BRAZORIA COUNTY SHERIFF'S OFFICE
CRIME LABORATORY

Seized Drugs Section
SD GC/MS #4 - Preventative Maintenance and Performance Check

May 9, 2024

On May 6, 2024, Preventative Maintenance servicing was performed on SD GC/MS #4 by Agilent Technology. The preventative maintenance consisted of source cleaning, filament replacement, inlet maintenance to include gold seal and liner replacement. The column was replaced with a new column (DB-35MS UI). The maintenance was scheduled as part of the ongoing yearly instrument maintenance program at the Laboratory. LOG-15-08 speaks to the performance verification check to be performed after instrument repair or maintenance. Section 3.5 reads:

> Maintenance work performed on an instrument shall be completed either by an instrument service technician or by an individual having knowledge pertinent to instrument repair. After instrument is repaired, it shall be tested to verify that it is functioning properly by the satisfactory analysis of a positive control.

After completion of the servicing, the instrument was allowed to pump down overnight. On Tuesday morning – May 7, the instrument was tuned to verify that the mass spectrometer could accurately assign mass values and that there were no leaks in the system. The instrument passed the tune demonstrating accurate mass assignment with no leaks detected. The Laboratory utilizes as a primary method on this instrument an analysis that will identify most unknown substances submitted. This method is titled DrugTest35MS. Additional methods are also utilized for more sensitive substances such as psilocin and higher temperature eluting substances such as sildenafil. These methods are DrugTest35MS_20X and DrugTest35MS-FHTI respectively. Due to column replacement, an extensive performance check to encompass the vast array of drugs encountered was performed on the various methods.

The column installed, DB-35MS UI (Serial # US2579316H) and methods (DrugTest35MS, DrugTest35MS_20X, and DrugTest35MS-FHTI) delivered results which were consistent with prior results. This included mass spectra verification with the reference libraries utilized by the Seized Drug section. Also, retention time verification for all tested substance were evaluated against past testing of the system. This evaluation determined that all retention times after the preventative maintenance were slightly elevated as compared with before preventative maintenance retention times. This is to be expected since the column is from a different manufacturer and in pristine condition.

As with the prior performance check, baseline resolution is of utmost importance. Therefore, the realization that some compounds may co-elute while others may barely provide baseline separation is paramount. Observing the drugs standards analyzed by this system did reveal most drugs separated with baseline resolution. However, there are several substances that did not achieve baseline resolution such as oxycodone and o-fluoro-Fentanyl, and 4-fluoro-MDMB BUTINACA and hydrocodone using the DrugTest35MS method. There are several other substances that achieve baseline resolution but just barely. Some of these substances are delta-8 THC and delta-9 THC, heroin and fentanyl, and cocaine and 3,4-methylene-α-cyclohexylaminopropiophenone. The possibility of co-eluting substances is an area where an analyst must stay on-guard. Changes to the system or column degradation may constitute an environment

whereby baseline separation is no longer possible. The analyst must stay vigilant in the diagnosis of the system from week to week to determine if the system is capable of delivering accurate data that can be utilized in the separation and mass spectral identification of unknown compounds. Knowledge gained through training and experience should be utilized to make the appropriate determination as to whether a correct identification can be made or whether additional analysis and/or system diagnosis is required.

Table detailing standards analyzed on SD GC/MS #4:

#	Drug Standard	Ref #	Method	Retention Time
030	Amphetamine – EXPIRED STD	S-21-013	DrugTest35MS	7.645
001.1	Methamphetamine	R-22-004	DrugTest35MS	8.129
008	Butalbital	R-21-012	DrugTest35MS	12.509
028	Eutylone	S-22-011	DrugTest35MS	13.152
012	Phencyclidine (PCP)	R-24-003	DrugTest35MS	13.374
020	Tramadol	R-24-004	DrugTest35MS	13.652
014	Psilocin	S-22-009	DrugTest35MS_20X	14.396
029	3,4-Methylenedioxy-α-cycloaminopropiophenone	R-22-054	DrugTest35MS	14.650
001.2	Cocaine	R-22-004	DrugTest35MS	14.753
011	Promethazine – EXPIRED STD	S-21-020	DrugTest35MS	15.001
006	Delta-8 THC – EXPIRED STD	S-19-051	DrugTest35MS	15.344
001	Delta-9 THC	R-24-010	DrugTest35MS	15.429
022	Codeine	S-23-022	DrugTest35MS	15.645
003	MDMB-4en-PINACA	R-22-032	DrugTest35MS	15.810
004	4-fluoro-MDMB BUTINACA	R-22-031	DrugTest35MS	15.925
019	Hydrocodone	R-23-023	DrugTest35MS	15.987
027	α-Androstan-17α-methyl-3β-17β-diol	S-23-002	DrugTest35MS	16.001
025	m-fluoro-Fentanyl – EXPIRED STD	S-22-065	DrugTest35MS	16.254
021	Oxycodone	S-22-034	DrugTest35MS	16.323
024	o-fluoro-Fentanyl	S-22-063	DrugTest35MS	16.354
023	p-fluoro-Fentanyl	S-22-062	DrugTest35MS	16.456
001.3	Heroin	R-22-004	DrugTest35MS	16.528
001.4	Fentanyl	R-22-004	DrugTest35MS	16.605
007	Flunitrazepam	R-21-028	DrugTest35MS	16.620
016	Etodesnitazene	S-22-072	DrugTest35MS_20X	16.853
001.5	Alprazolam	R-22-004	DrugTest35MS	19.000
005	ADB-5Br-INACA	S-22-067	DrugTest35MS	19.733
010	4'-chloro-Deschloroalprazolam	R-22-055	DrugTest35MS	20.170
026	Testosterone enanthate	R-18-041	DrugTest35MS	20.202
013	LSD	S-22-038	DrugTest35MS	20.893
031	Buprenorphine	S-22-008	DrugTest35MS	22.266
015	Protonitazene	S-23-011	DrugTest35MS_20X	22.605
009	Clonazolam	S-21-010	DrugTest35MS	22.732
017	Sildenafil	R-22-029	DrugTest35MS-FHTI	37.821

As with the previous performance check, no attempt was made to establish a limit of detection on this system set-up due to its qualitative nature. However, if newer methods are incorporated onto this system, limits of detection for commonly encountered drugs should be considered.

In conclusion, SD GC/MS #4 was evaluated for mass spectral and retention time identification based on its annual preventative maintenance visit. The system was able to correctly identify numerous substances by mass fragmentation patterns. Additionally, retention times were documented during this analysis. Retention times were slightly elevated as compared to past retention times. This was expected due to the column being from a different manufacturer. The system is recommended for the continued GC/MS analysis of submitted samples to the Laboratory. This write-up, along with the checklist generated by the Agilent technician will be maintained in the instrument maintenance binder.

Derek Sanders,
Laboratory Director

Agilent Preventive Maintenance provides factory recommended service for your analytical systems to assure reliable operation and the accuracy of your results. Delivered by highly-trained and certified service engineers using genuine Agilent parts and supplies, Agilent Preventive Maintenance provides everything you need to reduce unplanned downtime and keep your systems operating at their peak.

For more information about Agilent Technologies GC Support please visit our web site using the following URL:

http://www.agilent.com/en-us/products/gas-chromatography/gc-systems/7890b-gc#support

Customer Information

- Customers should provide all necessary operating supplies upon request of the engineer.
- A customer representative should be available to the engineer while performing the preventive maintenance procedures.
- Any parts, not included in the Parts Lists section of this document, are not part of the recommended Preventive Maintenance service, nor are they included in the price of this service.
- If a system requires the use of additional or special procedures and/or parts for the instrument service, then these must be ordered separately and charged as a repair, which may incur additional costs.

Service Engineer's Responsibilities

- Only complete sections that relate to the system or module being serviced.
- Complete empty fields with the relevant information.
- Complete the relevant checkboxes in the checklist using a "X" or tick mark "✓" in the checkbox.
- Complete Not Applicable check boxes to indicate services not delivered, as needed.
- Complete the PM Service in the order of the tasks listed.
- Complete the Service Review section together with the customer.

Additional Instruction Notes

- Check for any active service notes for this unit. If there are any applicable "Safety" or "Modification Recommended" Service notes, plan to implement the changes on this unit before doing any qualification service.
- Do not implement firmware updates, unless you get approval from the customer and are sure that they are compatible with the instrument control software.

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System Information

Guidance

❑ Check this box if an instrument configuration report is attached instead of completing the table.

Instrument system name and ID	GCMS#4
Instrument system site and location	BRAZORIA COUNTY 3602 COUNTY ROAD 45 ANGLETON, TX, 77515
List system component product numbers	**List the serial numbers of each component**
1. G3442B	1. CN18263009
2. G7079B	2. US1837D002
3. G4513A	3. CN18270195
4. G4520A	4. CN18490010
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.

Preparation

☑ Discuss any specific issues with the customer prior to starting.

☑ Review the instrument logbook.

☑ Save instrument control settings before starting the procedure.

☑ Perform general inspection of system for cleanliness

☑ Check for proper installation of safety-related parts, assemblies, sensors etc.

N/A ❑ Check for required firmware updates and verify with customers if they would like it installed.

N/A ❑ Before starting the following procedures, record the Detector Signal Output(s) in the results table. If the GC is turned OFF or in a service mode, comparing the detector outputs before and after the service is not possible.

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Clean and inspect GC

- ☑ Unplug power cord from the power source.
- ☑ Open GC covers and vacuum/remove any dust/debris. Pay particular attention to cooling fans.
- ☑ Inspect internal connectors for proper contact and placement.
- ☑ Reconnect Power to the GC. Power the GC on and verify the power on self-test passed.
- ☑ Verify oven motor spins freely and turns on with the oven door closed; off when the door is opened.
- ☑ Verify operation of all other fans - the inlet and EPC cooling fans.
- ☑ Verify oven intake/outlet flap assembly is operating smoothly while heating and cooling the oven

Inlet and detector consumable replacement

- ☑ For the inlets installed, perform inlet maintenance as defined in the 7890 manual – "Maintaining Your GC" - for the inlet(s) installed.
- ☑ Replace the split vent trap cartridge filter on units with these inlets: Split/Splitless Capillary (SSL), Multi-Mode Inlet (MMI), Programmed Temperature Vaporizer (PTV), Volatiles Interface (VI).
- N/A ☐ If the inlet system is used in Split Mode with viscous samples, inspect and clean the split vent tube on the inlet and flush or replace the tubing between the inlet and the split vent trap.
- N/A ☐ If the GC includes a Flame Ionization Detector (FID), replace the jet. If the ignitor shows any buildup of sample or corrosion, replace the ignitor. Examine the FID collector and castle assemblies for contamination – clean as necessary.

Zero Sensors and Leak test

- ☑ Zero all pressure sensors per the procedure in the 7890 "Advanced User Guide".
- ☑ Perform inlet pressure decay test(s) as defined in the 7890 "Troubleshooting Manual".
  If the PM is done in preparation for an Operational Qualification, then the pressure decay test defined within that protocol can be used for the PM.
- ☑ Record if test passed or failed in the results table.

ALS Maintenance

- ☐ **Section NOT applicable**
- ☑ Check all cabling and configuration settings between GC, tray, and injectors.
- ☑ Vacuum or removed any dust, especially around fans.
- ☑ Check operation of all fans.
- ☑ Check syringe for smooth plunger operation.
- ☑ Check for smooth operation of the needle support – clean if necessary
- ☑ Check for correct operation of syringe volume settings.

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Restore Instrument

- ☑ Restore the normal operating conditions or customer method using the Keyboard or Data System.
- ☑ Purge the system with carrier flow for 15 minutes
- ☑ Bake out the system, then restore the normal operating conditions
- ☐ After equilibration, check and record the post PM detector signal output values.
  Results should be similar or lower than the detector outputs recorded prior to PM.

N/A

- ☐ Perform a chemical checkout. If this is a routine PM, inject the customer's sample using the ALS if applicable. This will act as a final checkout of both the ALS and the GC.

N/A

Guidance

If the PM Service is performed prior to a qualification service, then use the qualification procedure as a guide for final instrument set up and checkout.

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Service Review

- ☑ Attach available reports/printouts of all tests to this documentation.
- ☑ Record the PM service activity in the customer's instrument records/logbook
- ☑ Update/reset instrument maintenance counters as appropriate
- ☑ Affix the PM sticker to the system or instrument logbook based on the customer's request.
- ☑ Complete the Service Review Comments section below if there are additional comments
- ☑ Review the service and any test results with the customer.
- N/A ☐ If the Instrument firmware was updated, record the details of the change in the Service Engineer's Comments box below or if necessary, in the customer's IQ records.

7890 GC Test Results Table

Detector Signal Outputs	**Before PM service**	**After PM service**
Front detector output	N/A	N/A
Back detector output	N/A	N/A
AUX detector output	N/A	N/A
Pressure decay test	**Expected result**	**Actual result or N/A**
Front inlet pressure decay test	Pass	PASS
Back inlet pressure decay test	Pass	N/A

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7890 GC Parts List Table

The following kits are recommended for capillary and purged packed inlets. If this is a general PM and the customer has a preferred set of consumables, you may use the customer's consumables.

Part Description	Part Number	Model# where used	Quantity Consumed
SSL Capillary Inlet PM kit, Splitless	5188-6497	7890A/B	
SSL Capillary Inlet PM kit, split	5188-6496	7890A/B	
SSL Capillary Ultra Inert Inlet Gold Seal with Washer	5190-6144	7890A/B	
SSL Capillary Ultra Inert Inlet Splitless Liner - Single taper with Glass Wool	5190-2293	7890A/B	
SSL Capillary Ultra Inert Inlet Low Pressure Drop Split Liner - with Glass Wool	5190-2295	7890A/B	
PP Inlet PM kit	5188-6498	7890A/B	
Split vent trap PM kit, single cartridge (for MMI, PTV & VI)	5188-6495	7890A/B	
MMI Cleaning Kit	G3510-60820	7890A/B	
PTV Septumless Head Rebuild Kit	5182-9747	7890A/B	
PTV Septumless Head Teflon Guide	5182-9748	7890A/B	
Ignitor (glow plug) assembly with O-ring	19231-60680	7890A/B	
FID Collector Rebuild/Cleaning Kit	G1531-67000	7890A/B	
FID Collector Replacement Kit	G1531-67001	7890A/B	
Standard .011-inch FID Jet for capillary FID base	G1531-80560	7890A/B	
High Temperature .018-inch FID Jet for capillary FID base	G1531-80620	7890A/B	
Standard .018-inch FID Jet for packed column with packed FID base	18710-20119	7890A/B	
Standard .011-inch FID Jet for capillary column with packed/adaptable FID base	19244-80560	7890A/B	
High Temperature .018-inch FID Jet for capillary column with packed/adaptable FID base	19244-80620	7890A/B	

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Service Engineer Comments (optional)

If there are any specific points you wish to note as part of performing the service or other items of interest for the customer, please write in this box.

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Other Important Customer Web Links

- 7890 GC manual "Maintaining Your GC" - http://www.agilent.com/cs/library/usermanuals/public/G3430-90052%207890B_Maintaining%20Guide.pdf
- Need to know more? - http://www.agilent.com/crosslab/university/
- Need supplies? - www.agilent.com/chem/supplies

Service Completion

Service request number 6006573963 Date service completed 05.06.2024

Agilent signature JOHN PETERSON Customer signature

Document part number: G3430-90004

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Agilent GC/MS Preventive Maintenance Checklist

Agilent Preventive Maintenance provides factory recommended service for your analytical systems to ensure reliable operation and the accuracy of your results. Delivered by highly-trained and certified service engineers using genuine Agilent parts and supplies, Agilent Preventive Maintenance provides everything you need to reduce unplanned downtime and keep your systems operating at their peak.

Select the appropriate PM to be done and then perform the checklist under that section.

- ☐ Interim Preventive Maintenance — 6 months
- ☑ Major Preventive Maintenance — Yearly

This checklist covers the following model(s):

Type	Model
SQ	5973 Series MSD
SQ	5975 Series MSD
SQ	5977 Series MSD
TQ	7000 Series MS/MS
TQ	7010 Series MS/MS
QTOF	7200 Series QTOF
QTOF	7250 Series QTOF

Definition of the Task/Recommended items within the document.

Task		Recommended			
Yes	No	Interim	Major	As needed	
☑	☐	☐	☐	☐	**Yes** selected means that the task was done or the part was required.
☐	☑	☐	☐	☐	**No** selected means that the task was not done or the part was required.
☐	☐	☑	☐	☐	Means that this task is recommended to be done **at 6-month** intervals.
☐	☐	☐	☑	☐	Means that this task is recommended to be done **yearly**; if the customer would like a service to be done at the 6-month interval then the service could be purchased.
☐	☐	☐	☐	☑	**As needed** means that the task was done or the part was used as needed. Could be two type of filters could be used and this was the one which was selected.

For more information about Agilent Technologies services please visit our web site using the following URL
http://www.chem.agilent.com/en-us/products/services/pages/default.aspx

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Customer Information

- Customers should provide all necessary operating supplies upon request of the engineer.
- A customer representative should be available to the engineer while performing the preventive maintenance procedures.
- Any parts not listed in the Parts Lists section of this document, are not included in the price of this service.
- If a system requires the use of additional or special procedures and/or parts for the instrument service, then these must be ordered separately and charged as a repair, which may incur additional costs.

Service Engineer Responsibilities

- Print out all pages of the document and complete sections that relate to the system being installed.
- Complete empty fields with the relevant information.
- Complete the relevant checkboxes in the checklist using X or tick mark ✓ in the checkbox.
- Check the Not Applicable check boxes or specify N/A (where appropriate) to indicate optional services not delivered.
- Complete the Service Review and Service Completion sections together with the customer.

Additional Instruction Notes

Preventive maintenance is a factory recommended procedure designed to reduce the likelihood of electro-mechanical failures. Failure to perform preventive maintenance may reduce the long-term reliability of certain instruments and systems. **Two preventative maintenances (PMs) per year are recommended, the Major PM Service will be performed annually with an Interim PM performed 6 months after the Major PM**.

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Agilent GC/MS Preventive Maintenance Checklist

System Information

SEE GC PM CHECKLIST

System Name and ID	System Site and Location

System Components

☐ Check this box if an instrument configuration report is attached instead of completing the table.

List system component product numbers	List the serial numbers of each component
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.

Preparation

- ☑ Discuss any specific issues with the customer prior to starting.
- ☑ Review the instrument logbook.
- ☑ Save instrument control settings before starting the procedure.
- ☑ Perform general inspection of system for cleanliness.
- ☑ Check for proper installation of safety-related parts, assemblies, sensors etc.
- ☐ Check for required firmware updates and verify with customers if they would like it installed. n/a

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Preventive Maintenance for MSs

Customer Responsibilities

Customers should ensure that all necessary operating supplies, consumables and usage dependent items such as gases, vials, syringes, calibrant solution and solvents required for the successful preventive maintenance are available.
A customer representative should be available while the preventive maintenance procedure is being performed.

Important notice for customers

The customer should complete the following before the Support Provider arrives on site:

☐ Perform an autotune and retain the printed tune report just prior to the start of the PM to verify performance of the equipment.

Note: It is recommended to have the customer run the autotune and tune evaluation the night prior to the PM and then start the vent cycle so that the instrument will be ready for the service representative.

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Parts – Included and as needed as part of the preventive maintenance

Common MS Maintenance Supplies

Parts Required					
Yes/No	Interim/Major/As needed			Description	Part number
☐ ☐	☐	☐	☑	Abrasive paper, 30 µm	5061-5896
☐ ☐	☐	☐	☑	Alumina powder	393706201
☐ ☐	☐	☐	☑	Cloths, clean (package of 15)	05980-60051
☐ ☐	☐	☐	☑	Cloths, cleaning (package of 300	9310-4828
☐ ☐	☐	☐	☑	Cotton swabs (package of 100)	5080-5400
☐ ☐	☐	☐	☑	Gloves, clean, large	8650-0030
☐ ☐	☐	☐	☑	Gloves, clean, small	8650-0029
☐ ☐	☐	☐	☑	Grease, Apiezon L, high vacuum	6040-0289

Common MS Filters and Seals – 5973/5975/5977/7000/7010/7200/7250 Series

			Supplies	
Yes/No	Interim/Major/As needed		Description	Part number
☐ ☐	☐	☑	☑	Helium gas filter – if required	RMSH-2
☐ ☐	☐	☑	☑	Nitrogen gas filter – if required	RMSN-2
☐ ☐	☐	☑	☑	Big Universal Trap, 1/8i fttgs, Hydrogen – if required	RMSHY-2
☐ ☐	☐	☑	☑	Gas Clean Carrier Gas Kit for 7890 for Nitrogen or Helium; Bracket, Mount, and Filter – if required	CP17988
☐ ☐	☐	☑	☑	Gas Clean Filter kit GC/MS 1/8 in (complete replacement kit) – if required	CP17974
☐ ☐	☐	☑	☑	Gas Clean GS/MS Filter – if required	CP17973
☐ ☐	☐	☑	☑	Chemical Ionization Gas Purifier (CI systems) – if required	5190-9071
☐ ☐	☑	☑	☐	Foreline Pump Oil, Inland 45	6040-0834

MS Maintenance Supplies for 5973/5975/5977

Yes/No ☐ ☐			Supplies	
Yes/No	Interim/Major/As needed		Description	Part number
☐ ☐	☐	☑	☑	Diffusion pump fluid (Diffusion Pump Models)	6040-0809 Qty 2
☐ ☐	☐	☑	☑	IDP-3 Tip Seal Replacement Kit (IDP-3 Dry Pump Models)	G7077-67018
☐ ☐	☐	☑	☑	DS42 Oil Mist Eliminator 3/4G & 3/8	SR03706556
☐ ☐	☐	☑	☑	Exhaust oil mist trap (thread) Edwards/Pfeiffer	G1099-80039

MS Maintenance Supplies for 7000/7010

Yes/No ☐ ☐			Supplies	
Yes/No	Interim/Major/As needed		Description	Part number
☐ ☐	☐	☑	☑	Nitrogen gas filter	RMSN-2
☐ ☐	☐	☑	☑	Oil Mist Filter RV5	G6600-80043

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MS Maintenance Supplies for 7200/7250

Yes/No ❑ ◹					Supplies	
Yes/No		Interim/Major/As needed			Description	Part number
❑	❑	❑	☑	☑	Nitrogen gas filter	RMSN-2
❑	❑	❑	☑	☑	RIS Probe Maintenance Kit (7200 Series only)	G7005-60170
❑	❑	❑	☑	☑	DS202 Oil Mist Eliminator	SR03706800
❑	❑	❑	☑	☑	IDP-15 Tip Seal Replacement Kit (IDP-15 Dry Pump Models)	X3815-67000
❑	❑	❑	☑	☑	Filter element, for SH-110/SH-112/IDP-15 exhaust silencer	REPLSLRFILTER1
❑	❑	❑	☑	☑	DS 3/8 MAG. PLUG AND GASKET	SR03701824

MS Maintenance Supplies for JetClean

Yes/No ❑ ◹					Supplies	
Yes/No		Interim/Major/As needed			Description	Part number
❑	❑	❑	☑	☑	Big Universal Trap, 1/8in fttgs, Hydrogen – if required	RMSHY-2

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Parts – Needs be purchased if found defective or worn out

Common MSD Maintenance Supplies 5973/5975/5977/7000/7010/7200/7250

					Common Recommended Consumables Parts	
Yes/No		Interim/Major/As needed			Description	Part number
☐	☑	☐	☐	☑	EI High Temperature Filaments	G7005-60061 Qty 2
☐	☑	☐	☐	☑	HES EI Filaments	G7002-60001
☐	☑	☐	☐	☑	LE-EI Filaments	G3850-60021
☐	☑	☐	☐	☑	CI High Temperature Filament – all MSDs	G7005-60072
☐	☑	☐	☐	☑	PFTBA GCMS Tuning Standard calibrant	05971-60571
☐	☑	☐	☐	☑	PFDTD calibrant, 1 ml	8500-8510
☐	☑	☐	☐	☑	PFET, IRM calibrant for GC QTOF 0.5 ml	5190-0531

MS Maintenance Supplies for 5973/5975/5977

Yes/No	☐	☑			Supplies	
Yes/No	Interim/Major/As needed				Description	Part number
☐	☐	☐	☐	☑	CI Interface tip seal (tip and spring combo)	G1999-60412
☐	☐	☐	☐	☑	CI Interface tip seal (tip only)	G3870-20542
☐	☐	☐	☐	☑	CI Interface tip seal spring (spring only)	G1999-20023
☐	☐	☐	☐	☑	Repeller insulator	G1099-20133 Qty 2
☐	☐	☐	☐	☑	Lens insulator/holder (HES)	G7002-20074
☐	☐	☐	☐	☑	Ring heater/sensor assembly (HES)	G7002-60043
☐	☐	☐	☐	☑	Ceramic insulator for Extractor (HES)	G7002-20064
☐	☐	☐	☐	☑	Transfer-Line Tip Cap, Threaded	G3870-20547
☐	☐	☐	☐	☑	Transfer-Line Tip Base, Threaded	G3870-20548

MS Maintenance Supplies for 7000/7010

Yes/No	☐	☑			Supplies	
Yes/No	Interim/Major/As needed				Description	Part number
☐	☐	☐	☐	☑	CI Interface tip seal - 7000	G1999-60412
☐	☐	☐	☐	☑	CI Interface tip seal - 7010	G7002-60412
☐	☐	☐	☐	☑	CI Interface tip seal (tip only)	G3870-20542
☐	☐	☐	☐	☑	CI Interface tip seal spring (spring only)	G1999-20023
☐	☐	☐	☐	☑	Repeller insulator - 7000	G1099-20133 Qty 2
☐	☐	☐	☐	☑	Lens insulator/holder (HES)	G7002-20074
☐	☐	☐	☐	☑	Ring heater/sensor assembly (HES)	G7002-60043
☐	☐	☐	☐	☑	Ceramic insulator for Extractor (HES)	G7002-20064
☐	☐	☐	☐	☑	Transfer-Line Tip Cap, Threaded	G3870-20547
☐	☐	☐	☐	☑	Transfer-Line Tip Base, Threaded	G3870-20548

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MS Maintenance Supplies for 7200

Yes/No					Supplies	
Yes/No	Interim/Major/As needed				Description	Part number
☐	☐	☐	☐	☑	Extractor Lens Insulator	G7005-20133
☐	☐	☐	☐	☑	Ion Focus Insulator	G7005-20442
☐	☐	☐	☐	☑	Ring Heater/Sensor Assembly	G7005-60110
☐	☐	☐	☐	☑	RIS Xfer Tip	G7005-20542
☐	☐	☐	☐	☑	RIS Xfer Tip Spring	G7005-20024

MS Maintenance Supplies for 7250

Yes/No					Supplies	
Yes/No	Interim/Major/As needed				Description	Part number
☐	☐	☐	☐	☑	Lens insulator/holder (HES)	G7002-20074
☐	☐	☐	☐	☑	Ring heater/sensor assembly (HES)	G7002-60043
☐	☐	☐	☐	☑	Ceramic insulator for Extractor (HES)	G7002-20064
☐	☐	☐	☐	☑	Transfer-Line Tip Cap, Threaded	G3870-20547
☐	☐	☐	☐	☑	Transfer-Line Tip Base, Threaded	G3870-20548
☐	☐	☐	☐	☑	EI Extractor Transfer Tip	G3870-20542
☐	☐	☐	☐	☑	CI Tip Compression Spring	G1999-20023

MS Maintenance Supplies for Intuvo 9000 MS Systems

Yes/No					Systems	
Yes/No	Interim/Major/As needed				Description	Part number
☐	☐	☐	☐	☑	Swaged MS Tail - Packaged	G4590-60009
☐	☐	☐	☐	☑	Swaged MS Tail (HES) - Packaged	G4590-60109

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Preventive Maintenance Checklist:

Yes/No	Interim/Major	Description
☑ ☐	☑ ☑	Perform general inspection of system for cleanliness.
☑ ☐	☑ ☑	Discuss any problems the customer is having with the instrument
☑ ☐	☑ ☑	Review customer maintenance records and exclude maintenance on recently serviced items.
☑ ☐	☑ ☑	Review the most recent autotune report. This will give a starting point for evaluating spectral peaks, baseline noise, peak shape, mass assignments and resolution.

		GCMS	
Yes/No	Interim/Major	Description	
☑ ☐	☑ ☑	Record instrument model no.	6890
☑ ☐	☑ ☑	Record instrument serial no.	US10370002
☐ ☑	☑ ☑	Record Rough Vacuum.	
☑ ☐	☑ ☑	Record Manifold Vacuum.	8.28×10^{-6}
☑ ☐	☑ ☑	Type of Column installed.	ZB-35HT

		System Checks
Yes/No	Interim/Major	Description
☑ ☐	☑ ☑	Check manually that you have calibration peaks.
☑ ☐	☑ ☑	Vent the instrument.
☑ ☐	☑ ☑	Inspect vacuum hoses, pump exhaust tubing and power cords for excessive wear.
☑ ☐	☑ ☑	Visually inspect the calibrant levels – PFTBA, PFDTD (if appl), IRM (if appl). Refill if necessary.
☑ ☐	☑ ☑	Look for any obvious external damage or problems.
☑ ☐	☑ ☑	Clean air intake(s). Cosmetic cover(s) may need to be removed.
☑ ☐	☑ ☑	Verify system line voltage meets instrument specifications: **Yes** ☑ **No** ☐

Yes/No	☐ ☑	Wet Mechanical vacuum pumps	
Yes/No	Interim/Major	Description	
☐ ☐	☑ ☑	Check for evidence of oil leakage. Check pump gasket for leakage.	
☐ ☐	☑ ☑	Drain and replace mechanical pump oil.	
☐ ☐	☑ ☑	Replace Oil Mist Filter if applicable.	
☐ ☐	☑ ☑		Discuss with customer the need for more frequent oil changes if the oil is dirty.
☐ ☐	☑ ☑		Demonstrate ballast, if requested.
☐ ☐	☑ ☑	Anti-suckback test.	

Yes/No	☑ ☐	Dry Mechanical vacuum pumps - Diaphragm
Yes/No	Interim/Major	Description
☑ ☐	☑ ☑	Check for evidence of poor vacuum - Turbo Power Demand, poor manifold vacuum, etc.
☑ ☐	☑ ☑	If vacuum is poor, then replace the diaphragm pump.
☑ ☐	☑ ☑	Anti-suckback test.

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Yes/No ☐ ☑		Dry Mechanical vacuum pumps - Scroll	
Yes/No	Interim/Major	Description	
☐	☑ ☑	Replace the tip seal on the IDP pump.	
☐	☑ ☑	Check for evidence of poor vacuum - Turbo Power Demand, poor manifold vacuum.	
☐	☑ ☑	Replace the Exhaust Filter if required.	
☐	☑ ☑		Discuss with customer the need for more frequent changes if needed.
☐	☑ ☑		Inform customer that pump gas ballast should be installed all the time.
☐	☑ ☑	Anti-suckback test.	

		Cleaning System and Filters	
Yes/No	Interim/Major	Description	
		Fans	
☑	☑ ☑		Remove dust from fans and vent covers.
☑	☑ ☑		Fans are functional, area is cleared around fans.
		Source Cleaning	
☑	☐ ☑		Open analyzer and remove the source.
☑	☐ ☑		Disassemble, Clean, Re-assemble source.
☑	☐ ☑		Re-install source and close analyzer.
		Filters	
☐	☐ ☑		Replace RMSH-2 Helium gas filter - if applicable.
☐	☐ ☑		Replace RMSN-2 Nitrogen gas filter - if applicable.
☐	☐ ☑		Replace RMSHY-2 Hydrogen gas filter - if applicable.
☐	☐ ☑		CP17988 – Gas Clean Carrier Gas Kit for 7890 for Nitrogen or Helium; Bracket, Mount, and Filter - if applicable.
☐	☐ ☑		CP17974 – Gas Clean Filter Kit GC/MS 1/8 in; Mount and Filter - if applicable
☑	☐ ☑		CP17973 – Gas Clean Filter; Replacement Filter - if applicable.
☐	☐ ☑		5190-9071 – Methane Gas Filter - if applicable.

		System post-check	
Yes/No	Interim/Major	Description	
☑	☑ ☑	Pump system back down. Wait until system stability has been achieved.	
☑	☑ ☑	Verify system vacuum reading(s) via the gauge controller	
☑	☑ ☑	Leak Check 28 < 8	
☑	☑ ☑		Verify system in manual tune
☑	☑ ☑		Compare against previous tune file report(s)
☑	☑ ☑	Change to Tune and verify that all temperatures, pressures, and gas flows reach method set points.	
☑	☑ ☑	Check manually that you have calibration peaks.	
☐	☑ ☑	EI Autotune Performed	
☐	☑ ☑	Rough Vacuum	
☐	☑ ☑	Vacuum Manifold	
☑	☑ ☑	High Vacuum	1.95×10^{-5}

Guidance: If the PM Service is performed prior to a qualification service, then use the qualification procedure as a guide for final instrument set up and checkout.

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Service Review

- [x] Attach available reports/printouts of all tests to this documentation.
- [x] Record the PM Service activity in the customer's instrument records/logbook.
- [x] Update/reset instrument maintenance counters as appropriate.
- [x] Affix the PM sticker to the system or instrument logbook based on the customer's request.
- [x] Complete the Service Review Comments section below if there are additional comments.
- [x] Review the service and any test results with the customer.
- [ ] If the Instrument firmware was updated, record the details of the change in the Service Engineer's Comments box below or if necessary, in the customer's IQ records. N/A

Agilent Test Results Table:

Test Description	Expected Test Result	Actual Test Result

Agilent Parts List Table:

☐ Section NOT Applicable

Part Description	Part Number	Product/Model # where used	Quantity Consumed

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Important Customer Web Links

How to get information on your product:

Literature Library	www.agilent.com/chem/library
Need to know more?	www.agilent.com/chem/education
Need technical support?	www.agilent.com/chem/techsupp
Need supplies?	www.agilent.com/chem/supplies

Service Engineer Comments (optional)

If there are specific points you wish to note as part of the installation or items of interest for the customer, please write in this box.

Service Completion

Service request number	6006573963	Date service completed	05.06.2024
Agilent signature	JOHN PETERSON	Customer signature	
Number of pages	13		

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Details on back.

Always Quality.
Always Innovative.
Always Agilent.

Agilent J&W GC Column Performance Summary

Catalog: 122-3832UI

Serial No: US2579316H

Stationary Phase: DB-35MS UI

Description: 30m x 0.250mm x 0.25µm

Temperature Limits: 50°C to 340°C (360°C Pgm)

Performance Results

Theoretical Plates/Meter:

n-BUTYLBENZENE	3663

Retention Index:

n-PROPYLBENZENE	1024.1
1-HEPTANOL	1032.6

Compound Identification	Retention Time (t_r)	Partition Ratio (k)	Peak Width ($w_{1/2}$)
1. 1-OCTENE	1.842	0.41	0.012
2. n-BUTYRIC ACID	1.977	0.51	0.015
3. n-NONANE	2.461	0.88	0.017
4. 4-METHYLPYRIDINE	3.557	1.72	0.024
5. n-PROPYLBENZENE	4.591	2.51	0.033
6. 1-HEPTANOL	4.793	2.66	0.033
7. 1,2-PENTANEDIOL	4.946	2.78	0.038
8. 3-OCTANONE	5.662	3.32	0.040
9. TRIMETHYLPHOSPHATE	6.268	3.79	0.048
10. n-UNDECANE	6.723	4.14	0.048
11. n-BUTYLBENZENE	8.335	5.37	0.059

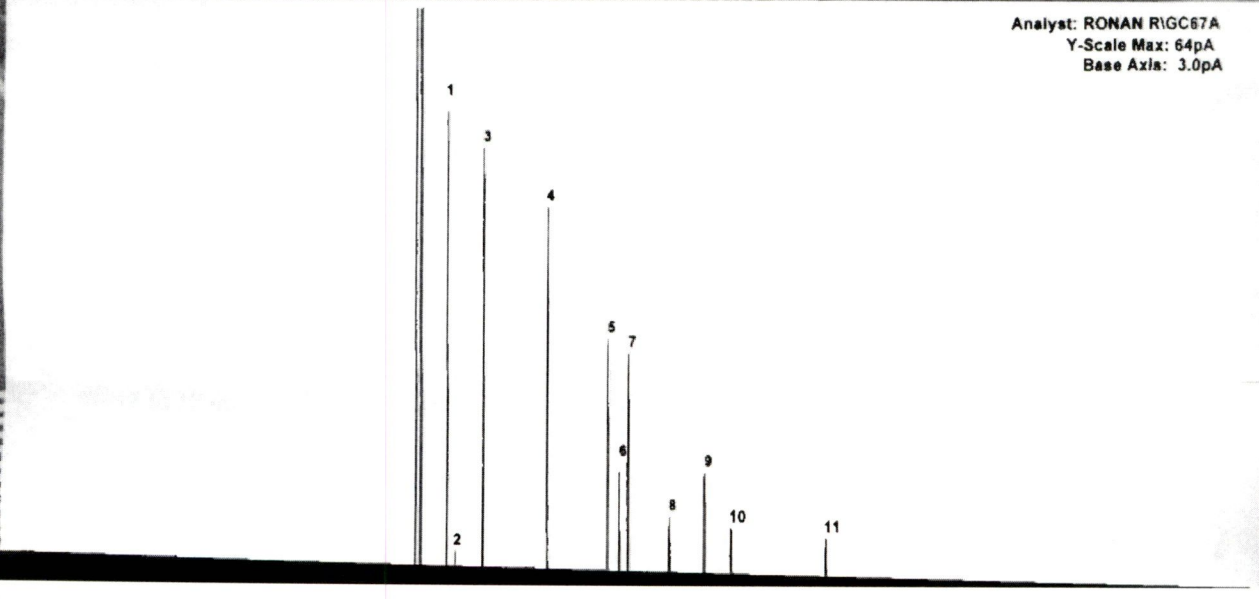
Test Conditions

Inlet: (250°C) Split at 200 mL/min Detector: FID (340°C)

Carrier Gas: Hydrogen Flow: 38.2 cm/sec (1.1 mL/min)

Hold-up Time Compound: Pentane (1.309 min)

Temperature Program: Isothermal at 75°C



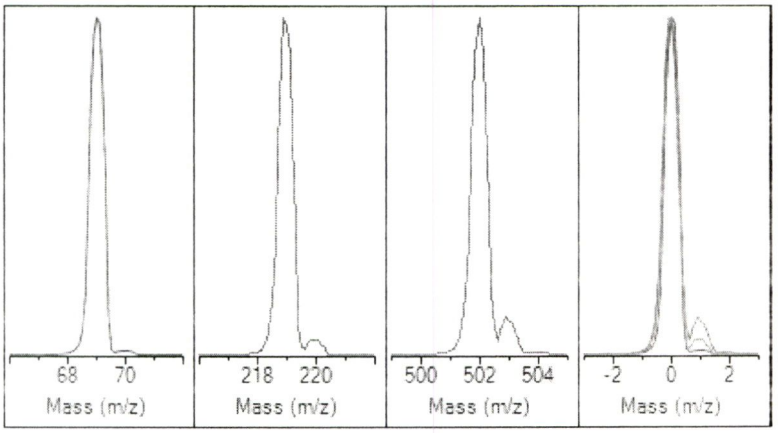
High Efficiency Source Autotune - 5977

Tune timestamp: 5/6/2024 7:55 AM (UTC-05:00) Autotune.

D:\MASSHUNTER\GCMS\1\5977\HES_Atune.u (5) Blank prior to PM

GCMS #4

US1837D002



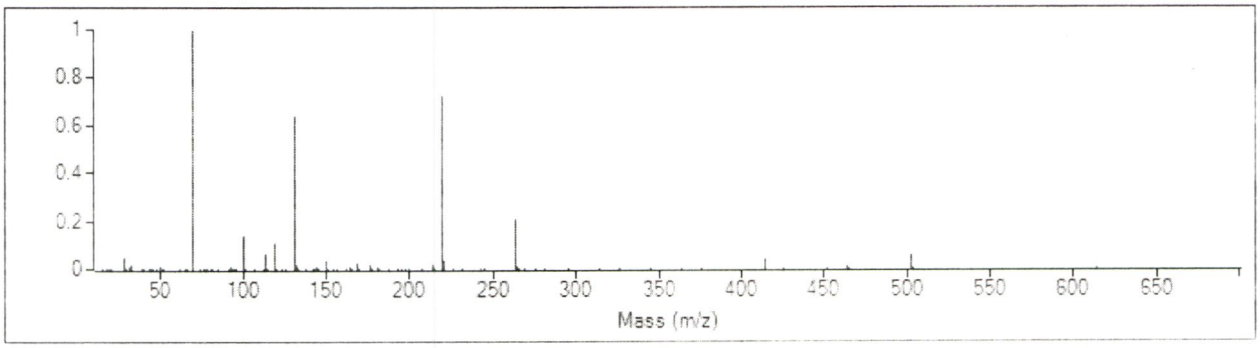
Ion Polarity	Pos	PFTBA	Open
Emission	100.0	Mass Gain	94
Electron Energy	70.0	Mass Offset	-28
Filament	2	Amu Gain	2441
Repeller	11.14	Amu Offset	137.56
Ion Focus	146.6	Width219	-0.004
Entrance Lens	7.5	DC Polarity	Pos
Ent Lens Offset	17.18	HED Enable	On
Ion Body	4.00	EM Volts	2244.3
Post Extractor 1	16	Extractor Lens	10.40
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	438,917	100.0%	0.60
218.90	345,831	78.8%	0.59
502.00	33,444	7.6%	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	105	69.00	410,560	1,383,577



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	410,560	100.0%	70.00	4,725	1.2%
219.00	219.00	296,960	72.3%	220.00	13,262	4.5%
502.00	502.10	22,776	5.5%	503.00	2,144	9.4%

Air/Water Check: H20 ~0.4% N2 ~5.2% O2 ~1.6% CO2 ~0.2% N2/H20 ~1479.5%

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

Ramp Criteria:

Ion Focus maximum 128 volts using ion 502; Electron Multiplier Gain 17298.462

Repeller maximum 35 volts using ion 219; Gain Factor 0.1730

Mass Gain Values(Scan Speed): 100(3) 100(2) 111(1) 121(0) 129(FS1) 198(FS2) 110(FS3)

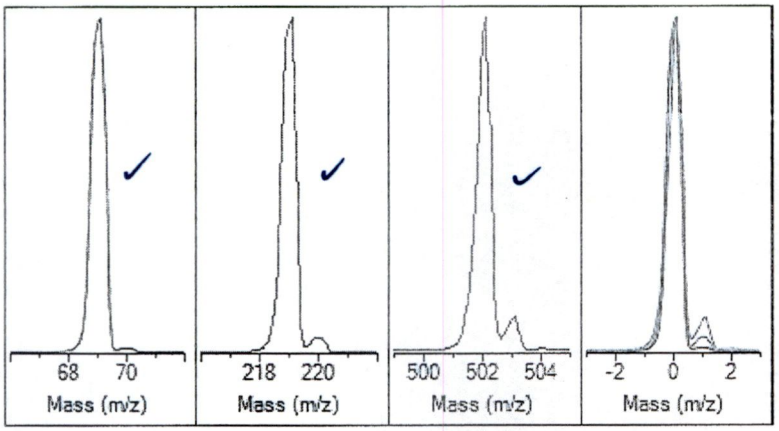
TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	137.6	137.6	137.6	137.6	137.6	137.6	137.6
Entrance Lens Offset	17.2	17.2	17.2	17.2	17.2	17.2	17.2

DS
OK

High Efficiency Source Autotune - 5977

Tune timestamp: 5/7/2024 8:27 AM (UTC-05:00) GCMS #4

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



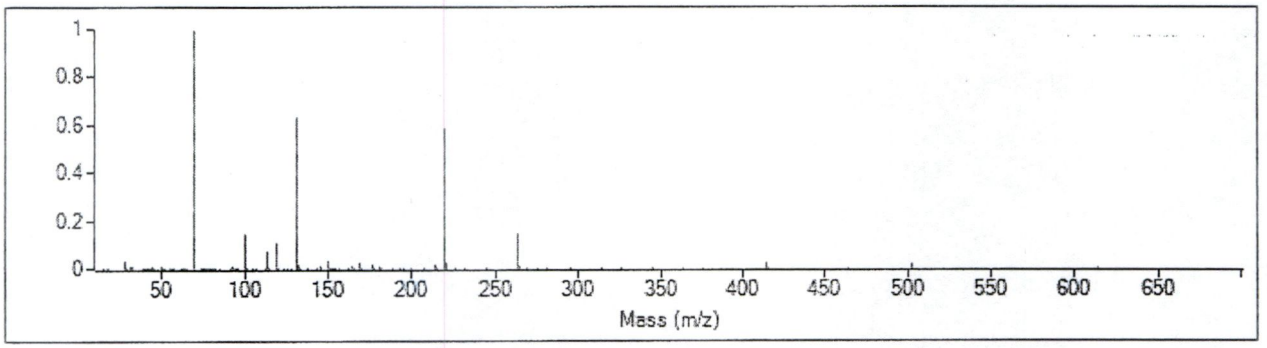
Ion Polarity	Pos	PFTBA	Open
Emission	100.0	Mass Gain	88
Electron Energy	70.0	Mass Offset	-28
Filament	2	Amu Gain	2466
Repeller	9.49	Amu Offset	135.63
Ion Focus	135.7	Width219	-0.004
Entrance Lens	10.1	DC Polarity	Pos
Ent Lens Offset	14.94	HED Enable	On
Ion Body	4.50	EM Volts	2085.0
Post Extractor 1	15	Extractor Lens	11.10
Post Extractor 2	40	Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.10	439,297	100.0%	0.60
219.10	262,037	59.6%	0.58
502.10	10,129	2.3%	0.56

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.42e-06

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	108	69.00	408,576	1,258,202



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	408,576	100.0%	70.00	4,781	1.2%
219.00	219.00	238,848	58.5%	220.00	10,510	4.4%
502.00	502.10	9,072	2.2%	503.10	929	10.2%

Air/Water Check: H20 ~0.2% N2 ~3.5% O2 ~1.1% CO2 ~0.6% N2/H20 ~1526.6%

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

Ramp Criteria:

Ion Focus maximum 128 volts using ion 502; Electron Multiplier Gain 25038.076

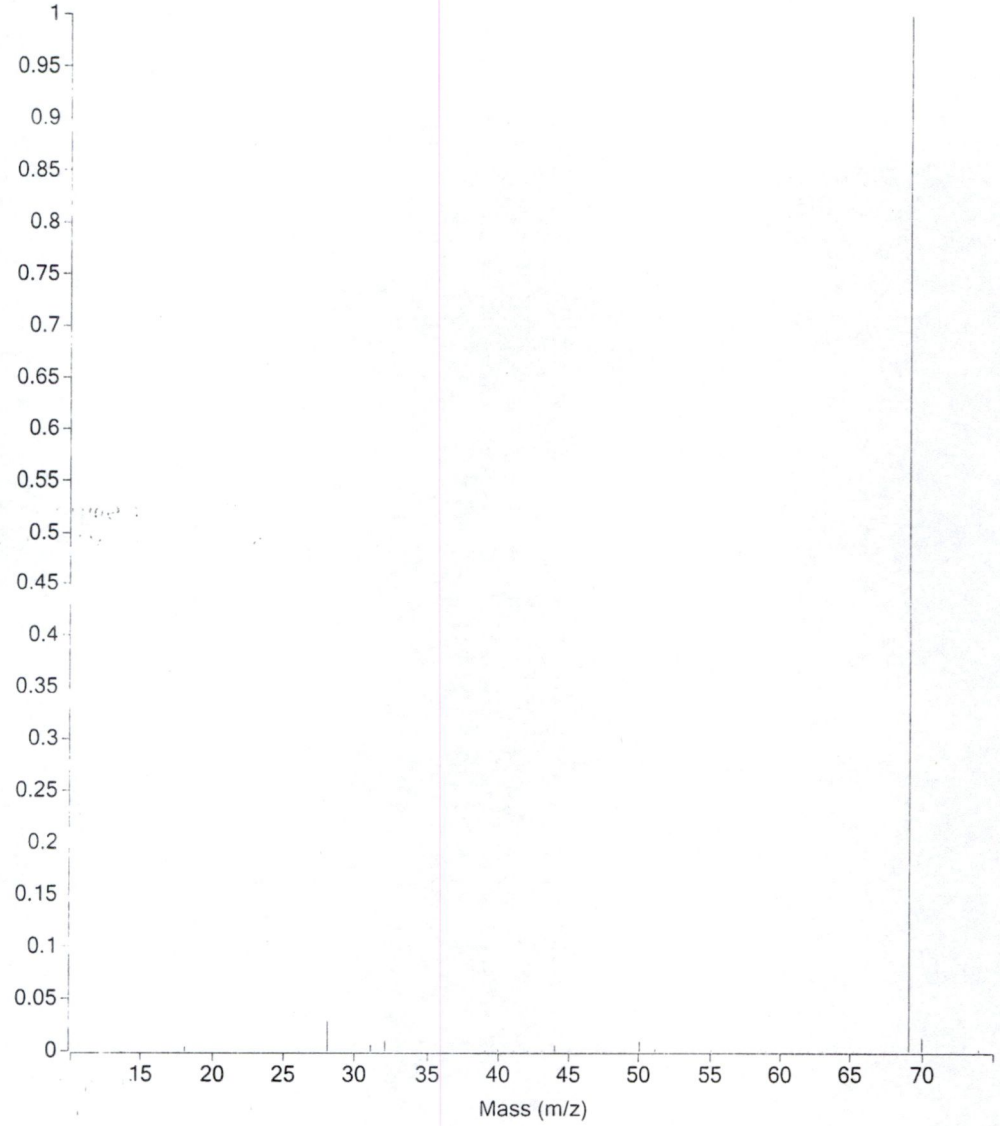
Repeller maximum 35 volts using ion 219; Gain Factor 0.2504

Mass Gain Values(Scan Speed): 94(3) 96(2) 104(1) 118(0) 171(FS1) 170(FS2) 104(FS3)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	135.6	135.6	135.6	135.6	135.6	135.6	135.6
Entrance Lens Offset	14.9	14.9	14.9	14.9	14.9	14.9	14.9

597x Air and Water Check

Instrument: GCMS #4
Tue May 07 08:16:19 2024 D:\MassHunter\GCMS\1\5977\



Current Params used: HES_Atune.u

Relative abundances:

18/69 =	0.41	Water%	(counts=6218)
28/69 =	2.96	Nitrogen%	(counts=45352)
32/69 =	0.99	Oxygen%	(counts=15109)
44/69 =	0.62	Carbon Dioxide%	(counts=9543)
28/18 =	729.37	Nitrogen/Water%	

DS

Instrument Name : GCMS #4
DC Polarity : Positive
Filament 2
Current Vacuum status :High Vacuum: 6.22E-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%)	1.17	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.63	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	79.61	OK
Ratio of 502 to 69 should be > 2.4% and is	5.23	OK
Mass 69 Precursor (<= 3%)	0.71	OK
Mass 219 Precursor (<= 6%)	1.87	OK
Mass 502 Precursor (<= 12%)	2.56	OK

597x Air and Water Check
Tue May 07 08:31:19 2024 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%)	0.23	OK
Ratio of 28 to 69 (<10%)	3.52	OK
Electron Multiplier Voltage	2085	OK

Tune portion of System Verification passed.

2024 May 07 0839 Sequence Log .LOG

Starting sequence Tue May 07 08:39:51 2024

MAY 0 8 2024

Instrument Name: GCMS #4
Sequence File: D:\MassHunter\GCMS\1\sequence\Special sequences\PERFORMANCE CHECK.sequence.xml
Comment: Performance Check
Operator: SD GCMS 4
Data Path: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\

Line	Type	Vials	DataFile	Sample Name
Acquisition Method Path: D:\MassHunter\GCMS\1\methods\				
Acquisition Method File: HOT TEMP BLANK.M				
1)	Blank	40	BLK001	Blank (C-22-0046B)
2)	Blank	40	BLK002	Blank (C-22-0046B)
Sequence Table edit performed Tue May 07 08:56:42 2024				
Acquisition Method Path: D:\MassHunter\GCMS\1\methods\				
Acquisition Method File: DrugTest35MS.M				
3)	Blank	1	BLK003	ACN Blank (C-19-0068)
4)	Sample	2	SD GCMS 3 PC-05...-001	Cayman GC-Mix 3 (R-...00
5)	Blank	40	BLK004	EtAC Blank (C-22-0046B)
6)	Sample	11	SD GCMS 3 PC-05...-002	delta-9 THC (R-24-010)
7)	Sample	12	SD GCMS 3 PC-05...-003	MDMB-4en-PINACA (R-...03
8)	Sample	13	SD GCMS 3 PC-05...-004	4-fluoro-MDMB BUTIN...03
9)	Sample	14	SD GCMS 3 PC-05...-005	ADB-5Br INACA (S-22-067)
10)	Sample	15	SD GCMS 3 PC-05...-006	delta-8 THC (S-19-0...ST
11)	Blank	40	BLK005	Blank (C-22-0046B)
12)	Sample	16	SD GCMS 3 PC-05...-007	Flunitrazepam (R-21-028)
13)	Sample	17	SD GCMS 3 PC-05...-008	Butalbital (R-21-012)
14)	Sample	18	SD GCMS 3 PC-05...-009	Clonazolam (S-21-010)
15)	Sample	19	SD GCMS 3 PC-05...-010	4' chloro-Deschloro...05
16)	Sample	20	SD GCMS 3 PC-05...-011	Promethazine (S-21-... S
17)	Blank	40	BLK006	Blank (C-22-0046B)
18)	Sample	21	SD GCMS 3 PC-05...-012	Phencyclidine (PCP)...00
19)	Sample	22	SD GCMS 3 PC-05...-013	LSD (S-22-038)
Acquisition Method Path: D:\MassHunter\GCMS\1\methods\				
Acquisition Method File: DrugTest35MS_20X.M				
20)	Blank	40	BLK007	Blank (C-22-0046B)
21)	Sample	23	SD GCMS 3 PC-05...-014	Psilocin (S-22-009)
22)	Sample	24	SD GCMS 3 PC-05...-015	Protonitazene (S-23-011)
23)	Sample	25	SD GCMS 3 PC-05...-016	Etodesnitazene (S-22-072
Acquisition Method Path: D:\MassHunter\GCMS\1\methods\Archived methods\				
Acquisition Method File: DrugTest35MS-FHTI.M				
24)	Blank	40	BLK008	Blank (C-22-0046B)

DS

MAY 0 8 2024

2024 May 07 0839 Sequence Log .LOG

25) Sample 26 SD GCMS 3 PC-05...-017 Sildenafil (R-22-029)

Acquisition Method Path: D:\MassHunter\GCMS\1\methods\
Acquisition Method File: DrugTest35MS.M

26) Blank 40 BLK009 Blank (C-22-0046B)
27) Sample 27 SD GCMS 3 PC-05...-018 Buprenorphine (S-22-008)
28) Sample 28 SD GCMS 3 PC-05...-019 Hydrocodone (S-23-023)
29) Sample 29 SD GCMS 3 PC-05...-020 Tramadol (~~S-24-004~~) R-24-004 DS
30) Sample 30 SD GCMS 3 PC-05...-021 Oxycodone (S-22-034)
31) Sample 31 SD GCMS 3 PC-05...-022 Codeine (S-23-022)
32) Blank 40 BLK010 Blank (C-22-0046B)
33) Sample 32 SD GCMS 3 PC-05...-023 p-fluoro-Fentanyl (...06
34) Sample 33 SD GCMS 3 PC-05...-024 o-fluoro-Fentanyl (...06
35) Sample 34 SD GCMS 3 PC-05...-025 m-fluoro-Fentanyl (... S
36) Sample 35 SD GCMS 3 PC-05...-026 Testosterone enanth...04
37) Sample 36 SD GCMS 3 PC-05...-027 5a-Androstan-17A-3B...00
38) Blank 40 BLK011 Blank (C-22-0046B)
39) Sample 37 SD GCMS 3 PC-05...-028 Eutylone (S-22-011)
40) Sample 38 SD GCMS 3 PC-05...-029 3,4-Methylenedioxy-...05
41) Sample 39 SD GCMS 3 PC-05...-030 Amphetamine (S-21-0... S
42) Blank 40 BLK012 Blank (C-22-0046B)

Sequence completed Wed May 08 04:36:20 2024

D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\
D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK001.D
Method : D:\MassHunter\GCMS\1\methods\HOT TEMP BLANK.M
Operator : SD GCMS 4
Acq On : 07 May 2024 08:44
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

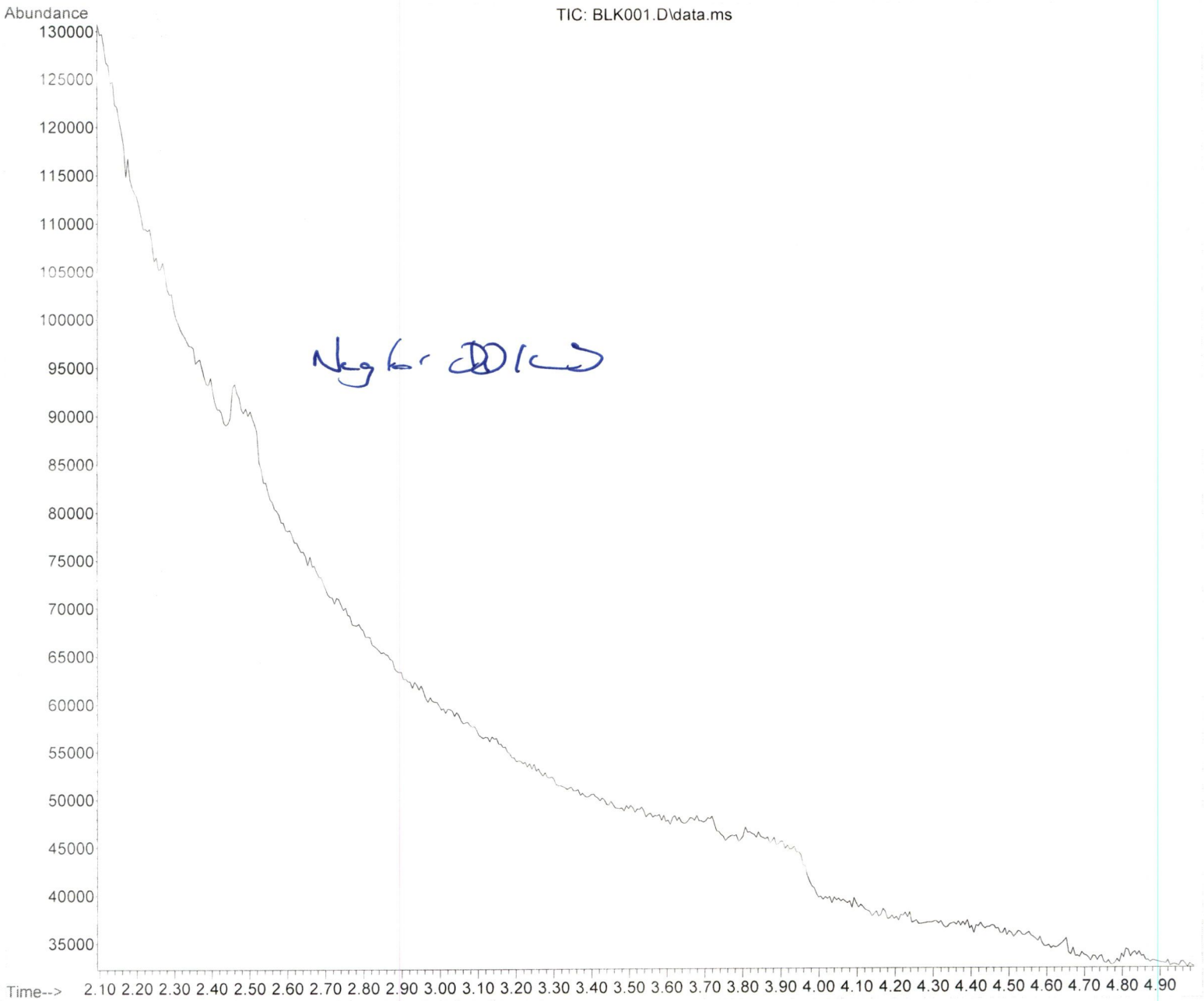
Signal : TIC: BLK001.D\data.ms

MAY 0 8 2024

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!

HOT TEMP BLANK.M Tue May 07 08:49:24 2024 DRUGS



Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK002.D
Method : D:\MassHunter\GCMS\1\methods\HOT TEMP BLANK.M
Operator : SD GCMS 4
Acq On : 07 May 2024 08:51
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

Signal : TIC: BLK002.D\data.ms

MAY 08 2024

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!

