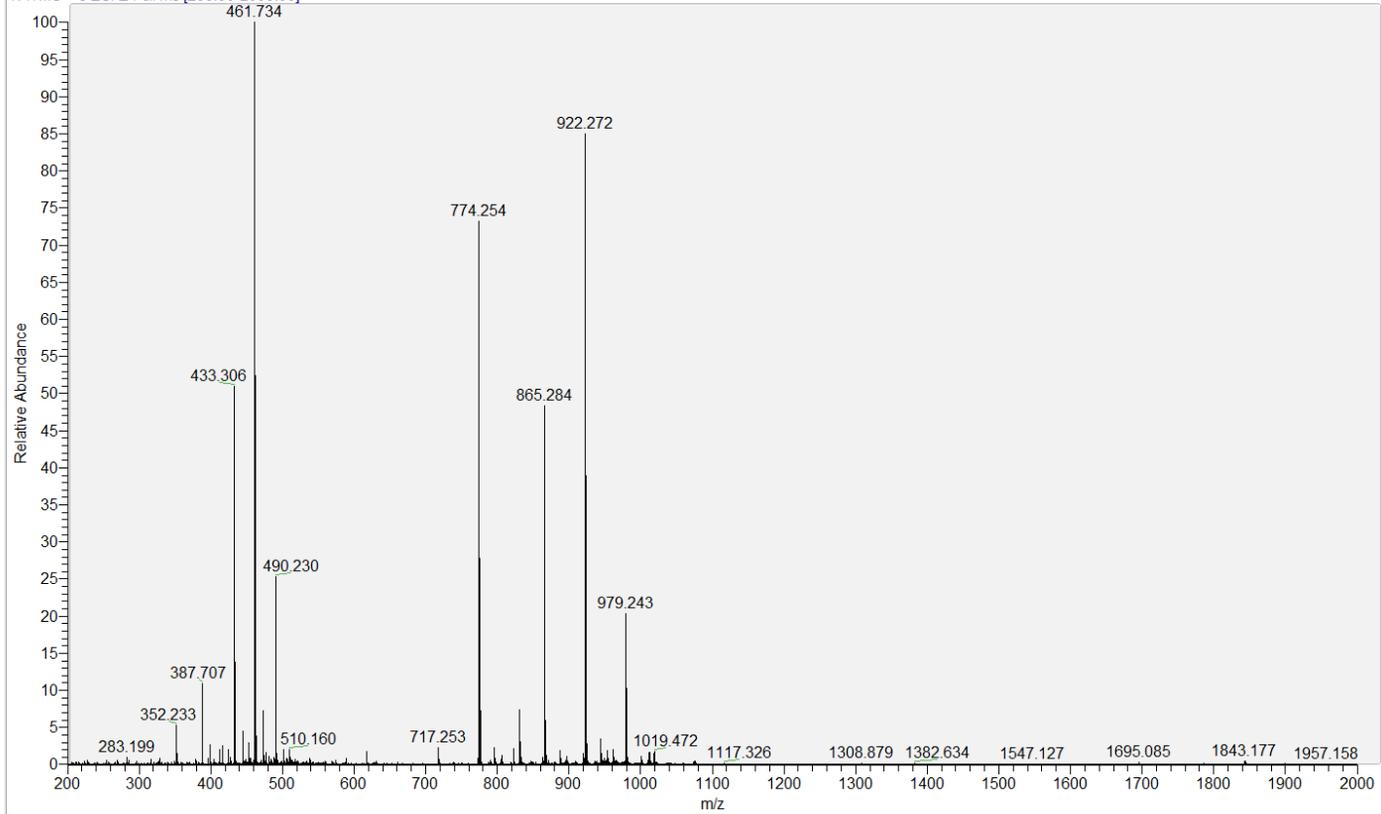


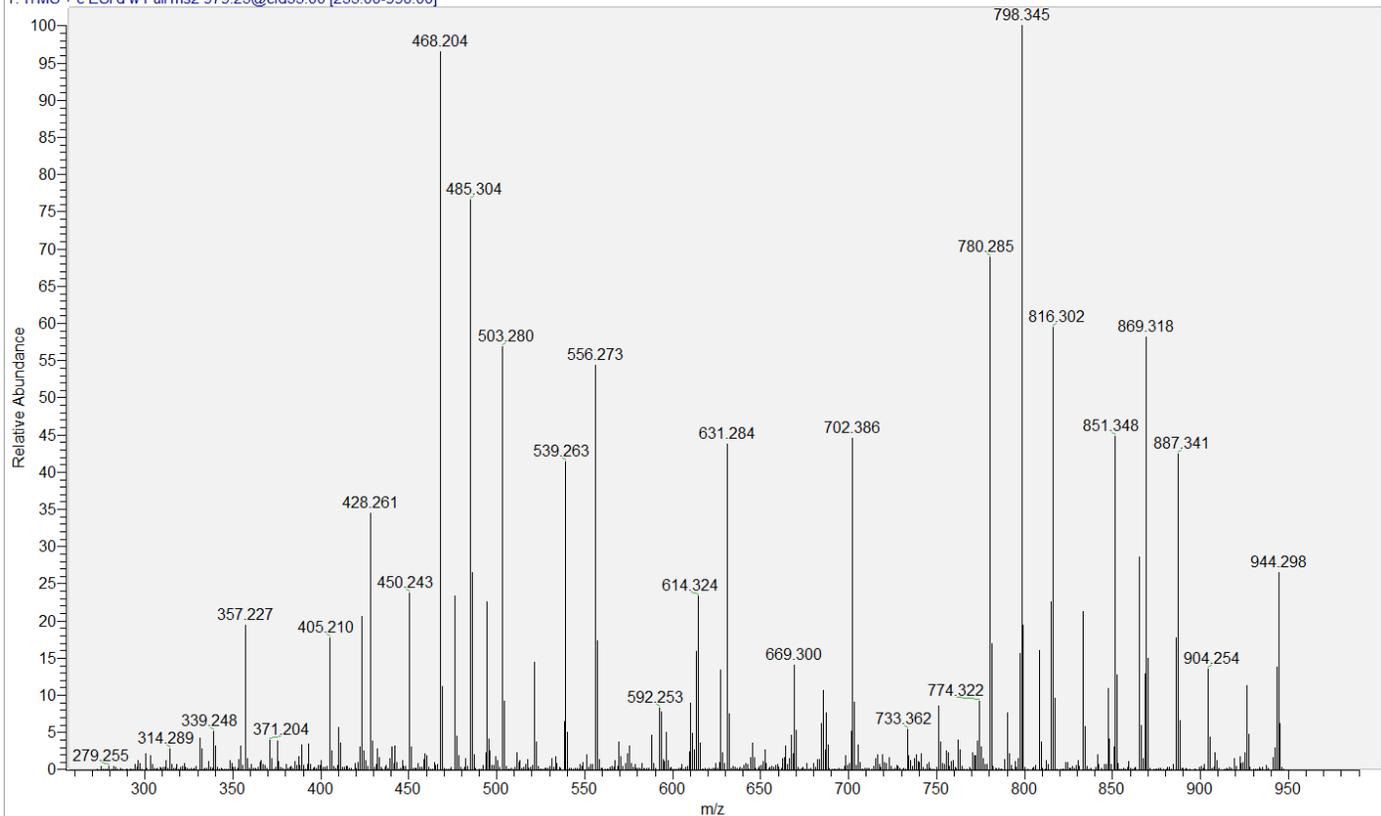
A LC-MS Peak 1

SA_2 #551-728 RT: 17.47-21.68 AV: 60 NL: 2.80E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



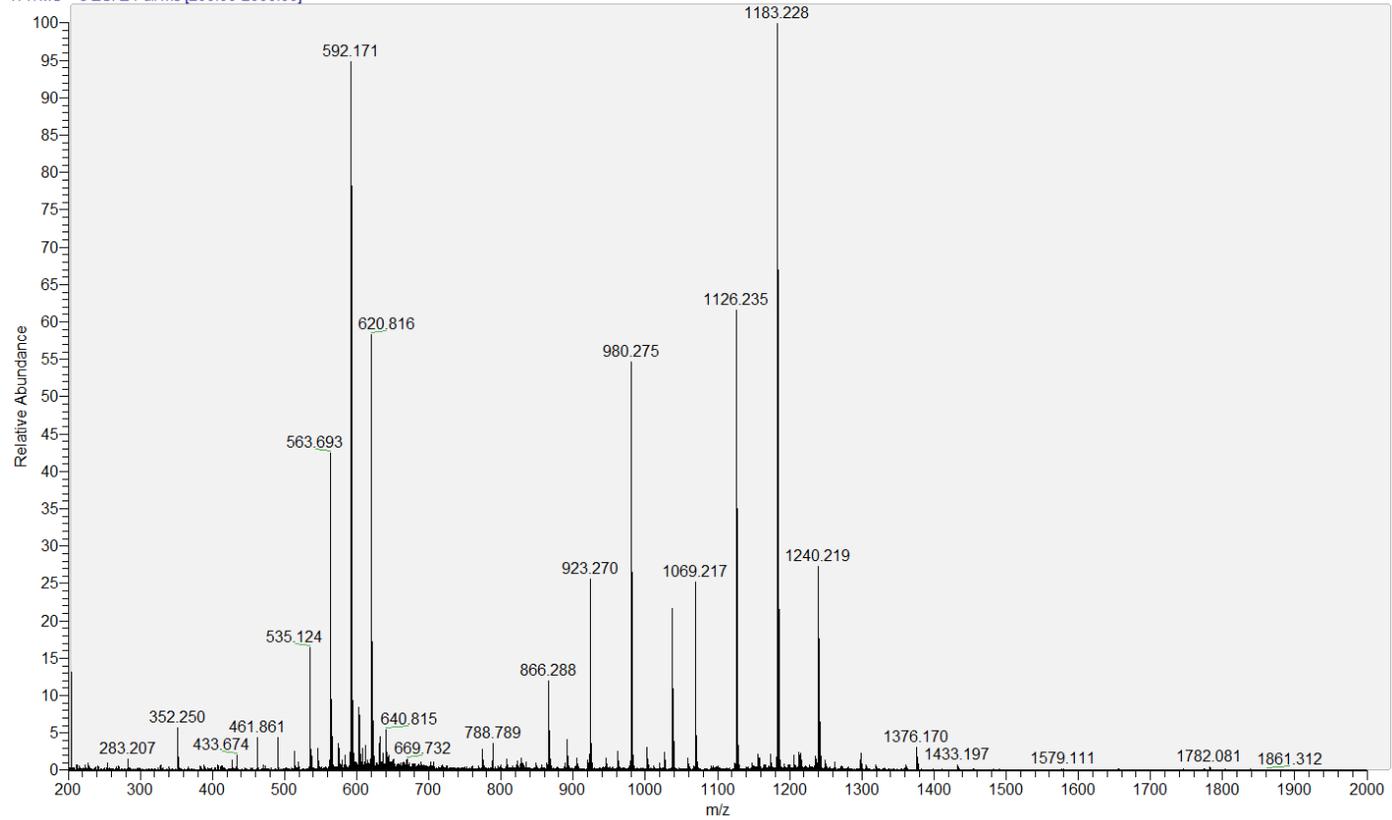
B LC-MS/MS Peak 1

SA_2 #658 RT: 19.92 AV: 1 NL: 4.36E3
T: ITMS + c ESI d w Full ms2 979.25@cid35.00 [255.00-990.00]



