284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : SHARKEY LANDFILL SITE FYR REUSE MORRIS COUNTY NJ

WSP USA INC.

401 Route 73 North Suite 205

Marlton, NJ - 08053

Phone No: 856-793-2005

ORDER ID : Q3688

ATTENTION : Tricia Landes

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : Q3688

Project ID : Sharkey Landfill Site FYR Reuse Morris County NJ

Client : WSP USA Inc.

Lab Sample Number	Client Sample Number
Q3688-01	M-31S
Q3688-02	M-31SMS
Q3688-03	M-31SMSD
Q3688-04	RBGW-20251119
Q3688-05	TBGW-20251119
Q3688-06	M-32I VHBLK001
Q3688-07	M-31I
Q3688-09	M-32S
Q3688-10	RBGW-20251120
Q3688-11	M-30S
Q3688-12	M-30I
Q3688-13	TBGW-20251120
Q3688-14	FDGW-20251120
Q3688-15	WS-14
Q3688-16	M-29
Q3688-17	RBGW-20251121
Q3688-18	M-28I
Q3688-19	WS-1
Q3688-20	TBGW-20251121
Q3688-21	RBGW-20251124
Q3688-22	M-28S
Q3688-23	TBGW-20251124
Q3688-24	

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:53 pm, Dec 09, 2025

Date: 12/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3688
COC Number 2044519

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: WSP USA INC.
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: TRICIA LANDES
PHONE: 8562468331 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SHARKEY LF
PROJECT NO.: LOCATION: PARSIPPANY, NJ
PROJECT MANAGER: TRICIA LANDES
e-mail: patricia.landes@wsp.com
PHONE: 8562468331 FAX:

CLIENT BILLING INFORMATION

BILL TO: WSP USA INC. PO#:
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ :ZIP: 07960
ATTENTION: TRICIA LANDES PHONE: 856 2468331

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☑ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
VOCs	SVOC's	1-4 DIOXANE	METALS					

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	E	E	B						← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	M-31S	GW		✓	11/19/25	1210	15	X	X	X	X						MS / MSD
2.	RBGW_20251119	GW		✓	11/19/25	1400	5	X	X	X	X						
3.	TBGW_20251119	GW		✓	11/19/25	—	2	X									
4.	M-32I	GW		✓	11/19/25	1620	5	X	X	X	X						
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11/19/25 1635	1.
2.		2.
3.	11-19-25 1740	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.7°C 2.7°C 2.7°C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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ALLIANCE PROJECT NO.
QUOTE NO. Q3688
COC Number 2044520

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: WSP USA INC.
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: TRICIA LANDES
PHONE: 8562468331 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SHARKEY LF
PROJECT NO.: LOCATION: PARSIPPANY, NJ
PROJECT MANAGER: TRICIA LANDES
e-mail: Patricia.Landes@wsp.com
PHONE: 8562468331 FAX:

CLIENT BILLING INFORMATION

BILL TO: WSP USA INC. PO#: 4
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: TRICIA LANDES PHONE: 8562468331

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: VOC's
2: SVOC's
3: 1,4-Dioxane
4: METALS
5:
6:
7:
8:
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (E)	3 (E)	4 (B)	5	6	7	8	9	COMMENTS
1.	MW-31I	GW		G	11/20/25	1210	5	X	X	X	X						pH 1.3 # 80A0441
2.	MW-32S					1235	5	X	X	X	X						
3.	RBGW_20251120					1340	5	X	X	X	X						
4.	MW-30S					1515	5	X	X	X	X						
5.	MW-30I					1545	5	X	X	X	X						
6.	TBGW_20251120					—	2	X									
7.	FDGW_20251120					0900	5	X	X	X	X						FIELD DUP pH 1.3
8.																	
9.																	
10.																	

PRESERVATIVES: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11/20/25 1618	1.
2.		2.
3.	11.20.2025 1730	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.1 °C
Comments: 2.1 +0 = 2.1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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ALLIANCE PROJECT NO. Q3688
QUOTE NO.
COC Number 2044521

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: WSP USA INC.
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: TRICIA LANDES
PHONE: 8562468331 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SHARKEY LF
PROJECT NO.: LOCATION: PARSIPPANY, NJ
PROJECT MANAGER: TRICIA LANDES
e-mail: Patricia.Landes@wsp.com
PHONE: 8562468331 FAX:

CLIENT BILLING INFORMATION

BILL TO: WSP USA INC. PO#:
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: TRICIA LANDES PHONE: 8562468331

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☑ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
VOCs	SVOCs	1,4-Dioxane	METALS					

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	E	E	B						← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	WS-14	GW		G	11/21/25	1025	5	X	X	X	X						pH 1.6 #80A0441
2.	M-29					1055	5	X	X	X	X						
3.	RBGW-20251121					1255	5	X	X	X	X						
4.	M-28I					1635	5	X	X	X	X						
5.	WS-1					1440	5	X	X	X	X						
6.	TBGW-20251121					—	2	X	X	X	X						
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11/21/25 1710	1.
2.		2.
3.	11.21.2025 1810	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.0°C °C
Comments: 2.0 + 0 = 2.0°

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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ALLIANCE PROJECT NO.
QUOTE NO. Q3688
COC Number 2044522

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: WSP USA INC.
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP 07960
ATTENTION: TRICIA LANDES
PHONE: 8562468331 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SHARKEY LF
PROJECT NO.: LOCATION: PARSIPPANY, NJ
PROJECT MANAGER: TRICIA LANDES
e-mail: Patricia.Landes@wsp.com
PHONE: 8562468331 FAX:

CLIENT BILLING INFORMATION

BILL TO: WSP USA INC. PO#:
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: TRICIA LANDES PHONE: 856 246 8331

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DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: VOC's
2: SVOC's
3: 1,4-Dioxane
4: METALS
5:
6:
7:
8:
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	E	E	B						← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RBGW-20251124	GW		G	11/24/25	0800	5	X	X	X	X						
2.	M-28S					1115	5	X	X	X	X						
3.	TBGW-20251124					—	2	X									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Alexa Zitts	11/24/25 13:00	1. CK
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments: If 6 mth /

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC			Page 1 of 4
Received By (Print Name) Cassanova Rona			Log-in Date 11/19/2025
Received By (Signature)			
Case Number Sharkey Landfill Site	SDG No. Q3688		MA No. N/A

Remarks:	
1. Custody Seal (s)	Absent
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Absent
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	Alliance pickup 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.7 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/19/2025
12.Time Received	17:46

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	M-31S	N/A		Q3688-01	Intact
2	Q3688-01MS	N/A		Q3688-02	Intact
3	Q3688-01MSD	N/A		Q3688-03	Intact
4	RBGW-20251119	N/A		Q3688-04	Intact
5	TBGW-20251119	N/A		Q3688-05	Intact
6	M-32I	N/A		Q3688-06	Intact
~~7~~	~~EMS~~	~~N/A~~		~~Q3688-08~~	~~Intact~~
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	11/19/25	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 2 of 4
Received By (Print Name) Ossanova Raina		Log-in Date **11/20/2025**
Received By (Signature)		
Case Number Sharkey Landfill Site	SDG No. Q3688	MA No. N/A

Remarks:	
1. Custody Seal (s)	Absent
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Absent
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	Alliance pickup 2
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.1 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/20/2025
12.Time Received	17:20

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	M-31I	N/A		Q3688-09	Intact
2	M-32S	N/A		Q3688-10	Intact
3	RBGW-20251120	N/A		Q3688-11	Intact
4	M-30S	N/A		Q3688-12	Intact
5	M-30I	N/A		Q3688-13	Intact
6	TBGW-20251120	N/A		Q3688-14	Intact
7	FDGW-20251120	N/A		Q3688-15	Intact
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	11/20/25	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 3 of 4
Received By (Print Name) Casanova Rene		Log-in Date **11/21/2025**
Received By (Signature)		
Case Number Sharkey Landfill Site	SDG No. Q3688	MA No. N/A

Remarks:	
1. Custody Seal (s)	Absent
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Absent
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	Alliance pickup 3
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.0 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/21/2025
12.Time Received	18:10

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	WS-14	N/A		Q3688-16	Intact
2	M-29	N/A		Q3688-17	Intact
3	RBGW-20251121	N/A		Q3688-18	Intact
4	M-28I	N/A		Q3688-19	Intact
5	WS-1	N/A		Q3688-20	Intact
6	TBGW-20251121	N/A		Q3688-21	Intact
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	11/21/25	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 4 of 4
Received By (Print Name) Casseraea Reria		Log-in Date **11/24/2025**
Received By (Signature)		
Case Number Sharkey Landfill Site	SDG No. Q3688	MA No. N/A

Remarks:	
1. Custody Seal (s)	Absent
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Absent
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	Alliance pickup 4
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.3 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/24/2025
12.Time Received	13:00

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	RBGW-20251124	N/A		Q3688-22	Intact
2	M-28S	N/A		Q3688-23	Intact
3	TBGW-20251124	N/A		Q3688-24	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	11/24/25	Logbook Page No.	N/A

FORM DC-2
FULL ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME Alliance Technical Group, LLC
LAB CODE ACE
CONTRACT NO. 68HERH20D0011
CASE NO. Sharkey Landfill S SDG NO. Q3688
MA NO.
SOW NO. SFAM01.1

All documents delivered in the complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.4)

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
1. SDG Cover Page	1	2	✓	
2. Traffic Report/Chain of Custody Record(s)	3	6	✓	
3. Sample Log-In Sheet (DC-1)	7	10	✓	
4. CSF Inventory Sheet (DC-2)	11	17	✓	
5. SDG Narrative	18	40	✓	
Organic Analysis				
Trace Volatiles				
Quality Control Summary				
6. Deuterated Monitoring Compound Recovery (Form 2A-OR and Form 2B-OR)	NA	NA	✓	
7. Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A-OR)(if requeste by the EPA Region)	NA	NA	✓	
8. Method Blank Summary (Form 4-OR)	NA	NA	✓	
9. GC/MS Instrument Performance Check (Form 5-OR)	NA	NA	✓	
10. Internal Standard Area and Retention Summary (Form 8A-OR)	NA	NA	✓	
Sample Data				
11. TAL Results - Organics Analysis Data Sheet (Form 1A-OR)	NA	NA	✓	
12. Tentatively Identified Compounds (Form 1B-OR)				
13. Raw Data for each sample:				
Reconstructed total ion chromatograms (RICs) for each sample				
Raw Spectra and bacground-subtracted mass spectra of target analytes identified				
Quantitation Reports				
Mass Spectra of all reported TICs with three best library matches				
Standards Data (All Instruments)				
14. GC/MS Initial Calibration Data (Form 6A-OR)	NA	NA	✓	
15. RICs and Quantitation Reports for all Standards				

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
16. Initial Calibration Verification and Continuing Calibration Verification for GC/MS (Form 7-OR)	NA	NA	✓	
17. RICs and Quantitation Reports for all Standards				
Quality Control Data				
18. Performance Check	NA	NA	✓	
19. Blank Data	NA	NA	✓	
20. Matrix Spike/Matrix Spike Duplicate Data (Form 3A-OR) (if requested by EPA Region)	NA	NA	✓	
21. Original Preparation and analysis forms or copies of preparation and analysis logbook pages (including screening records if applicable)	NA	NA	✓	
Low-Medium Volatiles				
Quality Control Summary				
22. Deuterated Monitoring Compound Recovery (Form 2A-OR and Form 2B-OR)	41	42	✓	
23. Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A-OR) (if requested by EPA Region)	43	46	✓	
24. Method Blank Summary (Form 4-OR)	47	48	✓	
25. GC/MS Instrument Performance Check (Form 5-OR)	49	51	✓	
26. Internal Standard Area and Retention Time Summary (Form 8A-OR)	52	53	✓	
Sample Data				
27. TAL Results - Organics Analysis Data Sheet (Form 1A-OR)	54	308	✓	
28. Tentatively Identified Compounds (Form 1B-OR)				
29. Raw Data for Each Sample:				
Reconstructed total ion chromatograms (RICs) for each sample				
Raw Spectra and background-subtracted mass spectra of target analytes identified				
Quantitation Reports				
Mass Spectra of all reported TICs with three best library matches				
Standards Data (All Instruments)				
30. GC/MS Initial Calibration Data (Form 6A-OR)	309	341	✓	
31. RICs and Quantitation Reports for all Standards				
32. Initial Calibration Verification and Continuing Calibration Verification for GC/MS (Form 7A-OR)	342	371	✓	
33. RICs and Quantitation Reports for all Standards				
Quality Control Data				
34. Performance Check	372	386	✓	

FORM DC-2
FULL ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
35. Blank Data	387	410	✓	
36. Matrix Spike/Matrix Spike Duplicate Data (if requested by EPA Region)	411	478	✓	
37. Original preparation and analysis forms or copies of preparation and analysis logbook pages (including TCLP/SPLP logs, Percent Solid Determinations logs, and screening records if applicable)	479	536	✓	
Semivolatiles				
Quality Control Summary				
38. Deuterated Monitoring Compound Recovery (Form 2A-OR and Form 2B-OR)	537	539	✓	
39. Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A-OR) (if requested by EPA Region)	540	545	✓	
40. Method Blank Summary (Form 4-OR)	546	550	✓	
41. GC/MS Instrument Performance Check (Form 5-OR)	551	553	✓	
42. Internal Standard Area and Retention Time Summary (Form 8A-OR)	554	559	✓	
Sample Data				
43. TAL Results - Organics Analysis Data Sheet (Form 1A-OR)	560	826	✓	
44. Tentatively Identified Compounds (Form 1B-OR)				
45. Raw Data for Each sample:				
Reconstructed total ion chromatograms (RICs) for each sample	NA	NA	✓	
Raw Spectra and background-subtracted mass spectra of target analytes identified				
Quantitation Reports				
Mass Spectra of all reported TICs with three best library matches				
GPC chromatograms (if GPC is required)				
Standards Data (All Instruments)				
46. GC/MS Initial Calibration Data (Form 6A-OR)	827	892	✓	
47. RICs and Quantitation Reports for all Standards				
48. Initial Calibration Verification and Continuing Calibration Verification for GC/MS (Form 7A-OR)	893	954	✓	
49. RICs and Quantitation Reports for all Standards				
Quality Control Data				
50. Performance Check	955	965	✓	
51. Blank Data	966	1024	✓	
52. Matrix Spike/Matrix Spike Duplicate Data (if requested by EPA Region)	1025	1449	✓	

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
53. Raw GPC Data	NA	NA	✓	
54. For SIM analysis (if requested), at the same sequence as listed above, except for that Form 1B-OR and TIC spectra data which are not required for SIM method.	1450	1975	✓	
55. Original preparation and analysis forms or copies of preparation and analysis logbook pages (including TCLP/SPLP logs, Percent Solid Determinations logs, and screening records if applicable)	1368	1449	✓	
Pesticides				
Quality Control Summary				
56. Surrogate Recovery (Form 2C-OR)	NA	NA	✓	
57. Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A-OR each columns)	NA	NA	✓	
58. Laboratory Control Sample Recovery (Form 3B-OR each column)	NA	NA	✓	
59. Method Blank Summary (Form 4-OR)	NA	NA	✓	
Sample Data				
60. TAL Results - Organics Analysis Data Sheet (Form 1A-OR)	NA	NA	✓	
61. Raw Data for Each Sample:				
Chromatograms (Primary Column)				
Chromatograms (Secondary Column)				
Quantitation Reports				
Manual Worksheets				
62. For Pesticides by GC/MS Confirmation:				
Copies of raw spectra and copies of background-subtracted mass spectra of target analytes (samples & standards)				
Standards Data				
63. Initial Calibration of Single Component Analytes (Form 6B-OR and 6C-OR)	NA	NA	✓	
64. Initial Calibration of Multicomponent Analytes (Form 6D-OR and 6E-OR)	NA	NA	✓	
65. Analyte Resolution Summary (Form 6G-OR)	NA	NA	✓	
66. Pesticide Performance Evaluation Mixture Calibration Verification Summary (Form 7B-OR)	NA	NA	✓	

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
67. Continuing Calibration Verification Summary (Form 7C-OR)	NA	NA	✓	
68. Multicomponent Coninuing Calibration Verification Summary (Form 7D-OR)	NA	NA	✓	
69. Analytical Sequence (Form 8B-OR)	NA	NA	✓	
70. Florisil Cartridge Check (Form 9A-OR)	NA	NA	✓	
71. GPC Calibration Verification (Form 9B-OR)	NA	NA	✓	
72. Identification Summary for Single Component Analytes (Form 10A-OR)	NA	NA	✓	
73. Identification Summary for Multicomponent Analytes (Form 10B-OR)				
74. Chromatograms and Quantitation Reports:	NA	NA	✓	
A printout of Retention Times and corresponding peak areas or peak heights				
Quality Control Data				
75. Blank Data	NA	NA	✓	
76. Matrix Spike/Matrix Spike Duplicate Data	NA	NA	✓	
77. Laboratory Control Sample	NA	NA	✓	
78. Raw GPC Data	NA	NA	✓	
79. Raw Florisil Data	NA	NA	✓	
80. Original preparation and analysis forms or copies of preparation and analysis logbook pages (including TCLP/SPLP logs, Percent Solid Determinations logs, and screening records if applicable)	NA	NA	✓	
Aroclor Data				
Quality Control Summary				
81. Surrogate Recovery (Form 2C-OR)	NA	NA	✓	
82. Matrix Spike/Matrix Spike Duplicate Summary (Form 3A-OR)	NA	NA	✓	
83. Laboratory Control Sample Recovery (Form 3B-OR for each column)	NA	NA	✓	
84. Method Blank Summary (Form 4-OR)	NA	NA	✓	
Sample Data				
85. TAL Results - Organics Analysis Data Sheet (Form 1A-OR)	NA	NA	✓	

FORM DC-2
FULL ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
86. Raw Data for Each Sample:	NA	NA	✓	
Chromatograms (Primary Column)	NA	NA	✓	
Chromatograms (Secondary Column)	NA	NA	✓	
Quantitation Reports	NA	NA	✓	
Manual Worksheets	NA	NA	✓	
87. For Aroclors by GC/MS Confirmation:	NA	NA	✓	
Copies of raw spectra and copies of background-subtracted mass spectra of target analytes (samples & standards)	NA	NA	✓	
Standards Data				
88. Initial Calibration of Multicomponent Analytes(Form 6D-OR, Form 6E-OR, and Form 6F-OR)	NA	NA	✓	
89. Multicomponent Continuing Calibration Verification Summary (Form 7D-OR)	NA	NA	✓	
90. Analytical Sequence (Form 8B-OR)	NA	NA	✓	
91. Identification Summary for Multicomponent Analytes (Form 10B-OR)	NA	NA	✓	
92. Chromatograms and data system printouts:	NA	NA	✓	
A printout of Retention Times and corresponding peak areas or peak heights				
Qaulity Control Data				
93. Blank Data	NA	NA	✓	
94. Matrix Spike/Matrix Spike Duplicate Data	NA	NA	✓	
95. Laboratory Control Sample (LCS) Data	NA	NA	✓	
96. Raw GPC Data (if performed)	NA	NA	✓	
97. Original preparation and analysis forms or copies of preparation and analysis logbook pages (including Percent Solid Determinations logs and screening records if applicable)	NA	NA	✓	
Additional				
98. EPA Shipping/Receiving Documents Airbills (No. of shipments___**NA**____)	NA	NA	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1976	1979	✓	

FORM DC-2
FULL ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
99. Misc. Shipping/Receiving Records (list all individual records) Communication Logs	NA	NA	✓	
100. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)	1980	1996	✓	
101. PE/PT Instruction Forms	NA	NA	✓	
102. Other Records (describe or list)				
Communication Log	NA	NA	✓	

103. Comments

Completed by: N. N. Pandya — APPROVED By Nimisha Pandya, QA/QC Supervisor at 2:54 pm, Dec 09, 2025
(CLP Lab) (Signature) (Printed Name/Title) (Date)

Audited by:
(EPA) (Signature) (Printed Name/Title) (Date)

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

CASE NARRATIVE

WSP USA Inc.
Project Name: Sharkey Landfill Site FYR Reuse Morris County NJ
Project # N/A
Order ID # Q3688
Test Name: VOC-SFAM,SVOCMS Group1,SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
7 Water samples were received on 11/19/2025.
7 Water samples were received on 11/20/2025.
6 Water samples were received on 11/21/2025.
3 Water samples were received on 11/24/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-SFAM,SVOCMS Group1,SVOC-SIMGroup1. This data package contains results for VOC-SFAM(SFAM_VOC),SVOCMS Group1(SFAM_SVOC),SVOC-SIMGroup1(SFAM_SVOASIM).

VOC –Low Medium:

C. Analytical Techniques:
The analysis performed on instrument MSVOA_U were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOC-SFAM was based on method SFAM_VOC.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {Q3688-02MS} with File ID: VU063768.D recoveries met the requirements for all compounds.
The MSD {Q3688-03MSD} with File ID: VU063769.D recoveries met the acceptable requirements.
The RPD met criteria.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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E. Additional Comments:

Calculation:

Low/Med Water Level Calculation

$$\text{Concentration in ug/L} = \frac{(Ax)\,(Is)\,(DF)}{(Ais)\,(RRF)\,(Vo)}$$

Where,
Ax = Area of the characteristic ion (EICP) for the compound to be measured.
Ais = Area of the characteristic ion (EICP) for the internal standard.
Amount of internal standard added in ng.
RRF = Mean Relative Response Factor from the initial calibration standard.
Vo = Total volume of water purged, in mL.
DF = Dilution Factor.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

Semivolatile:

C. Analytical Techniques:
The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOCMS Group1 was based on method SFAM_SVOC and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for,
M-31S [4-Methylphenol-d8 - 11%],
M-32I [4-Methylphenol-d8 - 23%] and
SLCS723 [1,4-Dioxane-d8 - 128%,]. Failed surrogate is not associated with reporting list so no further corrective action was taken.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID BG064869.D met the requirements except for 1,4-Dioxane-d8. Failed surrogate in Continuous Calibration is not associated with reporting list, Therefor no further corrective action was taken.

The Tuning criteria met requirements.

E. Concentration of Water Sample:

$$\text{Concentration ug/L} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(\overline{RRF})\,(Vo)\,(Vi)}$$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vo = Volume of water extracted in mL.
Vi = Volume of extract injected in uL.
Vt = Volume of the concentrated extract in uL
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{}$ = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

Semivolatile SIM :

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-SIMGroup1 was based on method SFAM_SVOASIM and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis except for,

SLCS742, Failed internal standard is not associated with reporting list. Therefor no further corrective action was taken.

The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Sample M-28S was diluted due to high concentration.

The Sample M-29 and M-32I have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

E. Concentration of Water Sample:

$$\text{Concentration ug/L} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(\overline{RRF})\,(Vo)\,(Vi)}$$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vo = Volume of water extracted in mL.
Vi = Volume of extract injected in uL.
Vt = Volume of the concentrated extract in uL
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{}$ = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

Signature__ **APPROVED**

By Nimisha Pandya, QA/QC Supervisor at 2:56 pm, Dec 09, 2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VU111725	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTD00545/ VSTD005045	VU063720.D	2-Butanone	Amit	11/19/2025 11:13:25 AM	MMDadoda	11/19/2025 11:19:05 AM	Peak Integrated by Software
VSTD00545/ VSTD005045	VU063720.D	2-Butanone-d5	Amit	11/19/2025 11:13:25 AM	MMDadoda	11/19/2025 11:19:05 AM	Peak Integrated by Software
VSTD01046/ VSTD010046	VU063721.D	2-Butanone	Amit	11/19/2025 11:13:28 AM	MMDadoda	11/19/2025 11:19:09 AM	Peak Integrated by Software
VSTD01046/ VSTD010046	VU063721.D	2-Butanone-d5	Amit	11/19/2025 11:13:28 AM	MMDadoda	11/19/2025 11:19:09 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VU112125	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VU112425	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BG112425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTD00519/ SSTD005419	BG064848.D	2,4-Dichlorophenol-d3	Jagrut	12/2/2025 3:44:40 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD00519/ SSTD005419	BG064848.D	2-Nitrophenol-d4	Jagrut	12/2/2025 3:44:40 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD00519/ SSTD005419	BG064848.D	Benzo(k)fluoranthene	Jagrut	12/2/2025 3:44:40 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD00519/ SSTD005419	BG064848.D	Dibenzo(a,h)anthracene	Jagrut	12/2/2025 3:44:40 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD00519/ SSTD005419	BG064848.D	Indeno(1,2,3-cd)pyrene	Jagrut	12/2/2025 3:44:40 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD01020/ SSTD010420	BG064849.D	4-Nitroaniline	Jagrut	12/2/2025 3:44:42 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD01020/ SSTD010420	BG064849.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:44:42 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD01020/ SSTD010420	BG064849.D	Caprolactam	Jagrut	12/2/2025 3:44:42 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD01020/ SSTD010420	BG064849.D	Dibenzo(a,h)anthracene	Jagrut	12/2/2025 3:44:42 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD02021/ SSTD020421	BG064850.D	Caprolactam	Jagrut	12/2/2025 3:44:45 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD02021/ SSTD020421	BG064850.D	Indeno(1,2,3-cd)pyrene	Jagrut	12/2/2025 3:44:45 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD04022/ SSTD040422	BG064851.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:44:47 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD04022/ SSTD040422	BG064851.D	Caprolactam	Jagrut	12/2/2025 3:44:47 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG112425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTD08023/ SSTD080423	BG064852.D	Caprolactam	Jagrut	12/2/2025 3:44:50 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTD16024/ SSTD160424	BG064853.D	Caprolactam	Jagrut	12/2/2025 3:44:52 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software
SSTDICV020/ SICV425	BG064854.D	Caprolactam	Jagrut	12/2/2025 3:44:55 PM	mohammad	12/3/2025 1:12:53 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG112525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC020/ SSTD020454	BG064856.D	Caprolactam	Jagrut	11/26/2025 12:46:33 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170717BS/ SLCS717	BG064858.D	Caprolactam	Jagrut	11/26/2025 12:46:35 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-01/ M-31S	BG064859.D	4-Nitrophenol-d4	Jagrut	11/26/2025 12:46:37 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-01/ M-31S	BG064859.D	Caprolactam	Jagrut	11/26/2025 12:46:37 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-02MS/ M-31SMS	BG064860.D	4-Nitroaniline	Jagrut	11/26/2025 12:46:40 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-02MS/ M-31SMS	BG064860.D	Caprolactam	Jagrut	11/26/2025 12:46:40 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-03MSD/ M-31SMSD	BG064861.D	Caprolactam	Jagrut	11/26/2025 12:46:42 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-04/ RBGW-202511	BG064862.D	4-Nitrophenol-d4	Jagrut	11/26/2025 12:46:45 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-06/ M-32I	BG064863.D	4-Nitrophenol-d4	Jagrut	11/26/2025 12:46:47 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-06/ M-32I	BG064863.D	Phenol-d5	Jagrut	11/26/2025 12:46:47 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-09/ M-31I	BG064864.D	4-Chloroaniline-d4	Jagrut	11/26/2025 1:22:45 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-09/ M-31I	BG064864.D	4-Nitrophenol-d4	Jagrut	11/26/2025 1:22:45 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-09/ M-31I	BG064864.D	Caprolactam	Jagrut	11/26/2025 1:22:45 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software

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Sequence:	BG112525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3688-10/ M-32S	BG064865.D	4-Nitrophenol-d4	Jagrut	11/26/2025 1:22:48 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-10/ M-32S	BG064865.D	Caprolactam	Jagrut	11/26/2025 1:22:48 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-11/ RBGW-202511	BG064866.D	4-Chloroaniline-d4	Jagrut	11/26/2025 1:22:52 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-11/ RBGW-202511	BG064866.D	4-Nitrophenol-d4	Jagrut	11/26/2025 1:22:52 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	4,6-Dinitro-2-methylphenol	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	4,6-Dinitro-2-methylphenol-d2	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	Atrazine	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	Benzaldehyde	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	Benzo(a)anthracene	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	Caprolactam	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	Chrysene-d12	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	Phenanthrene	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170719BS/ SLCS719	BG064867.D	Phenanthrene-d10	Jagrut	11/26/2025 1:22:53 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software

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Sequence:	BG112525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170719BL/ SBLK719	BG064868.D	4-Nitrophenol-d4	Jagrut	11/26/2025 1:22:56 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
SSTDCCC020/ SSTD020455	BG064869.D	Caprolactam	Jagrut	11/26/2025 1:22:59 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
SSTDCCC020/ SSTD020456	BG064882.D	4-Nitrophenol-d4	Jagrut	11/26/2025 1:23:03 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
SSTDCCC020/ SSTD020456	BG064882.D	Caprolactam	Jagrut	11/26/2025 1:23:03 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-12/ M-30S	BG064885.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:47:34 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-12/ M-30S	BG064885.D	Caprolactam	Jagrut	12/2/2025 3:47:34 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-13/ M-30I	BG064886.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:47:37 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-13/ M-30I	BG064886.D	Caprolactam	Jagrut	12/2/2025 3:47:37 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-15/ FDGW-202511	BG064887.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:47:39 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-15/ FDGW-202511	BG064887.D	Caprolactam	Jagrut	12/2/2025 3:47:39 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-16/ WS-14	BG064888.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:47:41 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-16/ WS-14	BG064888.D	Caprolactam	Jagrut	12/2/2025 3:47:41 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-17/ M-29	BG064889.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:47:44 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software