HOT TEMP BLANK.M Tue May 07 08:56:30 2024 DRUGS



Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK003.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 09:00
Sample : ACN Blank (C-19-0068)
Misc :
ALS Vial : 1 Blank prior to R-22-004
ExpBcode : 000002794
ActBcode : 000002794

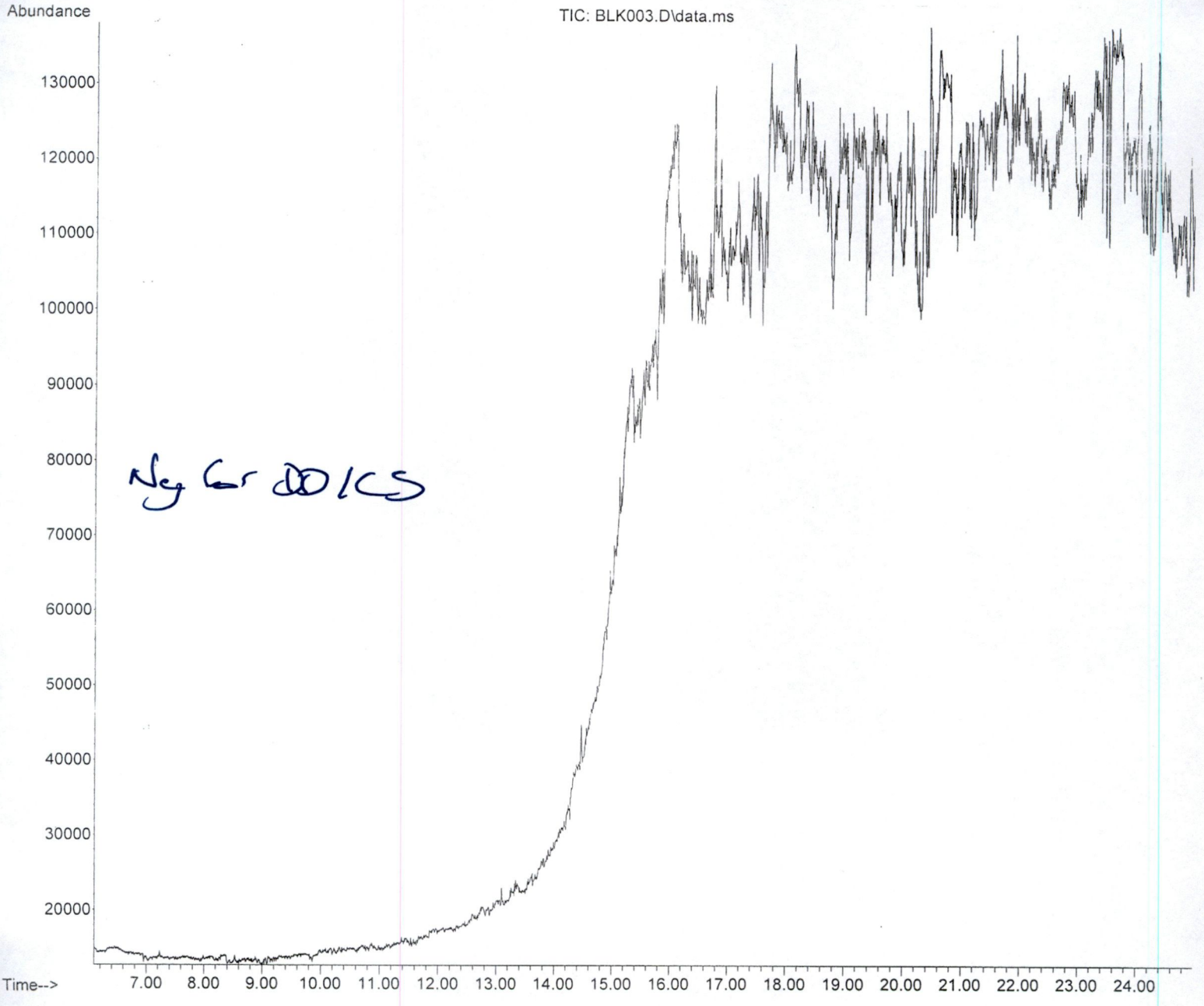
Signal : TIC: BLK003.D\data.ms

MAY 0 8 2024

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 Tue May 07 09:25:45 2024 DRUGS



Neg Cor DD/CS

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-001.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 09:29
Sample : Cayman GC-Mix 3 (R-22-004)
Misc :
ALS Vial : 2
ExpBcode : 000002795
ActBcode : 000002795

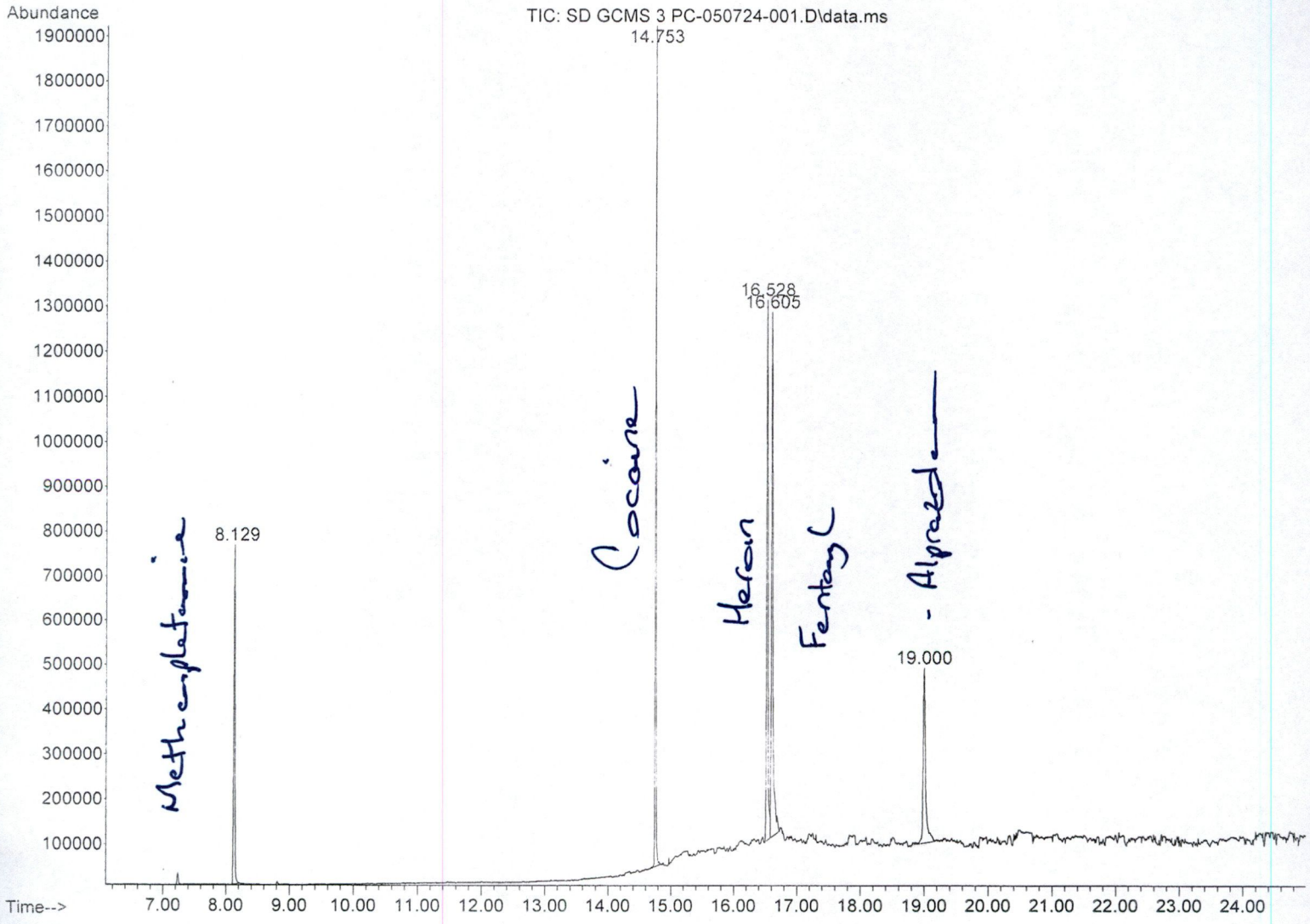
MAY 08 2024

Signal : TIC: SD GCMS 3 PC-050724-001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.129	342	350	366	BB	734225	9604967	48.60%	12.843%
2	14.753	1471	1487	1501	BB	1742347	17881548	90.47%	23.910%
3	16.528	1783	1791	1800	PV	1160348	16880414	85.41%	22.571%
4	16.605	1800	1805	1825	VV	1121495	19764195	100.00%	26.427%
5	19.000	2174	2215	2244	BB 2	385797	10655993	53.92%	14.248%

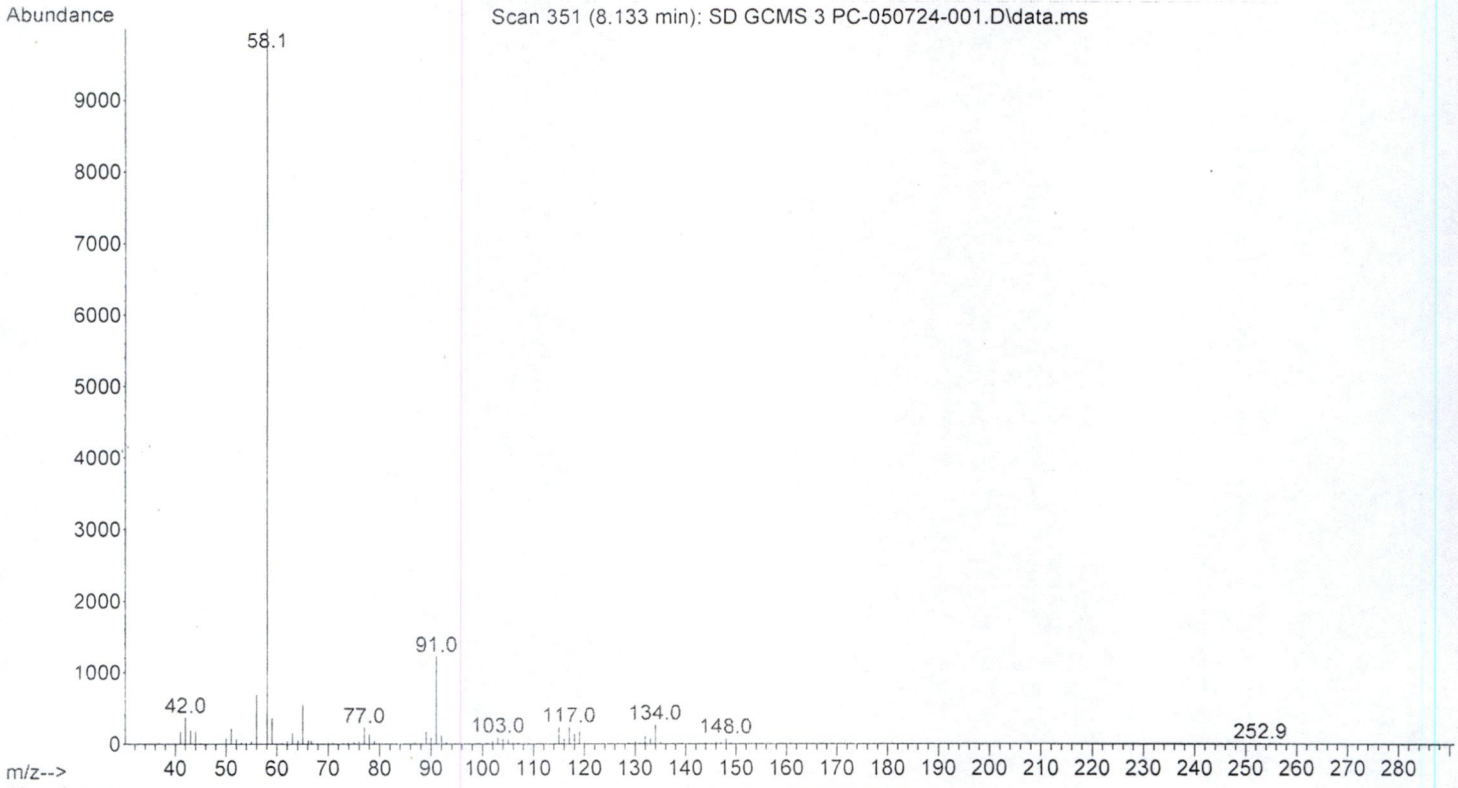
Sum of corrected areas: 74787117

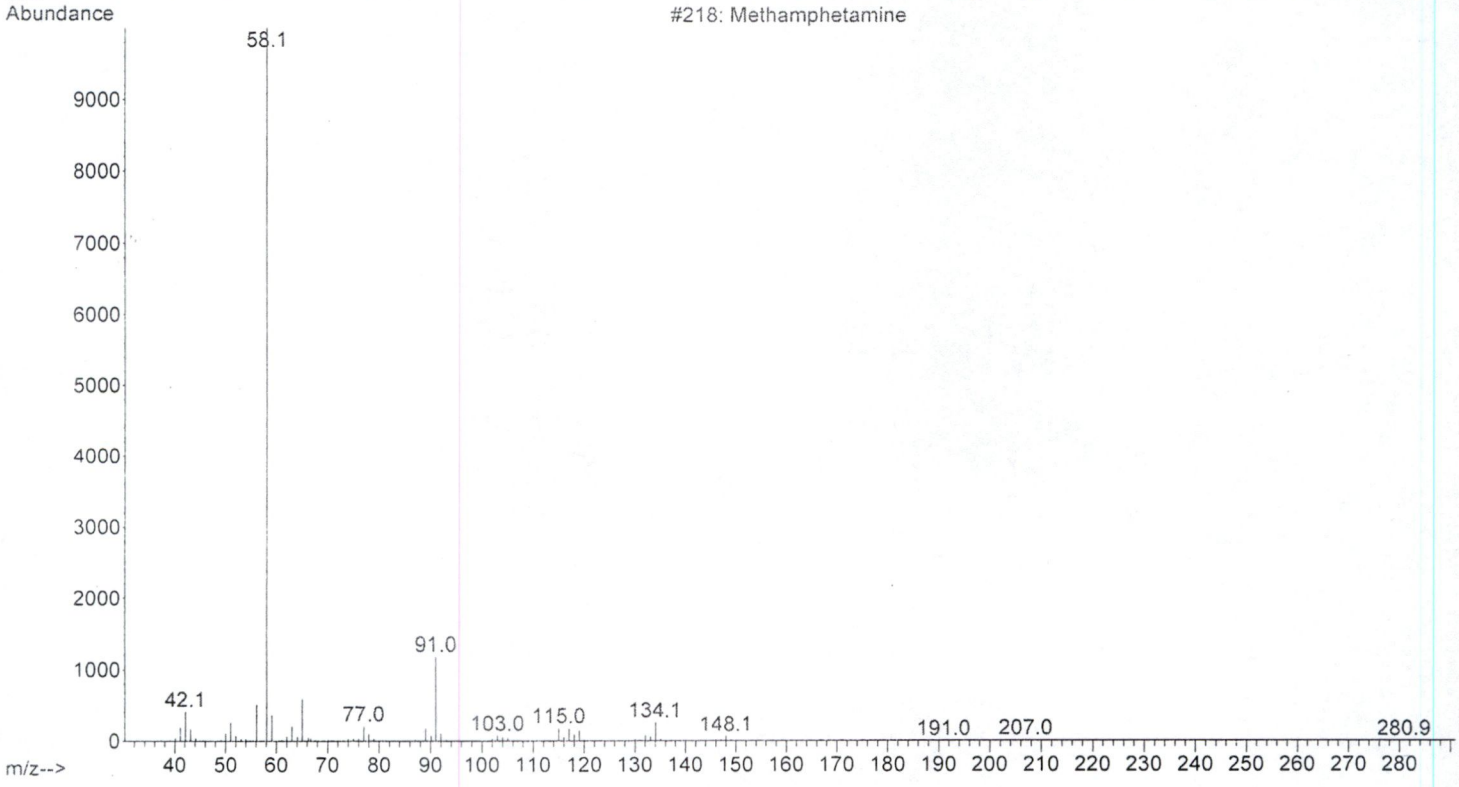
DrugTest35MS.M Tue May 07 09:54:27 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-001.D
Acquired : 07 May 2024 09:29 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC-Mix 3 (R-22-004) 000002795
Misc Info : 000002795
Vial Number: 2

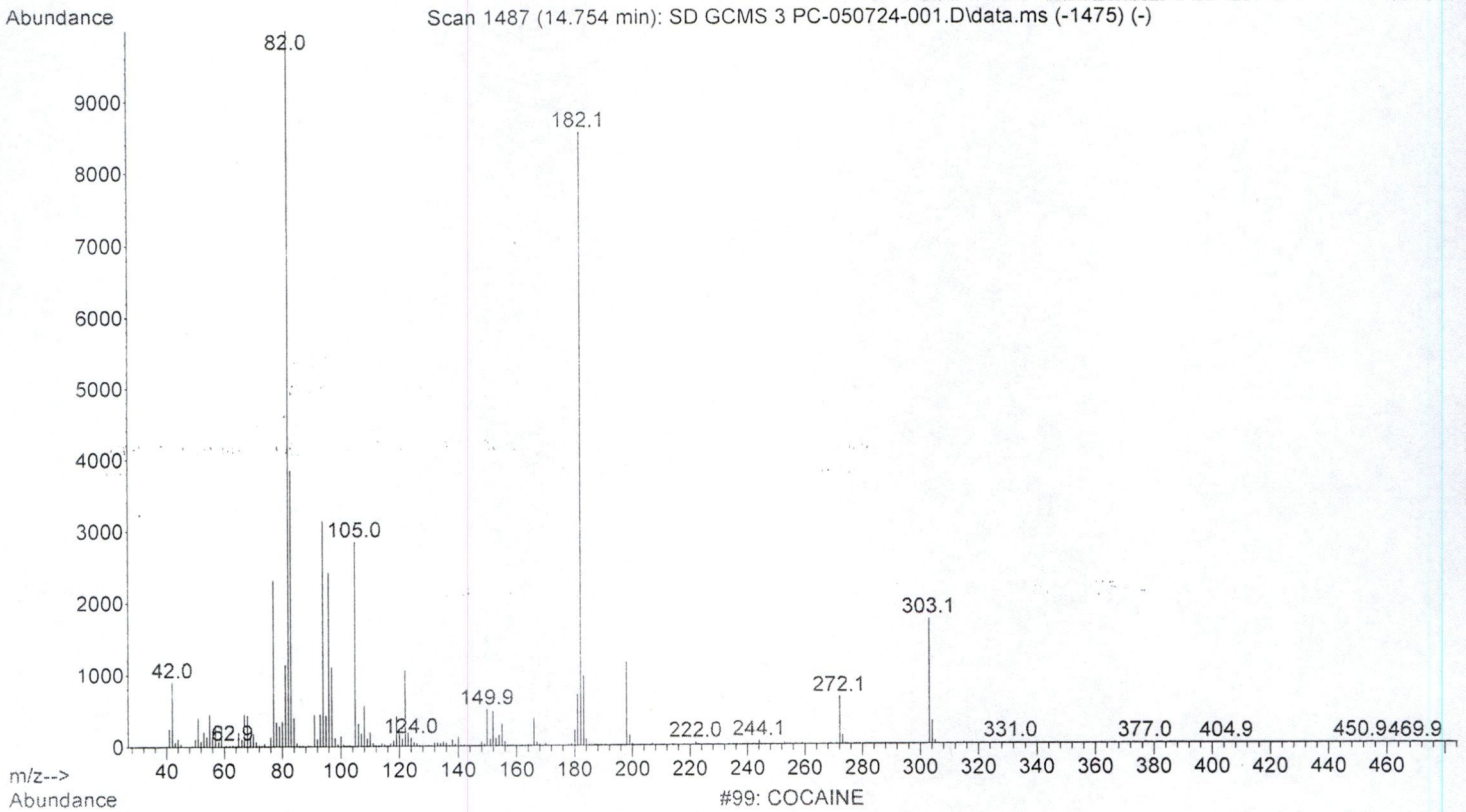
MAY 0 8 2024

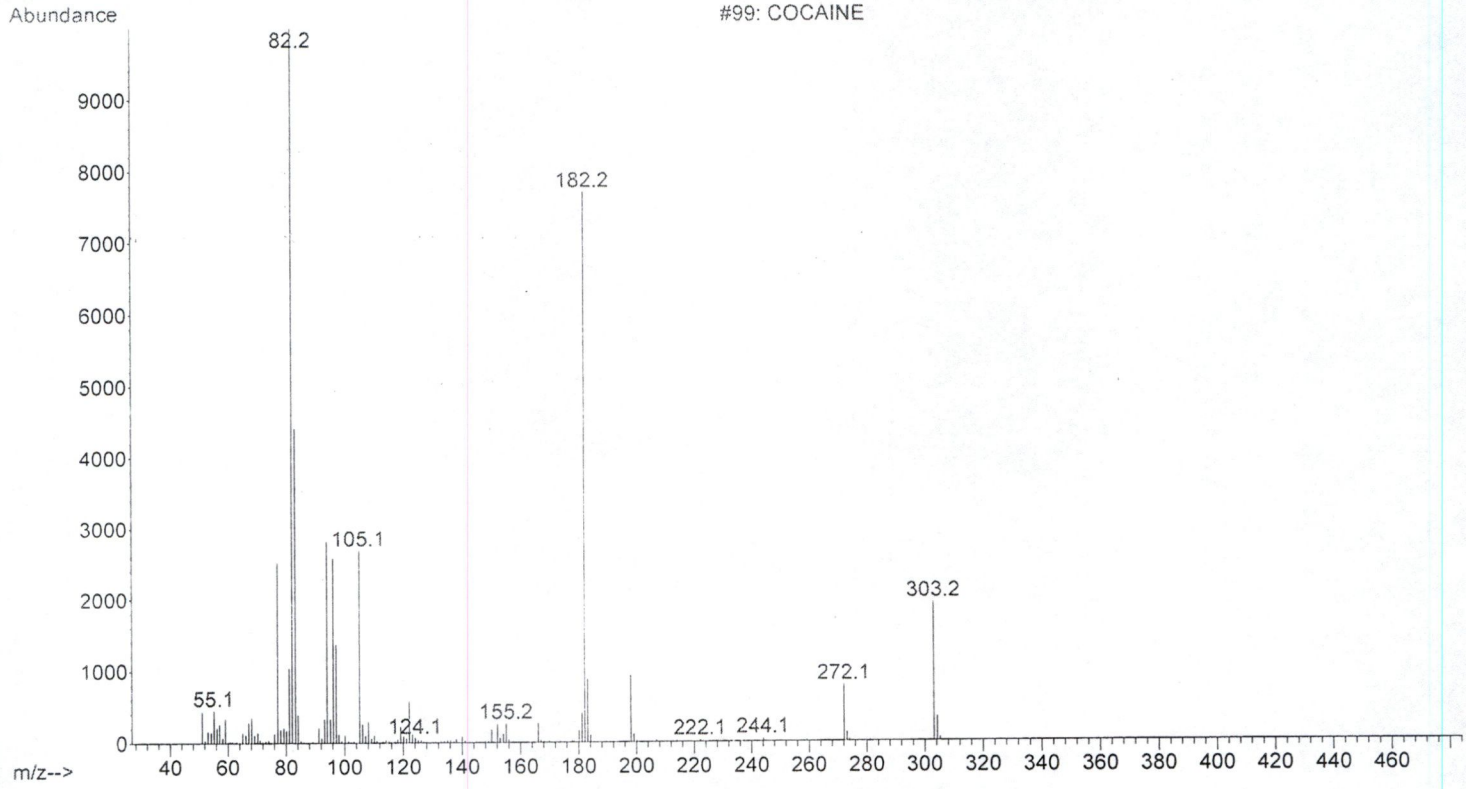




File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-001.D
Acquired : 07 May 2024 09:29 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC-Mix 3 (R-22-004) 000002795
Misc Info : 000002795
Vial Number: 2

MAY 0 8 2024

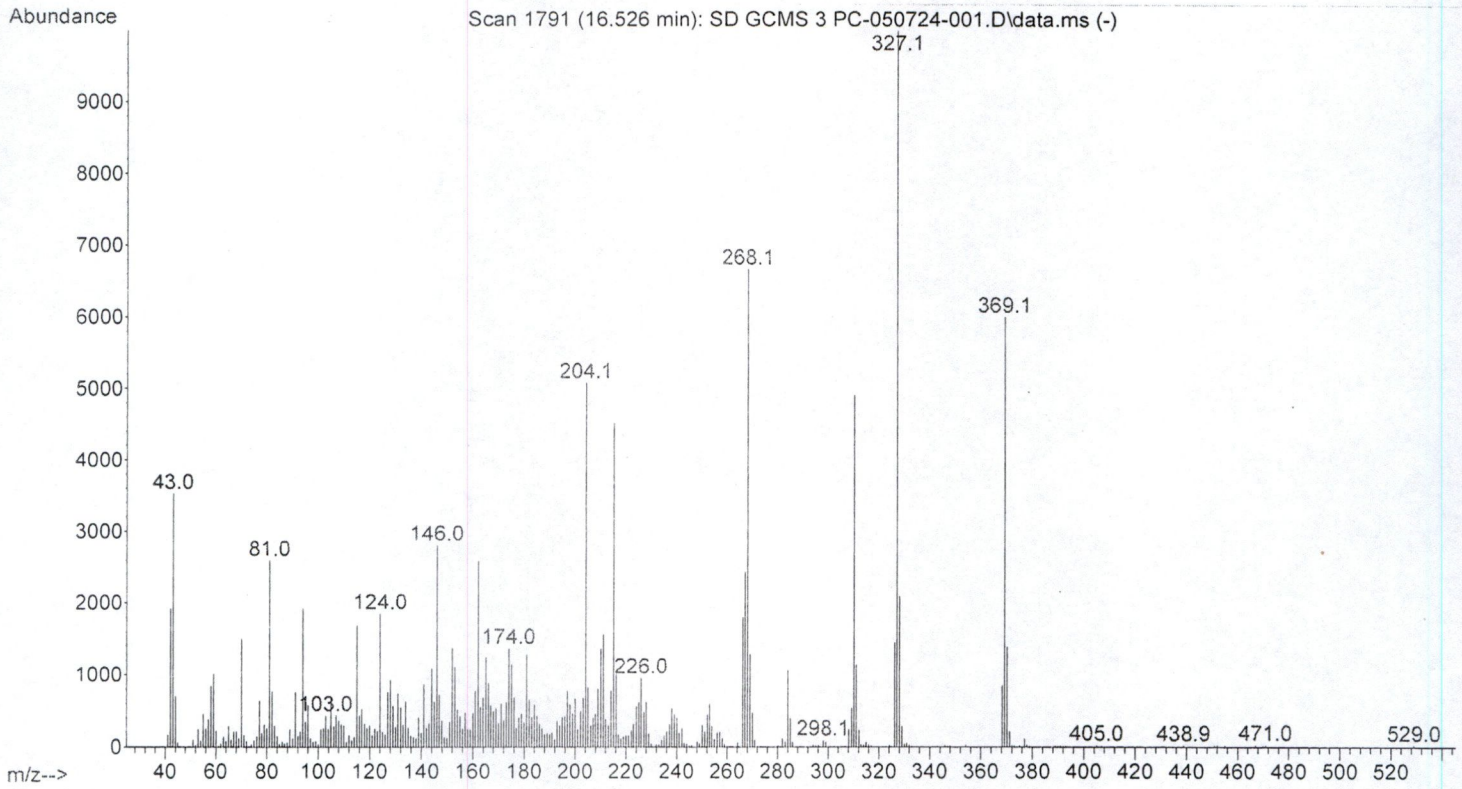


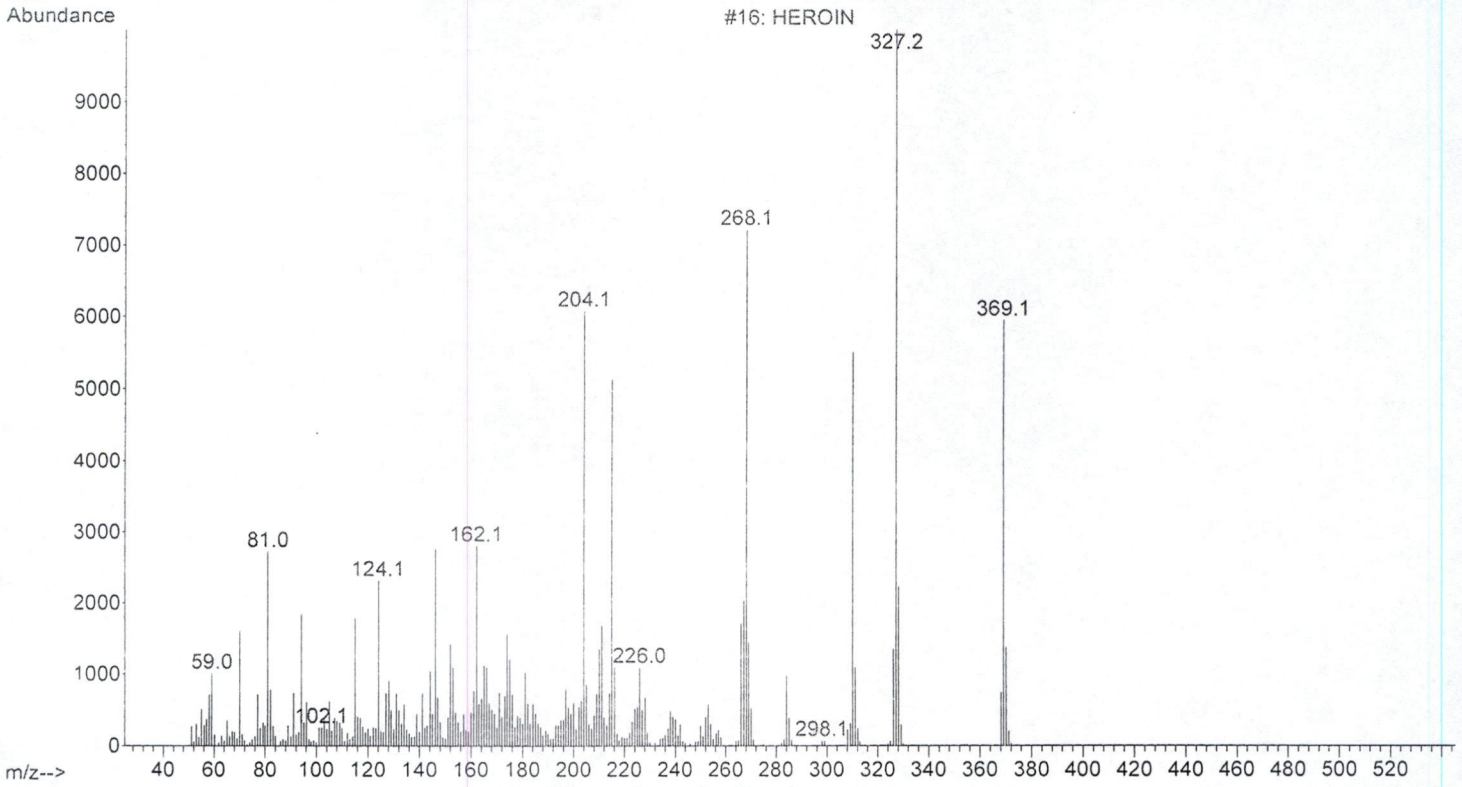


25

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-001.D
Acquired : 07 May 2024 09:29 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC-Mix 3 (R-22-004) 000002795
Misc Info : 000002795
Vial Number: 2

MAY 08 2024

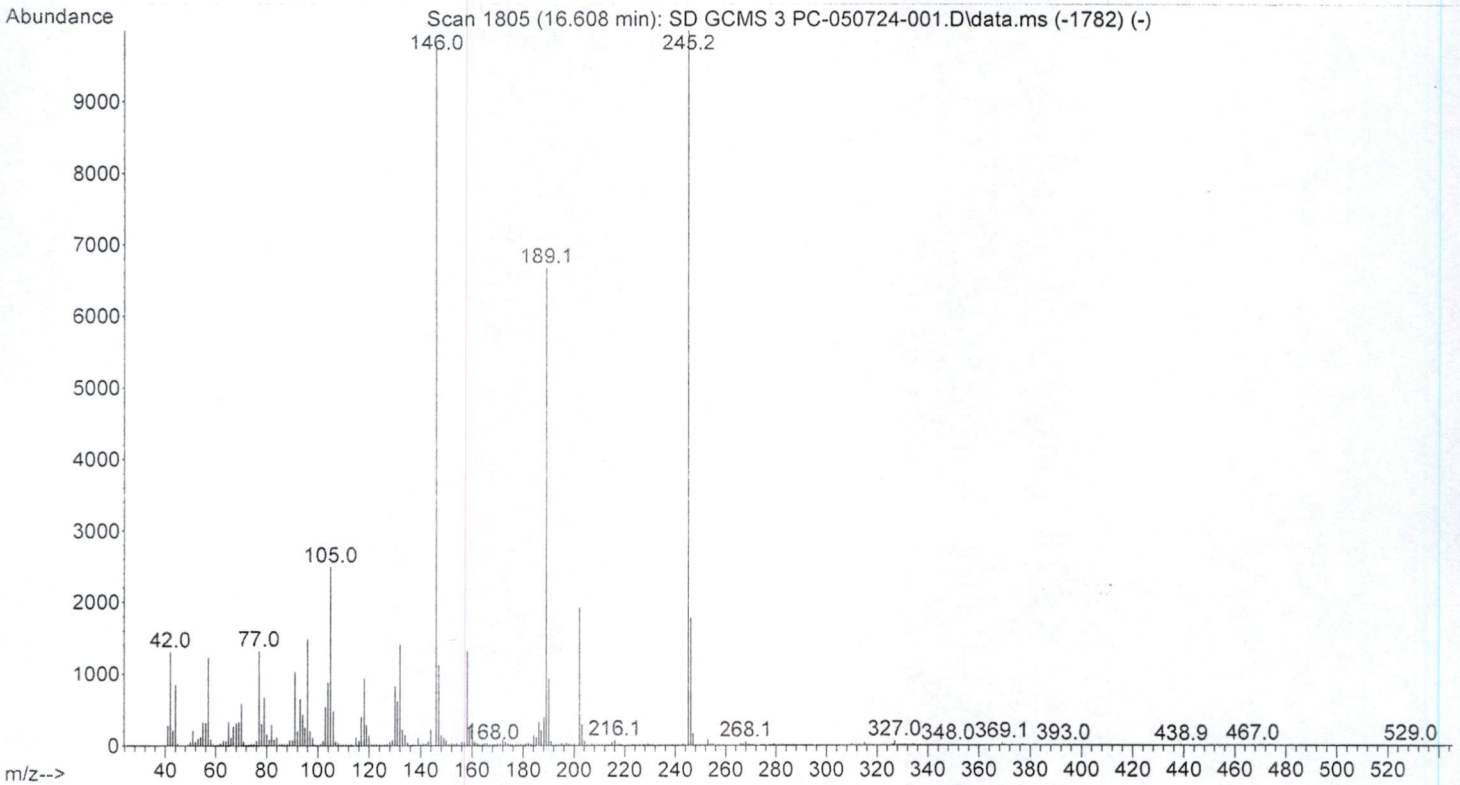


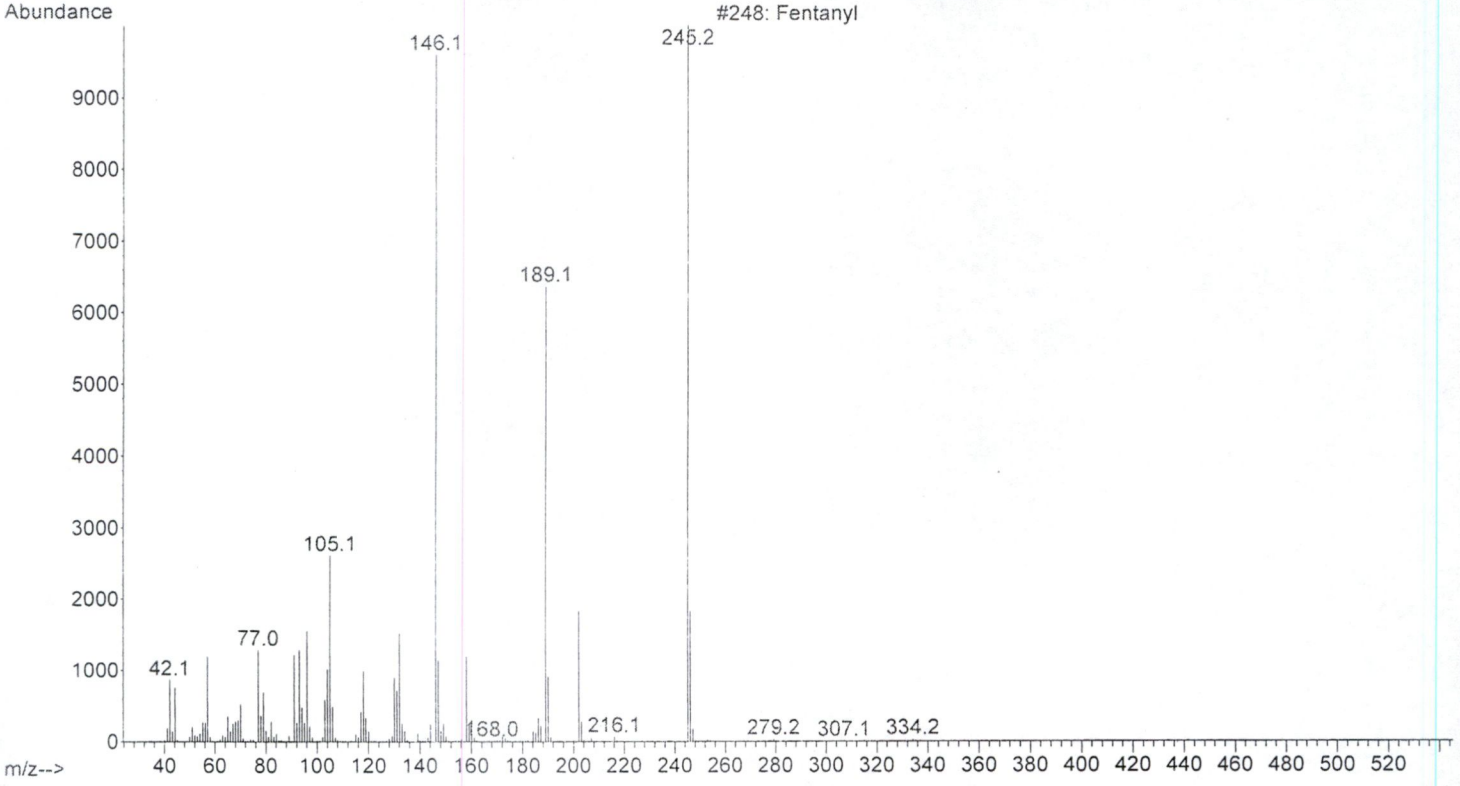


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-001.D
Acquired : 07 May 2024 09:29 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC-Mix 3 (R-22-004) 000002795
Misc Info : 000002795
Vial Number: 2

MAY 0 8 2024

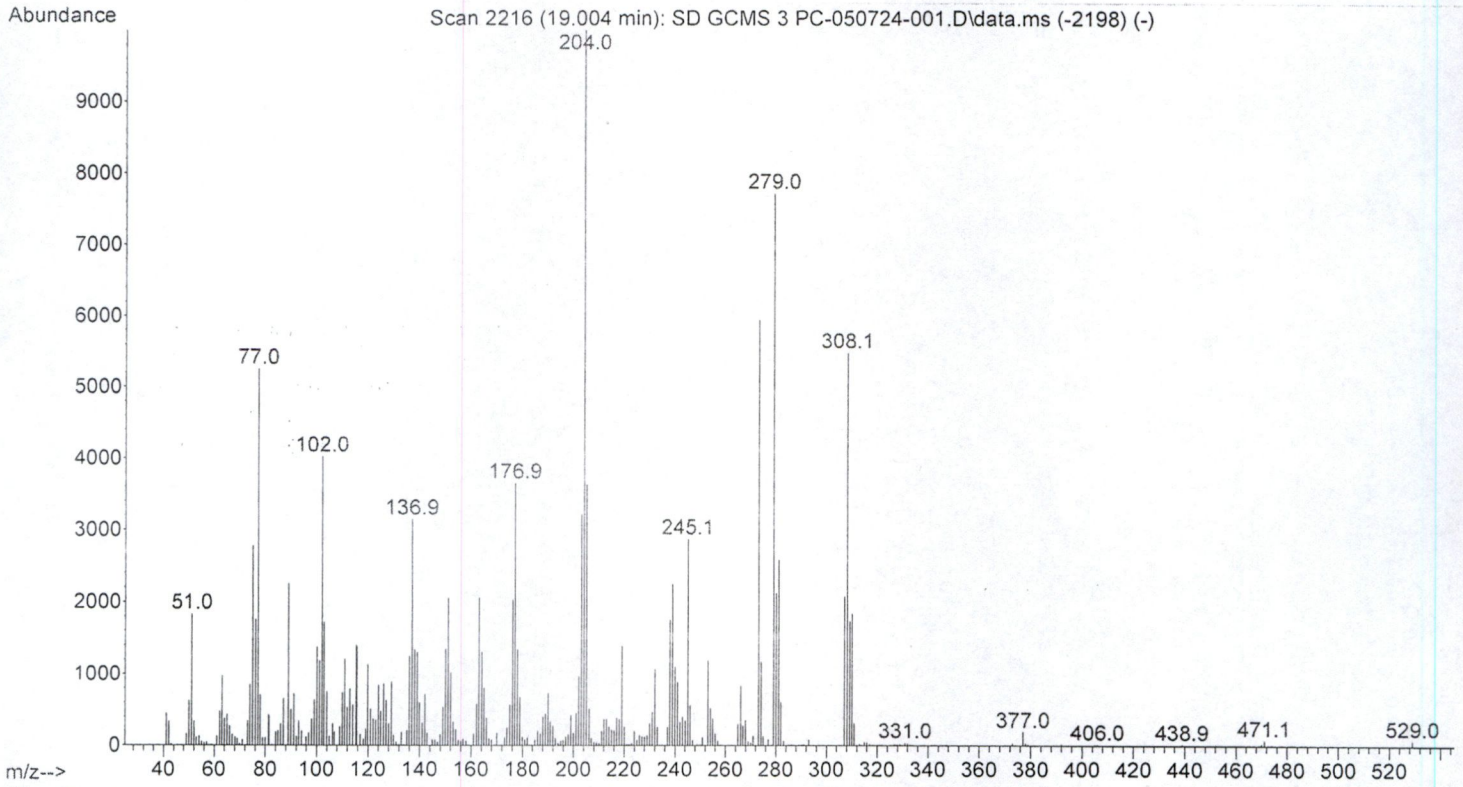


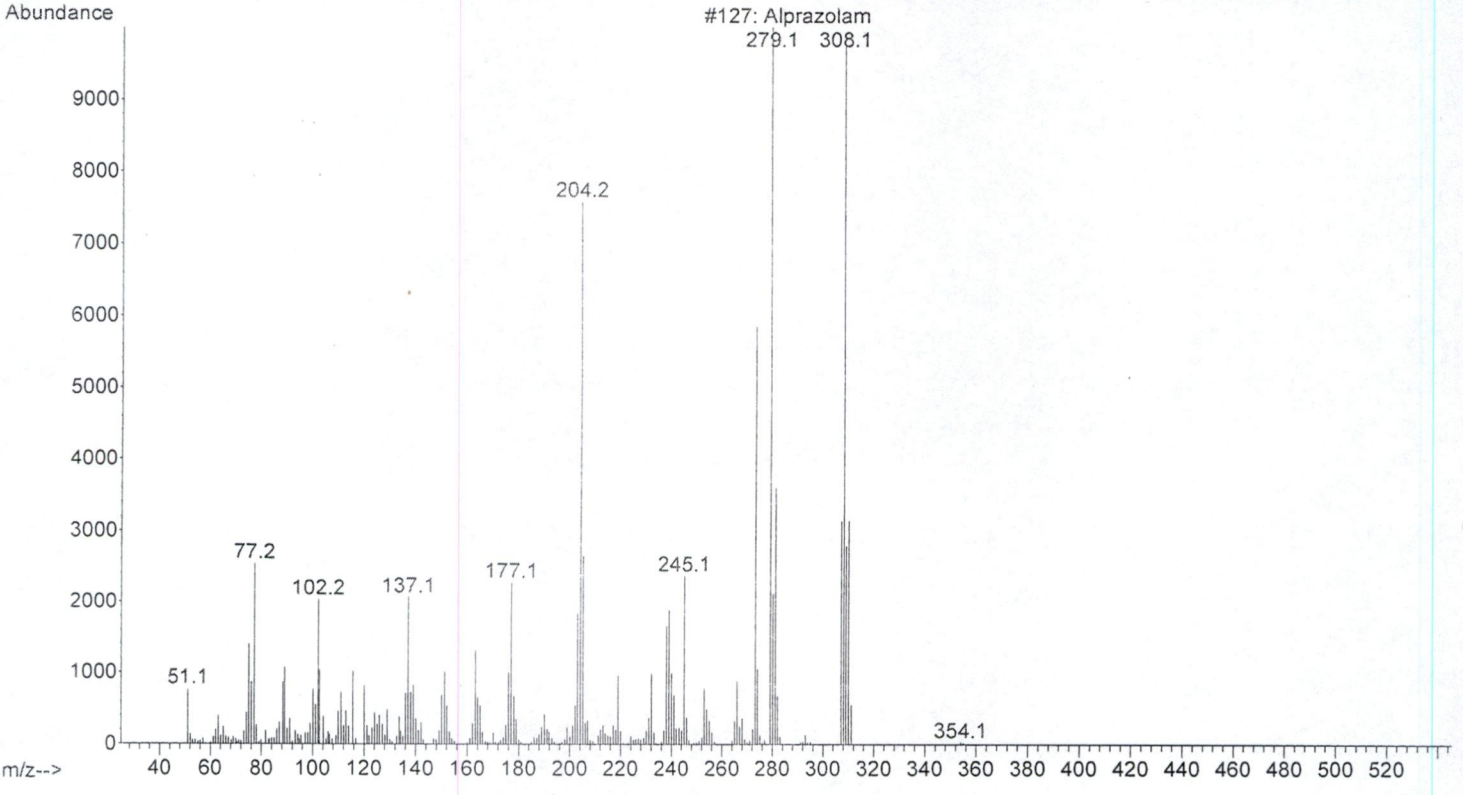


JS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-001.D
Acquired : 07 May 2024 09:29 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Cayman GC-Mix 3 (R-22-004) 000002795
Misc Info : 000002795
Vial Number: 2

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK004.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 09:57
Sample : EtAC Blank (C-22-0046B) Blank after R-22-009
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

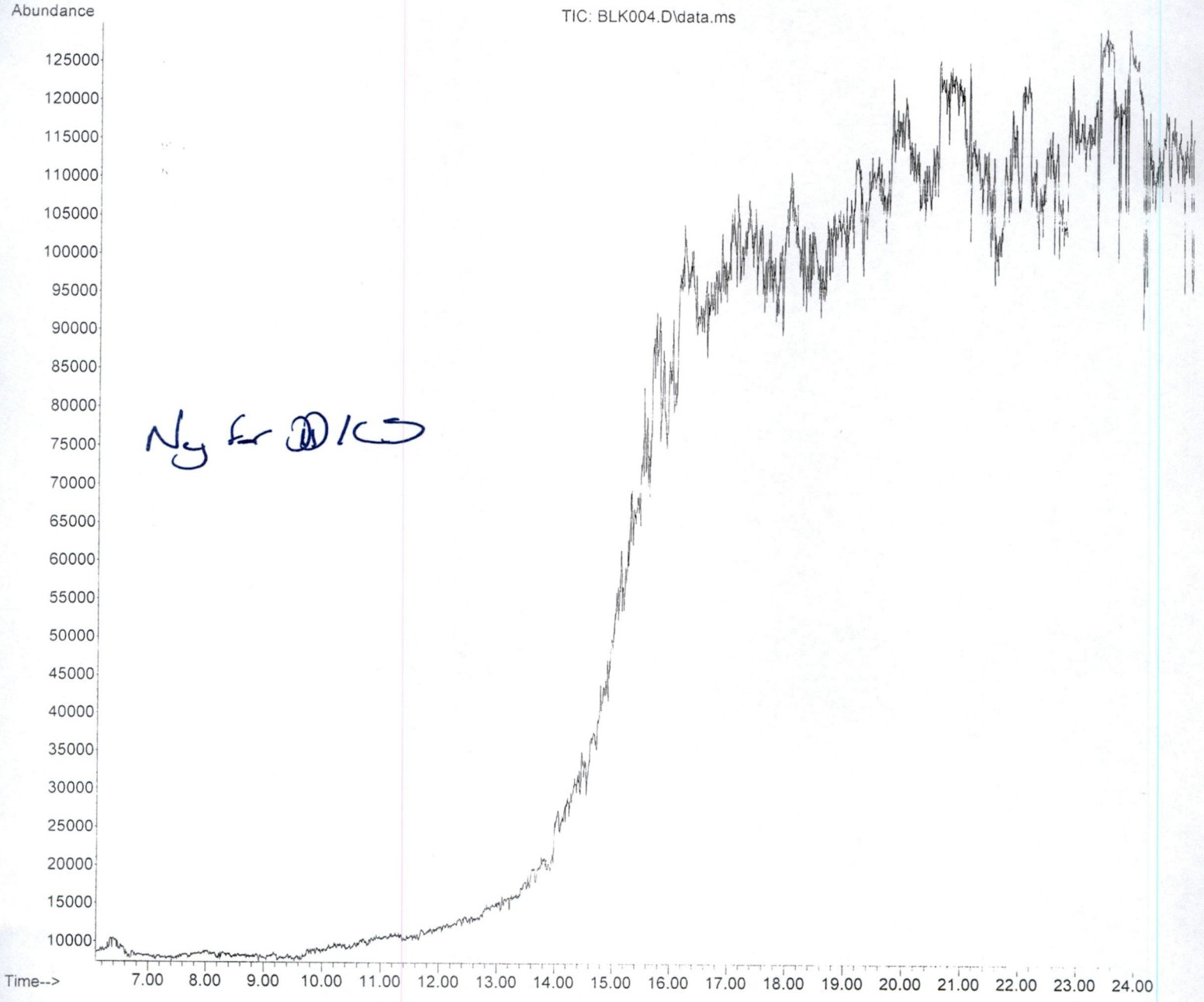
MAY 0 8 2024

Signal : TIC: BLK004.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 Tue May 07 10:23:14 2024 DRUGS



Ny for DDC

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-002.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 10:26
Sample : delta-9 THC (R-24-010)
Misc :
ALS Vial : 11
ExpBcode : 000002628
ActBcode : 000002628

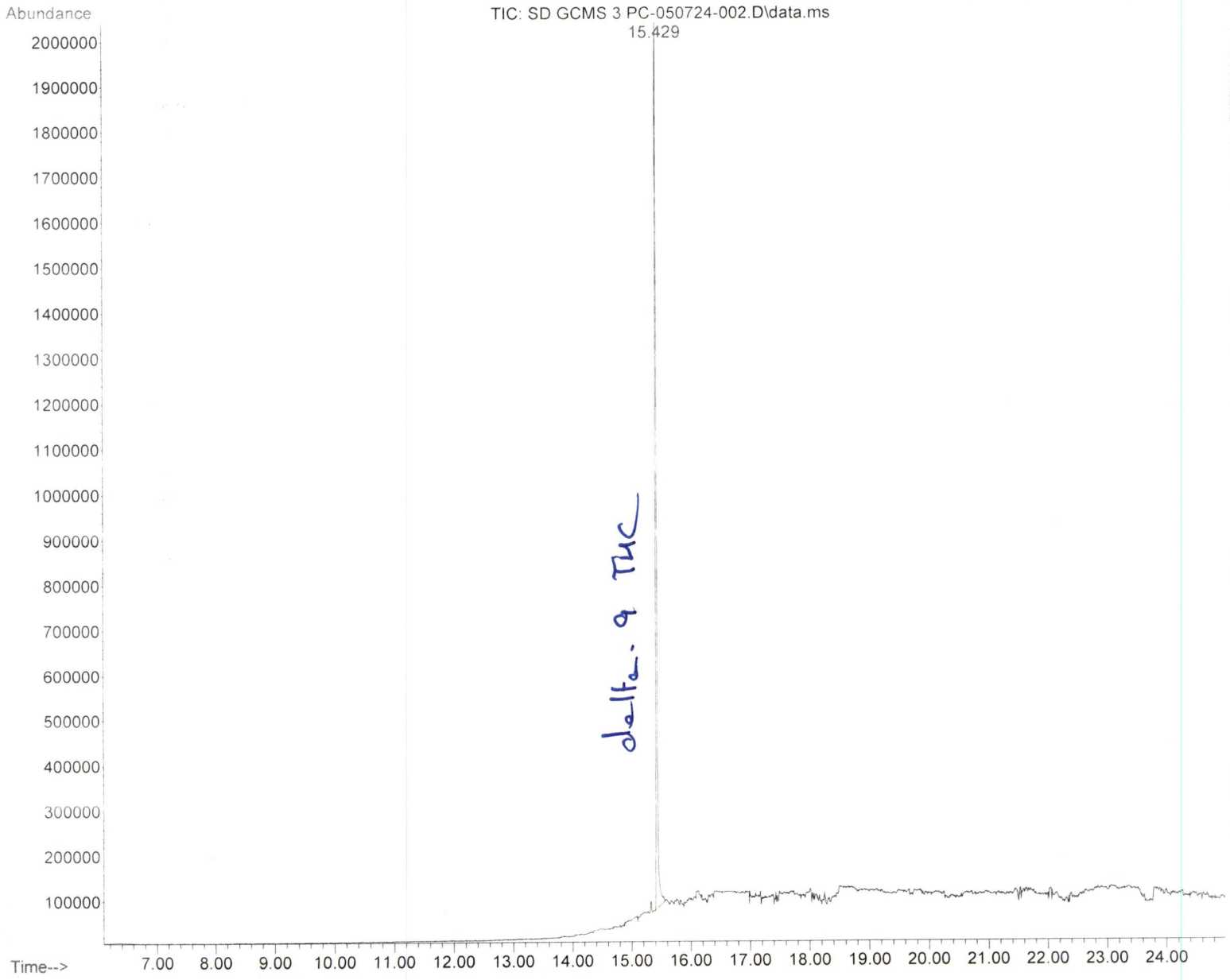
MAY 08 2024

Signal : TIC: SD GCMS 3 PC-050724-002.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	15.429	1591	1603	1627	BB 2	1910656	29341403	100.00%	100.000%

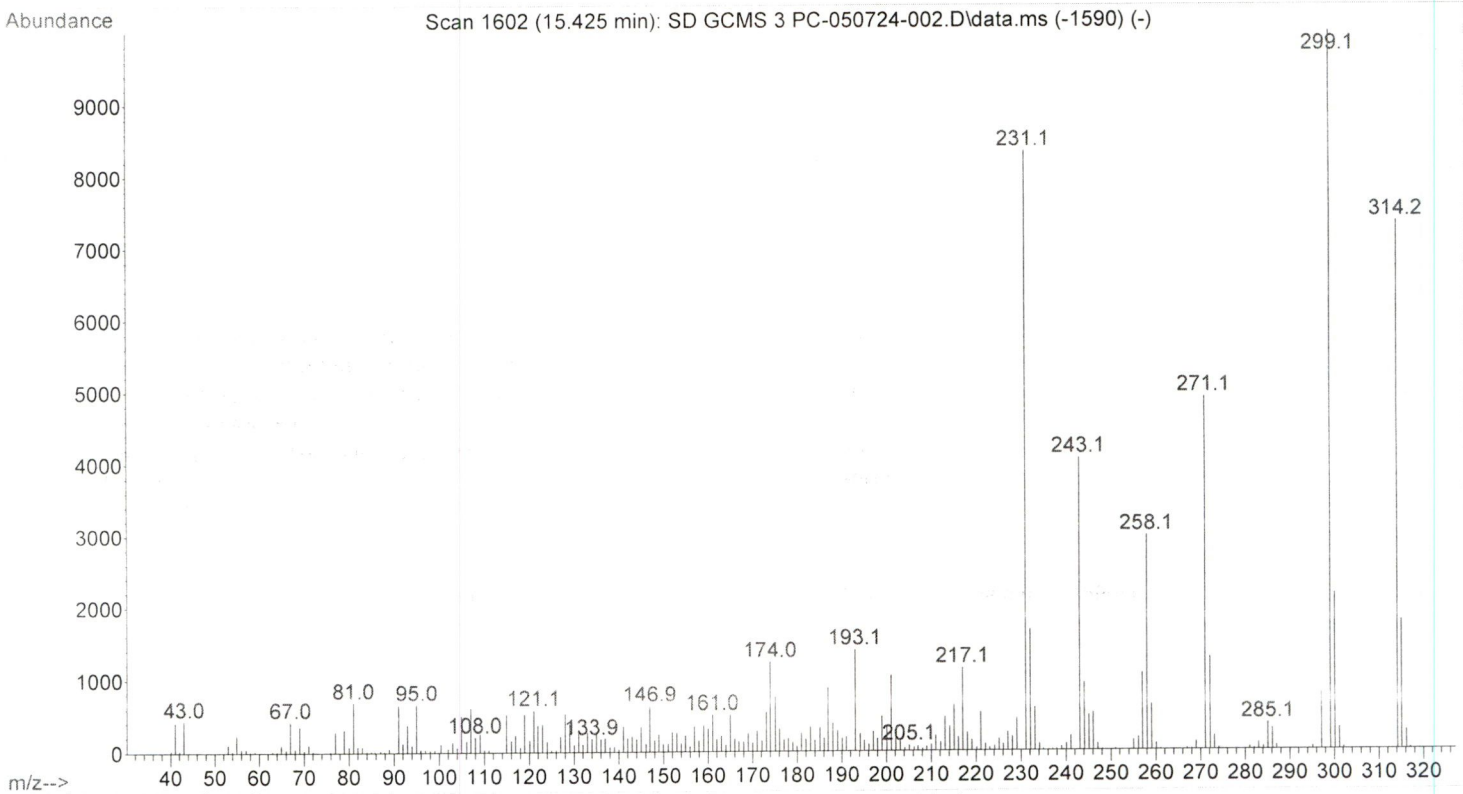
Sum of corrected areas: 29341403

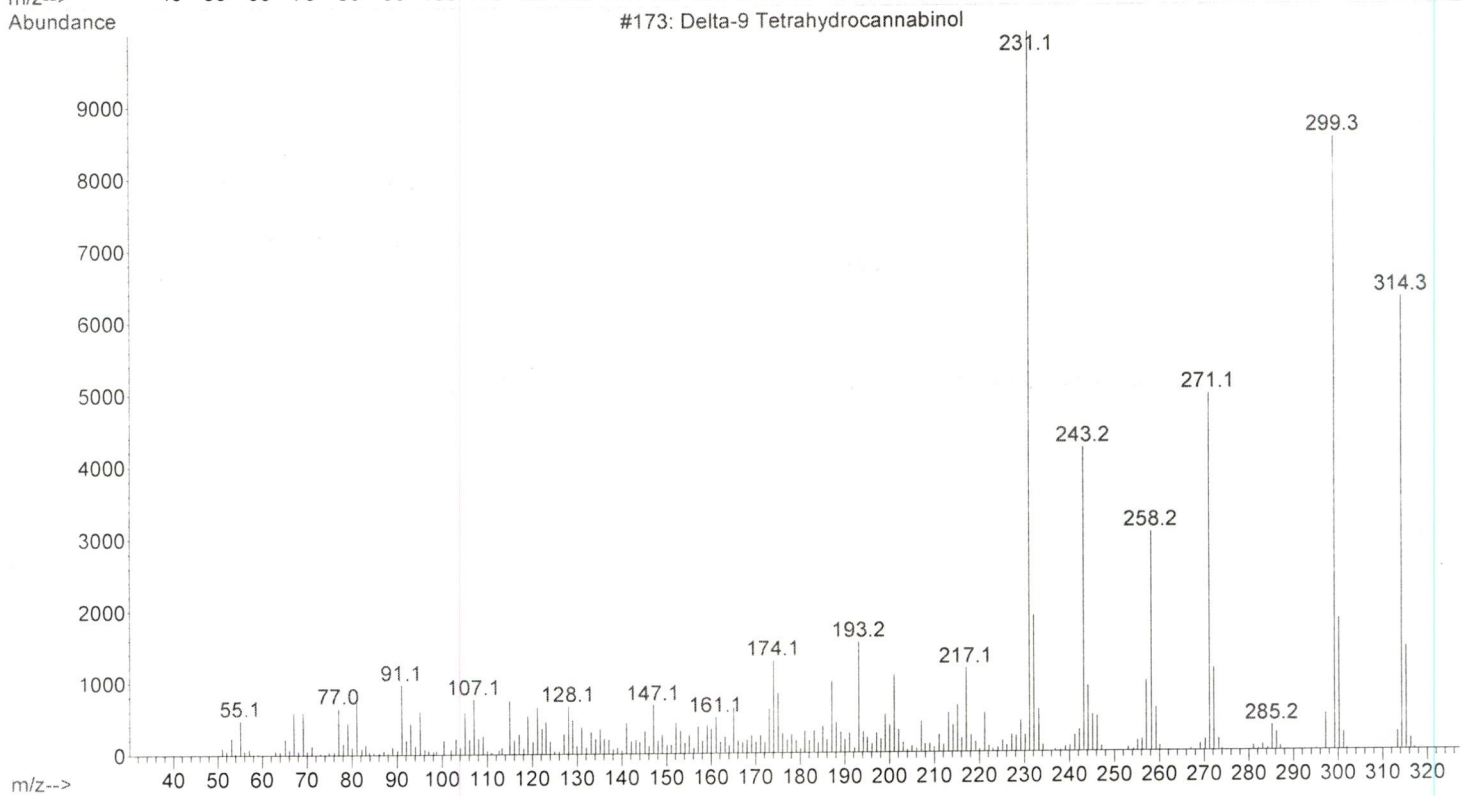
DrugTest35MS.M Tue May 07 10:52:05 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-002.D
Acquired : 07 May 2024 10:26 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: delta-9 THC (R-24-010) 000002628
Misc Info : 000002628
Vial Number: 11

MAY 08 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-003.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 10:55
Sample : MDMB-4en-PINACA (R-22-032)
Misc :
ALS Vial : 12
ExpBcode : 000001341
ActBcode : 000001341

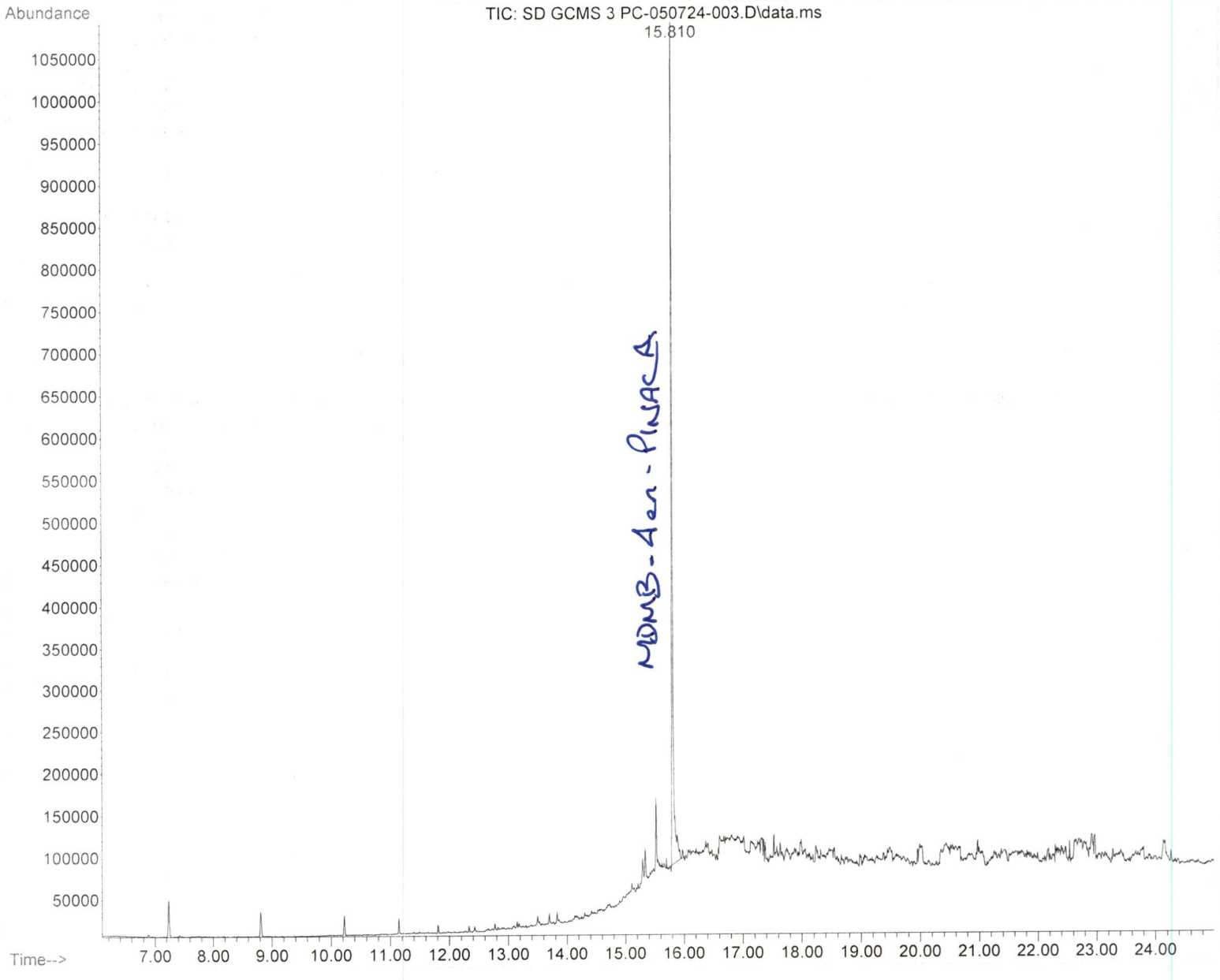
MAY 0 8 2024

Signal : TIC: SD GCMS 3 PC-050724-003.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	15.810	1653	1668	1692	BV	996134	12782725	100.00%	100.000%

