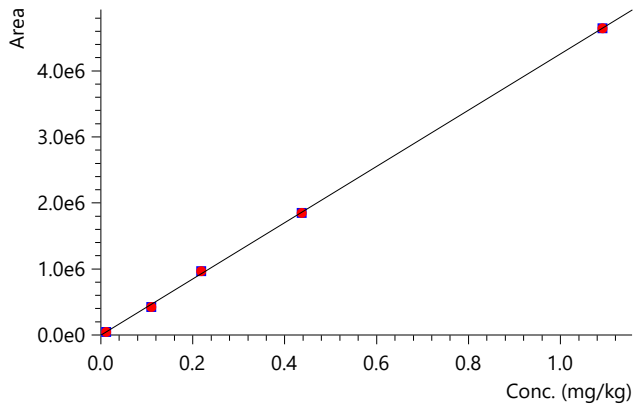


Results File: D:\Spinco\data\Linearity.iproc - AminoAcid_MRM_RT_16052024.lcm

Compound: Alanine
Curve Fit: Linear | Weighting: 1/C | Zero: Not Forced
Quantitative Method: External Standard
Q 90.20>44.30
R² = 0.9992449 R = 0.9996224
y = 4260160x - 1524.503

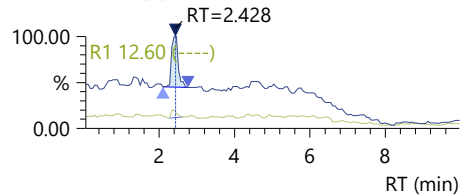


Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.428	46912	0.9992449	0.0114	mg/kg	104.20	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.428	424510	0.9992449	0.1000	mg/kg	91.65	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.428	970239	0.9992449	0.2281	mg/kg	104.53	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.428	1849563	0.9992449	0.4345	mg/kg	99.56	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.428	4649898	0.9992449	1.0918	mg/kg	100.07	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.428	993149	0.9992449	233.4826	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.428	992965	0.9992449	233.4394	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.428	1012270	0.9992449	237.9709	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.428	1002031	0.9992449	235.5677	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

Conc. 0.0114
Area 46912
R#1 90.30>45.20 12.60 (0.00)
Q 90.20>44.30 (+)

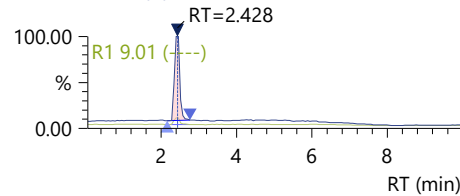
6.71e3



Amino Acid CC_02

Conc. 0.1000
Area 424510
R#1 90.30>45.20 9.01 (0.00)
Q 90.20>44.30 (+)

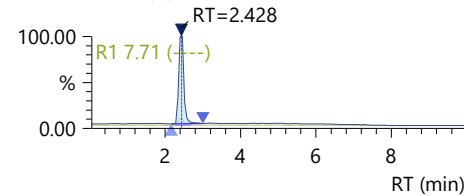
4.53e4



Amino Acid CC_03

Conc. 0.2281
Area 970239
R#1 90.30>45.20 7.71 (0.00)
Q 90.20>44.30 (+)

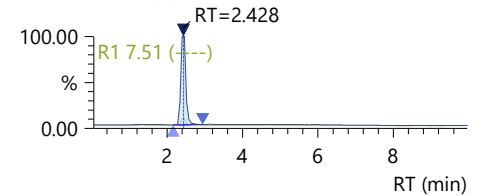
1.02e5



Amino Acid CC_04

Conc. 0.4345
Area 1849563
R#1 90.30>45.20 7.51 (0.00)
Q 90.20>44.30 (+)

1.97e5



Compound: Alanine (continued)**Amino Acid CC_05**

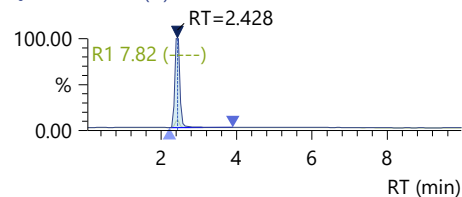
Conc. 1.0918

Area 4649898

R#1 90.30>45.20 7.82 (0.00)

Q 90.20>44.30 (+)

4.90e5

**Ulva Seaweeds Sample_01**

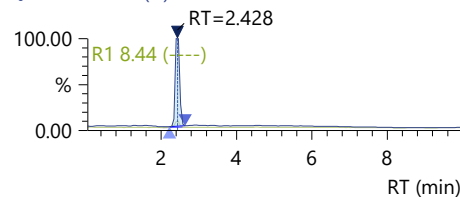
Conc. 233.4826

Area 993149

R#1 90.30>45.20 8.44 (0.00)

Q 90.20>44.30 (+)

1.19e5

**Ulva Seaweeds Sample_02**

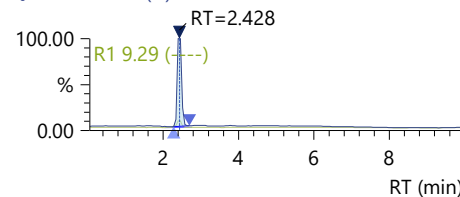
Conc. 233.4394

Area 992965

R#1 90.30>45.20 9.29 (0.00)

Q 90.20>44.30 (+)

1.21e5

**Ulva Seaweeds Sample_03**

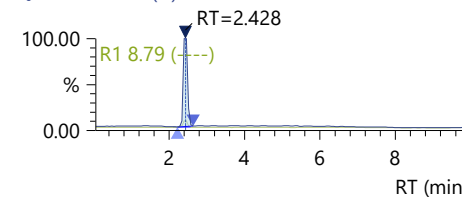
Conc. 237.9709

Area 1012270

R#1 90.30>45.20 8.79 (0.00)

Q 90.20>44.30 (+)

1.25e5

**Ulva Seaweeds Sample_04**

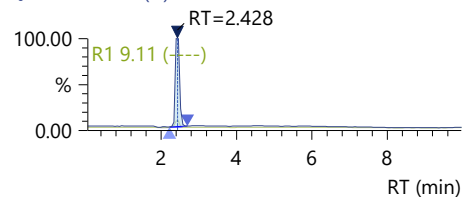
Conc. 235.5677

Area 1002031

R#1 90.30>45.20 9.11 (0.00)

Q 90.20>44.30 (+)

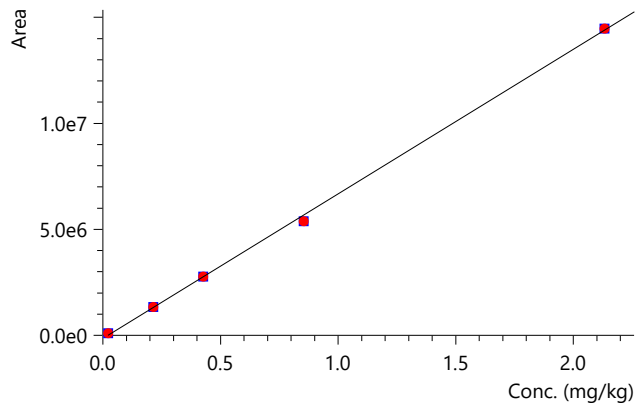
1.24e5

**Compound: Arginine**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 175.40>70.20

 $R^2 = 0.9992694$ $R = 0.9996346$ $y = 6820792x - 152094.8$ 

Compound: Arginine (continued)

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.133	101910	0.9992694	0.0372	mg/kg	174.71	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.133	1342041	0.9992694	0.2191	mg/kg	102.77	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.133	2778550	0.9992694	0.4297	mg/kg	100.79	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.133	5393134	0.9992694	0.8130	mg/kg	95.35	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.133	14484876	0.9992694	2.1459	mg/kg	100.68	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	1.953	2130508	0.9992694	334.6537	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	1.953	1815882	0.9992694	288.5261	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	1.953	1766378	0.9992694	281.2683	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	1.953	1745819	0.9992694	278.2541	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

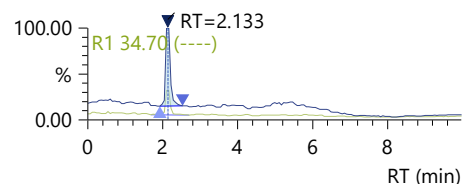
Conc. 0.0372

Area 101910

R#1 175.40>60.20 34.70 (30.39)

Q 175.40>70.20 (+)

1.29e4



Amino Acid CC_02

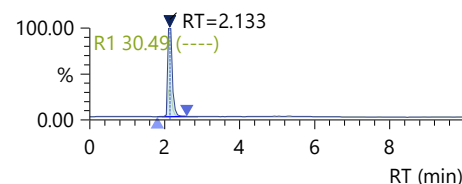
Conc. 0.2191

Area 1342041

R#1 175.40>60.20 30.49 (30.39)

Q 175.40>70.20 (+)

1.56e5



Amino Acid CC_03

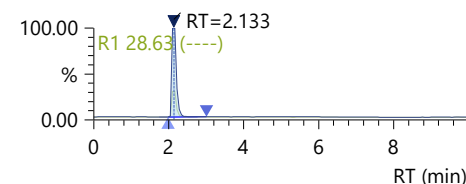
Conc. 0.4297

Area 2778550

R#1 175.40>60.20 28.63 (30.39)

Q 175.40>70.20 (+)

3.14e5



Amino Acid CC_04

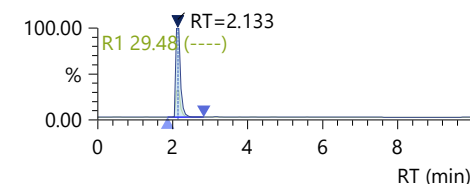
Conc. 0.8130

Area 5393134

R#1 175.40>60.20 29.48 (30.39)

Q 175.40>70.20 (+)

6.05e5



Amino Acid CC_05

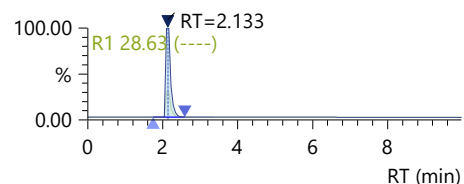
Conc. 2.1459

Area 14484876

R#1 175.40>60.20 28.63 (30.39)

Q 175.40>70.20 (+)

1.57e6



Ulva Seaweeds Sample_01

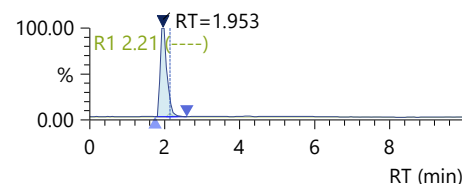
Conc. 334.6537

Area 2130508

R#1 175.40>60.20 2.21 (30.39)

Q 175.40>70.20 (+)

1.68e5



Ulva Seaweeds Sample_02

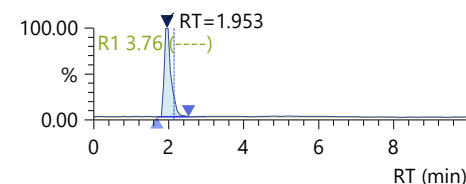
Conc. 288.5261

Area 1815882

R#1 175.40>60.20 3.76 (30.39)

Q 175.40>70.20 (+)

1.44e5



Ulva Seaweeds Sample_03

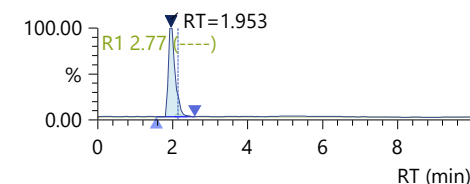
Conc. 281.2683

Area 1766378

R#1 175.40>60.20 2.77 (30.39)

Q 175.40>70.20 (+)

1.38e5



Compound: Arginine (continued)**Ulva Seaweeds Sample_04**

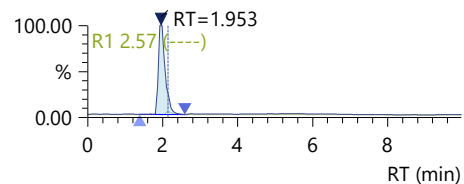
Conc. 278.2541

Area 1745819

R#1 175.40>60.20 2.57 (30.39)

Q 175.40>70.20 (+)

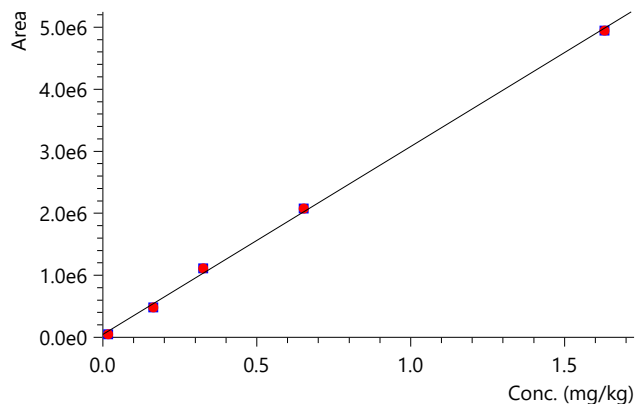
1.36e5

**Compound: Aspartic Acid**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 134.30>74.10

 $R^2 = 0.9990038$ $R = 0.9995018$ $y = 3028723x + 48013.04$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.437	51685	0.9990038	0.0012	mg/kg	7.44	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.437	486084	0.9990038	0.1446	mg/kg	88.79	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.437	1111969	0.9990038	0.3513	mg/kg	107.82	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.437	2077118	0.9990038	0.6700	mg/kg	102.81	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.437	4950418	0.9990038	1.6186	mg/kg	99.36	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.437	924719	0.9990038	289.4637	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.437	927869	0.9990038	290.5040	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.437	903096	0.9990038	282.3245	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.437	919253	0.9990038	287.6593	mg/kg	----	0.10000	100.00000

