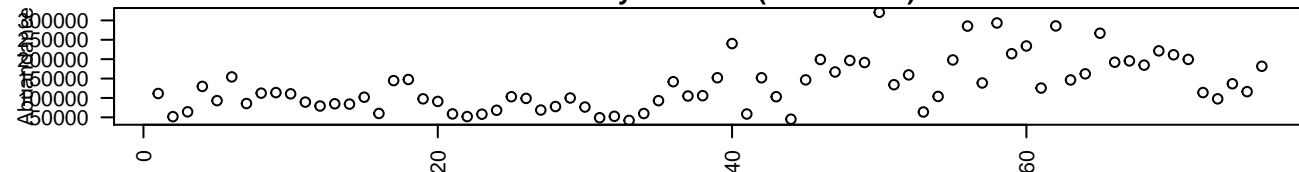
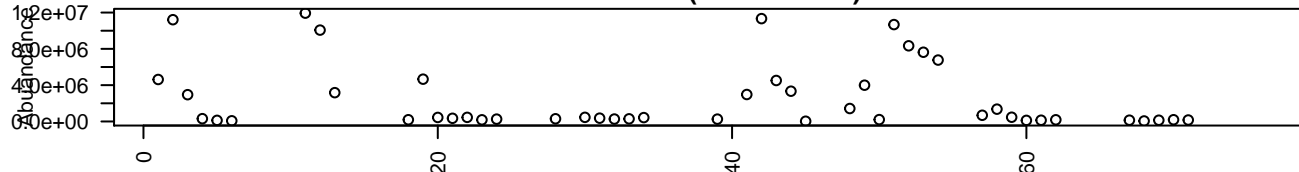


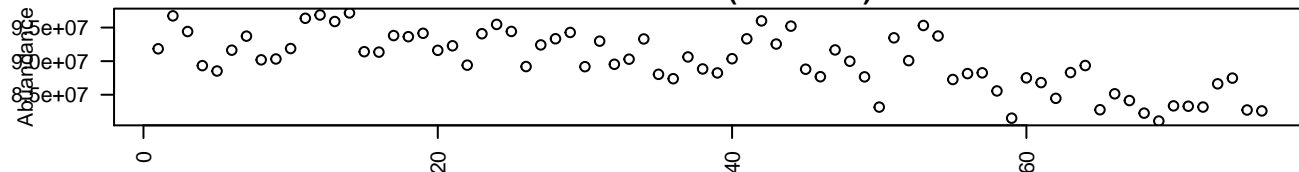
1/3-Methylhistidine (170.0 / 96.0)



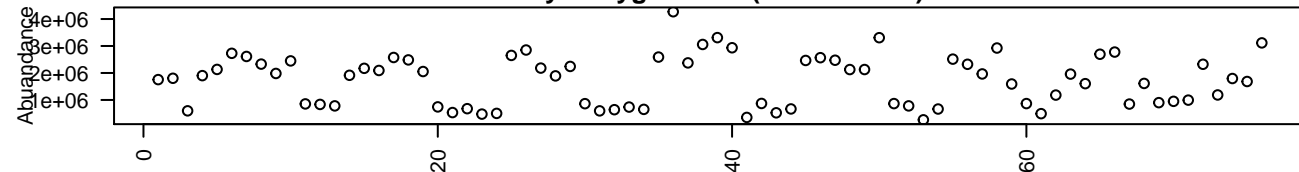
13-HODE (295.2 / 195.0)



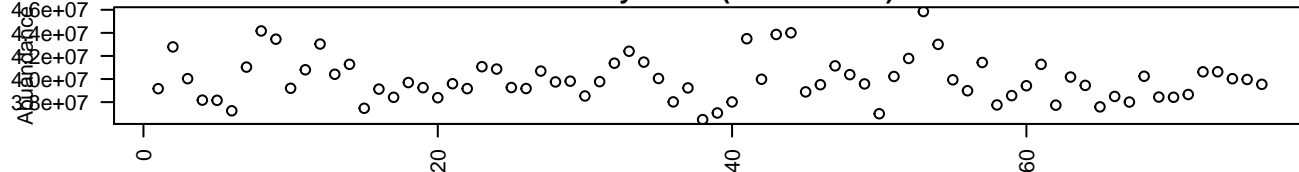
1C13-Lactate (90.0 / 44.0)



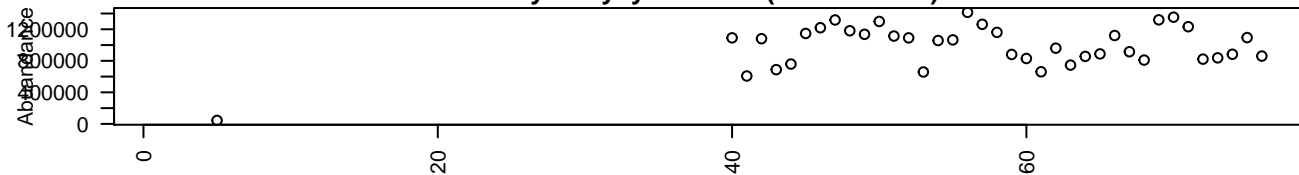
2-Hydroxyglutarate (147.0 / 129.0)



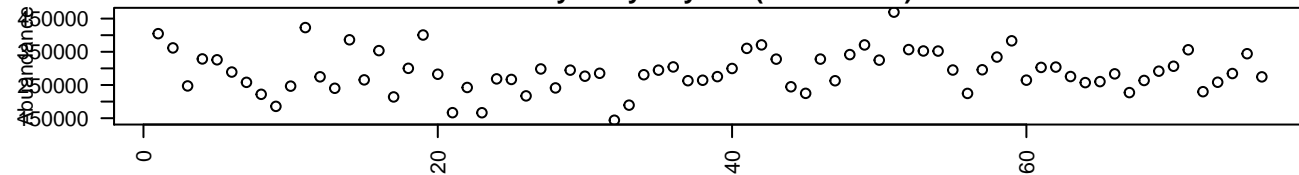
213C-Tyrosine (184.1 / 138.0)



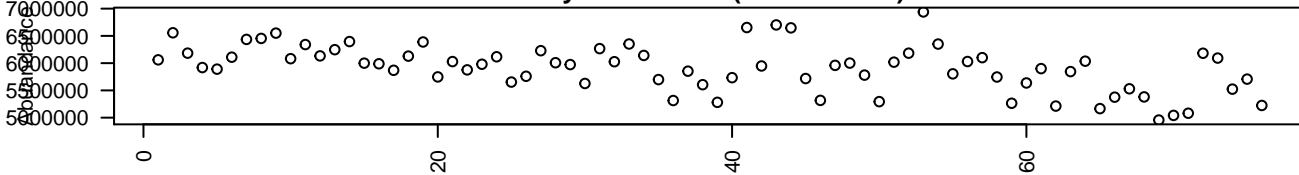
3-Hydroxykynurenine (225.2 / 110.1)



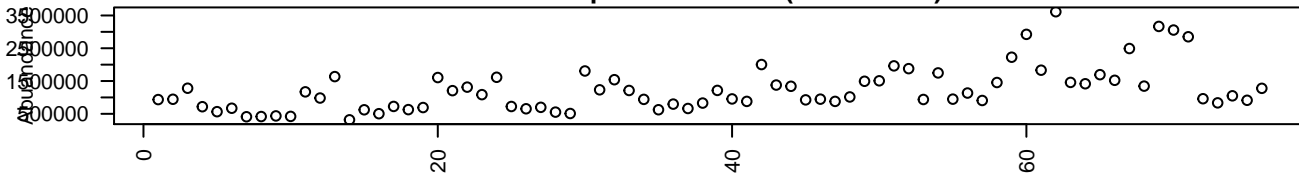
4-Hydroxybutyrate (105.0 / 77.0)



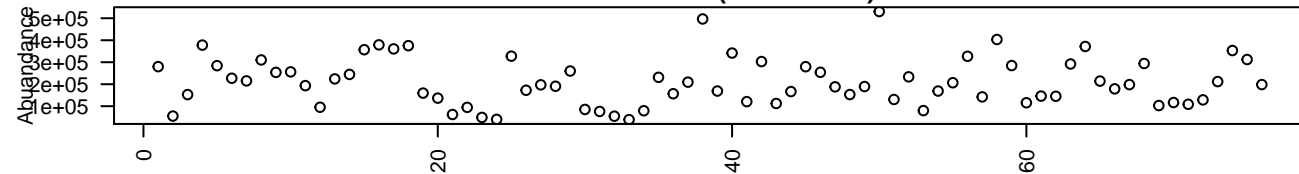
4-Pyridoxic acid (182.1 / 138.0)



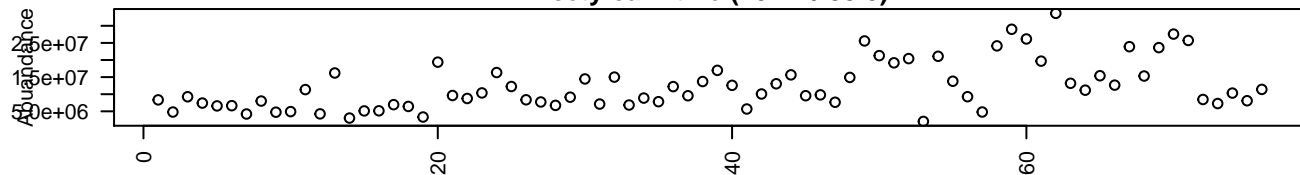
5-Aminopentanoic acid (118.0 / 55.0)



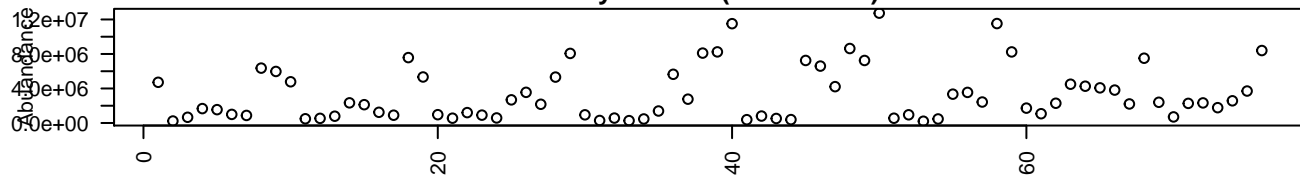
Acetoacetate (101.0 / 57.0)



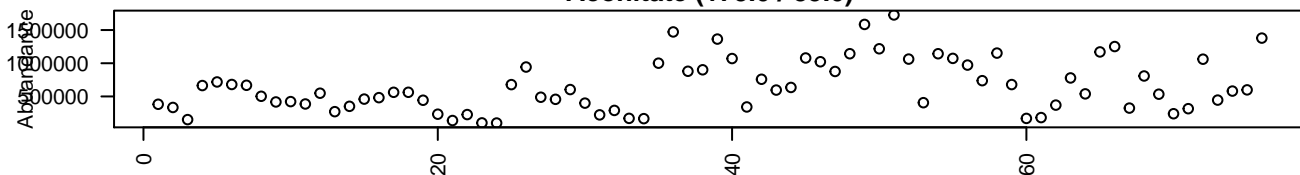
Acetylcarnitine (204.1 / 85.0)



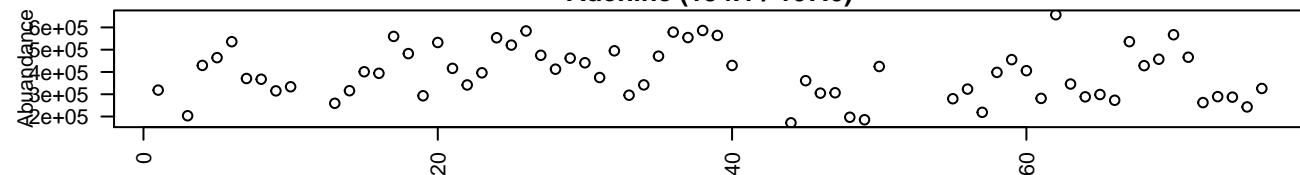
Acetylcholine (146.1 / 87.0)



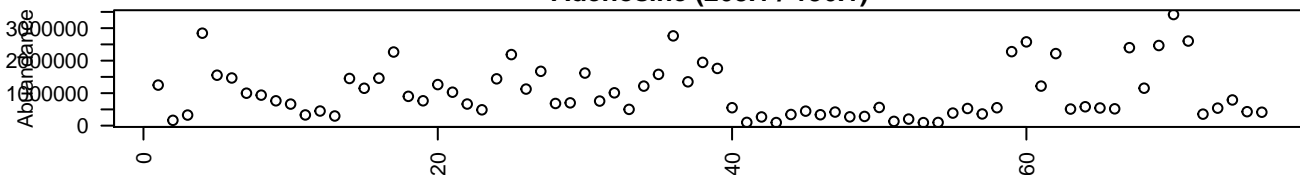
Aconitate (173.0 / 85.0)

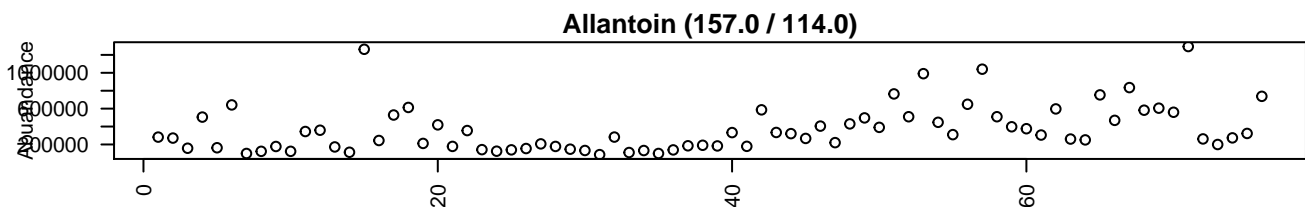
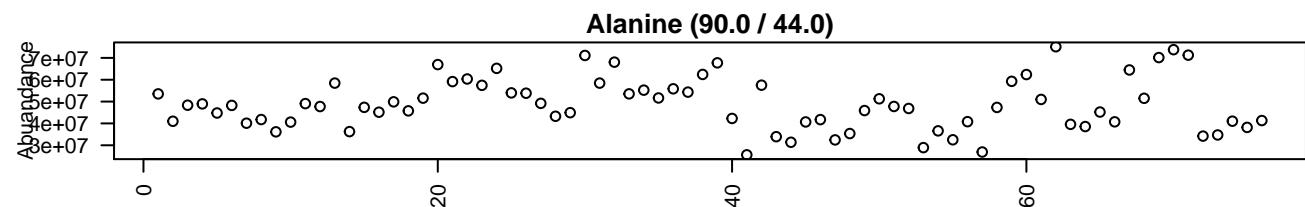
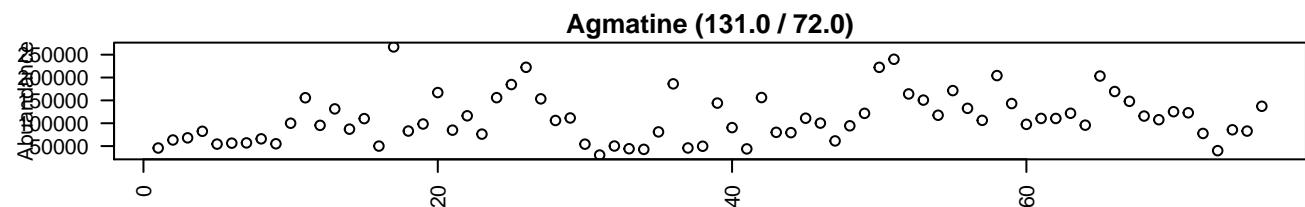
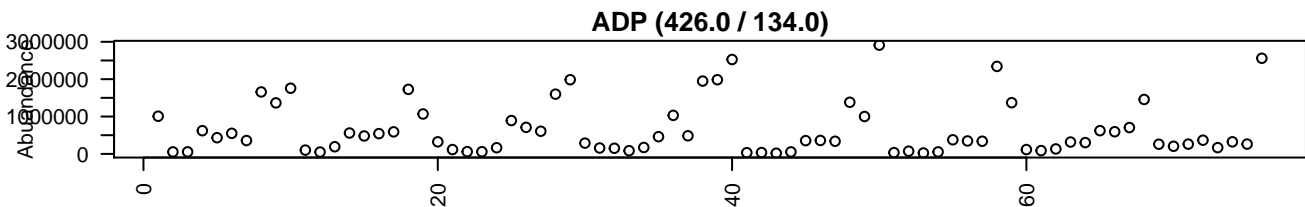
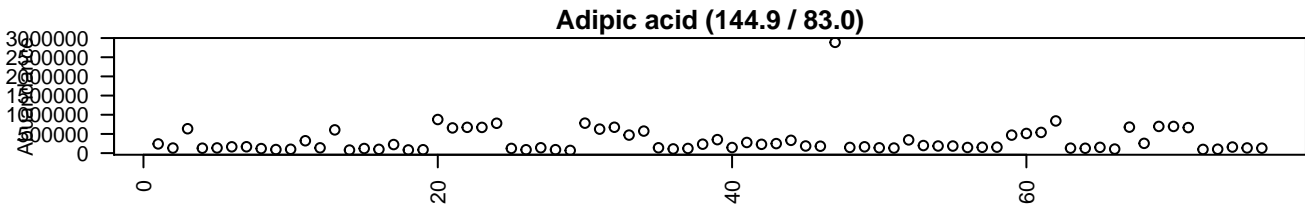


Adenine (134.1 / 107.0)

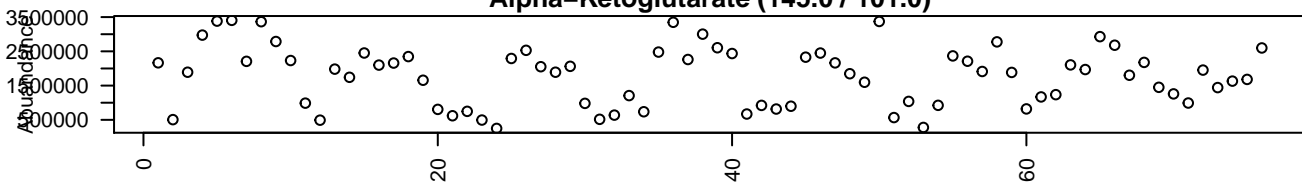


Adenosine (268.1 / 136.1)

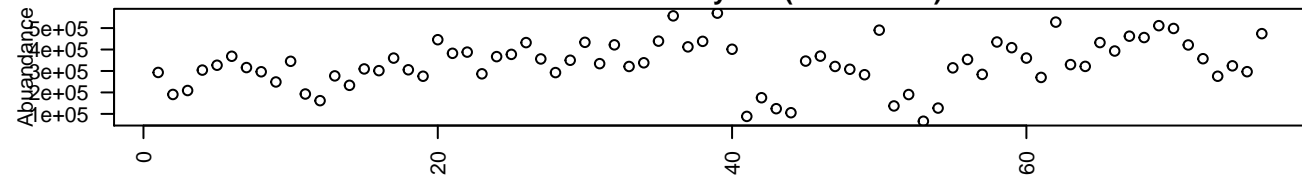




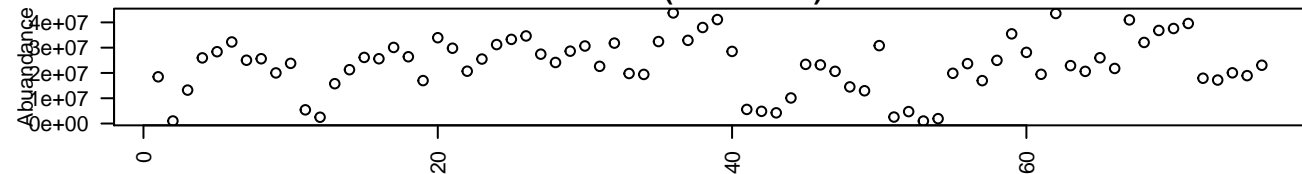
Alpha-Ketoglutarate (145.0 / 101.0)



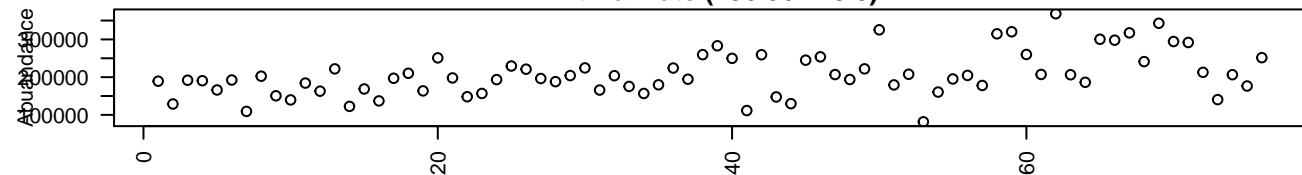
Beta-Aminoisobutyrate (104.1 / 86.0)



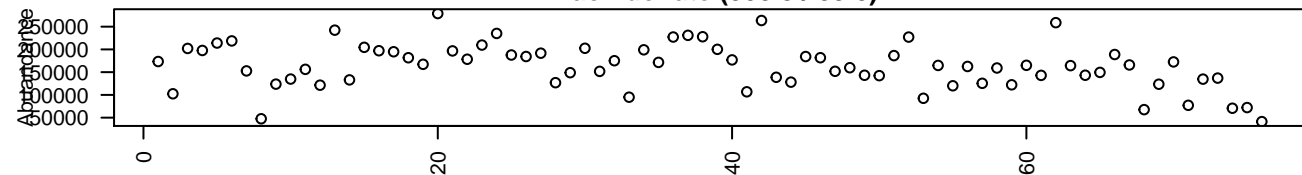
AMP (346.1 / 79.0)



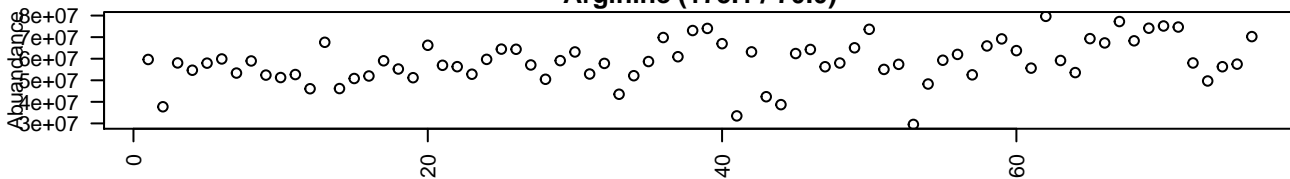
Anthranilate (136.0 / 118.0)



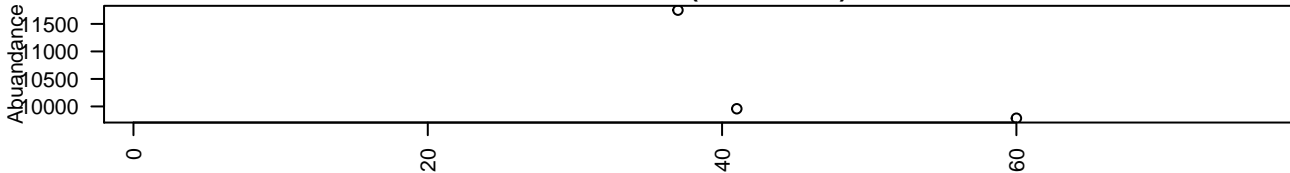
Arachidonate (303.3 / 59.0)



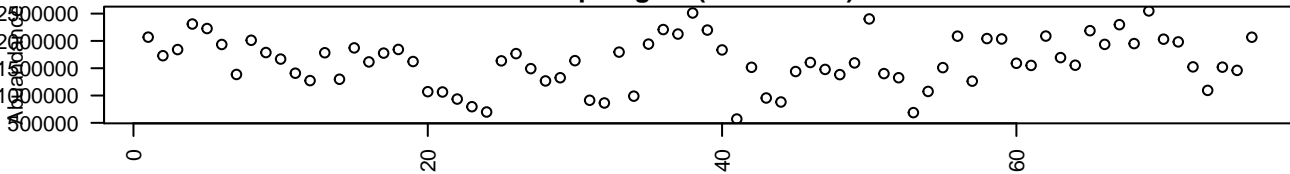
Arginine (175.1 / 70.0)



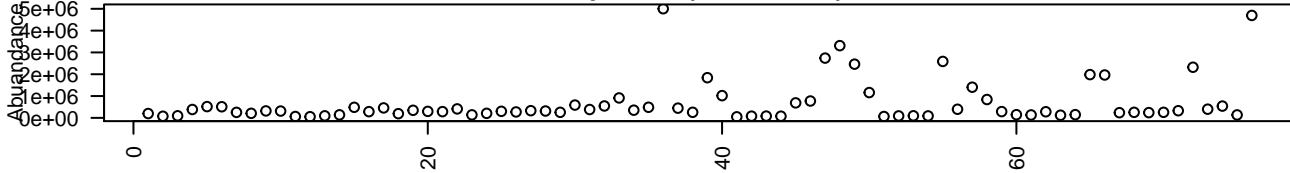
Ascorbate (175.0 / 87.0)



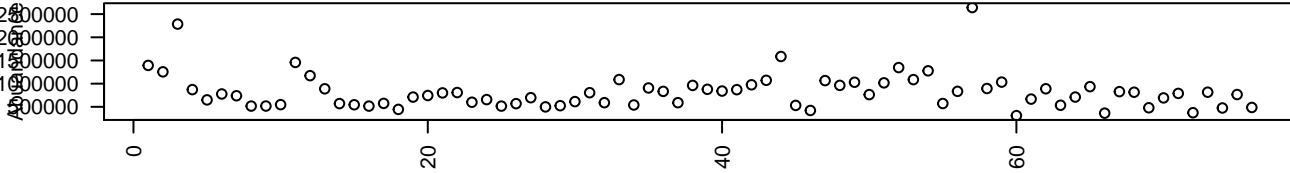
Asparagine (133.1 / 74.0)



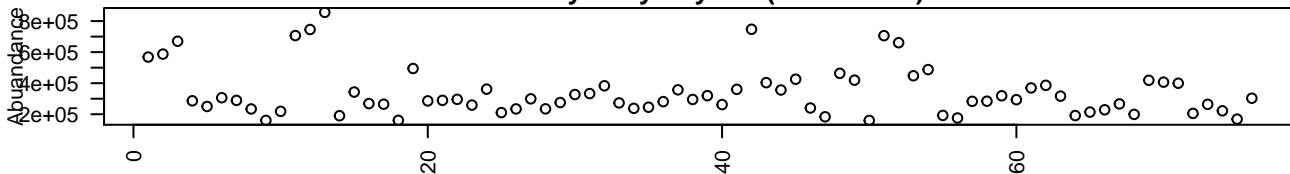
Aspartate (134.1 / 74.0)



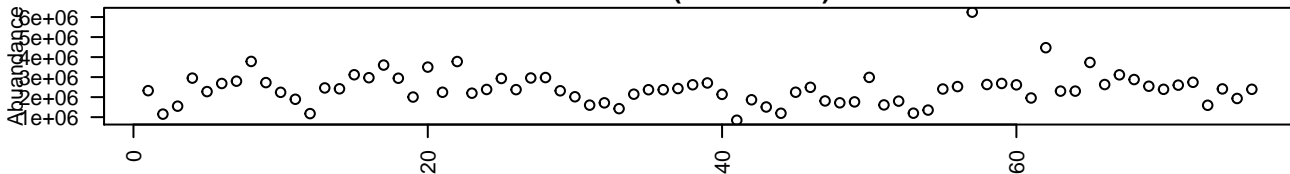
Azelaic acid (187.0 / 125.0)



