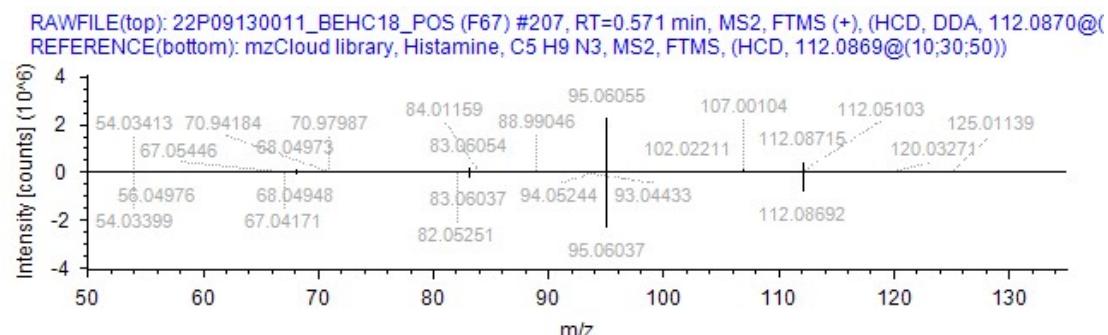
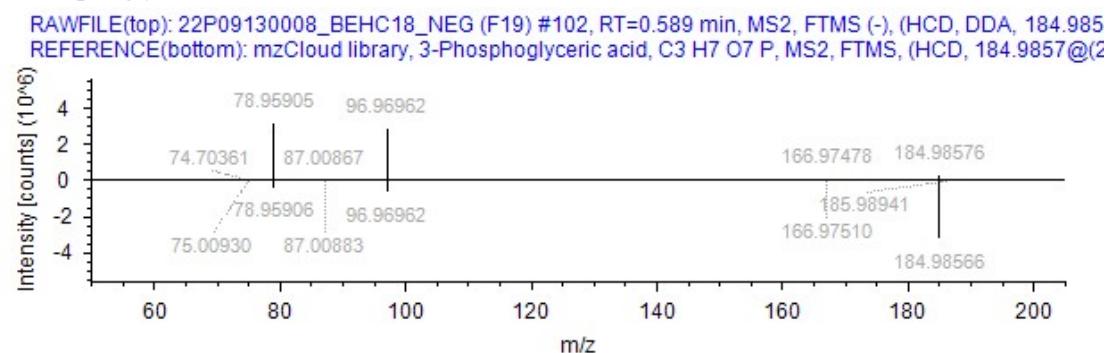


MS2 information of DMs related to carbohydrate, lipid and AA metabolism

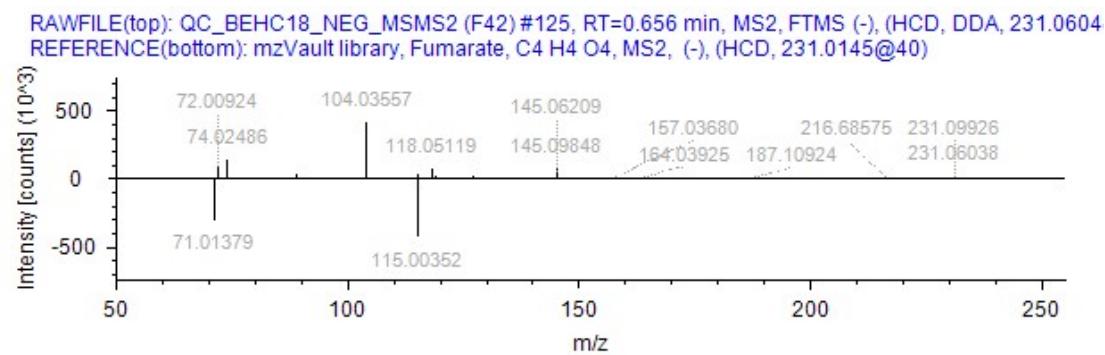
Histamine



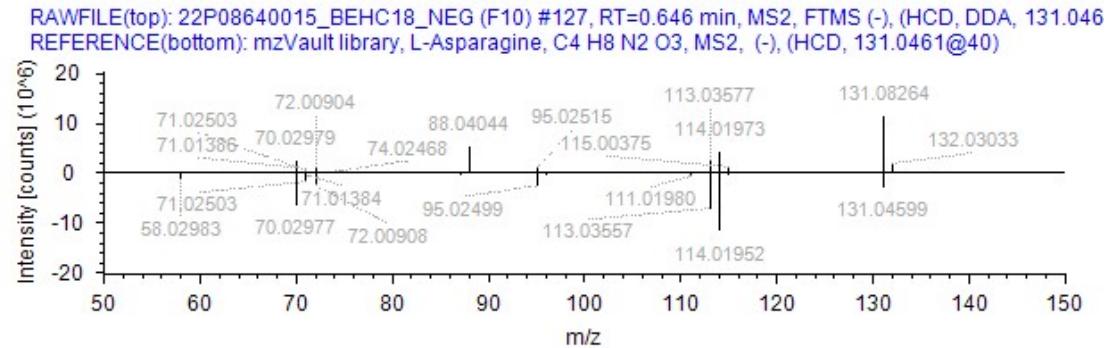
3-Phosphoglyceric acid



Fumarate

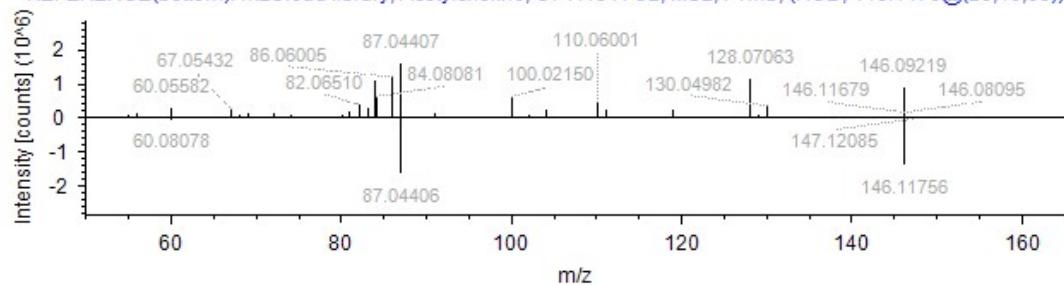


L-Asparagine



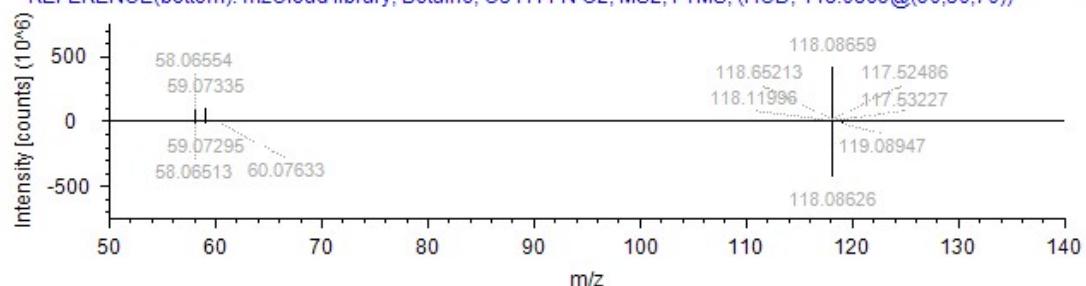
Acetylcholine

RAWFILE(top): QC_BEHC18_POS_MSMS1 (F86) #330, RT=0.722 min, MS2, FTMS (+), (HCD, DDA, 146.0809@(2)
REFERENCE(bottom): mzCloud library, Acetylcholine, C₇H₁₅N O₂, MS2, FTMS, (HCD, 146.1176@(20;40;60))



