BRAZORIA COUNTY SHERIFF'S OFFICE
CRIME LABORATORY

Seized Drugs Section
GC/MS #1 - Preventative Maintenance and Performance Check

May 7, 2024

On May 3, 2024, Preventative Maintenance servicing was performed on SD GC/MS #1 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 of the same phase – DB-5MS 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 over the weekend. On Monday morning – May 6, 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 BCCL GenDrug Method. Additional methods are also utilized for more sensitive substances such as psilocin and higher temperature eluting substances such as sildenafil. These methods are DrugTest50_20x and DrugTest50-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-5MS UI (Serial # US2585764H) and methods (BCCL GenDrug Method, DrugTest50_20x, and DrugTest50-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 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 cocaine and 3,4-Methylenedioxy-α-cycloaminopropiophenone, delta-9 THC and hydrocodone, and 4-fluoro-MDMB BUTINACA and MDMB-4en-PINACA using the BCCL GenDrug method. 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.

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.

Table detailing standards analyzed on GC/MS #1:

#	Drug Standard	Ref #	Method	Retention Time
030	Amphetamine – EXPIRED STD	S-21-013	BCCLGenDrug	2.536
001.1	Methamphetamine	R-22-004	BCCLGenDrug	2.719
008	Butalbital	R-21-012	BCCLGenDrug	5.007
028	Eutylone	S-22-011	BCCLGenDrug	5.723
012	Phencyclidine (PCP)	R-24-003	BCCLGenDrug	6.108
020	Tramadol	R-24-004	BCCLGenDrug	6.283
029	3,4-Methylenedioxy-α-cycloaminopropiophenone	R-22-054	BCCLGenDrug	7.173
001.2	Cocaine	R-22-004	BCCLGenDrug	7.175
011	Promethazine – EXPIRED STD	S-21-020	BCCLGenDrug	7.476
022	Codeine	S-23-022	BCCLGenDrug	7.927
006	Delta-8 THC – EXPIRED STD	S-19-051	BCCLGenDrug	8.054
001	Delta-9 THC	R-24-010	BCCLGenDrug	8.143
019	Hydrocodone	R-23-023	BCCLGenDrug	8.176
004	4-fluoro-MDMB BUTINACA	R-22-031	BCCLGenDrug	8.473
003	MDMB-4en-PINACA	R-22-032	BCCLGenDrug	8.480
021	Oxycodone	S-22-034	BCCLGenDrug	8.515
027	α-Androstan-17α-methyl-3β-17β-diol	S-23-002	BCCLGenDrug	8.620
007	Flunitrazepam	R-21-028	BCCLGenDrug	8.818
001.3	Heroin	R-22-004	BCCLGenDrug	8.875
025	m-fluoro-Fentanyl – EXPIRED STD	S-22-065	BCCLGenDrug	9.010
024	o-fluoro-Fentanyl	S-22-063	BCCLGenDrug	9.104
023	p-fluoro-Fentanyl	S-22-062	BCCLGenDrug	9.187
001.4	Fentanyl	R-22-004	BCCLGenDrug	9.329
001.5	Alprazolam	R-22-004	BCCLGenDrug	10.951
005	ADB-5Br-INACA	S-22-067	BCCLGenDrug	11.515
010	4'-chloro-Deschloroalprazolam	R-22-055	BCCLGenDrug	11.766
009	Clonazolam	S-21-010	BCCLGenDrug	12.946
026	Testosterone enanthate	R-18-041	BCCLGenDrug	13.259
014	Psilocin	S-22-009	DrugTest50_20X	16.269
016	Etodesnitazene	S-22-072	DrugTest50_20X	19.138

013	LSD	S-22-038	DrugTest50_20X	20.969
031	Buprenorphine – 2nd run	S-22-008	DrugTest50_20X	22.743
015	Protonitazene	S-23-011	DrugTest50_20X	23.061
017	Sildenafil	R-22-029	DrugTest50-FHTI	28.845
018	Buprenorphine – 1st run	S-22-008	BCCLGenDrug	neg

In conclusion, SD GC/MS #1 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 new. 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

Derek Sanders,
Laboratory Director

Agilent Technologies

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

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/printout pages 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.

Copyright © 2011

System Information

Guidance

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

Instrument system name and ID	GCMS #1
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. G1530A	1. US00031579
2. G1999A	2. US94230693
3. G2613A	3. US00611483
4. G2614A	4. CN23221533
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.

Copyright © 2011

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 6850 or 6890 manual – "Maintaining Your GC" - for the inlet(s) installed.
- ☐ Replace the split vent trap on units with these inlets: Split/Splitless Capillary (SSL), Programmable Temperature Vaporization (PTV), Volatiles Interface (VI).
- ☐ If the GC includes a Flame Ionization Detector (FID), replace the jet. If the ignitor shows any build up 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 6890 Service Manual.
- ☐ Perform inlet pressure decay tests(s) as defined in the 6890 Service Manual. If the PM is done in preparation for an OQ/PV, 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 rod – clean if necessary
- ☐ Check for correct operation of syringe volume stops.

Copyright © 2011

Restore Instrument

- ☑ Restore the normal operating conditions using the Keyboard or Data System.
- N/A ☐ Check and record detector offset. Results should be similar to offset test conducted 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.

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.

Copyright © 2011

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.

6850 and 6890 GC Test Results Table

Signal Output test	Before PM service	After PM service
Front detector output	N/A	N/A
Back detector output (6890 Only)	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 (6890 Only)	Pass	N/A

6890 and 6850 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	G1530/G1540/G2630	
SSL Capillary Inlet PM kit, split	5188-6496	G1530/G1540/G2630	
Larger O.D. Liner O-Rings for SS Flip Top - 10/pkg.	5188-5366	G1530/G1540/G2630	
PP Inlet PM kit	5188-6498	G1530/G1540/G2630	
Split vent trap PM kit, single cartridge (for PTV & VI)	5188-6495	G1530/G1540/G2630	
Ignitor (glow plug) assembly with O-ring	19231-60680	G1530/G1540/G2630	
.011-inch FID Jet for capillary FID base	G1531-80560	G1530/G1540/G2630	
.018-inch FID Jet for packed column with packed FID base	18710-20119	G1530/G1540/G2630	
.011-inch FID Jet for capillary column with packed FID base	19244-80560	G1530/G1540/G2630	

 Copyright © 2011

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.

.

Other Important Customer Web Links

- ❑ How to get information on your product: Literature Library - http://www.agilent.com/chem/library
- ❑ Need to know more? - www.agilent.com/chem/education
- ❑ Need technical support, FAQs? - www.agilent.com/chem/techsupp
- ❑ Need supplies? - www.agilent.com/chem/supplies

Service Completion

Service request number 6006572151 Date service completed 05.03.2024

Agilent signature JOHN PETERSON Customer signature

Document part number: G2630-90130

Copyright © 2011



Agilent Technologies

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

Copyright © 2018

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**.

Copyright © 2018

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.

Copyright © 2018

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.

Copyright © 2018

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

Copyright © 2018

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

Copyright © 2018

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

Copyright © 2018

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

Copyright © 2018

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.	G1999A
☑ ☐	☑ ☑	Record instrument serial no.	US94230693
☐ ☑	☑ ☑	Record Rough Vacuum.	
☐ ☑	☑ ☑	Record Manifold Vacuum.	
☑ ☐	☑ ☑	Type of Column installed.	DB-5ms UI

		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.

Copyright © 2018

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	
☒ ☐	☑ ☑		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	.....

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.

Copyright © 2018

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.
- ☐ 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.

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

Copyright © 2018

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	6006572151	Date service completed	05.03.2024
Agilent signature	JOHN PETERSON	Customer signature	
Number of pages	13		

Copyright © 2018

Optimize your lab's productivity with these FREE Agilent resources.
Details on back.

Always Quality.
Always Innovative.
Always Agilent.

Agilent J&W GC Column Performance Summary

Catalog
122-5532UI

Serial No:
US2585764H

Stationary Phase: **DB-5MS UI**

Description: **30m x 0.250mm x 0.25µm**

Temperature Limits: **-60°C to 325°C (350°C Pgm)**

Performance Results

Theoretical Plates/Meter:

n-DECANE	4357

Retention Index:

n-PROPYLBENZENE	951.8
1-HEPTANOL	967.0

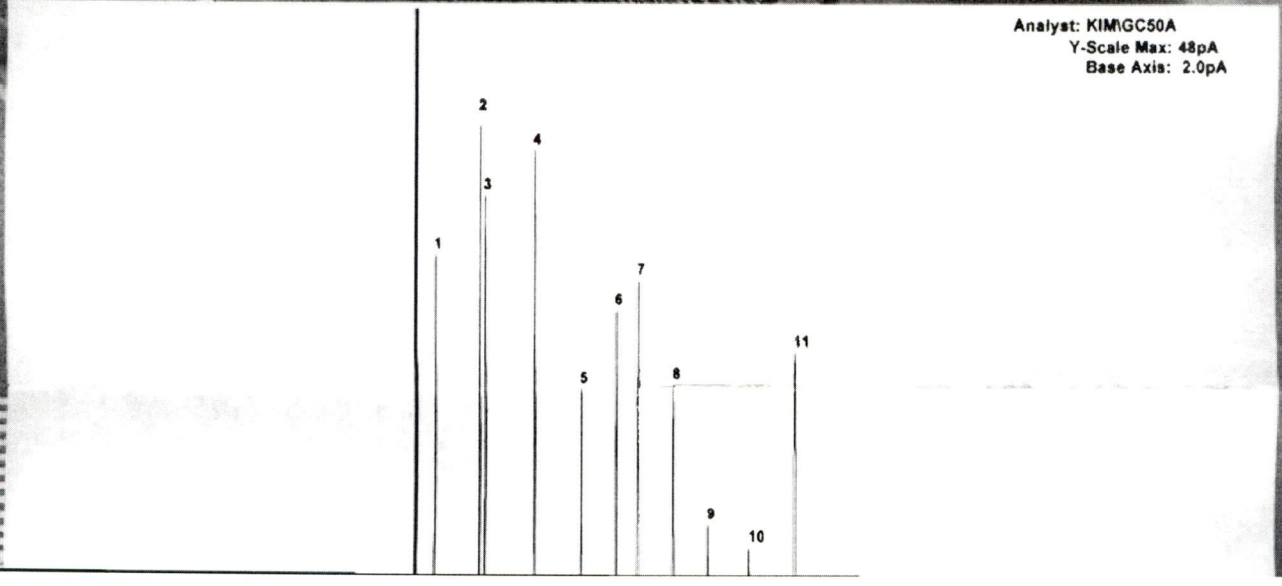
Resolution:

1-OCTENE, n-OCTANE	3.62

Compound Identification	Retention Time (t_r)	Partition Ratio (k)	Peak Width ($w_{1/2}$)
1. PROPIONIC ACID	1.630	0.28	0.022
2. 1-OCTENE	2.382	0.87	0.014
3. n-OCTANE	2.471	0.94	0.015
4. 4-METHYLPYRIDINE	3.312	1.60	0.020
5. n-NONANE	4.108	2.23	0.025
6. TRIMETHYLPHOSPHATE	4.707	2.70	0.032
7. 1,2-PENTANEDIOL	5.100	3.01	0.036
8. n-PROPYLBENZENE	5.717	3.49	0.036
9. 1-HEPTANOL	6.300	3.95	0.040
10. 3-OCTANONE	7.005	4.50	0.044
11. n-DECANE	7.779	5.11	0.051

Test Conditions

Inlet: (250°C) Split at 400 mL/min Detector: FID (325°C)
Carrier Gas: Hydrogen Flow: 39.3 cm/sec (1.2 mL/min)
Hold-up Time Compound: Pentane (1.273 min)
Temperature Program: Isothermal at 65°C

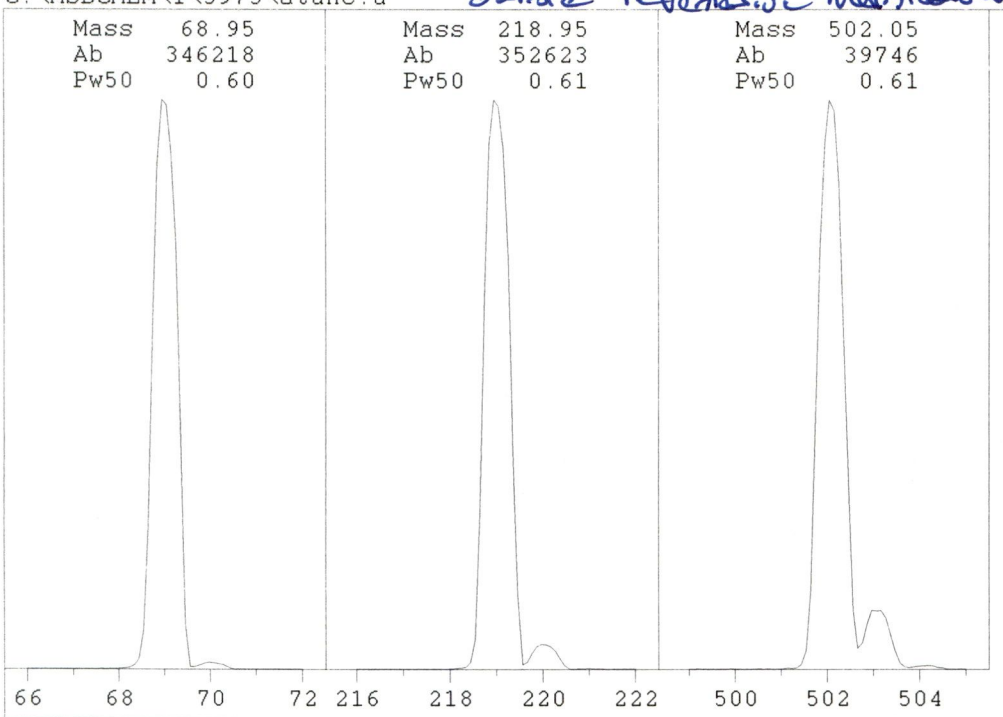


5973 Autotune

Fri May 03 07:59:15 2024
C:\MSDCHEM\1\5973\atune.u

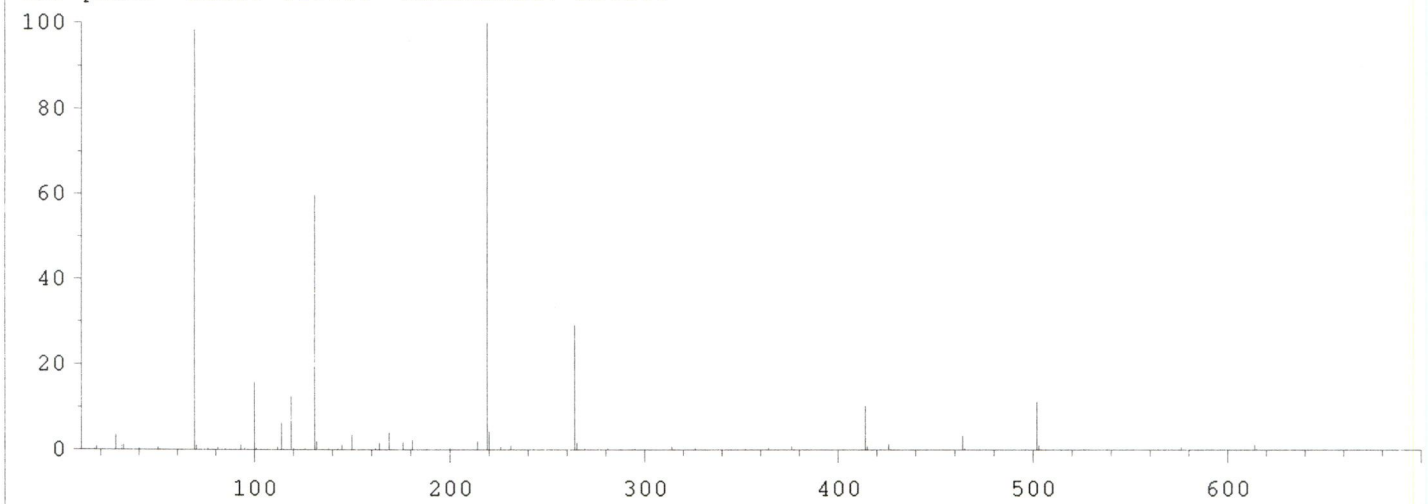
Before Preventative maintenance

Instrument: SD GCMS #1



Ion Pol	POS	MassGain	373
		MassOffs	-11
Emission	34.6	AmuGain	2441
EIEnrgy	69.9	AmuOffs	121
Filament	2	Wid219	-0.046
		DC Pol	POS
Repeller	22.25		
IonFcus	76.9	HEDEnab	ON
EntLens	19.0	EMVolts	1388
EntOffs	15.81		
		Samples	8
PFTBA	OPEN	Averages	3
		Stepsize	0.10
Zones:			
MS Source	230	TurboSpd	100
MS Quad	150		

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100 Step: 0.10
128 peaks Base: 219.05 Abundance: 334144



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	328448	100.00	70.05	3549	1.08
219.05	334144	101.73	220.05	14146	4.23
502.05	37336	11.37	503.05	3584	9.60

Air/Water Check: H20~0.86% N2~3.62% O2~1.14% CO2~0.09% N2/H2O~418.53%

Column Flow: Front: 0.798 Back: 0 ml/min. Interface Temp: 280

Ramp Criteria:
Ion Focus Maximum 90 volts using ion 502; EM Gain 75579
Repeller Maximum 35 volts using ion 219;

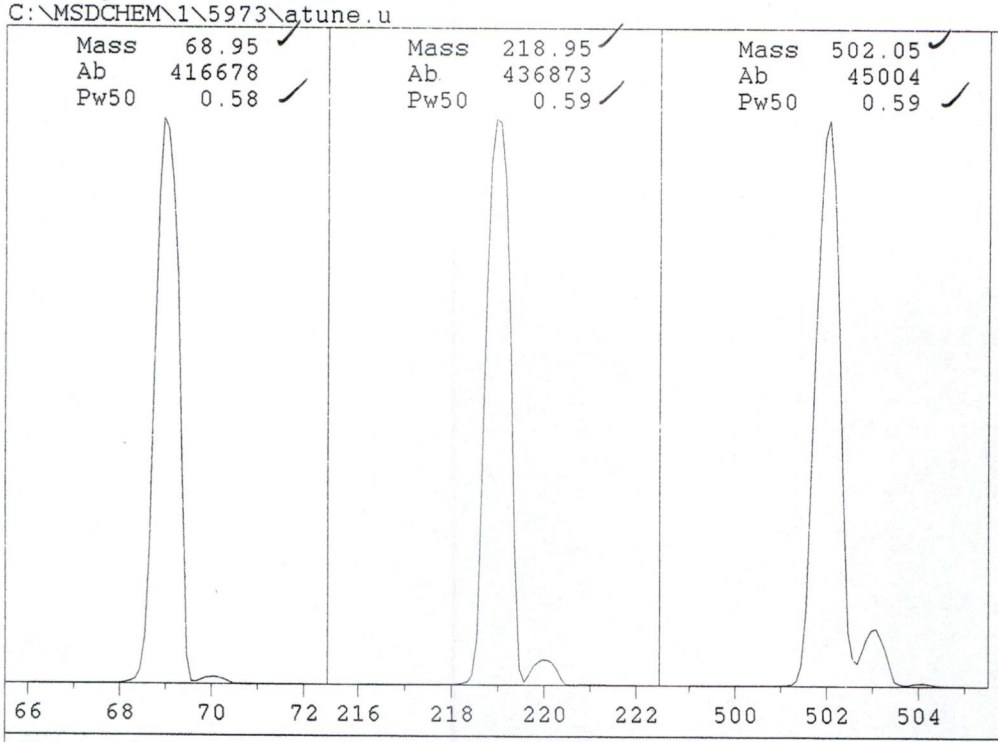
MassGain Values @Samples: 373@3 373@2 373@1 373@0 373@FS

TARGET MASS:	50	69	131	219	414	502	800
Amu Offset:	121.0	121.0	121.0	121.0	121.0	121.0	121.0
Entrance Lens Offset:	15.8	15.8	15.8	15.8	15.8	15.8	15.8

5973 Autotune

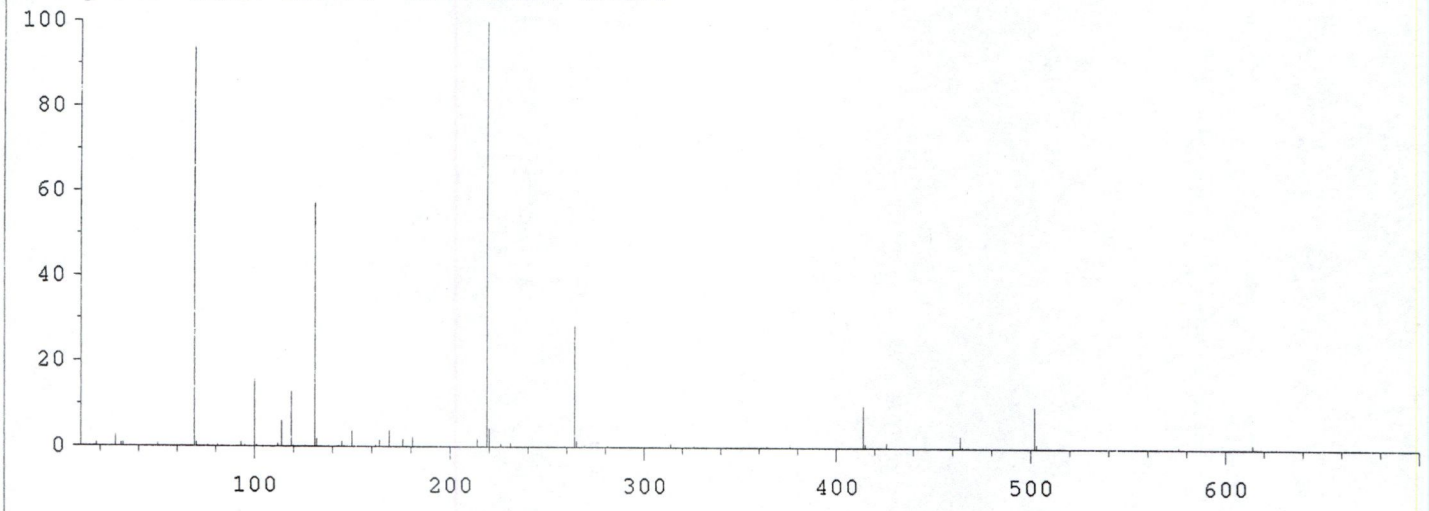
Mon May 06 08:03:04 2024
C:\MSDCHEM\1\5973\atune.u

Instrument: SD GCMS #1



Ion Pol	POS	MassGain	359
		MassOffs	-11
Emission	34.6	AmuGain	2440
EIEnrgy	69.9	AmuOffs	121
Filament	2	Wid219	-0.054
		DC Pol	POS
Repeller	28.62		
IonFcus	70.2	HEDEnab	ON
EntLens	5.0	EMVolts	1388
EntOffs	16.82		
		Samples	8
PFTBA	OPEN	Averages	3
		Stepsize	0.10
Zones:			
MS Source	230	TurboSpd	100
MS Quad	150		

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100 Step: 0.10
136 peaks Base: 218.95 Abundance: 407872



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	382592	100.00	70.05	4351	1.14
218.95	407872	106.61	219.95	17664	4.33
502.05	39728	10.38	503.05	3986	10.03

Air/Water Check: H2O~0.89% N2~2.91% O2~0.95% CO2~0.13% N2/H2O~327.87%

Column Flow: Front: 0.798 Back: 0 ml/min. Interface Temp: 280

Ramp Criteria:
Ion Focus Maximum 90 volts using ion 502: EM Gain 70140
Repeller Maximum 35 volts using ion 219;

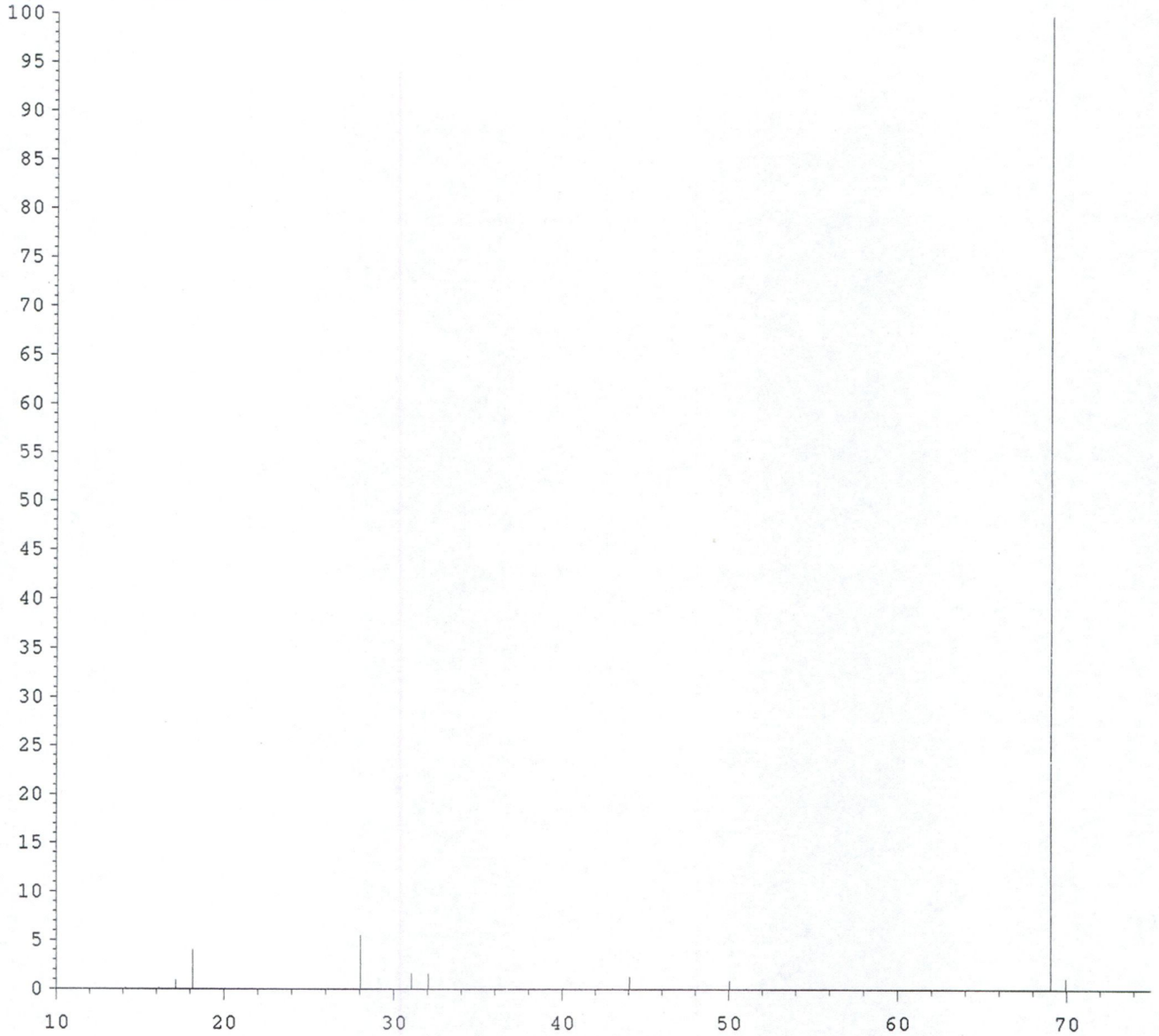
MassGain Values @Samples: 359@3 359@2 359@1 359@0 359@FS

TARGET MASS:	50	69	131	219	414	502	800
Amu Offset:	121.0	121.0	121.0	121.0	121.0	121.0	121.0
Entrance Lens Offset:	16.8	16.8	16.8	16.8	16.8	16.8	16.8

597x Air and Water Check

Instrument: SD GCMS #1
Mon May 06 07:55:15 2024 C:\MSDCHEM\1\5973\

Scan: 10.00 - 75.00 Samples: 8 Thresh: 0 Step: 0.10
68 peaks Base: 69.05 Abundance: 433216



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	433216	100.00	69.95	4947	1.14
18.15	17568	4.06	19.05	117	0.67
28.05	23912	5.52	29.15	355	1.48

Current Params used: atune.u

Relative abundances:
18/69 = 4.06 Water%
28/69 = 5.52 Nitrogen%
32/69 = 1.55 Oxygen%
44/69 = 1.29 Carbon Dioxide%
28/18 = 136.11 Nitrogen/Water%

System Verification - Tune (Detector Optimization) Portion

CDS

Instrument Name	: SD GCMS #1	
DC Polarity	: Positive	
Filament	: 2	
BasePeak should be 69 or 219		Ok
Position of mass 69	69.05	Ok
Position of mass 219	218.95	Ok
Position of mass 502	502.05	Ok
Position of isotope mass 70	70.04	Ok
Position of isotope mass 220	219.95	Ok
Position of isotope mass 503	503.04	Ok
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.12	Ok
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.31	Ok
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.16	Ok
Ratio of 219 to 69 should be > 40% and is	107.16	Ok
Ratio of 502 to 69 should be > 2.4% and is	10.72	Ok
Mass 69 Precursor (<= 3%)	0.10	Ok
Mass 219 Precursor (<= 6%)	0.13	Ok
Mass 502 Precursor (<= 12%)	0.33	Ok
Testing for a leak in the system		
Ratio of 18 to 69 (<20%)	0.90	Ok
Ratio of 28 to 69 (<10%)	2.95	Ok
Electron Multiplier Voltage	1388	Ok

Tune portion of System Verification passed.

MAY 0 7 2024

Sequence.Log

Starting Batch Mon May 06 16:55:46 2024

VERIFICATION of C:\msdchem\1\sequence\Special sequences\AGILENT 1 PERFORMANCE

No Cutoff or Calibrator found to be run with BCCL GENDRUG METHOD.M
Continuing with NO Calibration Table!
No Cutoff or Calibrator found to be run with DRUGTEST50_20X.M
Continuing with NO Calibration Table!
No Cutoff or Calibrator found to be run with DRUGTEST50-FHTI.M
Continuing with NO Calibration Table!

End of Verification : Mon May 06 16:55:55 2024

RESULT: Batch Sequence File OK.

Batch Start Time: Mon May 06 16:55:56 2024
Pre-Batch File Name: C:\msdchem\1\sequence\Special sequences\AGILENT 1 PERFORMANCE CHECK.S
Instrument Name: SD GCMS #1
Comment:
Operator: SD GCMS 1
Batch Data Path: D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERIFICATION\050624\06MAY24A.04P\

Line	Type	Vial	DataFile	Method	Sample Name
	No Calibration History found for C:\MSDCHEM\1\METHODS\BCCL GENDRUG METHOD.M				
1)	Blank	30	Blank (C-22-0046B) - PRE-CONDITIONING RUN		
	Datafile		BLANK 1		
	Method		BCCL GENDRUG METHOD		
2)	Blank	99	Blank (C-19-0068) - BLANK PRIOR TO CAYMAN GC/		
	Datafile		BLANK 2		
	Method		BCCL GENDRUG METHOD		
3)	Specimen	100	Cayman GCMS Mix 3 (R-22-004)		
	Datafile		SD GCMS 1 PC - 050624-001		
	Method		BCCL GENDRUG METHOD		
4)	Specimen	1	delta-9 THC (R-24-010)		
	Datafile		SD GCMS 1 PC - 050624-002		
	Method		BCCL GENDRUG METHOD		
5)	Specimen	2	MDMB-4en-PINACA (R-22-032)		
	Datafile		SD GCMS 1 PC - 050624-003		
	Method		BCCL GENDRUG METHOD		
6)	Specimen	3	4-fluoro-MDMB BUTINACA (R-22-031)		
	Datafile		SD GCMS 1 PC - 050624-004		
	Method		BCCL GENDRUG METHOD		
7)	Specimen	4	ADB-5Br-INACA (S-22-067)		
	Datafile		SD GCMS 1 PC - 050624-005		
	Method		BCCL GENDRUG METHOD		
8)	Specimen	5	delta-8 THC (S-19-051) - EXPIRED		
	Datafile		SD GCMS 1 PC - 050624-006		
	Method		BCCL GENDRUG METHOD		
9)	Blank	30	Blank (C-22-0046B) - PRE-CONDITIONING RUN		
	Datafile		BLANK 3		
	Method		BCCL GENDRUG METHOD		
10)	Specimen	6	Flunitrazepam (R-21-028)		
	Datafile		SD GCMS 1 PC - 050624-007		
	Method		BCCL GENDRUG METHOD		
11)	Specimen	7	Butalbital (R-21-012)		
	Datafile		SD GCMS 1 PC - 050624-008		
	Method		BCCL GENDRUG METHOD		

MAY 07 2024

```
12) Specimen       8  Clonazolam (S-21-010)
     Datafile         SD GCMS 1 PC - 050624-009
     Method           BCCL GENDRUG METHOD
13) Specimen       9  4'chloro-Deschloroalprazolam (R-22-055)
     Datafile         SD GCMS 1 PC - 050624-010
     Method           BCCL GENDRUG METHOD
14) Specimen      10  Promethazine (S-21-020) - EXPIRED
     Datafile         SD GCMS 1 PC - 050624-011
     Method           BCCL GENDRUG METHOD
15) Blank         30  Blank (C-22-0046B) - PRE-CONDITIONING RUN
     Datafile         BLANK 4
     Method           BCCL GENDRUG METHOD
16) Specimen      11  Phencyclidine (PCP) (S-24-003)
     Datafile         SD GCMS 1 PC - 050624-012
     Method           BCCL GENDRUG METHOD
    No Calibration History found for C:\MSDCHEM\1\METHODS\DRUGTEST50_20X.M
17) Blank         30  Blank (C-22-0046B) - PRE-CONDITIONING RUN
     Datafile         BLANK 5
     Method           DRUGTEST50_20X
18) Specimen      12  LSD (S-22-038)
     Datafile         SD GCMS 1 PC - 050624-013
     Method           DRUGTEST50_20X
19) Specimen      13  Psilocin (S-22-009)
     Datafile         SD GCMS 1 PC - 050624-014
     Method           DRUGTEST50_20X
20) Specimen      14  Protonitazene (S-23-011)
     Datafile         SD GCMS 1 PC - 050624-015
     Method           DRUGTEST50_20X
21) Specimen      15  Etodesnitazene (S-22-072)
     Datafile         SD GCMS 1 PC - 050624-016
     Method           DRUGTEST50_20X
    No Calibration History found for C:\MSDCHEM\1\METHODS\DRUGTEST50-FHTI.M
22) Blank         30  Blank (C-22-0046B) - PRE-CONDITIONING RUN
     Datafile         BLANK 6
     Method           DRUGTEST50-FHTI
23) Specimen      16  Sildenafil (R-22-029)
     Datafile         SD GCMS 1 PC - 050624-017
     Method           DRUGTEST50-FHTI
    No Calibration History found for C:\MSDCHEM\1\METHODS\BCCL GENDRUG METHOD.M
24) Blank         30  Blank (C-22-0046B) - PRE-CONDITIONING RUN
     Datafile         BLANK 7
     Method           BCCL GENDRUG METHOD
25) Specimen      17  Buprenorphine (S-22-008)
     Datafile         SD GCMS 1 PC - 050624-018
     Method           BCCL GENDRUG METHOD
26) Specimen      18  Hydrocodone (R-23-023)
     Datafile         SD GCMS 1 PC - 050624-019
     Method           BCCL GENDRUG METHOD
27) Specimen      19  Tramadol (S-24-004)
     Datafile         SD GCMS 1 PC - 050624-020
     Method           BCCL GENDRUG METHOD
28) Specimen      20  Oxycodone (S-22-034)
     Datafile         SD GCMS 1 PC - 050624-021
     Method           BCCL GENDRUG METHOD
29) Specimen      21  Codeine (S-23-022)
     Datafile         SD GCMS 1 PC - 050624-022
     Method           BCCL GENDRUG METHOD
30) Blank         30  Blank (C-22-0046B) - PRE-CONDITIONING RUN
     Datafile         BLANK 8
     Method           BCCL GENDRUG METHOD
31) Specimen      22  o-fluoro-Fentanyl (S-22-062)
     Datafile         SD GCMS 1 PC - 050624-023
     Method           BCCL GENDRUG METHOD
```

DS

MAY 0 7 2024

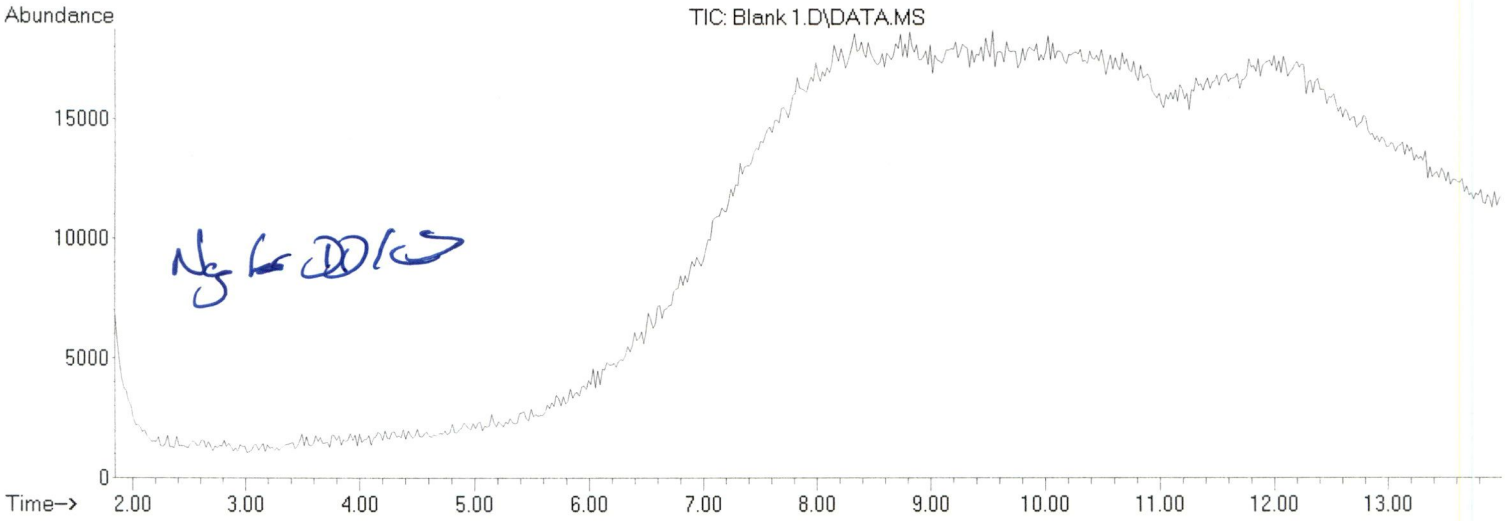
Sequence.Log

32)	Specimen	23	p-fluoro-Fentanyl (S-22-063)
	Datafile		SD GCMS 1 PC - 050624-024
	Method		BCCL GENDRUG METHOD
33)	Specimen	24	m-fluoro-Fentanyl (S-22-065) - EXPIRED
	Datafile		SD GCMS 1 PC - 050624-025
	Method		BCCL GENDRUG METHOD
34)	Blank	30	Blank (C-22-0046B) - PRE-CONDITIONING RUN
	Datafile		BLANK 9
	Method		BCCL GENDRUG METHOD
35)	Specimen	25	Testosterone enanthate (R-18-041)
	Datafile		SD GCMS 1 PC - 050624-026
	Method		BCCL GENDRUG METHOD
36)	Specimen	26	a-Androstan-17a-methyl-3B-17B-diol (S-23-002)
	Datafile		SD GCMS 1 PC - 050624-027
	Method		BCCL GENDRUG METHOD
37)	Blank	30	Blank (C-22-0046B) - PRE-CONDITIONING RUN
	Datafile		BLANK 10
	Method		BCCL GENDRUG METHOD
38)	Specimen	27	Eutylone (S-22-011)
	Datafile		SD GCMS 1 PC - 050624-028
	Method		BCCL GENDRUG METHOD
39)	Specimen	28	3,4-Methylenedioxy-a-cyclohexylaminopropiophe
	Datafile		SD GCMS 1 PC - 050624-029
	Method		BCCL GENDRUG METHOD
40)	Specimen	29	Amphetamine (S-21-013) - EXPIRED
	Datafile		SD GCMS 1 PC - 050624-030
	Method		BCCL GENDRUG METHOD
41)	Blank	30	Blank (C-22-0046B) - PRE-CONDITIONING RUN
	Datafile		BLANK 11
	Method		BCCL GENDRUG METHOD

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 1.D
Operator : SD GCMS 1
Acquired : 6 May 2024 4:57 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

MAY 07 2024

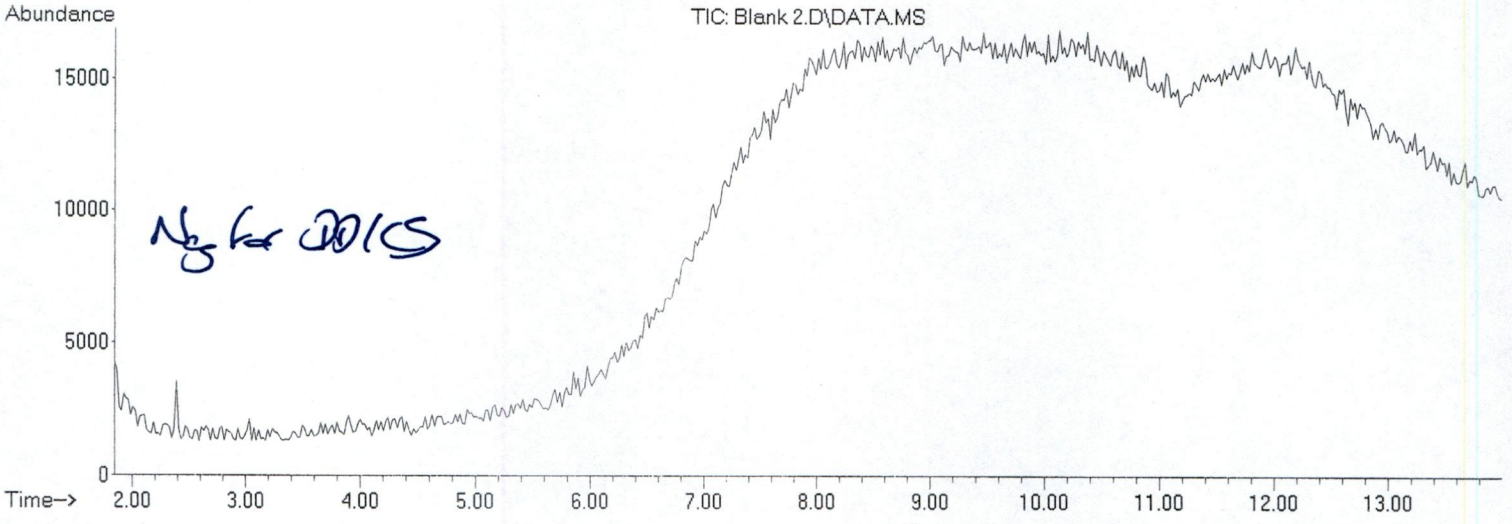


Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 2.D
Operator : SD GCMS 1
Acquired : 6 May 2024 5:15 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Blank (C-19-0068) - BLANK PRIOR TO CAYMAN GC/ 000002790
Misc Info : ACN Blank
Vial Number: 99

MAY 07 2024



Retention Time	Area	Area %	Ratio %

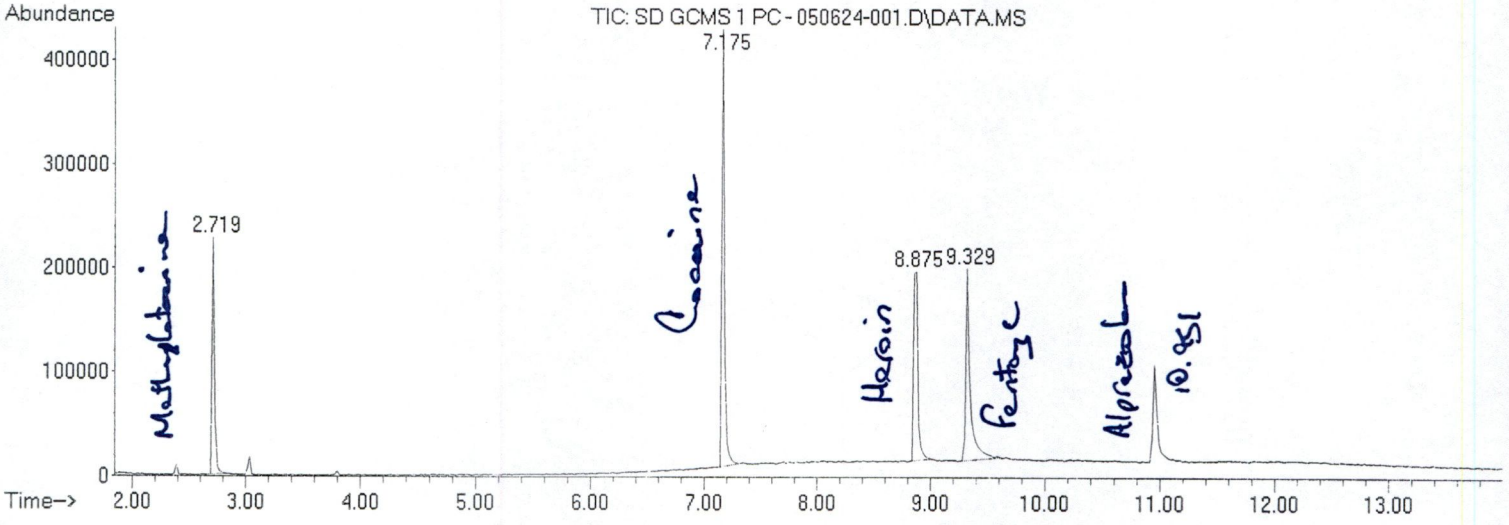
DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-001.D
Operator : SD GCMS 1
Acquired : 6 May 2024 5:33 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Cayman GCMS Mix 3 (R-22-004) 000002791
Misc Info : RT determination
Vial Number: 100

DS

MAY 07 2024



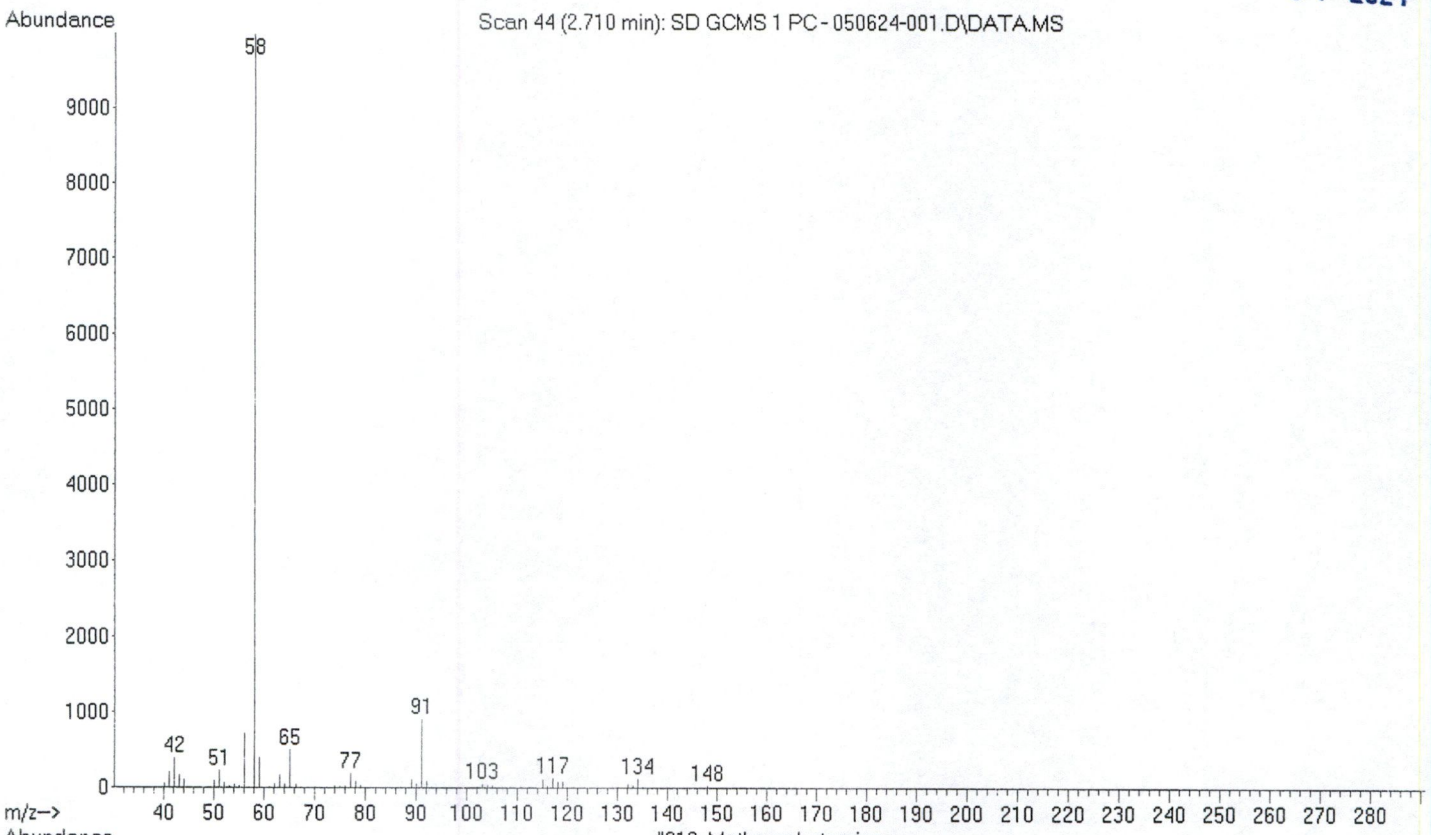
Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
2.719	3511906	17.221	51.732
7.175	6788684	33.290	100.000
8.875	5062260	24.824	74.569
9.329	5030006	24.666	74.094

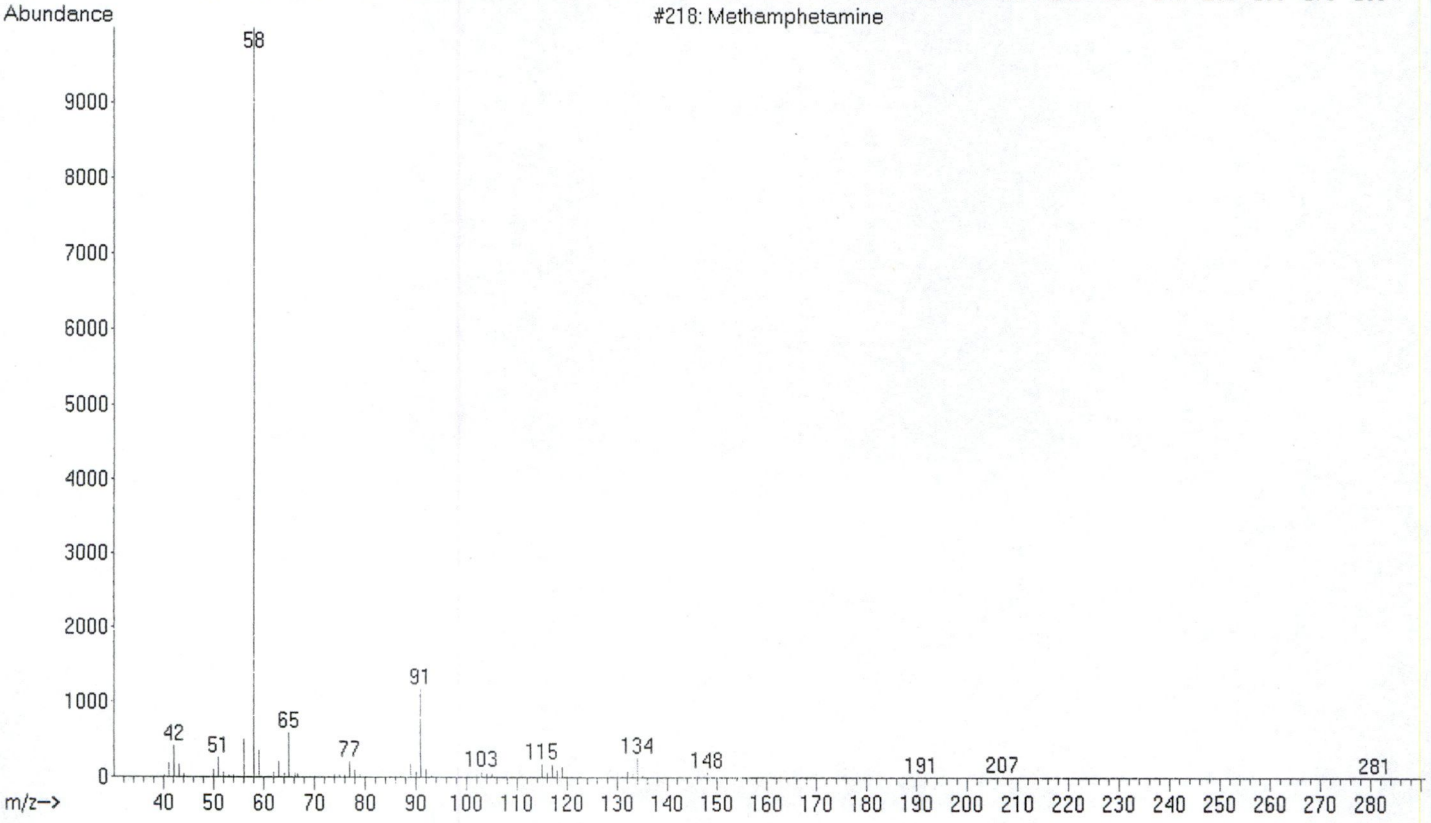
DS

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-001.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 5:33 pm using AcqMethod BCCL.M
Sample Name: Cayman GCMS Mix 3 (R-22-004) 000002791 ✓
Misc Info : RT determination

