Brazoria County Crime Lab

Seized Drugs Section

GC-MS Maintenance Log

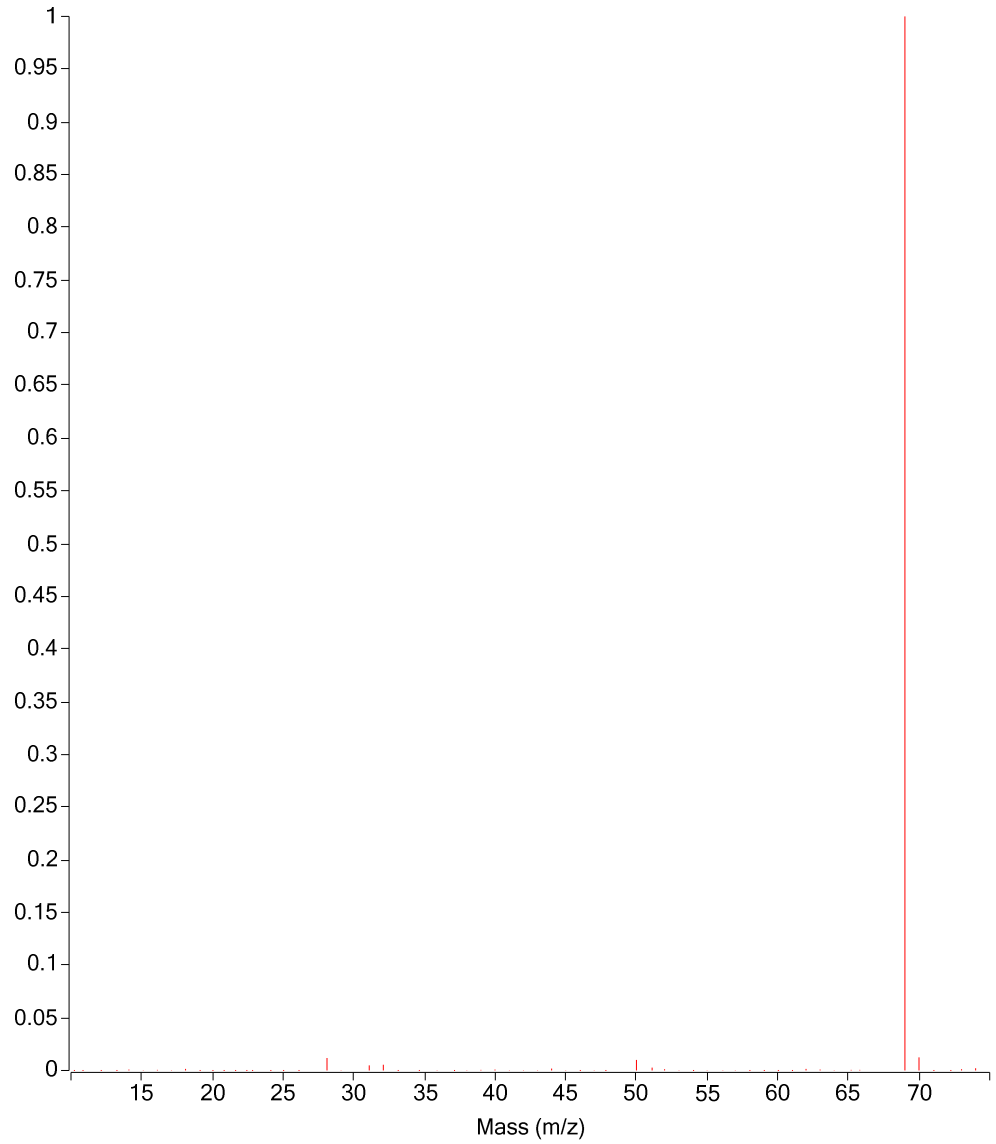
Instrument: GCMS-4 **Month/Year:** May 2025

Entry Number	Date	He Tank Pressure	Autotune	Septum Change	Wash Vials Filled	Liner Change	Gold Seal Replaced	Column Cut	Computer Restarted	Maintenance/ PM	Analyst/ Technician	Comments	Initials
1	5/5/2025	1100	Pass	N/A	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst		KB
2	5/12/205	2600	Pass	N/A	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst		KB
3	5/19/2025	1700	Pass	N/A	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst		KB
4	5/27/2025	650	Pass	✓	✓	✓	N/A	N/A	N/A	Maintenance	Analyst		KB
5	5/30/2025	200	Pass	N/A	N/A	N/A	✓	N/A	N/A	PM	Technician	annual PM, new column installed	KB

Signature: Derek Sanders **Date:** 06/02/2025

597x Air and Water Check

Instrument: GCMS #4
Mon May 05 06:44:51 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: HES_Atune.u

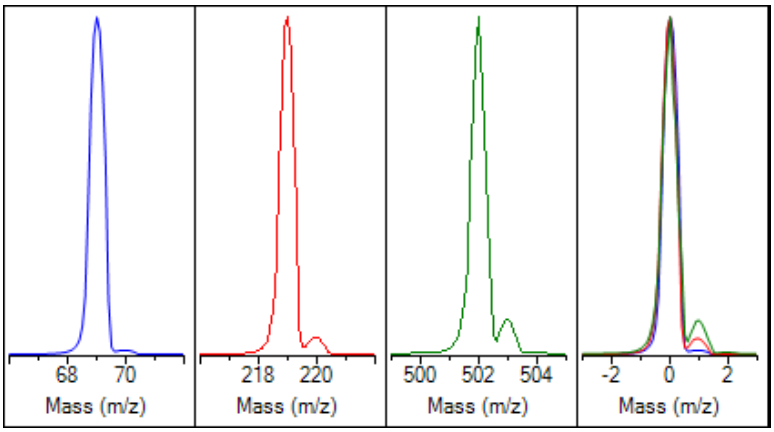
Relative abundances:

18/69 =	0.15	Water%	(counts=1295)
28/69 =	1.19	Nitrogen%	(counts=10133)
32/69 =	0.55	Oxygen%	(counts=4730)
44/69 =	0.19	Carbon Dioxide%	(counts=1586)
28/18 =	782.47	Nitrogen/Water%	

High Efficiency Source Autotune - 5977

Tune timestamp: 5/5/2025 7:00 AM (UTC-05:00) GCMS #4

D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002



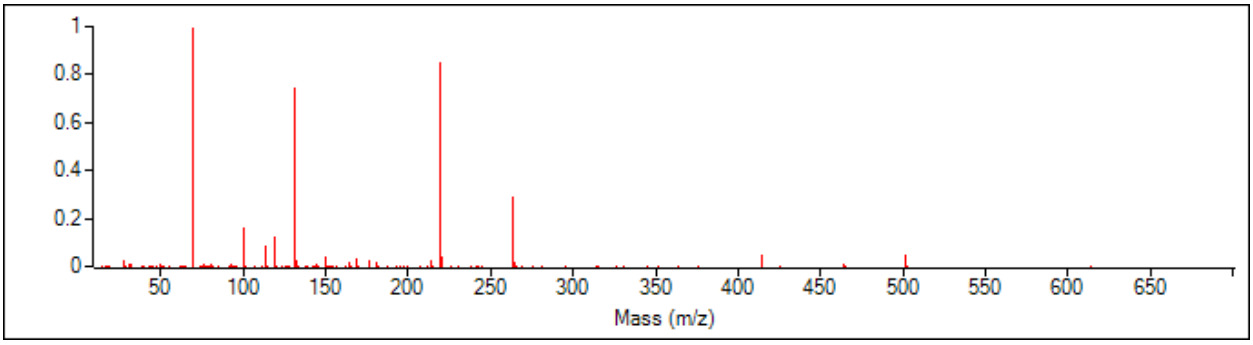
Ion Polarity	Pos	PFTBA	Open
Emission	100.0	Mass Gain	92
Electron Energy	70.0	Mass Offset	-28
Filament	1	Amu Gain	2454
Repeller	14.61	Amu Offset	137.19
Ion Focus	149.6	Width219	0.001
Entrance Lens	10.1	DC Polarity	Pos
Ent Lens Offset	14.94	HED Enable	On
Ion Body	5.00	EM Volts	2197.9
Post Extractor 1	13	Extractor Lens	13.90
Post Extractor 2	31	Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	459,696	100.0%	0.60
219.00	397,651	86.5%	0.59
502.00	25,350	5.5%	0.57

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	7.92e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	118	69.00	436,160	1,663,244



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	436,160	100.0%	70.00	5,309	1.2%
219.00	219.00	371,520	85.2%	220.00	17,400	4.7%
502.00	502.00	22,800	5.2%	503.00	2,177	9.5%

Air/Water Check: H20 ~0.2% N2 ~2.6% O2 ~0.9% CO2 ~0.1% N2/H20 ~1642.1%

Column(1) Flow: 0.70 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 128 volts using ion 502; Electron Multiplier Gain 11173.206

Repeller maximum 35 volts using ion 219; Gain Factor 0.1117

Mass Gain Values(Scan Speed): 94(3) 94(2) 108(1) 121(0) 173(FS1) 172(FS2) 139(FS3)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	137.2	137.2	137.2	137.2	137.2	137.2	137.2
Entrance Lens Offset	14.9	14.9	14.9	14.9	14.9	14.9	14.9

Instrument Name : GCMS #4
DC Polarity : Positive
Filament 1
Current Vacuum status :High Vacuum: 5.46E-06 Torr Turbo:100%

BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	219.00	OK
Position of mass 502	502.00	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	220.00	OK
Position of isotope mass 503	503.00	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.22	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.72	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.25	OK
Ratio of 219 to 69 should be > 40% and is	88.29	OK
Ratio of 502 to 69 should be > 2.4% and is	5.78	OK
Mass 69 Precursor (<= 3%)	0.82	OK
Mass 219 Precursor (<= 6%)	2.21	OK
Mass 502 Precursor (<= 12%)	3.09	OK

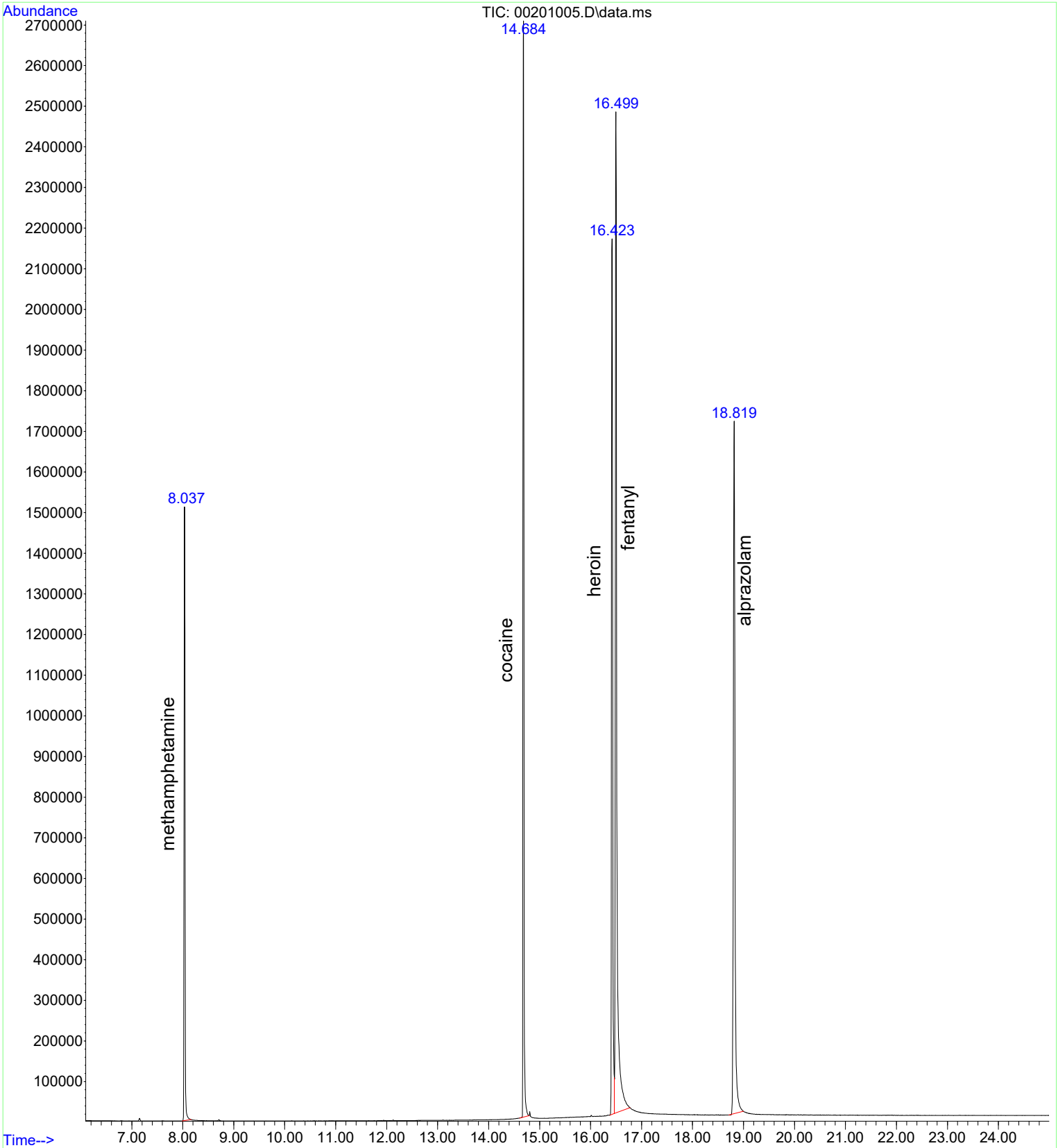
597x Air and Water Check
Mon May 05 07:31:27 2025 Instrument: GCMS #4
D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002

Testing for a leak in the system

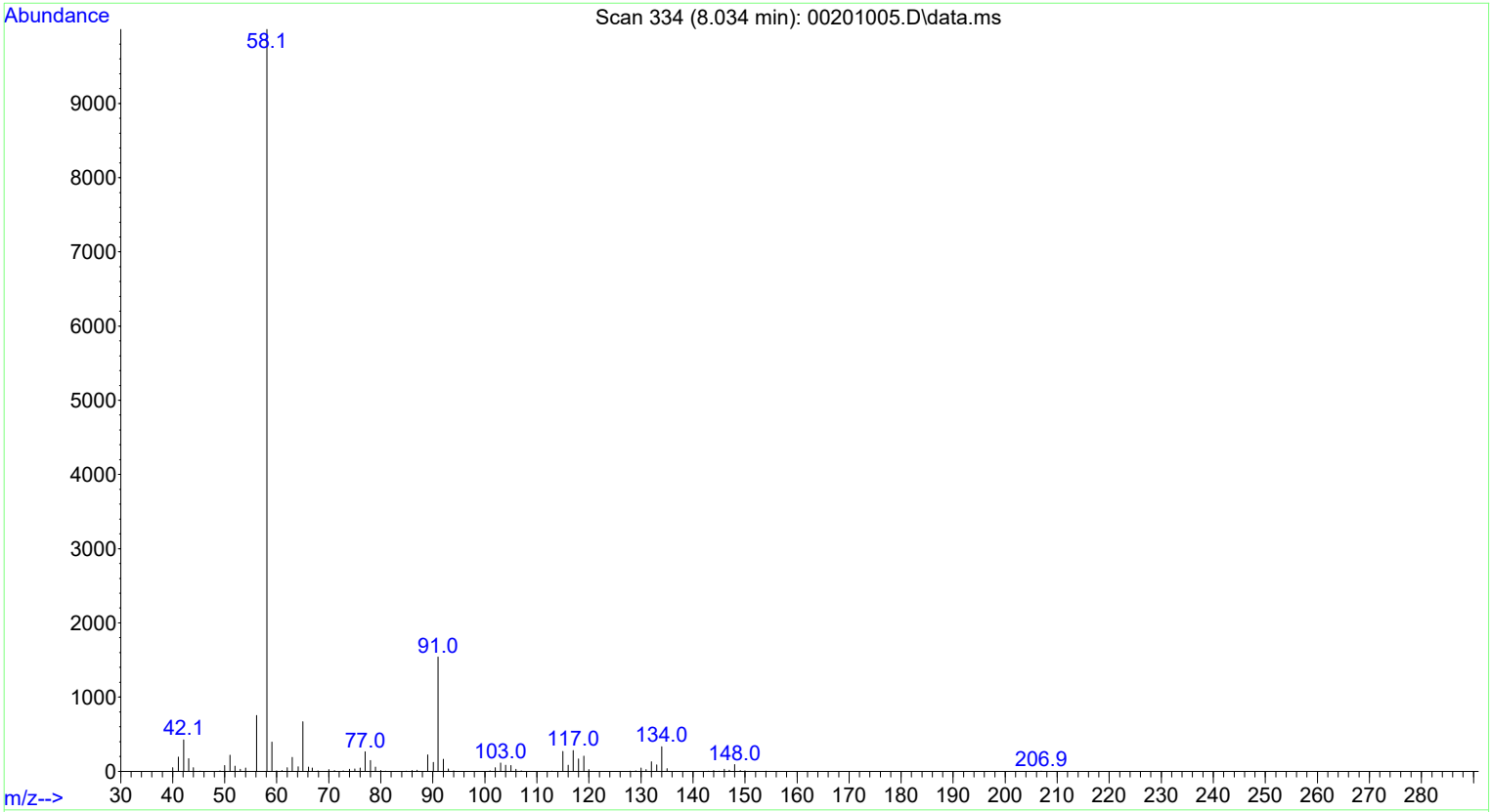
Ratio of 18 to 69 (<20%)	0.16	OK
Ratio of 28 to 69 (<10%)	2.69	OK
Electron Multiplier Voltage	2198	OK

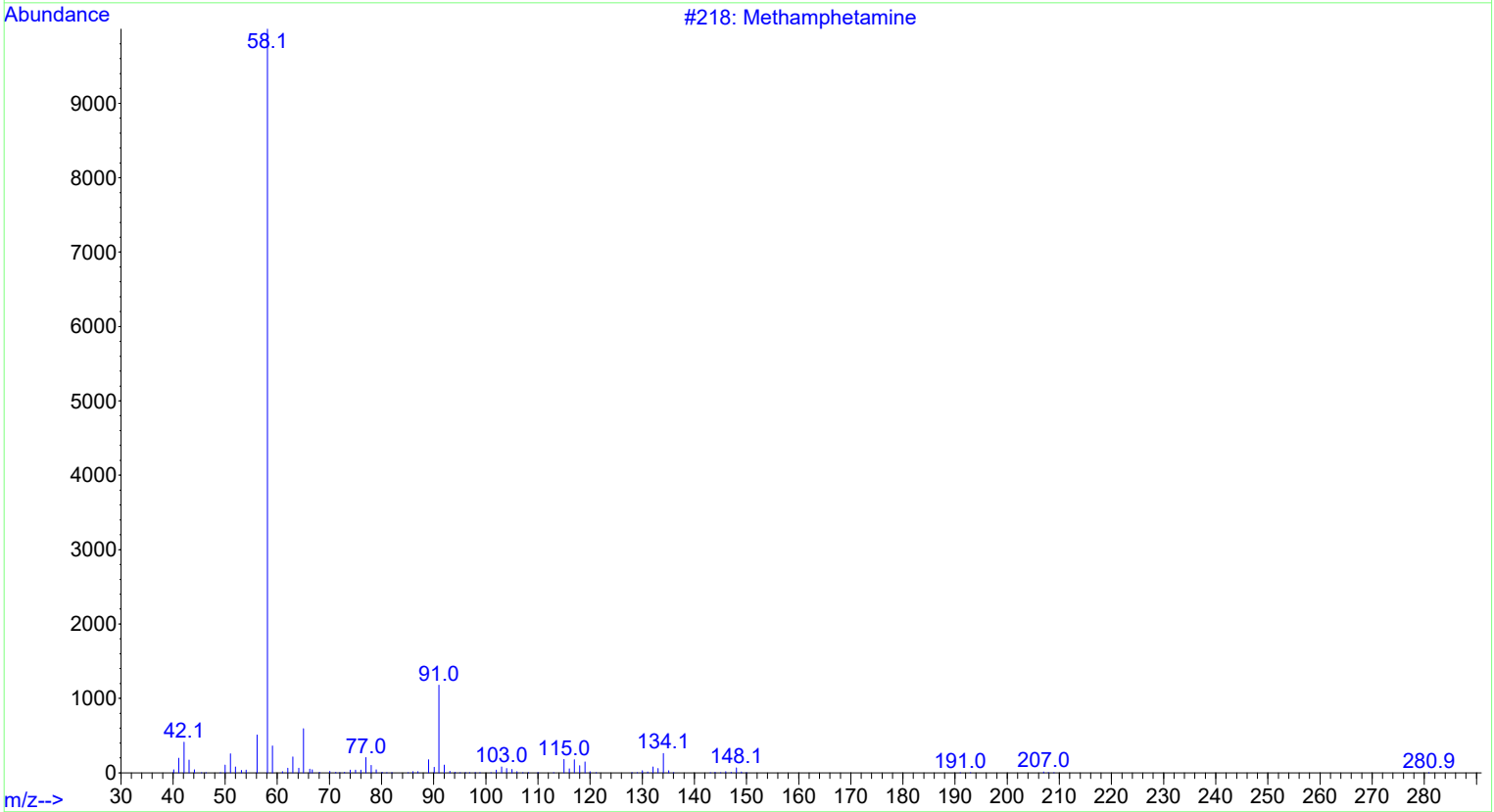
Tune portion of System Verification passed.

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\050525\00201005.D
Acquired : 05 May 2025 09:03 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2

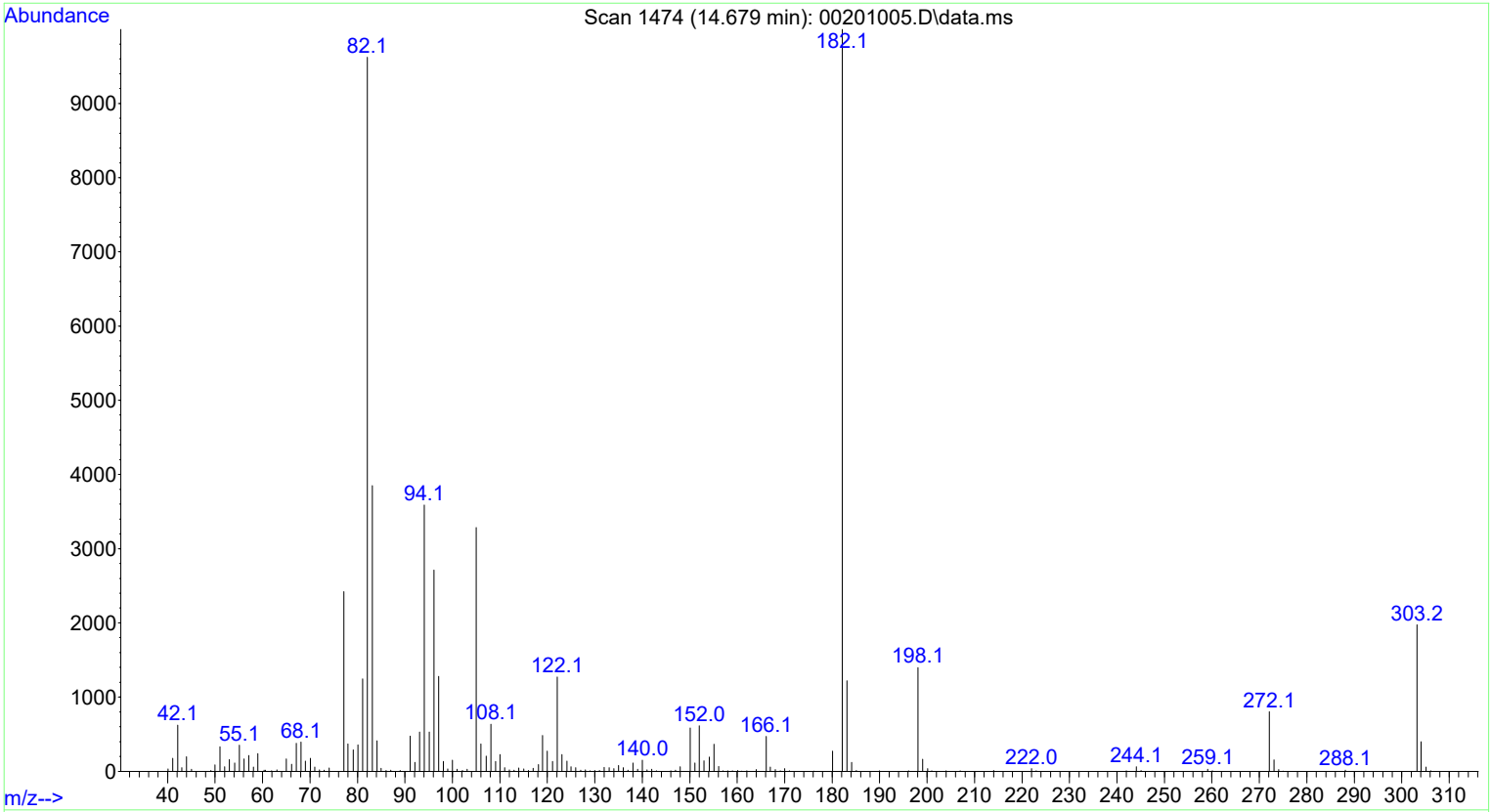


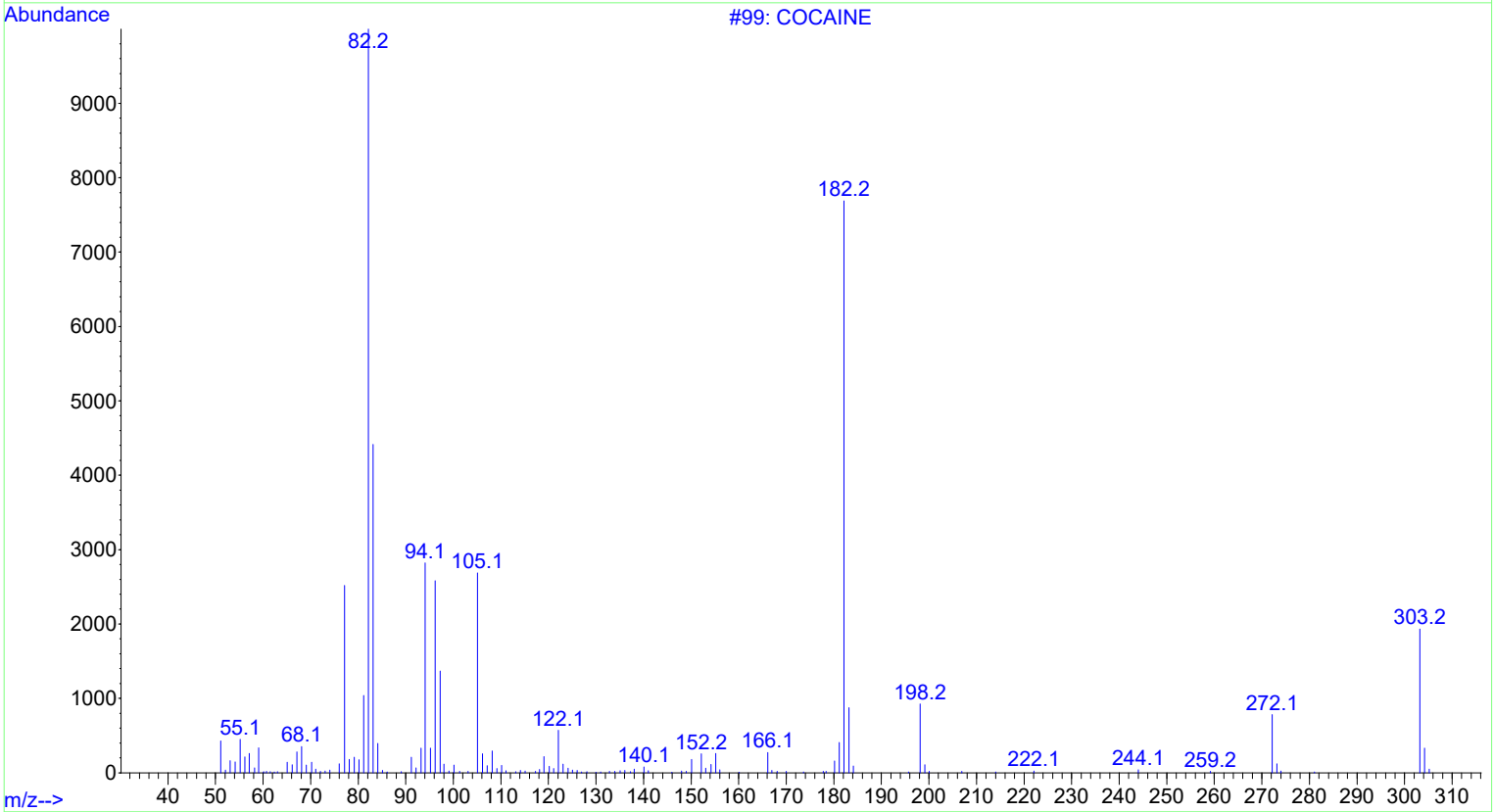
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Acquired   : 05 May 2025  09:03     using AcqMethod DrugTest35MS.M
Instrument :   GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060)                  000002669
Misc Info  : in ACN                                         000002669
Vial Number: 2
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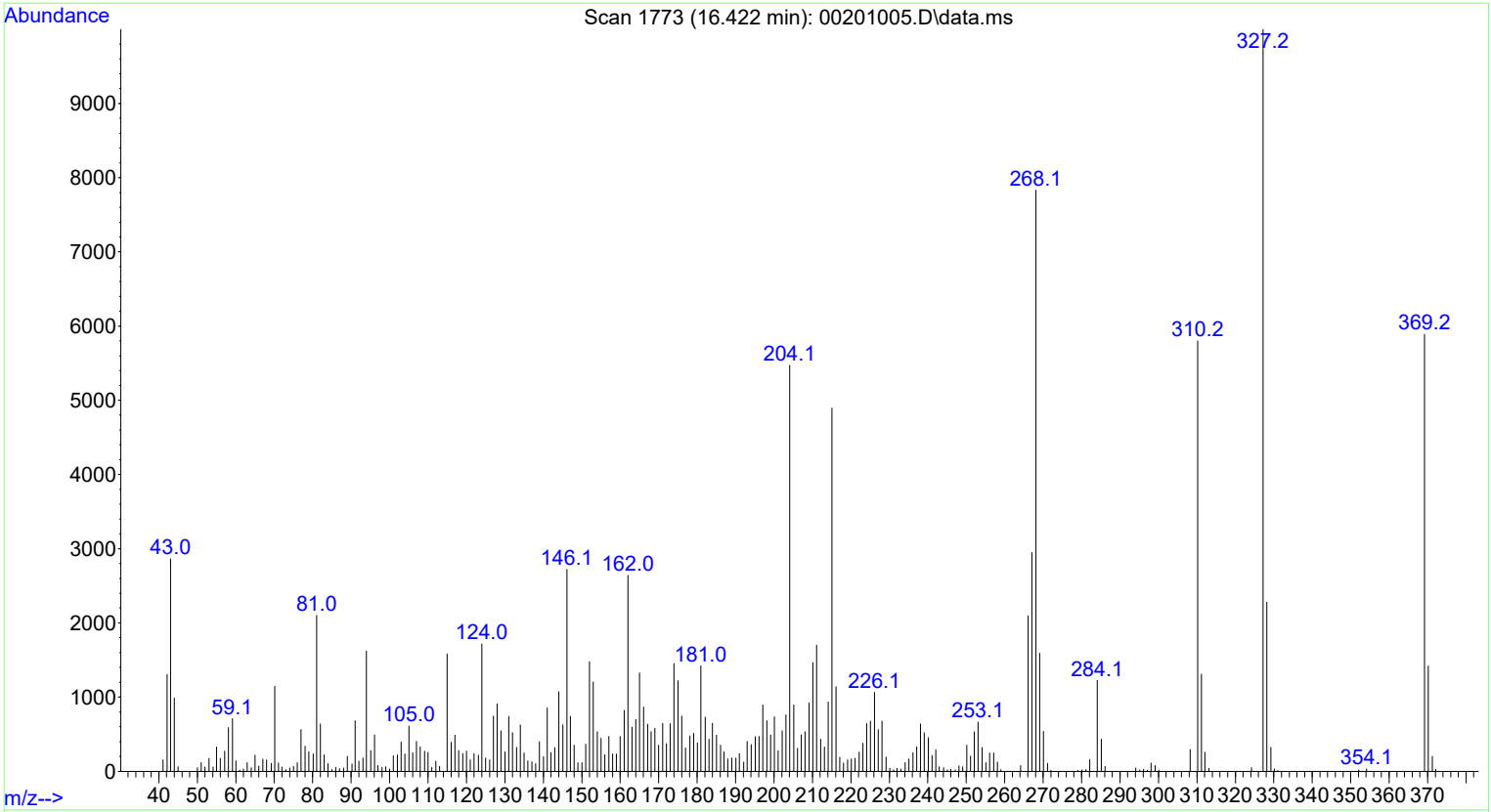


