Brazoria County Crime Lab

Seized Drugs Section

GC-MS Maintenance Log

Instrument: GCMS-3 **onth Year:** July 2025

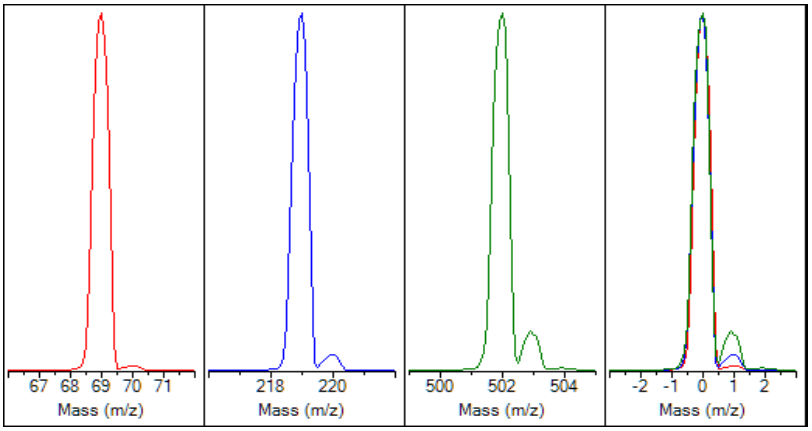
Entry Number	te	He Tank Pressure	Autotune	Septum Change	Wash Vials Filled	iner Change	Gold Seal Replaced	Column Cut	Computer Restarted	Maintenance/ PM	Analyst/ Technician	Com ents	Initials
1	7/7/2025	1750	Pass	N/A	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst		DS
2	7/14/2025	800	Pass	N/A	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst		KB
3	7/21/2025	2400	Pass	N/A	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst		KB
4	7/28/2025	1500	Pass	✓	✓	✓	N/A	N/A	N/A	Maintenance	Analyst		KB

Signature Derek Sanders **Dat** 10/02/2025

Autotune - 5977

7/7/2025 8:21:26 AM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



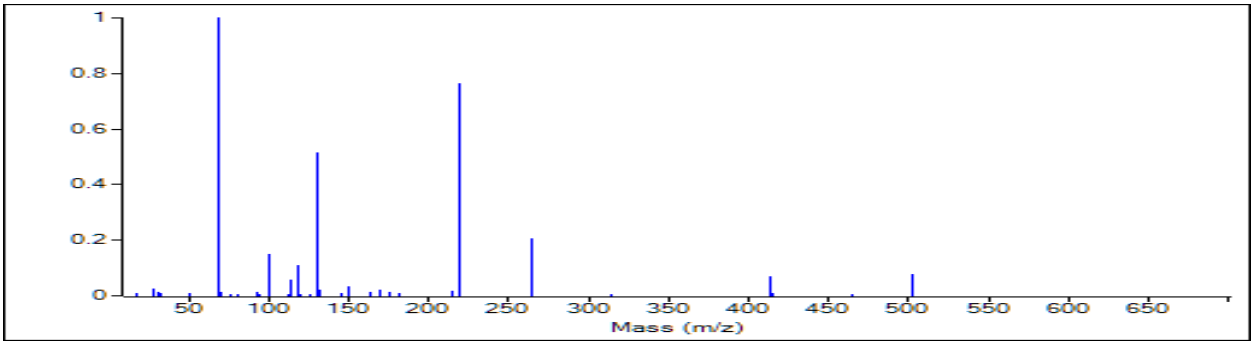
Ion Polarity	Pos	Mass Gain	-358
Emission	34.6	Mass Offset	-36
Electron Energy	70.0	Amu Gain	1676
Filament	2	Amu Offset	120.06
Repeller	34.90	Width219	-0.020
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	17.6	HED Enable	On
Ent Lens Offset	13.40	EM Volts	1782.3
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	9.17e-06

Mass	Abund	Rel Abund	Pw50
69.00	412,333	100.0%	0.60
219.00	316,847	76.8%	0.60
502.00	30,819	7.5%	0.60

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	92	69.00	398,208	1,309,143



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	398,208	100.00	70.00	4,563	1.15
219.00	303,552	76.23	220.00	13,025	4.29
502.00	30,192	7.58	503.00	3,083	10.21

Air/Water Check: H20 ~1.0% N2 ~2.6% O2 ~0.8% CO2 ~0.1% N2/H20 ~268.7%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 48746.349

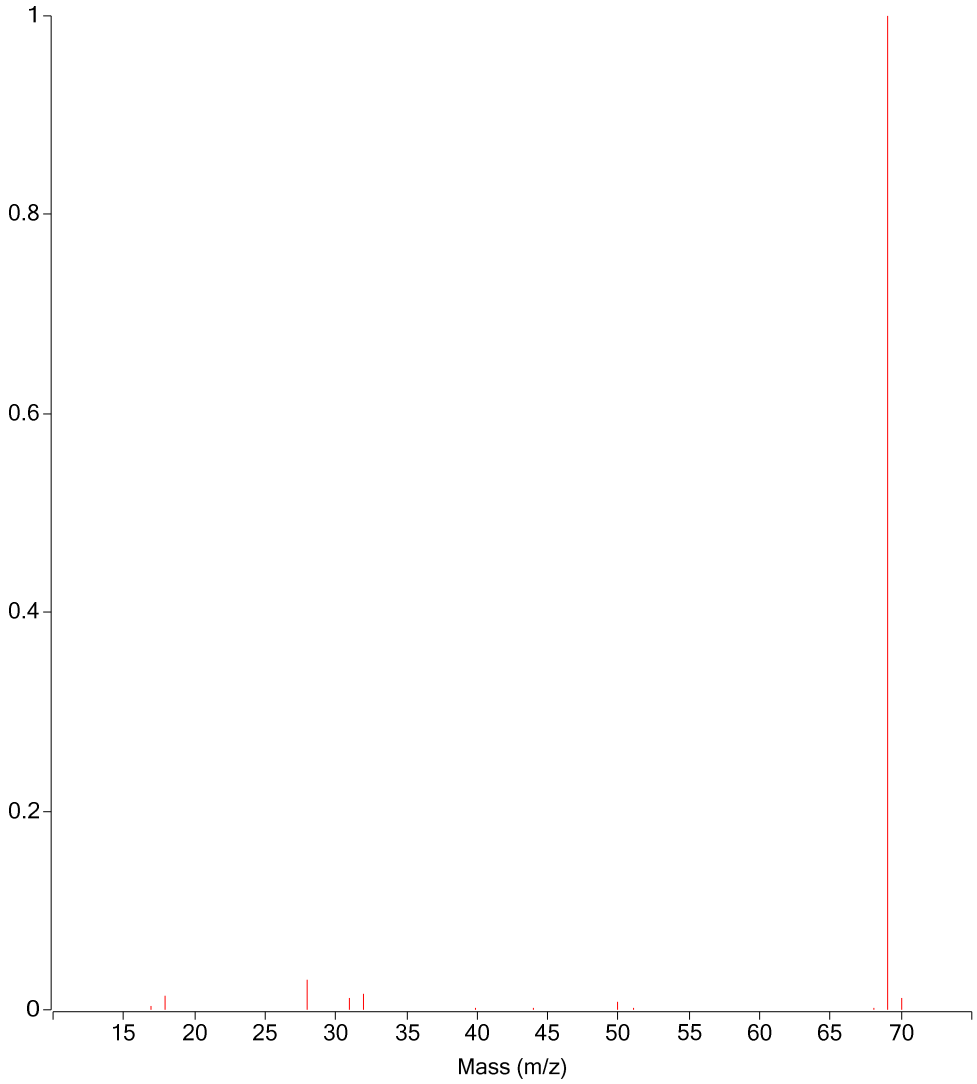
Repeller maximum 35 volts using ion 219; Gain Factor 0.4875

Mass Gain Values(Scan Speed): -357(3) -350(2) -354(1) -341(0) -288(FS1) -409(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.1	120.1	120.1	120.1	120.1	120.1	120.1
Entrance Lens Offset	13.4	13.4	13.4	13.4	13.4	13.4	13.4

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Mon Jul 07 08:16:44 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	1.33	Water%	(counts=14757)
28/69 =	3.11	Nitrogen%	(counts=34640)
32/69 =	1.62	Oxygen%	(counts=18048)
44/69 =	0.24	Carbon Dioxide%	(counts=2650)
28/18 =	234.74	Nitrogen/Water%	

Instrument Name	: BCCL SD GCMS 3	
DC Polarity	: Positive	
Filament	2	
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%)	1.08	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.31	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.22	OK
Ratio of 219 to 69 should be > 40% and is	76.78	OK
Ratio of 502 to 69 should be > 2.4% and is	7.69	OK
Mass 69 Precursor (<= 3%)	0.15	OK
Mass 219 Precursor (<= 6%)	0.56	OK
Mass 502 Precursor (<= 12%)	0.85	OK

597x Air and Water Check

Mon Jul 07 08:25:12 2025	Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u	US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.79	OK
Ratio of 28 to 69 (<10%)	2.35	OK
Electron Multiplier Voltage	1782	OK

Tune portion of System Verification passed.

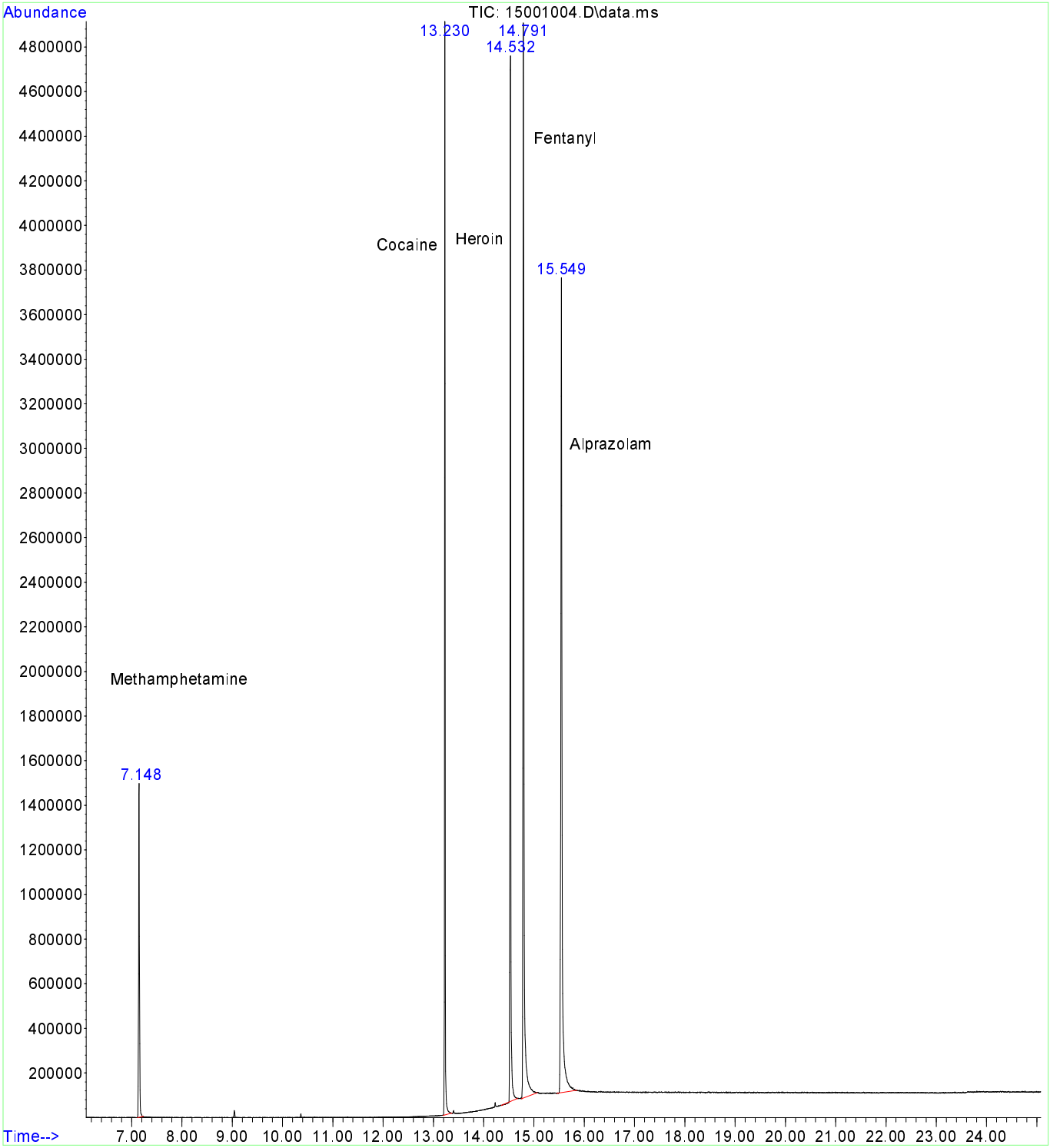
BCCL GC/MS #3
Retention Times for the Week of:

07/07/2025 - 07/13/2025

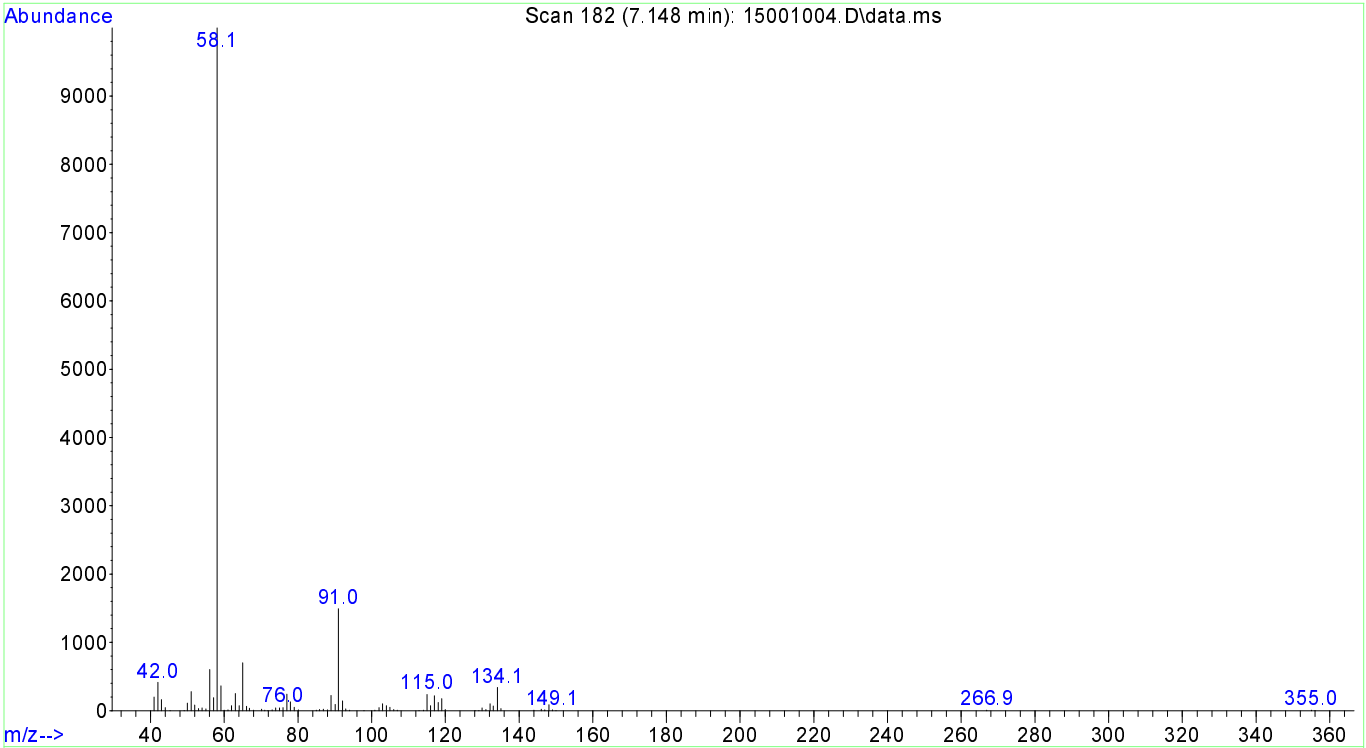
[X] **Tune: DS 07/07/2025 - Autotune**

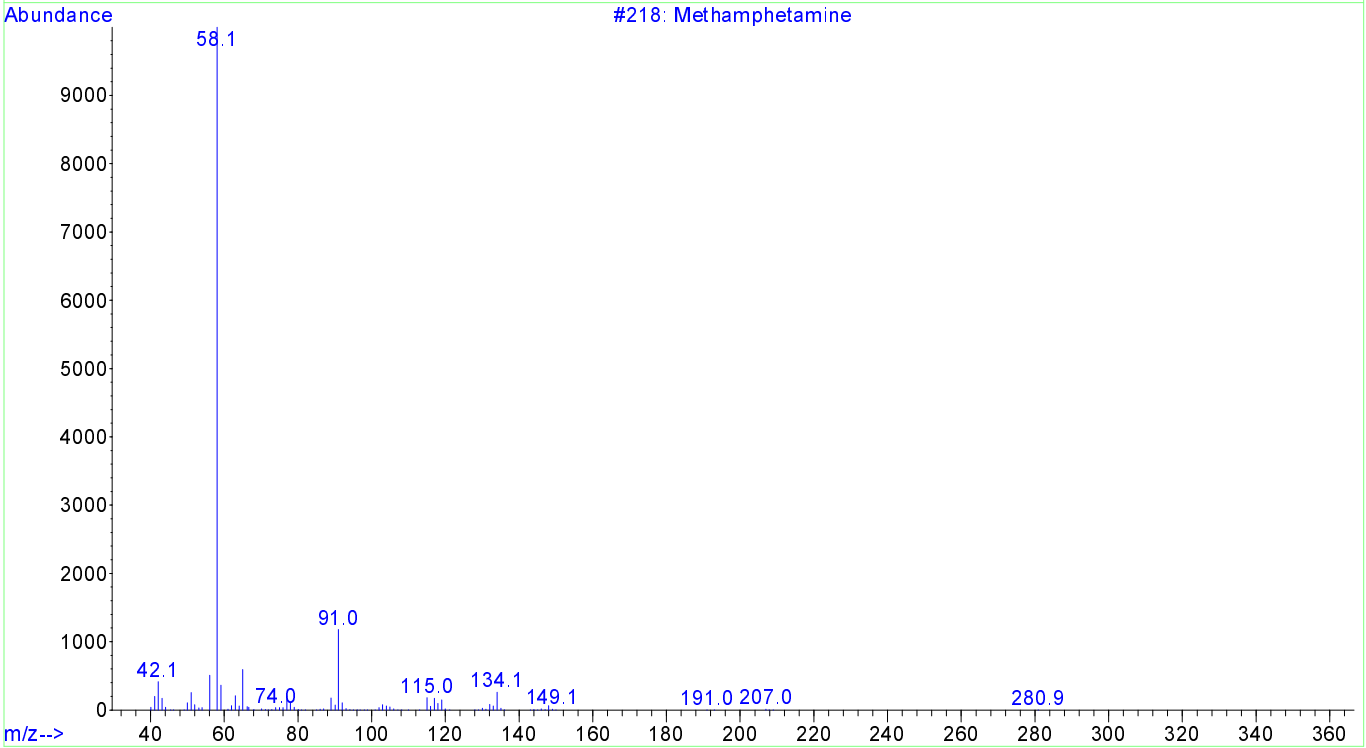
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-24-060	DrugTest35	7.148	7.076	7.219
Cocaine	R-24-060	DrugTest35	13.230	13.097	13.362
Heroin	R-24-060	DrugTest35	14.532	14.386	14.677
Fentanyl	R-24-060	DrugTest35	14.791	14.643	14.938
Alprazolam	R-24-060	DrugTest35	15.549	15.393	15.704
Codeine	R-23-022	DrugTest35	13.854	13.715	13.992

```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 07 Jul 2025  09:41     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
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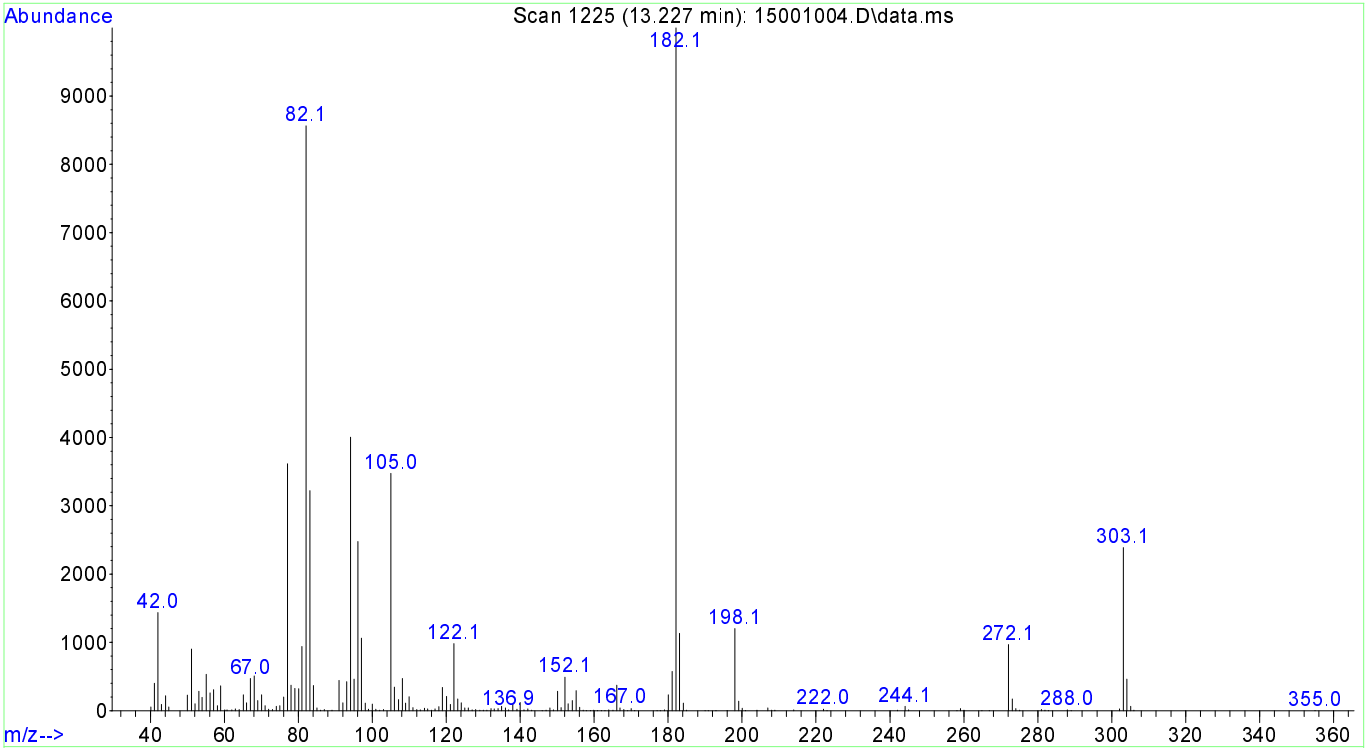


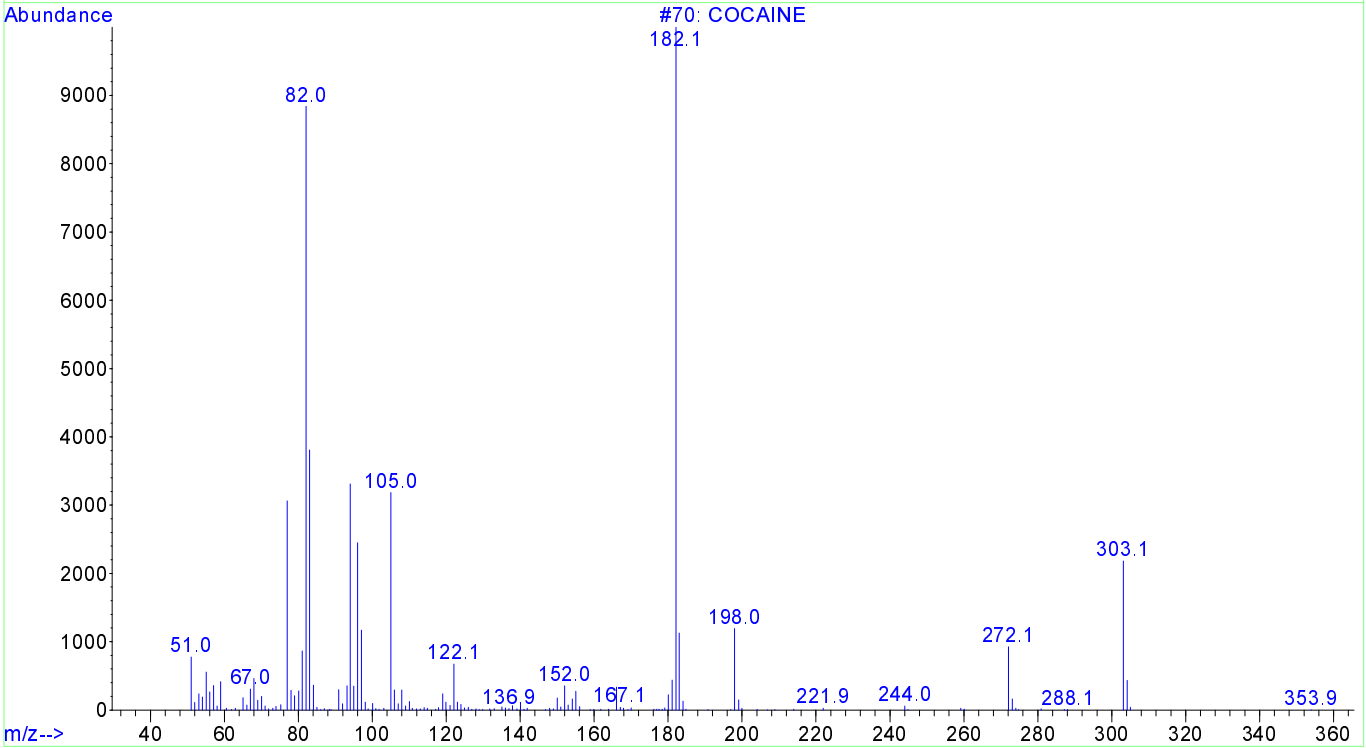
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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 07 Jul 2025 09:41 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667



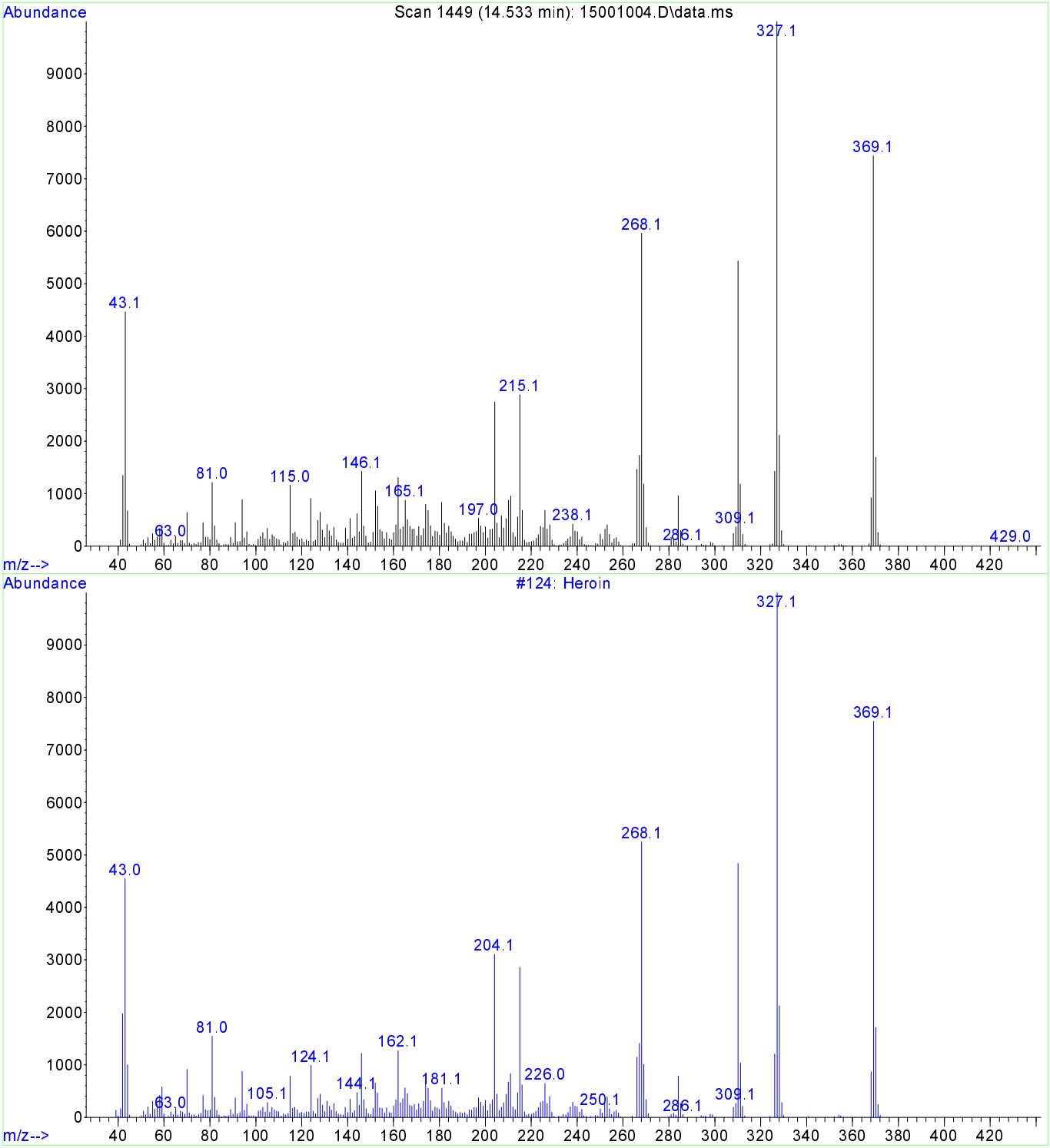


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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 07 Jul 2025 09:41 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667

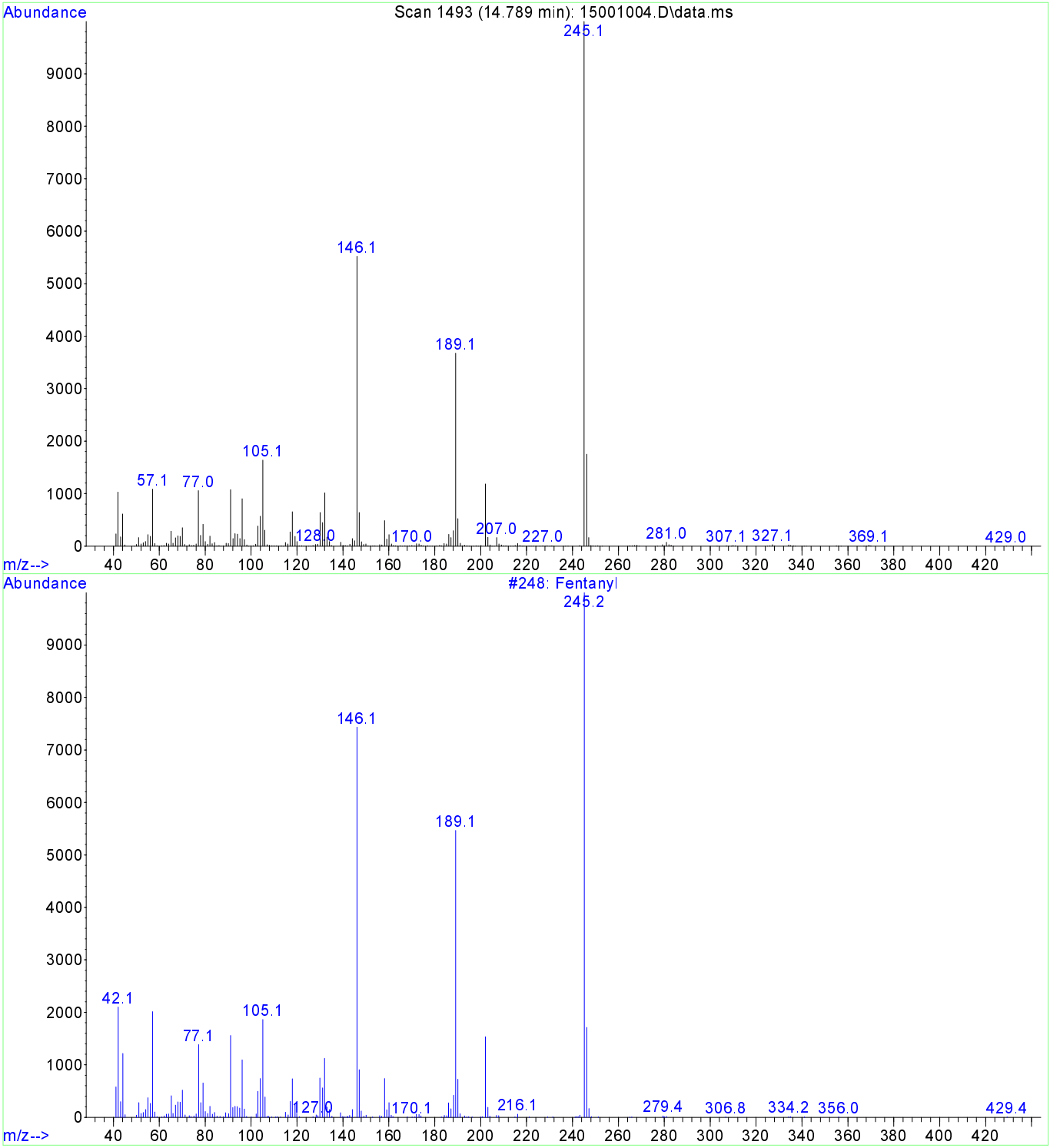




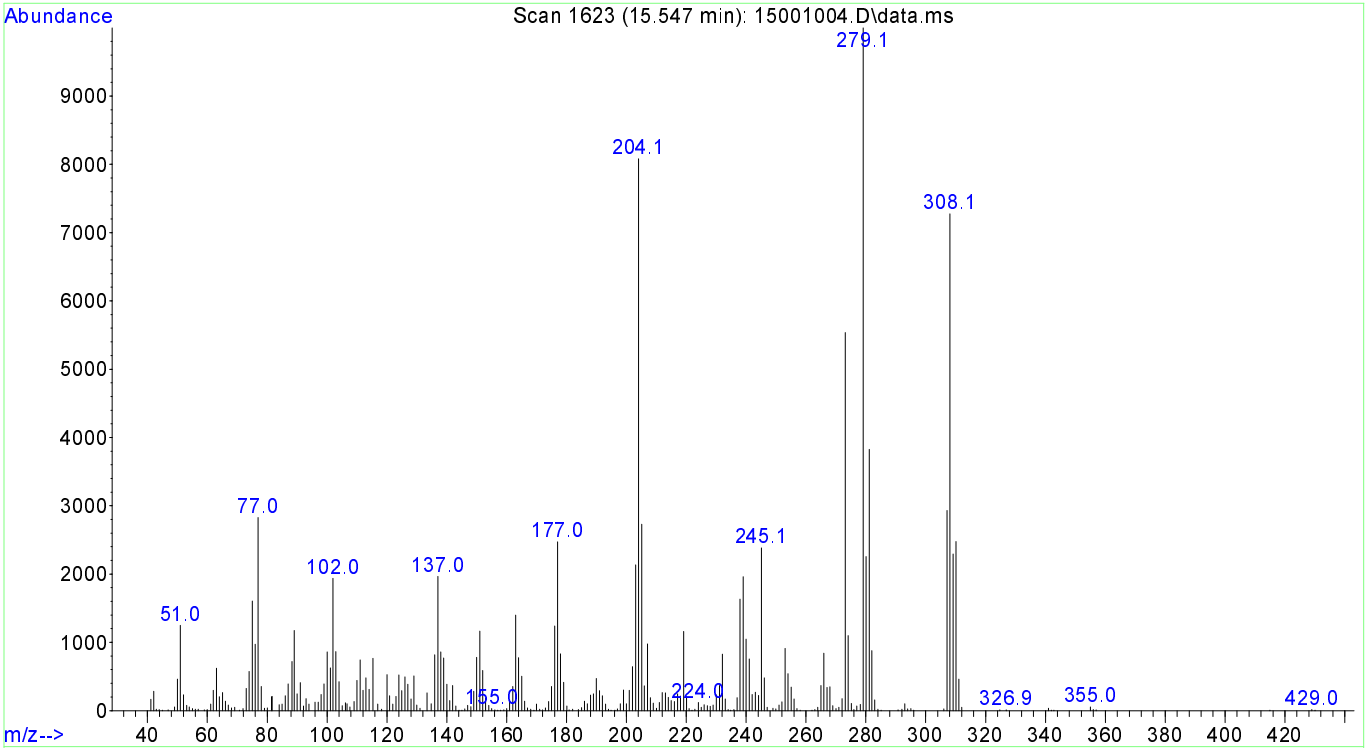
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Instrument : BCCL SD GCMS 3
Acquired : 07 Jul 2025 09:41 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667

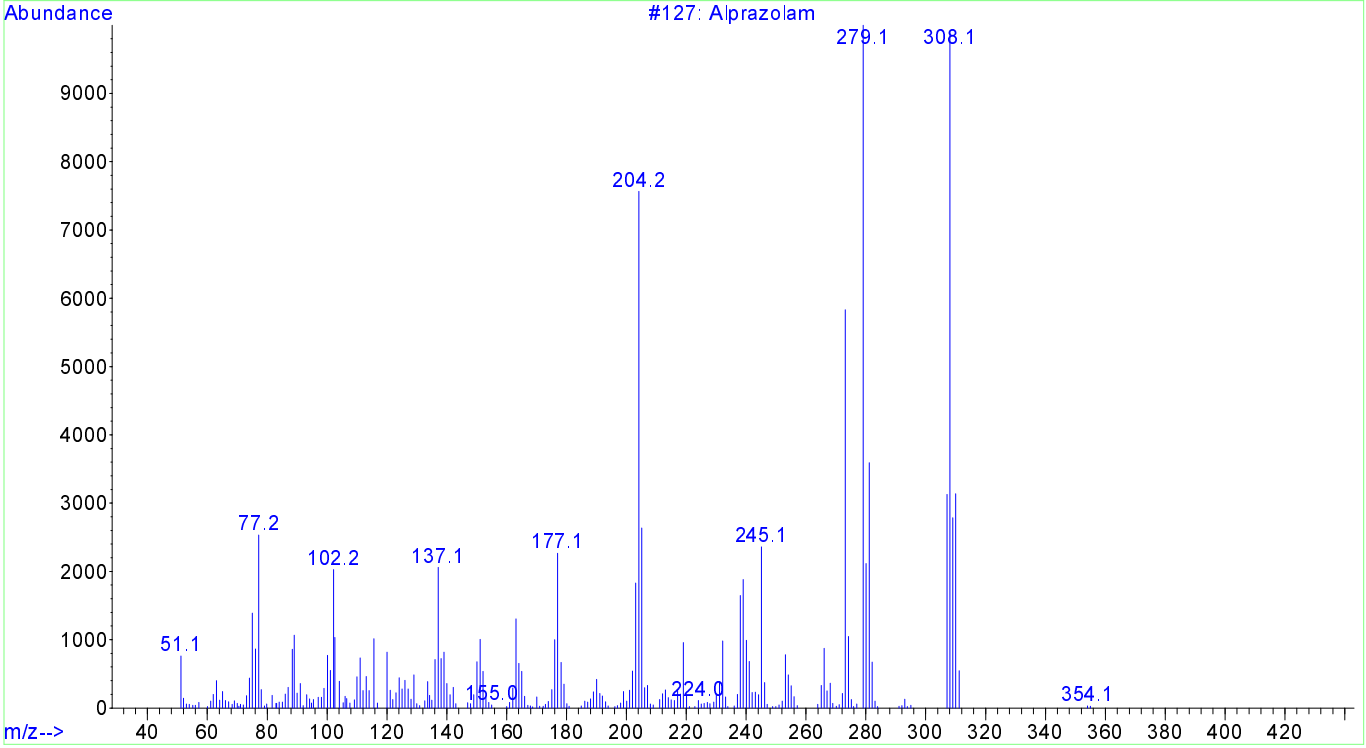


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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 07 Jul 2025 09:41 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667

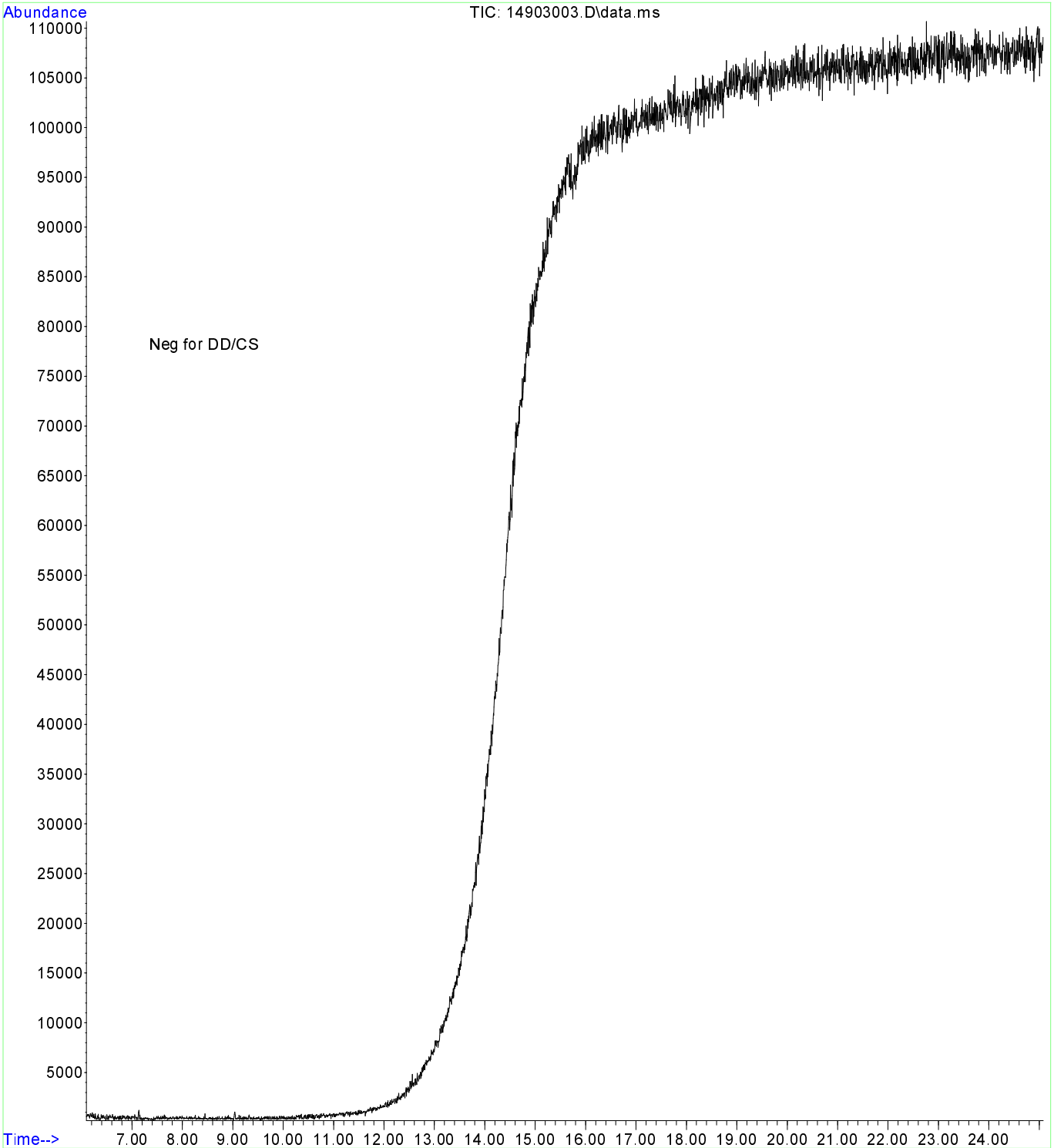


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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 07 Jul 2025 09:41 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667

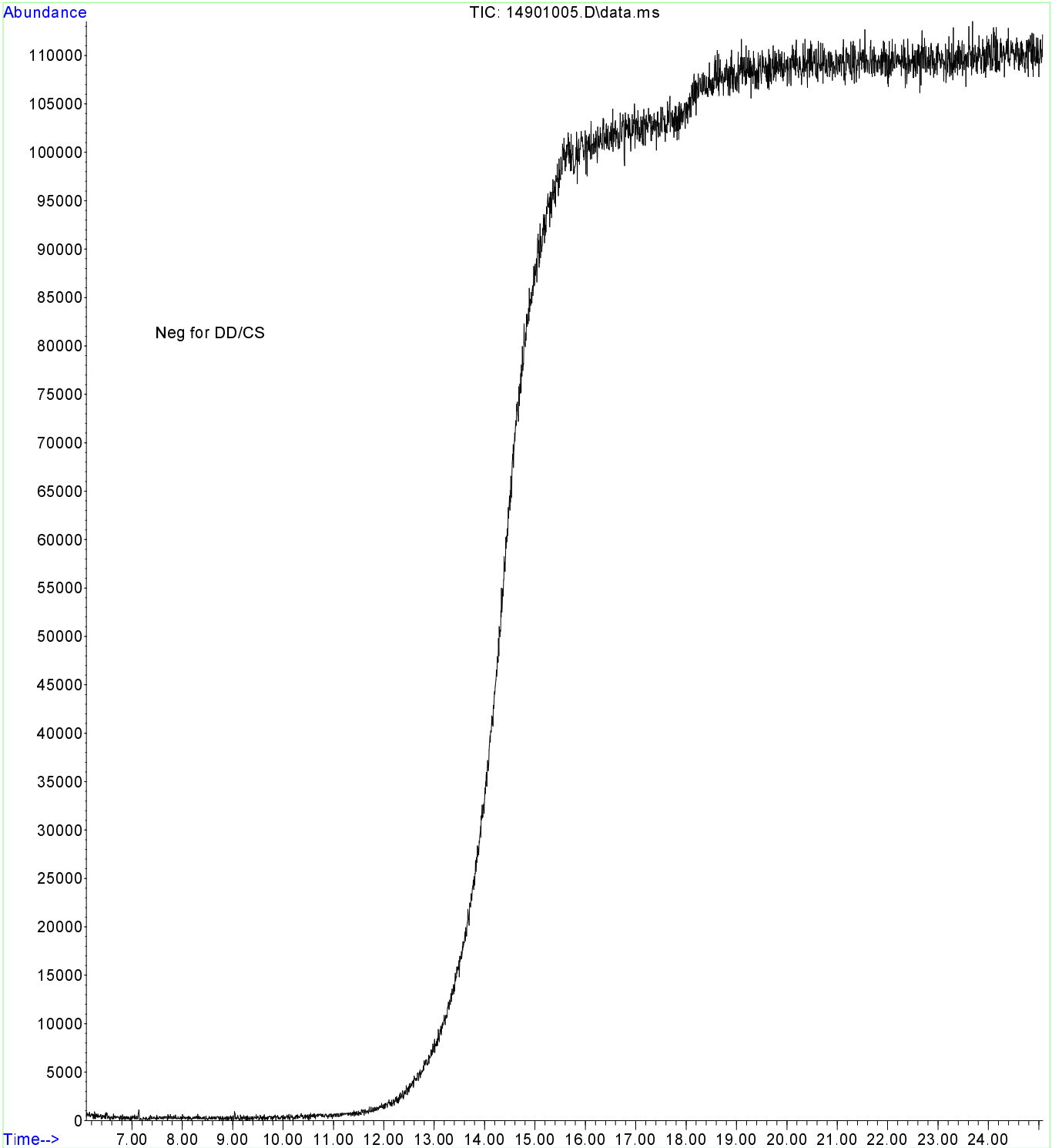




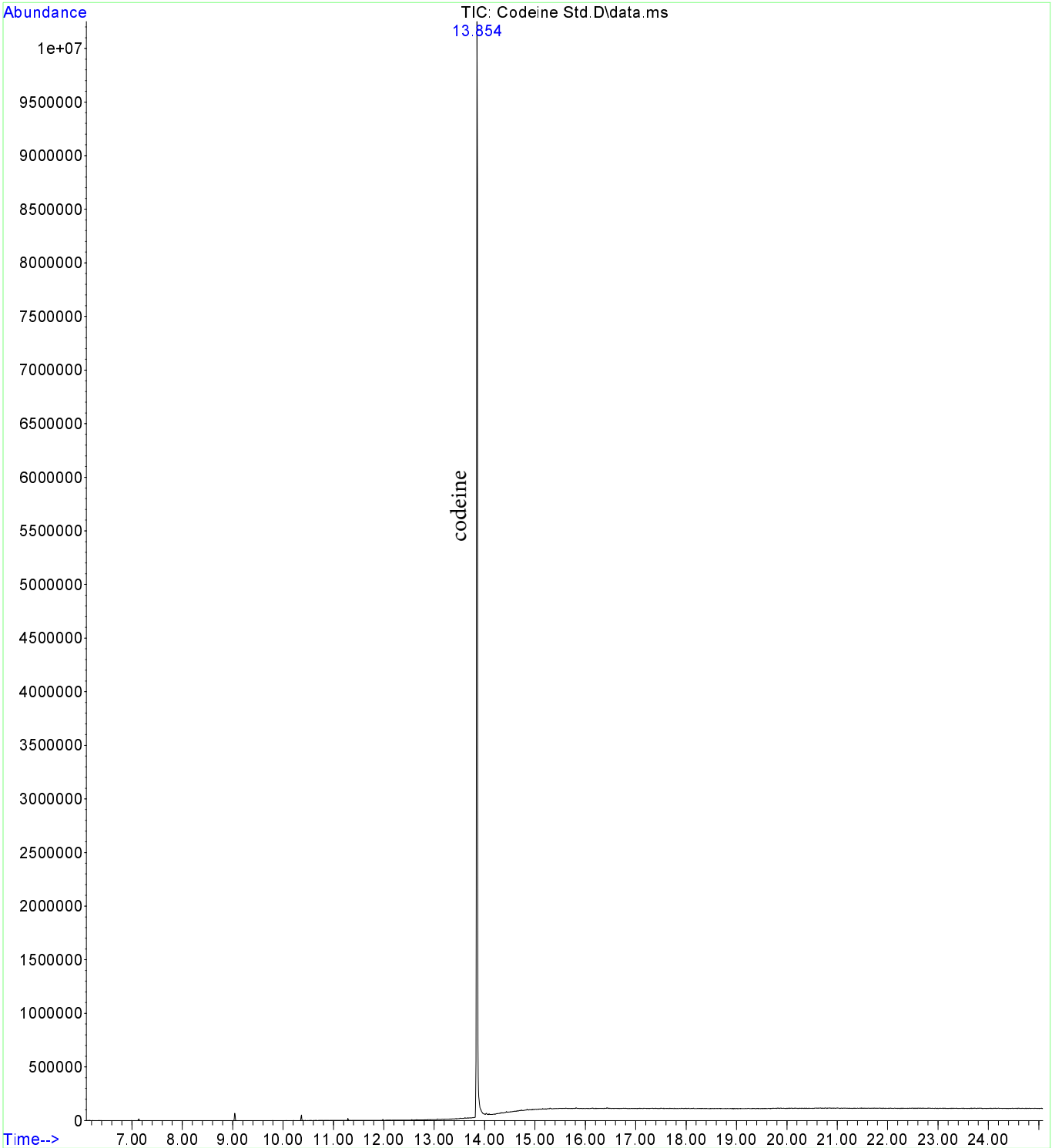
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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 07 Jul 2025 09:12 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-19-0068) PRIOR TO CAYMAN GC/MS MIX 3 (R-24-060) 000002666
Misc Info : 000002666



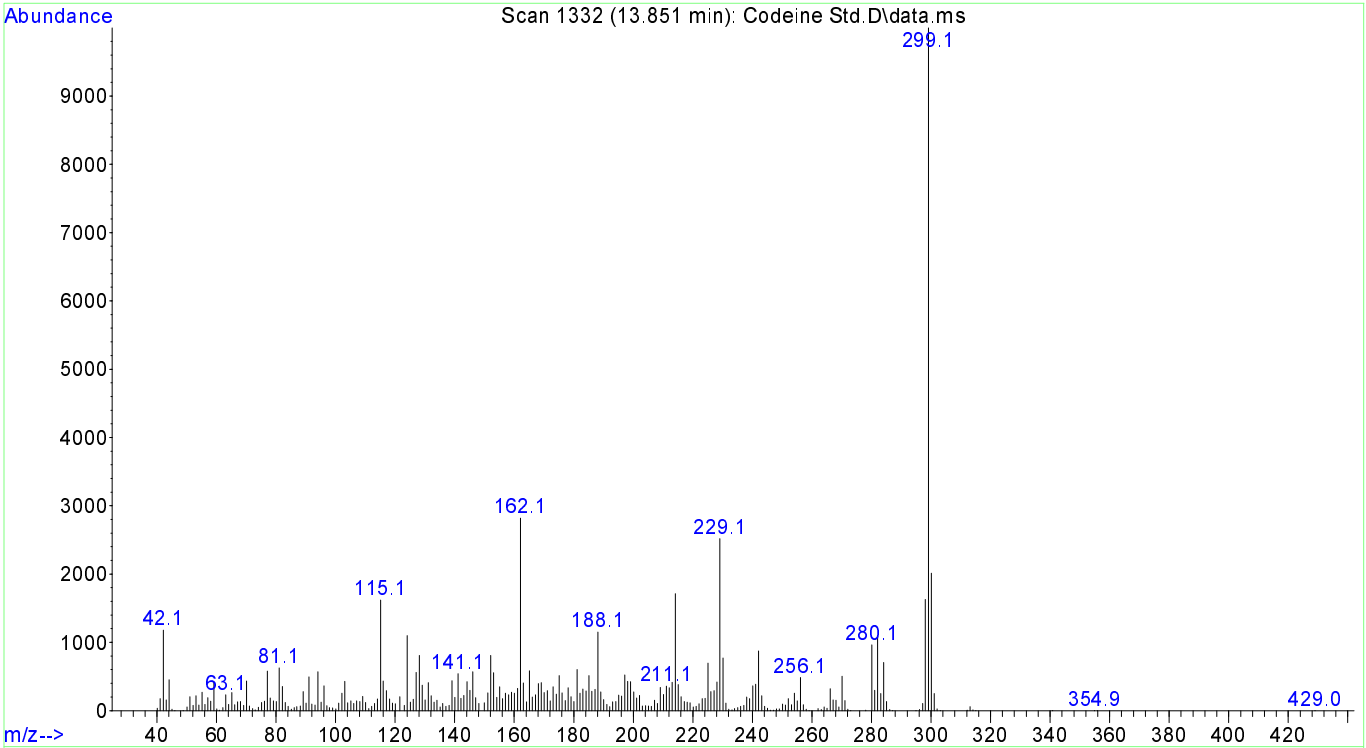
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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 07 Jul 2025 10:10 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-19-0068) - INSTRUMENT READY 000002666
Misc Info : 000002666

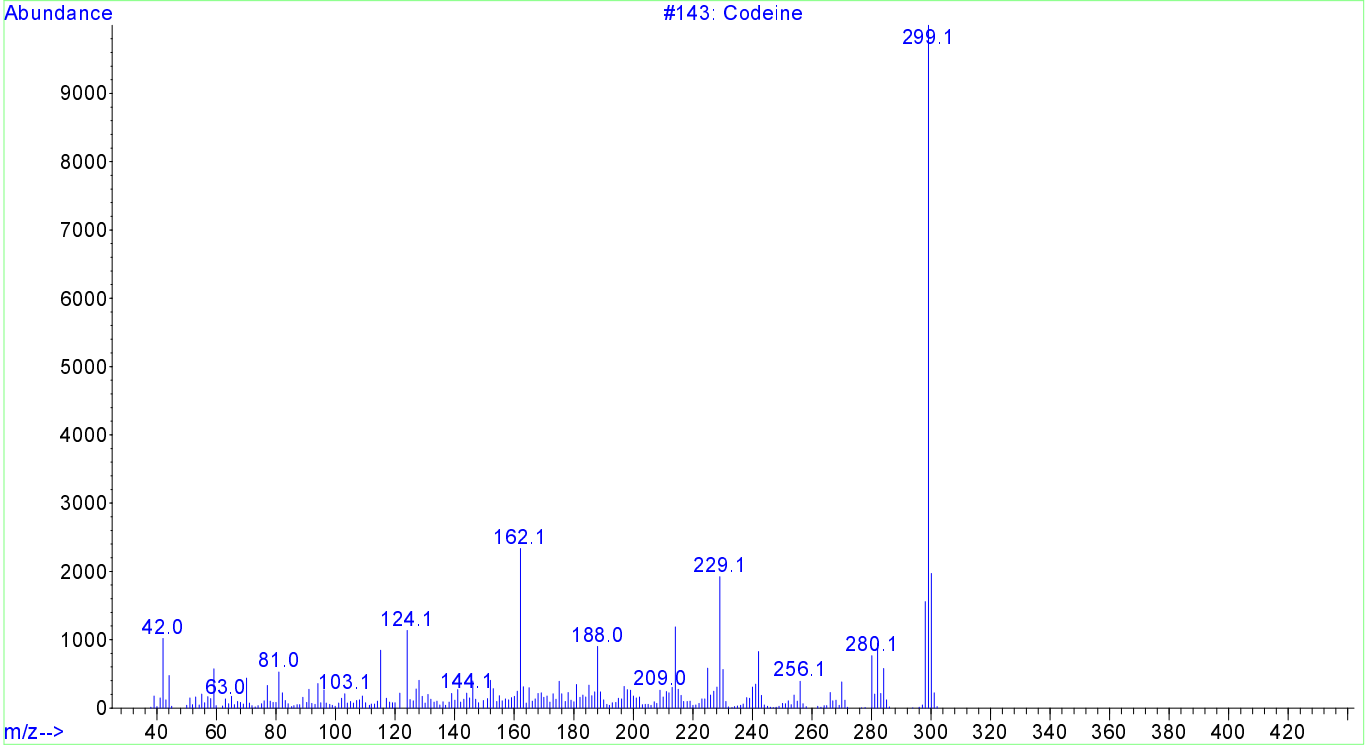


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File       :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\070825\Codeine St
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 08 Jul 2025  17:20     using AcqMethod DrugTest35.M
Sample Name: Codeine (R-23-022) Std                          000005945
Misc Info  : Rt determination                                000005945
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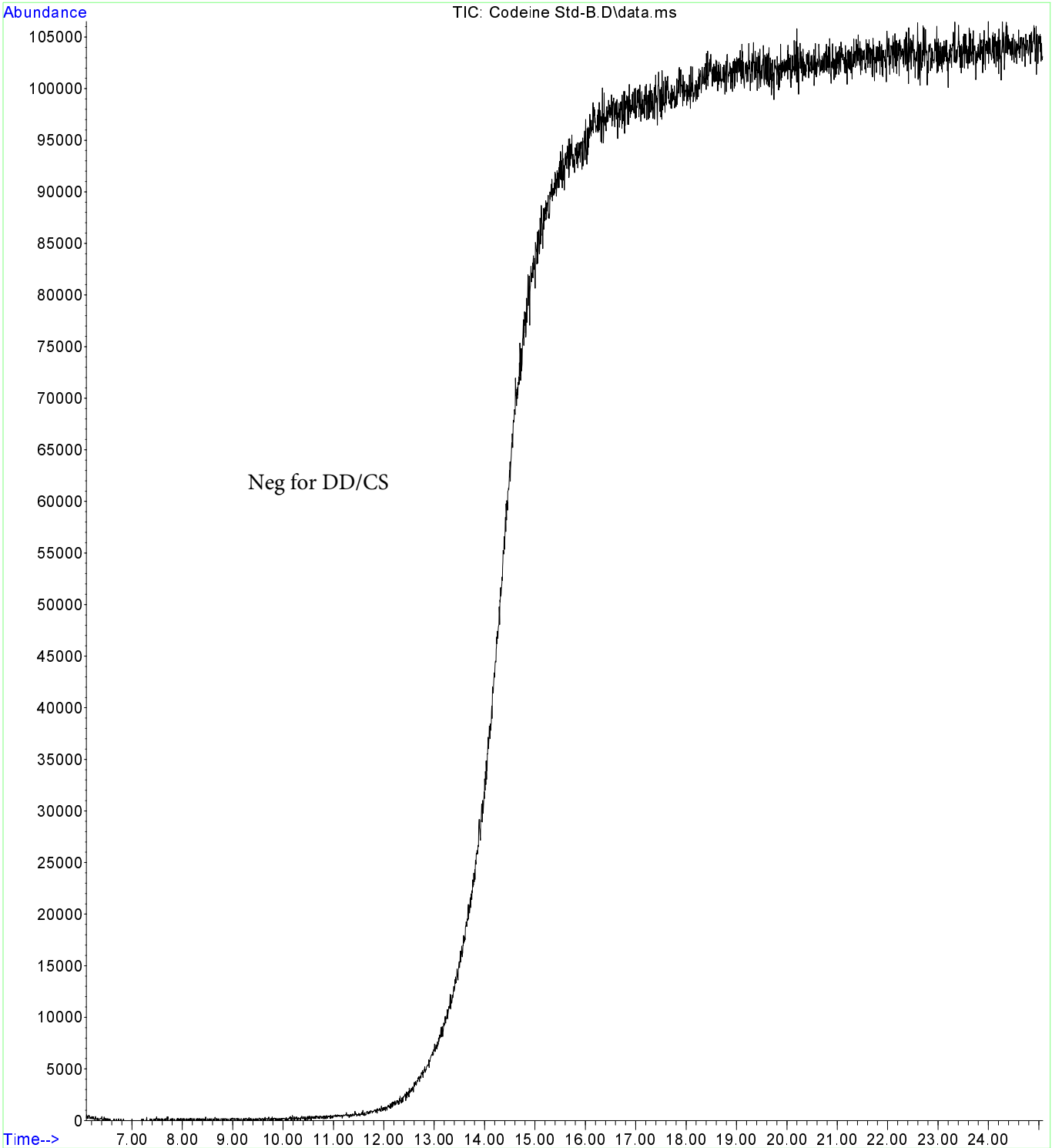


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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
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Sample Name: Codeine (R-23-022) Std 000005945
Misc Info : Rt determination 000005945





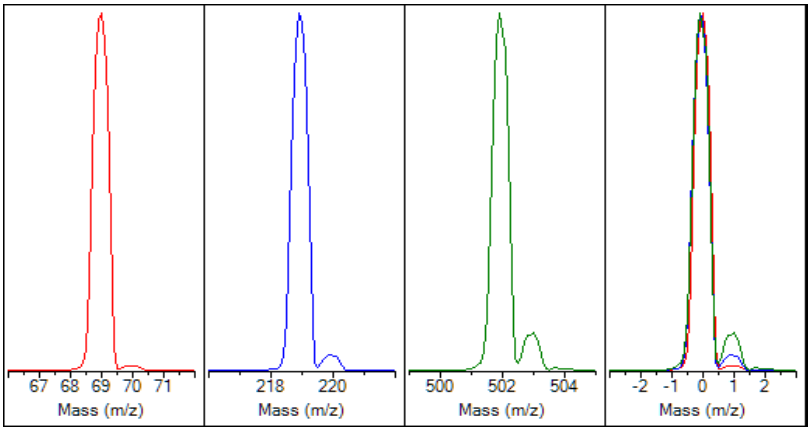
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...         d-B.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 08 Jul 2025  16:52     using AcqMethod DrugTest35.M
Sample Name: blank prior to Codeine (R-23-022) Std          000002720
Misc Info  : DCM (C-22-0015B)/ MeOH (C-20-0050B)            000002720
```