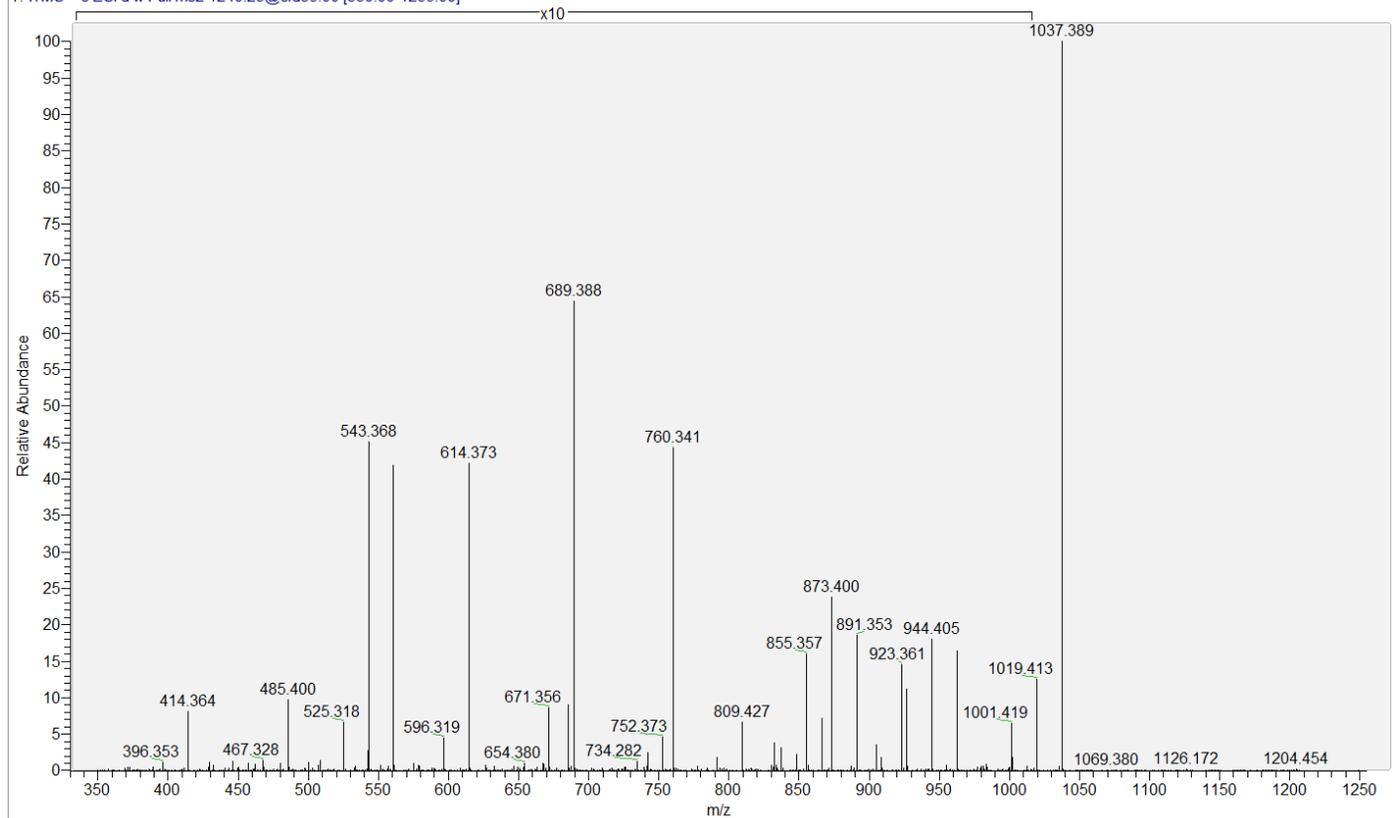
A LC-MS Peak 2

SA_2#751-877 RT: 22.40-25.15 AV: 42 NL: 1.59E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



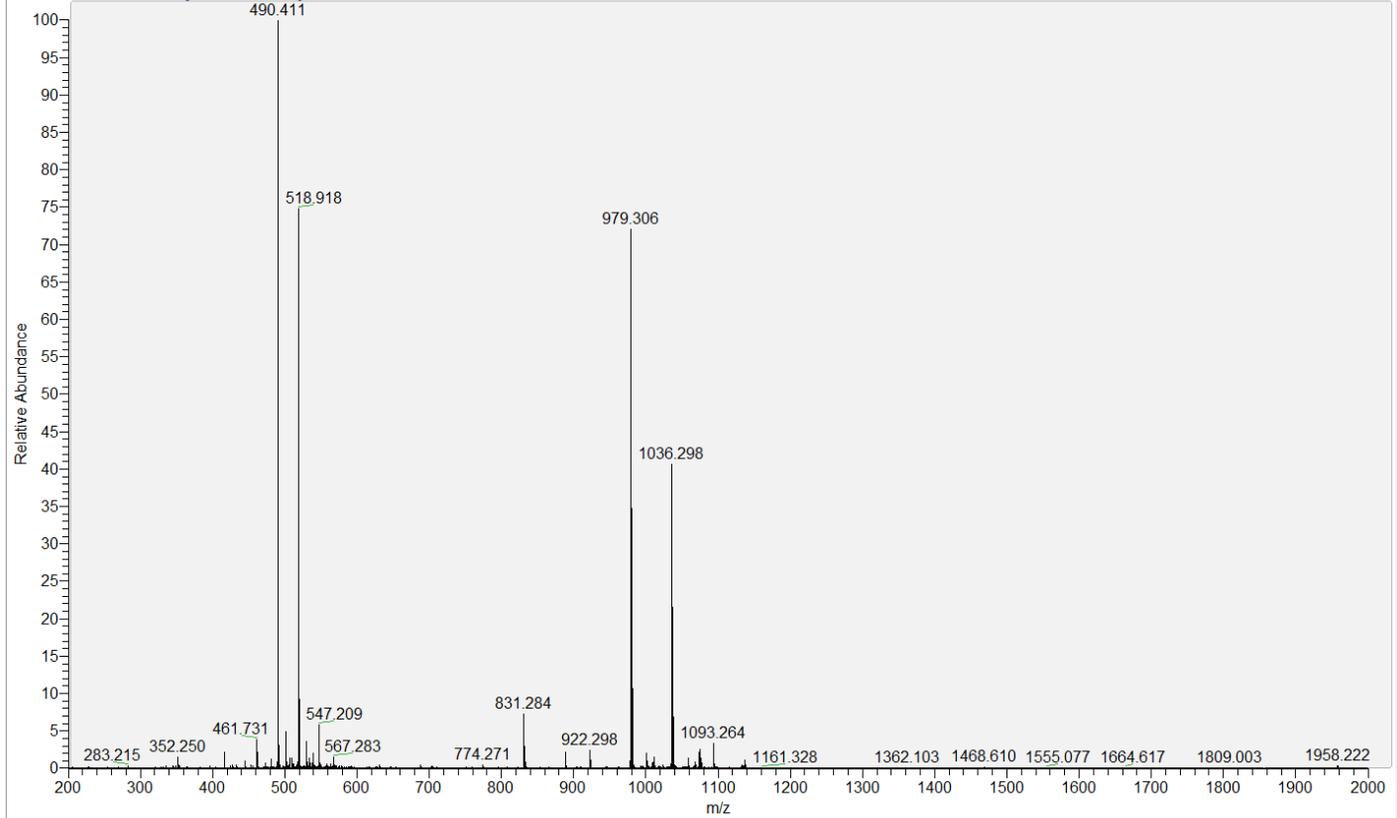
B LC-MS/MS Peak 2

SA_2#832 RT: 24.12 AV: 1 NL: 4.78E4
T: ITMS + c ESI d w Full ms2 1240.25@cid35.00 [330.00-1255.00]



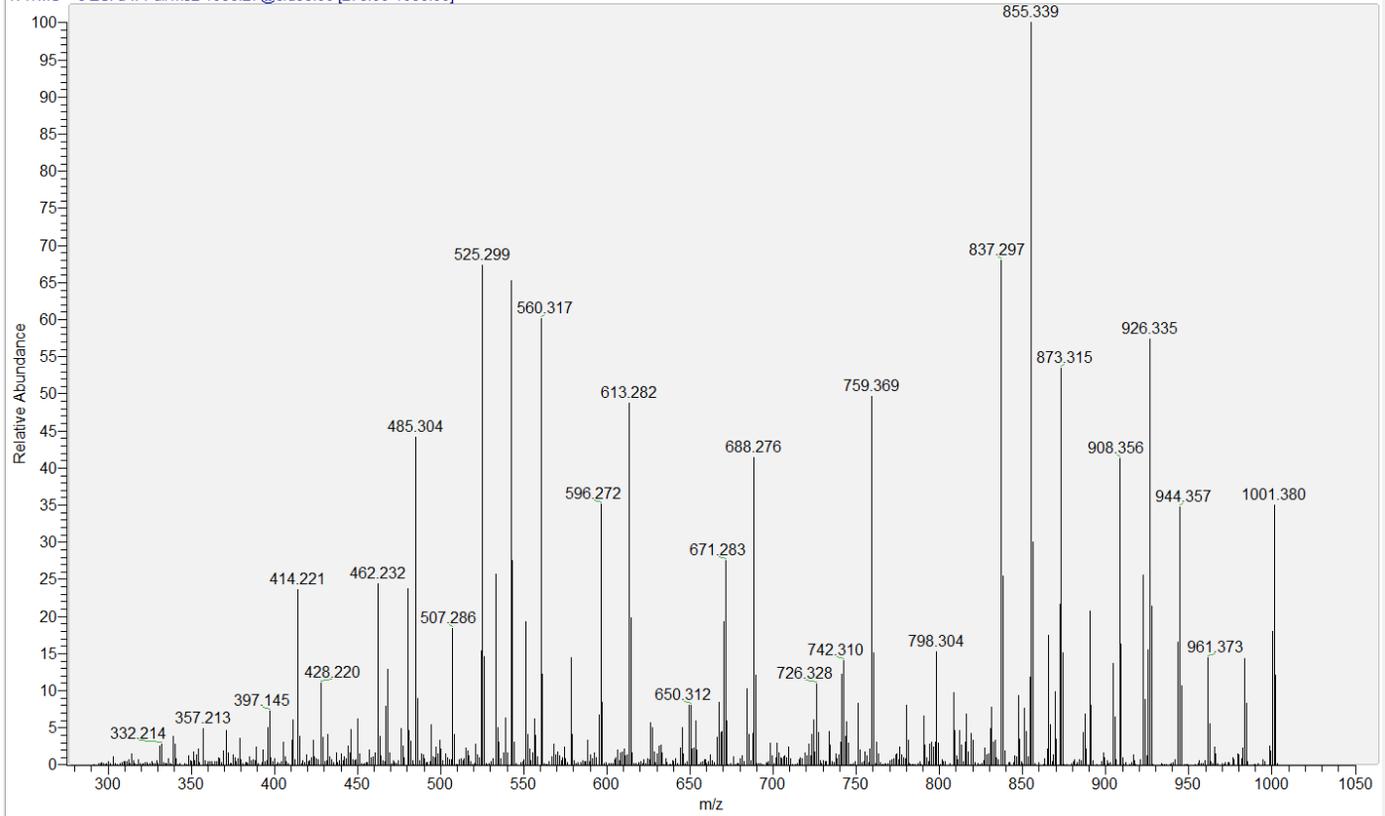
A LC-MS Peak 3

SA_3 #588-761 RT: 18.67-22.66 AV: 58 NL: 8.23E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