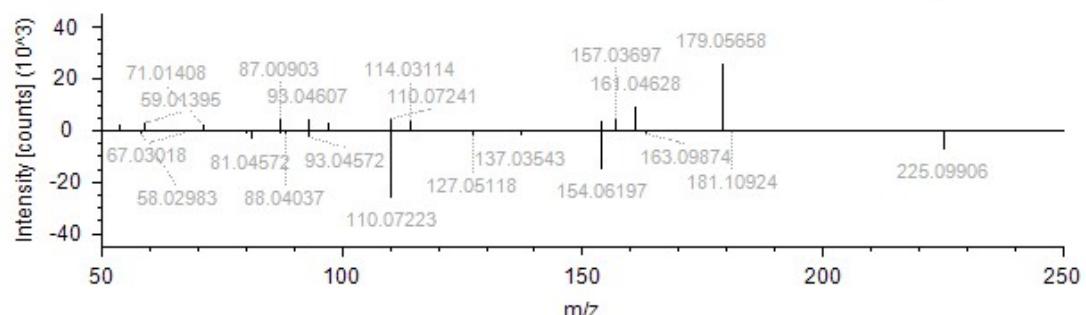
Betaine

RAWFILE(top): 22P09130013_BEHC18_POS (F69) #246, RT=0.657 min, MS2, FTMS (+), (HCD, DDA, 118.0864@(2)
REFERENCE(bottom): mzCloud library, Betaine, C₅H₁₁N O₂, MS2, FTMS, (HCD, 118.0863@(30;50;70))



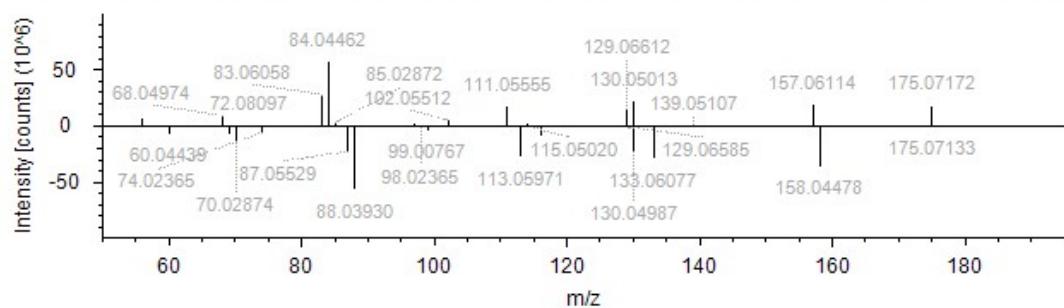
Carnosine

RAWFILE(top): QC_BEHC18_NEG_MSMS2 (F42) #163, RT=0.732 min, MS2, FTMS (-), (HCD, DDA, 225.0623
REFERENCE(bottom): mzVault library, Carnosine, C₉H₁₄N₄O₃, MS2, (-), (HCD, 225.0991@40)



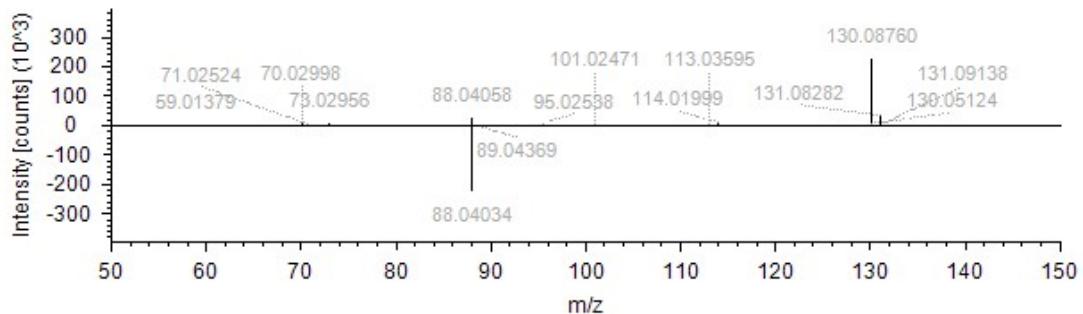
N-alpha-acetyl-l-asparagine

RAWFILE(top): 22P08640010_BEHC18_POS (F52) #258, RT=0.687 min, MS2, FTMS (+), (HCD, DDA, 175.0714@(2)
REFERENCE(bottom): mzVault library, N-alpha-acetyl-l-asparagine, C₆H₁₀N₂O₄, MS2, (+), (HCD, 175.0718@30)



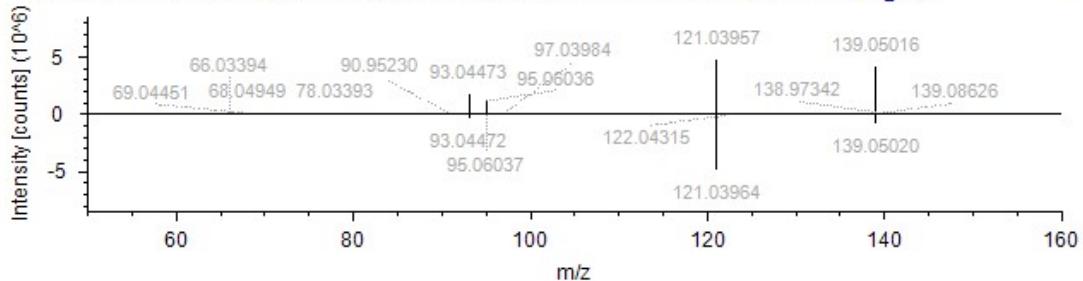
Creatine

RAWFILE(top): QC_BEHC18_NEG_MSMS1 (F41) #278, RT=0.903 min, MS2, FTMS (-), (HCD, DDA, 130.0876)
REFERENCE(bottom): mzVault library, Creatine, C4 H9 N3 O2, MS2, (-), (HCD, 130.0620@40)