DS

MAY 07 2024



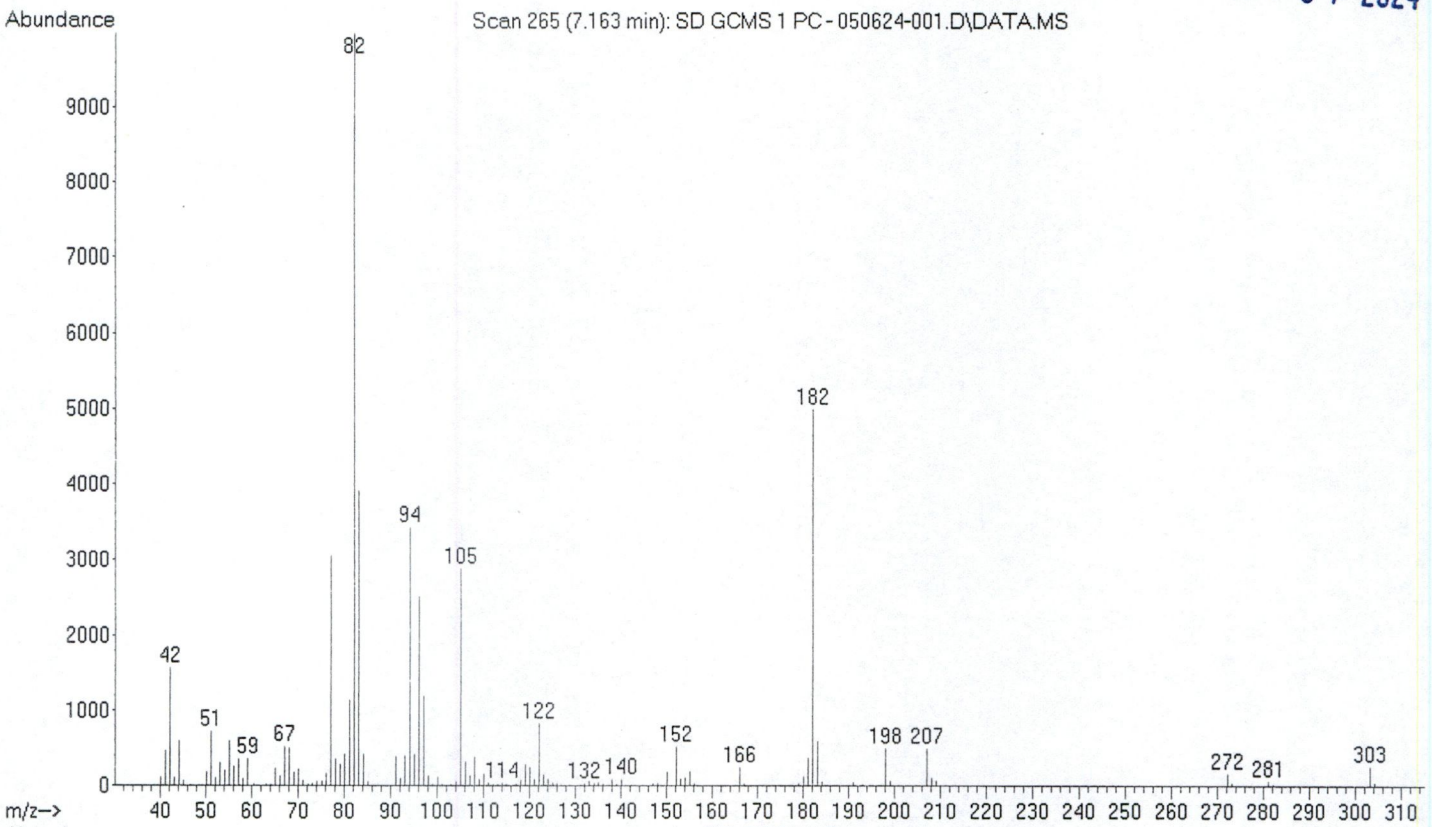


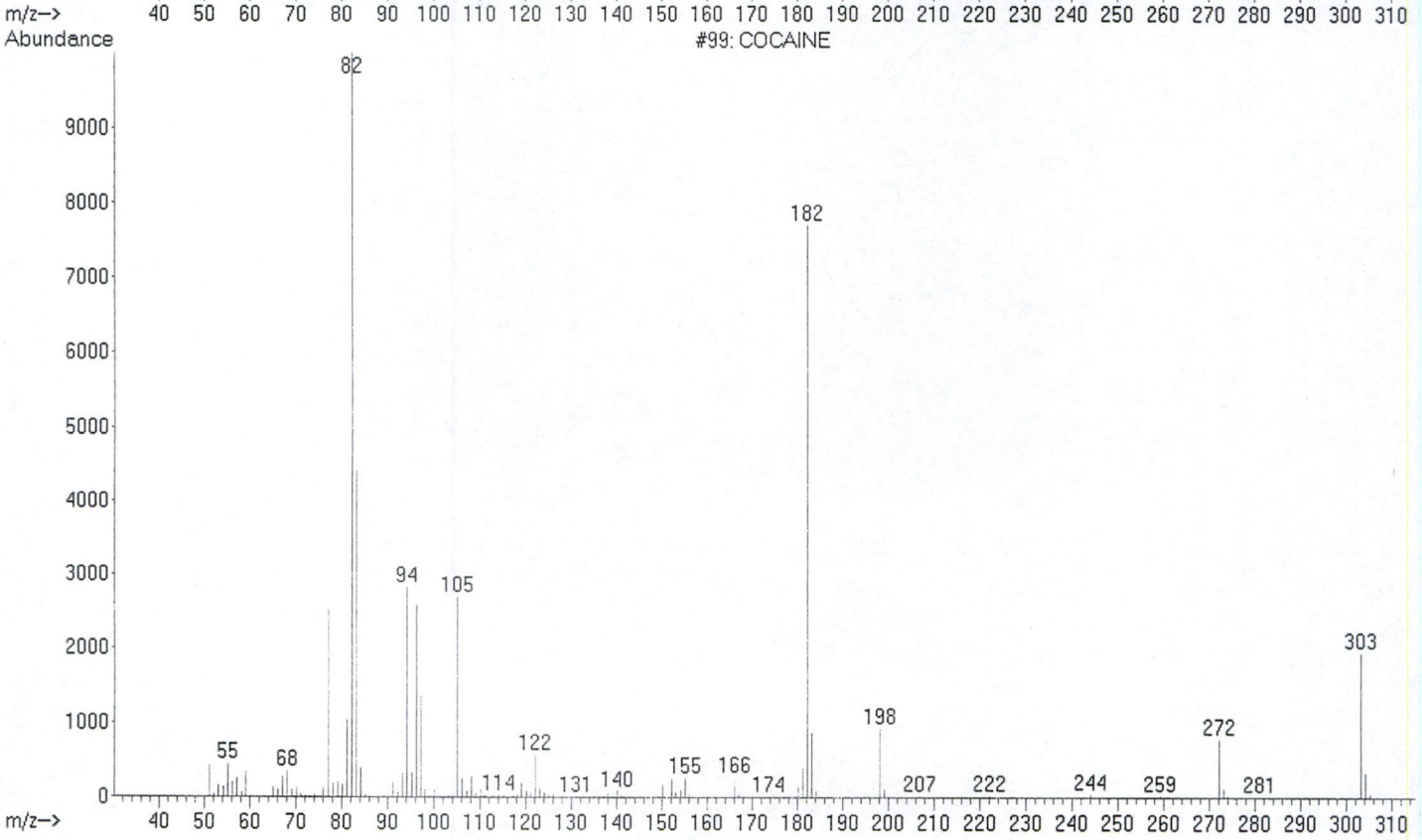
DS

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-001.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024   5:33 pm using AcqMethod BCCL.M
Sample Name: Cayman GCMS Mix 3 (R-22-004)                  000002791
Misc Info  : RT determination
```

DS

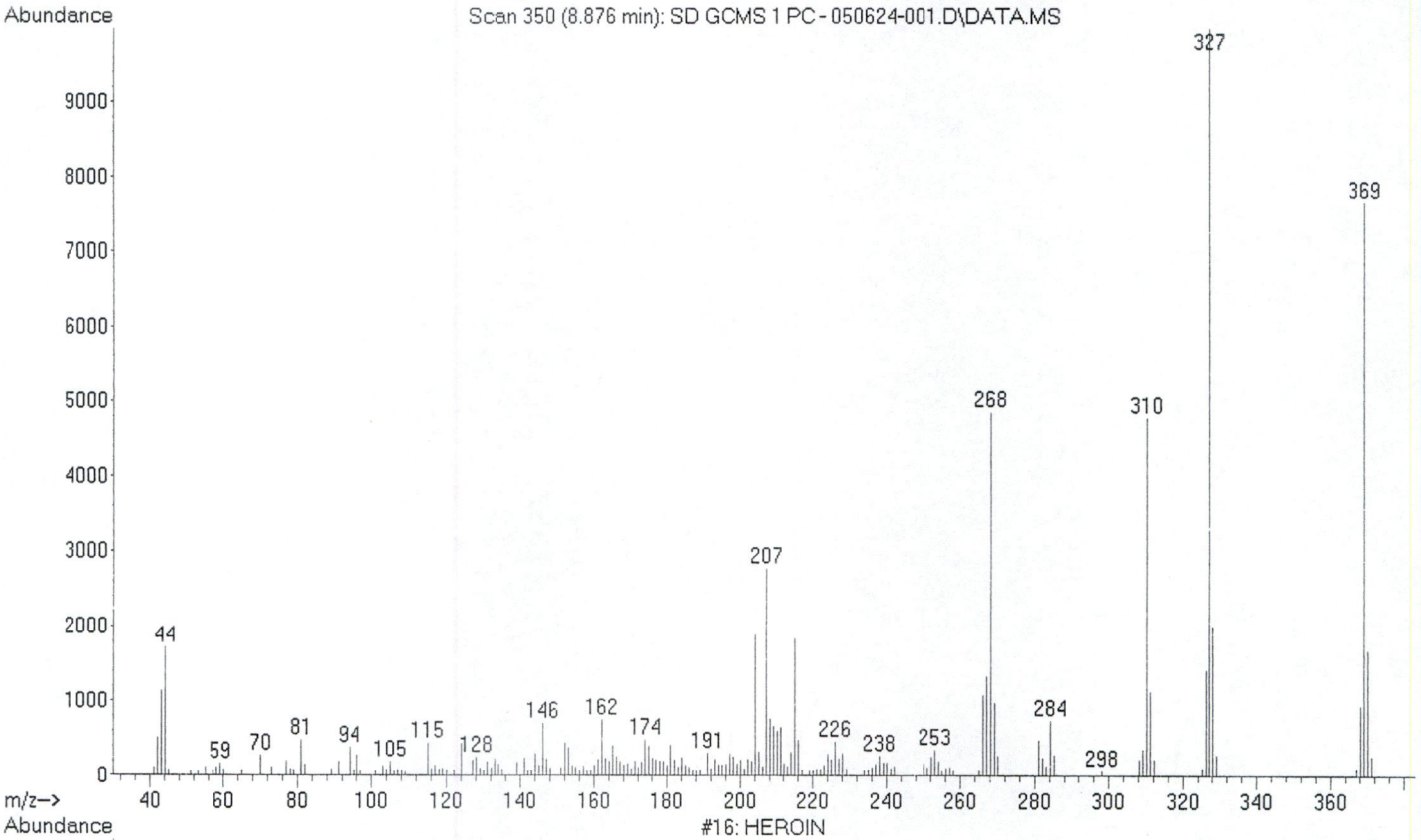
MAY 07 2024

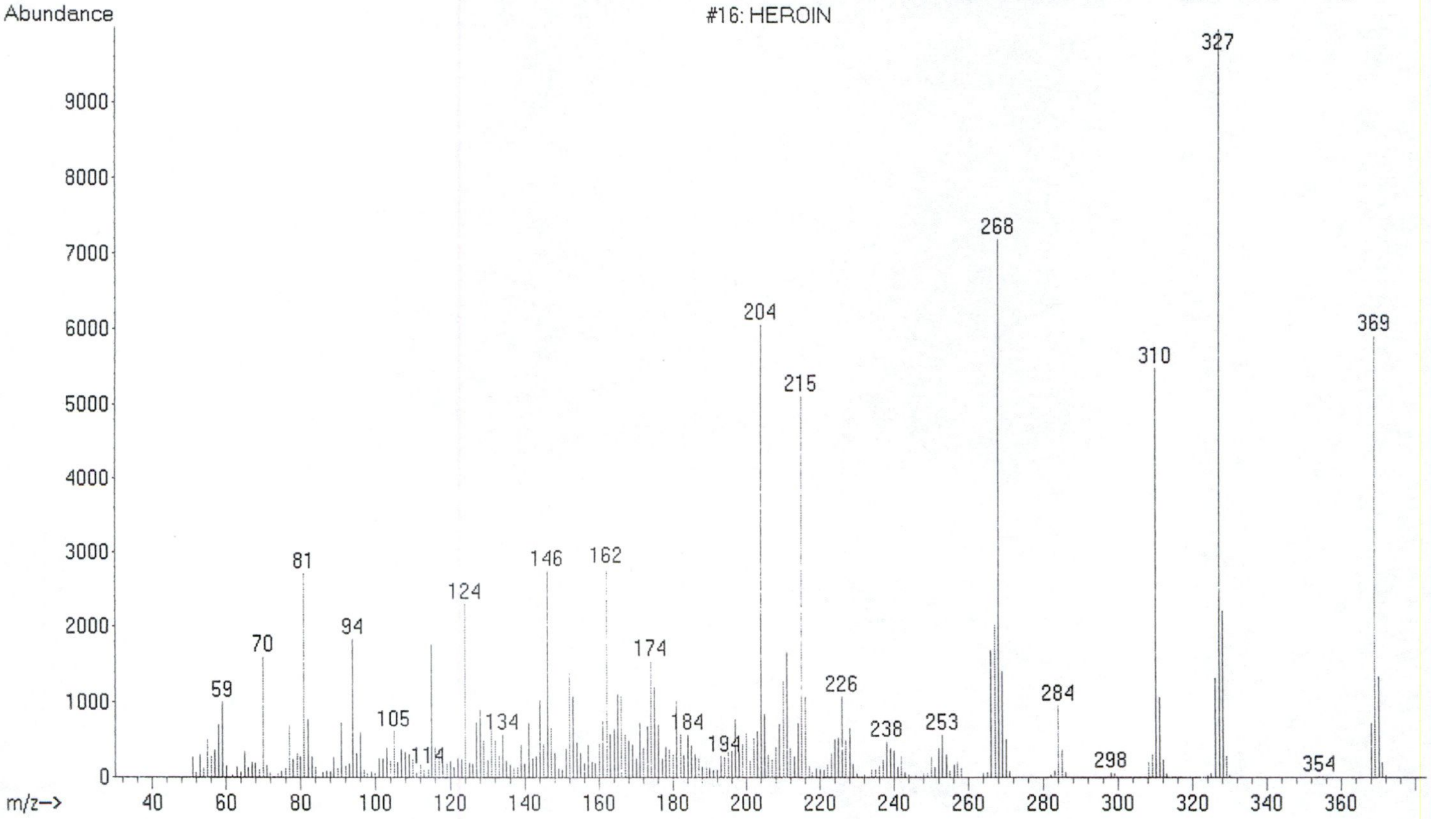




```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-001.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024   5:33 pm using AcqMethod BCCL.M
Sample Name: Cayman GCMS Mix 3 (R-22-004)                    000002791
Misc Info  : RT determination
```

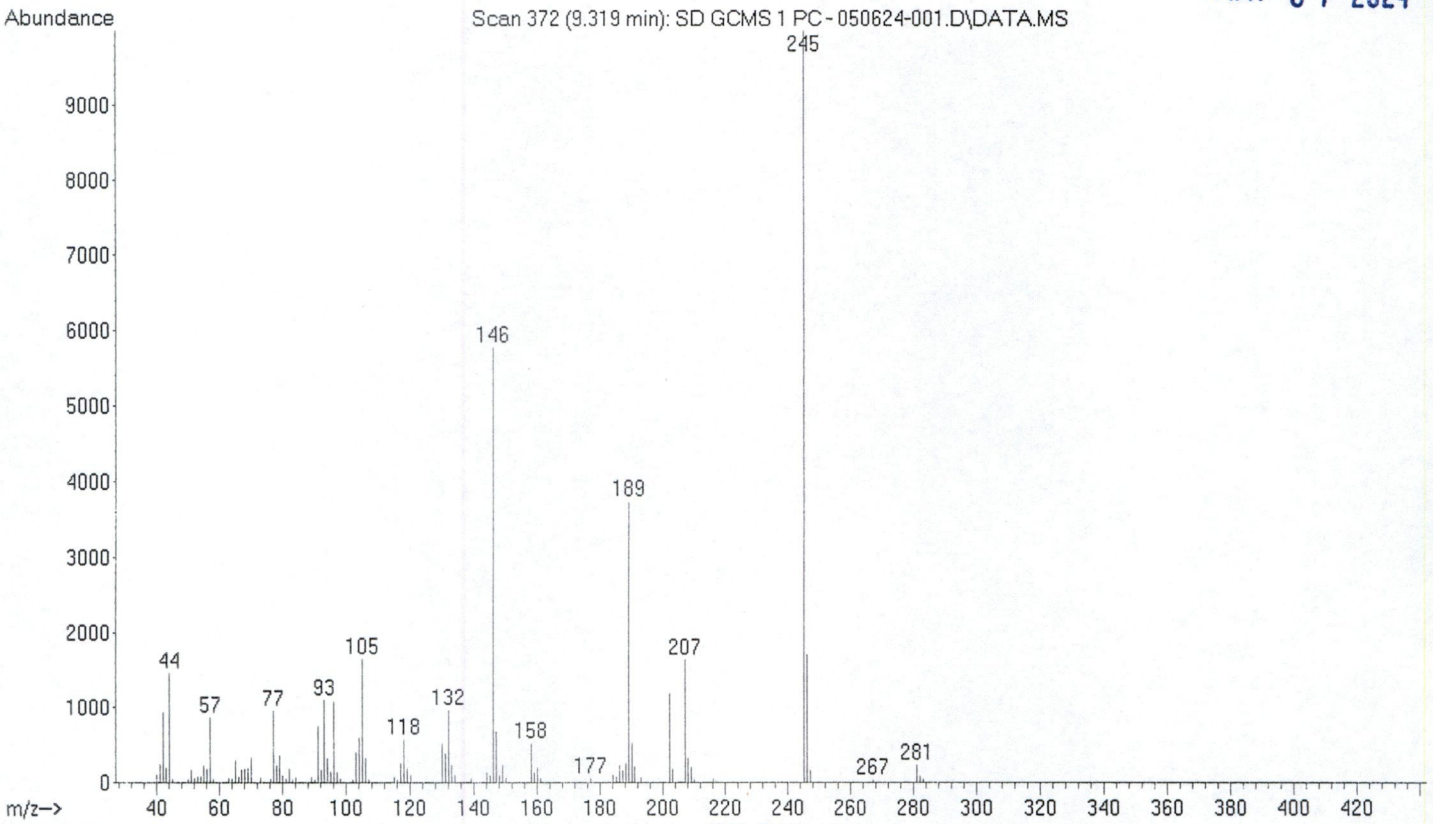
MAY 07 2024

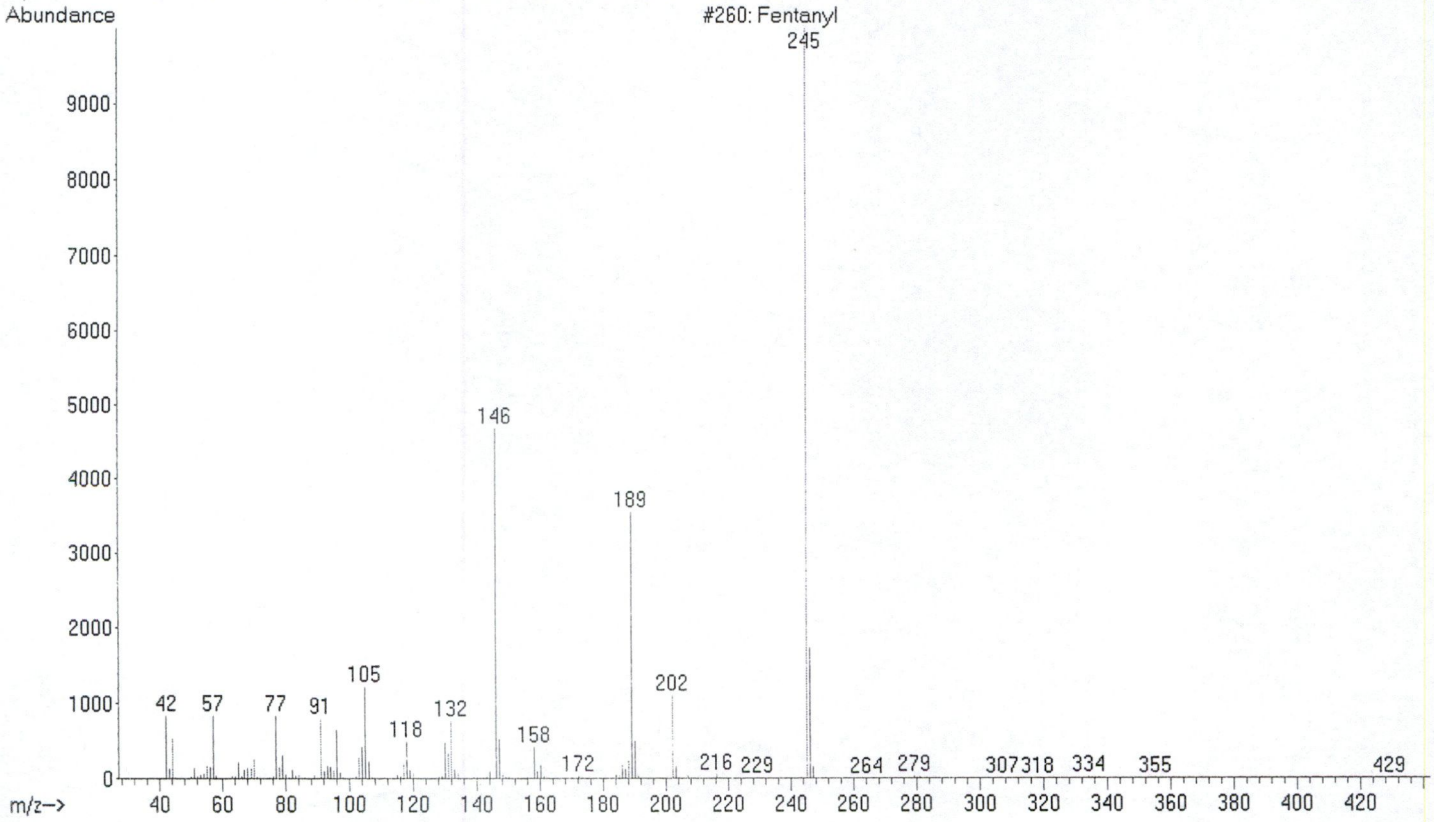




```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-001.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024   5:33 pm using AcqMethod BCCL.M
Sample Name: Cayman GCMS Mix 3 (R-22-004)                    000002791
Misc Info  : RT determination
```

MAY 07 2024

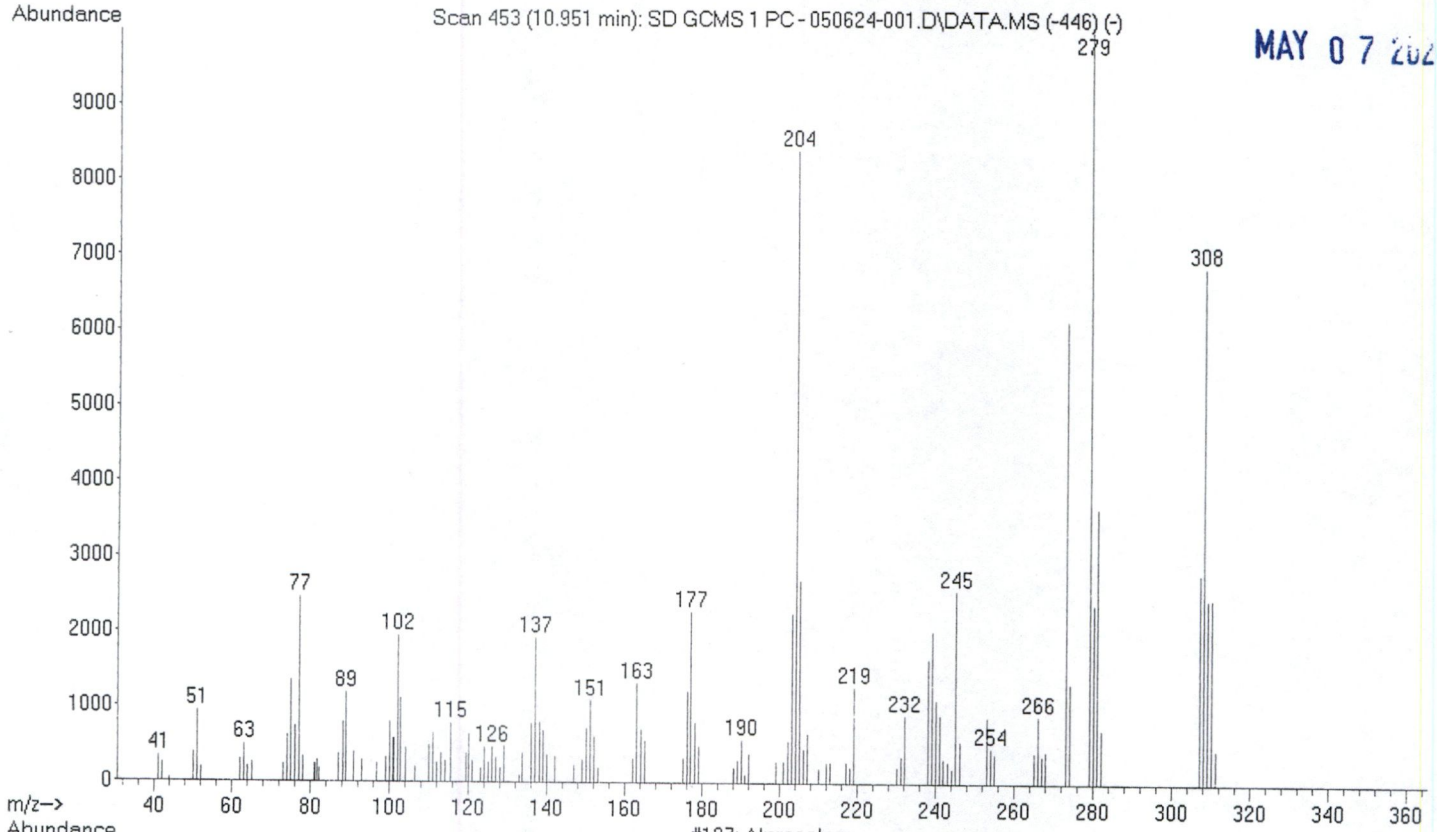


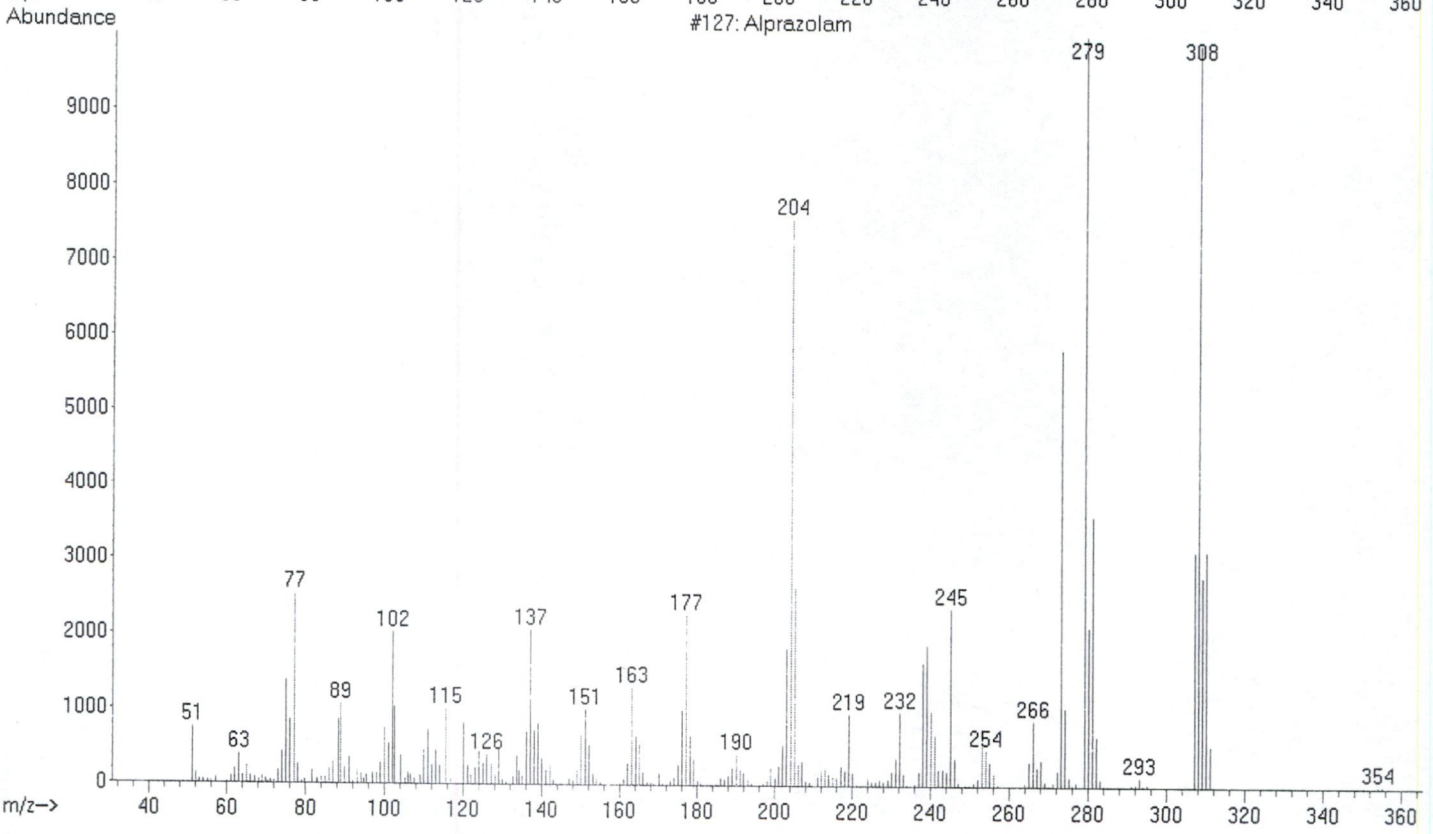


DS

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-001.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 5:33 pm using AcqMethod BCCL.M
Sample Name: Cayman GCMS Mix 3 (R-22-004) 000002791
Misc Info : RT determination

MAY 07 2024

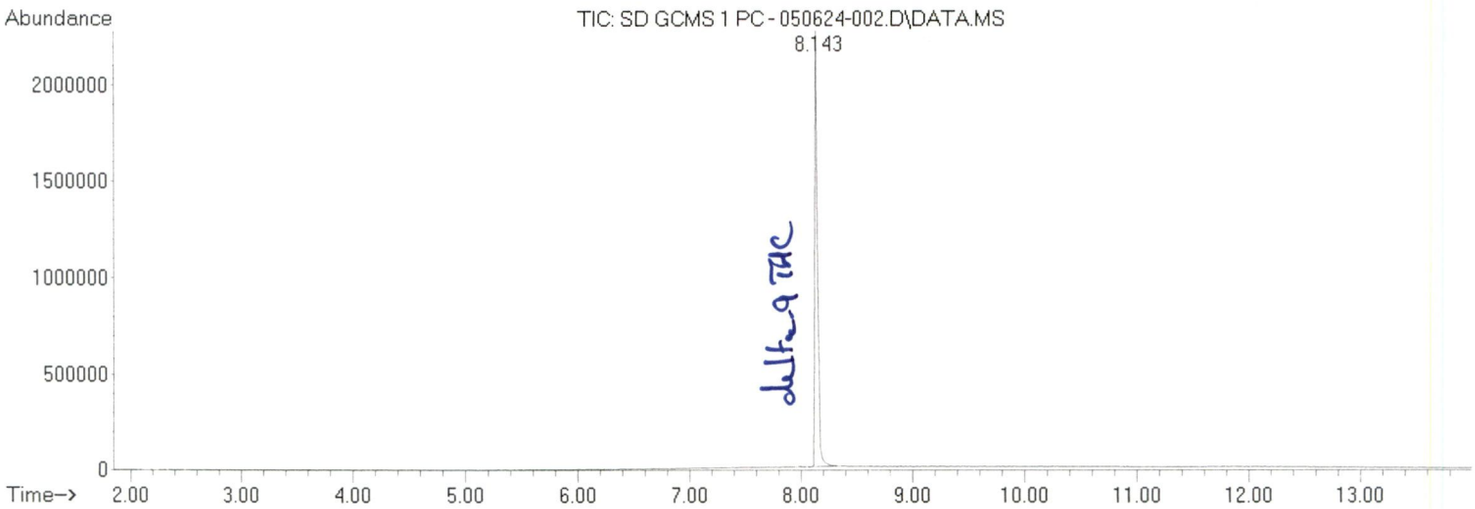




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-002.D
Operator : SD GCMS 1
Acquired : 6 May 2024 5:50 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: delta-9 THC (R-24-010) 000001624
Misc Info : RT determination
Vial Number: 1

MAY 07 2024

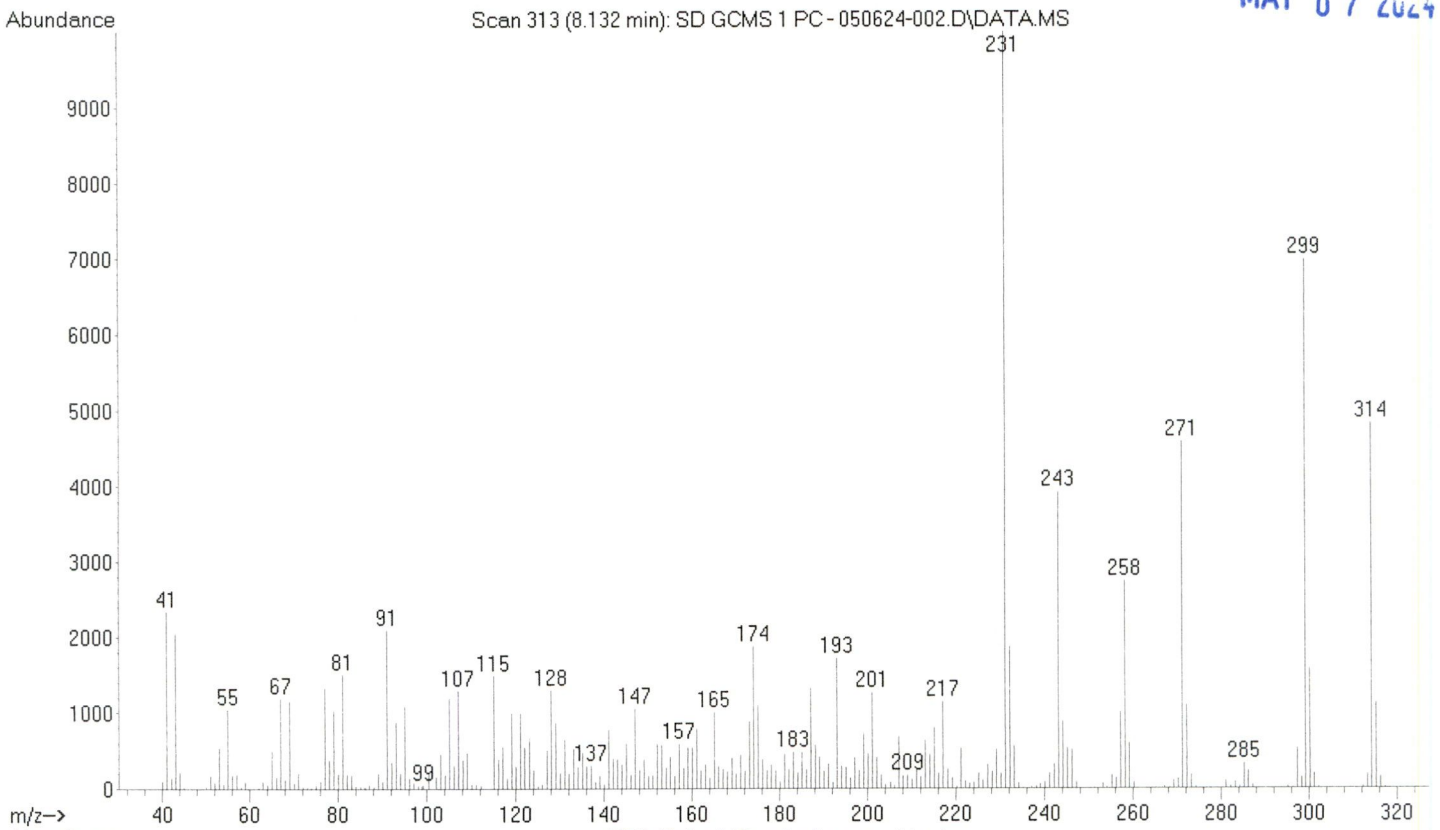


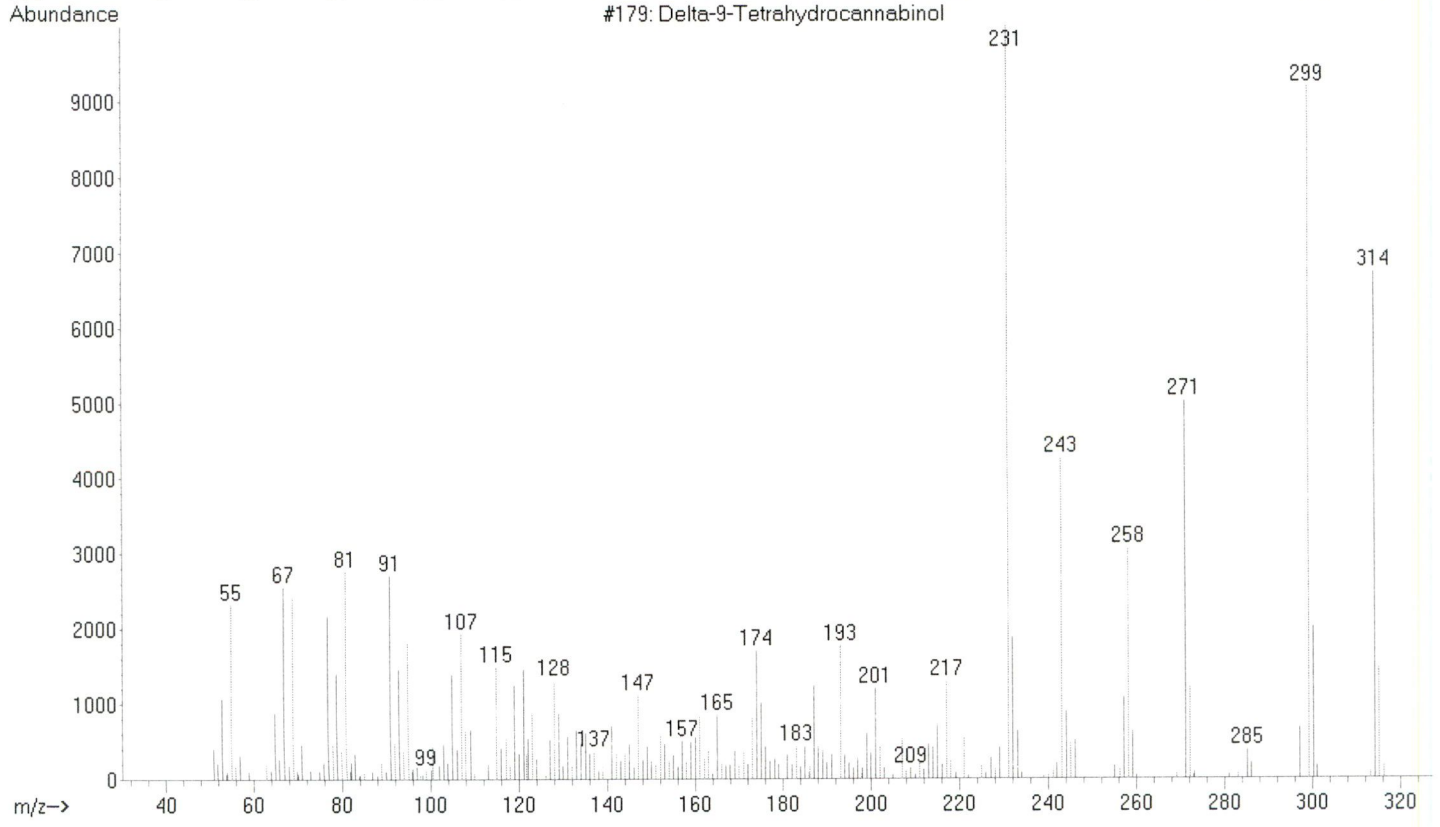
Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
8.143	39492348	100.000	100.000

DS

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-002.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 5:50 pm using AcqMethod BCCL.M
Sample Name: delta-9 THC (R-24-010) 000001624
Misc Info : RT determination

MAY 07 2024





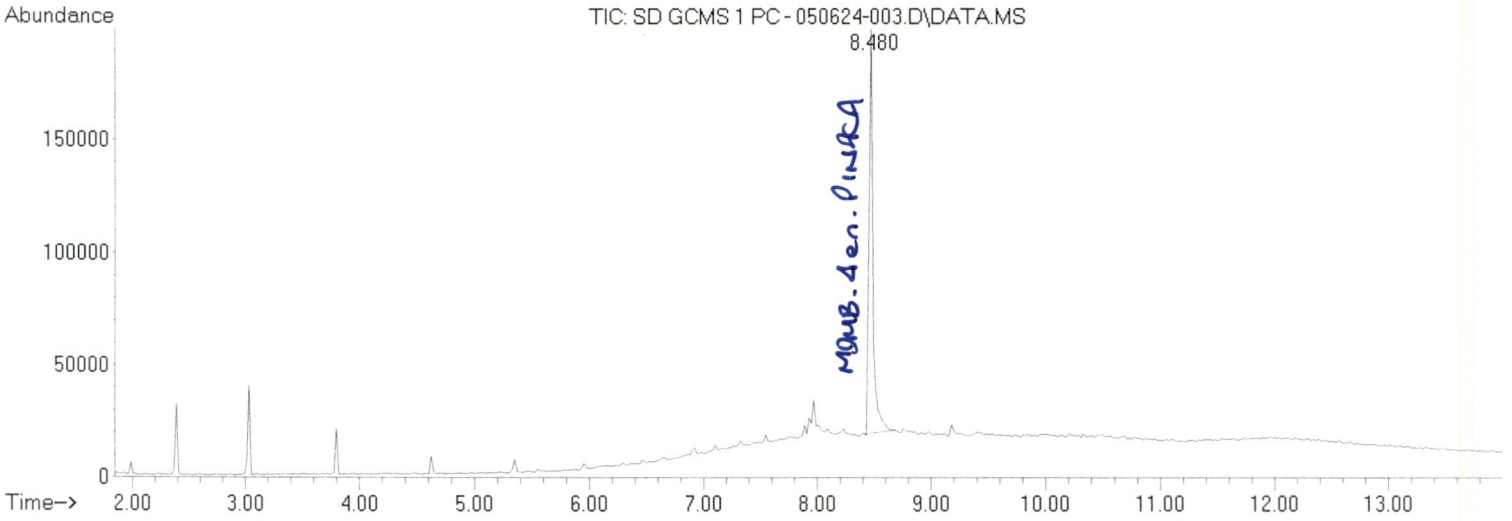
DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-003.D
Operator : SD GCMS 1
Acquired : 6 May 2024 6:08 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: MDMB-4en-PINACA (R-22-032) 000001341
Misc Info : RT determination
Vial Number: 2

DS

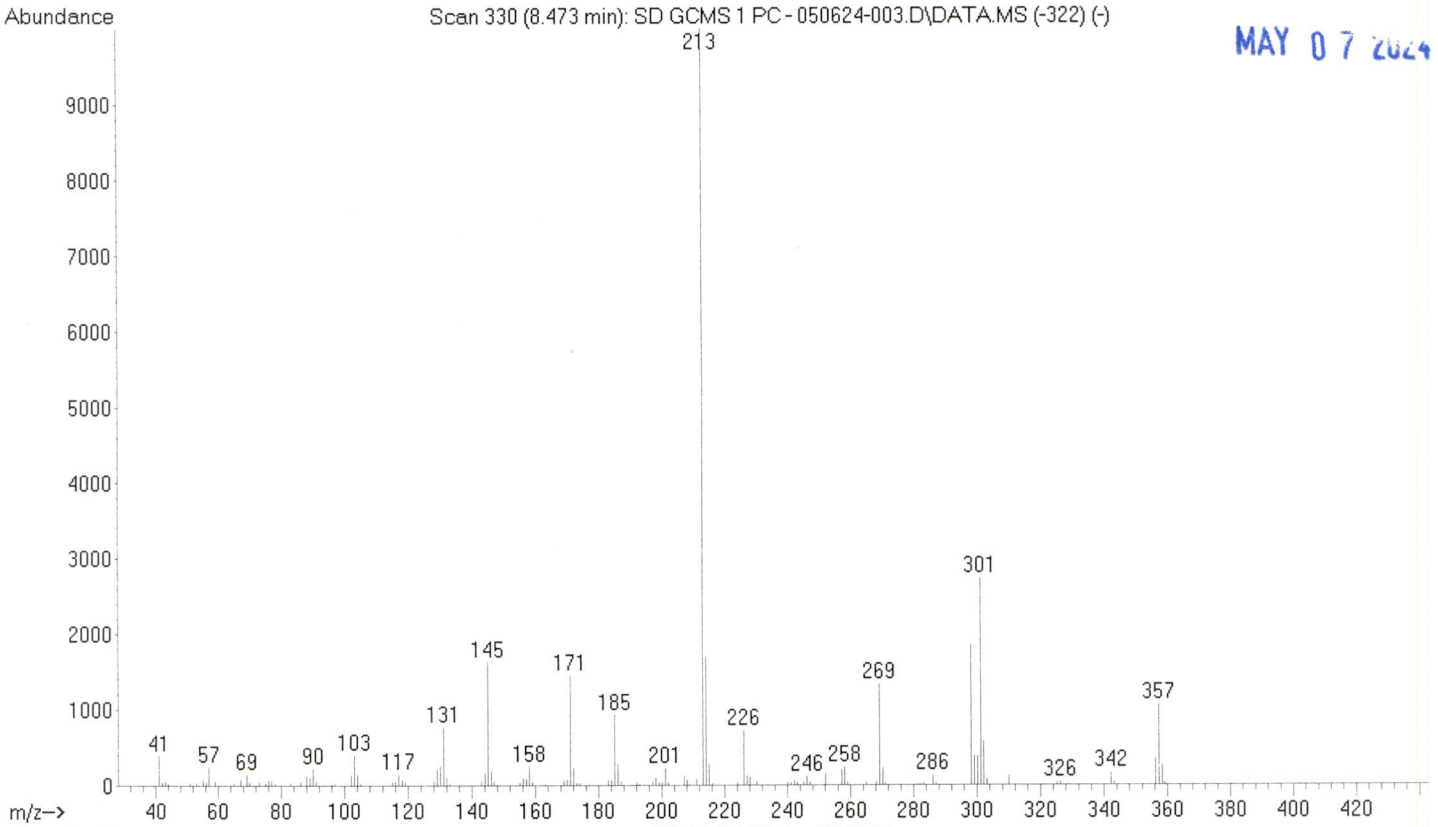
MAY 07 2024

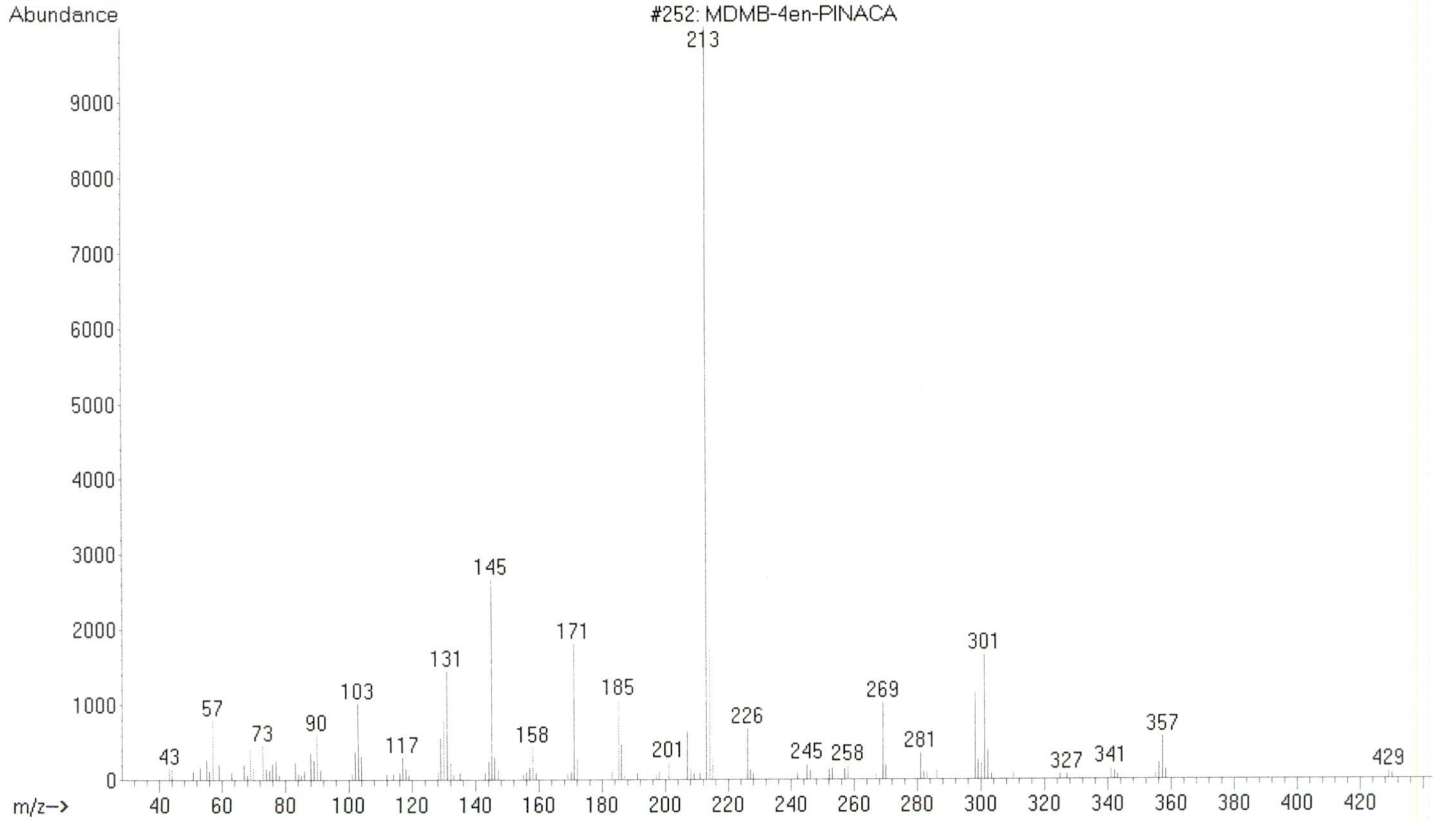


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
8.480	4193672	100.000	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-003.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 6:08 pm using AcqMethod BCCL.M
Sample Name: MDMB-4en-PINACA (R-22-032) 000001341
Misc Info : RT determination

MAY 07 2024

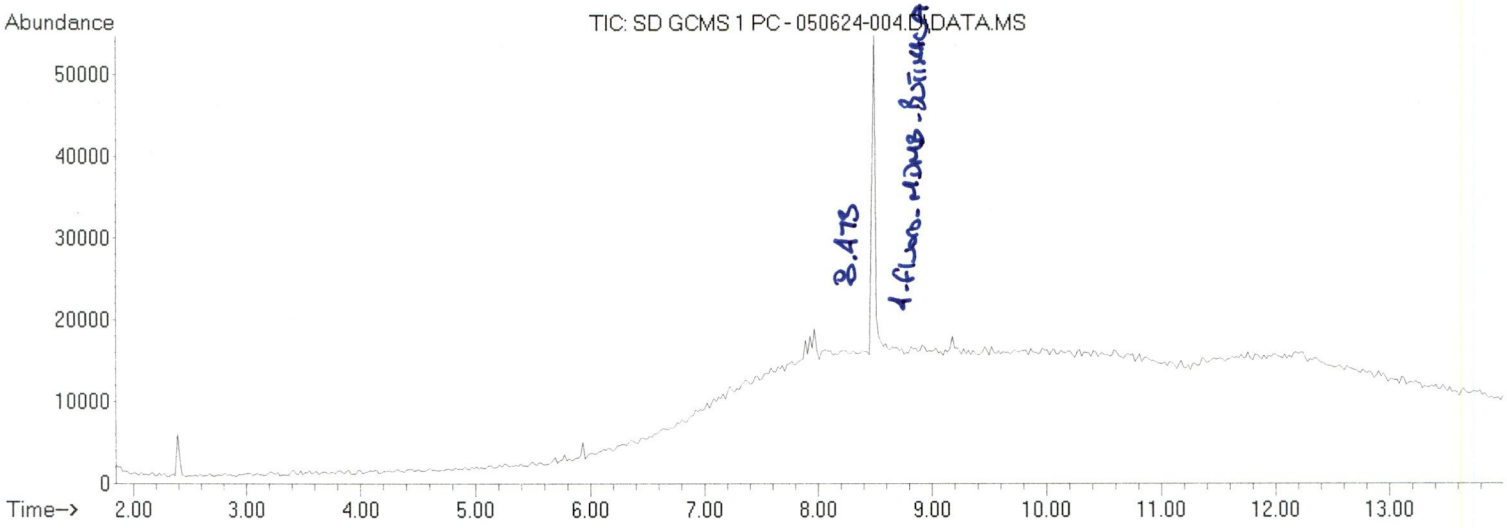




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-004.D
Operator : SD GCMS 1
Acquired : 6 May 2024 6:26 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: 4-fluoro-MDMB BUTINACA (R-22-031) 000001335
Misc Info : RT determination
Vial Number: 3

MAY 07 2024



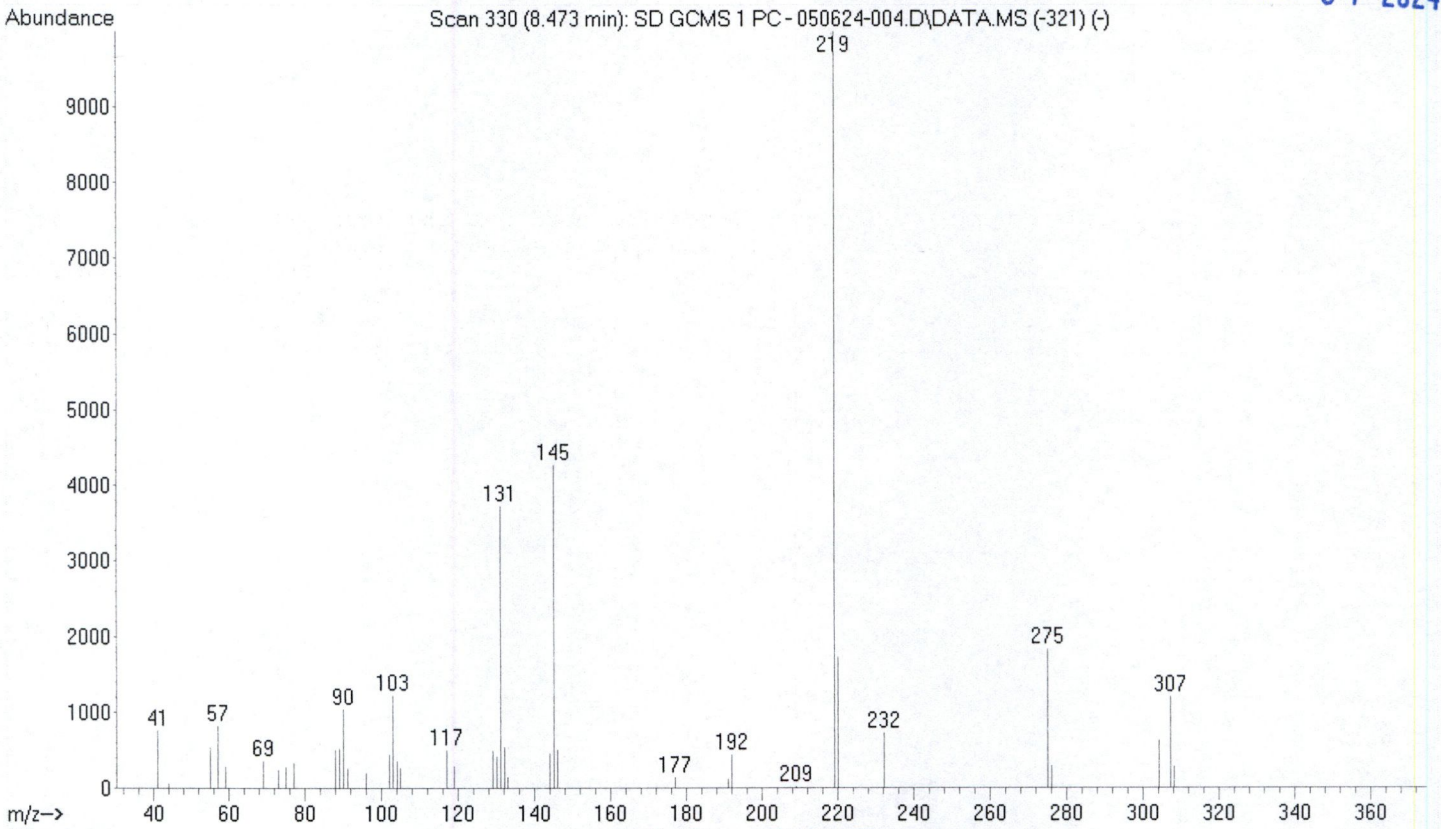
Retention Time	Area	Area %	Ratio %

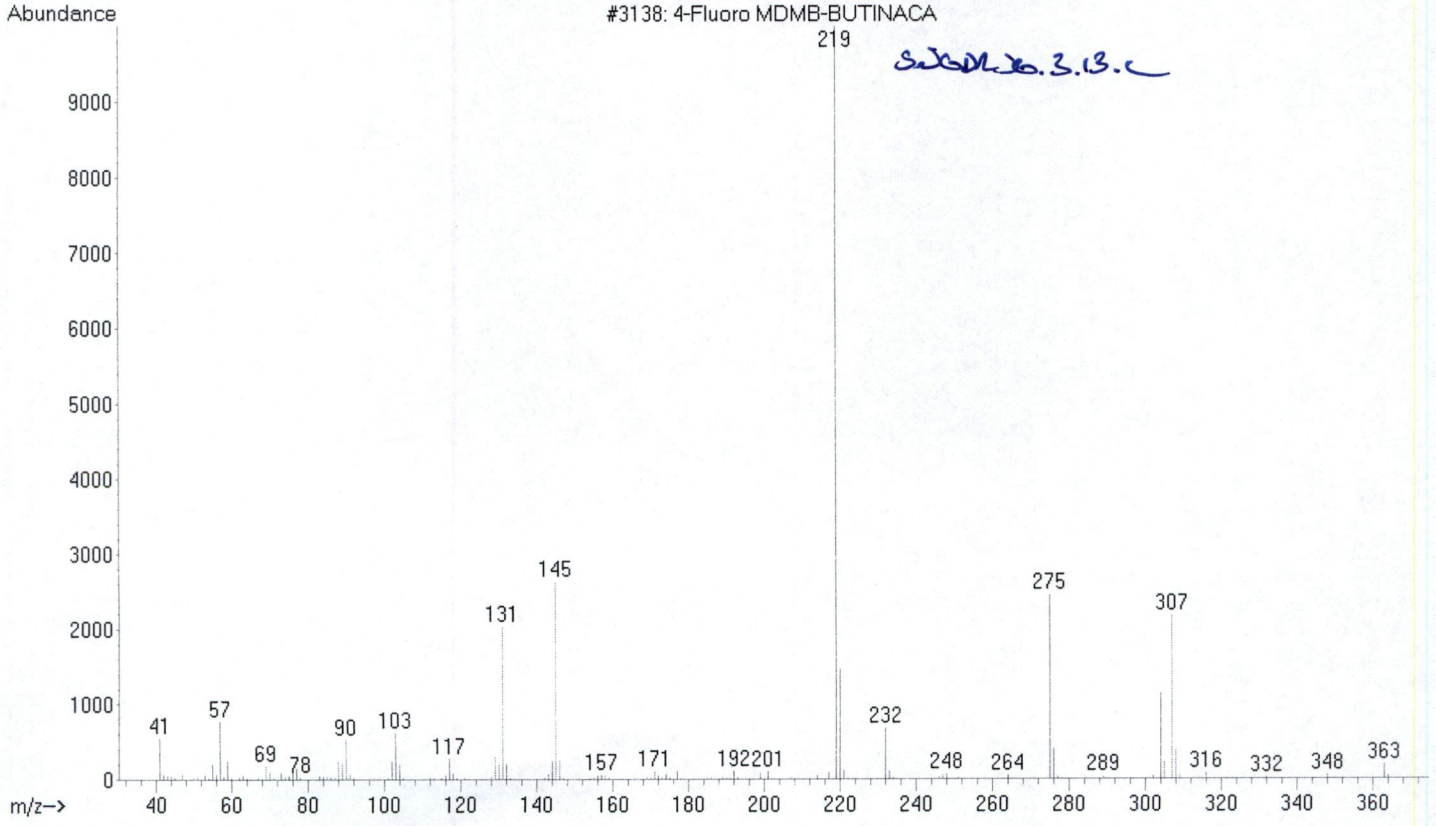
DS