Sum of corrected areas: 12782725

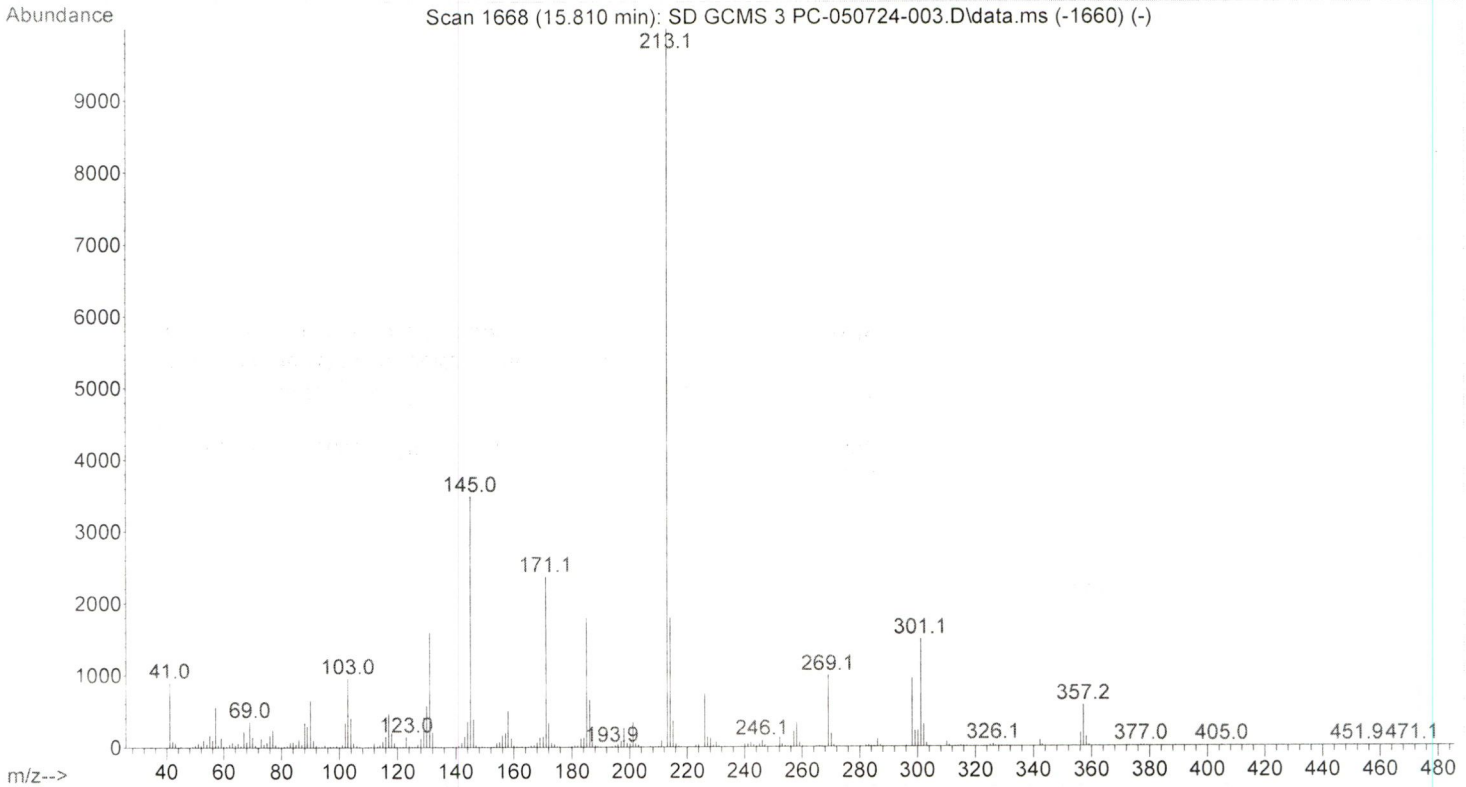
DrugTest35MS.M Tue May 07 11:20:48 2024 DRUGS

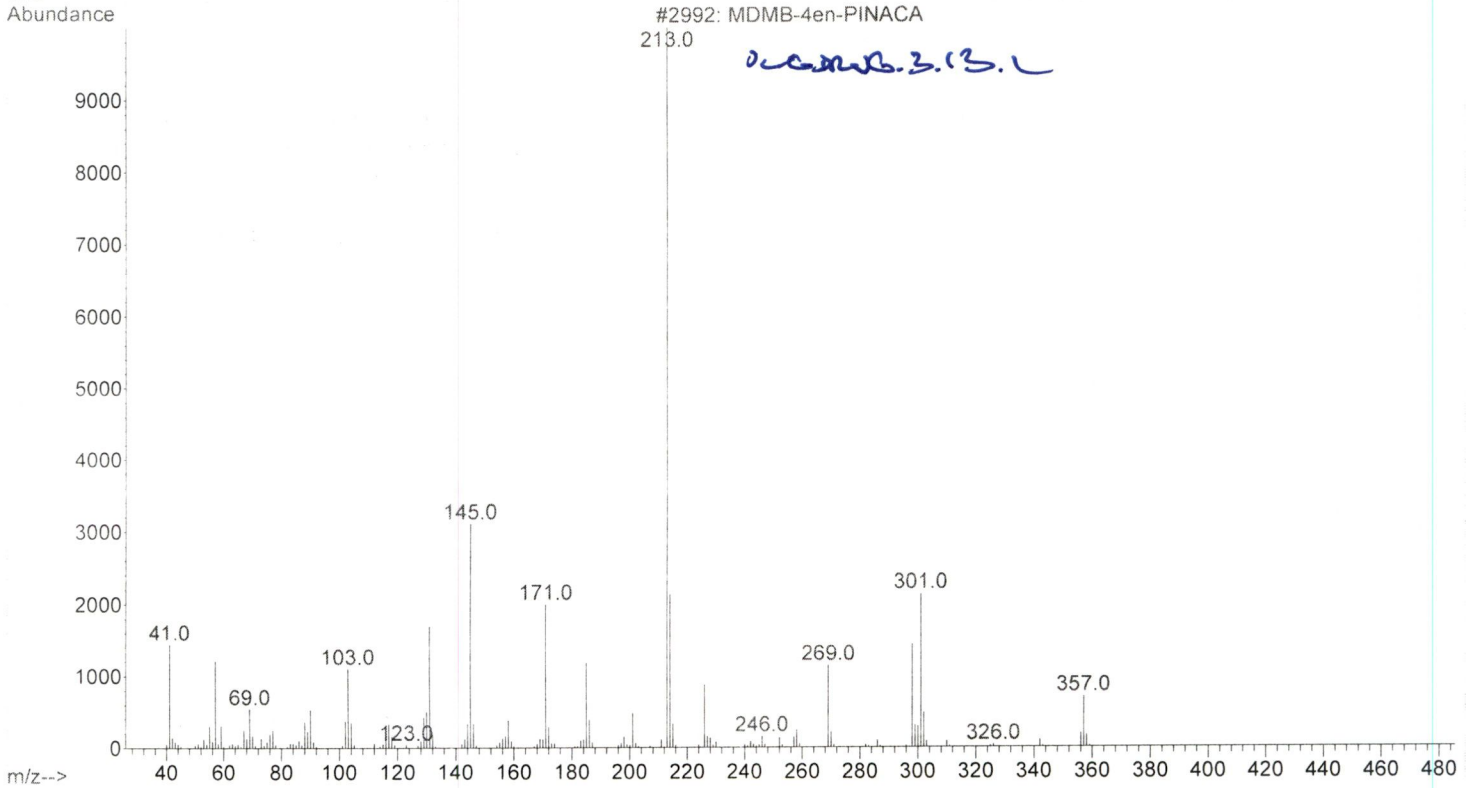


25

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-003.D
Acquired : 07 May 2024 10:55 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: MDMB-4en-PINACA (R-22-032) 000001341
Misc Info : 000001341
Vial Number: 12

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-004.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 11:24
Sample : 4-fluoro-MDMB BUTINACA (R-22-031)
Misc :
ALS Vial : 13
ExpBcode : 000001335
ActBcode : 000001335

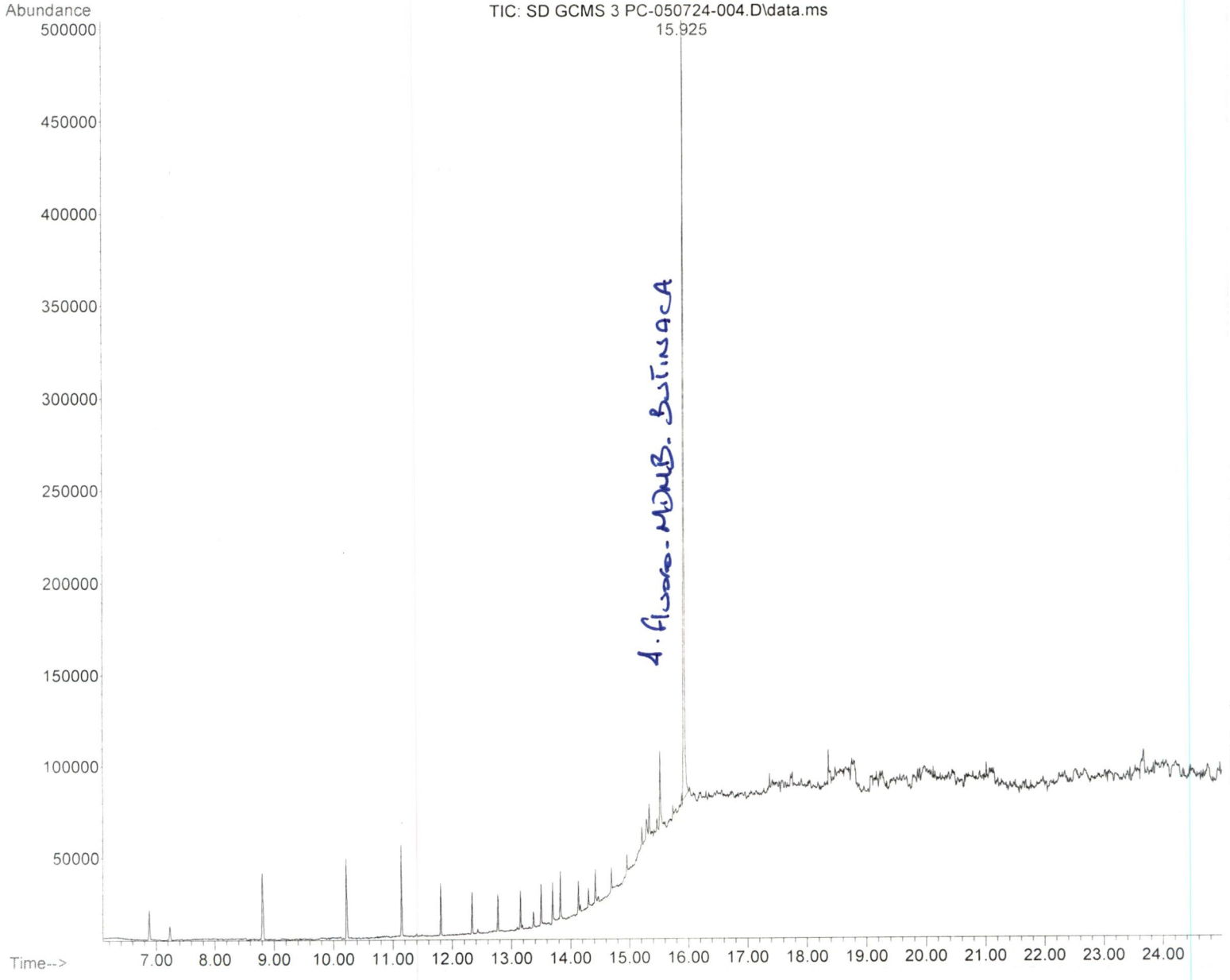
MAY 0 8 2024

Signal : TIC: SD GCMS 3 PC-050724-004.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	15.925	1676	1688	1701	BB	419617	5009700	100.00%	100.000%

Sum of corrected areas: 5009700

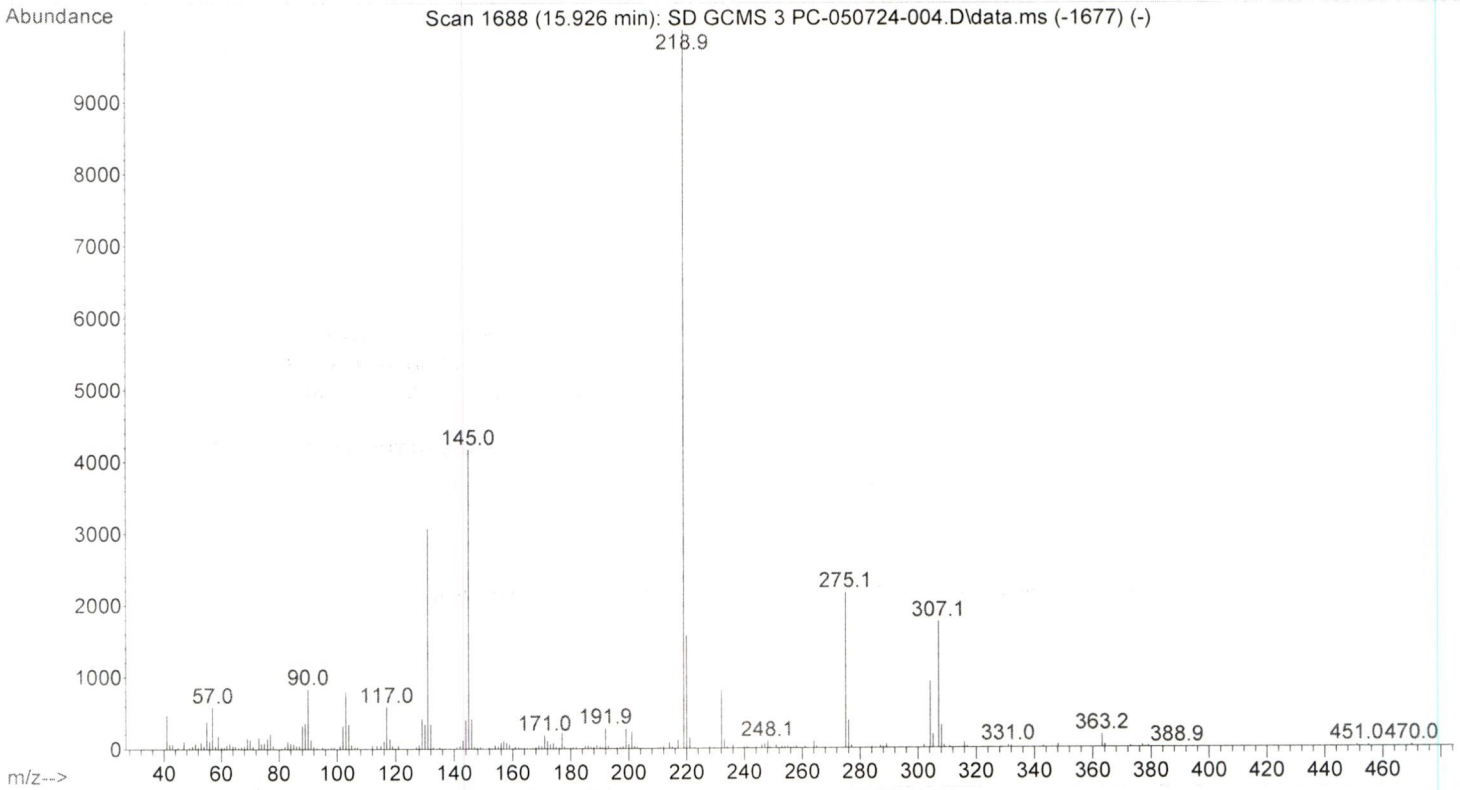
DrugTest35MS.M Tue May 07 11:49:35 2024 DRUGS

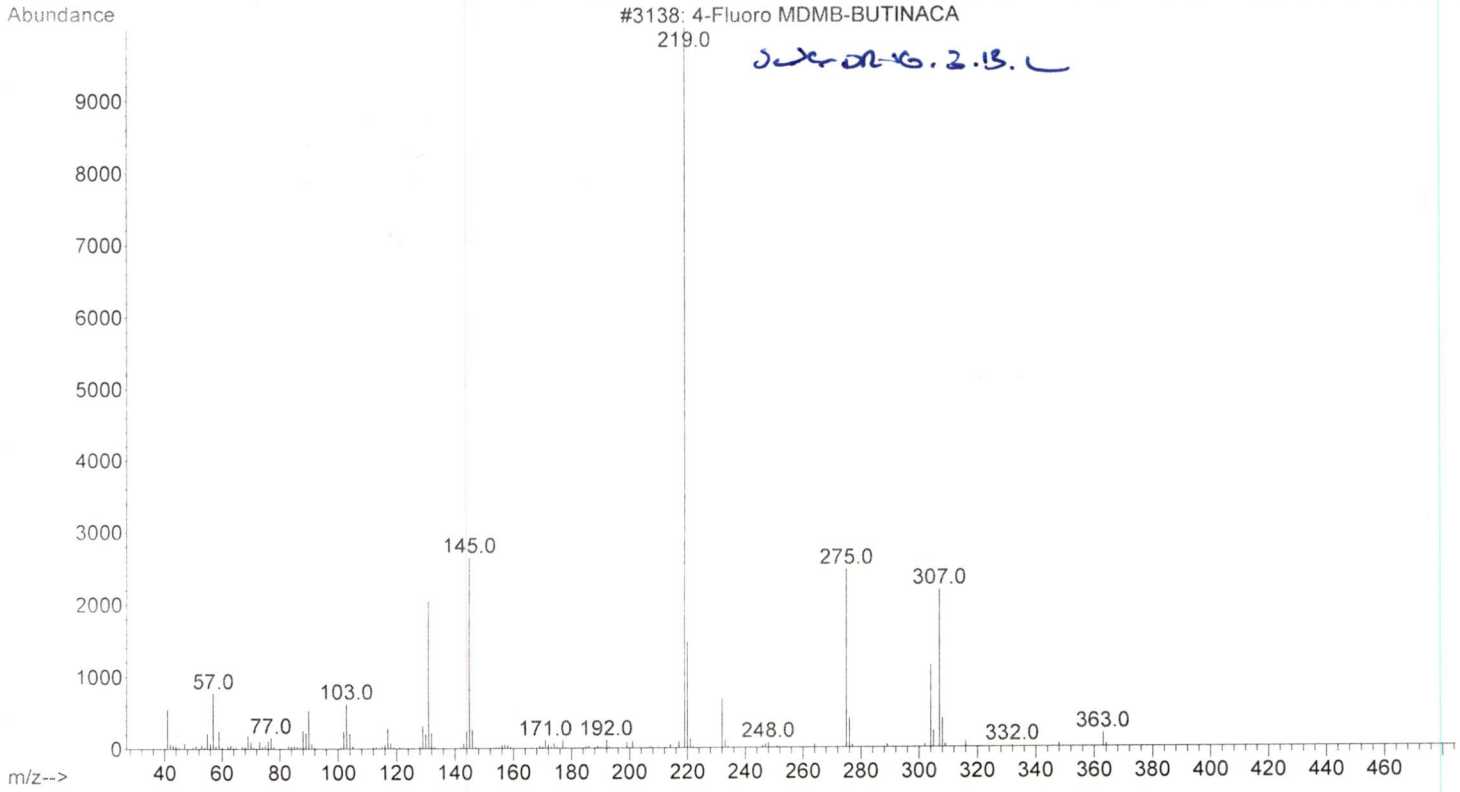


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-004.D
Acquired : 07 May 2024 11:24 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: 4-fluoro-MDMB BUTINACA (R-22-031) 000001335
Misc Info : 000001335
Vial Number: 13

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-005.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 11:53
Sample : ADB-5Br INACA (S-22-067)
Misc :
ALS Vial : 14
ExpBcode : 000002252
ActBcode : 000002252

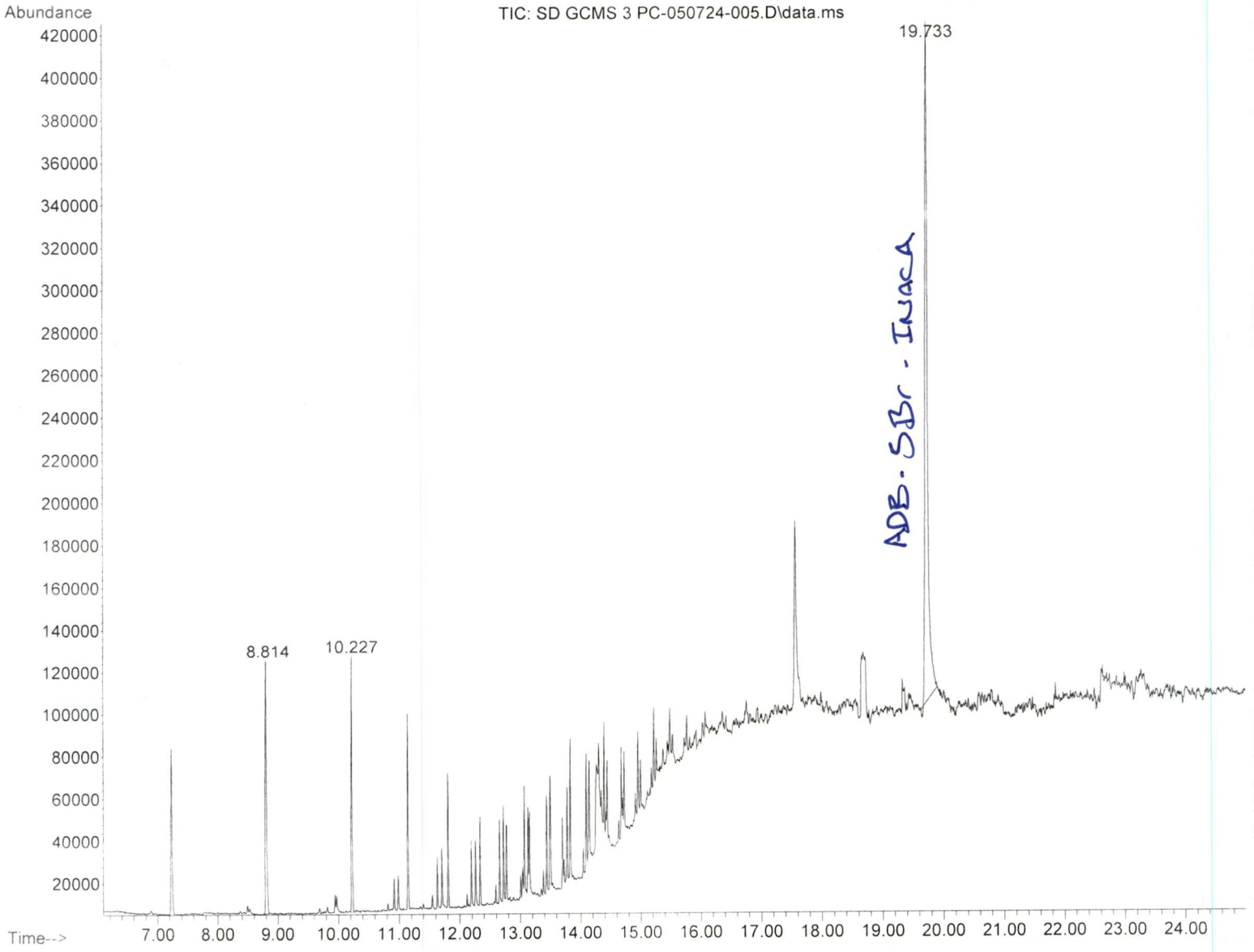
MAY 08 2024

Signal : TIC: SD GCMS 3 PC-050724-005.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.814	459	468	474	BB	120796	1850121	19.08%	14.467%
2	10.227	704	710	719	BB	112190	1242954	12.82%	9.719%
3	19.733	2321	2341	2370	BB 2	316519	9695372	100.00%	75.814%

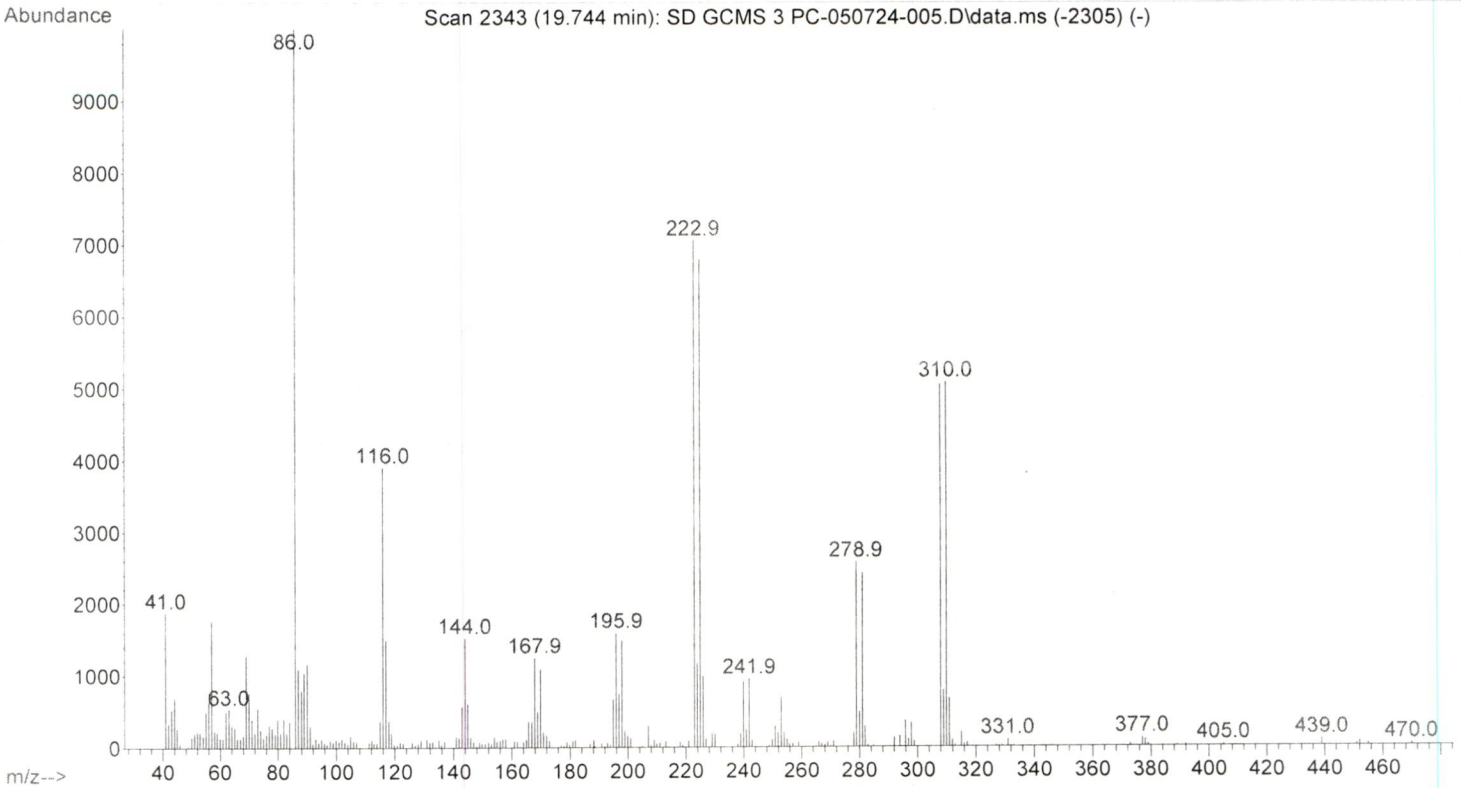
Sum of corrected areas: 12788447

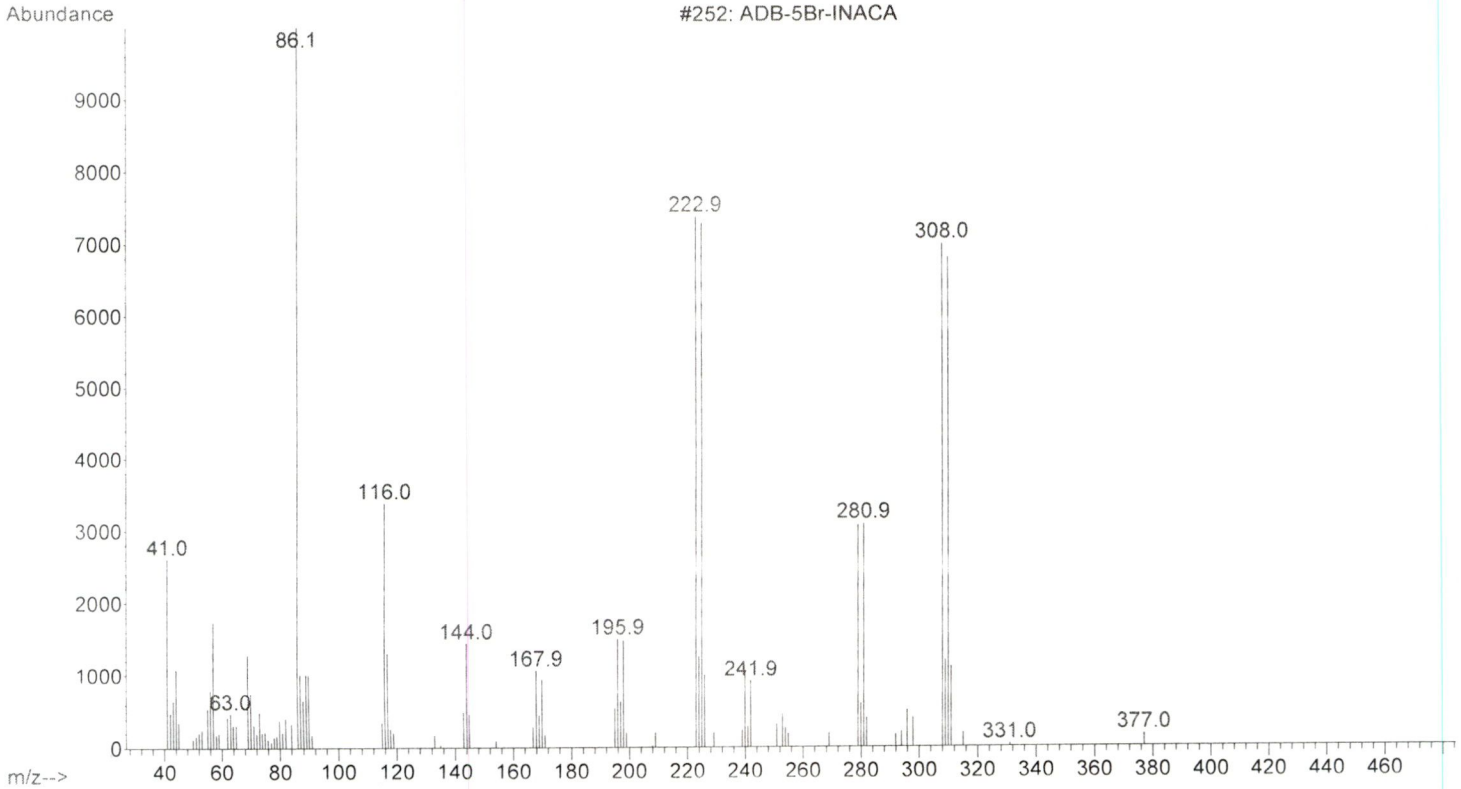
DrugTest35MS.M Tue May 07 12:18:21 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-005.D
Acquired : 07 May 2024 11:53 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: ADB-5Br INACA (S-22-067) 000002252
Misc Info : 000002252
Vial Number: 14

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-006.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 12:21
Sample : delta-8 THC (S-19-051) - EXPIRED STD
Misc :
ALS Vial : 15
ExpBcode : 000001620
ActBcode : 000001620

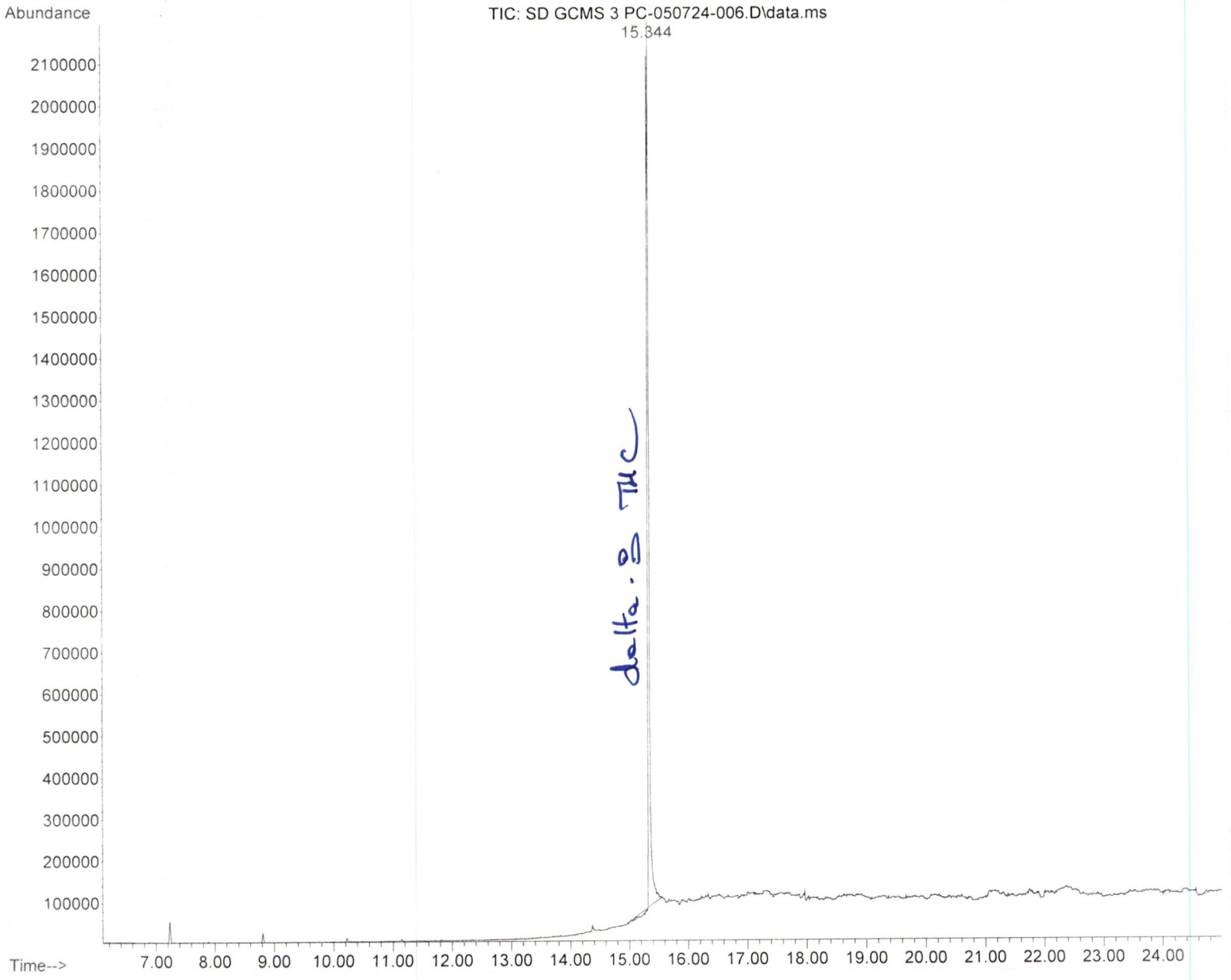
MAY 0 8 2024

Signal : TIC: SD GCMS 3 PC-050724-006.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	15.344	1519	1588	1623	BB 4	2099299	40217713	100.00%	100.000%

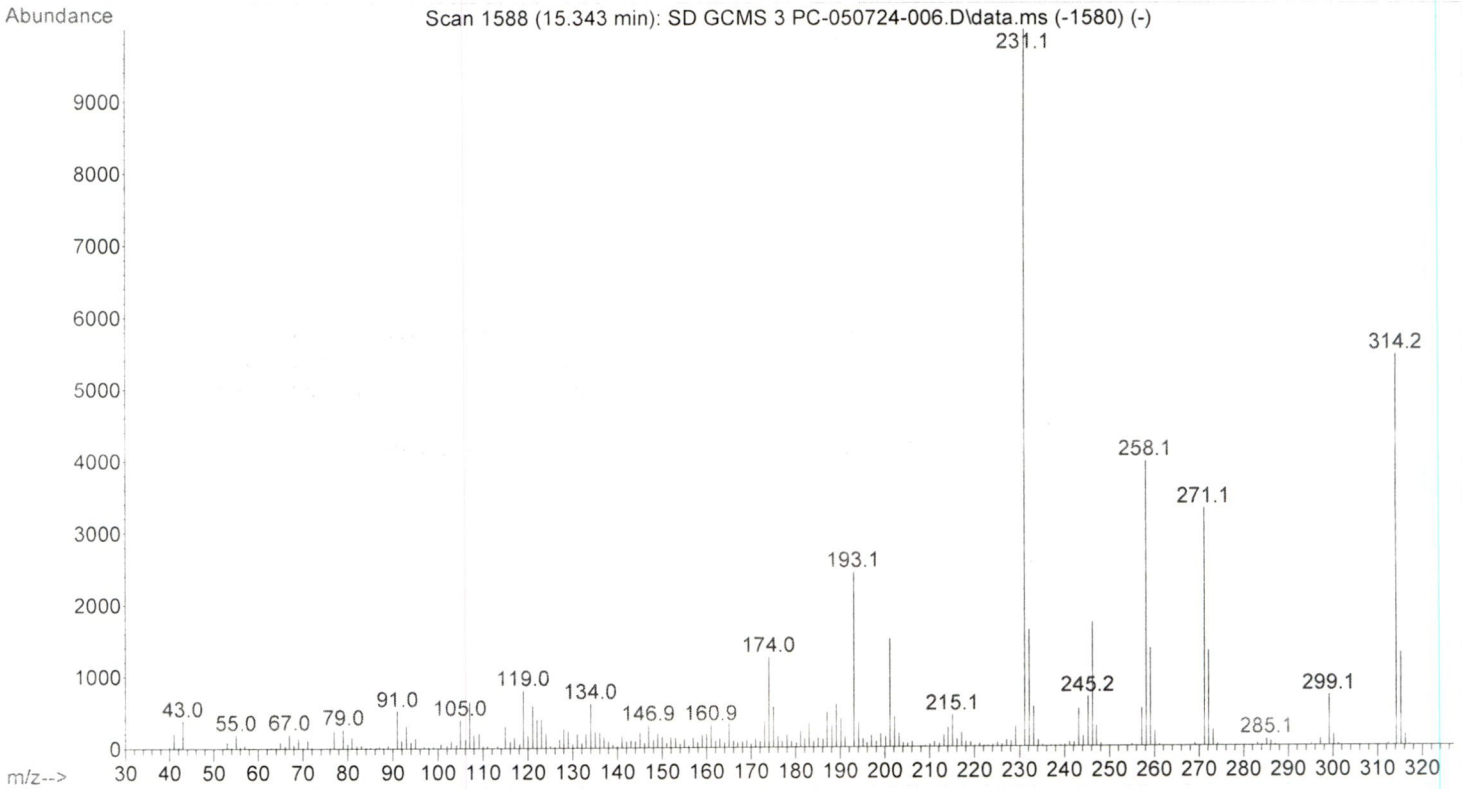
Sum of corrected areas: 40217713

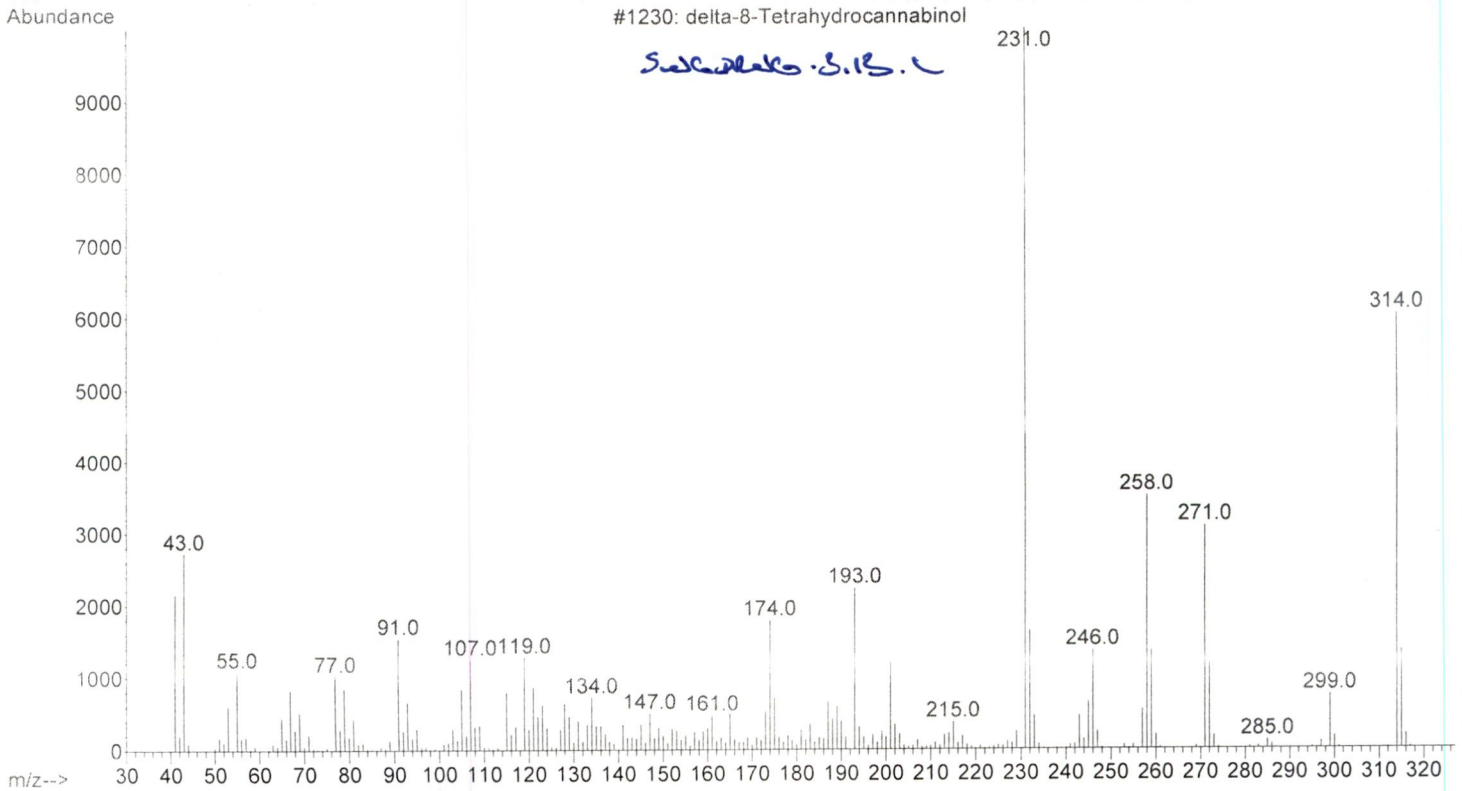
DrugTest35MS.M Tue May 07 12:47:14 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-006.D
Acquired : 07 May 2024 12:21 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: delta-8 THC (S-19-051) - EXPIRED STD 000001620
Misc Info : 000001620
Vial Number: 15

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK005.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 12:50
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

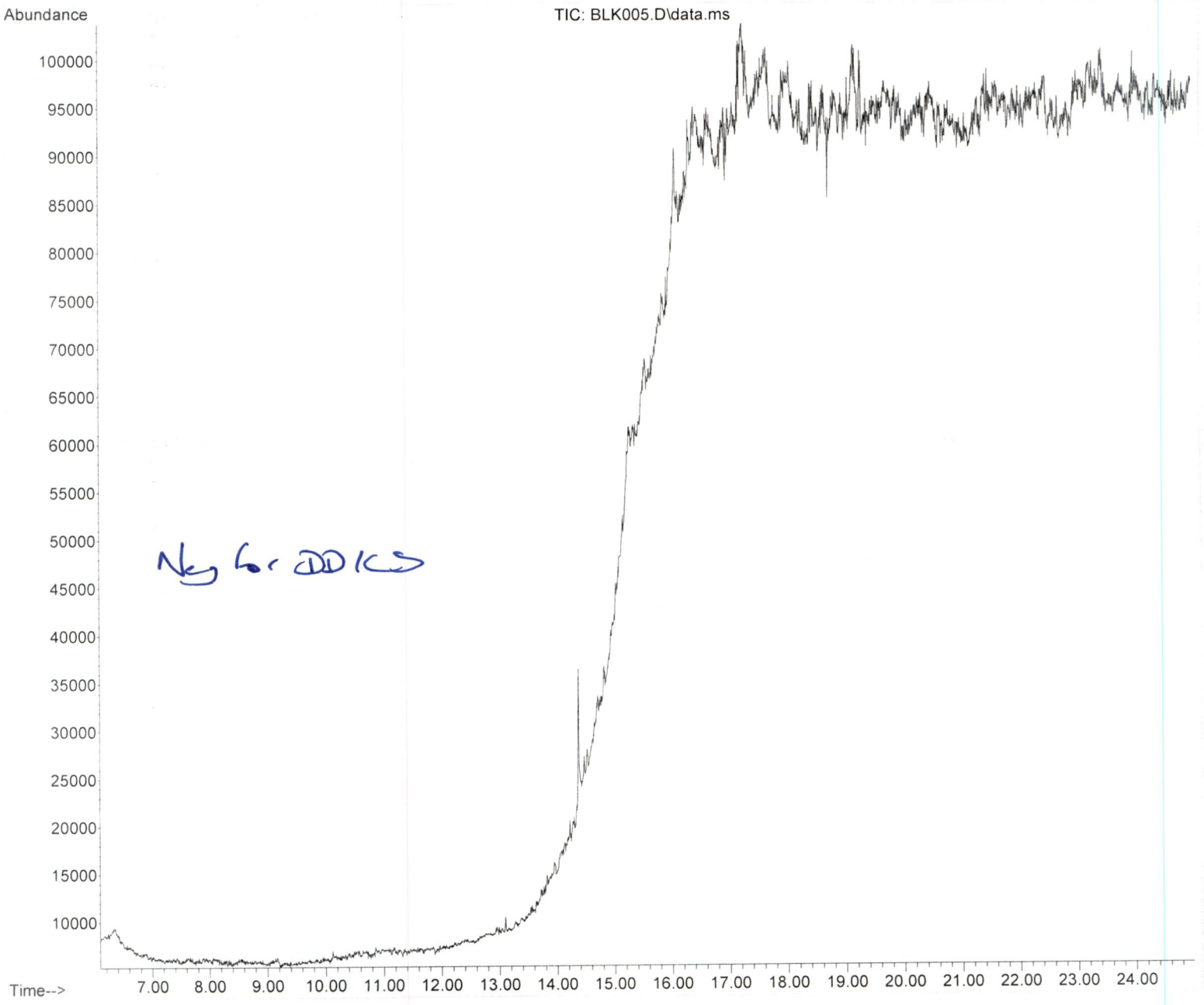
MAY 0 8 2024

Signal : TIC: BLK005.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 Tue May 07 13:15:59 2024 DRUGS



Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-007.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 13:19
Sample : Flunitrazepam (R-21-028)
Misc :
ALS Vial : 16
ExpBcode : 000001171
ActBcode : 000001171

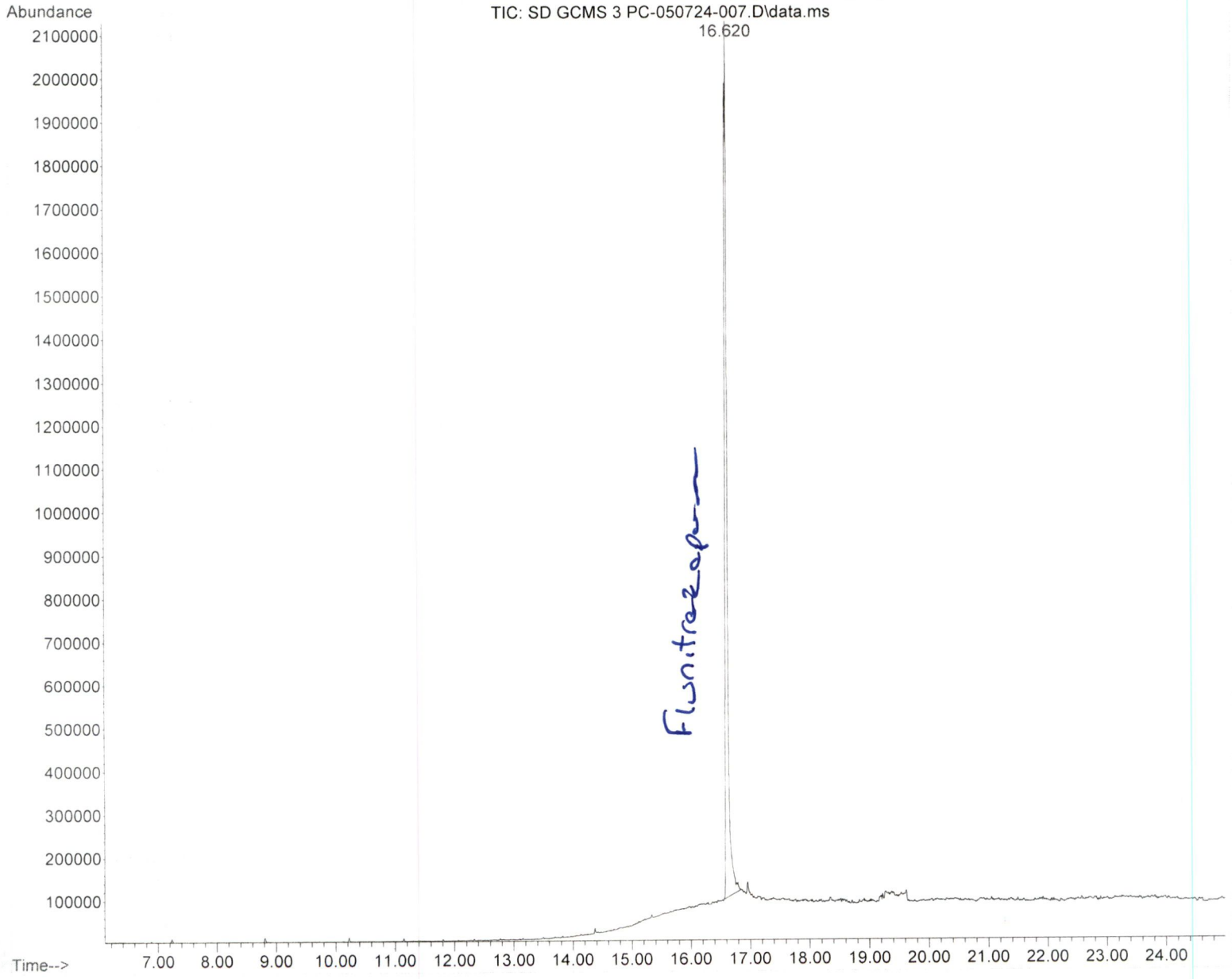
Signal : TIC: SD GCMS 3 PC-050724-007.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	16.620	1791	1807	1846	BB 3	2020022	54452624	100.00%	100.000%

MAY 08 2024

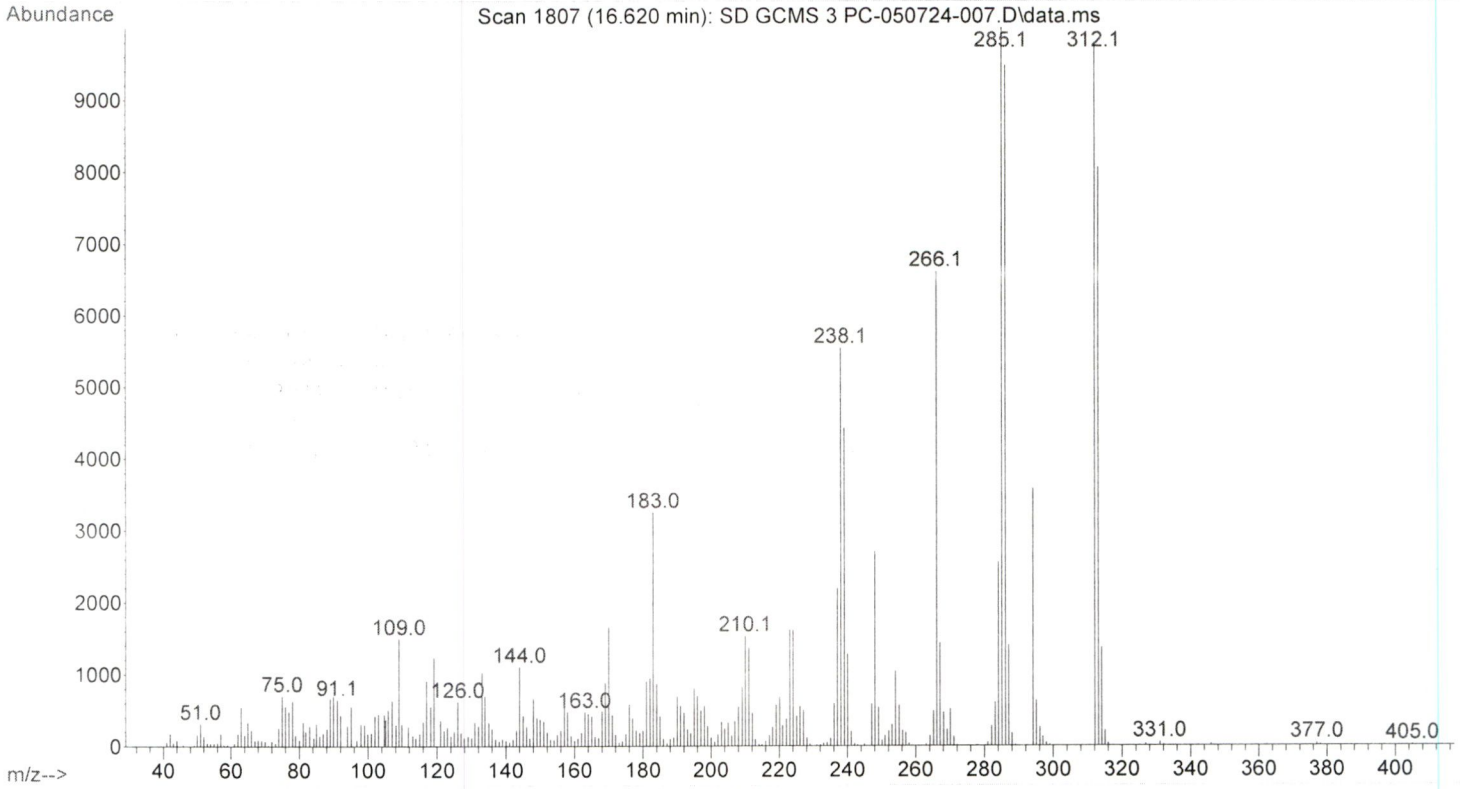
Sum of corrected areas: 54452624

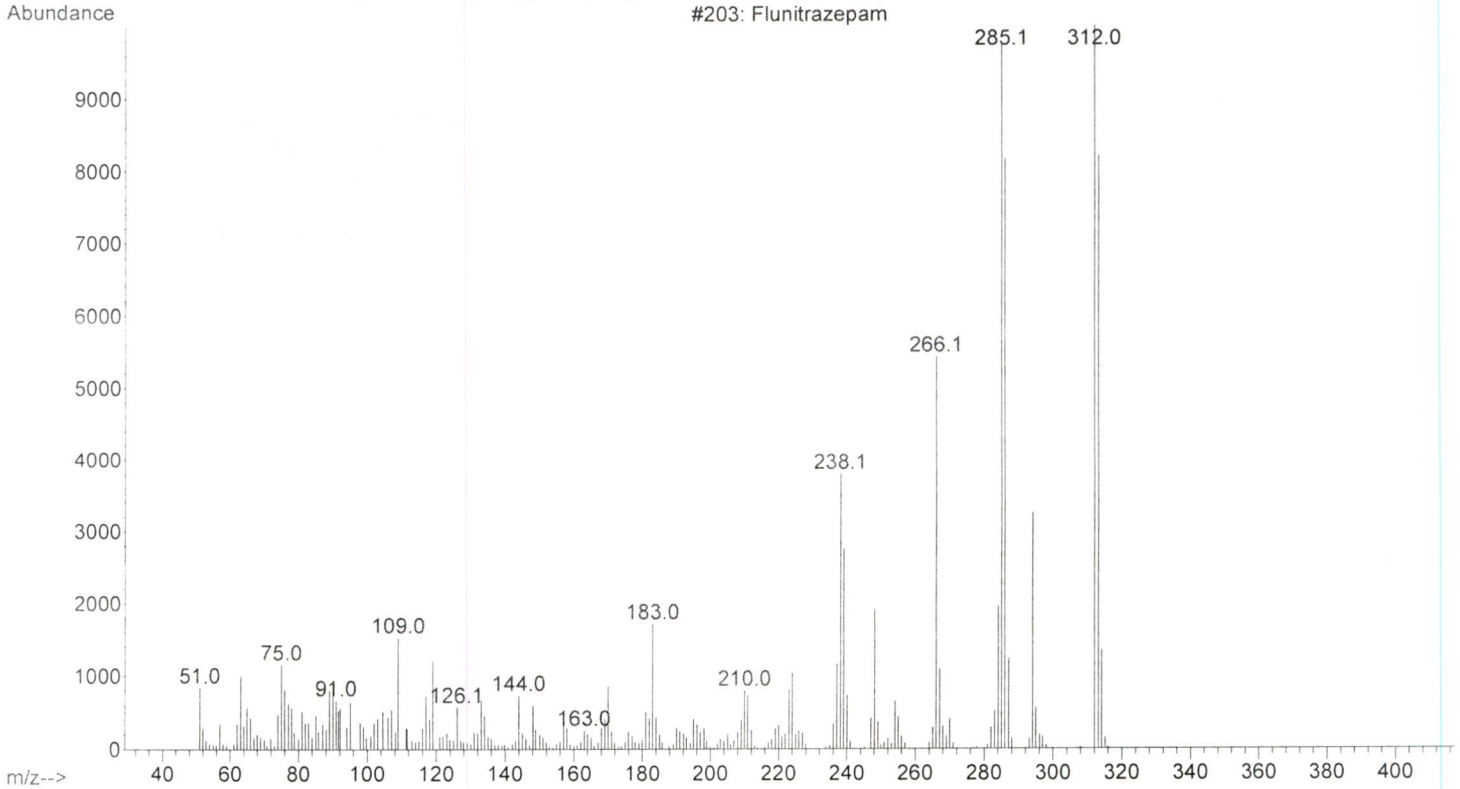
DrugTest35MS.M Tue May 07 13:44:41 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-007.D
Acquired : 07 May 2024 13:19 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Flunitrazepam (R-21-028) 000001171
Misc Info : 000001171
Vial Number: 16

MAY 08 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-008.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 13:48
Sample : Butalbital (R-21-012)
Misc :
ALS Vial : 17
ExpBcode : 000002404
ActBcode : 000002404

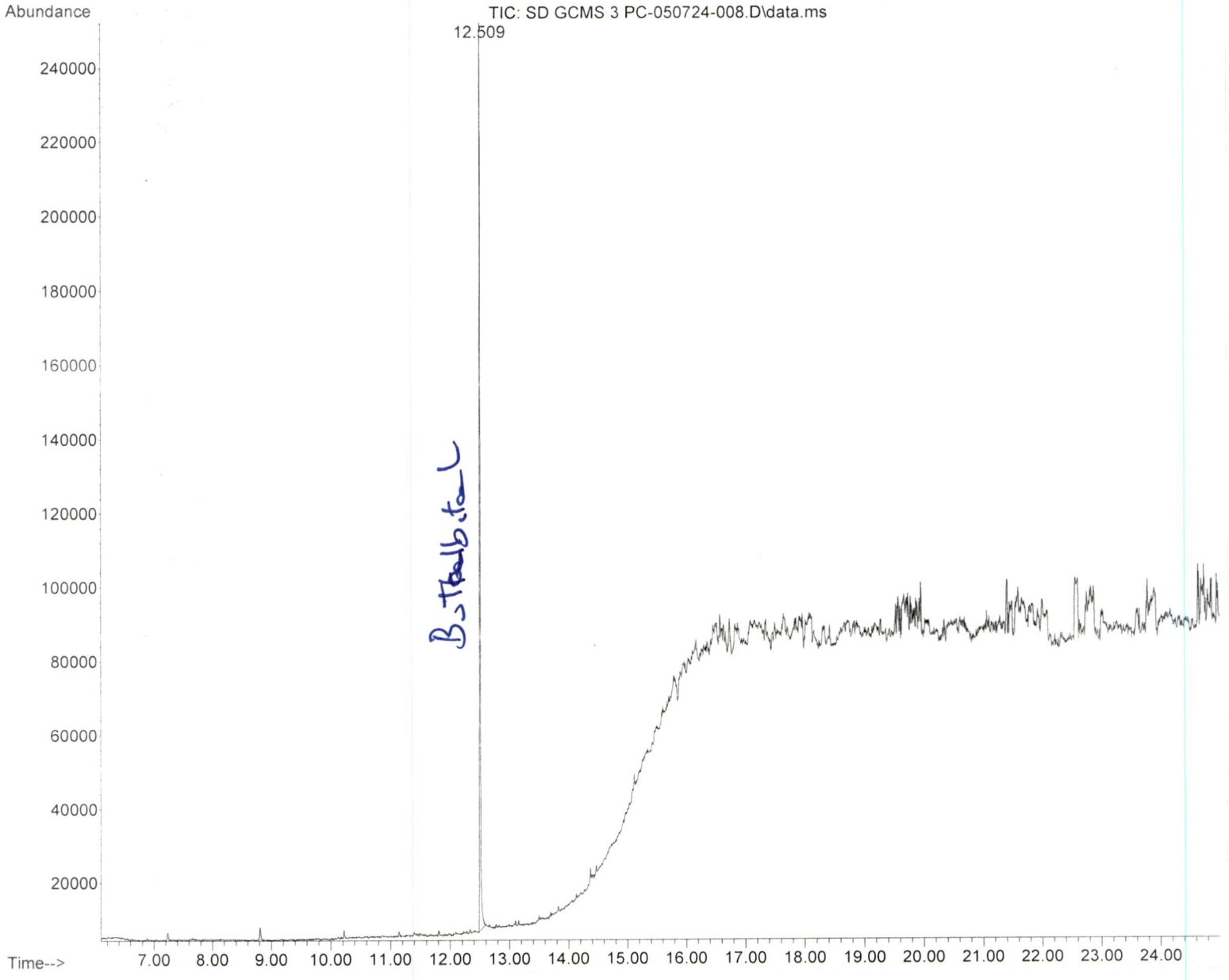
Signal : TIC: SD GCMS 3 PC-050724-008.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	12.509	1096	1102	1116	BB	232945	2354672	100.00%	100.000%

