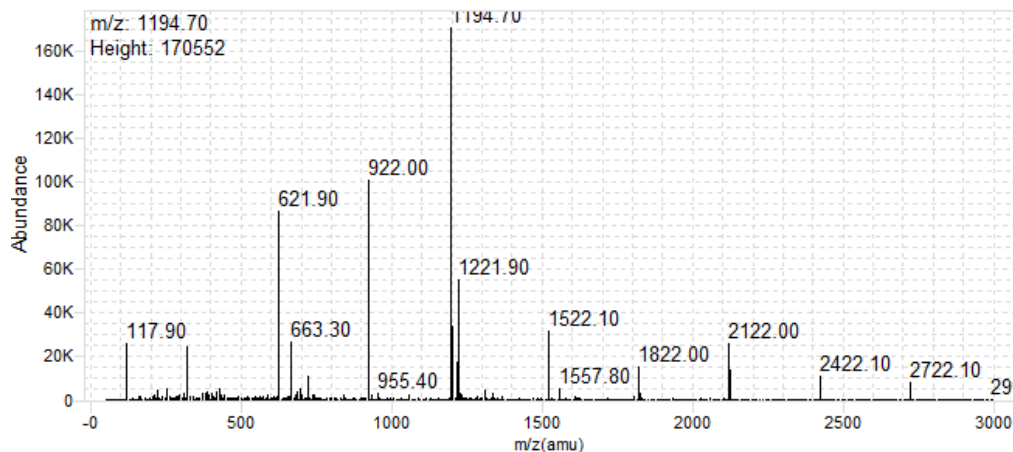
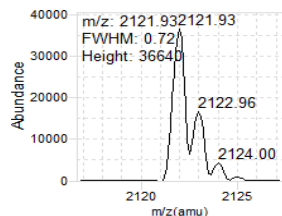
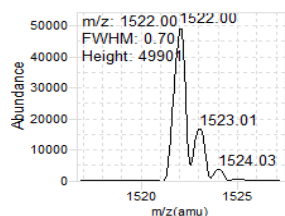
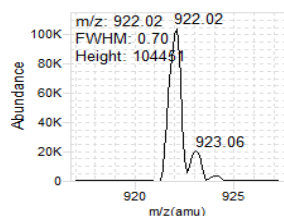
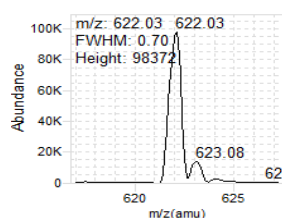
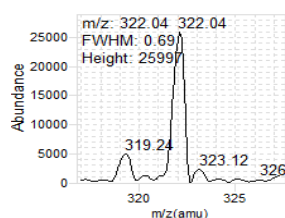
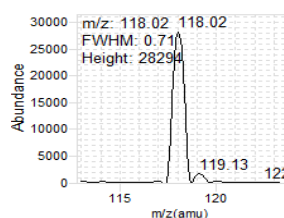

Instrument Name	AG02
MS Model	G6460C
MS Instrument Serial	SG15527302
Software_Firmware Version	B.08.03.B8306.0, FW: A.00.08.64
Tune Date & Time	27 September 2018 13:42:17
Data Path	D:\MassHunter\Tune\QQQ\G6460C\atunes.TUNE.XML
Ion Source	AJS ESI
Ionization Mode	AJS ESI
Tuned Resolution	All
Vacuum Pressure	1.19E+0[R]; 2.04E-5[H]