Compound: Aspartic Acid (continued)**Amino Acid CC_01**

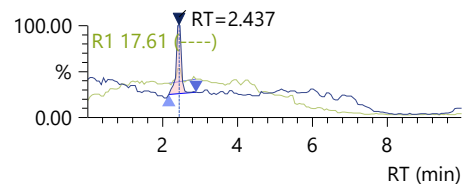
Conc. 0.0012

Area 51685

R#1 134.20>116.10 17.61 (25.12)

Q 134.30>74.10 (+)

7.01e3

**Amino Acid CC_02**

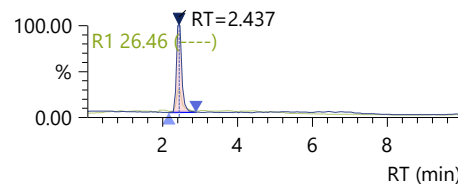
Conc. 0.1446

Area 486084

R#1 134.20>116.10 26.46 (25.12)

Q 134.30>74.10 (+)

5.10e4

**Amino Acid CC_03**

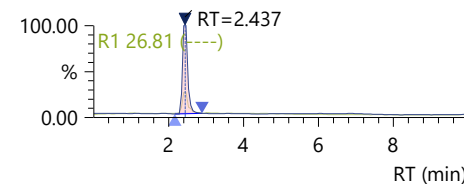
Conc. 0.3513

Area 1111969

R#1 134.20>116.10 26.81 (25.12)

Q 134.30>74.10 (+)

1.17e5

**Amino Acid CC_04**

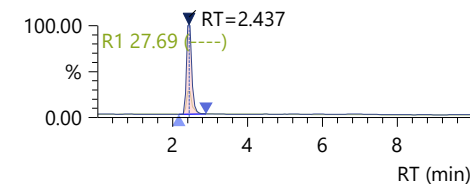
Conc. 0.6700

Area 2077118

R#1 134.20>116.10 27.69 (25.12)

Q 134.30>74.10 (+)

2.16e5

**Amino Acid CC_05**

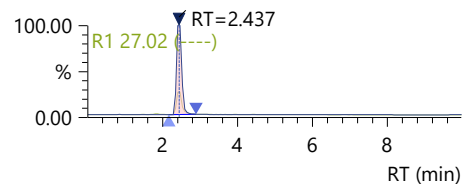
Conc. 1.6186

Area 4950418

R#1 134.20>116.10 27.02 (25.12)

Q 134.30>74.10 (+)

5.20e5

**Ulva Seaweeds Sample_01**

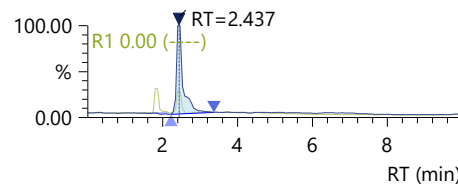
Conc. 289.4637

Area 924719

R#1 134.20>116.10 0.00 (25.12)

Q 134.30>74.10 (+)

7.67e4

**Ulva Seaweeds Sample_02**

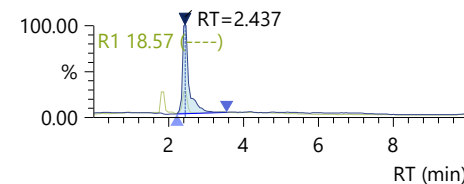
Conc. 290.5040

Area 927869

R#1 134.20>116.10 18.57 (25.12)

Q 134.30>74.10 (+)

7.70e4

**Ulva Seaweeds Sample_03**

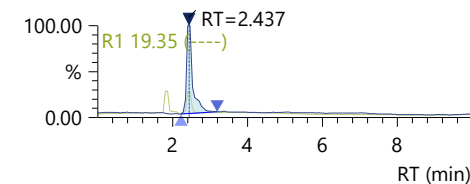
Conc. 282.3245

Area 903096

R#1 134.20>116.10 19.35 (25.12)

Q 134.30>74.10 (+)

8.09e4

**Ulva Seaweeds Sample_04**

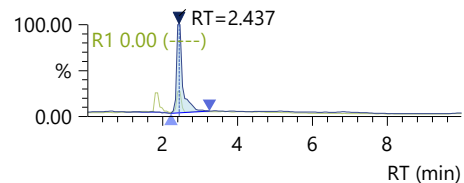
Conc. 287.6593

Area 919253

R#1 134.20>116.10 0.00 (25.12)

Q 134.30>74.10 (+)

8.21e4

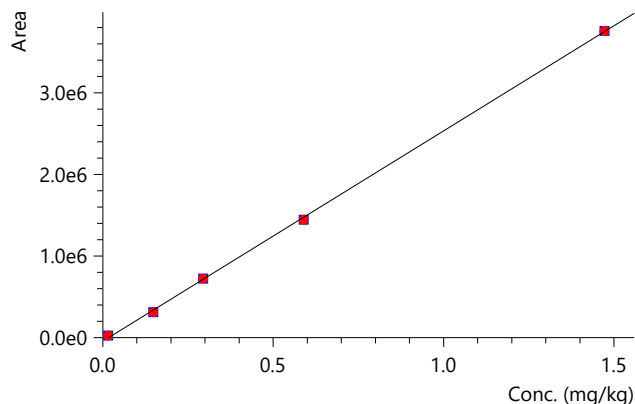


Compound: Cystine

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 241.30>152.10

 $R^2 = 0.9997103$ $R = 0.9998552$ $y = 2577657x - 43181.65$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.320	26547	0.9997103	0.0271	mg/kg	183.80	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.320	313078	0.9997103	0.1382	mg/kg	93.91	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.320	724050	0.9997103	0.2976	mg/kg	101.12	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.320	1445172	0.9997103	0.5774	mg/kg	98.08	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.320	3762445	0.9997103	1.4764	mg/kg	100.31	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.801	8079	0.9997103	19.8865	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	4.363	4339	0.9997103	18.4355	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.380	2311	0.9997103	17.6488	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.291	2642	0.9997103	17.7774	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

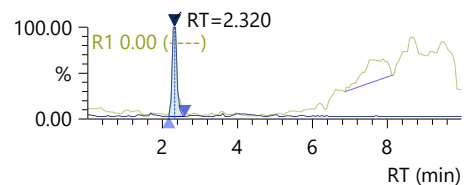
Conc. 0.0271

Area 26547

R#1 241.30>74.20 0.00 (115.05)

Q 241.30>152.10 (+)

2.87e3

**Amino Acid CC_02**

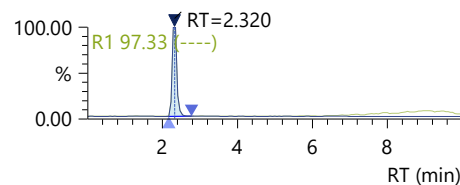
Conc. 0.1382

Area 313078

R#1 241.30>74.20 97.33 (115.05)

Q 241.30>152.10 (+)

3.51e4

**Amino Acid CC_03**

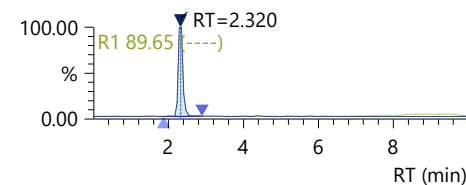
Conc. 0.2976

Area 724050

R#1 241.30>74.20 89.65 (115.05)

Q 241.30>152.10 (+)

8.05e4

**Amino Acid CC_04**

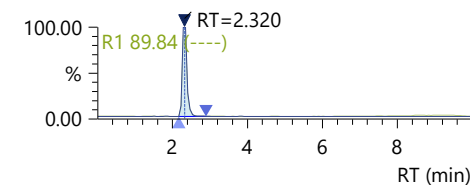
Conc. 0.5774

Area 1445172

R#1 241.30>74.20 89.84 (115.05)

Q 241.30>152.10 (+)

1.61e5



Compound: Cystine (continued)**Amino Acid CC_05**

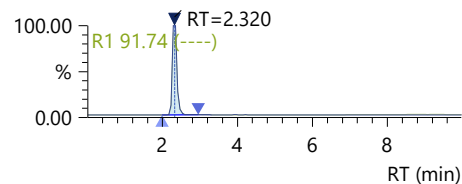
Conc. 1.4764

Area 3762445

R#1 241.30>74.20 91.74 (115.05)

Q 241.30>152.10 (+)

4.24e5

**Ulva Seaweeds Sample_01**

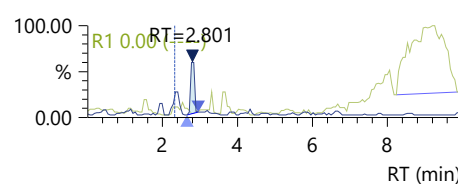
Conc. 19.8865

Area 8079

R#1 241.30>74.20 0.00 (115.05)

Q 241.30>152.10 (+)

1.11e3

**Ulva Seaweeds Sample_02**

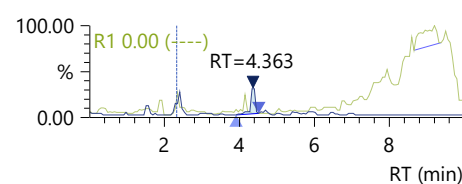
Conc. 18.4355

Area 4339

R#1 241.30>74.20 0.00 (115.05)

Q 241.30>152.10 (+)

5.19e2

**Ulva Seaweeds Sample_03**

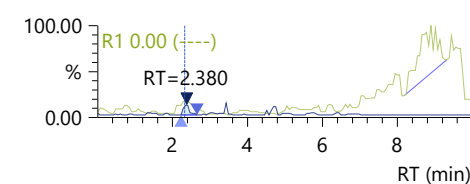
Conc. 17.6488

Area 2311

R#1 241.30>74.20 0.00 (115.05)

Q 241.30>152.10 (+)

2.44e2

**Ulva Seaweeds Sample_04**

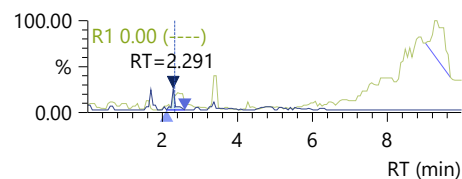
Conc. 17.7774

Area 2642

R#1 241.30>74.20 0.00 (115.05)

Q 241.30>152.10 (+)

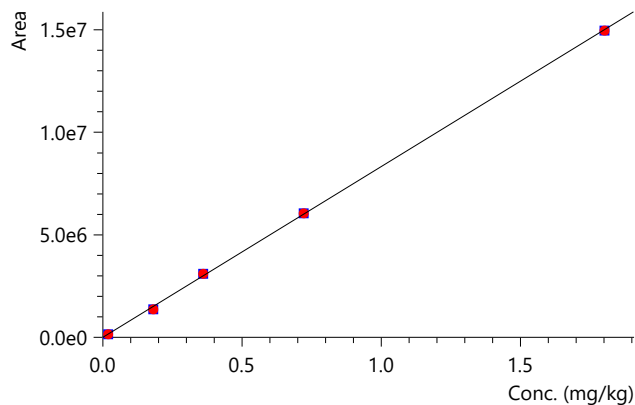
4.12e2

**Compound: Glutamic Acid**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 148.30>84.20

 $R^2 = 0.9997798$ $R = 0.9998899$ $y = 8325977x + 5385.750$ 

Compound: Glutamic Acid (continued)

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.444	158901	0.9997798	0.0184	mg/kg	102.34	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.444	1376065	0.9997798	0.1646	mg/kg	91.38	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.444	3112489	0.9997798	0.3732	mg/kg	103.57	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.444	6051065	0.9997798	0.7261	mg/kg	100.76	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.444	14979027	0.9997798	1.7984	mg/kg	99.82	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.444	2954395	0.9997798	354.1937	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.444	3071038	0.9997798	368.2033	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.444	2984287	0.9997798	357.7840	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.444	2975729	0.9997798	356.7561	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

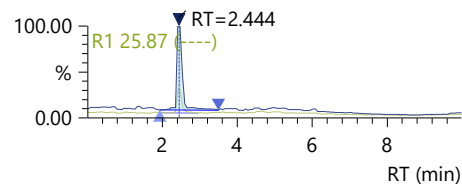
Conc. 0.0184

Area 158901

R#1 148.30>102.20 25.87 (24.92)

Q 148.30>84.20 (+)

1.65e4



Amino Acid CC_02

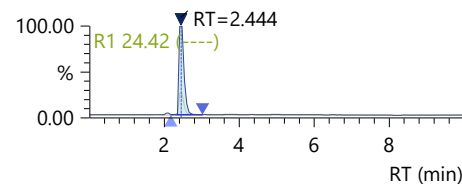
Conc. 0.1646

Area 1376065

R#1 148.30>102.20 24.42 (24.92)

