FMKSIIG PHOS(1) 1. 877. -1.59038 5.25652 100. ? 3180.  
 S\_Acido\_new%gi|68568613|gb|AAY81542.1| FMKSIIG%:::PHOS:::%sample\_0%compd\_1609

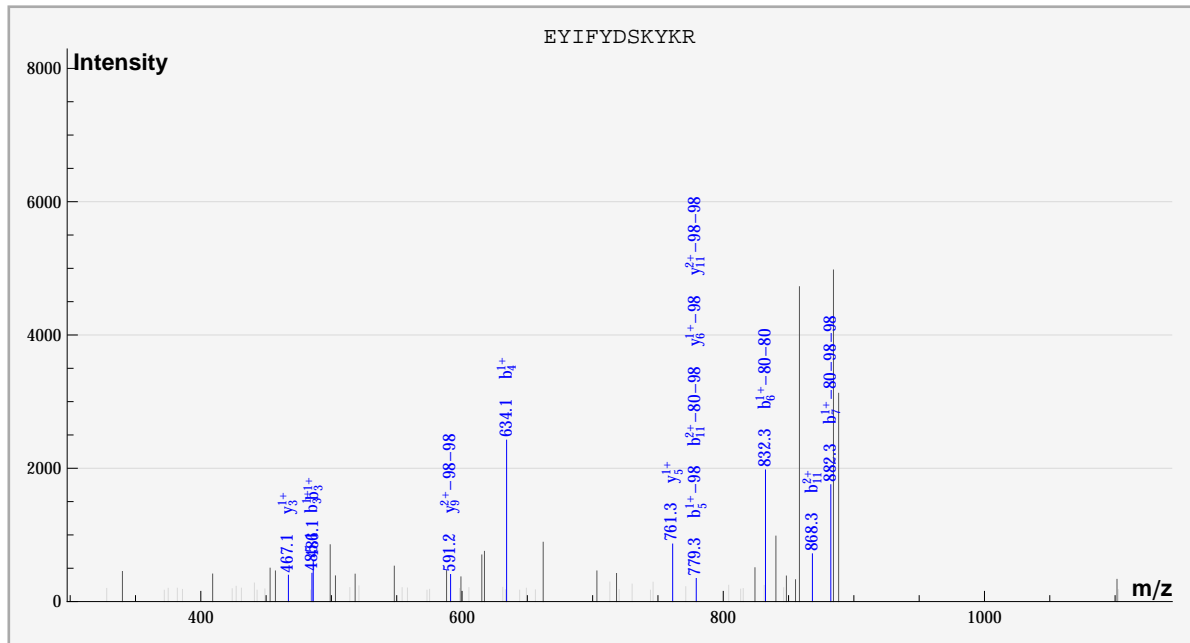


	#	b	b*	#	y	y*	P	P*
F	1							✓
M	2			6	✓	✓		
K	3			5	✓			
S	4	✓	✓	4				
I	5	✓	✓	3				
I	6	✓	✓	2				
G	7	✓	✓	1				



dbValid true EYIFYDSKYKR PHOS(3) 2. 878. -1.67046 5.19885 100. ? 2586.

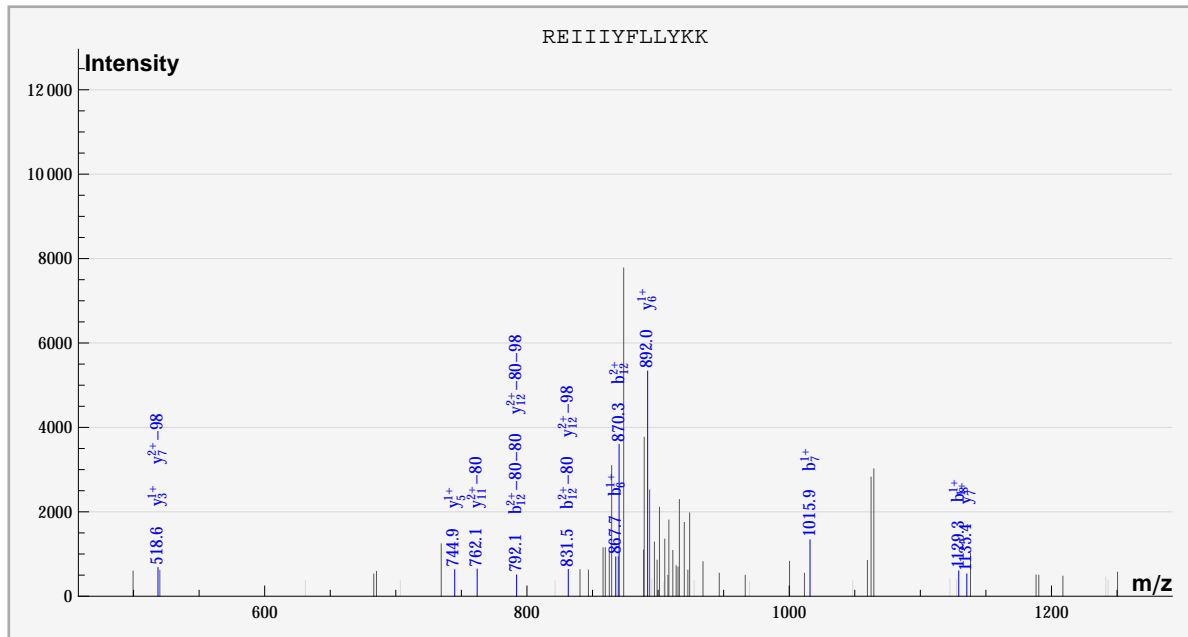
S\_Acido\_new%gi|68567051|gb|AA79980.1| EYIFYDSKYKR%::PHOS::PHOS::PHOS:::sample\_0%compd\_1122



	#	b	b*	#	y	y*	P	P*
E	1							✓
Y	2			10				
I	3	✓		9		✓		
F	4	✓		8				
Y	5		✓	7				
D	6		✓	6		✓		
S	7		✓	5	✓			
K	8			4				
Y	9			3	✓			
K	10			2				
R	11	✓	✓	1				

E Y I F Y D S K Y K R

dbValid true REIIYFLLYKK PHOS(2) 2. 878. 1.95336 5.35813 100. ? 3324.  
 S\_Acido\_new%gi|68567730|gb|AA80659.1| REIIYFLLYKK%:::PHOS:::PHOS:::sample\_3%compd\_1680

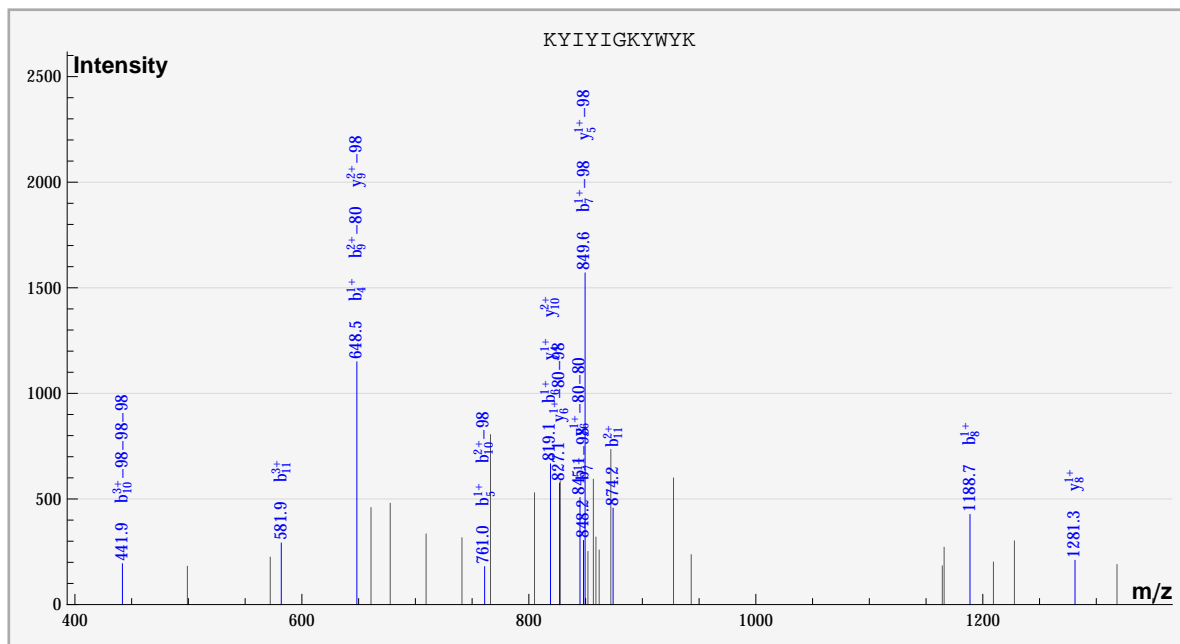


	#	b	b*	#	y	y*	P	P*
R	1							✓
E	2			11		✓		
I	3			10				
I	4			9				
I	5			8				
Y	6	✓		7	✓	✓		
F	7	✓		6	✓			
L	8	✓		5	✓			
L	9			4				
Y	10			3	✓			
K	11			2				
K	12	✓	✓	1				

REIIYFLLYKK

dbValid true KYIYIGKYWYK PHOS(3) 2. 881. 1.86556 5.58868 100. ? 1650.

S\_Acido\_new%gi|68567285|gb|AA80214.1| KYIYIGKYWYK%::PHOS:::PHOS::PHOS::%sample\_1%compd\_369

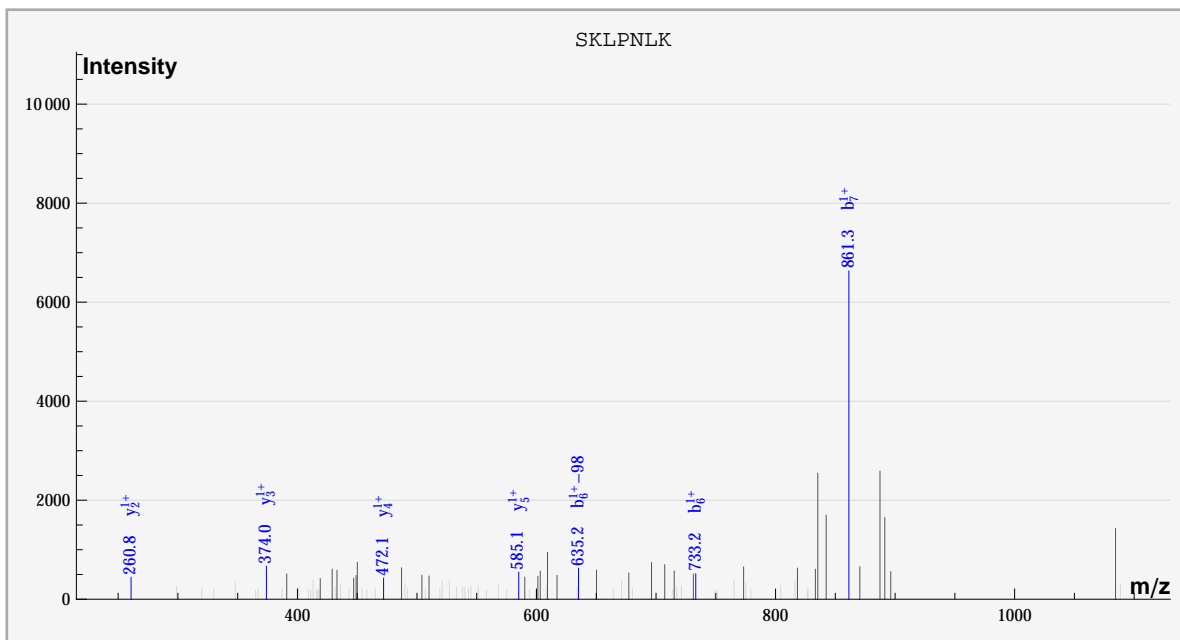


	#	b	b*	#	y	y*	P	P*
K	1							
Y	2			10	✓			
I	3			9		✓		
Y	4	✓		8	✓			
I	5	✓		7				
G	6	✓		6		✓		
K	7		✓	5		✓		
Y	8	✓		4	✓			
W	9		✓	3				
Y	10		✓	2				
K	11	✓		1				

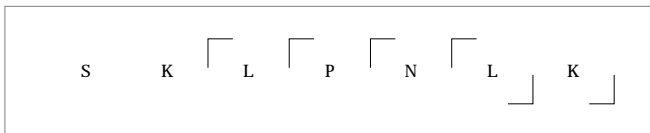
K Y I Y I G K Y W Y K

dbValid true SKLPNLK PHOS(1) 1. 881. -1.53009 5.54424 100. ? 2208.

S\_Acido\_new%gi|68567363|gb|AAY80292.1| SKLPNLK%:PHOS::::::%sample\_3%cmpd\_793

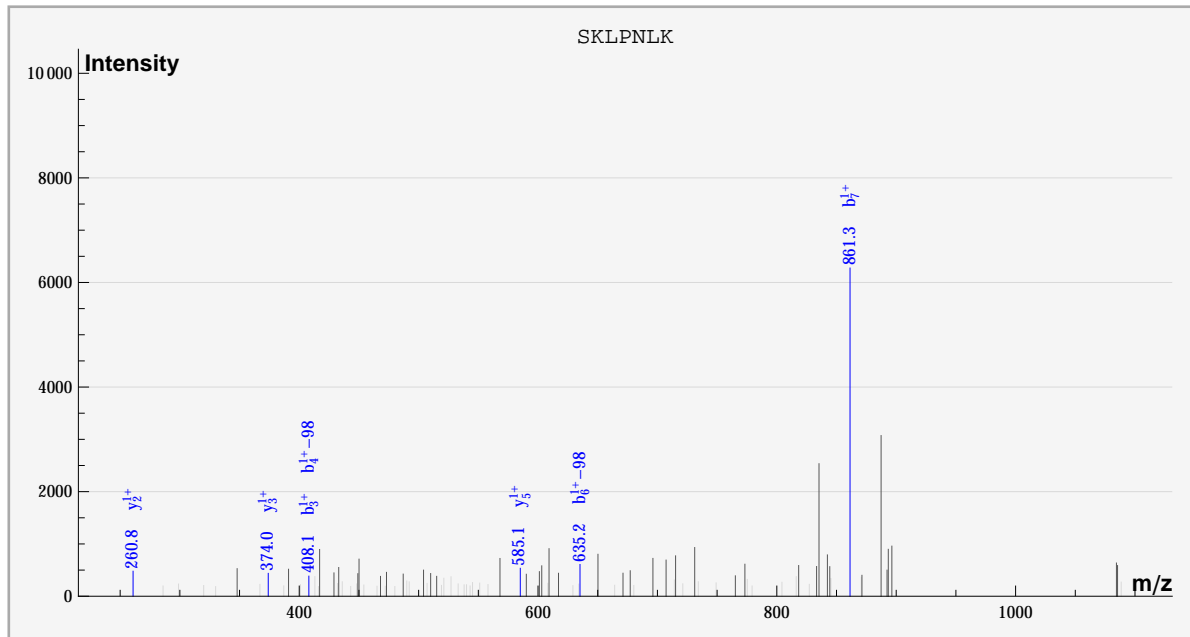


	#	b	b*	#	y	y*	P	P*
S	1							
K	2			6				
L	3			5	✓			
P	4			4	✓			
N	5			3	✓			
L	6	✓	✓	2	✓			
K	7	✓		1				

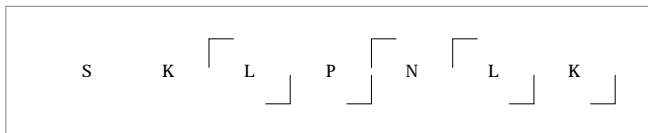


dbValid true SKLPNLK PHOS(1) 1. 881. -1.53009 5.57558 100. ? 2220.

S\_Acido\_new%gi|68567363|gb|AAY80292.1| SKLPNLK%:PHOS:::sample\_3%compd\_803



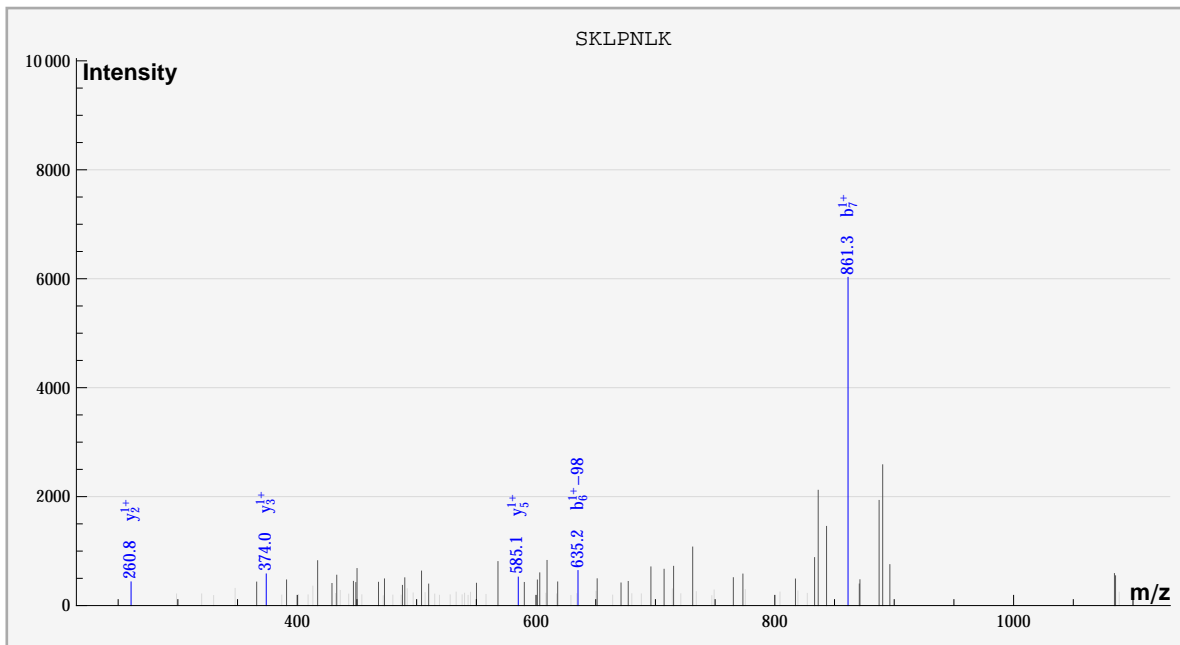
	#	b	b*	#	y	y*	P	P*
S	1							
K	2			6				
L	3	✓		5	✓			
P	4		✓	4				
N	5			3	✓			
L	6		✓	2	✓			
K	7	✓		1				



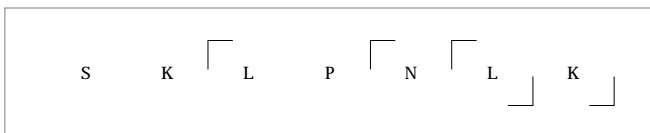


dbValid true SKLPNLK PHOS(1) 1. 881. -1.53009 5.33702 100. ? 2232.

S\_Acido\_new%gi|68567363|gb|AAY80292.1| SKLPNLK%:PHOS:::sample\_3%compd\_813

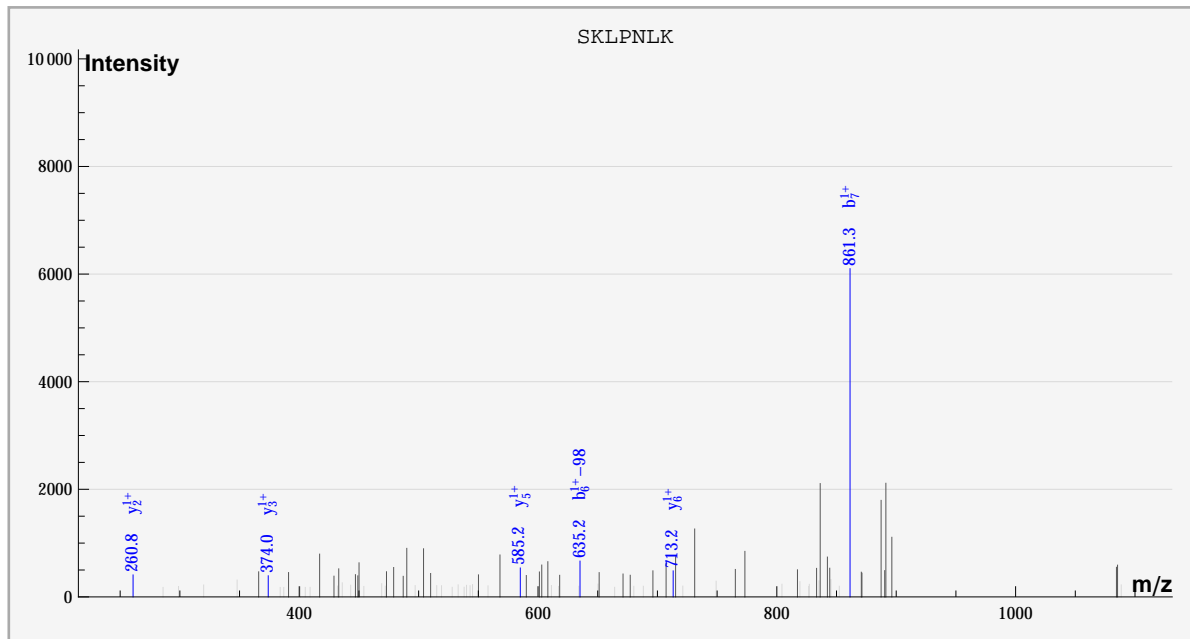


	#	b	b*	#	y	y*	P	P*
S	1							
K	2			6				
L	3			5	✓			
P	4			4				
N	5			3	✓			
L	6	✓		2	✓			
K	7	✓		1				

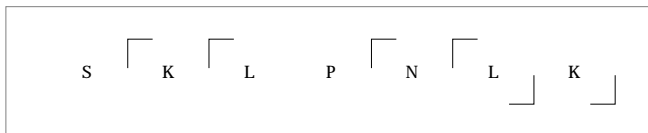


dbValid true SKLPNLK PHOS(1) 1. 881. -1.53009 5.51701 100. ? 2244.

S\_Acido\_new%gi|68567363|gb|AAY80292.1| SKLPNLK%:PHOS:::sample\_3%compd\_824

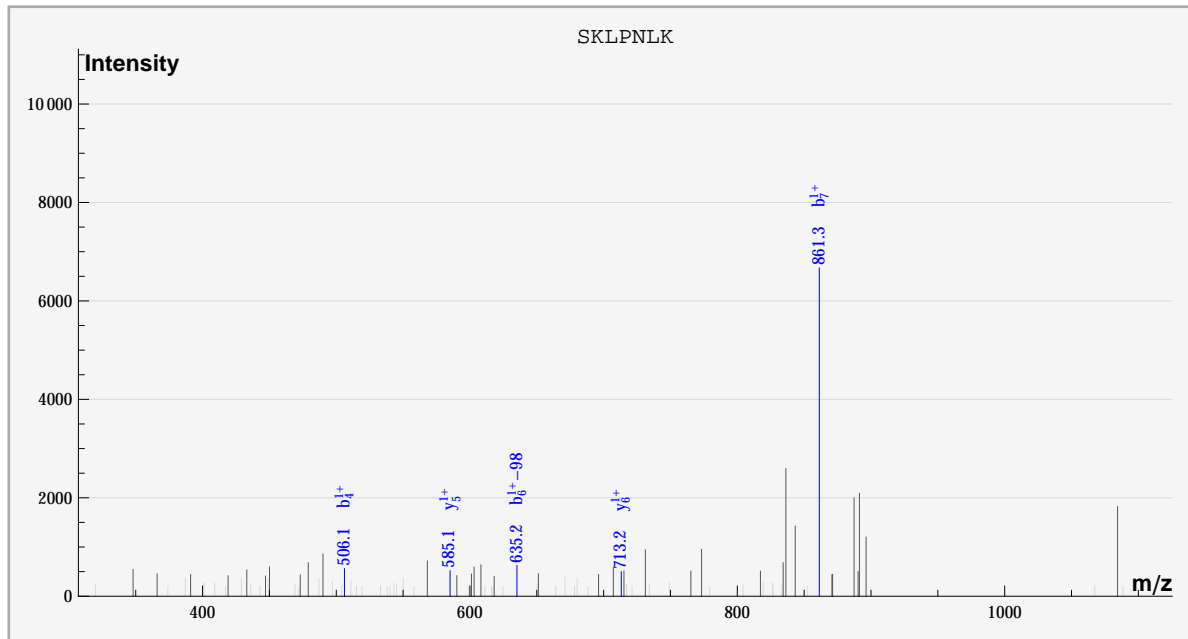


	#	b	b*	#	y	y*	P	P*
S	1							
K	2			6		✓		
L	3			5		✓		
P	4			4				
N	5			3		✓		
L	6		✓	2		✓		
K	7	✓		1				

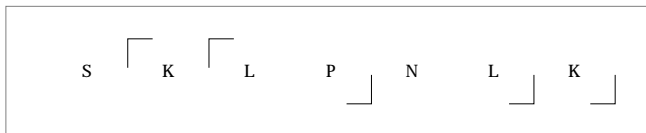


dbValid true SKLPNLK PHOS(1) 1. 881. -1.53009 5.45248 100. ? 2256.

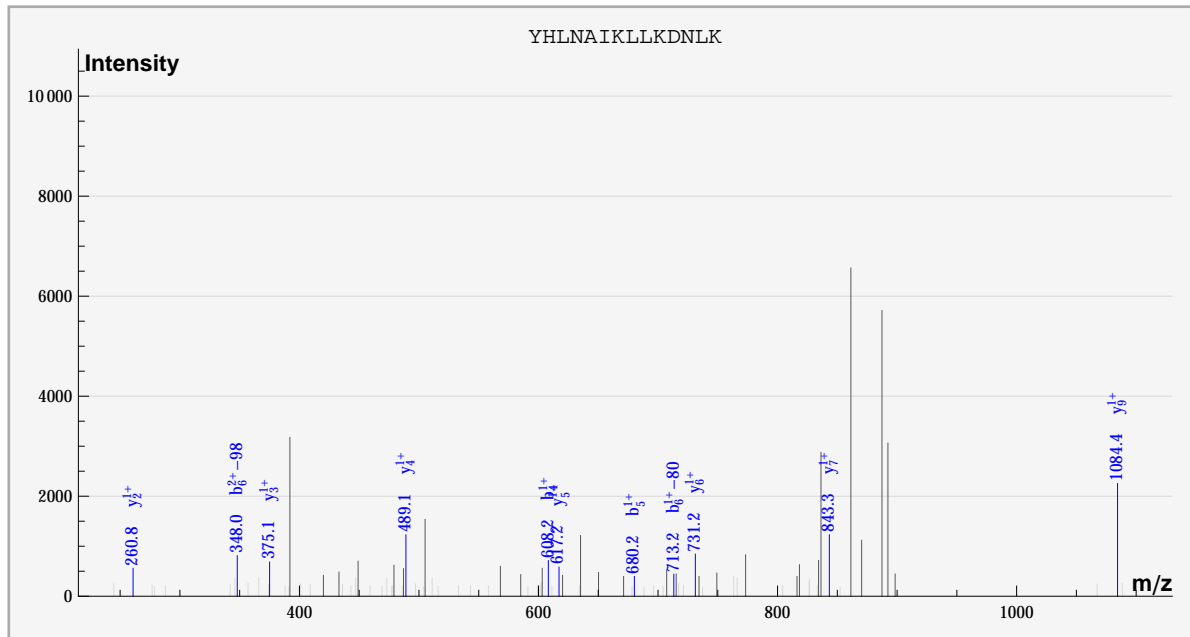
S\_Acido\_new%gi|68567363|gb|AAY80292.1| SKLPNLK%:PHOS::::::%sample\_3%cmpd\_834



	#	b	b*	#	y	y*	P	P*
S	1							
K	2			6		✓		
L	3			5		✓		
P	4	✓		4				
N	5			3				
L	6		✓	2				
K	7	✓		1				



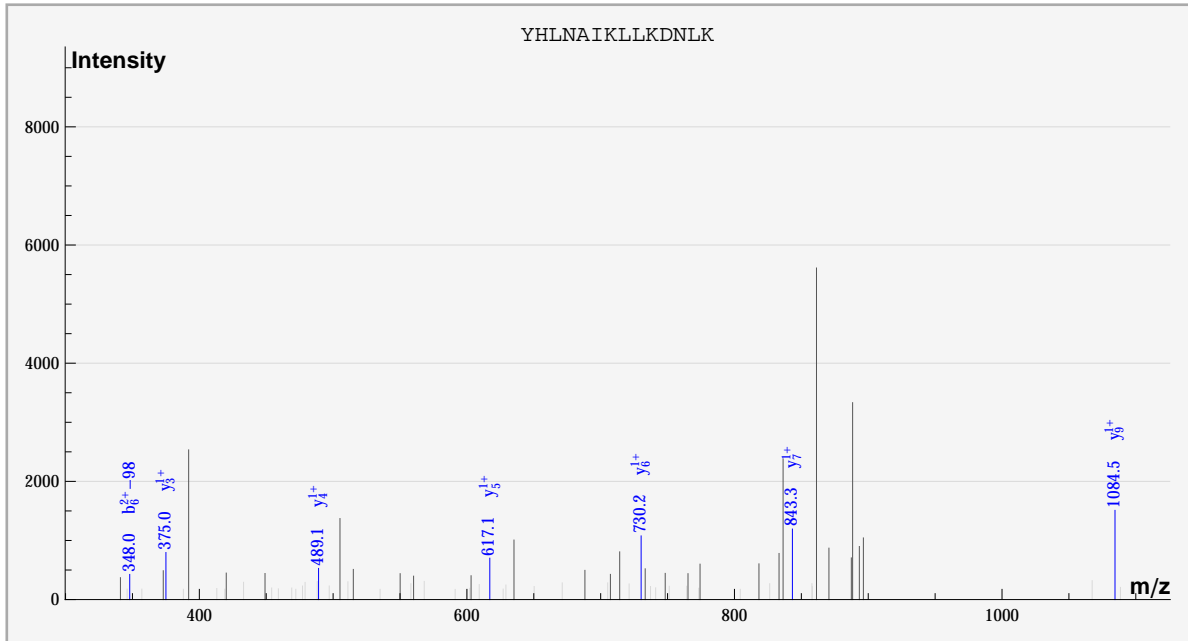
dbValid true YHLNAIKLLKDNLK PHOS(1) 2. 881. 0.984382 5.14129 100. ? 2292.  
 S\_Acido\_new%gi|68567776|gb|AAY80705.1| YHLNAIKLLKDNLK%:PHOS:::::::::::::sample\_3%compd\_864



	#	b	b*	#	y	y*	P	P*
Y	1							
H	2			13				
L	3			12				
N	4	✓		11				
A	5	✓		10				
I	6		✓	9	✓			
K	7			8				
L	8			7	✓			
L	9			6	✓			
K	10			5	✓			
D	11			4	✓			
N	12			3	✓			
L	13			2	✓			
K	14			1				

Y H L N A I K L L K D N L K

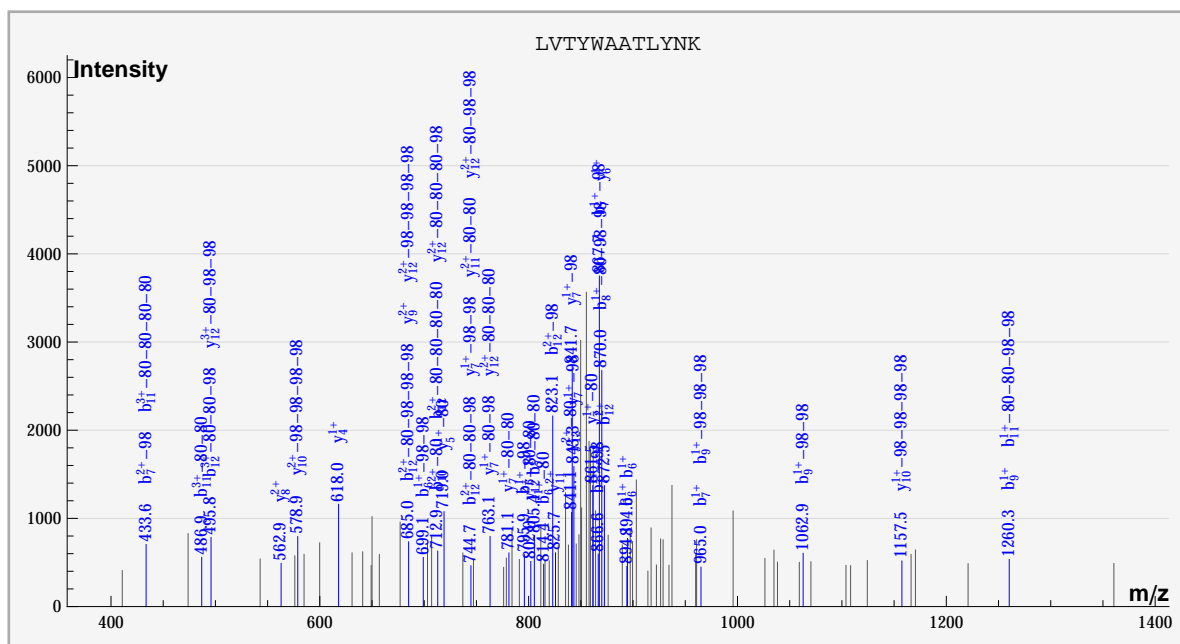
dbValid true YHLNAIKLLKDNLK PHOS(1) 2. 881. 0.984382 5.11347 100. ? 2370.  
 S\_Acido\_new%gi|68567776|gb|AA80705.1| YHLNAIKLLKDNLK%:PHOS:::::::::::::sample\_1%compd\_960



	#	b	b*	#	y	y*	P	P*
Y	1							
H	2			13				
L	3			12				
N	4			11				
A	5			10				
I	6	✓		9	✓			
K	7			8				
L	8			7	✓			
L	9			6	✓			
K	10			5	✓			
D	11			4	✓			
N	12			3	✓			
L	13			2				
K	14			1				

Y H L N A I K L L K D N L K

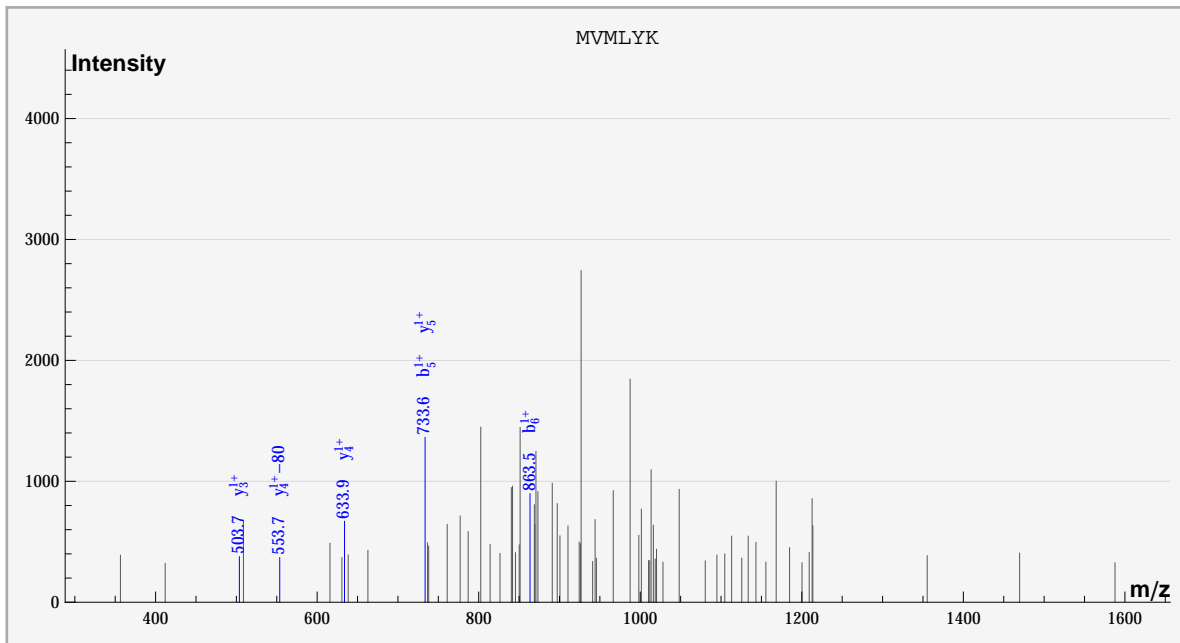
dbValid true LVTYWAATLYNK PHOS(4) 2. 881. 0.820152 5.06903 100. ? 2784.  
 S\_Acido\_new%gi|68567546|gb|AAy80475.1| LVTYWAATLYNK%:::PHOS:PHOS:::PHOS::PHOS:::sample\_2%compd\_1397



	#	b	b*	#	y	y*	P	P*
L	1							✓
V	2			11	✓	✓		
T	3			10		✓		
Y	4			9	✓			
W	5			8	✓			
A	6	✓	✓	7		✓		
A	7	✓	✓	6	✓			
T	8		✓	5		✓		
L	9	✓	✓	4	✓			
Y	10		✓	3				
N	11		✓	2				
K	12	✓	✓	1				

┌ L ─┐ ┌ V ─┐ ┌ T ─┐ ┌ Y ─┐ ┌ W ─┐ ┌ A ─┐ ┌ A ─┐ ┌ T ─┐ ┌ L ─┐ ┌ Y ─┐ ┌ N ─┐ ┌ K ─┐

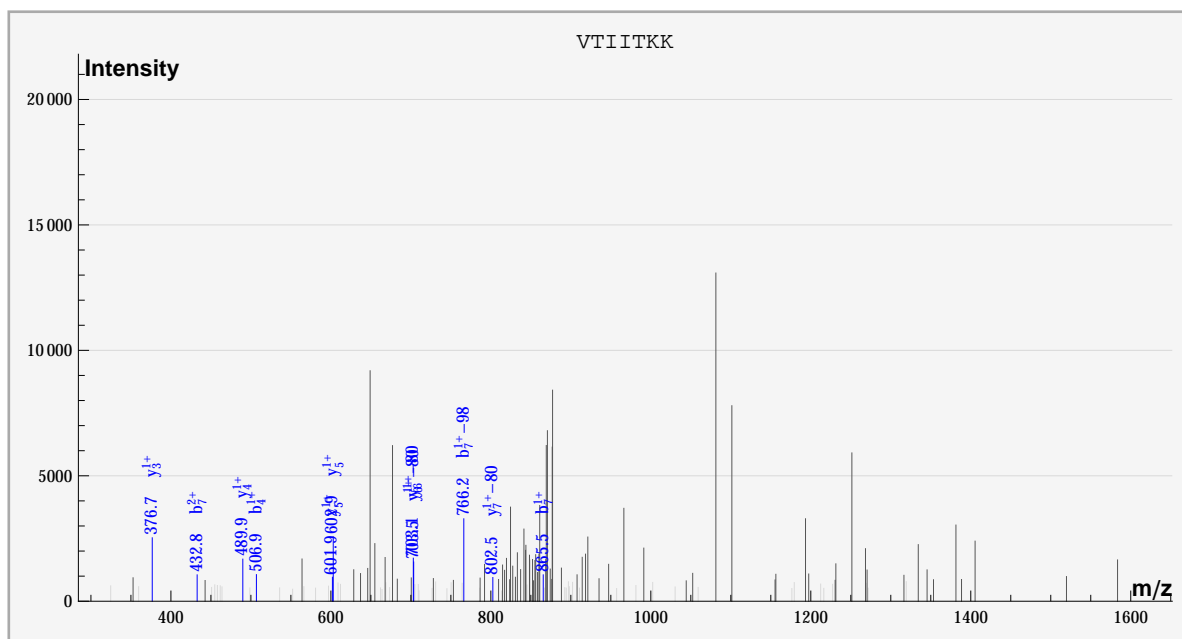
dbValid true MVMLYK Oxidation\_M(1),PHOS(1) 1. 881. -0.629205 5.22512 100. ? 3996.  
 S\_Acido\_new%gil68568724|gb|AAY81653.1| MVMLYK%:Oxidation\_M:::PHOS::%sample\_1%compd\_2506



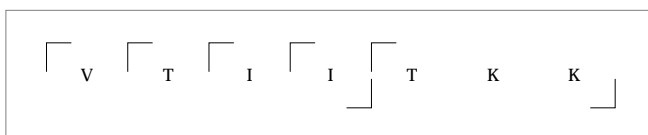
	#	b	b*	#	y	y*	P	P*
M	1							
V	2			5	✓			
M	3			4	✓	✓		
L	4			3	✓			
Y	5	✓		2				
K	6	✓		1				



dbValid true VTIIITKK PHOS(1) 1. 882. 0.505965 5.45083 100. ? 2688.  
 S\_Acido\_new%gi|68567016|gb|AAY79945.1| VTIIITKK%::PHOS:::::sample\_2%compd\_1310

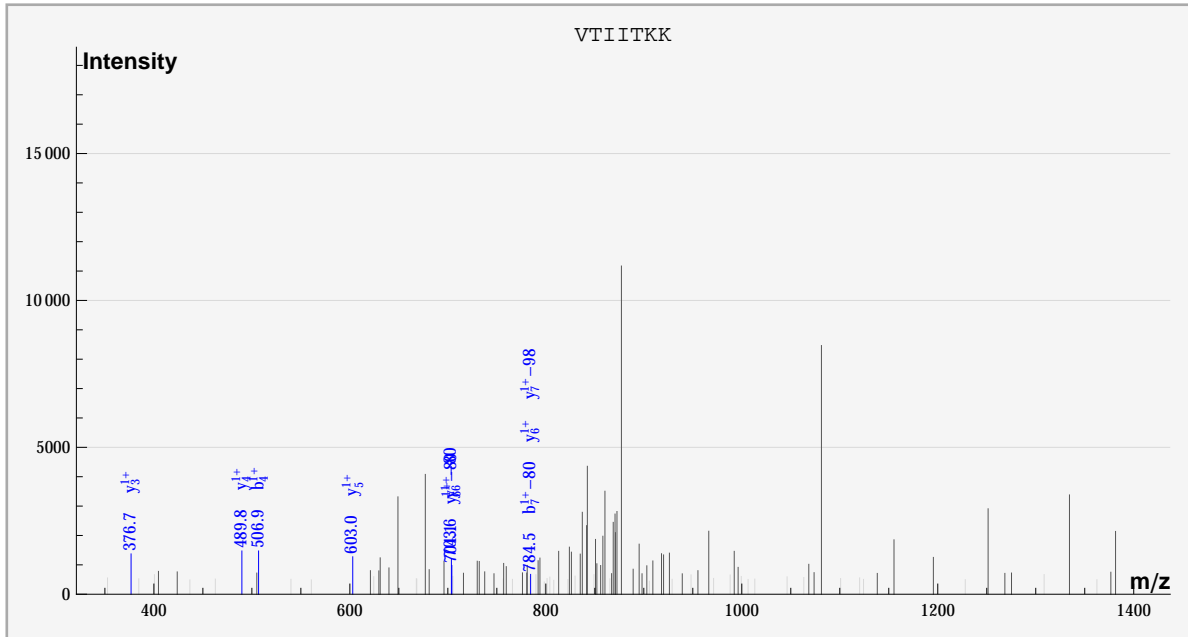


	#	b	b*	#	y	y*	P	P*
V	1							✓
T	2			6		✓		
I	3			5		✓		
I	4	✓		4		✓		
T	5			3		✓		
K	6			2				
K	7	✓	✓	1				

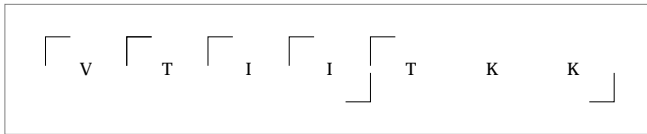




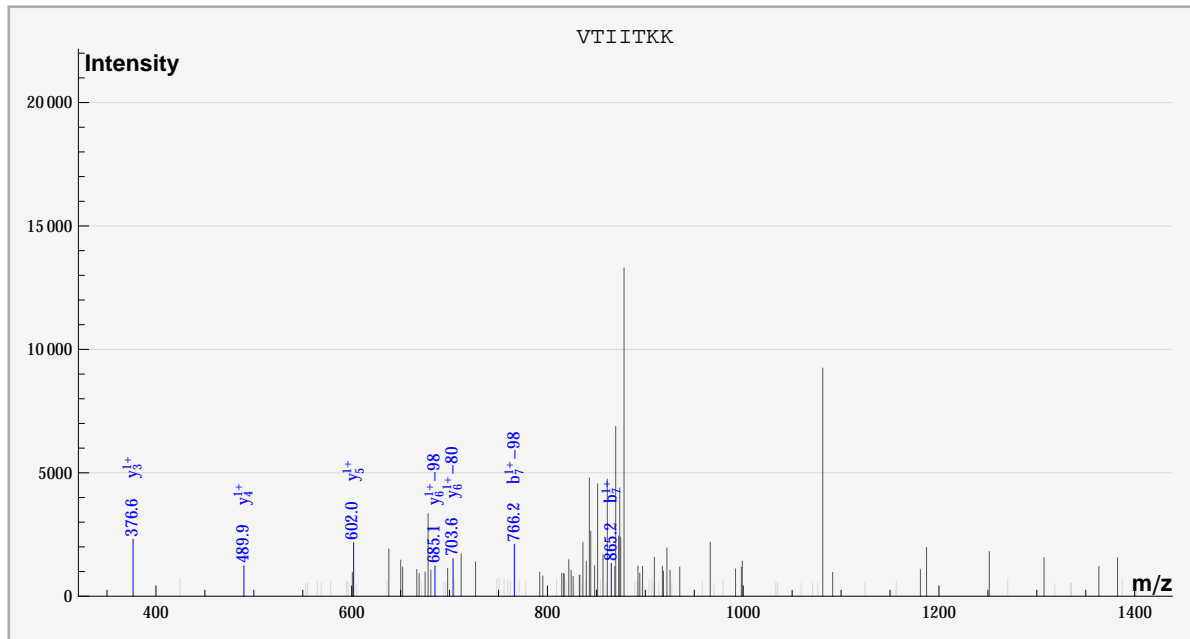
dbValid true VTIIKK PHOS(1) 1. 882. 0.505965 5.89928 100. ? 3036.  
 S\_Acido\_new%gi|68567016|gb|AAY79945.1| VTIIKK%::PHOS:::::sample\_2%compd\_1631



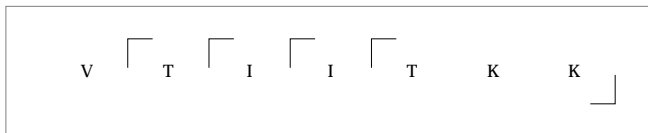
	#	b	b*	#	y	y*	P	P*
V	1							✓
T	2			6	✓	✓		
I	3			5	✓			
I	4	✓		4	✓			
T	5			3	✓			
K	6			2				
K	7		✓	1				



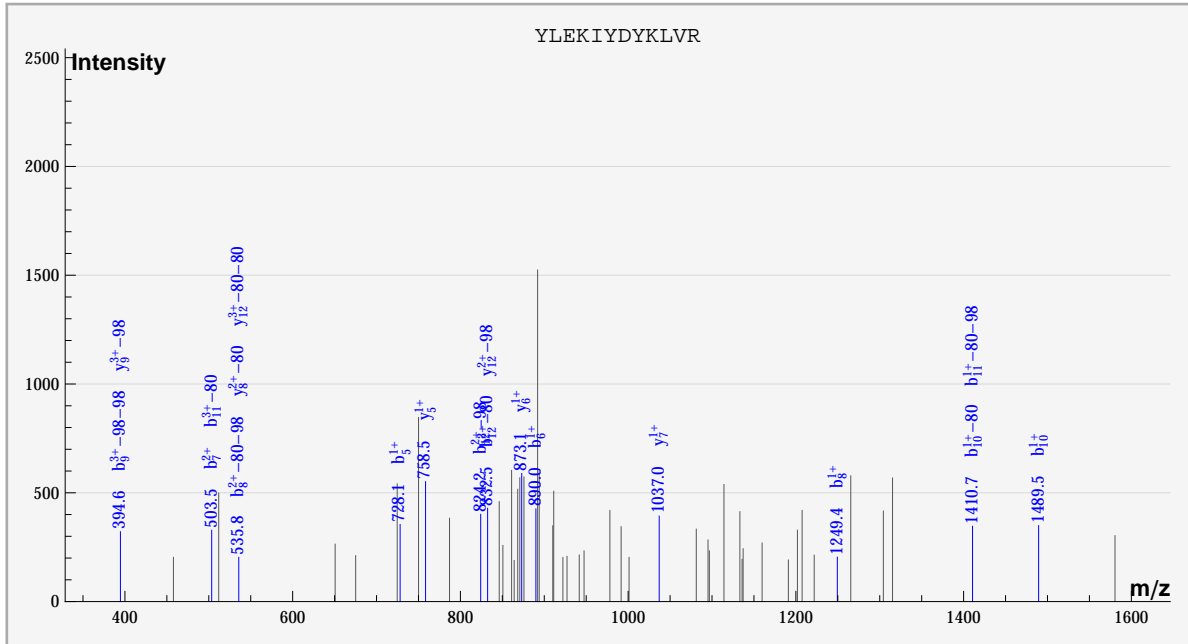
dbValid true VTIIKK PHOS(1) 1. 883. -0.494035 5.57414 100. ? 2880.  
 S\_Acido\_new%gi|68567016|gb|AAY79945.1| VTIIKK%::PHOS%:::%sample\_2%compd\_1488



	#	b	b*	#	y	y*	P	P*
V	1							
T	2			6		✓		
I	3			5		✓		
I	4			4		✓		
T	5			3		✓		
K	6			2				
K	7	✓	✓	1				



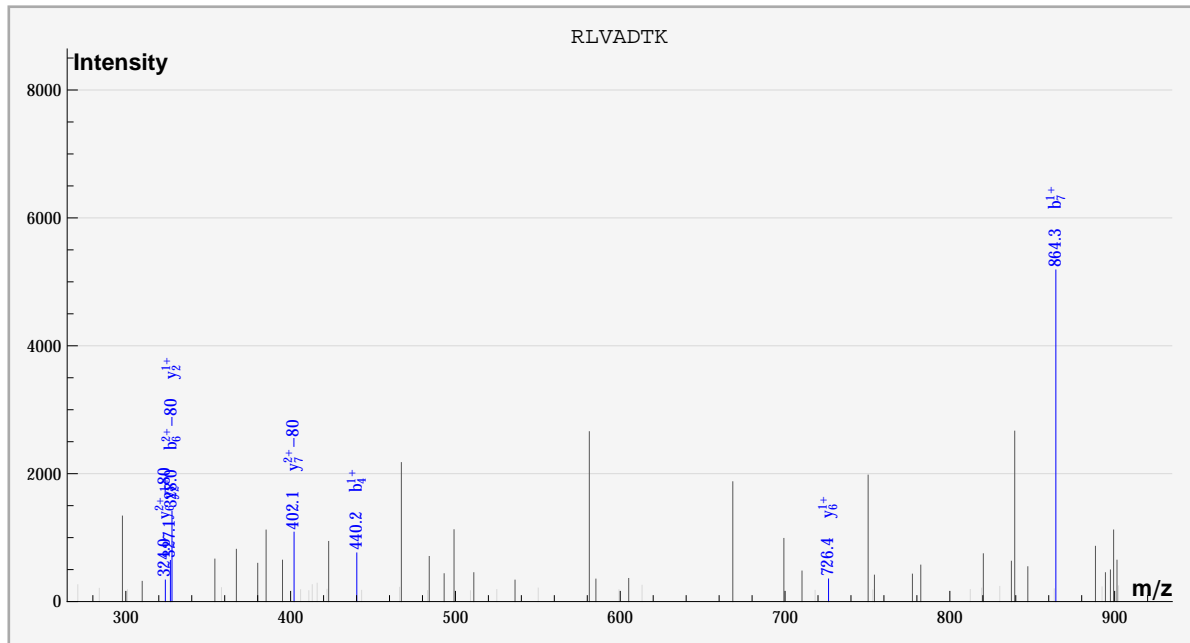
dbValid true YLEKIYDYKLVR PHOS(2) 2. 883. -1.08556 5.27982 100. ? 4518.  
 S\_Acido\_new%gi|68568037|gb|AA80966.1| YLEKIYDYKLVR%:PHOS:::PHOS:::sample\_2%compd\_2984



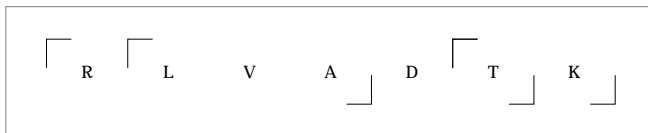
	#	b	b*	#	y	y*	P	P*
Y	1							✓
L	2			11				
E	3			10				
K	4			9		✓		
I	5	✓		8		✓		
Y	6	✓		7	✓			
D	7	✓		6	✓			
Y	8	✓	✓	5	✓			
K	9		✓	4				
L	10	✓	✓	3				
V	11		✓	2				
R	12		✓	1				

Y L E K I Y D Y K L V R

dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.98841 100. ? 1812.  
 S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::PHOS::%sample\_3%cmpd\_458

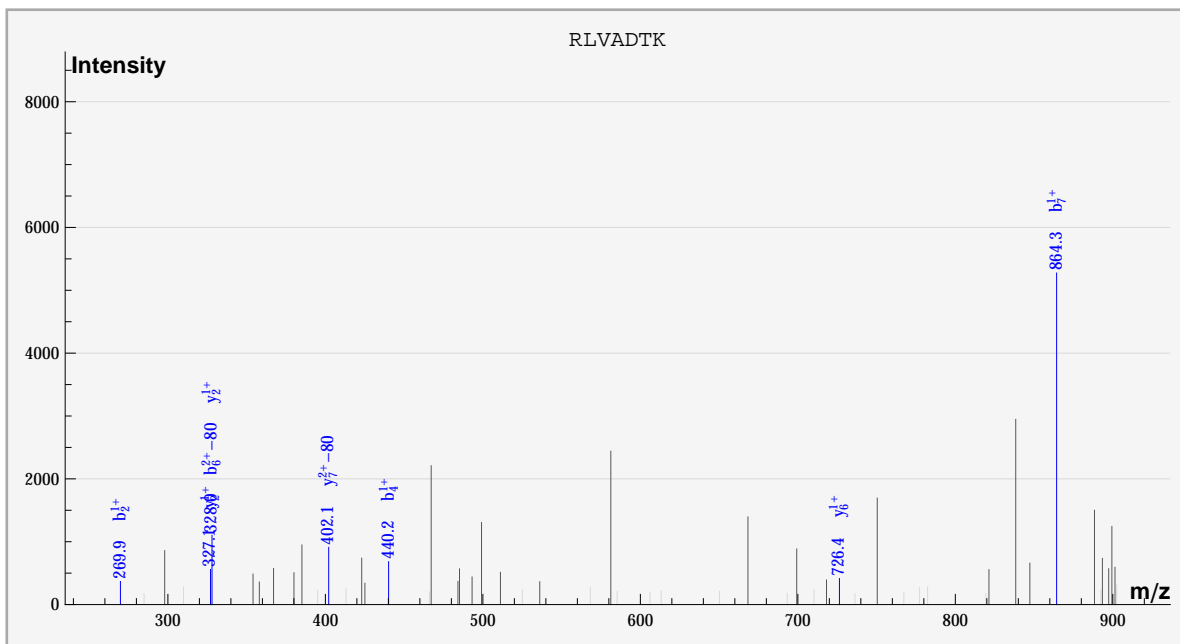


	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓	✓		
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				

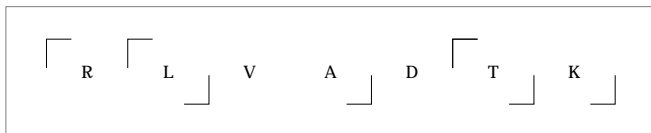


dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.82083 100. ? 1818.

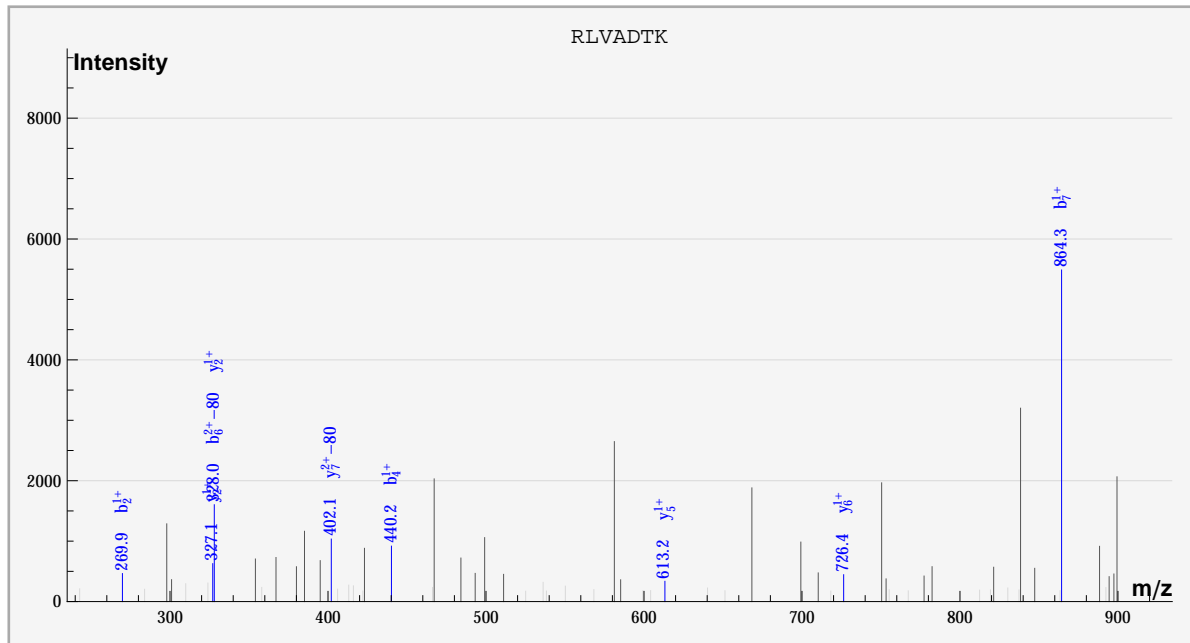
S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::PHOS::%sample\_1%cmpd\_492



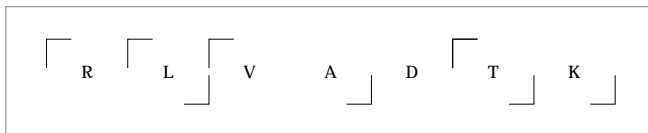
	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2	✓		6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				



dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.52996 100. ? 1824.  
 S\_Acido\_new%gi68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_3%compd\_468

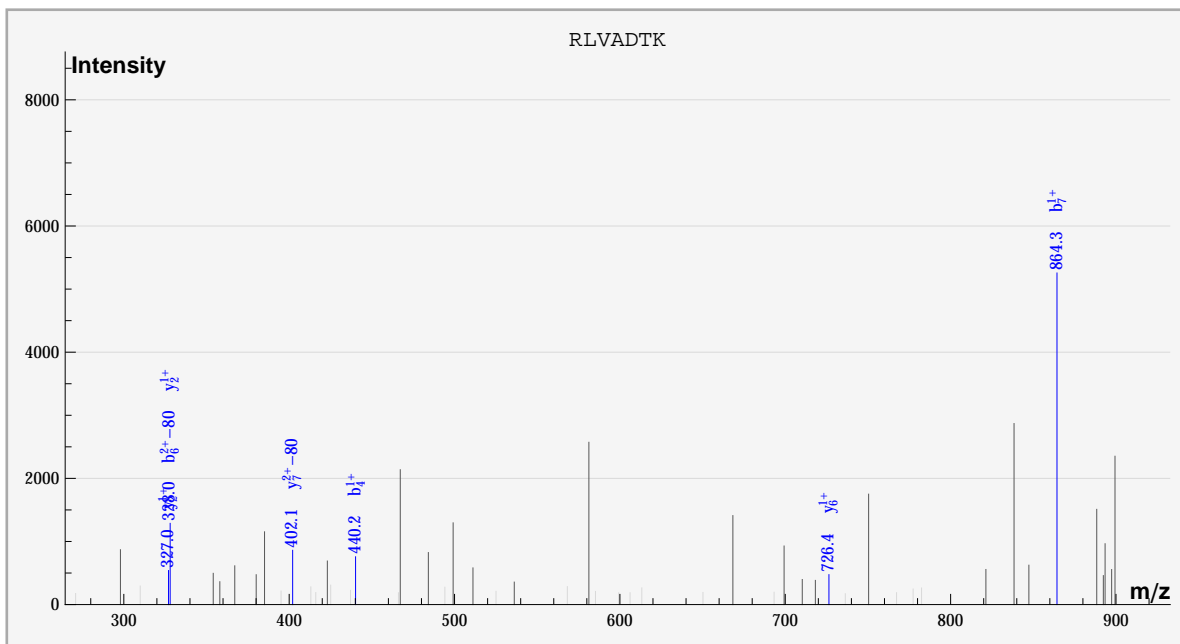


	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2	✓		6	✓			
V	3			5	✓			
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				

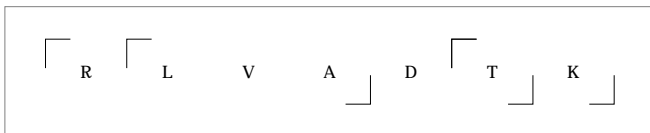


dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.72664 100. ? 1830.

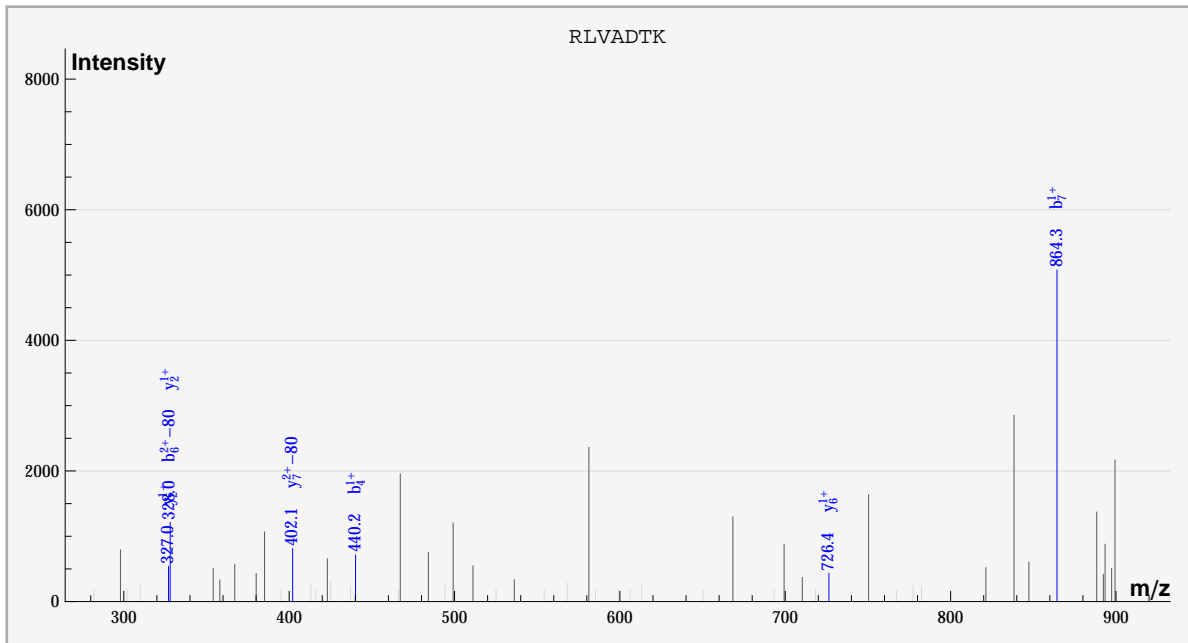
S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::PHOS::%sample\_1%cmpd\_503



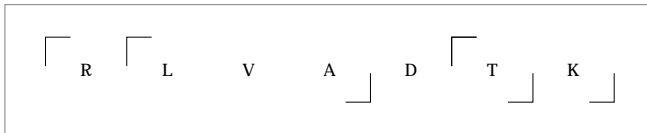
	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				



dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.59515 100. ? 1842.  
 S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_1%compd\_513

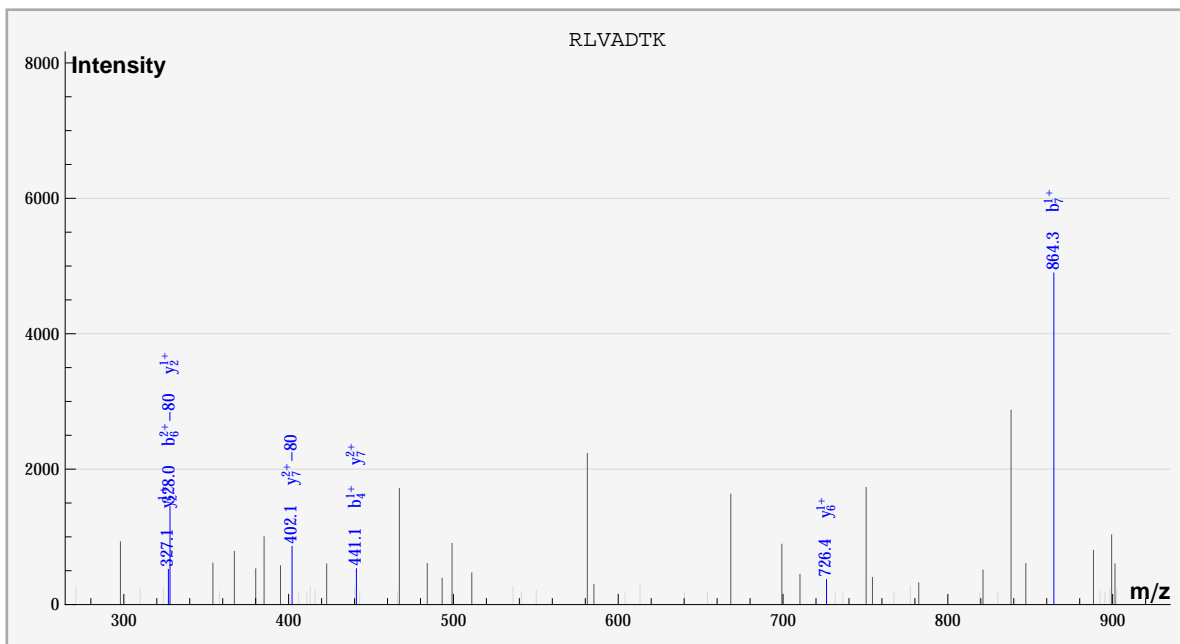


	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				

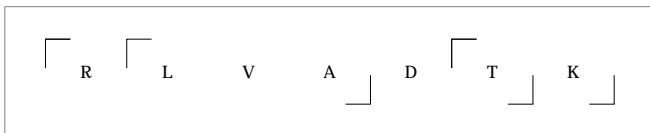




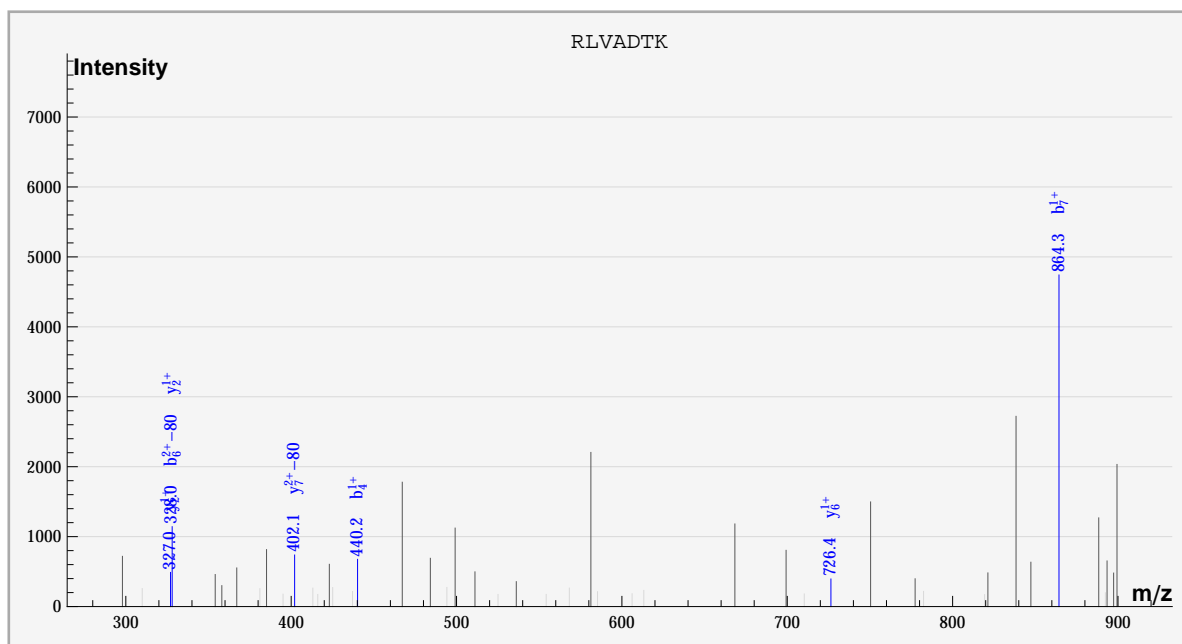
dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.90147 100. ? 1848.  
 S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::PHOS::%sample\_3%compd\_489



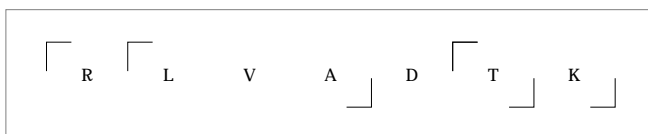
	#	b	b*	#	y	y*	P	P*
R	1						✓	✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				



dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.57463 100. ? 1854.  
 S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_1%cmpd\_523

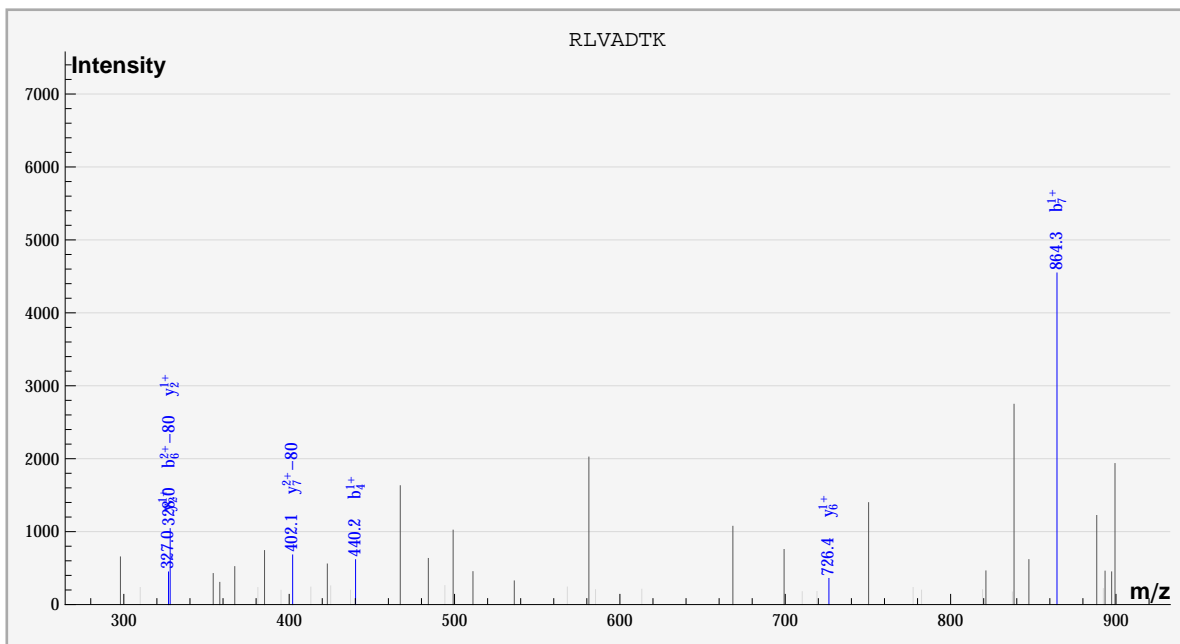


	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				

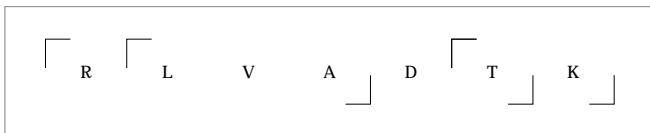


dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.76536 100. ? 1866.

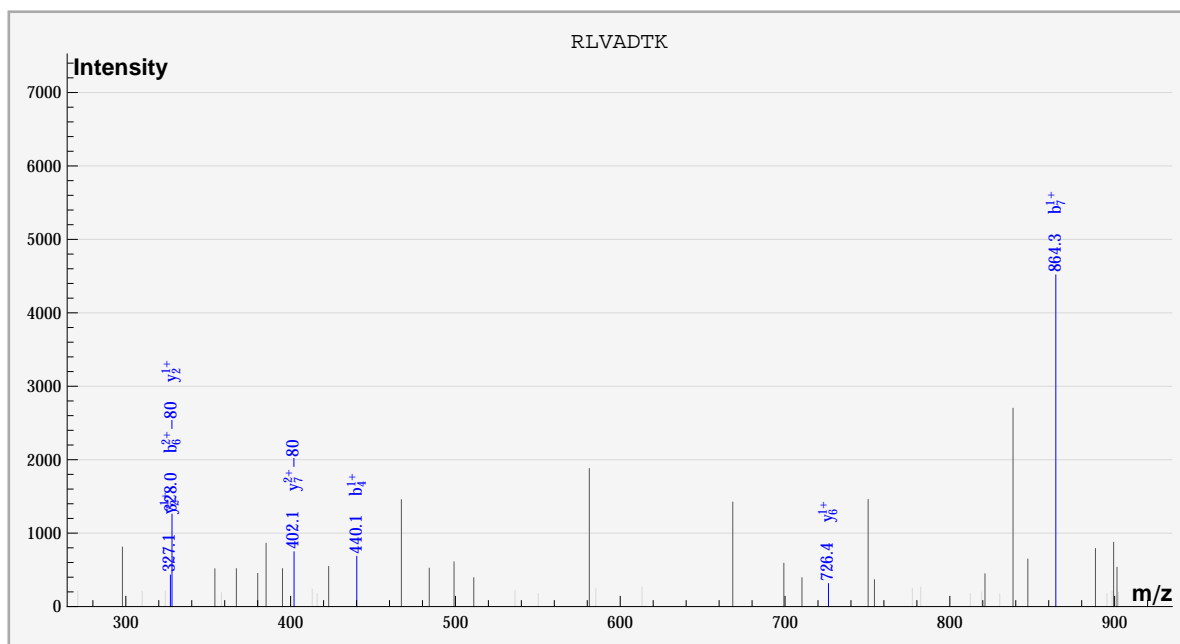
S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_1%cmpd\_533



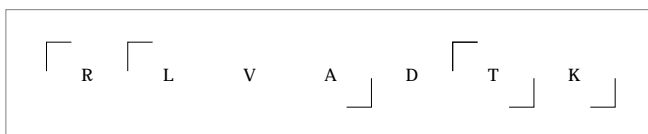
	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				



dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.41606 100. ? 1872.  
 S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_3%cmpd\_509

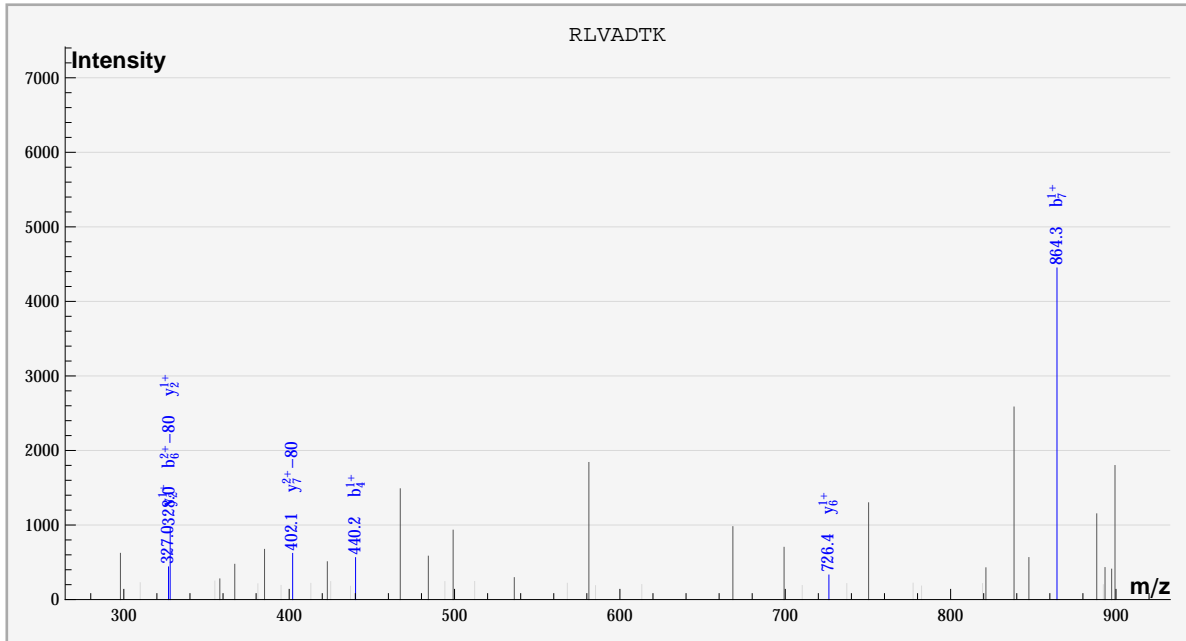


	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				

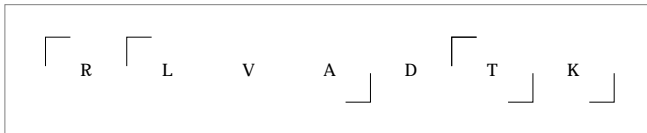


dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.31291 100. ? 1878.

S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_1%cmpd\_543

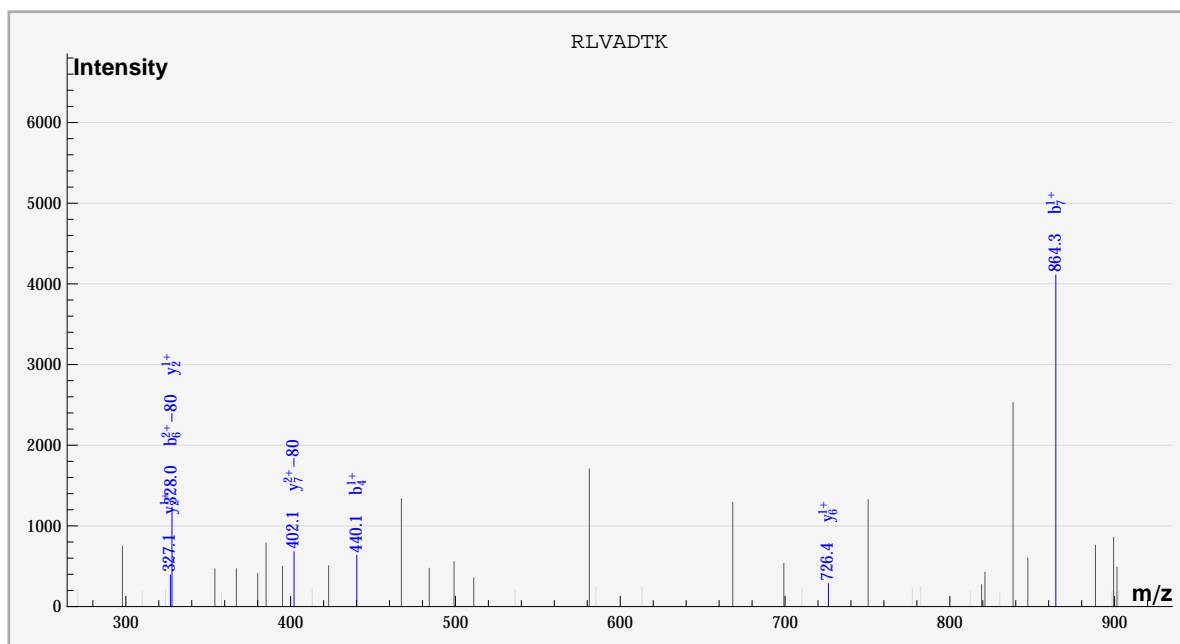


	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				

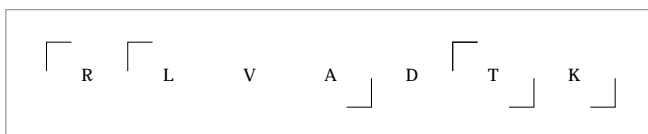


dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.69865 100. ? 1884.

