

Figure S1. Reproducible peak area and retention times and good correlation between peak area and concentration are observed for peptides from casein.

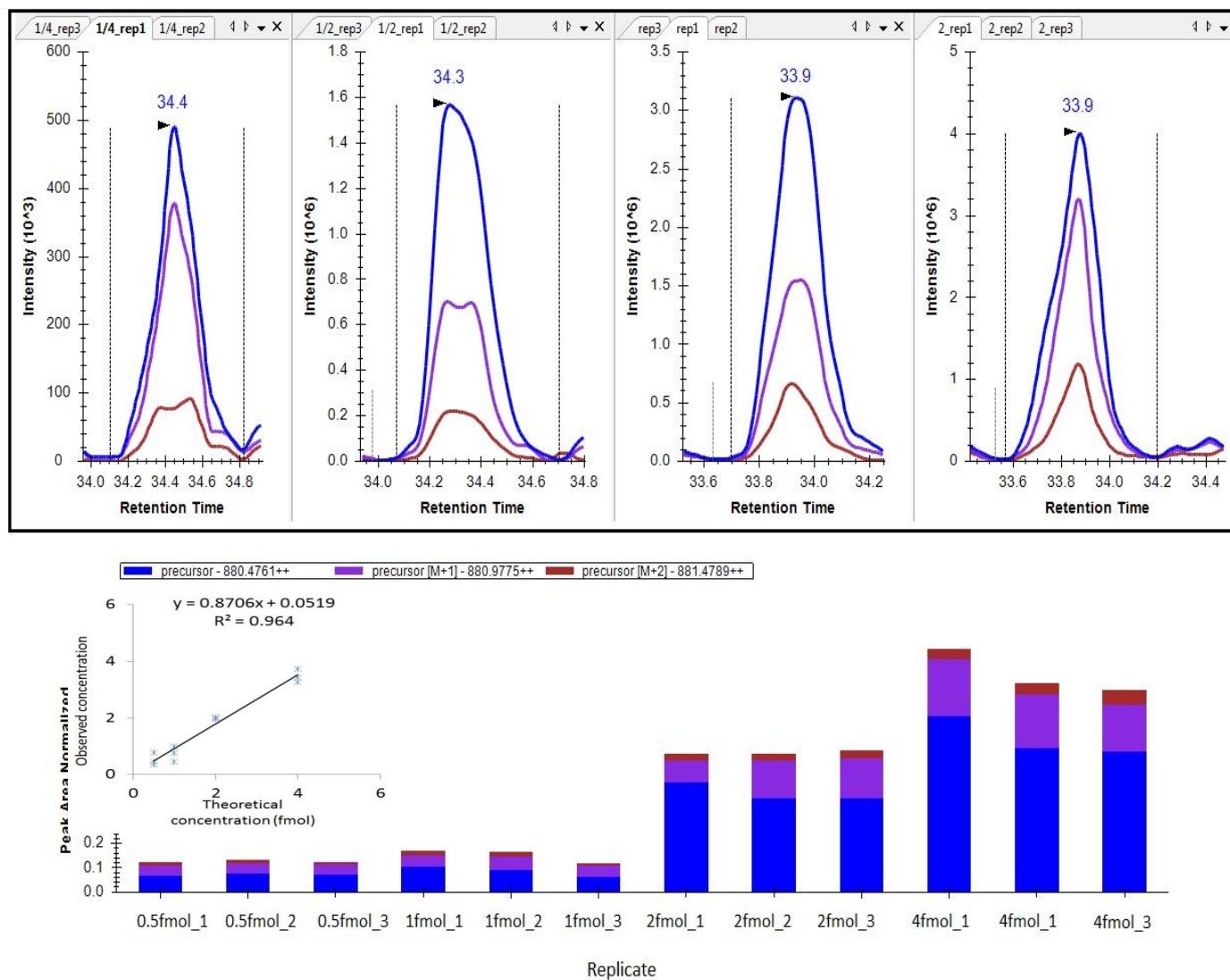
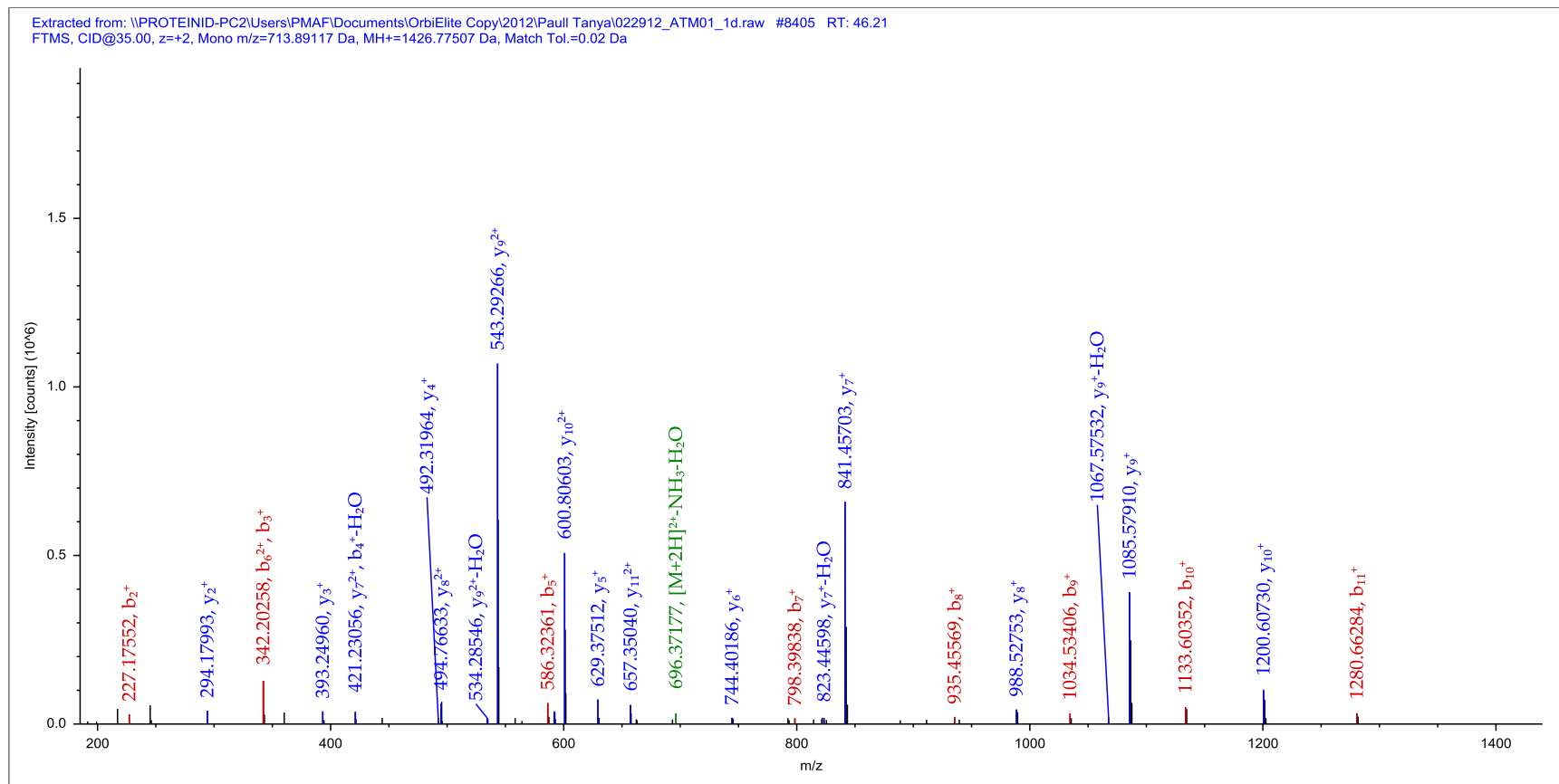


Figure S2. MS/MS from ATM and PRMT5 internal reference, sulfinic and sulfonic acid peptides. A, internal reference and modified peptides used for MS1 quantitation B, all other modified peptides with Cys number from peptide sequence

A, internal reference and
modified peptides used for MS1
quantitation

ATM LLDPPDPHVVK

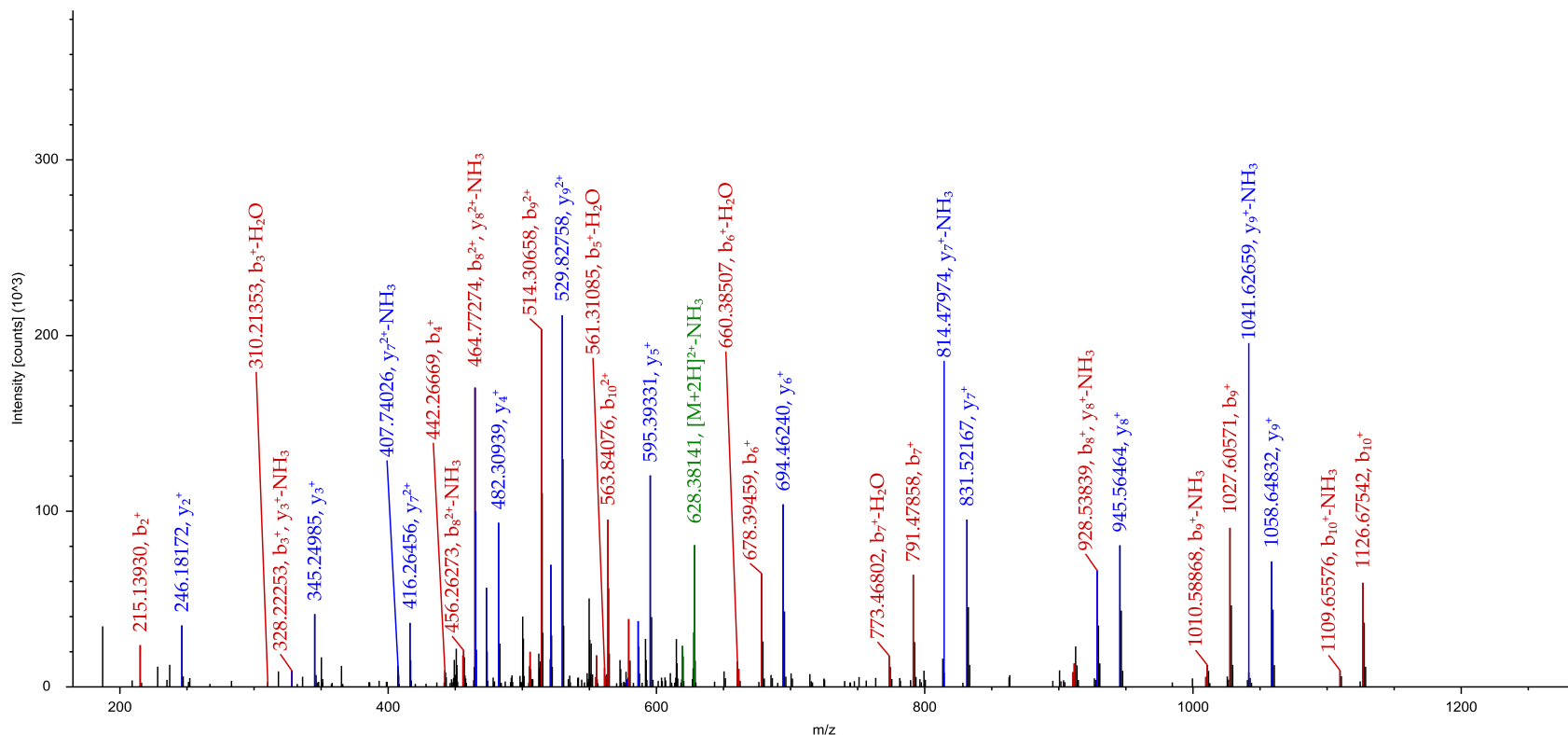
internal reference peptide



ATM TILNHVLHVVK

internal reference peptide

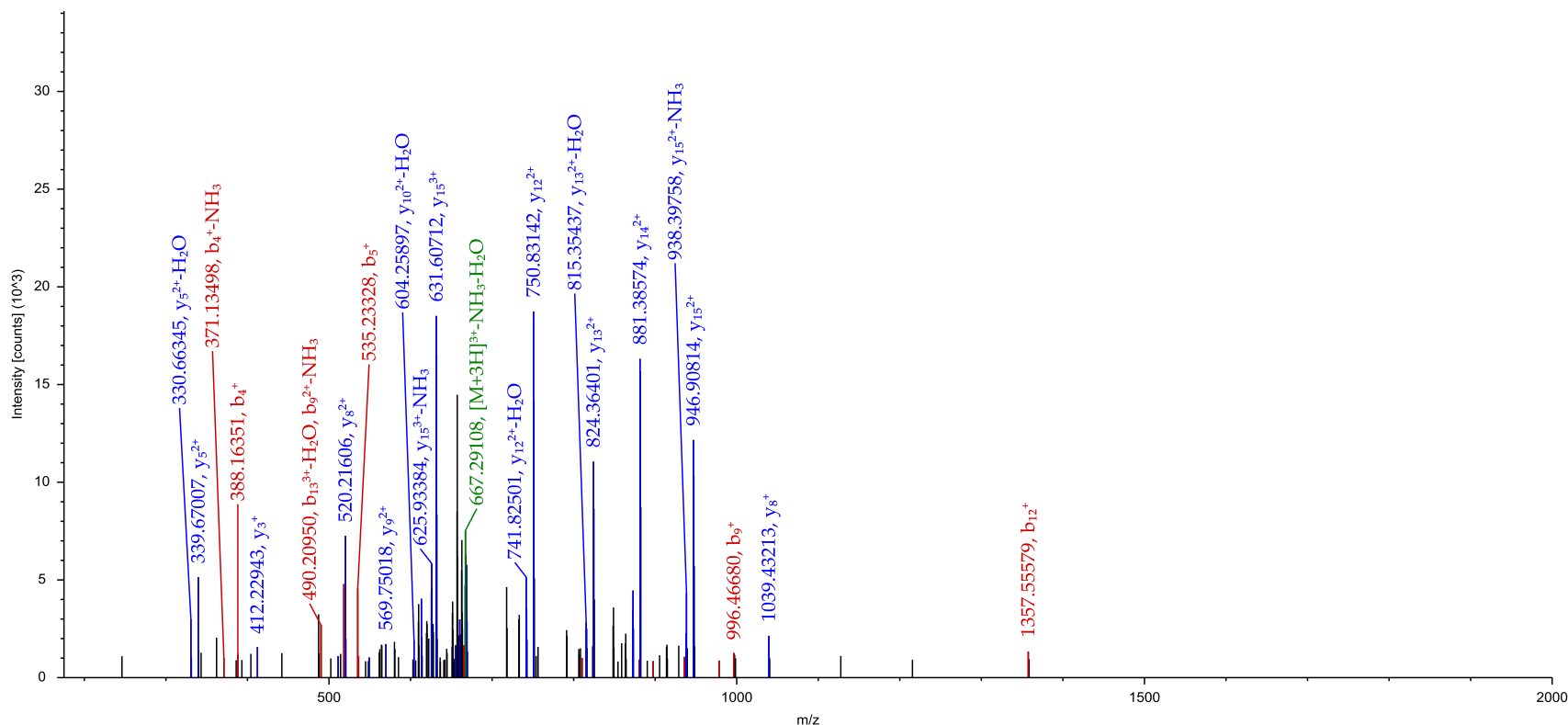
Extracted from: \\PROTEINID-PC2\\Users\\PMAF\\Documents\\OrbiElite Copy\\2012\\Paul\\Tanya\\040312_ATM02_1d.raw #4238 RT: 31.11
FTMS, CID@35.00, z=+2, Mono m/z=636.89264 Da, MH+=1272.77800 Da, Match Tol.=0.02 Da



ATM AAMNFFQSVPECHHQK

Cys633 sulfinic acid

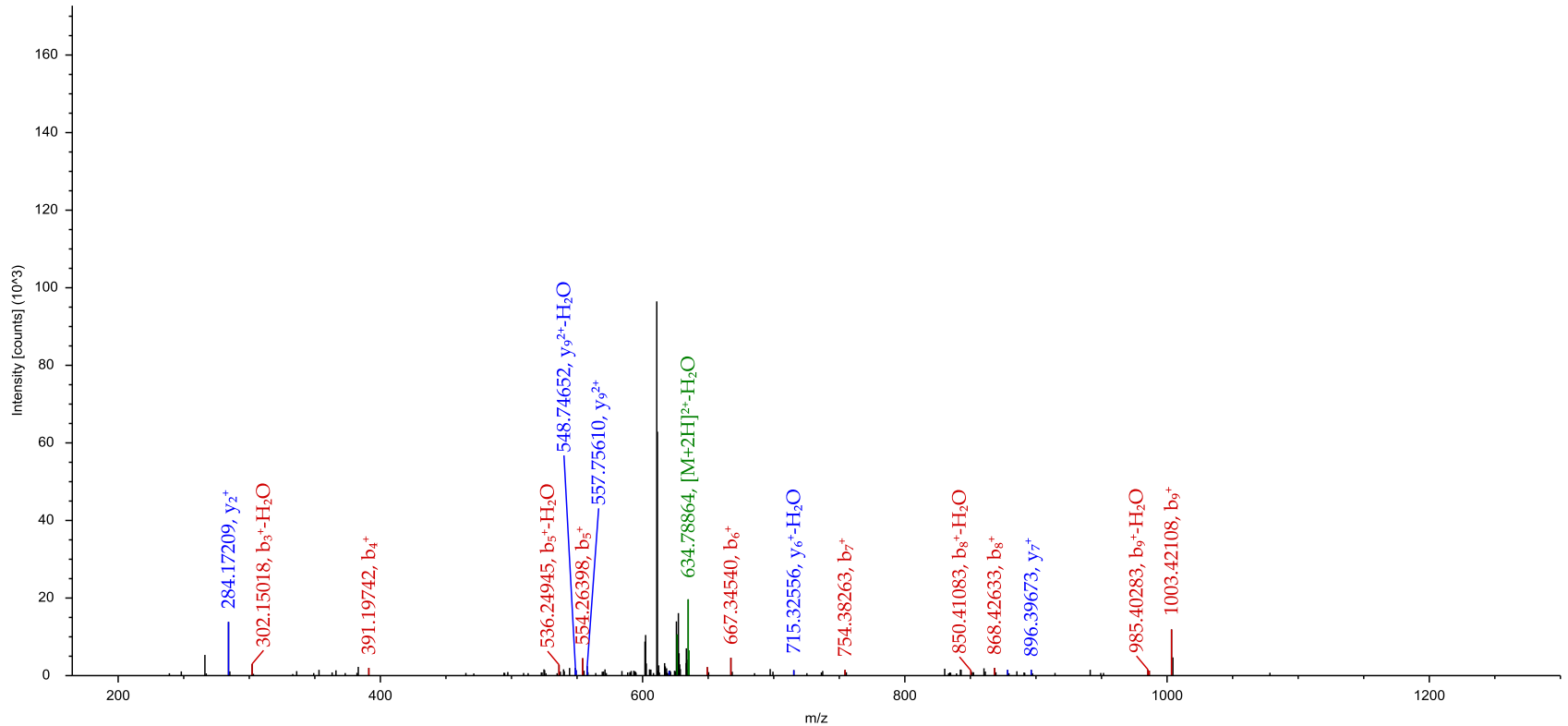
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\022912_ATM02_1d.raw #6110 RT: 36.42
FTMS, CID@35.00, z=+3, Mono m/z=678.96417 Da, MH+=2034.87796 Da, Match Tol.=0.02 Da



ATM ATFAYISNCHK

Cys1396 sulfinic acid

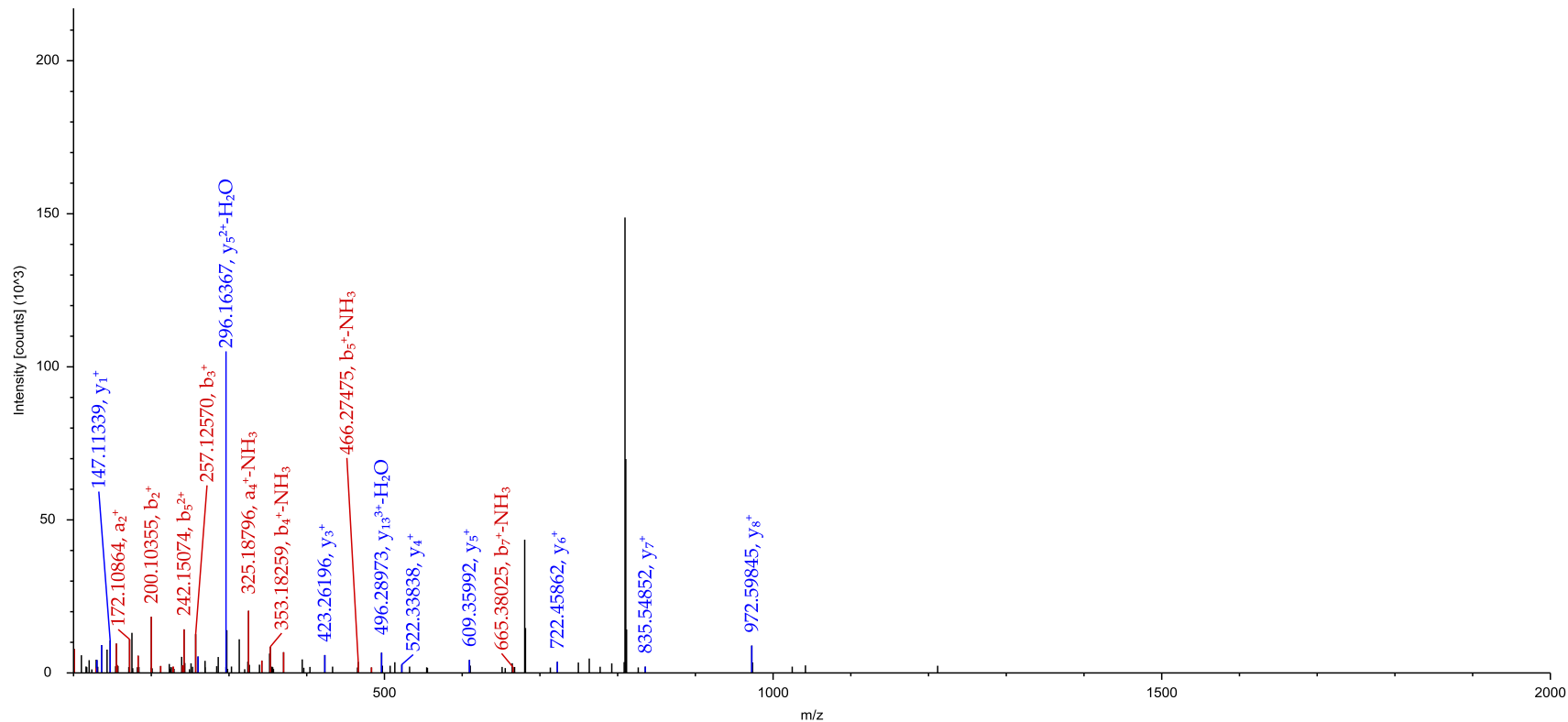
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\022912_ATM02_1d.raw #4314 RT: 29.58
FTMS, CID@35.00, z=+2, Mono m/z=643.79620 Da, MH+=1286.58513 Da, Match Tol.=0.02 Da



ATM QAGIIQALQNLGLCHILSVYLK

Cys2074 sulfinic acid

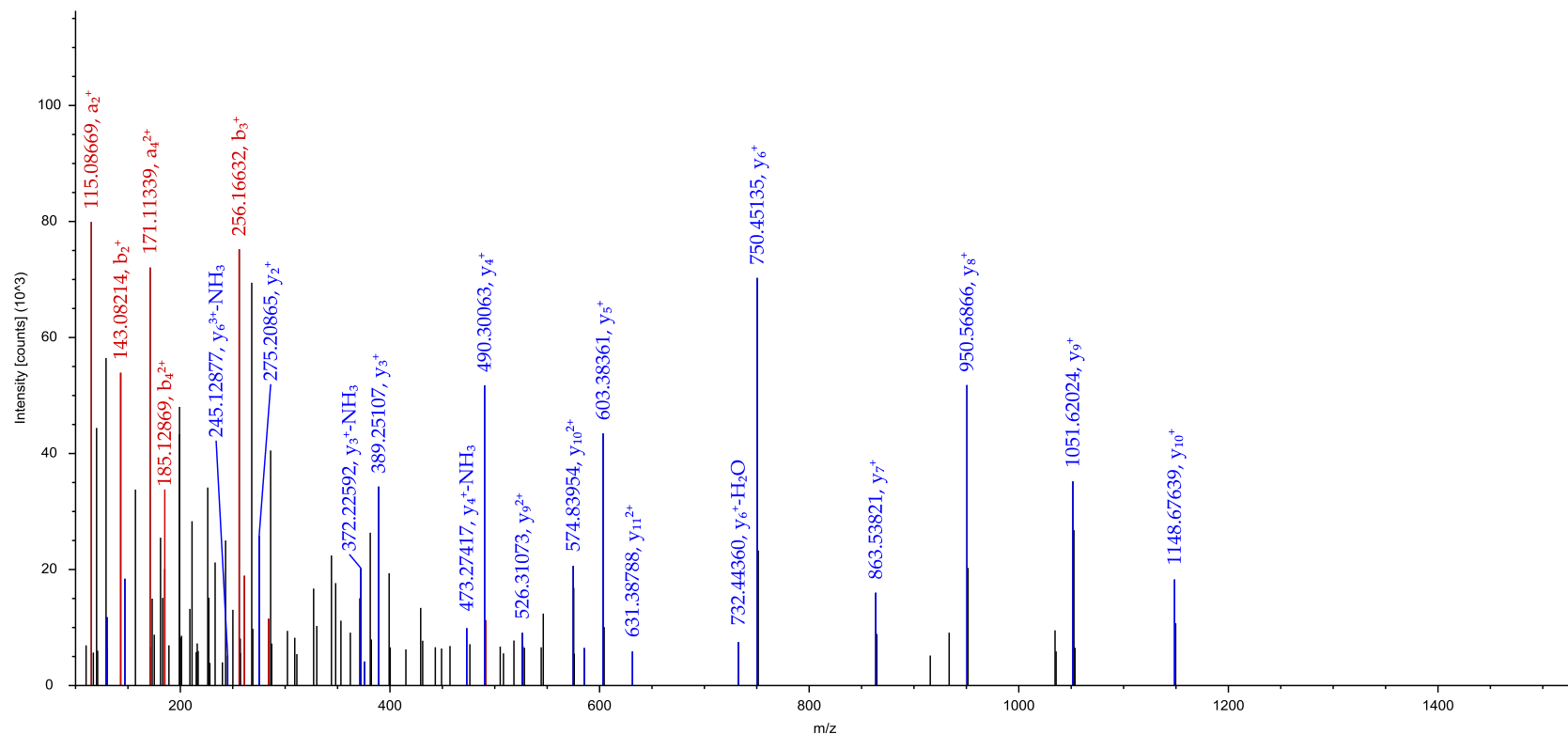
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\022912_ATM02_2.raw #16720 RT: 62.56
FTMS, HCD@35.00, z=+3, Mono m/z=809.7888 Da, MH+=2427.35208 Da, Match Tol.=0.02 Da



PRMT5 AAILPTSIFLTNKK

internal reference peptide

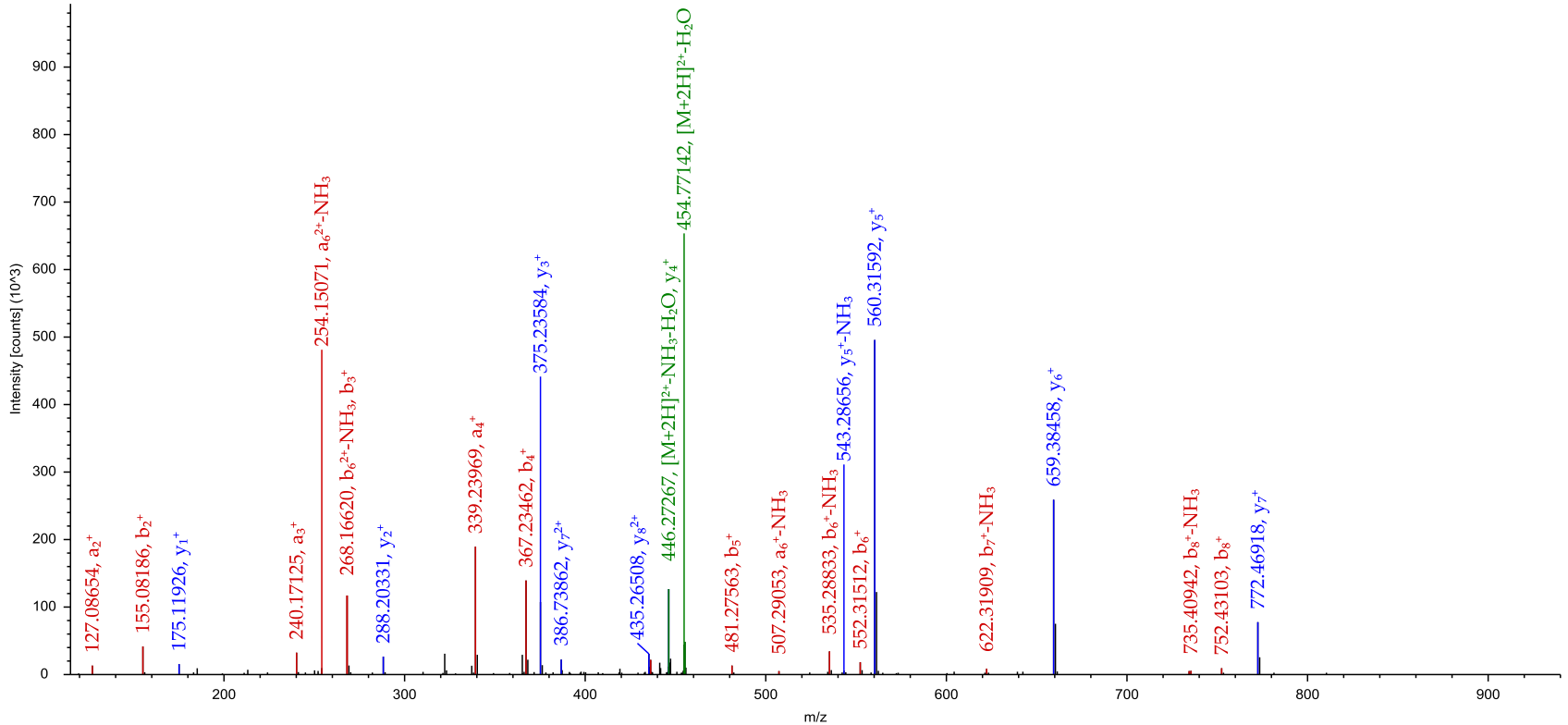
Extracted from: \\PROTEINID-PC2\Users\PMAP\Documents\OrbiElite Copy\2012\Pauli Tanya\022912_ATM02_1.raw #11353 RT: 44.82
FTMS, HCD@35.00, z=+3, Mono m/z=506.30954 Da, MH+=1516.91407 Da, Match Tol.=0.02 Da



PRMT5 GPLVNASLR

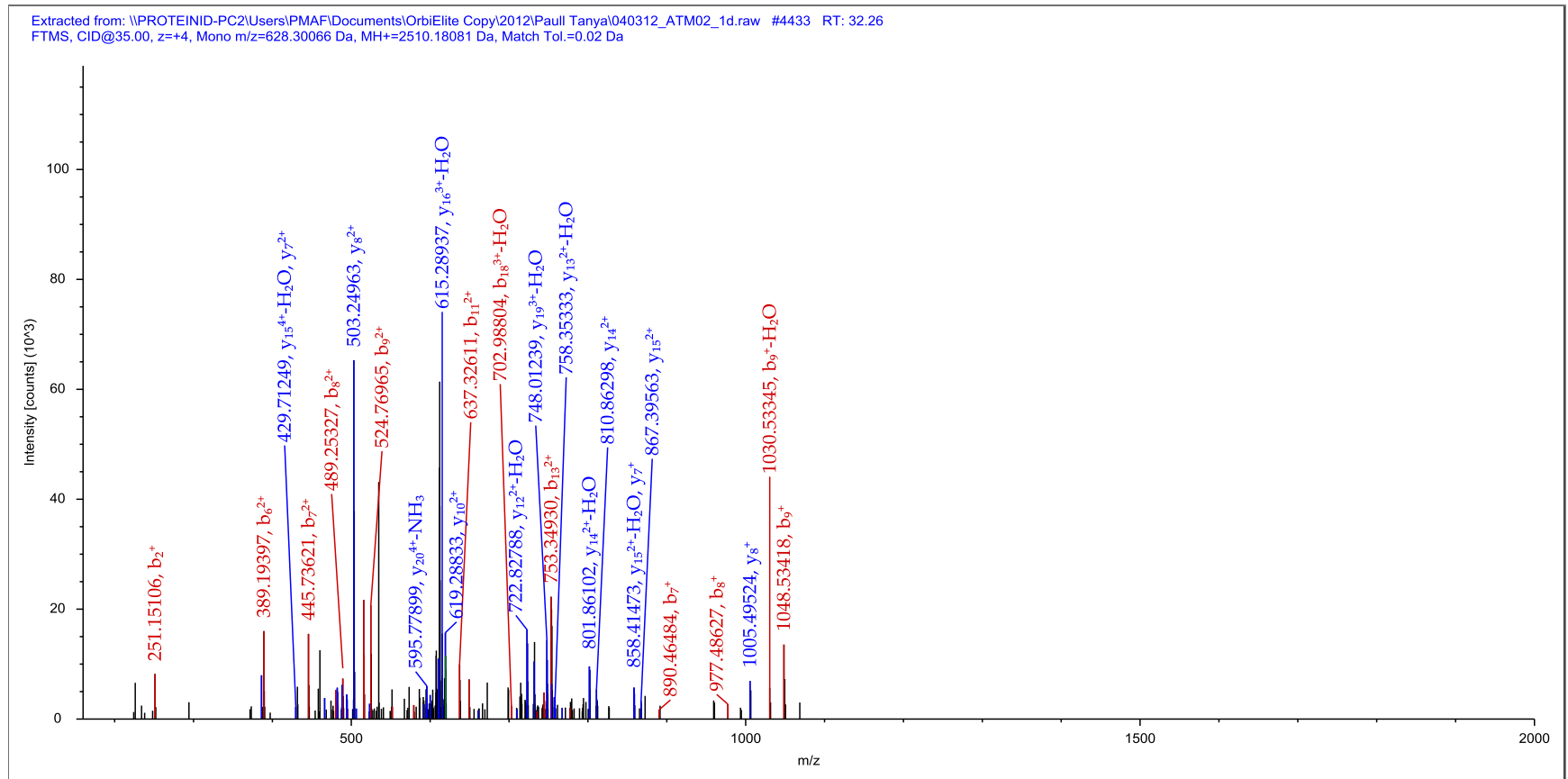
internal reference peptide

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\040312_ATM02_1d.raw #3454 RT: 26.41
FTMS, CID@35.00, z=+2, Mono m/z=463.77435 Da, MH+=926.54143 Da, Match Tol.=0.02 Da



PRMT5 LHNFHQLSAPQPCFTFSHPNR

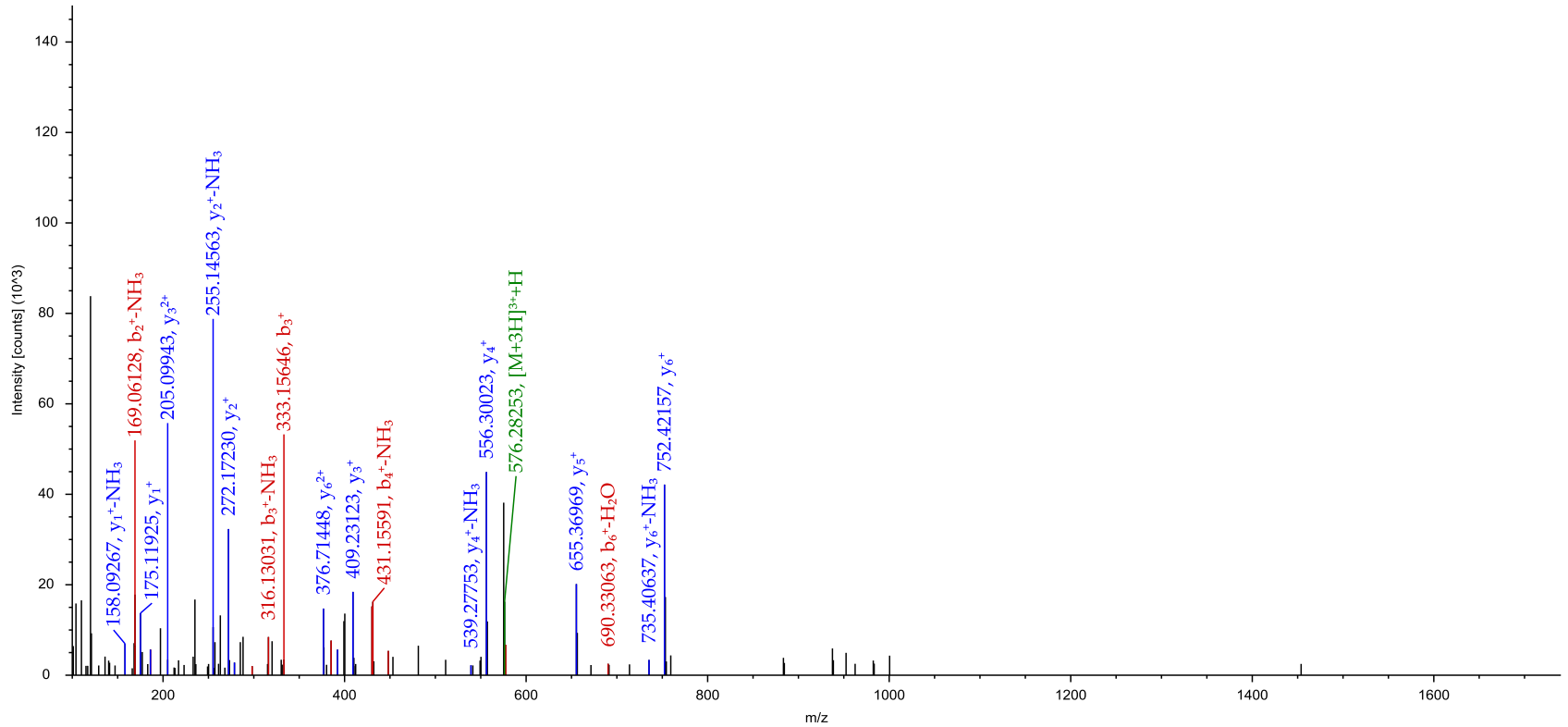
Cys518 sulfinic acid



PRMT5 QGFDFLCMPVFHPR

Cys42 sulfinic acid

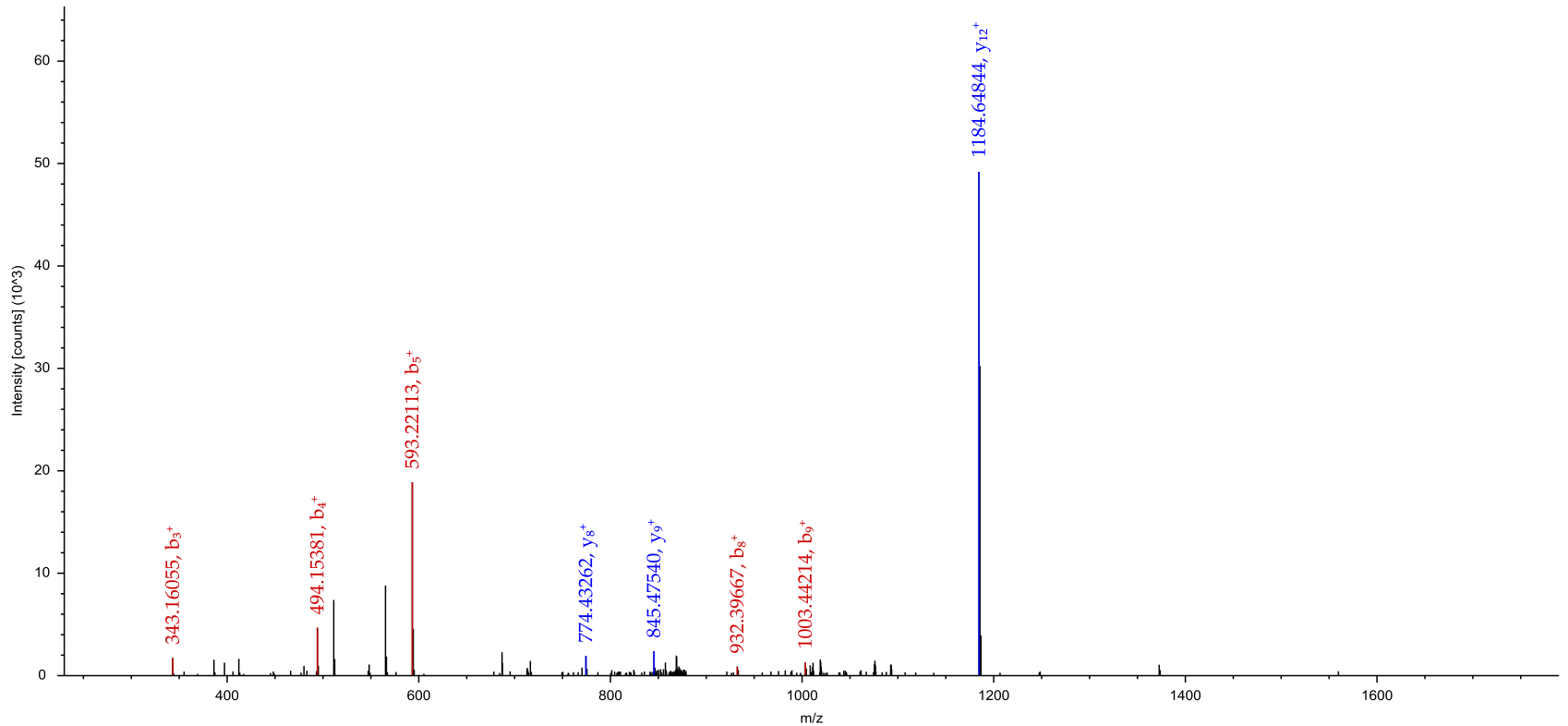
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\022912_ATM03_2.raw #14738 RT: 57.42
FTMS, HCD@35.00, z=+3, Mono m/z=575.93573 Da, MH+=1725.79264 Da, Match Tol.=0.02 Da



PRMT5 DLNCVPEIADTLGAVAK

Cys22 sulfonic acid

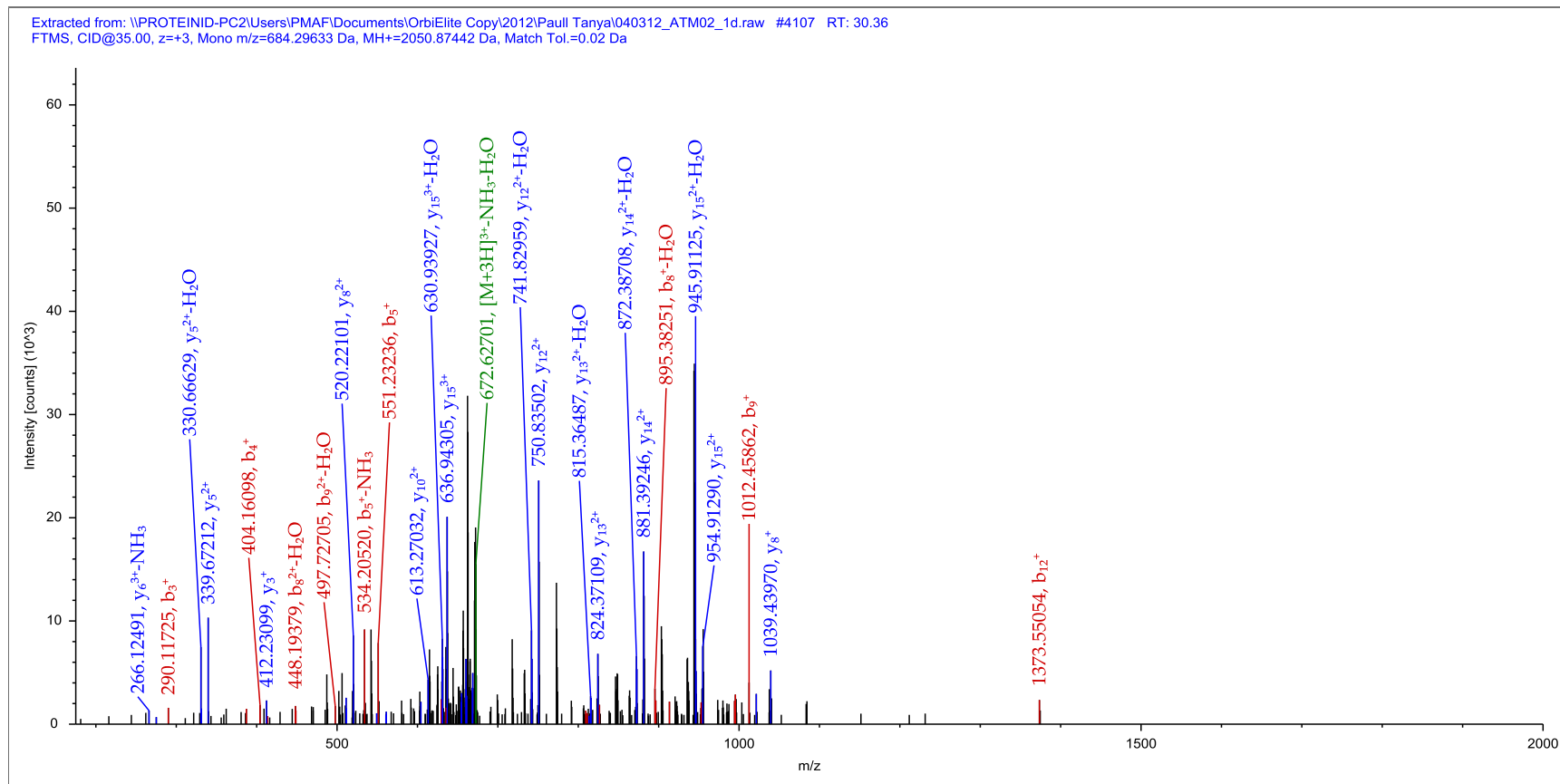
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\040312_ATM02_1d.raw #7240 RT: 49.20
FTMS, CID@35.00, z=+2, Mono m/z=888.93927 Da, MH+=1776.87126 Da, Match Tol.=0.02 Da



B, all other modified peptides
with Cys number from peptide
sequence

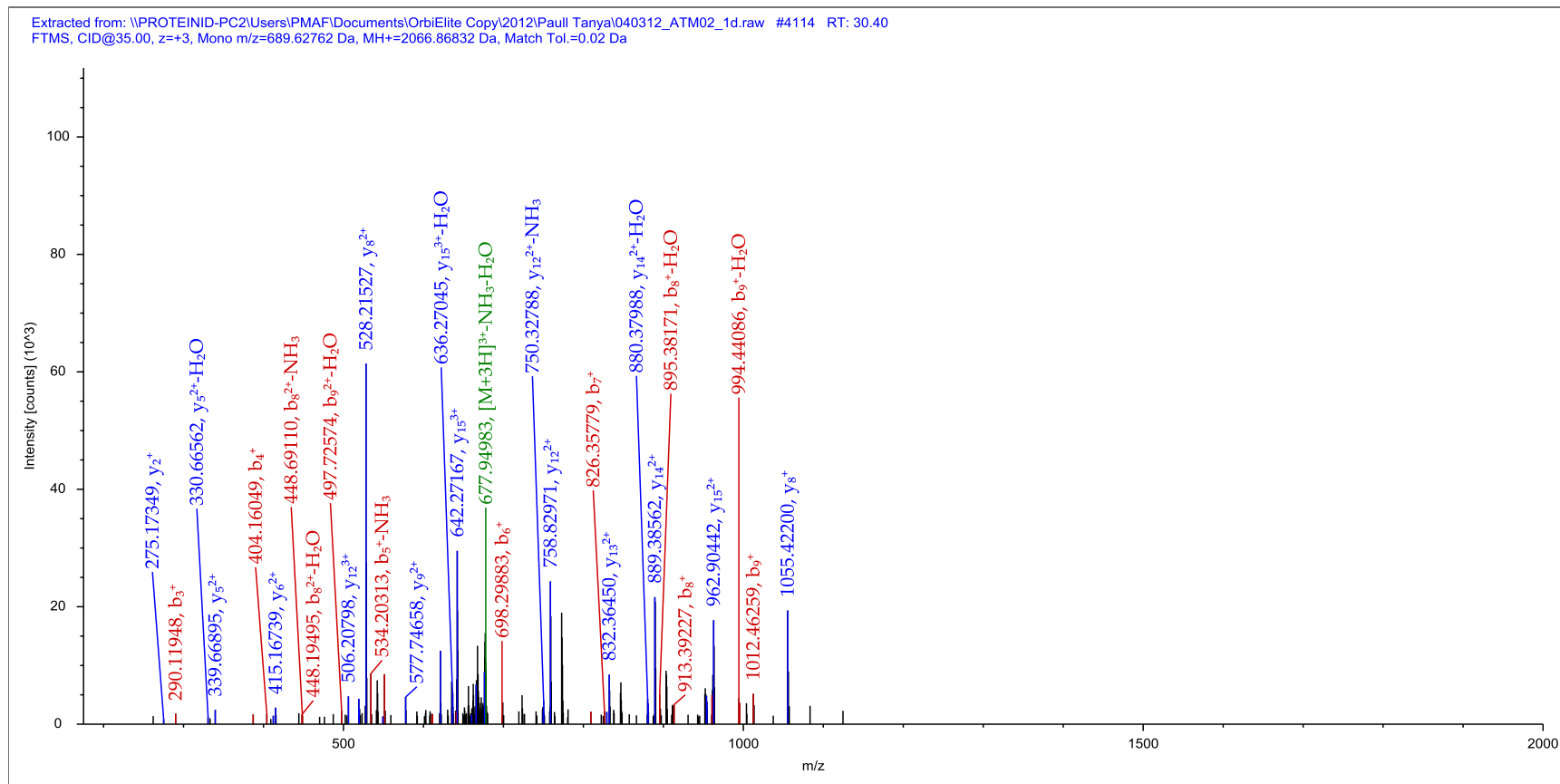
ATM AAMNFFQSVPECHHQK

C12 sulfinic acid M3 oxidation



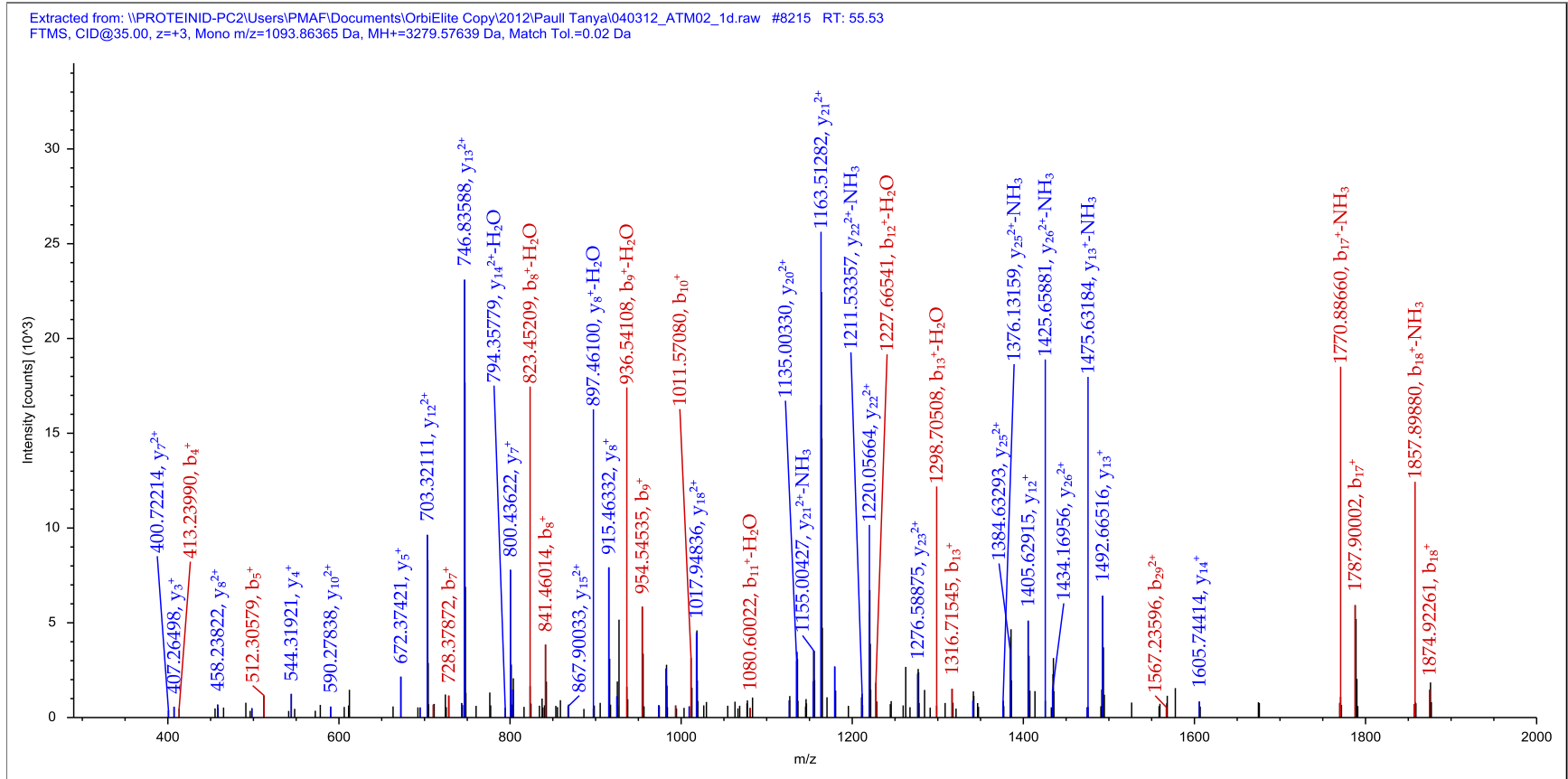
ATM AAMNFFQSVPECHHQK

C12 sulfonic acid M3 oxidation



ADIIVSELLGSFADNELSPECLDGAQHFLK

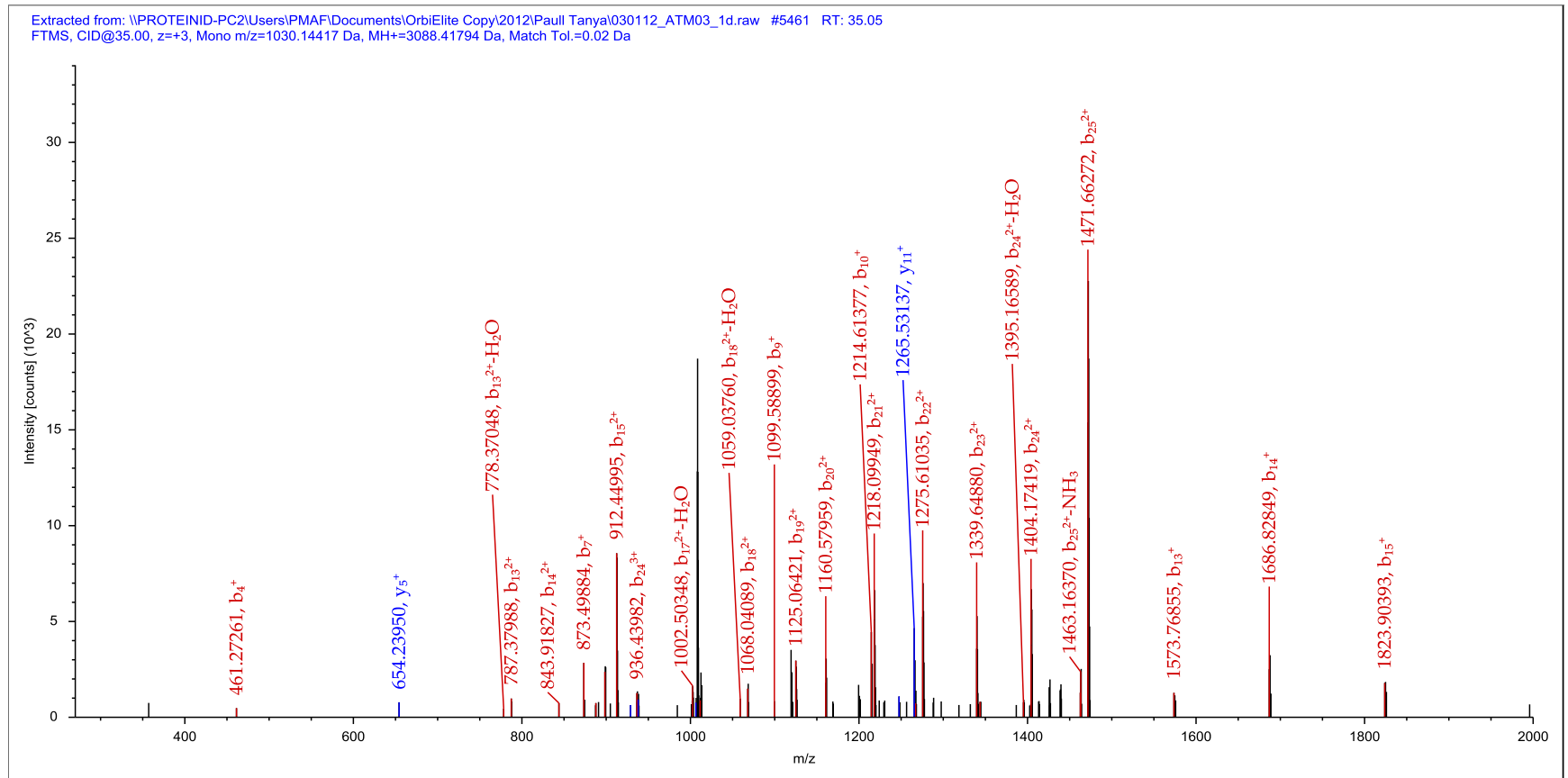
C21 sulfonic acid



ATM

ALYLQQRPEDETELHPTLNADDQECK

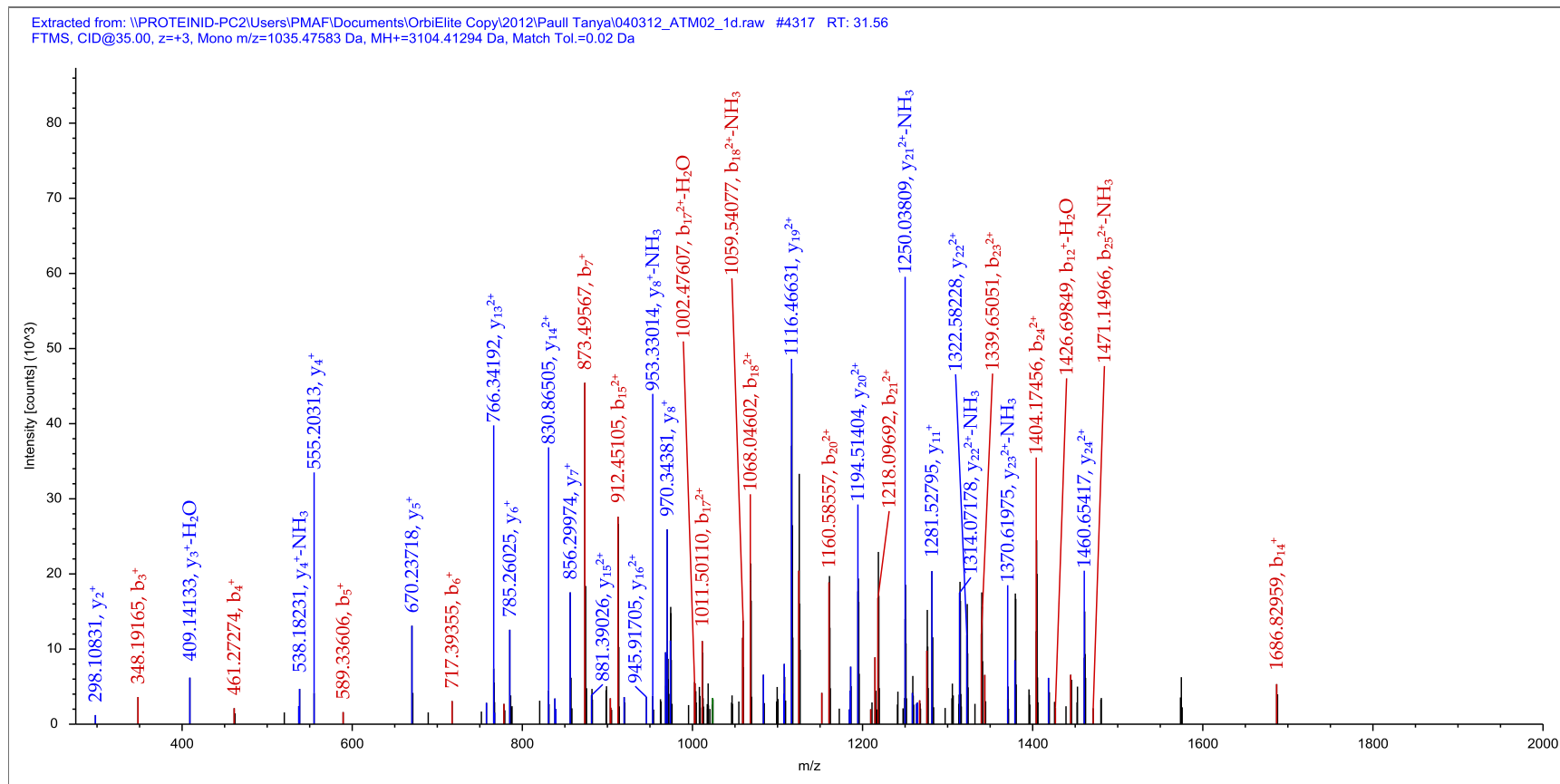
C25 sulfinic acid



ATM

ALYLQQRPEDETELHPTLNADDQECK

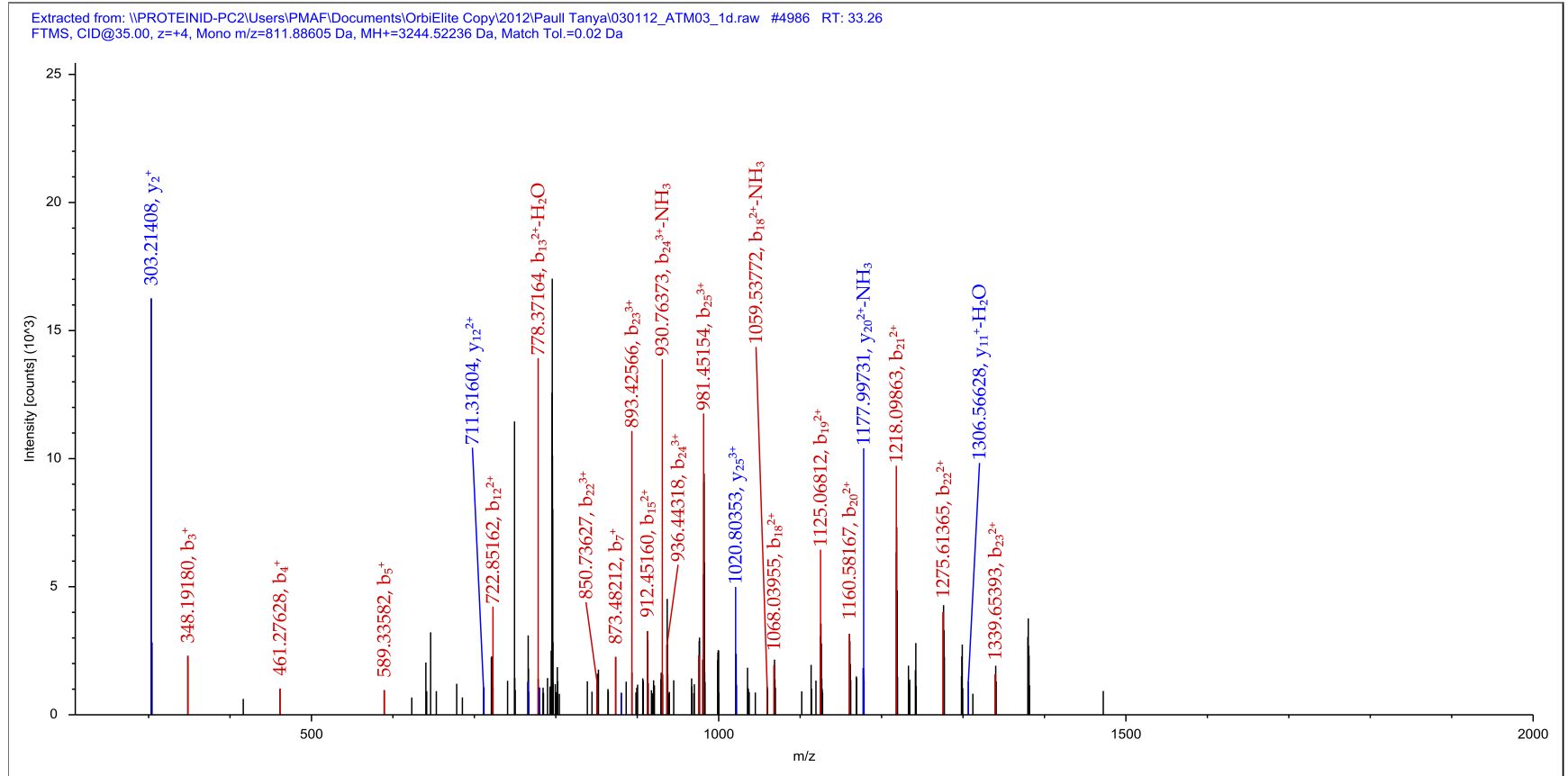
C25 sulfonic acid



ATM

ALYLQQRPEDETELHPTLNADDQECKR

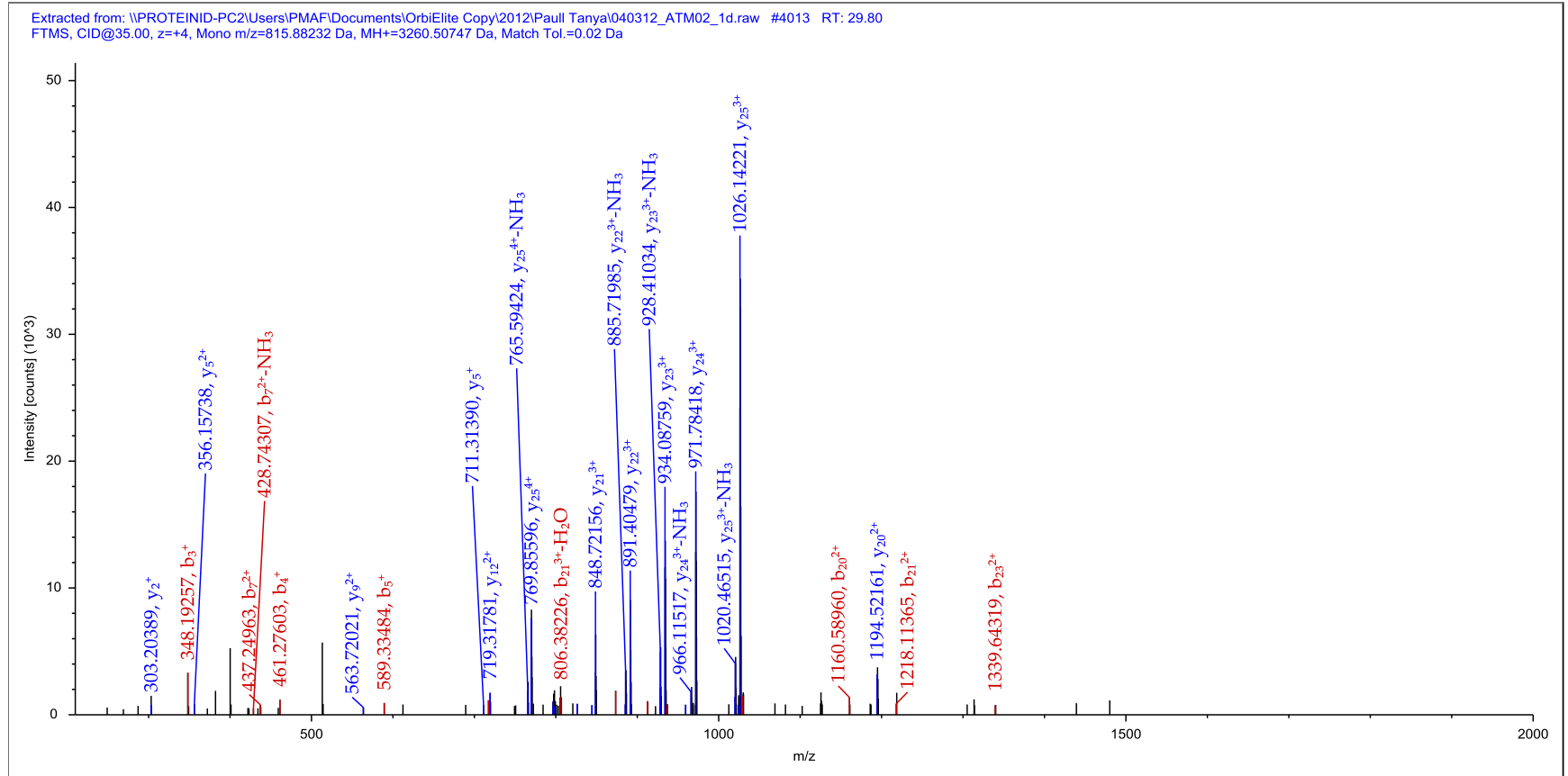
C25 sulfinic acid



ATM

ALYLQQRPEDETELHPTLNADDQECKR

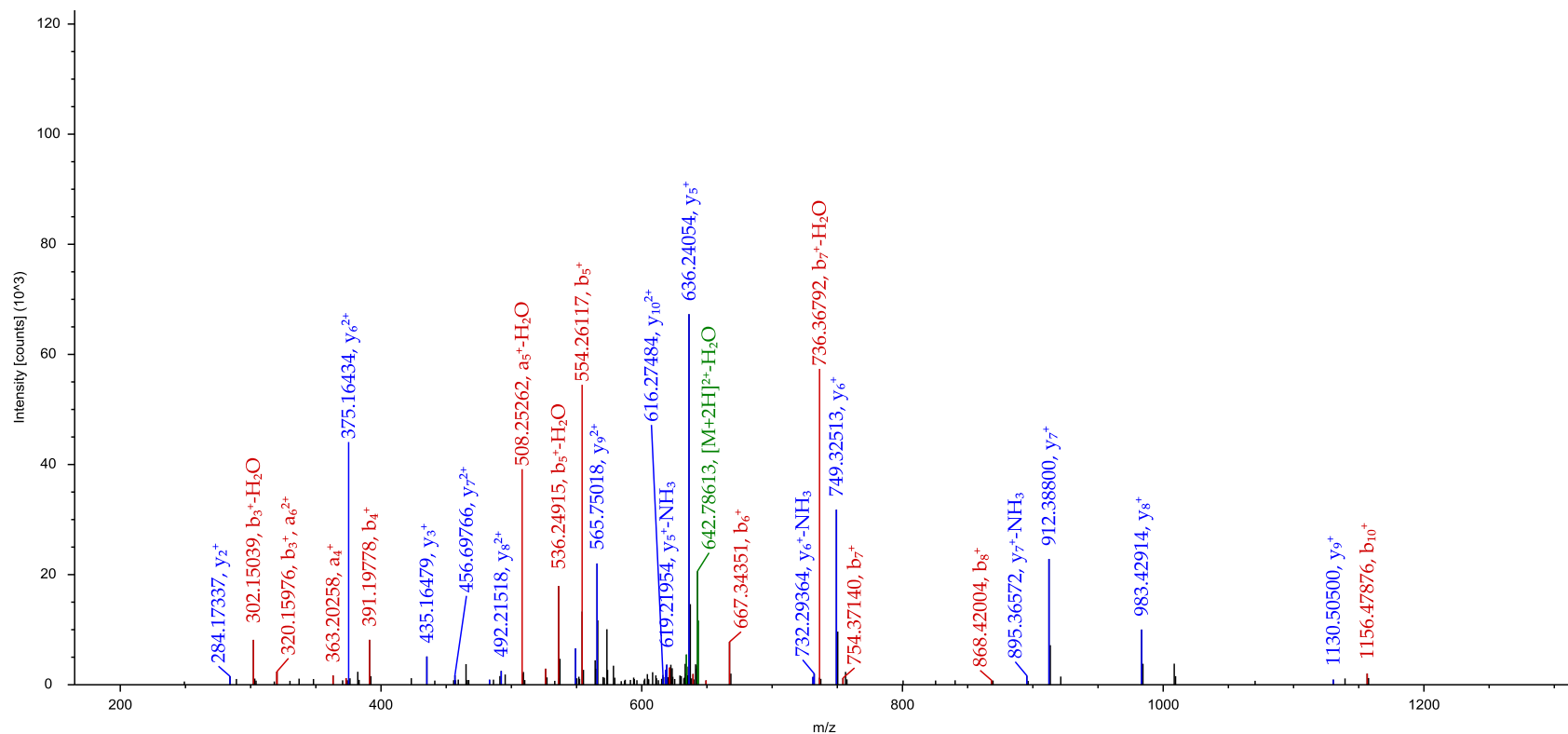
C25 sulfonic acid



ATM ATFAYISNCHK

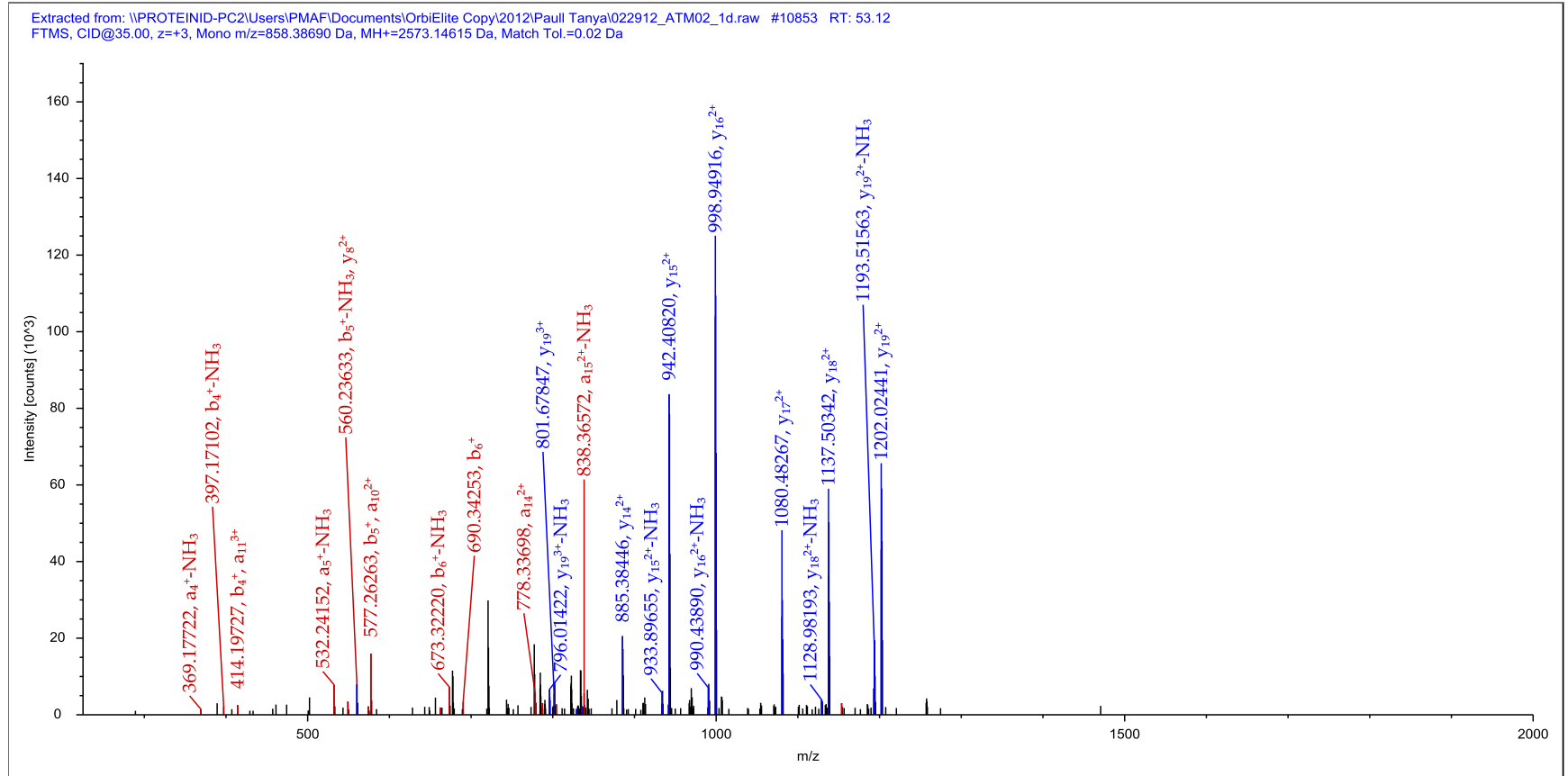
C9 sulfonic acid

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\040312_ATM02_1d.raw #3557 RT: 27.06
FTMS, CID@35.00, z=+2, Mono m/z=651.79279 Da, MH+=1302.57829 Da, Match Tol.=0.02 Da



ATM AVENYINCLLSGEEHDMWVFR

C8 sulfonic acid

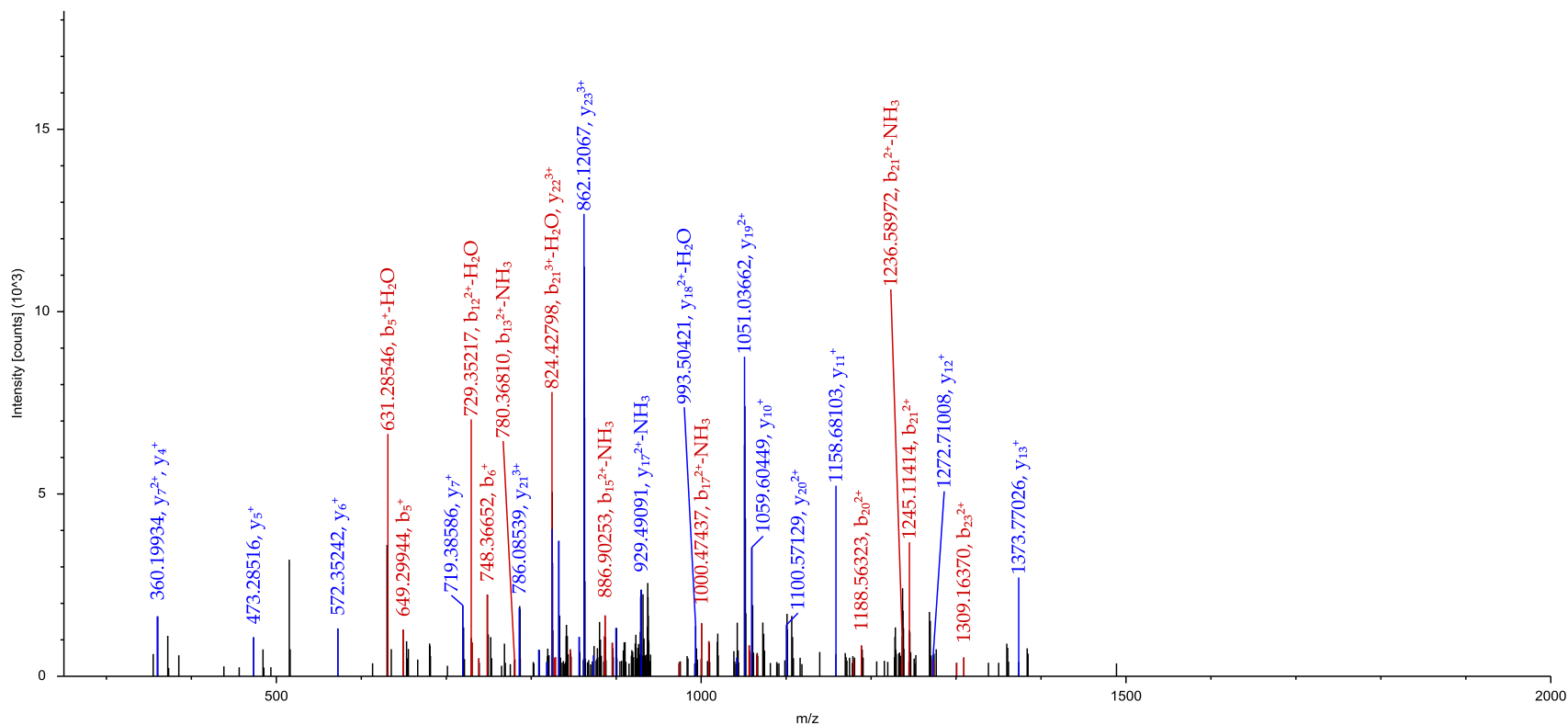


PRMT5

CLLDRVPEEEKDTNVQVLMVLGAGR

C1 sulfonic acid M19 oxidation

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #6566 RT: 44.88
FTMS, CID@35.00, z=+3, Mono m/z=950.14343 Da, MH+=2848.41574 Da, Match Tol.=0.02 Da

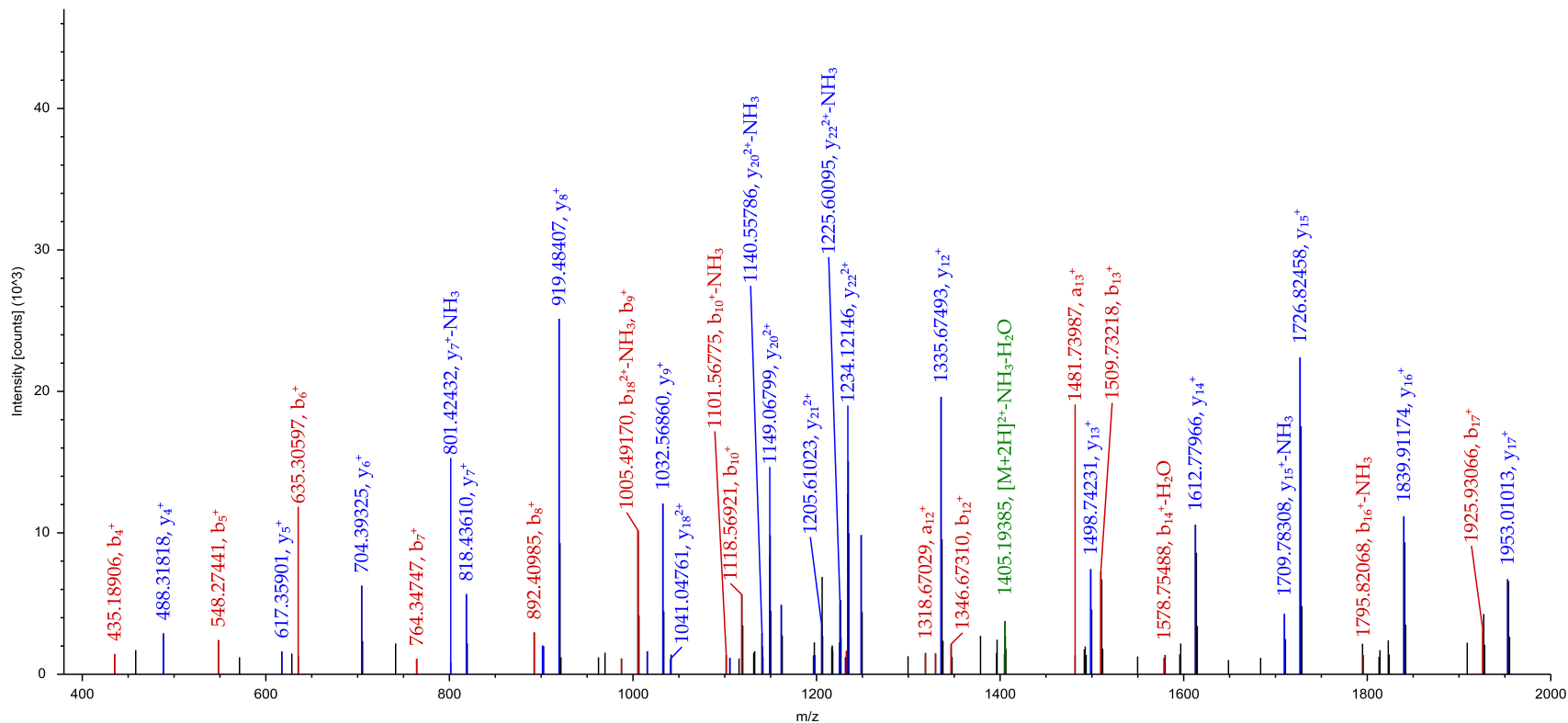


ATM

CLLGLSEQLLNNYSSEITNSETLVR

C1 sulfonic acid

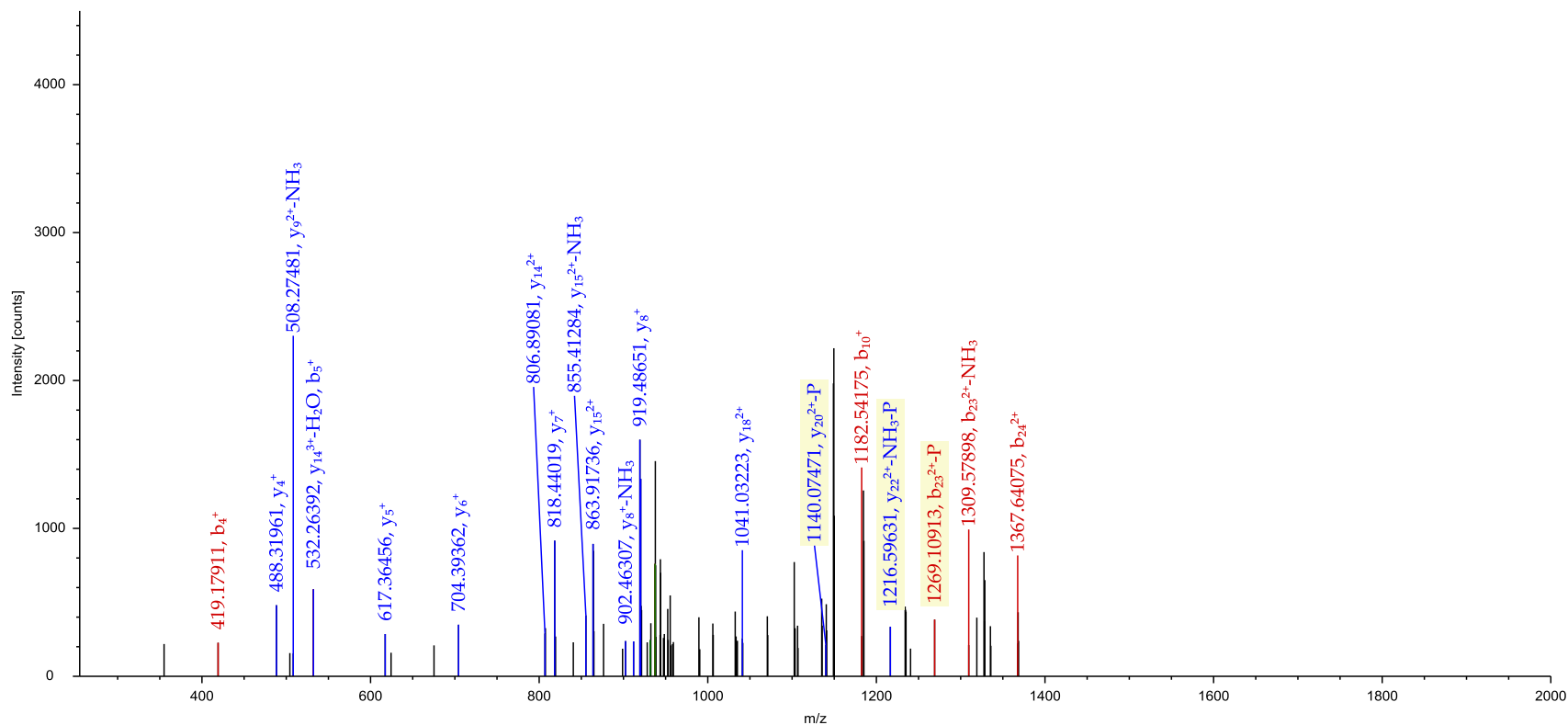
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #8727 RT: 59.92
FTMS, CID@35.00, z=+2, Mono m/z=1422.70105 Da, MH+=2844.39482 Da, Match Tol.=0.02 Da