Autotune - 5977

7/14/2025 6:45:08 AM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



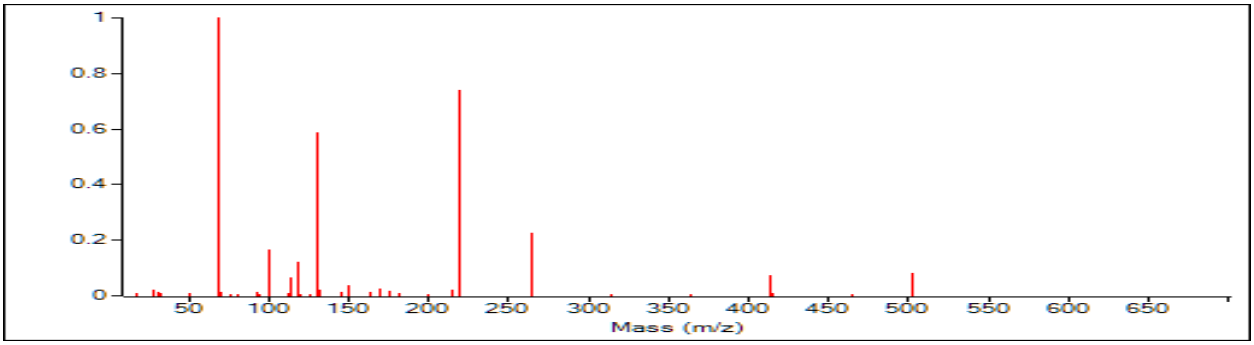
Ion Polarity	Pos	Mass Gain	-358
Emission	34.6	Mass Offset	-36
Electron Energy	70.0	Amu Gain	1671
Filament	2	Amu Offset	121.19
Repeller	28.72	Width219	-0.020
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	20.2	HED Enable	On
Ent Lens Offset	12.19	EM Volts	1876.4
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	9.17e-06

Mass	Abund	Rel Abund	Pw50
69.00	445,732	100.0%	0.60
218.90	330,399	74.1%	0.61
501.90	34,843	7.8%	0.60

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	105	69.00	427,904	1,465,598



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	427,904	100.00	70.00	4,594	1.07
219.00	316,480	73.96	220.00	13,998	4.42
502.00	34,128	7.98	503.00	3,409	9.99

Air/Water Check: H20 ~0.7% N2 ~2.1% O2 ~0.7% CO2 ~0.1% N2/H20 ~310.3%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 94388.446

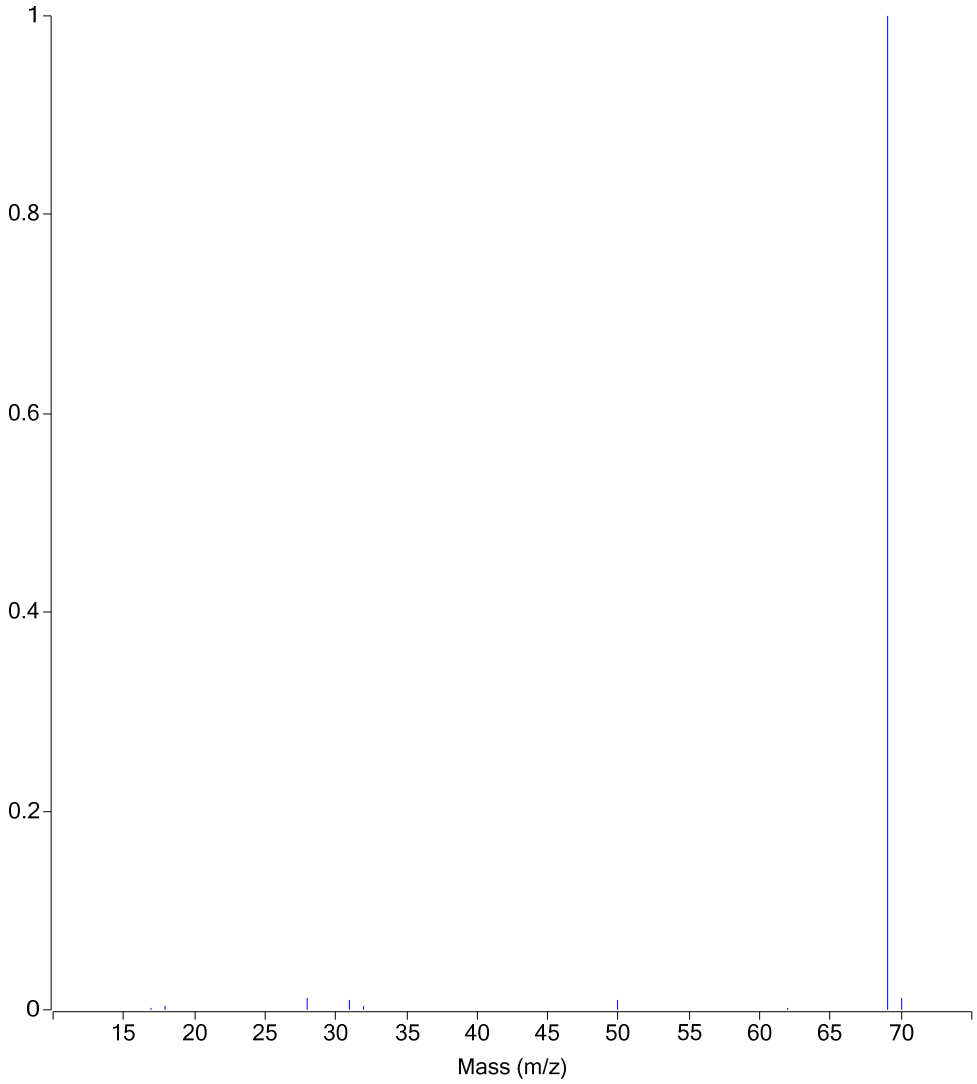
Repeller maximum 35 volts using ion 219; Gain Factor 0.9439

Mass Gain Values(Scan Speed): -355(3) -357(2) -333(1) -332(0) -331(FS1) -234(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	121.2	121.2	121.2	121.2	121.2	121.2	121.2
Entrance Lens Offset	12.2	12.2	12.2	12.2	12.2	12.2	12.2

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Mon Jul 14 06:38:50 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	0.43	Water%	(counts=1175)
28/69 =	1.25	Nitrogen%	(counts=3452)
32/69 =	0.50	Oxygen%	(counts=1383)
44/69 =	0.07	Carbon Dioxide%	(counts=195)
28/18 =	293.79	Nitrogen/Water%	

Instrument Name : BCCL SD GCMS 3
DC Polarity : Positive
Filament 2

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	219.98	OK
Position of isotope mass 503	502.99	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.09	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.35	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.14	OK
Ratio of 219 to 69 should be > 40% and is	73.07	OK
Ratio of 502 to 69 should be > 2.4% and is	7.91	OK
Mass 69 Precursor (<= 3%)	0.15	OK
Mass 219 Precursor (<= 6%)	0.31	OK
Mass 502 Precursor (<= 12%)	0.82	OK

597x Air and Water Check
Mon Jul 14 06:48:42 2025 Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.60	OK
Ratio of 28 to 69 (<10%)	1.99	OK
Electron Multiplier Voltage	1876	OK

Tune portion of System Verification passed.

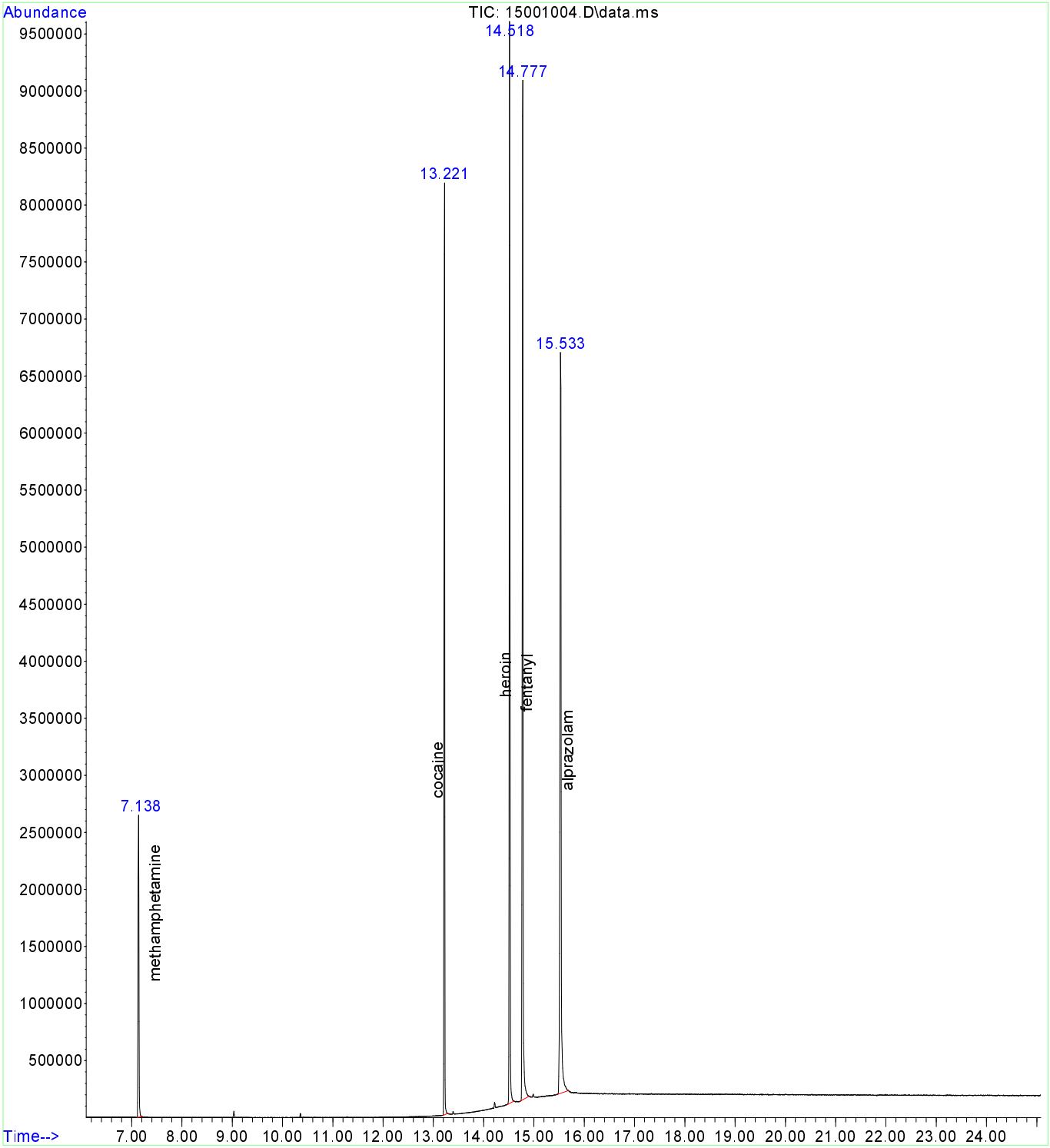
BCCL GC/MS #3
Retention Times for the Week of:

07/14/2025 - 07/20/2025

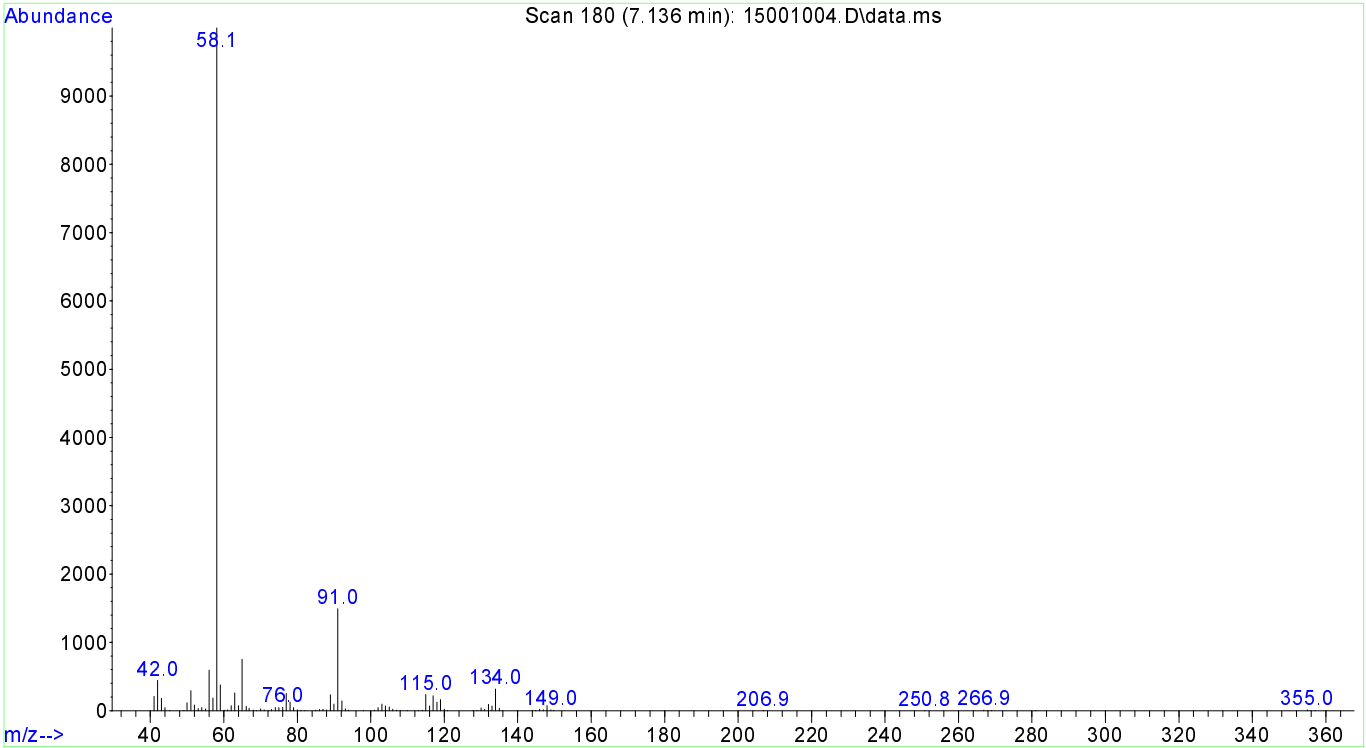
[X] **Tune: KB 07/14/2025 - Autotune**

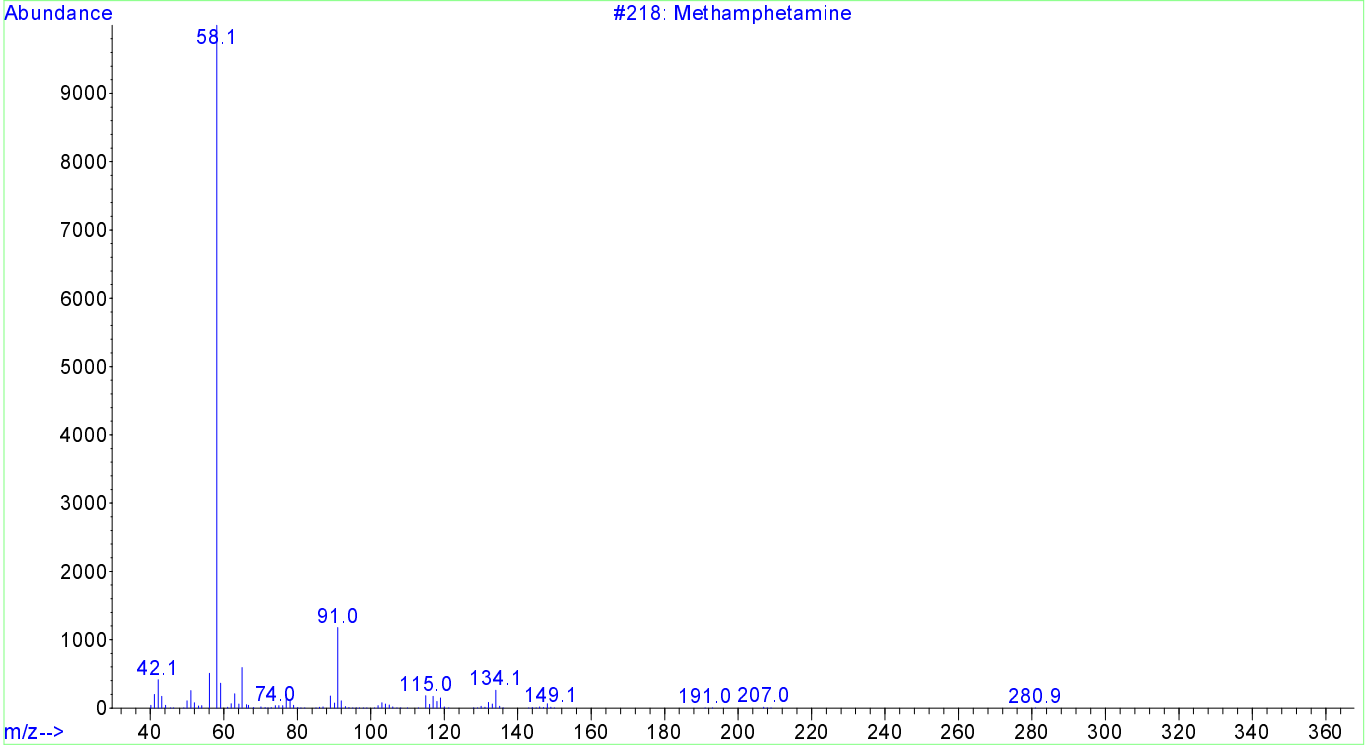
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-24-060	DrugTest35	7.138	7.066	7.209
Cocaine	R-24-060	DrugTest35	13.221	13.088	13.353
Heroin	R-24-060	DrugTest35	14.518	14.372	14.663
Fentanyl	R-24-060	DrugTest35	14.777	14.629	14.924
Alprazolam	R-24-060	DrugTest35	15.533	15.377	15.688
MDMB-4en-PINACA	R-22-032	DrugTest35	14.260	14.117	14.402