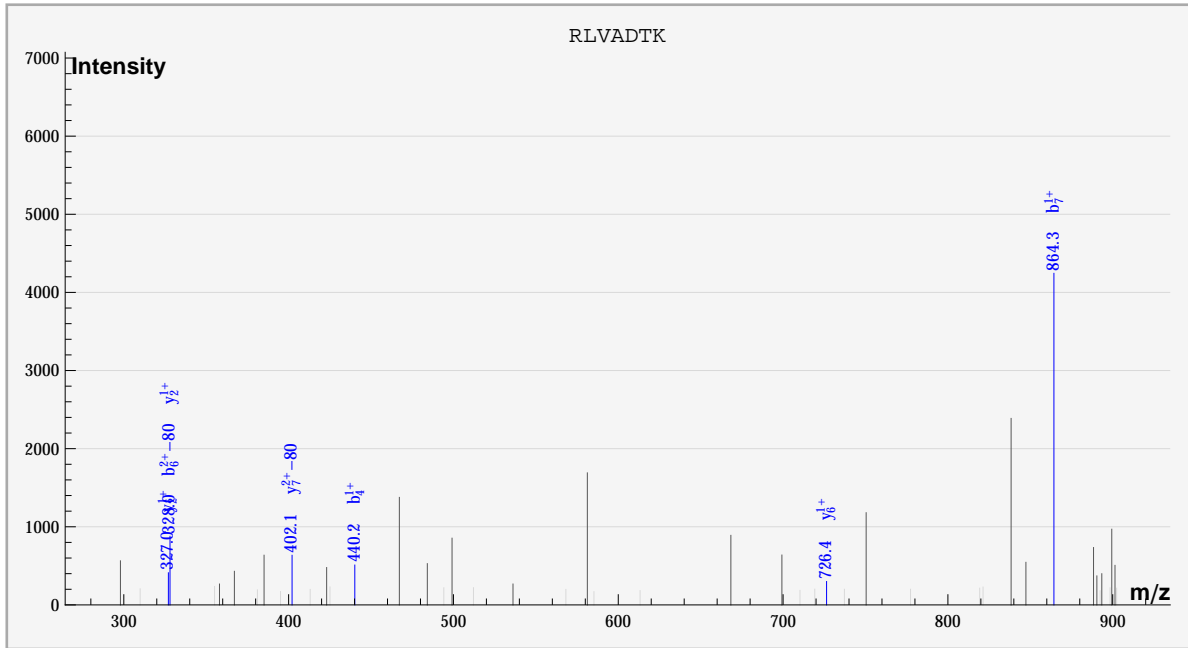
S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::PHOS::%sample\_3%cmpd\_519



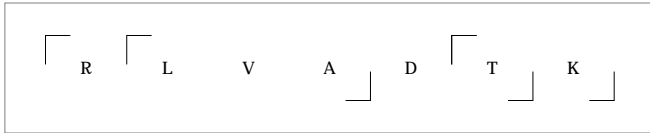
	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				



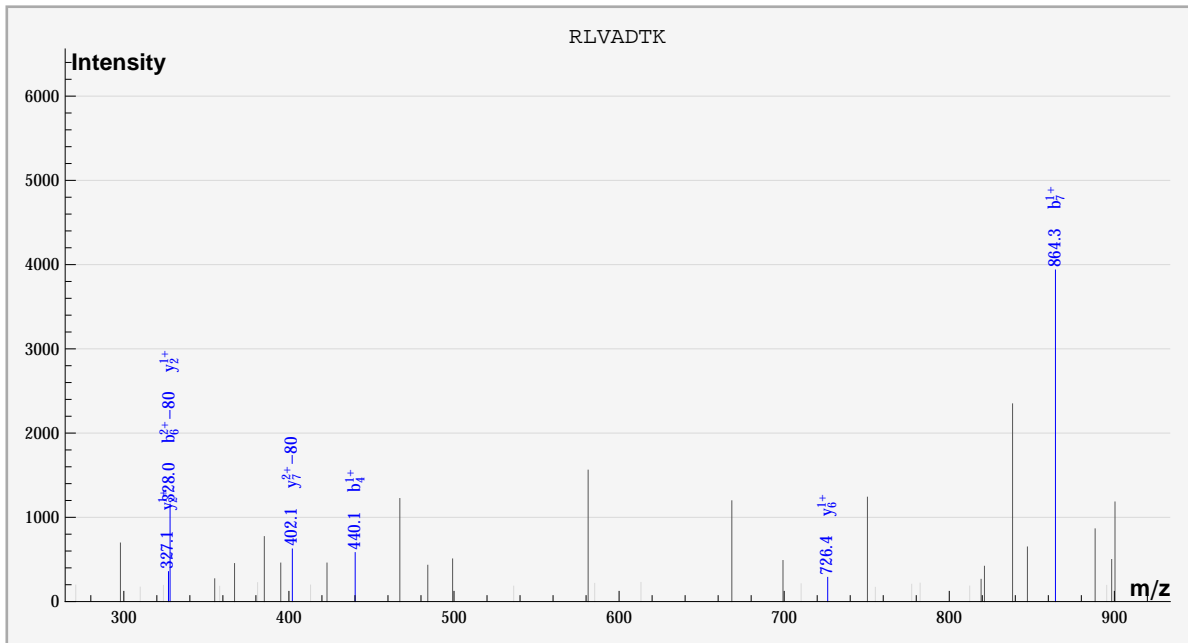
dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.61929 100. ? 1890.  
 S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::PHOS::%sample\_1%cmpd\_554



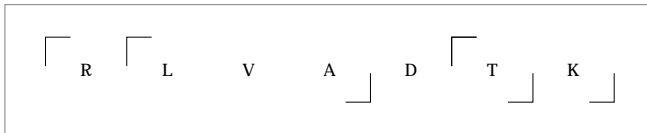
	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				



dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.62623 100. ? 1896.  
 S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_3%cmpd\_529

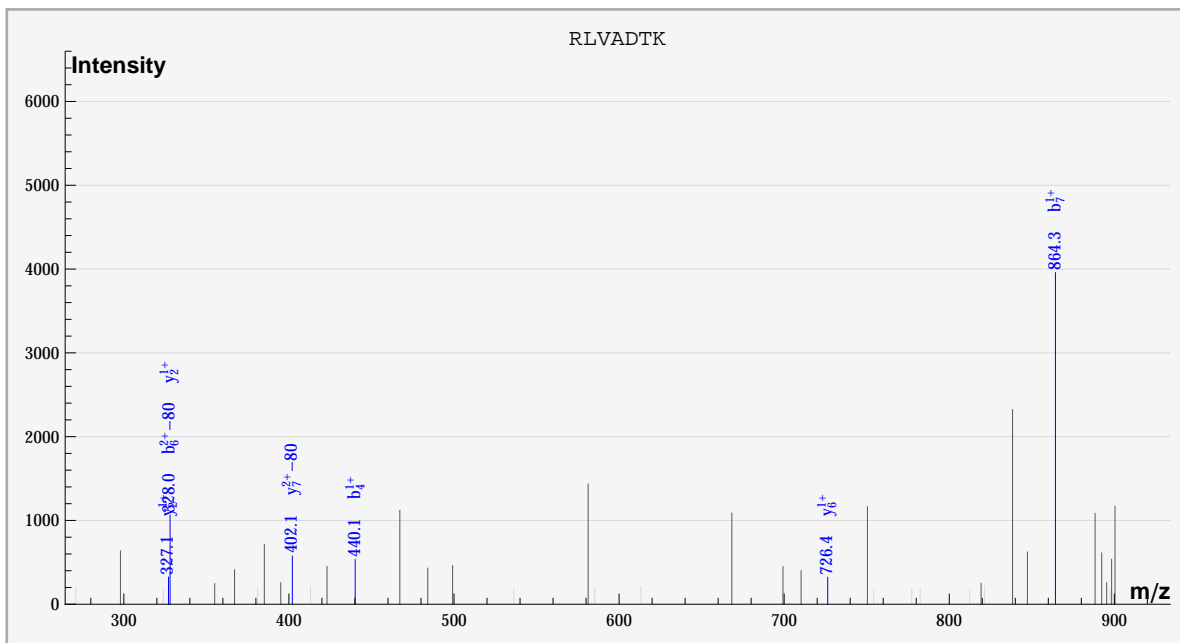


	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				

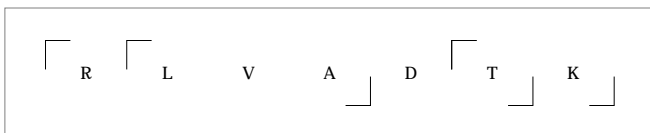




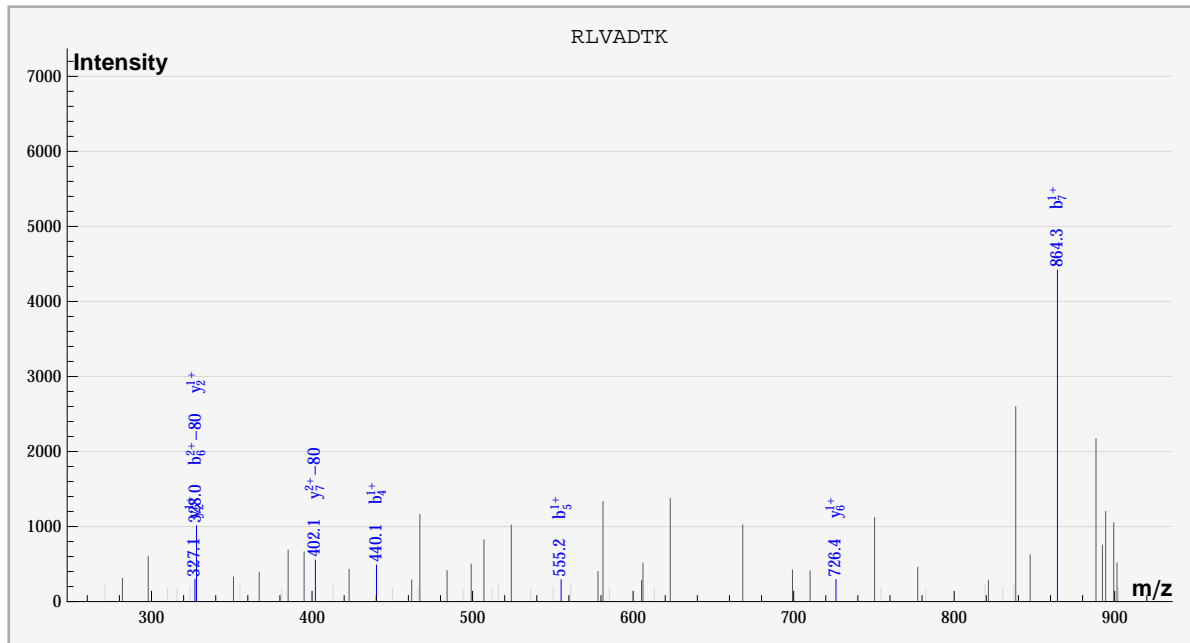
dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.94239 100. ? 1908.  
 S\_Acido\_new%gi|68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_3%cmpd\_539



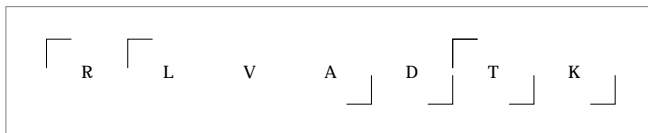
	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5			3				
T	6		✓	2	✓			
K	7	✓		1				



dbValid true RLVADTK PHOS(1) 1. 884. -1.55558 5.37497 100. ? 1920.  
 S\_Acido\_new%gi68567190|gb|AAY80119.1| RLVADTK%:::::PHOS::%sample\_3%compd\_549

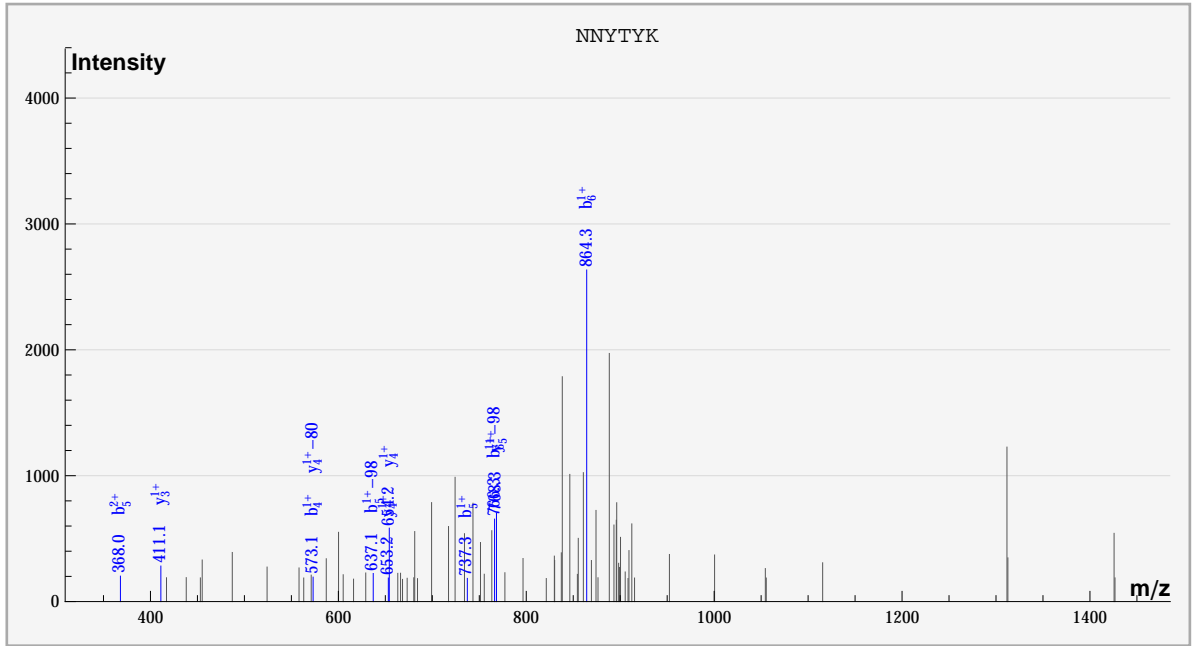


	#	b	b*	#	y	y*	P	P*
R	1							✓
L	2			6	✓			
V	3			5				
A	4	✓		4				
D	5	✓		3				
T	6		✓	2	✓			
K	7	✓		1				

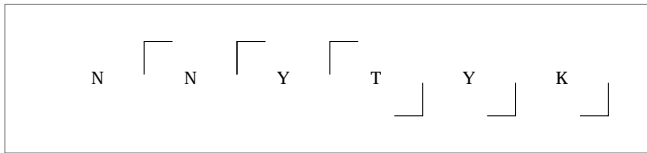


dbValid true NNYTYK PHOS(1) 1. 884. -1.66069 5.37189 100. ? 3312.

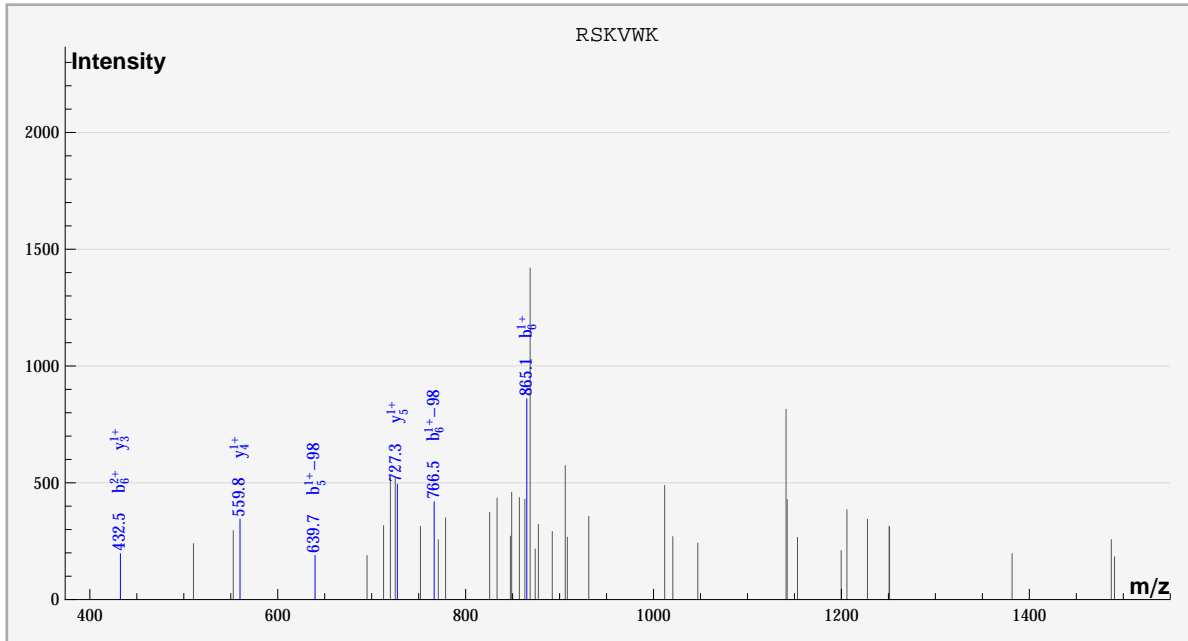
S\_Acido\_new%gi|68567034|gb|AAY79963.1| NNYTYK%:::PHOS:::sample\_3%compd\_1721



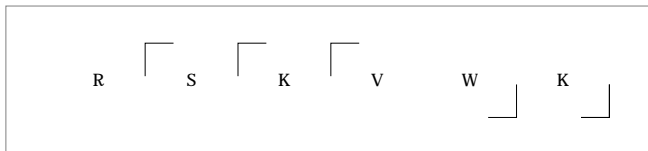
	#	b	b*	#	y	y*	P	P*
N	1							
N	2			5	✓			
Y	3			4	✓	✓		
T	4	✓		3	✓			
Y	5	✓	✓	2				
K	6	✓	✓	1				



dbValid true RSKVWK PHOS(1) 1. 884. -0.545065 5.20947 100. ? 4434.  
 S\_Acido\_new%gi|68567471|gb|AAY80400.1| RSKVWK%::PHOS:::%sample\_1%compd\_2909

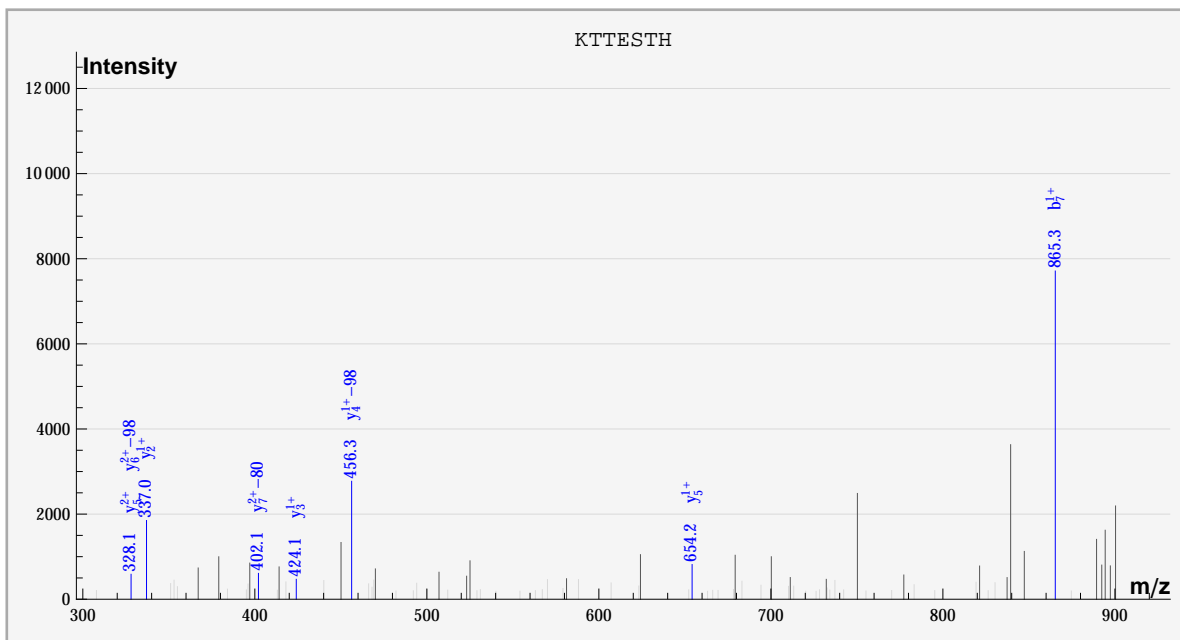


	#	b	b*	#	y	y*	P	P*
R	1							
S	2			5	✓			
K	3			4	✓			
V	4			3	✓			
W	5	✓	✓	2				
K	6	✓	✓	1				

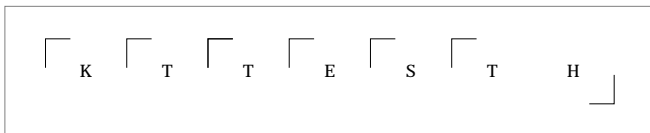


dbValid true KTTESTH PHOS(1) 1. 885. -1.64432 5.1849 100. ? 2040.

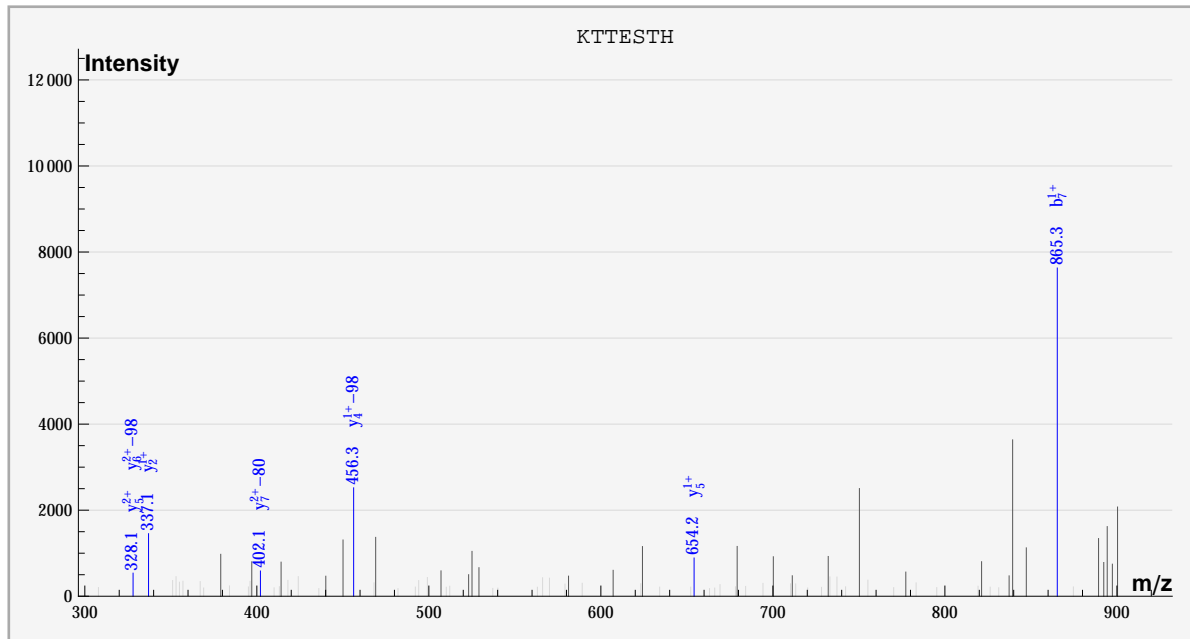
S\_Acido\_new%gi|68566626|gb|AAY79555.1| KTTESTH%:::PHOS::%sample\_3%compd\_652



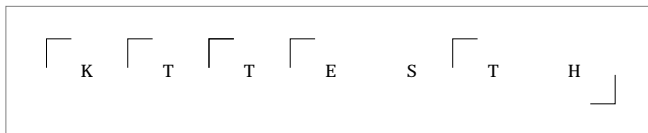
	#	b	b*	#	y	y*	P	P*
K	1							✓
T	2			6		✓		
T	3			5	✓			
E	4			4		✓		
S	5			3	✓			
T	6			2	✓			
H	7	✓		1				



dbValid true KTTESTH PHOS(1) 1. 885. -1.64432 5.52263 100. ? 2052.  
 S\_Acido\_new%gi|68566626|gb|AAY79555.1| KTTESTH%:::PHOS::%sample\_3%compd\_663

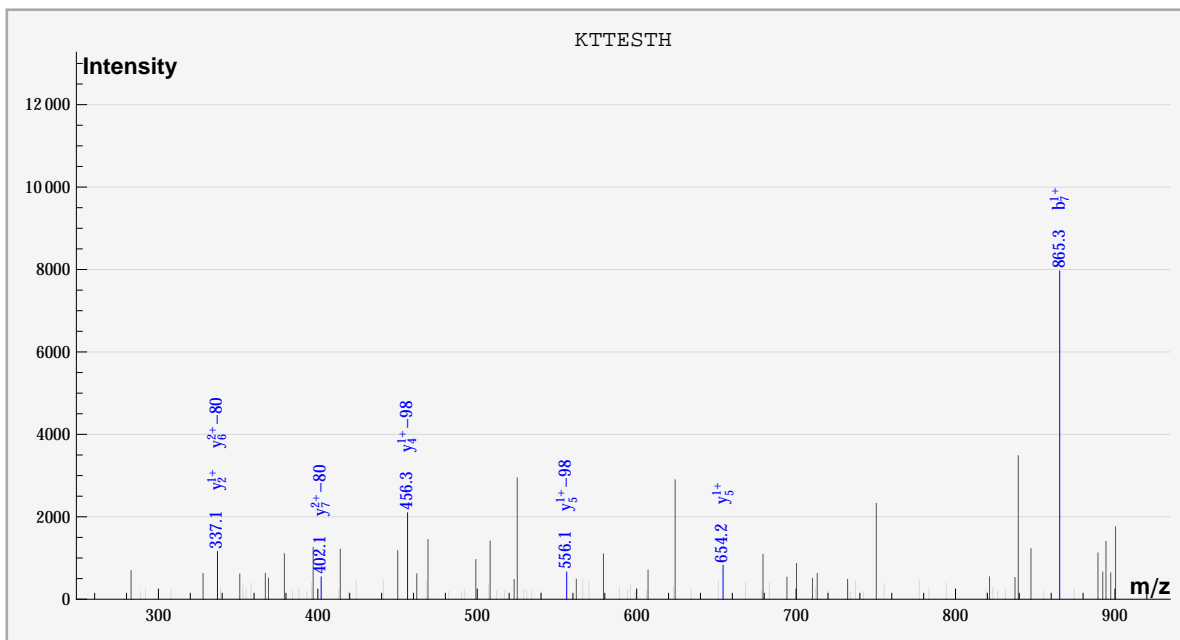


	#	b	b*	#	y	y*	P	P*
K	1							✓
T	2			6		✓		
T	3			5	✓			
E	4			4		✓		
S	5			3				
T	6			2	✓			
H	7	✓		1				

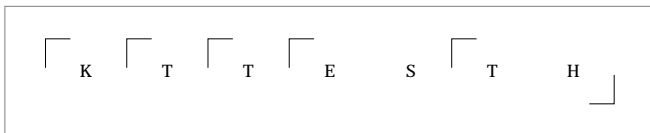


dbValid true KTTESTH PHOS(1) 1. 885. -1.64432 5.14269 100. ? 2076.

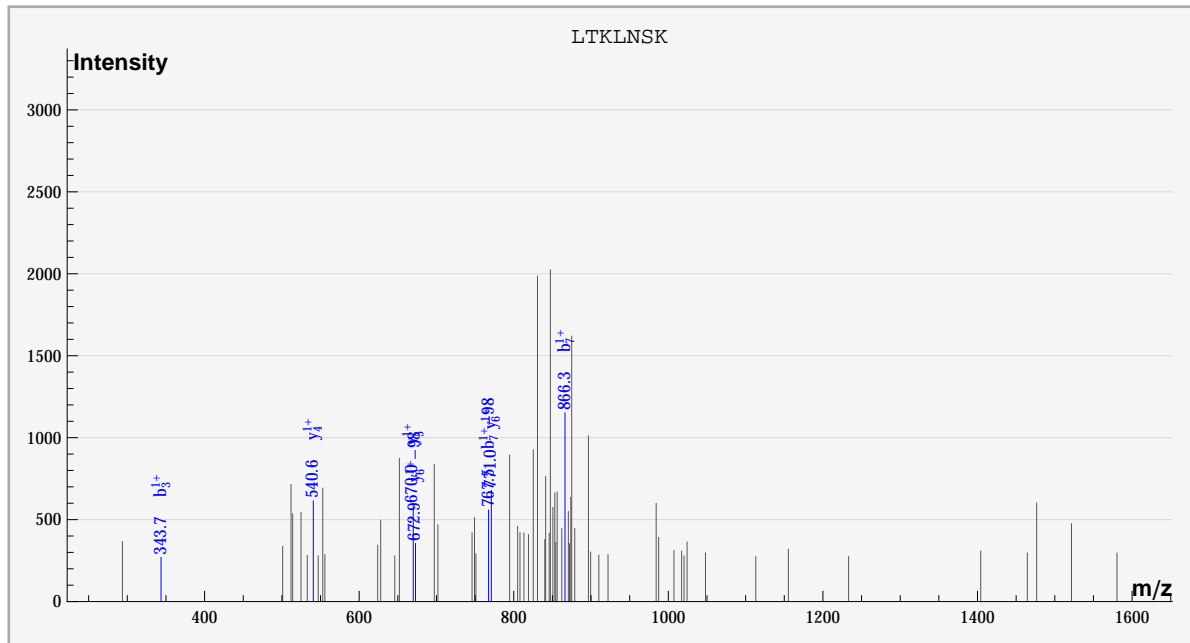
S\_Acido\_new%gi|68566626|gb|AAY79555.1| KTTESTH%:::PHOS::%sample\_3%compd\_684



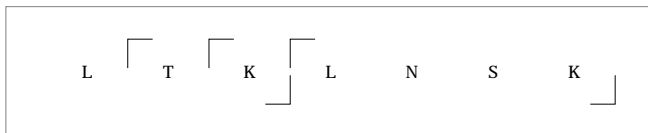
	#	b	b*	#	y	y*	P	P*
K	1							✓
T	2			6		✓		
T	3			5	✓	✓		
E	4			4		✓		
S	5			3				
T	6			2	✓			
H	7	✓		1				



dbValid true LTKLNSK PHOS(1) 1. 885. -1.53517 5.65587 100. ? 2166.  
 S\_Acido\_new%gi|68568670|gb|AAY81599.1| LTKLNSK%.....PHOS::%sample\_2%cmpd\_835

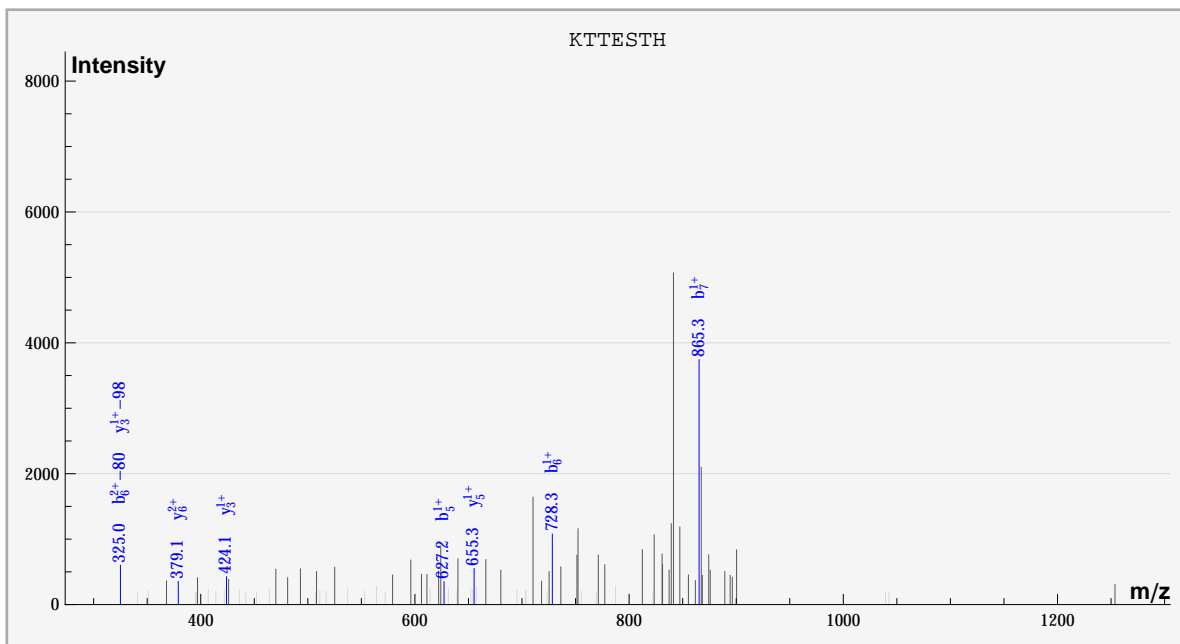


	#	b	b*	#	y	y*	P	P*
L	1							
T	2			6	✓	✓		
K	3	✓		5	✓			
L	4			4	✓			
N	5			3				
S	6			2				
K	7	✓	✓	1				

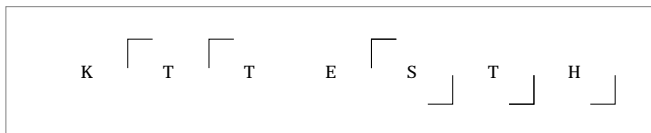




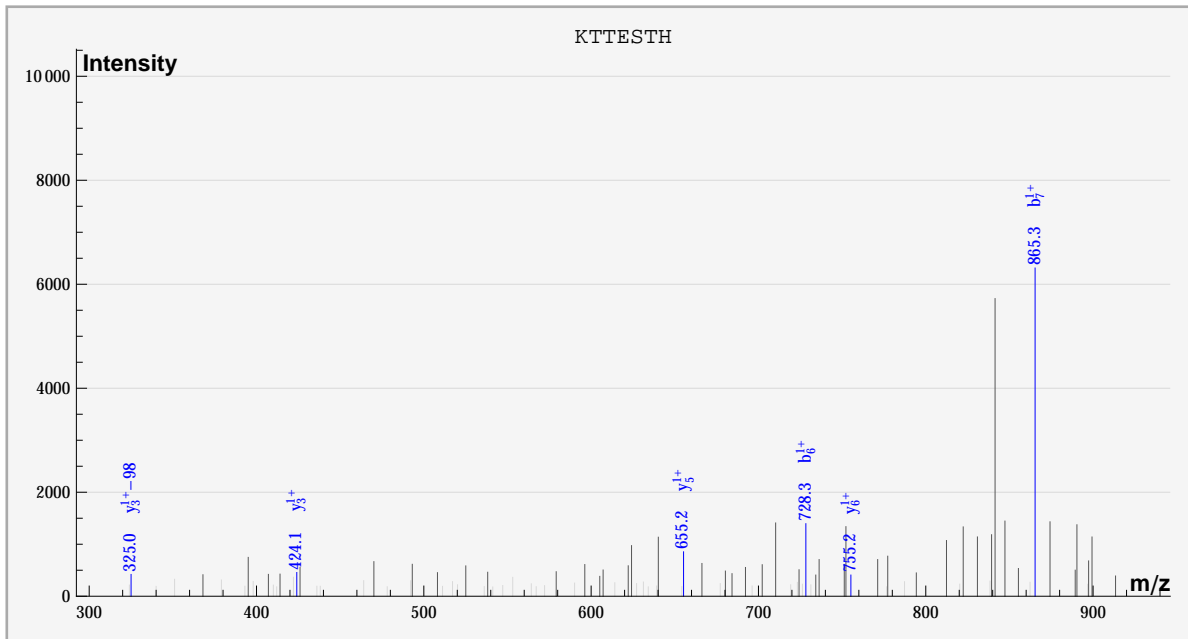
dbValid true KTTESTH PHOS(1) 1. 885. -1.64432 5.37859 100. ? 2532.  
 S\_Acido\_new%gi|68566626|gb|AAY79555.1| KTTESTH%::::PHOS:::sample\_1%compd\_1098



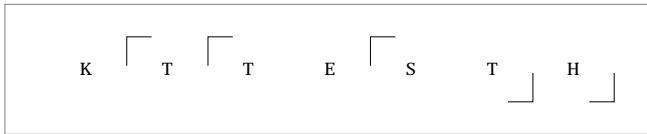
	#	b	b*	#	y	y*	P	P*
K	1							
T	2			6	✓			
T	3			5	✓			
E	4			4				
S	5	✓		3	✓	✓		
T	6	✓	✓	2				
H	7	✓		1				



dbValid true KTTESTH PHOS(1) 1. 885. -1.64432 5.16106 100. ? 2538.  
 S\_Acido\_new%gi|68566626|gb|AAY79555.1| KTTESTH%::::PHOS:::sample\_3%cmpd\_1074

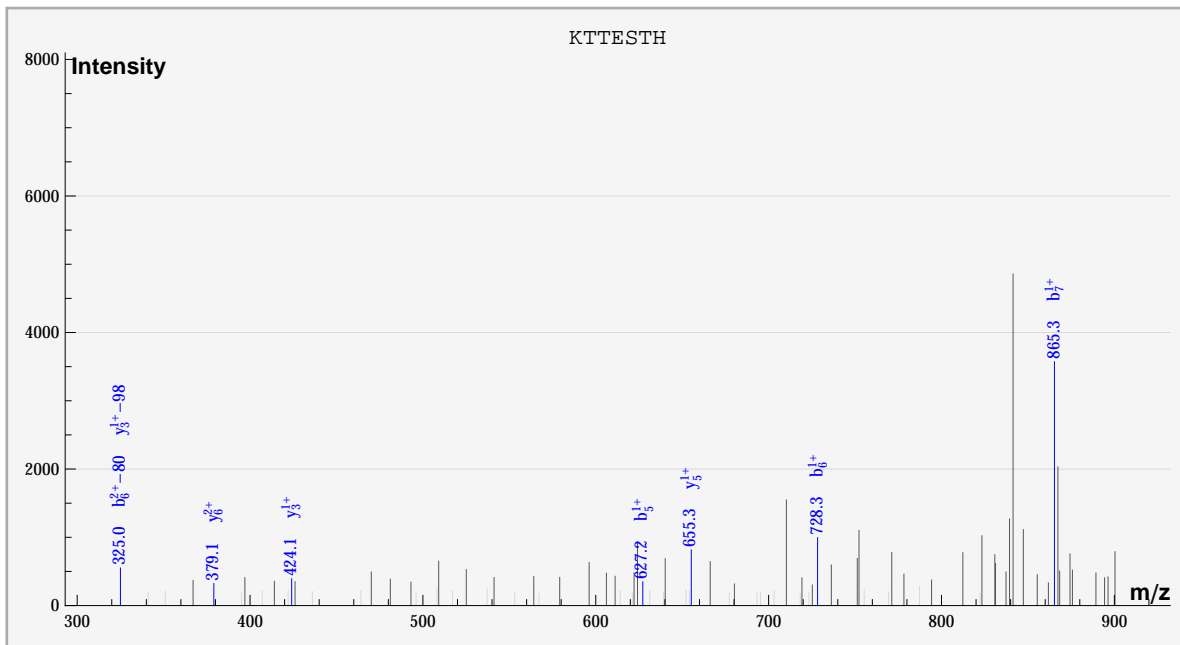


	#	b	b*	#	y	y*	P	P*
K	1							
T	2			6	✓			
T	3			5	✓			
E	4			4				
S	5			3	✓	✓		
T	6	✓		2				
H	7	✓		1				

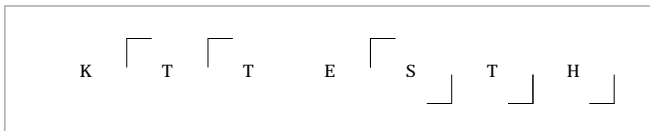


dbValid true KTTESTH PHOS(1) 1. 885. -1.64432 5.29323 100. ? 2544.

S\_Acido\_new%gi68566626|gb|AAY79555.1| KTTESTH%::::PHOS:::sample\_1%compd\_1108

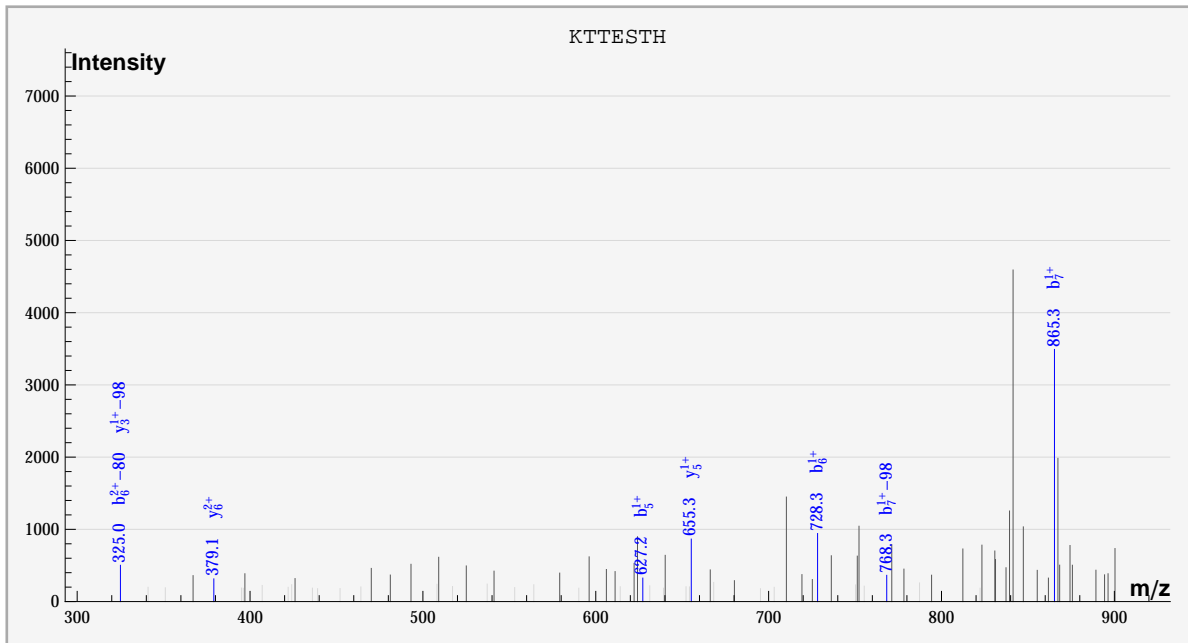


	#	b	b*	#	y	y*	P	P*
K	1							
T	2			6	✓			
T	3			5	✓			
E	4			4				
S	5	✓		3	✓	✓		
T	6	✓	✓	2				
H	7	✓		1				

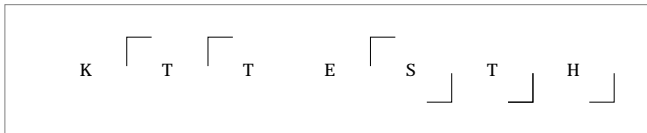


dbValid true KTTESTH PHOS(1) 1. 885. -1.64432 5.17967 100. ? 2556.

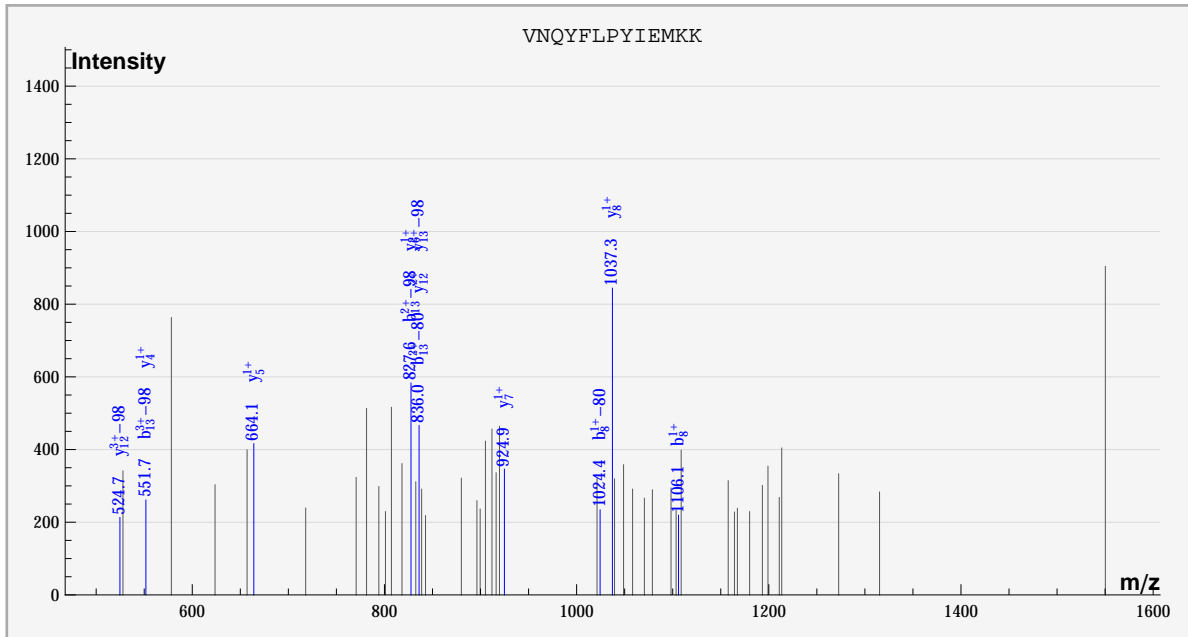
S\_Acido\_new%gi68566626|gb|AAY79555.1| KTTESTH%::::PHOS:::sample\_1%compd\_1118



	#	b	b*	#	y	y*	P	P*
K	1							
T	2			6	✓			
T	3			5	✓			
E	4			4				
S	5	✓		3		✓		
T	6	✓	✓	2				
H	7	✓	✓	1				



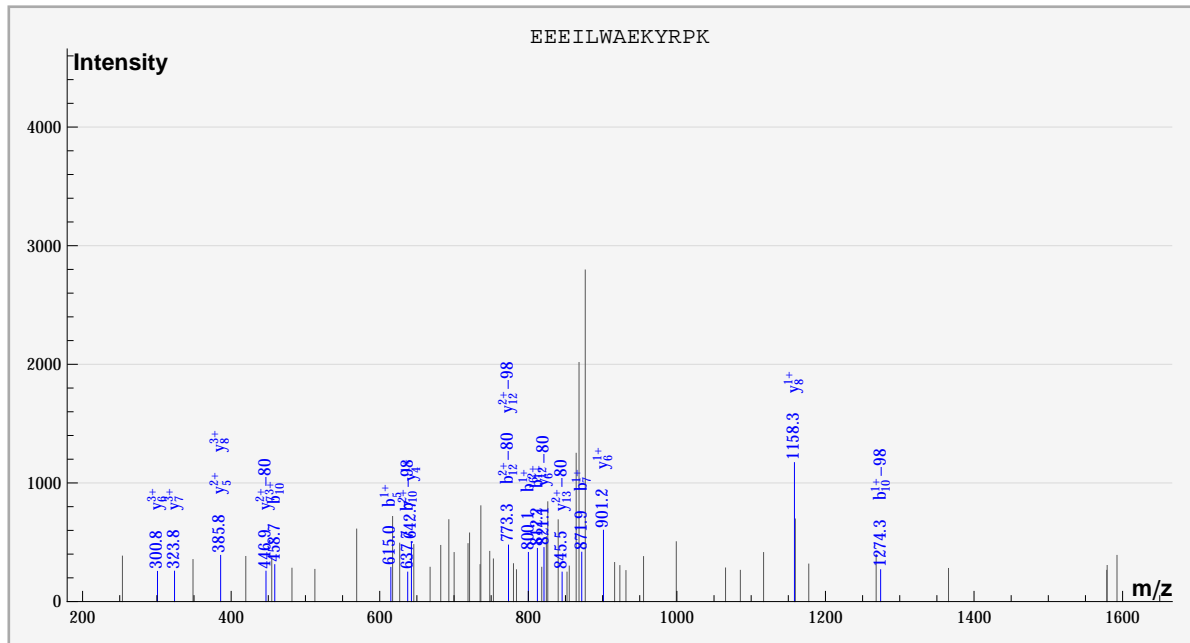
dbValid true VNQYFLPYIEMKK Oxidation\_M(1),PHOS(1) 2. 886. -1.0774 5.12179 100. ? 5202.  
 S\_Acido\_new%gil68567430|gb|AAy80359.1| VNQYFLPYIEMKK%::::PHOS:::::Oxidation\_M:::%sample\_1%compd\_3601



	#	b	b*	#	y	y*	P	P*
V	1							✓
N	2			12	✓	✓		
Q	3			11				
Y	4			10				
F	5			9				
L	6			8	✓			
P	7			7	✓			
Y	8	✓	✓	6	✓			
I	9			5	✓			
E	10			4	✓			
M	11			3				
K	12			2				
K	13		✓	1				

┌ V ─┐ ┌ N ─┐ Q ─┐ Y ─┐ F ─┐ ┌ L ─┐ ┌ P ─┐ ┌ Y ─┐ ┌ I ─┐ ┌ E ─┐ M ─┐ K ─┐ K ─┐

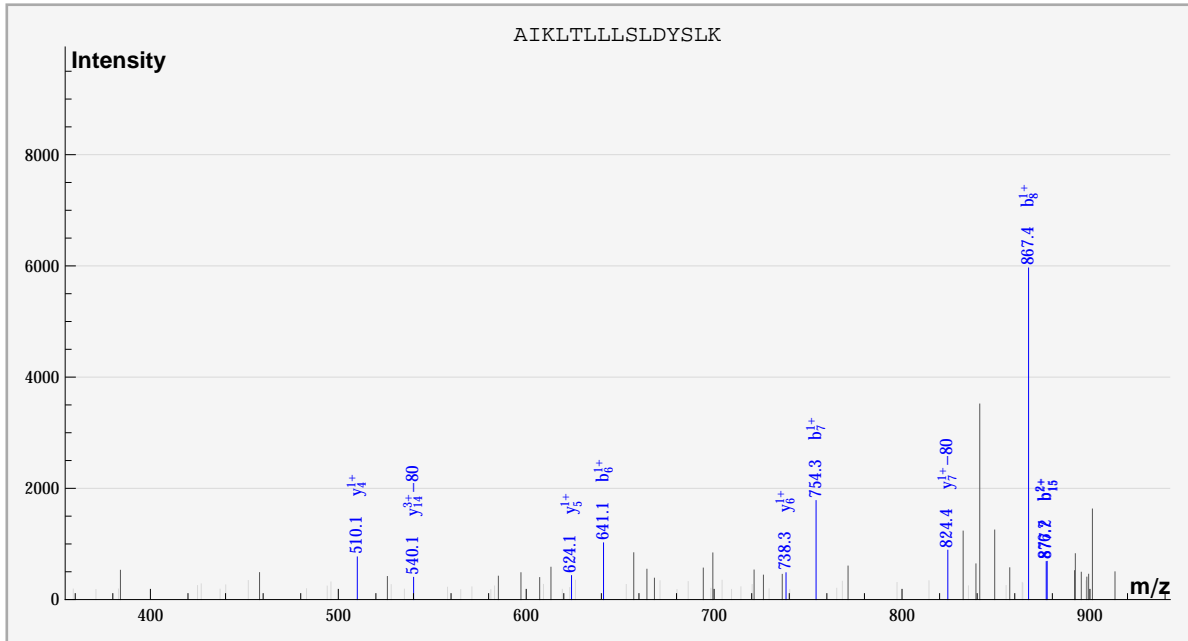
dbValid true EEEILWAEKYRPK PHOS(1) 2. 887. -1.07327 5.34412 100. ? 2154.  
 S\_Acido\_new%gi|68567341|gb|AA80270.1| EEEILWAEKYRPK%:::PHOS:::sample\_1%compd\_828



	#	b	b*	#	y	y*	P	P*
E	1							✓
E	2			12		✓		
E	3			11				
I	4			10				
L	5	✓		9				
W	6	✓		8	✓			
A	7	✓		7	✓	✓		
E	8			6	✓	✓		
K	9			5	✓			
Y	10	✓	✓	4	✓			
R	11			3				
P	12	✓	✓	2				
K	13			1				

「 E 「 E E I L 「 W 「 A 「 E 「 K 「 Y 「 R P 「 K

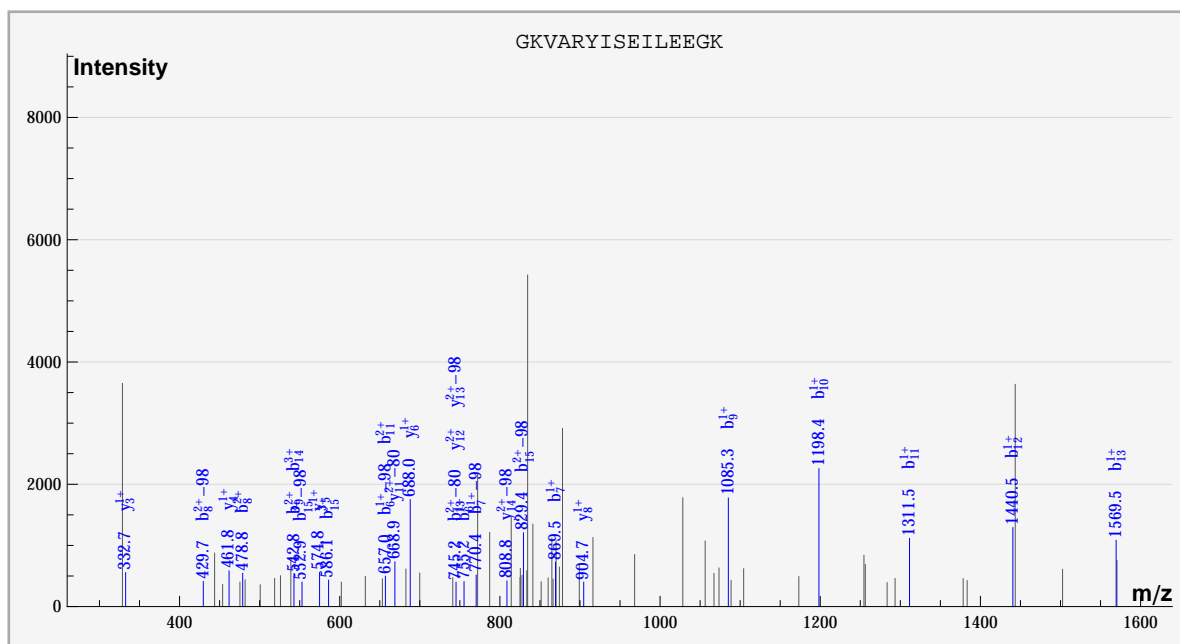
dbValid true AIKLTLLSLDYSLK PHOS(1) 2. 887. -0.995553 5.13899 100. ? 3024.  
 S\_Acido\_new%gi|68567718|gb|AAY80647.1| AIKLTLLSLDYSLK%:::PHOS:::sample\_3%compd\_1474



	#	b	b*	#	y	y*	P	P*
A	1							
I	2			14		✓		
K	3			13				
L	4			12				
T	5			11				
L	6	✓		10				
L	7	✓		9				
L	8	✓		8				
S	9			7		✓		
L	10			6	✓			
D	11			5	✓			
Y	12			4	✓			
S	13			3				
L	14			2				
K	15	✓		1				

A I K L T L L L S L D Y S L K

dbValid true GKVARYISEILEEGK PHOS(1) 2. 888. -1.54689 5.56712 100. ? 1824.  
 S\_Acido\_new%gi|68567177|gb|AAy80106.1| GKVARYISEILEEGK%::::PHOS::::::::::%sample\_2%cmpd\_527

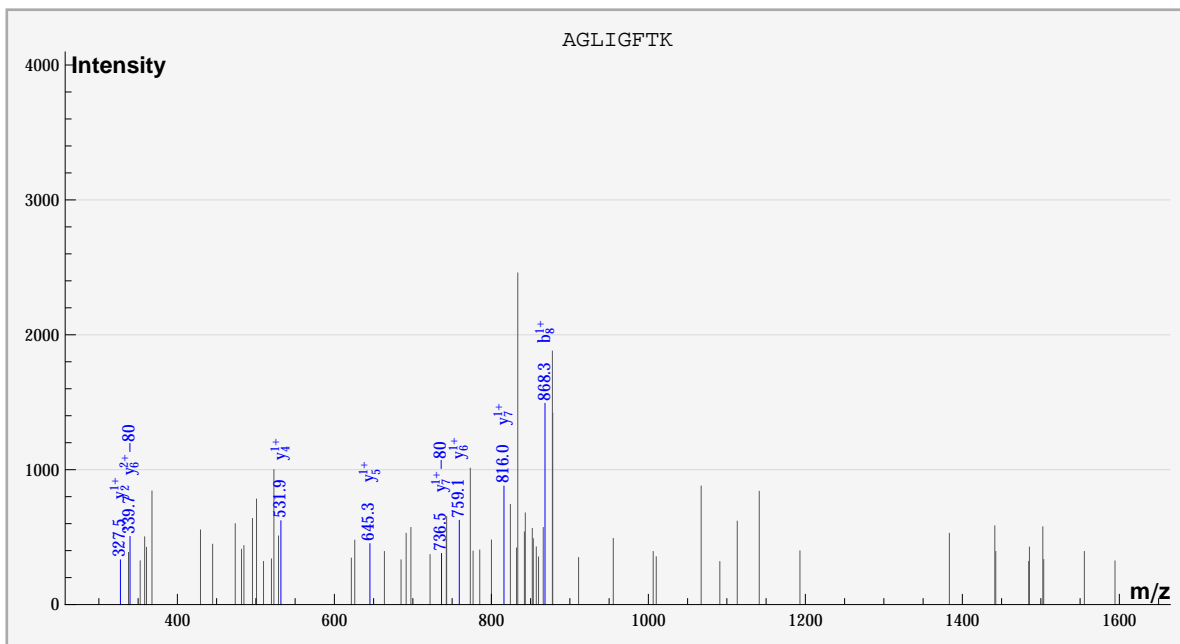


	#	b	b*	#	y	y*	P	P*
G	1							
K	2			14		✓		
V	3			13		✓		
A	4			12	✓			
R	5			11		✓		
Y	6	✓	✓	10				
I	7	✓	✓	9				
S	8	✓	✓	8	✓			
E	9	✓		7				
I	10	✓		6	✓			
L	11	✓		5	✓			
E	12	✓		4	✓			
E	13	✓	✓	3	✓			
G	14	✓		2				
K	15	✓	✓	1				

G [ K [ V [ A [ R [ Y ] I ] S ] E ] I ] L ] E ] E ] G ] K ]



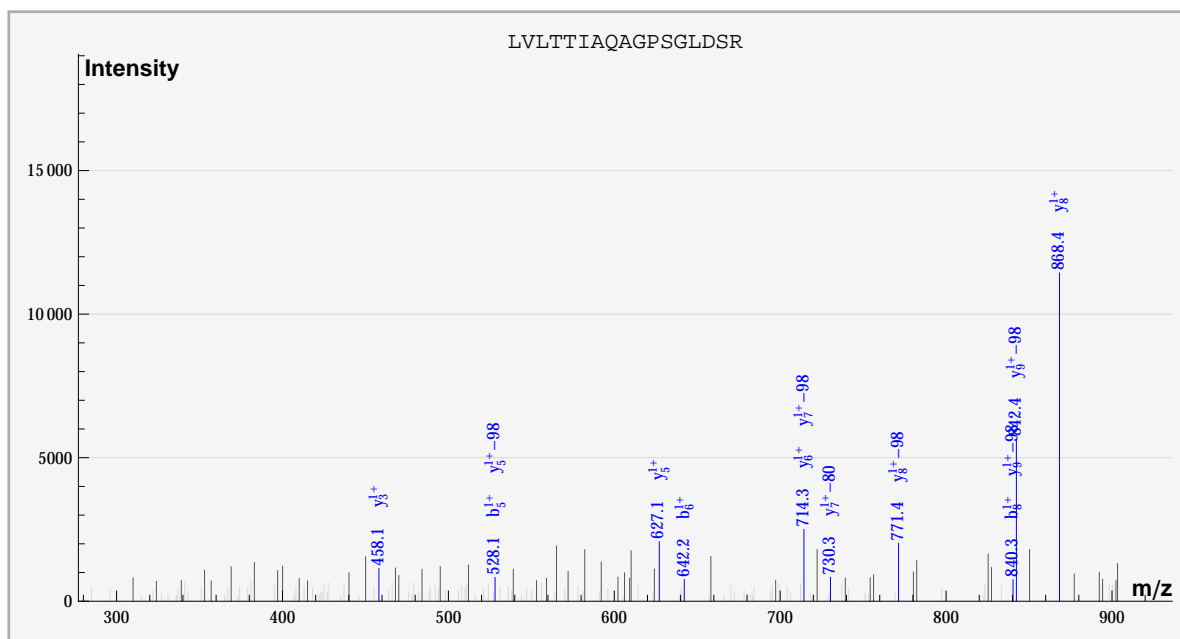
dbValid true AGLIGFTK PHOS(1) 1. 888. -1.55665 5.10344 100. ? 1896.  
 S\_Acido\_new%gi|68568339|gb|AAY81268.1| AGLIGFTK%::::::PHOS::%sample\_1%cmpd\_596



	#	b	b*	#	y	y*	P	P*
A	1							
G	2			7	✓	✓		
L	3			6	✓	✓		
I	4			5	✓			
G	5			4	✓			
F	6			3				
T	7			2	✓			
K	8	✓		1				



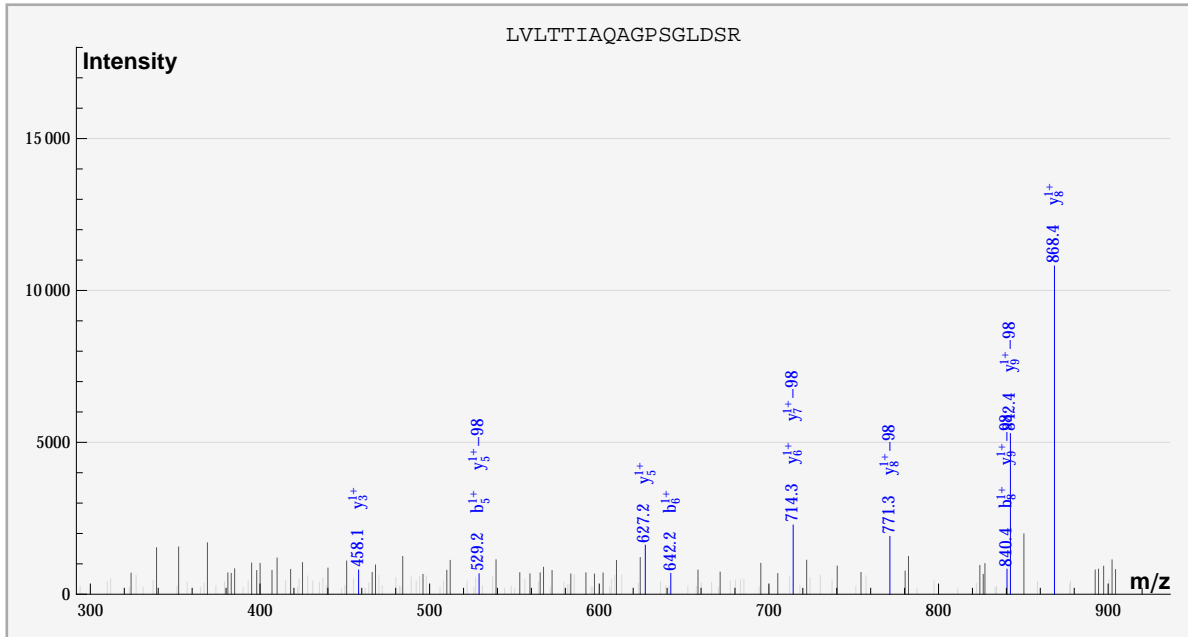
dbValid true LVLTTIAQAGPSGLDSR PHOS(1) 2. 888. 1.95602 5.12159 100. ? 2172.  
 S\_Acido\_new%gi|68567660|gb|AA80589.1| LVLTTIAQAGPSGLDSR%:.....:PHOS::%sample\_1%compd\_793



	#	b	b*	#	y	y*	P	P*
L	1							
V	2			16				
L	3			15				
T	4			14				
T	5	✓		13				
I	6	✓		12				
A	7			11				
Q	8	✓		10				
A	9			9		✓		
G	10			8	✓	✓		
P	11			7		✓		
S	12			6	✓	✓		
G	13			5	✓	✓		
L	14			4				
D	15			3	✓			
S	16			2				
R	17			1				

L V L T T I A Q A G P S G L D S R

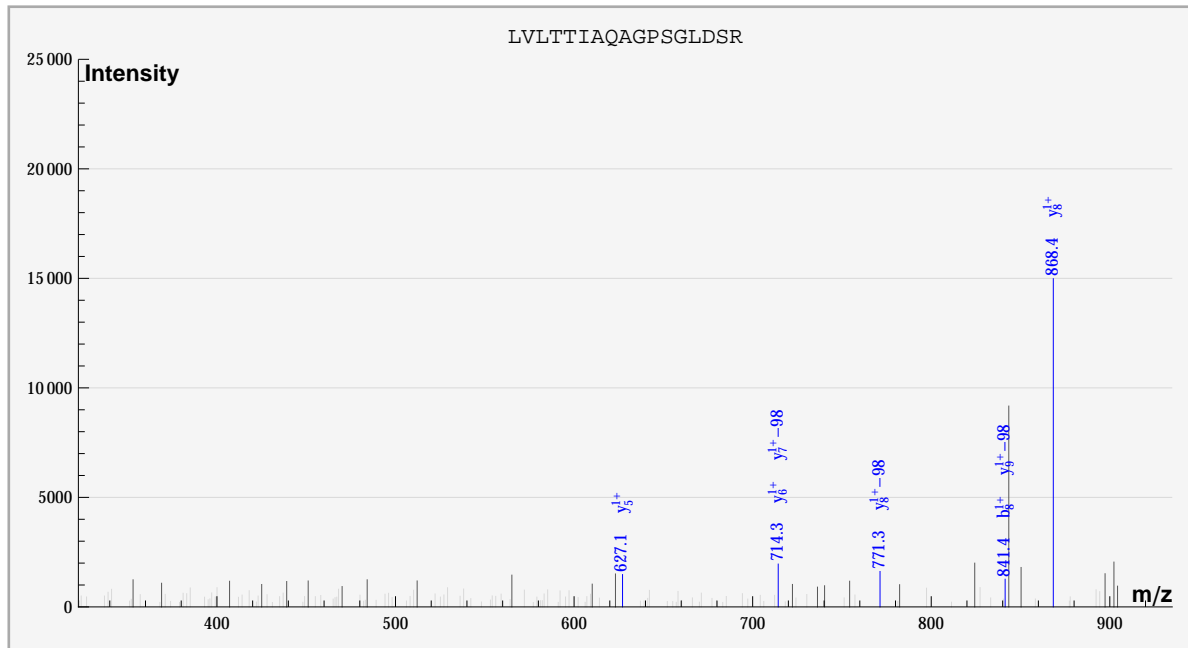
dbValid true LVLTTIAQAGPSGLDSR PHOS(1) 2. 888. 1.95602 5.30893 100. ? 2214.  
 S\_Acido\_new%gil68567660|gb|AAy80589.1| LVLTTIAQAGPSGLDSR%:.....PHOS::%sample\_3%compd\_800



	#	b	b*	#	y	y*	P	P*
L	1							
V	2			16				
L	3			15				
T	4			14				
T	5	✓		13				
I	6	✓		12				
A	7			11				
Q	8	✓		10				
A	9			9		✓		
G	10			8	✓	✓		
P	11			7		✓		
S	12			6	✓	✓		
G	13			5	✓	✓		
L	14			4				
D	15			3	✓			
S	16			2				
R	17			1				

L V L T T I A Q A G P S G L D S R

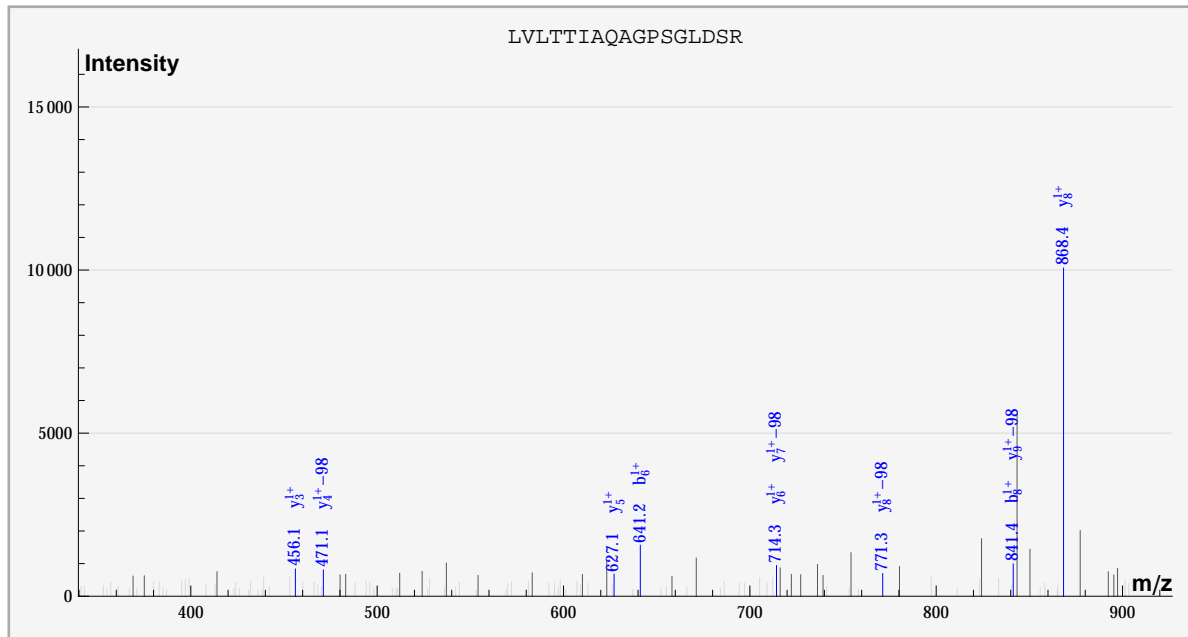
dbValid true LVLTTIAQAGPSGLDSR PHOS(1) 2. 888. 1.95602 5.17735 100. ? 2250.  
 S\_Acido\_new%gi|68567660|gb|AA80589.1| LVLTTIAQAGPSGLDSR%:::PHOS::%sample\_3%compd\_831



	#	b	b*	#	y	y*	P	P*
L	1							
V	2			16				
L	3			15				
T	4			14				
T	5			13				
I	6			12				
A	7			11				
Q	8	✓		10				
A	9			9		✓		
G	10			8	✓	✓		
P	11			7		✓		
S	12			6	✓			
G	13			5	✓			
L	14			4				
D	15			3				
S	16			2				
R	17			1				

L V L T T I A Q ] A [ G [ P [ S [ G L D S R

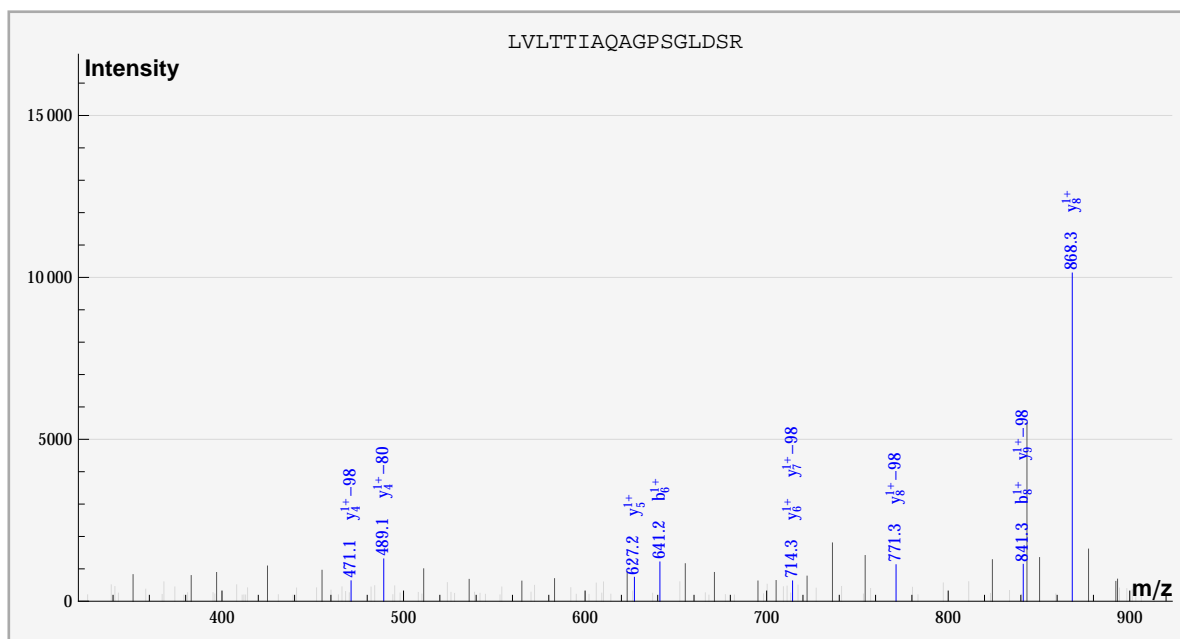
dbValid true LVLTTIAQAGPSGLDSR PHOS(1) 2. 888. 1.95602 5.07655 100. ? 2454.  
 S\_Acido\_new%gi|68567660|gb|AAV80589.1| LVLTTIAQAGPSGLDSR%:::PHOS::%sample\_3%compd\_1006



	#	b	b*	#	y	y*	P	P*
L	1							
V	2			16				
L	3			15				
T	4			14				
T	5			13				
I	6	✓		12				
A	7			11				
Q	8	✓		10				
A	9			9		✓		
G	10			8	✓	✓		
P	11			7		✓		
S	12			6	✓			
G	13			5	✓			
L	14			4		✓		
D	15			3	✓			
S	16			2				
R	17			1				

L V L T T I A Q A G P S G L D S R

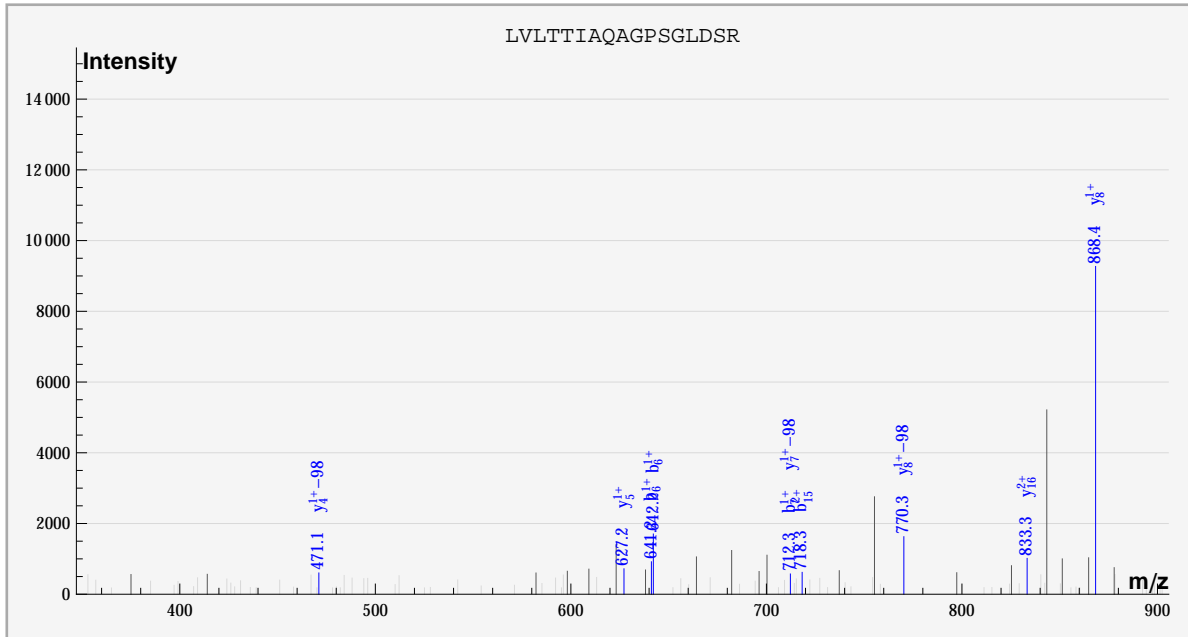
dbValid true LVLTTIAQAGPSGLDSR PHOS(1) 2. 888. 1.95602 5.31483 100. ? 2496.  
 S\_Acido\_new%gi|68567660|gb|AA80589.1| LVLTTIAQAGPSGLDSR%:::PHOS::%sample\_1%cmpd\_1070



	#	b	b*	#	y	y*	P	P*
L	1							
V	2			16				
L	3			15				
T	4			14				
T	5			13				
I	6	✓		12				
A	7			11				
Q	8	✓		10				
A	9			9		✓		
G	10			8	✓	✓		
P	11			7		✓		
S	12			6	✓			
G	13			5	✓			
L	14			4		✓		
D	15			3				
S	16			2				
R	17			1				

L V L T T I A Q A G P S G L D S R

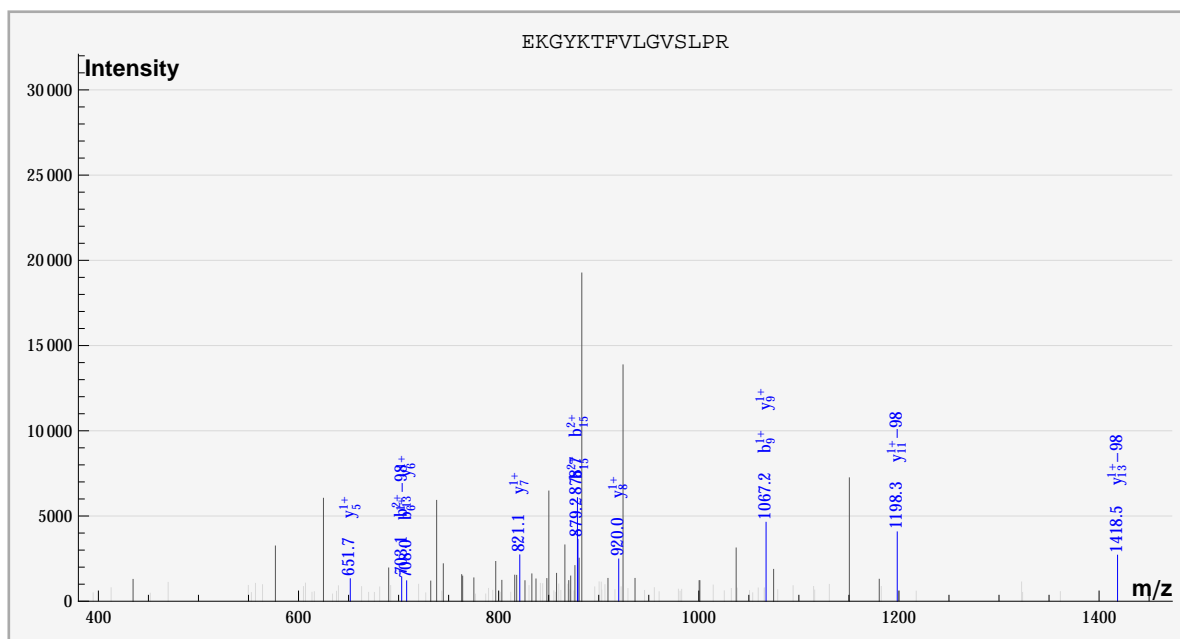
dbValid true LVLTTIAQAGPSGLDSR PHOS(1) 2. 888. 1.95602 5.26742 100. ? 2682.  
 S\_Acido\_new%gi|68567660|gb|AA80589.1| LVLTTIAQAGPSGLDSR%:::PHOS::%sample\_3%compd\_1201



	#	b	b*	#	y	y*	P	P*
L	1							
V	2			16	✓			
L	3			15				
T	4			14				
T	5			13				
I	6	✓		12				
A	7	✓		11				
Q	8			10				
A	9			9				
G	10			8	✓	✓		
P	11			7		✓		
S	12			6				
G	13			5	✓			
L	14			4		✓		
D	15	✓		3				
S	16			2				
R	17			1				

L V L T T I A Q A G P S G L D S R

dbValid true EKGYKTFVLGVSLPR PHOS(1) 2. 889. -1.53144 5.18775 100. ? 3648.  
 S\_Acido\_new%gi|68567718|gb|AAY80647.1| EKGYKTFVLGVSLPR%:.....PHOS:::%sample\_2%compd\_2194

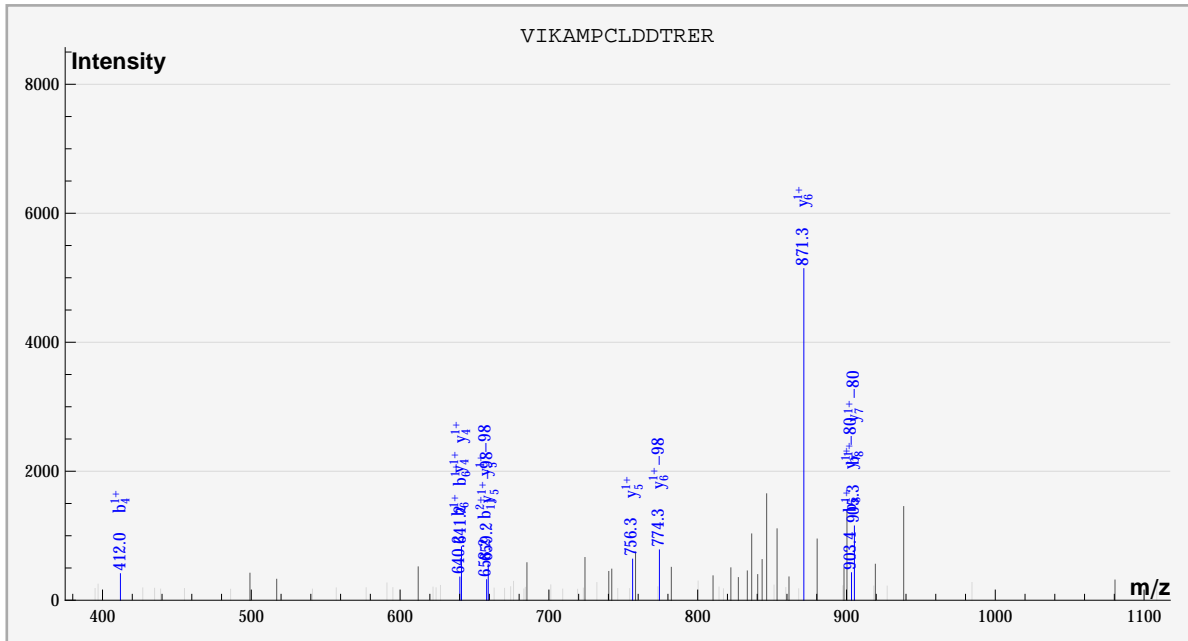


	#	b	b*	#	y	y*	P	P*
E	1							
K	2			14				
G	3			13		✓		
Y	4			12				
K	5			11		✓		
T	6	✓		10				
F	7			9		✓		
V	8			8		✓		
L	9	✓		7		✓		
G	10			6		✓		
V	11			5		✓		
S	12			4				
L	13		✓	3				
P	14			2				
R	15	✓		1				

E K [G Y [K T ] F [V [L ] G [V S L ] P R ]



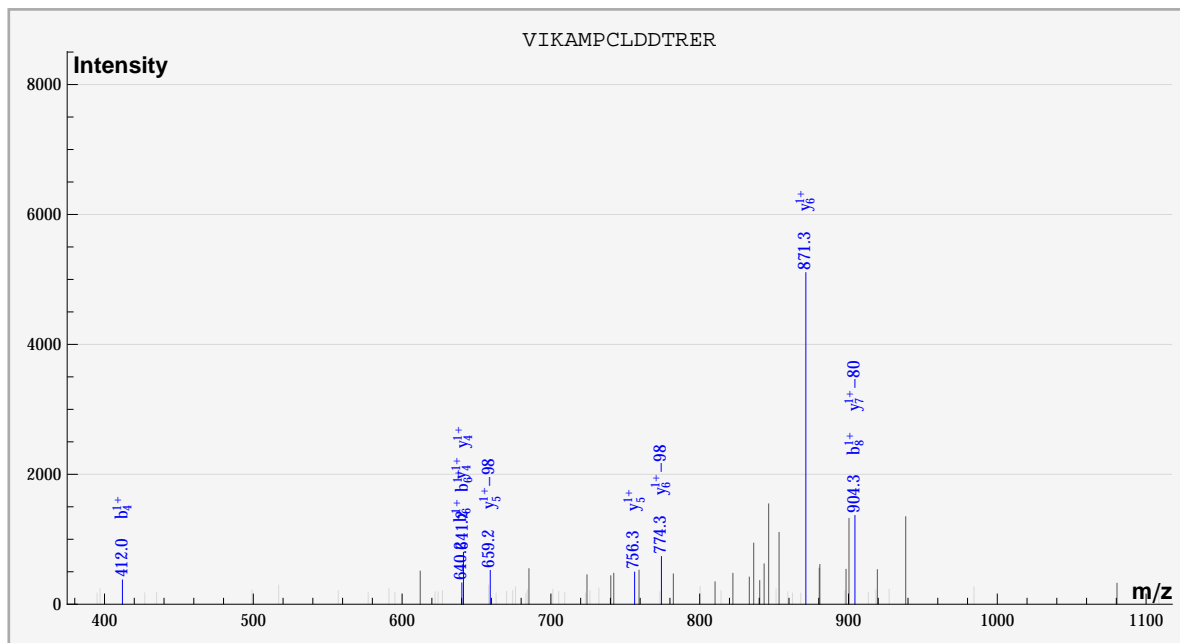
dbValid true VIKAMPCLDDTRER Cys\_CAM(1),PHOS(1) 2. 891. 1.41515 5.51741 100. ? 3012.  
 S\_Acido\_new%gil68568623|gb|AAy81552.1| VIKAMPCLDDTRER%:::Cys\_CAM:::PHOS:::sample\_2%compd\_1394



	#	b	b*	#	y	y*	P	P*
V	1							
I	2			13				
K	3			12				
A	4	✓		11				
M	5			10				
P	6	✓		9				
C	7			8				
L	8	✓		7		✓		
D	9			6	✓	✓		
D	10			5	✓	✓		
T	11	✓		4	✓			
R	12			3				
E	13			2				
R	14			1				