CLLGLSEQLLNNYSSEITNSETLVR

C1 sulfinic acid S6 phosphorylation

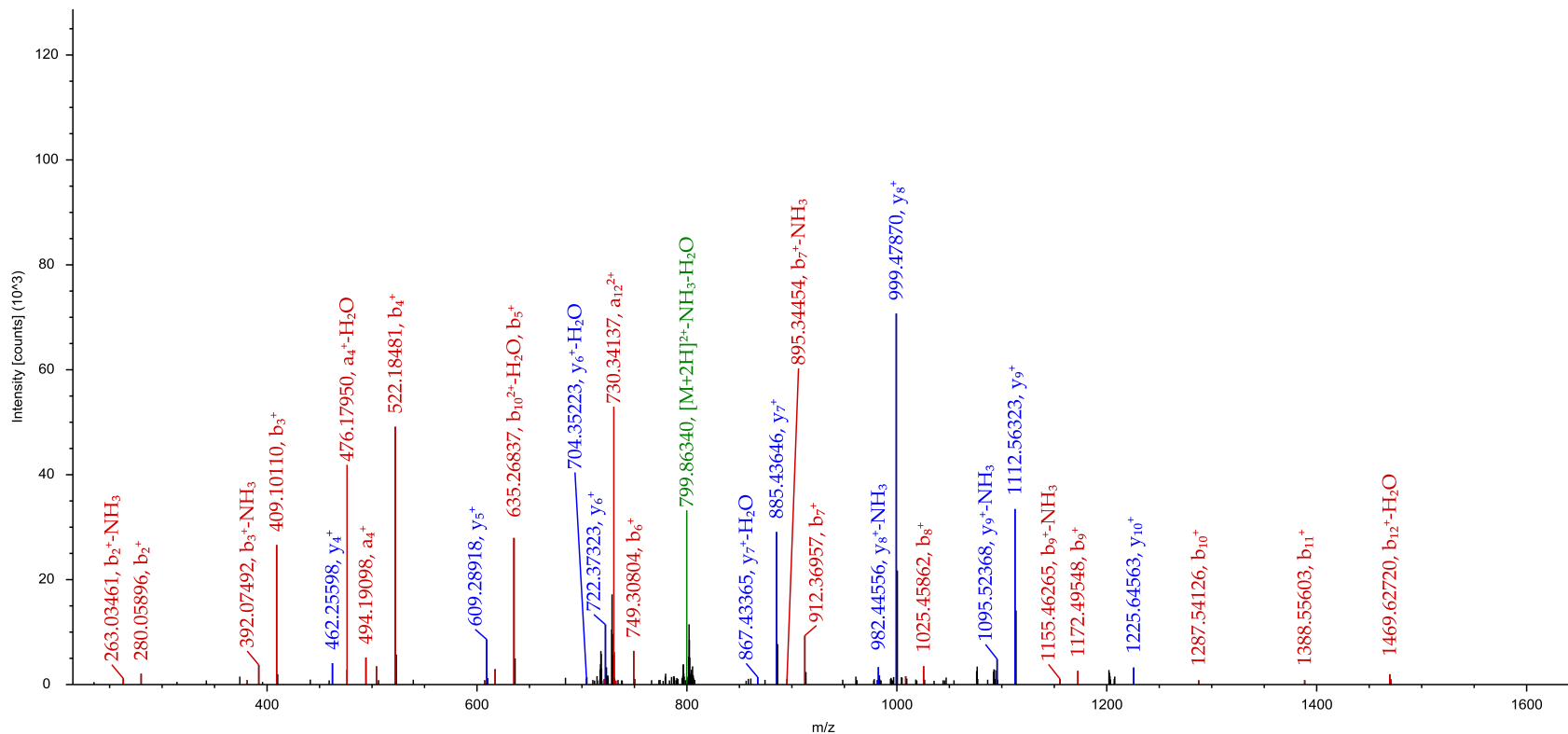
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\040312_ATM02_1d.raw #8515 RT: 57.80
FTMS, CID@35.00, z=+3, Mono m/z=970.11859 Da, MH+=2908.34122 Da, Match Tol.=0.02 Da



ATM_CQELLNYIMDTVK

C1 sulfonic acid M9 oxidation

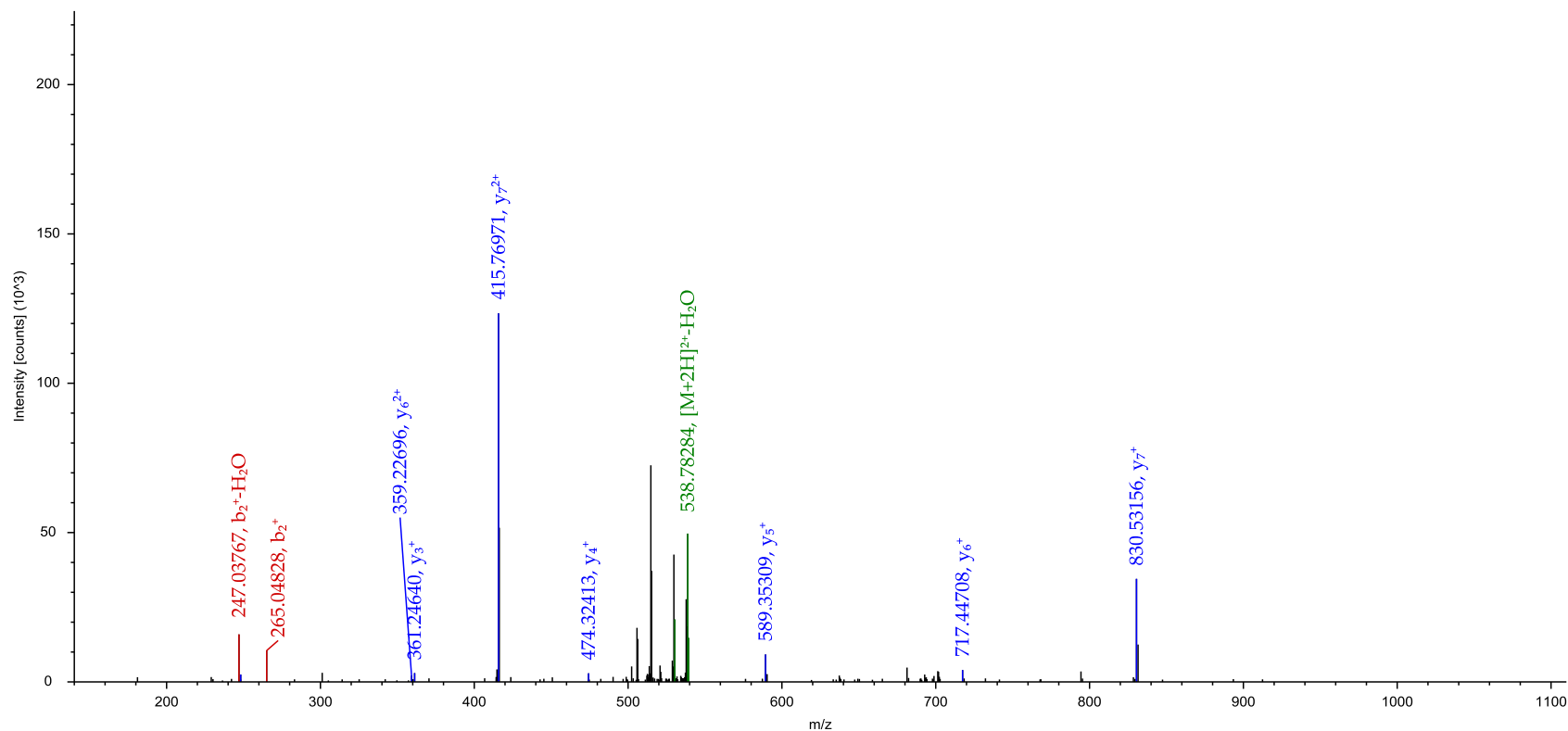
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #7259 RT: 49.32
FTMS, CID@35.00, z=+2, Mono m/z=817.37537 Da, MH+=1633.74346 Da, Match Tol.=0.02 Da



ATM ECIKDILTK

C2 sulfinic acid

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #4090 RT: 30.26
FTMS, CID@35.00, z=+2, Mono m/z=547.79169 Da, MH+=1094.57610 Da, Match Tol.=0.02 Da

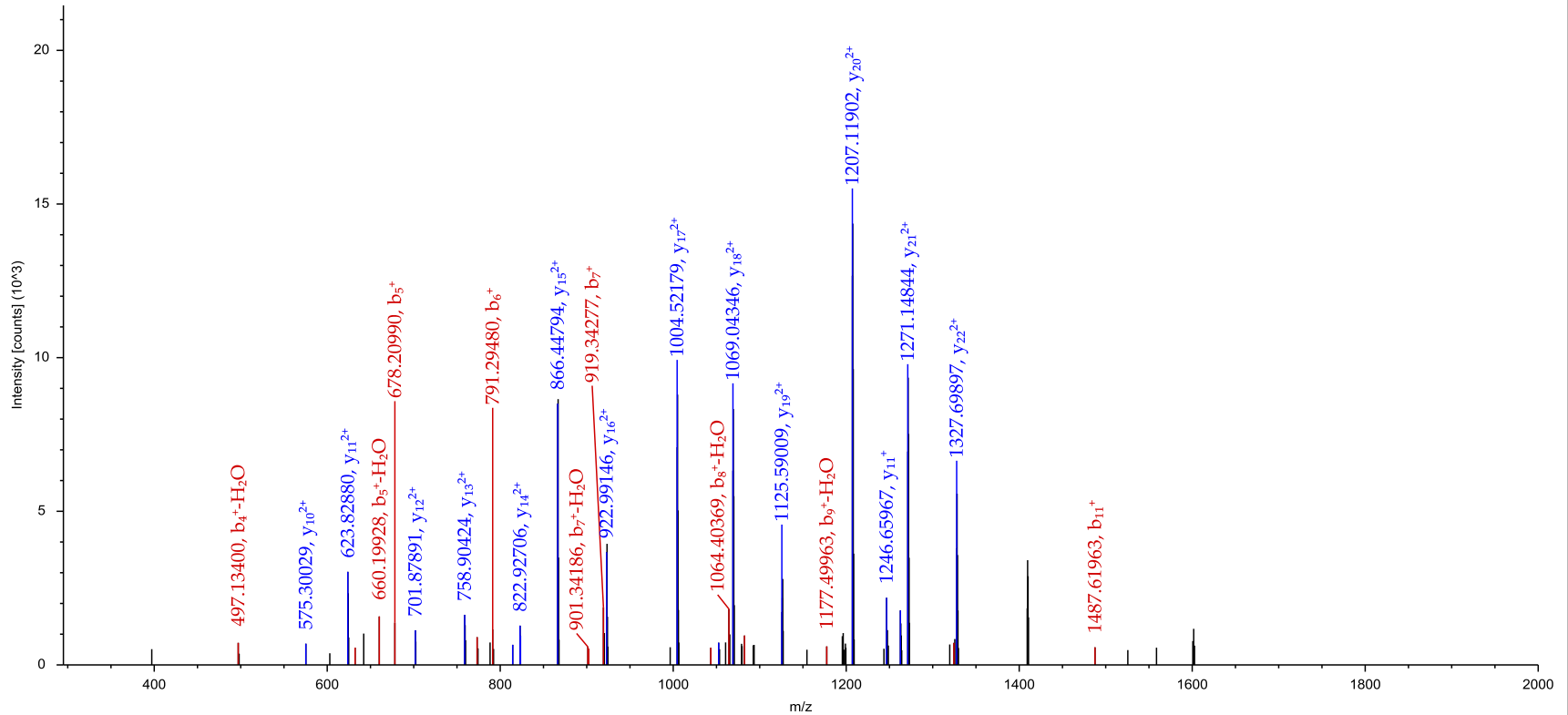


PRMT5

EFCSYLQYLEYLSQNRPPPNAYELFAK

C4 sulfonic acid

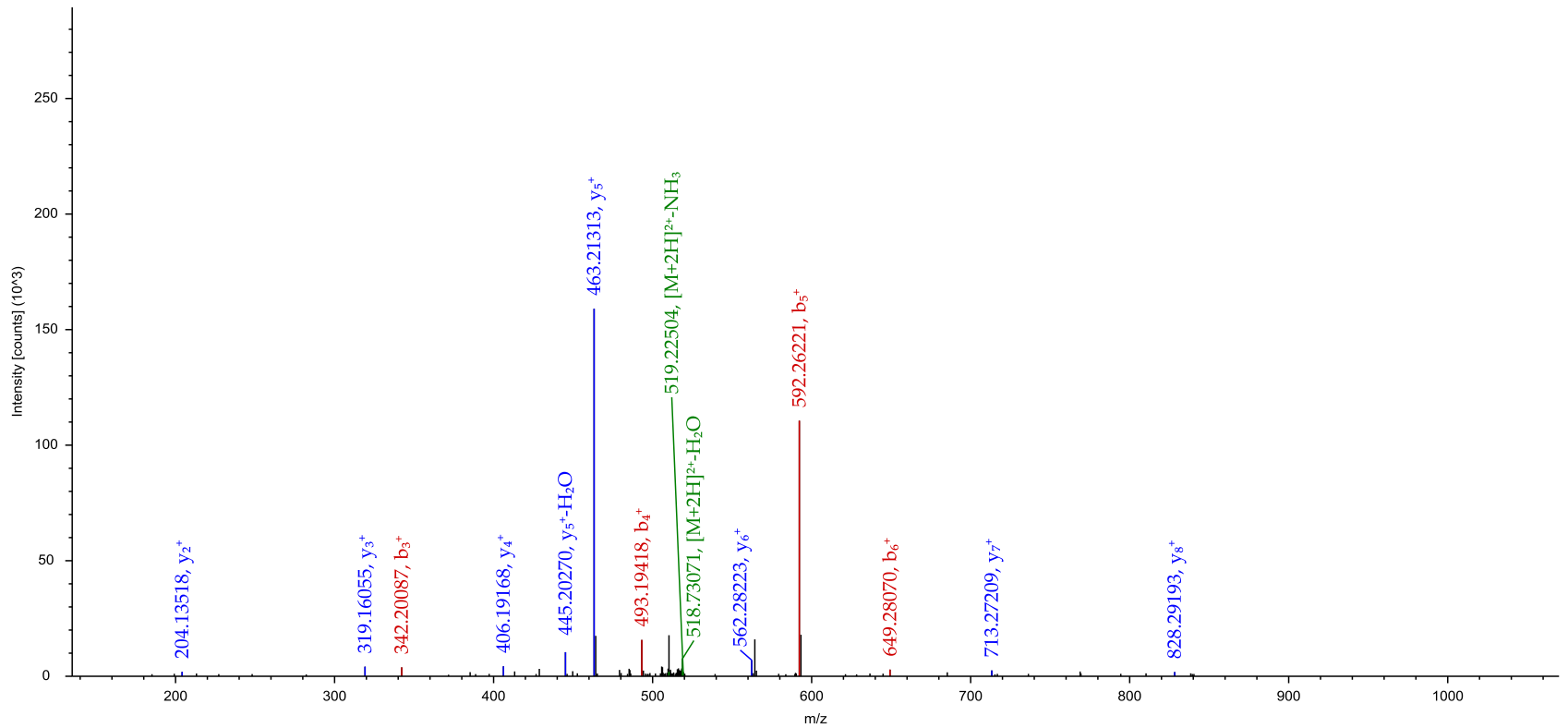
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #7966 RT: 53.84
FTMS, CID@35.00, z=+3, Mono m/z=1111.19373 Da, MH+=3331.56662 Da, Match Tol.=0.02 Da



ATM IIDCVGSDGK

C4 sulfonic acid

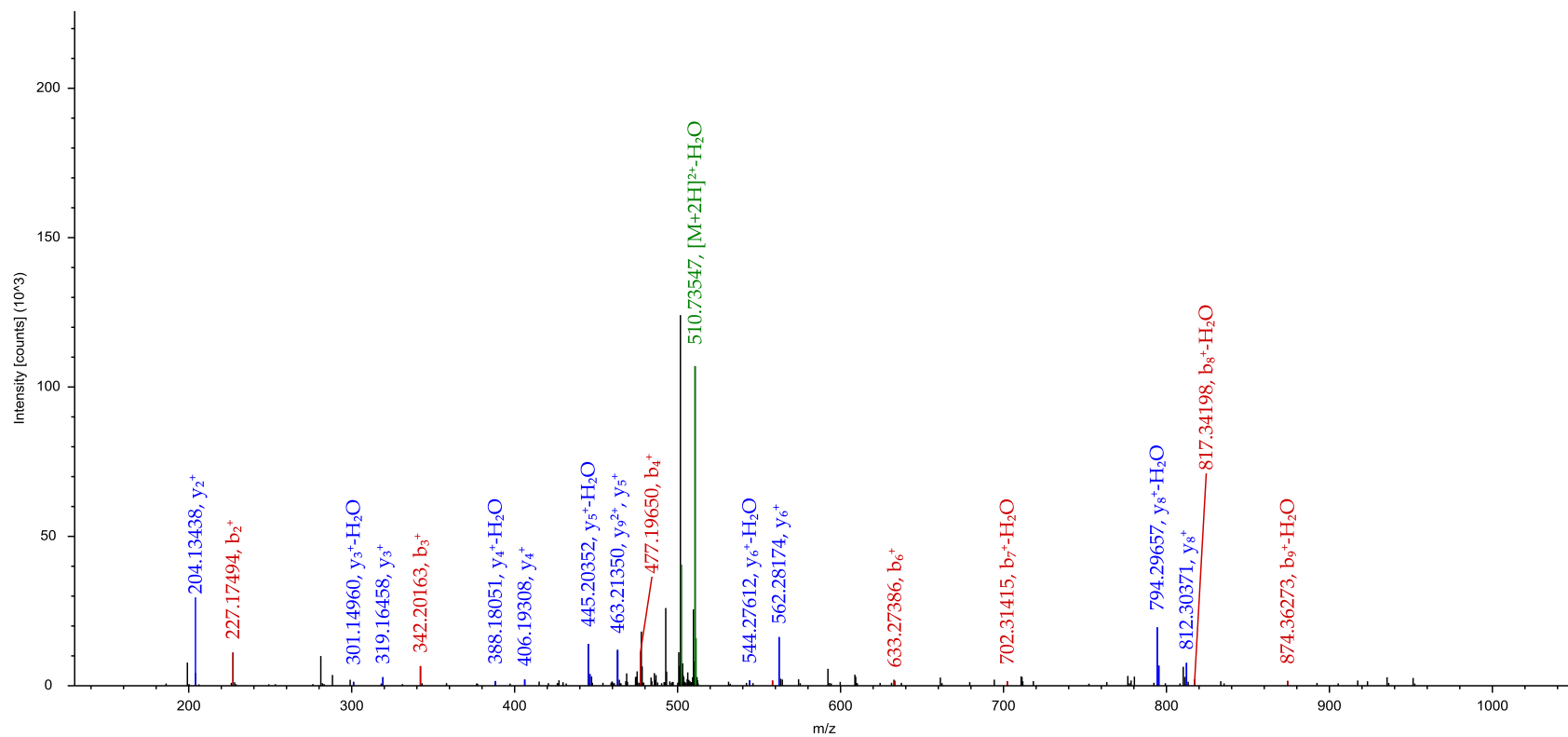
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #2741 RT: 22.06
FTMS, CID@35.00, z=+2, Mono m/z=527.73962 Da, MH+=1054.47197 Da, Match Tol.=0.02 Da



ATM IIDCVGSDGK

C4 sulfinic acid

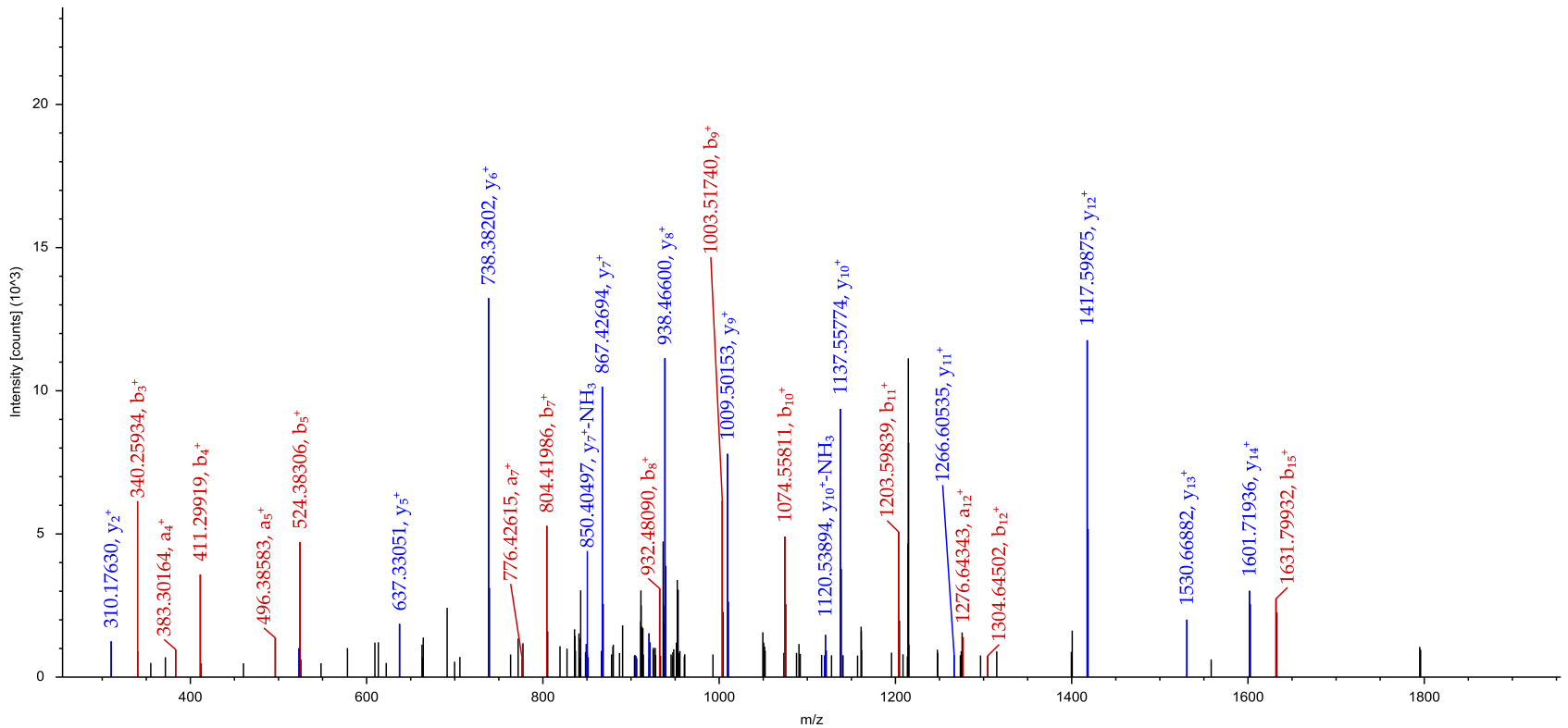
Extracted from: \\PROTEINID-PC2\Users\PMF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #3137 RT: 24.50
FTMS, CID@35.00, z=+2, Mono m/z=519.74243 Da, MH+=1038.47759 Da, Match Tol.=0.02 Da



ATM ILLAICEQAAETNNVYK

C6 sulfonic acid

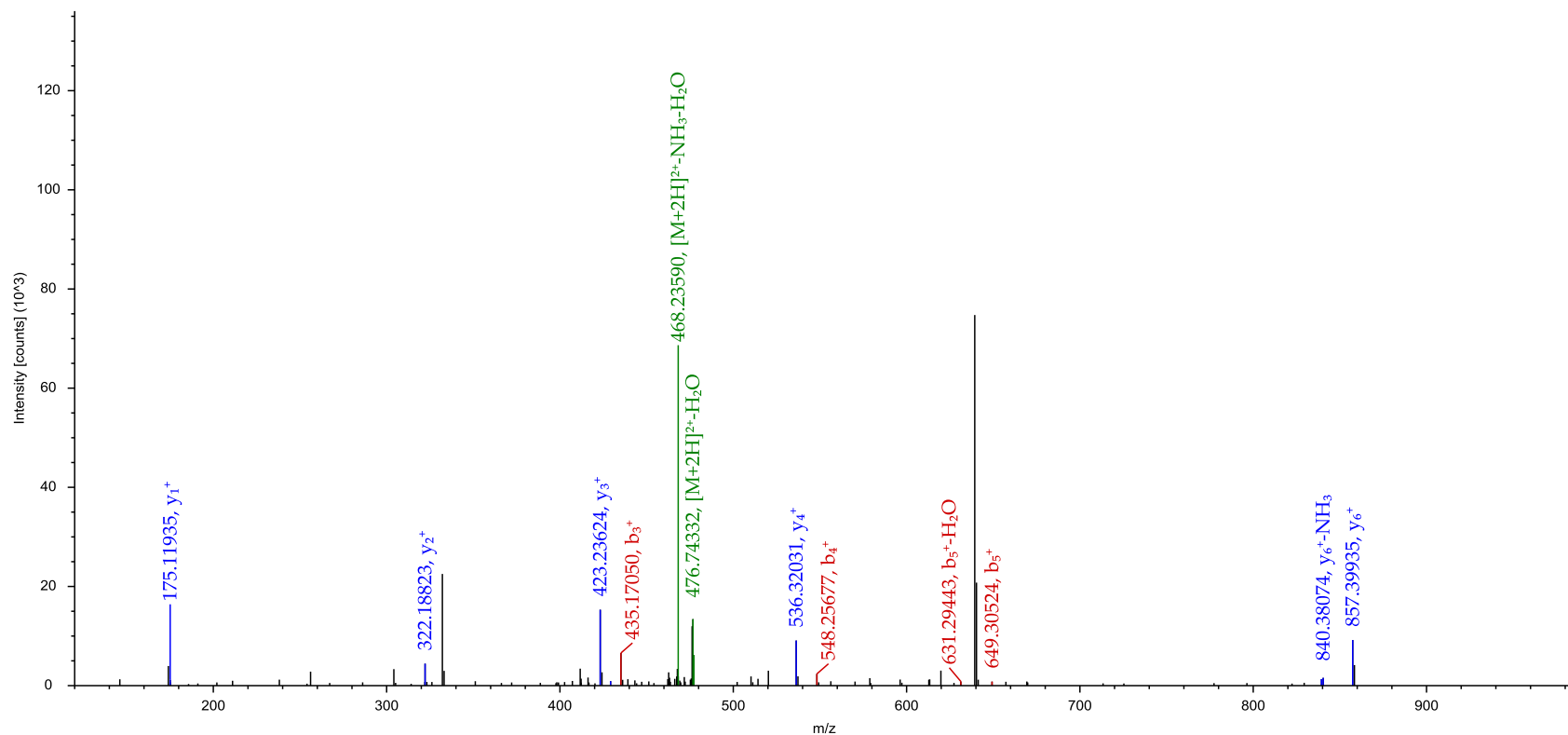
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #5877 RT: 40.72
FTMS, CID@35.00, z=+2, Mono m/z=970.98560 Da, MH+=1940.96391 Da, Match Tol.=0.02 Da



ATM IWCITFR

C3 sulfinic acid

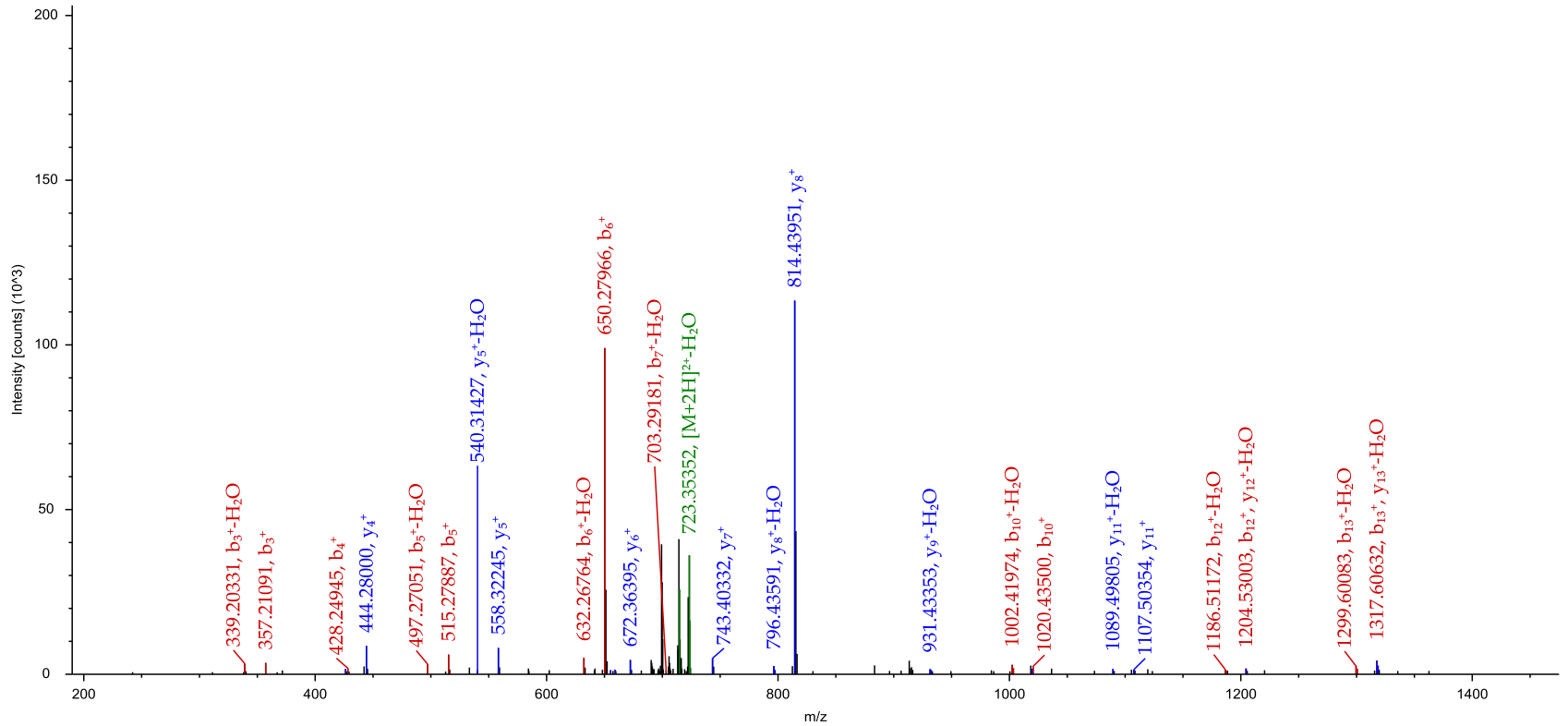
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\022912_ATM01_1d.raw #8068 RT: 44.82
FTMS, CID@35.00, z=+2, Mono m/z=485.74527 Da, MH+=970.48326 Da, Match Tol.=0.02 Da



ATM KLDASCAANNPSLK

C6 sulfinic acid

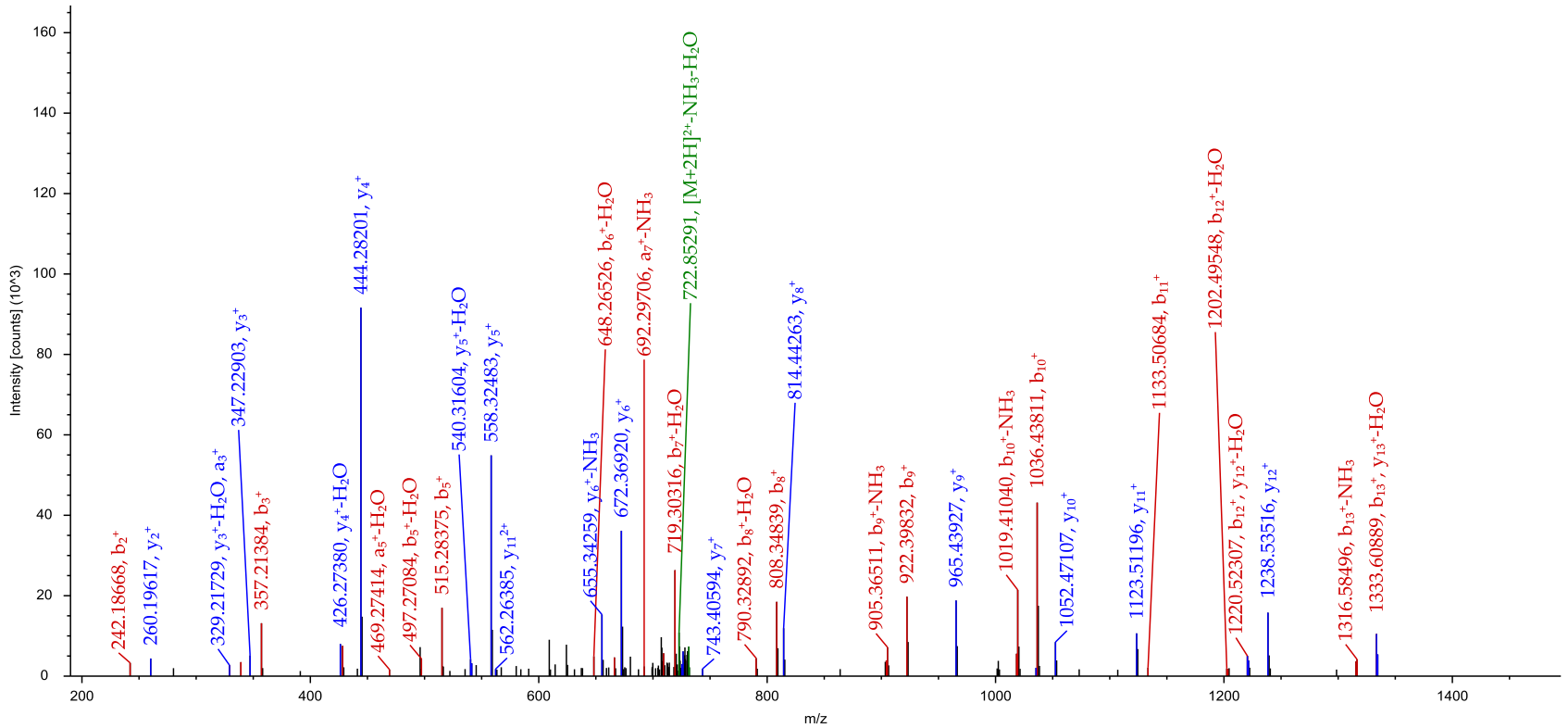
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #2718 RT: 21.93
FTMS, CID@35.00, z=+2, Mono m/z=732.36212 Da, MH+=1463.71697 Da, Match Tol.=0.02 Da



ATM KLDASCAANNPSLK

C6 sulfonic acid

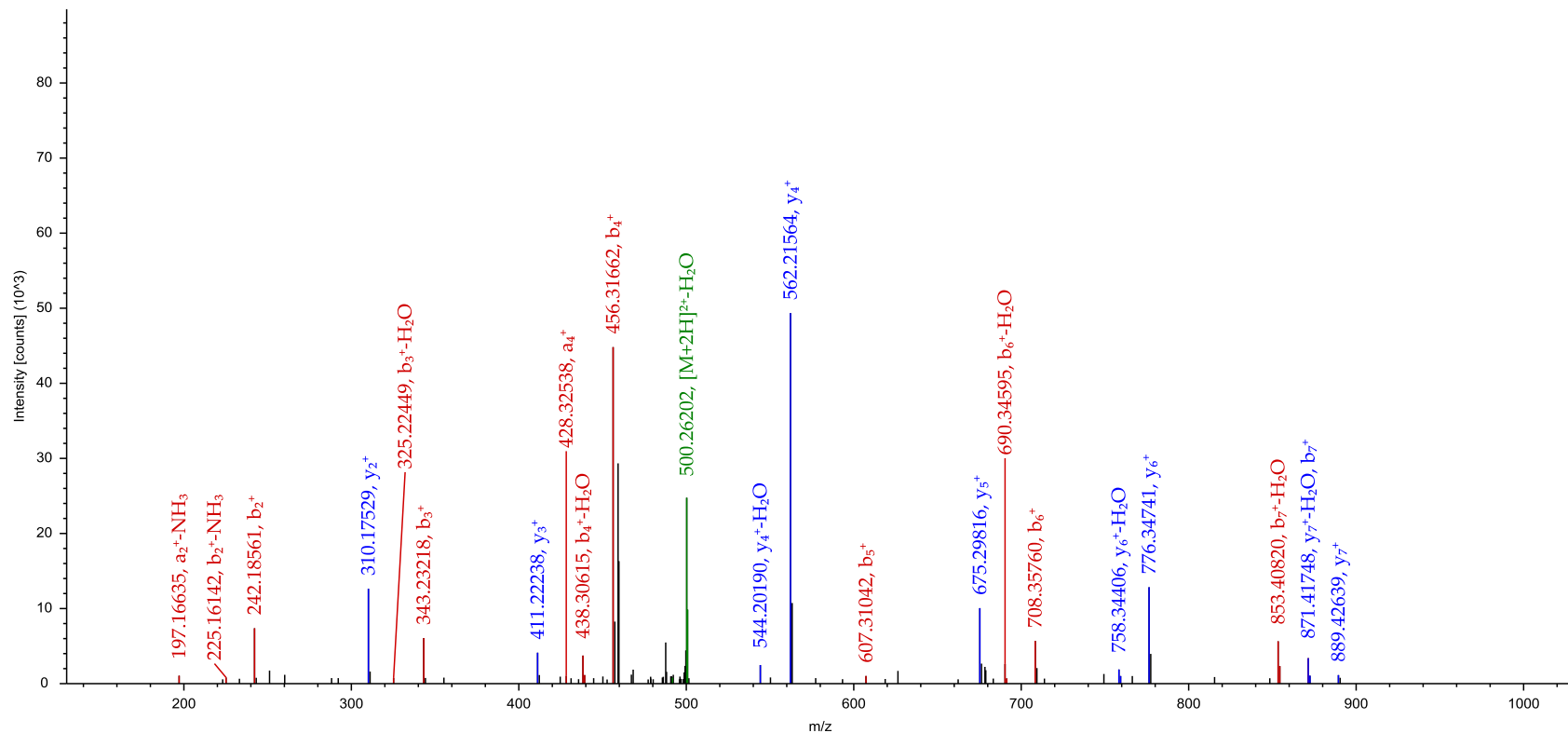
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #2519 RT: 20.68
FTMS, CID@35.00, z=+2, Mono m/z=740.35919 Da, MH+=1479.71111 Da, Match Tol.=0.02 Da



ATM KLTICTYK

C5 sulfonic acid

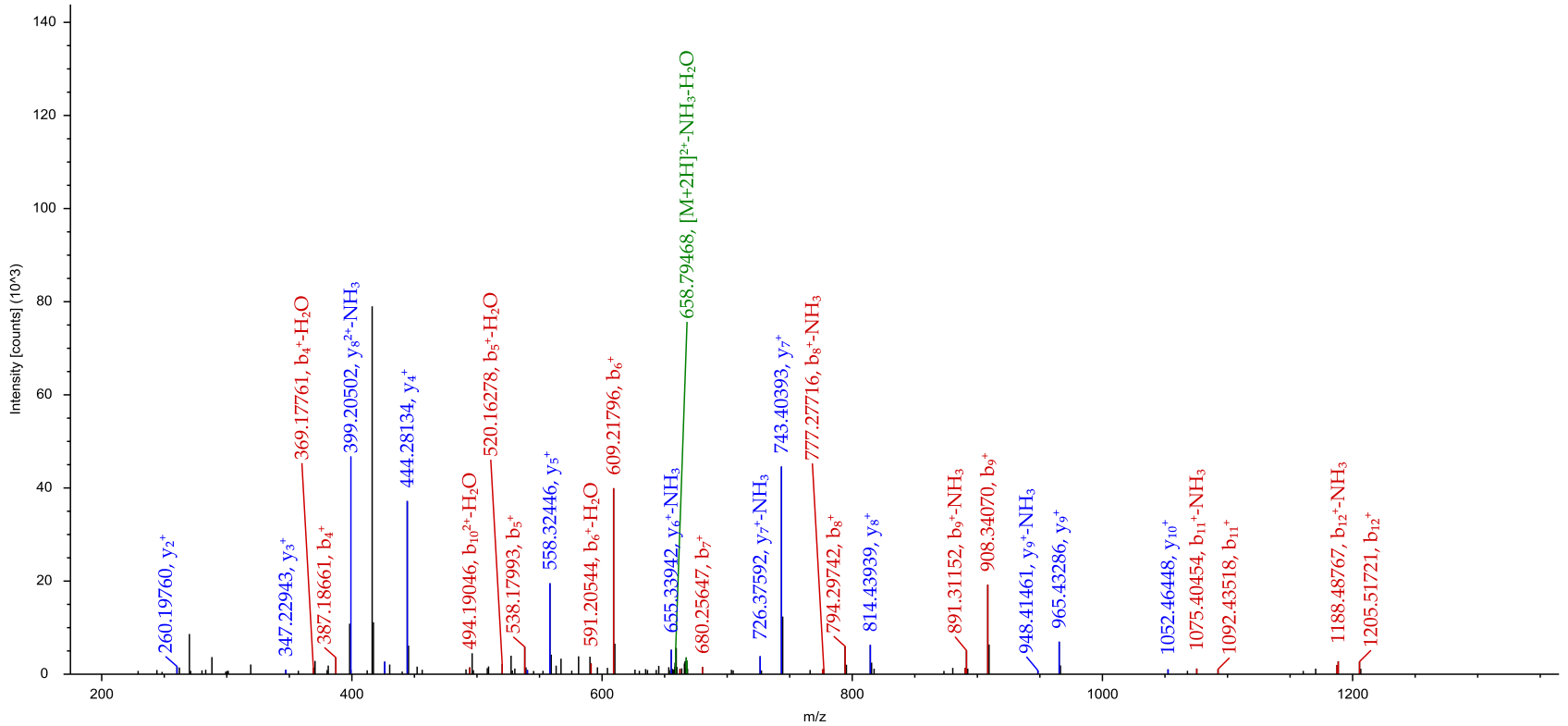
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #3297 RT: 25.47
FTMS, CID@35.00, z=+2, Mono m/z=509.26770 Da, MH+=1017.52812 Da, Match Tol.=0.02 Da



ATM LDASCAANNPSLK

C5 sulfonic acid

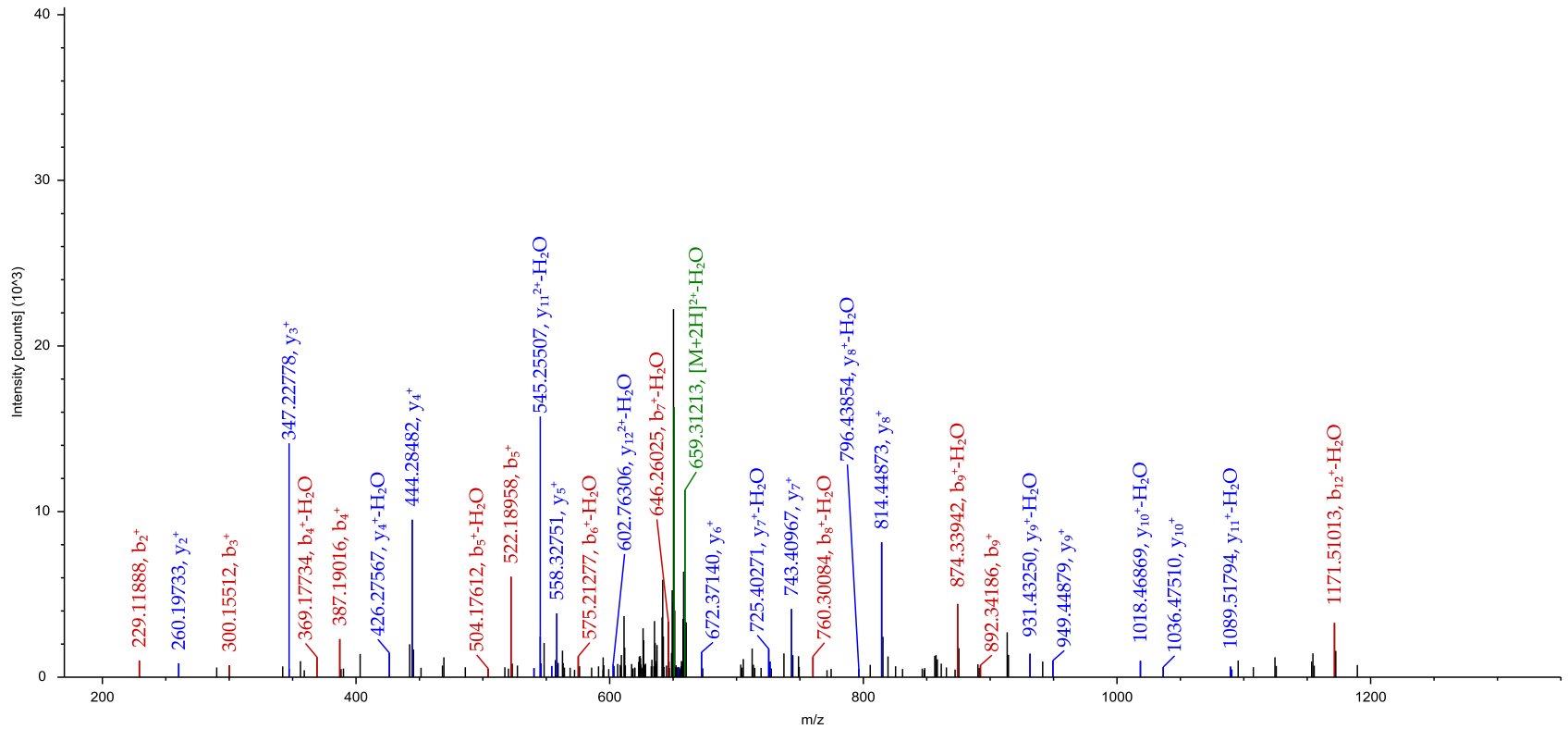
Extracted from: \\PROTEINID-PC2\Users\PMF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #2857 RT: 22.79
FTMS, CID@35.00, z=+2, Mono m/z=676.31171 Da, MH+=1351.61614 Da, Match Tol.=0.02 Da



ATM LDASCAANNPSLK

C5 sulfonic acid

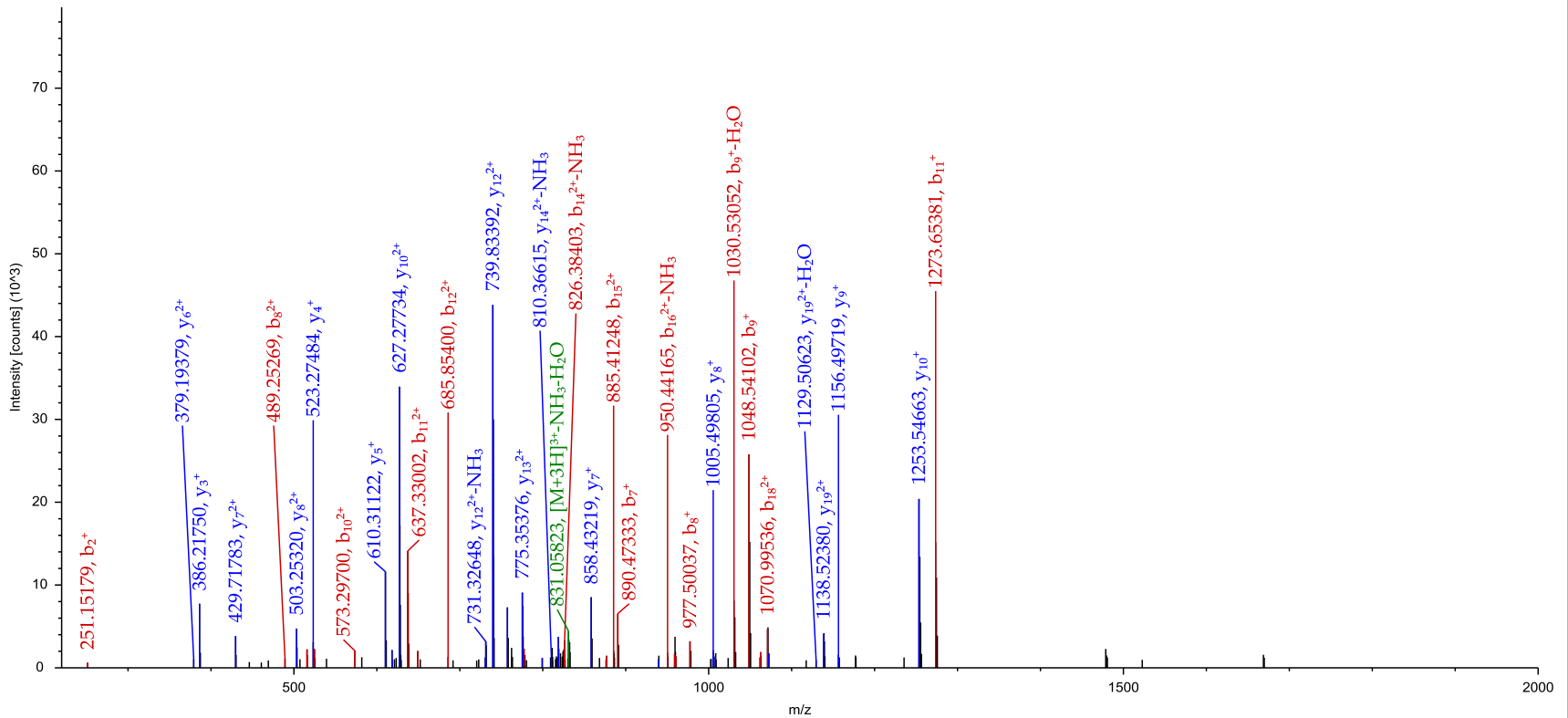
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #3036 RT: 23.87
FTMS, CID@35.00, z=+2, Mono m/z=668.31439 Da, MH+=1335.62151 Da, Match Tol.=0.02 Da



PRMT5 LHNFHQLSAPQPCFTFSHPNR

C13 sulfonic acid

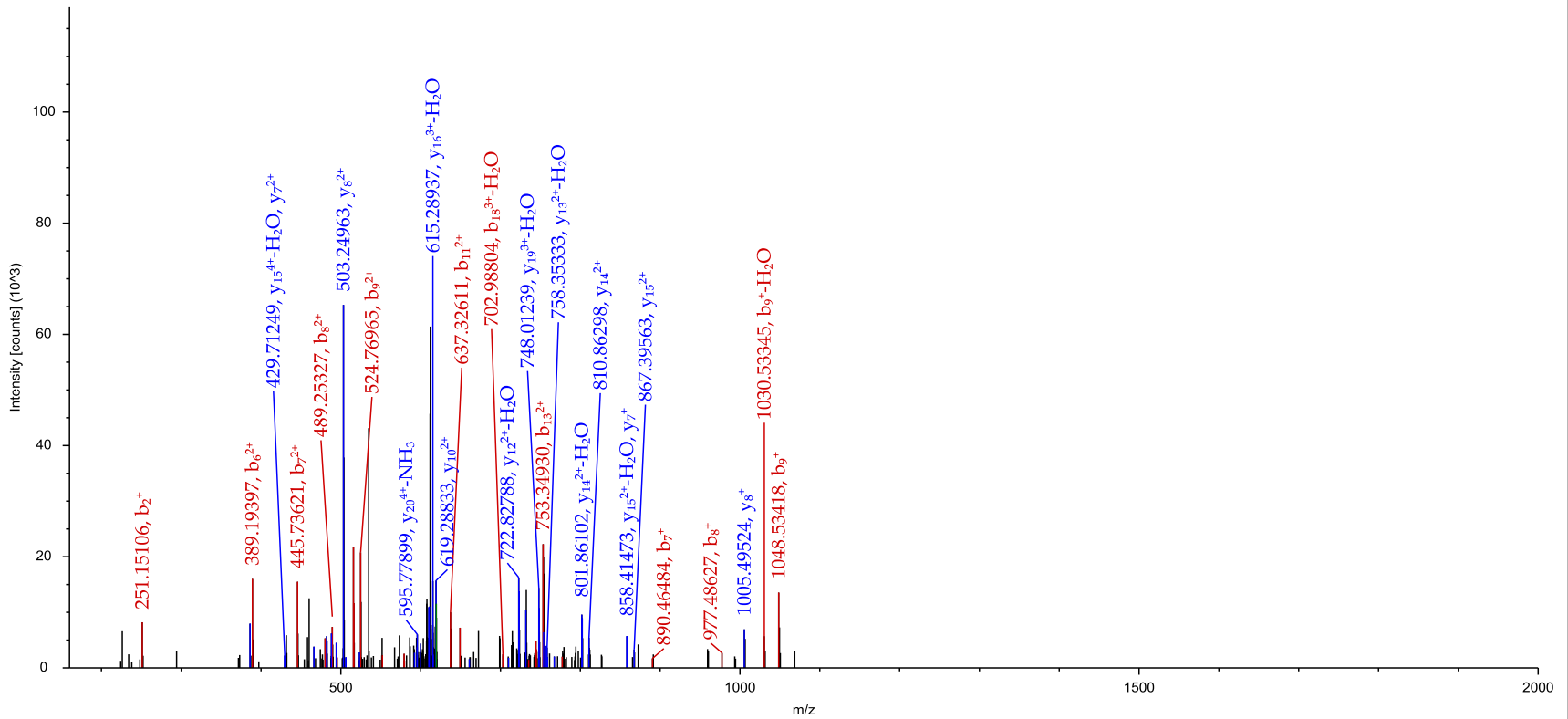
Extracted from: \\PROTEINID-PC2\Users\PMF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #4336 RT: 31.67
FTMS, CID@35.00, z=+3, Mono m/z=842.72949 Da, MH+=2526.17392 Da, Match Tol.=0.02 Da



PRMT5 LHNFHQLSAPQPCFTFSHPNR

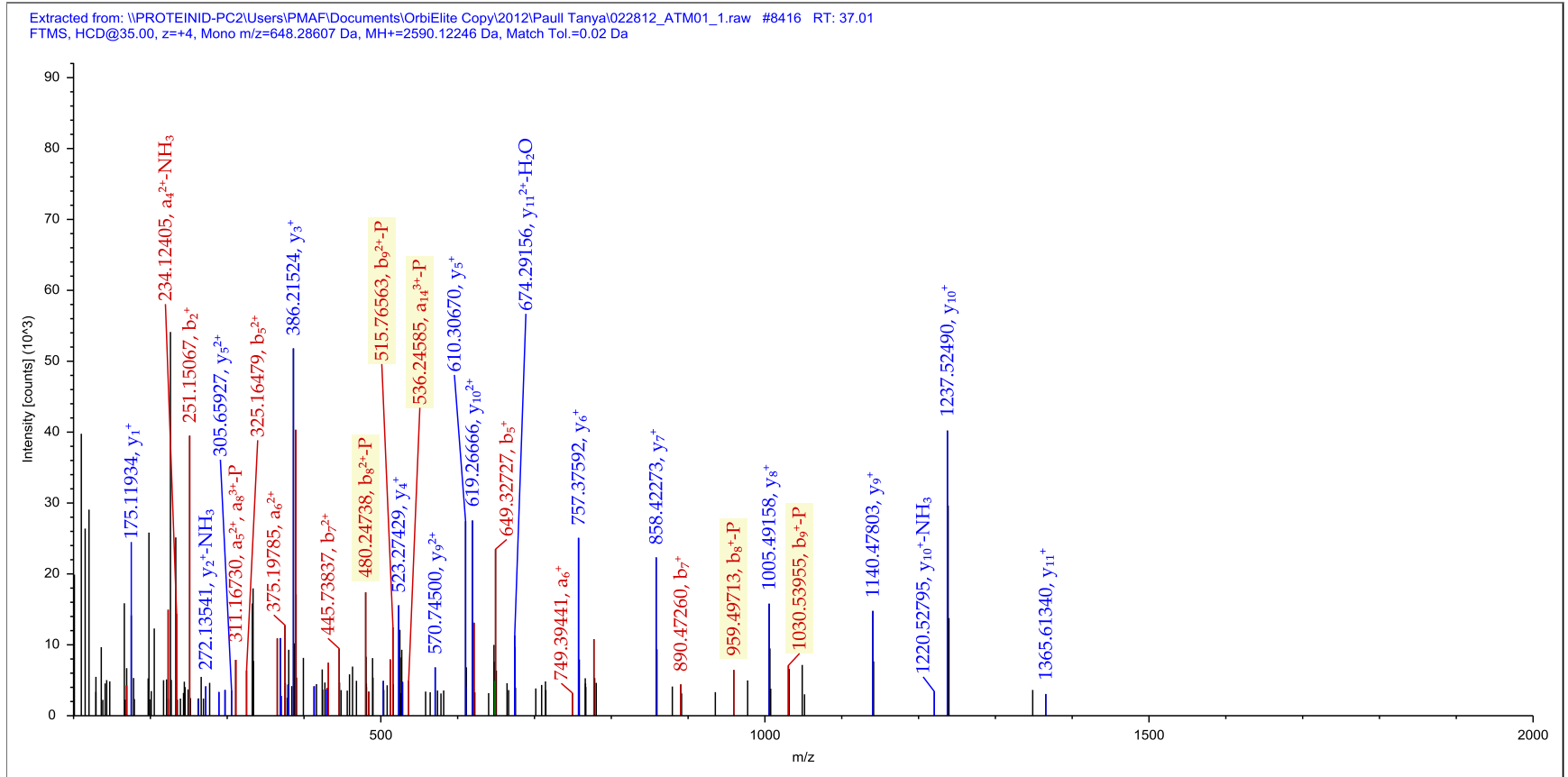
C13 sulfinic acid

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #4433 RT: 32.26
FTMS, CID@35.00, z=+4, Mono m/z=628.30066 Da, MH+=2510.18081 Da, Match Tol.=0.02 Da



PRMT5 LHNFHQLSAPQPCFTFSHPNR

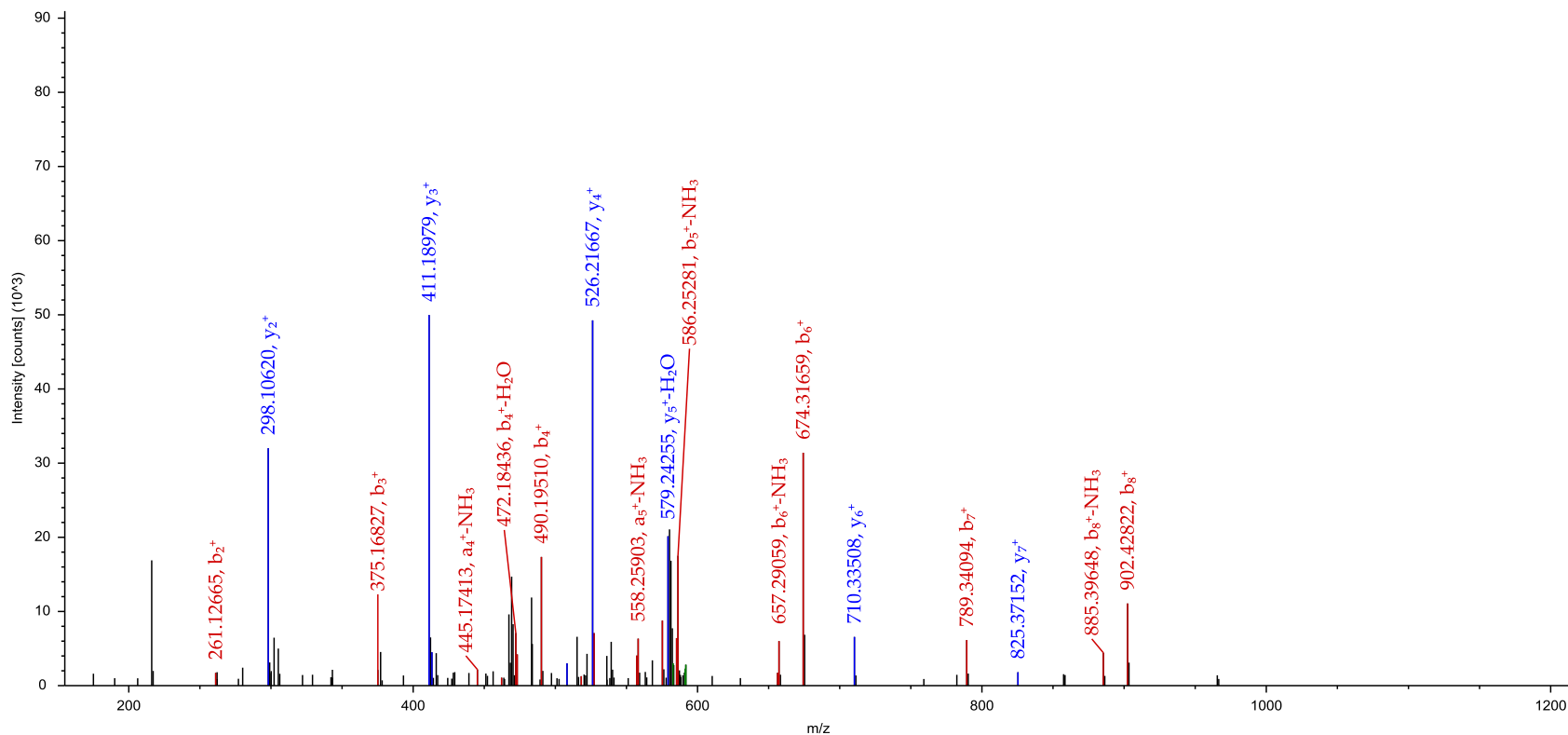
C13 sulfinic acid S8 phosphorylation



LMNDIADICK

C9 sulfonic acid M2 oxidation

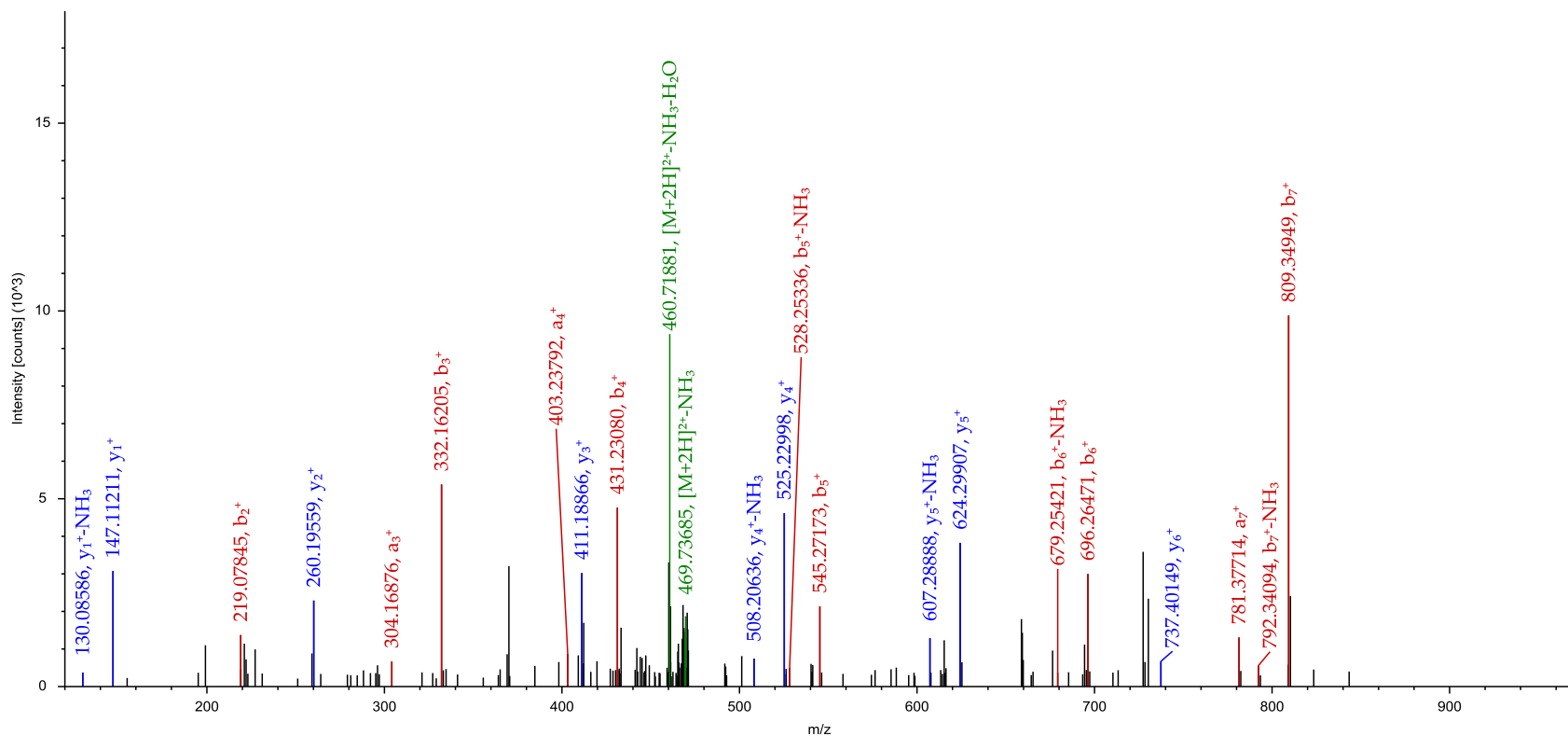
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #3478 RT: 26.56
FTMS, CID@35.00, z=+2, Mono m/z=600.26752 Da, MH+=1199.52776 Da, Match Tol.=0.02 Da



ATM MALVN_{CLK}

C6 sulfonic acid M1 oxidation

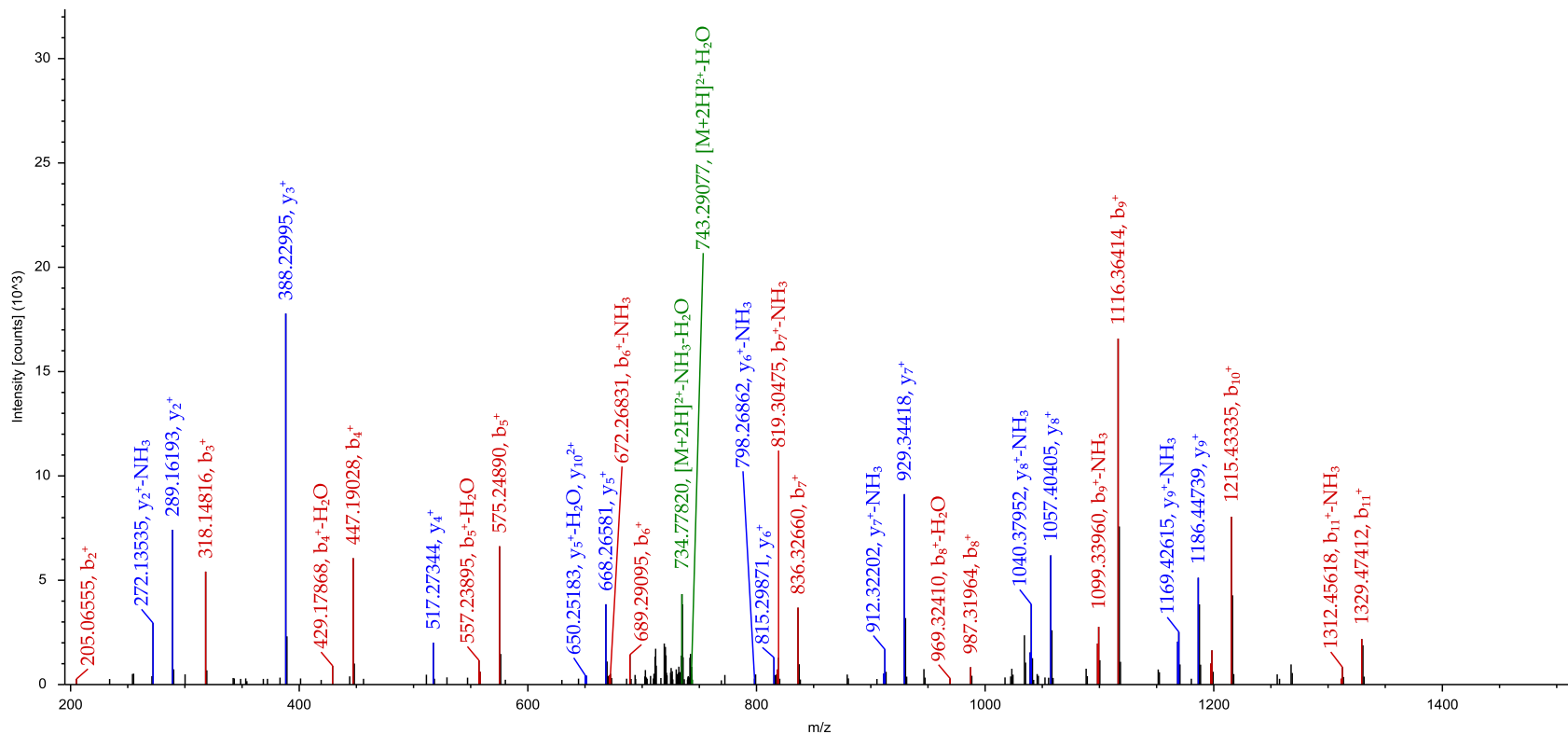
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #3552 RT: 27.02
FTMS, CID@35.00, z=+2, Mono m/z=478.23270 Da, MH+=955.45812 Da, Match Tol.=0.02 Da



ATM MGIEQNMCEVNR

C8 sulfonic acid M1,M7 oxidation

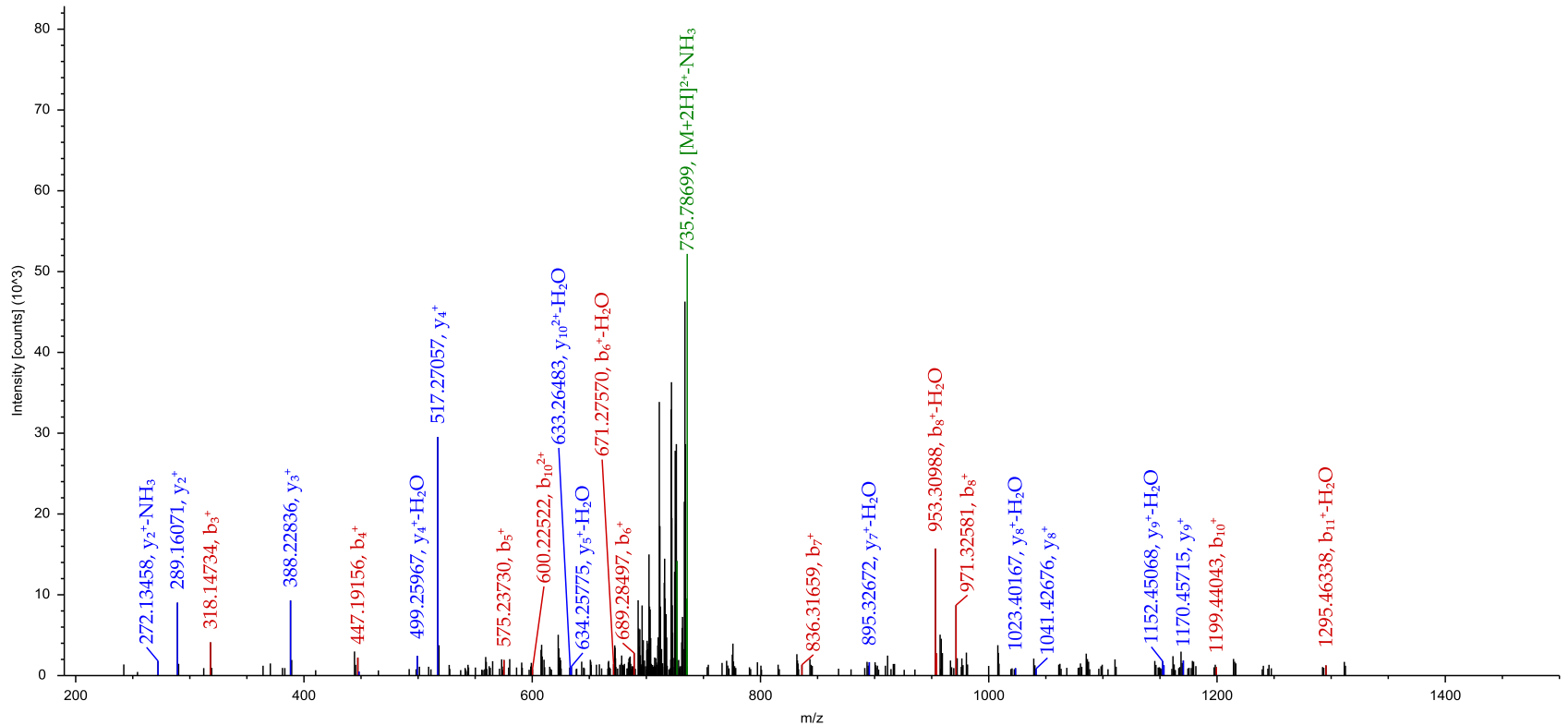
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #2173 RT: 18.52
FTMS, CID@35.00, z=+2, Mono m/z=752.29718 Da, MH+=1503.58708 Da, Match Tol.=0.02 Da



ATM MGIEQNMCEVNR

C8 sulfinic acid M1,M7 oxidation

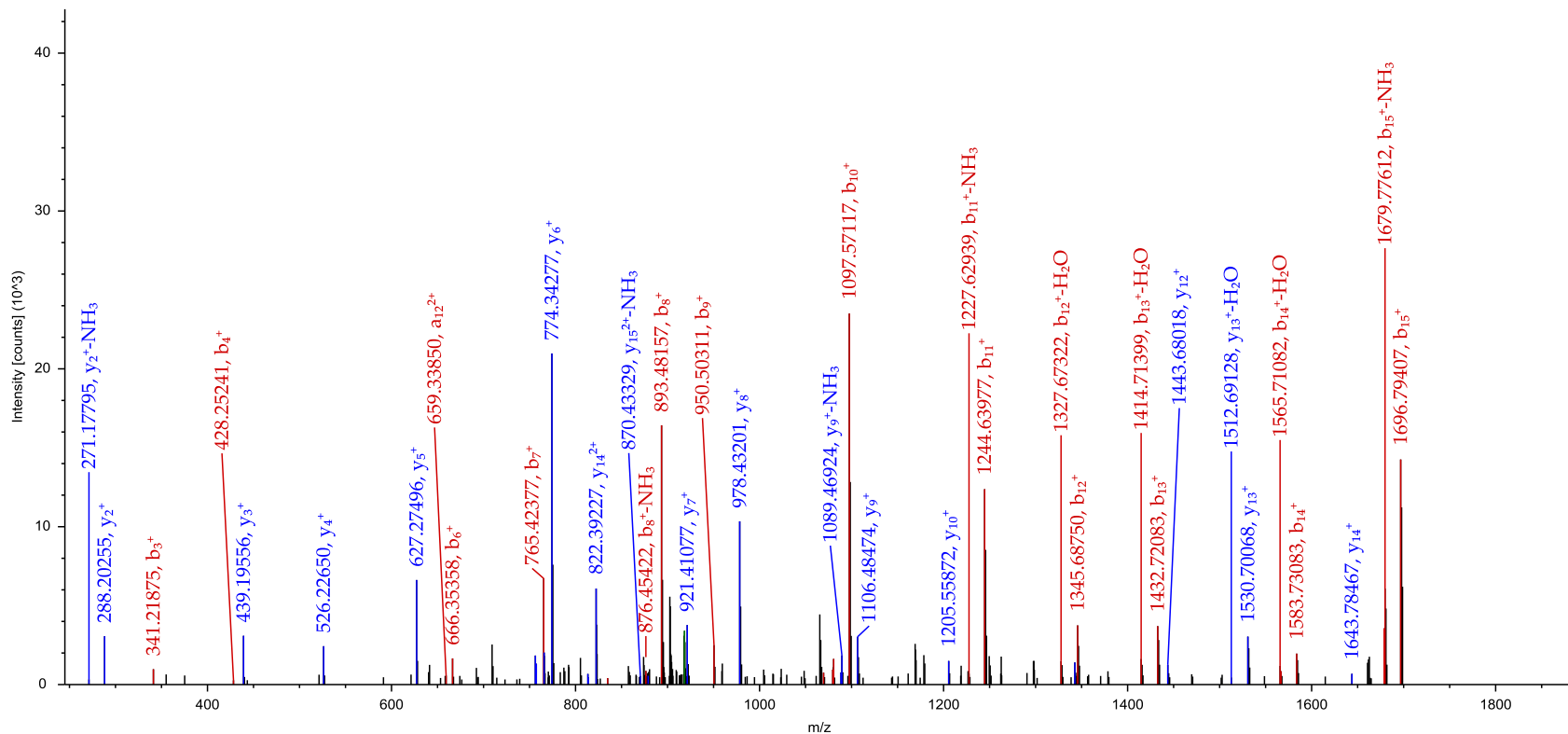
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\040312_ATM02_1d.raw #2534 RT: 20.76
FTMS, CID@35.00, z=+2, Mono m/z=744.29987 Da, MH+=1487.59245 Da, Match Tol.=0.02 Da



ATM NLLSTHVQGFFTS₂CLR

C14 sulfonic acid

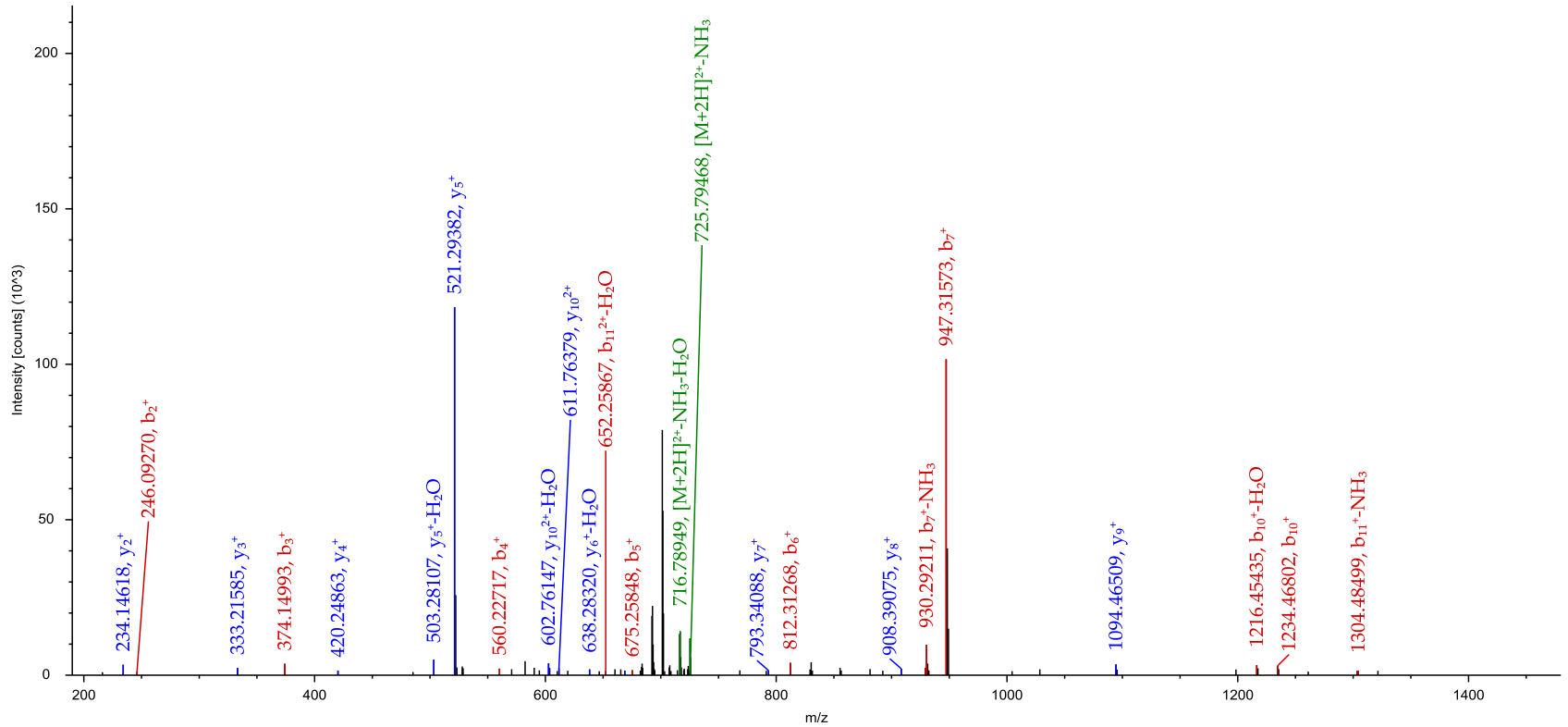
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #6626 RT: 45.28
FTMS, CID@35.00, z=+2, Mono m/z=935.95929 Da, MH+=1870.91130 Da, Match Tol.=0.02 Da



ATM NMQWDHCTSVSK

C7 sulfinic acid

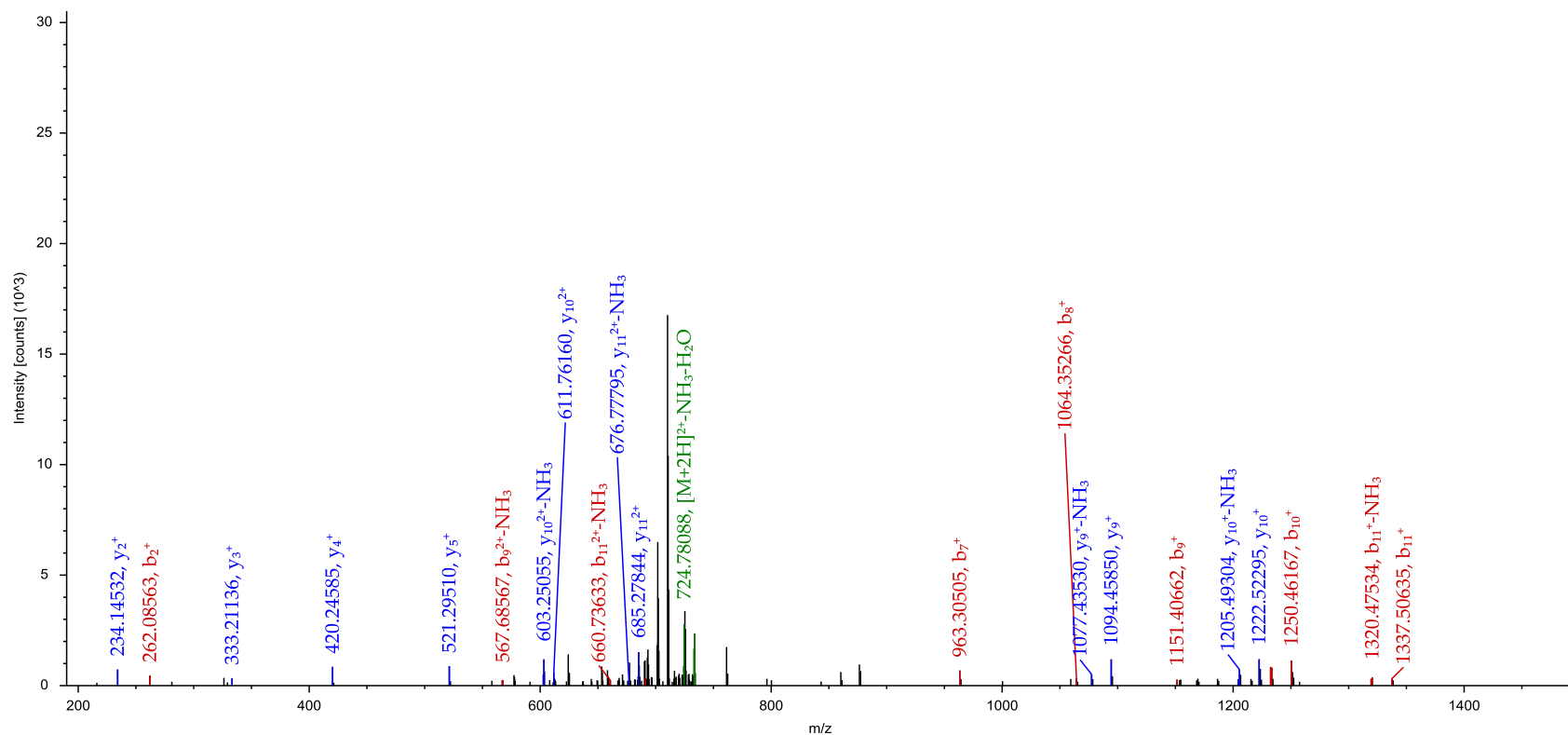
Extracted from: \\PROTEINID-PC2\Users\PMF\Documents\OrbiElite Copy\2012\Pauli Tanya\022812_ATM01_2.raw #5236 RT: 25.95
FTMS, CID@35.00, z=+2, Mono m/z=734.30414 Da, MH+=1467.60100 Da, Match Tol.=0.02 Da



ATM NMQWDHCTSVSK

C7 sulfinic acid M2 oxidation

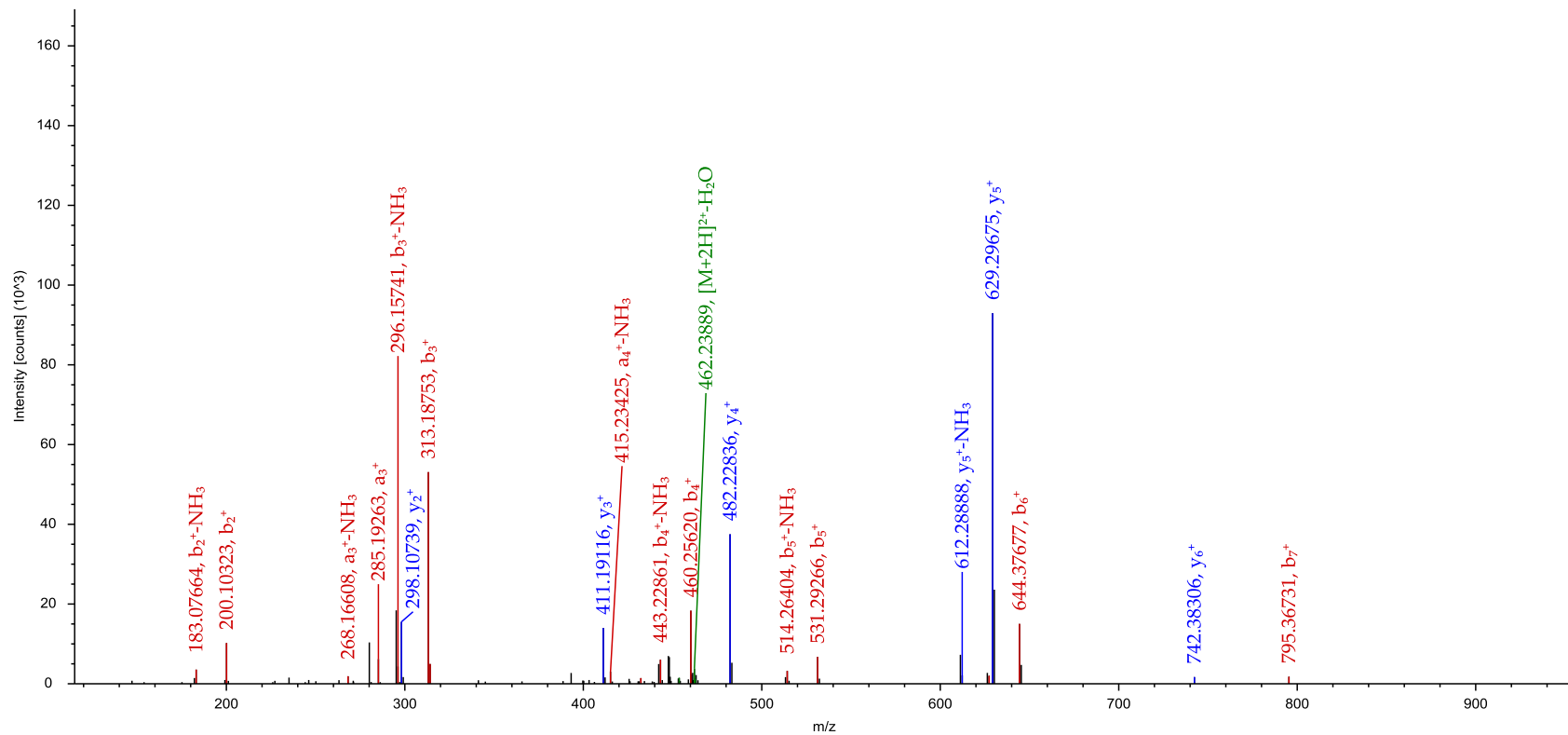
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\022912_ATM02_1d.raw #2257 RT: 19.81
FTMS, CID@35.00, z=+2, Mono m/z=742.30280 Da, MH+=1483.59831 Da, Match Tol.=0.02 Da