```
File        :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...          ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-004.D
Operator    : SD GCMS 1
Instrument  :   SD GCMS #1
Acquired    :  6 May 2024   6:26 pm using AcqMethod BCCL.M
Sample Name: 4-fluoro-MDMB BUTINACA (R-22-031)              000001335
Misc Info   : RT determination
```

DS

MAY 0 7 2024





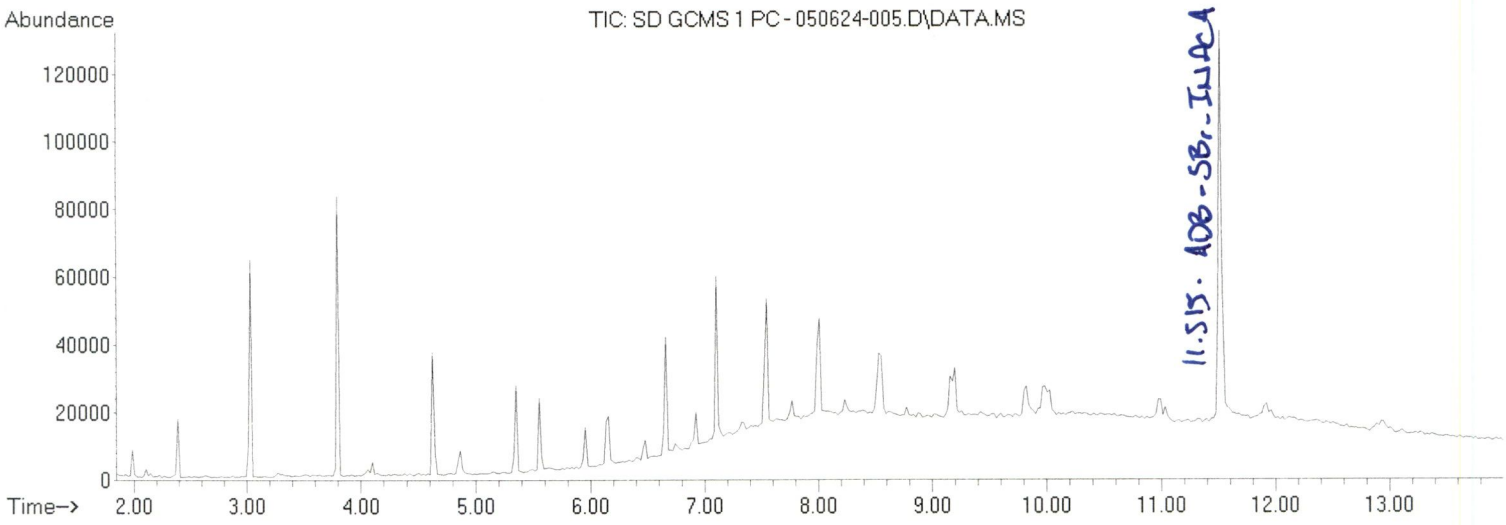
SJDM.26.3.13.c

DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-005.D
Operator : SD GCMS 1
Acquired : 6 May 2024 6:43 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: ADB-5Br-INACA (S-22-067) 000002252 ✓
Misc Info : RT determination
Vial Number: 4

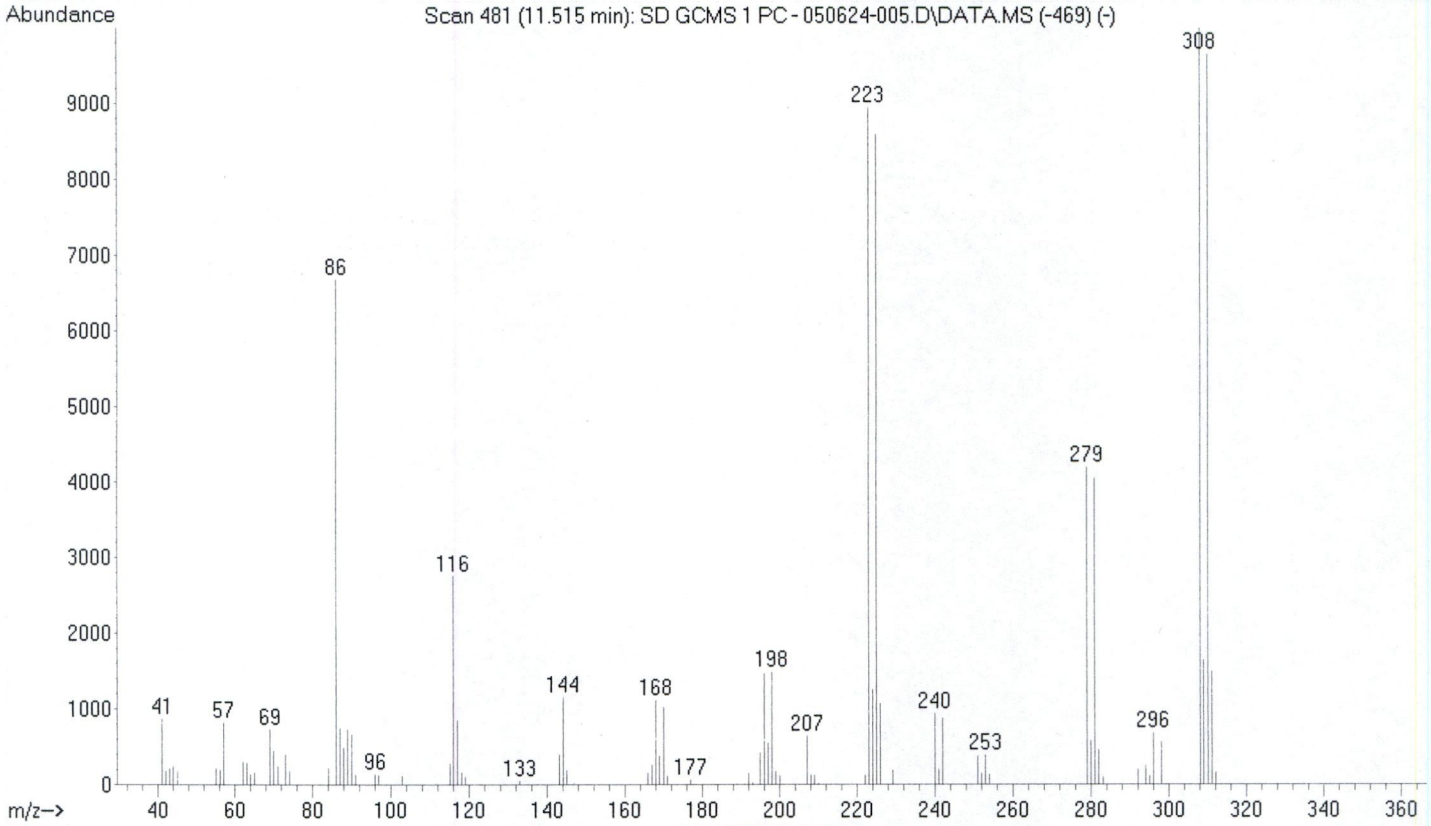
MAY 0 7 2024

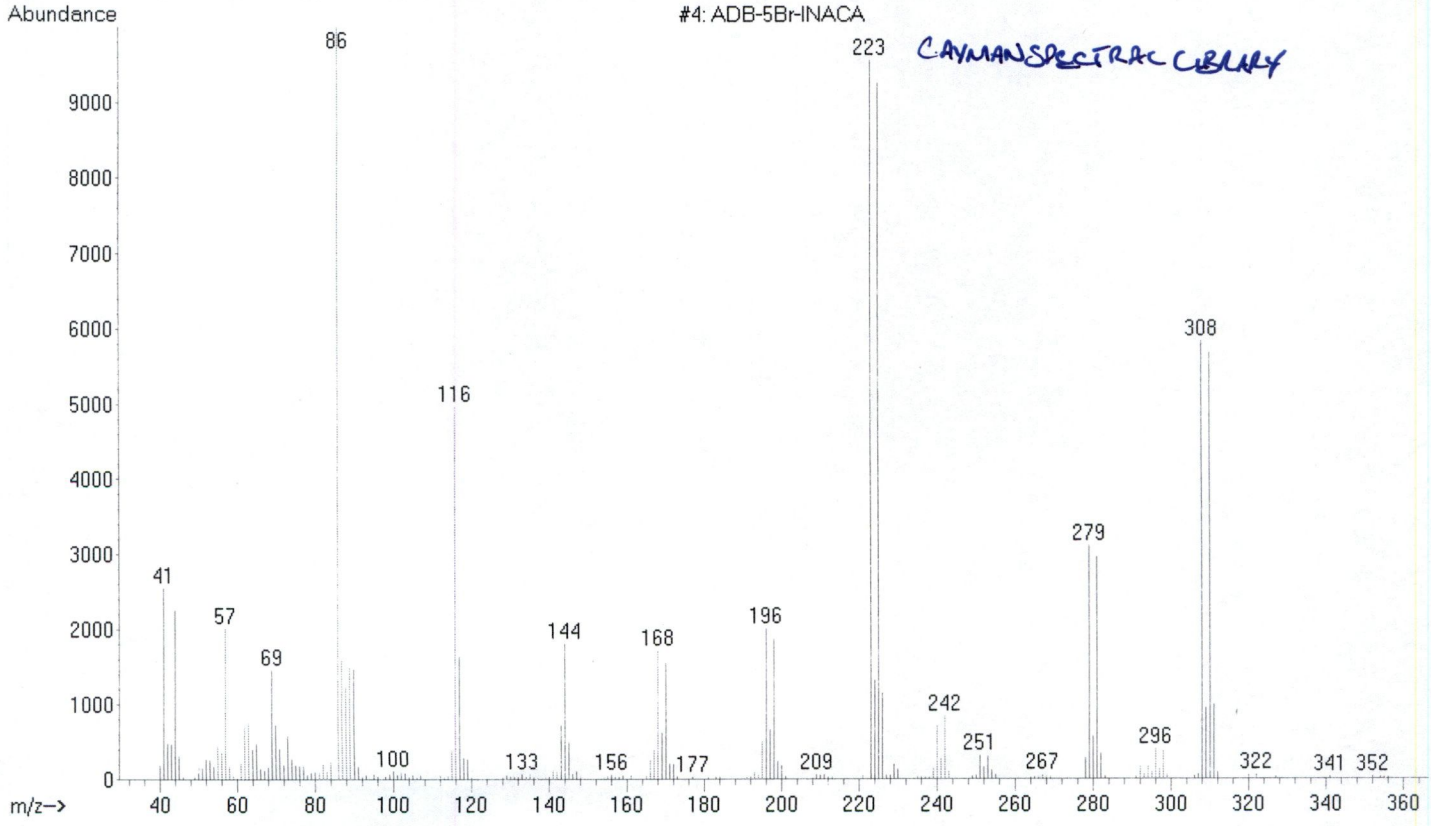


Retention Time	Area	Area %	Ratio %

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-005.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 6:43 pm using AcqMethod BCCL.M
Sample Name: ADB-5Br-INACA (S-22-067) 000002252
Misc Info : RT determination

MAY 0 7 2024



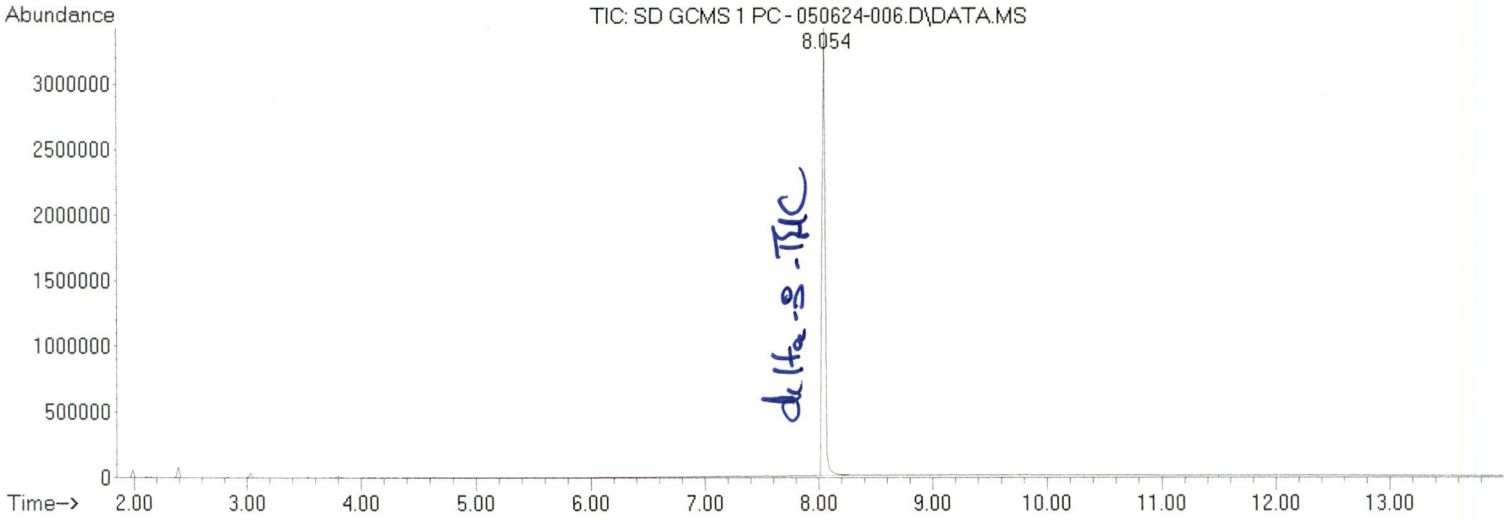


CAYMAN SPECTRAL LIBRARY

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-006.D
Operator : SD GCMS 1
Acquired : 6 May 2024 7:01 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: delta-8 THC (S-19-051) - EXPIRED 000001620
Misc Info : RT determination
Vial Number: 5

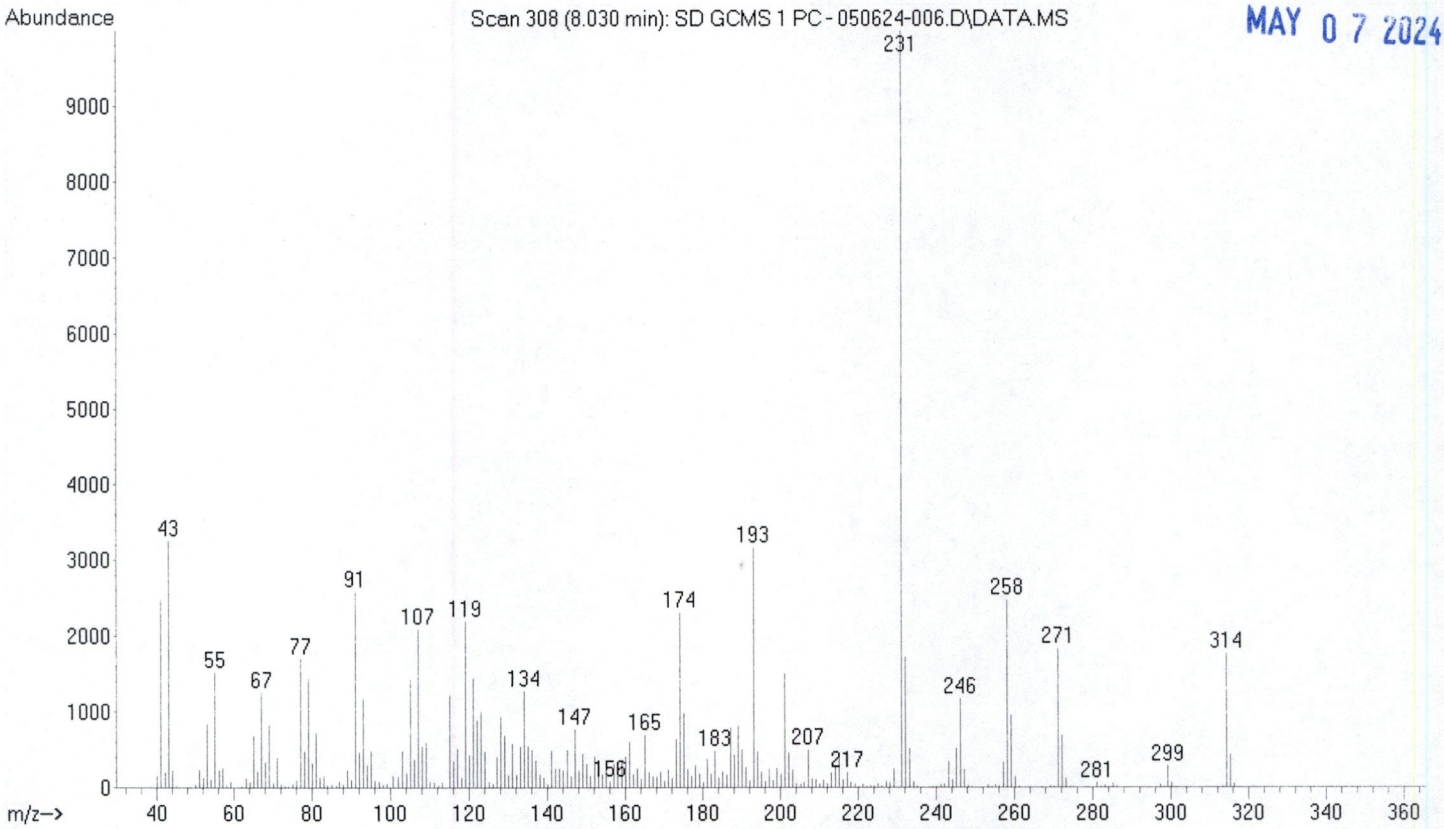
MAY 07 2024

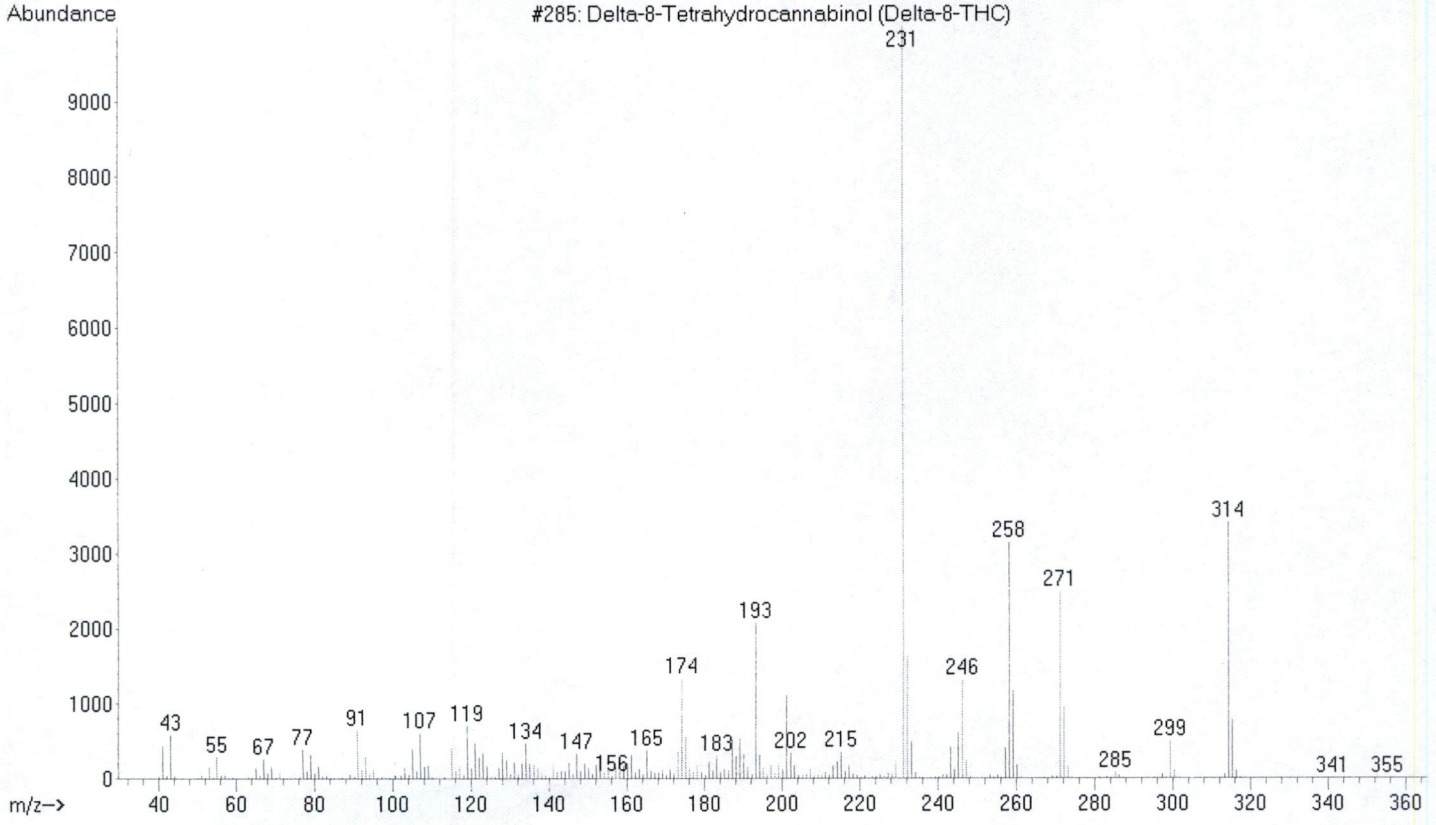


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
8.054	67623923	100.000	100.000

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-006.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024   7:01 pm using AcqMethod BCCL.M
Sample Name: delta-8 THC (S-19-051) - EXPIRED                000001620
Misc Info  : RT determination
```

MAY 07 2024

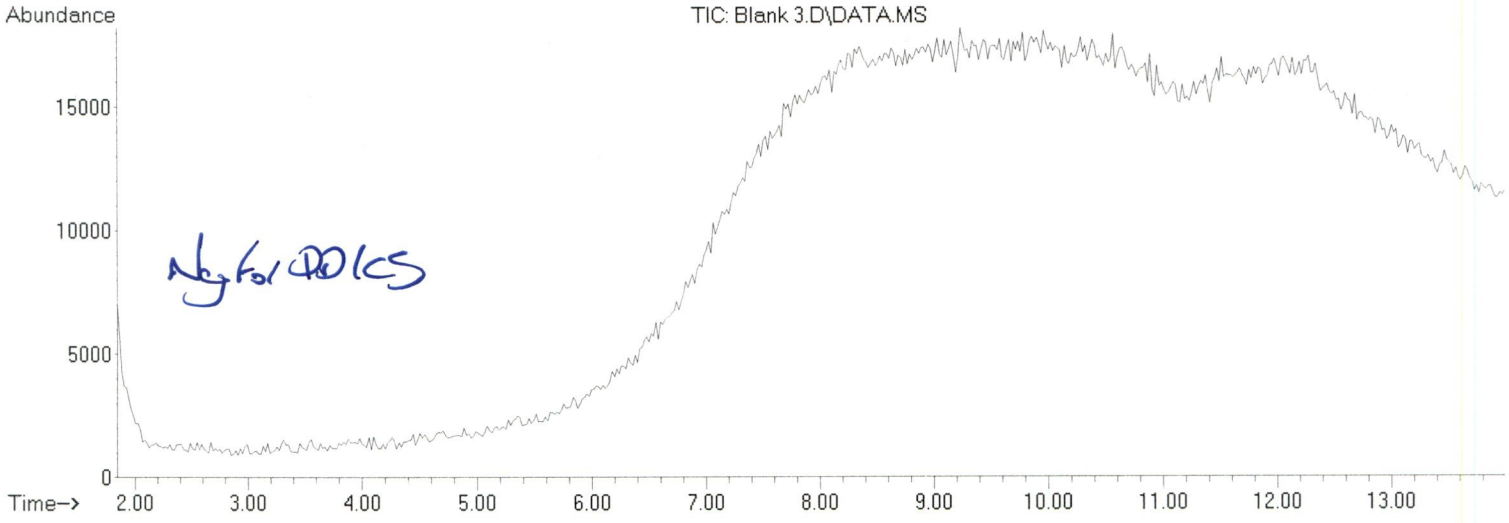




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 3.D
Operator : SD GCMS 1
Acquired : 6 May 2024 7:19 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

MAY 0 7 2024

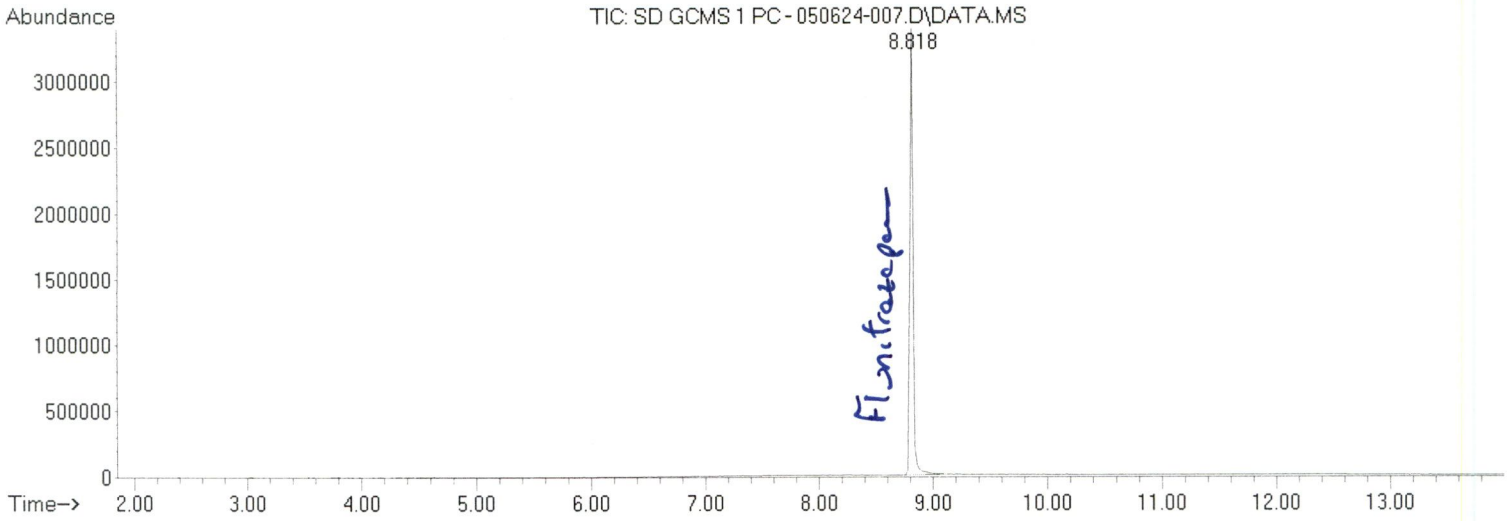


Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-007.D
Operator : SD GCMS 1
Acquired : 6 May 2024 7:36 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Flunitrazepam (R-21-028) 000001171 ✓
Misc Info : RT determination
Vial Number: 6

MAY 07 2024



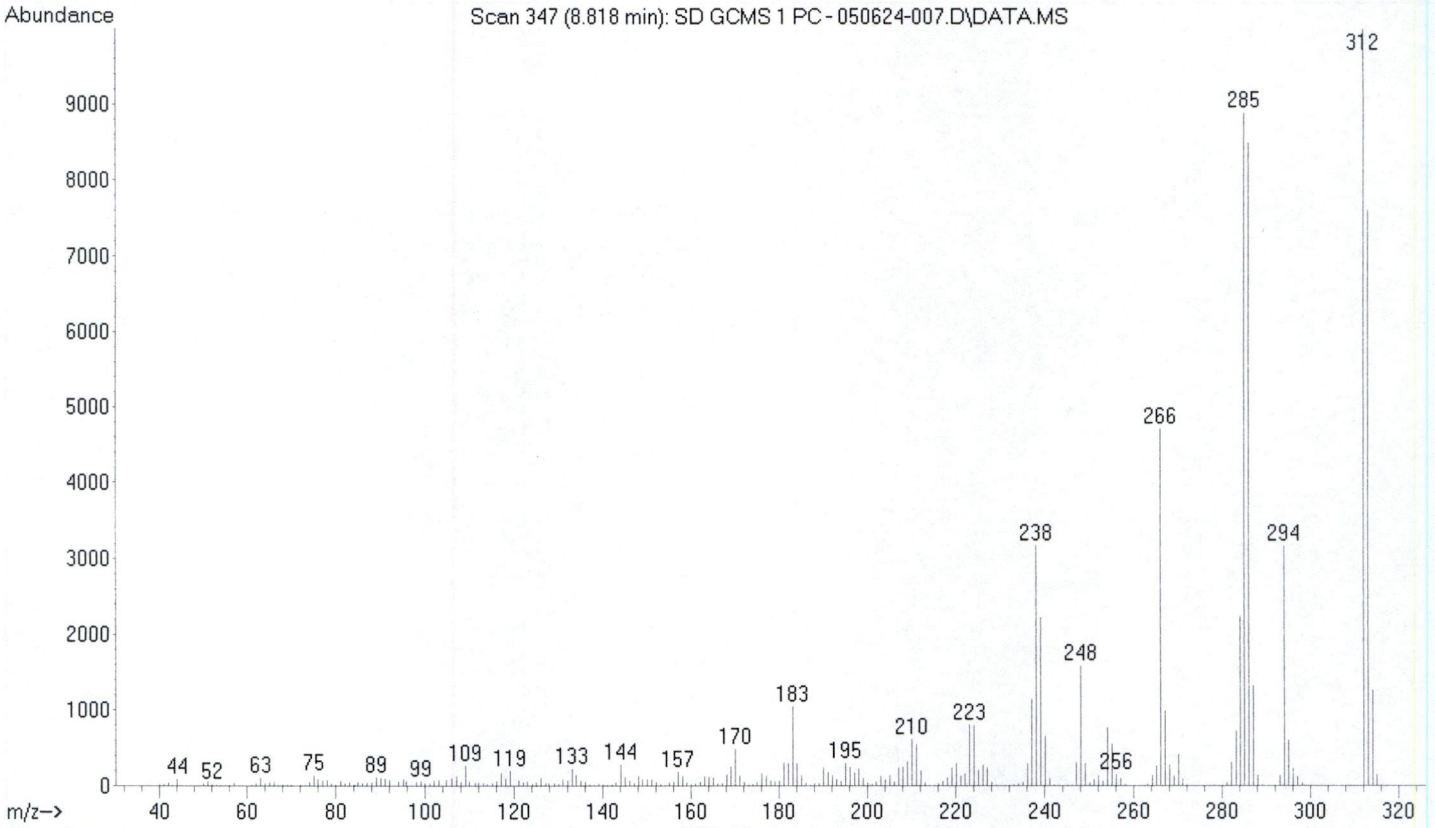
Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
8.818	42226838	100.000	100.000

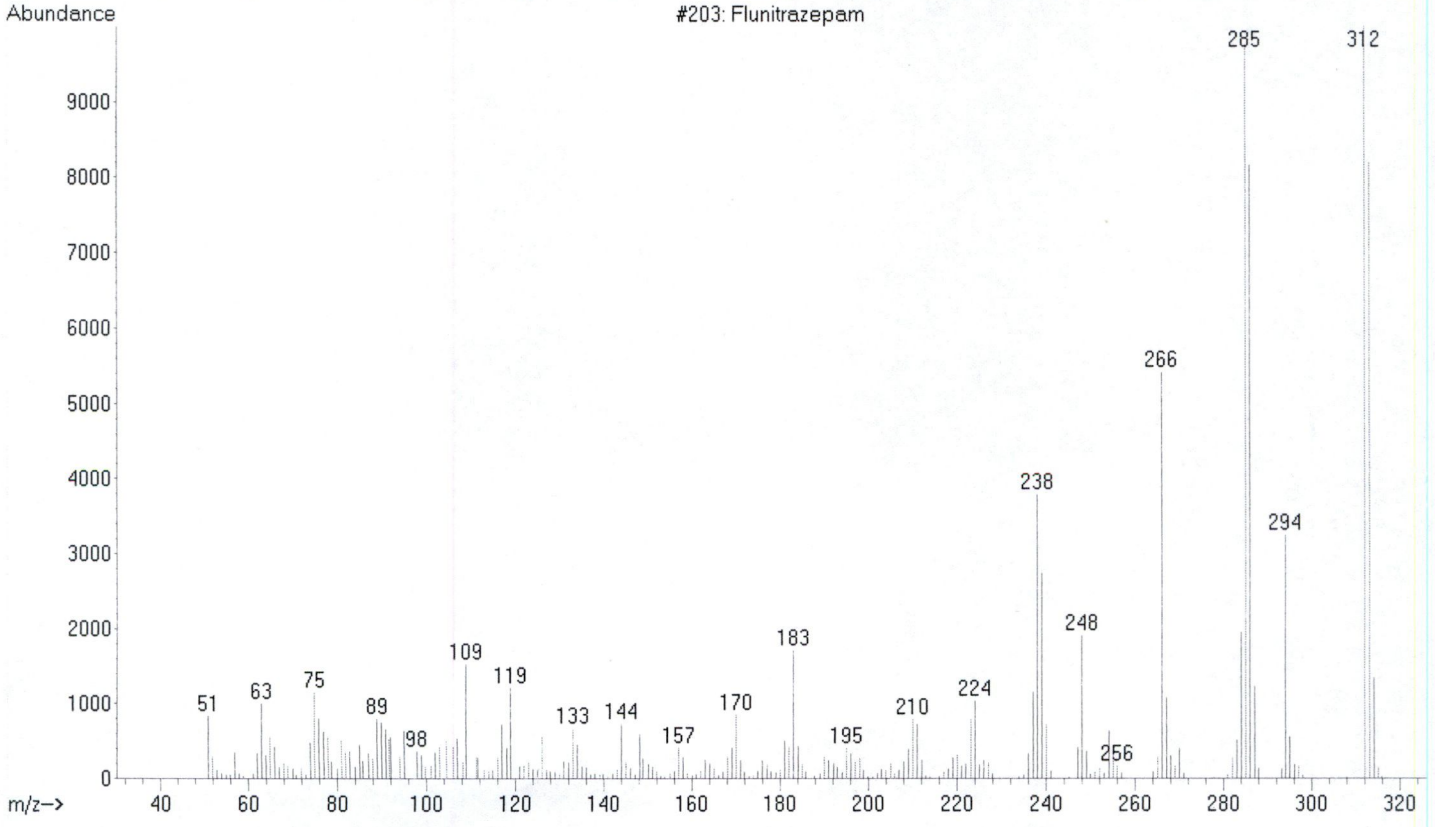
25

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-007.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024   7:36 pm using AcqMethod BCCL.M
Sample Name: Flunitrazepam (R-21-028)                    000001171
Misc Info  : RT determination
```

25

MAY 0 7 2024

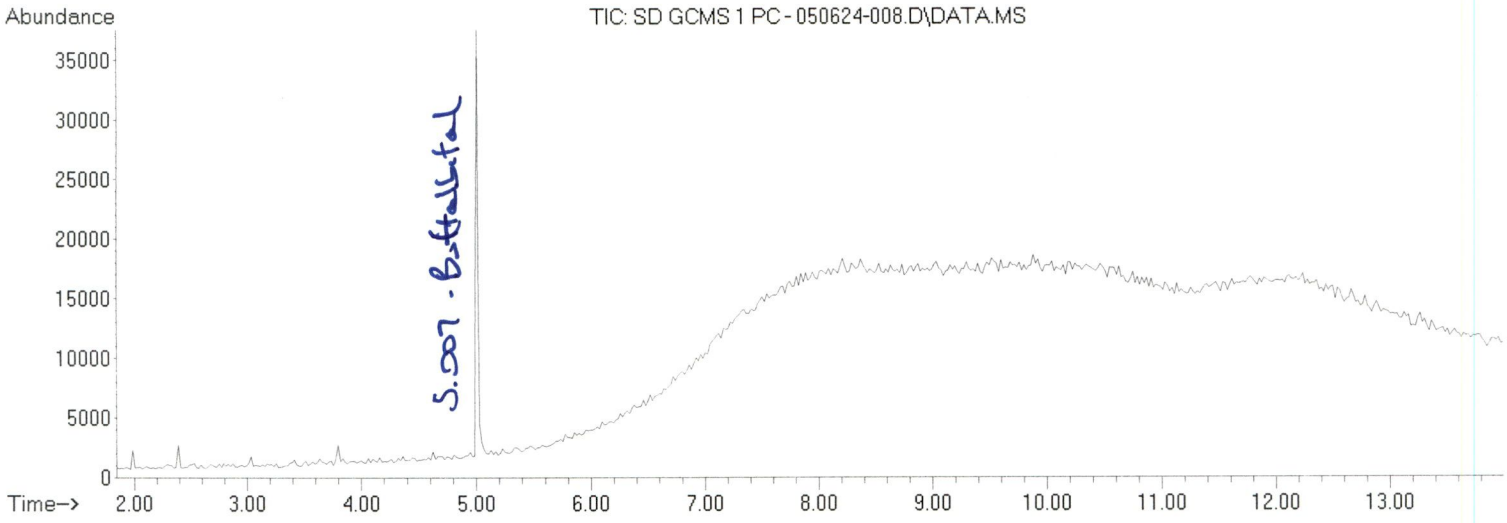




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-008.D
Operator : SD GCMS 1
Acquired : 6 May 2024 7:54 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Butalbital (R-21-012) 000002404
Misc Info : RT determination
Vial Number: 7

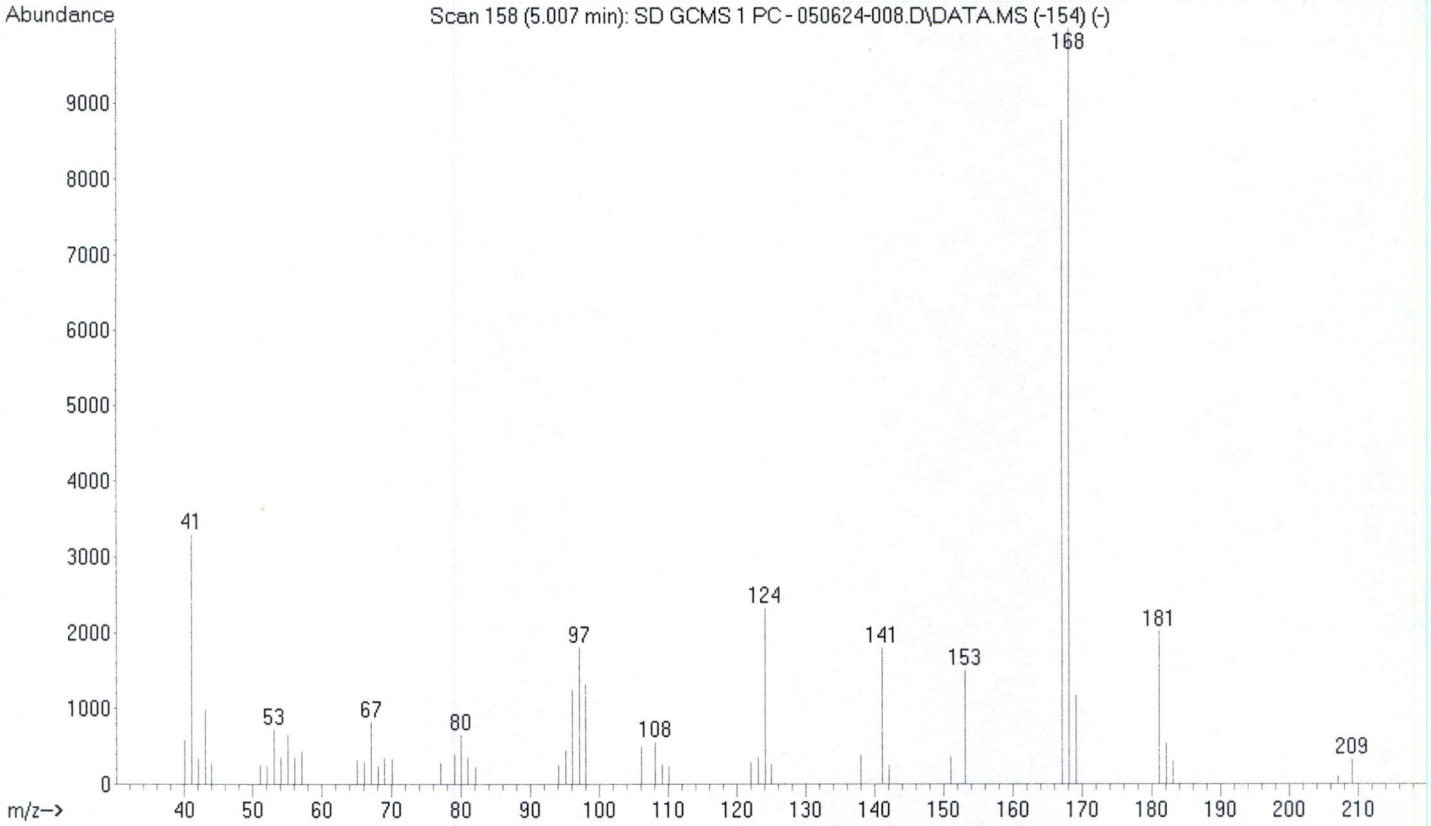
MAY 07 2024

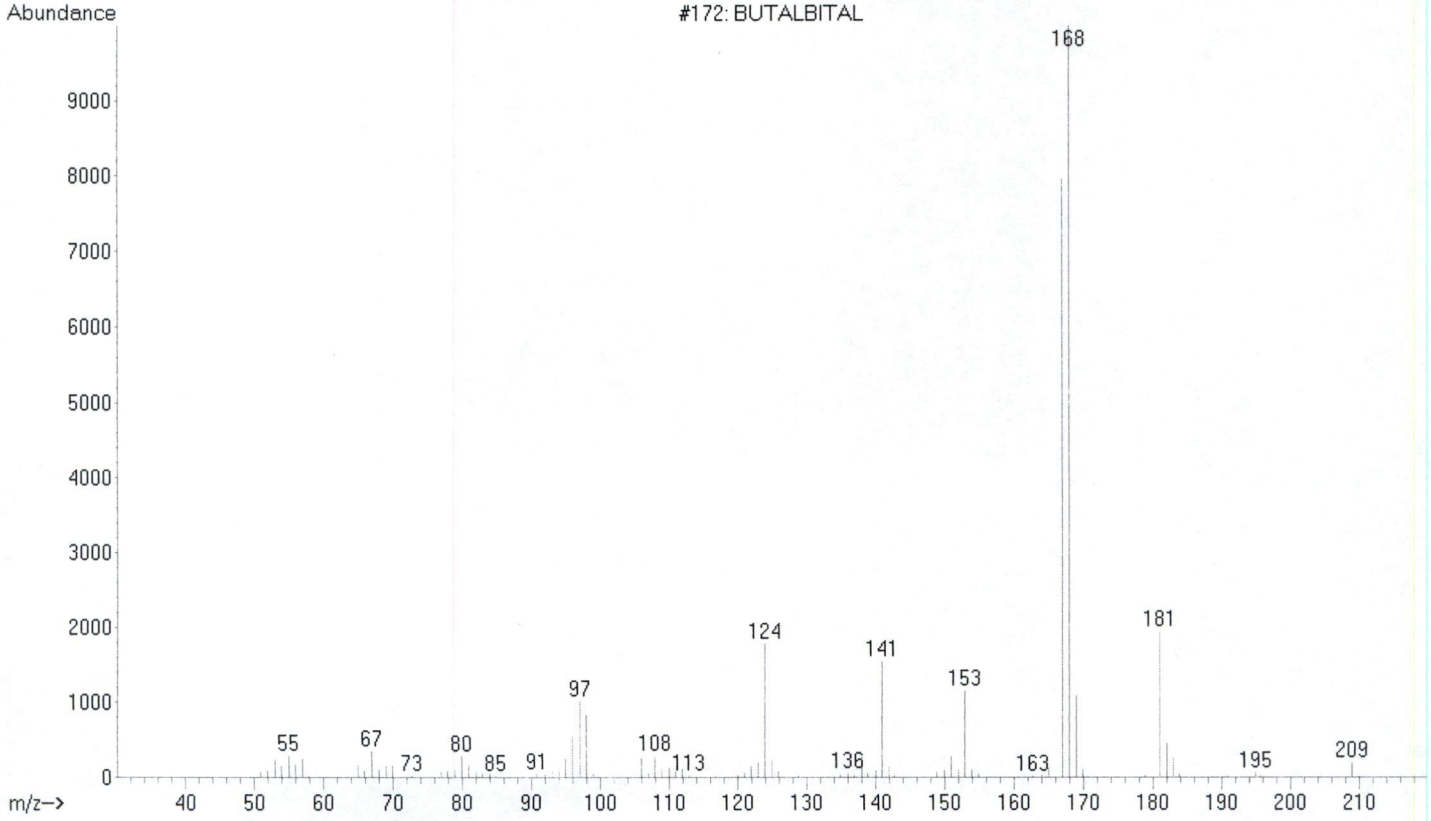


Retention Time	Area	Area %	Ratio %

File : D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-008.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 7:54 pm using AcqMethod BCCL.M
Sample Name: Butalbital (R-21-012) 000002404
Misc Info : RT determination

MAY 07 2024

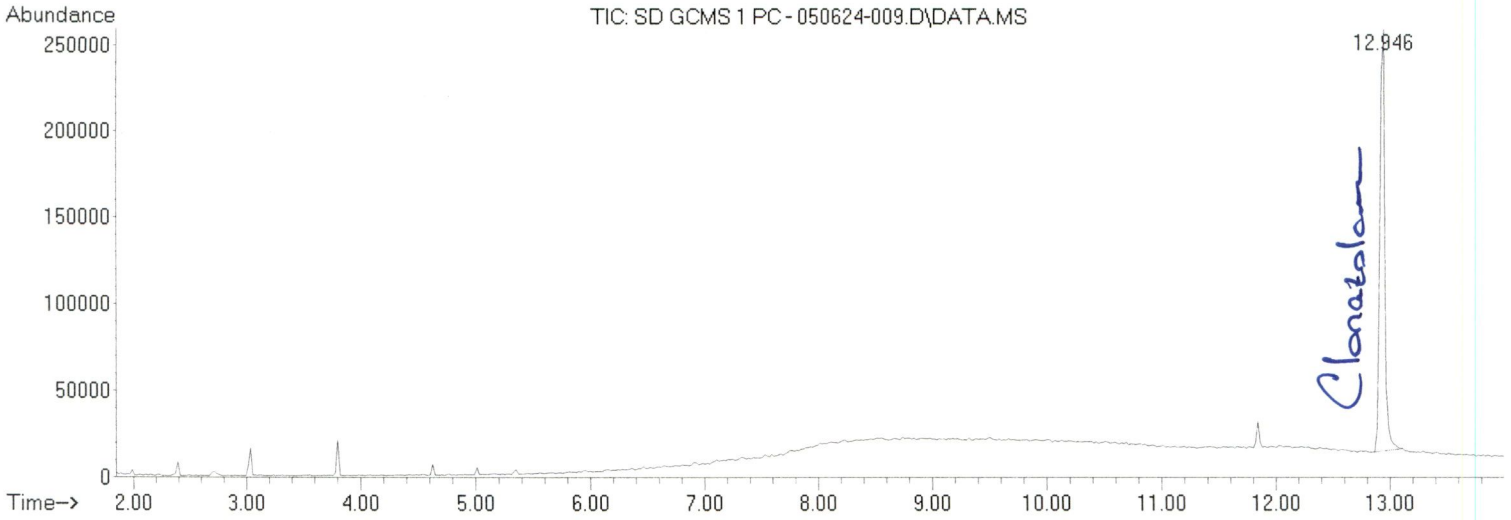




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-009.D
Operator : SD GCMS 1
Acquired : 6 May 2024 8:11 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Clonazolam (S-21-010) 000002880
Misc Info : RT determination
Vial Number: 8

MAY 07 2024



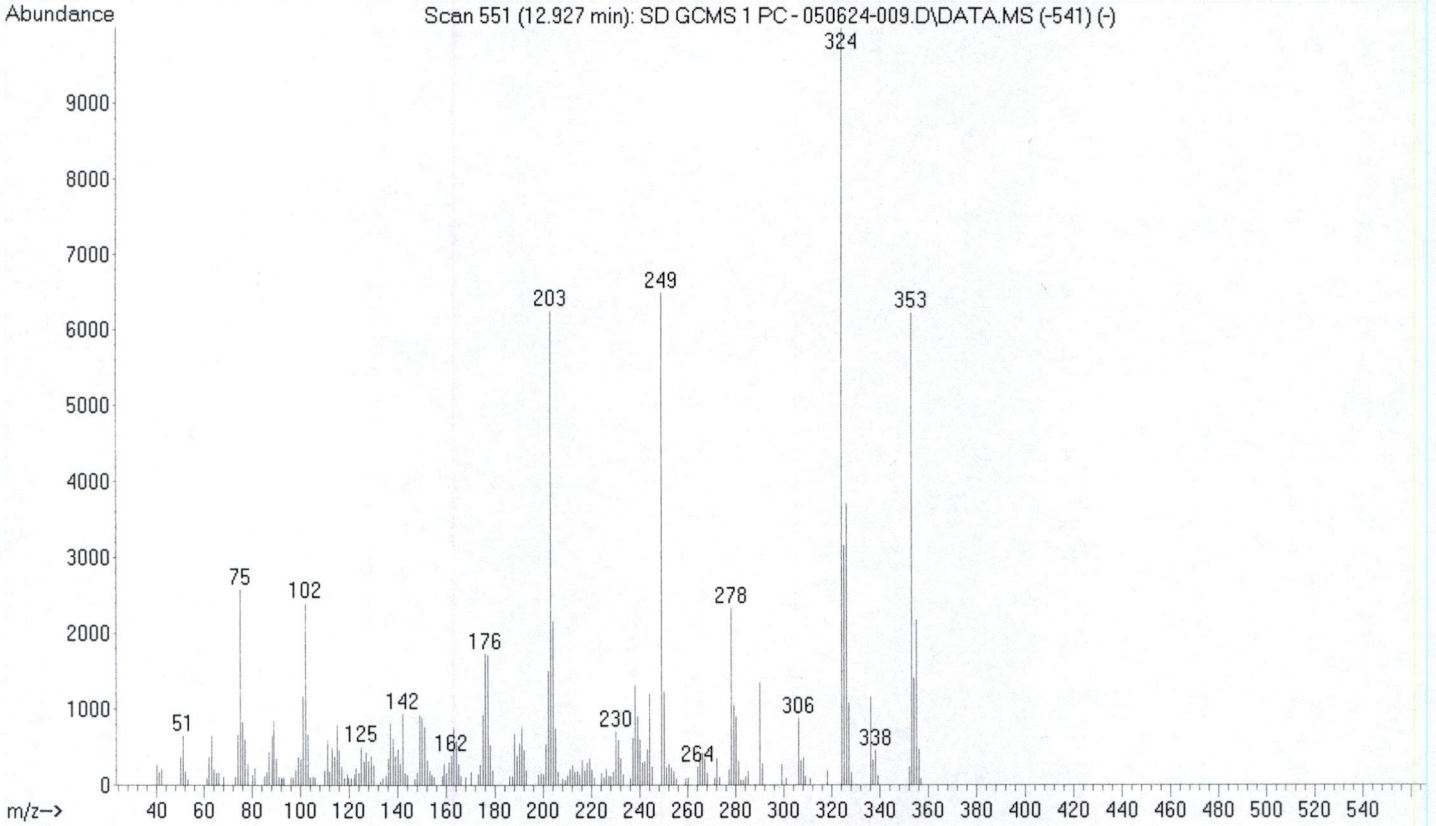
Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
12.946	7562948	100.000	100.000

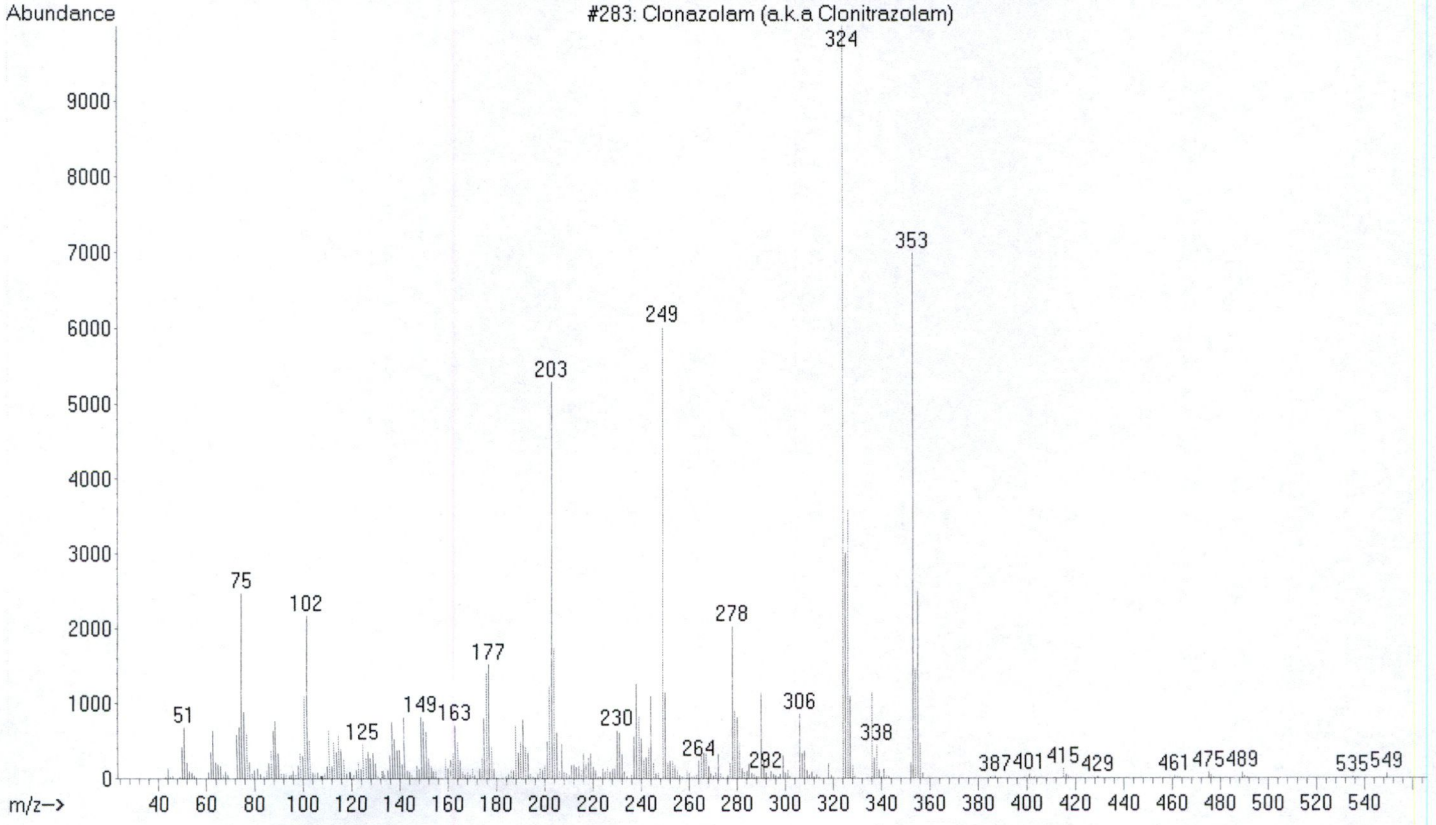
DS

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-009.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024   8:11 pm using AcqMethod BCCL.M
Sample Name: Clonazolam (S-21-010)                          000002880
Misc Info  : RT determination
```