Q 148.30>84.20 (+)

1.51e5



Amino Acid CC_03

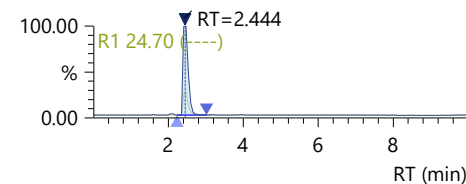
Conc. 0.3732

Area 3112489

R#1 148.30>102.20 24.70 (24.92)

Q 148.30>84.20 (+)

3.30e5



Amino Acid CC_04

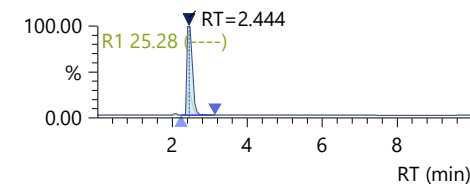
Conc. 0.7261

Area 6051065

R#1 148.30>102.20 25.28 (24.92)

Q 148.30>84.20 (+)

6.18e5



Amino Acid CC_05

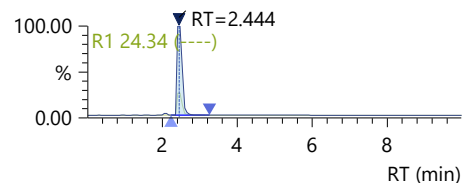
Conc. 1.7984

Area 14979027

R#1 148.30>102.20 24.34 (24.92)

Q 148.30>84.20 (+)

1.59e6



Ulva Seaweeds Sample_01

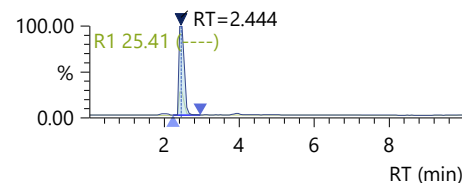
Conc. 354.1937

Area 2954395

R#1 148.30>102.20 25.41 (24.92)

Q 148.30>84.20 (+)

3.10e5



Ulva Seaweeds Sample_02

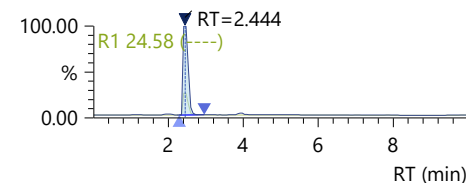
Conc. 368.2033

Area 3071038

R#1 148.30>102.20 24.58 (24.92)

Q 148.30>84.20 (+)

3.26e5



Ulva Seaweeds Sample_03

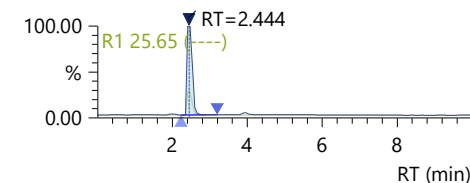
Conc. 357.7840

Area 2984287

R#1 148.30>102.20 25.65 (24.92)

Q 148.30>84.20 (+)

3.11e5



Compound: Glutamic Acid (continued)**Ulva Seaweeds Sample_04**

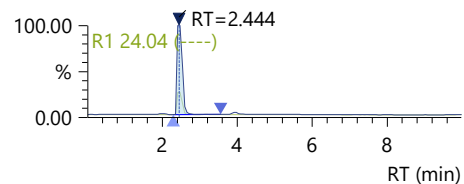
Conc. 356.7561

Area 2975729

R#1 148.30>102.20 24.04 (24.92)

Q 148.30>84.20 (+)

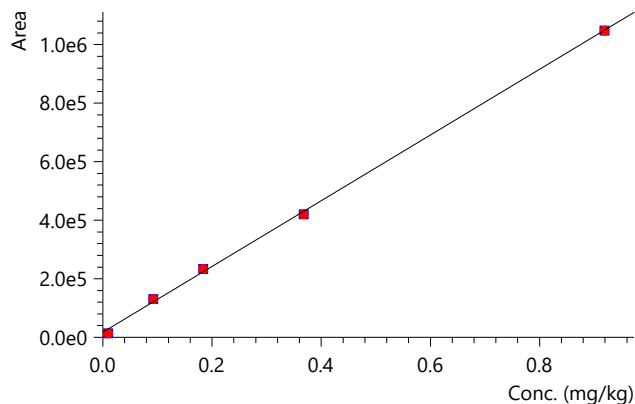
3.06e5

**Compound: Glycine**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 76.20>30.10

 $R^2 = 0.9992718$ $R = 0.9996358$ $y = 1122969x + 17040.15$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.327	14186	0.9992718	-0.0025	mg/kg	-27.67	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.327	131262	0.9992718	0.1017	mg/kg	110.73	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.327	233842	0.9992718	0.1931	mg/kg	105.09	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.327	420790	0.9992718	0.3595	mg/kg	97.85	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.327	1049048	0.9992718	0.9190	mg/kg	100.05	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.327	124293	0.9992718	95.5085	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.327	115850	0.9992718	87.9901	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.327	131575	0.9992718	101.9932	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.387	120796	0.9992718	92.3946	mg/kg	----	0.10000	100.00000

Compound: Glycine (continued)**Amino Acid CC_01**

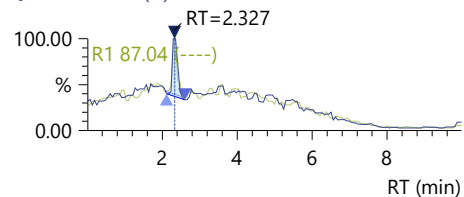
Conc. -0.0025

Area 14186

R#1 76.20>30.20 87.04 (92.79)

Q 76.20>30.10 (+)

2.17e3

**Amino Acid CC_02**

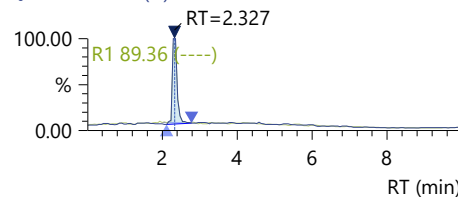
Conc. 0.1017

Area 131262

R#1 76.20>30.20 89.36 (92.79)

Q 76.20>30.10 (+)

1.51e4

**Amino Acid CC_03**

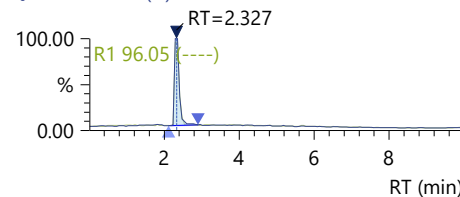
Conc. 0.1931

Area 233842

R#1 76.20>30.20 96.05 (92.79)

Q 76.20>30.10 (+)

2.66e4

**Amino Acid CC_04**

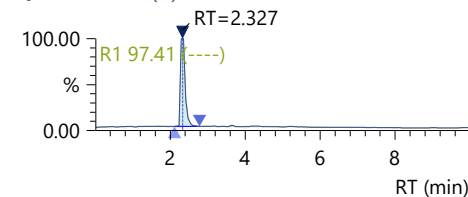
Conc. 0.3595

Area 420790

R#1 76.20>30.20 97.41 (92.79)

Q 76.20>30.10 (+)

4.83e4

**Amino Acid CC_05**

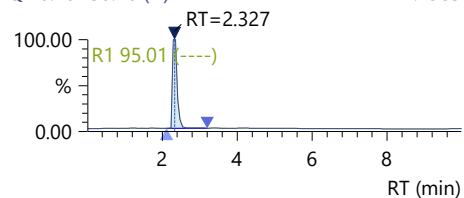
Conc. 0.9190

Area 1049048

R#1 76.20>30.20 95.01 (92.79)

Q 76.20>30.10 (+)

1.19e5

**Ulva Seaweeds Sample_01**

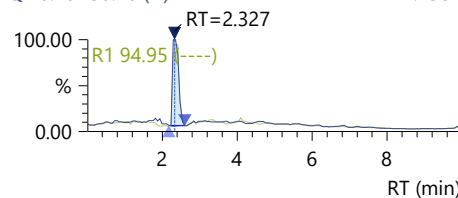
Conc. 95.5085

Area 124293

R#1 76.20>30.20 94.95 (92.79)

Q 76.20>30.10 (+)

1.13e4

**Ulva Seaweeds Sample_02**

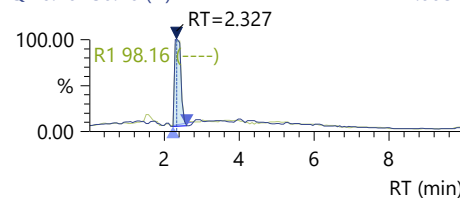
Conc. 87.9901

Area 115850

R#1 76.20>30.20 98.16 (92.79)

Q 76.20>30.10 (+)

1.00e4

**Ulva Seaweeds Sample_03**

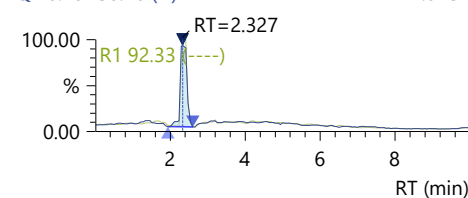
Conc. 101.9932

Area 131575

R#1 76.20>30.20 92.33 (92.79)

Q 76.20>30.10 (+)

1.04e4

**Ulva Seaweeds Sample_04**

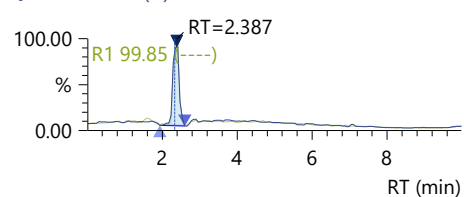
Conc. 92.3946

Area 120796

R#1 76.20>30.20 99.85 (92.79)

Q 76.20>30.10 (+)

1.01e4

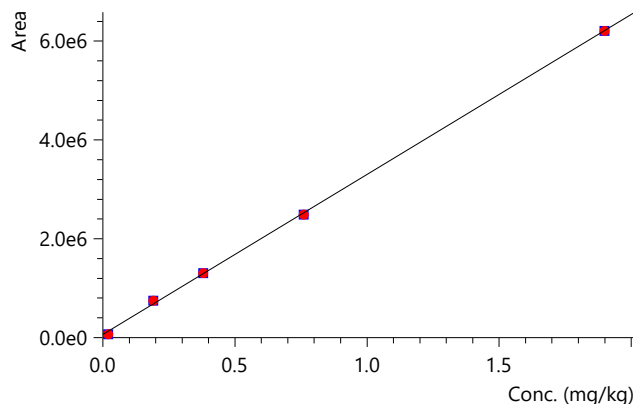


Compound: Histidine

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 156.40>110.30

 $R^2 = 0.9995873$ $R = 0.9997936$ $y = 3237409x + 63590.16$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.150	68037	0.9995873	0.0014	mg/kg	7.24	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.150	751026	0.9995873	0.2123	mg/kg	111.87	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.150	1304862	0.9995873	0.3834	mg/kg	101.00	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.150	2489707	0.9995873	0.7494	mg/kg	98.71	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.150	6211916	0.9995873	1.8992	mg/kg	100.06	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.150	56299	0.9995873	-2.2521	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.150	58534	0.9995873	-1.5617	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.150	80128	0.9995873	5.1085	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.150	73081	0.9995873	2.9315	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

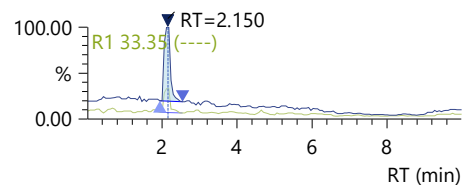
Conc. 0.0014

Area 68037

R#1 156.20>83.30 33.35 (30.40)

Q 156.40>110.30 (+)

7.02e3

**Amino Acid CC_02**

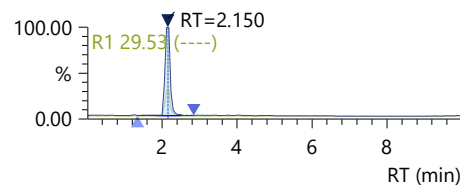
Conc. 0.2123

Area 751026

R#1 156.20>83.30 29.53 (30.40)

Q 156.40>110.30 (+)

7.66e4

**Amino Acid CC_03**

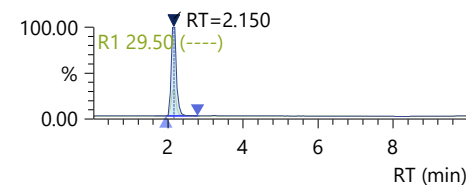
Conc. 0.3834

Area 1304862

R#1 156.20>83.30 29.50 (30.40)

Q 156.40>110.30 (+)

1.33e5

**Amino Acid CC_04**

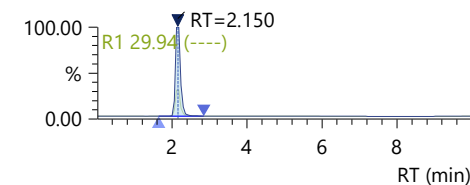
Conc. 0.7494

Area 2489707

R#1 156.20>83.30 29.94 (30.40)

Q 156.40>110.30 (+)