ATM QALFALCK

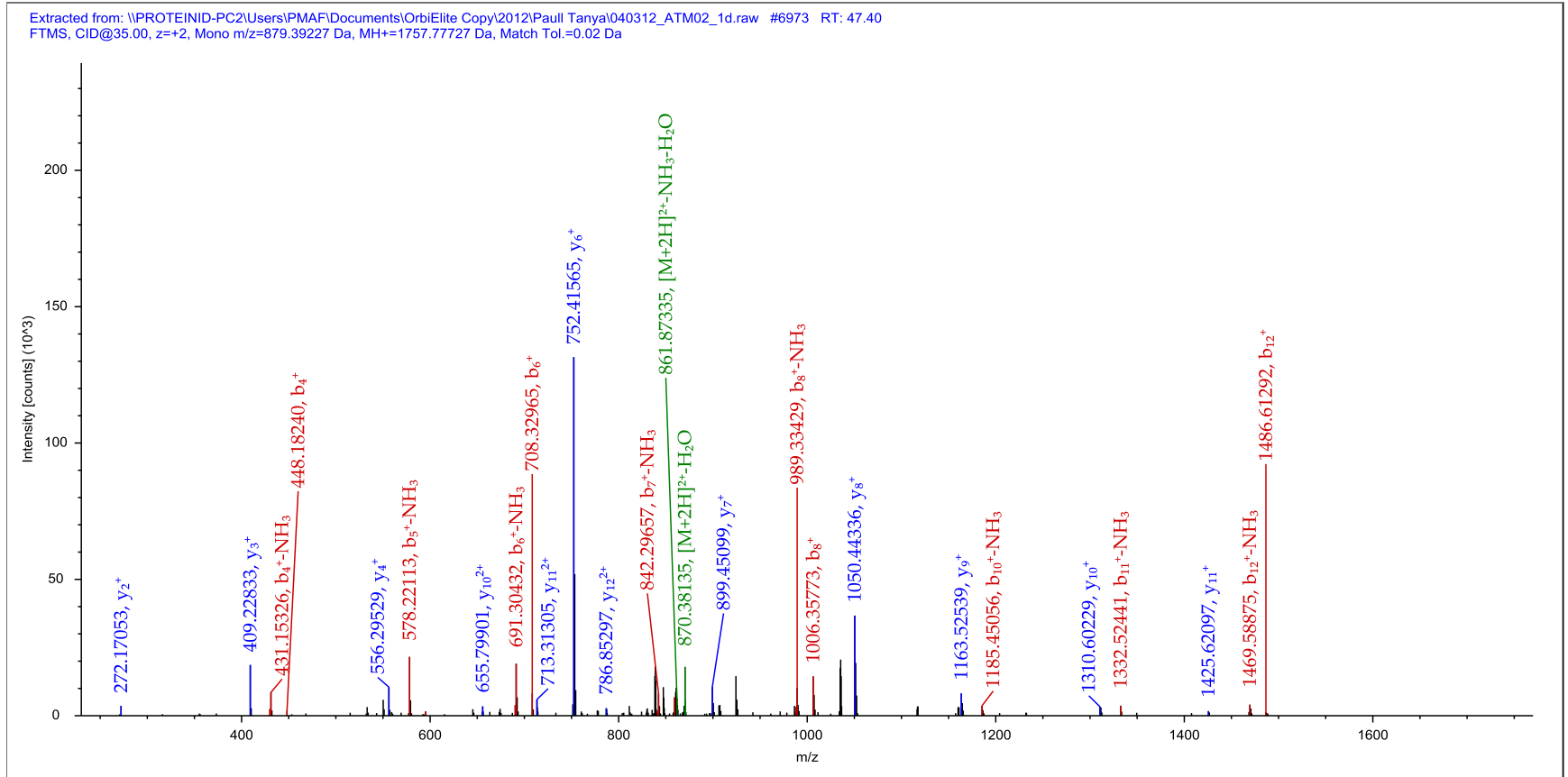
C7 sulfonic acid

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #5507 RT: 38.55
FTMS, CID@35.00, z=+2, Mono m/z=471.24161 Da, MH+=941.47594 Da, Match Tol.=0.02 Da



PRMT5 QGFDFLCMPVFHPR

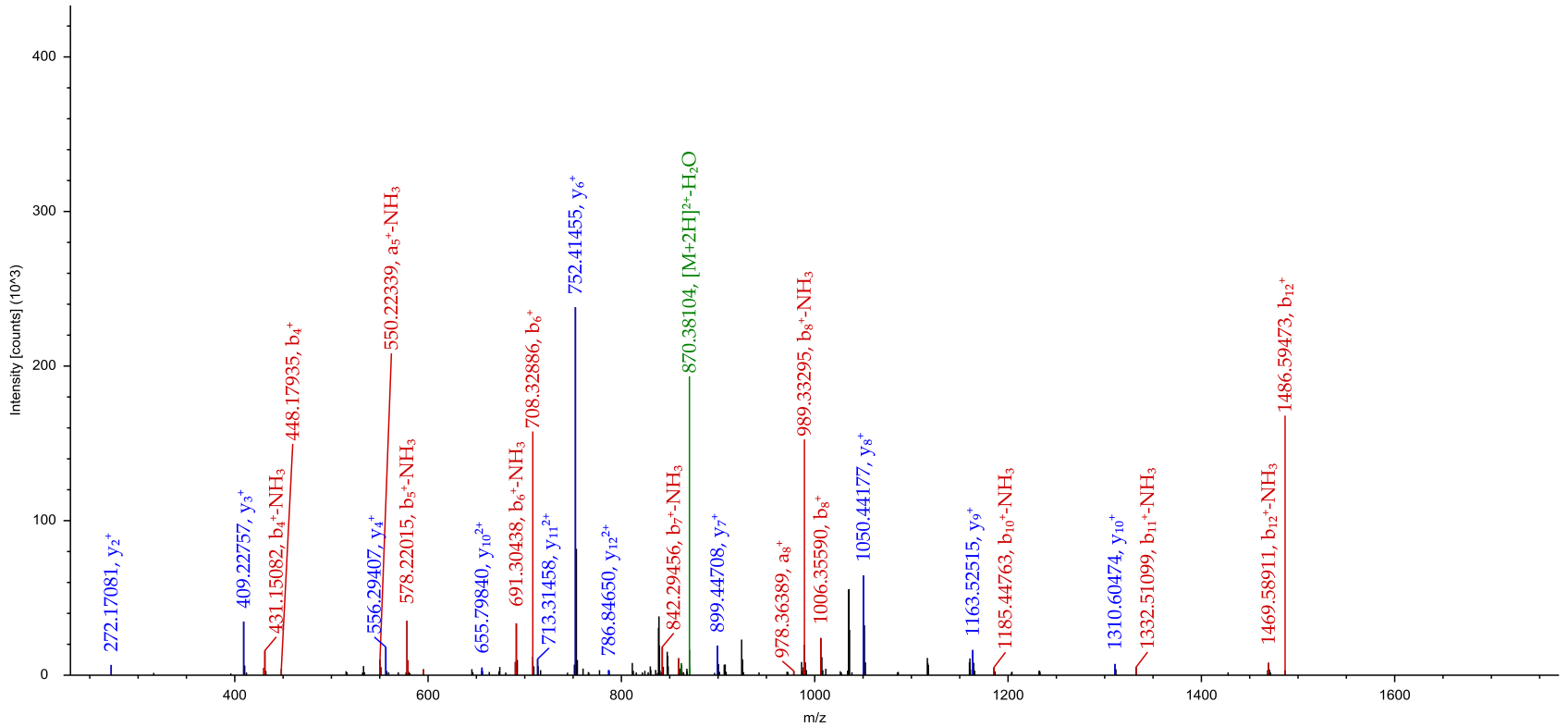
C7 sulfonic acid M8 oxidation



PRMT5 QGFDFLCMPVFHPR

C7 sulfonic acid M8 oxidation

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #7009 RT: 47.63
FTMS, CID@35.00, z=+2, Mono m/z=879.39252 Da, MH+=1757.77776 Da, Match Tol.=0.02 Da

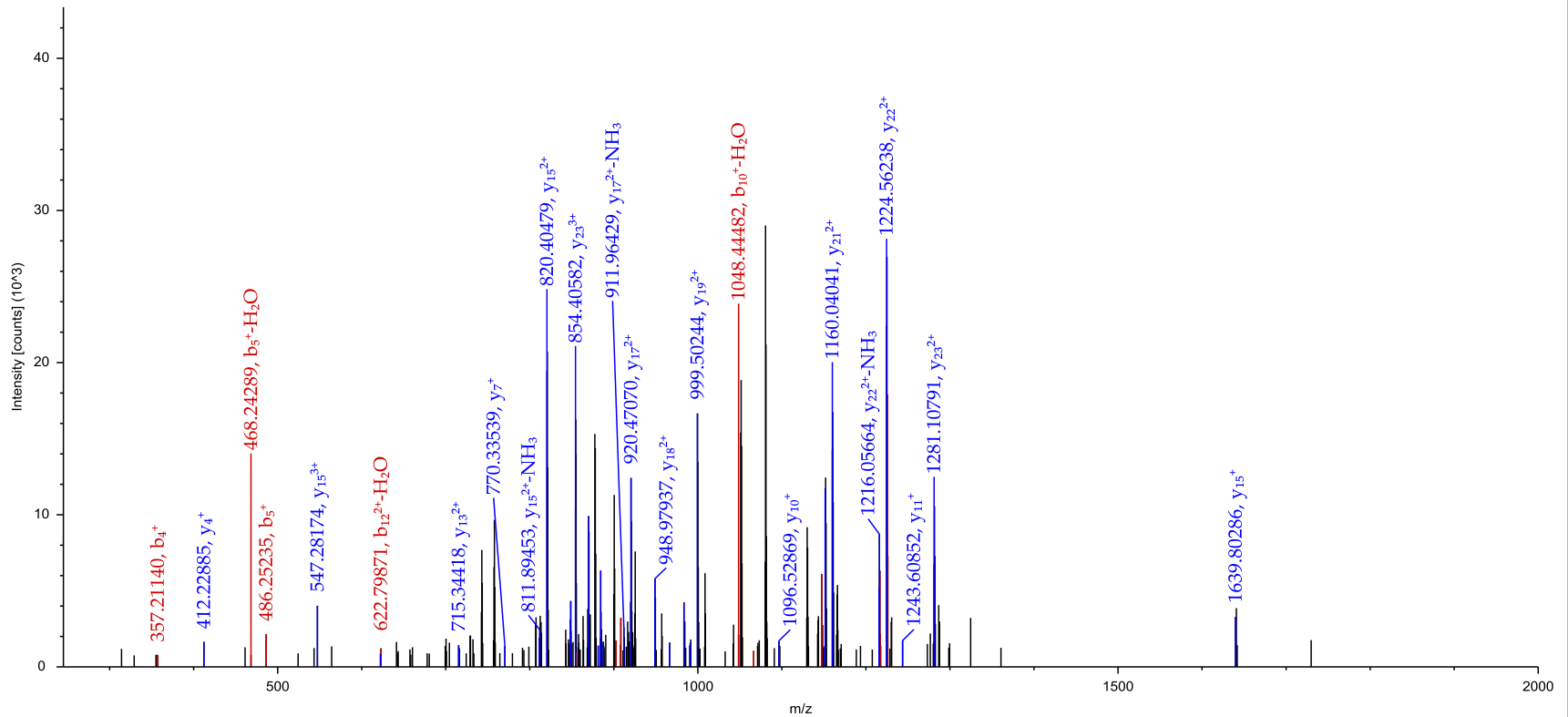


ATM

SGVLEWCTGTVPIGEFLVNNEDGAHK

C7 sulfinic acid

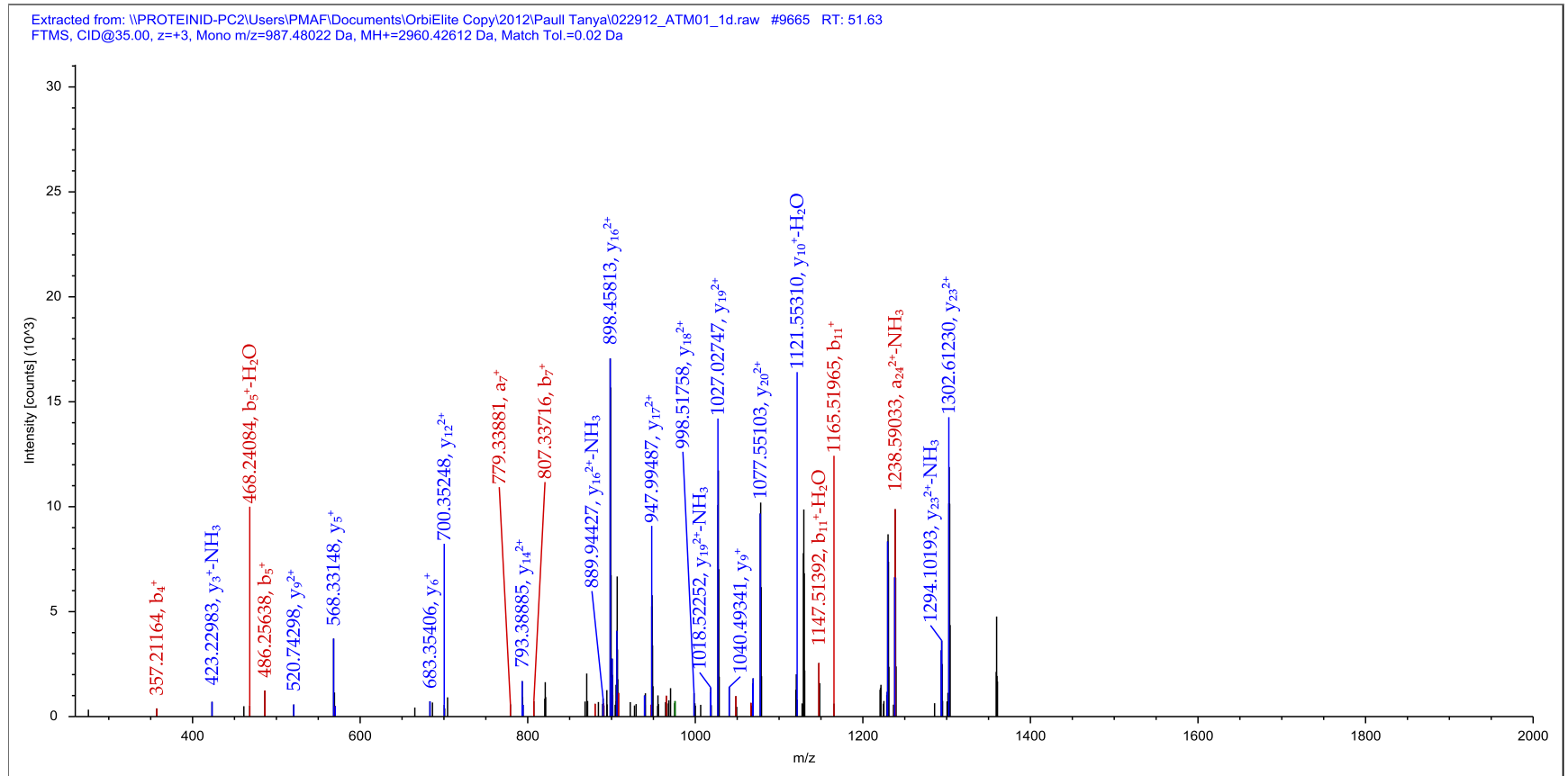
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\022912_ATM01_1d.raw #10069 RT: 53.44
FTMS, CID@35.00, z=+3, Mono m/z=935.44666 Da, MH+=2804.32541 Da, Match Tol.=0.02 Da



ATM

SGVLEWCTGTVPIGEFLVNNEDGAHKR

C7 sulfonic acid

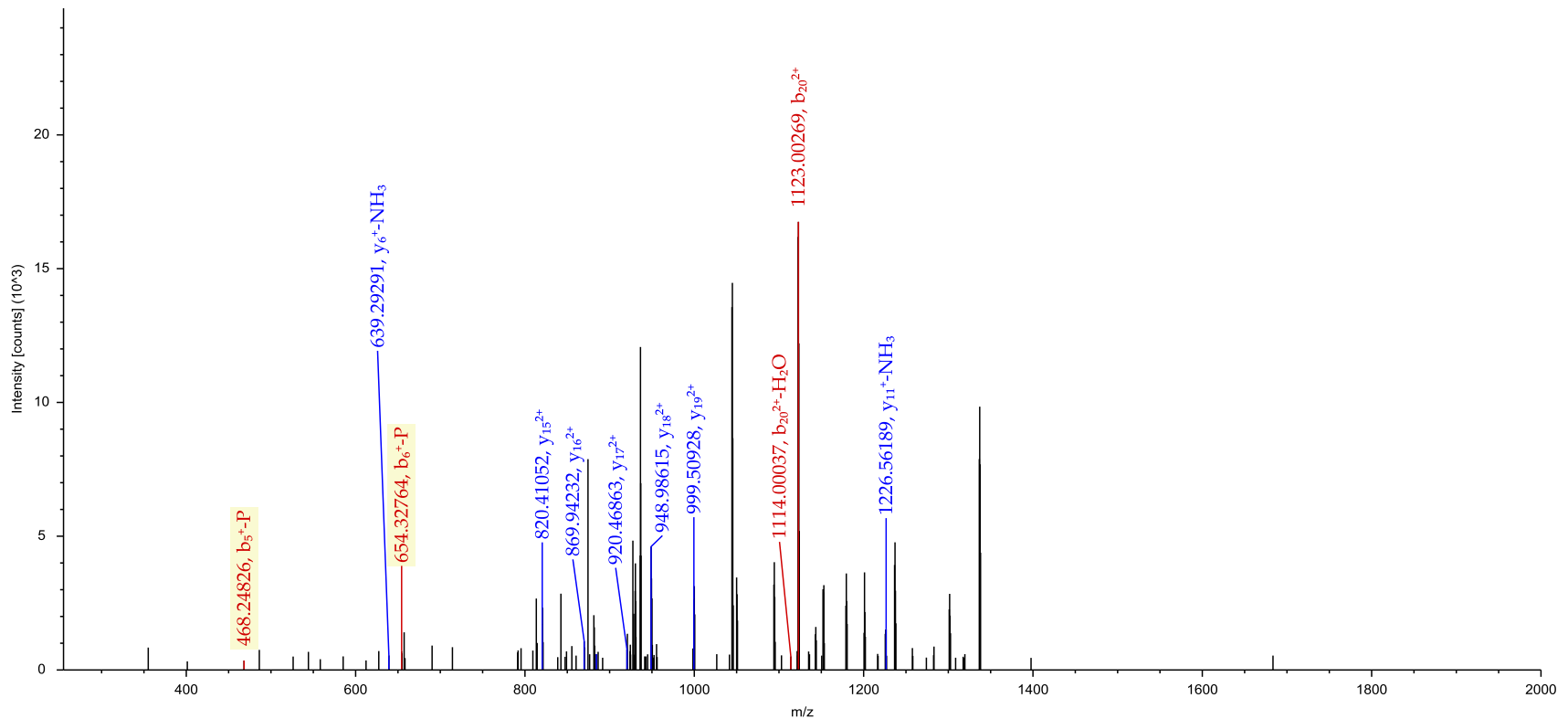


ATM

SGVLEWCTGTVPIGEFLVNNEDGAHKR

C7 sulfonic acid S1 phosphorylation

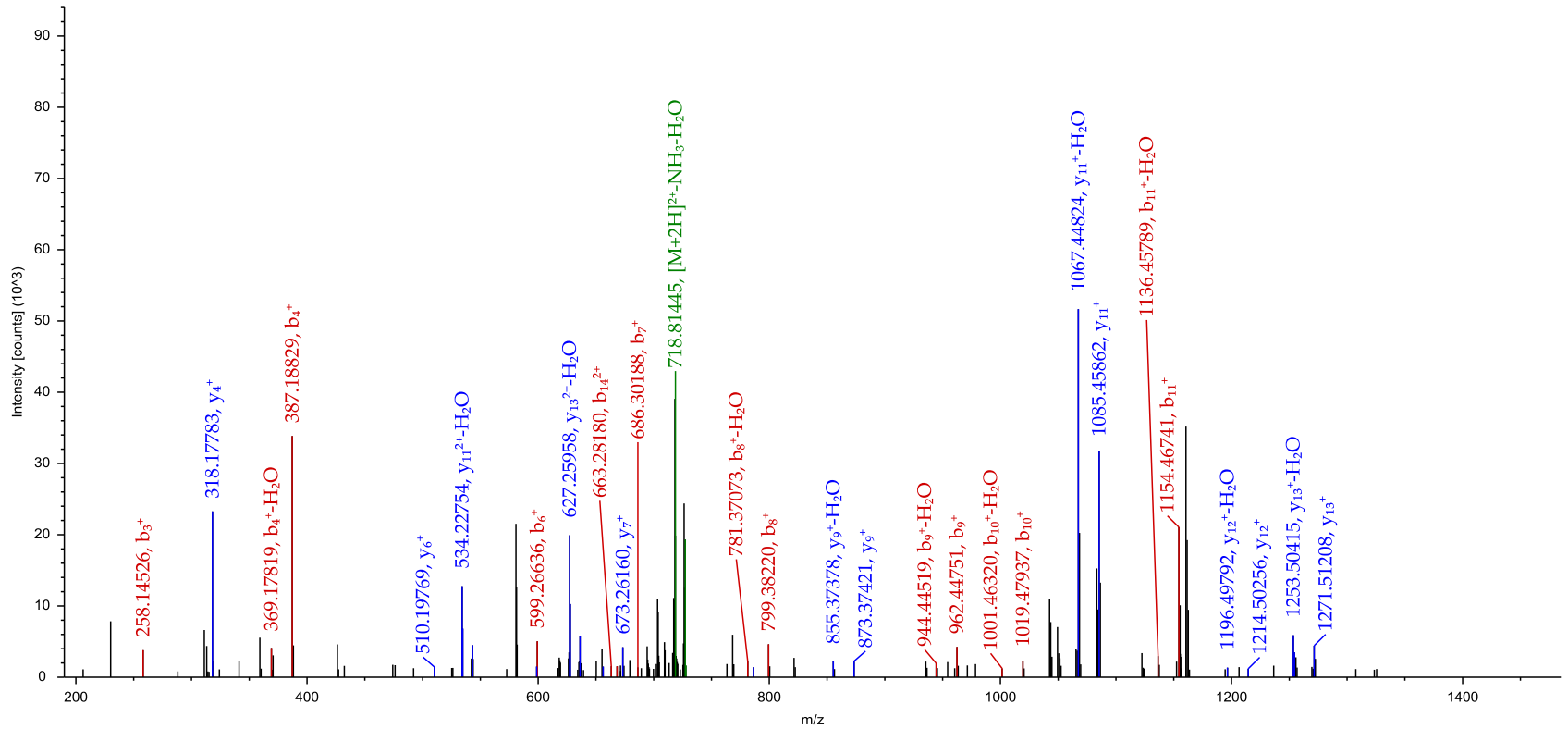
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Paul Tanya\040312_ATM02_1d.raw #6526 RT: 44.62
FTMS, CID@35.00, z=+3, Mono m/z=967.43744 Da, MH+=2900.29776 Da, Match Tol.=0.02 Da



ATM SIGEPDSLYG_CGGGK

C11 sulfinic acid

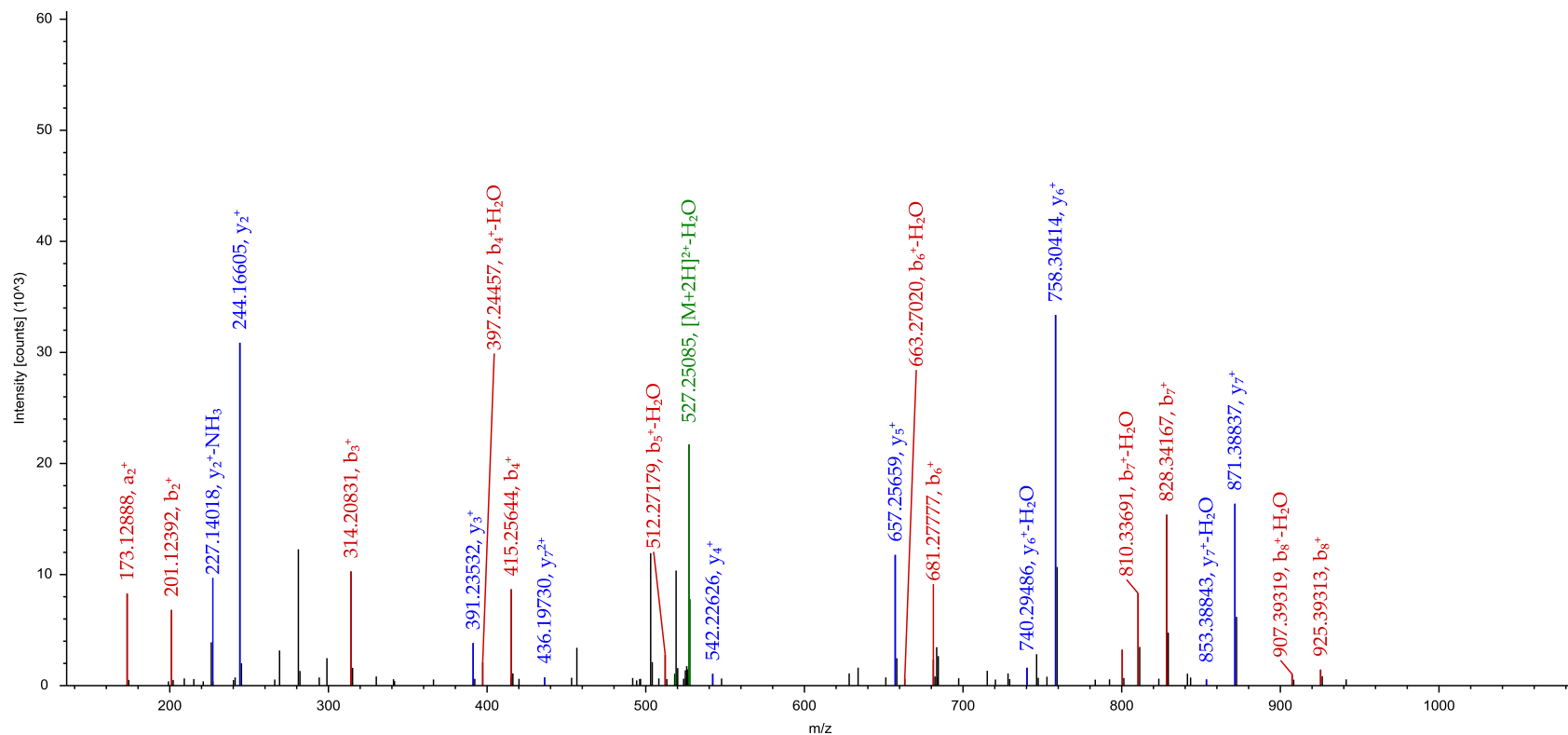
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #4072 RT: 30.16
FTMS, CID@35.00, z=+2, Mono m/z=736.32239 Da, MH+=1471.63750 Da, Match Tol.=0.02 Da



ATM SLLTD_CFPK

C6 sulfonic acid

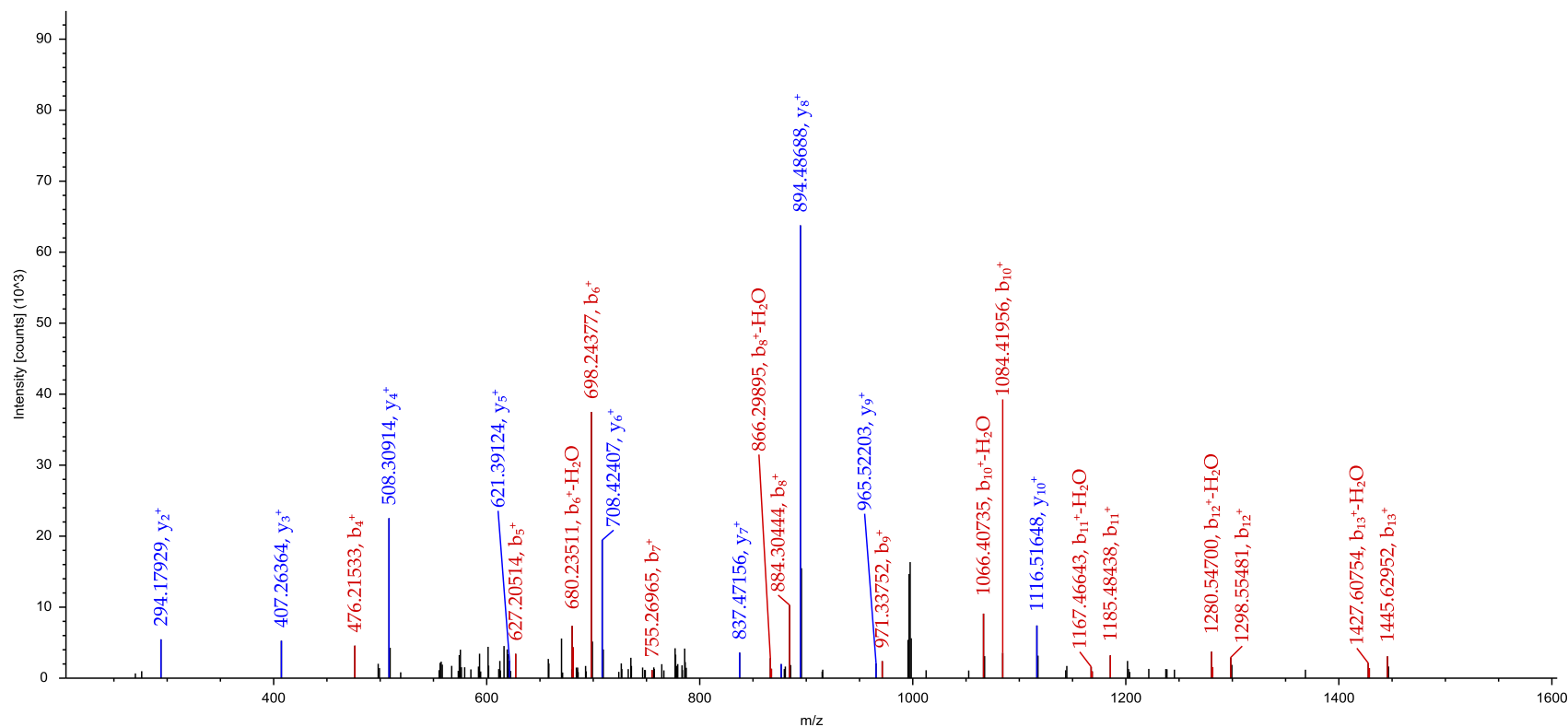
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #5548 RT: 38.79
FTMS, CID@35.00, z=+2, Mono m/z=536.25464 Da, MH+=1071.50200 Da, Match Tol.=0.02 Da



ATM SLMQ_CAGESITLTK

C5 sulfonic acid M3 oxidation

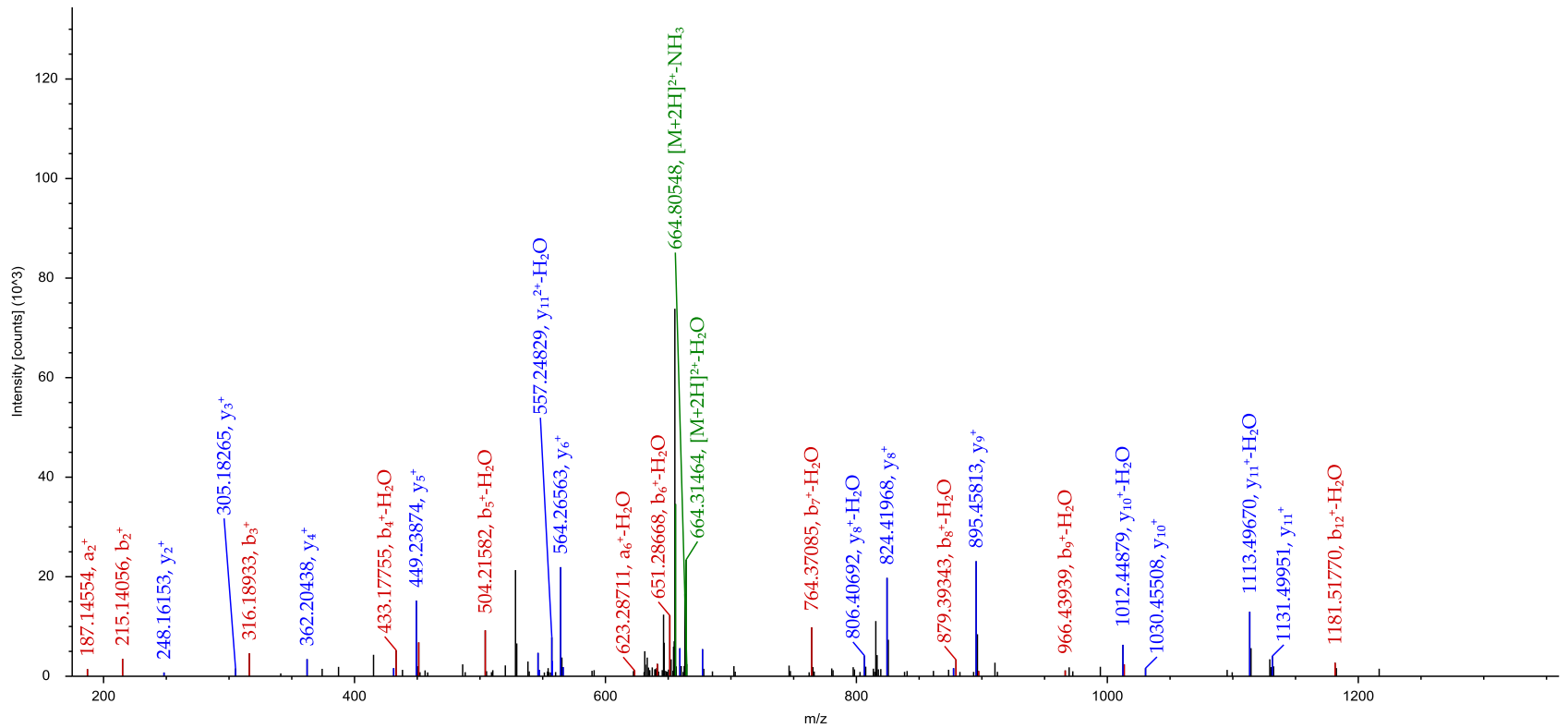
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #5995 RT: 41.42
FTMS, CID@35.00, z=+2, Mono m/z=796.37085 Da, MH+=1591.73442 Da, Match Tol.=0.02 Da



ATM TLTC AFLDSGGTK

C4 sulfinic acid

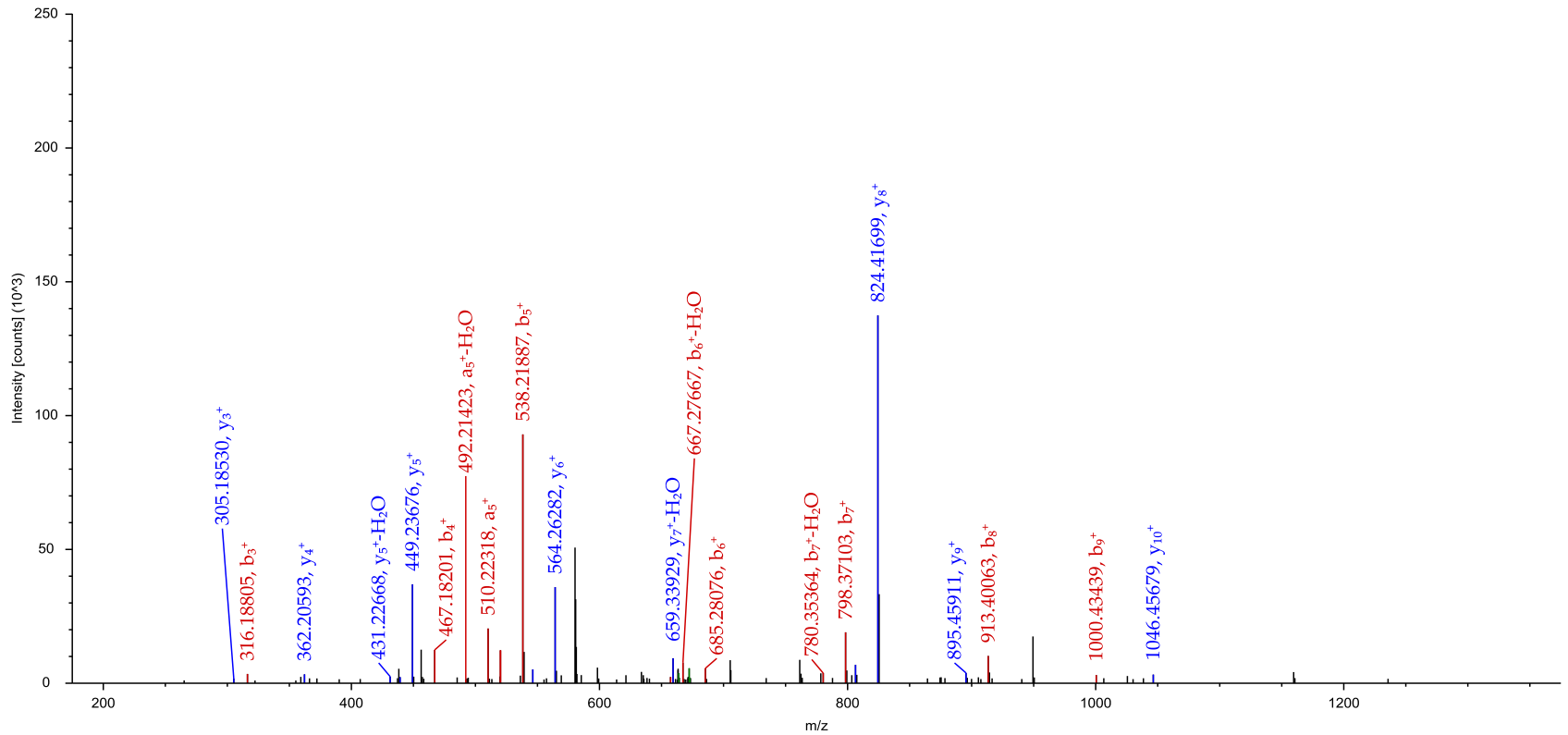
Extracted from: \\PROTEINID-PC2\\Users\\PMAF\\Documents\\OrbiElite Copy\\2012\\Pauli Tanya\\040312_ATM02_1d.raw #5409 RT: 37.96
FTMS, CID@35.00, z=+2, Mono m/z=673.31921 Da, MH+=1345.63115 Da, Match Tol.=0.02 Da



ATM TLTC AFLDSGGTK

C4 sulfonic acid

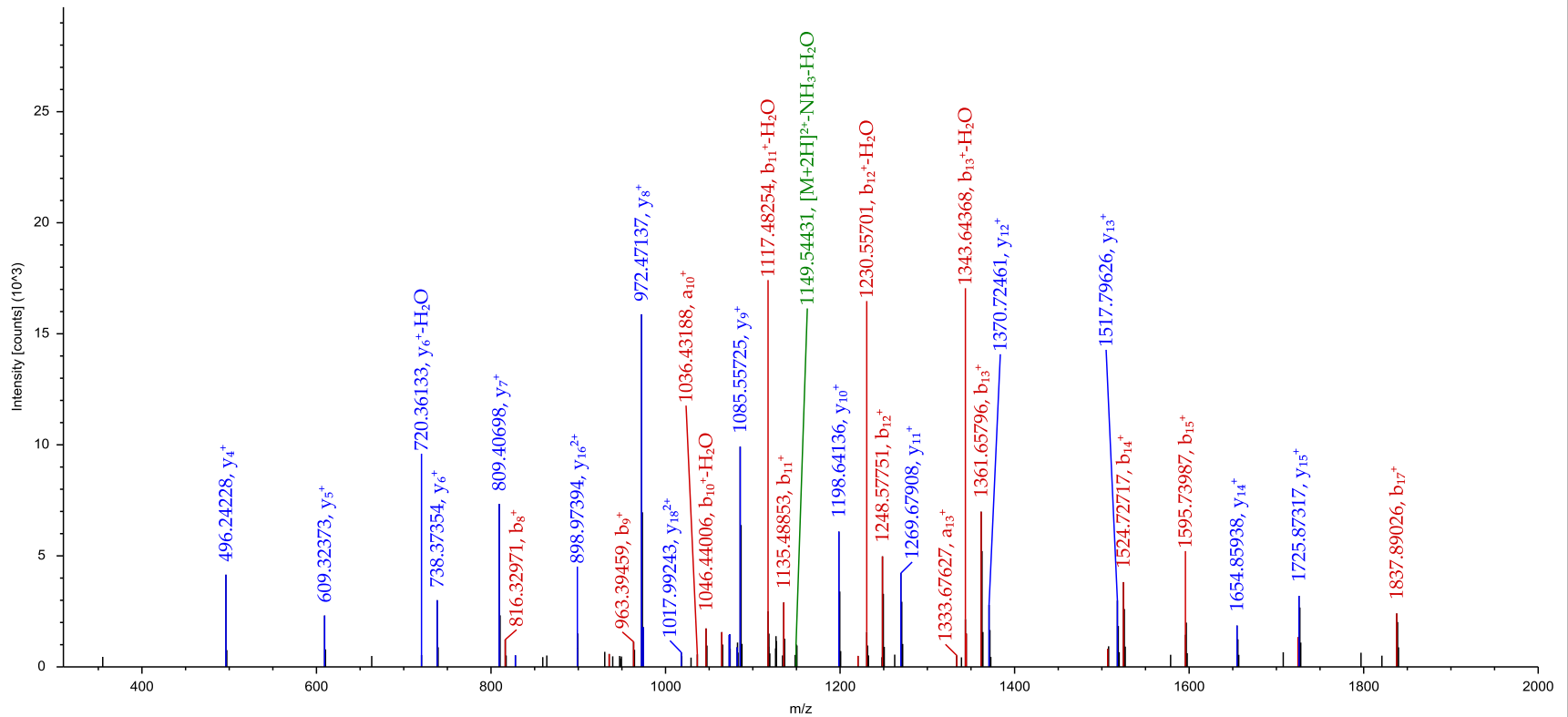
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #5372 RT: 37.75
FTMS, CID@35.00, z=+2, Mono m/z=681.31696 Da, MH+=1361.62663 Da, Match Tol.=0.02 Da



ATM VAQSCAAHFTALLYAEIYADK

C5 sulfonic acid

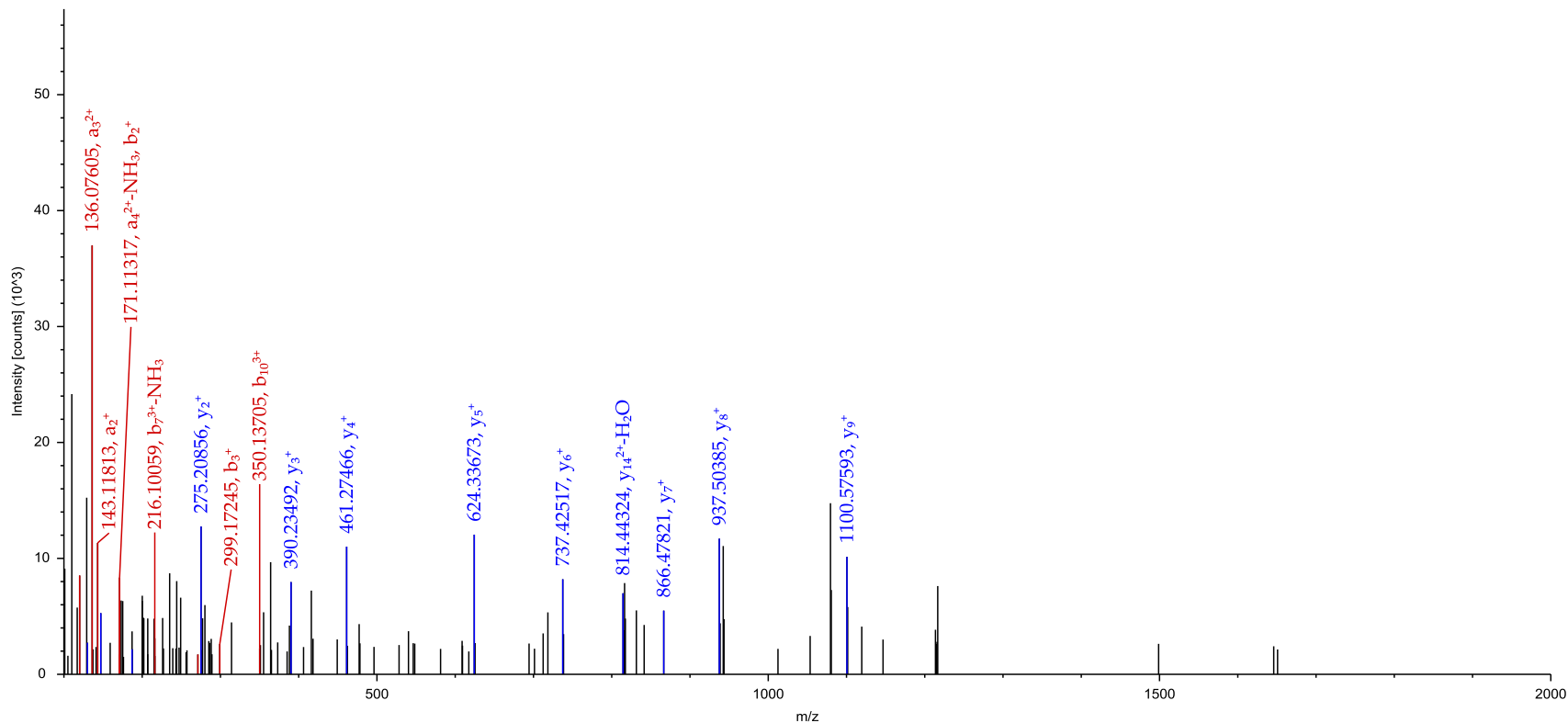
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #7615 RT: 51.55
FTMS, CID@35.00, z=+2, Mono m/z=1167.05945 Da, MH+=2333.11162 Da, Match Tol.=0.02 Da



ATM VAQSCAAHFTALLYAEIYADKK

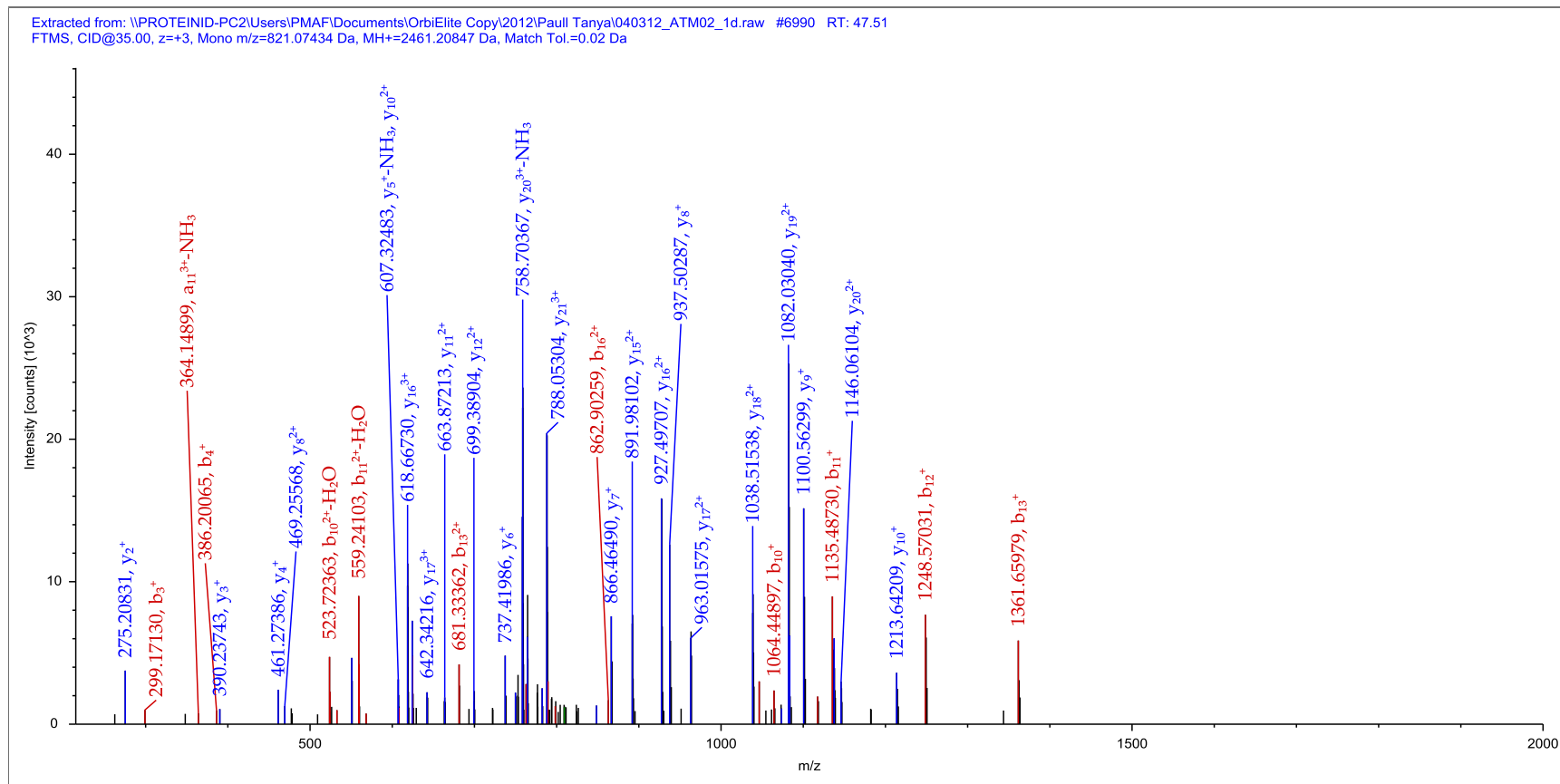
C5 sulfinic acid

Extracted from: \\PROTEINID-PC2\\Users\\PMAF\\Documents\\OrbiElite Copy\\2012\\Pauli Tanya\\022912_ATM02_1.raw #13467 RT: 51.53
FTMS, HCD@35.00, z=+3, Mono m/z=815.74445 Da, MH+=2445.21878 Da, Match Tol.=0.02 Da



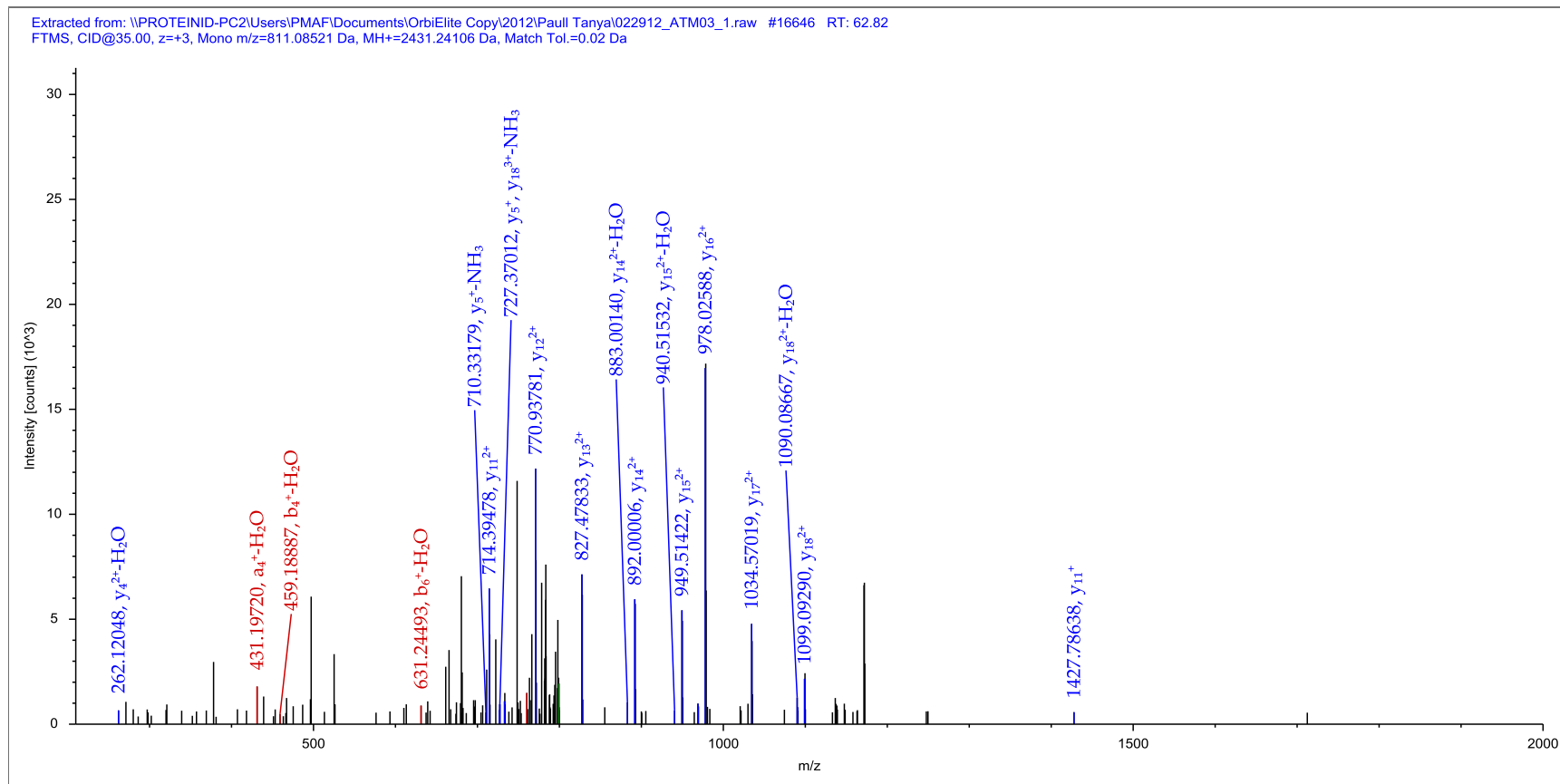
ATM VAQSCAAHFTALLYAEIYADKK

C5 sulfonic acid



ATM VCELGDEILPTLLYIWTQHR

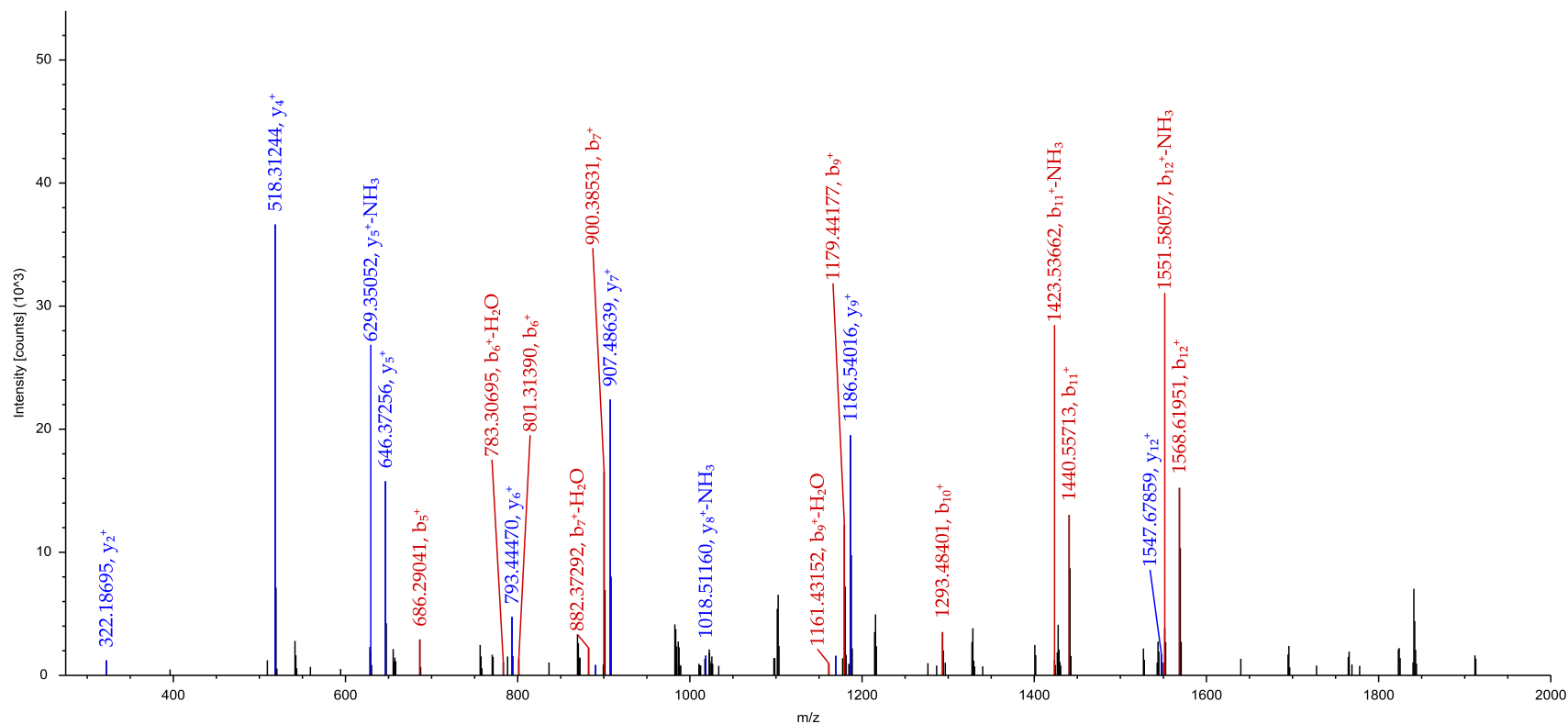
C2 sulfinic acid



ATM YEVM DV_CQNFQPVFR

C8 sulfonic acid M5 oxidation

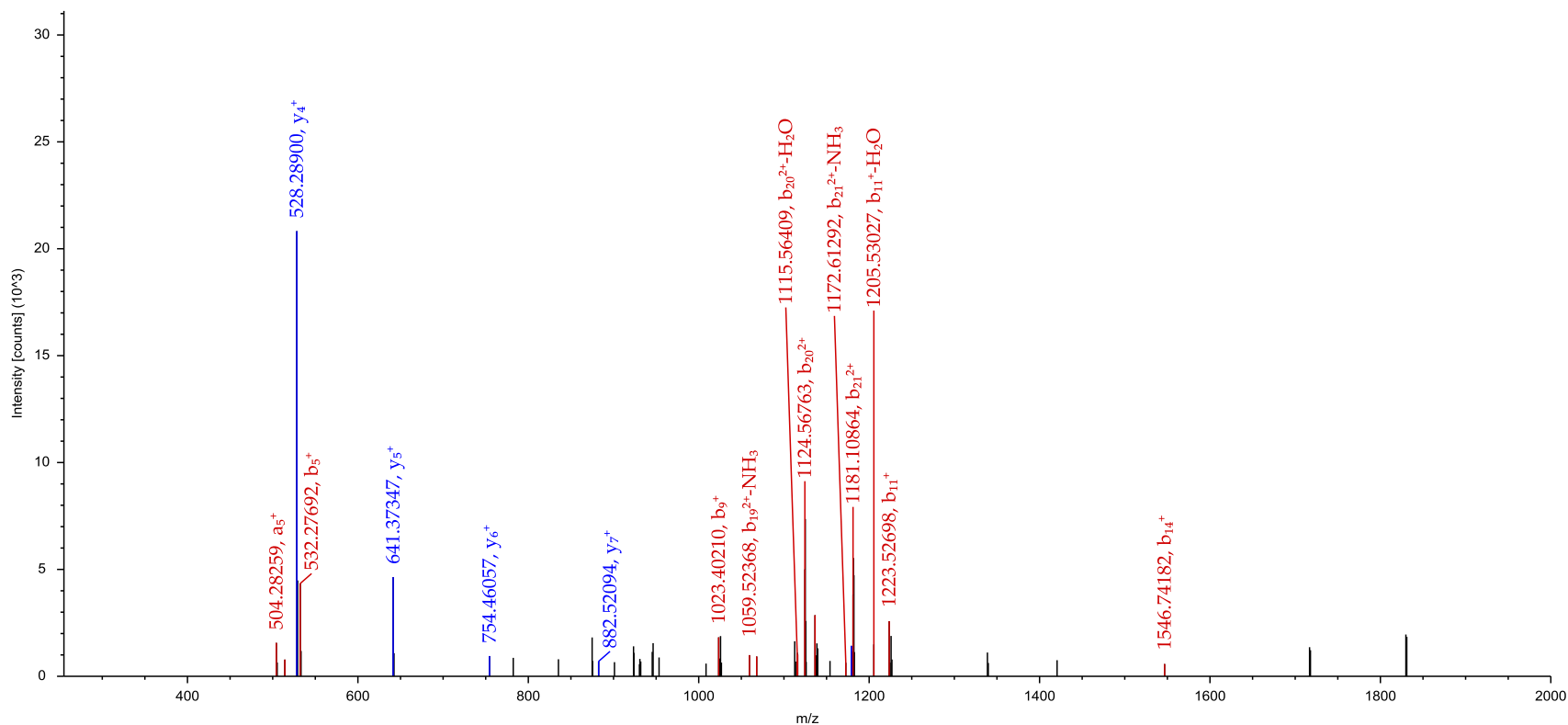
Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #6900 RT: 46.95
FTMS, CID@35.00, z=+2, Mono m/z=1043.45703 Da, MH+=2085.90679 Da, Match Tol.=0.02 Da



ATM YPASLPNCELSPLLMILSQLLPQQR

C8 sulfonic acid M15 oxidation

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\022912_ATM02_1d.raw #13634 RT: 64.26
FTMS, CID@35.00, z=+3, Mono m/z=963.50226 Da, MH+=2888.49222 Da, Match Tol.=0.02 Da



ATM YRPNDFSAFQCQK

C11 sulfonic acid

Extracted from: \\PROTEINID-PC2\Users\PMAF\Documents\OrbiElite Copy\2012\Pauli Tanya\040312_ATM02_1d.raw #3946 RT: 29.39
FTMS, CID@35.00, z=+2, Mono m/z=826.36121 Da, MH+=1651.71514 Da, Match Tol.=0.02 Da

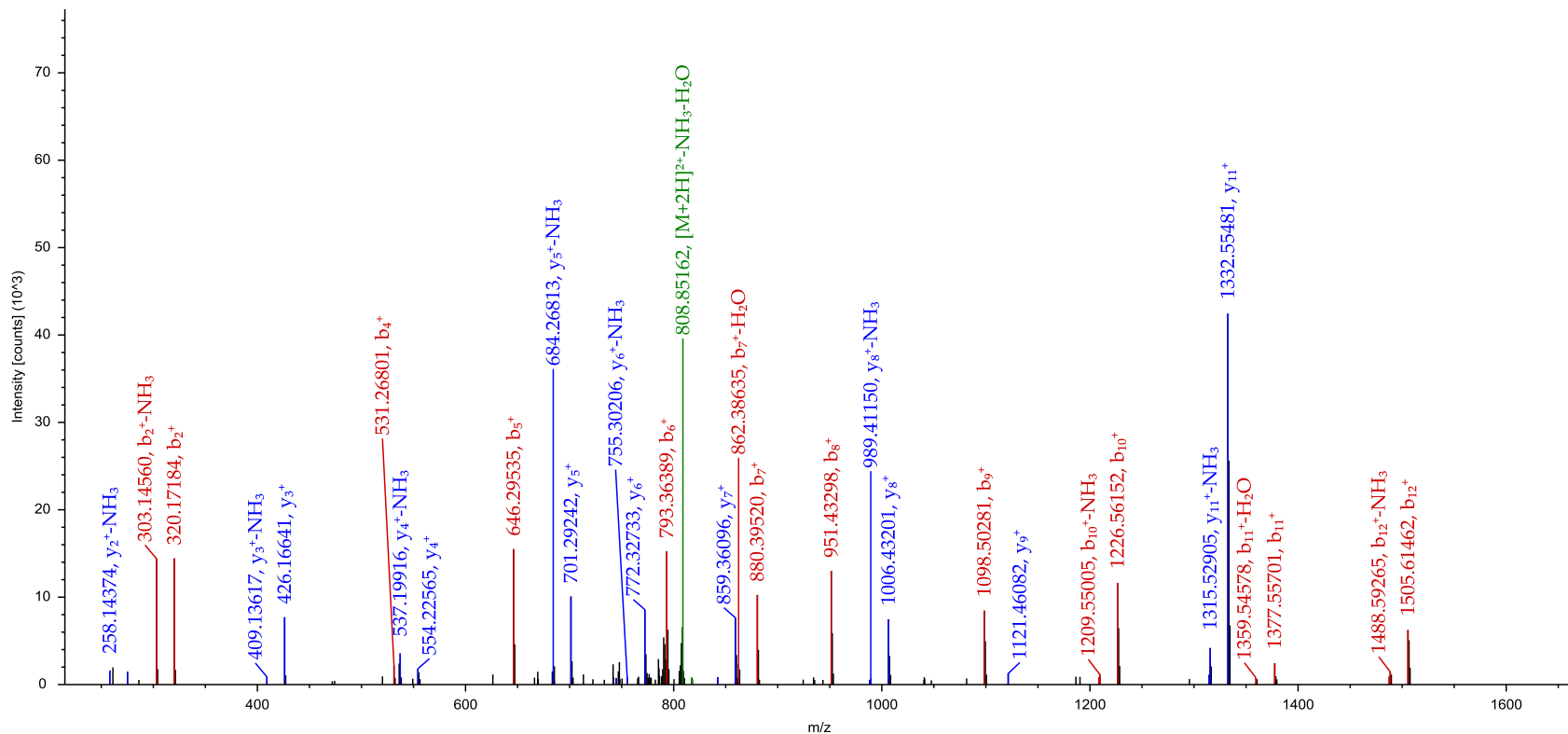
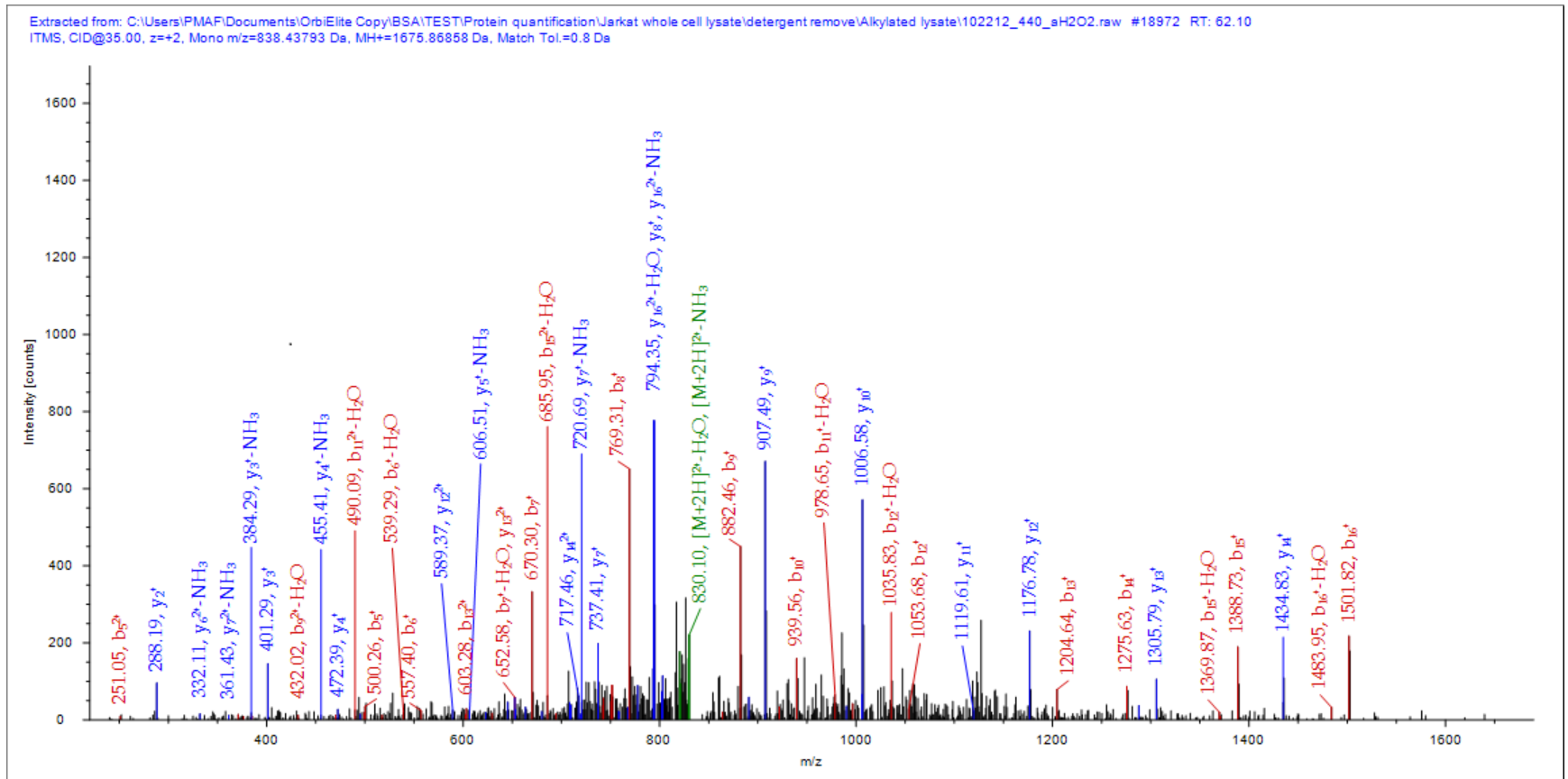
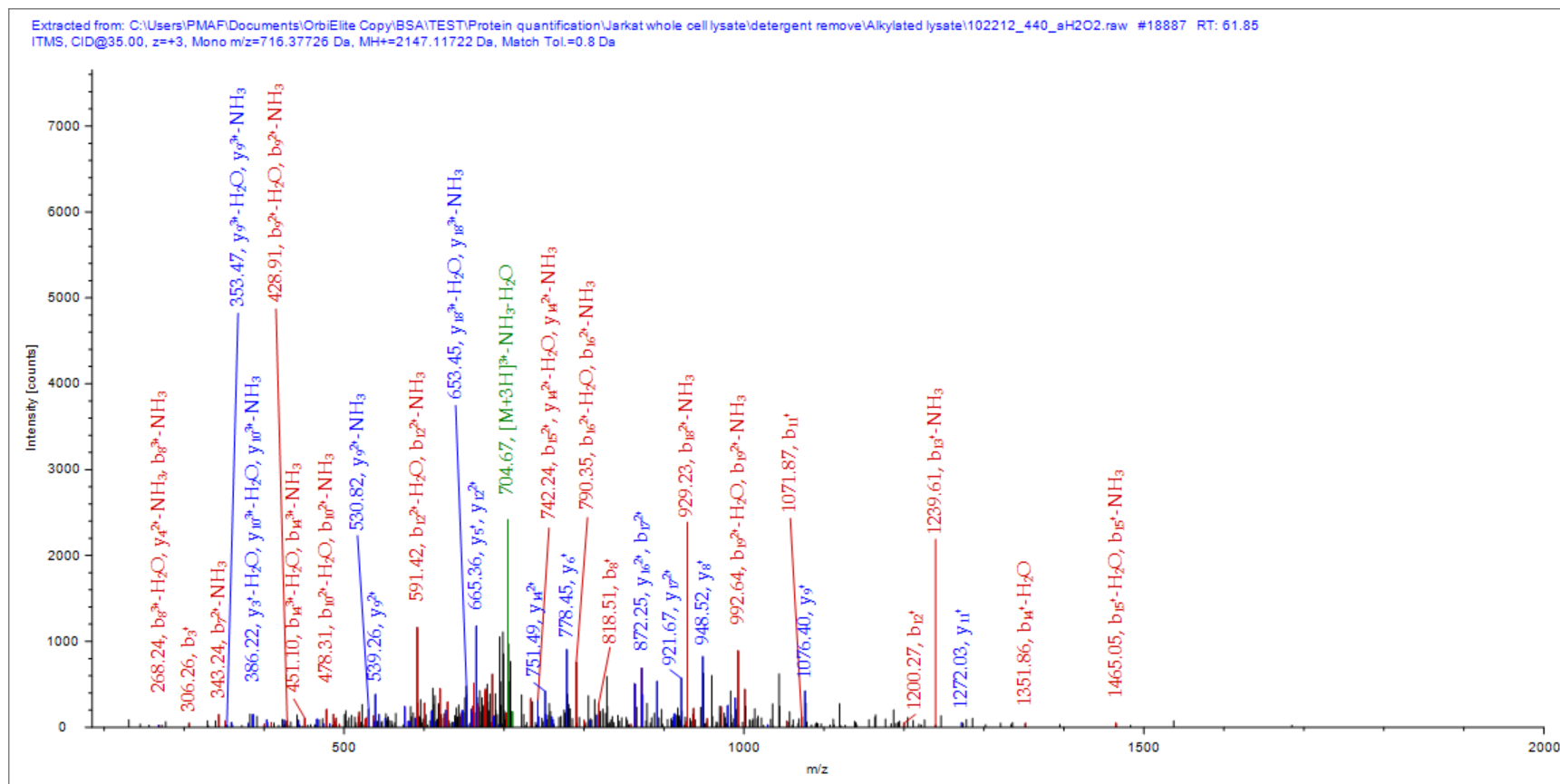


Figure S3. MS/MS of sulfinic and sulfonic acid peptides identified from H₂O₂ treated lysate

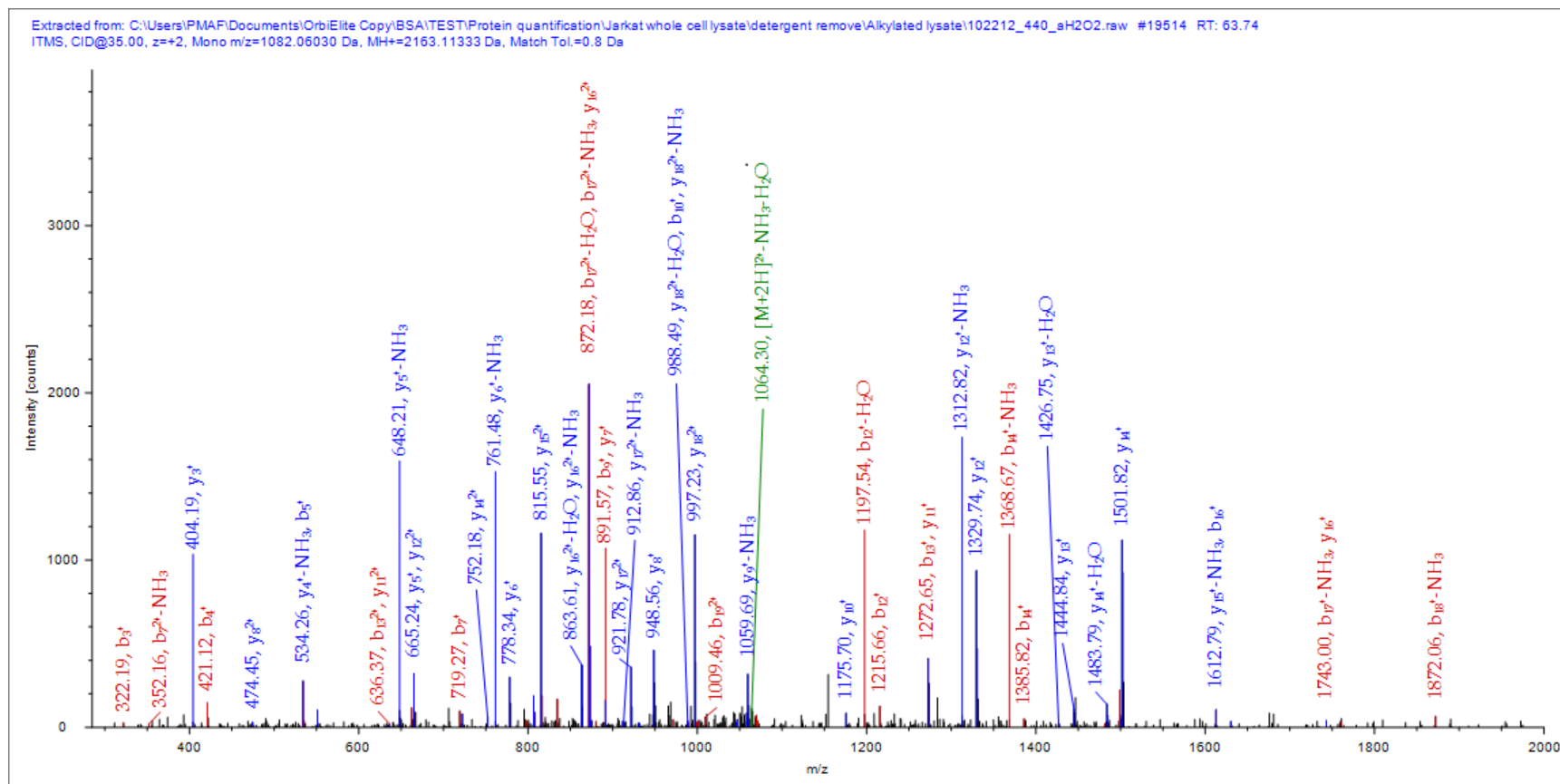
AAVEEGIVLGGGCALLR C13 S03H



AVCVLKGDGPVQGIINFEQK_C3_SO2H

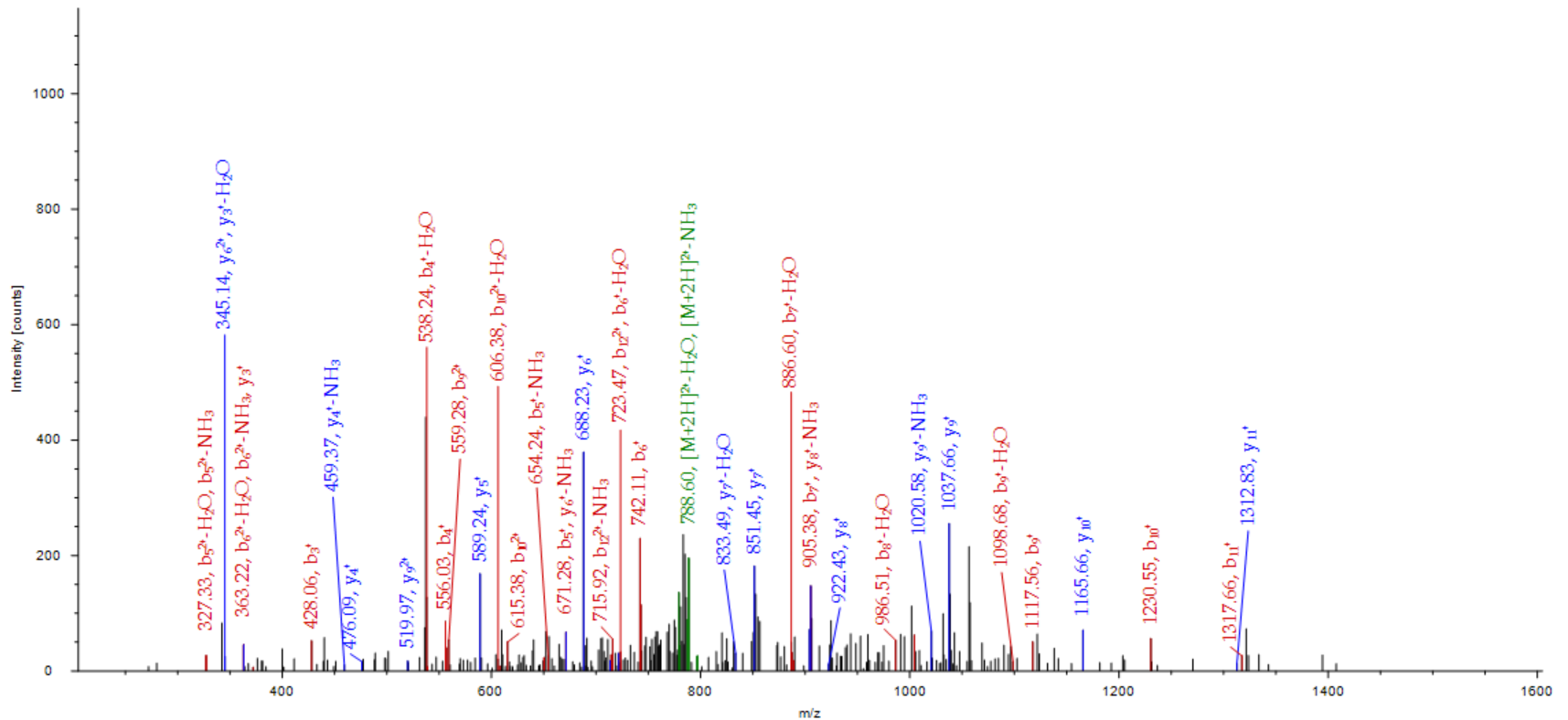


AVCVLKGDGPVQGIINFEQK_C3_SO3H

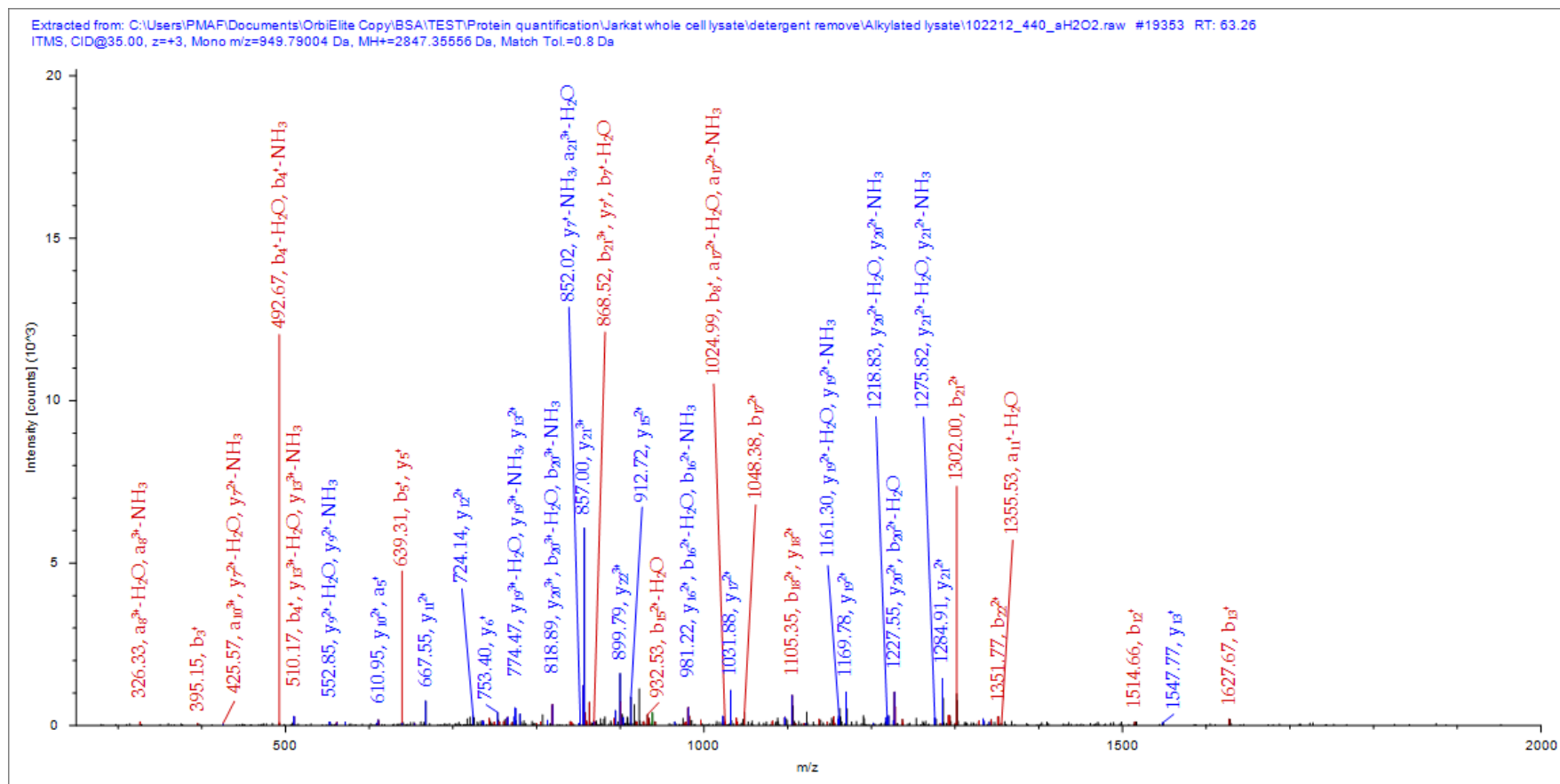


CEFQDAYVLLSEK_C1_SO3H

Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\092812_440uM_aH2O2.raw #23771 RT: 70.41
ITMS, CID@35.00, z=+2, Mono m/z=796.86121 Da, MH+=1592.71514 Da, Match Tol.=0.8 Da

