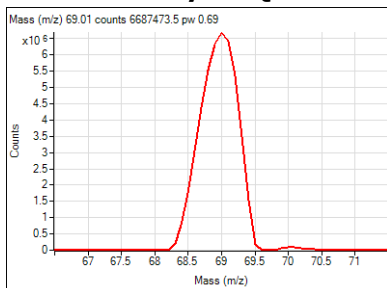


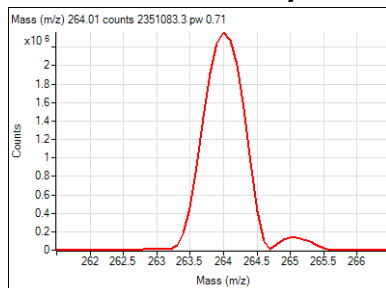
# Triple Quadrupole GC/MS Autotune Report

<b>Instrument Name</b>	GC-MSMS / None	<b>MS Model</b>	7010
<b>Tune Date &amp; Time</b>	3/15/2023 5:47:12 PM	<b>Source</b>	EI High Efficiency Source
<b>Tune File</b>	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

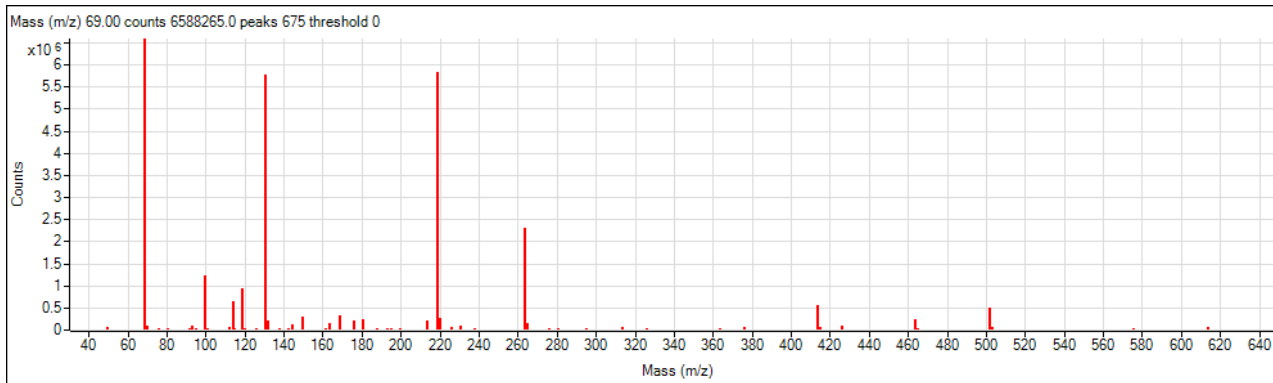
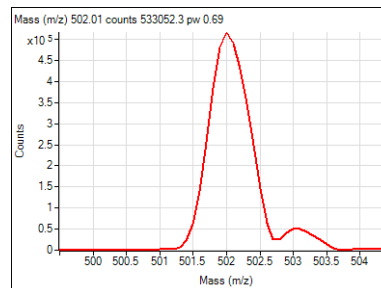
## Analyzer: Q1



## Ion Polarity: Positive

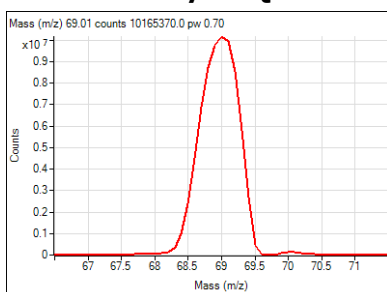


## Width: Unit

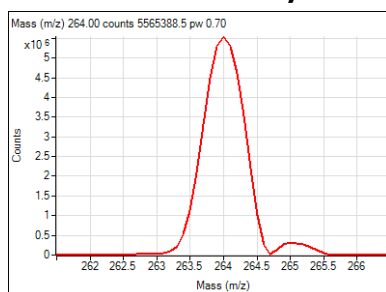


m/z	Abundance	Rel Abund	Isotope	Iso Abund	Iso Ratio
69.00	6588264.5	100.0%	70.00	75502.7	1.1%
219.00	5832365.5	88.5%	220.00	263278.3	4.5%
264.00	2307615.8	35.0%	265.00	132937.9	5.8%
414.00	548793.9	8.3%	415.00	48033.8	8.8%
502.00	494313.3	7.5%	503.00	47640.6	9.6%