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Sequence:	BG112525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC020/ SSTD020457	BG064890.D	4-Nitrophenol	Jagrut	12/2/2025 3:47:47 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
SSTDCCC020/ SSTD020457	BG064890.D	Caprolactam	Jagrut	12/2/2025 3:47:47 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
SSTDCCC020/ SSTD020457	BG064890.D	Pentachlorophenol	Jagrut	12/2/2025 3:47:47 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170741BL/ SBLK741	BG064891.D	1,4-Dioxane-d8	Jagrut	12/2/2025 3:47:49 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170741BL/ SBLK741	BG064891.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:47:49 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170721BS/ SLCS721	BG064892.D	Benzaldehyde	Jagrut	12/2/2025 3:47:51 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170721BS/ SLCS721	BG064892.D	Caprolactam	Jagrut	12/2/2025 3:47:51 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170721BS/ SLCS721	BG064892.D	Indeno(1,2,3-cd)pyrene	Jagrut	12/2/2025 3:47:51 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170723BS/ SLCS723	BG064893.D	Benzaldehyde	Jagrut	12/2/2025 3:47:54 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170723BS/ SLCS723	BG064893.D	Caprolactam	Jagrut	12/2/2025 3:47:54 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170741BS/ SLCS741	BG064894.D	4-Nitroaniline	Jagrut	12/2/2025 3:47:57 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170741BS/ SLCS741	BG064894.D	Benzaldehyde	Jagrut	12/2/2025 3:47:57 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
PB170741BS/ SLCS741	BG064894.D	Caprolactam	Jagrut	12/2/2025 3:47:57 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software

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Sequence:	BG112525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3688-18/ RBGW-202511	BG064895.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:47:59 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-19/ M-28I	BG064896.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:48:02 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-19/ M-28I	BG064896.D	Caprolactam	Jagrut	12/2/2025 3:48:02 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-20/ WS-1	BG064897.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:48:08 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-20/ WS-1	BG064897.D	Caprolactam	Jagrut	12/2/2025 3:48:08 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-22/ RBGW-202511	BG064898.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:48:12 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-23/ M-28S	BG064899.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:48:16 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
Q3688-23/ M-28S	BG064899.D	Caprolactam	Jagrut	12/2/2025 3:48:16 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
SSTDCCC020E C/	BG064900.D	4-Nitrophenol-d4	Jagrut	12/2/2025 3:48:19 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software
SSTDCCC020E C/	BG064900.D	Caprolactam	Jagrut	12/2/2025 3:48:19 PM	mohammad	12/3/2025 1:12:48 AM	Peak Integrated by Software

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Sequence:	BN112625	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Sequence:	BN120225	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170718BL/ SBLK718	BN038251.D	Chrysene-d12	Jagrut	12/3/2025 10:22:33 AM	Sohil	12/3/2025 3:28:34 PM	Peak Integrated by Software
PB170718BL/ SBLK718	BN038251.D	Phenanthrene-d10	Jagrut	12/3/2025 10:22:33 AM	Sohil	12/3/2025 3:28:34 PM	Peak Integrated by Software
Q3688-01/ M-31S	BN038253.D	Chrysene-d12	Jagrut	12/3/2025 10:22:37 AM	Sohil	12/3/2025 3:28:39 PM	Peak Integrated by Software
Q3688-01/ M-31S	BN038253.D	Fluoranthene-d10	Jagrut	12/3/2025 10:22:37 AM	Sohil	12/3/2025 3:28:39 PM	Peak Integrated by Software
Q3688-01/ M-31S	BN038253.D	Perylene-d12	Jagrut	12/3/2025 10:22:37 AM	Sohil	12/3/2025 3:28:39 PM	Peak Integrated by Software
Q3688-01/ M-31S	BN038253.D	Phenanthrene-d10	Jagrut	12/3/2025 10:22:37 AM	Sohil	12/3/2025 3:28:39 PM	Peak Integrated by Software
Q3688-04/ RBGW-202511	BN038256.D	Chrysene-d12	Jagrut	12/3/2025 10:22:44 AM	Sohil	12/3/2025 3:29:14 PM	Peak Integrated by Software
Q3688-04/ RBGW-202511	BN038256.D	Fluoranthene-d10	Jagrut	12/3/2025 10:22:44 AM	Sohil	12/3/2025 3:29:14 PM	Peak Integrated by Software
Q3688-04/ RBGW-202511	BN038256.D	Perylene-d12	Jagrut	12/3/2025 10:22:44 AM	Sohil	12/3/2025 3:29:14 PM	Peak Integrated by Software
Q3688-04/ RBGW-202511	BN038256.D	Phenanthrene	Jagrut	12/3/2025 10:22:44 AM	Sohil	12/3/2025 3:29:14 PM	Peak Integrated by Software
Q3688-04/ RBGW-202511	BN038256.D	Phenanthrene-d10	Jagrut	12/3/2025 10:22:44 AM	Sohil	12/3/2025 3:29:14 PM	Peak Integrated by Software
Q3688-06/ M-32I	BN038257.D	Chrysene-d12	Jagrut	12/3/2025 10:22:47 AM	Sohil	12/3/2025 3:28:48 PM	Peak Integrated by Software
Q3688-06/ M-32I	BN038257.D	Fluoranthene-d10	Jagrut	12/3/2025 10:22:47 AM	Sohil	12/3/2025 3:28:48 PM	Peak Integrated by Software

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Sequence:	BN120225	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3688-06/ M-32I	BN038257.D	Perylene-d12	Jagrut	12/3/2025 10:22:47 AM	Sohil	12/3/2025 3:28:48 PM	Peak Integrated by Software
Q3688-06/ M-32I	BN038257.D	Phenanthrene-d10	Jagrut	12/3/2025 10:22:47 AM	Sohil	12/3/2025 3:28:48 PM	Peak Integrated by Software
Q3688-09/ M-31I	BN038258.D	Chrysene-d12	Jagrut	12/3/2025 10:22:49 AM	Sohil	12/3/2025 3:29:21 PM	Peak Integrated by Software
Q3688-09/ M-31I	BN038258.D	Fluoranthene-d10	Jagrut	12/3/2025 10:22:49 AM	Sohil	12/3/2025 3:29:21 PM	Peak Integrated by Software
Q3688-09/ M-31I	BN038258.D	Perylene-d12	Jagrut	12/3/2025 10:22:49 AM	Sohil	12/3/2025 3:29:21 PM	Peak Integrated by Software
Q3688-09/ M-31I	BN038258.D	Phenanthrene-d10	Jagrut	12/3/2025 10:22:49 AM	Sohil	12/3/2025 3:29:21 PM	Peak Integrated by Software
Q3688-10/ M-32S	BN038259.D	Chrysene-d12	Jagrut	12/3/2025 10:22:52 AM	Sohil	12/3/2025 3:29:25 PM	Peak Integrated by Software
Q3688-10/ M-32S	BN038259.D	Fluoranthene-d10	Jagrut	12/3/2025 10:22:52 AM	Sohil	12/3/2025 3:29:25 PM	Peak Integrated by Software
Q3688-10/ M-32S	BN038259.D	Perylene-d12	Jagrut	12/3/2025 10:22:52 AM	Sohil	12/3/2025 3:29:25 PM	Peak Integrated by Software
Q3688-10/ M-32S	BN038259.D	Phenanthrene-d10	Jagrut	12/3/2025 10:22:52 AM	Sohil	12/3/2025 3:29:25 PM	Peak Integrated by Software
Q3688-11/ RBGW-202511	BN038260.D	Chrysene-d12	Jagrut	12/3/2025 10:22:54 AM	Sohil	12/3/2025 3:29:28 PM	Peak Integrated by Software
Q3688-11/ RBGW-202511	BN038260.D	Fluoranthene-d10	Jagrut	12/3/2025 10:22:54 AM	Sohil	12/3/2025 3:29:28 PM	Peak Integrated by Software
Q3688-11/ RBGW-202511	BN038260.D	Perylene-d12	Jagrut	12/3/2025 10:22:54 AM	Sohil	12/3/2025 3:29:28 PM	Peak Integrated by Software

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Sequence:	BN120225	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3688-11/ RBGW-202511	BN038260.D	Phenanthrene-d10	Jagrut	12/3/2025 10:22:54 AM	Sohil	12/3/2025 3:29:28 PM	Peak Integrated by Software
Q3688-12/ M-30S	BN038261.D	Chrysene-d12	Jagrut	12/3/2025 10:22:57 AM	Sohil	12/3/2025 3:29:31 PM	Peak Integrated by Software
Q3688-12/ M-30S	BN038261.D	Fluoranthene-d10	Jagrut	12/3/2025 10:22:57 AM	Sohil	12/3/2025 3:29:31 PM	Peak Integrated by Software
Q3688-12/ M-30S	BN038261.D	Perylene-d12	Jagrut	12/3/2025 10:22:57 AM	Sohil	12/3/2025 3:29:31 PM	Peak Integrated by Software
Q3688-12/ M-30S	BN038261.D	Phenanthrene-d10	Jagrut	12/3/2025 10:22:57 AM	Sohil	12/3/2025 3:29:31 PM	Peak Integrated by Software
Q3688-13/ M-30I	BN038262.D	Chrysene-d12	Jagrut	12/3/2025 10:23:00 AM	Sohil	12/3/2025 3:29:37 PM	Peak Integrated by Software
Q3688-13/ M-30I	BN038262.D	Fluoranthene-d10	Jagrut	12/3/2025 10:23:00 AM	Sohil	12/3/2025 3:29:37 PM	Peak Integrated by Software
Q3688-13/ M-30I	BN038262.D	Perylene-d12	Jagrut	12/3/2025 10:23:00 AM	Sohil	12/3/2025 3:29:37 PM	Peak Integrated by Software
Q3688-13/ M-30I	BN038262.D	Phenanthrene-d10	Jagrut	12/3/2025 10:23:00 AM	Sohil	12/3/2025 3:29:37 PM	Peak Integrated by Software
Q3688-15/ FDGW-202511	BN038263.D	Chrysene-d12	Jagrut	12/3/2025 10:23:04 AM	Sohil	12/3/2025 3:29:43 PM	Peak Integrated by Software
Q3688-15/ FDGW-202511	BN038263.D	Fluoranthene-d10	Jagrut	12/3/2025 10:23:04 AM	Sohil	12/3/2025 3:29:43 PM	Peak Integrated by Software
Q3688-15/ FDGW-202511	BN038263.D	Perylene-d12	Jagrut	12/3/2025 10:23:04 AM	Sohil	12/3/2025 3:29:43 PM	Peak Integrated by Software
Q3688-15/ FDGW-202511	BN038263.D	Phenanthrene-d10	Jagrut	12/3/2025 10:23:04 AM	Sohil	12/3/2025 3:29:43 PM	Peak Integrated by Software

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Sequence:	BN120225	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3688-16/ WS-14	BN038264.D	Chrysene-d12	Jagrut	12/3/2025 10:23:07 AM	Sohil	12/3/2025 3:29:48 PM	Peak Integrated by Software
Q3688-16/ WS-14	BN038264.D	Fluoranthene-d10	Jagrut	12/3/2025 10:23:07 AM	Sohil	12/3/2025 3:29:48 PM	Peak Integrated by Software
Q3688-16/ WS-14	BN038264.D	Perylene-d12	Jagrut	12/3/2025 10:23:07 AM	Sohil	12/3/2025 3:29:48 PM	Peak Integrated by Software
Q3688-16/ WS-14	BN038264.D	Phenanthrene-d10	Jagrut	12/3/2025 10:23:07 AM	Sohil	12/3/2025 3:29:48 PM	Peak Integrated by Software
Q3688-17/ M-29	BN038265.D	Chrysene-d12	Jagrut	12/3/2025 10:23:09 AM	Sohil	12/3/2025 3:29:52 PM	Peak Integrated by Software
Q3688-17/ M-29	BN038265.D	Fluoranthene-d10	Jagrut	12/3/2025 10:23:09 AM	Sohil	12/3/2025 3:29:52 PM	Peak Integrated by Software
Q3688-17/ M-29	BN038265.D	Perylene-d12	Jagrut	12/3/2025 10:23:09 AM	Sohil	12/3/2025 3:29:52 PM	Peak Integrated by Software
Q3688-17/ M-29	BN038265.D	Phenanthrene-d10	Jagrut	12/3/2025 10:23:09 AM	Sohil	12/3/2025 3:29:52 PM	Peak Integrated by Software

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Sequence:	BN120525	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170720BL/ SBLK720	BN038271.D	Chrysene-d12	Jagrut	12/8/2025 3:53:11 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170720BL/ SBLK720	BN038271.D	Fluoranthene-d10	Jagrut	12/8/2025 3:53:11 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170720BL/ SBLK720	BN038271.D	Perylene-d12	Jagrut	12/8/2025 3:53:11 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170720BL/ SBLK720	BN038271.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:11 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170722BL/ SBLK722	BN038272.D	Chrysene-d12	Jagrut	12/8/2025 3:53:12 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170722BL/ SBLK722	BN038272.D	Perylene-d12	Jagrut	12/8/2025 3:53:12 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170722BL/ SBLK722	BN038272.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:12 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-18/ RBGW-202511	BN038275.D	Chrysene-d12	Jagrut	12/8/2025 3:53:14 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-18/ RBGW-202511	BN038275.D	Perylene-d12	Jagrut	12/8/2025 3:53:14 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-18/ RBGW-202511	BN038275.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:14 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-19/ M-28I	BN038276.D	Chrysene-d12	Jagrut	12/8/2025 3:53:16 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-19/ M-28I	BN038276.D	Fluoranthene-d10	Jagrut	12/8/2025 3:53:16 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-19/ M-28I	BN038276.D	Perylene-d12	Jagrut	12/8/2025 3:53:16 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BN120525	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3688-19/ M-28I	BN038276.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:16 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-20/ WS-1	BN038277.D	Chrysene-d12	Jagrut	12/8/2025 3:53:18 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-20/ WS-1	BN038277.D	Fluoranthene-d10	Jagrut	12/8/2025 3:53:18 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-20/ WS-1	BN038277.D	Perylene-d12	Jagrut	12/8/2025 3:53:18 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-20/ WS-1	BN038277.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:18 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-22/ RBGW-202511	BN038278.D	Chrysene-d12	Jagrut	12/8/2025 3:53:20 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-22/ RBGW-202511	BN038278.D	Fluoranthene-d10	Jagrut	12/8/2025 3:53:20 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-22/ RBGW-202511	BN038278.D	Perylene-d12	Jagrut	12/8/2025 3:53:20 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-22/ RBGW-202511	BN038278.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:20 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-23/ M-28S	BN038279.D	Chrysene-d12	Jagrut	12/8/2025 3:53:23 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-23/ M-28S	BN038279.D	Fluoranthene-d10	Jagrut	12/8/2025 3:53:23 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-23/ M-28S	BN038279.D	Perylene-d12	Jagrut	12/8/2025 3:53:23 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
Q3688-23/ M-28S	BN038279.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:23 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BN120525	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170742BL/ SBLK742	BN038282.D	Chrysene-d12	Jagrut	12/8/2025 3:53:25 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170742BL/ SBLK742	BN038282.D	Fluoranthene-d10	Jagrut	12/8/2025 3:53:25 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170742BL/ SBLK742	BN038282.D	Perylene-d12	Jagrut	12/8/2025 3:53:25 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170742BL/ SBLK742	BN038282.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:25 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170724BL/ SBLK724	BN038284.D	Chrysene-d12	Jagrut	12/8/2025 3:53:27 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170724BL/ SBLK724	BN038284.D	Perylene-d12	Jagrut	12/8/2025 3:53:27 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software
PB170724BL/ SBLK724	BN038284.D	Phenanthrene-d10	Jagrut	12/8/2025 3:53:27 PM	mohammad	12/9/2025 12:44:52 AM	Peak Integrated by Software

FORM 2A-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No.: Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method : VOA Level : _____

Matrix : Water

EPA Sample No .	DMC1 (VCL)	DMC2 (CLA)	DMC3 (DCE)	DMC4 (BUT)	DMC5 (CLF)	DMC6 (DCA)	DMC7 (BEN)	DMC8 (DPA)
VBLK130	90	94	72	92	92	97	98	98
RBGW-20251119	91	94	74	90	92	96	96	98
TBGW-20251119	88	92	70	86	89	94	92	91
M-32I	88	93	70	83	91	95	91	92
RBGW-20251120	92	97	74	89	96	99	97	97
TBGW-20251120	93	98	74	86	95	100	99	98
FDGW-20251120	86	90	69	83	89	92	91	93
M-31S	83	88	66	80	88	92	89	93
M-31I	82	87	65	80	84	87	89	89
M-32S	87	90	68	84	90	95	95	96
M-30S	88	95	72	89	95	99	95	93
M-30I	84	89	68	81	88	93	94	94
M-31SMS	90	93	94	95	99	97	91	91
M-31SMSD	85	88	91	93	95	95	88	90
VBLK132	85	91	69	86	93	97	96	99
RBGW-20251121	89	95	72	91	98	103	100	101
TBGW-20251121	80	87	67	84	89	96	94	96
RBGW-20251124	84	93	70	87	97	98	96	100
TBGW-20251124	80	86	66	86	90	95	90	93
WS-14	84	92	70	89	95	101	100	101
M-29	84	91	69	92	95	98	96	99
M-28I	84	91	69	93	97	101	100	104
WS-1	83	93	68	85	95	101	98	100
M-285	78	86	64	83	91	94	91	97
VHBLK001	86	94	72	98	99	104	101	101

	QC LIMITS
DMC1 (VCL) = Vinyl Chloride-d3	(60-135)
DMC2 (CLA) = Chloroethane-d5	(70-130)
DMC3 (DCE) = 1,1-Dichloroethene-d2	(60-125)
DMC4 (BUT) = 2-Butanone-d5	(40-130)
DMC5 (CLF) = Chloroform-d	(70-125)
DMC6 (DCA) = 1,2-Dichloroethane-d4	(70-125)
DMC7 (BEN) = Benzene-d6	(70-125)
DMC8 (DPA) = 1,2-Dichloropropane-d6	(70-120)

FORM 2B-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No.: Sharkey Lar MA No.: SDG No.: Q3688
Analytical Method : VOA Level :
Matrix : Water

EPA Sample No .	DMC9 (TOL)	DMC10 (TDP)	DMC11 (HEX)	DMC12 (TCA)	DMC13 (DCZ)	DMC14	DMC15	DMC16	TOT OUT
VBLK130	93	85	93	96	101				0
RBGW-20251119	95	86	86	96	100				0
TBGW-20251119	88	80	83	91	96				0
M-32I	89	79	83	90	97				0
RBGW-20251120	93	85	87	94	100				0
TBGW-20251120	97	88	89	96	103				0
FDGW-20251120	89	81	85	91	98				0
M-31S	87	76	81	88	95				0
M-31I	85	77	82	87	94				0
M-32S	92	79	87	95	99				0
M-30S	93	83	87	92	100				0
M-30I	90	80	85	91	98				0
M-31SMS	90	86	95	95	97				0
M-31SMSD	90	84	94	95	92				0
VBLK132	93	90	88	97	99				0
RBGW-20251121	95	93	92	102	106				0
TBGW-20251121	90	86	85	95	99				0
RBGW-20251124	93	87	89	99	103				0
TBGW-20251124	86	82	84	91	97				0
WS-14	95	87	86	100	103				0
M-29	92	84	84	95	101				0
M-28I	94	87	87	101	106				0
WS-1	93	86	84	99	106				0
M-285	89	84	83	95	99				0
VHBLK001	97	86	96	104	109				0

	QC LIMITS
DMC9 (TOL) = Toluene-d8	(80-120)
DMC10 (TDP) = trans-1,3-Dichloropropene-d4	(60-125)
DMC11 (HEX) = 2-Hexanone-d5	(45-130)
DMC12 (TCA) = 1,1,2,2-Tetrachloroethane-d2	(65-120)
DMC13 (DCZ) = 1,2-Dichlorobenzene-d4	(80-120)

FORM 3A-OR
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No .: _____ SDG No. : Q3688

Analytical Method : VOA Level : _____

Matrix Water

EPA Sample No.(Matrix Spike/Matrix Spike Duplicate): M-31S

Instrument ID : MSVOA_U GC Column DB-624UI ID : 0.18 (mm)

Concentration Units (ug/L,mg/L ug/kg): ug/L

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC Limits %R
Dichlorodifluoromethane	50	0	50	100	0 - 0
Chloromethane	50	0	47	94	0 - 0
Vinyl Chloride	50	0	50	100	0 - 0
Bromomethane	50	0	52	104	0 - 0
Chloroethane	50	0	50	100	0 - 0
Trichlorofluoromethane	50	0	52	104	0 - 0
1,1-Dichloroethene	50	0	49	98	61 - 145
1,1,2-Trichloro-1,2,2-trifluorc	50	0	50	100	0 - 0
Acetone	100	0	59	59	0 - 0
Carbon disulfide	50	0	41	82	0 - 0
Methyl acetate	50	0	51	102	0 - 0
Methylene chloride	50	0	50	100	0 - 0
trans-1,2-Dichloroethene	50	0	49	98	0 - 0
Methyl tert-Butyl ether	50	0	51	102	0 - 0
1,1-Dichloroethane	50	0	50	100	0 - 0
cis-1,2-Dichloroethene	50	0	50	100	0 - 0
2-Butanone	100	0	76	76	0 - 0
Bromochloromethane	50	0	52	104	0 - 0
Chloroform	50	0	52	104	0 - 0
1,1,1-Trichloroethane	50	0	48	96	0 - 0
Cyclohexane	50	0	48	96	0 - 0
Carbon Tetrachloride	50	0	49	98	0 - 0
Benzene	50	0	50	100	76 - 127
1,2-Dichloroethane	50	0	53	106	0 - 0
Trichloroethene	50	0	49	98	71 - 120
Methylcyclohexane	50	0	47	94	0 - 0
1,2-Dichloropropane	50	0	51	102	0 - 0
Bromodichloromethane	50	0	49	98	0 - 0
cis-1,3-Dichloropropene	50	0	47	94	0 - 0
4-Methyl-2-pentanone	100	0	100	100	0 - 0
Toluene	50	0	50	100	76 - 125
trans-1,3-Dichloropropene	50	0	44	88	0 - 0
1,1,2-Trichloroethane	50	0	49	98	0 - 0
Tetrachloroethene	50	0	48	96	0 - 0
2-Hexanone	100	0	92	92	0 - 0
Dibromochloromethane	50	0	46	92	0 - 0
1,2-Dibromoethane	50	0	49	98	0 - 0
Chlorobenzene	50	0	49	98	75 - 130
Ethylbenzene	50	0	49	98	0 - 0
o-Xylene	50	0	50	100	0 - 0
m,p-Xylene	50	0	49	98	0 - 0
Styrene	50	0	50	100	0 - 0
Bromoform	50	0	44	88	0 - 0

FORM 3A-OR
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No .: SDG No. : Q3688

Analytical Method : VOA Level :

Matrix Water

EPA Sample No.(Matrix Spike/Matrix Spike Duplicate): M-31S

Instrument ID : MSVOA_U GC Column DB-624UI ID : 0.18 (mm)

Concentration Units (ug/L,mg/L ug/kg): ug/L

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC Limits %R
Isopropylbenzene	50	0	46	92	0 - 0
1,2,3-Trichloropropane	50	0	48	96	0 - 0
1,1,2,2-Tetrachloroethane	50	0	49	98	0 - 0
1,3-Dichlorobenzene	50	0	45	90	0 - 0
1,4-Dichlorobenzene	50	0	45	90	0 - 0
1,2-Dichlorobenzene	50	0	46	92	0 - 0
1,2-Dibromo-3-chloropropane	50	0	45	90	0 - 0
1,2,4-Trimethylbenzene	50	0	46	92	0 - 0
1,3,5-Trimethylbenzene	50	0	47	94	0 - 0
1,2,4-Trichlorobenzene	50	0	43	86	0 - 0
1,2,3-Trichlorobenzene	50	0	44	88	0 - 0

FORM 3A-OR
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No .: _____ SDG No. : Q3688

Analytical Method : VOA Level : _____

Matrix Water

EPA Sample No.(Matrix Spike/Matrix Spike Duplicate): M-31S

Instrument ID : MSVOA_U GC Column DB-624UI ID : 0.18 (mm)

Concentration Units (ug/L,mg/L ug/kg): ug/L

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC Limits %R

ANALYTE	SPIKE AADDED	MSD CONCENTRATION	MSD %R #	RPD	QC Limits	
					RPD	%R
Dichlorodifluoromethane	50	47	94	5	0	0 - 0
Chloromethane	50	45	90	4	0	0 - 0
Vinyl Chloride	50	48	96	3	0	0 - 0
Bromomethane	50	51	102	2	0	0 - 0
Chloroethane	50	50	100	1	0	0 - 0
Trichlorofluoromethane	50	50	100	5	0	0 - 0
1,1-Dichloroethene	50	48	96	1	14	61 - 145
1,1,2-Trichloro-1,2,2-trifluorc	50	48	96	4	0	0 - 0
Acetone	100	57	57	3	0	0 - 0
Carbon disulfide	50	42	84	2	0	0 - 0
Methyl acetate	50	49	98	5	0	0 - 0
Methylene chloride	50	48	96	3	0	0 - 0
trans-1,2-Dichloroethene	50	48	96	2	0	0 - 0
Methyl tert-Butyl ether	50	48	96	6	0	0 - 0
1,1-Dichloroethane	50	48	96	4	0	0 - 0
cis-1,2-Dichloroethene	50	51	102	0	0	0 - 0
2-Butanone	100	72	72	6	0	0 - 0
Bromochloromethane	50	49	98	5	0	0 - 0
Chloroform	50	50	100	4	0	0 - 0
1,1,1-Trichloroethane	50	47	94	2	0	0 - 0
Cyclohexane	50	46	92	3	0	0 - 0
Carbon Tetrachloride	50	47	94	3	0	0 - 0
Benzene	50	49	98	3	11	76 - 127
1,2-Dichloroethane	50	50	100	6	0	0 - 0
Trichloroethene	50	48	96	1	14	71 - 120
Methylcyclohexane	50	46	92	2	0	0 - 0
1,2-Dichloropropane	50	49	98	5	0	0 - 0

FORM 3A-OR
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No .: SDG No. : Q3688

Analytical Method : VOA Level :

Matrix Water

EPA Sample No.(Matrix Spike/Matrix Spike Duplicate): M-31S

Instrument ID : MSVOA_U GC Column DB-624UI ID : 0.18 (mm)

Concentration Units (ug/L,mg/L ug/kg): ug/L

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #		QC Limits %R
Bromodichloromethane	50	48	96	2	0	0 - 0
cis-1,3-Dichloropropene	50	44	88	6	0	0 - 0
4-Methyl-2-pentanone	100	98	98	2	0	0 - 0
Toluene	50	48	96	3	13	76 - 125
trans-1,3-Dichloropropene	50	45	90	1	0	0 - 0
1,1,2-Trichloroethane	50	49	98	0	0	0 - 0
Tetrachloroethene	50	47	94	1	0	0 - 0
2-Hexanone	100	96	96	4	0	0 - 0
Dibromochloromethane	50	47	94	1	0	0 - 0
1,2-Dibromoethane	50	48	96	2	0	0 - 0
Chlorobenzene	50	48	96	1	13	75 - 130
Ethylbenzene	50	48	96	2	0	0 - 0
o-Xylene	50	48	96	2	0	0 - 0
m,p-Xylene	50	48	96	1	0	0 - 0
Styrene	50	50	100	1	0	0 - 0
Bromoform	50	44	88	1	0	0 - 0
Isopropylbenzene	50	46	92	0	0	0 - 0
1,2,3-Trichloropropane	50	48	96	1	0	0 - 0
1,1,2,2-Tetrachloroethane	50	49	98	2	0	0 - 0
1,3-Dichlorobenzene	50	46	92	2	0	0 - 0
1,4-Dichlorobenzene	50	46	92	2	0	0 - 0
1,2-Dichlorobenzene	50	47	94	1	0	0 - 0
1,2-Dibromo-3-chloropropane	50	47	94	5	0	0 - 0
1,2,4-Trimethylbenzene	50	47	94	2	0	0 - 0
1,3,5-Trimethylbenzene	50	46	92	2	0	0 - 0
1,2,4-Trichlorobenzene	50	48	96	10	0	0 - 0
1,2,3-Trichlorobenzene	50	49	98	11	0	0 - 0

EPA SAMPLE NO.

VBLK130

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE
Case No.: Sharkey La
MA No. :
SDG No.: Q3688
Analytical Method: VOA
Level :
Matrix : Water
Lab Sample ID: VU1121WBL01
Instrument ID: MSVOA_U
Lab File ID : VU063756.D
Extraction Type : PT
Date Extracted :
GC Column ( ) : DB-624UI ID : 0.18 (mm)
Date Analyzed : 11/21/2025
GC Column ( ) : ID : (mm)
Time Analyzed : 09:36
Heated Purge: (Y/N) N
Cleanup(Y/N):
Cleanup Types :

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED
RBGW-20251119	Q3688-04	VU063757.D	11/21/2025 10:05
TBGW-20251119	Q3688-05	VU063758.D	11/21/2025 10:30
M-32I	Q3688-06	VU063759.D	11/21/2025 10:54
RBGW-20251120	Q3688-11	VU063760.D	11/21/2025 11:18
TBGW-20251120	Q3688-14	VU063761.D	11/21/2025 11:42
FDGW-20251120	Q3688-15	VU063762.D	11/21/2025 12:06
M-31S	Q3688-01	VU063763.D	11/21/2025 12:31
M-31I	Q3688-09	VU063764.D	11/21/2025 12:55
M-32S	Q3688-10	VU063765.D	11/21/2025 13:20
M-30S	Q3688-12	VU063766.D	11/21/2025 13:44
M-30I	Q3688-13	VU063767.D	11/21/2025 14:08
M-31SMS	Q3688-02MS	VU063768.D	11/21/2025 14:33
M-31SMSD	Q3688-03MSD	VU063769.D	11/21/2025 14:57

EPA SAMPLE NO.