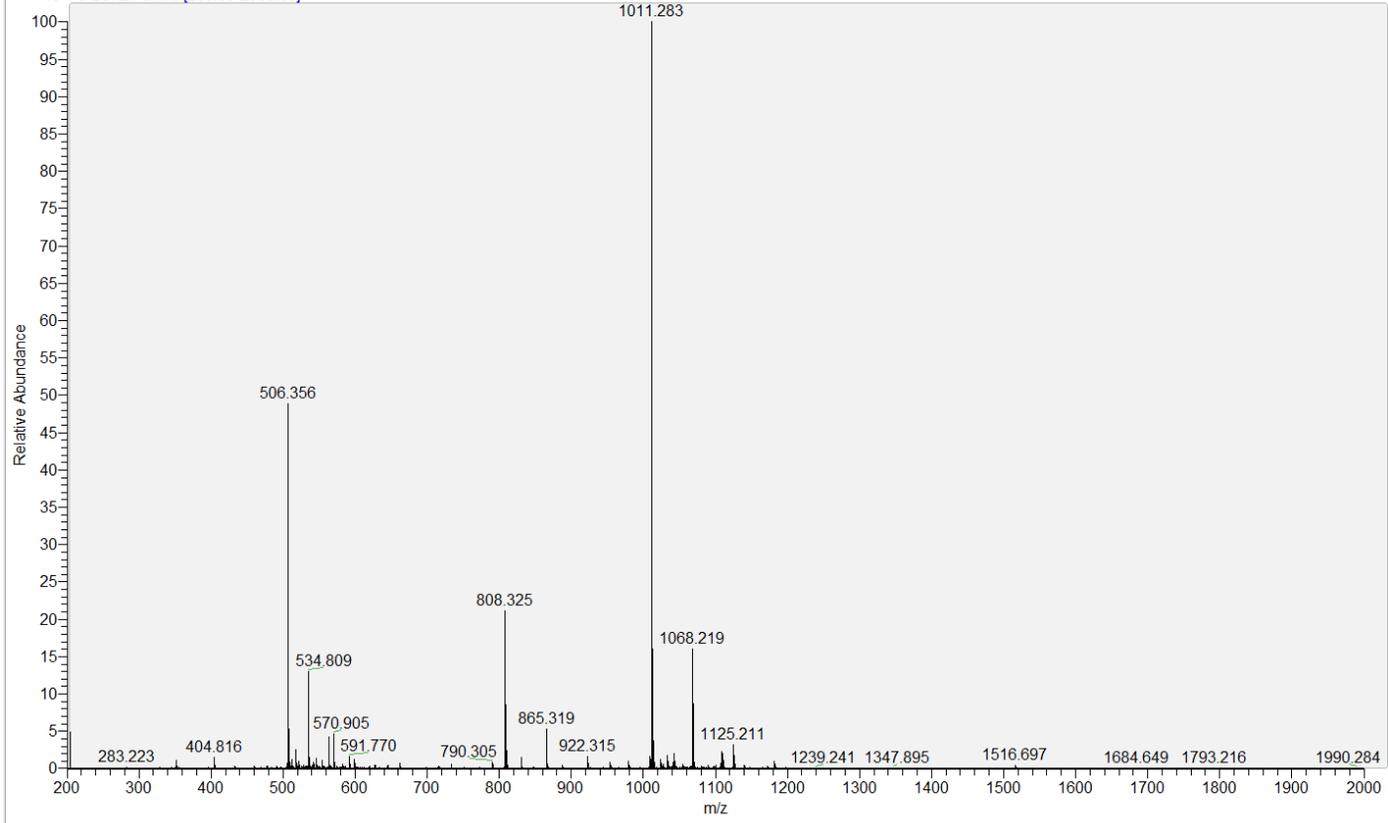
B LC-MS/MS Peak 3

SA_3 #681 RT: 20.75 AV: 1 NL: 2.08E4
T: ITMS + c ESI d w Full ms2 1036.27@cid35.00 [275.00-1050.00]



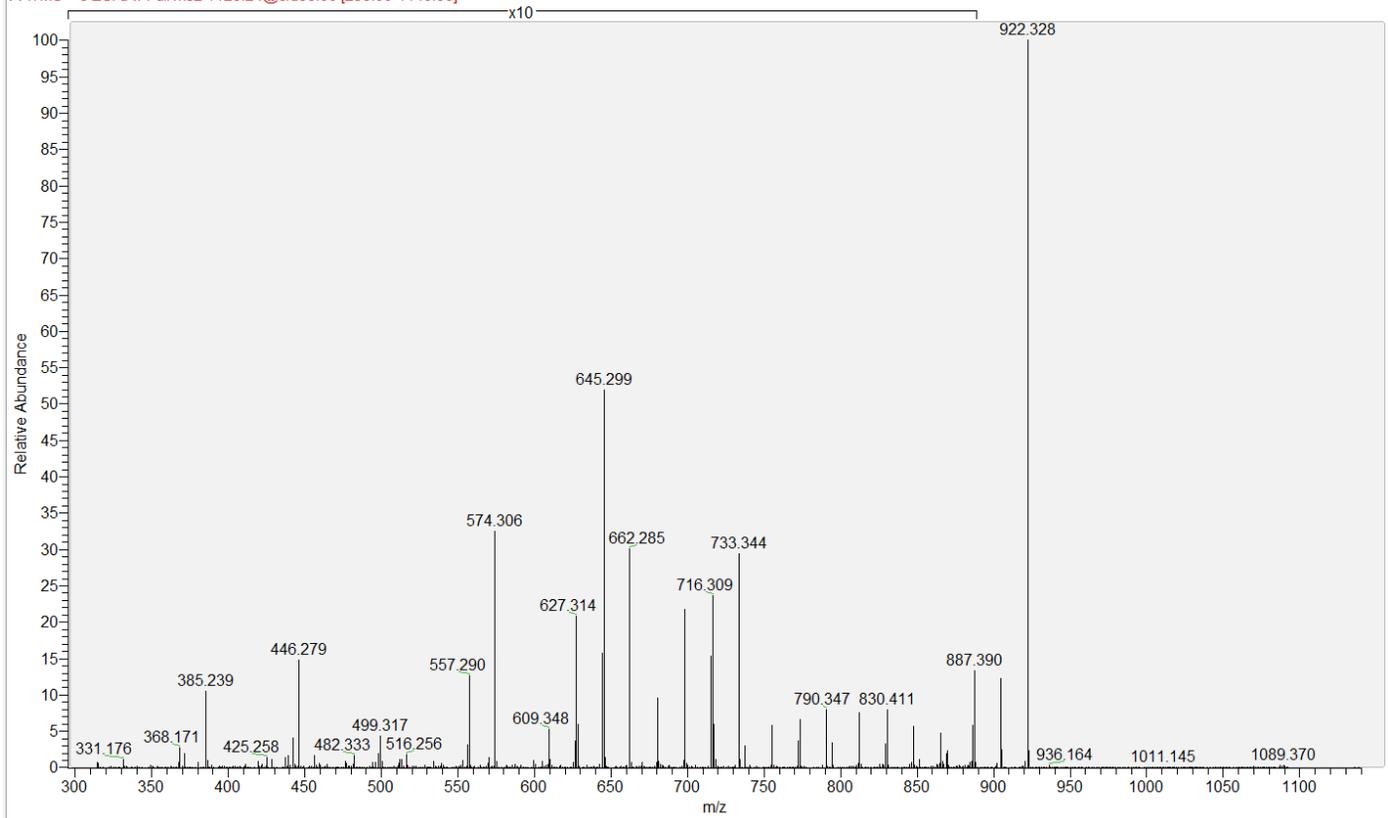
A LC-MS Peak 4

SA_4 #569-765 RT: 18.08-22.30 AV: 66 NL: 1.07E6
T: ITMS + c ESI E Full ms [200.00-2000.00]



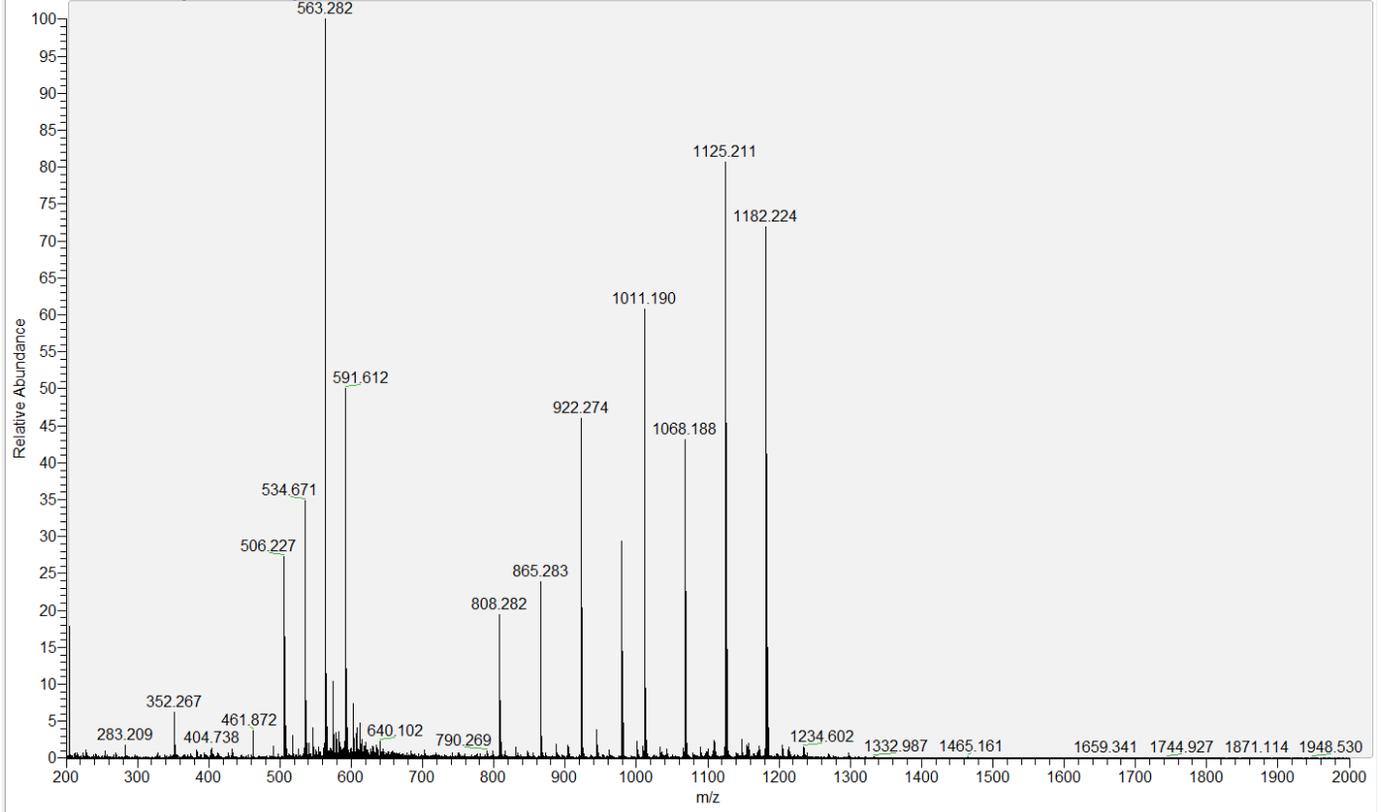
B LC-MS/MS Peak 4

SA_4 #569-765 RT: 21.49-21.54 AV: 2 NL: 3.03E4
F: ITMS + c ESI d w Full ms2 1125.24@cid35.00 [295.00-1140.00]



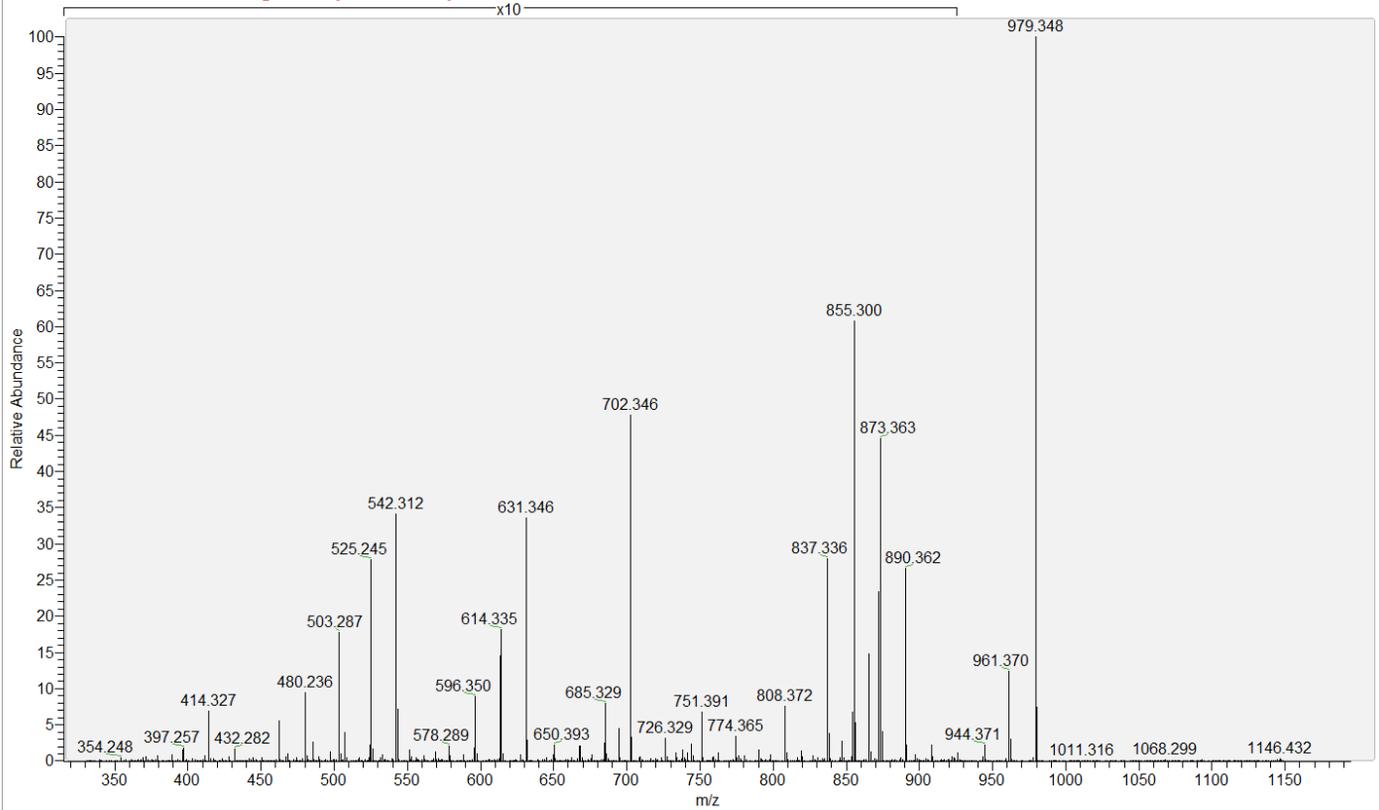
A LC-MS Peak 5

SA_5 #750-815 RT: 23.28-24.70 AV: 22 NL: 1.36E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