2.59e5



Compound: Histidine (continued)**Amino Acid CC_05**

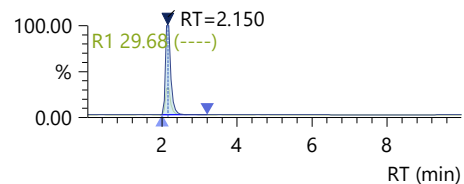
Conc. 1.8992

Area 6211916

R#1 156.20>83.30 29.68 (30.40)

Q 156.40>110.30 (+)

6.16e5

**Ulva Seaweeds Sample_01**

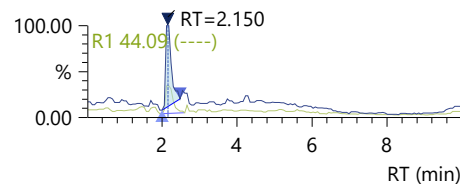
Conc. -2.2521

Area 56299

R#1 156.20>83.30 44.09 (30.40)

Q 156.40>110.30 (+)

5.70e3

**Ulva Seaweeds Sample_02**

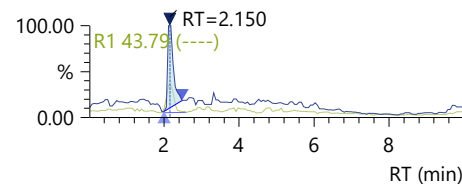
Conc. -1.5617

Area 58534

R#1 156.20>83.30 43.79 (30.40)

Q 156.40>110.30 (+)

5.89e3

**Ulva Seaweeds Sample_03**

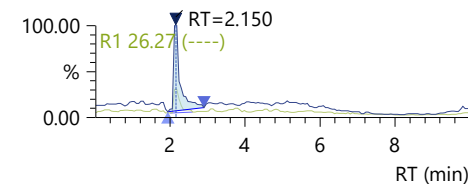
Conc. 5.1085

Area 80128

R#1 156.20>83.30 26.27 (30.40)

Q 156.40>110.30 (+)

6.79e3

**Ulva Seaweeds Sample_04**

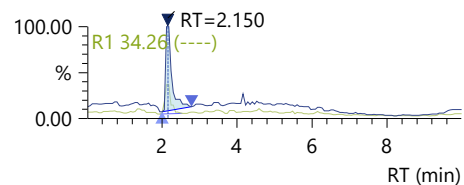
Conc. 2.9315

Area 73081

R#1 156.20>83.30 34.26 (30.40)

Q 156.40>110.30 (+)

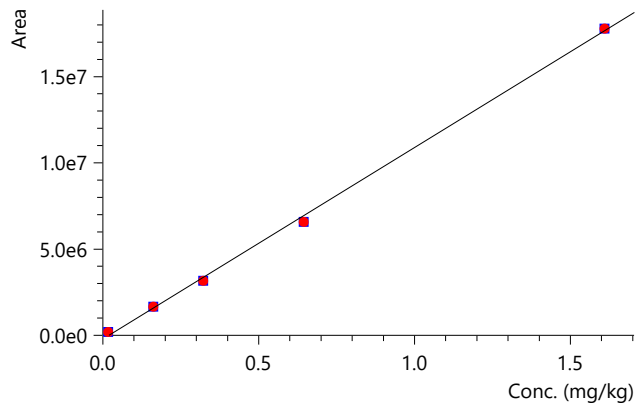
6.79e3

**Compound: Isoleucine**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 132.40>86.30

 $R^2 = 0.9987933$ $R = 0.9993965$ $y = 11105550x - 221863.8$ 

Compound: Isoleucine (continued)

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	4.677	211419	0.9987933	0.0390	mg/kg	242.51	1.00000	1.00000
Amino Acid CC_02	Std.	2	4.677	1664149	0.9987933	0.1698	mg/kg	105.56	1.00000	1.00000
Amino Acid CC_03	Std.	3	4.737	3173965	0.9987933	0.3058	mg/kg	95.03	1.00000	1.00000
Amino Acid CC_04	Std.	4	4.737	6592128	0.9987933	0.6136	mg/kg	95.35	1.00000	1.00000
Amino Acid CC_05	Std.	5	4.737	17800585	0.9987933	1.6228	mg/kg	100.87	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	4.737	3691981	0.9987933	352.4226	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	4.737	4188956	0.9987933	397.1727	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	4.737	2176771	0.9987933	215.9853	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	4.737	1982022	0.9987933	198.4491	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

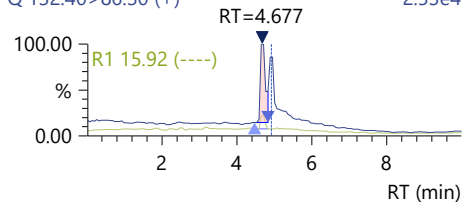
Conc. 0.0390

Area 211419

R#1 132.40>69.20 15.92 (15.34)

Q 132.40>86.30 (+)

2.53e4



Amino Acid CC_02

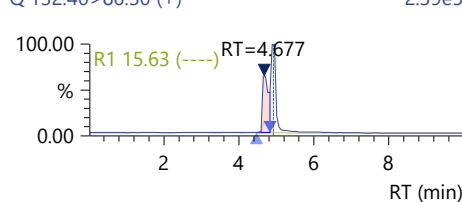
Conc. 0.1698

Area 1664149

R#1 132.40>69.20 15.63 (15.34)

Q 132.40>86.30 (+)

2.39e5



Amino Acid CC_03

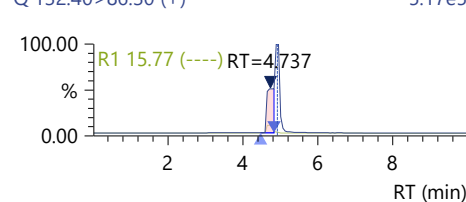
Conc. 0.3058

Area 3173965

R#1 132.40>69.20 15.77 (15.34)

Q 132.40>86.30 (+)

5.17e5



Amino Acid CC_04

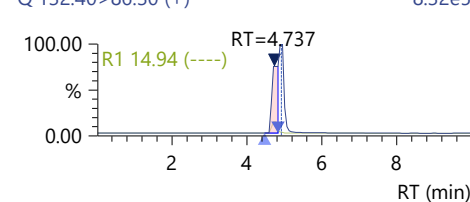
Conc. 0.6136

Area 6592128

R#1 132.40>69.20 14.94 (15.34)

Q 132.40>86.30 (+)

8.32e5



Amino Acid CC_05

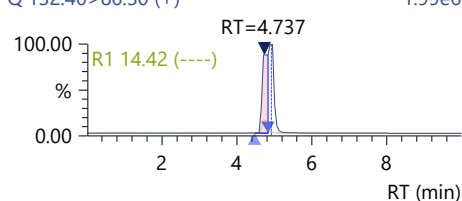
Conc. 1.6228

Area 17800585

R#1 132.40>69.20 14.42 (15.34)

Q 132.40>86.30 (+)

1.99e6



Ulva Seaweeds Sample_01

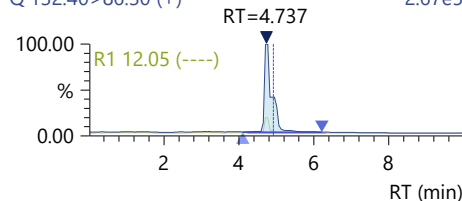
Conc. 352.4226

Area 3691981

R#1 132.40>69.20 12.05 (15.34)

Q 132.40>86.30 (+)

2.67e5



Ulva Seaweeds Sample_02

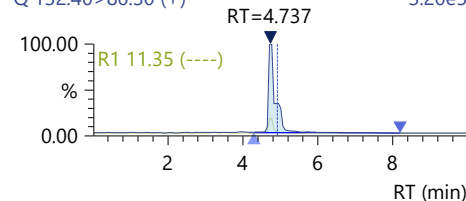
Conc. 397.1727

Area 4188956

R#1 132.40>69.20 11.35 (15.34)

Q 132.40>86.30 (+)

3.20e5



Ulva Seaweeds Sample_03

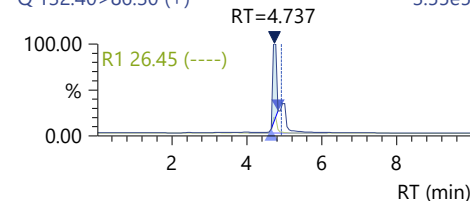
Conc. 215.9853

Area 2176771

R#1 132.40>69.20 26.45 (15.34)

Q 132.40>86.30 (+)

3.55e5



Compound: Isoleucine (continued)**Ulva Seaweeds Sample_04**

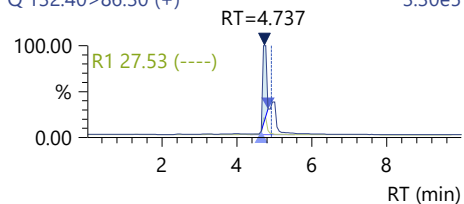
Conc. 198.4491

Area 1982022

R#1 132.40>69.20 27.53 (15.34)

Q 132.40>86.30 (+)

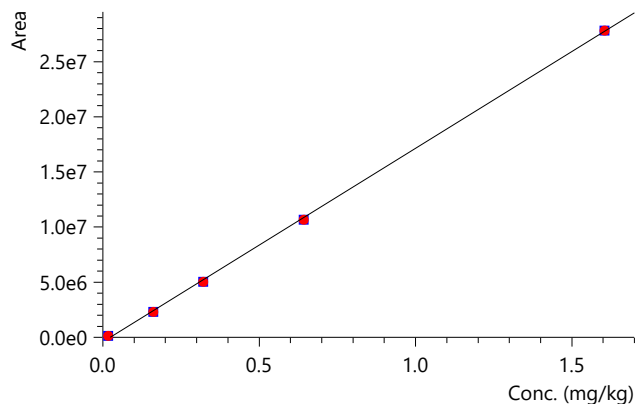
3.30e5

**Compound: Leucine**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 132.40>86.30

 $R^2 = 0.9996953$ $R = 0.9998476$ $y = 17564610x - 421373.5$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	4.921	154869	0.9996953	0.0328	mg/kg	204.57	1.00000	1.00000
Amino Acid CC_02	Std.	2	4.921	2311272	0.9996953	0.1556	mg/kg	97.01	1.00000	1.00000
Amino Acid CC_03	Std.	3	4.921	5059499	0.9996953	0.3120	mg/kg	97.29	1.00000	1.00000
Amino Acid CC_04	Std.	4	4.921	10690087	0.9996953	0.6326	mg/kg	98.62	1.00000	1.00000
Amino Acid CC_05	Std.	5	4.921	27845546	0.9996953	1.6093	mg/kg	100.35	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	4.741	4286201	0.9996953	268.0147	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	4.741	4671020	0.9996953	289.9235	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	4.741	2371297	0.9996953	158.9941	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	4.741	2473906	0.9996953	164.8359	mg/kg	----	0.10000	100.00000

Compound: Leucine (continued)**Amino Acid CC_01**

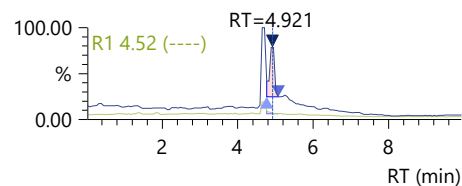
Conc. 0.0328

Area 154869

R#1 132.40>69.30 4.52 (2.91)

Q 132.40>86.30 (+)

3.03e4

**Amino Acid CC_02**

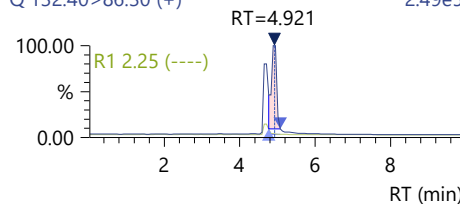
Conc. 0.1556

Area 2311272

R#1 132.40>69.30 2.25 (2.91)

Q 132.40>86.30 (+)

2.49e5

**Amino Acid CC_03**

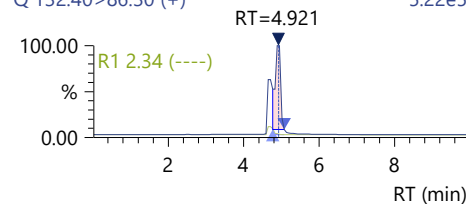
Conc. 0.3120

Area 5059499

R#1 132.40>69.30 2.34 (2.91)

Q 132.40>86.30 (+)

5.22e5

**Amino Acid CC_04**

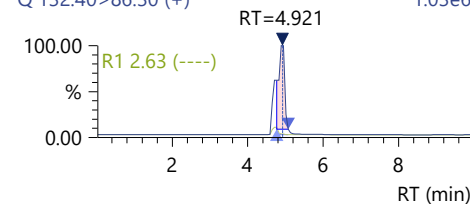
Conc. 0.6326

Area 10690087

R#1 132.40>69.30 2.63 (2.91)

Q 132.40>86.30 (+)

1.03e6

**Amino Acid CC_05**

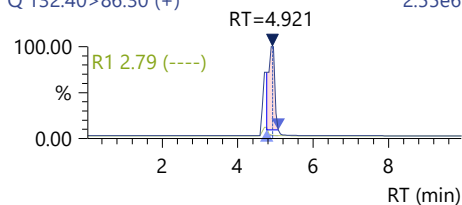
Conc. 1.6093

Area 27845546

R#1 132.40>69.30 2.79 (2.91)