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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\071425\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 14 Jul 2025  08:07     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```

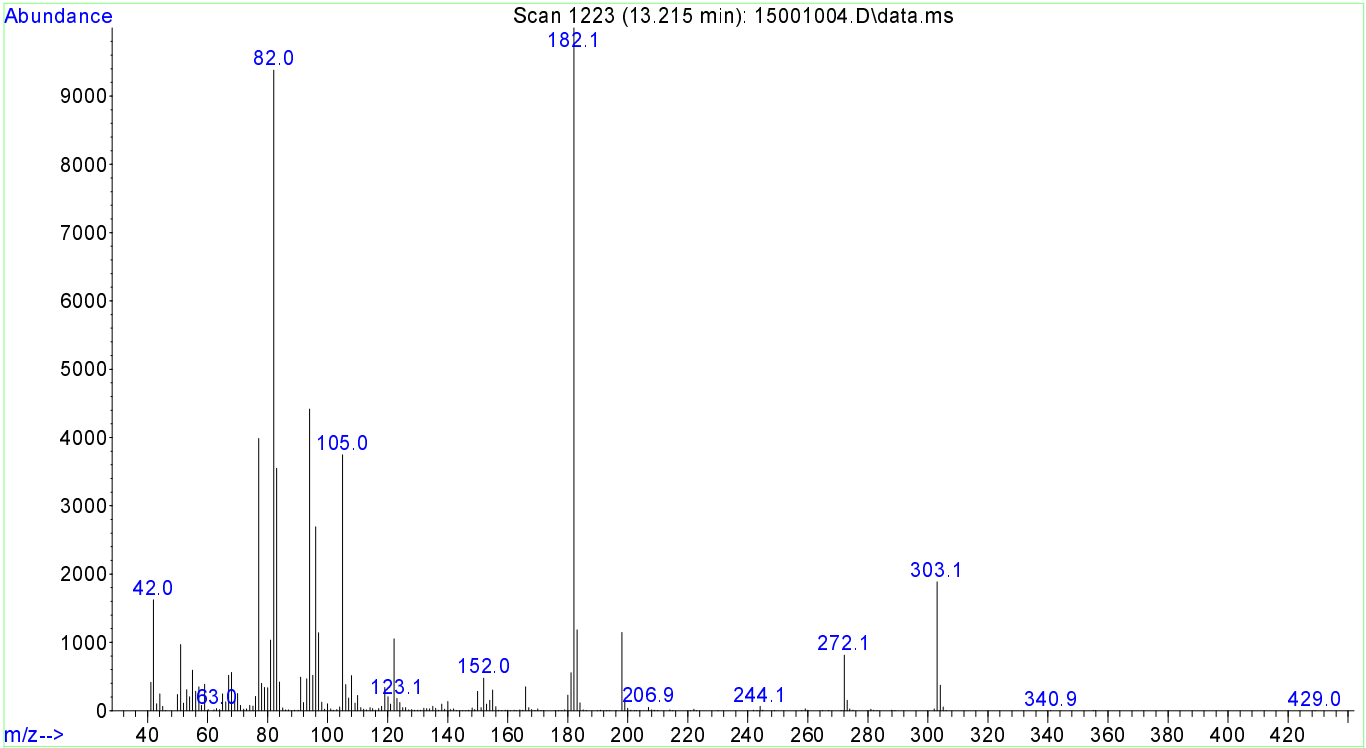


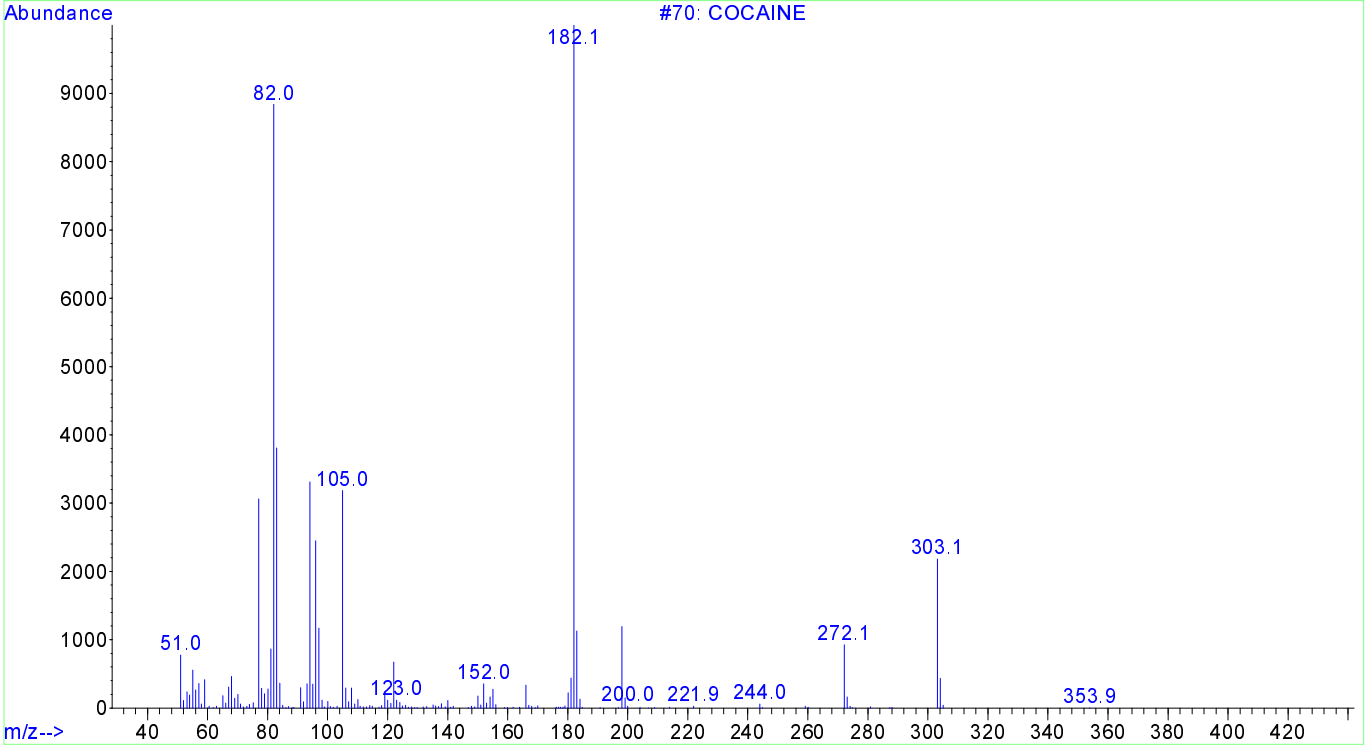
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...          Data\071425\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 14 Jul 2025  08:07     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```



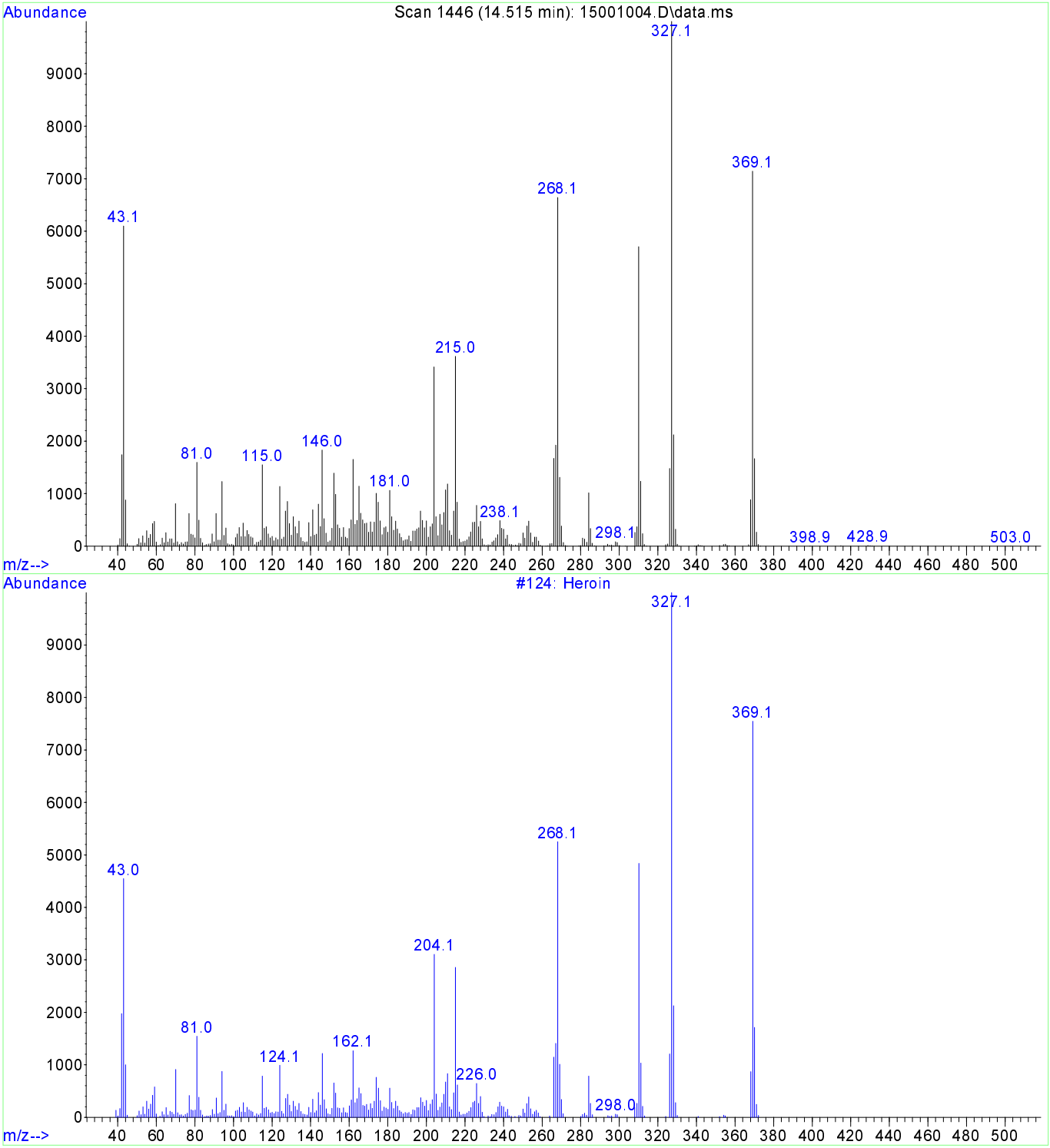


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...          Data\071425\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 14 Jul 2025  08:07     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```

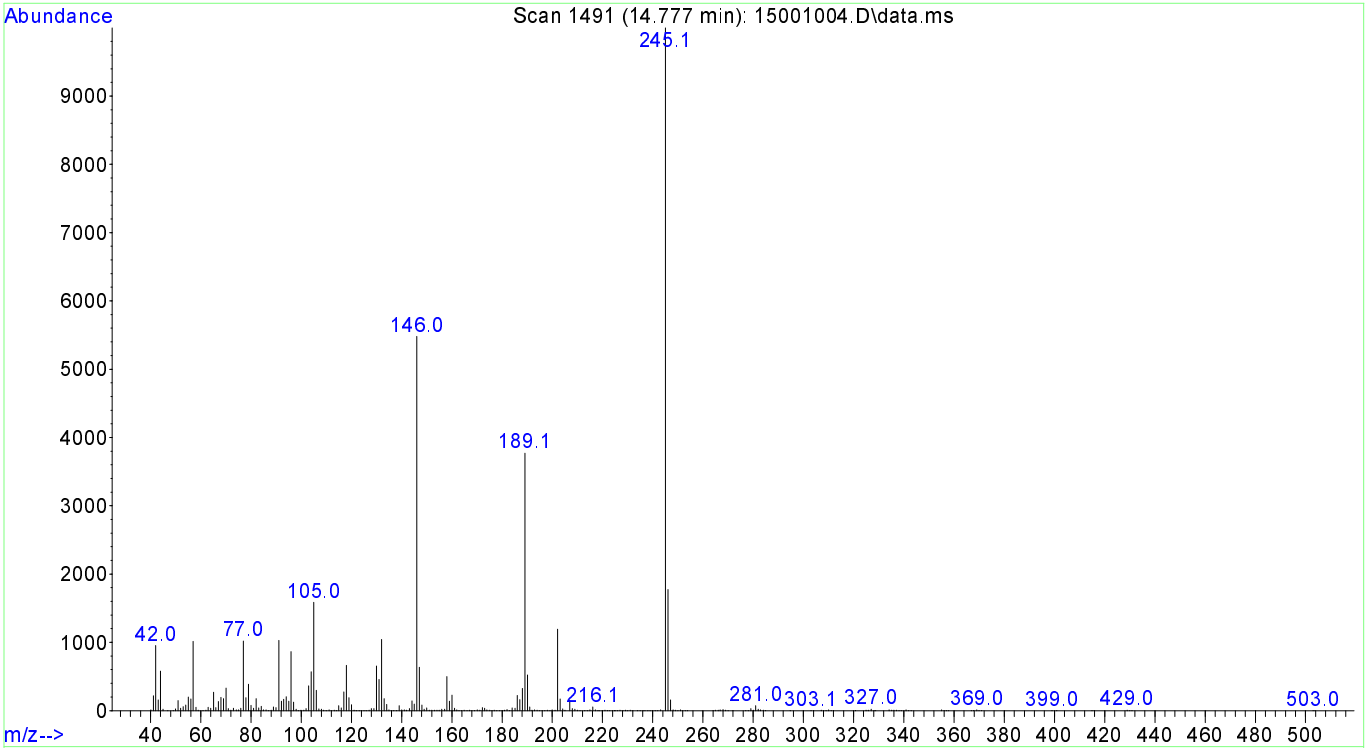


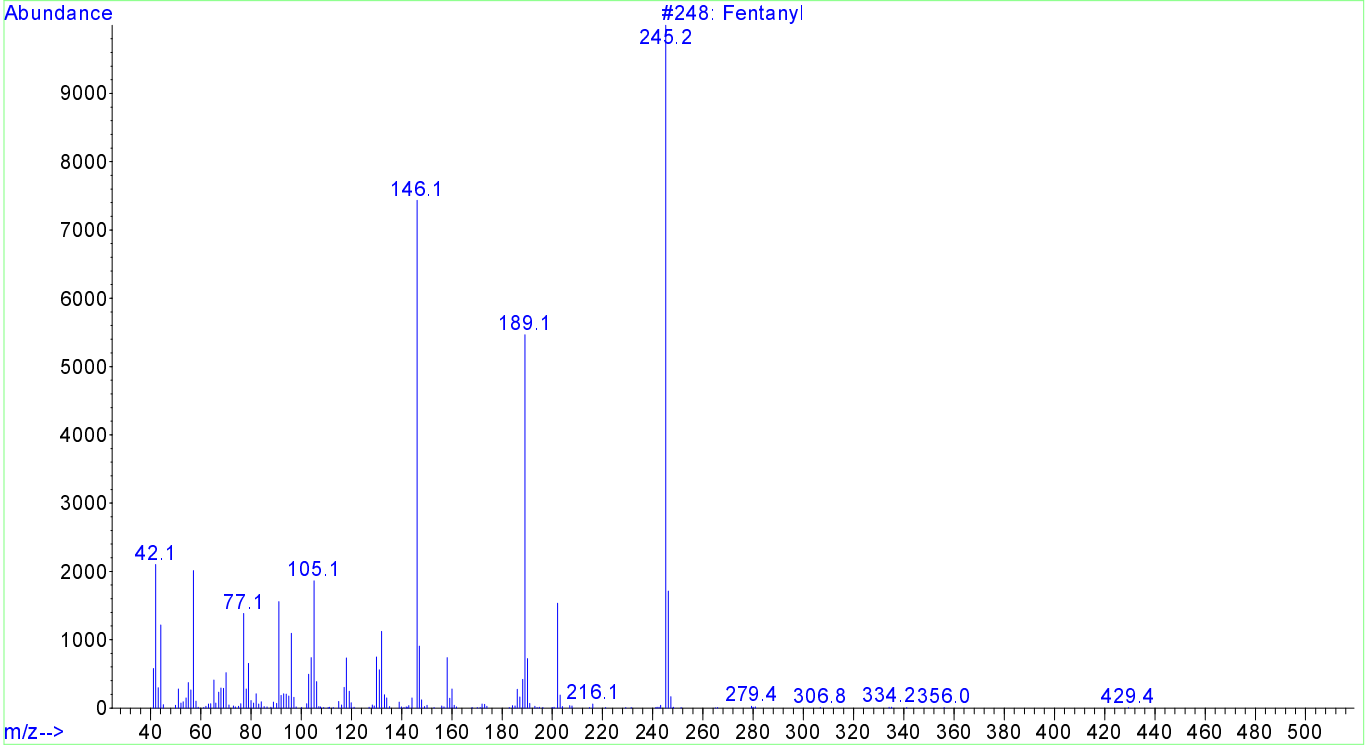


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...          Data\071425\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 14 Jul 2025  08:07     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```

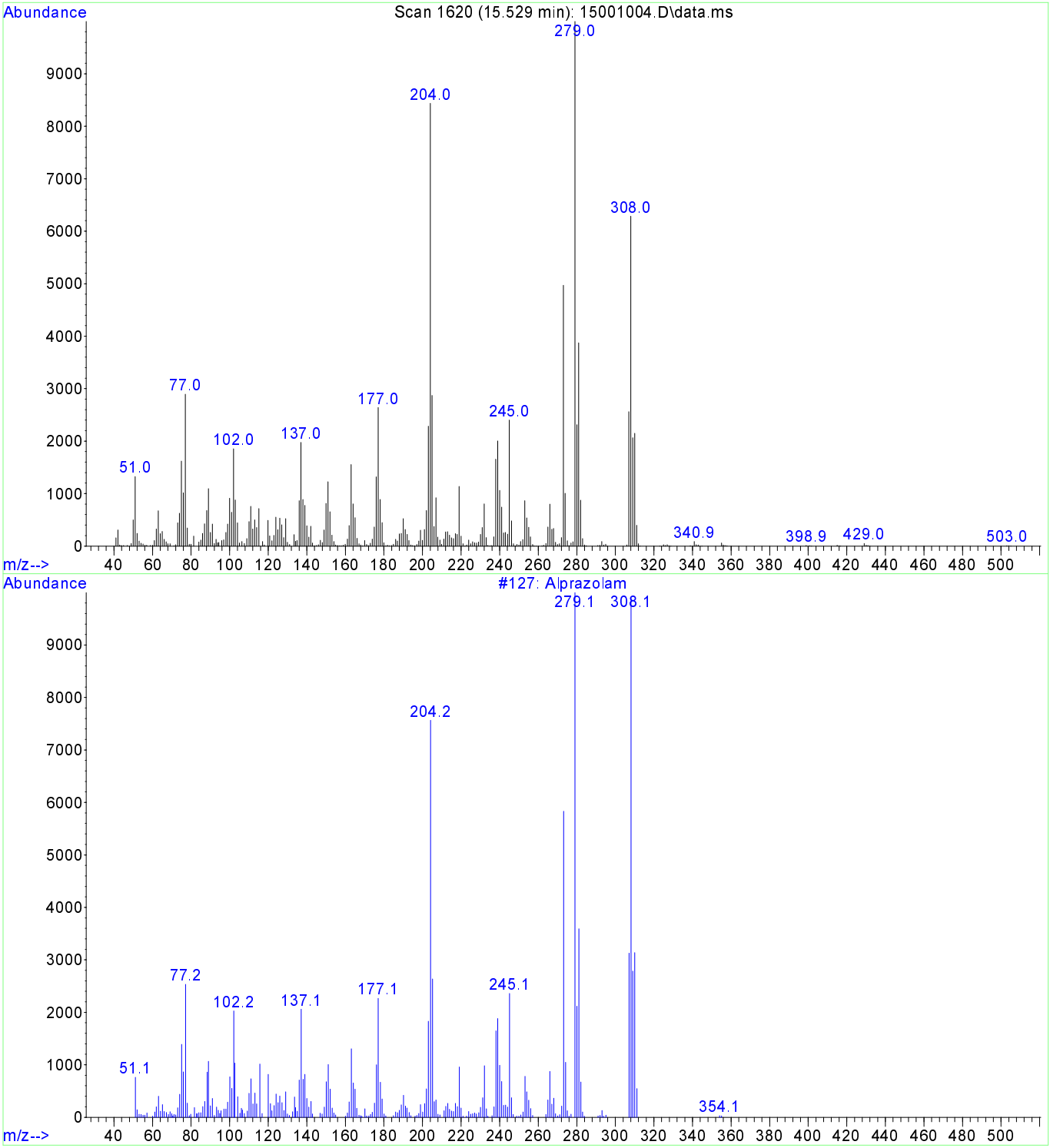


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...          Data\071425\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 14 Jul 2025  08:07     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```

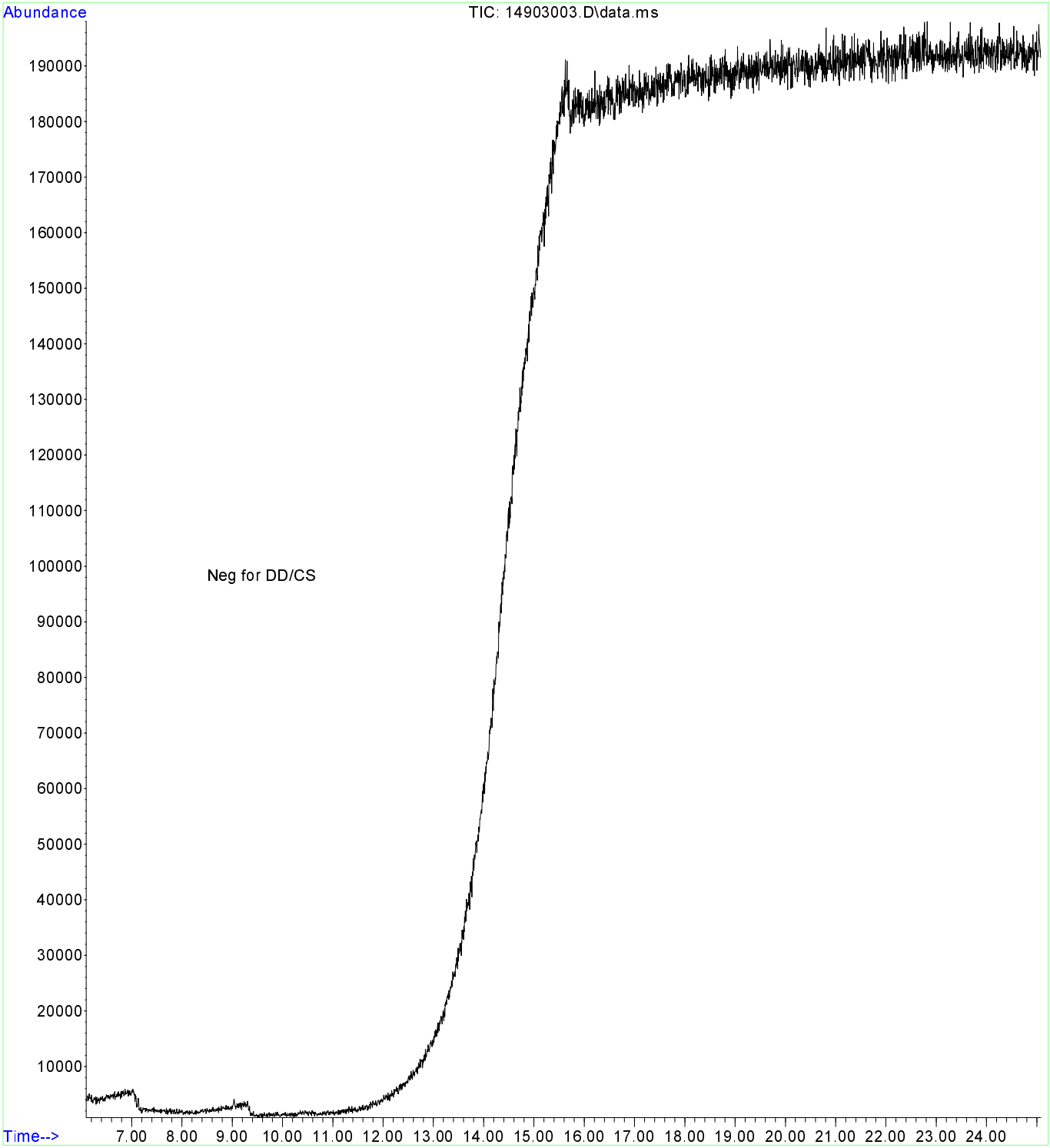




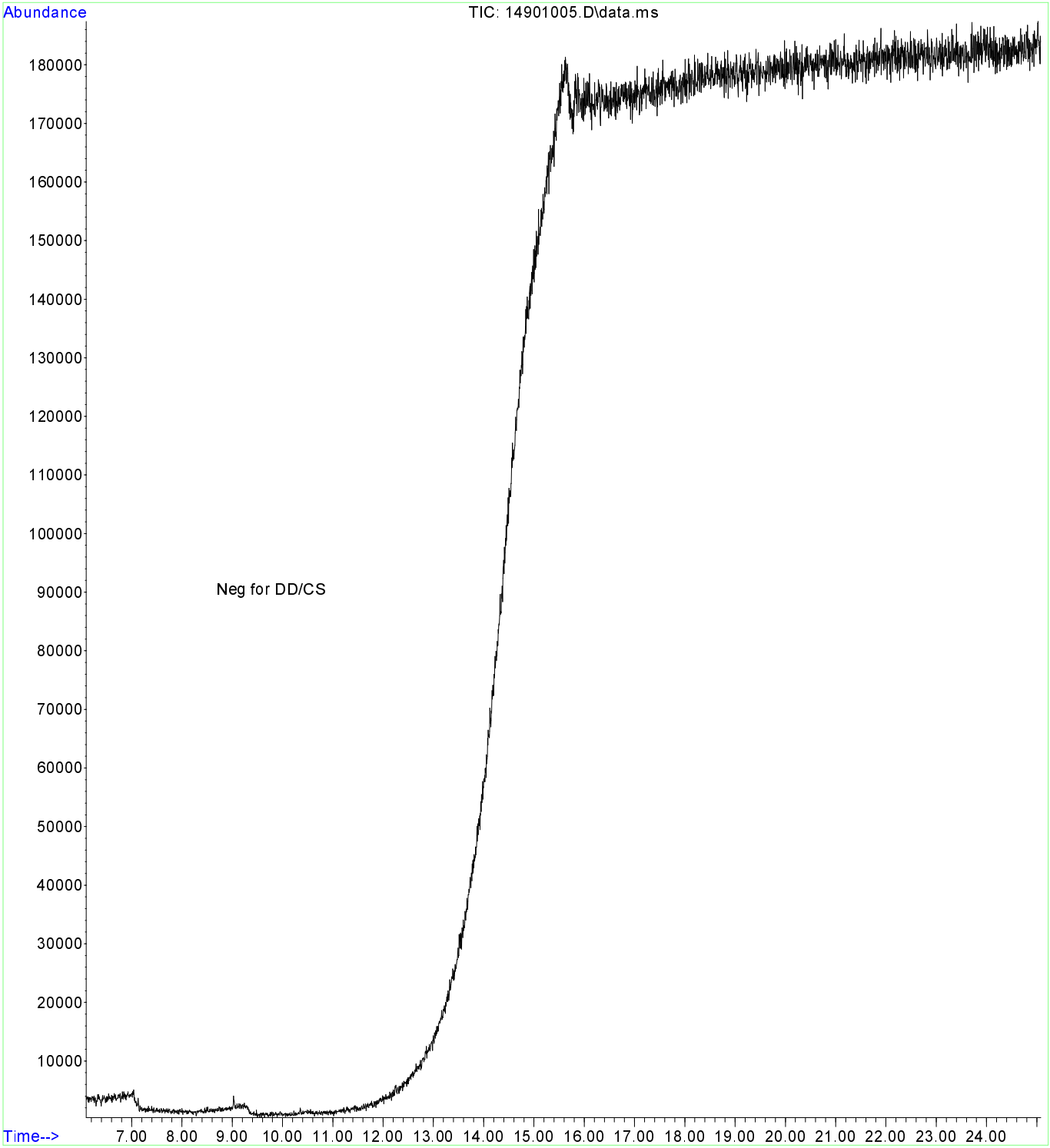
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... Data\071425\15001004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 14 Jul 2025 08:07 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667