DS

MAY 07 2024

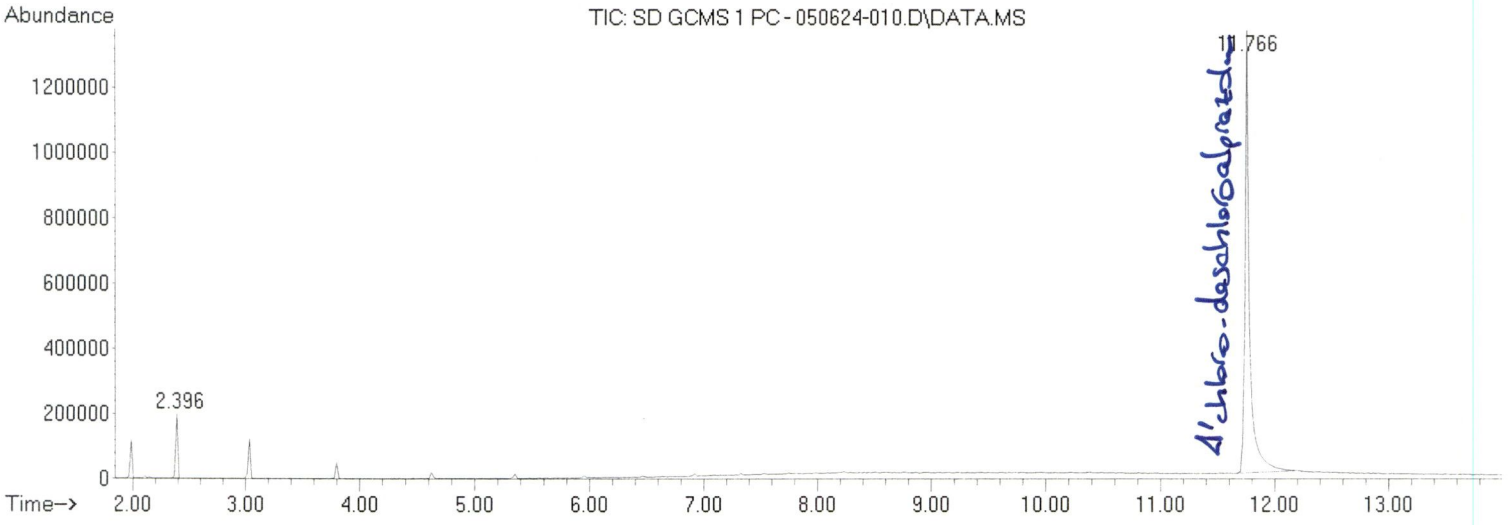




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-010.D
Operator : SD GCMS 1
Acquired : 6 May 2024 8:29 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: 4'chloro-Deschloroalprazolam (R-22-055) 000002795
Misc Info : RT determination
Vial Number: 9

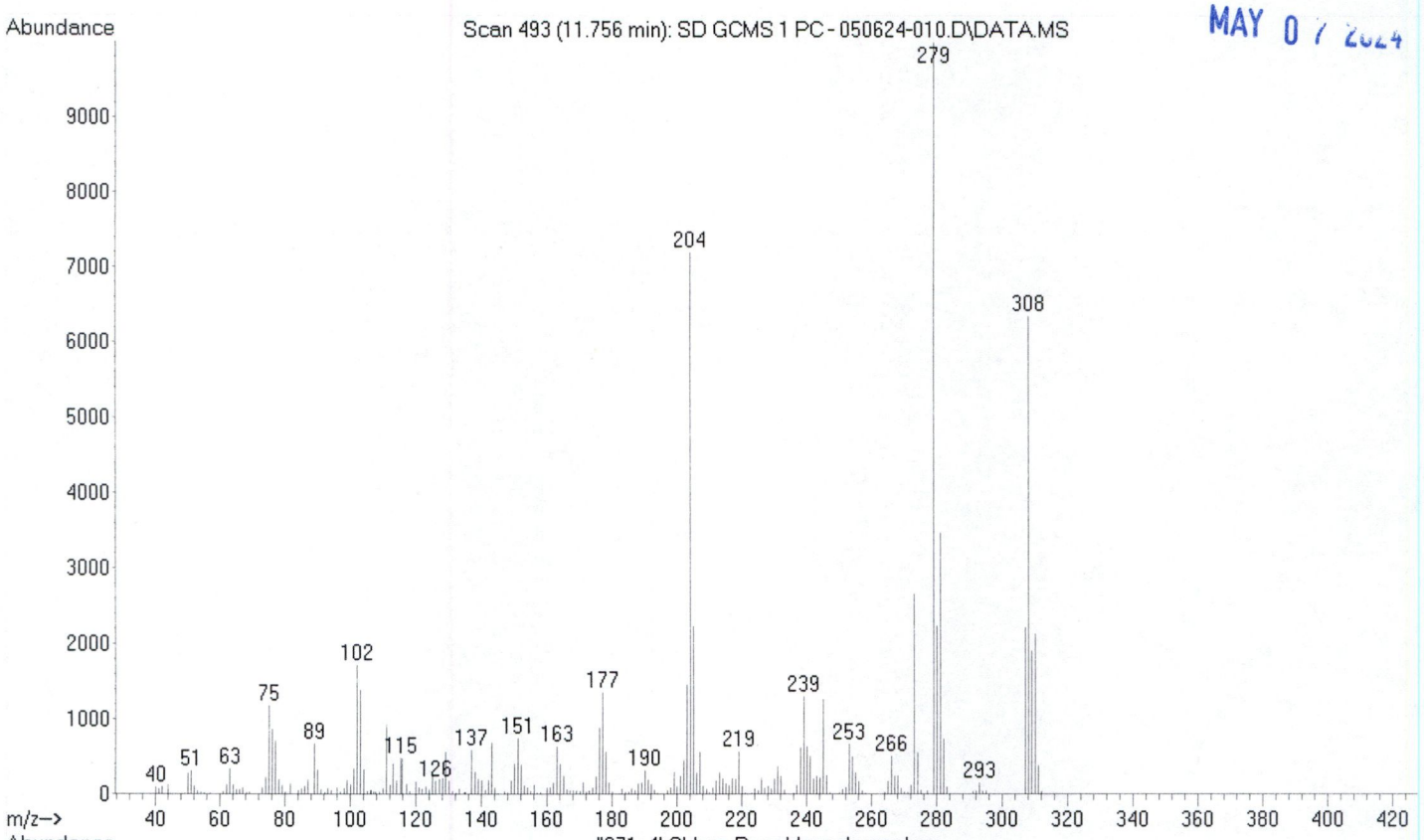
MAY 07 2024

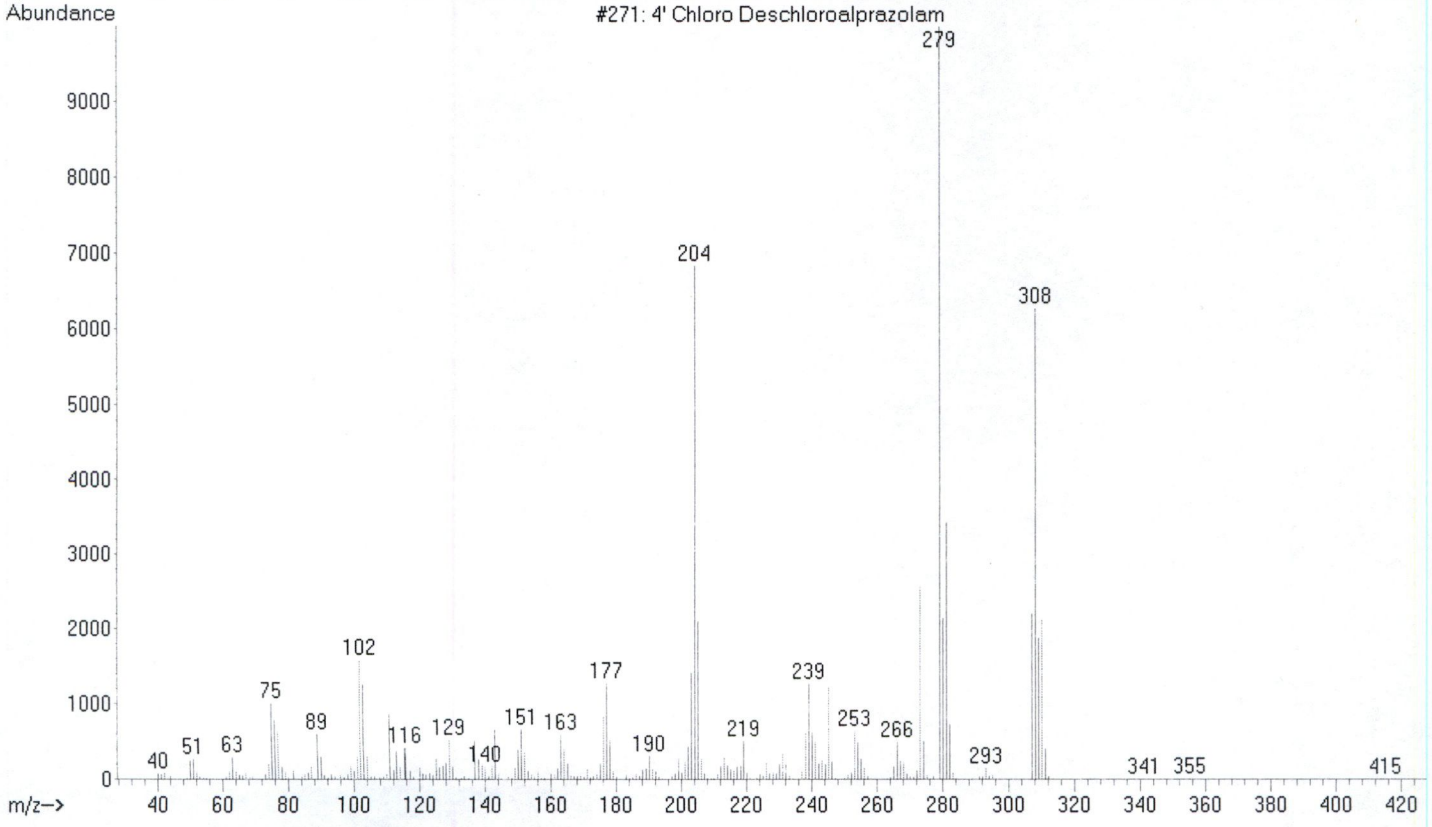


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
2.396	2448060	6.066	6.458
11.766	37908265	93.934	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-010.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 8:29 pm using AcqMethod BCCL.M
Sample Name: 4'chloro-Deschloroalprazolam (R-22-055) 000002795
Misc Info : RT determination

MAY 0 7 2024

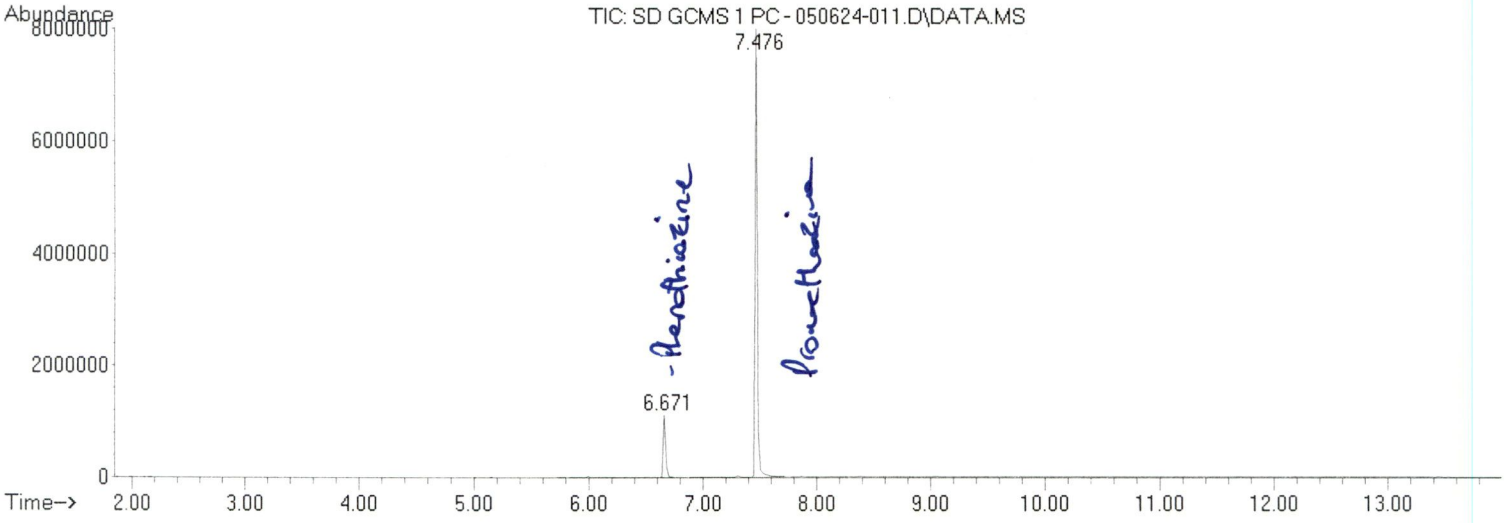




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-011.D
Operator : SD GCMS 1
Acquired : 6 May 2024 8:47 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Promethazine (S-21-020) - EXPIRED 000001158
Misc Info : RT determination
Vial Number: 10

MAY 07 2024



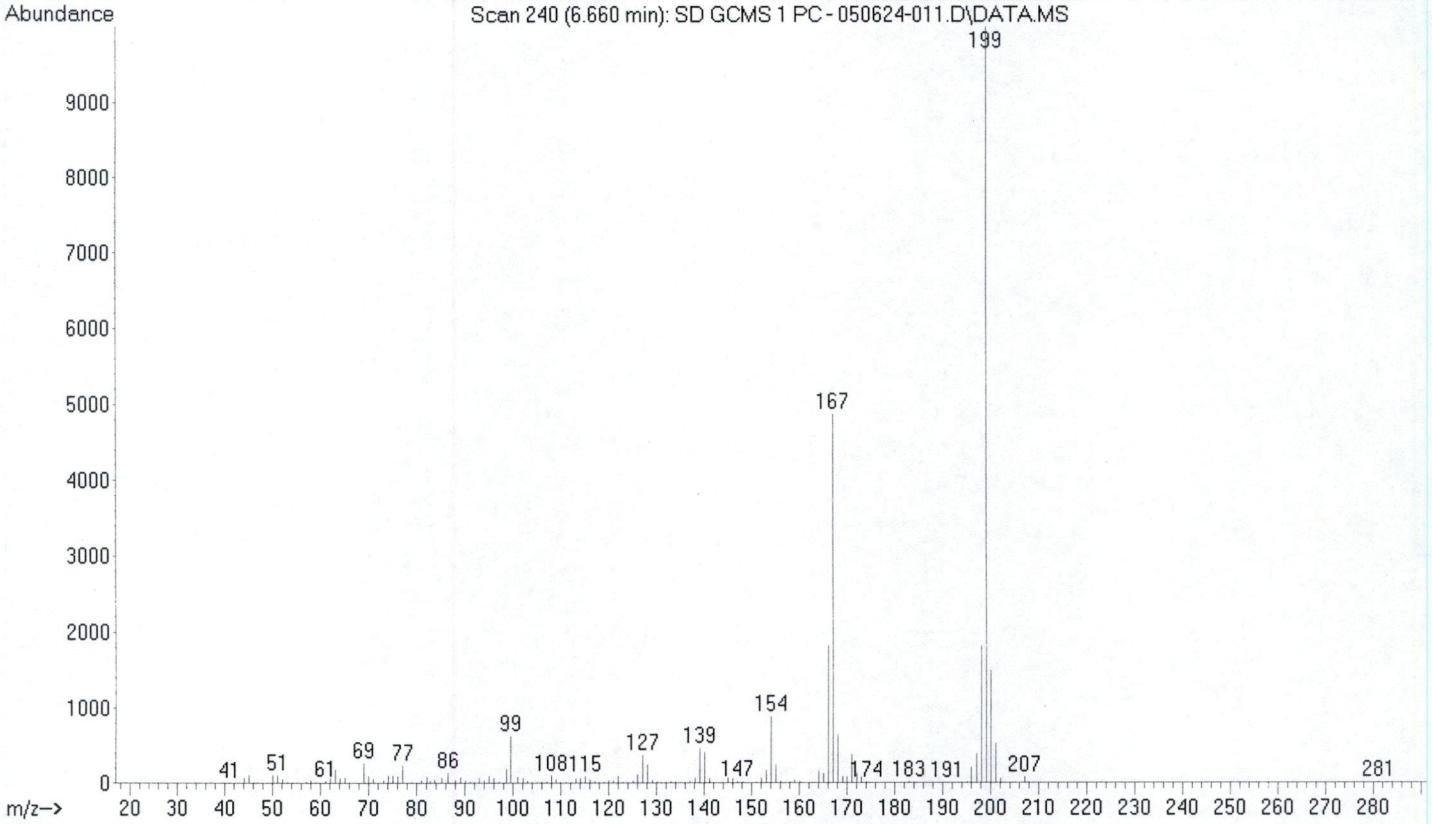
Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
6.671	16162052	12.693	14.538
7.476	111168467	87.307	100.000

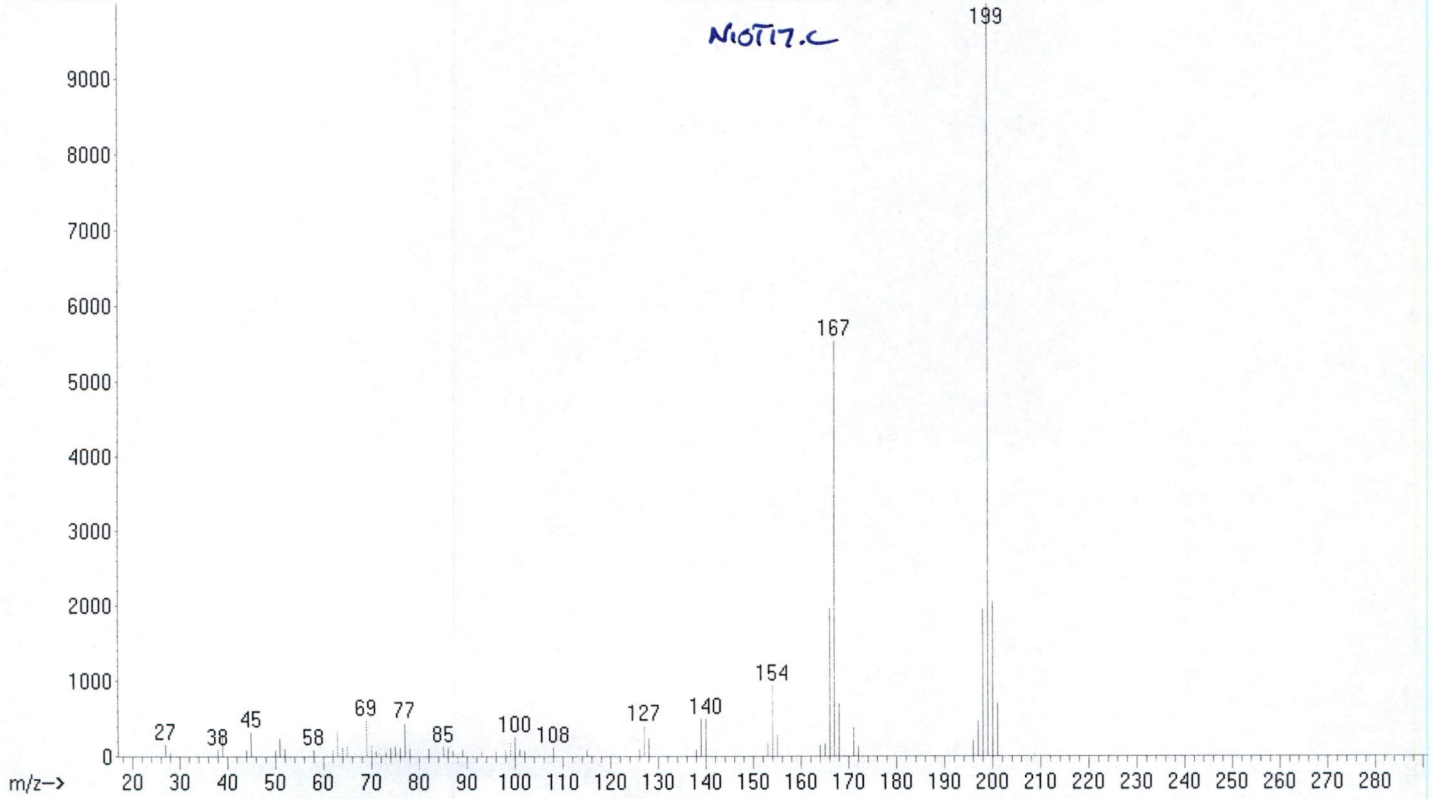
File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-011.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 8:47 pm using AcqMethod BCCL.M
Sample Name: Promethazine (S-21-020) - EXPIRED 000001158
Misc Info : RT determination