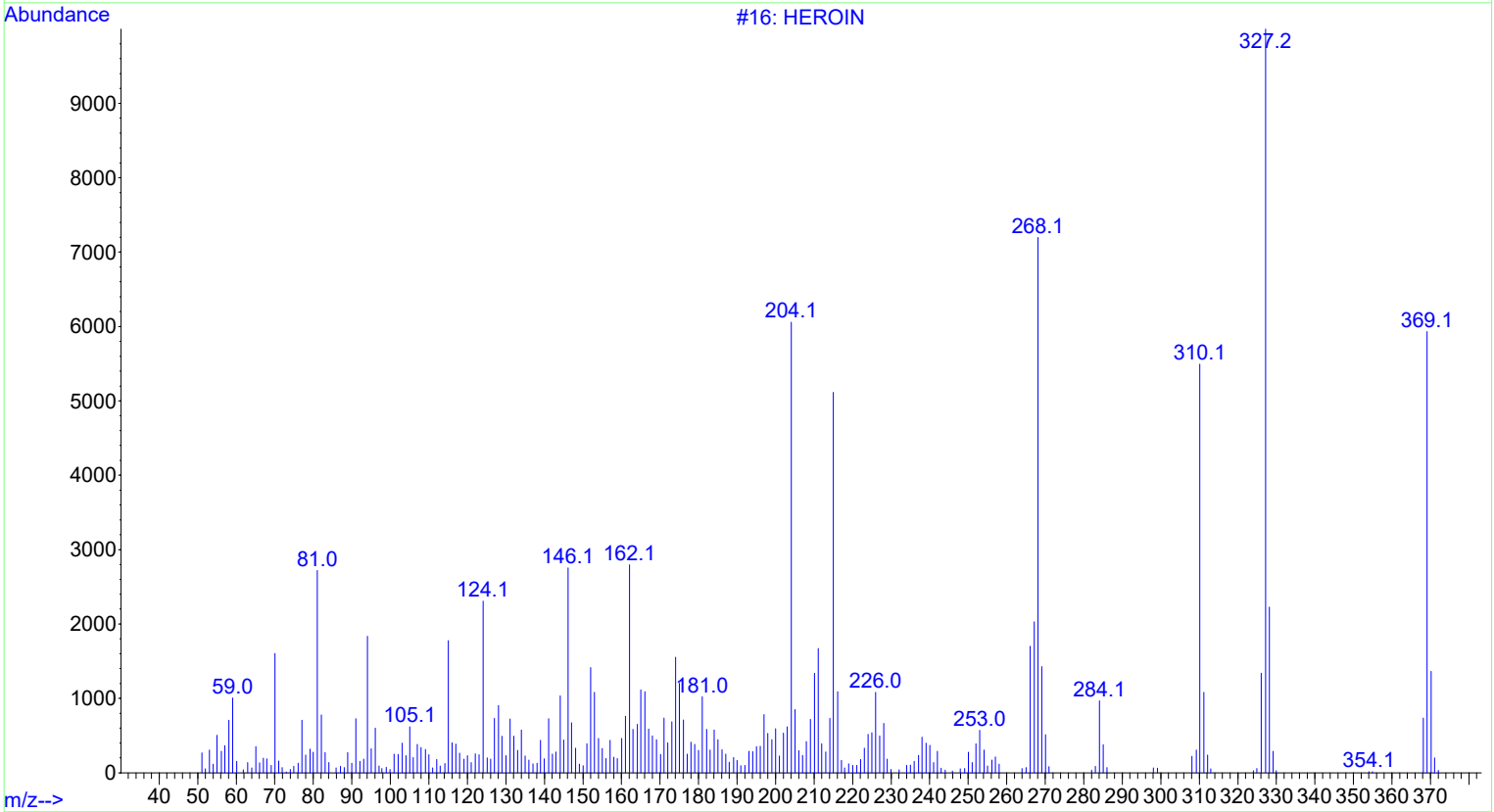
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Acquired : 05 May 2025 09:03 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2



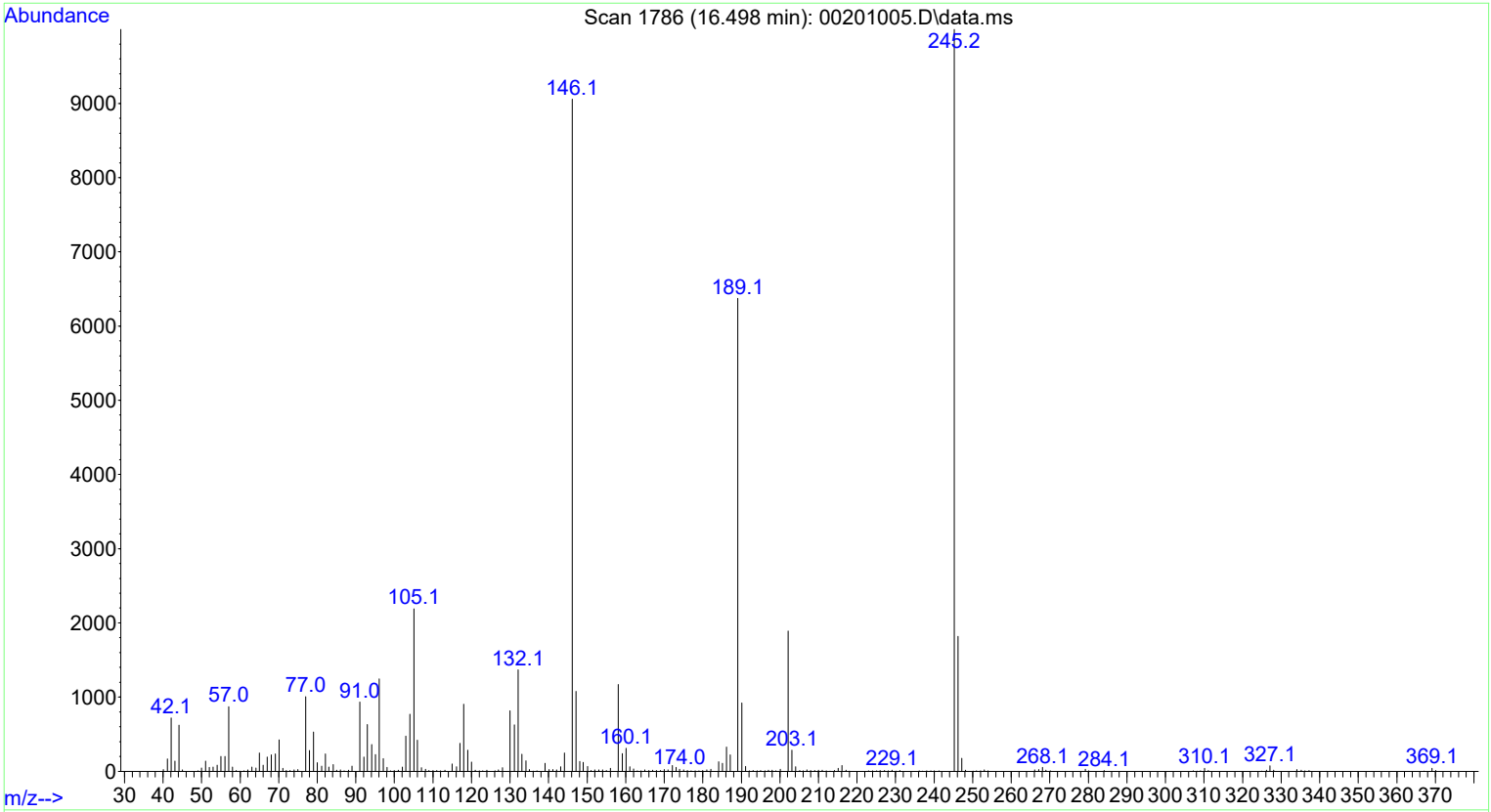


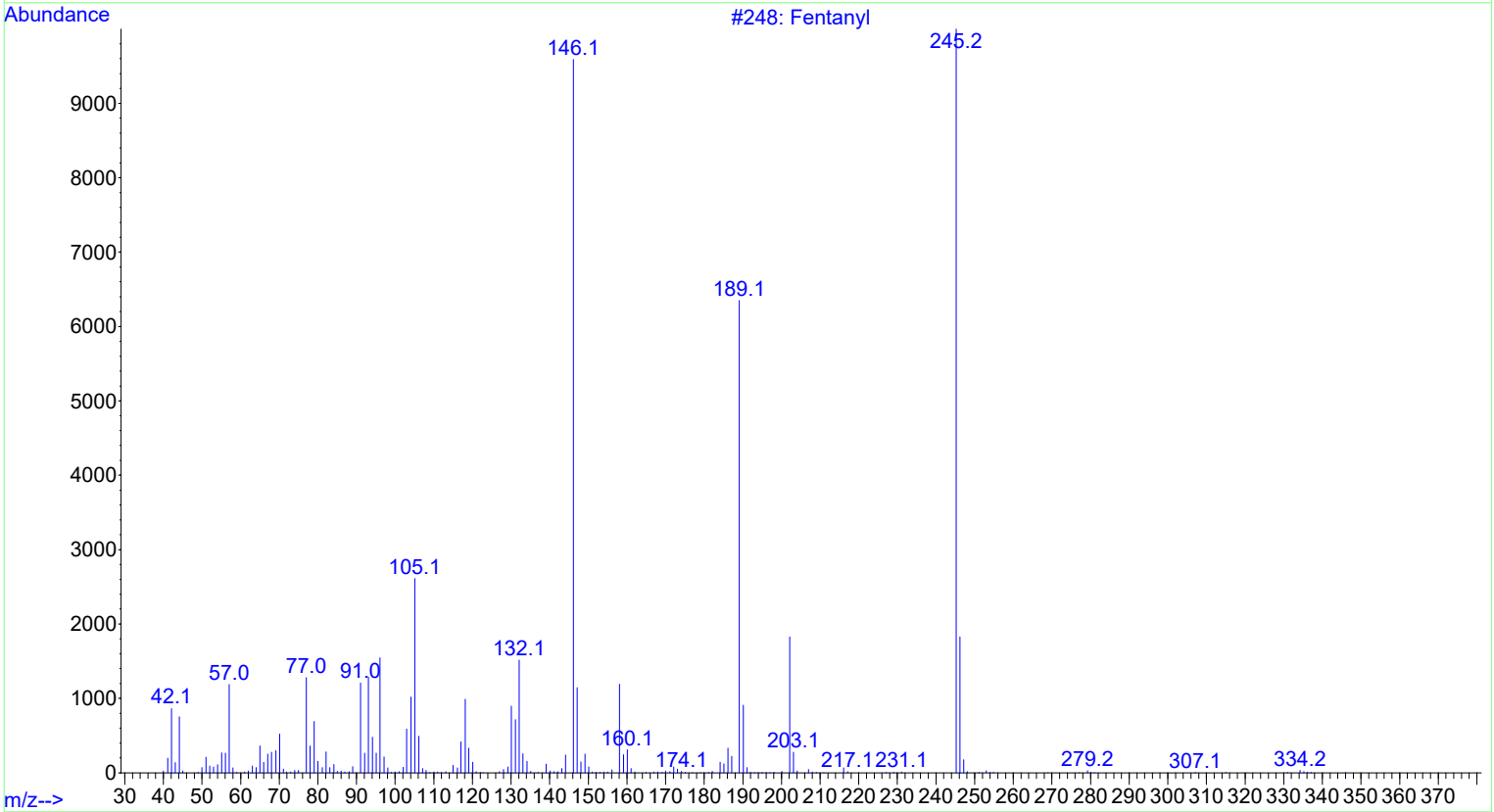
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...         2025 Data\050525\00201005.D
Acquired   : 05 May 2025  09:03     using AcqMethod DrugTest35MS.M
Instrument :   GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060)                  000002669
Misc Info  : in ACN                                         000002669
Vial Number: 2
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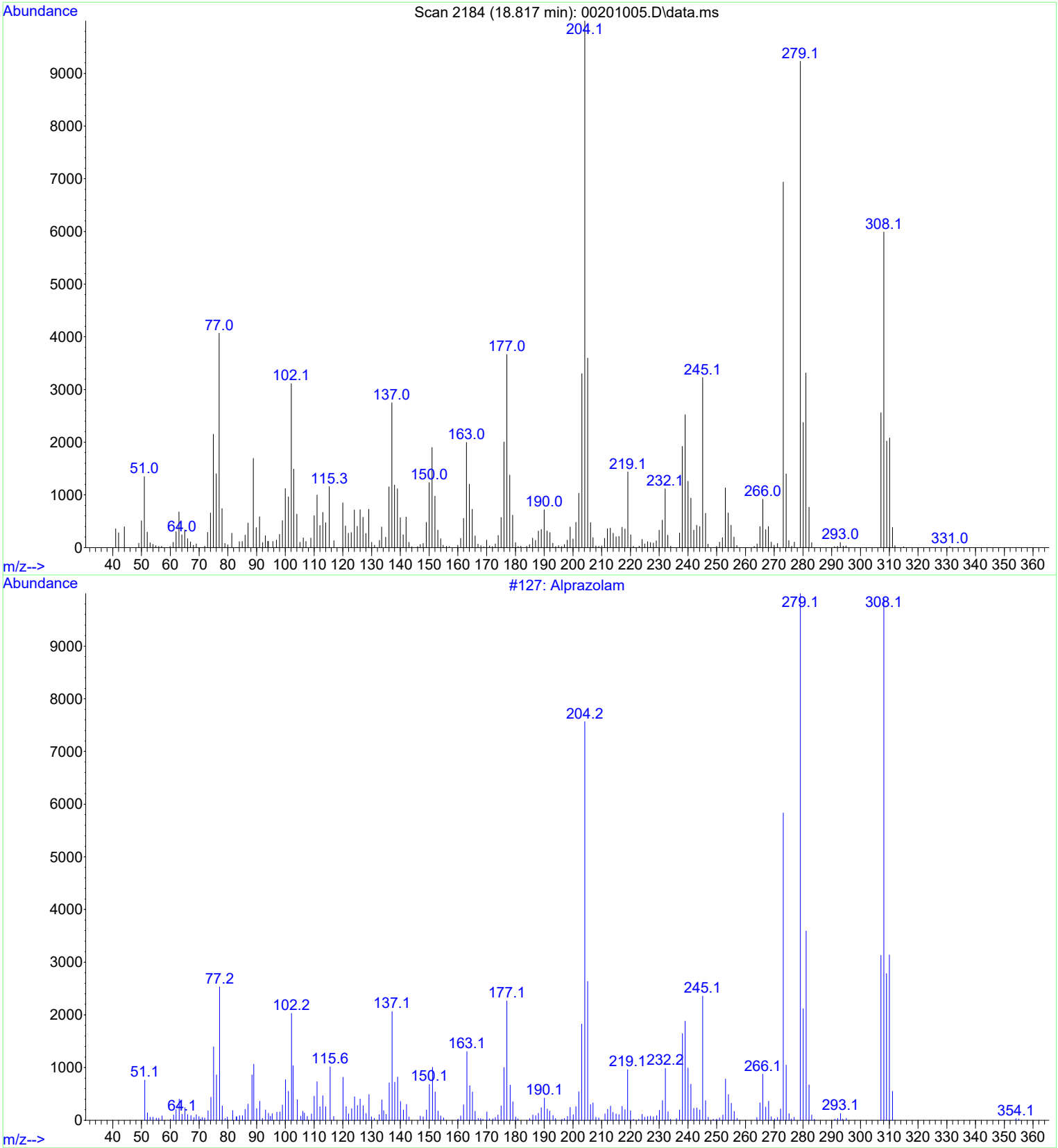


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Acquired : 05 May 2025 09:03 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2

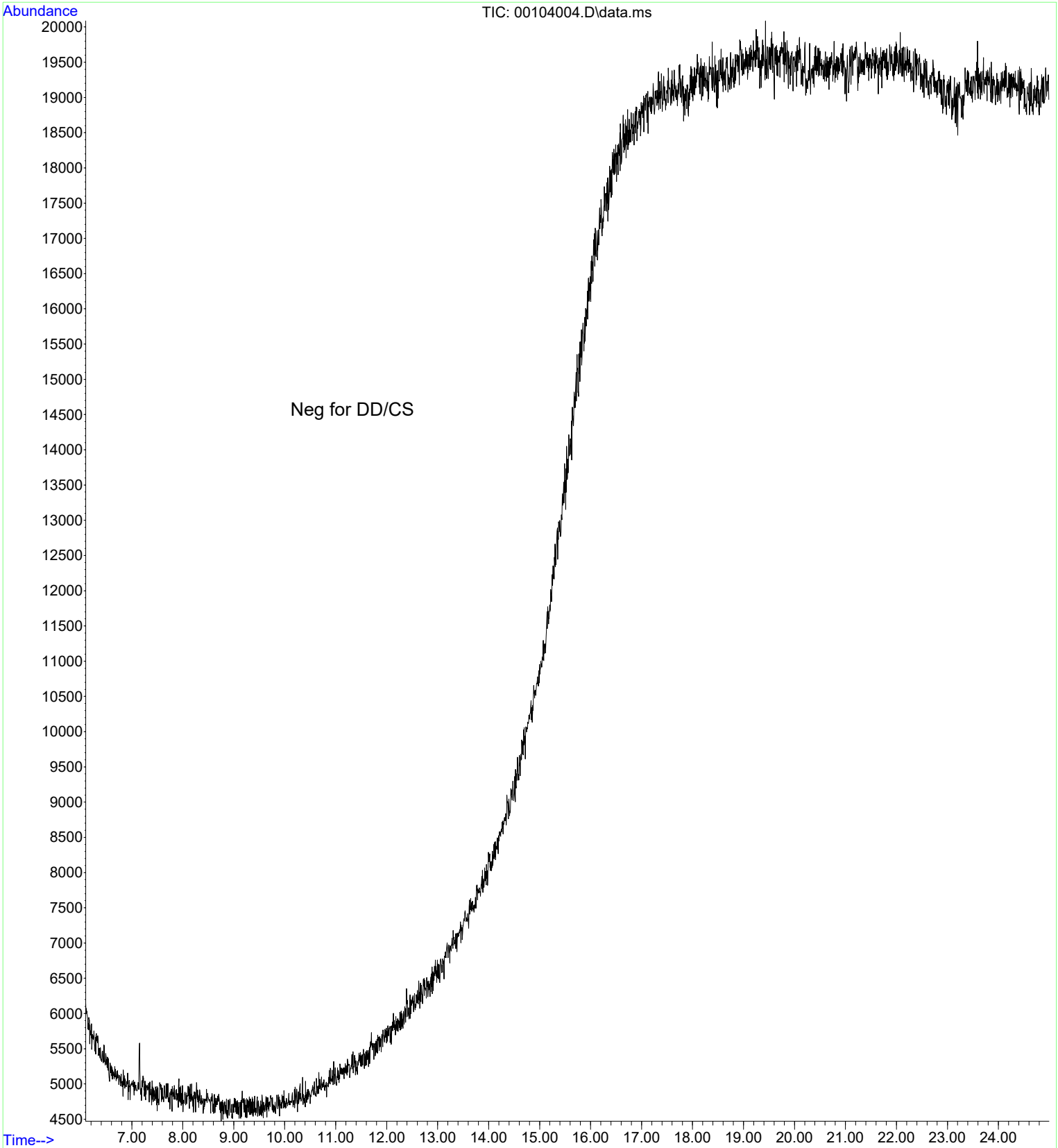




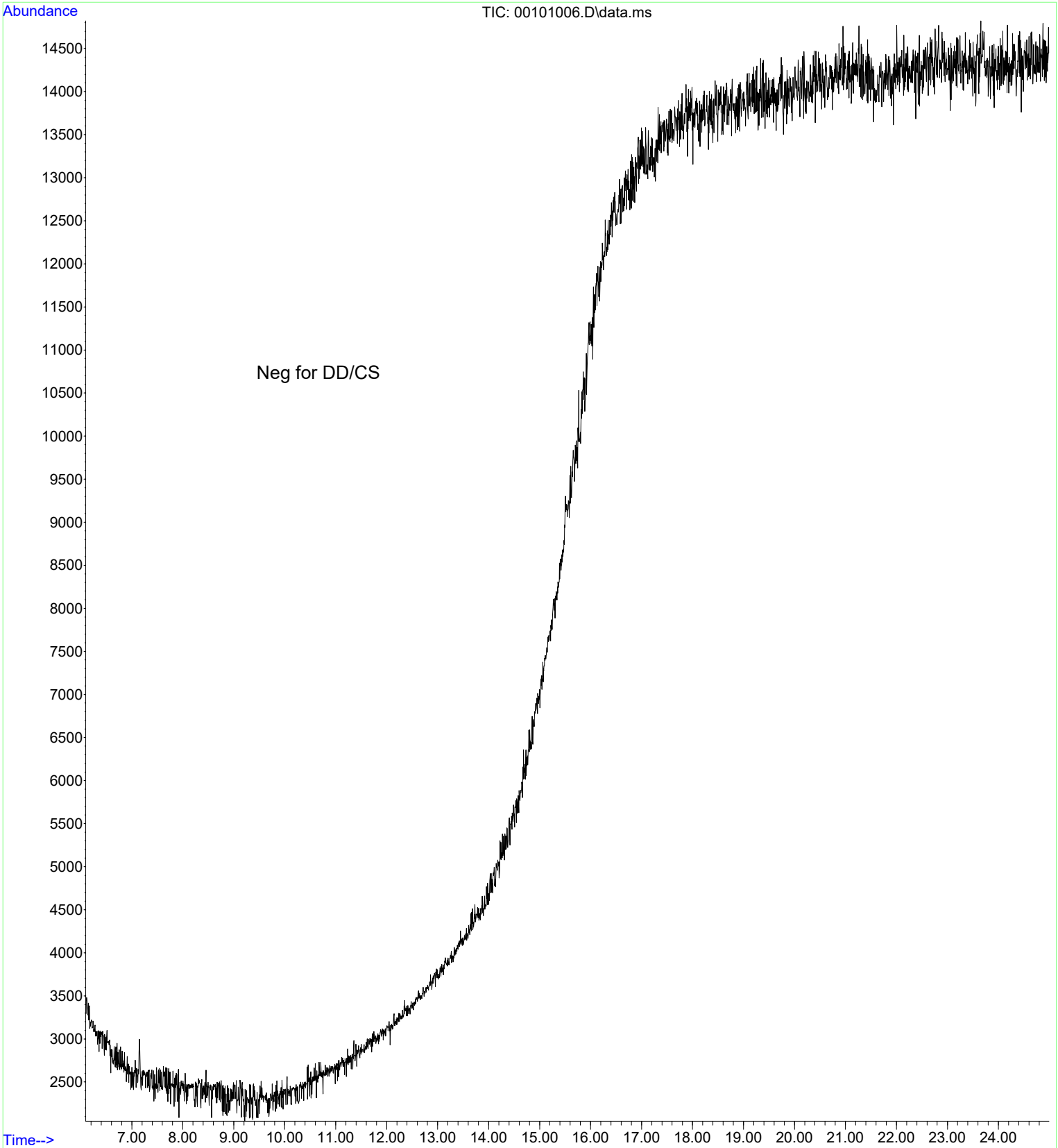
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Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\050525\00104004.D
Acquired : 05 May 2025 08:34 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: BLANK (C-19-0068) prior to Cayman GC/MS mix 3 (R-24-060) 000002668
Misc Info : ACN 000002668
Vial Number: 1

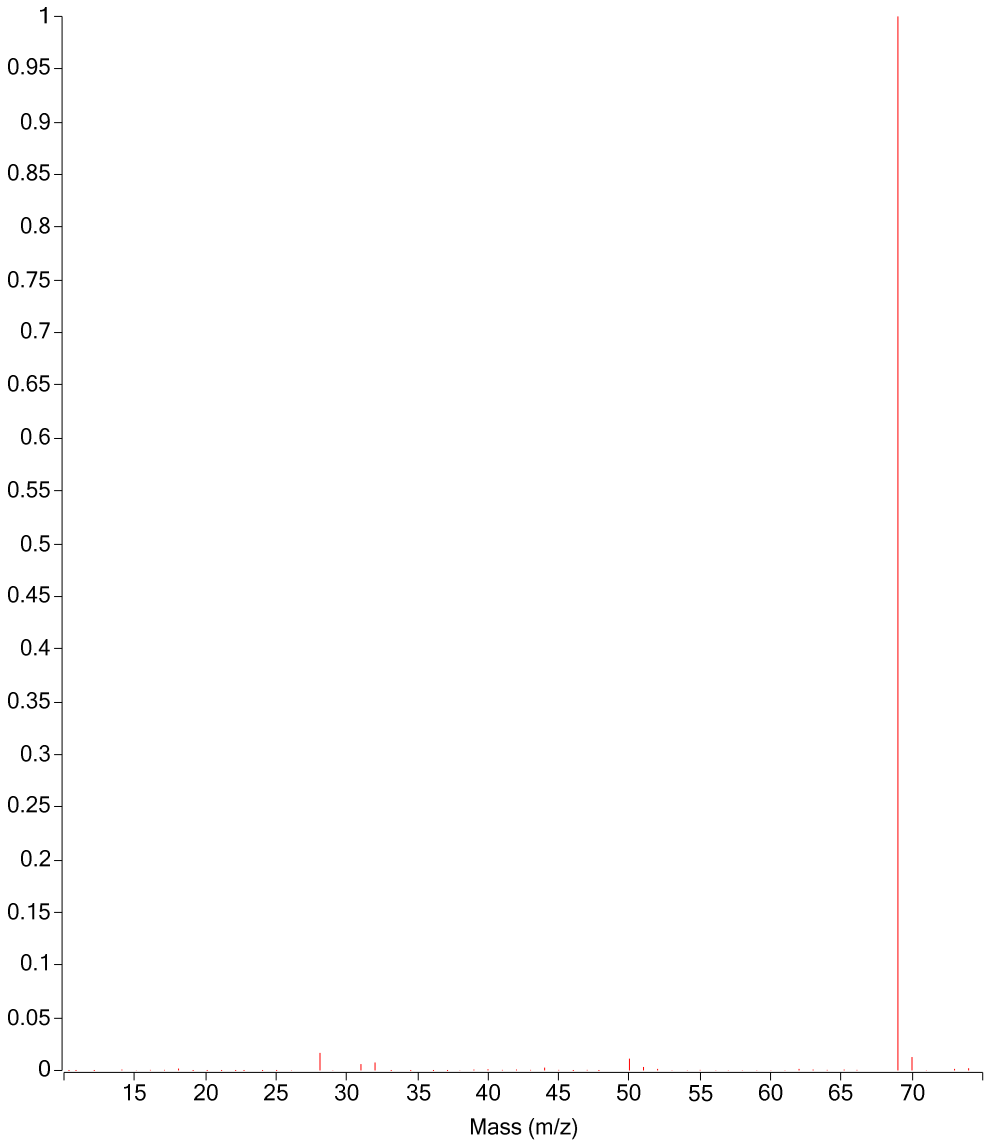


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... 2025 Data\050525\00101006.D
Acquired : 05 May 2025 09:32 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Blank (C-19-0068) - Instrument ready 000002668
Misc Info : ACN 000002668
Vial Number: 1



597x Air and Water Check

Instrument: GCMS #4
Mon May 12 07:39:00 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: HES_Atune.u