VBLK132

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE
Case No.: Sharkey La
MA No. :
SDG No.: Q3688
Analytical Method: VOA
Level :
Matrix : Water
Lab Sample ID: VU1124WBL01
Instrument ID: MSVOA_U
Lab File ID : VU063776.D
Extraction Type : PT
Date Extracted :
GC Column ( ) : DB-624UI ID : 0.18 (mm)
Date Analyzed : 11/24/2025
GC Column ( ) : ID : (mm)
Time Analyzed : 14:33
Heated Purge: (Y/N) N
Cleanup(Y/N):
Cleanup Types :

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED
RBGW-20251121	Q3688-18	VU063777.D	11/24/2025 15:02
TBGW-20251121	Q3688-21	VU063778.D	11/24/2025 15:26
RBGW-20251124	Q3688-22	VU063779.D	11/24/2025 15:50
TBGW-20251124	Q3688-24	VU063780.D	11/24/2025 16:15
WS-14	Q3688-16	VU063781.D	11/24/2025 16:39
M-29	Q3688-17	VU063782.D	11/24/2025 17:03
M-28I	Q3688-19	VU063783.D	11/24/2025 17:28
WS-1	Q3688-20	VU063784.D	11/24/2025 17:52
M-285	Q3688-23	VU063785.D	11/24/2025 18:16
VHBLK001	Q3688-07	VU063787.D	11/24/2025 19:04

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
BFB090

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lan MA No.: SDG No.: Q3688
Analytical Method : VOA Lab File ID : VU063719.D
Instrument ID: MSVOA_U BFB / DFTPP : BFB
GC Column : DB-624UI ID : 0.18 (mm) :
Injection Date : 11/17/2025 Injection Time: 10:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	19.9	
75	30.0 - 80.0% of mass 95	54.9	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.9(1.2)	1
174	50.0 - 120% of mass 95	78.7	
175	5.0 - 9.0% of mass 174	5.3(6.7)	1
176	95.0 - 101% of mass 174	75.5(96)	1
177	5.0 - 9.0% of mass 176	4.7(6.3)	2

EPA SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD005045	VSTD00545	VU063720.D	11/17/2025	11:16
VSTD010046	VSTD01046	VU063721.D	11/17/2025	11:43
VSTD050047	VSTD05047	VU063722.D	11/17/2025	12:09
VSTD100048	VSTD10048	VU063723.D	11/17/2025	12:34
VSTD200049	VSTD20049	VU063724.D	11/17/2025	12:58
VICV050	VSTDICV050	VU063725.D	11/17/2025	13:51

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
BFB092

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lan MA No.: SDG No.: Q3688
Analytical Method : VOA Lab File ID : VU063753.D
Instrument ID: MSVOA_U BFB / DFTPP : BFB
GC Column : DB-624UI ID : 0.18 (mm) :
Injection Date : 11/21/2025 Injection Time: 07:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	19.2	
75	30.0 - 80.0% of mass 95	56.9	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.6(0.8)	1
174	50.0 - 120% of mass 95	77.4	
175	5.0 - 9.0% of mass 174	6(7.7)	1
176	95.0 - 101% of mass 174	74.1(95.7)	1
177	5.0 - 9.0% of mass 176	4.9(6.6)	2

EPA SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050115	VSTDCCC050	VU063754.D	11/21/2025	08:22
VBLK130	VU1121WBL01	VU063756.D	11/21/2025	09:36
RBGW-20251119	Q3688-04	VU063757.D	11/21/2025	10:05
TBGW-20251119	Q3688-05	VU063758.D	11/21/2025	10:30
M-32I	Q3688-06	VU063759.D	11/21/2025	10:54
RBGW-20251120	Q3688-11	VU063760.D	11/21/2025	11:18
TBGW-20251120	Q3688-14	VU063761.D	11/21/2025	11:42
FDGW-20251120	Q3688-15	VU063762.D	11/21/2025	12:06
M-31S	Q3688-01	VU063763.D	11/21/2025	12:31
M-31I	Q3688-09	VU063764.D	11/21/2025	12:55
M-32S	Q3688-10	VU063765.D	11/21/2025	13:20
M-30S	Q3688-12	VU063766.D	11/21/2025	13:44
M-30I	Q3688-13	VU063767.D	11/21/2025	14:08
M-31SMS	Q3688-02MS	VU063768.D	11/21/2025	14:33
M-31SMSD	Q3688-03MSD	VU063769.D	11/21/2025	14:57
VSTD050116	VSTDCCC050EC	VU063772.D	11/21/2025	16:34

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
BFB093

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lan MA No.: SDG No.: Q3688
Analytical Method : VOA Lab File ID : VU063773.D
Instrument ID: MSVOA_U BFB / DFTPP : BFB
GC Column : DB-624UI ID : 0.18 (mm) :
Injection Date : 11/24/2025 Injection Time: 12:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	21	
75	30.0 - 80.0% of mass 95	54.1	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.8(1.1)	1
174	50.0 - 120% of mass 95	75.8	
175	5.0 - 9.0% of mass 174	5.4(7.2)	1
176	95.0 - 101% of mass 174	74.2(97.8)	1
177	5.0 - 9.0% of mass 176	4.6(6.3)	2

EPA SAMPLE NO.	LAB SAMPLE	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050117	VSTDCCC050	VU063774.D	11/24/2025	13:10
VBLK132	VU1124WBL01	VU063776.D	11/24/2025	14:33
RBGW-20251121	Q3688-18	VU063777.D	11/24/2025	15:02
TBGW-20251121	Q3688-21	VU063778.D	11/24/2025	15:26
RBGW-20251124	Q3688-22	VU063779.D	11/24/2025	15:50
TBGW-20251124	Q3688-24	VU063780.D	11/24/2025	16:15
WS-14	Q3688-16	VU063781.D	11/24/2025	16:39
M-29	Q3688-17	VU063782.D	11/24/2025	17:03
M-28I	Q3688-19	VU063783.D	11/24/2025	17:28
WS-1	Q3688-20	VU063784.D	11/24/2025	17:52
M-285	Q3688-23	VU063785.D	11/24/2025	18:16
VHBLK001	Q3688-07	VU063787.D	11/24/2025	19:04
VSTD050118	VSTDCCC050EC	VU063788.D	11/24/2025	19:29

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey Lan MA No.: SDG No.: Q3688

Analytical Method: VOA Level :

EPA Sample No. : VSTD050115 Lab File ID (Standard) : VU063754.D

Instrument ID : MSVOA_U Init.Calib.Date(s): 11/17/2025

GC Column : DB-624UI ID: 0.18 (mm) Date Analyzed : 11/21/2025

Heated Purge: (Y/N) N Time Analyzed : 08:22

	IS1 (DFB) AREA	RT	IS2 (CBZ) AREA	RT	IS3 (DCB) AREA	RT
12 HOUR STD	304613	6.22	292788	9.39	149265	11.79
UPPER LIMIT	609226	6.389	585576	9.563	298530	11.958
LOWER LIMIT	152307	6.049	146394	9.223	74632.5	11.618
EPA SAMPLE NO.						
VBLK130	301725	6.22	287829	9.39	139993	11.79
RBGW-20251119	302476	6.22	284569	9.39	139308	11.79
TBGW-20251119	314462	6.22	303888	9.39	146623	11.79
M-32I	348582	6.22	337323	9.39	162891	11.79
RBGW-20251120	332509	6.22	326970	9.39	160342	11.79
TBGW-20251120	326351	6.22	308379	9.39	152685	11.79
FDGW-20251120	342446	6.22	330864	9.39	159776	11.79
M-31S	358146	6.22	342594	9.39	165349	11.79
M-31I	364294	6.22	348826	9.39	169657	11.79
M-32S	341609	6.22	325580	9.39	161982	11.79
M-30S	324753	6.22	318000	9.39	156083	11.79
M-30I	339732	6.22	320479	9.39	159775	11.79
M-31SMS	323065	6.22	322908	9.39	177337	11.79
M-31SMSD	339324	6.22	334237	9.39	181741	11.79

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene -d4

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.17 minutes of internal standard RT
RT LOWER LIMIT = -0.17 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey Lan MA No.: SDG No.: Q3688

Analytical Method: VOA Level :

EPA Sample No. : VSTD050117 Lab File ID (Standard) : VU063774.D

Instrument ID : MSVOA_U Init.Calib.Date(s): 11/17/2025

GC Column : DB-624UI ID: 0.18 (mm) Date Analyzed : 11/24/2025

Heated Purge: (Y/N) N Time Analyzed : 13:10

	IS1 (DFB) AREA	RT	IS2 (CBZ) AREA	RT	IS3 (DCB) AREA	RT
12 HOUR STD	321563	6.22	314070	9.39	158156	11.79
UPPER LIMIT	643126	6.389	628140	9.563	316312	11.958
LOWER LIMIT	160782	6.049	157035	9.223	79078	11.618
EPA SAMPLE NO.						
VBLK132	326545	6.22	311598	9.39	153339	11.79
RBGW-20251121	310245	6.22	296353	9.39	142928	11.79
TBGW-20251121	332213	6.22	311963	9.39	151705	11.79
RBGW-20251124	318489	6.22	304247	9.39	146449	11.79
TBGW-20251124	329736	6.22	318186	9.39	152652	11.79
WS-14	307971	6.22	292188	9.39	141763	11.79
M-29	308394	6.22	298059	9.39	146028	11.79
M-28I	301577	6.22	285221	9.39	137504	11.79
WS-1	304820	6.22	291724	9.39	138014	11.79
M-285	311188	6.22	296233	9.39	144368	11.79
VHBLK001	271539	6.22	262434	9.39	126368	11.79

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene -d4

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.17 minutes of internal standard RT
RT LOWER LIMIT = -0.17 minutes of internal standard RT

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
FDGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-15
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063762.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
FDGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-15
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063762.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
FDGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-15
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063762.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FDGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-15
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063762.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

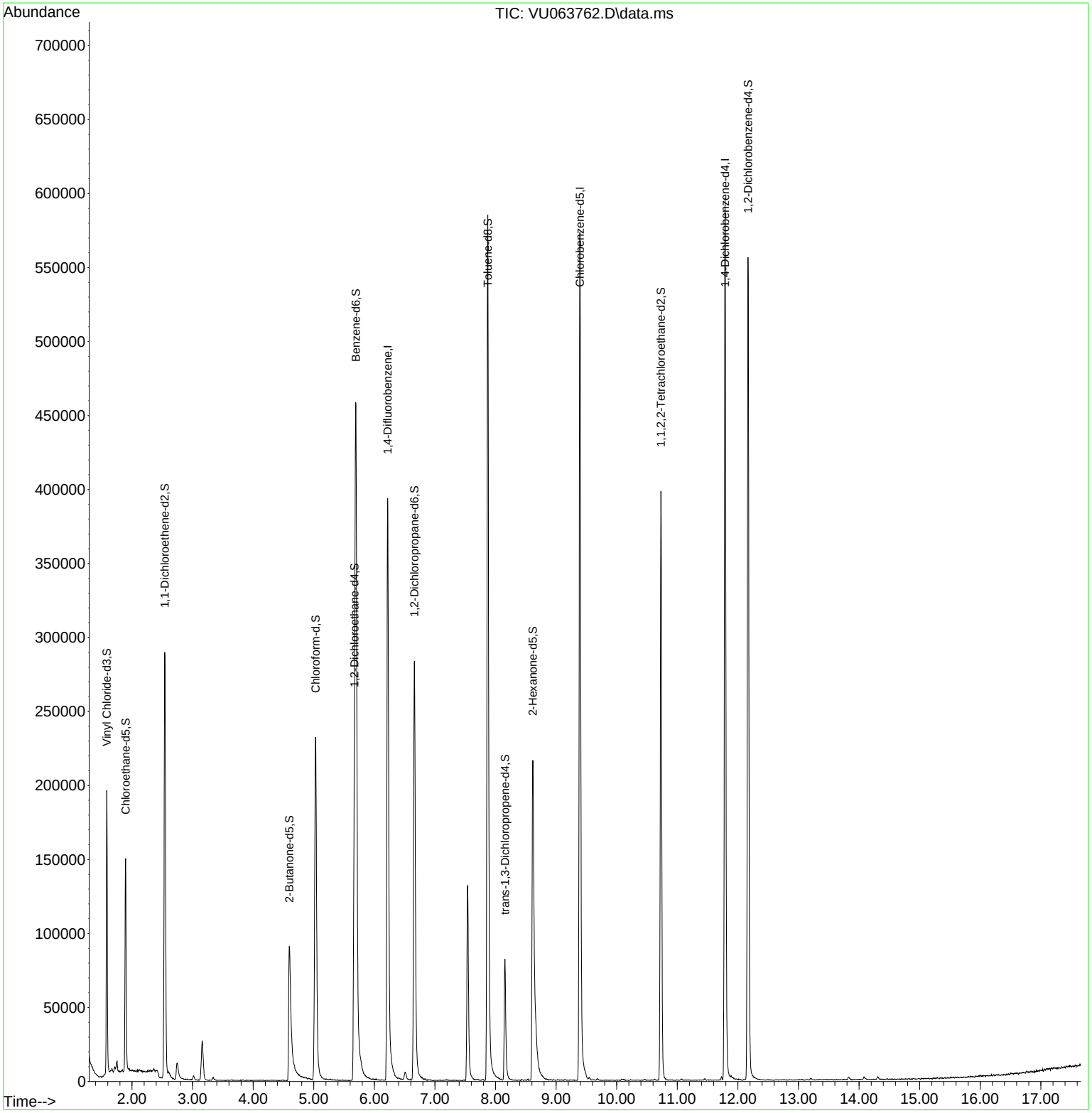
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063762.D
Acq On : 21 Nov 2025 12:06
Operator : MD/SY
Sample : Q3688-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FDGW-20251120

Quant Time: Nov 21 22:30:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063762.D
Acq On : 21 Nov 2025 12:06
Operator : MD/SY
Sample : Q3688-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FDGW-20251120

Quant Time: Nov 21 22:30:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	342446	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	330864	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	159776	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	126859	42.899	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.800%			
7) Chloroethane-d5	1.895	69	102280	44.894	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.780%			
11) 1,1-Dichloroethene-d2	2.541	63	177855	34.698	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.400%			
21) 2-Butanone-d5	4.595	46	140387	83.274	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 83.270%			
24) Chloroform-d	5.029	84	220624	44.467	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.940%			
26) 1,2-Dichloroethane-d4	5.669	65	150266	46.058	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.120%			
32) Benzene-d6	5.695	84	439821	45.351	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.700%			
36) 1,2-Dichloropropane-d6	6.660	67	132986	46.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.420%			
41) Toluene-d8	7.872	98	411307	44.668	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.340%			
43) trans-1,3-Dichloroprop...	8.155	79	47840	40.661	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.320%			
47) 2-Hexanone-d5	8.615	63	88266	85.268	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 85.270%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	189358	45.480	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.960%			
66) 1,2-Dichlorobenzene-d4	12.167	152	147055	48.756	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.520%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063762.D
Acq On : 21 Nov 2025 12:06
Operator : MD/SY
Sample : Q3688-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FDGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063762.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	105	rBV	190964	211206	15.58%	2.047%
2	1.895	179	188	201	rBV	143453	187788	13.86%	1.820%
3	2.541	378	389	407	rBV	287000	474213	34.99%	4.596%
4	2.747	443	453	468	rBV	10785	25689	1.90%	0.249%
5	2.885	492	496	501	rVV3	519	392	0.03%	0.004%
6	2.907	501	503	507	rVB2	503	253	0.02%	0.002%
7	2.985	525	527	529	rBV2	535	314	0.02%	0.003%
8	3.017	530	537	547	rVB5	2845	4835	0.36%	0.047%
9	3.158	566	581	604	rBV	26463	60757	4.48%	0.589%
10	3.329	629	634	635	rBV2	1369	1003	0.07%	0.010%
11	3.788	772	777	779	rBV2	314	231	0.02%	0.002%
12	3.814	781	785	787	rBV	411	335	0.02%	0.003%
13	3.882	801	806	808	rBV	364	341	0.03%	0.003%
14	3.972	830	834	836	rBV2	279	258	0.02%	0.003%
15	4.033	848	853	858	rVV2	196	241	0.02%	0.002%
16	4.165	892	894	899	rVB2	308	231	0.02%	0.002%
17	4.406	964	969	974	rVB	243	252	0.02%	0.002%
18	4.486	992	994	997	rVV2	310	219	0.02%	0.002%
19	4.505	997	1000	1003	rVB	351	230	0.02%	0.002%
20	4.595	1017	1028	1061	rBV2	90705	270297	19.94%	2.620%
21	5.030	1147	1163	1188	rBV	231484	531864	39.24%	5.155%
22	5.210	1216	1219	1224	rVB2	617	474	0.03%	0.005%
23	5.303	1244	1248	1251	rVB4	428	320	0.02%	0.003%
24	5.354	1261	1264	1268	rVB2	485	328	0.02%	0.003%
25	5.399	1275	1278	1283	rVB2	541	456	0.03%	0.004%
26	5.428	1283	1287	1292	rBV3	440	379	0.03%	0.004%
27	5.531	1316	1319	1324	rVB2	335	214	0.02%	0.002%
28	5.605	1336	1342	1344	rBV2	261	265	0.02%	0.003%
29	5.692	1349	1369	1417	rBV2	458120	1355364	100.00%	13.136%
30	6.026	1471	1473	1474	rBV	718	235	0.02%	0.002%
31	6.113	1497	1500	1503	rBV	261	227	0.02%	0.002%
32	6.219	1521	1533	1583	rBV	393030	821059	60.58%	7.958%
33	6.505	1613	1622	1623	rBV4	4812	5099	0.38%	0.049%
34	6.660	1656	1670	1703	rBV	283107	590518	43.57%	5.723%
35	6.837	1722	1725	1732	rVB5	1180	1203	0.09%	0.012%
36	6.869	1732	1735	1738	rVB2	446	285	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063762.D
Acq On : 21 Nov 2025 12:06
Operator : MD/SY
Sample : Q3688-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FDGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.081	1798	1801	1806	rVB2	501	401	0.03%	0.004%
38	7.184	1828	1833	1837	rBV4	583	522	0.04%	0.005%
39	7.306	1867	1871	1873	rBV2	397	278	0.02%	0.003%
40	7.380	1888	1894	1897	rBV2	225	251	0.02%	0.002%
41	7.480	1917	1925	1928	rBV2	480	499	0.04%	0.005%
42	7.541	1932	1944	1974	rBV	131610	248985	18.37%	2.413%
43	7.730	2001	2003	2008	rVB2	416	277	0.02%	0.003%
44	7.798	2022	2024	2030	rVB3	684	413	0.03%	0.004%
45	7.872	2034	2047	2078	rBV	584914	1103442	81.41%	10.695%
46	8.155	2124	2135	2158	rBV	81833	151698	11.19%	1.470%
47	8.322	2185	2187	2194	rVB2	323	319	0.02%	0.003%
48	8.435	2216	2222	2230	rBV2	791	1097	0.08%	0.011%
49	8.480	2230	2236	2238	rBV	406	431	0.03%	0.004%
50	8.534	2247	2253	2257	rVB3	1031	1006	0.07%	0.010%
51	8.615	2266	2278	2317	rBV2	216250	581058	42.87%	5.632%
52	8.894	2361	2365	2366	rBV2	389	263	0.02%	0.003%
53	9.023	2402	2405	2408	rVV3	347	221	0.02%	0.002%
54	9.074	2417	2421	2425	rBV3	330	391	0.03%	0.004%
55	9.097	2425	2428	2431	rVB	307	221	0.02%	0.002%
56	9.393	2507	2520	2561	rBV	572987	1040224	76.75%	10.082%
57	9.672	2603	2607	2608	rBV	774	490	0.04%	0.005%
58	9.727	2621	2624	2627	rVB2	461	312	0.02%	0.003%
59	9.746	2627	2630	2637	rVB	224	229	0.02%	0.002%
60	9.779	2637	2640	2646	rBV2	308	321	0.02%	0.003%
61	9.923	2682	2685	2694	rVB2	238	248	0.02%	0.002%
62	9.997	2700	2708	2713	rBV2	356	554	0.04%	0.005%
63	10.020	2713	2715	2722	rVB2	217	256	0.02%	0.002%
64	10.074	2728	2732	2734	rBV	667	515	0.04%	0.005%
65	10.409	2832	2836	2840	rBV2	352	347	0.03%	0.003%
66	10.463	2848	2853	2863	rVB2	856	1356	0.10%	0.013%
67	10.512	2864	2868	2871	rBV	298	277	0.02%	0.003%
68	10.624	2900	2903	2911	rVB3	768	921	0.07%	0.009%
69	10.682	2917	2921	2924	rBV2	405	263	0.02%	0.003%
70	10.730	2924	2936	2955	rBV	398187	655176	48.34%	6.350%
71	10.894	2985	2987	2994	rBV2	270	237	0.02%	0.002%
72	10.987	3012	3016	3024	rBV2	416	600	0.04%	0.006%
73	11.023	3024	3027	3031	rVV	319	216	0.02%	0.002%
74	11.071	3032	3042	3049	rVV4	1008	1637	0.12%	0.016%
75	11.193	3078	3080	3089	rVB2	446	518	0.04%	0.005%
76	11.238	3089	3094	3096	rBV	233	239	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063762.D
Acq On : 21 Nov 2025 12:06
Operator : MD/SY
Sample : Q3688-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FDGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.303	3112	3114	3119	rVB2	273	214	0.02%	0.002%
78	11.447	3155	3159	3162	rBV2	958	880	0.06%	0.009%
79	11.730	3240	3247	3253	rBV2	2392	2957	0.22%	0.029%
80	11.788	3253	3265	3289	rBV	595448	1007383	74.33%	9.764%
81	12.010	3332	3334	3336	rVB	530	214	0.02%	0.002%
82	12.061	3348	3350	3355	rVB3	345	263	0.02%	0.003%
83	12.097	3356	3361	3364	rBV4	607	560	0.04%	0.005%
84	12.167	3370	3383	3406	rBV	555606	947301	69.89%	9.181%
85	12.492	3481	3484	3487	rBV	293	223	0.02%	0.002%
86	12.512	3487	3490	3493	rVB2	392	227	0.02%	0.002%
87	13.061	3658	3661	3665	rVB3	552	447	0.03%	0.004%
88	13.119	3676	3679	3682	rVV2	269	216	0.02%	0.002%
89	13.200	3700	3704	3705	rBV2	772	554	0.04%	0.005%
90	13.508	3797	3800	3806	rBV3	399	500	0.04%	0.005%
91	13.627	3834	3837	3842	rVB2	434	334	0.02%	0.003%
92	13.740	3870	3872	3875	rBV2	492	326	0.02%	0.003%
93	13.827	3893	3899	3904	rBV7	1737	2491	0.18%	0.024%
94	13.894	3917	3920	3925	rBV2	588	598	0.04%	0.006%
95	14.081	3972	3978	3980	rBV5	1397	1270	0.09%	0.012%
96	14.309	4043	4049	4060	rVB4	1793	3019	0.22%	0.029%
97	15.032	4269	4274	4276	rBV4	821	754	0.06%	0.007%
98	15.222	4329	4333	4336	rBV3	925	813	0.06%	0.008%
99	15.293	4353	4355	4365	rVB3	1004	1045	0.08%	0.010%
100	15.338	4365	4369	4373	rBV4	958	874	0.06%	0.008%

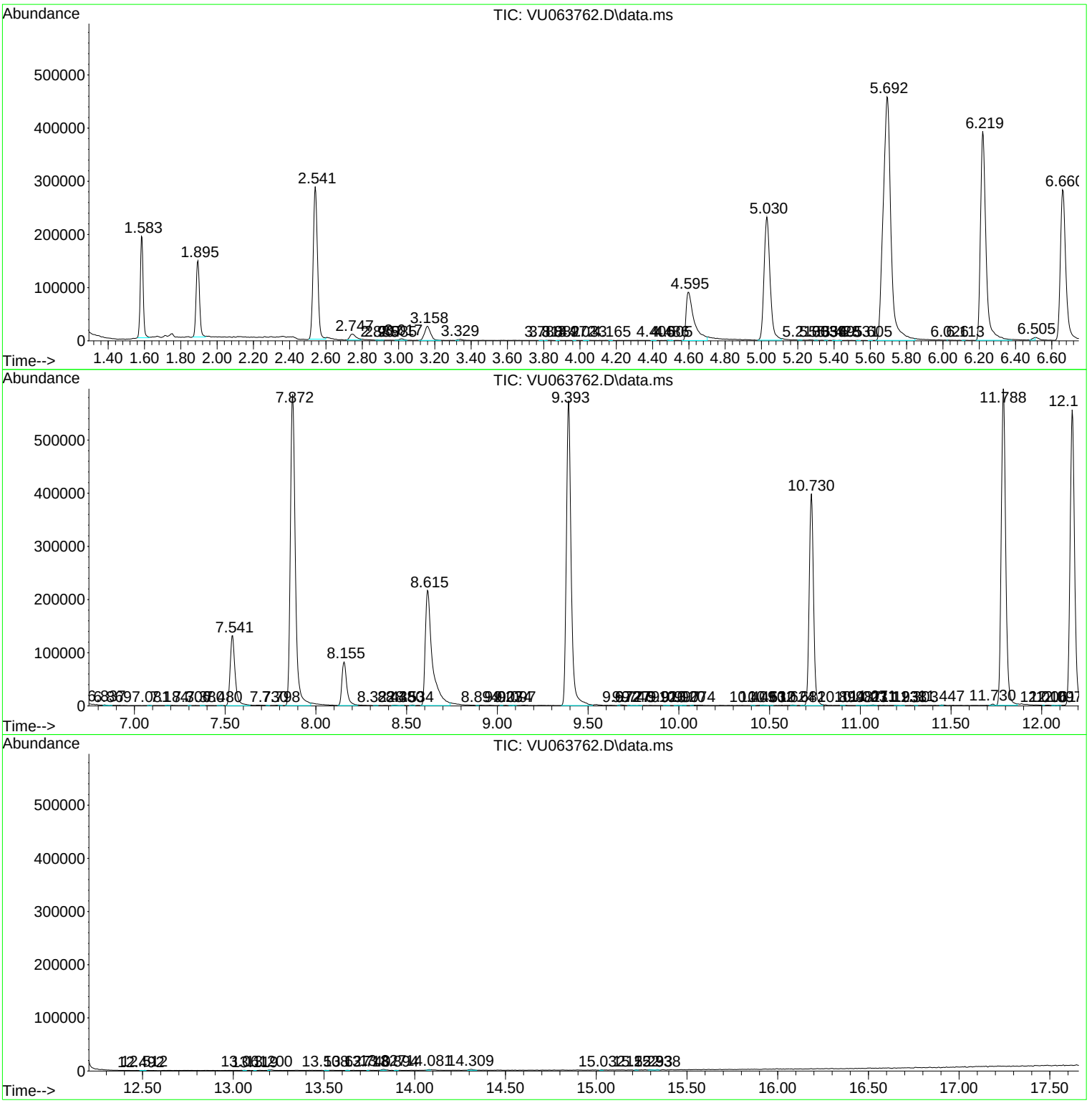
Sum of corrected areas: 10317547

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063762.D
Acq On : 21 Nov 2025 12:06
Operator : MD/SY
Sample : Q3688-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FDGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063762.D
Acq On : 21 Nov 2025 12:06
Operator : MD/SY
Sample : Q3688-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FDGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063762.D
Acq On : 21 Nov 2025 12:06
Operator : MD/SY
Sample : Q3688-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FDGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-285

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-23
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063785.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	1.5	J
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-285

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-23
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063785.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-285

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-23
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063785.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-285

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-23
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063785.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

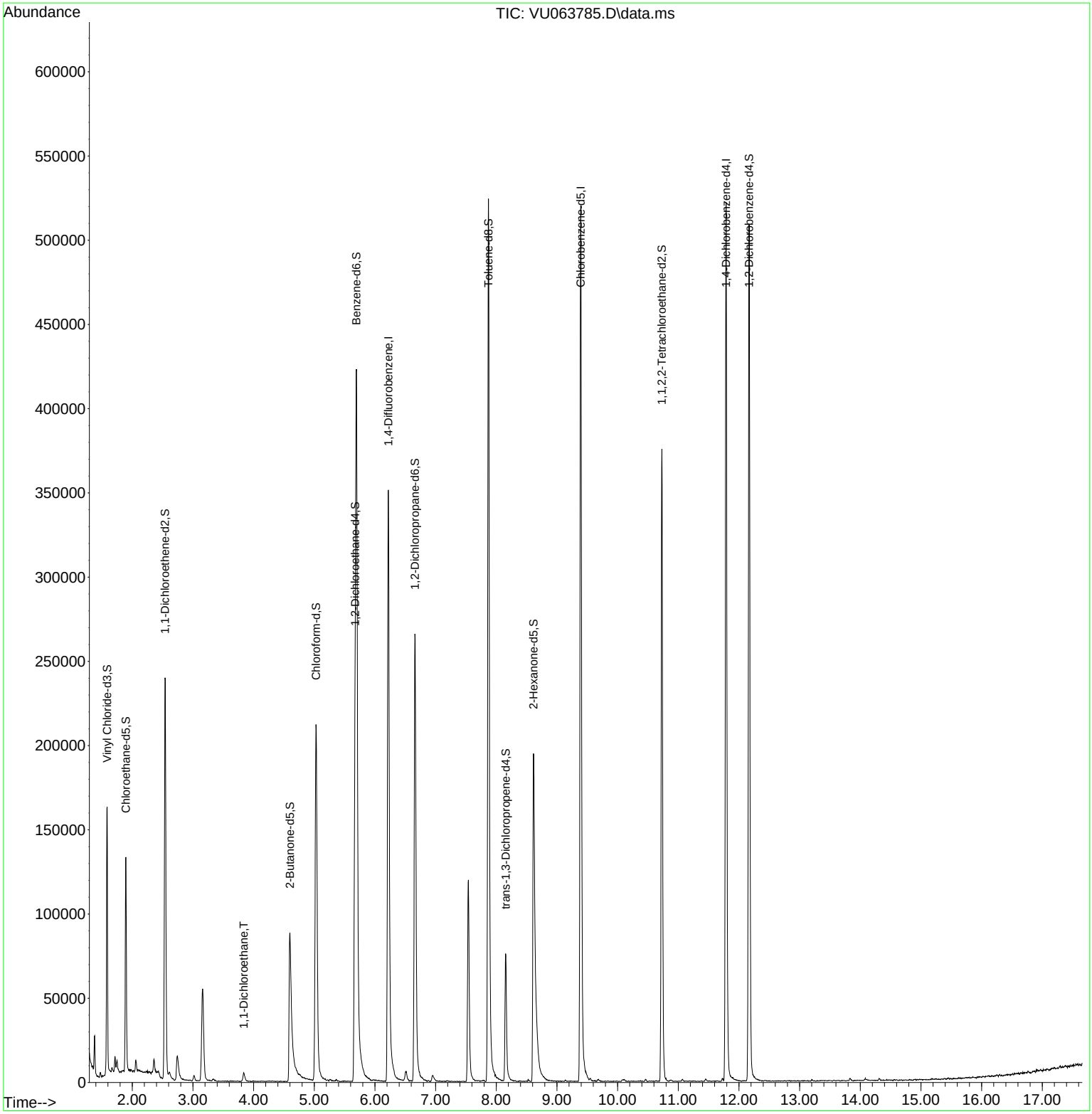
EPA-designated Registry Number.