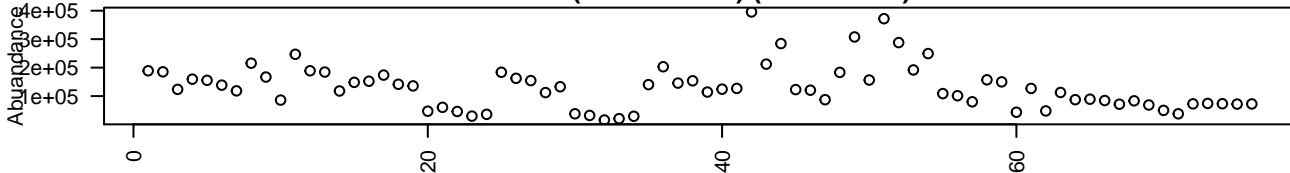
Beta-Hydroxybutyrate (103.0 / 59.0)



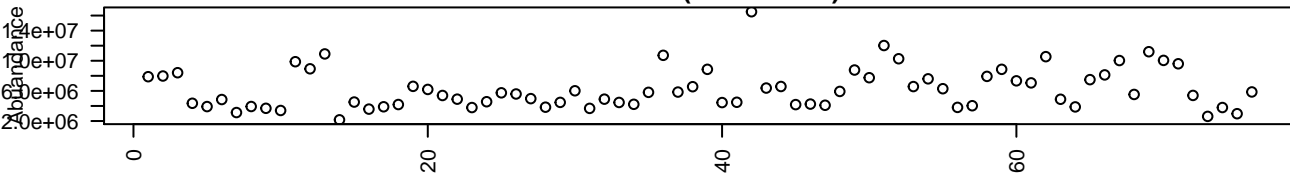
Betaine (118.0 / 58.0)



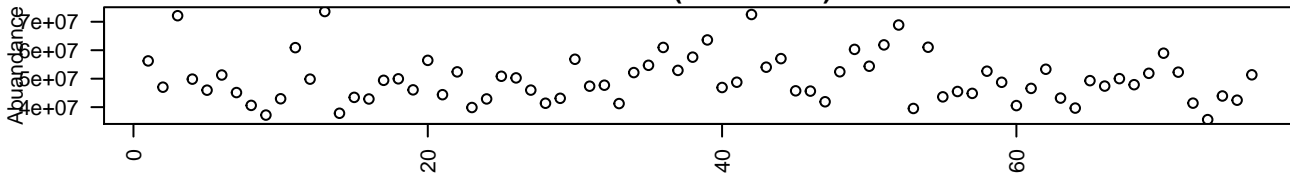
Biotin (243.1 / 200.0) (150.1 / 61.0)



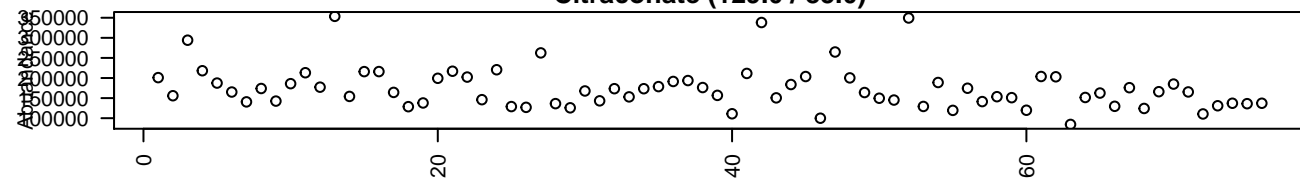
Carnitine (162.1 / 85.0)



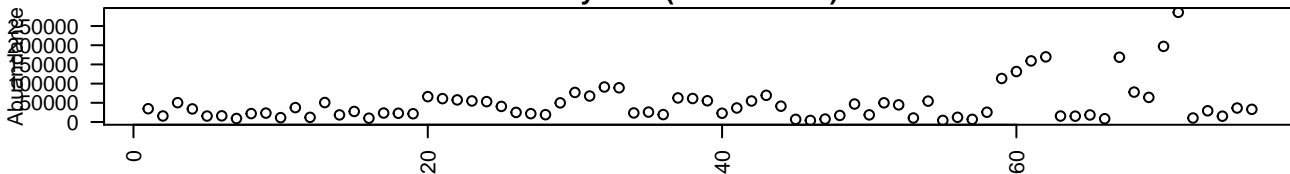
Choline (104.1 / 60.0)



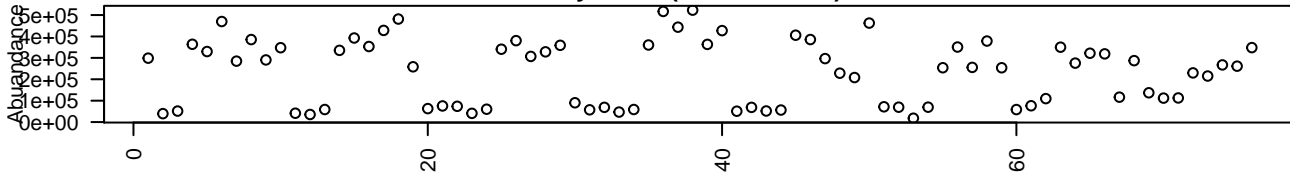
Citraconate (129.0 / 85.0)



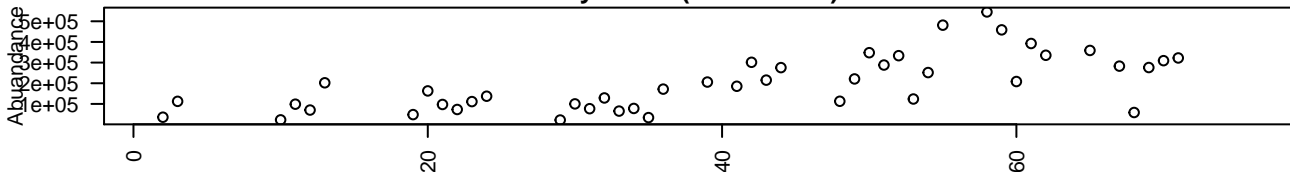
Cystine (241.1 / 120.0)



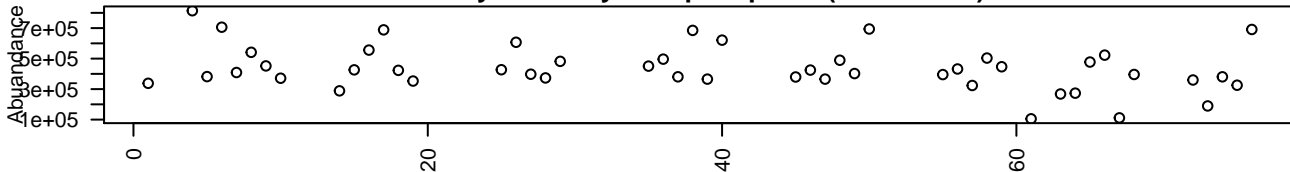
Cytidine (244.0 / 112.1)



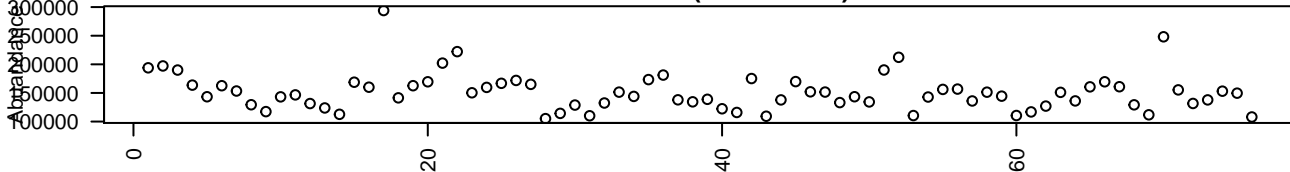
Cytosine (112.1 / 95.0)



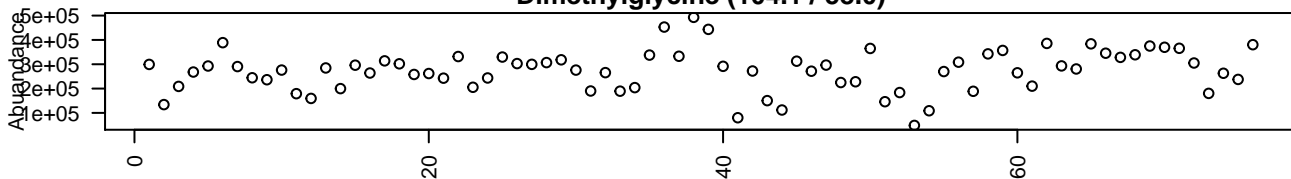
D-Glyceraldehyde 3-phosphate (168.9 / 97.0)



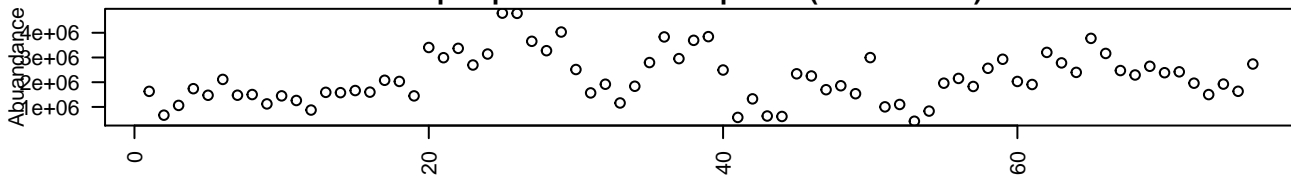
D-Leucate (131.0 / 85.0)



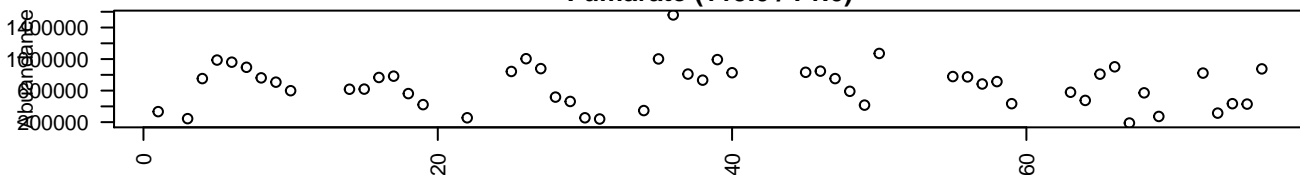
Dimethylglycine (104.1 / 58.0)



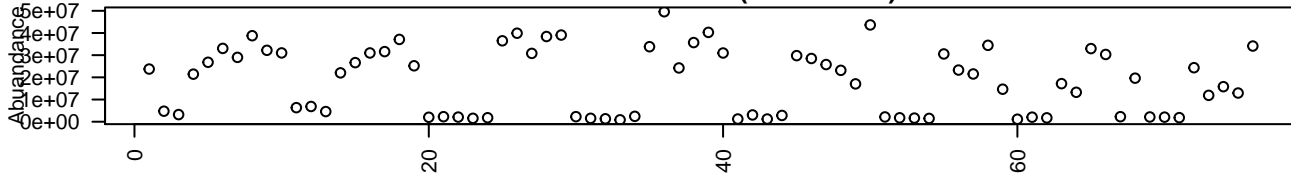
Epinephrine/Normetanephrine (184.1 / 166.2)



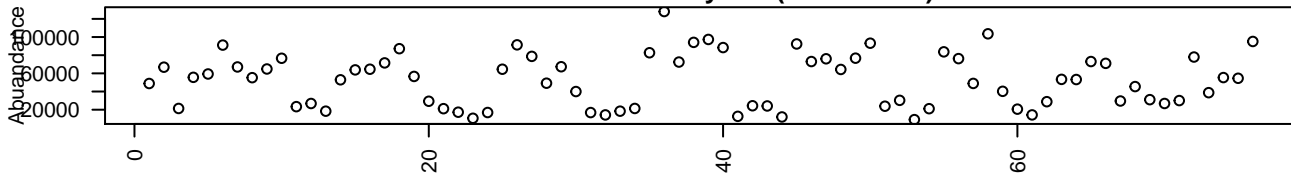
Fumarate (115.0 / 71.0)



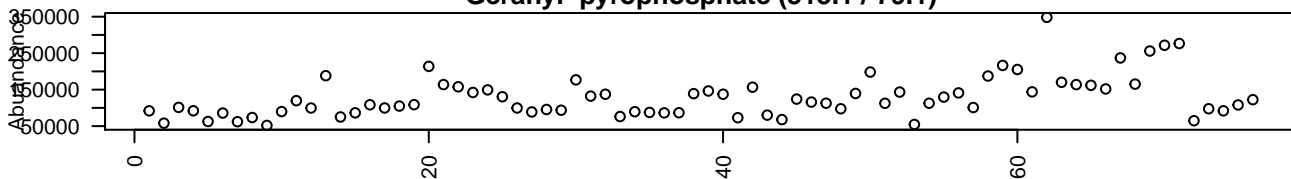
G1P/G6P/F6P/F1P (259.0 / 97.0)



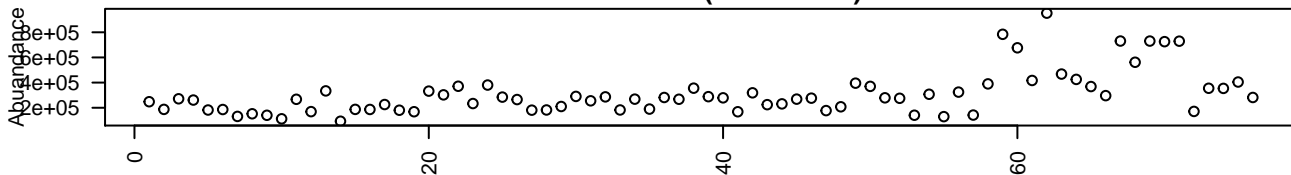
Gamma-Aminobutyrate (102.1 / 56.0)



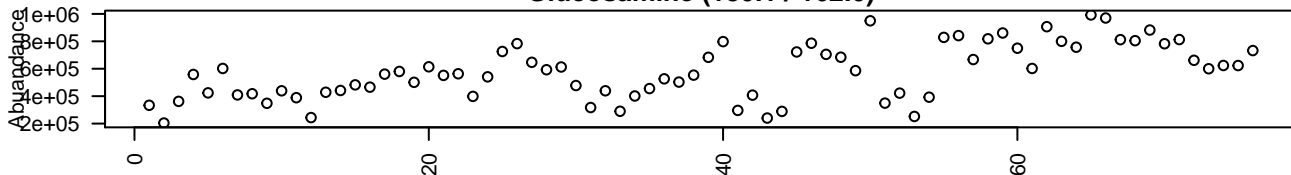
Geranyl-pyrophosphate (313.1 / 79.1)



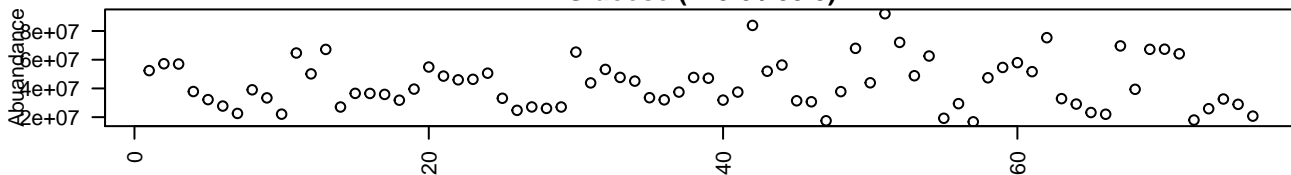
Glucuronate (193.0 / 73.0)



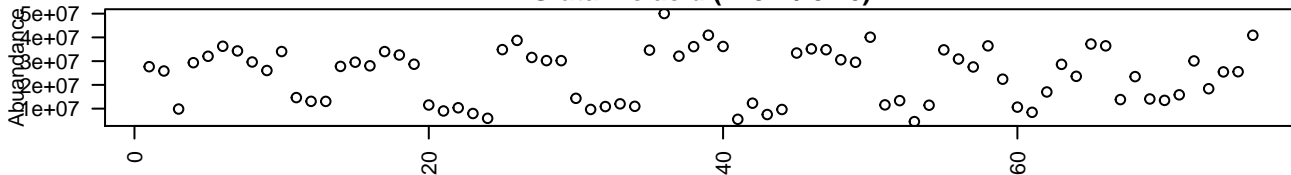
Glucosamine (180.1 / 162.0)



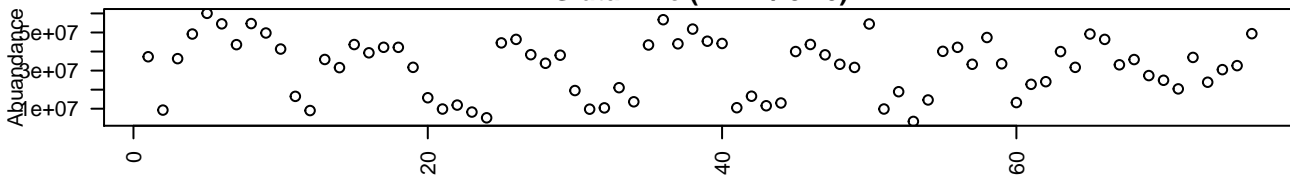
Glucose (179.0 / 89.0)



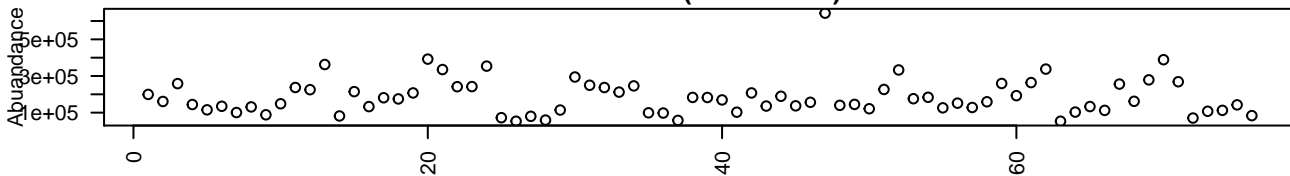
Glutamic acid (148.1 / 84.0)



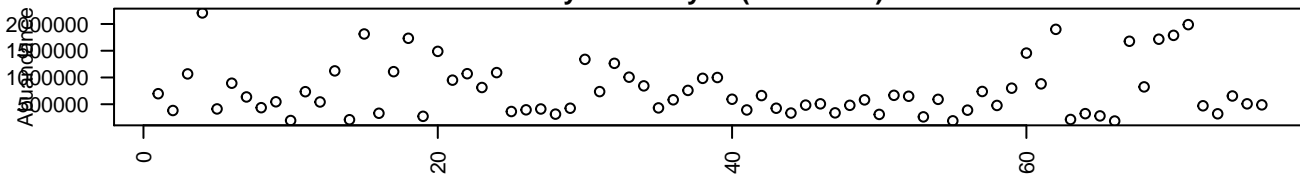
Glutamine (147.1 / 84.0)



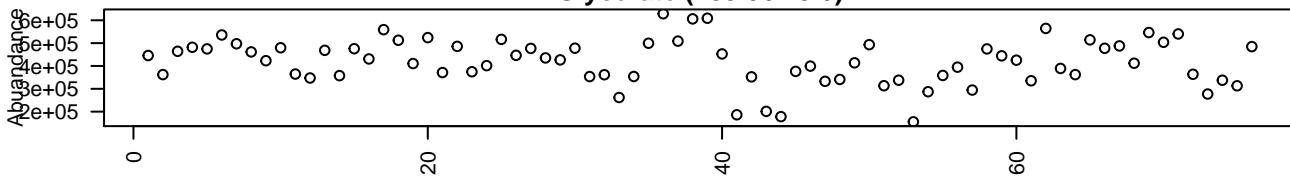
Glutarate (131.0 / 87.0)



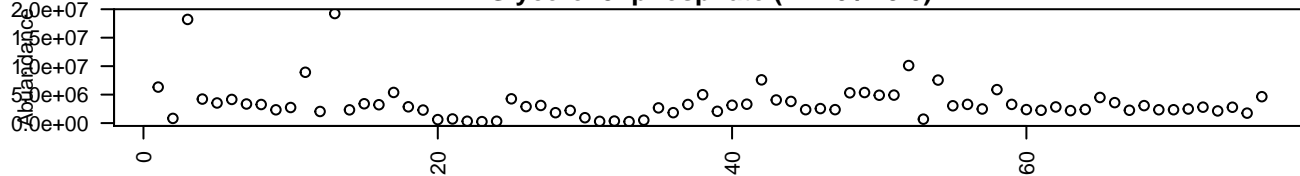
Glyceraldehyde (89.0 / 59.0)



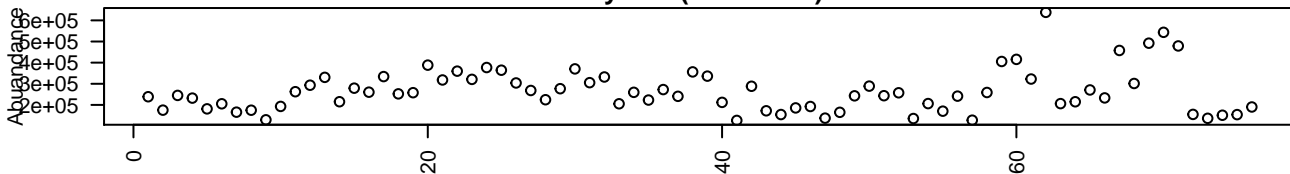
Glycerate (105.0 / 75.0)



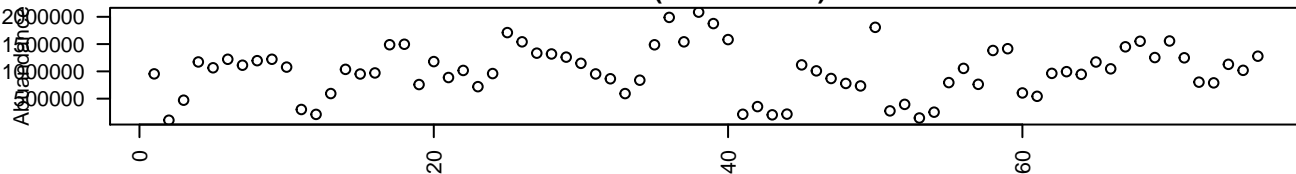
Glycerol 3-phosphate (171.0 / 79.0)



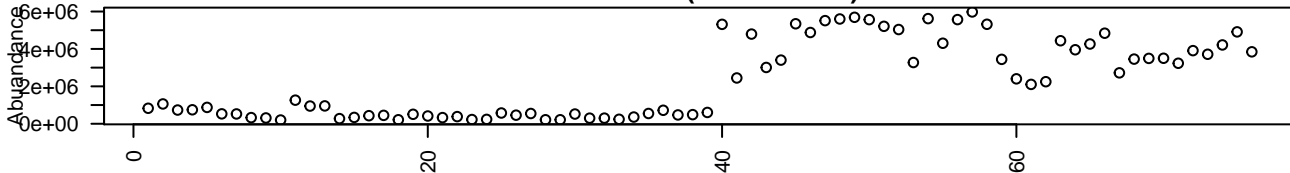
Glycine (76.0 / 30.1)



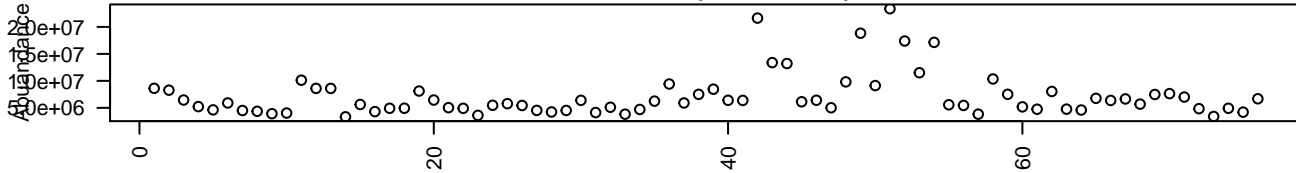
GMP (364.1 / 151.8)



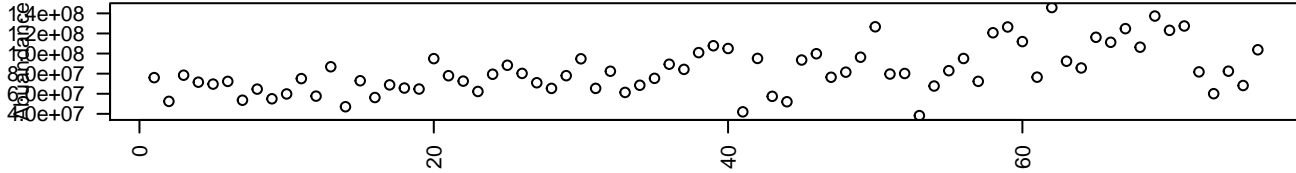
Guanosine (284.0 / 152.1)



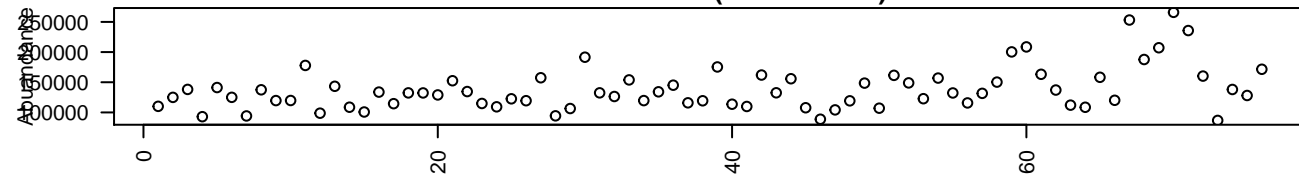
Histamine (112.0 / 95.0)



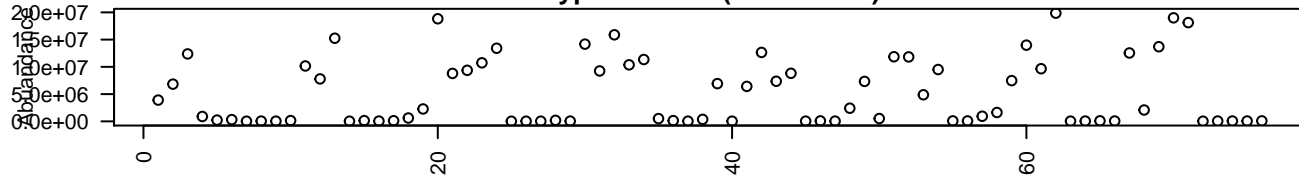
Histidine (156.1 / 110.0)



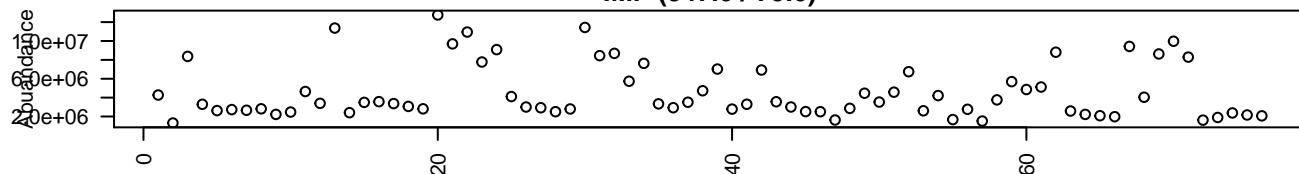
Homovanilate (181.0 / 137.0)



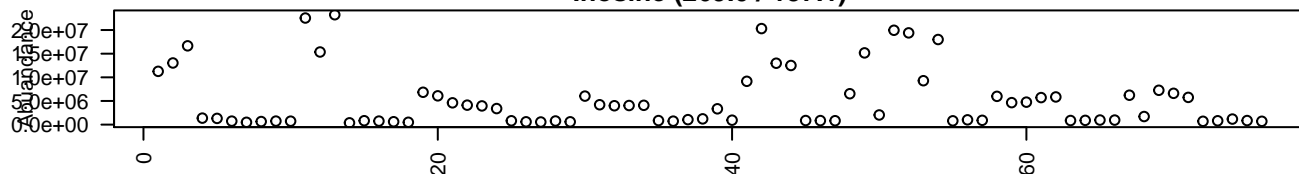
Hypoxanthine (135.0 / 92.0)