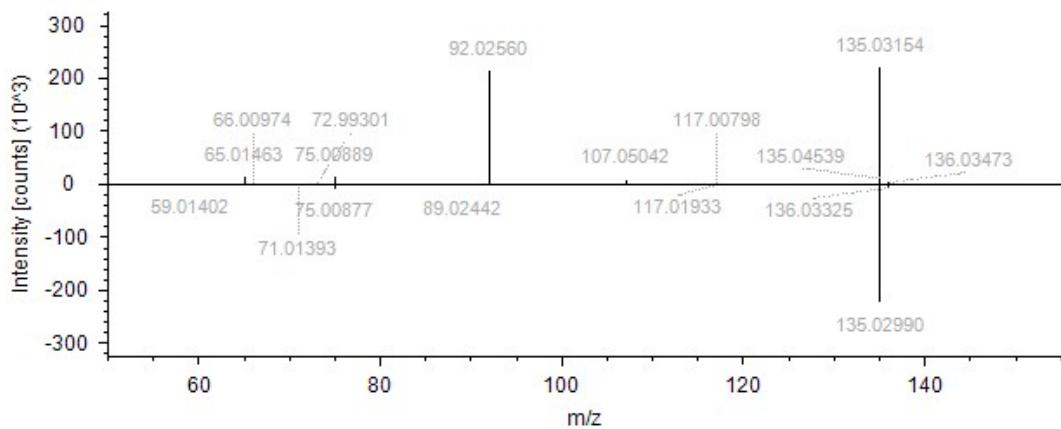
Urocanate

RAWFILE(top): QC_BEHC18_POS_MSMS5 (F90) #361, RT=0.713 min, MS2, FTMS (+), (HCD, DDA, 139.0500@2)
REFERENCE(bottom): mzVault library, Urocanate, C6 H6 N2 O2, MS2, (+), (HCD, 139.0505@30)



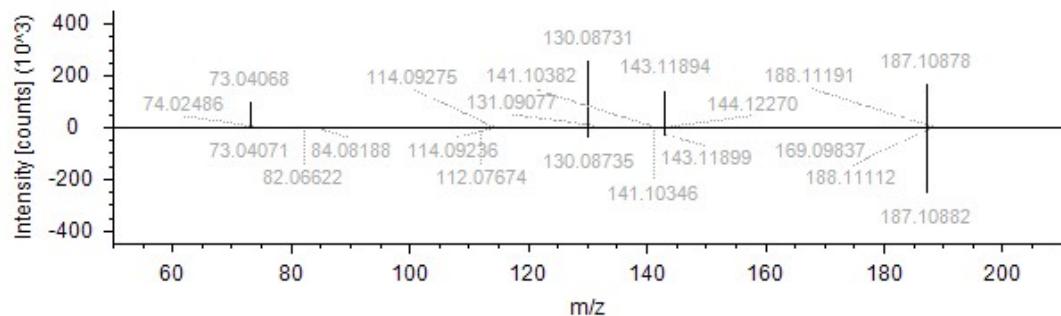
L-Threonic acid

RAWFILE(top): QC_BEHC18_NEG_MSMS1 (F41) #203, RT=0.743 min, MS2, FTMS (-), (HCD, DDA, 135.0315@4)
REFERENCE(bottom): mzCloud library, L-Threonic acid, C4 H8 O5, MS2, FTMS, (HCD, 135.0299@10;30;50))



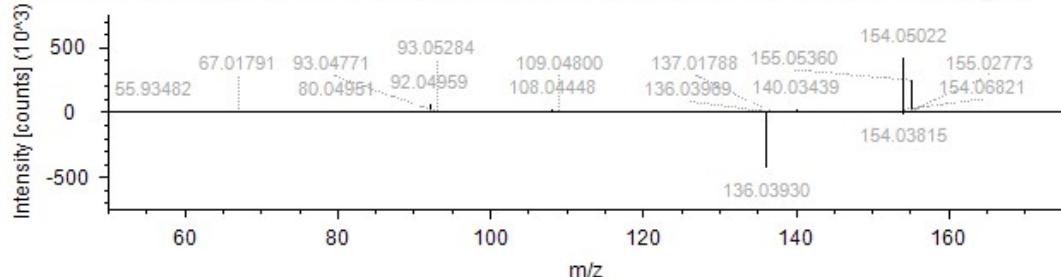
Glycyl-L-leucine

RAWFILE(top): 22P08640015_BEHC18_NEG (F10) #513, RT=1.614 min, MS2, FTMS (-), (HCD, DDA, 187.108
REFERENCE(bottom): mzCloud library, Glycyl-L-leucine, C8 H16 N2 O3, MS2, FTMS, (HCD, 187.1088@30;50)



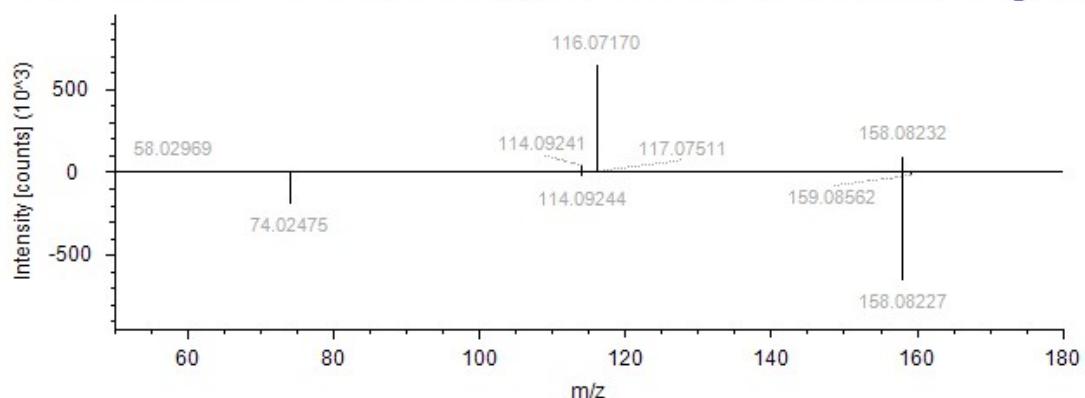
3-hydroxyanthranilate

RAWFILE(top): 22P09130006_BEHC18_POS (F62) #740, RT=1.821 min, MS2, FTMS (+), (HCD, DDA, 154.0500@
REFERENCE(bottom): mzVault library, 3-hydroxyanthranilate, C7 H7 N O3, MS2, (+), (HCD, 154.0503@30)