V I K A M P C L D D T R E R

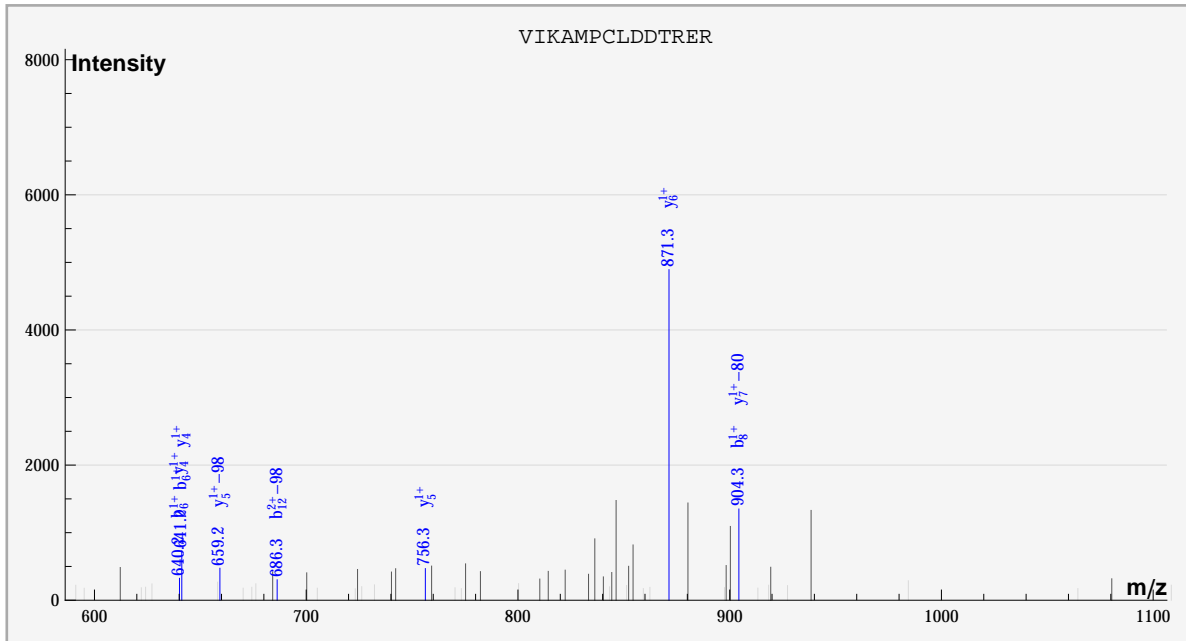
dbValid true VIKAMPLDDTRER Cys\_CAM(1),PHOS(1) 2. 891. 1.41515 5.36148 100. ? 3024.  
 S\_Acido\_new%gil68568623|glb|AAY81552.1| VIKAMPLDDTRER%:::Cys\_CAM:::PHOS:::sample\_2%compd\_1404



	#	b	b*	#	y	y*	P	P*
V	1							
I	2			13				
K	3			12				
A	4	✓		11				
M	5			10				
P	6	✓		9				
C	7			8				
L	8	✓		7		✓		
D	9			6	✓	✓		
D	10			5	✓	✓		
T	11			4	✓			
R	12			3				
E	13			2				
R	14			1				

V I K A M P C L D D T R E R

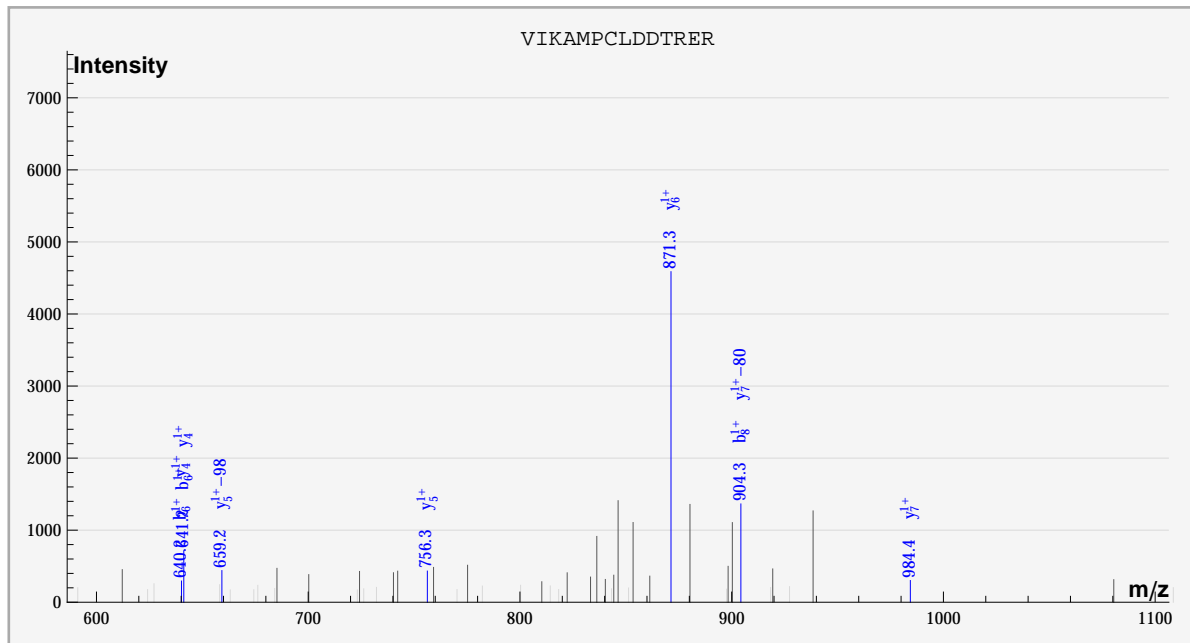
dbValid true VIKAMPCLDDTRER Cys\_CAM(1),PHOS(1) 2. 891. 1.41515 5.24712 100. ? 3036.  
 S\_Acido\_new%gil68568623|gb|AAY81552.1| VIKAMPCLDDTRER%:::Cys\_CAM:::PHOS:::%sample\_2%compd\_1414



	#	b	b*	#	y	y*	P	P*
V	1							
I	2			13				
K	3			12				
A	4			11				
M	5			10				
P	6	✓		9				
C	7			8				
L	8	✓		7		✓		
D	9			6	✓			
D	10			5	✓	✓		
T	11			4	✓			
R	12		✓	3				
E	13			2				
R	14			1				

V I K A M P C L D D T R E R

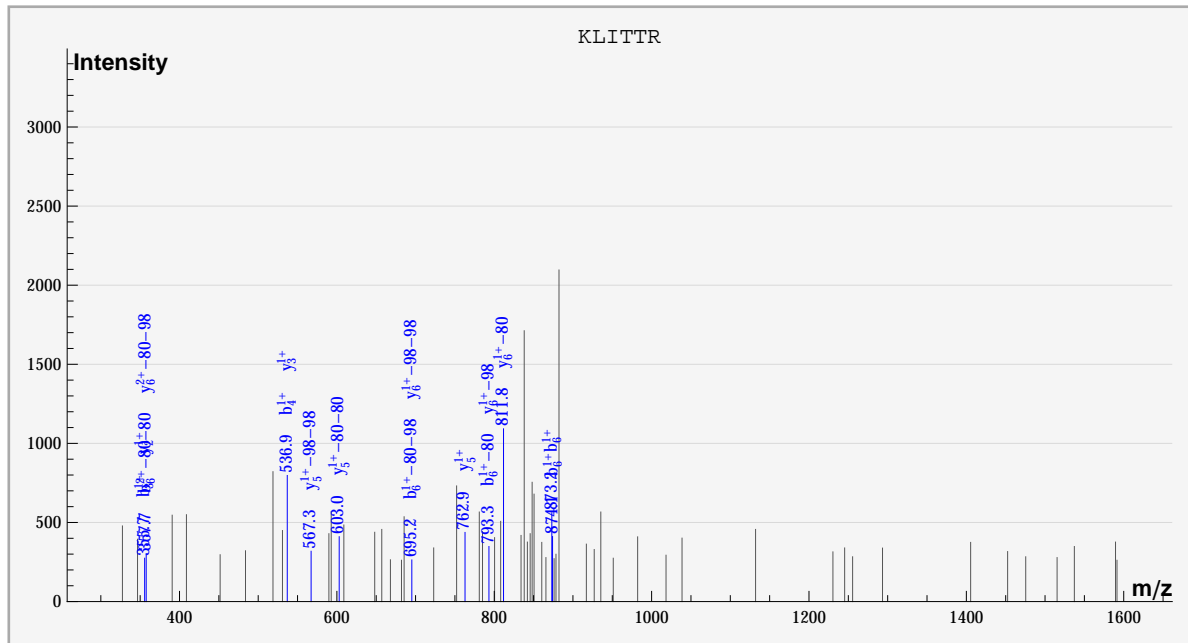
dbValid true VIKAMPCLDDTRER Cys\_CAM(1),PHOS(1) 2. 891. 1.41515 5.25745 100. ? 3048.  
 S\_Acido\_new%gil68568623|gb|AAY81552.1| VIKAMPCLDDTRER%:::Cys\_CAM:::PHOS:::%sample\_2%compd\_1424



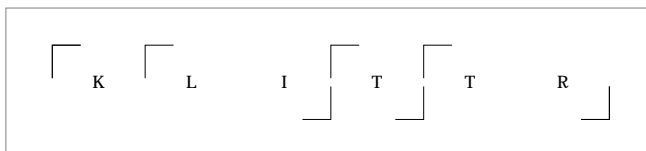
	#	b	b*	#	y	y*	P	P*
V	1							
I	2			13				
K	3			12				
A	4			11				
M	5			10				
P	6	✓		9				
C	7			8				
L	8	✓		7	✓	✓		
D	9			6	✓			
D	10			5	✓	✓		
T	11			4	✓			
R	12			3				
E	13			2				
R	14			1				

V I K A M P C L D D T R E R

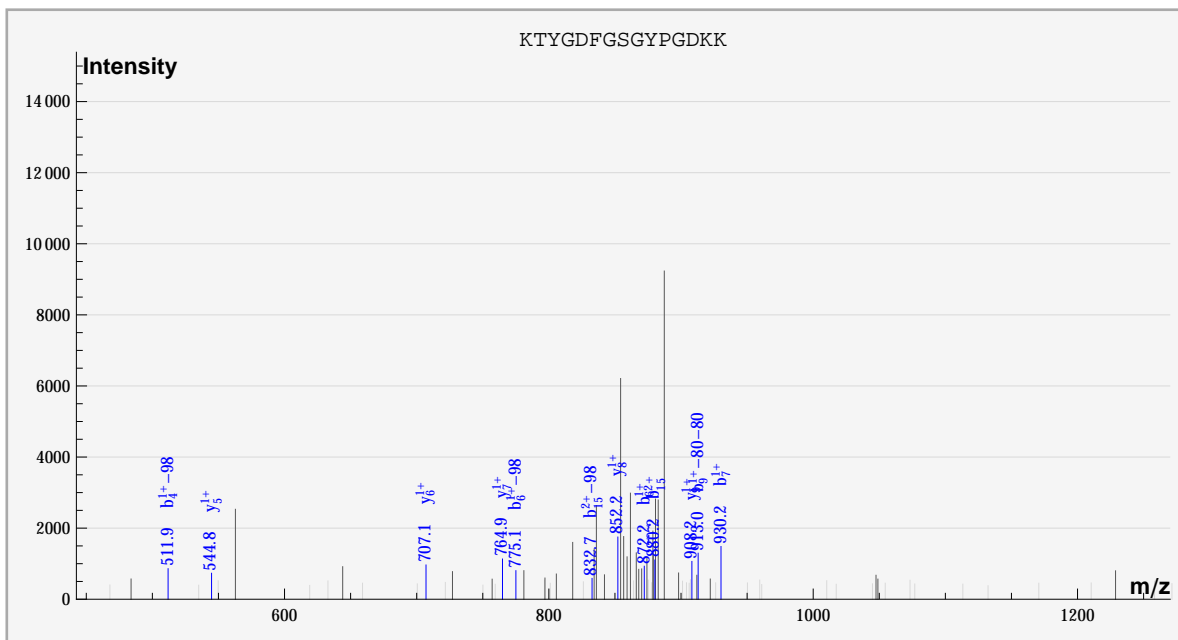
dbValid true KLITTR PHOS(2) 1. 892. -0.589995 5.21414 100. ? 1884.  
 S\_Acido\_new%gil68566637|gb|AA79566.1| KLITTR%:::PHOS:PHOS::%sample\_3%compd\_577



	#	b	b*	#	y	y*	P	P*
K	1							✓
L	2			5	✓	✓		
I	3	✓		4				
T	4	✓		3	✓			
T	5			2	✓			
R	6	✓	✓	1				



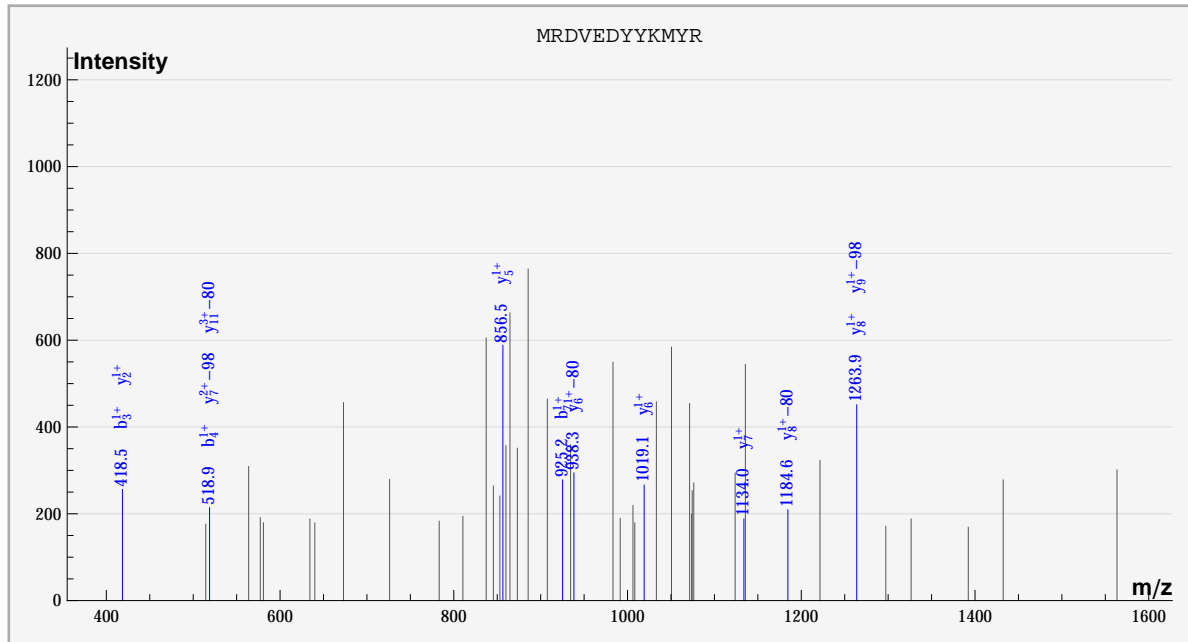
dbValid true KTYGDFGSGYPGDKK PHOS(2) 2. 892. -1.64506 5.76967 100. ? 2742.  
 S\_Acido\_new%gi|68567391|gb|AA80320.1| KTYGDFGSGYPGDKK%::PHOS:PHOS:::sample\_3%compd\_1364



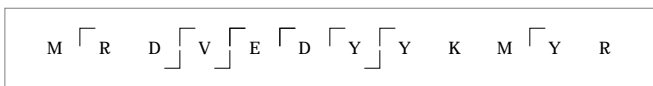
	#	b	b*	#	y	y*	P	P*
K	1							
T	2			14				
Y	3			13				
G	4		✓	12				
D	5			11				
F	6	✓	✓	10				
G	7	✓		9	✓			
S	8			8	✓			
G	9		✓	7	✓			
Y	10			6	✓			
P	11			5	✓			
G	12			4				
D	13			3				
K	14			2				
K	15	✓	✓	1				

K T Y G D F G S G Y P G D K K

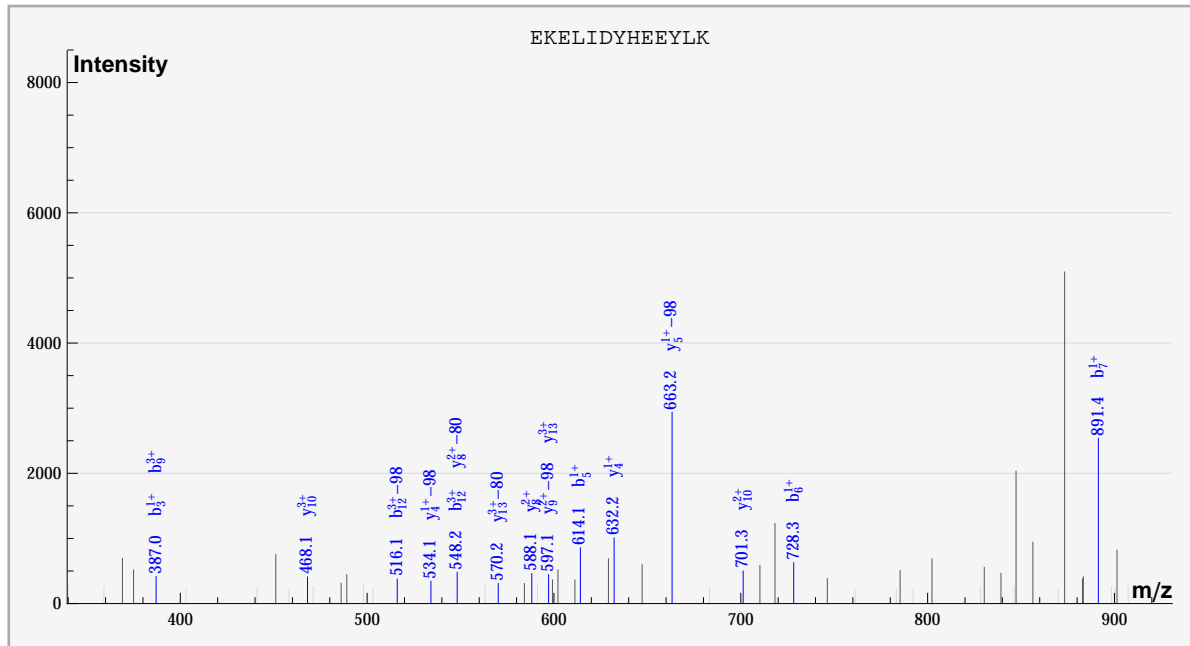
dbValid true MRDVEDYYKMYR Oxidation\_M(2),PHOS(1) 2. 892.  
 -1.14287 5.91058 100. ? 4878. S\_Acido\_new%gi68566757|gb|AAY79686.1|  
 MRDVEDYYKMYR%:Oxidation\_M:.....Oxidation\_M:PHOS::%sample\_3%compd\_3316



	#	b	b*	#	y	y*	P	P*
M	1							
R	2			11		✓		
D	3	✓		10				
V	4	✓		9		✓		
E	5			8	✓	✓		
D	6			7	✓	✓		
Y	7	✓		6	✓	✓		
Y	8			5	✓			
K	9			4				
M	10			3				
Y	11			2	✓			
R	12			1				



dbValid true EKELIDYHEEYLK PHOS(1) 2. 893. 1.9082 5.31972 100. ? 2490.  
 S\_Acido\_new%gi|68566552|gb|AAY79481.1| EKELIDYHEEYLK%:::PHOS:::sample\_2%compd\_999



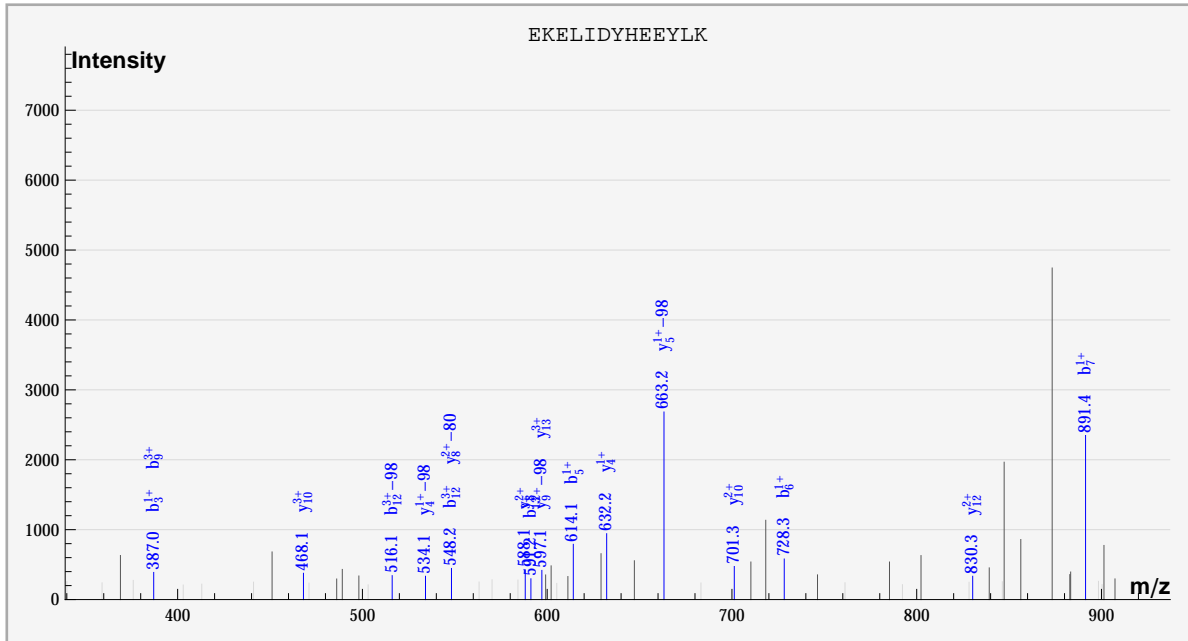
	#	b	b*	#	y	y*	P	P*
E	1						✓	✓
K	2			12				
E	3	✓		11				
L	4			10	✓			
I	5	✓		9		✓		
D	6	✓		8	✓	✓		
Y	7	✓		7				
H	8			6				
E	9	✓		5		✓		
E	10			4	✓	✓		
Y	11			3				
L	12	✓	✓	2				
K	13			1				

[ E K E ] [ L ] [ I ] [ D ] [ Y ] [ H ] [ E ] [ E ] [ Y ] [ L ] [ K ]



dbValid true EKELIDYHEEYLK PHOS(1) 2. 893. 1.9082 5.31799 100. ? 2502.

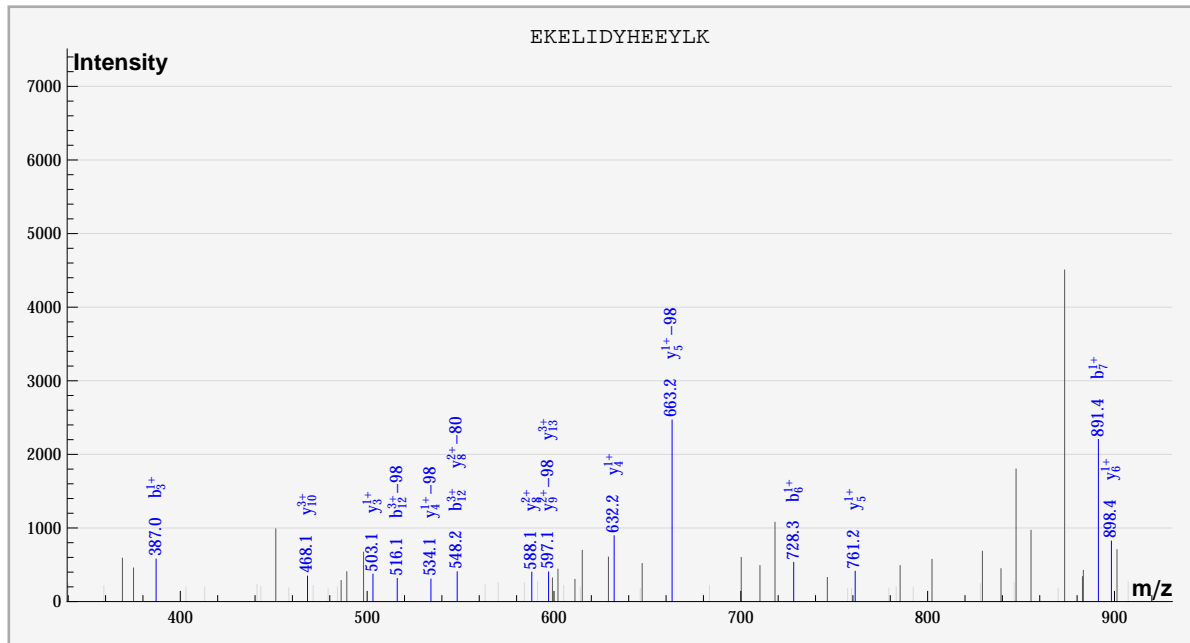
S\_Acido\_new%gi|68566552|gb|AA79481.1| EKELIDYHEEYLK%:.....:PHOS::%sample\_2%cmpd\_1008



	#	b	b*	#	y	y*	P	P*
E	1							✓
K	2			12	✓			
E	3	✓		11				
L	4			10	✓			
I	5	✓		9		✓		
D	6	✓		8	✓	✓		
Y	7	✓		7				
H	8			6				
E	9	✓		5		✓		
E	10			4	✓	✓		
Y	11			3				
L	12	✓	✓	2				
K	13	✓		1				

[ E ] [ K ] [ E ] [ L ] [ I ] [ D ] [ Y ] [ H ] [ E ] [ E ] [ Y ] [ L ] [ K ]

dbValid true EKELIDYHEEYLK PHOS(1) 2. 893. 1.9082 5.5858 100. ? 2514.  
 S\_Acido\_new%gi|68566552|gb|AA79481.1| EKELIDYHEEYLK%:.....PHOS::%sample\_2%cmpd\_1017

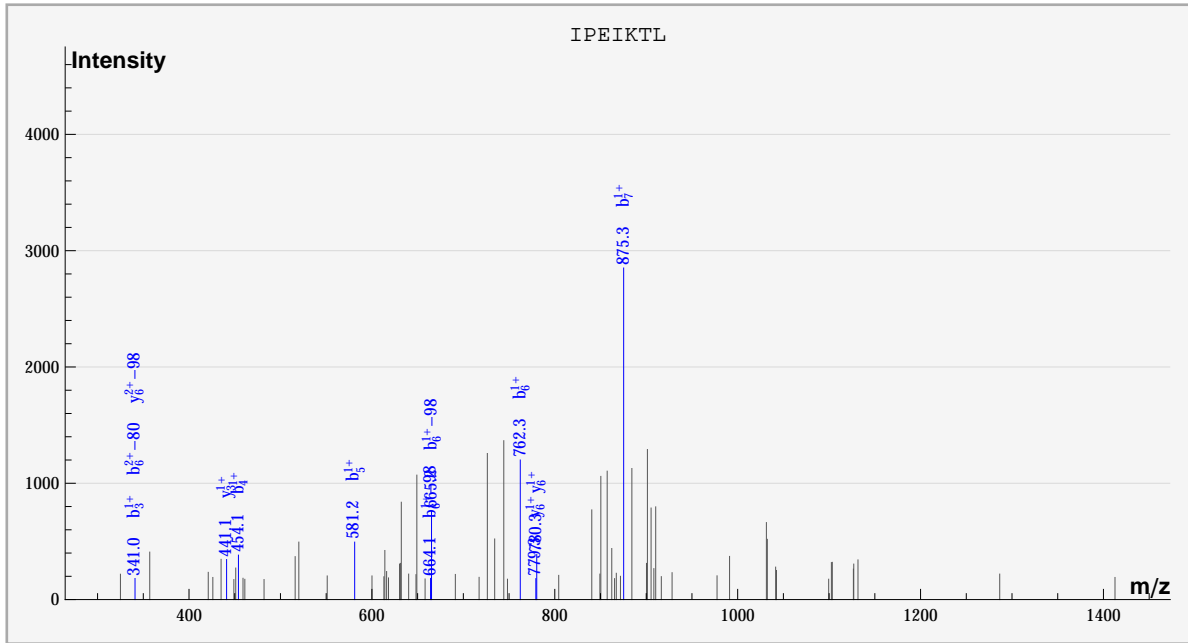


	#	b	b*	#	y	y*	P	P*
E	1							✓
K	2			12				
E	3	✓		11				
L	4			10	✓			
I	5			9		✓		
D	6	✓		8	✓	✓		
Y	7	✓		7				
H	8			6	✓			
E	9			5	✓	✓		
E	10			4	✓	✓		
Y	11			3	✓			
L	12	✓	✓	2				
K	13			1				

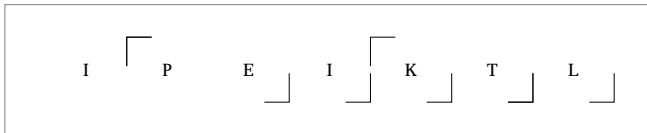


dbValid true IPEIKTL PHOS(1) 1. 895. -1.52568 5.56429 100. ? 3132.

S\_Acido\_new%gi68567864|gb|AAY80793.1| IPEIKTL%:::PHOS::%sample\_2%compd\_1493

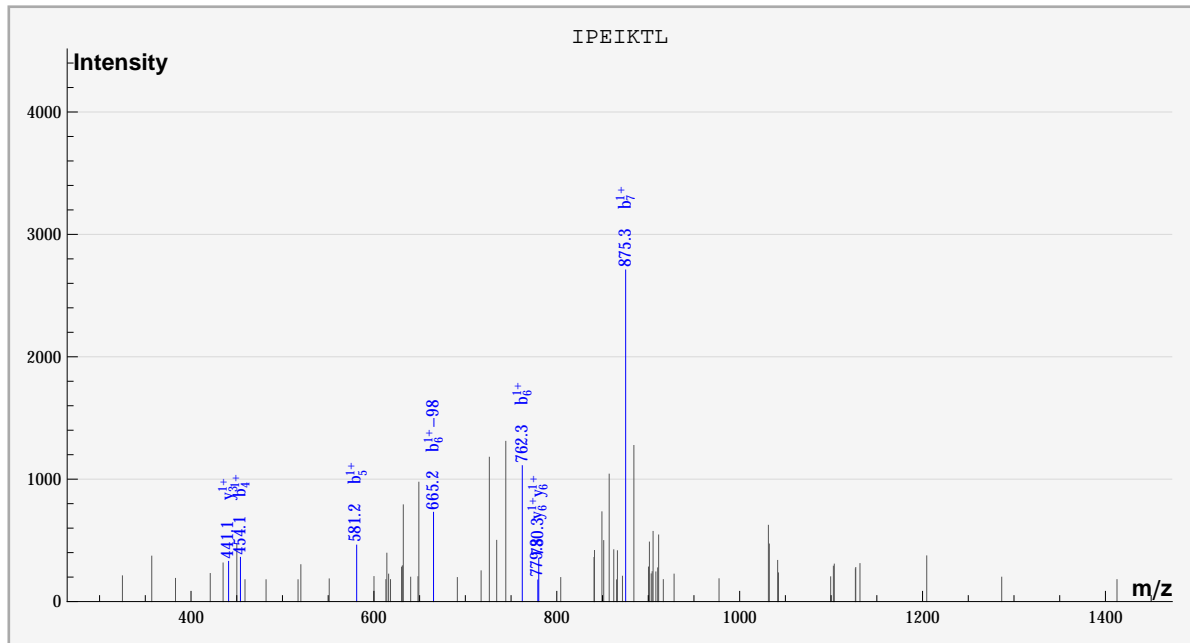


	#	b	b*	#	y	y*	P	P*
I	1							
P	2			6	✓	✓		
E	3	✓		5				
I	4	✓		4				
K	5	✓		3	✓			
T	6	✓	✓	2				
L	7	✓		1				

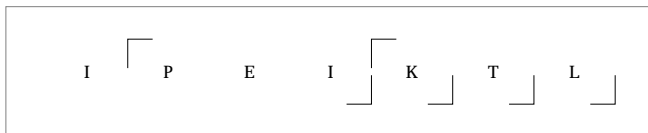


dbValid true IPEIKTL PHOS(1) 1. 895. -1.52568 5.15779 100. ? 3144.

S\_Acido\_new%gi68567864|gb|AAY80793.1| IPEIKTL%:::PHOS::%sample\_2%compd\_1503

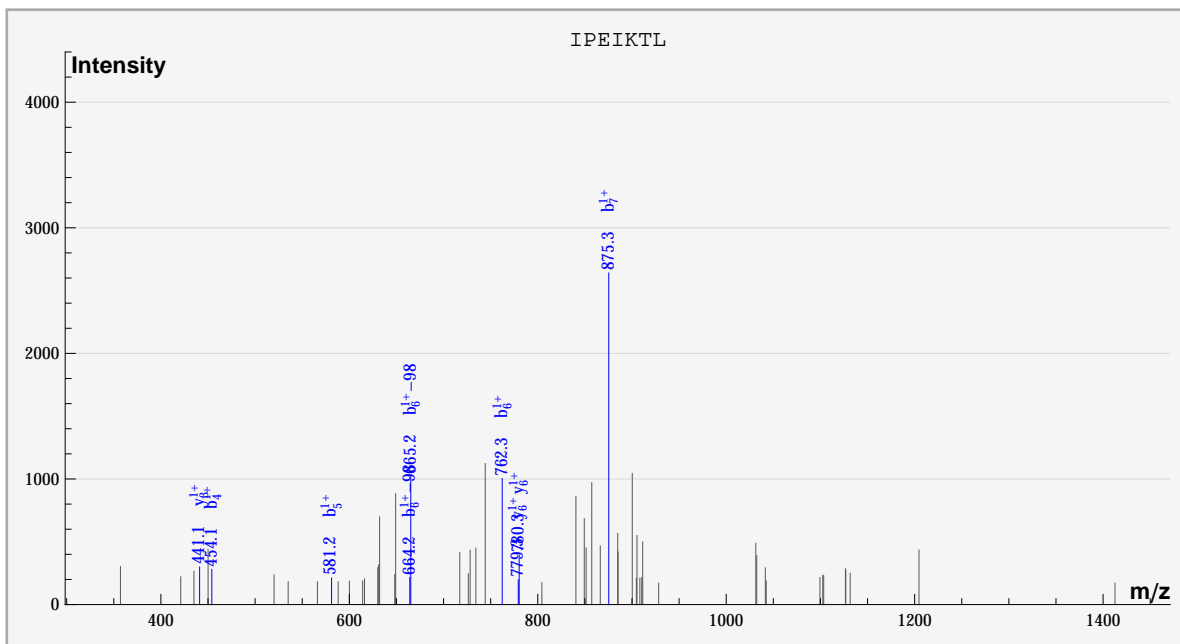


	#	b	b*	#	y	y*	P	P*
I	1							
P	2			6	✓			
E	3			5				
I	4	✓		4				
K	5	✓		3	✓			
T	6	✓	✓	2				
L	7	✓		1				

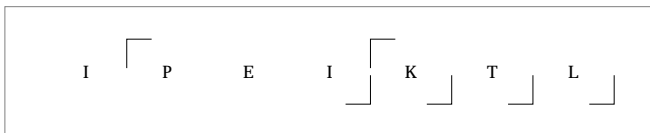


dbValid true IPEIKTL PHOS(1) 1. 895. -1.52568 5.15614 100. ? 3180.

S\_Acido\_new%gi68567864|gb|AAY80793.1| IPEIKTL%:::PHOS::%sample\_2%compd\_1533

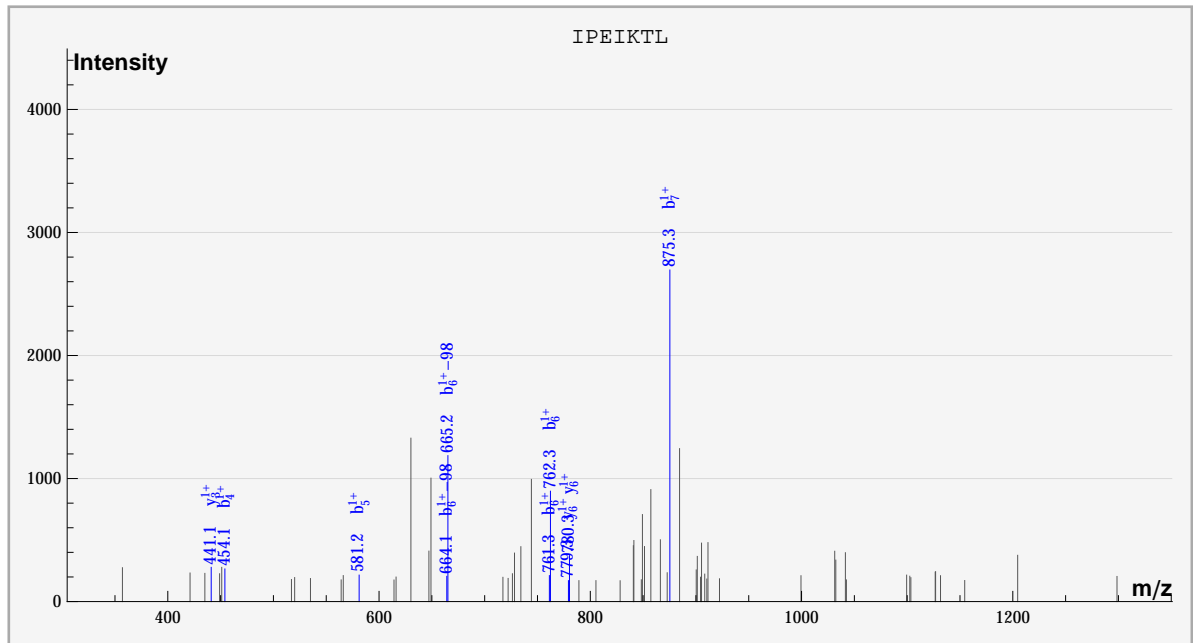


	#	b	b*	#	y	y*	P	P*
I	1							
P	2			6	✓			
E	3			5				
I	4	✓		4				
K	5	✓		3	✓			
T	6	✓	✓	2				
L	7	✓		1				

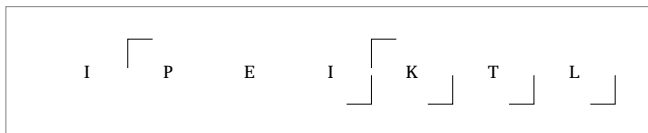


dbValid true IPEIKTL PHOS(1) 1. 895. -1.52568 5.34638 100. ? 3204.

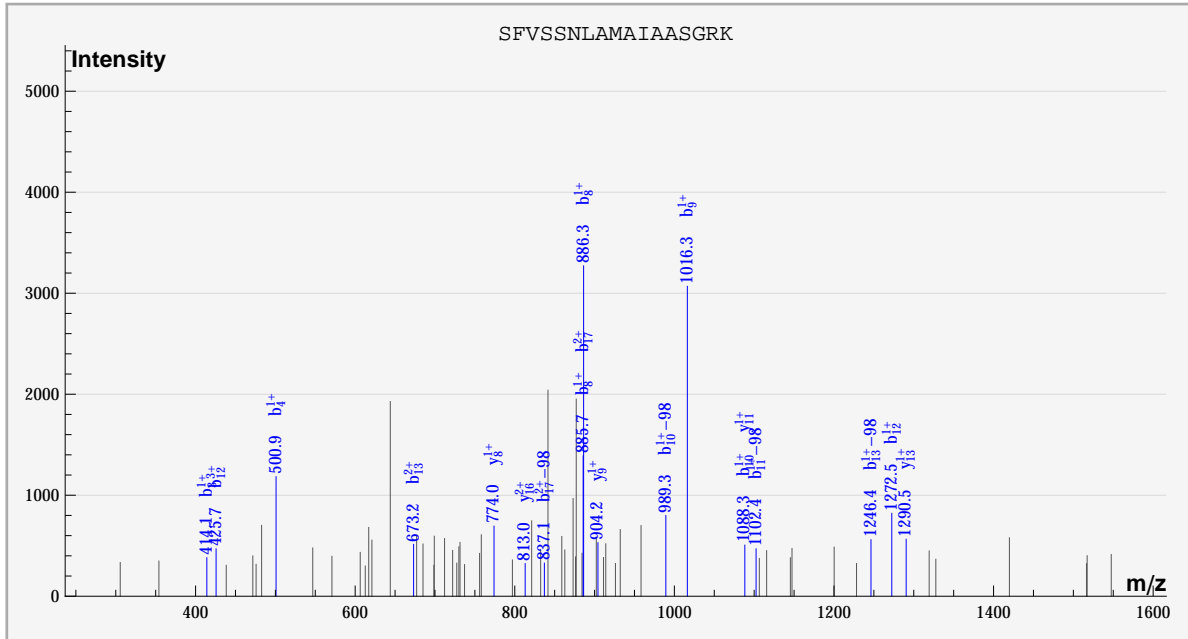
S\_Acido\_new%gi|68567864|gb|AAY80793.1| IPEIKTL%::::::PHOS::%sample\_2%compd\_1551



	#	b	b*	#	y	y*	P	P*
I	1							
P	2			6	✓			
E	3			5				
I	4	✓		4				
K	5	✓		3	✓			
T	6	✓	✓	2				
L	7	✓		1				



dbValid true SFVSSNLAMAIAASGRK PHOS(1) 2. 896. -0.563058 5.45631 100. ? 2124.  
 S\_Acido\_new%gi|68566927|gb|AA79856.1| SFVSSNLAMAIAASGRK%:PHOS:::.....%sample\_3%compd\_802

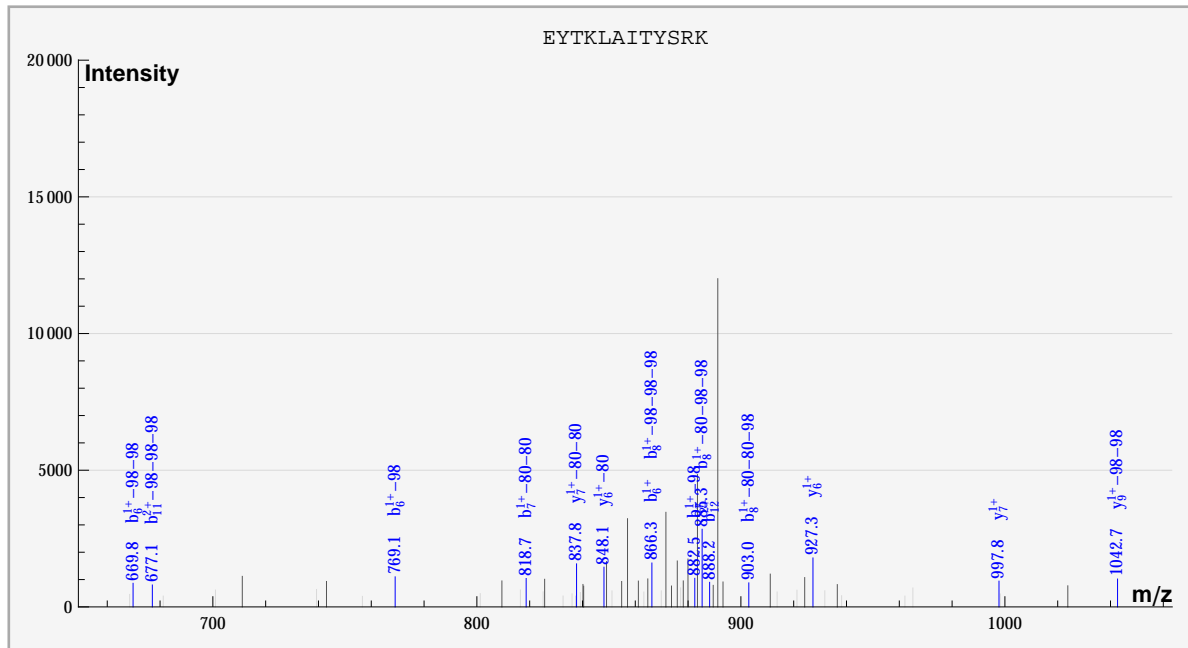


	#	b	b*	#	y	y*	P	P*
S	1							
F	2			16	✓			
V	3	✓		15				
S	4	✓		14				
S	5			13	✓			
N	6			12				
L	7			11	✓			
A	8	✓		10				
M	9	✓		9	✓			
A	10	✓	✓	8	✓			
I	11		✓	7				
A	12	✓		6				
A	13	✓	✓	5				
S	14			4				
G	15			3				
R	16			2				
K	17	✓	✓	1				

S F V S S N L A M A I A A S G R K

dbValid true EYTKLAITYSRK PHOS(4) 2. 896. 0.841617 5.12364 100. ? 3180.

S\_Acido\_new%gi|68566534|gb|AA79463.1| EYTKLAITYSRK::PHOS:PHOS:::PHOS:PHOS:::sample\_3%compd\_1768

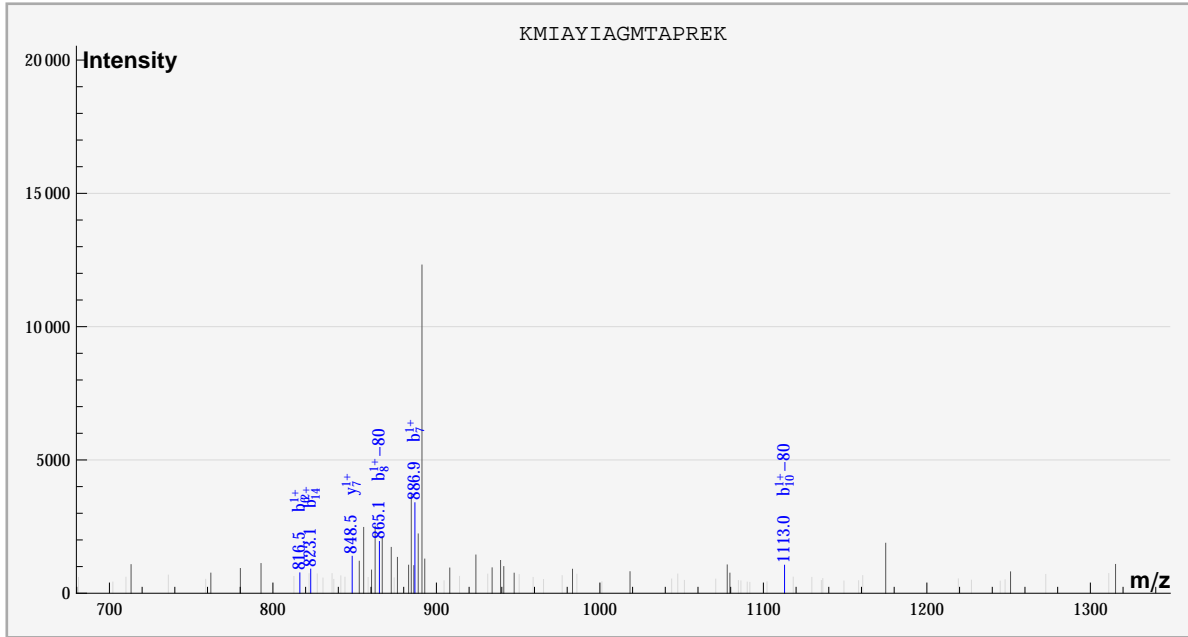


	#	b	b*	#	y	y*	P	P*
E	1							
Y	2			11				
T	3			10				
K	4			9		✓		
L	5			8				
A	6	✓	✓	7	✓	✓		
I	7		✓	6	✓	✓		
T	8		✓	5				
Y	9			4				
S	10			3				
R	11		✓	2				
K	12	✓		1				

E Y T K L A I T Y S R K



dbValid true KMIAYIAGMTAPREK Oxidation\_M(2),PHOS(1) 2. 896.  
 0.430257 5.34409 100. ? 3522. S\_Acido\_new%gi68567681|gb|AAY80610.1|  
 KMIAYIAGMTAPREK%::Oxidation\_M::PHOS:::Oxidation\_M:::sample\_3%compd\_2078

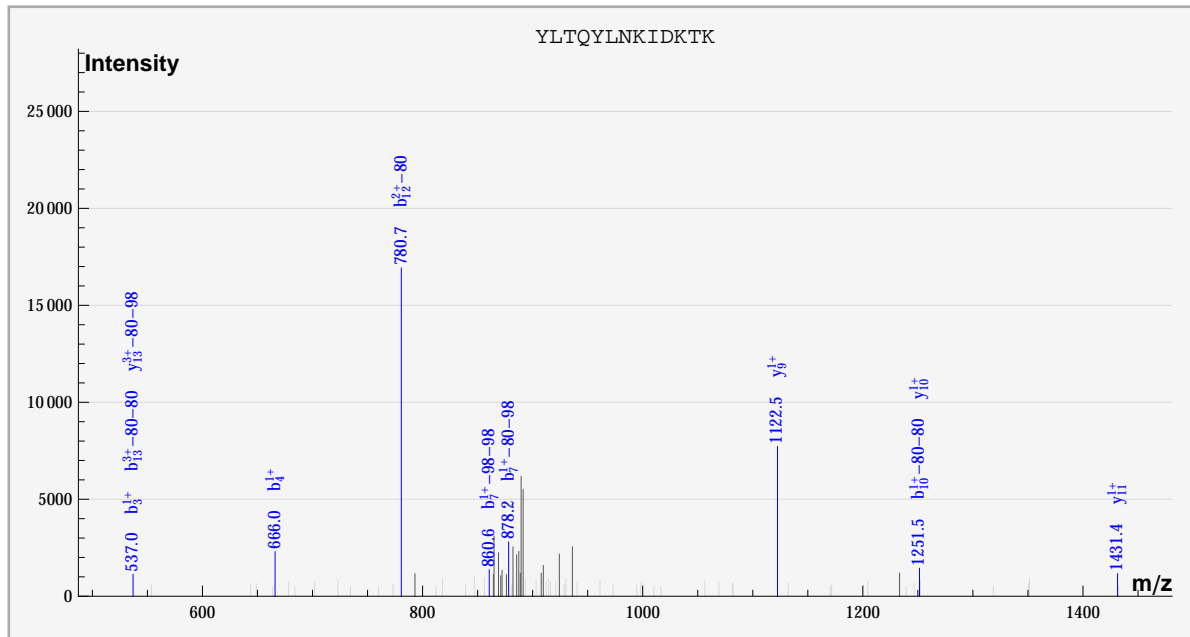


	#	b	b*	#	y	y*	P	P*
K	1							
M	2			14				
I	3			13				
A	4			12				
Y	5			11				
I	6	✓		10				
A	7	✓		9				
G	8		✓	8				
M	9			7	✓			
T	10		✓	6				
A	11			5				
P	12			4				
R	13			3				
E	14	✓		2				
K	15			1				

K M I A Y I A G M T A P R E K

dbValid true YLTQYLNKIDKTK PHOS(2) 2. 896. -1.57737 5.2142 100. ? 3654.

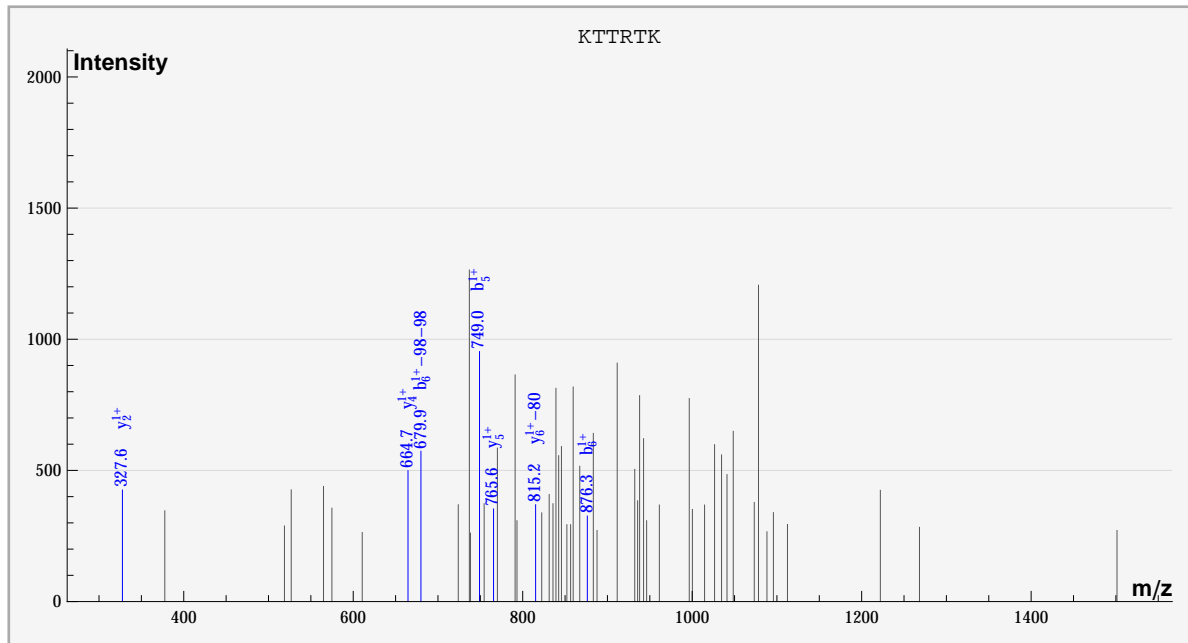
S\_Acido\_new%gi|68567092|gb|AA80021.1| YLTQYLNKIDKTK%:PHOS::PHOS:::.....:sample\_3%compd\_2202



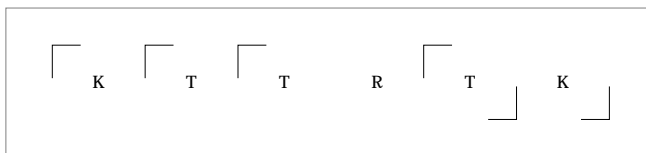
	#	b	b*	#	y	y*	P	P*
Y	1							✓
L	2			12				
T	3	✓		11	✓			
Q	4	✓		10	✓			
Y	5			9	✓			
L	6			8				
N	7		✓	7				
K	8			6				
I	9			5				
D	10	✓		4				
K	11			3				
T	12	✓		2				
K	13	✓		1				

[Y L [T [Q [Y L N ] K I D ] K T ] K ]

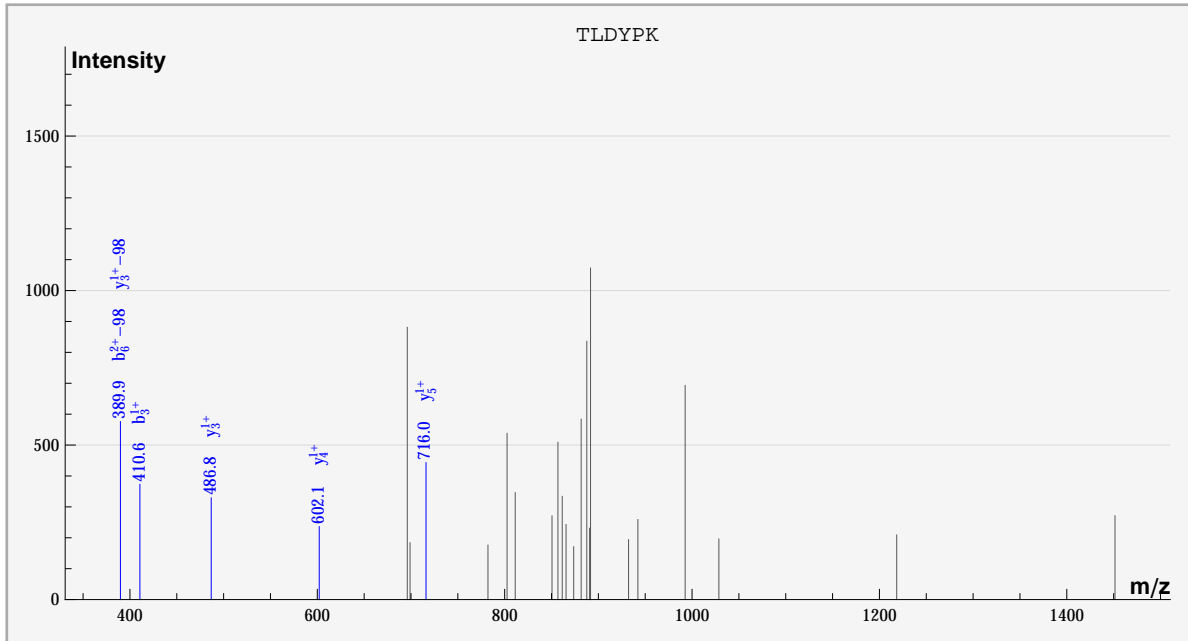
dbValid true KTTRTK PHOS(2) 1. 896. -1.61548 5.07785 100. ? 4662.  
 S\_Acido\_new%gi|68567858|gb|AAY80787.1| KTTRTK%:::PHOS::PHOS::%sample\_3%cmpd\_3121



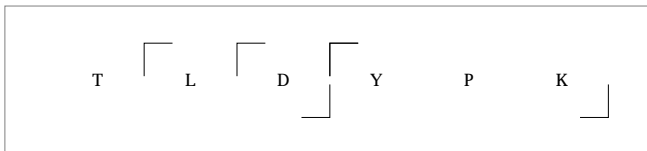
	#	b	b*	#	y	y*	P	P*
K	1							✓
T	2			5	✓			
T	3			4	✓			
R	4			3				
T	5	✓		2	✓			
K	6	✓	✓	1				



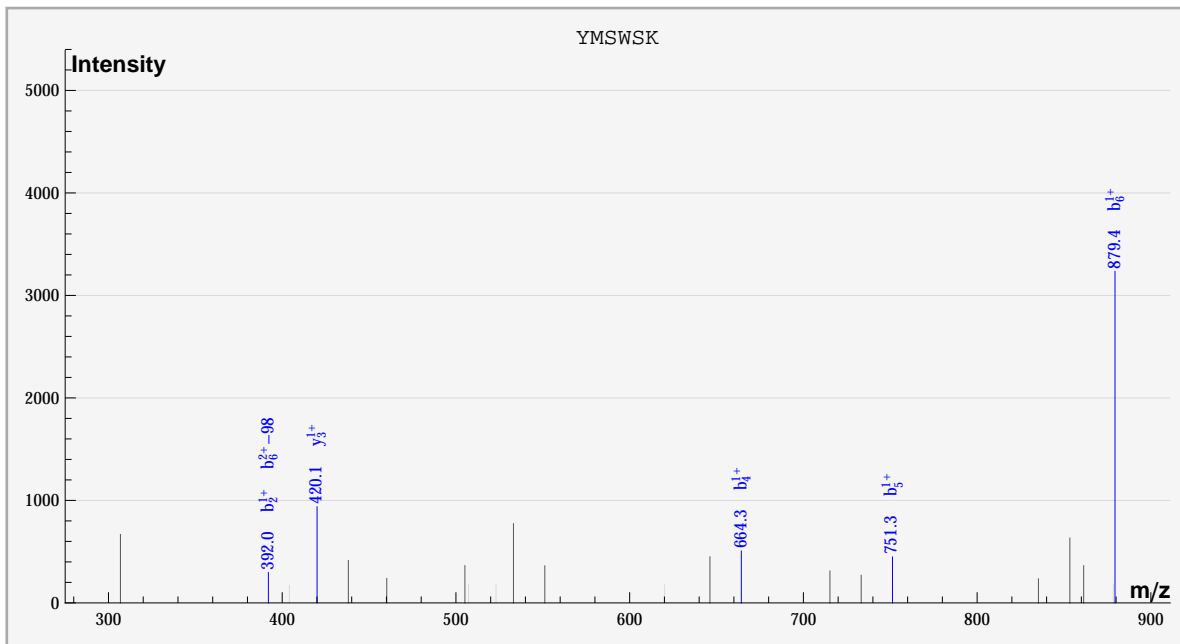
dbValid true TLDYPK PHOS(2) 1. 897. -0.679815 5.06913 100. ? 684.  
 S\_Acido\_new%gi|68568512|gb|AAY81441.1| TLDYPK%:PHOS:::PHOS:::sample\_3%compd\_3906



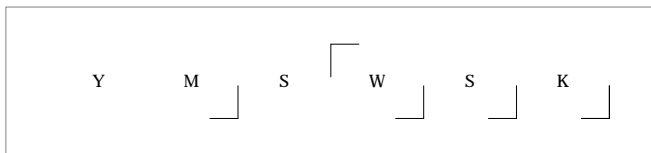
	#	b	b*	#	y	y*	P	P*
T	1							
L	2			5	✓			
D	3	✓		4	✓			
Y	4			3	✓	✓		
P	5			2				
K	6		✓	1				



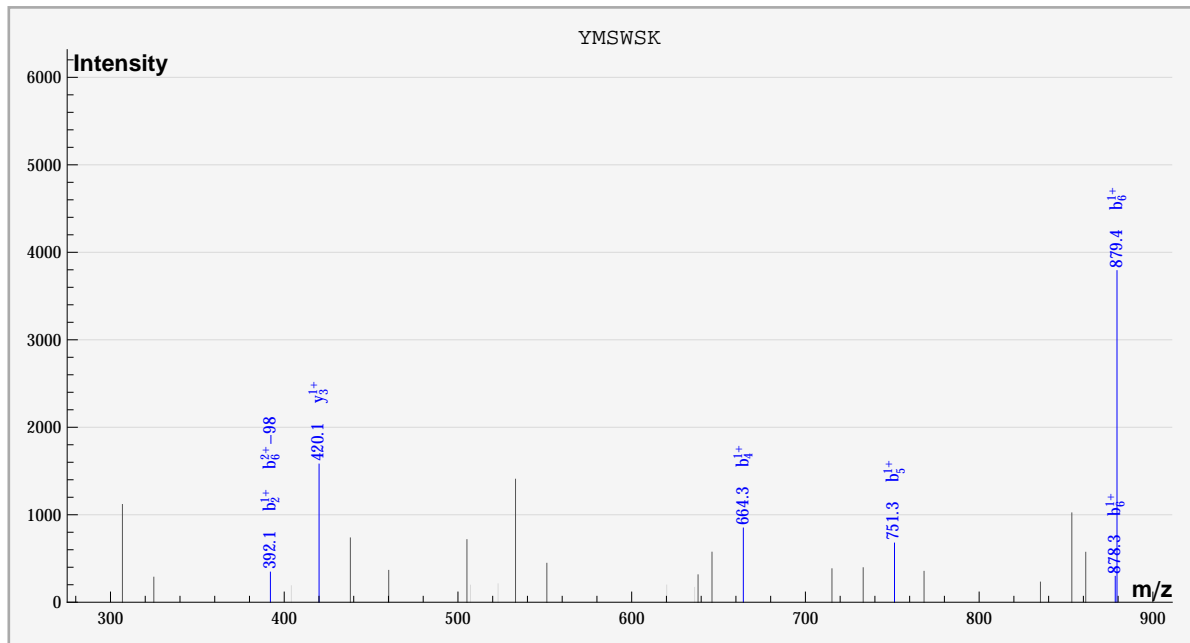
dbValid true YMSWSK Oxidation\_M(1),PHOS(1) 1. 898. -0.678795 5.50375 100. ? 1368.  
 S\_Acido\_new%gi|68567144|gb|AAY80073.1| YMSWSK%:PHOS:Oxidation\_M::::%sample\_2%compd\_109



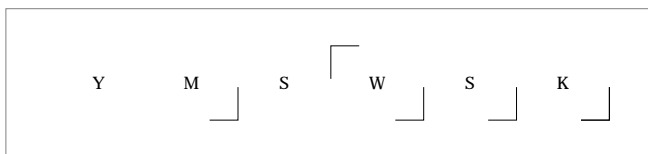
	#	b	b*	#	y	y*	P	P*
Y	1							
M	2	✓		5				
S	3			4				
W	4	✓		3	✓			
S	5	✓		2				
K	6	✓	✓	1				



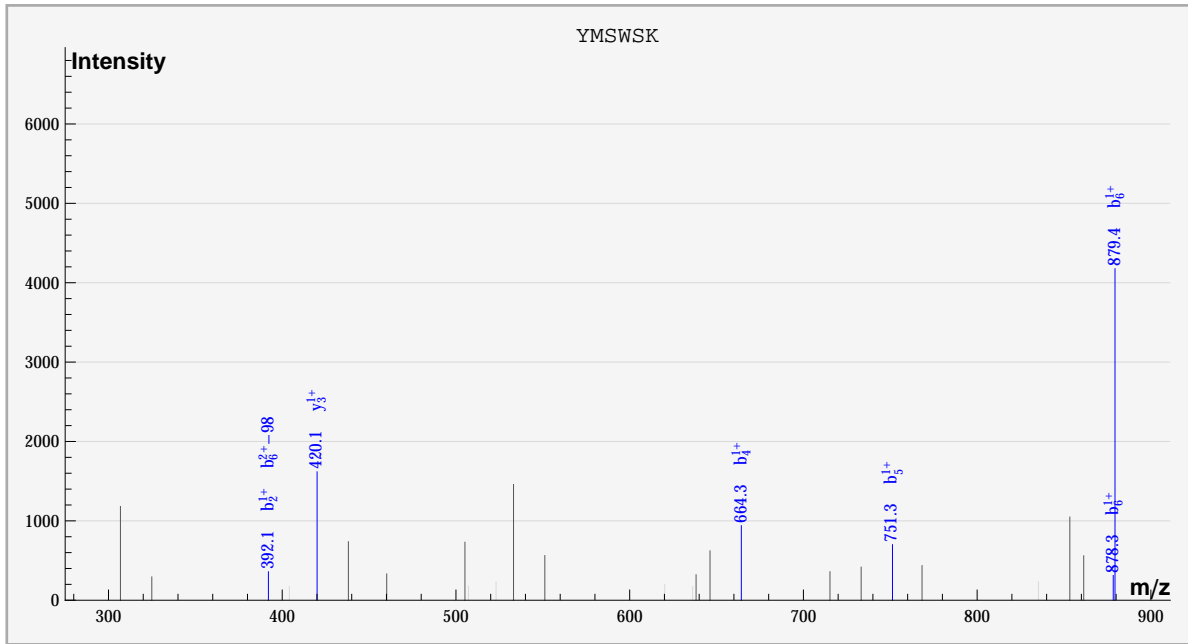
dbValid true YMSWSK Oxidation\_M(1),PHOS(1) 1. 898. -0.678795 5.2816 100. ? 1380.  
 S\_Acido\_new%gil68567144|gb|AAY80073.1| YMSWSK%:PHOS:Oxidation\_M::::%sample\_2%compd\_119



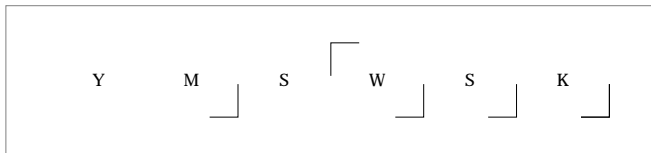
	#	b	b*	#	y	y*	P	P*
Y	1							
M	2	✓		5				
S	3			4				
W	4	✓		3	✓			
S	5	✓		2				
K	6	✓	✓	1				



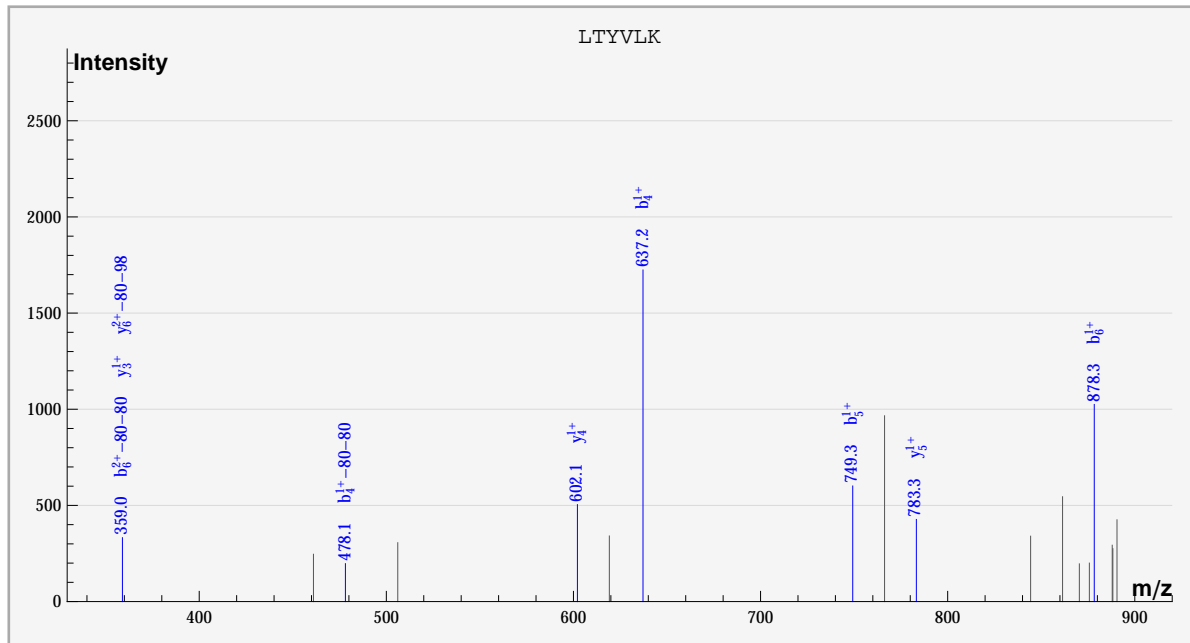
dbValid true YMSWSK Oxidation\_M(1),PHOS(1) 1. 898. -0.678795 5.1796 100. ? 1392.  
 S\_Acido\_new%gil68567144|gb|AAY80073.1| YMSWSK%:PHOS:Oxidation\_M::::%sample\_2%cmpd\_128



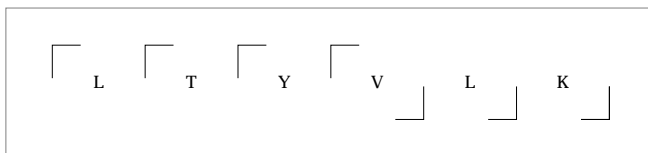
	#	b	b*	#	y	y*	P	P*
Y	1							
M	2	✓		5				
S	3			4				
W	4	✓		3	✓			
S	5	✓		2				
K	6	✓	✓	1				



dbValid true LTYVLK PHOS(2) 1. 898. -1.60705 5.28369 100. ? 4044.  
 S\_Acido\_new%gi|68566552|gb|AA79481.1| LTYVLK%::PHOS:PHOS:::sample\_2%compd\_2238

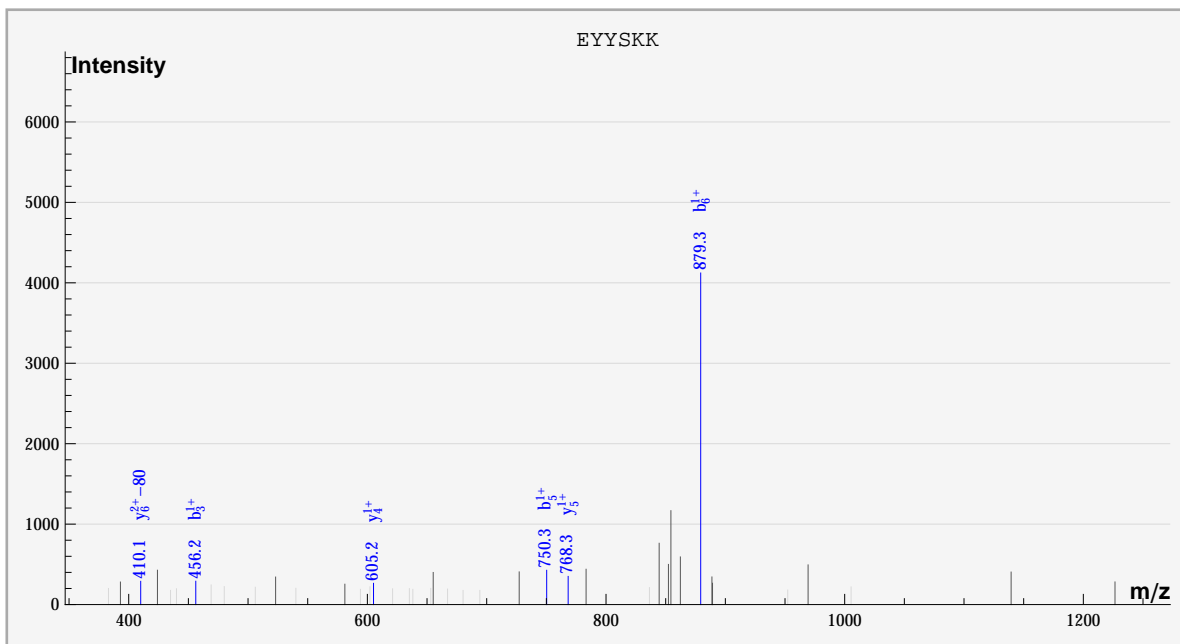


	#	b	b*	#	y	y*	P	P*
L	1							✓
T	2			5	✓			
Y	3			4	✓			
V	4	✓	✓	3	✓			
L	5	✓		2				
K	6	✓	✓	1				

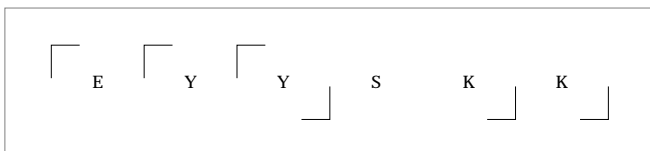




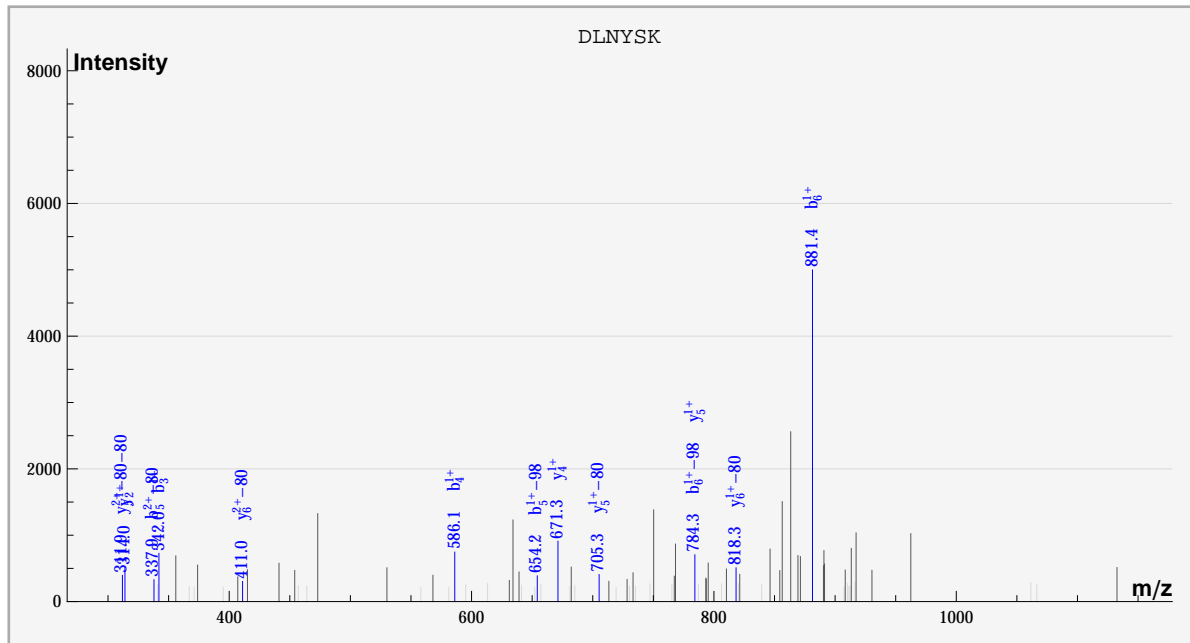
dbValid true EYYSKK PHOS(1) 1. 899. -1.62465 5.17001 100. ? 2376.  
 S\_Acido\_new%gi68568117|gb|AAY81046.1| EYYSKK%:::PHOS:::sample\_2%compd\_907



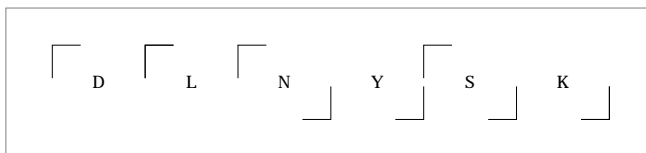
	#	b	b*	#	y	y*	P	P*
E	1							✓
Y	2			5	✓			
Y	3	✓		4	✓			
S	4			3				
K	5	✓		2				
K	6	✓		1				



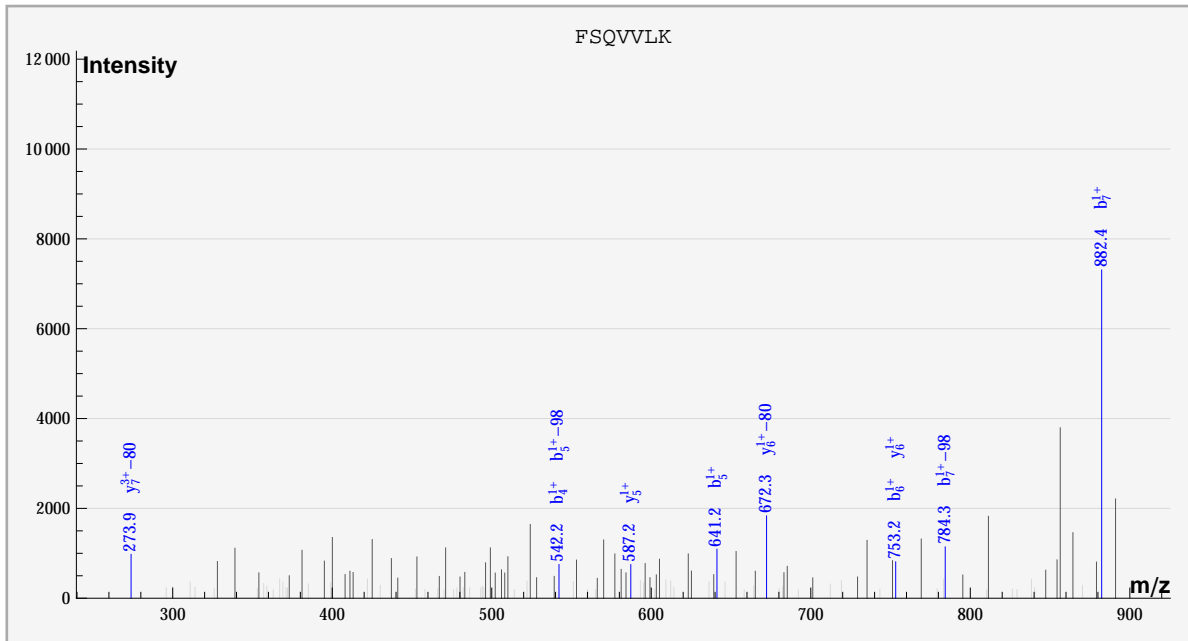
dbValid true DLNYSK PHOS(2) 1. 901. -1.7053 5.10242 100. ? 2892.  
 S\_Acido\_new%gii68567838|gb|AAY80767.1| DLNYSK%:::PHOS:PHOS::%sample\_3%cmpd\_1395



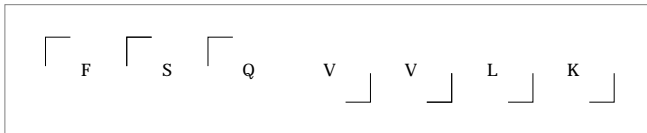
	#	b	b*	#	y	y*	P	P*
D	1							✓
L	2			5	✓	✓		
N	3	✓		4	✓			
Y	4	✓		3				
S	5		✓	2	✓			
K	6	✓	✓	1				



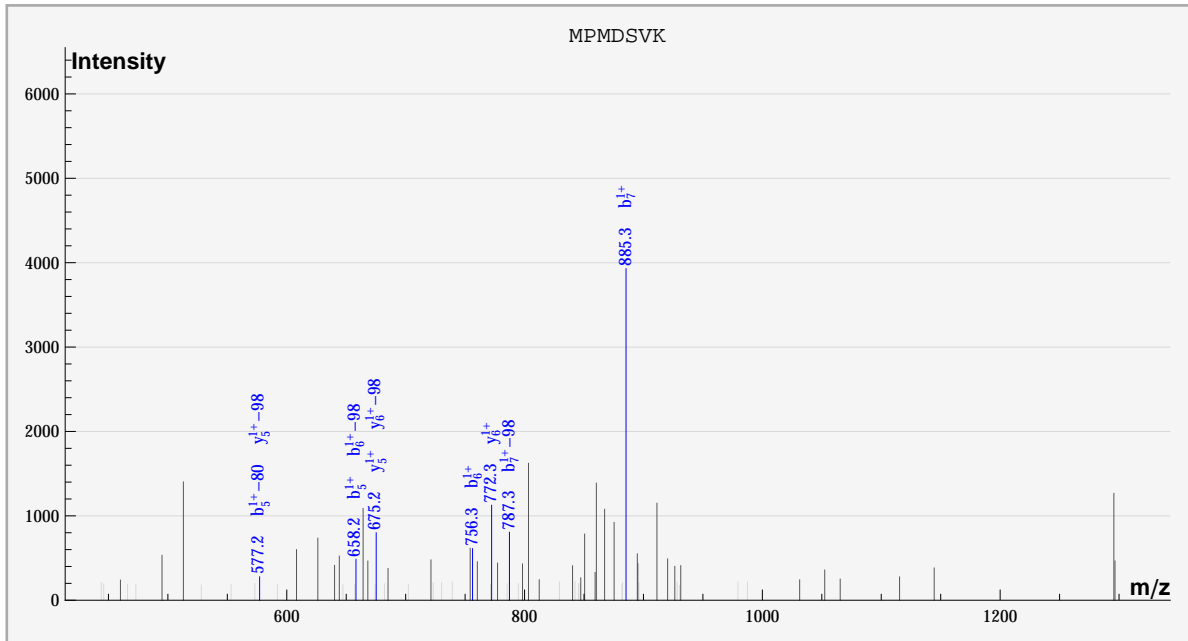
dbValid true FSQVVLK PHOS(1) 1. 902. -1.54099 5.82513 100. ? 2442.  
 S\_Acido\_new%gi|68568572|gb|AAY81501.1| FSQVVLK%::PHOS:::::sample\_3%compd\_1018



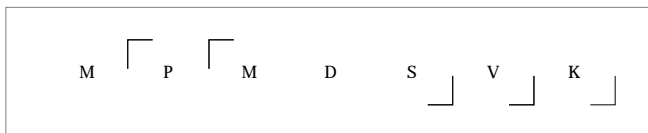
	#	b	b*	#	y	y*	P	P*
F	1							✓
S	2			6	✓	✓		
Q	3			5	✓			
V	4	✓		4				
V	5	✓	✓	3				
L	6	✓		2				
K	7	✓	✓	1				



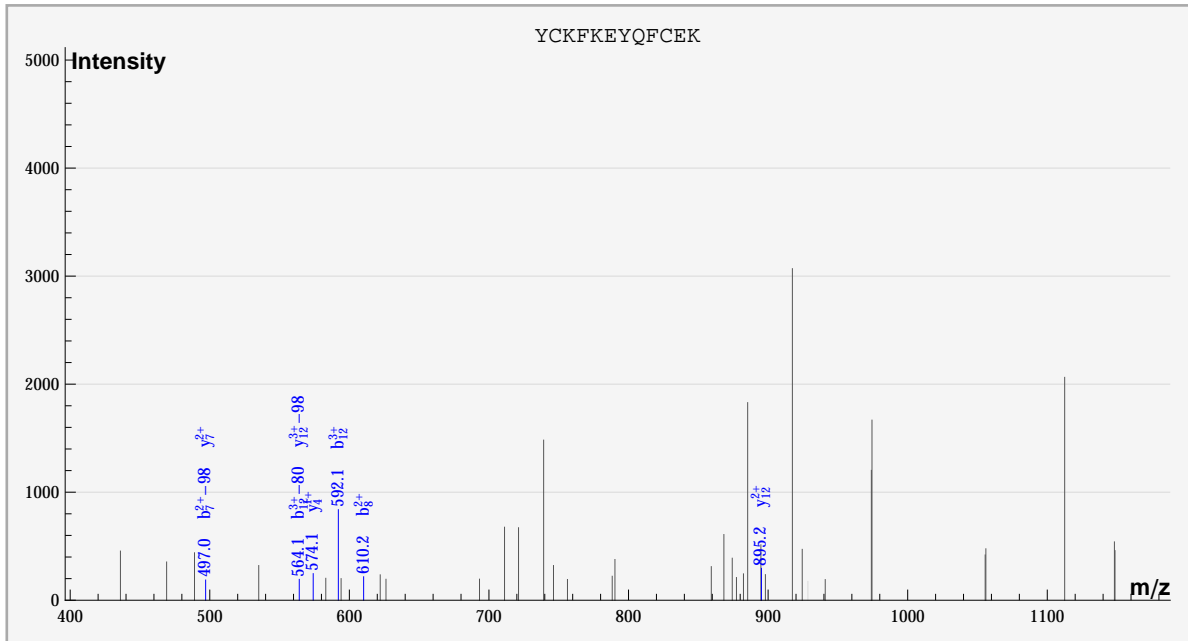
dbValid true MPMSVK Oxidation\_M(1),PHOS(1) 1. 905. -1.66487 5.19812 100. ? 3150.  
 S\_Acido\_new%gil68568712|gb|AAy81641.1| MPMSVK%:::Oxidation\_M::PHOS:::%sample\_3%compd\_1616