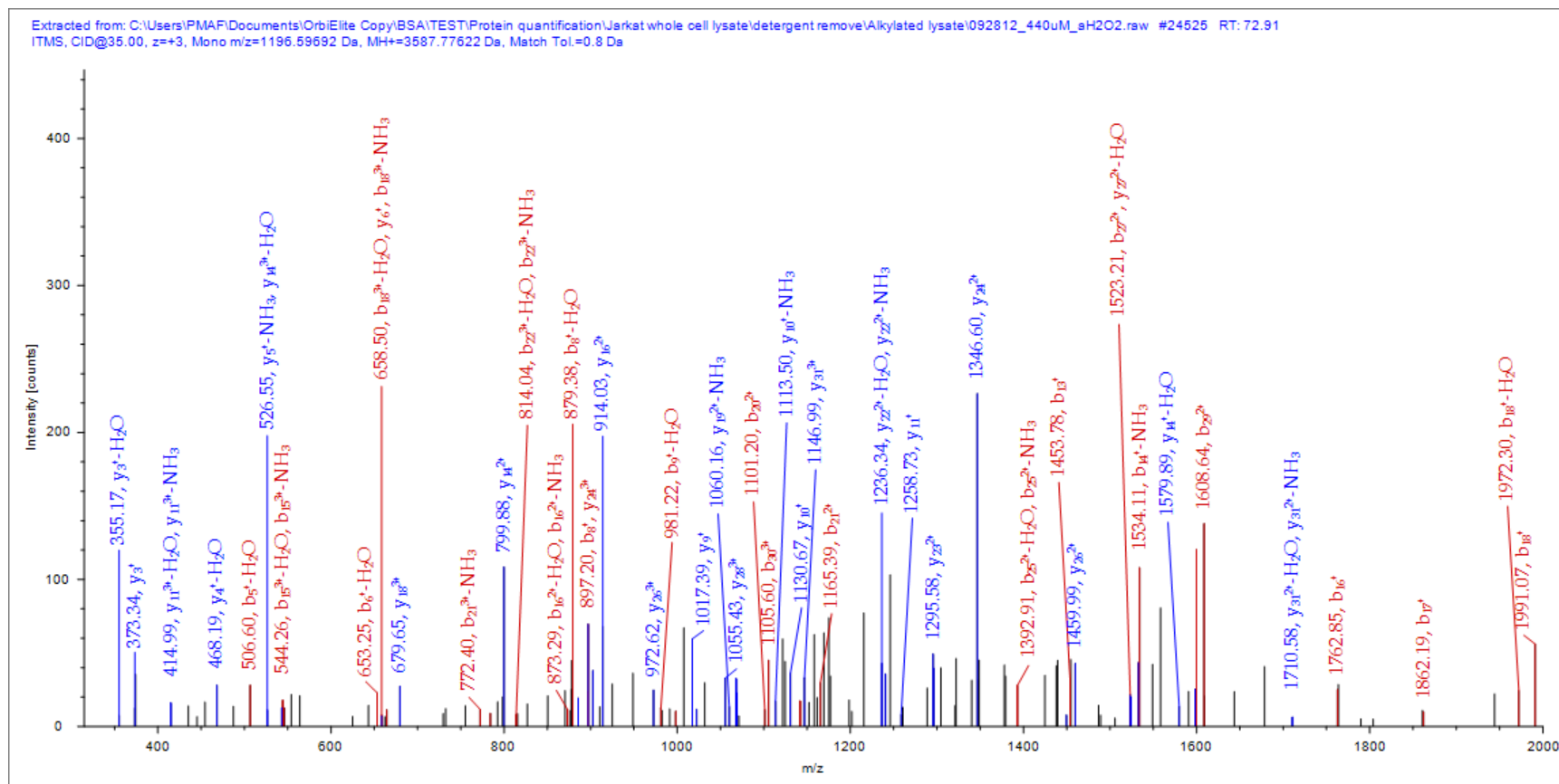


CKDDEFTHLYTLIVRPDNTYEVK_C1_SO3H



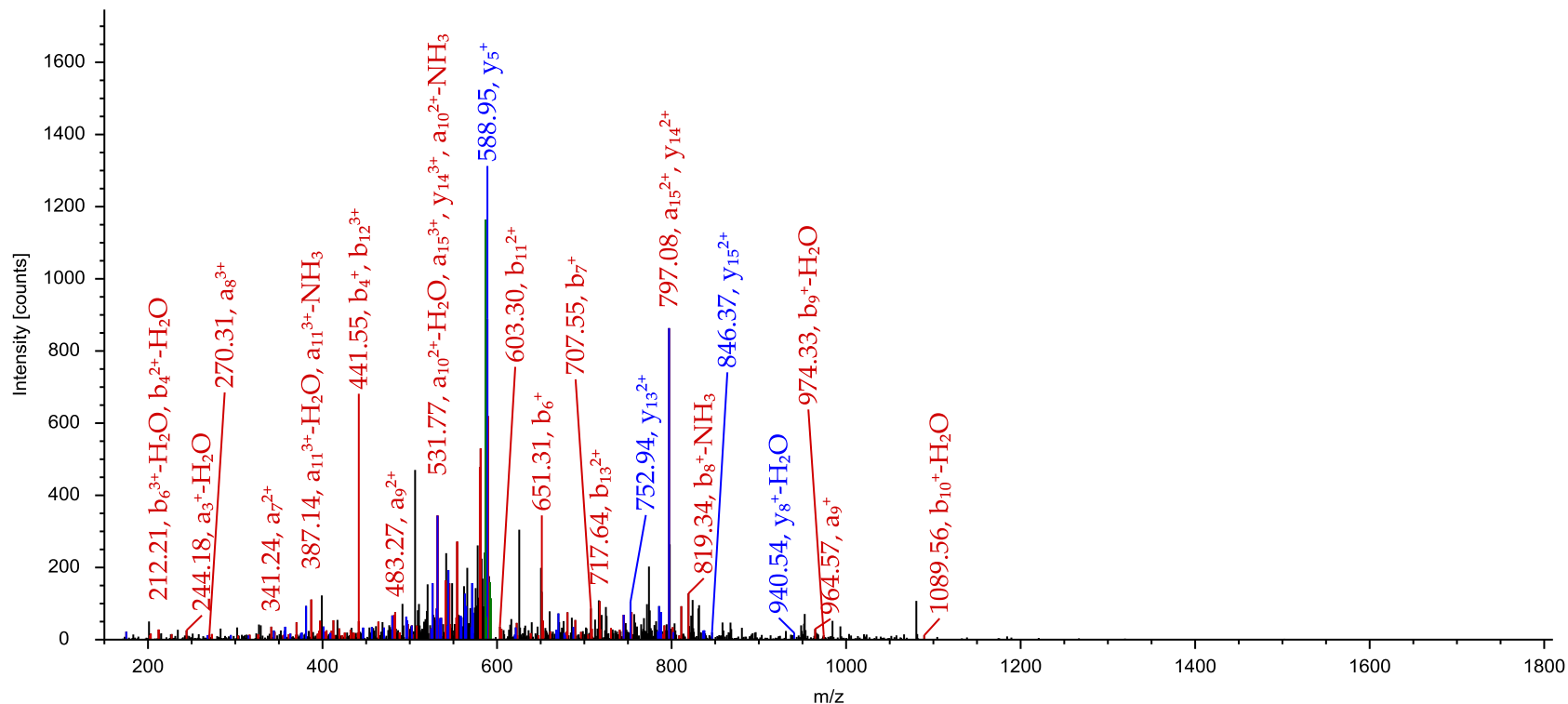
CSEGVFLTTTPRPVIVEPLEQLDDEDGLPEK

_C1_SO3H

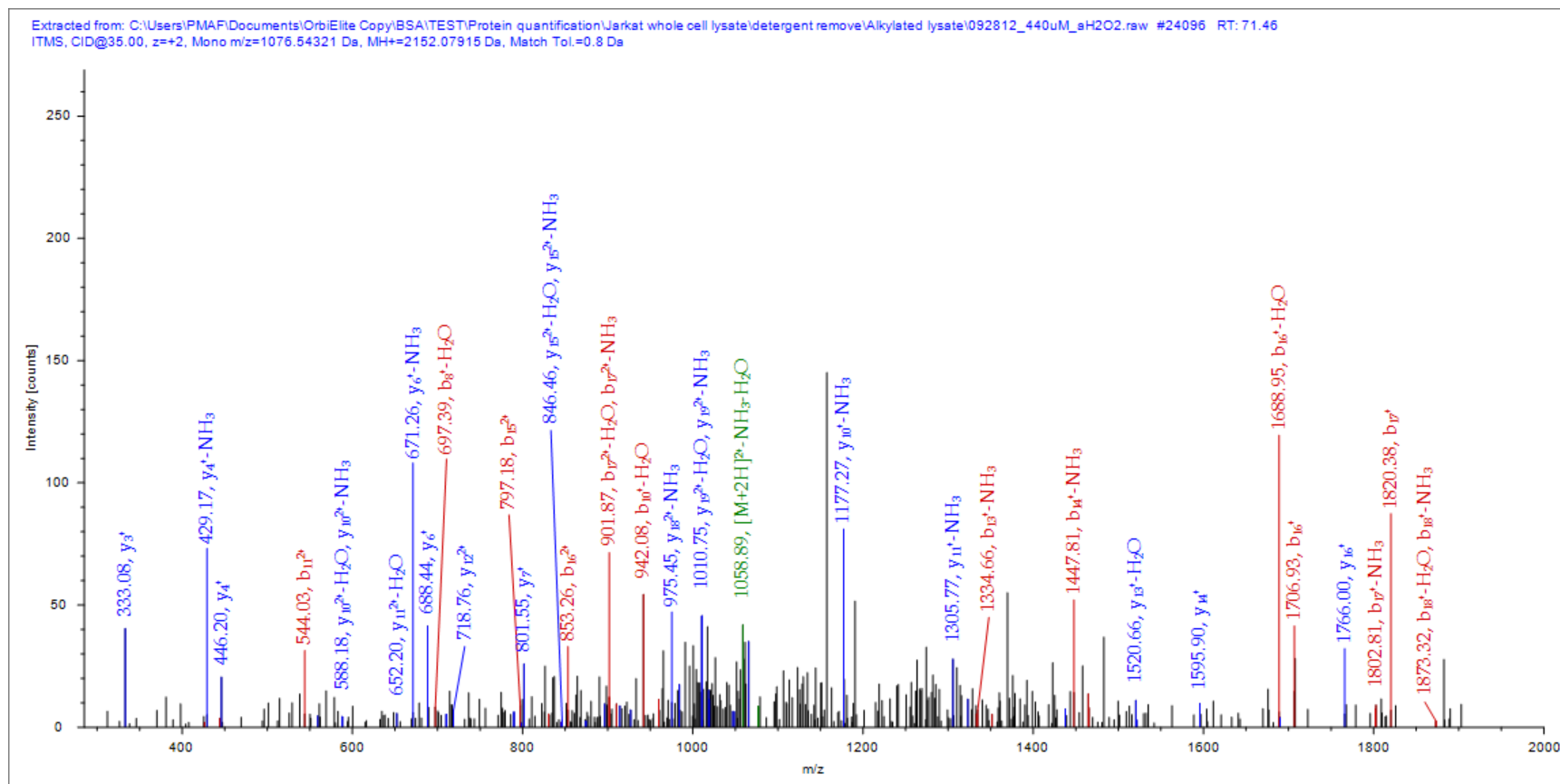


CVSCLPGQRDVDNALR_C4_SO3H

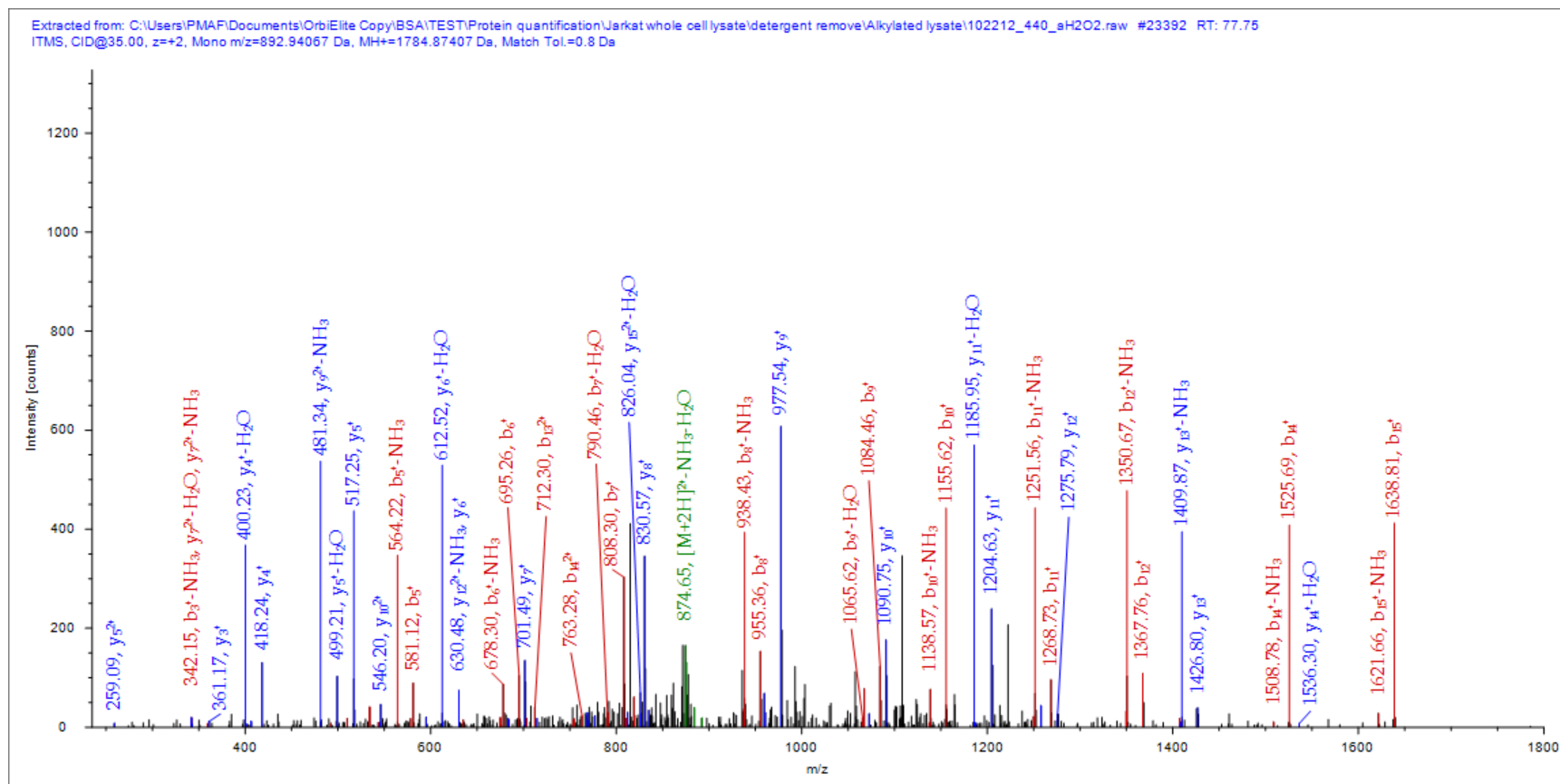
Extracted from: C:\Users\PMFA\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #5218
ITMS, CID@35.00, z=+3, Mono m/z=598.61316 Da, MH+=1793.82492 Da, Match Tol.=0.8 Da



DAISGIGTDEKCLIEILASR_C12_SO3H

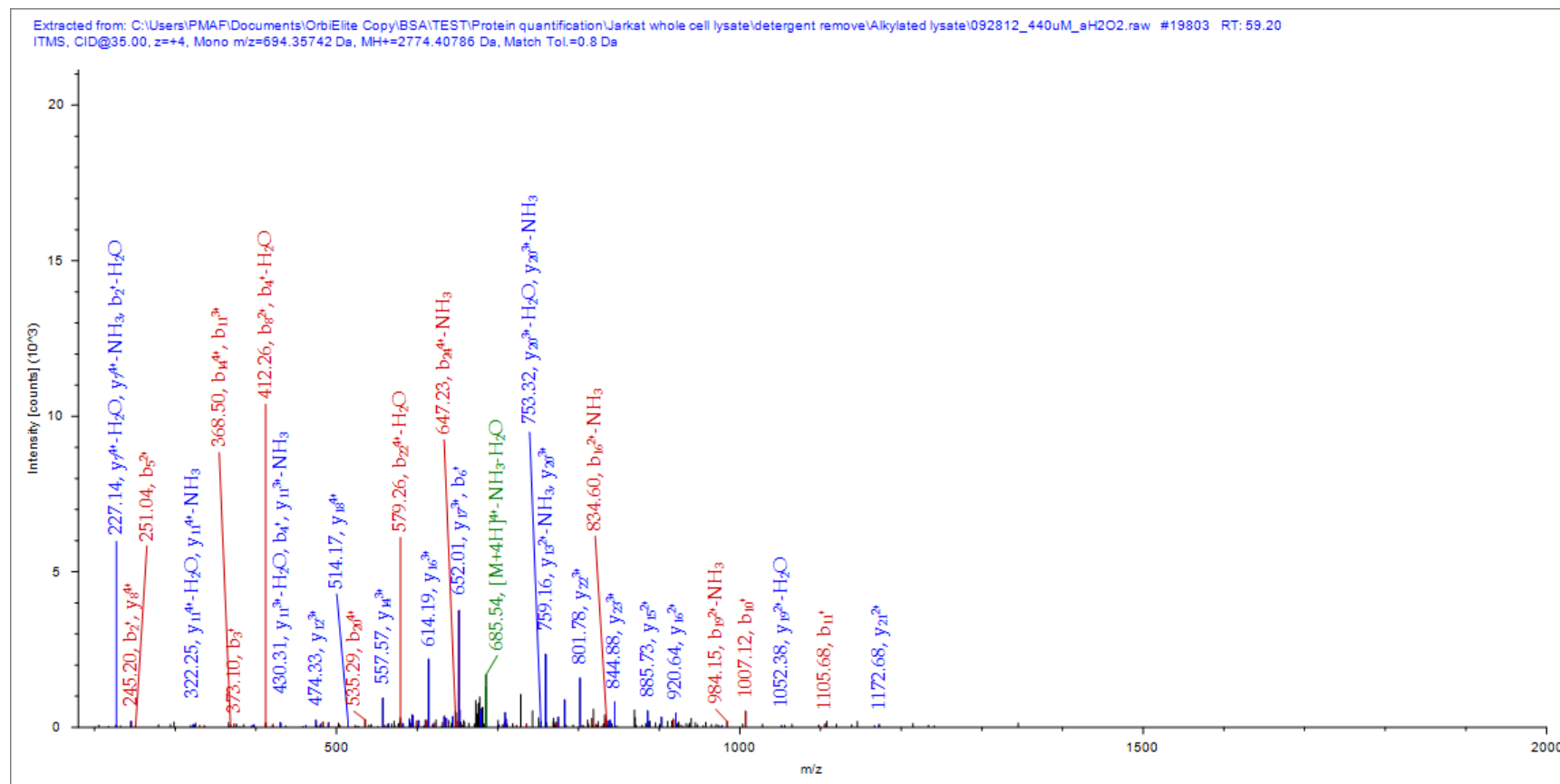


DDKCANLFEALVGTLK_-C4_SO3H



DEQGACAVLAVHLNTLLGERPVQHR

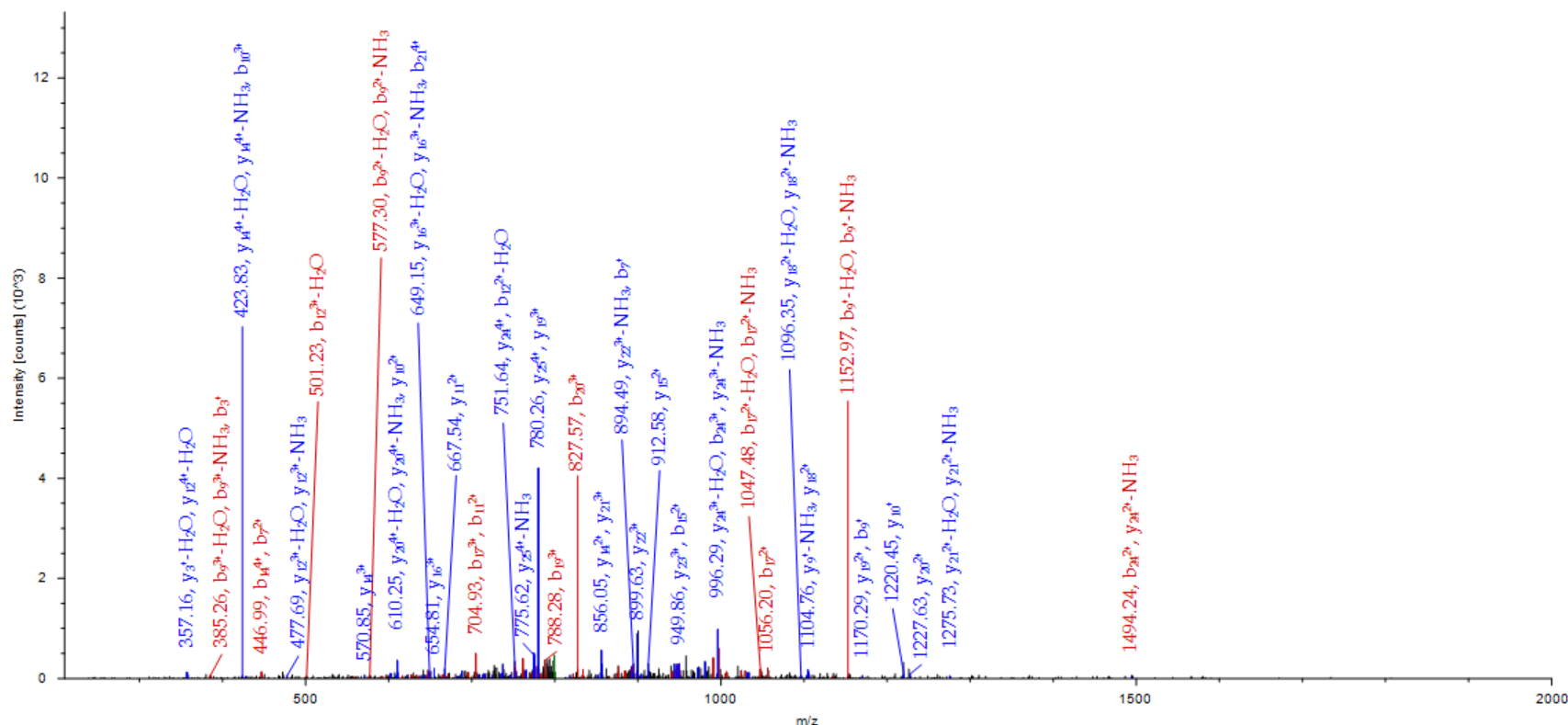
_C6_SO3H



DIRCKDDEFTHLYTLIVRPDNTYEVK

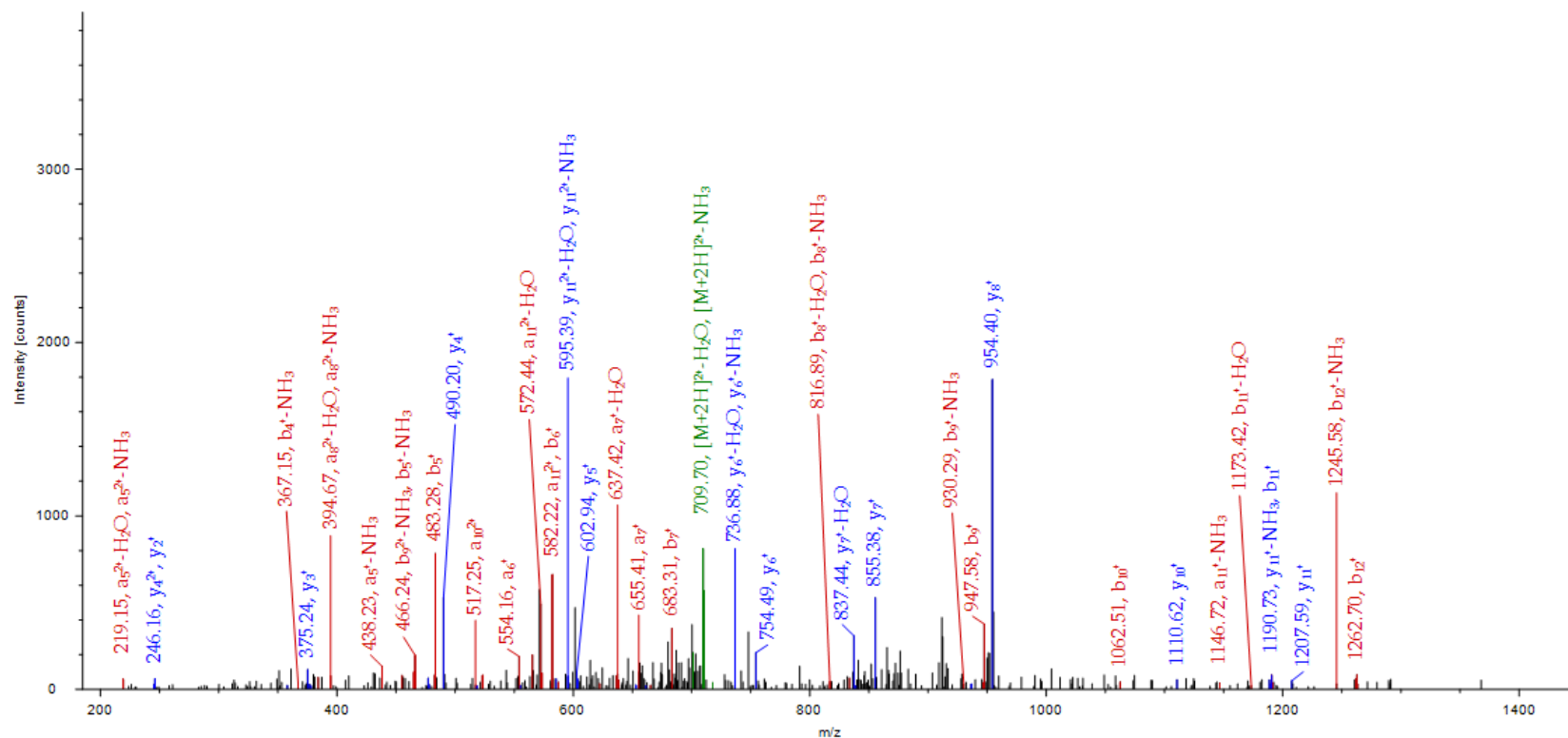
_C4_SO3H

Extracted from: C:\Users\PMF\Documents\OrbiElite_Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #18875 RT: 61.81
ITMS, CID@35.00, z=+4, Mono m/z=808.64777 Da, MH+=3231.56923 Da, Match Tol.=0.8 Da

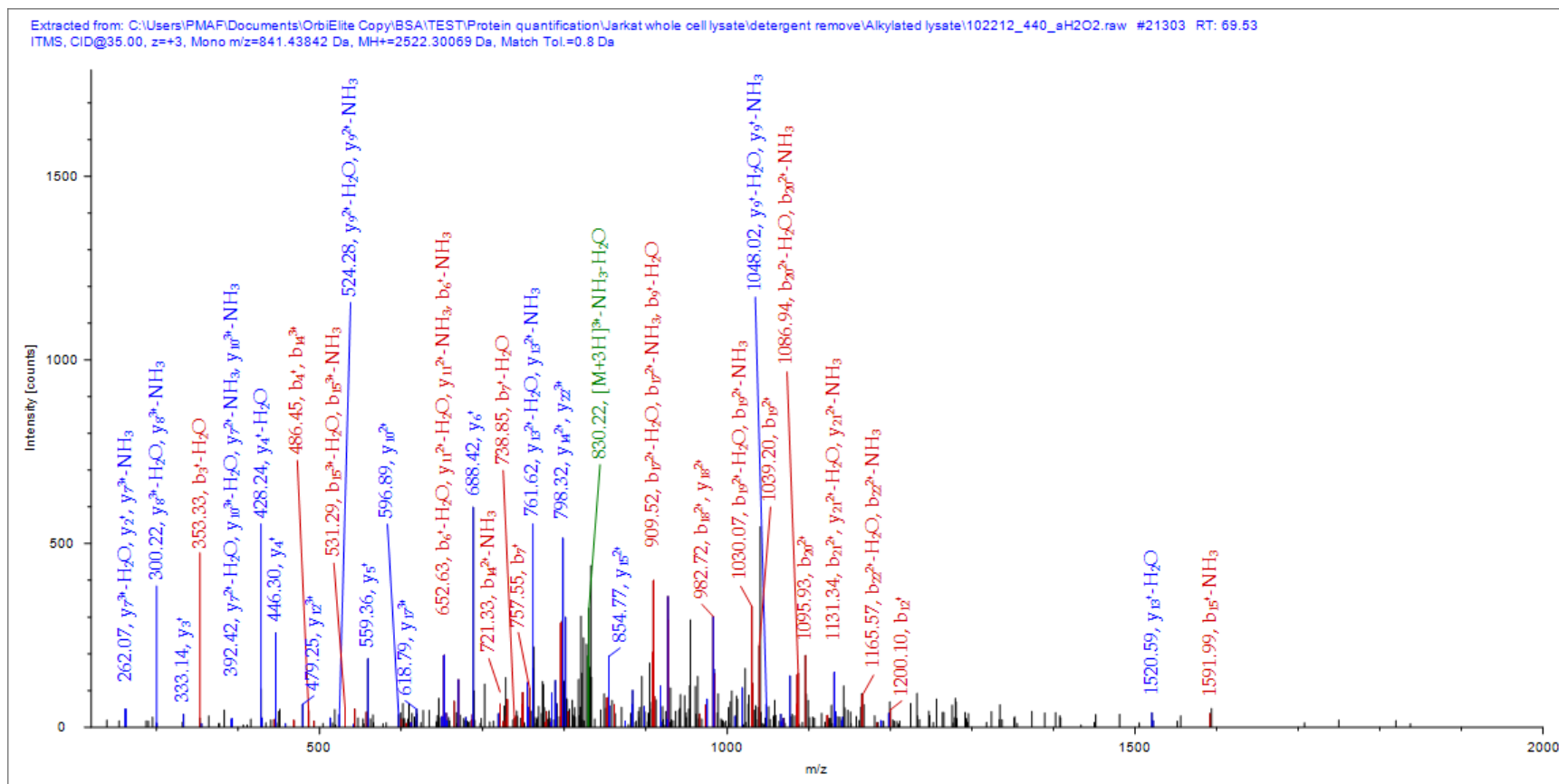


DNPGVVTCLDEAR_C8_SO3H

Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.rsw #11389 RT: 40.87
ITMS, CID@35.00, z=+2, Mono m/z=718.82007 Da, MH+=1436.63286 Da, Match Tol.=0.8 Da

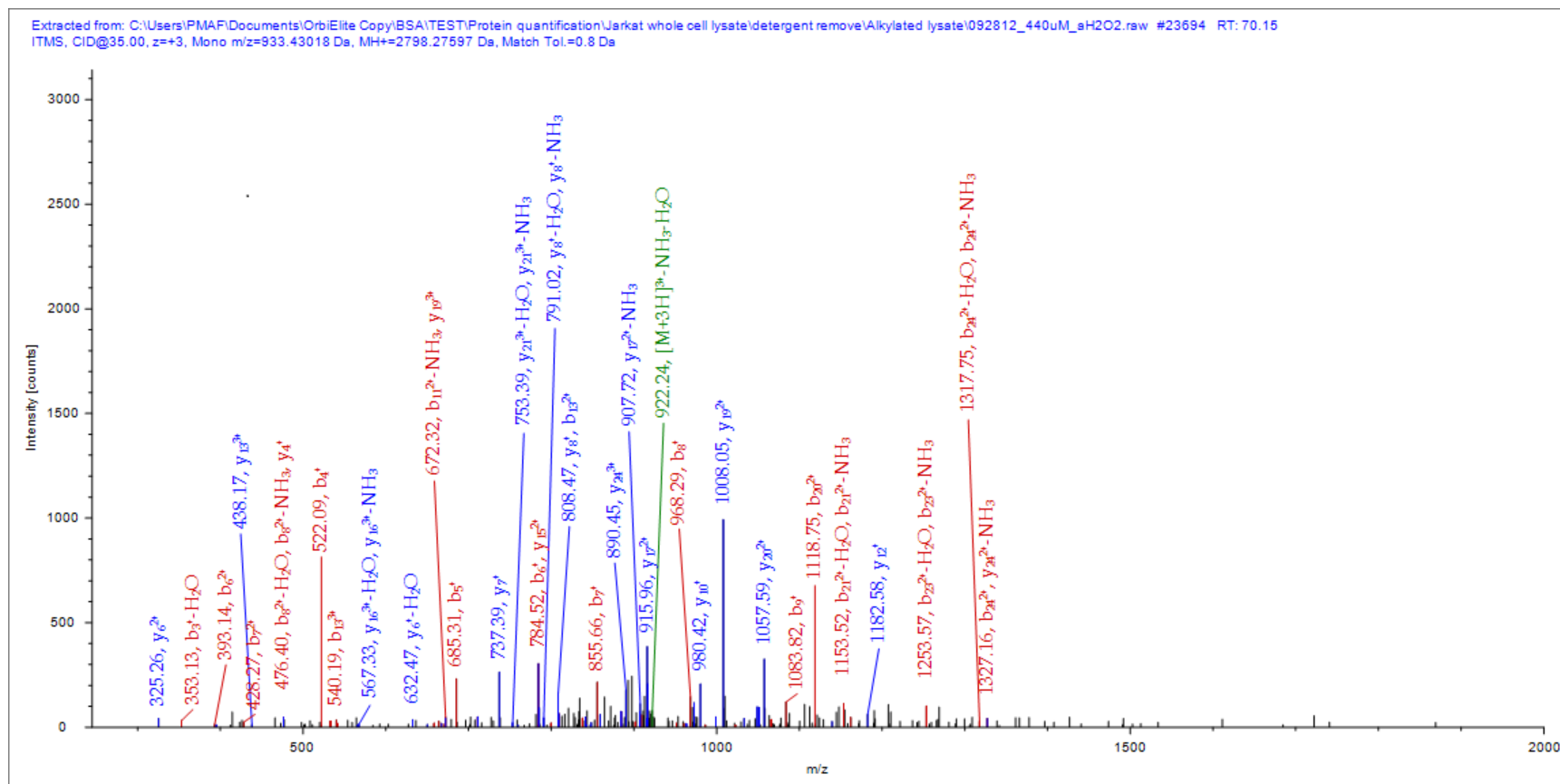


EIKDAISGIGTDEKCLIEILASR_C15_SO3H



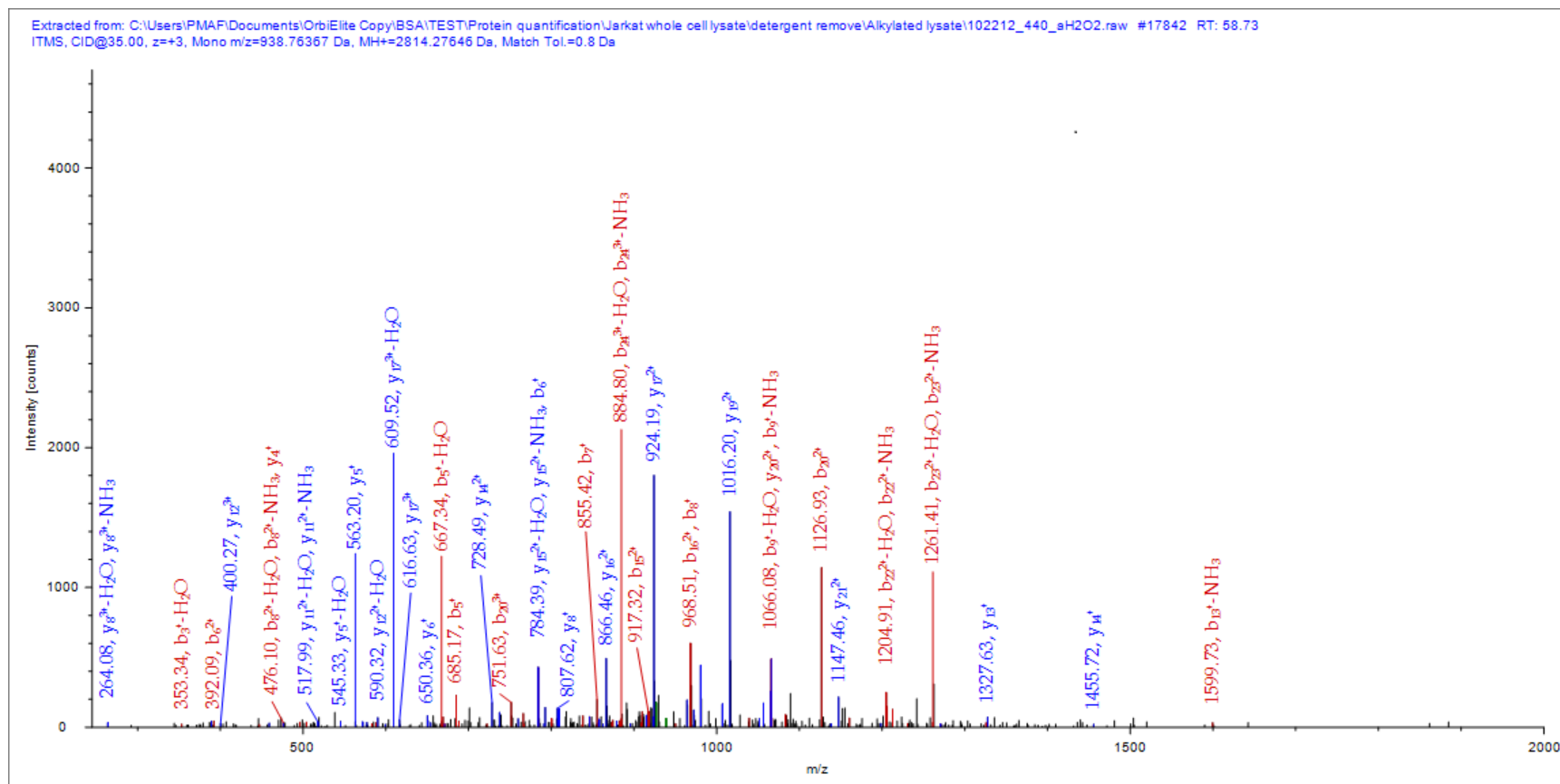
EKLCYVALDFEQEMATAASSSSLEK

_C4_SO3H

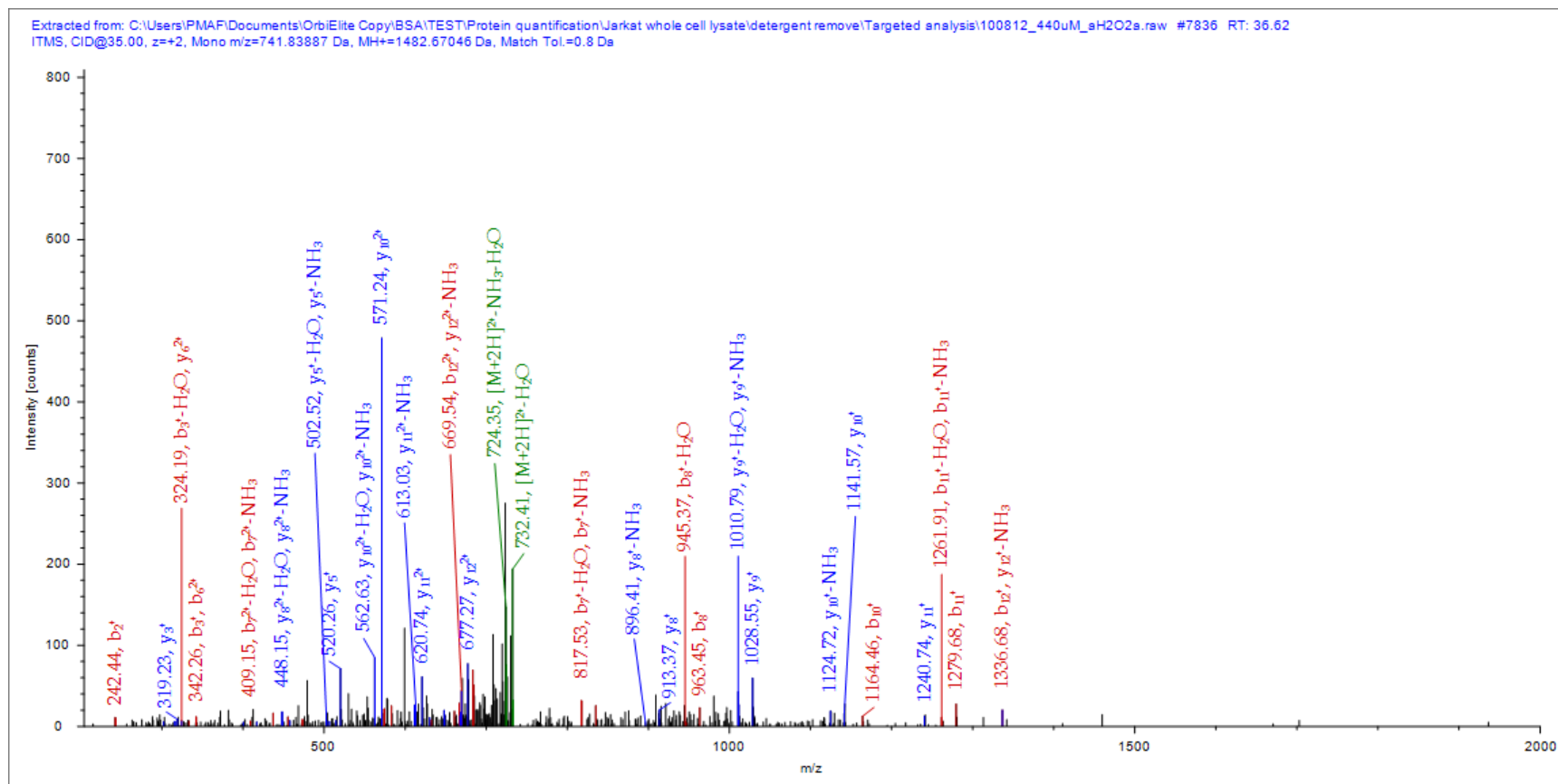


EKLCYVALDFEQEMATAASSSSLEK

_C4_SO3H_Mox

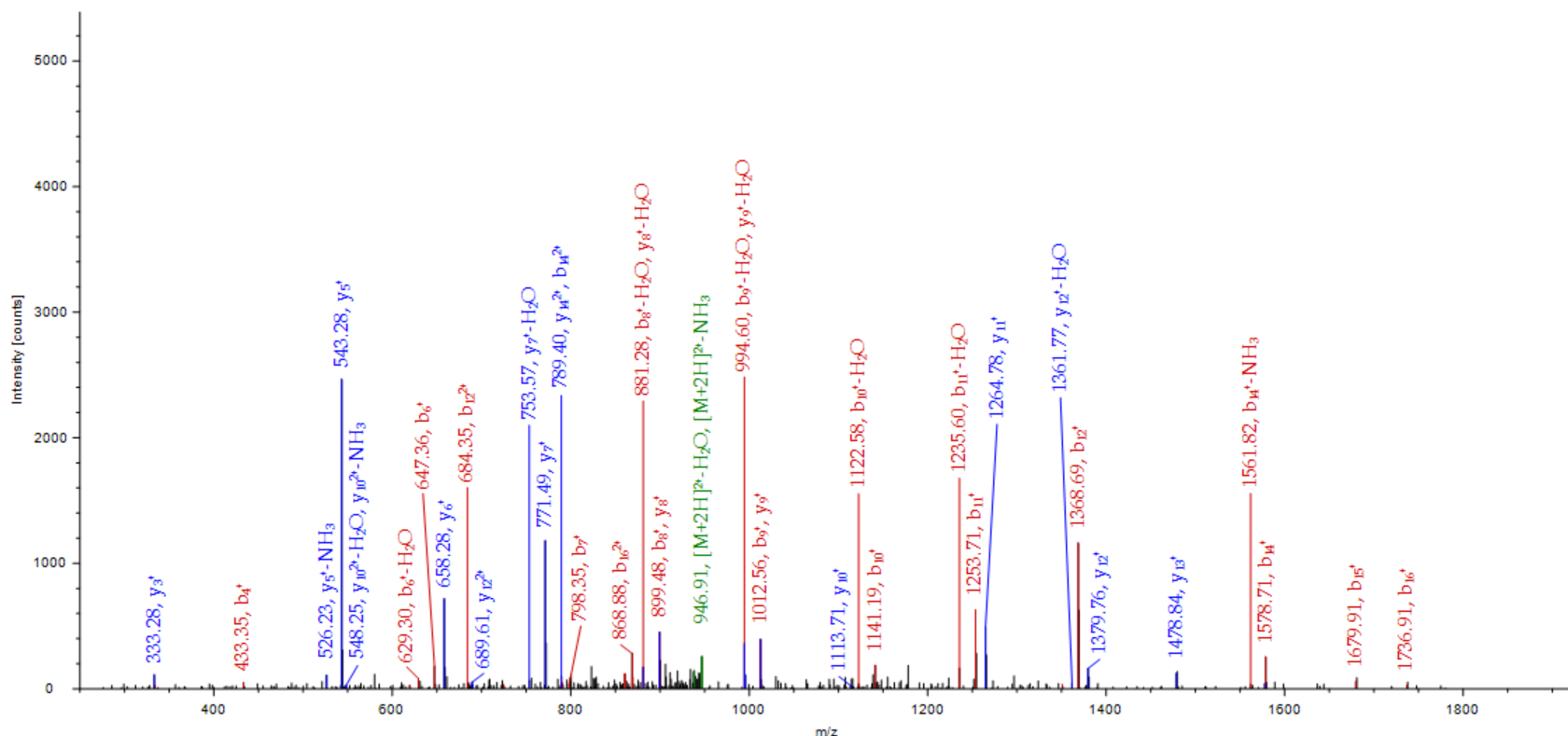


ELVLDNCKSNDGK_C7_S03H



FGEVVDCTLKLDPITGR_C7_SO3H

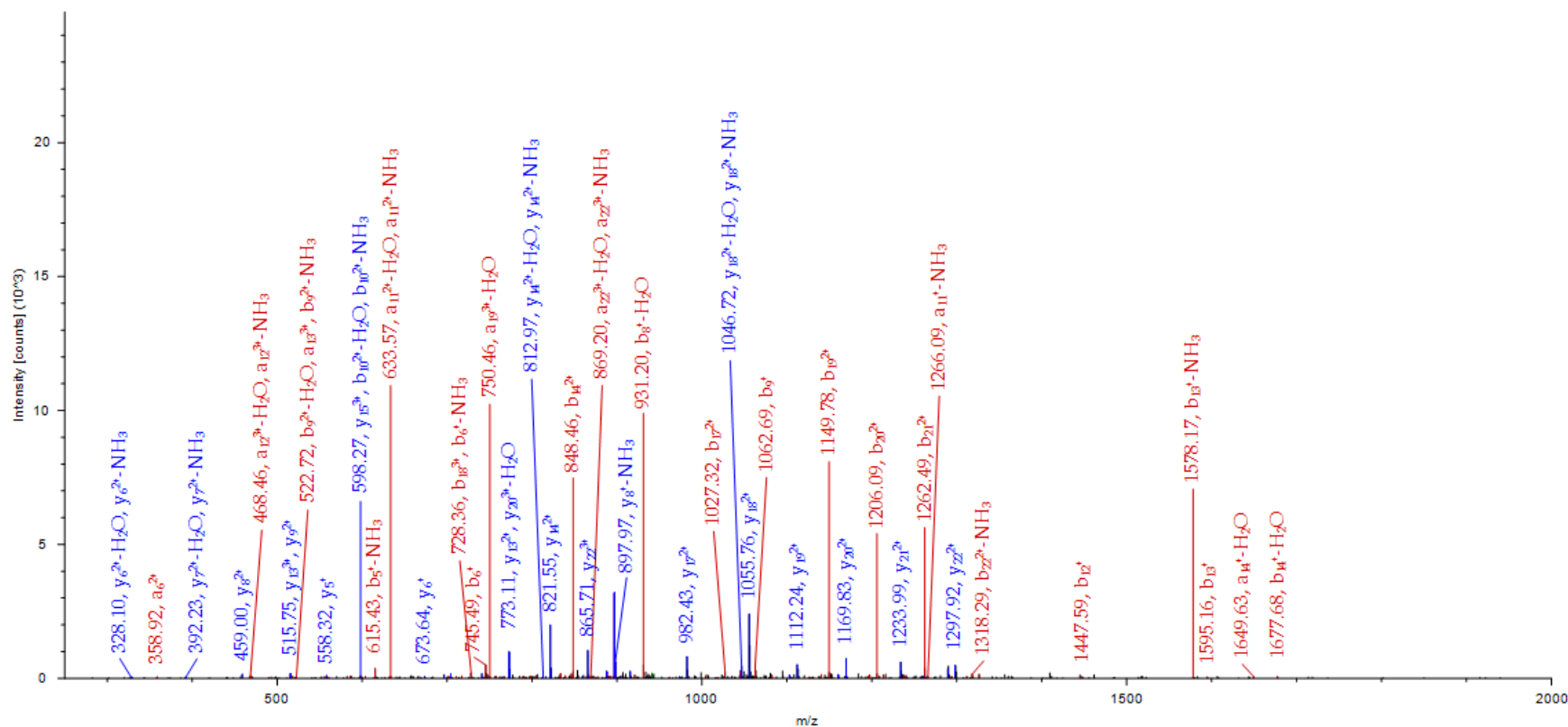
Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #17844 RT: 58.74
ITMS, CID@35.00, z=+2, Mono m/z=955.98047 Da, MH+=1910.95366 Da, Match Tol.=0.8 Da



FIQENIFGICPHMTEDNKDLIQGK

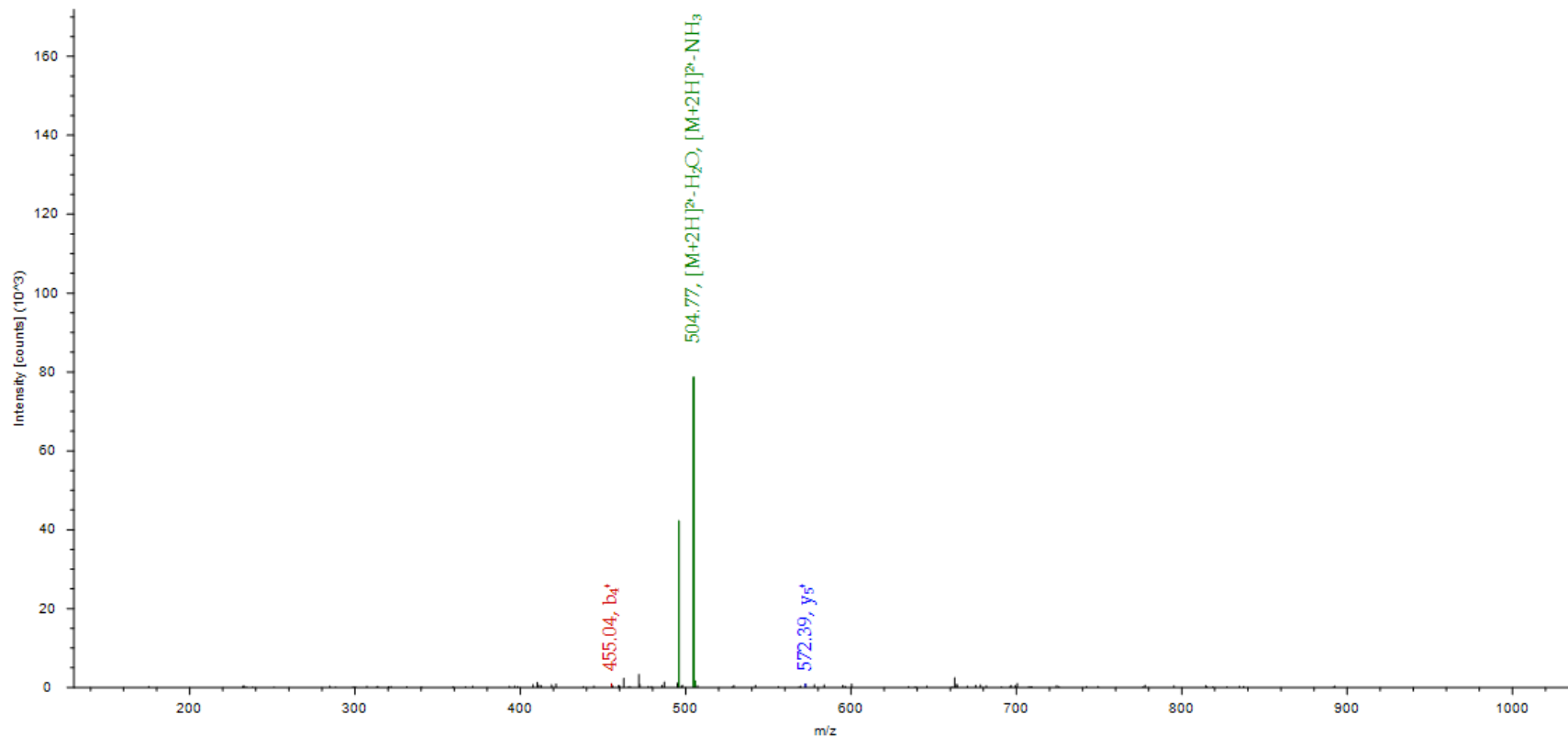
_C10_SO3H

Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #17259 RT: 57.06
ITMS, CID@35.00, z=+3, Mono m/z=952.12012 Da, MH+=2854.34580 Da, Match Tol=0.8 Da



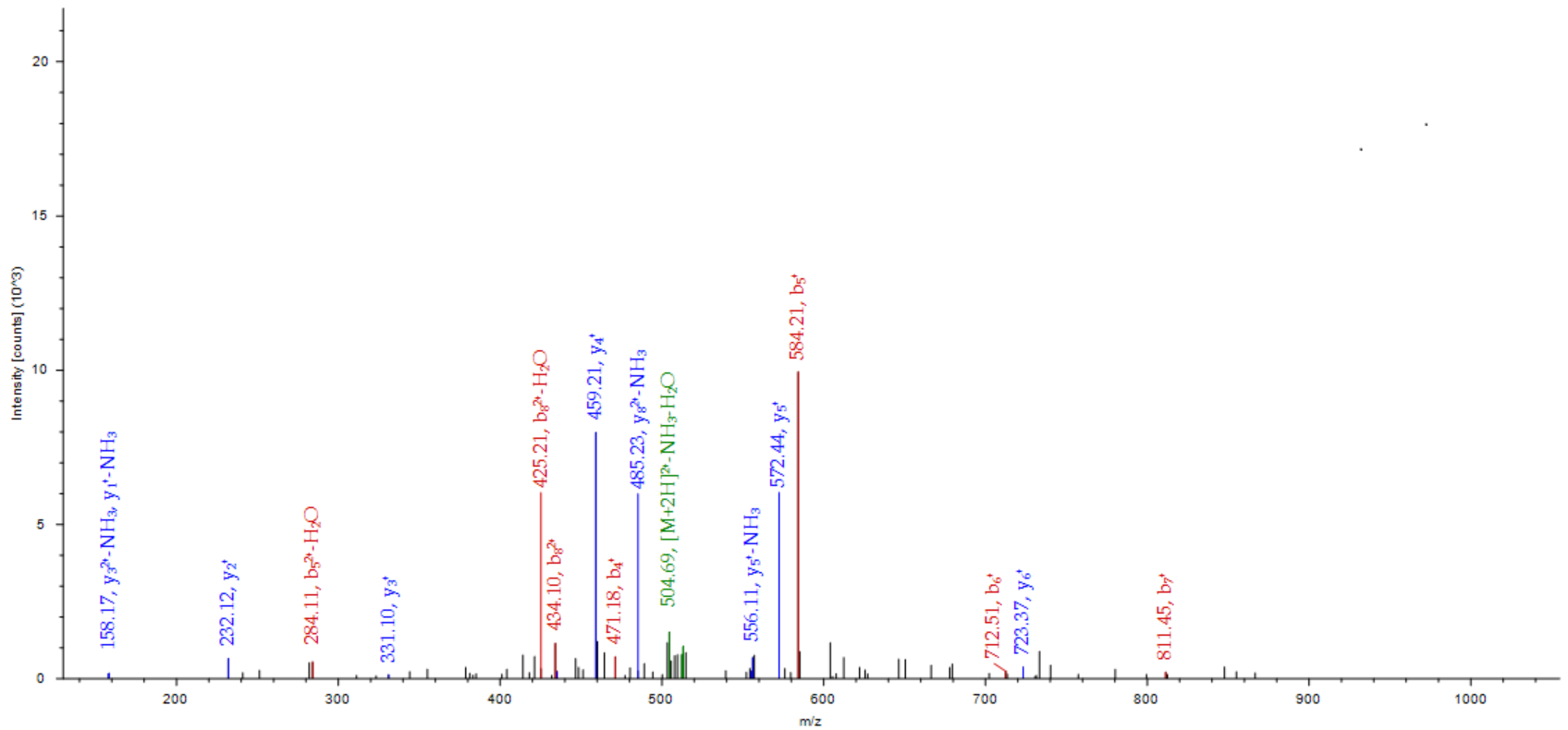
GDFCIQVGR_C4_SO2H

Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #13533 RT: 46.64
ITMS, CID@35.00, z=+2, Mono m/z=513.73730 Da, MH+=1026.46733 Da, Match Tol.=0.8 Da



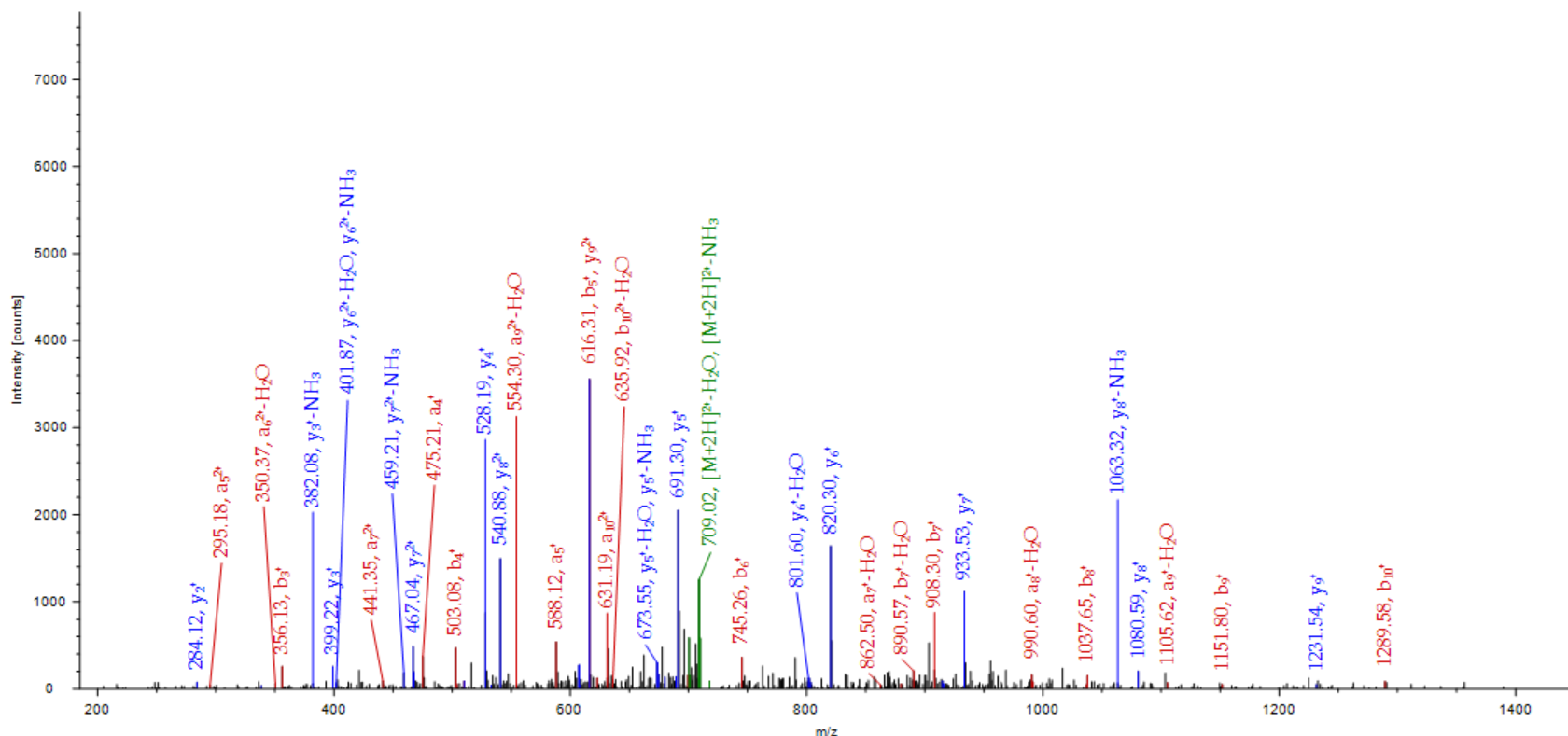
GDFCIQVGR_C4_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Targeted analysis\100812_440uM_sH2O2a.raw #13467 RT: 61.37
ITMS, CID@35.00, z=+2, Mono m/z=521.73395 Da, MH+=1042.46062 Da, Match Tol.=0.8 Da



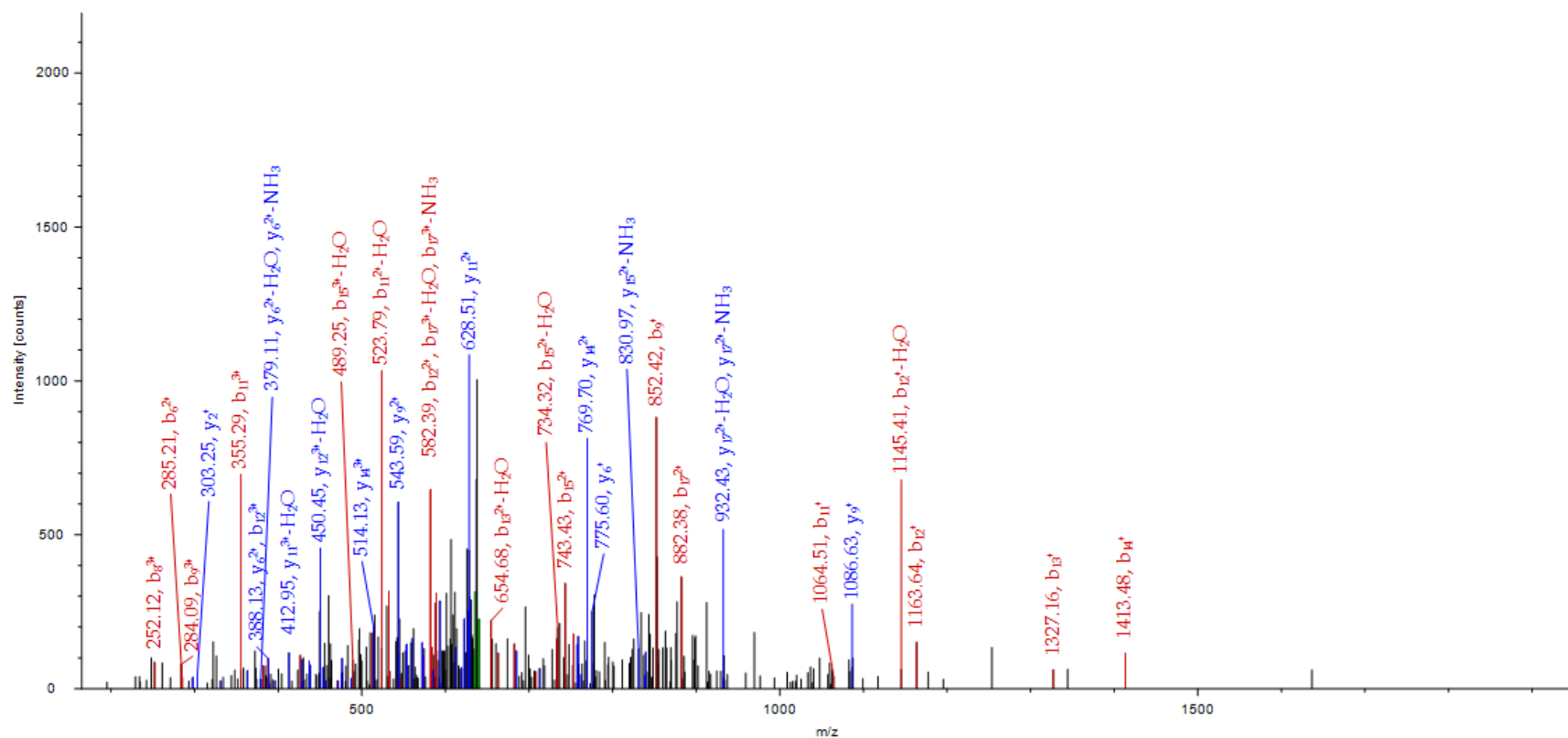
GFCFLEYEDHK_C3_SO3H

Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #17593 RT: 58.02
ITMS, CID@35.00, z=+2, Mono m/z=718.29541 Da, MH+=1435.58354 Da, Match Tol.=0.8 Da

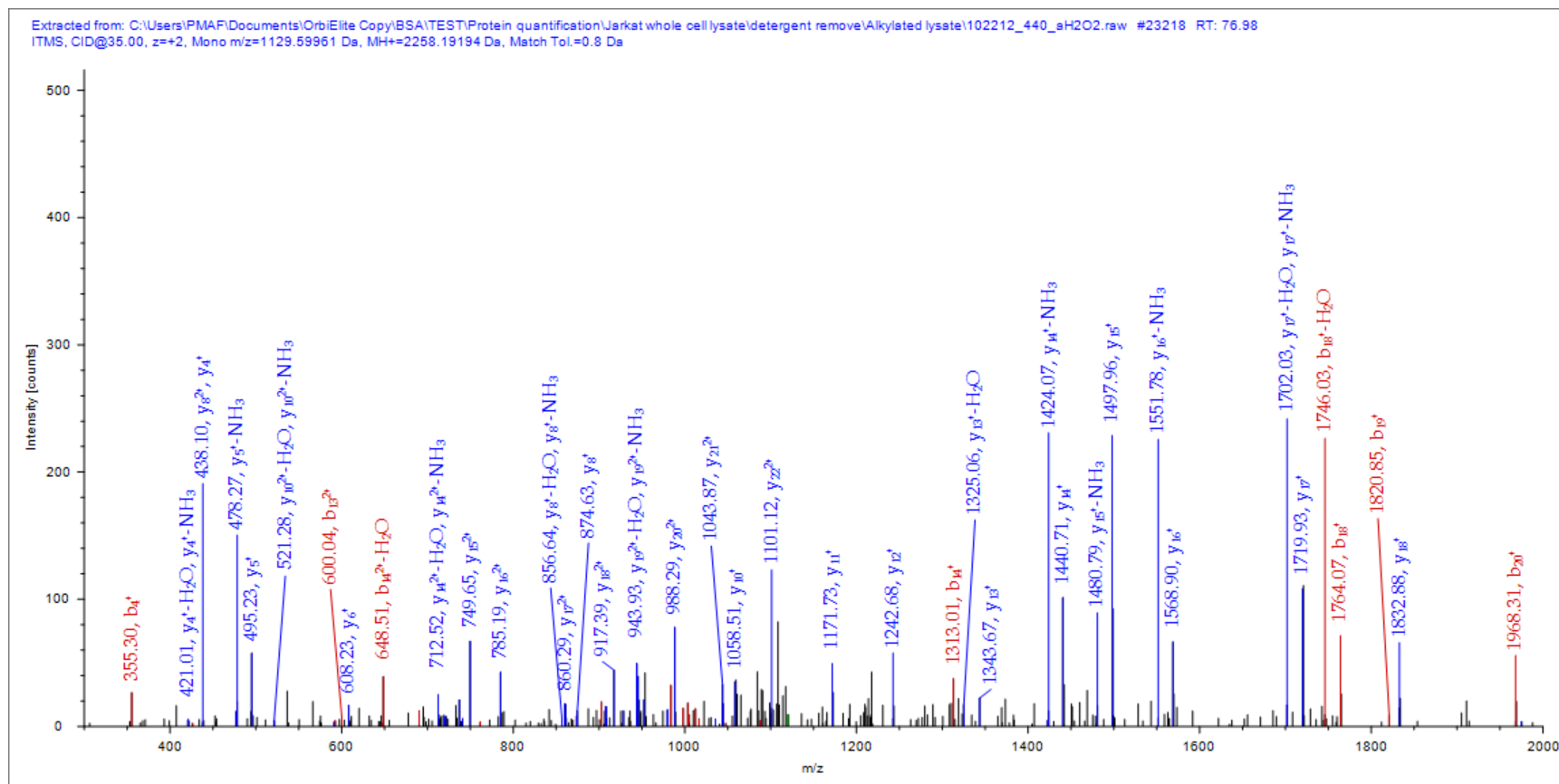


GFGHIGIAVPDVYSACKR_C16_SO3H

Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\092812_440uM_aH2O2.raw #17102 RT: 52.28
ITMS, CID@35.00, z=+3, Mono m/z=646.65649 Da, MH+=1937.95493 Da, Match Tol.=0.8 Da

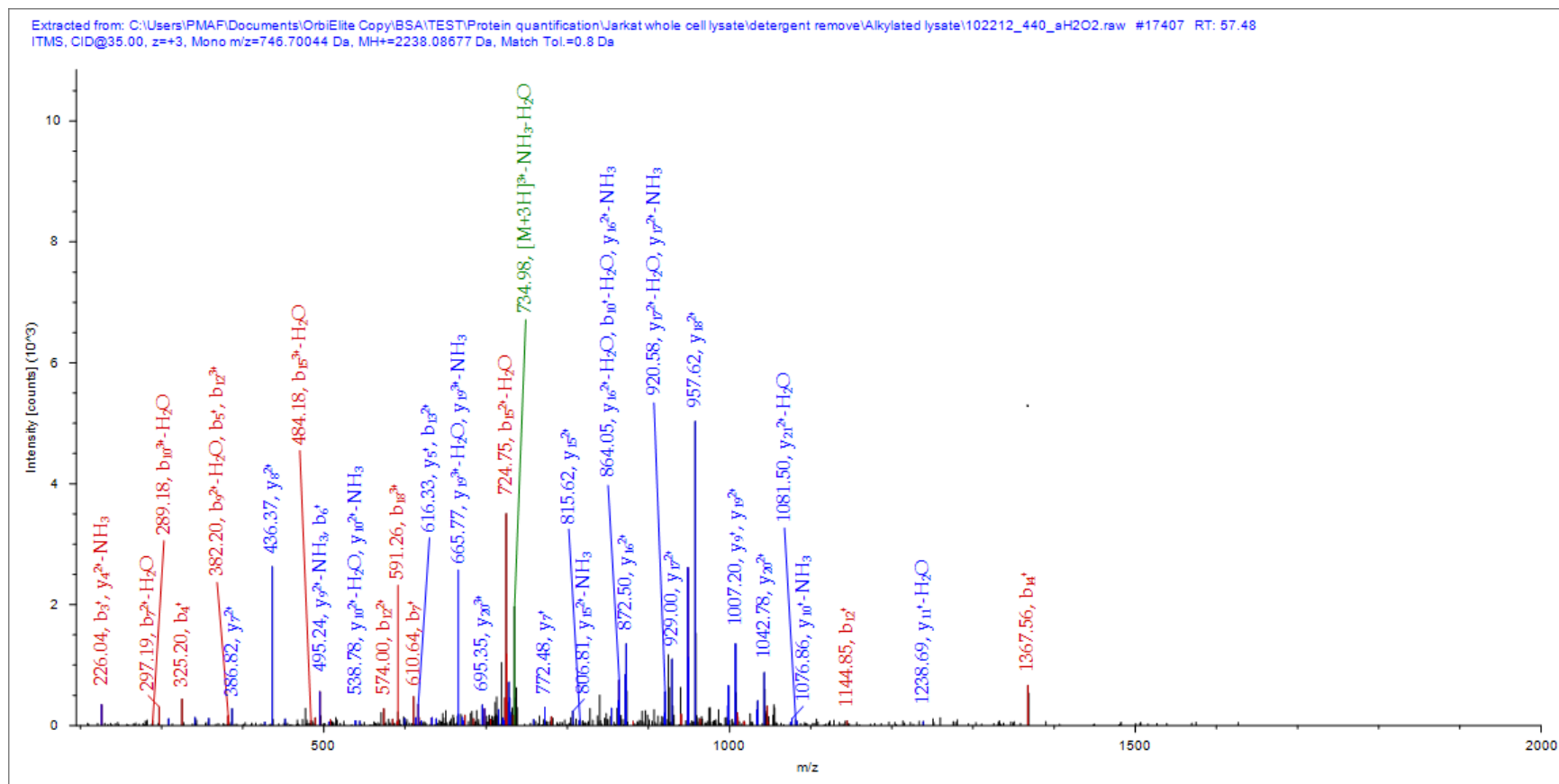


GLIAAICAGPTALLAHEIGFGSK_C7_SO3H



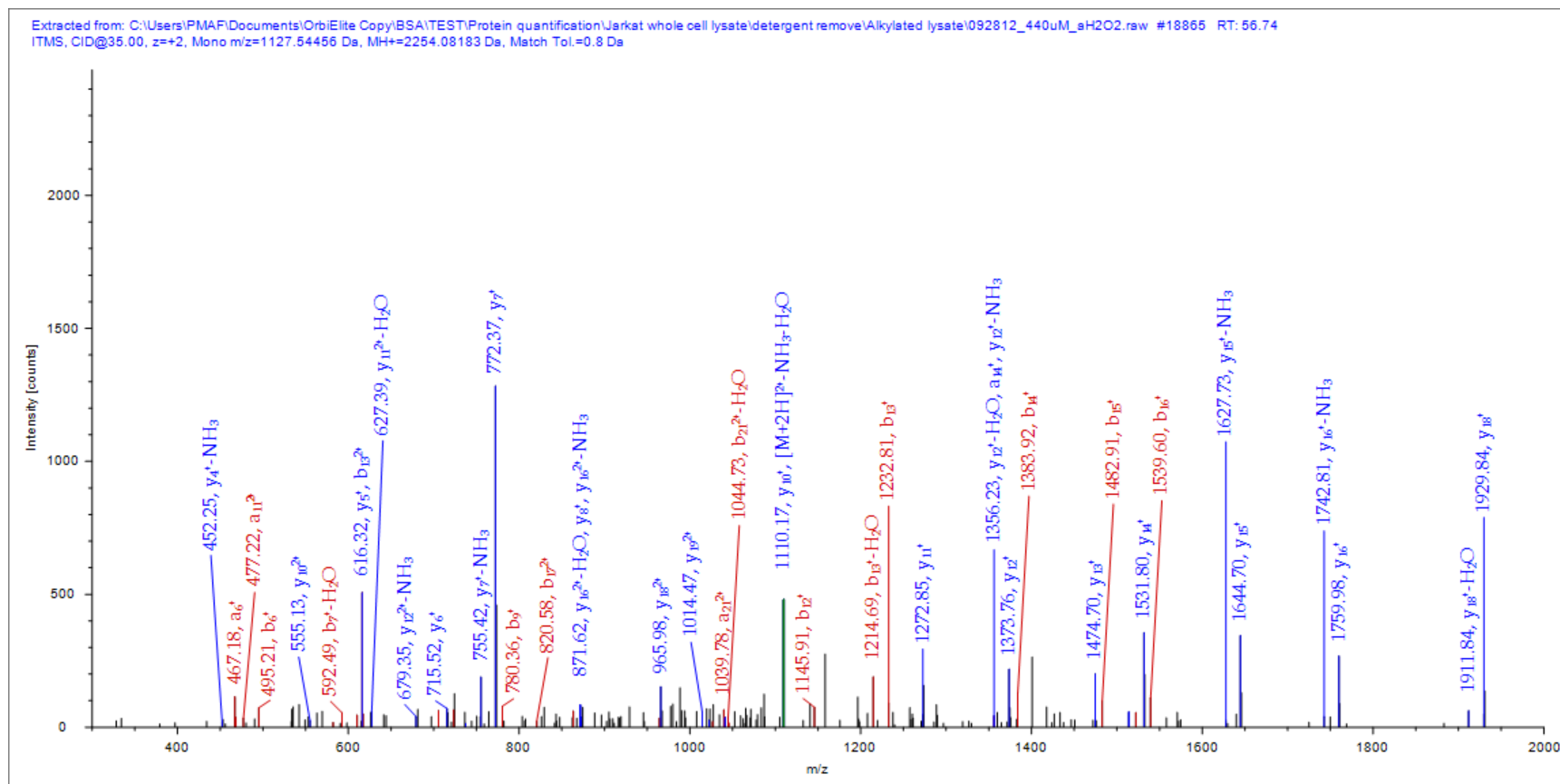
GPAVGIDLGTTYSCVGVFQHGK

_C14_SO2H

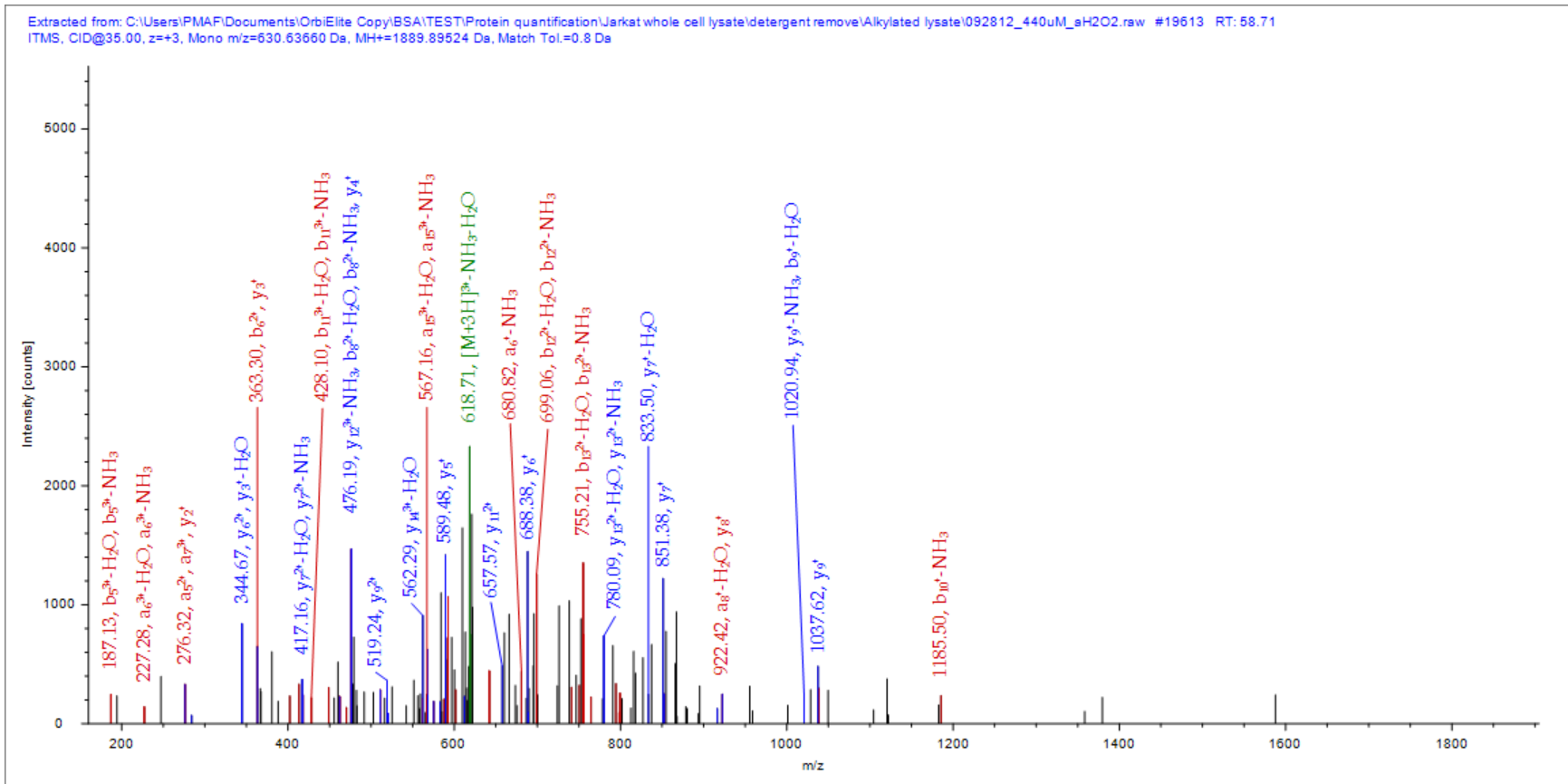


GPAVGIDLGTTYSCVGVFQHGK

_C14_SO3H

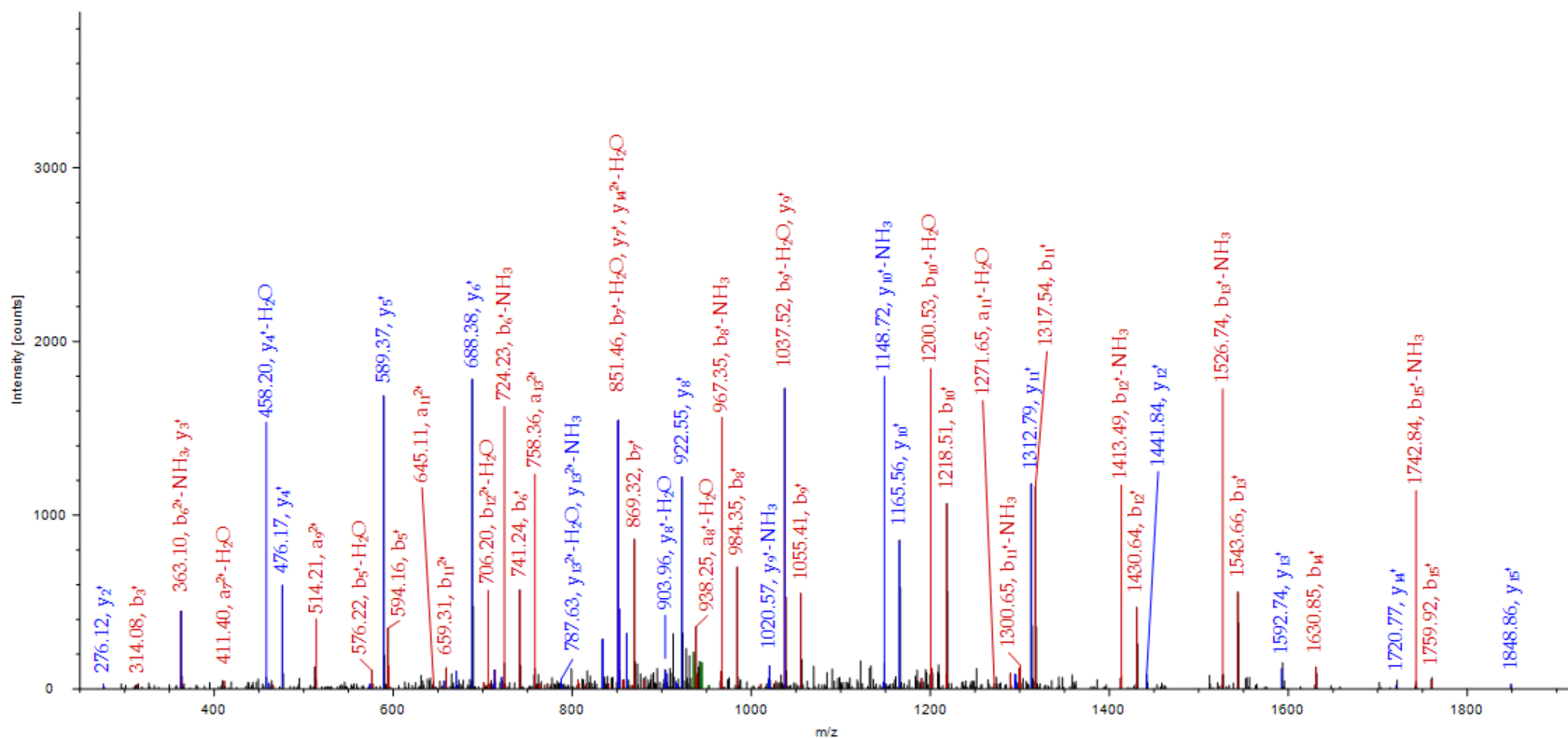


GQKCEFQDAYVLLSEK_C4_SO2H

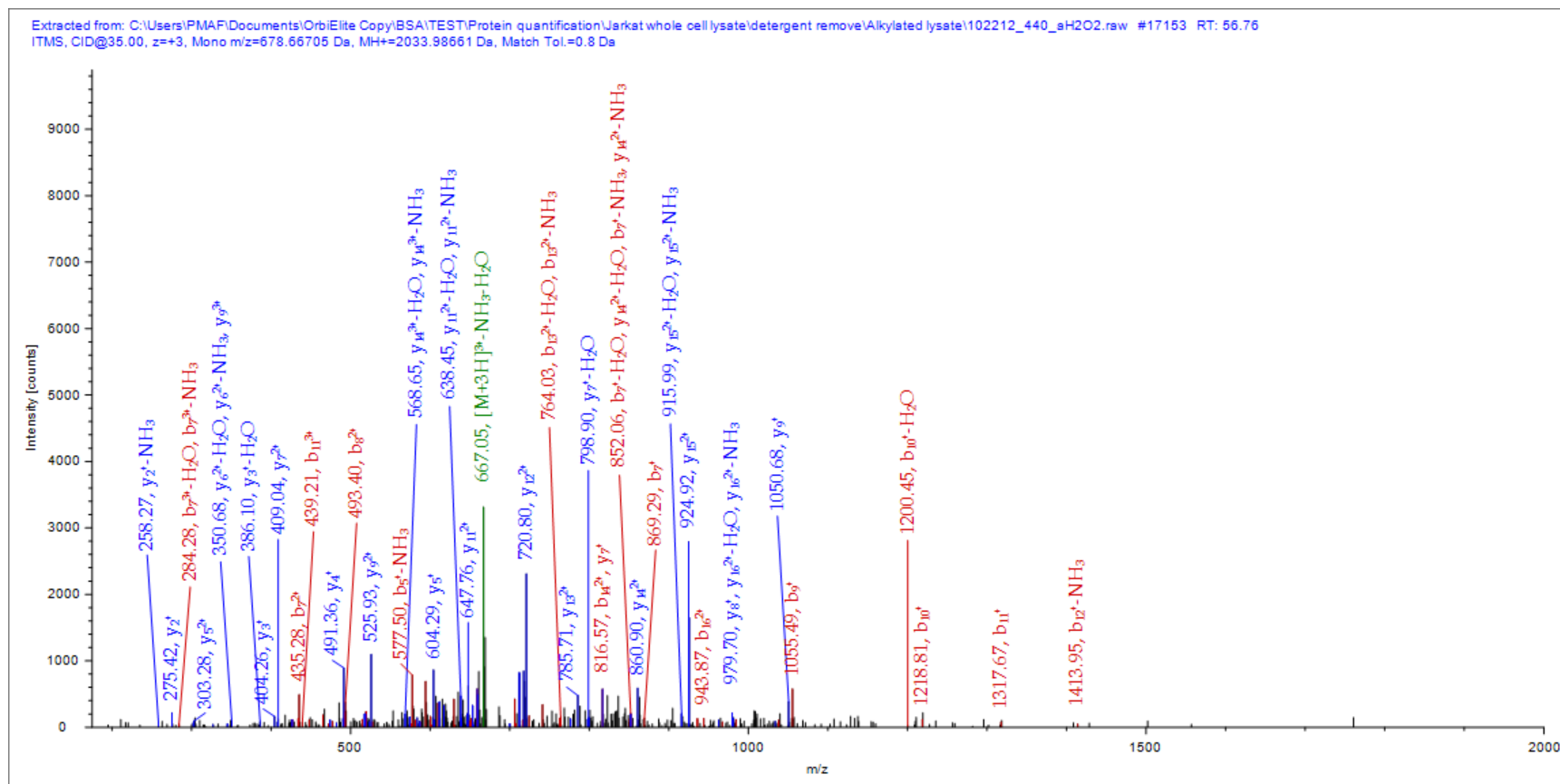


GQKCEFQDAYVLLSEK_C4_SO3H

Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #19079 RT: 62.42
ITMS, CID@35.00, z=+2, Mono m/z=953.44806 Da, MH+=1905.88884 Da, Match Tol.=0.8 Da

