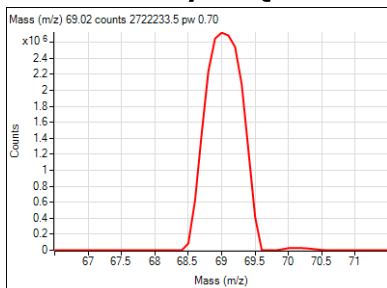


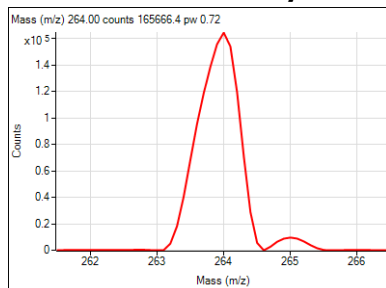
Triple Quadrupole GC/MS Autotune Report

Instrument Name	GCTQ / US1635U004	MS Model	7000D
Tune Date & Time	3/31/2023 7:08:39 PM	Source	EI with Extractor
Tune File	D:\MassHunter\GCMS\1\7000\AminoMTBSTFA-HP5.eiex.tune.xml		

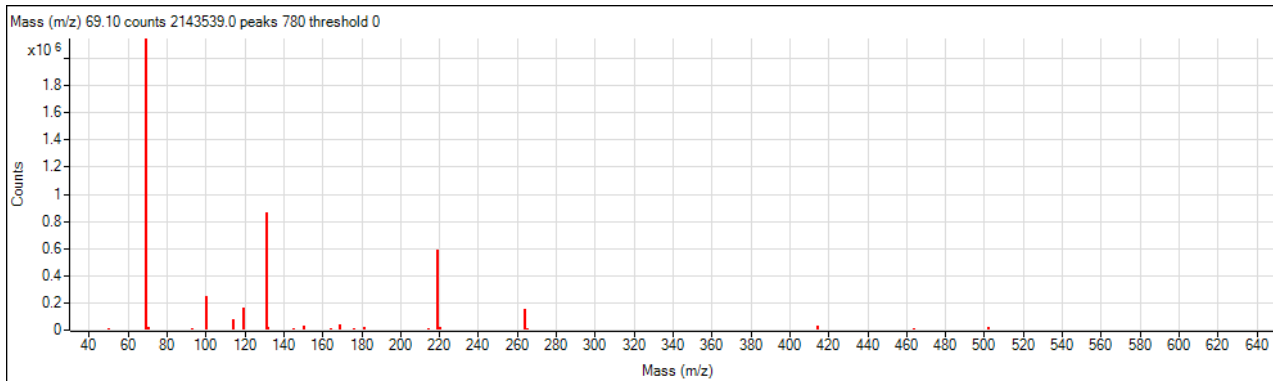
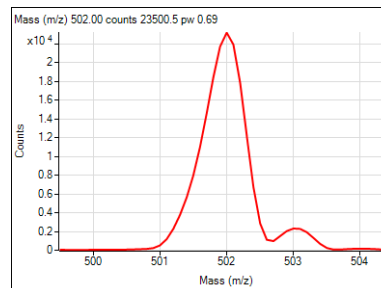
Analyzer: Q1



Ion Polarity: Positive

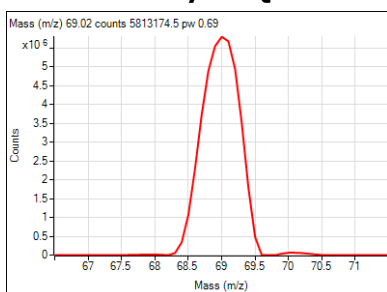


Width: Unit

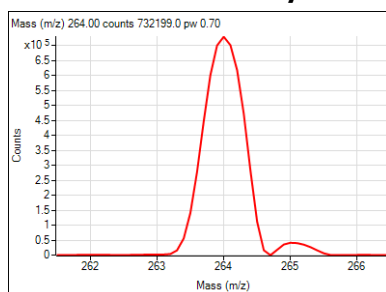


m/z	Abundance	Rel Abund	Isotope	Iso Abund	Iso Ratio
69.10	2143538.5	100.0%	70.10	23462.5	1.1%
219.00	590847.4	27.6%	220.00	24933.3	4.2%
264.00	160528.2	7.5%	265.00	9687.2	6.0%
414.00	28766.1	1.3%	415.00	2432.5	8.5%
502.00	22028.6	1.0%	503.00	2264.2	10.3%