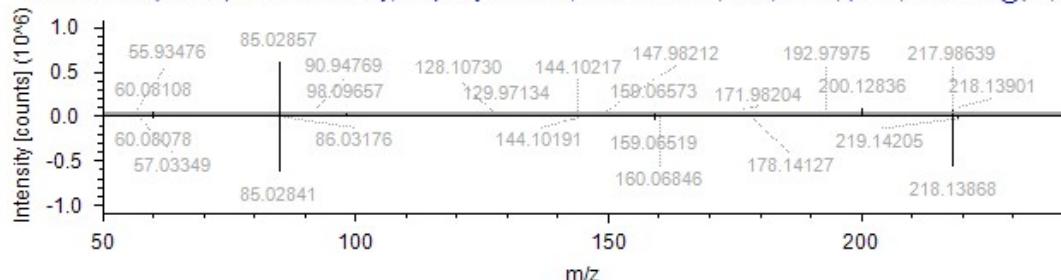
N-Isovalerylglycine

RAWFILE(top): 22P08640003_BEHC18_NEG (F2) #591, RT=1.847 min, MS2, FTMS (-), (HCD, DDA, 158.0823@
REFERENCE(bottom): mzCloud library, N-Isovalerylglycine, C7 H13 N O3, MS2, FTMS, (HCD, 158.0823@30;50;7)



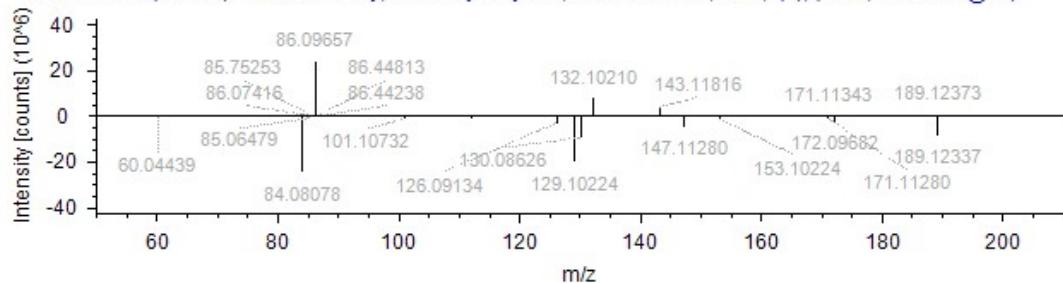
Propionylcarnitine

RAWFILE(top): 22P09130009_BEHC18_POS (F65) #771, RT=1.900 min, MS2, FTMS (+), (HCD, DDA, 218.1388@
REFERENCE(bottom): mzCloud library, Propionylcarnitine, C10 H19 N O4, MS2, FTMS, (HCD, 218.1387@20;40;6)



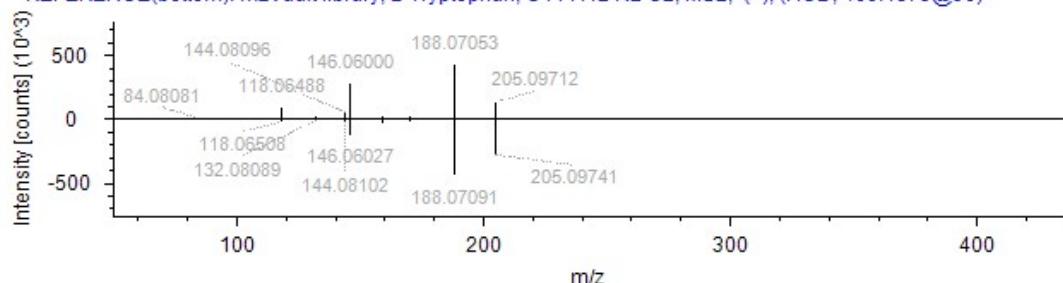
N2-Acetyl-L-lysine

RAWFILE(top): 22P08640015_BEHC18_POS (F55) #1286, RT=3.114 min, MS2, FTMS (+), (HCD, DDA, 189.1235@
REFERENCE(bottom): mzVault library, N2-Acetyl-L-lysine, C8 H16 N2 O3, MS2, (+), (HCD, 189.1239@30)



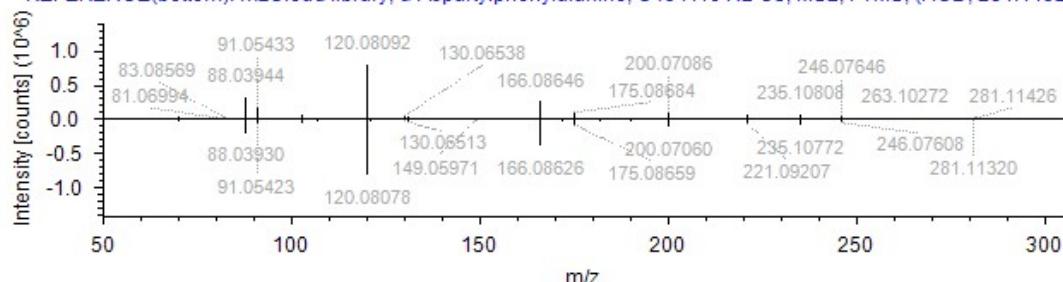
L-Tryptophan

RAWFILE(top): QC_BEHC18_POS_MSMS5 (F90) #1745, RT=3.310 min, MS2, FTMS (+), (HCD, DDA, 409.1863@
REFERENCE(bottom): mzVault library, L-Tryptophan, C11 H12 N2 O2, MS2, (+), (HCD, 409.1873@30)



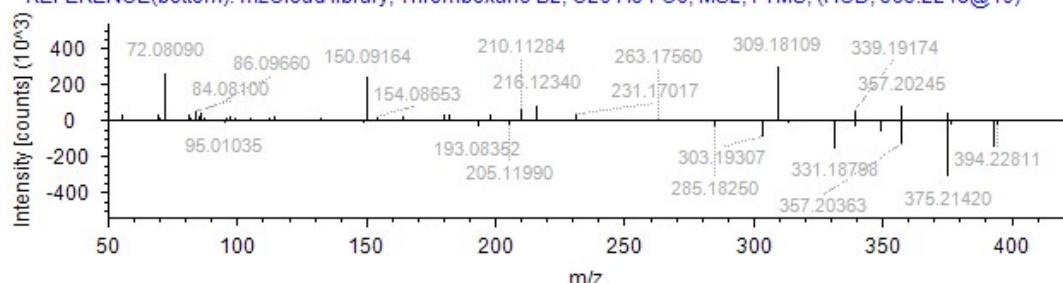
α -Aspartylphenylalanine

RAWFILE(top): 22P08640015_BEHC18_POS (F55) #1460, RT=3.531 min, MS2, FTMS (+), (HCD, DDA, 281.1132@
REFERENCE(bottom): mzCloud library, α -Aspartylphenylalanine, C13 H16 N2 O5, MS2, FTMS, (HCD, 281.1132@3)