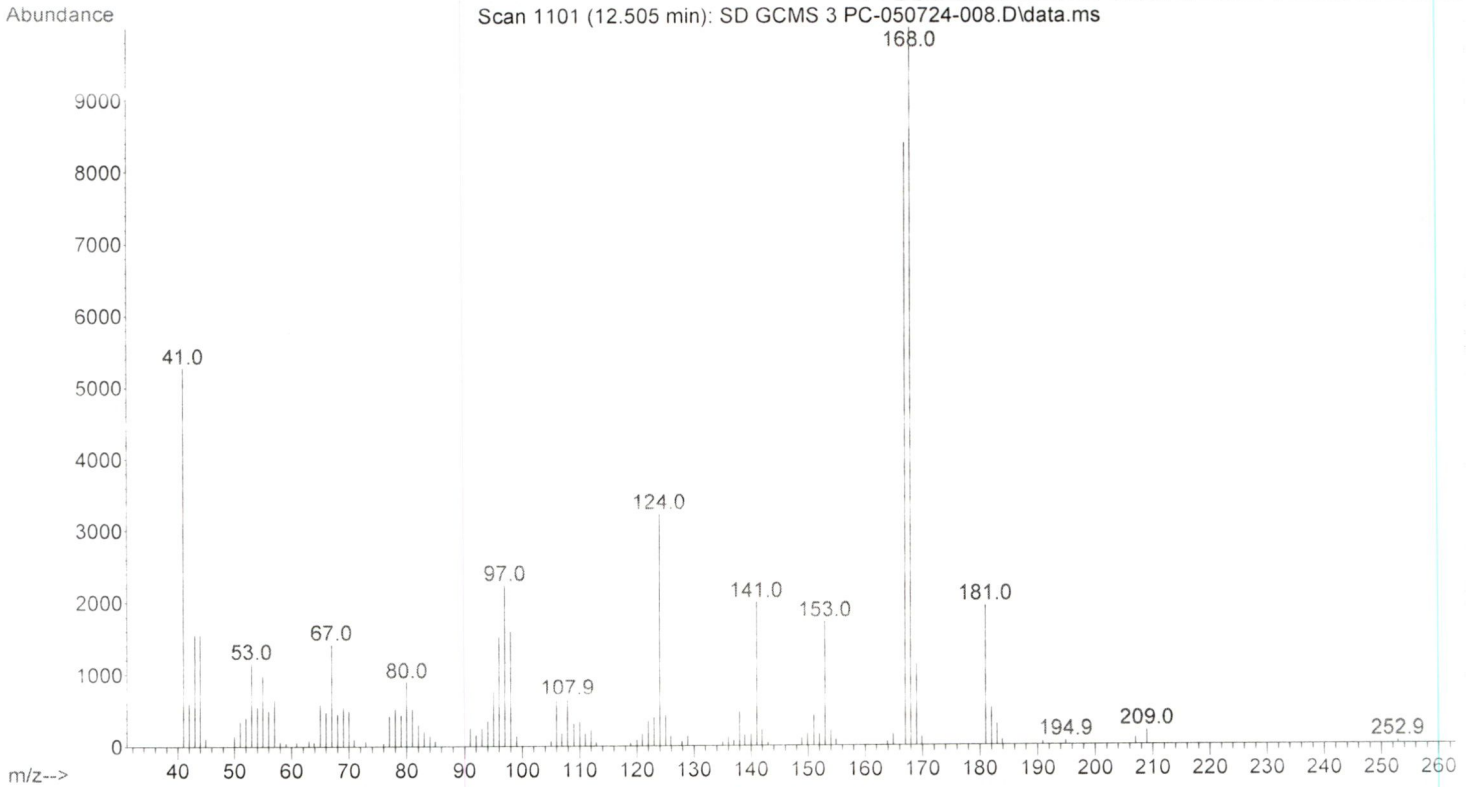
Sum of corrected areas: 2354672

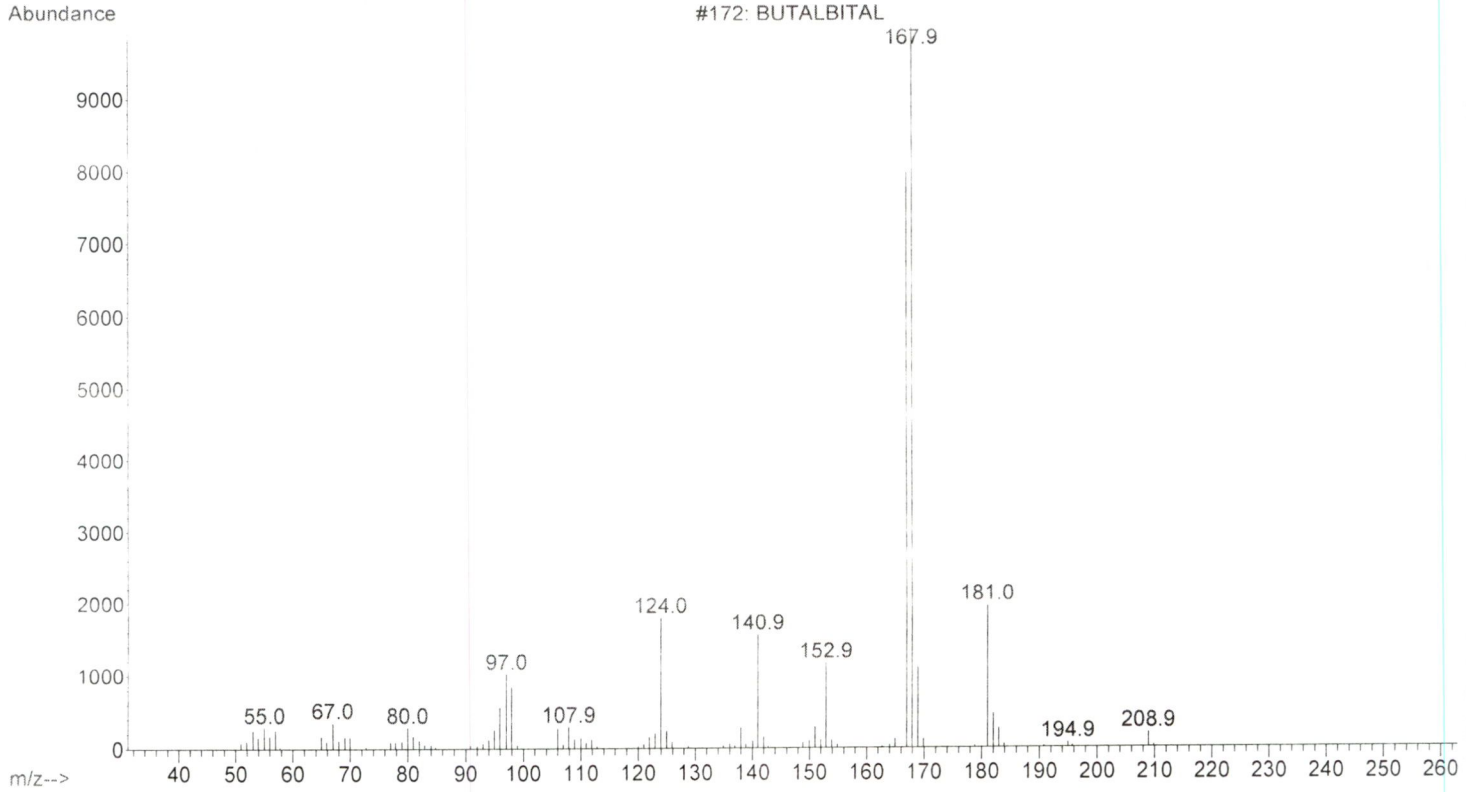
DrugTest35MS.M Tue May 07 14:13:33 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-008.D
Acquired : 07 May 2024 13:48 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Butalbital (R-21-012) 000002404
Misc Info : 000002404
Vial Number: 17

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

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Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-009.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 14:17
Sample : Clonazolam (S-21-010)
Misc :
ALS Vial : 18
ExpBcode : 000002880
ActBcode : 000002880

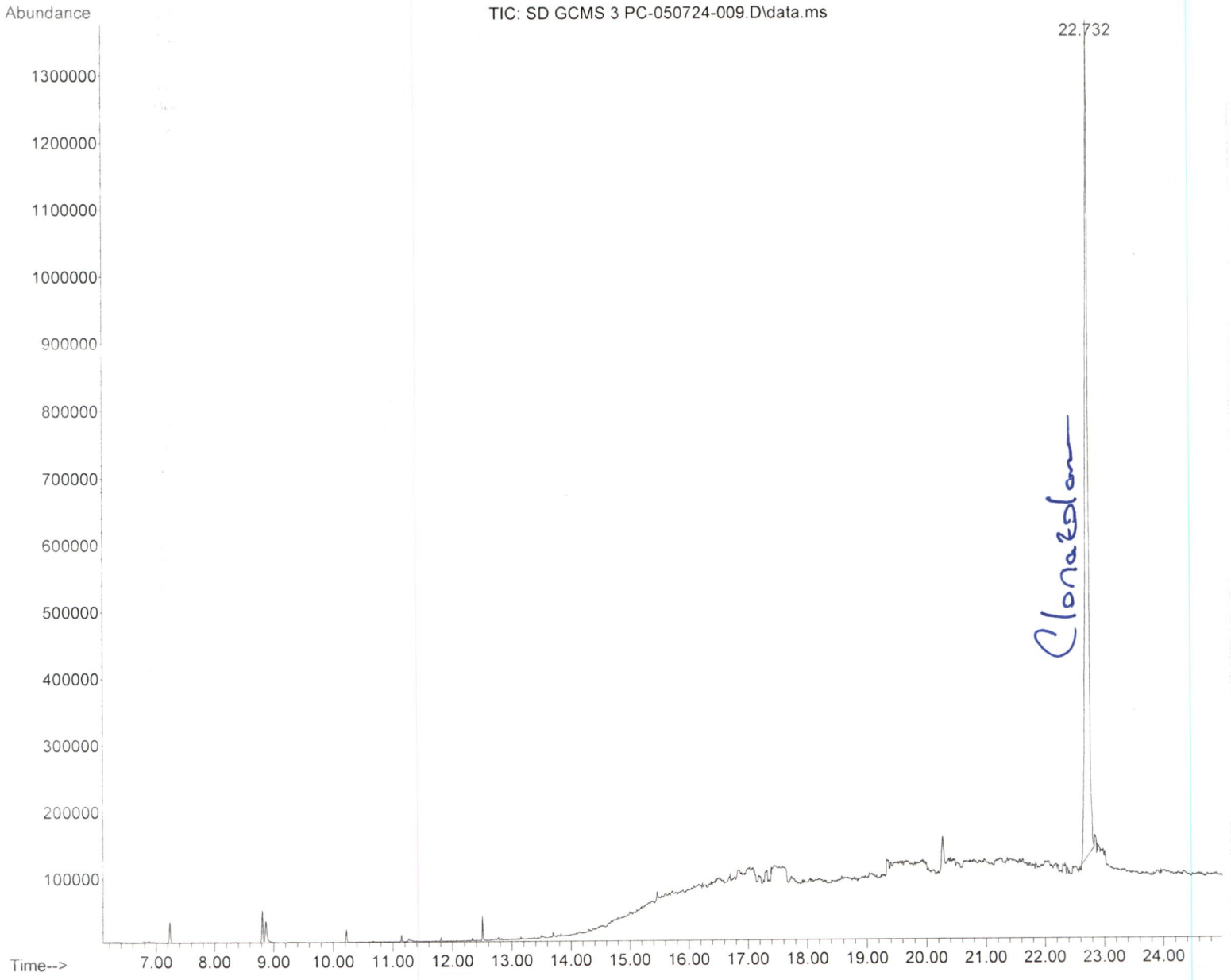
Signal : TIC: SD GCMS 3 PC-050724-009.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	22.732	2826	2856	2873	BV	1240739	46117963	100.00%	100.000%

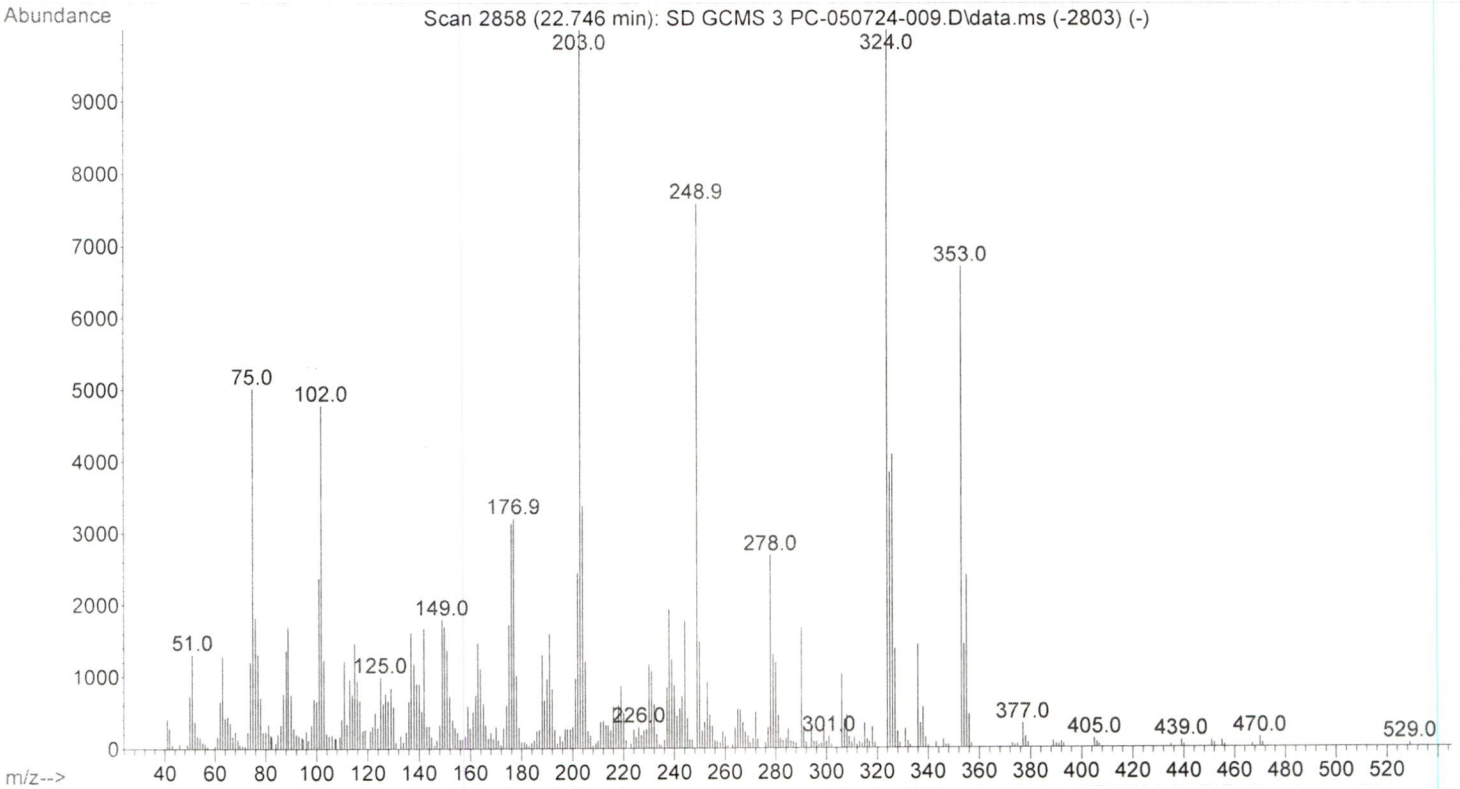
Sum of corrected areas: 46117963

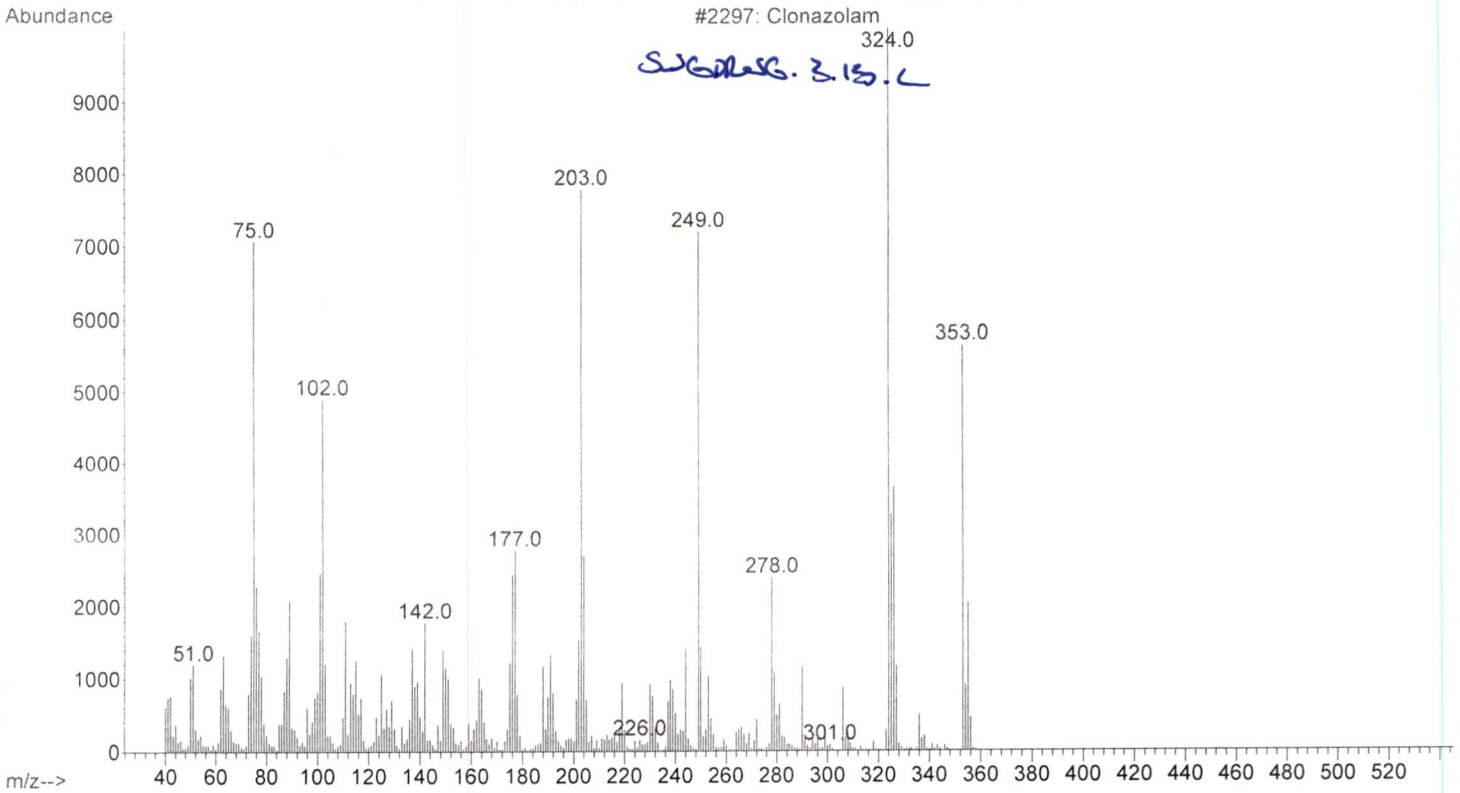
DrugTest35MS.M Tue May 07 14:42:19 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-009.D
Acquired : 07 May 2024 14:17 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Clonazolam (S-21-010) 000002880
Misc Info : 000002880
Vial Number: 18

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-010.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 14:45
Sample : 4' chloro-Deschloroalprazolam (R-22-055)
Misc :
ALS Vial : 19
ExpBcode : 000002798
ActBcode : 000002798

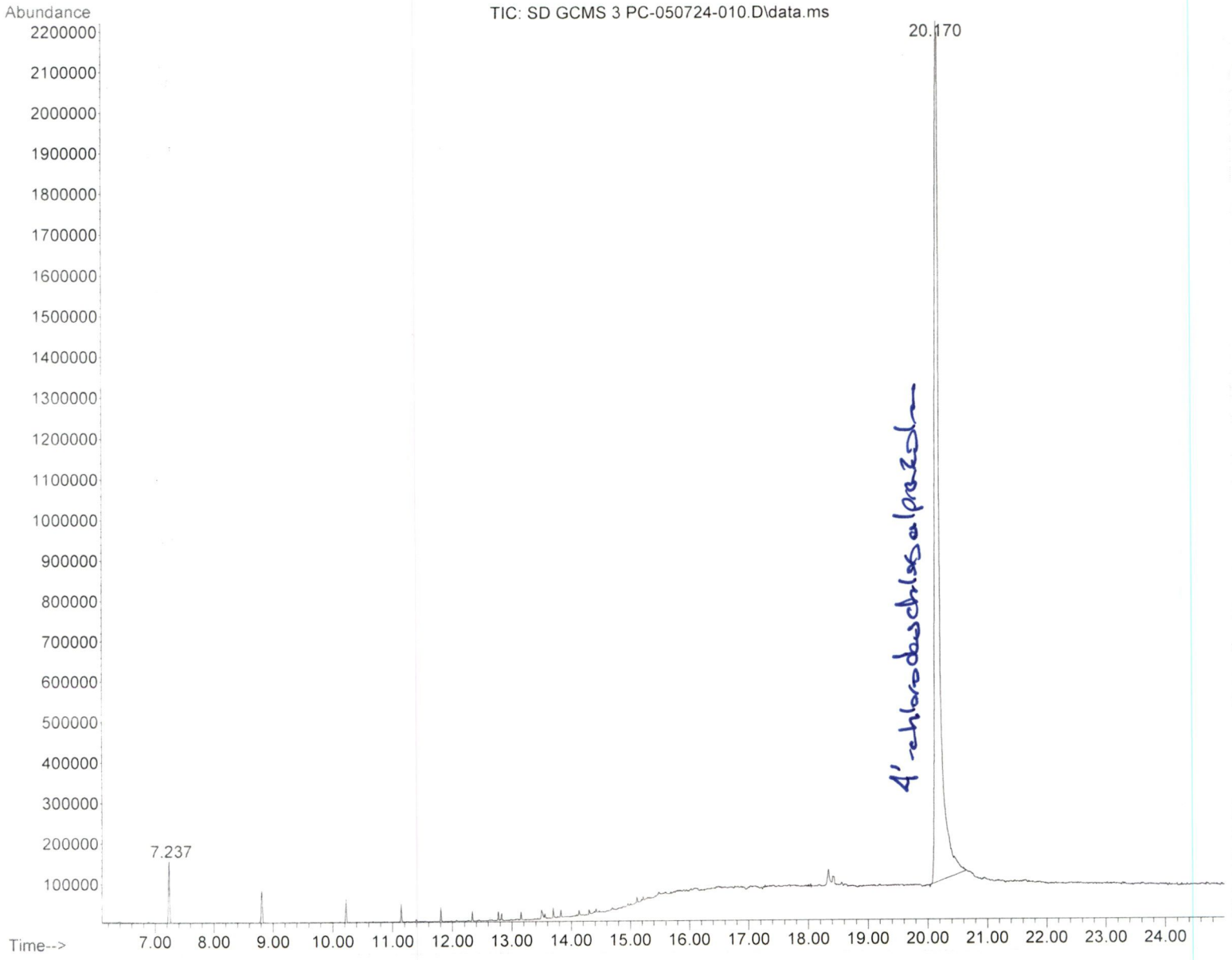
MAY 0 8 2024

Signal : TIC: SD GCMS 3 PC-050724-010.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.237	188	197	210	BB	149335	2187017	1.88%	1.849%
2	20.170	2389	2416	2496	BB 4	2112954	116118075	100.00%	98.151%

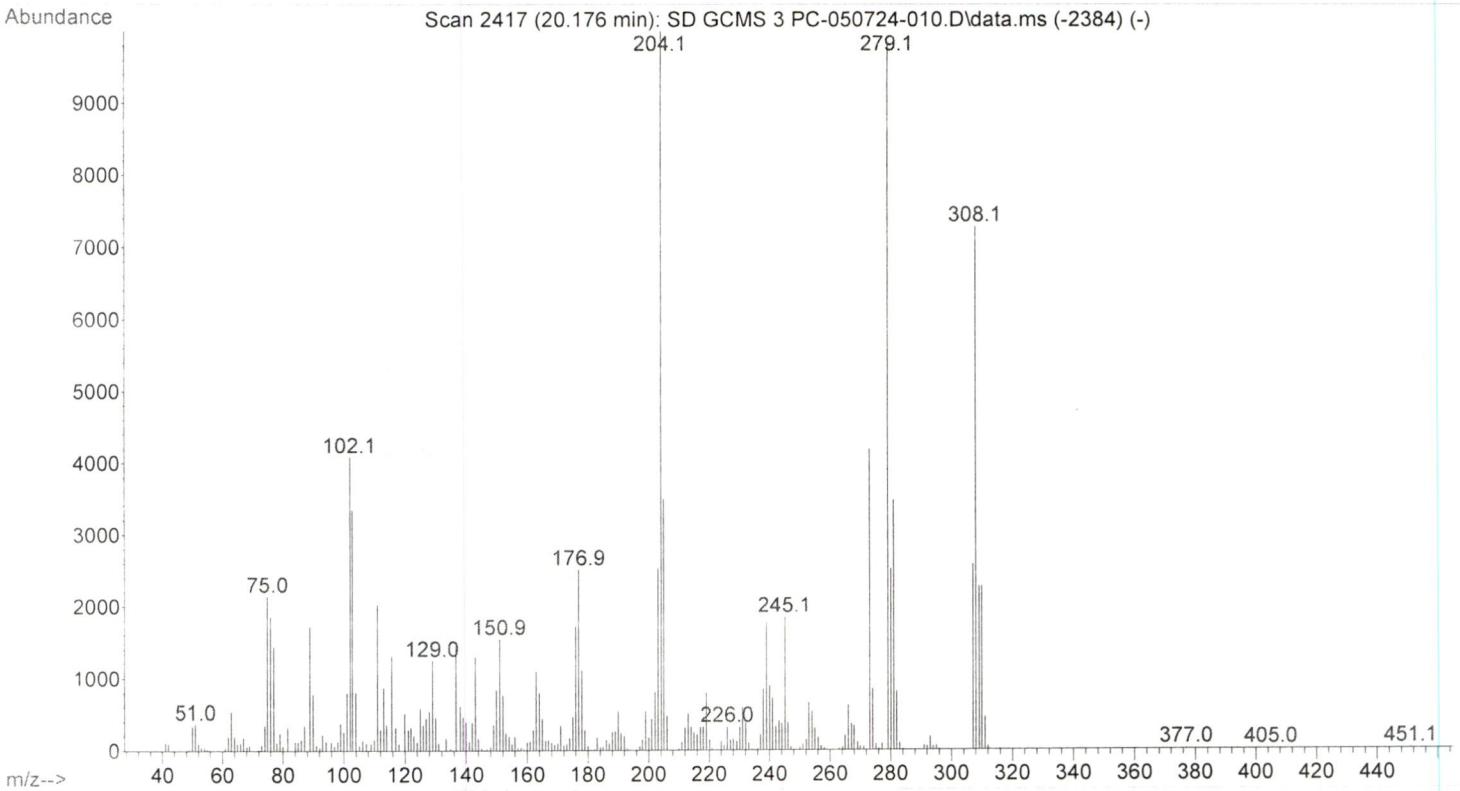
Sum of corrected areas: 118305092

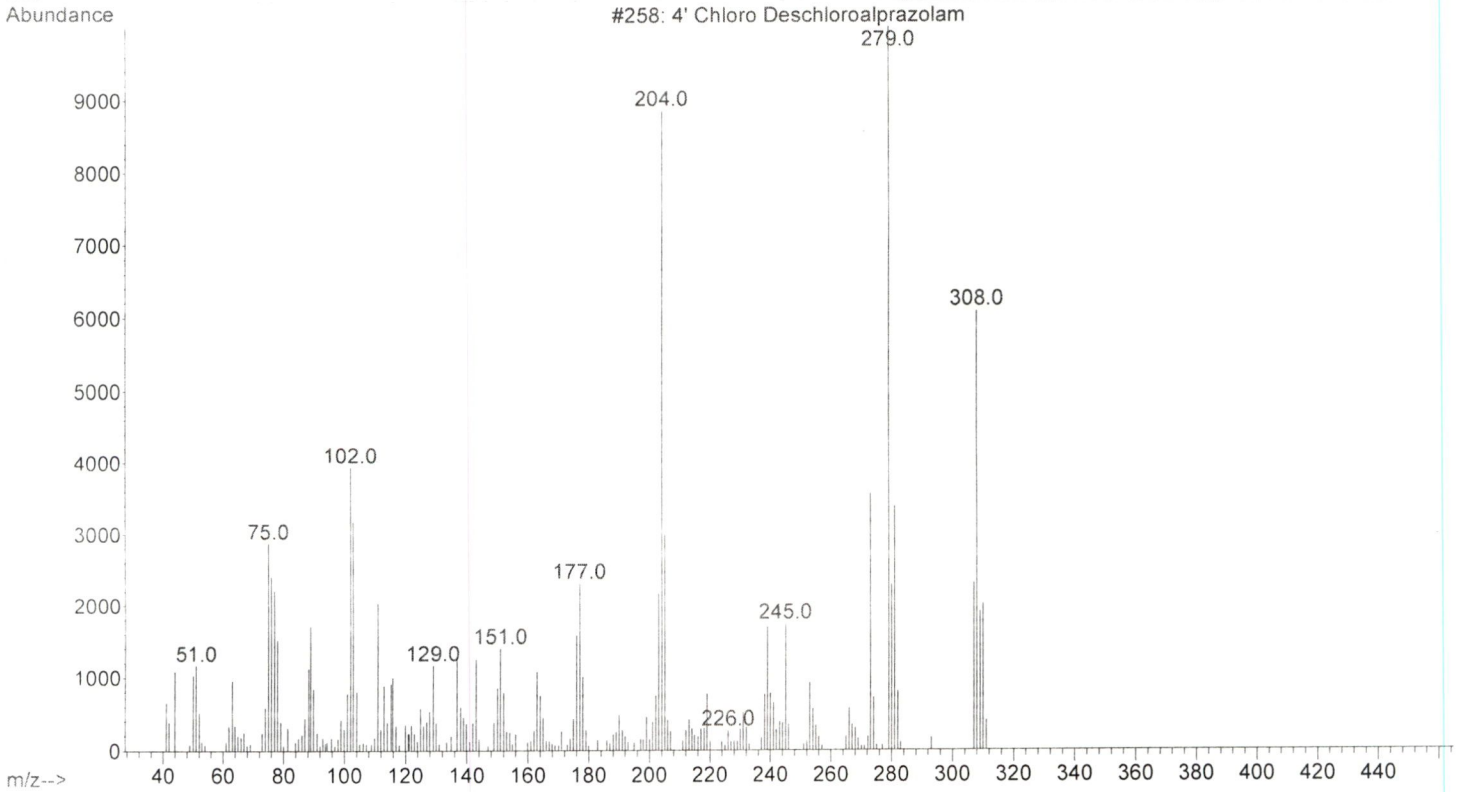
DrugTest35MS.M Tue May 07 15:11:12 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-010.D
Acquired : 07 May 2024 14:45 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: 4' chloro-Deschloroalprazolam (R-22-055) 000002798
Misc Info : 000002798
Vial Number: 19

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-011.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 15:14
Sample : Promethazine (S-21-020) - EXPIRED STD
Misc :
ALS Vial : 20
ExpBcode : 000001158
ActBcode : 000001158

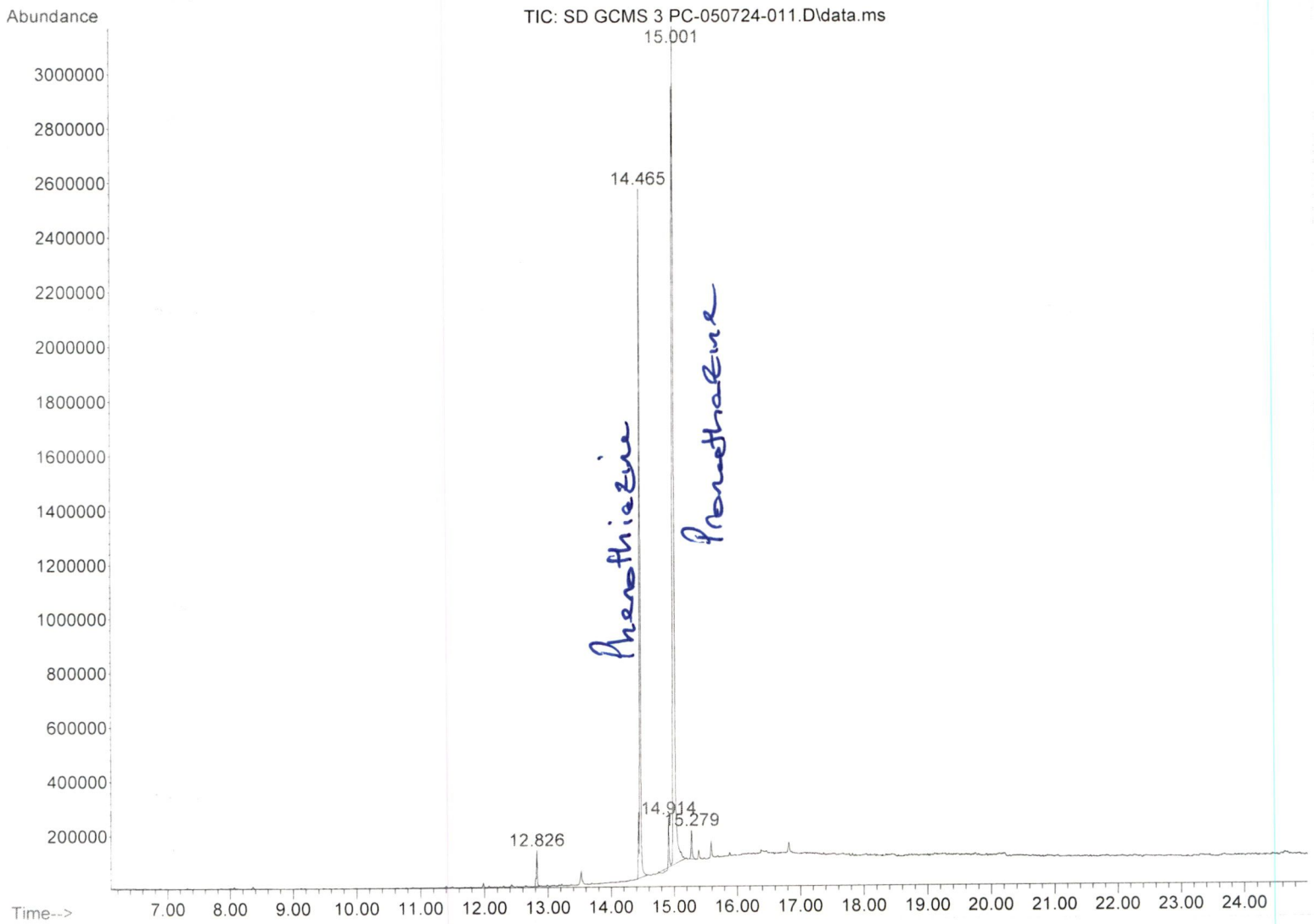
MAY 08 2024

Signal : TIC: SD GCMS 3 PC-050724-011.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	12.826	1148	1156	1163	BB	118961	1363020	2.28%	1.458%
2	14.465	1421	1437	1455	BB	2443632	30174005	50.56%	32.268%
3	14.914	1476	1514	1520	BV	168017	941389	1.58%	1.007%
4	15.001	1520	1529	1560	VB	2696842	59681017	100.00%	63.823%
5	15.279	1564	1577	1590	BB 3	106455	1350959	2.26%	1.445%

Sum of corrected areas: 93510390

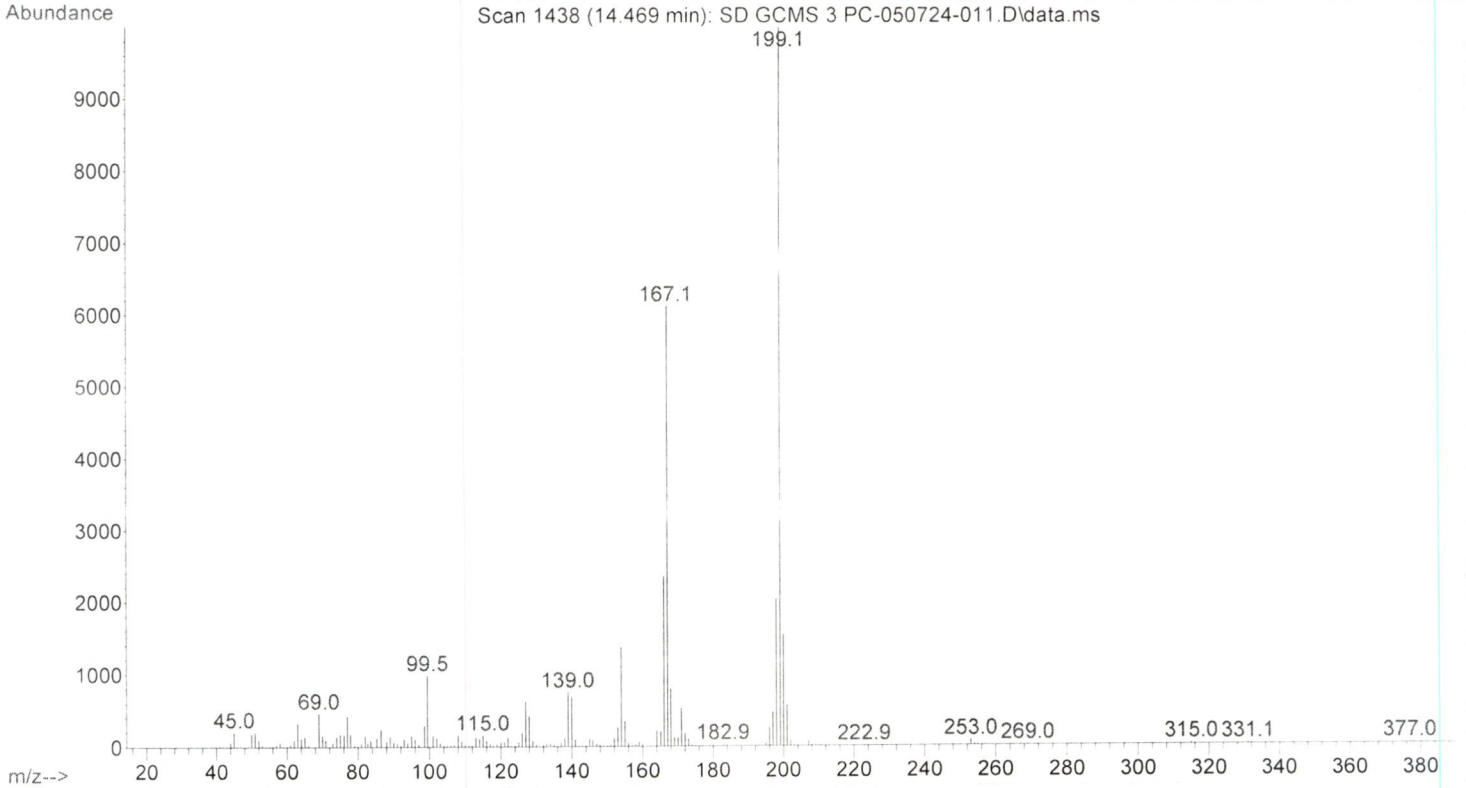
DrugTest35MS.M Tue May 07 15:40:00 2024 DRUGS

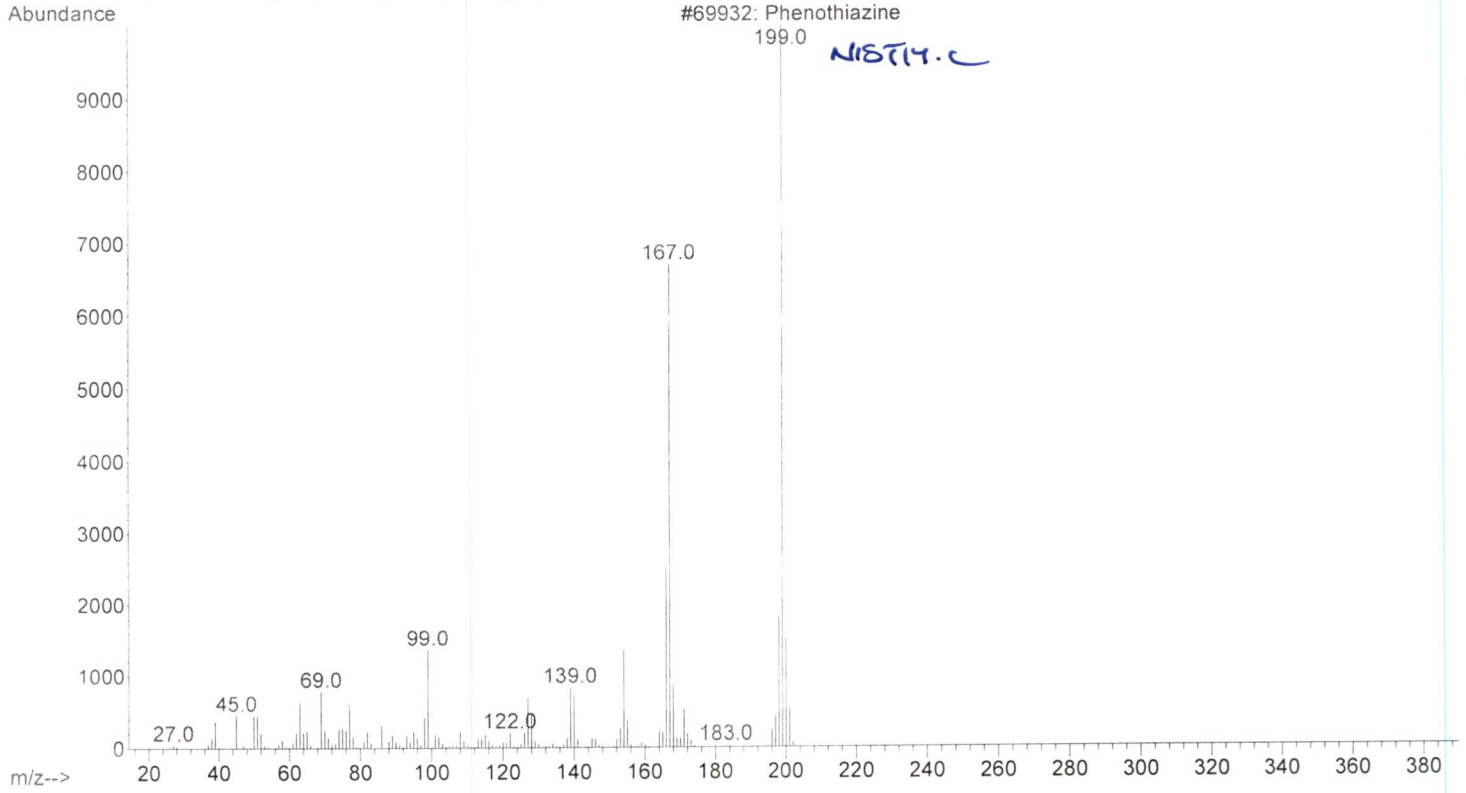


25

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-011.D
Acquired : 07 May 2024 15:14 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Promethazine (S-21-020) - EXPIRED STD 000001158
Misc Info : 000001158
Vial Number: 20

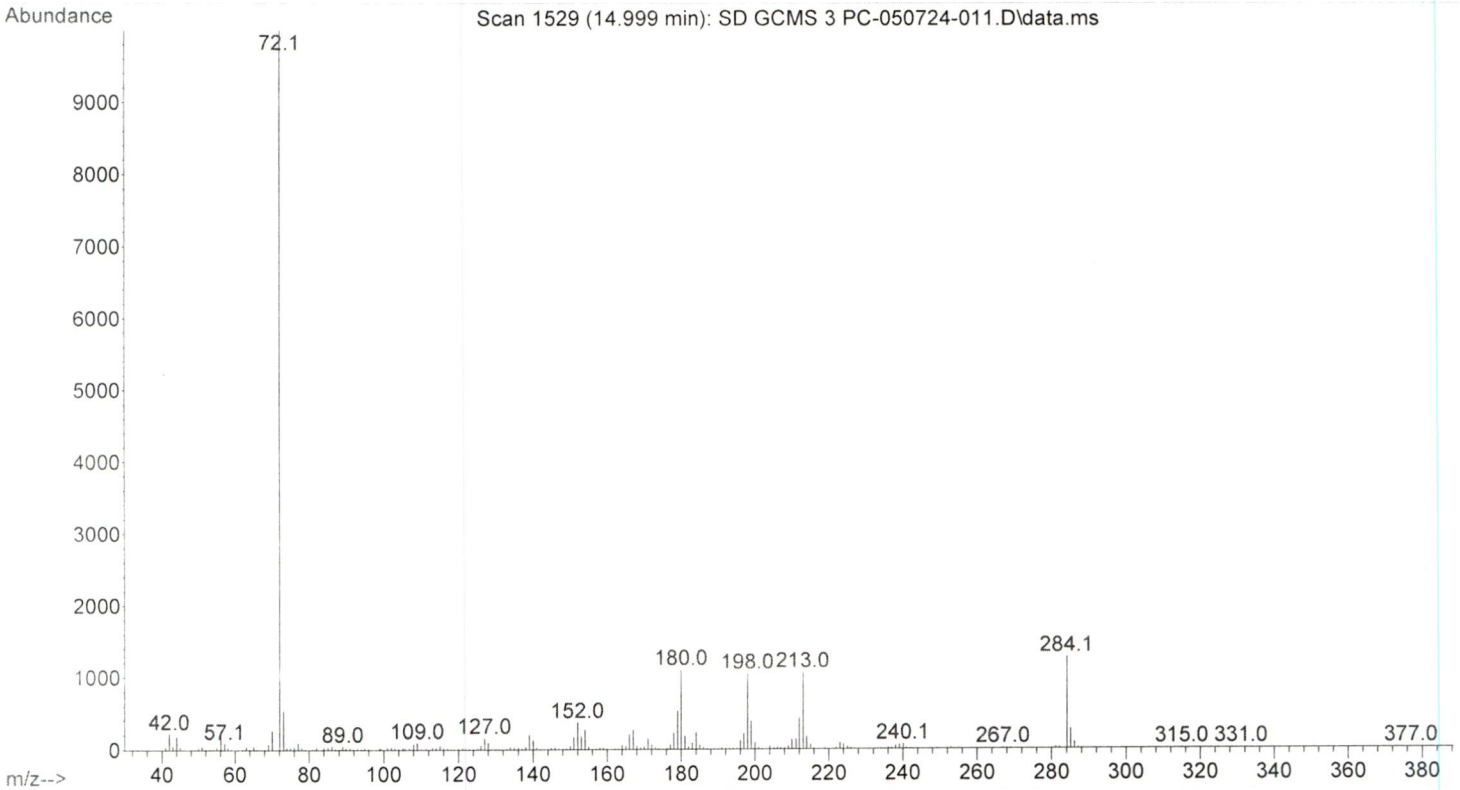
MAY 0 8 2024

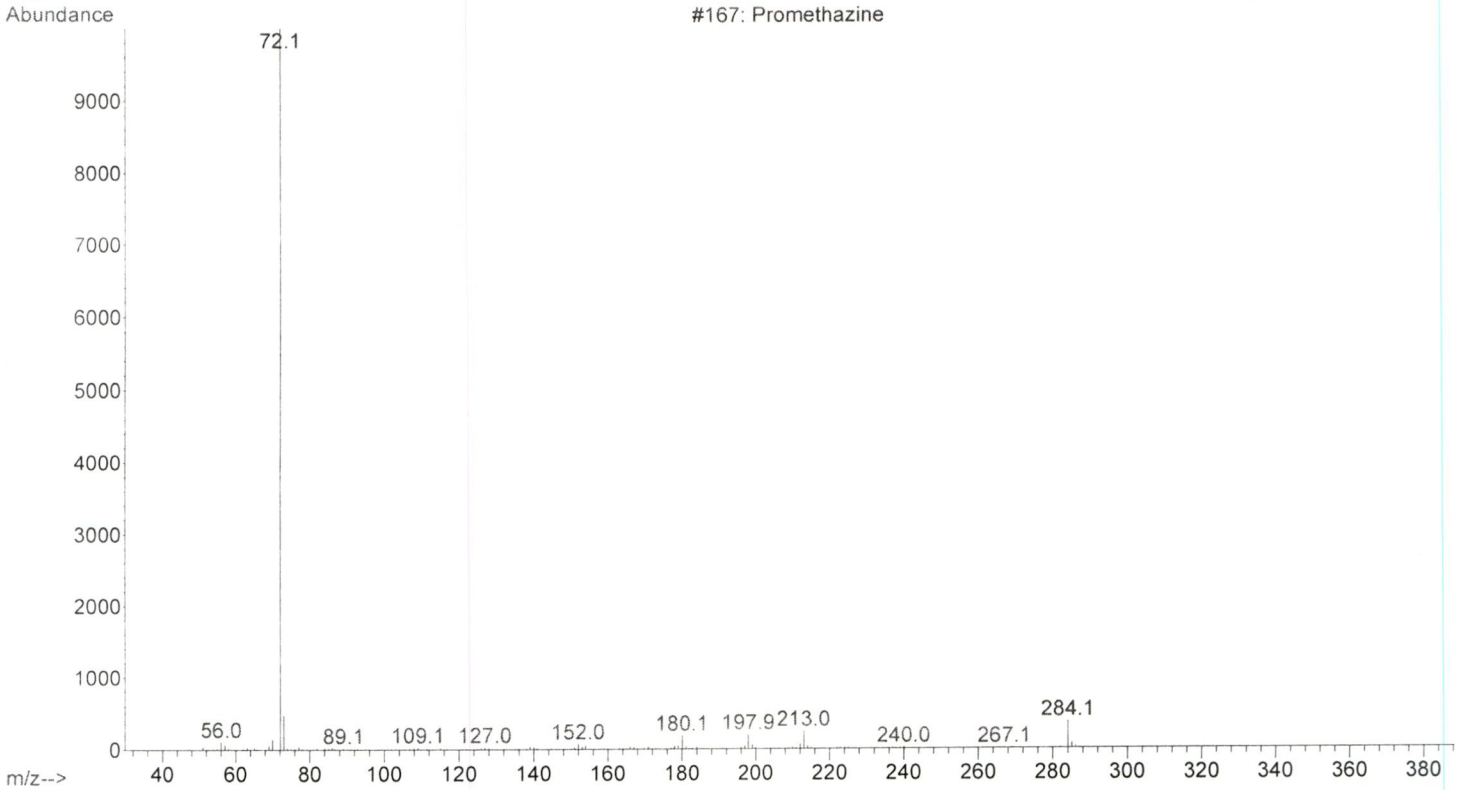




File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-011.D
Acquired : 07 May 2024 15:14 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Promethazine (S-21-020) - EXPIRED STD 000001158
Misc Info : 000001158
Vial Number: 20

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK006.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 15:43
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

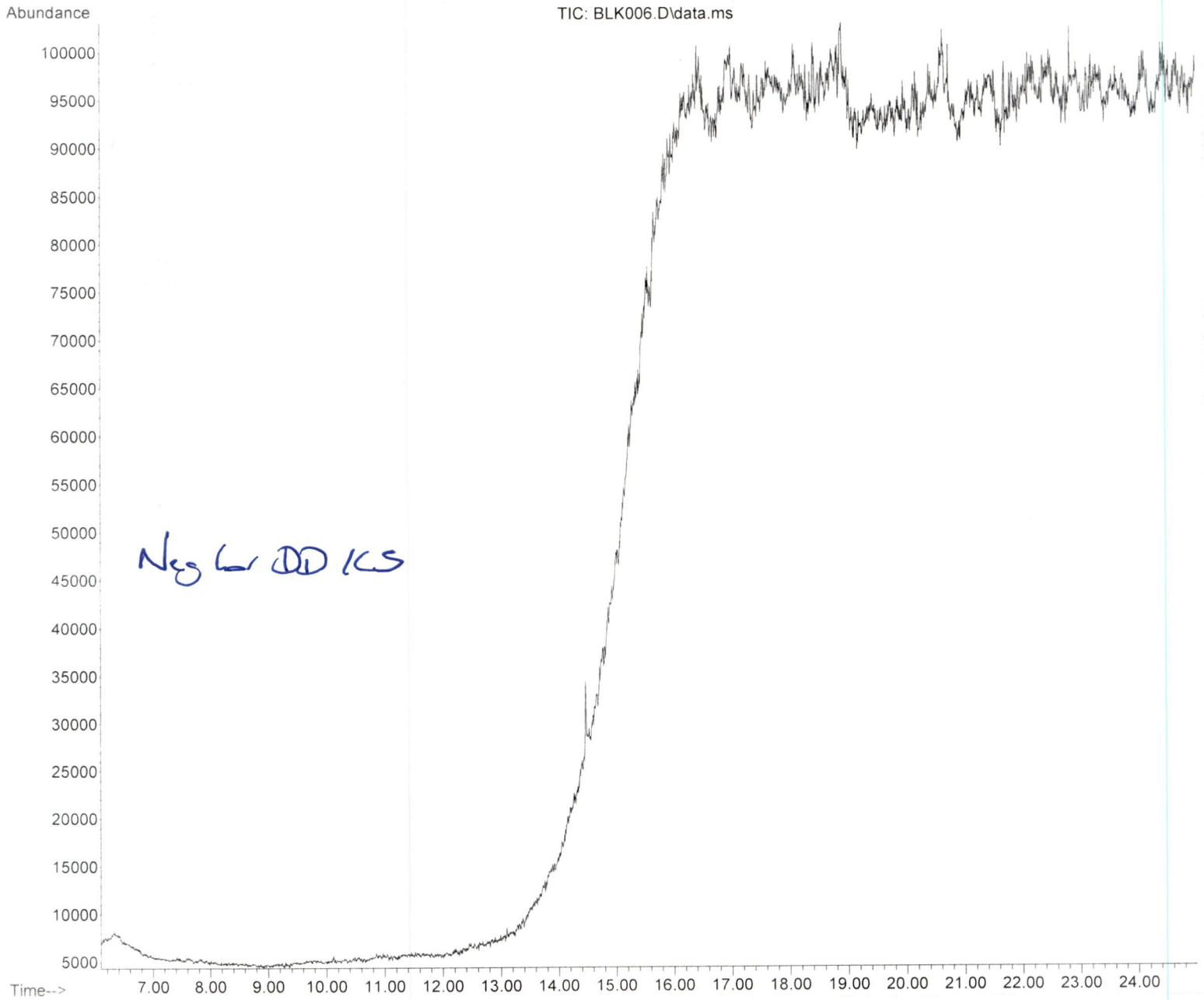
MAY 0 8 2024

Signal : TIC: BLK006.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 Tue May 07 16:08:46 2024 DRUGS



Neg for DD ICS

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-012.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 16:12
Sample : Phencyclidine (PCP) ~~(S-24-003)~~ R.24.003
Misc :
ALS Vial : 21
ExpBcode : 000005994
ActBcode : 000005994

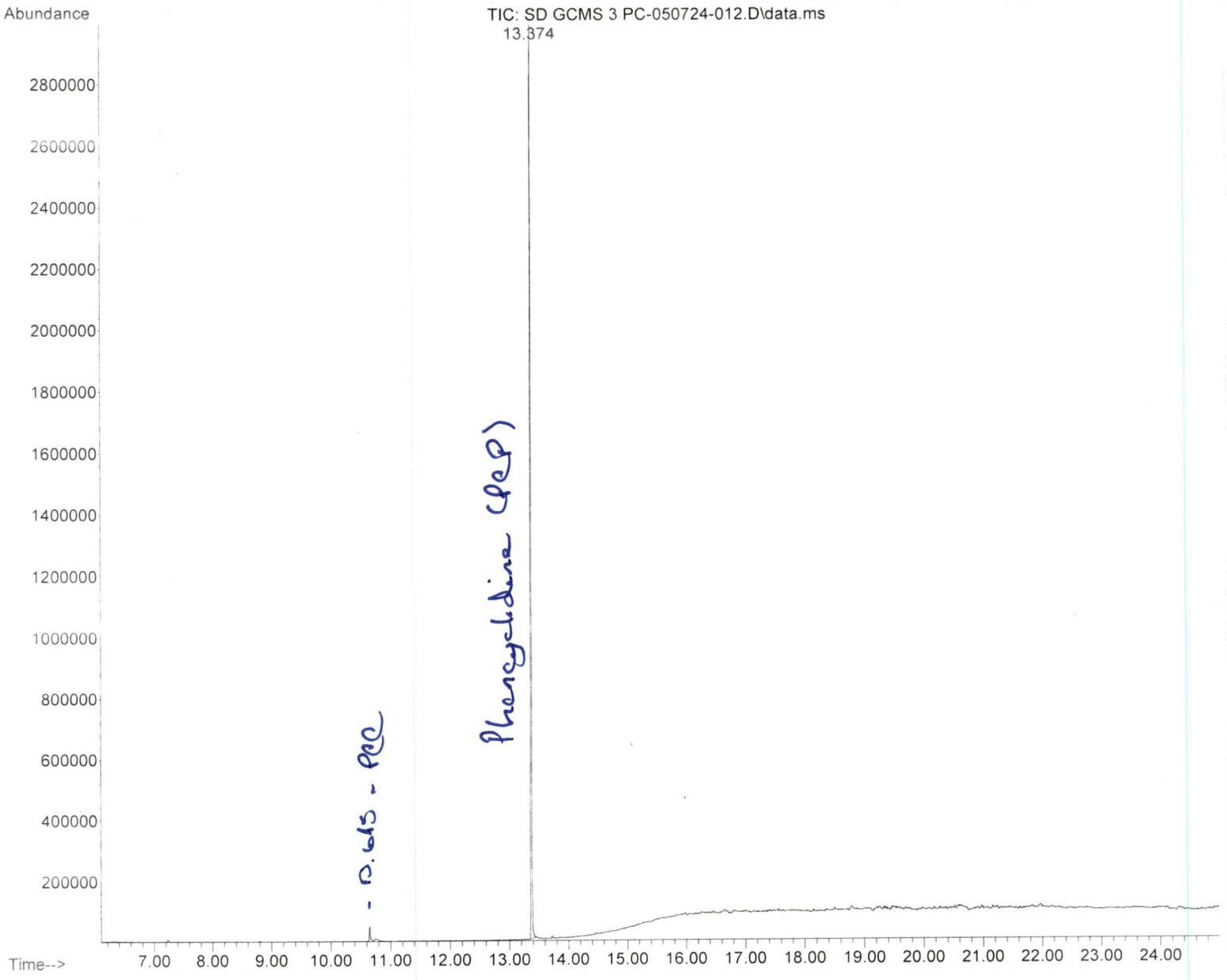
MAY 0 8 2024

Signal : TIC: SD GCMS 3 PC-050724-012.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	13.374	1244	1250	1263	BB	2930869	31883051	100.00%	100.000%

Sum of corrected areas: 31883051

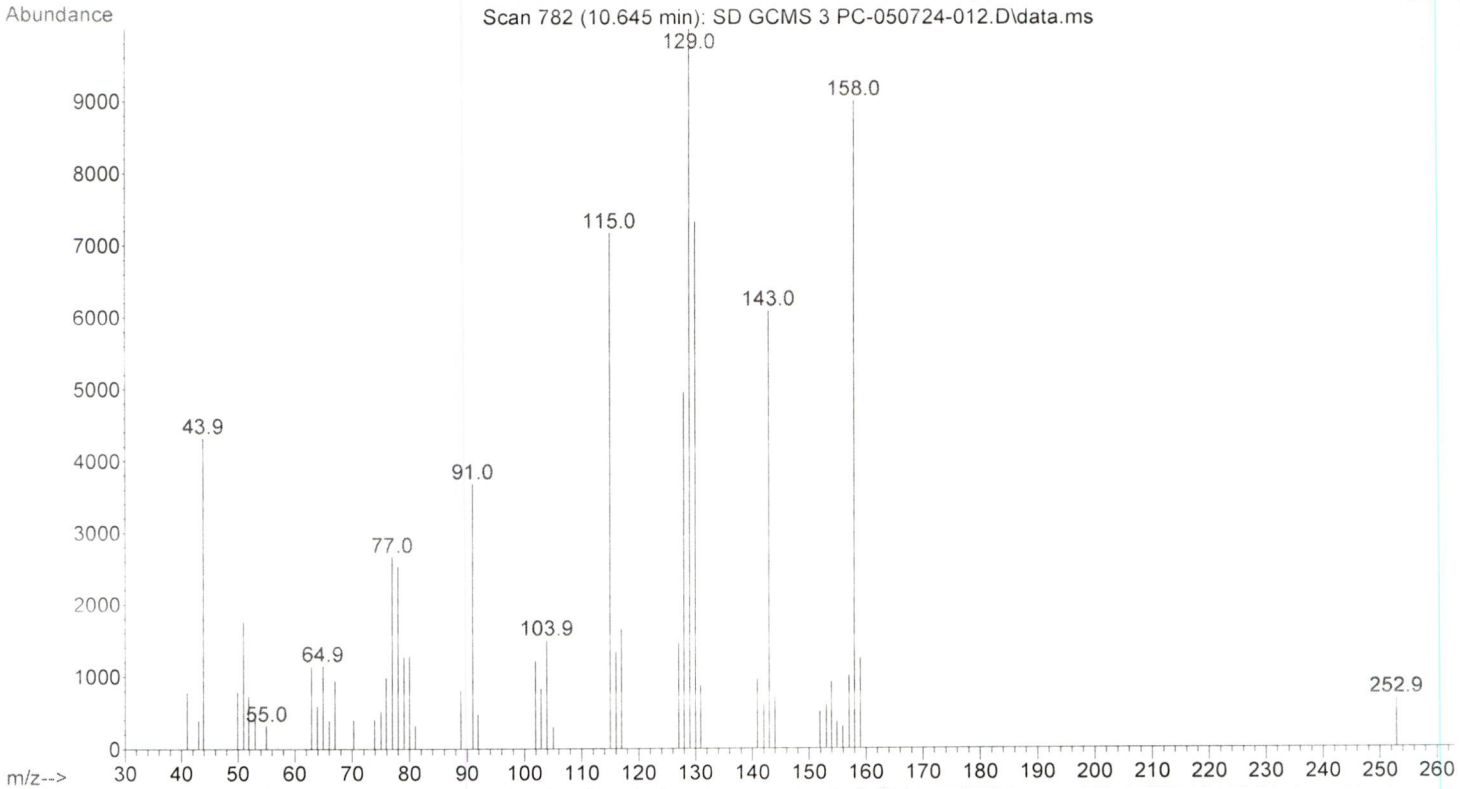
DrugTest35MS.M Tue May 07 16:37:36 2024 DRUGS