	#	b	b*	#	y	y*	P	P*
M	1							
P	2			6	✓	✓		
M	3			5	✓	✓		
D	4			4				
S	5	✓	✓	3				
V	6	✓	✓	2				
K	7	✓	✓	1				



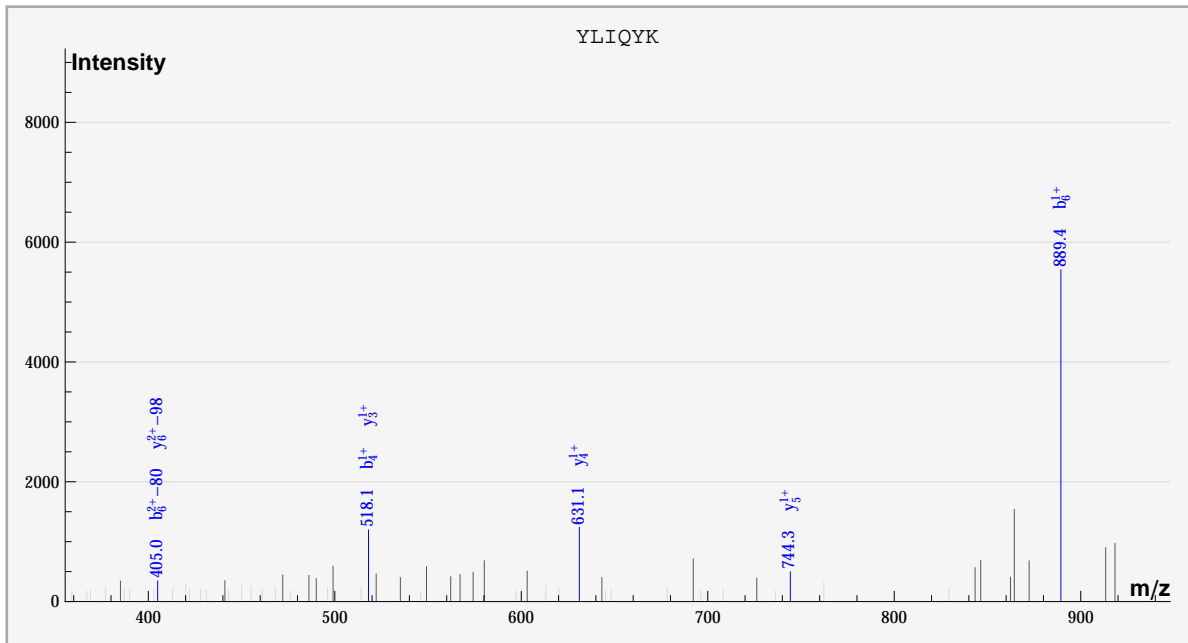
dbValid true YCKFKEYQFCEK Cys\_CAM(2),PHOS(1) 2. 905. 0.372427 5.02094 100. ? 4212.  
 S\_Acido\_new%gil68567023|gb|AA79952.1| YCKFKEYQFCEK%:PHOS:Cys\_CAM:::Cys\_CAM:::sample\_3%compd\_2527



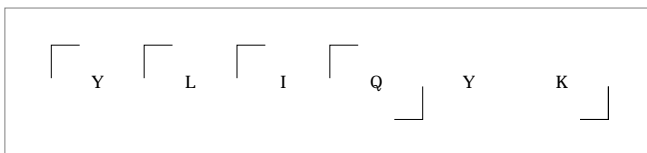
	#	b	b*	#	y	y*	P	P*
Y	1						✓	✓
C	2			11				
K	3			10				
F	4			9				
K	5			8				
E	6			7	✓			
Y	7	✓	✓	6				
Q	8	✓		5				
F	9			4	✓			
C	10			3				
E	11			2				
K	12	✓	✓	1				

Y C K F K E Y Q F C E K

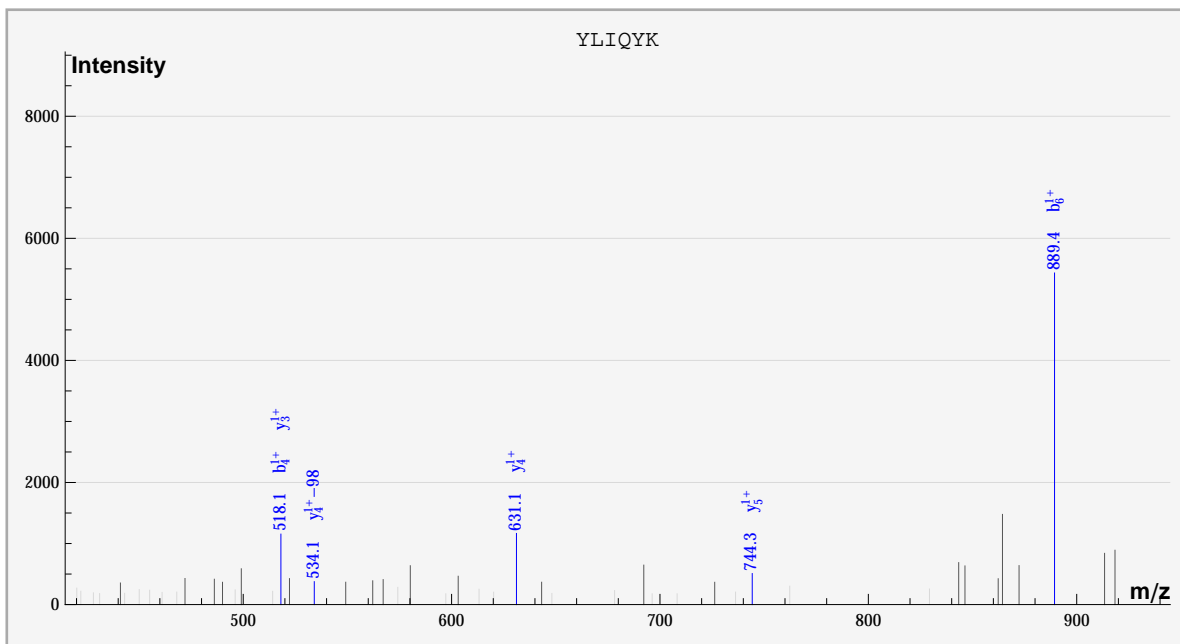
dbValid true YLIQYK PHOS(1) 1. 909. -1.56753 5.39711 100. ? 1764.  
 S\_Acido\_new%gi|68567123|gb|AAY80052.1| YLIQYK%::::PHOS::%sample\_3%compd\_457



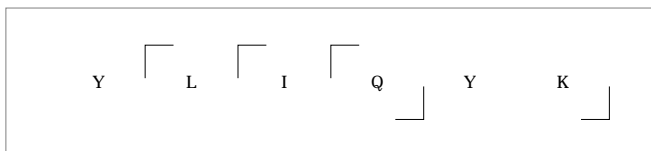
	#	b	b*	#	y	y*	P	P*
Y	1							✓
L	2			5	✓			
I	3			4	✓			
Q	4	✓		3	✓			
Y	5			2				
K	6	✓	✓	1				



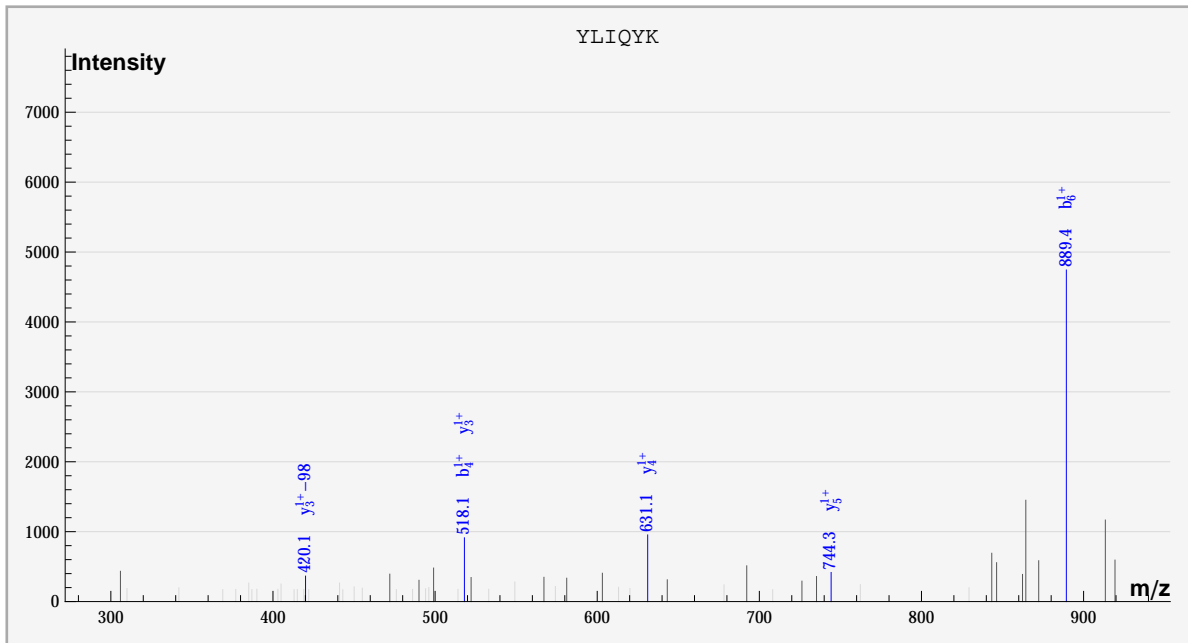
dbValid true YLIQYK PHOS(1) 1. 909. -1.56753 5.57485 100. ? 1776.  
 S\_Acido\_new%gi68567123|gb|AAY80052.1| YLIQYK%::::PHOS::%sample\_3%compd\_467



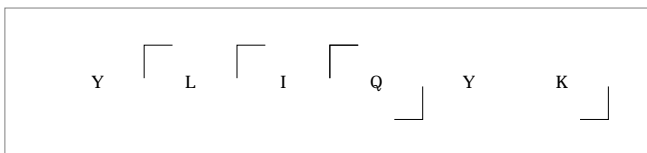
	#	b	b*	#	y	y*	P	P*
Y	1							
L	2			5	✓			
I	3			4	✓	✓		
Q	4	✓		3	✓			
Y	5			2				
K	6	✓		1				



dbValid true YLIQYK PHOS(1) 1. 909. -1.56753 6.21481 100. ? 1812.  
 S\_Acido\_new%gi|68567123|gb|AAY80052.1| YLIQYK%::::PHOS::%sample\_3%compd\_498

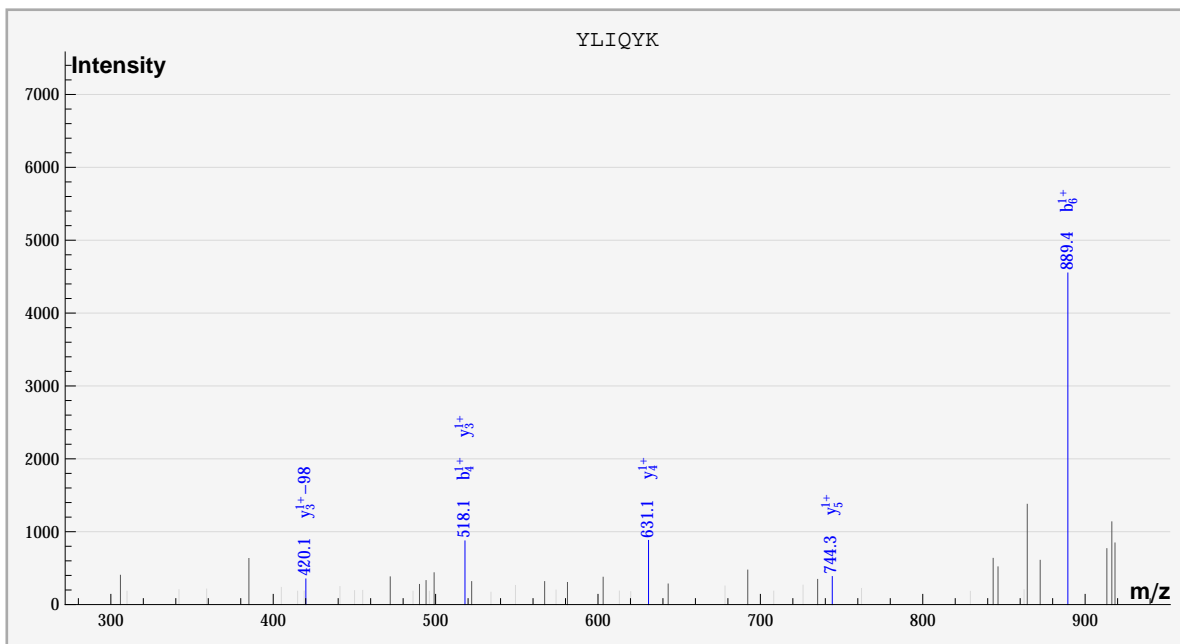


	#	b	b*	#	y	y*	P	P*
Y	1							
L	2			5	✓			
I	3			4	✓			
Q	4	✓		3	✓	✓		
Y	5			2				
K	6	✓		1				

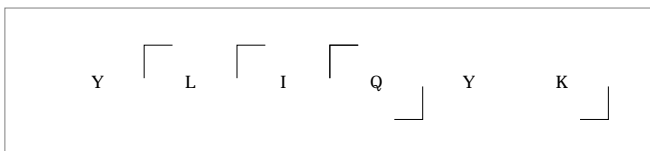




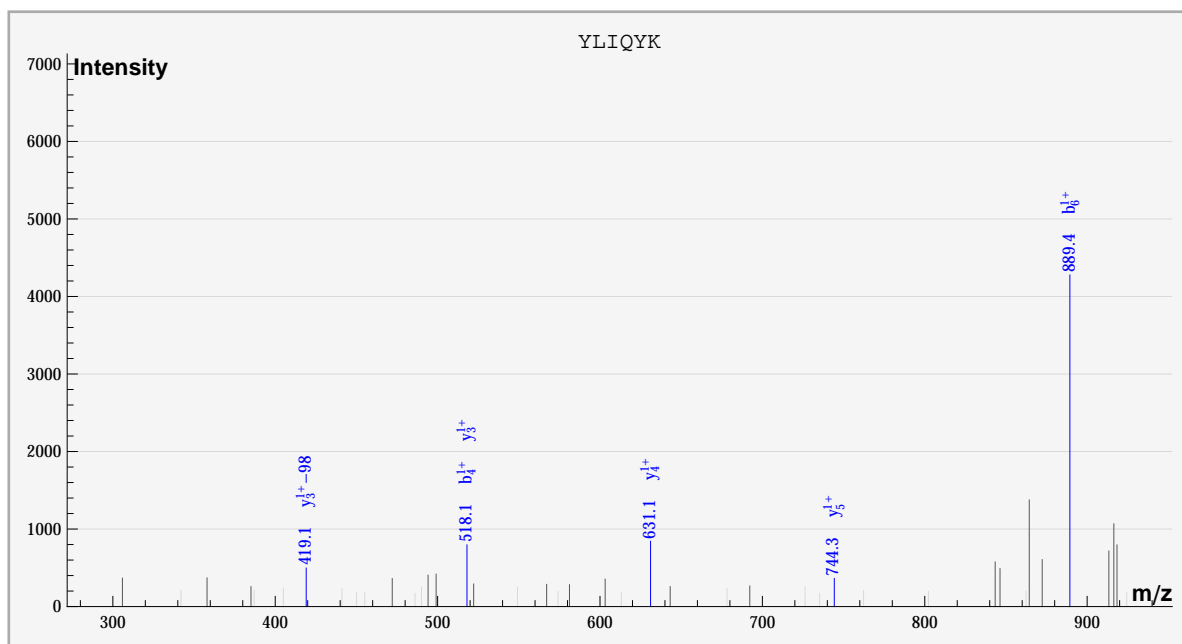
dbValid true YLIQYK PHOS(1) 1. 909. -1.56753 5.38694 100. ? 1824.  
 S\_Acido\_new%gi|68567123|gb|AAY80052.1| YLIQYK%::::PHOS::%sample\_3%cmpd\_508



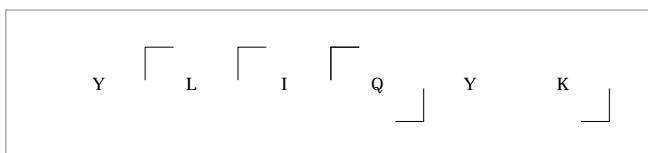
	#	b	b*	#	y	y*	P	P*
Y	1							
L	2			5	✓			
I	3			4	✓			
Q	4	✓		3	✓	✓		
Y	5			2				
K	6	✓		1				



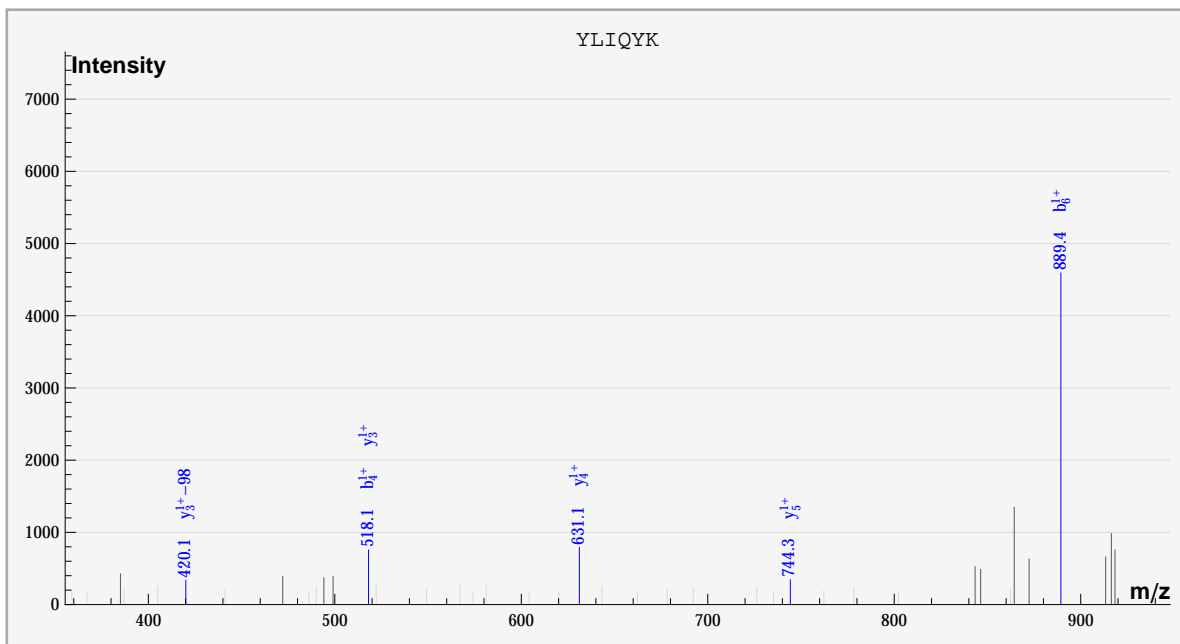
dbValid true YLIQYK PHOS(1) 1. 909. -1.56753 5.58222 100. ? 1836.  
 S\_Acido\_new%gi|68567123|gb|AAY80052.1| YLIQYK%::::PHOS::%sample\_3%compd\_518



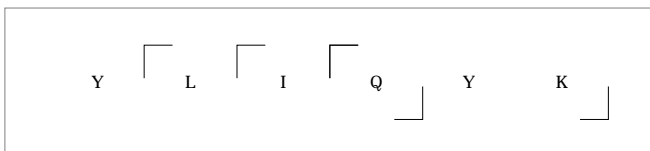
	#	b	b*	#	y	y*	P	P*
Y	1							
L	2			5	✓			
I	3			4	✓			
Q	4	✓		3	✓	✓		
Y	5			2				
K	6	✓		1				



dbValid true YLIQYK PHOS(1) 1. 909. -1.56753 5.46754 100. ? 1848.  
 S\_Acido\_new%gi|68567123|gb|AAY80052.1| YLIQYK%::::PHOS::%sample\_3%cmpd\_528

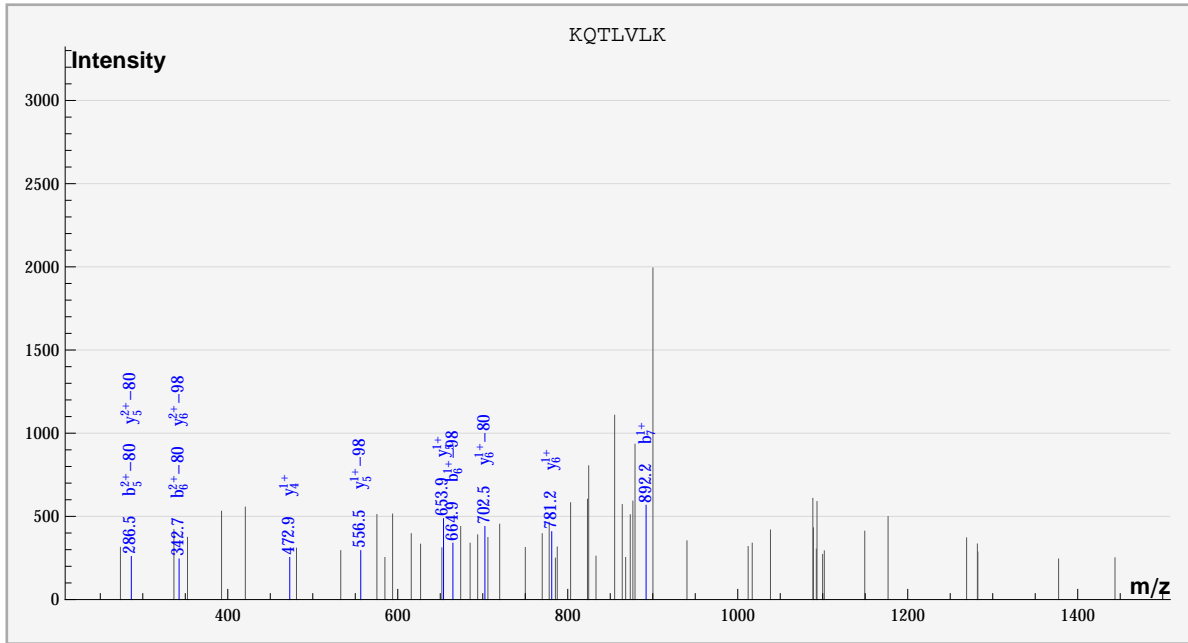


	#	b	b*	#	y	y*	P	P*
Y	1							
L	2			5	✓			
I	3			4	✓			
Q	4	✓		3	✓	✓		
Y	5			2				
K	6	✓		1				

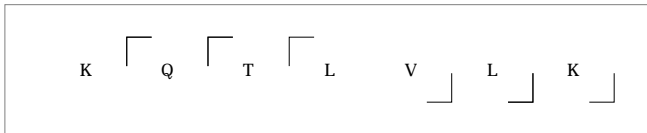




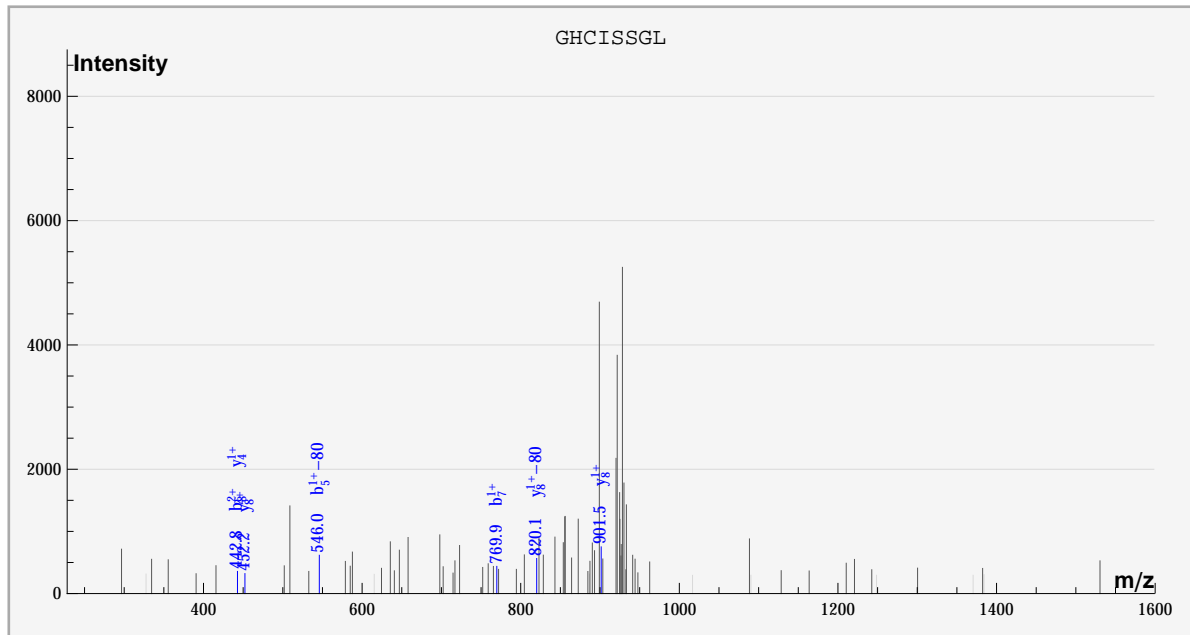
dbValid true KQTLVLK PHOS(1) 1. 911. -1.48314 5.85542 100. ? 2268.  
 S\_Acido\_new%gi|68567690|gb|AAY80619.1| KQTLVLK%:::PHOS:::%sample\_0%compd\_959



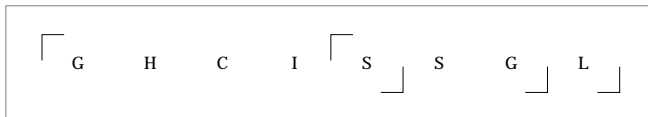
	#	b	b*	#	y	y*	P	P*
K	1							
Q	2			6	✓	✓		
T	3			5	✓	✓		
L	4			4	✓			
V	5		✓	3				
L	6		✓	2				
K	7	✓		1				



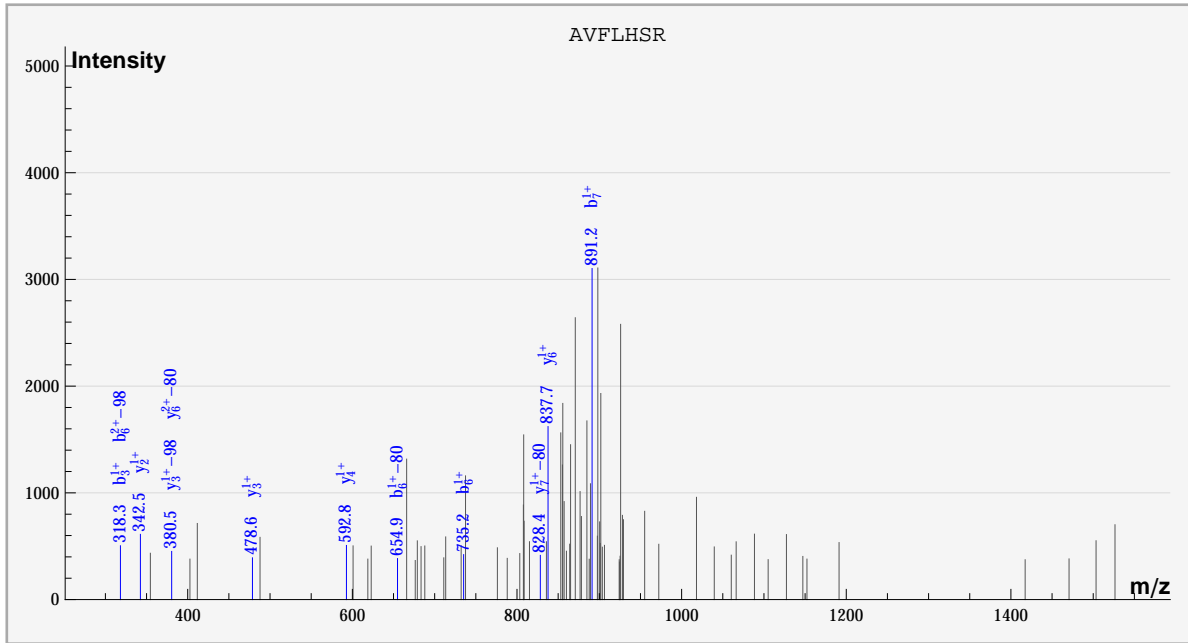
dbValid true GHISSGL Cys\_CAM(1),PHOS(1) 1. 911. -0.651185 5.13061 100. ? 2418.  
 S\_Acido\_new%gil68568683|gb|AAY81612.1| GHISSGL%:::Cys\_CAM:::PHOS:::sample\_0%compd\_1092



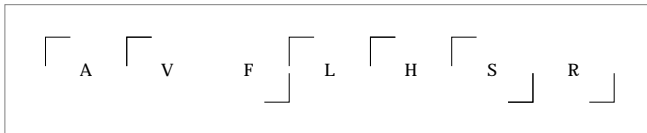
	#	b	b*	#	y	y*	P	P*
G	1						✓	✓
H	2			7				
C	3			6				
I	4			5				
S	5		✓	4		✓		
S	6			3				
G	7	✓		2				
L	8	✓		1				



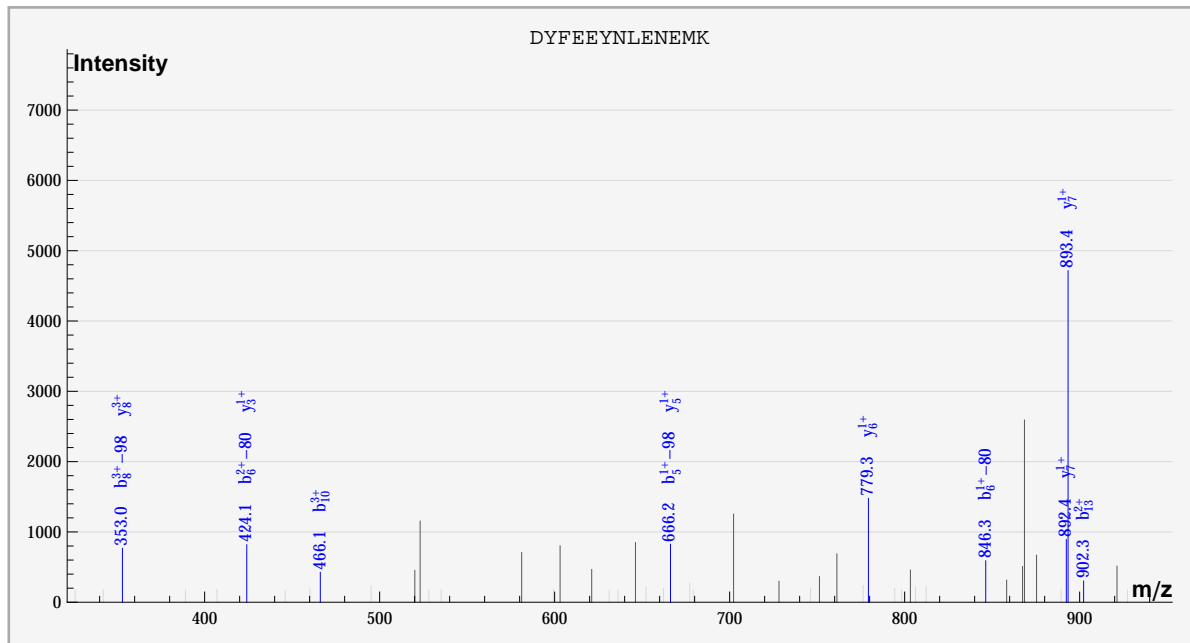
dbValid true AVFLHSR PHOS(1) 1. 911. -1.56581 5.1652 100. ? 2502.  
 S\_Acido\_new%gi|68567360|gb|AAY80289.1| AVFLHSR%::::::PHOS::%sample\_0%cmpd\_1171



	#	b	b*	#	y	y*	P	P*
A	1							✓
V	2			6	✓	✓		
F	3	✓		5				
L	4			4	✓			
H	5			3	✓	✓		
S	6	✓	✓	2	✓			
R	7	✓		1				



dbValid true DYFEEYNLENEMK Oxidation\_M(1),PHOS(1) 2. 912. -1.65796 5.46132 100. ? 2850.  
 S\_Acido\_new%gil68567693|gb|AAY80622.1| DYFEEYNLENEMK%::PHOS:::Oxidation\_M:::sample\_0%compd\_1361

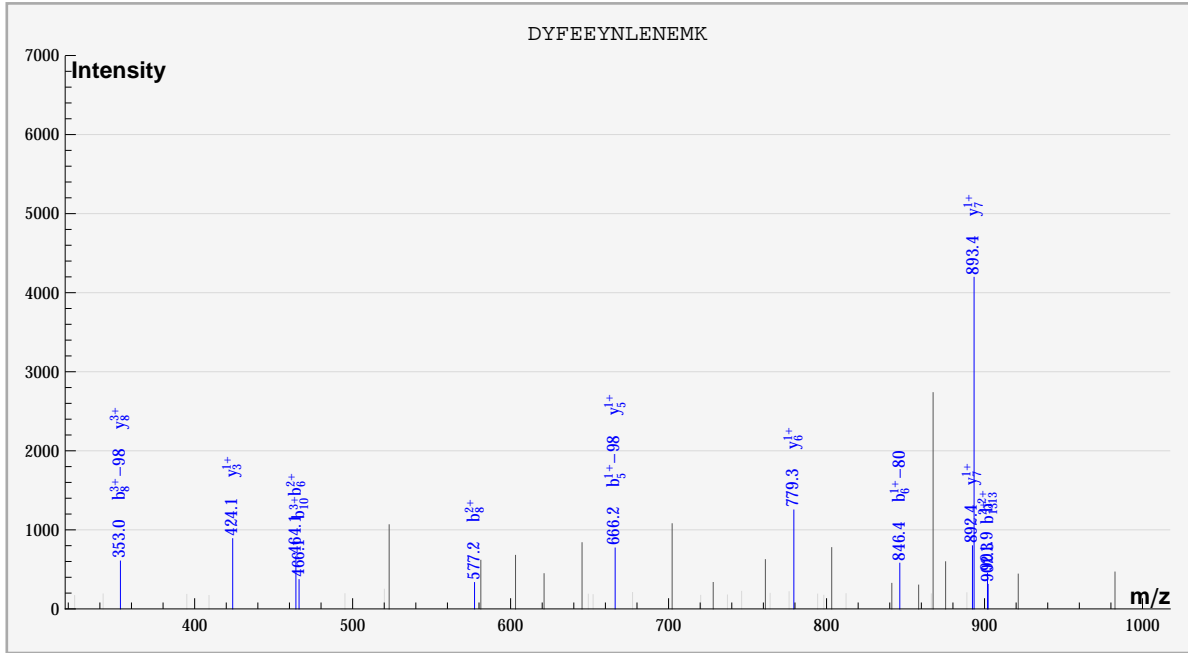


	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
F	3			11				
E	4			10				
E	5		✓	9				
Y	6		✓	8	✓			
N	7			7	✓			
L	8		✓	6	✓			
E	9			5	✓			
N	10	✓		4				
E	11			3	✓			
M	12			2				
K	13	✓		1				

D Y F E E [Y] N [L] E N [E] M K ]



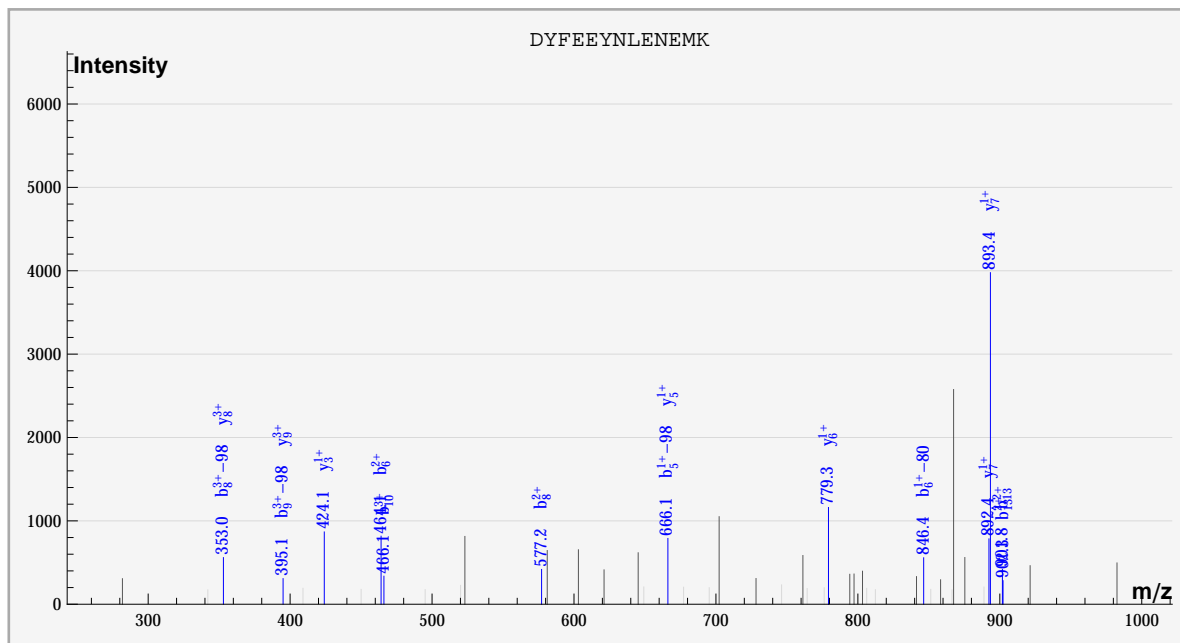
dbValid true DYFEEYNLENEMK Oxidation\_M(1).PHOS(1) 2. 912. -1.65796 5.06953 100. ? 2886.  
 S\_Acido\_new%gi|68567693|gb|AAY80622.1| DYFEEYNLENEMK%::PHOS:::Oxidation\_M:::sample\_0%cmpd\_1392



	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
F	3			11				
E	4			10				
E	5		✓	9				
Y	6	✓	✓	8	✓			
N	7			7	✓			
L	8	✓	✓	6	✓			
E	9			5	✓			
N	10	✓		4				
E	11			3	✓			
M	12			2				
K	13	✓		1				

D Y F E E Y N L E N E M K

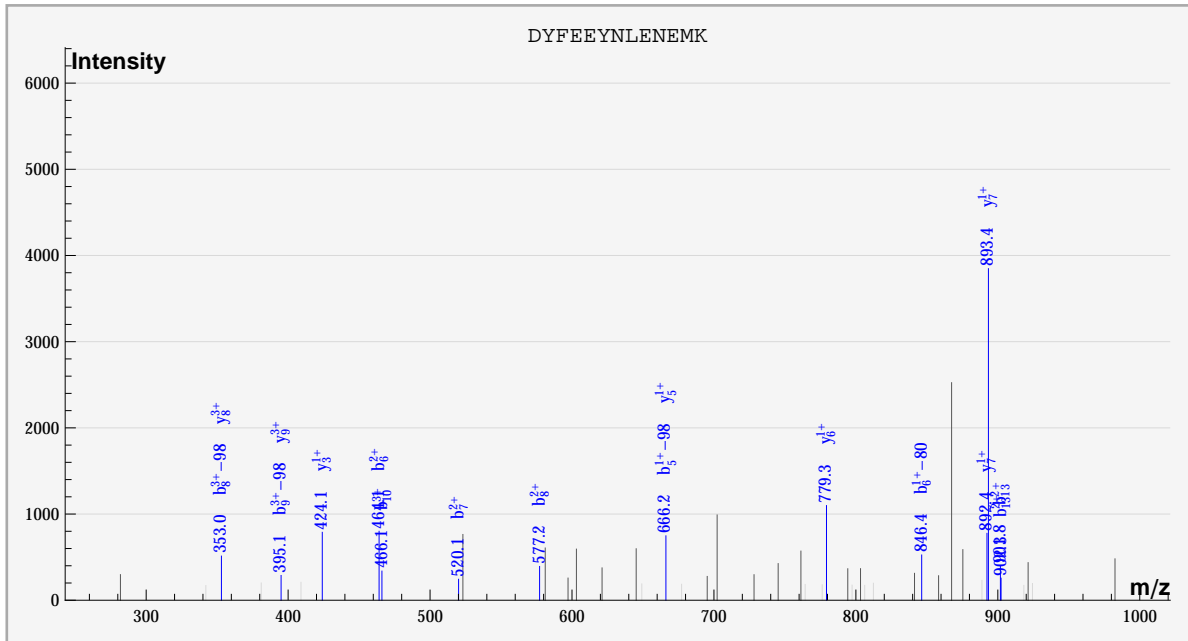
dbValid true DYFEEYNLENEMK Oxidation\_M(1),PHOS(1) 2. 912. -1.65796 5.30535 100. ? 2898.  
 S\_Acido\_new%gi|68567693|gb|AA80622.1| DYFEEYNLENEMK%::PHOS:::Oxidation\_M:::sample\_0%cmpd\_1402



	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
F	3			11				
E	4			10				
E	5	✓	✓	9	✓	✓		
Y	6	✓	✓	8	✓	✓		
N	7			7	✓	✓		
L	8	✓	✓	6	✓	✓		
E	9		✓	5	✓	✓		
N	10	✓		4				
E	11			3	✓	✓		
M	12			2				
K	13	✓		1				

D Y F E E Y N L E N E M K

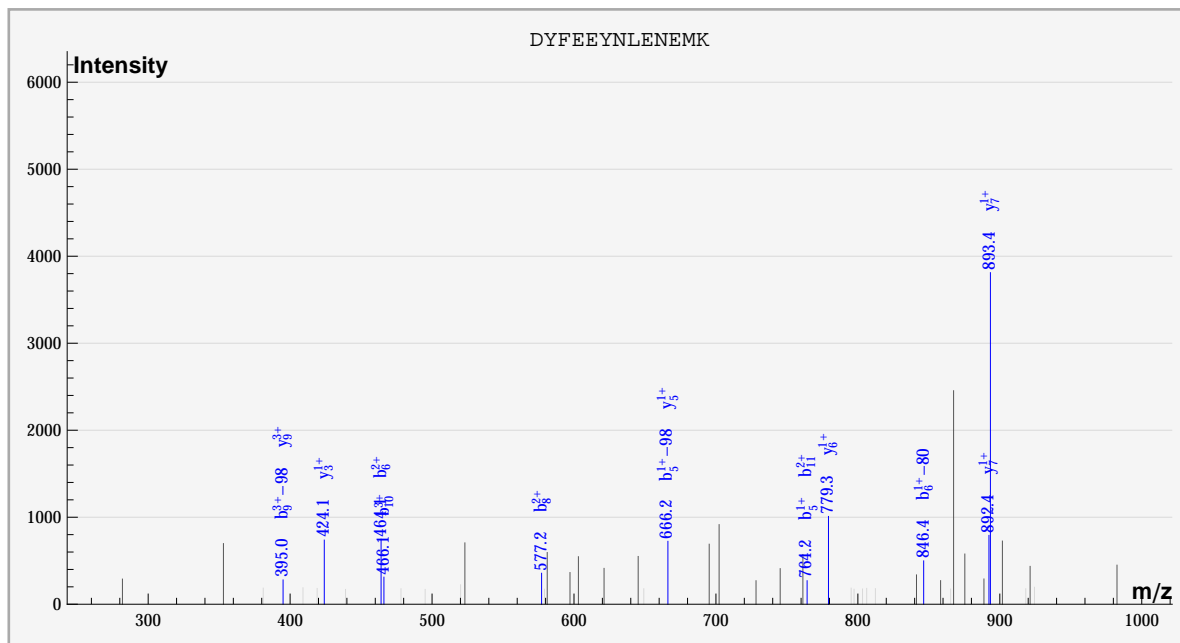
dbValid true DYFEEYNLENEMK Oxidation\_M(1),PHOS(1) 2. 912. -1.65796 5.30047 100. ? 2910.  
 S\_Acido\_new%gil68567693|gb|AAy80622.1| DYFEEYNLENEMK%::PHOS:::Oxidation\_M::%sample\_0%cmpd\_1412



	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
F	3			11				
E	4			10				
E	5		✓	9		✓		
Y	6	✓	✓	8		✓		
N	7	✓		7		✓		
L	8	✓	✓	6		✓		
E	9		✓	5		✓		
N	10	✓		4				
E	11			3		✓		
M	12			2				
K	13	✓		1				

D Y F E E Y N L E N E M K

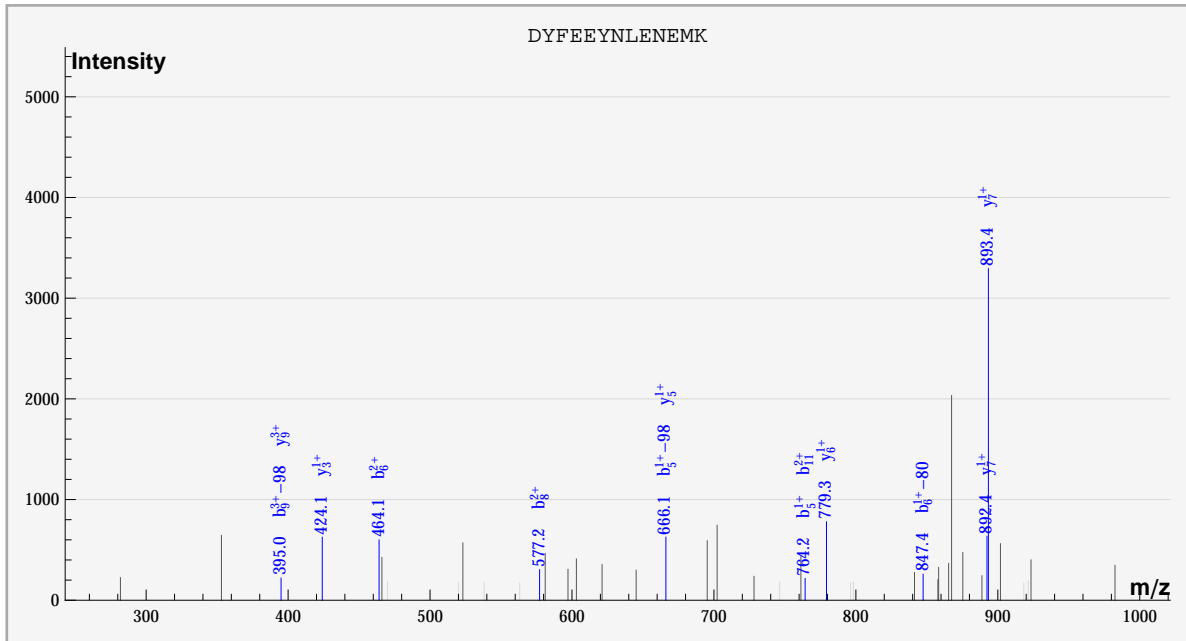
dbValid true DYFEYNLENEMK Oxidation\_M(1),PHOS(1) 2. 912. -1.65796 5.4695 100. ? 2922.  
 S\_Acido\_new%gi|68567693|gb|AAY80622.1| DYFEYNLENEMK%::PHOS:::Oxidation\_M:::sample\_0%cmpd\_1423



	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
F	3			11				
E	4			10				
E	5	✓	✓	9	✓			
Y	6	✓	✓	8				
N	7			7	✓			
L	8	✓		6	✓			
E	9		✓	5	✓			
N	10	✓		4				
E	11	✓		3	✓			
M	12			2				
K	13			1				

D Y F E E Y N L E N E M K

dbValid true DYFEEYNLENEMK Oxidation\_M(1),PHOS(1) 2. 912. -1.65796 5.1938 100. ? 2958.  
 S\_Acido\_new%gil68567693|gb|AAY80622.1| DYFEEYNLENEMK%::PHOS:::Oxidation\_M:::sample\_0%cmpd\_1453

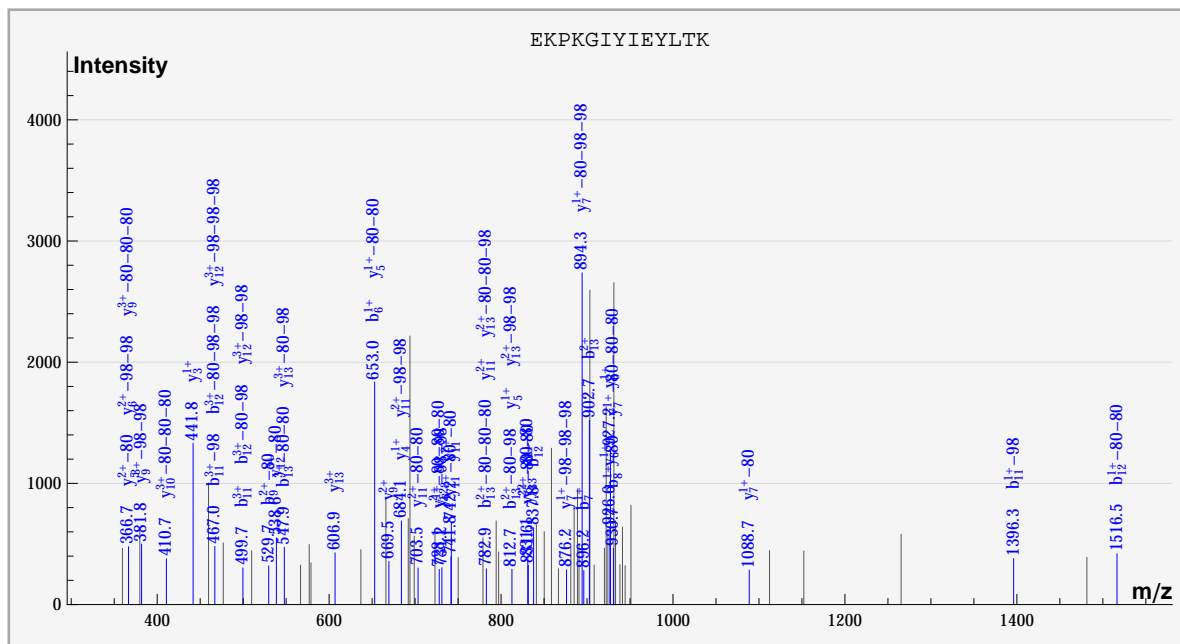


	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
F	3			11				
E	4			10				
E	5	✓	✓	9	✓			
Y	6	✓	✓	8				
N	7			7	✓			
L	8	✓		6	✓			
E	9		✓	5	✓			
N	10			4				
E	11	✓		3	✓			
M	12			2				
K	13			1				

D Y F E [ E ] Y [ N [ L ] E ] N [ E ] M K

dbValid true EKPKGIYIEYLTK PHOS(3) 2. 913. -1.60258 5.03503 100. ? 2244.

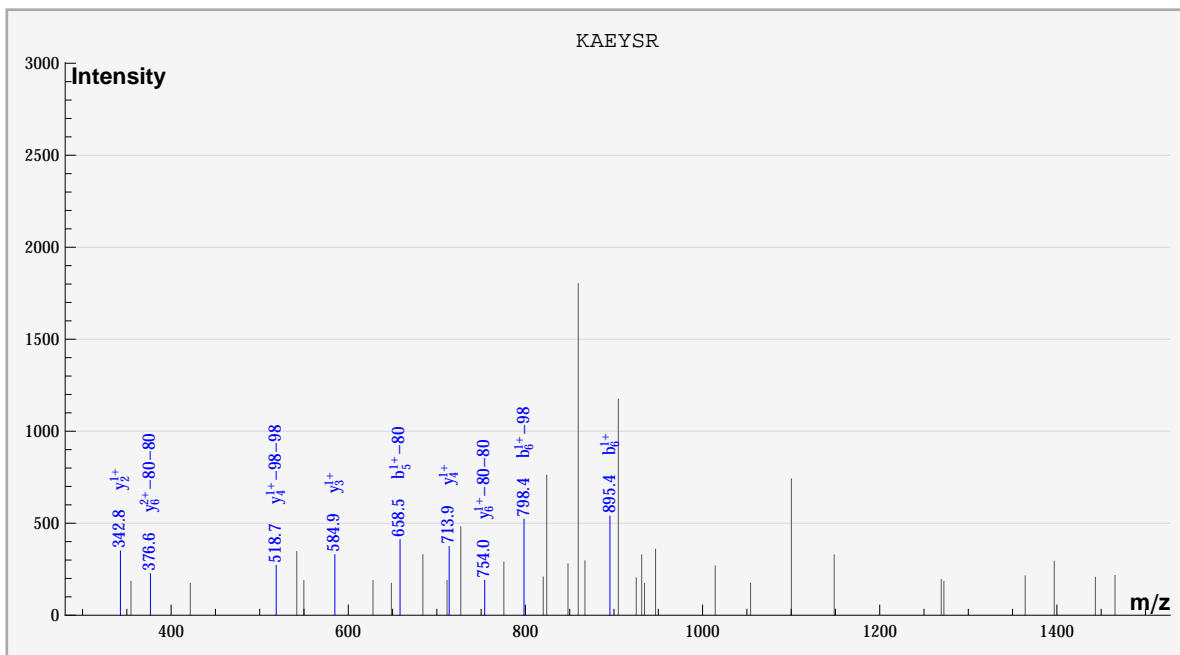
S\_Acido\_new%gi|68566930|gb|AAAY79859.1| EKPKGIYIEYLTK%::::::PHOS::PHOS::PHOS::%sample\_0%cmpd\_939



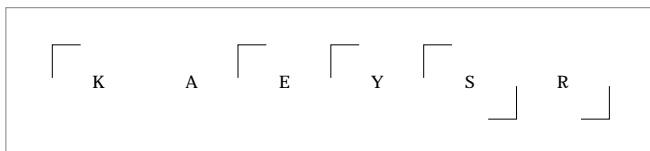
	#	b	b*	#	y	y*	P	P*
E	1						✓	✓
K	2			12		✓		
P	3			11	✓	✓		
K	4			10		✓		
G	5			9	✓	✓		
I	6	✓		8				
Y	7	✓		7		✓		
I	8		✓	6	✓	✓		
E	9		✓	5	✓	✓		
Y	10			4	✓			
L	11	✓	✓	3	✓			
T	12	✓	✓	2				
K	13	✓	✓	1				

[ E ] [ K ] [ P ] [ K ] [ G ] [ I ] [ Y ] [ I ] [ E ] [ Y ] [ L ] [ T ] [ K ]

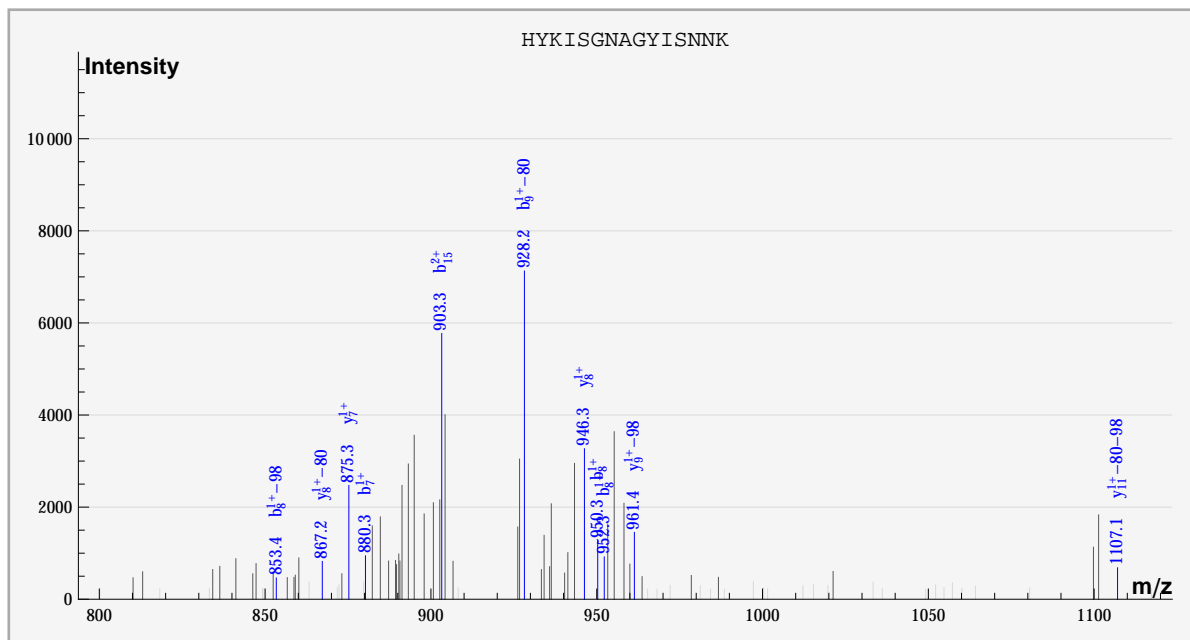
dbValid true KAEYSR PHOS(2) 1. 914. -0.678415 5.2767 100. ? 1662.  
 S\_Acido\_new%gii68568224|gb|AAy81153.1| KAEYSR%:::PHOS:PHOS::%sample\_0%cmpd\_407



	#	b	b*	#	y	y*	P	P*
K	1							✓
A	2			5				
E	3			4	✓	✓		
Y	4			3	✓			
S	5	✓	✓	2	✓			
R	6	✓	✓	1				



dbValid true HYKISGNAGYISNNK PHOS(2) 2. 914. -0.612888 5.09792 100. ? 2478.  
 S\_Acido\_new%gi|68566794|gb|AA79723.1| HYKISGNAGYISNNK%::::PHOS::::PHOS::::%sample\_1%compd\_1049

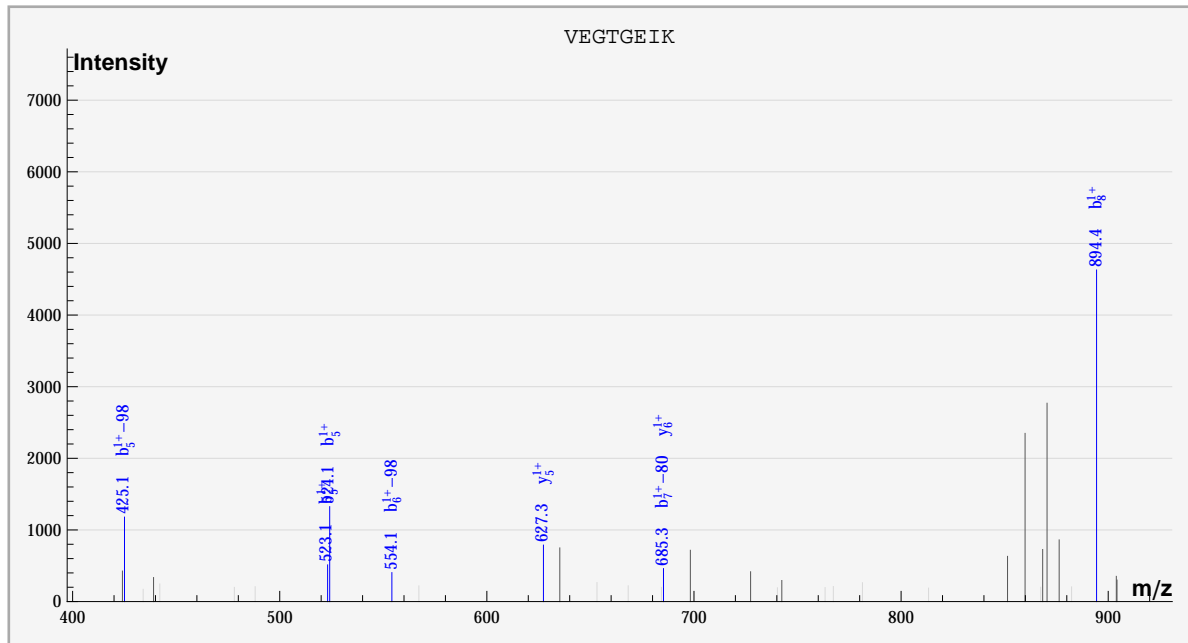


	#	b	b*	#	y	y*	P	P*
H	1							
Y	2			14				
K	3			13				
I	4			12				
S	5			11		✓		
G	6			10				
N	7	✓		9		✓		
A	8	✓	✓	8	✓	✓		
G	9		✓	7	✓			
Y	10			6				
I	11			5				
S	12			4				
N	13			3				
N	14			2				
K	15	✓		1				

H Y K I [ S G [ N ] A [ G ] Y I S N N K ]



dbValid true VEGTGEIK PHOS(1) 1. 914. -1.59264 5.70843 100. ? 2658.  
 S\_Acido\_new%gi|68568659|gb|AAY81588.1| VEGTGEIK%:::PHOS:::%sample\_0%compd\_1198

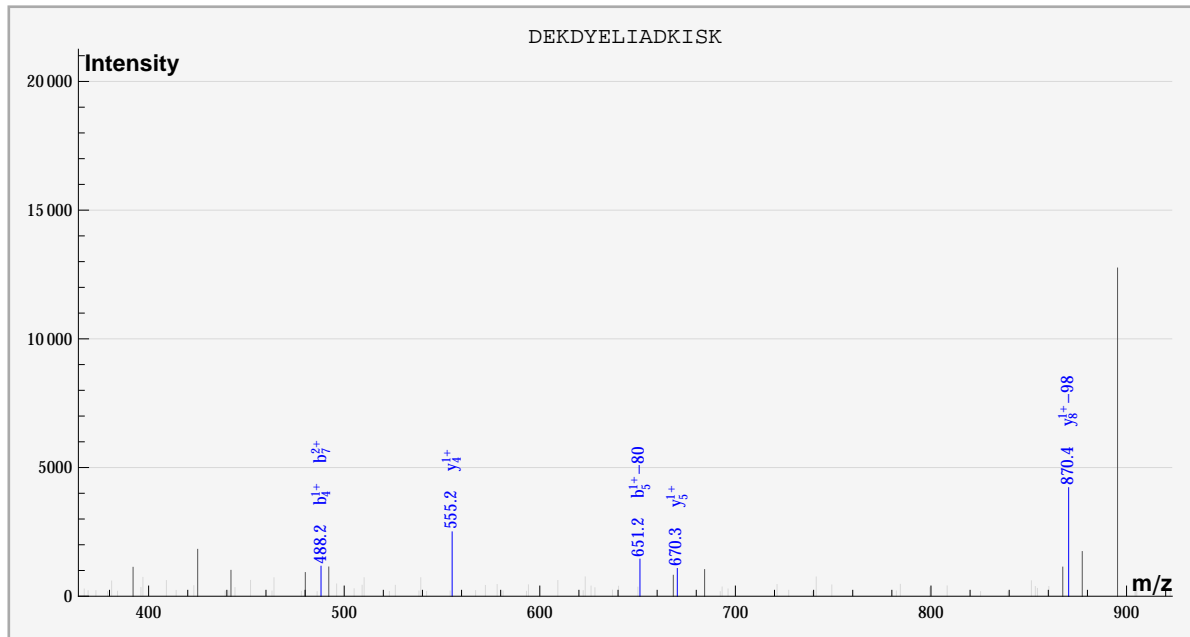


	#	b	b*	#	y	y*	P	P*
V	1							
E	2			7				
G	3			6	✓			
T	4			5	✓			
G	5	✓	✓	4				
E	6		✓	3				
I	7		✓	2				
K	8	✓		1				



dbValid true DEKDYELIADKISK PHOS(2) 2. 915. -1.10337 5.38201 100. ? 2220.

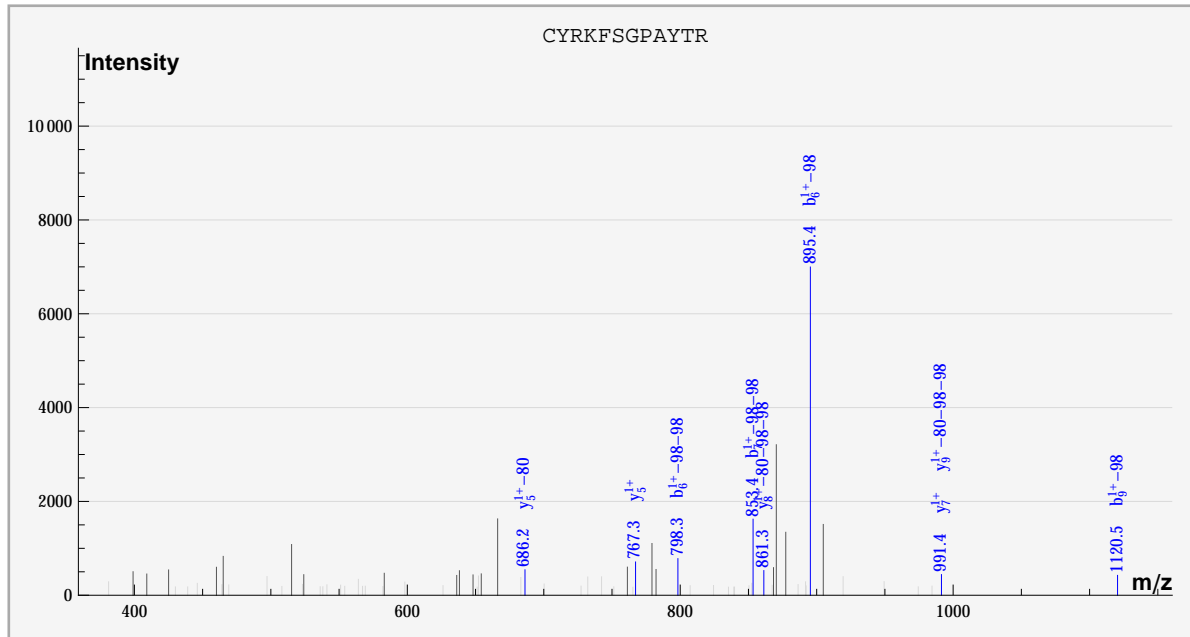
S\_Acido\_new%gi|68567813|gb|AAY80742.1| DEKDYELIADKISK%:::::PHOS:::::PHOS::%sample\_0%cmpd\_831



	#	b	b*	#	y	y*	P	P*
D	1							
E	2			13				
K	3			12				
D	4	✓		11				
Y	5		✓	10				
E	6			9				
L	7	✓		8		✓		
I	8			7				
A	9			6				
D	10			5	✓			
K	11			4	✓			
I	12			3				
S	13			2				
K	14			1				

D E K D Y E L I A D K I S K

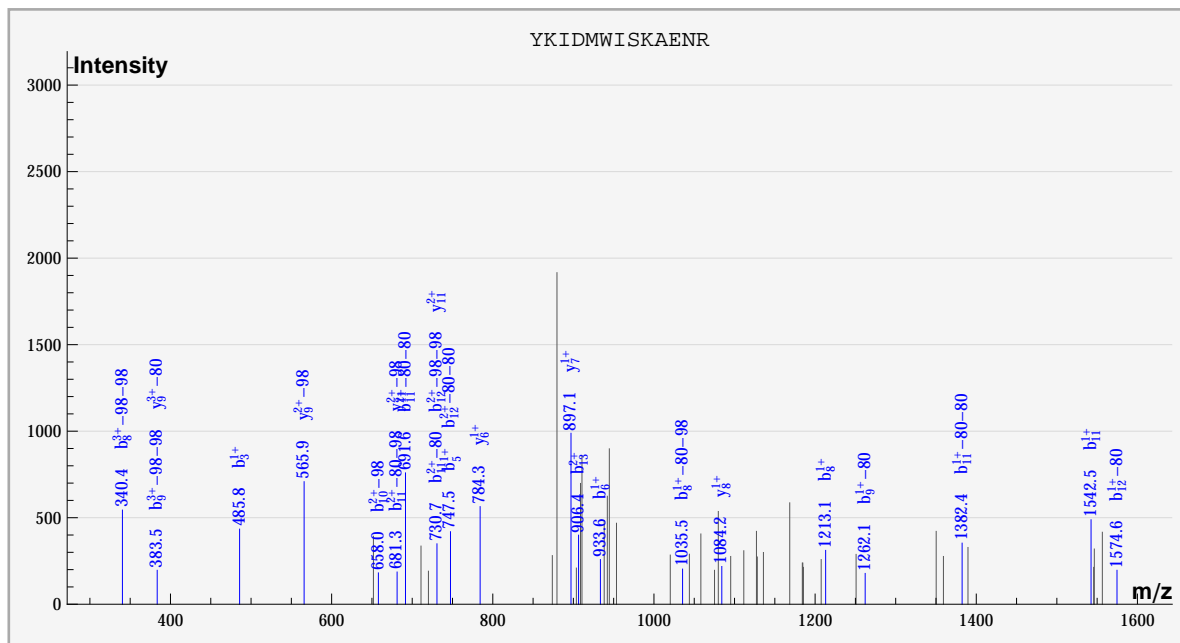
dbValid true CYRKFSGPAYTR Cys\_CAM(1),PHOS(4) 2. 915.  
 -1.69786 5.13162 100. ? 2898. S\_Acido\_new%g|68566666|gb|AA79595.1|  
 CYRKFSGPAYTR%:Cys\_CAM:PHOS:::PHOS:::PHOS:PHOS::%sample\_0%compd\_1405



	#	b	b*	#	y	y*	P	P*
C	1							
Y	2			11				
R	3			10				
K	4			9		✓		
F	5			8		✓		
S	6	✓		7	✓			
G	7	✓		6				
P	8			5	✓	✓		
A	9	✓		4				
Y	10			3				
T	11			2				
R	12			1				

C Y R K F S G P A Y T R

dbValid true YKIDMWISKAENR Oxidation\_M(1),PHOS(2) 2. 916. -0.611743 6.07307 100. ? 4176.  
 S\_Acido\_new%gij68567985|gb|AAy80914.1| YKIDMWISKAENR%:PHOS:::Oxidation\_M:::PHOS:::sample\_0%compd\_2709

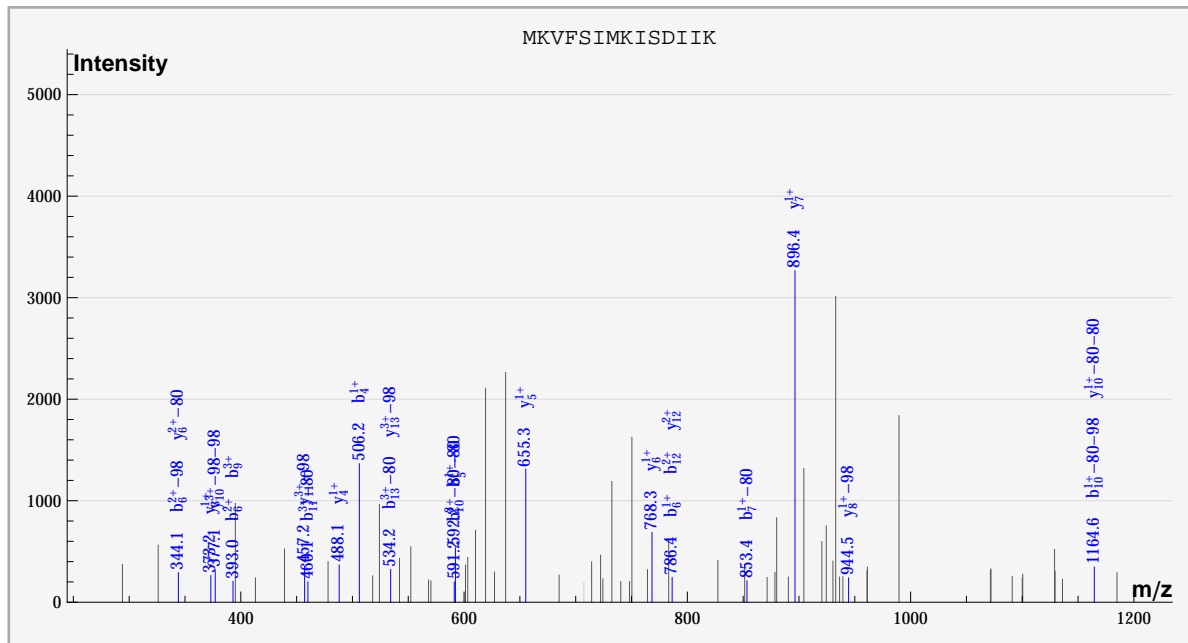


	#	b	b*	#	y	y*	P	P*
Y	1							
K	2			12				
I	3	✓		11	✓	✓		
D	4			10				
M	5	✓		9		✓		
W	6	✓		8	✓			
I	7			7	✓			
S	8	✓	✓	6	✓			
K	9		✓	5				
A	10		✓	4				
E	11	✓	✓	3				
N	12		✓	2				
R	13	✓		1				

Y K I D M W I S K A E N R

dbValid true MKVFSIMKISDIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 5.94792 100. ? 4296.