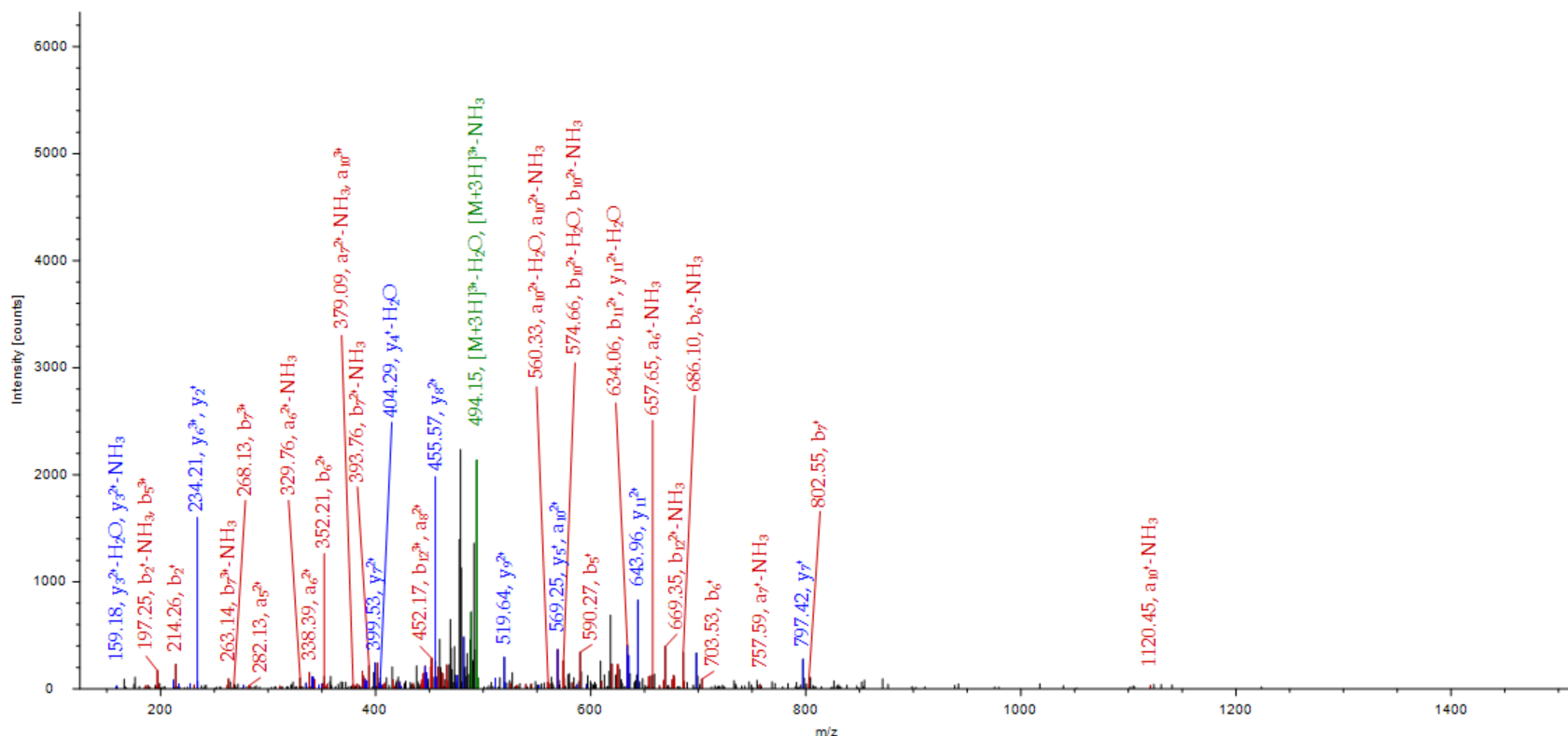


GQKCEFQDAYVLLSEKK_C4_SO3H

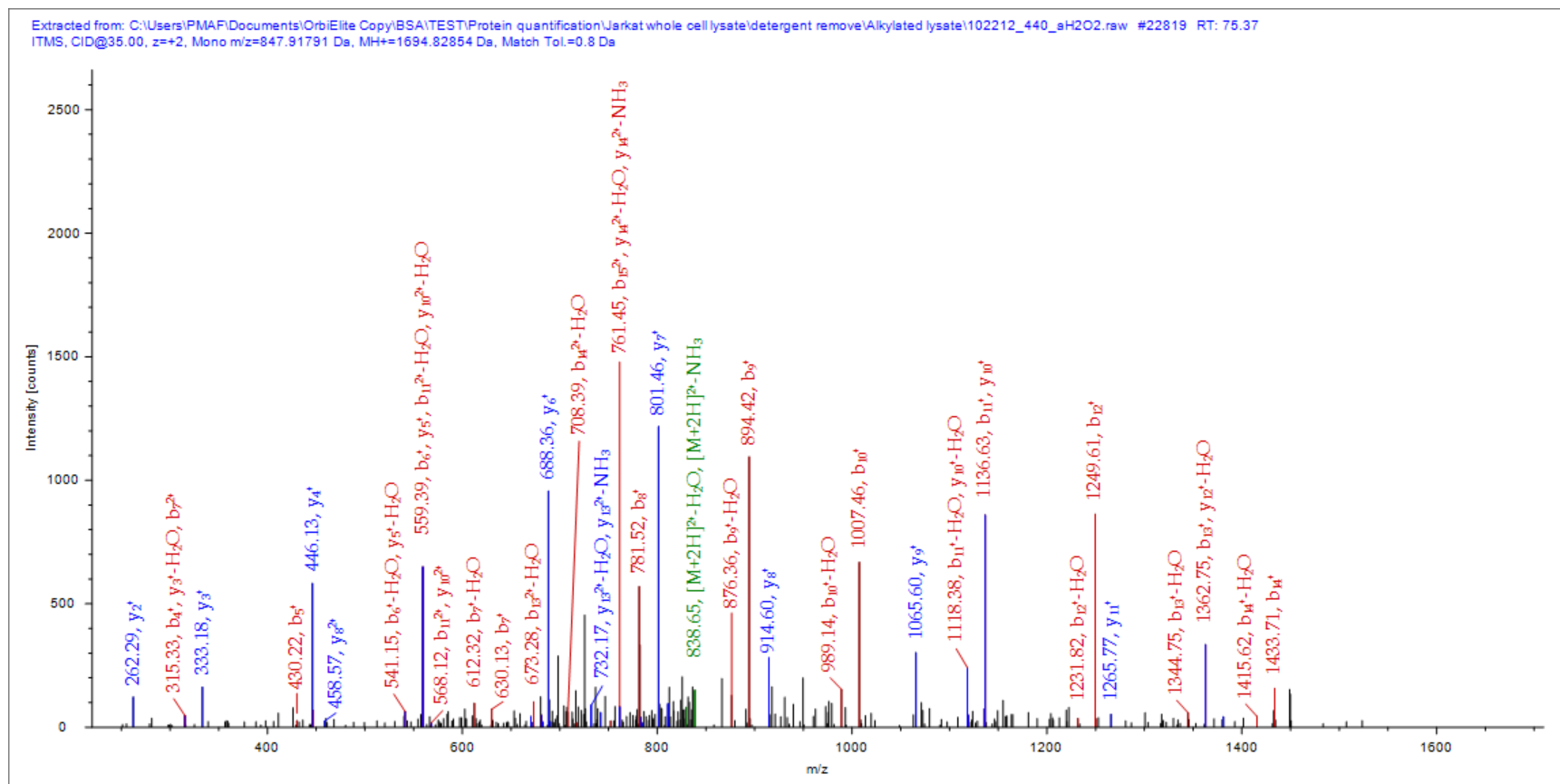


GRPCKIVEMSTSK_C4_SO3H

Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #3481 RT: 19.47
ITMS, CID@35.00, z=+3, Mono m/z=500.57788 Da, MH+=1499.71909 Da, Match Tol.=0.8 Da

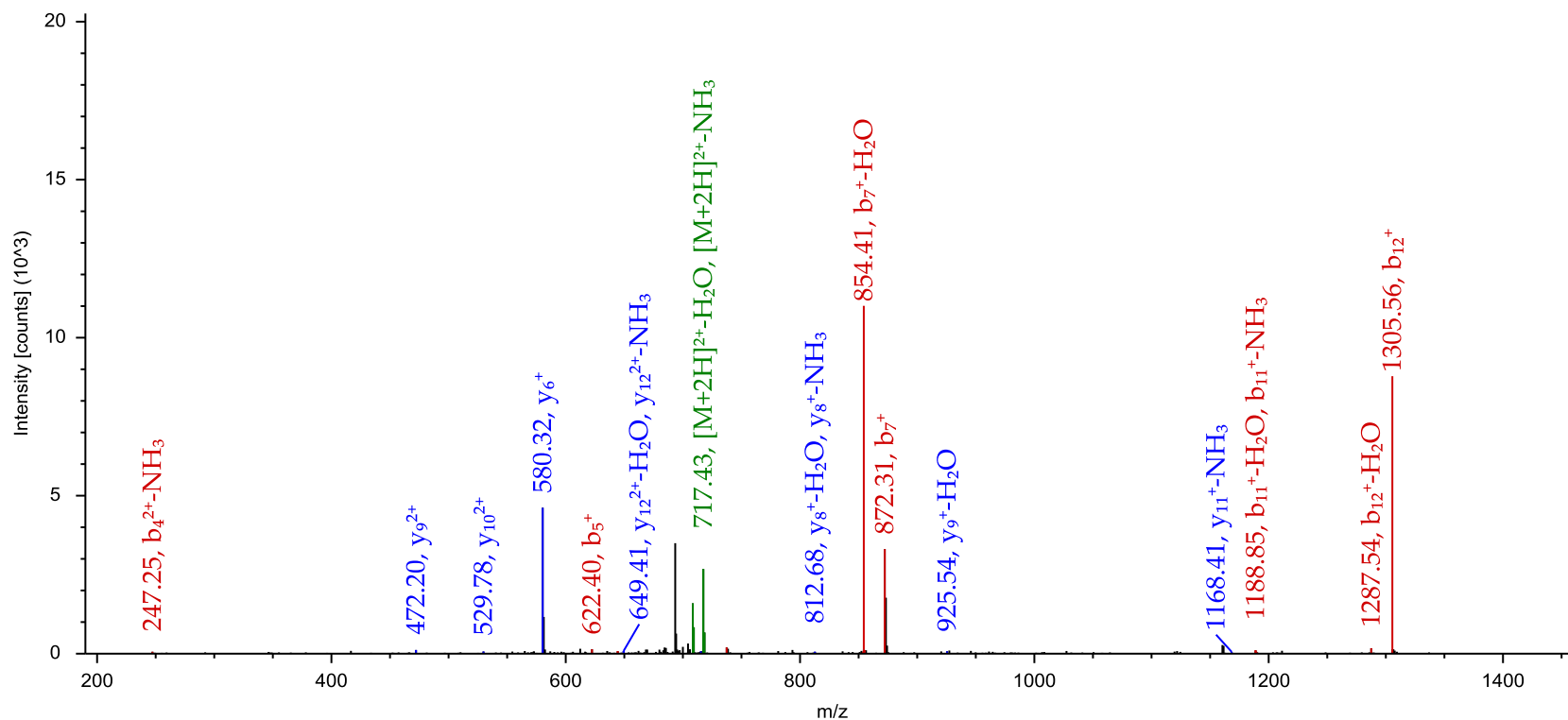


GVGTDEACLIILASR_C8_SO3H



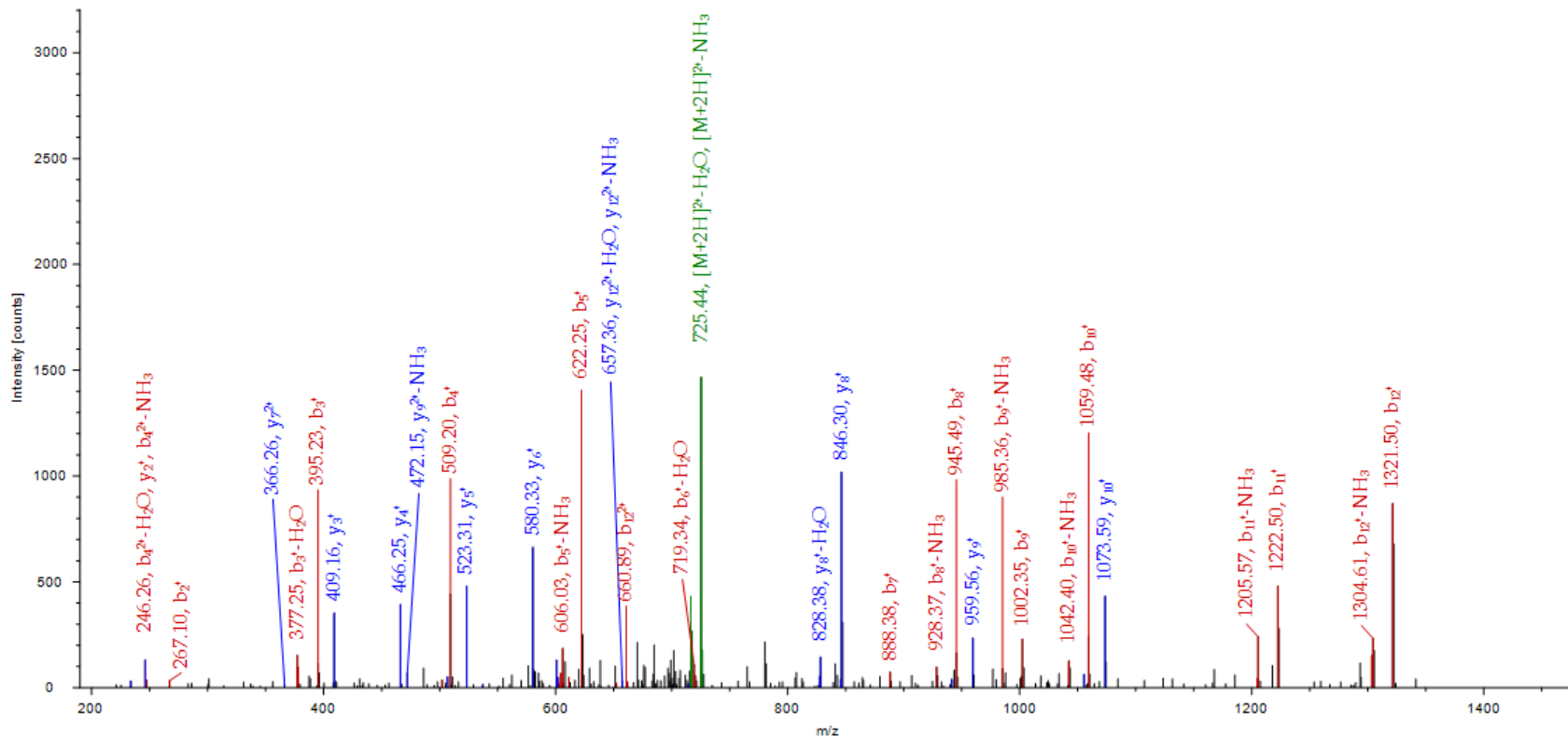
HEQNIDCGGGYVK_C7_S02H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #6280
ITMS, CID@35.00, z=+2, Mono m/z=726.31567 Da, MH+=1451.62407 Da, Match Tol.=0.8 Da



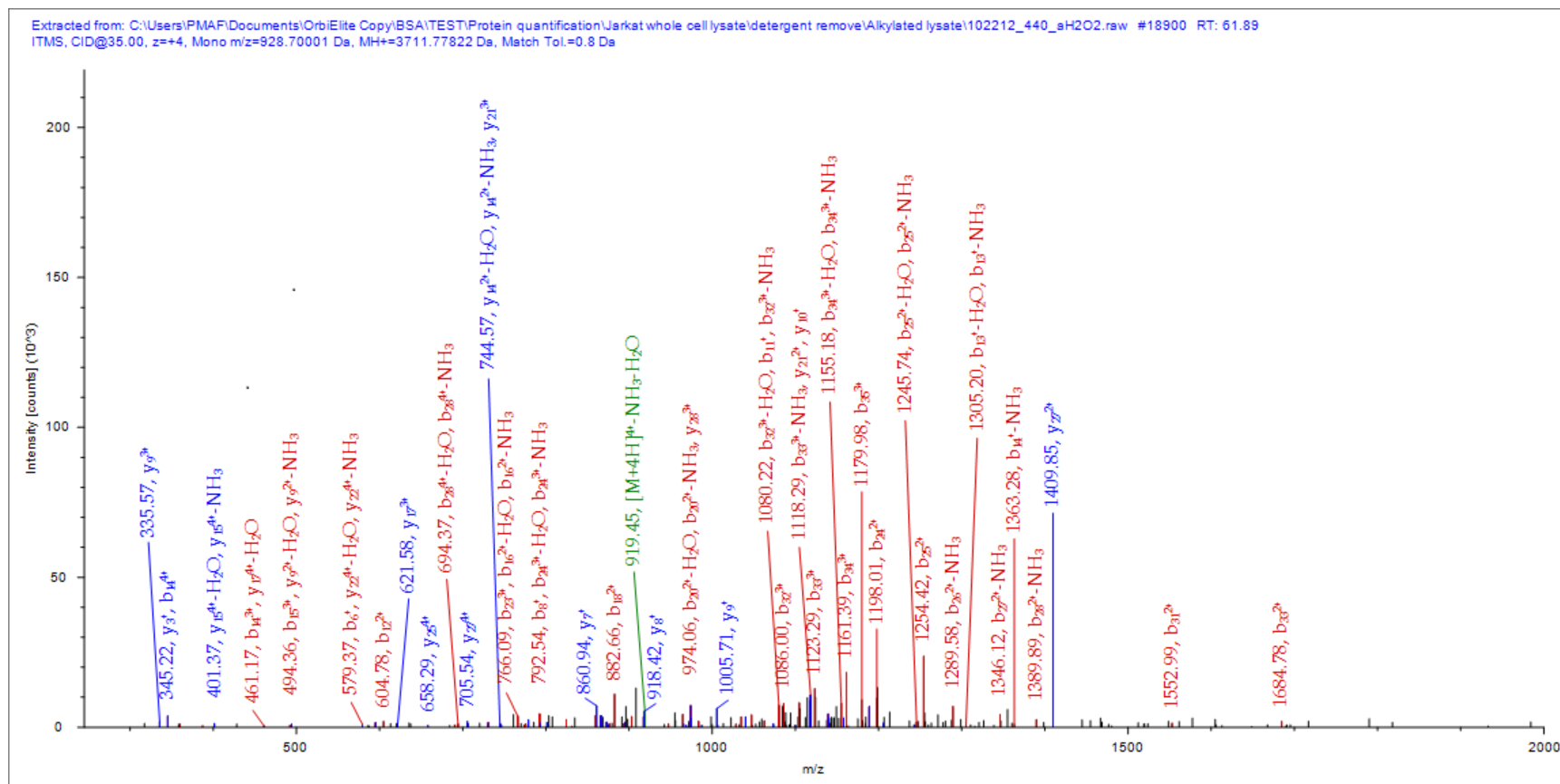
HEQNIDCGGGYVK_C7_S03H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #6437 RT: 27.74
ITMS, CID@35.00, z=+2, Mono m/z=734.31201 Da, MH+=1467.61675 Da, Match Tol.=0.8 Da

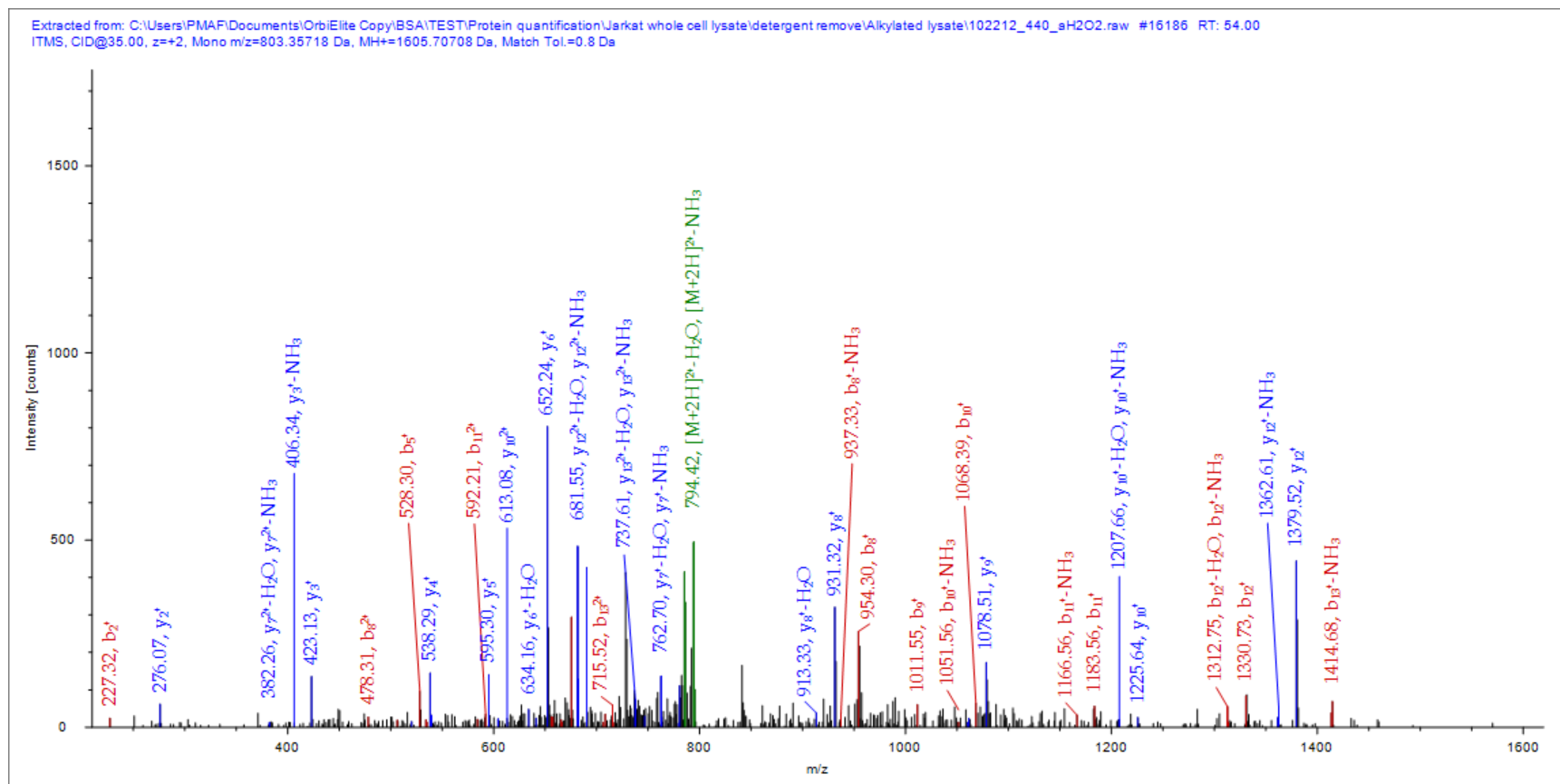


HVGD LGNV TADK DGVADV SIEDSVISLSG

DHCIIGR_C32_SO3H

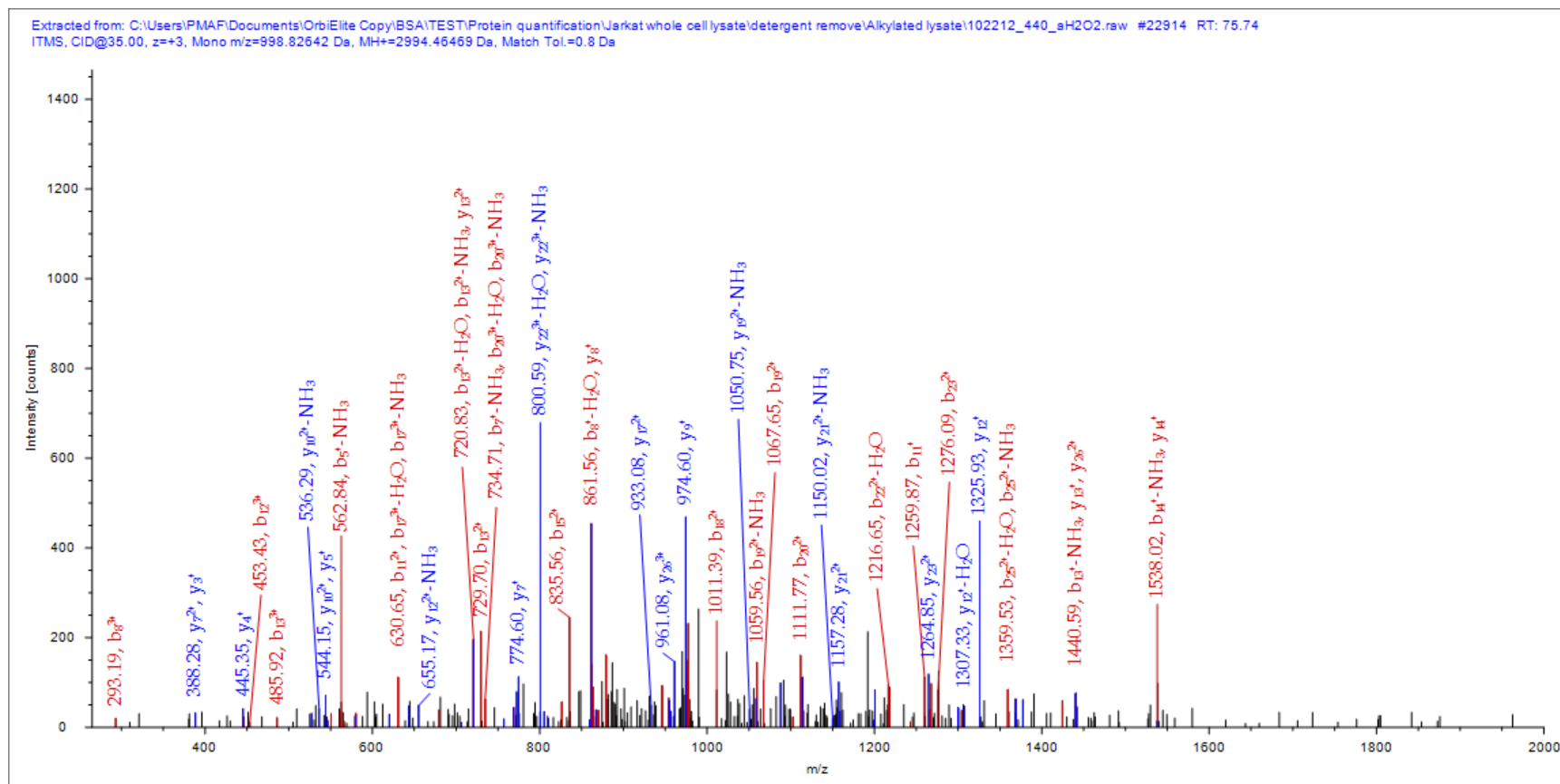


IIPGFMCGGDFTR_C7_S03H



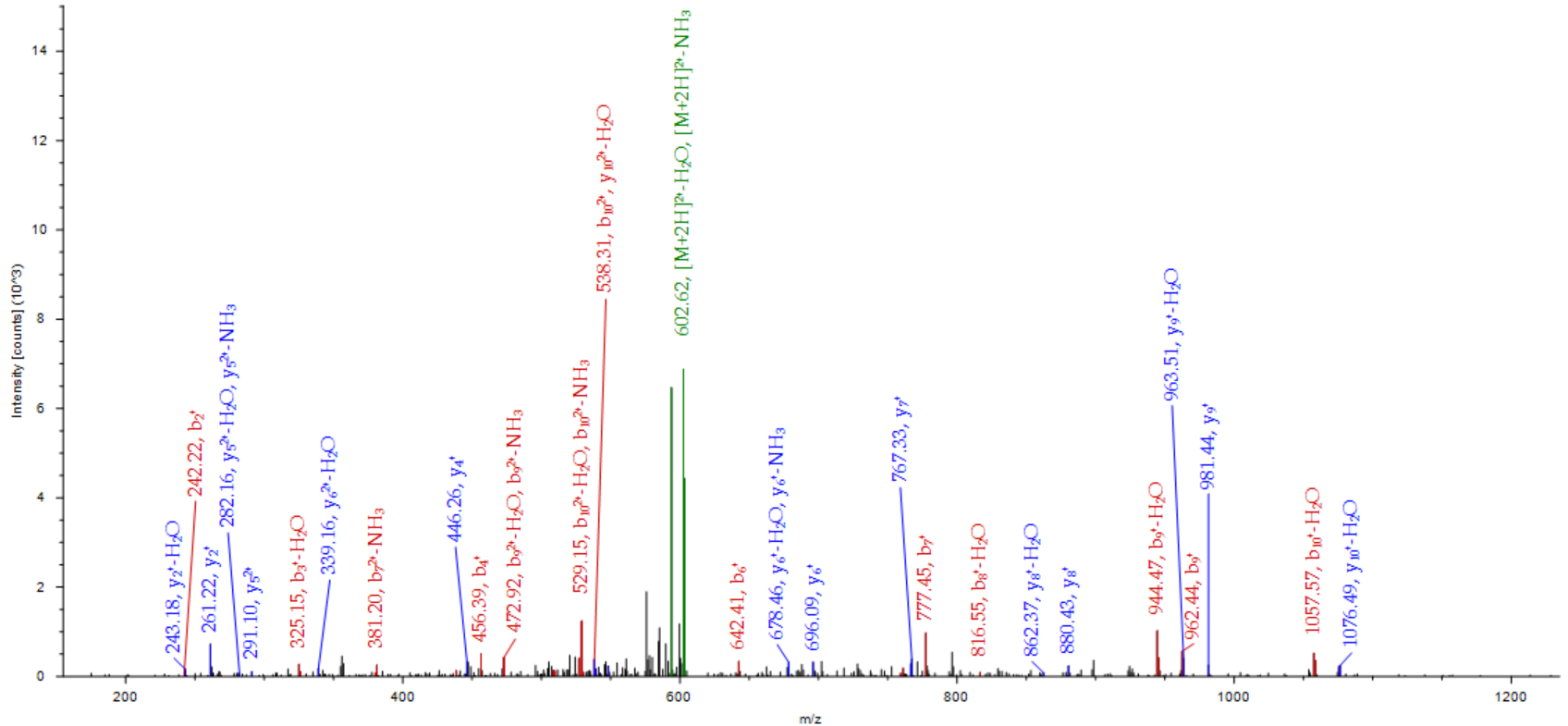
IQHSITAQDHQPTPDSCIISMVVGQLK

_C17_SO3H



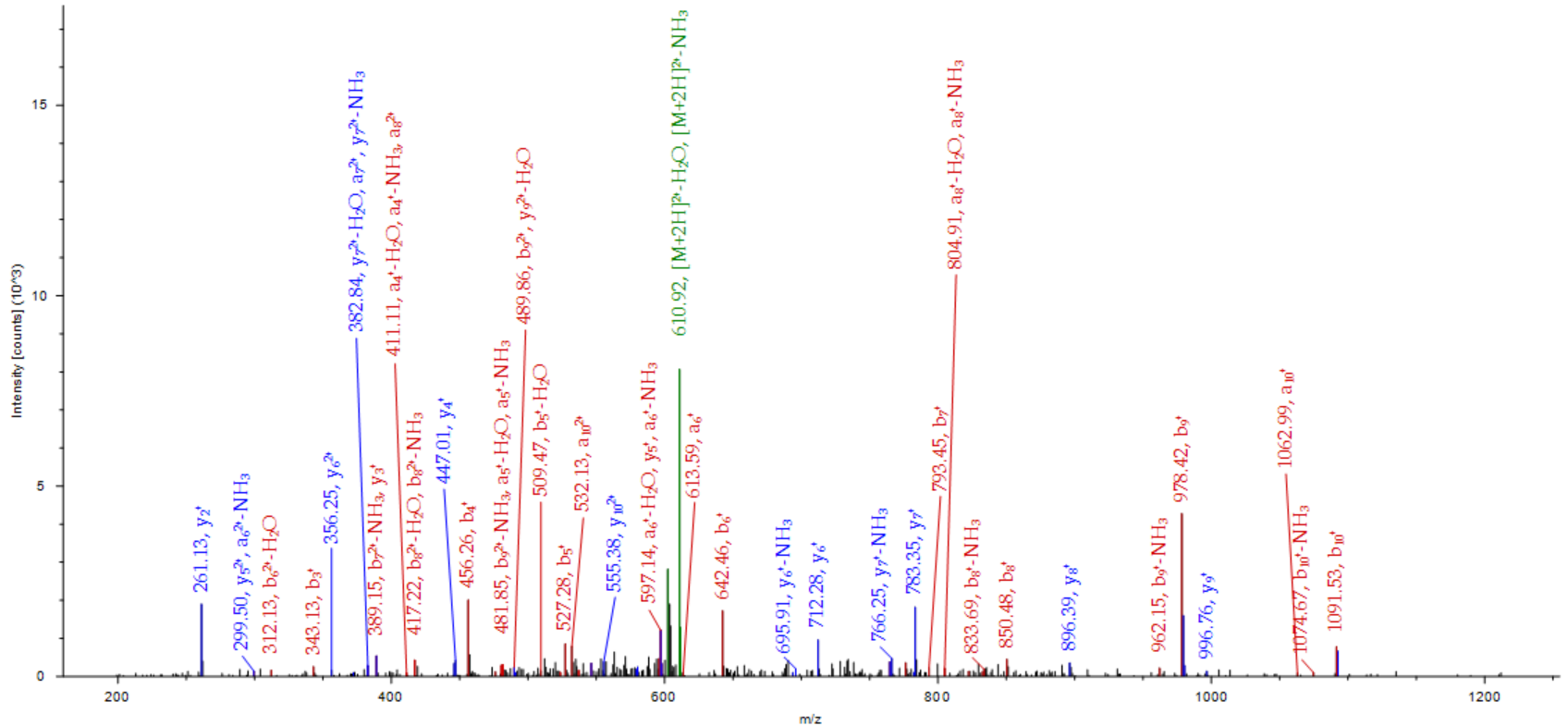
KITIADCGQLE_C7_SO2H

Extracted from: C:\Users\PMAP\Documents\OrbiElite_Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #11403 RT: 40.91
ITMS, CID@35.00, z=+2, Mono m/z=611.80261 Da, MH+=1222.59795 Da, Match Tol.=0.8 Da



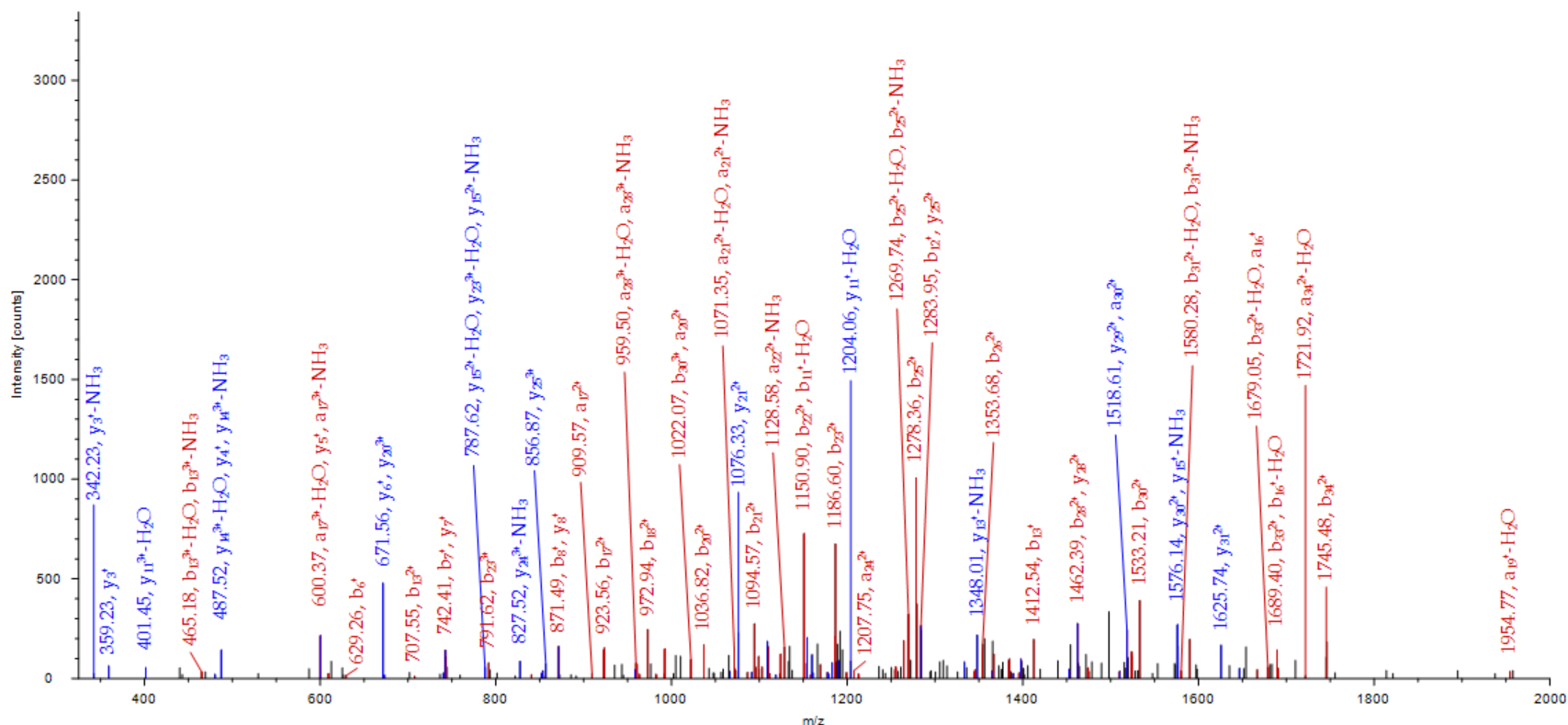
KITIADCGQLE_C7_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #11803 RT: 41.98
ITMS, CID@35.00, z=+2, Mono m/z=619.80066 Da, MH+=1238.59404 Da, Match Tol.=0.8 Da

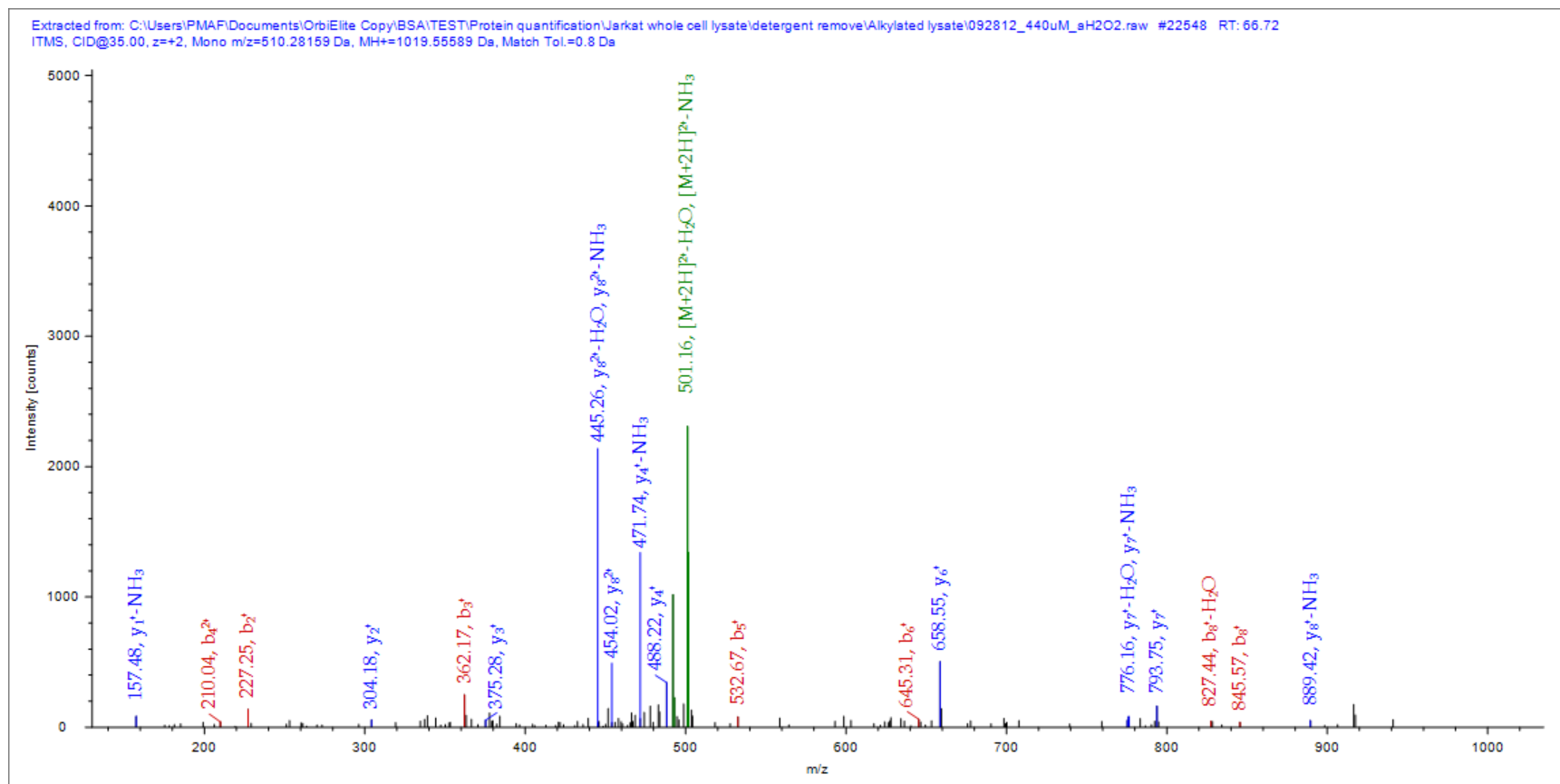


LADDVDLEQVANETHGHVGADLAALCSE AALQAIR_C26_SO3H

Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #19571 RT: 63.92
ITMS, CID@35.00, z=+3, Mono m/z=1221.92358 Da, MH+=3663.75620 Da, Match Tol.=0.8 Da

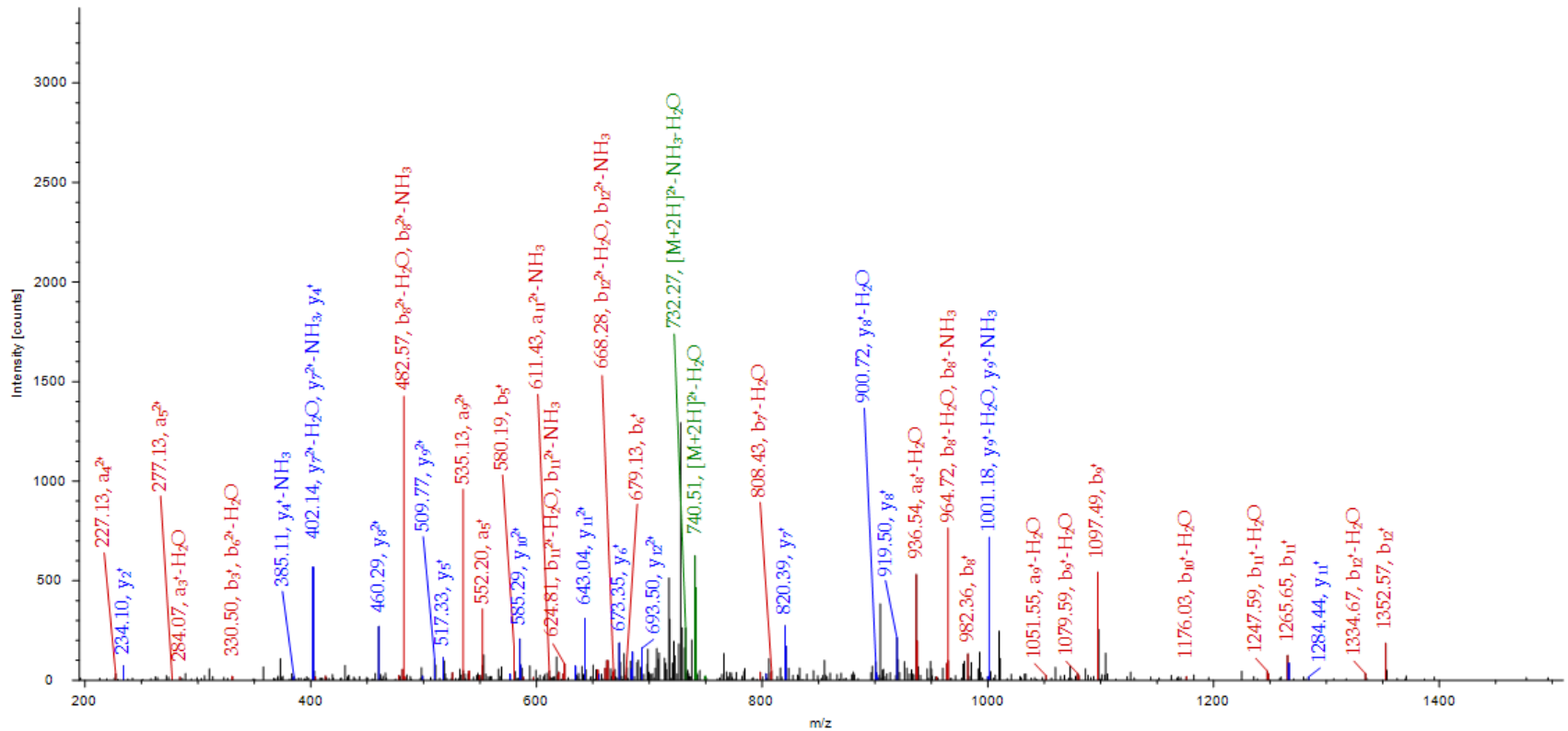


LLCGLLAER_C3_S02H



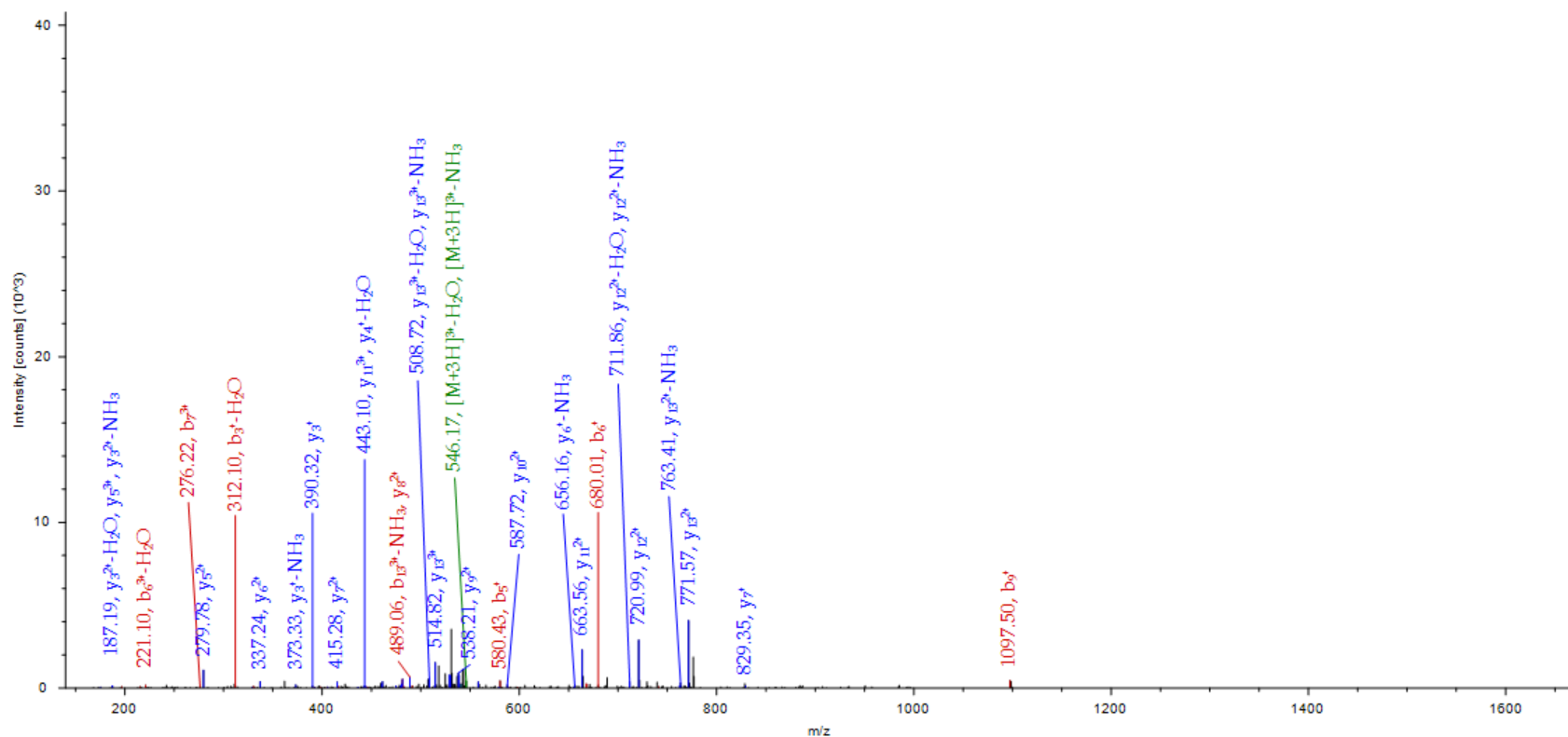
LTDCVVMRDPASK_C4_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alky\listed lysate\102212_440_sH2O2.raw #7567 RT: 30.76
ITMS, CID@35.00, z=+2, Mono m/z=749.84753 Da, MH+=1498.68779 Da, Match Tol.=0.8 Da



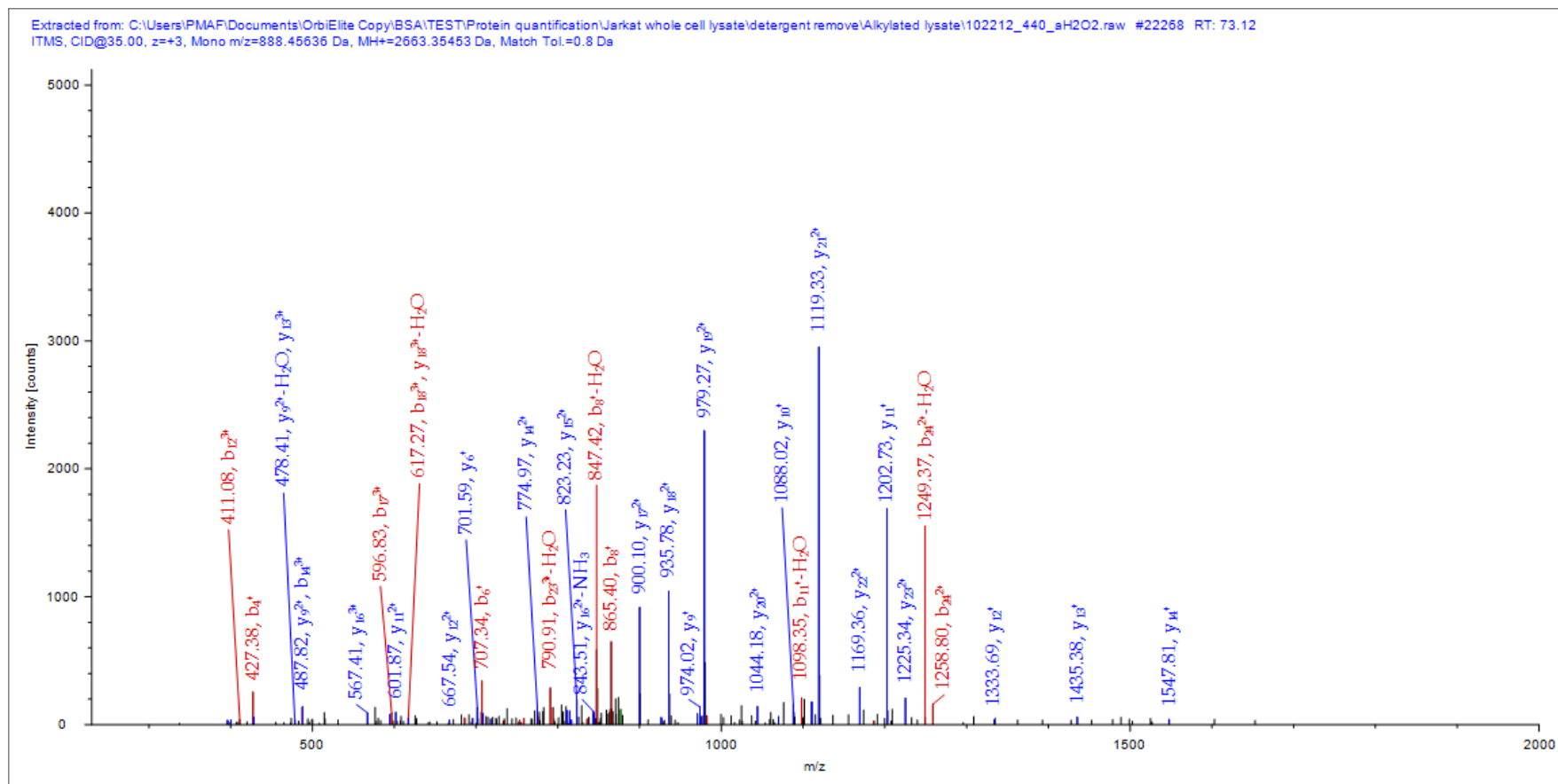
LTDCVVMRDPASKR_C4_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #6408 RT: 27.66
ITMS, CID@35.00, z=+3, Mono m/z=552.26770 Da, MH+=1654.78855 Da, Match Tol.=0.8 Da



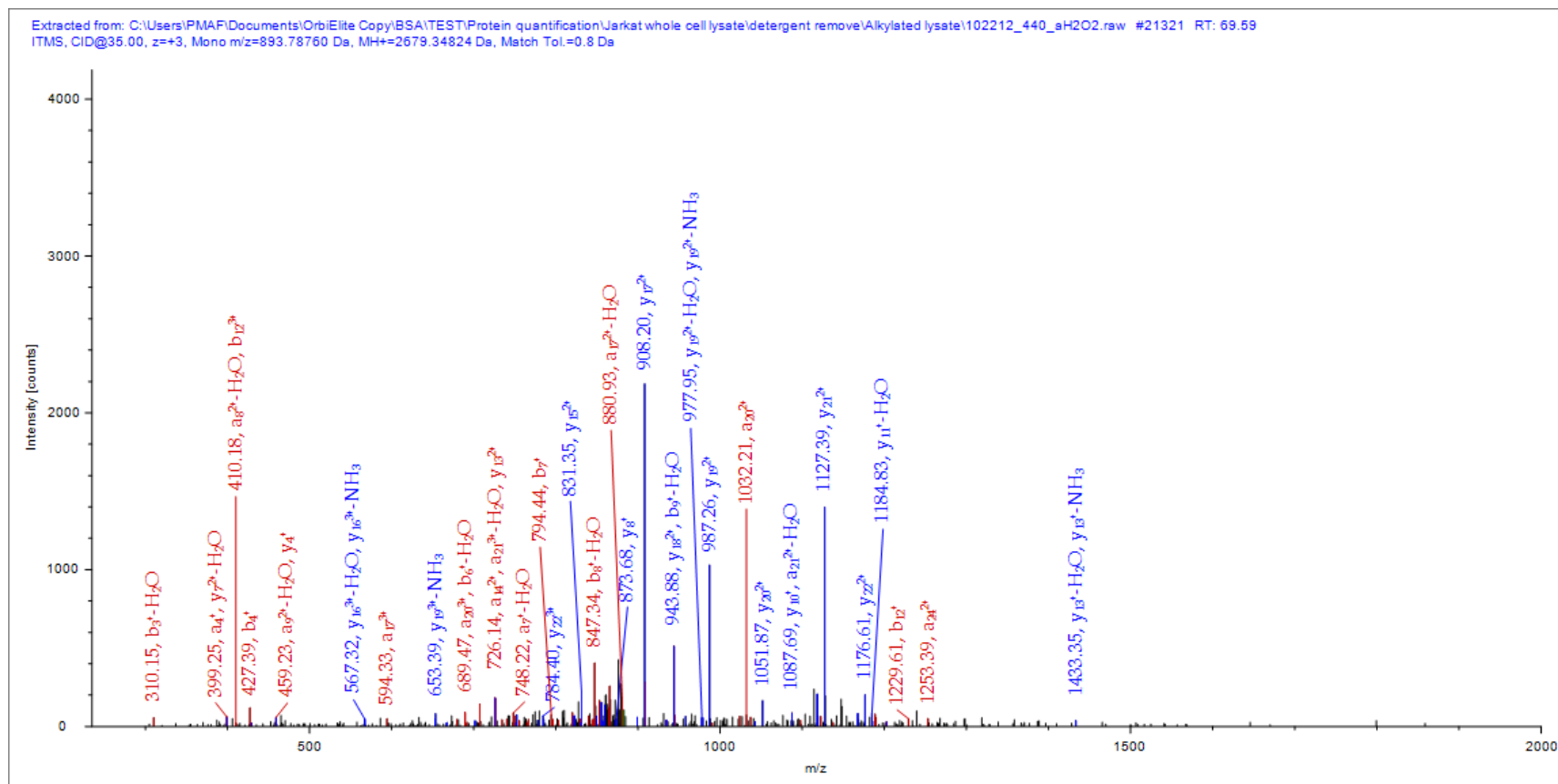
LTLVCESAPGPITMDLTGDLK

_C5_S03H

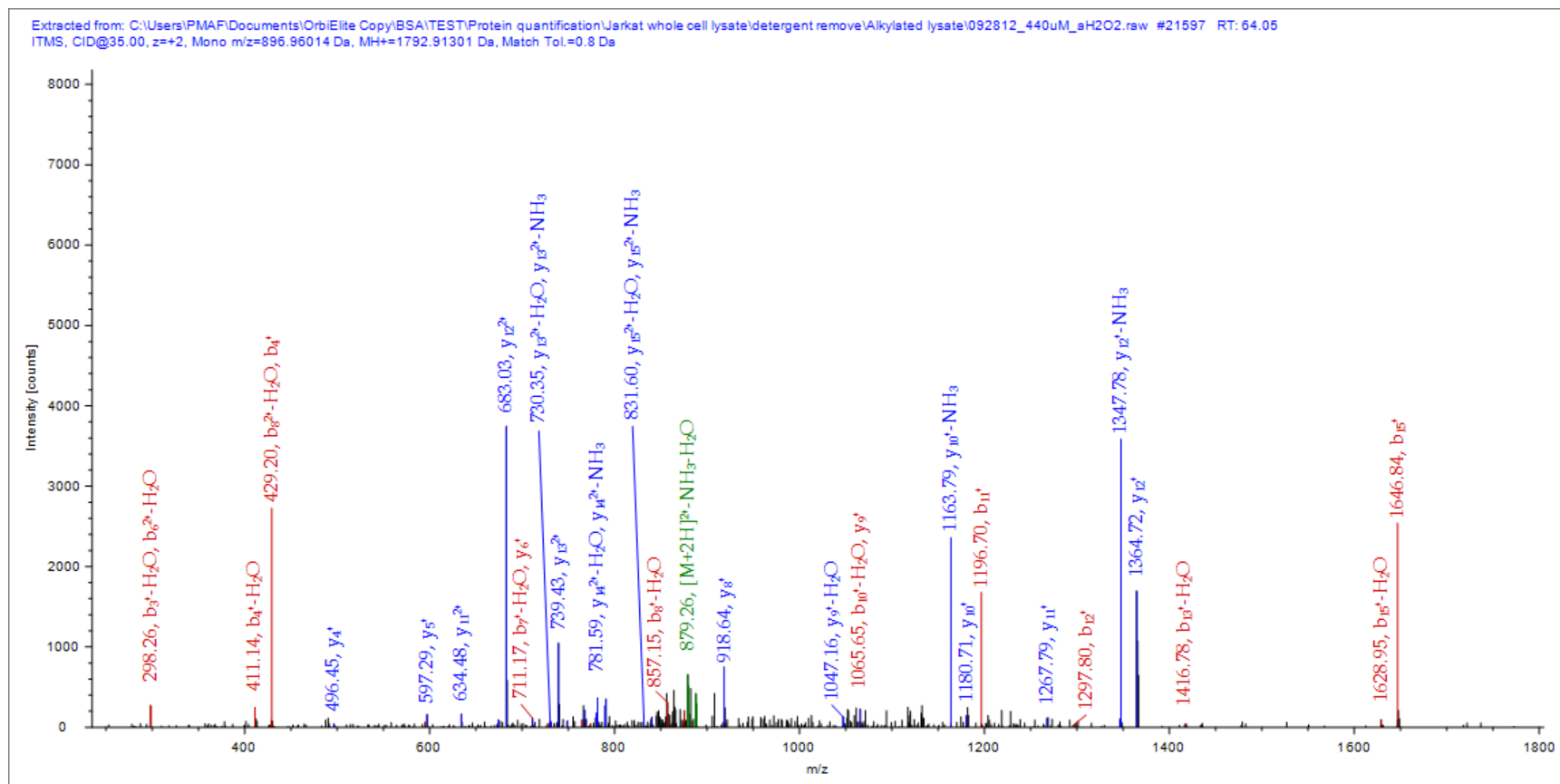


LTLVCESAPGPITMDLTGDLK

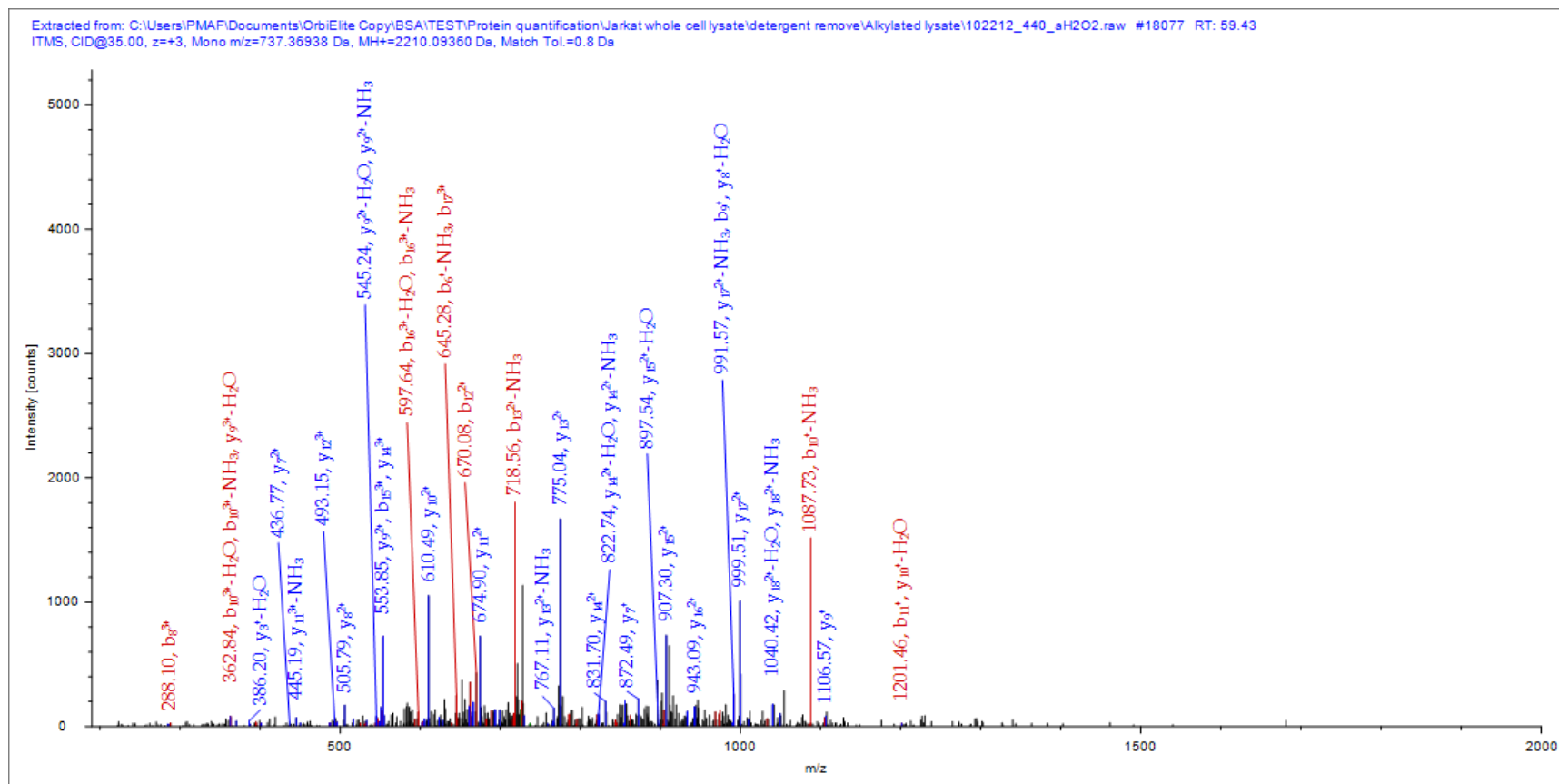
_C5_SO3H_Mox



LTTLPSCFCGLTHLVK_C9_SO3H

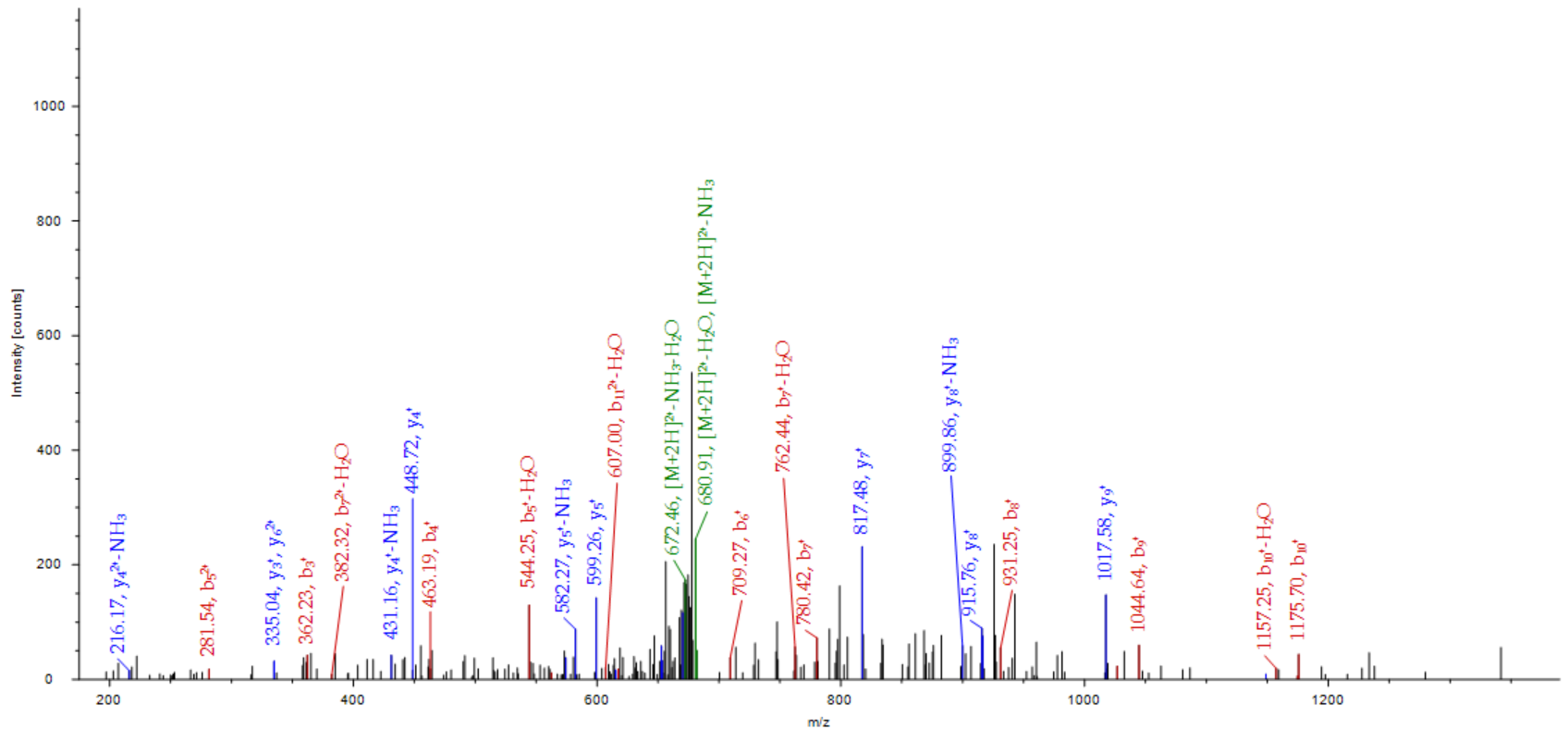


LVNACLAEEELPHIHAFEQK_C5_SO3H



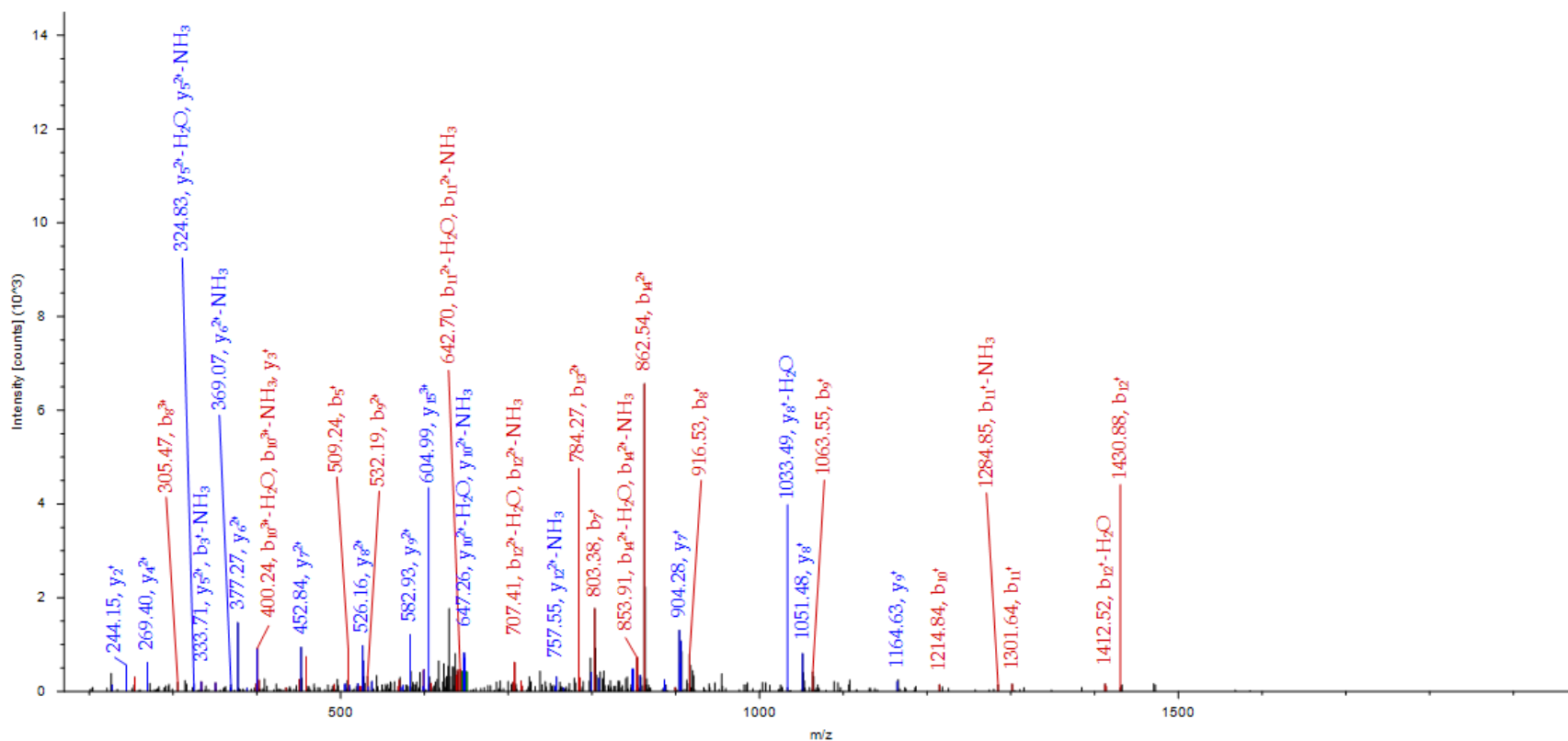
MVMTVFACLMGK_C8_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\092812_440uM_aH2O2.raw #24653 RT: 73.34
ITMS, CID@35.00, z=+2, Mono m/z=689.81561 Da, MH+=1378.62395 Da, Match Tol.=0.8 Da

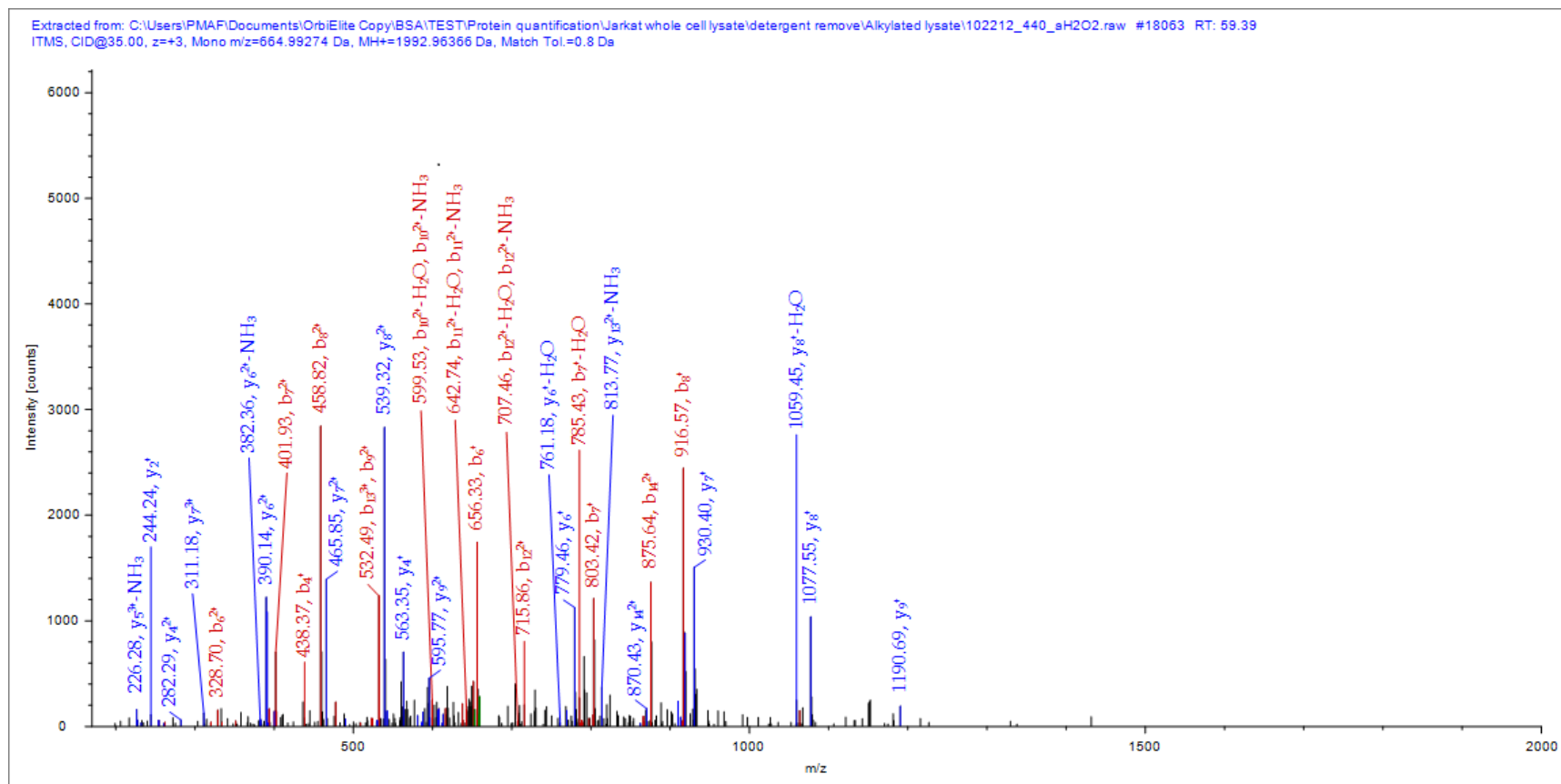


RPPSAFFLFCSEHRPK_C10_SO3H

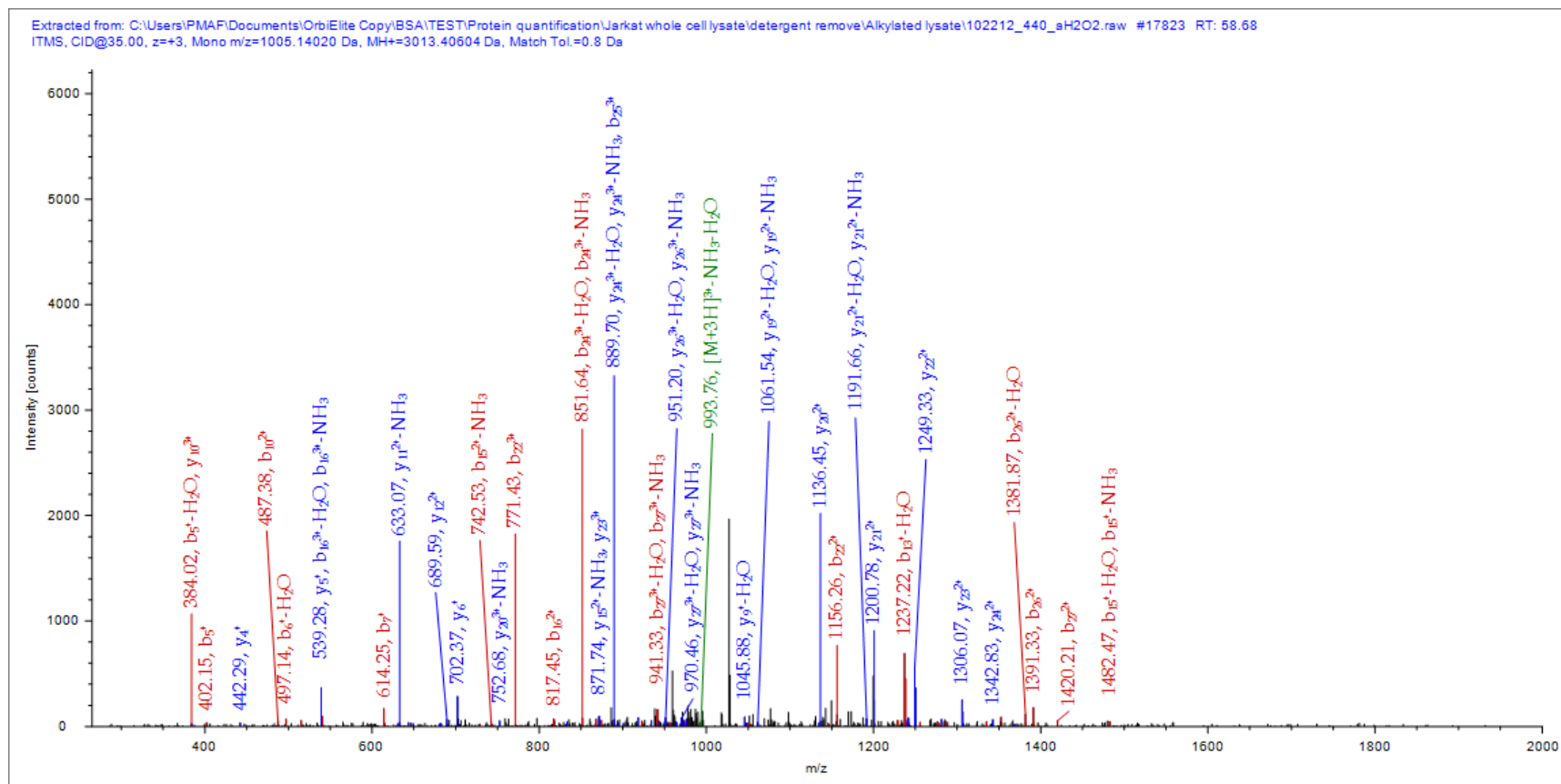
Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_sH2O2.raw #15870 RT: 53.10
ITMS, CID@35.00, z=+3, Mono m/z=656.32434 Da, MH+=1966.95847 Da, Match Tol.=0.8 Da



RPPSAFFLFCSEYRPK_C10_SO3H

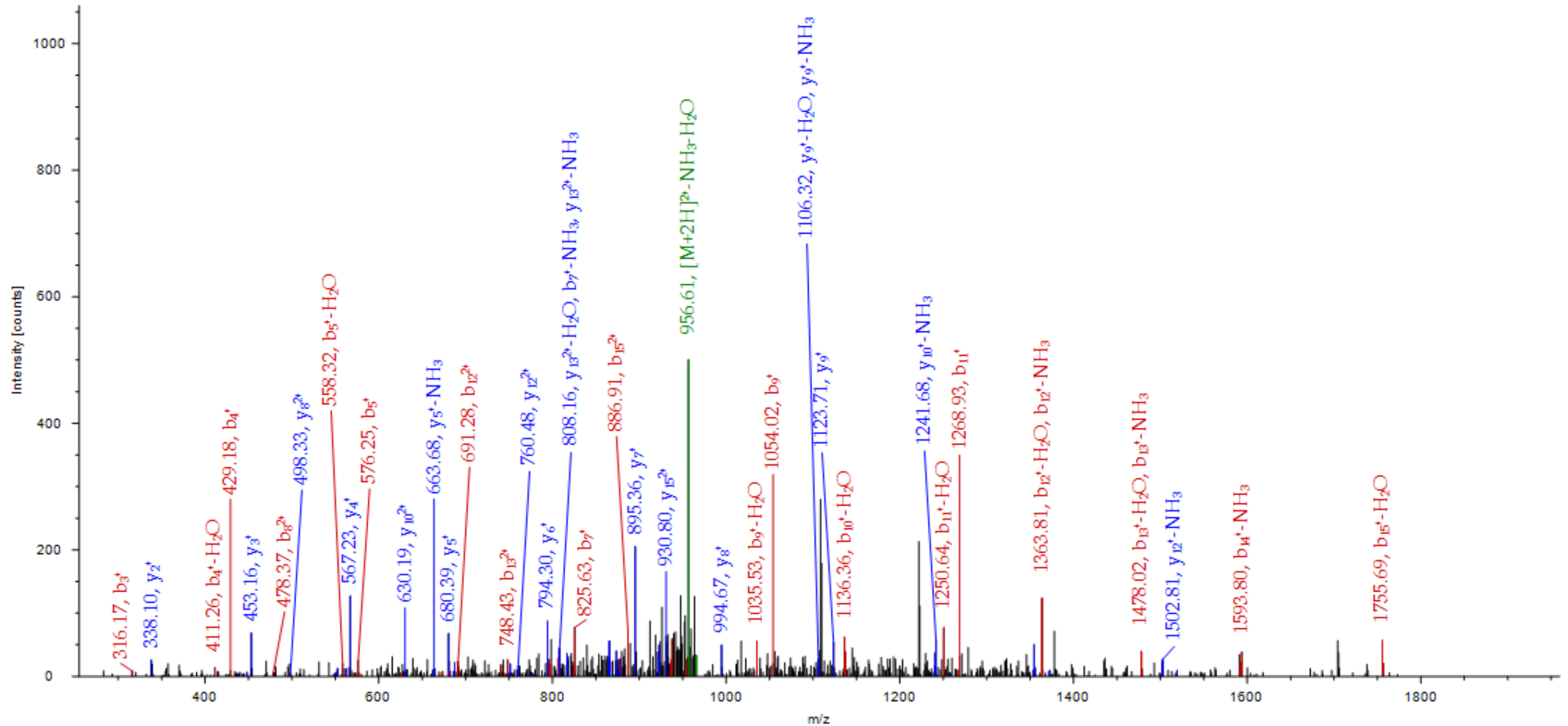


SGDAAIVEMVPGKPMCVESFSQYPPLGR_ C16_SO3H



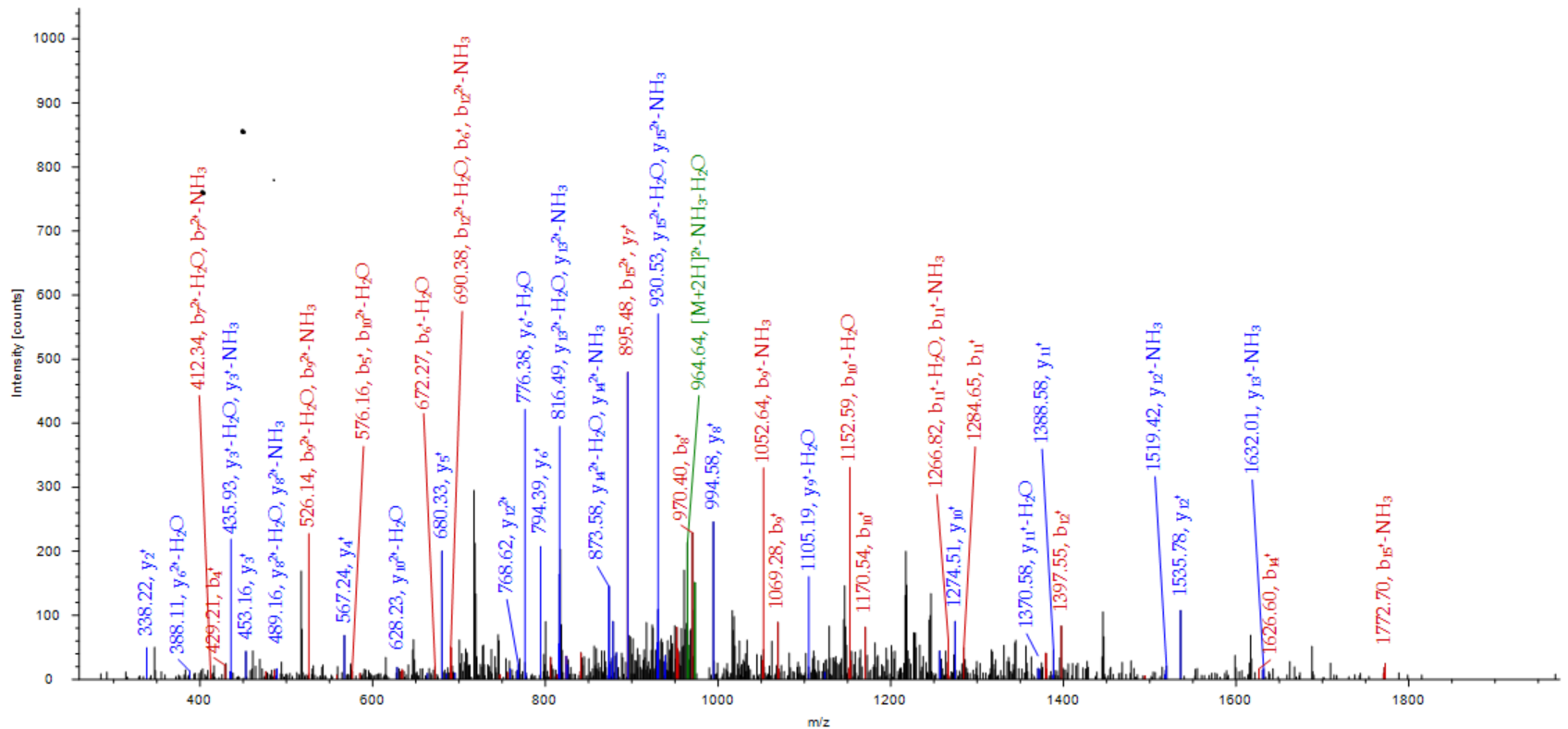
SLDLFNCEVTNLNDYR_C7_SO2H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #20463 RT: 66.68
ITMS, CID@35.00, z=+2, Mono m/z=974.44153 Da, MH+=1947.87578 Da, Match Tol.=0.8 Da



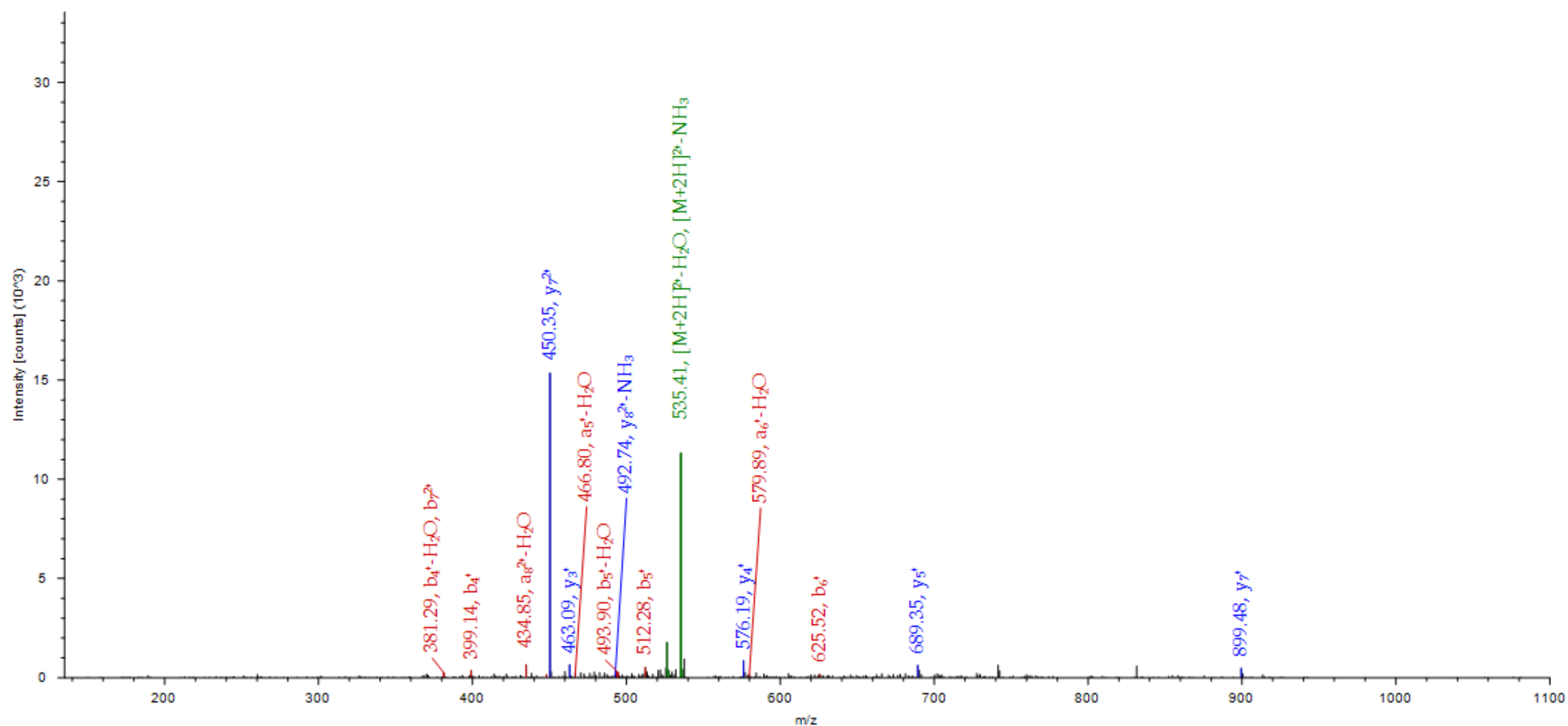
SLDLFNCEVTNLNDYR_C7_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #20495 RT: 66.80
ITMS, CID@35.00, z=+2, Mono m/z=982.43903 Da, MH+=1963.87078 Da, Match Tol.=0.8 Da