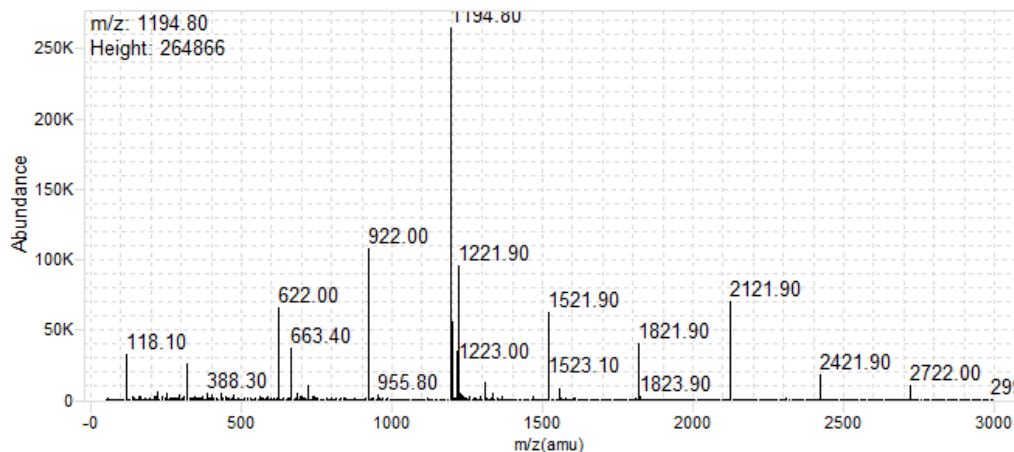
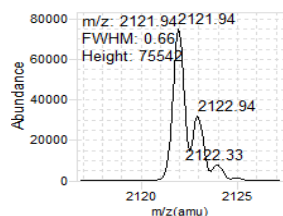
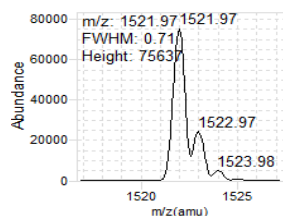
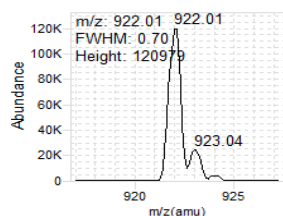
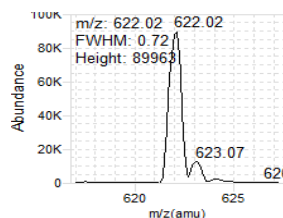
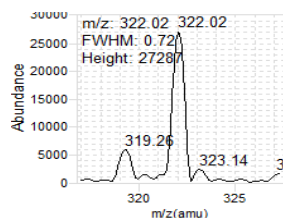
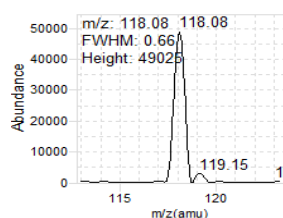
Source Parameters

Parameter	Value
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Gas Flow	10
Nebulizer	15
Capillary	3000
Nozzle Voltage	1500
Sheath Gas Temp	250
Sheath Gas Flow	7

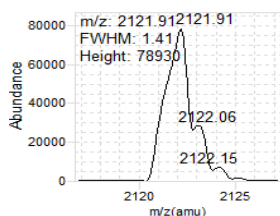
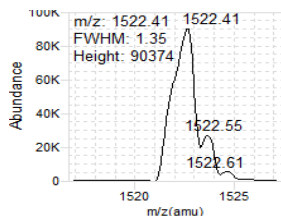
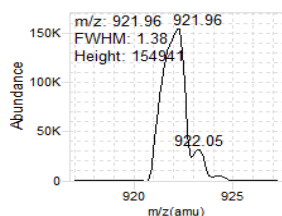
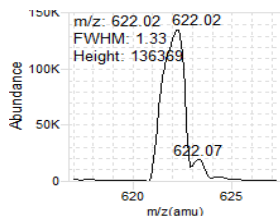
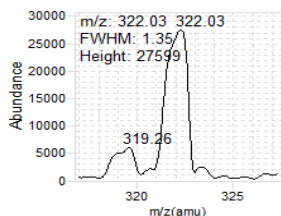
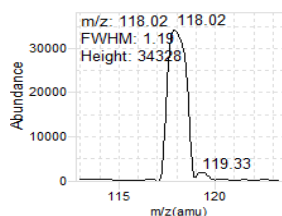
Positive Results