S\_Acido\_new%gi68567853|gb|AAy80782.1| MKVFSIMKISDIK%::::PHOS::Oxidation\_M::PHOS::::%sample\_0%compd\_2595

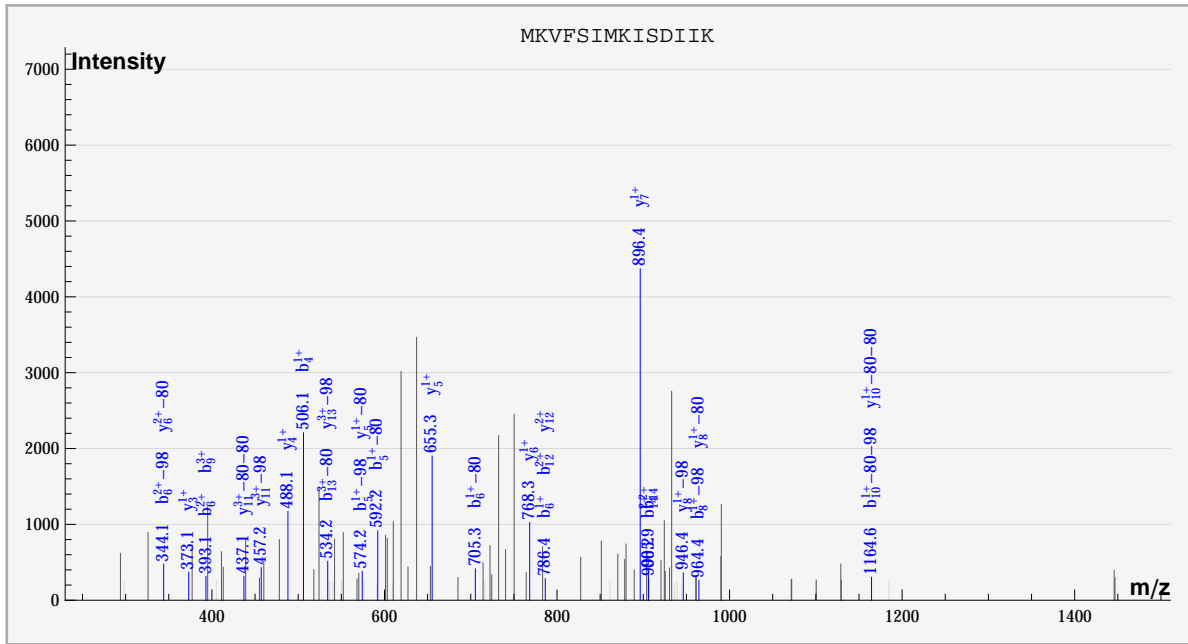


	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12	✓			
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7		✓	8		✓		
K	8			7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓			
D	11		✓	4	✓			
I	12	✓		3	✓			
I	13		✓	2				
K	14			1				

M [ K [ V [ F [ S ] I ] M [ K [ I ] S ] D ] I ] I ] K



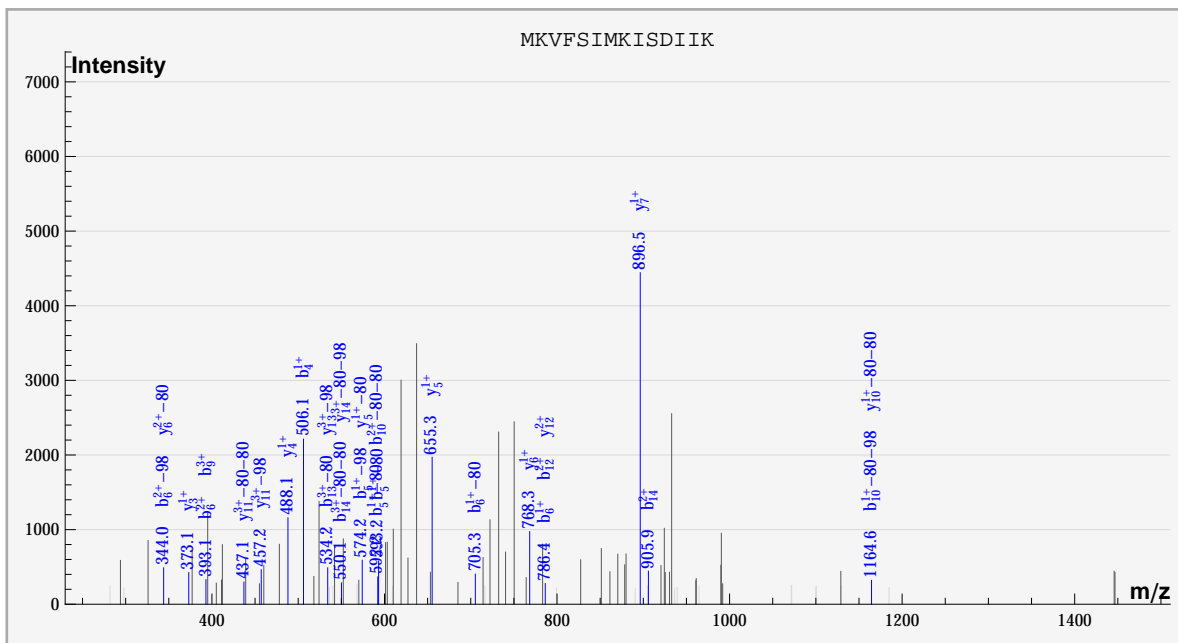
dbValid true MKVFSIMKISDIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.26647 100. ? 4320.  
 S\_Acido\_new%gi68567853|gb|AAy80782.1| MKVFSIMKISDIK%::::PHOS::Oxidation\_M::PHOS::::%sample\_0%compd\_2616



	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12	✓			
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8		✓		
K	8		✓	7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓	✓		
D	11			4	✓			
I	12	✓		3	✓			
I	13		✓	2				
K	14	✓		1				

M [ K [ V [ F [ S ] I ] M [ K ] I ] S ] D [ I ] I ] K ]

dbValid true MKVFSIMKISDIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.47093 100. ? 4332.  
 S\_Acido\_new%gi68567853|gb|AAy80782.1| MKVFSIMKISDIK%::::PHOS:::Oxidation\_M:::PHOS:::::%sample\_0%compd\_2626

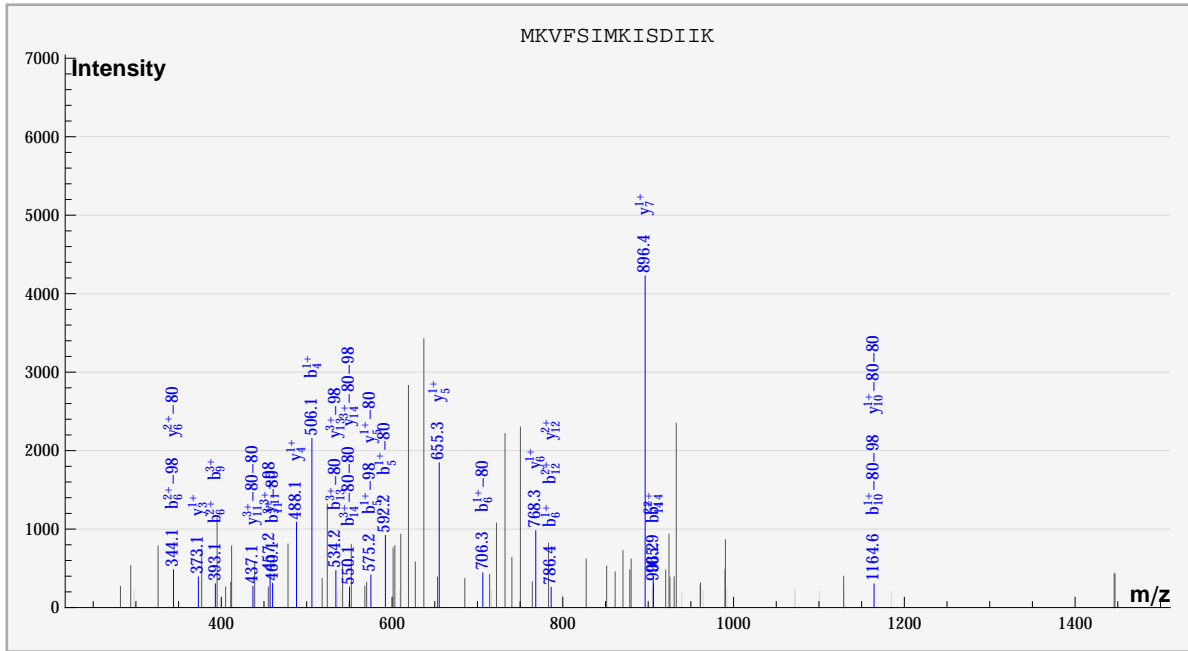


	#	b	b*	#	y	y*	P	P*
M	1							✓
K	2			13		✓		
V	3			12	✓			
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8				
K	8			7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓	✓		
D	11			4	✓			
I	12	✓		3	✓			
I	13	✓	✓	2				
K	14	✓	✓	1				

「M」 「K」 「V」 「F」 「S」 「I」 「M」 「K」 「I」 「S」 「D」 「I」 「I」 「K」



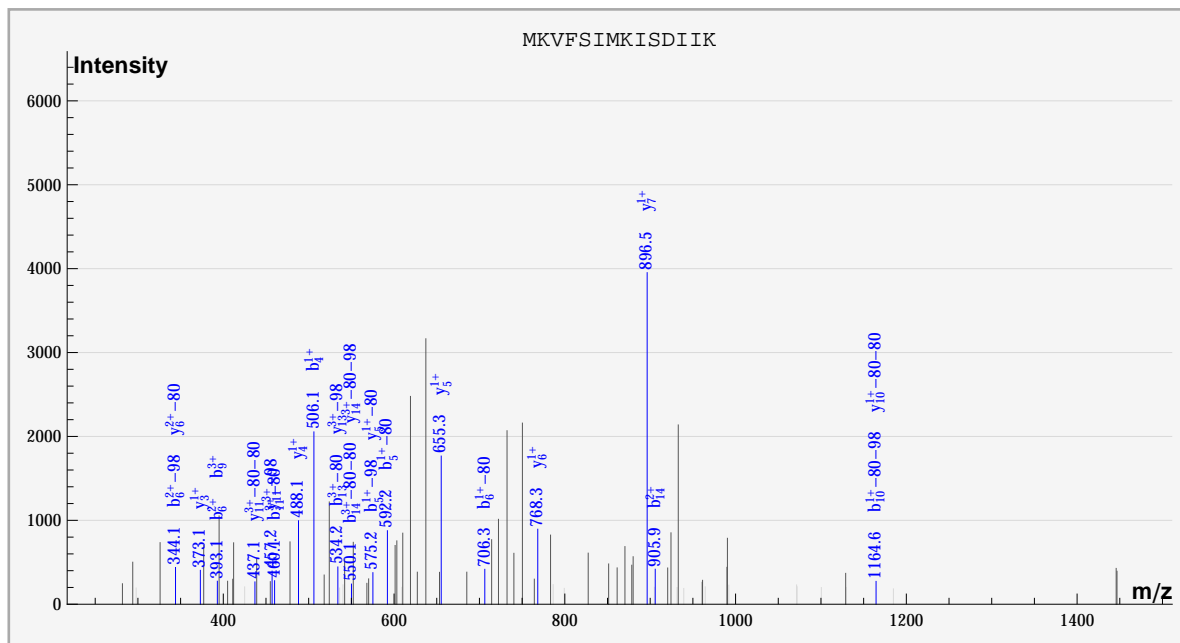
dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.48716 100. ? 4344.  
 S\_Acido\_new%gi68567853|gb|AAy80782.1| MKVFSIMKISDIIK%::::PHOS::Oxidation\_M::PHOS::::%sample\_0%compd\_2637



	#	b	b*	#	y	y*	P	P*
M	1							✓
K	2			13		✓		
V	3			12	✓			
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8				
K	8			7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓	✓		
D	11		✓	4	✓			
I	12	✓		3	✓			
I	13		✓	2				
K	14	✓	✓	1				

「M」 「K」 「V」 「F」 「S」 「I」 「M」 「K」 「I」 「S」 「D」 「I」 「I」 「K」

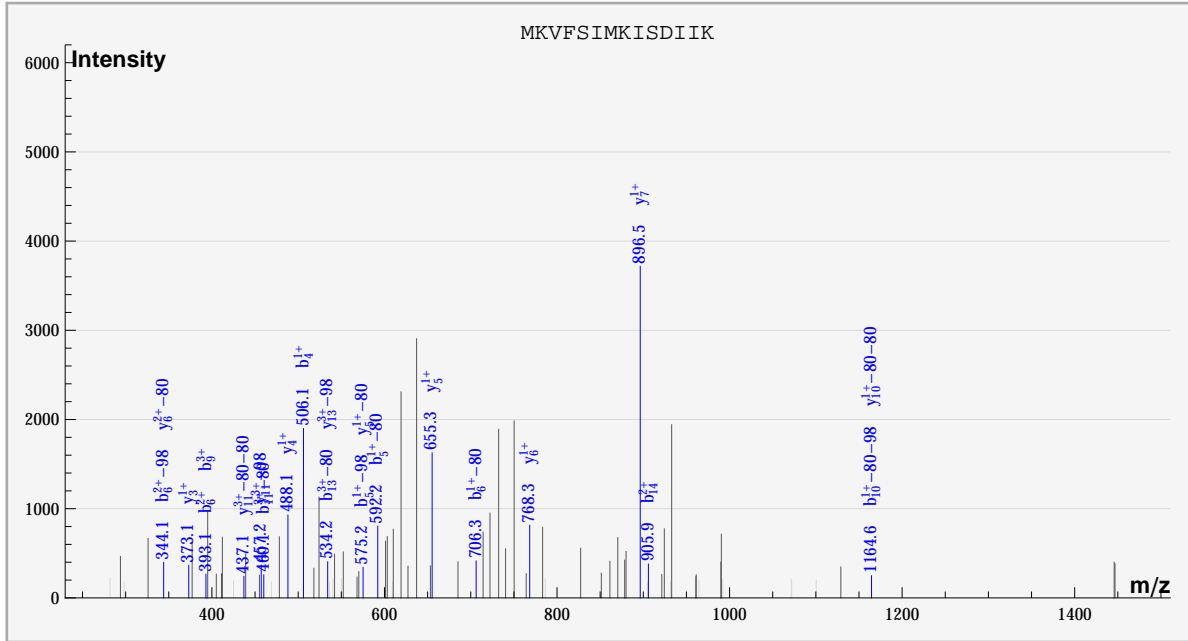
dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.63729 100. ? 4356.  
 S\_Acido\_new%gi68567853|gb|AAy80782.1| MKVFSIMKISDIIK%::::PHOS:::Oxidation\_M:::PHOS:::::%sample\_0%compd\_2648



	#	b	b*	#	y	y*	P	P*
M	1							✓
K	2			13				✓
V	3			12				
F	4	✓		11				✓
S	5		✓	10				✓
I	6	✓	✓	9				
M	7			8				
K	8			7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓	✓		
D	11		✓	4	✓			
I	12			3	✓			
I	13		✓	2				
K	14	✓	✓	1				

「M」 「K」 V 「F」 「S」 I 「M」 「K」 「I」 「S」 「D」 「I」 I 「K」

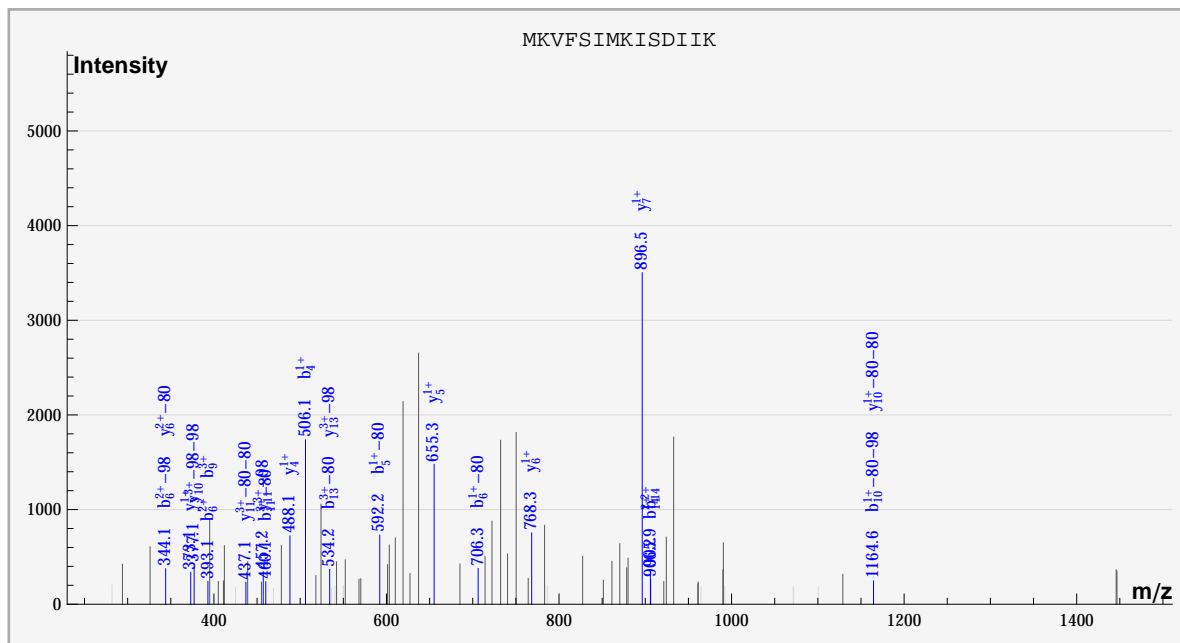
dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.66934 100. ? 4368.  
 S\_Acido\_new%g|68567853|g|AAAY80782.1| MKVFSIMKISDIIK%::::PHOS::Oxidation\_M::PHOS::::%sample\_0%compd\_2658



	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12				
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8				
K	8			7		✓		
I	9	✓		6		✓	✓	
S	10		✓	5		✓	✓	
D	11		✓	4		✓		
I	12			3		✓		
I	13		✓	2				
K	14	✓		1				

M [ K V [ F ] S ] I ] M [ K [ I ] S ] D ] I I ] K ]

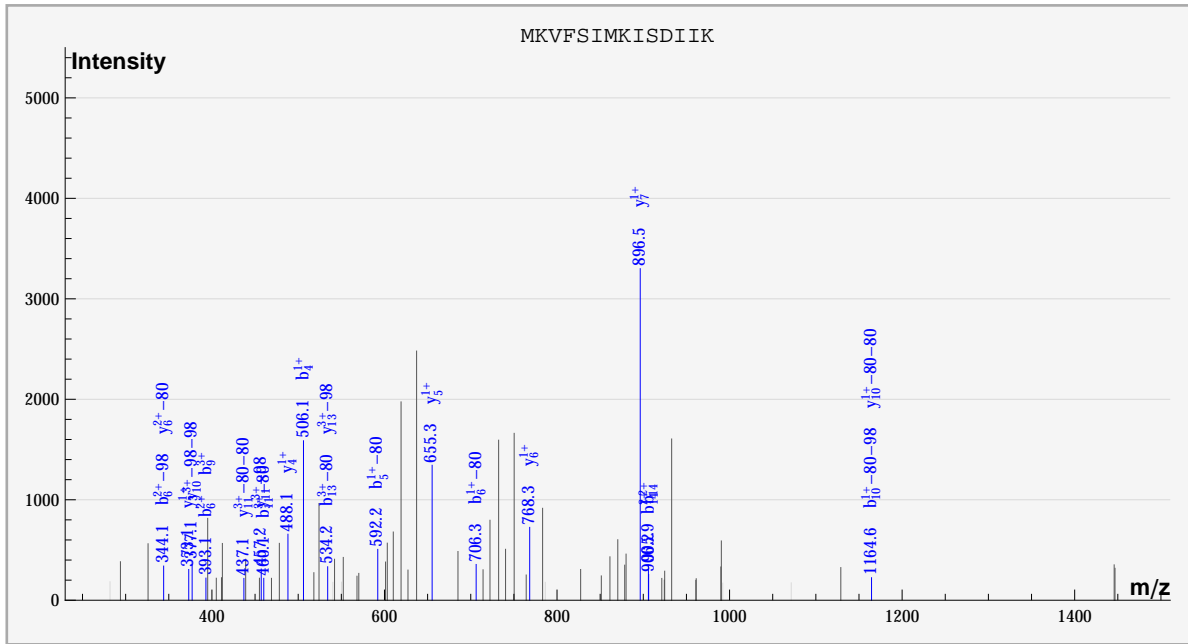
dbValid true MKVFSIMKISDIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.40604 100. ? 4380.  
 S\_Acido\_new%gi68567853|gb|AAy80782.1| MKVFSIMKISDIK%::::PHOS:::Oxidation\_M:::PHOS:::::%sample\_0%compd\_2668



	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12				
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8				
K	8			7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓			
D	11		✓	4	✓			
I	12			3	✓			
I	13		✓	2				
K	14	✓		1				

M [ K V [ F ] S ] I ] M [ K [ I ] S ] D ] I I ] K ]

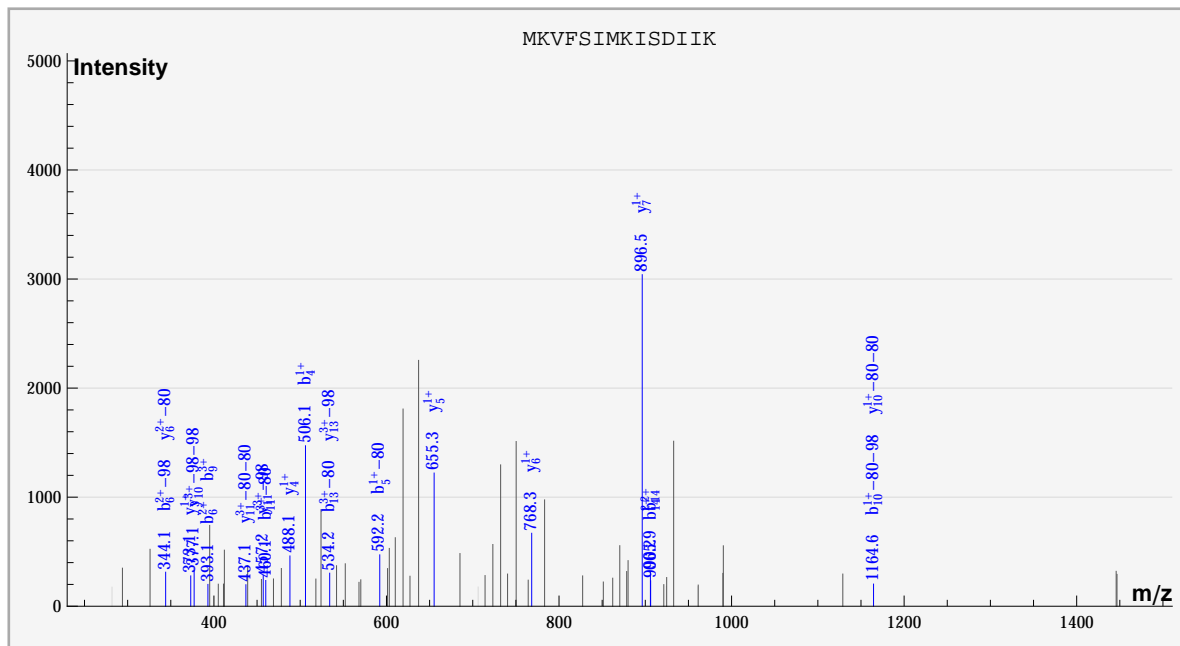
dbValid true MKVFSIMKISDIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.51802 100. ? 4392.  
 S\_Acido\_new%gil68567853|gb|AAY80782.1| MKVFSIMKISDIK%::::PHOS:::Oxidation\_M:::PHOS:::::%sample\_0%compd\_2679



	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12				
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8				
K	8			7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓			
D	11		✓	4	✓			
I	12			3	✓			
I	13		✓	2				
K	14	✓		1				

M [ K V [ F ] S ] I ] M [ K [ I ] S ] D ] I I ] K ]

dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.25512 100. ? 4404.  
 S\_Acido\_new%gi68567853|gb|AAY80782.1| MKVFSIMKISDIIK%::::PHOS:::Oxidation\_M:::PHOS:::::%sample\_0%compd\_2689

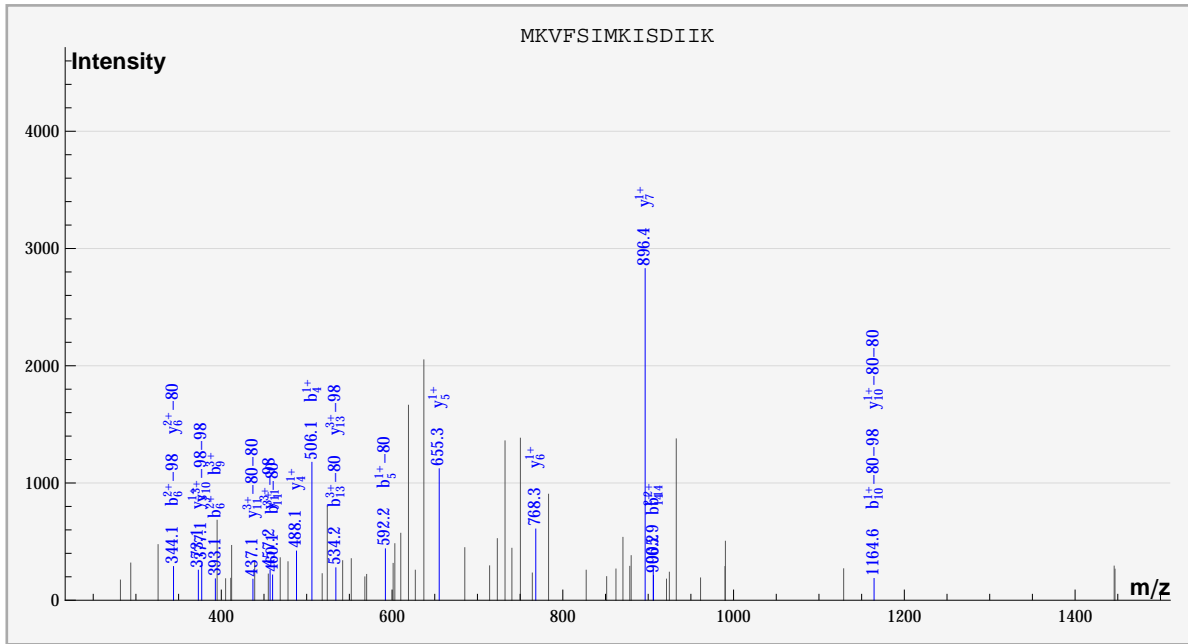


	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12				
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8				
K	8			7		✓		
I	9	✓		6		✓	✓	
S	10		✓	5		✓		
D	11		✓	4		✓		
I	12			3		✓		
I	13		✓	2				
K	14	✓		1				

M [ K V [ F ] S ] I ] M [ K [ I ] S ] D ] I I ] K ]

dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.27178 100. ? 4416.

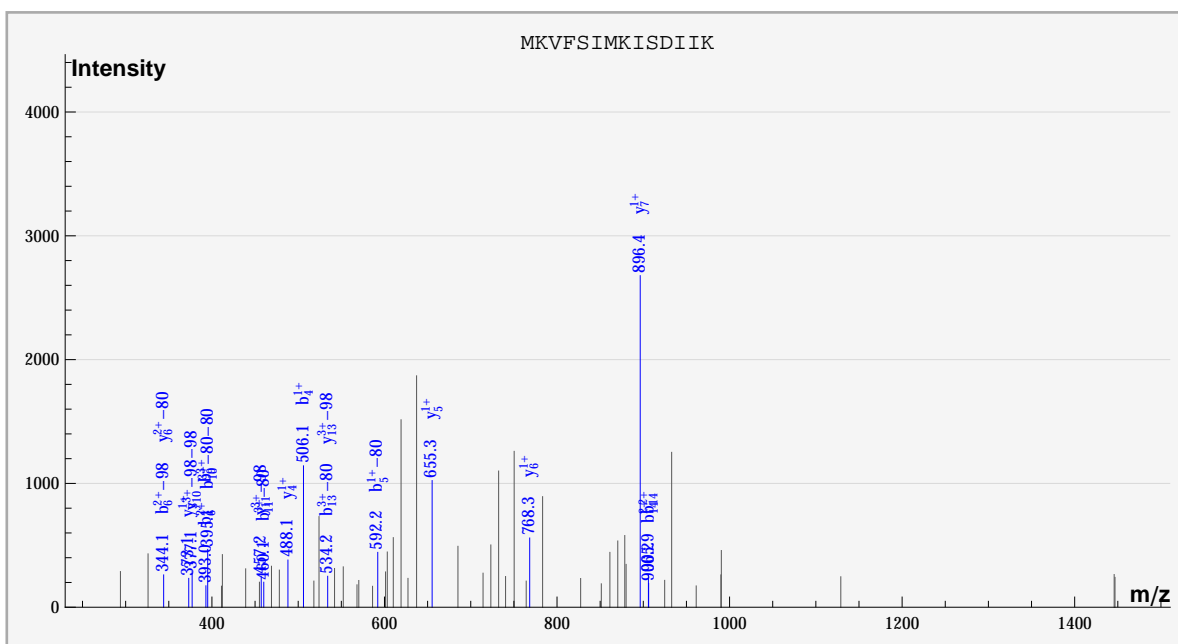
S\_Acido\_new%gil68567853|gb|AAy80782.1| MKVFSIMKISDIIK%::::PHOS:::Oxidation\_M:::PHOS:::::%sample\_0%compd\_2699



	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12				
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8				
K	8			7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓			
D	11		✓	4	✓			
I	12			3	✓			
I	13		✓	2				
K	14	✓		1				

M K V F S I M K I S D I I K

dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.08423 100. ? 4428.  
 S\_Acido\_new%gi|68567853|gb|AAY80782.1| MKVFSIMKISDIIK%:::PHOS::Oxidation\_M:::PHOS:::sample\_0%compd\_2710



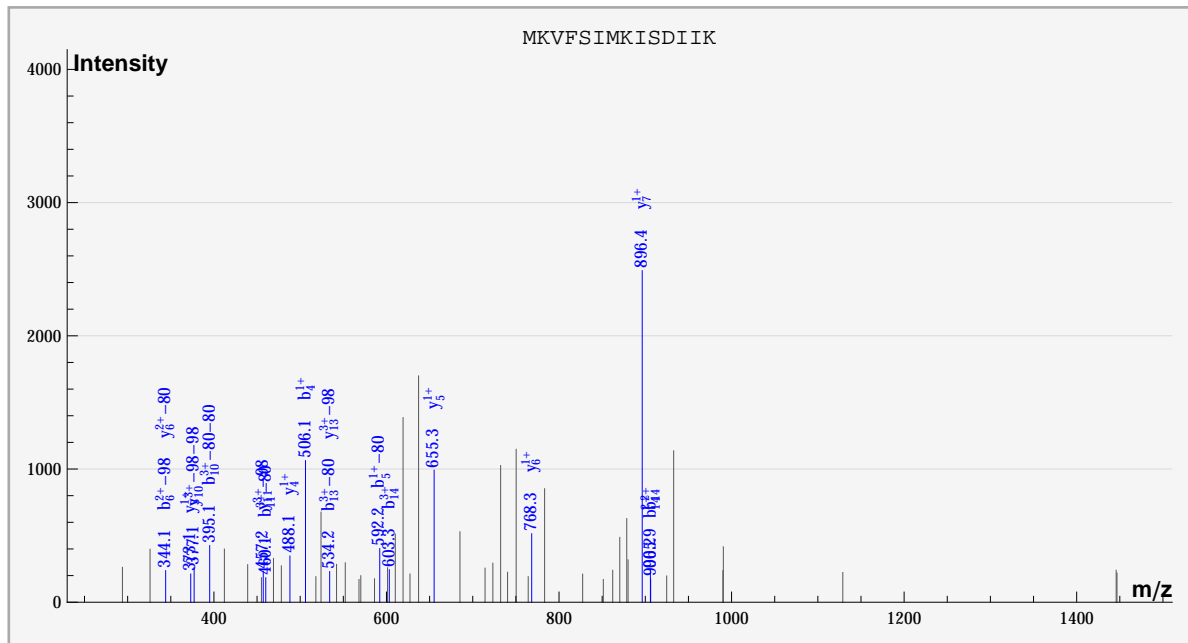
	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12				
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6	✓	✓	9				
M	7			8				
K	8			7	✓			
I	9	✓		6	✓	✓		
S	10		✓	5	✓			
D	11		✓	4	✓			
I	12			3	✓			
I	13		✓	2				
K	14	✓		1				

M [ K V [ F ] S ] I ] M [ K [ I ] S ] D ] I I ] K ]



dbValid true MKVFSIMKISDIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.2909 100. ? 4440.

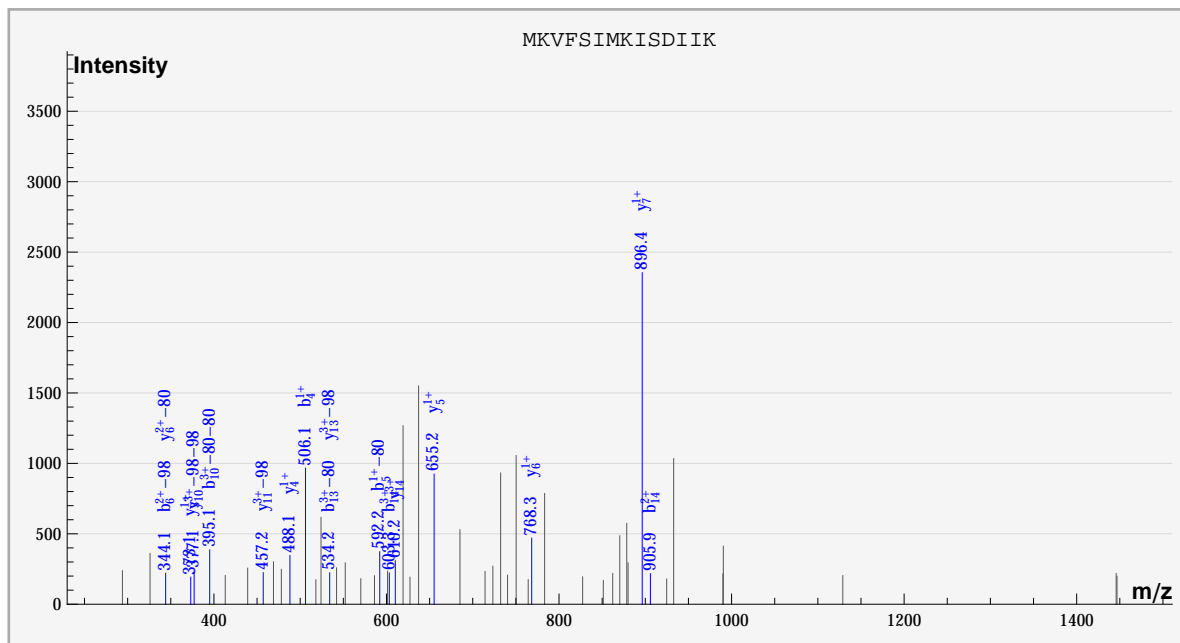
S\_Acido\_new%gi68567853|gb|AAY80782.1| MKVFSIMKISDIK%::::PHOS:::Oxidation\_M:::PHOS:::::sample\_0%compd\_2720



	#	b	b*	#	y	y*	P	P*
M	1							
K	2			13		✓		
V	3			12				
F	4	✓		11		✓		
S	5		✓	10		✓		
I	6		✓	9				
M	7			8				
K	8			7	✓			
I	9			6	✓	✓		
S	10		✓	5	✓			
D	11		✓	4	✓			
I	12			3	✓			
I	13		✓	2				
K	14	✓		1				

M K V F S I M K I S D I I K

dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.20895 100. ? 4452.  
 S\_Acido\_new%g|68567853|g|AAAY80782.1| MKVFSIMKISDIIK%:::PHOS::Oxidation\_M:::PHOS:::sample\_0%compd\_2730

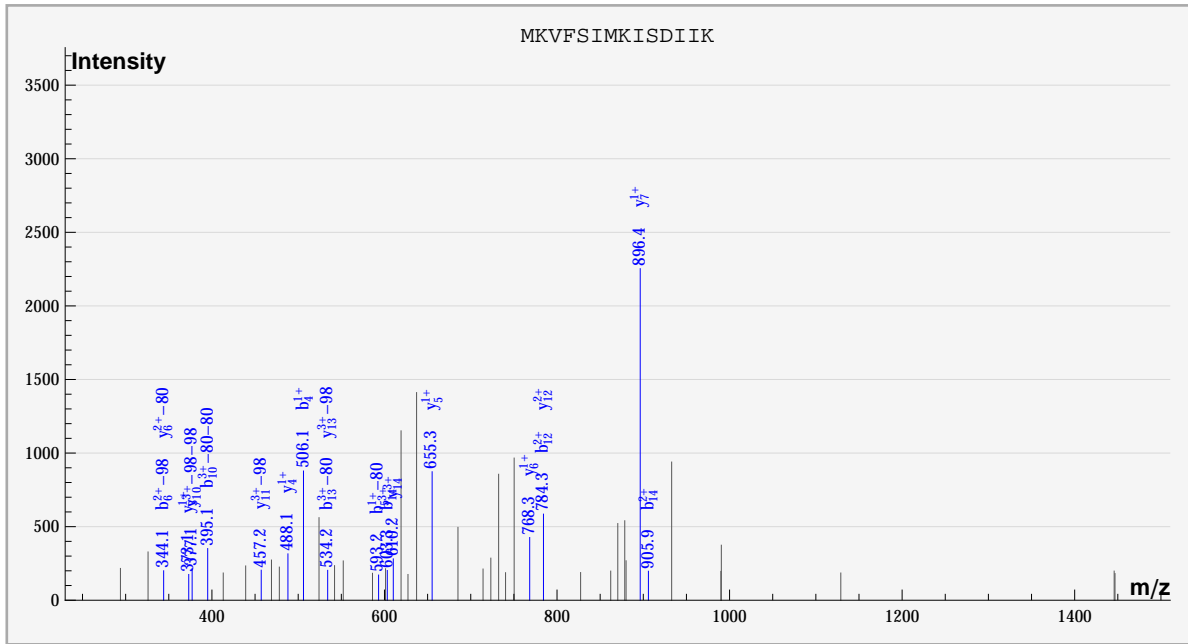


	#	b	b*	#	y	y*	P	P*
M	1							✓
K	2			13				✓
V	3			12				
F	4	✓		11				✓
S	5		✓	10				✓
I	6		✓	9				
M	7			8				
K	8			7	✓			
I	9			6	✓	✓		
S	10		✓	5	✓			
D	11			4	✓			
I	12			3	✓			
I	13		✓	2				
K	14	✓		1				

「M」 「K」 V 「F」 「S」 I 「M」 「K」 「I」 「S」 「D」 「I」 I 「K」

dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 6.38845 100. ? 4464.

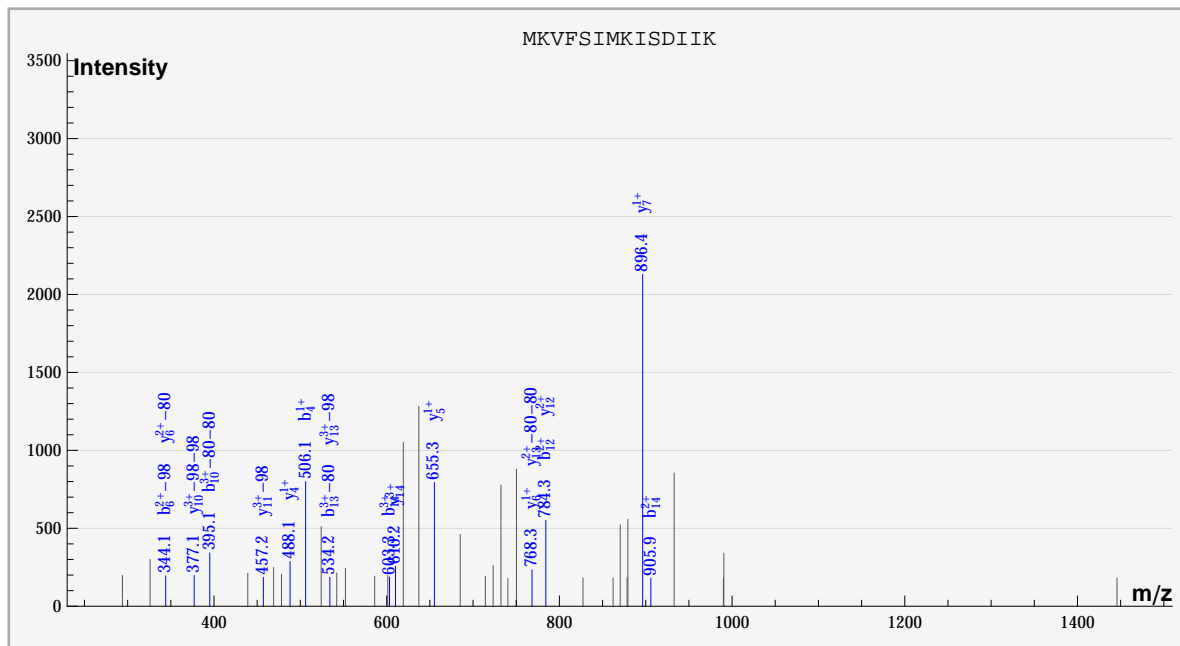
S\_Acido\_new%gi68567853|gb|AAY80782.1| MKVFSIMKISDIIK%::::PHOS:::Oxidation\_M:::PHOS:::::%sample\_0%compd\_2741



	#	b	b*	#	y	y*	P	P*
M	1						✓	
K	2			13				✓
V	3			12	✓			
F	4	✓		11				✓
S	5		✓	10				✓
I	6		✓	9				
M	7			8				
K	8			7	✓			
I	9			6	✓	✓		
S	10		✓	5	✓			
D	11			4	✓			
I	12	✓		3		✓		
I	13		✓	2				
K	14	✓		1				

「M」 「K」 「V」 「F」 「S」 「I」 「M」 「K」 「I」 「S」 「D」 「I」 「I」 「K」

dbValid true MKVFSIMKISDIIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 5.72354 100. ? 4476.  
 S\_Acido\_new%g|68567853|g|AAy80782.1| MKVFSIMKISDIIK%:::PHOS::Oxidation\_M:::PHOS:::sample\_0%compd\_2752

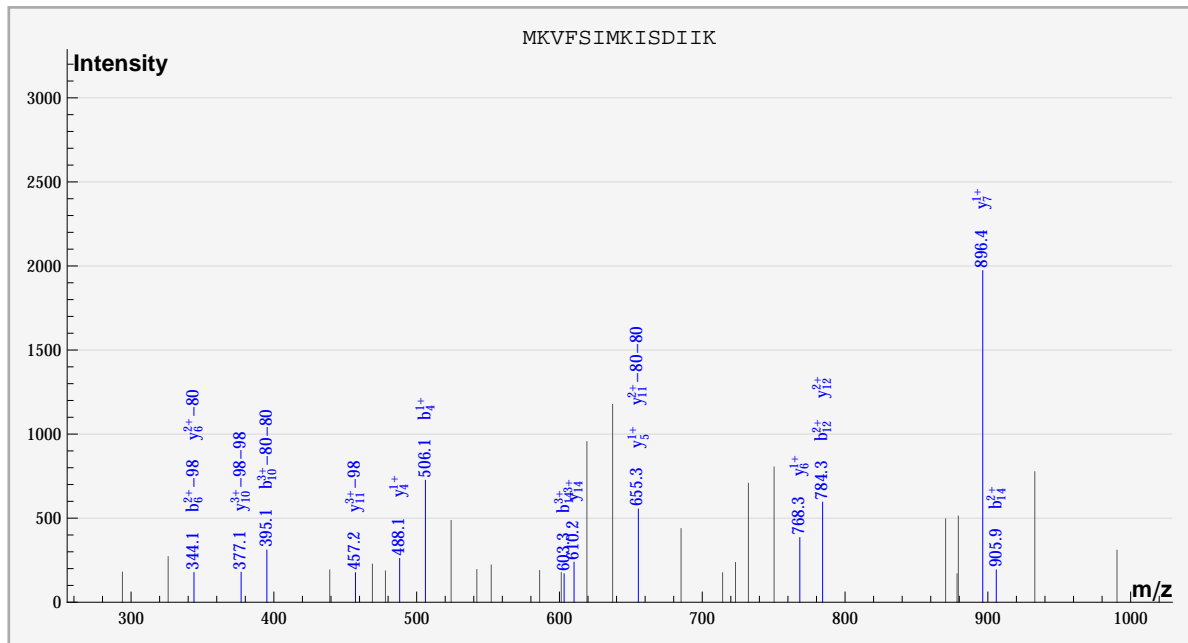


	#	b	b*	#	y	y*	P	P*
M	1							✓
K	2			13				✓
V	3			12	✓			
F	4	✓		11		✓		
S	5			10		✓		
I	6		✓	9				
M	7			8				
K	8			7	✓			
I	9			6	✓	✓		
S	10		✓	5	✓			
D	11			4	✓			
I	12	✓		3				
I	13		✓	2				
K	14	✓		1				

[M][K][V][F][S][I][M][K][I][S][D][I][I][K]

dbValid true MKVFSIMKISDIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 5.65157 100. ? 4488.

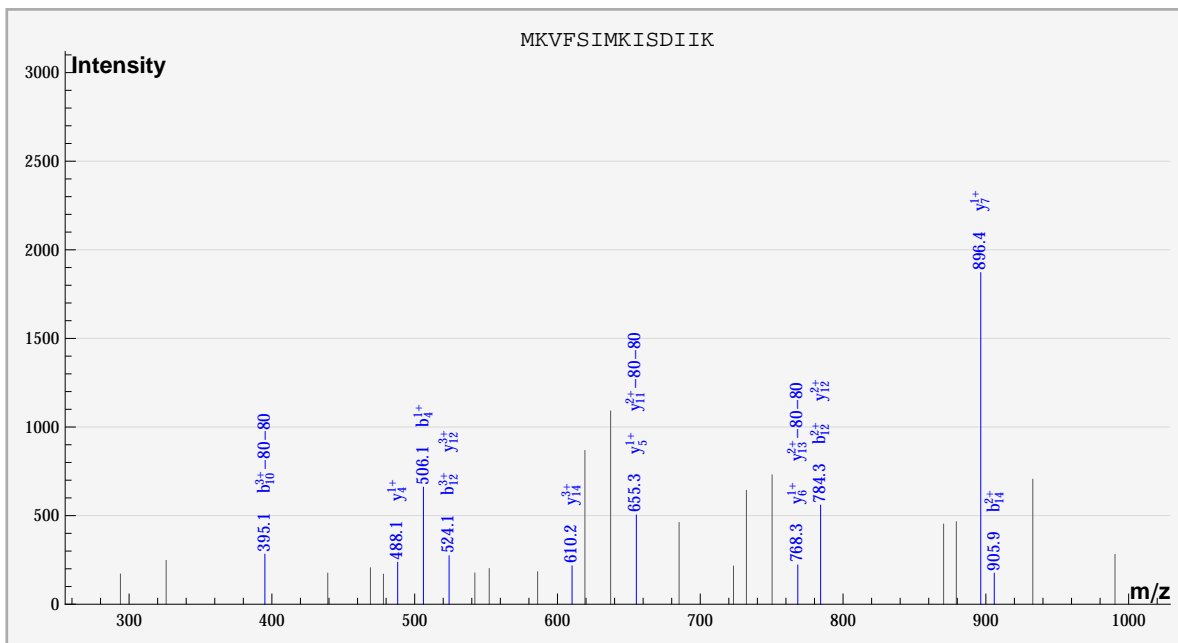
S\_Acido\_new%g|68567853|gb|AAY80782.1| MKVFSIMKISDIK%::::PHOS:::Oxidation\_M:::PHOS:::::%sample\_0%compd\_2762



	#	b	b*	#	y	y*	P	P*
M	1							✓
K	2			13				
V	3			12	✓			
F	4	✓		11		✓		
S	5			10		✓		
I	6		✓	9				
M	7			8				
K	8			7	✓			
I	9			6	✓	✓		
S	10		✓	5	✓			
D	11			4	✓			
I	12	✓		3				
I	13			2				
K	14	✓		1				

「M K 「V 「F」S I」M 「K 「I 「S」D I」I K」

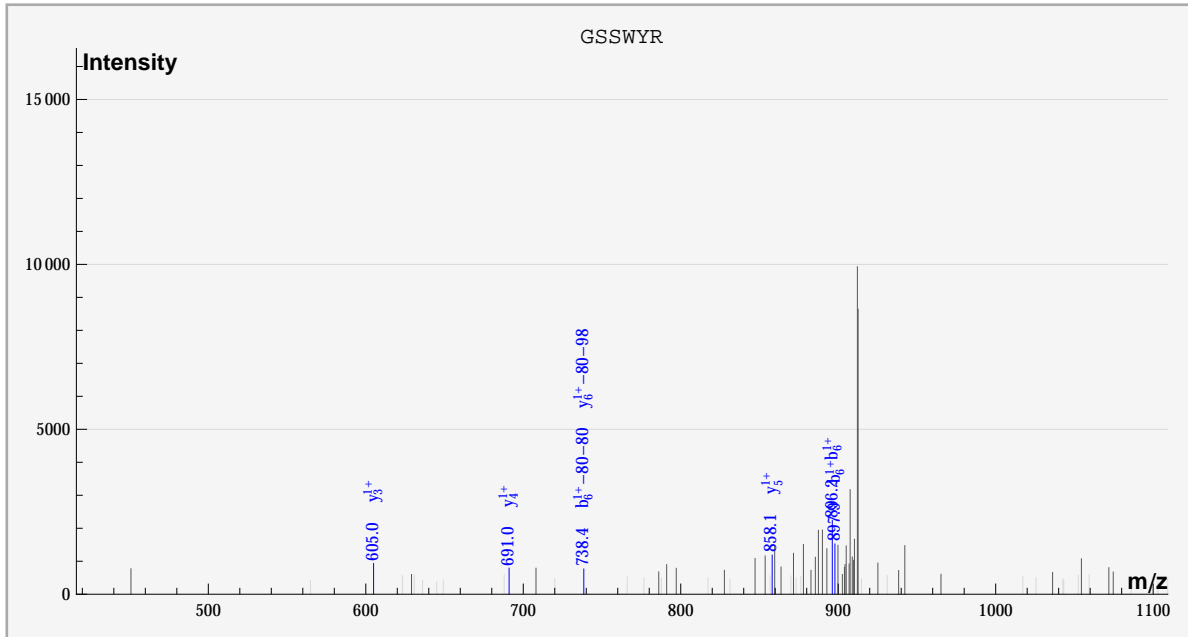
dbValid true MKVFSIMKISDIK Oxidation\_M(1),PHOS(2) 2. 916. -1.05872 5.32484 100. ? 4500.  
 S\_Acido\_new%gi68567853|gb|AAY80782.1| MKVFSIMKISDIK%:::PHOS::Oxidation\_M:::PHOS:::sample\_0%compd\_2772



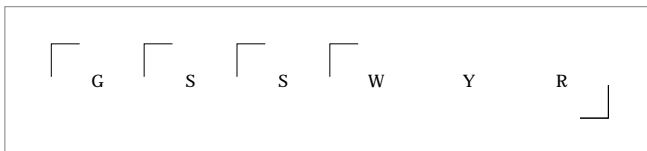
	#	b	b*	#	y	y*	P	P*
M	1						✓	
K	2			13		✓		
V	3			12	✓			
F	4	✓		11		✓		
S	5			10				
I	6			9				
M	7			8				
K	8			7	✓			
I	9			6	✓			
S	10		✓	5	✓			
D	11			4	✓			
I	12	✓		3				
I	13			2				
K	14	✓		1				

「M」 「K」 「V」 「F」 S I M 「K」 「I」 「S」 「D」 I 「I」 K 「」

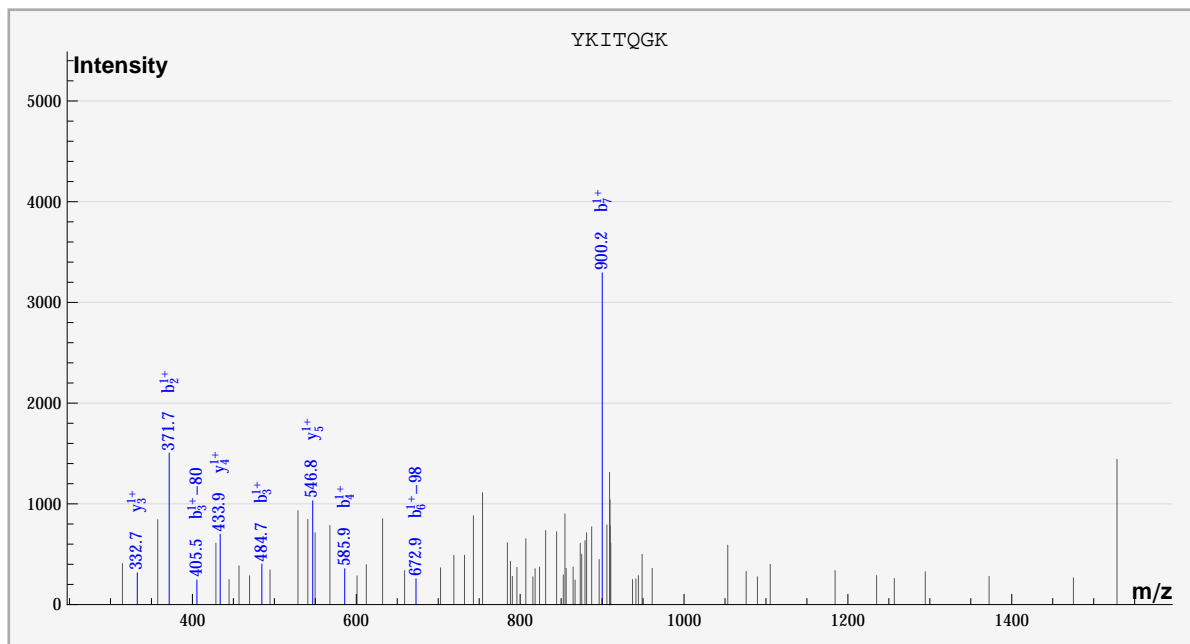
dbValid true GSSWYR PHOS(2) 1. 917. -1.72028 5.42319 100. ? 3258.  
 S\_Acido\_new%gil68568626|gb|AAY81555.1| GSSWYR%::PHOS::PHOS::%sample\_0%cmpd\_1865



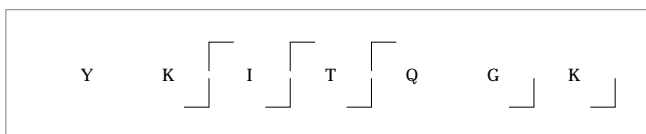
	#	b	b*	#	y	y*	P	P*
G	1							✓
S	2			5	✓			
S	3			4	✓			
W	4			3	✓			
Y	5			2				
R	6	✓	✓	1				



dbValid true YKITQGK PHOS(1) 1. 919. -1.55082 5.70786 100. ? 1980.  
 S\_Acido\_new%gi|68567792|gb|AAY80721.1| YKITQGK%:PHOS::::::%sample\_0%cmpd\_702



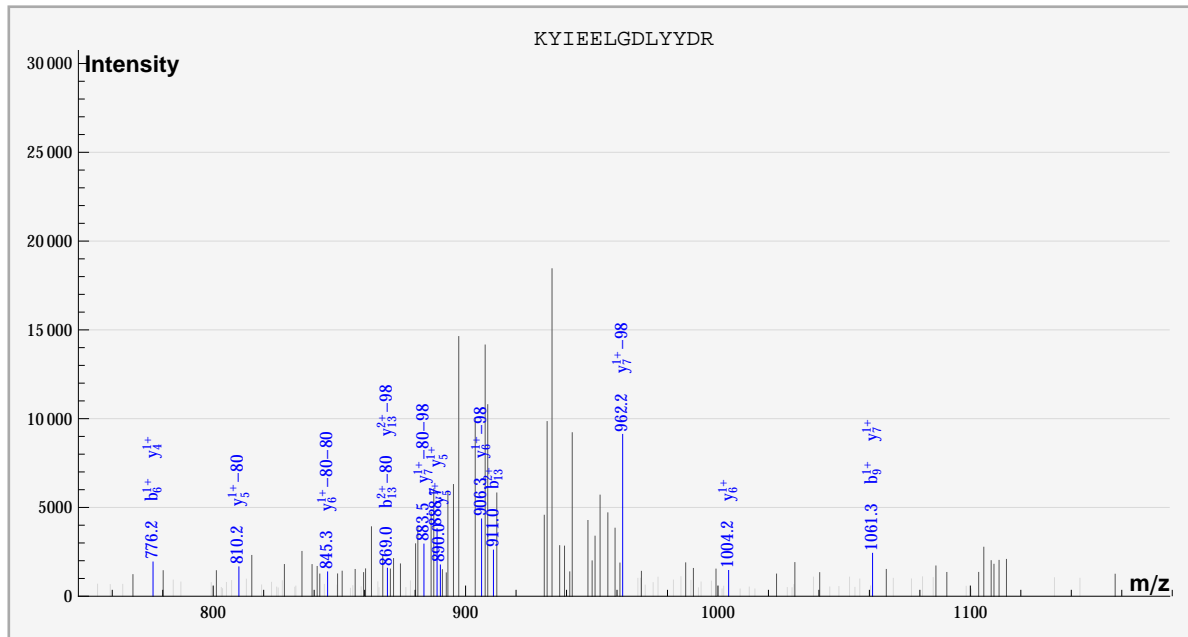
	#	b	b*	#	y	y*	P	P*
Y	1							
K	2	✓		6				
I	3	✓	✓	5	✓			
T	4	✓		4	✓			
Q	5			3	✓			
G	6		✓	2				
K	7	✓		1				





dbValid true KYIEELGDLYYDR PHOS(2) 2. 919. -0.121753 5.11146 100. ? 2502.

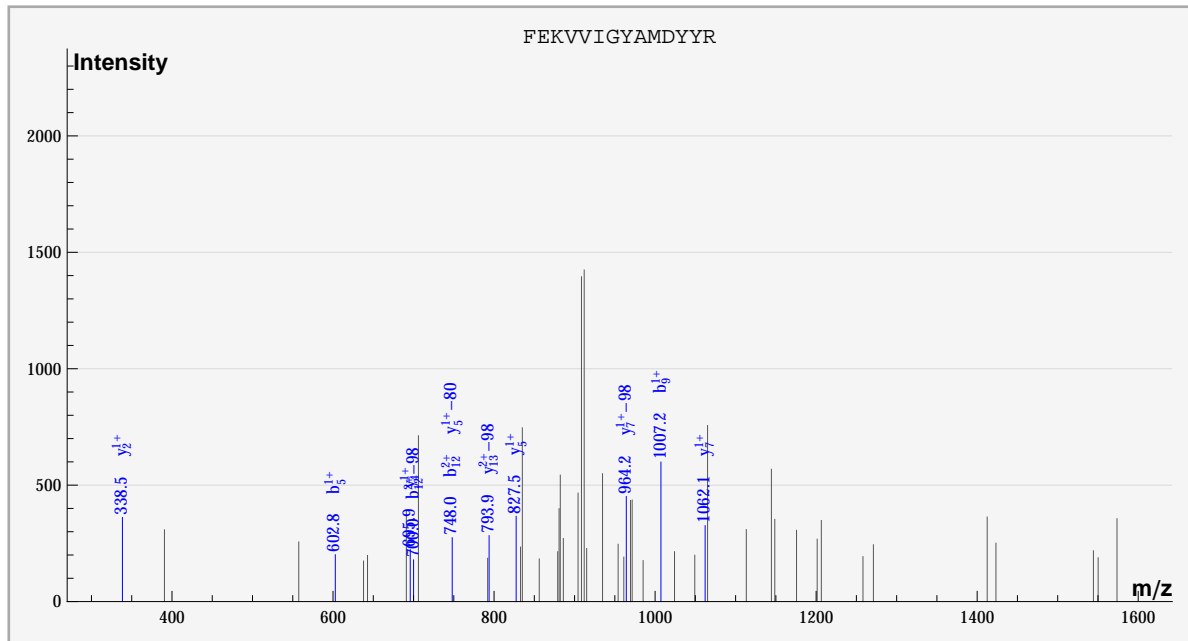
S\_Acido\_new%gi|68566850|gb|AA79779.1| KYIEELGDLYYDR%:::PHOS:PHOS::%sample\_3%compd\_1163



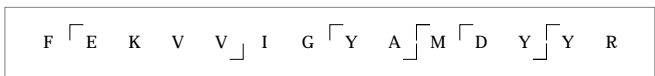
	#	b	b*	#	y	y*	P	P*
K	1							✓
Y	2			12				
I	3			11				
E	4			10				
E	5			9				
L	6	✓		8				
G	7			7	✓	✓		
D	8			6	✓	✓		
L	9	✓		5	✓	✓		
Y	10			4	✓			
Y	11			3				
D	12			2				
R	13	✓	✓	1				

「 K Y I E E L 」 「 G 」 「 D 」 「 L 」 「 Y Y D R 」

dbValid true FEKVVIGYAMDYR PHOS(1) 2. 919. -1.58231 5.07188 100. ? 4080.  
 S\_Acido\_new%gil68566998|gb|AAY79927.1| FEKVVIGYAMDYR%:::PHOS:::sample\_0%compd\_2624

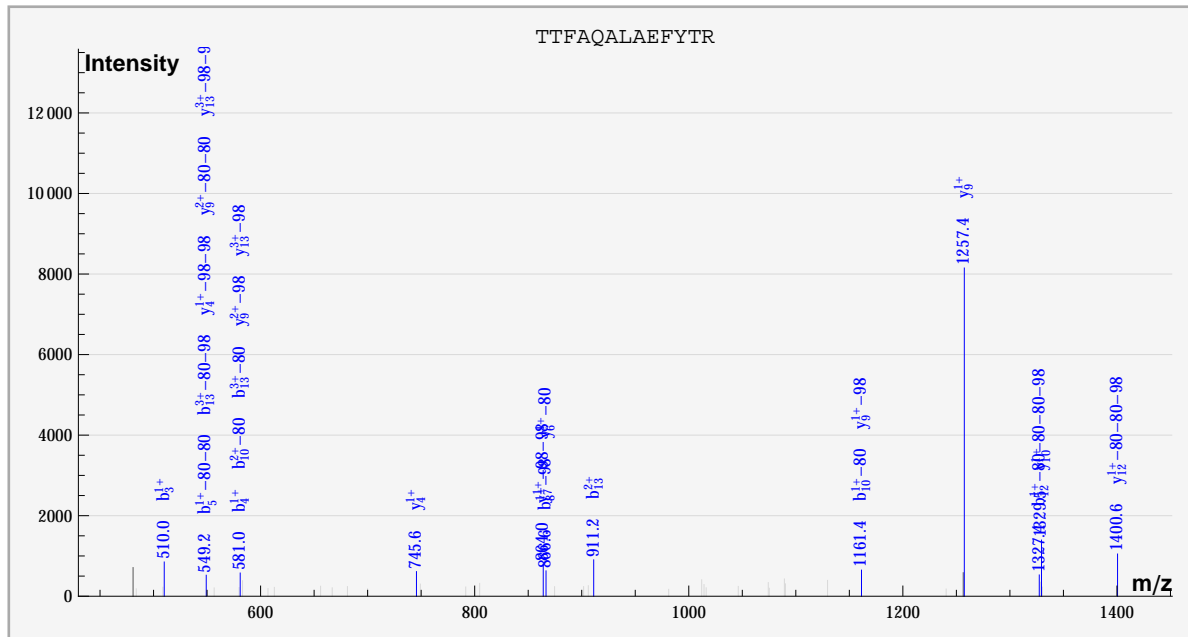


	#	b	b*	#	y	y*	P	P*
F	1							
E	2			13		✓		
K	3			12				
V	4			11				
V	5	✓		10				
I	6			9				
G	7			8				
Y	8			7	✓	✓		
A	9	✓		6				
M	10			5	✓	✓		
D	11			4	✓			
Y	12	✓	✓	3				
Y	13			2	✓			
R	14			1				



dbValid true TTFAQALAEFYTR PHOS(4) 2. 920. -0.184403 5.70598 100. ? 1614.

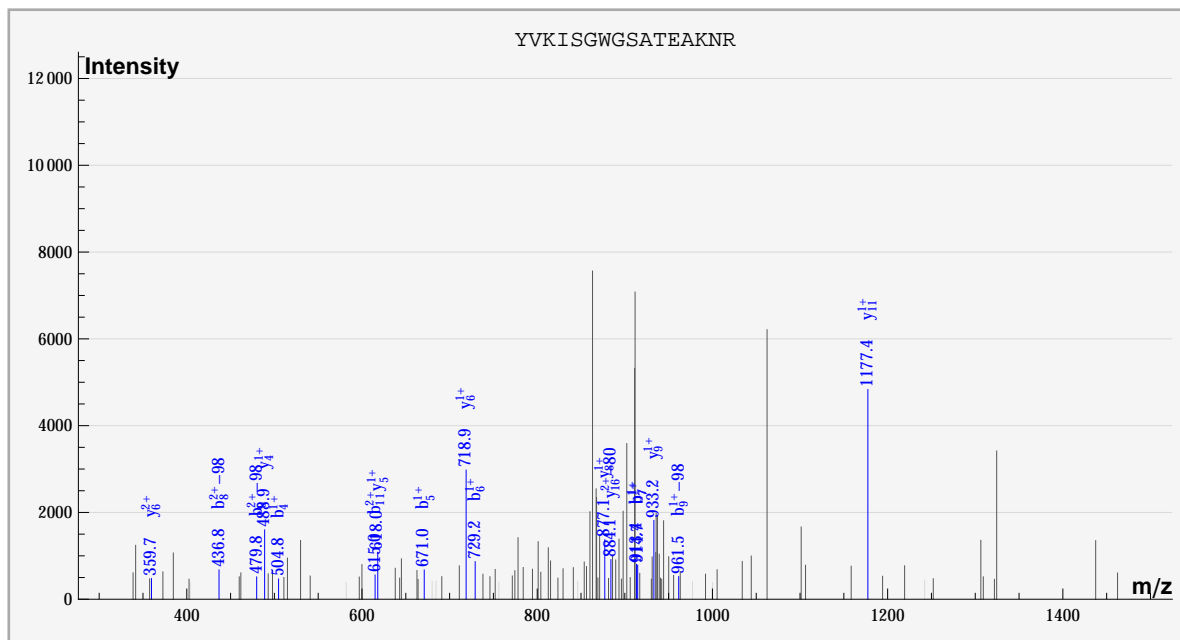
S\_Acido\_new%gi|68567941|gb|AAy80870.1| TTFAQALAEFYTR%:PHOS:PHOS:::PHOS:PHOS::%sample\_2%cmpd\_355



	#	b	b*	#	y	y*	P	P*
T	1							✓
T	2			12		✓		
F	3	✓		11				
A	4	✓		10	✓			
Q	5		✓	9	✓	✓		
A	6			8				
L	7			7		✓		
A	8		✓	6		✓		
E	9			5				
F	10		✓	4	✓	✓		
Y	11			3				
T	12		✓	2				
R	13	✓	✓	1				

TTFAQALAEFYTR

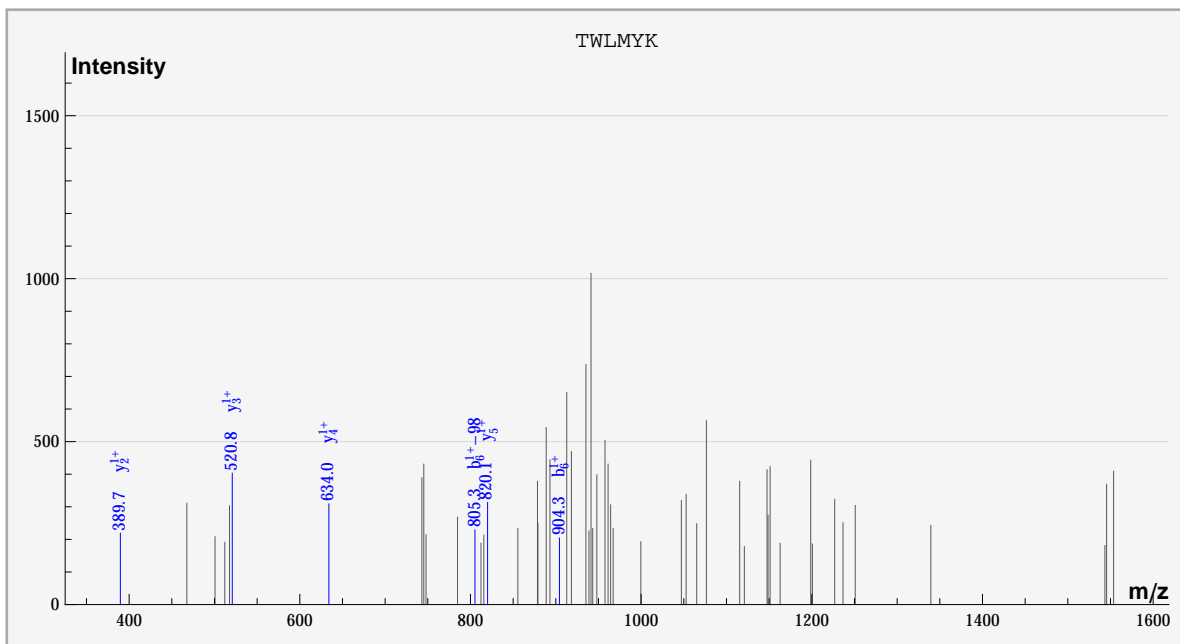
dbValid true YVKISGWSATEAKNR PHOS(1) 2. 922. 1.94599 5.34919 100. ? 2364.  
 S\_Acido\_new%gil68567388|gb|AAy80317.1| YVKISGWSATEAKNR%::::PHOS::::::::::%sample\_2%compd\_1045



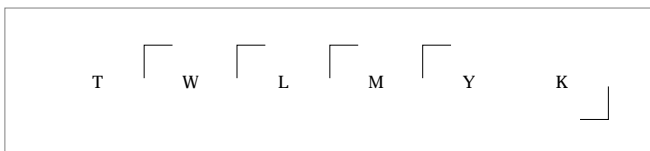
	#	b	b*	#	y	y*	P	P*
Y	1							✓
V	2			15				
K	3			14				
I	4	✓		13				
S	5	✓		12				
G	6	✓		11	✓			
W	7	✓		10				
G	8		✓	9	✓			
S	9		✓	8	✓			
A	10			7				
T	11	✓		6	✓			
E	12			5	✓			
A	13			4	✓			
K	14			3				
N	15			2				
R	16			1				

Y V K I S G W G S A T E A K N R

dbValid true TWLMYK PHOS(1) 1. 923. -1.60602 5.36344 100. ? 4260.  
 S\_Acido\_new%gi|68567318|gb|AAY80247.1| TWLMYK%:::::PHOS::%sample\_2%compd\_2791

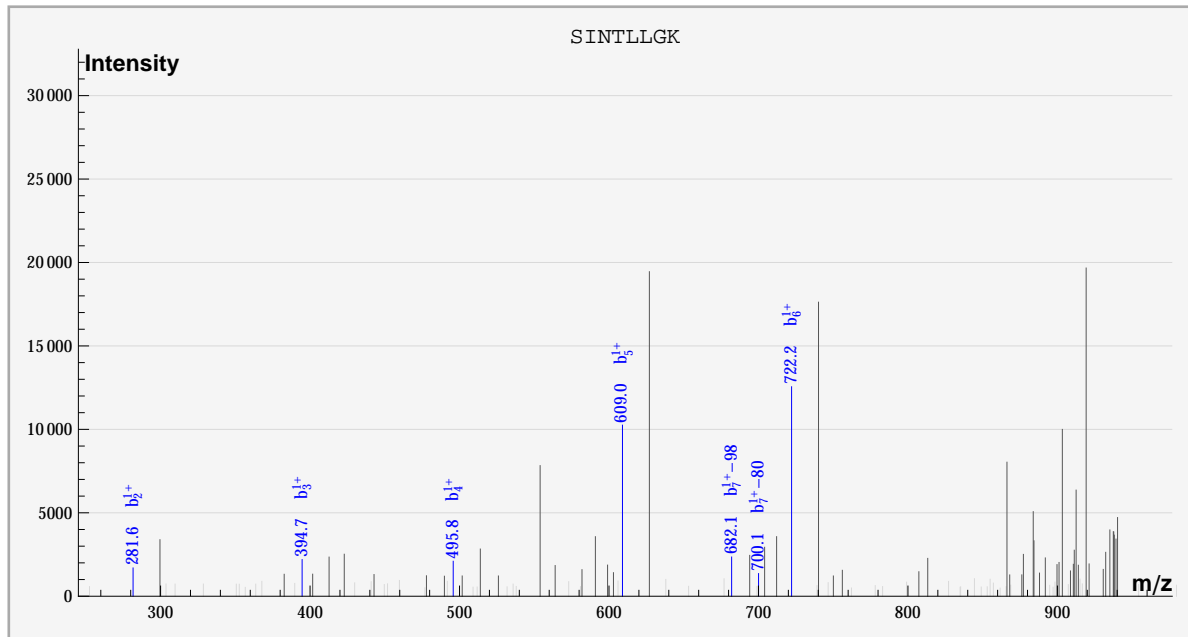


	#	b	b*	#	y	y*	P	P*
T	1							
W	2			5	✓			
L	3			4	✓			
M	4			3	✓			
Y	5			2	✓			
K	6	✓	✓	1				



dbValid true SINTLLGK PHOS(1) 1. 924. 1.4754 5.27071 100. ? 2550.

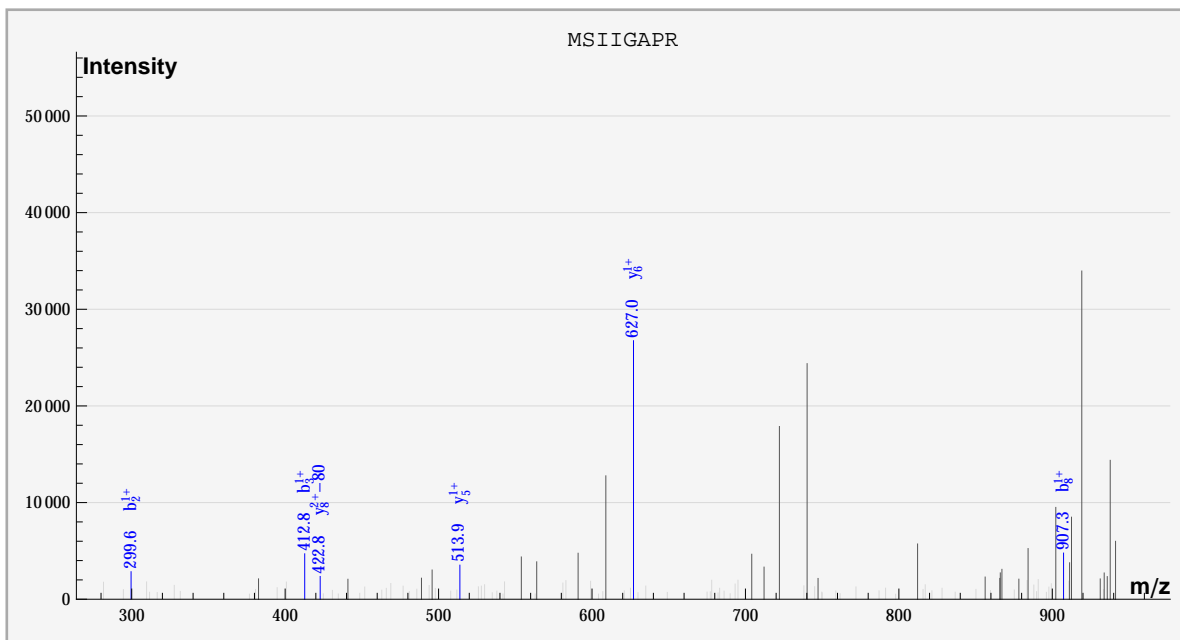
S\_Acido\_new%gi|68568201|gb|AAY81130.1| SINTLLGK%:PHOS:::::sample\_2%cmpd\_1214



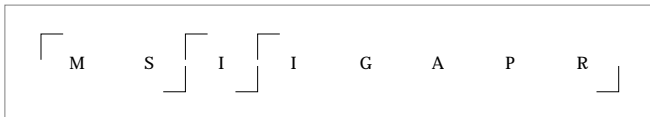
	#	b	b*	#	y	y*	P	P*
S	1							
I	2	✓		7				
N	3	✓		6				
T	4	✓		5				
L	5	✓		4				
L	6	✓		3				
G	7		✓	2				
K	8			1				

S I \_ N \_ T \_ L \_ L \_ G \_ K

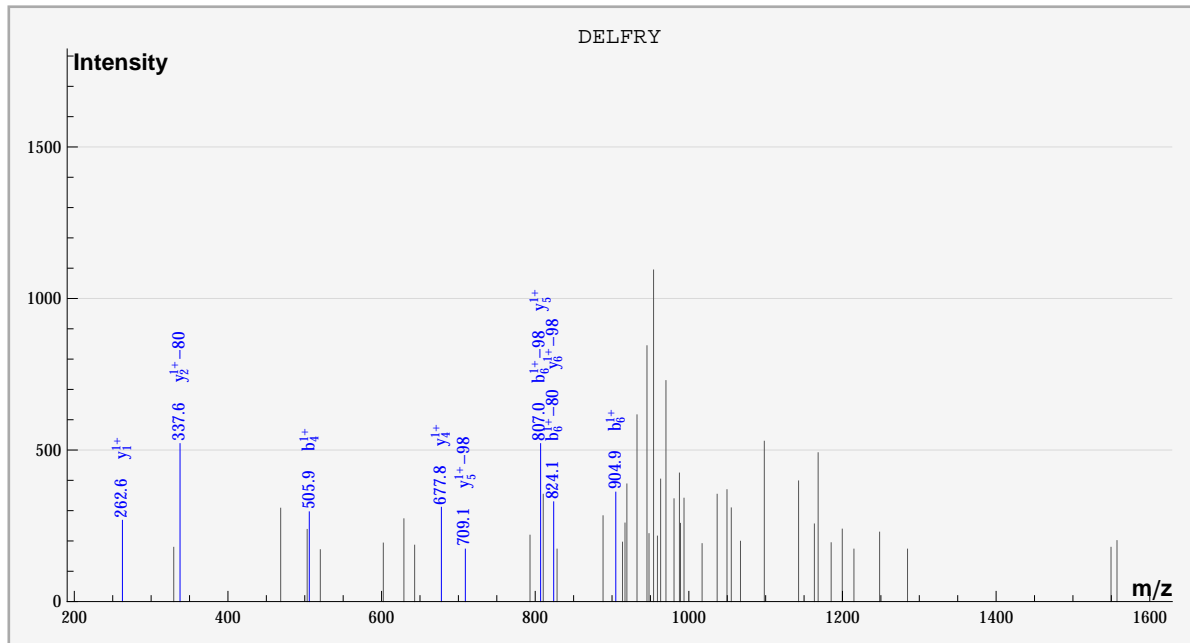
dbValid true MSIIIGAPR PHOS(1) 1. 924. 0.437235 5.76429 100. ? 2562.  
 S\_Acido\_new%gi|68568073|gb|AAY81002.1| MSIIIGAPR%::PHOS:::sample\_2%cmpd\_1226



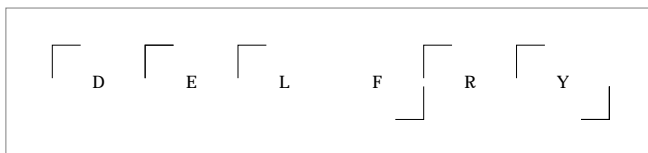
	#	b	b*	#	y	y*	P	P*
M	1							✓
S	2	✓		7				
I	3	✓		6	✓			
I	4			5	✓			
G	5			4				
A	6			3				
P	7			2				
R	8	✓		1				



dbValid true DELFRY PHOS(1) 1. 924. -1.62941 5.38599 100. ? 4500.  
 S\_Acido\_new%gi|68567547|gb|AAY80476.1| DELFRY%:::PHOS:%sample\_2%compd\_3014

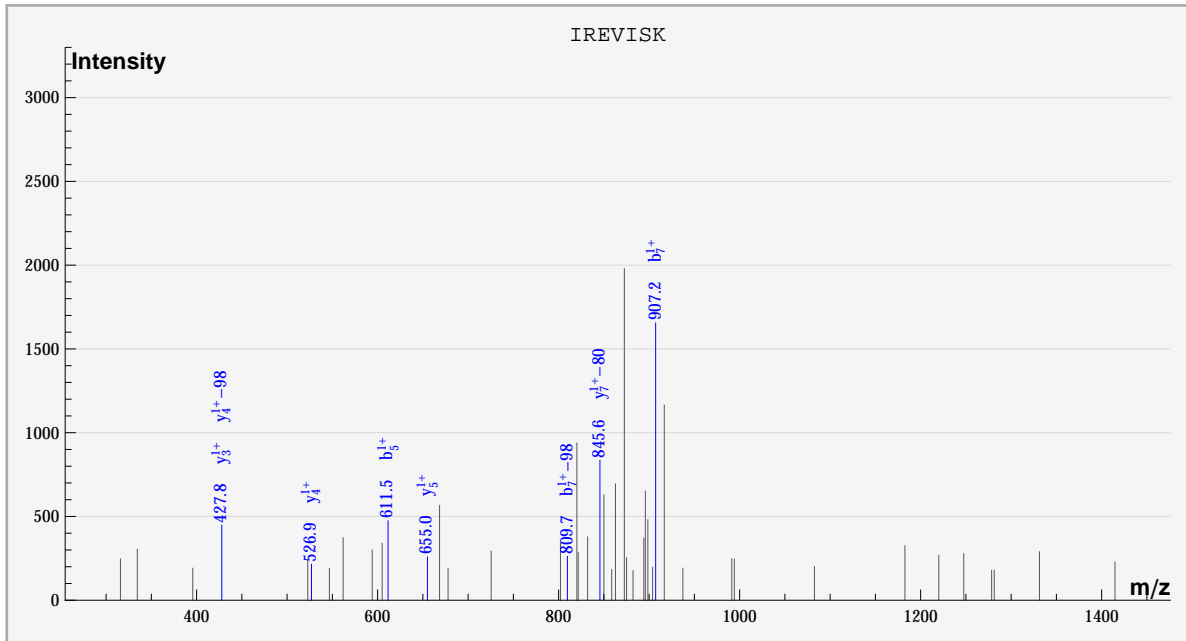


	#	b	b*	#	y	y*	P	P*
D	1							✓
E	2			5	✓	✓		
L	3			4	✓			
F	4	✓		3				
R	5			2		✓		
Y	6	✓	✓	1	✓			

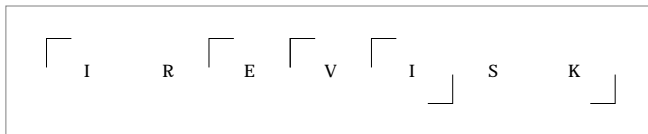




dbValid true IREVISK PHOS(1) 1. 926. -1.50863 5.32948 100. ? 1776.  
 S\_Acido\_new%gi|68566702|gb|AAY79631.1| IREVISK%:::PHOS::%sample\_2%compd\_505

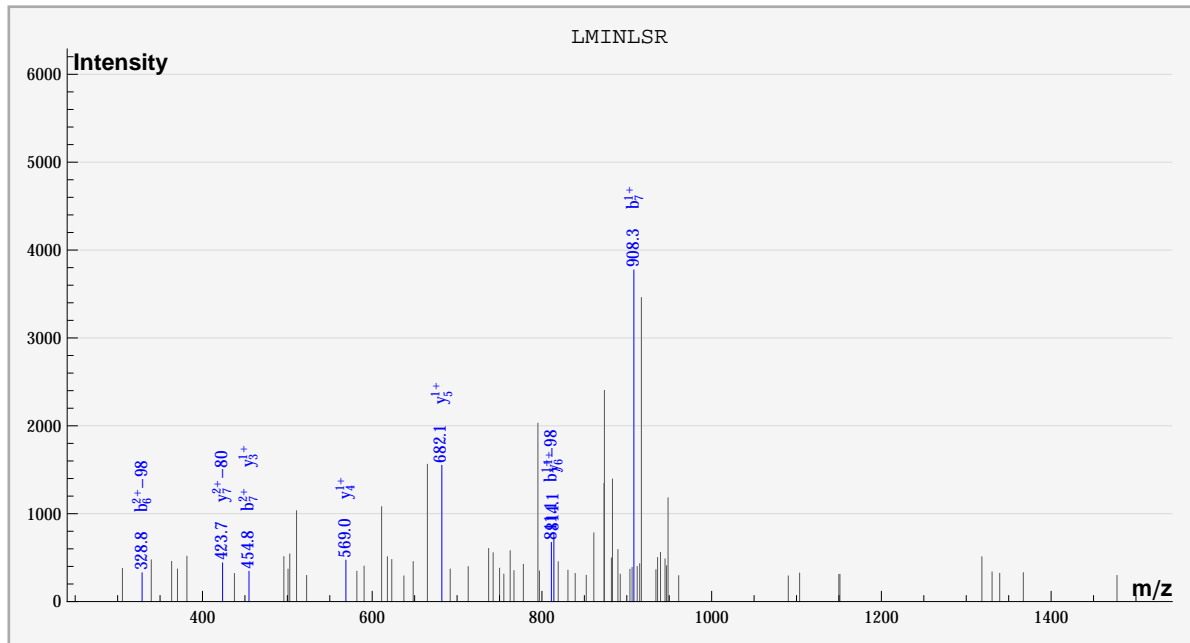


	#	b	b*	#	y	y*	P	P*
I	1							✓
R	2			6				
E	3			5	✓			
V	4			4	✓	✓		
I	5	✓		3	✓			
S	6			2				
K	7	✓	✓	1				

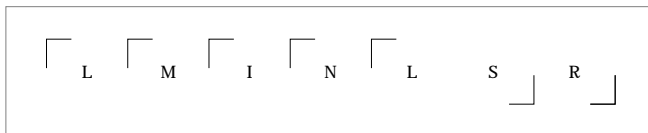


dbValid true LMINLSR PHOS(1) 1. 928. -1.54711 5.44044 100. ? 2226.

S\_Acido\_new%gi|68567696|gb|AAY80625.1| LMINLSR%:::PHOS::%sample\_2%compd\_918

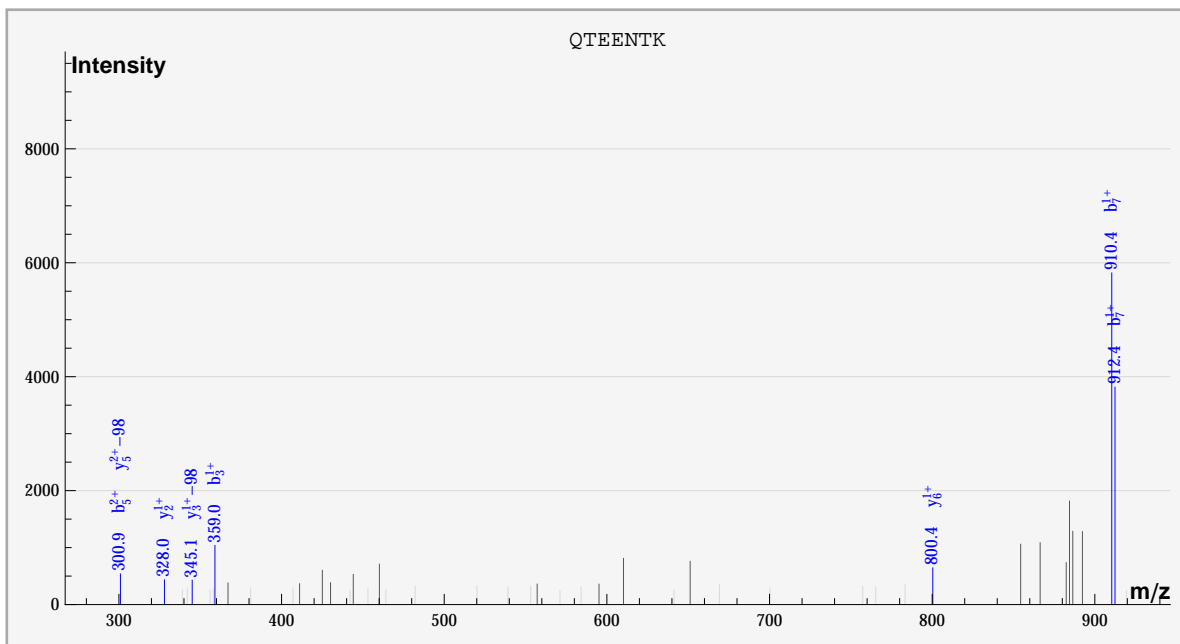


	#	b	b*	#	y	y*	P	P*
L	1							✓
M	2			6	✓			
I	3			5	✓			
N	4			4	✓			
L	5			3	✓			
S	6	✓	✓	2				
R	7	✓	✓	1				

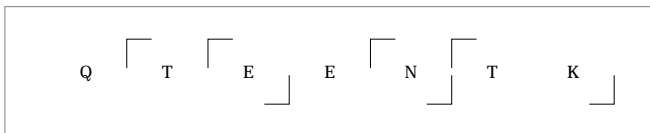


dbValid true QTEENTK PHOS(1) 1. 930. -0.638835 5.30536 100. ? 2268.

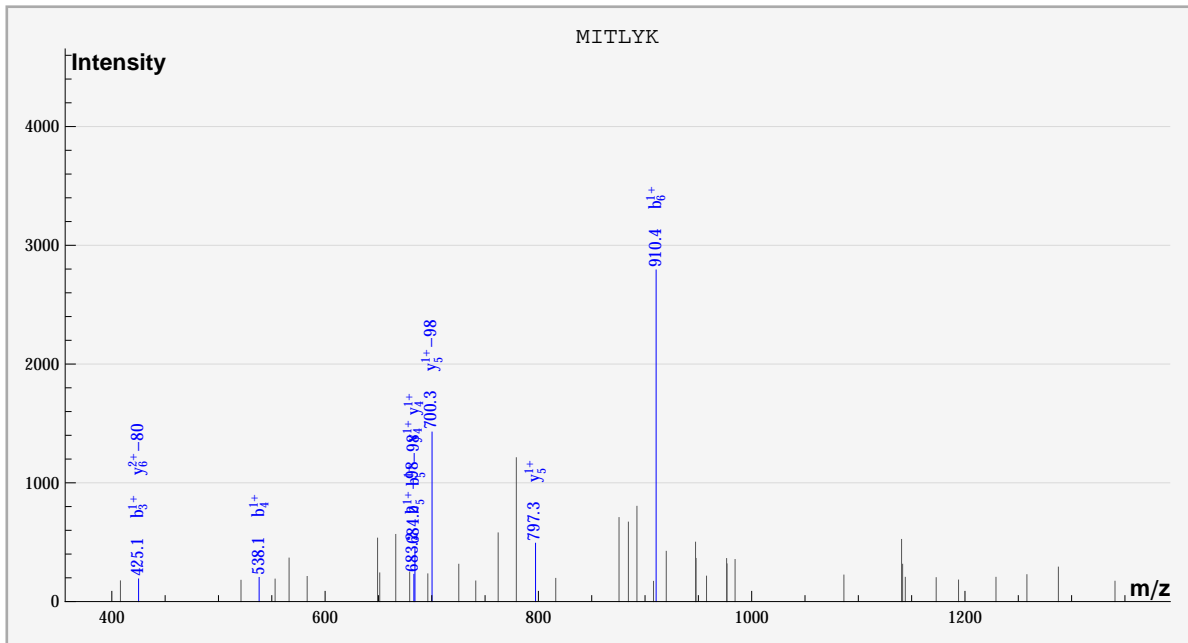
S\_Acido\_new%gi|68568484|gb|AAY81413.1| QTEENTK%:::PHOS:::sample\_1%compd\_871



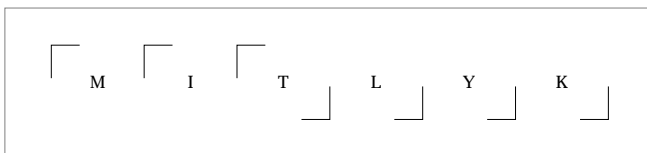
	#	b	b*	#	y	y*	P	P*
Q	1							
T	2			6	✓			
E	3	✓		5		✓		
E	4			4				
N	5	✓		3		✓		
T	6			2	✓			
K	7	✓		1				



dbValid true MITLYK PHOS(2) 1. 930. -1.63497 5.3907 100. ? 3654.  
 S\_Acido\_new%gi|68568410|gb|AAY81339.1| MITLYK%:::PHOS::PHOS::%sample\_1%compd\_2026

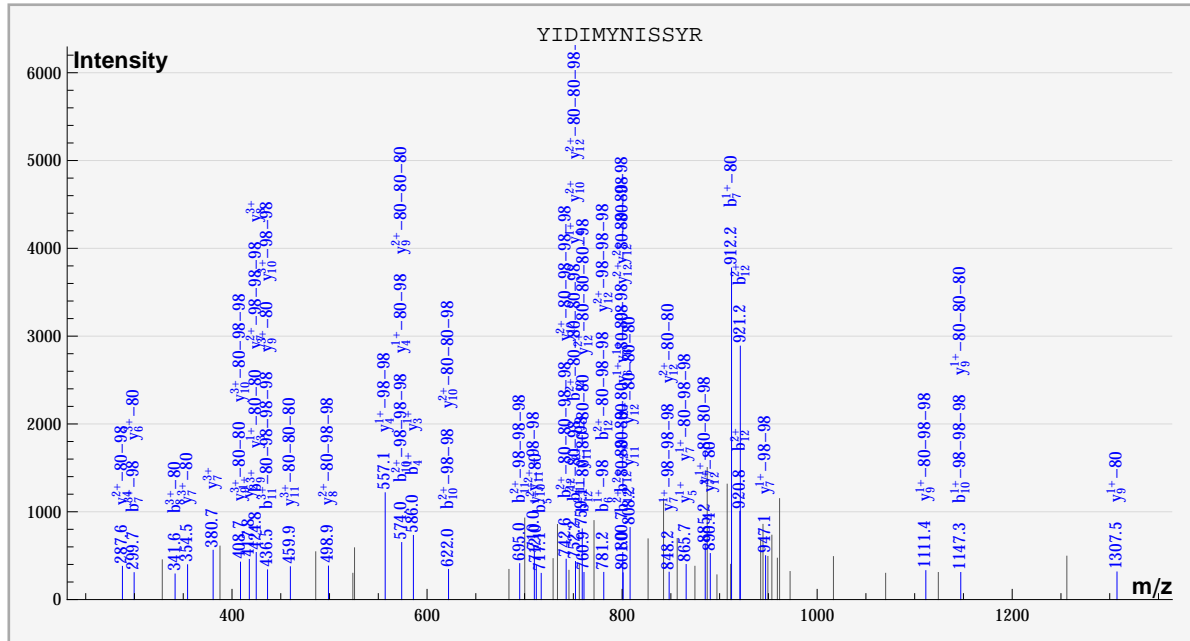


	#	b	b*	#	y	y*	P	P*
M	1							✓
I	2			5	✓	✓		
T	3	✓		4	✓			
L	4	✓		3				
Y	5		✓	2				
K	6	✓		1				



dbValid true YIDIMYNISSYR PHOS(4) 2. 931. -1.69598 5.0766 100. ? 2274.