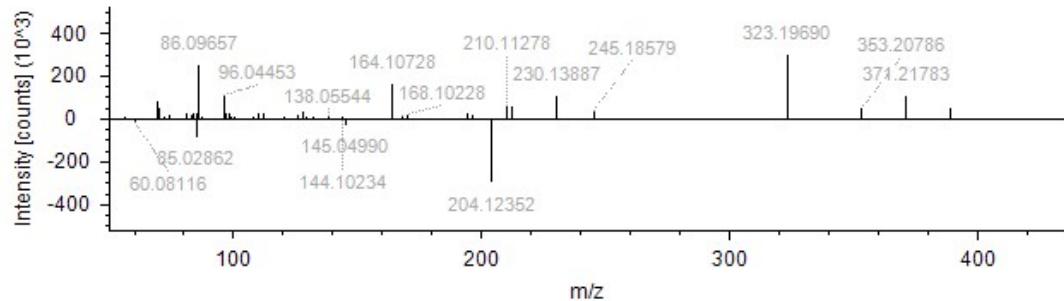
Thromboxane B2

RAWFILE(top): 22P08640016_BEHC18_POS (F56) #1563, RT=3.803 min, MS2, FTMS (+), (HCD, DDA, 393.2231@
REFERENCE(bottom): mzCloud library, Thromboxane B2, C20 H34 O6, MS2, FTMS, (HCD, 393.2248@40)



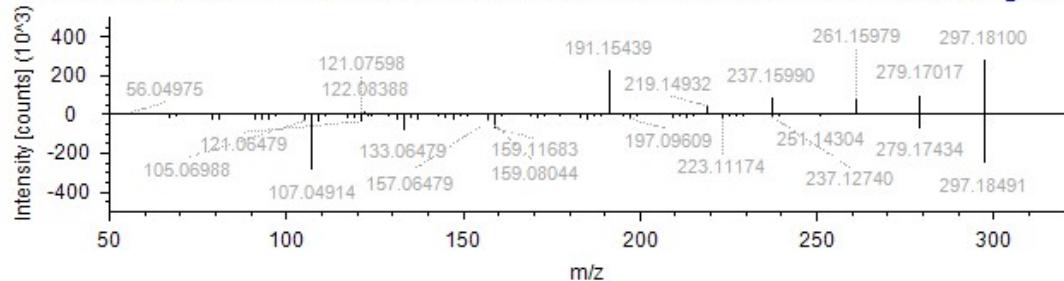
O-ACETYL CARNITINE

RAWFILE(top): 22P08640016_BEHC18_POS (F56) #1782, RT=4.367 min, MS2, FTMS (+), (HCD, DDA, 407.2388@
REFERENCE(bottom): mzVault library, O-ACETYL CARNITINE, C9 H17 N O4, MS2, (+), (HCD, 407.2393@30)



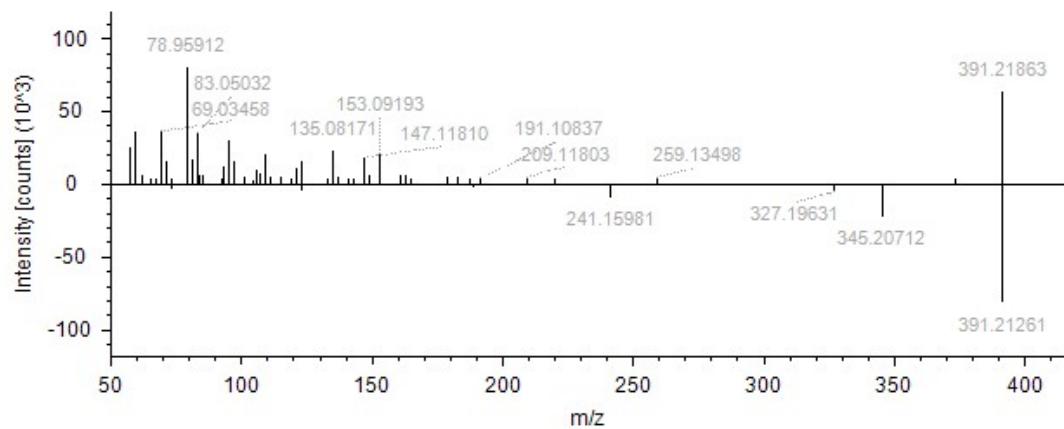
17 α -Ethyne Estradiol

RAWFILE(top): 22P08640010_BEHC18_POS (F52) #1862, RT=4.554 min, MS2, FTMS (+), (HCD, DDA, 297.1802@
REFERENCE(bottom): mzCloud library, 17 α -Ethyne Estradiol, C20 H24 O2, MS2, FTMS, (HCD, 297.1849@(15;30;6)



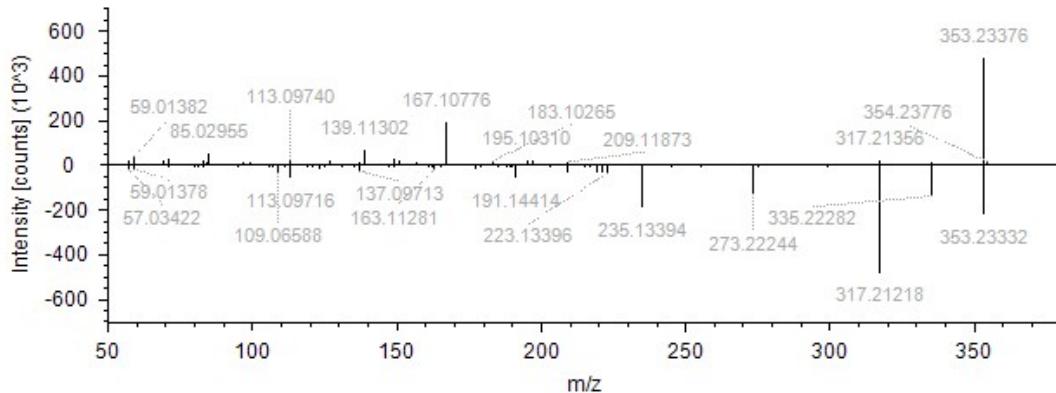
Corticosterone

RAWFILE(top): 22P08640012_BEHC18_NEG (F8) #1978, RT=6.396 min, MS2, FTMS (-), (HCD, DDA, 391.2129@
REFERENCE(bottom): mzCloud library, Corticosterone, C21 H30 O4, MS2, FTMS, (HCD, 391.2119@(20;40;60))