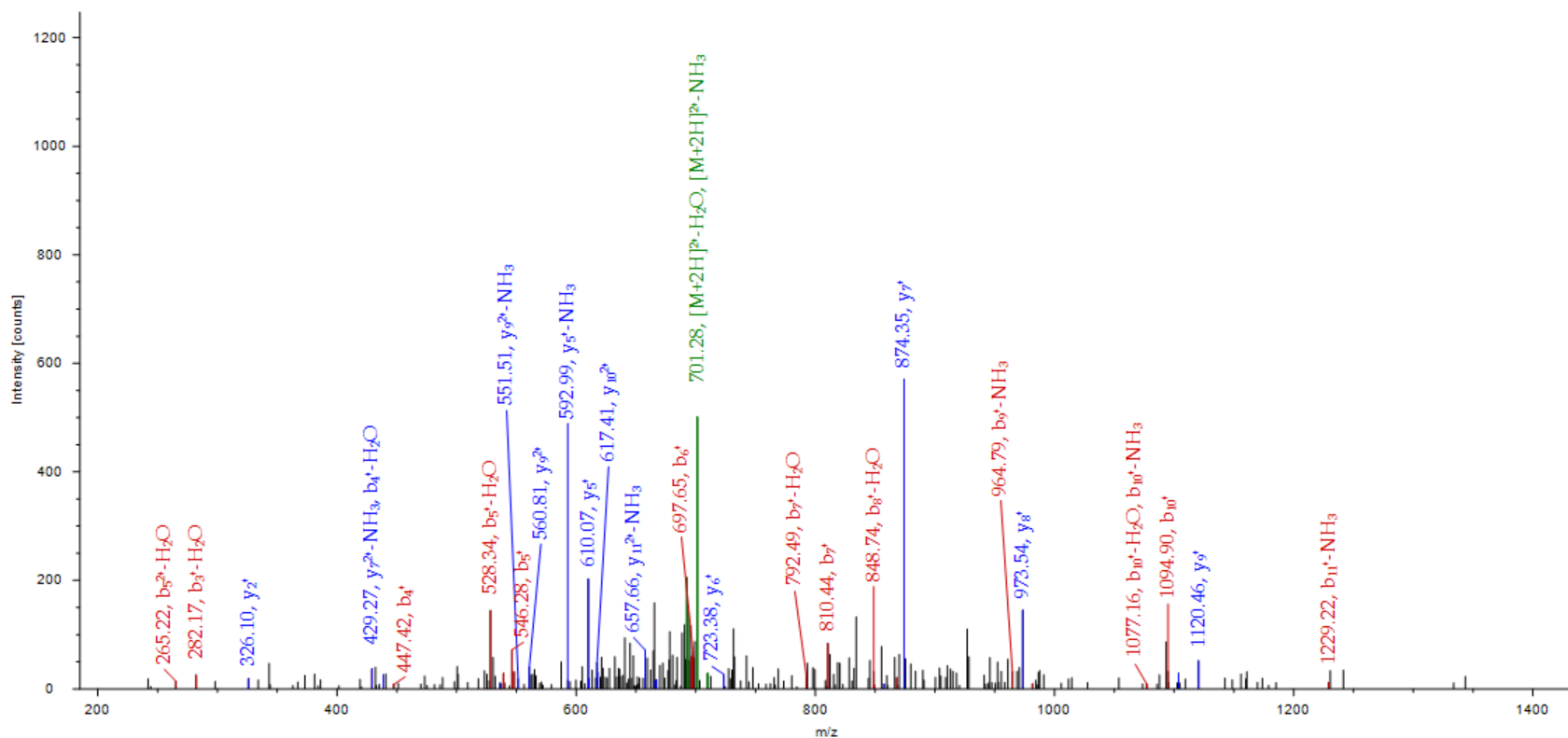
STPLLIHCR_C8_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #9988 RT: 37.16
ITMS, CID@35.00, z=+2, Mono m/z=544.28186 Da, MH+=1087.55644 Da, Match Tol.=0.8 Da

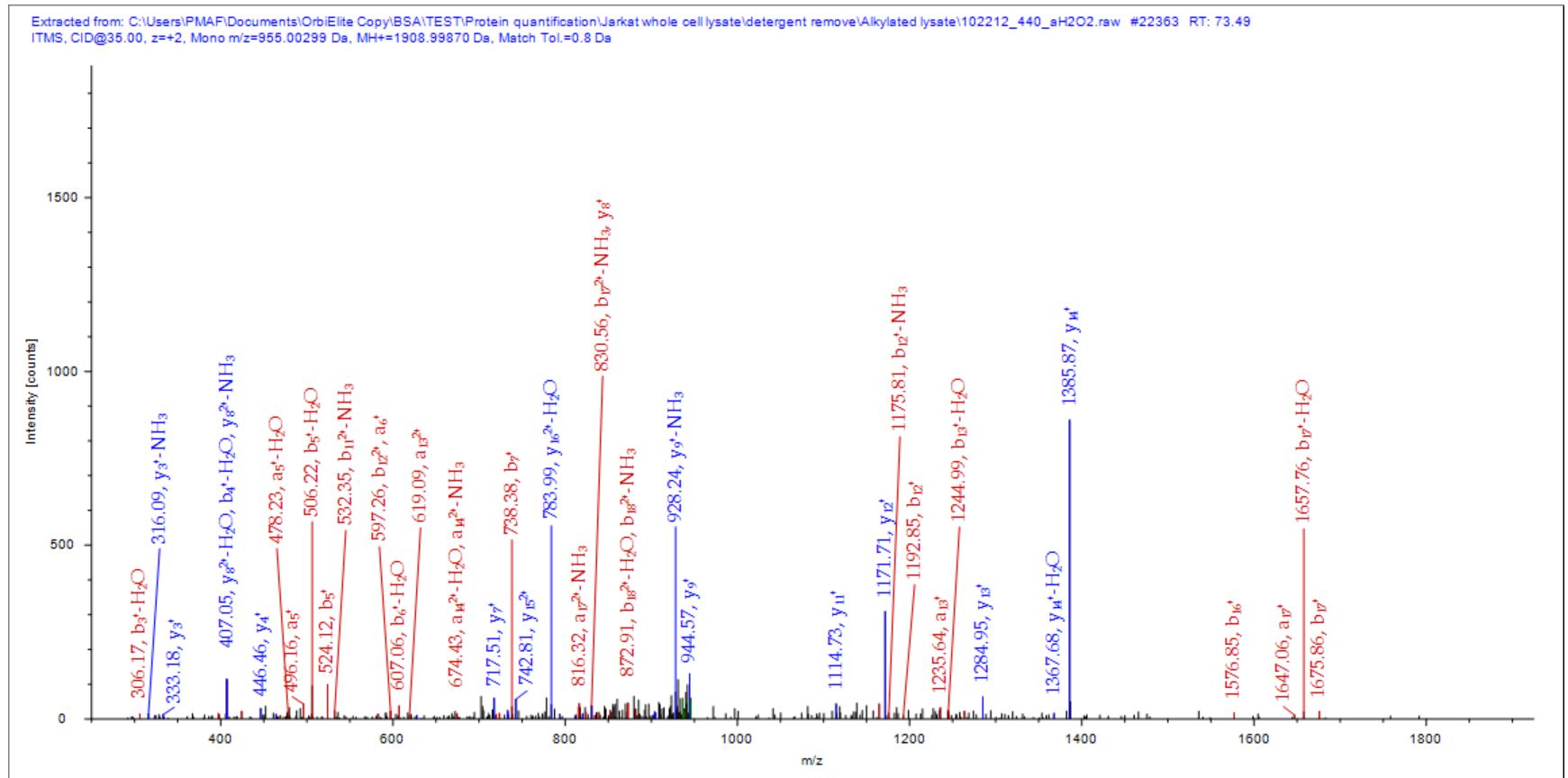


SVLFVCLGNICR_C6_SO3H_C11_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\092812_440uM_aH2O2.raw #23667 RT: 70.08
ITMS, CID@35.00, z=+2, Mono m/z=710.33331 Da, MH+=1419.65935 Da, Match Tol.=0.8 Da

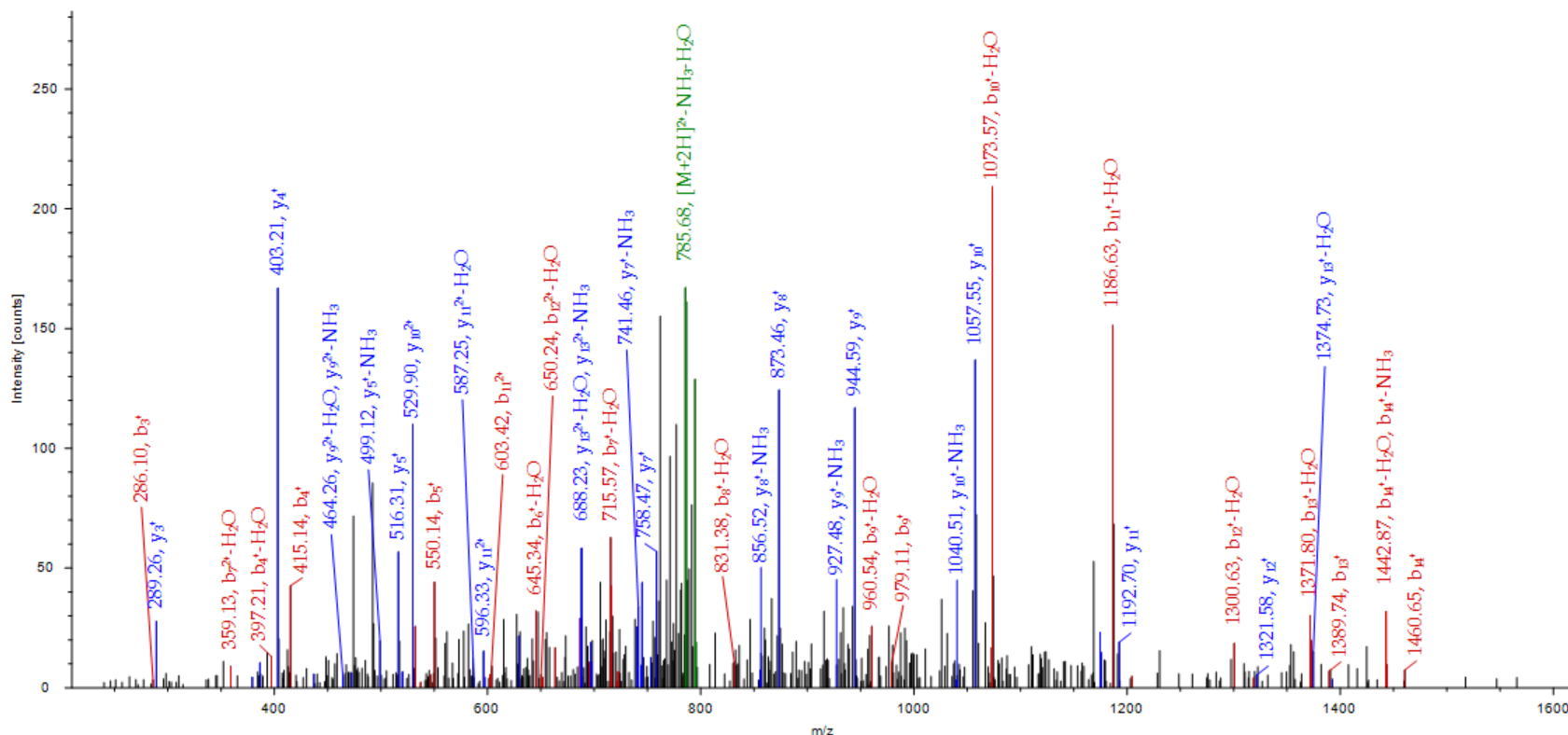


TCATVTIGGINIAEALVSK_C2_SO3H



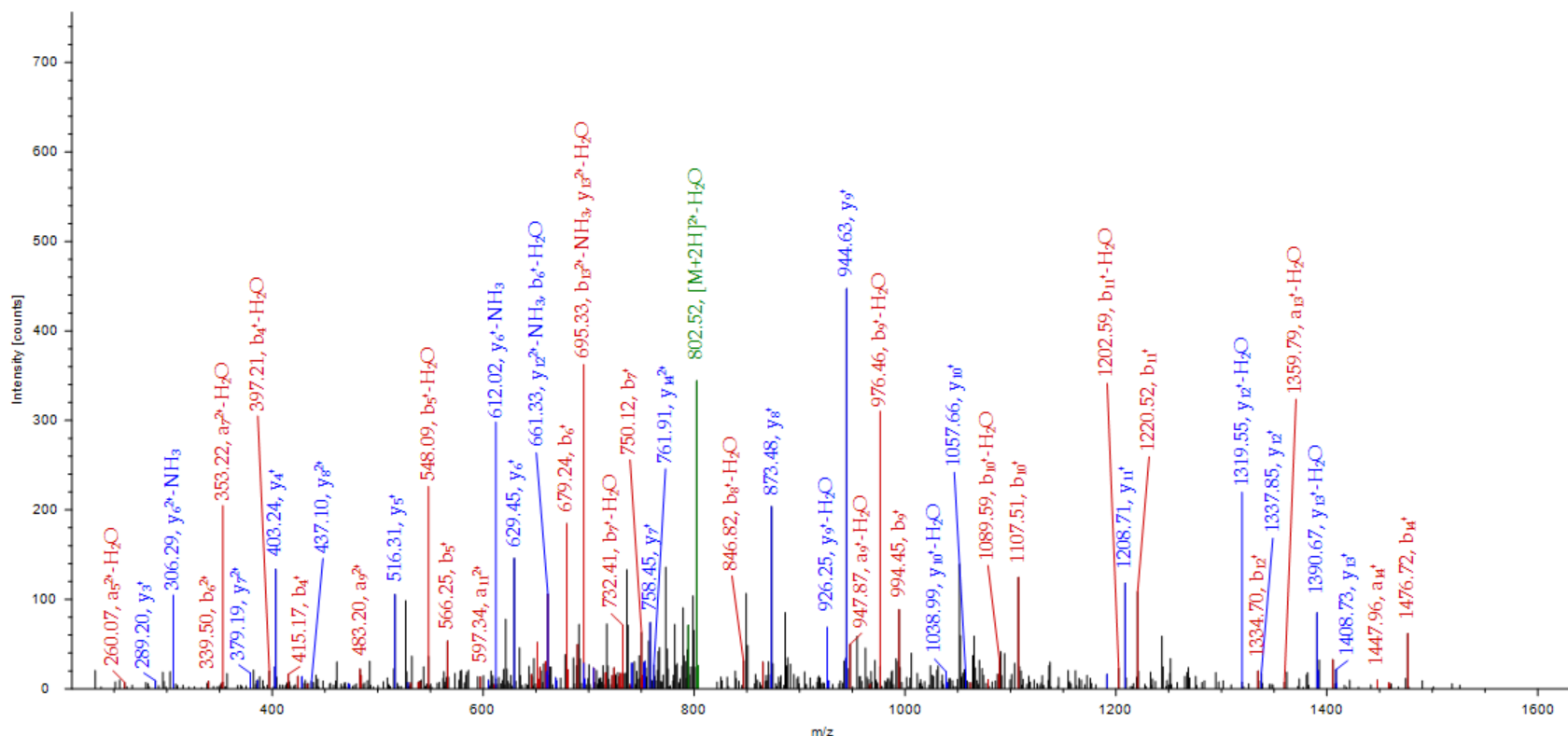
TIAECLADELINAAK_C5_SO2H

Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #23557 RT: 78.48
ITMS, CID@35.00, z=+2, Mono m/z=803.90417 Da, MH+=1606.80107 Da, Match Tol.=0.8 Da

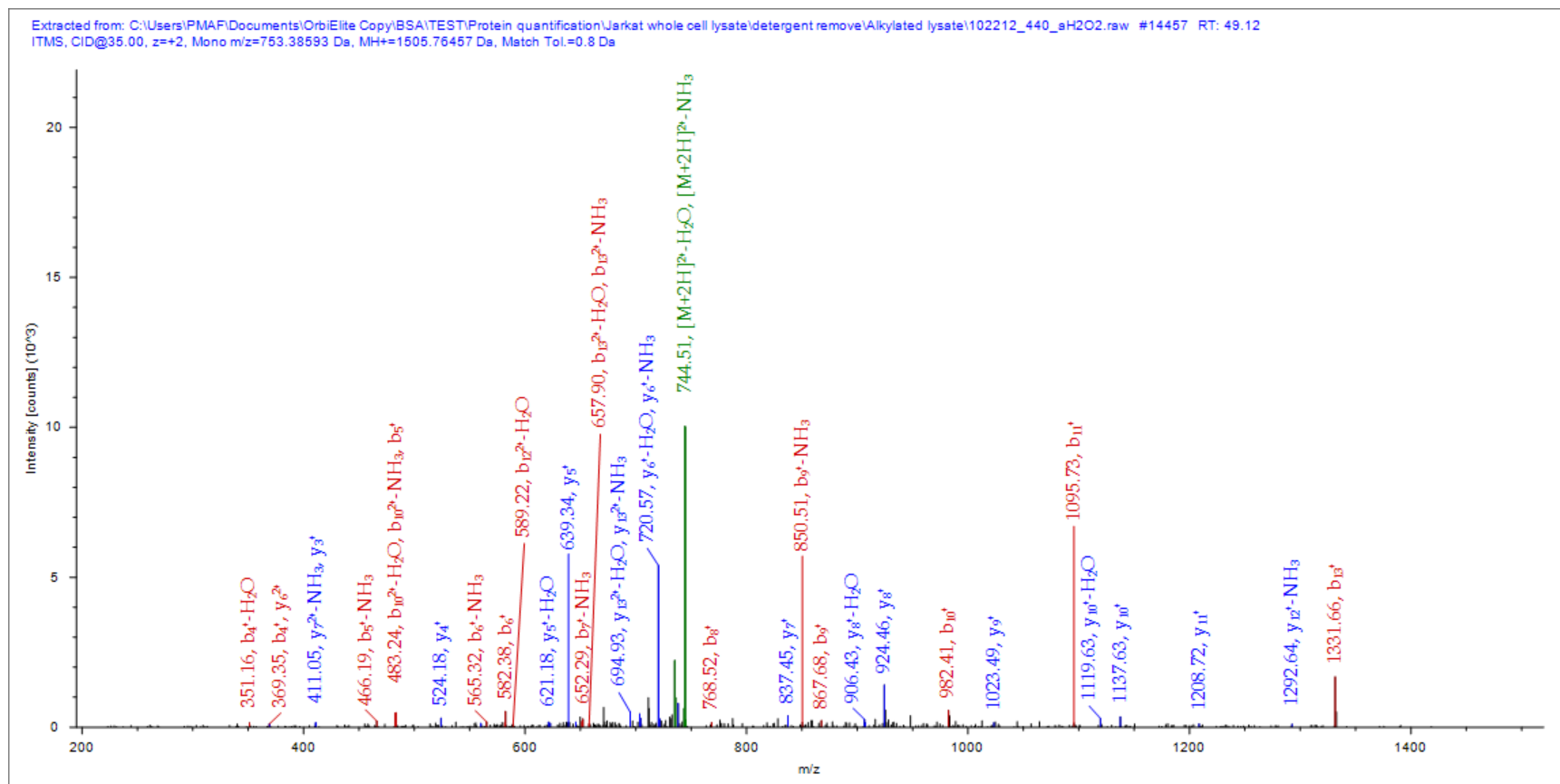


TIAECLADELINAAK_C5_SO3H

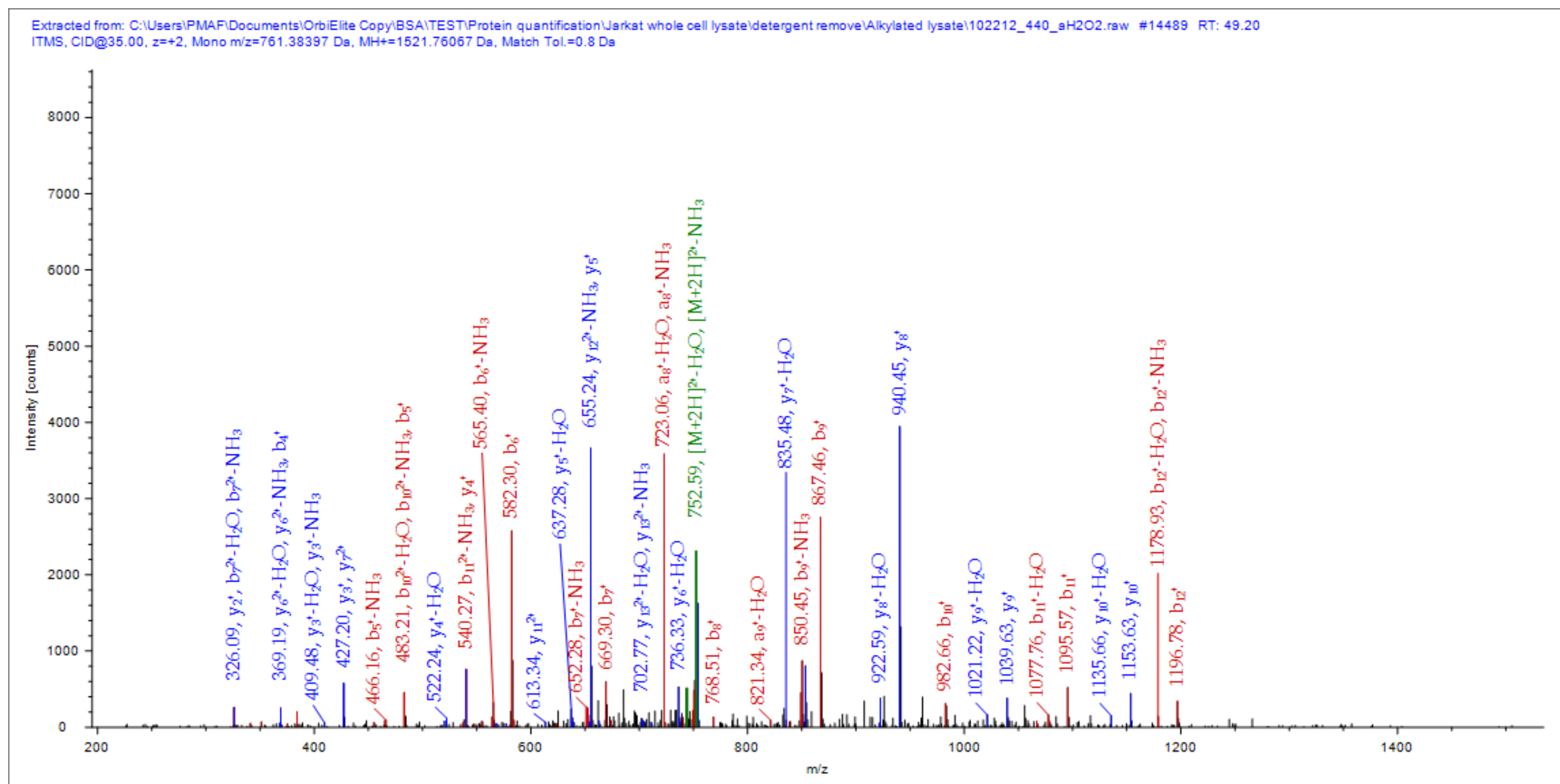
Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #23292 RT: 77.31
ITMS, CID@35.00, z=+2, Mono m/z=811.90125 Da, MH+=1622.79521 Da, Match Tol.=0.8 Da



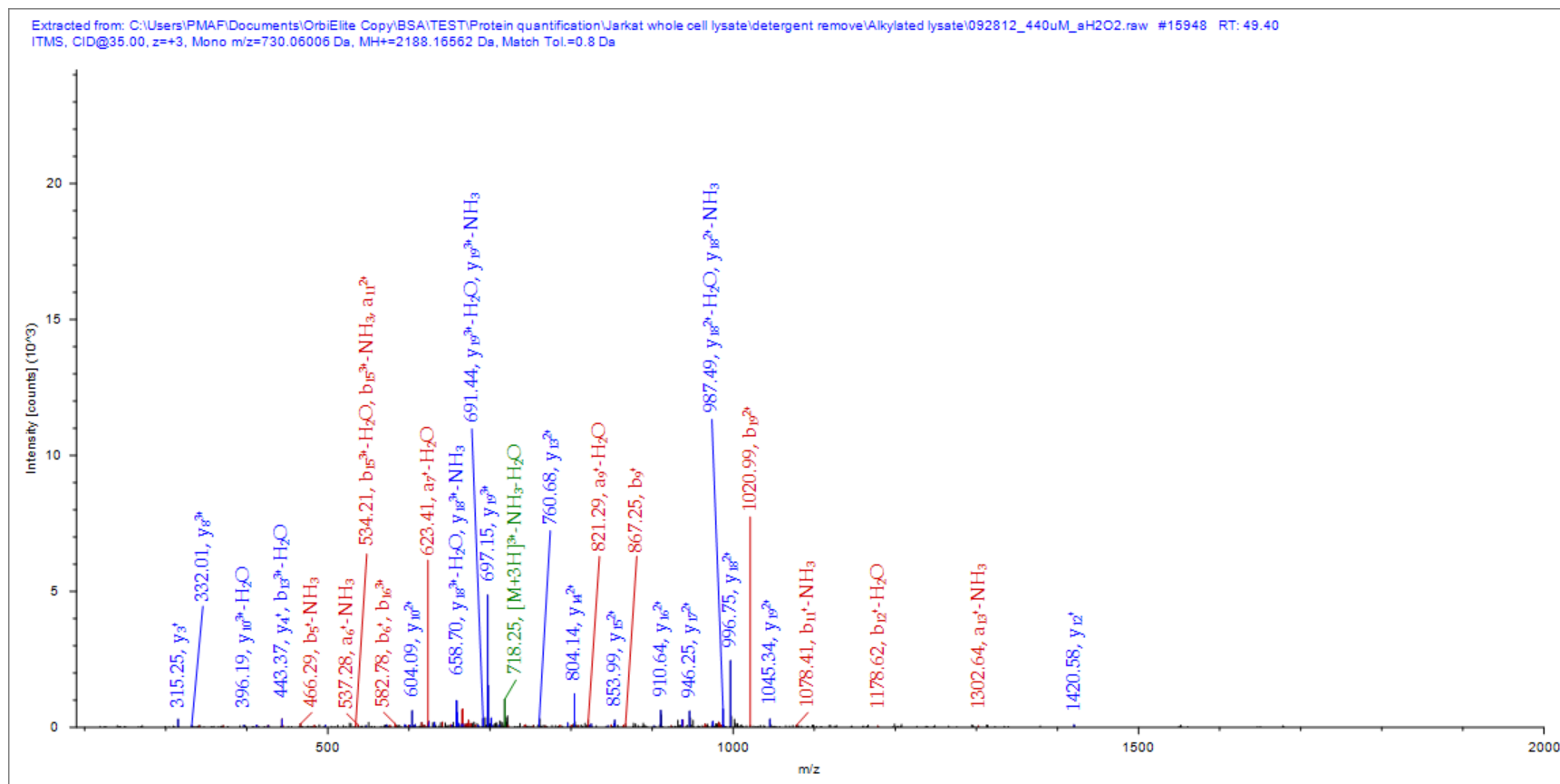
VPTANVSVVDLTCR_C13_SO2H



VPTANVSVVDLTCR_C13_SO3H

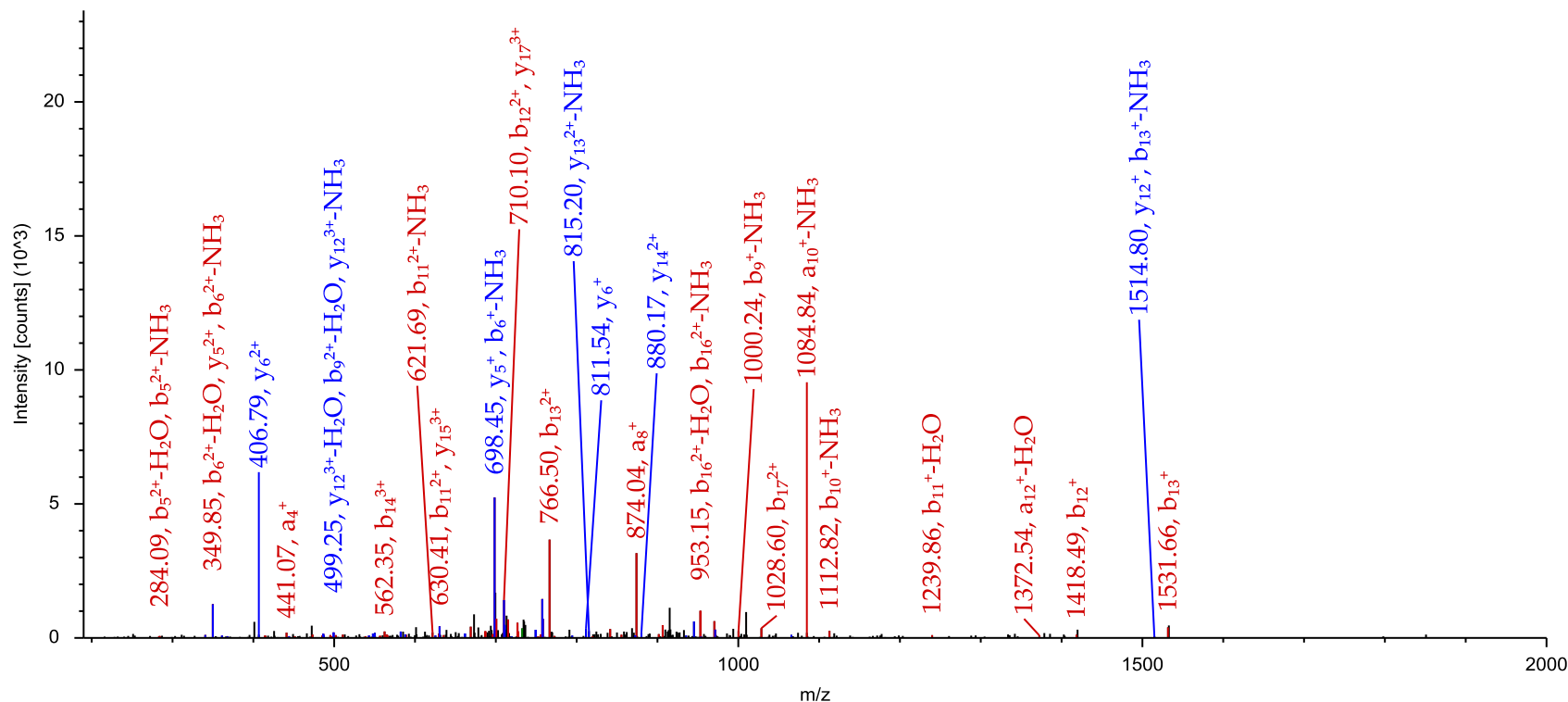


VPTANVSVVDLTCRLEKPAK_C13_SO3H



VQLKDMGEDLECLCQIMR_C14_SO3H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #15847
ITMS, CID@35.00, z=+3, Mono m/z=743.67114 Da, MH+=2228.99887 Da, Match Tol.=0.8 Da



YHTINGHNCEVKK_C9_SO3H

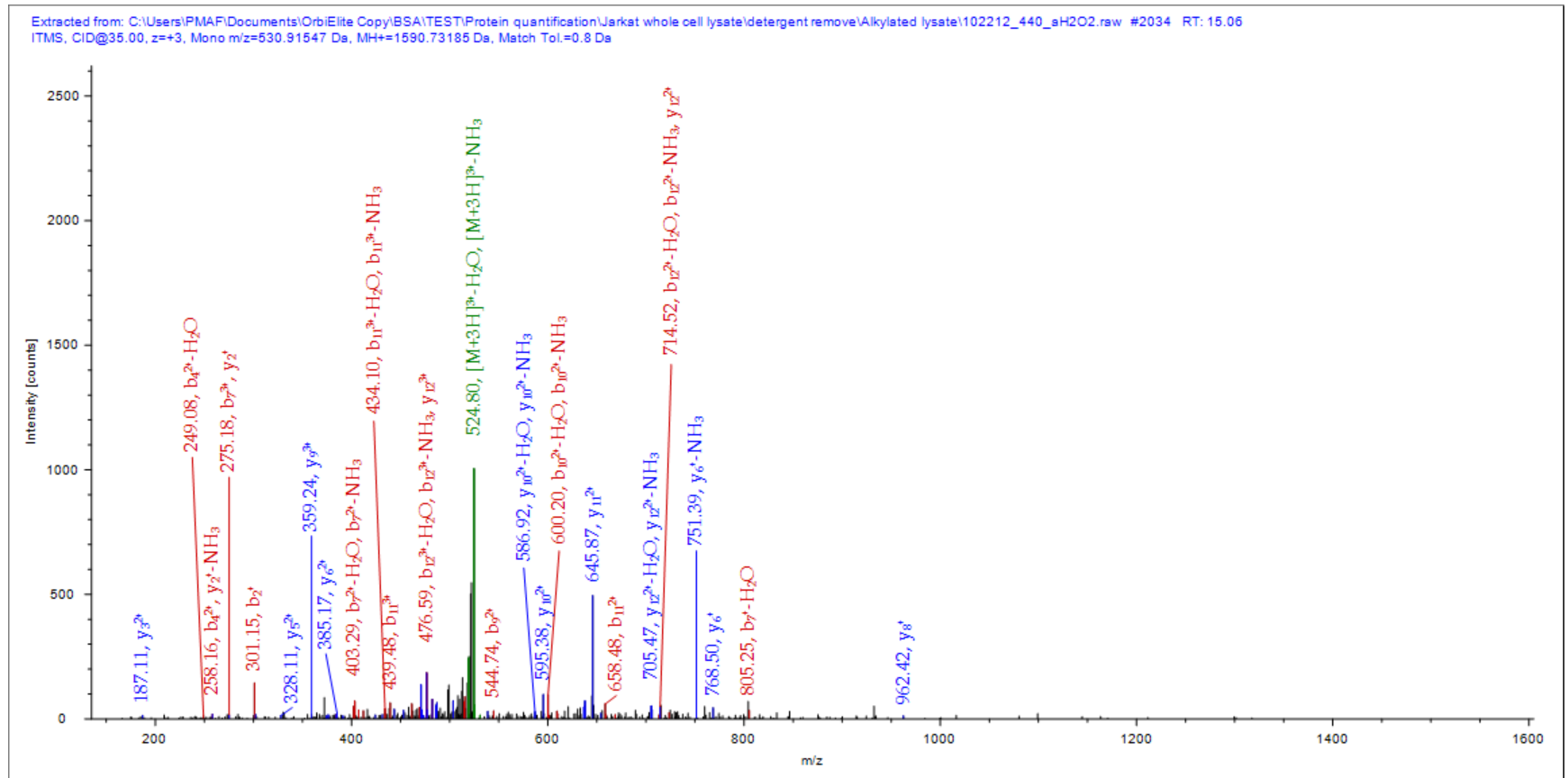
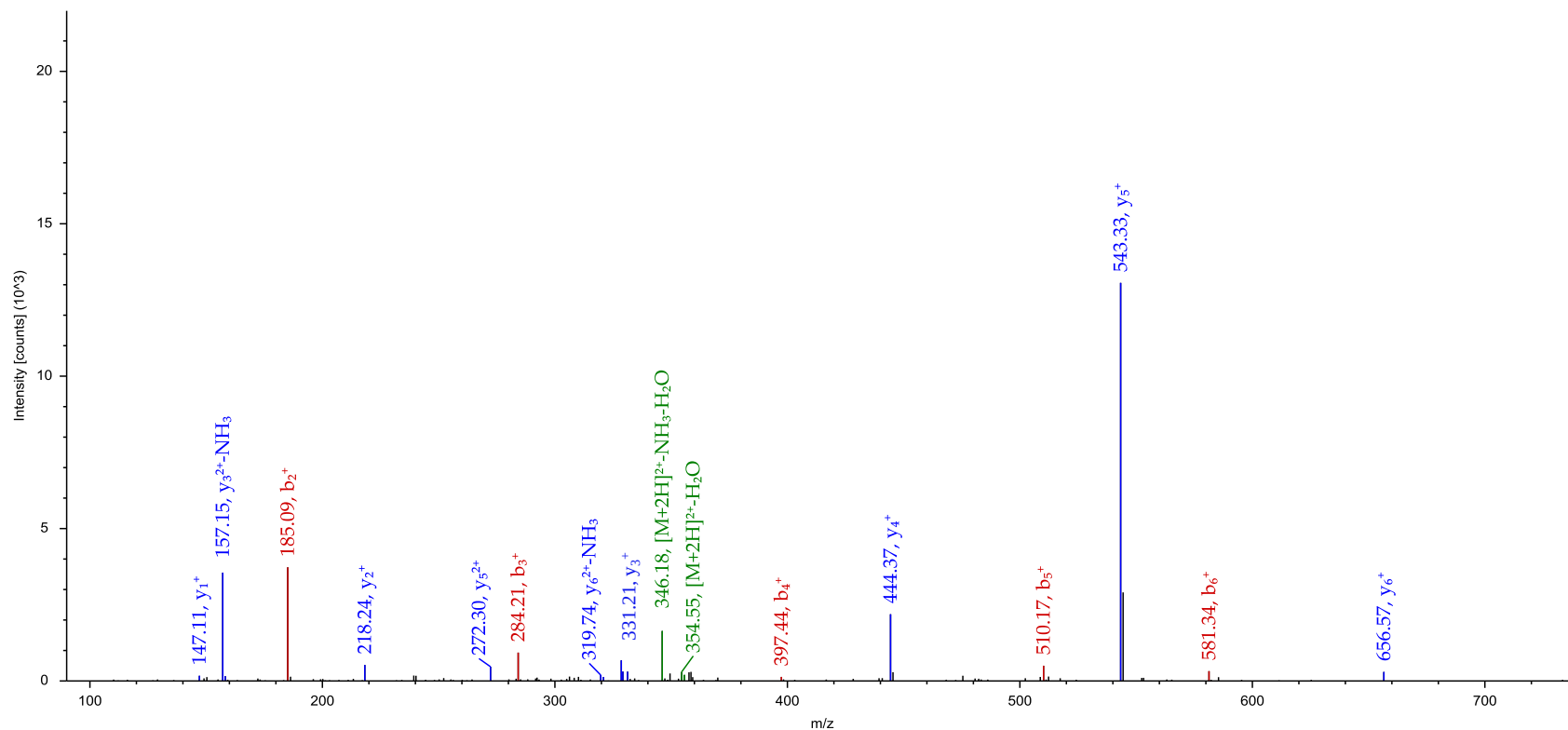


Figure S4. MS/MS from DJ-1, NM23-H1, and Hsc70 and MS2 ion intensity from Skyline. A, MS/MS from H₂O₂ treated lysate pSRM peptides. B, Skyline pSRM ion intensities for Hsc70 and DJ-1A, MS/MS from H₂O₂ treated lysate pSRM peptides. B, Skyline pSRM peak areas for Hsc70 and DJ-1

DJ-1 Internal Reference Peptide

ALVILAK

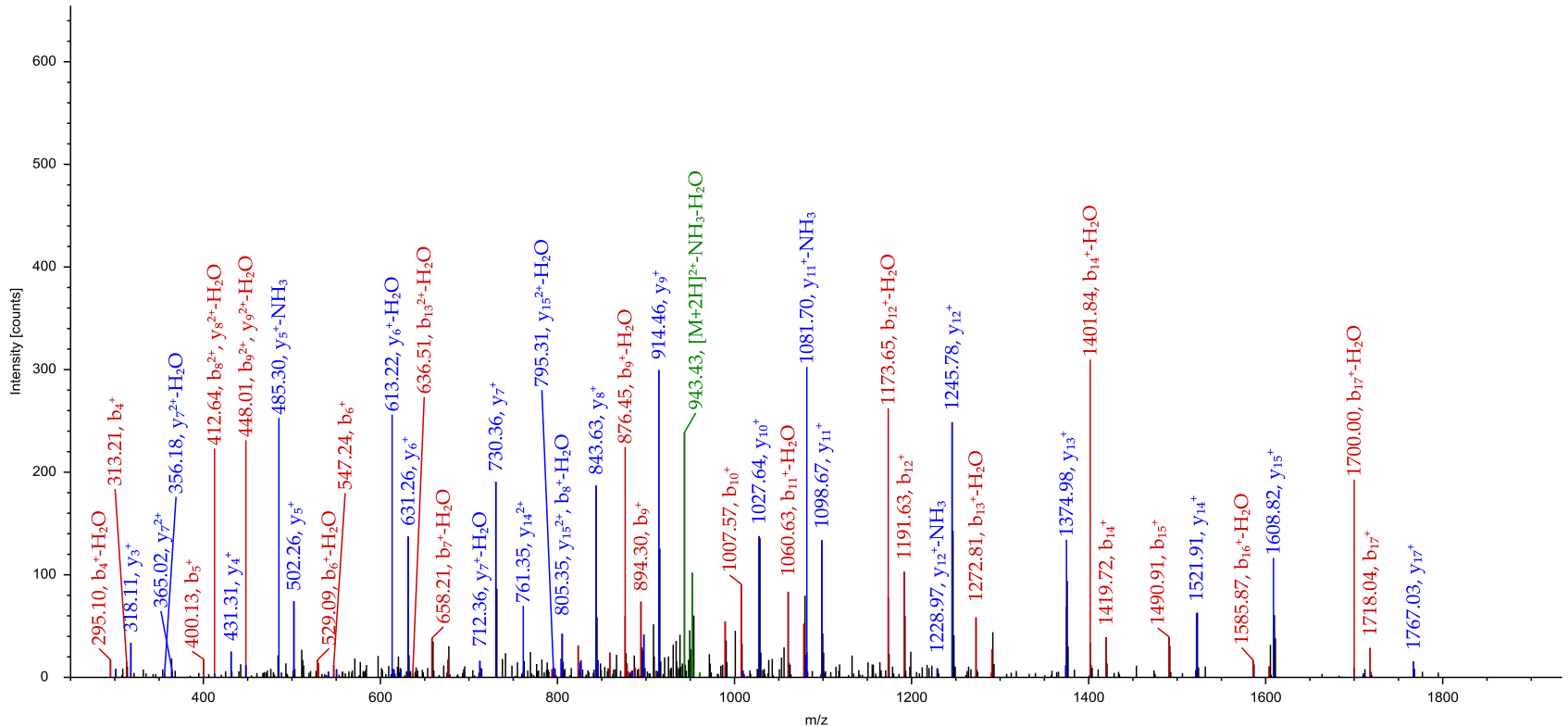
Extracted from: C:\Users\IPMAF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #13130 RT: 45.53
ITMS, CID@35.00, z=+2, Mono m/z=364.25745 Da, MH+=727.50762 Da, Match Tol.=0.8 Da



DJ-1 Internal Reference Peptide

GPGTSFEFALAIVEALNGK

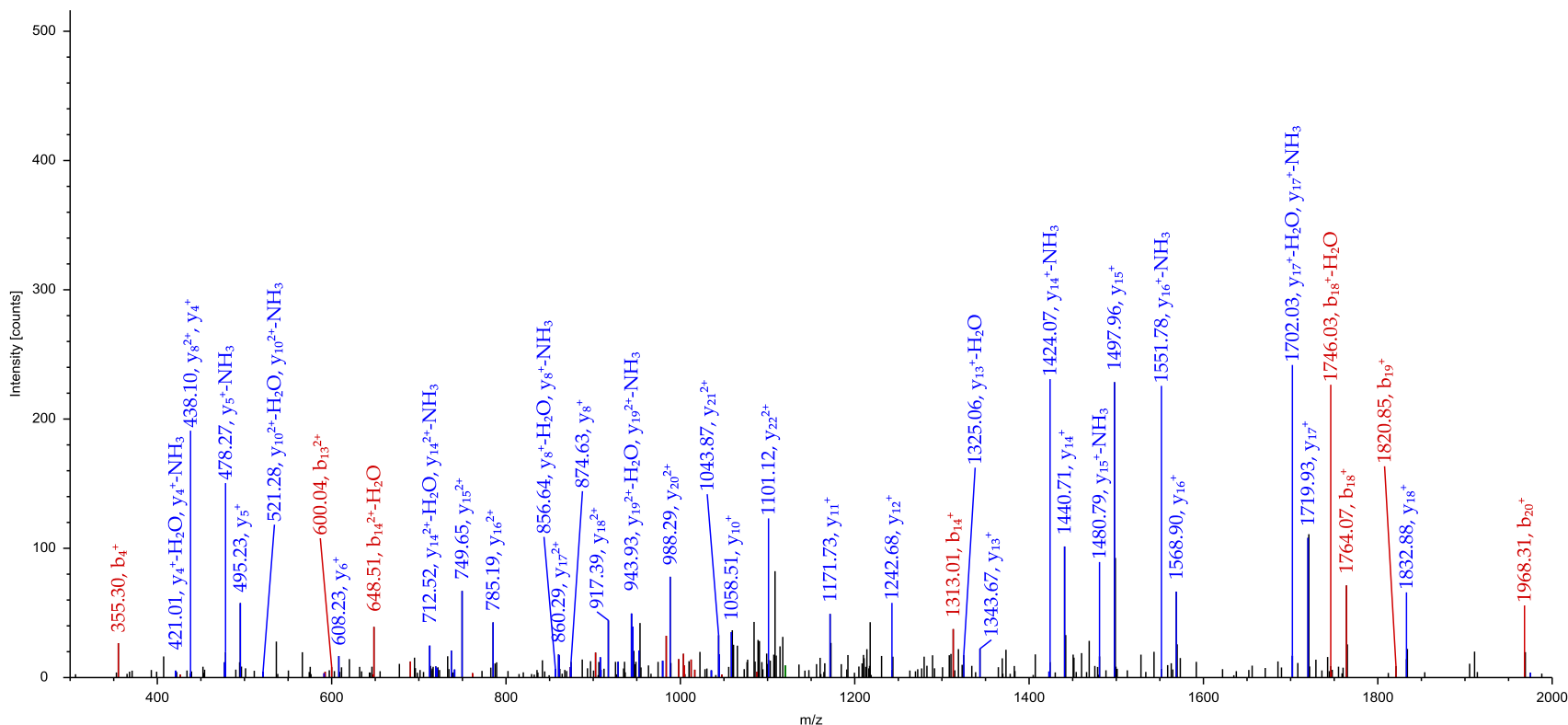
Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #25751 RT: 90.24
ITMS, CID@35.00, z=+2, Mono m/z=961.00787 Da, MH+=1921.00847 Da, Match Tol.=0.8 Da



DJ-1 Cys106 sulfonic acid

GLIAAICAGPTALLAHEIGFGSK

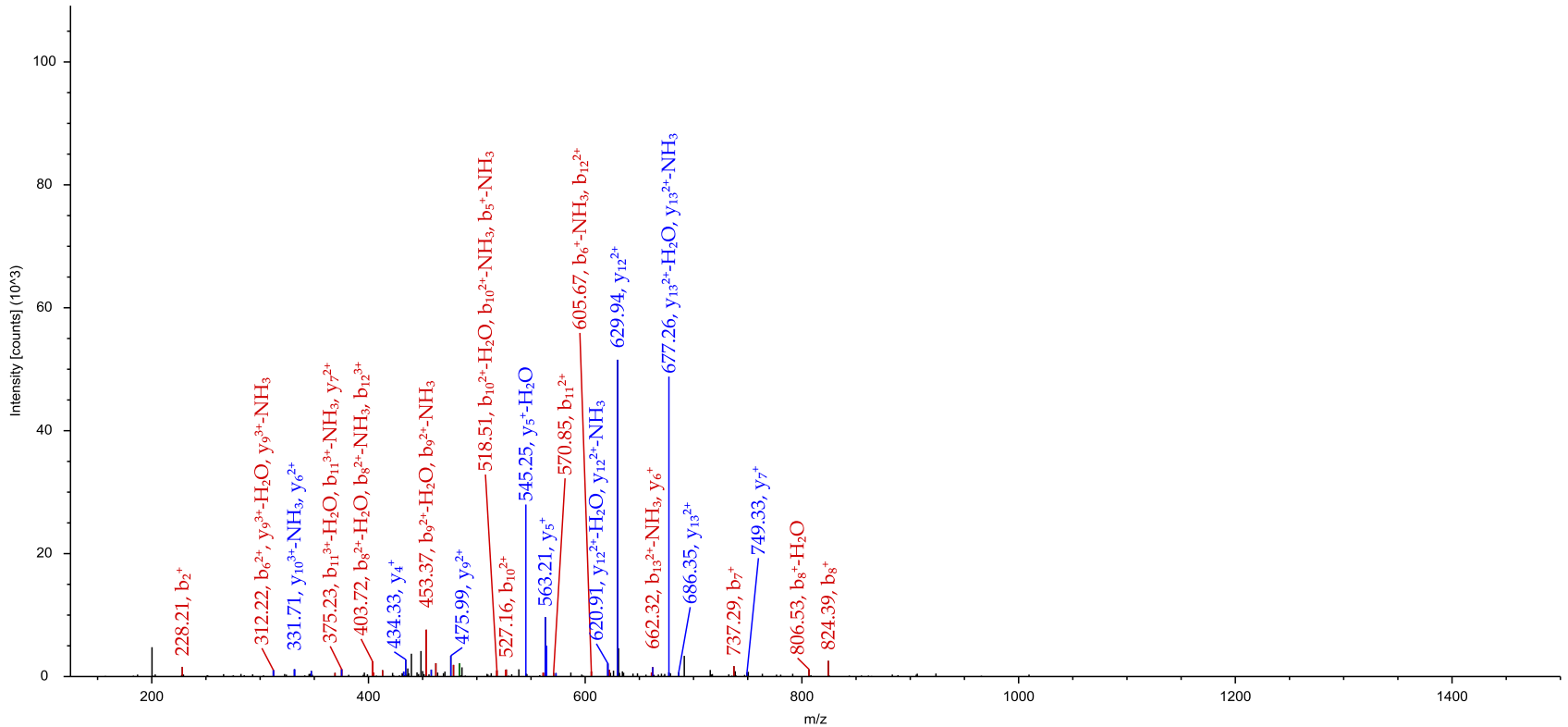
Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #23218 RT: 76.98
ITMS, CID@35.00, z=+2, Mono m/z=1129.59961 Da, MH+=2258.19194 Da, Match Tol.=0.8 Da



Nm23-H1 Internal Reference Peptide

NIIHGSDSVESAEK

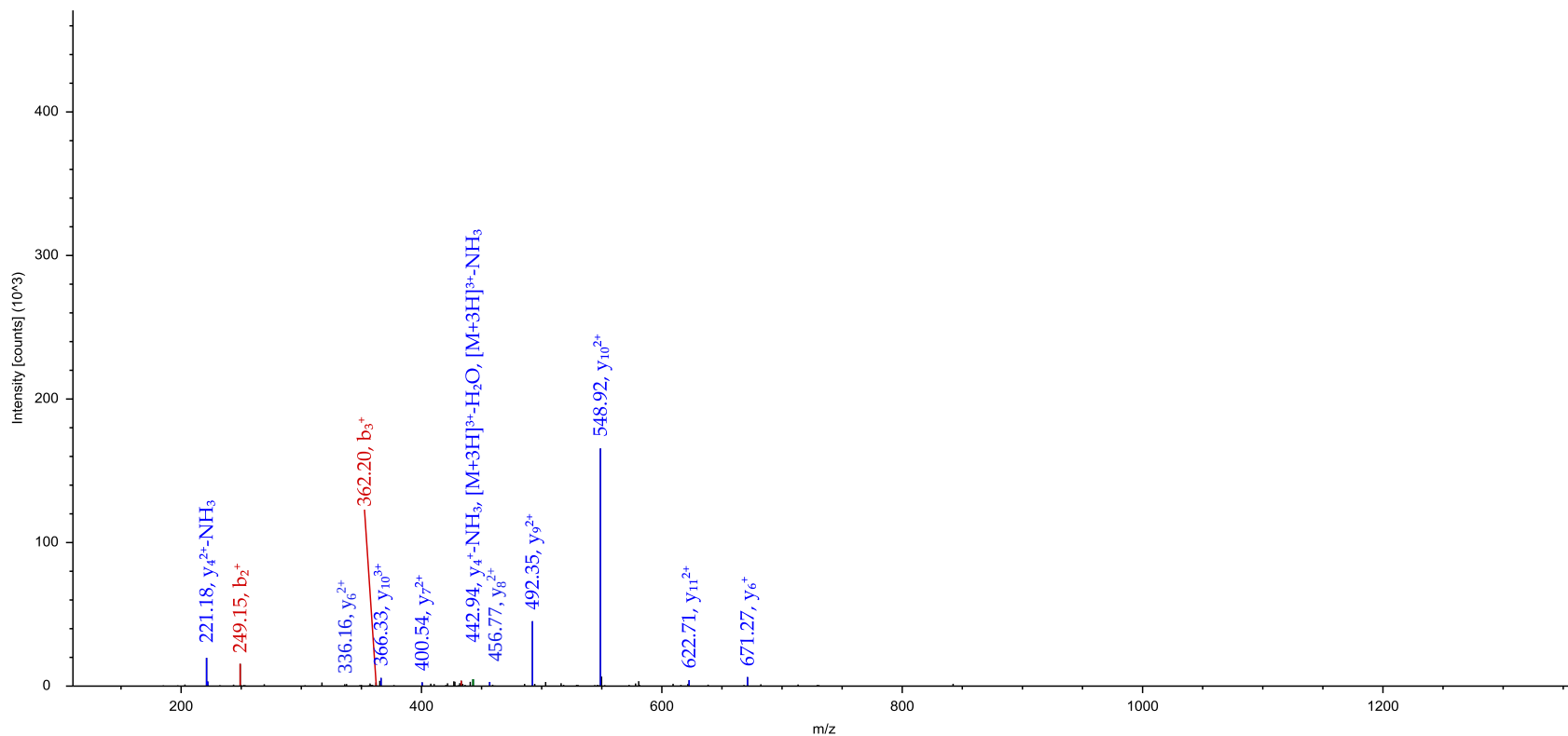
Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Targeted analysis\100812_440uM_aH2O2a.raw #6845 RT: 32.23
ITMS, CID@35.00, z=+3, Mono m/z=495.91013 Da, MH+=1485.71582 Da, Match Tol.=0.8 Da



Nm23-H1 Internal Reference Peptide

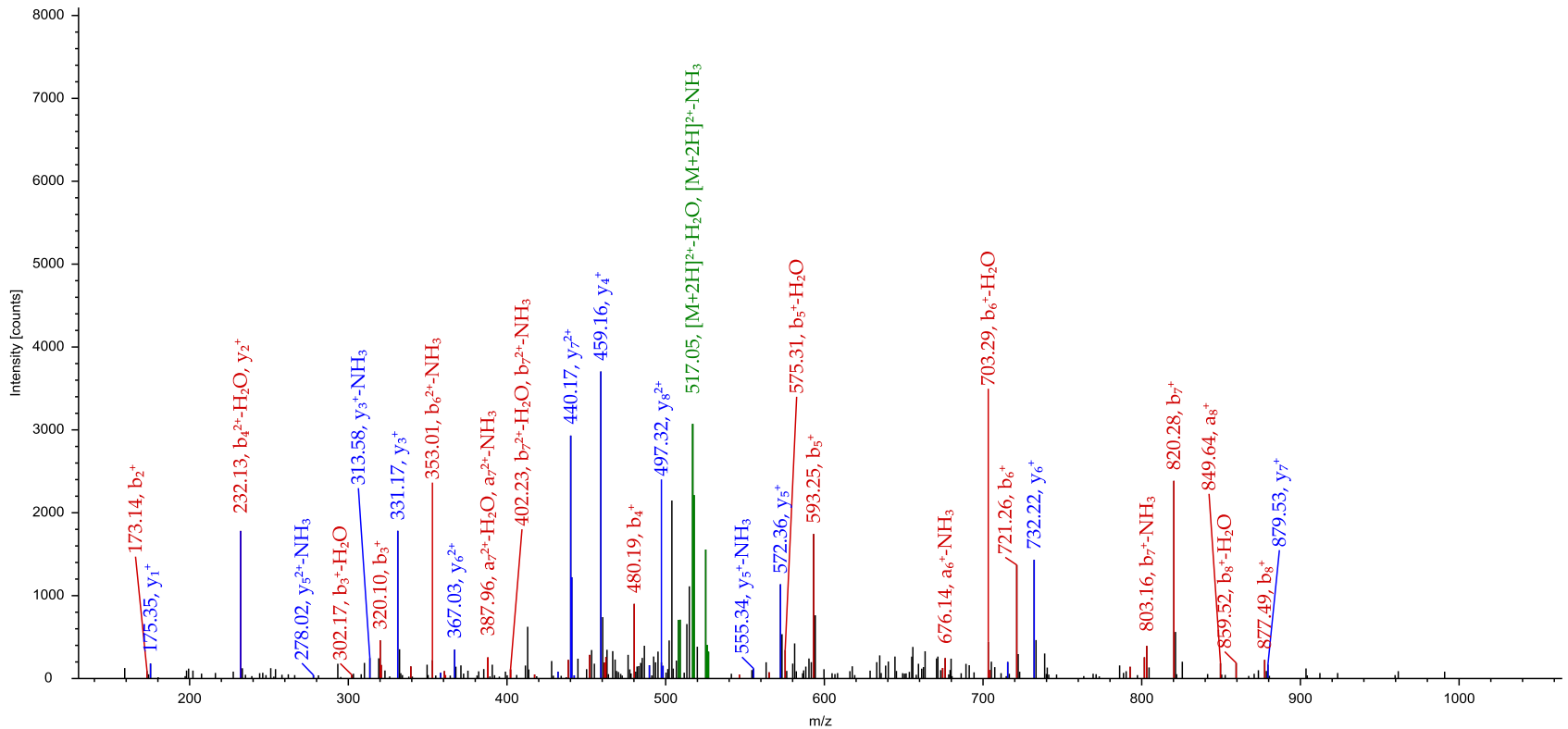
TFIAIKPDGVQR

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\092812_440uM_aH2O2.raw #12152 RT: 40.20
ITMS, CID@35.00, z=+3, Mono m/z=448.92609 Da, MH+=1344.76371 Da, Match Tol.=0.8 Da



Nm23-H1 Cys109 carbamidomethyl GDFCIQVGR

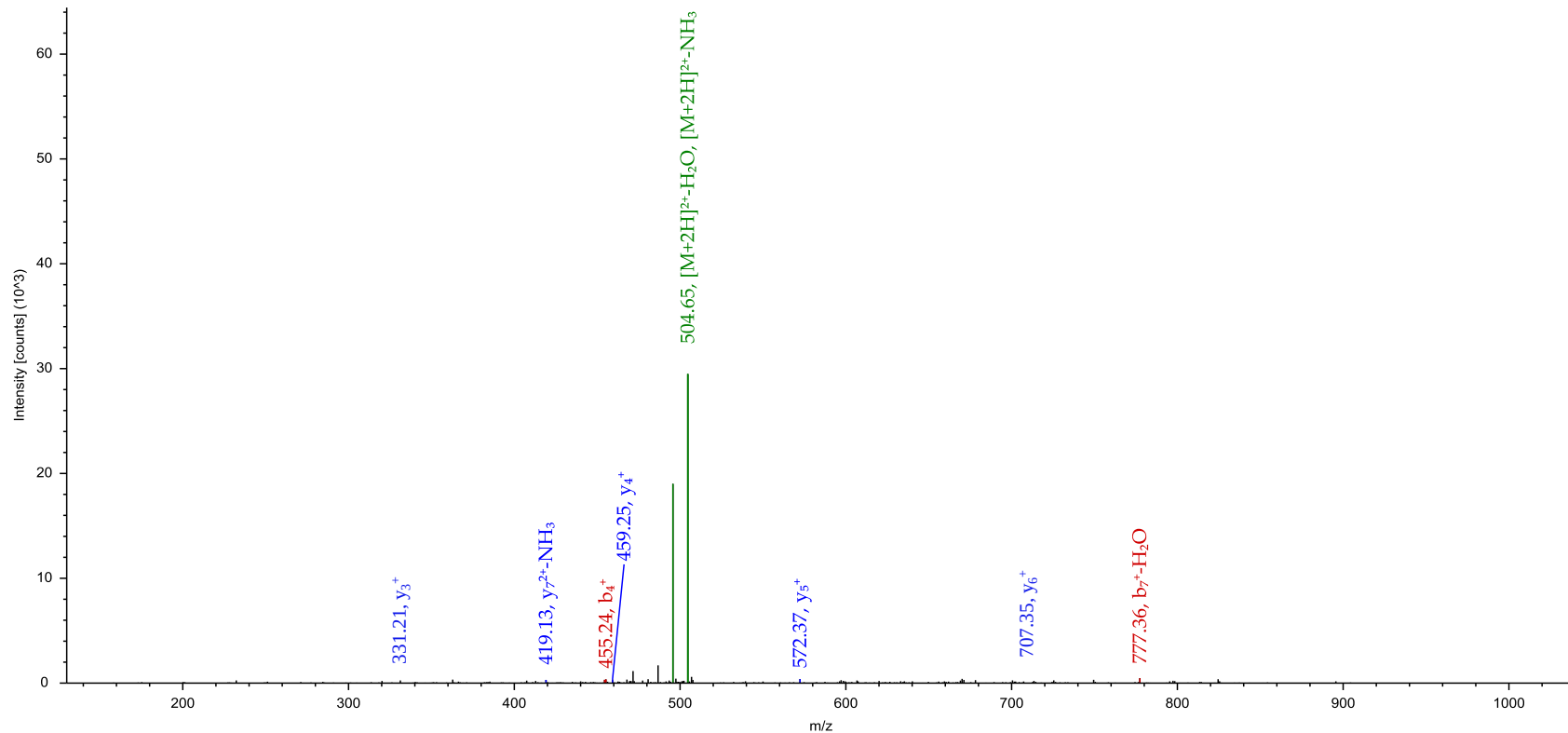
Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #12511 RT: 43.86
ITMS, CID@35.00, z=+2, Mono m/z=526.25275 Da, MH+=1051.49822 Da, Match Tol.=0.8 Da



Nm23-H1 Cys109 sulfinic acid

GDFCIQVGR

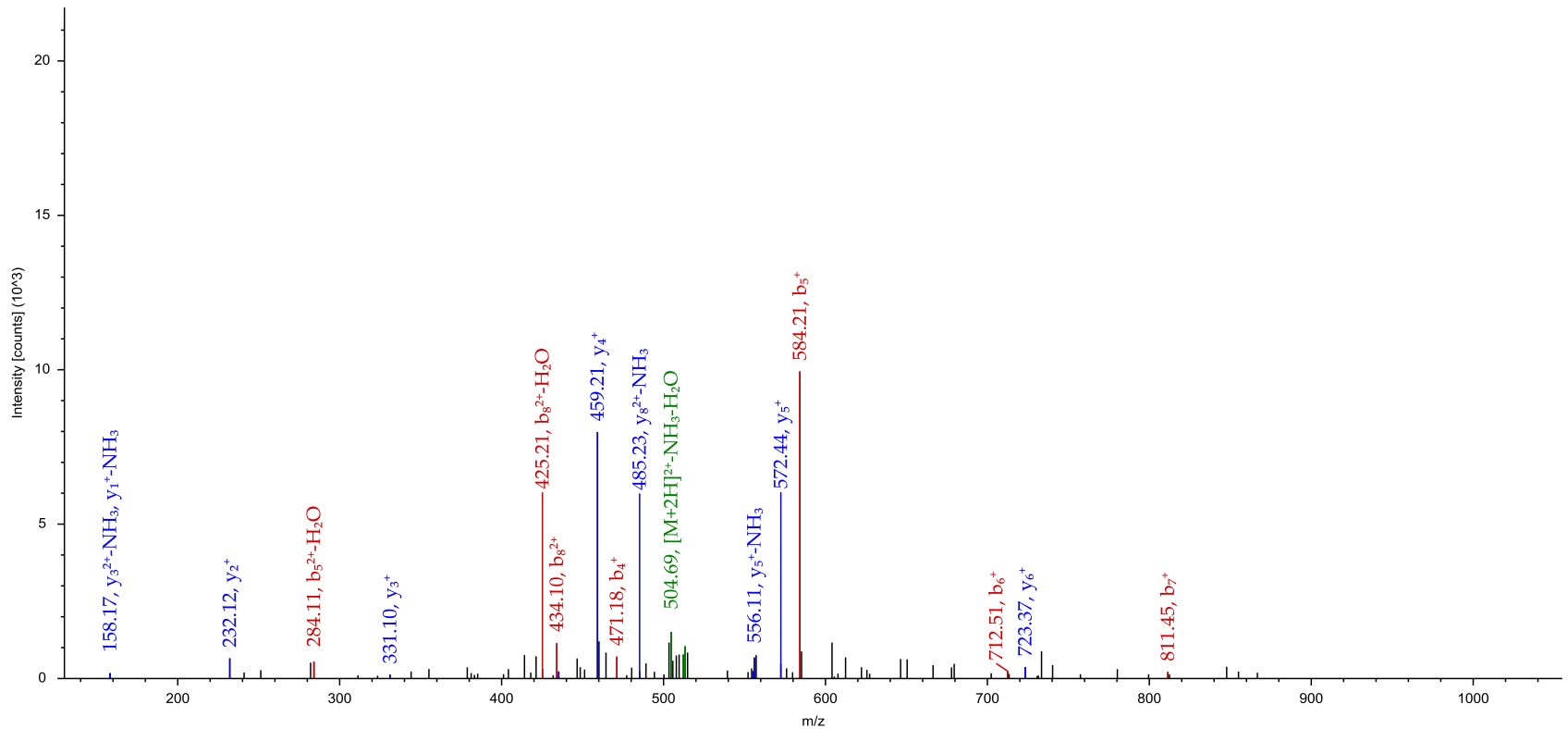
Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #13468 RT: 46.46
ITMS, CID@35.00, z=+2, Mono m/z=513.73712 Da, MH+=1026.46697 Da, Match Tol.=0.8 Da



Nm23-H1 Cys109 sulfonic acid

GDFCIQVGR

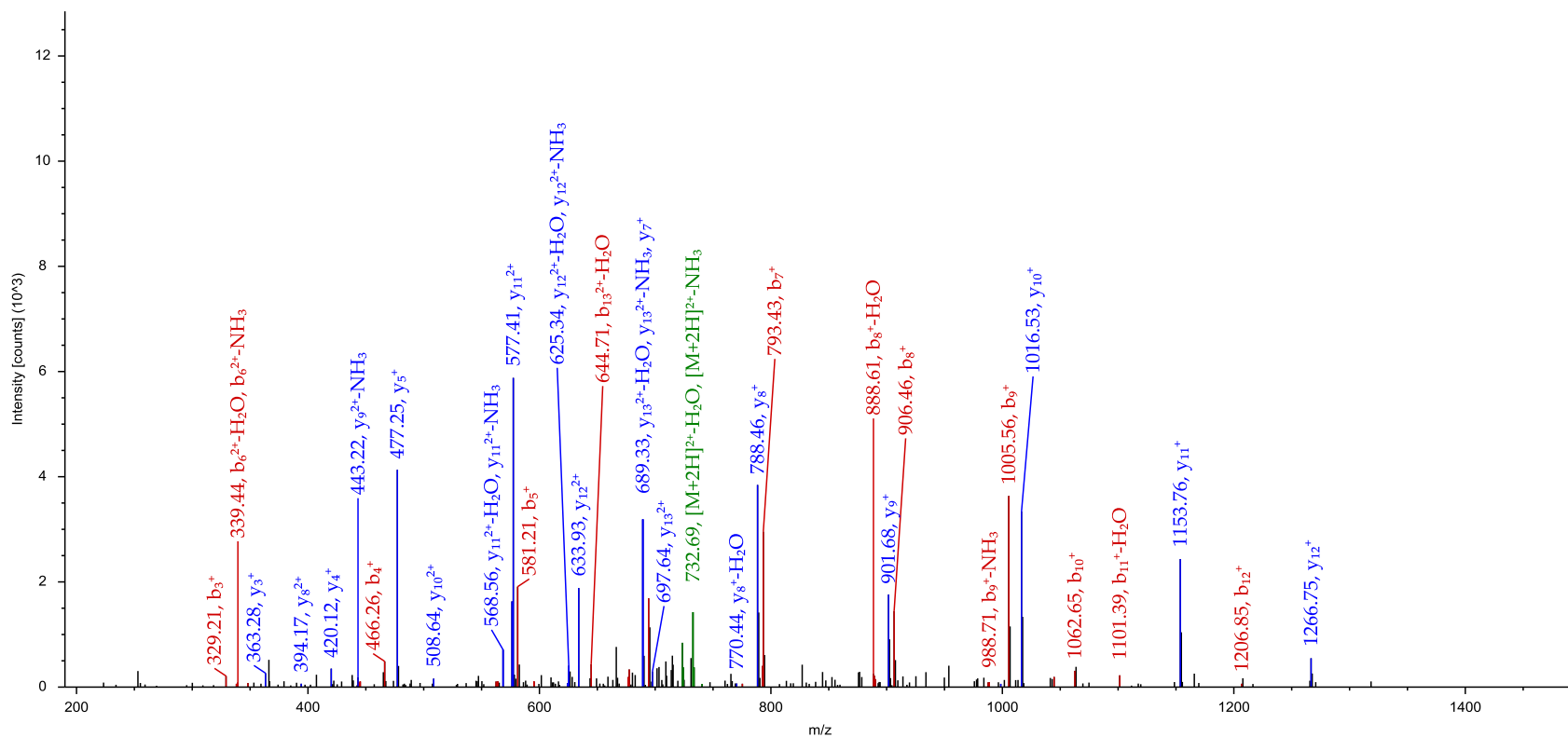
Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Targeted analysis\100812_440uM_aH2O2a.raw #13467 RT: 61.37
ITMS, CID@35.00, z=+2, Mono m/z=521.73395 Da, MH+=1042.46062 Da, Match Tol.=0.8 Da



Hsc70 Internal Reference Peptide

SQIHDIVLVGGSTR

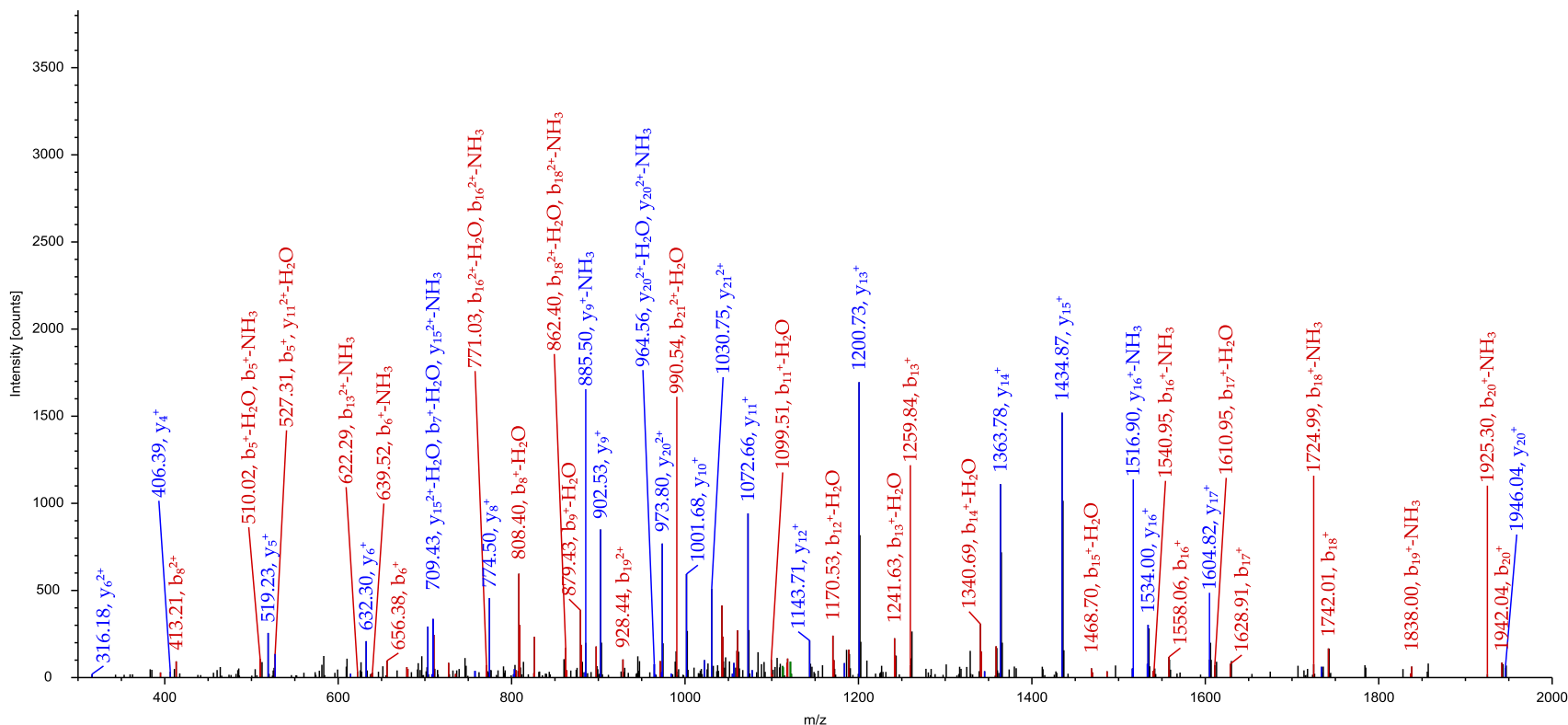
Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #11753 RT: 41.85
ITMS, CID@35.00, z=+2, Mono m/z=741.40710 Da, MH+=1481.80693 Da, Match Tol.=0.8 Da



Hsc70 Internal Reference Peptide

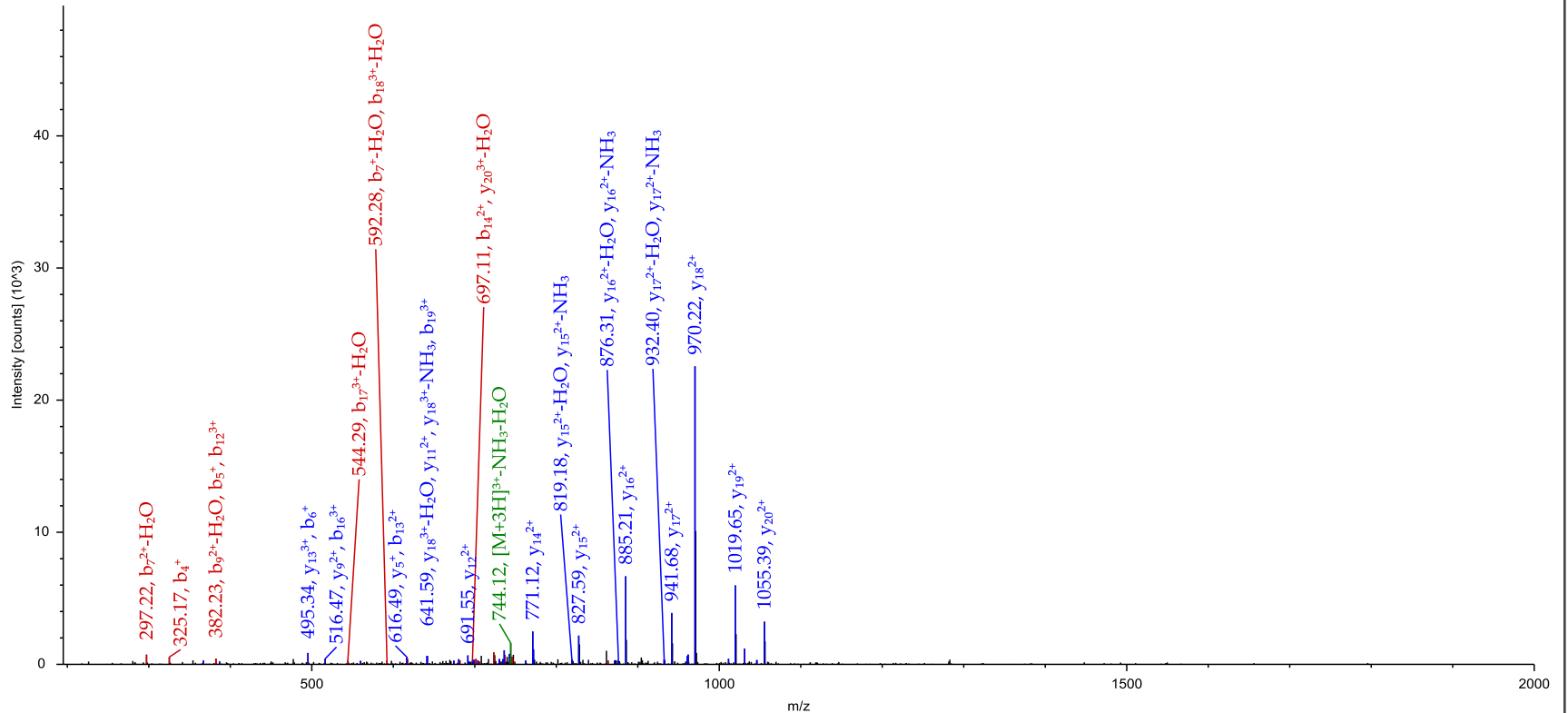
SINPDEAVAYGAAVQAAILSGDK

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #21782 RT: 71.25
ITMS, CID@35.00, z=+2, Mono m/z=1130.57678 Da, MH+=2260.14629 Da, Match Tol.=0.8 Da



Hsc70 Cys17 carbamidomethyl GPAVGIDLGTTYSCVGVFQHGK

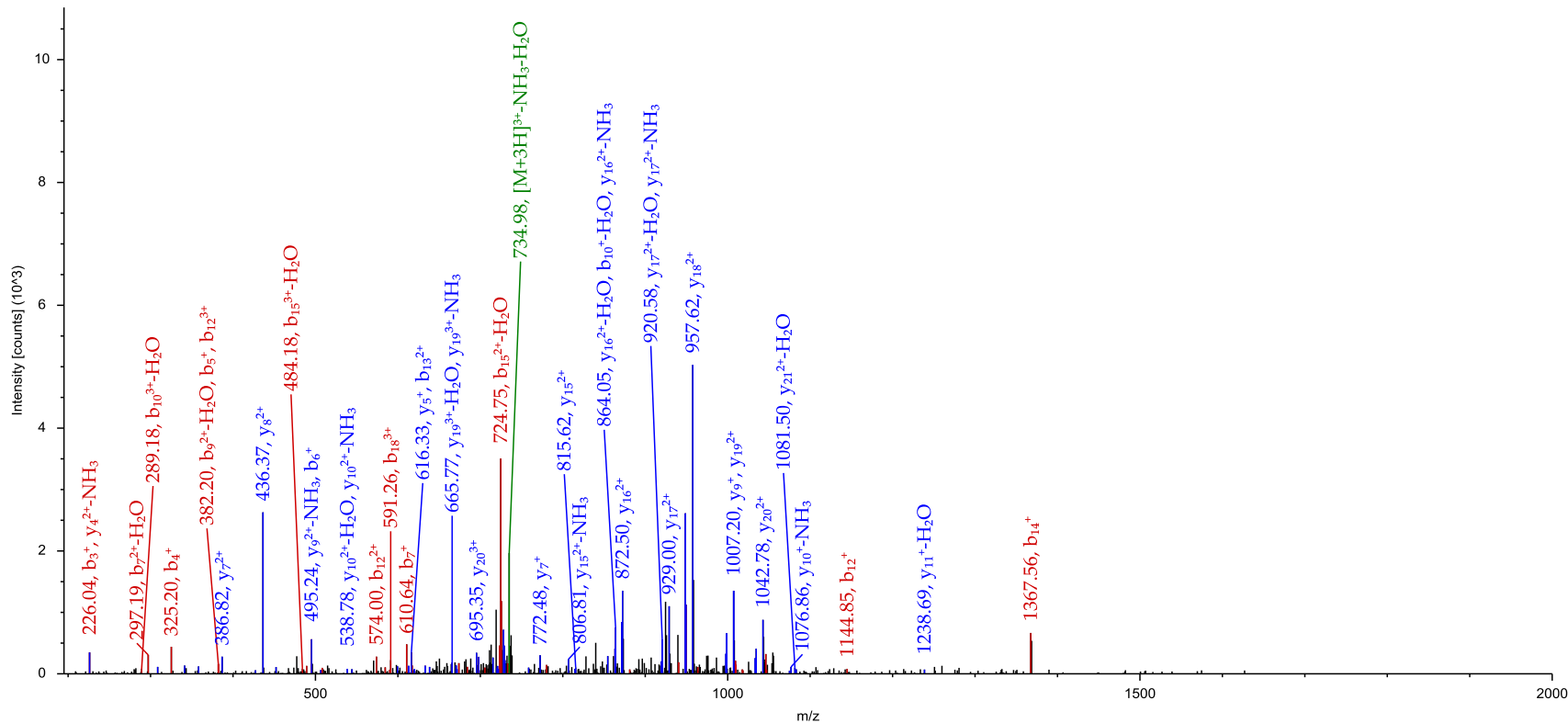
Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #16812 RT: 55.79
ITMS, CID@35.00, Mono m/z=755.04413 Da, MH+=2263.11783 Da, Match Tol.=0.8 Da



Hsc70 Cys17 sulfinic acid

GPAVGIDLGTTYSCVGVFQHGK

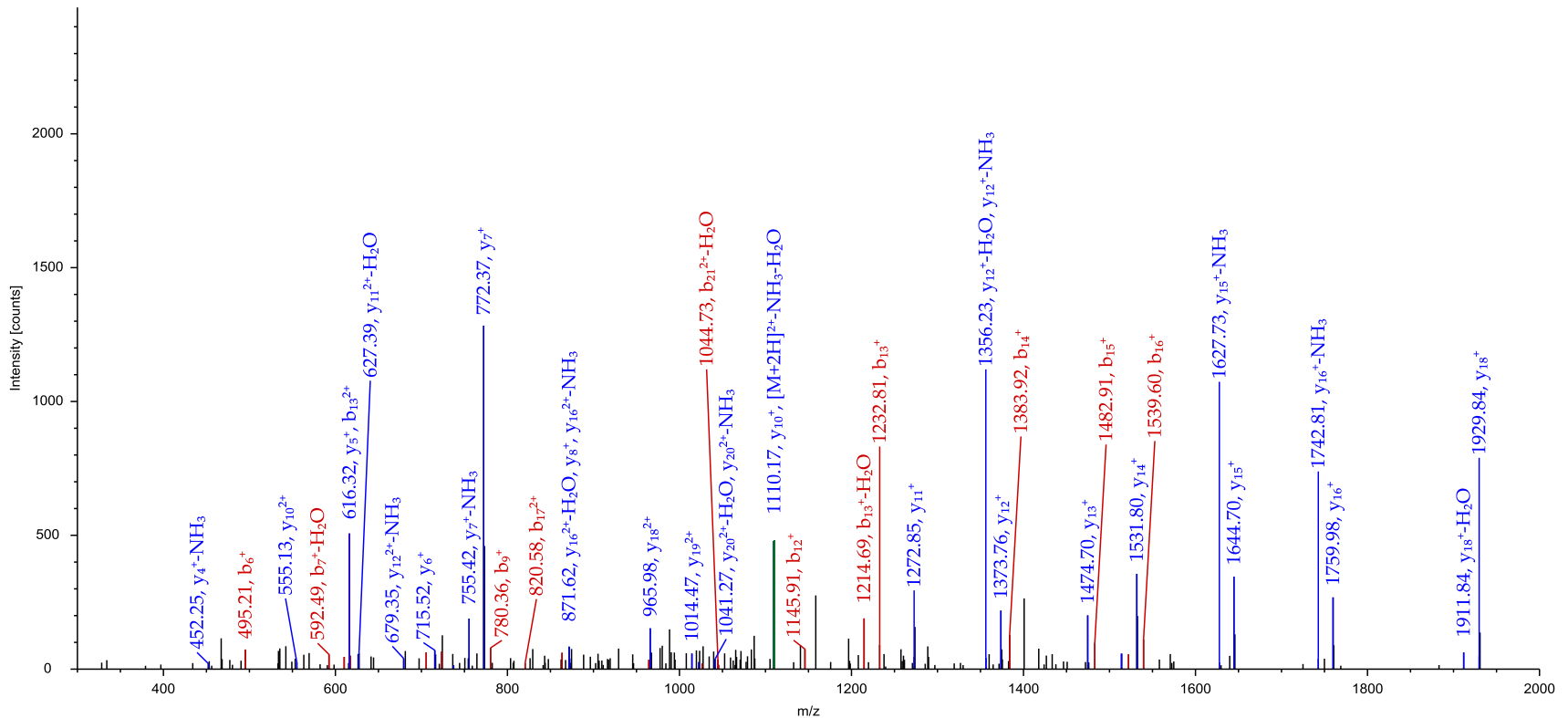
Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\102212_440_aH2O2.raw #17407 RT: 57.48
ITMS, CID@35.00, z=+3, Mono m/z=746.70044 Da, MH+=2238.08677 Da, Match Tol.=0.8 Da



Hsc70 Cys17 sulfonic acid

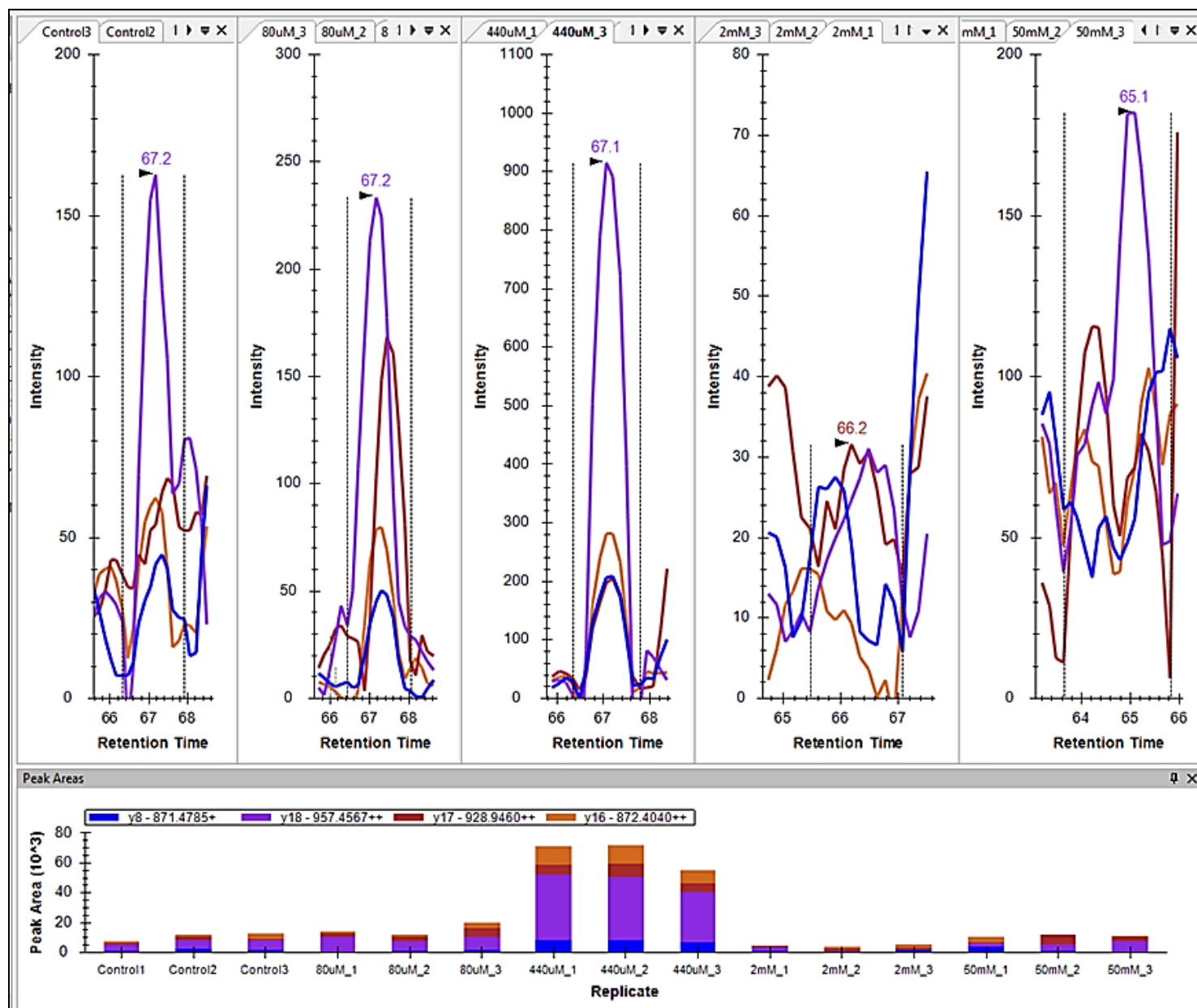
GPAVGIDLGTTYSCVGVFQHGK

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\BSA\TEST\Protein quantification\Jarkat whole cell lysate\detergent remove\Alkylated lysate\092812_440uM_aH2O2.raw #18865 RT: 56.74
ITMS, CID@35.00, z=+2, Mono m/z=1127.54456 Da, MH+=2254.08183 Da, Match Tol.=0.8 Da