DS

DS

MAY 07 2024

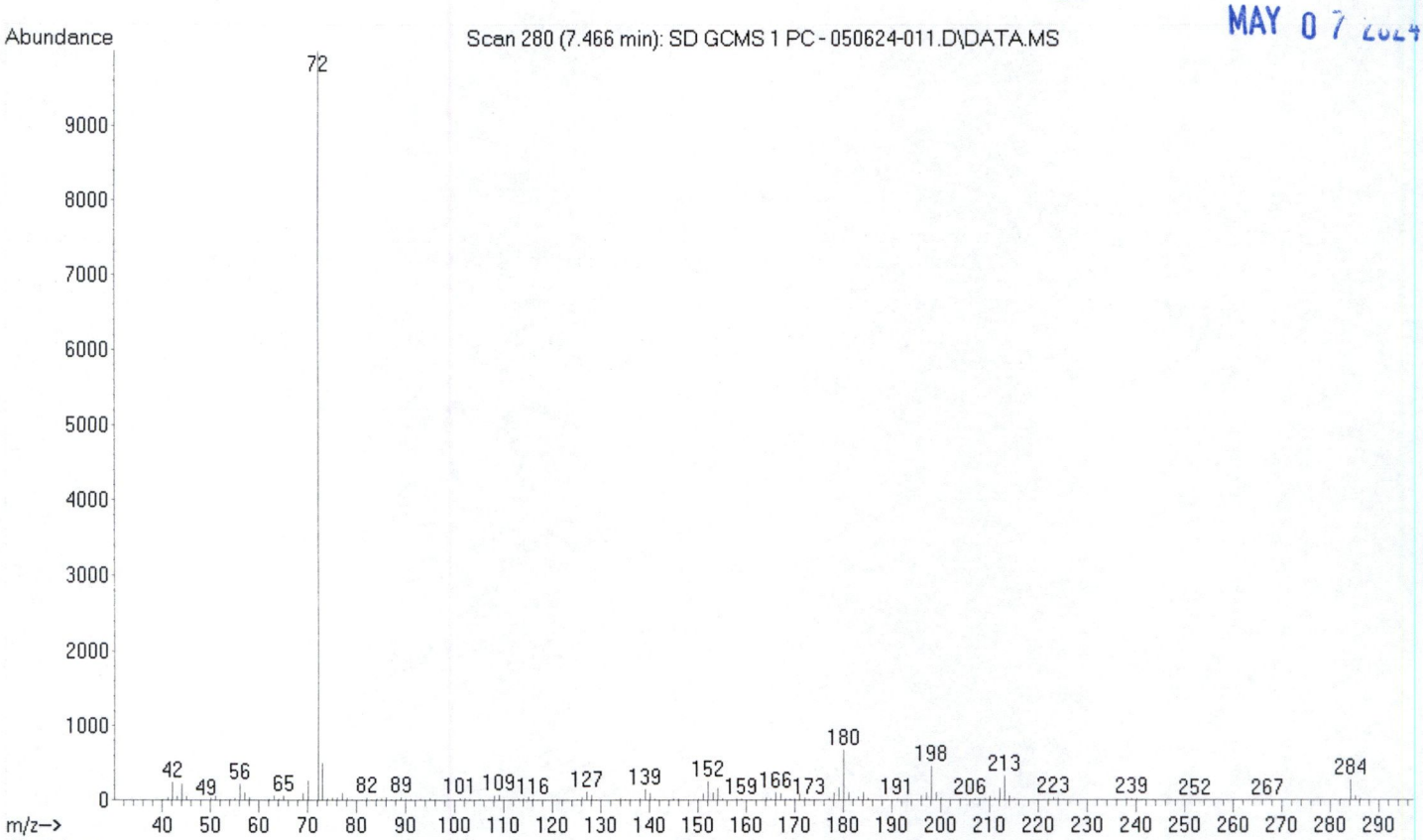


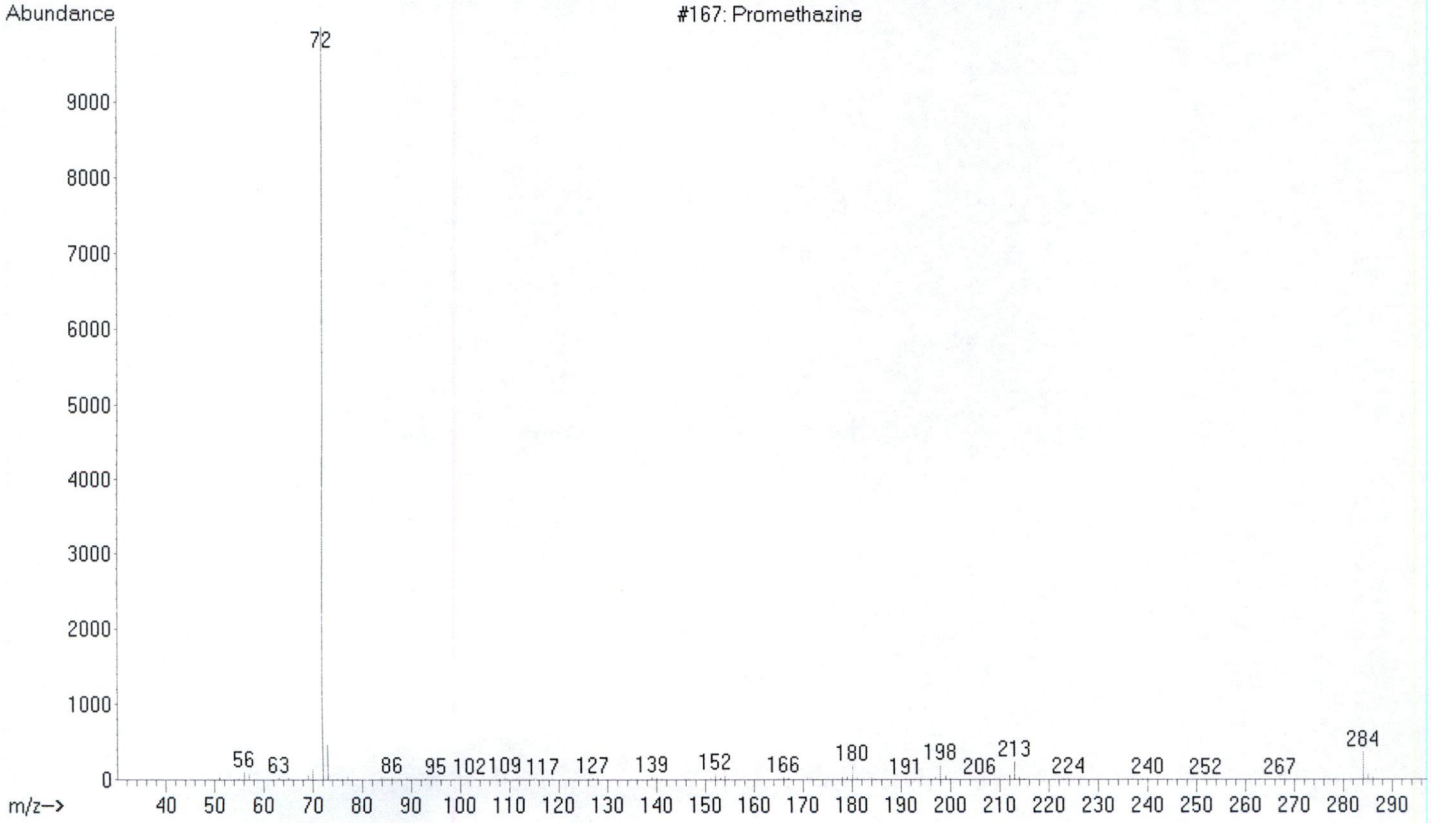


NIOTI7.C

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-011.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024   8:47 pm using AcqMethod BCCL.M
Sample Name: Promethazine (S-21-020) - EXPIRED              000001158
Misc Info  : RT determination
```

MAY 07 2024





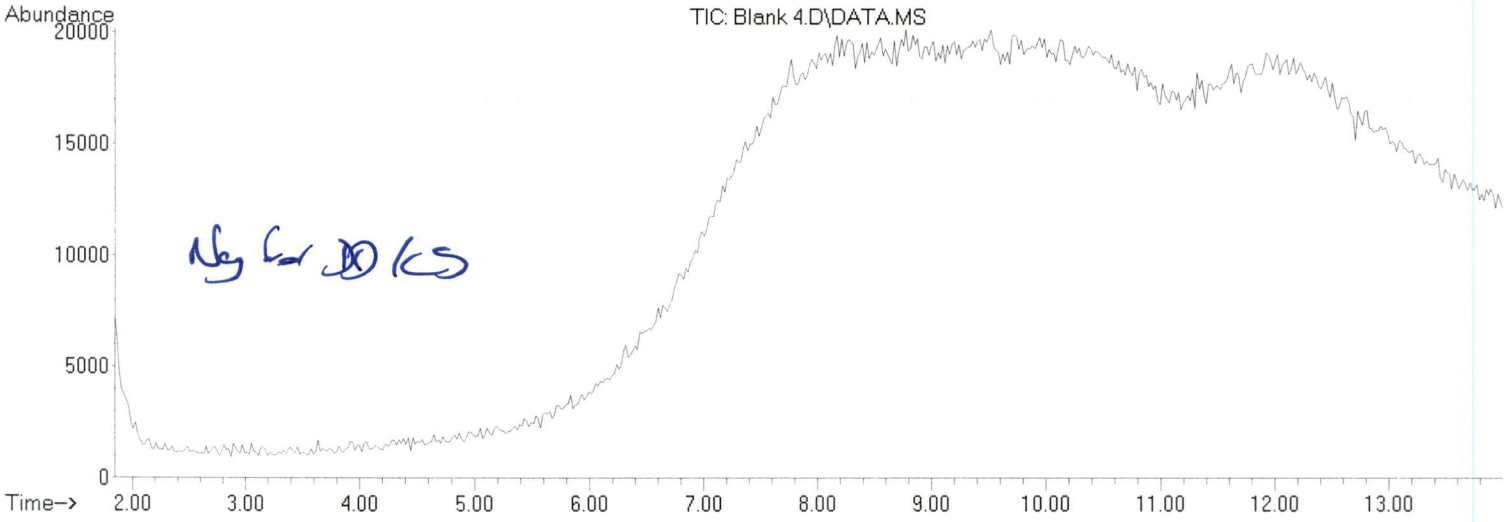
DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 4.D
Operator : SD GCMS 1
Acquired : 6 May 2024 9:04 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631 ✓
Misc Info : EtAc BLANK
Vial Number: 30

DS

MAY 07 2024

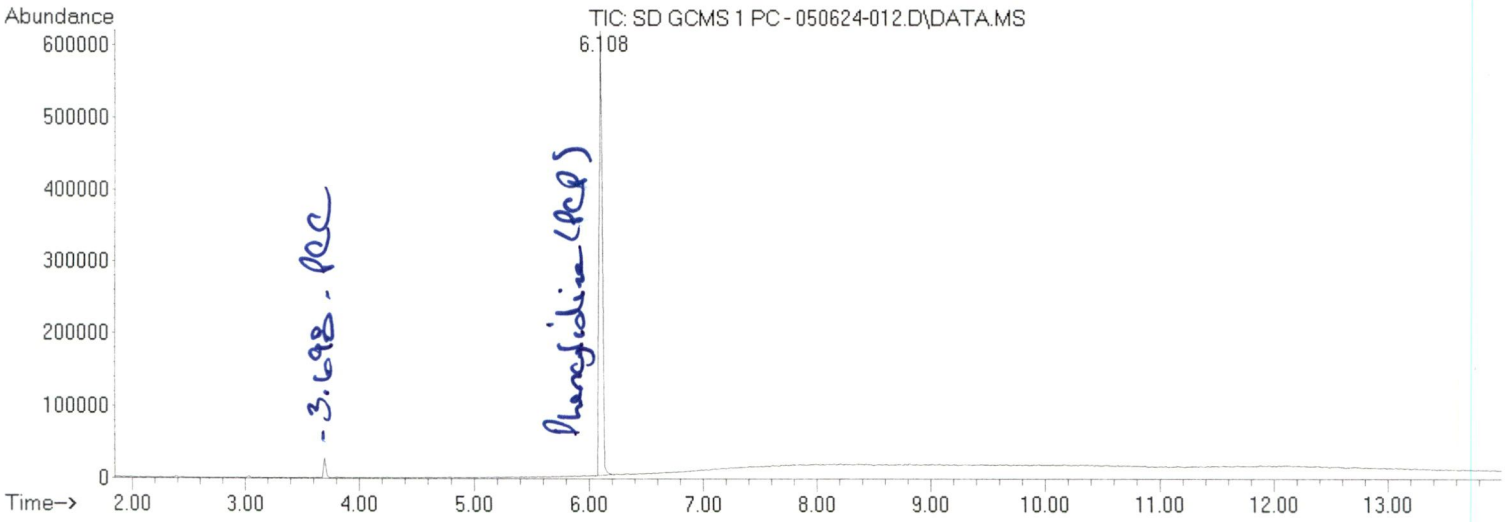


Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-012.D
Operator : SD GCMS 1
Acquired : 6 May 2024 9:22 pm using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Phencyclidine (PCP) (~~S-24-003~~) R.24.003 000005994
Misc Info : RT determination
Vial Number: 11

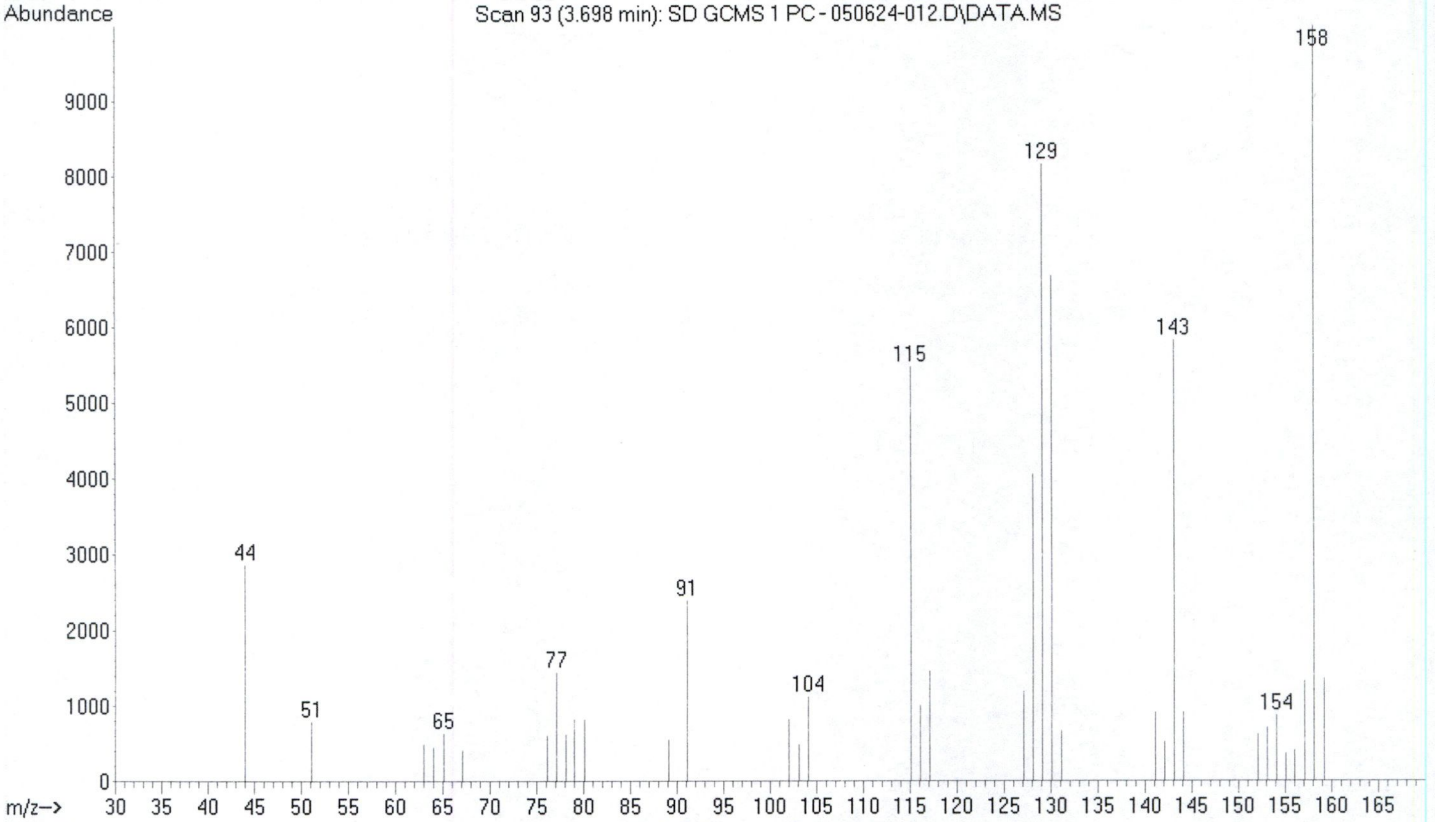
MAY 07 2024

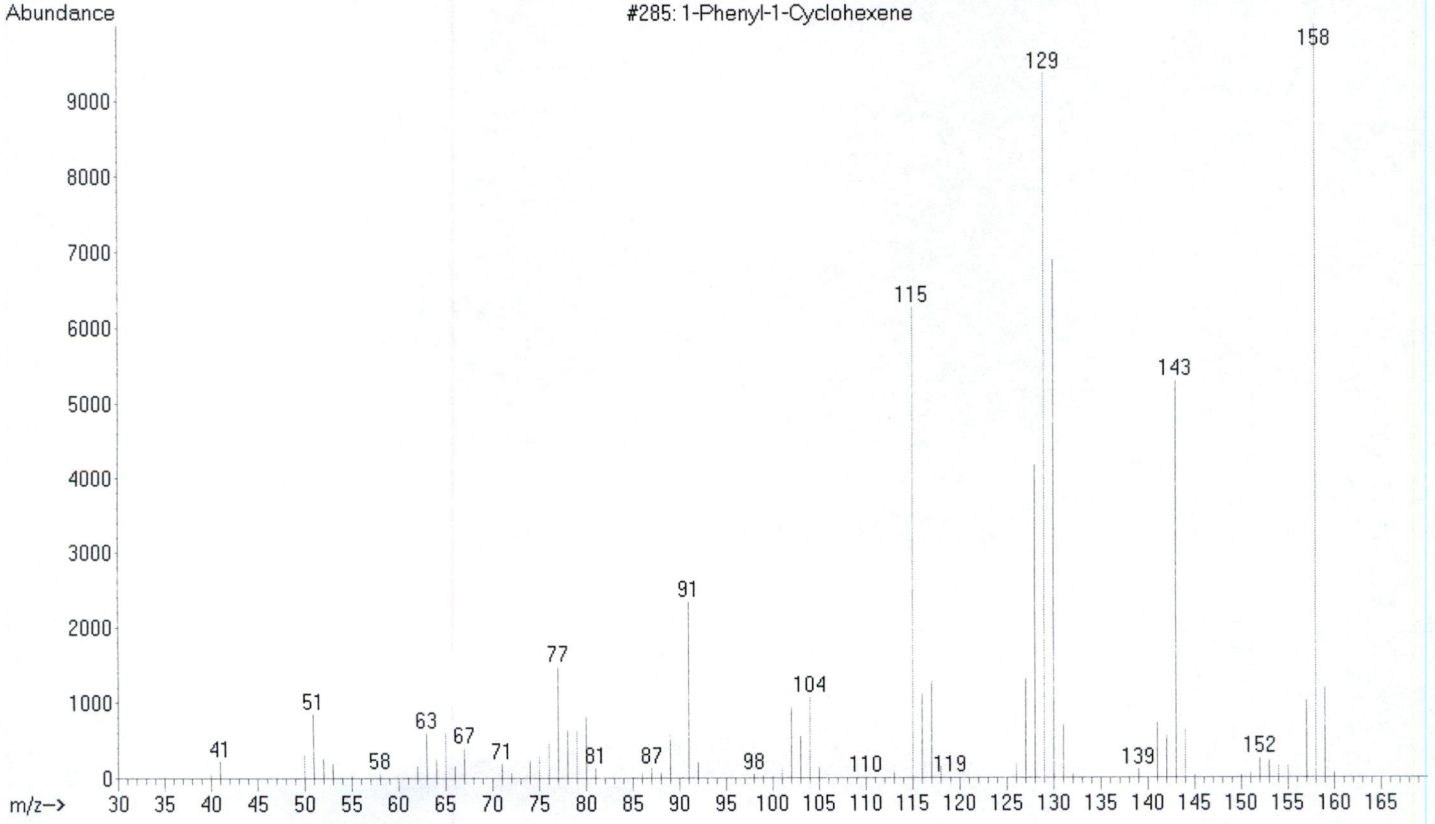


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
6.108	11919747	100.000	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-012.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 9:22 pm using AcqMethod BCCL.M
Sample Name: Phencyclidine (PCP) (~~S-24-003~~ R.24.003) 000005994
Misc Info : RT determination

MAY 07 2024



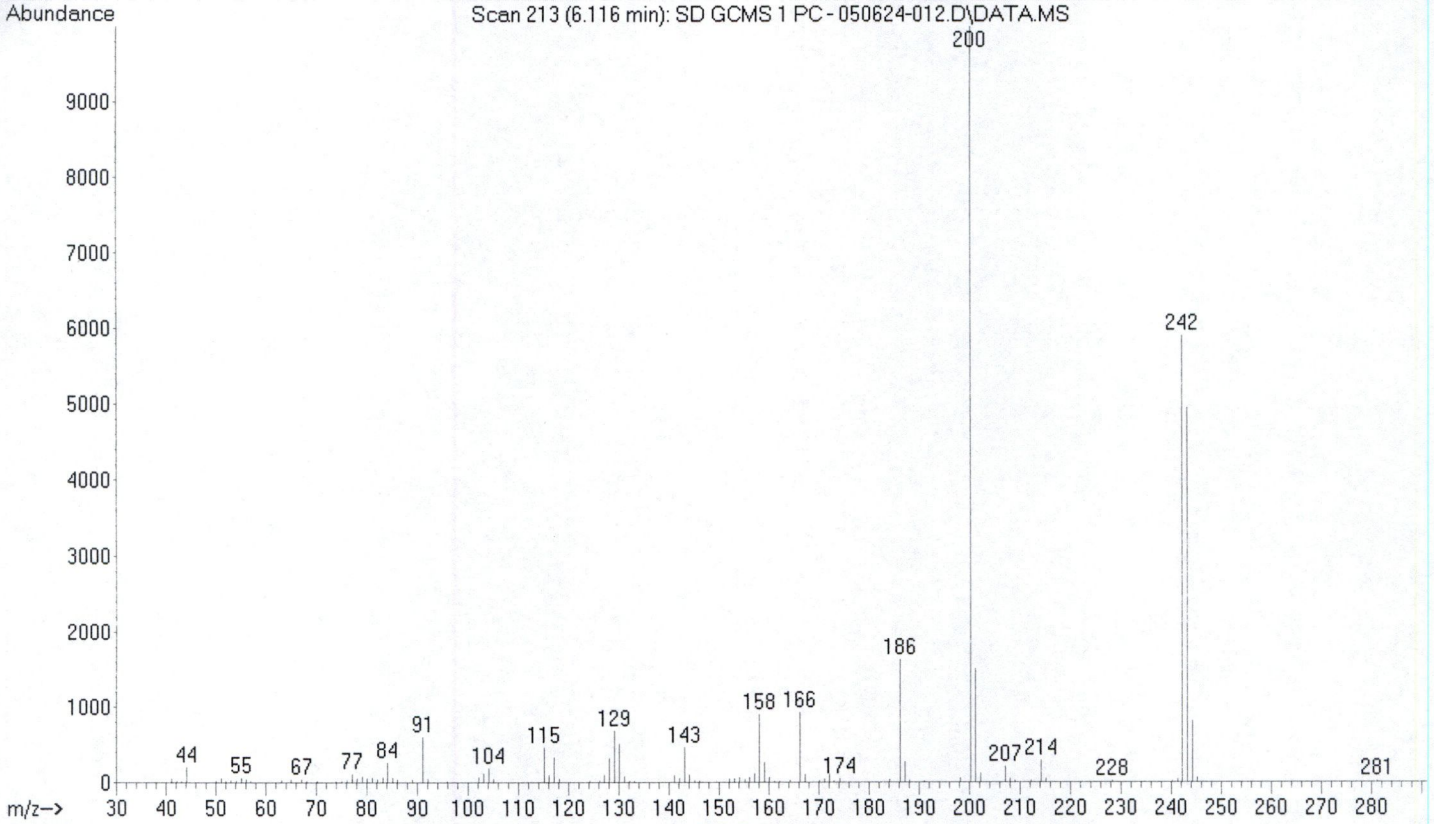


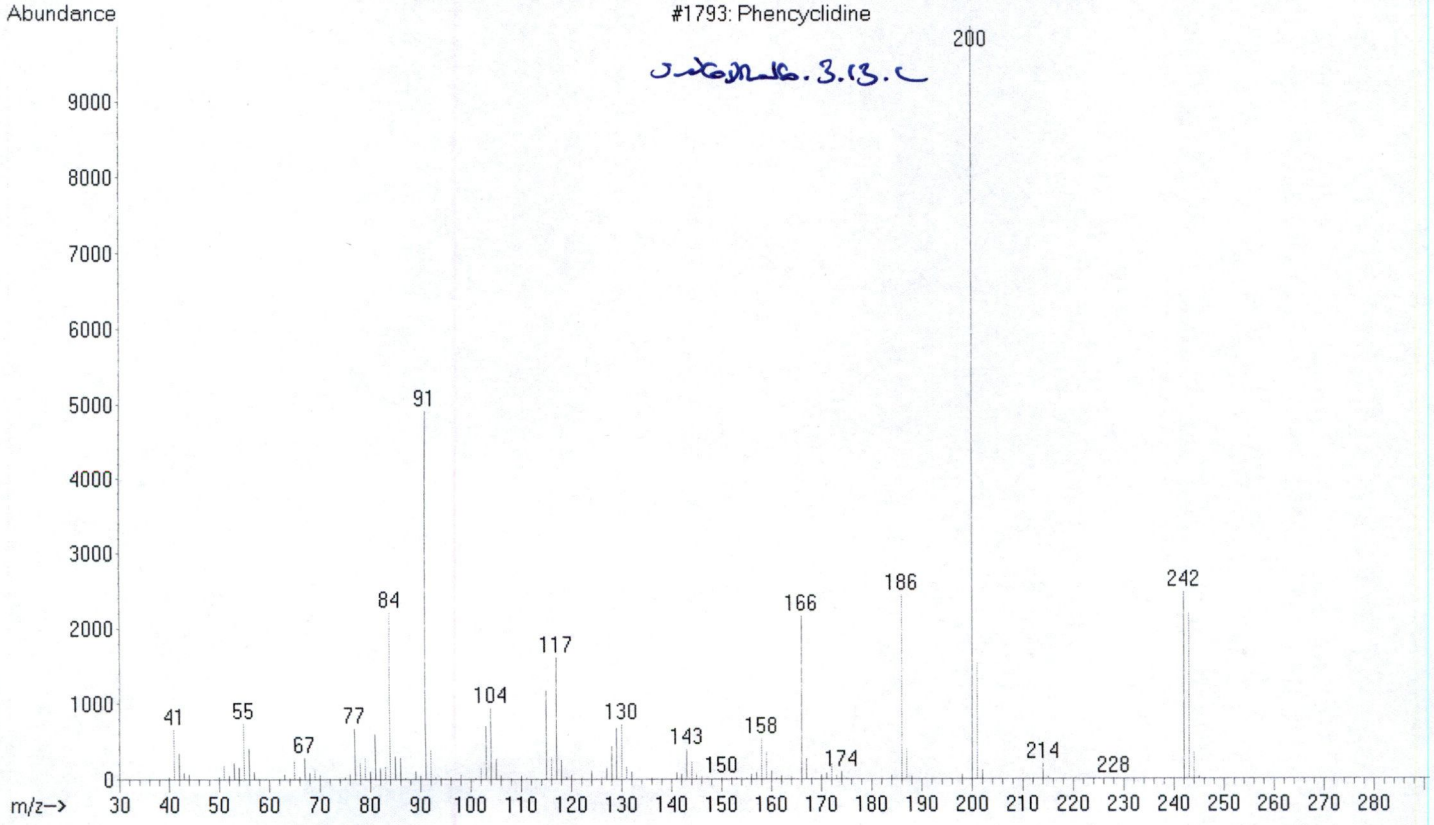
DS

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-012.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 9:22 pm using AcqMethod BCCL.M
Sample Name: Phencyclidine (PCP) (S-24-003) 000005994
Misc Info : RT determination

DS

MAY 0 7

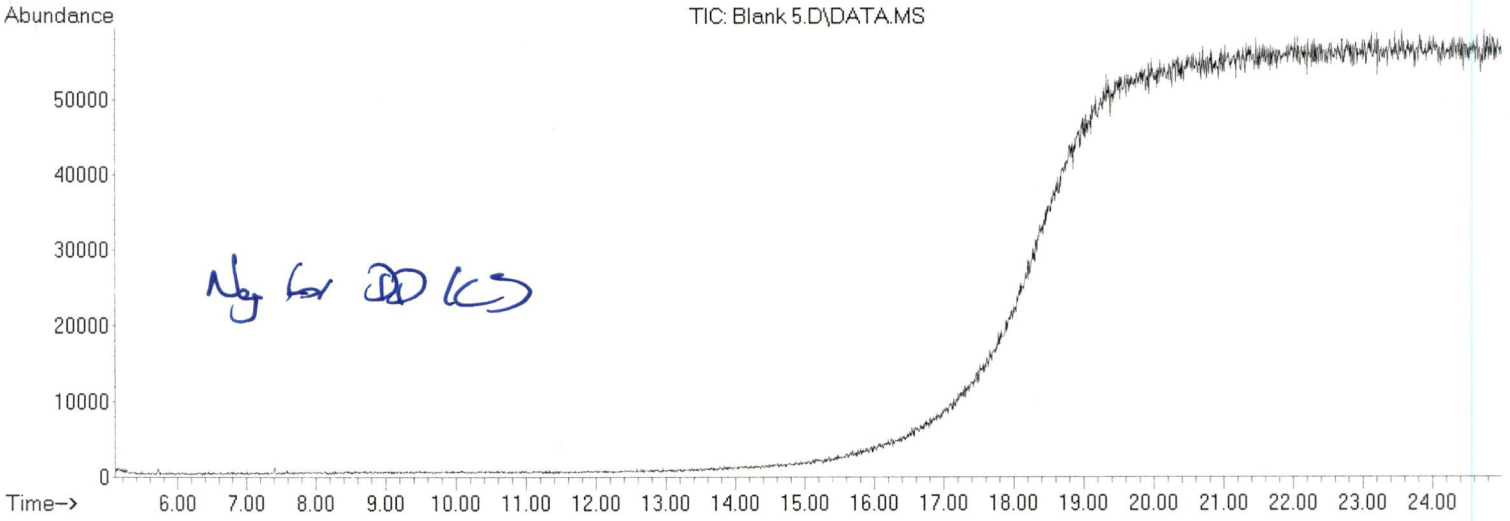




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 5.D
Operator : SD GCMS 1
Acquired : 6 May 2024 9:40 pm using AcqMethod DRUGTEST50_20X.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

MAY 07 2024

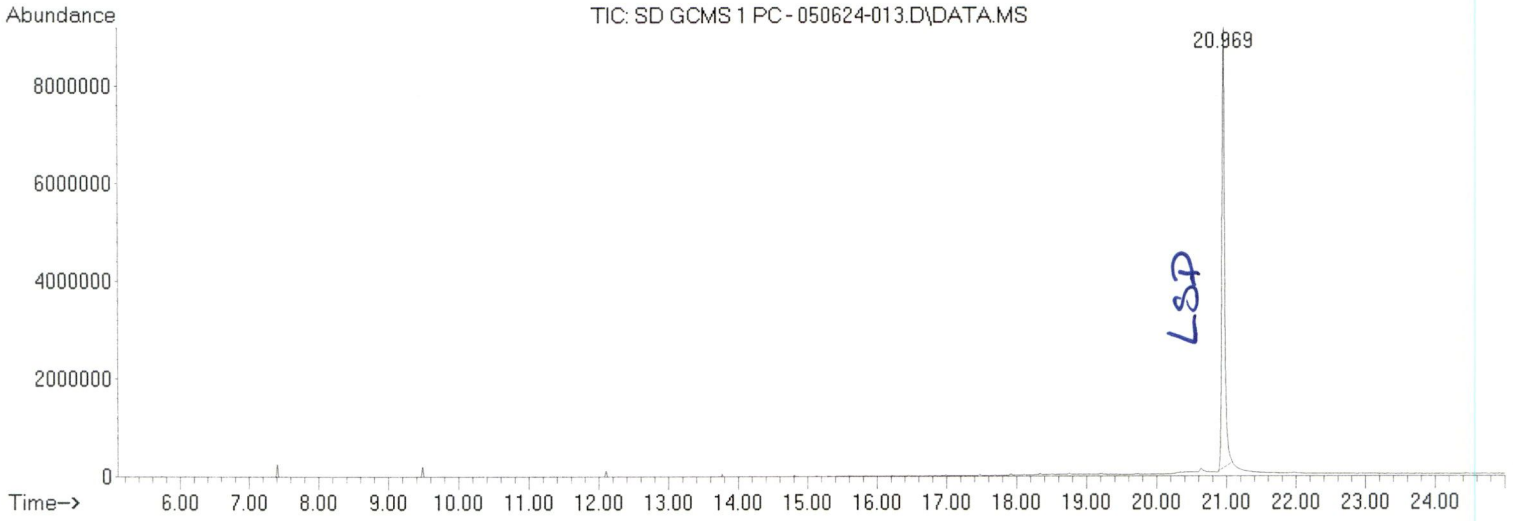


Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-013.D
Operator : SD GCMS 1
Acquired : 6 May 2024 10:10 pm using AcqMethod DRUGTEST50_20X.M
Sample Name: LSD (S-22-038) 000001340
Misc Info : RT determination
Vial Number: 12

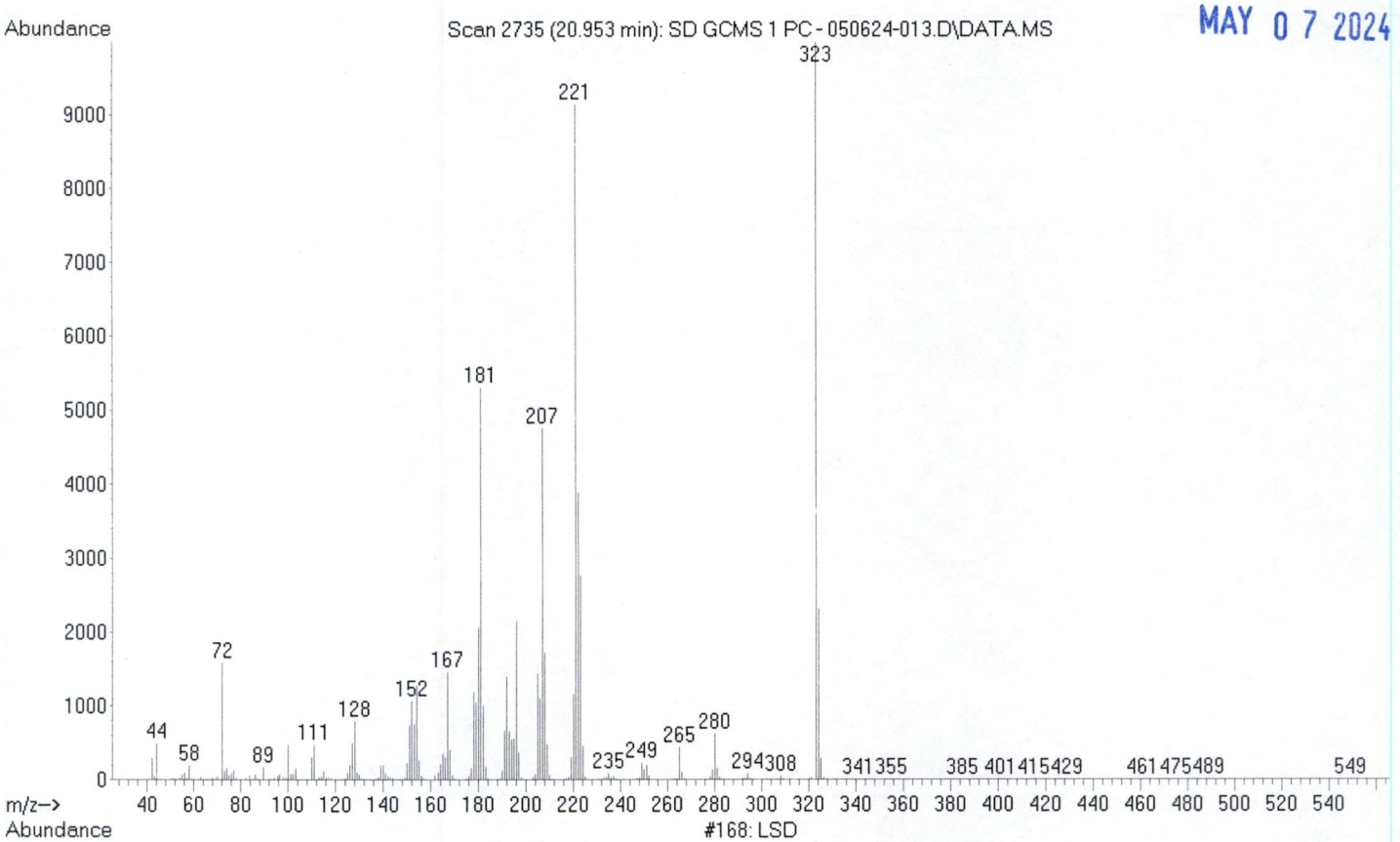
MAY 07 2024

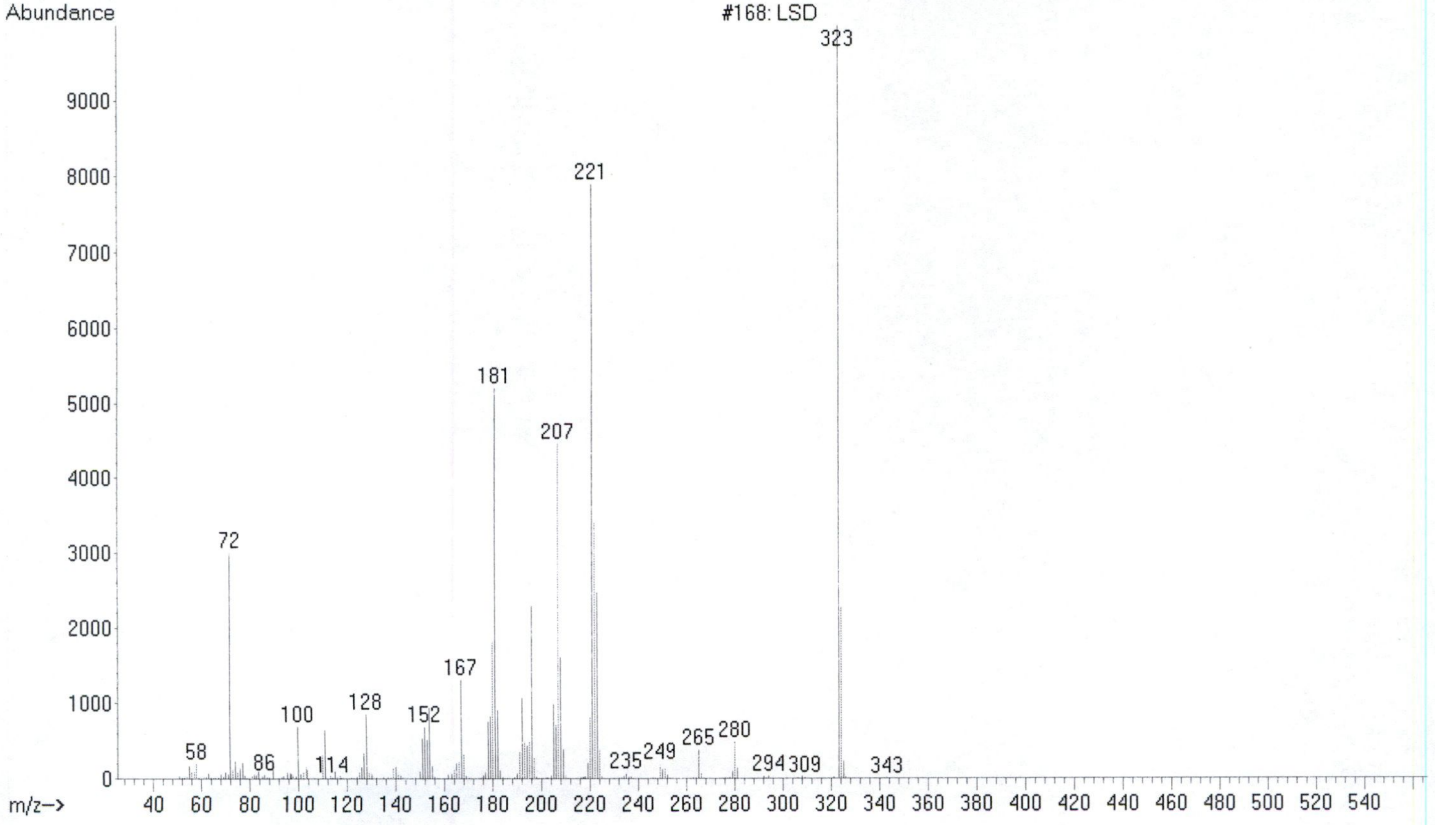


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
20.969	254918165	100.000	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-013.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 10:10 pm using AcqMethod DRUGTEST.M
Sample Name: LSD (S-22-038) 000001340
Misc Info : RT determination

MAY 0 7 2024





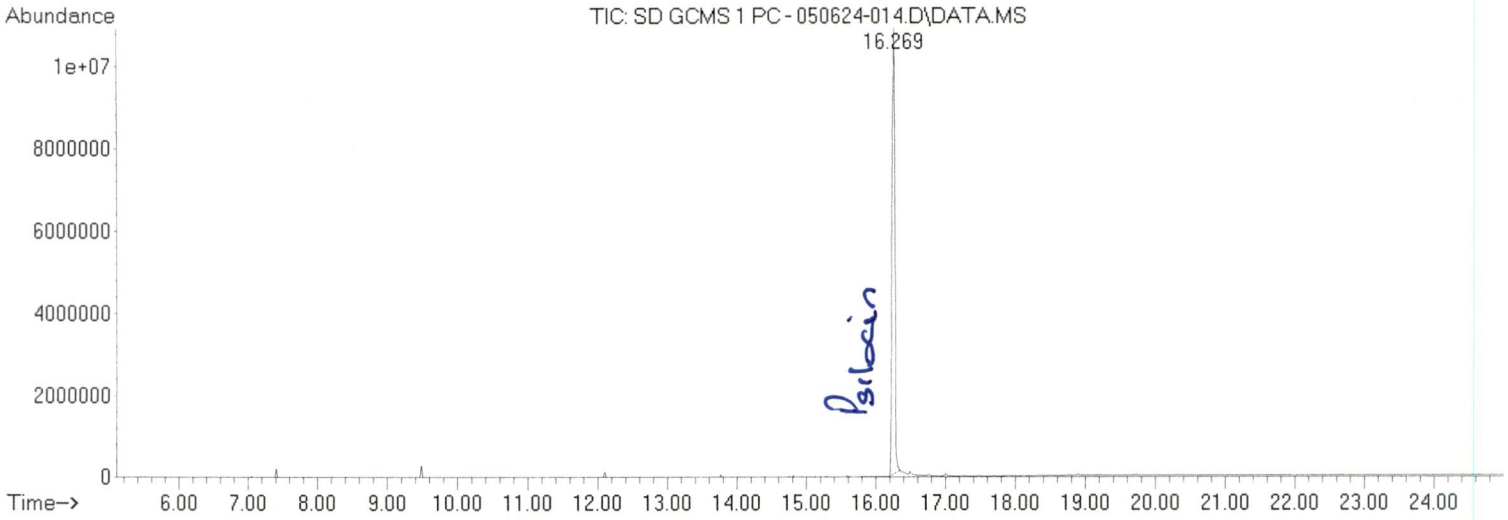
DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-014.D
Operator : SD GCMS 1
Acquired : 6 May 2024 10:40 pm using AcqMethod DRUGTEST50_20X.M
Sample Name: Psilocin (S-22-009) 000001724 ✓
Misc Info : RT determination
Vial Number: 13

DS

MAY 07 2024

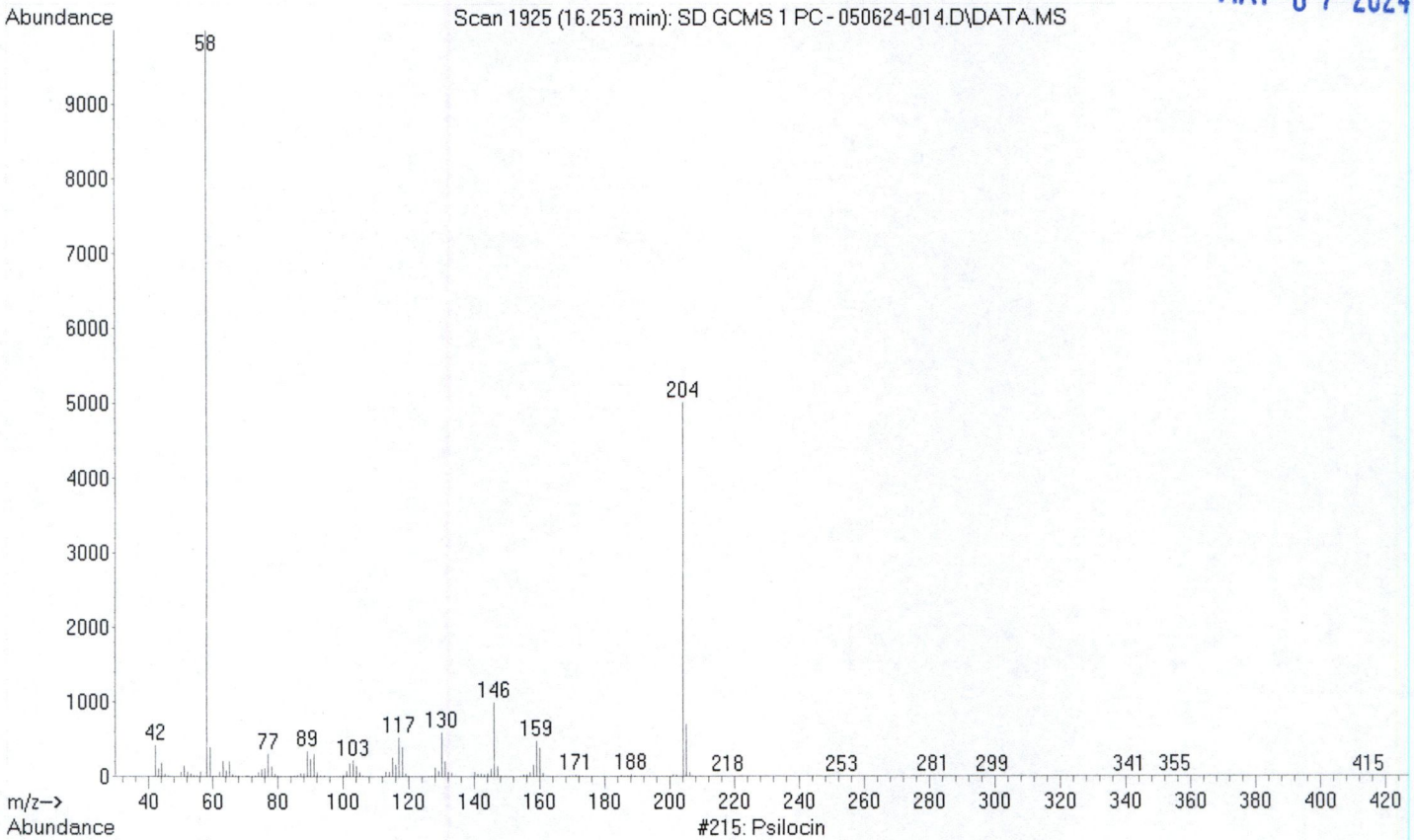


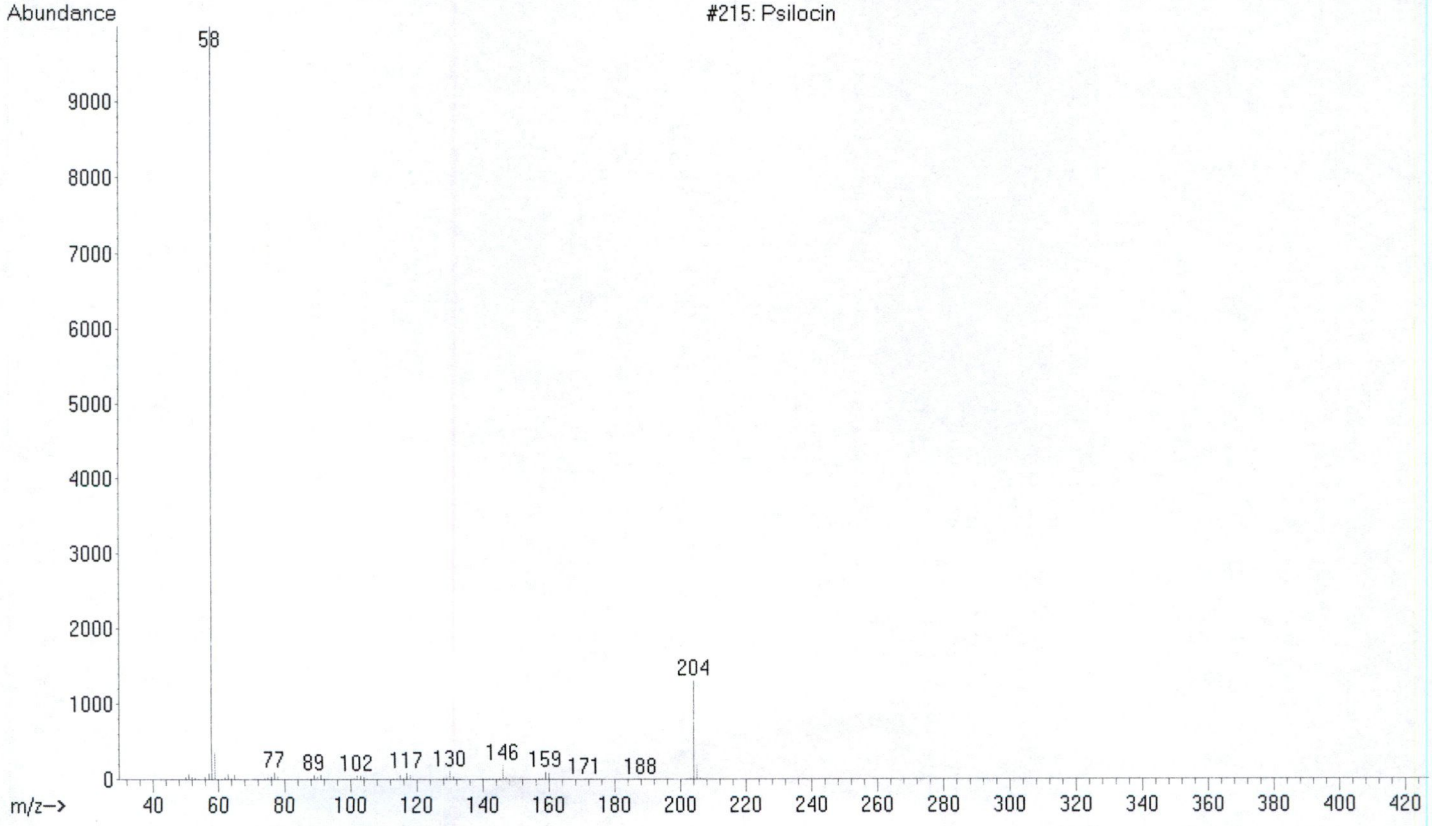
Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
16.269	308801432	100.000	100.000

DS

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-014.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024  10:40 pm using AcqMethod DRUGTEST.M
Sample Name: Psilocin (S-22-009)                          000001724
Misc Info  : RT determination
```

MAY 0 7 2024

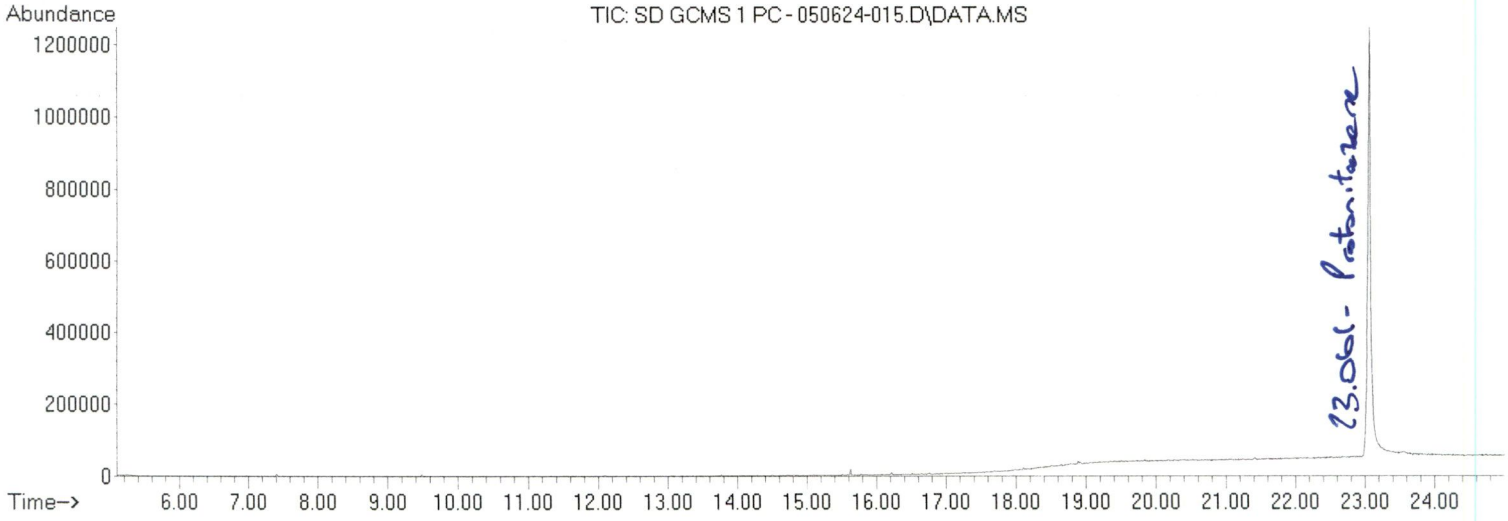




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-015.D
Operator : SD GCMS 1
Acquired : 6 May 2024 11:09 pm using AcqMethod DRUGTEST50_20X.M
Sample Name: Protonitazene (S-23-011) 000005707
Misc Info : RT determination
Vial Number: 14

MAY 07 2024



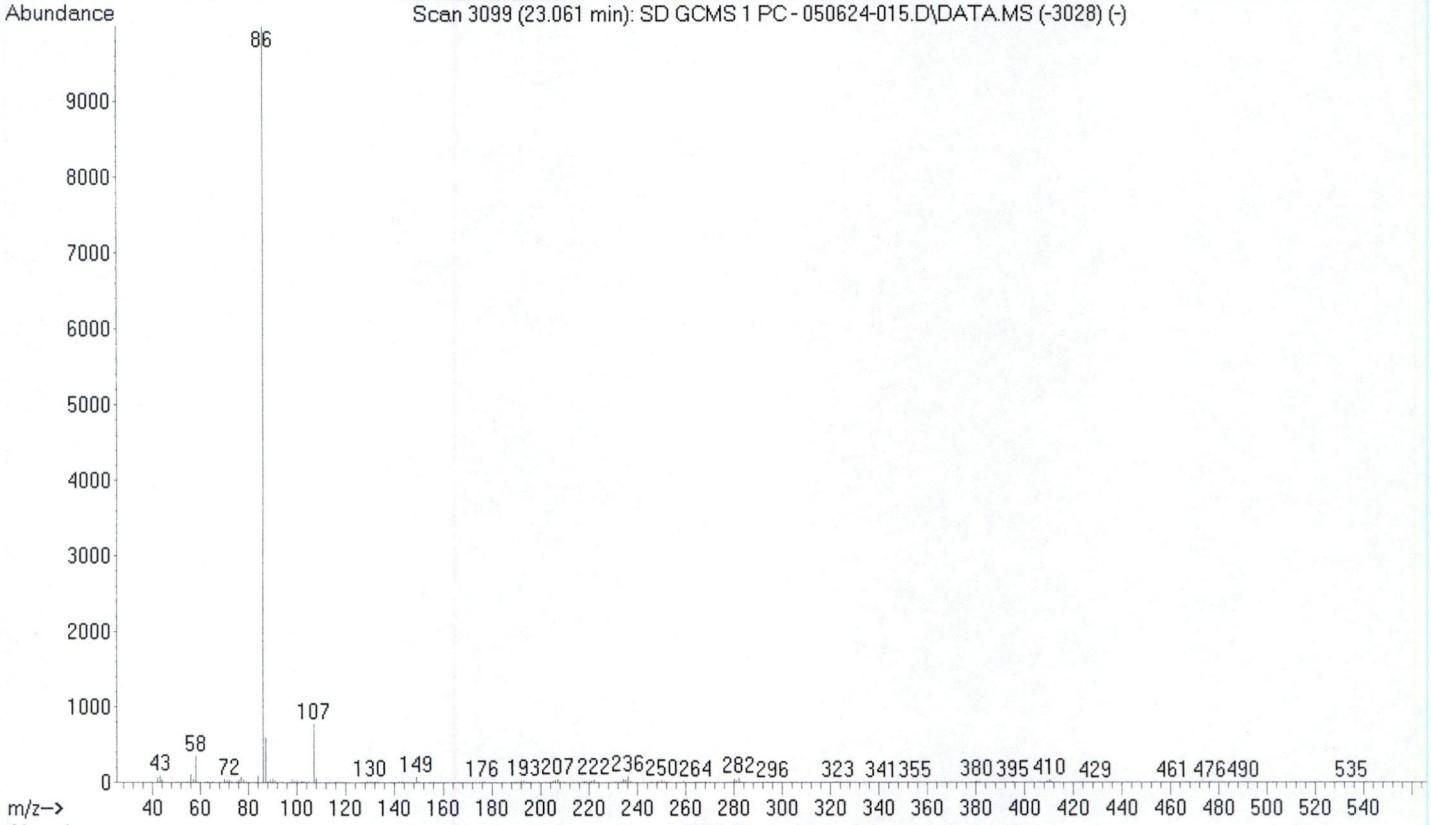
Retention Time	Area	Area %	Ratio %

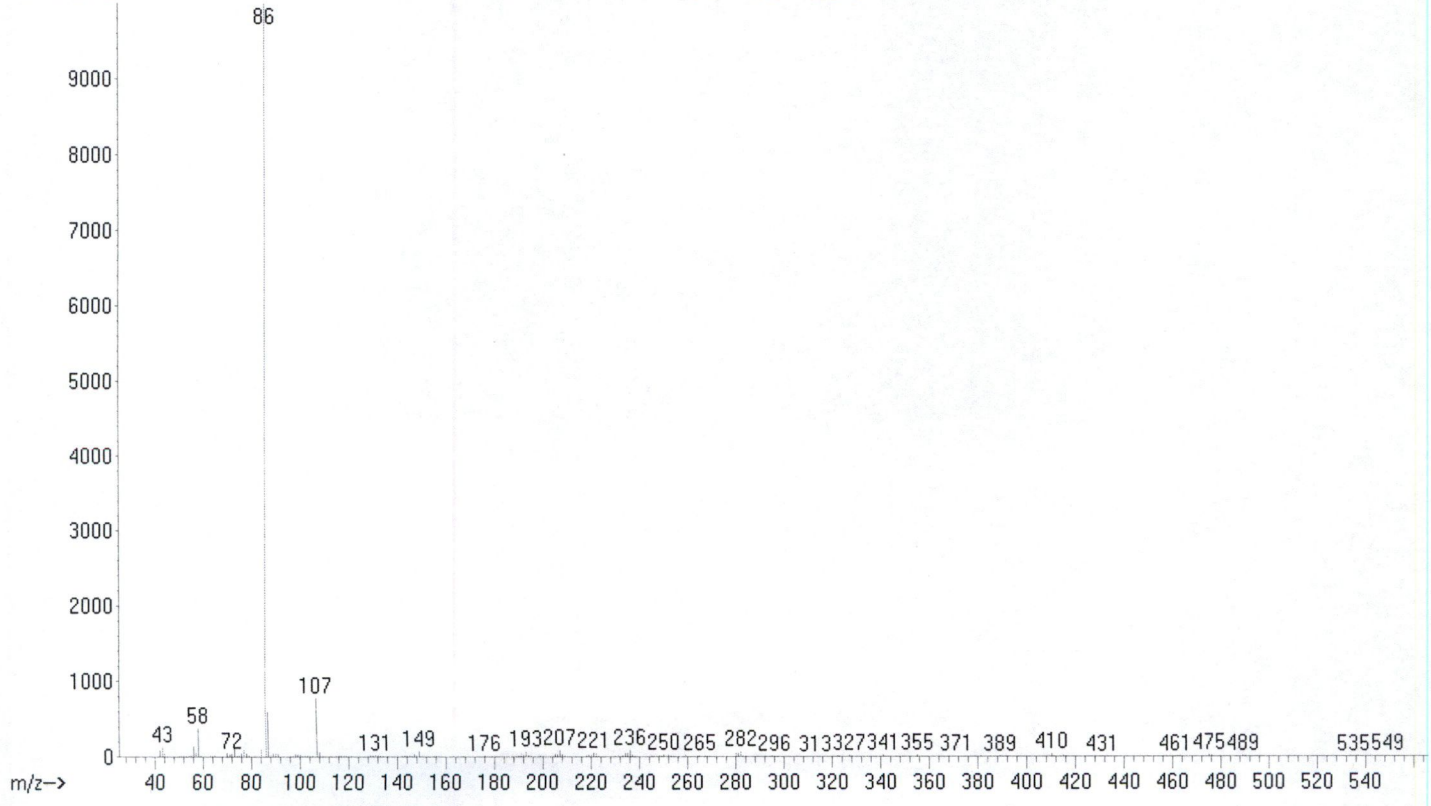
```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ification\050624\06May24A.04p\SD GCMS 1 PC - 050624-015.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  6 May 2024  11:09 pm using AcqMethod DRUGTEST.M
Sample Name: Protonitazene (S-23-011)                    000005707
Misc Info  : RT determination
```

DS

DS

MAY 07 2024

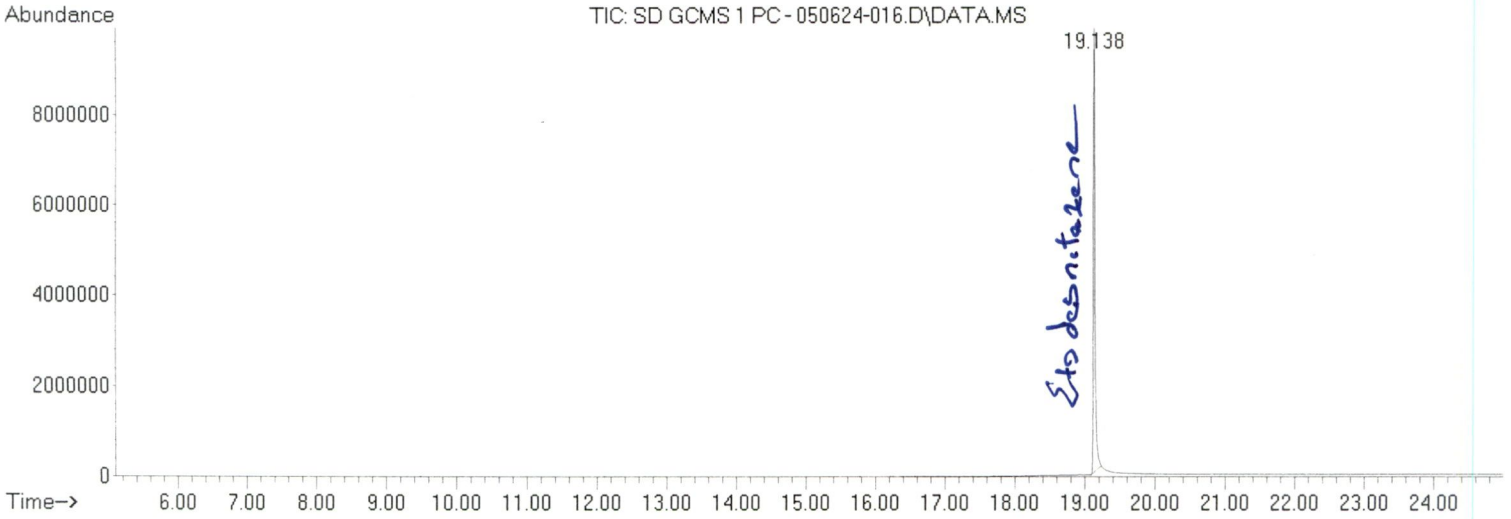




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-016.D
Operator : SD GCMS 1
Acquired : 6 May 2024 11:39 pm using AcqMethod DRUGTEST50_20X.M
Sample Name: Etodesnitazene (S-22-072) 000005703
Misc Info : RT determination
Vial Number: 15

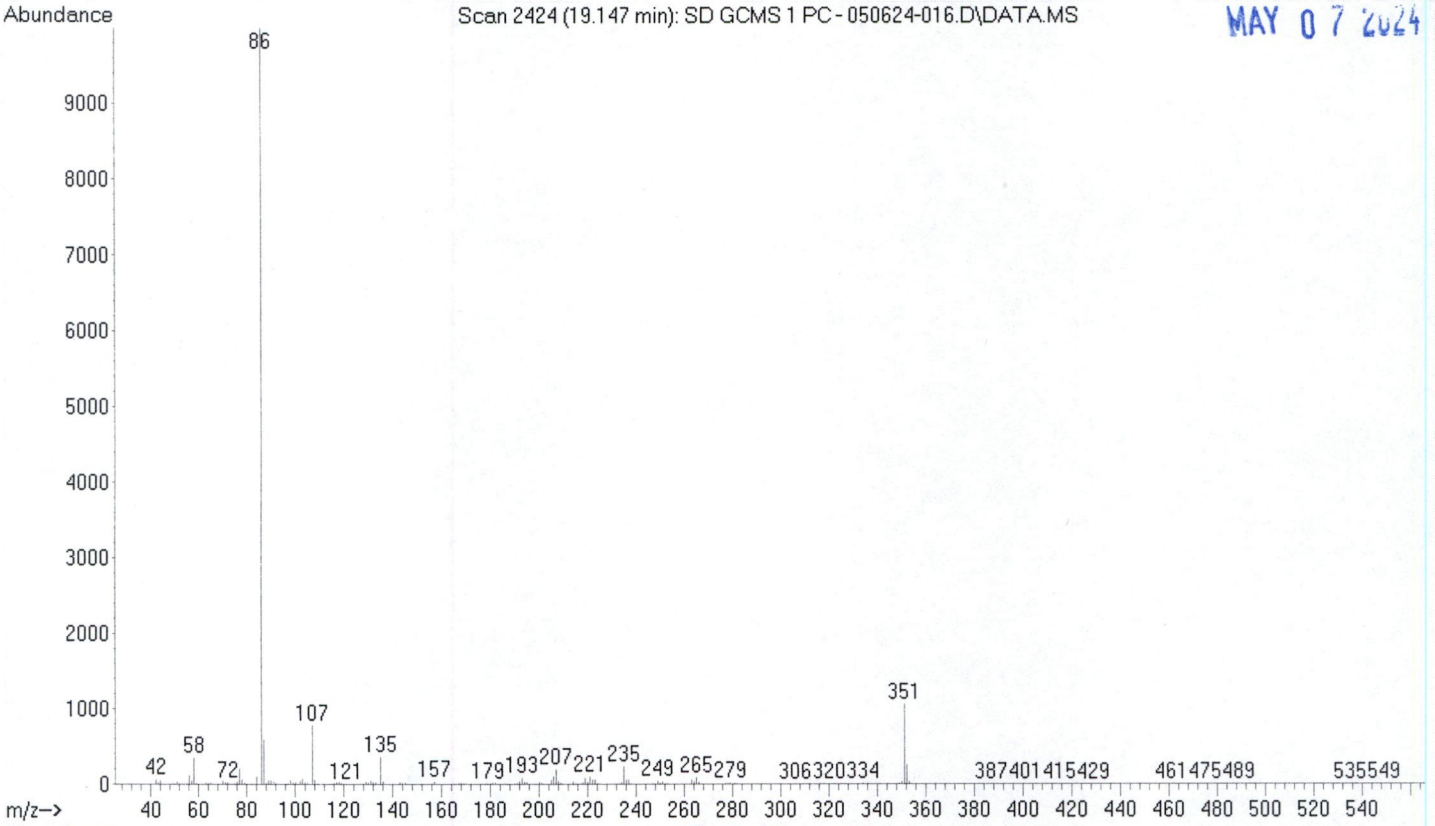
MAY 07 2024

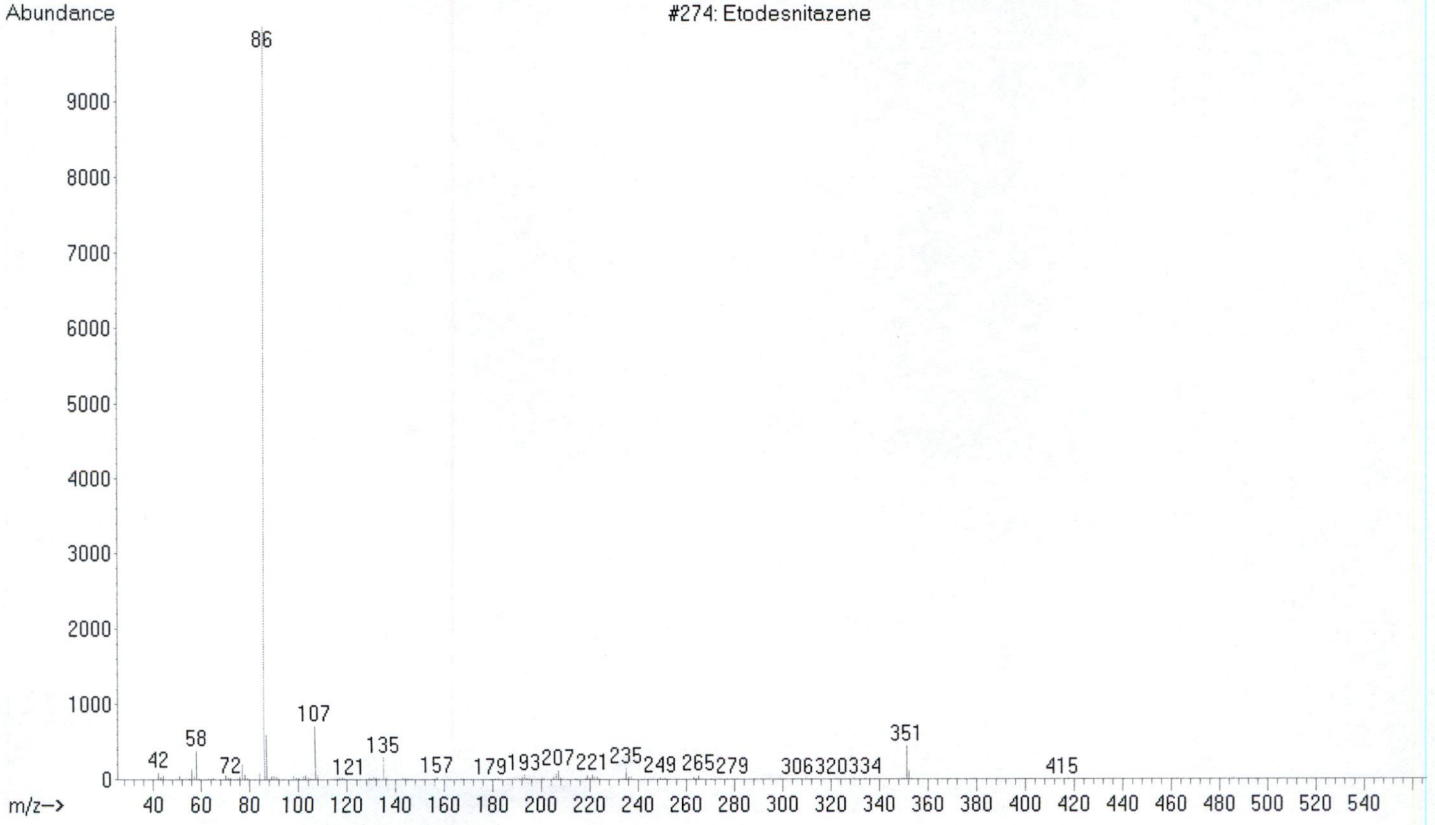


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
19.138	157348025	100.000	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-016.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 6 May 2024 11:39 pm using AcqMethod DRUGTEST.M
Sample Name: Etodesnitazene (S-22-072) 000005703
Misc Info : RT determination

MAY 07 2024

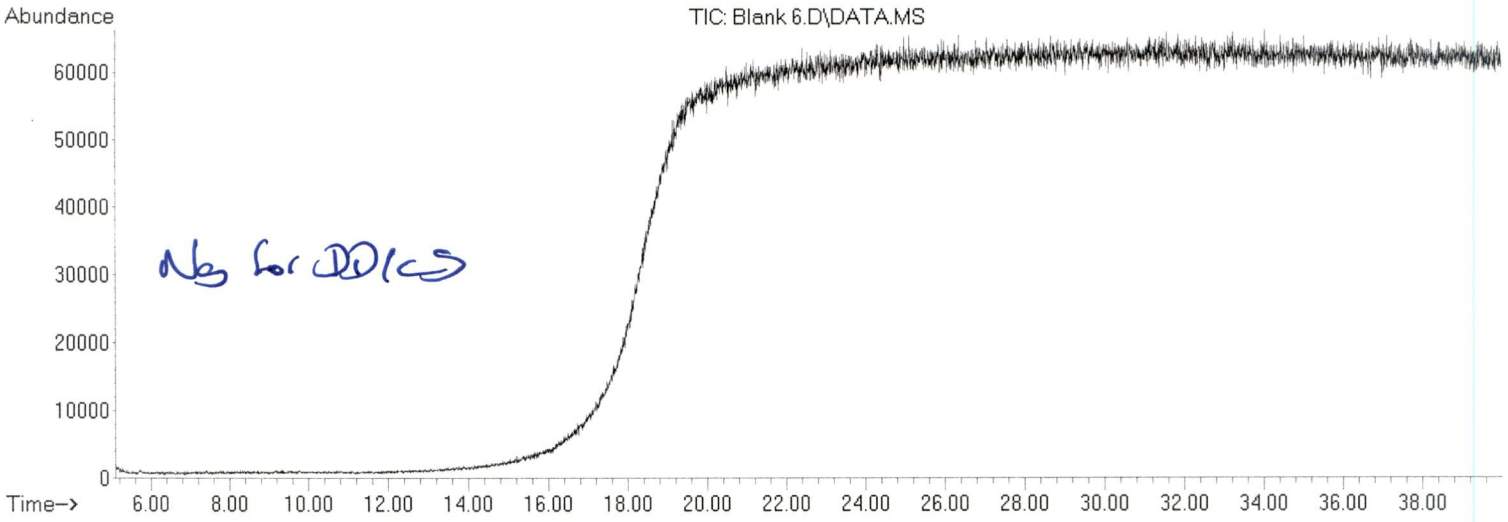




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 6.D
Operator : SD GCMS 1
Acquired : 7 May 2024 12:09 am using AcqMethod DRUGTEST50-FHTI.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

MAY 07 2024

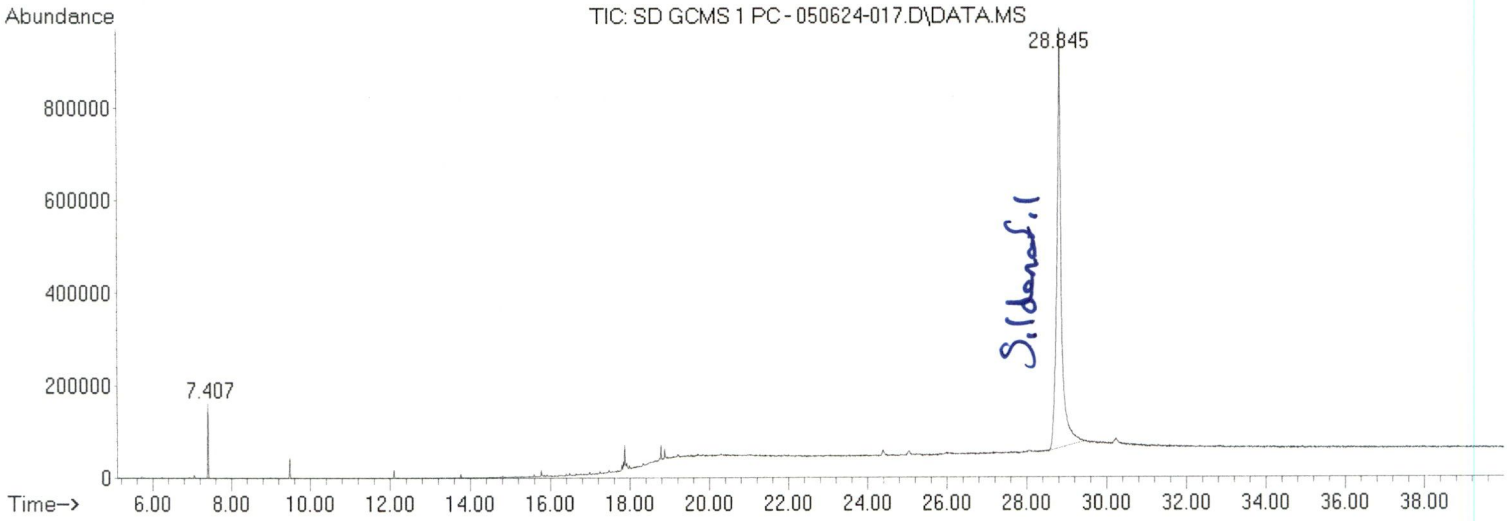


Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-017.D
Operator : SD GCMS 1
Acquired : 7 May 2024 12:54 am using AcqMethod DRUGTEST50-FHTI.M
Sample Name: Sildenafil (R-22-029) 000001333
Misc Info : RT determination
Vial Number: 16