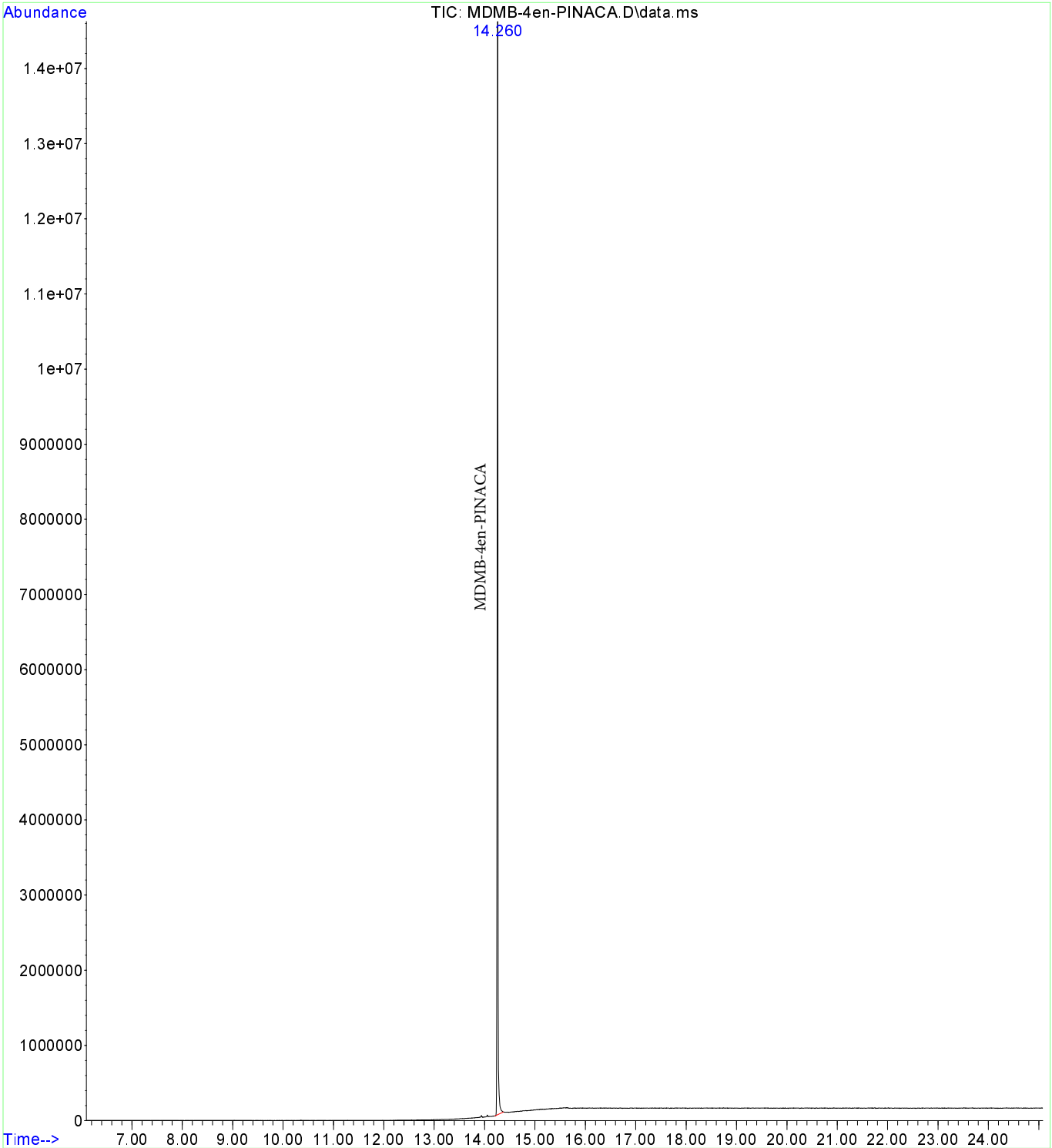
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... Data\071425\14903003.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 14 Jul 2025 07:39 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-19-0068) PRIOR TO CAYMAN GC/MS MIX 3 (R-24-060) 000002666
Misc Info : 000002666



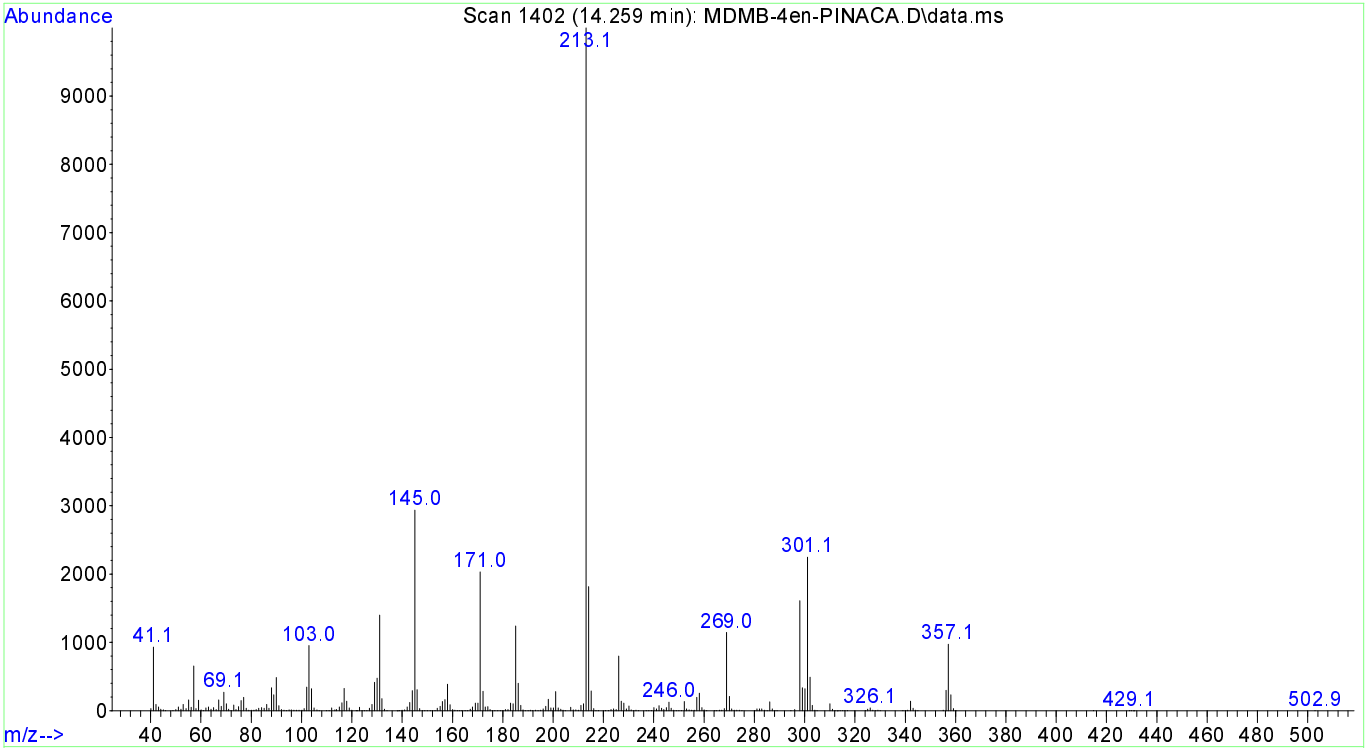
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 14 Jul 2025  08:36     using AcqMethod DrugTest35.M
Sample Name: BLANK (C-19-0068) - INSTRUMENT READY           000002666
Misc Info  :                                                000002666
```

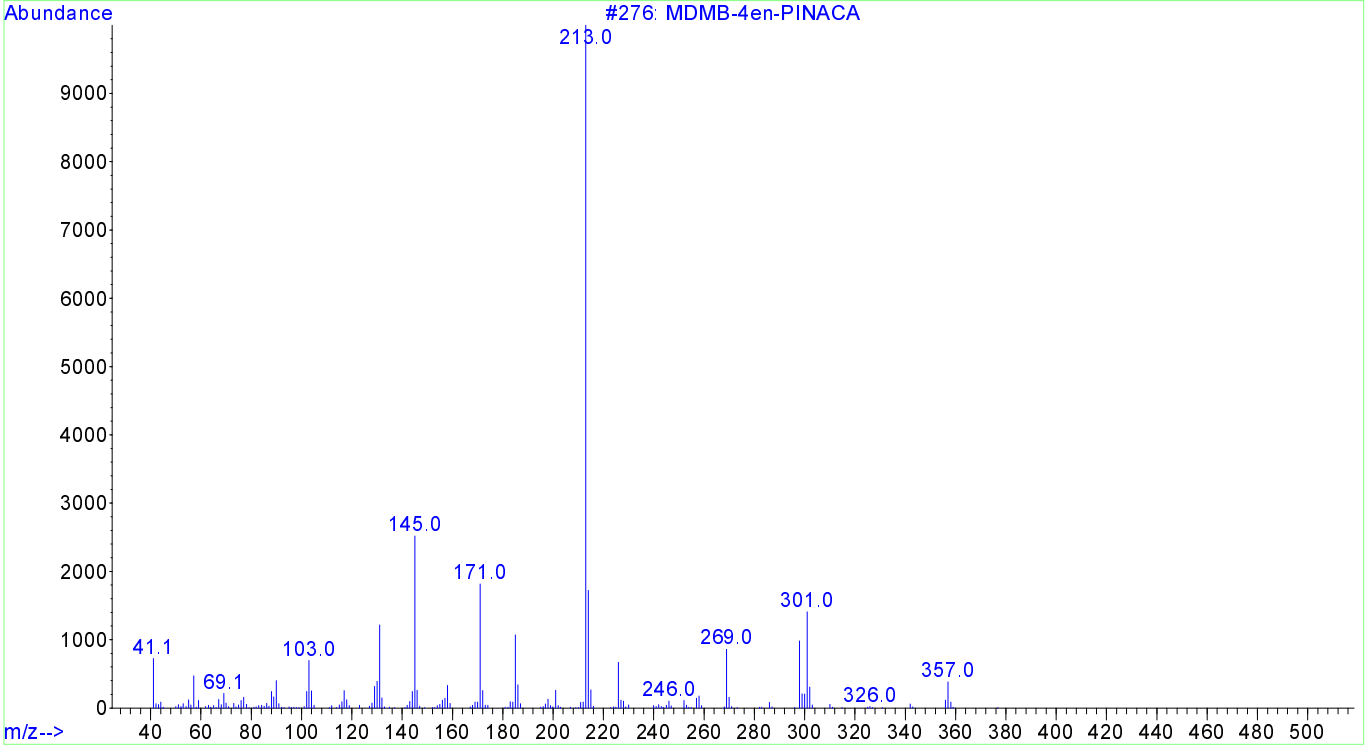


File :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\071725\MDMB-4en-P
... INACA.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 17 Jul 2025 08:13 using AcqMethod DrugTest35.M
Sample Name: MDMB-4en-PINACA Std (R-22-032) 000001341
Misc Info : RT determination 000001341

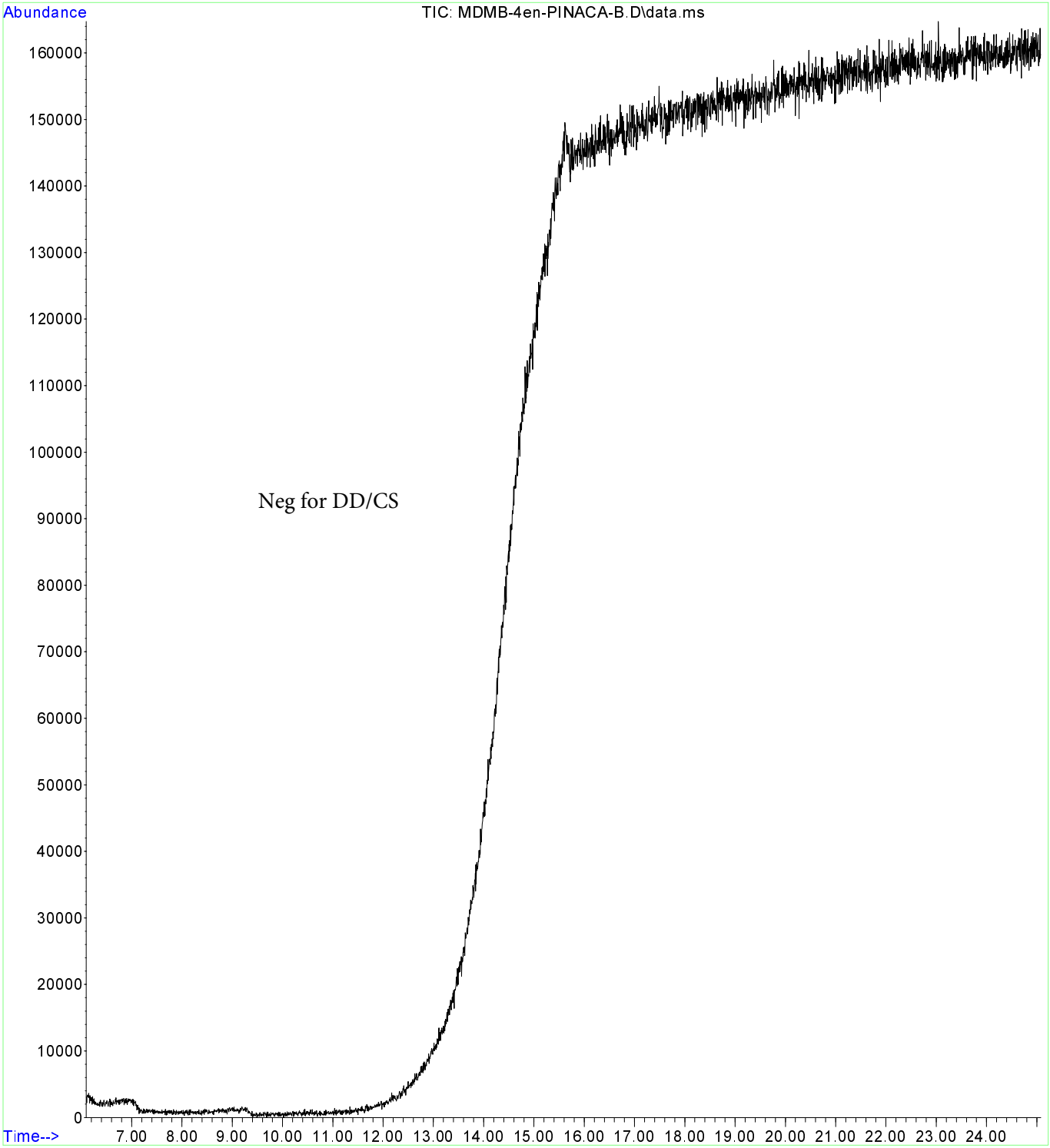


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...         INACA.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 17 Jul 2025  08:13     using AcqMethod DrugTest35.M
Sample Name: MDMB-4en-PINACA Std (R-22-032)                  000001341
Misc Info  : RT determination                                000001341
```





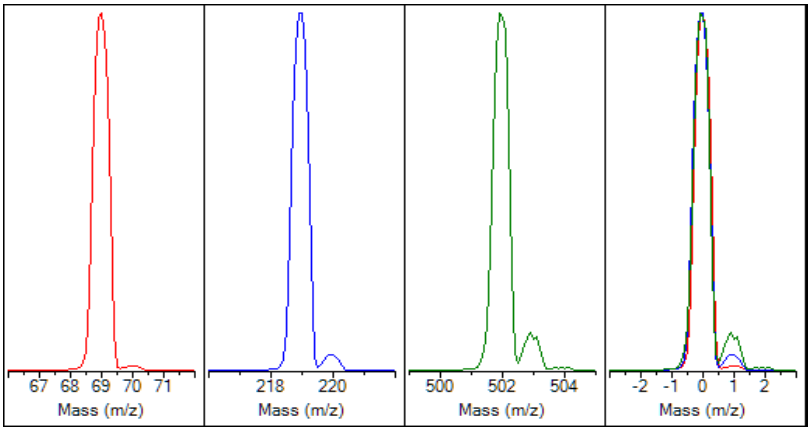
File :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\071725\MDMB-4en-P
... INACA-B.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 17 Jul 2025 07:44 using AcqMethod DrugTest35.M
Sample Name: blank prior to MDMB-4en-PINACA Std (R-22-032) 000002314
Misc Info : EtAc (C-22-0063A) 000002314



Autotune - 5977

7/21/2025 6:44:20 AM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



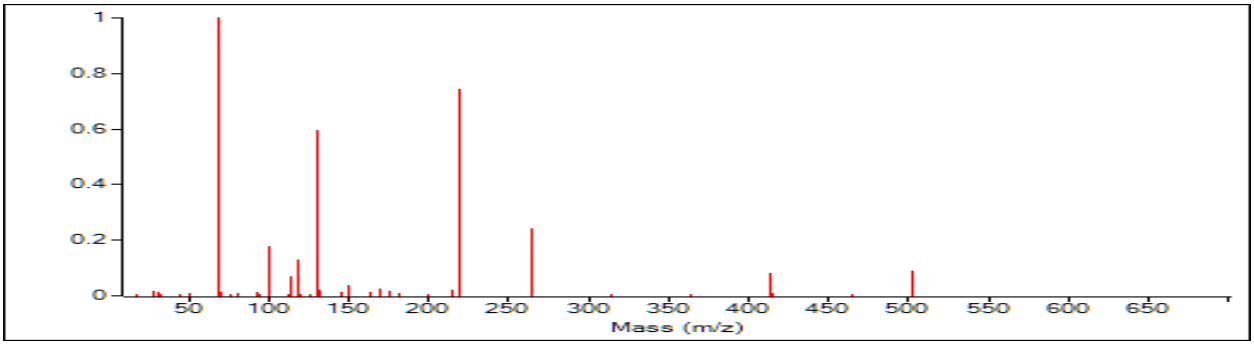
Ion Polarity	Pos	Mass Gain	-359
Emission	34.6	Mass Offset	-35
Electron Energy	70.0	Amu Gain	1673
Filament	2	Amu Offset	121.00
Repeller	30.91	Width219	-0.019
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	20.2	HED Enable	On
Ent Lens Offset	12.19	EM Volts	1876.4
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.96e-06

Mass	Abund	Rel Abund	Pw50
69.00	361,863	100.0%	0.60
218.90	268,721	74.3%	0.61
501.90	30,897	8.5%	0.59

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	93	69.00	351,424	1,228,405



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	351,424	100.00	70.00	3,869	1.10
219.00	260,928	74.25	220.00	11,014	4.22
502.00	30,776	8.76	503.00	3,290	10.69

Air/Water Check: H20 ~0.5% N2 ~1.8% O2 ~0.6% CO2 ~0.2% N2/H20 ~335.5%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 93053.192

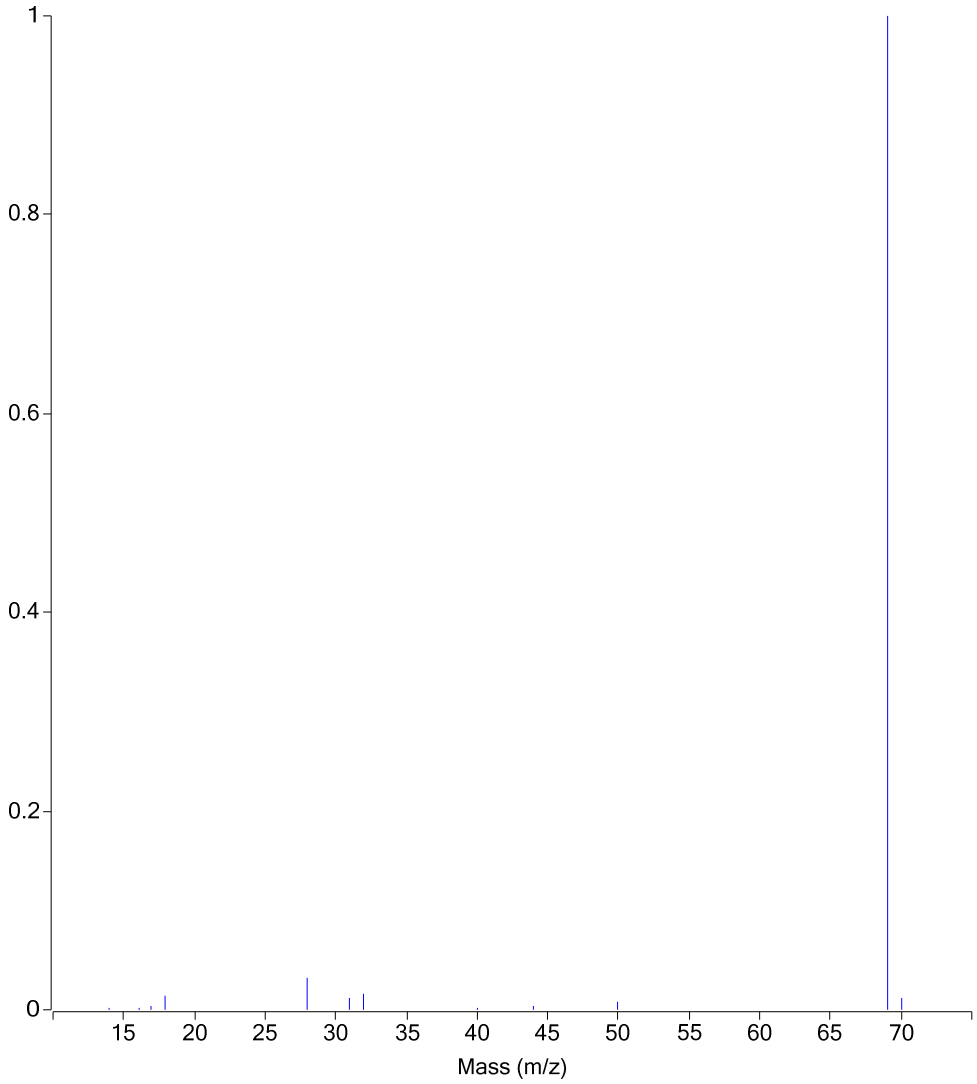
Repeller maximum 35 volts using ion 219; Gain Factor 0.9305

Mass Gain Values(Scan Speed): -358(3) -351(2) -360(1) -338(0) -285(FS1) -371(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	121.0	121.0	121.0	121.0	121.0	121.0	121.0
Entrance Lens Offset	12.2	12.2	12.2	12.2	12.2	12.2	12.2

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Mon Jul 21 06:35:33 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	1.44	Water%	(counts=15221)
28/69 =	3.31	Nitrogen%	(counts=34984)
32/69 =	1.62	Oxygen%	(counts=17064)
44/69 =	0.34	Carbon Dioxide%	(counts=3564)
28/18 =	229.84	Nitrogen/Water%	

Instrument Name	: BCCL SD GCMS 3	
DC Polarity	: Positive	
Filament	2	
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	502.99	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.10	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.37	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	78.40	OK
Ratio of 502 to 69 should be > 2.4% and is	9.02	OK
Mass 69 Precursor (<= 3%)	0.17	OK
Mass 219 Precursor (<= 6%)	0.51	OK
Mass 502 Precursor (<= 12%)	0.88	OK

597x Air and Water Check

Mon Jul 21 06:54:17 2025	Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u	US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.43	OK
Ratio of 28 to 69 (<10%)	1.70	OK
Electron Multiplier Voltage	1876	OK

Tune portion of System Verification passed.