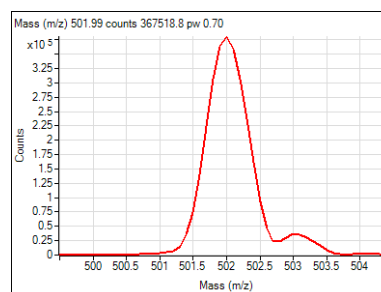
## Analyzer: Q2



## Ion Polarity: Positive



## Width: Unit



# Triple Quadrupole GC/MS Autotune Report

<b>Instrument Name</b>	GC-MSMS / None	<b>MS Model</b>	7010
<b>Tune Date &amp; Time</b>	3/15/2023 5:47:12 PM	<b>Source</b>	EI High Efficiency Source
<b>Tune File</b>	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

## Instrument Actuals

Source Temp.	230 °C	Rough Vac	1.52E+2 mTorr
MS1 Quad Temp.	150 °C	High Vac	1.04E-4 Torr
MS2 Quad Temp.	150 °C	Turbo 1 Speed	100.0 %
Filament Current	99.8 µA	Turbo Power	20.190 W

## Ion Source

Type/mode	EI+	Repeller	15.3 V
Source Temp.	230 °C	Ion Body	8.6 V
Emission	100.0 µA	Extractor	Dynamic V
Energy	70 eV	Post Extractor 1 Offset	-14.6 V
Filament	1	Post Extractor 2	-39.0 V
		Ion Focus	-182.0 V
		Entrance Lens	Dynamic V

## Quadrupoles

Q1				Q2		
DC		5.6 V			-5.4 V	
Post/Pre Filter		5.6 V			-15.4 V	
Temperature		150 °C			150 °C	
Polarity	Positive			Positive		
<b>Resolution</b>	<b>Unit</b>	<b>Wide</b>	<b>Widest</b>	<b>Unit</b>	<b>Wide</b>	<b>Widest</b>
Mass Gain	3.67	3.31	3.45	1.19	1.04	1.10
Mass Offset	Dynamic	-1.646	-1.199	Dynamic	-1.680	-1.279
Width Gain	14.7	14.7	14.7	22.4	22.4	22.4
Width Offset	Dynamic	-0.222	-0.742	Dynamic	-0.207	-0.727

## Collision Cell

Cell Entrance	6.6 V	Detector Type	Triple Axis Series 2
Hex DC	5.6 V	Iris	Dynamic V
Hex RF	400 V	HED	-10.0 kV
Hex Accel	-5.0 V	EMV (Gain=1.0E+004)	941 V
Cell Exit	-0.4 V	Gain Parameter a	11.89275
Collision Energy	0 eV	Gain Parameter b	-72.21352
		Max Gain Factor	97858

# Triple Quadrupole GC/MS Autotune Report

<b>Instrument Name</b>	GC-MSMS / None	<b>MS Model</b>	7010
<b>Tune Date &amp; Time</b>	3/15/2023 5:47:12 PM	<b>Source</b>	EI High Efficiency Source
<b>Tune File</b>	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

## Dynamic Ramp Tables

### MS1 Mass Axis Offset

<b>m/z</b>	69.00	219.00	264.00	414.00	502.00
<b>Setting</b>	-1.852	-1.809	-1.792	-1.818	-1.845

### MS1 Width Offset

<b>m/z</b>	69.00	219.00	264.00	414.00	502.00
<b>Setting</b>	-0.018	-0.016	-0.002	-0.005	-0.024

### MS2 Mass Axis Offset

<b>m/z</b>	69.00	219.00	264.00	414.00	502.00
<b>Setting</b>	-1.856	-1.795	-1.825	-1.841	-1.856

### MS2 Width Offset

<b>m/z</b>	69.00	219.00	264.00	414.00	502.00
<b>Setting</b>	-0.009	0.000	-0.005	0.000	-0.003

### Iris

<b>m/z</b>	69.00	219.00	264.00	414.00	502.00	1050.00
<b>Setting</b>	-2.500	-8.500	-12.000	-18.000	-21.500	-43.300

### Entrance Lens

<b>m/z</b>	69.00	264.00	414.00	502.00
<b>Setting</b>	-19.000	-20.200	-21.000	-22.200

### Extractor

<b>m/z</b>	69.00	264.00	502.00
<b>Setting</b>	17.000	20.200	21.300

## Scan Speed Correction Factor

	<b>Q1</b>	<b>Q2</b>
a0	-0.007391	-0.004007
a1	1.519242	0.316081
a2	-0.072346	0.020310
b0	-0.018211	0.000777
b1	6.510636	1.989992
b2	-0.188688	-0.276456

## Diagnostic Information

Air/Water Check: H2O 1.61% (<=20.00%), O2 0.17% (<=2.50%), N2 0.65% (<=10.00%)

Detector Dark Current Check: Baseline 422, Threshold 369, HED On Pulse Count 0, HED Off Pulse Count 0