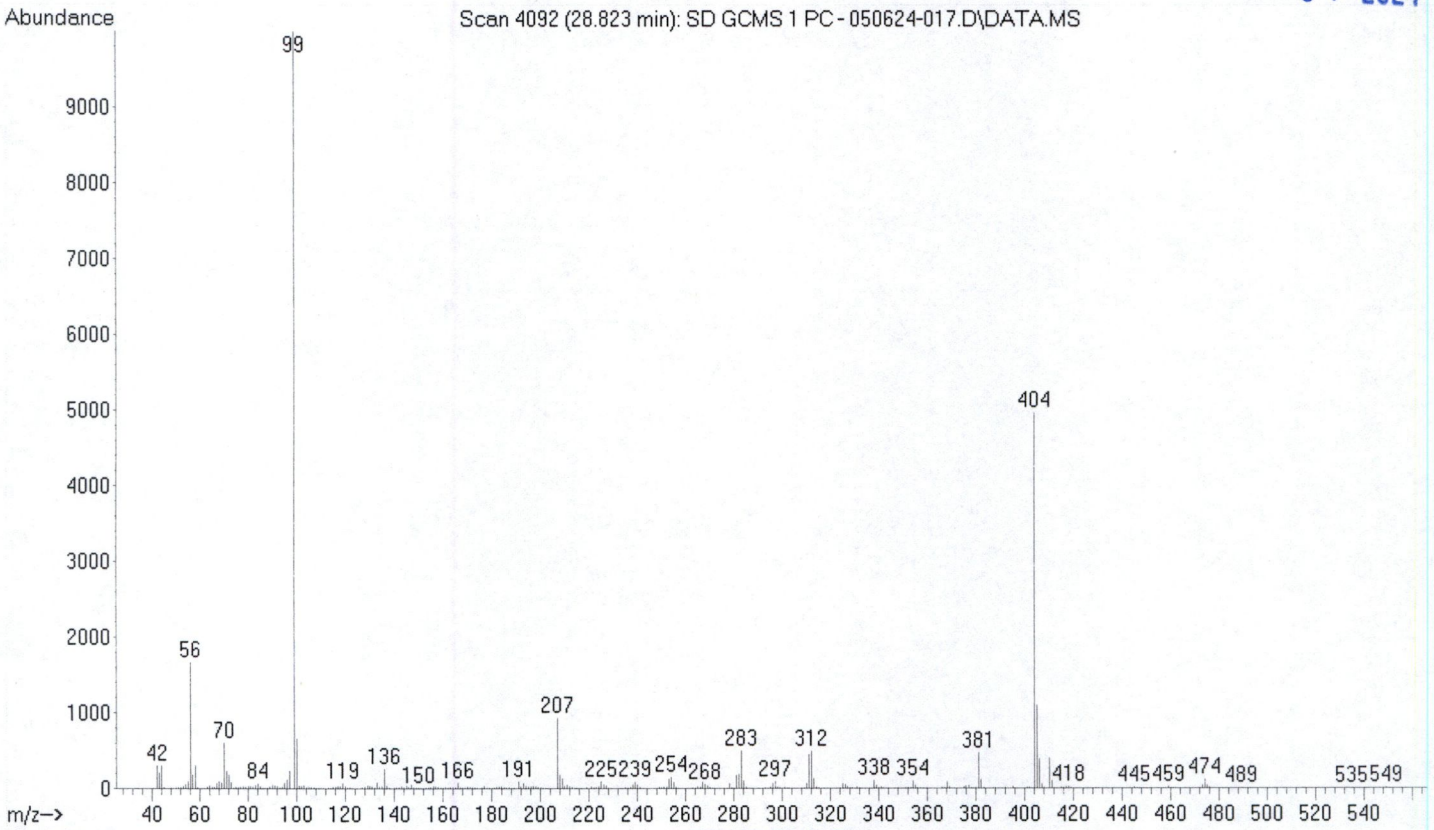
MAY 07 2024

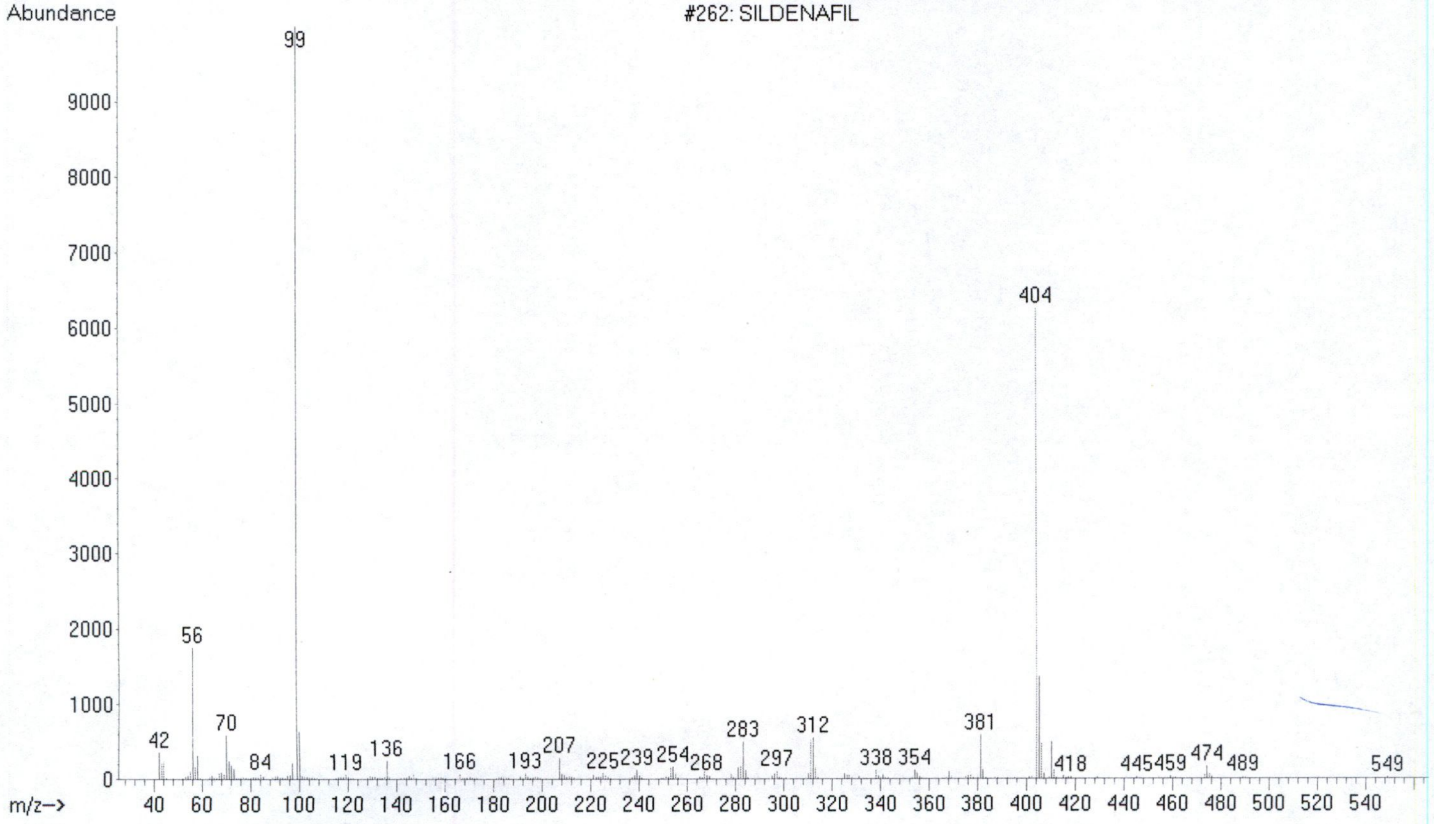


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
7.407	1863105	2.597	2.666
28.845	69884171	97.403	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-017.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 12:54 am using AcqMethod DRUGTEST.M
Sample Name: Sildenafil (R-22-029) 000001333
Misc Info : RT determination

MAY 07 2024





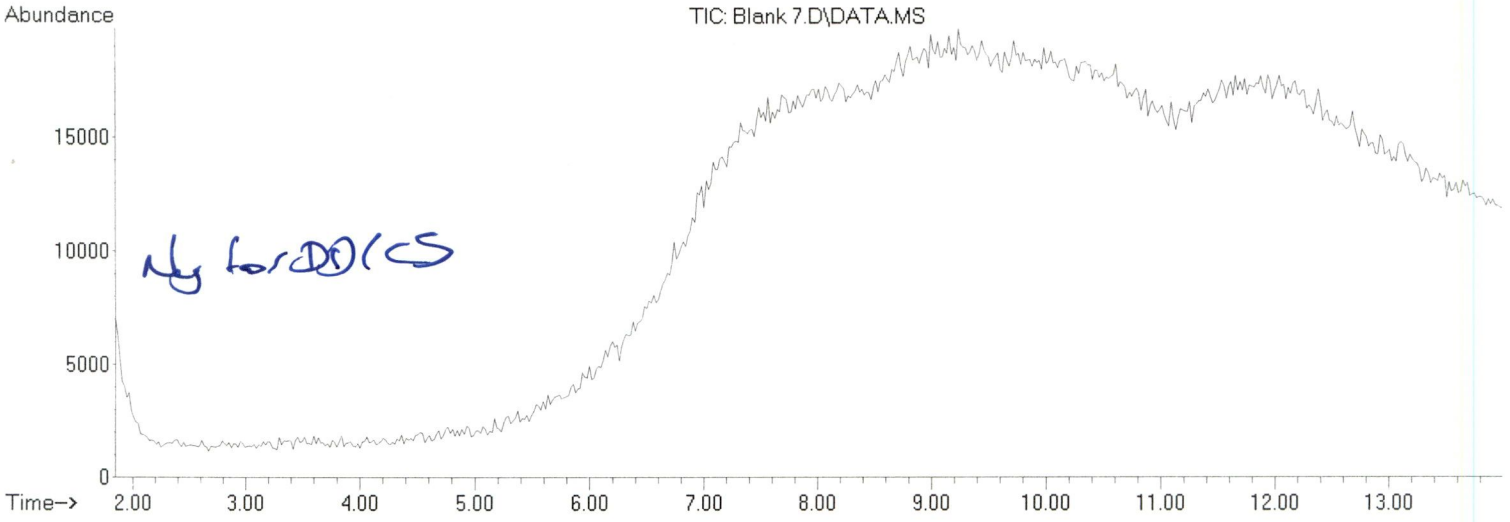
DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 7.D
Operator : SD GCMS 1
Acquired : 7 May 2024 1:37 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

DS

MAY 07 2024



Ng for DDICS

Retention Time	Area	Area %	Ratio %

DS

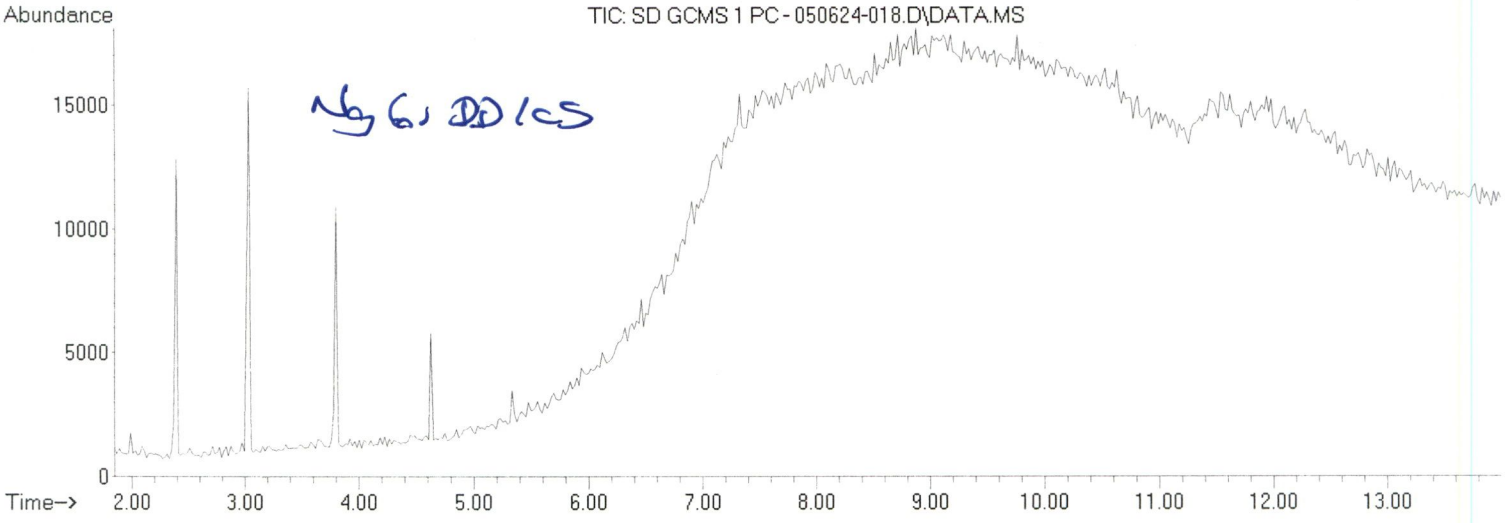
Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-018.D
Operator : SD GCMS 1
Acquired : 7 May 2024 1:55 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Buprenorphine (S-22-008) 000005957
Misc Info : RT determination
Vial Number: 17

DS

MAY 07 2024

RUN 1



Mg 61 DD ICS

Retention Time	Area	Area %	Ratio %

Wrong method used, sample will be reinjected on method DrugTest50_20x. ~~Bccl Gendrug~~.

DS

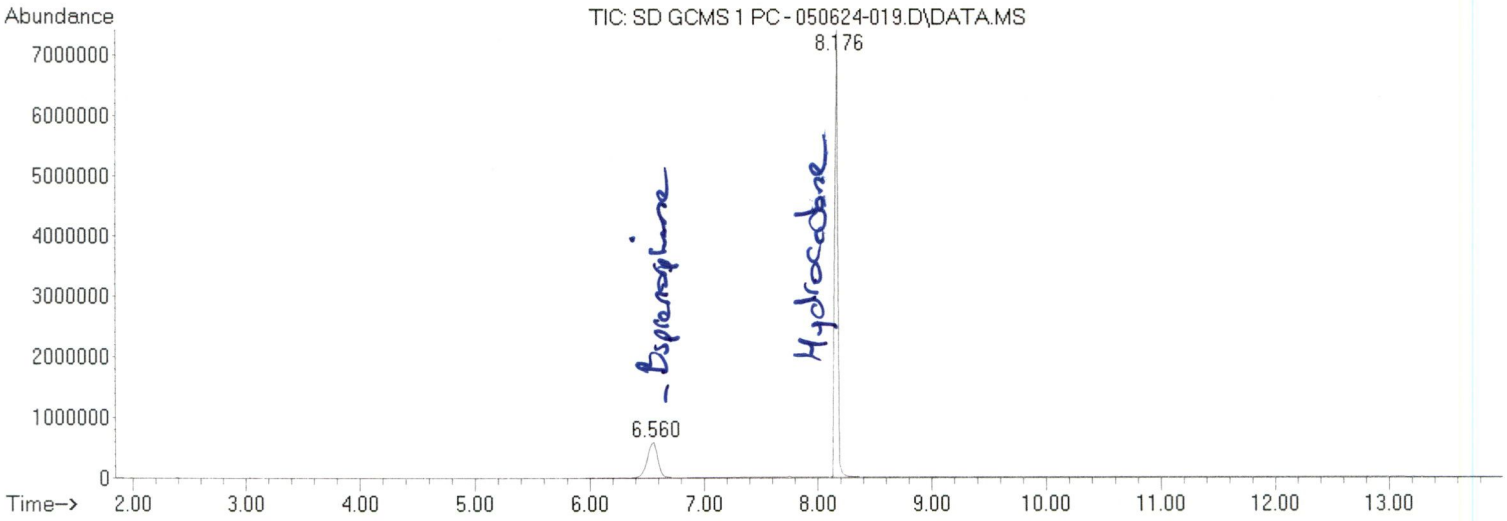
The resulting run will be labeled SD GCMS 1 PC-050624-031.

DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-019.D
Operator : SD GCMS 1
Acquired : 7 May 2024 2:13 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Hydrocodone (R-23-023) 000005941
Misc Info : RT determination
Vial Number: 18

MAY 07 2024



Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
6.560	37558547	21.031	26.632
8.176	141026460	78.969	100.000

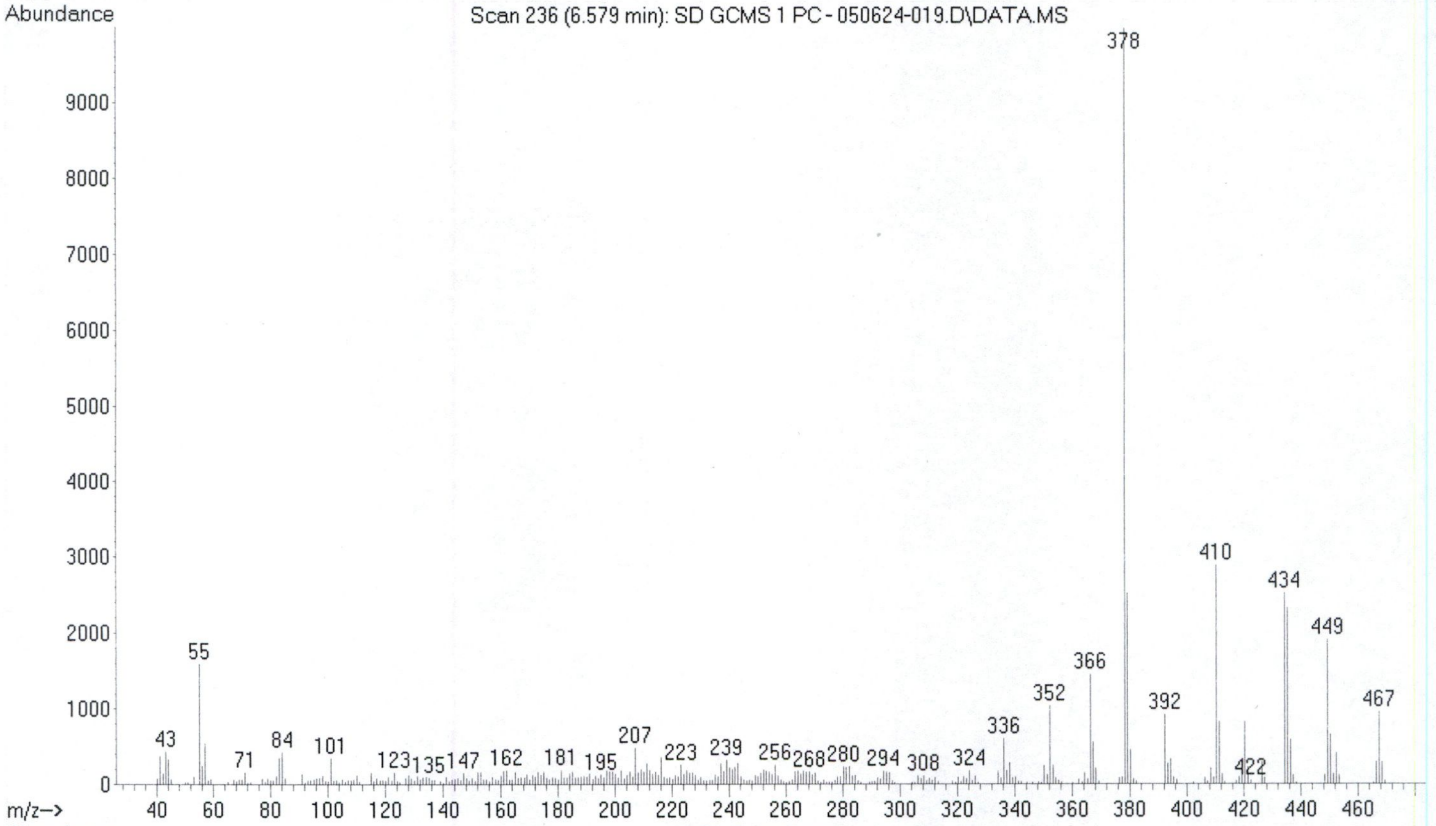
Buprenorphine is carry-over from run 050624-018.
The ~~run~~ wrong method (BCCL GenDrug) was used resulting in the buprenorphine std. not eluting until this drug. The buprenorphine std will be re-injected. The resulting run will be labeled 050624-031.

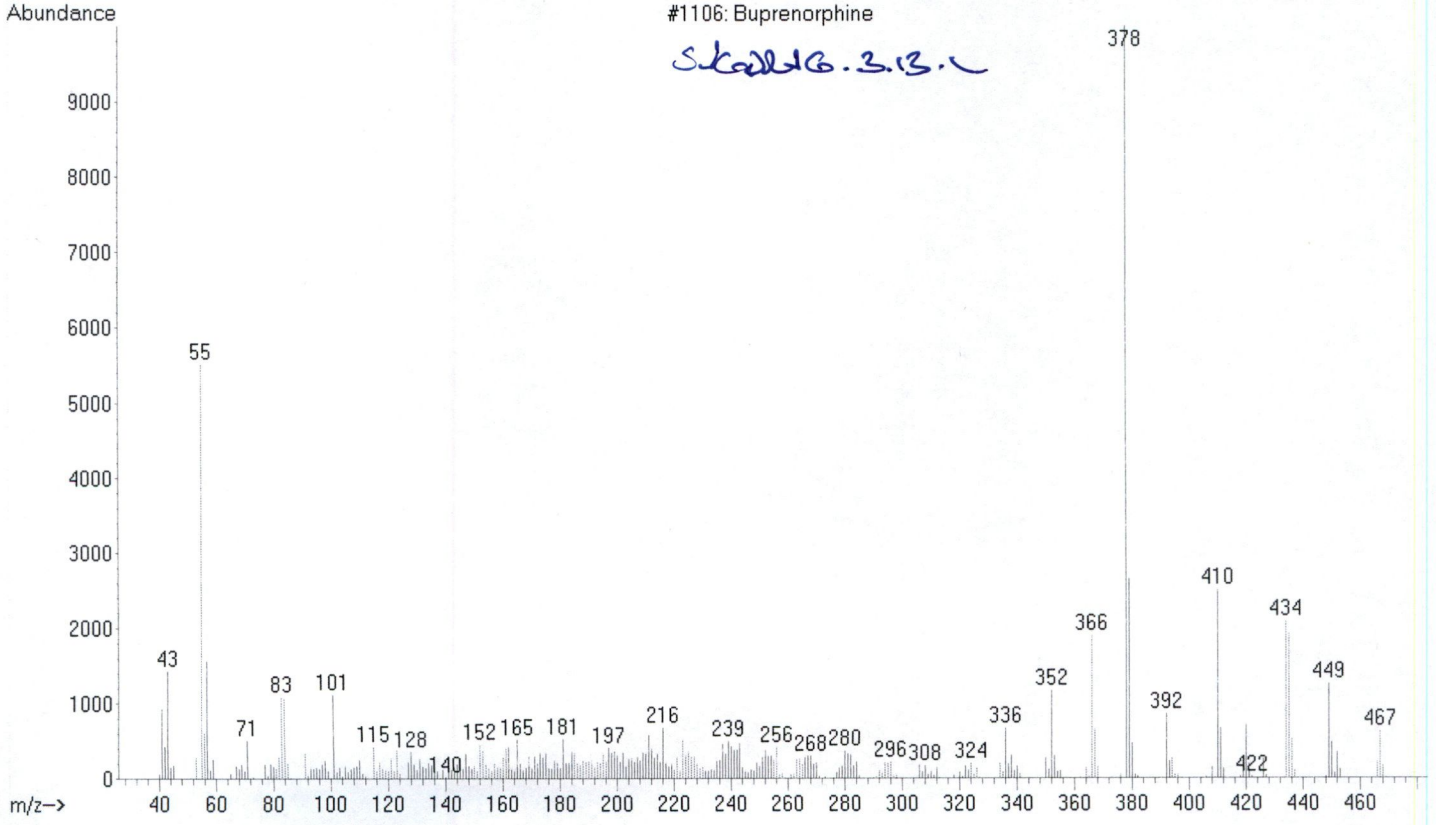
DS

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-019.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 2:13 am using AcqMethod BCCL.M
Sample Name: Hydrocodone (R-23-023) 000005941 ✓
Misc Info : RT determination

DS

MAY 07 2024

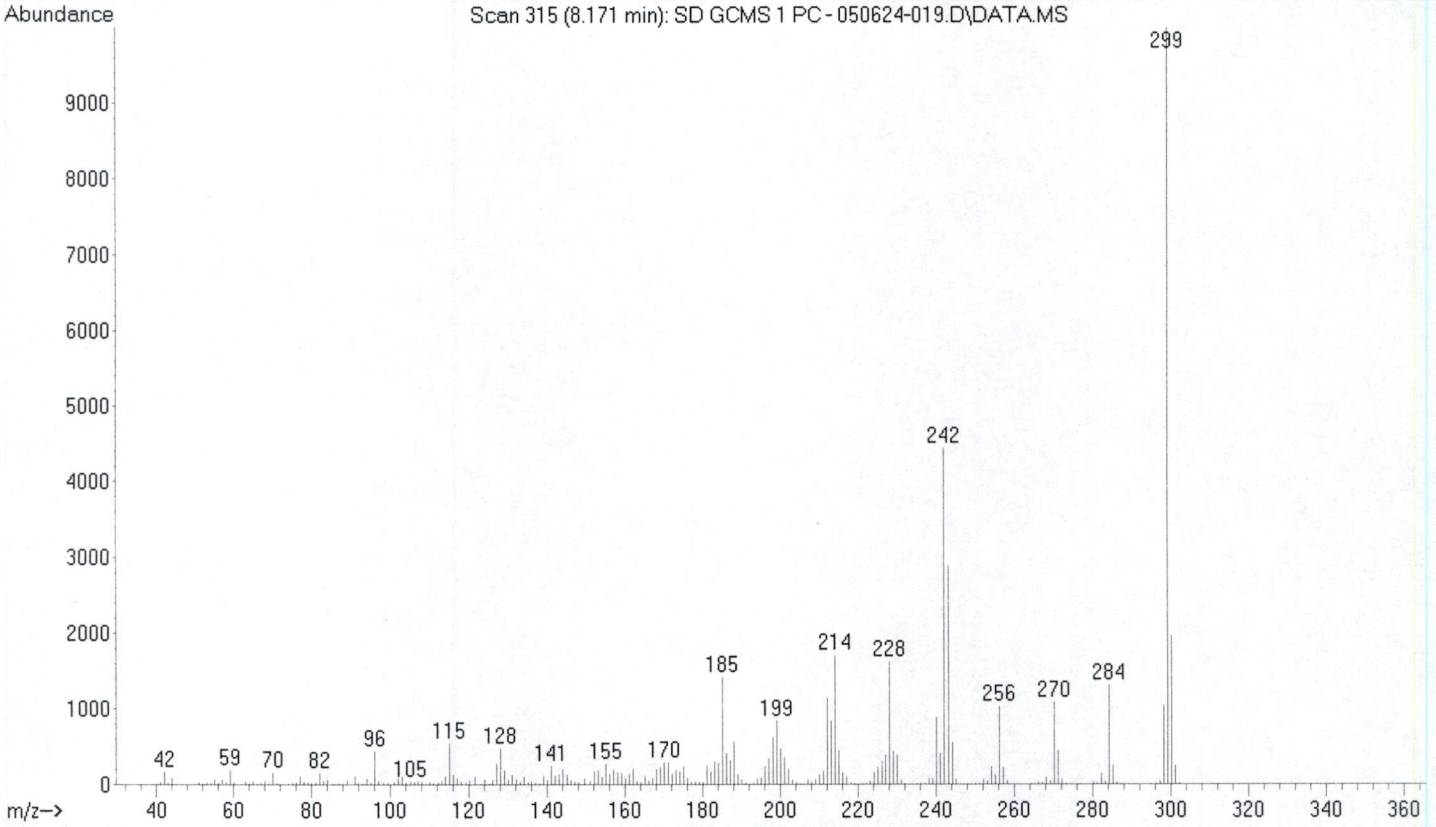


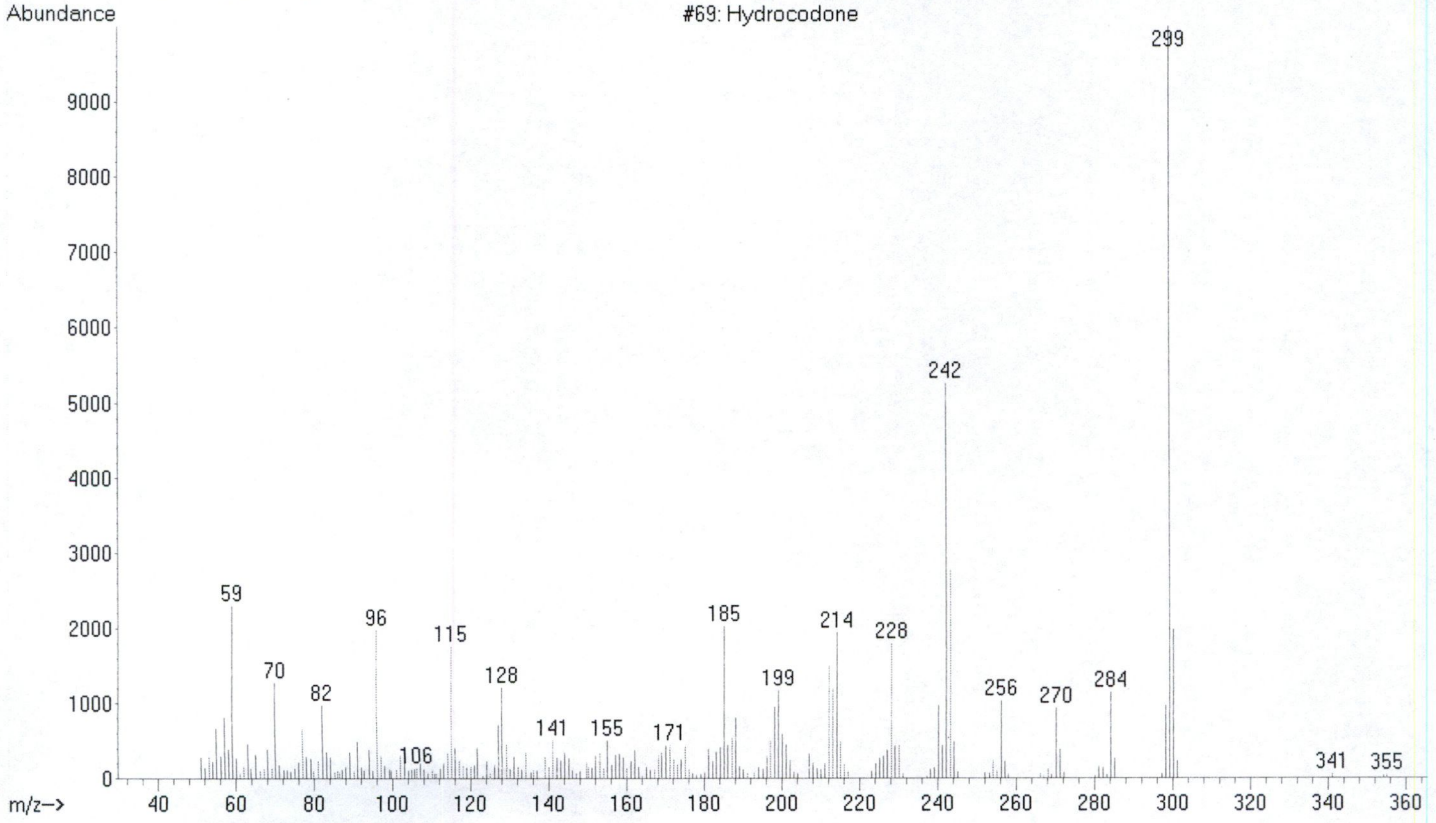


Standard 3.13.C

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-019.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 2:13 am using AcqMethod BCCL.M
Sample Name: Hydrocodone (R-23-023) 000005941
Misc Info : RT determination

MAY 07 2024

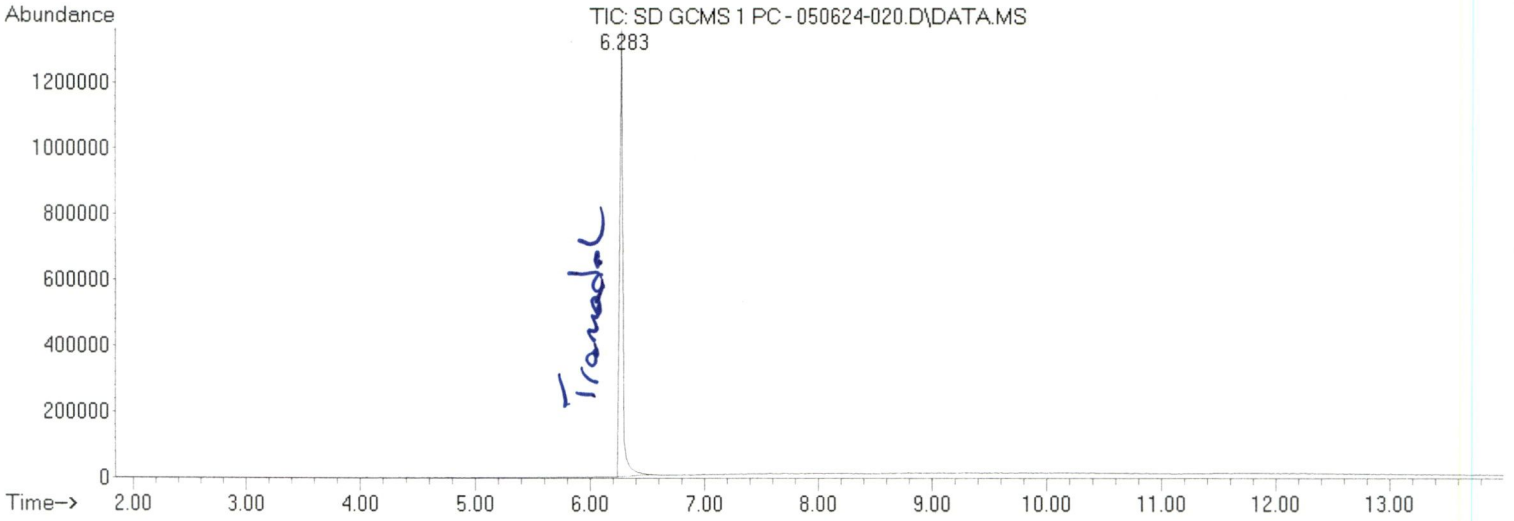




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-020.D
Operator : SD GCMS 1
Acquired : 7 May 2024 2:30 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Tramadol (~~S-24-004~~) R.24-004 000005993
Misc Info : RT determination
Vial Number: 19

MAY 07 2024

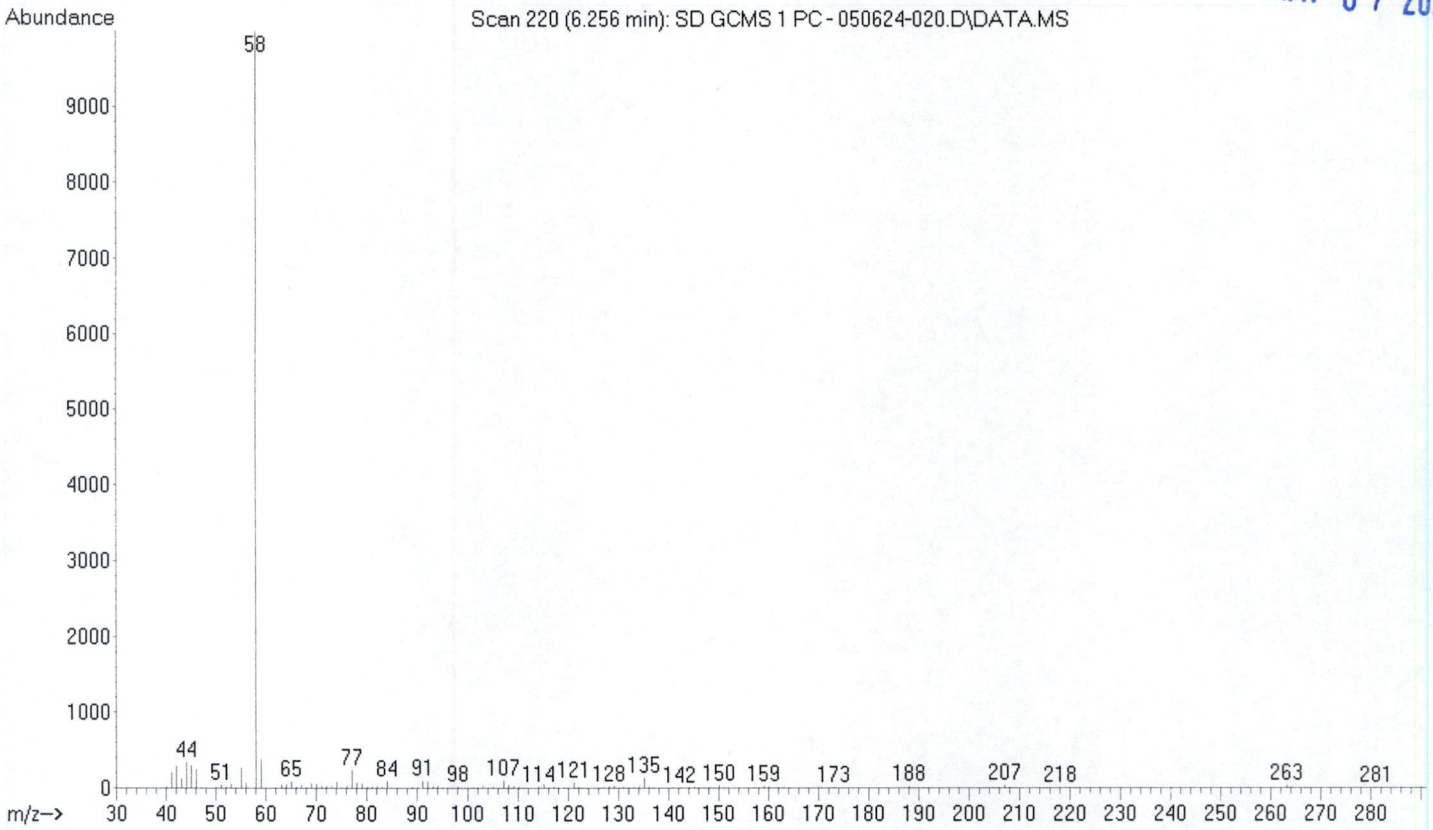


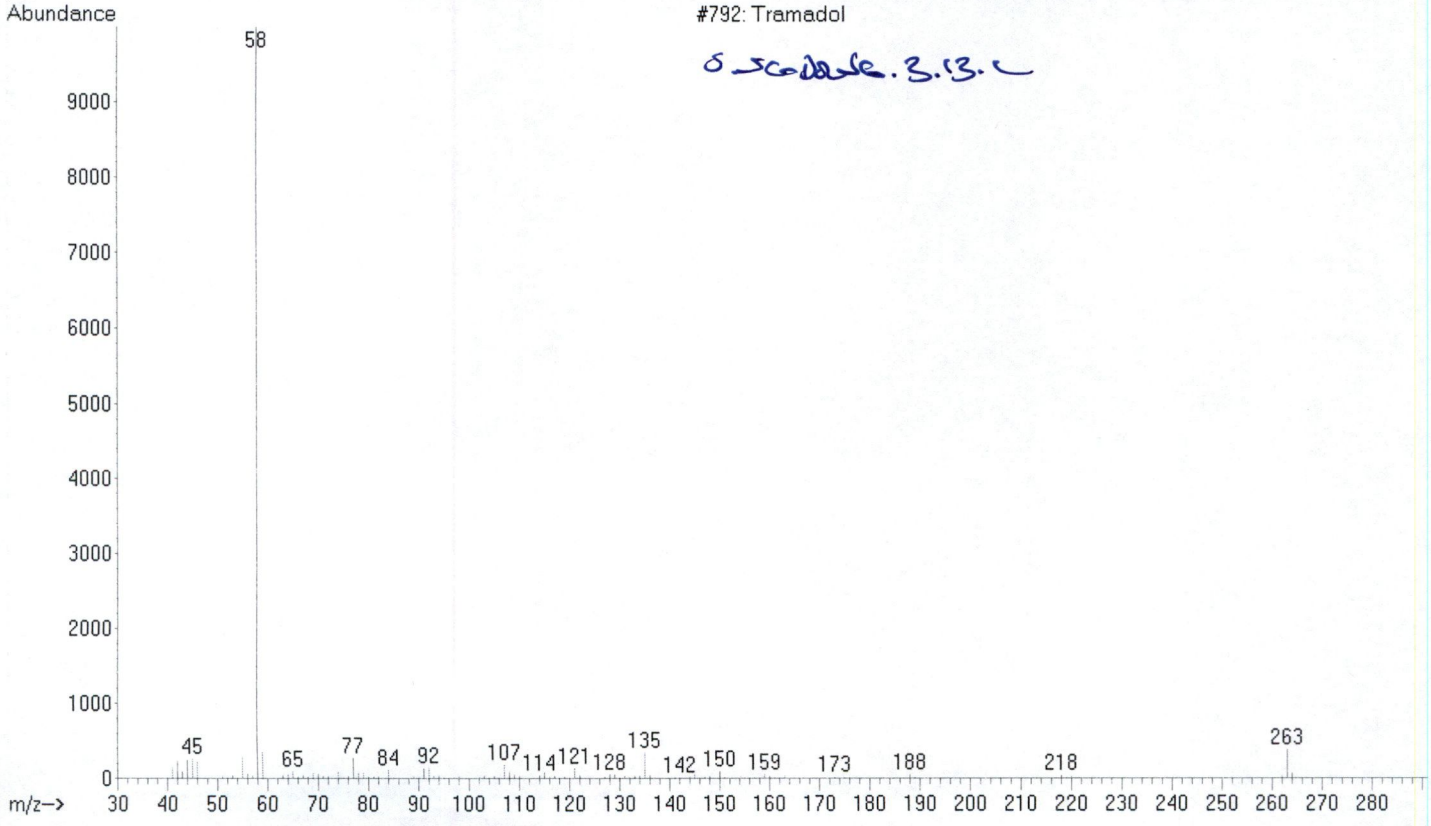
Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
6.283	27441817	100.000	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-020.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 2:30 am using AcqMethod BCCL.M
Sample Name: Tramadol (~~S-24-004~~) R-24-004 000005993 J
Misc Info : RT determination DS DS

DS

MAY 07 2024



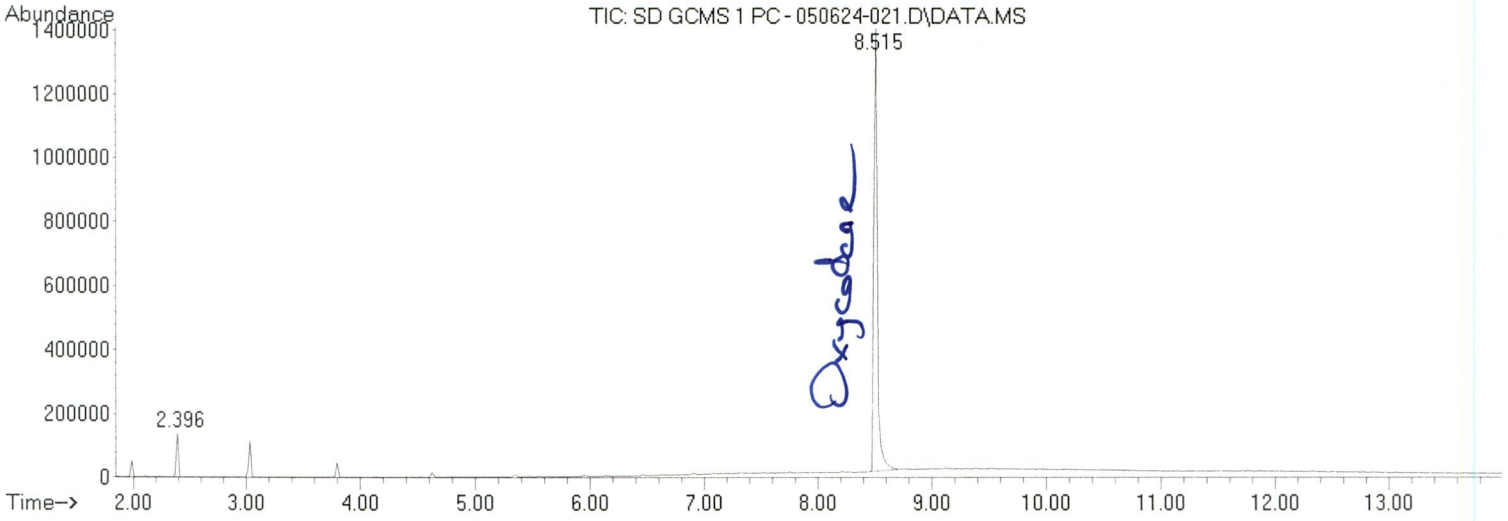


δ Scaffold. 3.13. L

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-021.D
Operator : SD GCMS 1
Acquired : 7 May 2024 2:48 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Oxycodone (S-22-034) 000002629
Misc Info : RT determination
Vial Number: 20

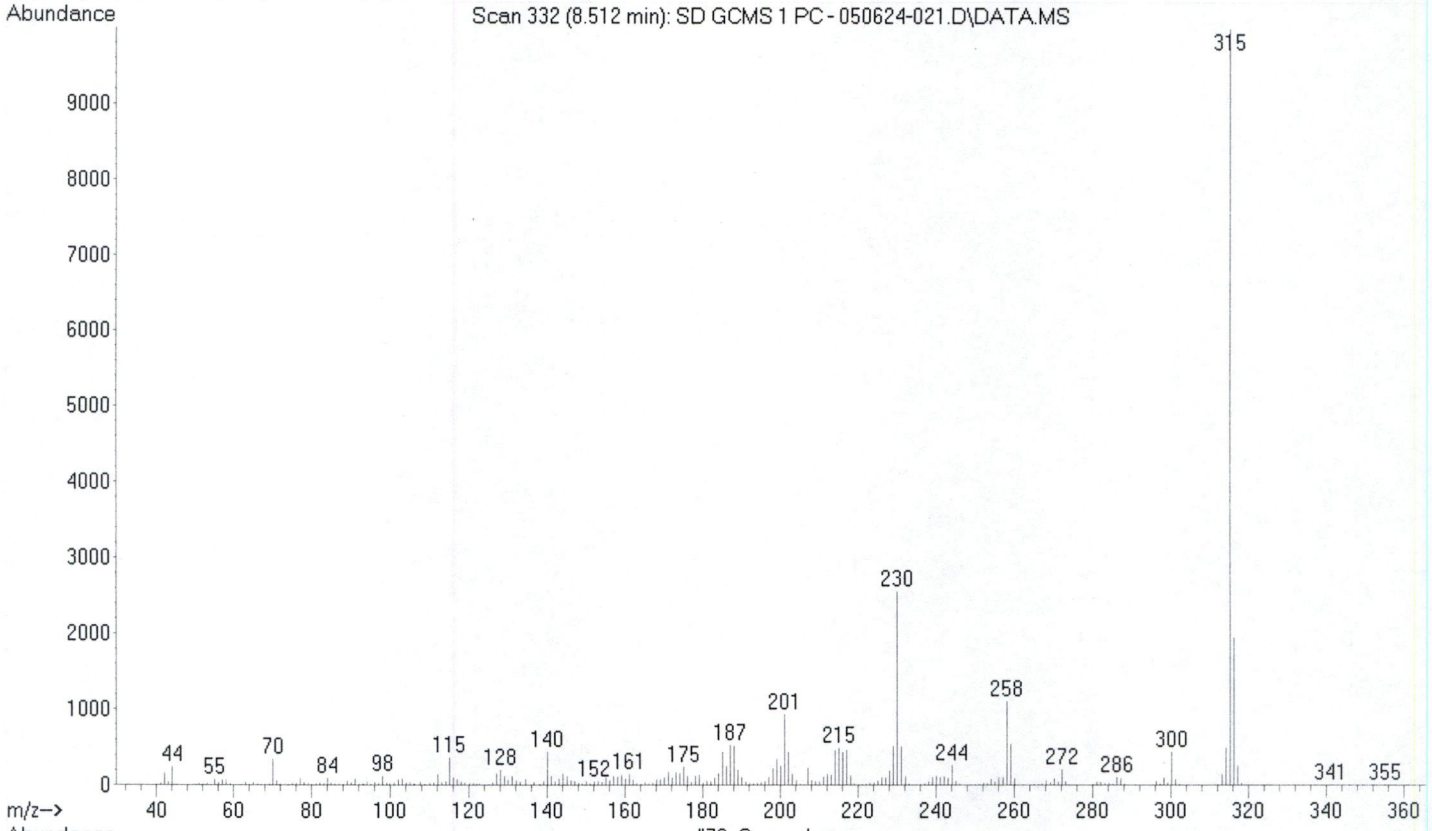
MAY 07 2024

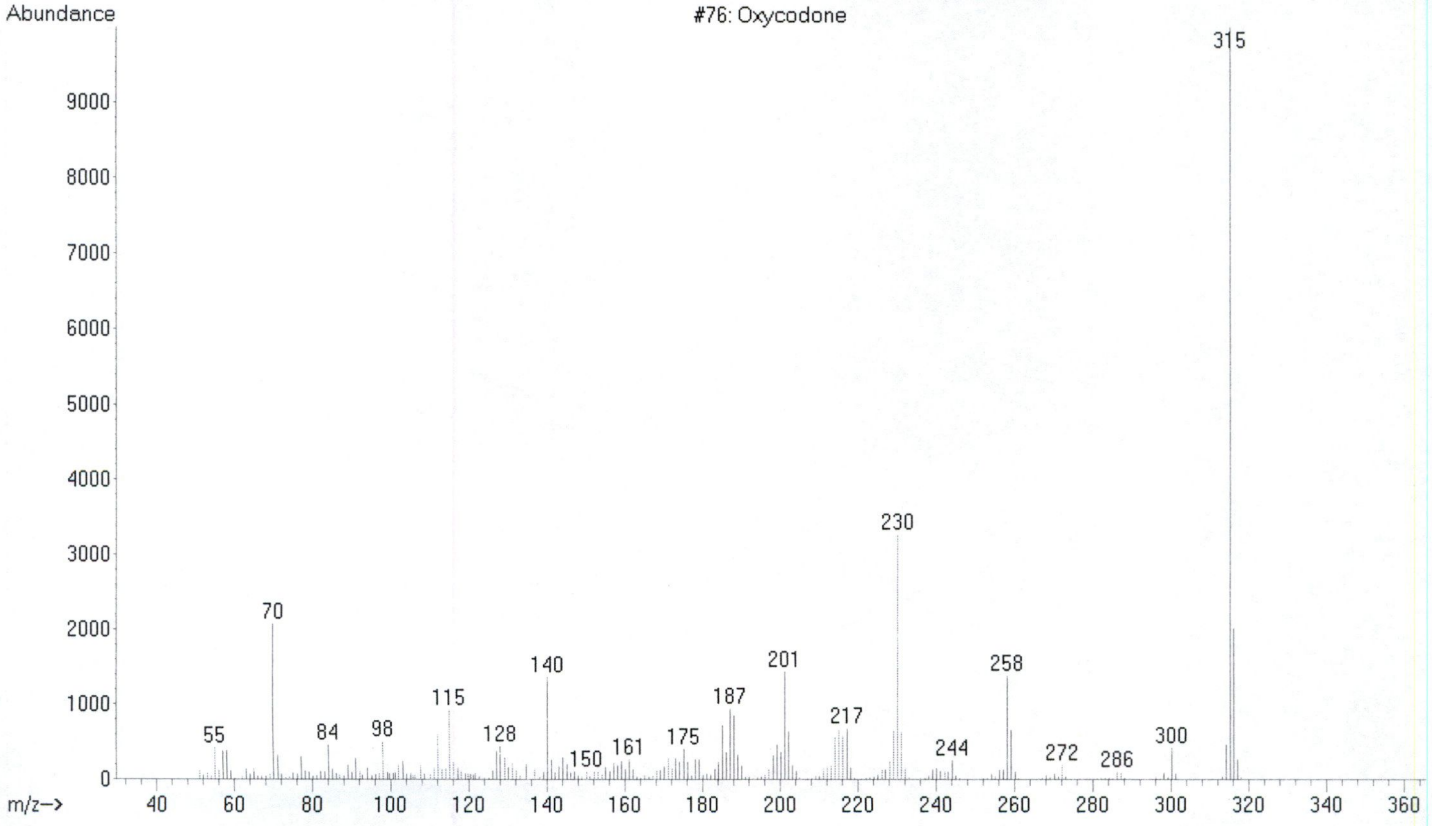


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
2.396	1766576	5.331	5.631
8.515	31370827	94.669	100.000