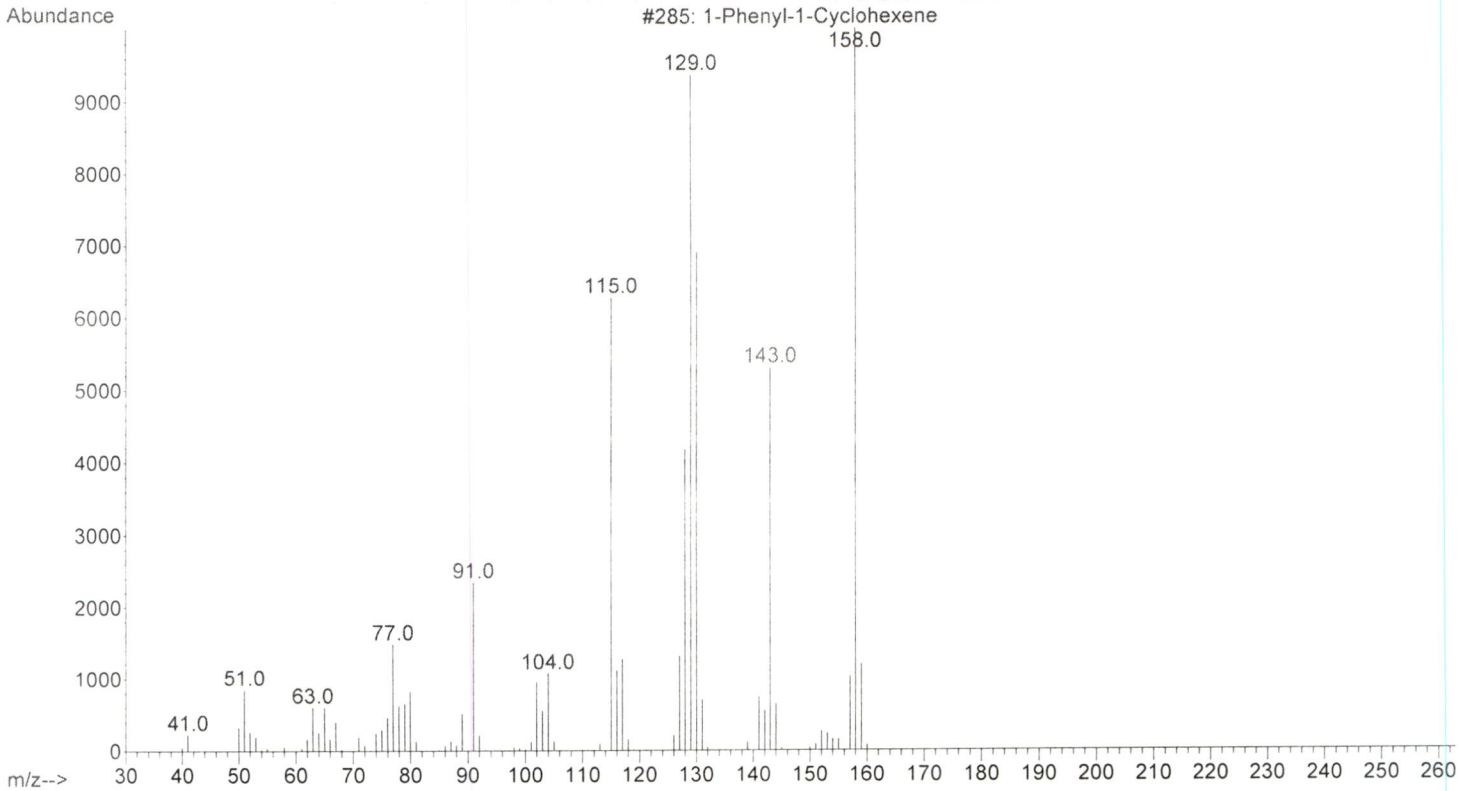


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-012.D
Acquired : 07 May 2024 16:12 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Phencyclidine (PCP) (S-24-003) 000005994
Misc Info : 000005994
Vial Number: 21

MAY 0 8 2024

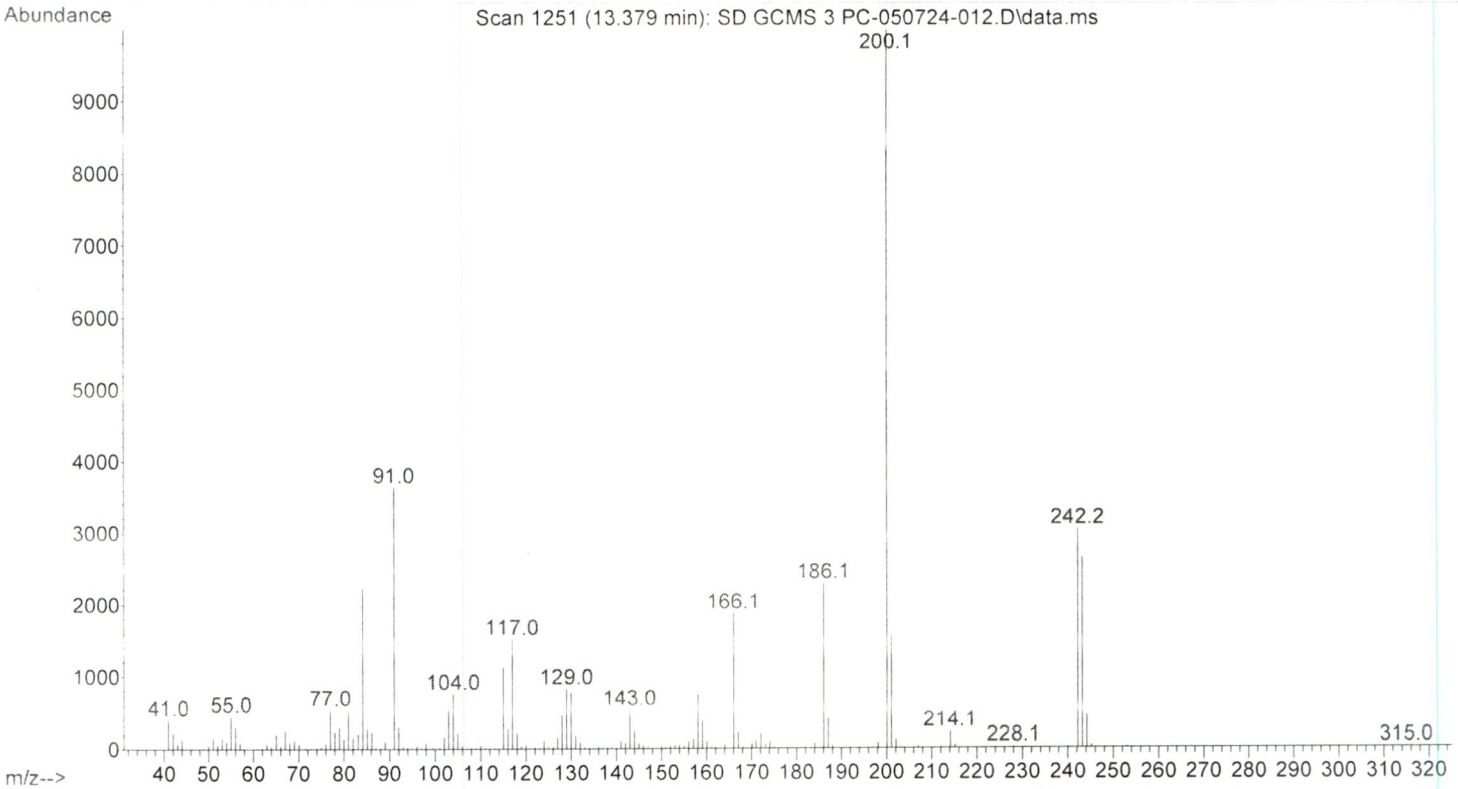


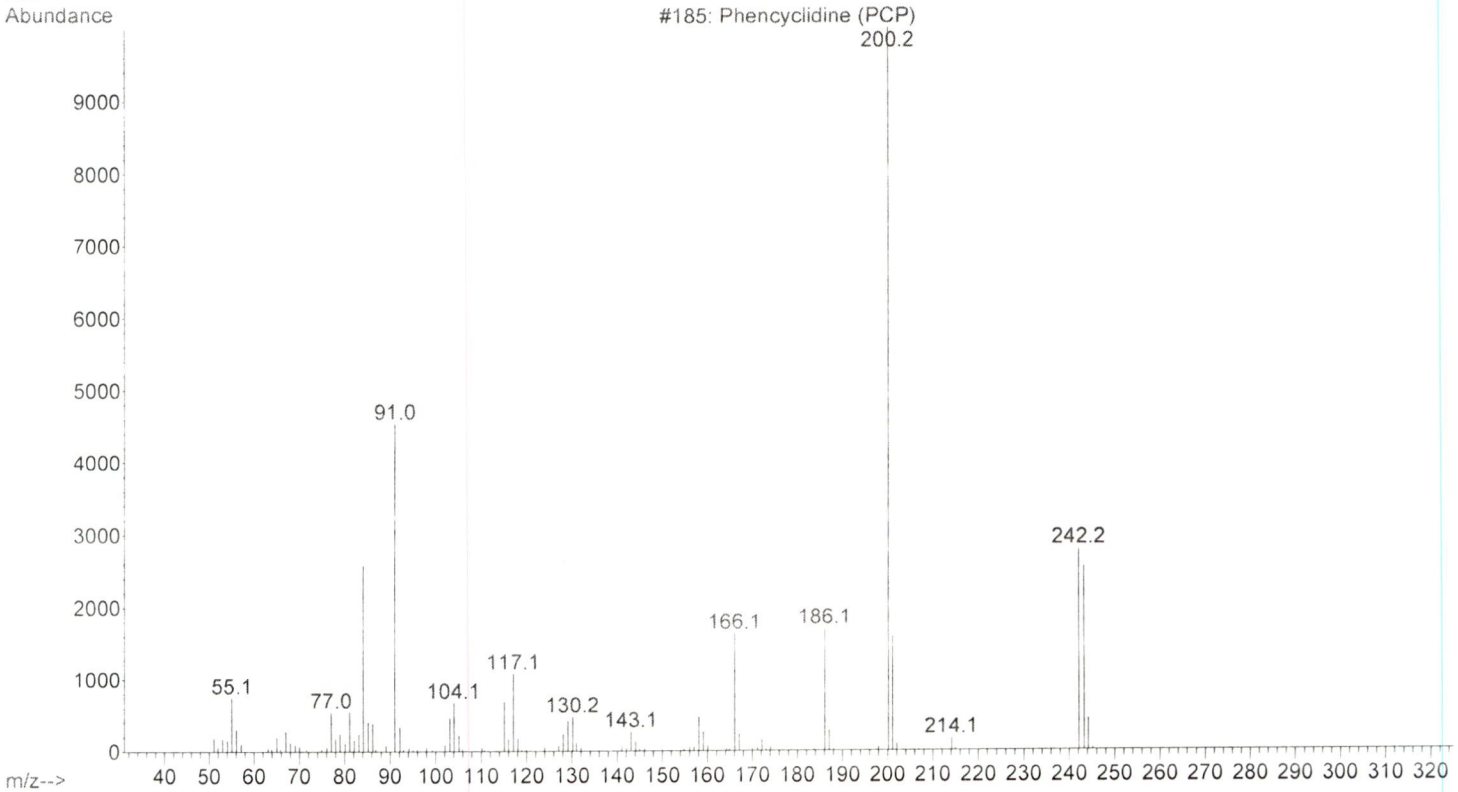


25

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-012.D
Acquired : 07 May 2024 16:12 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Phencyclidine (PCP) (S-24-003) 000005994
Misc Info : 000005994
Vial Number: 21

MAY 08 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-013.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 16:41
Sample : LSD (S-22-038)
Misc :
ALS Vial : 22
ExpBcode : 000001340
ActBcode : 000001340

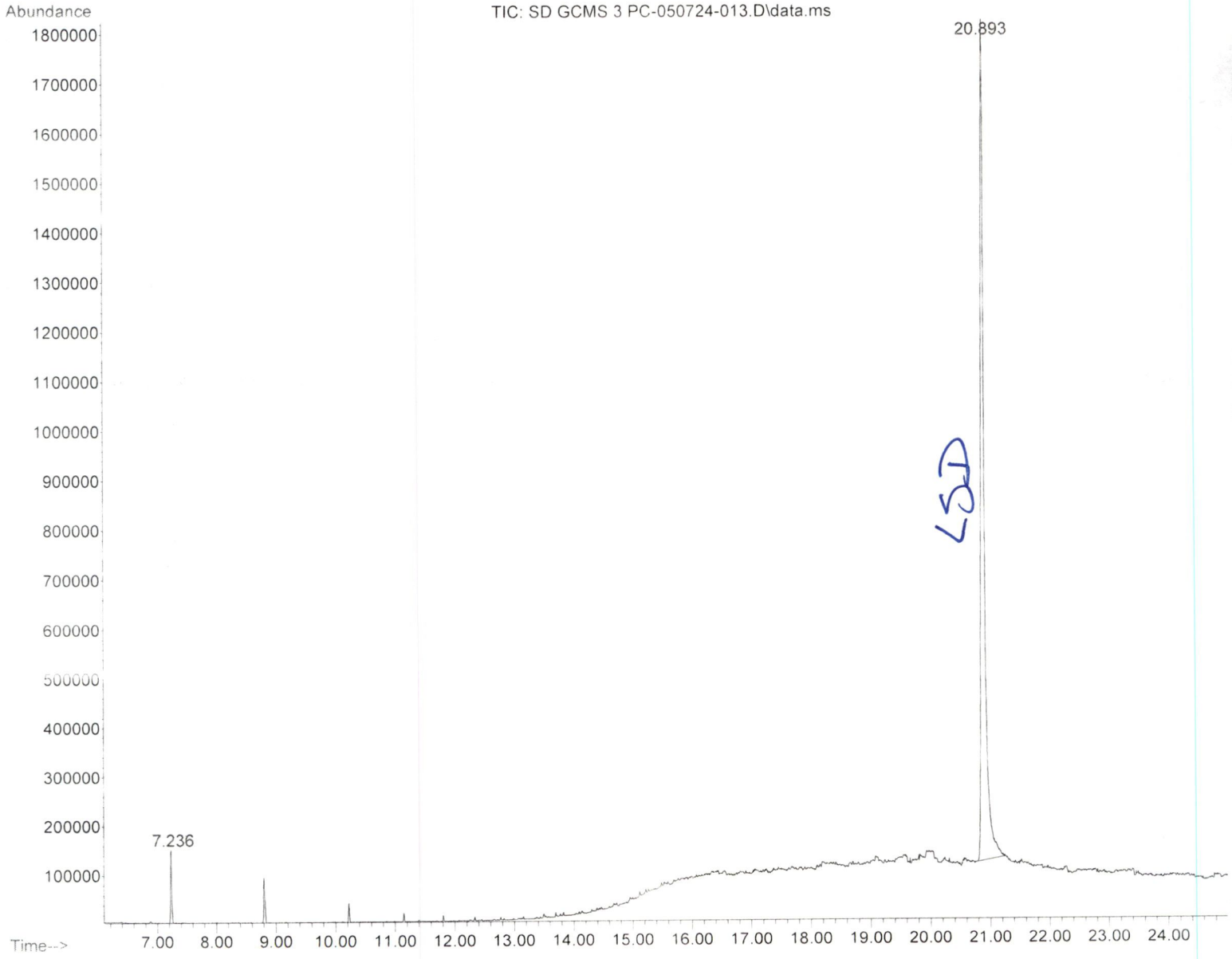
MAY 0 8 2024

Signal : TIC: SD GCMS 3 PC-050724-013.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.236	190	197	204	BB	148225	2126552	3.00%	2.917%
2	20.893	2516	2540	2601	BB	1688341	70767338	100.00%	97.083%

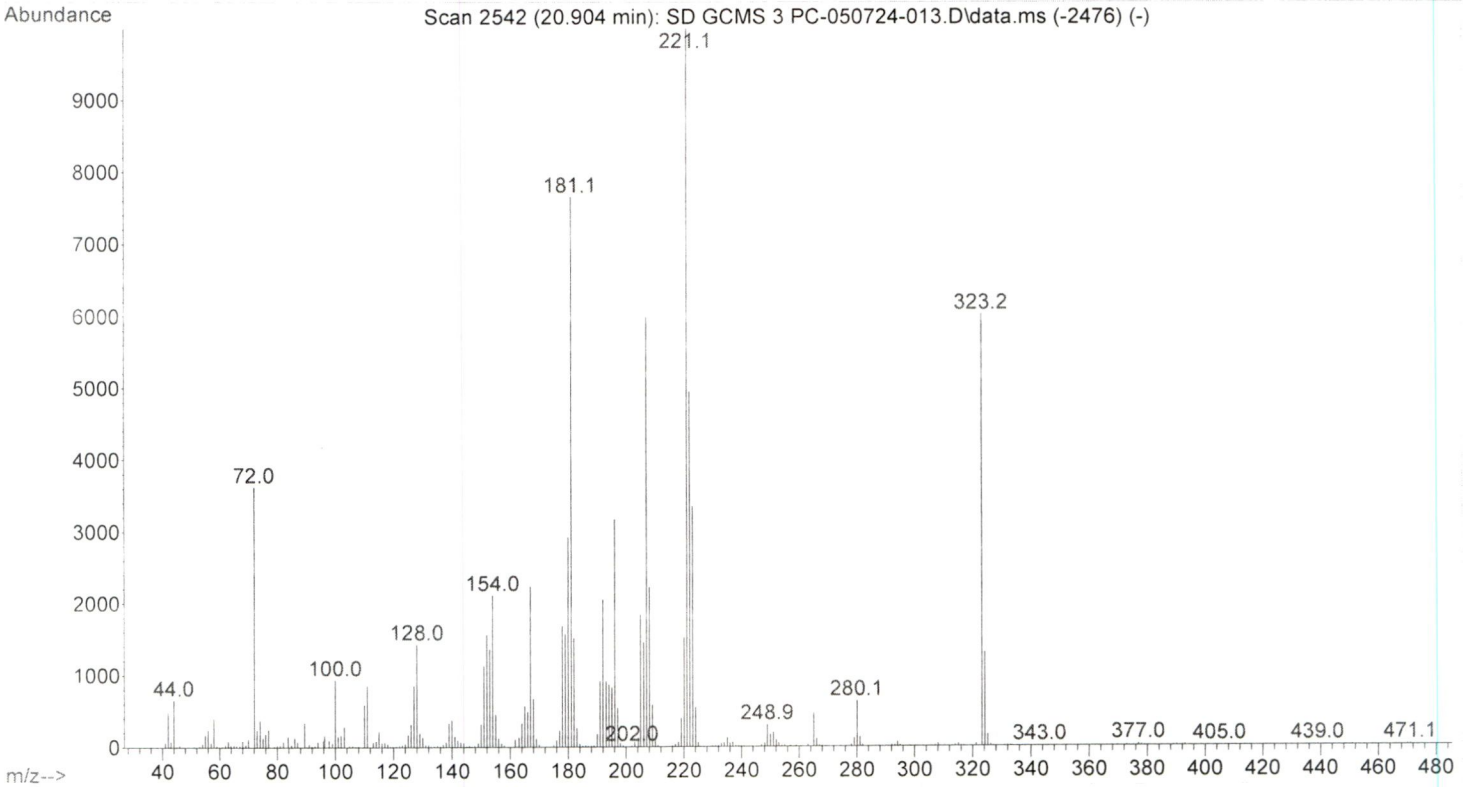
Sum of corrected areas: 72893890

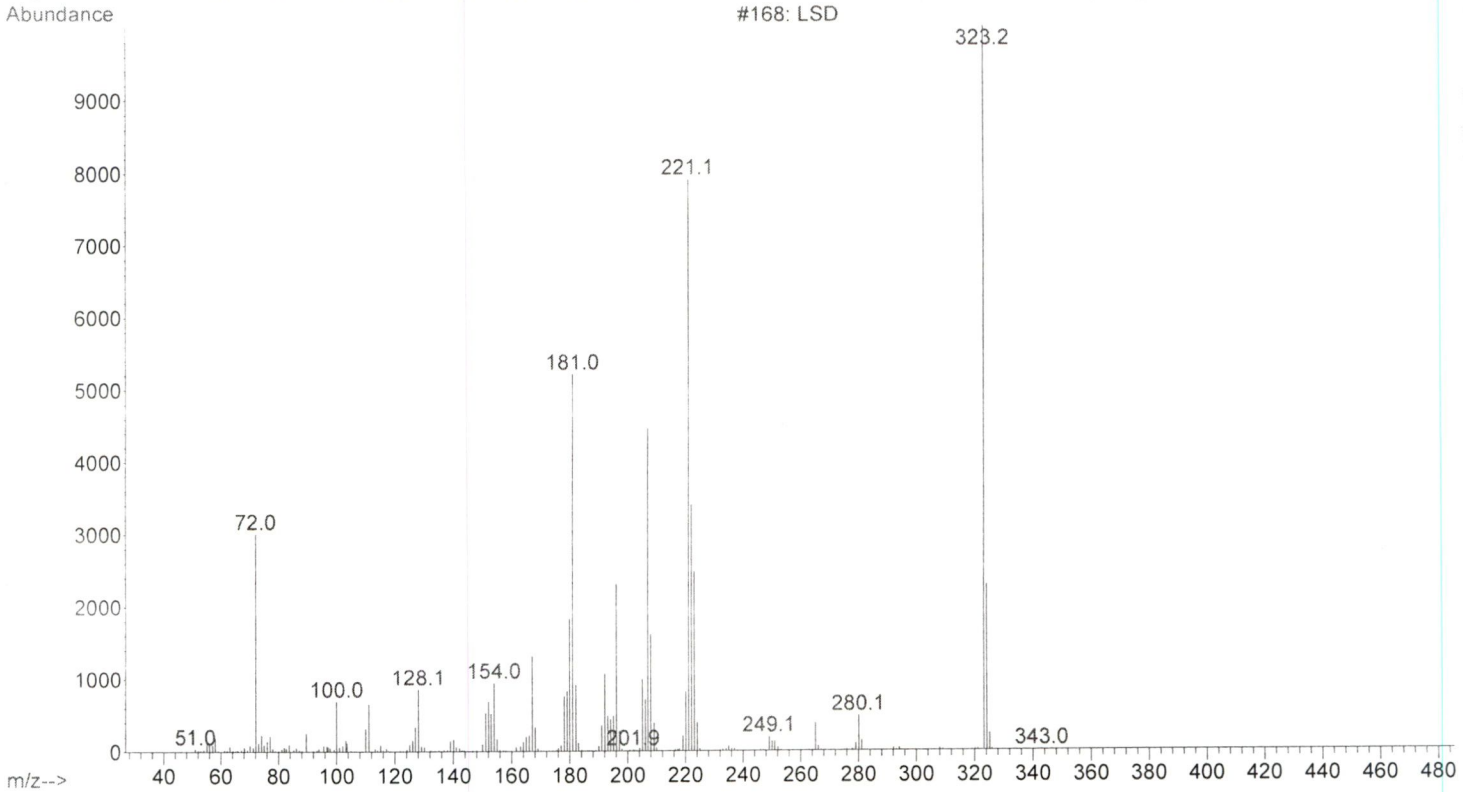
DrugTest35MS.M Tue May 07 17:06:27 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-013.D
Acquired : 07 May 2024 16:41 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: LSD (S-22-038) 000001340
Misc Info : 000001340
Vial Number: 22

MAY 08 2...





Brazoria County Crime Lab Area Percent Report

DS

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK007.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS_20X.M
Operator : SD GCMS 4
Acq On : 07 May 2024 17:09
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

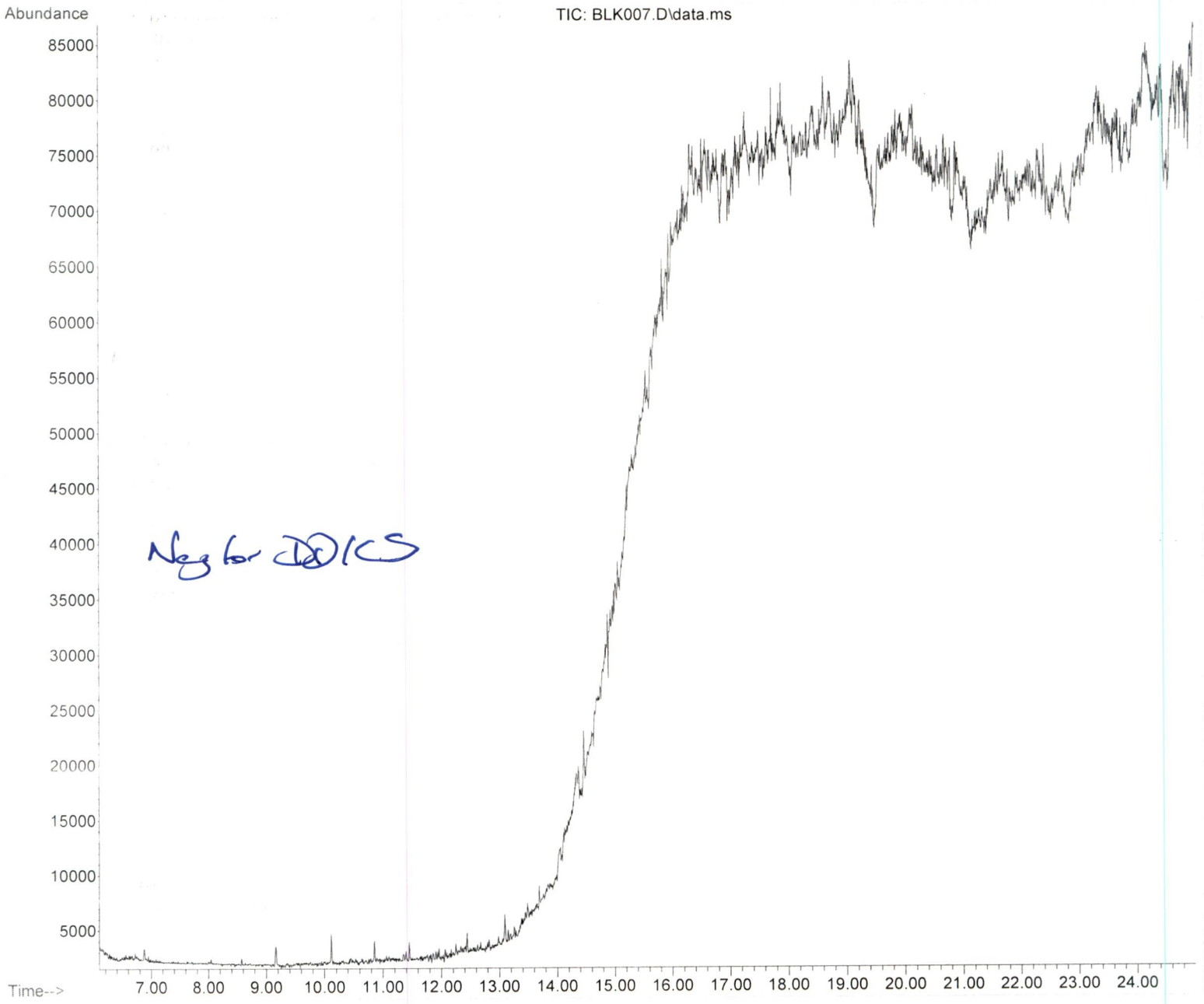
MAY 08 2024

Signal : TIC: BLK007.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_20X.M Tue May 07 17:34:44 2024 DRUGS



Neg for DOICS

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-014.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS_20X.M
Operator : SD GCMS 4
Acq On : 07 May 2024 17:37
Sample : Psilocin (S-22-009)
Misc :
ALS Vial : 23
ExpBcode : 000001724
ActBcode : 000001724

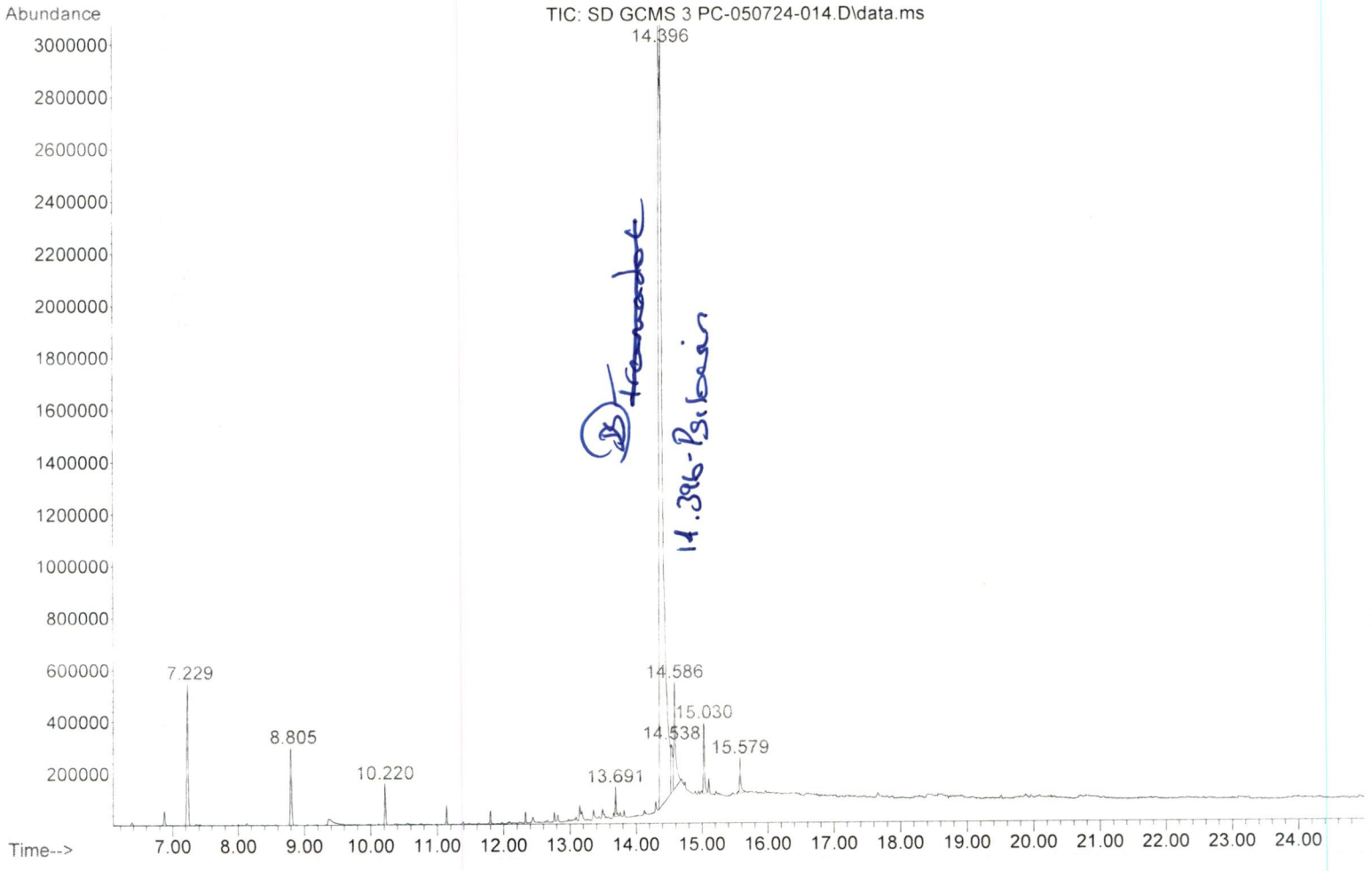
Signal : TIC: SD GCMS 3 PC-050724-014.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.229	192	200	207	BB	530526	7809820	6.45%	5.092%
2	8.805	467	475	484	BB	294141	4492679	3.71%	2.929%
3	10.220	699	722	731	BB	152760	1761764	1.45%	1.149%
4	13.691	1325	1329	1338	VV	109703	1224673	1.01%	0.799%
5	14.396	1442	1452	1474	PV 2	2890746	121155275	100.00%	78.997%
6	14.538	1474	1477	1481	VV	186270	3968684	3.28%	2.588%
7	14.586	1481	1485	1502	VV	395854	7739215	6.39%	5.046%
8	15.030	1559	1563	1573	VV	266419	3284794	2.71%	2.142%
9	15.579	1645	1659	1674	BB	134850	1929314	1.59%	1.258%

MAY 0 8 2024

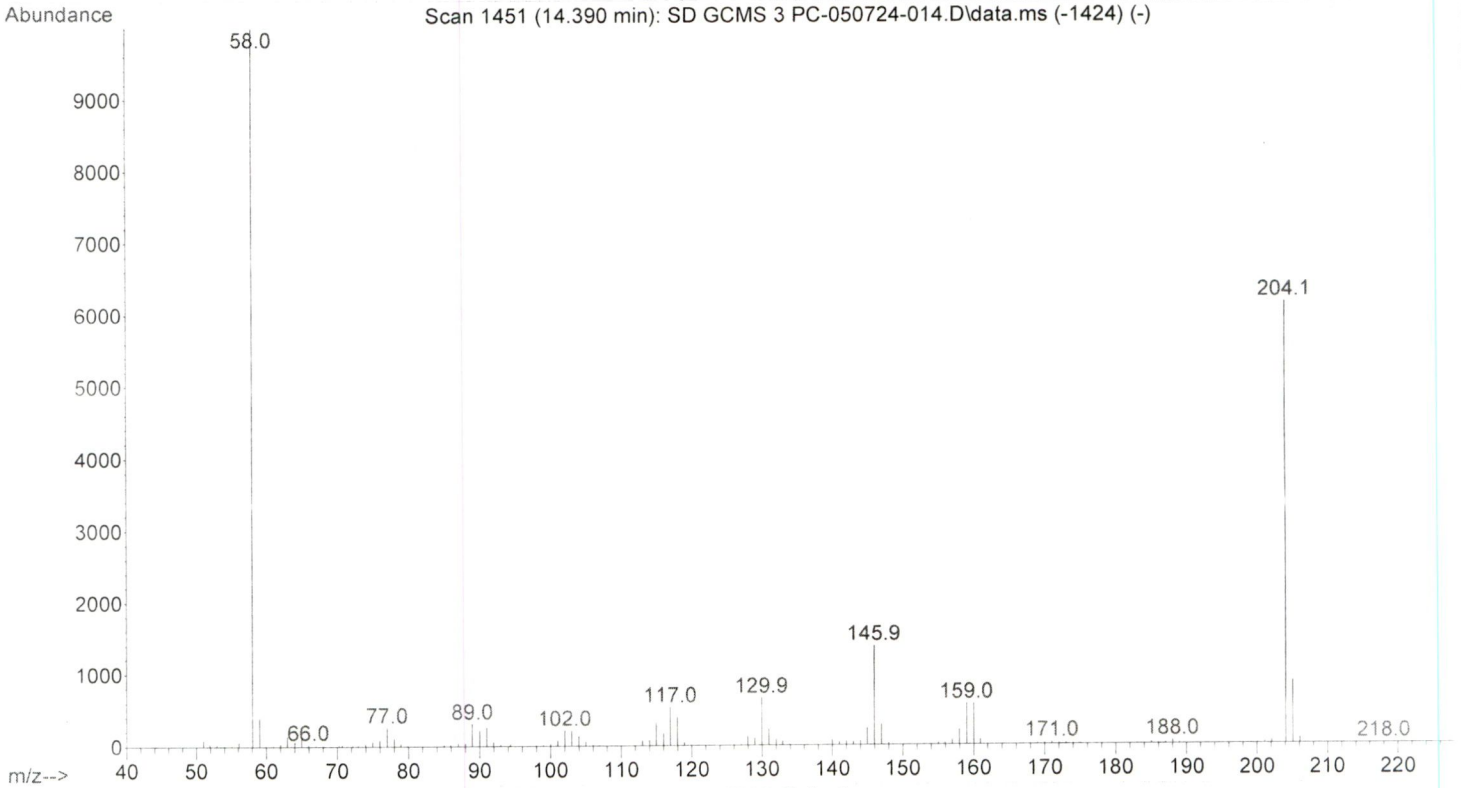
Sum of corrected areas: 153366217

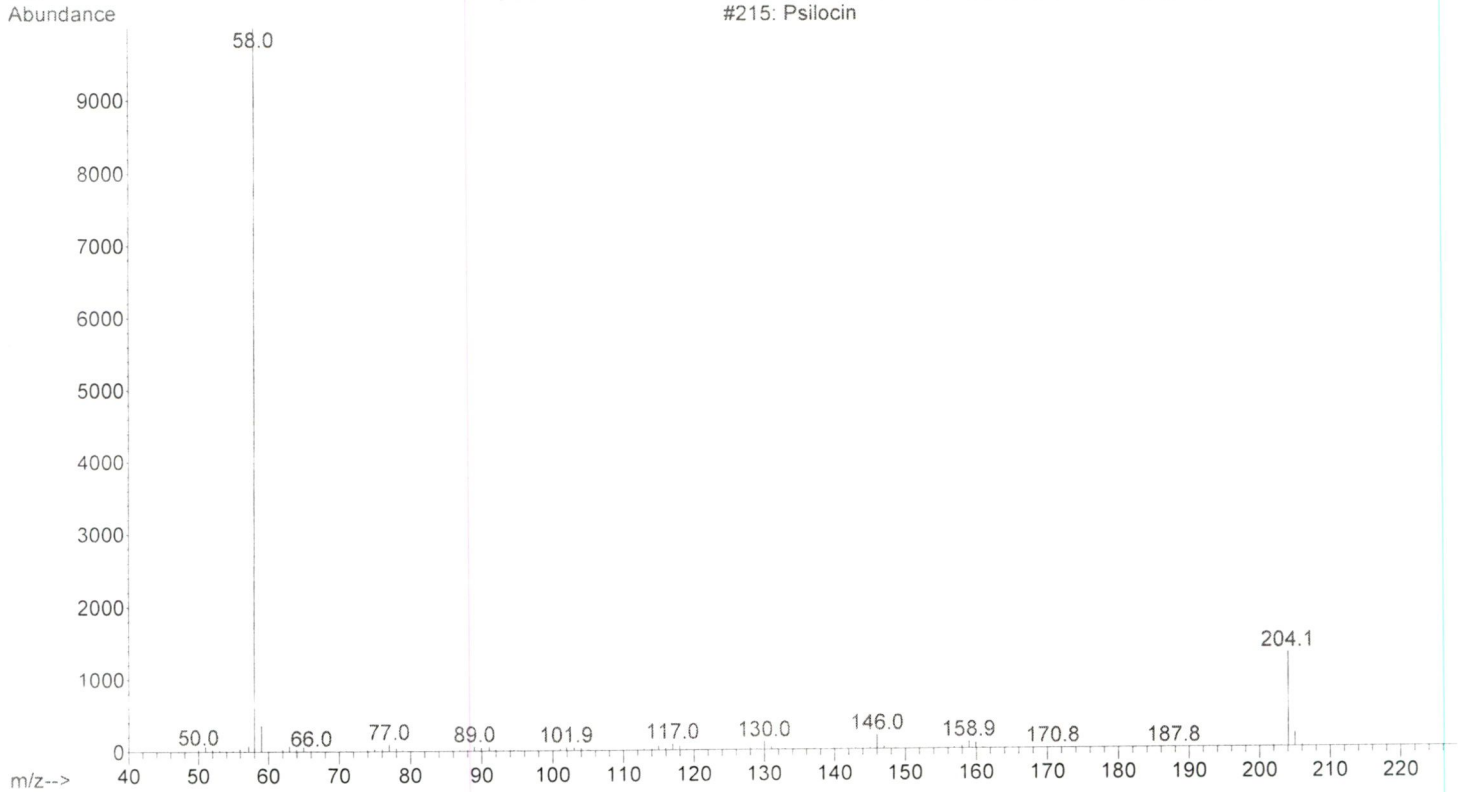
DrugTest35MS_20X.M Tue May 07 18:02:58 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-014.D
Acquired : 07 May 2024 17:37 using AcqMethod DrugTest35MS_20X.M
Instrument : GCMS #4
Sample Name: Psilocin (S-22-009) 000001724
Misc Info : 000001724
Vial Number: 23

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-015.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS_20X.M
Operator : SD GCMS 4
Acq On : 07 May 2024 18:05
Sample : Protonitazene (S-23-011)
Misc :
ALS Vial : 24
ExpBcode : 000005707
ActBcode : 000005707

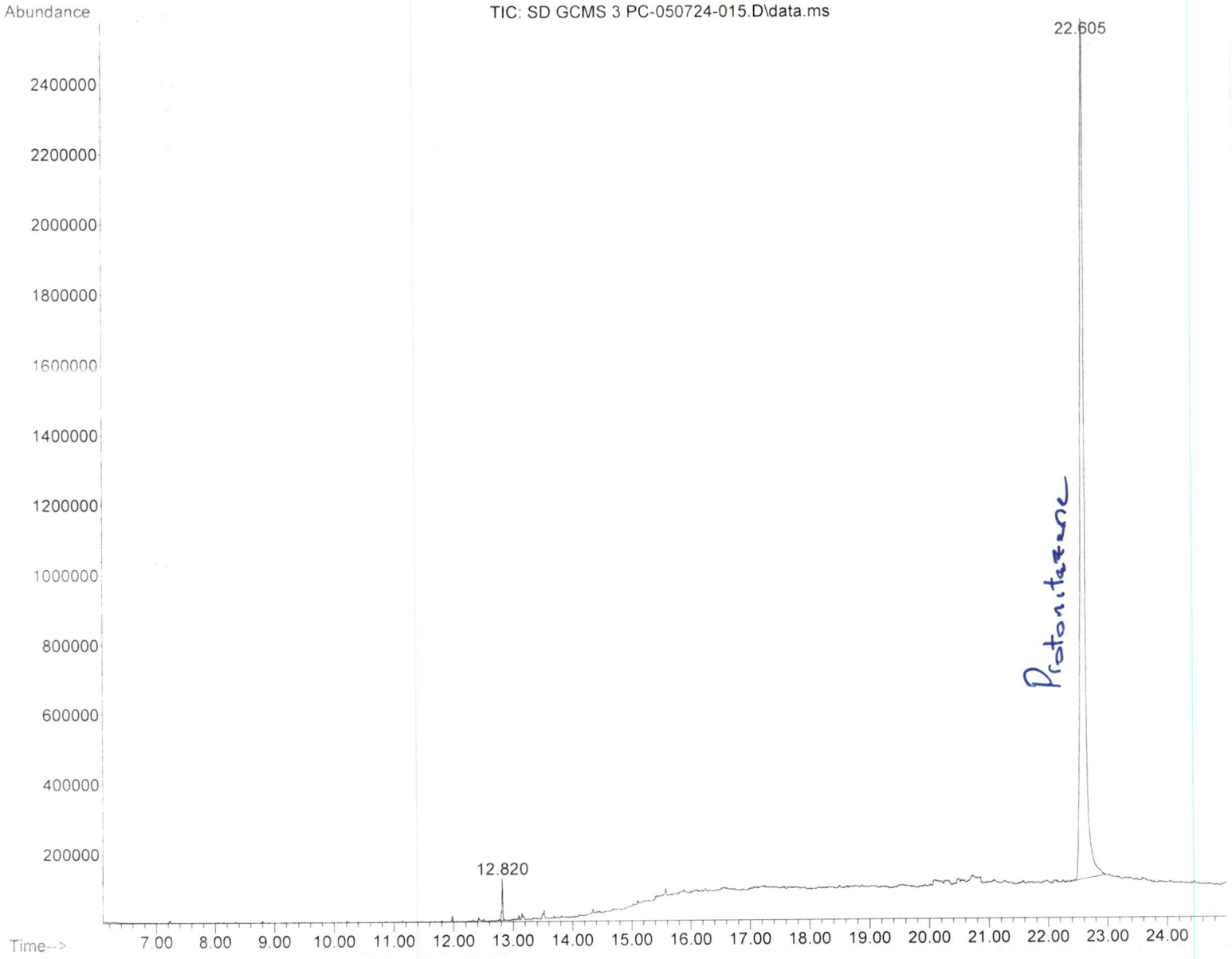
MAY 0 8 2024

Signal : TIC: SD GCMS 3 PC-050724-015.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	12.820	1170	1177	1185	VB	113355	1198204	0.98%	0.972%
2	22.605	2843	2887	2951	BB	2461624	122094115	100.00%	99.028%

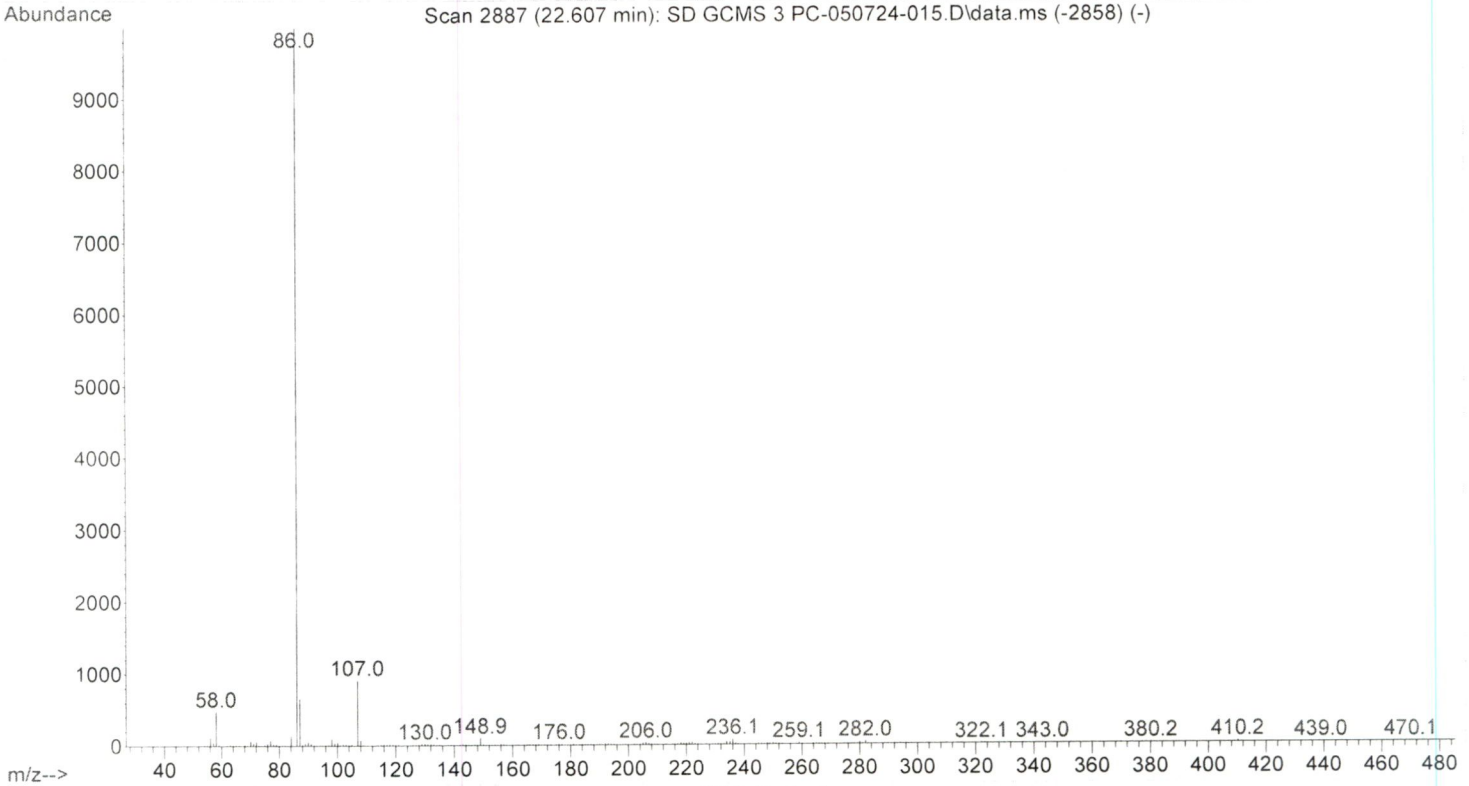
Sum of corrected areas: 123292319

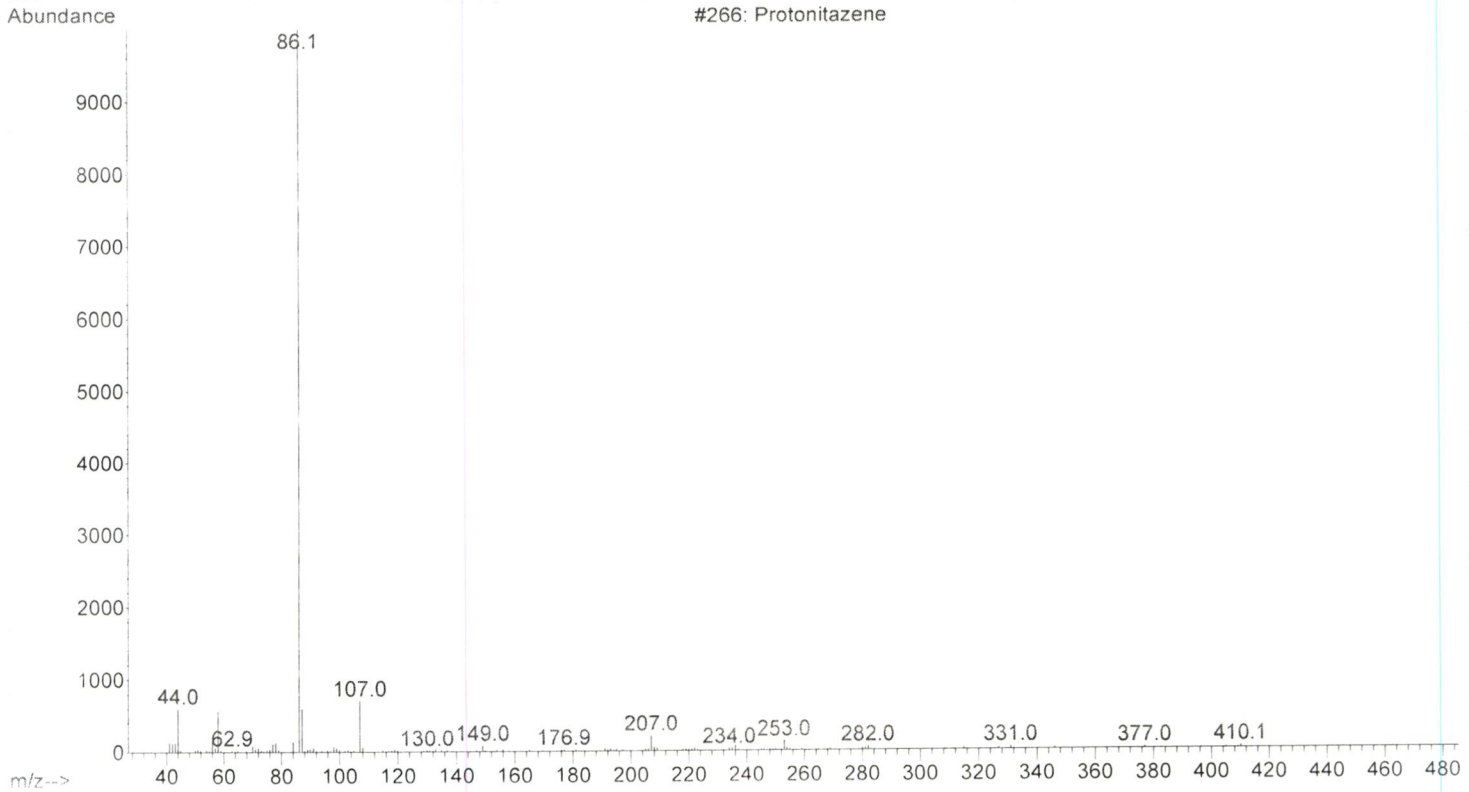
DrugTest35MS_20X.M Tue May 07 18:31:11 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-015.D
Acquired : 07 May 2024 18:05 using AcqMethod DrugTest35MS_20X.M
Instrument : GCMS #4
Sample Name: Protonitazene (S-23-011) 000005707
Misc Info : 000005707
Vial Number: 24

MAY 08 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-016.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS_20X.M
Operator : SD GCMS 4
Acq On : 07 May 2024 18:34
Sample : Etodesnitazene (S-22-072)
Misc :
ALS Vial : 25
ExpBcode : 000005703
ActBcode : 000005703

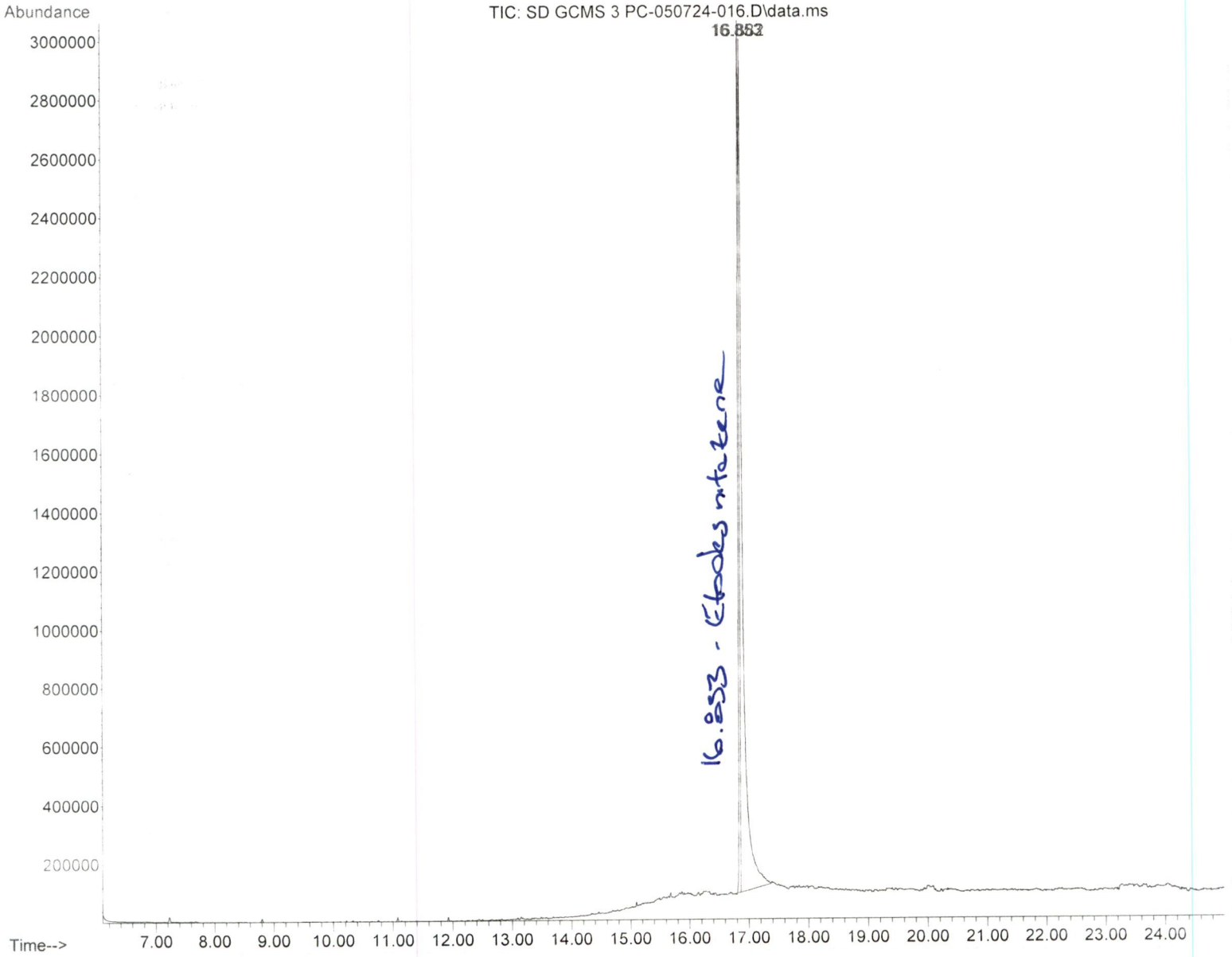
Signal : TIC: SD GCMS 3 PC-050724-016.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	16.853	1866	1881	1884	BV	2931560	45226412	44.31%	30.703%
2	16.882	1884	1887	1973	VV	2863870	102078289	100.00%	69.297%

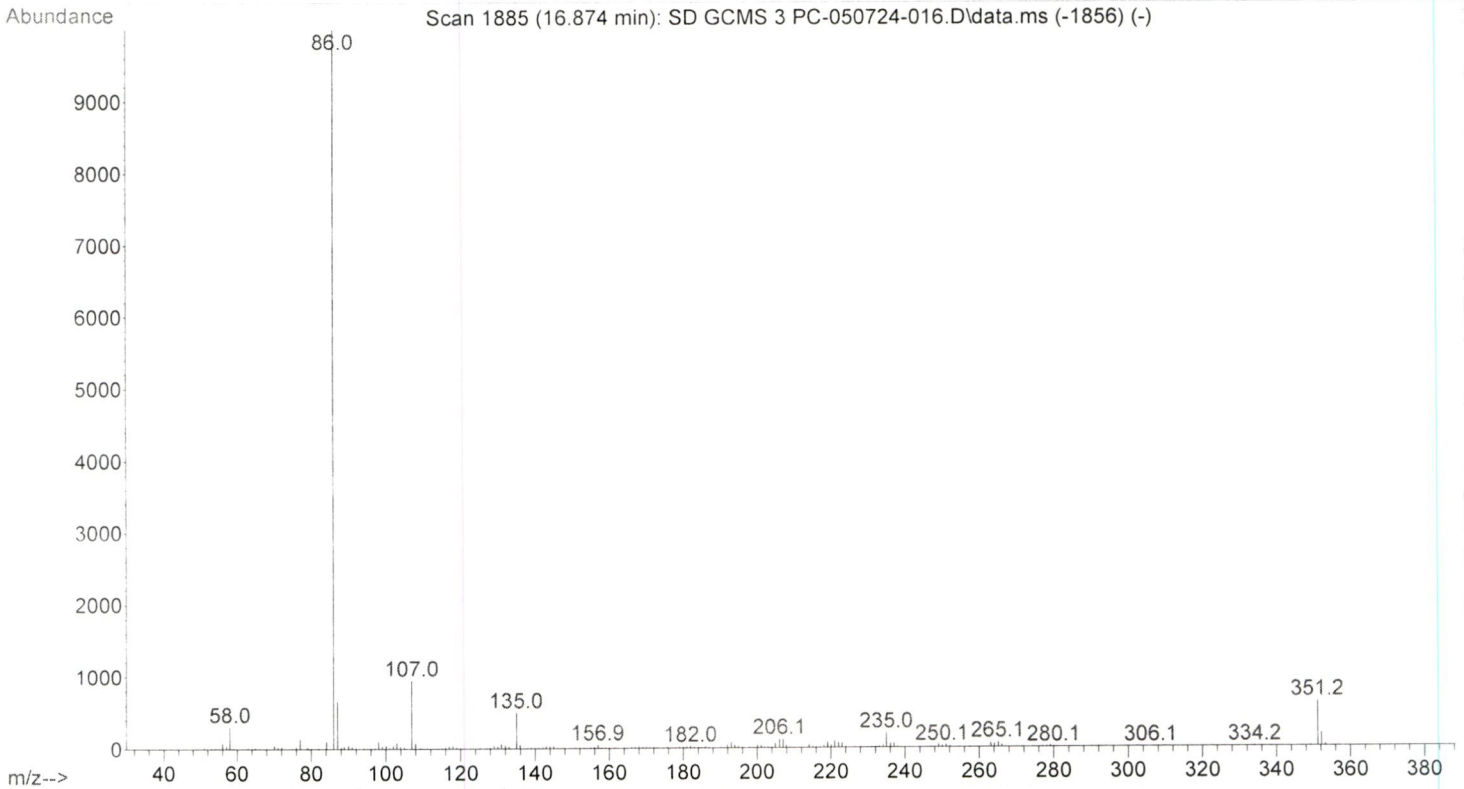
Sum of corrected areas: 147304701

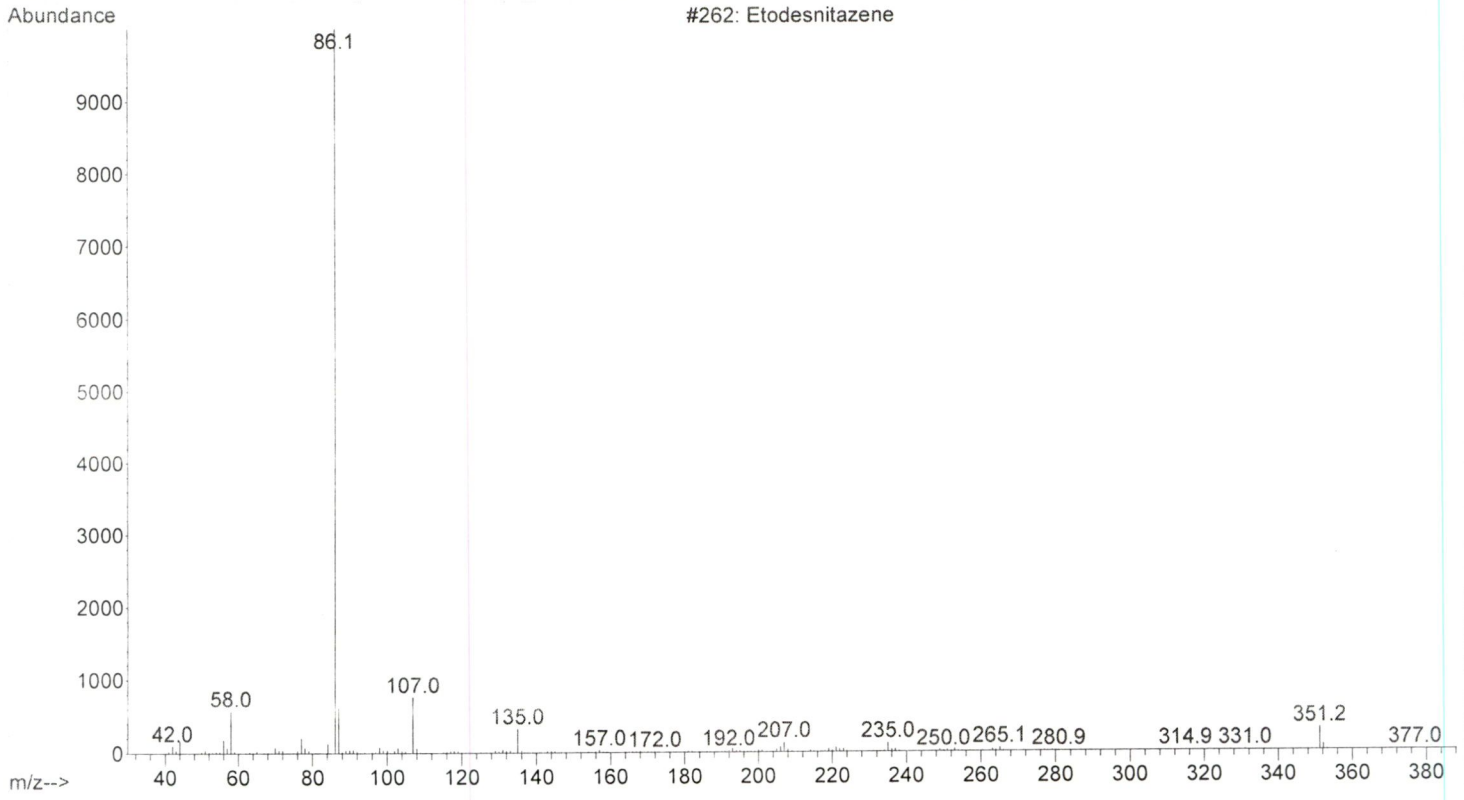
DrugTest35MS_20X.M Tue May 07 18:59:29 2024 DRUGS



```
File       :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
...         ication\050724\SD GCMS 3 PC-050724-016.D
Acquired   : 07 May 2024  18:34     using AcqMethod DrugTest35MS_20X.M
Instrument :   GCMS #4
Sample Name: Etodesnitazene (S-22-072)                    000005703
Misc Info  :                                              000005703
Vial Number: 25
```