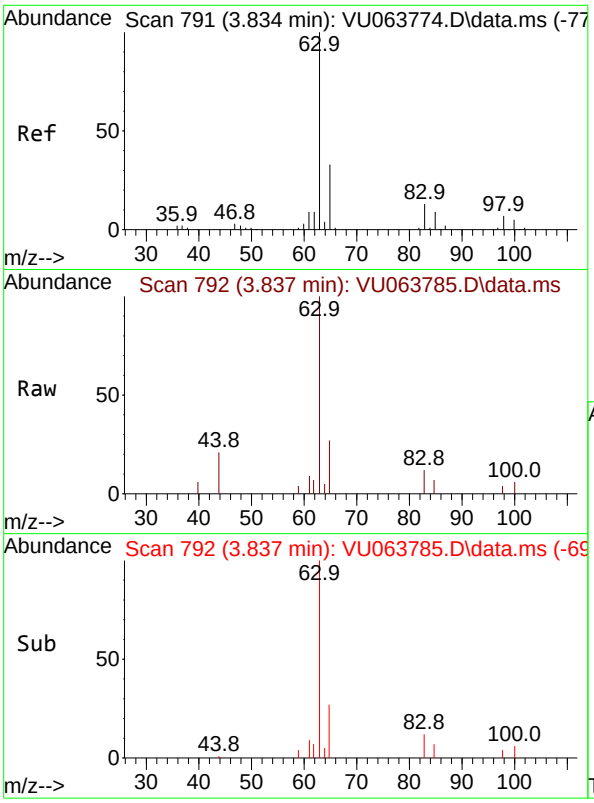
Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063785.D
Acq On : 24 Nov 2025 18:16
Operator : MD/SY
Sample : Q3688-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-285

Quant Time: Nov 25 00:25:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

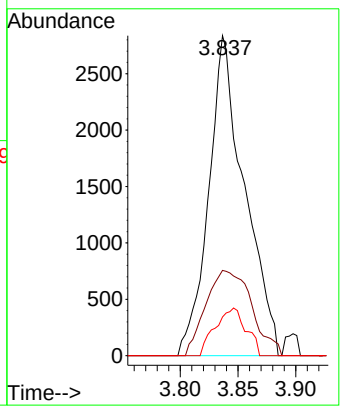




#19
1,1-Dichloroethane
Concen: 1.466 ug/L
RT: 3.837 min Scan# 792
Delta R.T. 0.003 min
Lab File: VU063785.D
Acq: 24 Nov 2025 18:16

Tgt Ion: 63 Resp: 6118

Ion	Ratio	Lower	Upper
63	100		
65	26.6	22.0	41.0
83	12.1	9.5	17.7



Instrument :
MSVOA_U
ClientSampleId :
M-285

Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063785.D
Acq On : 24 Nov 2025 18:16
Operator : MD/SY
Sample : Q3688-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-285

Quant Time: Nov 25 00:25:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	311188	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	296233	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	144368	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	104331	38.825	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 77.640%			
7) Chloroethane-d5	1.894	69	88784	42.885	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.760%			
11) 1,1-Dichloroethene-d2	2.541	63	148512	31.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 63.760%			
21) 2-Butanone-d5	4.599	46	126502	82.575	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 82.570%			
24) Chloroform-d	5.029	84	204443	45.344	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.680%			
26) 1,2-Dichloroethane-d4	5.672	65	139753	47.138	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.280%			
32) Benzene-d6	5.695	84	395920	45.596	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.200%			
36) 1,2-Dichloropropane-d6	6.660	67	123459	48.432	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.860%			
41) Toluene-d8	7.872	98	366888	44.502	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.000%			
43) trans-1,3-Dichloroprop...	8.155	79	44066	41.832	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.660%			
47) 2-Hexanone-d5	8.614	63	77305	83.410	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 83.410%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	177781	47.691	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.380%			
66) 1,2-Dichlorobenzene-d4	12.167	152	135241	49.624	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.240%			
Target Compounds						Qvalue
19) 1,1-Dichloroethane	3.837	63	6118	1.466	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063785.D
Acq On : 24 Nov 2025 18:16
Operator : MD/SY
Sample : Q3688-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-285

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063785.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	85	92	107	rVB	156724	175358	14.08%	1.851%
2	1.894	181	188	204	rVB	126495	161161	12.94%	1.701%
3	2.541	379	389	406	rBV	236688	394860	31.71%	4.167%
4	2.743	444	452	466	rBV2	13285	29788	2.39%	0.314%
5	3.017	528	537	549	rBV6	3238	5920	0.48%	0.062%
6	3.161	568	582	607	rVB	54172	129088	10.37%	1.362%
7	3.325	627	633	635	rBV4	1040	1020	0.08%	0.011%
8	3.422	661	663	670	rBV2	300	280	0.02%	0.003%
9	3.570	706	709	715	rVB	432	383	0.03%	0.004%
10	3.602	715	719	722	rBV	311	265	0.02%	0.003%
11	3.624	723	726	729	rVB2	395	262	0.02%	0.003%
12	3.772	769	772	775	rVB	263	153	0.01%	0.002%
13	3.791	775	778	780	rBV2	187	126	0.01%	0.001%
14	3.837	780	792	809	rVV2	5207	11645	0.94%	0.123%
15	3.978	834	836	839	rBV2	228	136	0.01%	0.001%
16	3.997	839	842	845	rVB	302	172	0.01%	0.002%
17	4.087	865	870	876	rBV2	173	251	0.02%	0.003%
18	4.119	876	880	882	rBV	278	190	0.02%	0.002%
19	4.193	899	903	908	rBB2	159	156	0.01%	0.002%
20	4.219	908	911	913	rBV	215	160	0.01%	0.002%
21	4.383	958	962	964	rBV	172	156	0.01%	0.002%
22	4.431	975	977	979	rBV2	209	97	0.01%	0.001%
23	4.525	1003	1006	1015	rVB2	238	278	0.02%	0.003%
24	4.599	1015	1029	1063	rBV	88286	268044	21.53%	2.829%
25	5.029	1148	1163	1199	rBV	211035	494964	39.75%	5.224%
26	5.254	1229	1233	1235	rBV2	951	795	0.06%	0.008%
27	5.364	1261	1267	1271	rBV5	912	889	0.07%	0.009%
28	5.441	1289	1291	1296	rBV	247	211	0.02%	0.002%
29	5.473	1296	1301	1304	rVV2	344	344	0.03%	0.004%
30	5.502	1307	1310	1315	rVB3	279	263	0.02%	0.003%
31	5.544	1321	1323	1324	rBV	206	92	0.01%	0.001%
32	5.695	1349	1370	1417	rBV2	422744	1245132	100.00%	13.141%
33	6.103	1495	1497	1500	rBV2	334	125	0.01%	0.001%
34	6.158	1510	1514	1517	rBV3	307	295	0.02%	0.003%
35	6.222	1522	1534	1577	rVV	350640	741057	59.52%	7.821%
36	6.573	1641	1643	1645	rBV3	531	321	0.03%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063785.D
Acq On : 24 Nov 2025 18:16
Operator : MD/SY
Sample : Q3688-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-285

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.660	1656	1670	1703	rBV2	265582	552627	44.38%	5.832%
38	6.872	1732	1736	1737	rBV	557	324	0.03%	0.003%
39	6.952	1752	1761	1778	rVV5	3570	9018	0.72%	0.095%
40	7.113	1807	1811	1814	rBV	299	194	0.02%	0.002%
41	7.161	1824	1826	1829	rVB2	330	170	0.01%	0.002%
42	7.184	1829	1833	1835	rBV3	576	476	0.04%	0.005%
43	7.254	1851	1855	1857	rBV2	300	226	0.02%	0.002%
44	7.399	1894	1900	1904	rVB	311	280	0.02%	0.003%
45	7.438	1904	1912	1916	rBV	242	332	0.03%	0.004%
46	7.492	1924	1929	1932	rBV	260	231	0.02%	0.002%
47	7.541	1932	1944	1970	rBV	119675	229854	18.46%	2.426%
48	7.743	2003	2007	2011	rBV4	349	400	0.03%	0.004%
49	7.872	2031	2047	2081	rBV	524063	993794	79.81%	10.489%
50	8.155	2125	2135	2161	rBV	75379	139148	11.18%	1.469%
51	8.380	2201	2205	2208	rBV2	496	417	0.03%	0.004%
52	8.438	2221	2223	2229	rVB3	176	152	0.01%	0.002%
53	8.528	2247	2251	2254	rBV4	1279	1065	0.09%	0.011%
54	8.614	2267	2278	2328	rBV2	194609	536426	43.08%	5.662%
55	9.010	2397	2401	2406	rVB3	380	401	0.03%	0.004%
56	9.077	2420	2422	2424	rBV2	155	94	0.01%	0.001%
57	9.139	2434	2441	2444	rBV2	858	908	0.07%	0.010%
58	9.299	2487	2491	2496	rBV2	290	298	0.02%	0.003%
59	9.393	2507	2520	2545	rBV	520079	945038	75.90%	9.974%
60	9.634	2593	2595	2598	rVB	526	264	0.02%	0.003%
61	9.650	2598	2600	2602	rBV	351	155	0.01%	0.002%
62	9.669	2603	2606	2609	rBV3	951	868	0.07%	0.009%
63	9.727	2622	2624	2627	rBV3	304	119	0.01%	0.001%
64	9.759	2631	2634	2636	rBV2	171	96	0.01%	0.001%
65	9.926	2682	2686	2689	rBV2	257	218	0.02%	0.002%
66	10.077	2727	2733	2734	rBV2	942	825	0.07%	0.009%
67	10.222	2775	2778	2779	rBV	213	124	0.01%	0.001%
68	10.306	2802	2804	2807	rBV2	203	125	0.01%	0.001%
69	10.405	2833	2835	2843	rVB2	336	275	0.02%	0.003%
70	10.441	2843	2846	2847	rBV	169	97	0.01%	0.001%
71	10.463	2847	2853	2862	rVB3	1325	1974	0.16%	0.021%
72	10.592	2890	2893	2896	rVB	309	196	0.02%	0.002%
73	10.621	2899	2902	2905	rBV2	349	252	0.02%	0.003%
74	10.679	2916	2920	2923	rBV	354	289	0.02%	0.003%
75	10.730	2923	2936	2956	rBV	375403	615900	49.46%	6.500%
76	10.862	2971	2977	2978	rBV2	698	477	0.04%	0.005%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063785.D
Acq On : 24 Nov 2025 18:16
Operator : MD/SY
Sample : Q3688-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-285

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	10.997	3016	3019	3022	rBV2	212	171	0.01%	0.002%
78	11.068	3037	3041	3049	rVB2	1236	1654	0.13%	0.017%
79	11.106	3049	3053	3054	rBV	198	117	0.01%	0.001%
80	11.174	3071	3074	3075	rBV	231	125	0.01%	0.001%
81	11.312	3113	3117	3121	rBV2	202	246	0.02%	0.003%
82	11.357	3127	3131	3135	rBV2	233	240	0.02%	0.003%
83	11.450	3154	3160	3162	rBV3	1348	1332	0.11%	0.014%
84	11.505	3174	3177	3183	rBV	406	397	0.03%	0.004%
85	11.563	3191	3195	3196	rBV	227	156	0.01%	0.002%
86	11.618	3209	3212	3215	rBV	312	239	0.02%	0.003%
87	11.679	3229	3231	3234	rBV	175	103	0.01%	0.001%
88	11.727	3239	3246	3248	rBV3	1741	1719	0.14%	0.018%
89	11.788	3253	3265	3287	rBV	521458	895231	71.90%	9.448%
90	12.061	3345	3350	3354	rBV2	509	536	0.04%	0.006%
91	12.167	3370	3383	3405	rBV	508330	870107	69.88%	9.183%
92	12.383	3448	3450	3453	rBV2	405	178	0.01%	0.002%
93	12.431	3457	3465	3467	rBV4	501	693	0.06%	0.007%
94	12.508	3487	3489	3496	rVB2	414	269	0.02%	0.003%
95	12.872	3597	3602	3605	rBV2	490	471	0.04%	0.005%
96	12.997	3639	3641	3644	rBV	239	124	0.01%	0.001%
97	13.187	3697	3700	3701	rBV	305	159	0.01%	0.002%
98	13.199	3702	3704	3706	rVV	639	298	0.02%	0.003%
99	13.833	3896	3901	3907	rBV5	1221	1573	0.13%	0.017%
100	13.900	3920	3922	3925	rBV	392	270	0.02%	0.003%

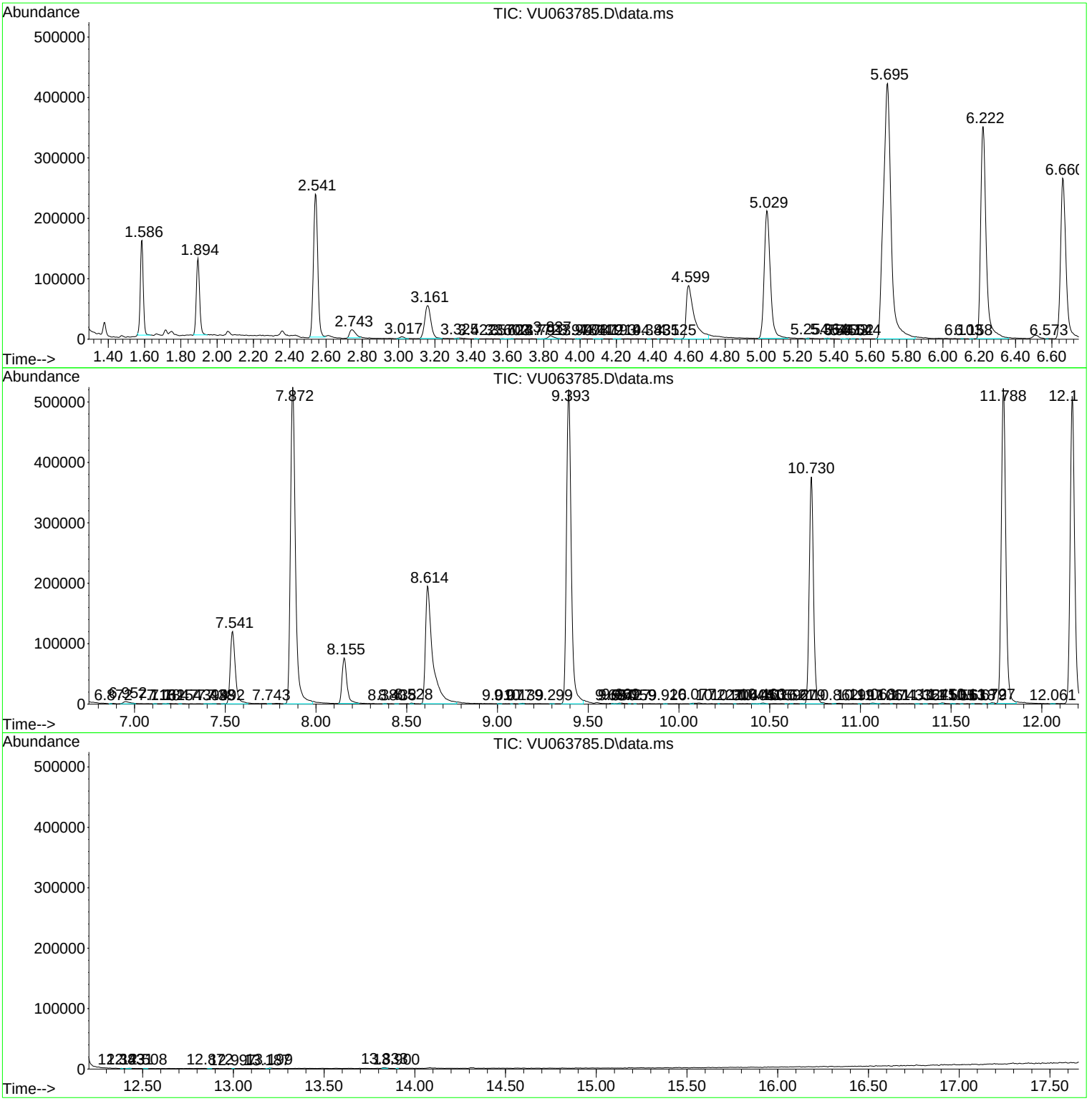
Sum of corrected areas: 9474972

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063785.D
Acq On : 24 Nov 2025 18:16
Operator : MD/SY
Sample : Q3688-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-285

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063785.D
Acq On : 24 Nov 2025 18:16
Operator : MD/SY
Sample : Q3688-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-285

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063785.D
Acq On : 24 Nov 2025 18:16
Operator : MD/SY
Sample : Q3688-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-285

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-28I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-19
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063783.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-28I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-19
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063783.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-28I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-19
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063783.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-28I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-19
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063783.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

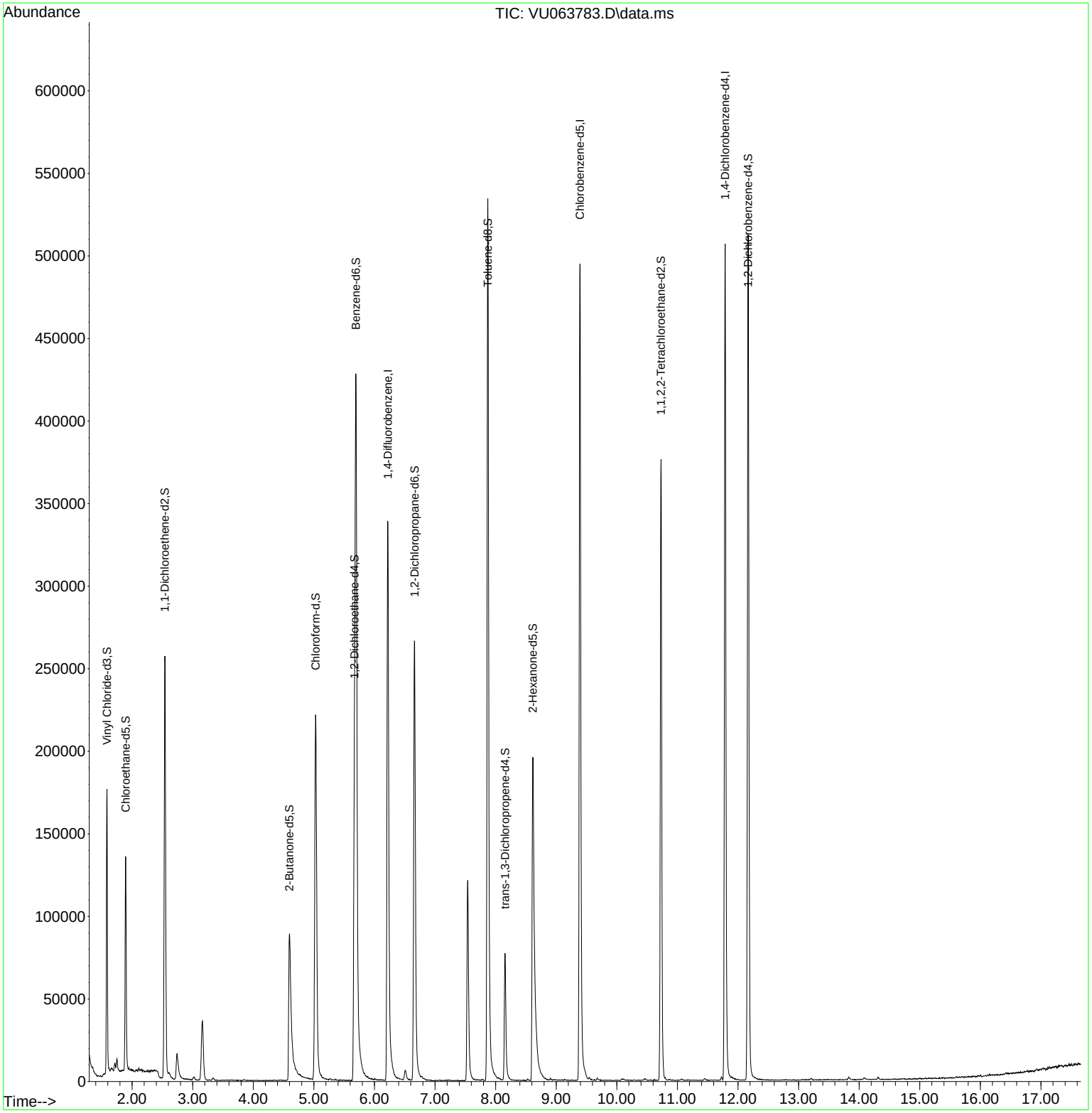
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063783.D
Acq On : 24 Nov 2025 17:28
Operator : MD/SY
Sample : Q3688-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-28I

Quant Time: Nov 25 00:24:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063783.D
Acq On : 24 Nov 2025 17:28
Operator : MD/SY
Sample : Q3688-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-28I

Quant Time: Nov 25 00:24:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	301577	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	285221	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	137504	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	109445	42.026	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.060%			
7) Chloroethane-d5	1.894	69	91512	45.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.220%			
11) 1,1-Dichloroethene-d2	2.541	63	156683	34.710	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.420%			
21) 2-Butanone-d5	4.595	46	138193	93.081	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.080%			
24) Chloroform-d	5.029	84	211682	48.446	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.900%			
26) 1,2-Dichloroethane-d4	5.669	65	145129	50.511	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.020%			
32) Benzene-d6	5.695	84	416462	49.814	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.620%			
36) 1,2-Dichloropropane-d6	6.663	67	127020	51.753	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.500%			
41) Toluene-d8	7.872	98	373715	47.080	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.160%			
43) trans-1,3-Dichloroprop...	8.155	79	43891	43.274	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.540%			
47) 2-Hexanone-d5	8.614	63	77923	87.323	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 87.320%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	181401	50.541	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 101.080%			
66) 1,2-Dichlorobenzene-d4	12.167	152	137137	52.832	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.660%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063783.D
Acq On : 24 Nov 2025 17:28
Operator : MD/SY
Sample : Q3688-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-28I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063783.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	83	92	108	rBV	172292	190372	15.07%	2.005%
2	1.894	180	188	202	rVB	128910	165757	13.12%	1.746%
3	2.541	377	389	405	rBV	255273	424721	33.62%	4.474%
4	2.743	442	452	470	rBV2	14998	35027	2.77%	0.369%
5	2.891	496	498	500	rBV2	442	237	0.02%	0.002%
6	3.020	529	538	540	rBV3	1893	2655	0.21%	0.028%
7	3.058	548	550	555	rVB	368	227	0.02%	0.002%
8	3.100	560	563	566	rBV2	449	332	0.03%	0.003%
9	3.161	567	582	599	rVV	35488	83911	6.64%	0.884%
10	3.335	629	636	647	rVB6	1447	2780	0.22%	0.029%
11	3.505	686	689	694	rVB3	302	274	0.02%	0.003%
12	3.592	713	716	718	rBV2	335	189	0.01%	0.002%
13	3.737	757	761	765	rVB2	322	323	0.03%	0.003%
14	3.804	778	782	785	rBV2	349	295	0.02%	0.003%
15	3.952	824	828	832	rVB2	349	288	0.02%	0.003%
16	3.972	832	834	838	rBV	260	190	0.02%	0.002%
17	4.094	869	872	875	rVB	408	273	0.02%	0.003%
18	4.226	909	913	916	rBV2	309	261	0.02%	0.003%
19	4.264	921	925	927	rBV	268	210	0.02%	0.002%
20	4.447	979	982	987	rVV	293	336	0.03%	0.004%
21	4.473	988	990	996	rVB	356	199	0.02%	0.002%
22	4.502	996	999	1004	rBV	289	186	0.01%	0.002%
23	4.599	1019	1029	1077	rBV	88587	278456	22.04%	2.933%
24	5.029	1147	1163	1191	rBV	221058	510848	40.44%	5.382%
25	5.248	1229	1231	1232	rBV	621	234	0.02%	0.002%
26	5.357	1260	1265	1270	rBV5	684	613	0.05%	0.006%
27	5.431	1285	1288	1290	rBV	494	296	0.02%	0.003%
28	5.537	1319	1321	1326	rVB2	349	221	0.02%	0.002%
29	5.570	1327	1331	1334	rBV	257	211	0.02%	0.002%
30	5.586	1334	1336	1343	rVB2	362	382	0.03%	0.004%
31	5.618	1343	1346	1350	rBV2	468	320	0.03%	0.003%
32	5.692	1350	1369	1412	rBV2	427989	1263126	100.00%	13.306%
33	5.981	1457	1459	1462	rBV4	354	197	0.02%	0.002%
34	6.004	1464	1466	1470	rVB	440	223	0.02%	0.002%
35	6.065	1482	1485	1489	rVB3	442	323	0.03%	0.003%
36	6.087	1489	1492	1495	rBV2	368	215	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063783.D
Acq On : 24 Nov 2025 17:28
Operator : MD/SY
Sample : Q3688-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-28I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.219	1520	1533	1573	rBV	338613	717705	56.82%	7.561%
38	6.512	1612	1624	1634	rBV9	5751	12422	0.98%	0.131%
39	6.660	1657	1670	1703	rBV	265825	553924	43.85%	5.835%
40	7.052	1789	1792	1797	rBV2	198	223	0.02%	0.002%
41	7.081	1797	1801	1804	rVB2	248	222	0.02%	0.002%
42	7.123	1810	1814	1815	rBV	279	205	0.02%	0.002%
43	7.164	1823	1827	1829	rBV2	278	219	0.02%	0.002%
44	7.193	1833	1836	1840	rVV3	359	259	0.02%	0.003%
45	7.447	1909	1915	1917	rVB2	431	409	0.03%	0.004%
46	7.463	1917	1920	1922	rBV	254	193	0.02%	0.002%
47	7.541	1930	1944	1966	rBV	121329	233163	18.46%	2.456%
48	7.692	1989	1991	1993	rBV	430	224	0.02%	0.002%
49	7.772	2013	2016	2017	rBV2	751	422	0.03%	0.004%
50	7.872	2033	2047	2080	rBV	534112	1010692	80.02%	10.647%
51	8.155	2124	2135	2155	rBV	76694	139125	11.01%	1.466%
52	8.473	2229	2234	2236	rBV2	293	199	0.02%	0.002%
53	8.515	2242	2247	2248	rBV	358	311	0.02%	0.003%
54	8.524	2248	2250	2256	rBV3	749	626	0.05%	0.007%
55	8.614	2267	2278	2337	rBV3	195865	553266	43.80%	5.828%
56	8.904	2365	2368	2373	rVB4	1034	854	0.07%	0.009%
57	8.926	2373	2375	2379	rVB3	495	374	0.03%	0.004%
58	8.955	2379	2384	2388	rBV2	618	637	0.05%	0.007%
59	9.100	2427	2429	2435	rVB2	543	452	0.04%	0.005%
60	9.139	2435	2441	2446	rBV3	748	927	0.07%	0.010%
61	9.261	2476	2479	2485	rVB2	394	372	0.03%	0.004%
62	9.393	2507	2520	2563	rVV	494617	913081	72.29%	9.619%
63	9.547	2564	2568	2575	rVB5	1468	2098	0.17%	0.022%
64	9.640	2595	2597	2602	rVB2	589	336	0.03%	0.004%
65	9.679	2602	2609	2621	rBV4	1585	2718	0.22%	0.029%
66	9.753	2627	2632	2635	rBV	294	276	0.02%	0.003%
67	9.888	2671	2674	2677	rBV	299	201	0.02%	0.002%
68	10.087	2727	2736	2737	rBV3	969	1114	0.09%	0.012%
69	10.180	2763	2765	2768	rVB2	409	202	0.02%	0.002%
70	10.241	2781	2784	2788	rVB	316	220	0.02%	0.002%
71	10.460	2848	2852	2855	rBV4	837	736	0.06%	0.008%
72	10.544	2872	2878	2882	rBV2	404	427	0.03%	0.004%
73	10.621	2900	2902	2907	rVB3	677	496	0.04%	0.005%
74	10.647	2907	2910	2914	rBV2	303	229	0.02%	0.002%
75	10.730	2919	2936	2955	rBV	376291	623549	49.37%	6.569%
76	11.071	3026	3042	3047	rBV3	908	1881	0.15%	0.020%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063783.D
Acq On : 24 Nov 2025 17:28
Operator : MD/SY
Sample : Q3688-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-28I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.447	3153	3159	3169	rVV4	1095	1822	0.14%	0.019%
78	11.492	3170	3173	3178	rVB2	512	407	0.03%	0.004%
79	11.730	3241	3247	3253	rVB5	1900	2391	0.19%	0.025%
80	11.788	3253	3265	3288	rBV	506447	861575	68.21%	9.076%
81	11.952	3314	3316	3317	rBV2	491	208	0.02%	0.002%
82	12.167	3370	3383	3406	rBV	511786	878798	69.57%	9.258%
83	12.354	3439	3441	3442	rBV	466	240	0.02%	0.003%
84	12.617	3520	3523	3528	rBV2	239	191	0.02%	0.002%
85	13.019	3643	3648	3653	rBV2	255	341	0.03%	0.004%
86	13.097	3669	3672	3674	rBV	402	280	0.02%	0.003%
87	13.209	3699	3707	3713	rBV4	946	1507	0.12%	0.016%
88	13.261	3720	3723	3724	rBV	358	227	0.02%	0.002%
89	13.344	3746	3749	3753	rBV2	576	457	0.04%	0.005%
90	13.486	3789	3793	3795	rBV	427	334	0.03%	0.004%
91	13.685	3853	3855	3861	rBV3	298	242	0.02%	0.003%
92	13.830	3896	3900	3905	rVB5	1141	1074	0.09%	0.011%
93	13.961	3938	3941	3943	rBV2	317	229	0.02%	0.002%
94	14.312	4045	4050	4052	rBV2	1254	1159	0.09%	0.012%
95	14.640	4150	4152	4154	rBV2	328	193	0.02%	0.002%
96	14.682	4162	4165	4168	rBV2	427	324	0.03%	0.003%
97	14.781	4194	4196	4198	rBV	355	195	0.02%	0.002%
98	14.817	4205	4207	4209	rBV	485	263	0.02%	0.003%
99	14.974	4253	4256	4258	rBV3	446	318	0.03%	0.003%
100	15.203	4325	4327	4328	rBV	455	194	0.02%	0.002%