Q 132.40>86.30 (+)

2.55e6

**Ulva Seaweeds Sample_01**

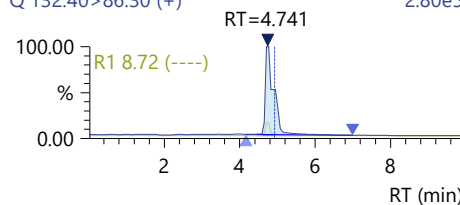
Conc. 268.0147

Area 4286201

R#1 132.40>69.30 8.72 (2.91)

Q 132.40>86.30 (+)

2.80e5

**Ulva Seaweeds Sample_02**

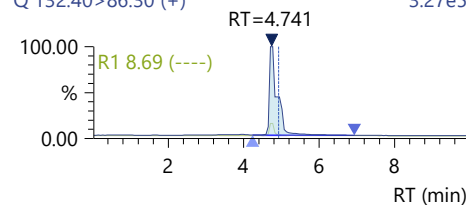
Conc. 289.9235

Area 4671020

R#1 132.40>69.30 8.69 (2.91)

Q 132.40>86.30 (+)

3.27e5

**Ulva Seaweeds Sample_03**

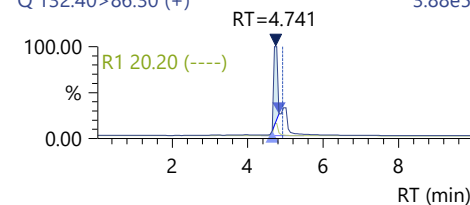
Conc. 158.9941

Area 2371297

R#1 132.40>69.30 20.20 (2.91)

Q 132.40>86.30 (+)

3.88e5

**Ulva Seaweeds Sample_04**

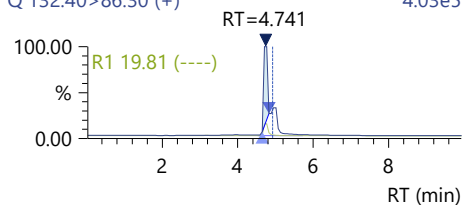
Conc. 164.8359

Area 2473906

R#1 132.40>69.30 19.81 (2.91)

Q 132.40>86.30 (+)

4.03e5

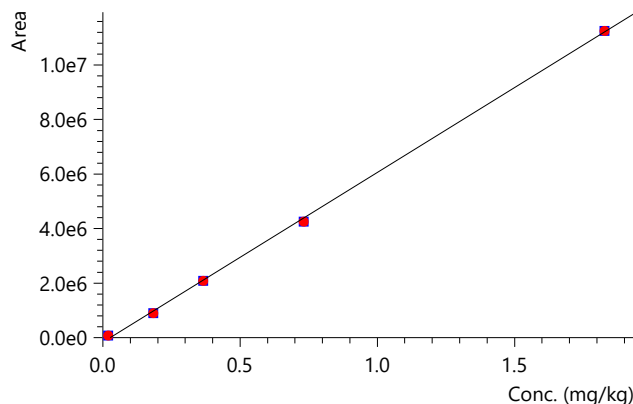


Compound: Methionine

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 150.20>56.20

 $R^2 = 0.9995213$ $R = 0.9997606$ $y = 6227685x - 169682.9$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	3.542	81669	0.9995213	0.0404	mg/kg	220.91	1.00000	1.00000
Amino Acid CC_02	Std.	2	3.542	909614	0.9995213	0.1733	mg/kg	94.86	1.00000	1.00000
Amino Acid CC_03	Std.	3	3.542	2087547	0.9995213	0.3625	mg/kg	99.19	1.00000	1.00000
Amino Acid CC_04	Std.	4	3.542	4266800	0.9995213	0.7124	mg/kg	97.48	1.00000	1.00000
Amino Acid CC_05	Std.	5	3.542	11262395	0.9995213	1.8357	mg/kg	100.47	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	3.567	6621	0.9995213	28.3096	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	4.744	5130	0.9995213	28.0703	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	1.920	10004	0.9995213	28.8529	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	1.760	13631	0.9995213	29.4352	mg/kg	----	0.10000	100.00000

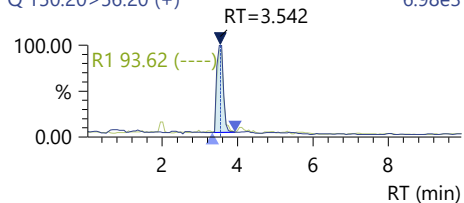
Amino Acid CC_01

Conc. 0.0404

Area 81669

R#1 150.30>104.20 93.62 (0.00)

Q 150.20>56.20 (+)

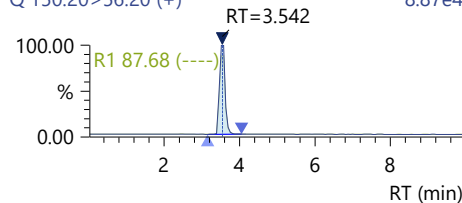
**Amino Acid CC_02**

Conc. 0.1733

Area 909614

R#1 150.30>104.20 87.68 (0.00)

Q 150.20>56.20 (+)

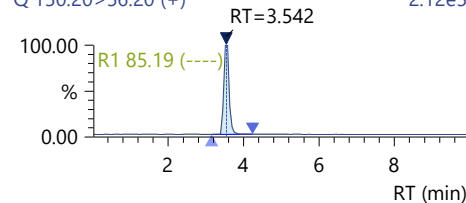
**Amino Acid CC_03**

Conc. 0.3625

Area 2087547

R#1 150.30>104.20 85.19 (0.00)

Q 150.20>56.20 (+)

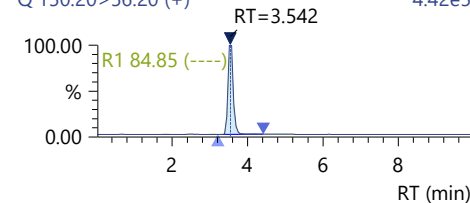
**Amino Acid CC_04**

Conc. 0.7124

Area 4266800

R#1 150.30>104.20 84.85 (0.00)

Q 150.20>56.20 (+)



Compound: Methionine (continued)**Amino Acid CC_05**

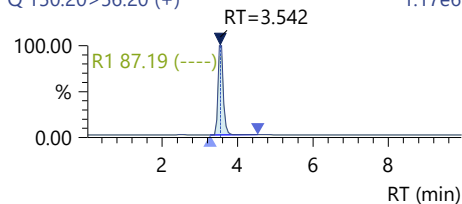
Conc. 1.8357

Area 11262395

R#1 150.30>104.20 87.19 (0.00)

Q 150.20>56.20 (+)

1.17e6

**Ulva Seaweeds Sample_01**

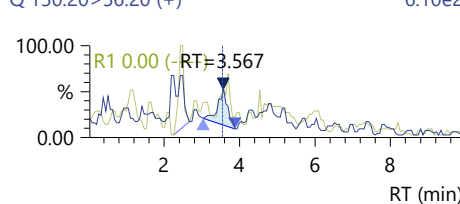
Conc. 28.3096

Area 6621

R#1 150.30>104.20 0.00 (0.00)

Q 150.20>56.20 (+)

6.10e2

**Ulva Seaweeds Sample_02**

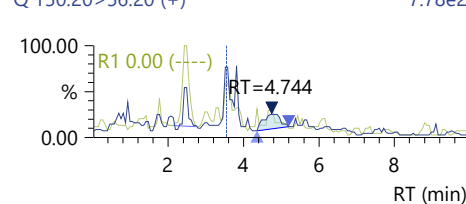
Conc. 28.0703

Area 5130

R#1 150.30>104.20 0.00 (0.00)

Q 150.20>56.20 (+)

7.78e2

**Ulva Seaweeds Sample_03**

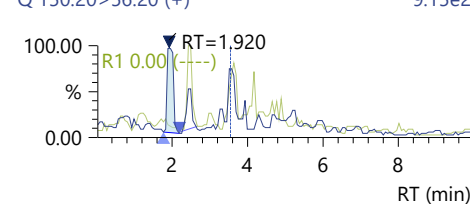
Conc. 28.8529

Area 10004

R#1 150.30>104.20 0.00 (0.00)

Q 150.20>56.20 (+)

9.15e2

**Ulva Seaweeds Sample_04**

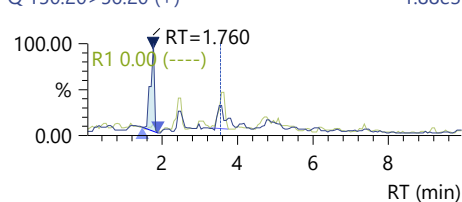
Conc. 29.4352

Area 13631

R#1 150.30>104.20 0.00 (0.00)

Q 150.20>56.20 (+)

1.88e3

**Compound: Phenylalanine**

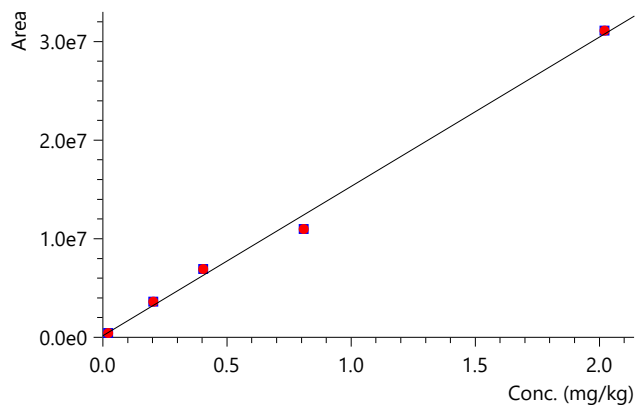
Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 166.40>120.20

R² = 0.9953500 R = 0.9976723

y = 15132040x + 177694.1



Compound: Phenylalanine (continued)

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	5.529	452824	0.9953500	0.0182	mg/kg	90.02	1.00000	1.00000
Amino Acid CC_02	Std.	2	5.529	3634896	0.9953500	0.2285	mg/kg	113.11	1.00000	1.00000
Amino Acid CC_03	Std.	3	5.529	6936485	0.9953500	0.4467	mg/kg	110.57	1.00000	1.00000
Amino Acid CC_04	Std.	4	5.529	10991605	0.9953500	0.7146	mg/kg	88.45	1.00000	1.00000
Amino Acid CC_05	Std.	5	5.529	31138115	0.9953500	2.0460	mg/kg	101.30	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	5.529	1241591	0.9953500	70.3076	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	5.529	1354990	0.9953500	77.8015	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	5.589	1090174	0.9953500	60.3012	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	5.589	1006682	0.9953500	54.7836	mg/kg	----	0.10000	100.00000

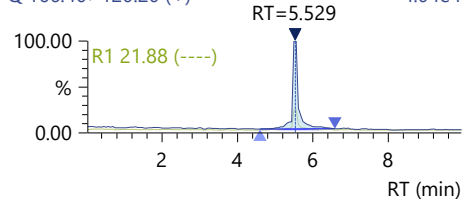
Amino Acid CC_01

Conc. 0.0182

Area 452824

R#1 166.40>103.20 21.88 (27.96)

Q 166.40>120.20 (+)



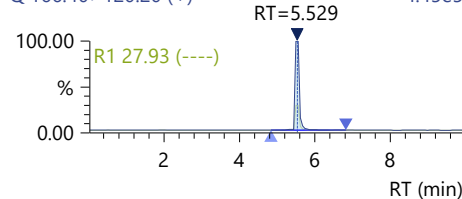
Amino Acid CC_02

Conc. 0.2285

Area 3634896

R#1 166.40>103.20 27.93 (27.96)

Q 166.40>120.20 (+)



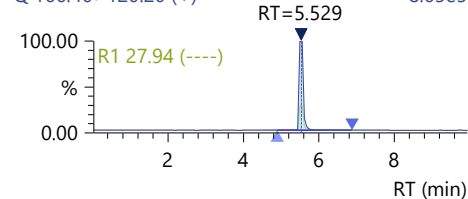
Amino Acid CC_03

Conc. 0.4467

Area 6936485

R#1 166.40>103.20 27.94 (27.96)

Q 166.40>120.20 (+)



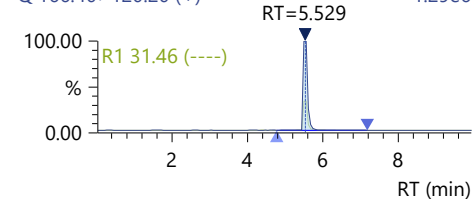
Amino Acid CC_04

Conc. 0.7146

Area 10991605

R#1 166.40>103.20 31.46 (27.96)

Q 166.40>120.20 (+)



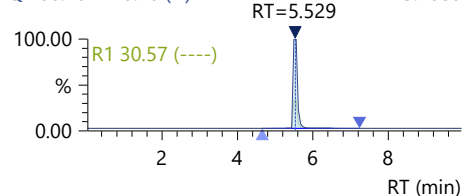
Amino Acid CC_05

Conc. 2.0460

Area 31138115

R#1 166.40>103.20 30.57 (27.96)

Q 166.40>120.20 (+)