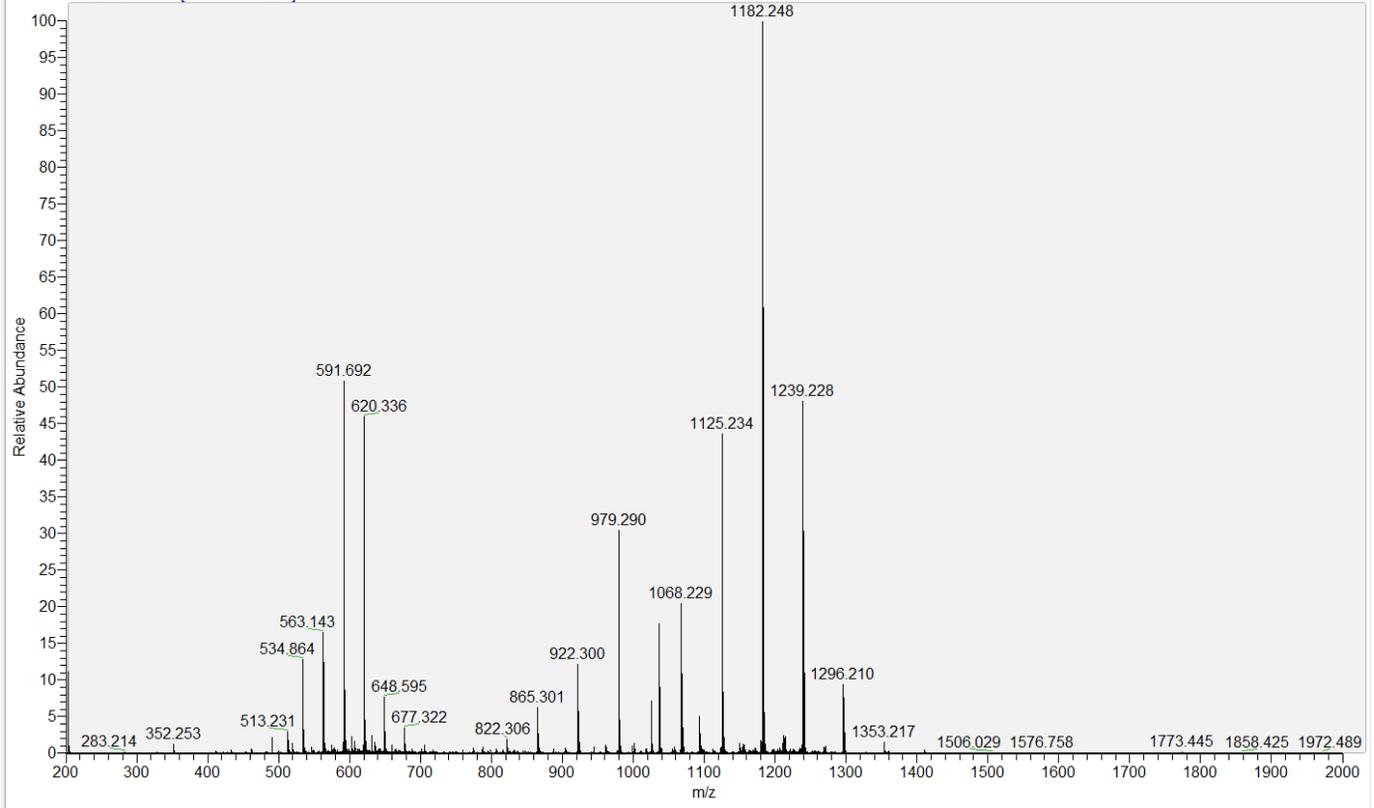
B LC-MS/MS Peak 5

SA_5 #750-815 RT: 24.03-24.09 AV: 2 NL: 3.94E4
F: ITMS + c ESI d w Full ms2 1182.24@cid35.00 [315.00-1195.00]



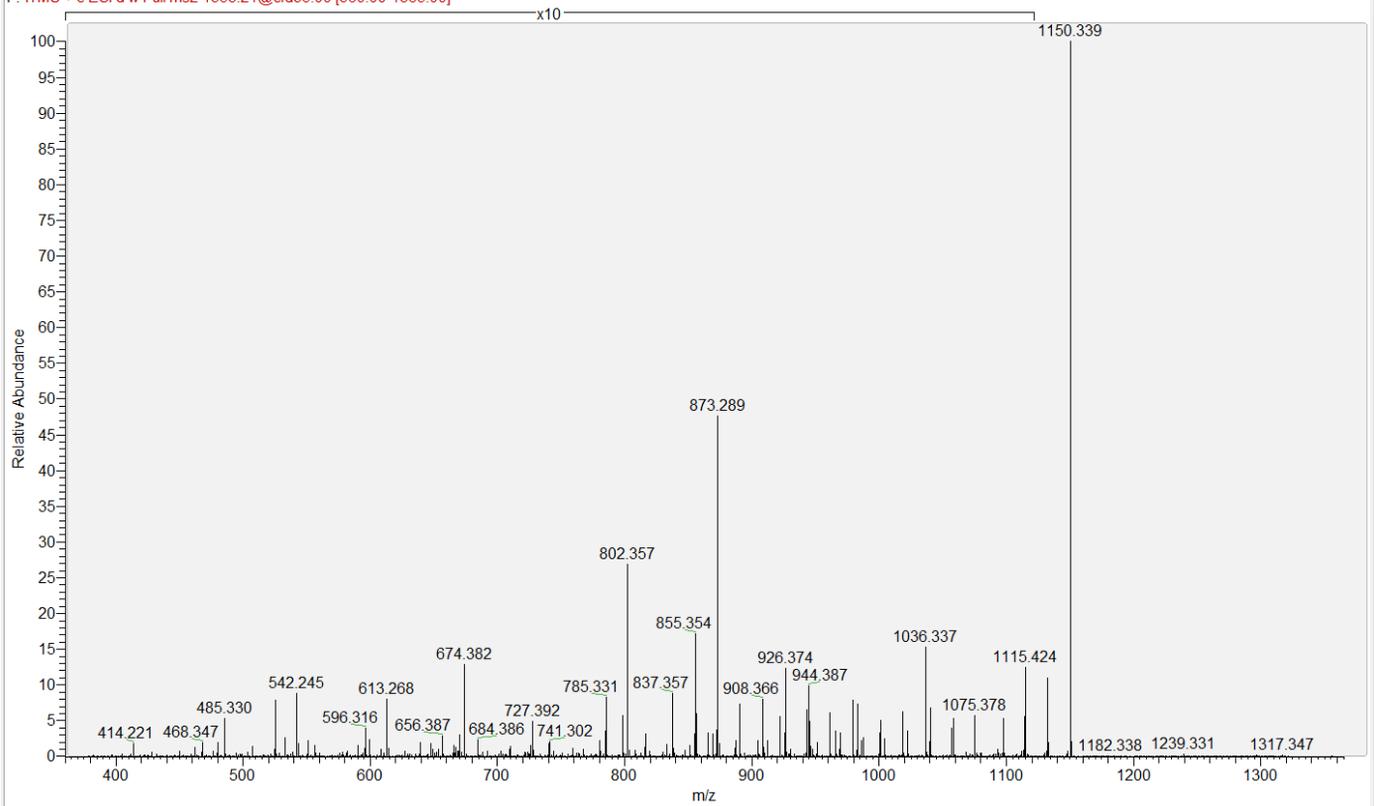
A LC-MS Peak 6

SA_6 #601-903 RT: 19.05-24.95 AV: 101 NL: 8.66E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



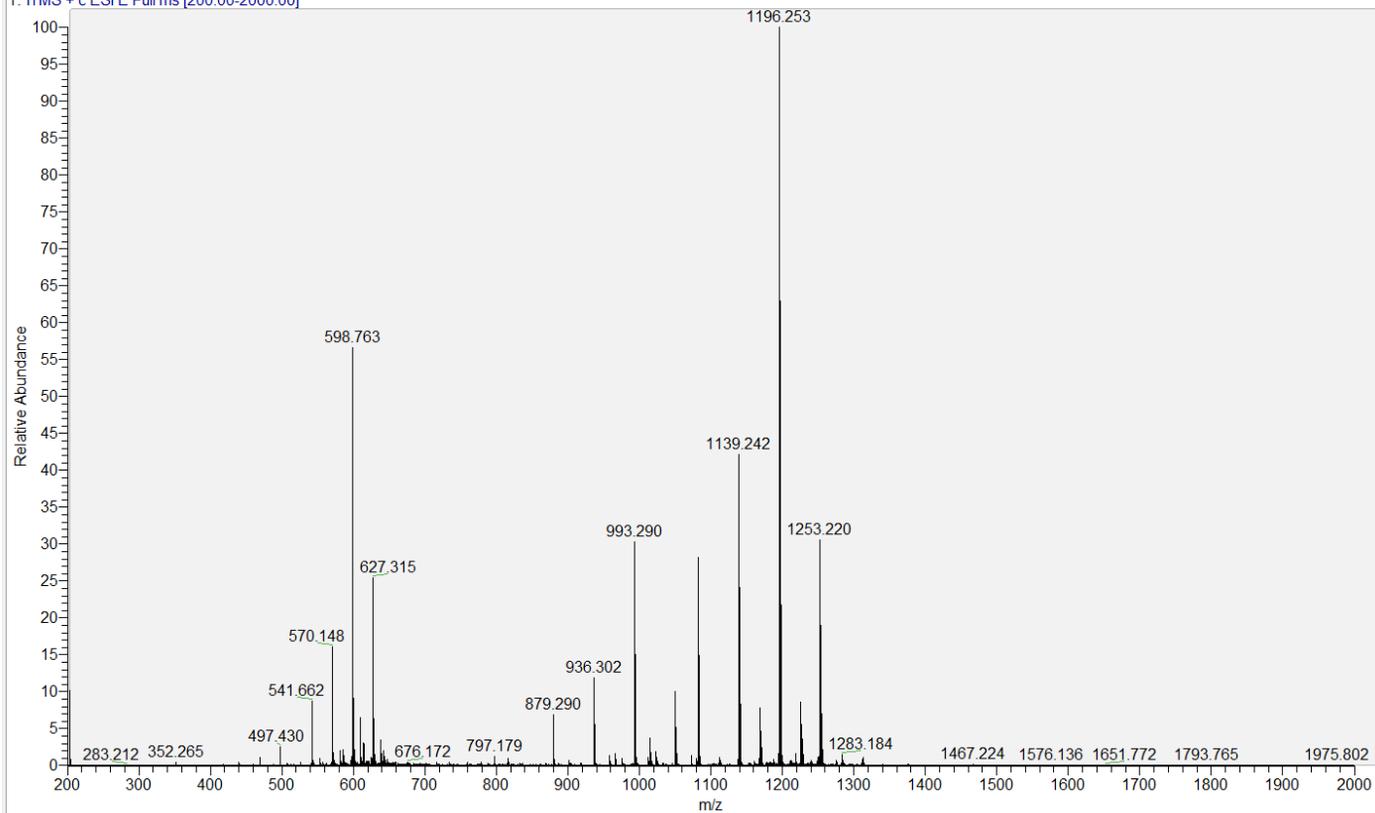
B LC-MS/MS Peak 6

SA_6 #601-903 RT: 23.04-23.24 AV: 2 NL: 1.21E4
F: ITMS + c ESI d w Full ms2 1353.21@cid35.00 [360.00-1365.00]