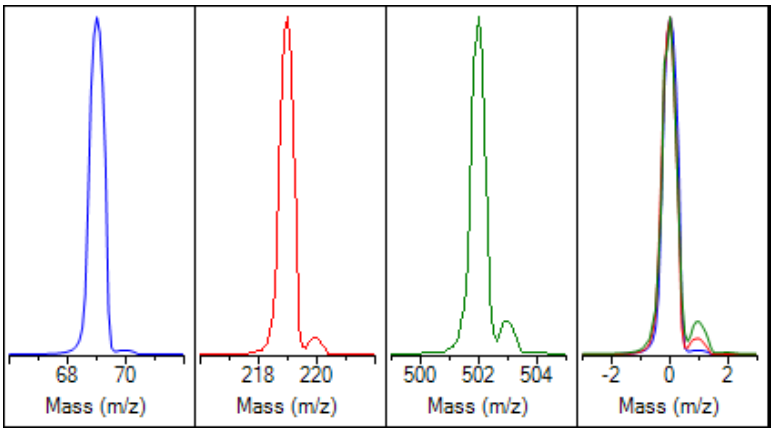
Relative abundances:

18/69 =	0.19	Water%	(counts=1347)
28/69 =	1.66	Nitrogen%	(counts=11883)
32/69 =	0.77	Oxygen%	(counts=5525)
44/69 =	0.28	Carbon Dioxide%	(counts=2006)
28/18 =	882.18	Nitrogen/Water%	

High Efficiency Source Autotune - 5977

Tune timestamp: 5/12/2025 7:48 AM (UTC-05:00) GCMS #4

D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002



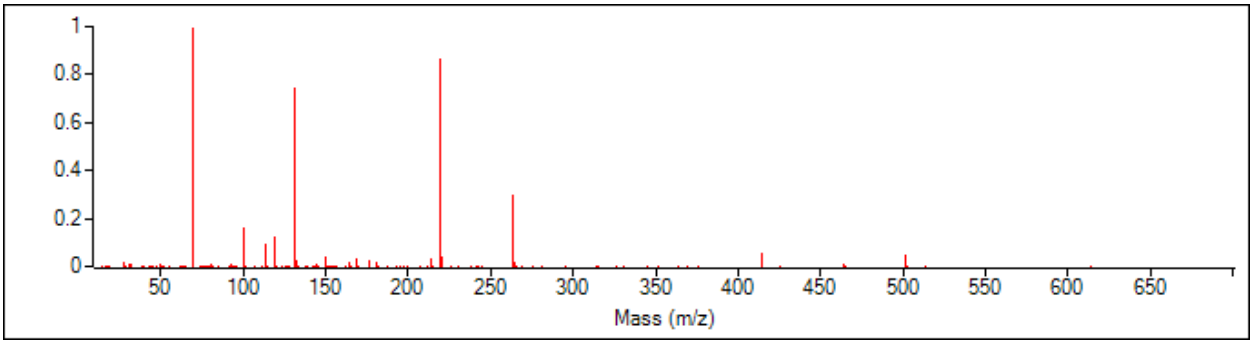
Ion Polarity	Pos	PFTBA	Open
Emission	100.0	Mass Gain	91
Electron Energy	70.0	Mass Offset	-28
Filament	1	Amu Gain	2458
Repeller	14.61	Amu Offset	136.63
Ion Focus	149.6	Width219	0.001
Entrance Lens	7.5	DC Polarity	Pos
Ent Lens Offset	15.10	HED Enable	On
Ion Body	5.00	EM Volts	2193.6
Post Extractor 1	19	Extractor Lens	14.00
Post Extractor 2	33	Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	461,306	100.0%	0.60
219.00	412,800	89.5%	0.58
502.00	25,159	5.5%	0.55

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	7.92e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	120	69.00	436,864	1,682,002



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	436,864	100.0%	70.00	5,277	1.2%
219.00	219.00	377,216	86.3%	220.00	17,704	4.7%
502.00	502.00	22,792	5.2%	503.10	2,202	9.7%

Air/Water Check: H20 ~0.1% N2 ~2.1% O2 ~0.7% CO2 ~0.1% N2/H20 ~1924.3%

Column(1) Flow: 0.70 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 128 volts using ion 502; Electron Multiplier Gain 10934.520

Repeller maximum 35 volts using ion 219; Gain Factor 0.1093

Mass Gain Values(Scan Speed): 95(3) 97(2) 107(1) 115(0) 168(FS1) 167(FS2) 167(FS3)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	136.6	136.6	136.6	136.6	136.6	136.6	136.6
Entrance Lens Offset	15.1	15.1	15.1	15.1	15.1	15.1	15.1

Instrument Name : GCMS #4
DC Polarity : Positive
Filament 1
Current Vacuum status :High Vacuum: 5.72E-06 Torr Turbo:100%

BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	219.00	OK
Position of mass 502	502.00	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	219.99	OK
Position of isotope mass 503	503.00	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.21	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.75	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.12	OK
Ratio of 219 to 69 should be > 40% and is	86.08	OK
Ratio of 502 to 69 should be > 2.4% and is	4.75	OK
Mass 69 Precursor (<= 3%)	0.78	OK
Mass 219 Precursor (<= 6%)	2.11	OK
Mass 502 Precursor (<= 12%)	3.62	OK

597x Air and Water Check
Mon May 12 07:53:23 2025 Instrument: GCMS #4
D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002

Testing for a leak in the system		
Ratio of 18 to 69 (<20%)	0.11	OK
Ratio of 28 to 69 (<10%)	2.11	OK
Electron Multiplier Voltage	2194	OK

Tune portion of System Verification passed.

Brazoria County Crime Lab Area Percent Report

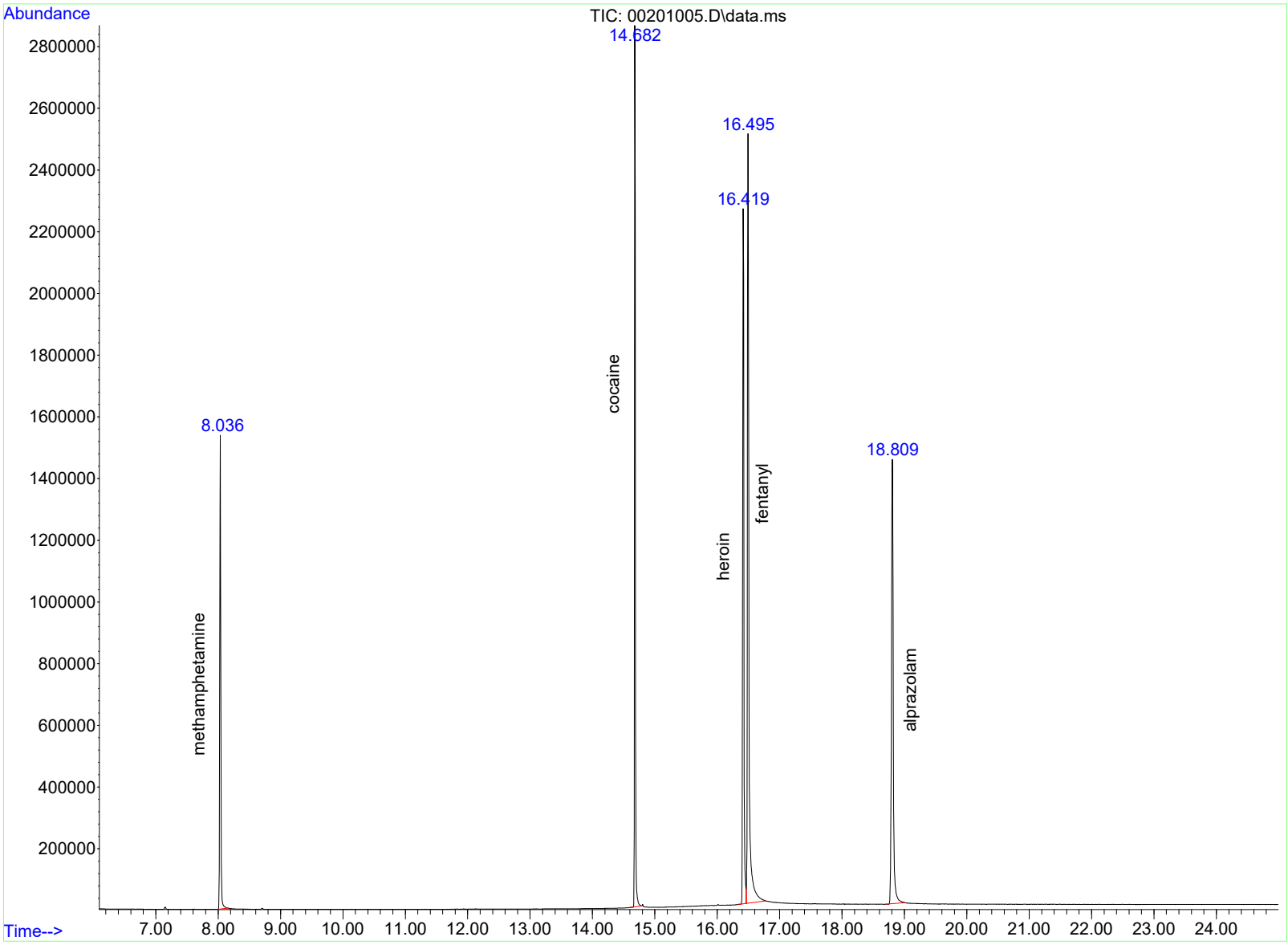
Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\2025 Data\051225\00201005.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : AGILENT 4
Acq On : 12 May 2025 09:14
Sample : Cayman GC/MS mix 3 (R-24-060)
Misc : in ACN
ALS Vial : 2
ExpBcode : 000002669
ActBcode : 000002669

Signal : TIC: 00201005.D\data.ms

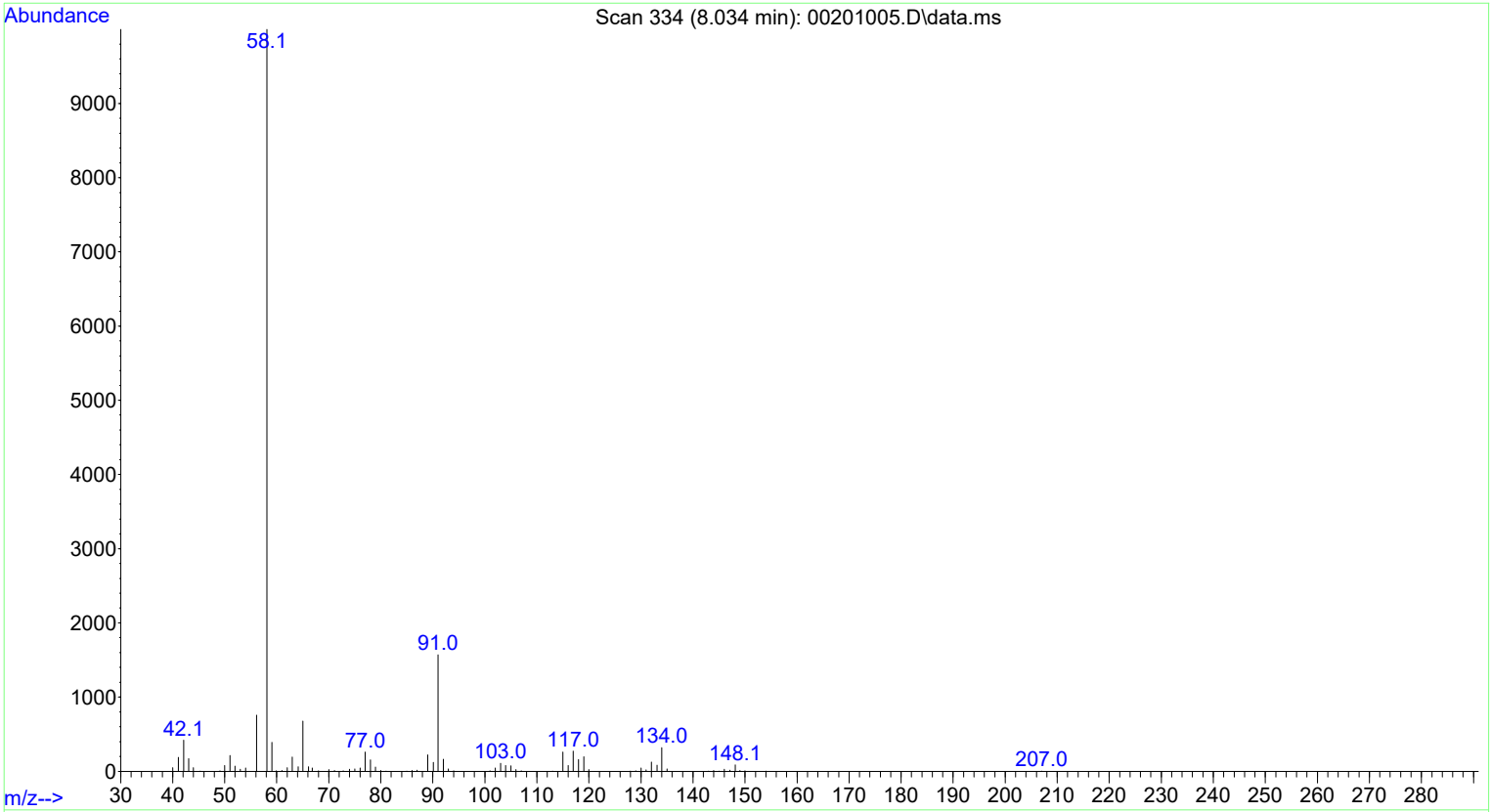
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.036	327	334	356	BB	1474253	19139256	44.93%	12.685%
2	14.682	1459	1475	1493	BV	2743377	28939837	67.94%	19.181%
3	16.419	1759	1773	1780	BV	2213559	30723750	72.13%	20.364%
4	16.495	1780	1786	1835	VB	2432898	42597825	100.00%	28.234%
5	18.809	2164	2183	2217	BB 2	1431780	29475663	69.20%	19.536%