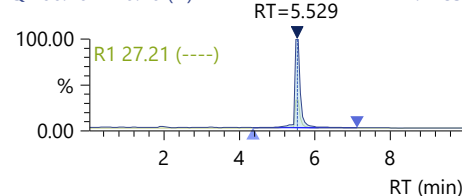
Ulva Seaweeds Sample_01

Conc. 70.3076

Area 1241591

R#1 166.40>103.20 27.21 (27.96)

Q 166.40>120.20 (+)



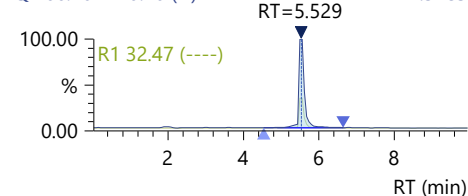
Ulva Seaweeds Sample_02

Conc. 77.8015

Area 1354990

R#1 166.40>103.20 32.47 (27.96)

Q 166.40>120.20 (+)



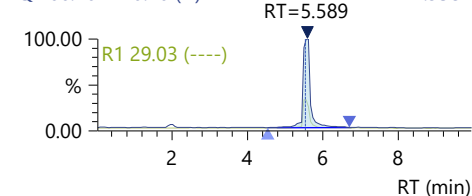
Ulva Seaweeds Sample_03

Conc. 60.3012

Area 1090174

R#1 166.40>103.20 29.03 (27.96)

Q 166.40>120.20 (+)



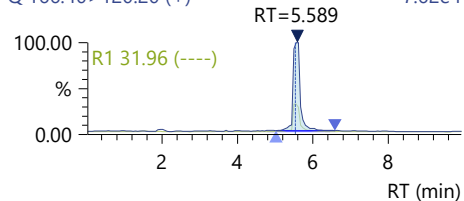
Compound: Phenylalanine (continued)**Ulva Seaweeds Sample_04**

Conc. 54.7836

Area 1006682

R#1 166.40>103.20 31.96 (27.96)

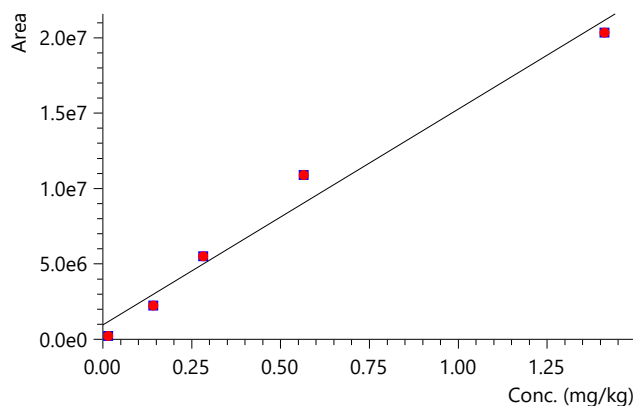
Q 166.40>120.20 (+)

**Compound: Proline**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 116.30>70.20

 $R^2 = 0.9778298$ $R = 0.9888528$ $y = 14309590x + 951867.2$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.588	232667	0.9778298	-0.0503	mg/kg	-356.24	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.588	2255277	0.9778298	0.0911	mg/kg	64.56	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.588	5526148	0.9778298	0.3197	mg/kg	113.29	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.588	10905010	0.9778298	0.6956	mg/kg	123.25	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.588	20363044	0.9778298	1.3565	mg/kg	96.15	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.588	2277185	0.9778298	92.6175	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.588	2124243	0.9778298	81.9294	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.588	1925330	0.9778298	68.0287	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.588	1913098	0.9778298	67.1739	mg/kg	----	0.10000	100.00000

Compound: Proline (continued)**Amino Acid CC_01**

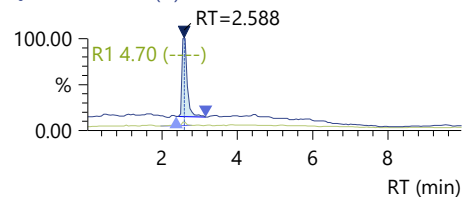
Conc. -0.0503

Area 232667

R#1 116.30>43.30 4.70 (3.30)

Q 116.30>70.20 (+)

2.73e4

**Amino Acid CC_02**

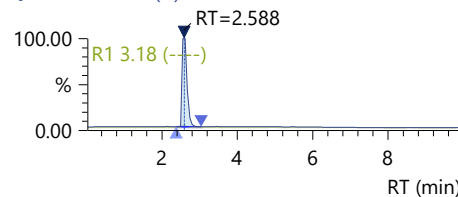
Conc. 0.0911

Area 2255277

R#1 116.30>43.30 3.18 (3.30)

Q 116.30>70.20 (+)

2.48e5

**Amino Acid CC_03**

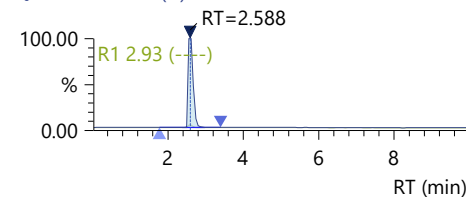
Conc. 0.3197

Area 5526148

R#1 116.30>43.30 2.93 (3.30)

Q 116.30>70.20 (+)

5.91e5

**Amino Acid CC_04**

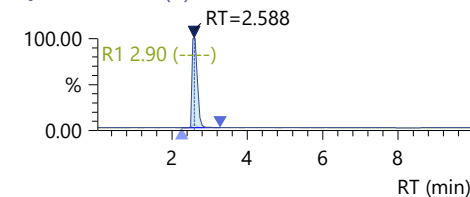
Conc. 0.6956

Area 10905010

R#1 116.30>43.30 2.90 (3.30)

Q 116.30>70.20 (+)

1.13e6

**Amino Acid CC_05**

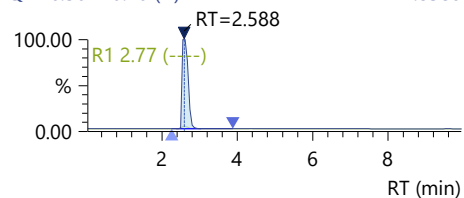
Conc. 1.3565

Area 20363044

R#1 116.30>43.30 2.77 (3.30)

Q 116.30>70.20 (+)

1.85e6

**Ulva Seaweeds Sample_01**

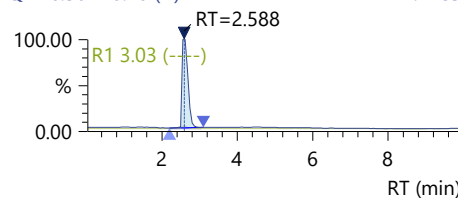
Conc. 92.6175

Area 2277185

R#1 116.30>43.30 3.03 (3.30)

Q 116.30>70.20 (+)

2.12e5

**Ulva Seaweeds Sample_02**

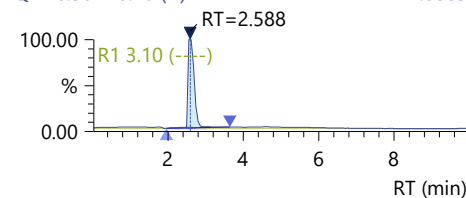
Conc. 81.9294

Area 2124243

R#1 116.30>43.30 3.10 (3.30)

Q 116.30>70.20 (+)

1.88e5

**Ulva Seaweeds Sample_03**

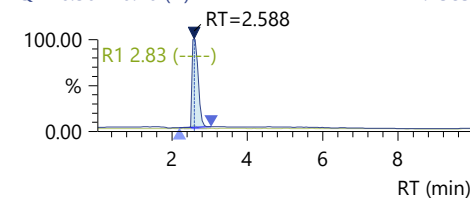
Conc. 68.0287

Area 1925330

R#1 116.30>43.30 2.83 (3.30)

Q 116.30>70.20 (+)

1.75e5

**Ulva Seaweeds Sample_04**

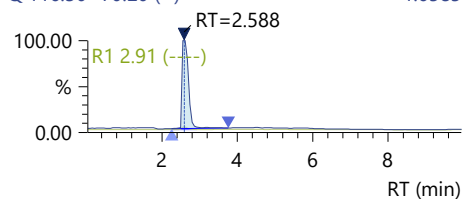
Conc. 67.1739

Area 1913098

R#1 116.30>43.30 2.91 (3.30)

Q 116.30>70.20 (+)

1.65e5

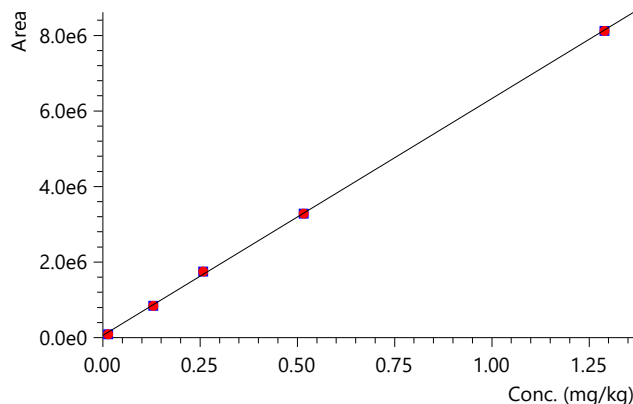


Compound: Serine

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 106.30>60.20

 $R^2 = 0.9997919$ $R = 0.9998959$ $y = 6268796x + 57088.82$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.351	96567	0.9997919	0.0063	mg/kg	48.85	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.351	845005	0.9997919	0.1257	mg/kg	97.50	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.351	1752163	0.9997919	0.2704	mg/kg	104.88	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.351	3282655	0.9997919	0.5145	mg/kg	99.79	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.351	8127274	0.9997919	1.2874	mg/kg	99.87	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.351	457669	0.9997919	63.9007	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.351	467089	0.9997919	65.4033	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.351	446429	0.9997919	62.1076	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.411	435080	0.9997919	60.2973	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

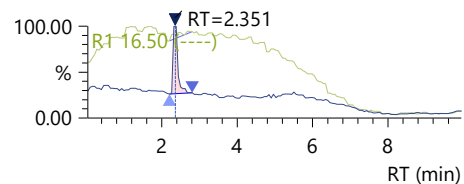
Conc. 0.0063

Area 96567

R#1 106.30>88.10 16.50 (10.96)

Q 106.30>60.20 (+)

1.42e4

**Amino Acid CC_02**

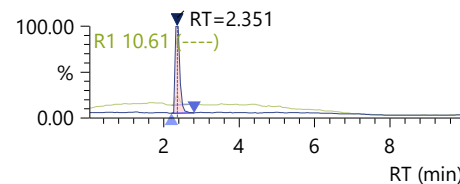
Conc. 0.1257

Area 845005

R#1 106.30>88.10 10.61 (10.96)

Q 106.30>60.20 (+)

9.69e4

**Amino Acid CC_03**

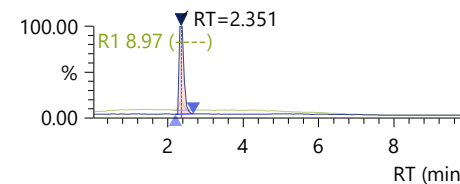
Conc. 0.2704

Area 1752163

R#1 106.30>88.10 8.97 (10.96)

Q 106.30>60.20 (+)

1.97e5

**Amino Acid CC_04**

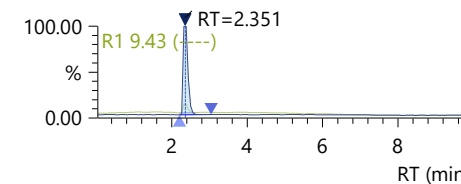
Conc. 0.5145

Area 3282655

R#1 106.30>88.10 9.43 (10.96)

Q 106.30>60.20 (+)

3.59e5



Compound: Serine (continued)**Amino Acid CC_05**

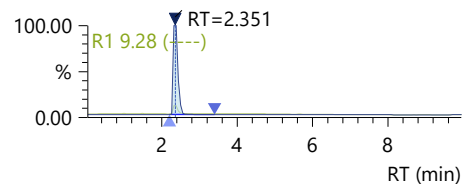
Conc. 1.2874

Area 8127274

R#1 106.30>88.10 9.28 (10.96)

Q 106.30>60.20 (+)

8.94e5

**Ulva Seaweeds Sample_01**

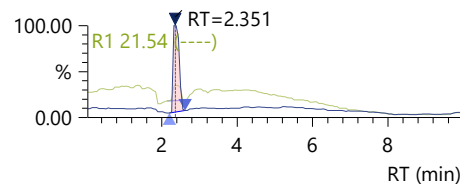
Conc. 63.9007

Area 457669

R#1 106.30>88.10 21.54 (10.96)

Q 106.30>60.20 (+)

4.15e4

**Ulva Seaweeds Sample_02**

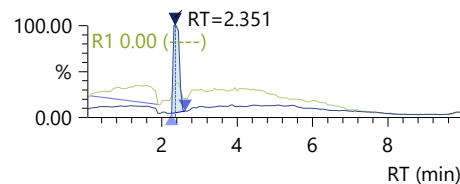
Conc. 65.4033

Area 467089

R#1 106.30>88.10 0.00 (10.96)

Q 106.30>60.20 (+)