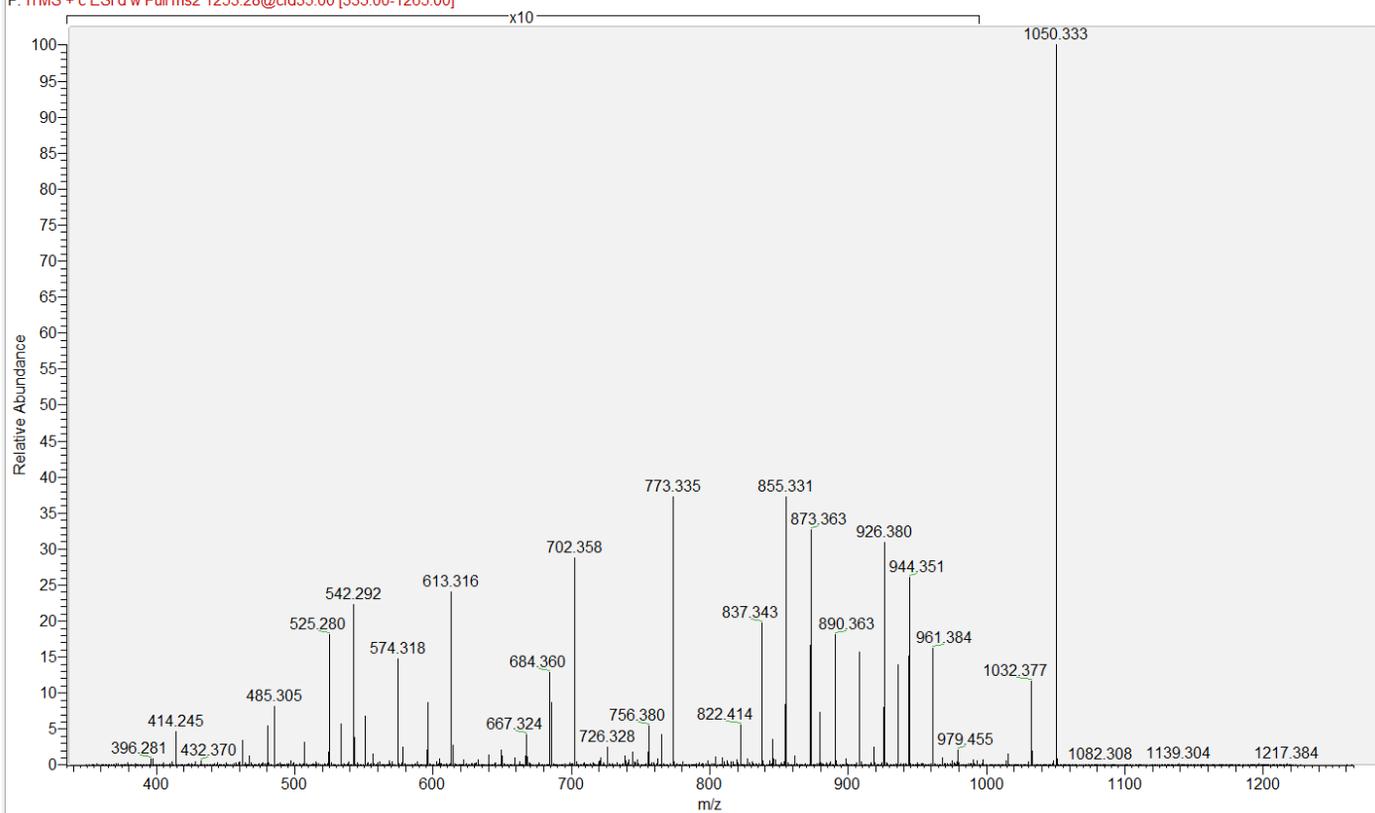
A LC-MS Peak 7

SA_7 #714.979 RT: 21.45-26.34 AV: 89 NL: 1.51E6
T: ITMS + c ESI E Full ms [200.00-2000.00]



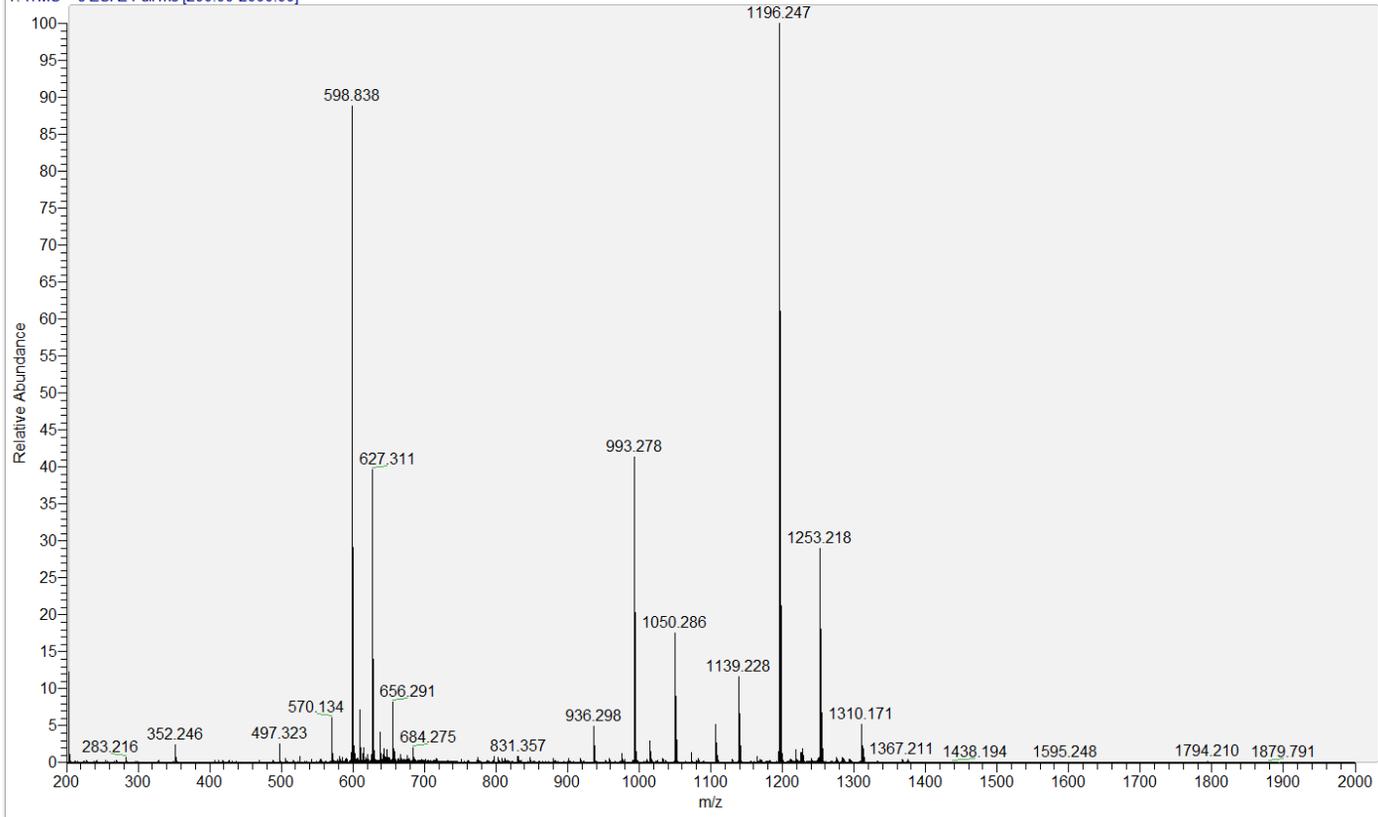
B LC-MS/MS Peak 7

SA_7 #714.979 RT: 22.78-26.30 AV: 4 NL: 4.51E4
F: ITMS + c ESI d w Full ms2 1253.28@cid35.00 [335.00-1265.00]



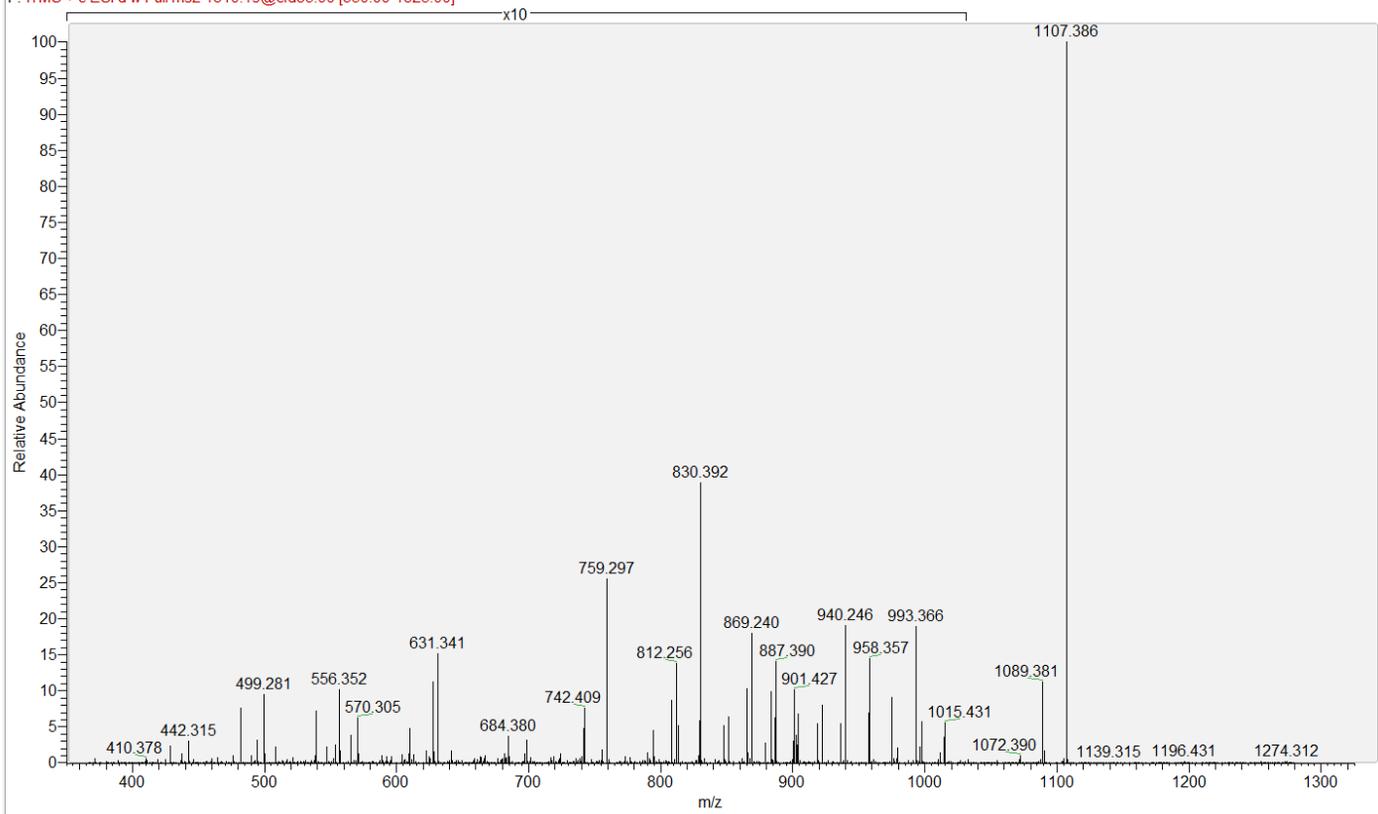
A LC-MS Peak 8

SA_8 #705-861 RT: 22.70-26.21 AV: 52 NL: 3.88E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