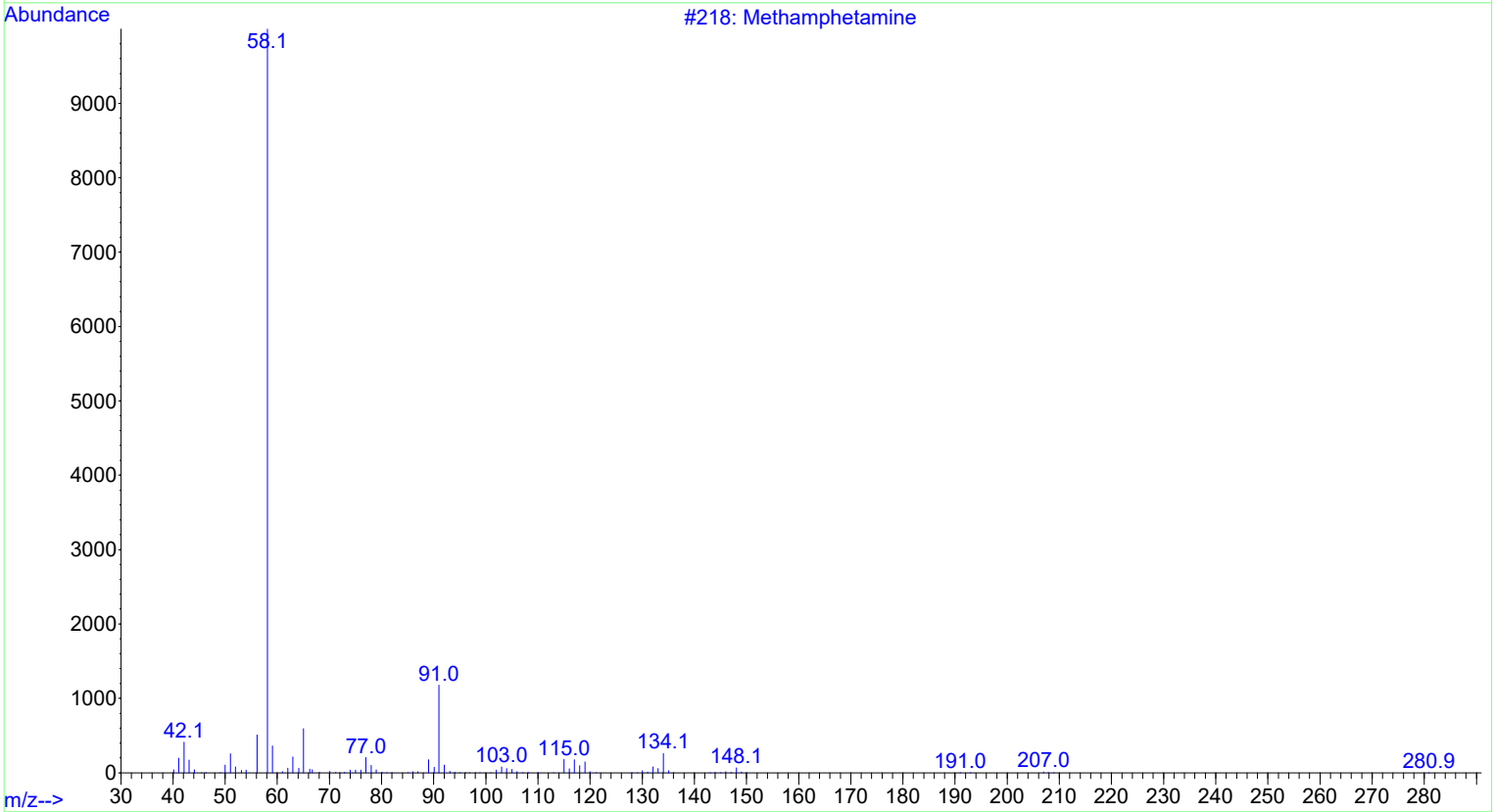
Sum of corrected areas: 150876331

DrugTest35MS.M Mon May 12 09:40:11 2025 DRUGS

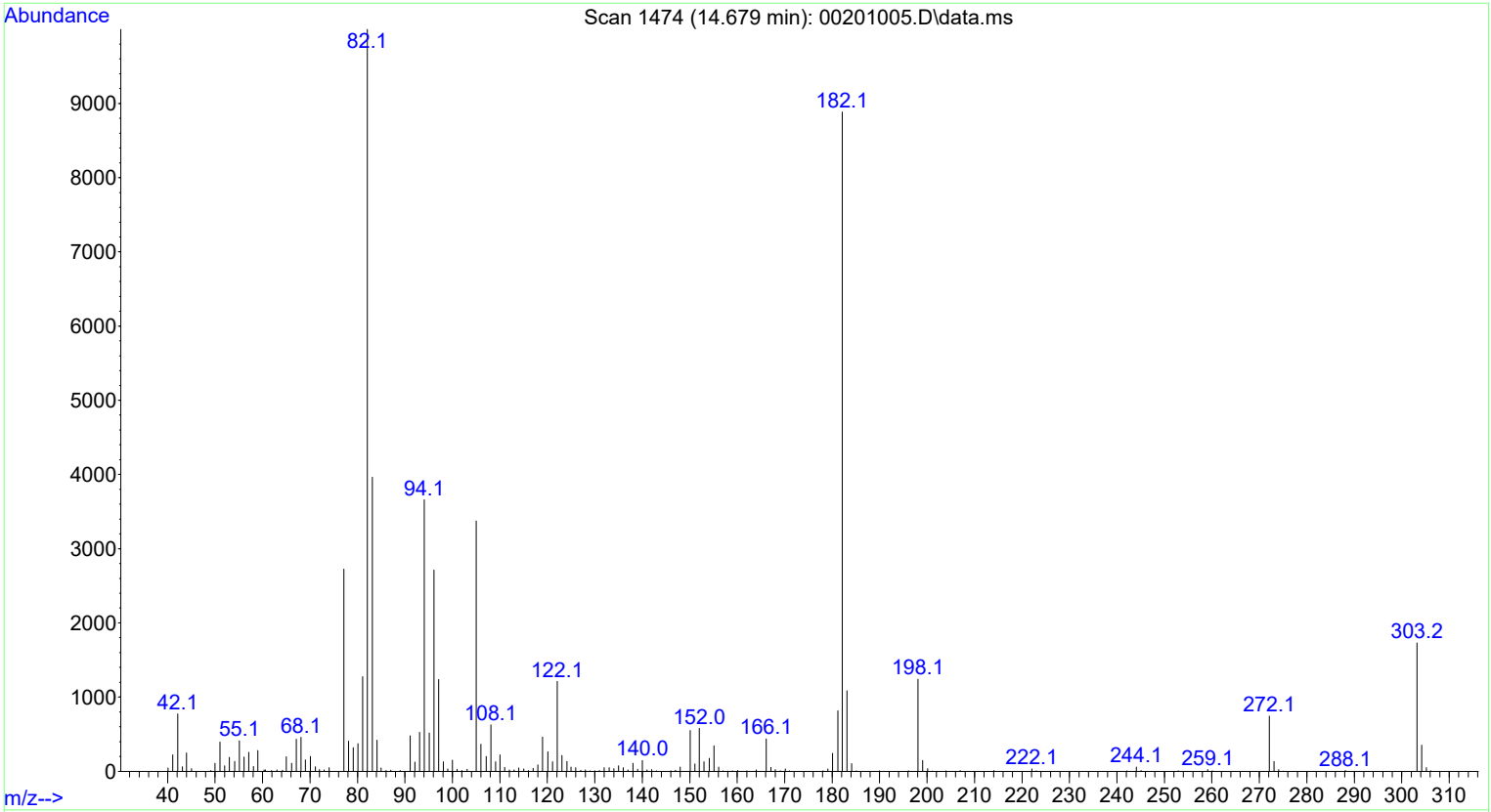


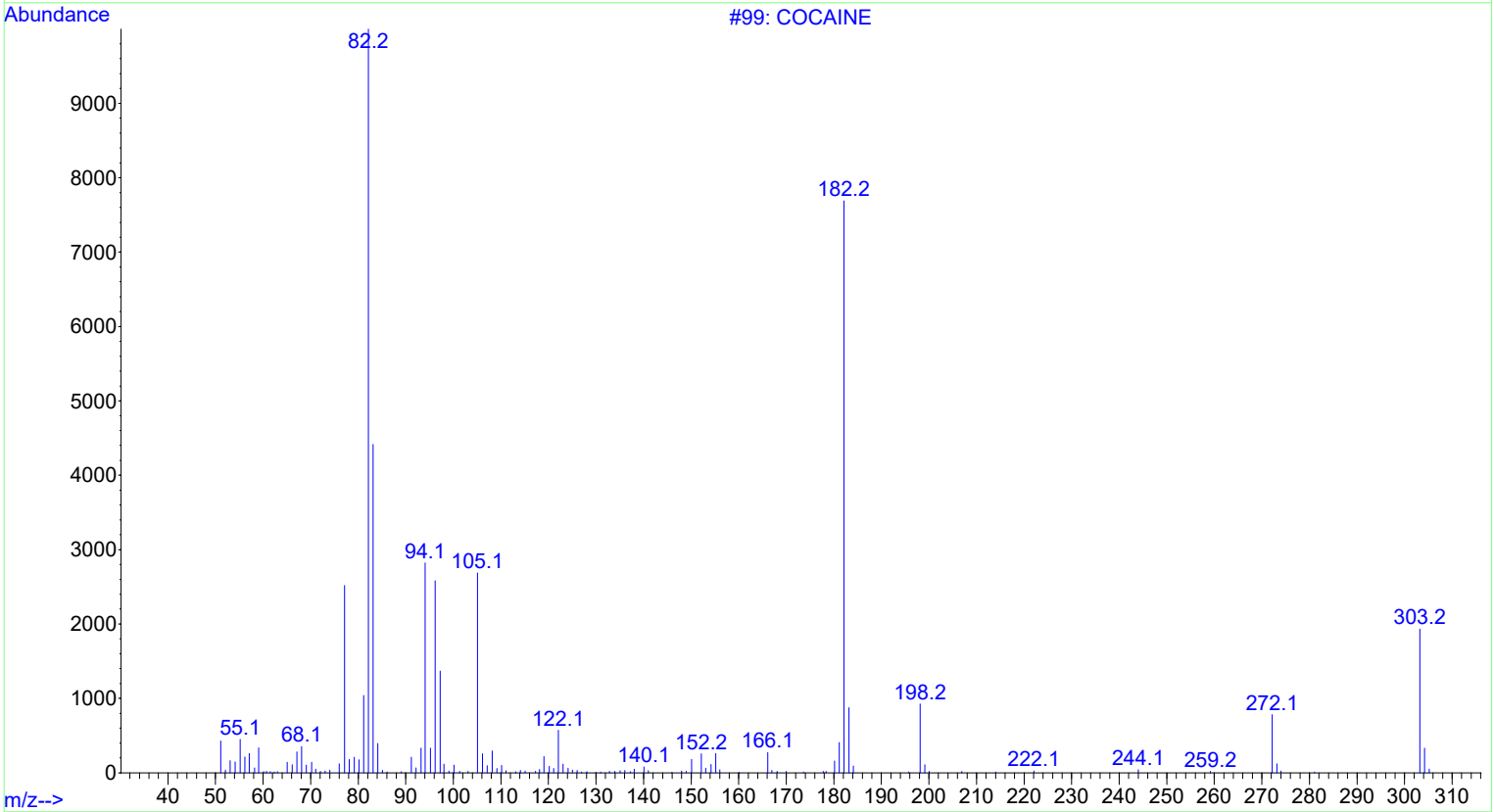
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...         2025 Data\051225\00201005.D
Acquired   : 12 May 2025  09:14     using AcqMethod DrugTest35MS.M
Instrument :   GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060)                  000002669
Misc Info  : in ACN                                         000002669
Vial Number: 2
```



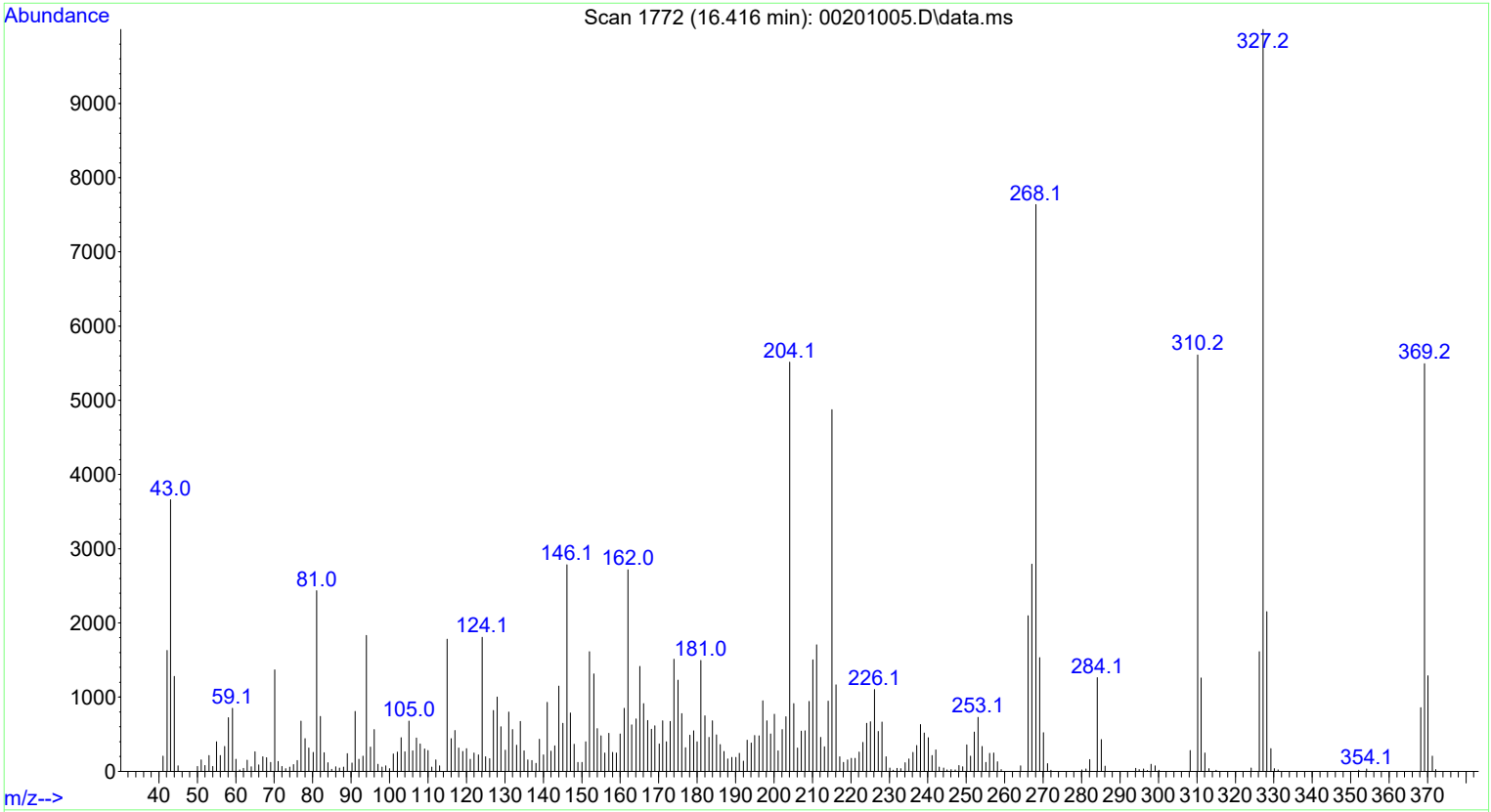


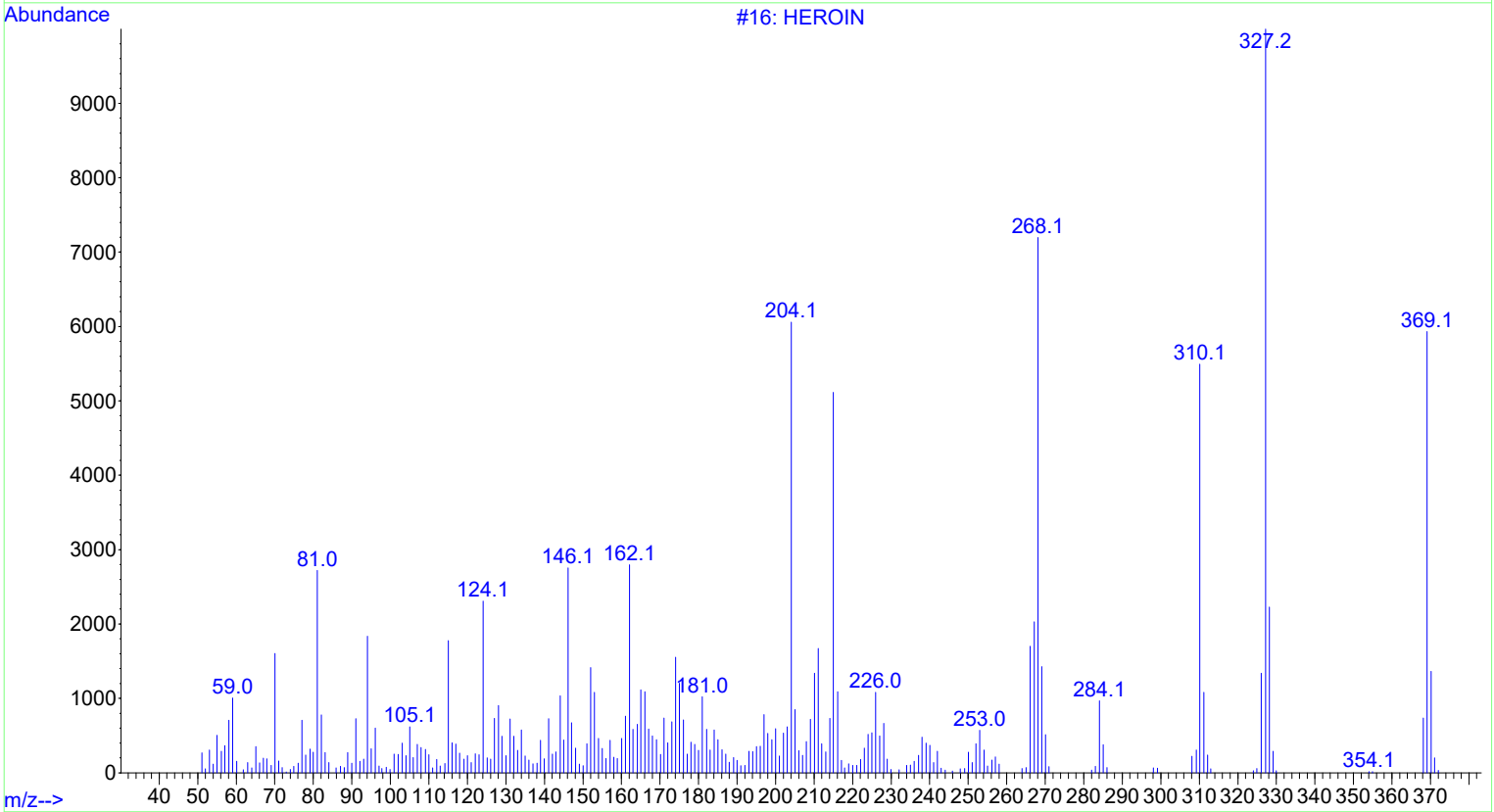
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... 2025 Data\051225\00201005.D
Acquired : 12 May 2025 09:14 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2



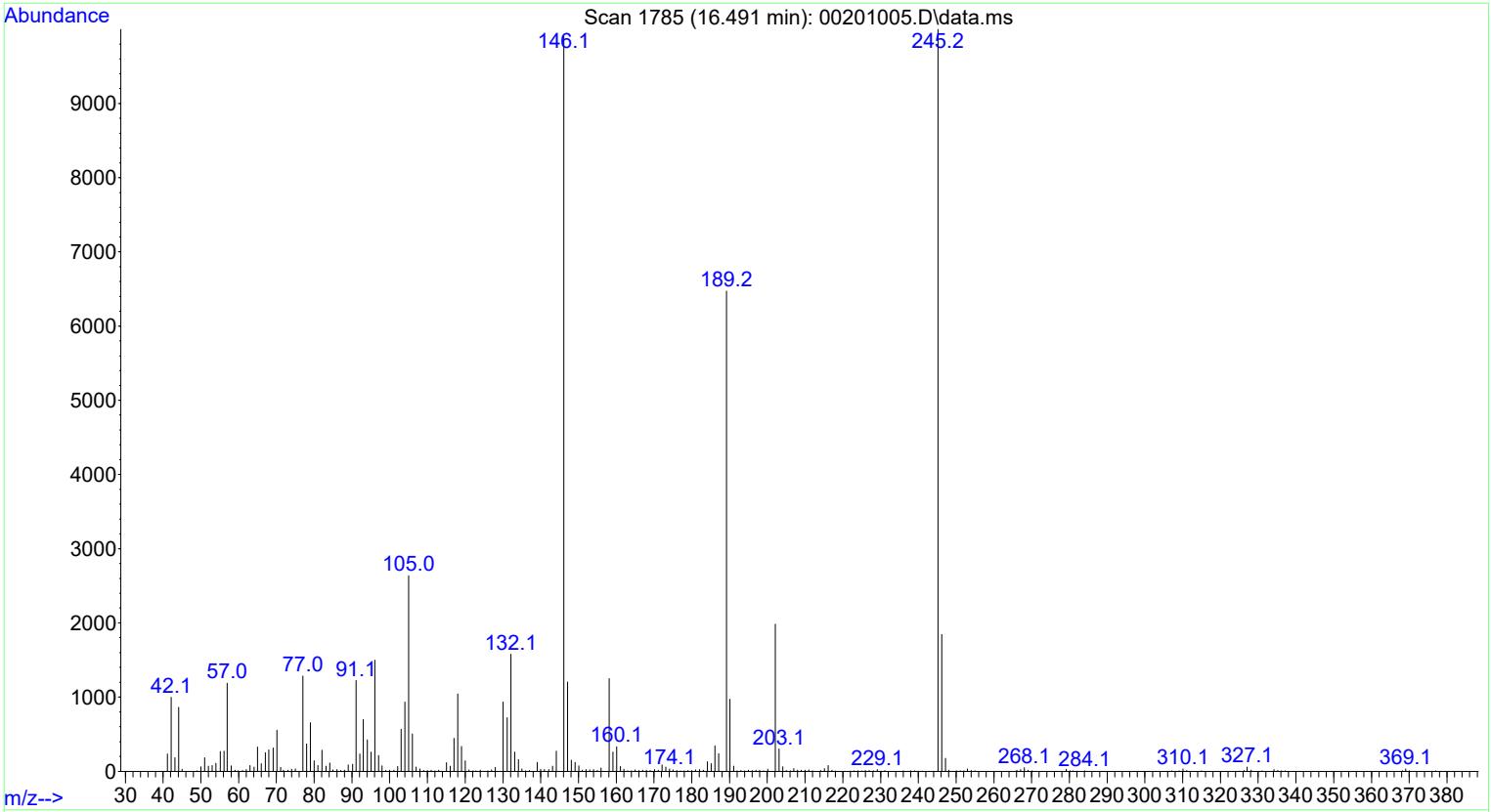


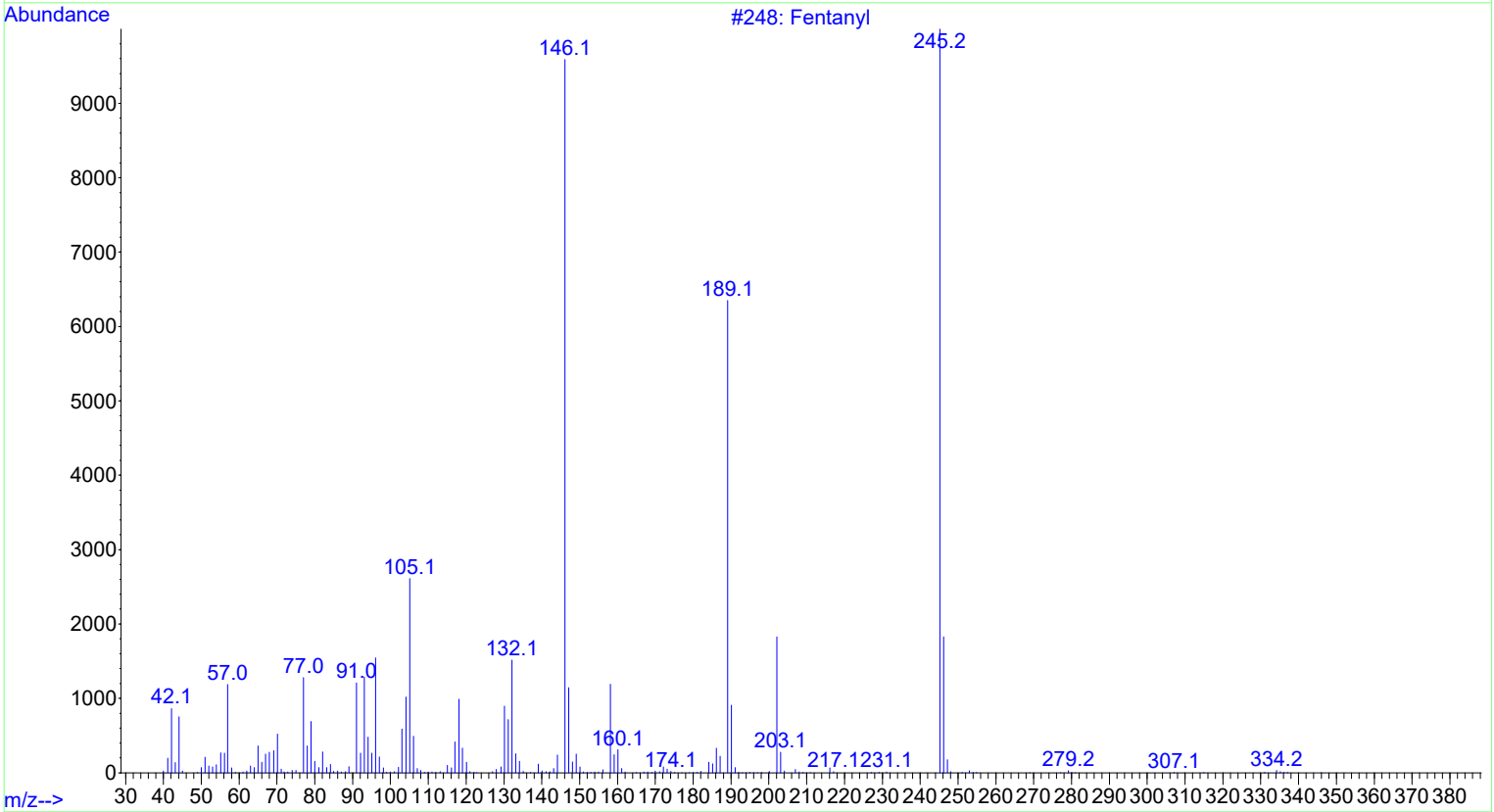
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File       :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
...         2025 Data\051225\00201005.D
Acquired   : 12 May 2025  09:14     using AcqMethod DrugTest35MS.M
Instrument :   GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060)                  000002669
Misc Info  : in ACN                                         000002669
Vial Number: 2
```



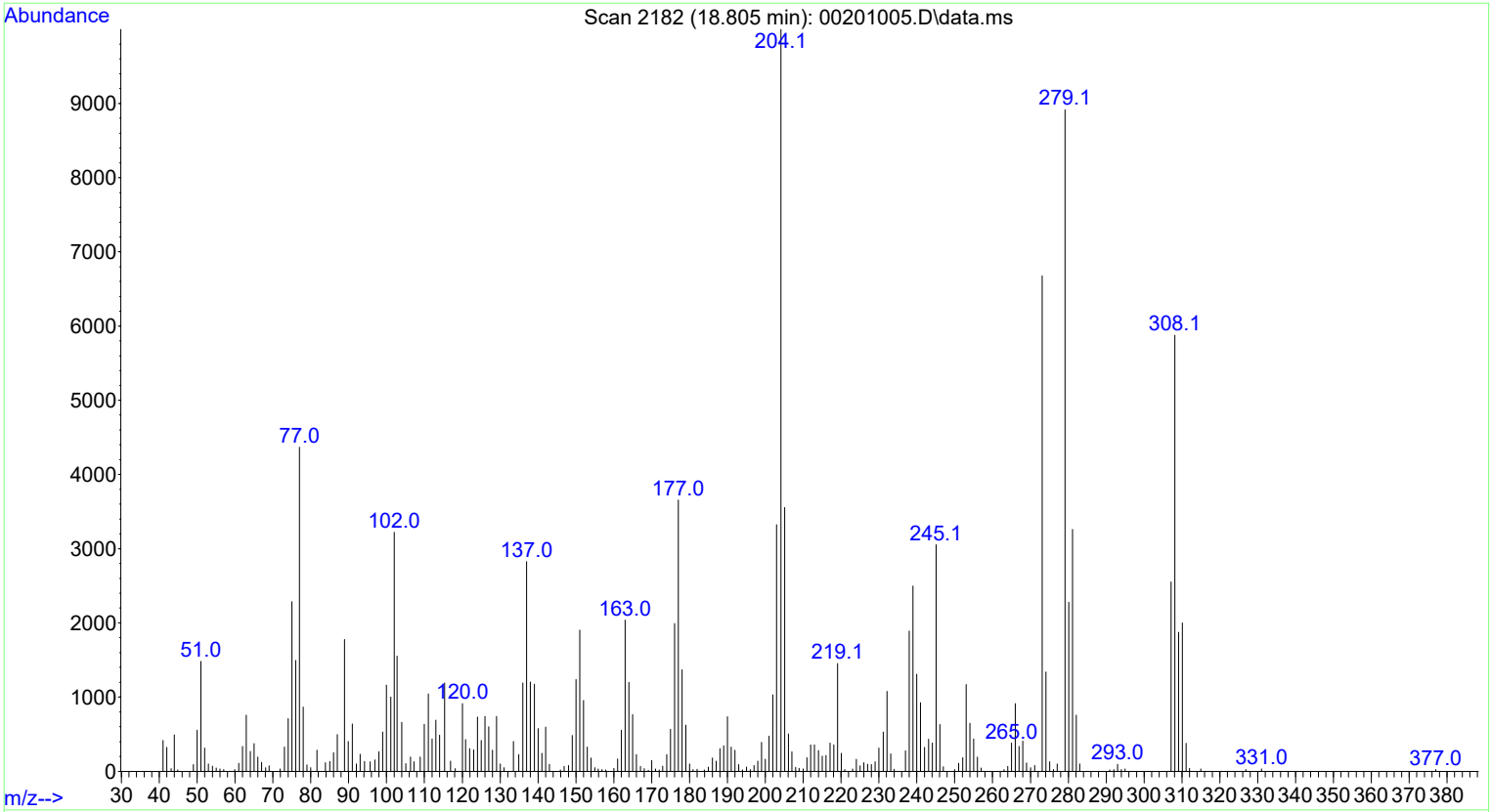


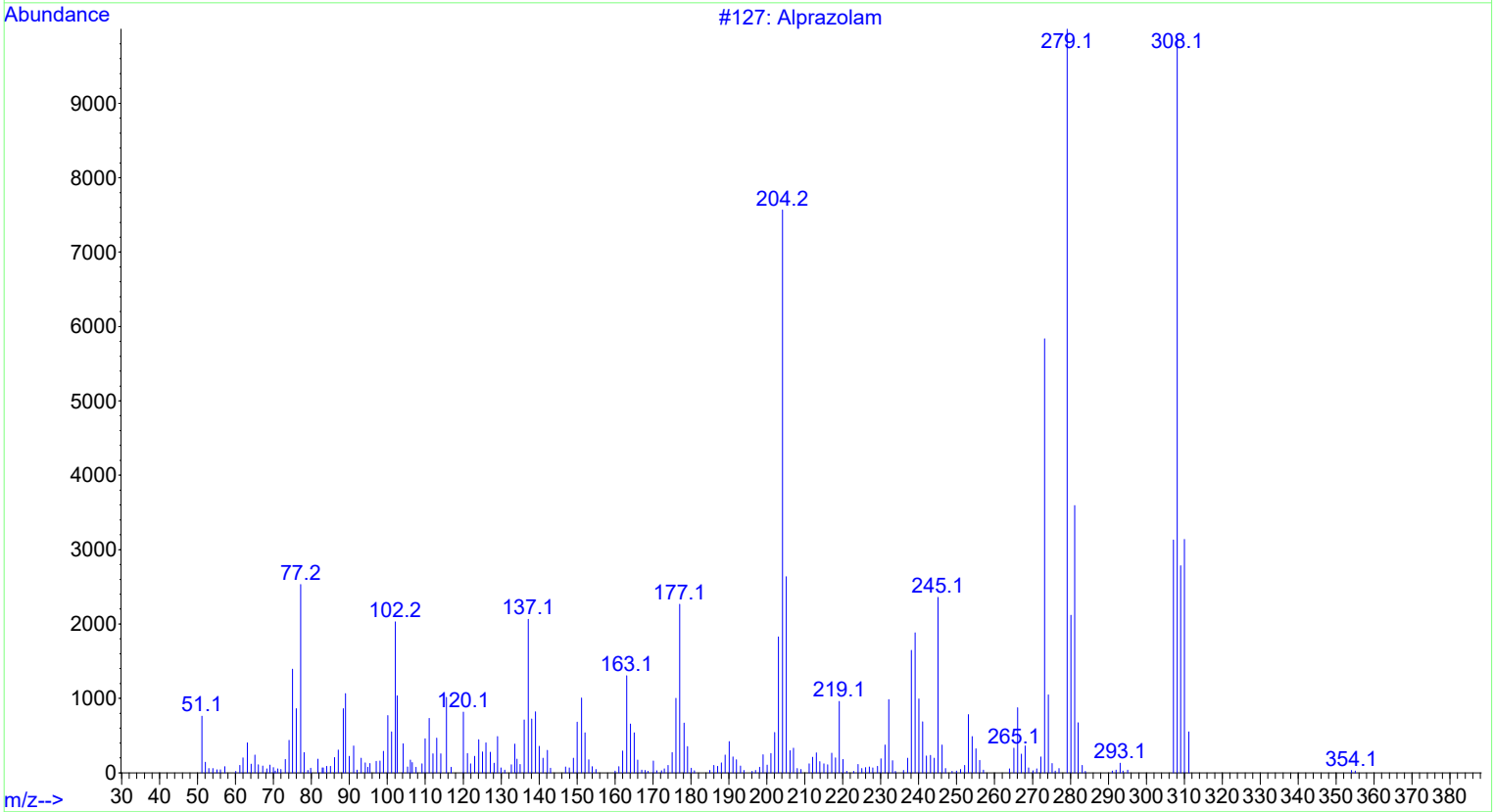
File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\051225\00201005.D
Acquired : 12 May 2025 09:14 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2





File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\051225\00201005.D
Acquired : 12 May 2025 09:14 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2





Brazoria County Crime Lab Area Percent Report

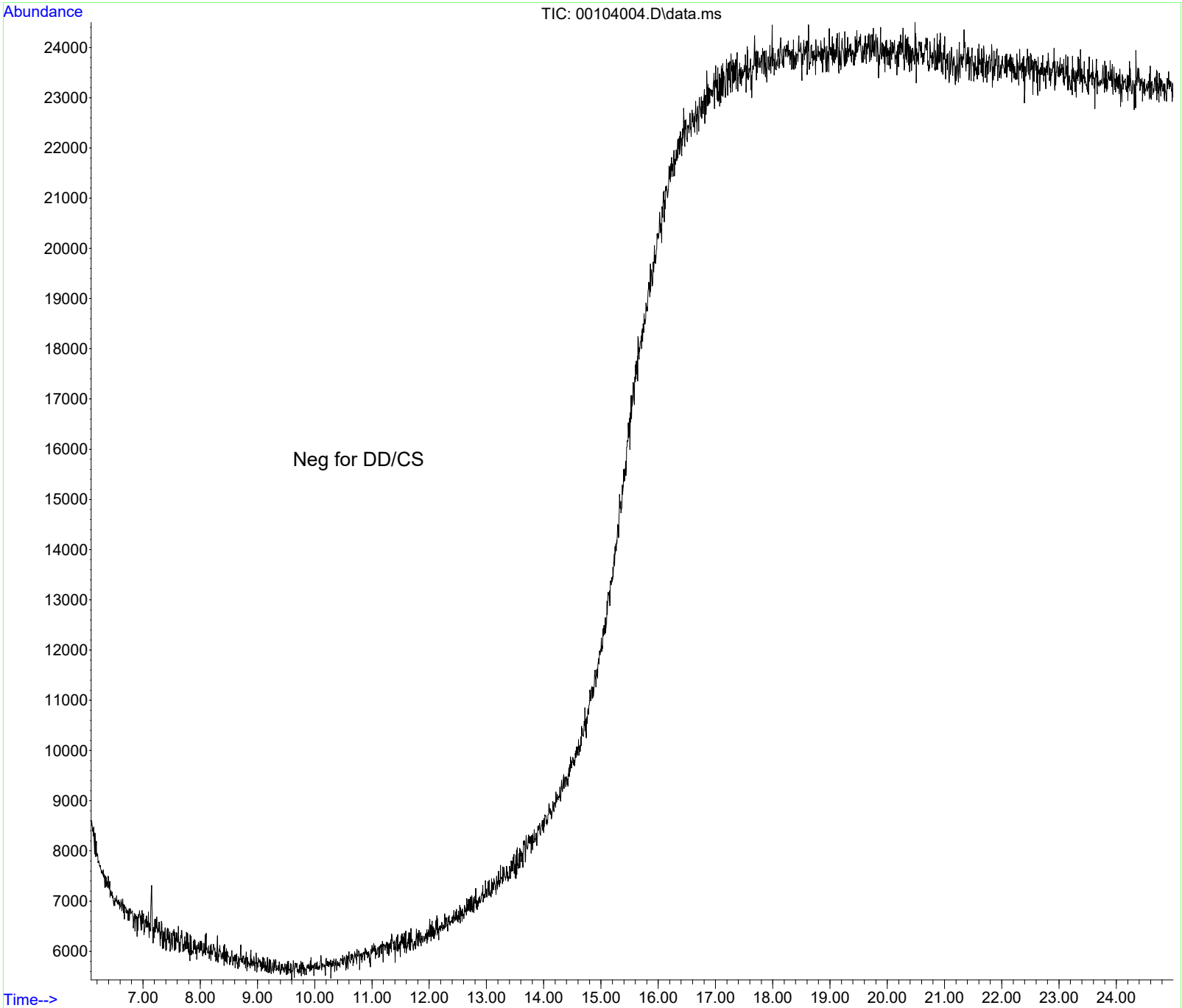
Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\2025 Data\051225\00104004.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : AGILENT 4
Acq On : 12 May 2025 08:46
Sample : BLANK (C-19-0068) prior to Cayman GC/MS mix 3 (R-24-060)
Misc : ACN
ALS Vial : 1
ExpBcode : 000002668
ActBcode : 000002668

Signal : TIC: 00104004.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

No peaks were detected using the method integration parameters!

DrugTest35MS.M Mon May 12 09:11:24 2025 DRUGS



Brazoria County Crime Lab Area Percent Report

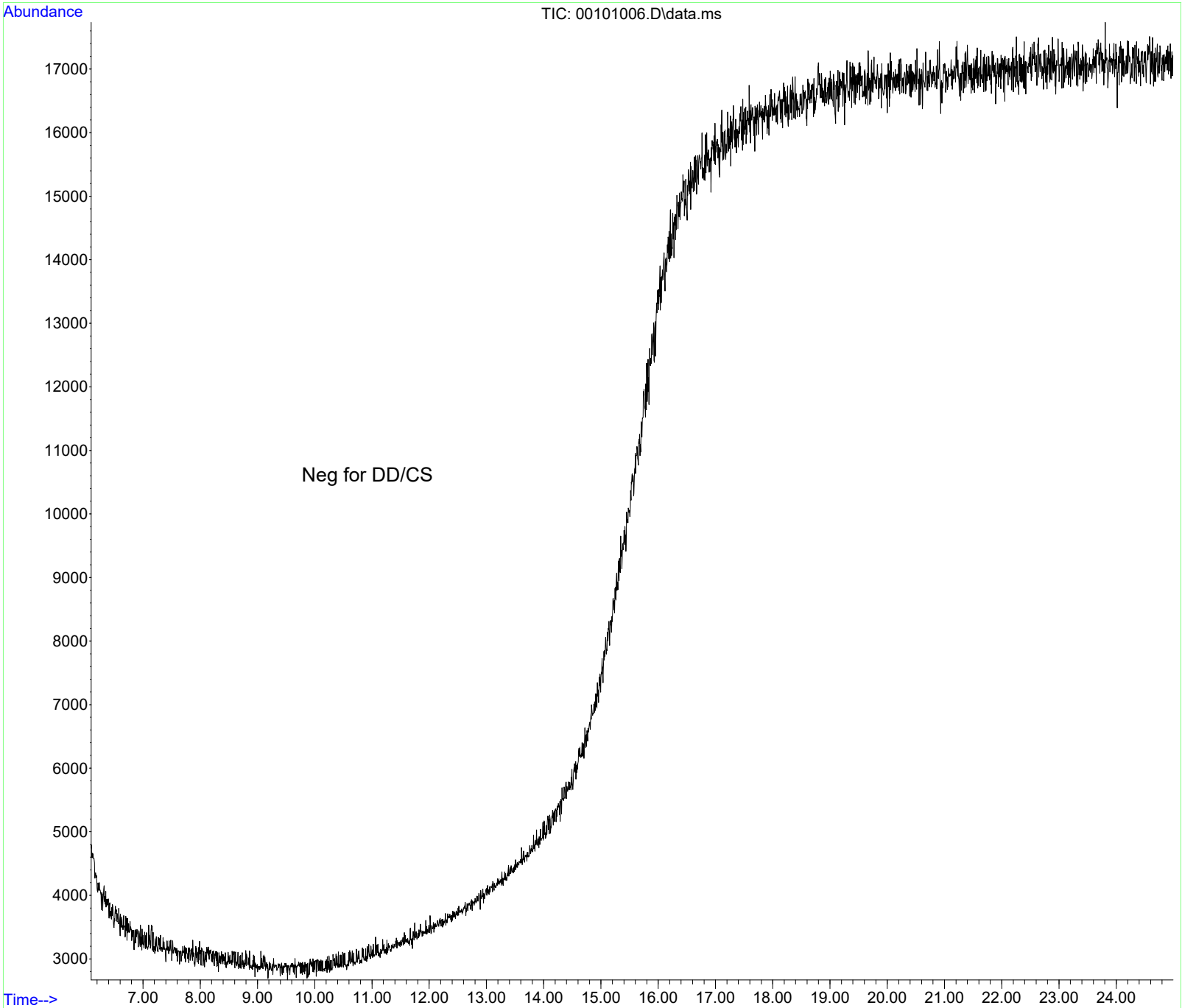
Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\2025 Data\051225\00101006.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : AGILENT 4
Acq On : 12 May 2025 09:43
Sample : Blank (C-19-0068) - Instrument ready
Misc : ACN
ALS Vial : 1
ExpBcode : 000002668
ActBcode : 000002668

Signal : TIC: 00101006.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

No peaks were detected using the method integration parameters!