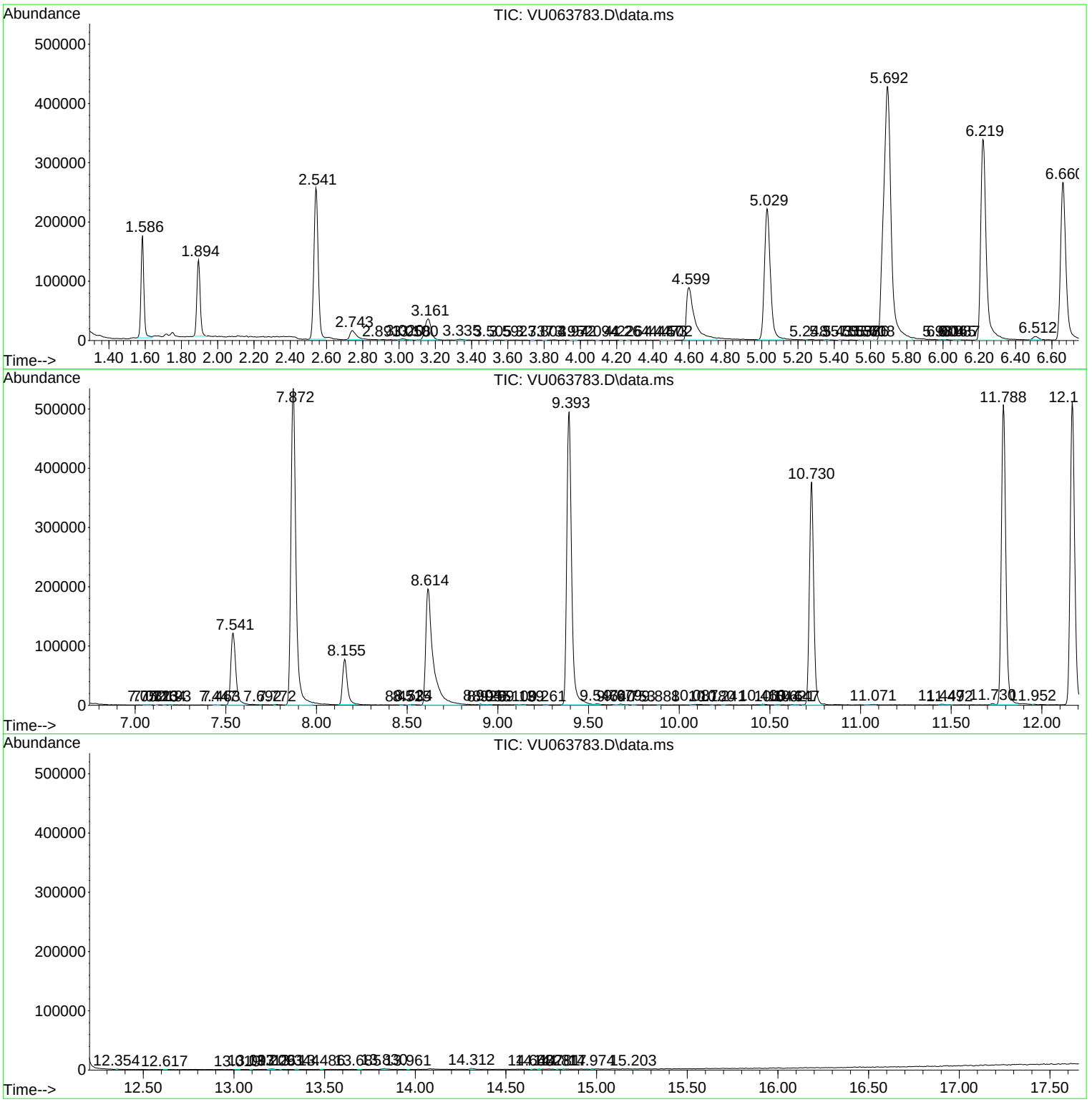
Sum of corrected areas: 9492666

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063783.D
Acq On : 24 Nov 2025 17:28
Operator : MD/SY
Sample : Q3688-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-28I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063783.D
Acq On : 24 Nov 2025 17:28
Operator : MD/SY
Sample : Q3688-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-28I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063783.D
Acq On : 24 Nov 2025 17:28
Operator : MD/SY
Sample : Q3688-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-28I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-29

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-17
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063782.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-29

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-17
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063782.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-29

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-17
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063782.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-29

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-17
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063782.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

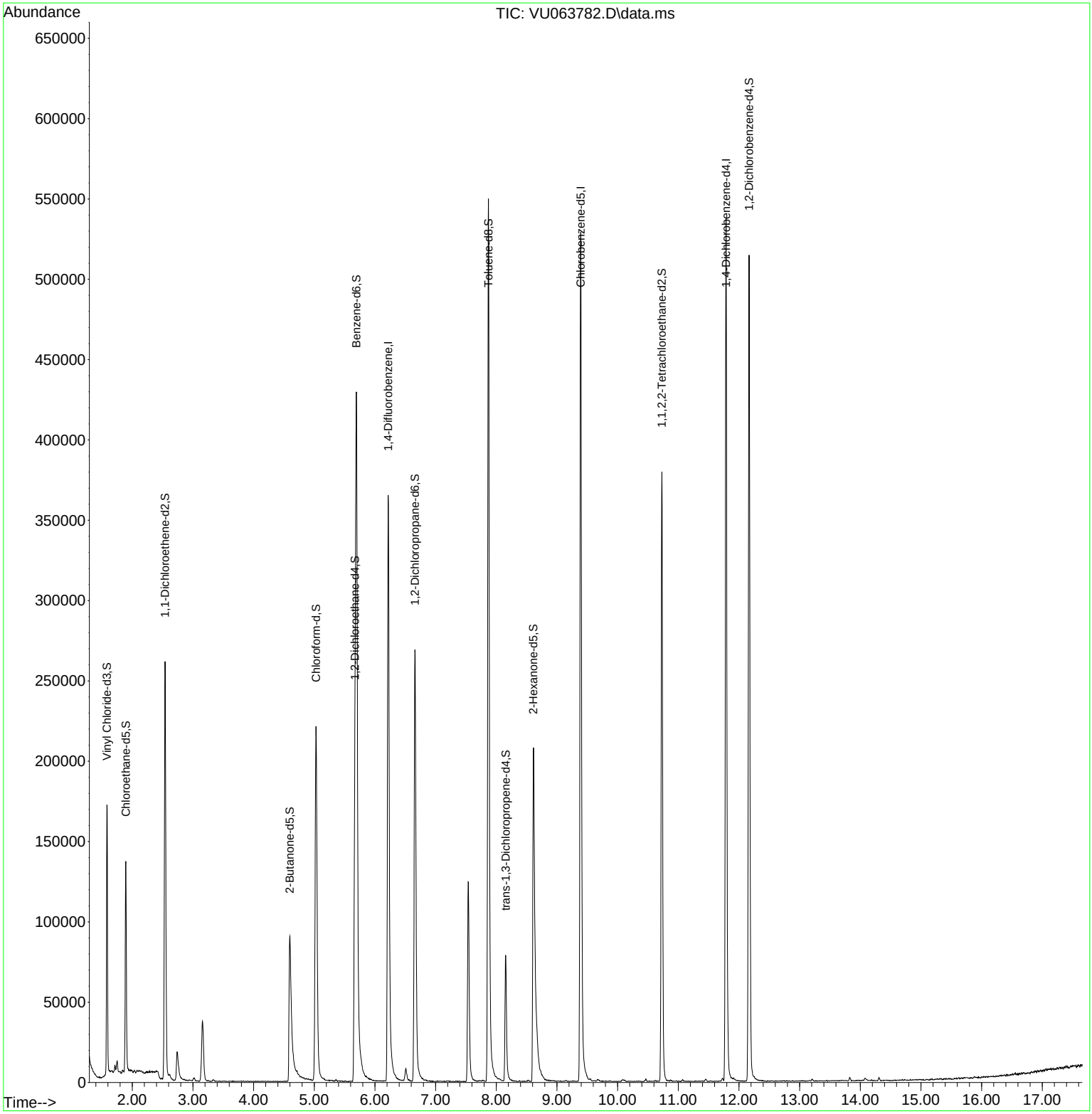
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063782.D
Acq On : 24 Nov 2025 17:03
Operator : MD/SY
Sample : Q3688-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-29

Quant Time: Nov 25 00:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063782.D
Acq On : 24 Nov 2025 17:03
Operator : MD/SY
Sample : Q3688-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-29

Quant Time: Nov 25 00:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	308394	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	298059	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	146028	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	111623	41.915	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.820%			
7) Chloroethane-d5	1.895	69	93025	45.340	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.680%			
11) 1,1-Dichloroethene-d2	2.541	63	159030	34.451	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.900%			
21) 2-Butanone-d5	4.595	46	139426	91.835	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.840%			
24) Chloroform-d	5.029	84	211269	47.283	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.560%			
26) 1,2-Dichloroethane-d4	5.669	65	144279	49.106	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.220%			
32) Benzene-d6	5.695	84	418050	47.850	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.700%			
36) 1,2-Dichloropropane-d6	6.660	67	127430	49.684	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.360%			
41) Toluene-d8	7.872	98	382772	46.144	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.280%			
43) trans-1,3-Dichloroprop...	8.155	79	44462	41.949	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.900%			
47) 2-Hexanone-d5	8.611	63	78200	83.859	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 83.860%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	178988	47.720	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.440%			
66) 1,2-Dichlorobenzene-d4	12.167	152	139738	50.691	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.380%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063782.D
Acq On : 24 Nov 2025 17:03
Operator : MD/SY
Sample : Q3688-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063782.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	85	91	102	rBV	166049	179641	14.12%	1.861%
2	1.895	180	188	199	rBV	129691	165171	12.98%	1.711%
3	2.541	377	389	406	rBV	259998	430480	33.83%	4.459%
4	2.740	444	451	471	rVB2	16254	35203	2.77%	0.365%
5	3.158	566	581	602	rBV2	37128	86284	6.78%	0.894%
6	3.312	625	629	630	rBV	201	164	0.01%	0.002%
7	3.325	630	633	635	rBV2	817	572	0.04%	0.006%
8	3.435	661	667	670	rBV2	426	417	0.03%	0.004%
9	3.460	673	675	678	rVV	169	81	0.01%	0.001%
10	3.541	697	700	701	rBV	204	117	0.01%	0.001%
11	3.666	736	739	741	rBV	223	146	0.01%	0.002%
12	3.869	798	802	807	rBV	230	216	0.02%	0.002%
13	3.898	808	811	814	rVV	290	255	0.02%	0.003%
14	3.927	818	820	824	rBV2	149	85	0.01%	0.001%
15	3.952	824	828	832	rBV2	283	287	0.02%	0.003%
16	3.975	832	835	837	rBV	105	53	0.00%	0.001%
17	4.033	847	853	855	rBV2	369	288	0.02%	0.003%
18	4.071	859	865	868	rBV2	380	368	0.03%	0.004%
19	4.110	874	877	880	rBV	165	122	0.01%	0.001%
20	4.187	898	901	902	rBV	212	122	0.01%	0.001%
21	4.277	926	929	935	rBV	209	215	0.02%	0.002%
22	4.351	949	952	954	rBV2	194	131	0.01%	0.001%
23	4.399	964	967	972	rBV	242	176	0.01%	0.002%
24	4.438	976	979	982	rBV	169	106	0.01%	0.001%
25	4.505	993	1000	1004	rBV2	339	365	0.03%	0.004%
26	4.528	1004	1007	1009	rBV	295	180	0.01%	0.002%
27	4.599	1019	1029	1059	rBV	89818	260339	20.46%	2.697%
28	5.029	1149	1163	1197	rBV	219575	500913	39.37%	5.189%
29	5.338	1256	1259	1261	rBV3	449	264	0.02%	0.003%
30	5.396	1274	1277	1282	rBV4	414	505	0.04%	0.005%
31	5.480	1301	1303	1308	rBV2	216	216	0.02%	0.002%
32	5.509	1309	1312	1314	rVV2	450	331	0.03%	0.003%
33	5.534	1318	1320	1324	rBV	60	43	0.00%	0.000%
34	5.554	1324	1326	1328	rVB2	159	62	0.00%	0.001%
35	5.566	1328	1330	1331	rBV	177	79	0.01%	0.001%
36	5.695	1350	1370	1416	rBV2	429321	1272323	100.00%	13.179%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063782.D
Acq On : 24 Nov 2025 17:03
Operator : MD/SY
Sample : Q3688-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.145	1507	1510	1512	rBV	420	276	0.02%	0.003%
38	6.219	1521	1533	1581	rBV	364718	759178	59.67%	7.864%
39	6.512	1613	1624	1635	rBV6	7440	14741	1.16%	0.153%
40	6.660	1656	1670	1707	rBV	268597	566904	44.56%	5.872%
41	6.923	1750	1752	1755	rBV2	302	183	0.01%	0.002%
42	6.939	1755	1757	1760	rVB2	488	243	0.02%	0.003%
43	6.959	1760	1763	1766	rBV3	349	265	0.02%	0.003%
44	6.988	1770	1772	1774	rBV	72	35	0.00%	0.000%
45	7.007	1775	1778	1783	rBV2	226	183	0.01%	0.002%
46	7.029	1783	1785	1787	rBV	274	139	0.01%	0.001%
47	7.110	1808	1810	1812	rBV	134	84	0.01%	0.001%
48	7.238	1847	1850	1853	rBV2	377	266	0.02%	0.003%
49	7.316	1872	1874	1876	rBV2	89	52	0.00%	0.001%
50	7.335	1877	1880	1882	rVV2	327	193	0.02%	0.002%
51	7.361	1886	1888	1890	rVB	357	171	0.01%	0.002%
52	7.380	1890	1894	1895	rBV2	179	114	0.01%	0.001%
53	7.434	1908	1911	1913	rBV2	117	68	0.01%	0.001%
54	7.479	1922	1925	1929	rBV	292	214	0.02%	0.002%
55	7.537	1929	1943	1968	rBV2	124392	236950	18.62%	2.454%
56	7.872	2034	2047	2084	rBV	549373	1022800	80.39%	10.594%
57	8.155	2125	2135	2161	rBV	78073	140076	11.01%	1.451%
58	8.380	2199	2205	2209	rBV2	533	535	0.04%	0.006%
59	8.463	2229	2231	2236	rVB	308	177	0.01%	0.002%
60	8.486	2236	2238	2239	rBV	172	82	0.01%	0.001%
61	8.614	2267	2278	2336	rBV2	207776	559766	44.00%	5.798%
62	9.061	2414	2417	2420	rVB	399	208	0.02%	0.002%
63	9.213	2462	2464	2466	rBV	153	103	0.01%	0.001%
64	9.393	2507	2520	2560	rBV	528488	965201	75.86%	9.998%
65	9.666	2598	2605	2606	rBV2	1141	909	0.07%	0.009%
66	9.740	2625	2628	2631	rBV2	354	219	0.02%	0.002%
67	9.756	2631	2633	2635	rVB	263	92	0.01%	0.001%
68	9.778	2635	2640	2643	rBV2	241	282	0.02%	0.003%
69	9.978	2699	2702	2709	rVB	321	326	0.03%	0.003%
70	10.020	2709	2715	2721	rBV2	344	544	0.04%	0.006%
71	10.087	2728	2736	2739	rBV3	951	1466	0.12%	0.015%
72	10.161	2756	2759	2761	rVB2	177	87	0.01%	0.001%
73	10.180	2761	2765	2770	rBV2	300	294	0.02%	0.003%
74	10.280	2792	2796	2801	rBV2	252	223	0.02%	0.002%
75	10.425	2838	2841	2842	rBV	144	85	0.01%	0.001%
76	10.627	2899	2904	2908	rVB4	763	822	0.06%	0.009%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063782.D
Acq On : 24 Nov 2025 17:03
Operator : MD/SY
Sample : Q3688-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	10.650	2908	2911	2913	rBV2	306	221	0.02%	0.002%
78	10.730	2923	2936	2960	rBV	379278	627897	49.35%	6.504%
79	10.917	2992	2994	2996	rBV	232	129	0.01%	0.001%
80	11.003	3018	3021	3023	rBV	329	231	0.02%	0.002%
81	11.032	3028	3030	3033	rVB2	267	155	0.01%	0.002%
82	11.055	3033	3037	3038	rBV	445	276	0.02%	0.003%
83	11.200	3079	3082	3084	rBV	229	155	0.01%	0.002%
84	11.283	3105	3108	3110	rBV2	321	239	0.02%	0.002%
85	11.450	3153	3160	3170	rVB3	1425	2503	0.20%	0.026%
86	11.511	3176	3179	3181	rBV2	206	137	0.01%	0.001%
87	11.659	3223	3225	3228	rBV2	222	130	0.01%	0.001%
88	11.730	3239	3247	3253	rBV4	1845	2716	0.21%	0.028%
89	11.788	3253	3265	3290	rBV	536908	918592	72.20%	9.515%
90	12.026	3337	3339	3343	rBV2	275	203	0.02%	0.002%
91	12.071	3351	3353	3357	rVB	354	182	0.01%	0.002%
92	12.093	3357	3360	3362	rBV	267	160	0.01%	0.002%
93	12.167	3370	3383	3406	rBV	514132	887440	69.75%	9.192%
94	12.460	3471	3474	3475	rBV2	155	78	0.01%	0.001%
95	12.473	3475	3478	3479	rBV2	424	240	0.02%	0.002%
96	12.592	3513	3515	3516	rBV	331	113	0.01%	0.001%
97	13.058	3658	3660	3662	rBV	324	125	0.01%	0.001%
98	13.203	3701	3705	3706	rBV2	971	714	0.06%	0.007%
99	13.482	3786	3792	3796	rBV3	412	599	0.05%	0.006%

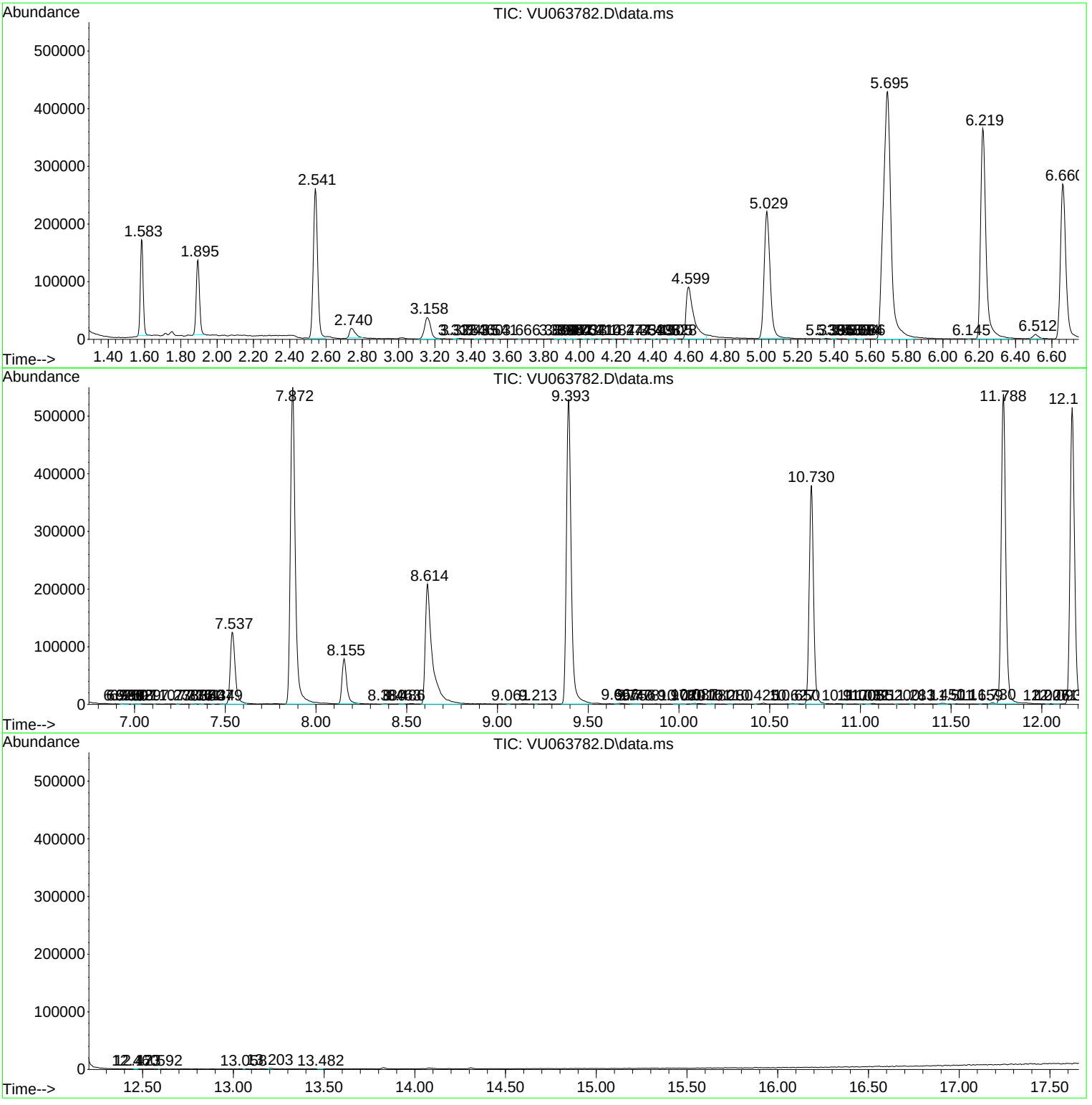
Sum of corrected areas: 9654111

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063782.D
Acq On : 24 Nov 2025 17:03
Operator : MD/SY
Sample : Q3688-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-29

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063782.D
Acq On : 24 Nov 2025 17:03
Operator : MD/SY
Sample : Q3688-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-29

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063782.D
Acq On : 24 Nov 2025 17:03
Operator : MD/SY
Sample : Q3688-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-29

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-13
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063767.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

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Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
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TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30I

Lab Name : Alliance Technical Group, LLC
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MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-13
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063767.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-30I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-13
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063767.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

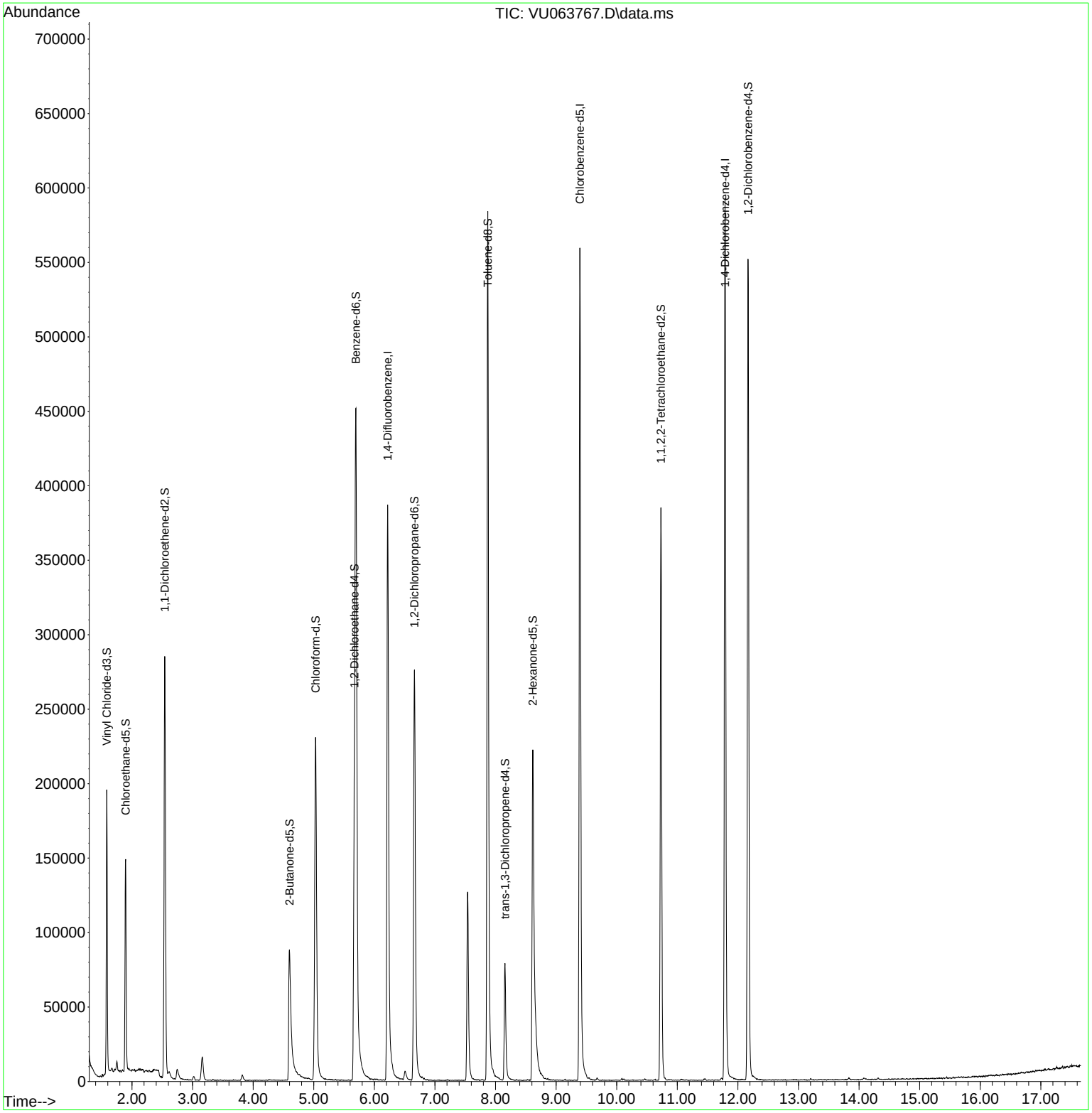
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063767.D
Acq On : 21 Nov 2025 14:08
Operator : MD/SY
Sample : Q3688-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-30I