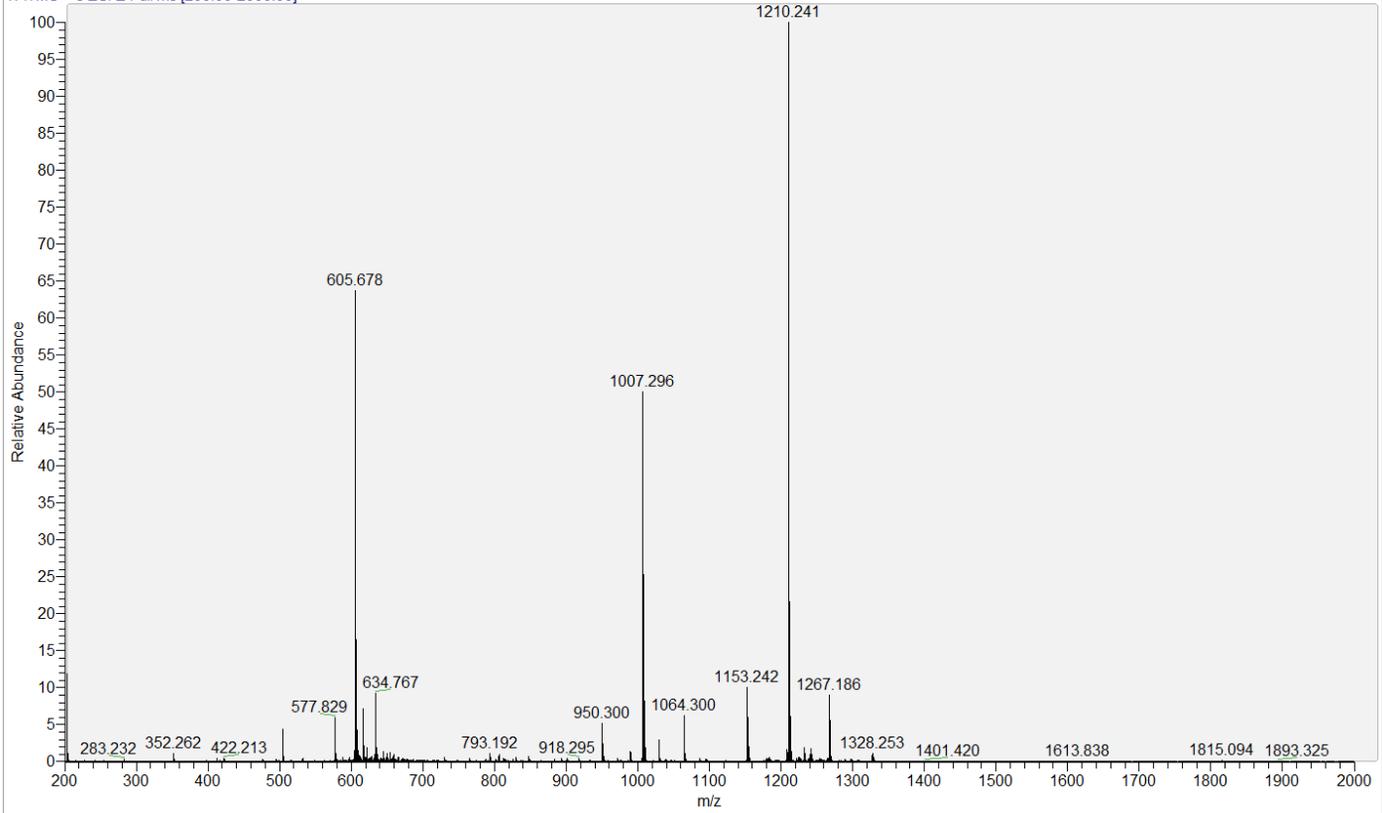
B LC-MS/MS Peak 8

SA_8 #705 RT: 25.59 AV: 1 NL: 2.72E4
F: ITMS + c ESI d w Full ms2 1310.19@cid35.00 [350.00-1325.00]



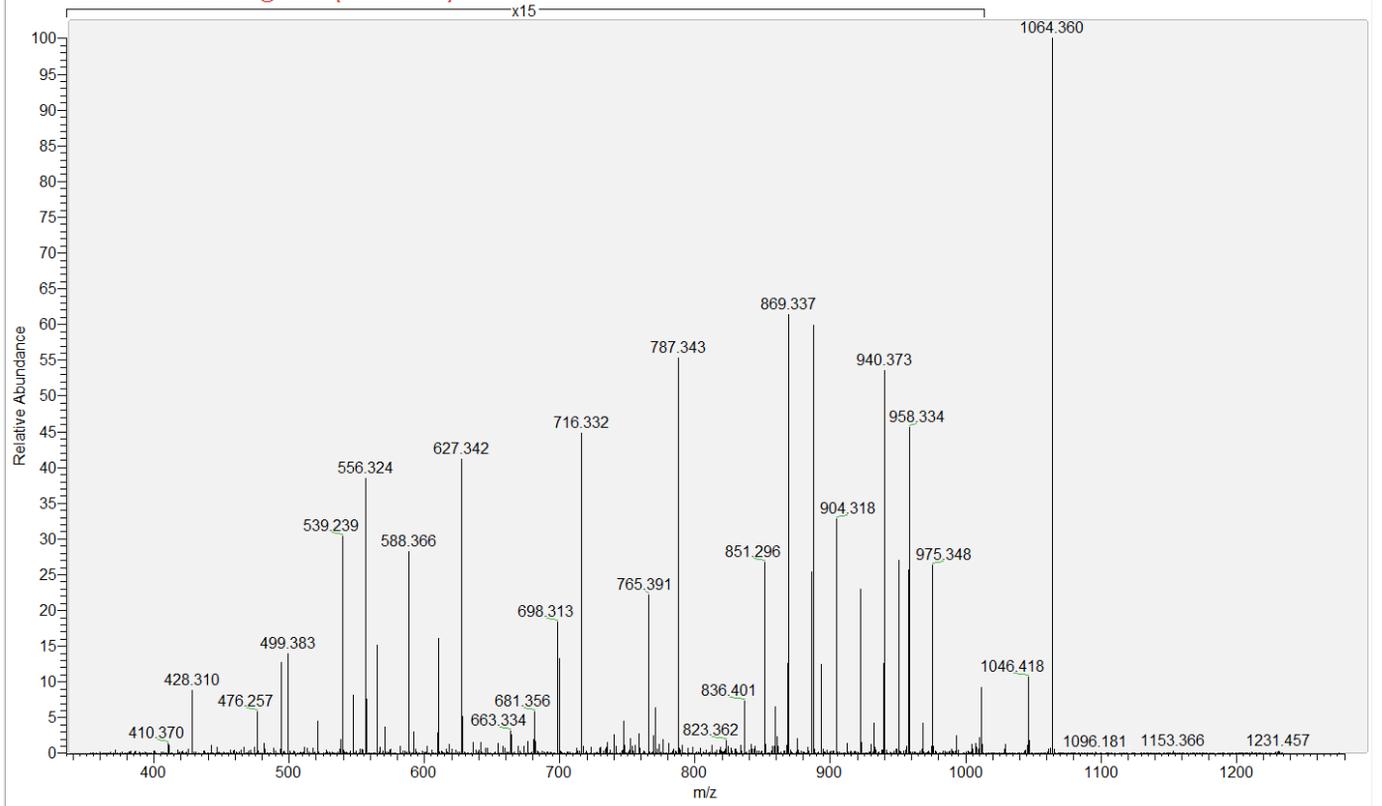
A LC-MS Peak 9

SA_9#817-911 RT: 26.41-28.30 AV: 32 NL: 7.13E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



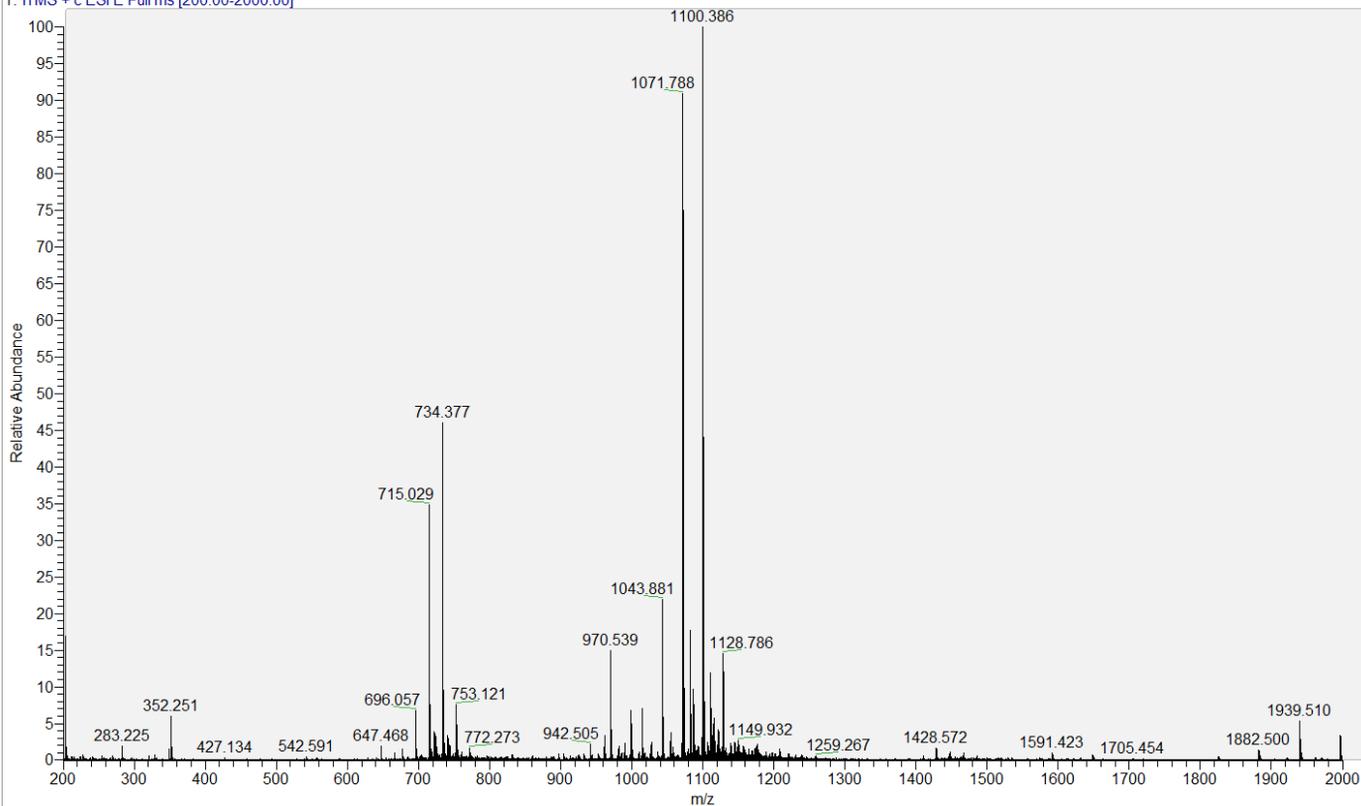
B LC-MS/MS Peak 9

SA_9#811-934 RT: 27.26-27.32 AV: 2 NL: 2.53E4
F: ITMS + c ESI d w Full ms2 1267.20@cid35.00 [335.00-1280.00]



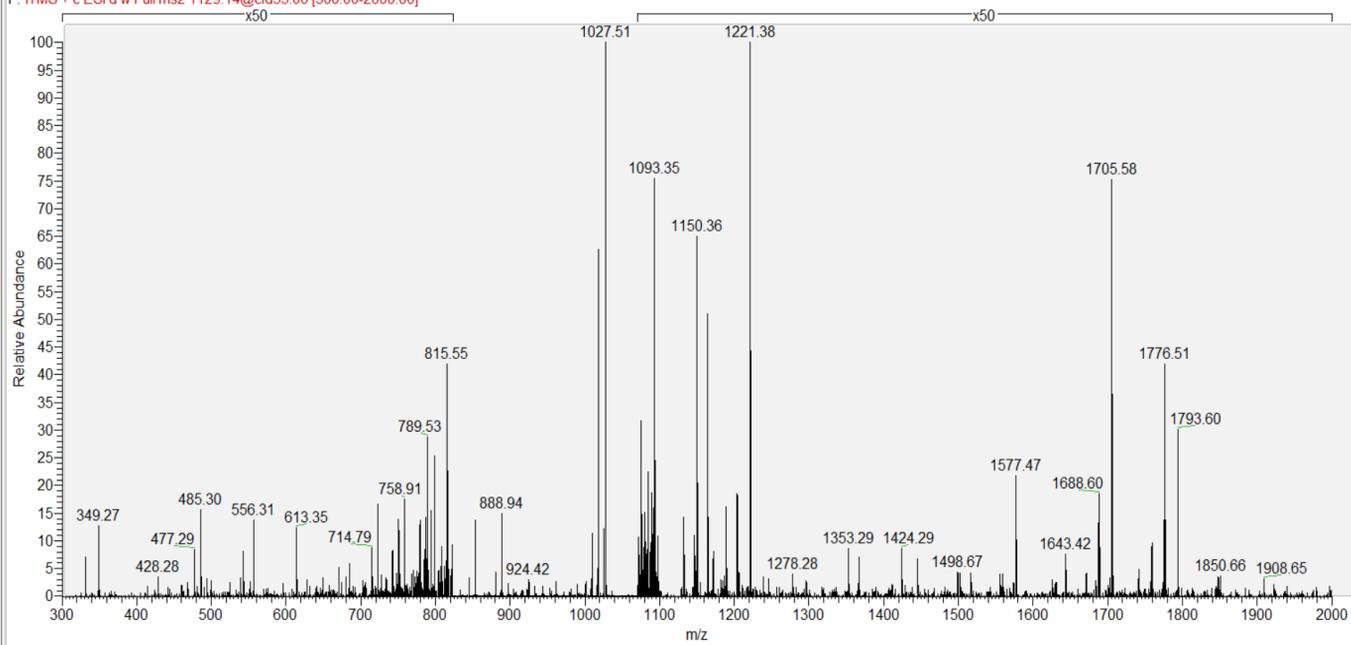
A LC-MS Peak 10

SA_10 #1137-1201 RT: 36.48-38.24 AV: 22 NL: 1.40E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