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK008.D
Method : D:\MassHunter\GCMS\1\methods\Archived methods\DrugTest35MS-FHTI.M
Operator : SD GCMS 4
Acq On : 07 May 2024 19:02
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

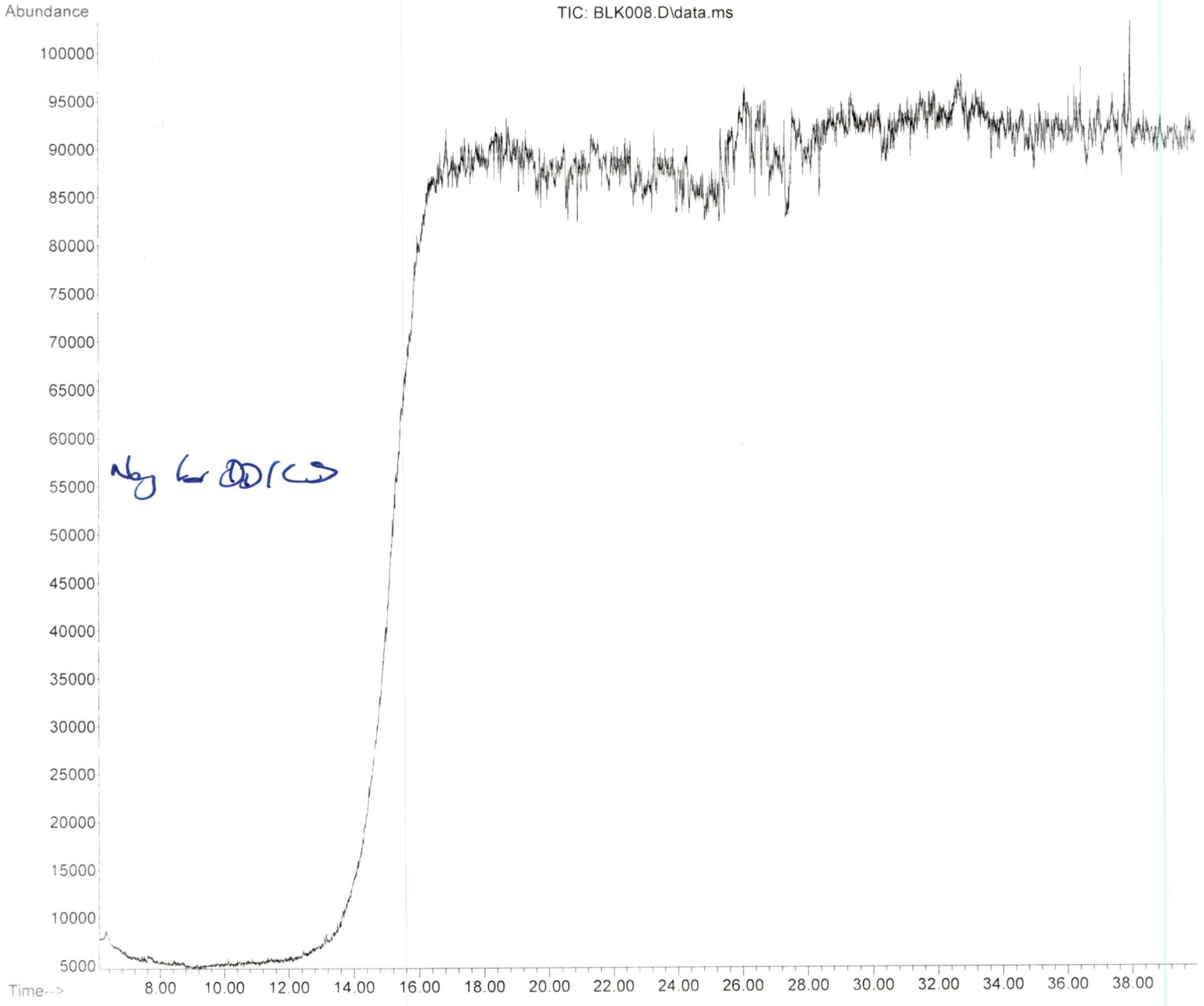
MAY 0 8 2024

Signal : TIC: BLK008.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-FHTI.M Tue May 07 19:42:43 2024 DRUGS



Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-017.D
Method : D:\MassHunter\GCMS\1\methods\Archived methods\DrugTest35MS-FHTI.M
Operator : SD GCMS 4
Acq On : 07 May 2024 19:45
Sample : Sildenafil (R-22-029)
Misc :
ALS Vial : 26
ExpBcode : 000001333
ActBcode : 000001333

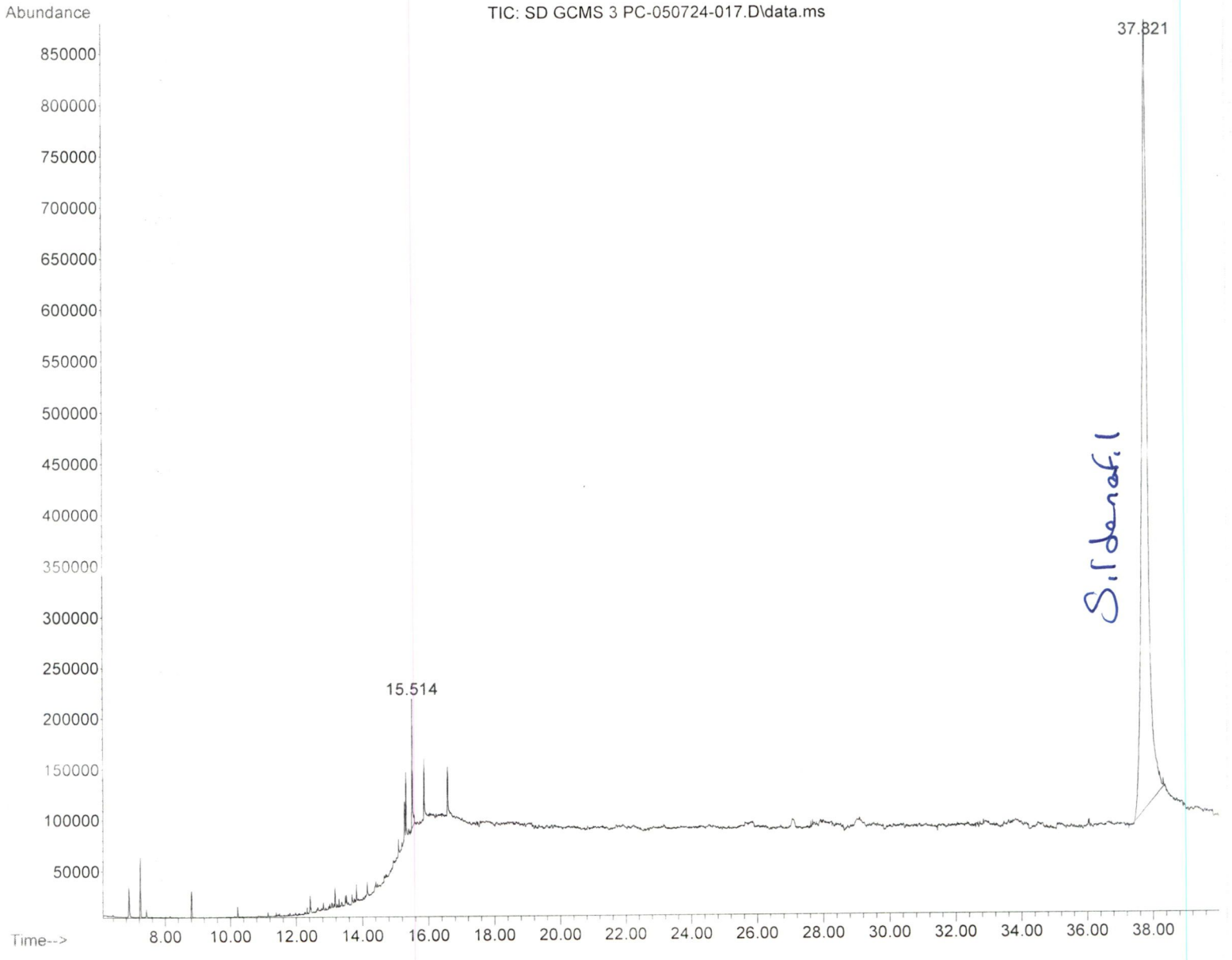
Signal : TIC: SD GCMS 3 PC-050724-017.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	15.514	1606	1617	1631	BB	118885	1589656	1.69%	1.662%
2	37.821	5369	5444	5534	BB	771072	94044016	100.00%	98.338%

Sum of corrected areas: 95633671

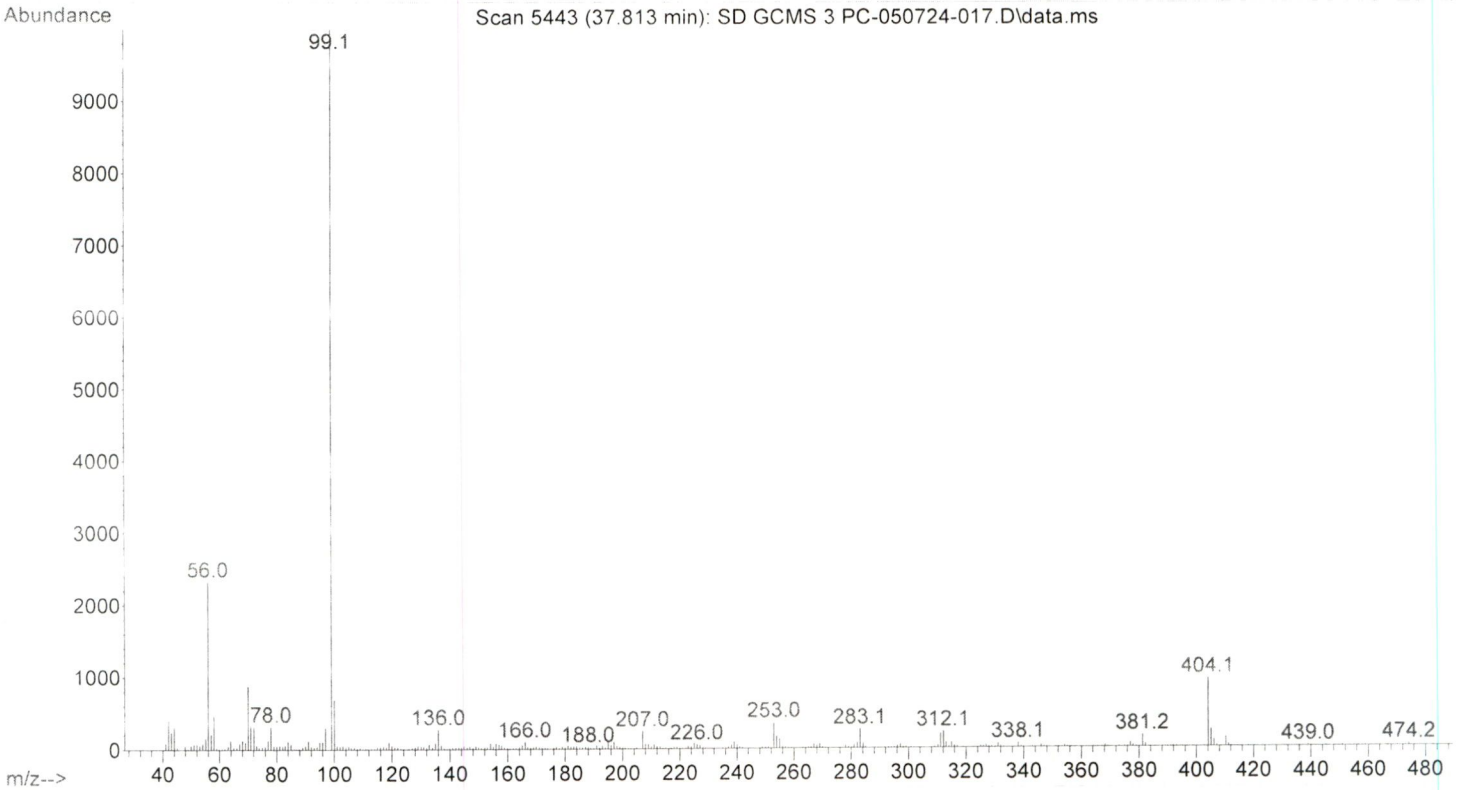
DrugTest35MS-FHTI.M Tue May 07 20:26:00 2024 DRUGS

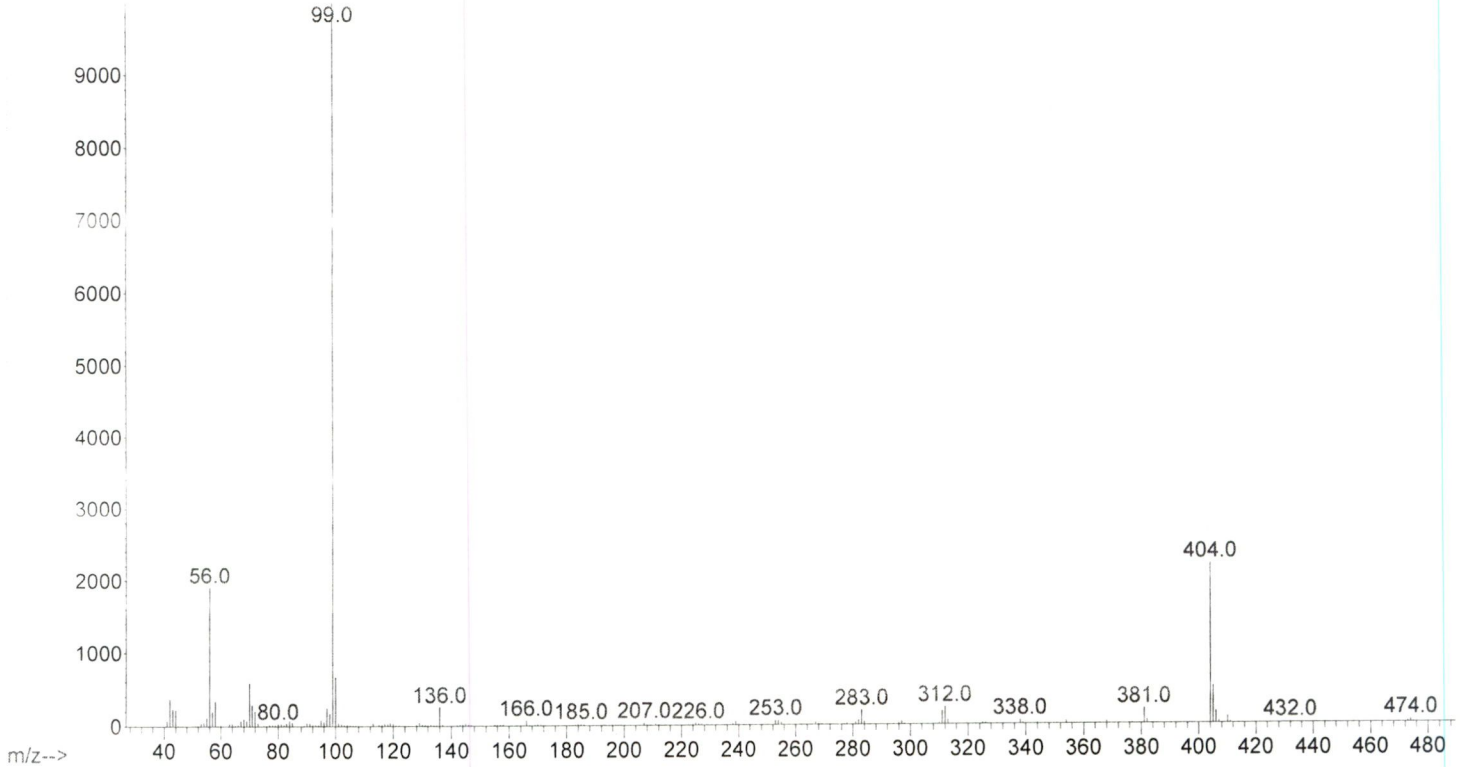


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-017.D
Acquired : 07 May 2024 19:45 using AcqMethod DrugTest35MS-FHTI.M
Instrument : GCMS #4
Sample Name: Sildenafil (R-22-029) 000001333
Misc Info : 000001333
Vial Number: 26

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK009.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 20:30
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

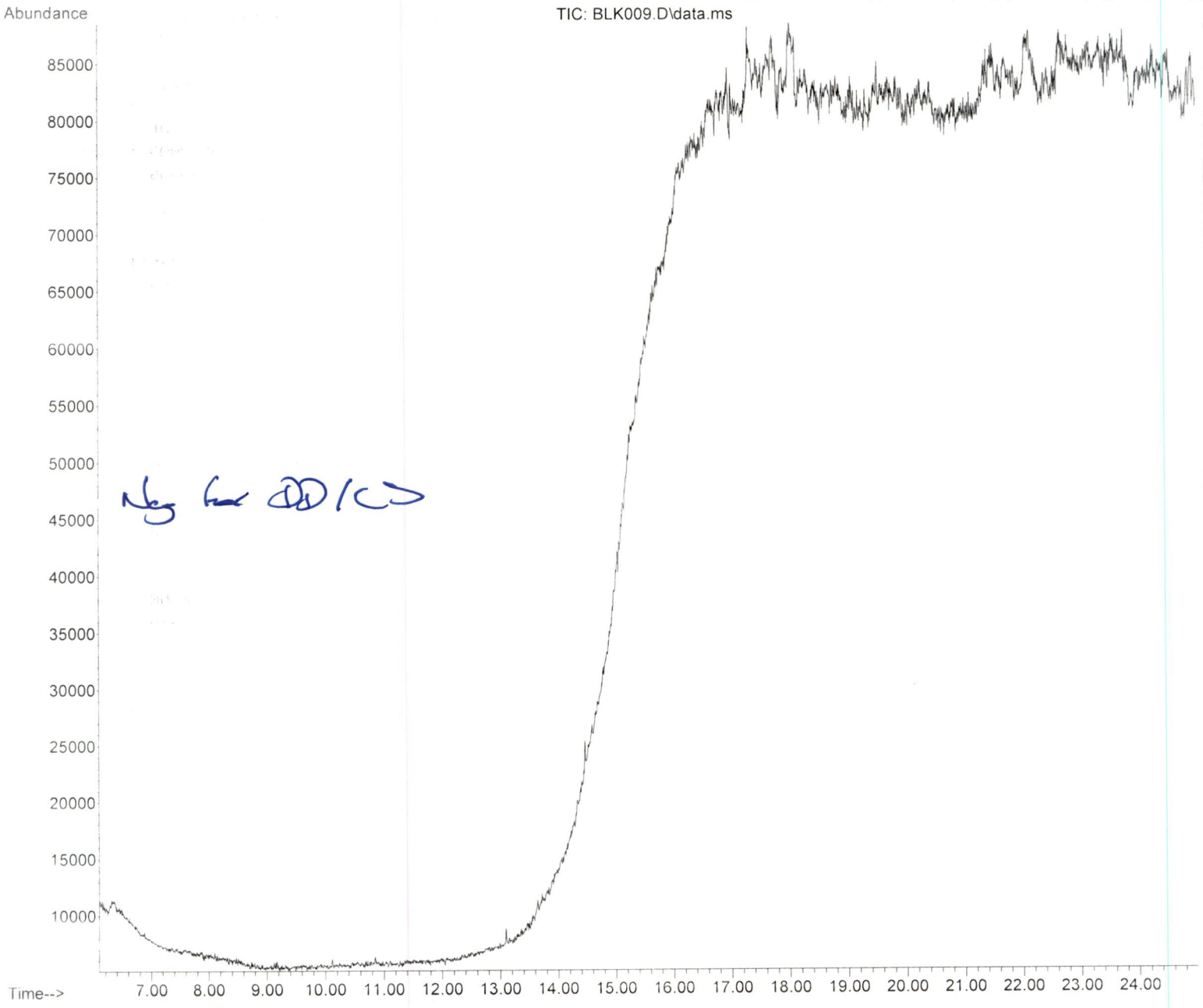
Signal : TIC: BLK009.D\data.ms

MAY 0 8 2024

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 Tue May 07 20:55:34 2024 DRUGS



Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-018.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 20:59
Sample : Buprenorphine (S-22-008)
Misc :
ALS Vial : 27
ExpBcode : 000005957
ActBcode : 000005957

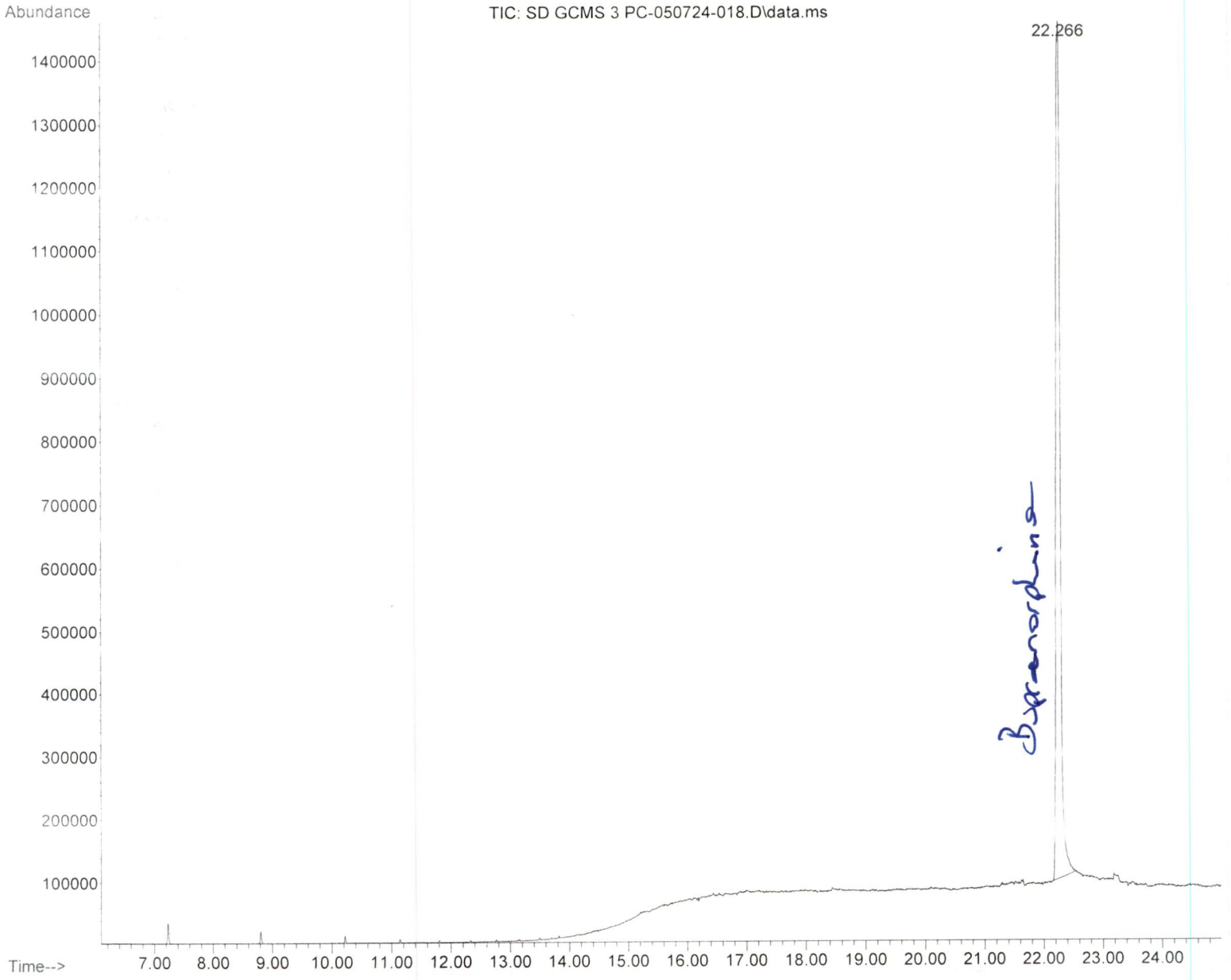
Signal : TIC: SD GCMS 3 PC-050724-018.D\data.ms

MAY 08 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	22.266	2750	2776	2822	BB 5	1357192	70006788	100.00%	100.000%

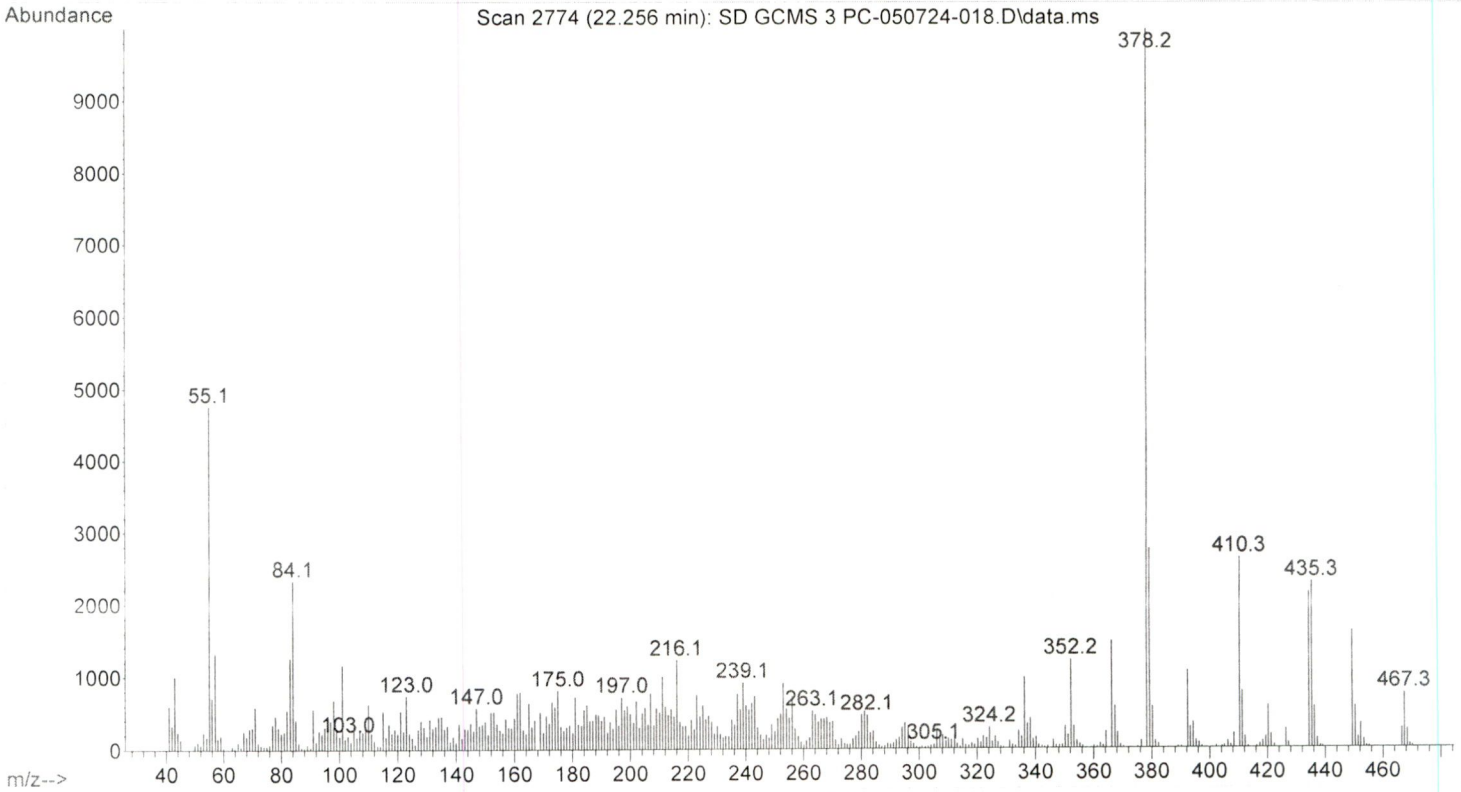
Sum of corrected areas: 70006788

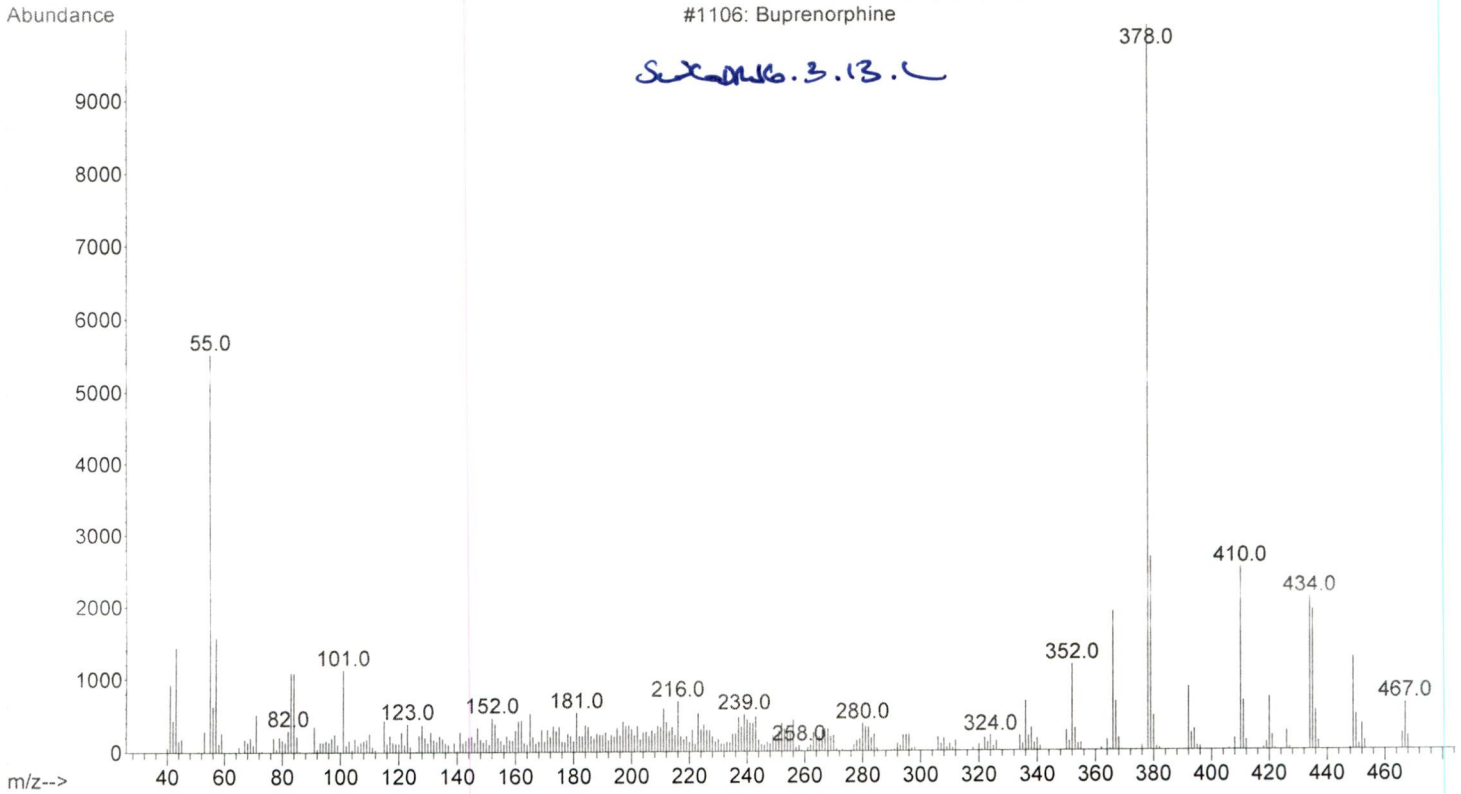
DrugTest35MS.M Tue May 07 21:24:23 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-018.D
Acquired : 07 May 2024 20:59 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Buprenorphine (S-22-008) 000005957
Misc Info : 000005957
Vial Number: 27

MAY 08 2024





SCMS.3.13.C

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-019.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 21:27
Sample : Hydrocodone (S-23-023)
Misc :
ALS Vial : 28
ExpBcode : 000005941
ActBcode : 000005941

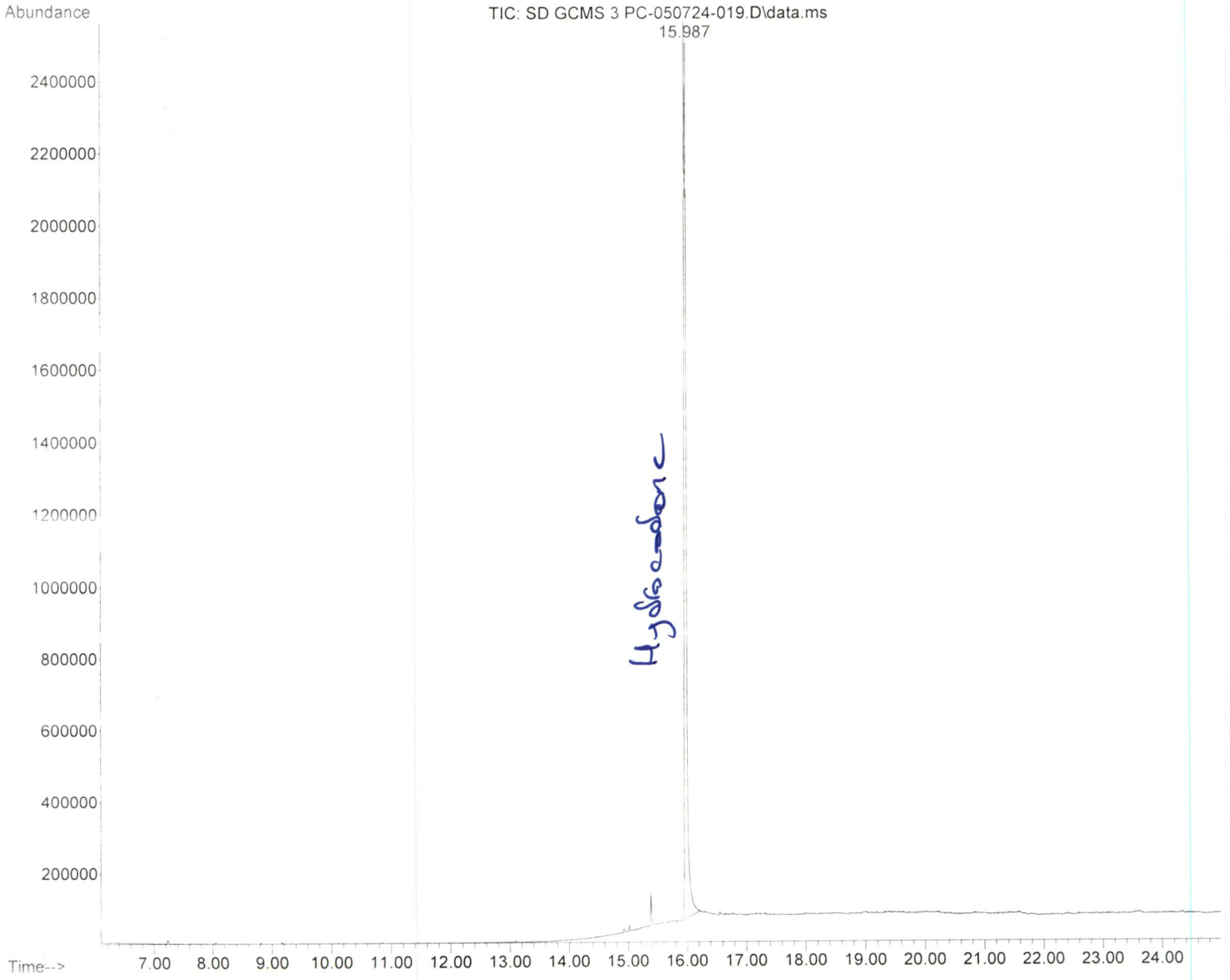
Signal : TIC: SD GCMS 3 PC-050724-019.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	15.987	1682	1698	1738	BB 5	2240652	65528601	100.00%	100.000%

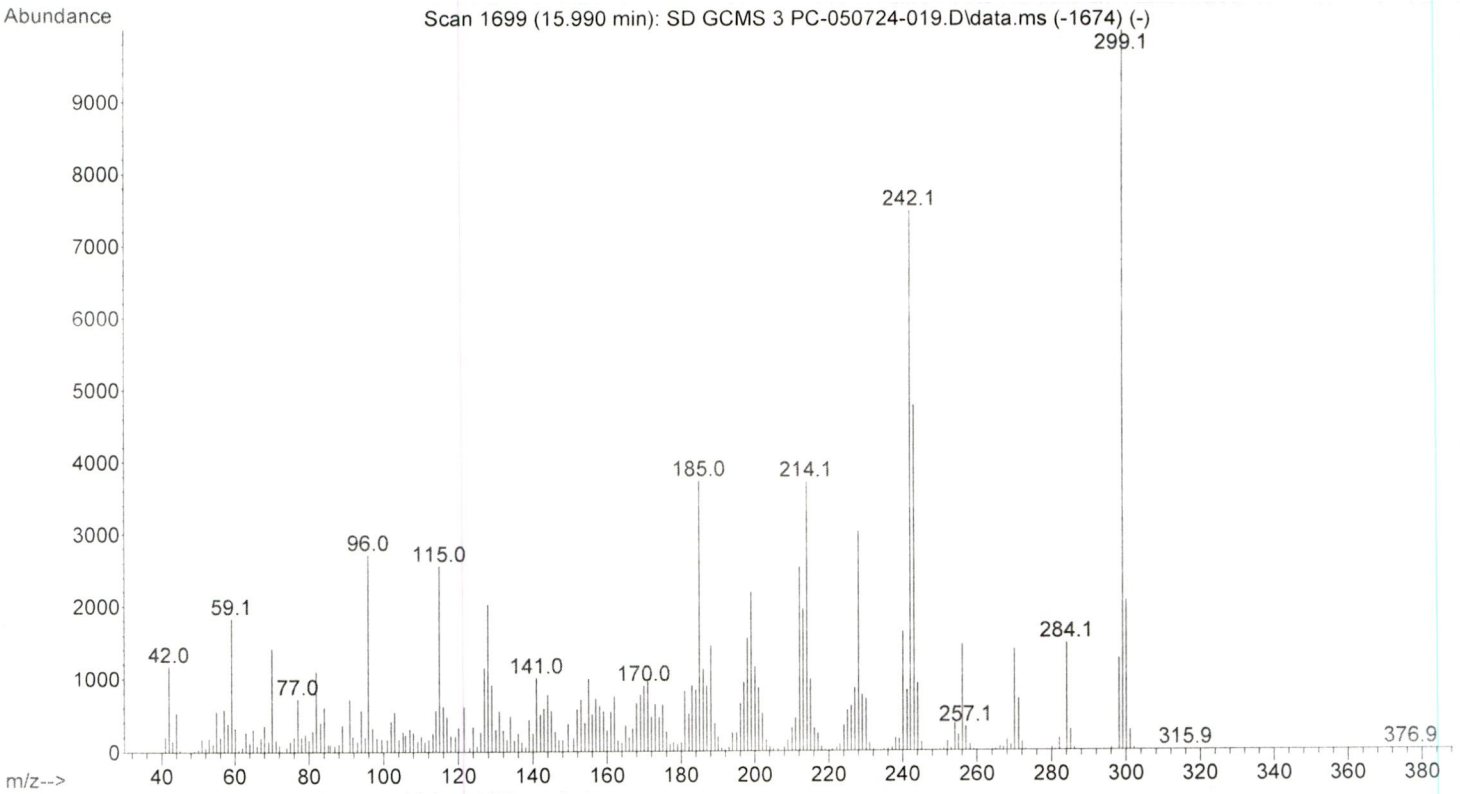
Sum of corrected areas: 65528601

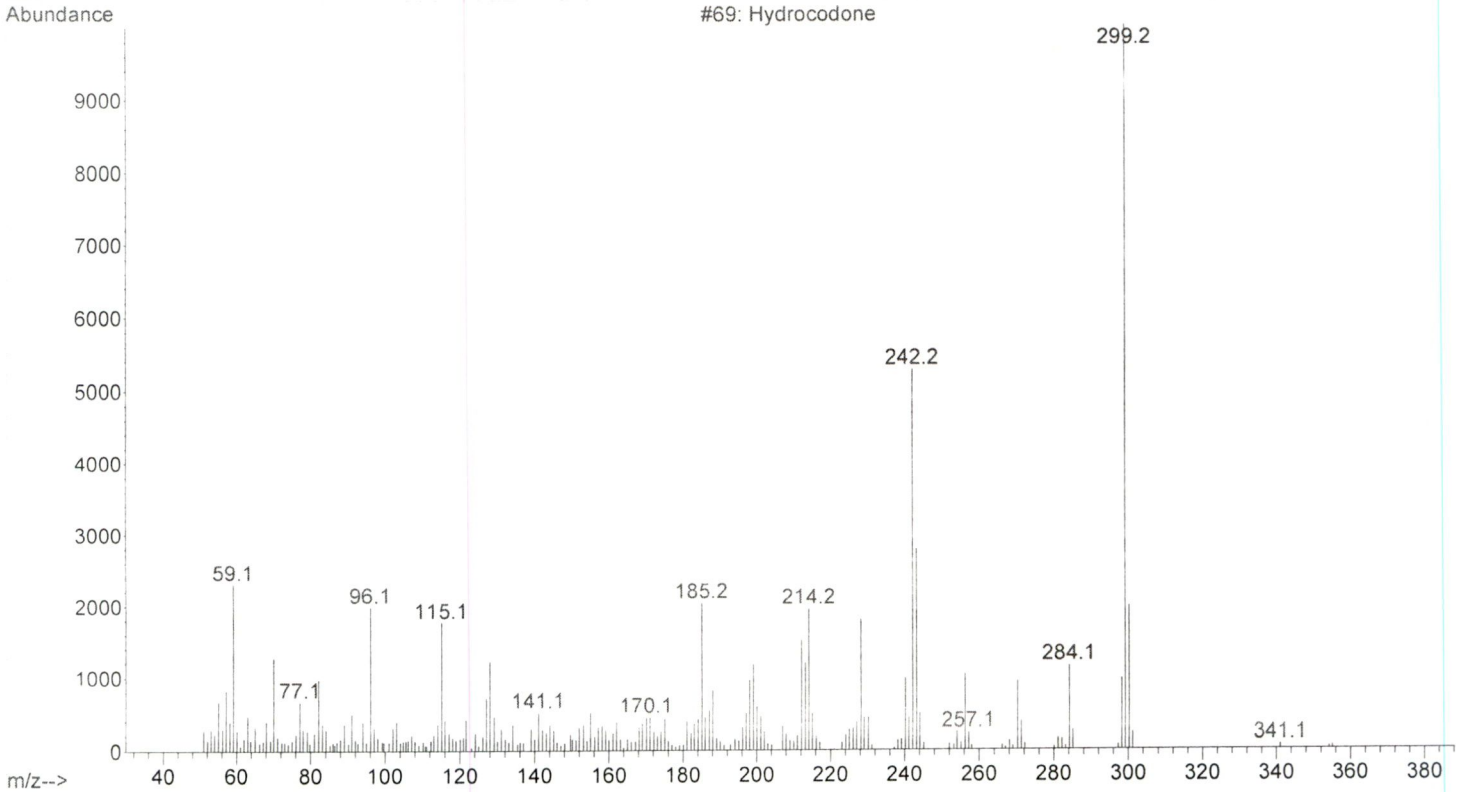
DrugTest35MS.M Tue May 07 21:53:06 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-019.D
Acquired : 07 May 2024 21:27 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Hydrocodone (S-23-023) 000005941
Misc Info : 000005941
Vial Number: 28

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

DS

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-020.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 21:56
Sample : Tramadol ~~(S-24-004)~~ R-24-004 DS
Misc :
ALS Vial : 29
ExpBcode : 000005993
ActBcode : 000005993

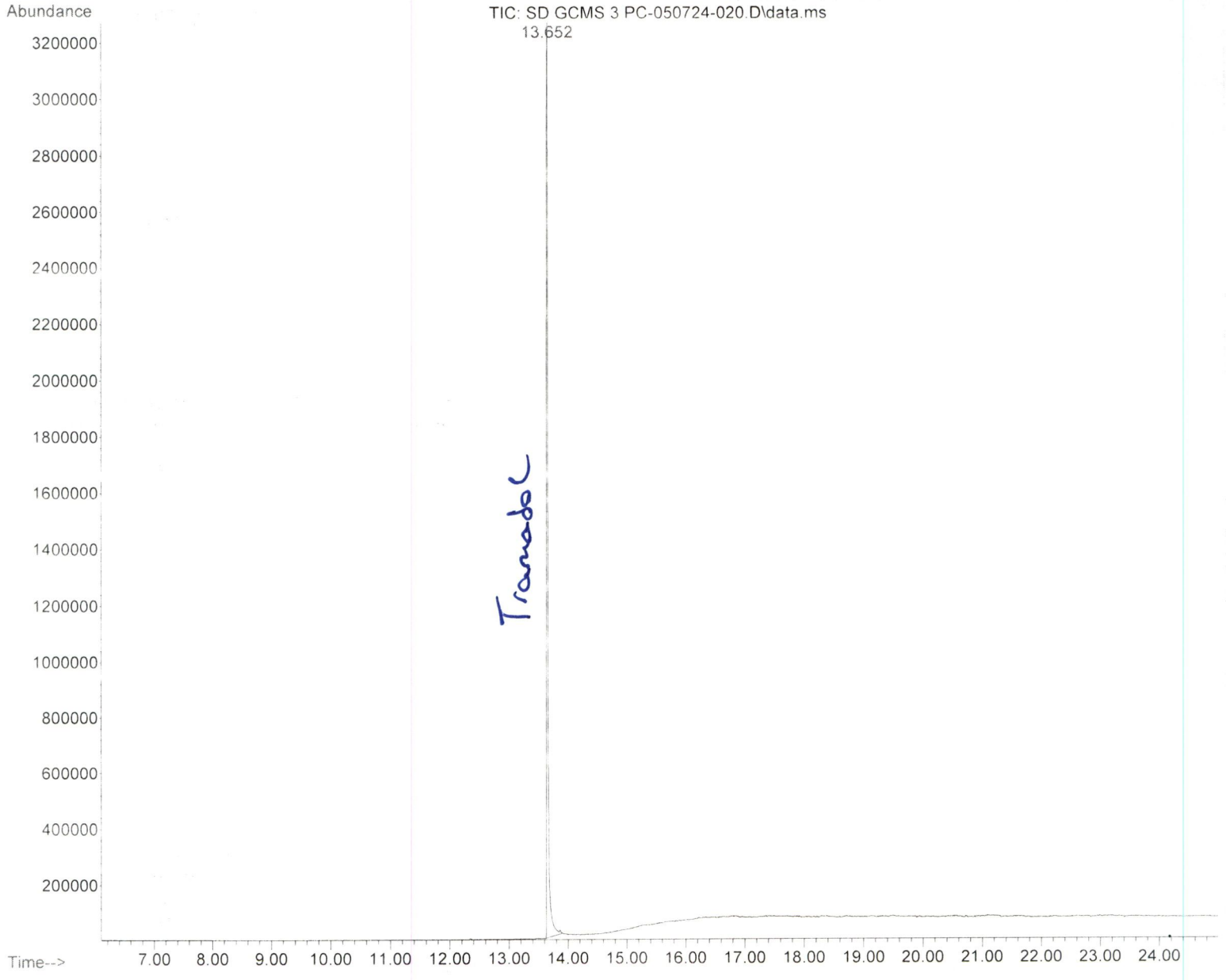
Signal : TIC: SD GCMS 3 PC-050724-020.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	13.652	1291	1298	1341	BB 2	3303455	51996796	100.00%	100.000%

Sum of corrected areas: 51996796

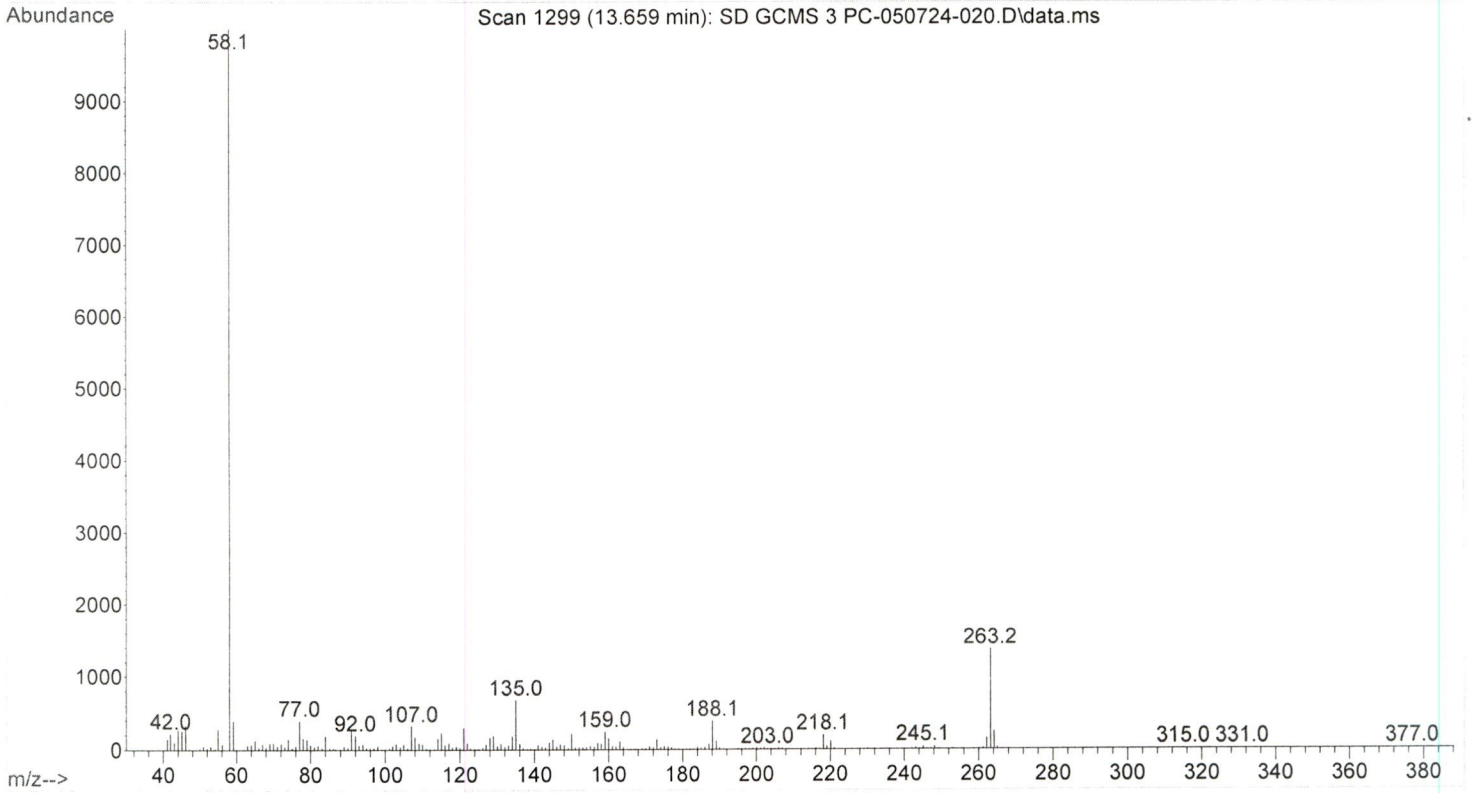
DrugTest35MS.M Tue May 07 22:21:47 2024 DRUGS

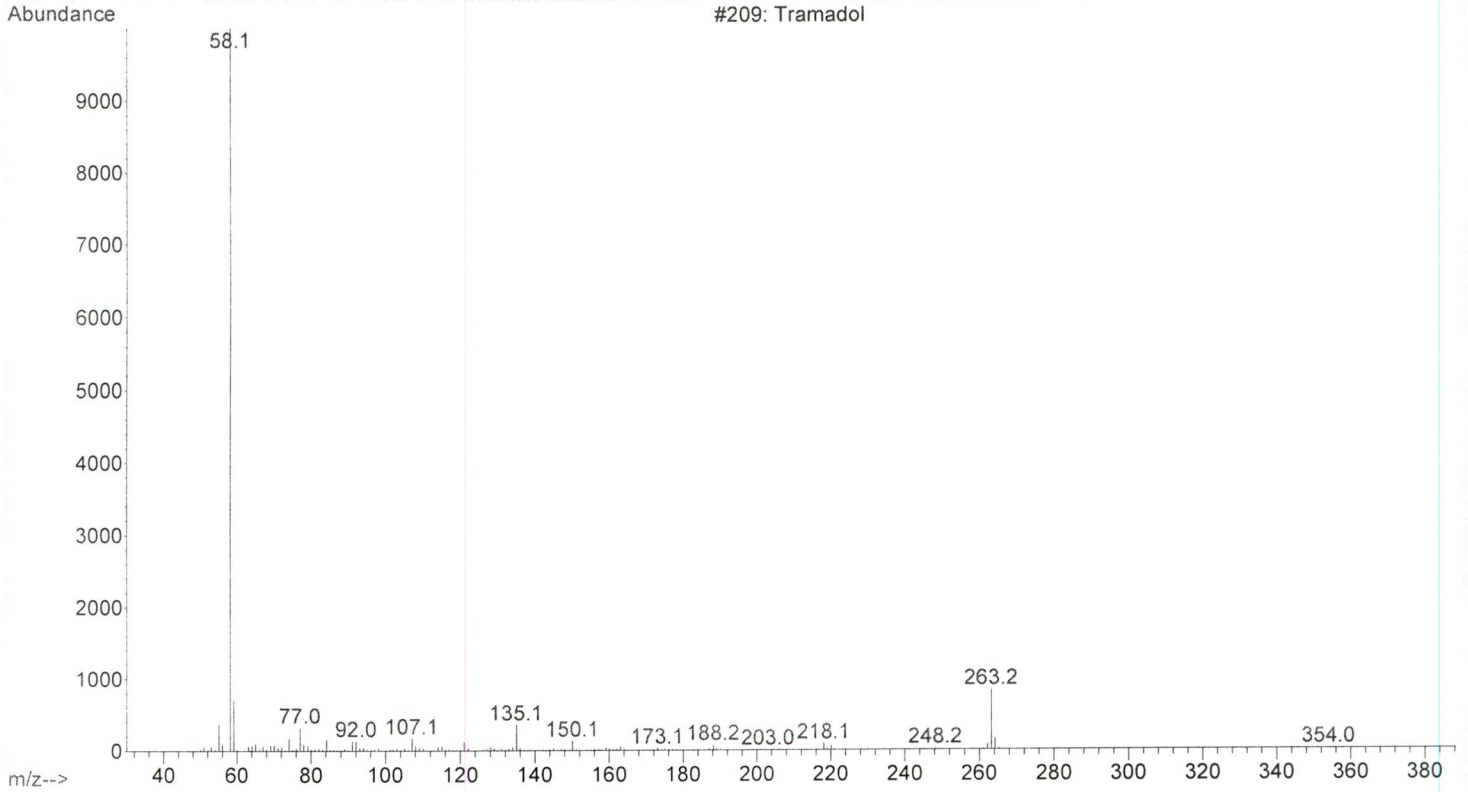


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-020.D
Acquired : 07 May 2024 21:56 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Tramadol (S-24-004) 000005993
Misc Info : 000005993
Vial Number: 29

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-021.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 22:25
Sample : Oxycodone (S-22-034)
Misc :
ALS Vial : 30
ExpBcode : 000002629
ActBcode : 000002629

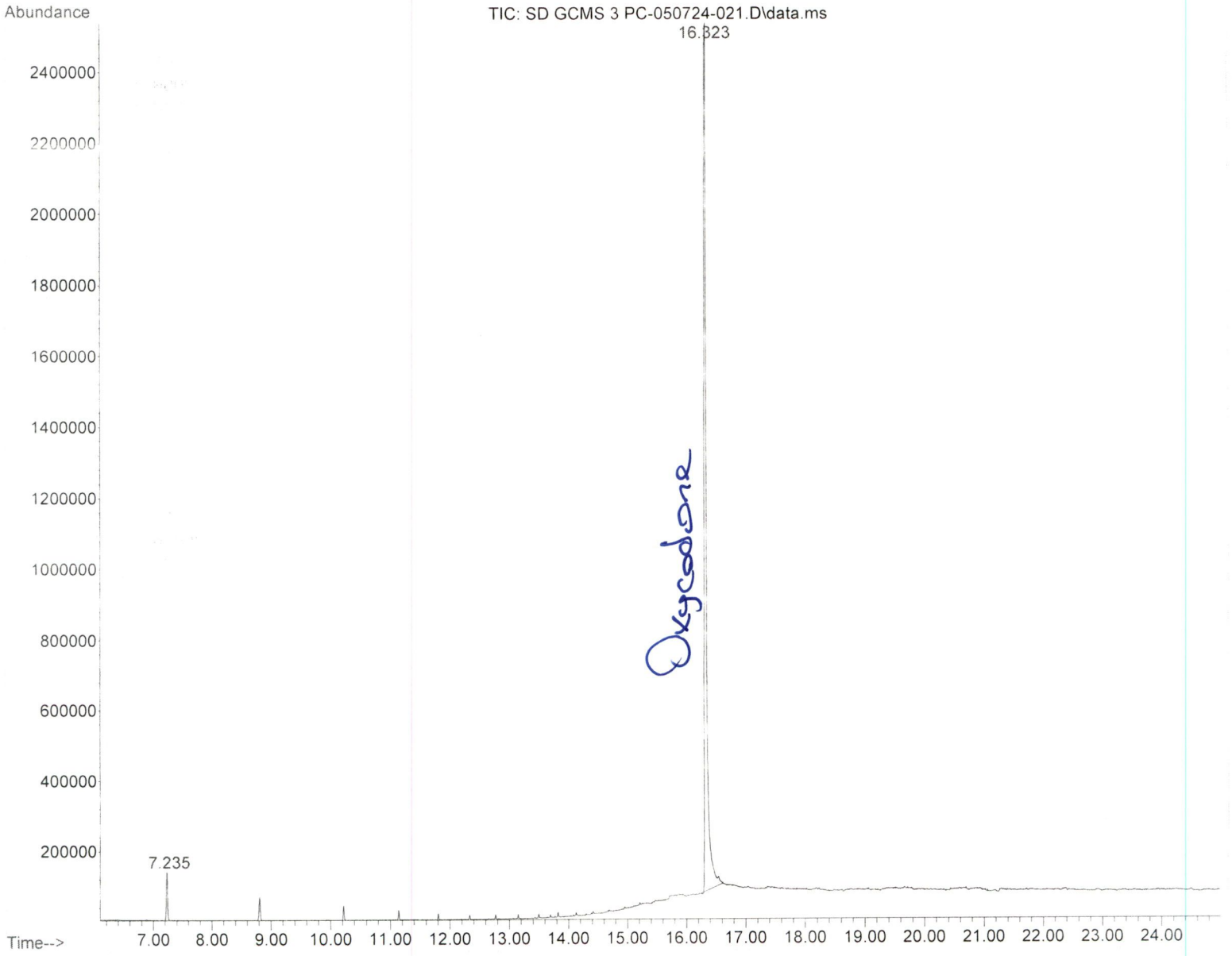
Signal : TIC: SD GCMS 3 PC-050724-021.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.235	188	197	207	BB	137998	2015967	3.17%	3.072%
2	16.323	1741	1756	1807	BB 2	2452923	63597774	100.00%	96.928%