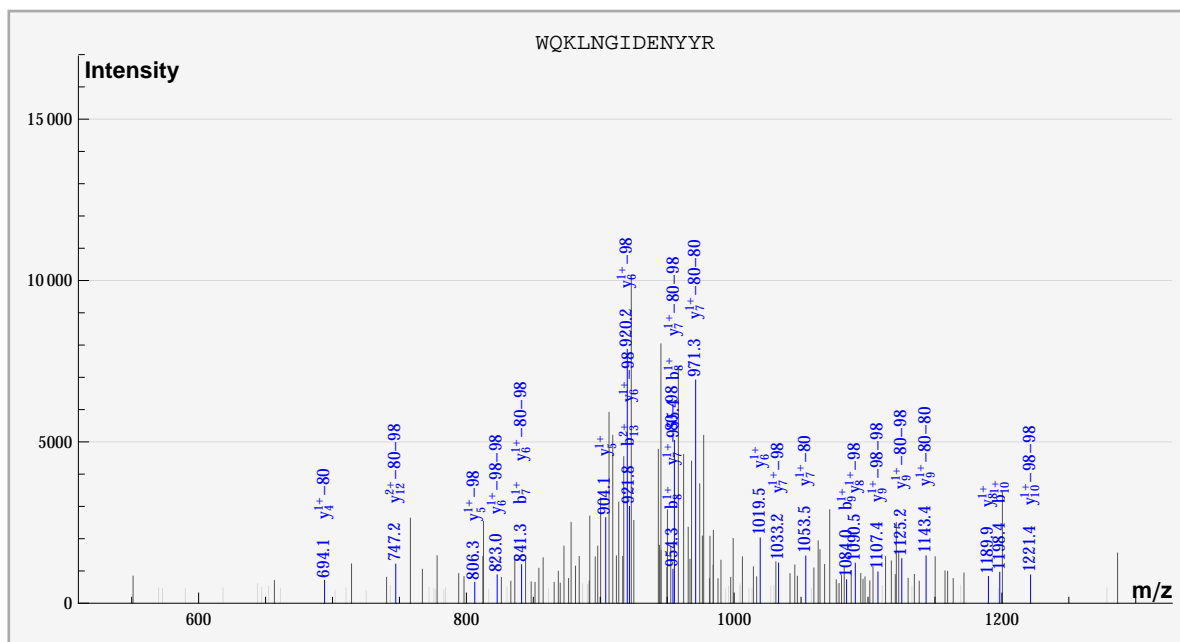
S\_Acido\_new%gi|68567406|gb|AAV80335.1| YIDIMYNISSYR%:PHOS:::PHOS:PHOS:PHOS::%sample\_0%cmpd\_954



	#	b	b*	#	y	y*	P	P*
Y	1							✓
I	2			11	✓	✓		
D	3			10	✓	✓		
I	4	✓		9		✓		
M	5	✓		8	✓	✓		
Y	6		✓	7	✓	✓		
N	7		✓	6		✓		
I	8		✓	5	✓			
S	9	✓		4	✓	✓		
S	10		✓	3	✓	✓		
Y	11	✓		2	✓			
R	12	✓	✓	1				

Y I D I M Y N I S S Y R

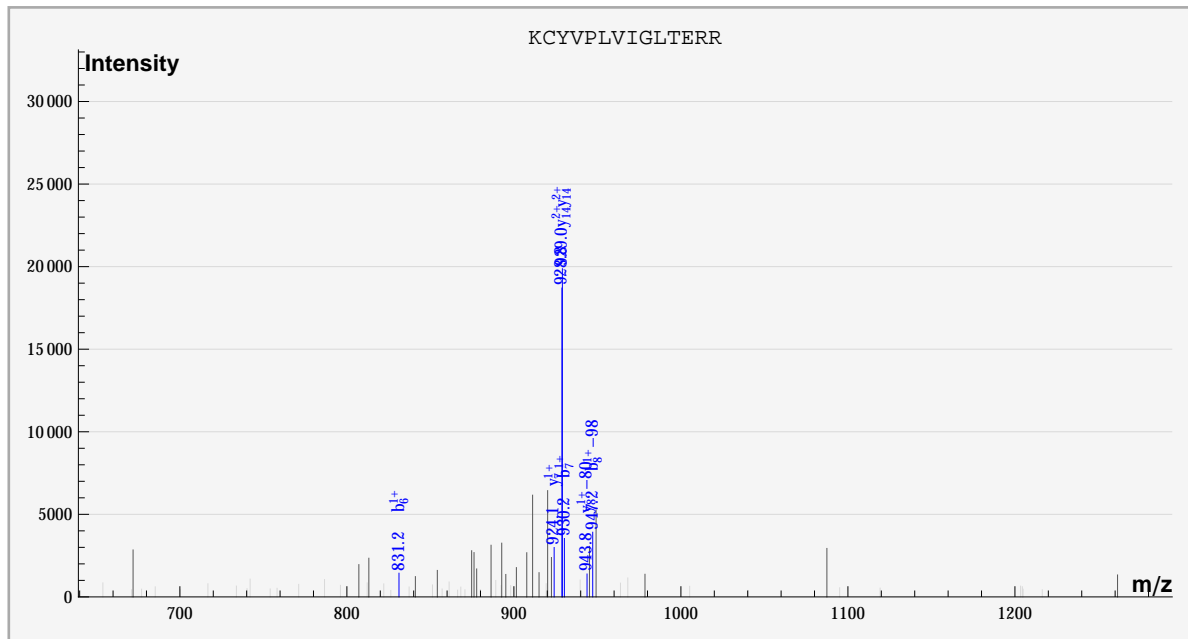
dbValid true WQKLNIGIDENYYR PHOS(2) 2. 931. -1.11834 5.57715 100. ? 3240.  
 S\_Acido\_new%gi|68566755|gb|AA79684.1| WQKLNIGIDENYYR%:.....PHOS:PHOS::%sample\_2%compd\_1845



	#	b	b*	#	y	y*	P	P*
W	1							
Q	2			12		✓		
K	3			11				
L	4			10		✓		
N	5			9		✓		
G	6			8	✓	✓		
I	7	✓		7		✓		
D	8	✓		6	✓	✓		
E	9	✓		5	✓	✓		
N	10	✓		4		✓		
Y	11			3				
Y	12			2				
R	13	✓		1				

W [ Q [ K [ L [ N [ G [ I [ D [ E [ N [ Y [ Y [ R [ ]

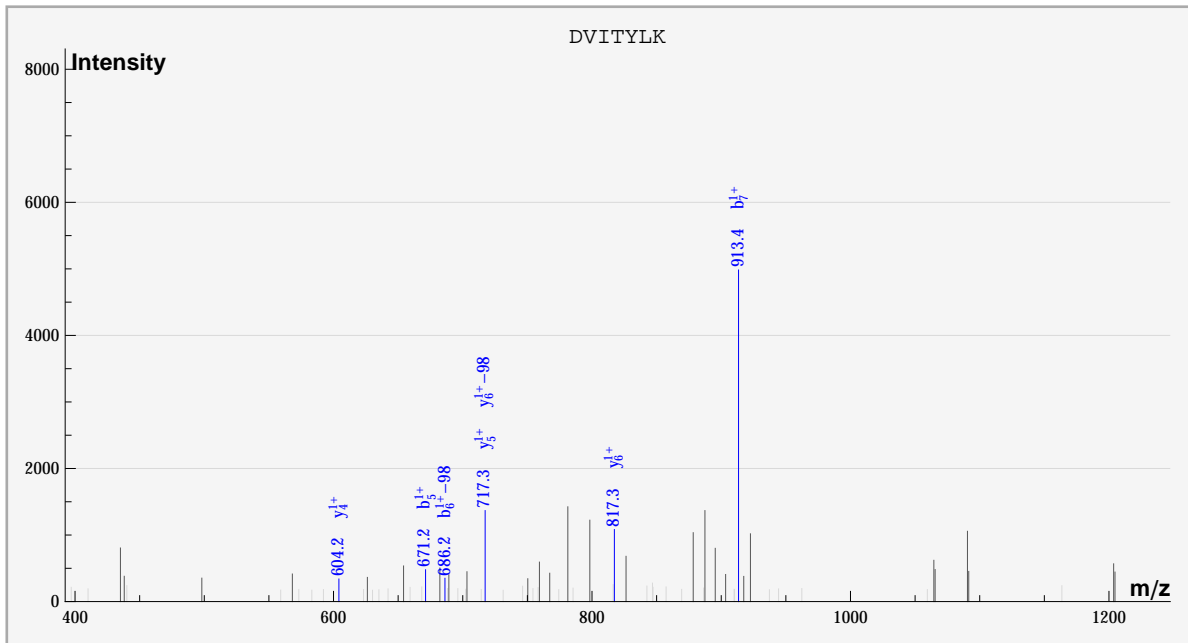
dbValid true KCVPLVIGLTERR Cys\_CAM(1),PHOS(2) 2. 933. -0.548808 5.05906 100. ? 2592.  
 S\_Acido\_new%gi|68566534|gb|AA79463.1| KCVPLVIGLTERR%::Cys\_CAM:PHOS:::PHOS:::%sample\_0%cmpd\_1246



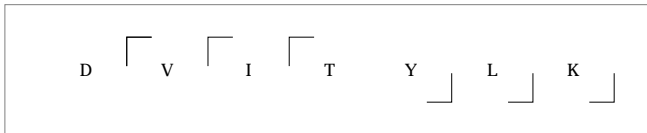
	#	b	b*	#	y	y*	P	P*
K	1							✓
C	2			13				
Y	3			12				
V	4			11				
P	5			10				
L	6	✓		9				
V	7	✓		8		✓		
I	8		✓	7	✓			
G	9			6				
L	10			5				
T	11			4				
E	12			3				
R	13			2				
R	14			1				

[K C Y V P L][V][I]G L T E R R

dbValid true DVITYLK PHOS(1) 1. 933. -1.54641 5.16634 100. ? 3036.  
 S\_Acido\_new%gi|68568663|gb|AAY81592.1| DVITYLK%:::PHOS:::%sample\_1%compd\_1510

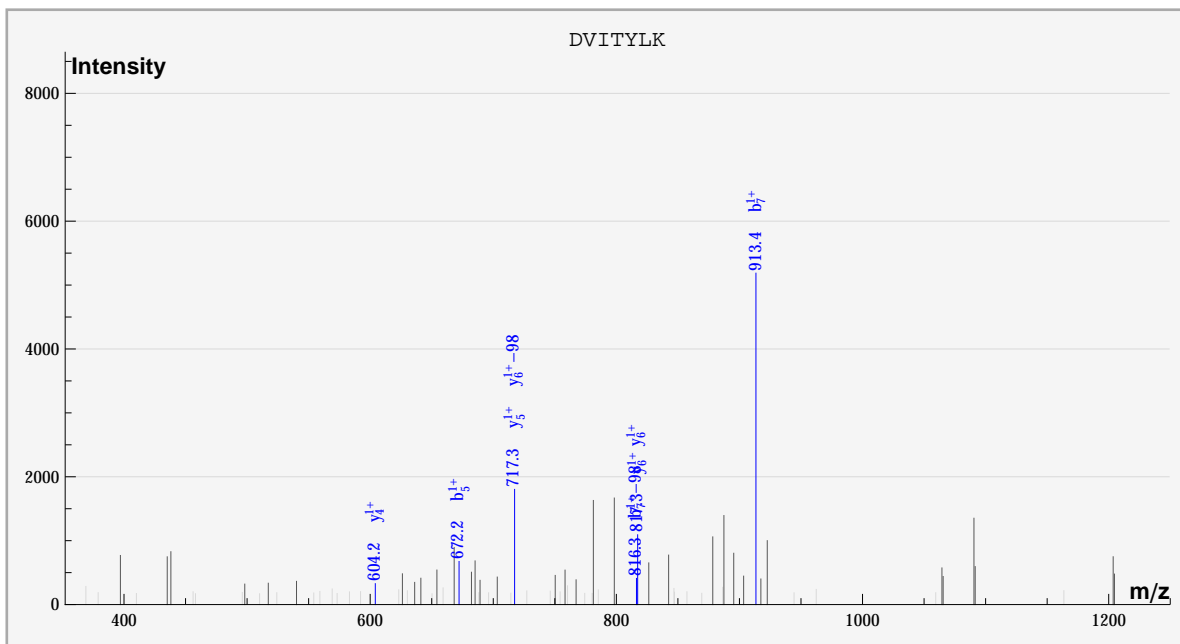


	#	b	b*	#	y	y*	P	P*
D	1							
V	2			6	✓	✓		
I	3			5	✓			
T	4			4	✓			
Y	5	✓		3				
L	6		✓	2				
K	7	✓		1				

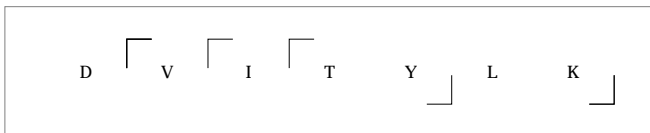




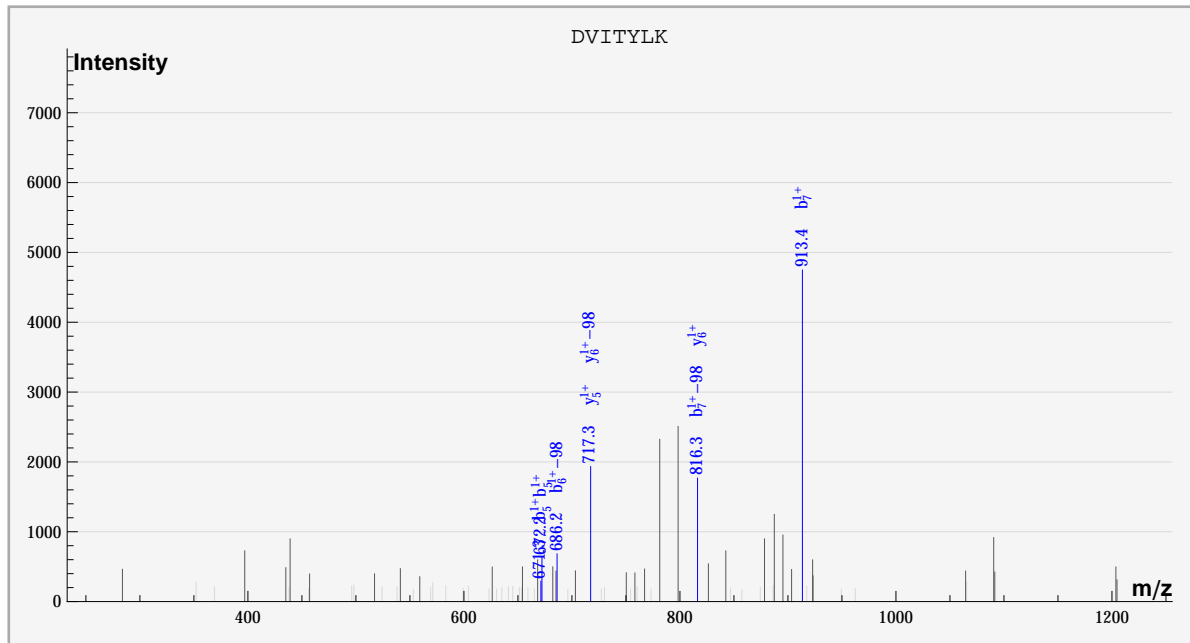
dbValid true DVITYLK PHOS(1) 1. 933. -1.54641 5.26066 100. ? 3048.  
 S\_Acido\_new%gi|68568663|gb|AAY81592.1| DVITYLK%:::PHOS:::%sample\_1%compd\_1520



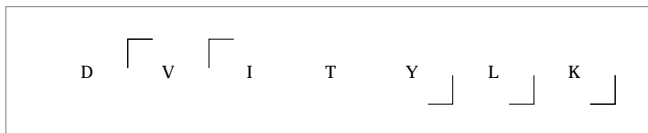
	#	b	b*	#	y	y*	P	P*
D	1							
V	2			6	✓	✓		
I	3			5	✓			
T	4			4	✓			
Y	5	✓		3				
L	6			2				
K	7	✓	✓	1				



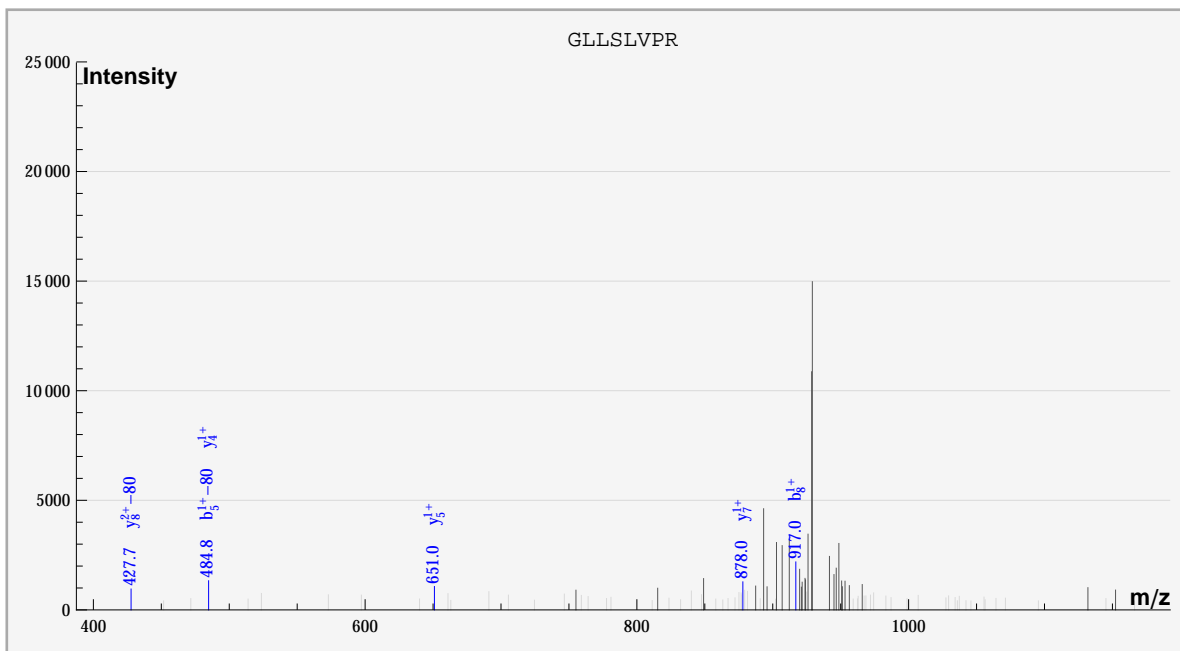
dbValid true DVITYLK PHOS(1) 1. 933. -1.54641 5.86855 100. ? 3108.  
 S\_Acido\_new%gi|68568663|gb|AAY81592.1| DVITYLK%:::PHOS:::%sample\_1%compd\_1572



	#	b	b*	#	y	y*	P	P*
D	1							
V	2			6	✓	✓		
I	3			5	✓			
T	4			4				
Y	5	✓		3				
L	6		✓	2				
K	7	✓	✓	1				



dbValid true GLLSLVPR PHOS(1) 1. 933. 1.51211 5.4608 100. ? 3120.  
 S\_Acido\_new%gi|68567761|gb|AA80690.1| GLLSLVPR%:::PHOS:::%sample\_0%compd\_1745

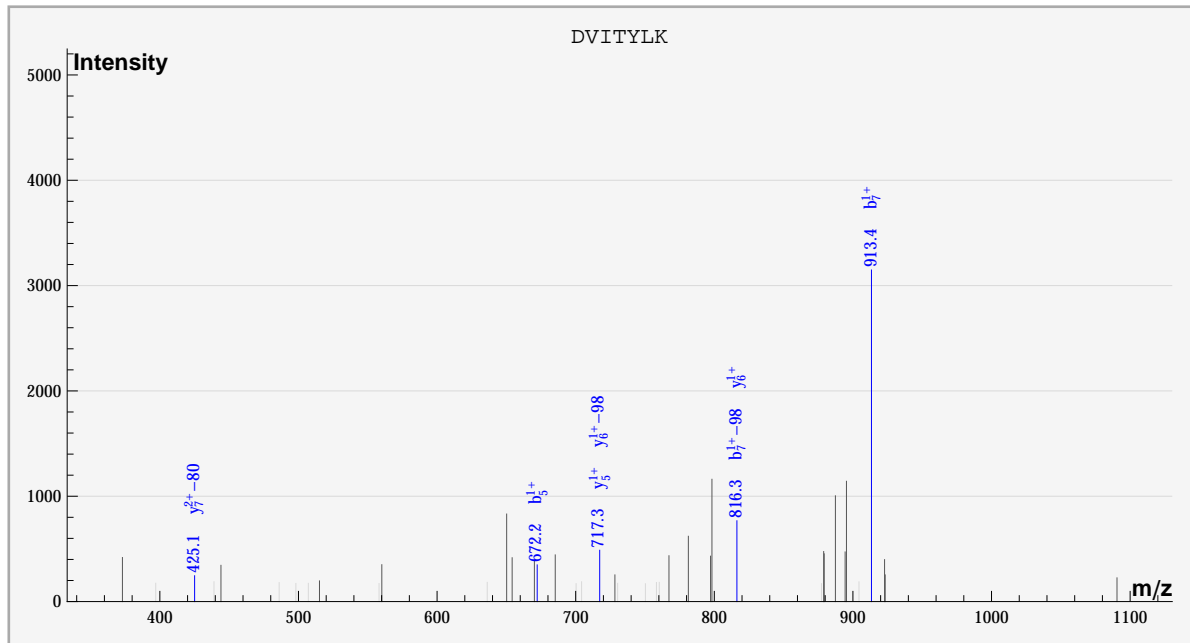


	#	b	b*	#	y	y*	P	P*
G	1							✓
L	2			7	✓			
L	3			6				
S	4			5	✓			
L	5	✓		4	✓			
V	6			3				
P	7			2				
R	8	✓		1				

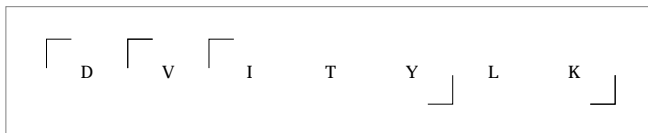


dbValid true DVITYLK PHOS(1) 1. 933. -1.54641 5.2415 100. ? 3324.

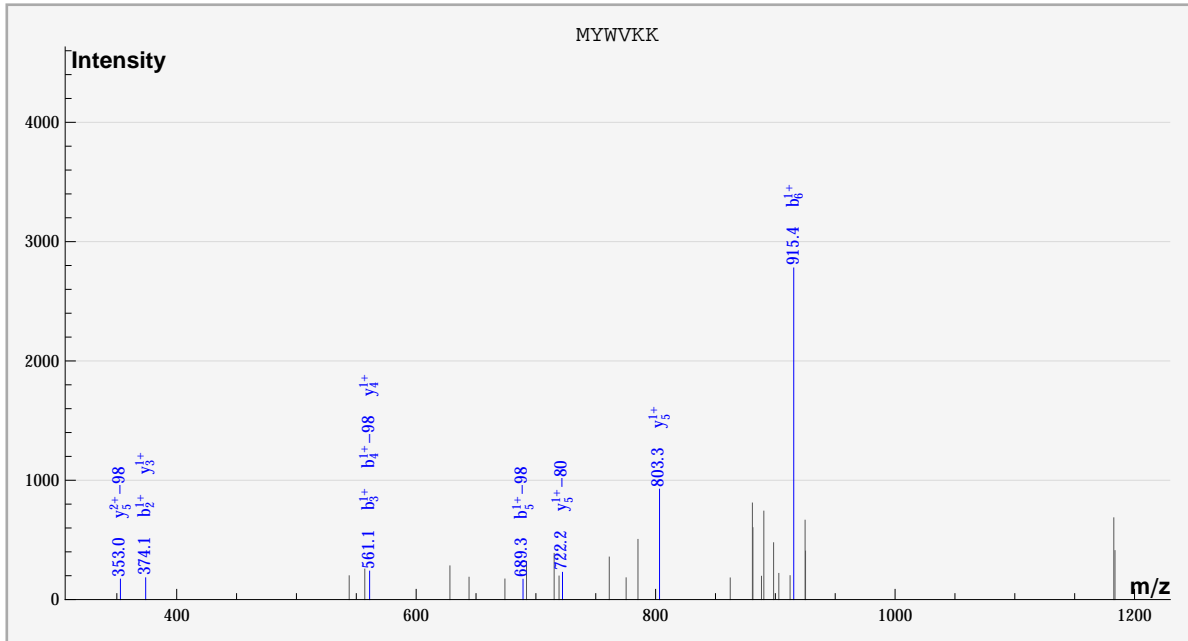
S\_Acido\_new%gi|68568663|gb|AAY81592.1| DVITYLK%::::PHOS::::%sample\_1%compd\_1755



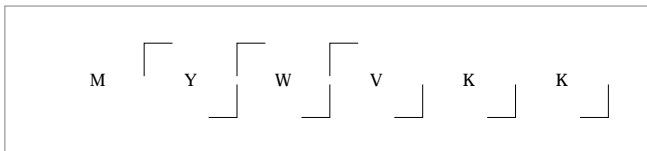
	#	b	b*	#	y	y*	P	P*
D	1							✓
V	2			6	✓	✓		
I	3			5	✓			
T	4			4				
Y	5	✓		3				
L	6			2				
K	7	✓	✓	1				



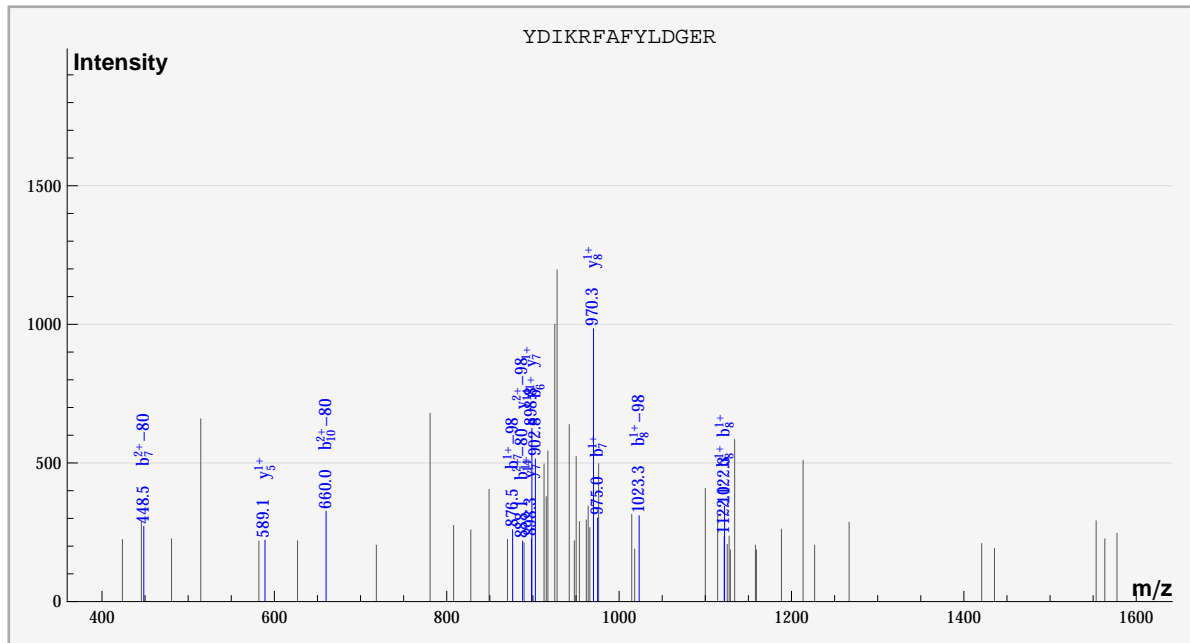
dbValid true MYWVKK PHOS(1) 1. 935. -0.574385 5.16614 100. ? 3288.  
 S\_Acido\_new%gi|68567012|gb|AA79941.1| MYWVKK%::PHOS::::%sample\_1%compd\_1726



	#	b	b*	#	y	y*	P	P*
M	1							
Y	2	✓		5	✓	✓		
W	3	✓		4	✓			
V	4		✓	3	✓			
K	5		✓	2				
K	6	✓		1				



dbValid true YDIKRFAFYLDGER PHOS(1) 2. 935. 1.93763 5.05506 100. ? 4218.  
 S\_Acido\_new%gi|68567831|gb|AA80760.1| YDIKRFAFYLDGER%:PHOS:::sample\_0%cmpd\_2747

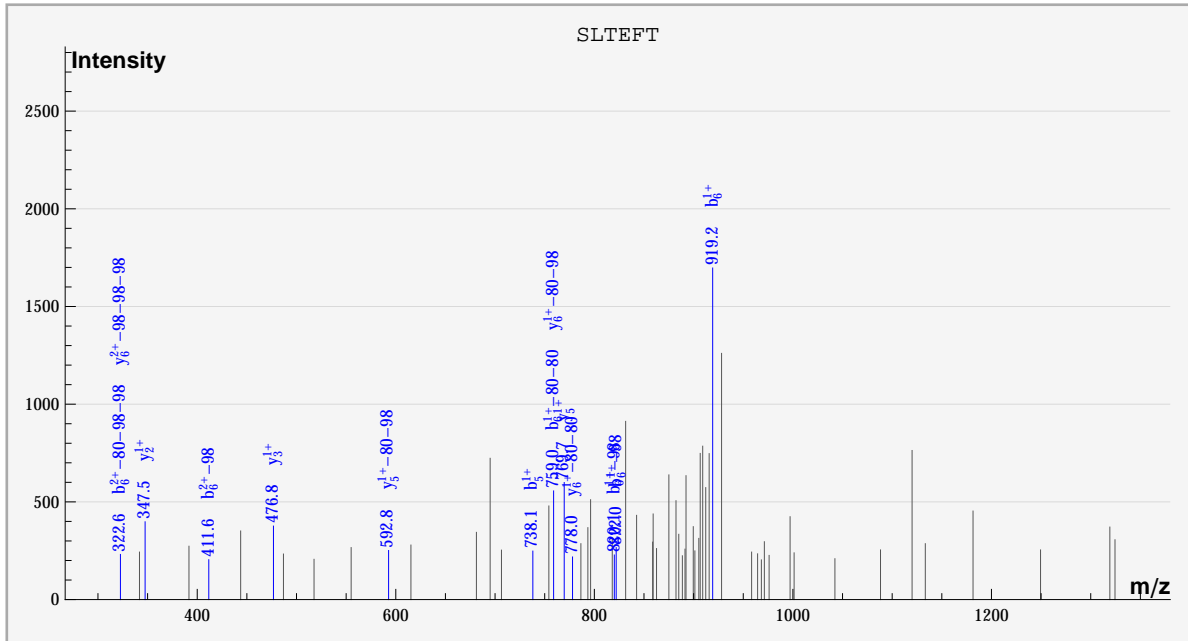


	#	b	b*	#	y	y*	P	P*
Y	1							✓
D	2			13				
I	3			12				
K	4			11				
R	5			10				
F	6	✓		9				
A	7	✓	✓	8	✓			
F	8	✓	✓	7	✓			
Y	9			6				
L	10		✓	5	✓			
D	11			4				
G	12			3				
E	13			2				
R	14		✓	1				

「 Y D I K R F 」 「 A 」 「 F 」 Y 「 L 」 D G E R 」

dbValid true SLTEFT PHOS(3) 1. 938. -0.760795 5.14542 100. ? 1878.

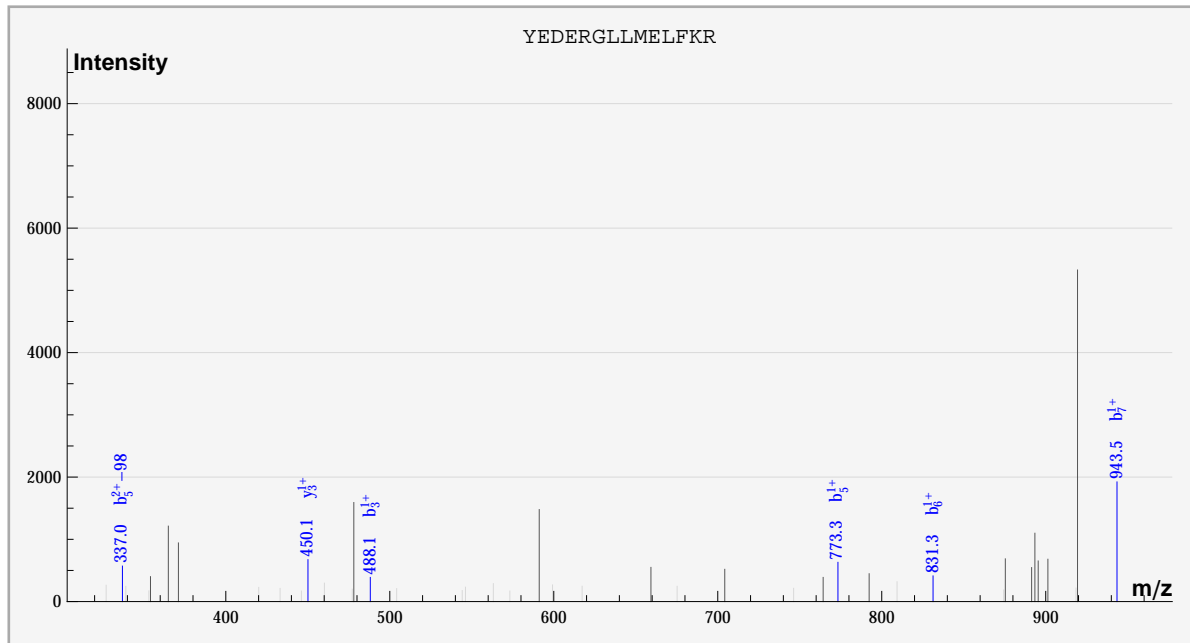
S\_Acido\_new%gi|68566616|gb|AAY79545.1| SLTEFT%:PHOS::PHOS::PHOS:%sample\_0%compd\_595



	#	b	b*	#	y	y*	P	P*
S	1							✓
L	2			5	✓	✓		
T	3			4				
E	4			3	✓			
F	5	✓		2	✓			
T	6	✓	✓	1				



dbValid true YEDERGLLMELFKR PHOS(1) 2. 939. 0.944597 5.21697 100. ? 1812.  
 S\_Acido\_new%gi|68568083|gb|AAy81012.1| YEDERGLLMELFKR%:PHOS:::sample\_1%compd\_496

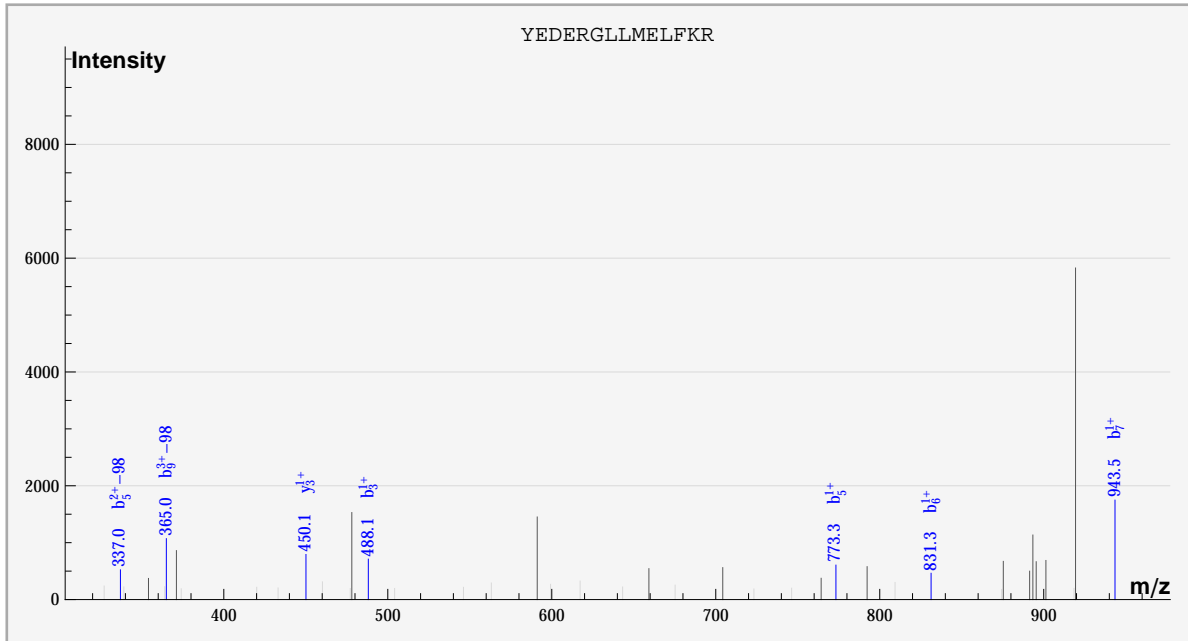


	#	b	b*	#	y	y*	P	P*
Y	1							
E	2			13				
D	3	✓		12				
E	4			11				
R	5	✓	✓	10				
G	6	✓		9				
L	7	✓		8				
L	8			7				
M	9			6				
E	10			5				
L	11			4				
F	12			3	✓			
K	13			2				
R	14			1				

Y E D E R G L L M E L F K R



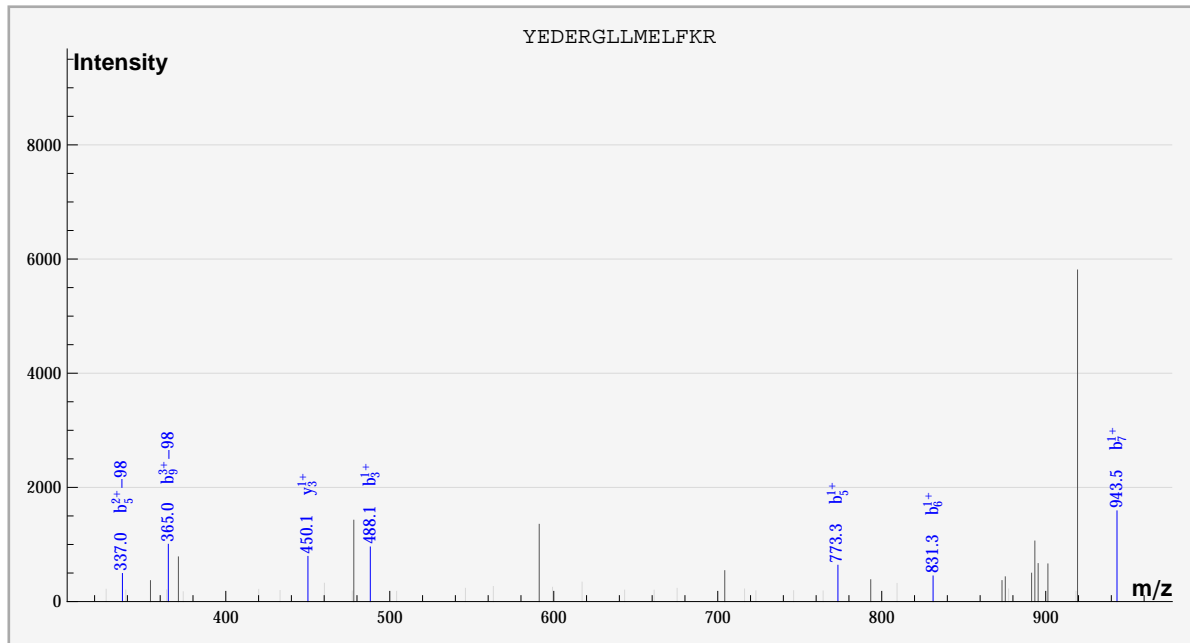
dbValid true YEDERGLLMELFKR PHOS(1) 2. 939. 0.944597 5.44779 100. ? 1824.  
 S\_Acido\_new%gi|68568083|gb|AA81012.1| YEDERGLLMELFKR%PHOS:::::::::::::sample\_1%compd\_506



	#	b	b*	#	y	y*	P	P*
Y	1							
E	2			13				
D	3	✓		12				
E	4			11				
R	5	✓	✓	10				
G	6	✓		9				
L	7	✓		8				
L	8			7				
M	9		✓	6				
E	10			5				
L	11			4				
F	12			3	✓			
K	13			2				
R	14			1				

Y E D E R G L L M E L F K R

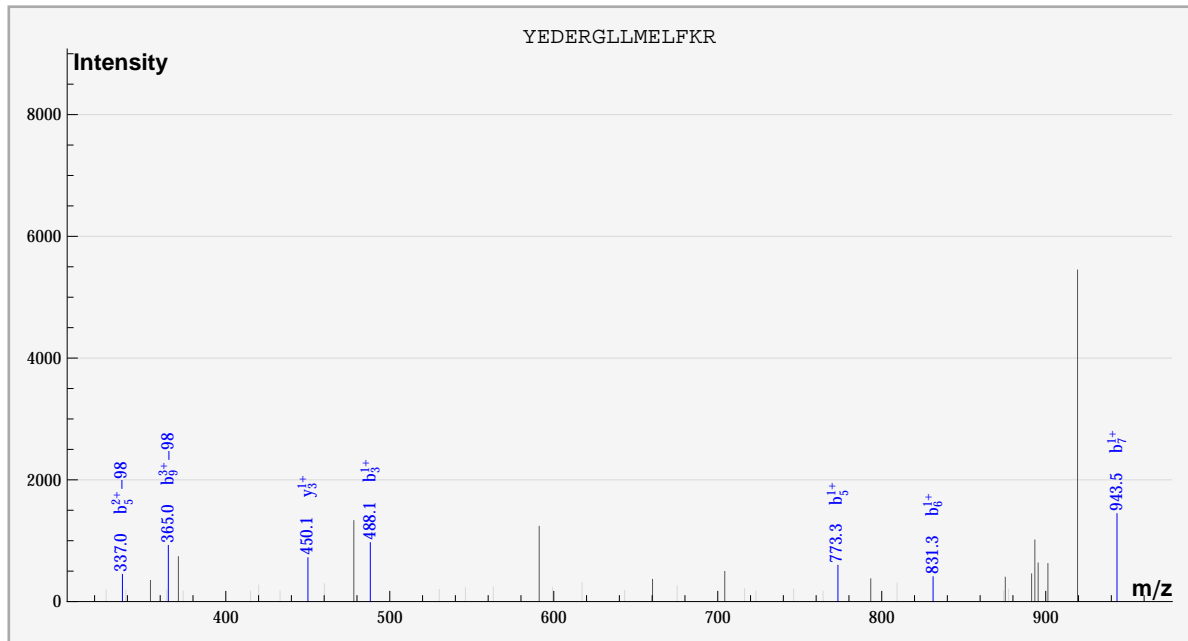
dbValid true YEDERGLLMELFKR PHOS(1) 2. 939. 0.944597 5.52356 100. ? 1836.  
 S\_Acido\_new%gi|68568083|gb|AAy81012.1| YEDERGLLMELFKR%:PHOS:::sample\_1%compd\_516



	#	b	b*	#	y	y*	P	P*
Y	1							
E	2			13				
D	3	✓		12				
E	4			11				
R	5	✓	✓	10				
G	6	✓		9				
L	7	✓		8				
L	8			7				
M	9		✓	6				
E	10			5				
L	11			4				
F	12			3	✓			
K	13			2				
R	14			1				

Y E D E R G L L M E L F K R

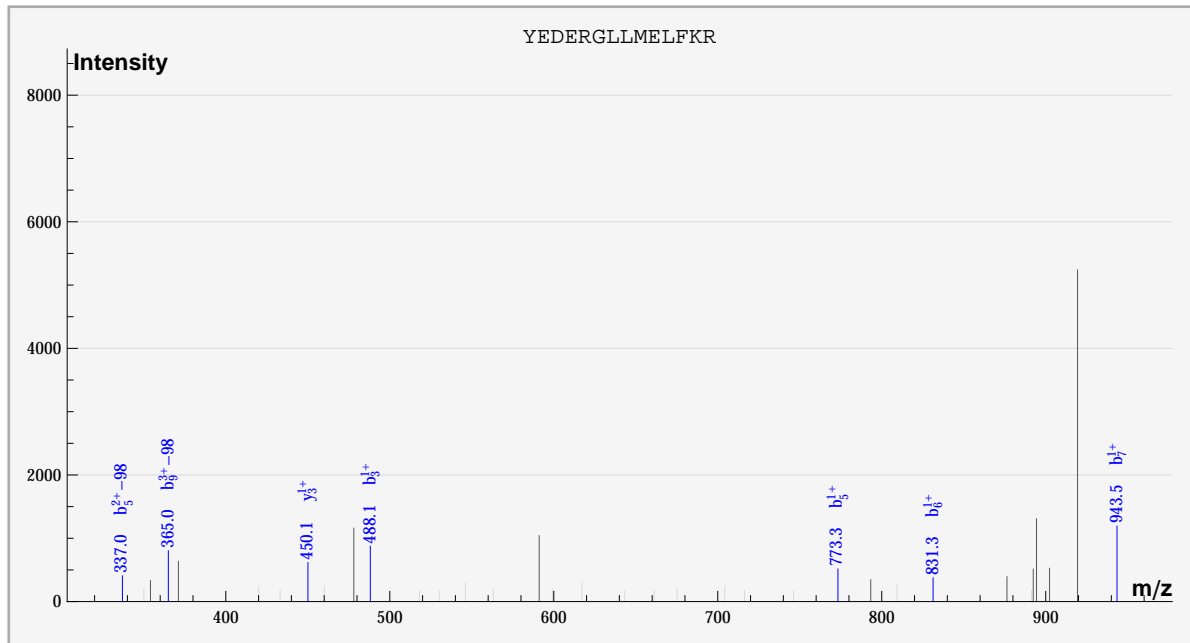
dbValid true YEDERGLLMELFKR PHOS(1) 2. 939. 0.944597 5.07775 100. ? 1848.  
 S\_Acido\_new%gi|68568083|gb|AAY81012.1| YEDERGLLMELFKR%:PHOS:::sample\_1%compd\_526



	#	b	b*	#	y	y*	P	P*
Y	1							
E	2			13				
D	3	✓		12				
E	4			11				
R	5	✓	✓	10				
G	6	✓		9				
L	7	✓		8				
L	8			7				
M	9		✓	6				
E	10			5				
L	11			4				
F	12			3	✓			
K	13			2				
R	14			1				

Y E D E R G L L M E L F K R

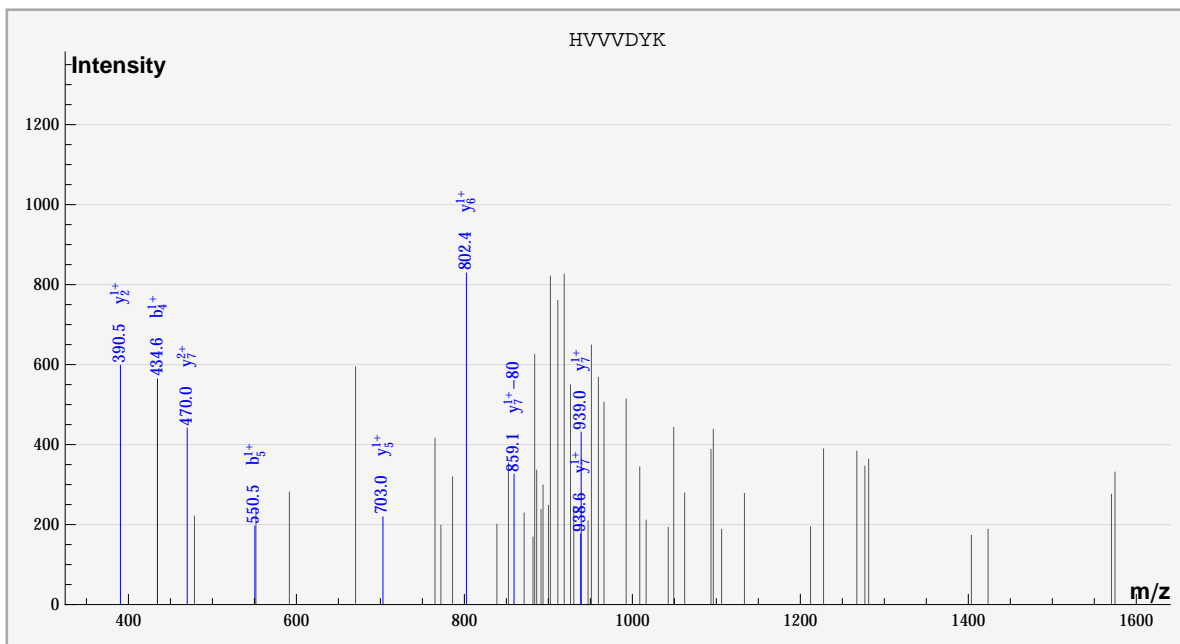
dbValid true YEDERGLLMELFKR PHOS(1) 2. 939. 0.944597 5.16521 100. ? 1872.  
 S\_Acido\_new%gi|68568083|gb|AAY81012.1| YEDERGLLMELFKR%:PHOS:::sample\_1%compd\_546



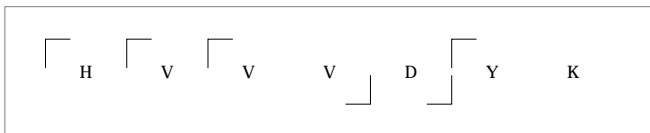
	#	b	b*	#	y	y*	P	P*
Y	1							
E	2			13				
D	3	✓		12				
E	4			11				
R	5	✓	✓	10				
G	6	✓		9				
L	7	✓		8				
L	8			7				
M	9		✓	6				
E	10			5				
L	11			4				
F	12			3	✓			
K	13			2				
R	14			1				

Y E D E R G L L M E L F K R

dbValid true HVVVDYK PHOS(1) 1. 939. 0.433525 5.73553 100. ? 4896.  
 S\_Acido\_new%gi|68567239|gb|AAY80168.1| HVVVDYK%:::::PHOS::%sample\_0%compd\_3375

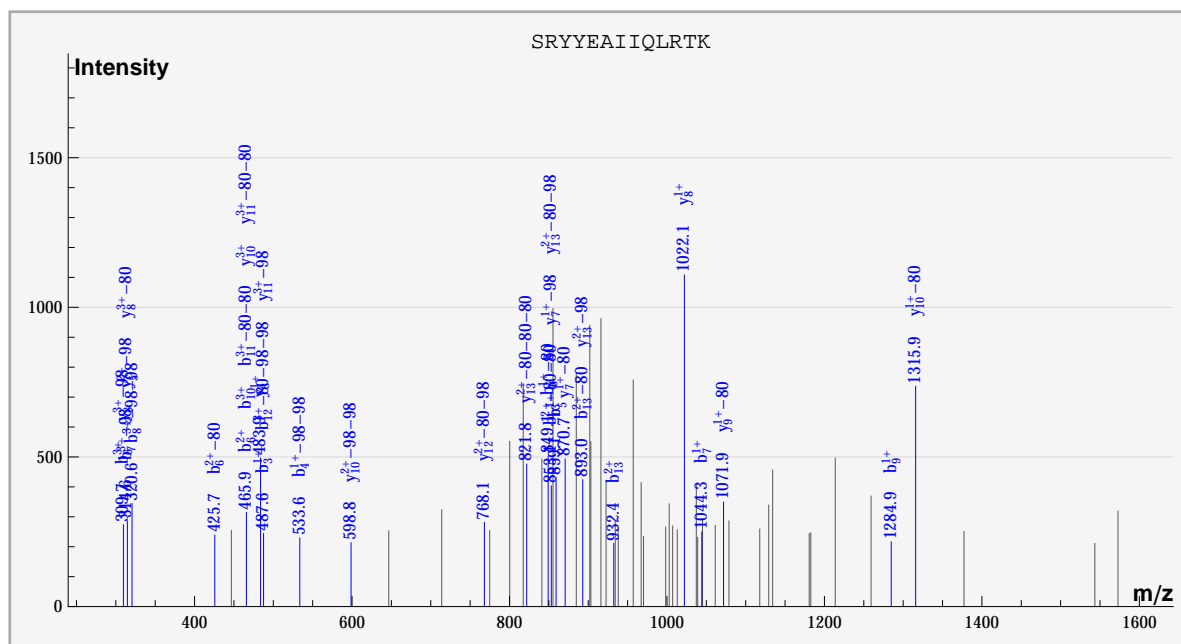


	#	b	b*	#	y	y*	P	P*
H	1						✓	✓
V	2			6	✓			
V	3			5	✓			
V	4	✓		4				
D	5	✓		3				
Y	6			2	✓			
K	7			1				



dbValid true SRYYEAIQLRTK PHOS(3) 2. 939. 1.90902 5.09894 100. ? 5202.

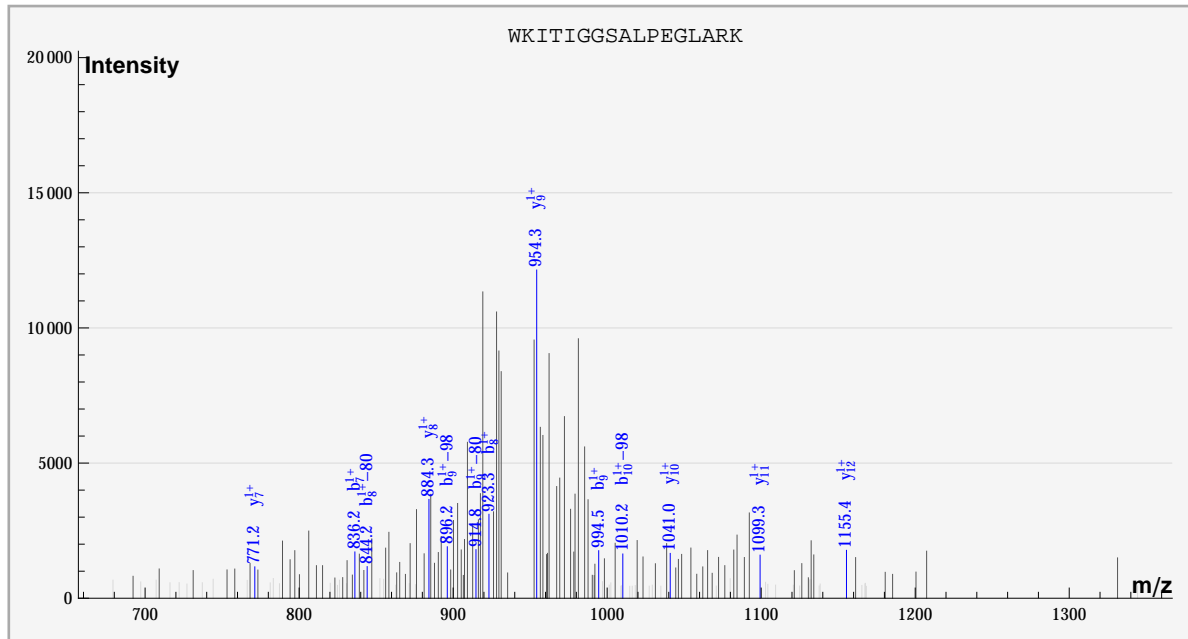
S\_Acido\_new%gi|68567392|gb|AA80321.1| SRYYEAIQLRTK%:PHOS::PHOS:::PHOS::%sample\_0%compd\_3652



	#	b	b*	#	y	y*	P	P*
S	1							✓
R	2			12		✓		
Y	3	✓		11		✓		
Y	4		✓	10	✓	✓		
E	5	✓		9		✓		
A	6	✓	✓	8	✓	✓		
I	7	✓	✓	7		✓		
I	8		✓	6				
Q	9	✓		5		✓		
L	10	✓		4				
R	11		✓	3	✓			
T	12		✓	2				
K	13	✓	✓	1				

[ S ] [ R ] [ Y ] [ Y ] [ E ] [ A ] [ I ] [ I ] [ Q ] [ L ] [ R ] [ T ] [ K ]

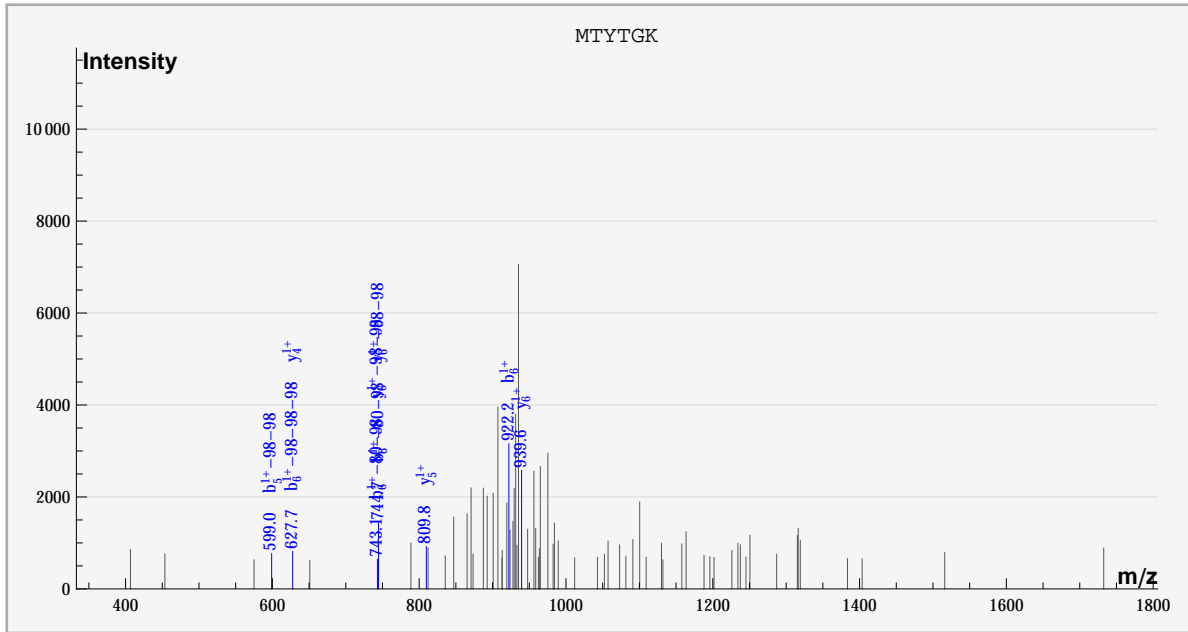
dbValid true WKITIGGSALPEGLARK PHOS(1) 2. 941. -1.99416 5.26404 100. ? 2628.  
 S\_Acido\_new%gil68567545|gb|AAy80474.1| WKITIGGSALPEGLARK%:::PHOS:::sample\_2%compd\_1360



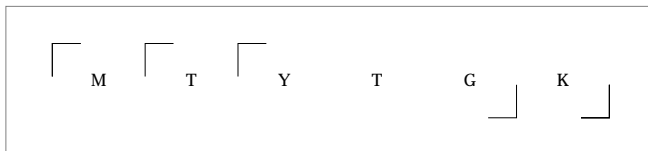
	#	b	b*	#	y	y*	P	P*
W	1							
K	2			16				
I	3			15				
T	4			14				
I	5			13				
G	6			12		✓		
G	7	✓		11		✓		
S	8	✓	✓	10		✓		
A	9	✓	✓	9		✓		
L	10		✓	8		✓		
P	11			7		✓		
E	12			6				
G	13			5				
L	14			4				
A	15			3				
R	16			2				
K	17			1				

W K I T I [G [G] S [A] [L] P E G L A R K

dbValid true MTYTGK PHOS(3) 1. 941.88 -1.64765 5.2145 100. ? 4368.  
 S\_Acido\_new%gi|68568628|gb|AA81557.1| MTYTGK::PHOS:PHOS:PHOS::%sample\_1%compd\_3147

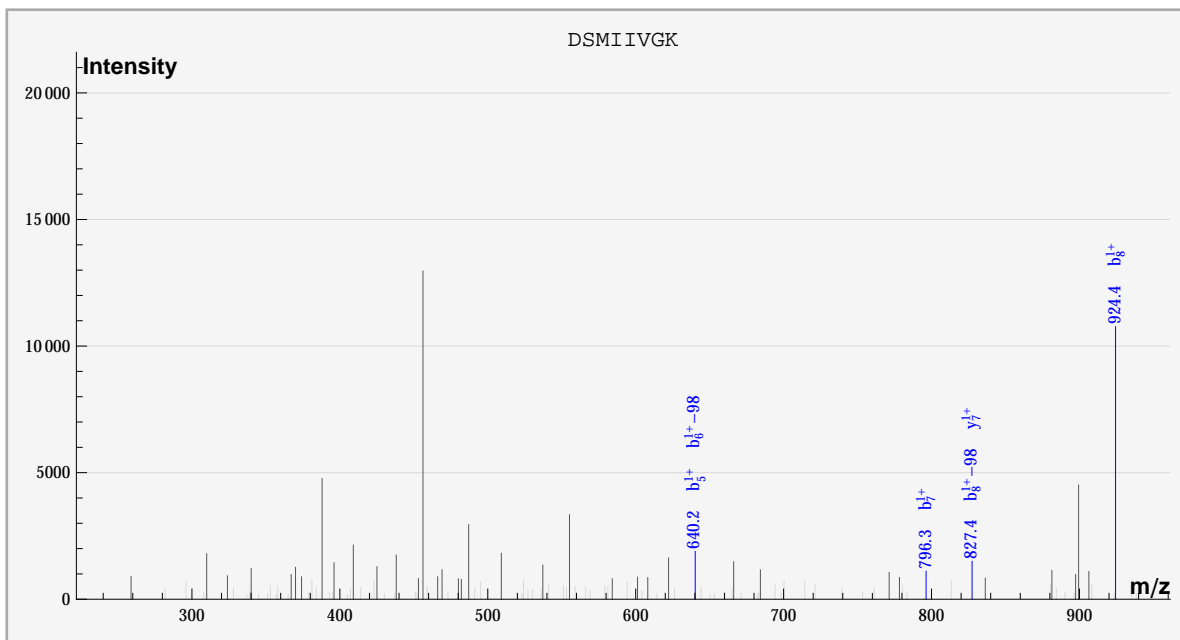


	#	b	b*	#	y	y*	P	P*
M	1						✓	✓
T	2			5	✓			
Y	3			4	✓			
T	4			3				
G	5	✓	✓	2				
K	6	✓	✓	1				

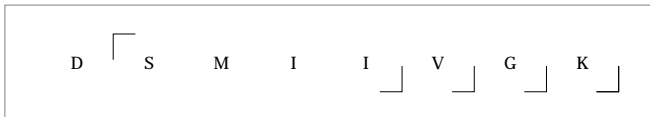




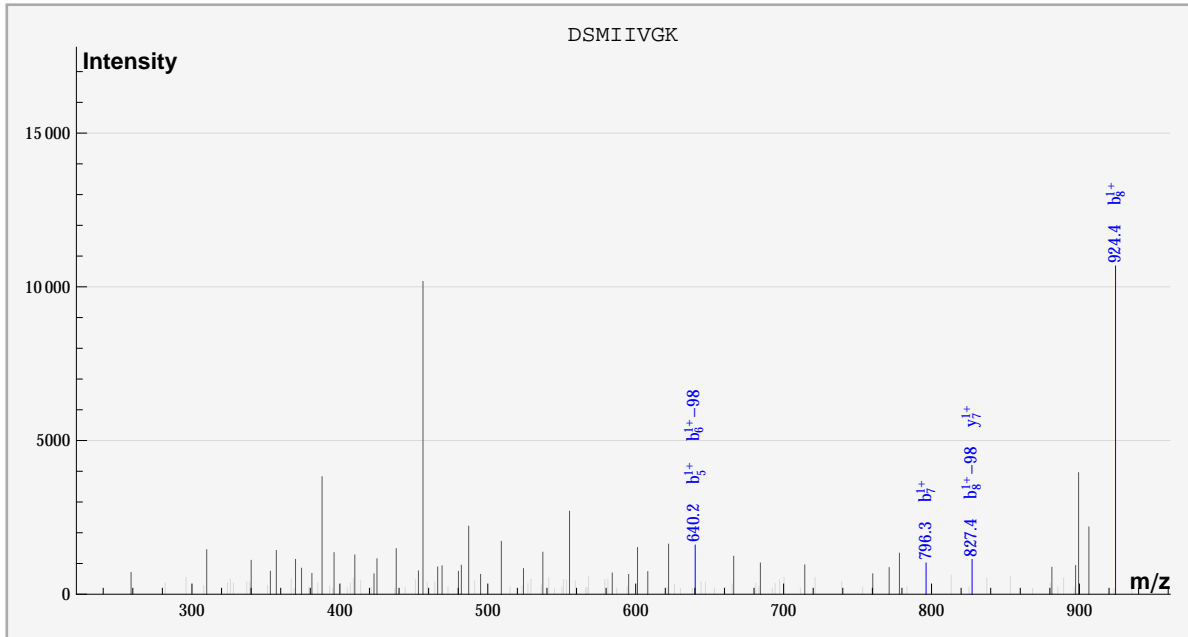
dbValid true DSMIIVGK PHOS(1) 1. 944. -1.56344 5.18761 100. ? 2058.  
 S\_Acido\_new%gi|68566881|gb|AAY79810.1| DSMIIVGK%::PHOS:.....%sample\_2%cmpd\_693



	#	b	b*	#	y	y*	P	P*
D	1							
S	2			7	✓			
M	3			6				
I	4			5				
I	5	✓		4				
V	6		✓	3				
G	7	✓		2				
K	8	✓	✓	1				



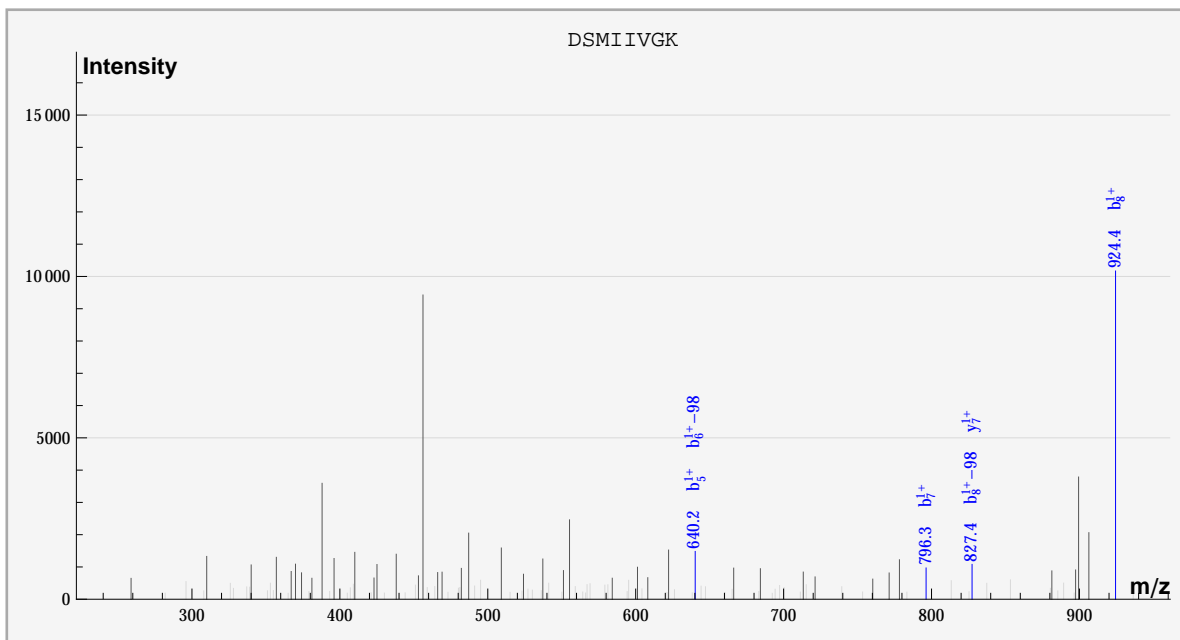
dbValid true DSMIIVGK PHOS(1) 1. 944. -1.56344 5.10253 100. ? 2094.  
 S\_Acido\_new%gi|68566881|gb|AAY79810.1| DSMIIVGK%::PHOS:.....%sample\_2%cmpd\_723



	#	b	b*	#	y	y*	P	P*
D	1							
S	2			7	✓			
M	3			6				
I	4			5				
I	5	✓		4				
V	6		✓	3				
G	7	✓		2				
K	8	✓	✓	1				



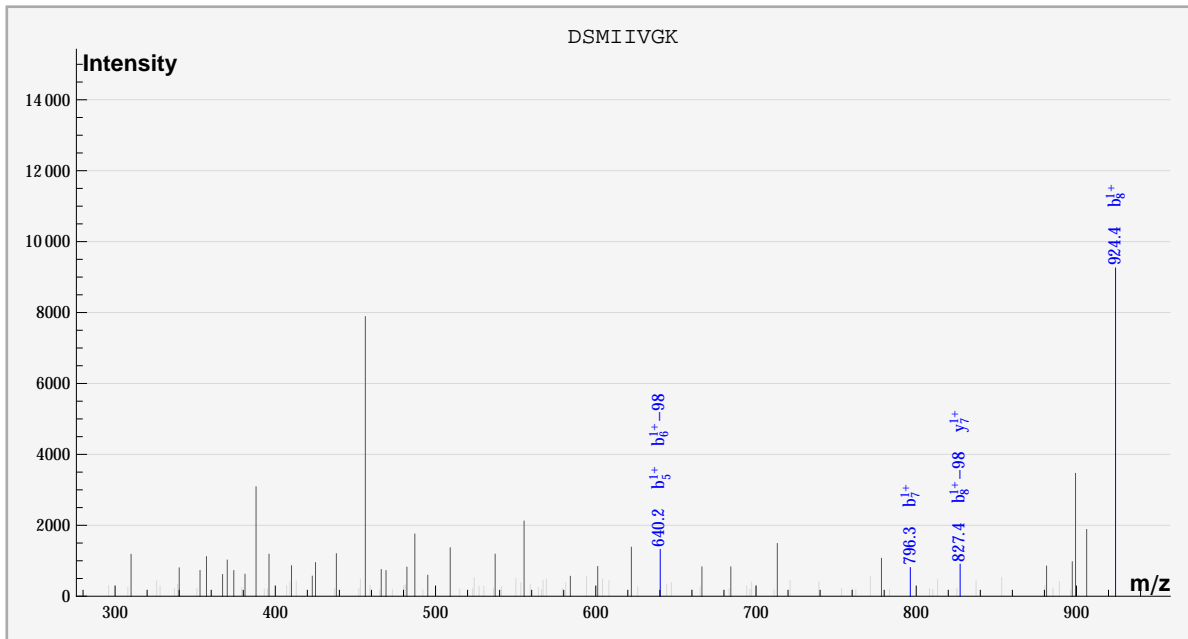
dbValid true DSMIIVGK PHOS(1) 1. 944. -1.56344 5.2809 100. ? 2106.  
 S\_Acido\_new%gi|68566881|gb|AAY79810.1| DSMIIVGK%::PHOS:::sample\_2%cmpd\_734



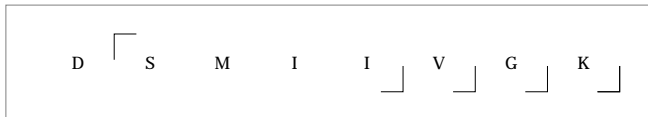
	#	b	b*	#	y	y*	P	P*
D	1							
S	2			7	✓			
M	3			6				
I	4			5				
I	5	✓		4				
V	6		✓	3				
G	7	✓		2				
K	8	✓	✓	1				



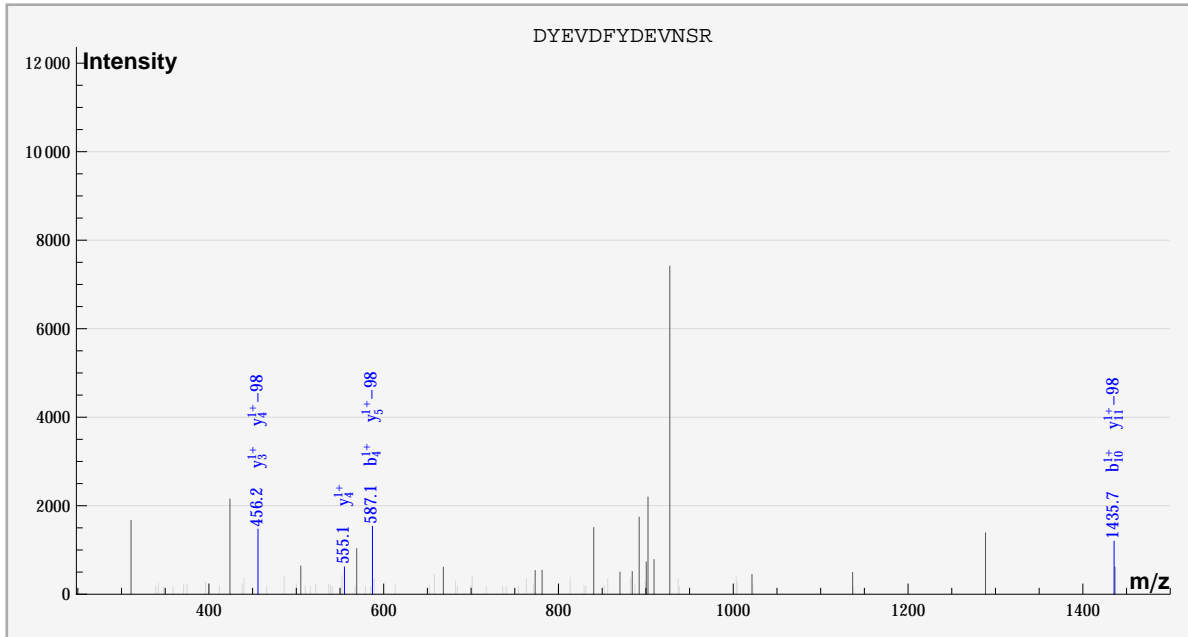
dbValid true DSMIIVGK PHOS(1) 1. 944. -1.56344 5.31753 100. ? 2130.  
 S\_Acido\_new%gi|68566881|gb|AAY79810.1| DSMIIVGK%::PHOS:::sample\_2%compd\_755



	#	b	b*	#	y	y*	P	P*
D	1							
S	2			7	✓			
M	3			6				
I	4			5				
I	5	✓		4				
V	6		✓	3				
G	7	✓		2				
K	8	✓	✓	1				



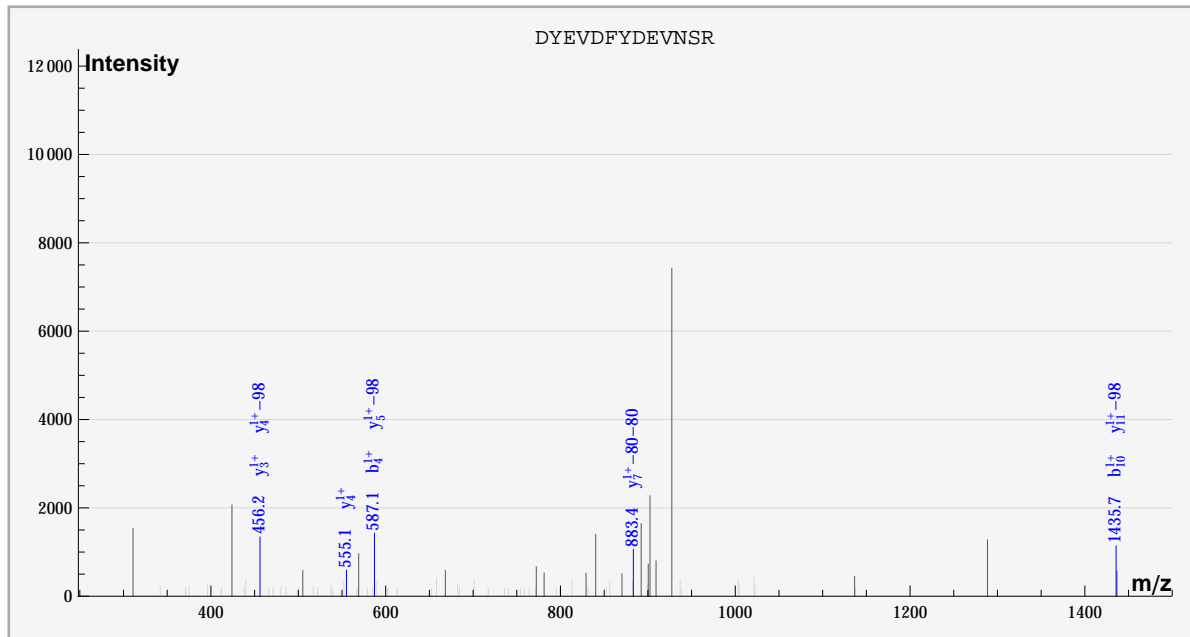
dbValid true DYEVDYDEVNSR PHOS(3) 2. 947. -1.201 5.39396 100. ? 2388.  
 S\_Acido\_new%gi|68568364|gb|AA81293.1| DYEVDYDEVNSR%::PHOS:::PHOS:::PHOS:::sample\_2%compd\_972



	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
E	3			11		✓		
V	4	✓		10				
D	5			9				
F	6			8				
Y	7			7				
D	8			6				
E	9			5		✓		
V	10	✓		4	✓	✓		
N	11			3	✓			
S	12			2				
R	13			1				

D Y <sup>⌈</sup>E V <sub>⌋</sub> D F Y D <sup>⌈</sup>E <sup>⌈</sup>V <sub>⌋</sub> <sup>⌈</sup>N S R

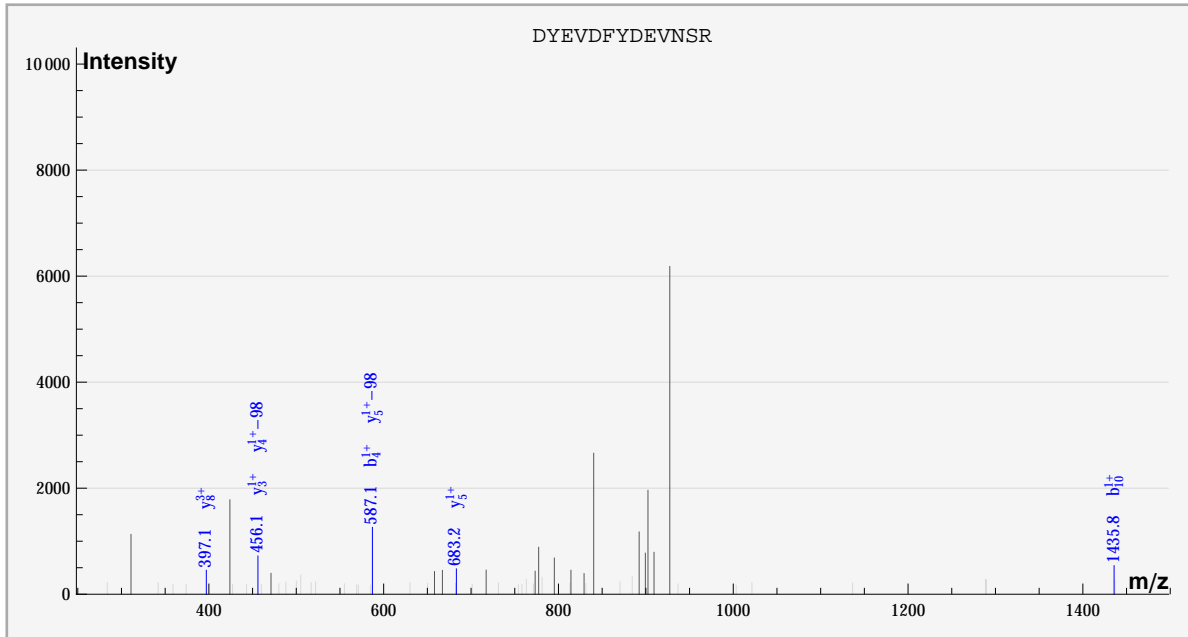
dbValid true DYEVDYDEVNSR PHOS(3) 2. 947. -1.201 5.12371 100. ? 2400.  
 S\_Acido\_new%gi|68568364|gb|AA81293.1| DYEVDYDEVNSR%::PHOS:::PHOS:::PHOS:::sample\_2%compd\_982



	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
E	3			11		✓		
V	4	✓		10				
D	5			9				
F	6			8				
Y	7			7		✓		
D	8			6				
E	9			5		✓		
V	10	✓		4	✓	✓		
N	11			3	✓			
S	12			2				
R	13			1				

D Y E V D F Y D E V N S R

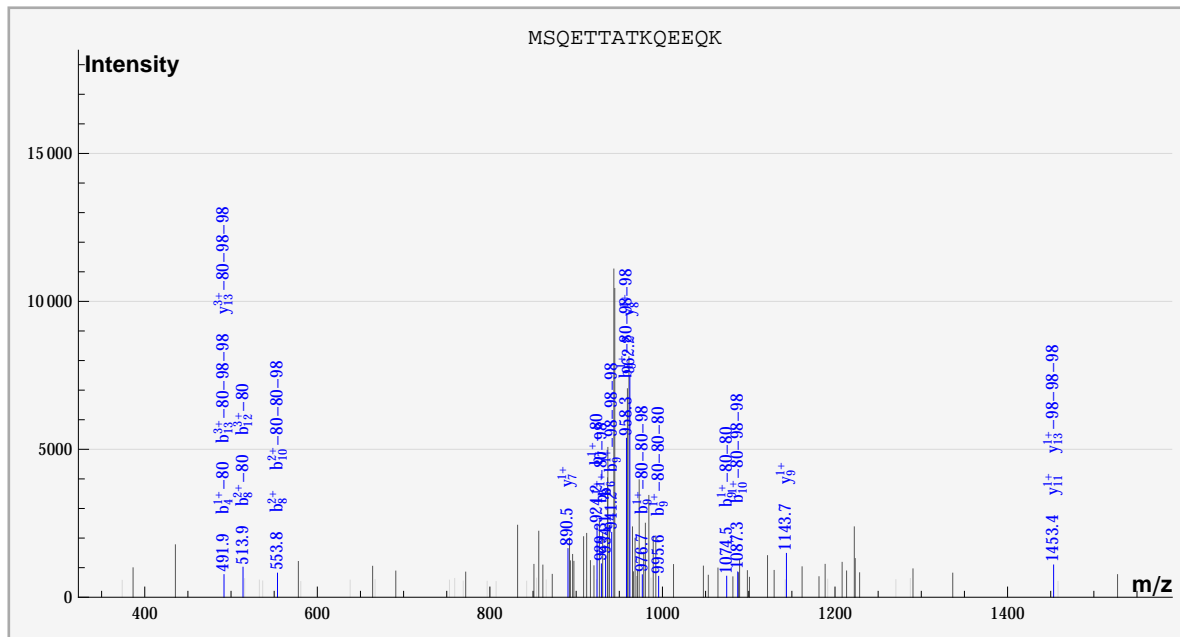
dbValid true DYEVDYDEVNSR PHOS(3) 2. 947. -1.201 5.23382 100. ? 2508.  
 S\_Acido\_new%gi|68568364|gb|AA81293.1| DYEVDYDEVNSR%::PHOS::::PHOS::::PHOS::%sample\_2%compd\_1075



	#	b	b*	#	y	y*	P	P*
D	1							
Y	2			12				
E	3			11				
V	4	✓		10				
D	5			9				
F	6			8	✓			
Y	7			7				
D	8			6				
E	9			5	✓	✓		
V	10	✓		4		✓		
N	11			3	✓			
S	12			2				
R	13			1				

D Y E V D F Y D E V N S R

dbValid true MSQETTATKQEEQK Oxidation\_M(1),PHOS(3) 2. 948.  
 -0.167483 5.41352 100. ? 3198. S\_Acido\_new%g|68567858|gb|AAy80787.1|  
 MSQETTATKQEEQK%:Oxidation\_M:PHOS::PHOS:PHOS:::.....%sample\_0%compd\_1512



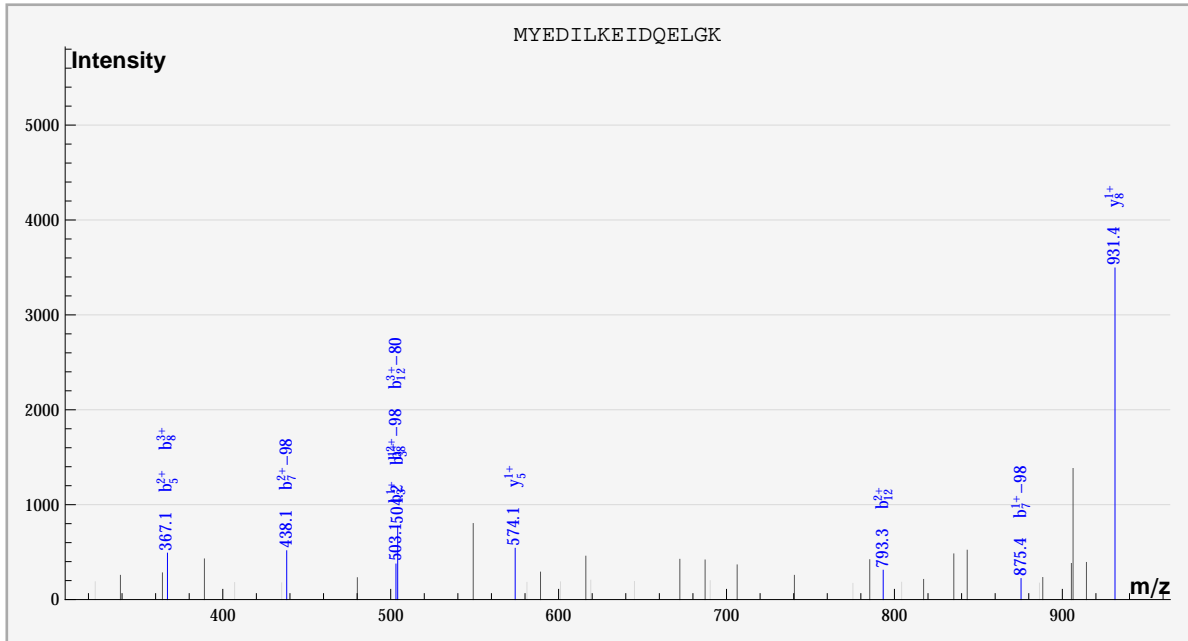
	#	b	b*	#	y	y*	P	P*
M	1							
S	2			13		✓		
Q	3			12				
E	4		✓	11		✓		
T	5			10				
T	6	✓		9		✓		
A	7		✓	8		✓		
T	8	✓	✓	7		✓		
K	9		✓	6				
Q	10		✓	5				
E	11			4				
E	12		✓	3				
Q	13		✓	2				
K	14			1				

M S Q E T T A T K Q E E Q K



dbValid true MYEDILKEIDQELGK PHOS(1) 2. 951. 1.44155 5.11123 100. ? 1884.