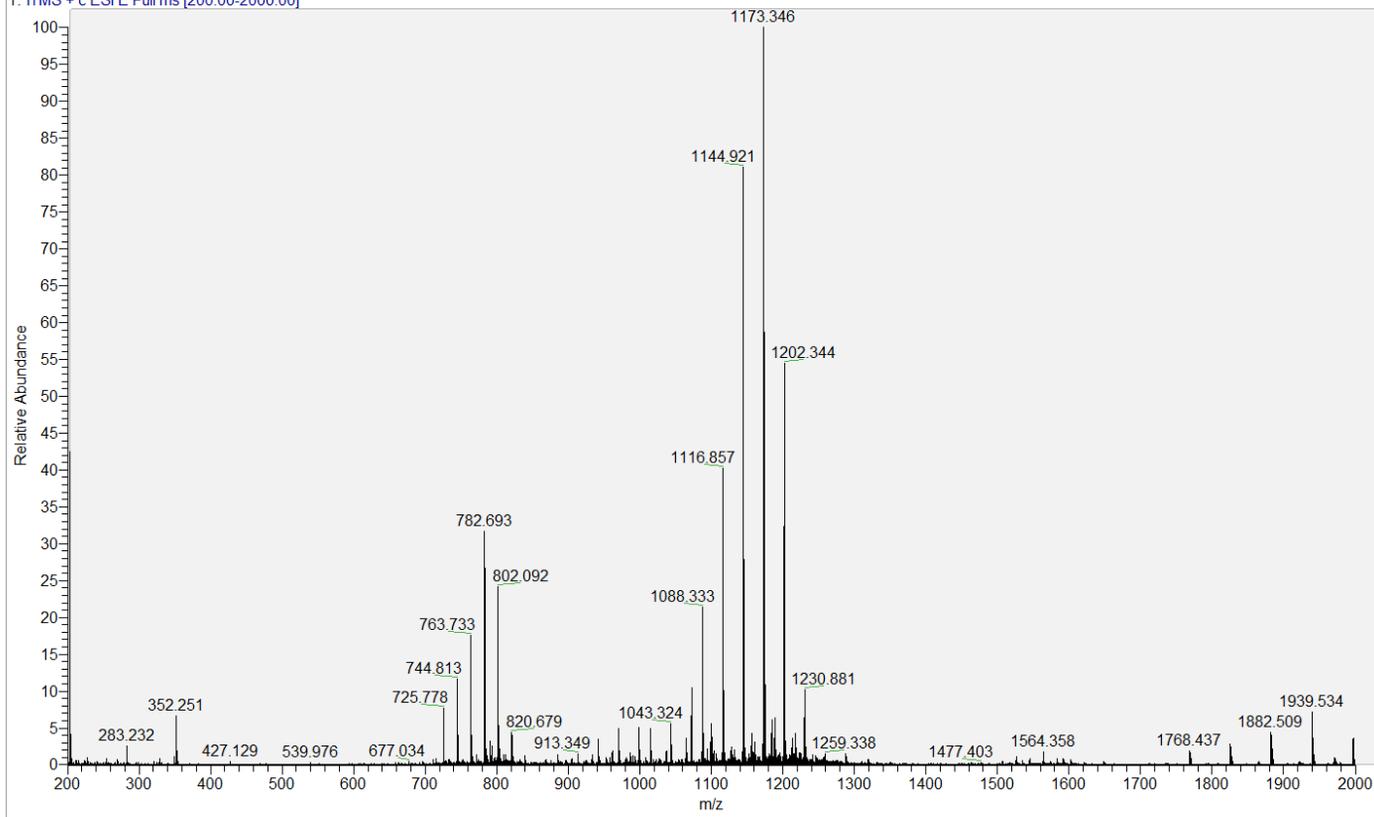
B LC-MS/MS Peak 10

SA_10 #1083-1202 RT: 37.30-37.38 AV: 2 NL: 5.48E3
F: ITMS + c ESI d w Full ms2 1129.14@cid35.00 [300.00-2000.00]



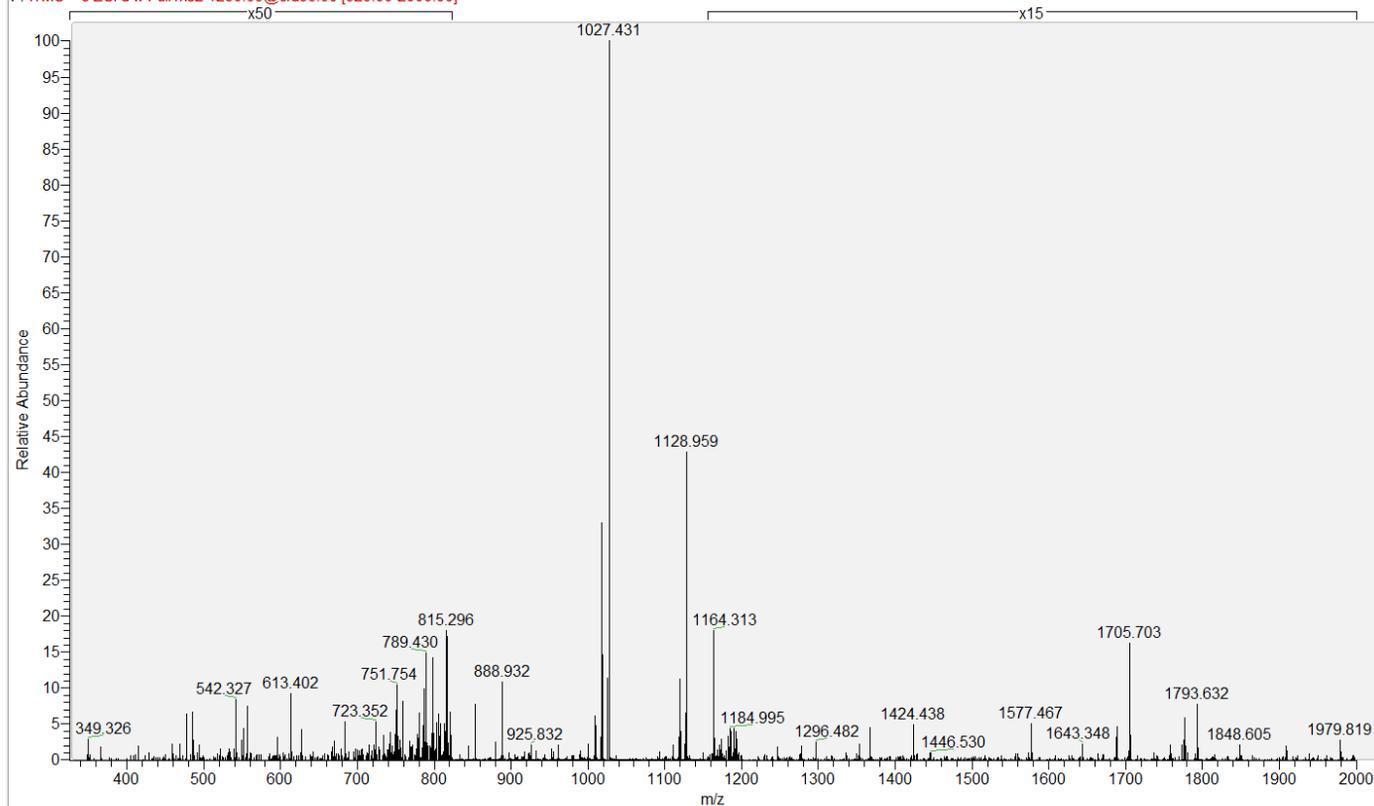
A LC-MS Peak 11

SA_11 #1104-1265 RT: 36.88-41.39 AV: 54 NL: 1.06E5
T: ITMS + c ESI E Full ms [200.00-2000.00]



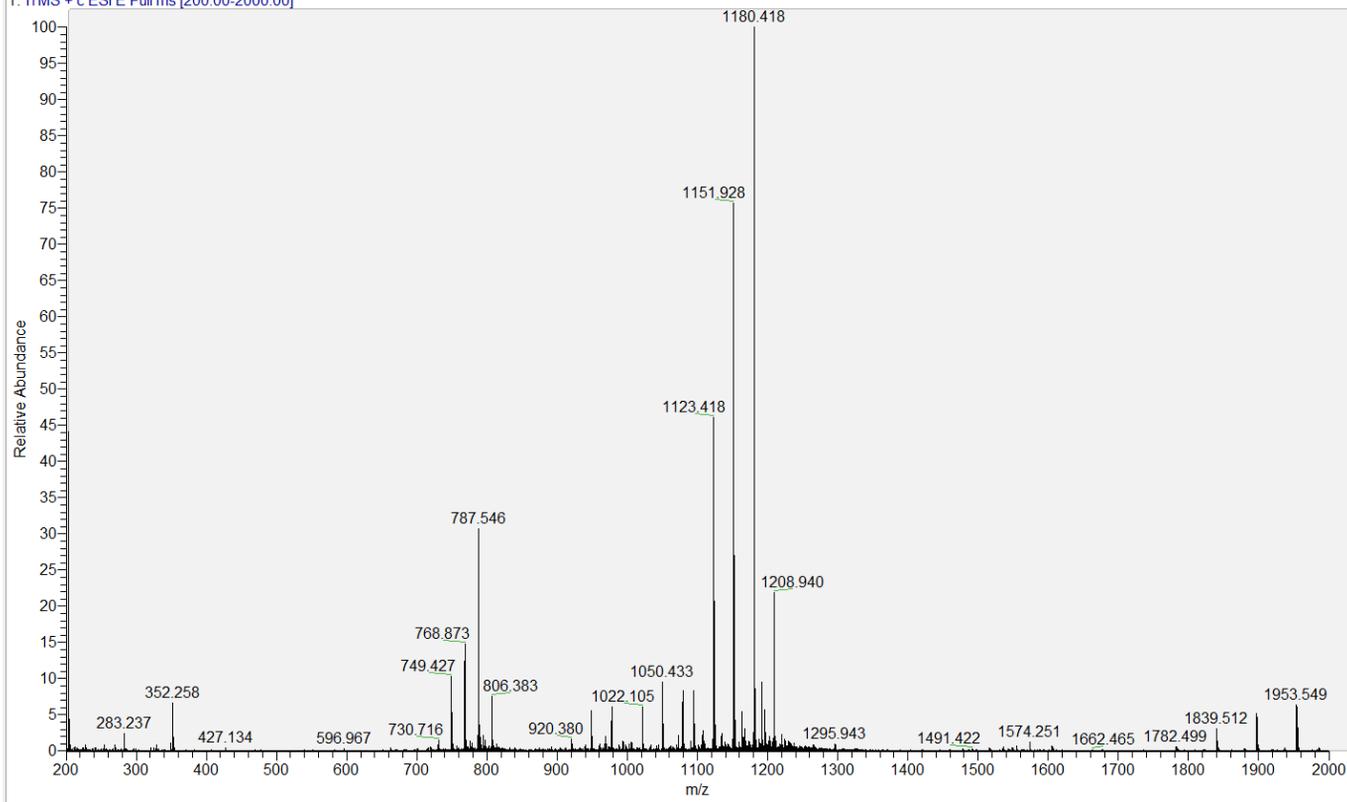
B LC-MS/MS Peak 11

SA_11 #1104-1265 RT: 40.20-40.29 AV: 2 NL: 3.00E3
F: ITMS + c ESI d w Full ms2 1230.65@cid35.00 [325.00-2000.00]