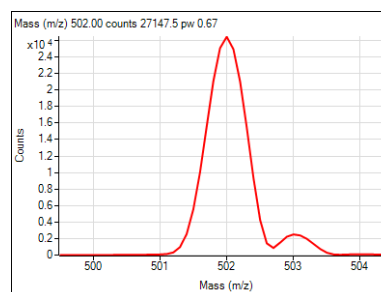
Analyzer: Q2



Ion Polarity: Positive



Width: Unit



Triple Quadrupole GC/MS Autotune Report

Instrument Name	GCTQ / US1635U004	MS Model	7000D
Tune Date & Time	3/31/2023 7:08:39 PM	Source	EI with Extractor
Tune File	D:\MassHunter\GCMS\1\7000\AminoMTBSTFA-HP5.eiex.tune.xml		

Instrument Actuals

Source Temp.	230 °C	Rough Vac	1.29E+2 mTorr
MS1 Quad Temp.	180 °C	High Vac	1.10E-4 Torr
MS2 Quad Temp.	180 °C	Turbo 1 Speed	100.0 %
Filament Current	35.0 µA	Turbo 1 Power	20.4 W

GC Gas Flow

Quench Flow	2.250 mL/min	Column 1	1.399 mL/min
Collision Cell	1.500 mL/min	Column 2	0.000 mL/min

Ion Source

Type/mode	EI+	Repeller	7.3 V
Source Temp.	230 °C	Ion Body	19.8 V
Emission	35.0 µA	Extractor	5.2 V
Energy	70 eV	Ion Focus	-89.0 V
Filament	1	Entrance Lens	Dynamic V

Quadrupoles

		Q1	Q2
DC		9.0 V	-2.0 V
Post/Pre Filter		9.0 V	-12.0 V
Temperature		180 °C	180 °C
Polarity		Negative	Negative
DIP Mass	100.00	1000.00 m/z	100.00 1000.00 m/z
DIP Value	4.3	62.5 %	4.9 73.6 %

Resolution	Unit	Wide	Widest	Unit	Wide	Widest
Mass Gain	5.29	5.05	4.45	0.15	0.16	0.03
Mass Offset	Dynamic	-1.582	-1.042	Dynamic	-1.692	-1.254
Width Gain	21.1	21.1	21.1	25.7	25.7	25.7
Width Offset	Dynamic	-0.156	-0.676	Dynamic	-0.222	-0.742

Collision Cell

Cell Entrance	10.0 V	Detector Type	Triple Axis Series 2
Hex DC	9.0 V	Iris	Dynamic V
Hex RF	100 V	HED	-10.0 kV
Hex Accel	-5.0 V	EMV (Gain=1.0E+005)	1299 V
Cell Exit	3.0 V	Gain Parameter a	11.61364
Collision Energy	0 eV	Gain Parameter b	-71.75158
		Max Gain Factor	16623

Fast Scan

Fast Scan Offset	-4.0 V		
Q1 Mass Gain	36.37	Q2 Mass Gain	6.49
Q1 Mass Offset	1.202	Q2 Mass Offset	-1.489
Q1 Width Gain	21.1	Q2 Width Gain	28.8
Q1 Width Offset	-0.676	Q2 Width Offset	-0.625

Triple Quadrupole GC/MS Autotune Report

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Tune Date & Time	3/31/2023 7:08:39 PM	Source	EI with Extractor
Tune File	D:\MassHunter\GCMS\1\7000\AminoMTBSTFA-HP5.eiex.tune.xml		

Dynamic Ramp Tables

MS1 Mass Axis Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-1.739	-1.868	-1.871	-1.855	-1.849

MS1 Width Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	0.051	0.066	0.059	0.043	0.049

MS2 Mass Axis Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-1.860	-1.803	-1.804	-1.816	-1.850

MS2 Width Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-0.029	-0.019	-0.020	-0.021	-0.027

Iris

m/z	69.00	219.00	264.00	414.00	502.00	1050.00
Setting	-0.500	-13.000	-15.500	-21.000	-21.000	-21.000

Entrance Lens

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-7.400	-8.000	-9.000	-9.000	-9.000

Scan Speed Correction Factor

	Q1	Q2
a0	-0.004971	0.011588
a1	1.150263	0.505271
a2	-0.000551	-0.169763
b0	-0.025282	-0.058533
b1	8.550412	1.125689
b2	-0.151495	1.438945

Diagnostic Information

Air/Water Check: H2O 27.90% (<=20.00%), O2 0.44% (<=2.50%), N2 1.64% (<=10.00%)

Detector Dark Current Check: Baseline 417, Threshold 326, HED On Pulse Count 5, HED Off Pulse Count 5