Analyzer: MS1
Polarity: Positive
Width: Unit


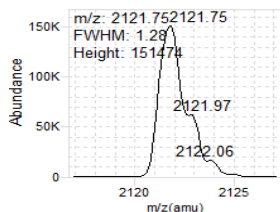
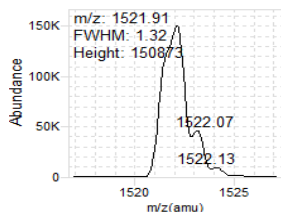
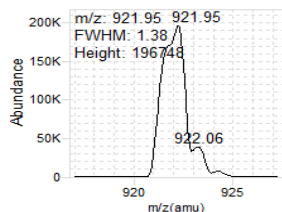
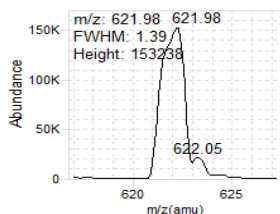
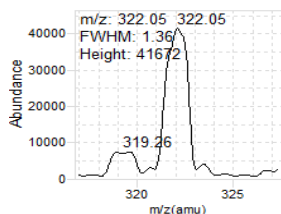
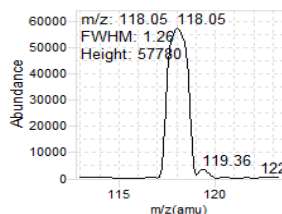
m/z	m/z Expected	FWHM	FWHM Expected	Abundance
118.02	118.09	0.71	0.70	28294
322.04	322.05	0.69	0.70	25997
622.02	622.03	0.70	0.70	98372
922.02	922.01	0.70	0.70	104451
1521.99	1521.97	0.70	0.70	49901
2121.94	2121.93	0.72	0.70	36640

Analyzer: MS2
Polarity: Positive
Width: Unit


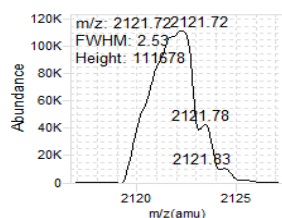
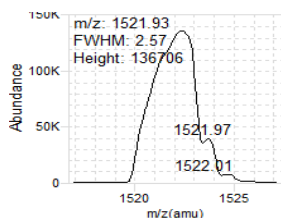
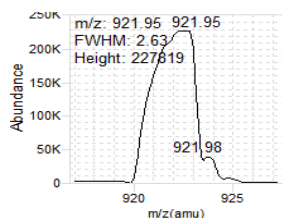
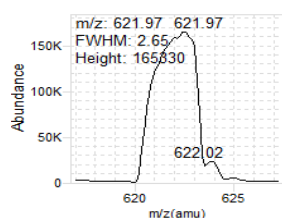
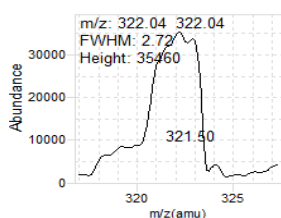
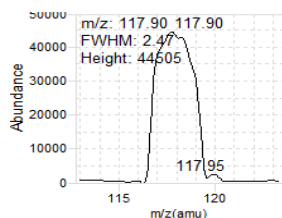
m/z	m/z Expected	FWHM	FWHM Expected	Abundance
118.08	118.09	0.66	0.70	49025
322.02	322.05	0.72	0.70	27287
622.02	622.03	0.72	0.70	89963
922.01	922.01	0.70	0.70	120979
1521.97	1521.97	0.71	0.70	75637
2121.95	2121.93	0.66	0.70	75542

Analyzer: MS1
Polarity: Positive
Width: Wide


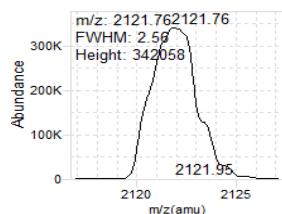
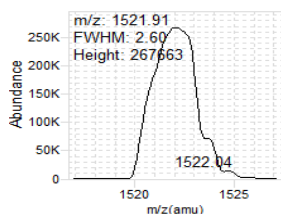
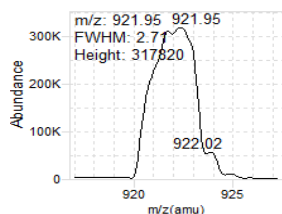
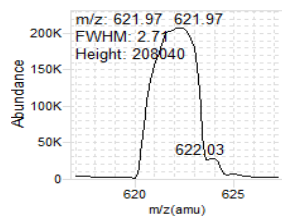
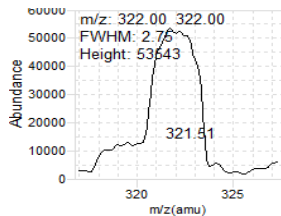
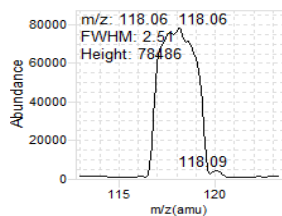
m/z	m/z Expected	FWHM	FWHM Expected	Abundance
118.02	118.09	1.19	1.20	34328
322.03	322.05	1.35	1.20	27599
622.01	622.03	1.33	1.20	136369
921.96	922.01	1.38	1.20	154941
1522.41	1521.97	1.35	1.20	90374
2121.91	2121.93	1.41	1.20	78930