4.12e4

**Ulva Seaweeds Sample_03**

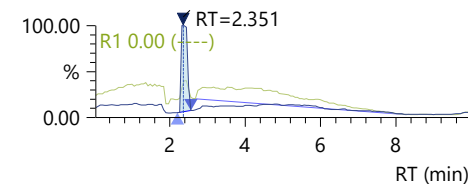
Conc. 62.1076

Area 446429

R#1 106.30>88.10 0.00 (10.96)

Q 106.30>60.20 (+)

3.94e4

**Ulva Seaweeds Sample_04**

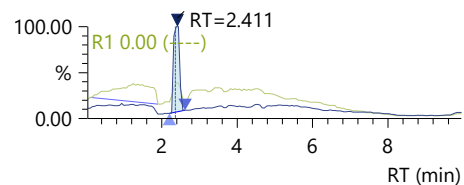
Conc. 60.2973

Area 435080

R#1 106.30>88.10 0.00 (10.96)

Q 106.30>60.20 (+)

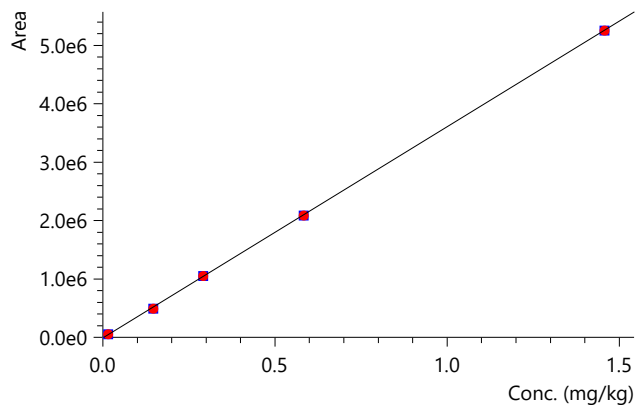
3.97e4

**Compound: Threonine**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 120.30>74.20

 $R^2 = 0.9999553$ $R = 0.9999776$ $y = 3617310x - 11642.45$ 

Compound: Threonine (continued)

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.414	53523	0.9999553	0.0180	mg/kg	123.68	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.415	494981	0.9999553	0.1401	mg/kg	96.16	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.475	1054664	0.9999553	0.2948	mg/kg	101.19	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.475	2088885	0.9999553	0.5807	mg/kg	99.67	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.475	5259259	0.9999553	1.4571	mg/kg	100.04	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.475	148155	0.9999553	44.1757	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.475	148209	0.9999553	44.1906	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.475	146013	0.9999553	43.5837	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.475	140855	0.9999553	42.1576	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

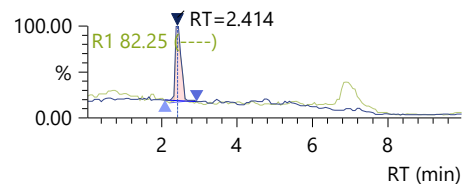
Conc. 0.0180

Area 53523

R#1 120.30>56.20 82.25 (80.12)

Q 120.30>74.20 (+)

5.70e3



Amino Acid CC_02

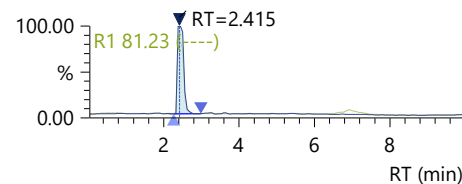
Conc. 0.1401

Area 494981

R#1 120.30>56.20 81.23 (80.12)

Q 120.30>74.20 (+)

4.26e4



Amino Acid CC_03

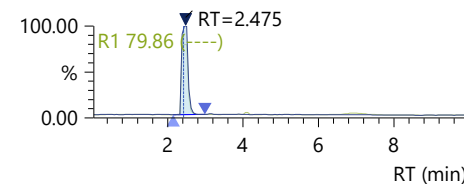
Conc. 0.2948

Area 1054664

R#1 120.30>56.20 79.86 (80.12)

Q 120.30>74.20 (+)

8.93e4



Amino Acid CC_04

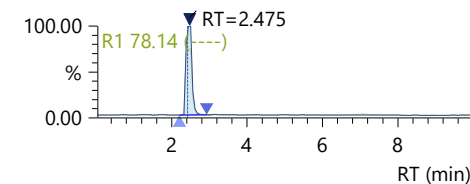
Conc. 0.5807

Area 2088885

R#1 120.30>56.20 78.14 (80.12)

Q 120.30>74.20 (+)

1.86e5



Amino Acid CC_05

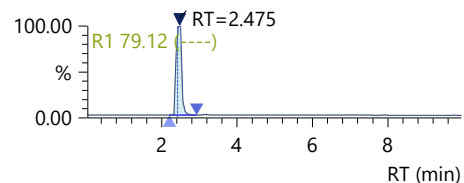
Conc. 1.4571

Area 5259259

R#1 120.30>56.20 79.12 (80.12)

Q 120.30>74.20 (+)

4.99e5



Ulva Seaweeds Sample_01

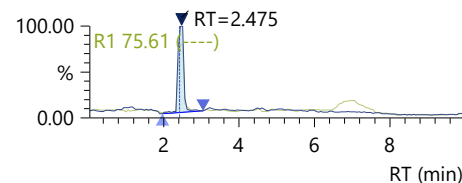
Conc. 44.1757

Area 148155

R#1 120.30>56.20 75.61 (80.12)

Q 120.30>74.20 (+)

1.38e4



Ulva Seaweeds Sample_02

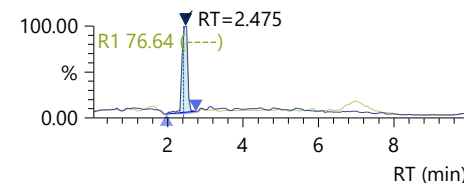
Conc. 44.1906

Area 148209

R#1 120.30>56.20 76.64 (80.12)

Q 120.30>74.20 (+)

1.43e4



Ulva Seaweeds Sample_03

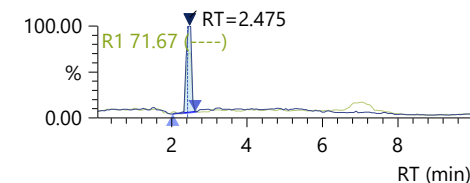
Conc. 43.5837

Area 146013

R#1 120.30>56.20 71.67 (80.12)

Q 120.30>74.20 (+)

1.50e4



Compound: Threonine (continued)**Ulva Seaweeds Sample_04**

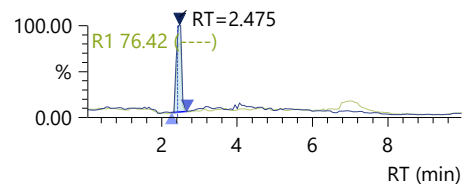
Conc. 42.1576

Area 140855

R#1 120.30>56.20 76.42 (80.12)

Q 120.30>74.20 (+)

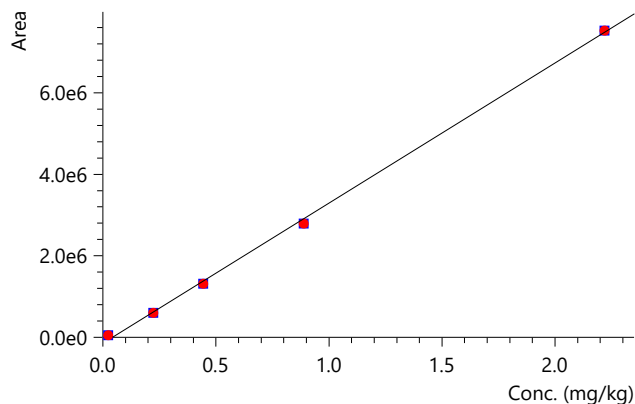
1.47e4

**Compound: Tyrosine**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 182.20>136.30

 $R^2 = 0.9990769$ $R = 0.9995383$ $y = 3437685x - 145609.6$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	4.281	53704	0.9990769	0.0580	mg/kg	261.43	1.00000	1.00000
Amino Acid CC_02	Std.	2	4.281	607111	0.9990769	0.2190	mg/kg	98.73	1.00000	1.00000
Amino Acid CC_03	Std.	3	4.281	1318796	0.9990769	0.4260	mg/kg	96.04	1.00000	1.00000
Amino Acid CC_04	Std.	4	4.281	2796006	0.9990769	0.8557	mg/kg	96.46	1.00000	1.00000
Amino Acid CC_05	Std.	5	4.281	7533459	0.9990769	2.2338	mg/kg	100.72	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	4.281	3137057	0.9990769	954.9061	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	4.281	3408145	0.9990769	1033.7640	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	4.281	3568272	0.9990769	1080.3439	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	4.281	3622571	0.9990769	1096.1390	mg/kg	----	0.10000	100.00000

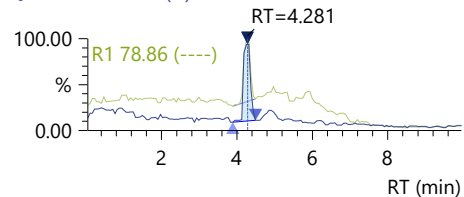
Compound: Tyrosine (continued)**Amino Acid CC_01**

Conc. 0.0580

Area 53704

R#1 182.20>165.10 78.86 (70.35)

Q 182.20>136.30 (+) 4.65e3

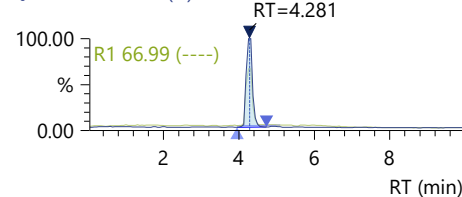
**Amino Acid CC_02**

Conc. 0.2190

Area 607111

R#1 182.20>165.10 66.99 (70.35)

Q 182.20>136.30 (+) 5.40e4

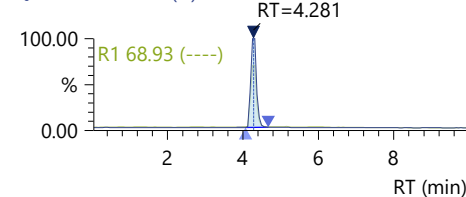
**Amino Acid CC_03**

Conc. 0.4260

Area 1318796

R#1 182.20>165.10 68.93 (70.35)

Q 182.20>136.30 (+) 1.26e5

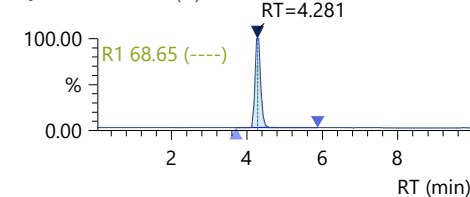
**Amino Acid CC_04**

Conc. 0.8557

Area 2796006

R#1 182.20>165.10 68.65 (70.35)

Q 182.20>136.30 (+) 2.67e5

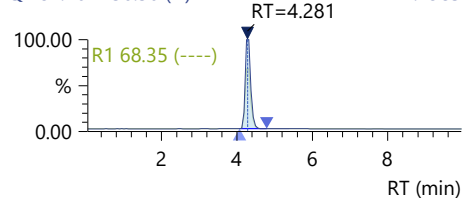
**Amino Acid CC_05**

Conc. 2.2338

Area 7533459

R#1 182.20>165.10 68.35 (70.35)

Q 182.20>136.30 (+) 7.49e5

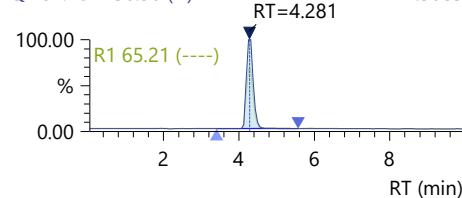
**Ulva Seaweeds Sample_01**

Conc. 954.9061

Area 3137057

R#1 182.20>165.10 65.21 (70.35)

Q 182.20>136.30 (+) 2.50e5

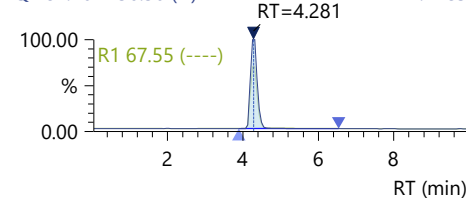
**Ulva Seaweeds Sample_02**

Conc. 1033.7640

Area 3408145

R#1 182.20>165.10 67.55 (70.35)

Q 182.20>136.30 (+) 2.71e5

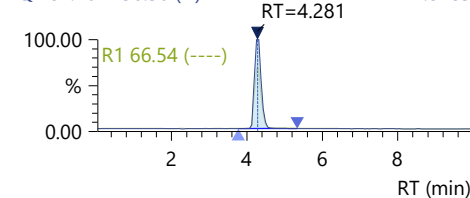
**Ulva Seaweeds Sample_03**

Conc. 1080.3439

Area 3568272

R#1 182.20>165.10 66.54 (70.35)

Q 182.20>136.30 (+) 2.87e5

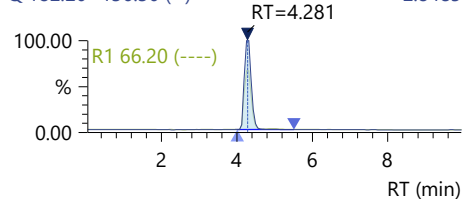
**Ulva Seaweeds Sample_04**

Conc. 1096.1390

Area 3622571

R#1 182.20>165.10 66.20 (70.35)