MAY 0 8 2024

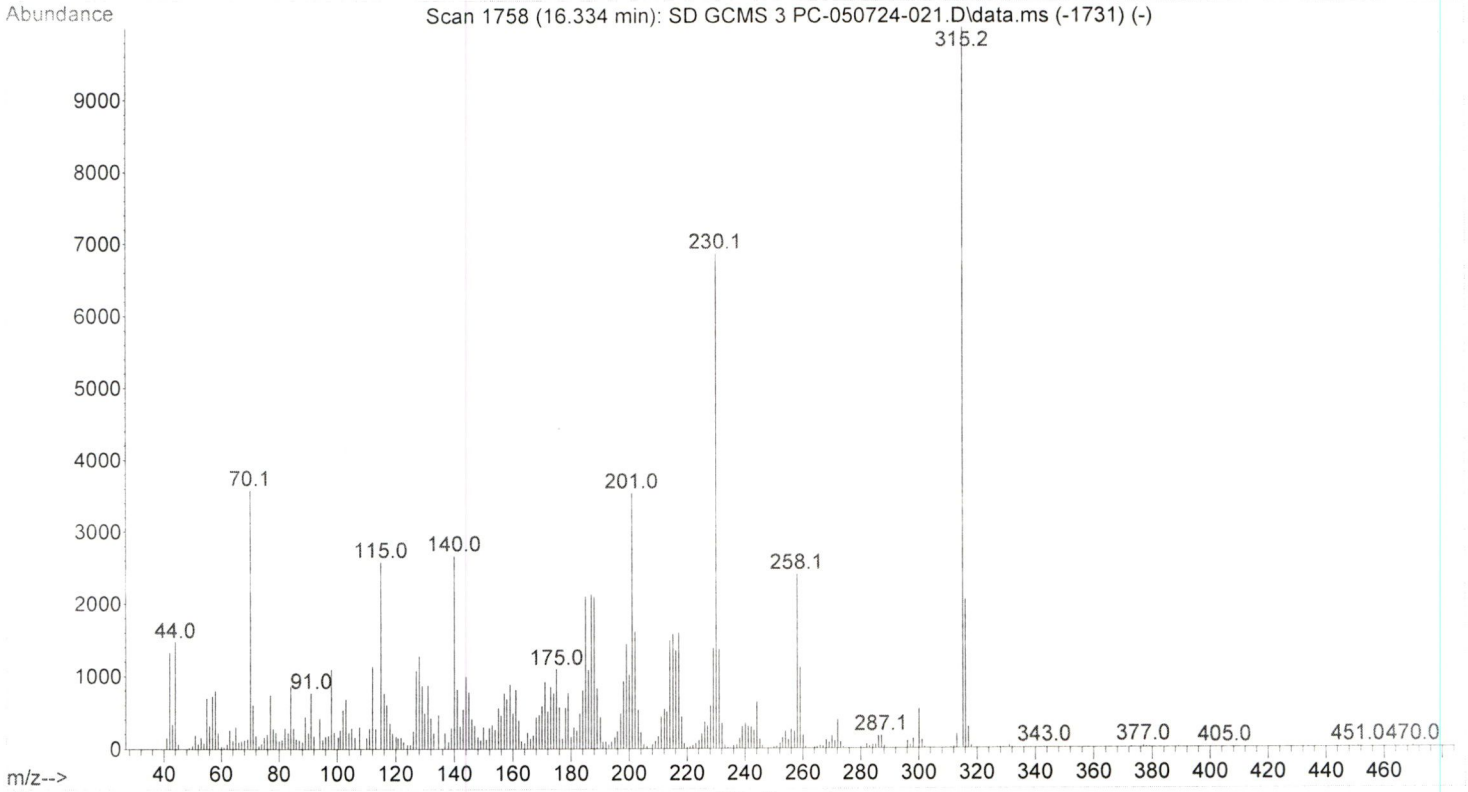
Sum of corrected areas: 65613740

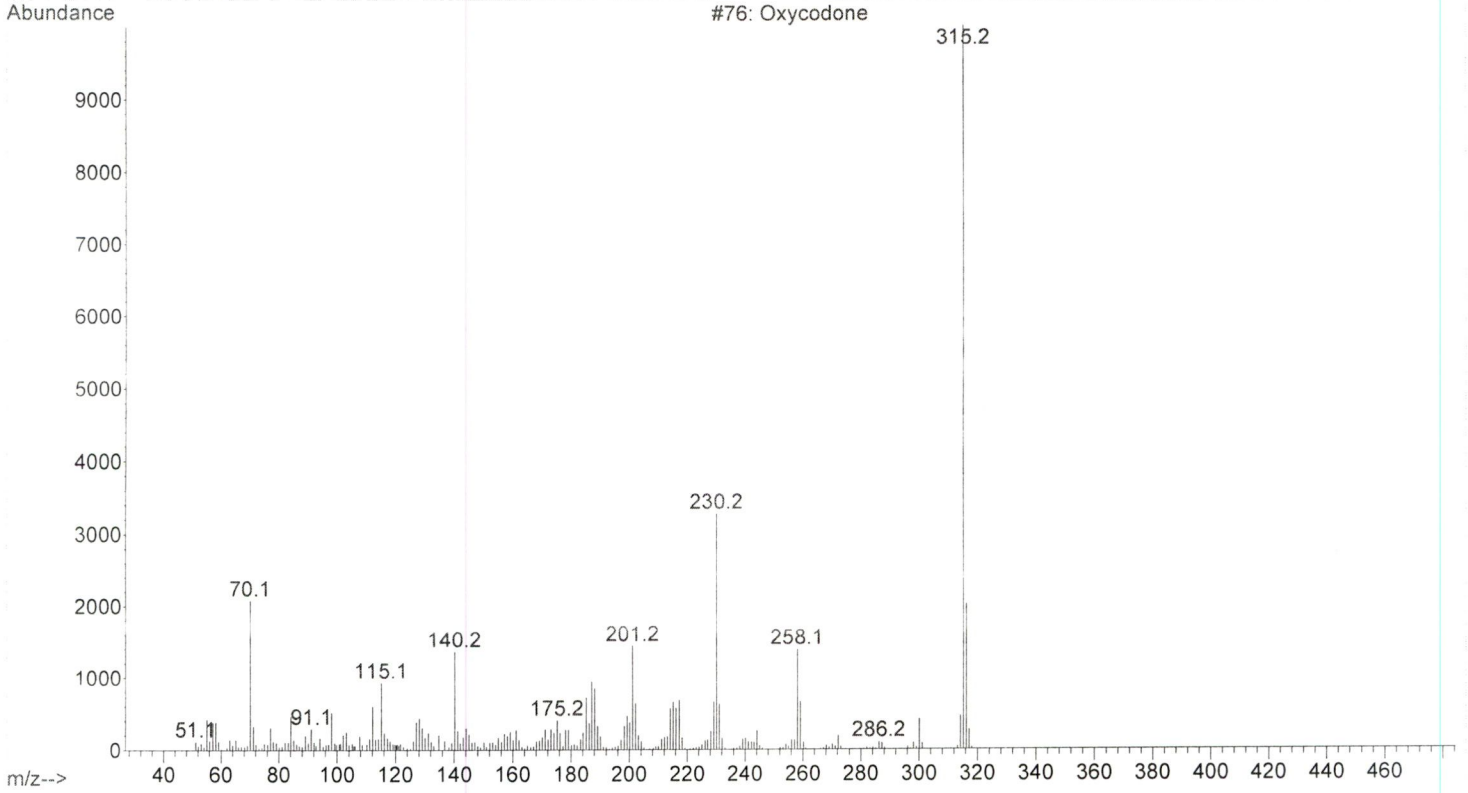
DrugTest35MS.M Tue May 07 22:50:38 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-021.D
Acquired : 07 May 2024 22:25 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Oxycodone (S-22-034) 000002629
Misc Info : 000002629
Vial Number: 30

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

DS

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-022.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 22:54
Sample : Codeine (~~S-23-022~~) R.23.022
Misc :
ALS Vial : 31
ExpBcode : 000005945
ActBcode : 000005945

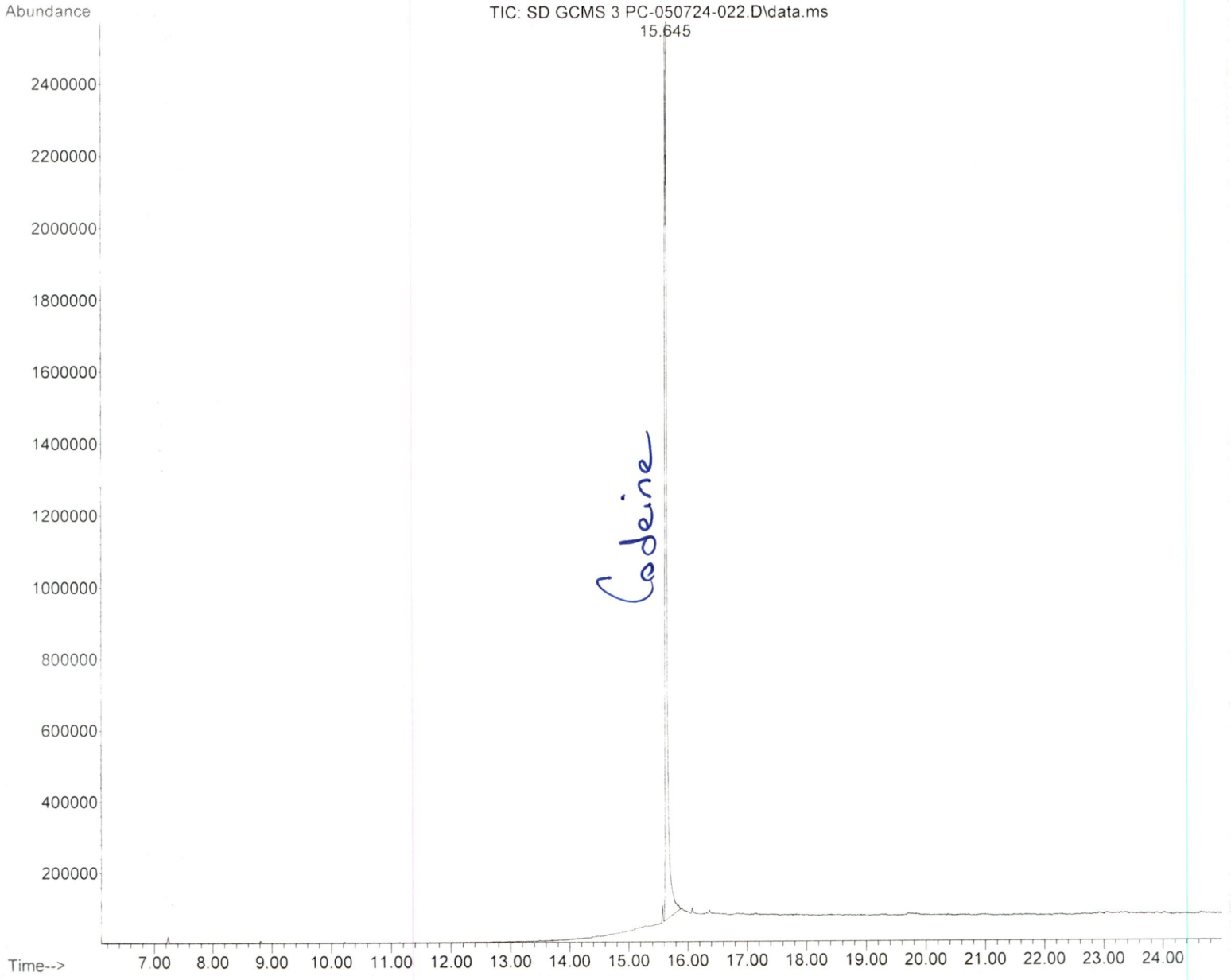
Signal : TIC: SD GCMS 3 PC-050724-022.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	15.645	1631	1640	1680	PB 4	2255883	62761324	100.00%	100.000%

MAY 08 2024

Sum of corrected areas: 62761324

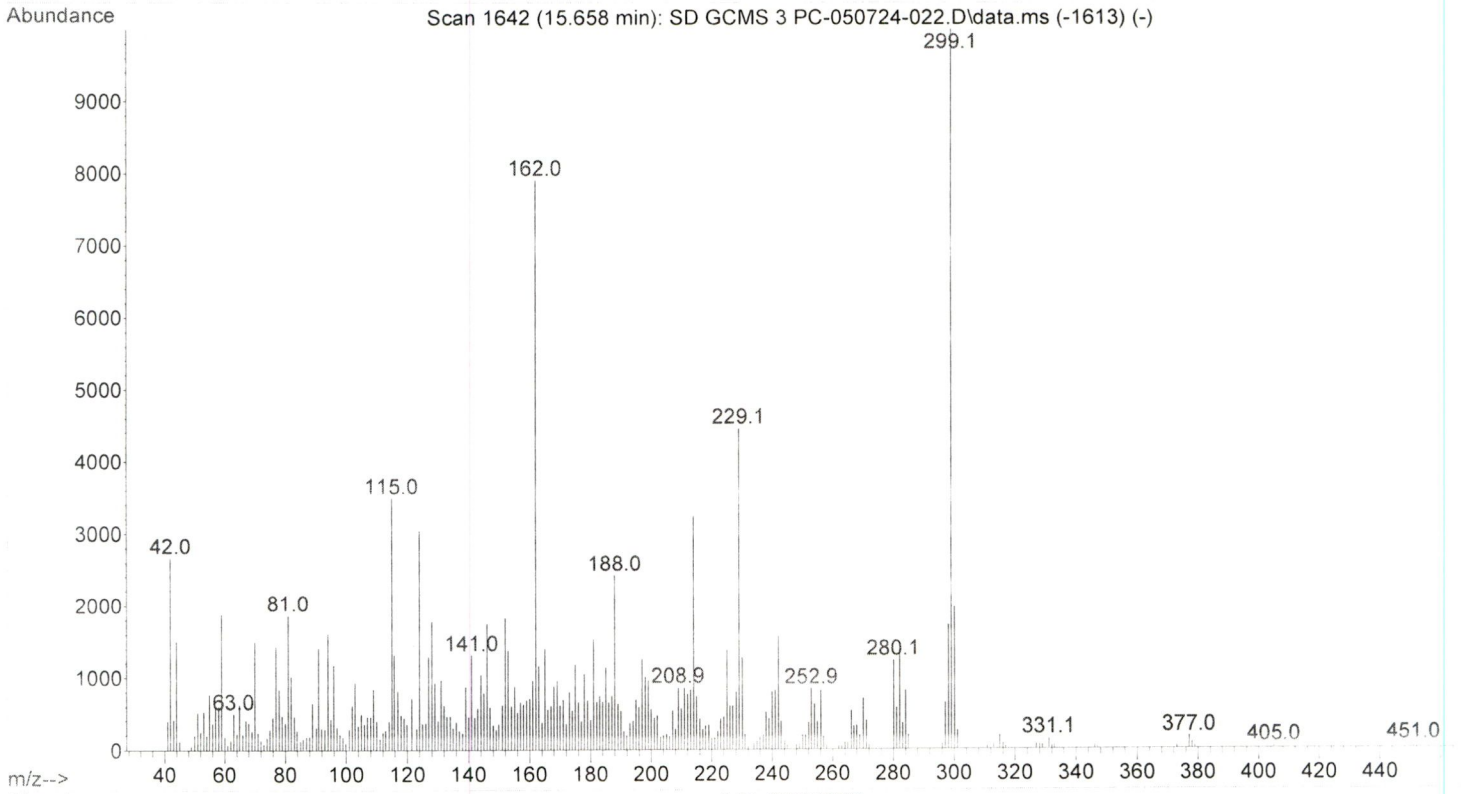
DrugTest35MS.M Tue May 07 23:19:22 2024 DRUGS

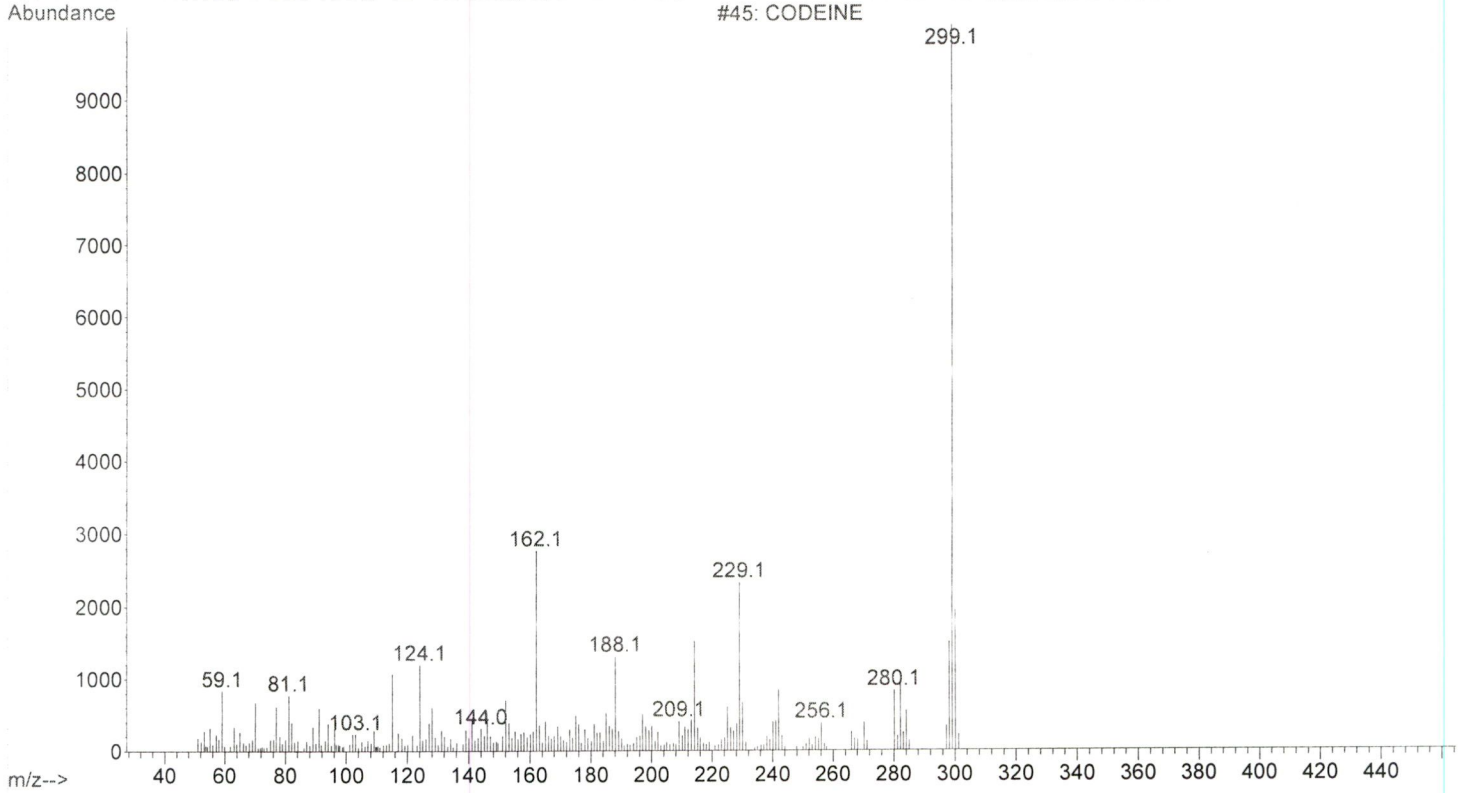


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-022.D
Acquired : 07 May 2024 22:54 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Codeine (~~S-23-022~~) DS 000005945
Misc Info : R.23.022 000005945
Vial Number: 31

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK010.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 23:22
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

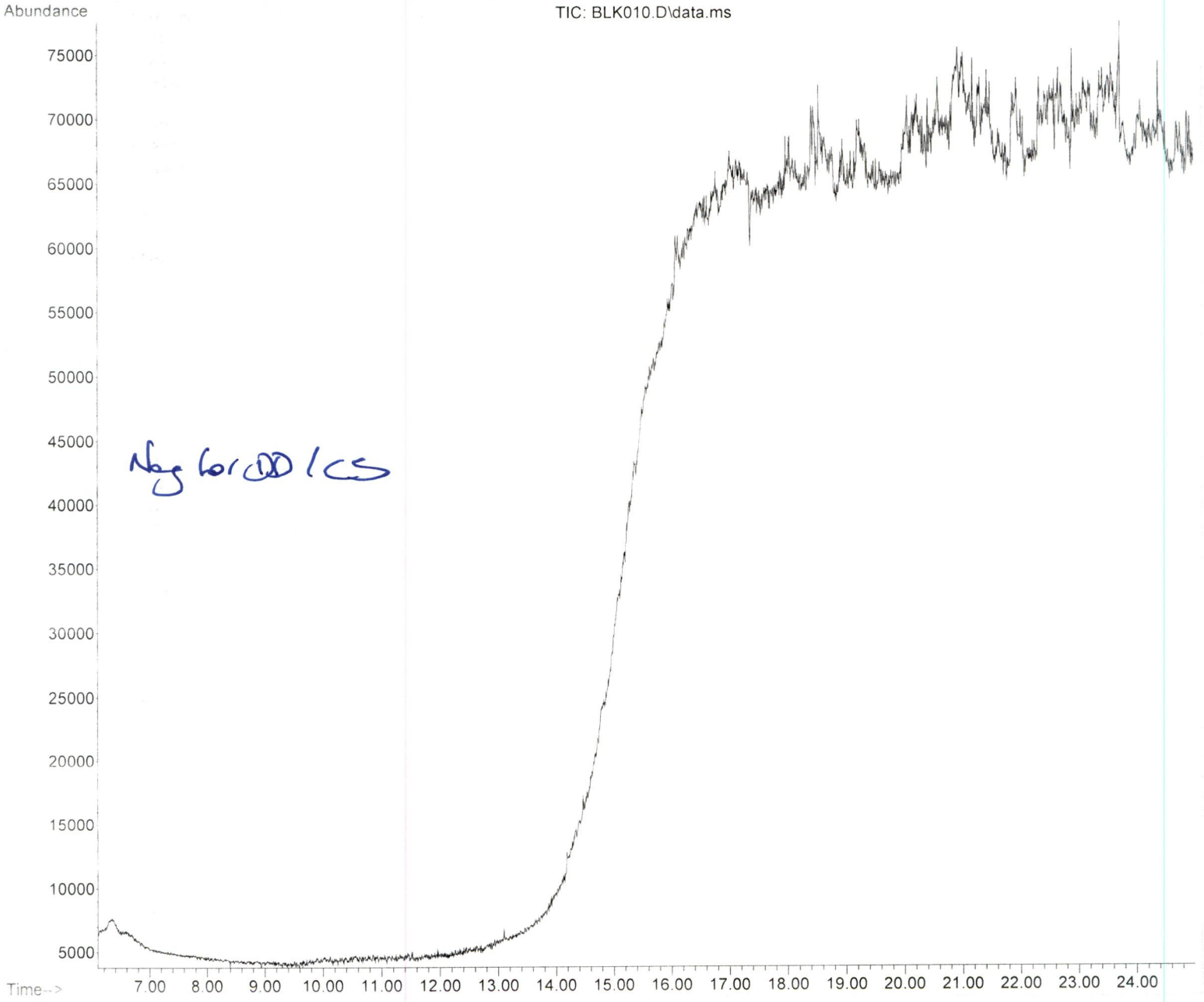
Signal : TIC: BLK010.D\data.ms

MAY 0 8 2024

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 Tue May 07 23:48:06 2024 DRUGS



Neg for DD / CS

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-023.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 07 May 2024 23:51
Sample : p-fluoro-Fentanyl (~~S-22-062~~ S-22-063)
Misc :
ALS Vial : 32
ExpBcode : 000002249
ActBcode : 000002249

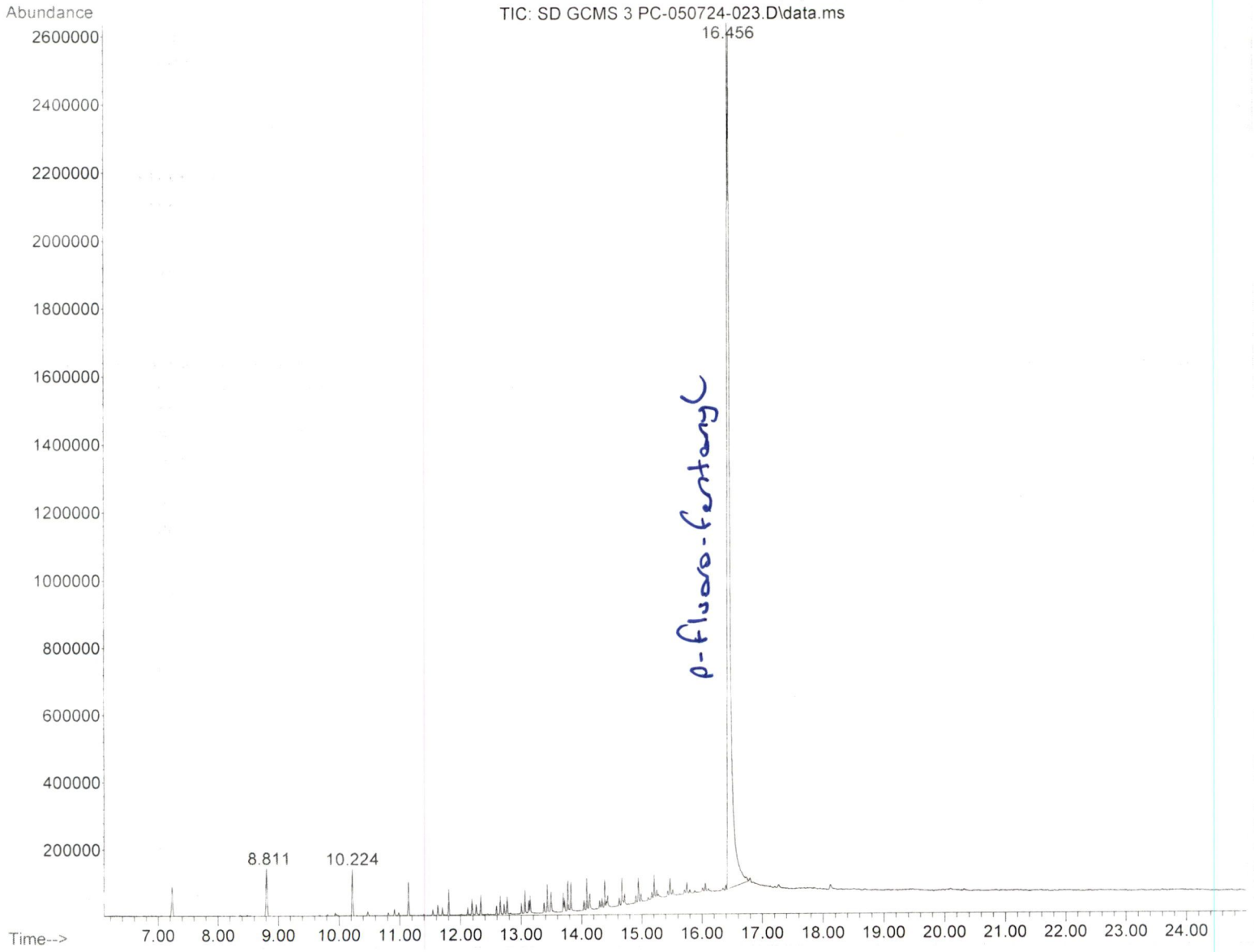
Signal : TIC: SD GCMS 3 PC-050724-023.D\data.ms

MAY 08 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.811	458	467	480	BB	134654	1997105	2.43%	2.334%
2	10.224	704	710	718	BB	132367	1498027	1.83%	1.751%
3	16.456	1765	1779	1833	PV 2	2526769	82067910	100.00%	95.915%

Sum of corrected areas: 85563042

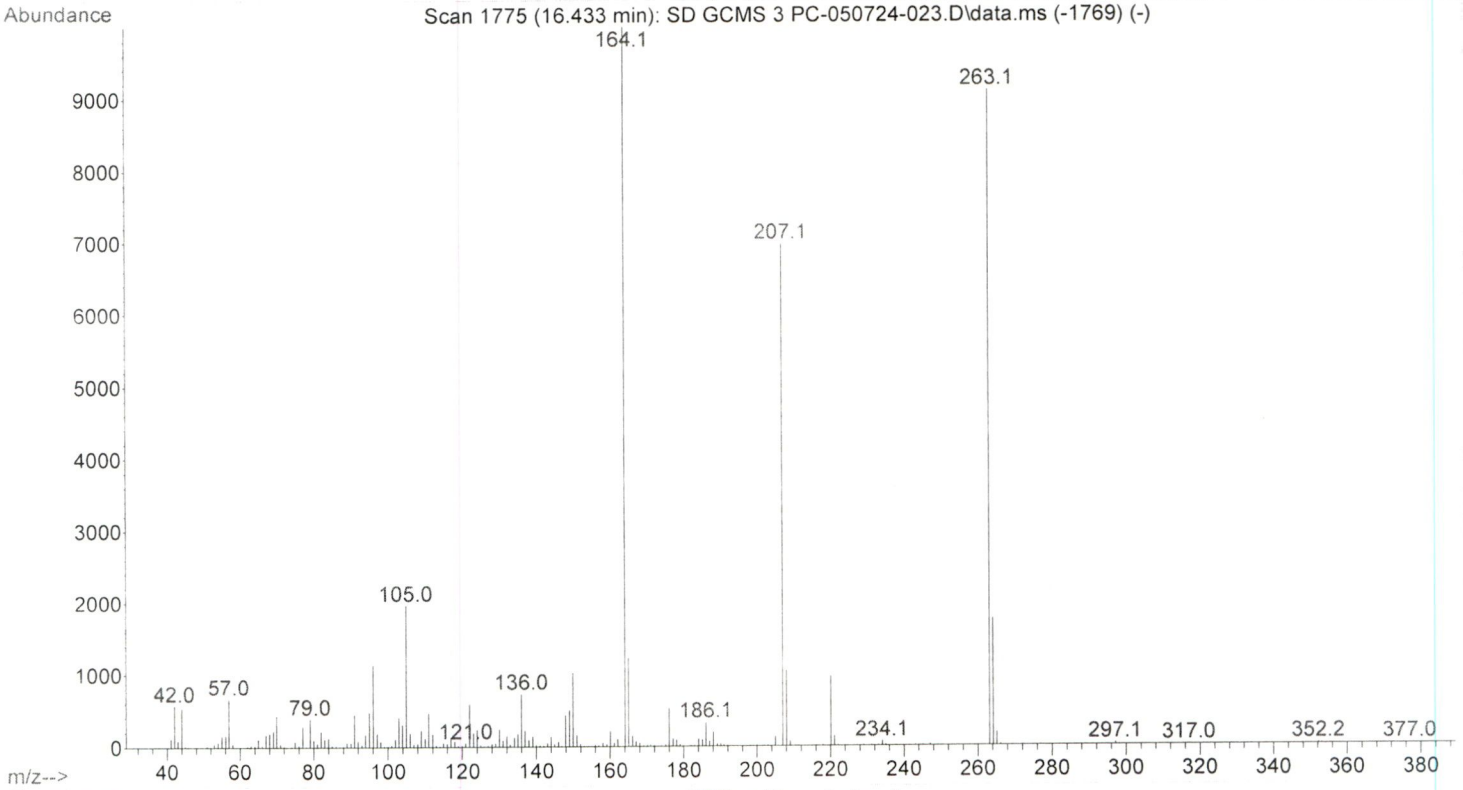
DrugTest35MS.M Wed May 08 00:16:57 2024 DRUGS

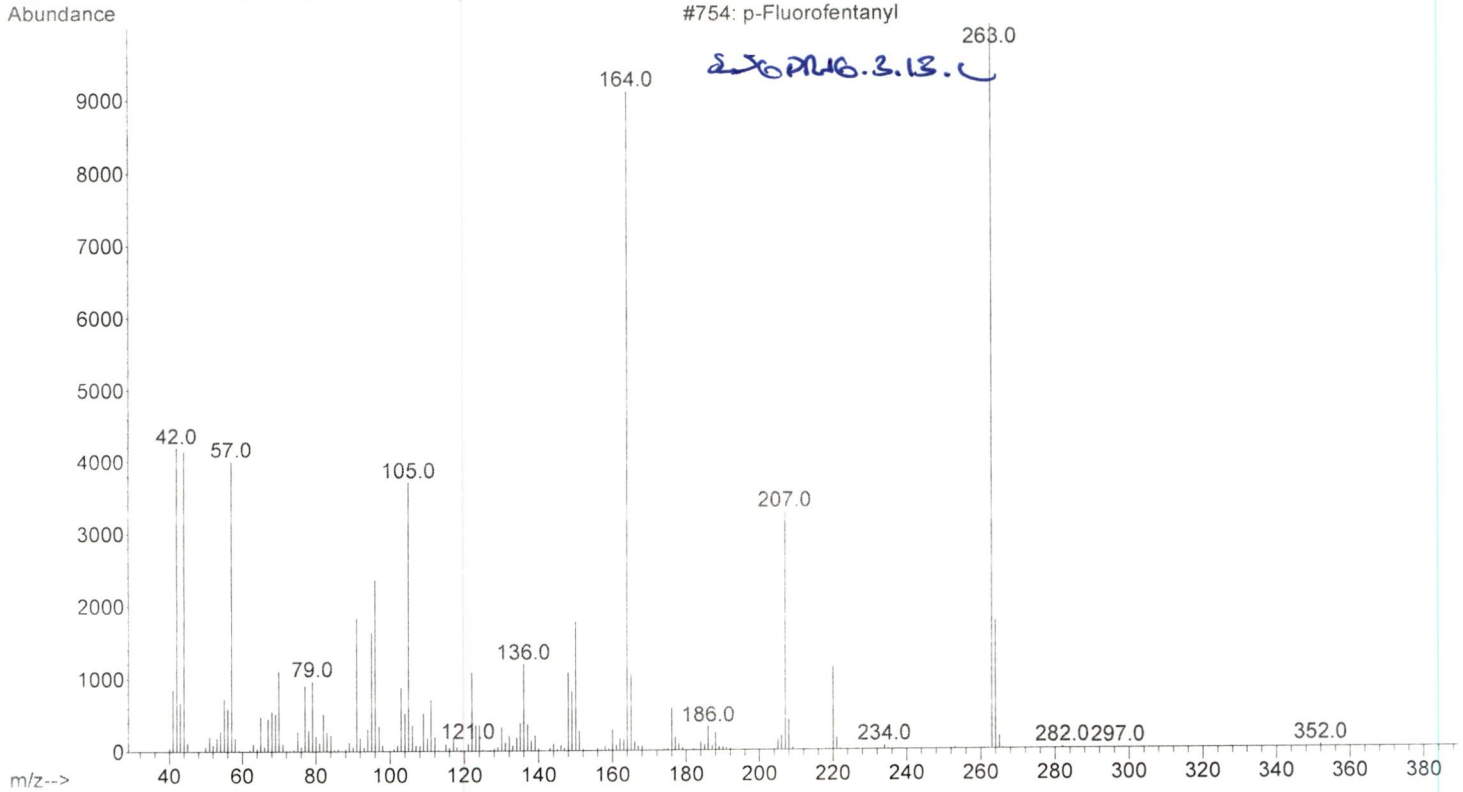


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-023.D
Acquired : 07 May 2024 23:51 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: p-fluoro-Fentanyl (~~S-22-062~~) DS 000002249
Misc Info : S-22-063 000002249
Vial Number: 32

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

DS

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-024.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 00:20
Sample : o-fluoro-Fentanyl (~~S-22-063~~) DS
S-22-062
Misc :
ALS Vial : 33
ExpBcode : 000002250
ActBcode : 000002250

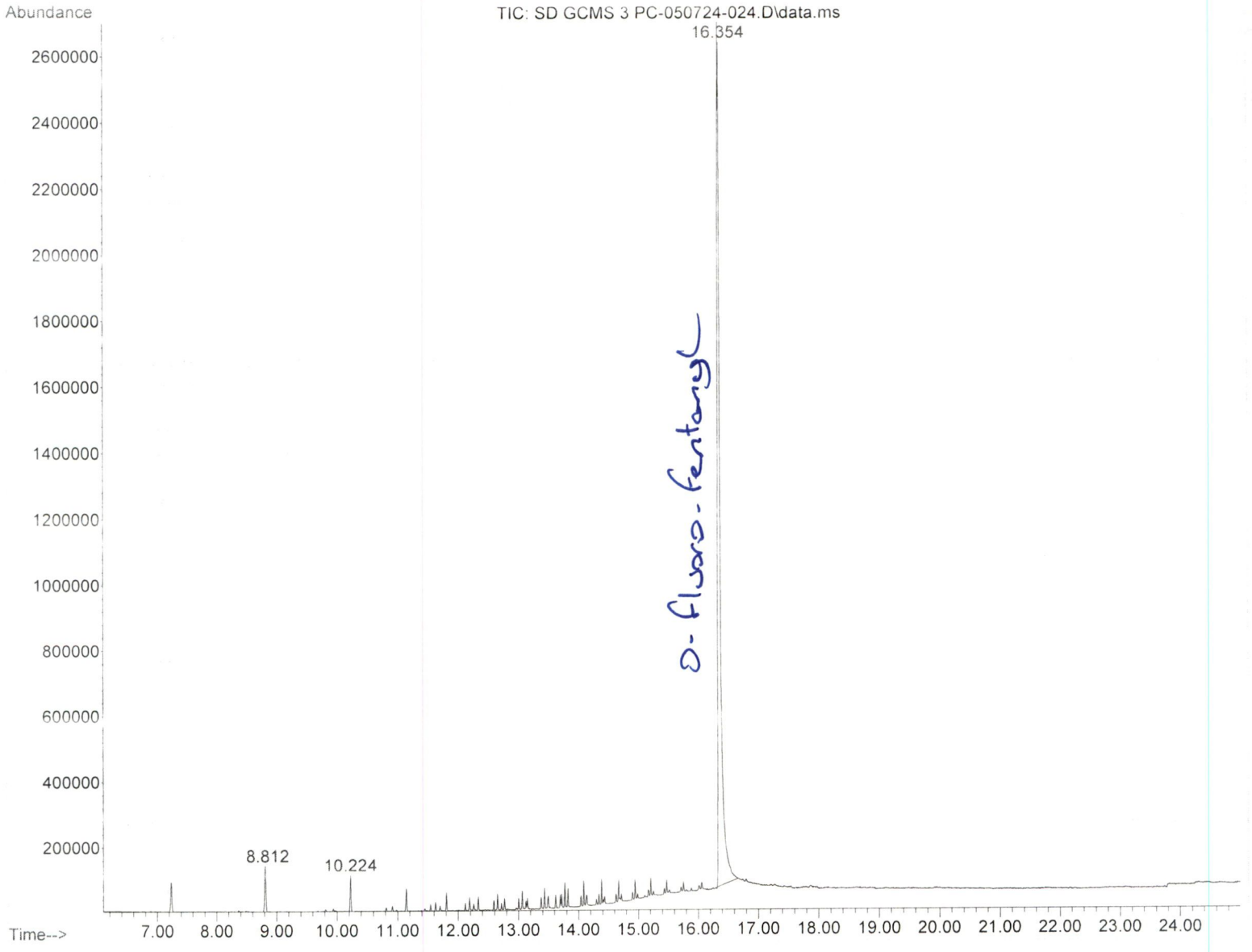
Signal : TIC: SD GCMS 3 PC-050724-024.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.812	460	467	476	BB	134040	1971922	2.48%	2.385%
2	10.224	703	710	719	BB	105557	1187454	1.49%	1.436%
3	16.354	1746	1761	1815	BB 3	2488099	79508079	100.00%	96.178%

Sum of corrected areas: 82667455

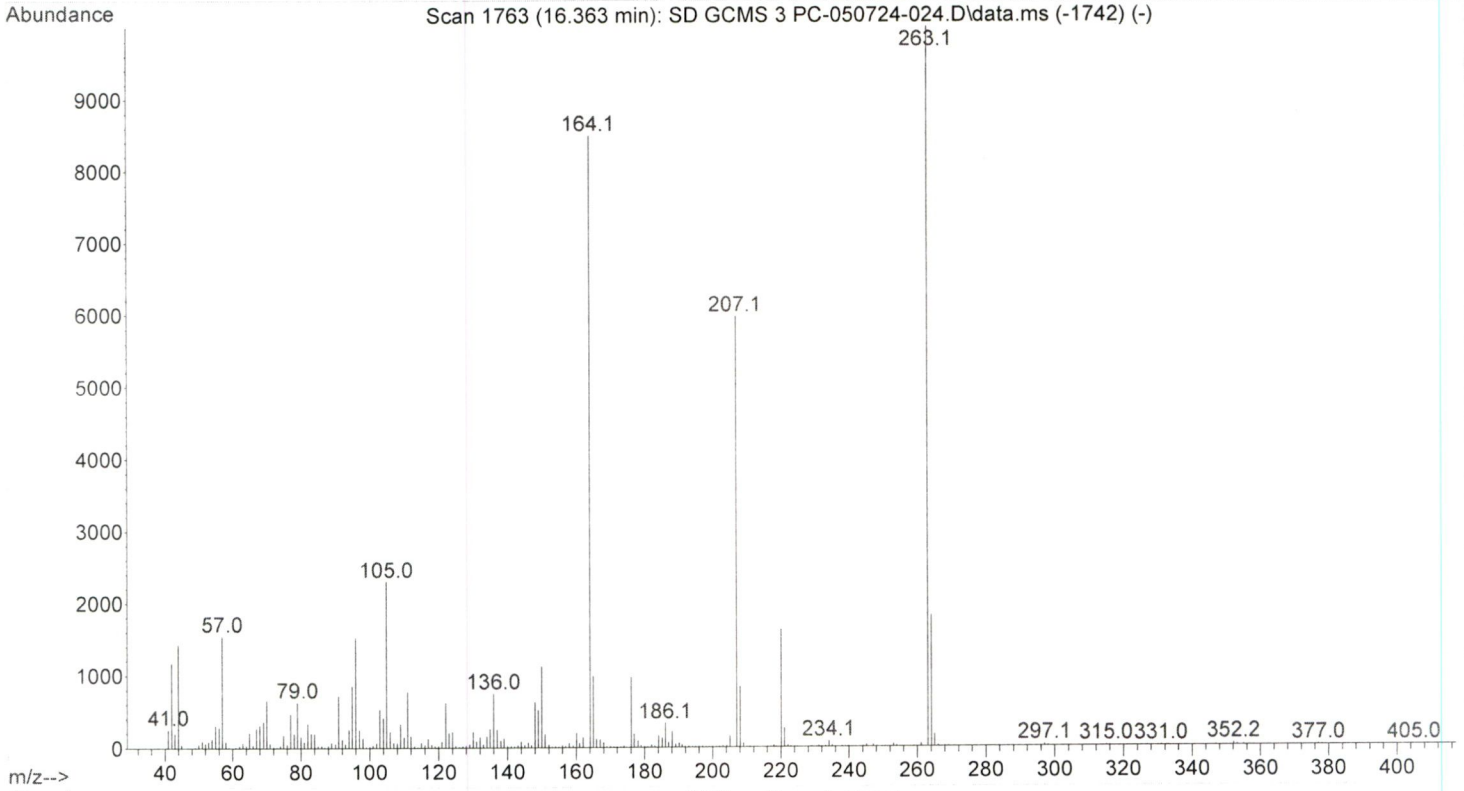
DrugTest35MS.M Wed May 08 00:45:41 2024 DRUGS

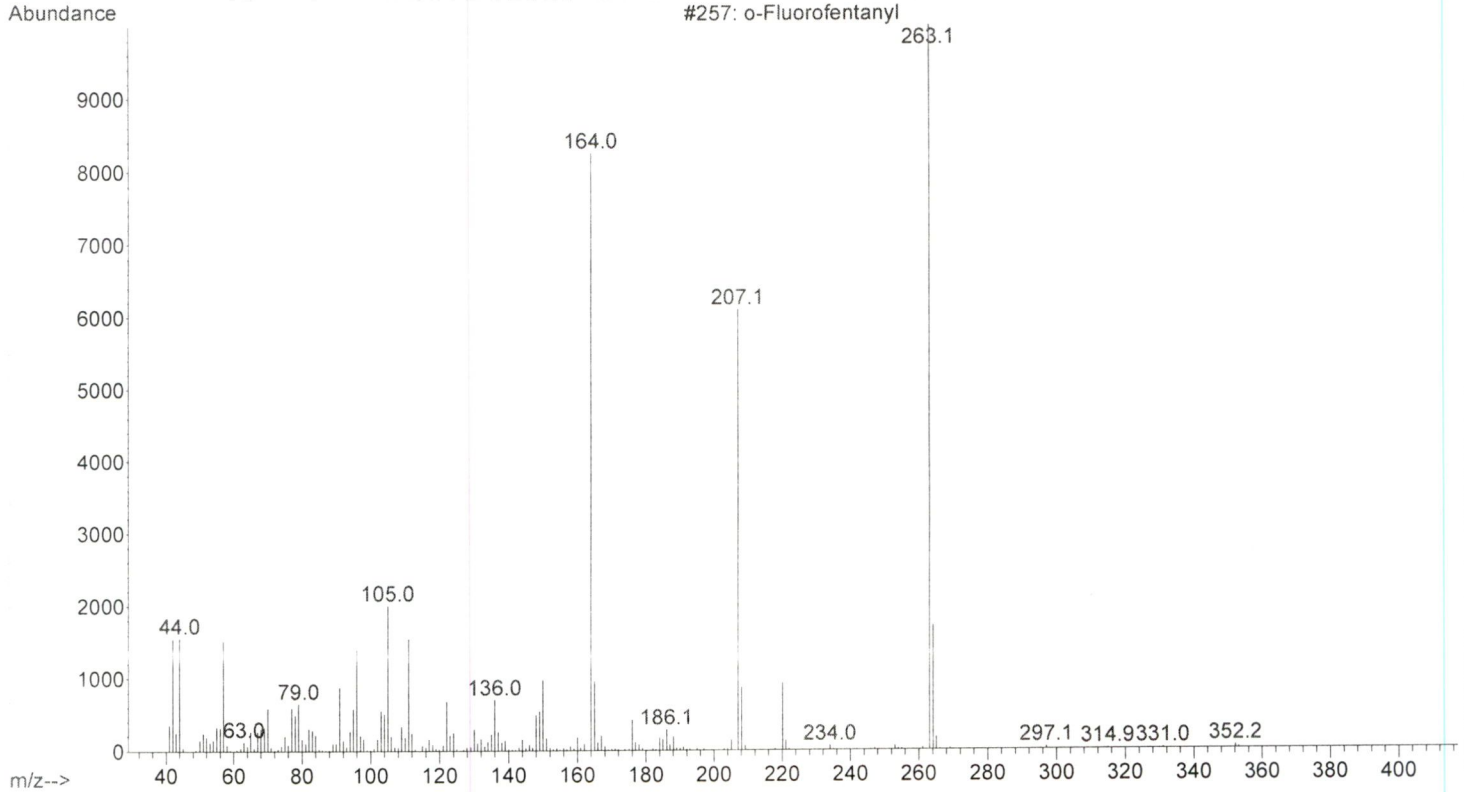


25

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-024.D
Acquired : 08 May 2024 00:20 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: o-fluoro-Fentanyl (~~S-22-063~~) DS 000002250
Misc Info : S-22-062 000002250
Vial Number: 33

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-025.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 00:49
Sample : m-fluoro-Fentanyl (S-22-065) - EXPIRED STD
Misc :
ALS Vial : 34
ExpBcode : 000002251
ActBcode : 000002251

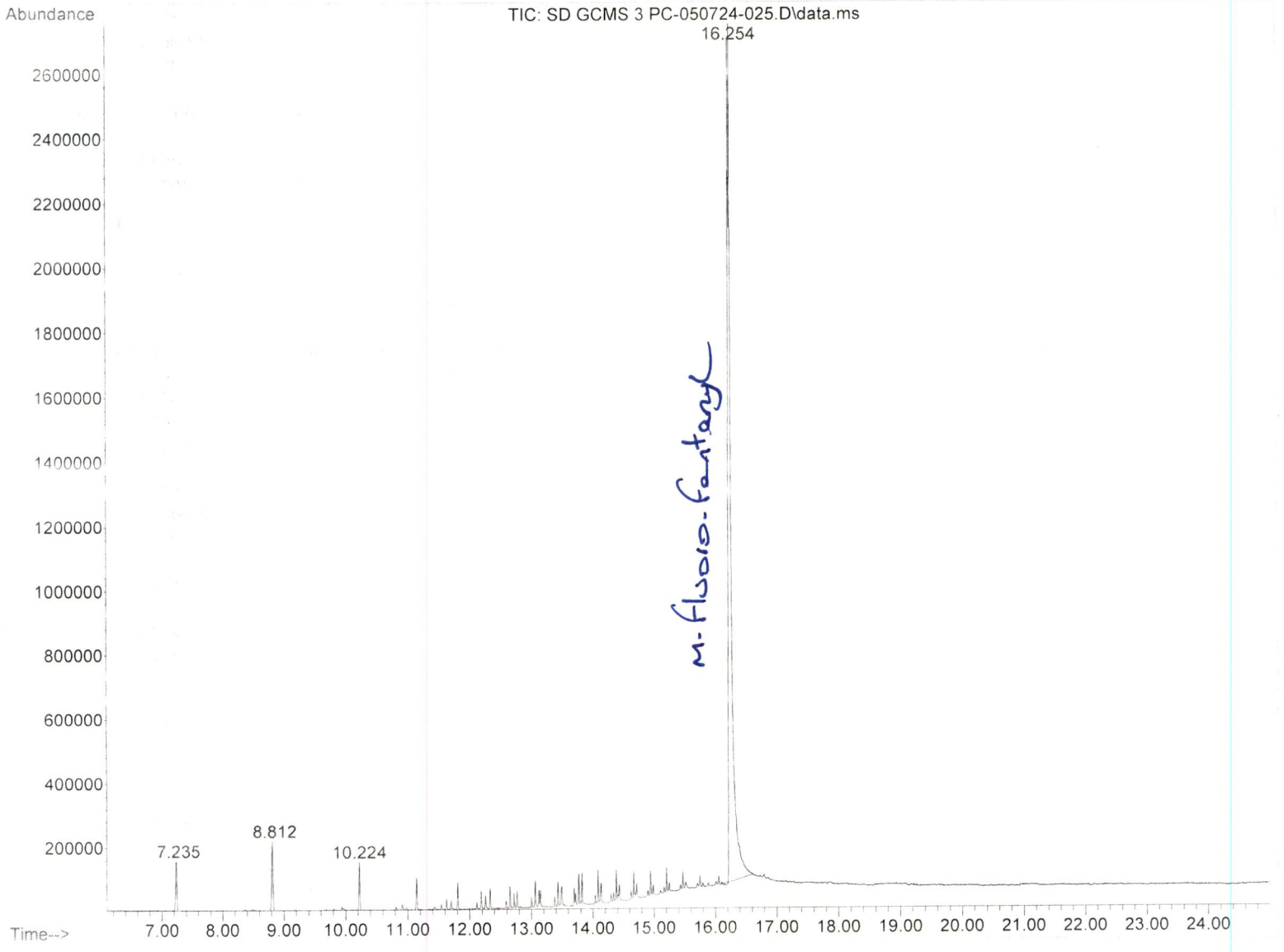
Signal : TIC: SD GCMS 3 PC-050724-025.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.235	190	197	209	BB	153238	2249107	2.46%	2.286%
2	8.812	459	467	481	BB	205499	3050426	3.34%	3.101%
3	10.224	704	710	718	BB	140984	1602056	1.75%	1.629%
4	16.254	1715	1744	1806	BB 3	2609322	91463904	100.00%	92.984%

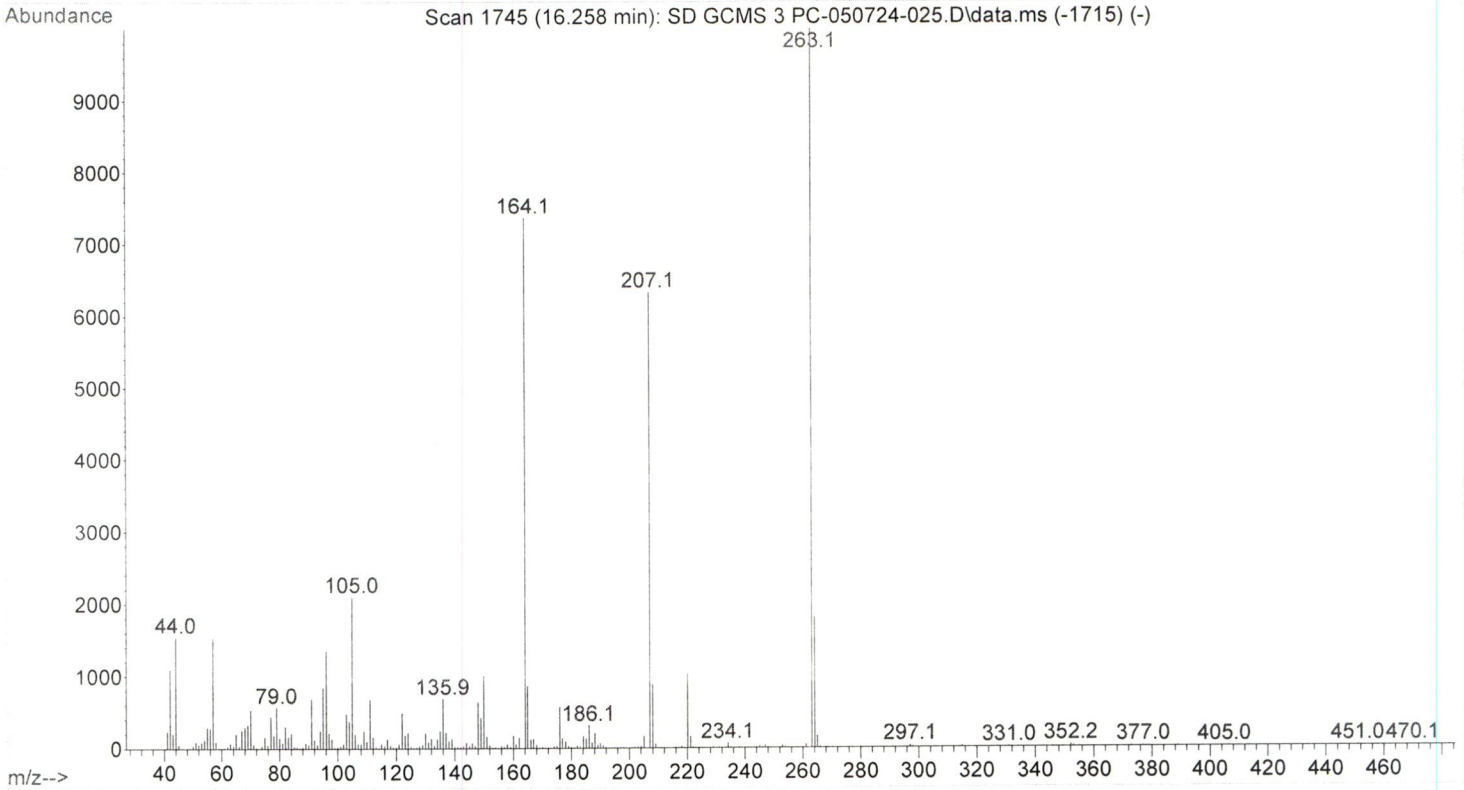
Sum of corrected areas: 98365493

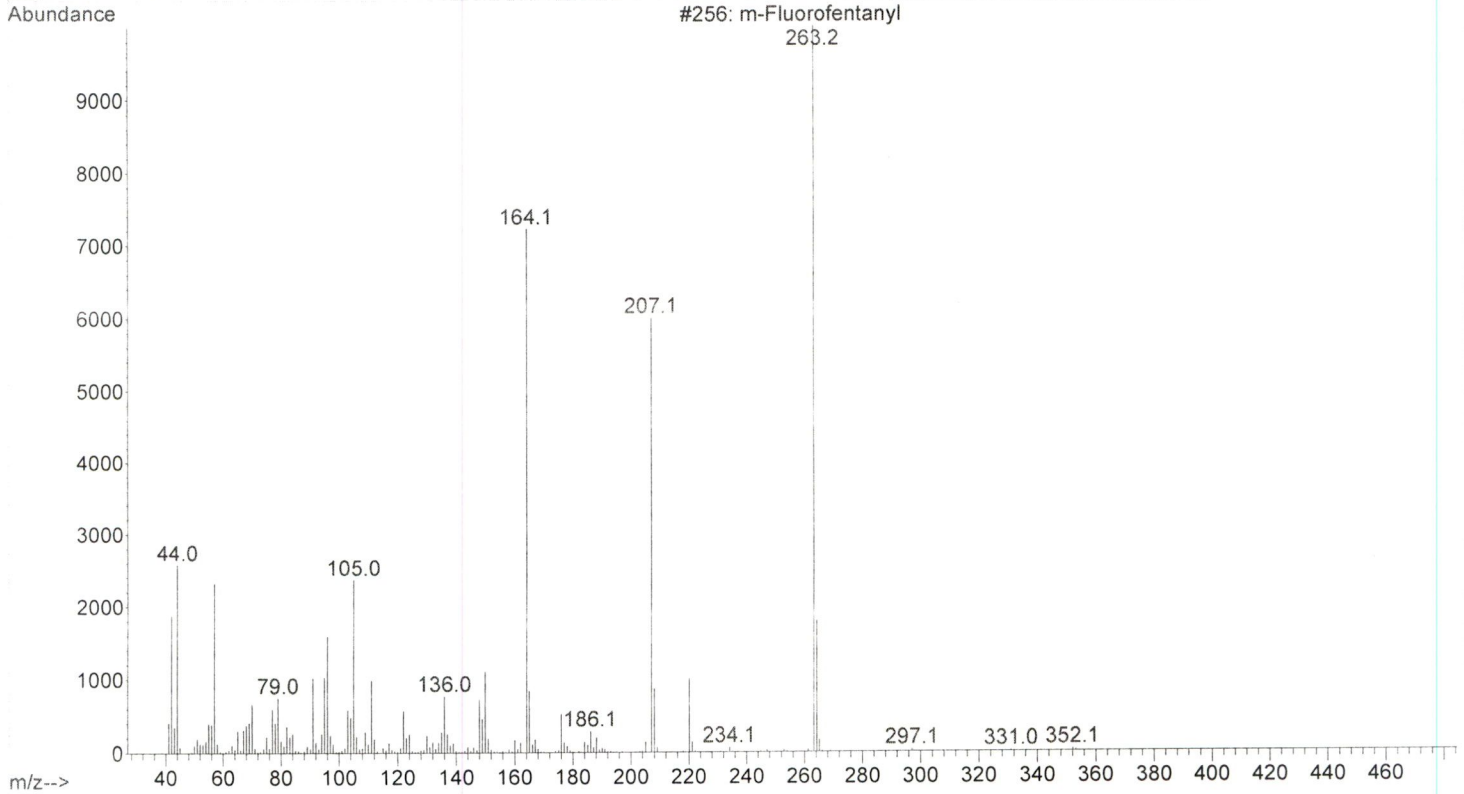
DrugTest35MS.M Wed May 08 01:14:22 2024 DRUGS



```
File       :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
...         ication\050724\SD GCMS 3 PC-050724-025.D
Acquired   : 08 May 2024  00:49     using AcqMethod DrugTest35MS.M
Instrument :   GCMS #4
Sample Name: m-fluoro-Fentanyl (S-22-065) - EXPIRED STD     000002251
Misc Info  :                                                000002251
Vial Number: 34
```

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

DS

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-026.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 01:18
Sample : Testosterone enanthate (R-18-041)
Misc :
ALS Vial : 35
ExpBcode : 000002268
ActBcode : 000002268

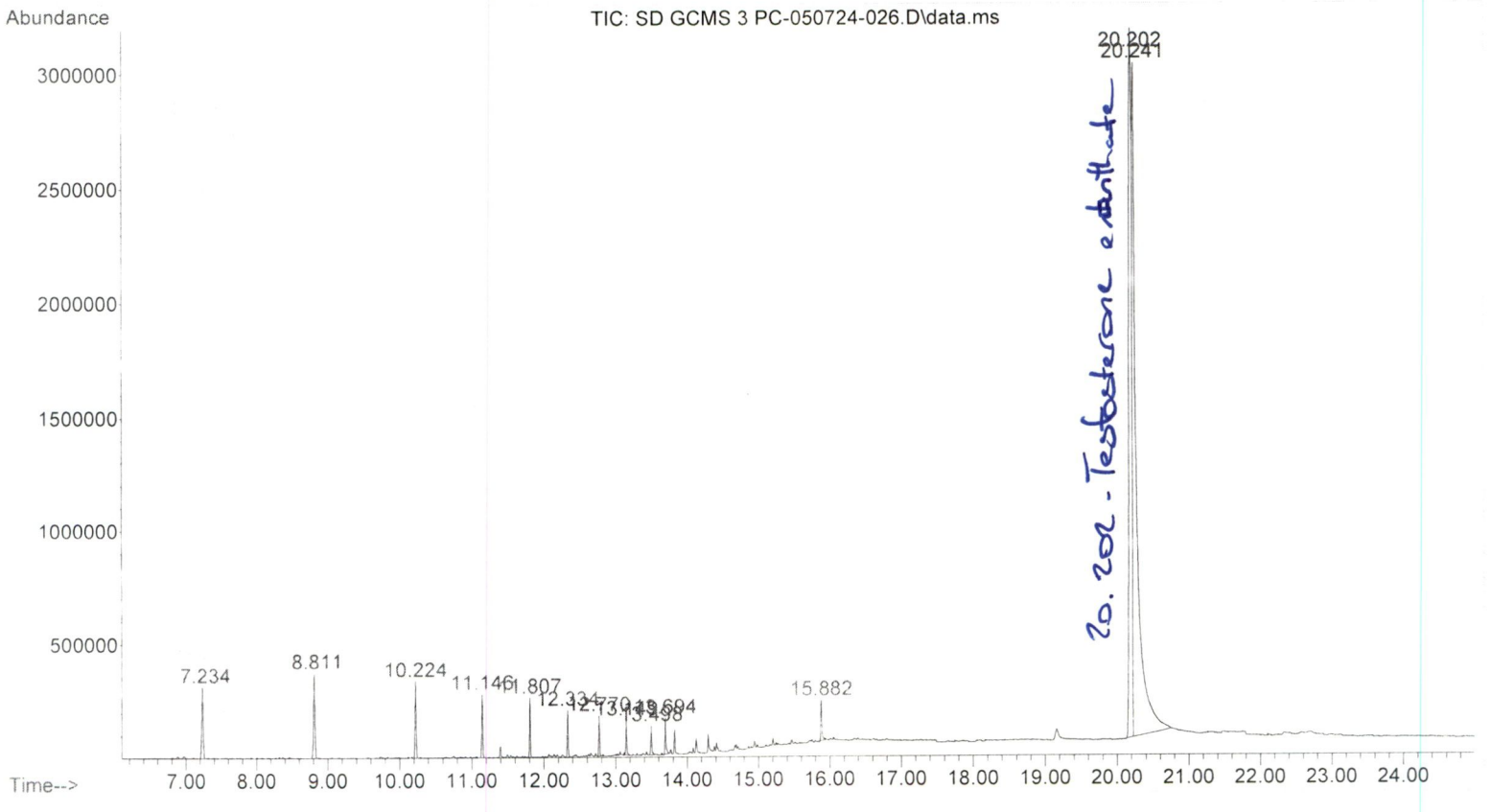
Signal : TIC: SD GCMS 3 PC-050724-026.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.234	188	197	205	BB	309905	4532073	3.77%	1.930%
2	8.811	455	467	474	BB	354527	5301716	4.41%	2.258%
3	10.224	687	710	717	BB	323495	3755251	3.12%	1.599%
4	11.146	860	868	880	BB	280069	2778705	2.31%	1.183%
5	11.807	976	981	987	BB	238601	2136956	1.78%	0.910%
6	12.334	1067	1072	1081	BB	189406	1741220	1.45%	0.742%
7	12.770	1143	1146	1160	BB	156133	1516467	1.26%	0.646%
8	13.149	1201	1212	1223	BB	139213	1388521	1.15%	0.591%
9	13.498	1265	1271	1283	BB 2	116588	1228353	1.02%	0.523%
10	13.694	1292	1305	1315	BV 2	151869	1640653	1.36%	0.699%
11	15.882	1669	1680	1694	BB	161770	1820492	1.51%	0.775%
12	20.202	2399	2422	2426	BV 6	3095303	86733482	72.14%	36.940%
13	20.241	2426	2428	2516	VB 3	2942104	120224700	100.00%	51.203%