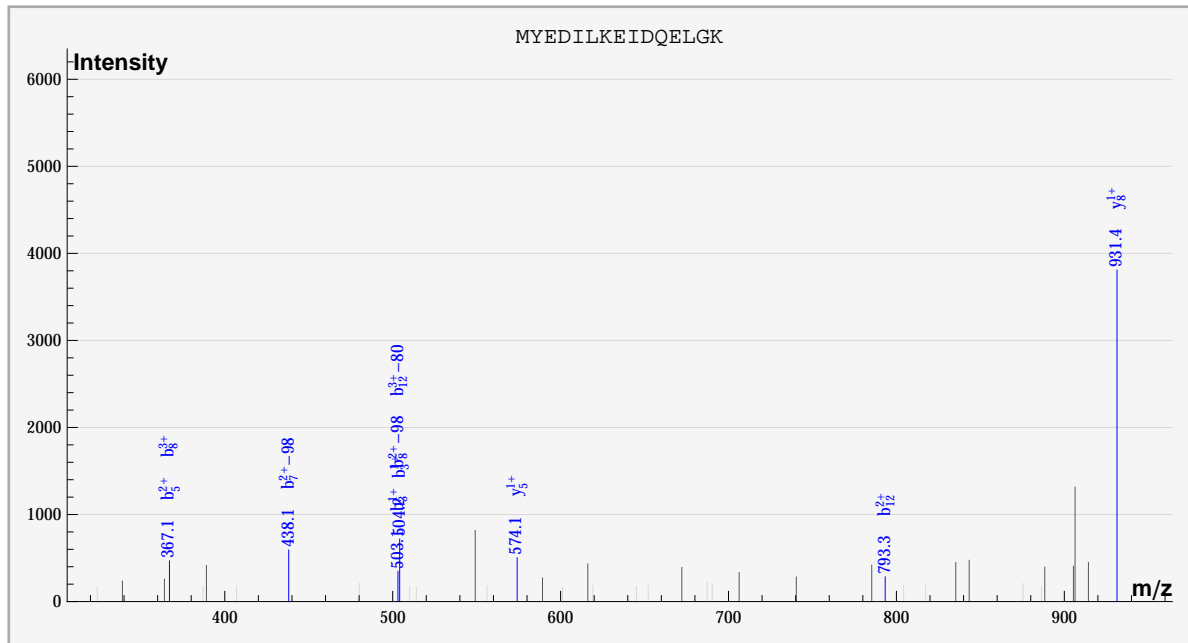
S\_Acido\_new%gi|68567914|gb|AAY80843.1| MYEDILKEIDQELGK::PHOS:::sample\_3%compd\_564



	#	b	b*	#	y	y*	P	P*
M	1							
Y	2			14				
E	3	✓		13				
D	4			12				
I	5	✓		11				
L	6			10				
K	7		✓	9				
E	8	✓	✓	8	✓			
I	9			7				
D	10			6				
Q	11			5	✓			
E	12	✓	✓	4				
L	13			3				
G	14			2				
K	15			1				

M Y E D I L K E I D Q E L G K

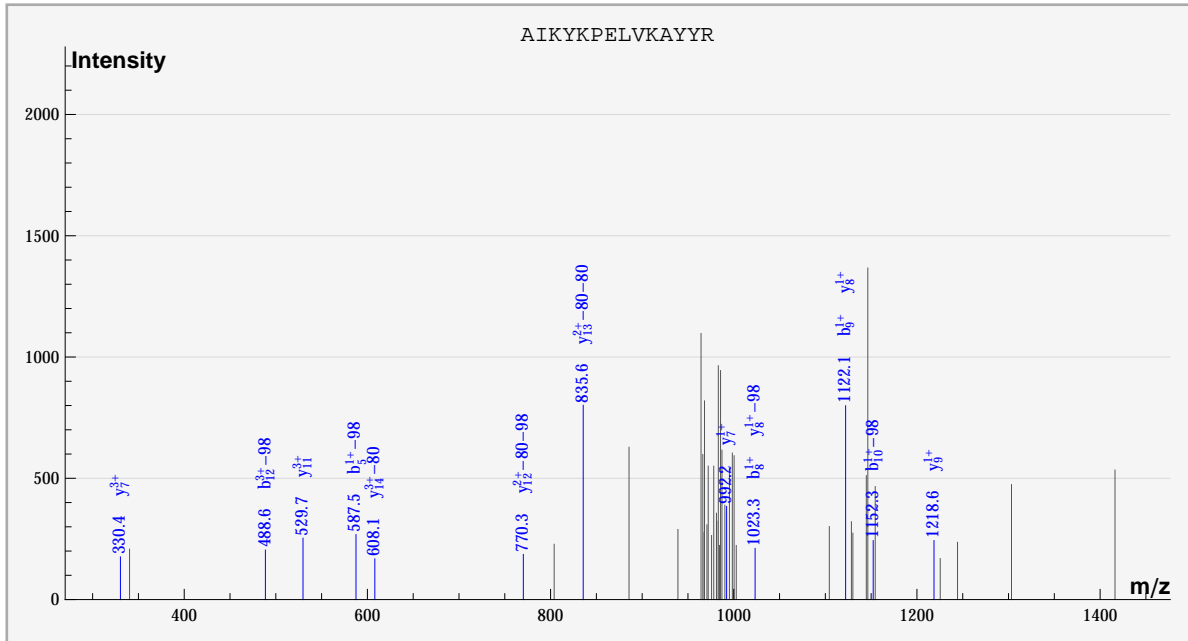
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	#	b	b*	#	y	y*	P	P*
M	1							
Y	2			14				
E	3	✓		13				
D	4			12				
I	5	✓		11				
L	6			10				
K	7		✓	9				
E	8	✓	✓	8	✓			
I	9			7				
D	10			6				
Q	11			5	✓			
E	12	✓	✓	4				
L	13			3				
G	14			2				
K	15			1				

M Y E D I L K E I D Q E L G K

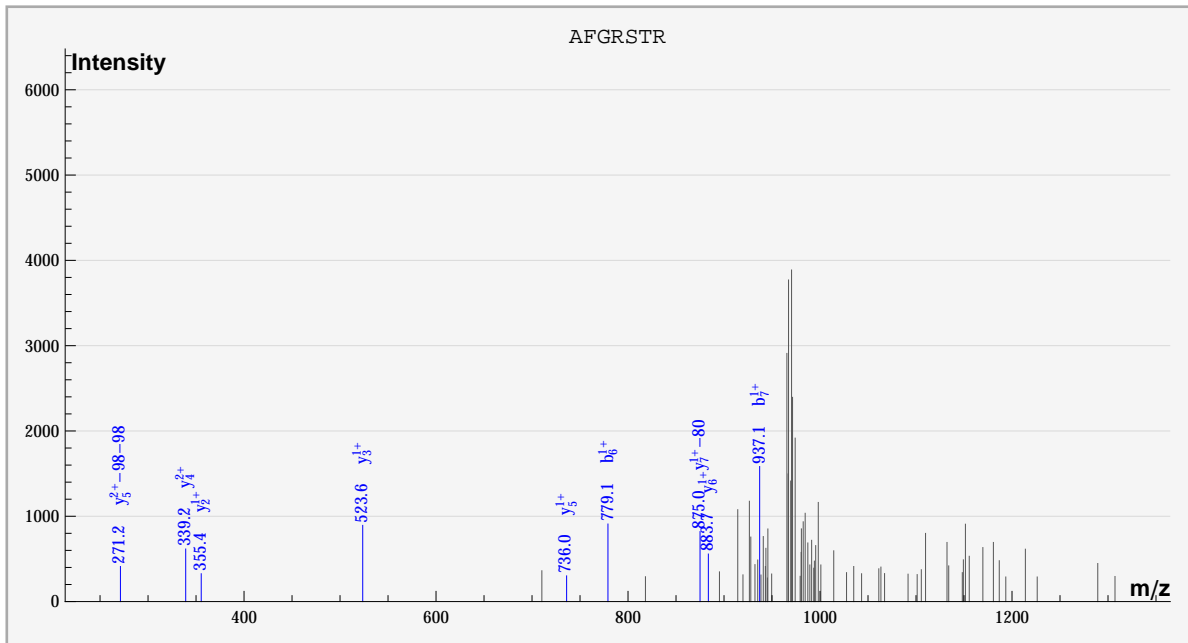
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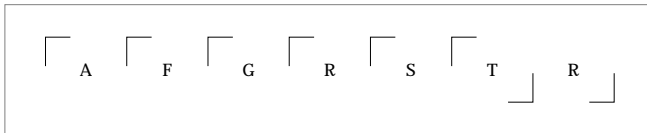
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I	2			13		✓		
K	3			12		✓		
Y	4			11	✓			
K	5		✓	10				
P	6			9	✓			
E	7			8	✓	✓		
L	8	✓		7	✓			
V	9	✓		6				
K	10		✓	5				
A	11			4				
Y	12		✓	3				
Y	13			2				
R	14			1				

「 A 「 I 「 K 「 Y K 「 P 「 E 「 L 「 V 「 K 「 A 「 Y 「 Y R

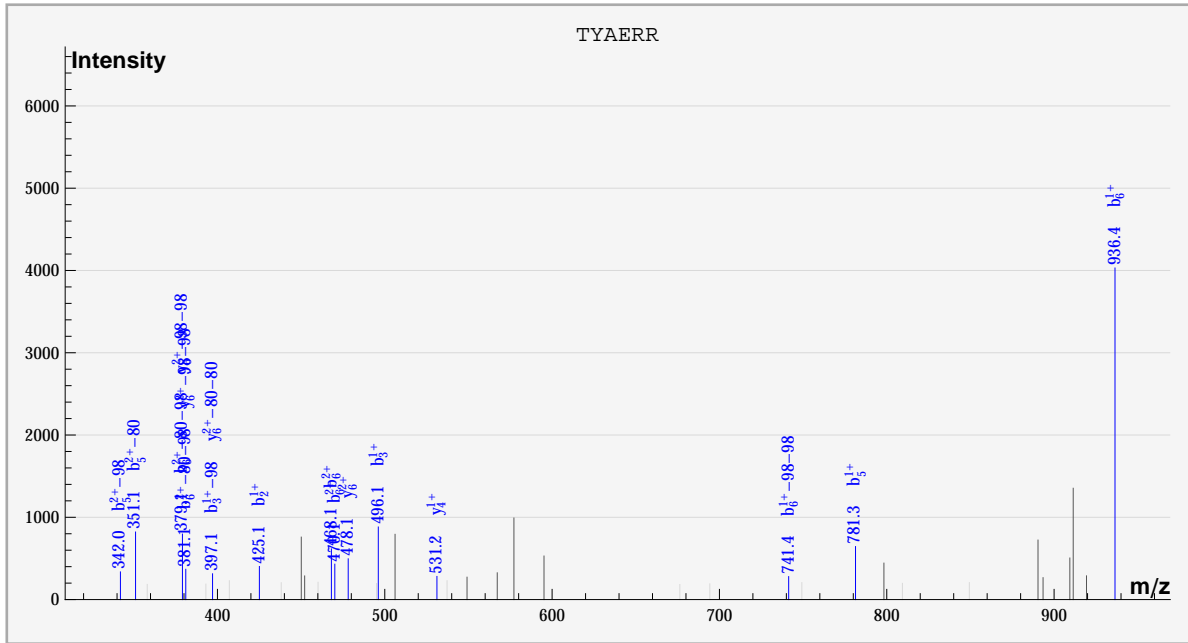
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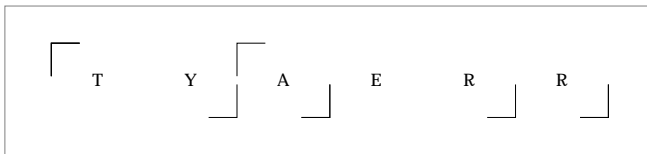
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A	1							✓
F	2			6	✓			
G	3			5	✓	✓		
R	4			4	✓			
S	5			3	✓			
T	6	✓		2	✓			
R	7	✓		1				



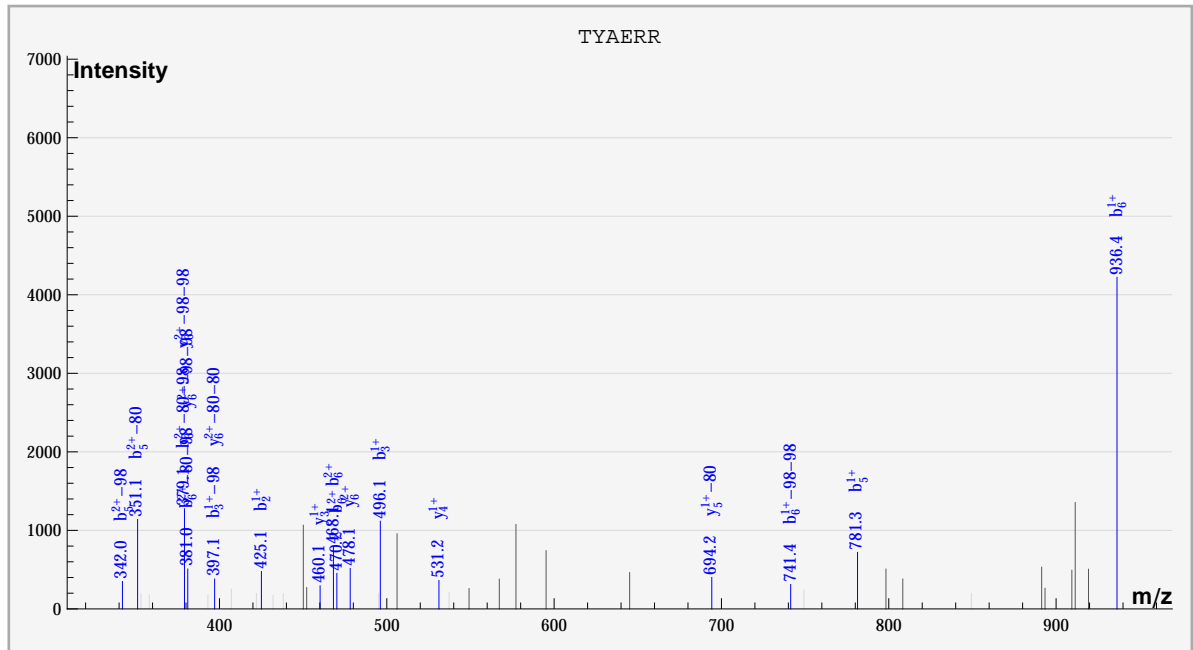
dbValid true TYAERR PHOS(2) 1. 956. -0.656615 5.30651 100. ? 1956.  
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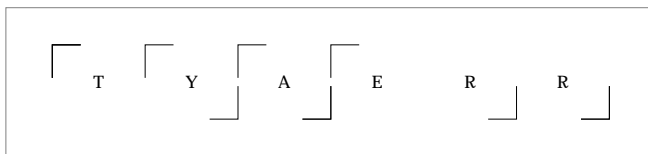
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T	1						✓	✓
Y	2	✓		5				
A	3	✓	✓	4	✓			
E	4			3				
R	5	✓	✓	2				
R	6	✓	✓	1				



dbValid true TYAERR PHOS(2) 1. 956. -0.656615 5.10974 100. ? 1968.  
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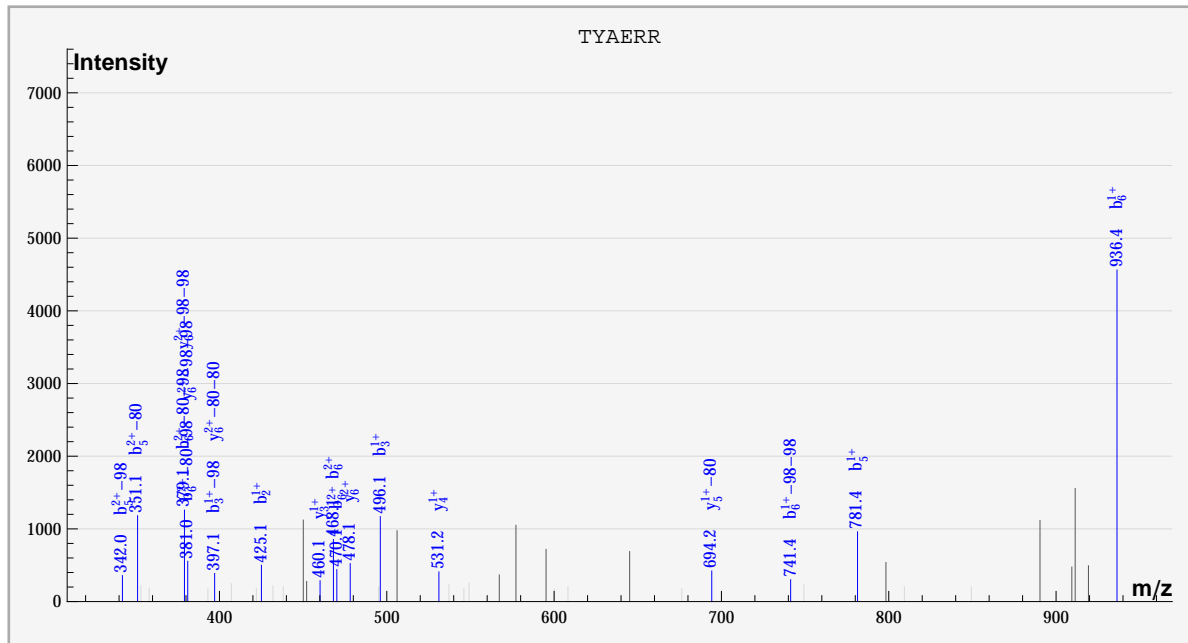


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Y	2	✓		5	✓			
A	3	✓	✓	4	✓			
E	4			3	✓			
R	5	✓	✓	2				
R	6	✓	✓	1				

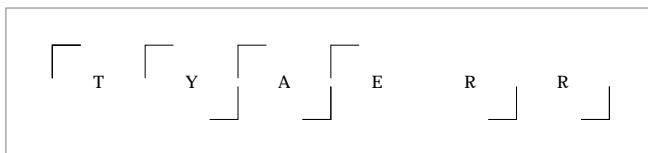


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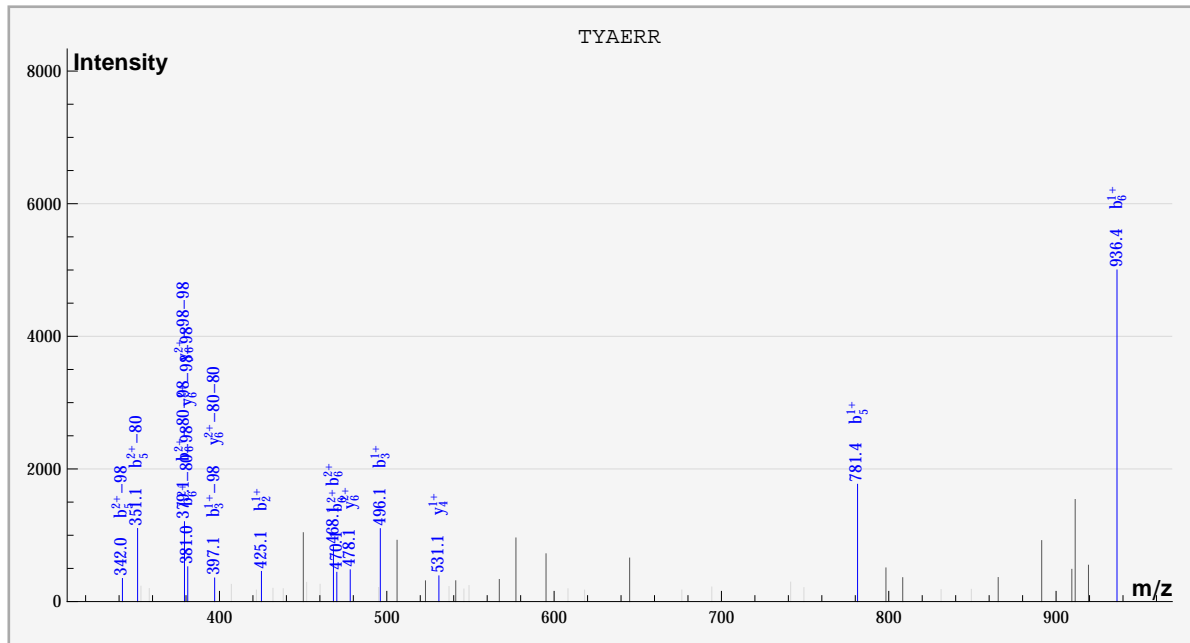
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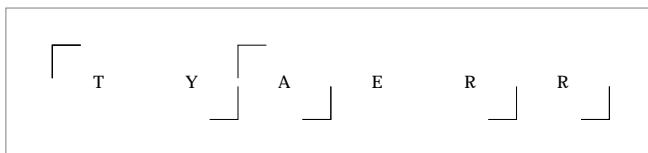
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T	1						✓	✓
Y	2	✓		5		✓		
A	3	✓	✓	4	✓			
E	4			3	✓			
R	5	✓	✓	2				
R	6	✓	✓	1				



dbValid true TYAERR PHOS(2) 1. 956. -0.656615 5.18975 100. ? 1992.  
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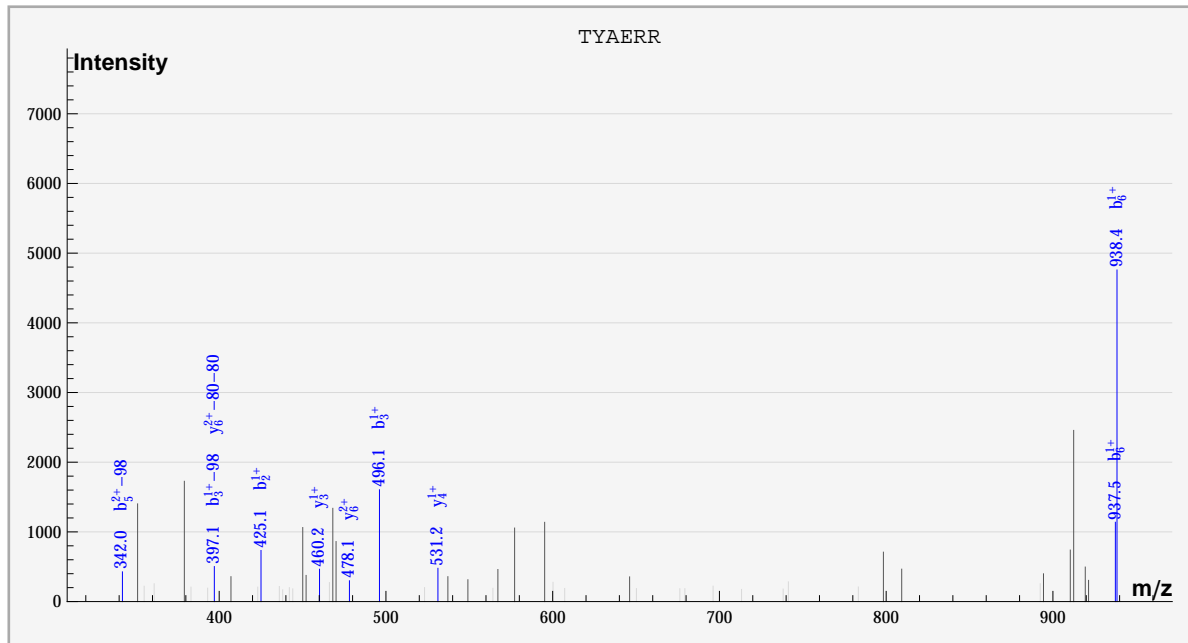


	#	b	b*	#	y	y*	P	P*
T	1						✓	✓
Y	2	✓		5				
A	3	✓	✓	4	✓			
E	4			3				
R	5	✓	✓	2				
R	6	✓	✓	1				

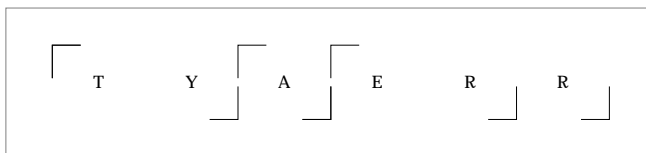




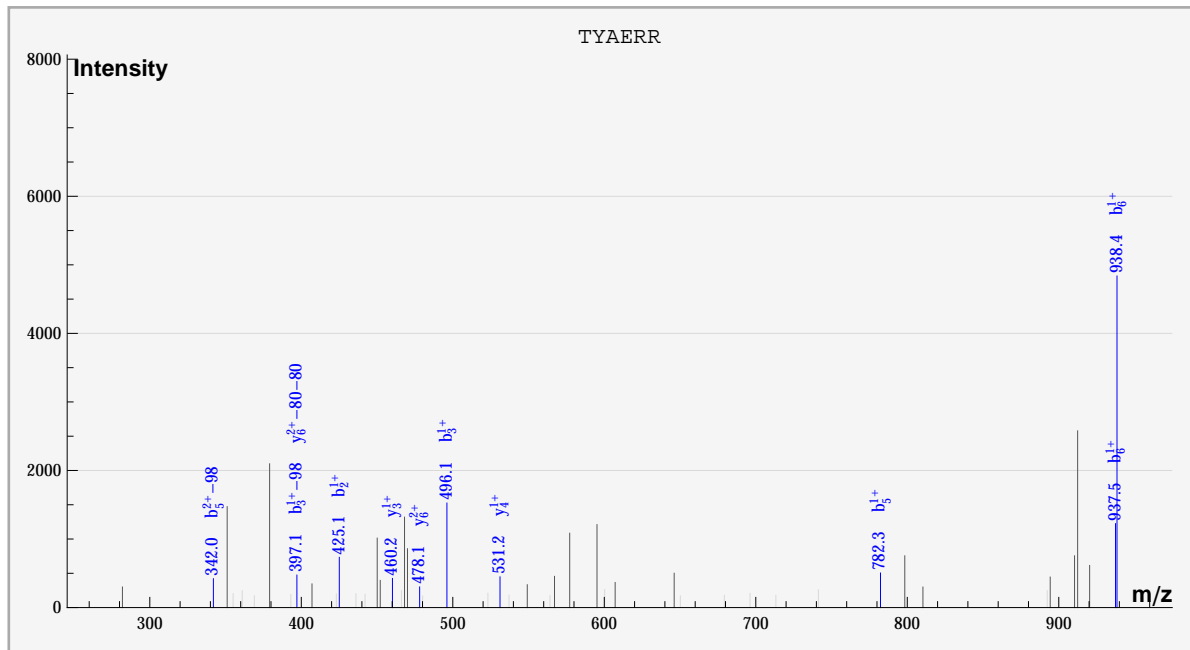
dbValid true TYAERR PHOS(2) 1. 957. -1.65662 6.04758 100. ? 1968.  
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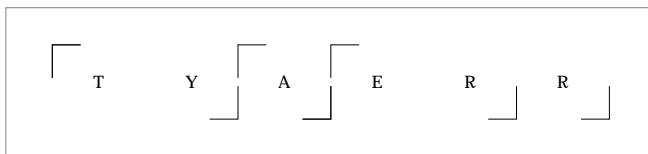
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Y	2	✓		5				
A	3	✓	✓	4	✓			
E	4			3	✓			
R	5		✓	2				
R	6	✓		1				



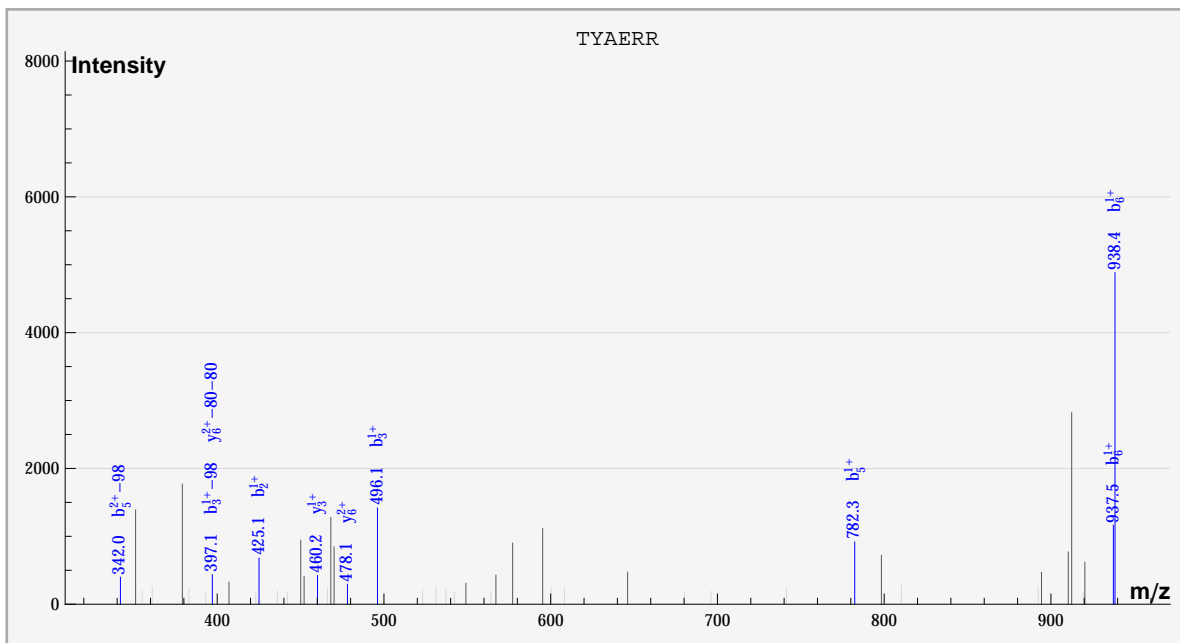
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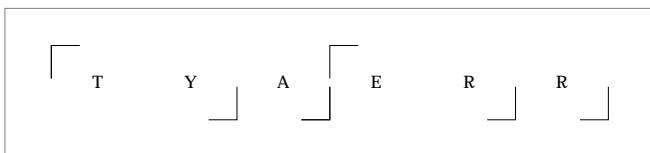
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Y	2	✓		5				
A	3	✓	✓	4	✓			
E	4			3	✓			
R	5	✓	✓	2				
R	6	✓		1				



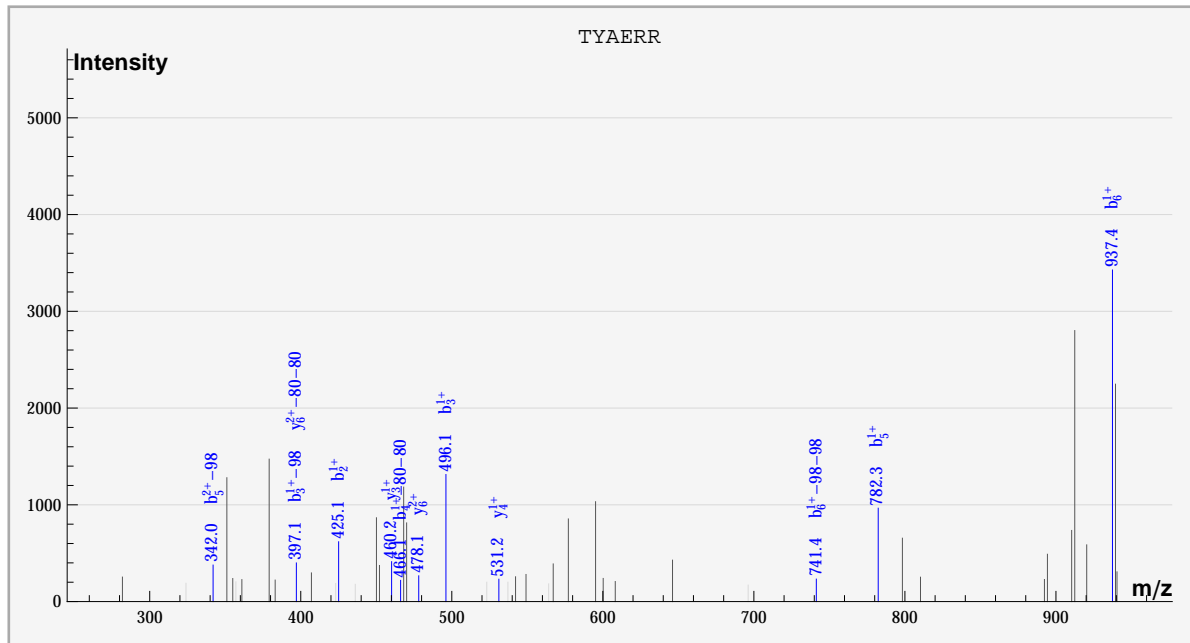
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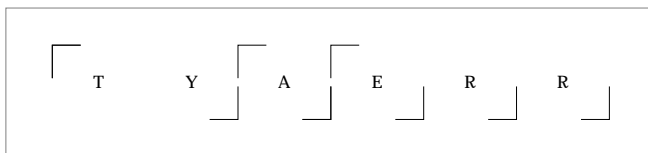
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Y	2	✓		5				
A	3	✓	✓	4				
E	4			3	✓			
R	5	✓	✓	2				
R	6	✓		1				



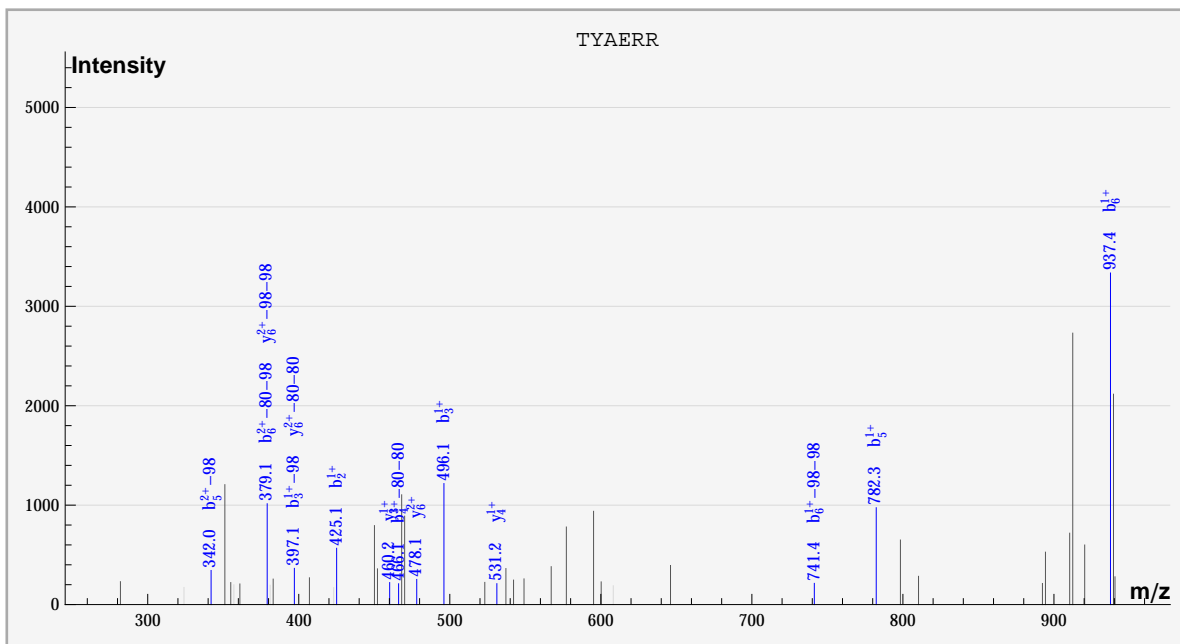
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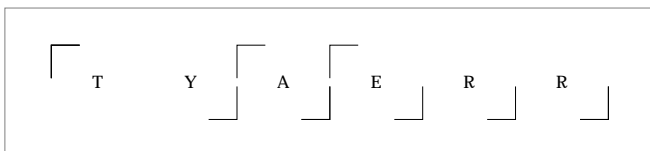
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Y	2	✓		5				
A	3	✓	✓	4	✓			
E	4		✓	3	✓			
R	5	✓	✓	2				
R	6	✓	✓	1				



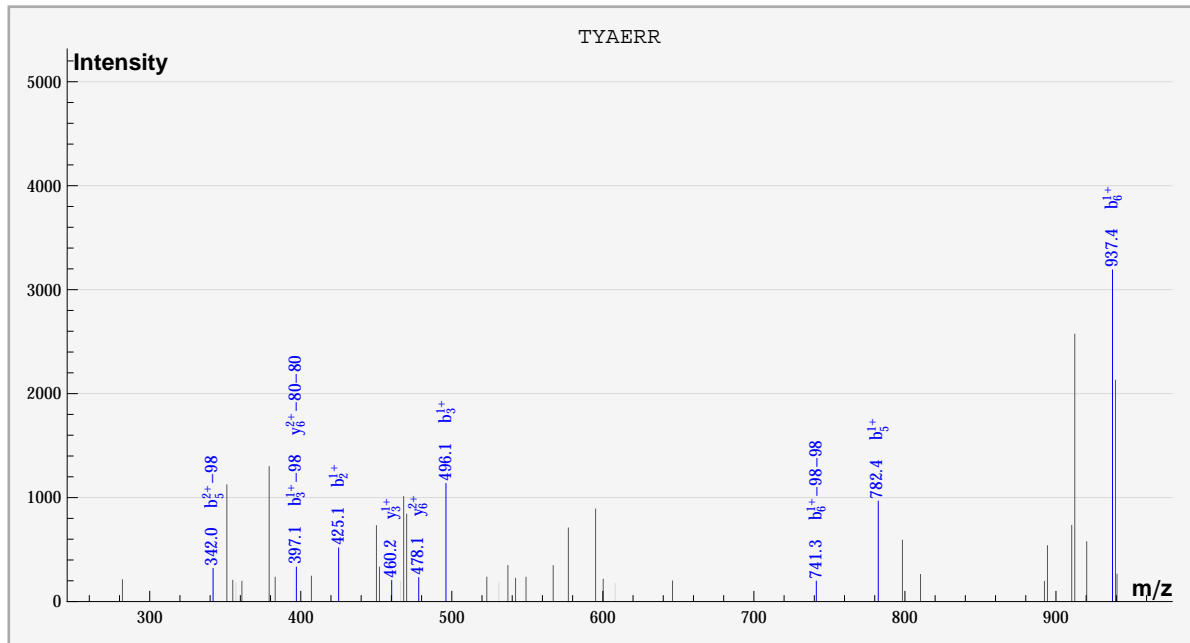
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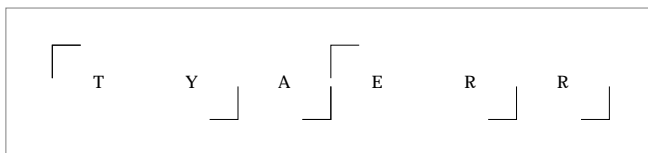
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T	1						✓	✓
Y	2	✓		5				
A	3	✓	✓	4	✓			
E	4		✓	3	✓			
R	5	✓	✓	2				
R	6	✓	✓	1				



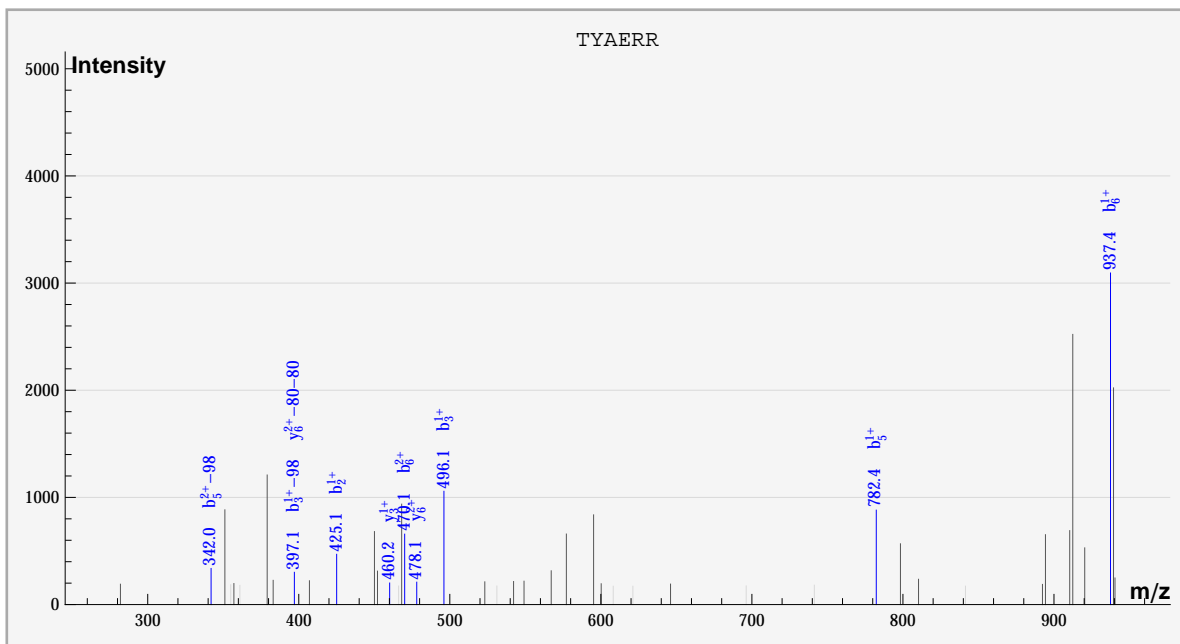
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	#	b	b*	#	y	y*	P	P*
T	1						✓	✓
Y	2	✓		5				
A	3	✓	✓	4				
E	4			3	✓			
R	5	✓	✓	2				
R	6	✓	✓	1				



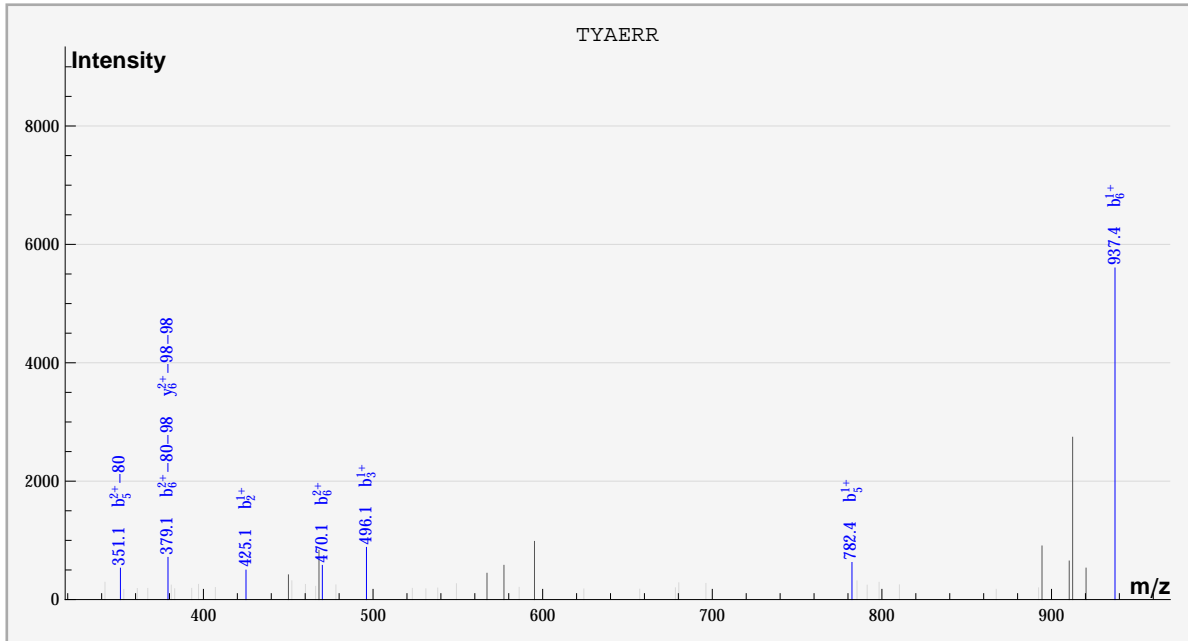
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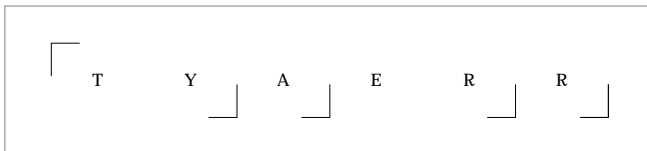
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T	1						✓	✓
Y	2	✓		5				
A	3	✓	✓	4				
E	4			3	✓			
R	5	✓	✓	2				
R	6	✓		1				



dbValid true TYAERR PHOS(2) 1. 957. -1.65662 5.88782 100. ? 2082.  
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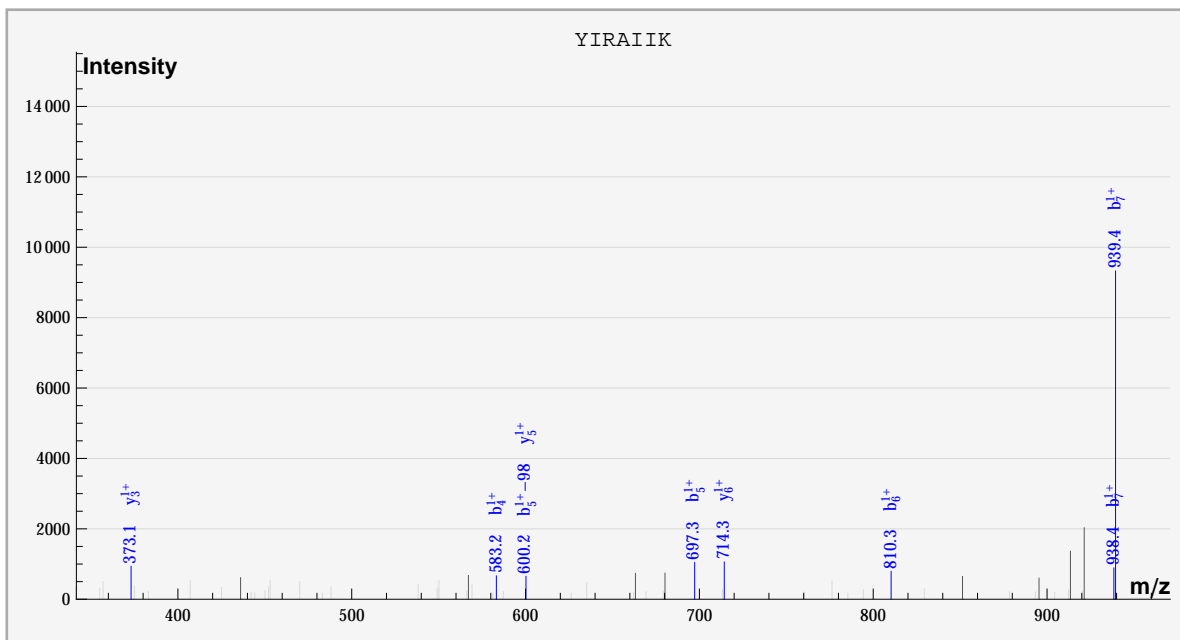


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T	1							✓
Y	2	✓		5				
A	3	✓		4				
E	4			3				
R	5	✓	✓	2				
R	6	✓	✓	1				

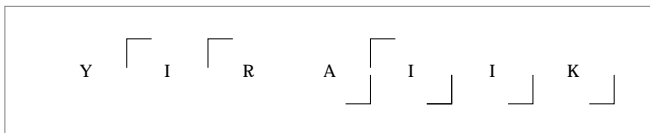




dbValid true YIRAIK PHOS(1) 1. 958. -1.46716 5.2385 100. ? 1644.  
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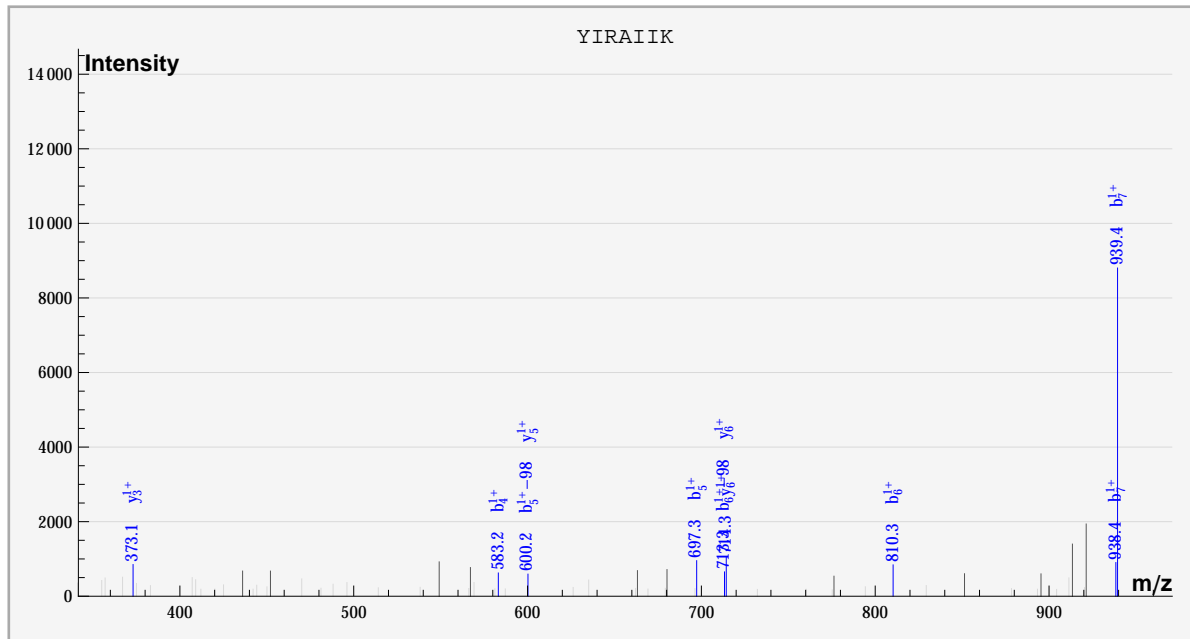


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Y	1							
I	2			6	✓			
R	3			5	✓			
A	4	✓		4				
I	5	✓	✓	3	✓			
I	6	✓		2				
K	7	✓		1				

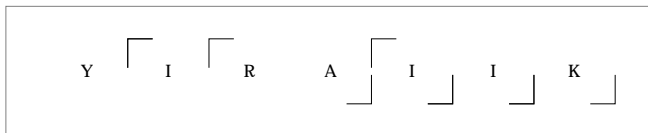


dbValid true YIRAIK PHOS(1) 1. 958. -1.46716 5.58238 100. ? 1656.

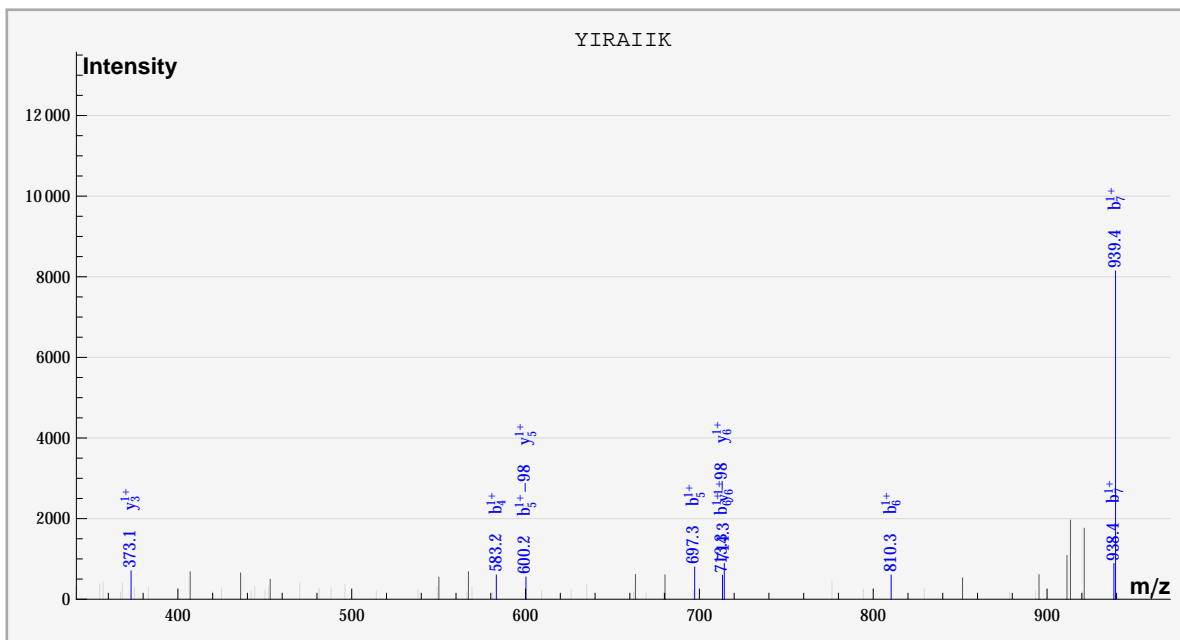
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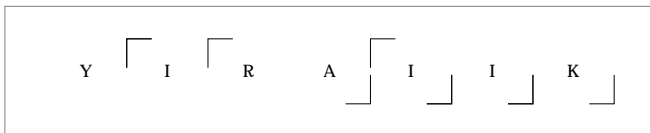
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Y	1							
I	2			6	✓			
R	3			5	✓			
A	4	✓		4				
I	5	✓	✓	3	✓			
I	6	✓	✓	2				
K	7	✓		1				



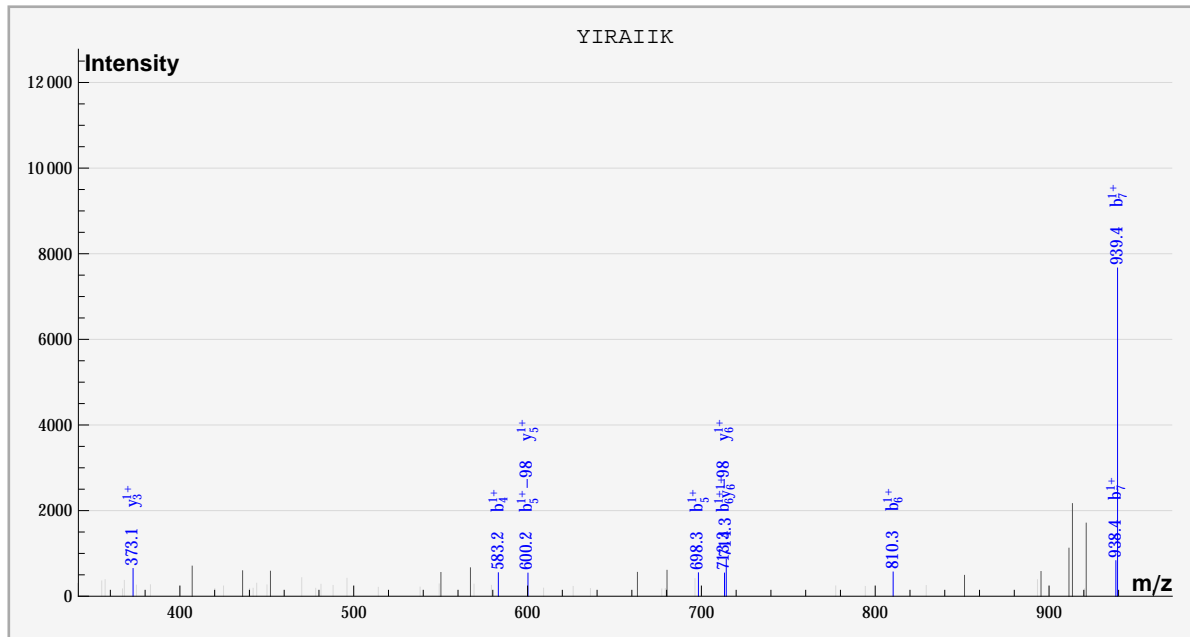
dbValid true YIRAIK PHOS(1) 1. 958. -1.46716 5.55023 100. ? 1680.  
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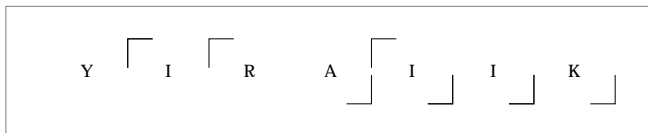
	#	b	b*	#	y	y*	P	P*
Y	1							
I	2			6	✓			
R	3			5	✓			
A	4	✓		4				
I	5	✓	✓	3	✓			
I	6	✓	✓	2				
K	7	✓		1				



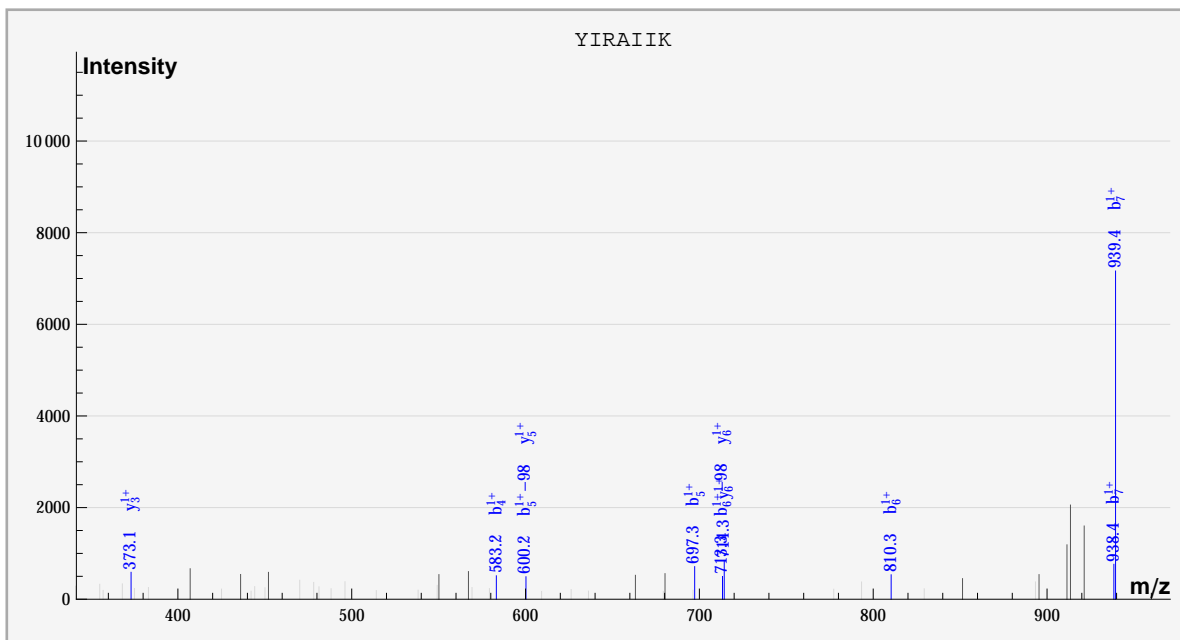
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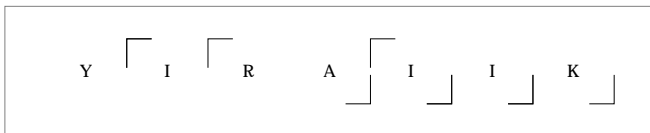
	#	b	b*	#	y	y*	P	P*
Y	1							
I	2			6	✓			
R	3			5	✓			
A	4	✓		4				
I	5	✓	✓	3	✓			
I	6	✓	✓	2				
K	7	✓		1				



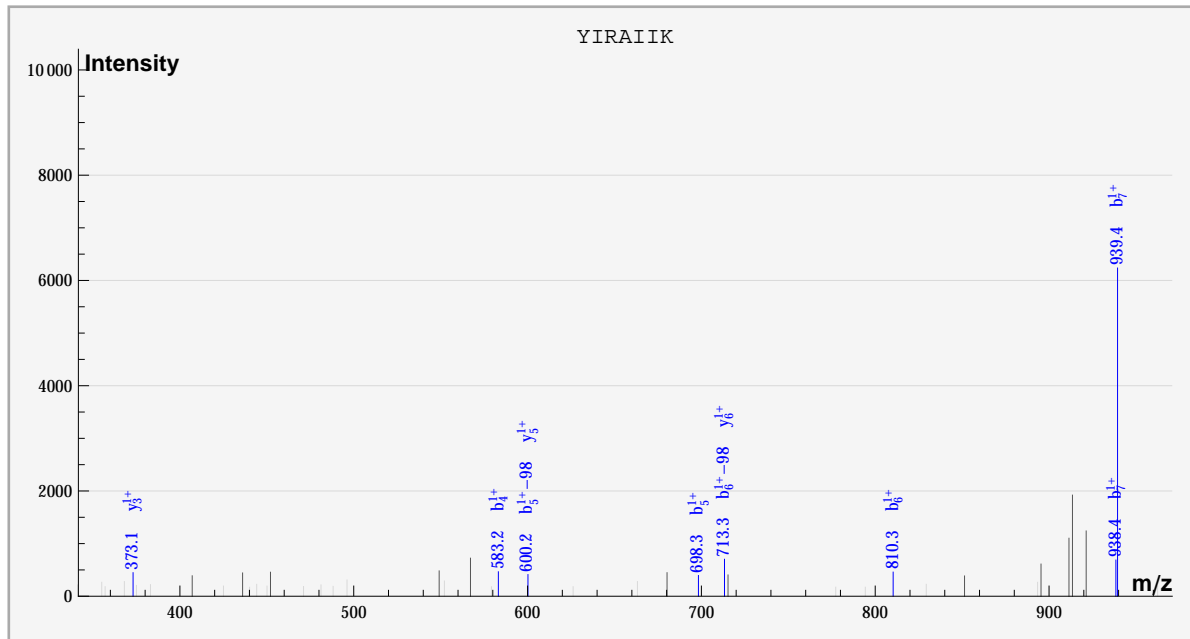
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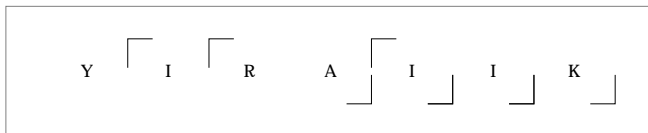
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Y	1							
I	2			6	✓			
R	3			5	✓			
A	4	✓		4				
I	5	✓	✓	3	✓			
I	6	✓	✓	2				
K	7	✓		1				



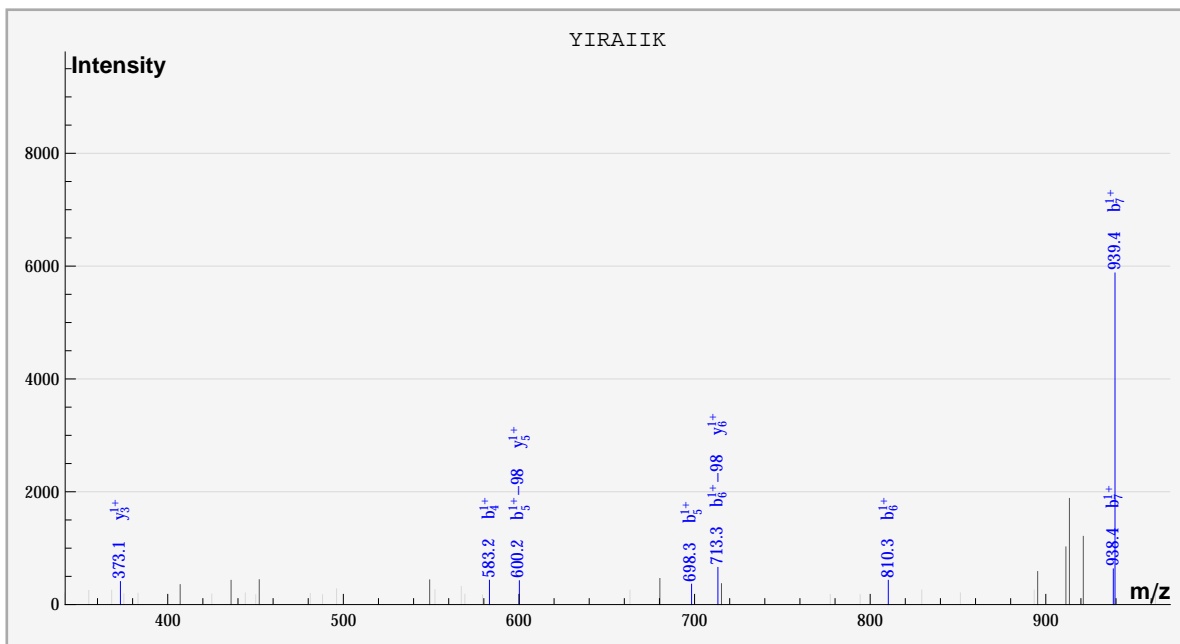
dbValid true YIRAIK PHOS(1) 1. 958. -1.46716 5.22853 100. ? 1740.  
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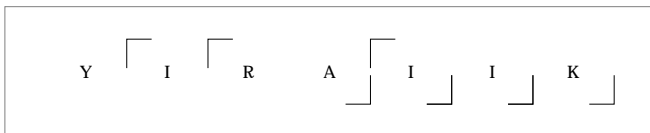
	#	b	b*	#	y	y*	P	P*
Y	1							
I	2			6	✓			
R	3			5	✓			
A	4	✓		4				
I	5	✓	✓	3	✓			
I	6	✓	✓	2				
K	7	✓		1				



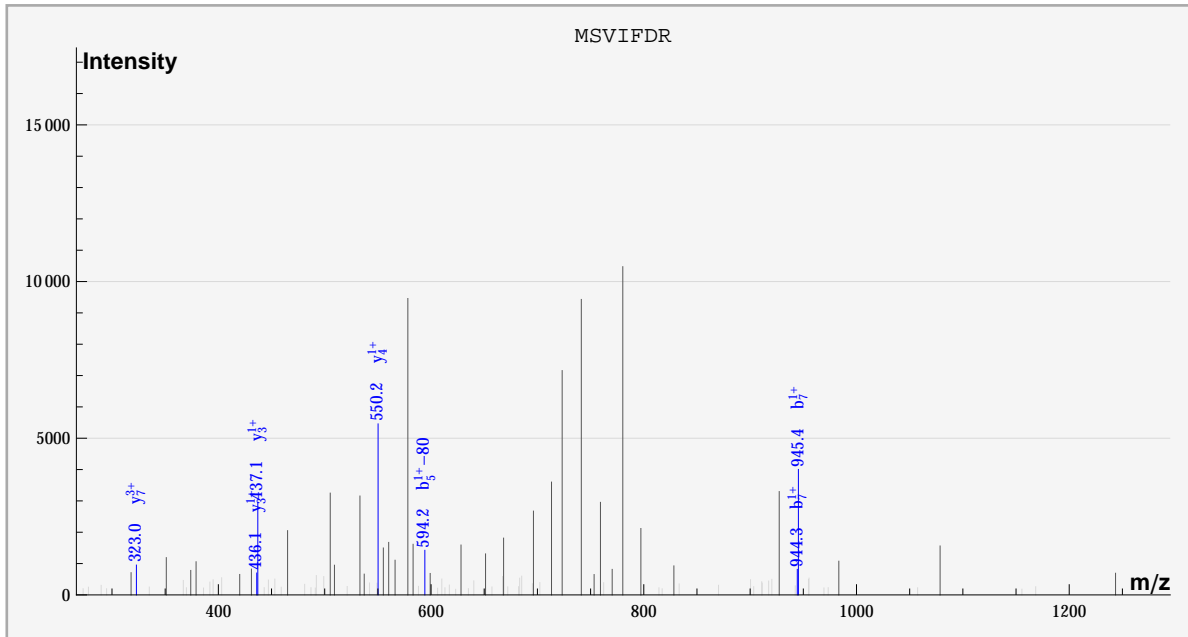
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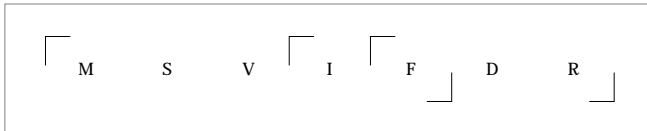
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Y	1							
I	2			6	✓			
R	3			5	✓			
A	4	✓		4				
I	5	✓	✓	3	✓			
I	6	✓	✓	2				
K	7	✓		1				



dbValid true MSVIFDR Oxidation\_M(1),PHOS(1) 1. 965. -1.5995 5.21209 100. ? 3558.  
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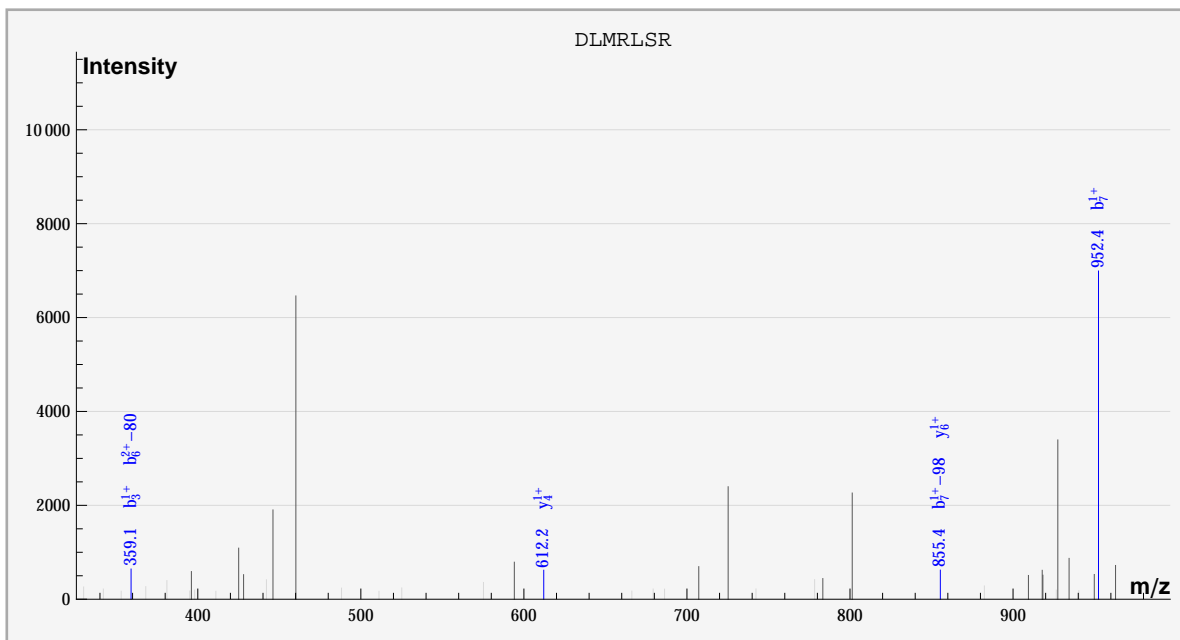


	#	b	b*	#	y	y*	P	P*
M	1							✓
S	2			6				
V	3			5				
I	4			4	✓			
F	5	✓		3	✓			
D	6			2				
R	7	✓		1				

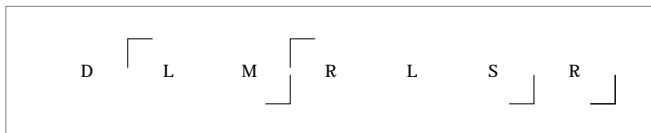




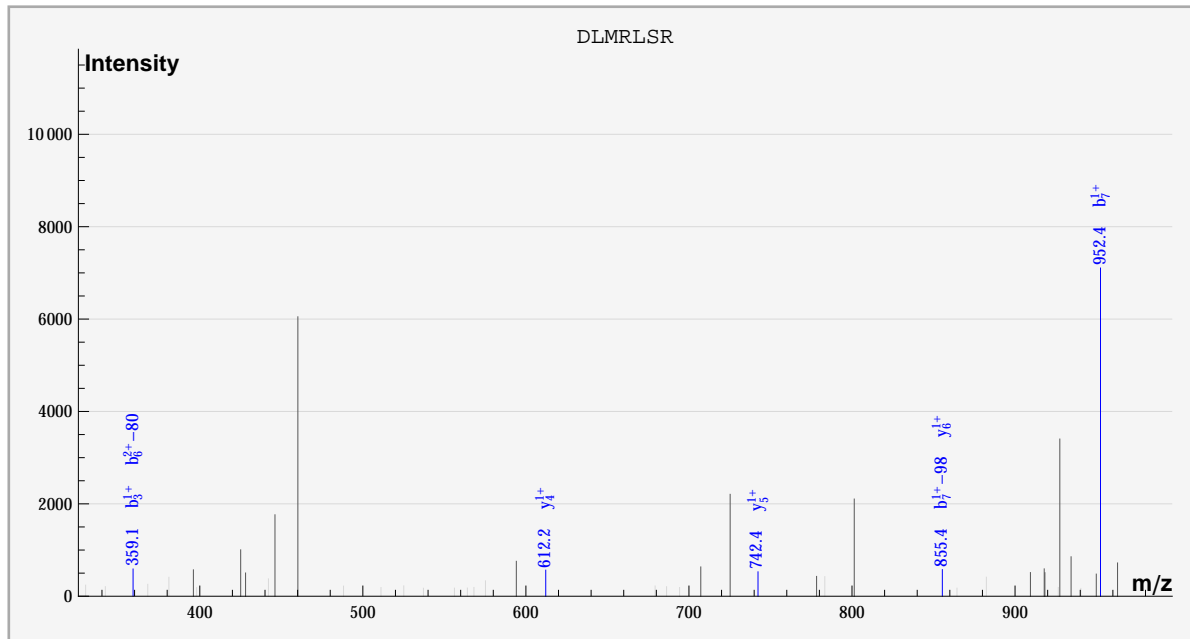
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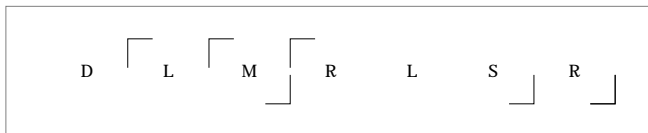
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D	1							
L	2			6	✓			
M	3	✓		5				
R	4			4	✓			
L	5			3				
S	6		✓	2				
R	7	✓	✓	1				



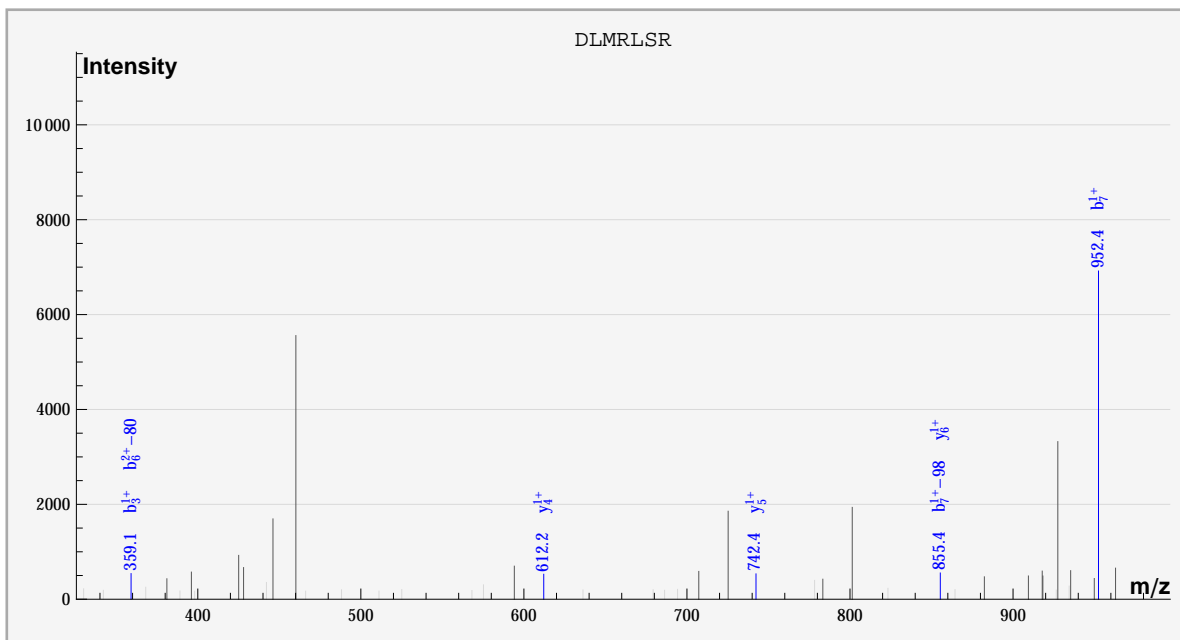
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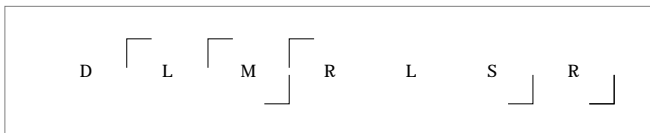
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D	1							
L	2			6	✓			
M	3	✓		5	✓			
R	4			4	✓			
L	5			3				
S	6		✓	2				
R	7	✓	✓	1				



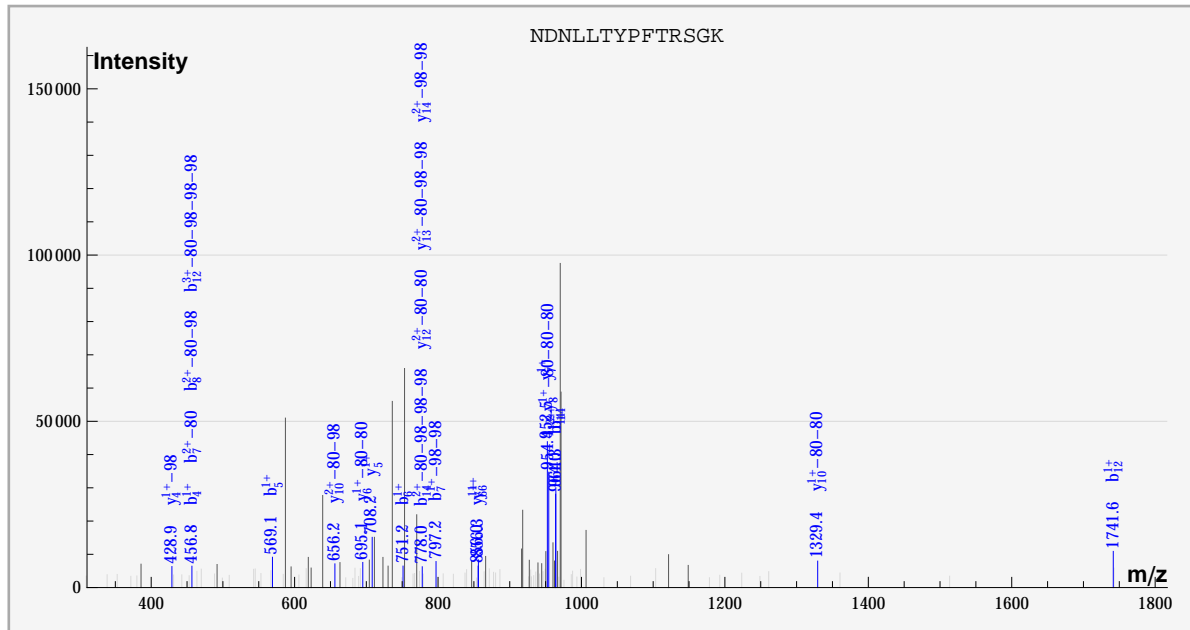
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	#	b	b*	#	y	y*	P	P*
D	1							
L	2			6	✓			
M	3	✓		5	✓			
R	4			4	✓			
L	5			3				
S	6		✓	2				
R	7	✓	✓	1				