Q 182.20>136.30 (+) 2.84e5

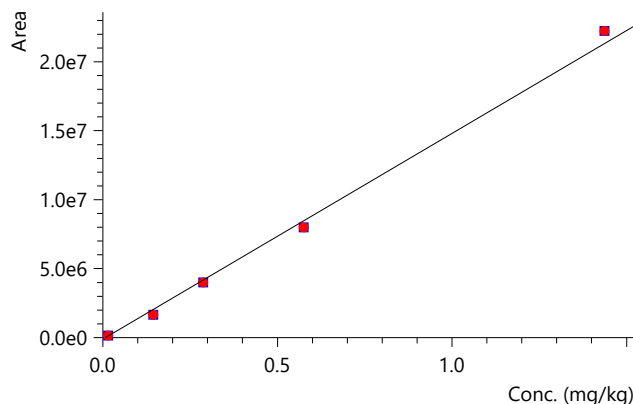


Compound: Valine

Curve Fit: Linear | Weighting: 1/C | Zero: Not Forced

Quantitative Method: External Standard

Q 118.40>72.20

 $R^2 = 0.9954618$ $R = 0.9977283$ $y = 14914820x - 108319.2$ 

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	3.142	152985	0.9954618	0.0175	mg/kg	121.98	1.00000	1.00000
Amino Acid CC_02	Std.	2	3.142	1665971	0.9954618	0.1190	mg/kg	82.83	1.00000	1.00000
Amino Acid CC_03	Std.	3	3.142	4010451	0.9954618	0.2762	mg/kg	96.14	1.00000	1.00000
Amino Acid CC_04	Std.	4	3.142	8000140	0.9954618	0.5437	mg/kg	94.63	1.00000	1.00000
Amino Acid CC_05	Std.	5	3.142	22258997	0.9954618	1.4997	mg/kg	104.42	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	3.202	2201642	0.9954618	154.8769	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	3.202	2617738	0.9954618	182.7751	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	3.202	2787433	0.9954618	194.1527	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	3.202	2993469	0.9954618	207.9669	mg/kg	----	0.10000	100.00000

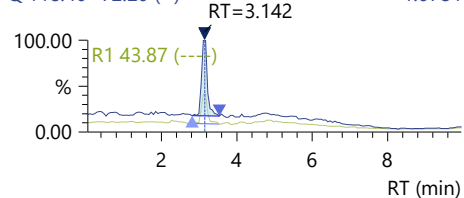
Amino Acid CC_01

Conc. 0.0175

Area 152985

R#1 118.40>55.10 43.87 (37.51)

Q 118.40>72.20 (+)

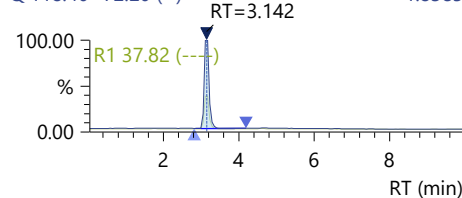
**Amino Acid CC_02**

Conc. 0.1190

Area 1665971

R#1 118.40>55.10 37.82 (37.51)

Q 118.40>72.20 (+)

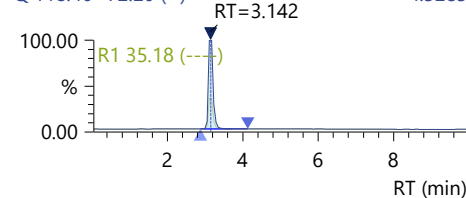
**Amino Acid CC_03**

Conc. 0.2762

Area 4010451

R#1 118.40>55.10 35.18 (37.51)

Q 118.40>72.20 (+)

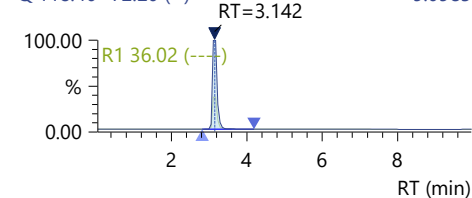
**Amino Acid CC_04**

Conc. 0.5437

Area 8000140

R#1 118.40>55.10 36.02 (37.51)

Q 118.40>72.20 (+)



Compound: Valine (continued)**Amino Acid CC_05**

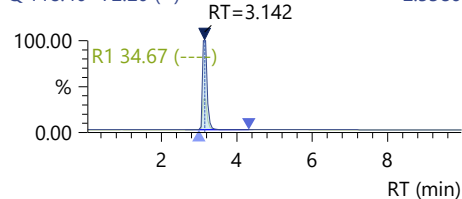
Conc. 1.4997

Area 22258997

R#1 118.40>55.10 34.67 (37.51)

Q 118.40>72.20 (+)

2.53e6

**Ulva Seaweeds Sample_01**

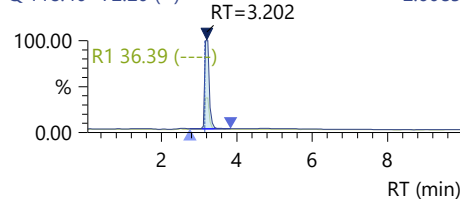
Conc. 154.8769

Area 2201642

R#1 118.40>55.10 36.39 (37.51)

Q 118.40>72.20 (+)

2.60e5

**Ulva Seaweeds Sample_02**

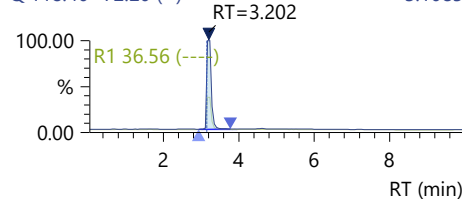
Conc. 182.7751

Area 2617738

R#1 118.40>55.10 36.56 (37.51)

Q 118.40>72.20 (+)

3.10e5

**Ulva Seaweeds Sample_03**

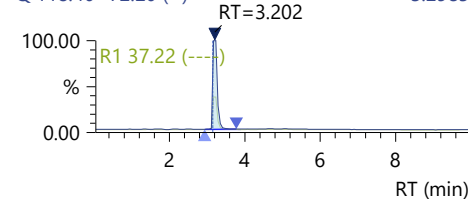
Conc. 194.1527

Area 2787433

R#1 118.40>55.10 37.22 (37.51)

Q 118.40>72.20 (+)

3.29e5

**Ulva Seaweeds Sample_04**

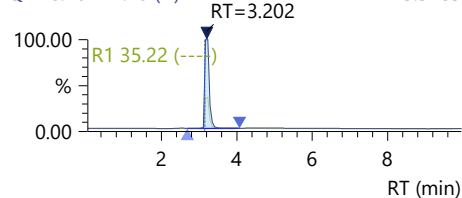
Conc. 207.9669

Area 2993469

R#1 118.40>55.10 35.22 (37.51)

Q 118.40>72.20 (+)

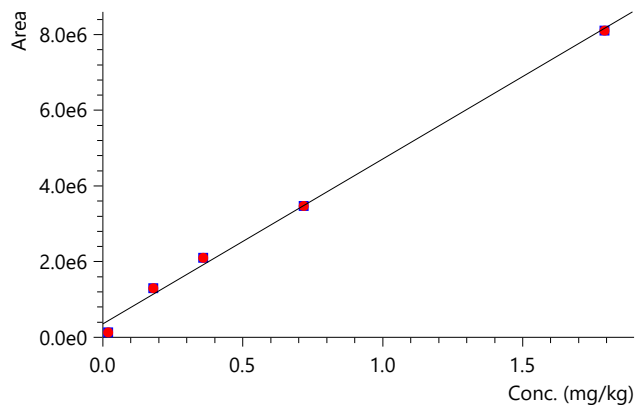
3.54e5

**Compound: Lysine**

Curve Fit: Linear | Weighting: None | Zero: Not Forced

Quantitative Method: External Standard

Q 147.30>84.30

 $R^2 = 0.9958486$ $R = 0.9979221$ $y = 4357194x + 356723.5$ 

Compound: Lysine (continued)

Sample Name	Sample Type	Level	Found RT	Area	R ²	Conc.	Unit	Accuracy(%)	Sample Amt.	Dil. Factor
Amino Acid CC_01	Std.	1	2.064	131586	0.9958486	-0.0517	mg/kg	-288.42	1.00000	1.00000
Amino Acid CC_02	Std.	2	2.064	1305682	0.9958486	0.2178	mg/kg	121.57	1.00000	1.00000
Amino Acid CC_03	Std.	3	2.064	2107777	0.9958486	0.4019	mg/kg	112.16	1.00000	1.00000
Amino Acid CC_04	Std.	4	2.064	3473591	0.9958486	0.7153	mg/kg	99.82	1.00000	1.00000
Amino Acid CC_05	Std.	5	2.064	8112970	0.9958486	1.7801	mg/kg	99.36	1.00000	1.00000
Ulva Seaweeds Sample_01	Unk.	----	2.124	190321	0.9958486	-38.1904	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_02	Unk.	----	2.124	196348	0.9958486	-36.8070	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_03	Unk.	----	2.124	222515	0.9958486	-30.8016	mg/kg	----	0.10000	100.00000
Ulva Seaweeds Sample_04	Unk.	----	2.124	241746	0.9958486	-26.3880	mg/kg	----	0.10000	100.00000

Amino Acid CC_01

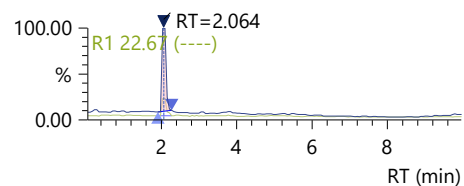
Conc. -0.0517

Area 131586

R#1 147.40>130.20 22.67 (25.61)

Q 147.30>84.30 (+)

1.80e4



Amino Acid CC_02

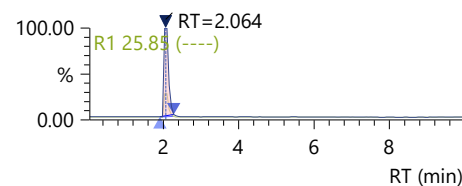
Conc. 0.2178

Area 1305682

R#1 147.40>130.20 25.85 (25.61)

Q 147.30>84.30 (+)

1.51e5



Amino Acid CC_03

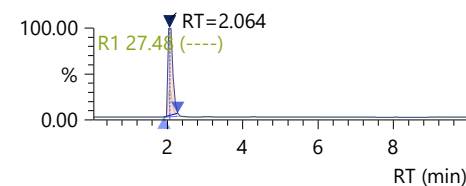
Conc. 0.4019

Area 2107777

R#1 147.40>130.20 27.48 (25.61)

Q 147.30>84.30 (+)

2.36e5



Amino Acid CC_04

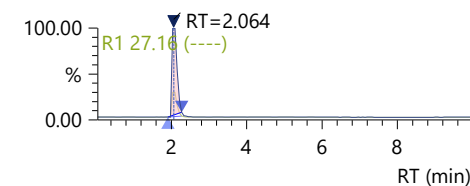
Conc. 0.7153

Area 3473591

R#1 147.40>130.20 27.16 (25.61)

Q 147.30>84.30 (+)

3.74e5



Amino Acid CC_05

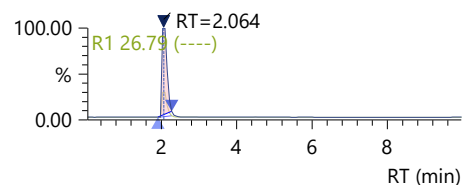
Conc. 1.7801

Area 8112970

R#1 147.40>130.20 26.79 (25.61)

Q 147.30>84.30 (+)

8.77e5



Ulva Seaweeds Sample_01

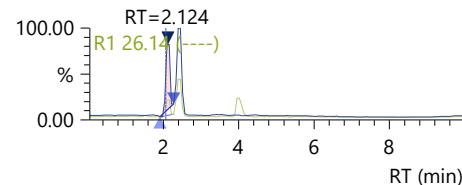
Conc. -38.1904

Area 190321

R#1 147.40>130.20 26.14 (25.61)

Q 147.30>84.30 (+)

3.32e4



Ulva Seaweeds Sample_02

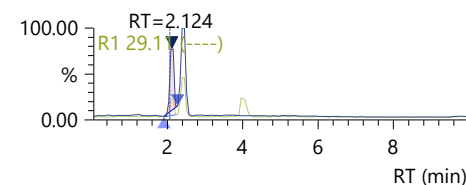
Conc. -36.8070

Area 196348

R#1 147.40>130.20 29.11 (25.61)

Q 147.30>84.30 (+)

3.65e4



Ulva Seaweeds Sample_03

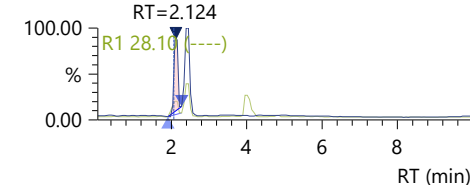
Conc. -30.8016

Area 222515

R#1 147.40>130.20 28.10 (25.61)

Q 147.30>84.30 (+)

3.68e4



Compound: Lysine (continued)

Ulva Seaweeds Sample_04

Conc. -26.3880

Area 241746

R#1 147.40>130.20 23.17 (25.61)

Q 147.30>84.30 (+) 3.93e4