Quant Time: Nov 21 22:30:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063767.D
Acq On : 21 Nov 2025 14:08
Operator : MD/SY
Sample : Q3688-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30I

Quant Time: Nov 21 22:30:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	339732	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	320479	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	159775	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	123876	42.225	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.440%			
7) Chloroethane-d5	1.895	69	100712	44.559	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.120%			
11) 1,1-Dichloroethene-d2	2.541	63	173515	34.121	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.240%			
21) 2-Butanone-d5	4.599	46	135794	81.193	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 81.190%			
24) Chloroform-d	5.030	84	217240	44.134	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.260%			
26) 1,2-Dichloroethane-d4	5.669	65	150711	46.563	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.120%			
32) Benzene-d6	5.695	84	442233	47.077	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.160%			
36) 1,2-Dichloropropane-d6	6.660	67	129470	46.948	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.900%			
41) Toluene-d8	7.872	98	401212	44.983	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.960%			
43) trans-1,3-Dichloroprop...	8.155	79	45845	40.228	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.460%			
47) 2-Hexanone-d5	8.615	63	85173	84.947	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 84.950%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	183719	45.555	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.120%			
66) 1,2-Dichlorobenzene-d4	12.168	152	148047	49.085	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.160%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063767.D
Acq On : 21 Nov 2025 14:08
Operator : MD/SY
Sample : Q3688-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063767.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	104	rBV	189605	210255	15.71%	2.083%
2	1.895	180	188	200	rBV	141509	183222	13.69%	1.815%
3	2.541	378	389	404	rBV	282295	463870	34.66%	4.596%
4	3.017	529	537	538	rBV4	2416	2687	0.20%	0.027%
5	3.107	562	565	567	rBV	274	175	0.01%	0.002%
6	3.161	567	582	601	rVV2	15652	37020	2.77%	0.367%
7	3.335	629	636	642	rBV4	789	935	0.07%	0.009%
8	3.364	642	645	648	rBV2	345	144	0.01%	0.001%
9	3.387	650	652	655	rVB	249	121	0.01%	0.001%
10	3.457	667	674	678	rBV2	463	549	0.04%	0.005%
11	3.560	701	706	710	rVB2	167	165	0.01%	0.002%
12	3.618	720	724	726	rBV	198	152	0.01%	0.002%
13	3.673	738	741	743	rBV2	406	195	0.01%	0.002%
14	3.760	765	768	770	rBV	162	120	0.01%	0.001%
15	3.821	778	787	803	rVB4	3802	8070	0.60%	0.080%
16	3.882	803	806	808	rBV2	271	164	0.01%	0.002%
17	3.920	816	818	821	rBV2	244	174	0.01%	0.002%
18	3.988	835	839	841	rBV	184	139	0.01%	0.001%
19	4.020	845	849	853	rVB	233	194	0.01%	0.002%
20	4.052	856	859	862	rBV	229	139	0.01%	0.001%
21	4.261	918	924	928	rBV2	604	661	0.05%	0.007%
22	4.502	994	999	1002	rBV2	240	215	0.02%	0.002%
23	4.599	1019	1029	1063	rBV	87510	256009	19.13%	2.536%
24	5.030	1149	1163	1203	rBV	229261	524808	39.21%	5.200%
25	5.287	1241	1243	1244	rBV	301	112	0.01%	0.001%
26	5.444	1290	1292	1293	rBV	312	126	0.01%	0.001%
27	5.505	1307	1311	1315	rBV2	191	145	0.01%	0.001%
28	5.550	1322	1325	1330	rBV2	183	184	0.01%	0.002%
29	5.573	1330	1332	1335	rBV	352	222	0.02%	0.002%
30	5.618	1343	1346	1350	rBV2	418	267	0.02%	0.003%
31	5.695	1350	1370	1421	rBV2	451394	1338480	100.00%	13.261%
32	6.219	1519	1533	1572	rBV	386517	807223	60.31%	7.998%
33	6.509	1613	1623	1643	rBV8	5590	13383	1.00%	0.133%
34	6.663	1657	1671	1700	rBV	275547	581450	43.44%	5.761%
35	6.943	1756	1758	1766	rVB3	322	317	0.02%	0.003%
36	6.981	1766	1770	1771	rBV2	235	149	0.01%	0.001%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063767.D
Acq On : 21 Nov 2025 14:08
Operator : MD/SY
Sample : Q3688-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.994	1772	1774	1779	rVB2	260	208	0.02%	0.002%
38	7.075	1797	1799	1802	rVV	278	164	0.01%	0.002%
39	7.091	1802	1804	1808	rVB2	238	147	0.01%	0.001%
40	7.113	1808	1811	1813	rBV2	185	94	0.01%	0.001%
41	7.184	1831	1833	1836	rBV	392	262	0.02%	0.003%
42	7.329	1873	1878	1881	rBV2	279	265	0.02%	0.003%
43	7.348	1881	1884	1887	rVB2	206	121	0.01%	0.001%
44	7.370	1889	1891	1893	rVB	257	110	0.01%	0.001%
45	7.386	1893	1896	1898	rBV	308	211	0.02%	0.002%
46	7.431	1907	1910	1912	rBV2	204	119	0.01%	0.001%
47	7.467	1917	1921	1923	rVB2	238	151	0.01%	0.001%
48	7.486	1923	1927	1928	rBV	129	94	0.01%	0.001%
49	7.541	1932	1944	1966	rBV	126496	239167	17.87%	2.370%
50	7.676	1984	1986	1990	rVB3	538	346	0.03%	0.003%
51	7.872	2034	2047	2084	rBV	583392	1086396	81.17%	10.764%
52	8.155	2125	2135	2164	rBV2	78133	143829	10.75%	1.425%
53	8.335	2189	2191	2193	rBV	192	101	0.01%	0.001%
54	8.348	2193	2195	2201	rVV2	590	381	0.03%	0.004%
55	8.399	2208	2211	2219	rBV2	347	337	0.03%	0.003%
56	8.464	2226	2231	2233	rBV2	393	273	0.02%	0.003%
57	8.531	2247	2252	2261	rVB5	649	879	0.07%	0.009%
58	8.566	2261	2263	2267	rBV2	565	289	0.02%	0.003%
59	8.615	2267	2278	2318	rBV2	222024	573610	42.86%	5.683%
60	8.994	2393	2396	2398	rVB	252	136	0.01%	0.001%
61	9.013	2398	2402	2404	rBV2	334	246	0.02%	0.002%
62	9.081	2422	2423	2429	rVB	249	159	0.01%	0.002%
63	9.107	2429	2431	2433	rBV	215	104	0.01%	0.001%
64	9.254	2474	2477	2479	rBV2	190	108	0.01%	0.001%
65	9.300	2486	2491	2496	rBV2	420	468	0.03%	0.005%
66	9.393	2505	2520	2561	rBV	559114	1025596	76.62%	10.161%
67	9.660	2598	2603	2604	rBV3	781	639	0.05%	0.006%
68	9.676	2605	2608	2620	rVB3	1747	2327	0.17%	0.023%
69	9.724	2620	2623	2626	rBV	211	146	0.01%	0.001%
70	9.759	2631	2634	2635	rBV2	405	170	0.01%	0.002%
71	9.827	2652	2655	2657	rBV	171	102	0.01%	0.001%
72	9.894	2673	2676	2678	rBV	233	136	0.01%	0.001%
73	9.923	2682	2685	2687	rBV	179	108	0.01%	0.001%
74	10.110	2740	2743	2744	rBV	560	362	0.03%	0.004%
75	10.226	2775	2779	2781	rBV	213	168	0.01%	0.002%
76	10.267	2790	2792	2796	rVB	365	215	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063767.D
Acq On : 21 Nov 2025 14:08
Operator : MD/SY
Sample : Q3688-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	10.287	2796	2798	2800	rBV	153	102	0.01%	0.001%
78	10.428	2838	2842	2845	rBV	409	281	0.02%	0.003%
79	10.463	2846	2853	2859	rVV4	961	1302	0.10%	0.013%
80	10.544	2874	2878	2881	rVB	260	209	0.02%	0.002%
81	10.563	2881	2884	2886	rBV2	350	239	0.02%	0.002%
82	10.618	2894	2901	2903	rBV2	521	569	0.04%	0.006%
83	10.730	2924	2936	2957	rBV	384374	643449	48.07%	6.375%
84	10.930	2996	2998	2999	rBV	202	95	0.01%	0.001%
85	11.065	3034	3040	3044	rBV3	731	807	0.06%	0.008%
86	11.145	3061	3065	3069	rBV	474	408	0.03%	0.004%
87	11.348	3125	3128	3130	rBV2	240	165	0.01%	0.002%
88	11.438	3153	3156	3158	rBV2	738	480	0.04%	0.005%
89	11.518	3179	3181	3183	rVV2	264	108	0.01%	0.001%
90	11.621	3210	3213	3222	rBV3	407	621	0.05%	0.006%
91	11.727	3239	3246	3247	rBV3	1324	1286	0.10%	0.013%
92	11.788	3253	3265	3289	rBV	591706	992931	74.18%	9.838%
93	12.168	3370	3383	3405	rBV	551103	936876	70.00%	9.282%
94	12.431	3463	3465	3468	rBV	332	177	0.01%	0.002%
95	12.666	3535	3538	3542	rBV	309	270	0.02%	0.003%
96	12.801	3577	3580	3584	rBV2	306	234	0.02%	0.002%
97	13.139	3682	3685	3688	rBV2	304	213	0.02%	0.002%
98	13.203	3701	3705	3710	rVB4	932	860	0.06%	0.009%
99	13.251	3717	3720	3723	rVB3	404	263	0.02%	0.003%
100	13.473	3786	3789	3790	rBV	382	229	0.02%	0.002%

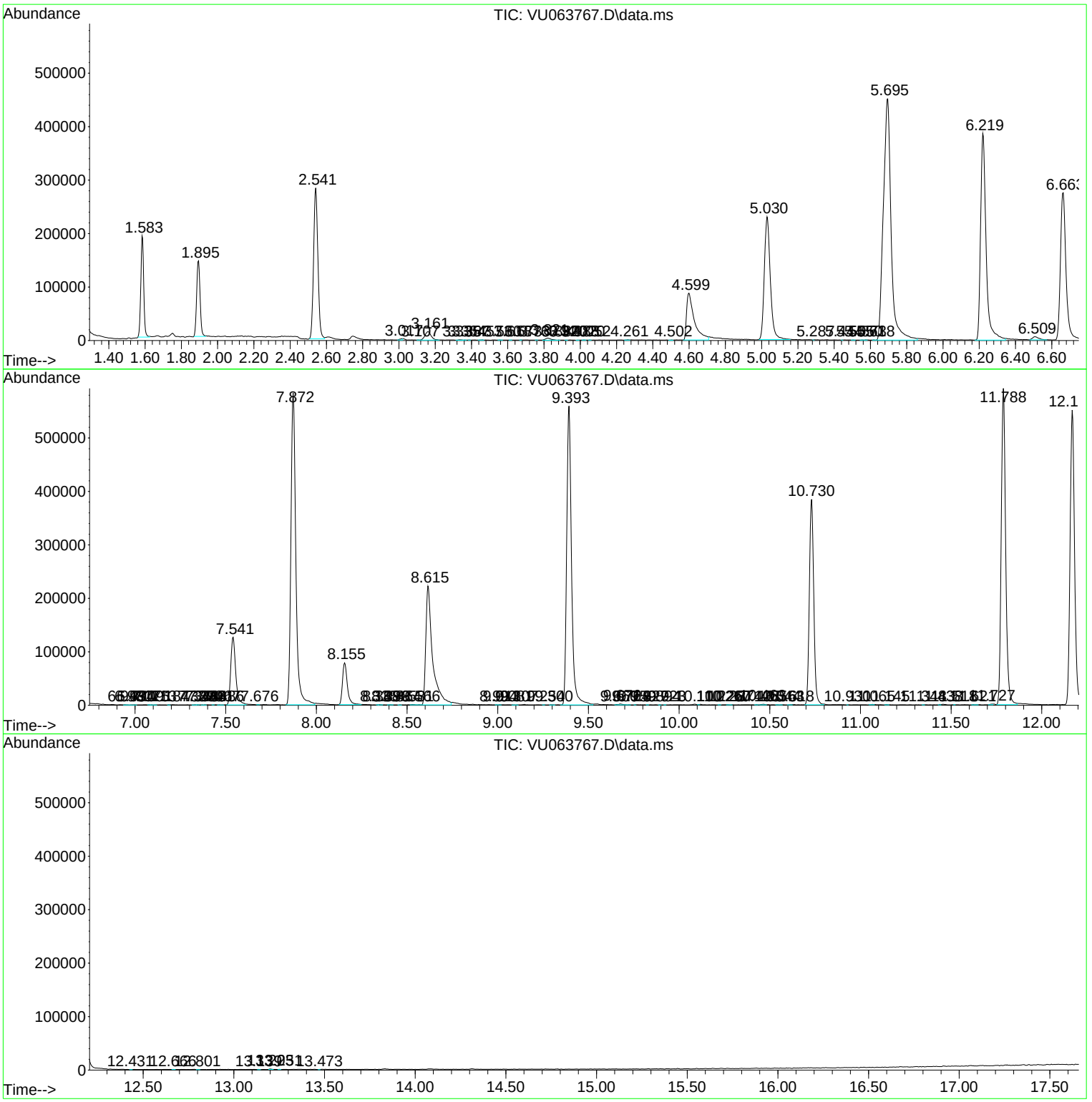
Sum of corrected areas: 10093159

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063767.D
Acq On : 21 Nov 2025 14:08
Operator : MD/SY
Sample : Q3688-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-30I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063767.D
Acq On : 21 Nov 2025 14:08
Operator : MD/SY
Sample : Q3688-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-30I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063767.D
Acq On : 21 Nov 2025 14:08
Operator : MD/SY
Sample : Q3688-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-12
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063766.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-12
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063766.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-12
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063766.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-30S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-12
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063766.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

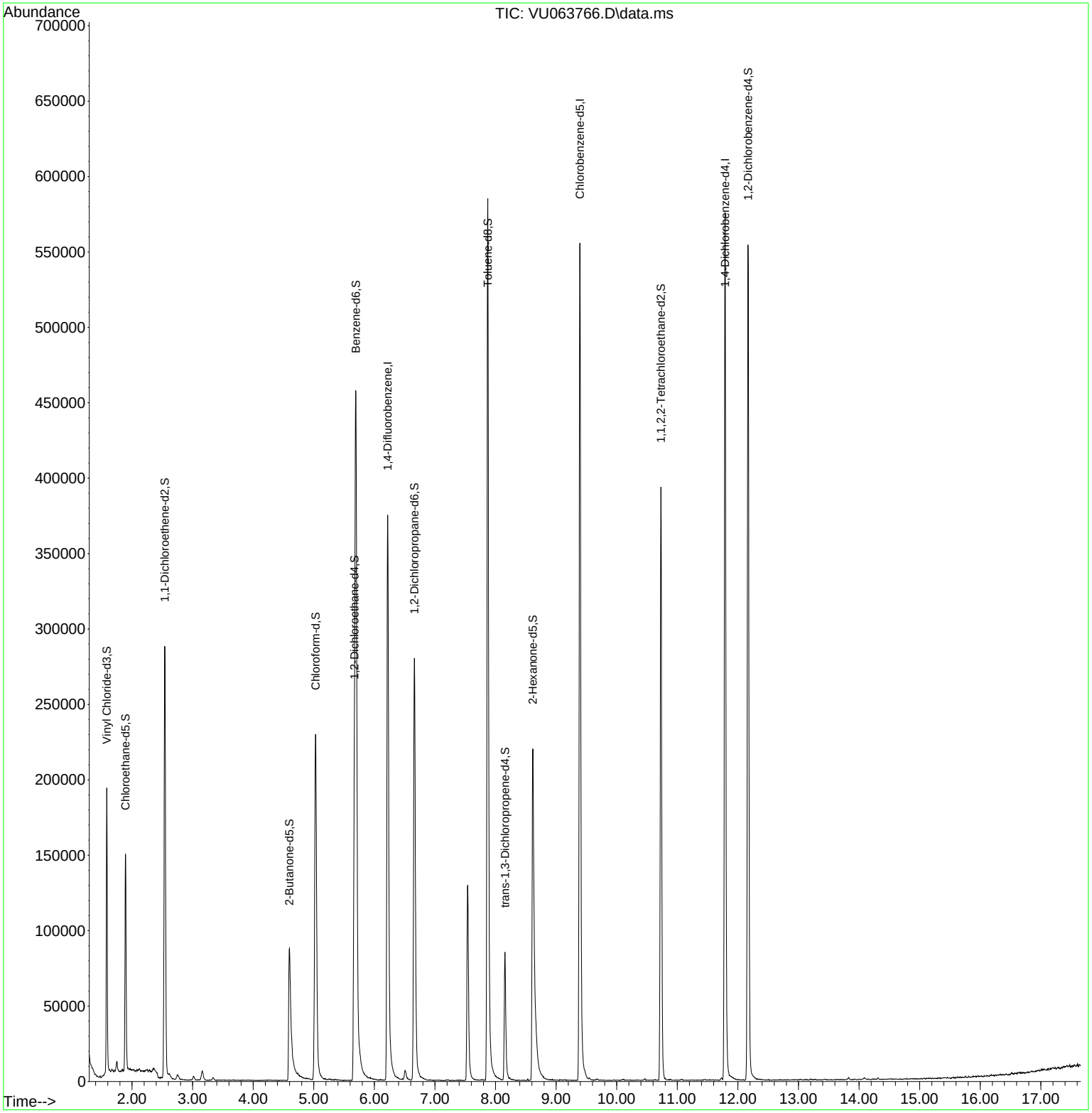
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063766.D
Acq On : 21 Nov 2025 13:44
Operator : MD/SY
Sample : Q3688-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-30S

Quant Time: Nov 21 22:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063766.D
Acq On : 21 Nov 2025 13:44
Operator : MD/SY
Sample : Q3688-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30S

Quant Time: Nov 21 22:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	324753	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	318000	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	156083	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	123291	43.964	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.920%			
7) Chloroethane-d5	1.891	69	102597	47.487	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.980%			
11) 1,1-Dichloroethene-d2	2.541	63	175162	36.034	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 72.060%			
21) 2-Butanone-d5	4.595	46	142351	89.039	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 89.040%			
24) Chloroform-d	5.029	84	222668	47.324	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.640%			
26) 1,2-Dichloroethane-d4	5.669	65	152953	49.435	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.880%			
32) Benzene-d6	5.695	84	443744	47.606	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.220%			
36) 1,2-Dichloropropane-d6	6.660	67	127551	46.613	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.220%			
41) Toluene-d8	7.872	98	411090	46.450	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.900%			
43) trans-1,3-Dichloroprop...	8.155	79	47156	41.701	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.400%			
47) 2-Hexanone-d5	8.615	63	86546	86.989	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 86.990%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	184777	46.175	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.340%			
66) 1,2-Dichlorobenzene-d4	12.167	152	147693	50.126	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.260%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063766.D
Acq On : 21 Nov 2025 13:44
Operator : MD/SY
Sample : Q3688-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063766.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	104	rBV	188067	204392	15.17%	2.016%
2	1.891	179	187	199	rBV	143266	187080	13.88%	1.845%
3	2.470	364	367	368	rBV	805	400	0.03%	0.004%
4	2.541	377	389	405	rBV	286080	471630	35.00%	4.652%
5	2.750	444	454	457	rBV3	3026	4275	0.32%	0.042%
6	3.013	530	536	549	rVB4	2490	4490	0.33%	0.044%
7	3.091	558	560	563	rBV2	447	247	0.02%	0.002%
8	3.158	569	581	603	rVB	6150	14871	1.10%	0.147%
9	3.284	614	620	623	rBV2	466	375	0.03%	0.004%
10	3.338	628	637	646	rBV6	1732	3125	0.23%	0.031%
11	3.406	652	658	660	rBV2	458	305	0.02%	0.003%
12	3.570	699	709	712	rVB2	192	261	0.02%	0.003%
13	3.647	729	733	735	rBV2	236	209	0.02%	0.002%
14	3.769	768	771	778	rVB2	242	276	0.02%	0.003%
15	3.804	778	782	788	rBV	382	397	0.03%	0.004%
16	3.911	810	815	817	rBV2	298	262	0.02%	0.003%
17	4.052	855	859	864	rVB	225	205	0.02%	0.002%
18	4.087	864	870	873	rVB2	333	343	0.03%	0.003%
19	4.222	908	912	916	rVB2	295	245	0.02%	0.002%
20	4.251	916	921	923	rBV	247	249	0.02%	0.002%
21	4.447	977	982	988	rBV2	303	369	0.03%	0.004%
22	4.599	1014	1029	1065	rBV	87492	257201	19.09%	2.537%
23	5.029	1147	1163	1204	rBV2	228917	535780	39.76%	5.285%
24	5.235	1224	1227	1230	rBV3	341	244	0.02%	0.002%
25	5.283	1241	1242	1246	rVB2	365	200	0.01%	0.002%
26	5.306	1246	1249	1251	rVB2	344	219	0.02%	0.002%
27	5.332	1253	1257	1260	rVB3	619	423	0.03%	0.004%
28	5.348	1260	1262	1265	rBV2	565	467	0.03%	0.005%
29	5.457	1293	1296	1301	rVB3	298	241	0.02%	0.002%
30	5.502	1307	1310	1315	rBV2	392	405	0.03%	0.004%
31	5.557	1322	1327	1330	rBV	229	202	0.01%	0.002%
32	5.611	1341	1344	1349	rVB	294	268	0.02%	0.003%
33	5.692	1349	1369	1412	rBV2	457480	1347657	100.00%	13.292%
34	6.097	1493	1495	1500	rBV2	525	413	0.03%	0.004%
35	6.219	1520	1533	1574	rBV	374657	788596	58.52%	7.778%
36	6.467	1607	1610	1612	rVB2	554	288	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063766.D
Acq On : 21 Nov 2025 13:44
Operator : MD/SY
Sample : Q3688-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.509	1612	1623	1636	rBV7	6056	13501	1.00%	0.133%
38	6.660	1656	1670	1701	rBV	279570	586425	43.51%	5.784%
39	6.917	1747	1750	1753	rVB3	462	250	0.02%	0.002%
40	7.039	1785	1788	1795	rBV2	253	300	0.02%	0.003%
41	7.074	1795	1799	1802	rBV	230	211	0.02%	0.002%
42	7.119	1808	1813	1818	rBV	366	373	0.03%	0.004%
43	7.171	1821	1829	1831	rBV	226	201	0.01%	0.002%
44	7.190	1831	1835	1839	rBV2	475	466	0.03%	0.005%
45	7.357	1884	1887	1891	rVV2	286	204	0.02%	0.002%
46	7.499	1924	1931	1932	rBV2	258	225	0.02%	0.002%
47	7.541	1932	1944	1977	rBV	129321	248070	18.41%	2.447%
48	7.766	2009	2014	2016	rBV3	395	311	0.02%	0.003%
49	7.872	2034	2047	2088	rBV	584643	1107133	82.15%	10.920%
50	8.155	2125	2135	2155	rBV	84563	151889	11.27%	1.498%
51	8.380	2200	2205	2208	rBV3	360	259	0.02%	0.003%
52	8.470	2229	2233	2238	rVB2	304	267	0.02%	0.003%
53	8.531	2247	2252	2255	rVB3	1077	734	0.05%	0.007%
54	8.615	2265	2278	2331	rBV3	219800	589468	43.74%	5.814%
55	8.942	2378	2380	2383	rVB	702	398	0.03%	0.004%
56	8.978	2387	2391	2396	rBV3	295	239	0.02%	0.002%
57	9.026	2404	2406	2413	rVB2	397	278	0.02%	0.003%
58	9.058	2413	2416	2417	rBV	540	209	0.02%	0.002%
59	9.148	2436	2444	2447	rBV3	469	471	0.03%	0.005%
60	9.184	2451	2455	2458	rBV2	373	313	0.02%	0.003%
61	9.261	2476	2479	2484	rBV2	382	293	0.02%	0.003%
62	9.309	2491	2494	2499	rVB	345	258	0.02%	0.003%
63	9.393	2507	2520	2558	rBV	555278	1015606	75.36%	10.017%
64	9.631	2590	2594	2598	rBV3	506	509	0.04%	0.005%
65	9.660	2599	2603	2605	rBV3	501	414	0.03%	0.004%
66	9.782	2638	2641	2646	rVV	200	207	0.02%	0.002%
67	9.807	2646	2649	2655	rVB2	209	223	0.02%	0.002%
68	9.955	2691	2695	2700	rVB2	371	382	0.03%	0.004%
69	10.074	2728	2732	2733	rBV	464	332	0.02%	0.003%
70	10.209	2771	2774	2777	rBV	296	206	0.02%	0.002%
71	10.344	2812	2816	2819	rBV	345	264	0.02%	0.003%
72	10.463	2846	2853	2859	rVB5	1156	1781	0.13%	0.018%
73	10.492	2859	2862	2863	rBV	327	218	0.02%	0.002%
74	10.618	2897	2901	2903	rBV2	448	358	0.03%	0.004%
75	10.634	2904	2906	2912	rVB2	526	371	0.03%	0.004%
76	10.730	2924	2936	2956	rBV	393351	648311	48.11%	6.395%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063766.D
Acq On : 21 Nov 2025 13:44
Operator : MD/SY
Sample : Q3688-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-30S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.068	3038	3041	3045	rVV3	793	748	0.06%	0.007%
78	11.087	3045	3047	3051	rVB	613	397	0.03%	0.004%
79	11.299	3106	3113	3116	rBV2	219	287	0.02%	0.003%
80	11.444	3154	3158	3161	rBV3	493	531	0.04%	0.005%
81	11.531	3182	3185	3188	rVB	467	271	0.02%	0.003%
82	11.730	3239	3247	3252	rBV4	1489	2116	0.16%	0.021%
83	11.788	3252	3265	3288	rBV	575021	978787	72.63%	9.654%
84	12.167	3368	3383	3410	rBV	553862	948200	70.36%	9.352%
85	12.322	3429	3431	3437	rVB3	488	349	0.03%	0.003%
86	12.907	3610	3613	3616	rBV2	317	226	0.02%	0.002%
87	12.994	3637	3640	3643	rBV2	539	398	0.03%	0.004%
88	13.013	3643	3646	3649	rVV2	345	275	0.02%	0.003%
89	13.106	3673	3675	3681	rVB2	520	489	0.04%	0.005%
90	13.196	3698	3703	3706	rBV2	667	633	0.05%	0.006%
91	13.241	3713	3717	3718	rBV	382	225	0.02%	0.002%
92	13.322	3739	3742	3745	rBV2	411	278	0.02%	0.003%
93	13.830	3895	3900	3907	rVB5	1418	1697	0.13%	0.017%
94	13.884	3914	3917	3923	rVB3	399	362	0.03%	0.004%
95	13.917	3923	3927	3930	rBV2	604	545	0.04%	0.005%
96	14.142	3995	3997	4000	rBV3	384	223	0.02%	0.002%
97	14.306	4044	4048	4057	rVB5	1034	1366	0.10%	0.013%
98	14.788	4196	4198	4203	rVB3	659	352	0.03%	0.003%
99	15.518	4423	4425	4427	rBV2	579	291	0.02%	0.003%
100	15.753	4496	4498	4507	rBV6	993	983	0.07%	0.010%