Sum of corrected areas: 234798588

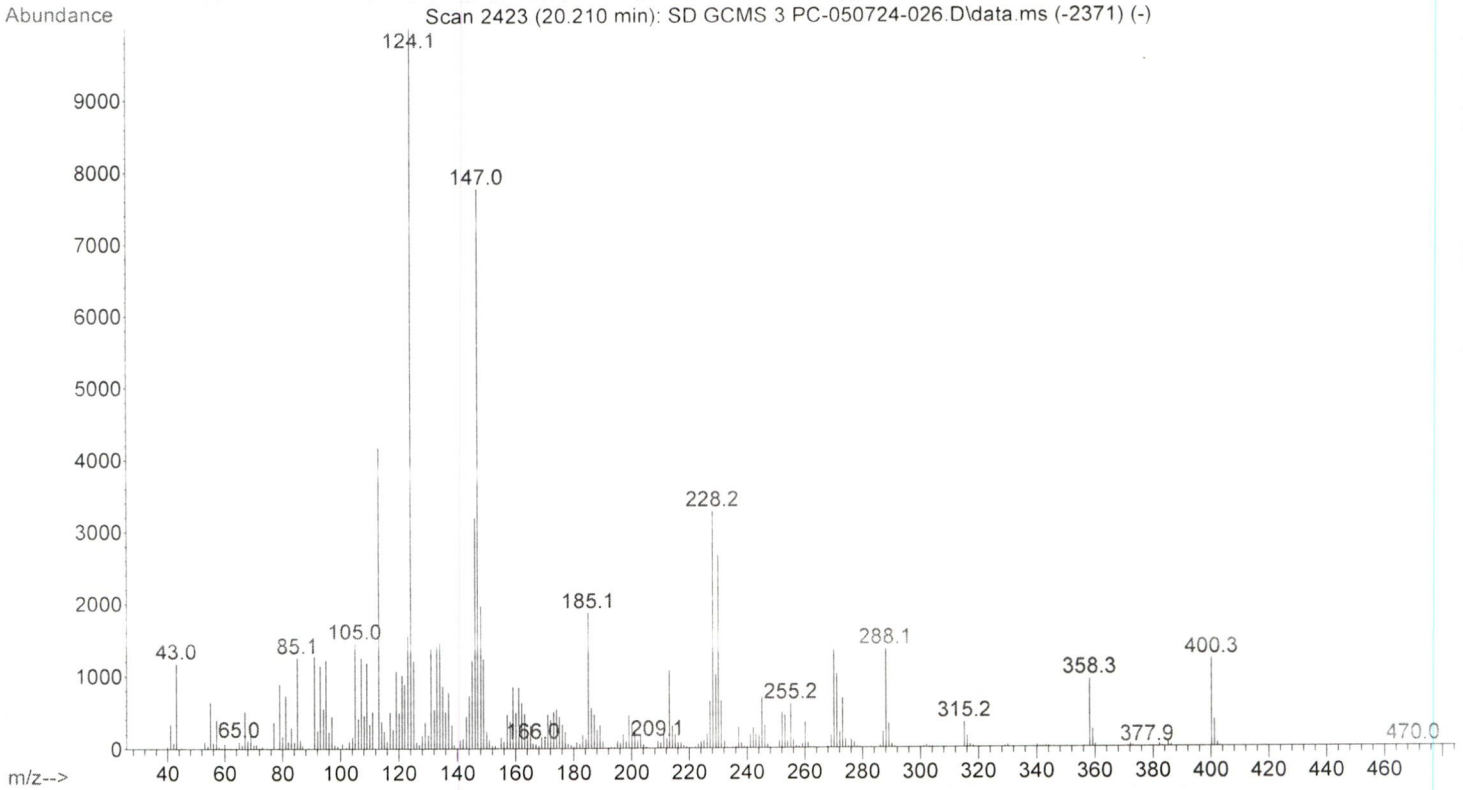
DrugTest35MS.M Wed May 08 01:43:23 2024 DRUGS

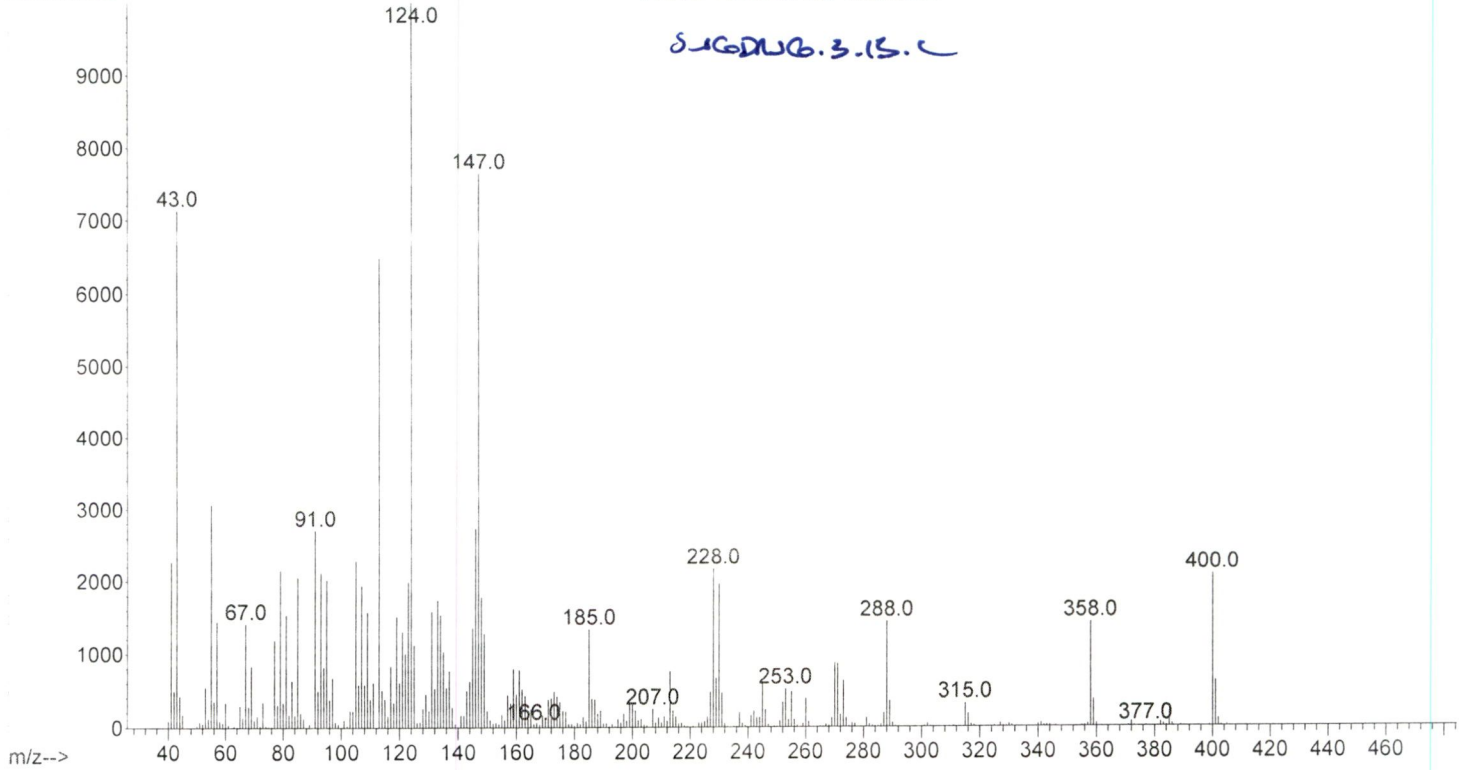


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-026.D
Acquired : 08 May 2024 01:18 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Testosterone enanthate (R-18-041) 000002268
Misc Info : 000002268
Vial Number: 35

MAY 0 8 2024





SIGDRUG.3.15.C

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-027.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 01:47
Sample : 5a-Androstan-17A-3B, 17B-diol (S-23-002)
Misc :
ALS Vial : 36
ExpBcode : 000002789
ActBcode : 900002789

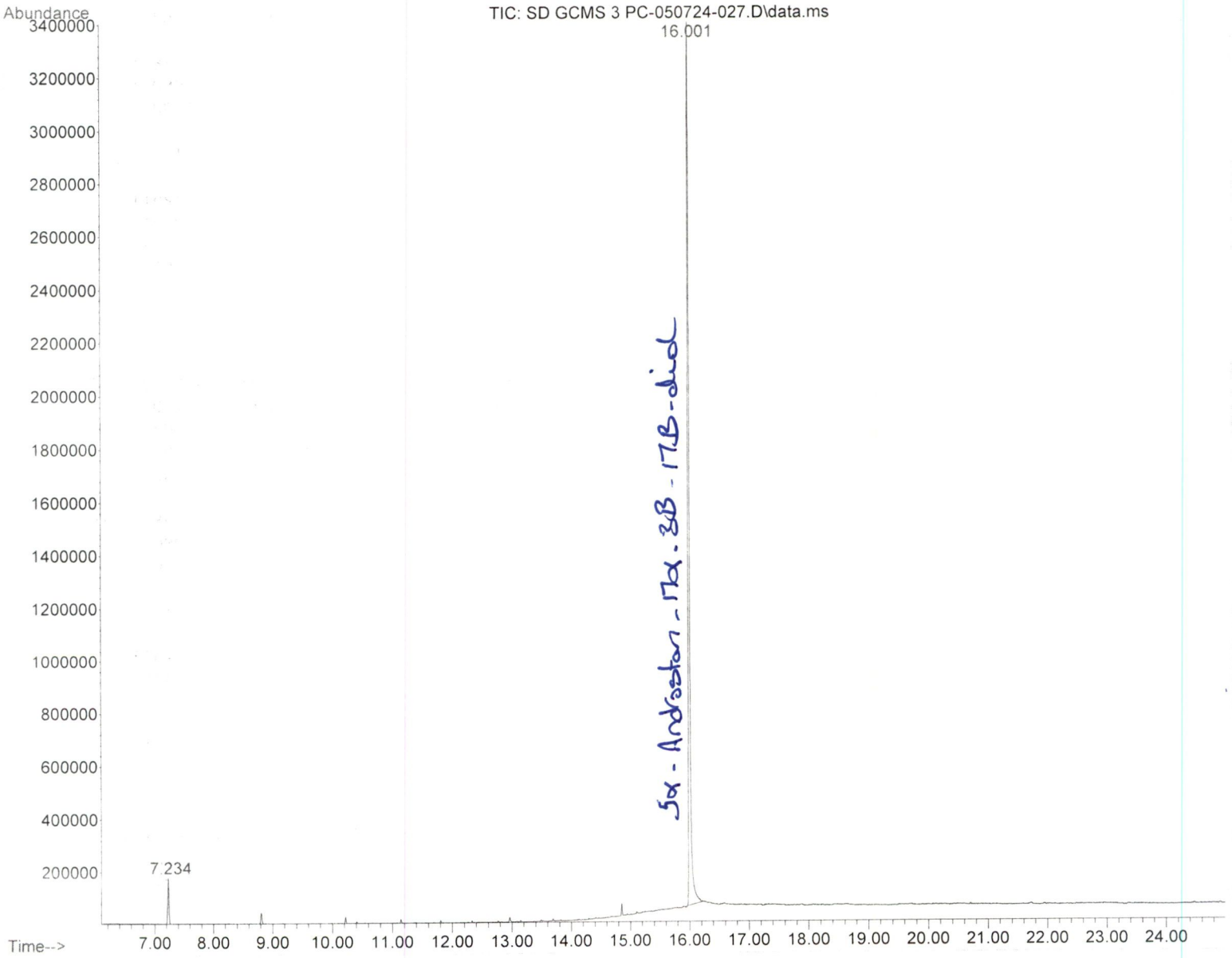
Signal : TIC: SD GCMS 3 PC-050724-027.D\data.ms

MAY 0 8 2024

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.234	189	197	207	BB	172132	2512092	4.20%	4.035%
2	16.001	1684	1701	1740	BB 3	3346303	59744653	100.00%	95.965%

Sum of corrected areas: 62256745

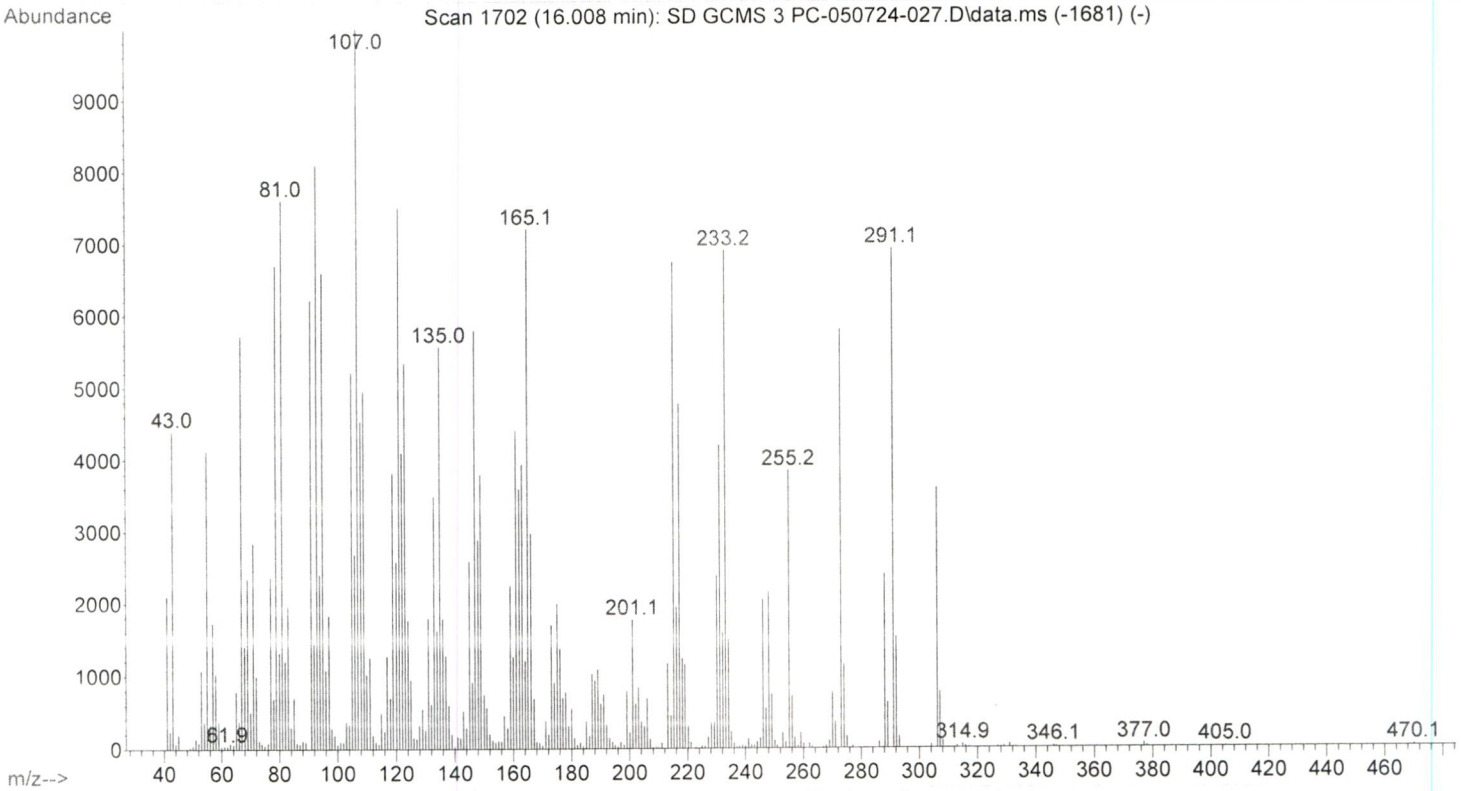
DrugTest35MS.M Wed May 08 02:12:35 2024 DRUGS

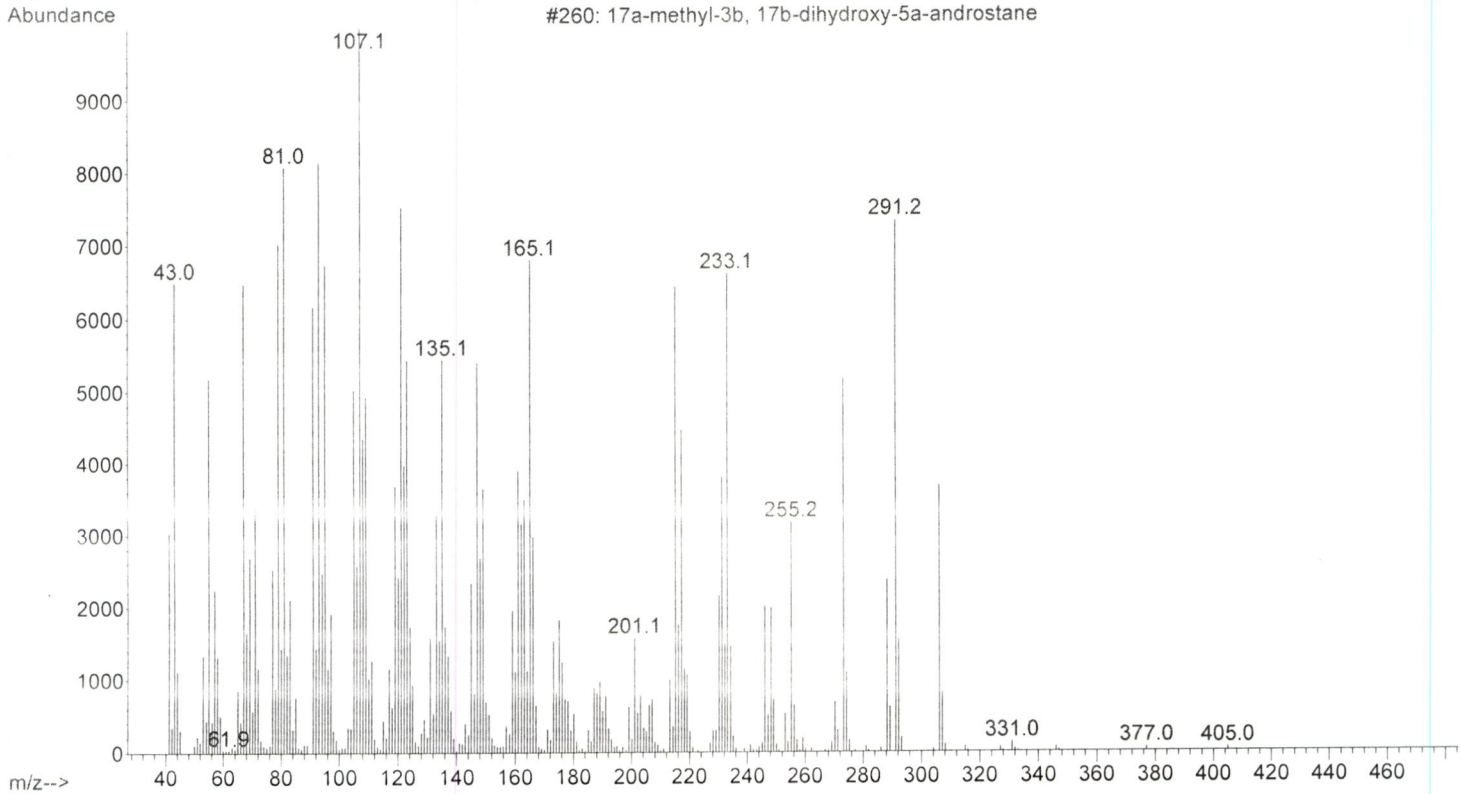


05

```
File       :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
...         ication\050724\SD GCMS 3 PC-050724-027.D
Acquired   : 08 May 2024  01:47     using AcqMethod DrugTest35MS.M
Instrument :   GCMS #4
Sample Name: 5a-Androstan-17A-3B, 17B-diol (S-23-002)       000002789
Misc Info  :                                                900002789
Vial Number: 36
```

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

DS

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK011.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 02:16
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

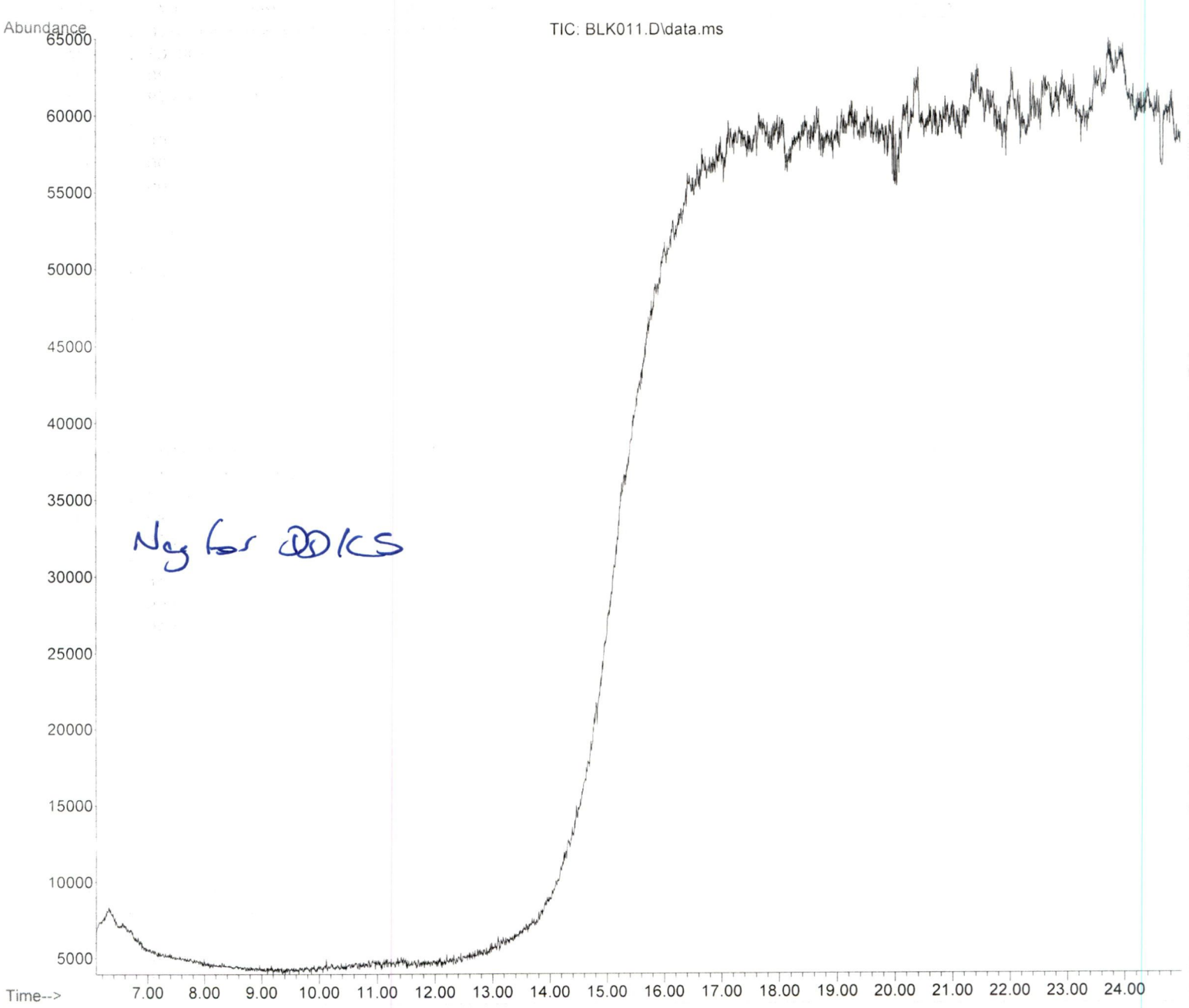
MAY 0 8 2024

Signal : TIC: BLK011.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 Wed May 08 02:41:20 2024 DRUGS



Ng for DDICS

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-028.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 02:44
Sample : Eutylone (S-22-011)
Misc :
ALS Vial : 37
ExpBcode : 000001723
ActBcode : 000001723

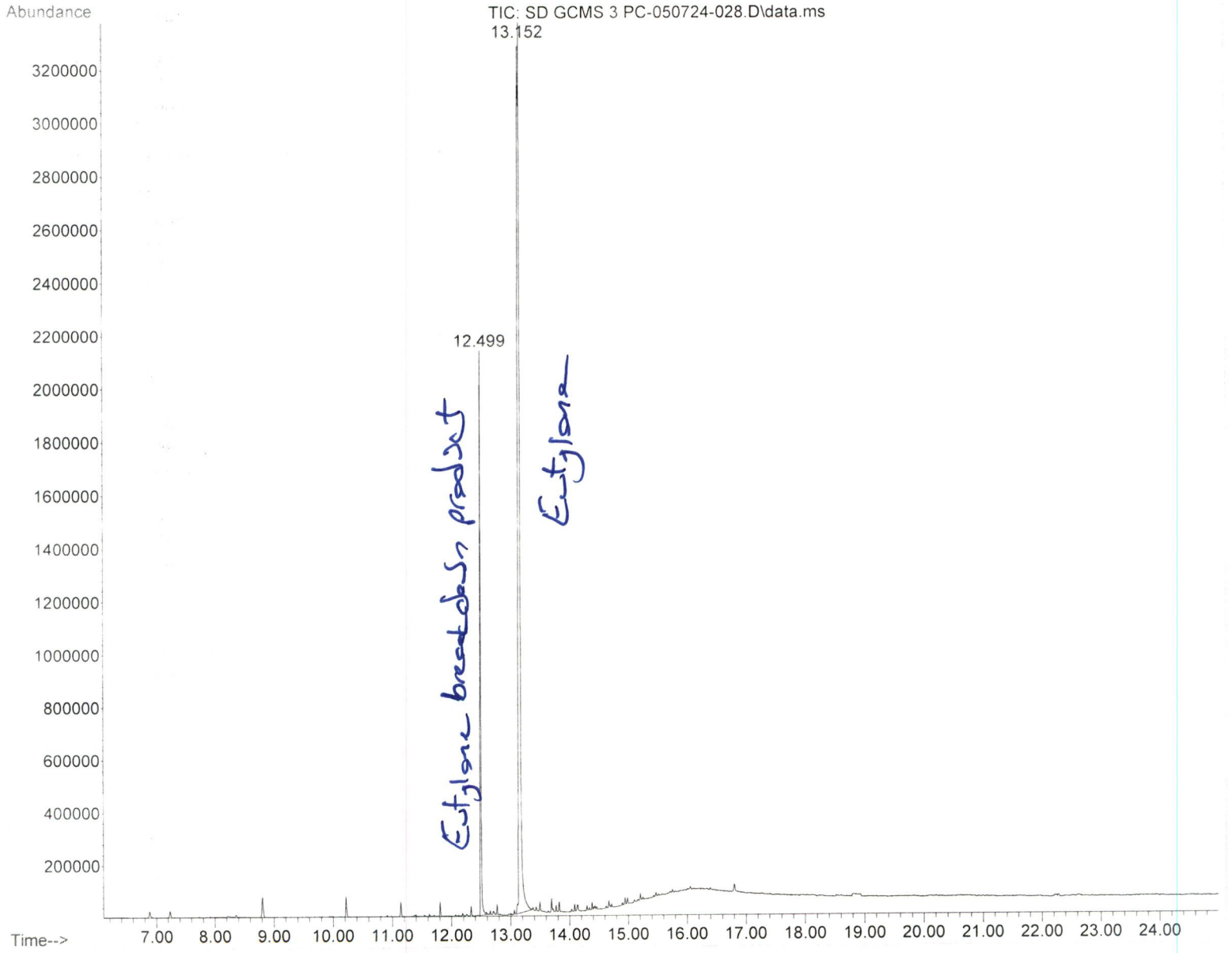
Signal : TIC: SD GCMS 3 PC-050724-028.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	12.499	1094	1100	1119	BB	2086697	20387922	24.74%	19.832%
2	13.152	1202	1212	1248	BV	3202966	82413844	100.00%	80.168%

MAY 08 2024

Sum of corrected areas: 102801766

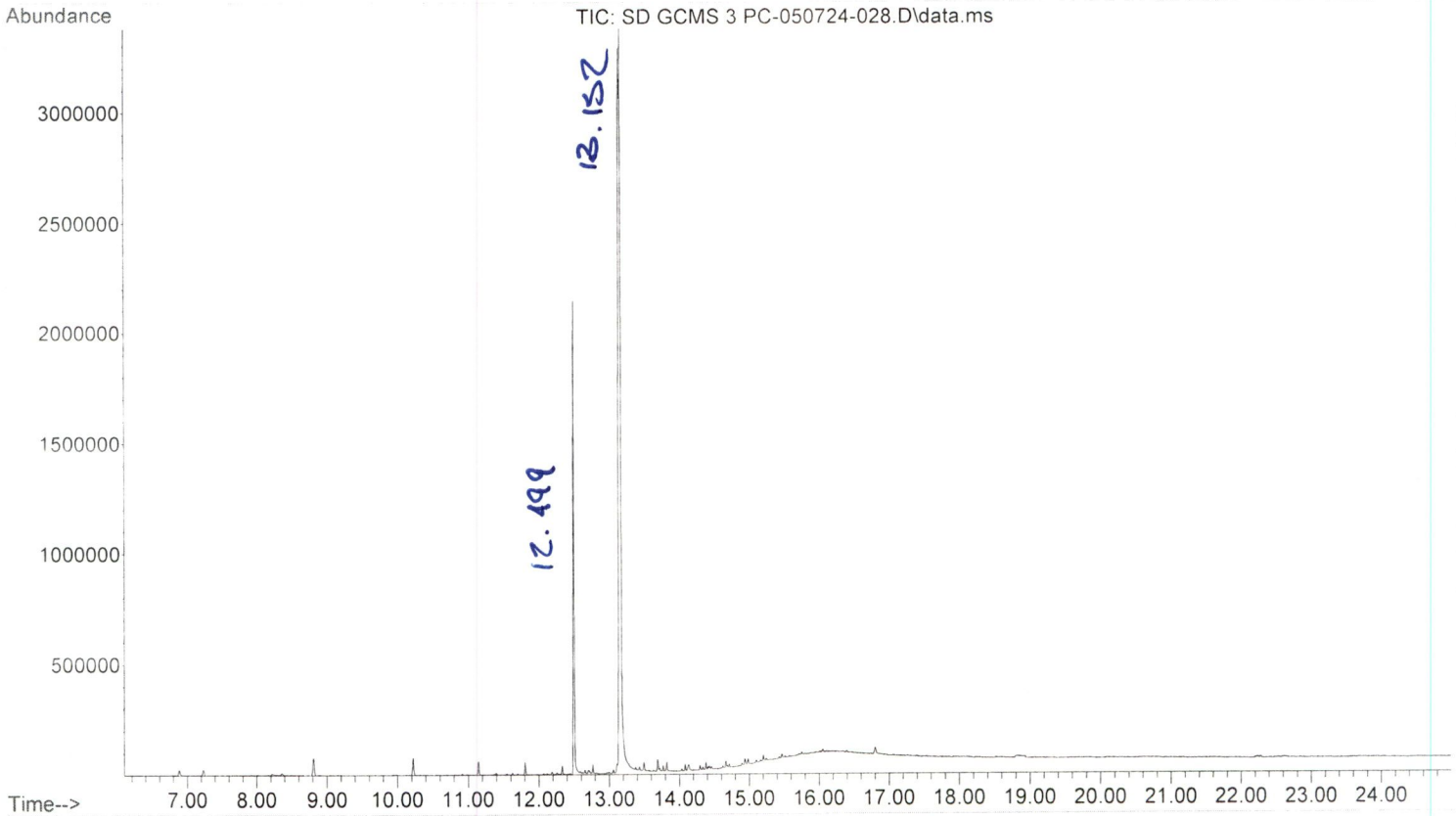
DrugTest35MS.M Wed May 08 03:10:07 2024 DRUGS

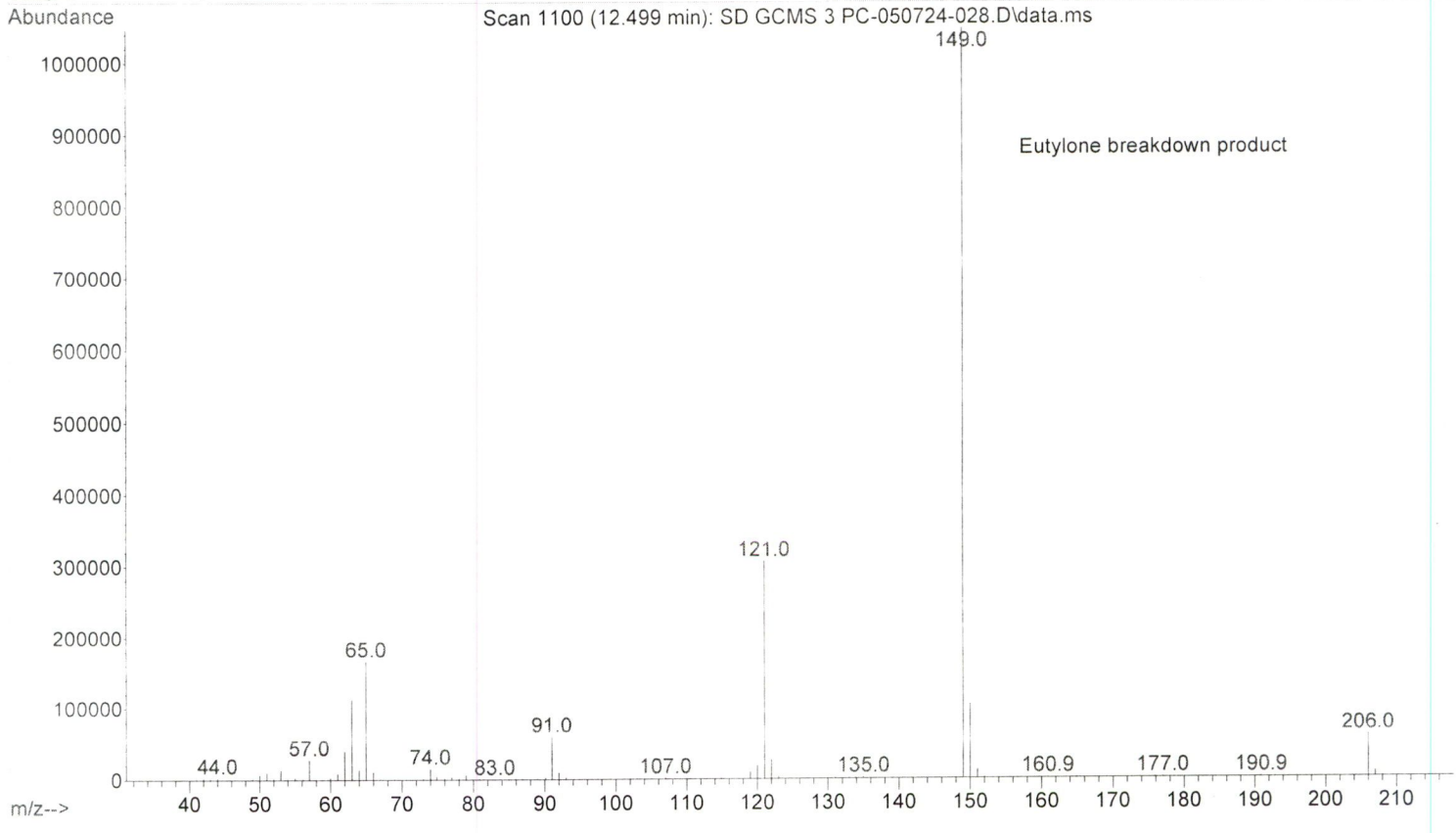


File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-028.D
Acquired : 08 May 2024 02:44 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Eutylone (S-22-011) 000001723
Misc Info : 000001723
Vial Number: 37

DS

MAY 0 8 2024

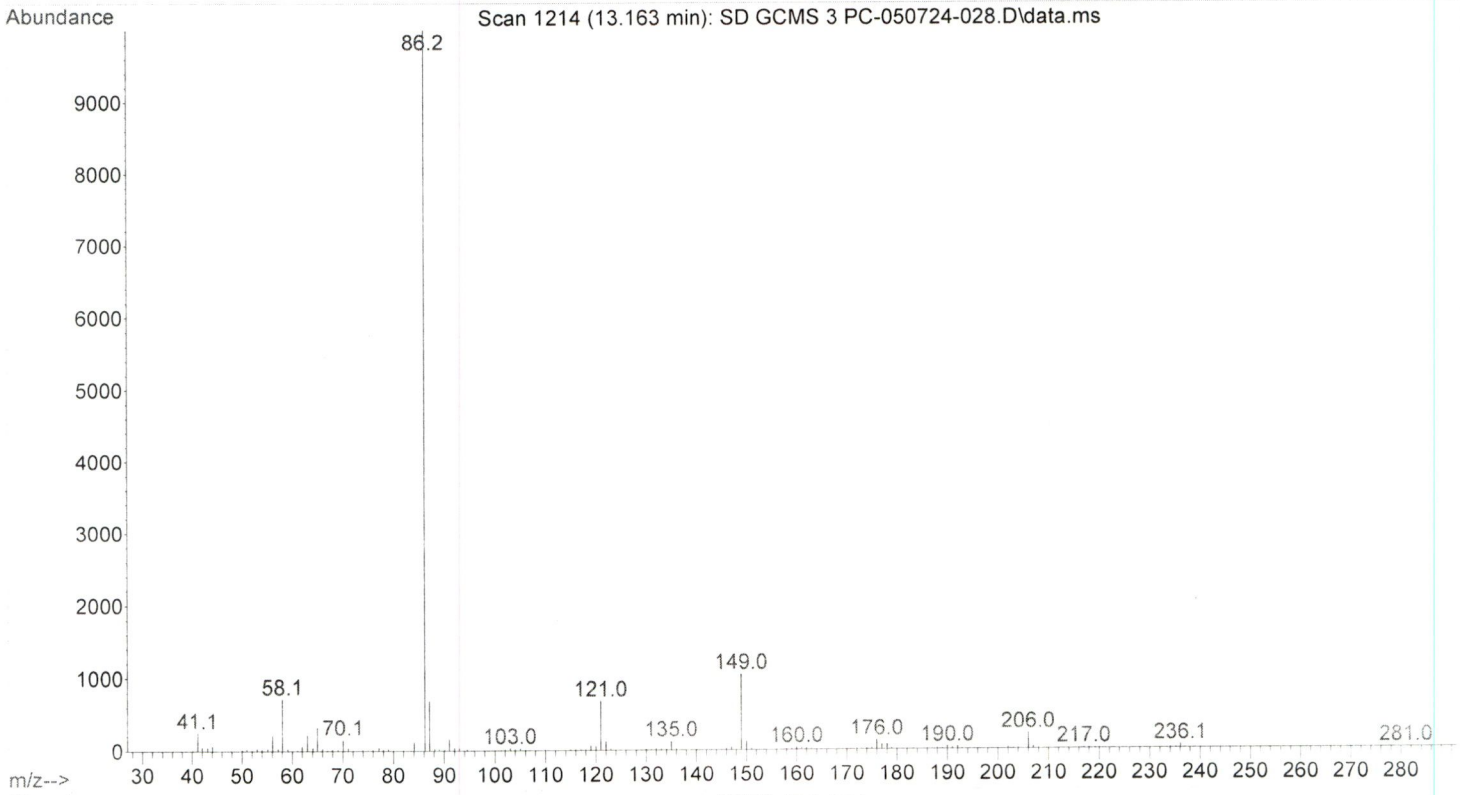


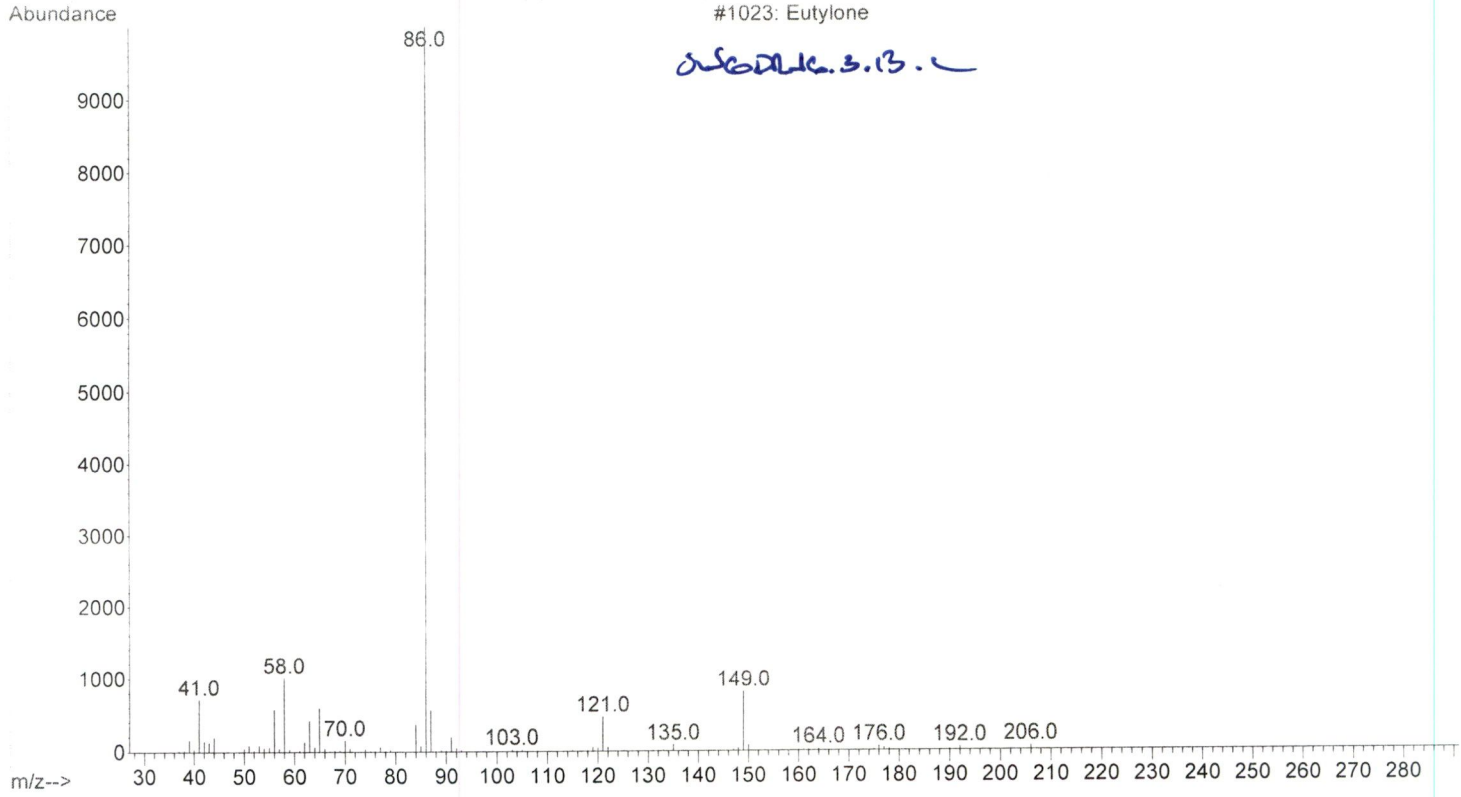


DS

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-028.D
Acquired : 08 May 2024 02:44 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Eutylone (S-22-011) 000001723
Misc Info : 000001723
Vial Number: 37

MAY 0 8 2024





Substitute 3.13.c

Brazoria County Crime Lab Area Percent Report

DS

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-029.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 03:13
Sample : 3,4-Methylenedioxy-a-cyclohexylaminopropiphenone (R-22-054)
Misc :
ALS Vial : 38
ExpBcode : 000002086
ActBcode : 000002086

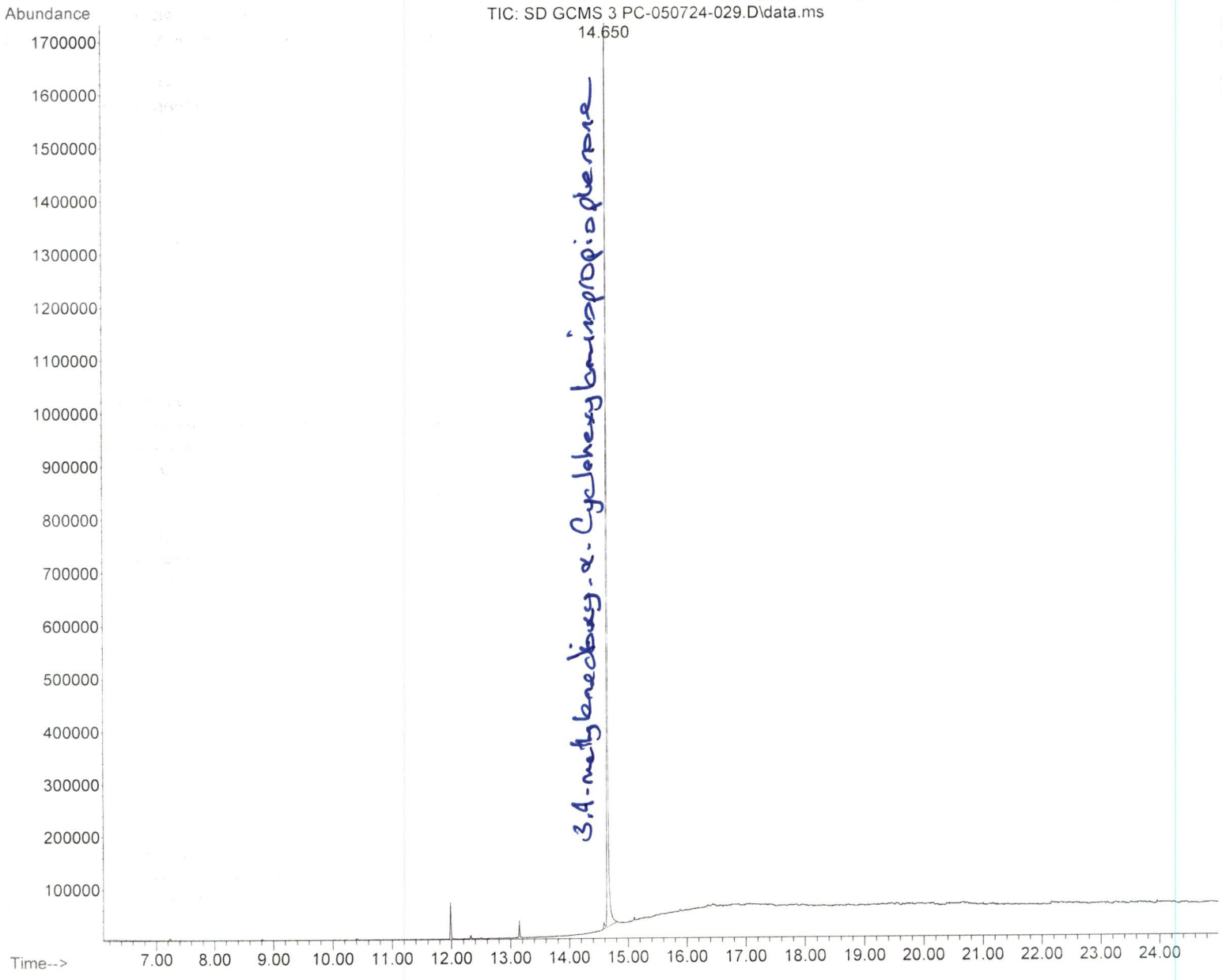
MAY 0 8 2024

Signal : TIC: SD GCMS 3 PC-050724-029.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	14.650	1448	1469	1496	BB	1715613	20709174	100.00%	100.000%

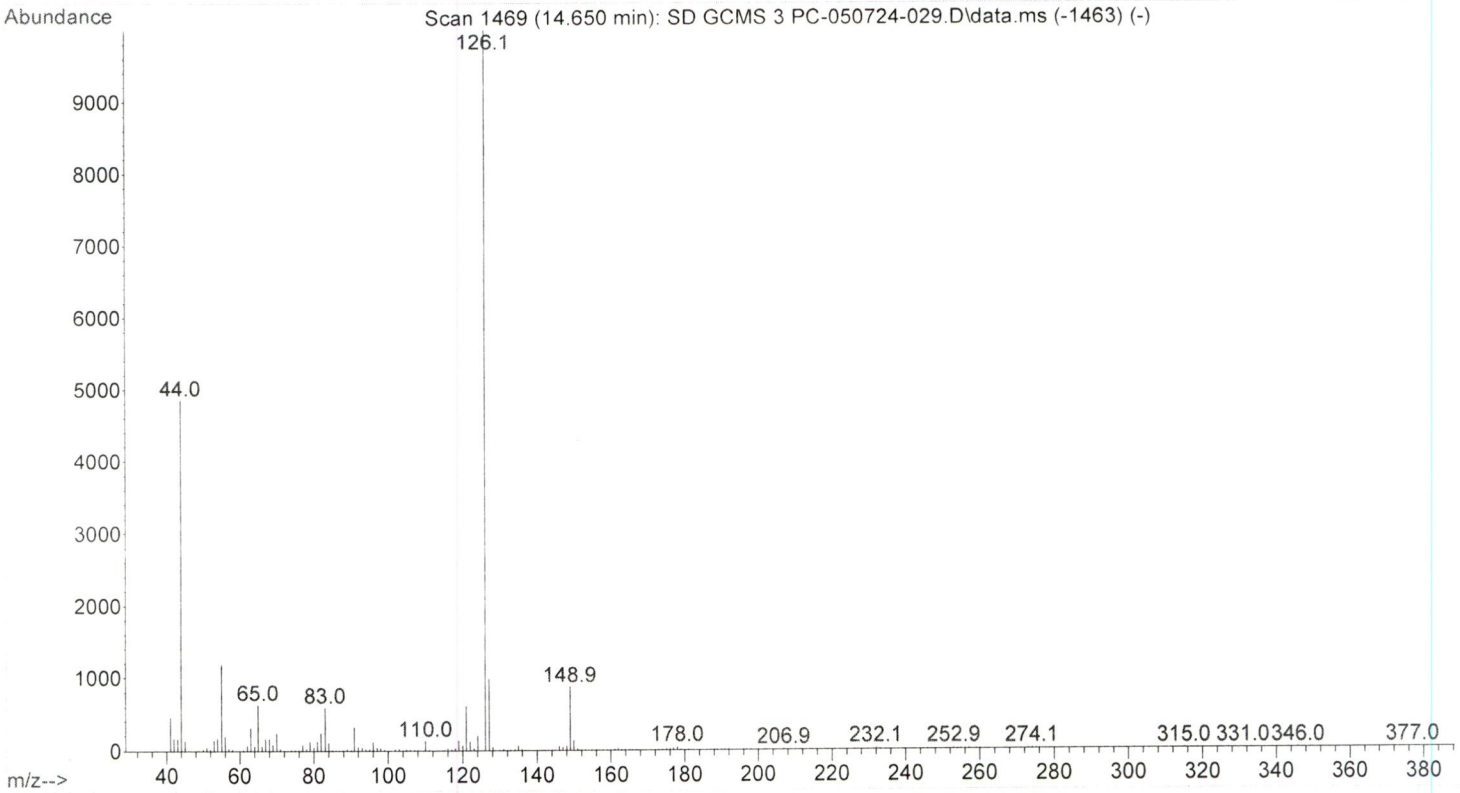
Sum of corrected areas: 20709174

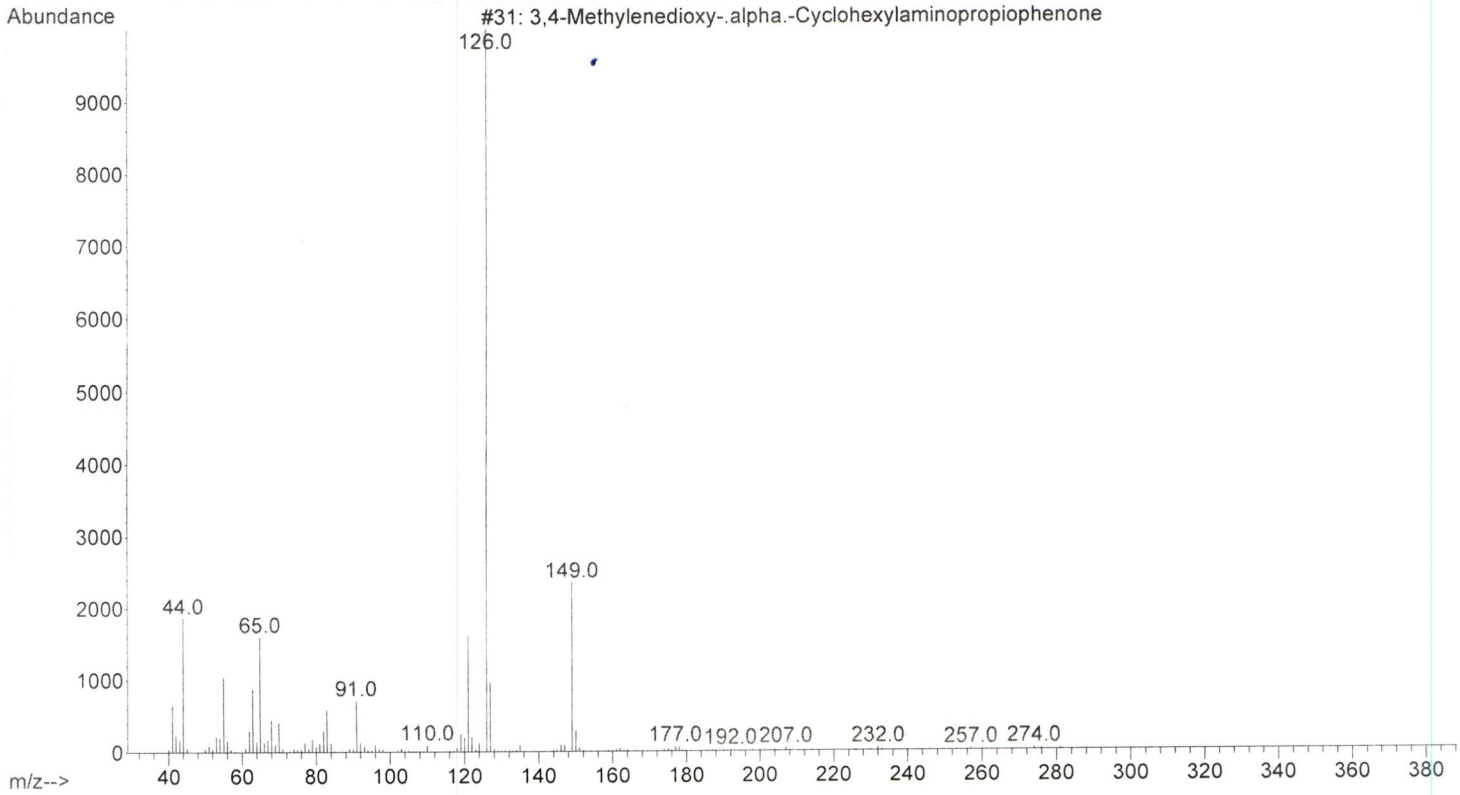
DrugTest35MS.M Wed May 08 03:38:49 2024 DRUGS



File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-029.D
Acquired : 08 May 2024 03:13 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: 3,4-Methylenedioxy-a-cyclohexylaminopropiphenone (R-22-054) 000002086
Misc Info : 000002086
Vial Number: 38

MAY 0 8 2024





Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\SD GCMS 3 PC-050724-030.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 03:42
Sample : Amphetamine (S-21-013) - EXPIRED STD
Misc :
ALS Vial : 39
ExpBcode : 000001402
ActBcode : 000001402

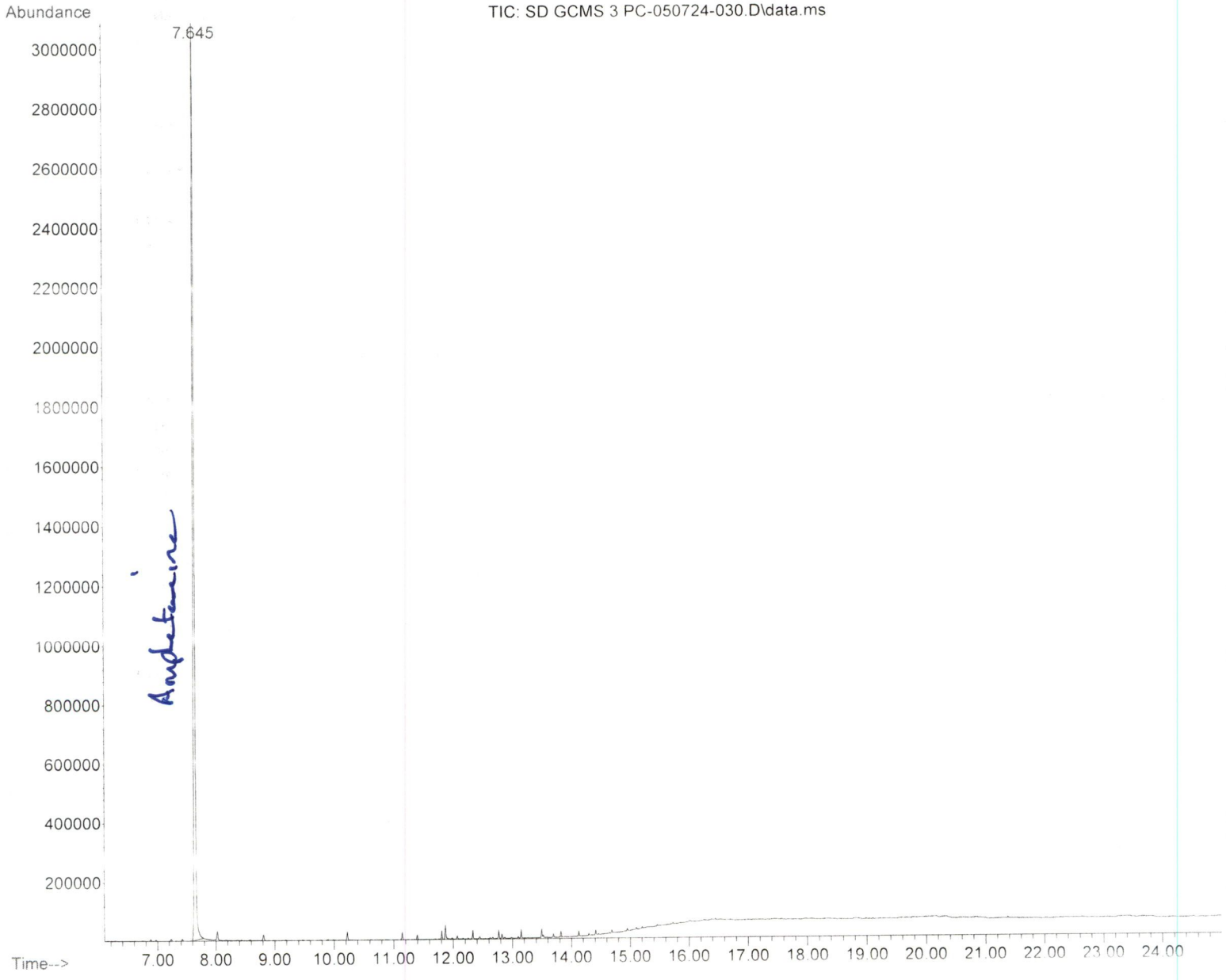
MAY 08 2024

Signal : TIC: SD GCMS 3 PC-050724-030.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.645	257	267	292	BB 2	3059207	52696777	100.00%	100.000%

Sum of corrected areas: 52696777

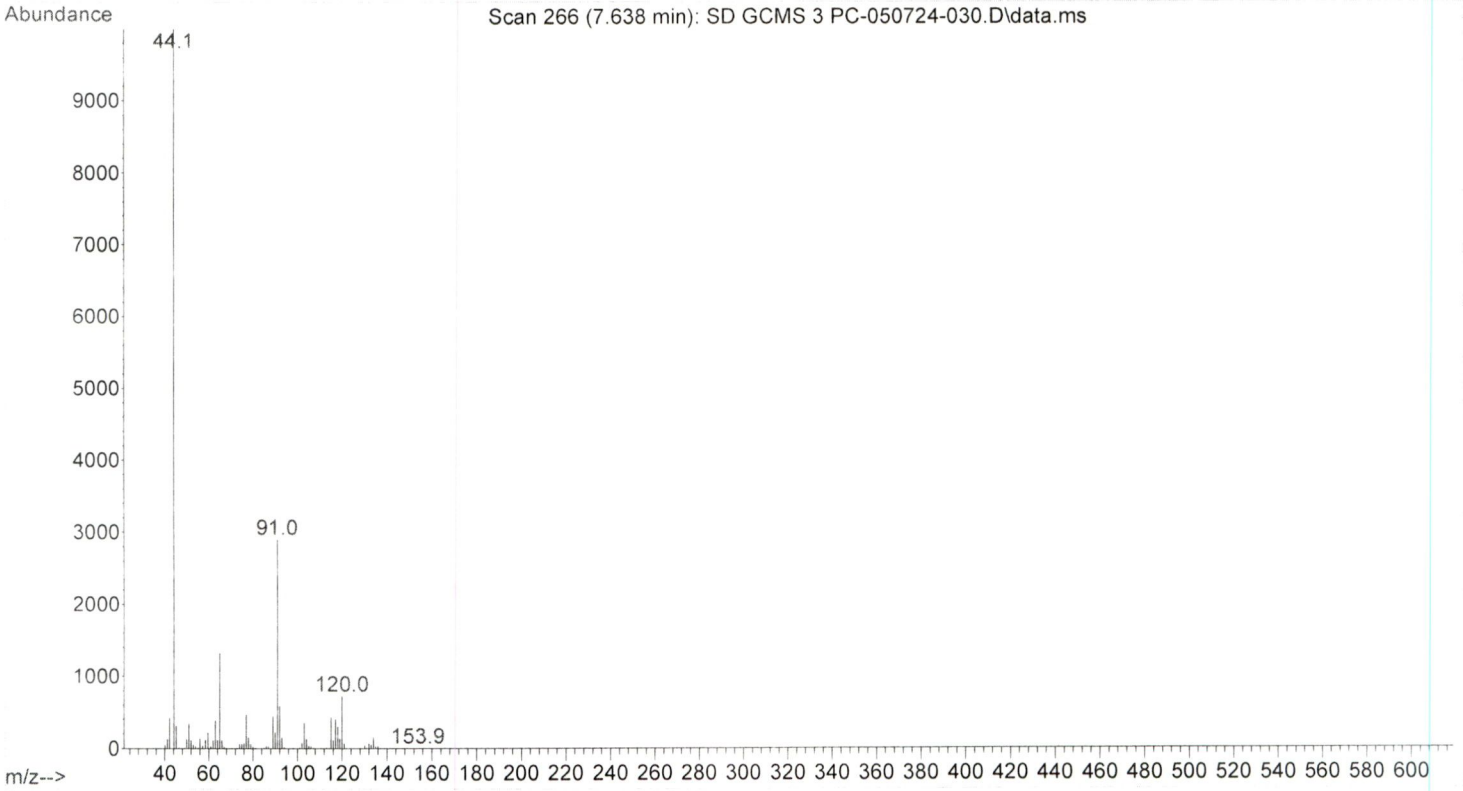
DrugTest35MS.M Wed May 08 04:07:37 2024 DRUGS



15

File :D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verif
... ication\050724\SD GCMS 3 PC-050724-030.D
Acquired : 08 May 2024 03:42 using AcqMethod DrugTest35MS.M
Instrument : GCMS #4
Sample Name: Amphetamine (S-21-013) - EXPIRED STD 000001402
Misc Info : 000001402
Vial Number: 39

MAY 0 8 2024





SJGDWG.3.13.L

Brazoria County Crime Lab Area Percent Report

Data File: D:\MassHunter\GCMS\1\GCMS 4 data\Standards\Performance Verification\050724\BLK012.D
Method : D:\MassHunter\GCMS\1\methods\DrugTest35MS.M
Operator : SD GCMS 4
Acq On : 08 May 2024 04:11
Sample : Blank (C-22-0046B)
Misc :
ALS Vial : 40
ExpBcode : 000002630
ActBcode : 000002630

MAY 0 8 2024

Signal : TIC: BLK012.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 Wed May 08 04:36:19 2024 DRUGS