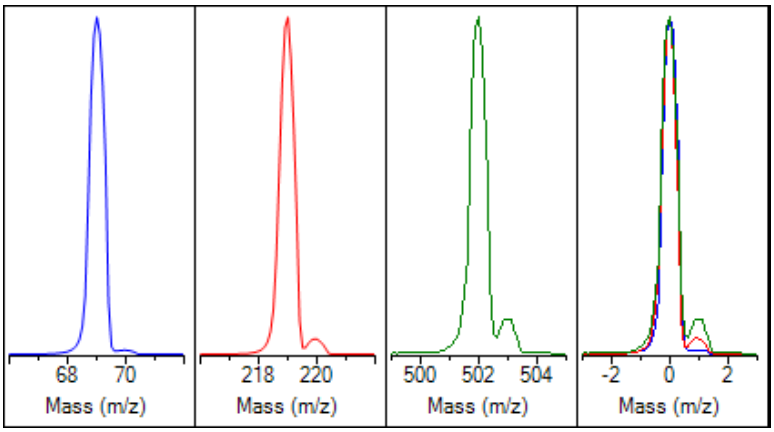
DrugTest35MS.M Mon May 12 10:08:54 2025 DRUGS



High Efficiency Source Autotune - 5977

Tune timestamp: 5/19/2025 11:02 AM (UTC-05:00) GCMS #4

D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002



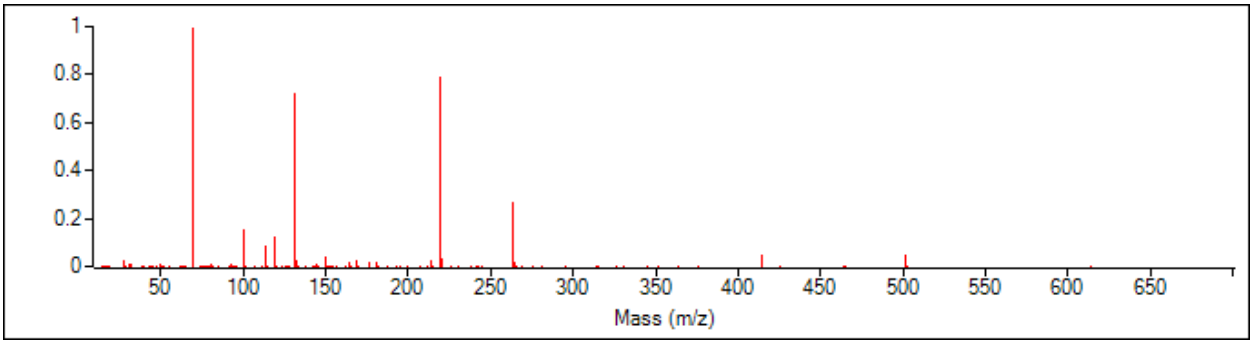
Ion Polarity	Pos	PFTBA	Open
Emission	100.0	Mass Gain	90
Electron Energy	70.0	Mass Offset	-28
Filament	1	Amu Gain	2455
Repeller	14.24	Amu Offset	137.44
Ion Focus	149.6	Width219	0.001
Entrance Lens	12.6	DC Polarity	Pos
Ent Lens Offset	13.73	HED Enable	On
Ion Body	5.00	EM Volts	2192.5
Post Extractor 1	12	Extractor Lens	13.20
Post Extractor 2	32	Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	480,734	100.0%	0.60
219.00	392,823	81.7%	0.59
502.00	21,537	4.5%	0.63

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.38e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	115	69.00	450,496	1,648,397



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	450,496	100.0%	70.00	5,401	1.2%
219.00	219.00	354,688	78.7%	220.00	16,648	4.7%
502.00	502.00	21,584	4.8%	503.00	2,098	9.7%

Air/Water Check: H20 ~0.2% N2 ~2.4% O2 ~0.8% CO2 ~0.1% N2/H20 ~1483.1%

Column(1) Flow: 0.70 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 128 volts using ion 502; Electron Multiplier Gain 11303.464

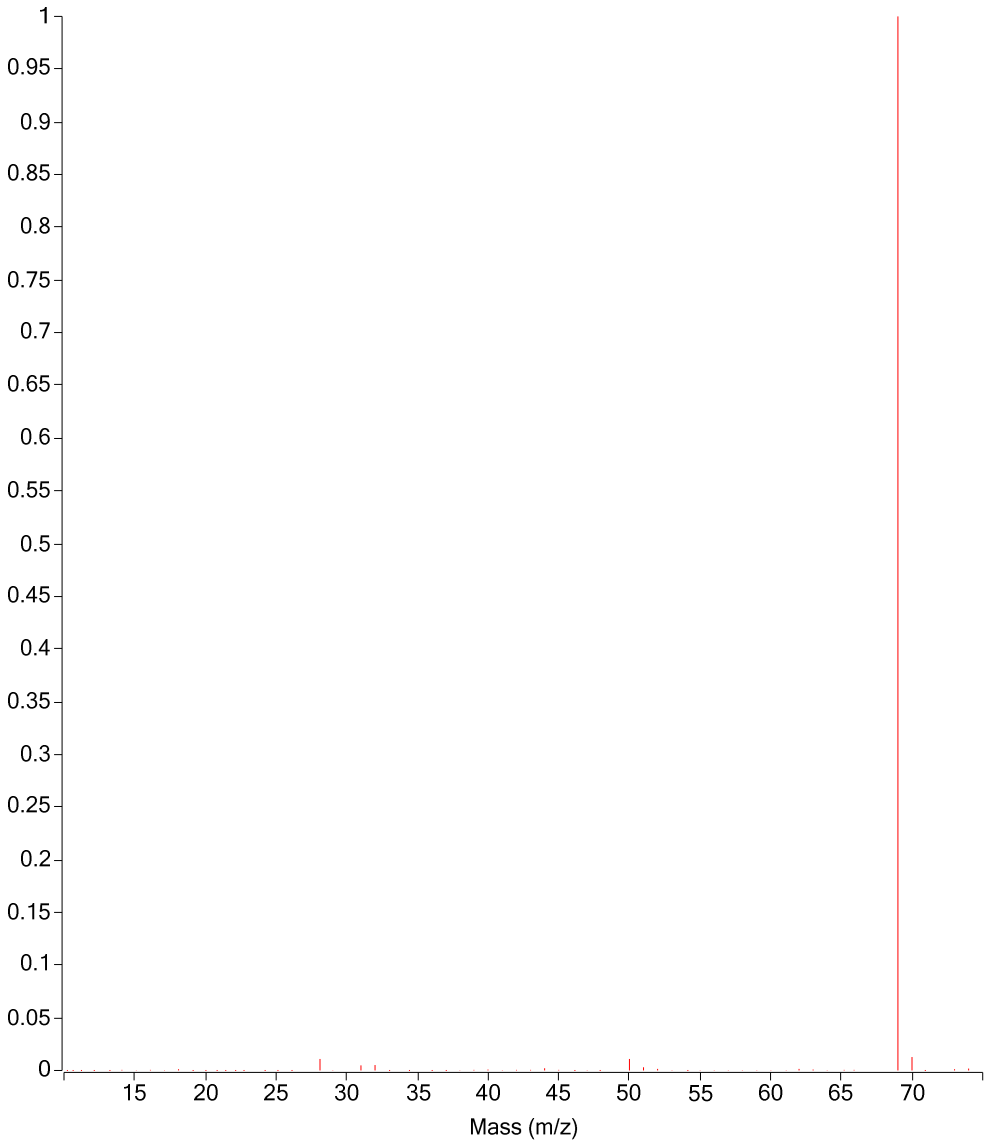
Repeller maximum 35 volts using ion 219; Gain Factor 0.1130

Mass Gain Values(Scan Speed): 95(3) 101(2) 107(1) 118(0) 170(FS1) 169(FS2) 158(FS3)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	137.4	137.4	137.4	137.4	137.4	137.4	137.4
Entrance Lens Offset	13.7	13.7	13.7	13.7	13.7	13.7	13.7

597x Air and Water Check

Instrument: GCMS #4
Mon May 19 10:52:35 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: HES_Atune.u

Relative abundances:

18/69 =	0.13	Water%	(counts=1003)
28/69 =	1.11	Nitrogen%	(counts=8779)
32/69 =	0.52	Oxygen%	(counts=4157)
44/69 =	0.22	Carbon Dioxide%	(counts=1718)
28/18 =	875.27	Nitrogen/Water%	

Instrument Name : GCMS #4
DC Polarity : Positive
Filament 1
Current Vacuum status :High Vacuum: 5.88E-06 Torr Turbo:100%

BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	219.00	OK
Position of mass 502	502.00	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	220.00	OK
Position of isotope mass 503	503.00	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.22	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.71	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.27	OK
Ratio of 219 to 69 should be > 40% and is	83.25	OK
Ratio of 502 to 69 should be > 2.4% and is	4.64	OK
Mass 69 Precursor (<= 3%)	0.83	OK
Mass 219 Precursor (<= 6%)	2.39	OK
Mass 502 Precursor (<= 12%)	3.88	OK

597x Air and Water Check
Mon May 19 11:05:48 2025 Instrument: GCMS #4
D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.15	OK
Ratio of 28 to 69 (<10%)	2.28	OK
Electron Multiplier Voltage	2192	OK

Tune portion of System Verification passed.

Brazoria County Crime Lab Area Percent Report

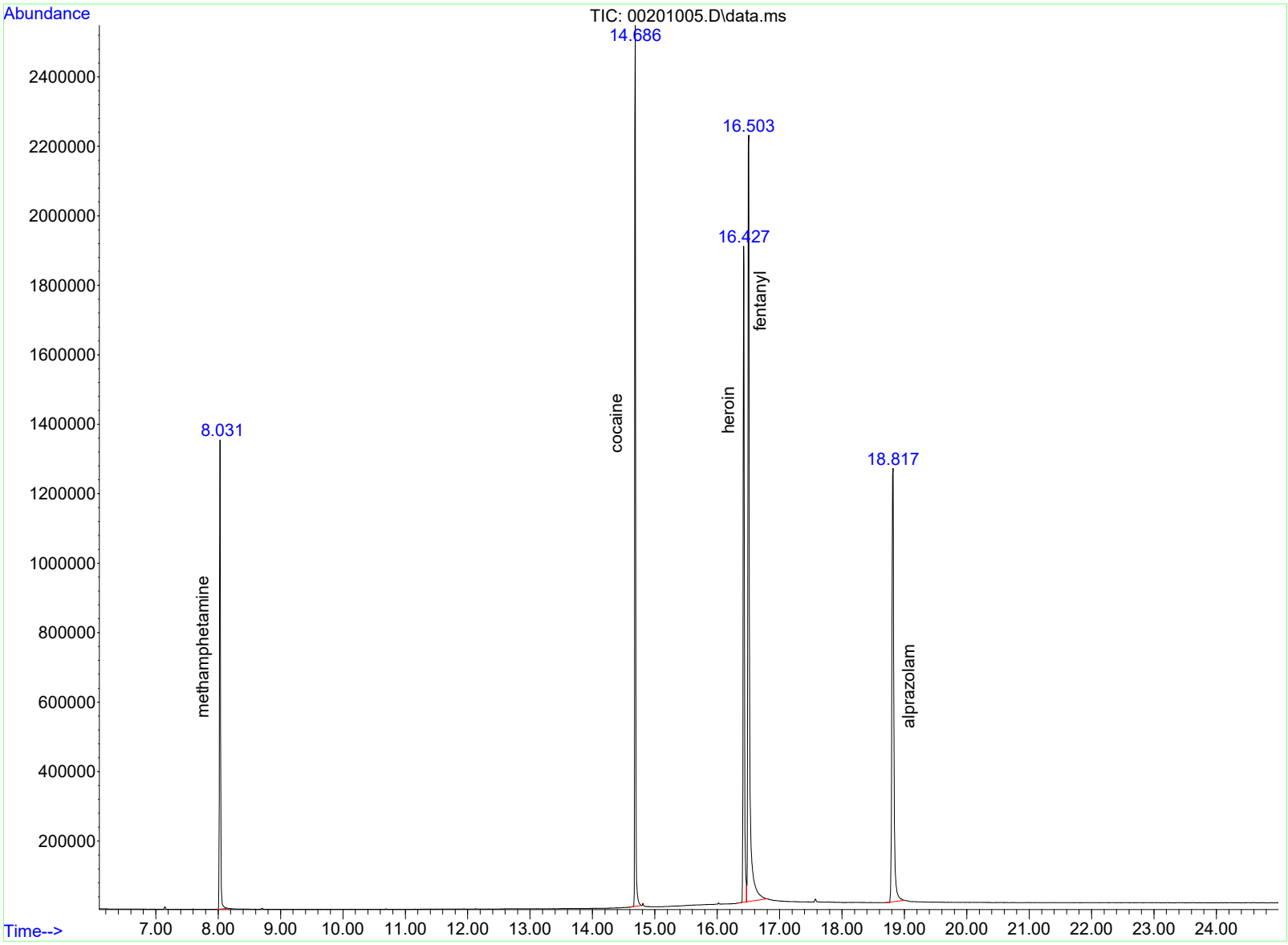
Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\2025 Data\051925\00201005.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : AGILENT 4
Acq On : 19 May 2025 12:33
Sample : Cayman GC/MS mix 3 (R-24-060)
Misc : in ACN
ALS Vial : 2
ExpBcode : 000002669
ActBcode : 000002669

Signal : TIC: 00201005.D\data.ms

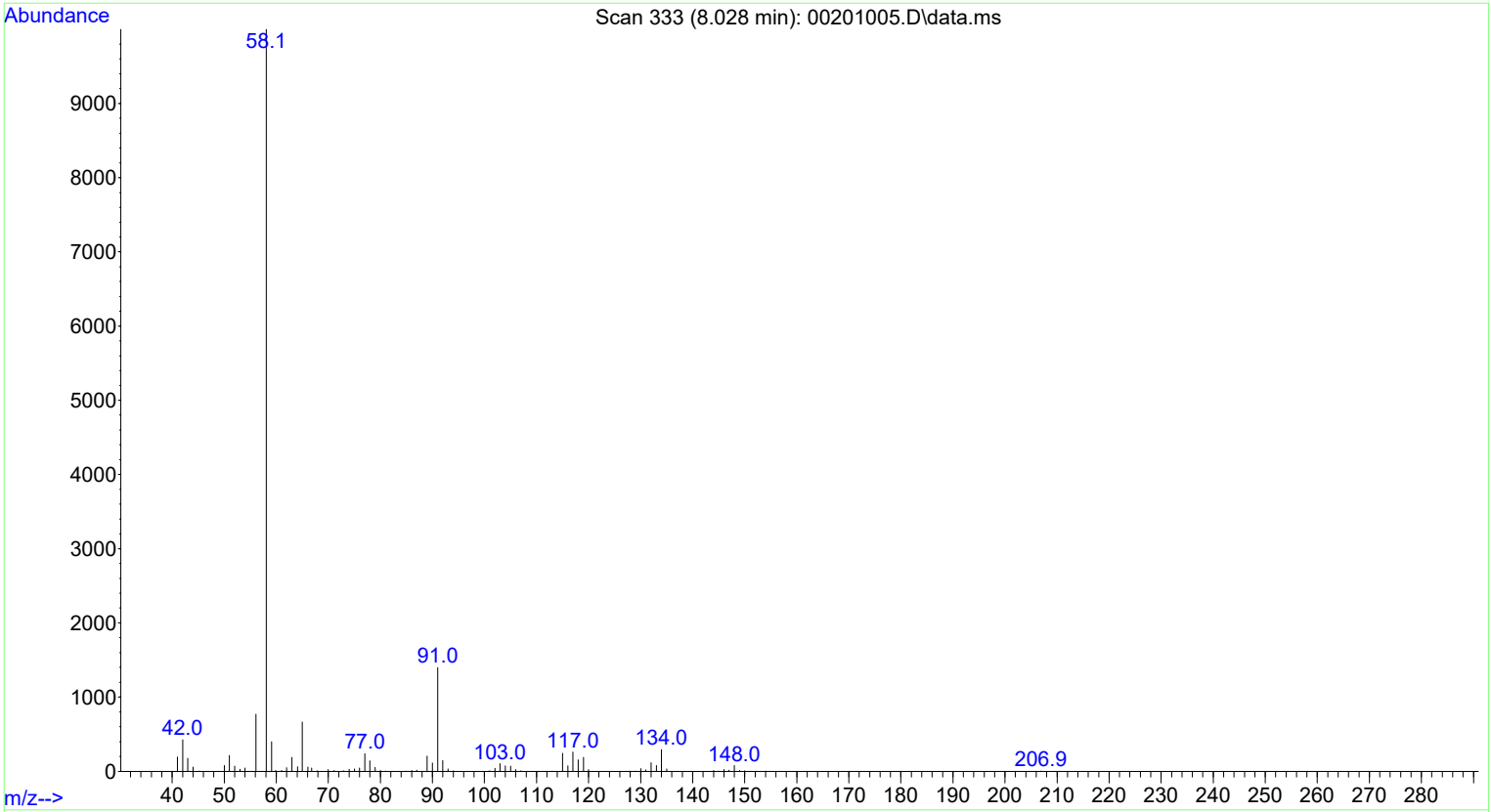
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.031	326	334	355	BB	1271807	16289594	40.03%	11.811%
2	14.686	1460	1475	1494	BV	2450336	26736825	65.70%	19.385%
3	16.427	1759	1774	1781	BV	1860700	26417562	64.92%	19.154%
4	16.503	1781	1787	1837	VB	2230097	40695462	100.00%	29.506%
5	18.817	2165	2184	2217	BB 2	1244927	27784342	68.27%	20.145%

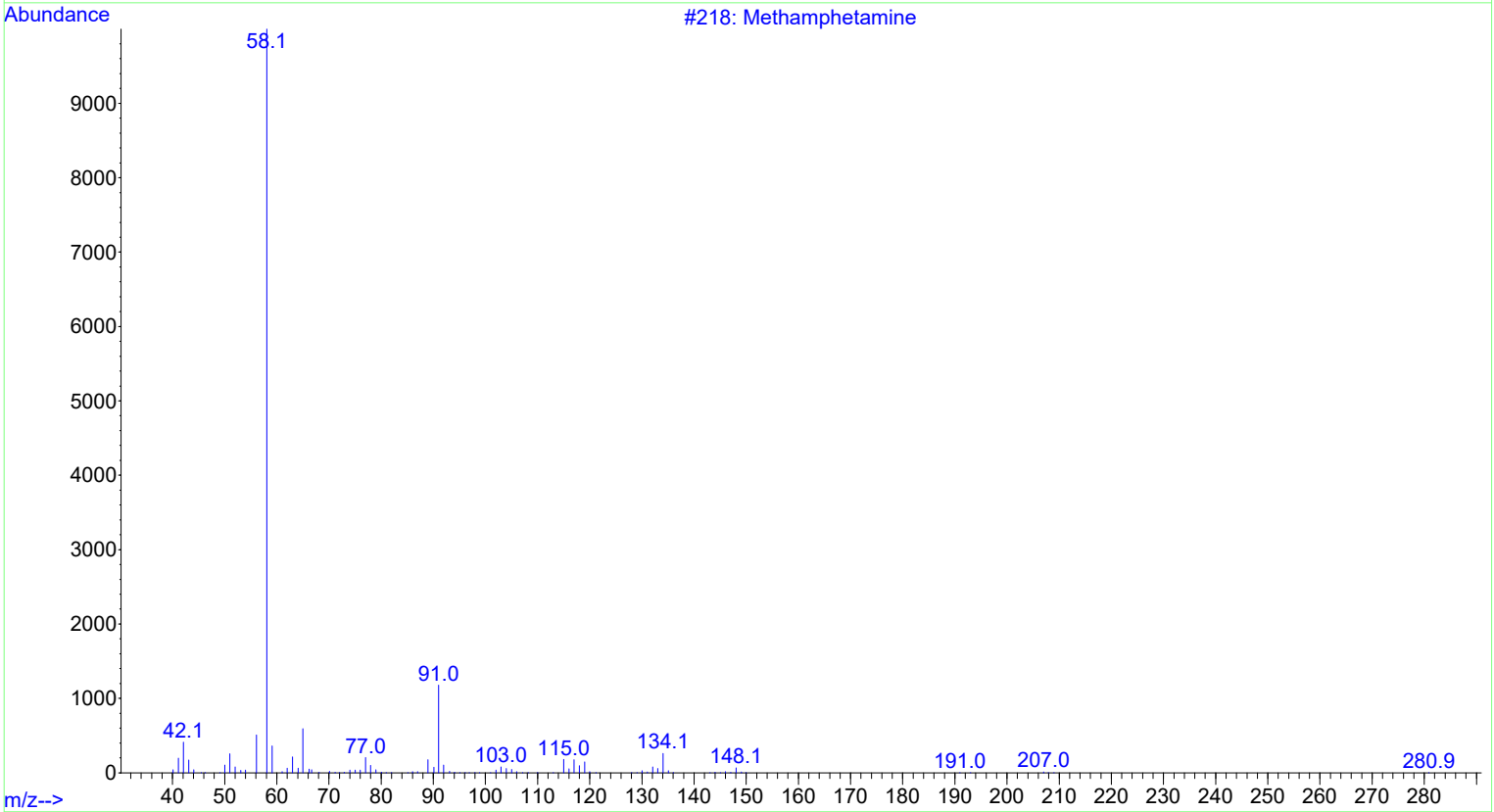
Sum of corrected areas: 137923786

DrugTest35MS.M Mon May 19 12:59:01 2025 DRUGS

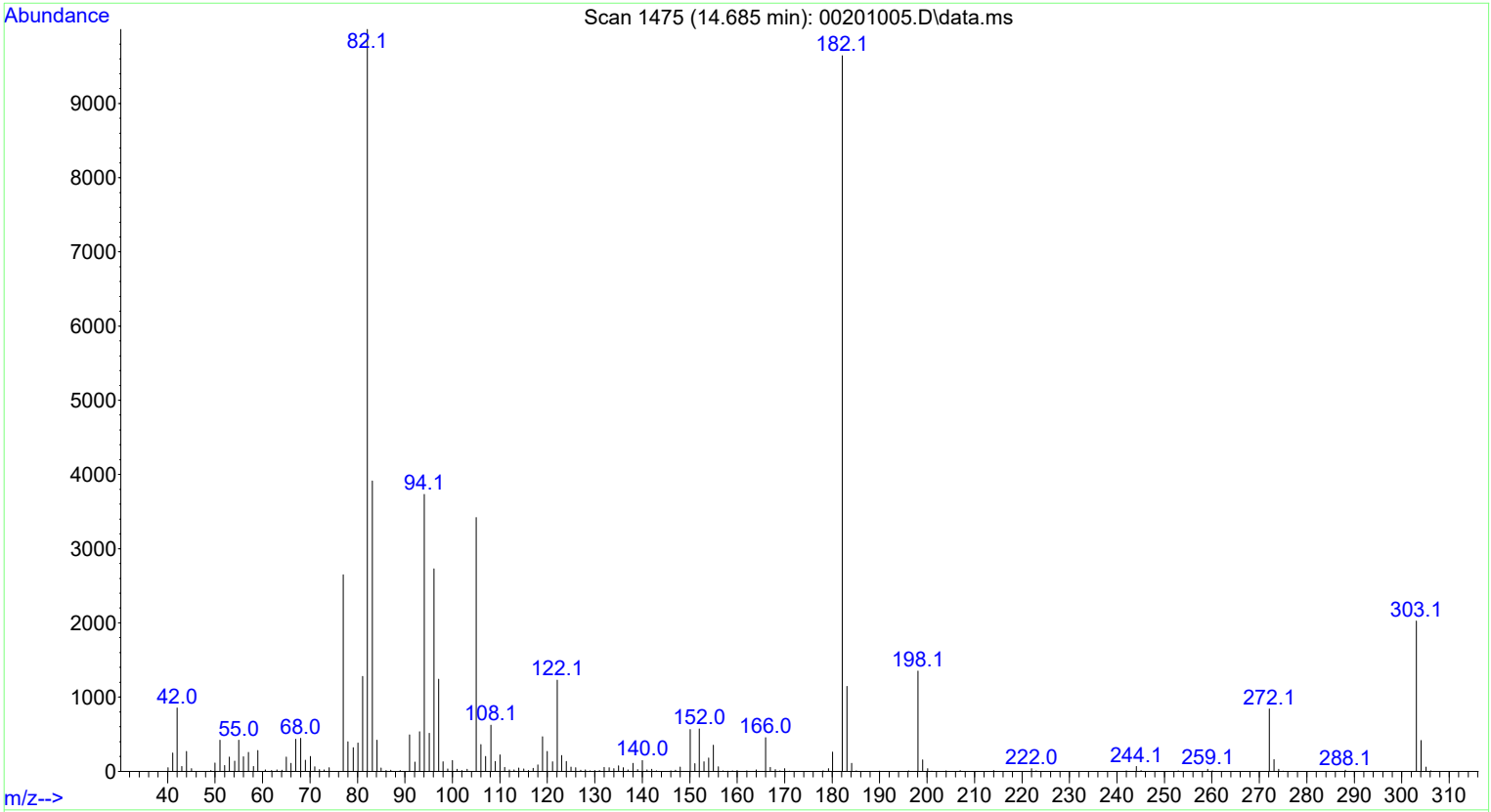


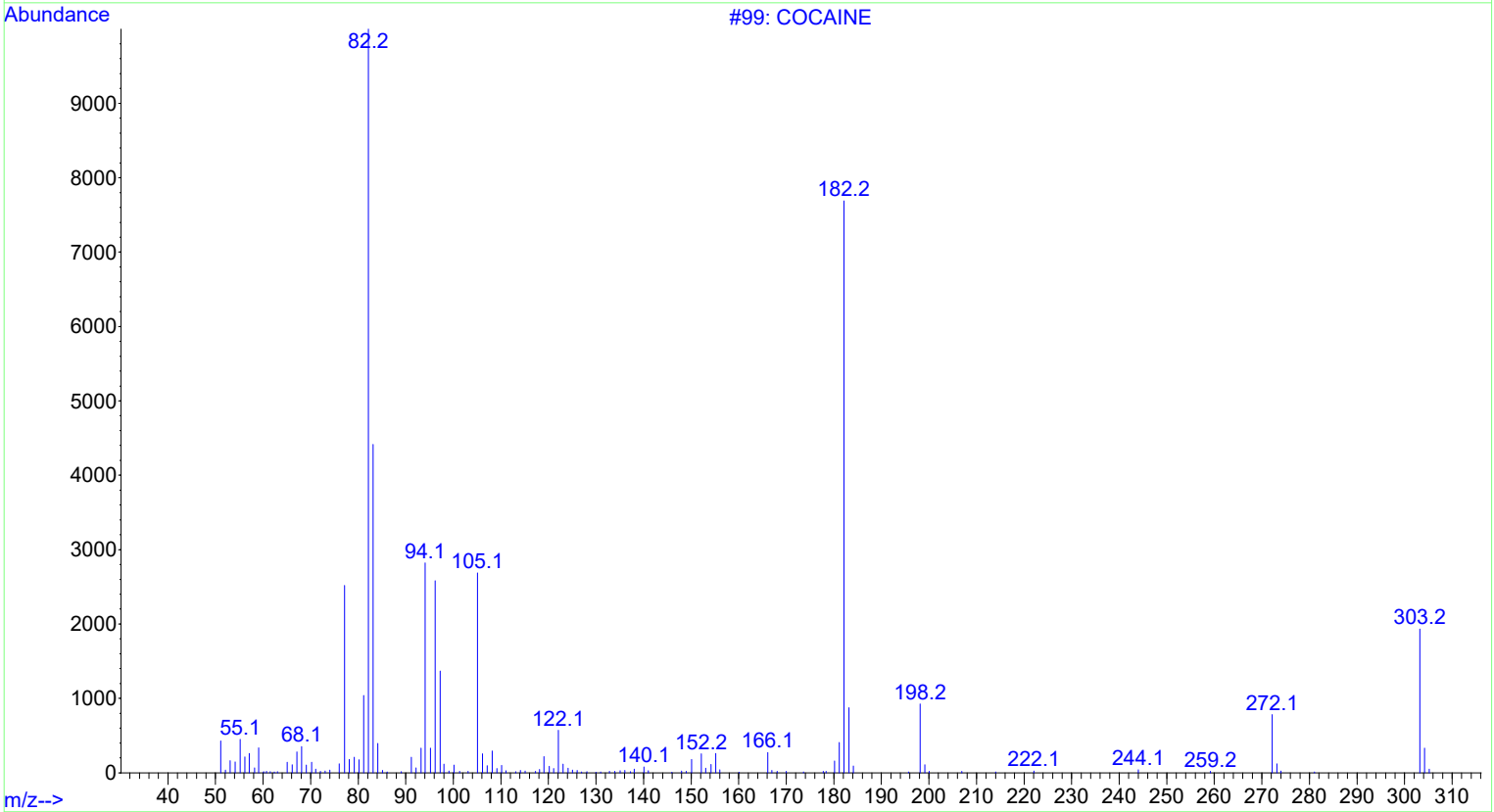
File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\051925\00201005.D
Acquired : 19 May 2025 12:33 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2



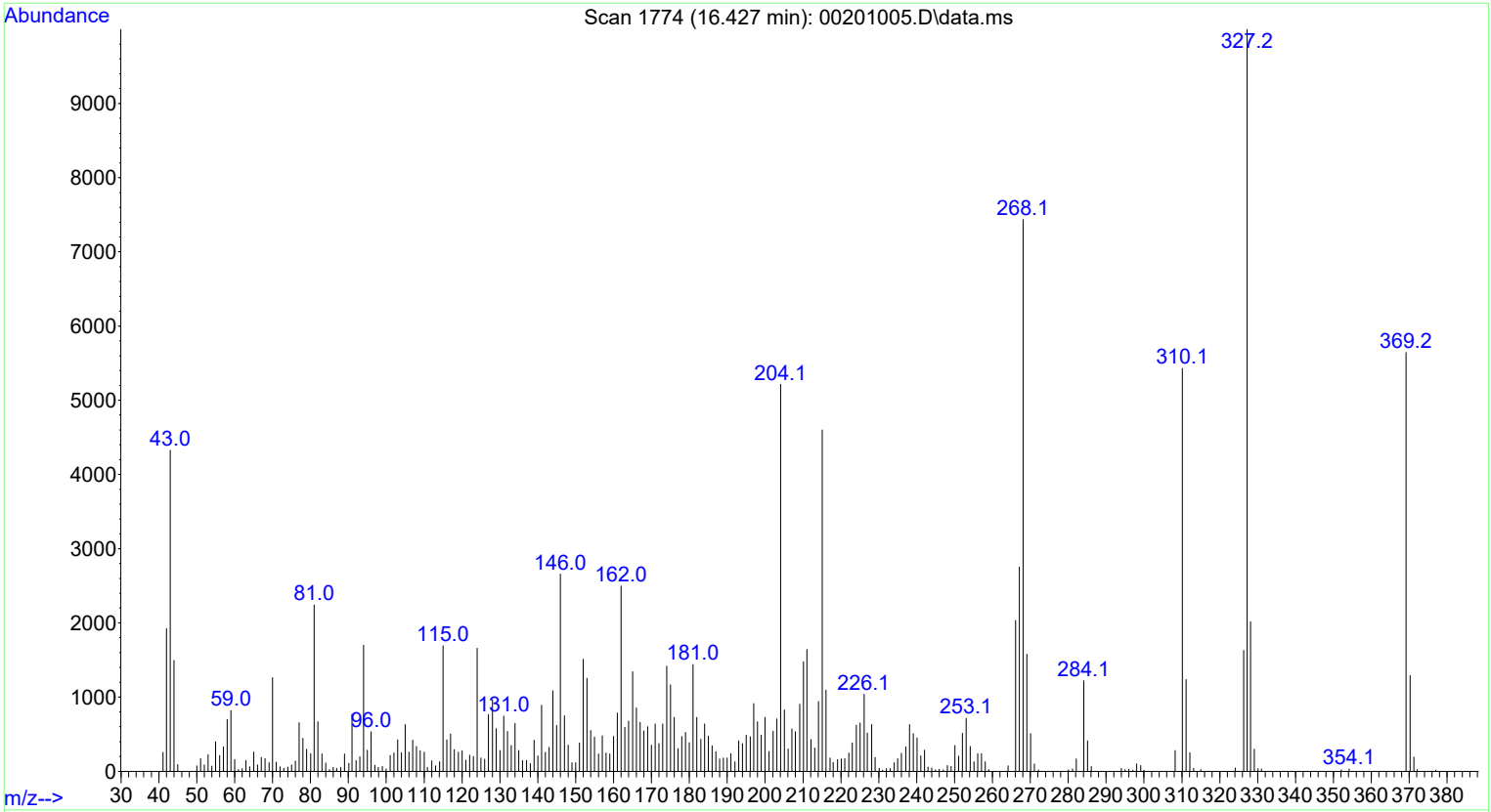


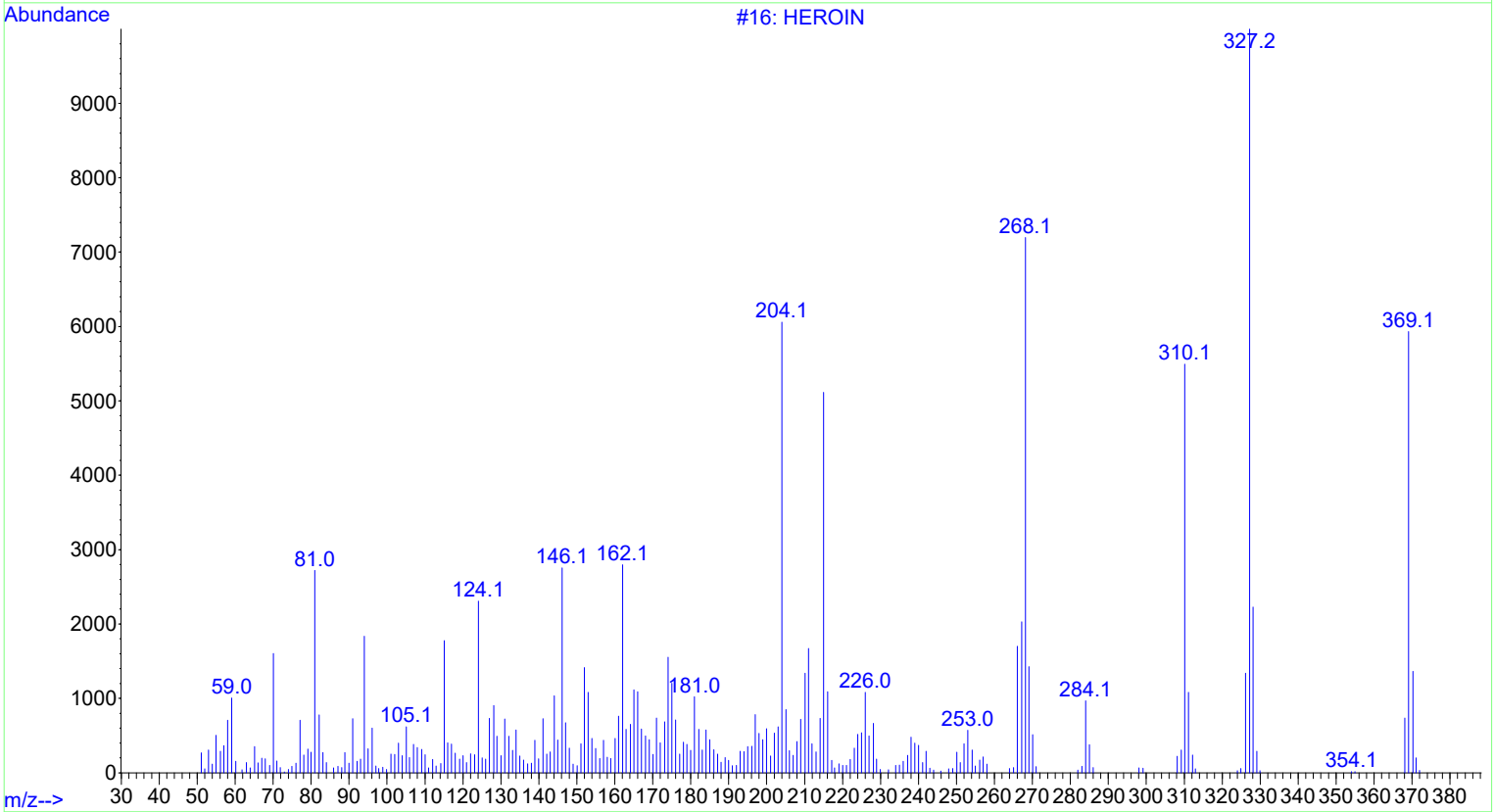
File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\051925\00201005.D
Acquired : 19 May 2025 12:33 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2