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-021.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  7 May 2024   2:48 am using AcqMethod BCCL.M
Sample Name: Oxycodone (S-22-034)                          000002629
Misc Info  : RT determination
```

MAY 0 7 2024

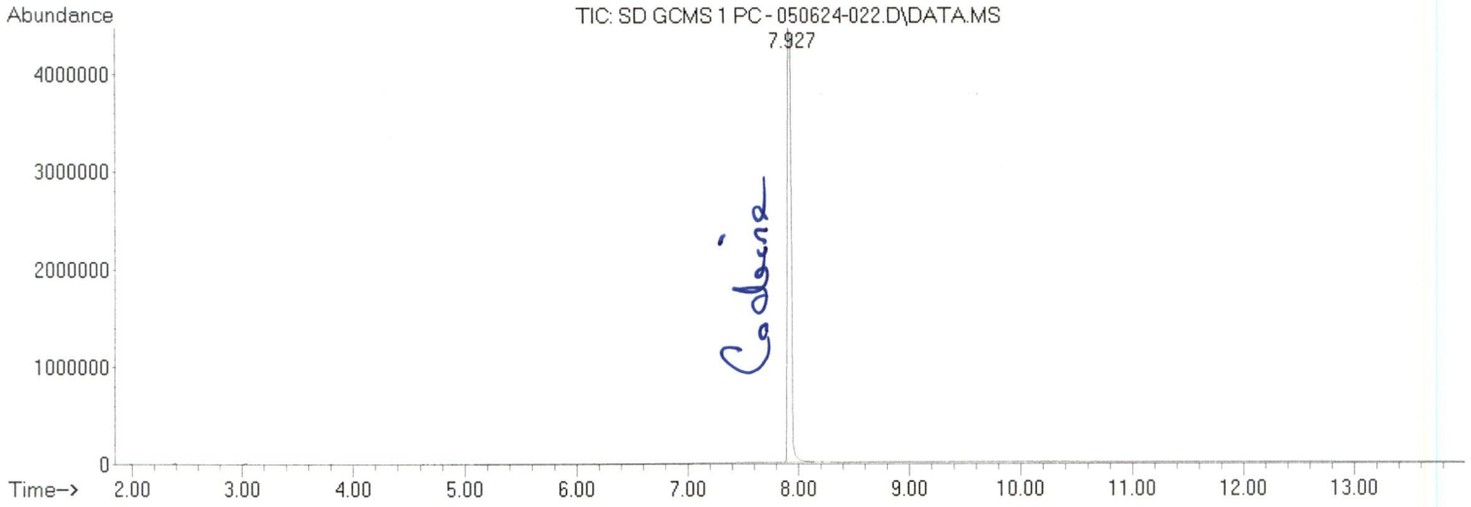




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-022.D
Operator : SD GCMS 1
Acquired : 7 May 2024 3:06 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Codeine (S-23-022) 000005945
Misc Info : RT determination
Vial Number: 21

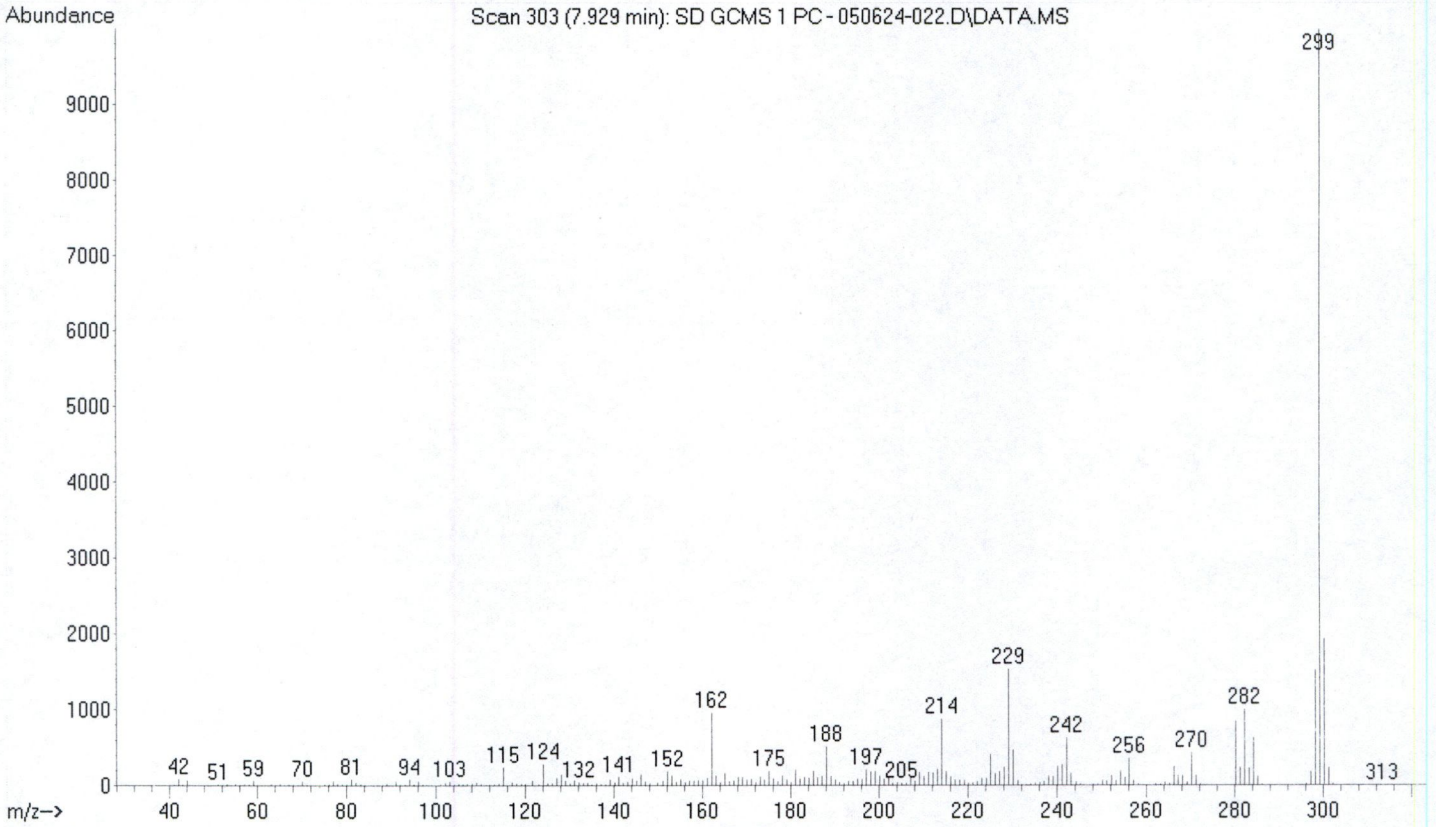
MAY 07 2024

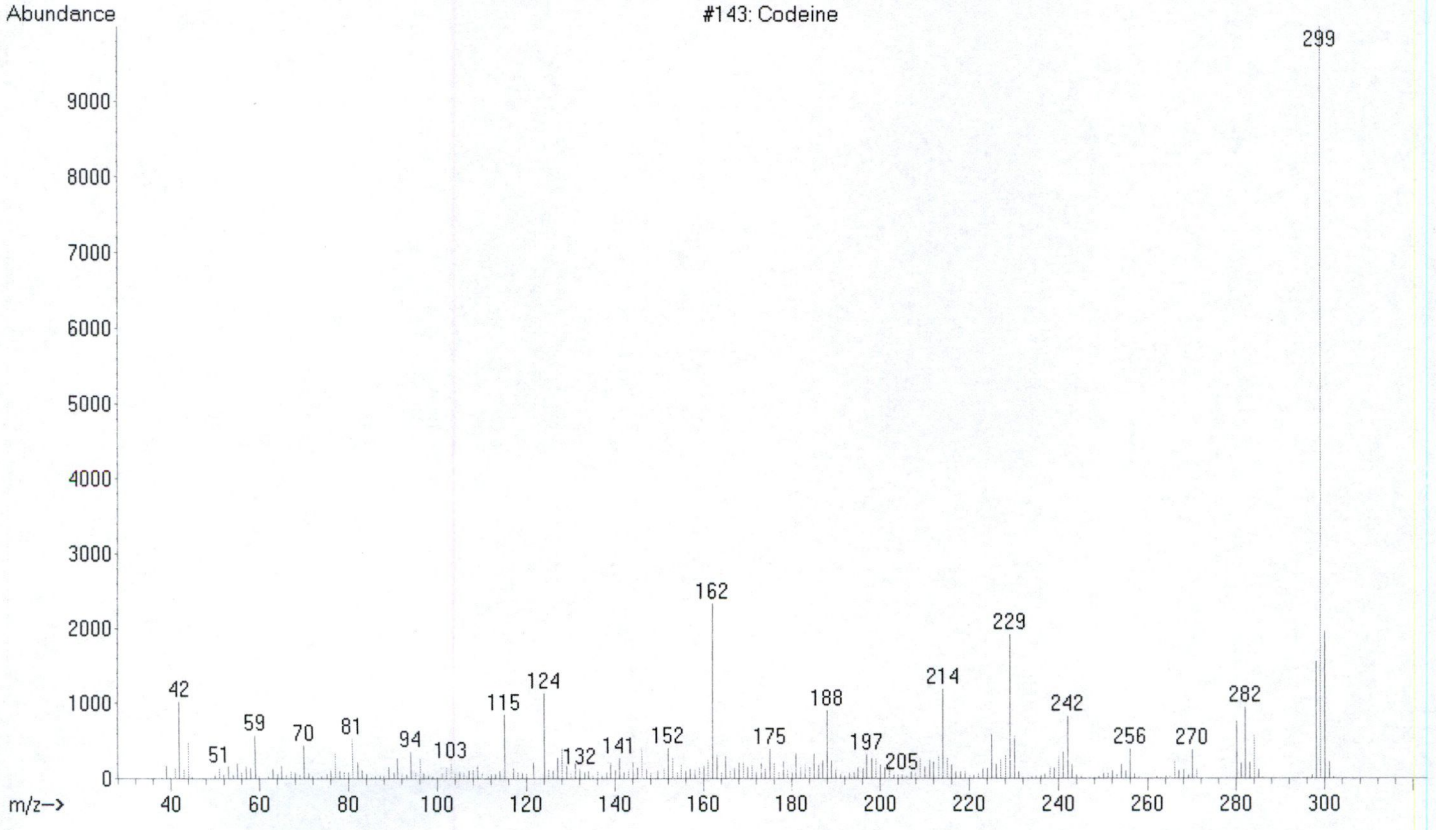


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
7.927	111448529	100.000	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-022.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 3:06 am using AcqMethod BCCL.M
Sample Name: Codeine (S-23-022) 000005945
Misc Info : RT determination

MAY 0 7 2024

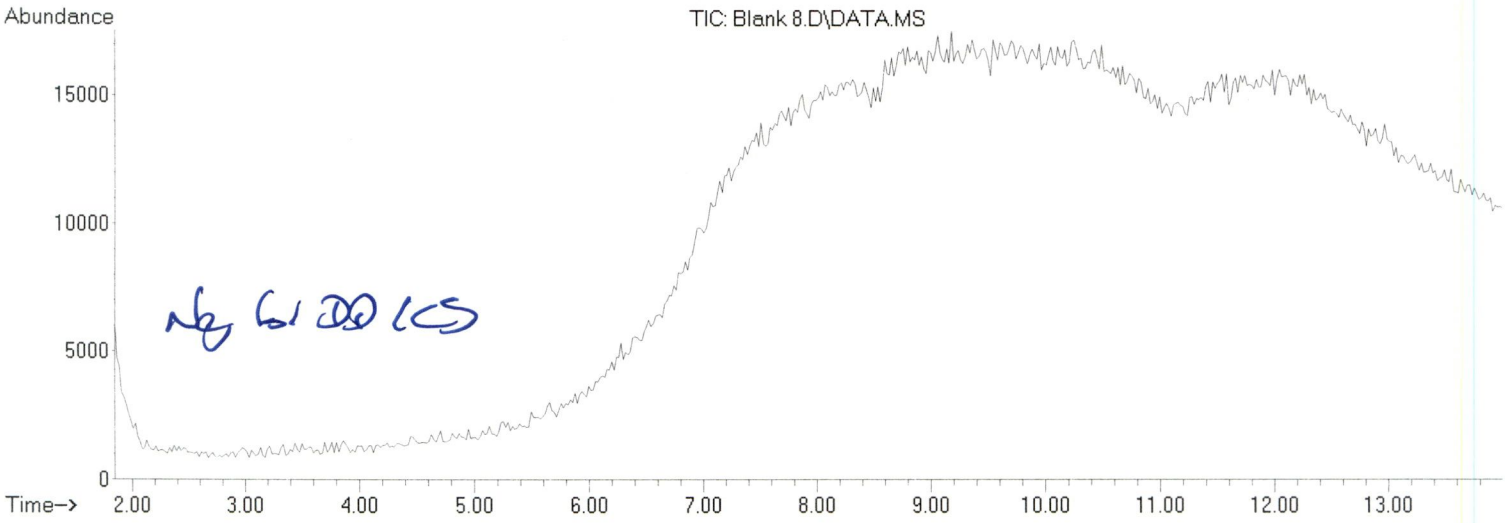




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 8.D
Operator : SD GCMS 1
Acquired : 7 May 2024 3:23 am using AcqMethod BCCL GENDRUG METHOD M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

MAY 07 2024

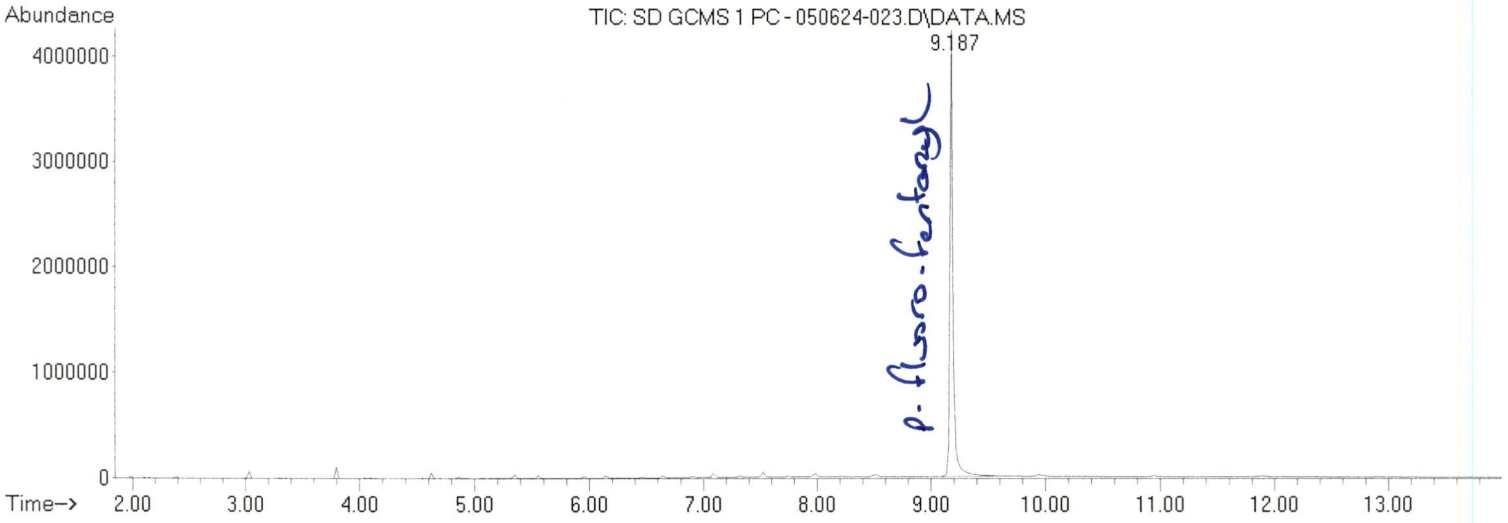


Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-023.D
Operator : SD GCMS 1
Acquired : 7 May 2024 3:41 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: p-fluoro-Fentanyl (S-22-062) 000002249
Misc Info : RT determination
Vial Number: 22

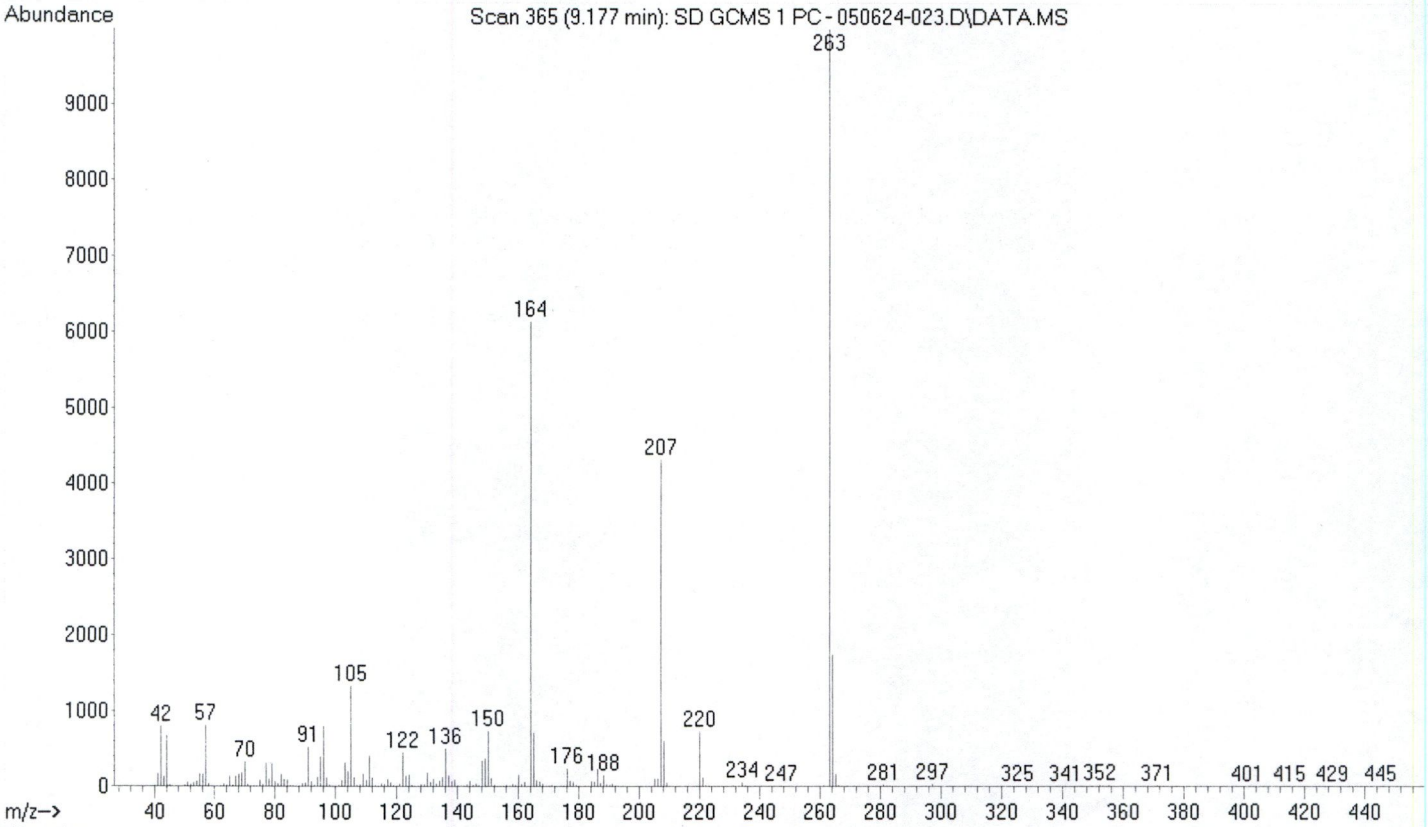
MAY 07 2024

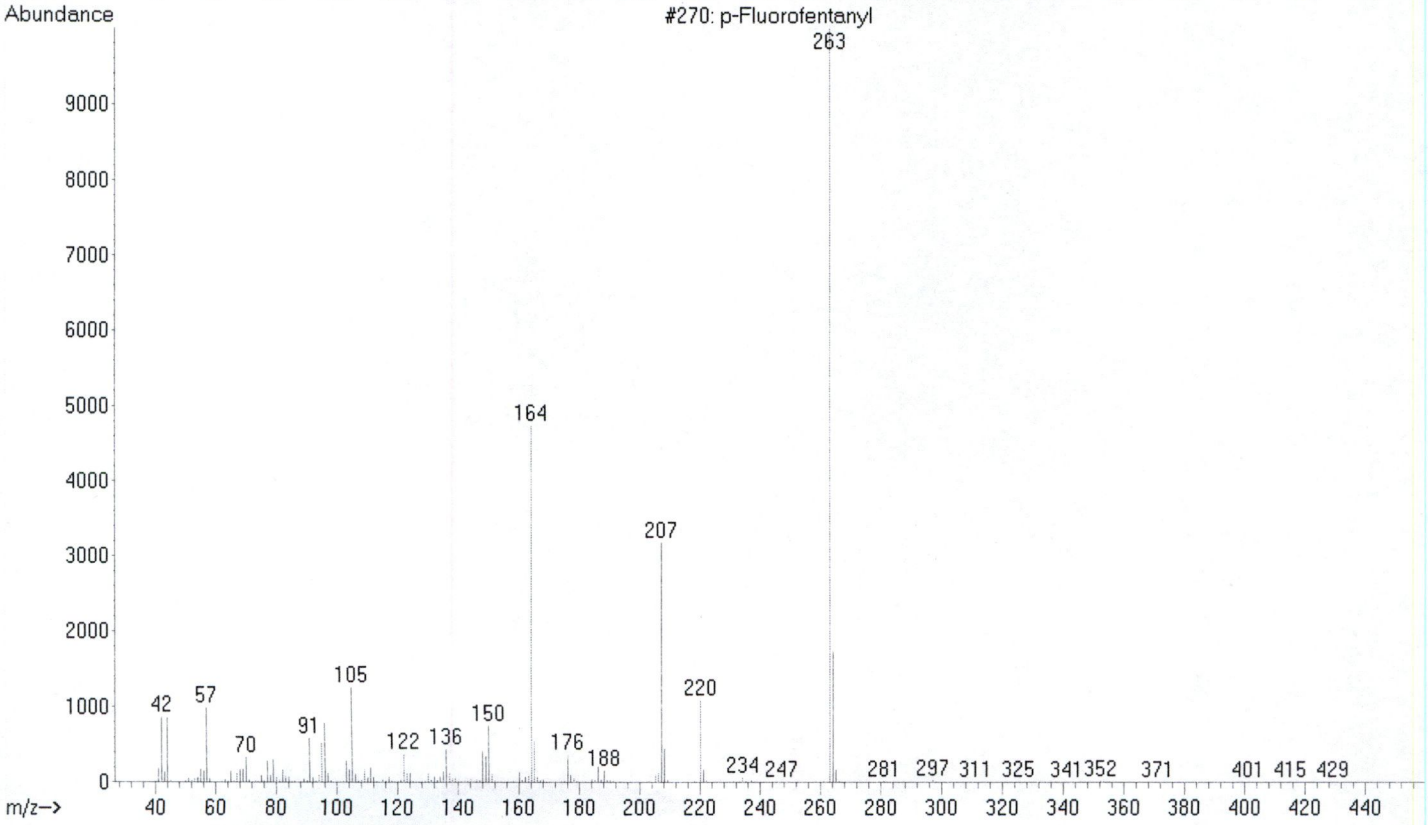


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
9.187	76959823	100.000	100.000

File : D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-023.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 3:41 am using AcqMethod BCCL.M
Sample Name: p-fluoro-Fentanyl (S-22-062) 000002249
Misc Info : RT determination

MAY 07 2024

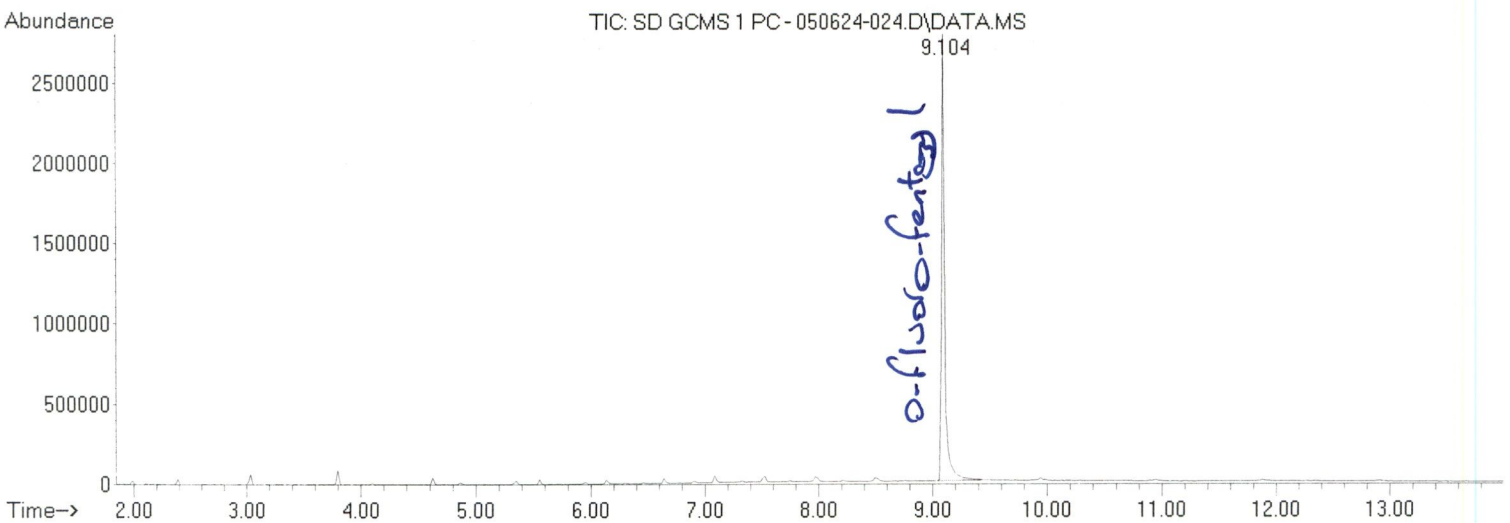




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-024.D
Operator : SD GCMS 1
Acquired : 7 May 2024 3:58 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: o-fluoro-Fentanyl (S-22-063) 000002250
Misc Info : RT determination
Vial Number: 23

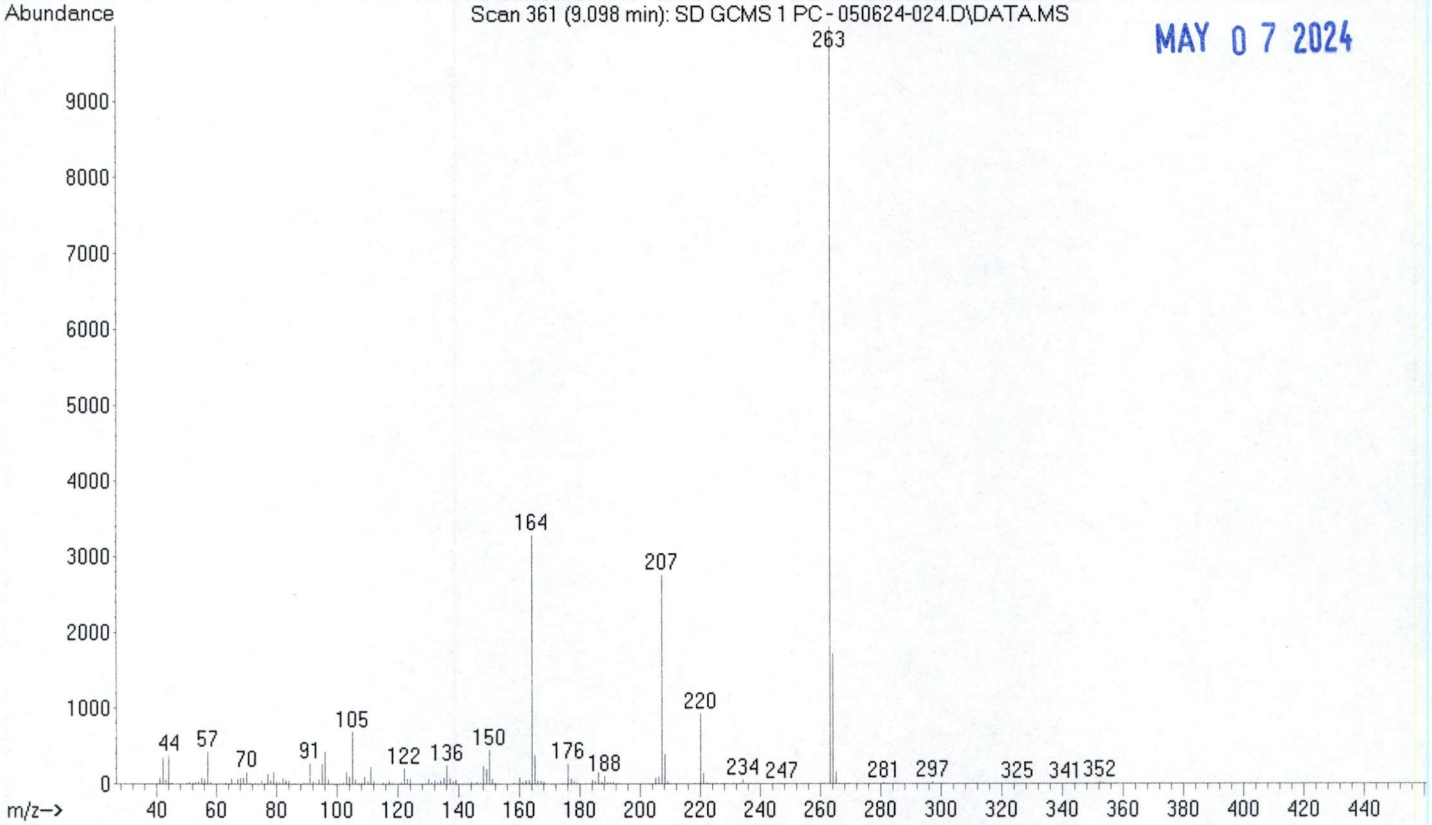
MAY 07 2024

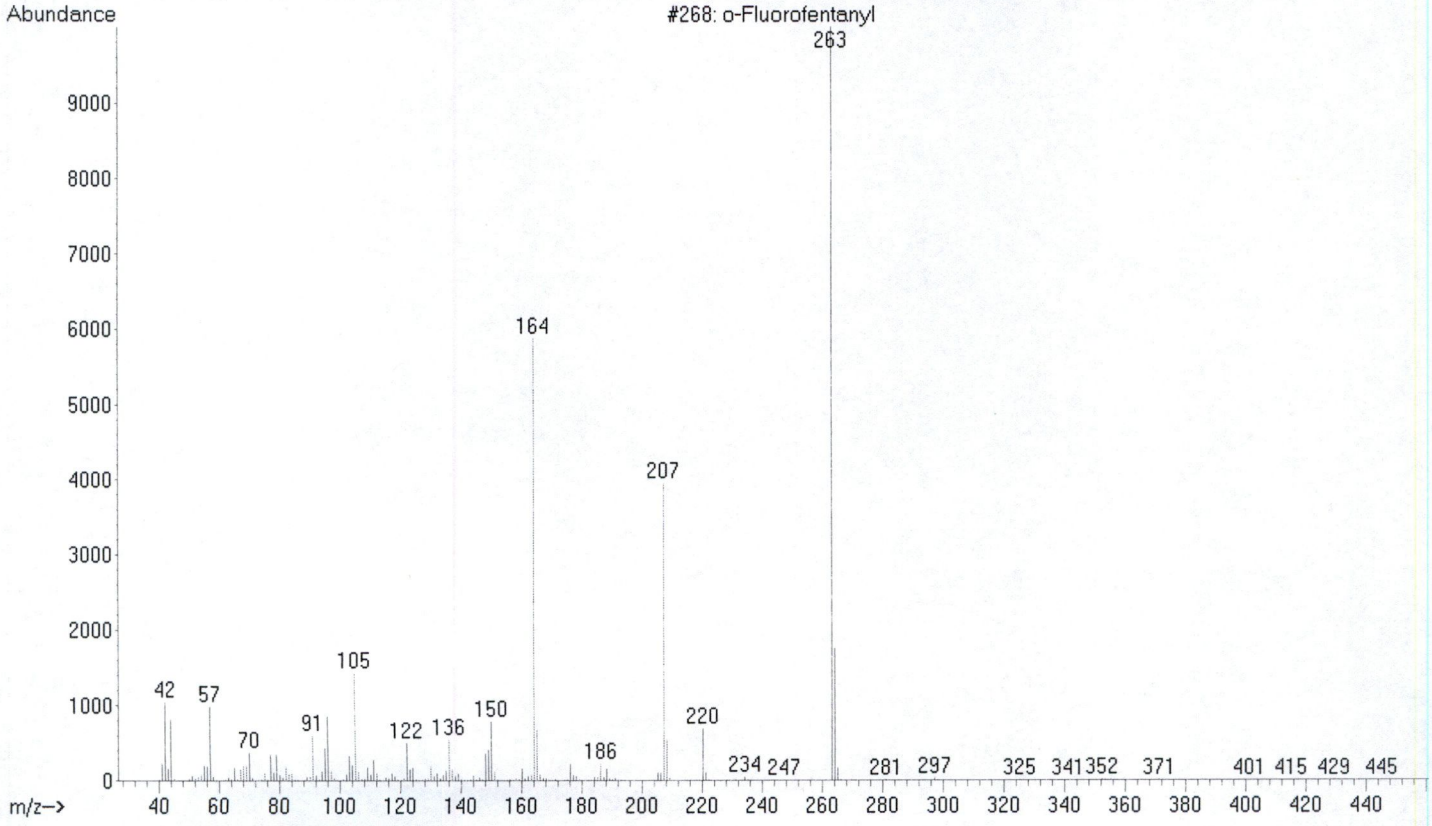


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
9.104	54829090	100.000	100.000

```
File        :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...          ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-024.D
Operator    : SD GCMS 1
Instrument :    SD GCMS #1
Acquired    : 7 May 2024    3:58 am using AcqMethod BCCL.M
Sample Name : p-fluoro-Fentanyl (S-22-063)                    000002250
Misc Info   : RT determination
```

MAY 0 7 2024

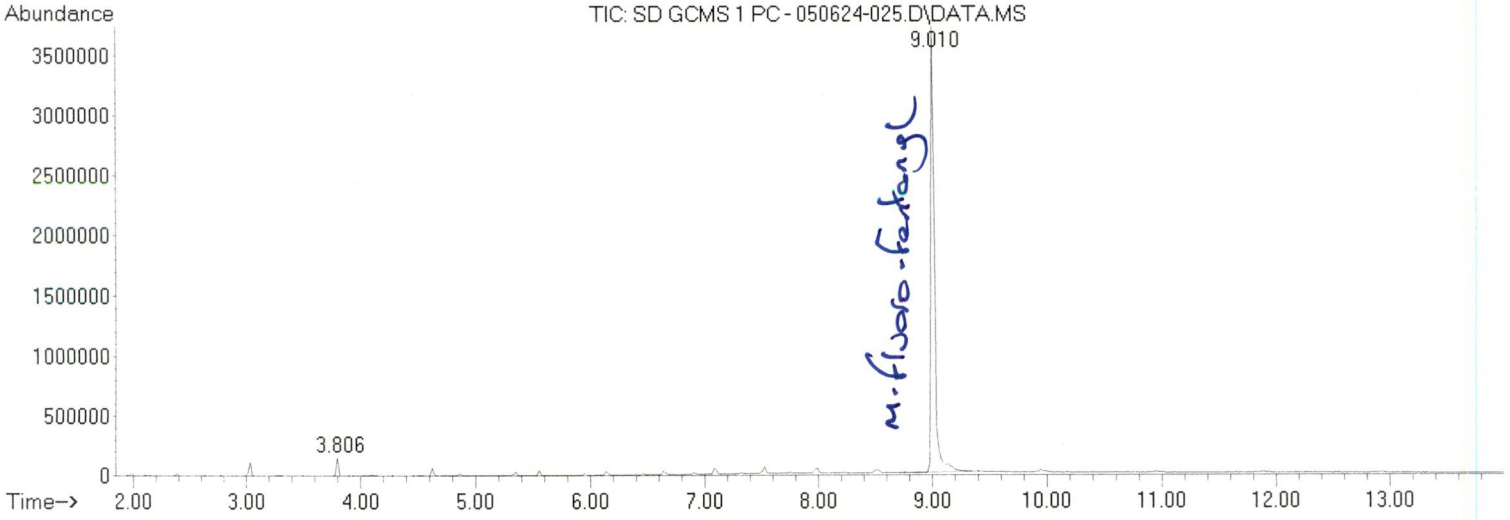




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-025.D
Operator : SD GCMS 1
Acquired : 7 May 2024 4:16 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: m-fluoro-Fentanyl (S-22-065) - EXPIRED 000002251
Misc Info : RT determination
Vial Number: 24

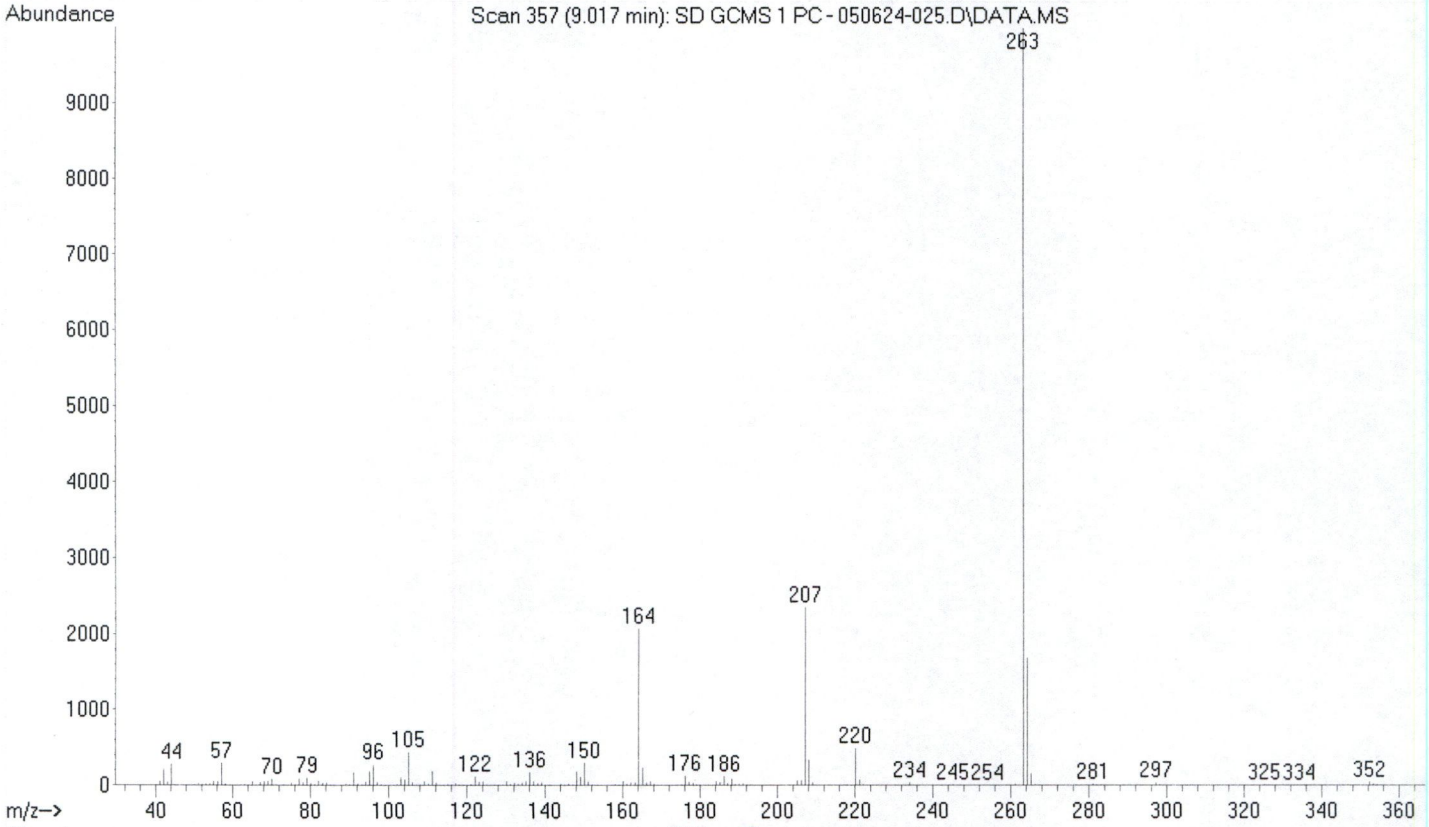
MAY 07 2024

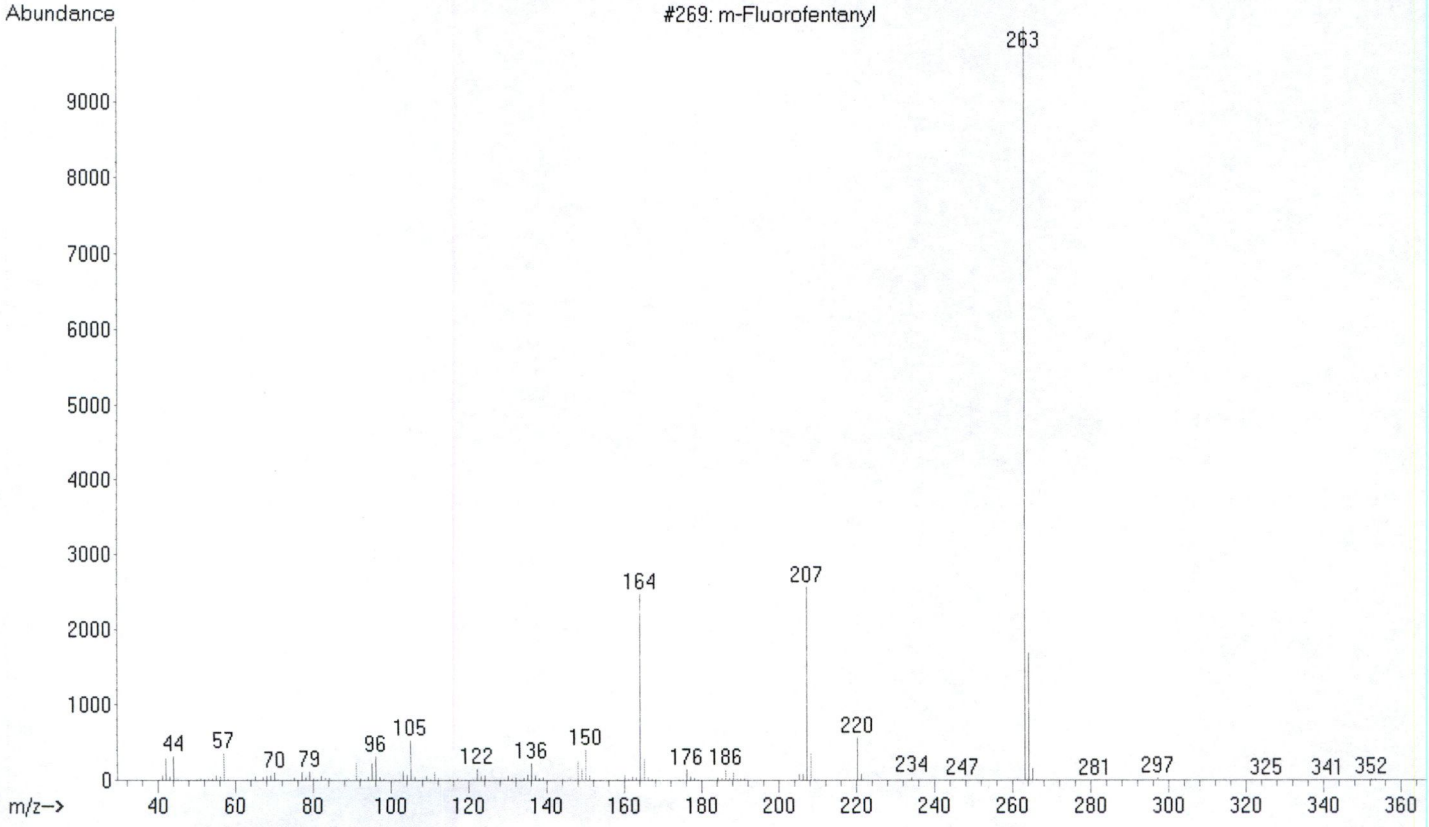


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
3.806	1957599	2.194	2.243
9.010	87258289	97.806	100.000

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-025.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  7 May 2024   4:16 am using AcqMethod BCCL.M
Sample Name: m-fluoro-Fentanyl (S-22-065) - EXPIRED          000002251
Misc Info  : RT determination
```

MAY 07 2024

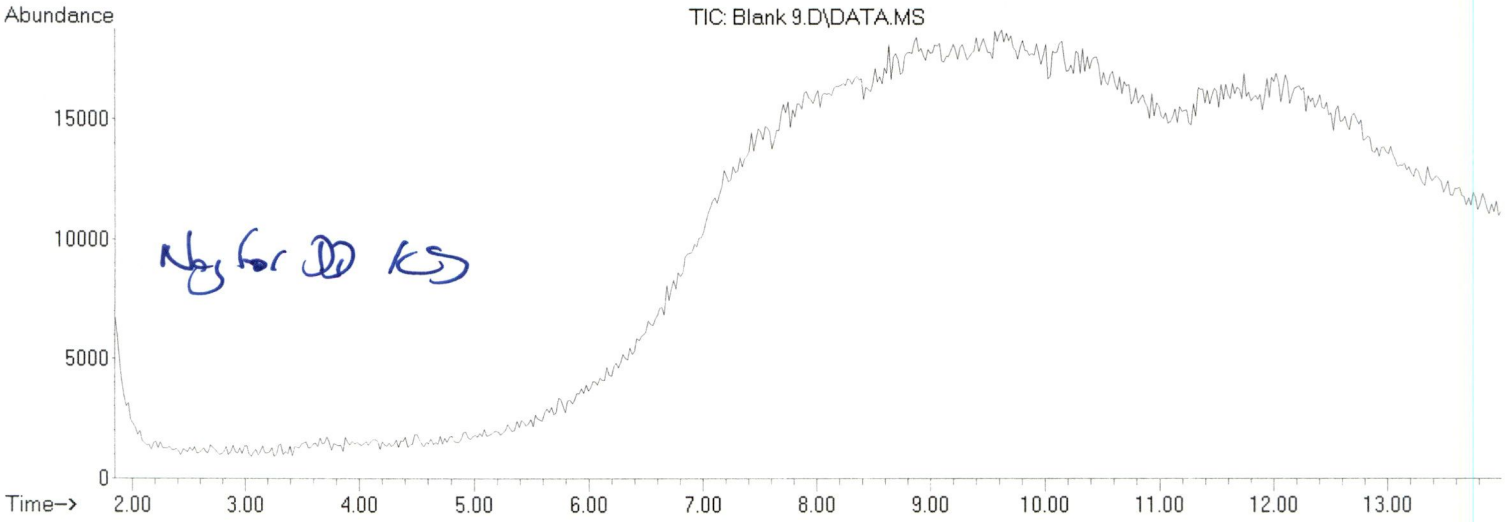




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 9.D
Operator : SD GCMS 1
Acquired : 7 May 2024 4:34 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

MAY 07 2024

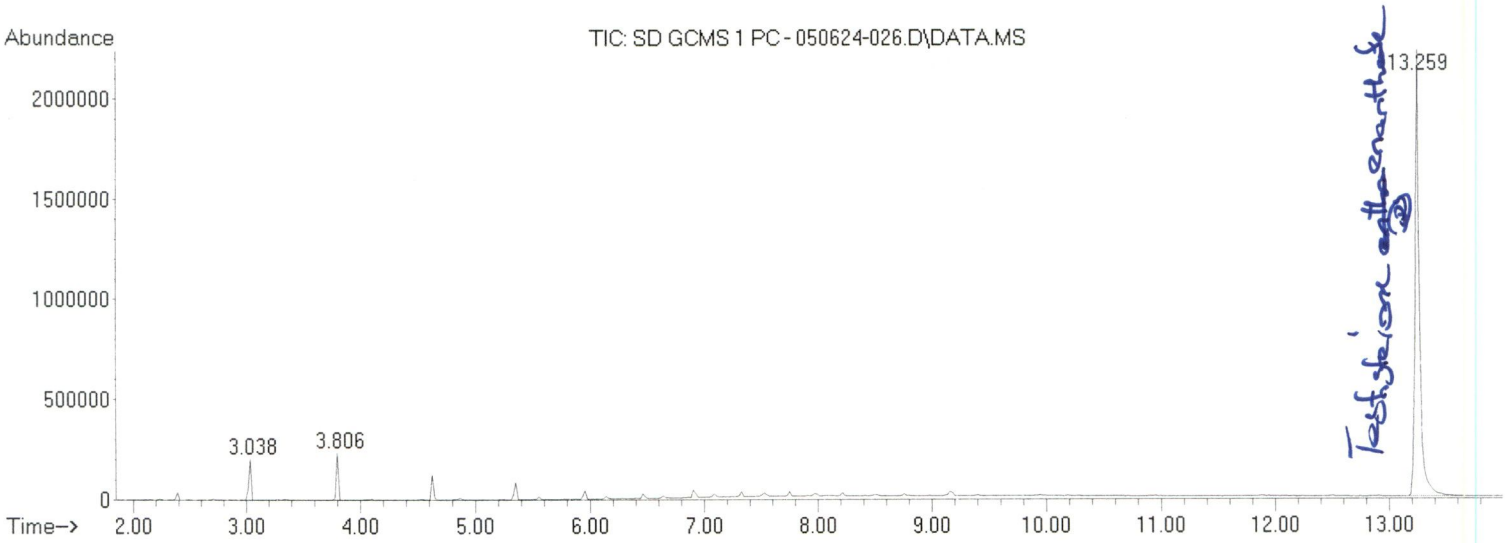


Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-026.D
Operator : SD GCMS 1
Acquired : 7 May 2024 4:52 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Testosterone enanthate (R-18-041) 000002268
Misc Info : RT determination
Vial Number: 25

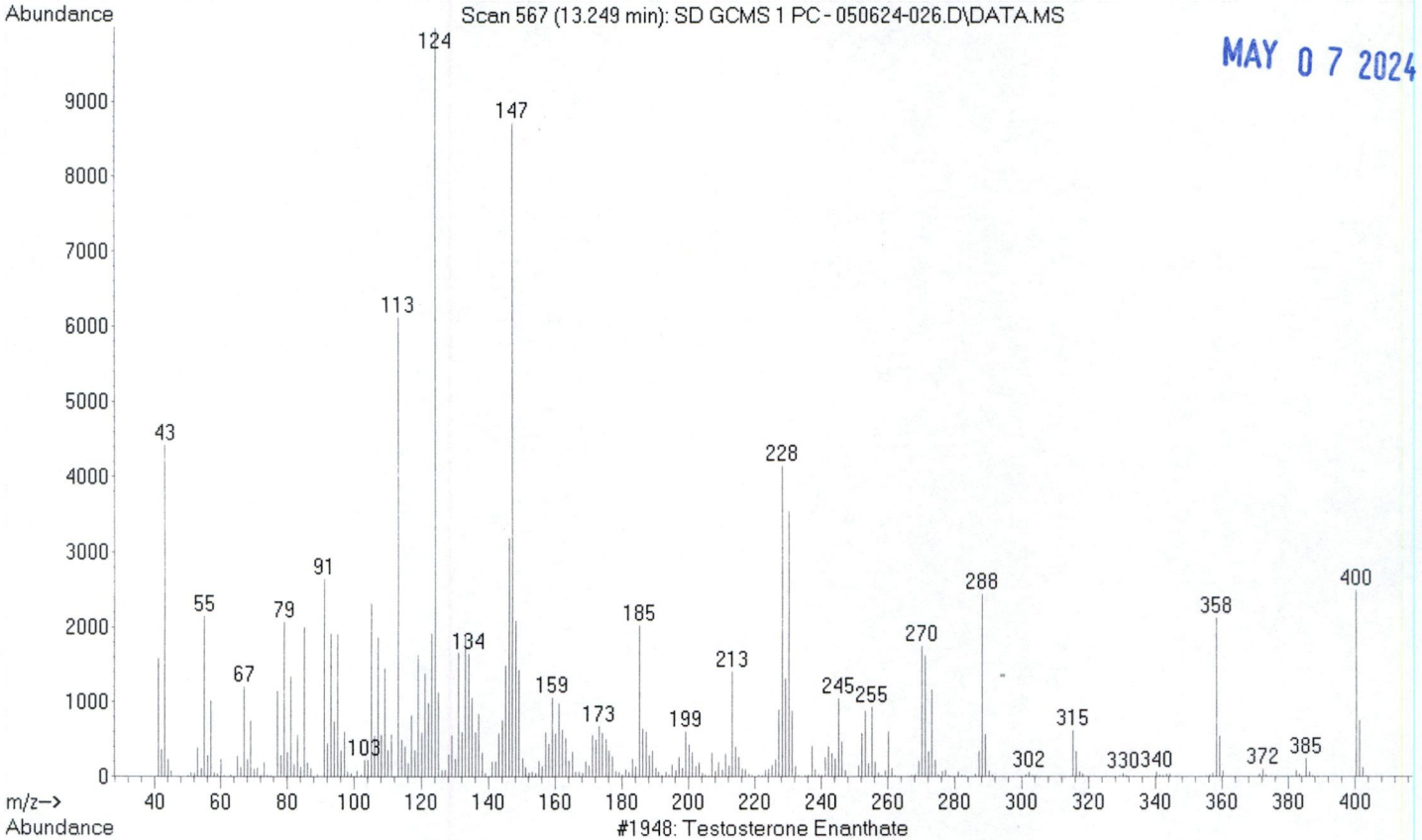
MAY 07 2024

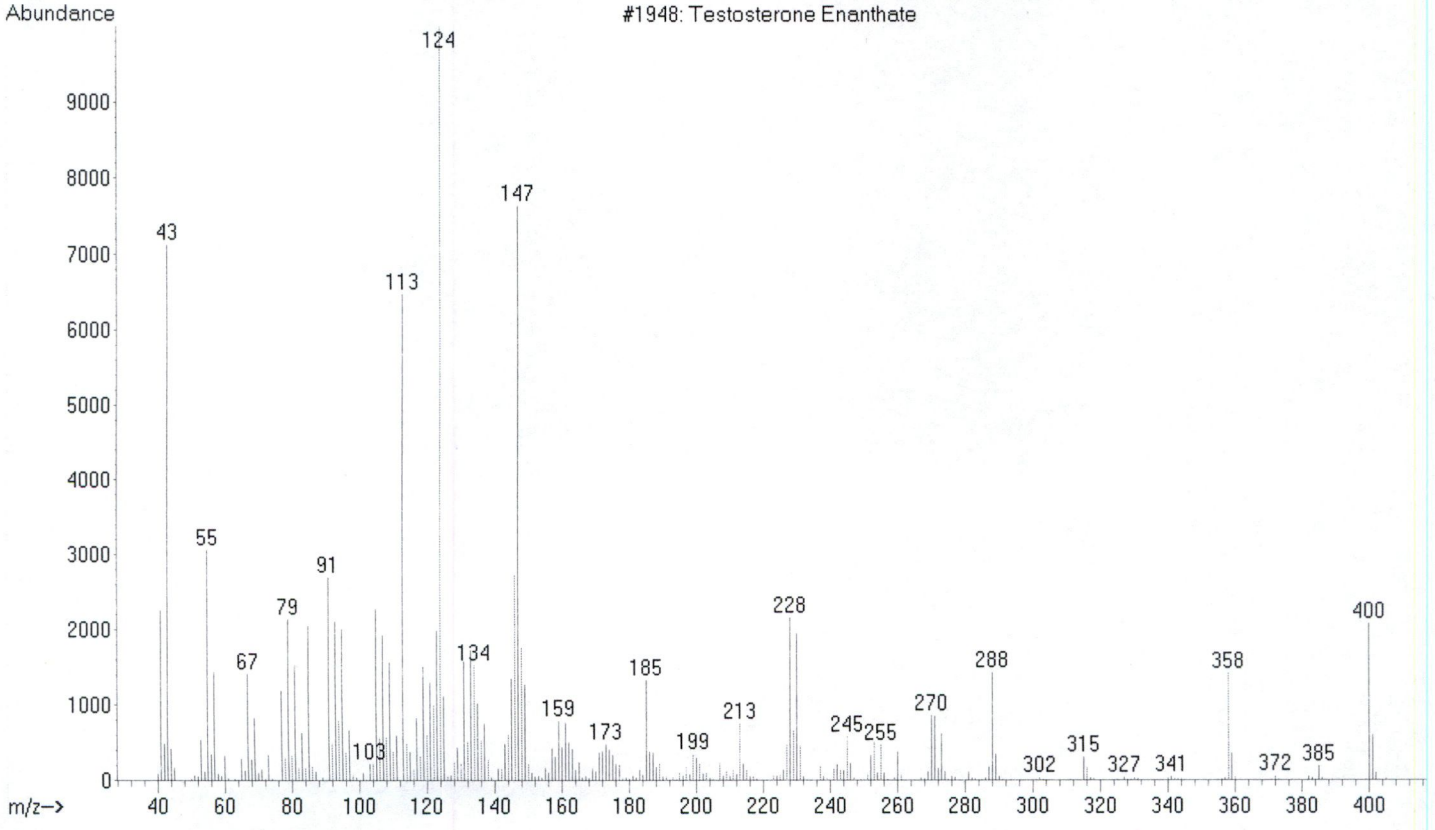


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
3.038	3012945	4.661	5.129
3.806	2891441	4.473	4.922
13.259	58740738	90.866	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-026.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 4:52 am using AcqMethod BCCL.M
Sample Name: Testosterone enanthate (R-18-041) 000002268
Misc Info : RT determination