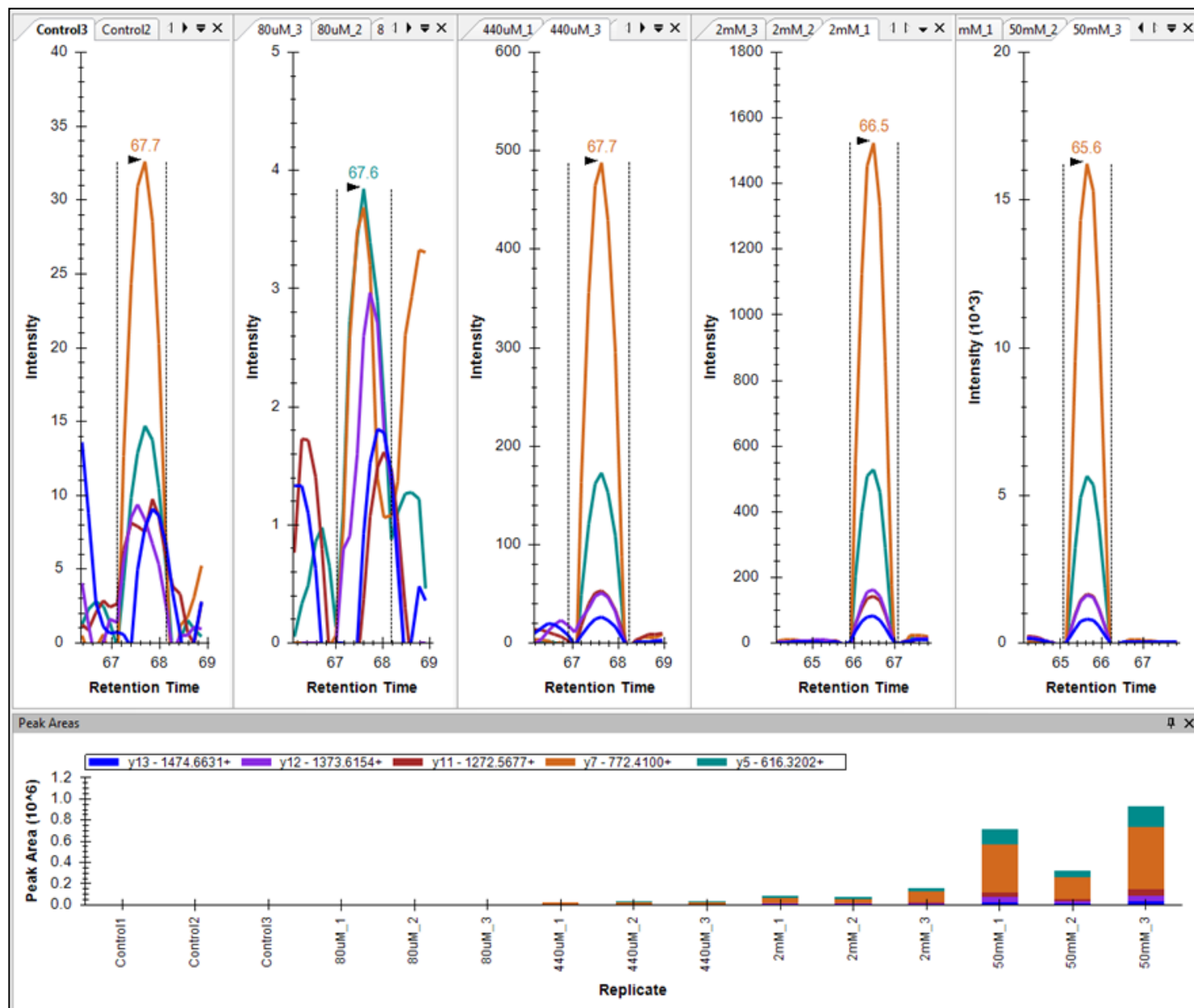


B. Skyline pSRM peak areas for Hsc70 and DJ-1

Hsc70 Cys17 (Sulfinic acid)



Hsc70 Cys17 (Sulfonic acid)



DJ-1 Cys106 (Sulfonic acid)

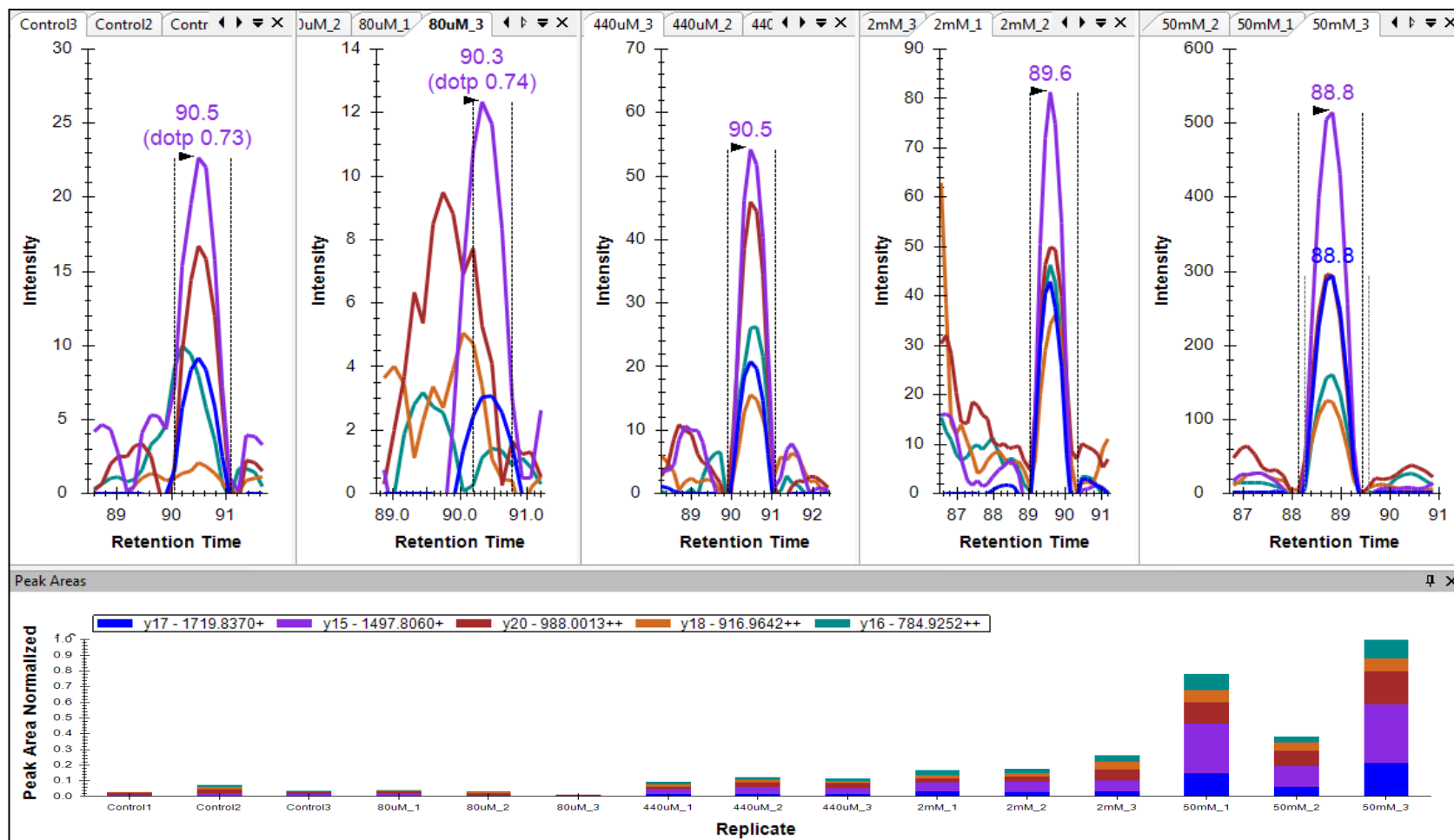
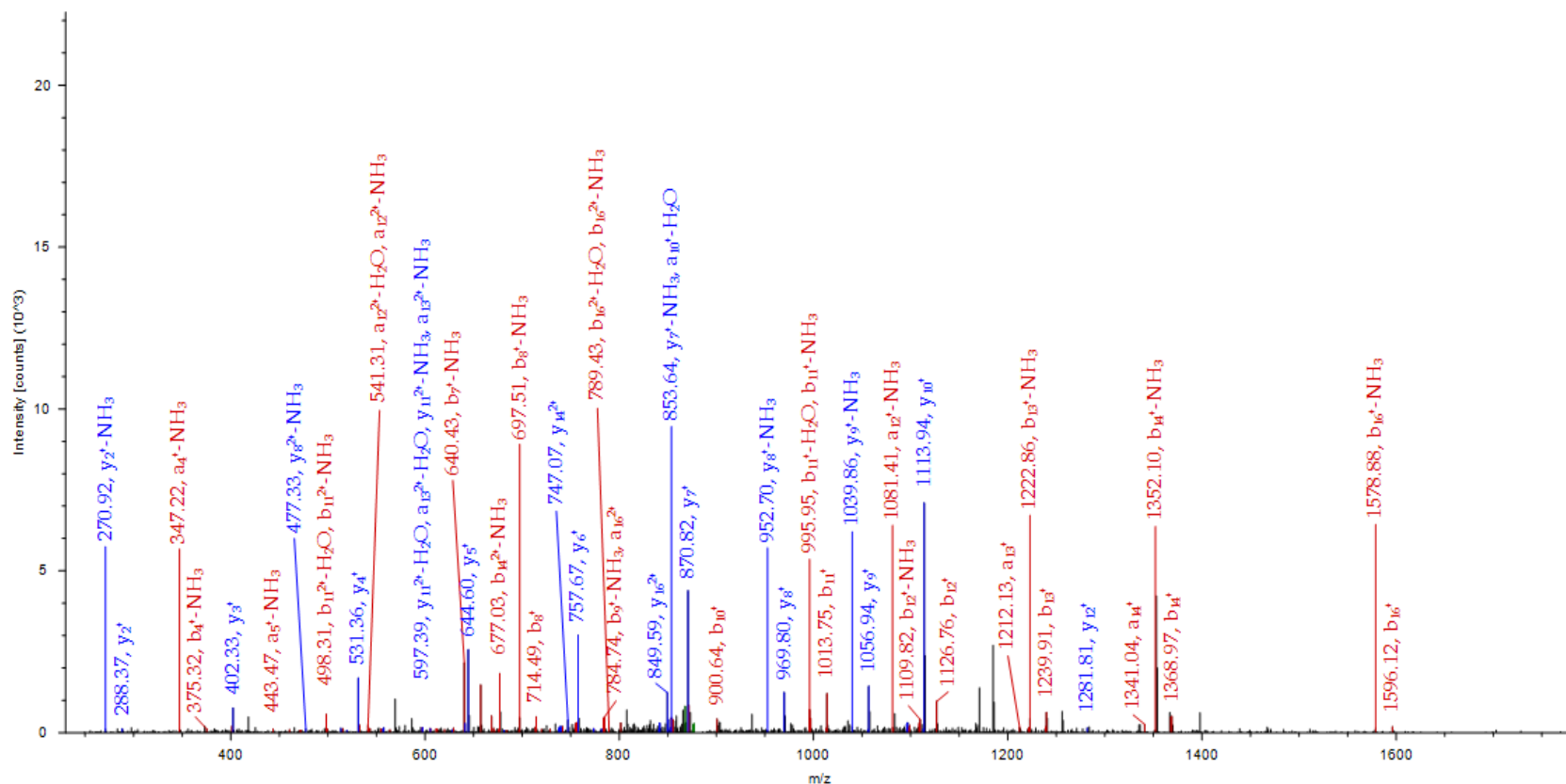


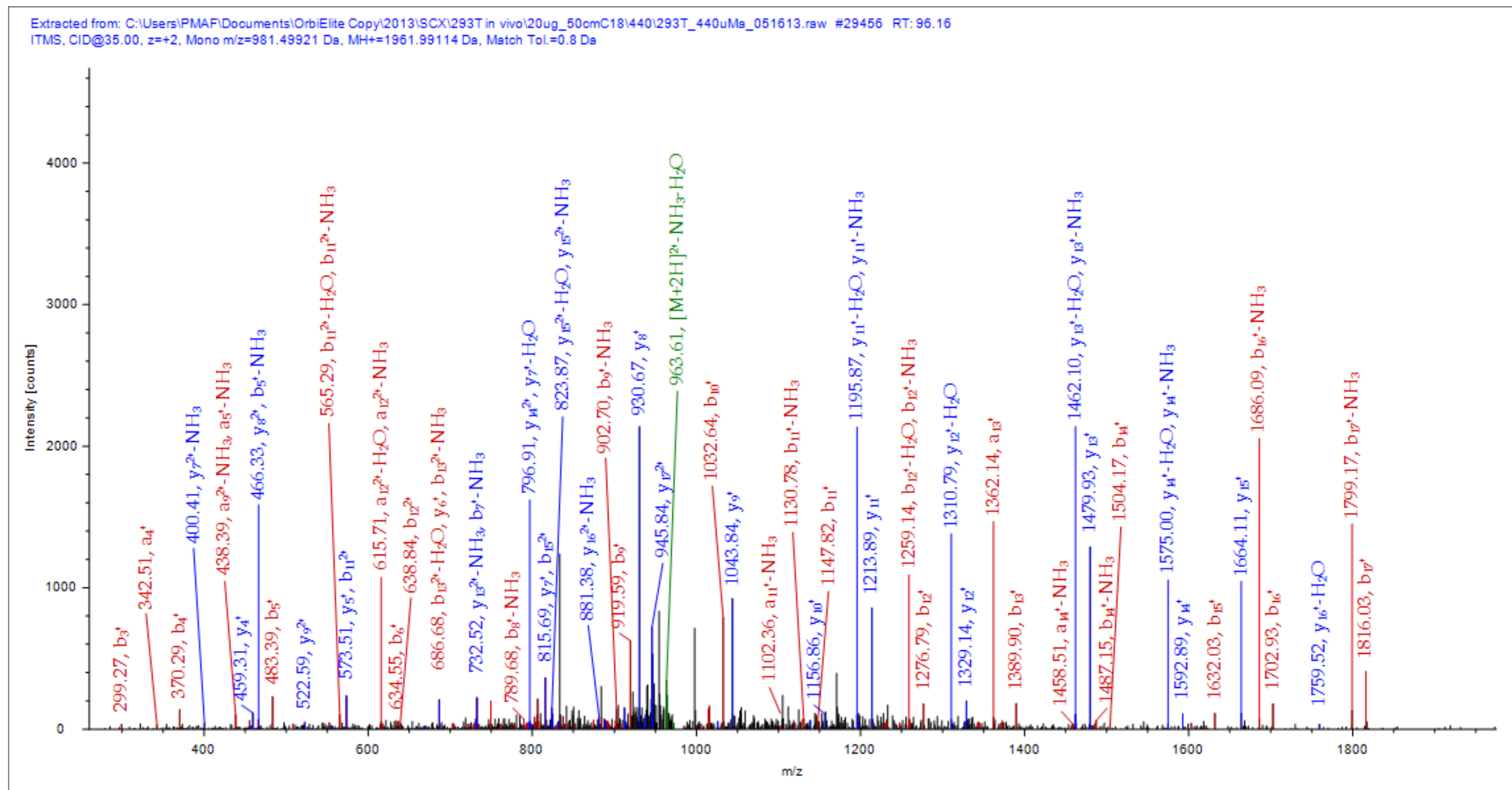
Figure S5. MS/MS of sulfinic and sulfonic acid peptides identified from H₂O₂ treated cell

ACANPAPGSVILLENLR_C2_SO2

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMs_051613.raw #24775 RT: 81.64
ITMS, CID@35.00, z=+2, Mono m/z=885.46552 Da, MH+=1769.92375 Da, Match Tol=0.8 Da

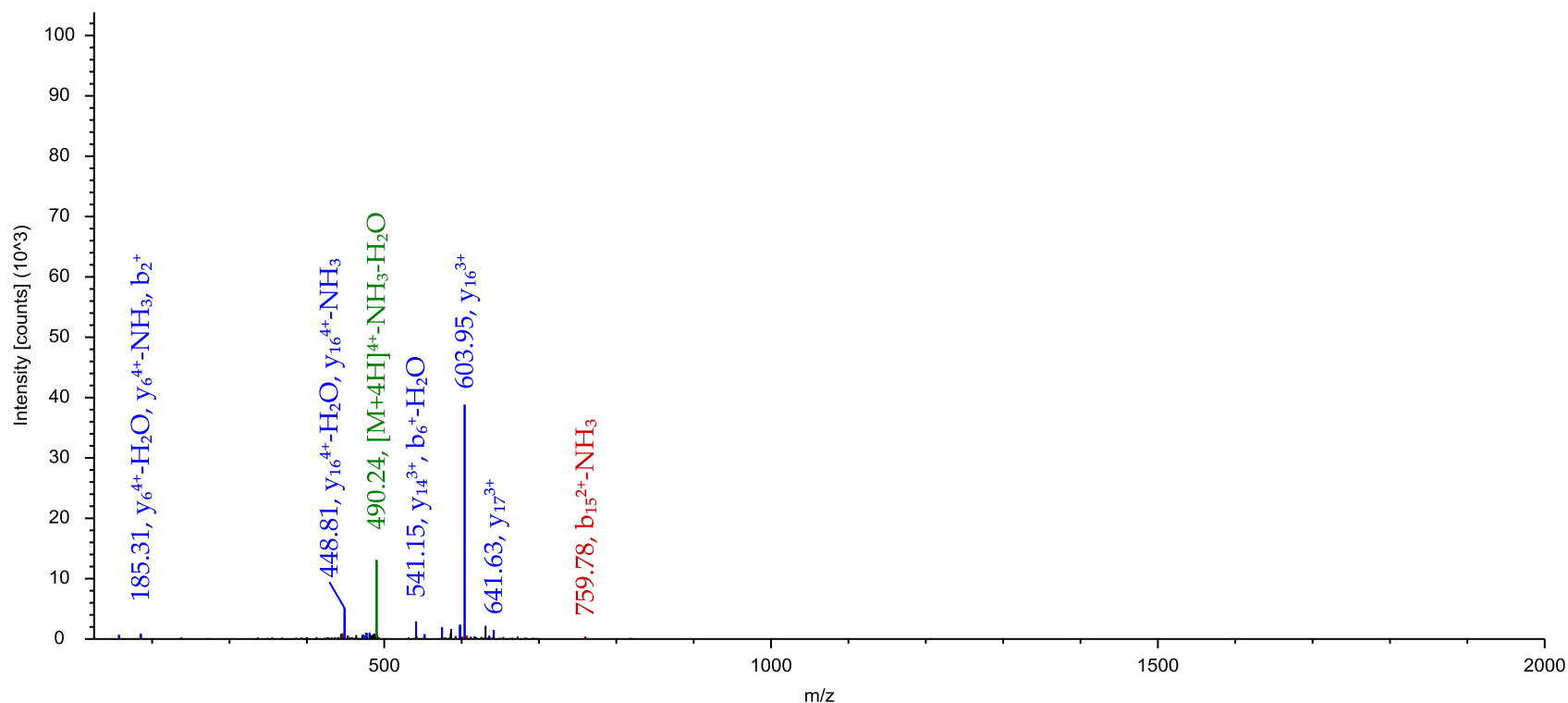


ALNALCDGLIDELNQLK_C6_SO3H



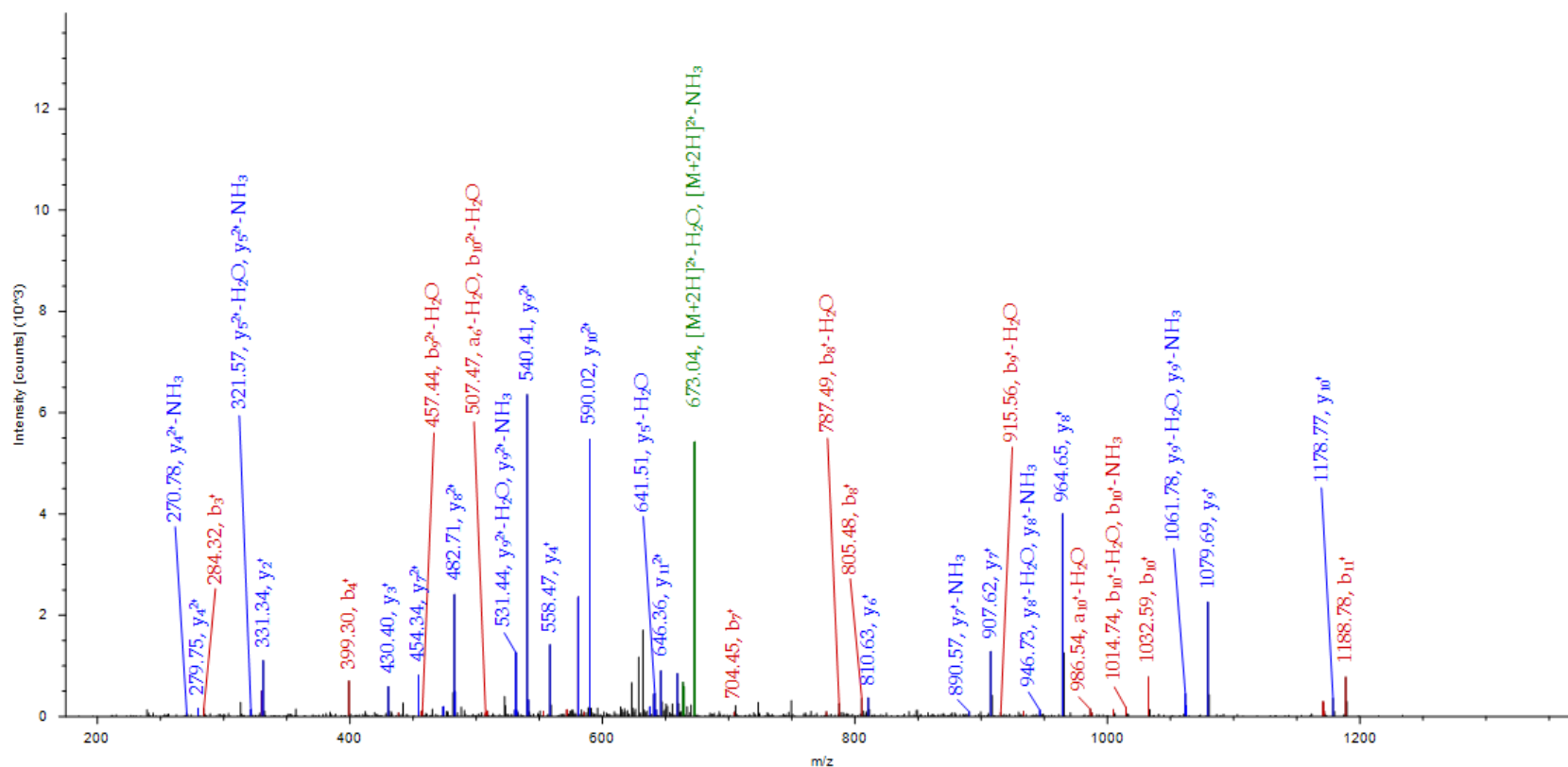
ALSTGEKGFGYKGSCFHR C15 SO3H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #7497 RT: 35.01
ITMS, CID@35.00, z=+4, Mono m/z=498.98718 Da, MH+=1992.92690 Da, Match Tol.=0.8 Da

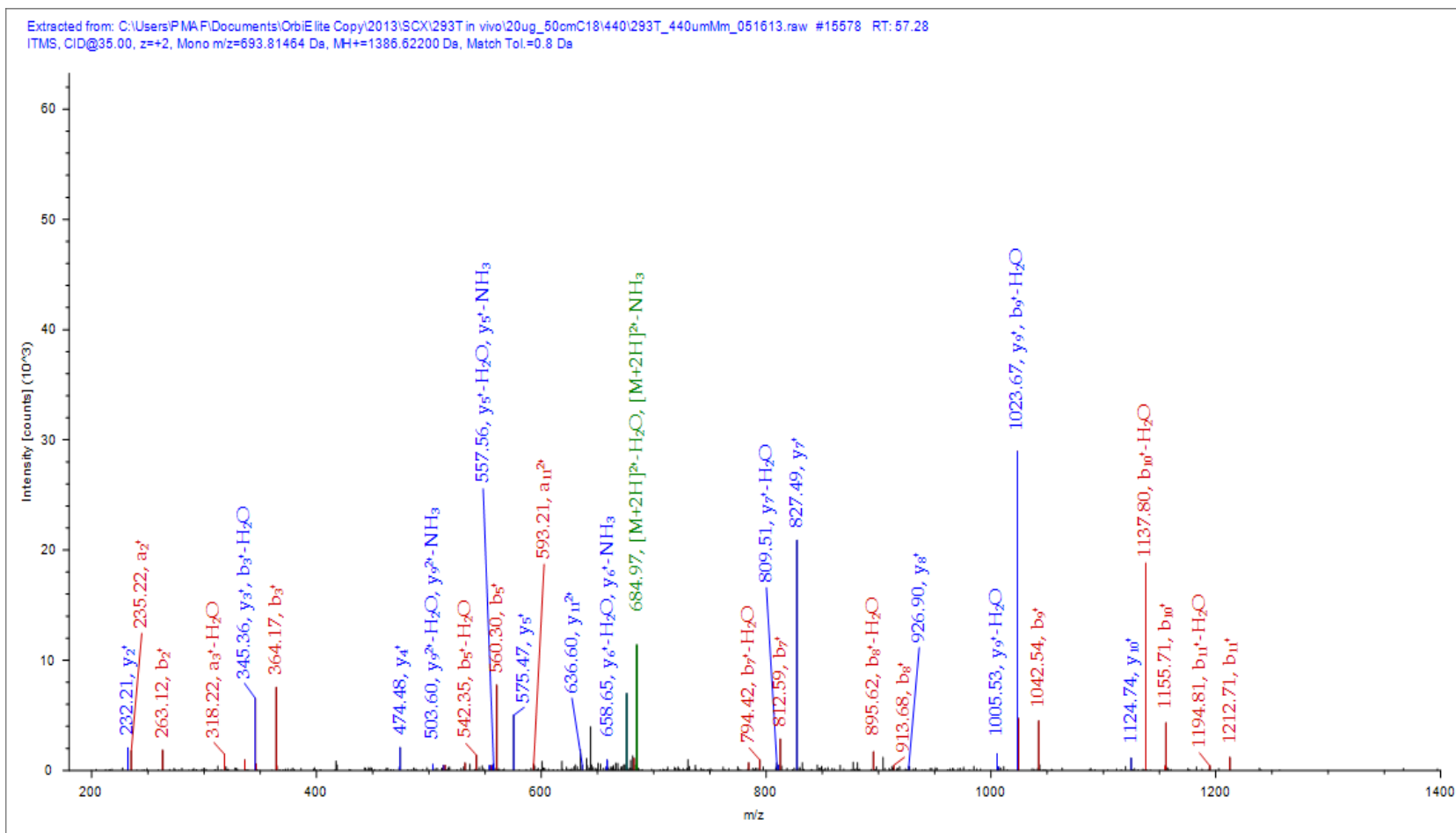


ALVDGPCTQVRR_C7_SO3H

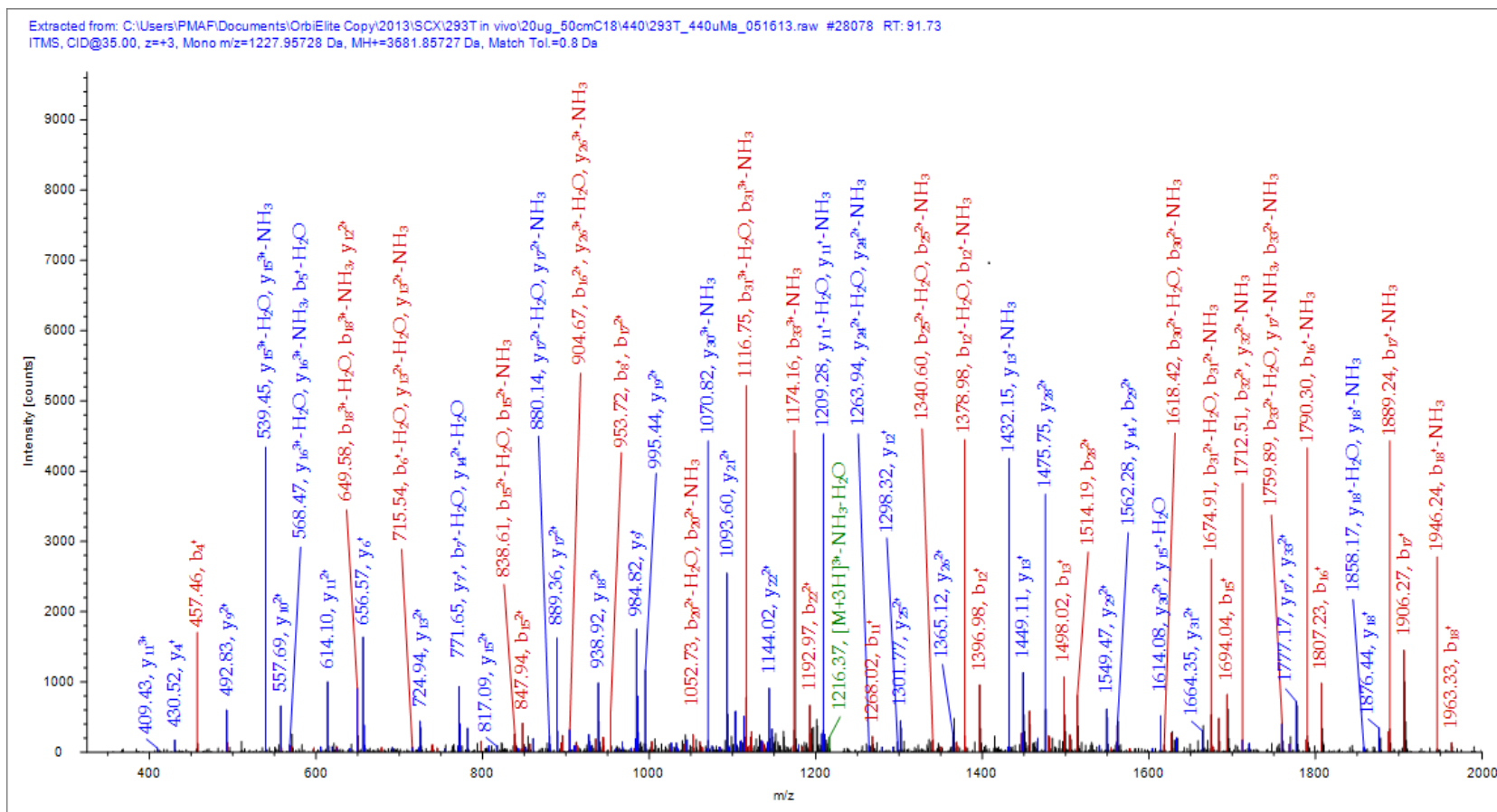
Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #5961 RT: 30.53
ITMS, CID@35.00, z=+2, Mono m/z=681.84412 Da, MH+=1362.68096 Da, Match Tol.=0.8 Da



DFTPVCTTELGR_C6_SO3H

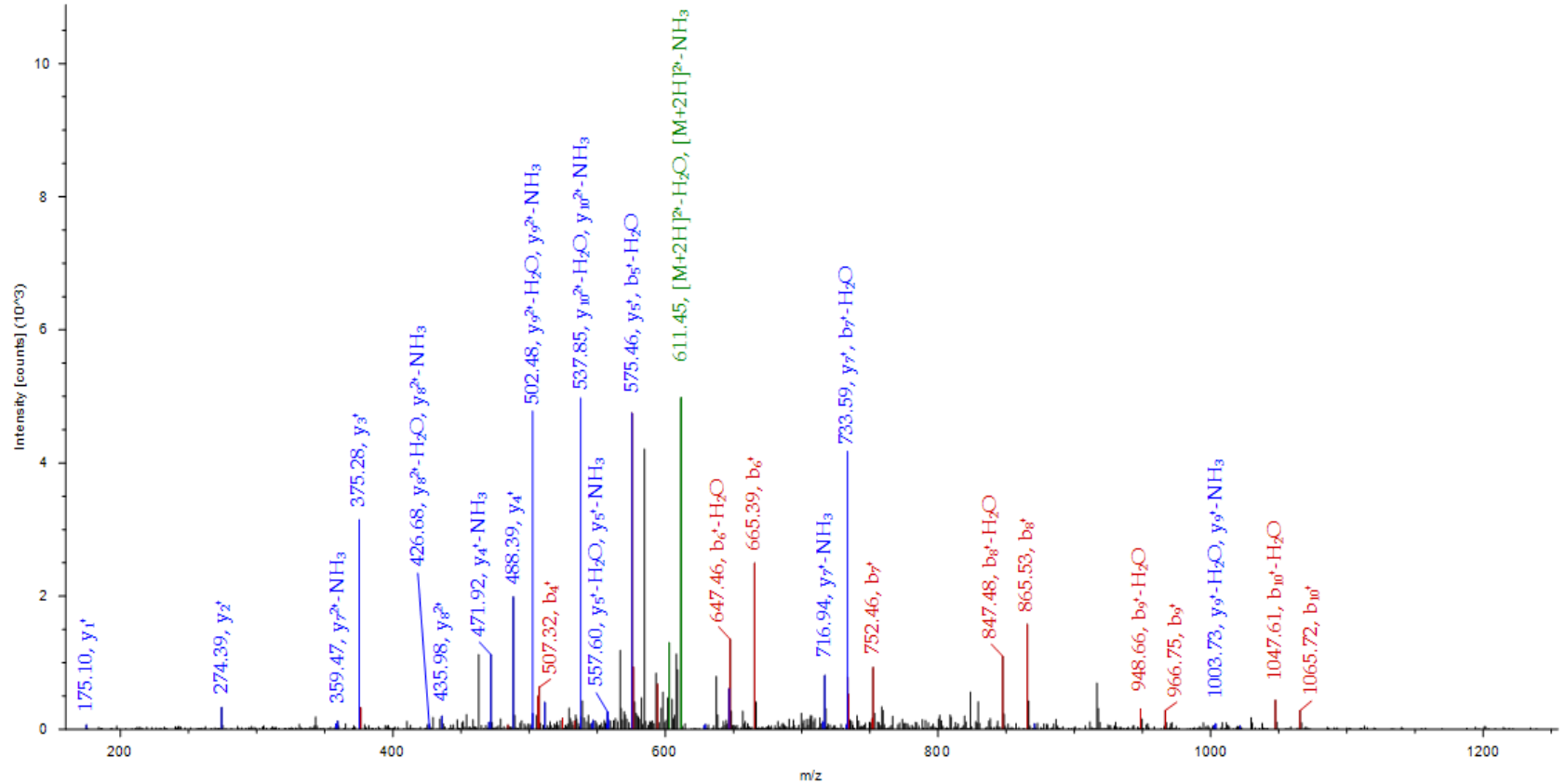


ELLTEFGYKGEETPVIVGSALCALEGRDPEL GLK_C22_SO3H



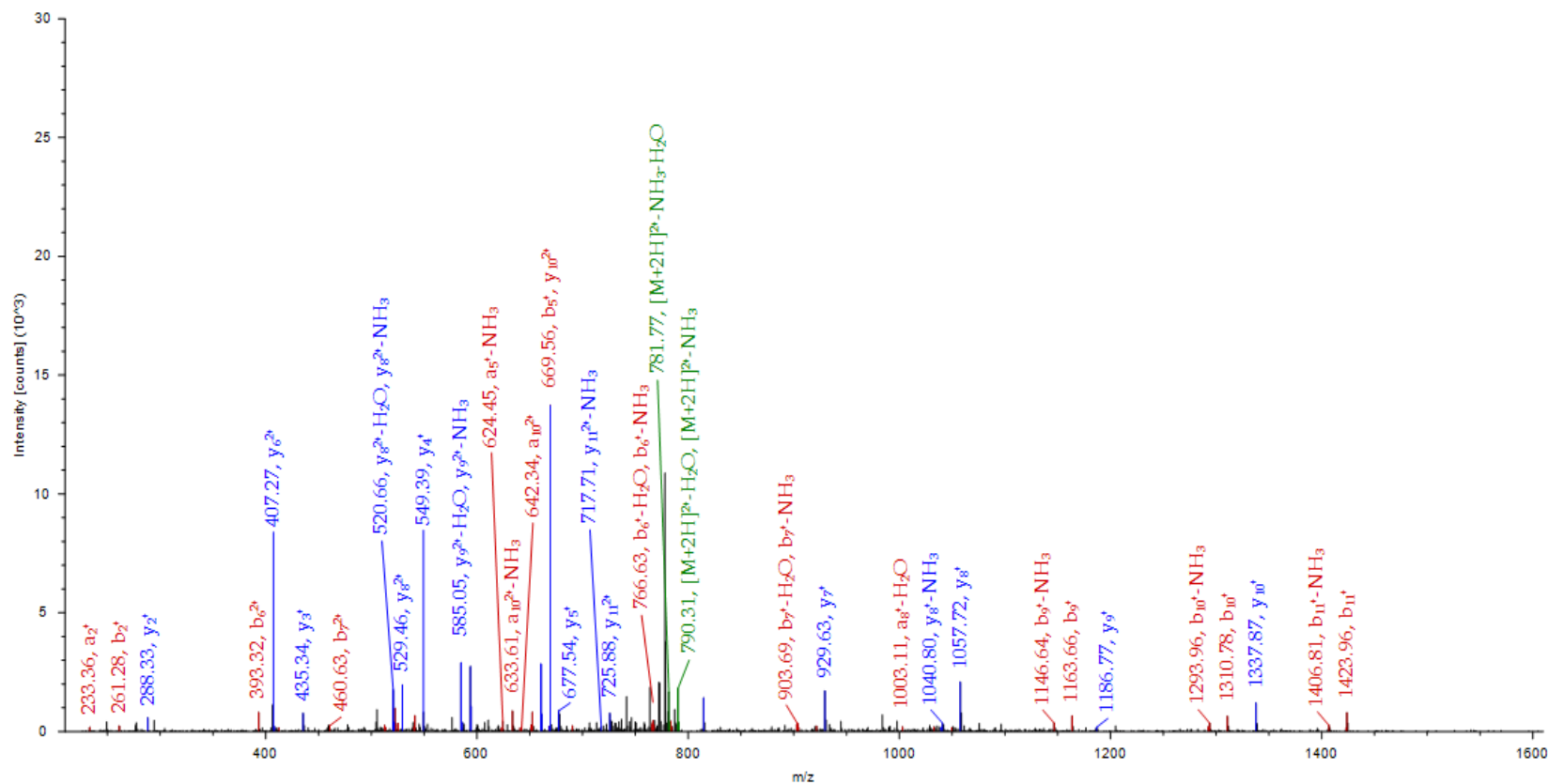
FACHSASLTVR_C3_SO3H

Extracted from: C:\Users\PMAP\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMa_051613.raw #6717 RT: 33.91
ITMS, CID@35.00, z=+2, Mono m/z=620.29388 Da, MH+=1239.58049 Da, Match Tol=0.8 Da



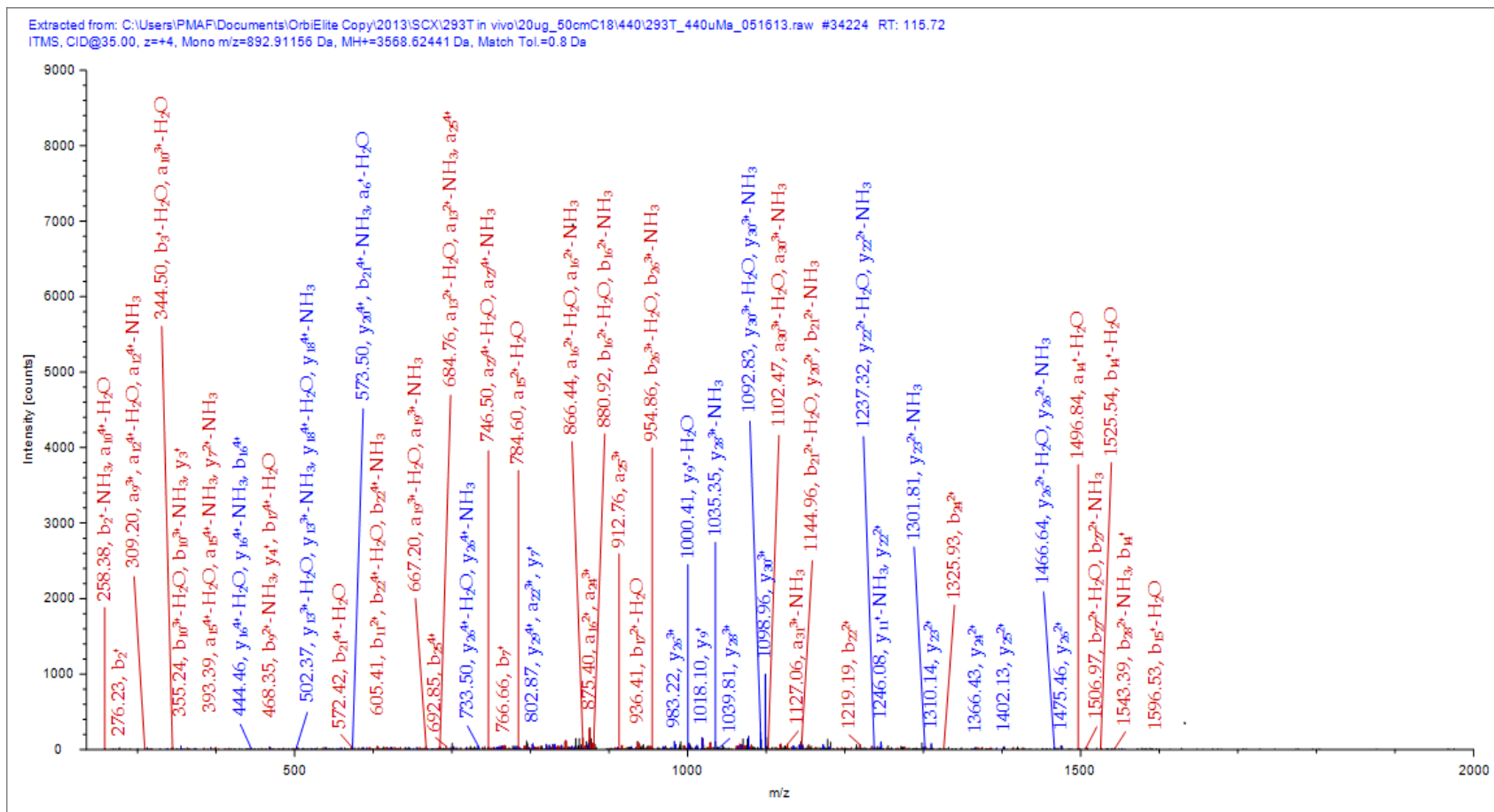
FICEQDHQNFLR_C3_SO3H

Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMs_051613.raw #12641 RT: 49.34
ITMS, CID@35.00, z=+2, Mono m/z=799.35693 Da, MH+=1597.70659 Da, Match Tol.=0.8 Da



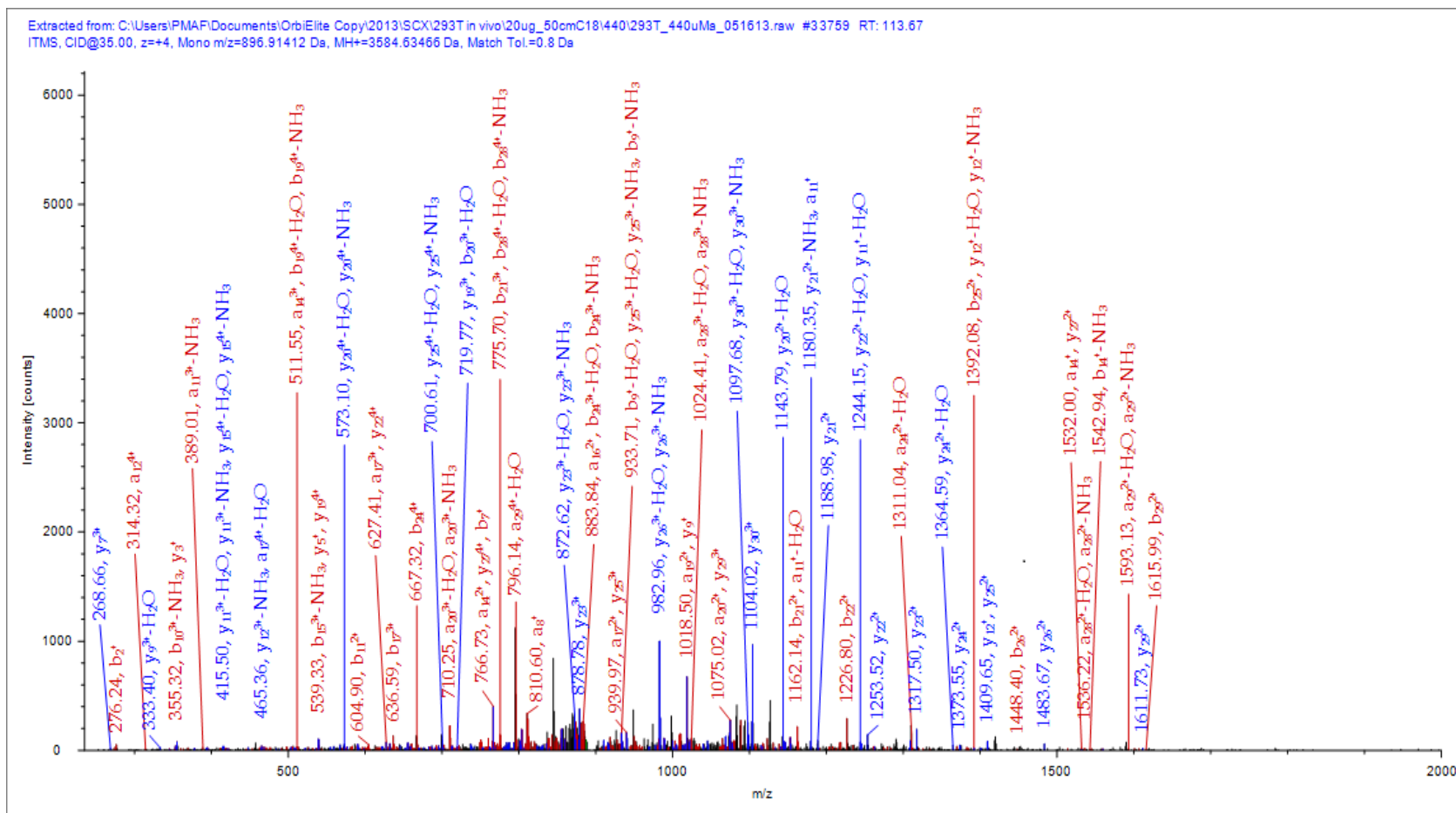
FQSSAVMALQEACEAYLVGLFEDTNLCAIH

AK_C13_SO2H_C27_SO3H



FQSSAVMALQEACEAYLVGLFEDTNLCAIH

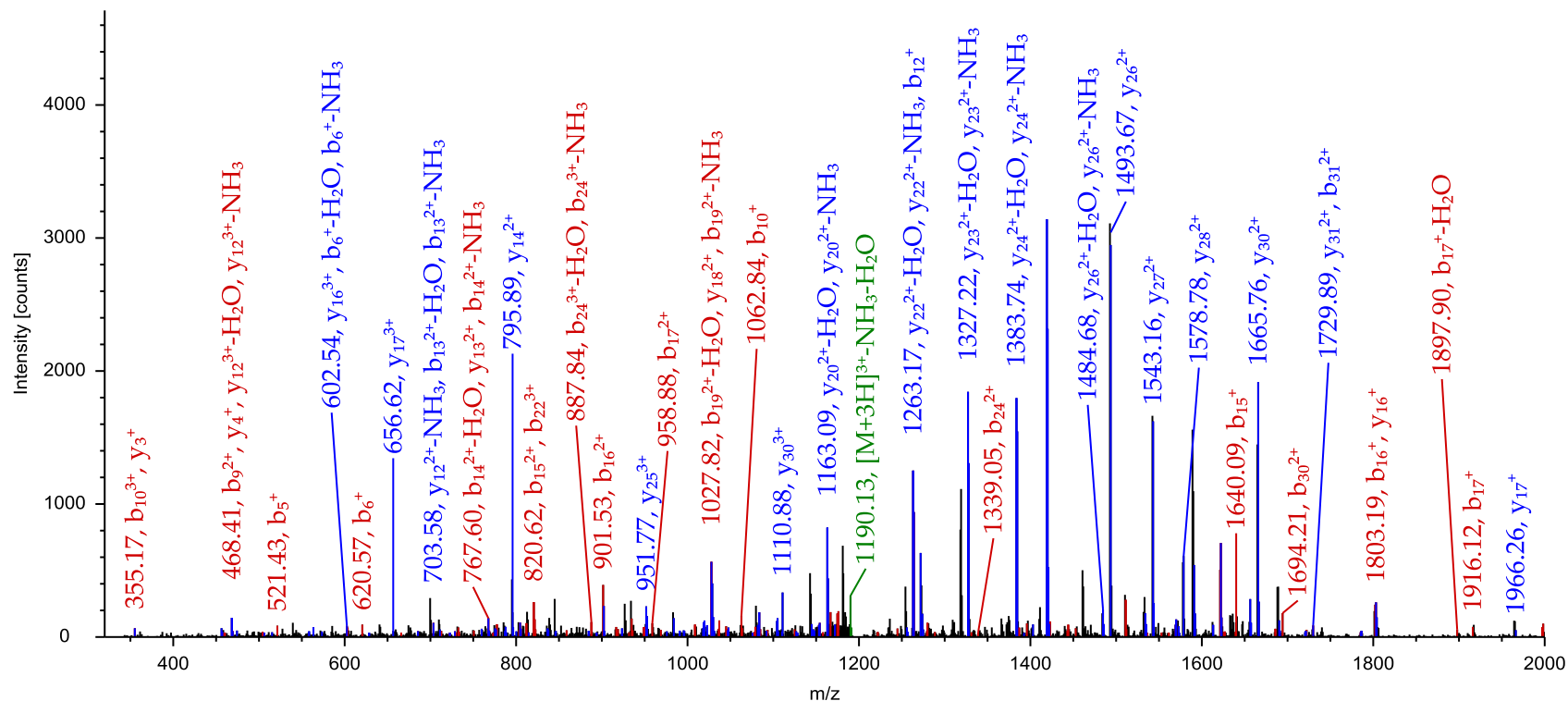
AK_C13_SO3H_C27_SO3H



FQSSAVMALQEACEAYLVGLFEDTNLCAIH

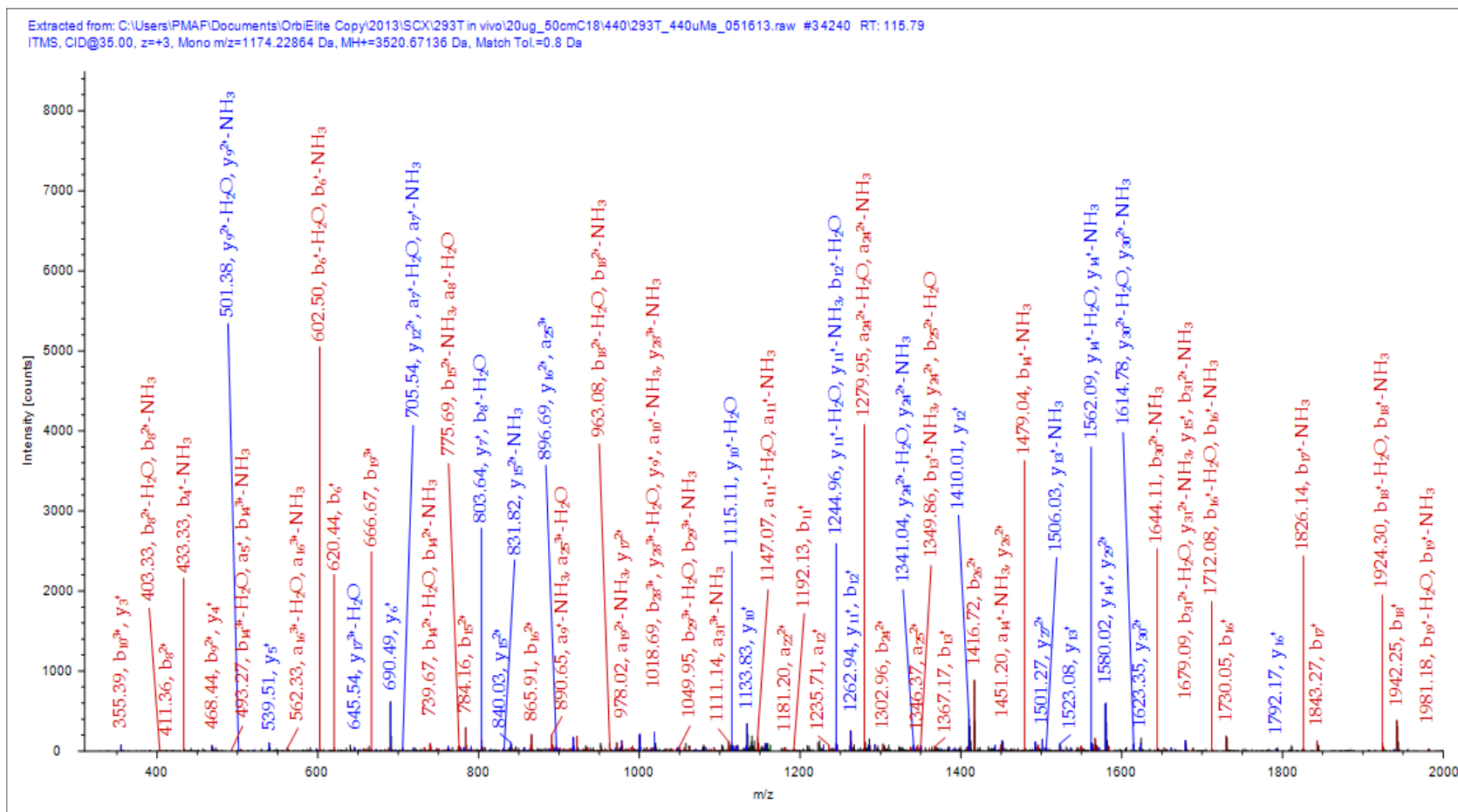
AK_C27_SO2H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #29794 RT: 107.03
ITMS, CID@35.00, z=+3, Mono m/z=1202.57434 Da, MH+=3605.70847 Da, Match Tol.=0.8 Da



FQSSAVMALQEACEAYLVGLFEDTNLCAIH

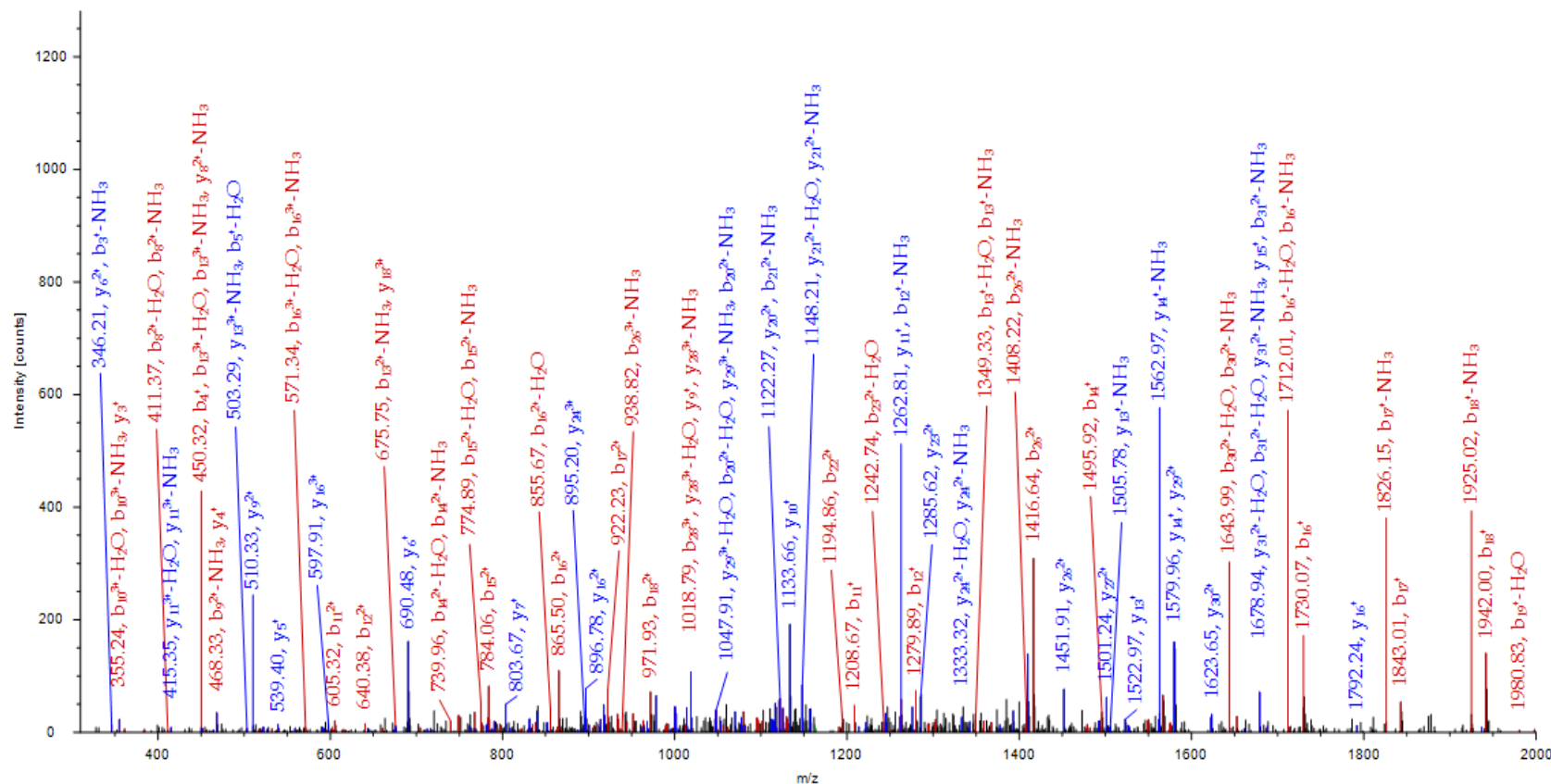
AK_C27_SO3H



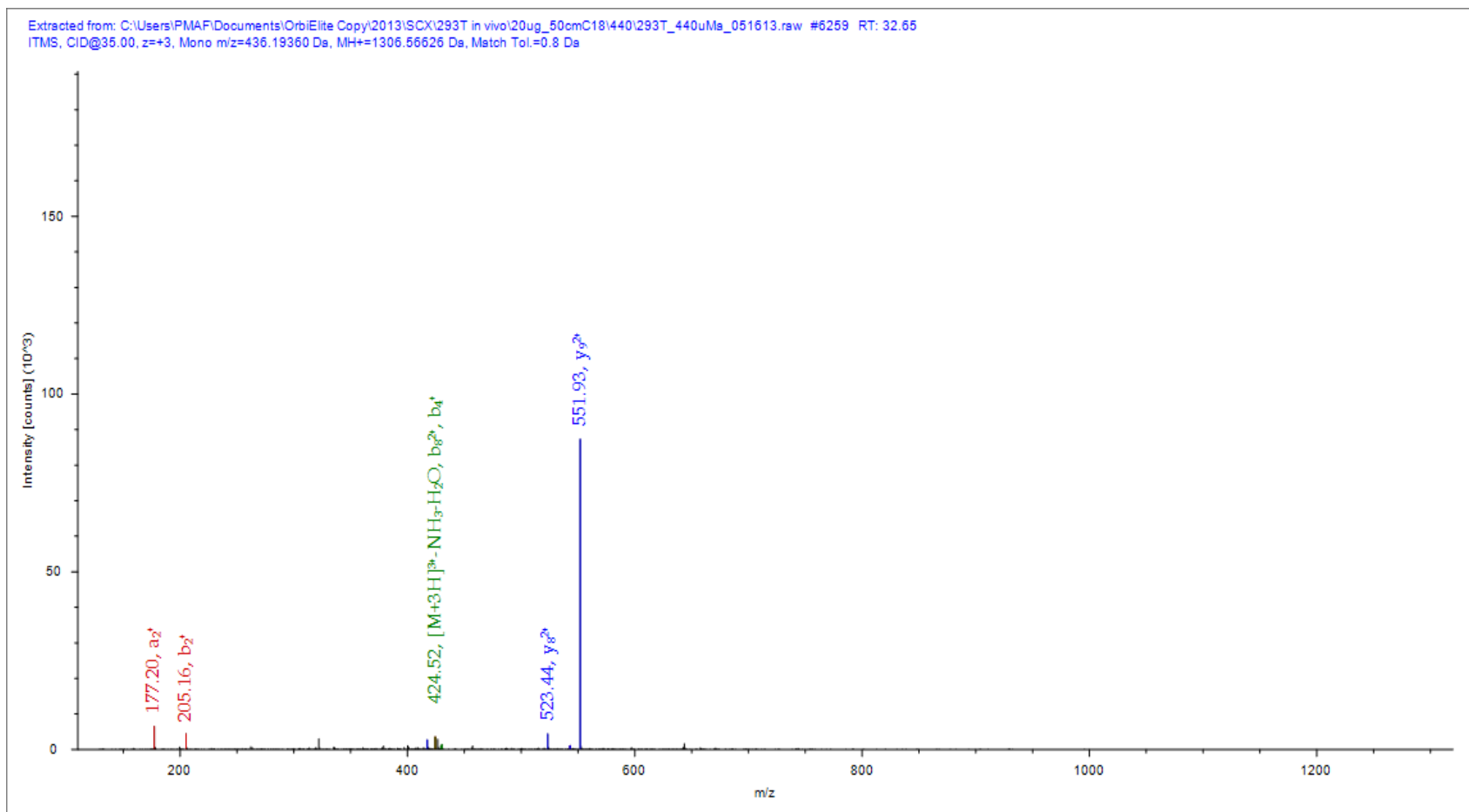
FQSSAVMALQEASEAYLVGLFEDTNLCAIH

AK_C27_SO3H

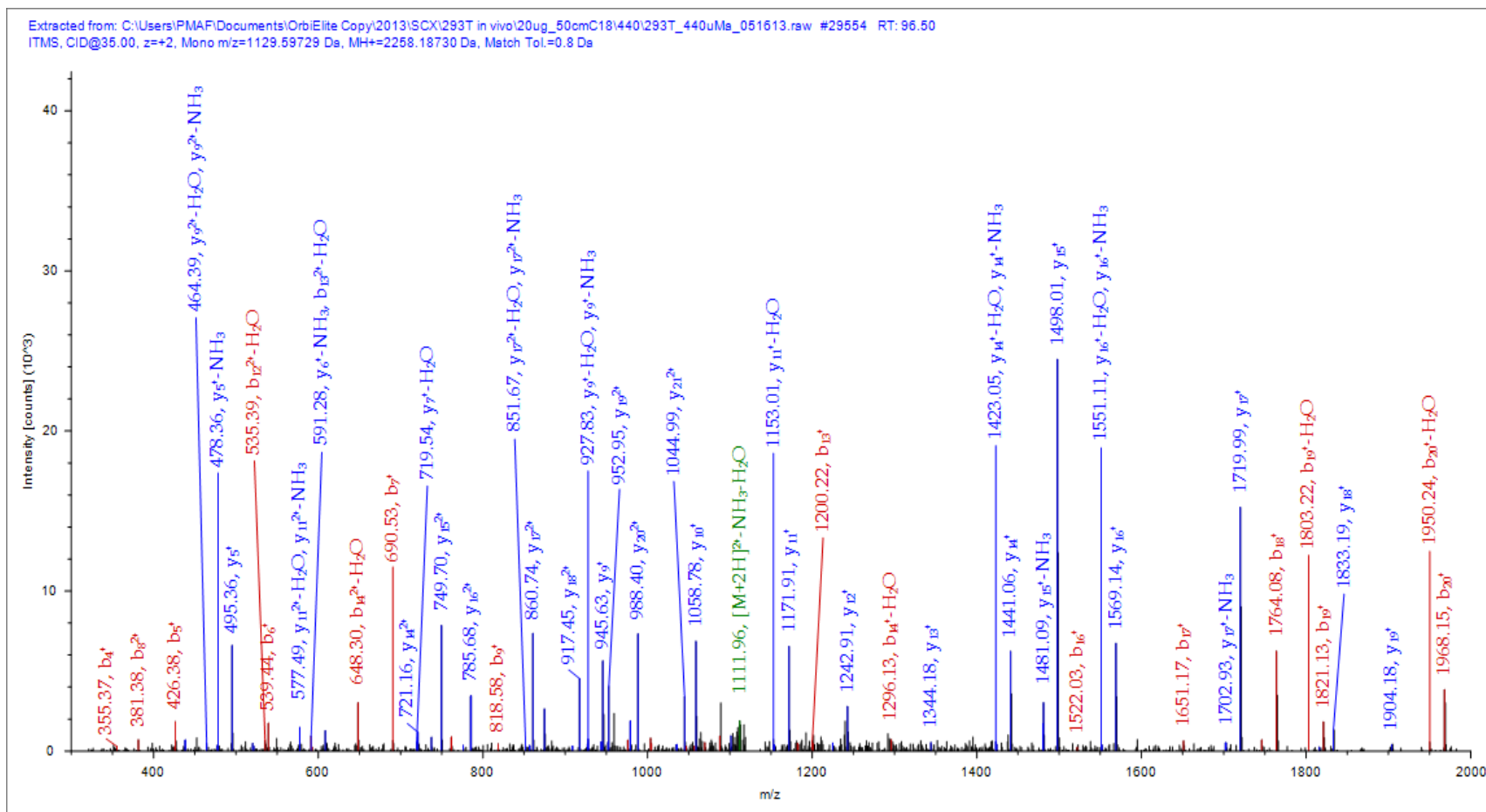
Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #31672 RT: 116.05
ITMS, CID@35.00, z=+3, Mono m/z=1174.22375 Da, MH+=3520.65671 Da, Match Tol=0.8 Da



GFGYKGSCFHR_C8_SO3H

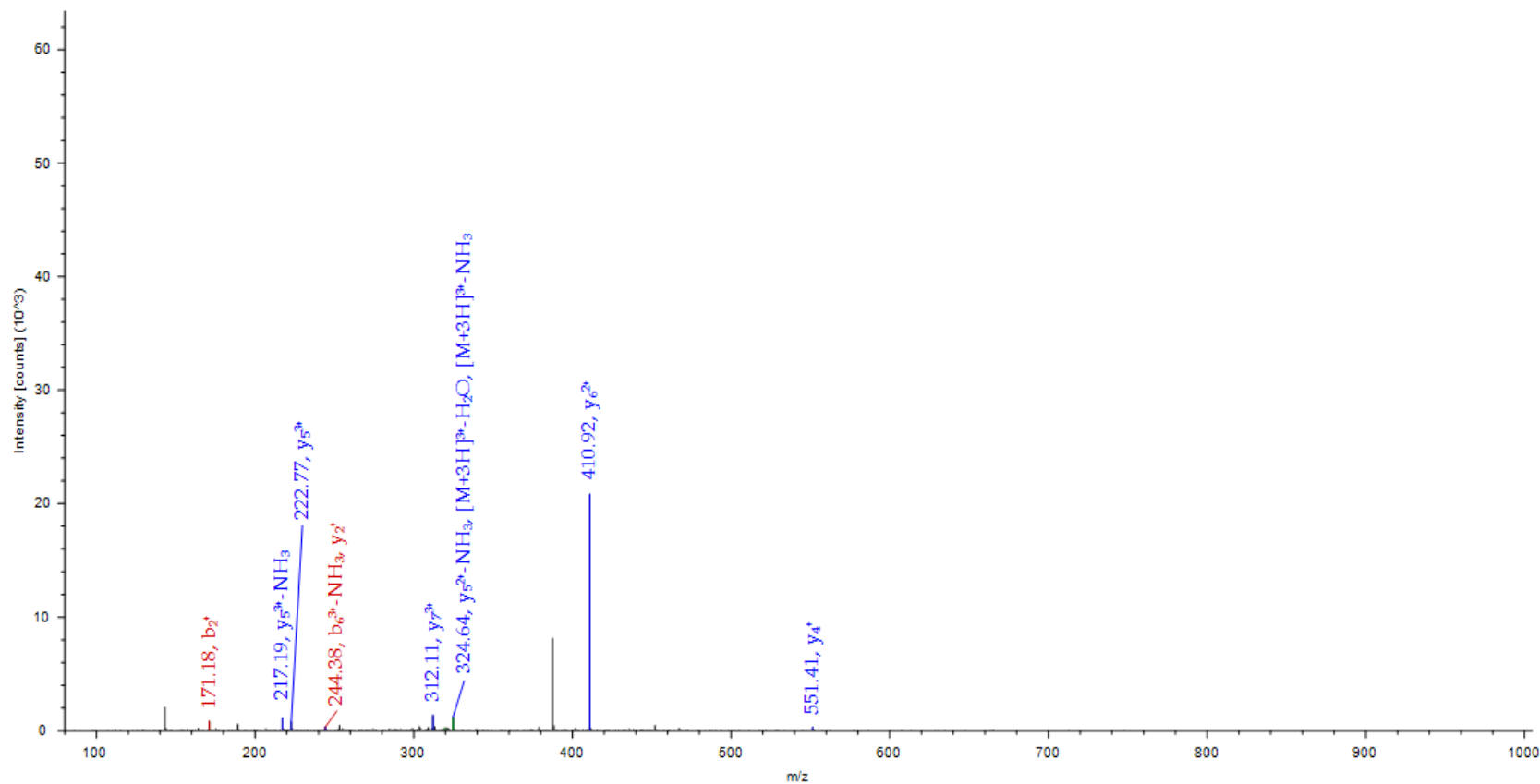


GLIAAICAGPTALLAHEIGFGSK_C7_SO3H

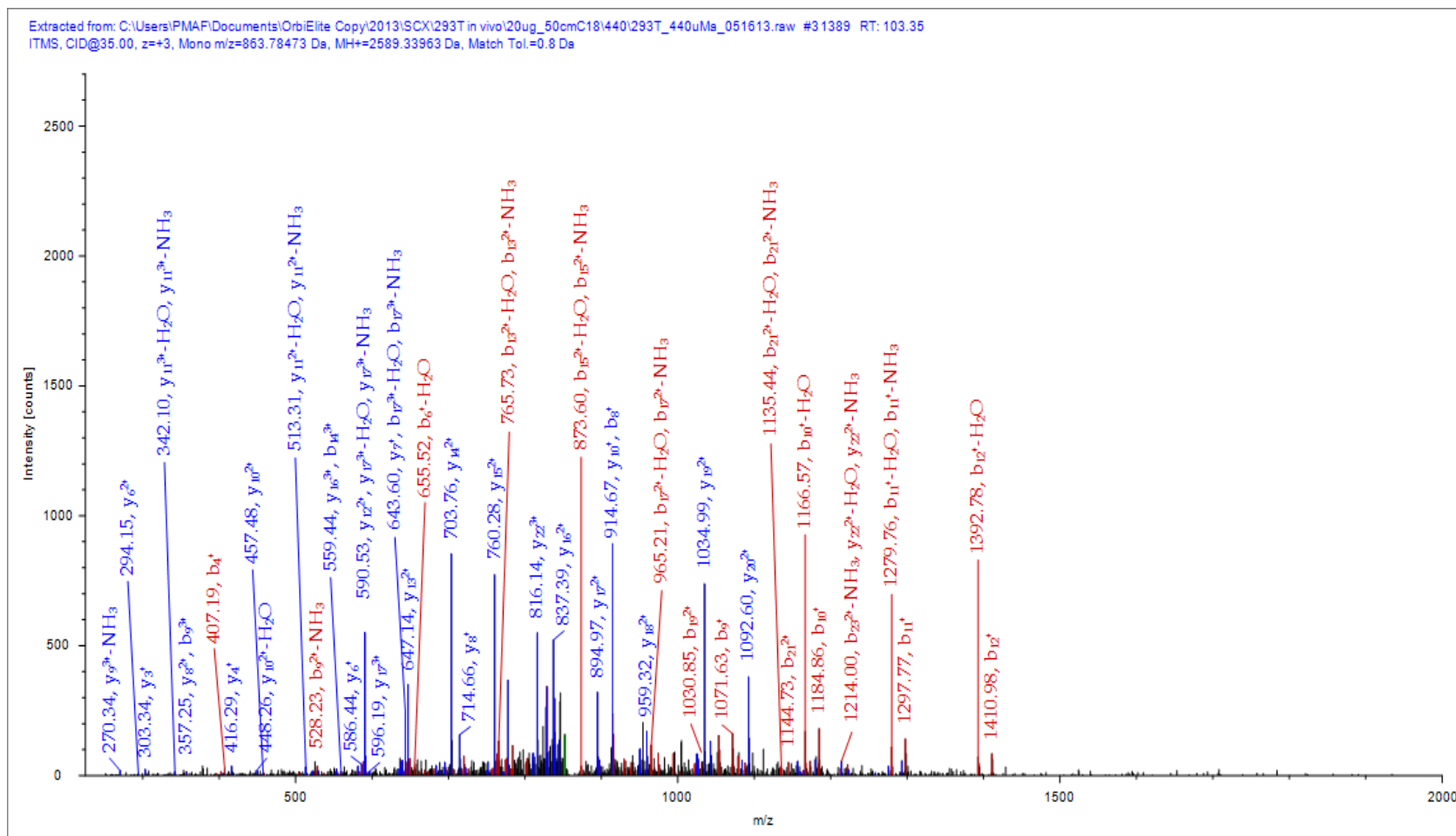


GLRLCRPK_C5_SO3H

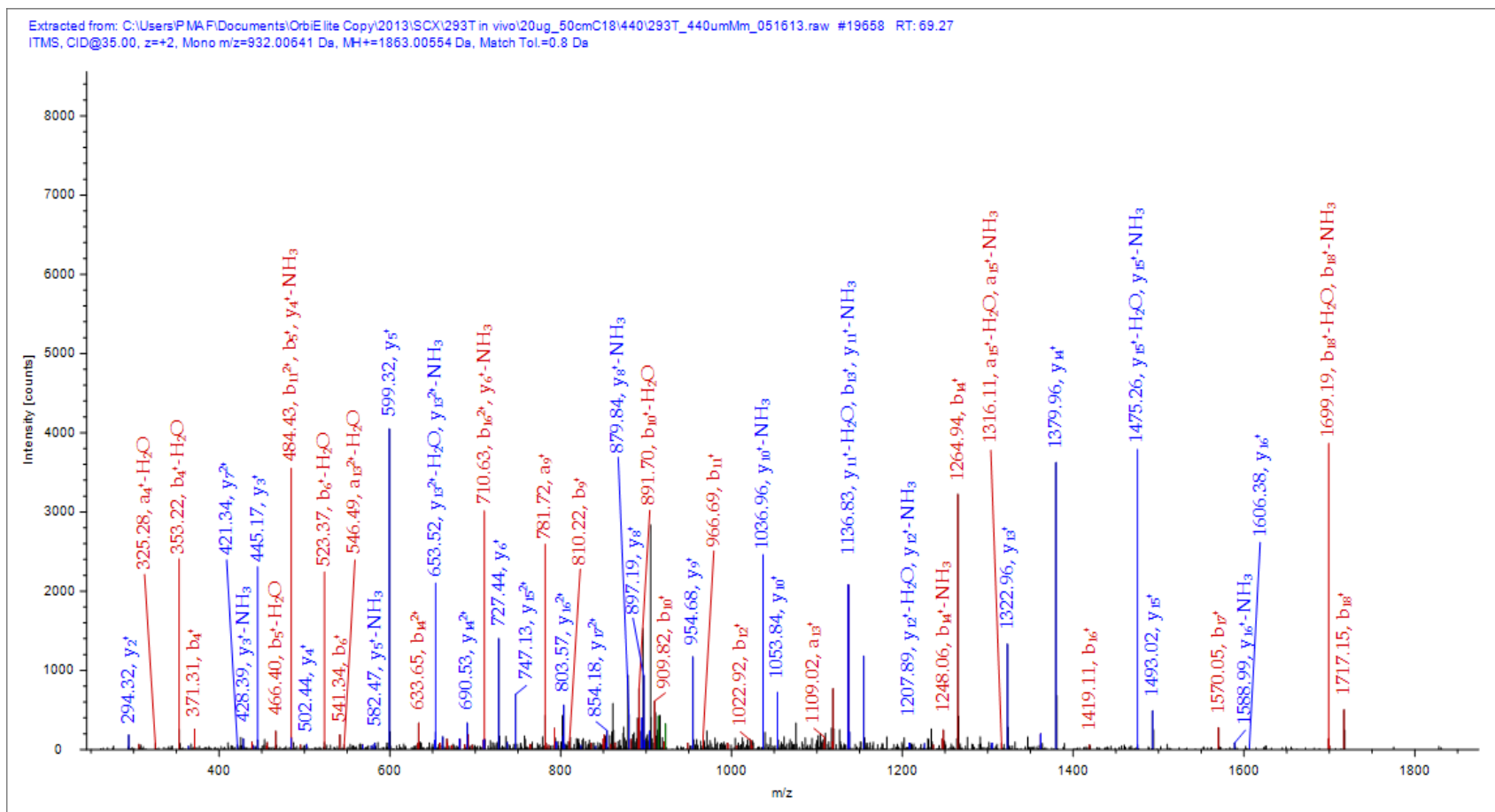
Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMs_051613.raw #3653 RT: 24.44
ITMS, CID@35.00, z=+3, Mono m/z=330.85571 Da, MH+=990.55259 Da, Match Tol.=0.8 Da



GSDFDCELRLLIHQSLAGGIIGVK_C6_
S03H

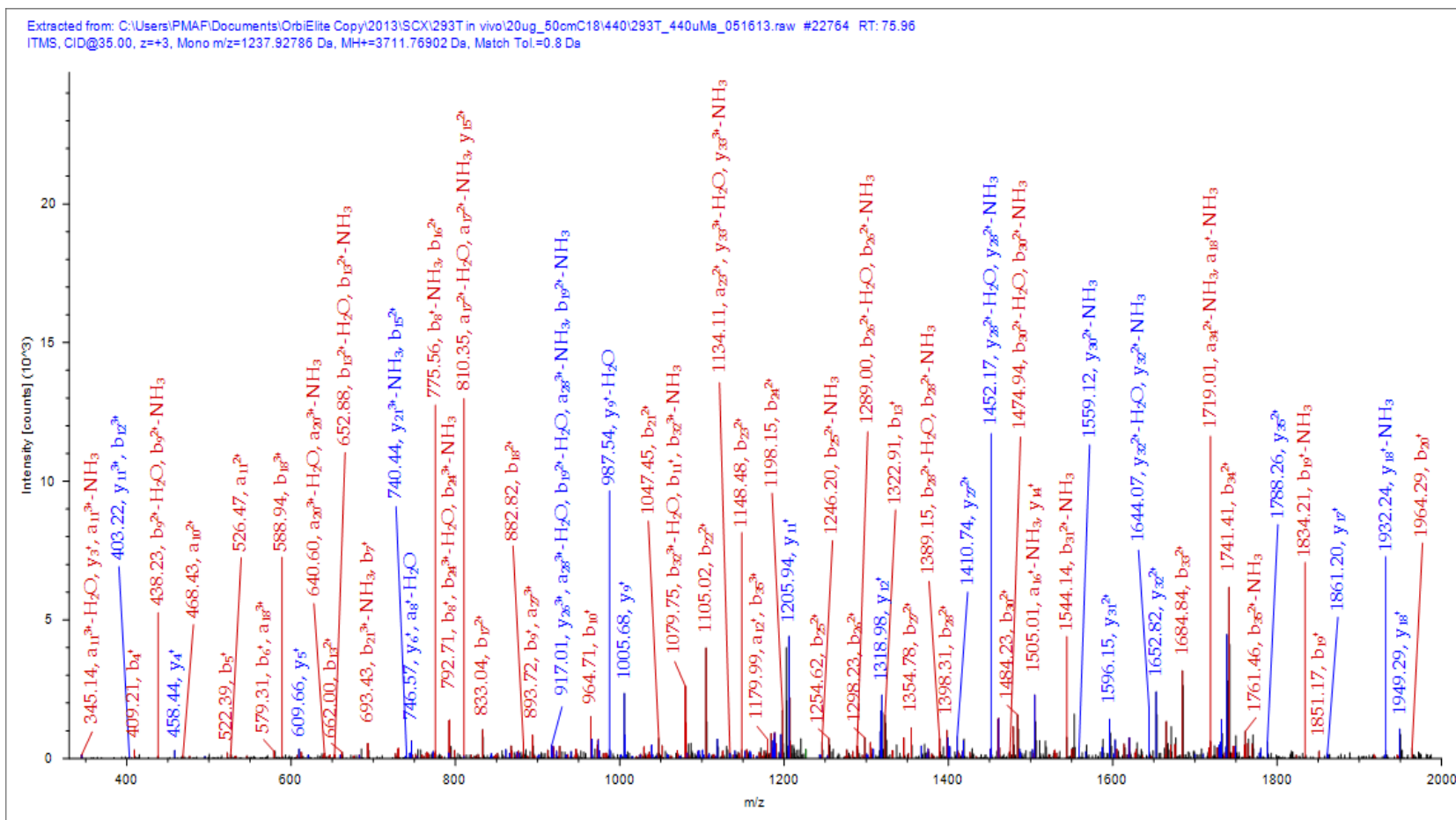


GVTIIGPATVGGIKPGCFK_C17_SO3H



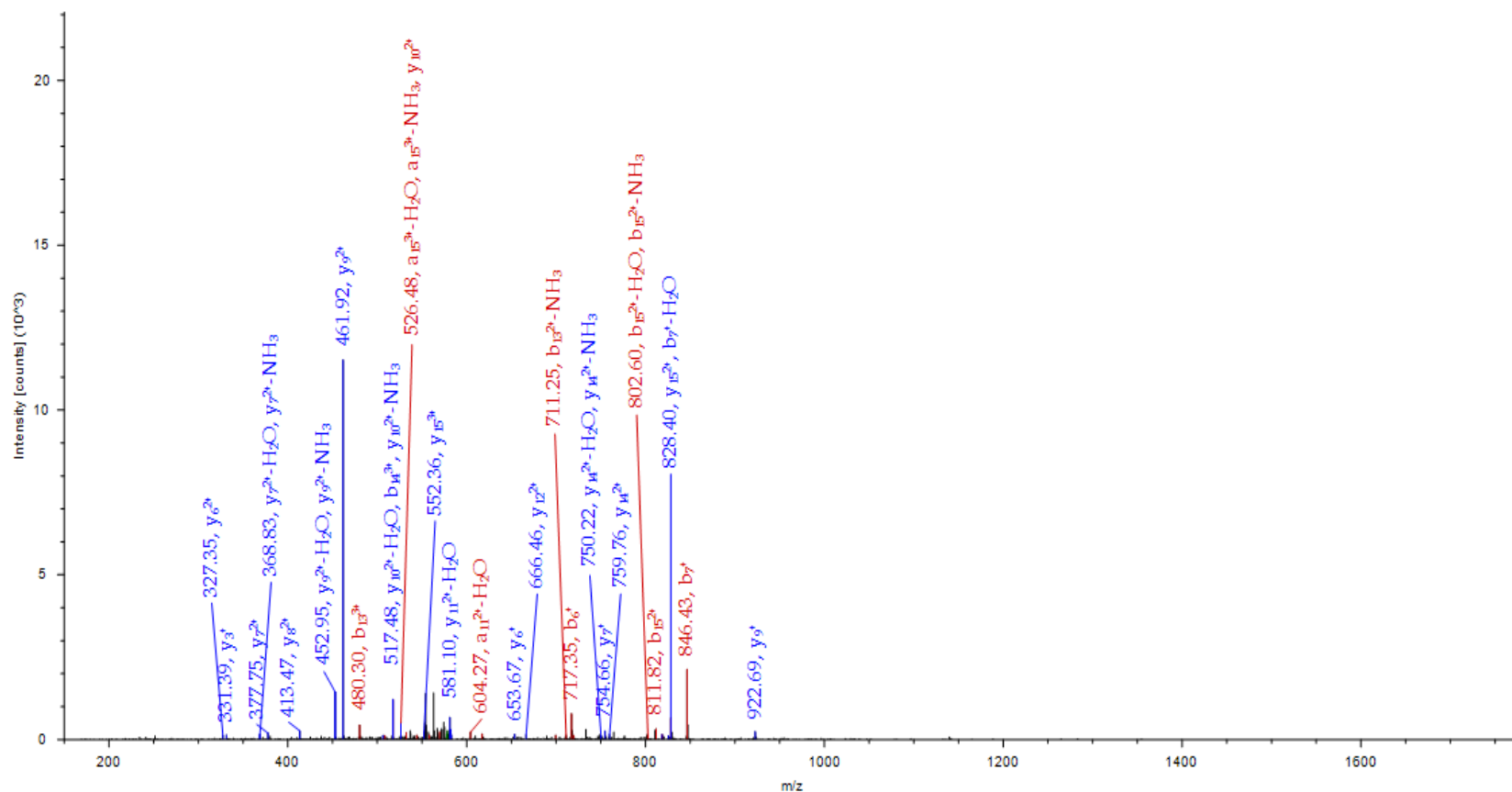
HVGD LGNV TADK DGVADV SIEDSVISLSG

DHCIIGR_C32_SO3H

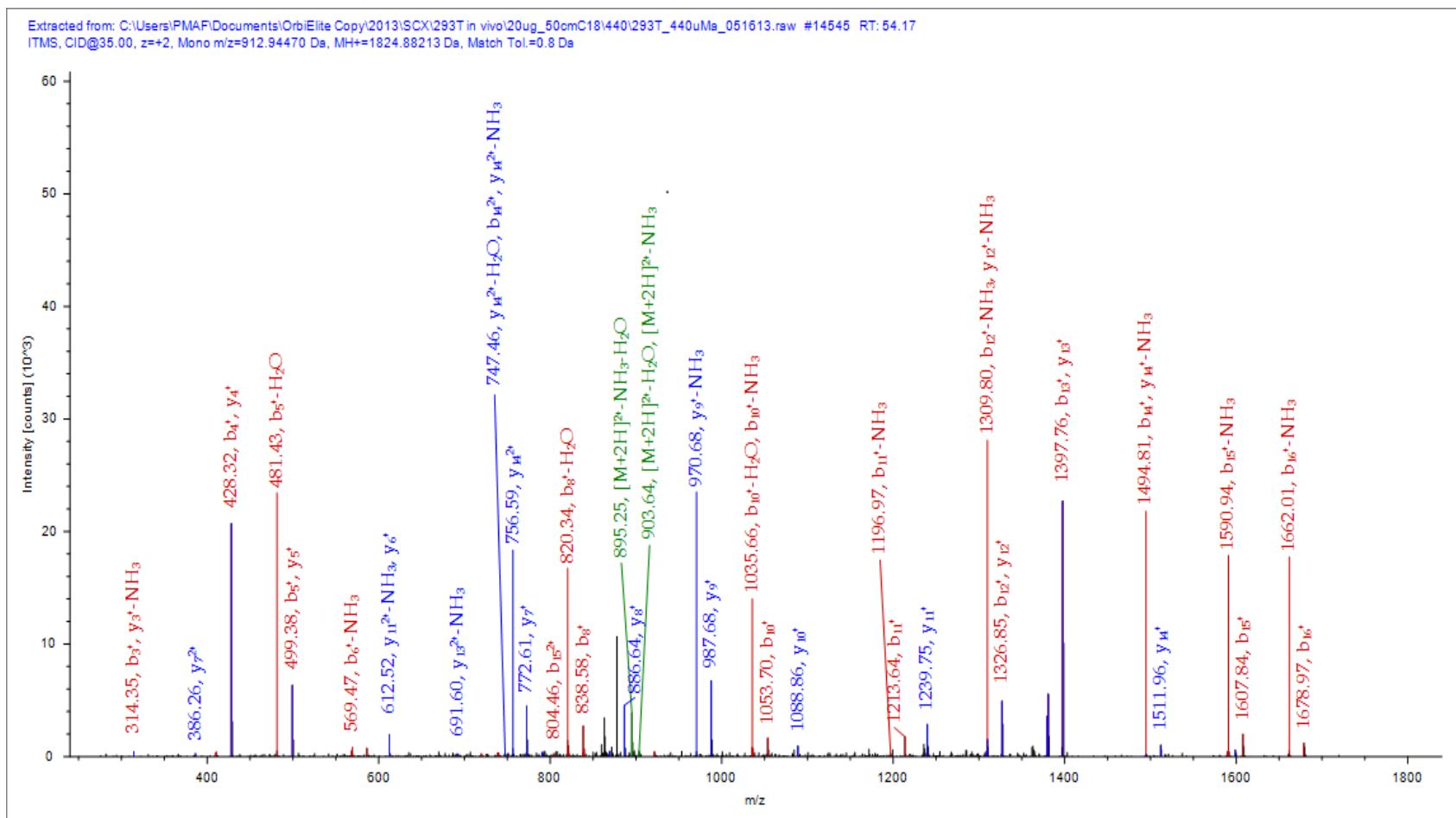


IHEGCEEPATHNALAK_C5_SO3H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #3296 RT: 21.88
ITMS, CID@35.00, z=+3, Mono m/z=589.93774 Da, MH+=1767.79868 Da, Match Tol.=0.8 Da