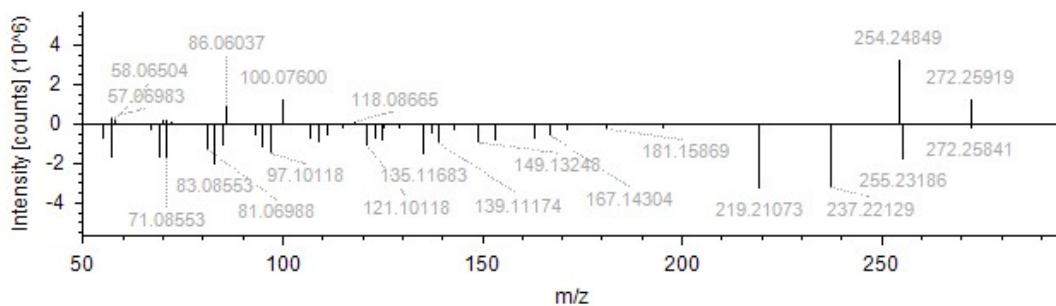
Prostaglandin E1

RAWFILE(top): 22P08640012_BEHC18_NEG (F8) #2320, RT=7.312 min, MS2, FTMS (-), (HCD, DDA, 353.2336@
REFERENCE(bottom): mzCloud library, Prostaglandin E1, C₂₀H₃₄O₅, MS2, FTMS, (HCD, 353.2334@(10;30;50))



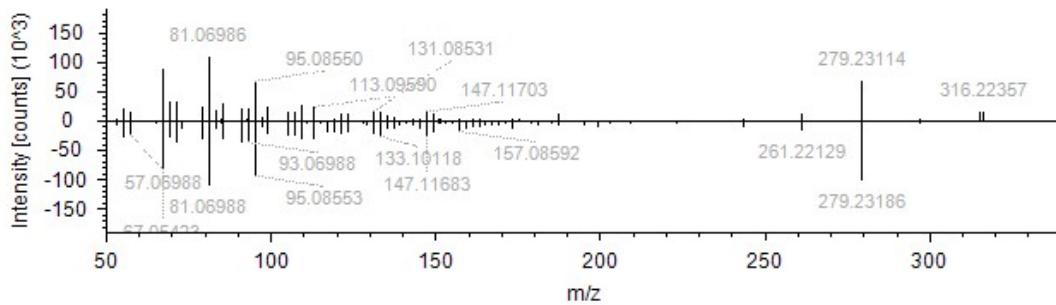
Palmitoleic acid

RAWFILE(top): 22P08640001_BEHC18_POS (F46) #3083, RT=7.725 min, MS2, FTMS (+), (HCD, DDA, 272.2592@
REFERENCE(bottom): mzVault library, Palmitoleic acid, C₁₆H₃₀O₂, MS2, (+), (HCD, 272.2592@30)



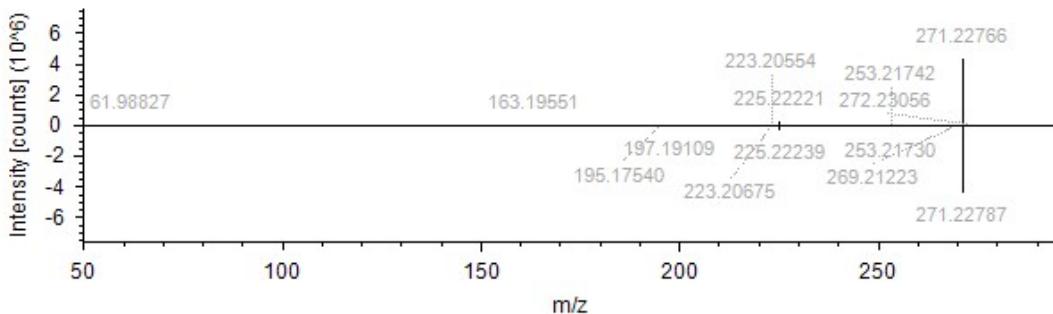
(+/-)12(13)-DiHOME

RAWFILE(top): QC_BEHC18_POS_MSMS5 (F90) #4254, RT=8.376 min, MS2, FTMS (+), (HCD, DDA, 315.2521@
REFERENCE(bottom): mzCloud library, (+/-)12(13)-DiHOME, C₁₈H₃₄O₄, MS2, FTMS, (HCD, 315.2530@(20;40;60))



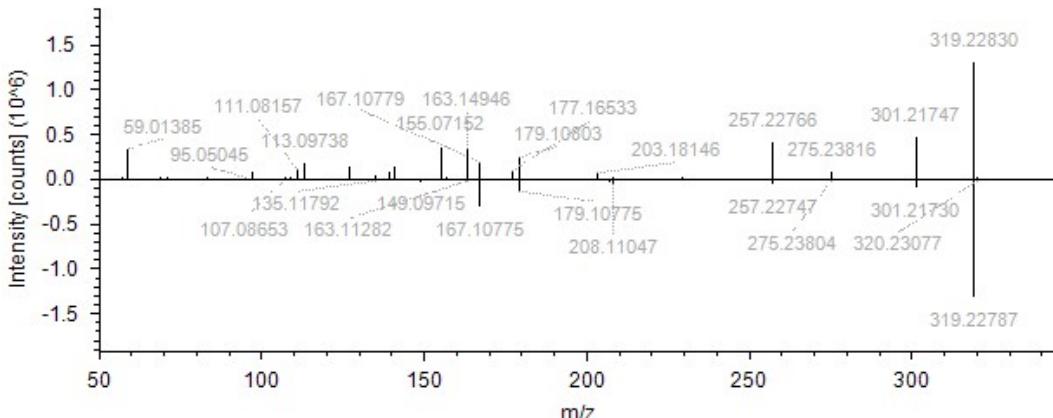
16-Hydroxyhexadecanoic acid

RAWFILE(top): 22P08640001_BEHC18_NEG (F1) #2332, RT=8.400 min, MS2, FTMS (-), (HCD, DDA, 271.227)
REFERENCE(bottom): mzCloud library, 16-Hydroxyhexadecanoic acid, C16 H32 O3, MS2, FTMS, (HCD, 271.2)



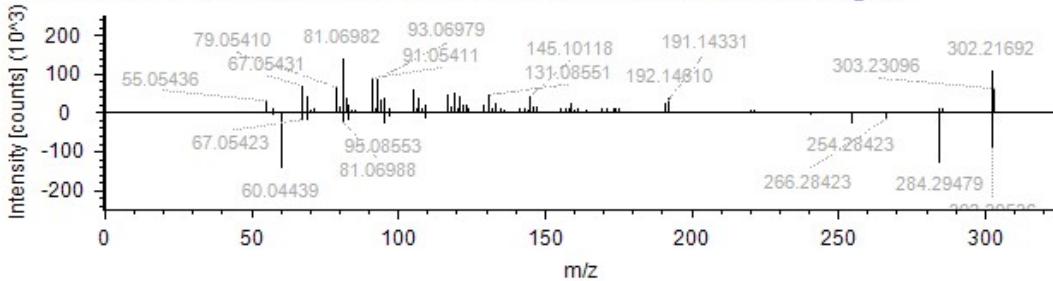
11,12-Epoxy-(5Z,8Z,11Z)-icosatrienoic acid