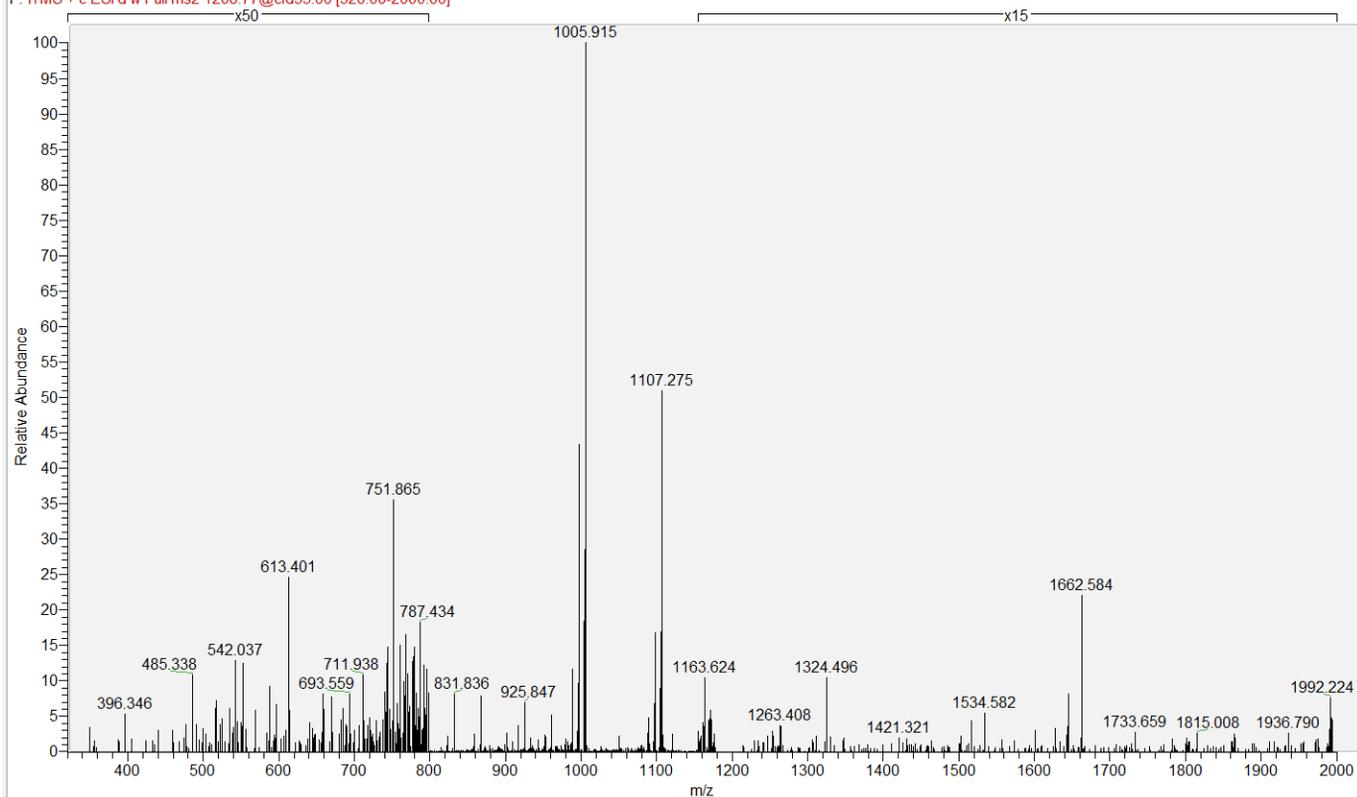
A LC-MS Peak 12

SA_12#1258-1369 RT: 41.44-44.49 AV: 37 NL: 1.02E5
T: ITMS + c ESI Full ms [200.00-2000.00]



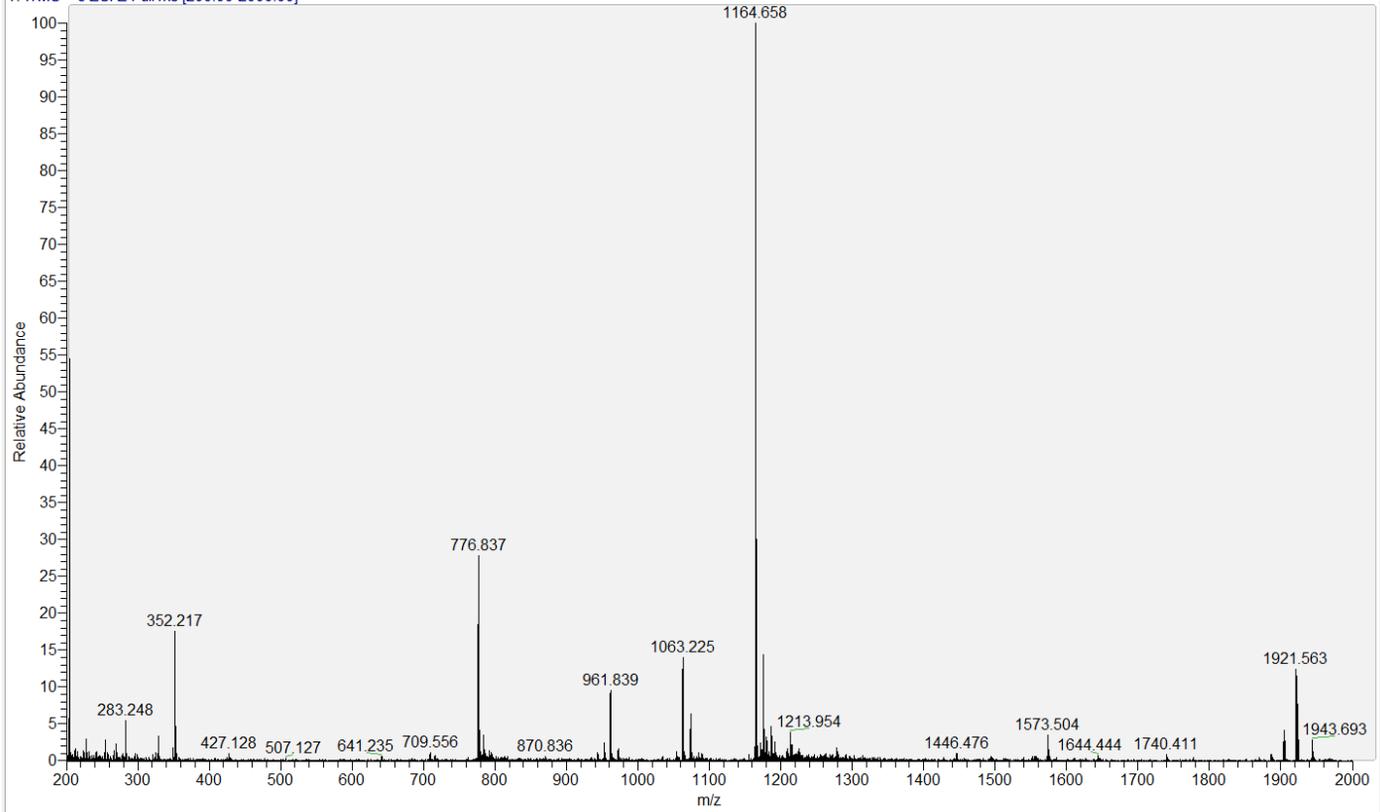
B LC-MS/MS Peak 12

SA_12#1258 RT: 43.43 AV: 1 NL: 1.28E3
F: ITMS + c ESI d w Full ms2 1208.77@cid35.00 [320.00-2000.00]



A LC-MS Peak 13

SA_13#1501 RT: 48.83 AV: 1 NL: 2.95E4
T: ITMS + c ESI E Full ms [200.00-2000.00]



B LC-MS/MS Peak 13

SA_13#1500 RT: 48.79 AV: 1 NL: 2.88E3
F: ITMS + c ESI d w Full ms2 1164.22@cid35.00 [310.00-2000.00]

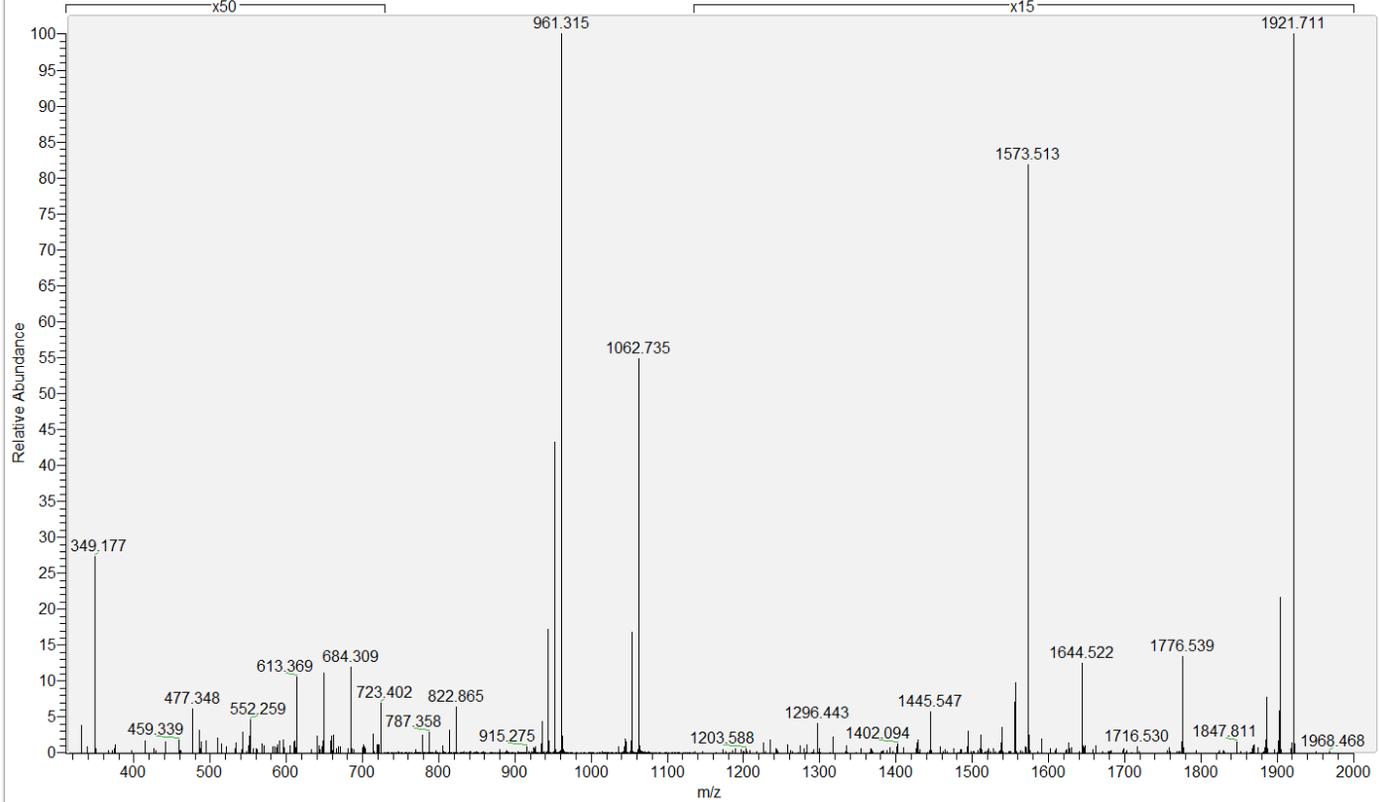


Figure S4: Identification of JE2 Δ *mpsABC* PG fragments by LC-MS and LC-MS/MS. The collected peaks from the lysostaphin-cellosyl double-digested Δ *mpsABC* PG profile (Fig. 4a) were analyzed by LC-MS (A) and LC-MS/MS (B). The determined masses of fragmented PG are summarized in Table S3, while the corresponding identified fragments are illustrated in Fig. 4b.