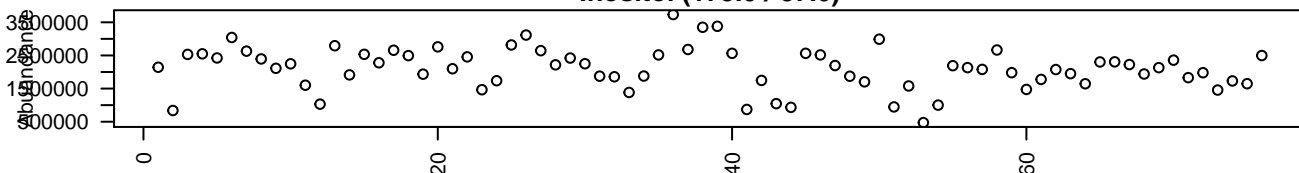
IMP (347.0 / 79.0)



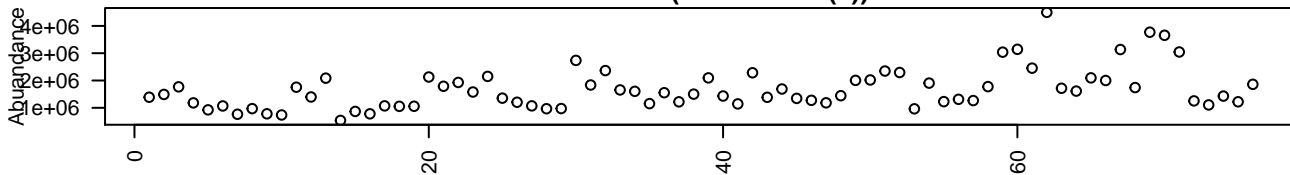
Inosine (269.0 / 137.1)



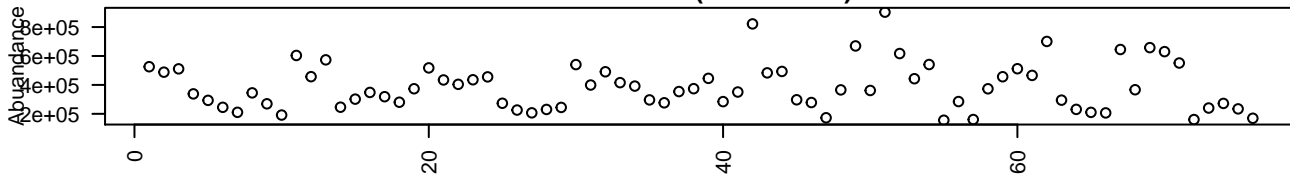
Inositol (179.0 / 87.0)



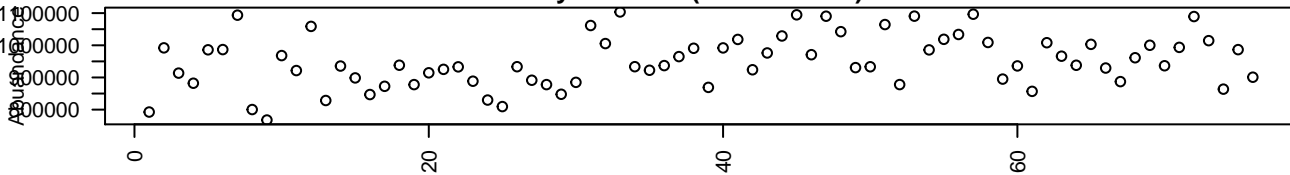
Isoleucine (132.1 / 86.0 (2))



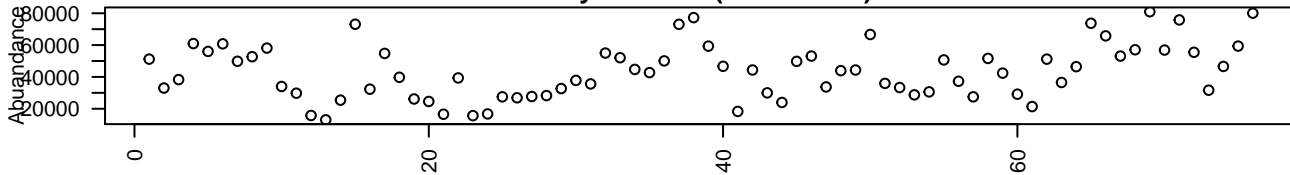
Isovalerate (101.0 / 83.0)



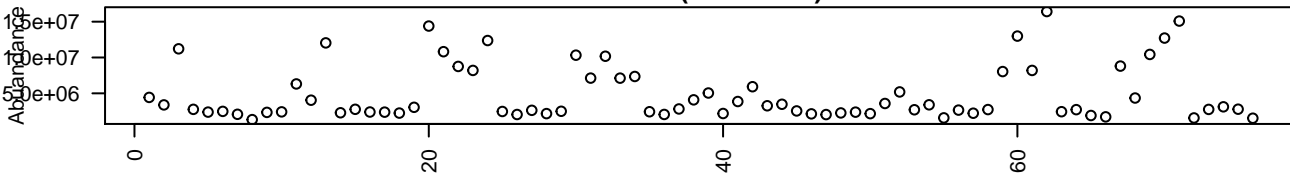
Kynurenate (188.0 / 143.8)



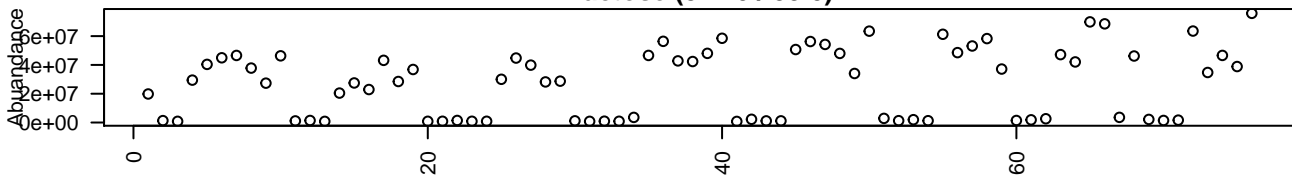
L-Kynurenine (209.1 / 94.0)



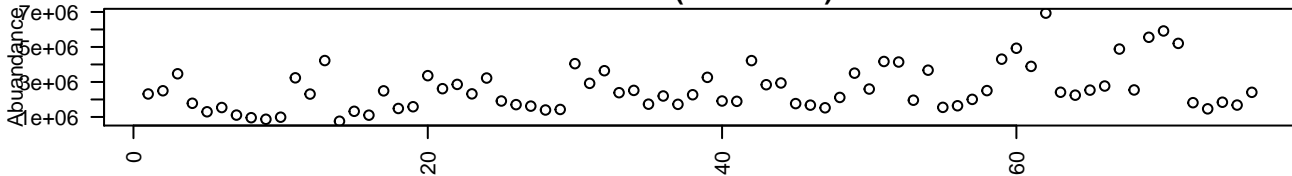
Lactate (89.0 / 43.0)



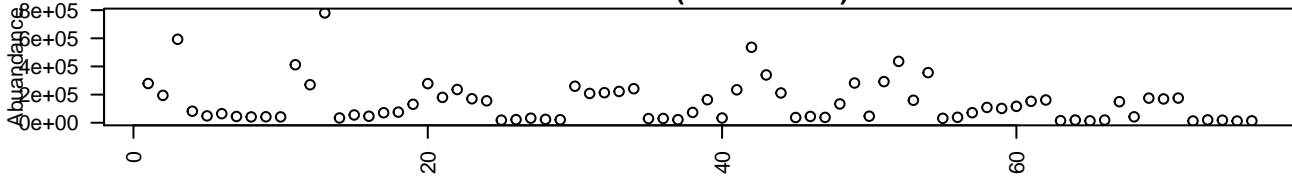
Lactose (341.0 / 59.0)



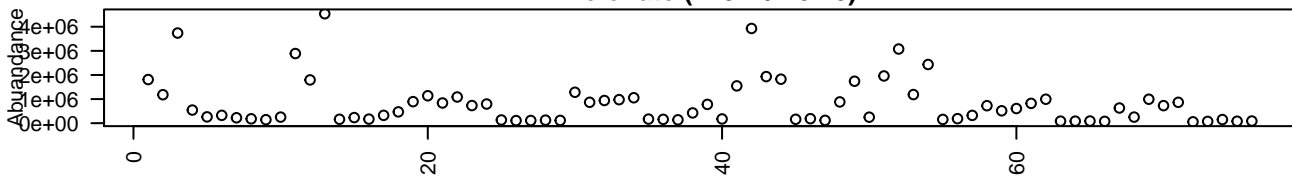
Leucine (132.1 / 86.0)



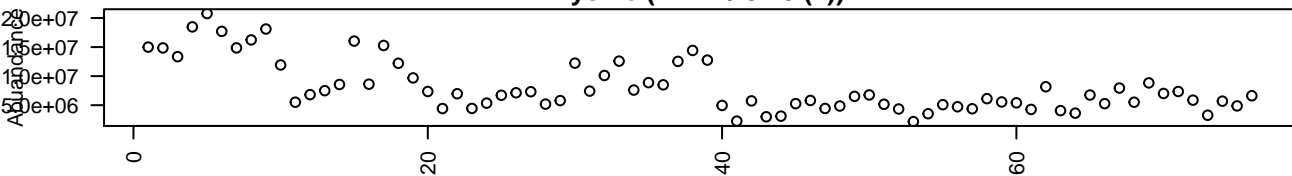
Linoleate (277.1 / 259.0)



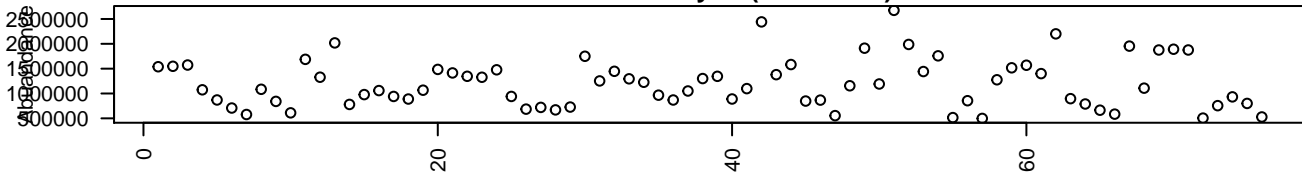
Linolenate (279.1 / 261.0)



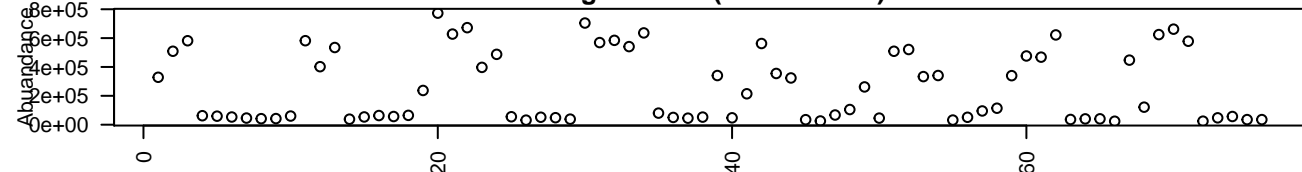
Lysine (147.1 / 84.0 (2))



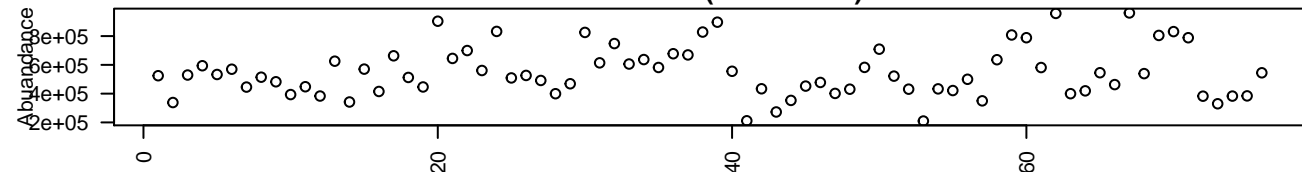
Malondialdehyde (71.0 / 41.0)



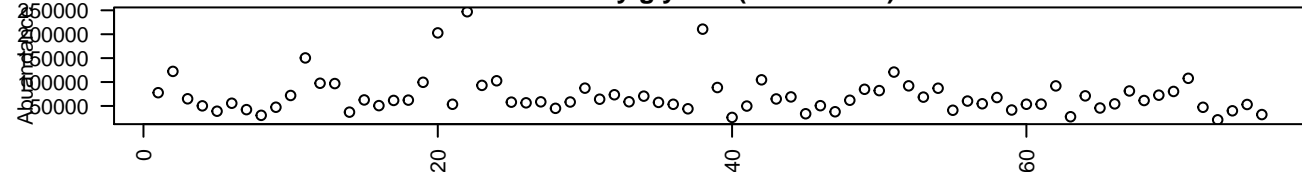
Margaric acid (269.1 / 251.3)



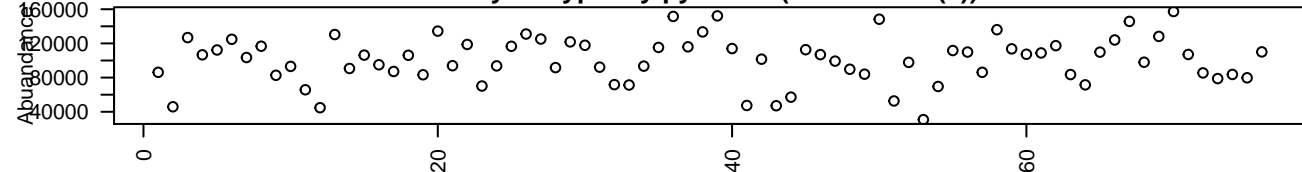
Methionine (150.1 / 61.0)



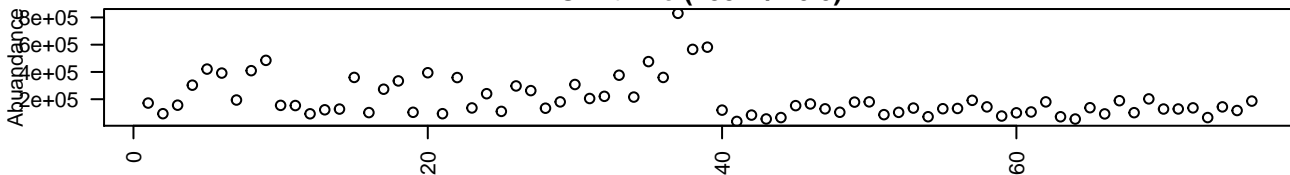
N-Acetylglycine (116.0 / 74.0)



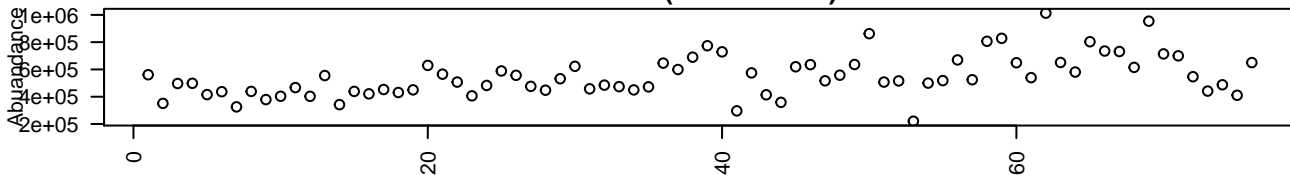
4-Hydroxyphenylpyruvate (179.0 / 89.0 (4))



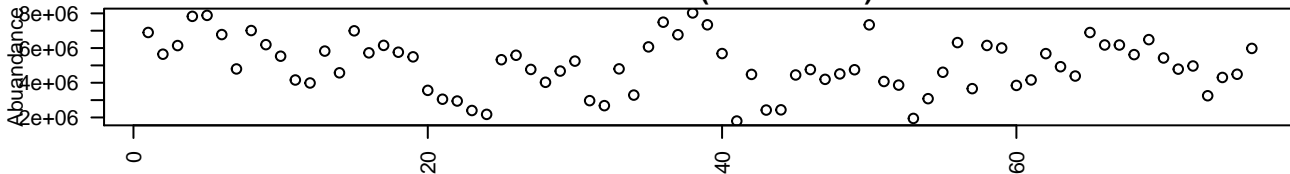
Ornithine (133.1 / 70.0)



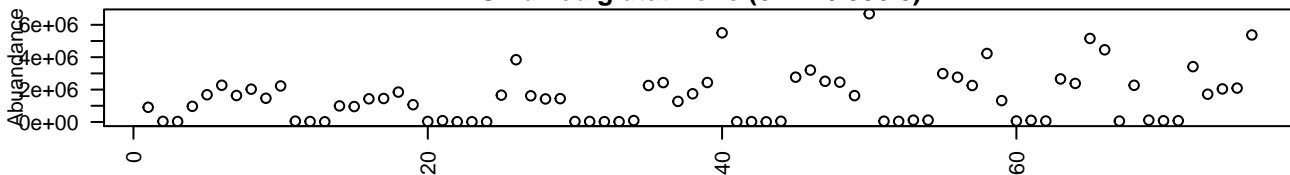
Orotate (155.0 / 111.0)



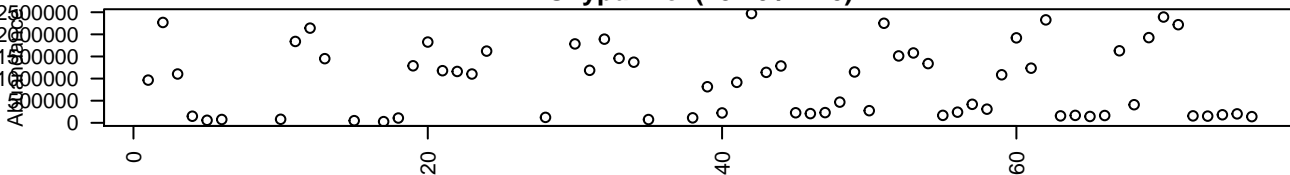
Oxaloacetate (131.0 / 113.0)



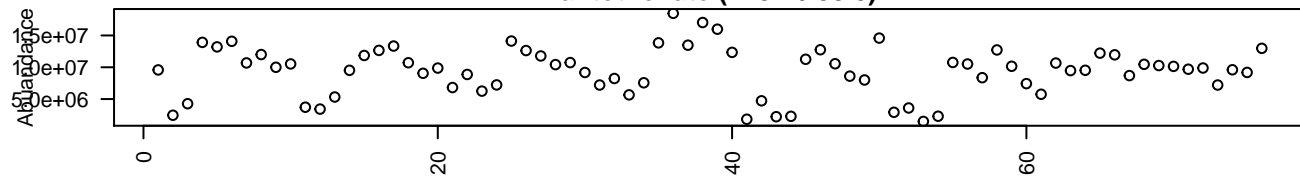
Oxidized glutathione (611.2 / 306.0)



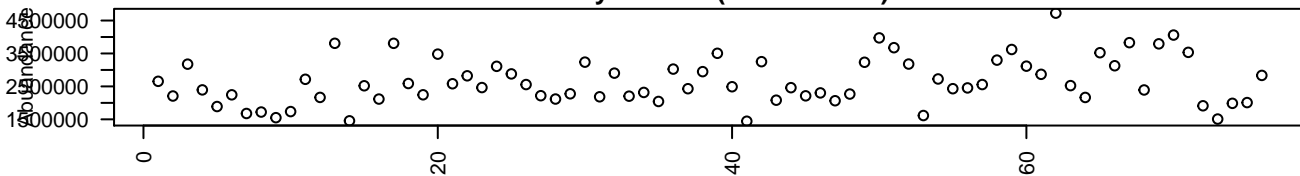
Oxypurinol (151.0 / 42.0)



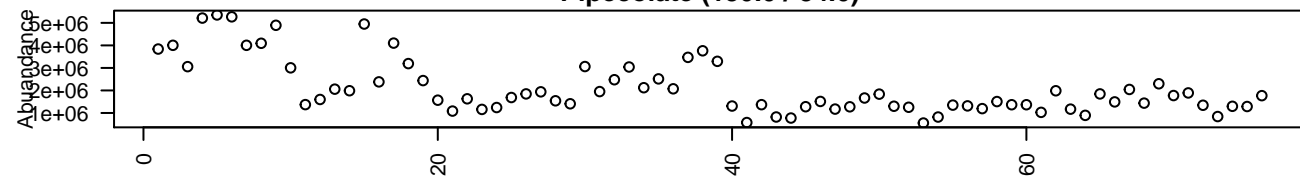
Pantothenate (218.1 / 88.0)



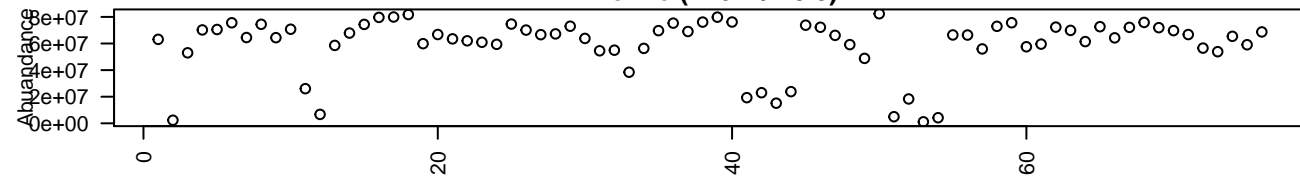
Phenylalanine (166.1 / 120.0)



Pipecolate (130.0 / 84.0)



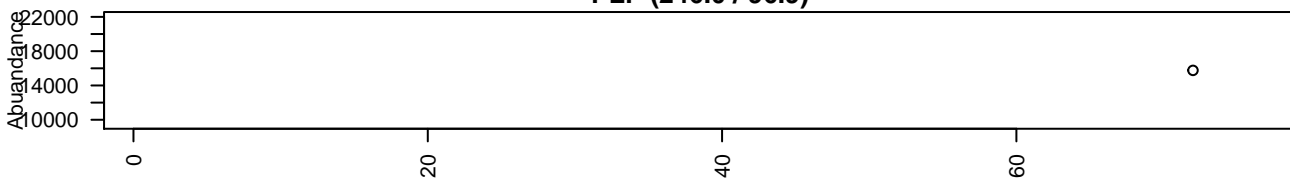
Proline (116.1 / 70.0)



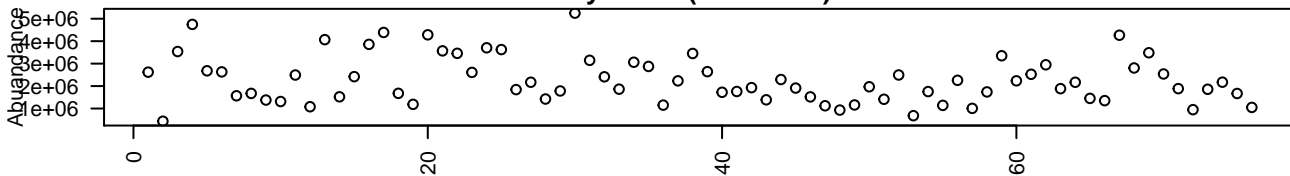
Putrescine (89.0 / 72.0)



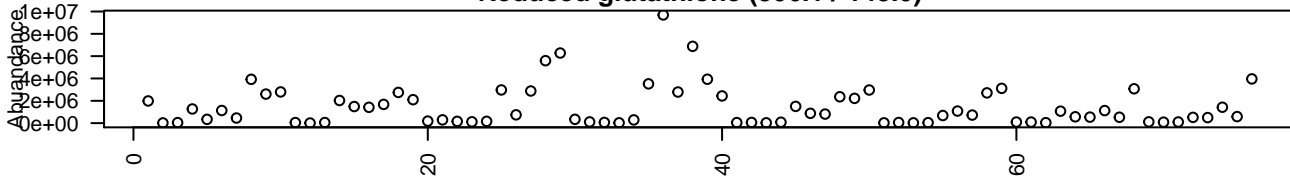
PLP (246.0 / 96.9)



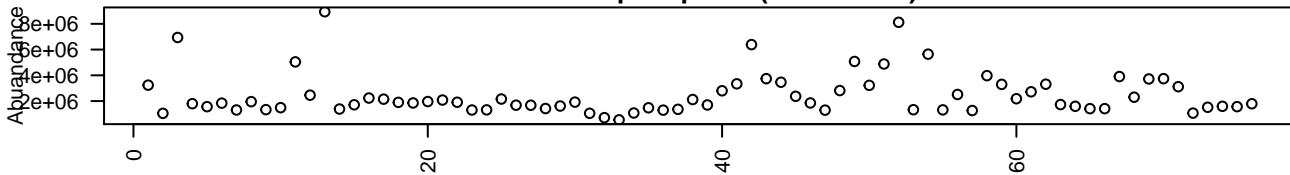
Pyruvate (87.0 / 43.0)



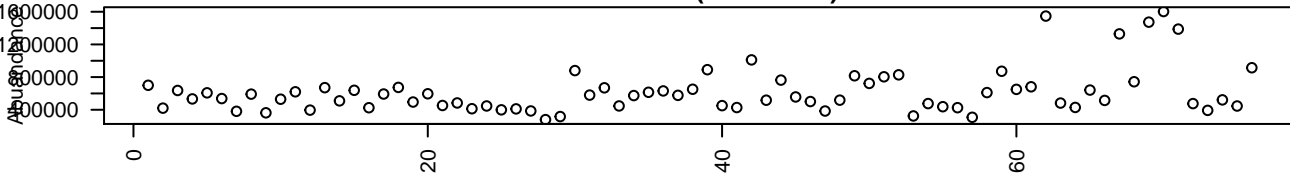
Reduced glutathione (306.1 / 143.0)



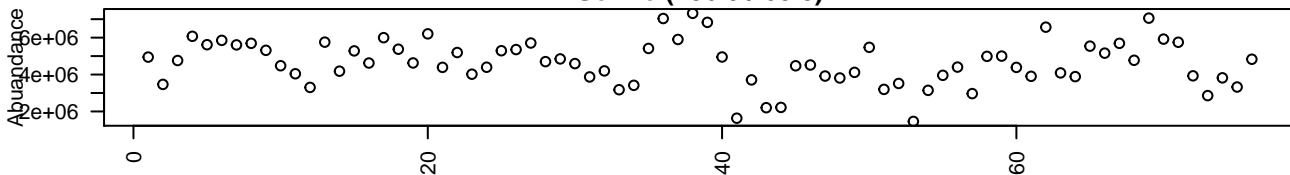
Ribose-5-phosphate (229.0 / 79.0)



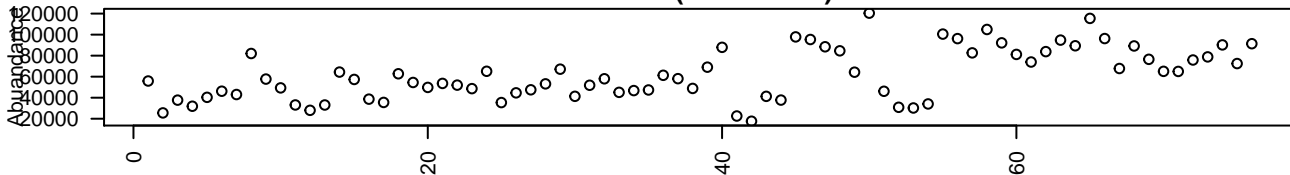
Sarcosine (89.9 / 44.0)