RAWFILE(top): 22P08640012_BEHC18_NEG (F8) #2862, RT=8.698 min, MS2, FTMS (-), (HCD, DDA, 319.2280@
REFERENCE(bottom): mzCloud library, 11,12-Epoxy-(5Z,8Z,11Z)-icosatrienoic acid, C20 H32 O3, MS2, FTMS, (HCD, 319.2280)



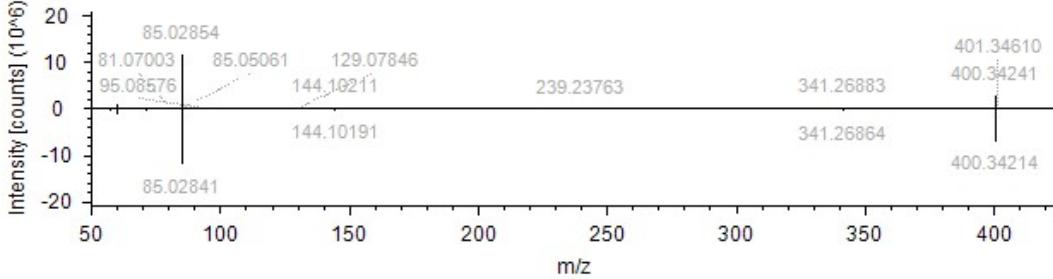
Stearate

RAWFILE(top): QC_BEHC18_POS_MSMS5 (F90) #4499, RT=8.856 min, MS2, FTMS (+), (HCD, DDA, 302.2184@
REFERENCE(bottom): mzVault library, Stearate, C18 H36 O2, MS2, (+), (HCD, 302.3061@30)



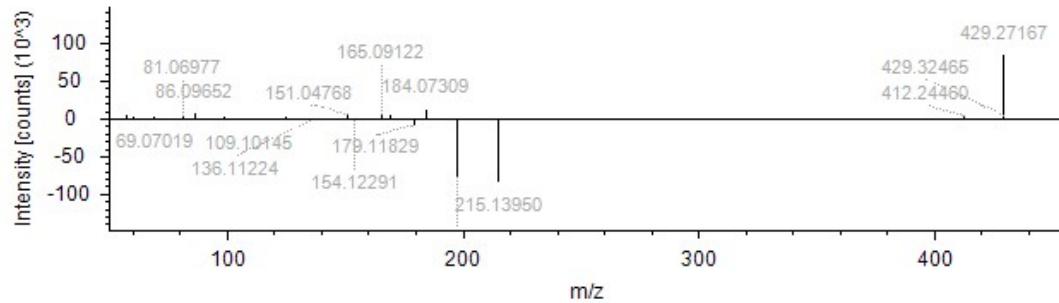
PALMITOYL CARNITINE

RAWFILE(top): 22P09130009_BEHC18_POS (F65) #3467, RT=8.838 min, MS2, FTMS (+), (HCD, DDA, 400.3417@
REFERENCE(bottom): mzVault library, PALMITOYL CARNITINE, C23 H45 N O4, MS2, (+), (HCD, 400.3429@30)



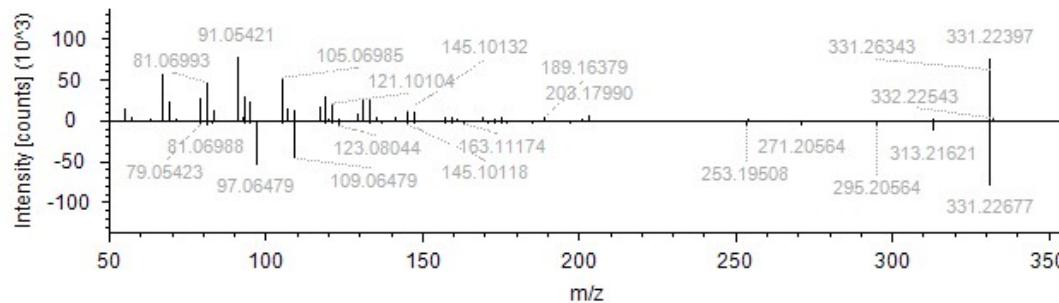
Dethiobiotin

RAWFILE(top): QC_BEHC18_POS_MSMS3 (F88) #1754, RT=8.998 min, MS2, FTMS (+), (HCD, DDA, 429.2739@
REFERENCE(bottom): mzVault library, Dethiobiotin, C10 H18 N2 O3, MS2, (+), (HCD, 429.2714@30)



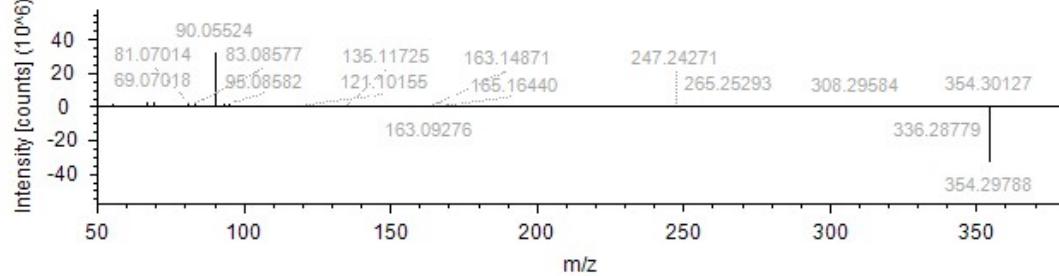
17 α -Hydroxyprogesterone

RAWFILE(top): QC_BEHC18_POS_MSMS2 (F87) #3701, RT=9.157 min, MS2, FTMS (+), (HCD, DDA, 331.2630@
REFERENCE(bottom): mzCloud library, 17 α -Hydroxyprogesterone, C21 H30 O3, MS2, FTMS, (HCD, 331.2268@20)



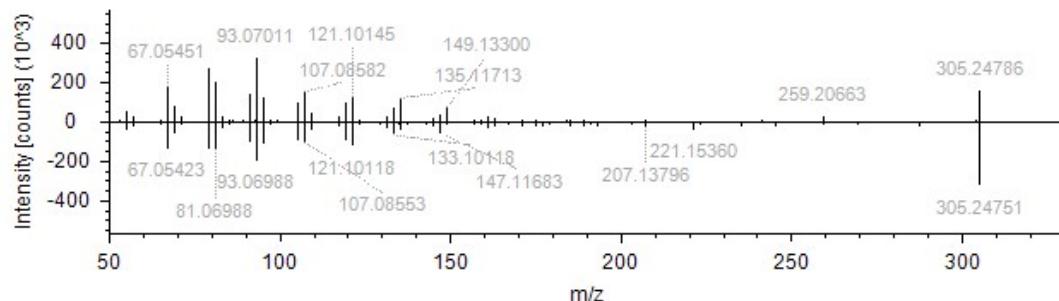
Anandamide (AEA)