Analyzer: MS2
Polarity: Positive
Width: Wide


m/z	m/z Expected	FWHM	FWHM Expected	Abundance
118.05	118.09	1.26	1.20	57780
322.05	322.05	1.36	1.20	41672
621.98	622.03	1.39	1.20	153238
921.95	922.01	1.38	1.20	196748
1521.91	1521.97	1.32	1.20	150873
2121.76	2121.93	1.28	1.20	151474

Analyzer: MS1
Polarity: Positive
Width: Widest


m/z	m/z Expected	FWHM	FWHM Expected	Abundance
117.90	118.09	2.47	2.50	44505
322.04	322.05	2.72	2.50	35460
621.97	622.03	2.65	2.50	165330
921.95	922.01	2.63	2.50	227819
1521.92	1521.97	2.57	2.50	136706
2121.73	2121.93	2.53	2.50	111678

Analyzer: MS2
Polarity: Positive
Width: Widest


m/z	m/z Expected	FWHM	FWHM Expected	Abundance
118.06	118.09	2.51	2.50	78486
322.00	322.05	2.75	2.50	53543
621.97	622.03	2.71	2.50	208040
921.95	922.01	2.71	2.50	317820
1521.91	1521.97	2.60	2.50	267663
2121.76	2121.93	2.56	2.50	342058

Positive Results

Tune Parameters

Parameters	Setting
Fragmentor	135
Skimmer	15
Octopole DC	5
Octopole RF	600
Lens 1	4.00
Lens2 DC	-7.20
Lens2 RF Enable	1
Lens2 RF	217
Lens2 RF Phase	18
MS1 DC	3.00
MS1 PostFilter	2.00
MS1 Axis Offset	0.84
MS1 Axis Gain	-4.85
MS1 Width Offset	0.05
MS1 Width Gain	-4
MS1 Heater	100
MS2 DC	-10
MS2 PreFilter	-40
MS2 Axis Offset	0.74
MS2 Axis Gain	15.35
MS2 Width Offset	0.19
MS2 Width Gain	-28
MS2 Heater	100
Cell Entry	1
Hexapole DC	0.00
Hexapole RF	400
Hexapole Accel	5
Cell Exit	-8
Collision Gas	1
Iris	-100
HED	-10
EMV	2180
Collision Energy	0
Lens2 DC RF Off	-8.00

Dynamic Ramp Tables

Lens 1

m/z	Setting
200	3.5
201	4

Lens2 DC

m/z	Setting
200	-8
201	-0.16
622.03	-1.8
922.01	-3.1
1521.97	-5.8
2121.93	-8.5

Lens2 RF

m/z	Setting
200	0
201	76.1
622.03	107
922.01	129
1521.97	173
2121.93	217

MS1 Axis Offset

m/z	Setting
118.09	0.844
322.05	0.899
622.03	0.944
922.01	0.931
1521.97	0.887
2121.93	0.844

MS1 Width Offset

m/z	Setting
118.09	0.05
322.05	-0.06
622.03	-0.03
922.01	-0.02
1521.97	0
2121.93	0.05

MS2 Axis Offset

m/z	Setting
118.09	0.74
322.05	0.884
622.03	0.94
922.01	0.928
1521.97	0.833
2121.93	0.74

MS2 Width Offset

m/z	Setting
118.09	0.19
322.05	0.09
622.03	0.04
922.01	0.05
1521.97	0.12
2121.93	0.19