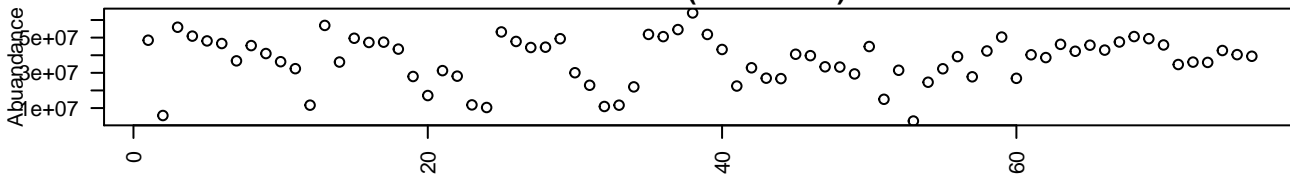
Serine (106.0 / 60.0)



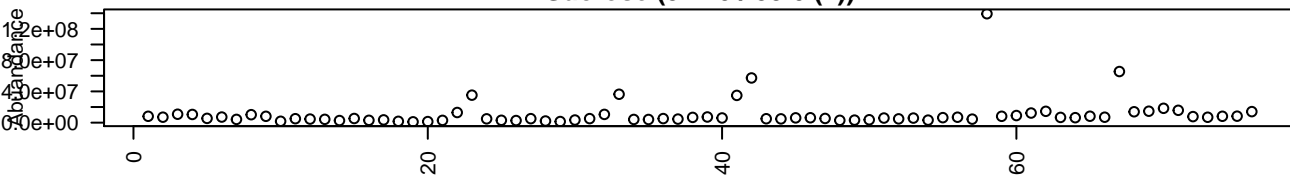
Sorbitol (183.0 / 91.0)



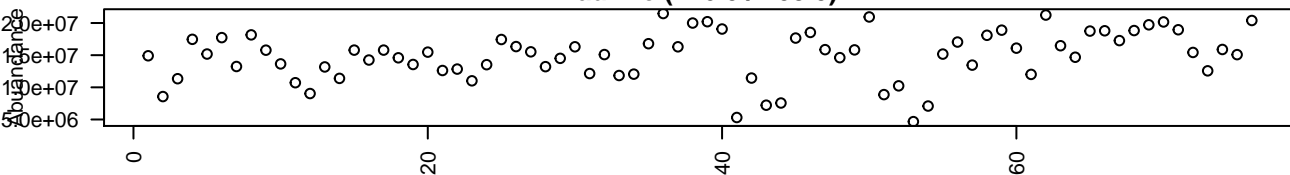
Succinate (117.0 / 73.0)



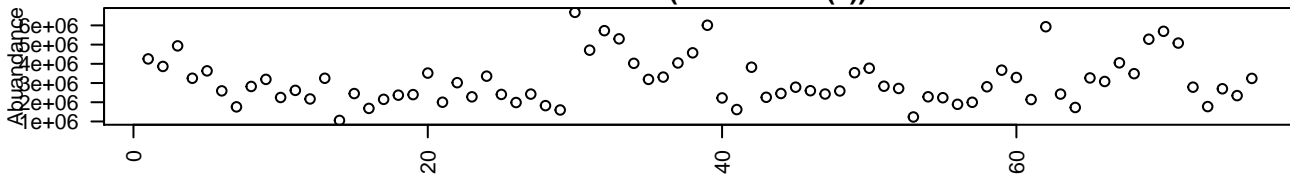
Sucrose (341.0 / 59.0 (2))



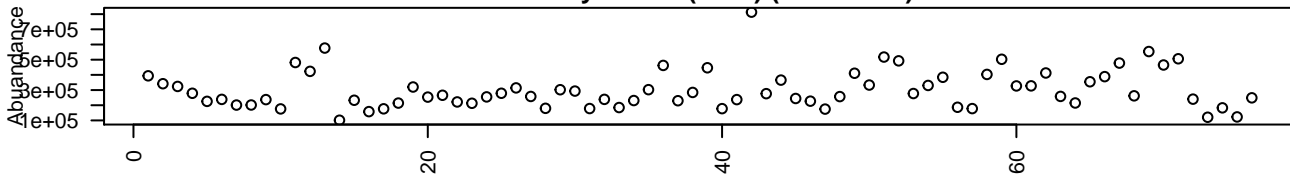
Taurine (126.0 / 108.0)



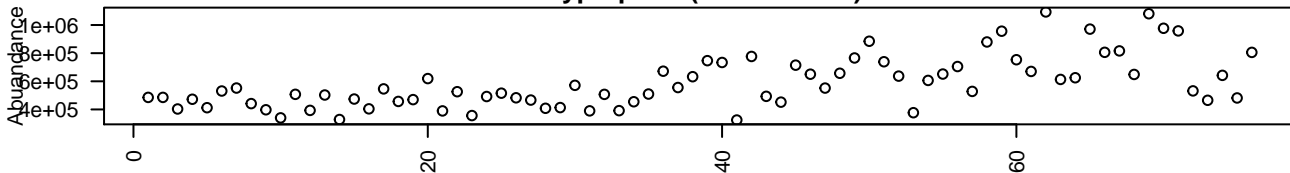
Threonine (120.1 / 74.0 (2))



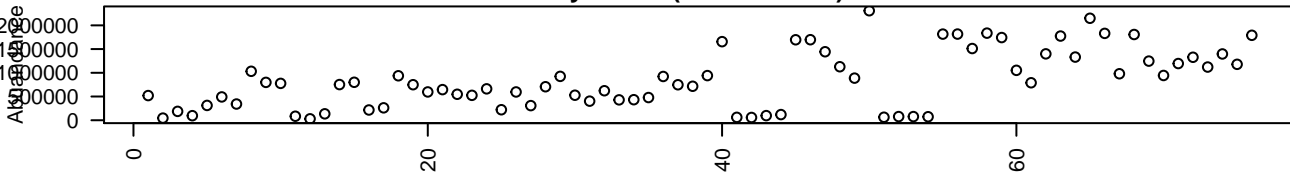
Trimethylamine (TMA) (60.0 / 44.0)



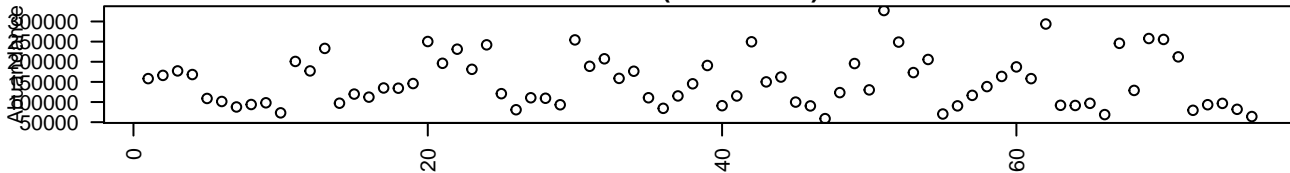
Tryptophan (205.1 / 146.0)



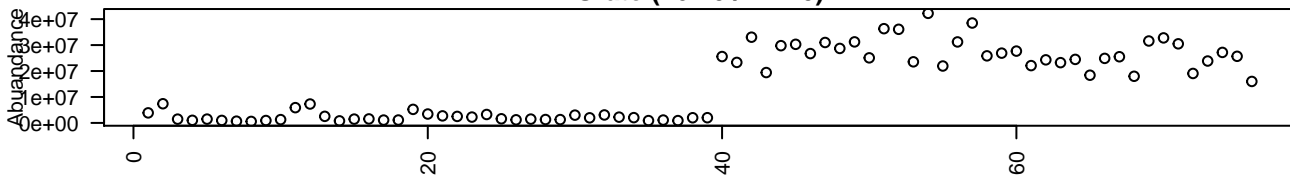
Tyrosine (182.1 / 136.0)



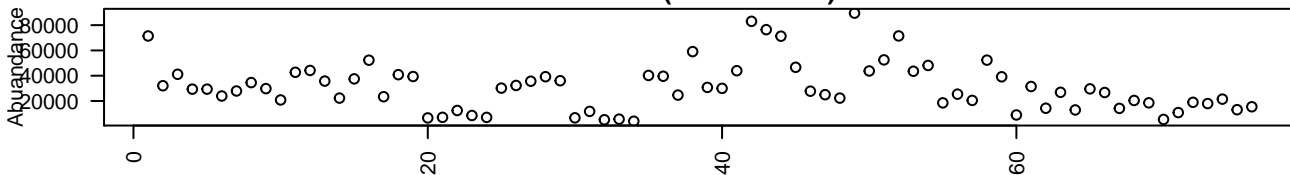
Uracil (111.0 / 42.0)



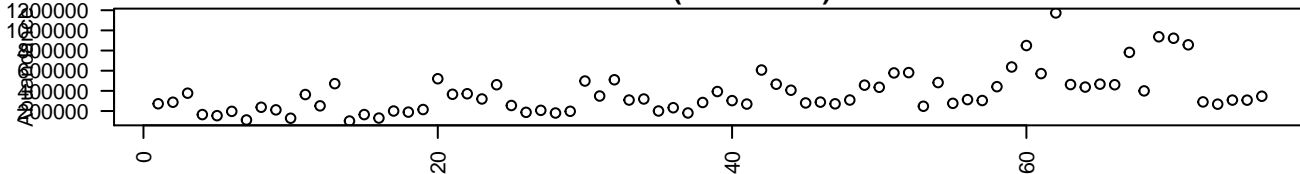
Urate (167.0 / 124.0)



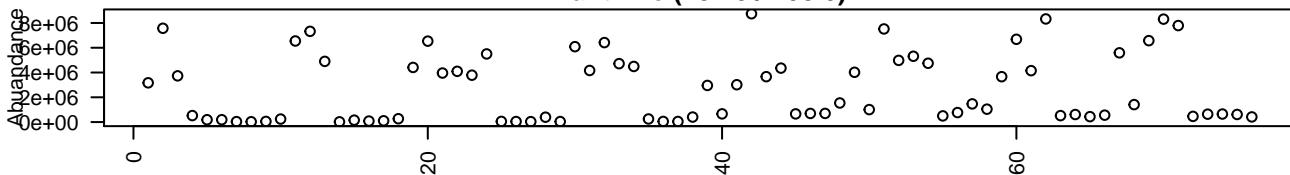
Uridine (245.0 / 113.1)



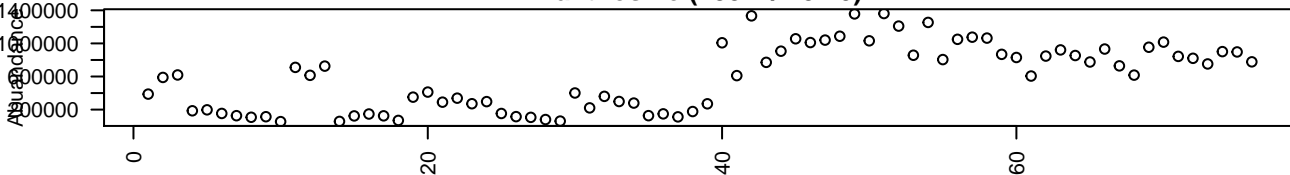
Valine (118.1 / 72.0)



Xanthine (151.0 / 108.0)



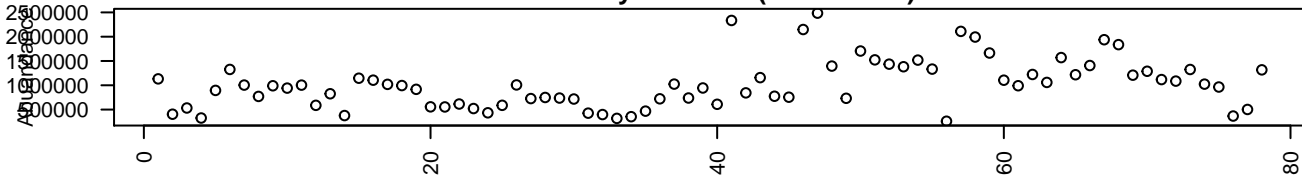
Xanthosine (283.1 / 151.0)



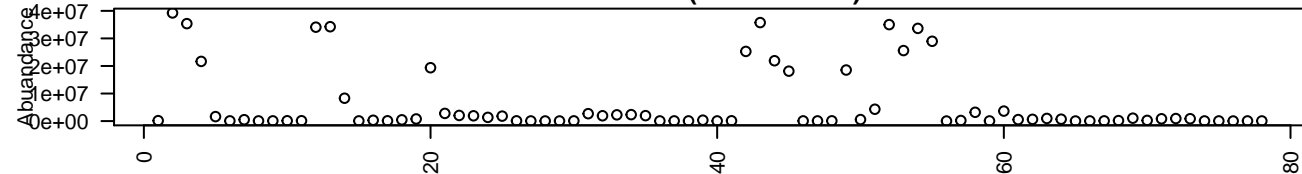
Xanthurenate (204.0 / 160.0)



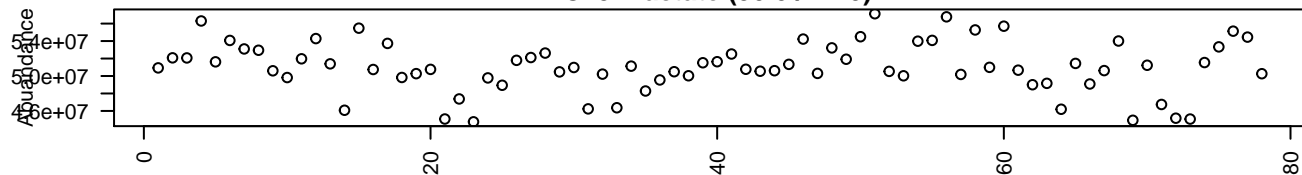
1/3-Methylhistidine (170.0 / 96.0)



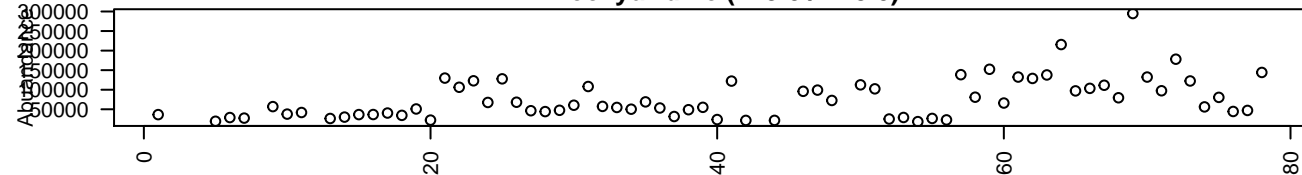
13-HODE (295.2 / 195.0)



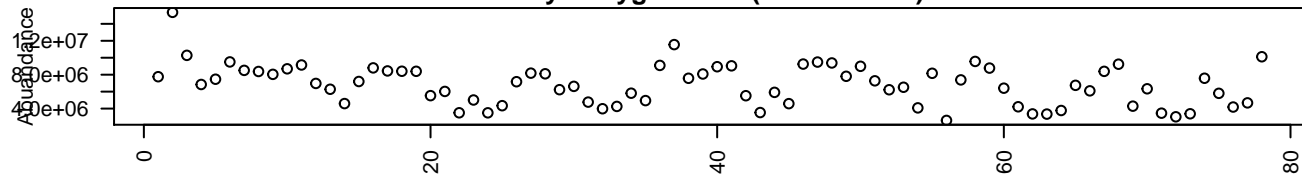
1C13-Lactate (90.0 / 44.0)



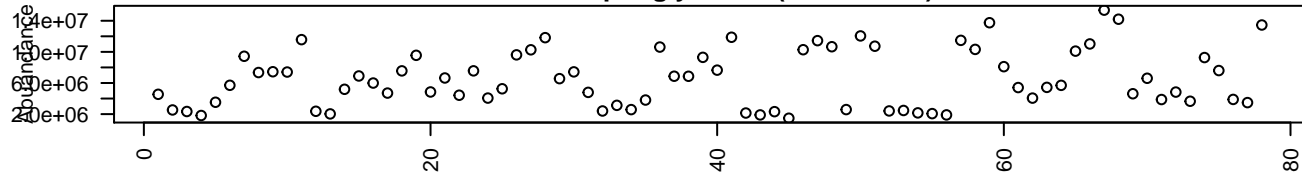
2-Deoxyuridine (229.0 / 113.0)



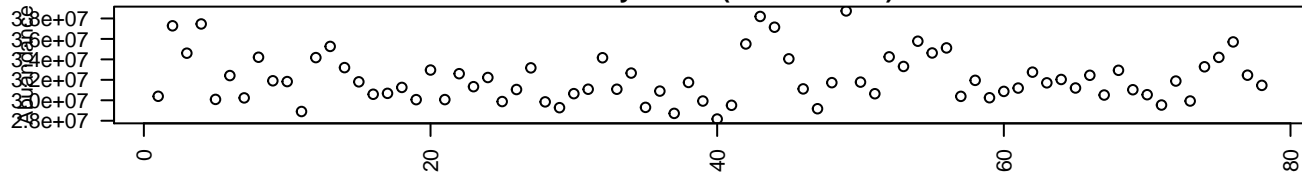
2-Hydroxyglutarate (147.0 / 129.0)



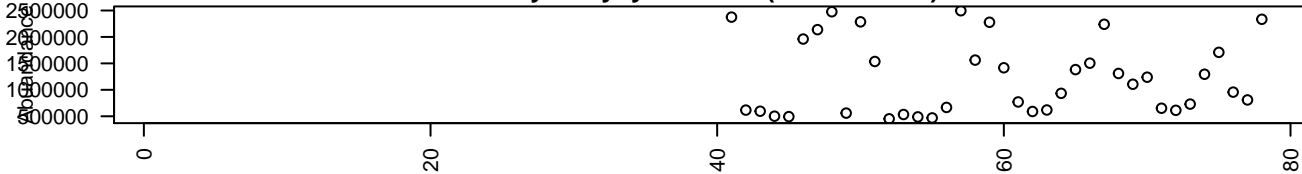
2/3-Phosphoglycerate (185.0 / 97.0)



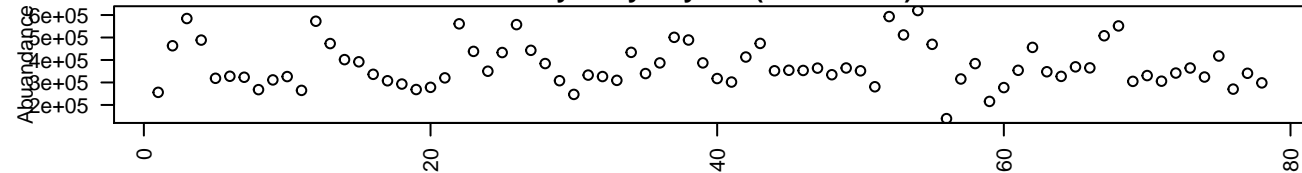
213C-Tyrosine (184.1 / 138.0)

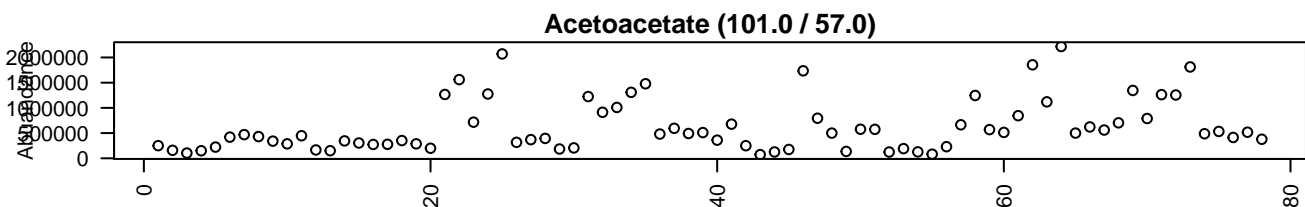
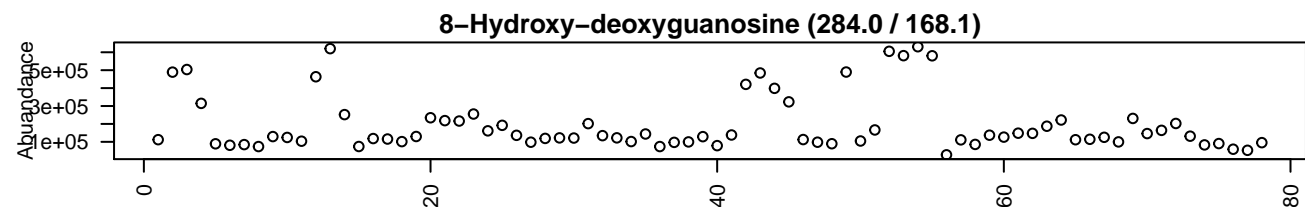
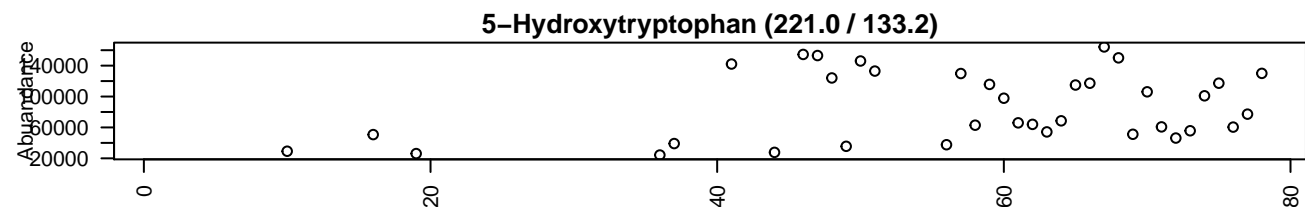
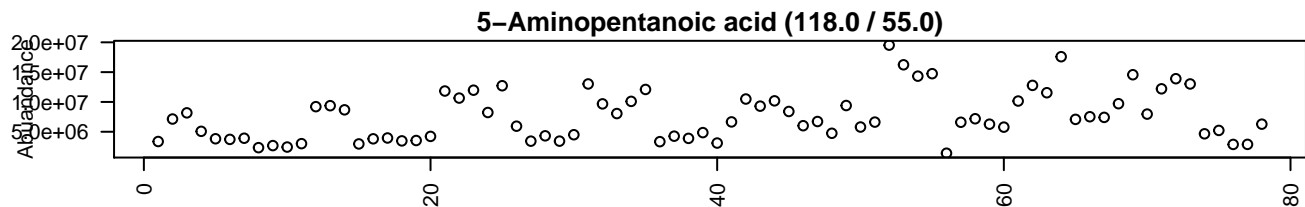
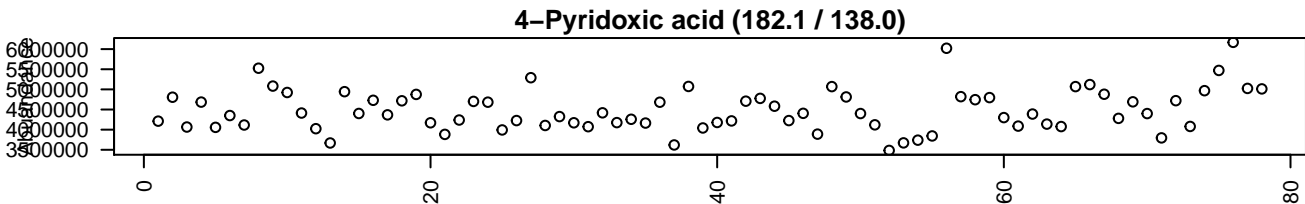


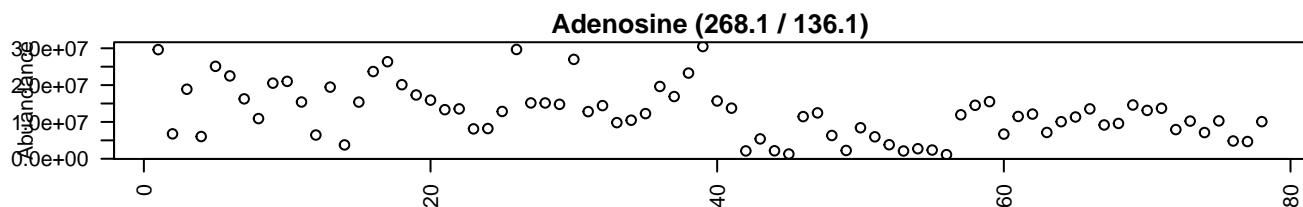
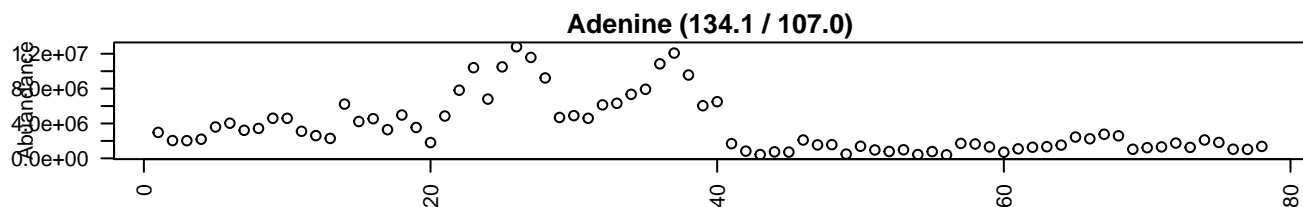
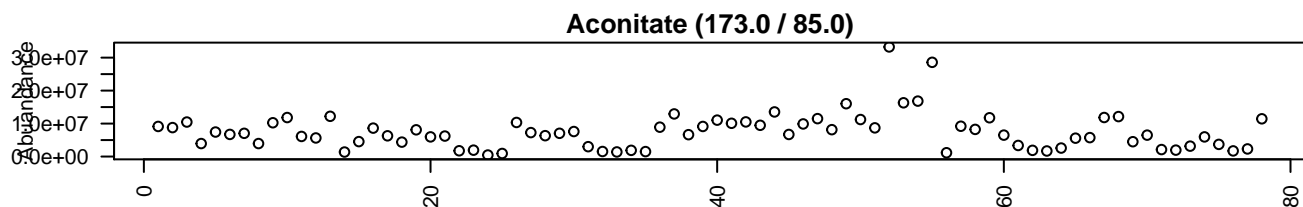
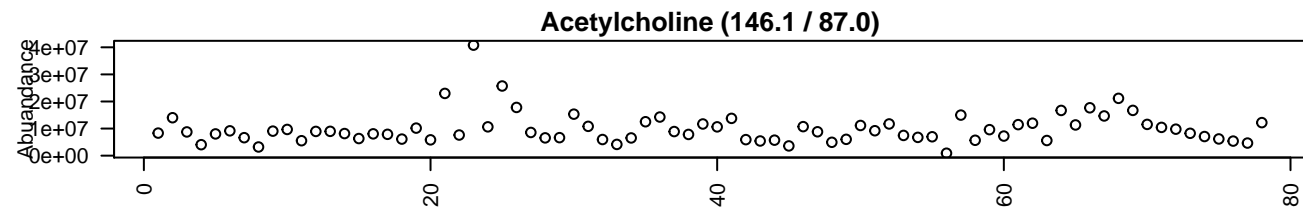
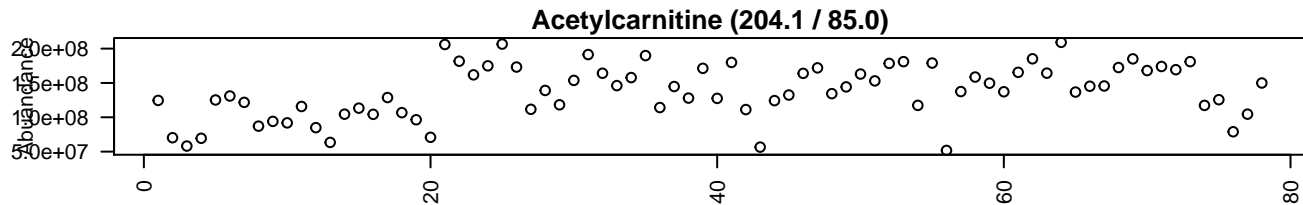
3-Hydroxykynurenine (225.2 / 110.1)