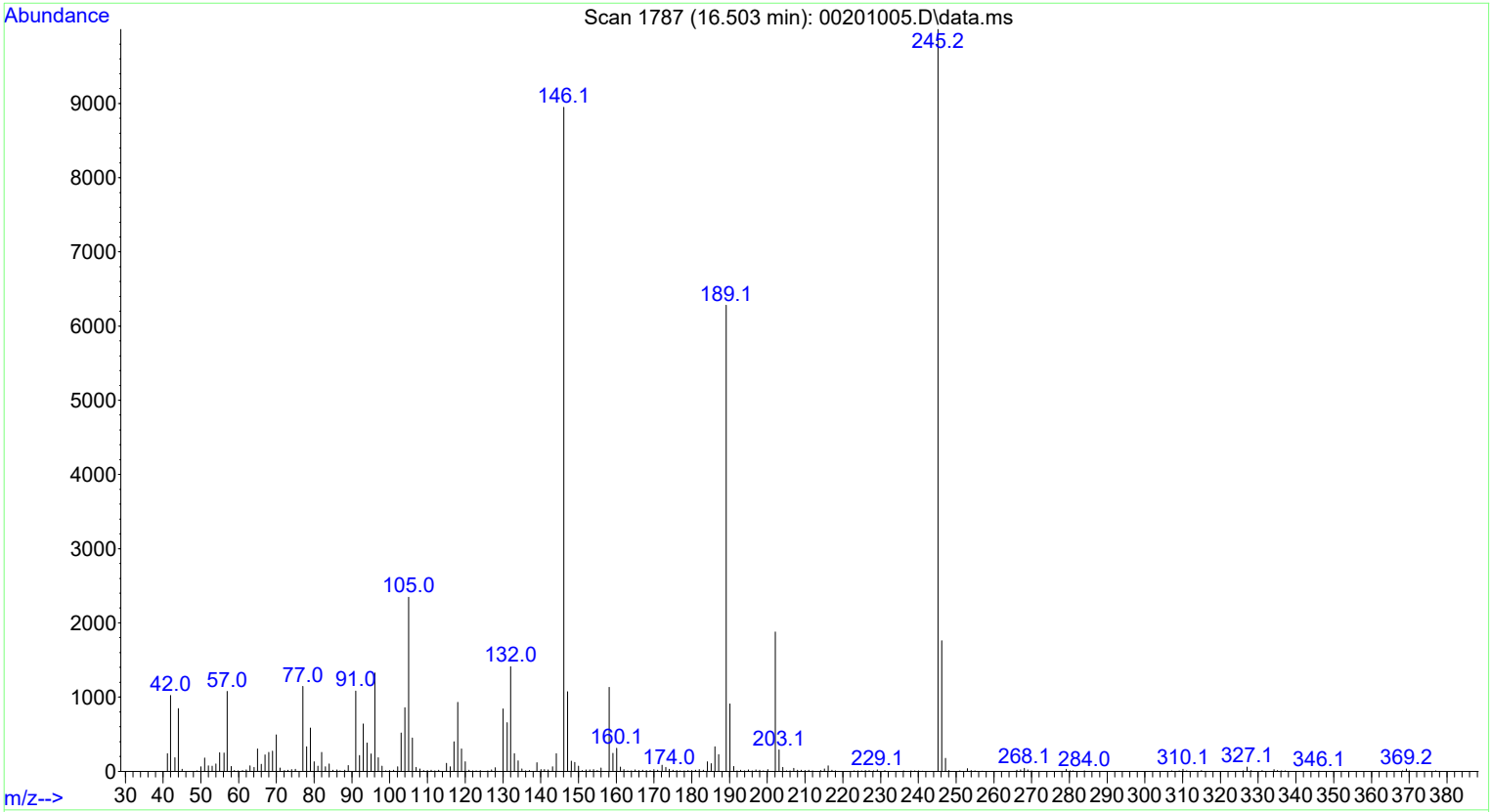


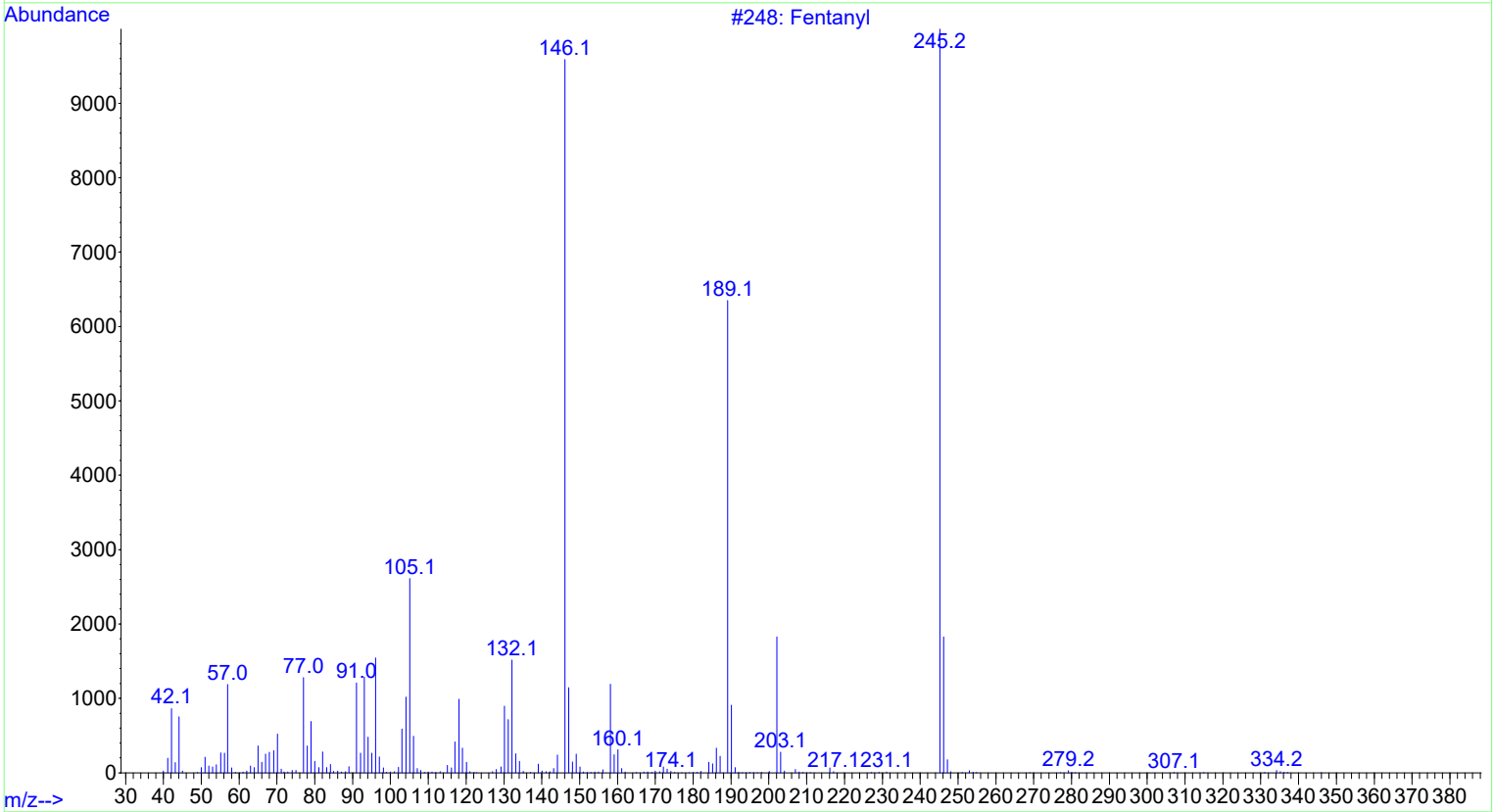
File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\051925\00201005.D
Acquired : 19 May 2025 12:33 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2



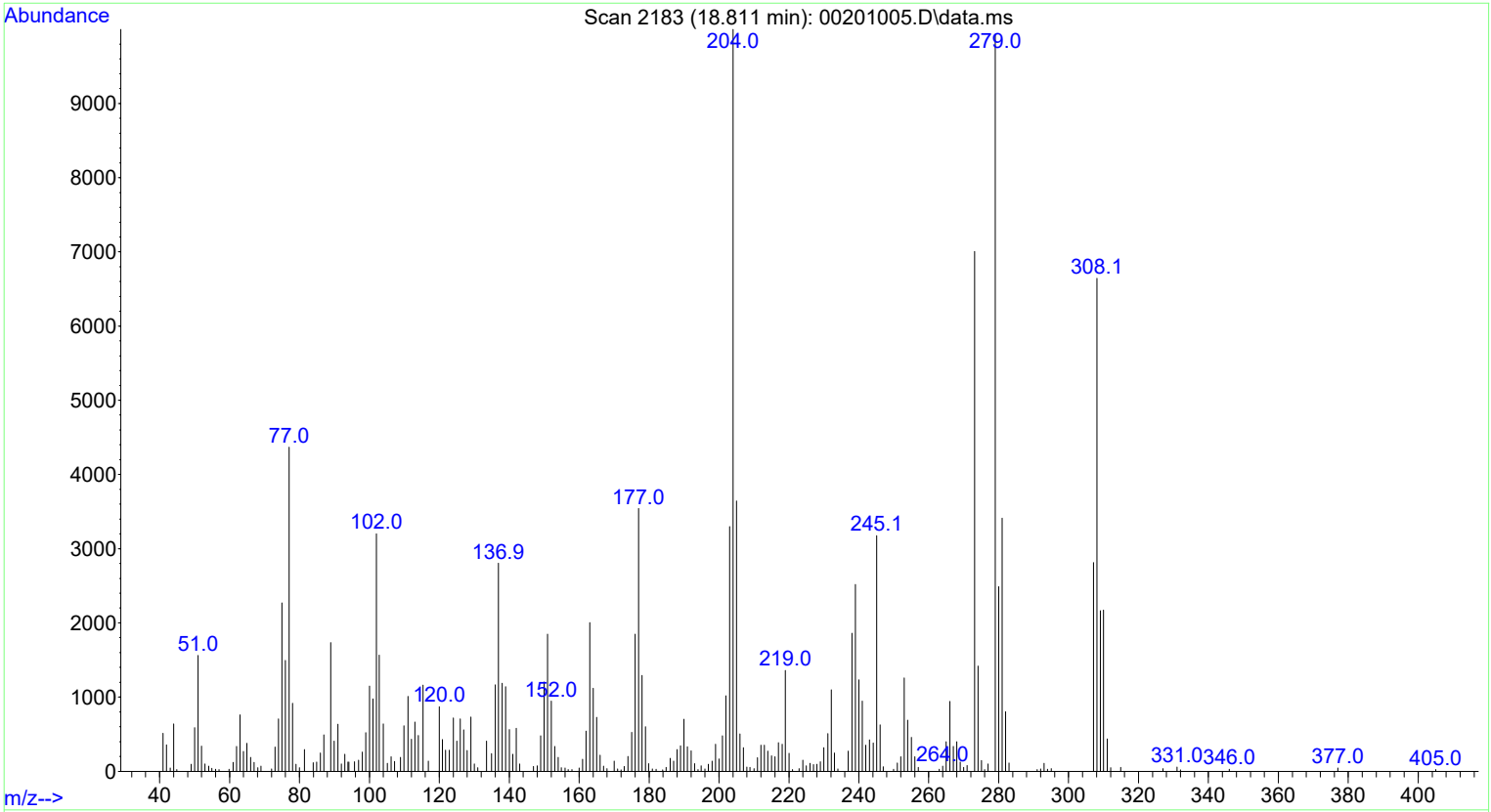


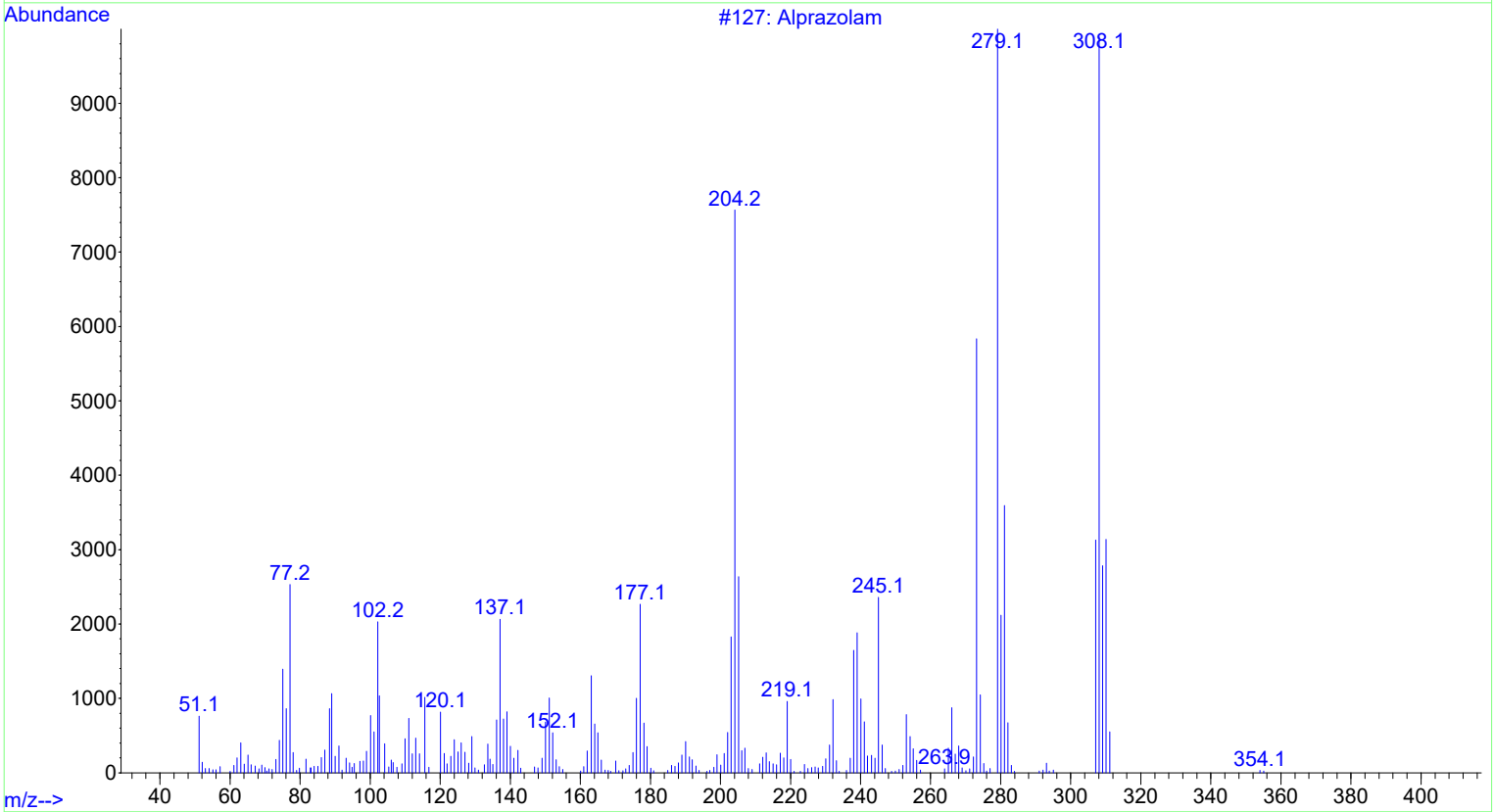
File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\051925\00201005.D
Acquired : 19 May 2025 12:33 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2





File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\051925\00201005.D
Acquired : 19 May 2025 12:33 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2





Brazoria County Crime Lab Area Percent Report

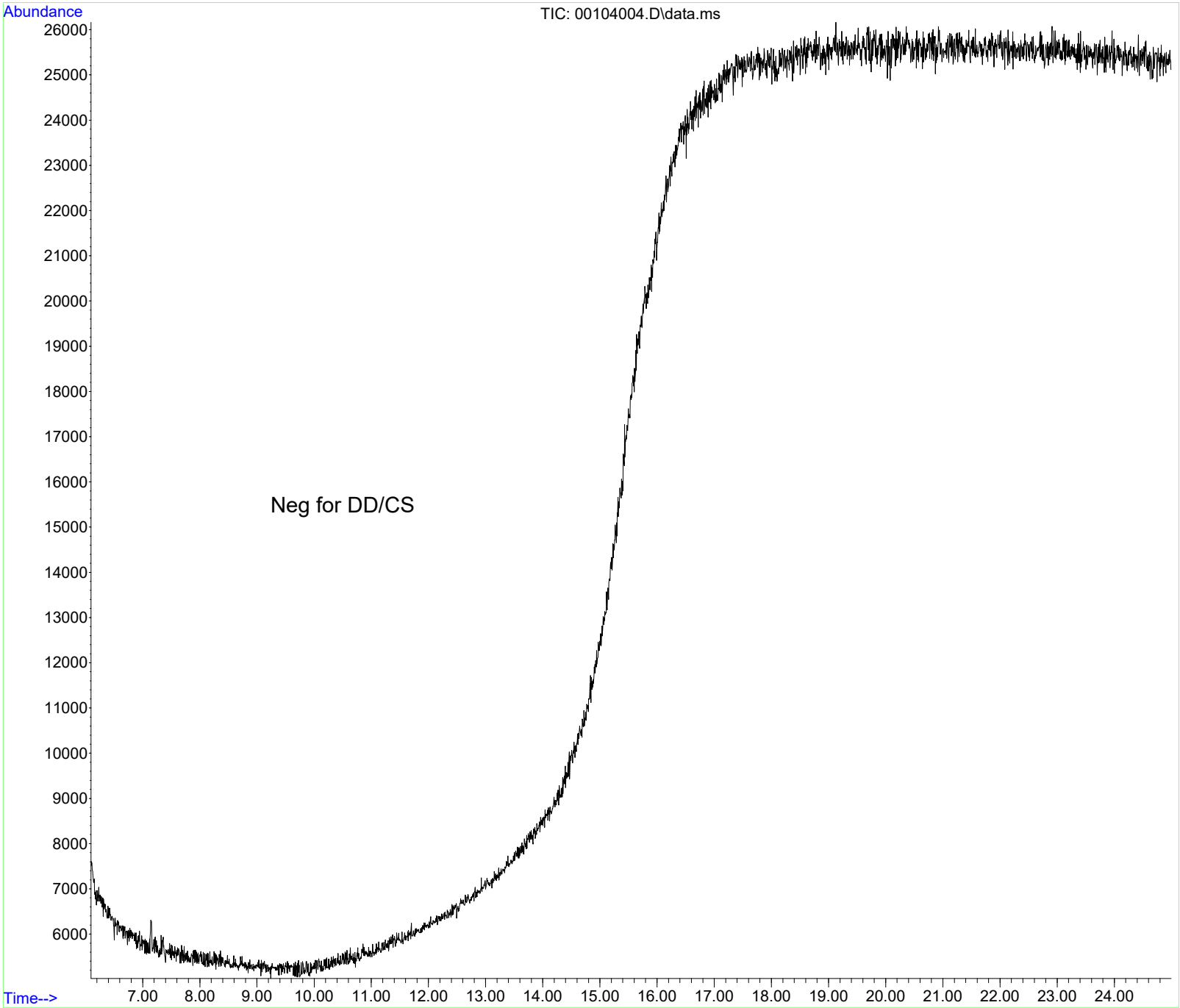
Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\2025 Data\051925\00104004.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : AGILENT 4
Acq On : 19 May 2025 12:04
Sample : BLANK (C-19-0068) prior to Cayman GC/MS mix 3 (R-24-060)
Misc : ACN
ALS Vial : 1
ExpBcode : 000002668
ActBcode : 000002668

Signal : TIC: 00104004.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

No peaks were detected using the method integration parameters!

DrugTest35MS.M Mon May 19 12:29:32 2025 DRUGS



Brazoria County Crime Lab Area Percent Report

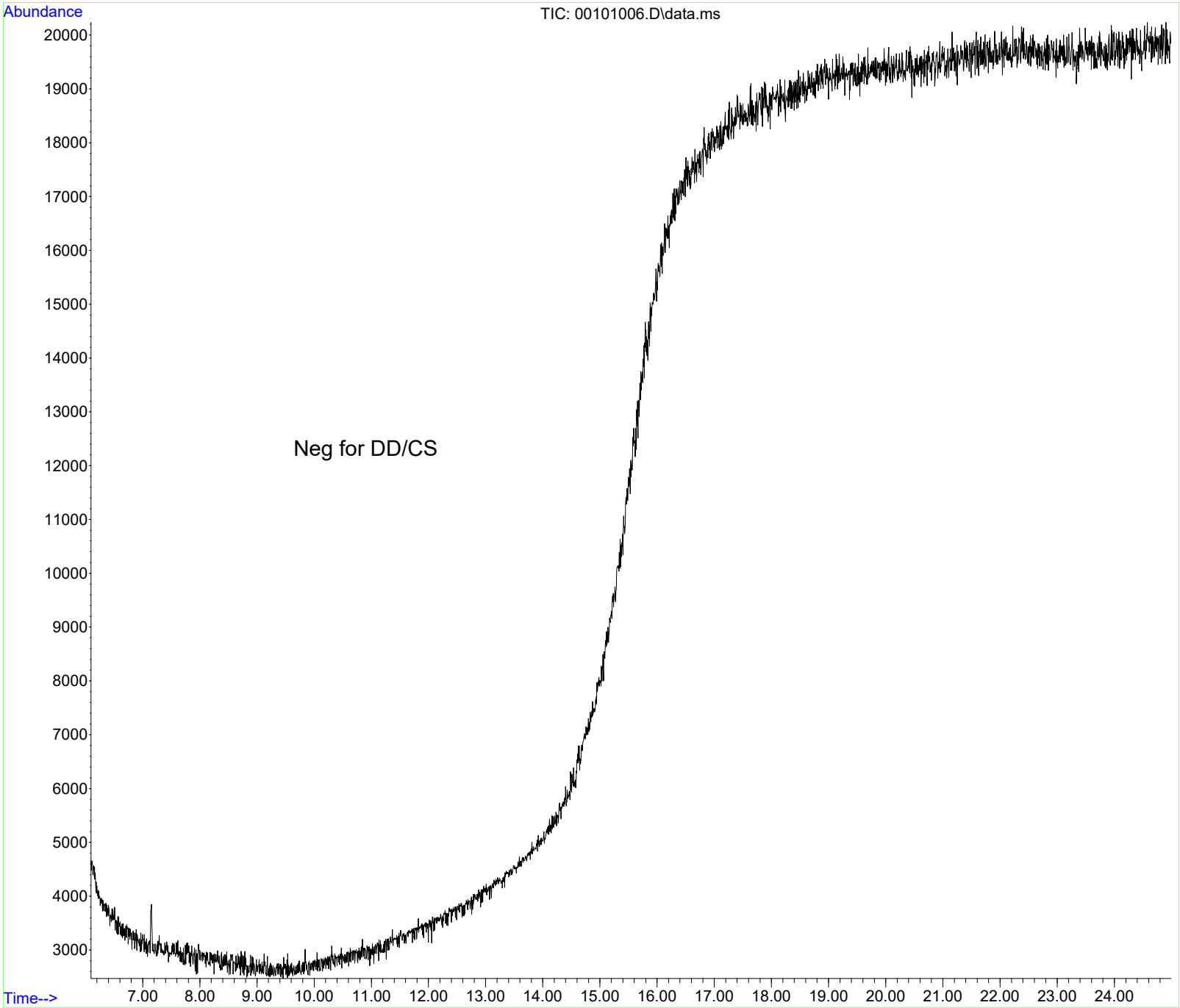
Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\2025 Data\051925\00101006.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : AGILENT 4
Acq On : 19 May 2025 13:02
Sample : Blank (C-19-0068) - Instrument ready
Misc : ACN
ALS Vial : 1
ExpBcode : 000002668
ActBcode : 000002668

Signal : TIC: 00101006.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

No peaks were detected using the method integration parameters!