RAWFILE(top): 22P08640016_BEHC18_POS (F56) #3884, RT=9.658 min, MS2, FTMS (+), (HCD, DDA, 354.3006@
REFERENCE(bottom): mzCloud library, Anandamide (AEA), C22 H37 N O2, MS2, FTMS, (HCD, 354.2979@10)

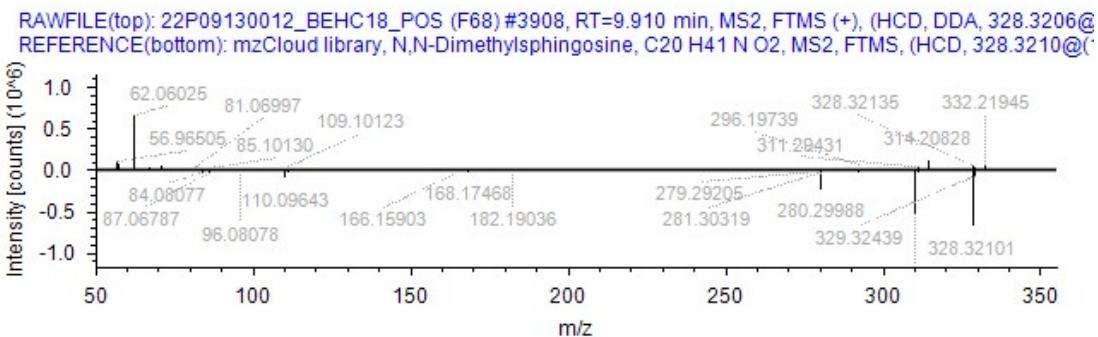


Arachidonic acid

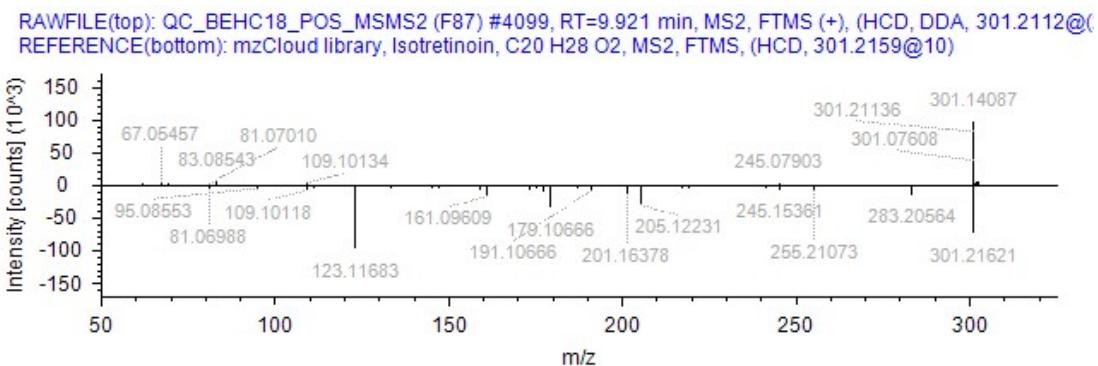
RAWFILE(top): 22P08640014_BEHC18_POS (F54) #3695, RT=9.181 min, MS2, FTMS (+), (HCD, DDA, 305.2473@
REFERENCE(bottom): mzCloud library, Arachidonic acid, C20 H32 O2, MS2, FTMS, (HCD, 305.2475@20;40;60)



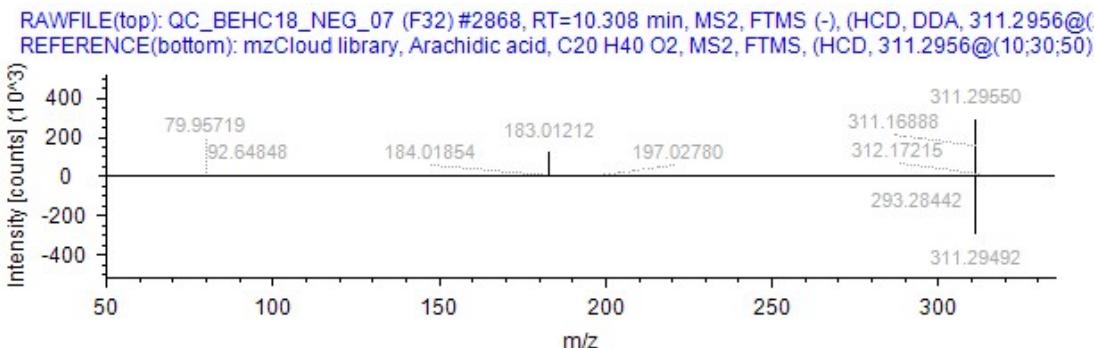
N,N-Dimethylsphingosine



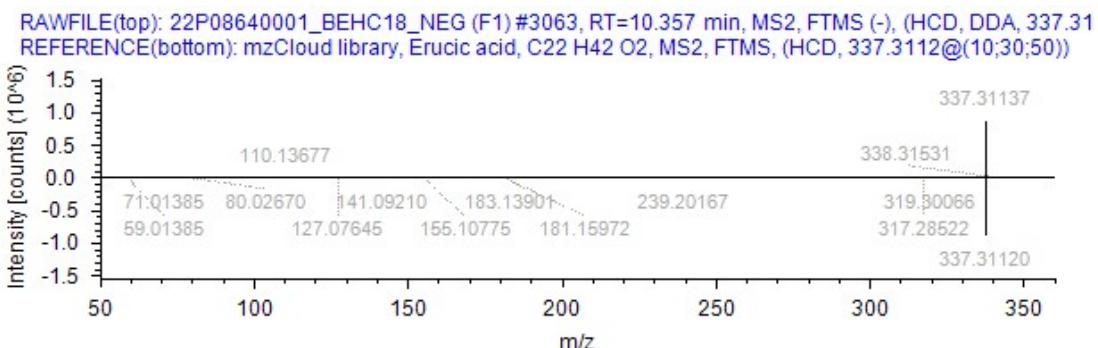
Isotretinoin



Arachidic acid



Erucic acid



Nervonic acid

RAWFILE(top): 22P09130004_BEHC18_NEG (F15) #2744, RT=10.719 min, MS2, FTMS (-), (HCD, DDA, 365.3
REFERENCE(bottom): mzCloud library, Nervonic acid, C₂₄ H₄₆ O₂, MS2, FTMS, (HCD, 365.3425@(20;40;60))