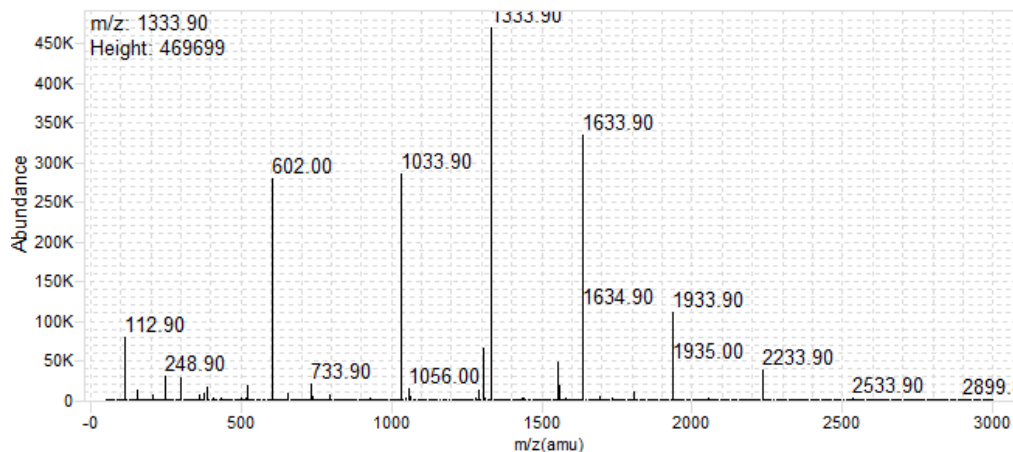
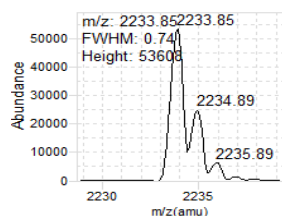
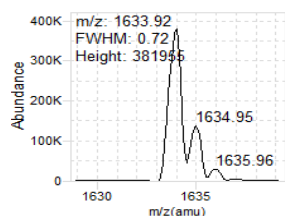
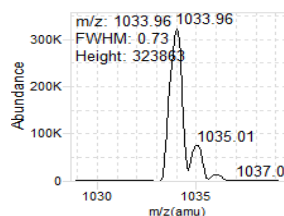
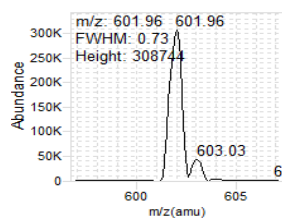
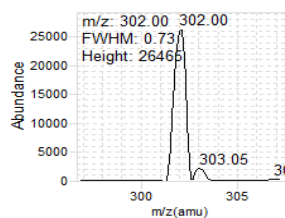
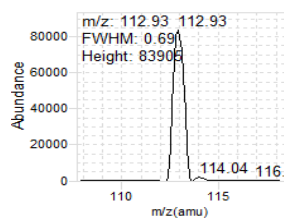
MS1 Calibrations

Resolution	Mass Gain	Mass Offset	Width Gain	Width Offset
Unit	-4.85	0.844	-4.4	0.05
Wide	-5	0.998	-3.9	0.42
Widest	-5.45	1.376	-3.7	1.42