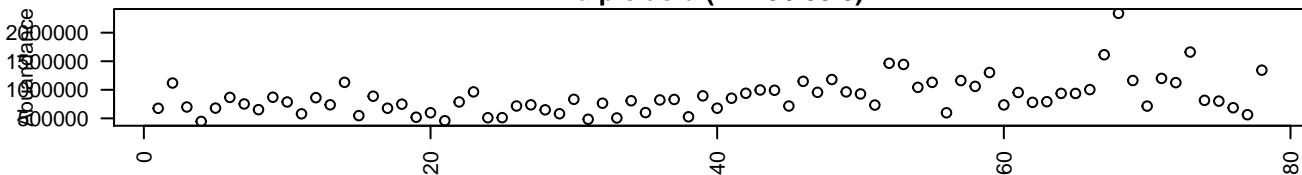
4-Hydroxybutyrate (105.0 / 77.0)



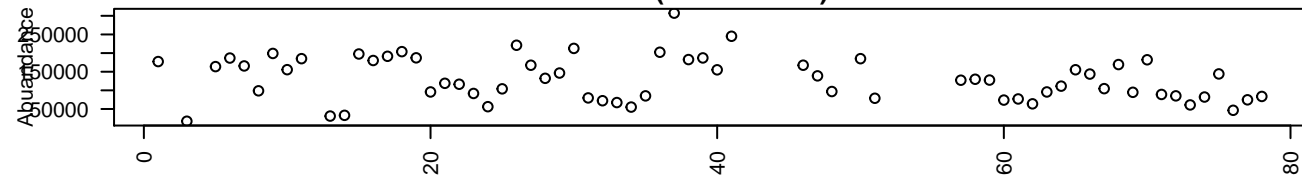




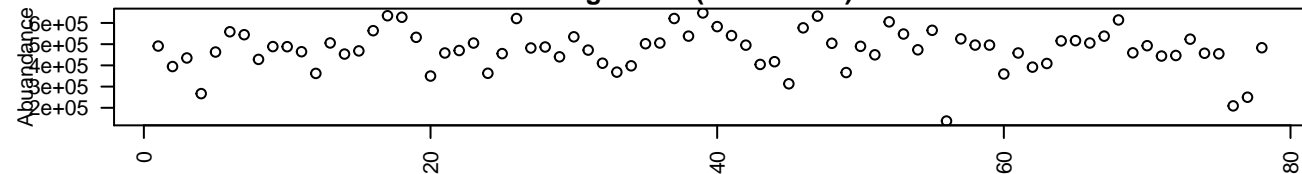
Adipic acid (144.9 / 83.0)



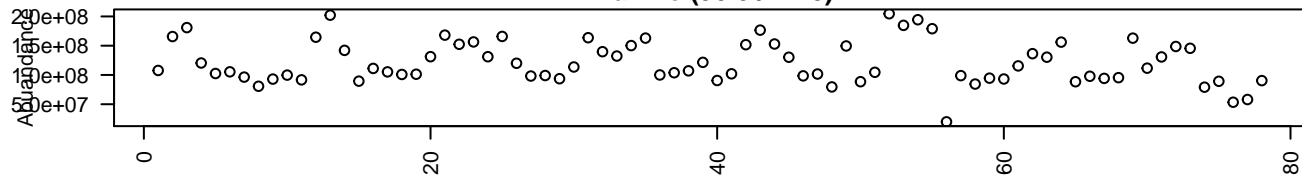
ADP (426.0 / 134.0)



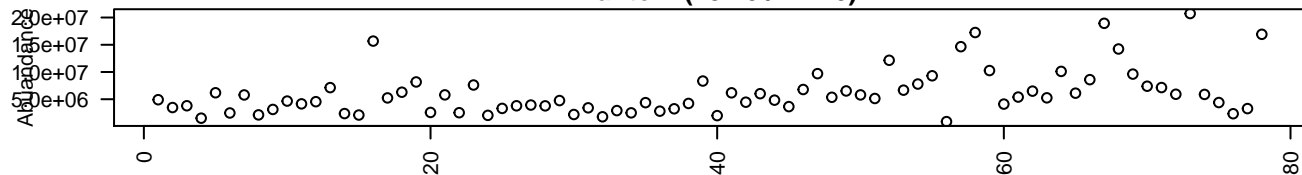
Agmatine (131.0 / 72.0)



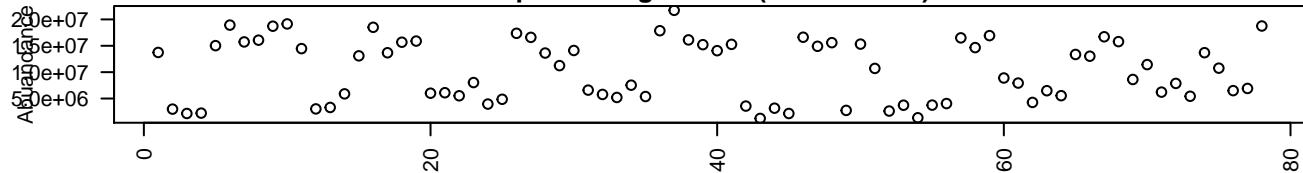
Alanine (90.0 / 44.0)



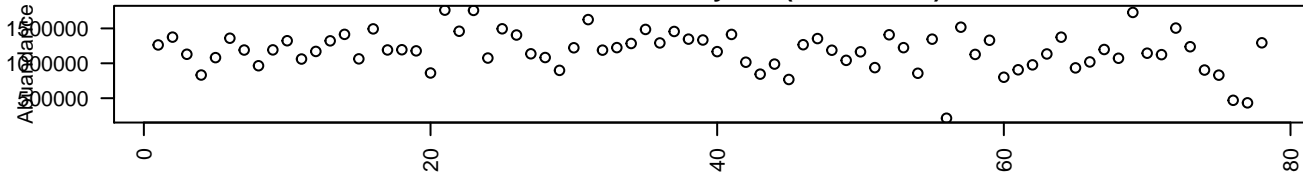
Allantoin (157.0 / 114.0)



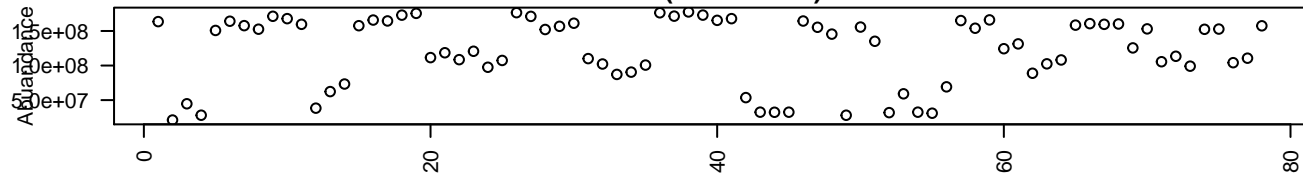
Alpha-Ketoglutarate (145.0 / 101.0)



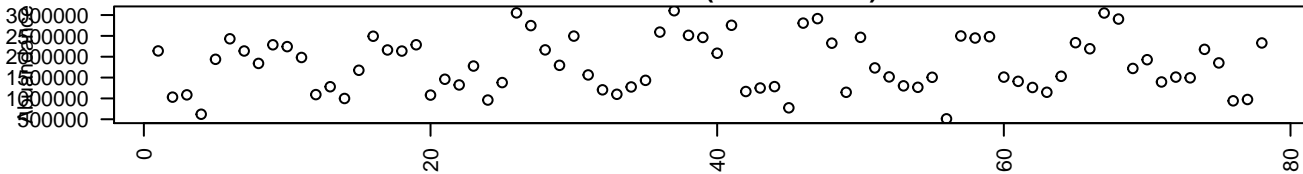
Beta-Aminoisobutyrate (104.1 / 86.0)



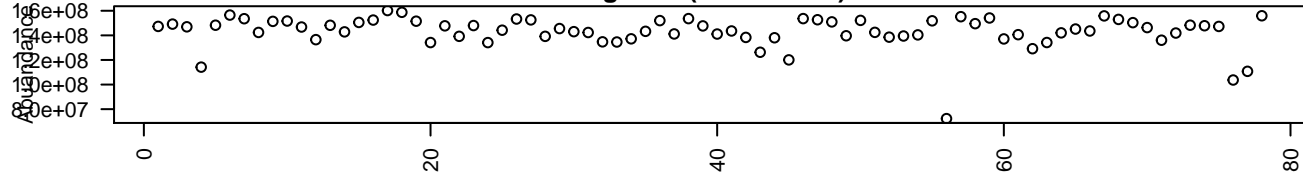
AMP (346.1 / 79.0)



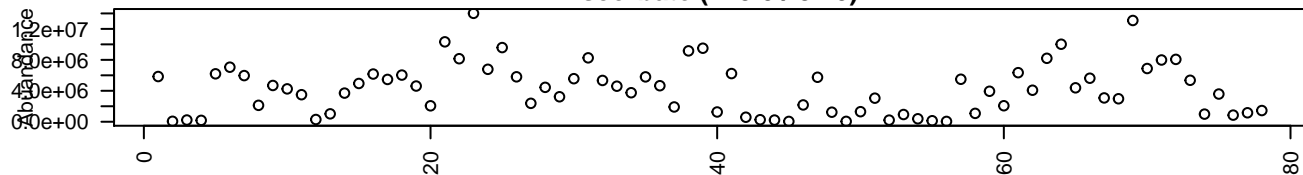
Anthranilate (136.0 / 118.0)



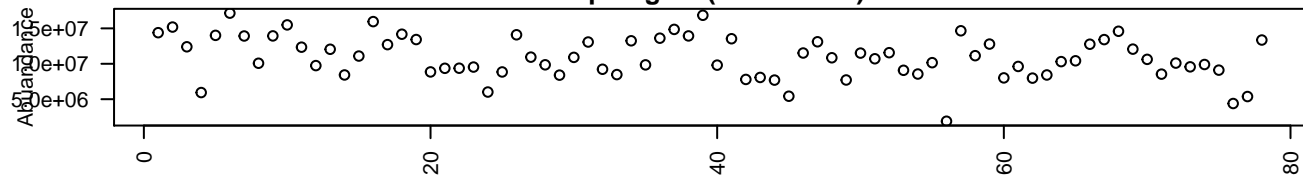
Arginine (175.1 / 70.0)



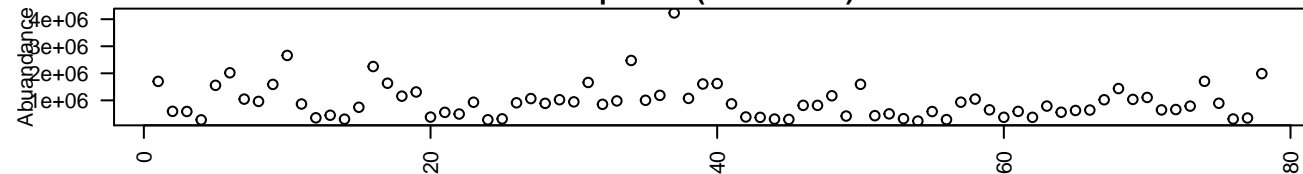
Ascorbate (175.0 / 87.0)



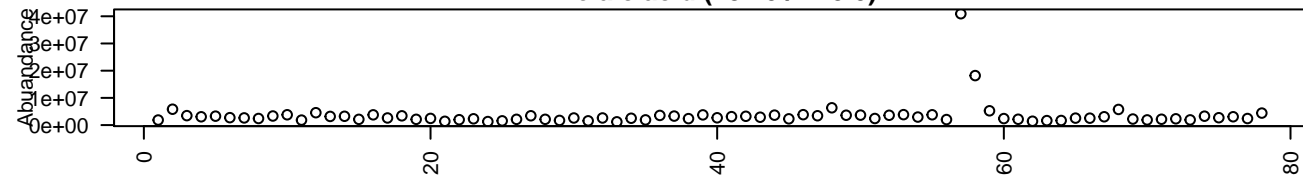
Asparagine (133.1 / 74.0)



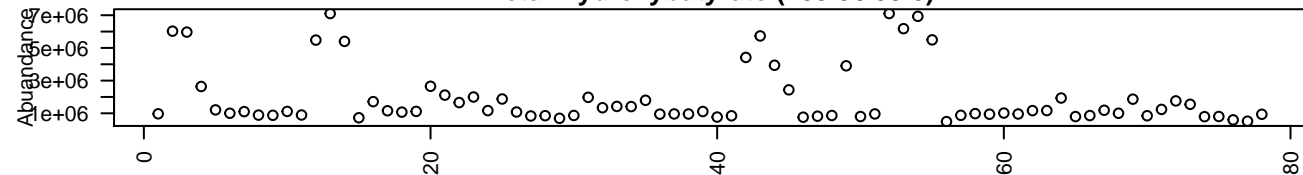
Aspartate (134.1 / 74.0)



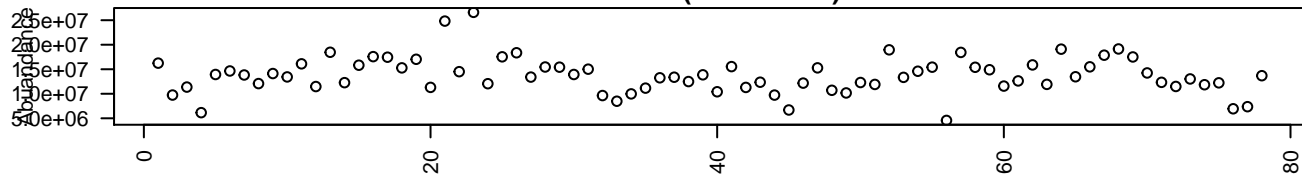
Azelaic acid (187.0 / 125.0)



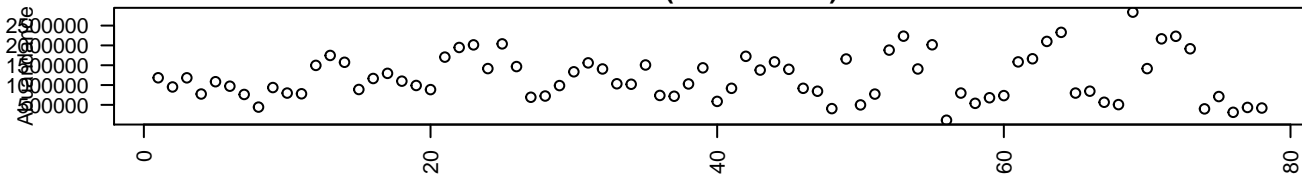
Beta-Hydroxybutyrate (103.0 / 59.0)



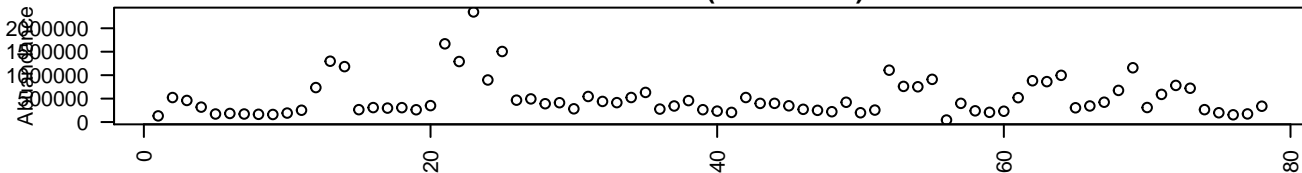
Betaine (118.0 / 58.0)



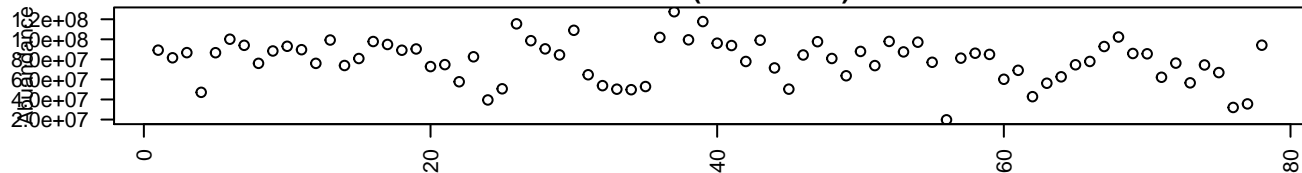
Biotin (243.1 / 200.0)



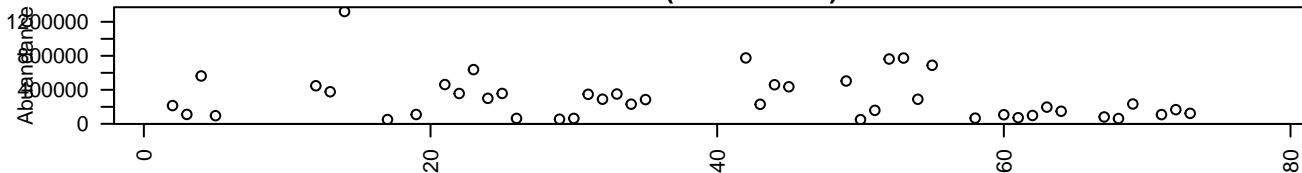
Cadaverine (103.0 / 86.0)



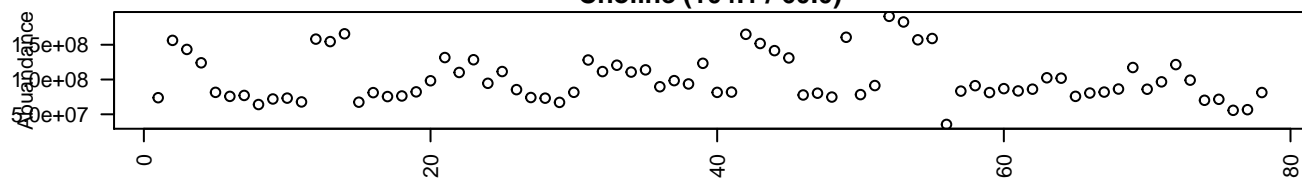
Carnitine (162.1 / 85.0)



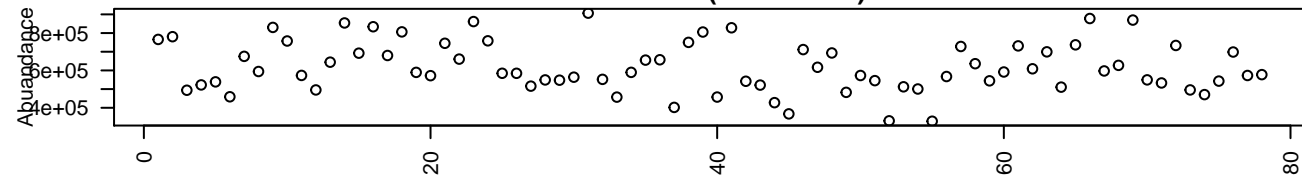
cGMP (344.0 / 150.0)



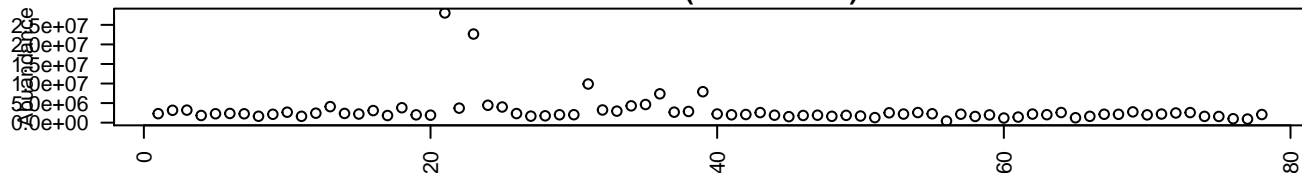
Choline (104.1 / 60.0)



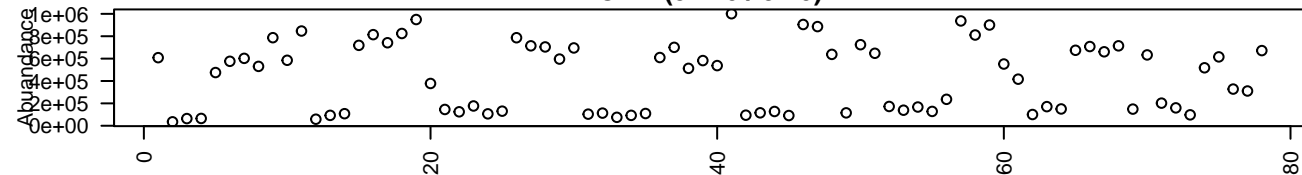
Citraconate (129.0 / 85.0)



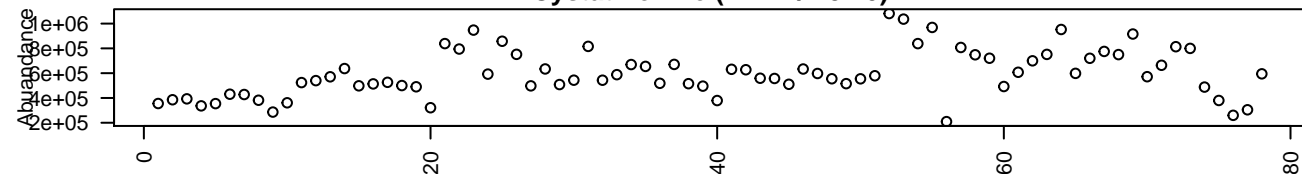
Citrulline (174.0 / 131.0)



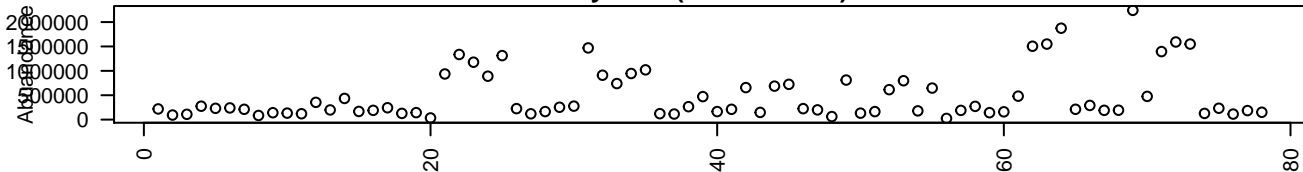
CMP (322.0 / 97.0)



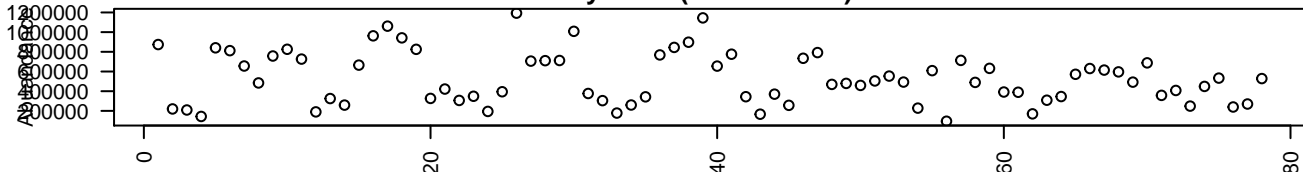
Cystathionine (221.1 / 134.0)



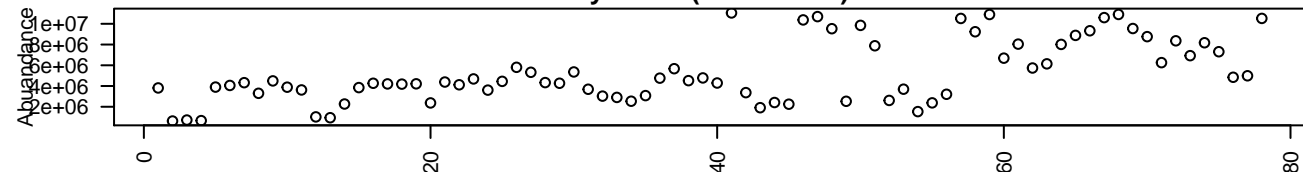
Cystine (241.1 / 120.0)



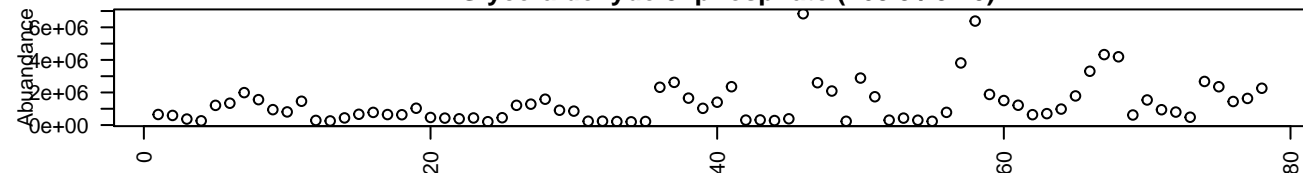
Cytidine (244.0 / 112.1)



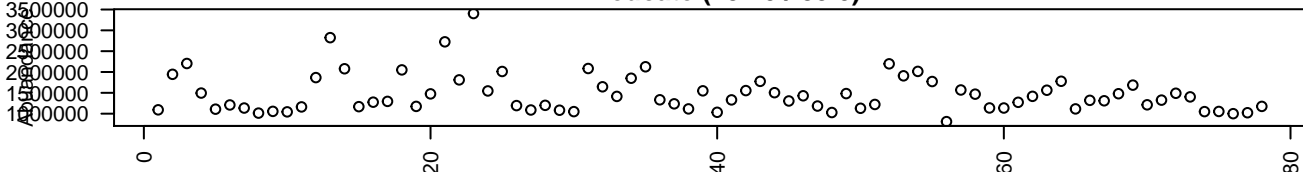
Cytosine (112.1 / 95.0)



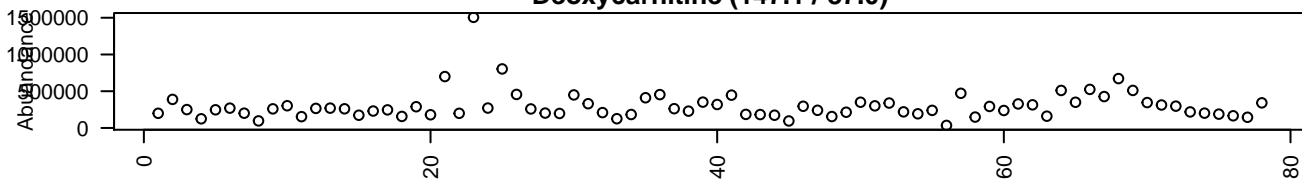
D-Glyceraldehyde 3-phosphate (168.9 / 97.0)



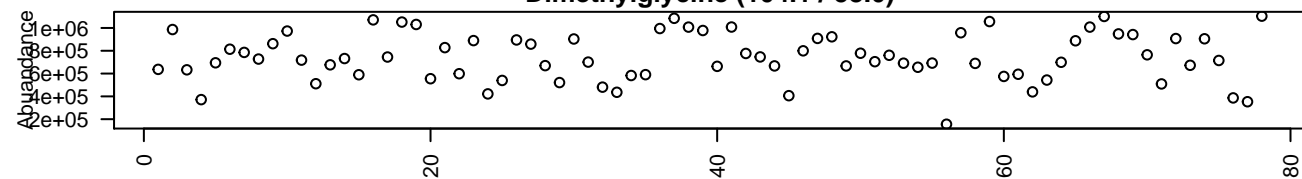
D-Leucate (131.0 / 85.0)