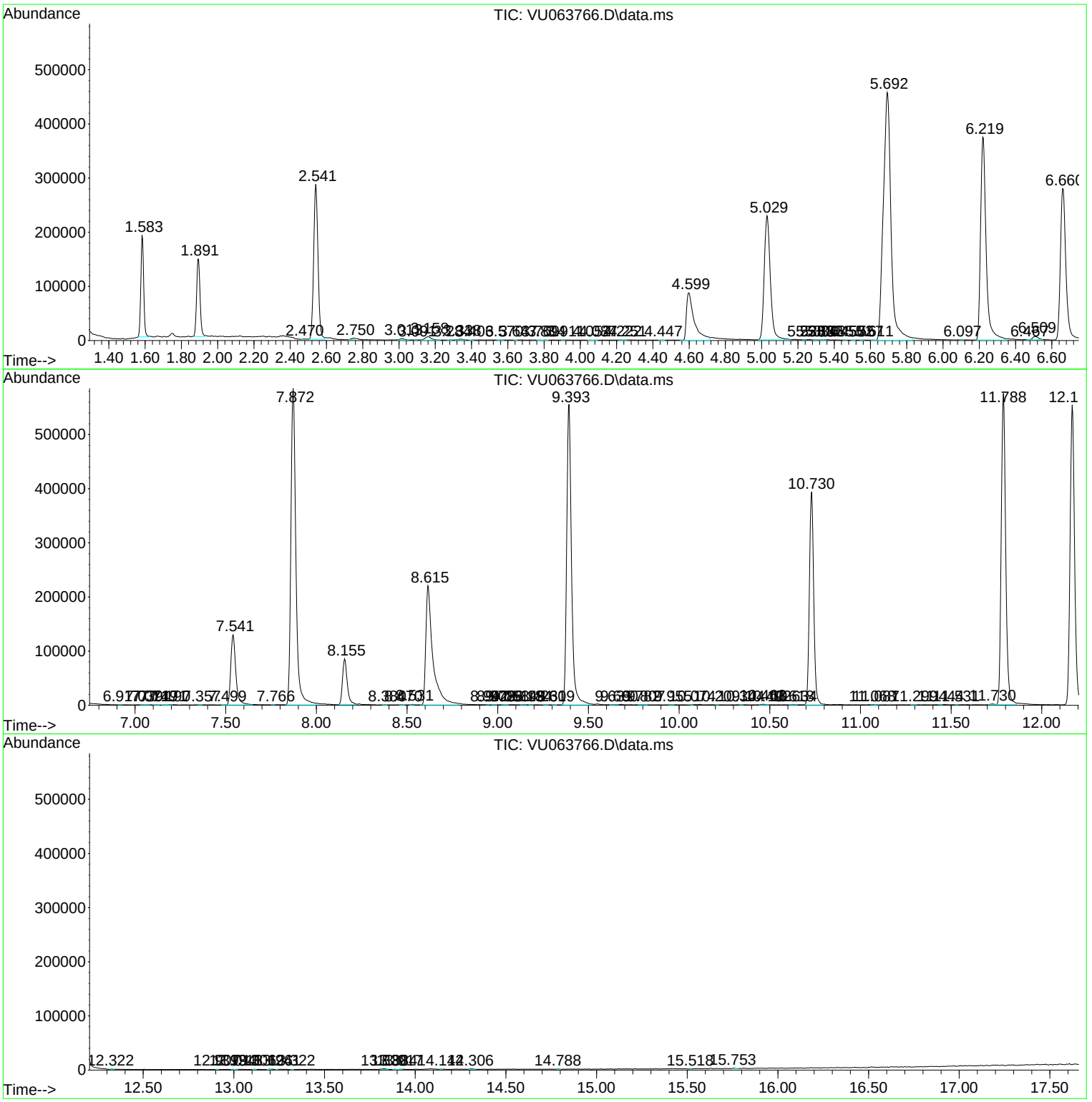
Sum of corrected areas: 10138567

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063766.D
Acq On : 21 Nov 2025 13:44
Operator : MD/SY
Sample : Q3688-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-30S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063766.D
Acq On : 21 Nov 2025 13:44
Operator : MD/SY
Sample : Q3688-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-30S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063766.D
Acq On : 21 Nov 2025 13:44
Operator : MD/SY
Sample : Q3688-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-30S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-09
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063764.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-09
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063764.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-09
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063764.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-31I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-09
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063764.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

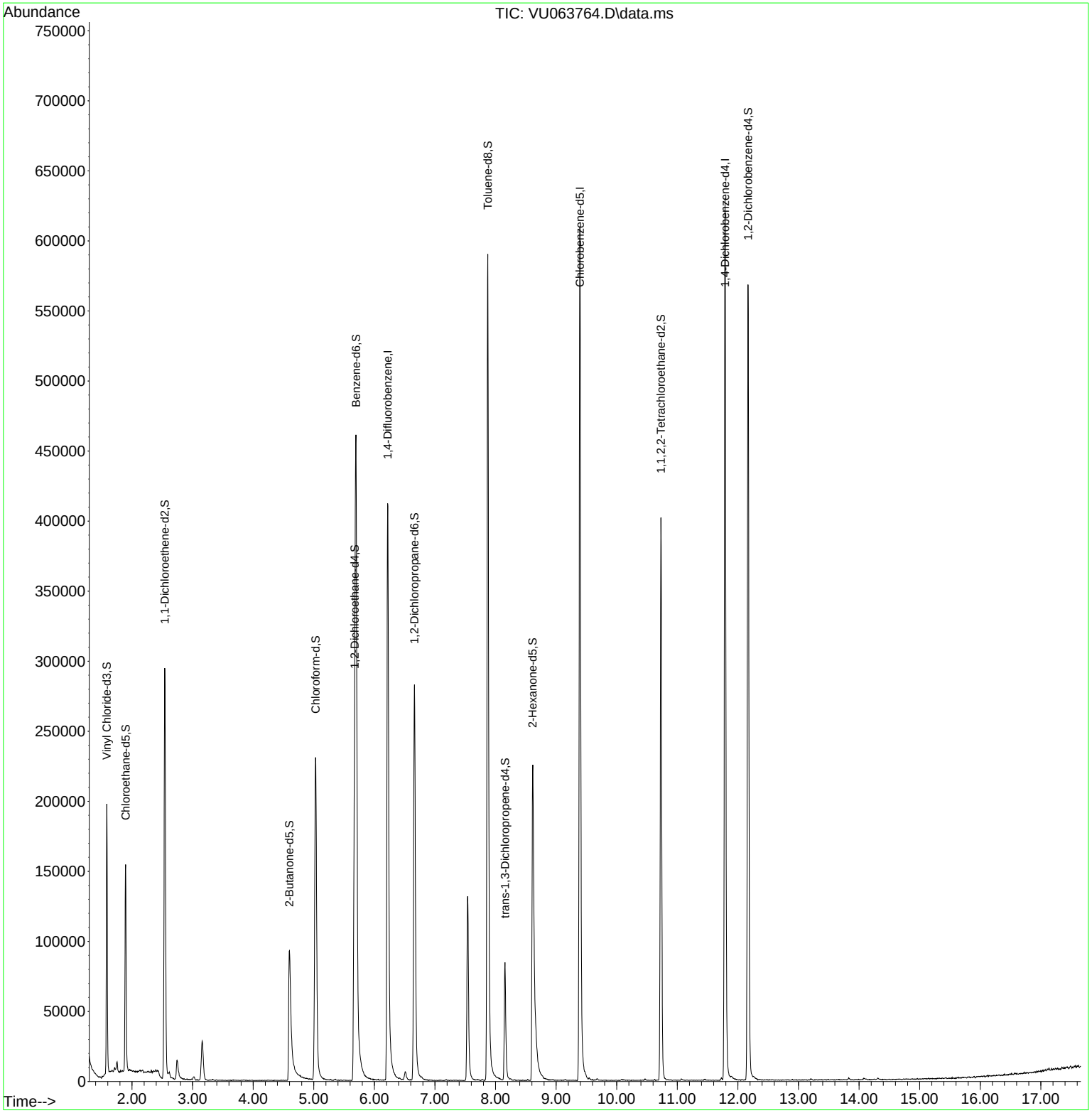
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063764.D
Acq On : 21 Nov 2025 12:55
Operator : MD/SY
Sample : Q3688-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31I

Quant Time: Nov 21 22:30:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063764.D
Acq On : 21 Nov 2025 12:55
Operator : MD/SY
Sample : Q3688-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31I

Quant Time: Nov 21 22:30:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	364294	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	348826	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	169657	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	128877	40.968	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.940%			
7) Chloroethane-d5	1.894	69	105187	43.401	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.800%			
11) 1,1-Dichloroethene-d2	2.541	63	176227	32.318	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 64.640%			
21) 2-Butanone-d5	4.595	46	143007	79.740	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 79.740%			
24) Chloroform-d	5.029	84	222275	42.113	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.220%			
26) 1,2-Dichloroethane-d4	5.672	65	151817	43.742	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.480%			
32) Benzene-d6	5.698	84	452965	44.301	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.600%			
36) 1,2-Dichloropropane-d6	6.660	67	133758	44.561	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 89.120%			
41) Toluene-d8	7.872	98	411885	42.427	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 84.860%			
43) trans-1,3-Dichloroprop...	8.155	79	47547	38.331	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.660%			
47) 2-Hexanone-d5	8.611	63	89240	81.770	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 81.770%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	190494	43.397	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 86.800%			
66) 1,2-Dichlorobenzene-d4	12.167	152	150328	46.938	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.880%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063764.D
Acq On : 21 Nov 2025 12:55
Operator : MD/SY
Sample : Q3688-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063764.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	85	91	103	rVB	191134	208526	15.27%	1.980%
2	1.894	180	188	202	rVB	147088	189742	13.90%	1.802%
3	2.541	377	389	406	rBV	292774	483149	35.38%	4.588%
4	2.743	445	452	472	rVB2	12692	26341	1.93%	0.250%
5	3.023	531	539	549	rVB6	2453	4858	0.36%	0.046%
6	3.084	556	558	562	rVB	422	201	0.01%	0.002%
7	3.158	567	581	597	rBV2	27761	65333	4.78%	0.620%
8	3.251	609	610	614	rVB2	200	112	0.01%	0.001%
9	3.274	614	617	621	rBV	363	323	0.02%	0.003%
10	3.390	649	653	657	rBV	502	499	0.04%	0.005%
11	3.486	681	683	687	rBV	276	159	0.01%	0.002%
12	3.544	698	701	707	rVB	270	232	0.02%	0.002%
13	3.566	707	708	709	rBV	125	35	0.00%	0.000%
14	3.586	711	714	718	rVB2	262	219	0.02%	0.002%
15	3.621	718	725	729	rVB2	368	397	0.03%	0.004%
16	3.640	729	731	733	rVB	201	87	0.01%	0.001%
17	3.656	733	736	738	rBV2	382	274	0.02%	0.003%
18	3.804	777	782	786	rBV2	278	255	0.02%	0.002%
19	3.936	819	823	826	rBV	394	286	0.02%	0.003%
20	3.956	826	829	831	rBV	126	83	0.01%	0.001%
21	4.017	846	848	850	rBV	72	32	0.00%	0.000%
22	4.033	850	853	857	rVB2	185	145	0.01%	0.001%
23	4.055	857	860	862	rBV2	161	100	0.01%	0.001%
24	4.068	862	864	866	rBB	98	38	0.00%	0.000%
25	4.084	866	869	872	rBV2	99	70	0.01%	0.001%
26	4.100	872	874	876	rBV	140	56	0.00%	0.001%
27	4.145	884	888	889	rBV	267	163	0.01%	0.002%
28	4.187	897	901	904	rBV	222	196	0.01%	0.002%
29	4.238	914	917	925	rBV2	320	441	0.03%	0.004%
30	4.335	945	947	949	rBV2	90	40	0.00%	0.000%
31	4.345	949	950	951	rBV	158	34	0.00%	0.000%
32	4.361	951	955	958	rBV2	261	195	0.01%	0.002%
33	4.464	985	987	991	rBV	258	165	0.01%	0.002%
34	4.499	996	998	1005	rVB2	279	175	0.01%	0.002%
35	4.531	1005	1008	1011	rBV	185	150	0.01%	0.001%
36	4.599	1019	1029	1083	rBV	92368	287389	21.05%	2.729%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063764.D
Acq On : 21 Nov 2025 12:55
Operator : MD/SY
Sample : Q3688-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	5.029	1149	1163	1198	rBV	229463	532118	38.97%	5.053%
38	5.332	1253	1257	1259	rBV2	452	393	0.03%	0.004%
39	5.428	1285	1287	1289	rBV2	180	120	0.01%	0.001%
40	5.444	1289	1292	1301	rVB2	424	498	0.04%	0.005%
41	5.496	1303	1308	1312	rBV2	338	339	0.02%	0.003%
42	5.541	1319	1322	1323	rBV	177	107	0.01%	0.001%
43	5.579	1331	1334	1337	rBV	187	110	0.01%	0.001%
44	5.695	1349	1370	1415	rBV2	460804	1365531	100.00%	12.968%
45	5.988	1458	1461	1463	rBV	582	291	0.02%	0.003%
46	6.219	1522	1533	1570	rBV	411382	860947	63.05%	8.176%
47	6.508	1614	1623	1640	rVB9	5577	12039	0.88%	0.114%
48	6.592	1647	1649	1653	rVB2	553	286	0.02%	0.003%
49	6.663	1657	1671	1699	rBV	282180	586570	42.96%	5.570%
50	7.020	1779	1782	1783	rBV	143	84	0.01%	0.001%
51	7.052	1788	1792	1793	rBV	177	108	0.01%	0.001%
52	7.074	1797	1799	1801	rBV	181	110	0.01%	0.001%
53	7.152	1821	1823	1825	rBV	69	36	0.00%	0.000%
54	7.171	1825	1829	1831	rBV2	426	309	0.02%	0.003%
55	7.209	1840	1841	1843	rBV	207	96	0.01%	0.001%
56	7.248	1850	1853	1856	rBV	355	253	0.02%	0.002%
57	7.296	1863	1868	1870	rBV2	244	209	0.02%	0.002%
58	7.344	1881	1883	1887	rBV2	224	192	0.01%	0.002%
59	7.389	1894	1897	1898	rBV	209	119	0.01%	0.001%
60	7.479	1921	1925	1927	rBV2	156	102	0.01%	0.001%
61	7.541	1931	1944	1971	rVV2	131311	249943	18.30%	2.374%
62	7.785	2010	2020	2026	rBV3	870	1541	0.11%	0.015%
63	7.872	2031	2047	2080	rBV	589819	1110742	81.34%	10.548%
64	8.155	2125	2135	2158	rBV	83693	148670	10.89%	1.412%
65	8.412	2212	2215	2220	rBV2	303	228	0.02%	0.002%
66	8.434	2220	2222	2223	rBV2	304	112	0.01%	0.001%
67	8.467	2228	2232	2236	rVB2	322	286	0.02%	0.003%
68	8.489	2236	2239	2241	rBV	222	141	0.01%	0.001%
69	8.518	2246	2248	2249	rBV	274	110	0.01%	0.001%
70	8.531	2249	2252	2255	rVB	591	351	0.03%	0.003%
71	8.614	2266	2278	2334	rBV3	225190	602070	44.09%	5.718%
72	8.981	2389	2392	2394	rBV2	333	153	0.01%	0.001%
73	9.010	2399	2401	2404	rVB2	327	190	0.01%	0.002%
74	9.097	2426	2428	2431	rBV	213	139	0.01%	0.001%
75	9.322	2497	2498	2499	rBV	144	47	0.00%	0.000%
76	9.393	2506	2520	2544	rBV	609554	1097336	80.36%	10.421%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063764.D
Acq On : 21 Nov 2025 12:55
Operator : MD/SY
Sample : Q3688-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	9.630	2592	2594	2595	rBV2	423	185	0.01%	0.002%
78	9.679	2602	2609	2616	rBV5	968	1526	0.11%	0.014%
79	9.749	2629	2631	2636	rVB2	383	257	0.02%	0.002%
80	9.785	2636	2642	2645	rBV2	268	303	0.02%	0.003%
81	9.804	2646	2648	2653	rVB2	339	254	0.02%	0.002%
82	9.910	2678	2681	2686	rBV2	264	213	0.02%	0.002%
83	10.036	2716	2720	2725	rVB2	373	254	0.02%	0.002%
84	10.068	2725	2730	2731	rBV2	380	288	0.02%	0.003%
85	10.106	2740	2742	2745	rBV2	386	167	0.01%	0.002%
86	10.151	2753	2756	2757	rBV	303	130	0.01%	0.001%
87	10.241	2782	2784	2785	rBV	199	75	0.01%	0.001%
88	10.286	2796	2798	2801	rVB	205	102	0.01%	0.001%
89	10.457	2847	2851	2852	rBV	783	475	0.03%	0.005%
90	10.627	2898	2904	2907	rBV5	702	648	0.05%	0.006%
91	10.730	2924	2936	2957	rBV	401418	658328	48.21%	6.252%
92	11.065	3035	3040	3047	rBV3	1009	1496	0.11%	0.014%
93	11.135	3060	3062	3064	rBV2	174	85	0.01%	0.001%
94	11.444	3154	3158	3159	rBV2	769	562	0.04%	0.005%
95	11.727	3240	3246	3253	rBV4	1765	2492	0.18%	0.024%
96	11.788	3253	3265	3287	rBV	628822	1056983	77.40%	10.038%
97	12.167	3371	3383	3407	rBV	567324	961062	70.38%	9.127%
98	12.434	3463	3466	3470	rBV3	387	350	0.03%	0.003%
99	12.730	3556	3558	3559	rBV	359	151	0.01%	0.001%
100	14.183	4009	4010	4014	rBV2	392	290	0.02%	0.003%

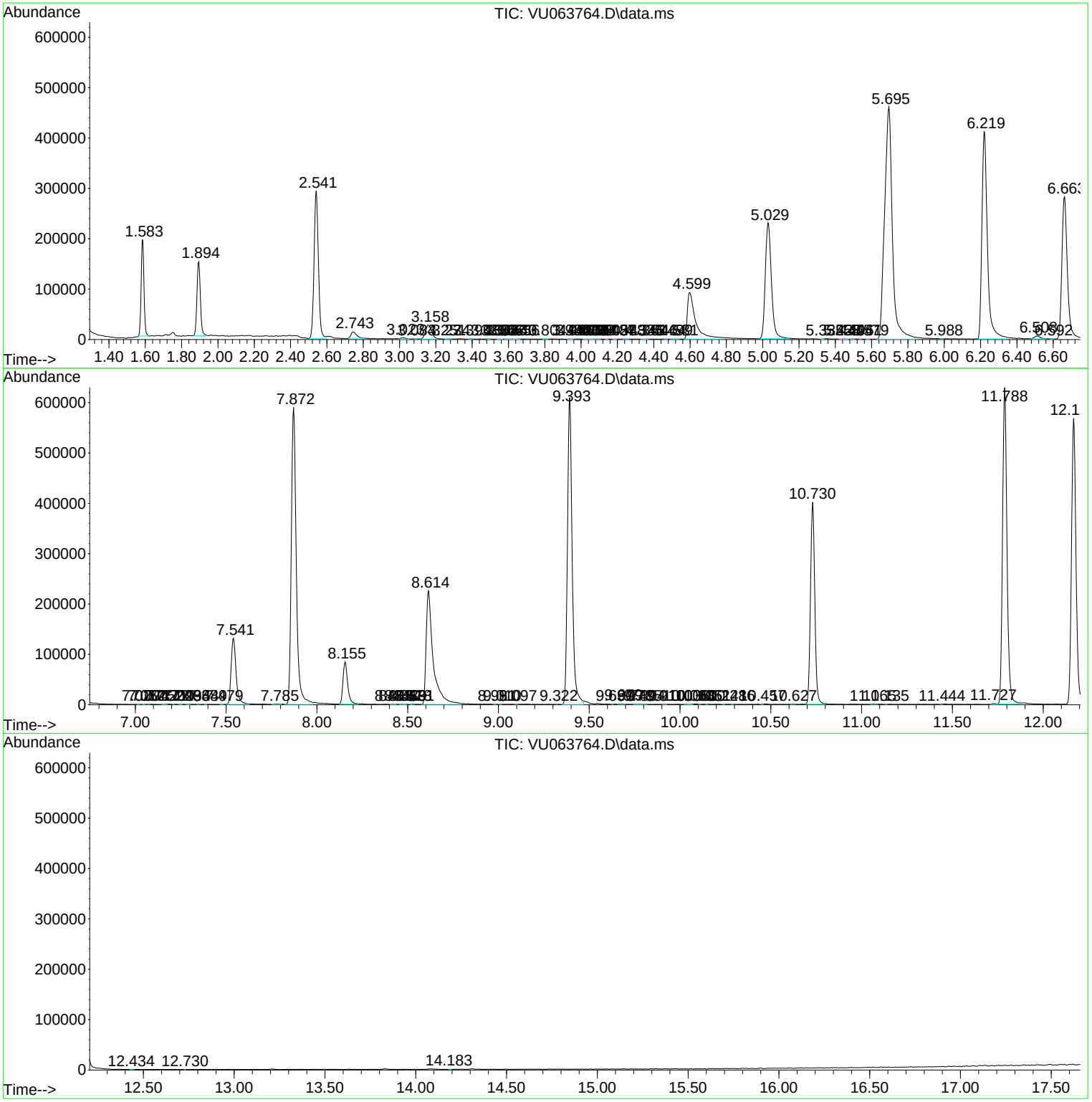
Sum of corrected areas: 10530202

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063764.D
Acq On : 21 Nov 2025 12:55
Operator : MD/SY
Sample : Q3688-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-31I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063764.D
Acq On : 21 Nov 2025 12:55
Operator : MD/SY
Sample : Q3688-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-31I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063764.D
Acq On : 21 Nov 2025 12:55
Operator : MD/SY
Sample : Q3688-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063763.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063763.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063763.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-31S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063763.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

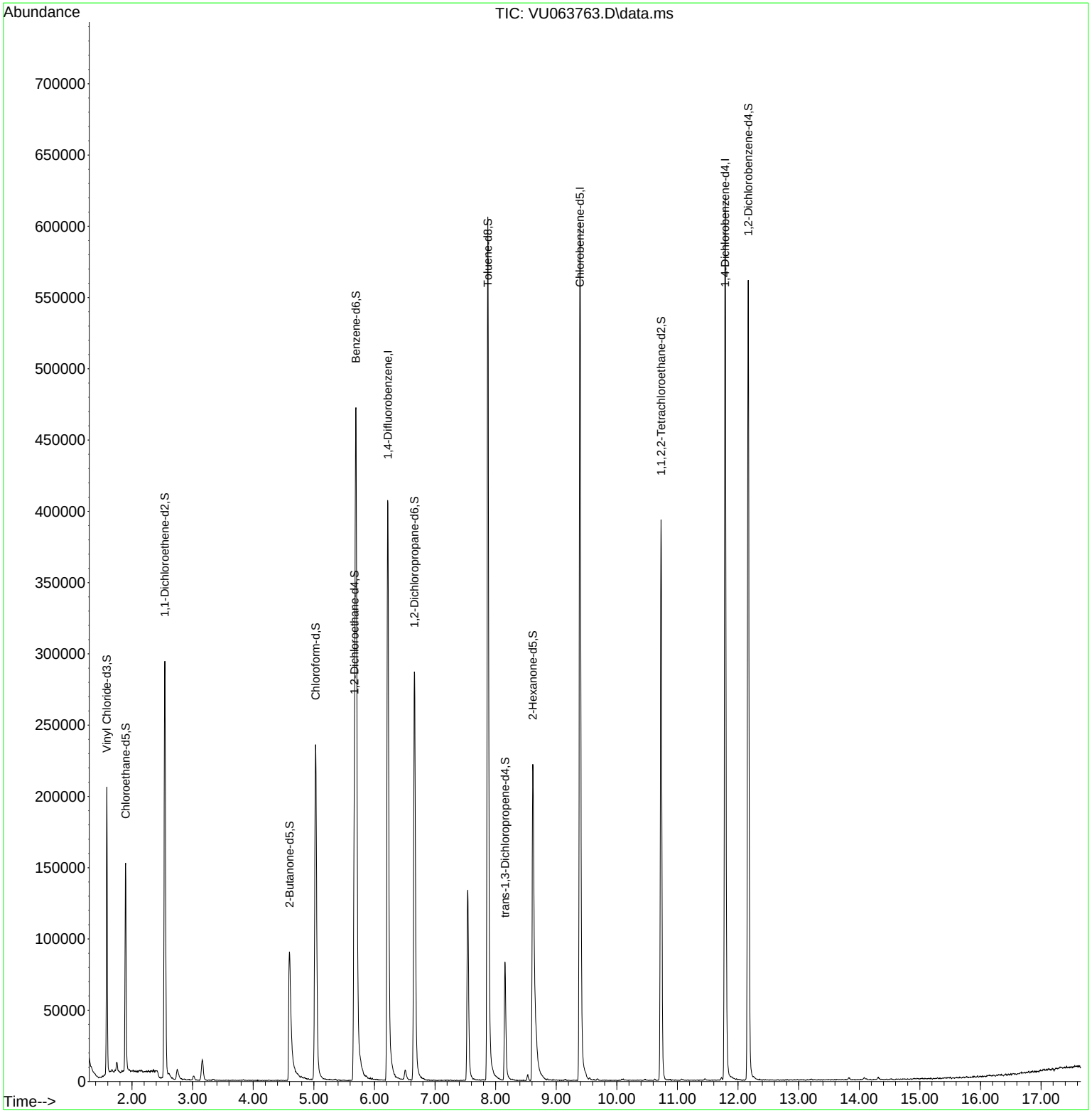
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063763.D
Acq On : 21 Nov 2025 12:31
Operator : MD/SY
Sample : Q3688-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-31S

Quant Time: Nov 21 22:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063763.D
Acq On : 21 Nov 2025 12:31
Operator : MD/SY
Sample : Q3688-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31S

Quant Time: Nov 21 22:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	358146	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.392	117	342594	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	165349	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.582	65	128022	41.395	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 82.780%			
7) Chloroethane-d5	1.894	69	104325	43.784	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.560%			
11) 1,1-Dichloroethene-d2	2.541	63	178017	33.207	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.420%			
21) 2-Butanone-d5	4.598	46	141643	80.336	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 80.340%			
24) Chloroform-d	5.029	84	229248	44.179	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.360%			
26) 1,2-Dichloroethane-d4	5.669	65	156951	45.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.000%			
32) Benzene-d6	5.695	84	449208	44.733	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.460%			
36) 1,2-Dichloropropane-d6	6.659	67	136361	46.255	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 92.500%			
41) Toluene-d8	7.872	98	415320	43.559	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.120%			
43) trans-1,3-Dichloroprop...	8.155	79	46001	37.759	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.520%			
47) 2-Hexanone-d5	8.614	63	86933	81.105	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 81.110%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	190470	44.180	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 88.360%			
66) 1,2-Dichlorobenzene-d4	12.167	152	147506	47.257	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.520%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063763.D
Acq On : 21 Nov 2025 12:31
Operator : MD/SY
Sample : Q3688-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063763.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	84	92	106	rBV	200914	216456	15.76%	2.059%
2	1.894	179	188	200	rBV	145650	189934	13.83%	1.807%
3	2.541	377	389	406	rBV	292211	484482	35.28%	4.609%
4	2.746	444	453	471	rBV2	6704	15708	1.14%	0.149%
5	3.017	530	537	549	rVB4	2909	5617	0.41%	0.053%
6	3.107	560	565	567	rBV2	322	272	0.02%	0.003%
7	3.158	567	581	602	rBV2	14514	33544	2.44%	0.319%
8	3.258	607	612	613	rBV	302	242	0.02%	0.002%
9	3.290	617	622	626	rVB2	313	294	0.02%	0.003%
10	3.328	631	634	635	rBV2	802	514	0.04%	0.005%
11	3.637	725	730	734	rBV2	219	245	0.02%	0.002%
12	3.840	788	793	796	rBV2	449	400	0.03%	0.004%
13	3.984	834	838	841	rBV	299	238	0.02%	0.002%
14	4.029	848	852	855	rBV2	232	229	0.02%	0.002%
15	4.087	867	870	874	rBV2	255	296	0.02%	0.003%
16	4.152	884	890	896	rBV2	288	375	0.03%	0.004%
17	4.184	896	900	907	rBV	281	319	0.02%	0.003%
18	4.254	918	922	926	rBV2	318	259	0.02%	0.002%
19	4.370	953	958	963	rBV2	184	227	0.02%	0.002%
20	4.418	970	973	978	rVB2	305	274	0.02%	0.003%
21	4.460	978	986	992	rBV	275	417	0.03%	0.004%
22	4.499	995	998	1004	rVB2	262	233	0.02%	0.002%
23	4.598	1018	1029	1061	rBV2	90239	264332	19.25%	2.515%
24	4.955	1137	1140	1144	rVB2	643	440	0.03%	0.004%
25	5.029	1146	1163	1202	rVV	235152	551174	40.14%	5.243%
26	5.261	1232	1235	1237	rBV	421	237	0.02%	0.002%
27	5.360	1264	1266	1276	rVB4	939	1010	0.07%	0.010%
28	5.473	1296	1301	1303	rBV2	341	258	0.02%	0.002%
29	5.695	1348	1370	1410	rBV2	472073	1373156	100.00%	13.062%
30	6.058	1481	1483	1488	rVB3	446	311	0.02%	0.003%
31	6.081	1488	1490	1495	rBV3	284	242	0.02%	0.002%
32	6.164	1514	1516	1521	rVB	349	299	0.02%	0.003%
33	6.219	1521	1533	1568	rBV	406999	850319	61.92%	8.089%
34	6.508	1613	1623	1641	rVB5	6899	16275	1.19%	0.155%
35	6.659	1655	1670	1704	rBV	286567	604079	43.99%	5.746%
36	6.901	1742	1745	1748	rVB	538	396	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063763.D
Acq On : 21 Nov 2025 12:31
Operator : MD/SY
Sample : Q3688-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.971	1763	1767	1770	rBV2	457	412	0.03%	0.004%
38	7.110	1807	1810	1812	rBV	368	221	0.02%	0.002%
39	7.254	1849	1855	1856	rBV2	293	255	0.02%	0.002%
40	7.280	1860	1863	1868	rVB	337	255	0.02%	0.002%
41	7.315	1868	1874	1878	rBV2	364	344	0.03%	0.003%
42	7.354	1882	1886	1888	rBV	398	288	0.02%	0.003%
43	7.473	1919	1923	1928	rBV	338	353	0.03%	0.003%
44	7.540	1932	1944	1970	rBV	133389	254149	18.51%	2.418%
45	7.733	2002	2004	2008	rVB2	559	352	0.03%	0.003%
46	7.762	2008	2013	2015	rBV3	334	221	0.02%	0.002%
47	7.782	2015	2019	2021	rBV2	335	223	0.02%	0.002%
48	7.872	2034	2047	2079	rBV	605785	1118265	81.44%	10.638%
49	8.155	2125	2135	2164	rBV2	82891	153570	11.18%	1.461%
50	8.531	2244	2252	2263	rVB6	4192	6270	0.46%	0.060%
51	8.614	2266	2278	2320	rBV3	221892	586999	42.75%	5.584%
52	8.827	2342	2344	2349	rVB4	836	628	0.05%	0.006%
53	8.856	2349	2353	2361	rVB4	895	1035	0.08%	0.010%
54	8.897	2362	2366	2367	rBV2	296	236	0.02%	0.002%
55	9.116	2429	2434	2437	rVB2	303	232	0.02%	0.002%
56	9.142	2437	2442	2445	rBV3	792	826	0.06%	0.008%
57	9.257	2474	2478	2481	rBV	314	296	0.02%	0.003%
58	9.392	2508	2520	2563	rBV	602148	1086771	79.14%	10.338%
59	9.621	2588	2591	2593	rBV3	458	270	0.02%	0.003%
60	9.675	2602	2608	2610	rBV2	951	962	0.07%	0.009%
61	9.769	2631	2637	2638	rBV	304	261	0.02%	0.002%
62	9.798	2642	2646	2648	rVV2	289	276	0.02%	0.003%
63	10.036	2715	2720	2725	rBV2	444	353	0.03%	0.003%
64	10.081	2726	2734	2735	rBV2	879	759	0.06%	0.007%
65	10.203	2769	2772	2775	rBV2	291	246	0.02%	0.002%
66	10.283	2793	2797	2801	rBV2	305	236	0.02%	0.002%
67	10.444	2840	2847	2848	rBV	237	235	0.02%	0.002%
68	10.460	2848	2852	2854	rBV4	677	467	0.03%	0.004%
69	10.624	2898	2903	2911	rVB5	914	1166	0.08%	0.011%
70	10.730	2923	2936	2957	rBV	393257	659886	48.06%	6.277%
71	10.888	2983	2985	2990	rVB3	723	395	0.03%	0.004%
72	10.917	2990	2994	2998	rBV3	413	412	0.03%	0.004%
73	11.068	3035	3041	3046	rBV2	832	1142	0.08%	0.011%
74	11.164	3067	3071	3076	rBV	346	349	0.03%	0.003%
75	11.280	3103	3107	3112	rVB2	312	295	0.02%	0.003%
76	11.309	3112	3116	3118	rBV	253	228	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063763.D
Acq On : 21 Nov 2025 12:31
Operator : MD/SY
Sample : Q3688-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.360	3130	3132	3135	rBV2	387	247	0.02%	0.002%
78	11.453	3156	3161	3168	rVB2	1010	1347	0.10%	0.013%
79	11.730	3239	3247	3252	rBV6	1830	2382	0.17%	0.023%
80	11.788	3252	3265	3293	rBV	618062	1045729	76.16%	9.948%
81	12.087	3356	3358	3363	rVB3	348	258	0.02%	0.002%
82	12.167	3363	3383	3408	rBV	561373	958495	69.80%	9.118%
83	12.357	3439	3442	3445	rBV2	611	342	0.02%	0.003%
84	12.418	3455	3461	3467	rBV2	644	936	0.07%	0.009%
85	12.450	3467	3471	3474	rBV3	493	390	0.03%	0.004%
86	12.781	3571	3574	3577	rBV2	390	267	0.02%	0.003%
87	12.807	3578	3582	3587	rBV	540	587	0.04%	0.006%
88	12.855	3592	3597	3599	rBV2	411	385	0.03%	0.004%
89	12.981	3633	3636	3640	rVB3	528	430	0.03%	0.004%
90	13.138	3679	3685	3686	rBV	525	433	0.03%	0.004%
91	13.325	3740	3743	3746	rBV2	427	351	0.03%	0.003%
92	13.367	3753	3756	3759	rBV	338	255	0.02%	0.002%
93	13.408	3766	3769	3775	rBV3	452	530	0.04%	0.005%
94	13.498	3794	3797	3800	rBV2	410	323	0.02%	0.003%
95	13.592	3821	3826	3829	rBV3	446	396	0.03%	0.004%
96	13.826	3894	3899	3901	rBV4	1260	1127	0.08%	0.011%
97	14.215	4017	4020	4024	rBV2	307	235	0.02%	0.002%
98	14.315	4043	4051	4055	rBV4	1654	2220	0.16%	0.021%
99	15.084	4286	4290	4293	rBV3	684	617	0.04%	0.006%
100	15.447	4400	4403	4406	rBV3	880	686	0.05%	0.007%