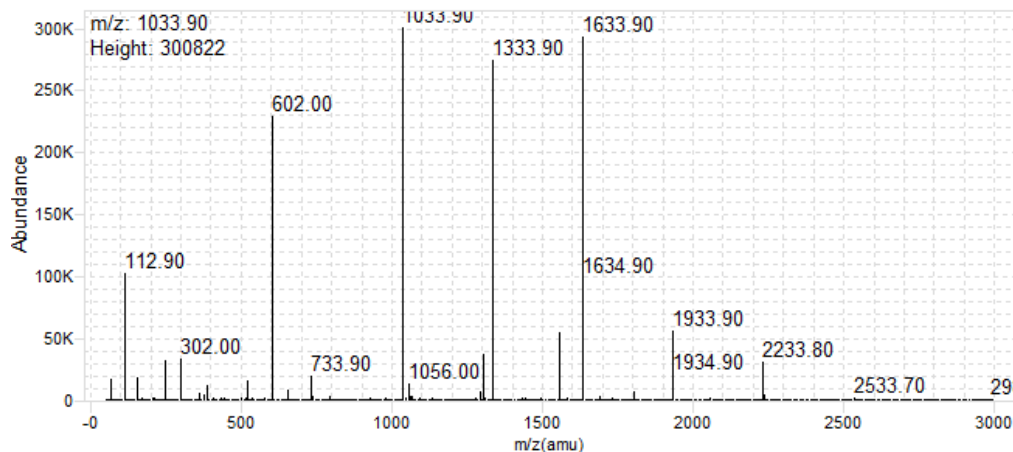
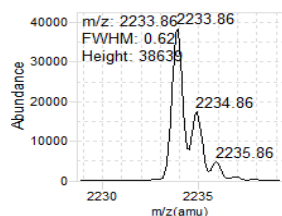
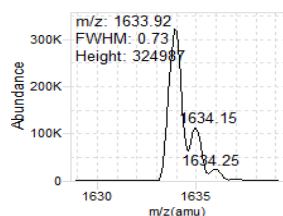
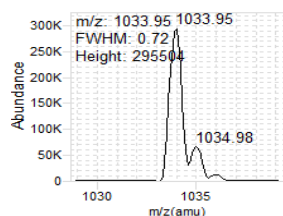
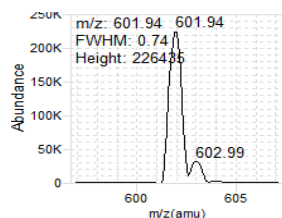
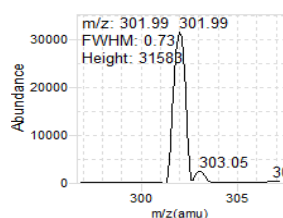
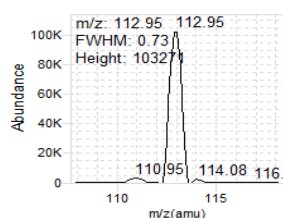
MS2 Calibrations

Resolution	Mass Gain	Mass Offset	Width Gain	Width Offset
Unit	15.35	0.74	-27.5	0.19
Wide	14.9	0.918	-27.5	0.64
Widest	14.75	1.366	-27.1	1.63

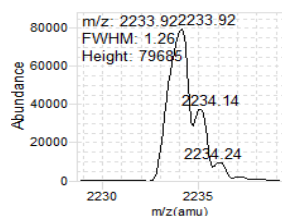
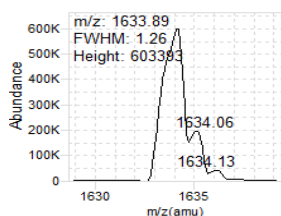
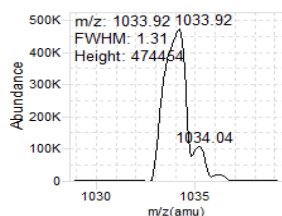
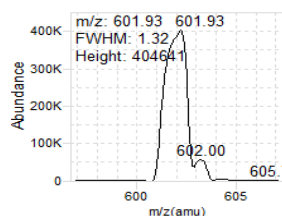
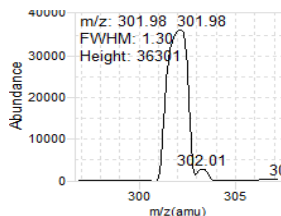
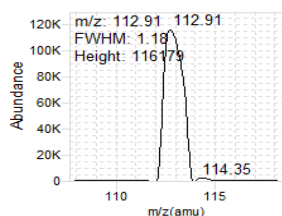
Negative Results