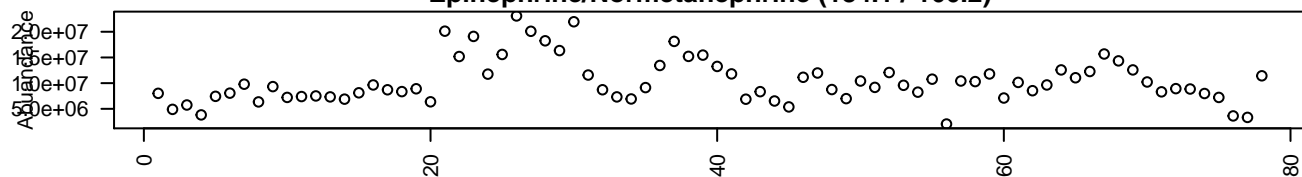
Deoxycarnitine (147.1 / 87.0)



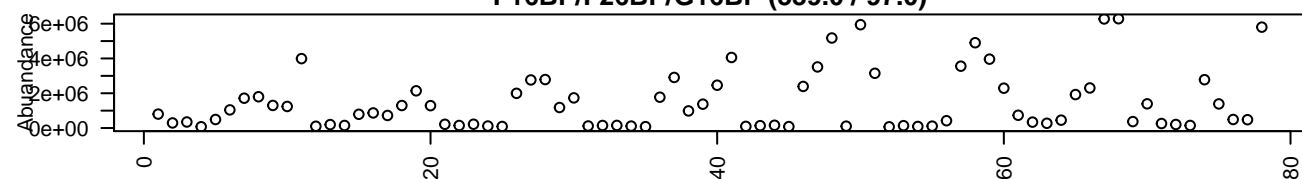
Dimethylglycine (104.1 / 58.0)



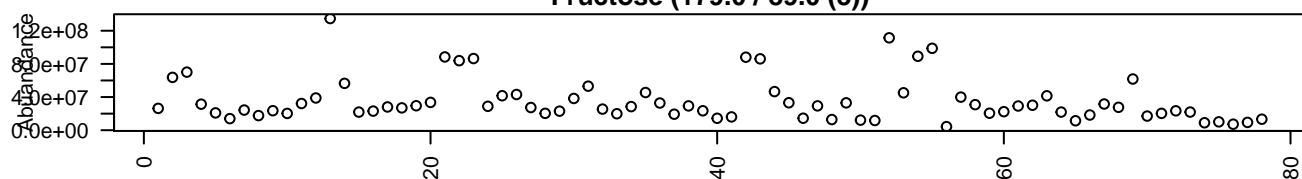
Epinephrine/Normetanephrine (184.1 / 166.2)



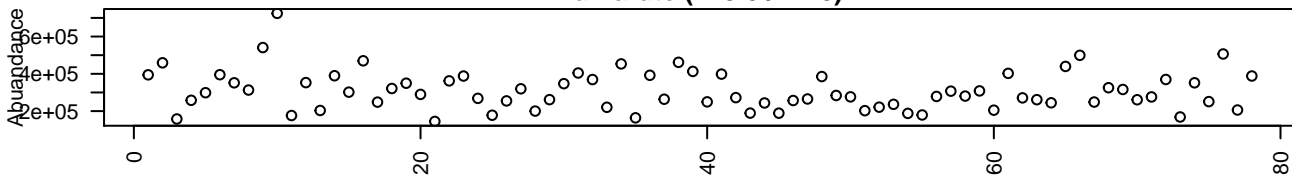
F16BP/F26BP/G16BP (339.0 / 97.0)



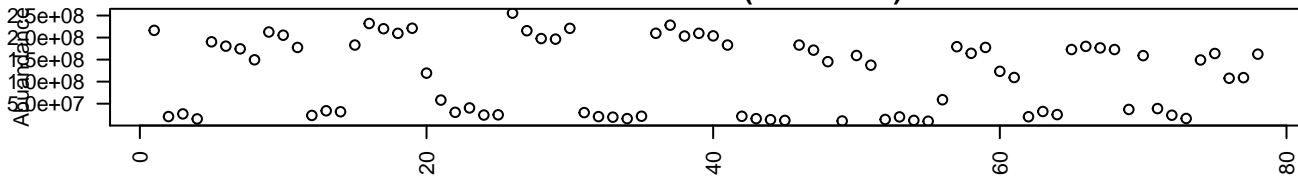
Fructose (179.0 / 89.0 (3))



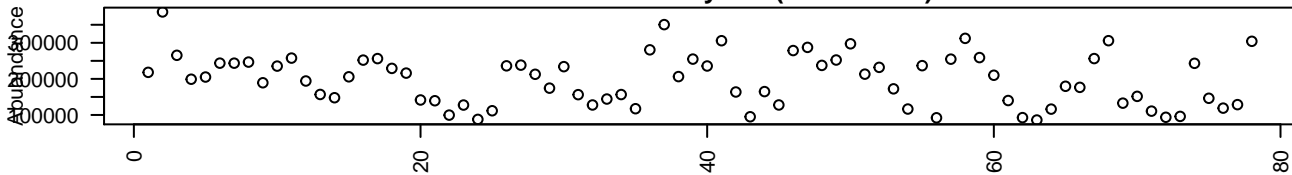
Fumarate (115.0 / 71.0)



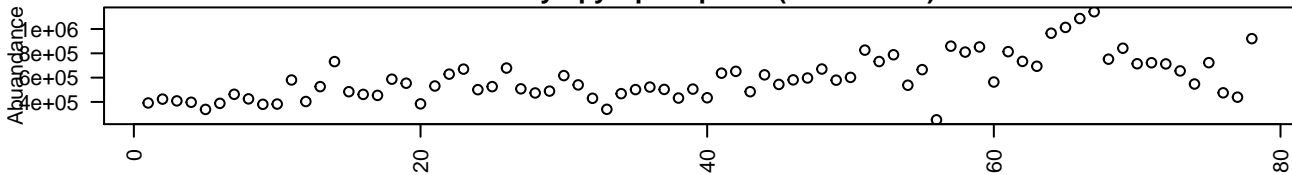
G1P/G6P/F6P/F1P (259.0 / 97.0)



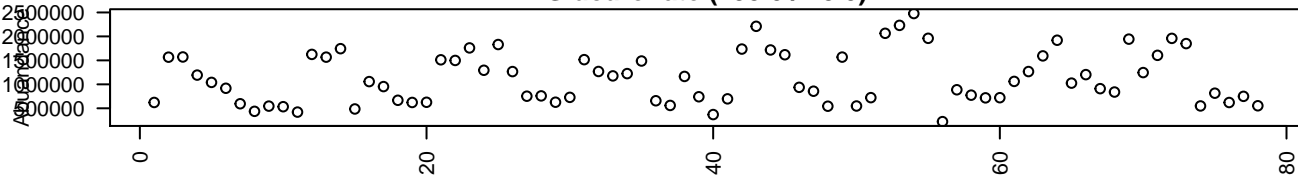
Gamma-Aminobutyrate (102.1 / 56.0)



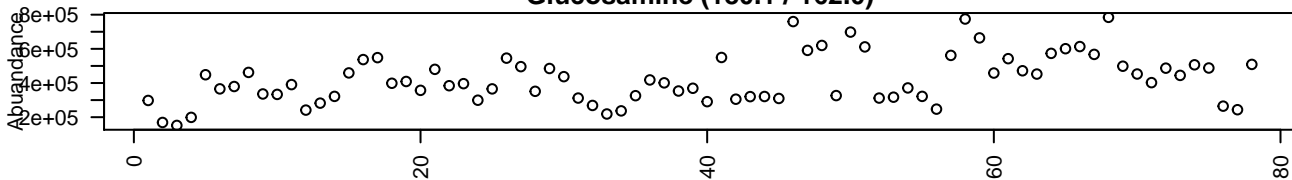
Geranyl-pyrophosphate (313.1 / 79.1)



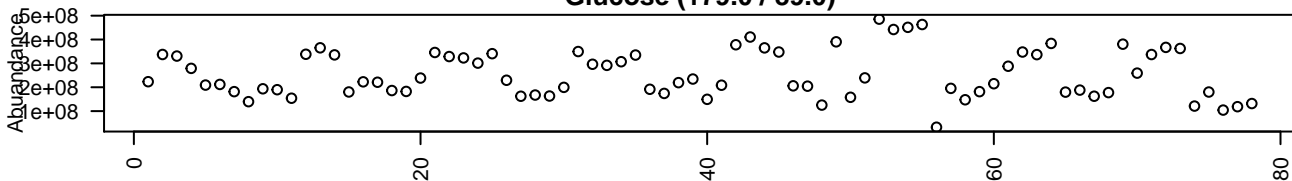
Glucuronate (193.0 / 73.0)



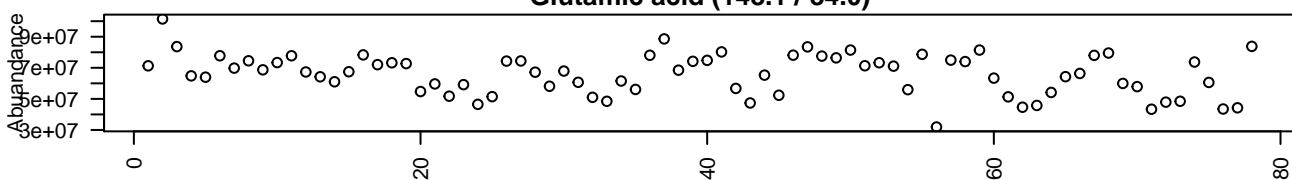
Glucosamine (180.1 / 162.0)



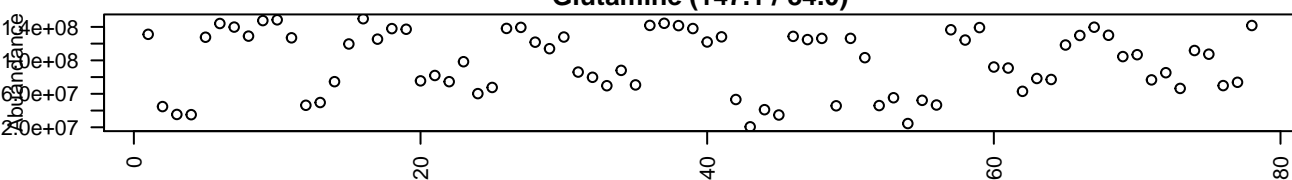
Glucose (179.0 / 89.0)



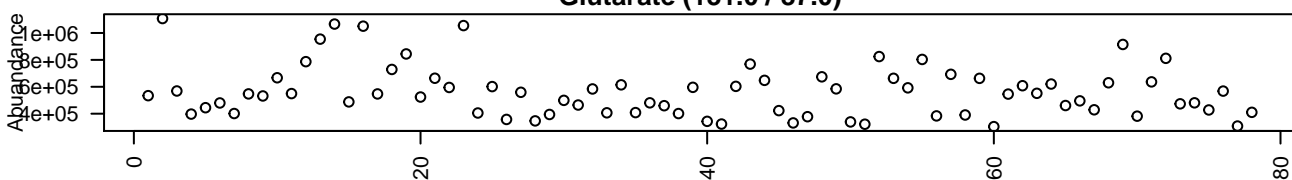
Glutamic acid (148.1 / 84.0)



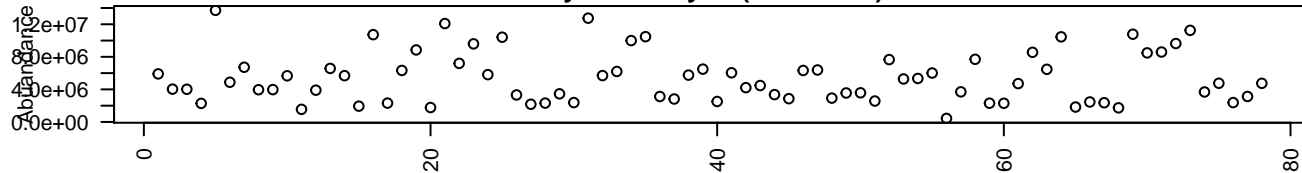
Glutamine (147.1 / 84.0)



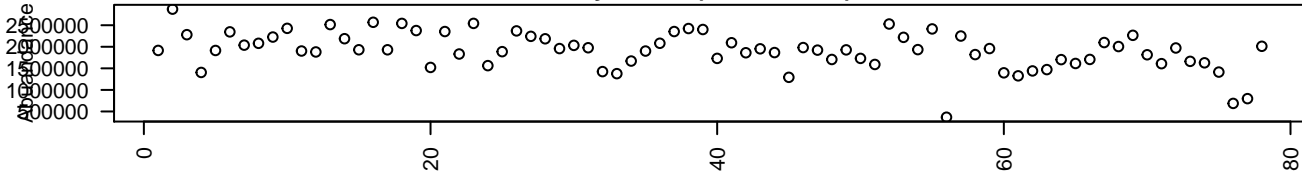
Glutarate (131.0 / 87.0)



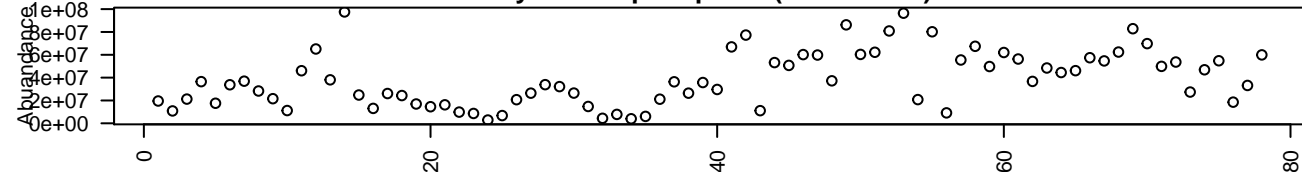
Glyceraldehyde (89.0 / 59.0)



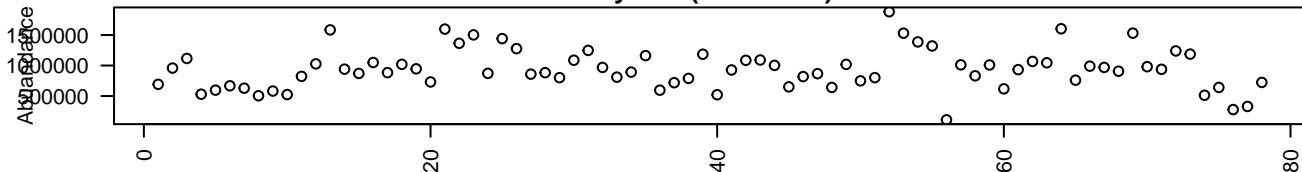
Glycerate (105.0 / 75.0)



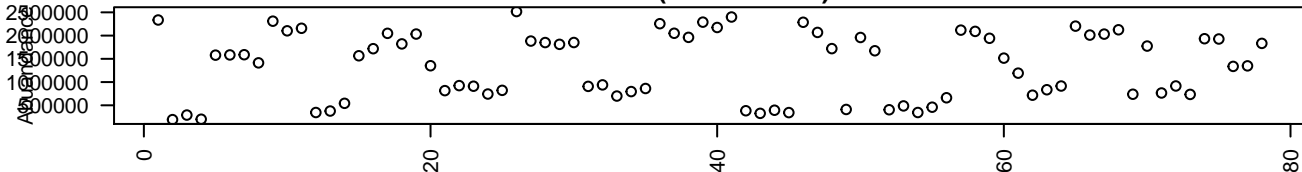
Glycerol 3-phosphate (171.0 / 79.0)



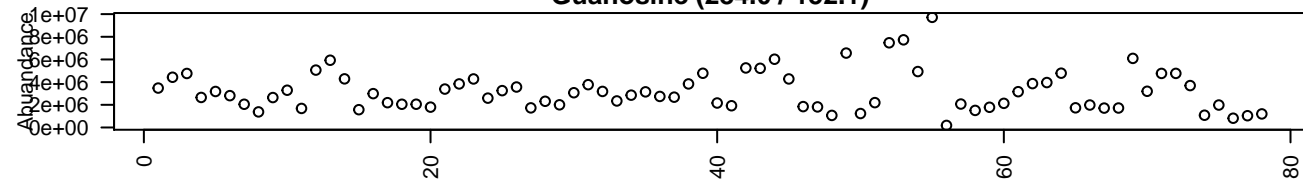
Glycine (76.0 / 30.1)



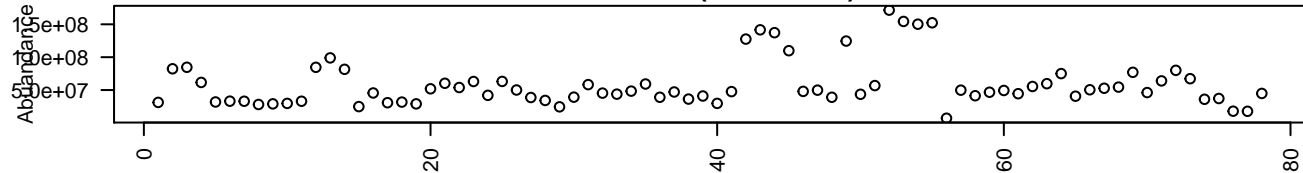
GMP (364.1 / 151.8)



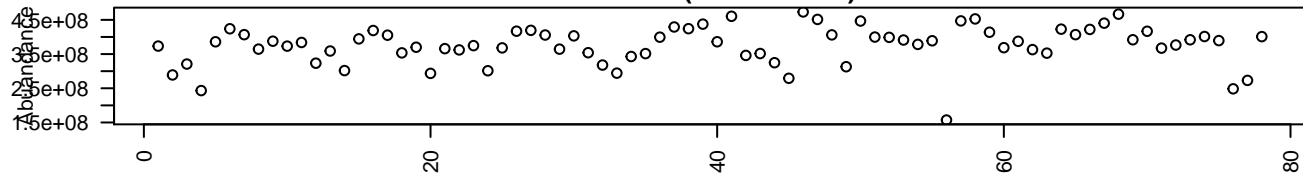
Guanosine (284.0 / 152.1)



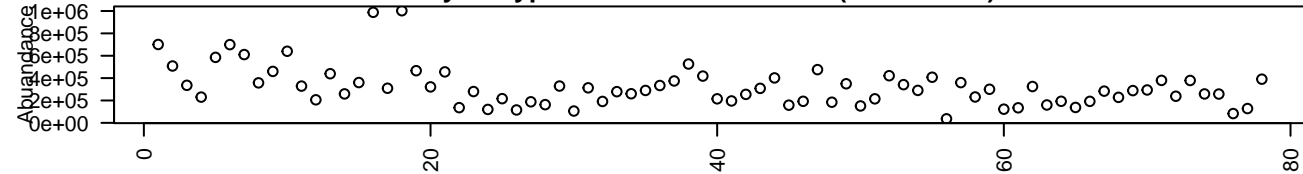
Histamine (112.0 / 95.0)



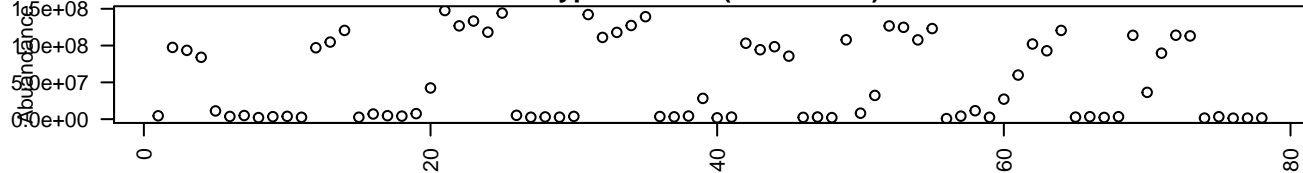
Histidine (156.1 / 110.0)

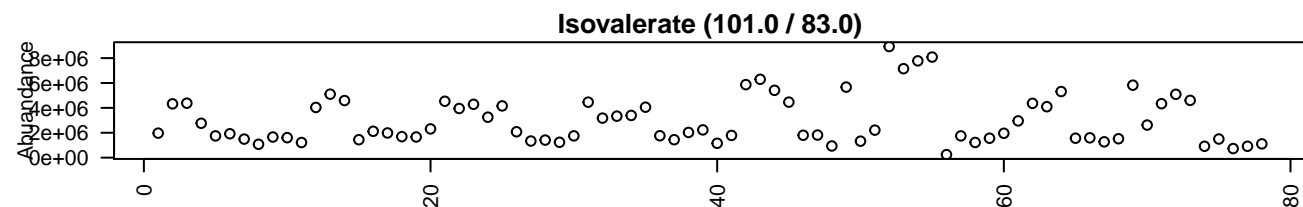
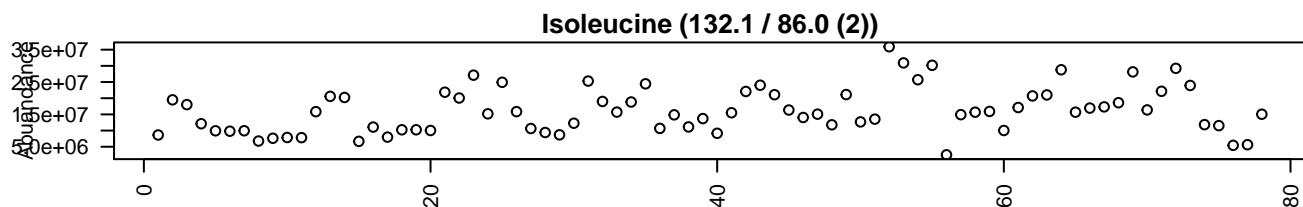
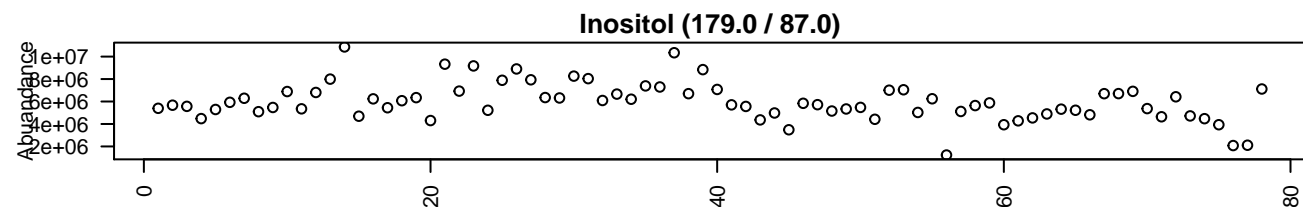
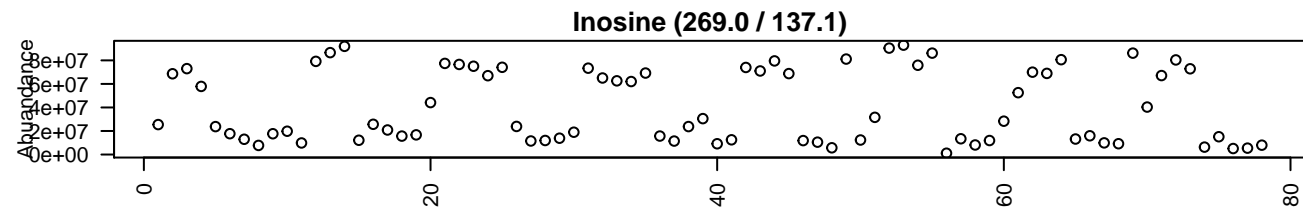
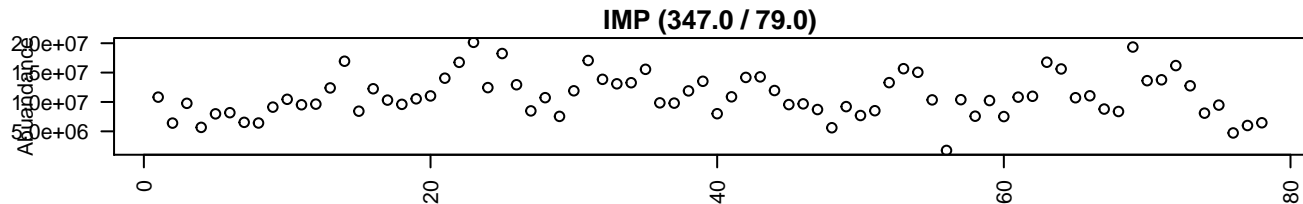


Hydroxyproline/Aminolevulinate (132.1 / 86.2)

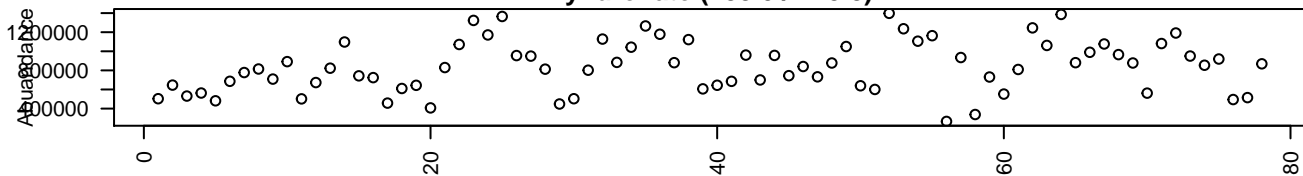


Hypoxanthine (135.0 / 92.0)

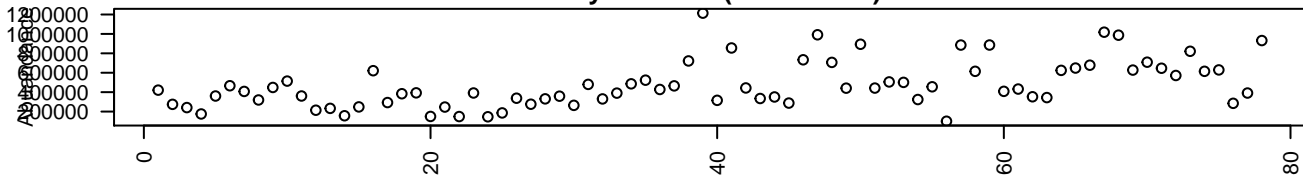




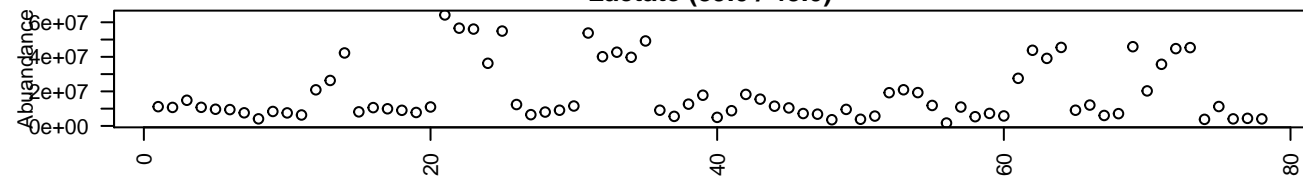
Kynurenate (188.0 / 143.8)



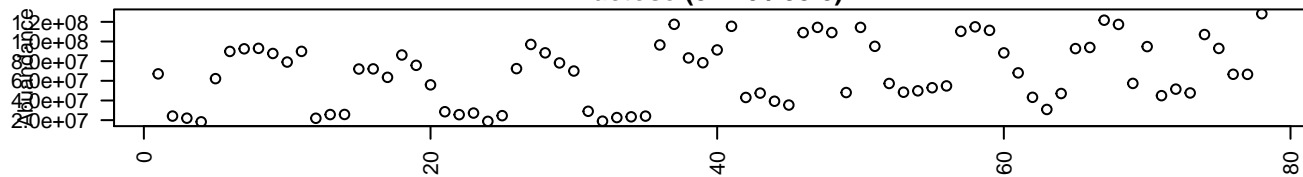
L-Kynurenine (209.1 / 94.0)