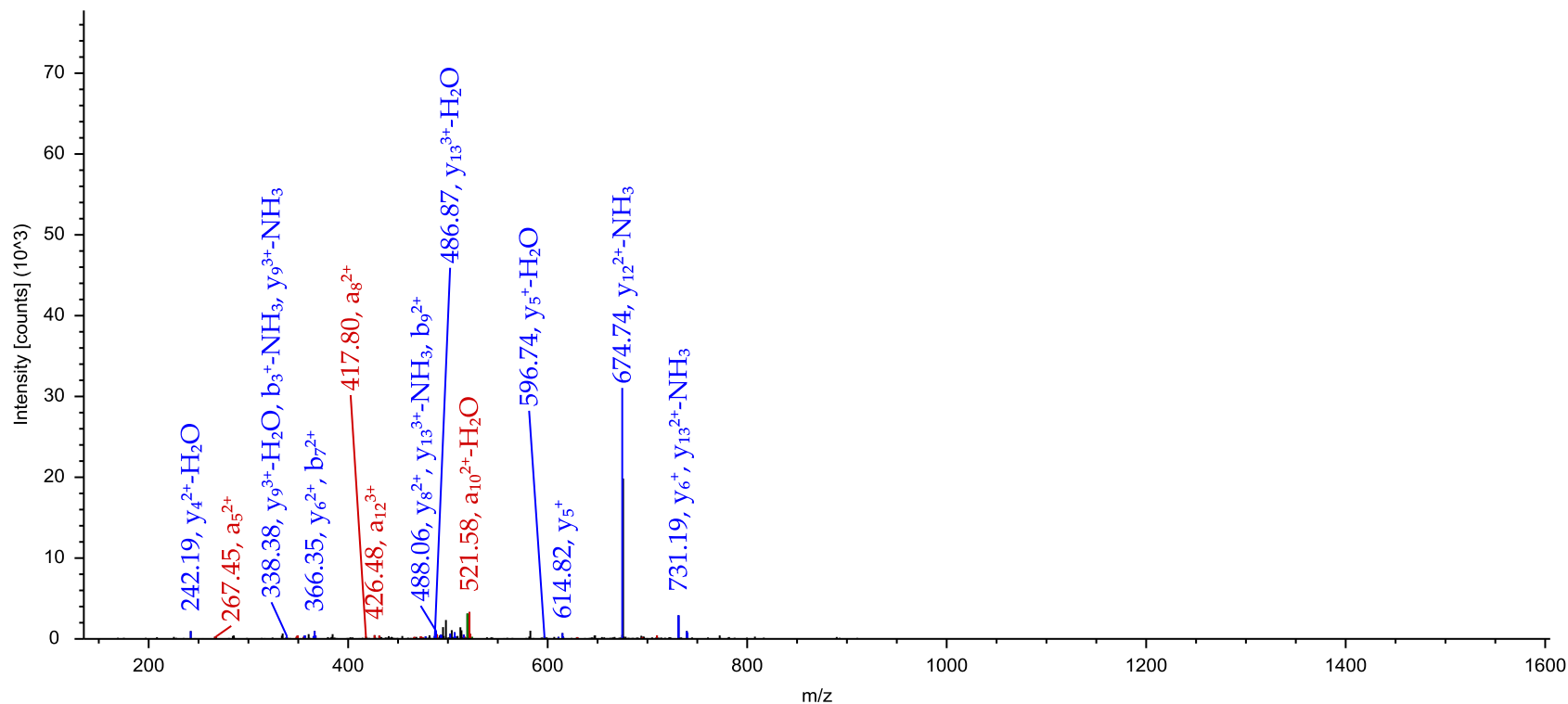


IISNASCTTNCLAPLAK_C7_SO3H

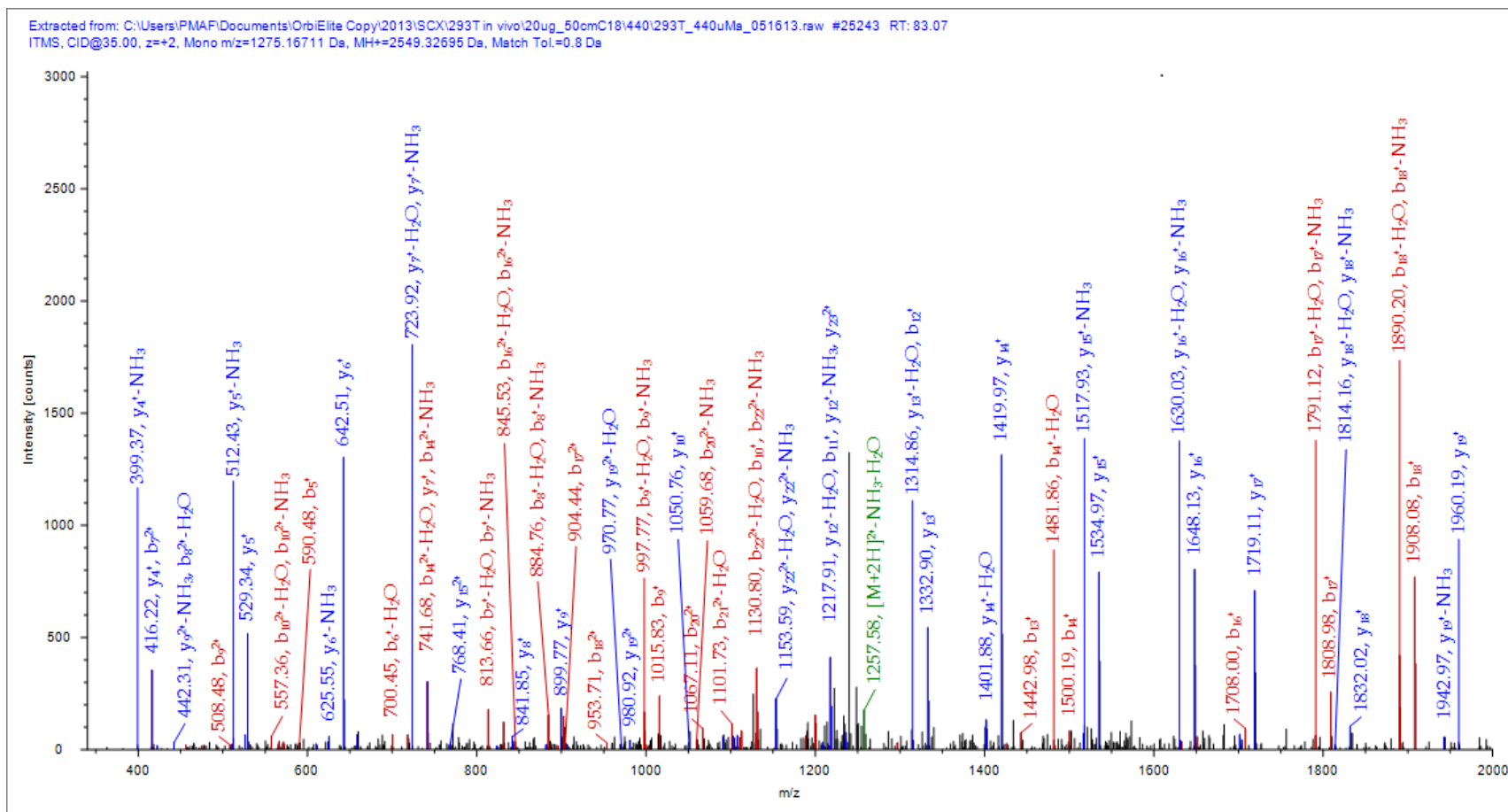


ILKCAGNEDIITLR C4 SO2H

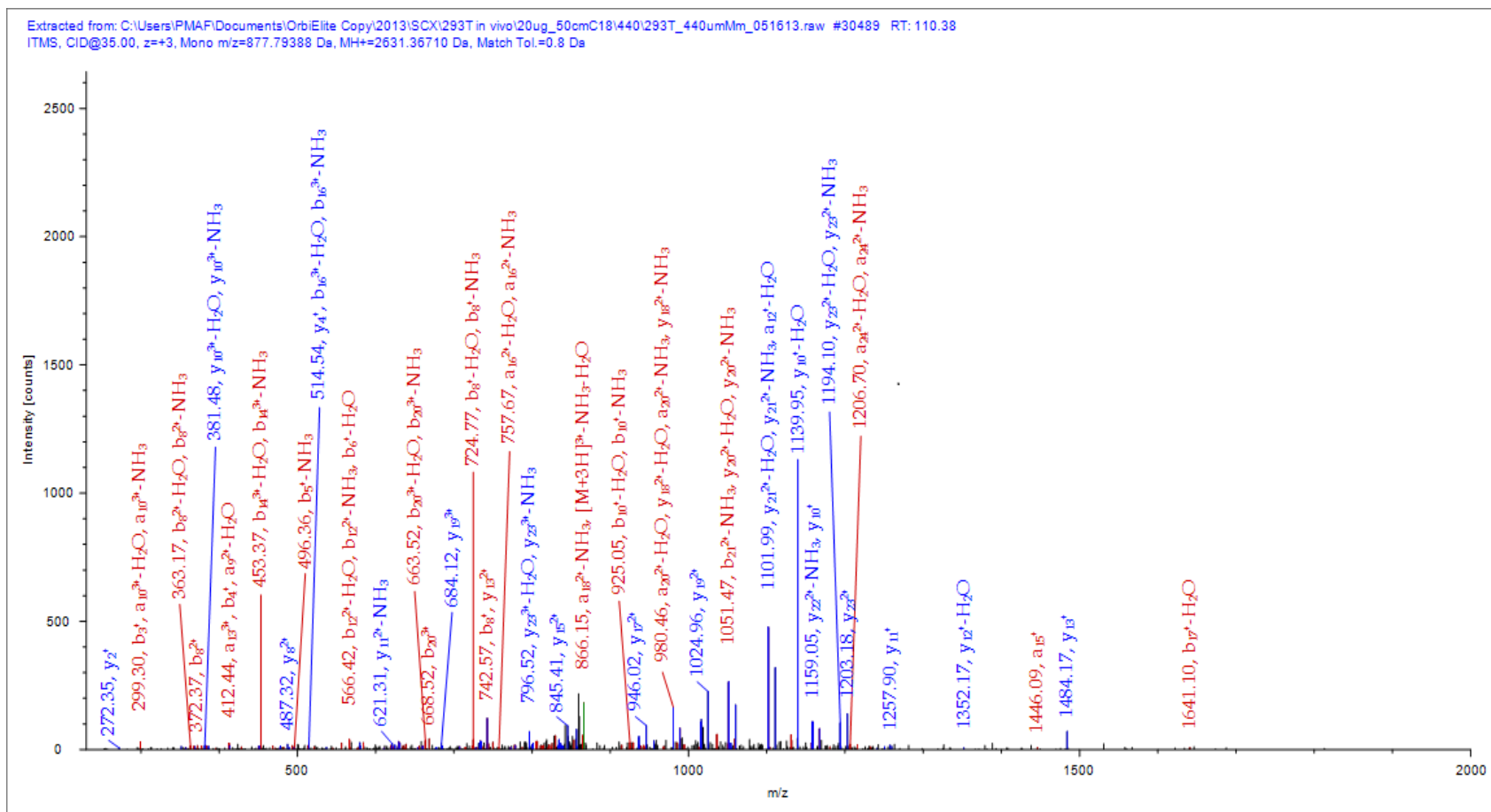
Extracted from: C:\Users\PMF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMa_051613.raw #5419 RT: 30.19
ITMS, CID@35.00, z=+3, Mono m/z=530.95514 Da, MH+=1590.85086 Da, Match Tol.=0.8 Da



ILTFDQLALDSPKGC GTVLLSGPR_C15_ SO3H

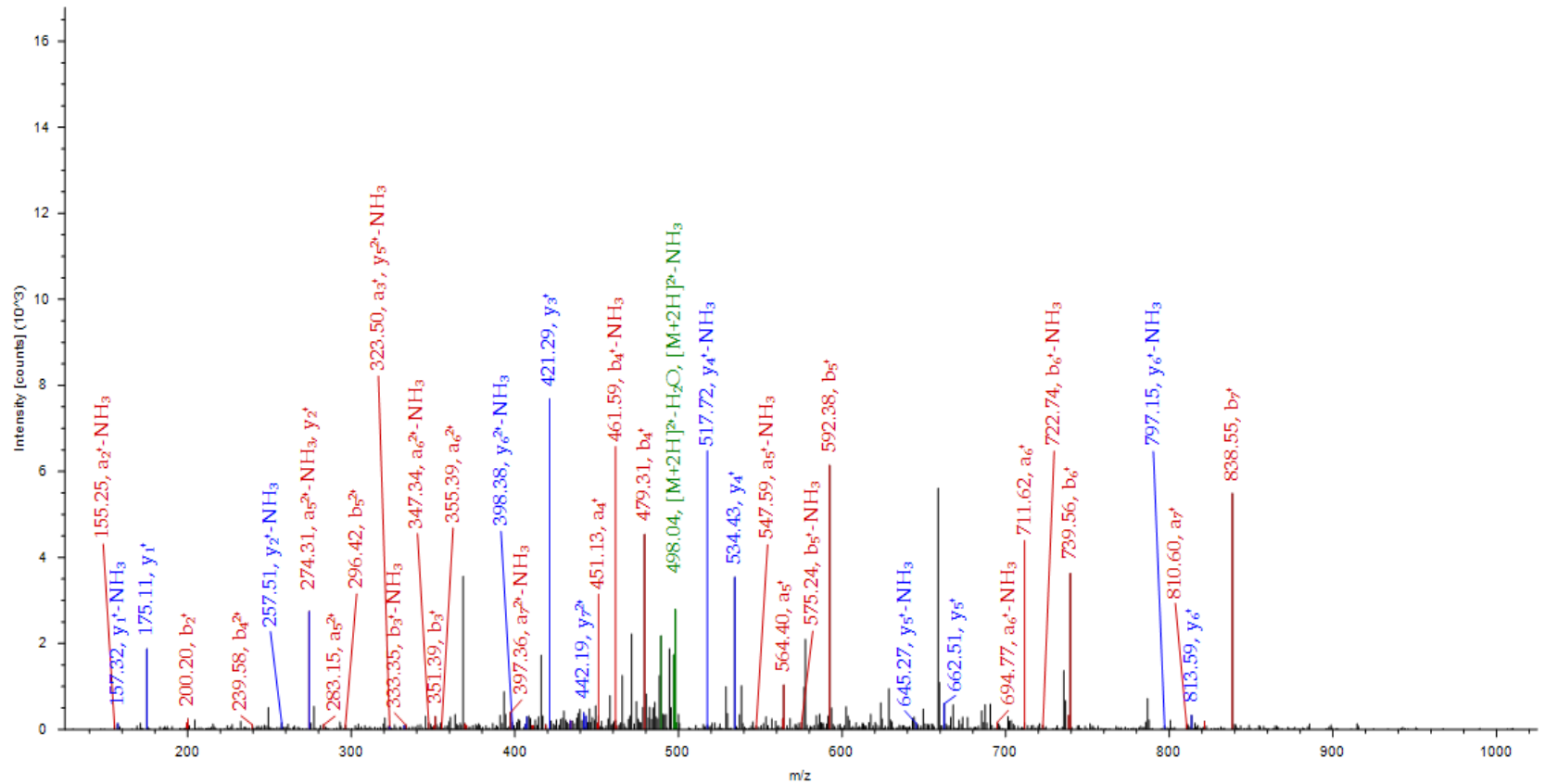


INALTAASEAACLIVSVDETIKNPR_C12_ SO2H

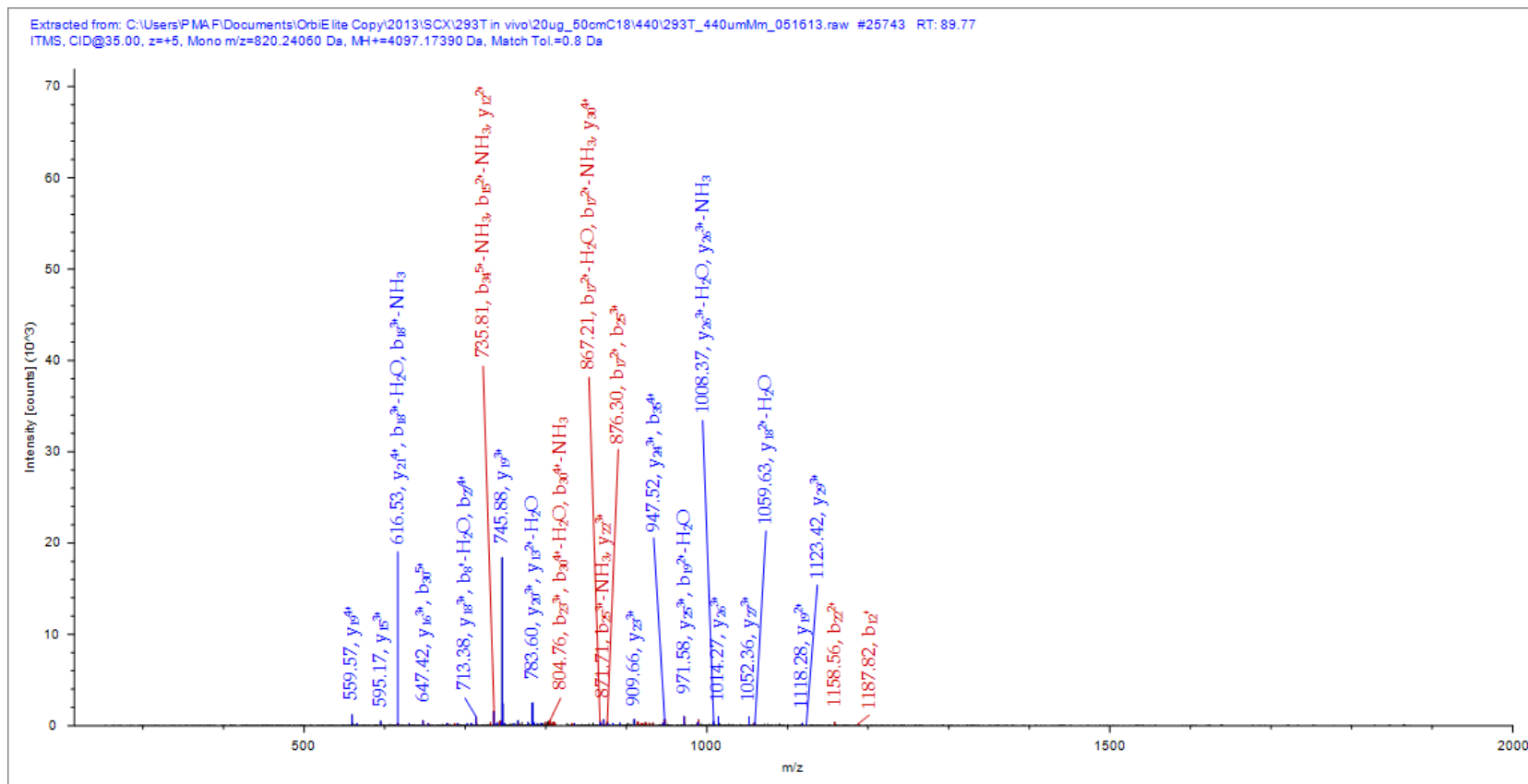


KACQIFVR_C3_SO3H

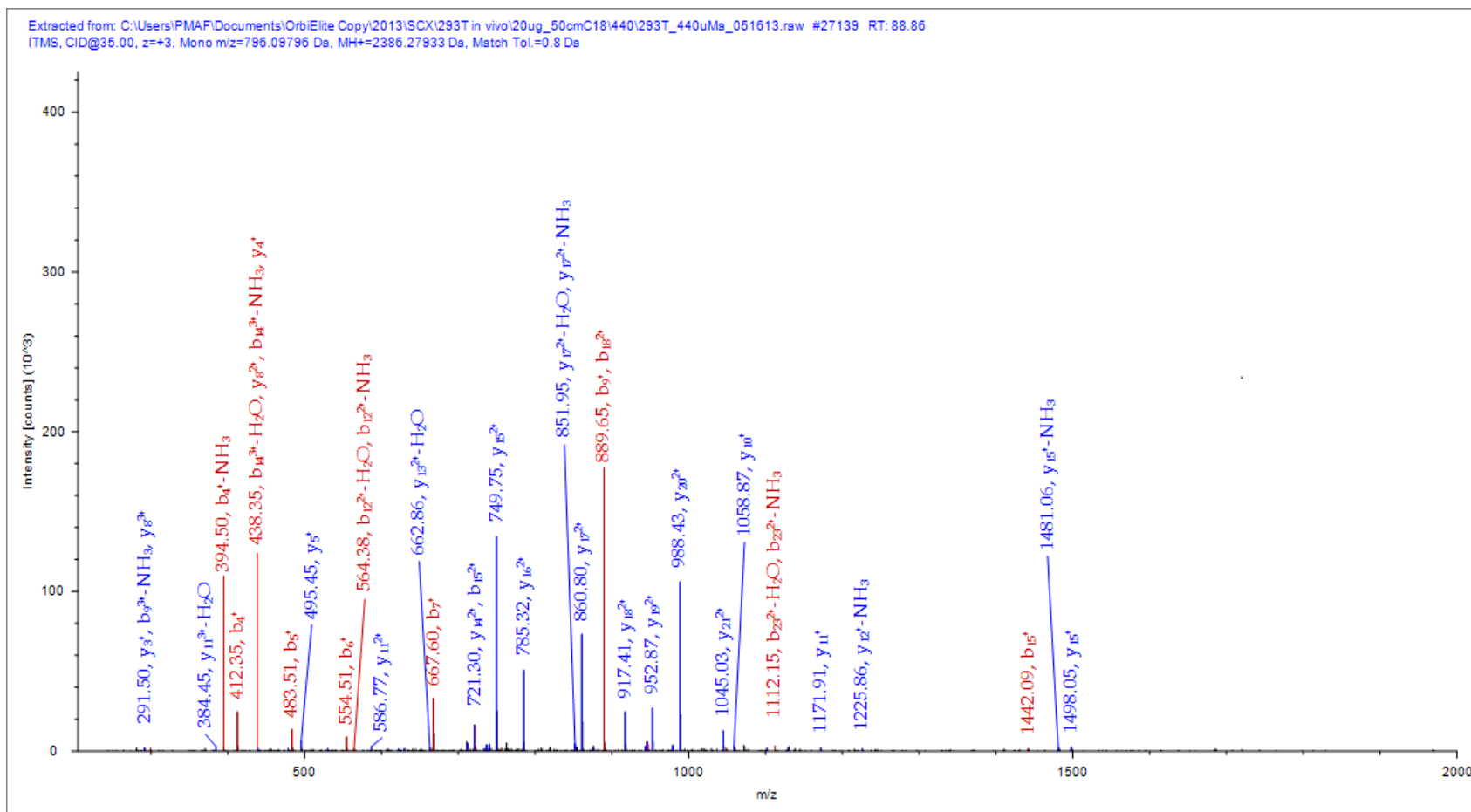
Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMs_051613.raw #8145 RT: 37.74
ITMS, CID@35.00, z=+2, Mono m/z=506.76505 Da, MH+=1012.52281 Da, Match Tol.=0.8 Da



KDGNASGTTLLEALDCILPPTRPTDKPLRLP LQDVYK_C16_SO3H

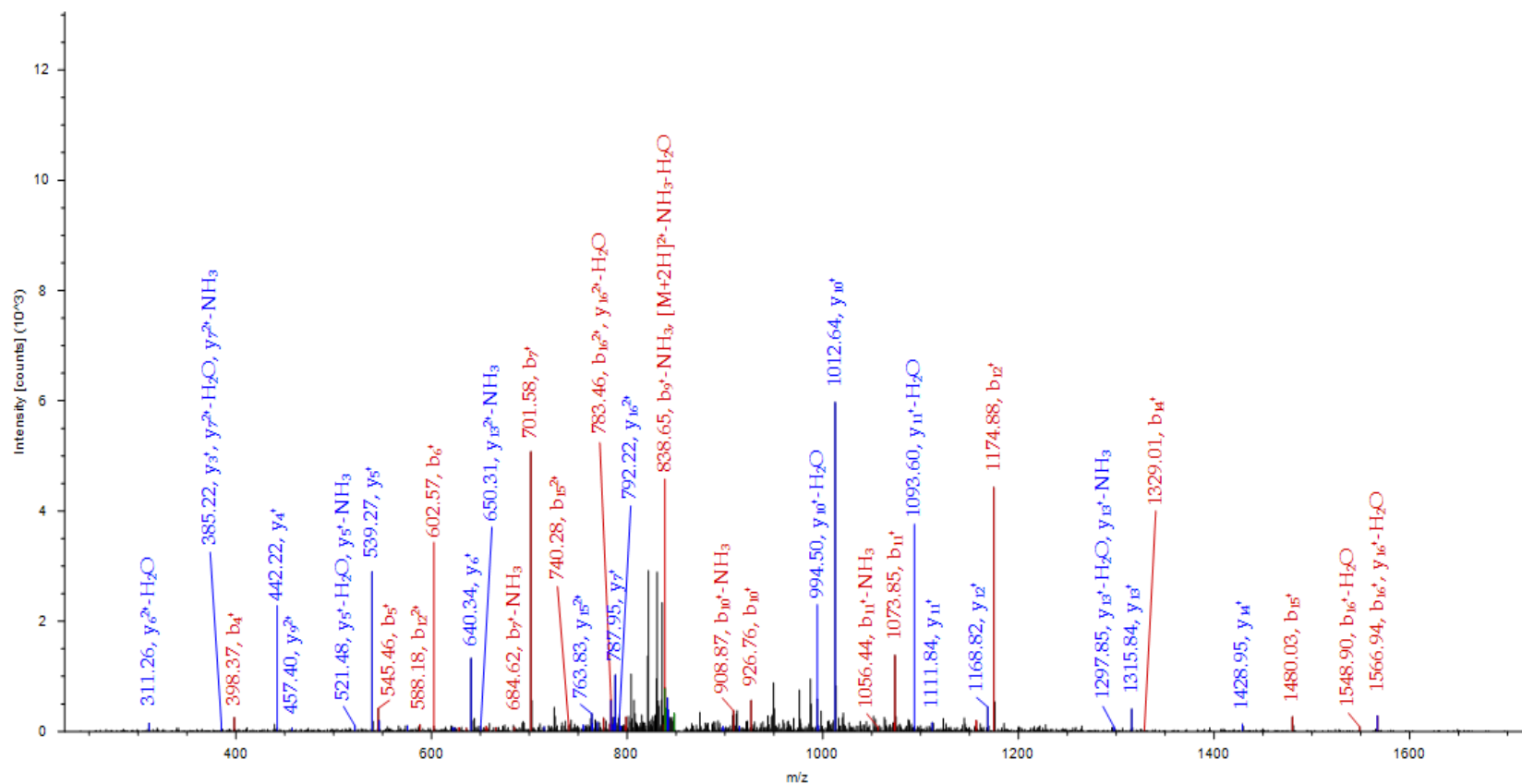


KGLIAAICAGPTALLAHEIGFGSK_C8_ SO3H



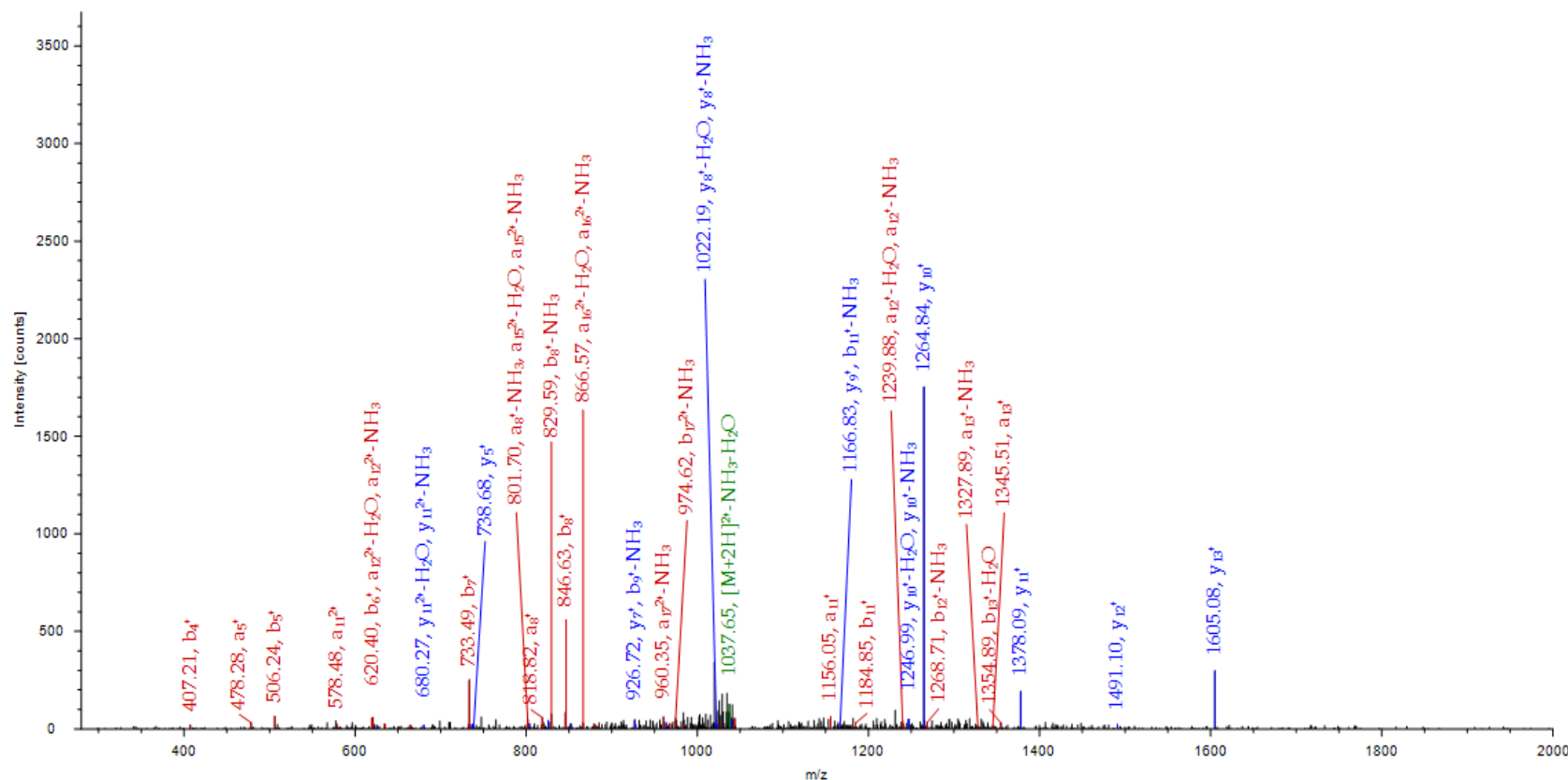
KGVLFGVPGAFTPGCSK_C15_SO3H

Extracted from: C:\Users\PM\FID\Documents\OrbiElite Copy\2013\SCX1293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #20437 RT: 71.68
ITMS, CID@35.00, z=+2, Mono m/z=856.93756 Da, MH+=1712.86785 Da, Match Tol.=0.8 Da

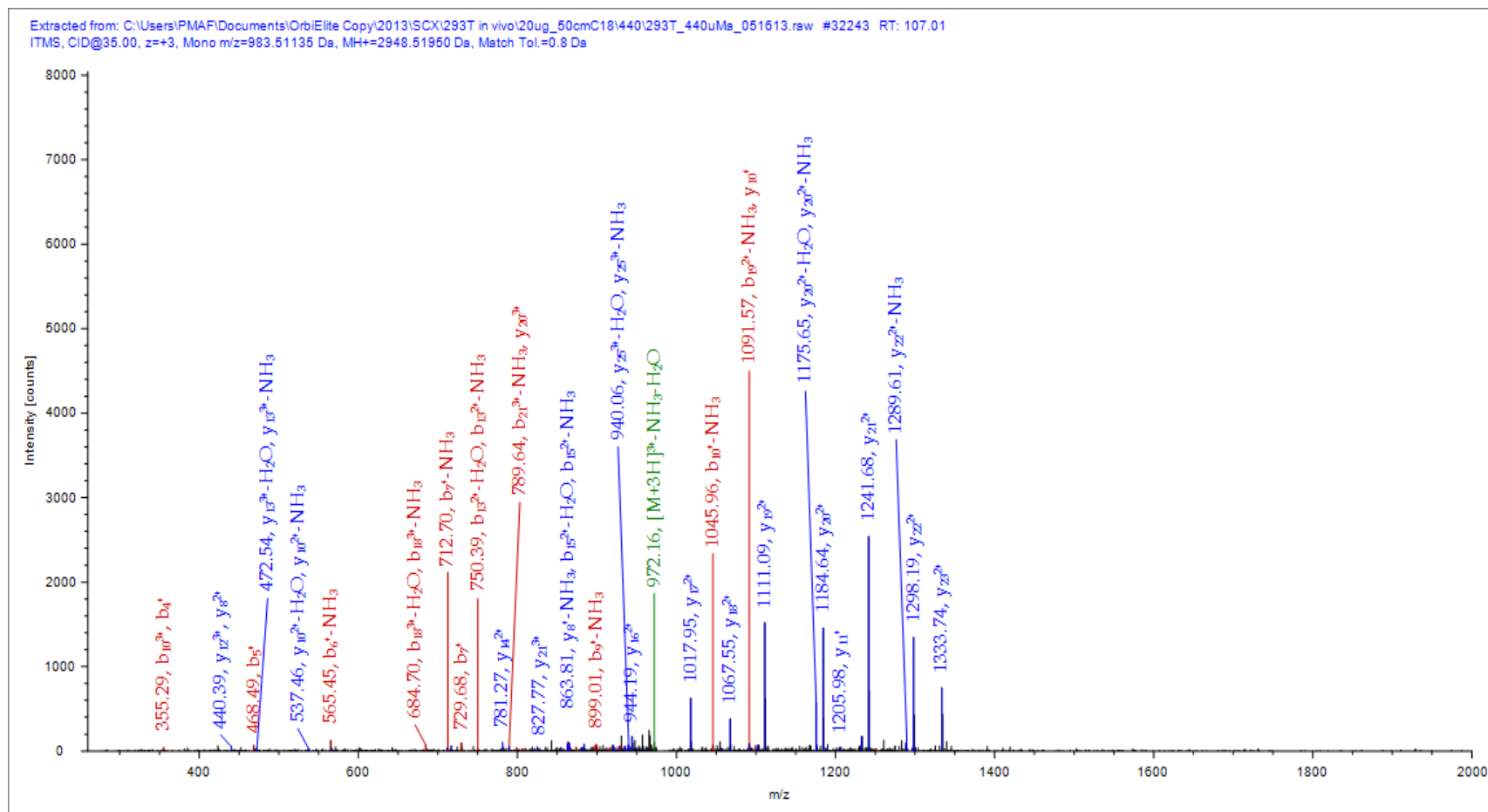


LAACVNLIPQITSIYEWK_C3_SO3H

Extracted from: C:\Users\PMA\FIDocuments\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #28210 RT: 99.76
ITMS, CID@35.00, z=+2, Mono m/z=1055.54858 Da, MH+=2110.08989 Da, Match Tol=0.8 Da

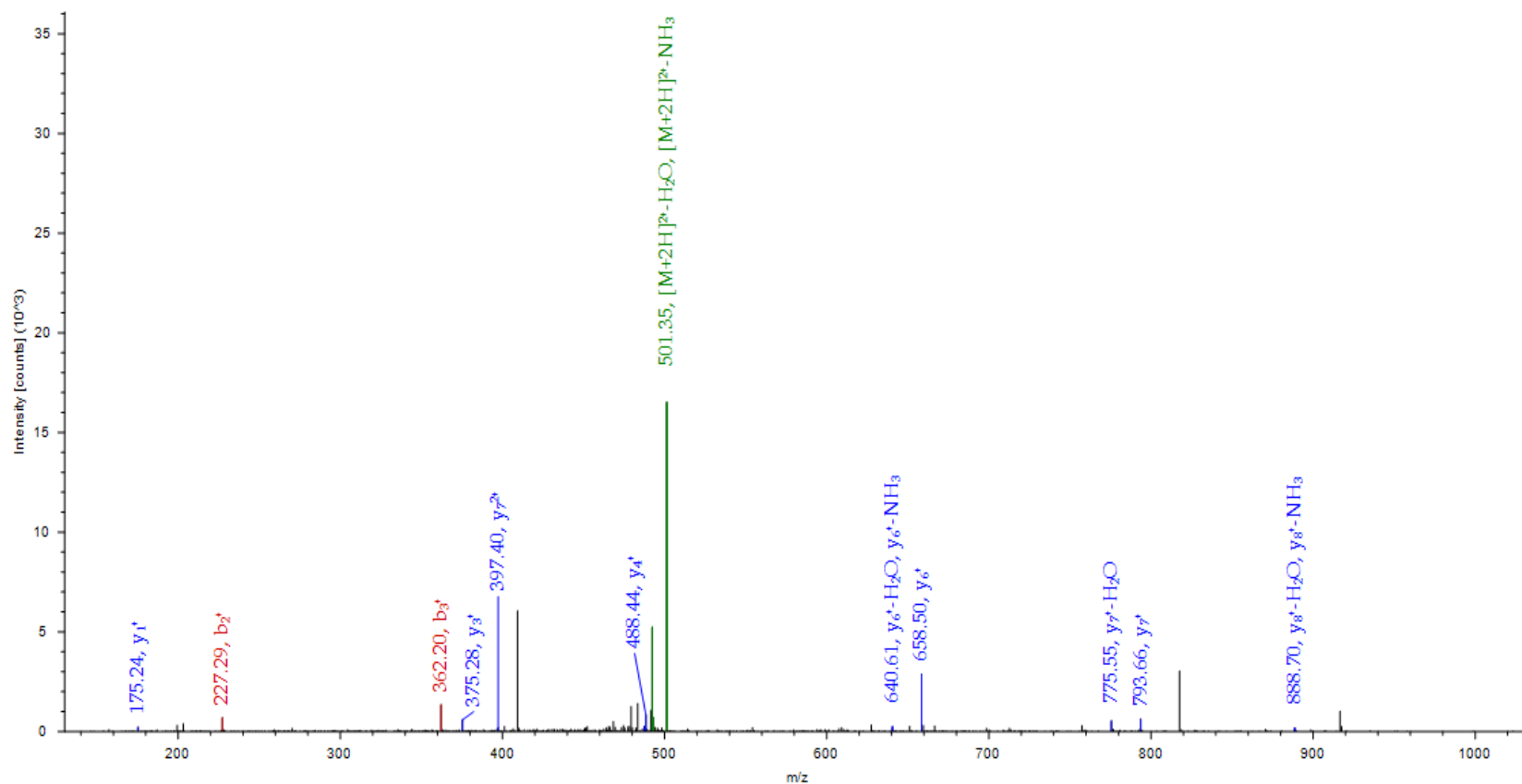


LGLALNFSVFYYEILNNPELACTLAK_C22_ SO2H



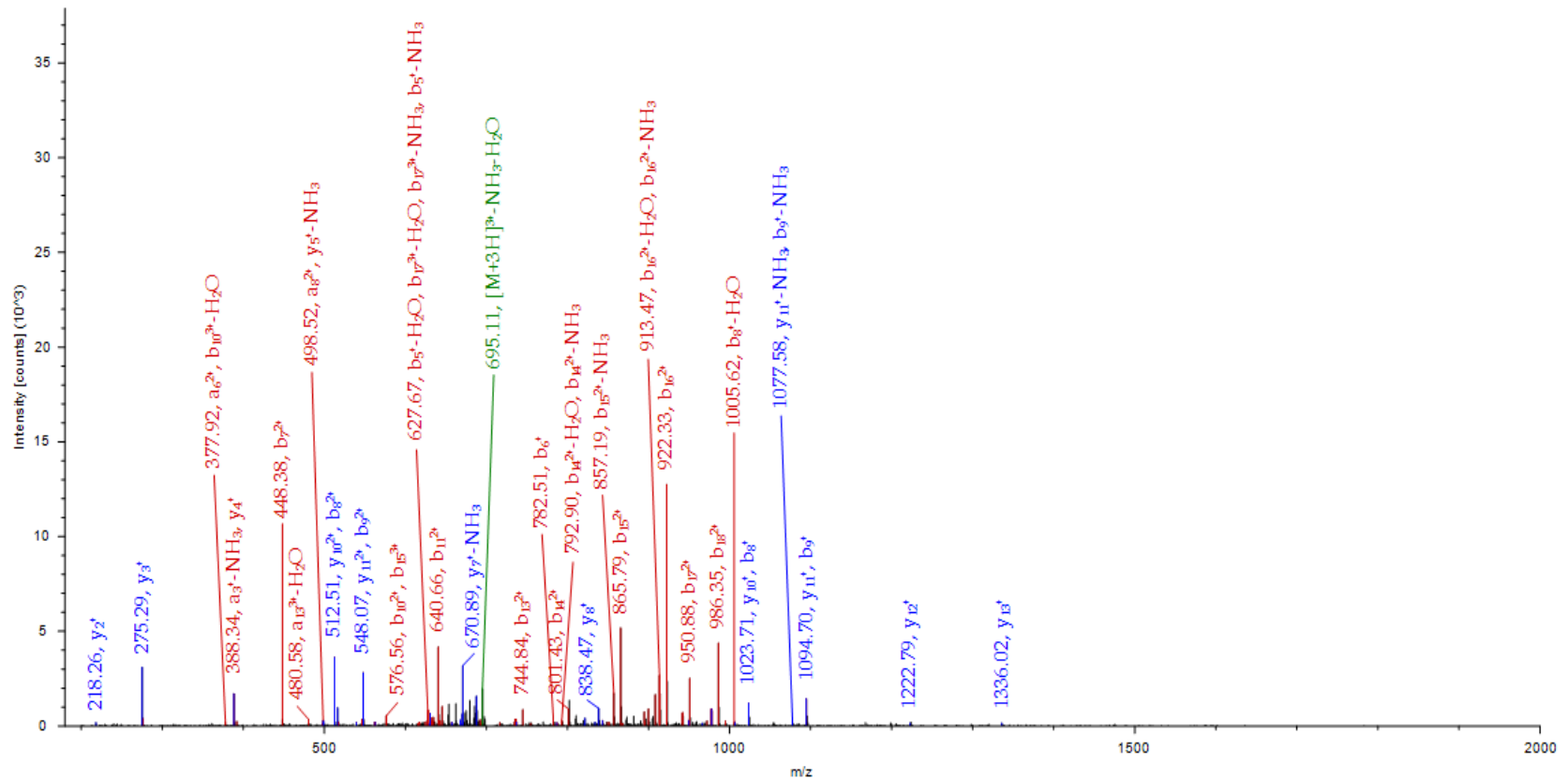
LLCGLLAER_C3_SO2H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMs_051613.raw #24635 RT: 81.23
ITMS, CID@35.00, z=+2, Mono m/z=510.28183 Da, MH+=1019.55638 Da, Match Tol.=0.8 Da

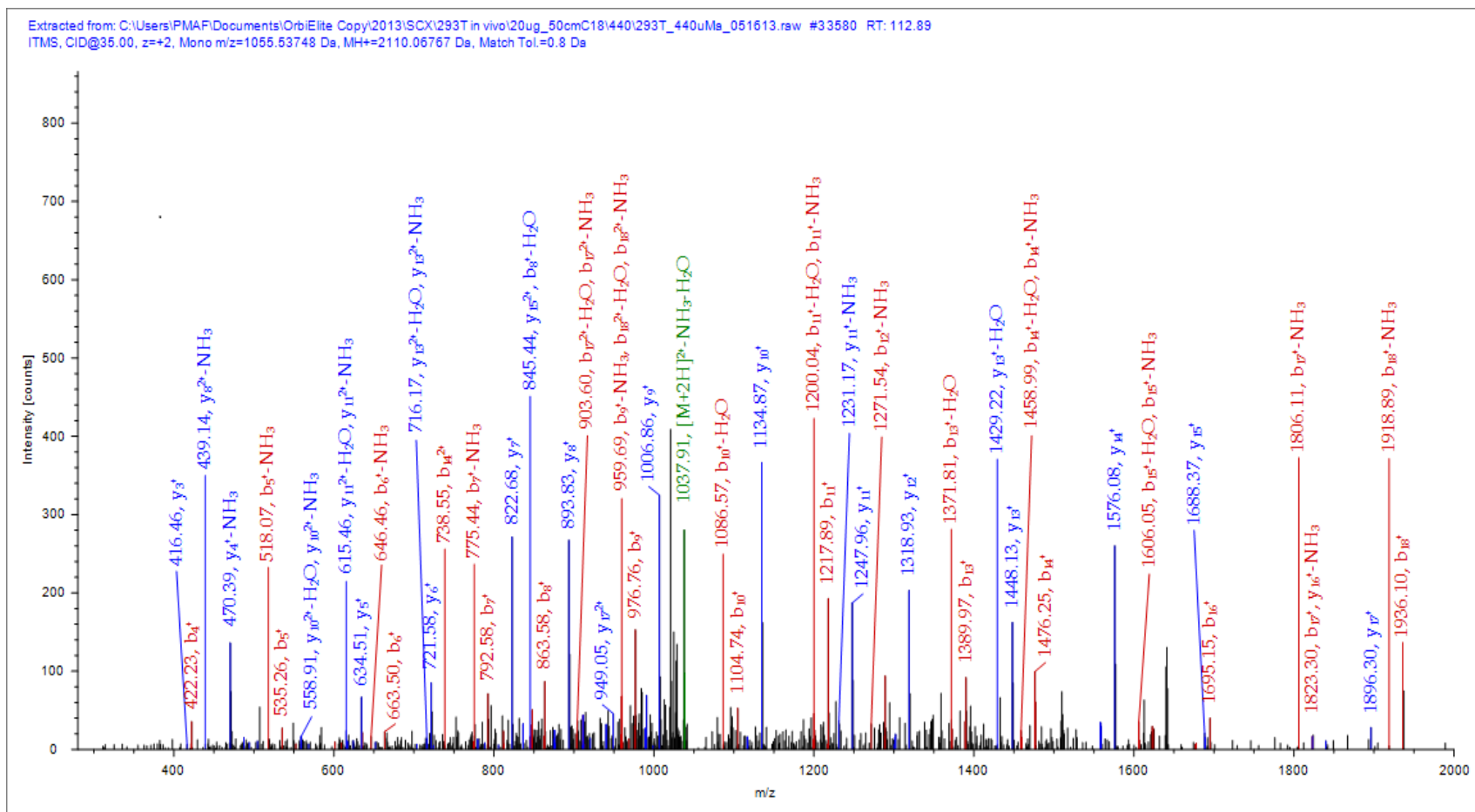


MREIVHIQAGQCGNQIGAK_C12_SO3H

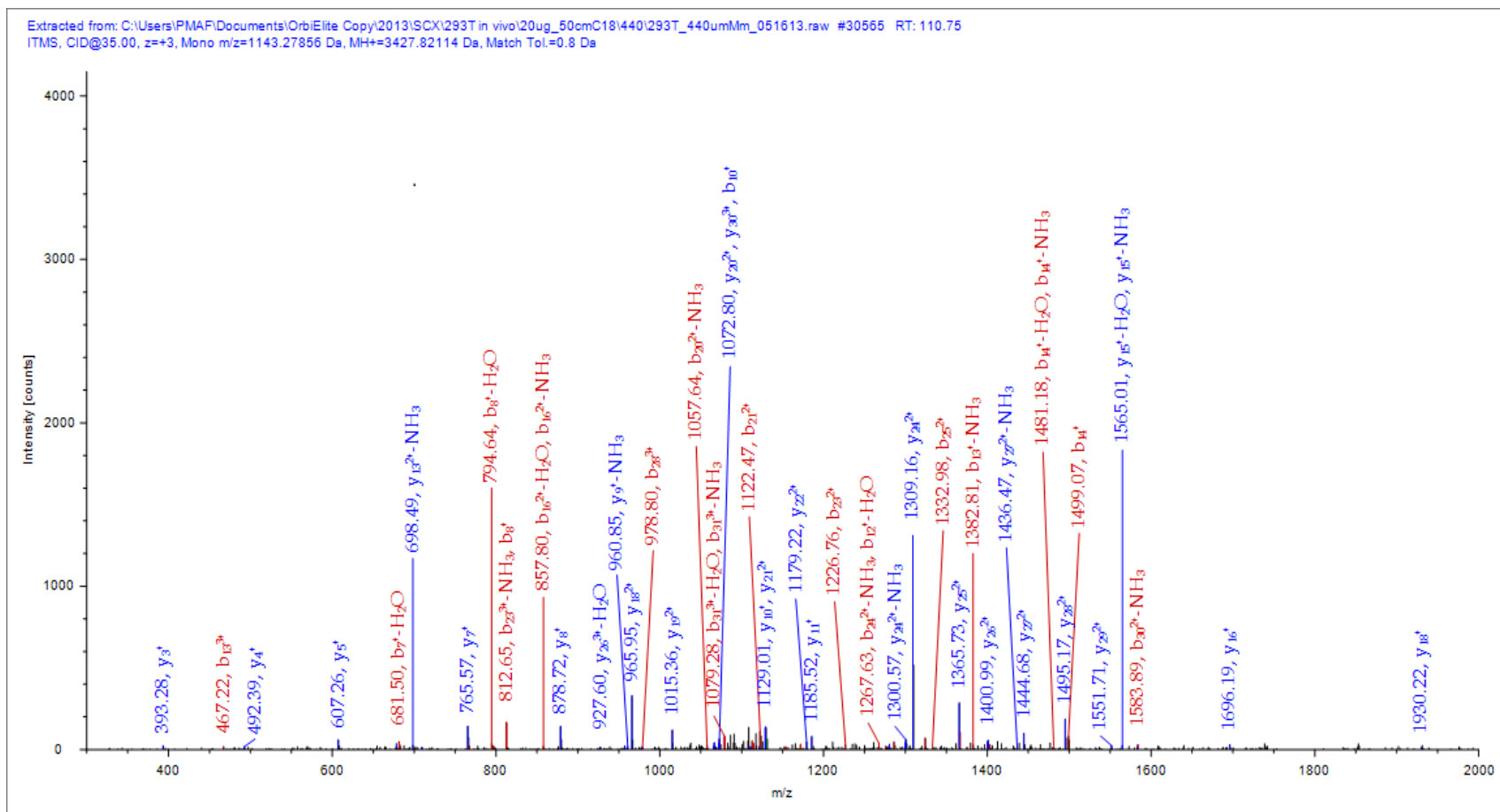
Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMa_051613.raw #6700 RT: 33.86
ITMS, CID@35.00, z=+3, Mono m/z=706.34766 Da, MH+=2117.02842 Da, Match Tol.=0.8 Da



NVGCLQEALQLATSFAQLR_C4_SO3H



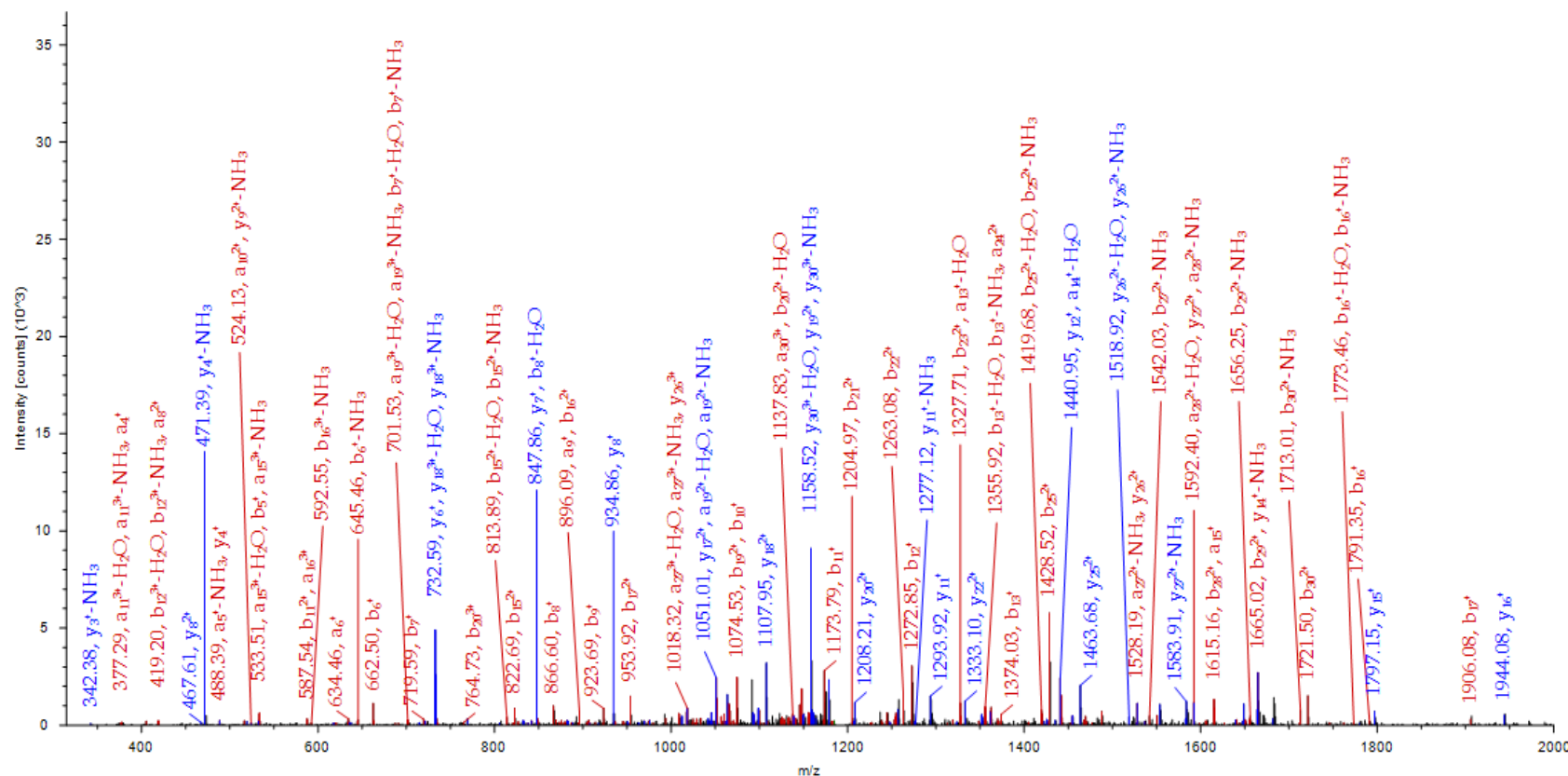
NVLITSALPYVNNVPHLGNIIGCVLSADV AR_C23_SO3H



PGHLQEGFGCVVTNRFDQLFDDSDPFEV

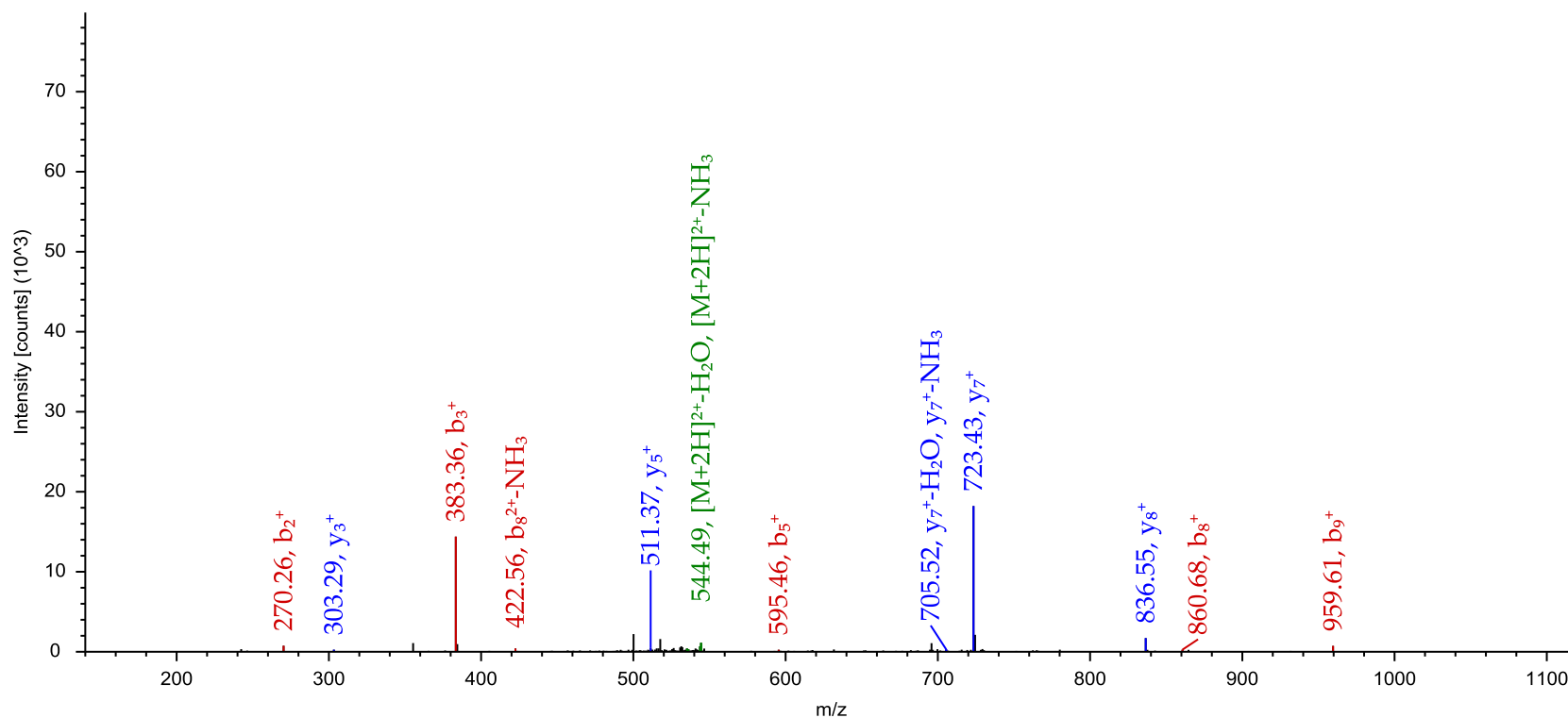
LK_C10_SO3H

Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\2013\SCX\1293T in vivo\20ug_50cmC18\440\1293T_440uMa_051613.raw #30943 RT: 101.58
ITMS, CID@35.00, z=+3, Mono m/z=1196.22180 Da, MH++=3586.65085 Da, Match Tol.=0.8 Da



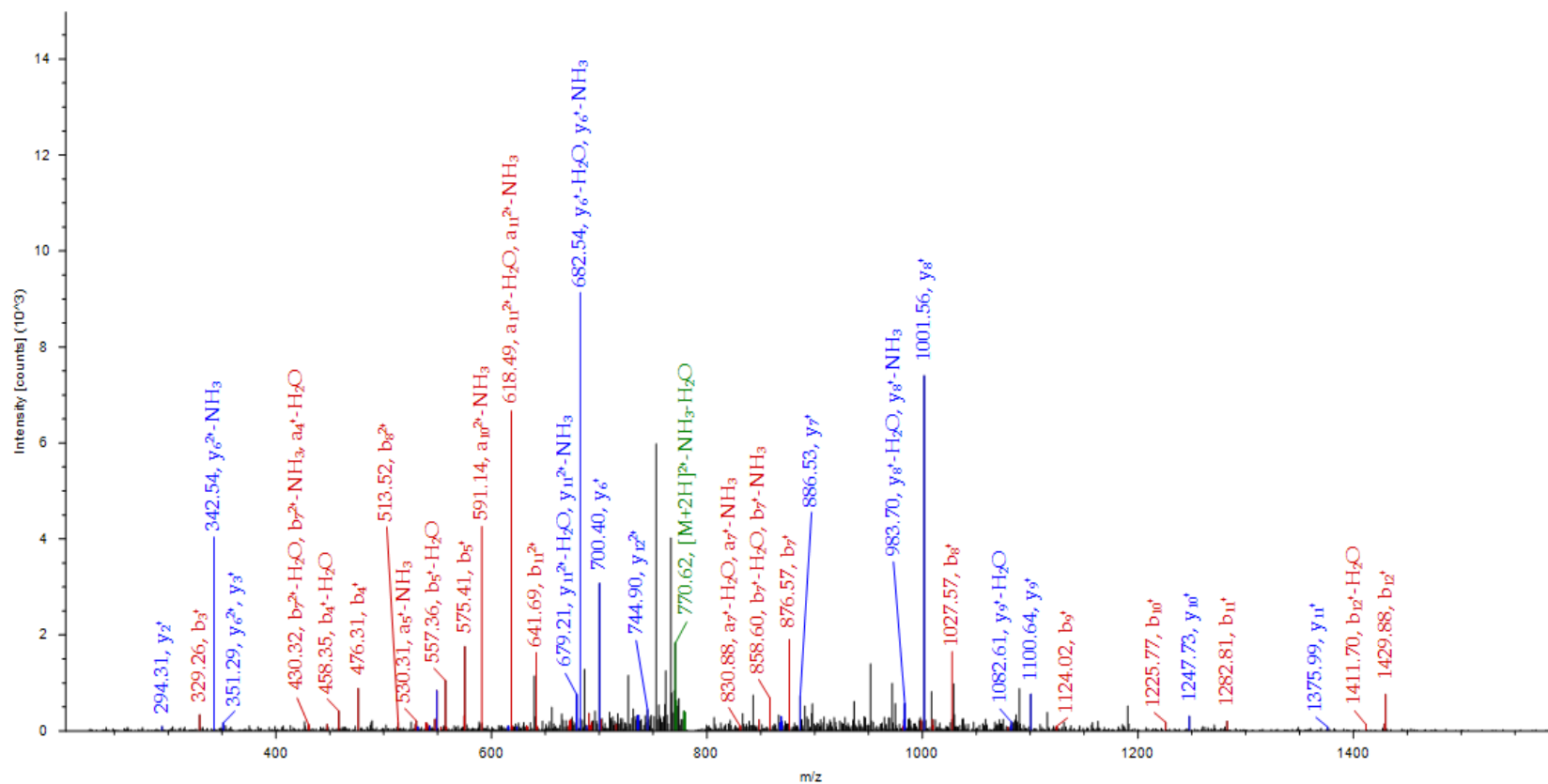
RLIPDGCGRVK C7 S03H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #7543 RT: 35.15
ITMS, CID@35.00, z=+2, Mono m/z=553.28784 Da, MH+=1105.56841 Da, Match Tol.=0.8 Da



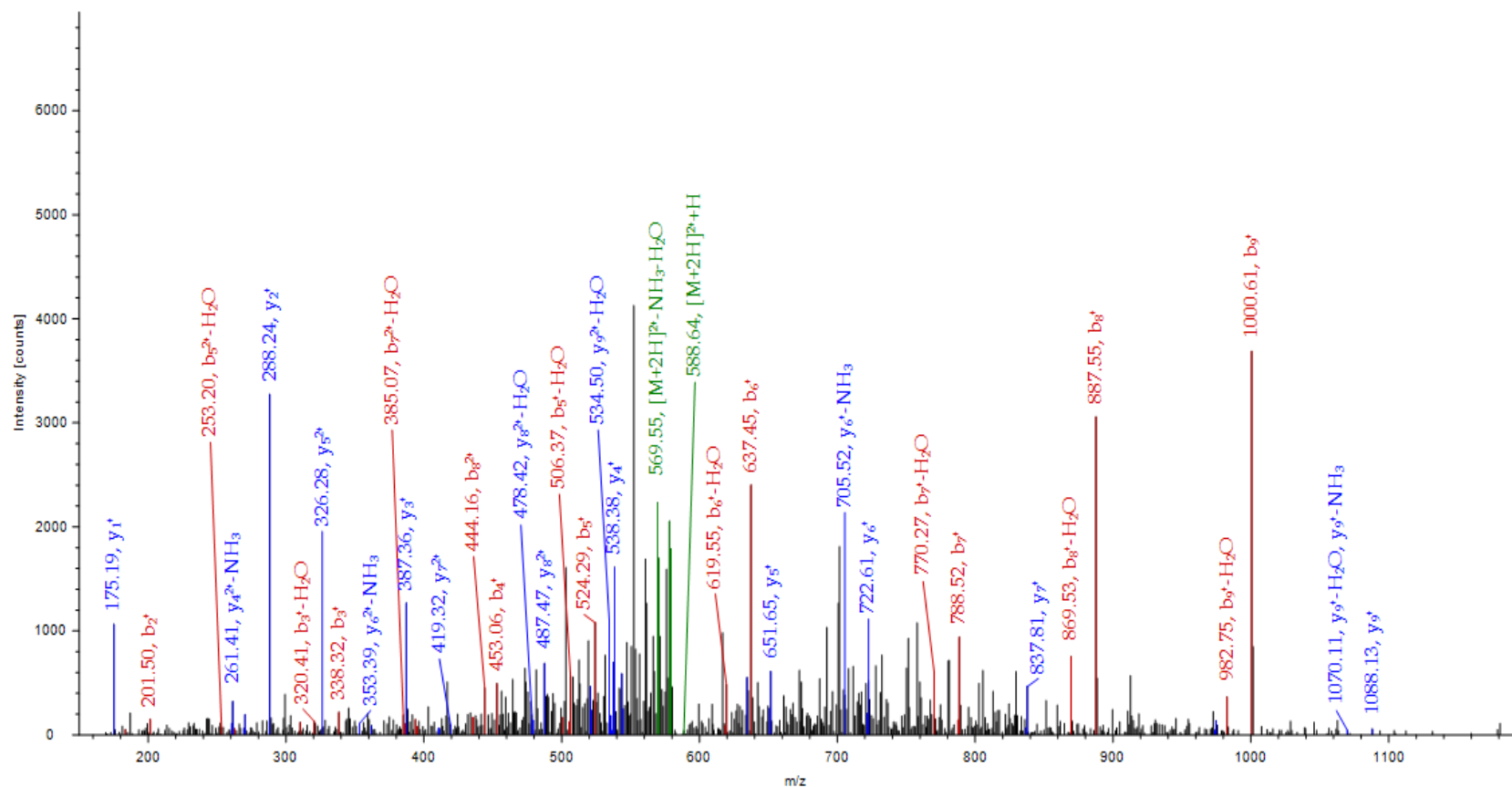
SIQFVDWCPTGFK_C8_SO3H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMs_051613.raw #25597 RT: 84.16
ITMS, CID@35.00, z=+2, Mono m/z=788.36200 Da, MH+=1575.71672 Da, Match Tol.=0.8 Da



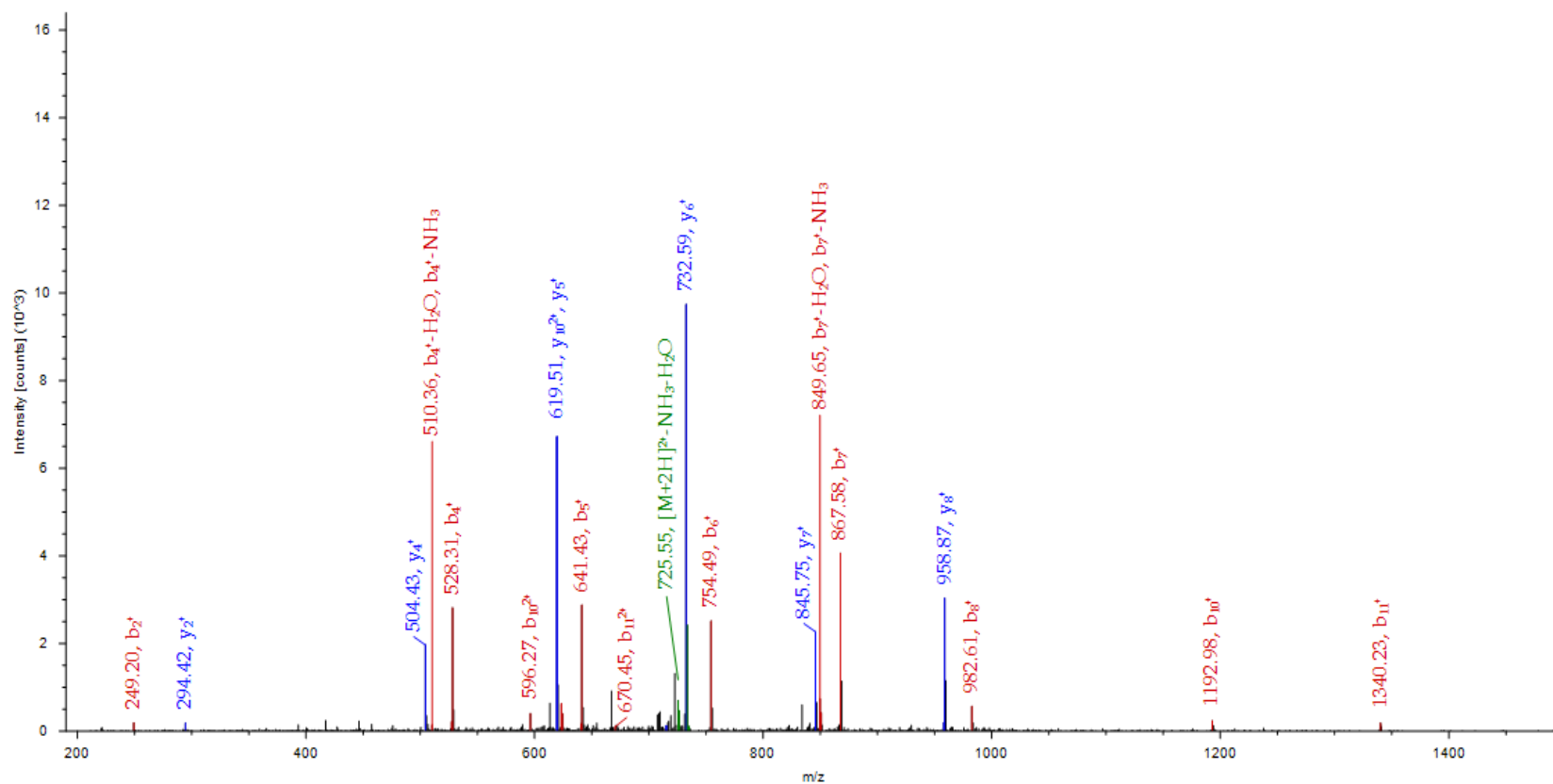
SLHDALCVIR_C7_SO3H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMs_051613.raw #16316 RT: 58.75
ITMS, CID@35.00, z=+2, Mono m/z=587.79803 Da, MH+=1174.58879 Da, Match Tol.=0.8 Da

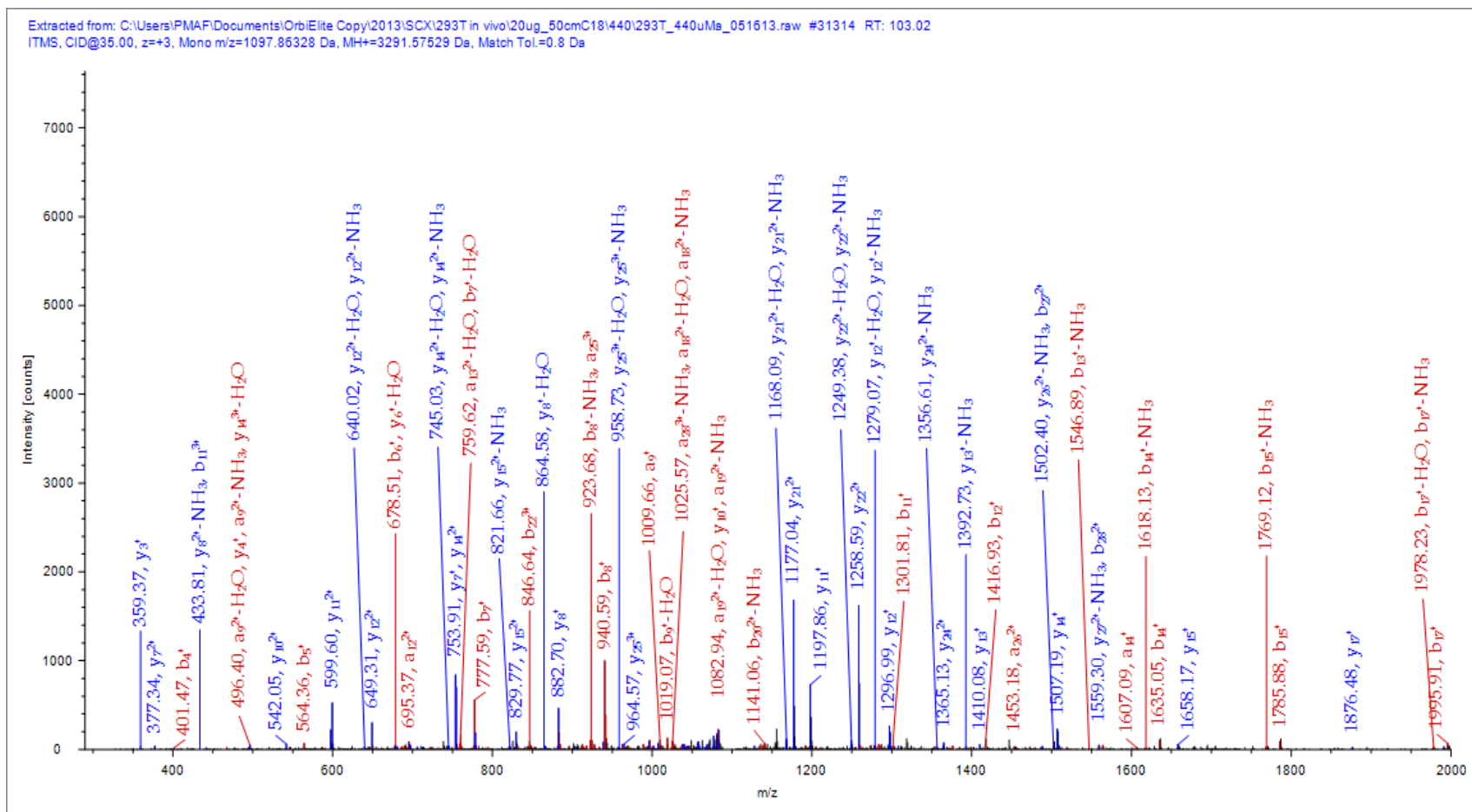


TFCQLILDPIFK_C3_SO3H

Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMs_051613.raw #30390 RT: 99.49
ITMS, CID@35.00, z=+2, Mono m/z=743.39026 Da, MH+=1485.77324 Da, Match Tol.=0.8 Da

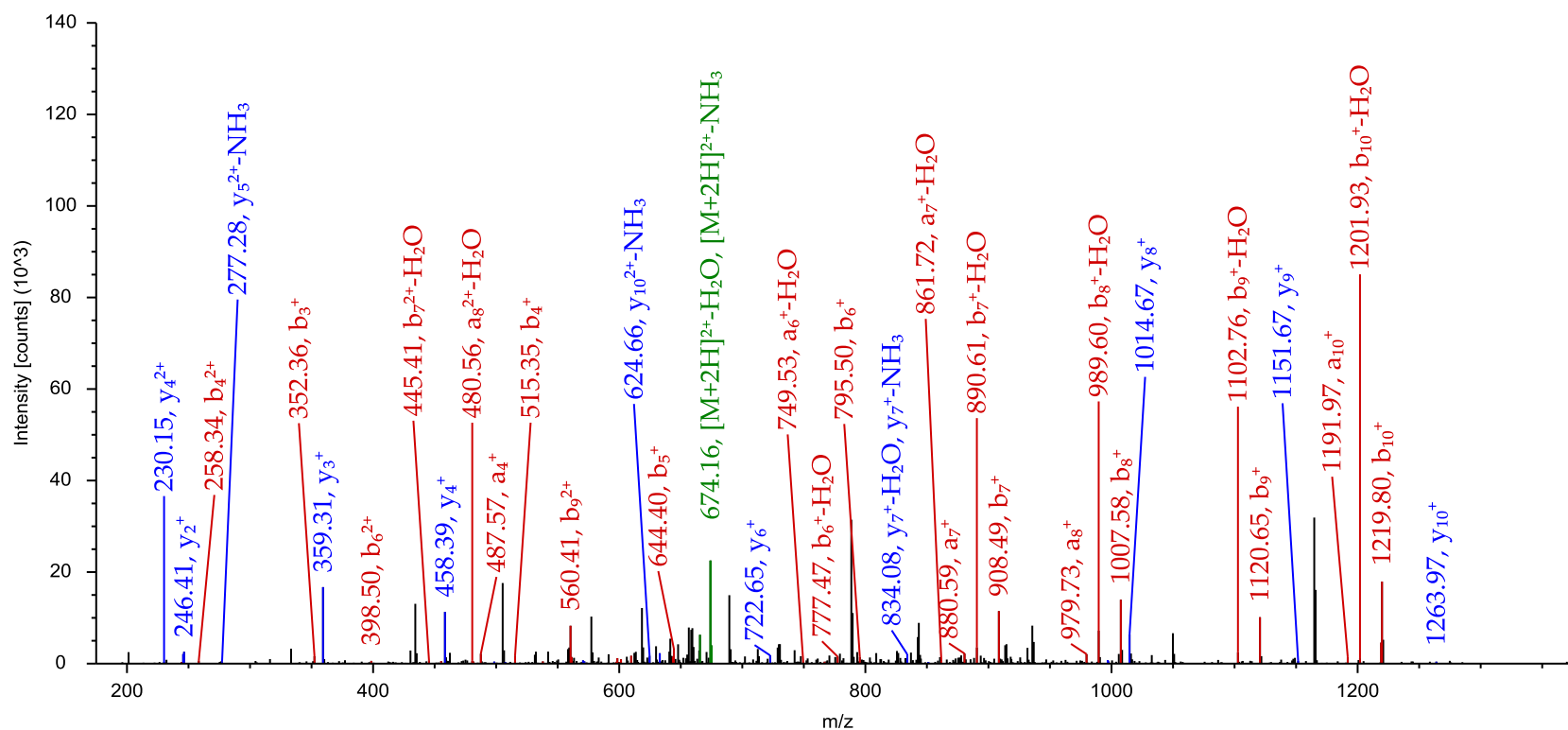


TGNKYNVPTYDFACPIVDSIEGVTHALR_ C15_SO3H

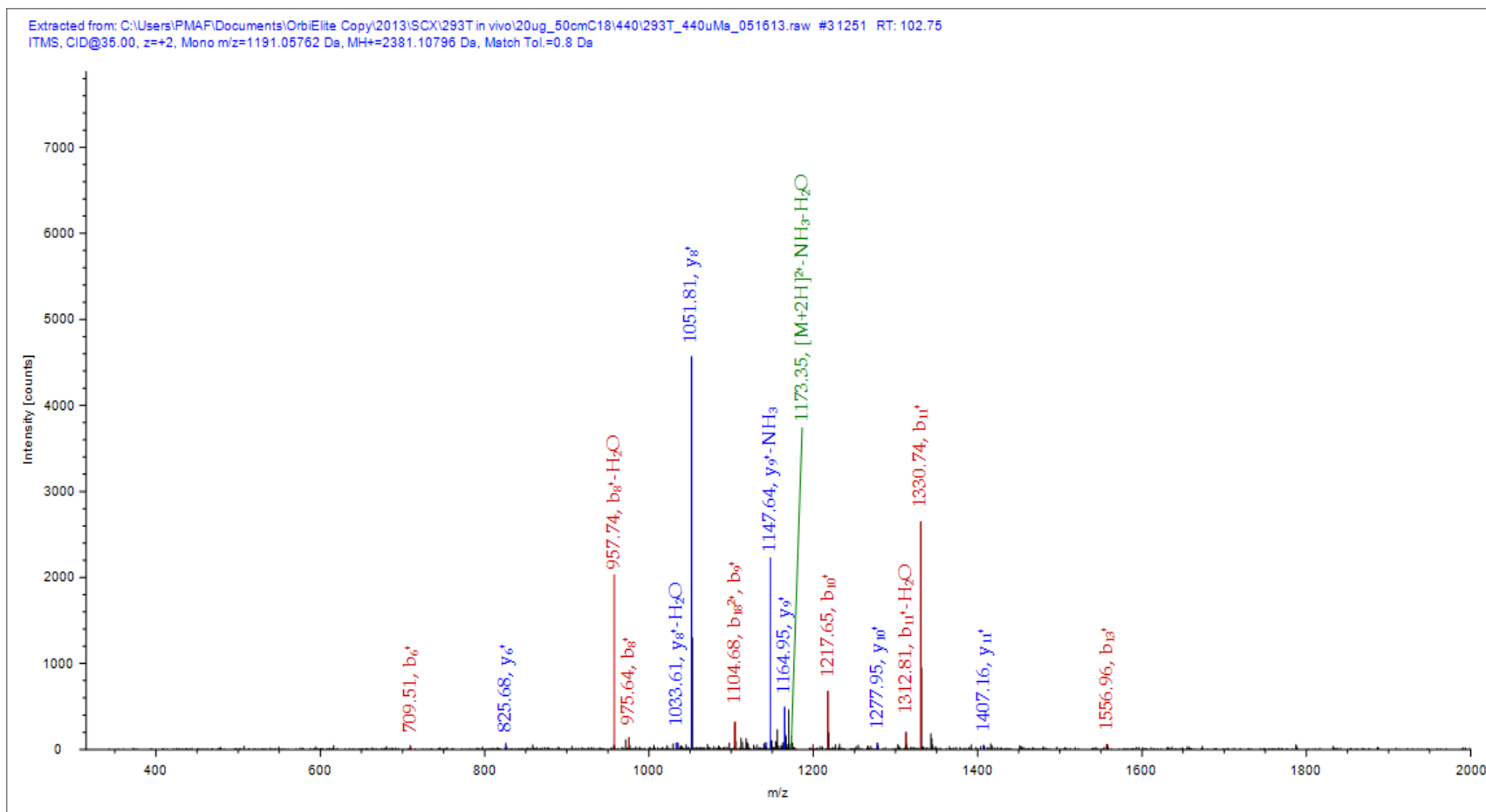


TLHYECIVLVK C6 SO3H

Extracted from: C:\Users\PMAF\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440uMa_051613.raw #18844 RT: 65.34
ITMS, CID@35.00, z=+2, Mono m/z=683.35809 Da, MH+=1365.70891 Da, Match Tol.=0.8 Da



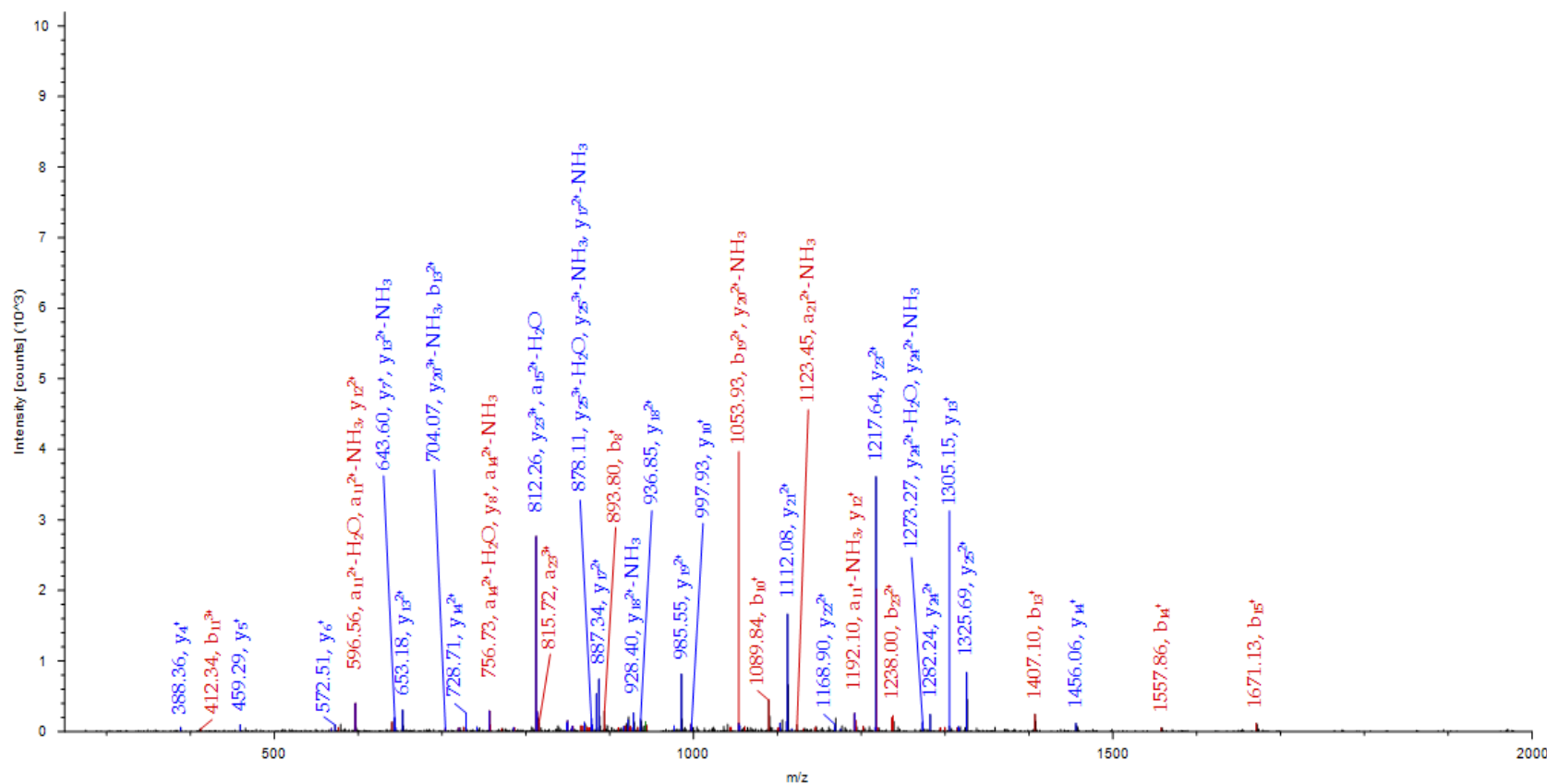
VFIMDSCDELIPEYLNfir_C7_SO3H



VLSEPNRPVFGICLGHQLLALAIGAK_C1

4_SO3H

Extracted from: C:\Users\PMAR\Documents\OrbiElite Copy\2013\SCX\293T in vivo\20ug_50cmC18\440\293T_440umMm_051613.raw #29448 RT: 105.42
TMS, CID@35.00, z=+3, Mono m/z=954.53015 Da, MH+=2861.57590 Da, Match Tol.=0.8 Da



WYHPGCFVK_C6_SO3H