Analyzer: MS1
Polarity: Negative
Width: Unit


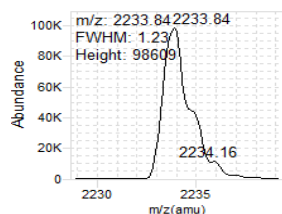
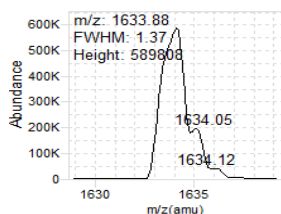
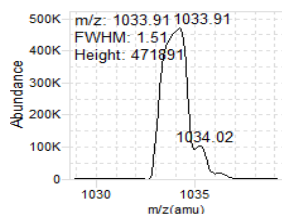
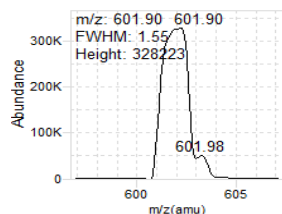
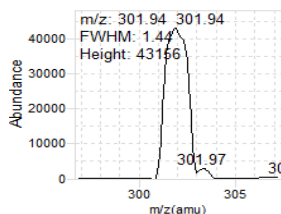
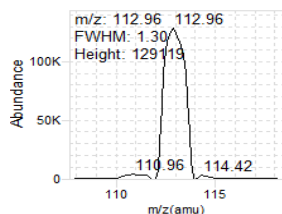
m/z	m/z Expected	FWHM	FWHM Expected	Abundance
112.93	112.99	0.69	0.70	83905
302.00	302.00	0.73	0.70	26465
601.96	601.98	0.73	0.70	308744
1033.96	1033.99	0.73	0.70	323863
1633.92	1633.95	0.72	0.70	381955
2233.85	2233.91	0.75	0.70	53608

Analyzer: MS2
Polarity: Negative
Width: Unit


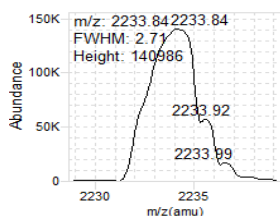
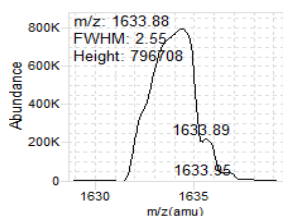
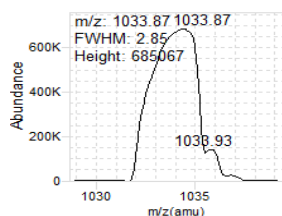
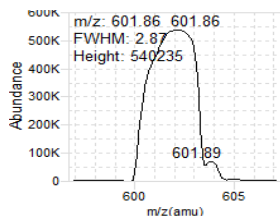
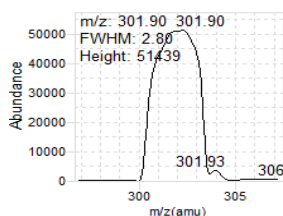
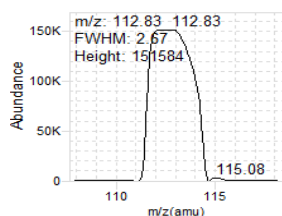
m/z	m/z Expected	FWHM	FWHM Expected	Abundance
112.95	112.99	0.73	0.70	103271
301.99	302.00	0.73	0.70	31583
601.94	601.98	0.74	0.70	226435
1033.95	1033.99	0.72	0.70	295504
1633.92	1633.95	0.73	0.70	324987
2233.87	2233.91	0.62	0.70	38639

Analyzer: MS1
Polarity: Negative
Width: Wide


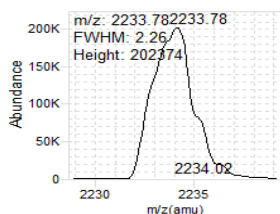
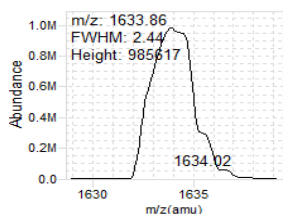
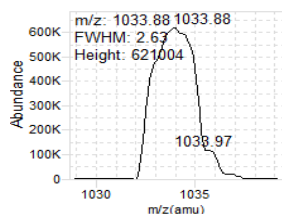
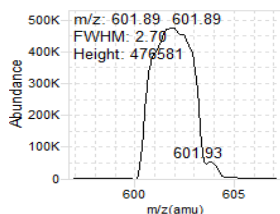
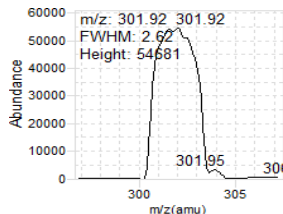
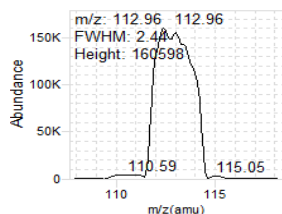
m/z	m/z Expected	FWHM	FWHM Expected	Abundance
112.91	112.99	1.18	1.20	116179
301.98	302.00	1.30	1.20	36301
601.93	601.98	1.32	1.20	404641
1033.92	1033.99	1.31	1.20	474454
1633.89	1633.95	1.26	1.20	603393
2233.92	2233.91	1.26	1.20	79685