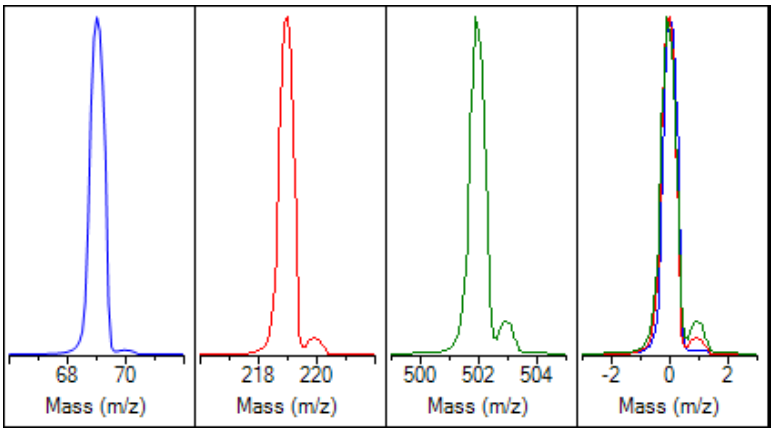
DrugTest35MS.M Mon May 19 13:27:46 2025 DRUGS



High Efficiency Source Autotune - 5977

Tune timestamp: 5/27/2025 7:54 AM (UTC-05:00) GCMS #4

D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002



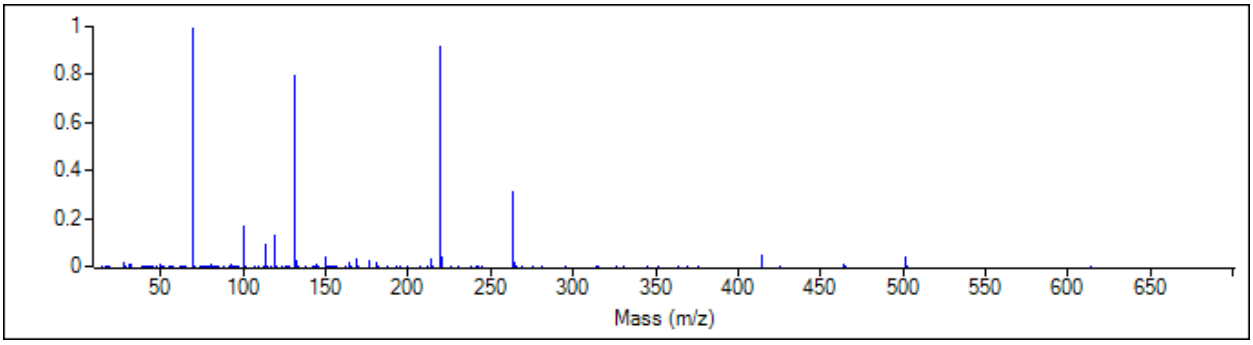
Ion Polarity	Pos	PFTBA	Open
Emission	100.0	Mass Gain	84
Electron Energy	70.0	Mass Offset	-27
Filament	1	Amu Gain	2451
Repeller	12.60	Amu Offset	138.13
Ion Focus	149.6	Width219	0.001
Entrance Lens	2.5	DC Polarity	Pos
Ent Lens Offset	15.43	HED Enable	On
Ion Body	5.00	EM Volts	2255.3
Post Extractor 1	12	Extractor Lens	13.30
Post Extractor 2	33	Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	497,172	100.0%	0.59
219.00	463,118	93.2%	0.59
501.90	23,678	4.8%	0.62

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.28e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	128	69.00	467,456	1,868,880



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	467,456	100.0%	70.00	5,690	1.2%
219.00	219.00	430,912	92.2%	220.00	20,656	4.8%
502.00	502.00	21,184	4.5%	503.00	2,042	9.6%

Air/Water Check: H20 ~0.3% N2 ~2.3% O2 ~0.8% CO2 ~0.2% N2/H20 ~737.9%

Column(1) Flow: 0.70 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 128 volts using ion 502; Electron Multiplier Gain 12831.688

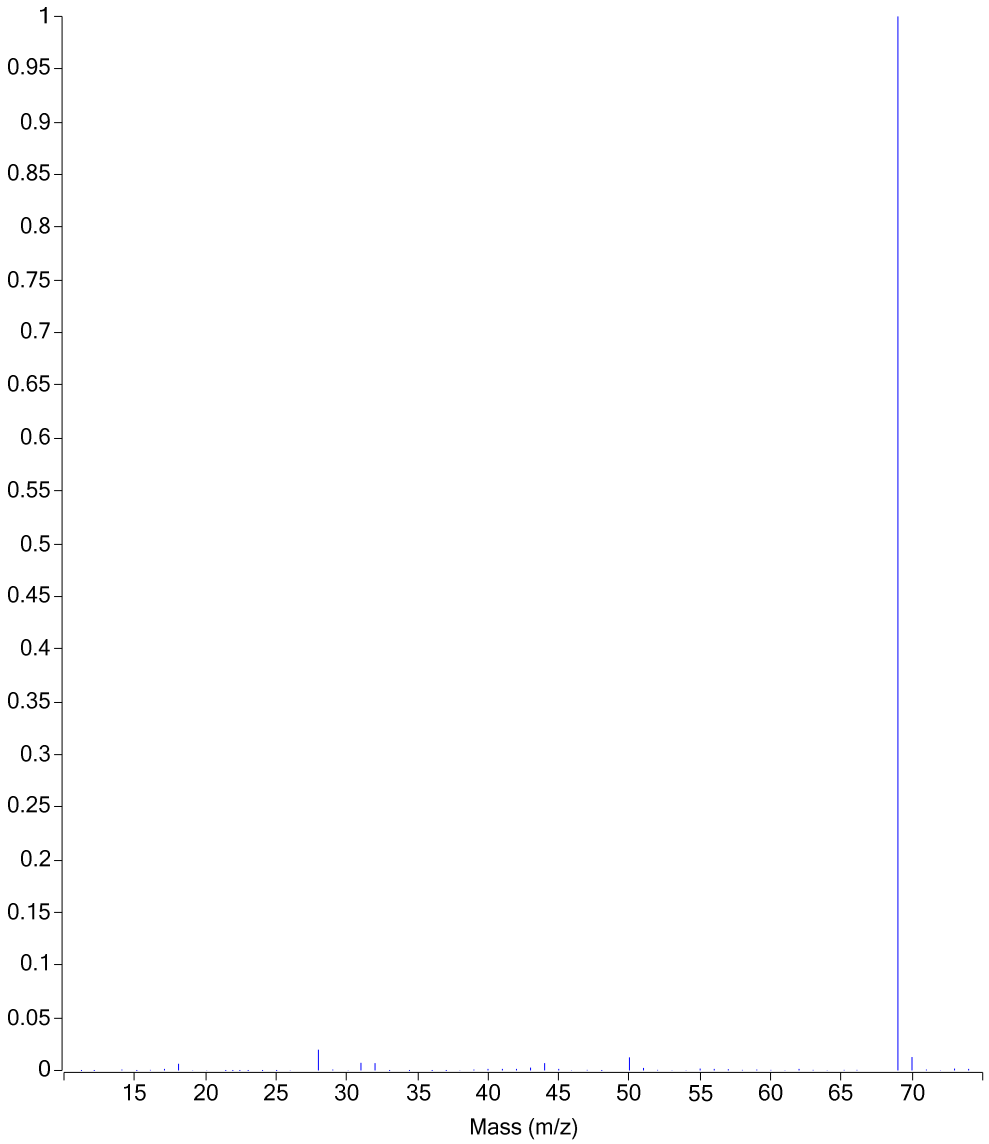
Repeller maximum 35 volts using ion 219; Gain Factor 0.1283

Mass Gain Values(Scan Speed): 93(3) 98(2) 106(1) 117(0) 169(FS1) 168(FS2) 168(FS3)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	138.1	138.1	138.1	138.1	138.1	138.1	138.1
Entrance Lens Offset	15.4	15.4	15.4	15.4	15.4	15.4	15.4

597x Air and Water Check

Instrument: GCMS #4
Tue May 27 07:23:21 2025 D:\MASSHUNTER\GCMS\1\5977\



Current Params used: HES_Atune.u

Relative abundances:

18/69 =	0.62	Water%	(counts=2651)
28/69 =	1.98	Nitrogen%	(counts=8420)
32/69 =	0.69	Oxygen%	(counts=2950)
44/69 =	0.69	Carbon Dioxide%	(counts=2928)
28/18 =	317.62	Nitrogen/Water%	

Instrument Name : GCMS #4
DC Polarity : Positive
Filament 1
Current Vacuum status :High Vacuum: 5.91E-06 Torr Turbo:100%

BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	219.00	OK
Position of mass 502	502.01	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	220.00	OK
Position of isotope mass 503	503.01	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.24	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.71	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.24	OK
Ratio of 219 to 69 should be > 40% and is	76.46	OK
Ratio of 502 to 69 should be > 2.4% and is	4.00	OK
Mass 69 Precursor (<= 3%)	0.75	OK
Mass 219 Precursor (<= 6%)	2.46	OK
Mass 502 Precursor (<= 12%)	3.97	OK

597x Air and Water Check
Tue May 27 07:59:22 2025 Instrument: GCMS #4
D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002

Testing for a leak in the system		
Ratio of 18 to 69 (<20%)	0.27	OK
Ratio of 28 to 69 (<10%)	2.23	OK
Electron Multiplier Voltage	2255	OK

Tune portion of System Verification passed.

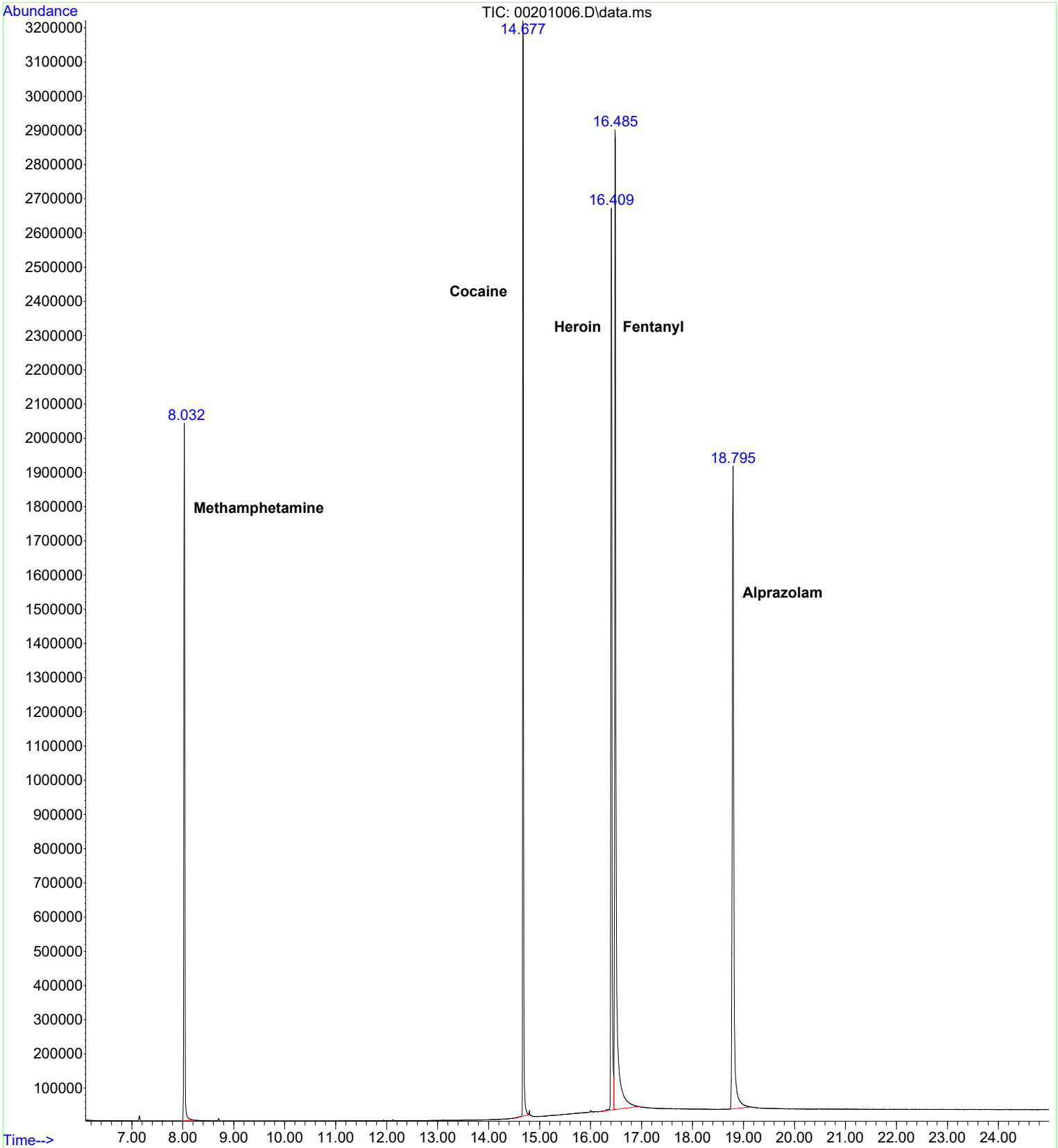
BCCL GC/MS #4
Retention Times for the Week of:

05/26/2025 - 06/01/2025

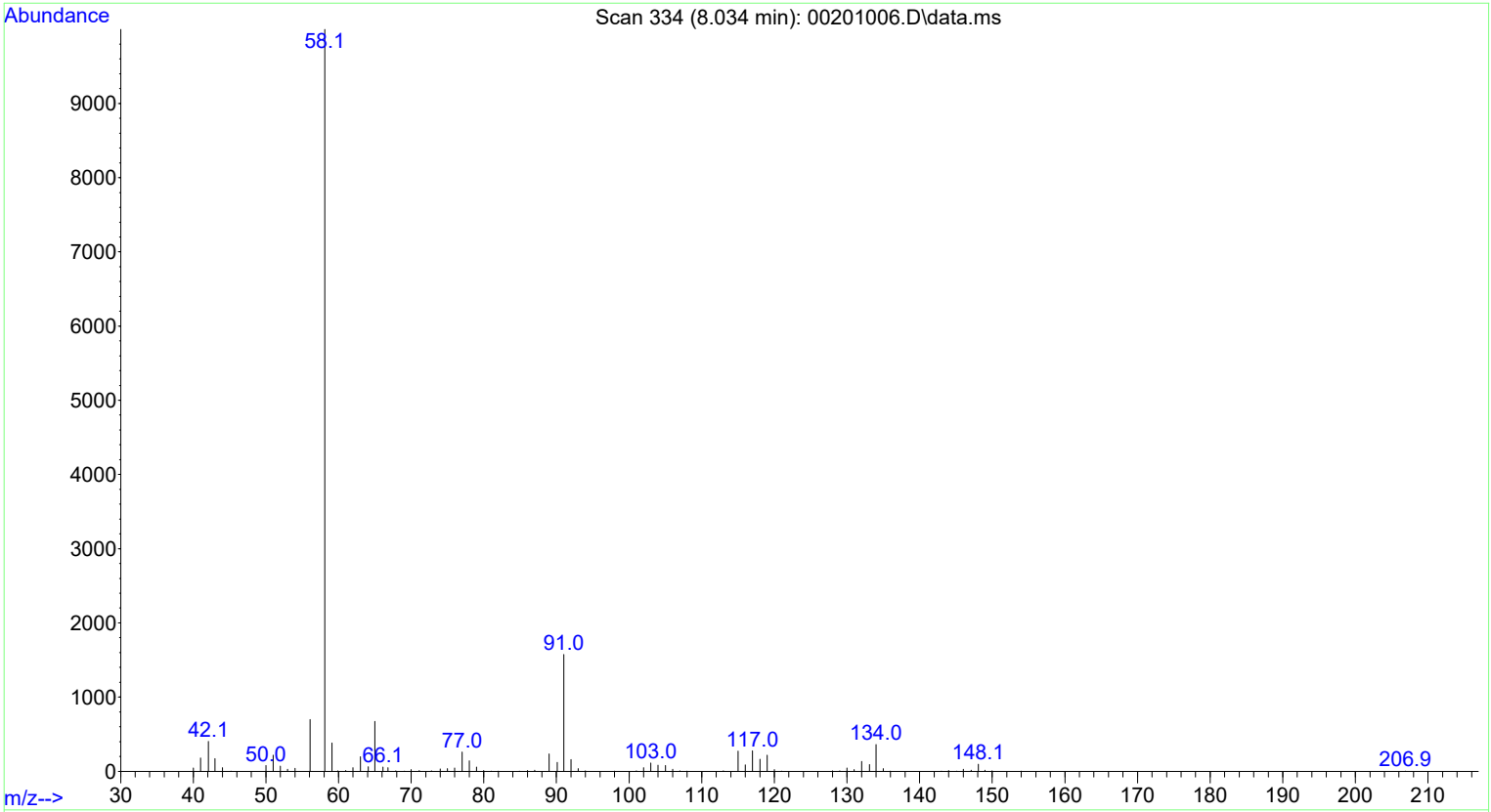
[X] **Tune: KB 05/27/2025 - HES Autotune**

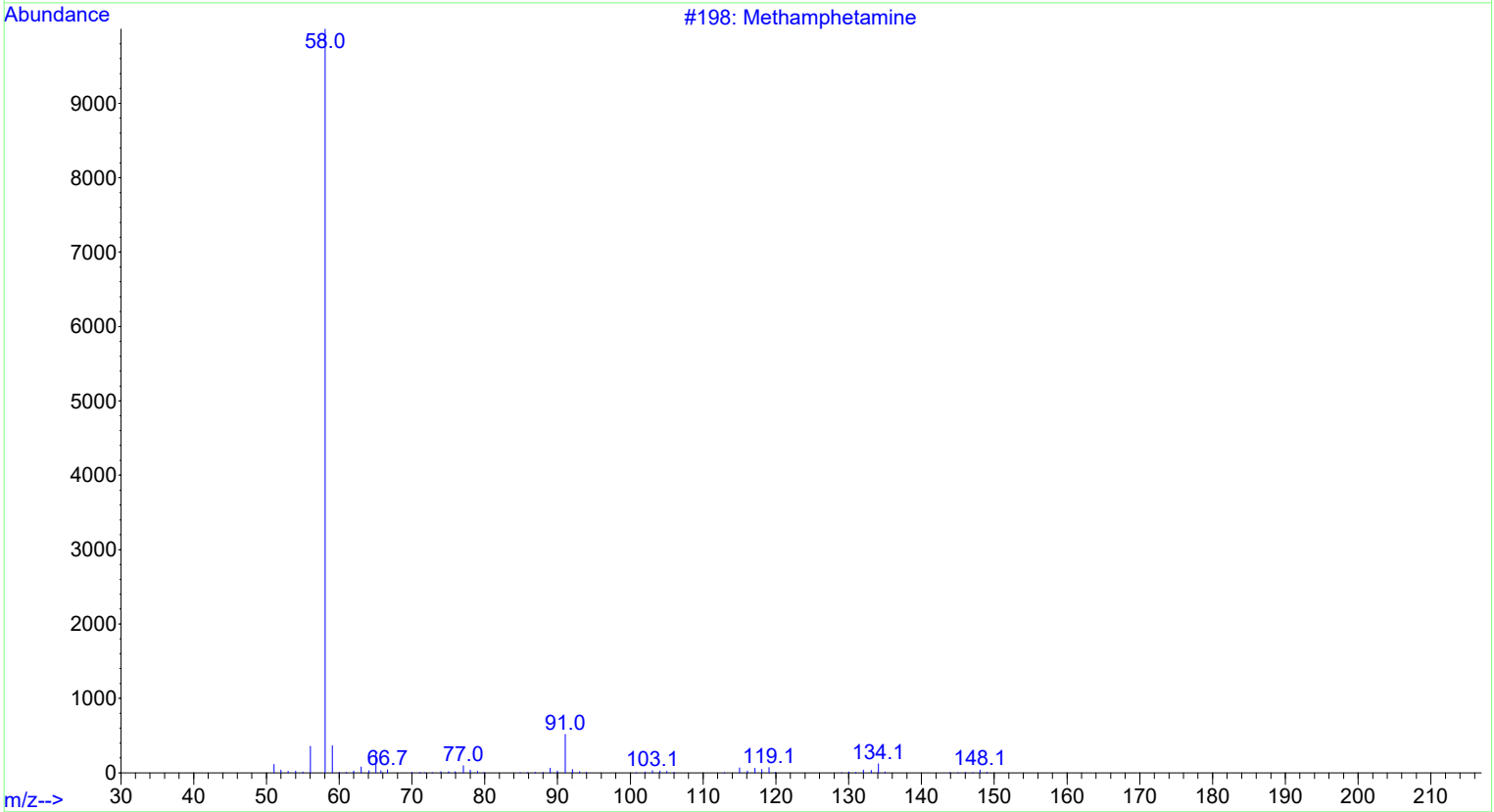
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-24-060	DrugTest35MS	8.032	7.951	8.112
Cocaine	R-24-060	DrugTest35MS	14.677	14.530	14.823
Heroin	R-24-060	DrugTest35MS	16.410	16.245	16.574
Fentanyl	R-24-060	DrugTest35MS	16.485	16.320	16.649
Alprazolam	R-24-060	DrugTest35MS	18.795	18.607	18.982

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
... 2025 Data\2nd qtr\052725\00201006.D
Acquired : 27 May 2025 10:29 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2

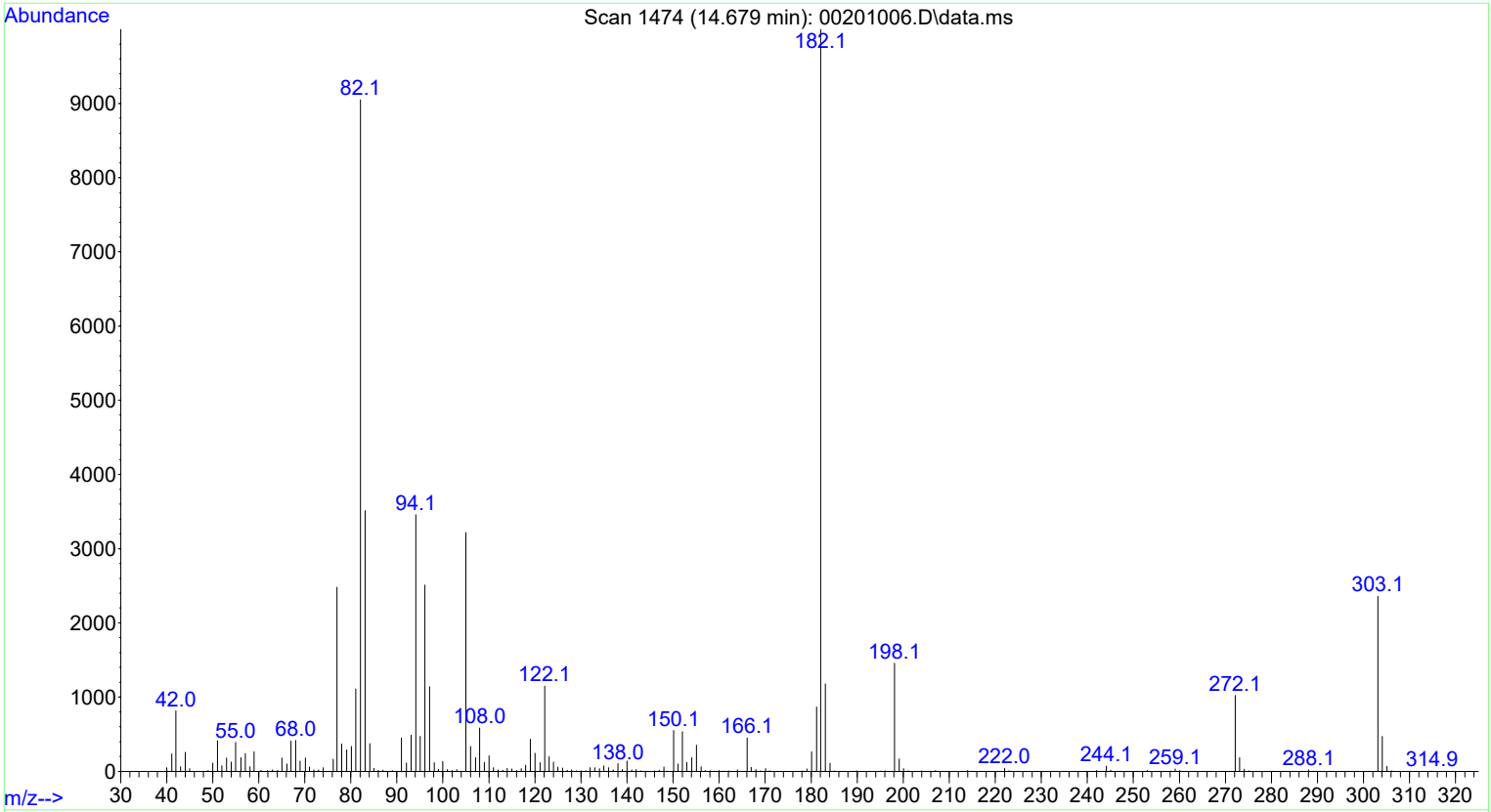


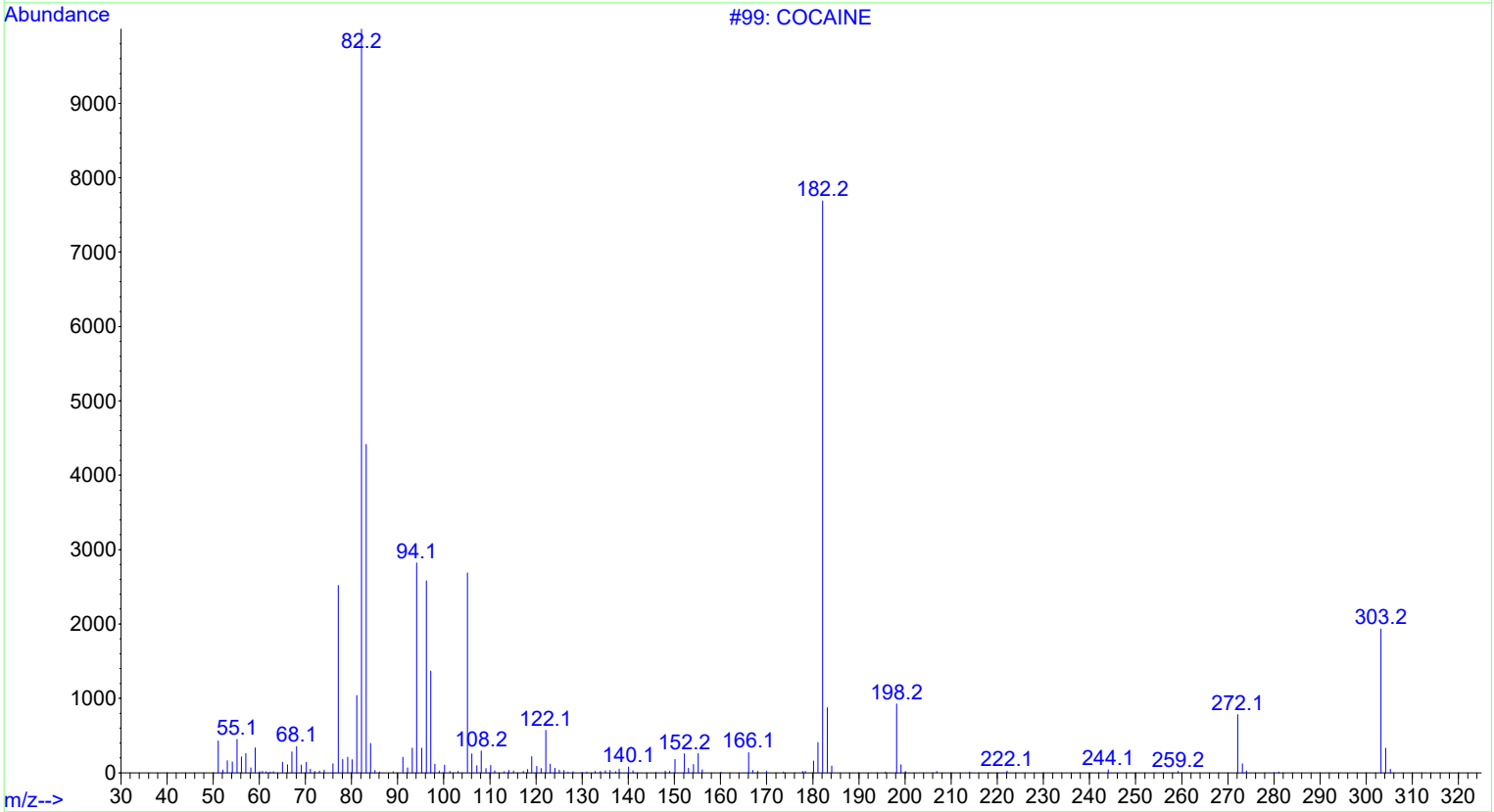
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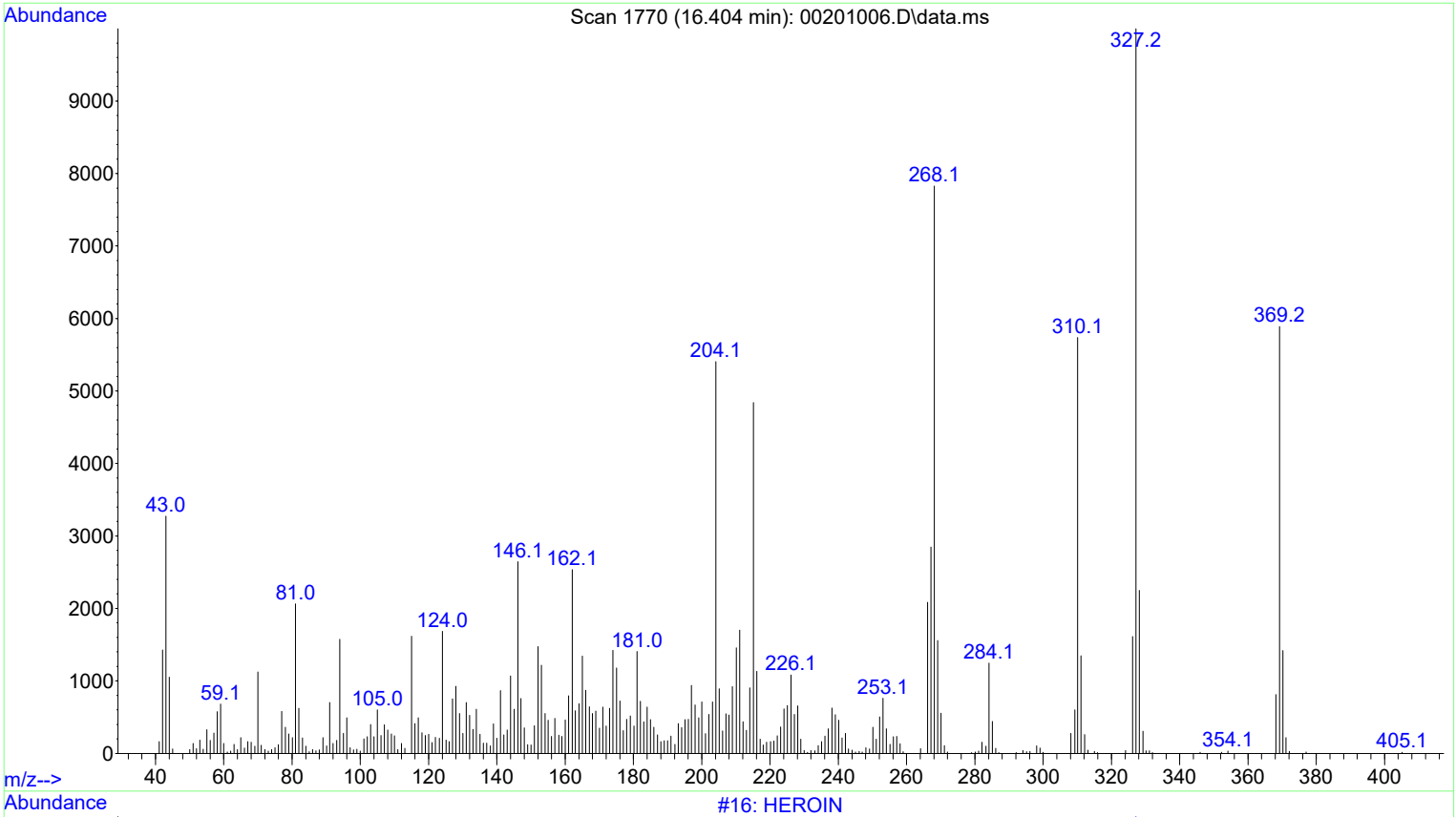