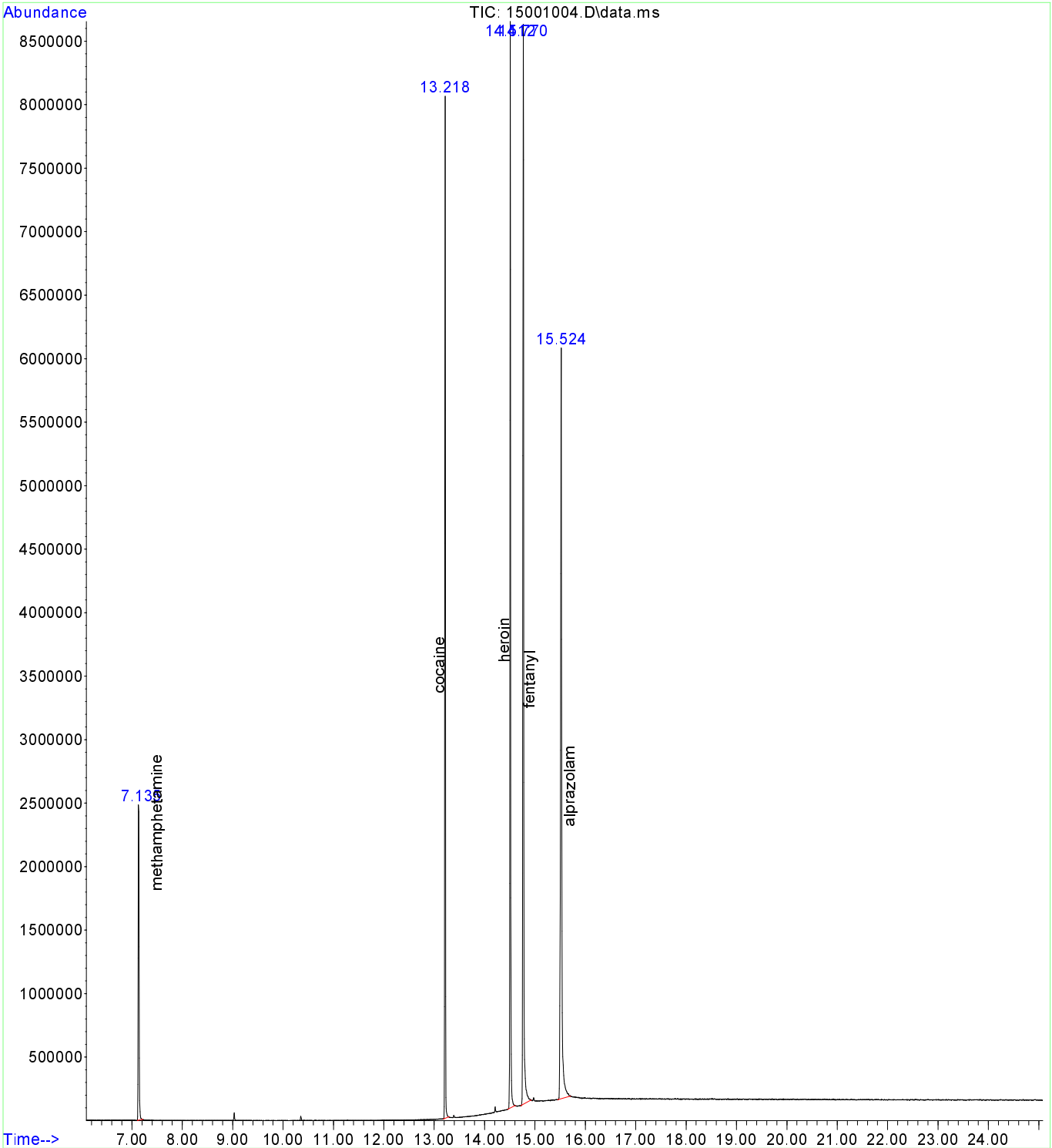
BCCL GC/MS #3
Retention Times for the Week of:

07/21/2025 - 07/27/2025

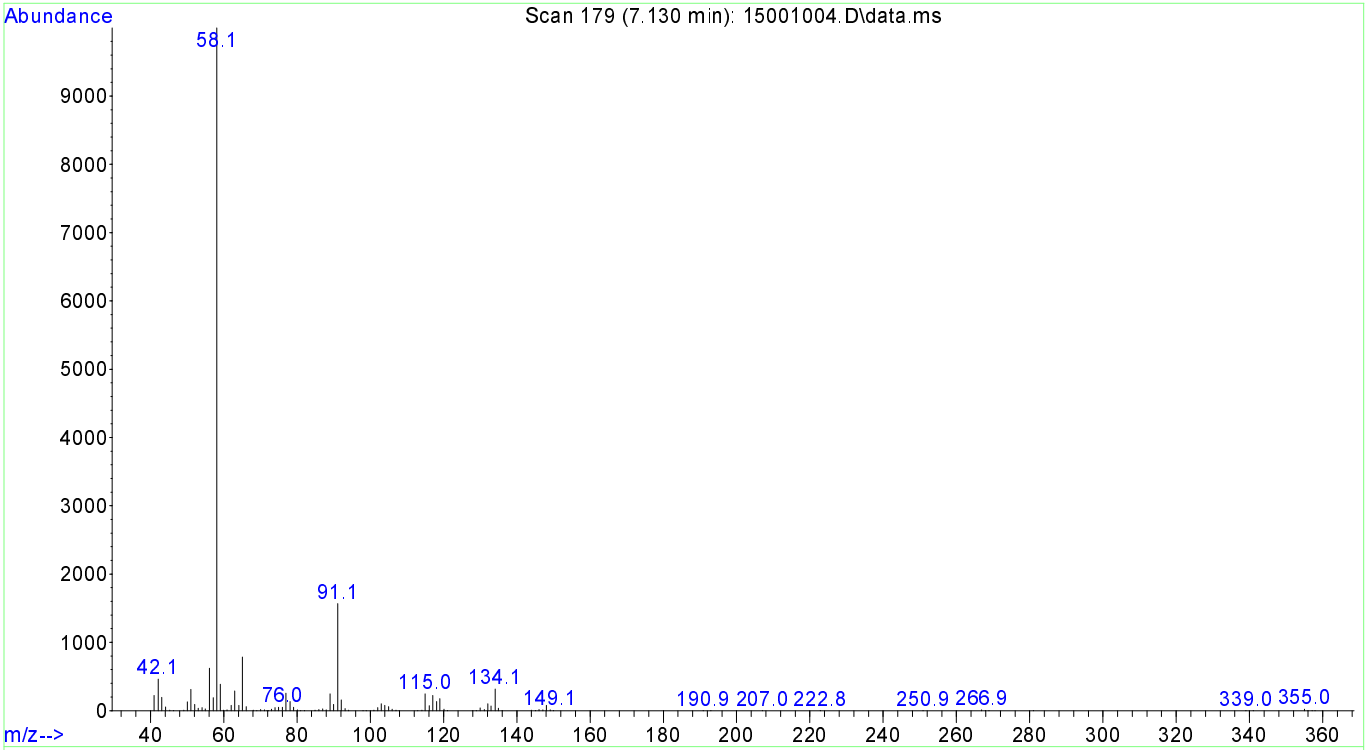
[X] **Tune: KB 07/21/2025 - Autotune**

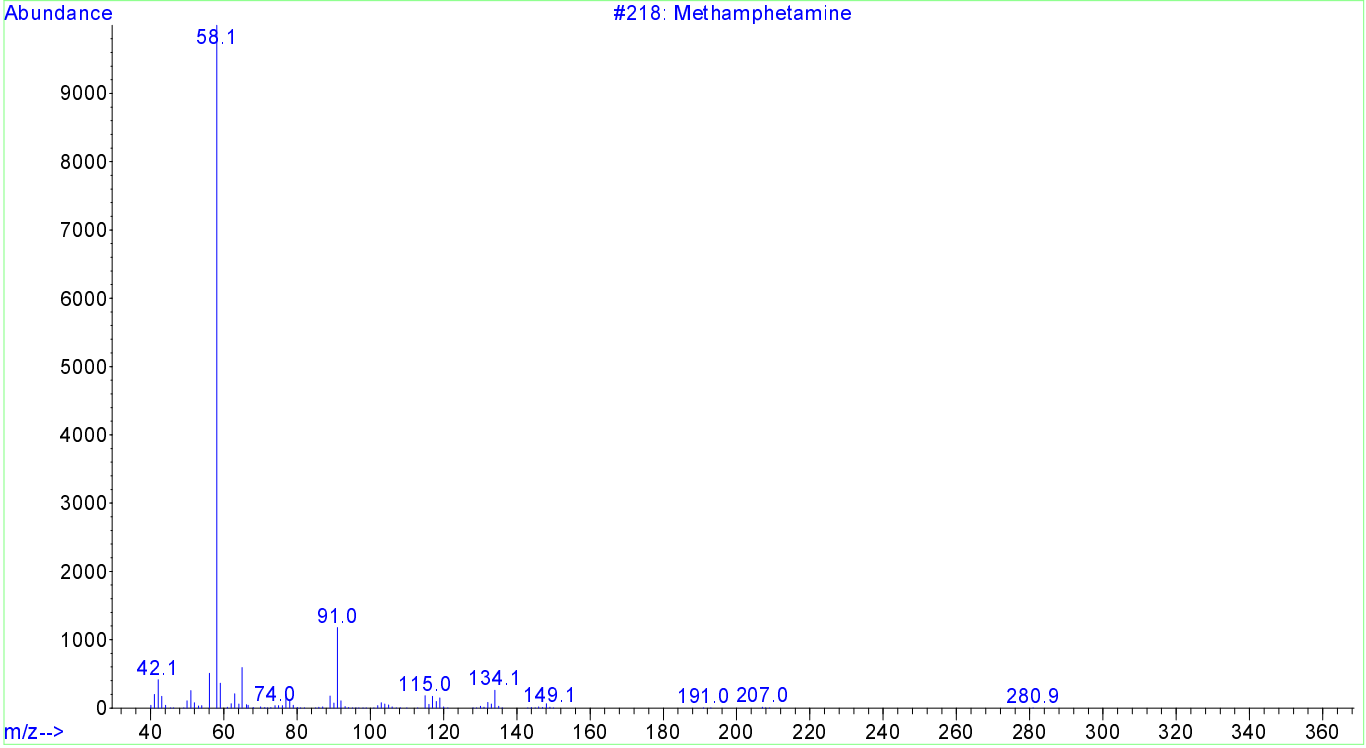
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-24-060	DrugTest35	7.135	7.063	7.206
Cocaine	R-24-060	DrugTest35	13.218	13.085	13.350
Heroin	R-24-060	DrugTest35	14.512	14.366	14.657
Fentanyl	R-24-060	DrugTest35	14.770	14.622	14.917
Alprazolam	R-24-060	DrugTest35	15.524	15.368	15.679

```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\072125\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 21 Jul 2025  08:16     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```

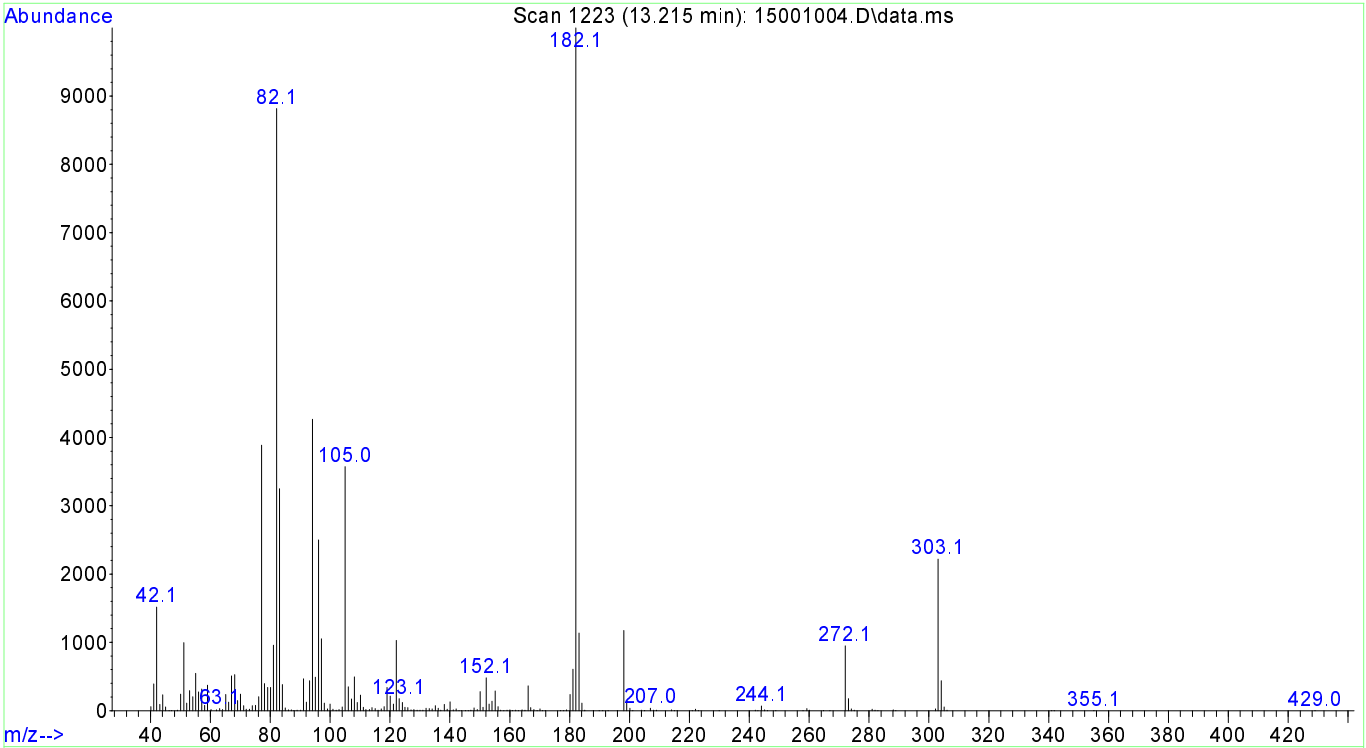


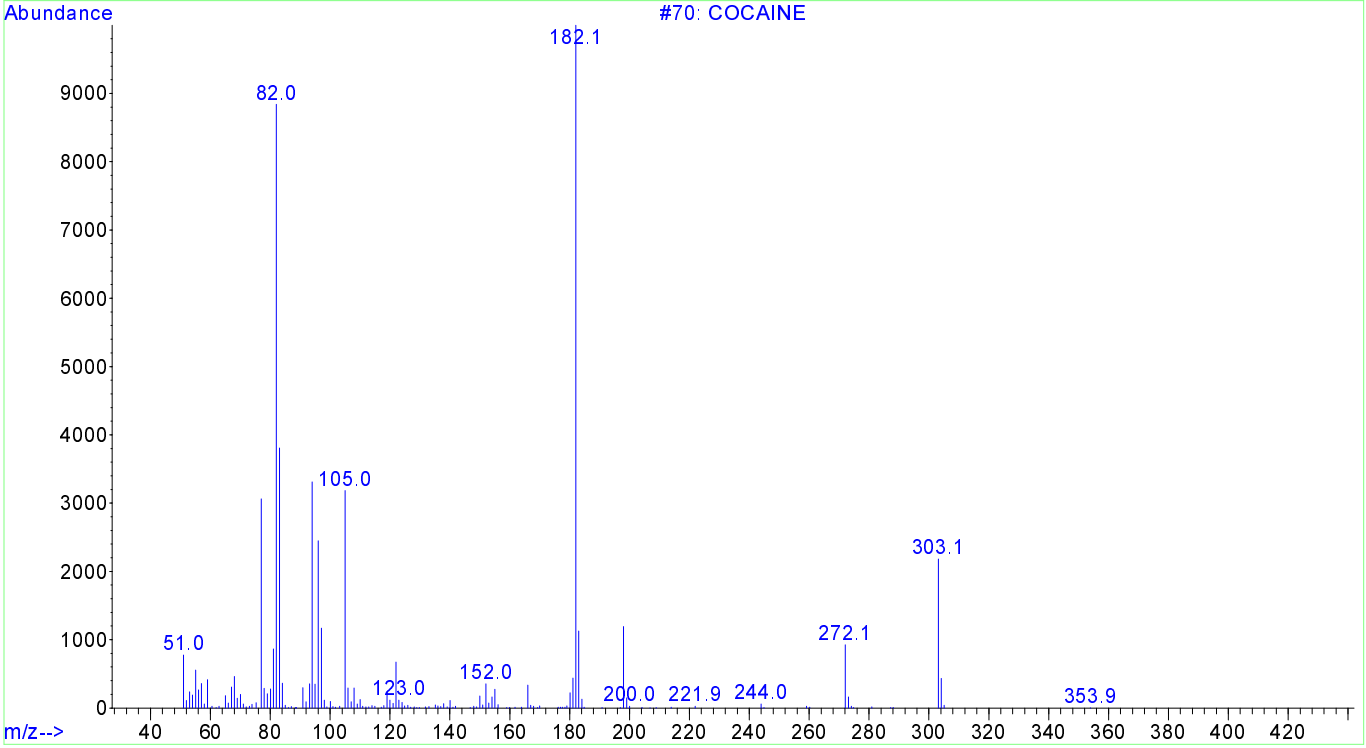
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...          Data\072125\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 21 Jul 2025  08:16     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```



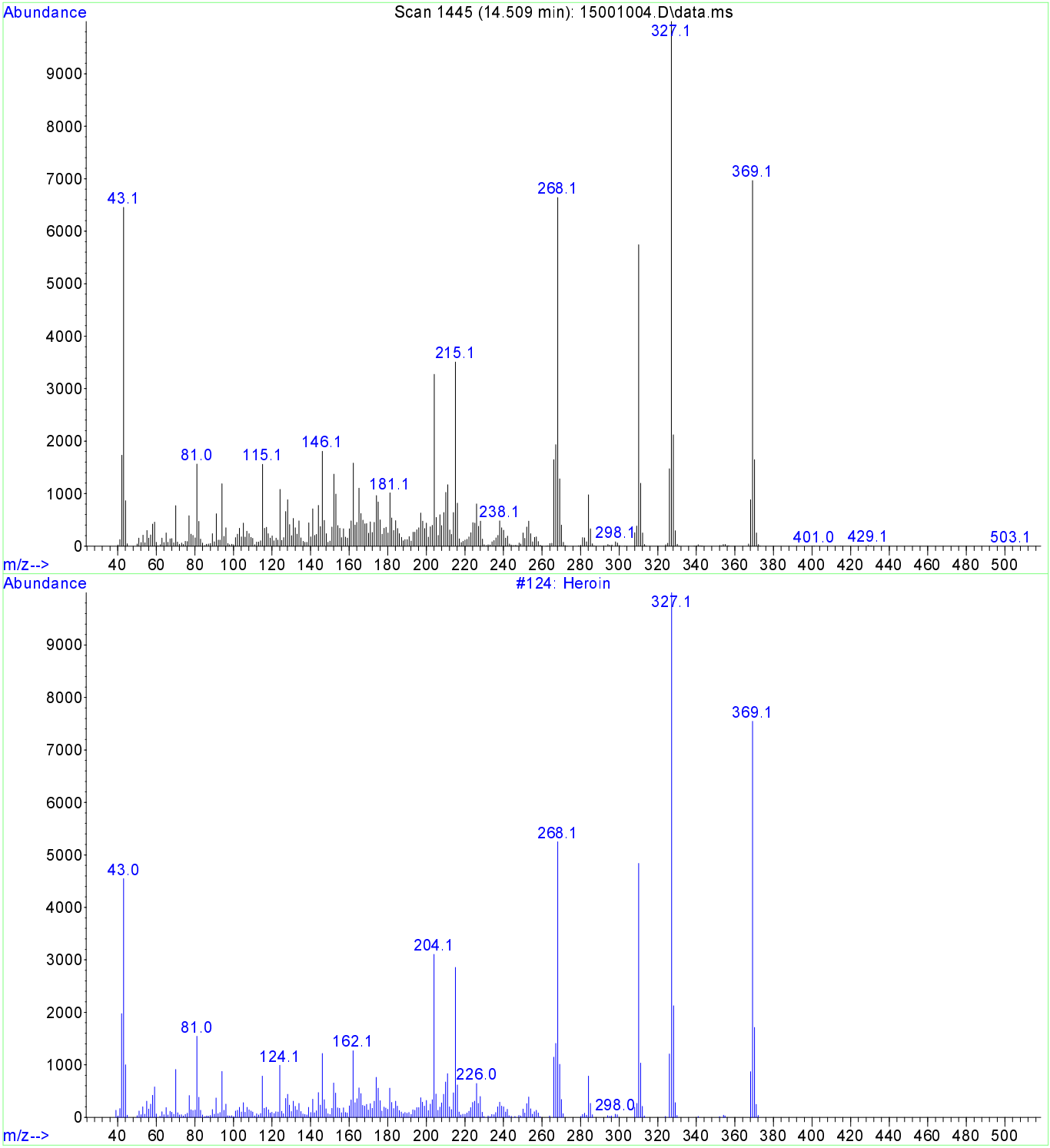


File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\072125\15001004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 21 Jul 2025 08:16 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667

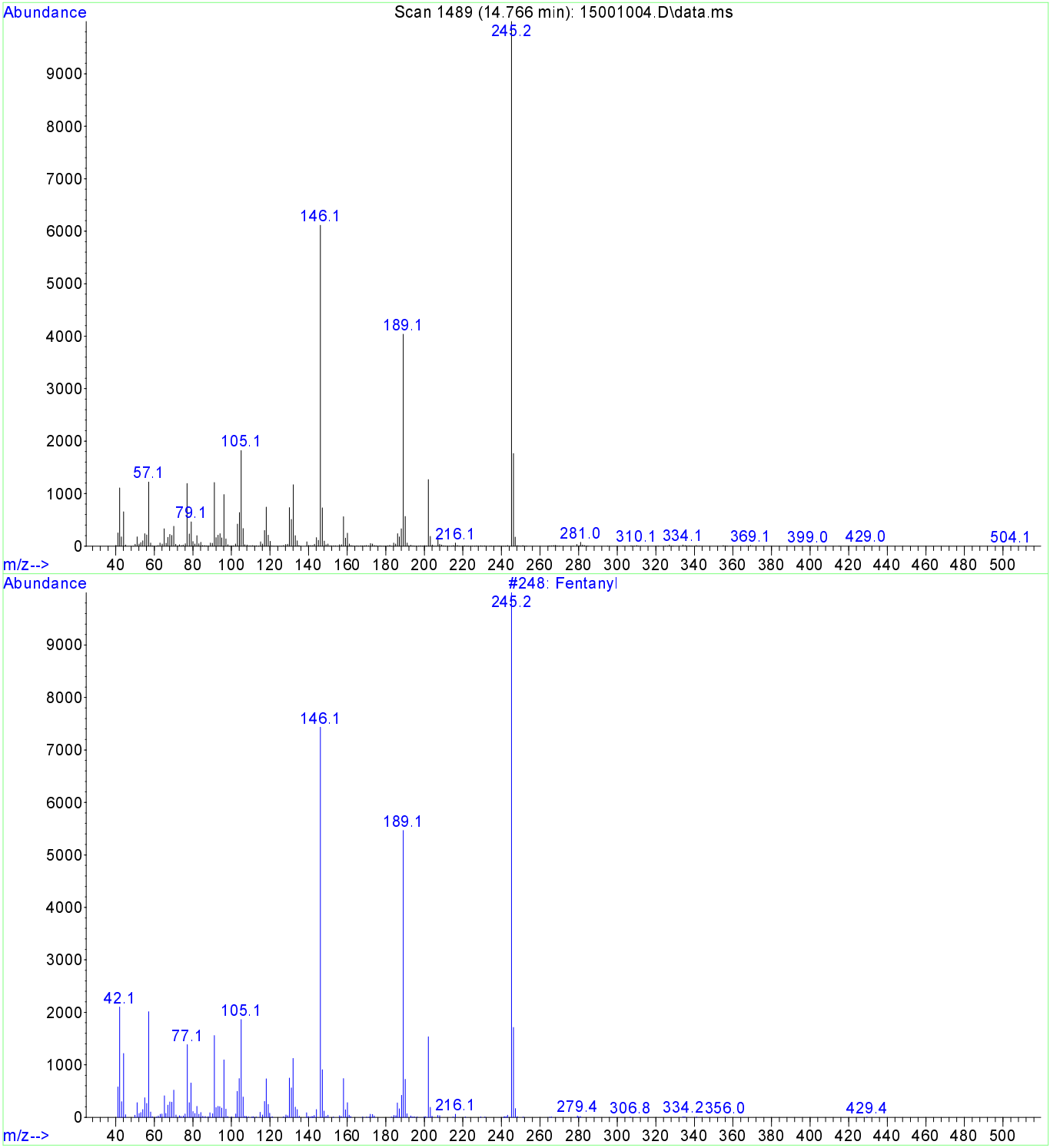




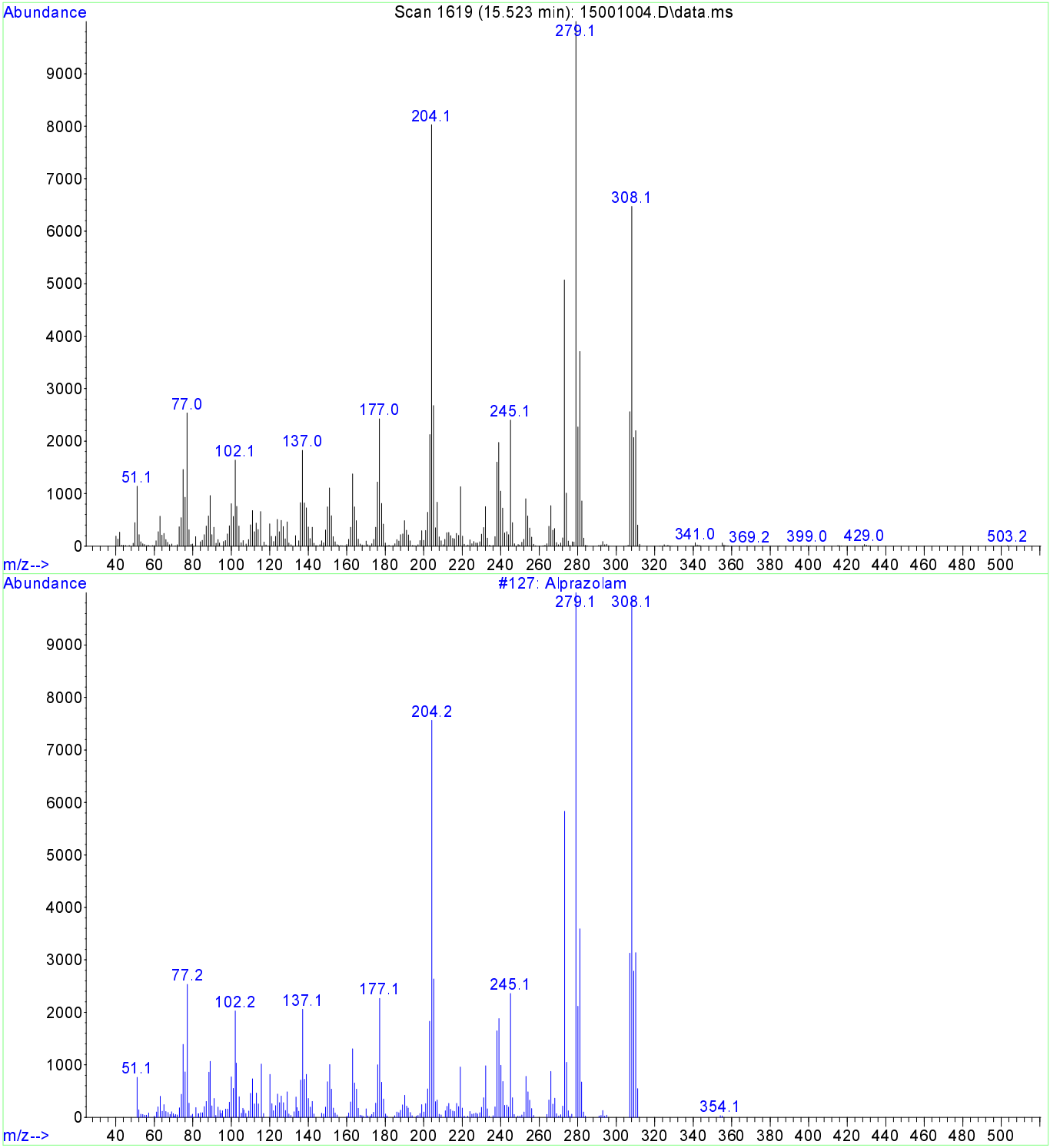
File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\072125\15001004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 21 Jul 2025 08:16 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667



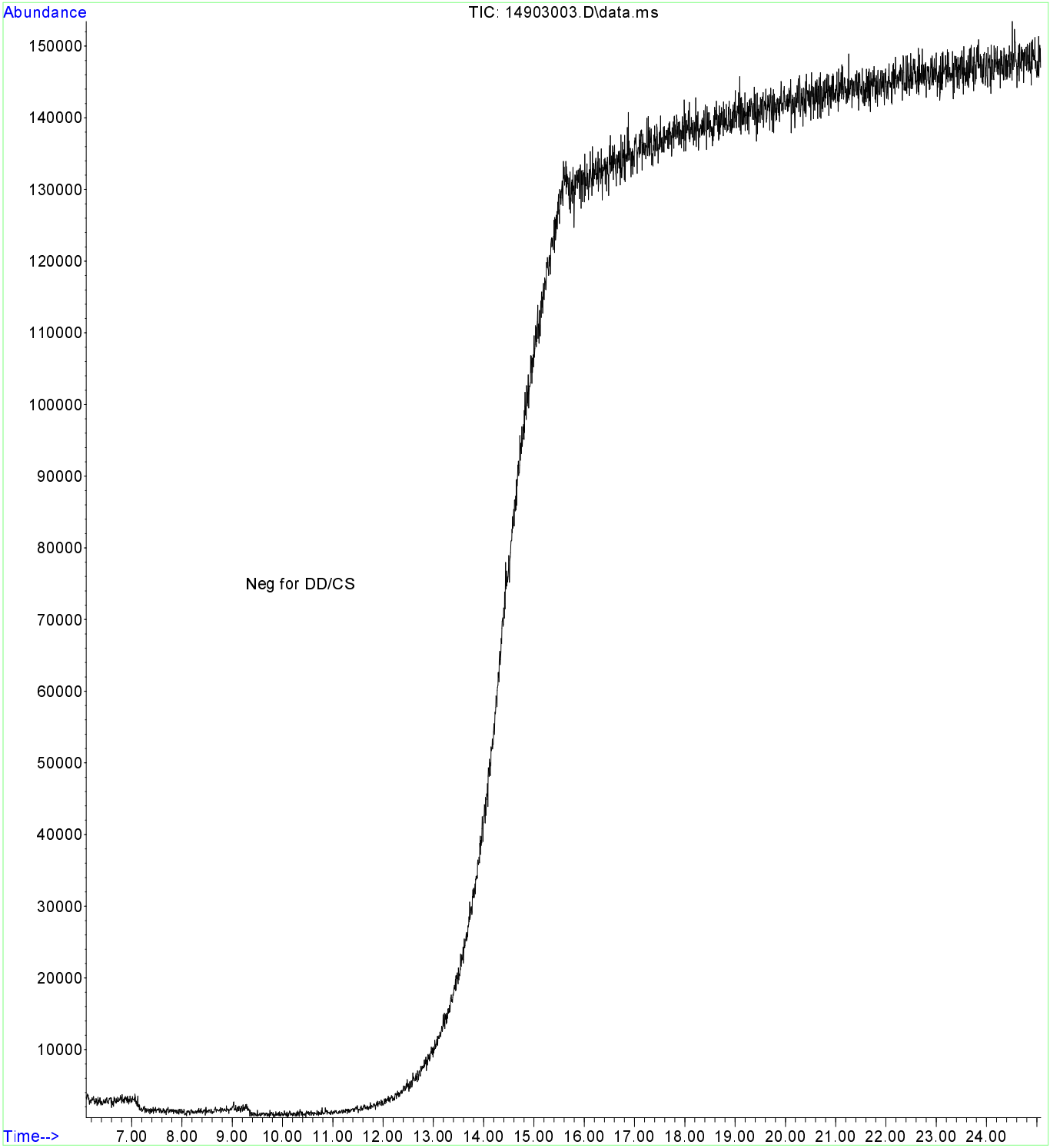
File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\072125\15001004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 21 Jul 2025 08:16 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667



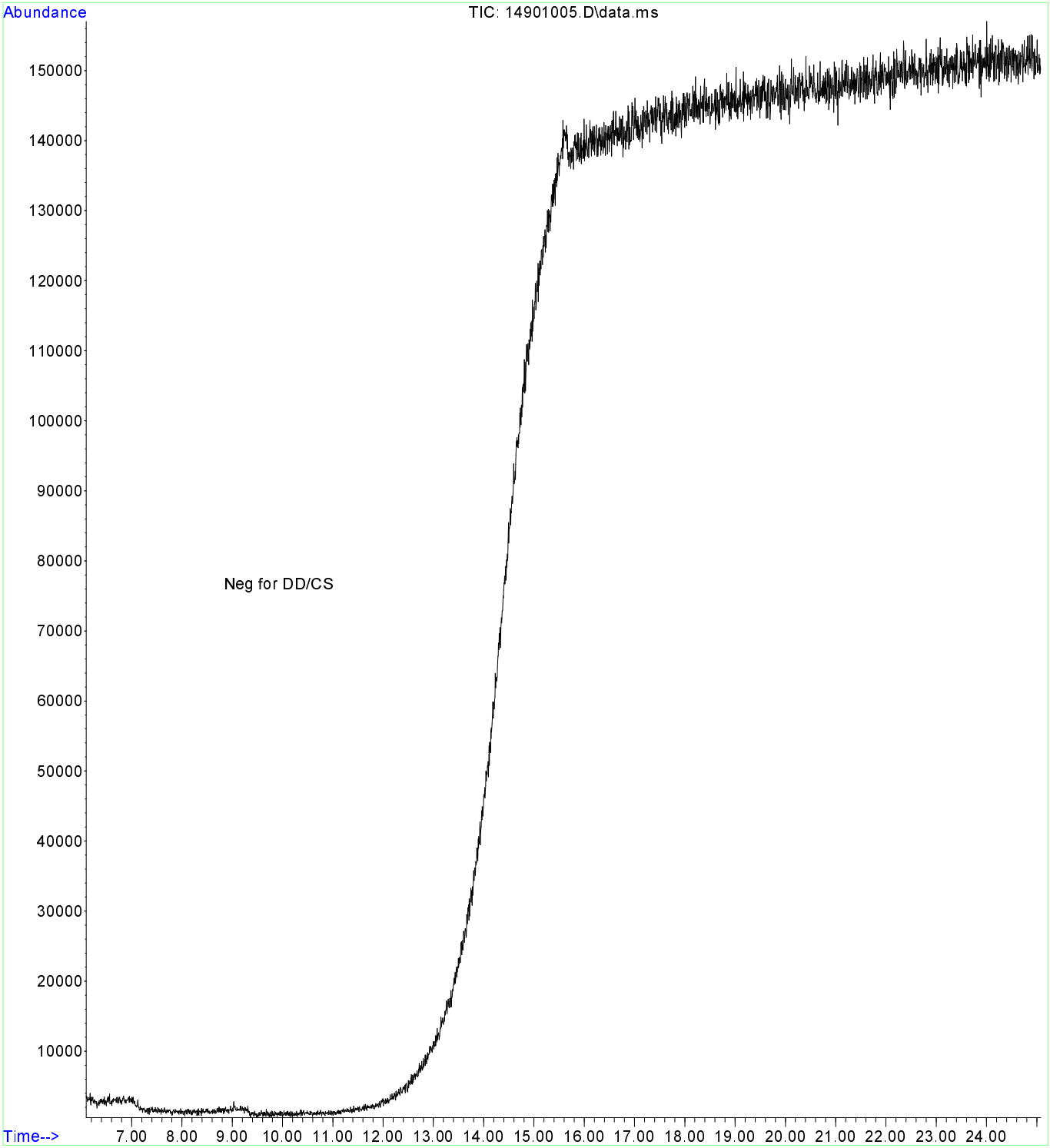
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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\072125\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 21 Jul 2025  08:16     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```



File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\072125\14903003.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 21 Jul 2025 07:48 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-19-0068) PRIOR TO CAYMAN GC/MS MIX 3 (R-24-060) 000002666
Misc Info : 000002666



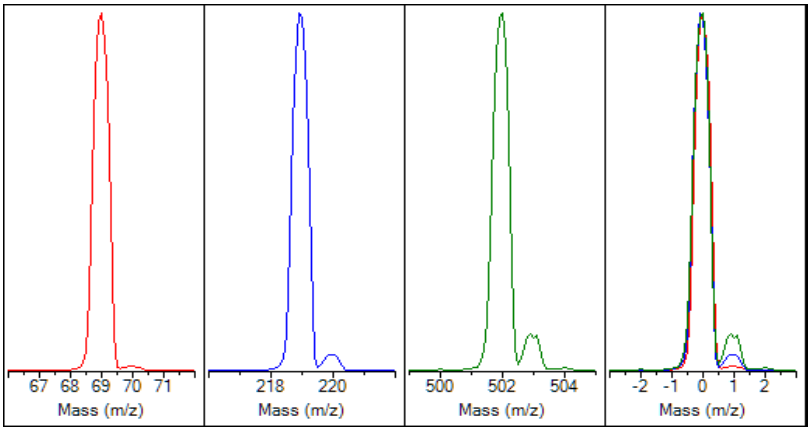
File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\072125\14901005.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 21 Jul 2025 08:45 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-19-0068) - INSTRUMENT READY 000002666
Misc Info : 000002666



Autotune - 5977

7/28/2025 6:58:02 AM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



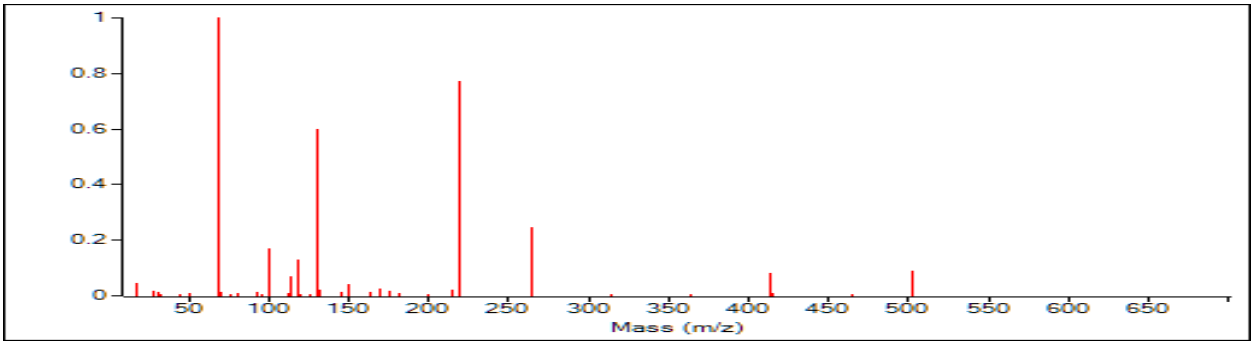
Ion Polarity	Pos	Mass Gain	-359
Emission	34.6	Mass Offset	-35
Electron Energy	70.0	Amu Gain	1671
Filament	2	Amu Offset	121.06
Repeller	31.11	Width219	-0.021
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	20.2	HED Enable	On
Ent Lens Offset	12.19	EM Volts	1876.4
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.81e-06

Mass	Abund	Rel Abund	Pw50
69.00	384,772	100.0%	0.60
218.90	295,234	76.7%	0.60
502.00	33,424	8.7%	0.60

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	102	69.00	368,896	1,321,631



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	368,896	100.00	70.00	4,162	1.13
219.00	284,096	77.01	220.00	12,315	4.33
502.00	32,360	8.77	503.00	3,390	10.48

Air/Water Check: H20 ~4.2% N2 ~1.6% O2 ~0.4% CO2 ~0.5% N2/H20 ~36.8%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 91744.797

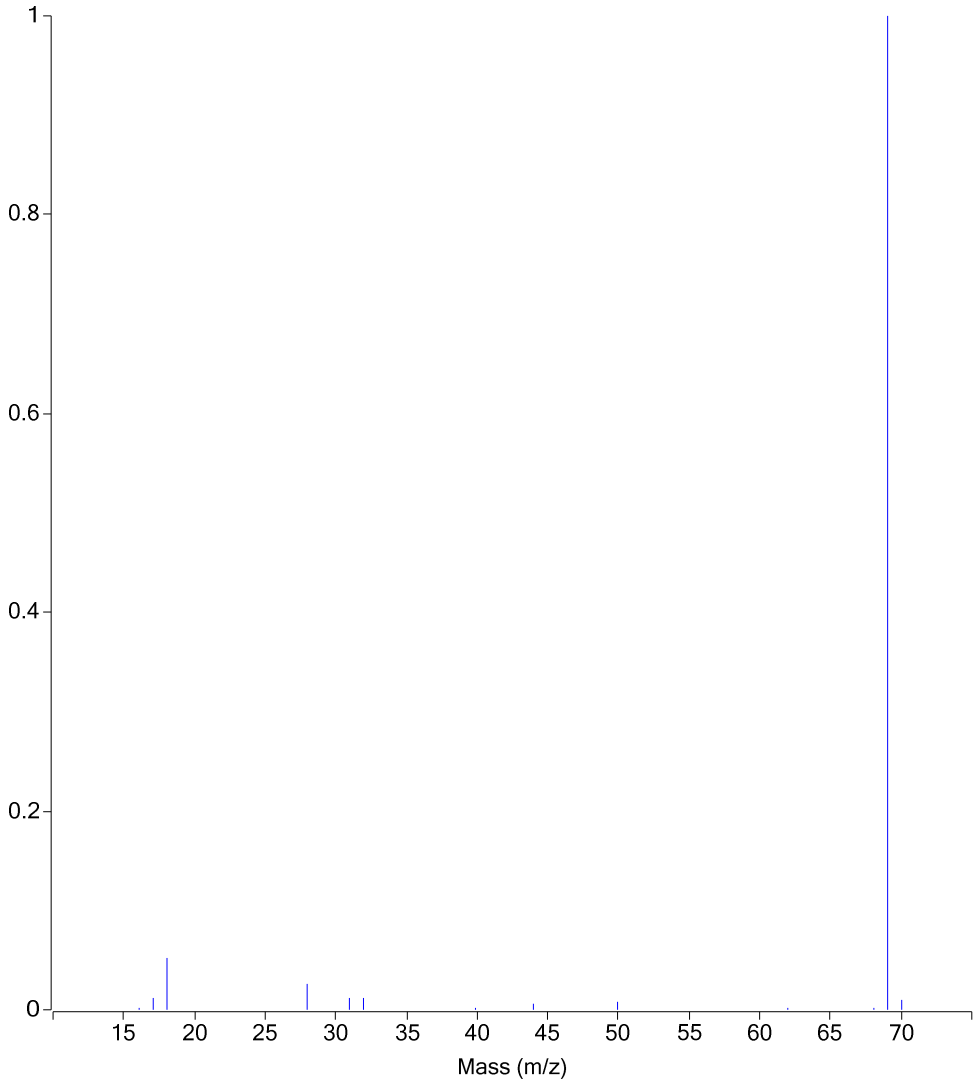
Repeller maximum 35 volts using ion 219; Gain Factor 0.9174

Mass Gain Values(Scan Speed): -355(3) -354(2) -334(1) -336(0) -335(FS1) -248(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	121.1	121.1	121.1	121.1	121.1	121.1	121.1
Entrance Lens Offset	12.2	12.2	12.2	12.2	12.2	12.2	12.2

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Mon Jul 28 06:52:30 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	5.24	Water%	(counts=49728)
28/69 =	2.63	Nitrogen%	(counts=25024)
32/69 =	1.26	Oxygen%	(counts=11955)
44/69 =	0.66	Carbon Dioxide%	(counts=6252)
28/18 =	50.32	Nitrogen/Water%	

Instrument Name : BCCL SD GCMS 3
DC Polarity : Positive
Filament 2

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%)	1.10	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.35	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	78.20	OK
Ratio of 502 to 69 should be > 2.4% and is	9.00	OK
Mass 69 Precursor (<= 3%)	0.18	OK
Mass 219 Precursor (<= 6%)	0.57	OK
Mass 502 Precursor (<= 12%)	0.82	OK

597x Air and Water Check
Mon Jul 28 07:05:40 2025 Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	2.46	OK
Ratio of 28 to 69 (<10%)	1.50	OK
Electron Multiplier Voltage	1876	OK

Tune portion of System Verification passed.

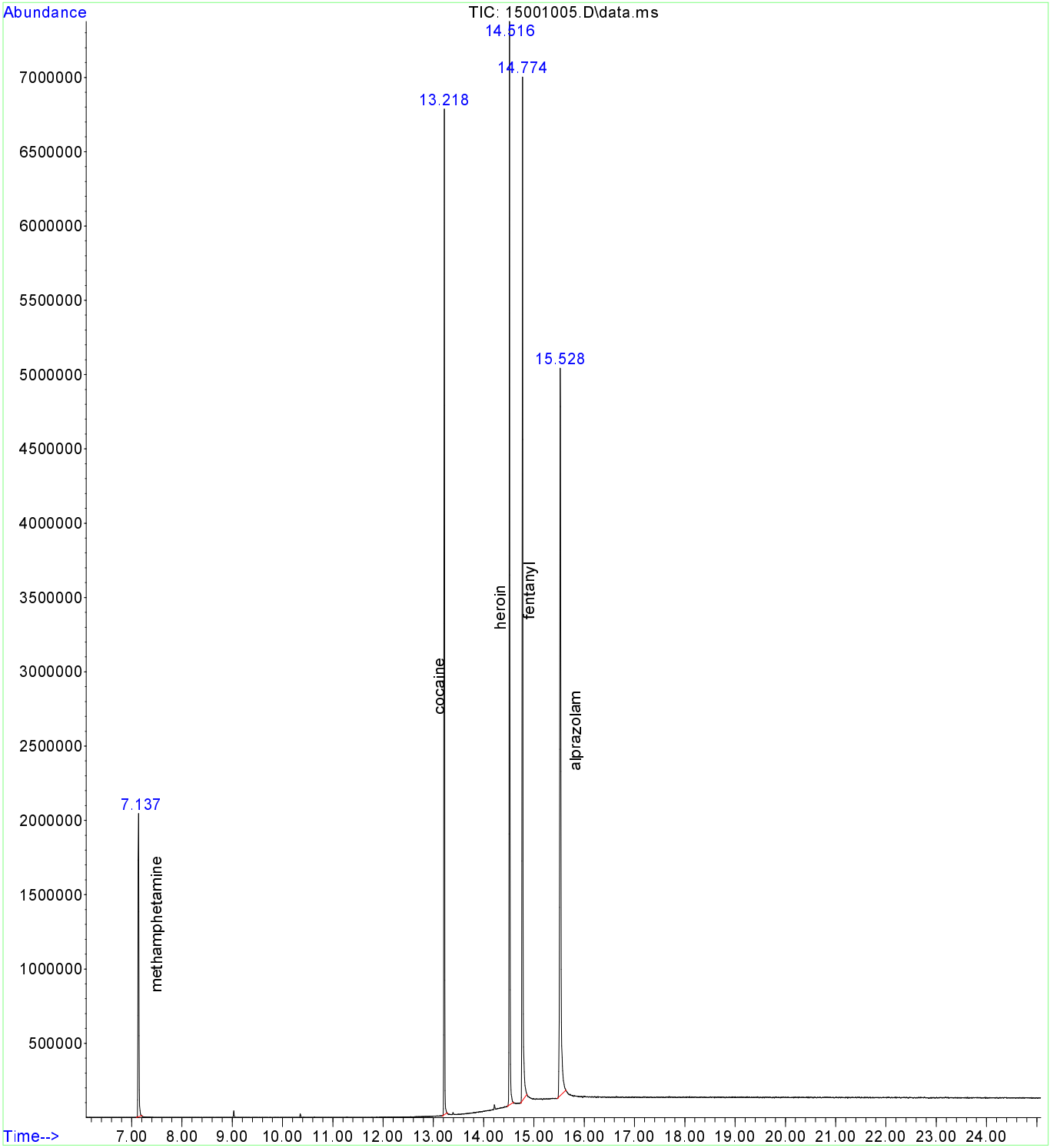
BCCL GC/MS #3
Retention Times for the Week of:

07/28/2025 - 08/03/2025

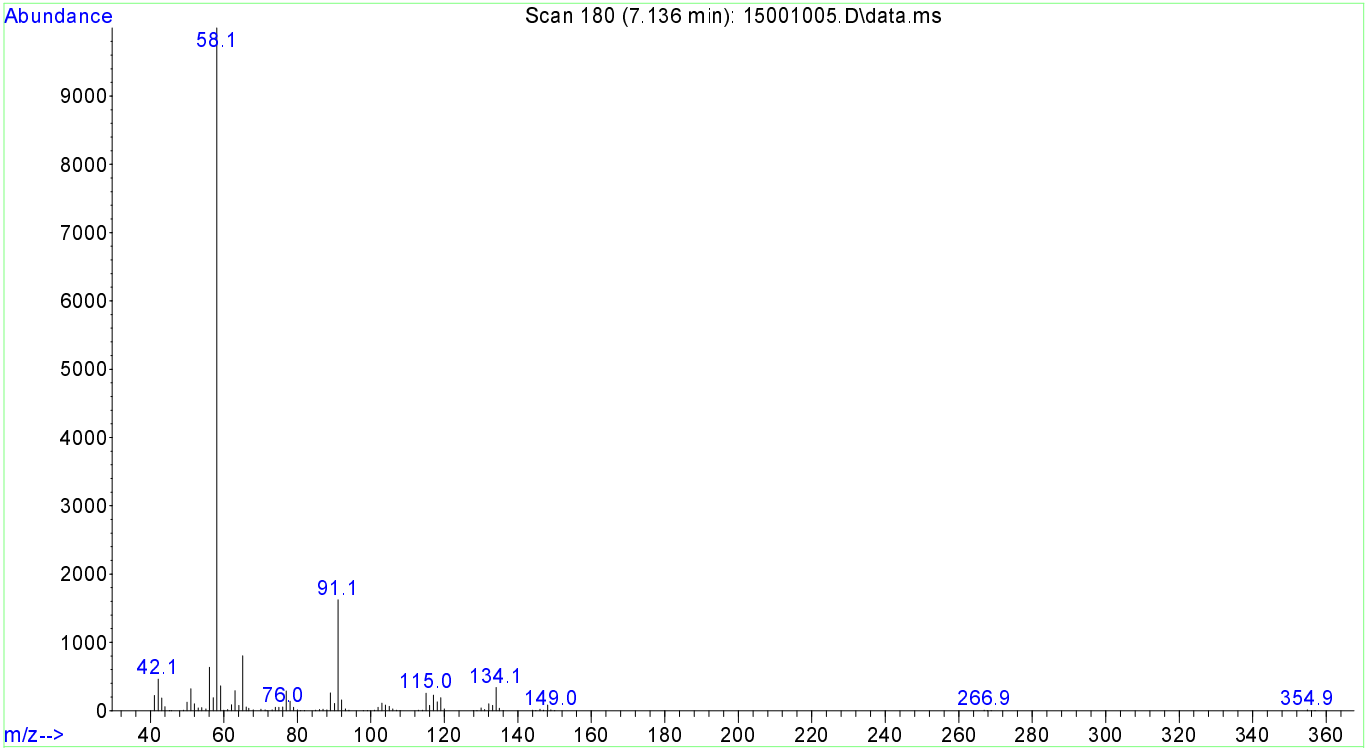
[X] **Tune: KB 07/28/2025 - Autotune**

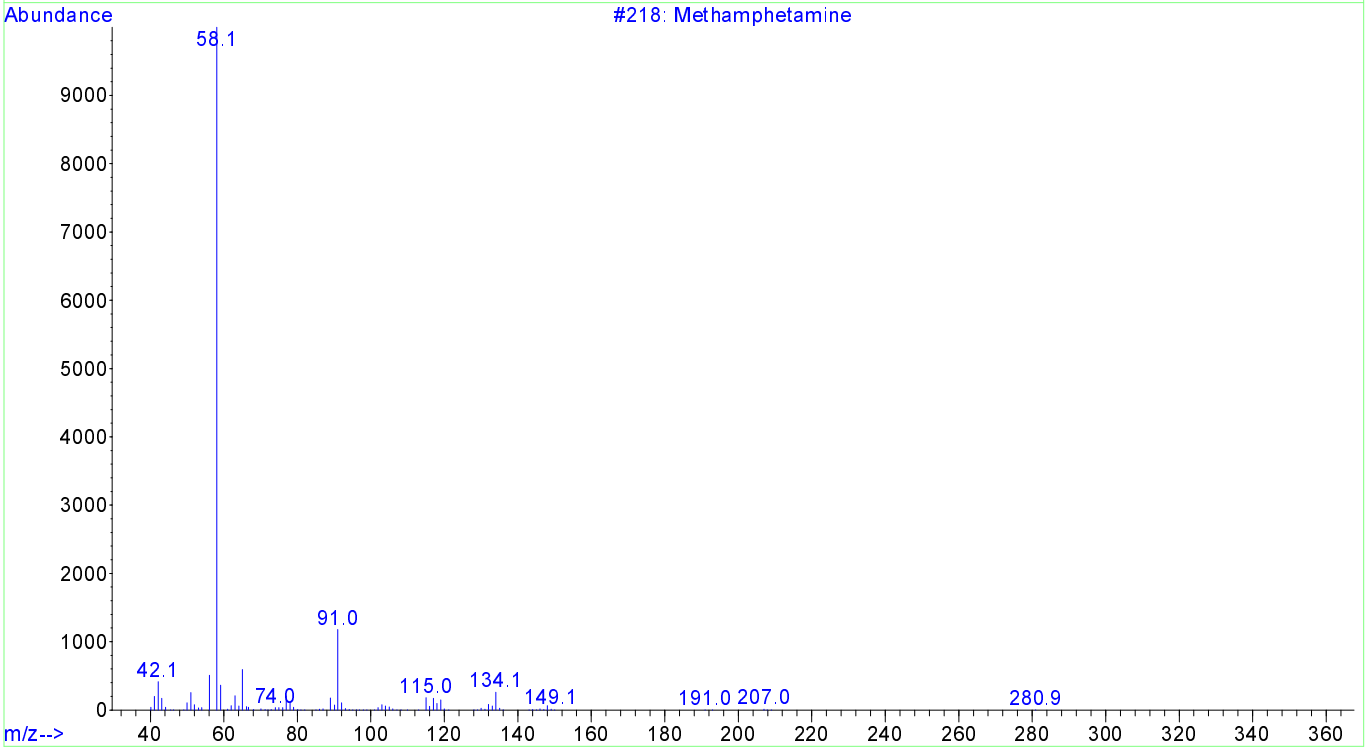
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-24-060	DrugTest35	7.137	7.065	7.208
Cocaine	R-24-060	DrugTest35	13.218	13.085	13.350
Heroin	R-24-060	DrugTest35	14.516	14.370	14.661
Fentanyl	R-24-060	DrugTest35	14.774	14.626	14.921
Alprazolam	R-24-060	DrugTest35	15.528	15.372	15.683

```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\072815\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 28 Jul 2025  08:59     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```