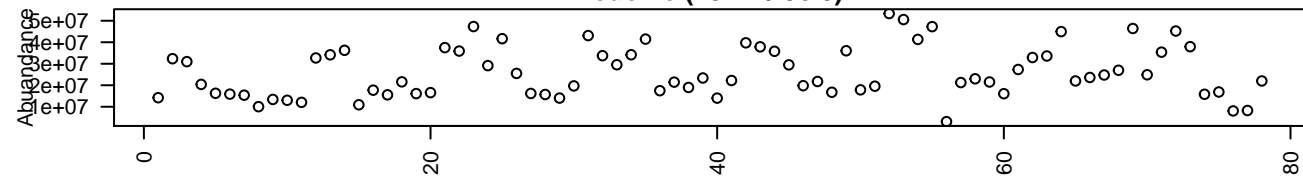
Lactate (89.0 / 43.0)



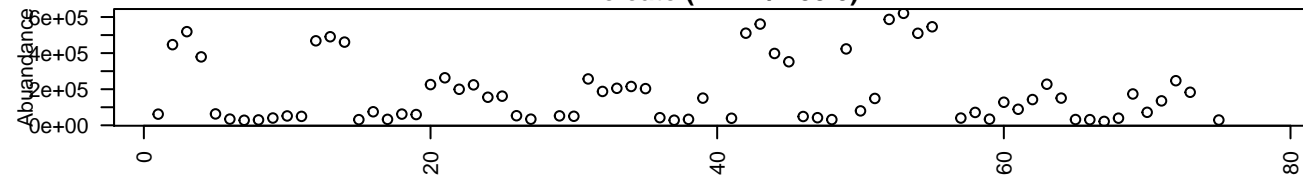
Lactose (341.0 / 59.0)



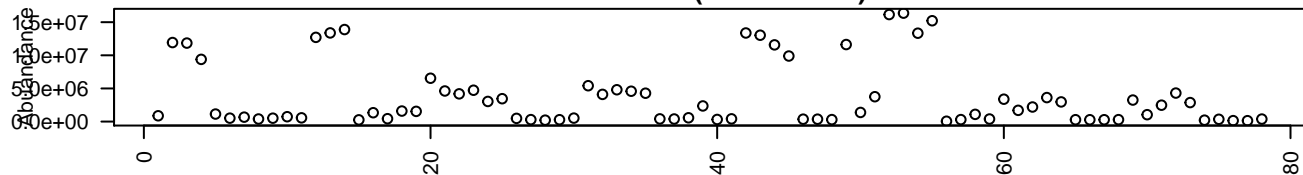
Leucine (132.1 / 86.0)



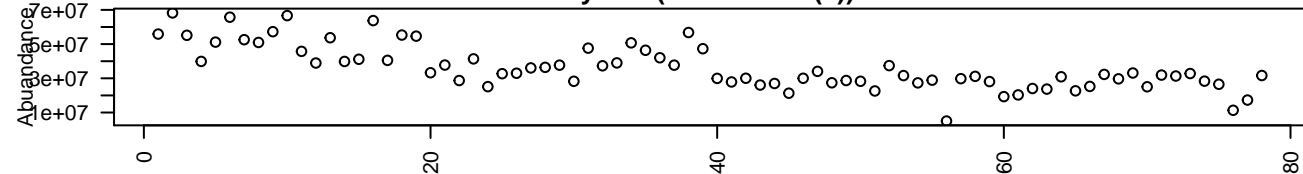
Linoleate (277.1 / 259.0)



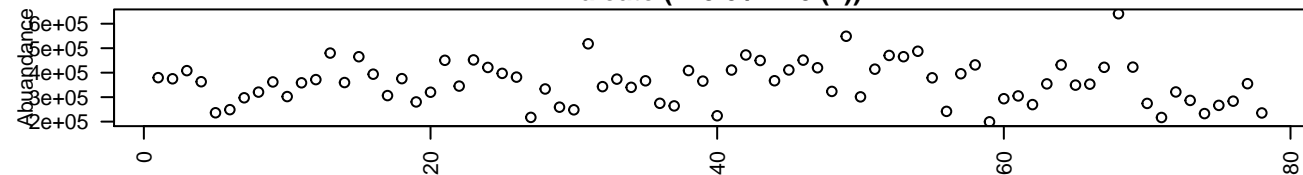
Linolenate (279.1 / 261.0)



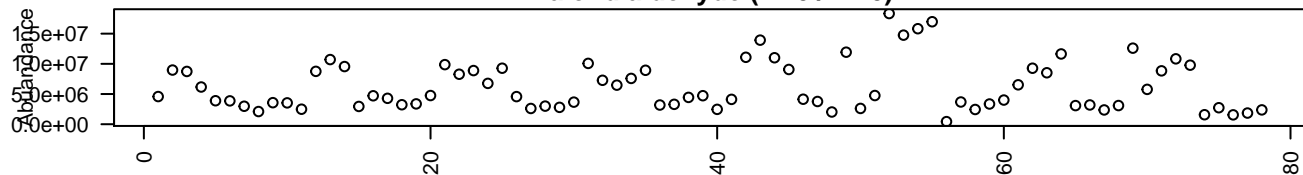
Lysine (147.1 / 84.0 (2))



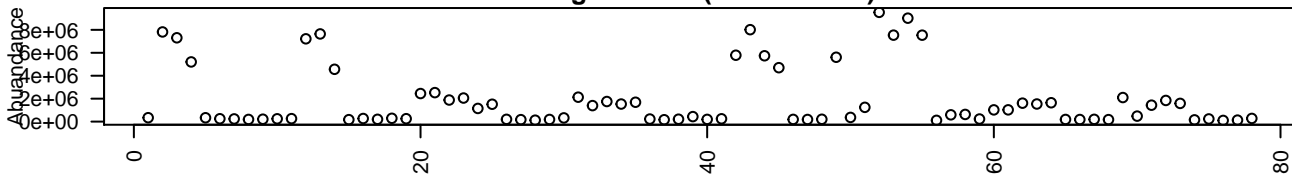
Maleate (115.0 / 71.0 (2))



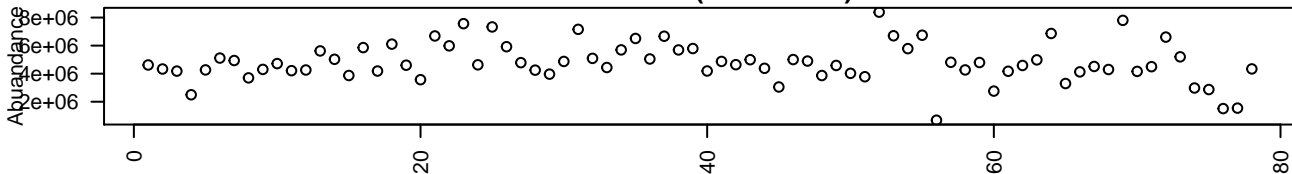
Malondialdehyde (71.0 / 41.0)



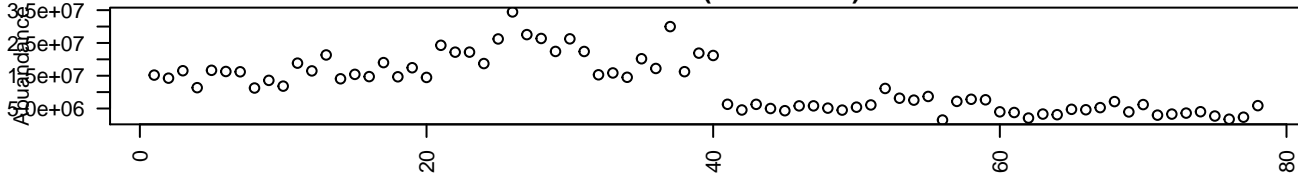
Margaric acid (269.1 / 251.3)



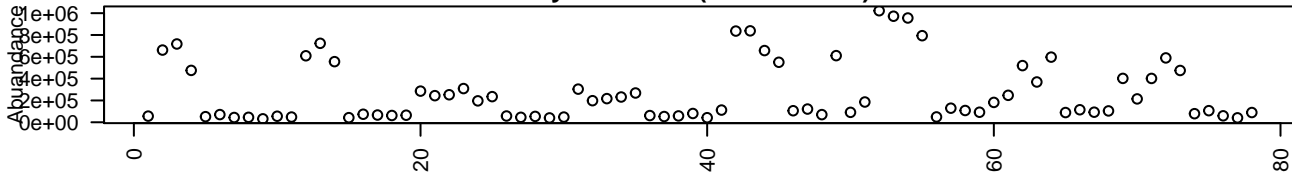
Methionine (150.1 / 61.0)



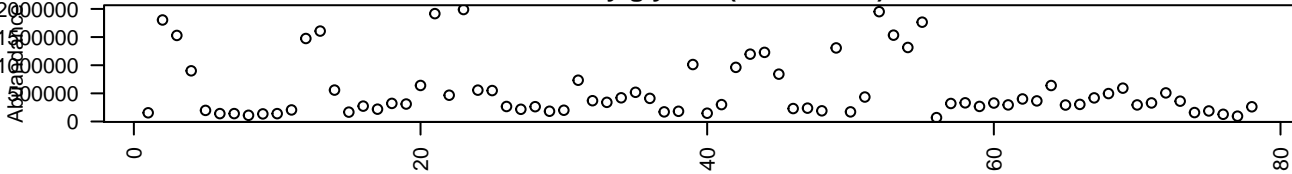
Mevalonate (147.1 / 59.0)



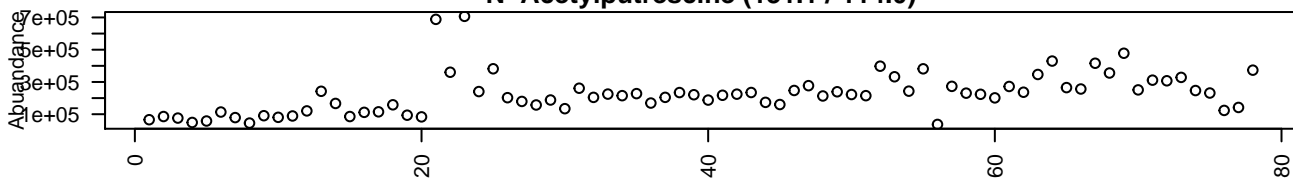
Myristic acid (227.1 / 209.0)



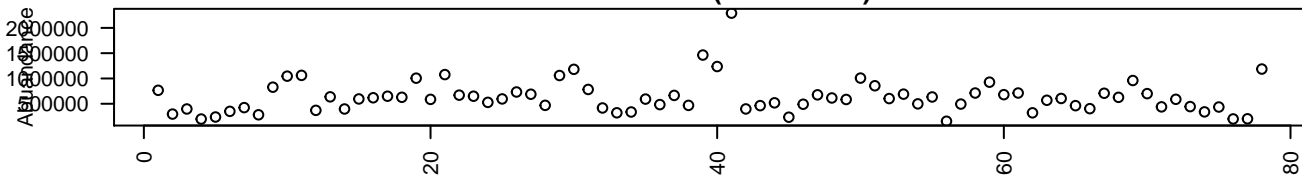
N-Acetylglycine (116.0 / 74.0)



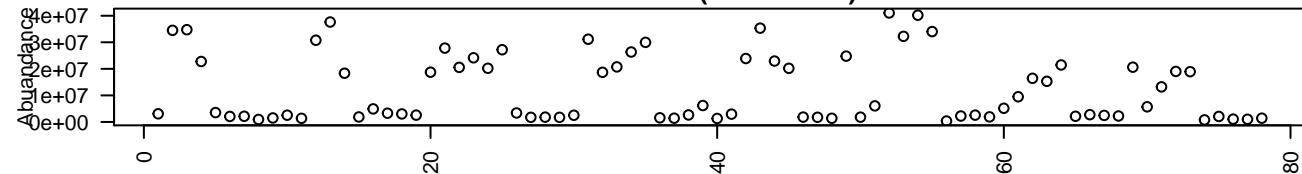
N-Acetylputrescine (131.1 / 114.0)



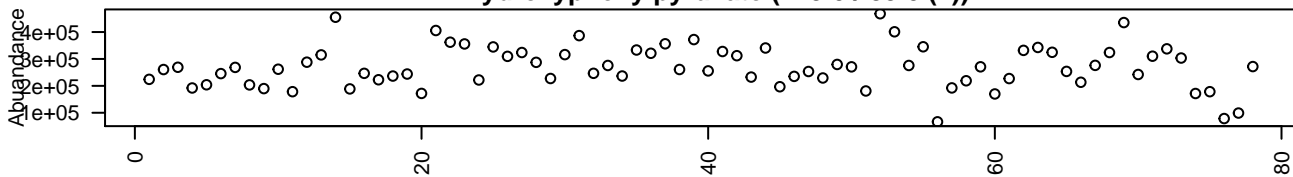
Niacinamide (123.0 / 80.0)



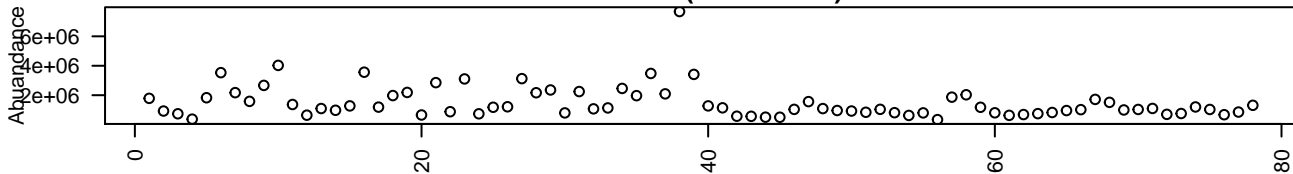
Nicotinate (122.0 / 78.0)



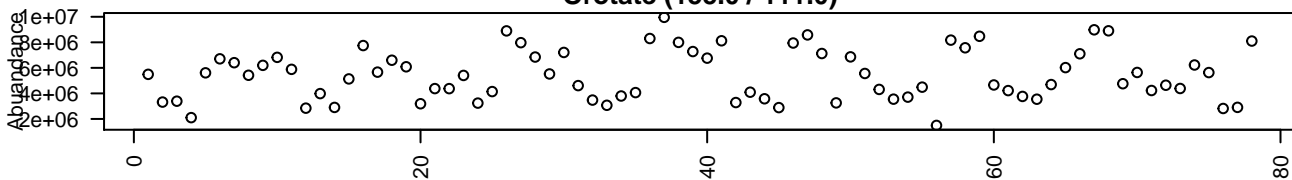
4-Hydroxyphenylpyruvate (179.0 / 89.0 (4))



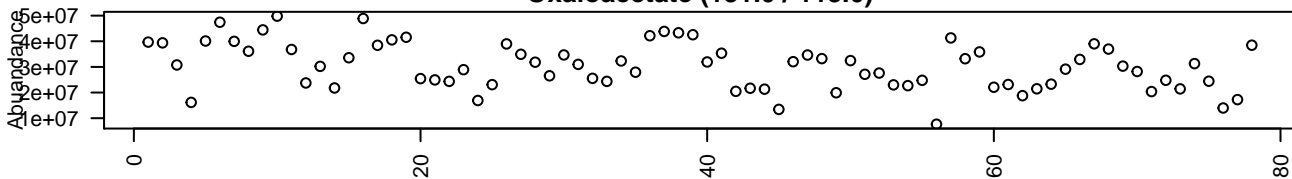
Ornithine (133.1 / 70.0)



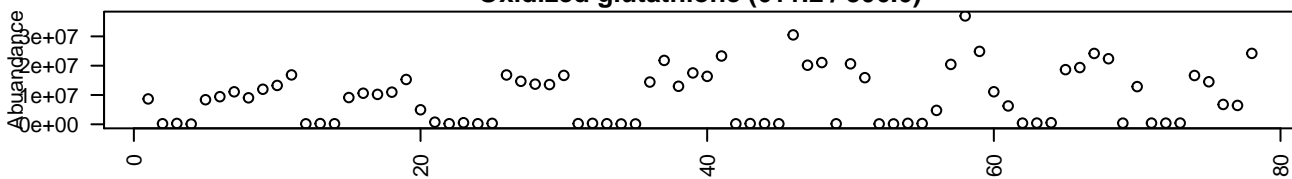
Orotate (155.0 / 111.0)



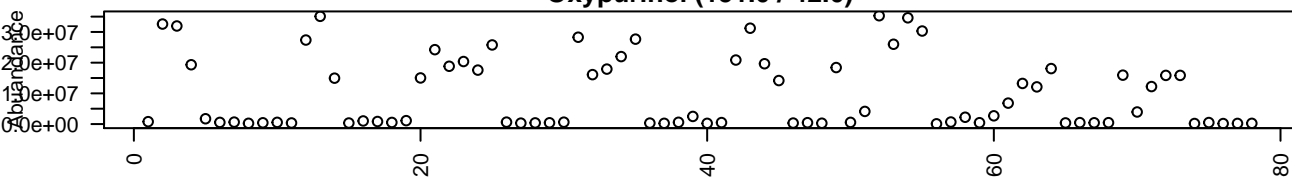
Oxaloacetate (131.0 / 113.0)



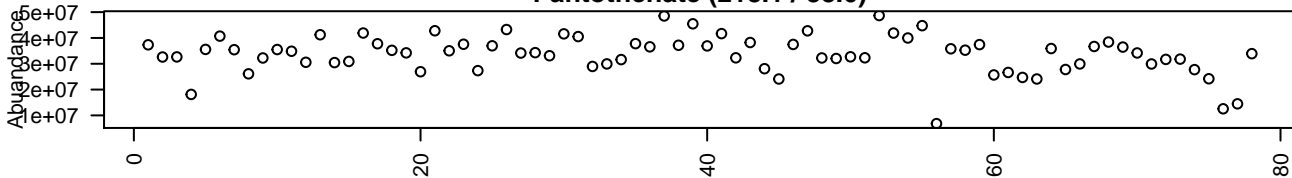
Oxidized glutathione (611.2 / 306.0)



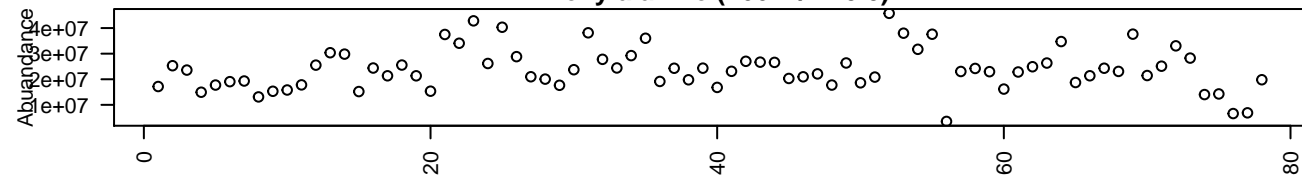
Oxypurinol (151.0 / 42.0)



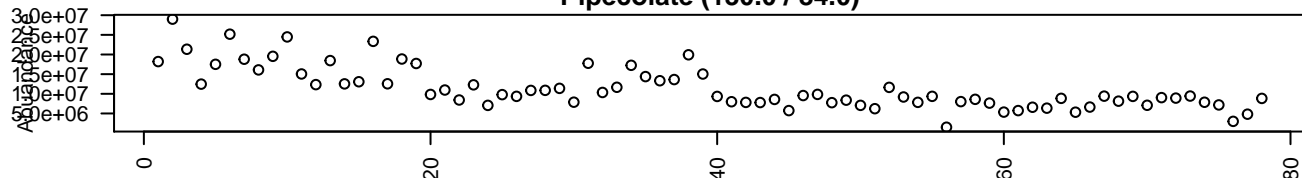
Pantothenate (218.1 / 88.0)



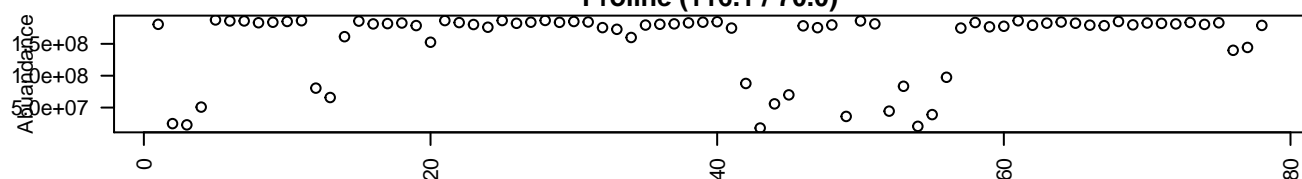
Phenylalanine (166.1 / 120.0)



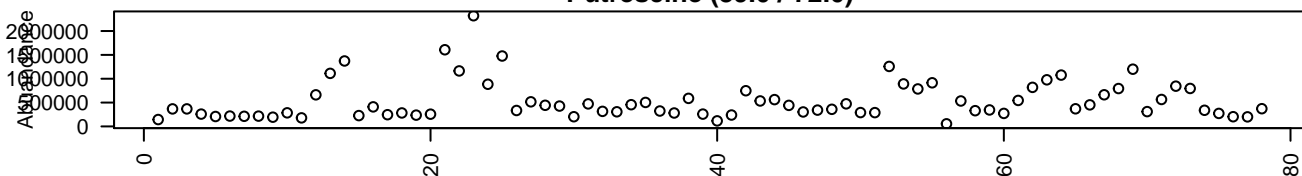
Pipecolate (130.0 / 84.0)



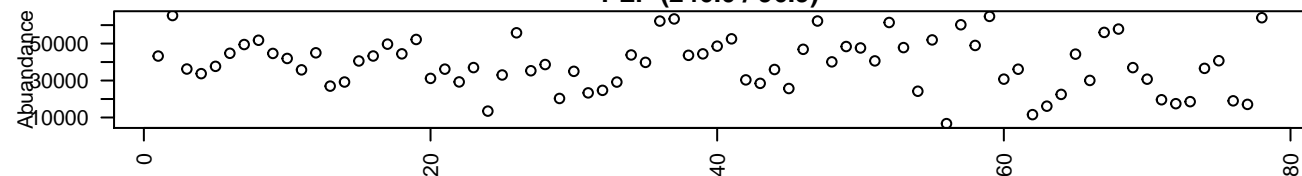
Proline (116.1 / 70.0)



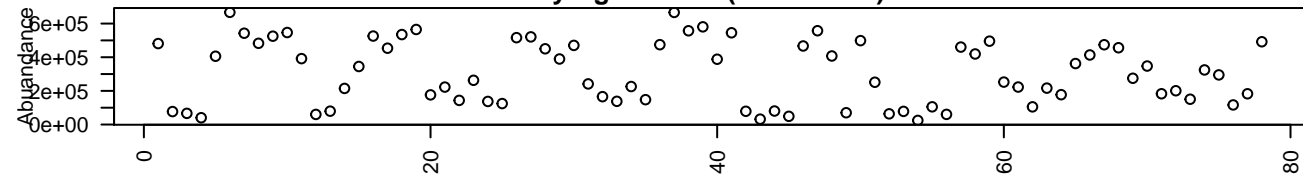
Putrescine (89.0 / 72.0)



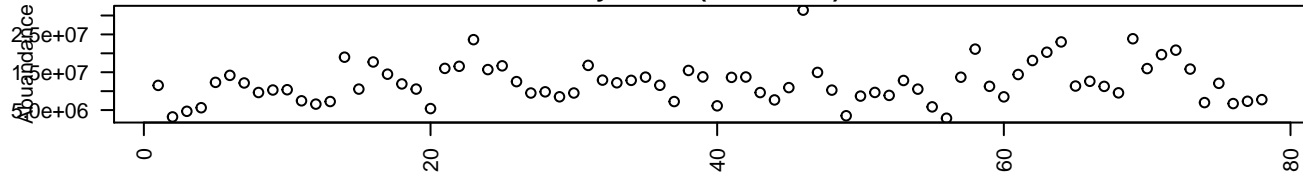
PLP (246.0 / 96.9)



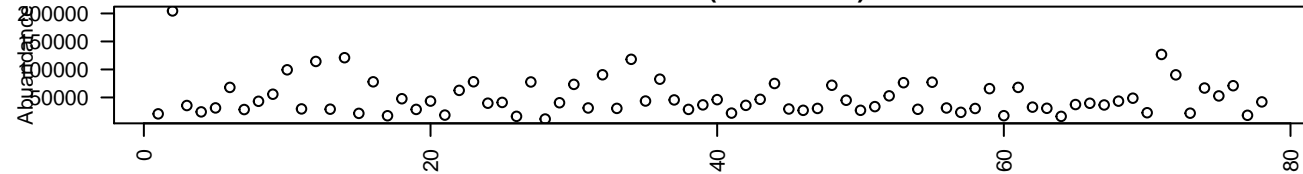
Pyroglutamate (130.0 / 83.4)



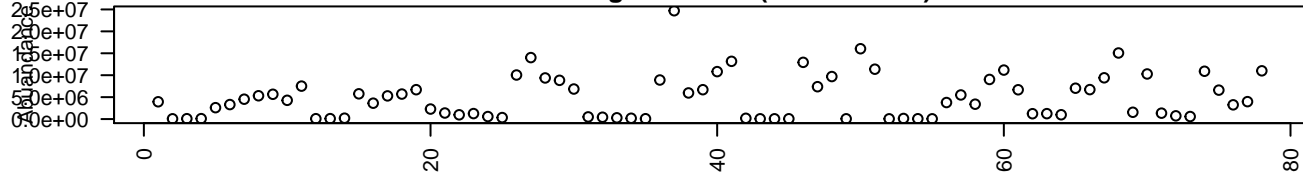
Pyruvate (87.0 / 43.0)



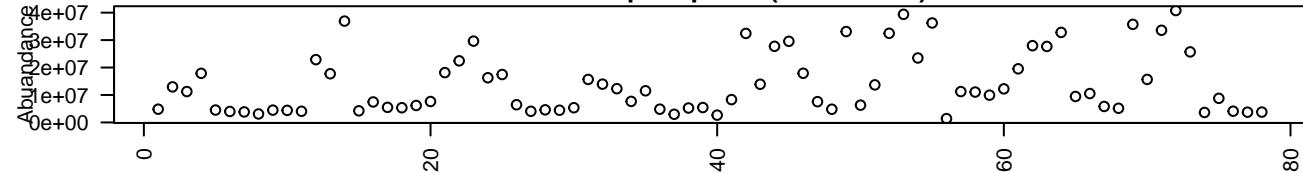
Quinolate (166.0 / 78.0)



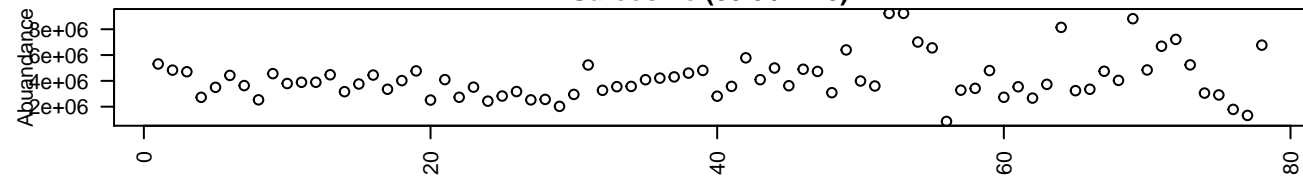
Reduced glutathione (306.1 / 143.0)



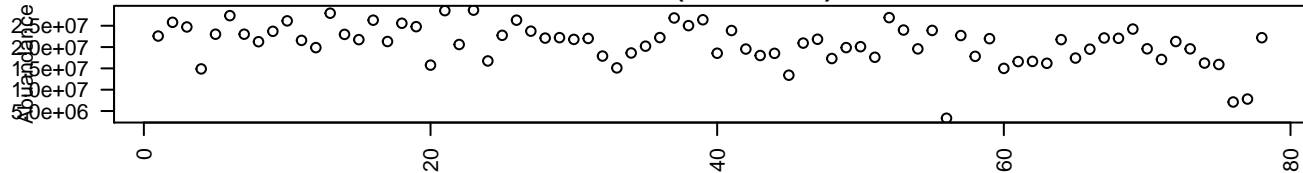
Ribose-5-phosphate (229.0 / 79.0)