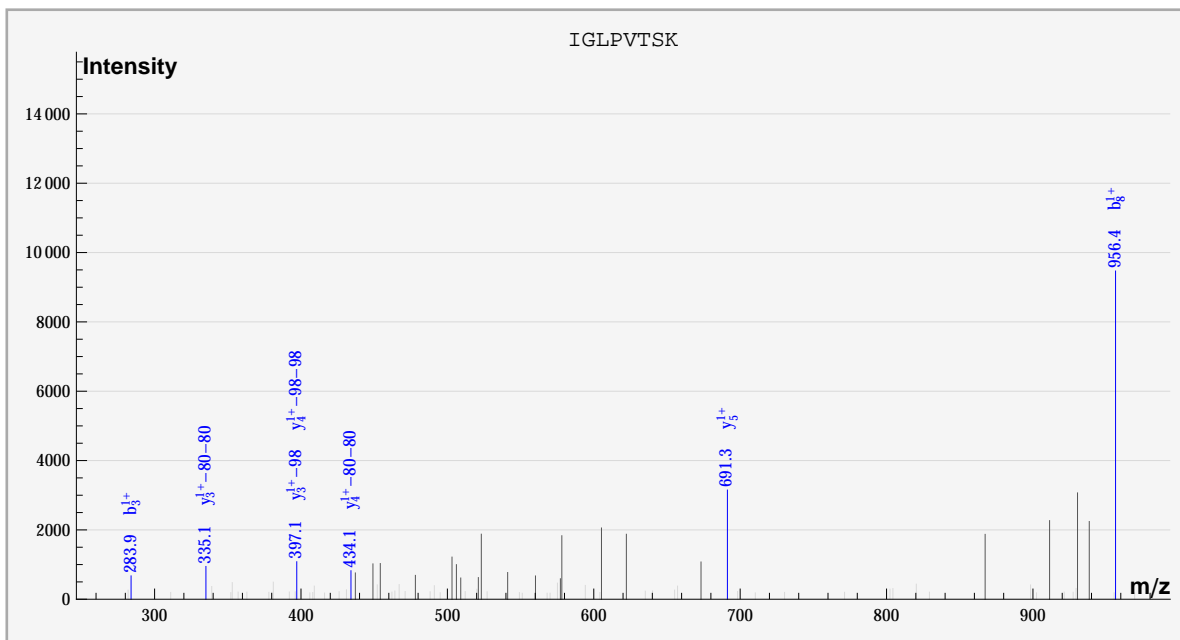
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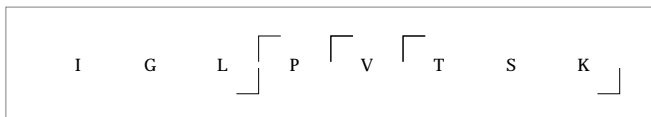
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D	2			13		✓		
N	3			12		✓		
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L	5	✓		10		✓		
T	6	✓		9				
Y	7		✓	8		✓		
P	8		✓	7	✓			
F	9			6	✓	✓		
T	10			5	✓			
R	11			4		✓		
S	12	✓	✓	3				
G	13			2				
K	14	✓	✓	1				

[ N ] [ D ] [ N ] [ L ] [ L ] [ T ] [ Y ] [ P ] [ F ] [ T ] [ R ] [ S ] [ G ] [ K ]

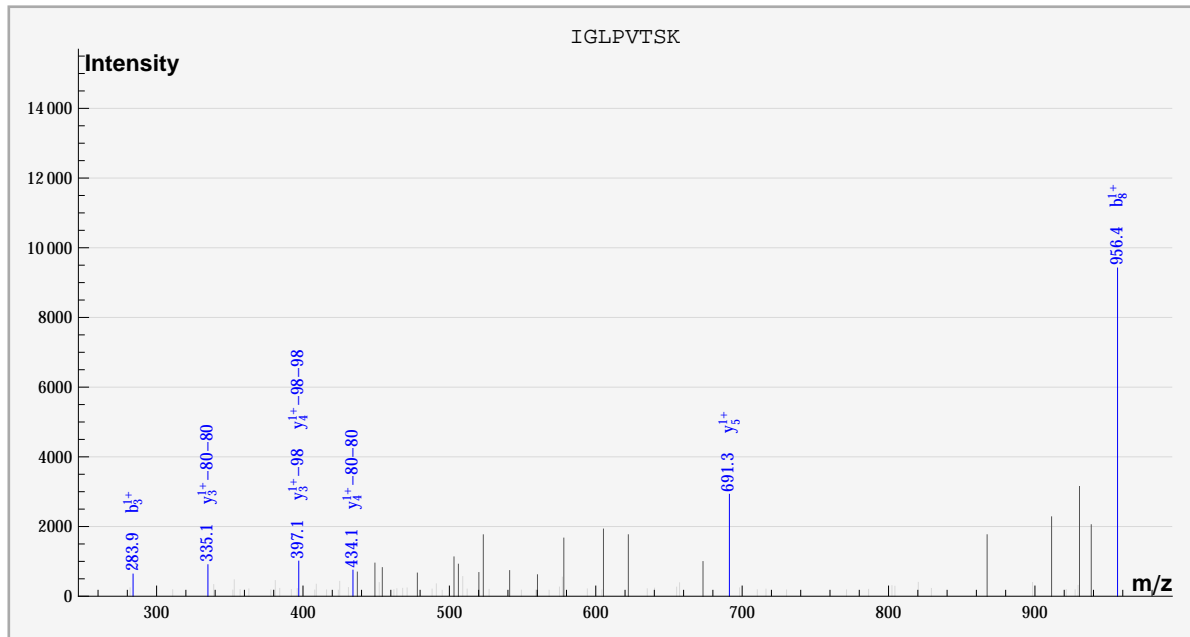
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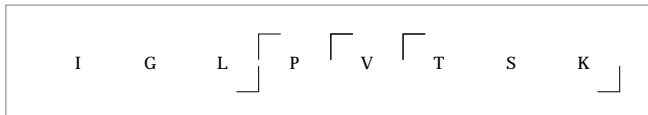
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G	2			7				
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P	4			5	✓			
V	5			4		✓		
T	6			3		✓		
S	7			2				
K	8	✓		1				



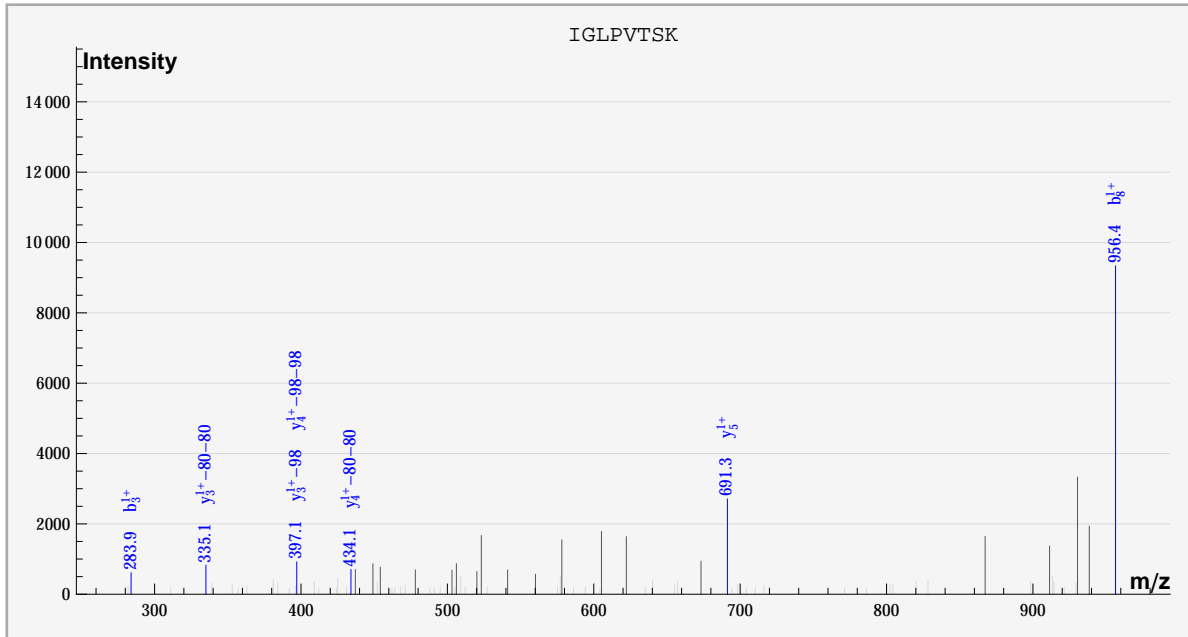
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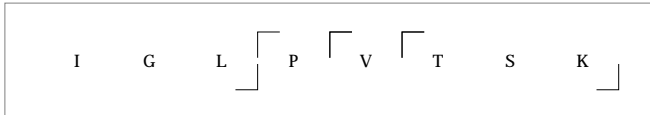
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T	6			3		✓		
S	7			2				
K	8	✓		1				



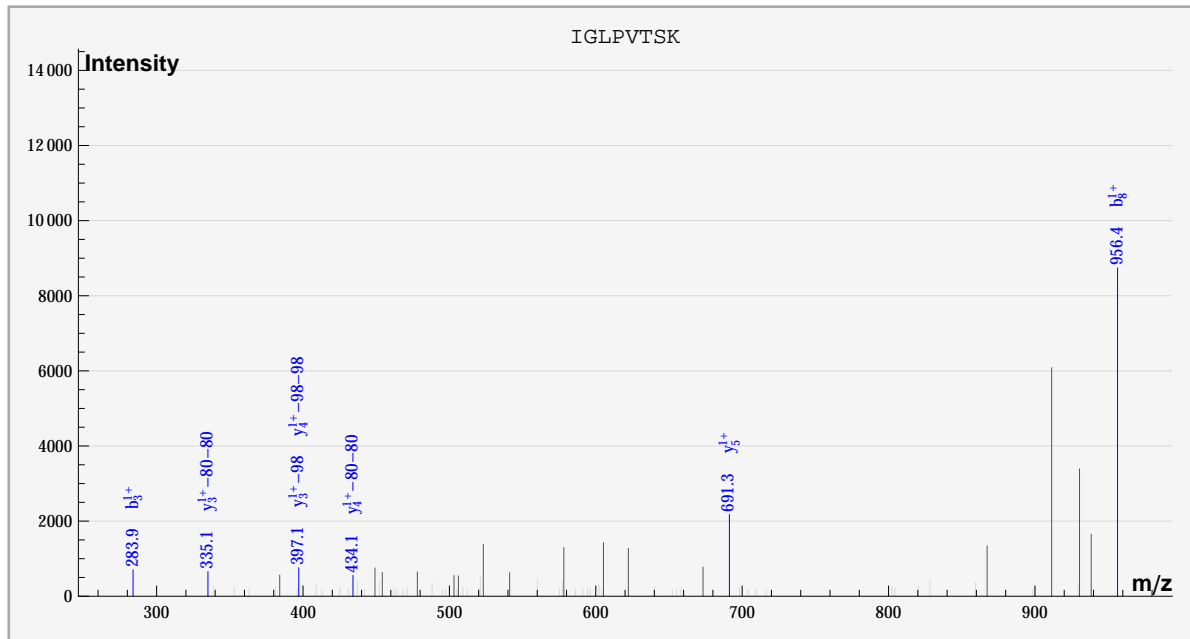
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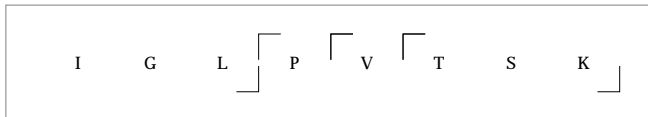
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V	5			4		✓		
T	6			3		✓		
S	7			2				
K	8	✓		1				



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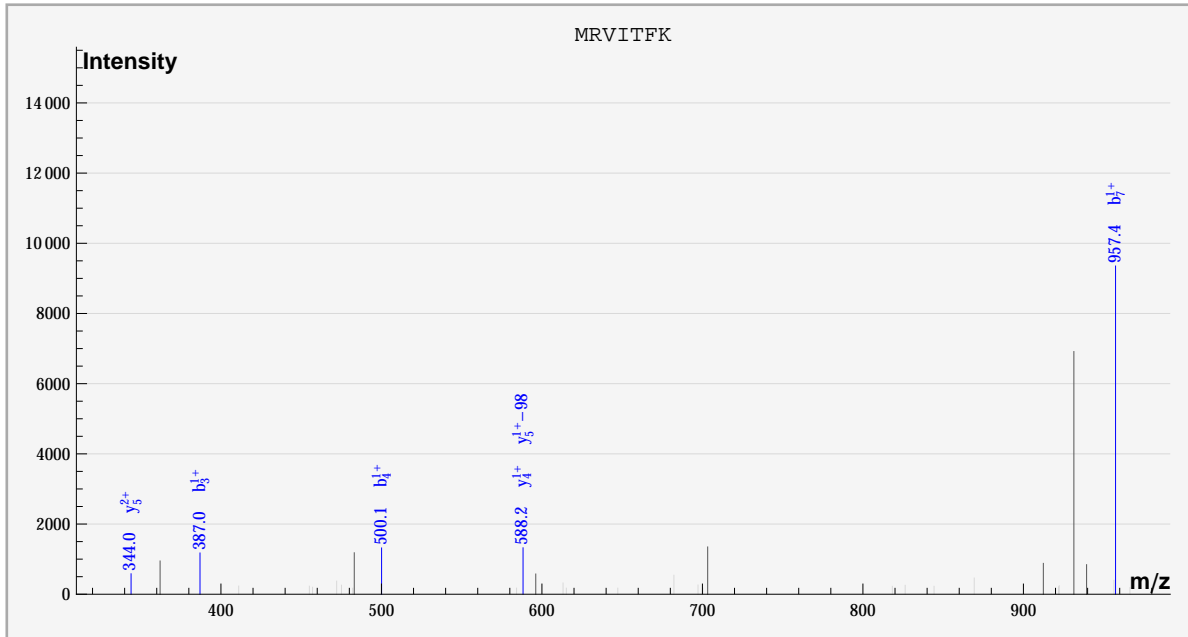
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G	2			7				
L	3	✓		6				
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V	5			4		✓		
T	6			3		✓		
S	7			2				
K	8	✓		1				



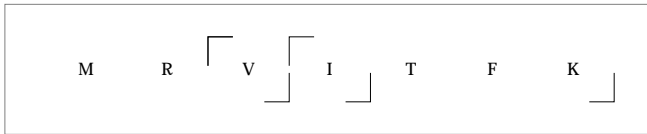


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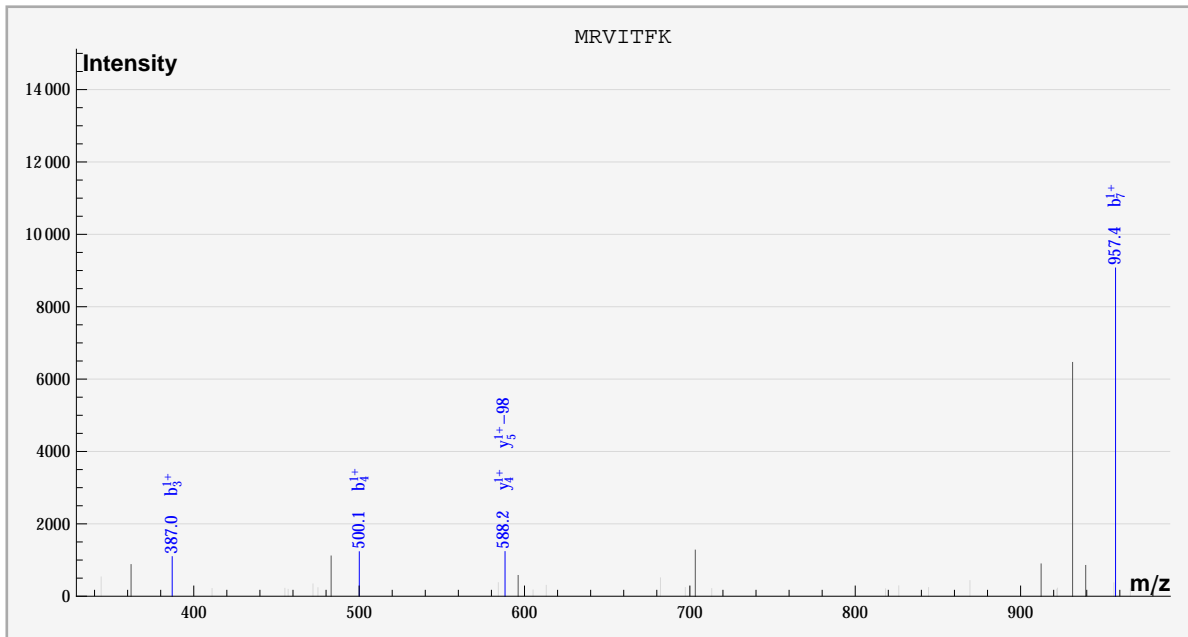


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R	2			6				
V	3	✓		5	✓	✓		
I	4	✓		4	✓			
T	5			3				
F	6			2				
K	7	✓		1				

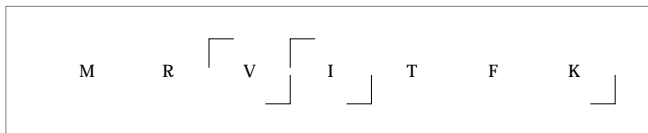


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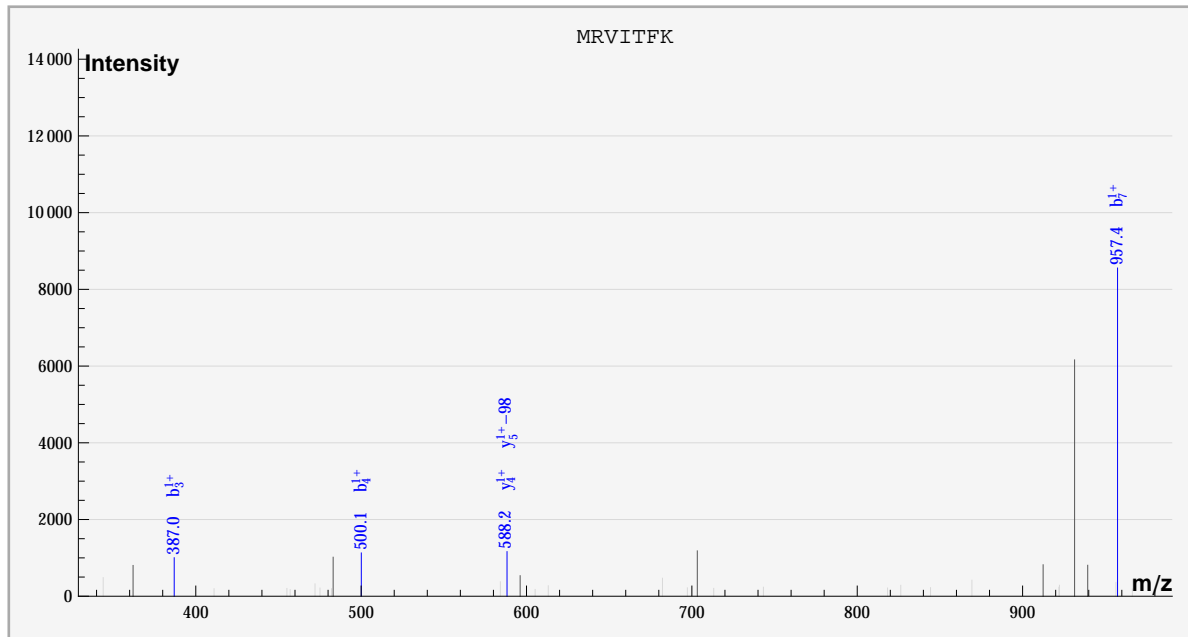


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R	2			6				
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I	4	✓		4	✓			
T	5			3				
F	6			2				
K	7	✓		1				

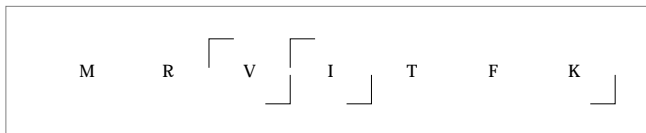


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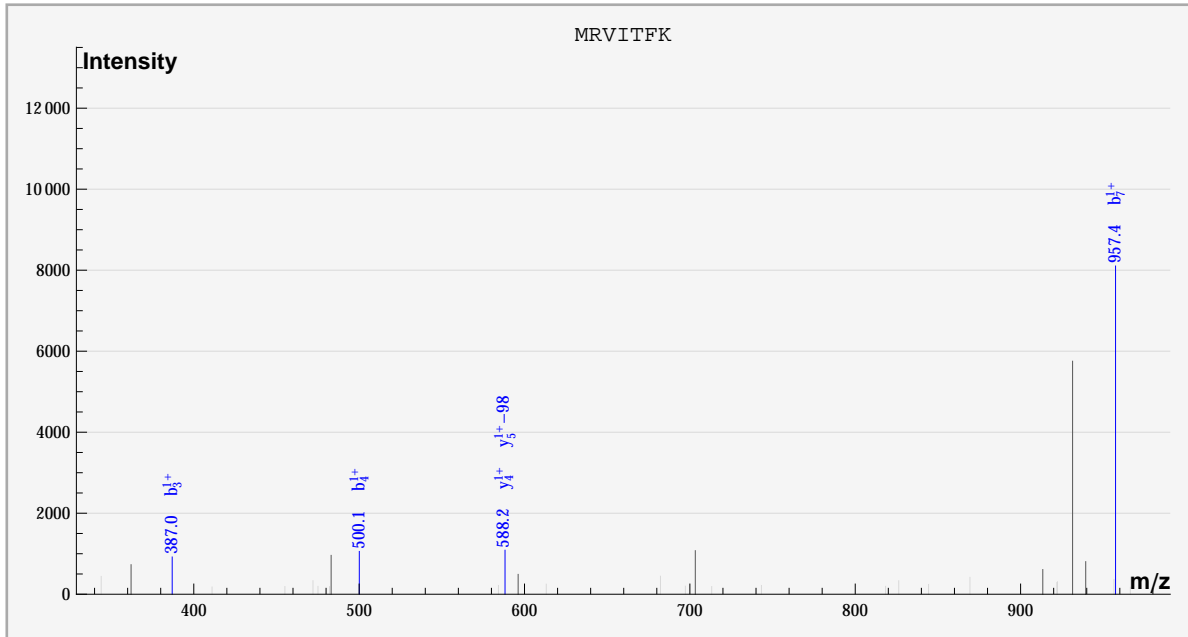


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R	2			6				
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I	4	✓		4	✓			
T	5			3				
F	6			2				
K	7	✓		1				

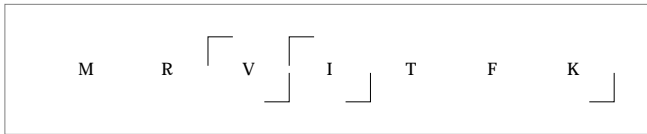


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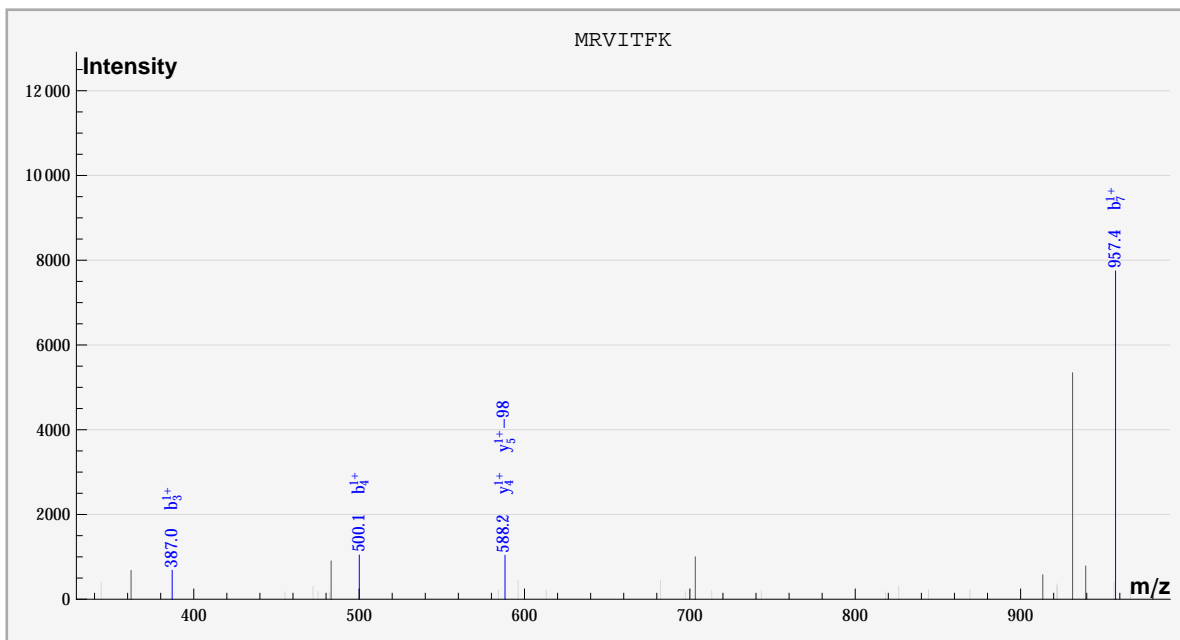


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R	2			6				
V	3	✓		5		✓		
I	4	✓		4	✓			
T	5			3				
F	6			2				
K	7	✓		1				

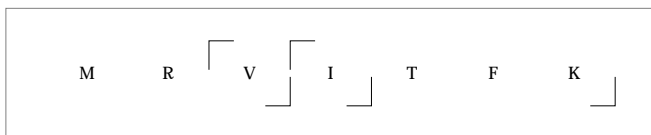


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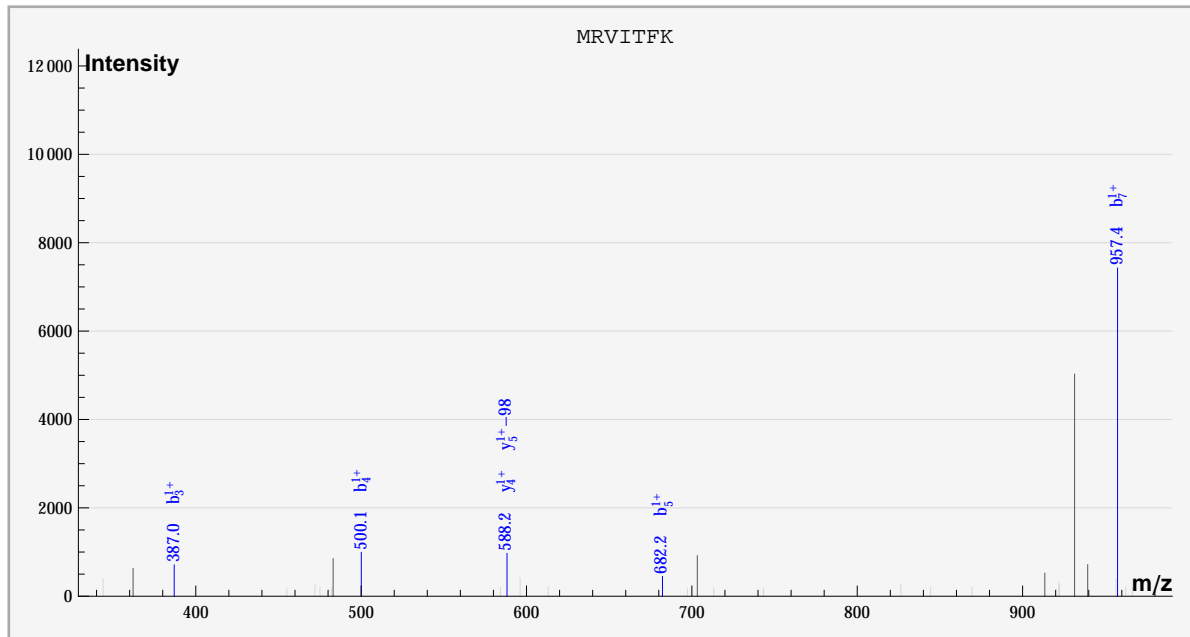


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R	2			6				
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I	4	✓		4	✓			
T	5			3				
F	6			2				
K	7	✓		1				

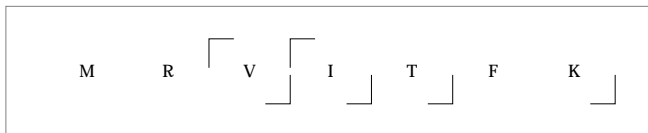


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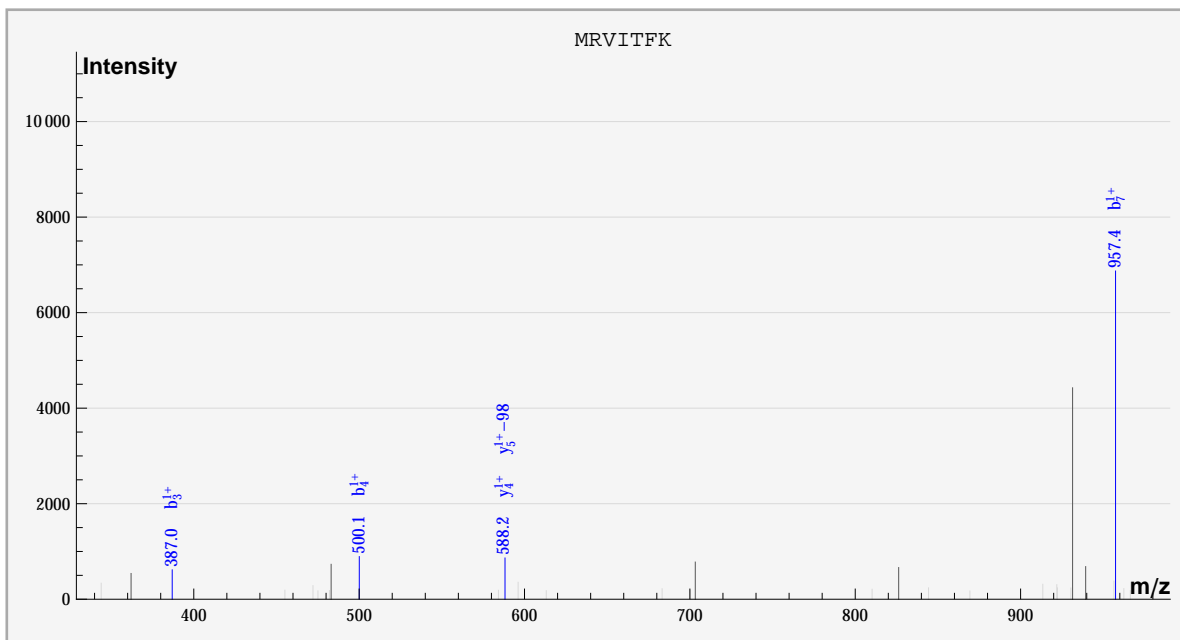


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R	2			6				
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I	4	✓		4	✓			
T	5	✓		3				
F	6			2				
K	7	✓		1				

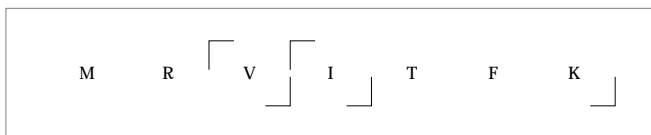


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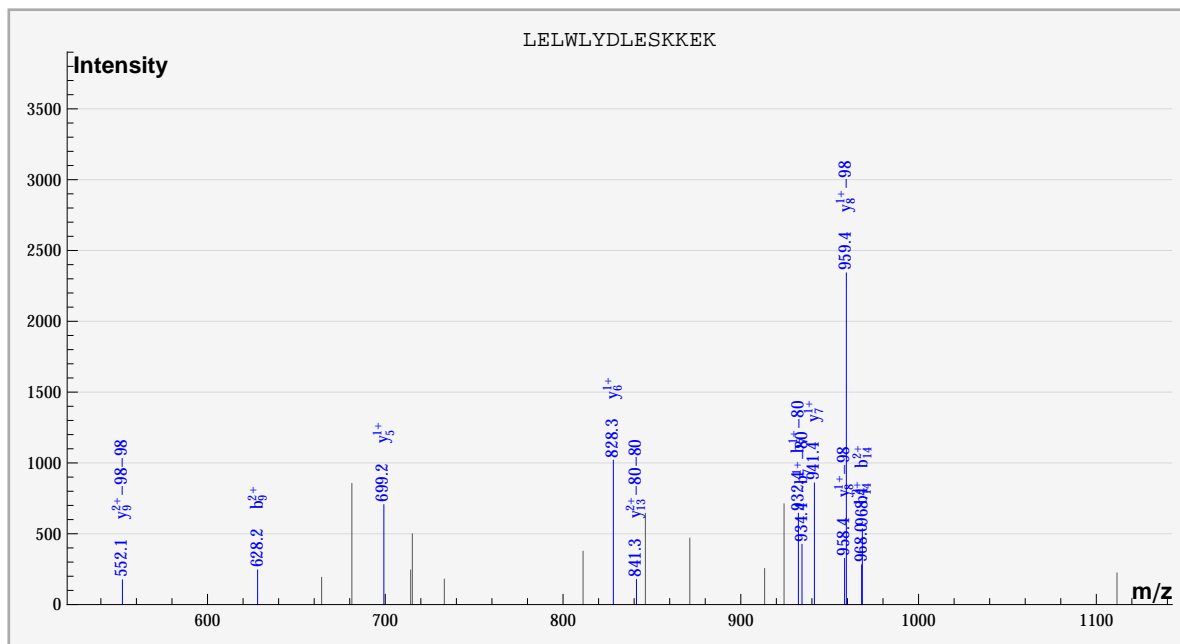
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R	2			6				
V	3	✓		5		✓		
I	4	✓		4	✓			
T	5			3				
F	6			2				
K	7	✓		1				



dbValid true LELWLYDLESKKEK PHOS(2) 2. 978. -0.545883 5.23634 100. ? 3174.  
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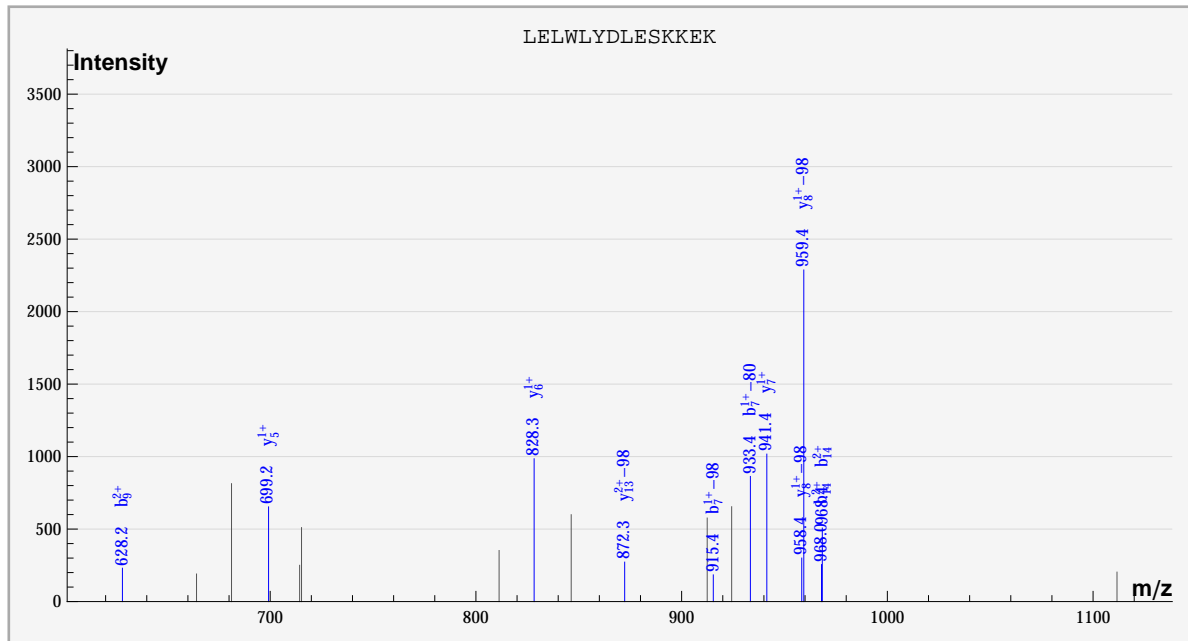
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E	2			13		✓		
L	3			12				
W	4			11				
L	5			10				
Y	6			9		✓		
D	7	✓		8		✓		
L	8			7	✓			
E	9	✓		6	✓			
S	10			5	✓			
K	11			4				
K	12			3				
E	13			2				
K	14	✓		1				

L [ E L W L [ Y [ D ] [ L [ E ] ] S K K E K ]



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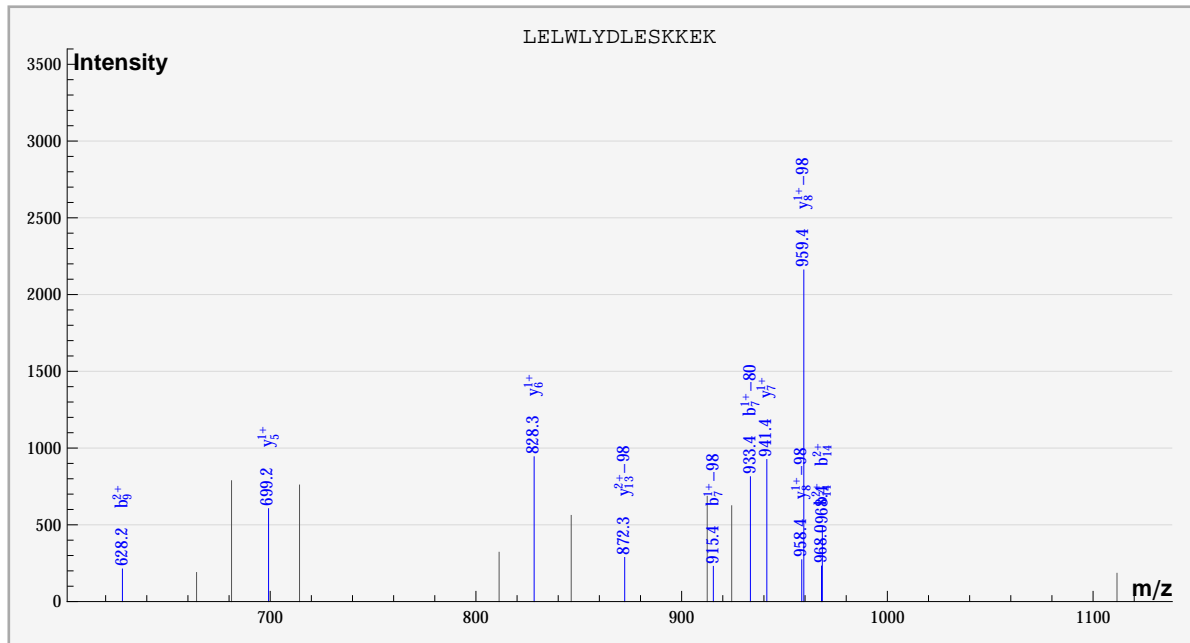
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E	2			13		✓		
L	3			12				
W	4			11				
L	5			10				
Y	6			9				
D	7		✓	8		✓		
L	8			7		✓		
E	9	✓		6		✓		
S	10			5		✓		
K	11			4				
K	12			3				
E	13			2				
K	14	✓		1				

L [ E L W L Y [ D ] [ L [ E ] S K K E K ]

dbValid true LELWLYDLESKKEK PHOS(2) 2. 978. -0.545883 5.19969 100. ? 3198.  
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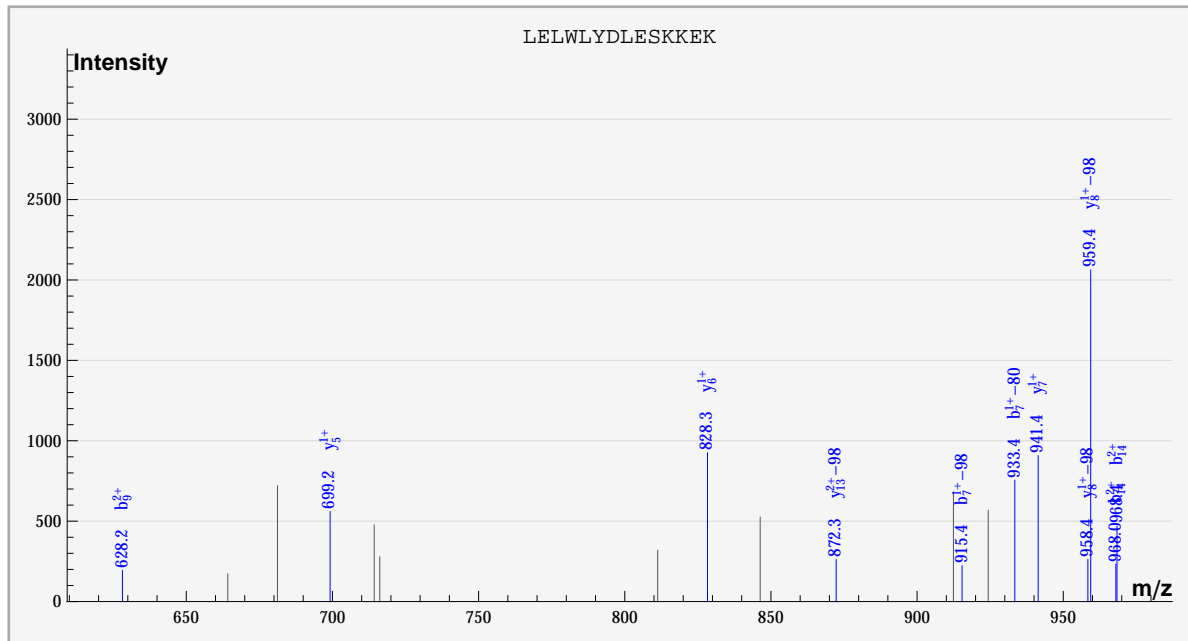


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E	2			13		✓		
L	3			12				
W	4			11				
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Y	6			9				
D	7		✓	8		✓		
L	8			7	✓			
E	9	✓		6	✓			
S	10			5	✓			
K	11			4				
K	12			3				
E	13			2				
K	14	✓		1				

L [ E L W L Y [ D ] [ L [ E ] S K K E K ]

dbValid true LELWLYDLESKKEK PHOS(2) 2. 978. -0.545883 5.25342 100. ? 3210.

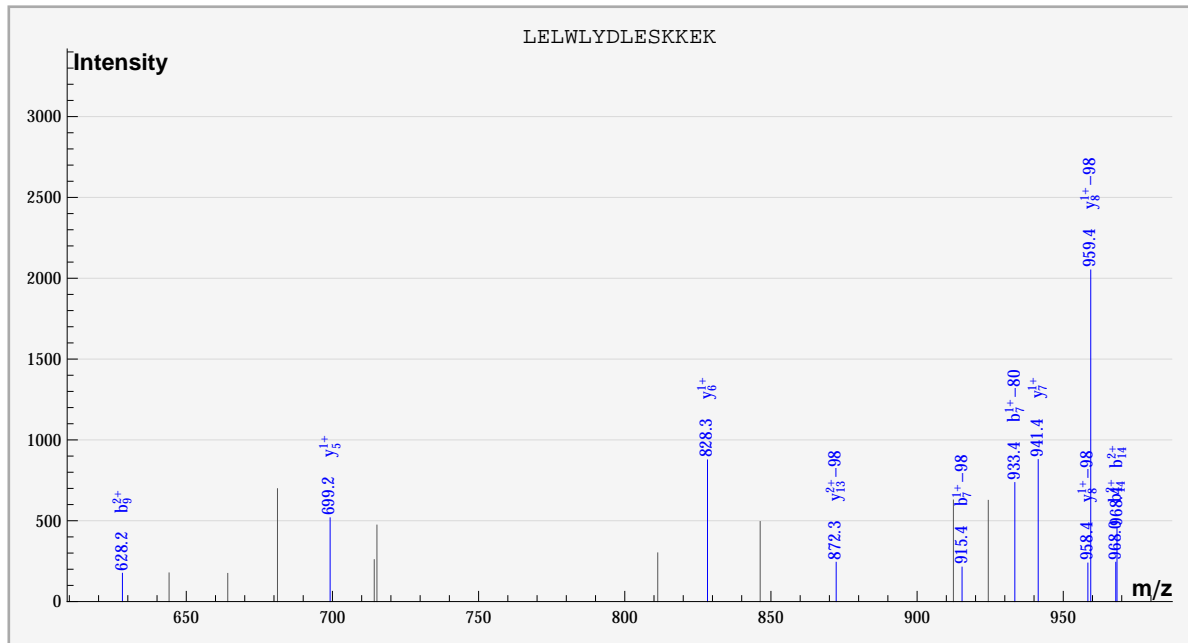
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E	2			13		✓		
L	3			12				
W	4			11				
L	5			10				
Y	6			9				
D	7		✓	8		✓		
L	8			7		✓		
E	9	✓		6		✓		
S	10			5		✓		
K	11			4				
K	12			3				
E	13			2				
K	14	✓		1				

L [ E L W L Y [ D ] [ L [ E ] S K K E K ]

dbValid true LELWLYDLESKKEK PHOS(2) 2. 978. -0.545883 5.21647 100. ? 3222.  
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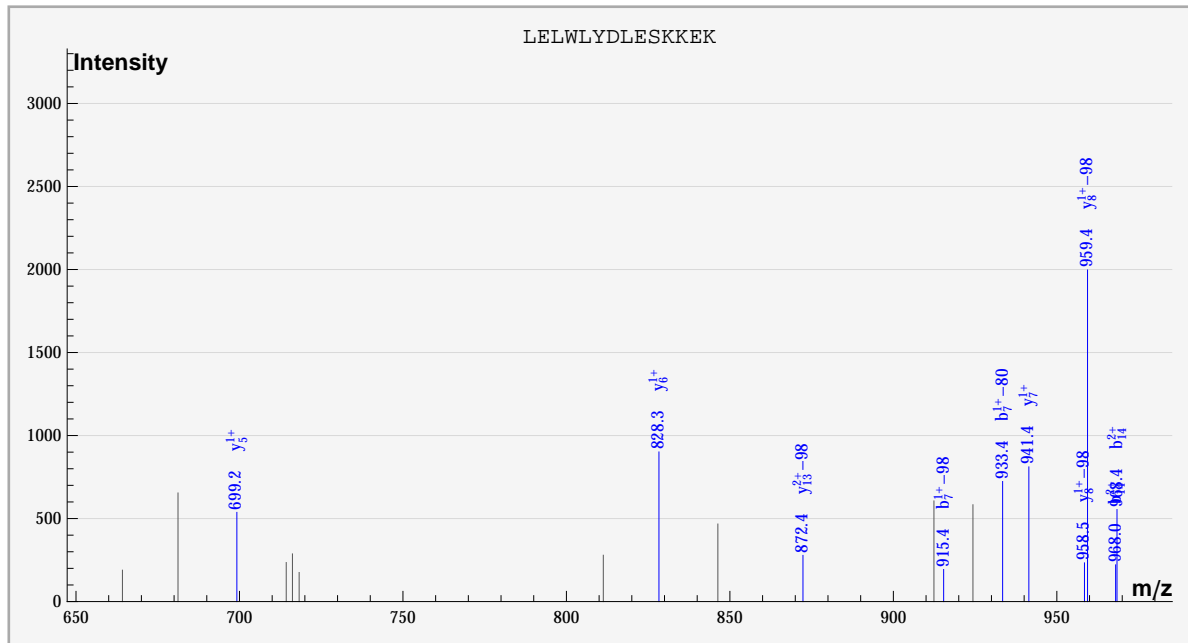


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L	3			12				
W	4			11				
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Y	6			9				
D	7		✓	8		✓		
L	8			7		✓		
E	9	✓		6		✓		
S	10			5		✓		
K	11			4				
K	12			3				
E	13			2				
K	14	✓		1				

L [ E L W L Y [ D ] [ L [ E ] S K K E K ]

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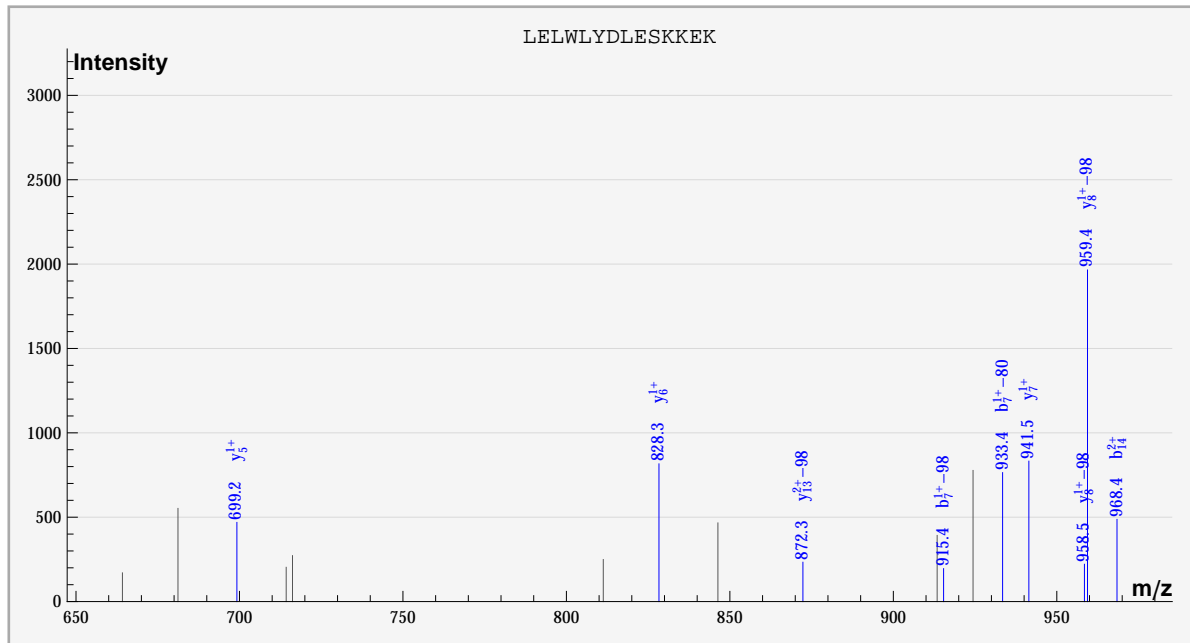
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	#	b	b*	#	y	y*	P	P*
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E	2			13		✓		
L	3			12				
W	4			11				
L	5			10				
Y	6			9				
D	7	✓		8		✓		
L	8			7	✓			
E	9			6	✓			
S	10			5	✓			
K	11			4				
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E	13			2				
K	14	✓		1				

L [ E L W L Y [ D ] [ L [ E [ S K K E K ] ] ]

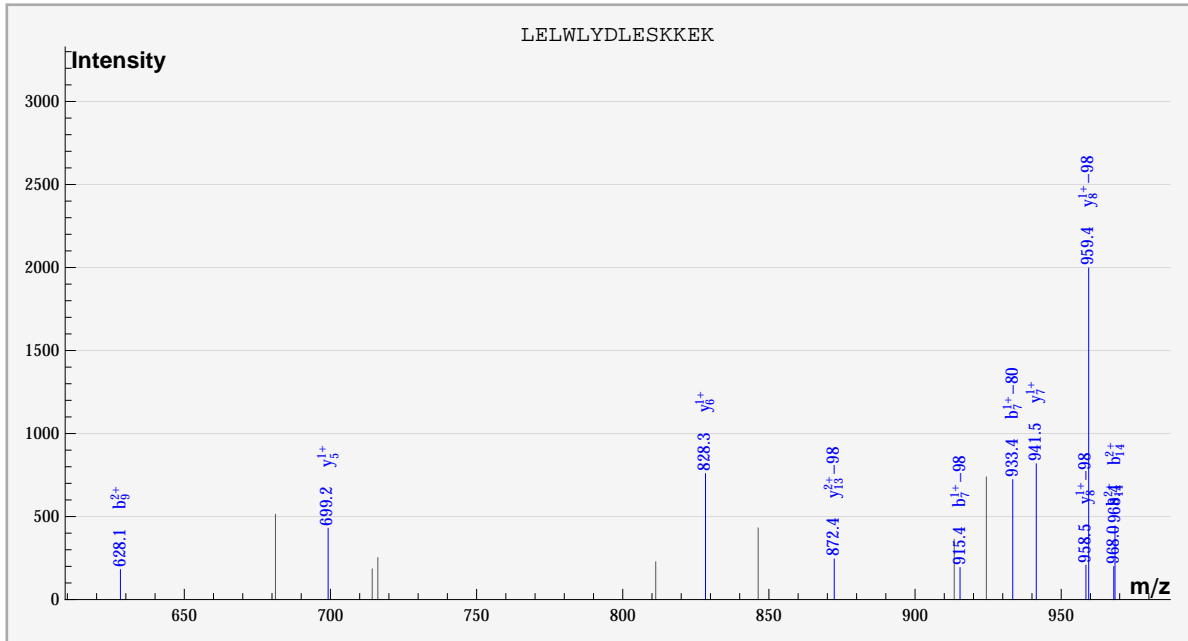
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	#	b	b*	#	y	y*	P	P*
L	1							
E	2			13		✓		
L	3			12				
W	4			11				
L	5			10				
Y	6			9				
D	7	✓		8		✓		
L	8			7	✓			
E	9			6	✓			
S	10			5	✓			
K	11			4				
K	12			3				
E	13			2				
K	14	✓		1				

L [ E L W L Y [ D ] [ L [ E [ S K K E K ] ] ]

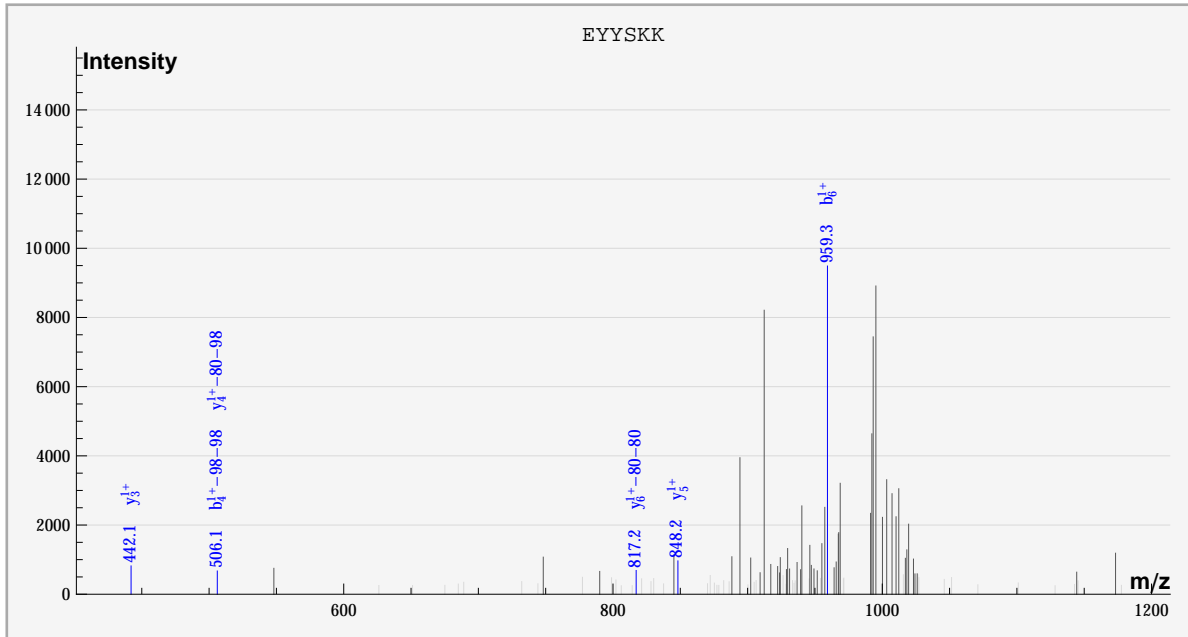
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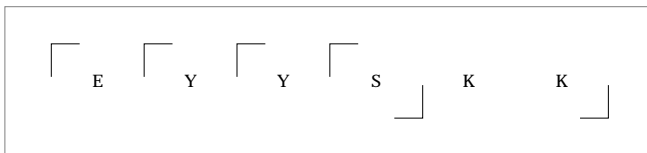
	#	b	b*	#	y	y*	P	P*
L	1							
E	2			13		✓		
L	3			12				
W	4			11				
L	5			10				
Y	6			9				
D	7		✓	8		✓		
L	8			7		✓		
E	9	✓		6		✓		
S	10			5		✓		
K	11			4				
K	12			3				
E	13			2				
K	14	✓		1				

L [ E L W L Y [ D ] [ L [ E ] S K K E K ]

dbValid true EYYSKK PHOS(2) 1. 979. -1.65835 5.90084 100. ? 1614.  
 S\_Acido\_new%gi|68568117|gb|AAY81046.1| EYYSKK%:::PHOS:PHOS%:::sample\_0%compd\_329

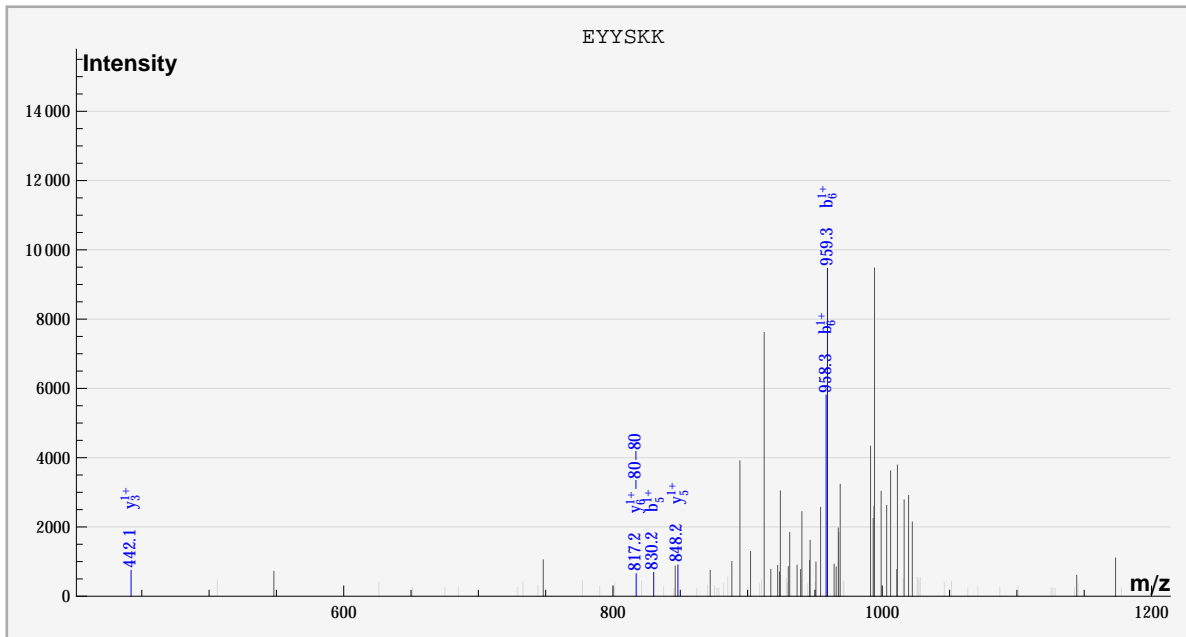


	#	b	b*	#	y	y*	P	P*
E	1							✓
Y	2			5	✓			
Y	3			4		✓		
S	4	✓		3	✓			
K	5			2				
K	6	✓		1				

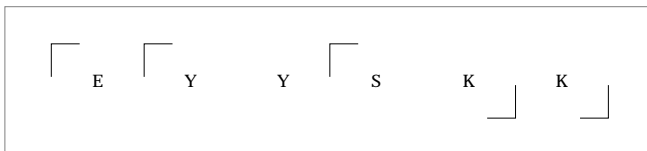




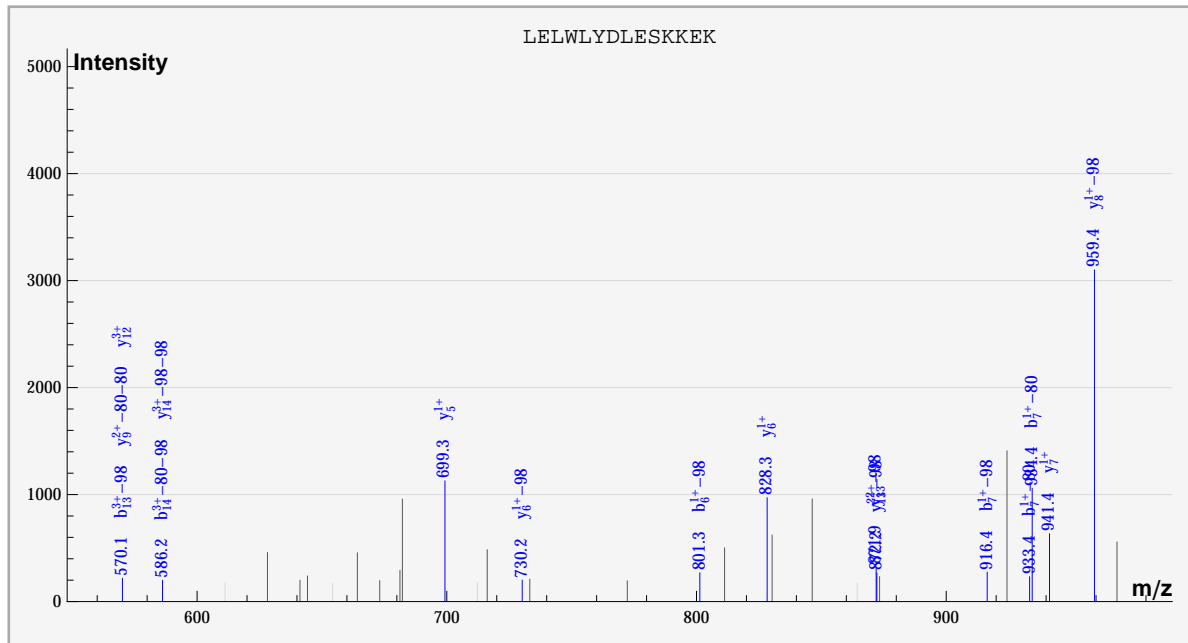
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 S\_Acido\_new%gi|68568117|gb|AAY81046.1| EYYSKK%:::PHOS:PHOS:::sample\_0%compd\_339



	#	b	b*	#	y	y*	P	P*
E	1							✓
Y	2			5	✓			
Y	3			4				
S	4			3	✓			
K	5	✓		2				
K	6	✓		1				



dbValid true LELWLYDLESKKEK PHOS(2) 2. 979. -1.54588 5.10943 100. ? 3102.  
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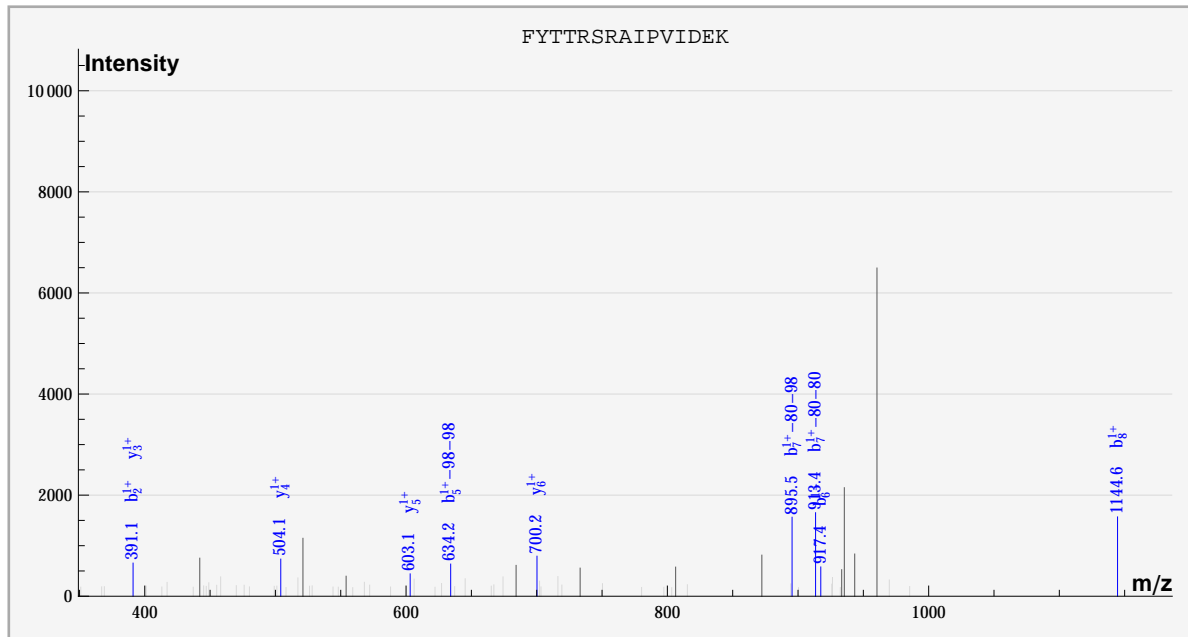


	#	b	b*	#	y	y*	P	P*
L	1							✓
E	2			13		✓		
L	3			12	✓			
W	4			11				
L	5			10				
Y	6	✓		9		✓		
D	7	✓		8		✓		
L	8			7	✓			
E	9			6	✓	✓		
S	10			5	✓			
K	11			4				
K	12			3				
E	13	✓		2				
K	14	✓		1				

「 L 「 E 「 L W L 「 Y 」 「 D 」 「 L 「 E 「 S K K E 」 K 」

dbValid true FYTTRSRAIPVIDEK PHOS(2) 2. 980. -1.54501 5.13914 100. ? 2346.

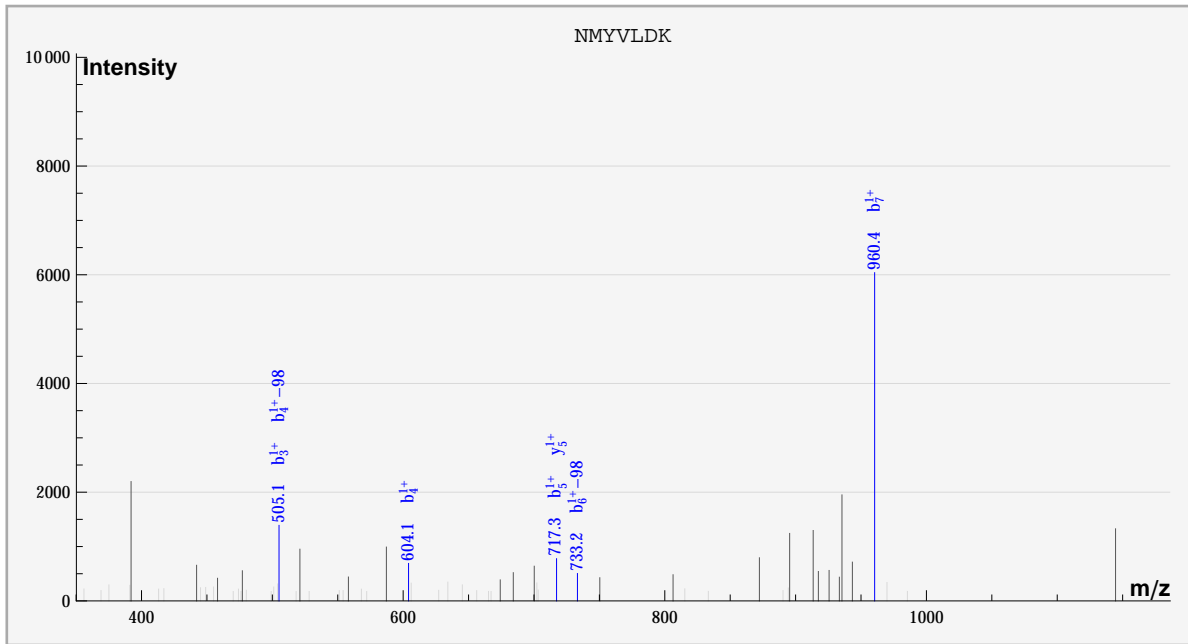
S\_Acido\_new%gi|68566702|gb|AA79631.1| FYTTRSRAIPVIDEK%::PHOS:PHOS:.....%sample\_2%cmpd\_941



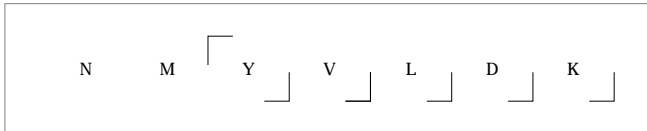
	#	b	b*	#	y	y*	P	P*
F	1							
Y	2	✓		14				
T	3			13				
T	4			12				
R	5		✓	11				
S	6	✓		10				
R	7		✓	9				
A	8	✓		8				
I	9			7				
P	10			6	✓			
V	11			5	✓			
I	12			4	✓			
D	13			3	✓			
E	14			2				
K	15			1				

F Y T T R S R A I P V I D E K

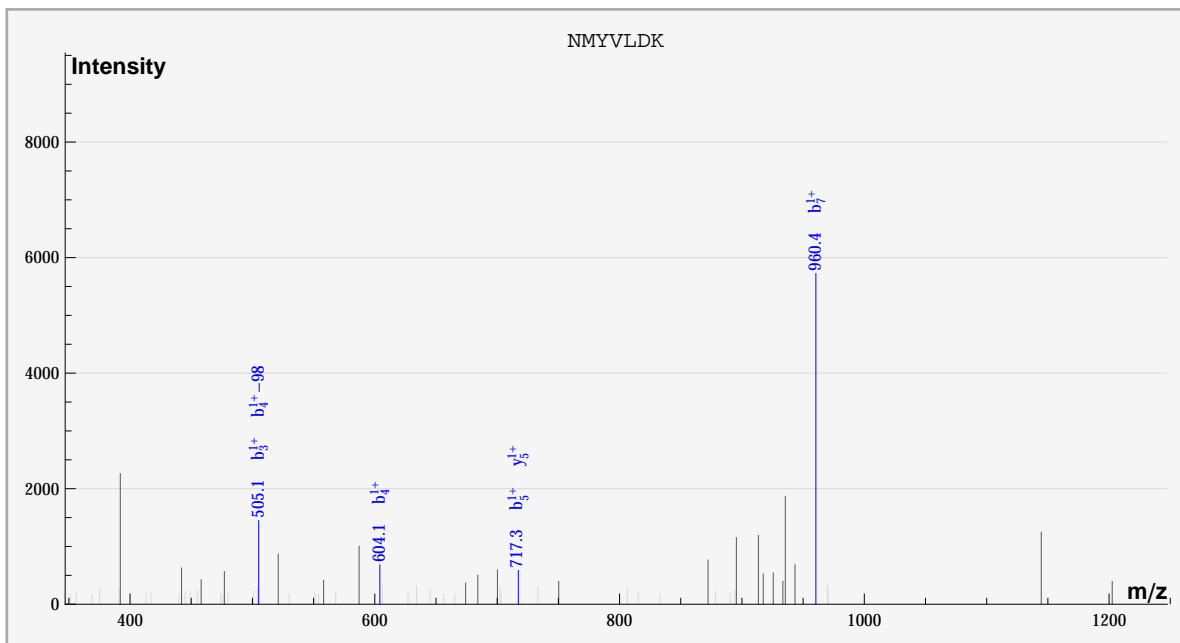
dbValid true NMYVLDK Oxidation\_M(1),PHOS(1) 1. 980. -1.59983 6.1418 100. ? 2382.  
 S\_Acido\_new%gil68567414|gb|AAY80343.1| NMYVLDK%::Oxidation\_M:PHOS:::%sample\_2%compd\_971



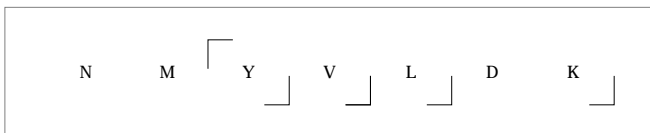
	#	b	b*	#	y	y*	P	P*
N	1							
M	2			6				
Y	3	✓		5	✓			
V	4	✓	✓	4				
L	5	✓		3				
D	6		✓	2				
K	7	✓		1				



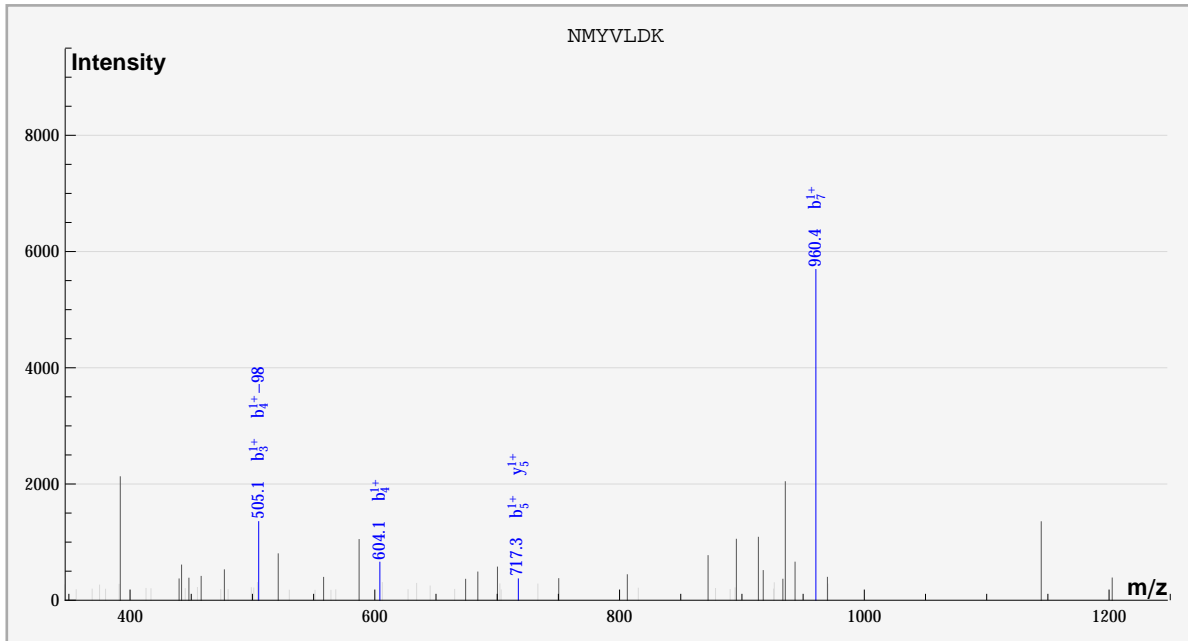
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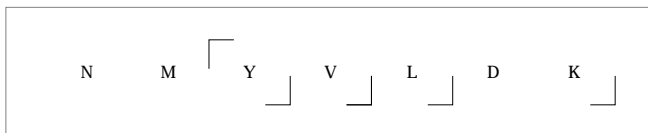
	#	b	b*	#	y	y*	P	P*
N	1							
M	2			6				
Y	3	✓		5	✓			
V	4	✓	✓	4				
L	5	✓		3				
D	6			2				
K	7	✓		1				



dbValid true NMYVLDK Oxidation\_M(1),PHOS(1) 1. 980. -1.59983 5.92878 100. ? 2406.  
 S\_Acido\_new%gil68567414|gb|AAY80343.1| NMYVLDK%::Oxidation\_M:PHOS:::%sample\_2%compd\_991

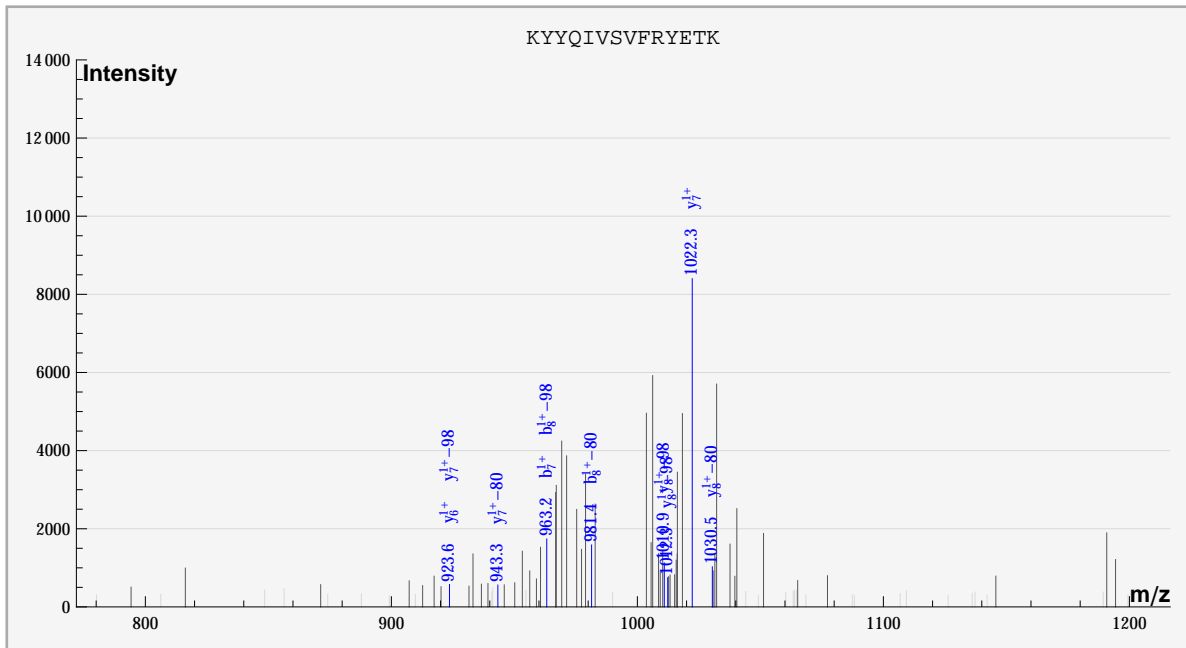


	#	b	b*	#	y	y*	P	P*
N	1							
M	2			6				
Y	3	✓		5	✓			
V	4	✓	✓	4				
L	5	✓		3				
D	6			2				
K	7	✓		1				



dbValid true KYYQIVSVFRYETK PHOS(2) 2. 991. 1.45446 5.19194 100. ? 3648.

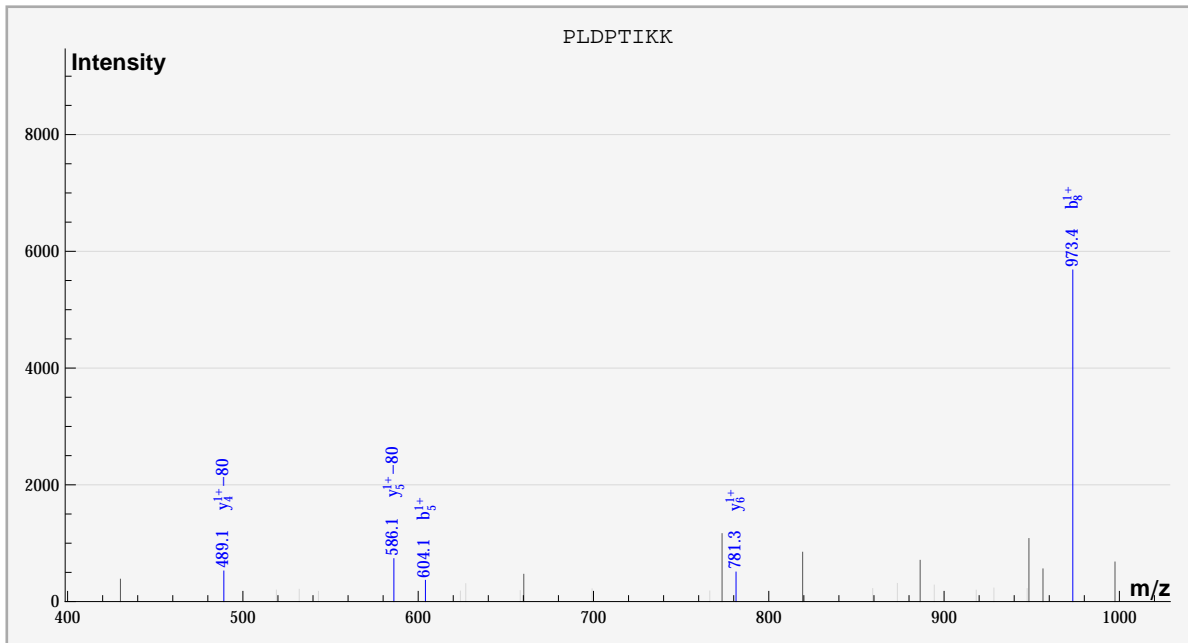
S\_Acido\_new%gi|68567937|gb|AA80866.1| KYYQIVSVFRYETK%::PHOS:::PHOS:::sample\_1%compd\_2152



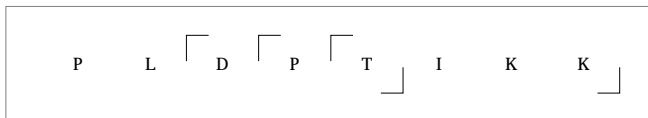
	#	b	b*	#	y	y*	P	P*
K	1							
Y	2			13				
Y	3			12				
Q	4			11				
I	5			10				
V	6			9				
S	7	✓		8		✓		
V	8		✓	7	✓	✓		
F	9			6	✓			
R	10			5				
Y	11			4				
E	12			3				
T	13			2				
K	14			1				

K Y Y Q I V S V F R Y E T K

dbValid true PLDPTIKK PHOS(1) 1. 993. -1.47767 5.15701 100. ? 2202.  
 S\_Acido\_new%gi|68567539|gb|AAY80468.1| PLDPTIKK%:::PHOS:::%sample\_3%cmpd\_817

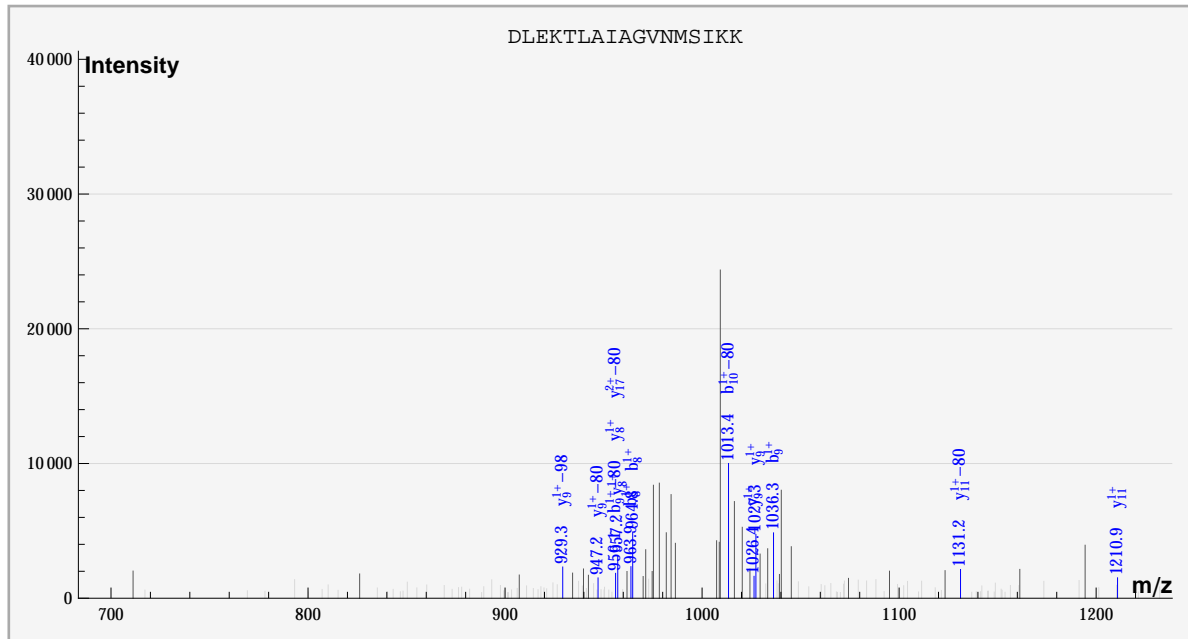


	#	b	b*	#	y	y*	P	P*
P	1							
L	2			7				
D	3			6	✓			
P	4			5		✓		
T	5	✓		4		✓		
I	6			3				
K	7			2				
K	8	✓		1				





dbValid true DLEKTLAIAGVNMSIKK PHOS(2) 2. 995. 0.987802 5.36893 100. ? 2790.  
 S\_Acido\_new%gi68568394|gb|AAY81323.1| DLEKTLAIAGVNMSIKK%::::PHOS::::PHOS::::%sample\_1%compd\_1412



	#	b	b*	#	y	y*	P	P*
D	1							✓
L	2			16				
E	3			15				
K	4			14				
T	5			13				
L	6			12				
A	7			11	✓	✓		
I	8	✓		10				
A	9	✓	✓	9	✓	✓		
G	10		✓	8	✓			
V	11			7				
N	12			6				
M	13			5				
S	14			4				
I	15			3				
K	16			2				
K	17			1				

[D L E K T L [A I ] [A ] [G ] V N M S I K K