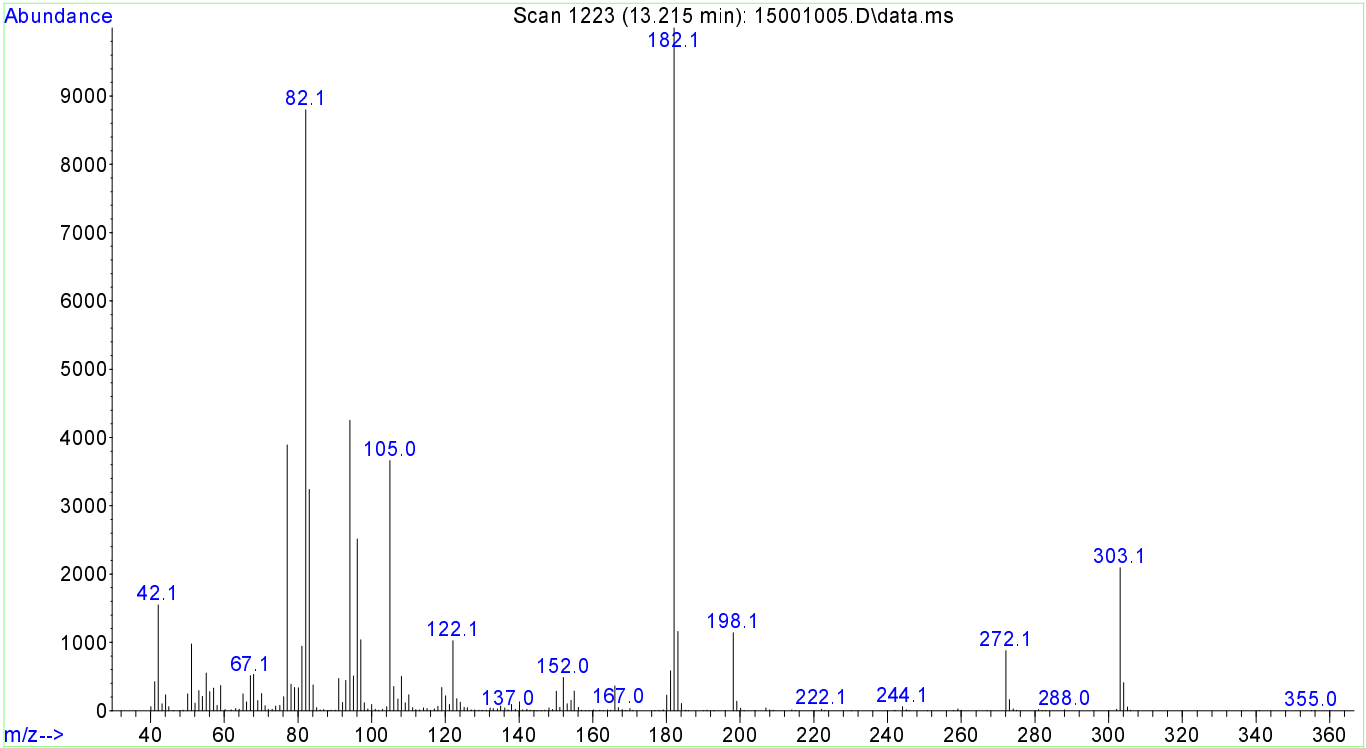


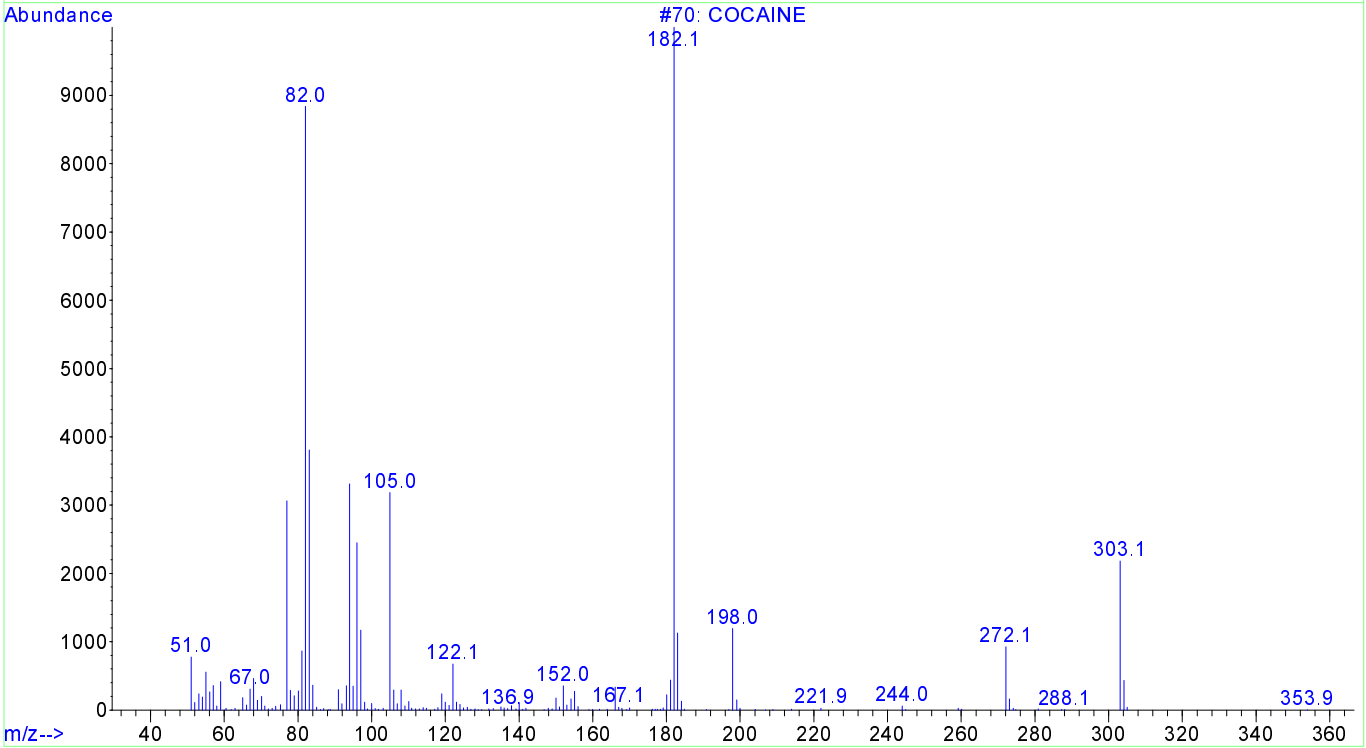
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...          Data\072815\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 28 Jul 2025  08:59     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```



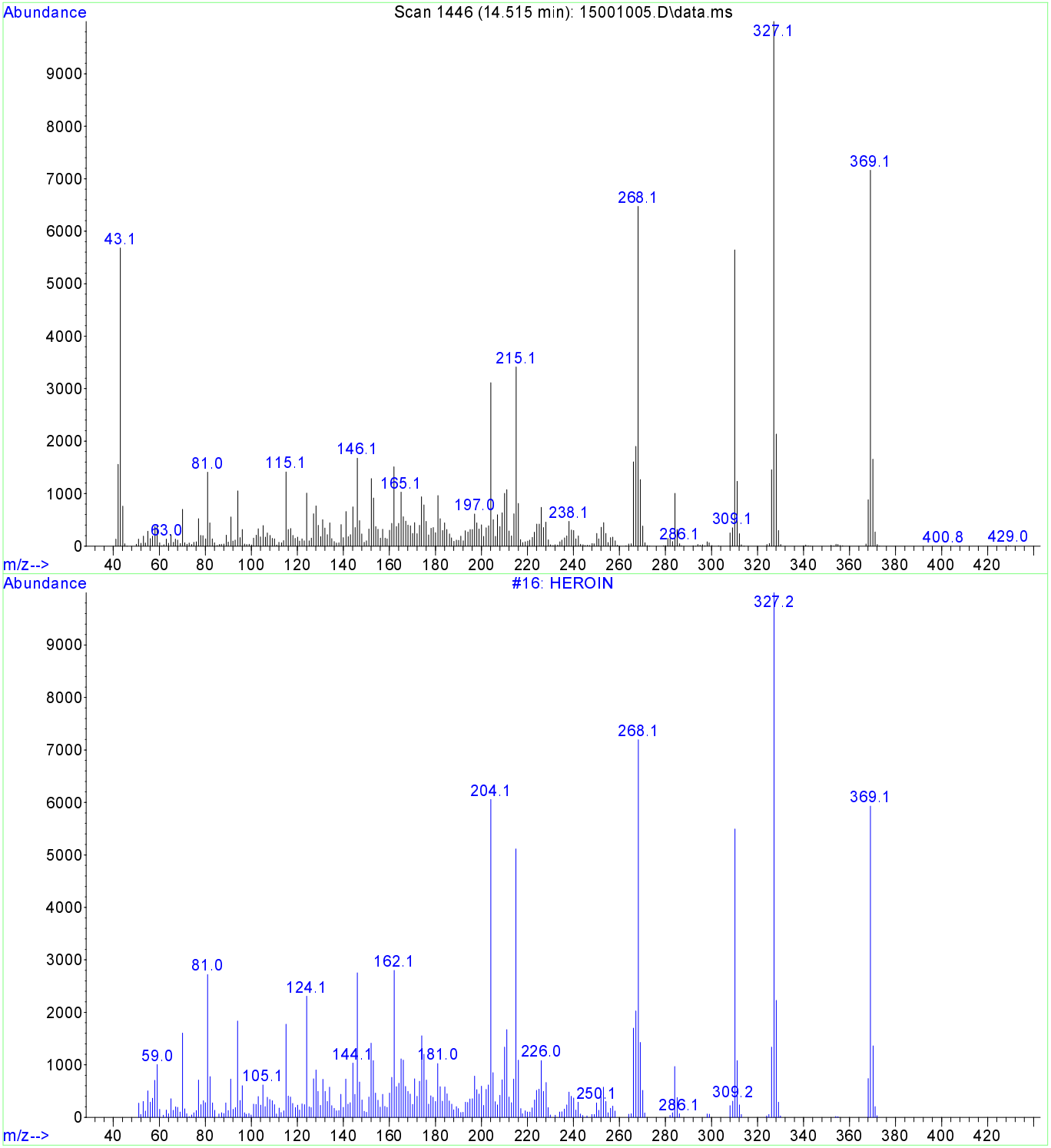


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...          Data\072815\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 28 Jul 2025  08:59     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```

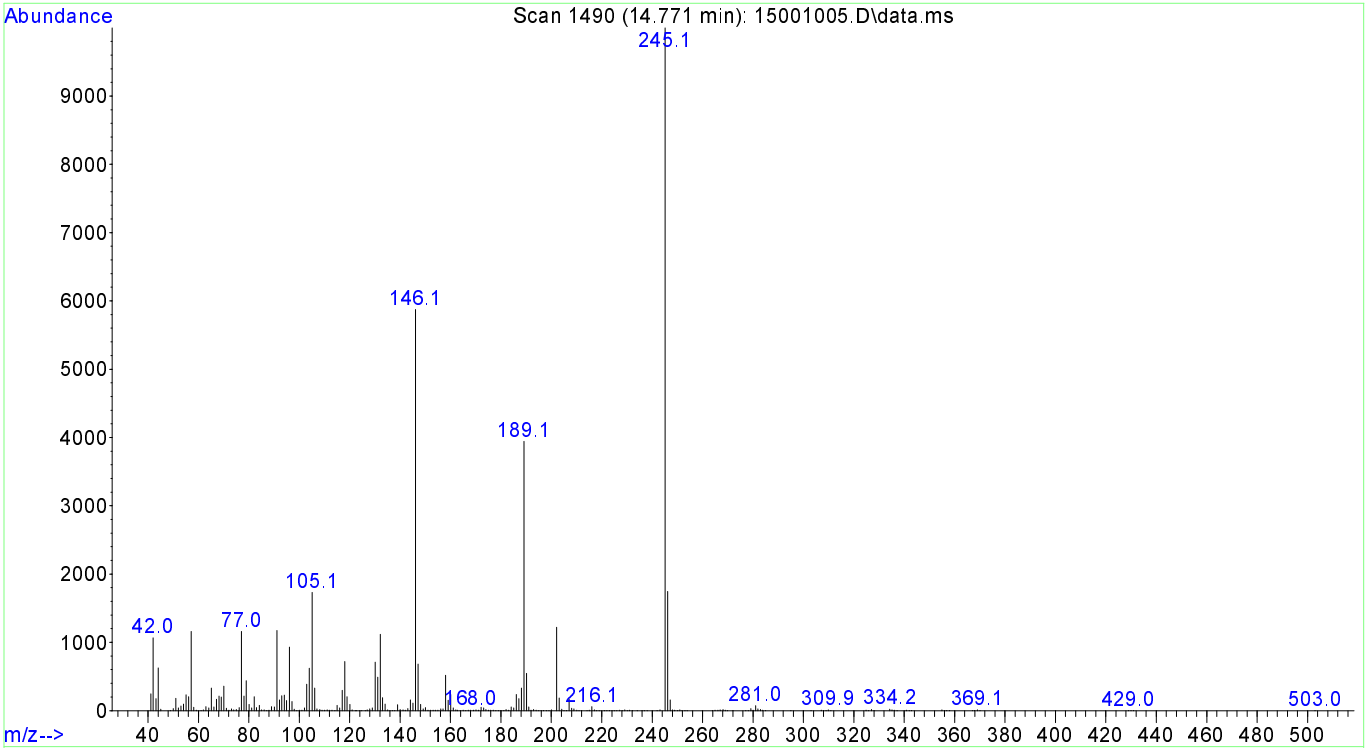


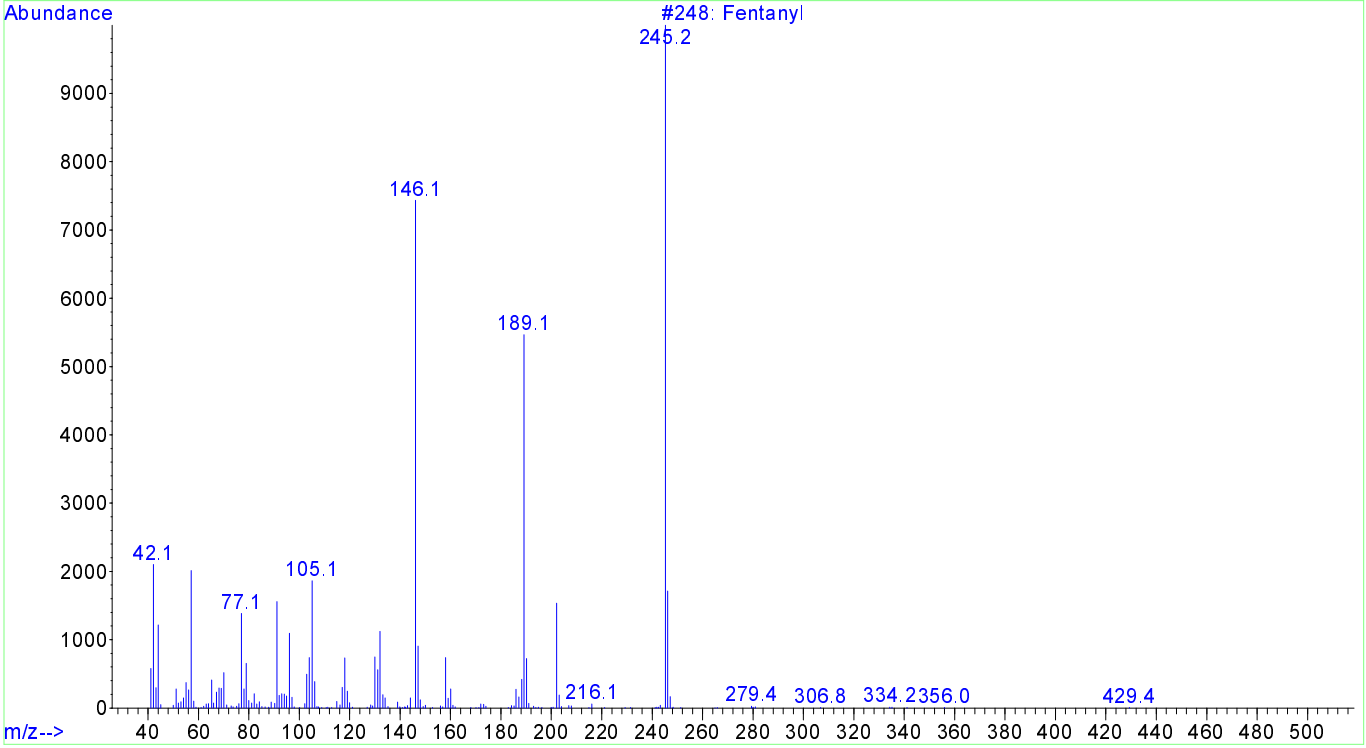


File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\072815\15001005.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 28 Jul 2025 08:59 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060) 000002667
Misc Info : 000002667

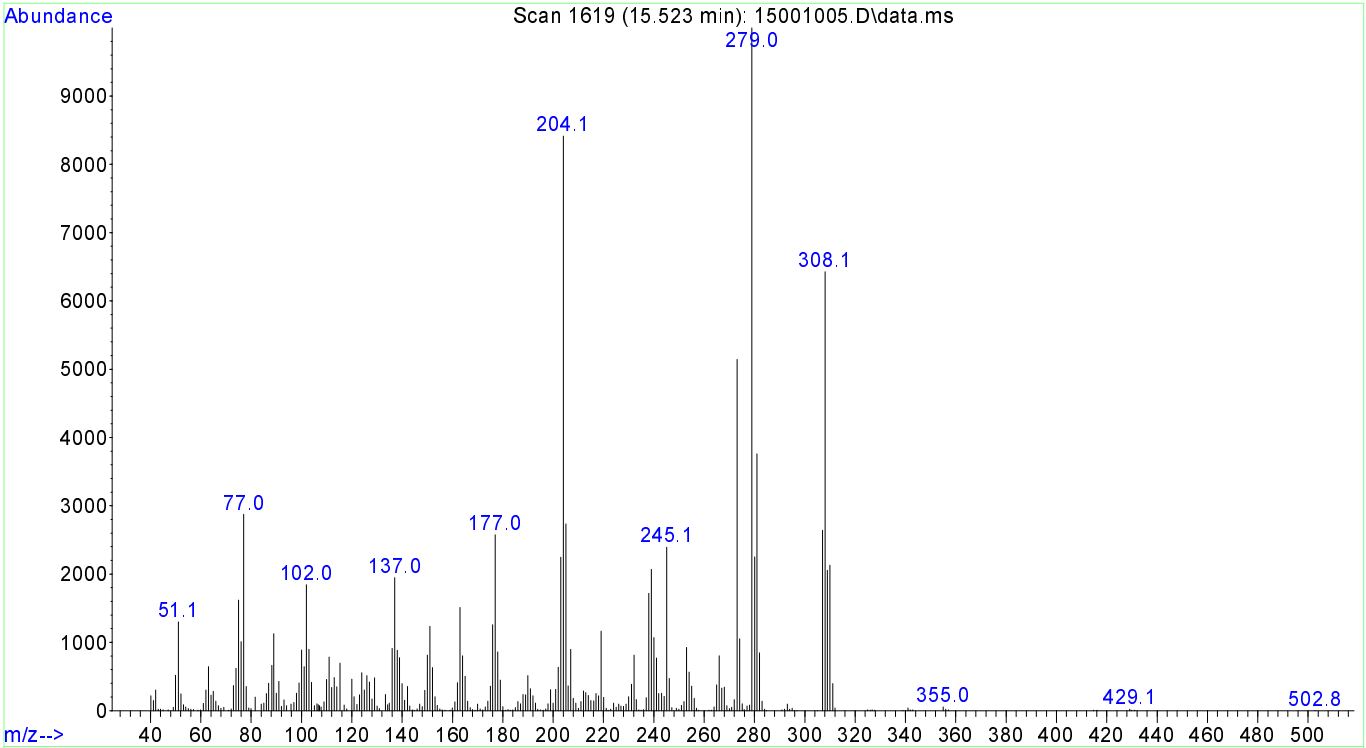


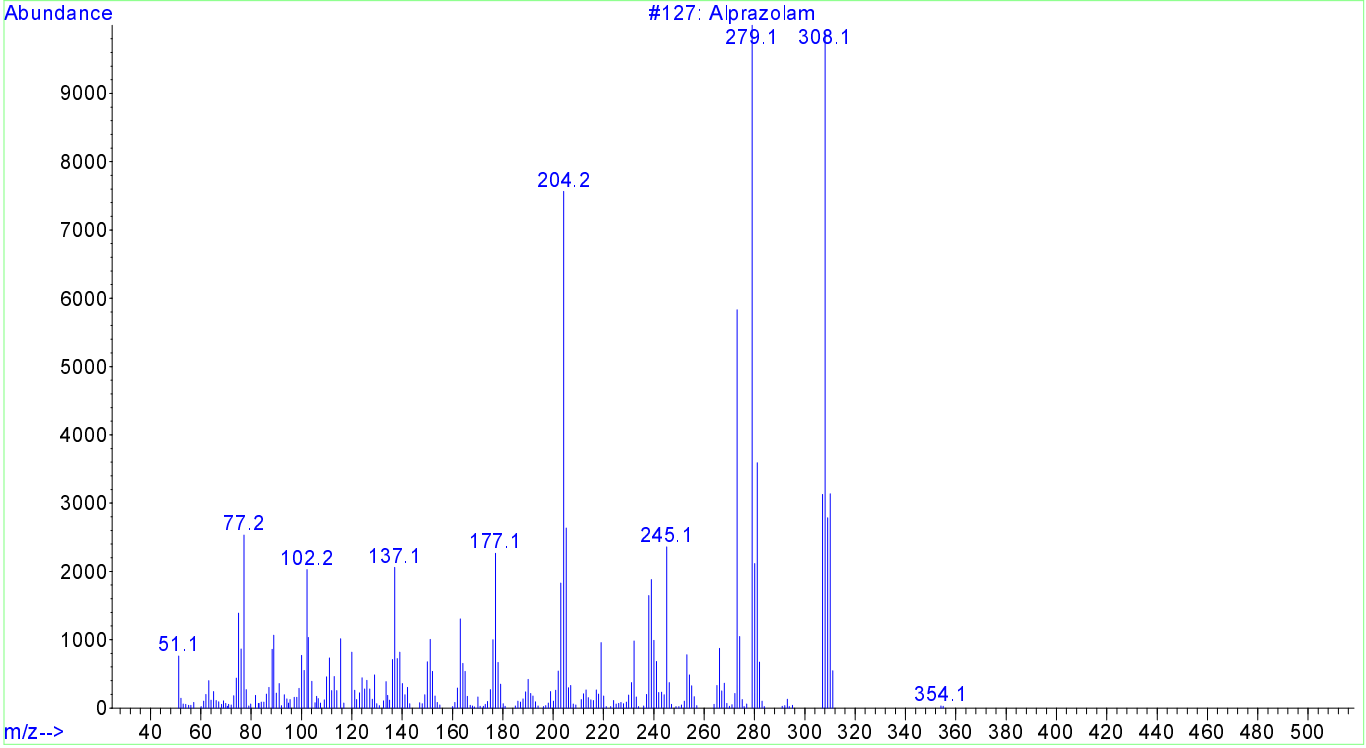
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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\072815\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 28 Jul 2025  08:59     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```



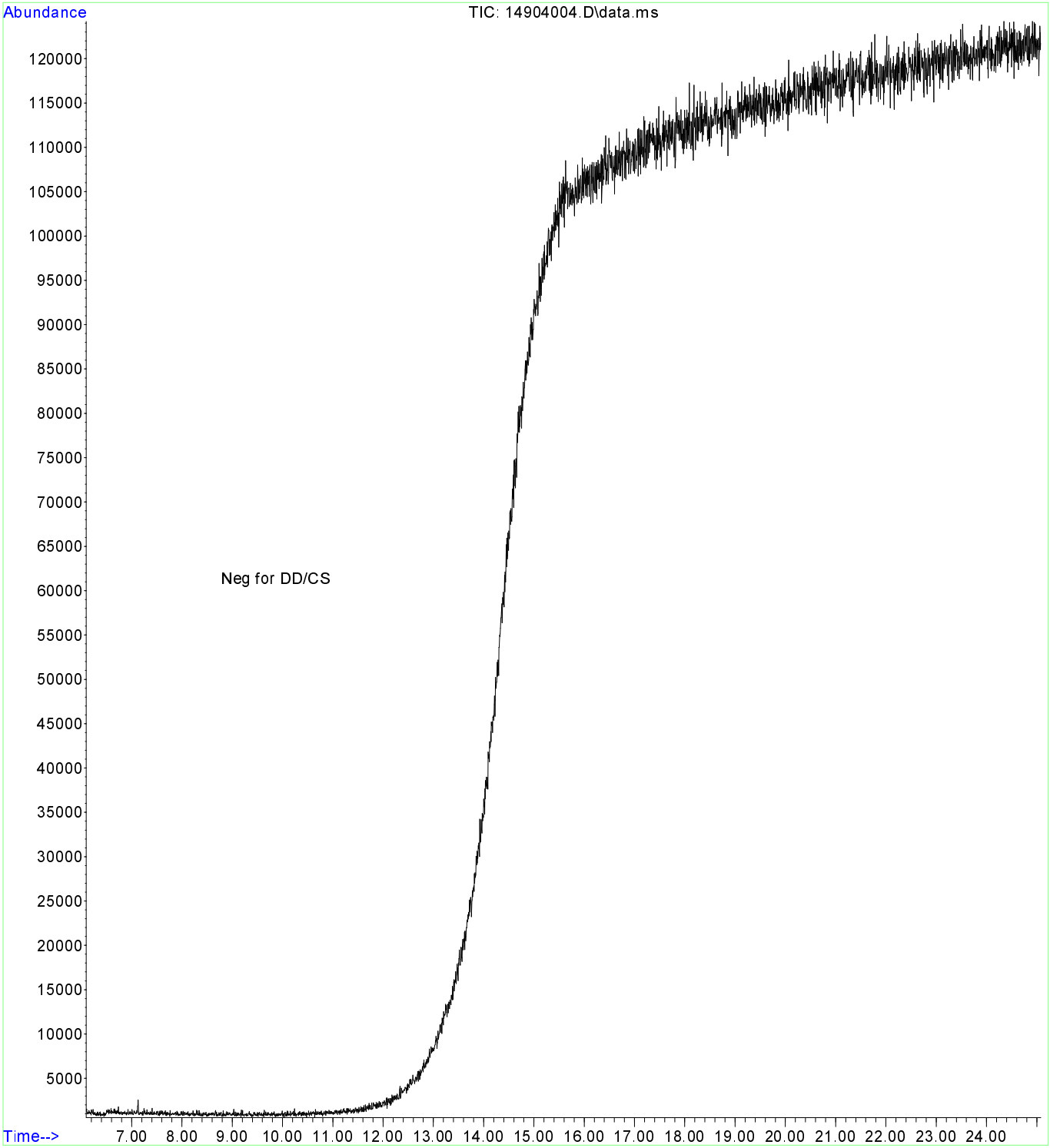


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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\072815\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 28 Jul 2025  08:59     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-24-060)                    000002667
Misc Info  :                                                  000002667
```





File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\072815\14904004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 28 Jul 2025 08:31 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-19-0068) PRIOR TO CAYMAN GC/MS MIX 3 (R-24-060) 000002666
Misc Info : 000002666



```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\072815\14901006.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 28 Jul 2025  09:28     using AcqMethod DrugTest35.M
Sample Name: BLANK (C-19-0068) - INSTRUMENT READY           000002666
Misc Info  :                                                000002666
```