Analyzer: MS2
Polarity: Negative
Width: Wide


m/z	m/z Expected	FWHM	FWHM Expected	Abundance
112.96	112.99	1.30	1.20	129119
301.94	302.00	1.44	1.20	43156
601.90	601.98	1.55	1.20	328223
1033.91	1033.99	1.51	1.20	471891
1633.88	1633.95	1.37	1.20	589808
2233.85	2233.91	1.23	1.20	98609

Analyzer: MS1
Polarity: Negative
Width: Widest


m/z	m/z Expected	FWHM	FWHM Expected	Abundance
112.83	112.99	2.67	2.50	151584
301.90	302.00	2.80	2.50	51439
601.85	601.98	2.87	2.50	540235
1033.87	1033.99	2.85	2.50	685067
1633.88	1633.95	2.55	2.50	796708
2233.85	2233.91	2.71	2.50	140986

Analyzer: MS2
Polarity: Negative
Width: Widest


m/z	m/z Expected	FWHM	FWHM Expected	Abundance
112.96	112.99	2.44	2.50	160598
301.92	302.00	2.62	2.50	54681
601.88	601.98	2.70	2.50	476581
1033.88	1033.99	2.63	2.50	621004
1633.86	1633.95	2.44	2.50	985617
2233.79	2233.91	2.26	2.50	202374

Negative Results

Tune Parameters

Parameters	Setting
Fragmentor	115
Skimmer	15
Octopole DC	5
Octopole RF	600
Lens 1	-4.10
Lens2 DC	7.60
Lens2 RF Enable	1
Lens2 RF	288
Lens2 RF Phase	72
MS1 DC	-3.00
MS1 PostFilter	-2.00
MS1 Axis Offset	0.88
MS1 Axis Gain	-5.05
MS1 Width Offset	0.07
MS1 Width Gain	-4
MS1 Heater	100
MS2 DC	10
MS2 PreFilter	30
MS2 Axis Offset	0.74
MS2 Axis Gain	15.35
MS2 Width Offset	0.22
MS2 Width Gain	-28
MS2 Heater	100
Cell Entry	1
Hexapole DC	0.00
Hexapole RF	400
Hexapole Accel	5
Cell Exit	8.00
Collision Gas	1
Iris	400
HED	10
EMV	2130
Collision Energy	0
Lens2 DC RF Off	24

Dynamic Ramp Tables

Lens 1

m/z	Setting
200	-4
201	-4.1

Lens2 DC

m/z	Setting
200	23.5
201	0.53
601.98	2.1
1033.99	3.8
1633.95	6.1
2233.91	8.4

Lens2 RF

m/z	Setting
200	0
201	71.31
601.98	114
1033.99	160
1633.95	224
2233.91	288

MS1 Axis Offset

m/z	Setting
112.99	0.884
302	0.966
601.98	0.963
1033.99	0.975
1633.95	0.941
2233.91	0.884

MS1 Width Offset

m/z	Setting
112.99	0.07
302	0.04
601.98	0.01
1033.99	0.01
1633.95	0.03
2233.91	0.07

MS2 Axis Offset

m/z	Setting
112.99	0.74
302	0.888
601.98	0.942
1033.99	0.943
1633.95	0.879
2233.91	0.74

MS2 Width Offset

m/z	Setting
112.99	0.22
302	0.11
601.98	0.06
1033.99	0.09
1633.95	0.22
2233.91	0.22

MS1 Calibrations

Resolution	Mass Gain	Mass Offset	Width Gain	Width Offset
Unit	-5.05	0.884	-4.3	0.07
Wide	-5.15	1.072	-4.3	0.5
Widest	-5.5	1.578	-3.9	1.67

MS2 Calibrations

Resolution	Mass Gain	Mass Offset	Width Gain	Width Offset
Unit	15.35	0.74	-27.7	0.22
Wide	15.1	0.96	-27.6	0.68
Widest	14.7	1.416	-27.5	1.59