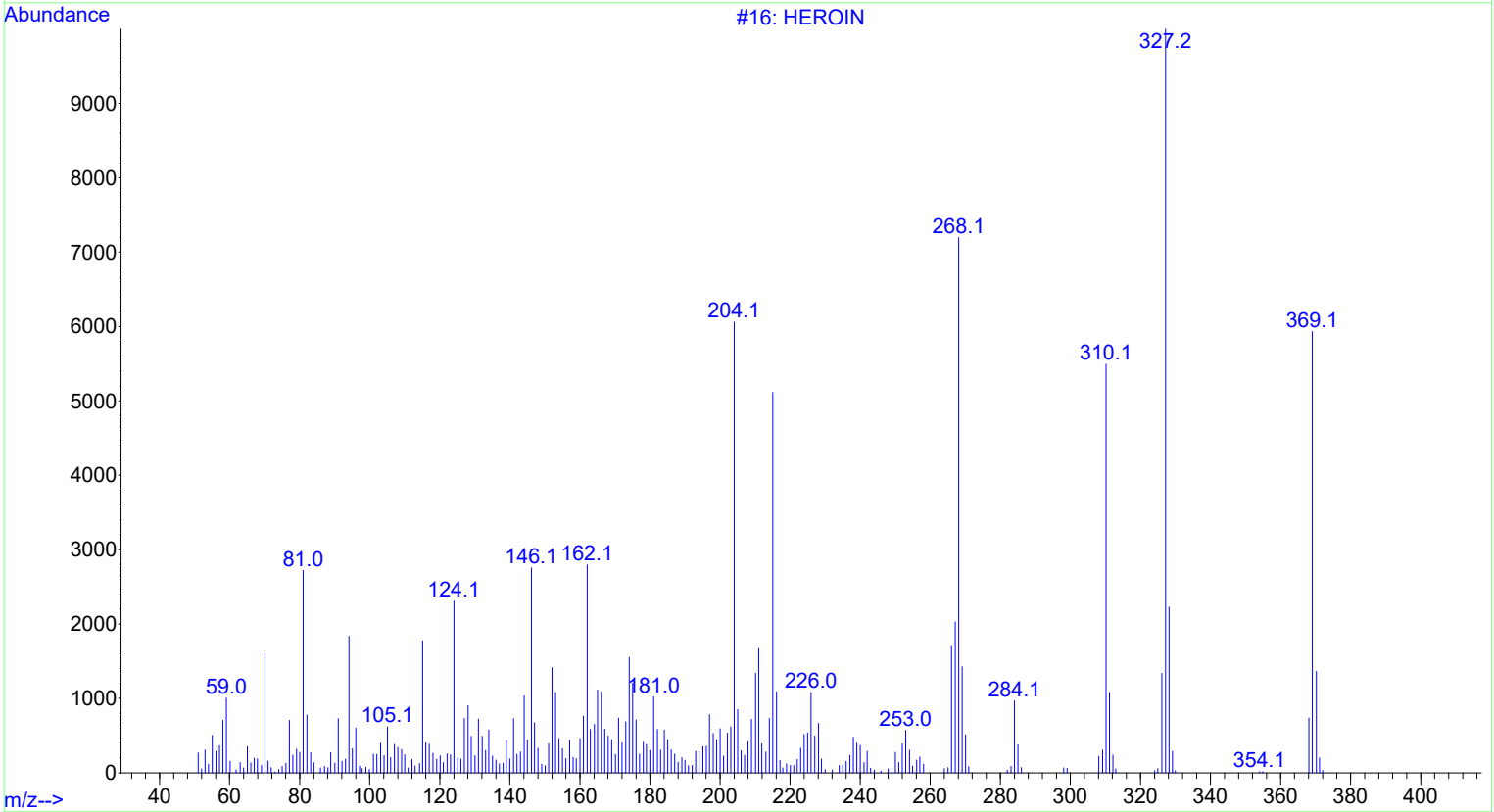
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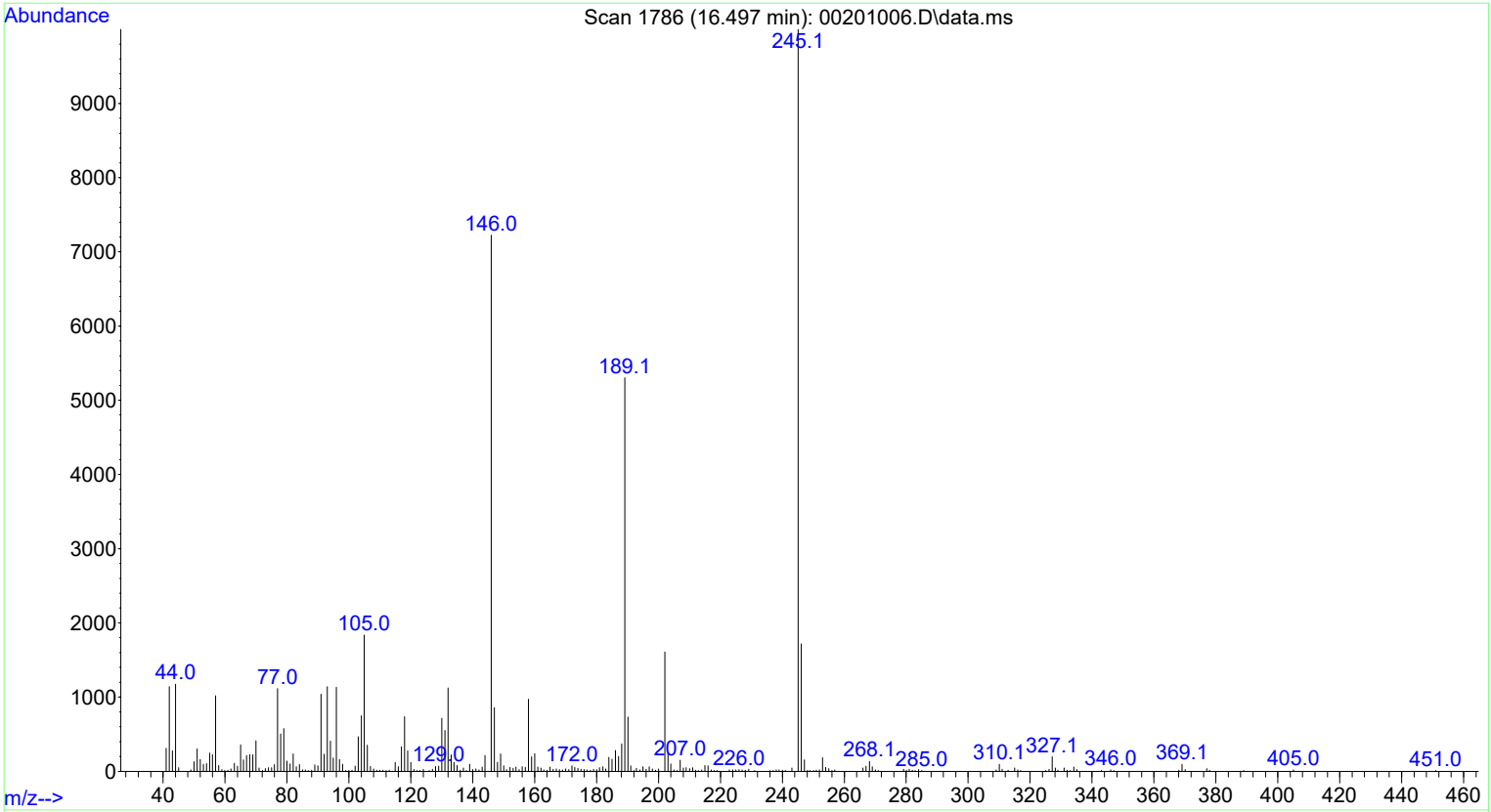


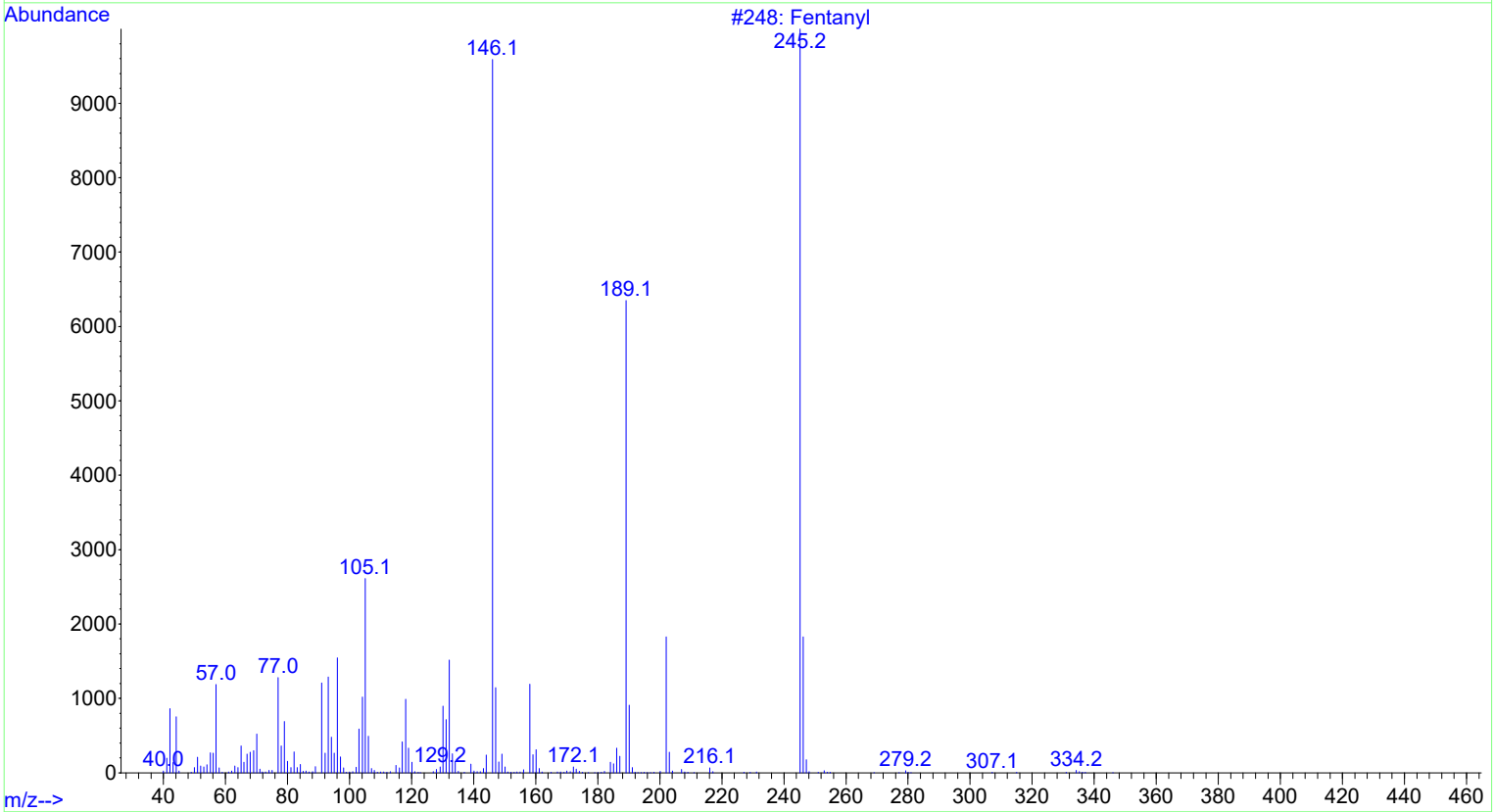
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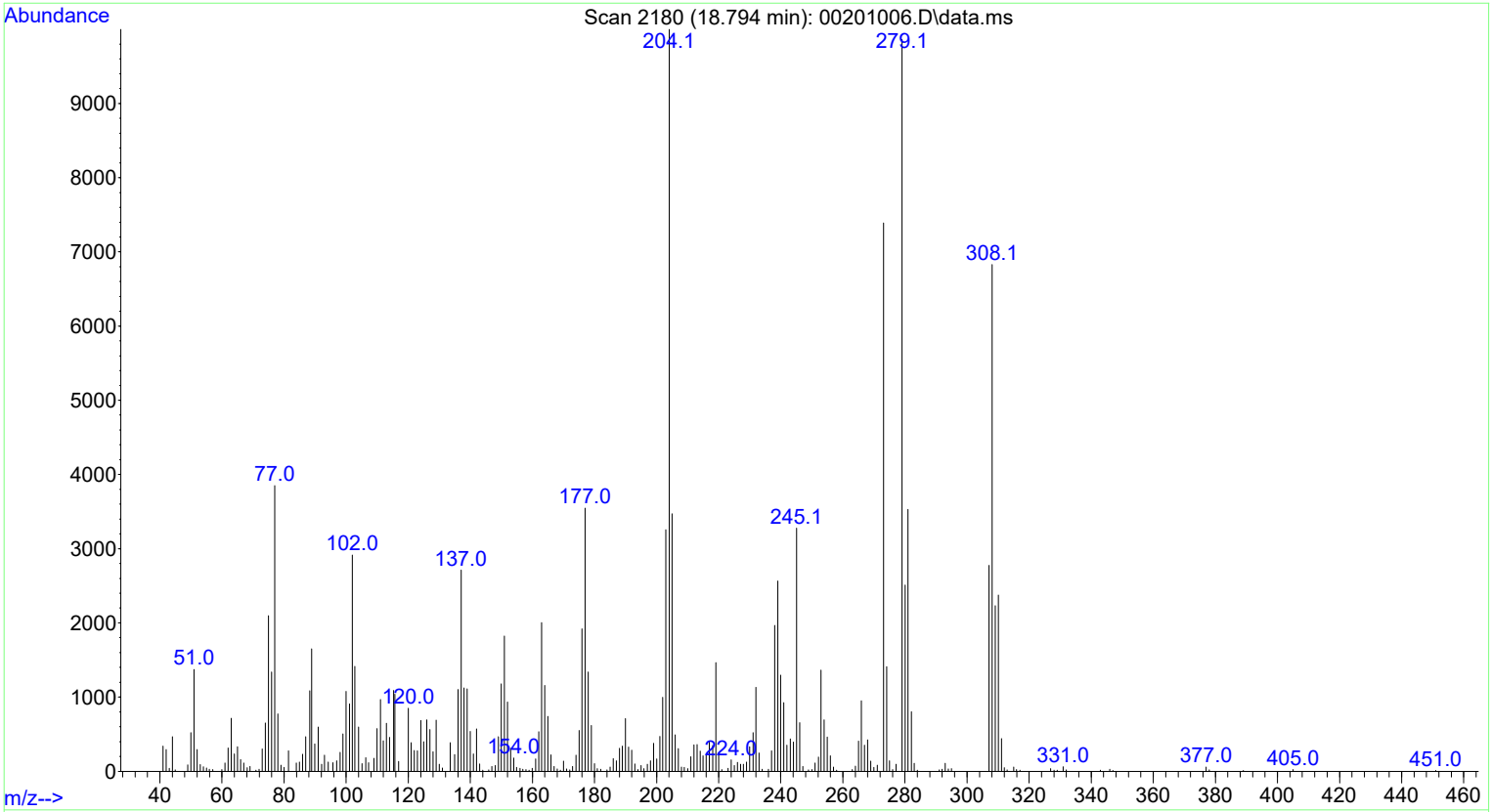


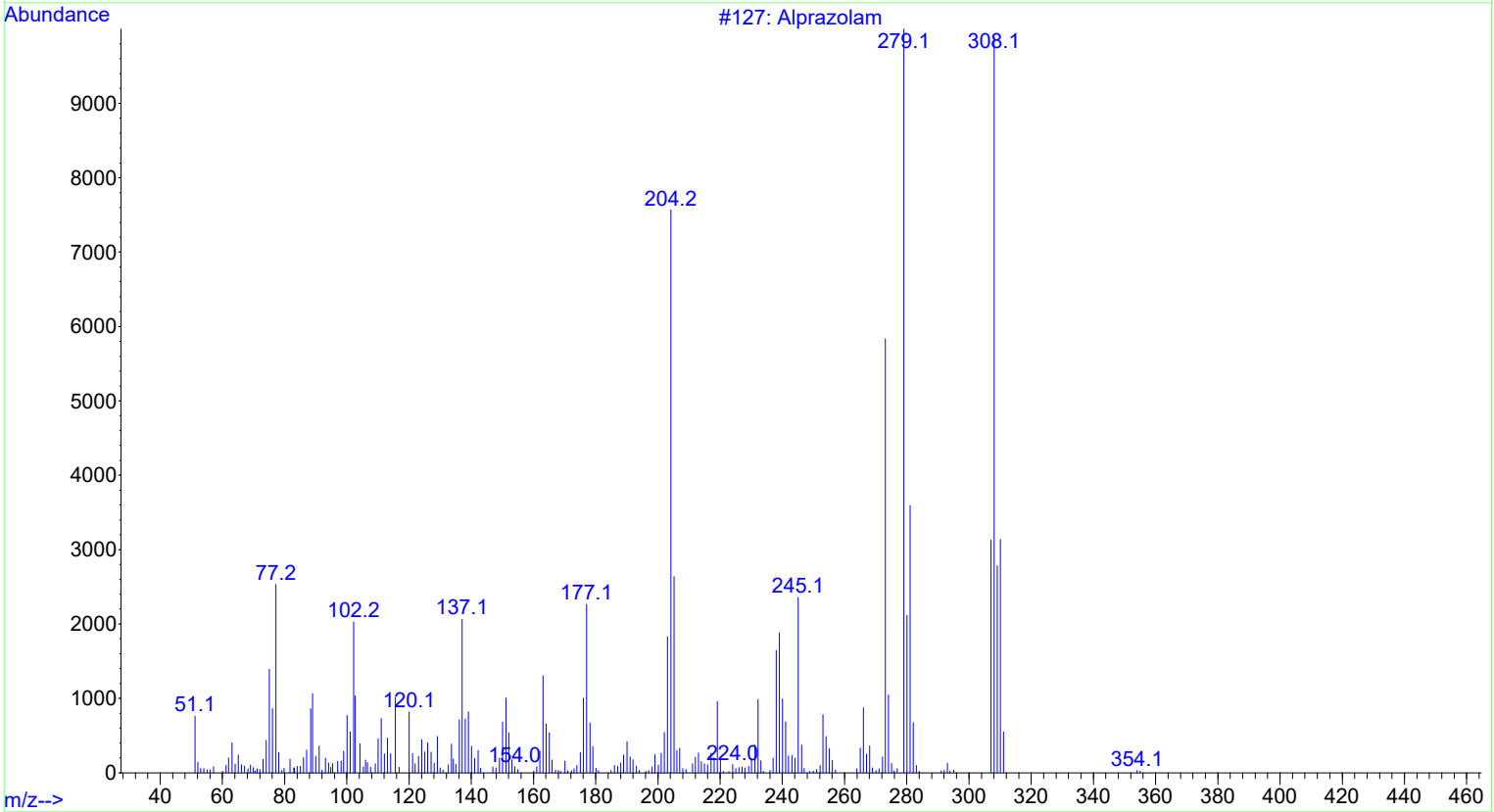
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... 2025 Data\2nd qtr\052725\00201006.D
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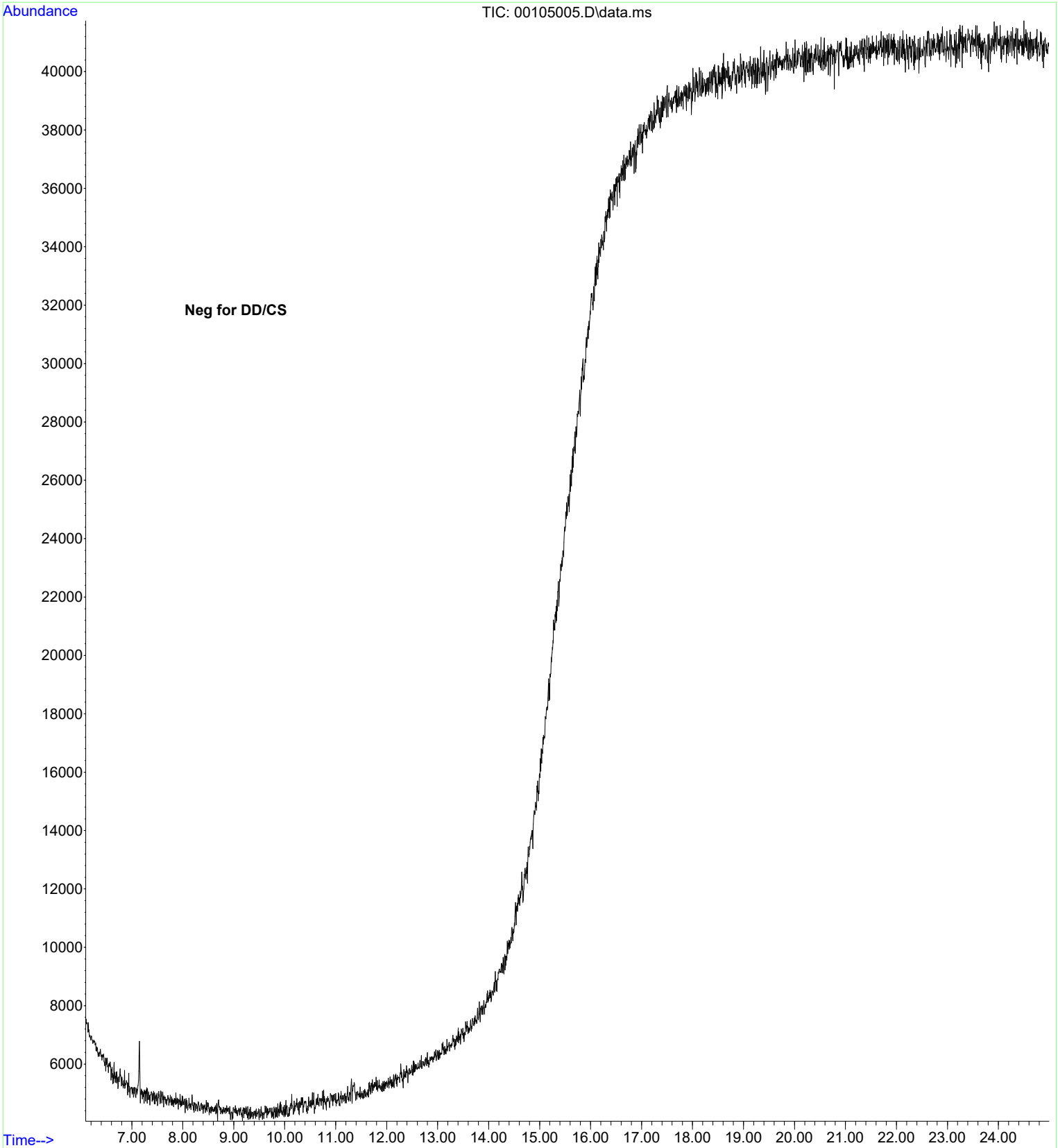


File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Weekly Check Mix\
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Acquired : 27 May 2025 10:29 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC/MS mix 3 (R-24-060) 000002669
Misc Info : in ACN 000002669
Vial Number: 2

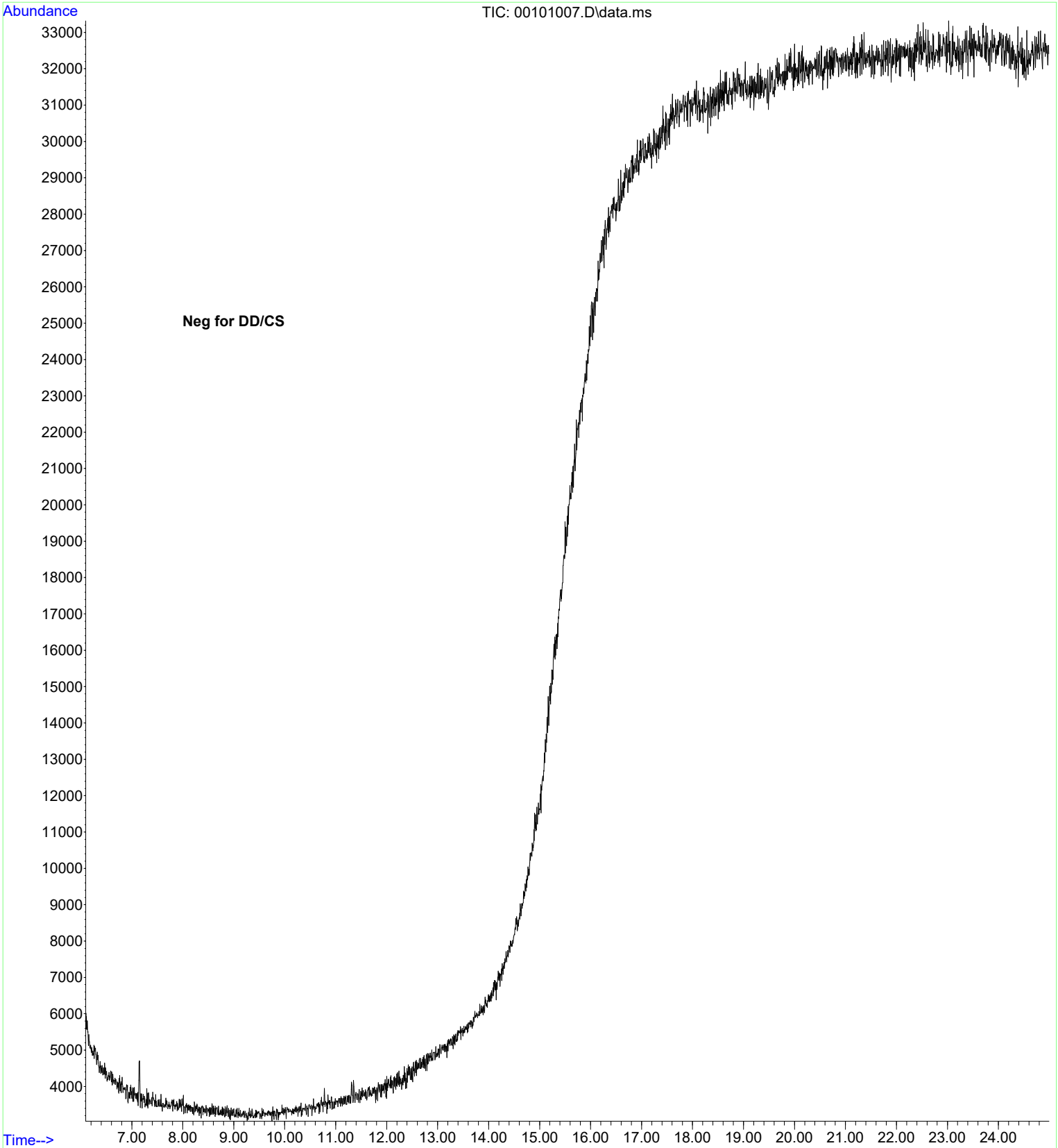




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... 2025 Data\2nd qtr\052725\00105005.D
Acquired : 27 May 2025 10:00 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: BLANK (C-19-0068) prior to Cayman GC/MS mix 3 (R-24-060) 000002668
Misc Info : ACN 000002668
Vial Number: 1



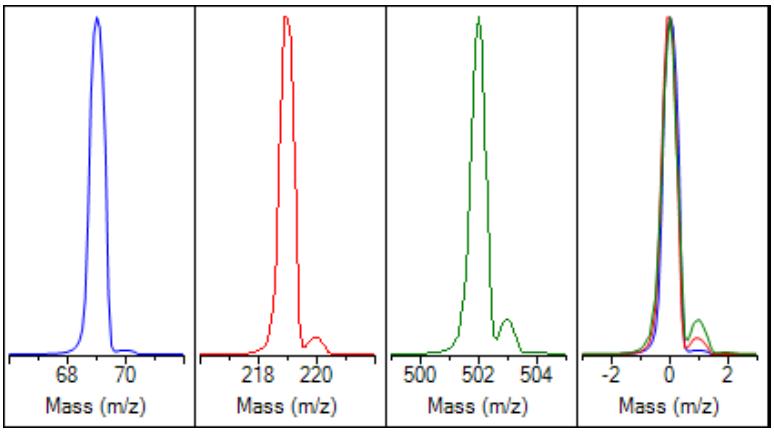
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Acquired : 27 May 2025 10:57 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Blank (C-19-0068) - Instrument ready 000002668
Misc Info : ACN 000002668
Vial Number: 1



High Efficiency Source Autotune - 5977

Tune timestamp: 5/30/2025 11:17 AM (UTC-05:00) GCMS #4

D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u US1837D002



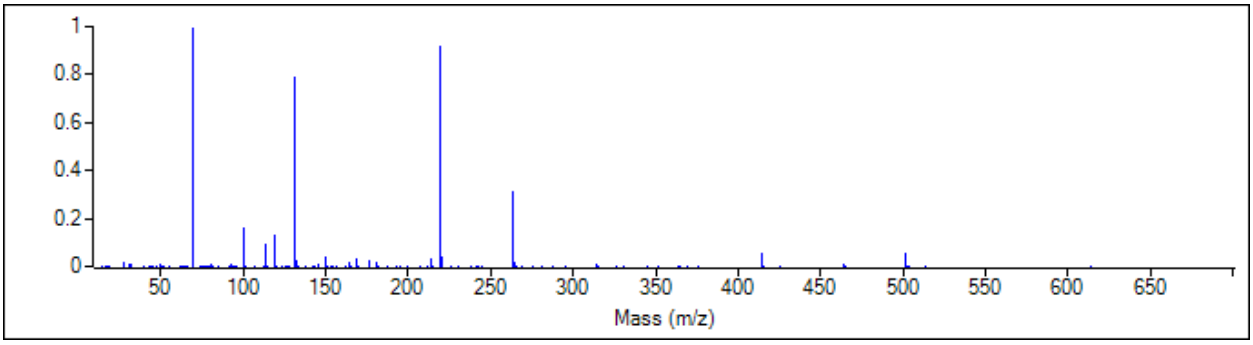
Ion Polarity	Pos	PFTBA	Open
Emission	100.0	Mass Gain	87
Electron Energy	70.0	Mass Offset	-27
Filament	1	Amu Gain	2452
Repeller	12.23	Amu Offset	137.44
Ion Focus	149.6	Width219	0.001
Entrance Lens	10.1	DC Polarity	Pos
Ent Lens Offset	13.90	HED Enable	On
Ion Body	4.75	EM Volts	2249.4
Post Extractor 1	12	Extractor Lens	13.80
Post Extractor 2	33	Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	484,690	100.0%	0.60
218.90	432,816	89.3%	0.59
502.00	27,662	5.7%	0.59

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.19e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	119	69.00	458,432	1,819,175



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	458,432	100.0%	70.00	5,510	1.2%
219.00	219.00	420,224	91.7%	220.00	19,616	4.7%
502.00	502.00	25,088	5.5%	503.00	2,769	11.0%

Air/Water Check: H20 ~0.1% N2 ~2.0% O2 ~0.6% CO2 ~0.1% N2/H20 ~1610.1%

Column(1) Flow: 0.70 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 128 volts using ion 502; Electron Multiplier Gain 13649.675

Repeller maximum 35 volts using ion 219; Gain Factor 0.1365

Mass Gain Values(Scan Speed): 96(3) 98(2) 106(1) 123(0) 175(FS1) 174(FS2) 119(FS3)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	137.4	137.4	137.4	137.4	137.4	137.4	137.4
Entrance Lens Offset	13.9	13.9	13.9	13.9	13.9	13.9	13.9