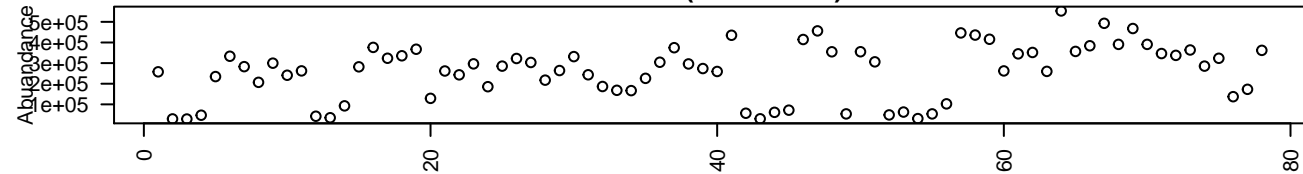
Sarcosine (89.9 / 44.0)



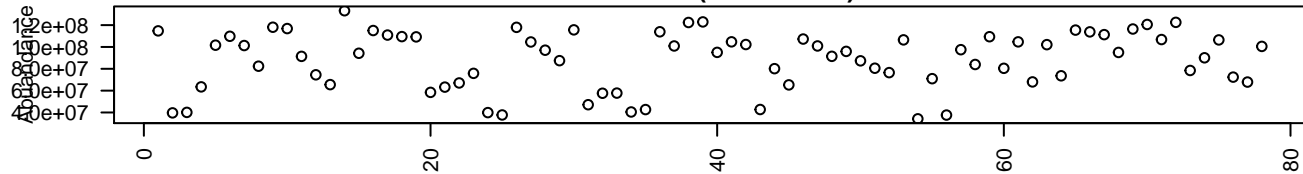
Serine (106.0 / 60.0)



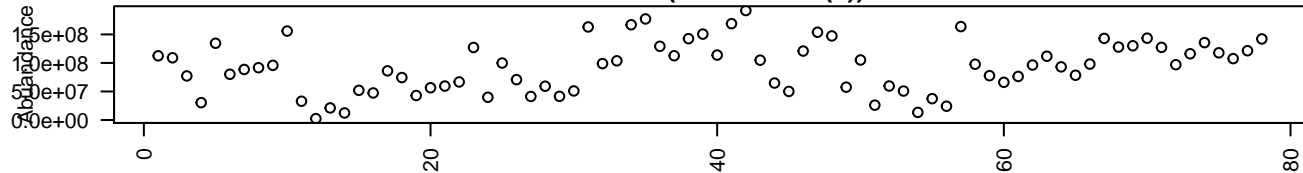
Sorbitol (183.0 / 91.0)



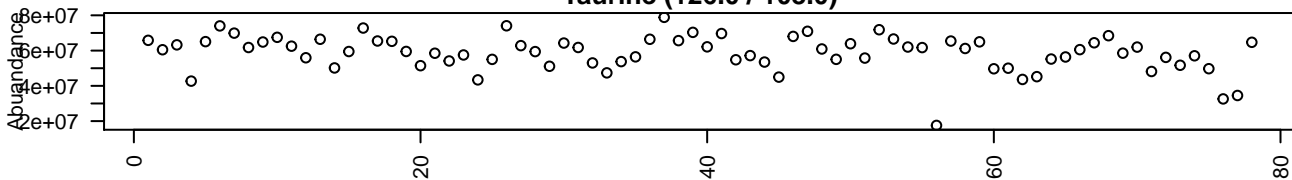
Succinate (117.0 / 73.0)



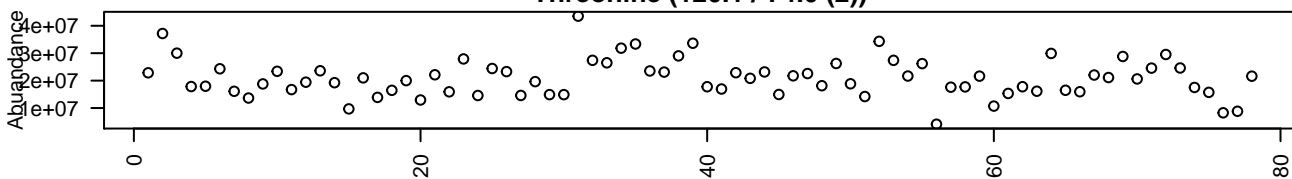
Sucrose (341.0 / 59.0 (2))



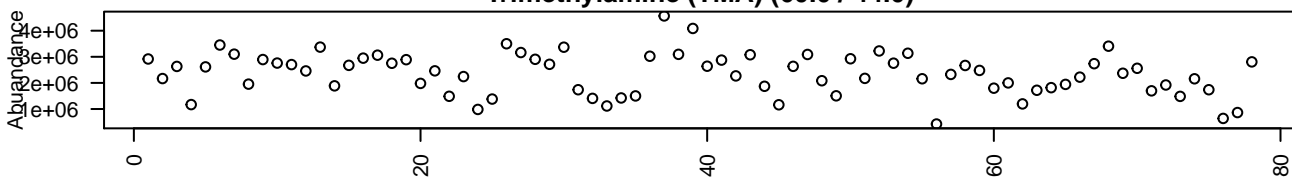
Taurine (126.0 / 108.0)



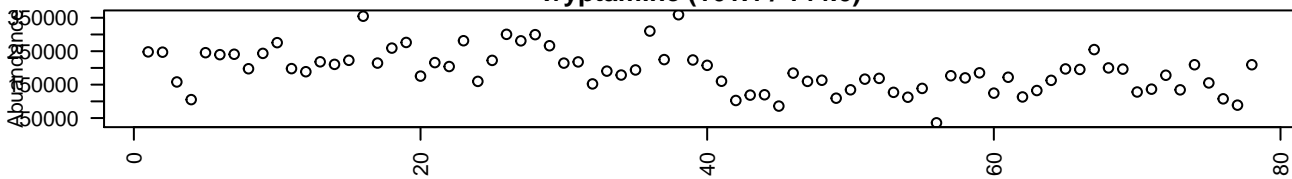
Threonine (120.1 / 74.0 (2))



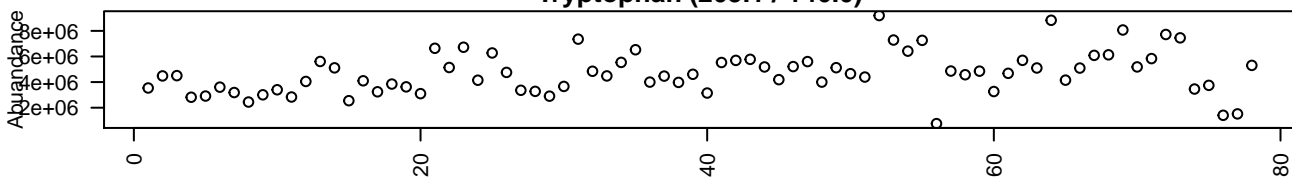
Trimethylamine (TMA) (60.0 / 44.0)

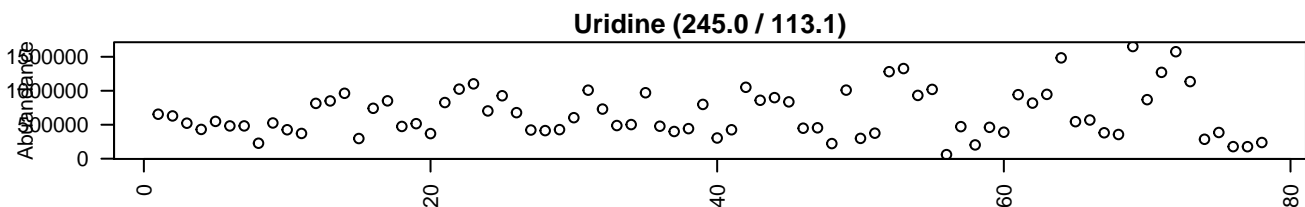
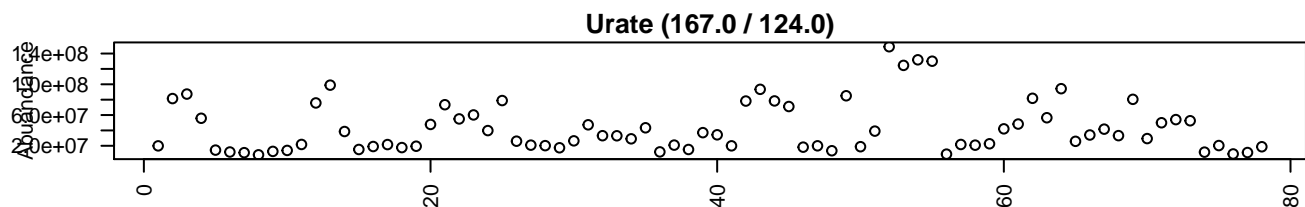
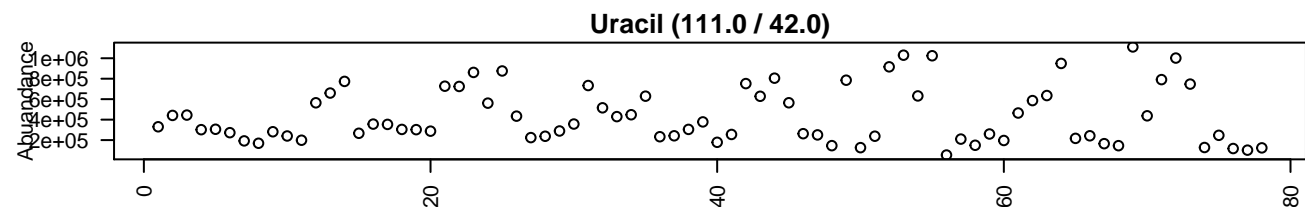
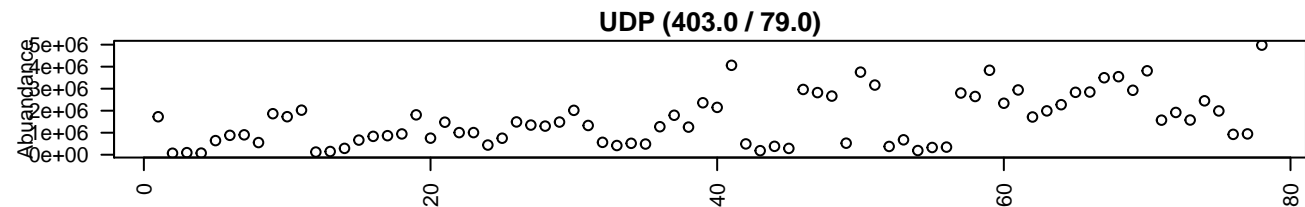
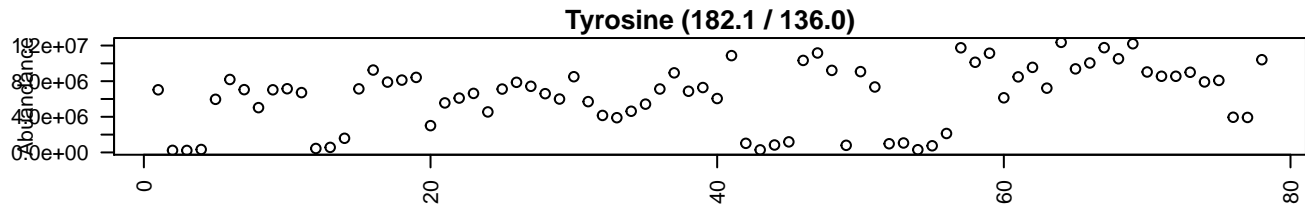


Tryptamine (161.1 / 144.0)

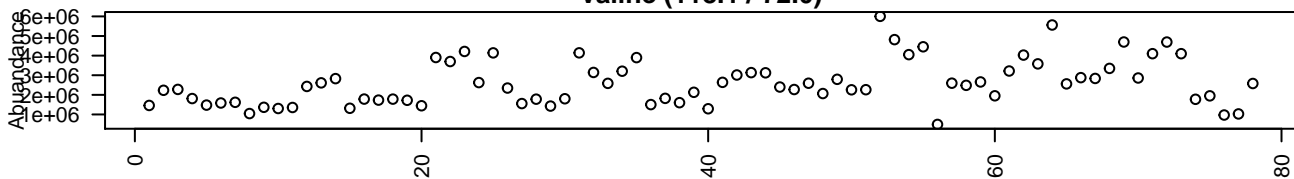


Tryptophan (205.1 / 146.0)

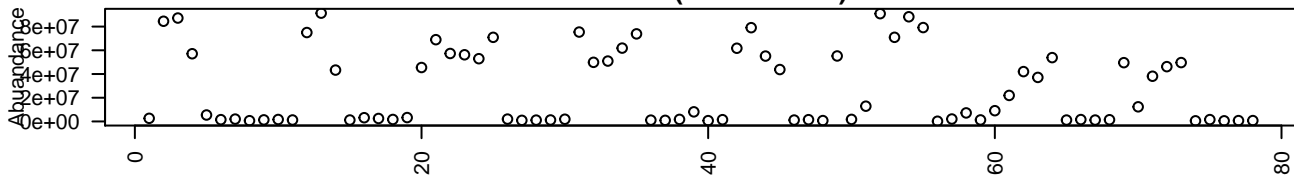




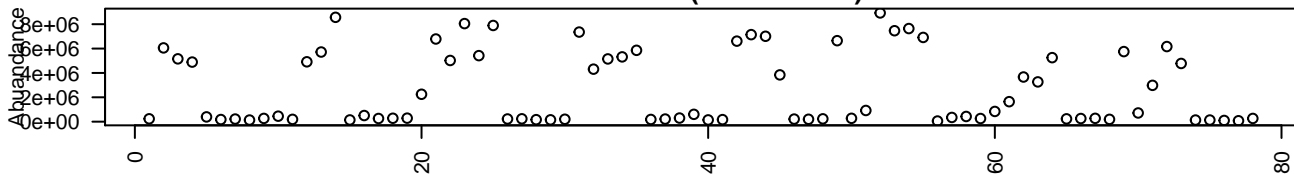
Valine (118.1 / 72.0)



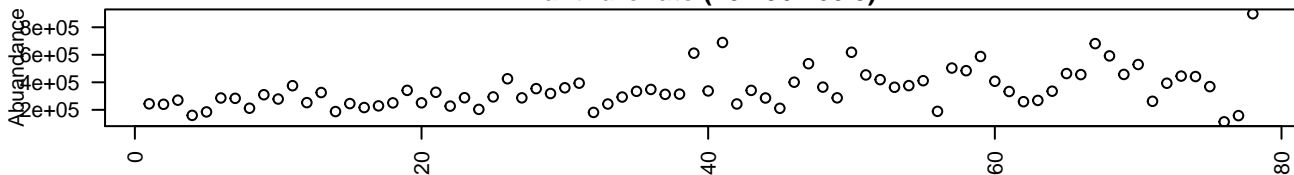
Xanthine (151.0 / 108.0)

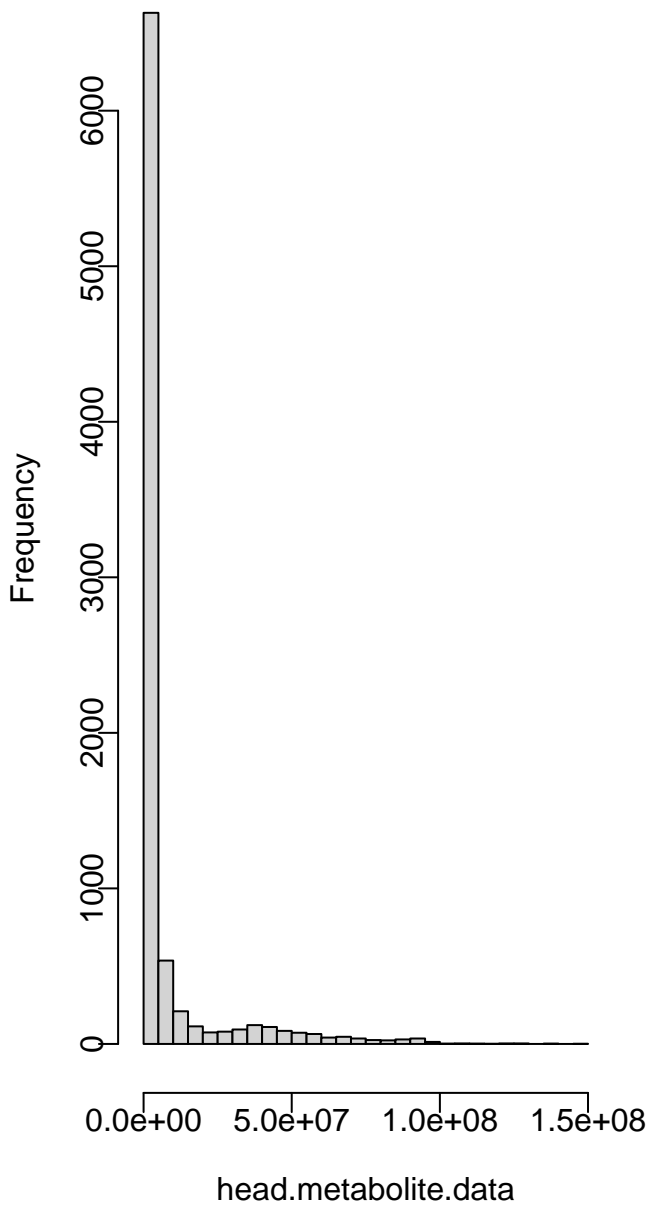
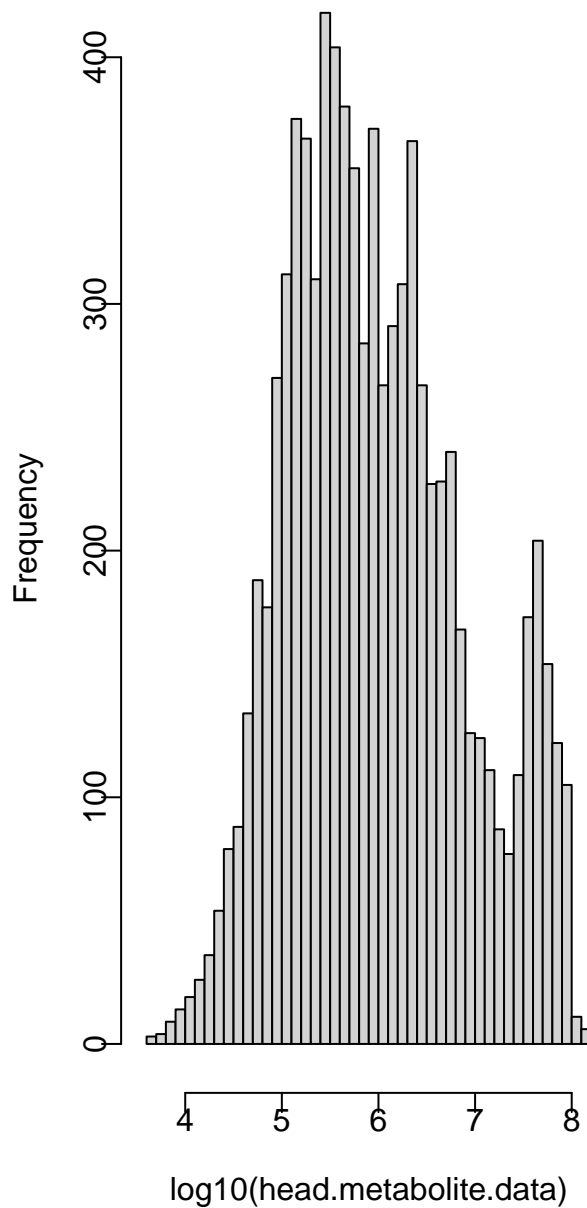


Xanthosine (283.1 / 151.0)

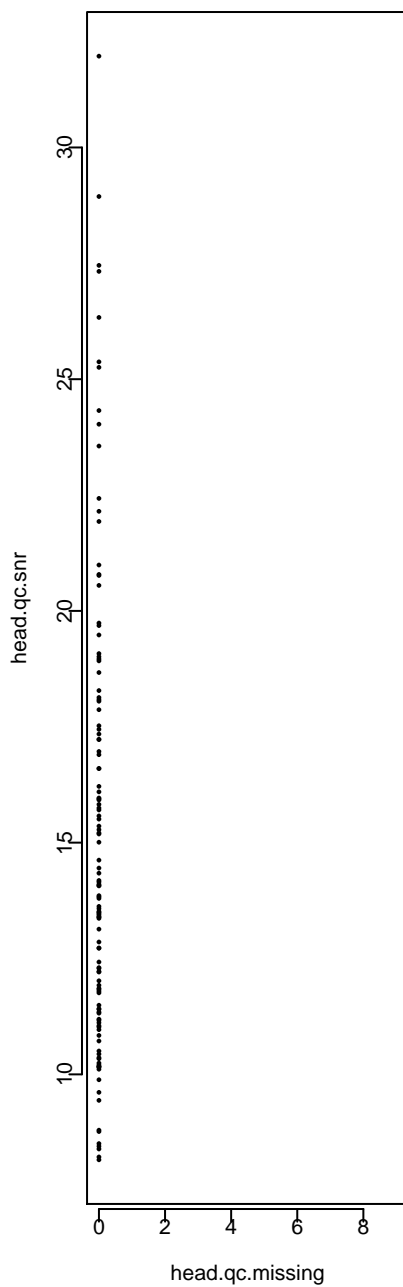
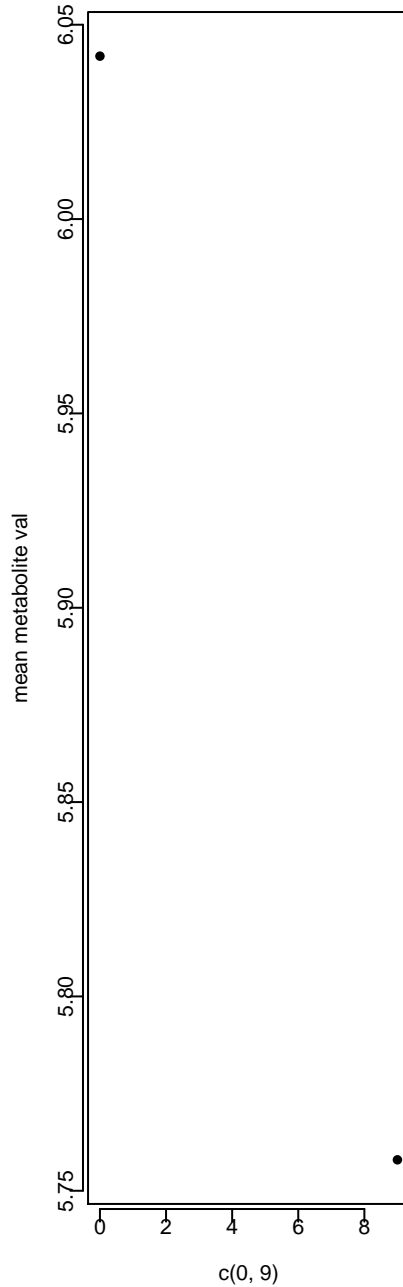
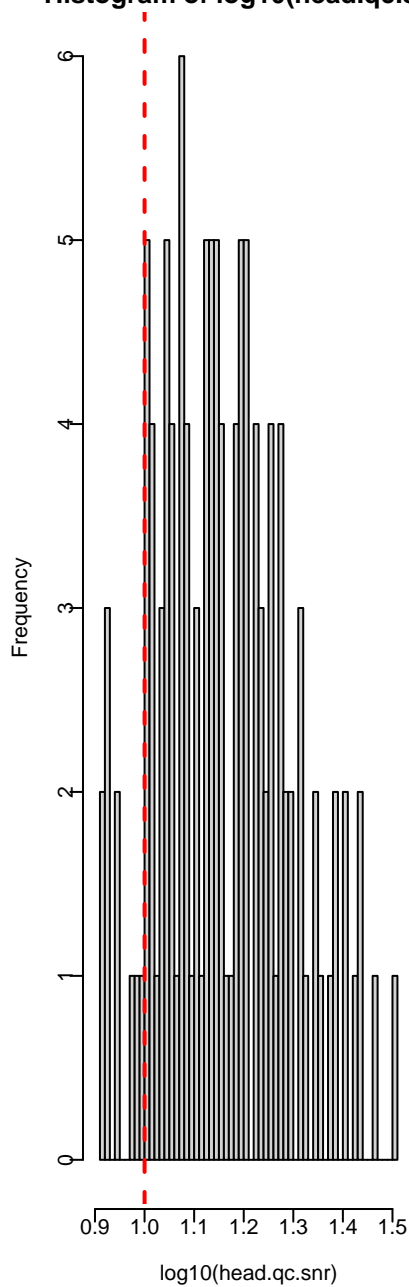


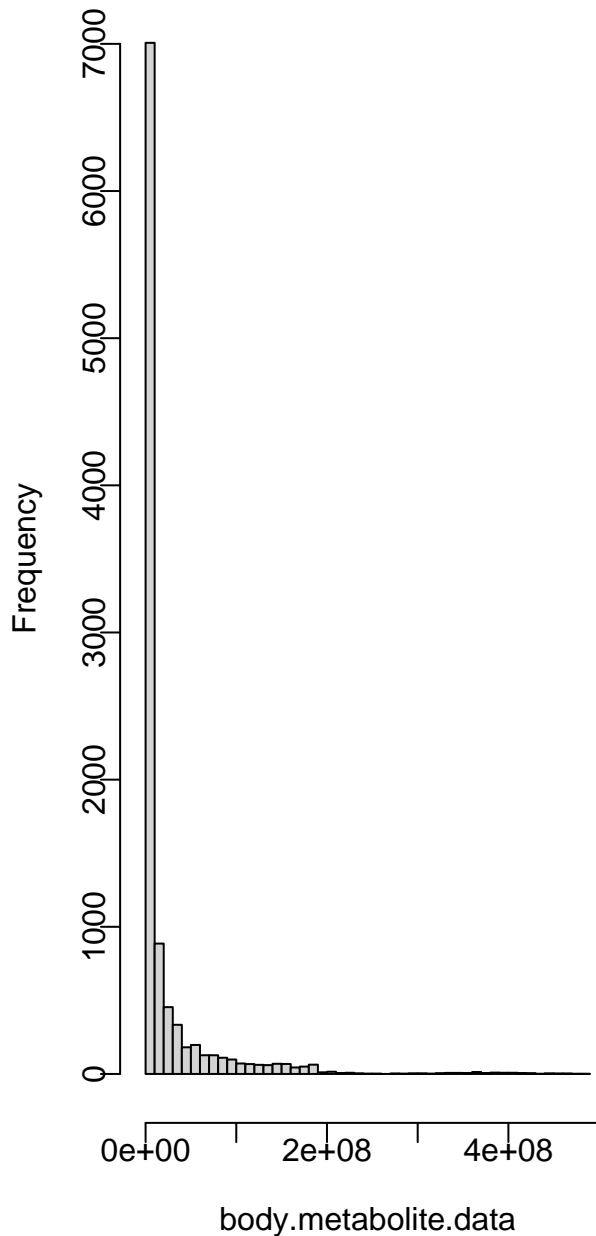
Xanthurenate (204.0 / 160.0)



Raw**Log10 transformation**

Histogram of log10(head.qc.si



Raw**Log10 transformation**