MAY 07 2024



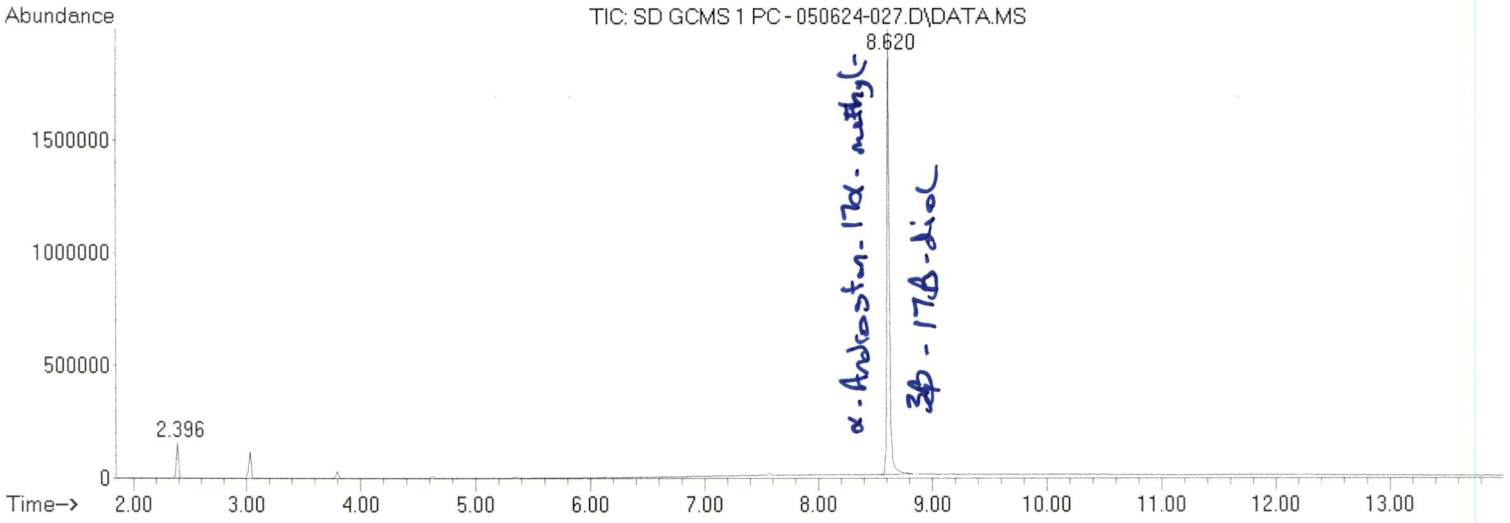


DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-027.D
Operator : SD GCMS 1
Acquired : 7 May 2024 5:09 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: a-Androstan-17a-methyl-3B-17B-diol (S-23-002) 000002789
Misc Info : RT determination
Vial Number: 26

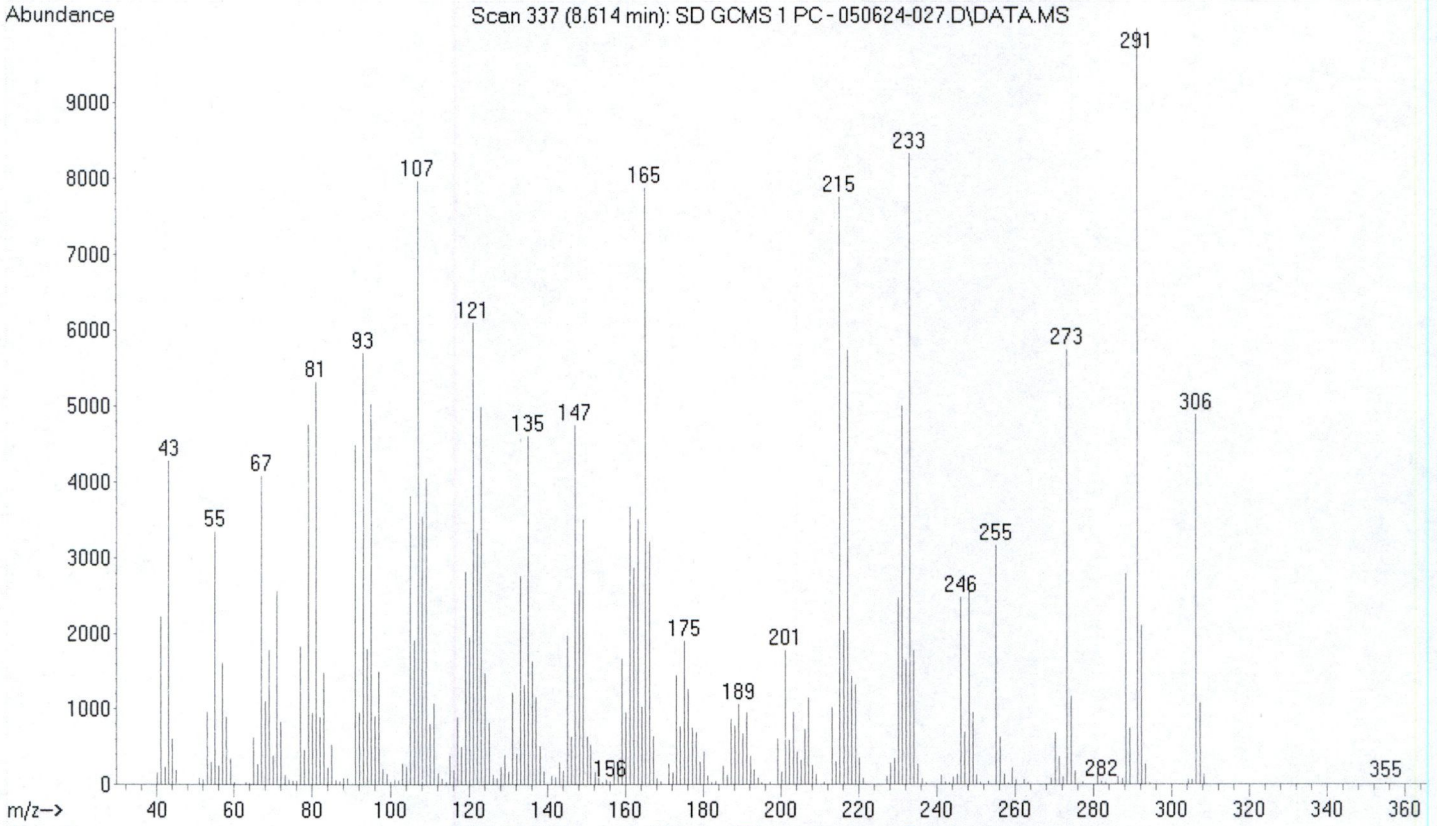
MAY 07 2024

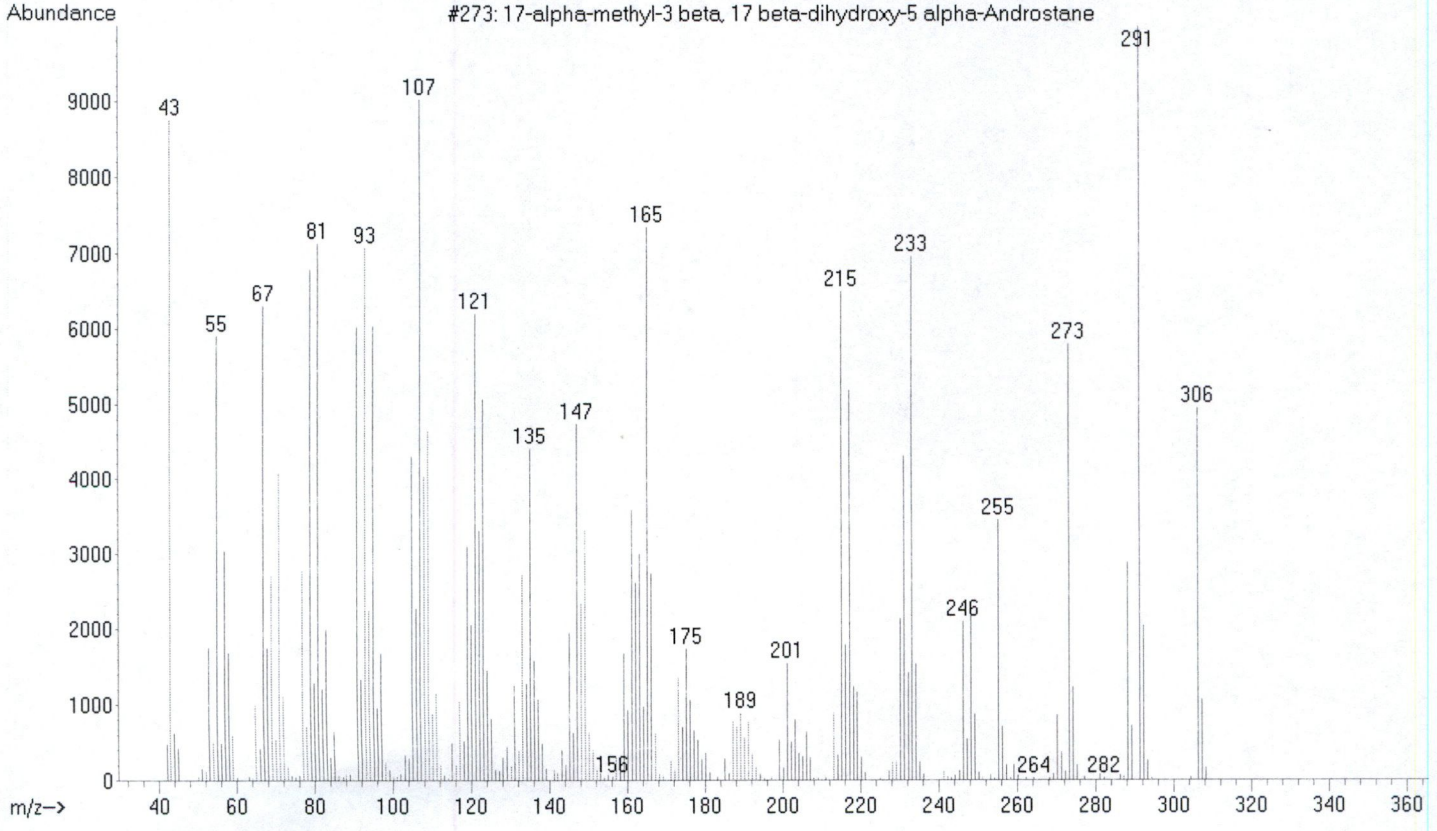


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
2.396	2036695	6.376	6.811
8.620	29904038	93.624	100.000

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-027.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  7 May 2024   5:09 am using AcqMethod BCCL.M
Sample Name: a-Androstan-17a-methyl-3B-17B-diol (S-23-002)  000002789
Misc Info  : RT determination
```

MAY 0 7 2024





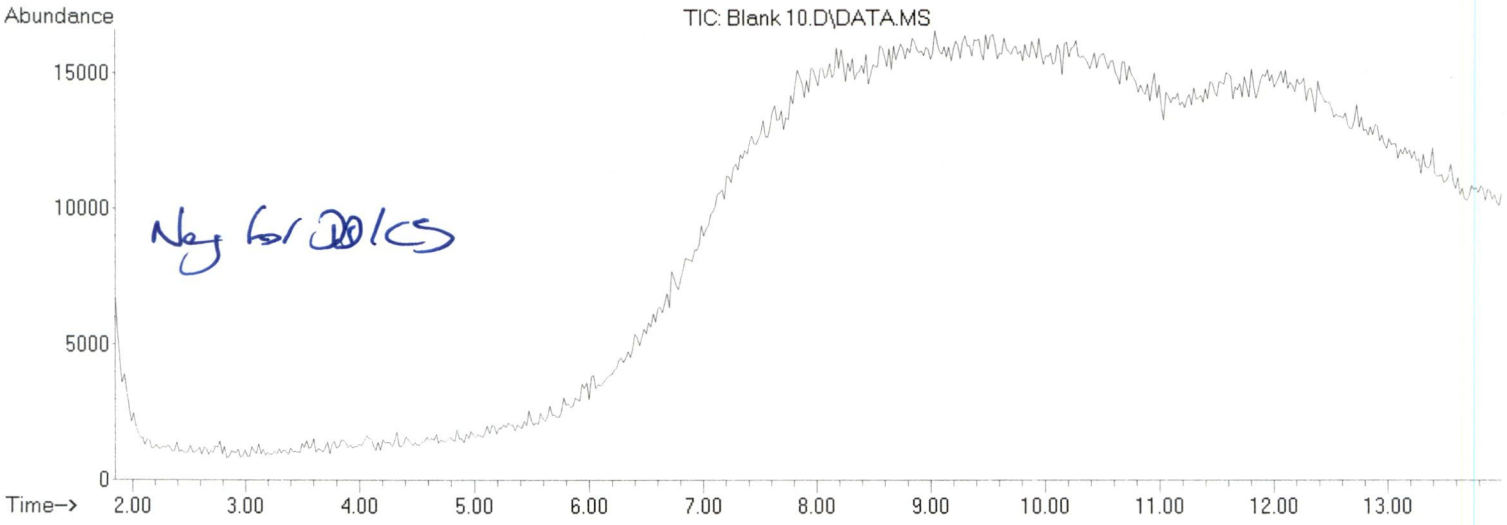
DS

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 10.D
Operator : SD GCMS 1
Acquired : 7 May 2024 5:27 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

25

MAY 07 2024



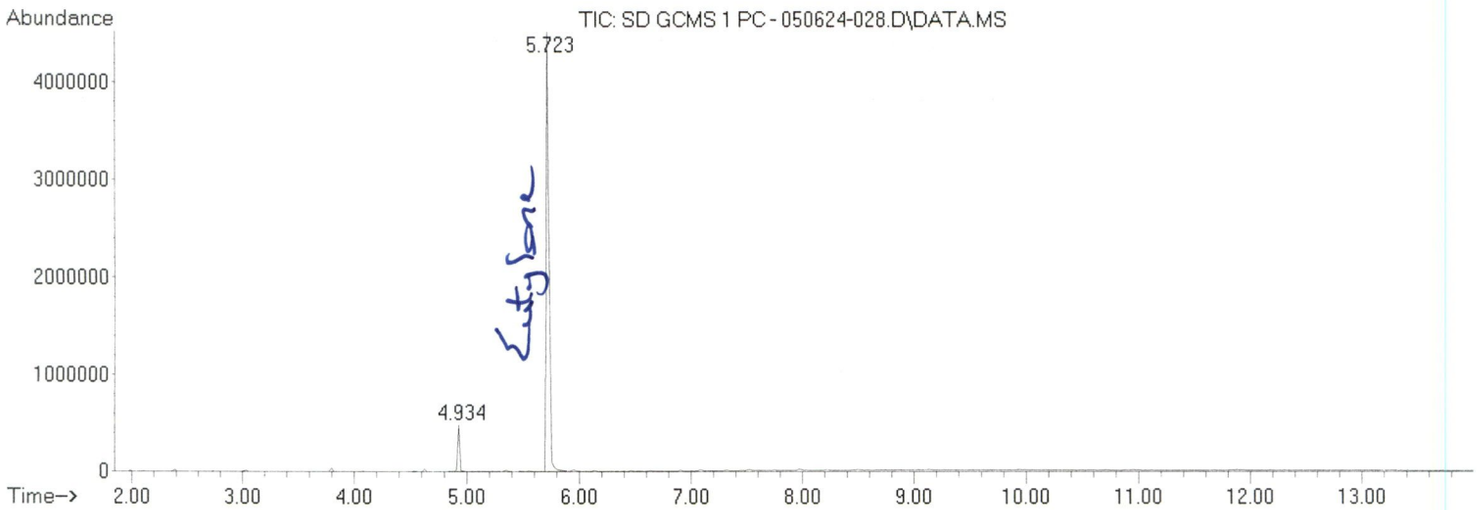
Neg for DDICS

Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-028.D
Operator : SD GCMS 1
Acquired : 7 May 2024 5:44 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Eutylone (S-22-011) 000001723
Misc Info : RT determination
Vial Number: 27

MAY 0 7 2024

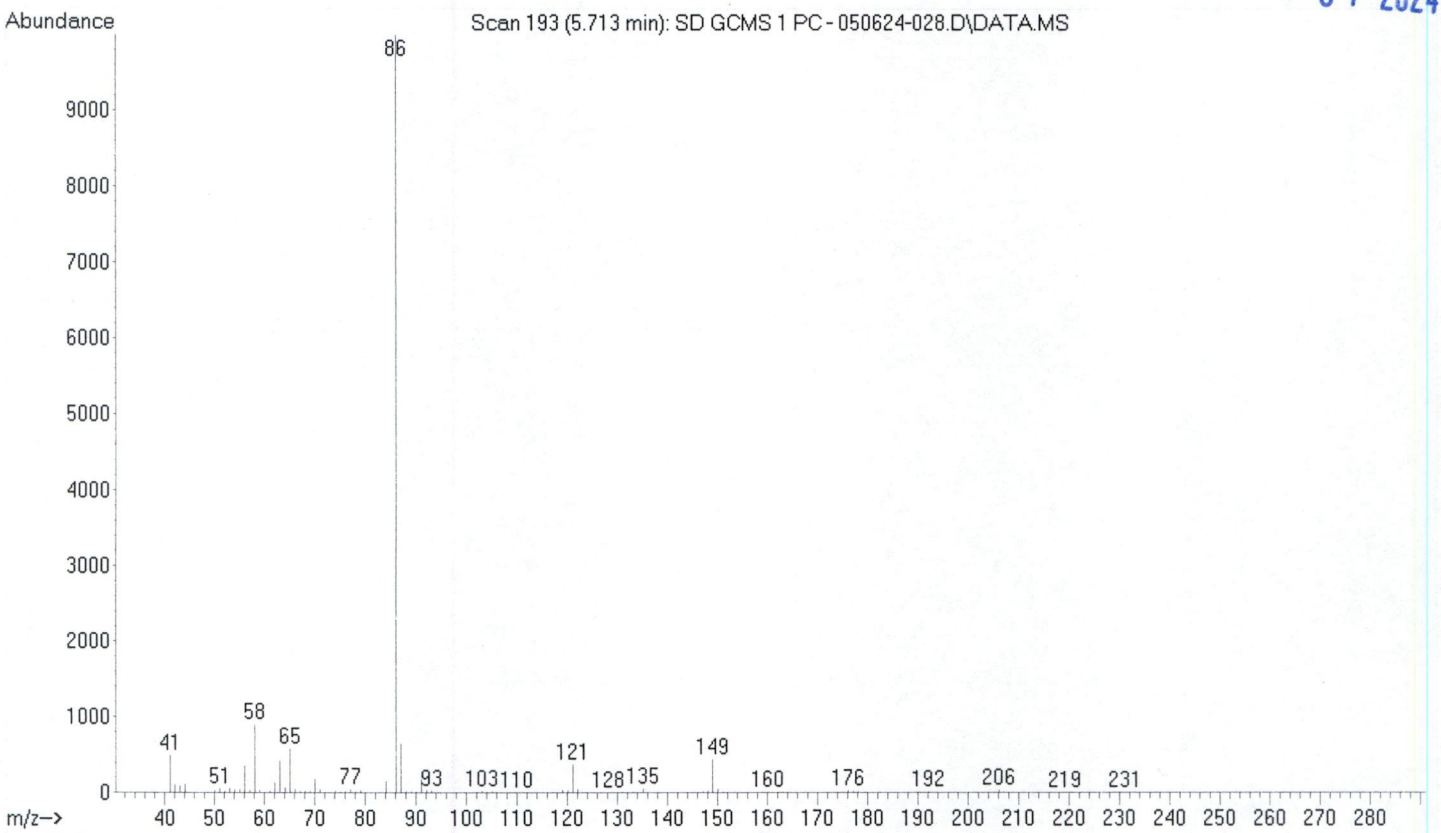


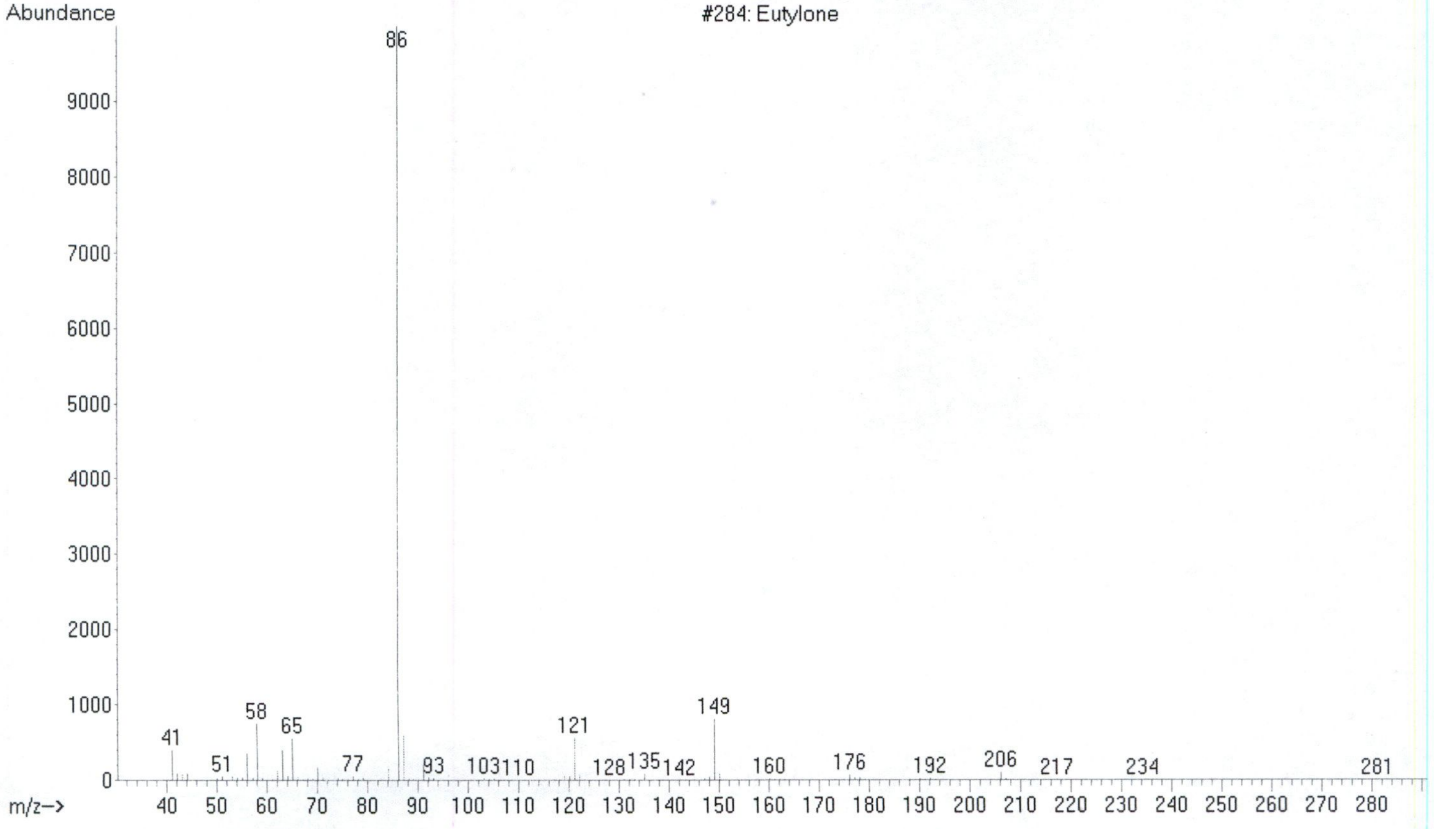
Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
4.934	6167723	7.573	8.193
5.723	75280794	92.427	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-028.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 5:44 am using AcqMethod BCCL.M
Sample Name: Eutylone (S-22-011) 000001723
Misc Info : RT determination

DS

MAY 07 2024



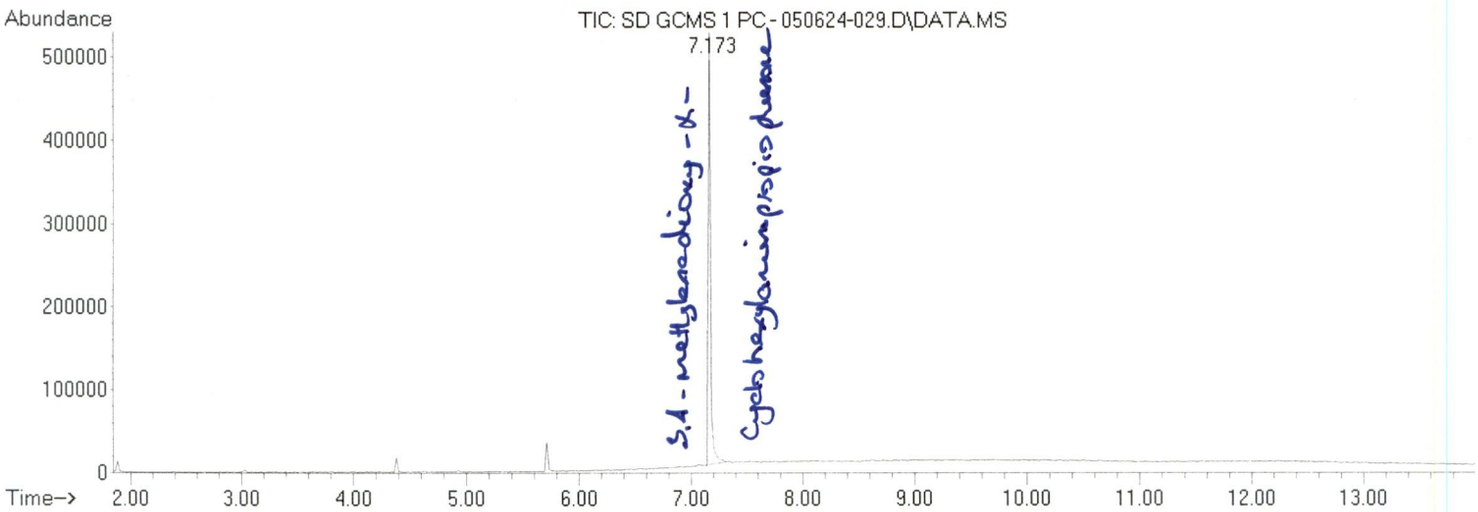


Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-029.D
Operator : SD GCMS 1
Acquired : 7 May 2024 6:02 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: 3,4-Methylenedioxy-a-cyclohexylaminopropiophe 000002086 ✓
Misc Info : RT determination
Vial Number: 28

(R.M-054) DS

MAY 07 2024

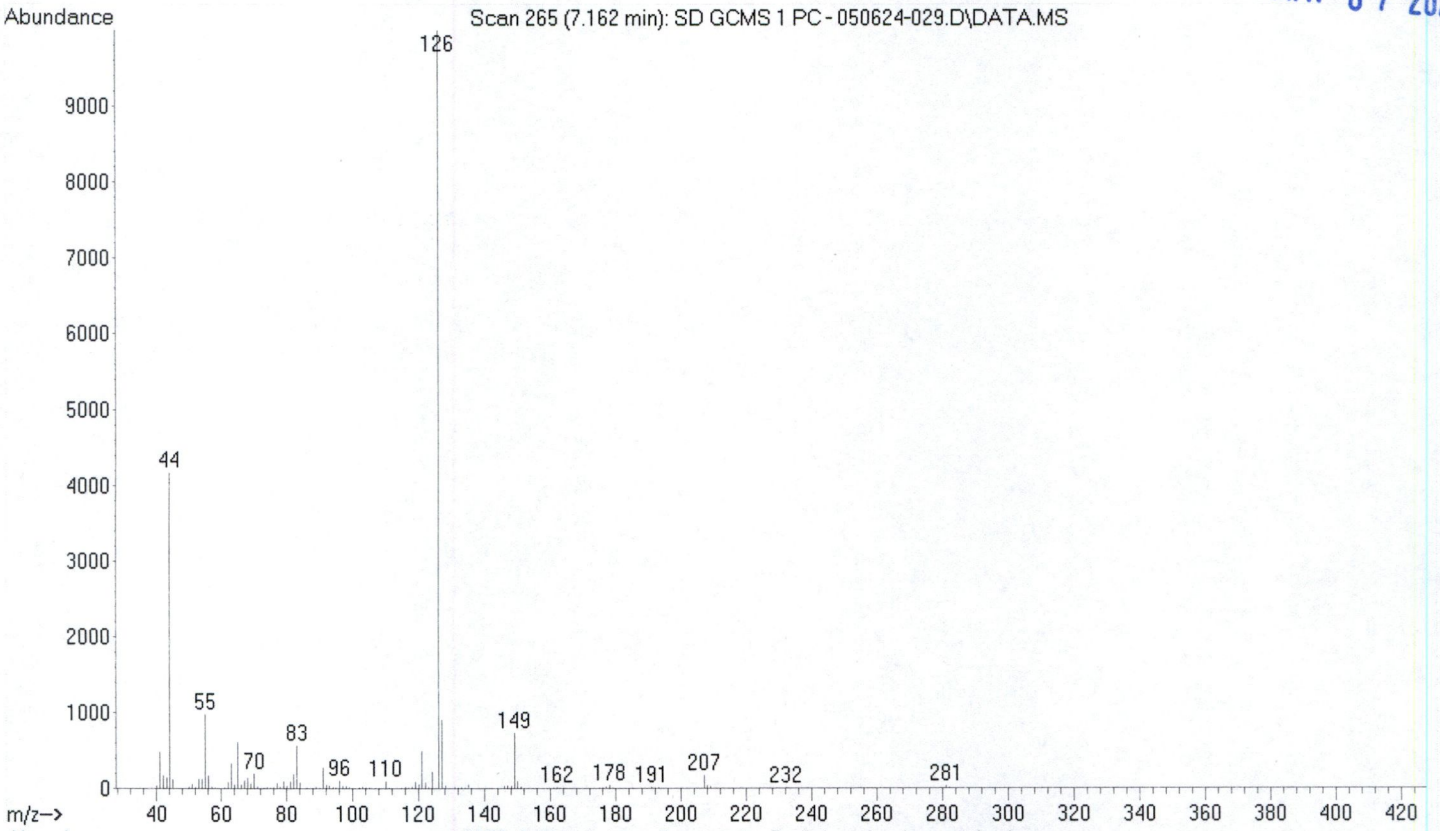


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
7.173	7477961	100.000	100.000

```
File       :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...         ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-029.D
Operator   : SD GCMS 1
Instrument :   SD GCMS #1
Acquired   :  7 May 2024   6:02 am using AcqMethod BCCL.M
Sample Name: 3,4-Methylenedioxy-a-cyclohexylaminopropiophe  000002086
Misc Info  : RT determination
```

(R-22-054)

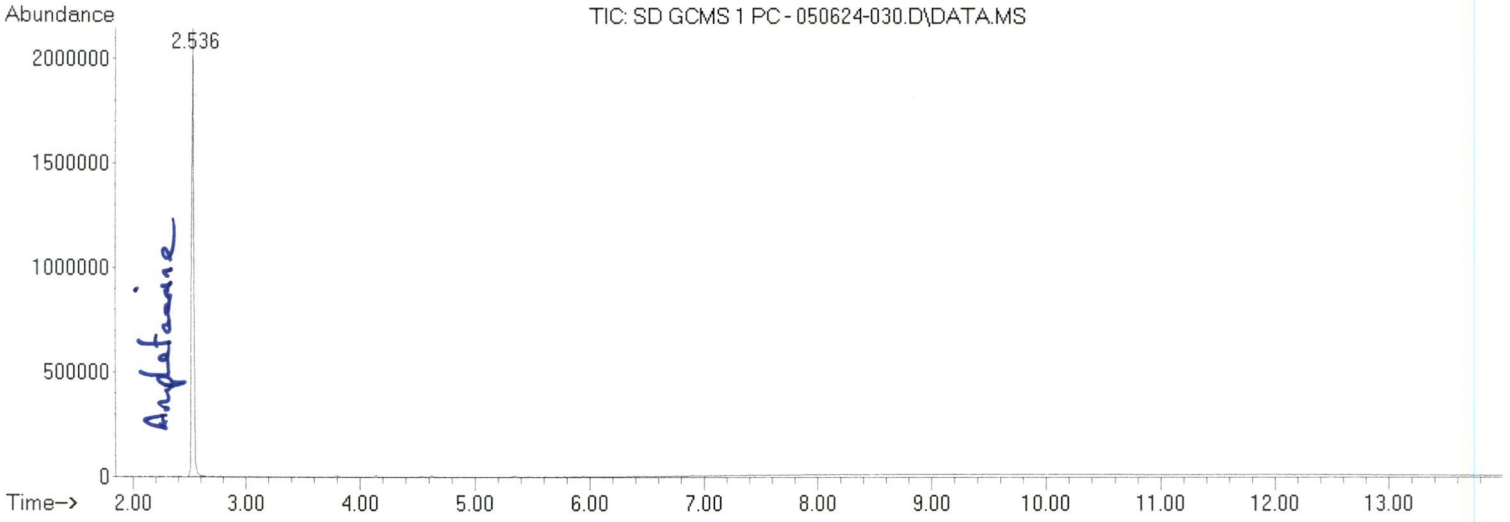
MAY 07 2024



Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\SD GCMS 1 PC - 050624-030.D
Operator : SD GCMS 1
Acquired : 7 May 2024 6:19 am using AcqMethod BCCL GENDRUG METHOD M
Sample Name: Amphetamine (S-21-013) - EXPIRED 000001402
Misc Info : RT determination
Vial Number: 29

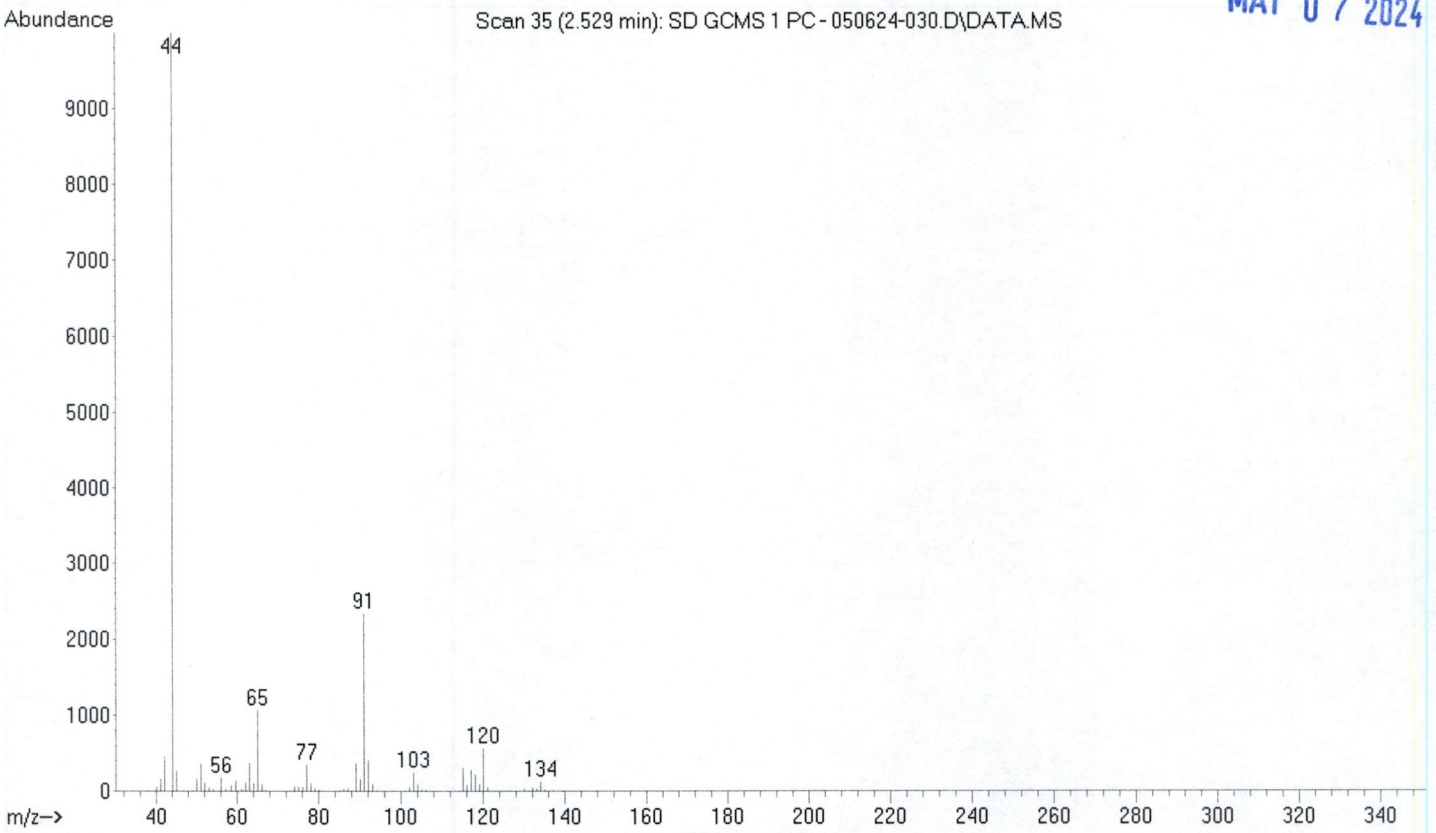
MAY 07 2024

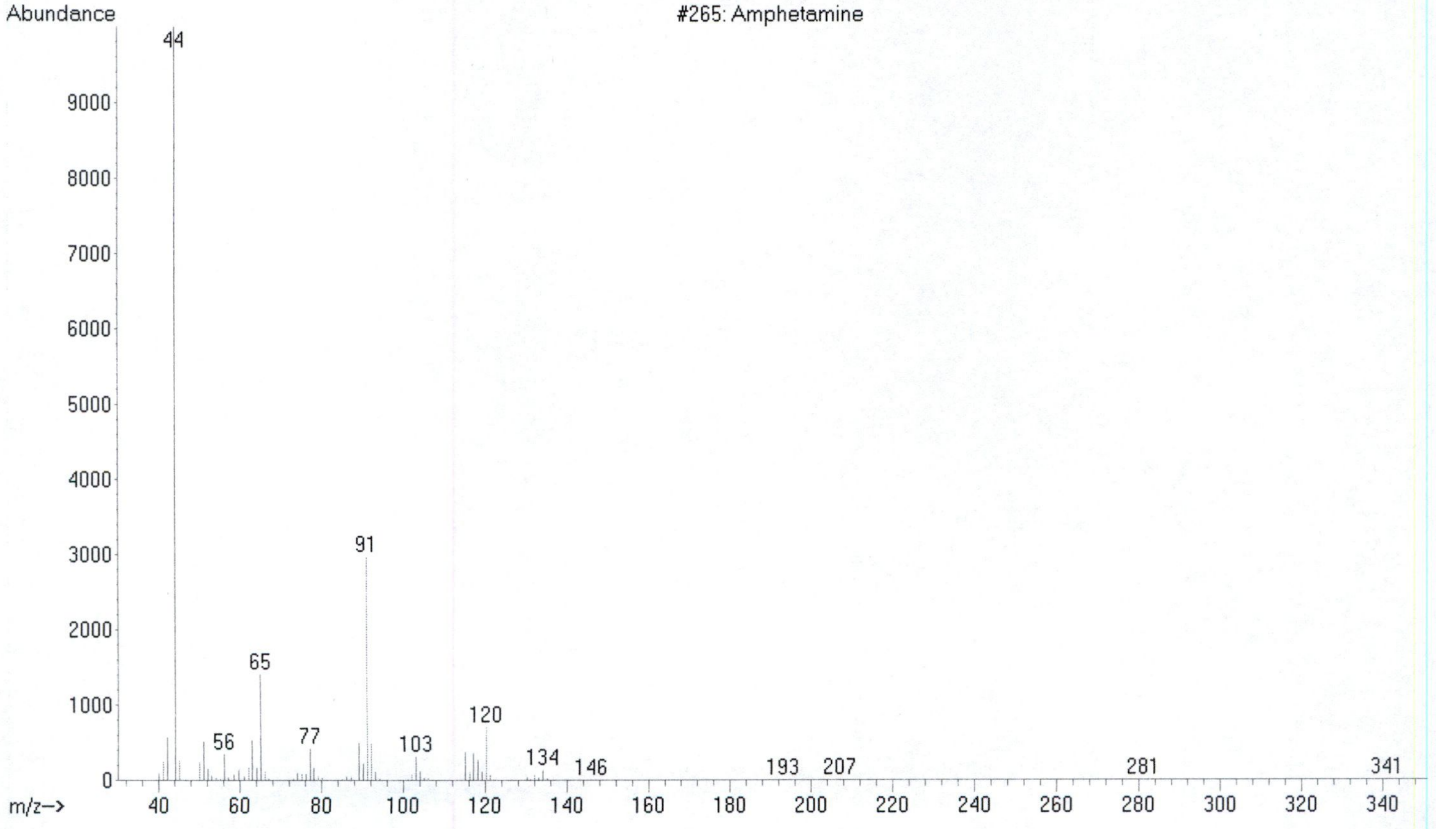


Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
2.536	27499828	100.000	100.000

File :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
... ication\050624\06May24A.04p\SD GCMS 1 PC - 050624-030.D
Operator : SD GCMS 1
Instrument : SD GCMS #1
Acquired : 7 May 2024 6:19 am using AcqMethod BCCL.M
Sample Name: Amphetamine (S-21-013) - EXPIRED 000001402
Misc Info : RT determination

MAY 0 7 2024

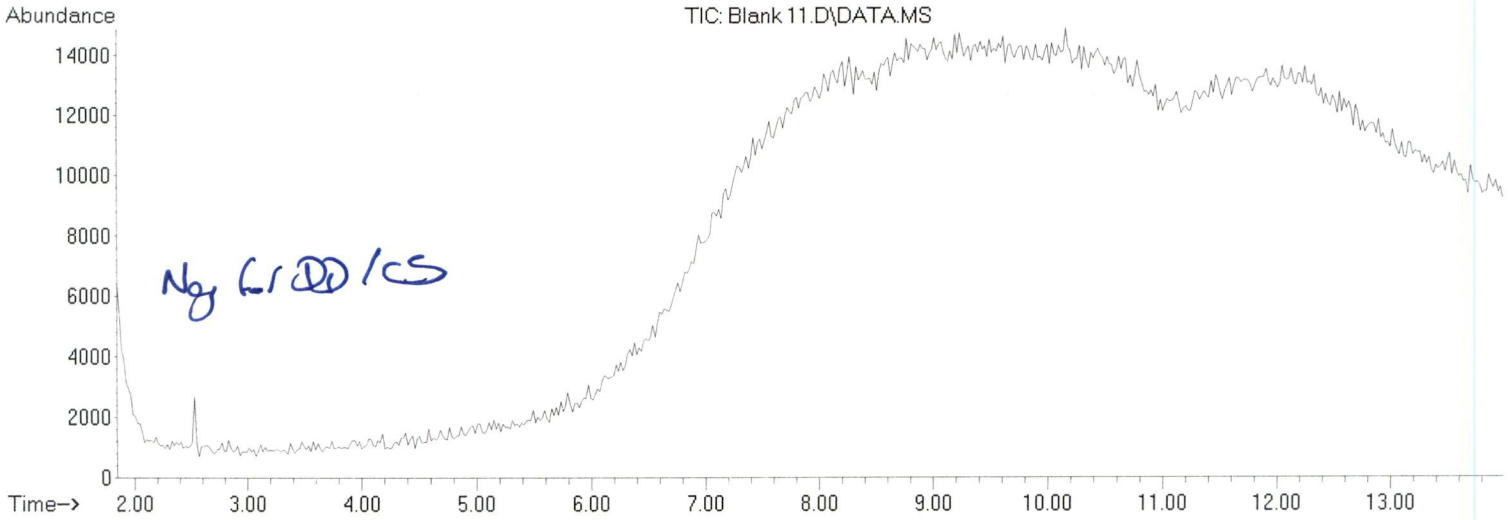




Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\06MAY24A.04P\Blank 11.D
Operator : SD GCMS 1
Acquired : 7 May 2024 6:37 am using AcqMethod BCCL GENDRUG METHOD.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

MAY 07 2024



Retention Time	Area	Area %	Ratio %

DS

MAY 07 2024

Sequence.Log

Starting Batch Tue May 07 08:19:43 2024

VERIFICATION of C:\MSDCHEM\1\SEQUENCE\SPECIAL SEQUENCES\AGILENT 1 PERFORMANCE

No Cutoff or Calibrator found to be run with BCCL GENDRUG METHOD.M
Continuing with NO Calibration Table!
No Cutoff or Calibrator found to be run with DRUGTEST50_20X.M
Continuing with NO Calibration Table!
No Cutoff or Calibrator found to be run with DRUGTEST50-FHTI.M
Continuing with NO Calibration Table!
No Cutoff or Calibrator found to be run with HOT TEMP BLANK.M
Continuing with NO Calibration Table!

End of Verification : Tue May 07 08:19:50 2024

RESULT: Batch Sequence File OK.

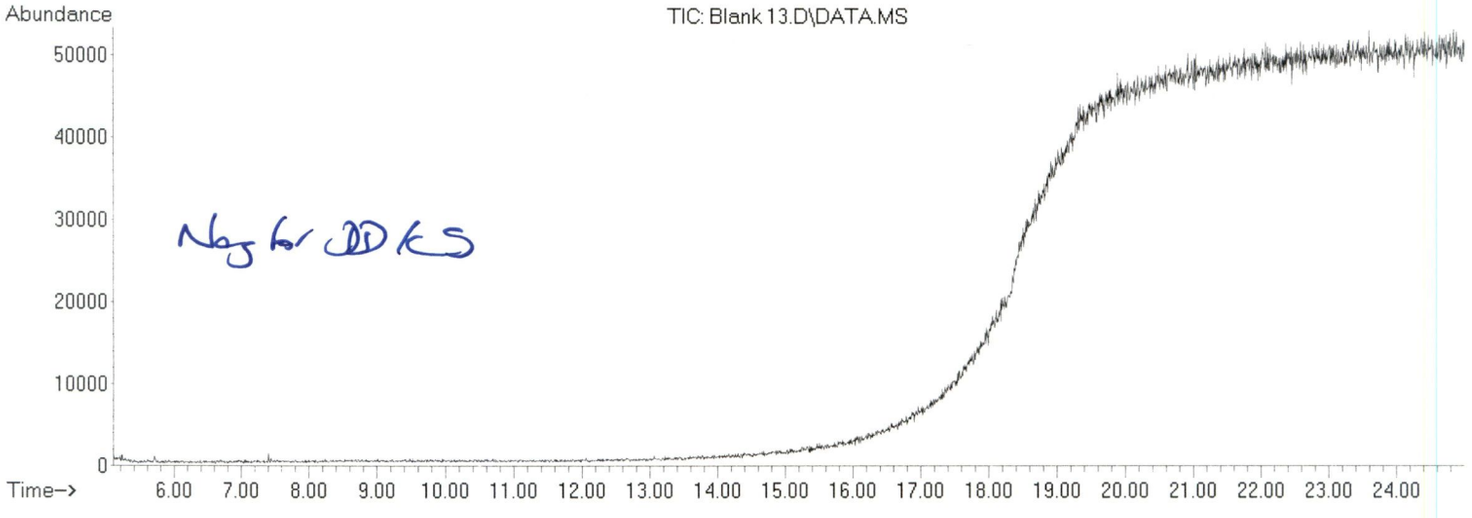
Batch Start Time: Tue May 07 08:19:51 2024
Pre-Batch File Name: C:\MSDCHEM\1\SEQUENCE\SPECIAL SEQUENCES\AGILENT 1 PERFORMANCE CHECK.S
Instrument Name: SD GCMS #1
Comment:
Operator: SD GCMS 1
Batch Data Path: D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERIFICATION\050624\07MAY24A.08A\

Line	Type	Vial	DataFile	Method	Sample Name
	No Calibration History found for C:\MSDCHEM\1\METHODS\HOT TEMP BLANK.M				
42)	Blank	30	Blank (C-22-0046B) - PRE-CONDITIONING RUN		
	Datafile		BLANK 12		
	Method		HOT TEMP BLANK		
	No Calibration History found for C:\MSDCHEM\1\METHODS\DRUGTEST50_20X.M				
43)	Blank	30	Blank (C-22-0046B) - PRE-CONDITIONING RUN		
	Datafile		BLANK 13		
	Method		DRUGTEST50_20X		
44)	Specimen	17	Buprenorphine (S-22-008)		
	Datafile		SD GCMS 1 PC - 050624-031		
	Method		DRUGTEST50_20X		

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\07MAY24A.08A\Blank 13.D
Operator : SD GCMS 1
Acquired : 7 May 2024 8:33 am using AcqMethod DRUGTEST50_20X.M
Sample Name: Blank (C-22-0046B) - PRE-CONDITIONING RUN 000002631
Misc Info : EtAc BLANK
Vial Number: 30

MAY 07 2024

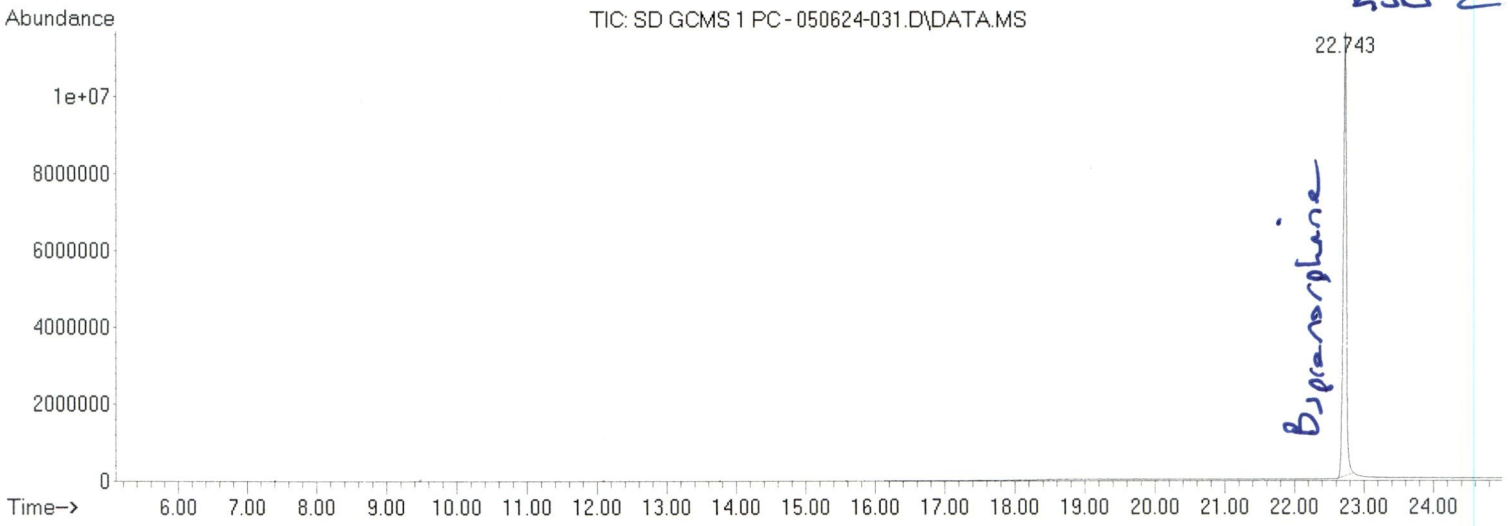


Retention Time	Area	Area %	Ratio %

Area Percent Report -- Sorted by Signal

Information from Data File:
File :D:\GCMS1DATA\STDS AND CHEMICAL VERIFICATION\PERFORMANCE VERI
... ICATION\050624\07MAY24A.08A\SD GCMS 1 PC - 050624-031.D
Operator : SD GCMS 1
Acquired : 7 May 2024 9:03 am using AcqMethod DRUGTEST50_20X.M
Sample Name: Buprenorphine (S-22-008) 000005957
Misc Info : RT determination
Vial Number: 17

MAY 07 2024



Retention Time	Area	Area %	Ratio %
Total Ion Chromatogram			
22.743	365615239	100.000	100.000

```
File        :D:\GCMS1Data\Stds and Chemical Verification\Performance veri
...          ication\050624\07May24A.08a\SD GCMS 1 PC - 050624-031.D
Operator    : SD GCMS 1
Instrument  :   SD GCMS #1
Acquired    :  7 May 2024   9:03 am using AcqMethod DRUGTEST.M
Sample Name: Buprenorphine (S-22-008)                    000005957
Misc Info   : RT determination
```

MAY 0 7 2024