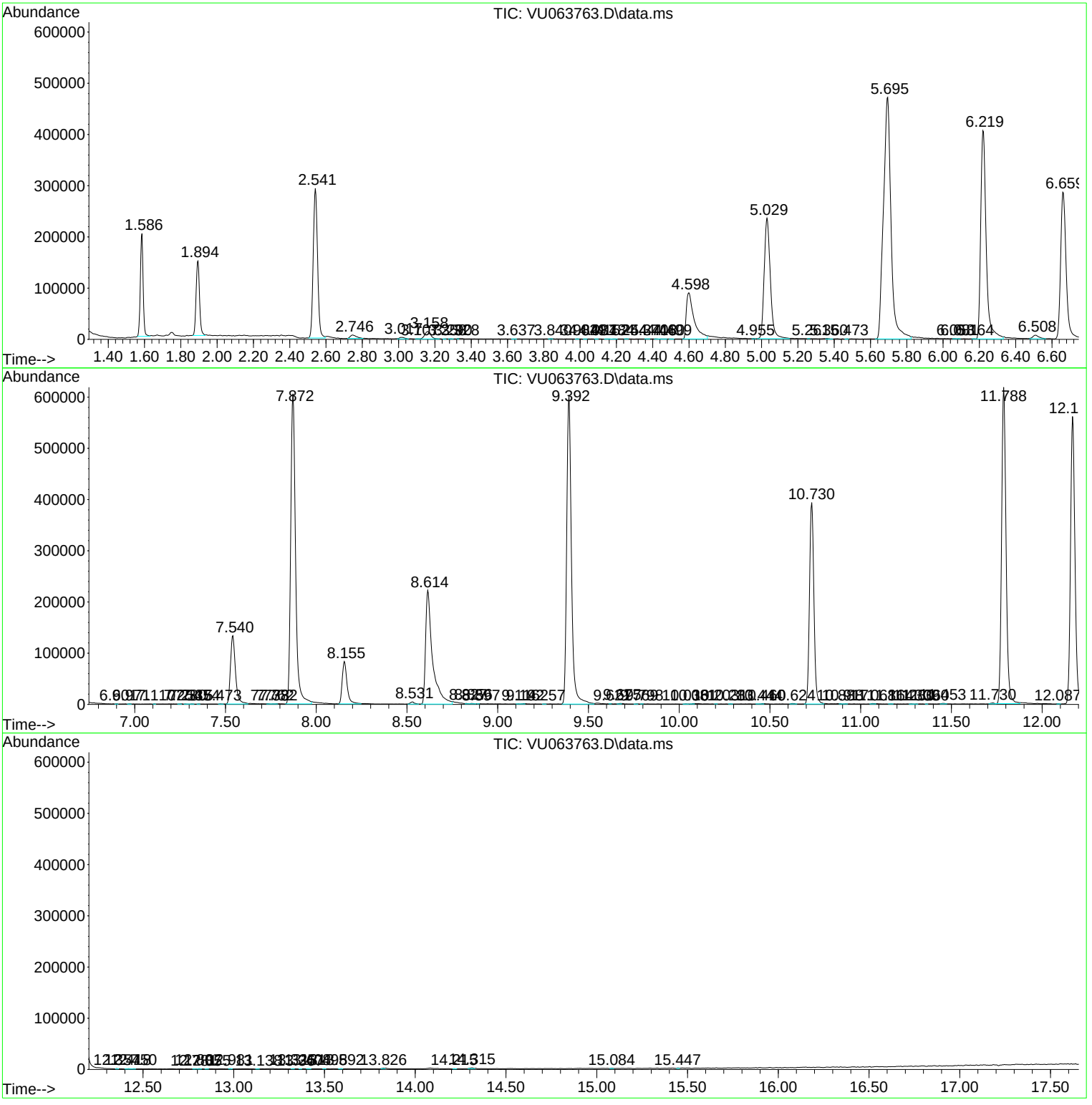
Sum of corrected areas: 10512210

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063763.D
Acq On : 21 Nov 2025 12:31
Operator : MD/SY
Sample : Q3688-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-31S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063763.D
Acq On : 21 Nov 2025 12:31
Operator : MD/SY
Sample : Q3688-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-31S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063763.D
Acq On : 21 Nov 2025 12:31
Operator : MD/SY
Sample : Q3688-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-06
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063759.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	3.2	J
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-06
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063759.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-06
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063759.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-32I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-06
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063759.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

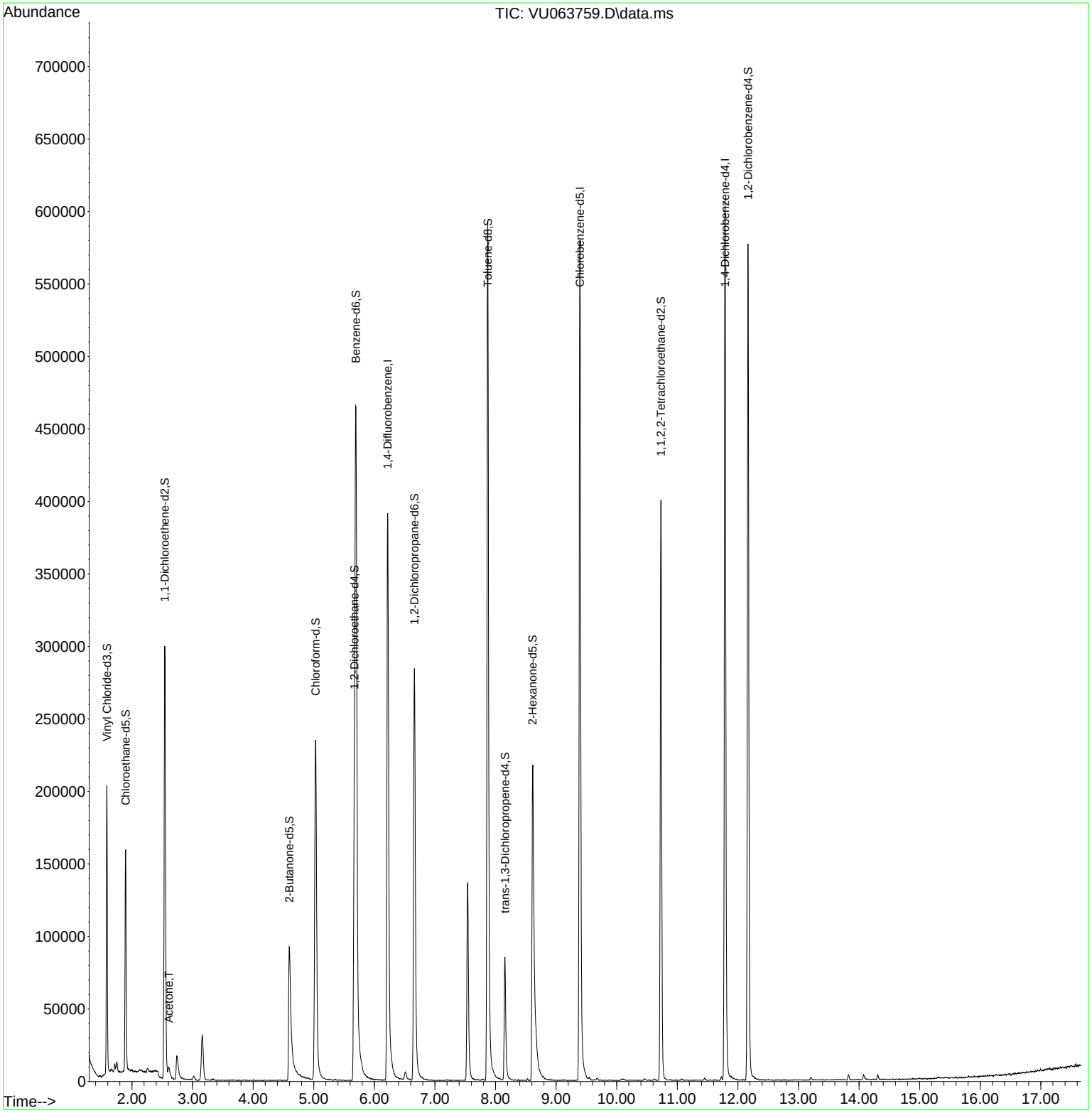
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1	E966796	Total Alkanes	N/A	0.0	

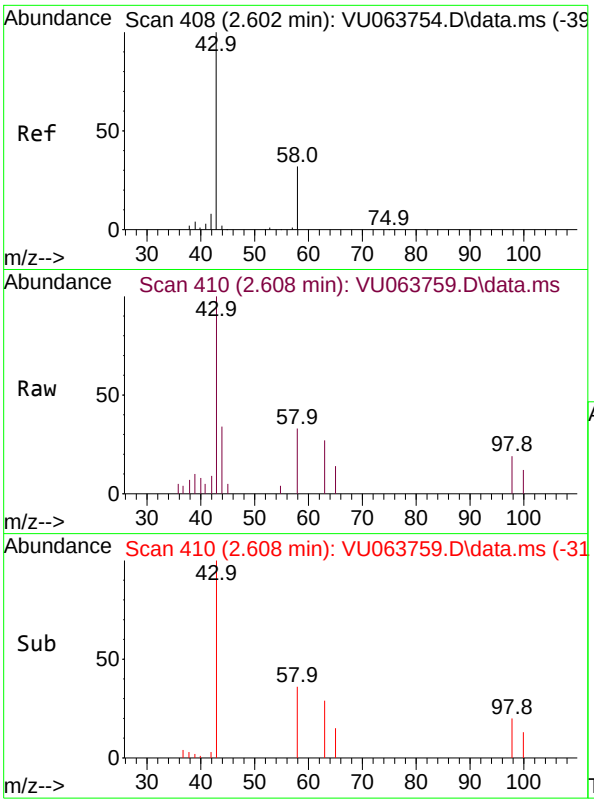
EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063759.D
Acq On : 21 Nov 2025 10:54
Operator : MD/SY
Sample : Q3688-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-32I

Quant Time: Nov 21 22:29:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

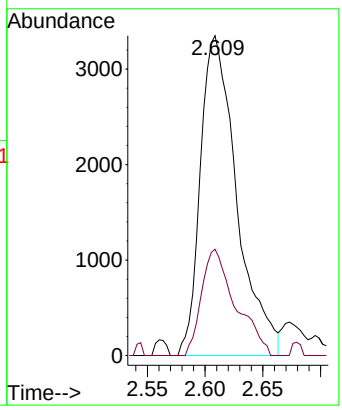




#13
Acetone
Concen: 3.167 ug/L
RT: 2.608 min Scan# 410
Delta R.T. 0.007 min
Lab File: VU063759.D
Acq: 21 Nov 2025 10:54

Tgt Ion: 43 Resp: 7356

Ion	Ratio	Lower	Upper
43	100		
58	31.1	0.0	63.4



Instrument :
MSVOA_U
ClientSampleId :
M-32I

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063759.D
Acq On : 21 Nov 2025 10:54
Operator : MD/SY
Sample : Q3688-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32I

Quant Time: Nov 21 22:29:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	348582	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	337323	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	162891	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	132347	43.967	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.940%			
7) Chloroethane-d5	1.895	69	107478	46.345	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.700%			
11) 1,1-Dichloroethene-d2	2.541	63	182207	34.921	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.840%			
21) 2-Butanone-d5	4.596	46	142845	83.240	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 83.240%			
24) Chloroform-d	5.030	84	229647	45.471	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.940%			
26) 1,2-Dichloroethane-d4	5.669	65	157846	47.529	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.060%			
32) Benzene-d6	5.695	84	448267	45.336	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.680%			
36) 1,2-Dichloropropane-d6	6.660	67	132937	45.798	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.600%			
41) Toluene-d8	7.872	98	418572	44.586	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.180%			
43) trans-1,3-Dichloroprop...	8.155	79	47353	39.477	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 78.960%			
47) 2-Hexanone-d5	8.611	63	88111	83.489	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 83.490%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	190955	44.985	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.980%			
66) 1,2-Dichlorobenzene-d4	12.168	152	149536	48.630	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.260%			
Target Compounds						Qvalue
13) Acetone	2.608	43	7356	3.167	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063759.D
Acq On : 21 Nov 2025 10:54
Operator : MD/SY
Sample : Q3688-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063759.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.512	64	69	71	rBV4	1358	1399	0.10%	0.013%
2	1.586	84	92	108	rBV	197979	220816	15.86%	2.085%
3	1.895	179	188	201	rBV	152599	195068	14.01%	1.842%
4	2.541	378	389	404	rBV	298121	493679	35.46%	4.661%
5	2.740	442	451	475	rBV	15848	39203	2.82%	0.370%
6	2.978	523	525	529	rBV4	435	281	0.02%	0.003%
7	3.017	529	537	544	rBV4	2517	4073	0.29%	0.038%
8	3.158	564	581	596	rBV	30930	71897	5.16%	0.679%
9	3.313	625	629	630	rBV2	582	274	0.02%	0.003%
10	3.329	632	634	635	rBV2	485	265	0.02%	0.003%
11	3.428	659	665	667	rBV	356	343	0.02%	0.003%
12	3.473	673	679	682	rBV2	379	372	0.03%	0.004%
13	3.544	699	701	705	rBV	354	333	0.02%	0.003%
14	3.666	735	739	747	rBV2	479	575	0.04%	0.005%
15	3.850	793	796	802	rVV2	320	391	0.03%	0.004%
16	3.891	805	809	813	rVB	417	322	0.02%	0.003%
17	3.956	825	829	835	rBV2	298	361	0.03%	0.003%
18	4.107	870	876	880	rBV2	233	302	0.02%	0.003%
19	4.187	895	901	905	rBV	381	454	0.03%	0.004%
20	4.428	972	976	980	rBV2	375	385	0.03%	0.004%
21	4.596	1016	1028	1065	rBV	92127	276937	19.89%	2.615%
22	4.872	1112	1114	1118	rBV4	629	424	0.03%	0.004%
23	5.030	1146	1163	1202	rBV	234133	553424	39.75%	5.225%
24	5.271	1234	1238	1243	rVB5	446	377	0.03%	0.004%
25	5.329	1253	1256	1258	rBV	391	282	0.02%	0.003%
26	5.354	1258	1264	1265	rBV4	350	343	0.02%	0.003%
27	5.432	1284	1288	1295	rVB3	592	725	0.05%	0.007%
28	5.692	1350	1369	1413	rBV2	464976	1392158	100.00%	13.144%
29	6.107	1496	1498	1502	rVB3	487	279	0.02%	0.003%
30	6.155	1509	1513	1517	rBV3	392	295	0.02%	0.003%
31	6.219	1521	1533	1573	rBV	391145	830640	59.67%	7.842%
32	6.512	1614	1624	1637	rBV10	5006	10950	0.79%	0.103%
33	6.660	1657	1670	1702	rBV	283936	600329	43.12%	5.668%
34	7.068	1793	1797	1800	rVB2	366	271	0.02%	0.003%
35	7.190	1828	1835	1837	rVV4	459	458	0.03%	0.004%
36	7.219	1841	1844	1851	rVB3	401	389	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063759.D
Acq On : 21 Nov 2025 10:54
Operator : MD/SY
Sample : Q3688-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.541	1930	1944	1967	rBV	135889	257658	18.51%	2.433%
38	7.718	1996	1999	2004	rVB3	566	503	0.04%	0.005%
39	7.785	2012	2020	2024	rBV7	856	1426	0.10%	0.013%
40	7.872	2034	2047	2091	rBV	592377	1140299	81.91%	10.766%
41	8.155	2124	2135	2156	rBV	84484	152843	10.98%	1.443%
42	8.316	2180	2185	2187	rBV2	430	421	0.03%	0.004%
43	8.374	2200	2203	2207	rVB	765	539	0.04%	0.005%
44	8.528	2247	2251	2256	rVB3	1197	1207	0.09%	0.011%
45	8.615	2266	2278	2311	rBV3	217502	571111	41.02%	5.392%
46	8.869	2355	2357	2360	rVB3	479	287	0.02%	0.003%
47	8.904	2365	2368	2372	rVB5	755	555	0.04%	0.005%
48	9.145	2439	2443	2450	rBV3	472	476	0.03%	0.004%
49	9.338	2497	2503	2507	rBV2	274	347	0.02%	0.003%
50	9.393	2507	2520	2560	rBV	579312	1064381	76.46%	10.049%
51	9.544	2565	2567	2569	rBV3	810	399	0.03%	0.004%
52	9.673	2601	2607	2608	rBV3	1215	936	0.07%	0.009%
53	9.737	2623	2627	2633	rBV3	415	412	0.03%	0.004%
54	9.798	2641	2646	2649	rVB	329	295	0.02%	0.003%
55	9.872	2664	2669	2671	rBV2	266	288	0.02%	0.003%
56	9.965	2695	2698	2702	rBV2	263	268	0.02%	0.003%
57	10.010	2707	2712	2717	rVB	239	269	0.02%	0.003%
58	10.074	2728	2732	2734	rBV3	638	522	0.04%	0.005%
59	10.091	2735	2737	2739	rVV3	491	264	0.02%	0.002%
60	10.203	2766	2772	2775	rBV2	272	279	0.02%	0.003%
61	10.232	2775	2781	2783	rVV2	319	370	0.03%	0.003%
62	10.316	2801	2807	2811	rBV2	339	402	0.03%	0.004%
63	10.380	2824	2827	2836	rVB2	427	438	0.03%	0.004%
64	10.460	2845	2852	2864	rVB6	1137	2088	0.15%	0.020%
65	10.547	2876	2879	2882	rVB	418	273	0.02%	0.003%
66	10.573	2882	2887	2890	rBV	310	313	0.02%	0.003%
67	10.621	2896	2902	2912	rVB5	1098	2108	0.15%	0.020%
68	10.660	2912	2914	2920	rBV2	355	347	0.02%	0.003%
69	10.730	2923	2936	2955	rBV	400136	666589	47.88%	6.294%
70	10.972	3008	3011	3016	rBV2	487	361	0.03%	0.003%
71	11.013	3021	3024	3029	rBV2	427	434	0.03%	0.004%
72	11.065	3036	3040	3042	rBV2	904	712	0.05%	0.007%
73	11.242	3089	3095	3099	rBV	293	278	0.02%	0.003%
74	11.283	3105	3108	3111	rBV	350	285	0.02%	0.003%
75	11.451	3152	3160	3163	rBV3	1450	1671	0.12%	0.016%
76	11.730	3237	3247	3252	rBV4	2564	3900	0.28%	0.037%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063759.D
Acq On : 21 Nov 2025 10:54
Operator : MD/SY
Sample : Q3688-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.788	3252	3265	3292	rBV	607662	1022167	73.42%	9.651%
78	12.071	3350	3353	3355	rVB3	446	281	0.02%	0.003%
79	12.087	3355	3358	3360	rBV3	429	289	0.02%	0.003%
80	12.168	3370	3383	3406	rBV	576746	968582	69.57%	9.145%
81	12.367	3441	3445	3448	rBV3	425	363	0.03%	0.003%
82	12.406	3453	3457	3460	rVV2	342	313	0.02%	0.003%
83	12.502	3481	3487	3490	rBV2	509	409	0.03%	0.004%
84	12.602	3513	3518	3520	rBV2	320	263	0.02%	0.002%
85	12.753	3559	3565	3568	rVB3	492	450	0.03%	0.004%
86	12.846	3590	3594	3597	rBV2	364	346	0.02%	0.003%
87	13.129	3677	3682	3686	rBV	381	375	0.03%	0.004%
88	13.206	3699	3706	3714	rBV4	1748	2822	0.20%	0.027%
89	13.267	3722	3725	3732	rVB3	325	351	0.03%	0.003%
90	13.405	3764	3768	3772	rBV2	395	360	0.03%	0.003%
91	13.463	3783	3786	3790	rBV	334	328	0.02%	0.003%
92	13.827	3891	3899	3907	rBV6	3591	5510	0.40%	0.052%
93	13.872	3910	3913	3916	rBV	387	343	0.02%	0.003%
94	14.074	3970	3976	3983	rVV2	3105	4350	0.31%	0.041%
95	14.306	4042	4048	4061	rBV6	3523	5769	0.41%	0.054%
96	14.618	4140	4145	4151	rBV3	494	682	0.05%	0.006%
97	14.669	4159	4161	4165	rVB	617	313	0.02%	0.003%
98	14.881	4225	4227	4230	rVB2	628	312	0.02%	0.003%
99	15.190	4321	4323	4329	rBV4	570	492	0.04%	0.005%
100	15.235	4334	4337	4339	rBV	607	476	0.03%	0.004%

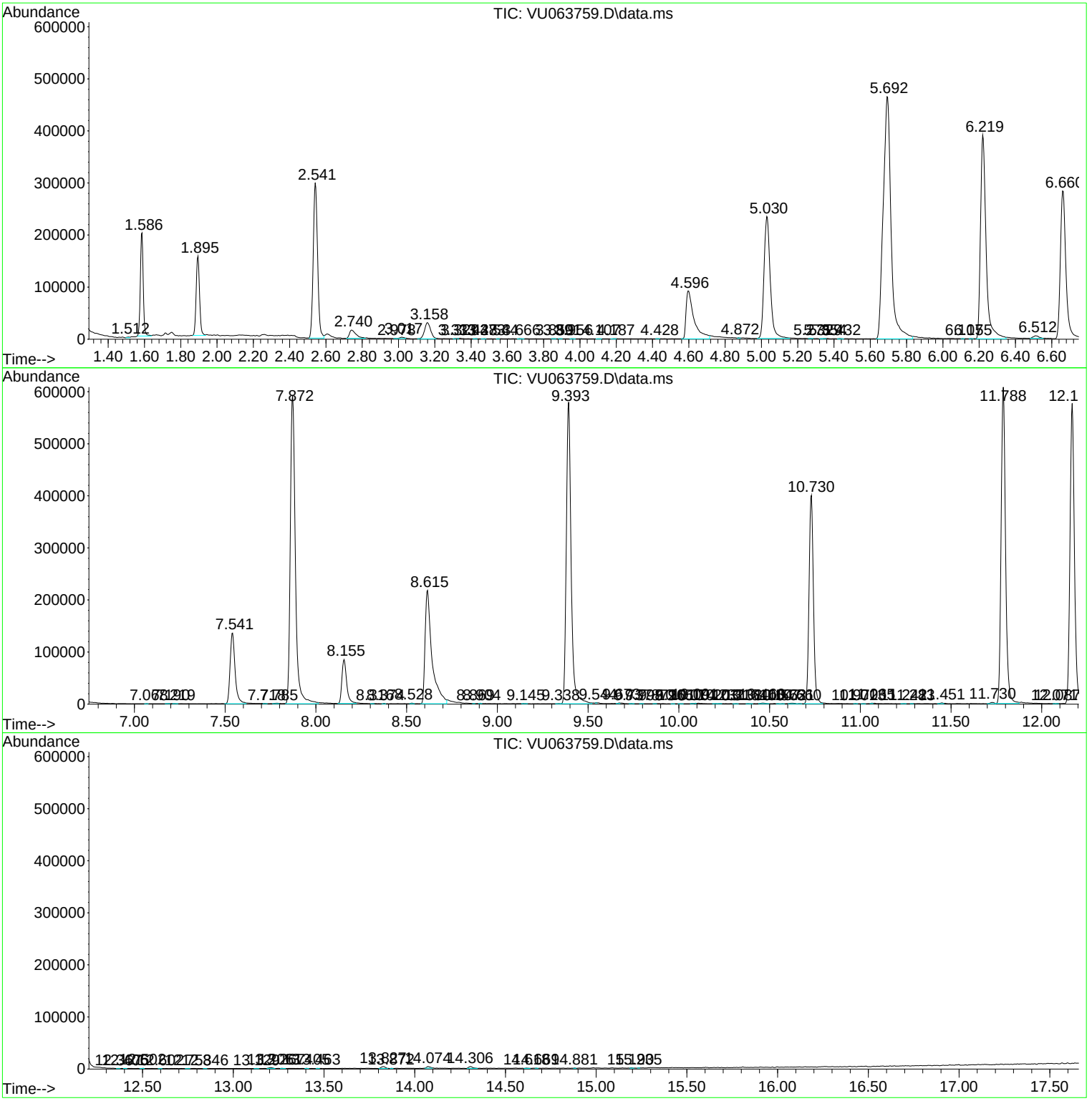
Sum of corrected areas: 10591574

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063759.D
Acq On : 21 Nov 2025 10:54
Operator : MD/SY
Sample : Q3688-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-32I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063759.D
Acq On : 21 Nov 2025 10:54
Operator : MD/SY
Sample : Q3688-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-32I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063759.D
Acq On : 21 Nov 2025 10:54
Operator : MD/SY
Sample : Q3688-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-32I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-10
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063765.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-10
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063765.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-10
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063765.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-32S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-10
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063765.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

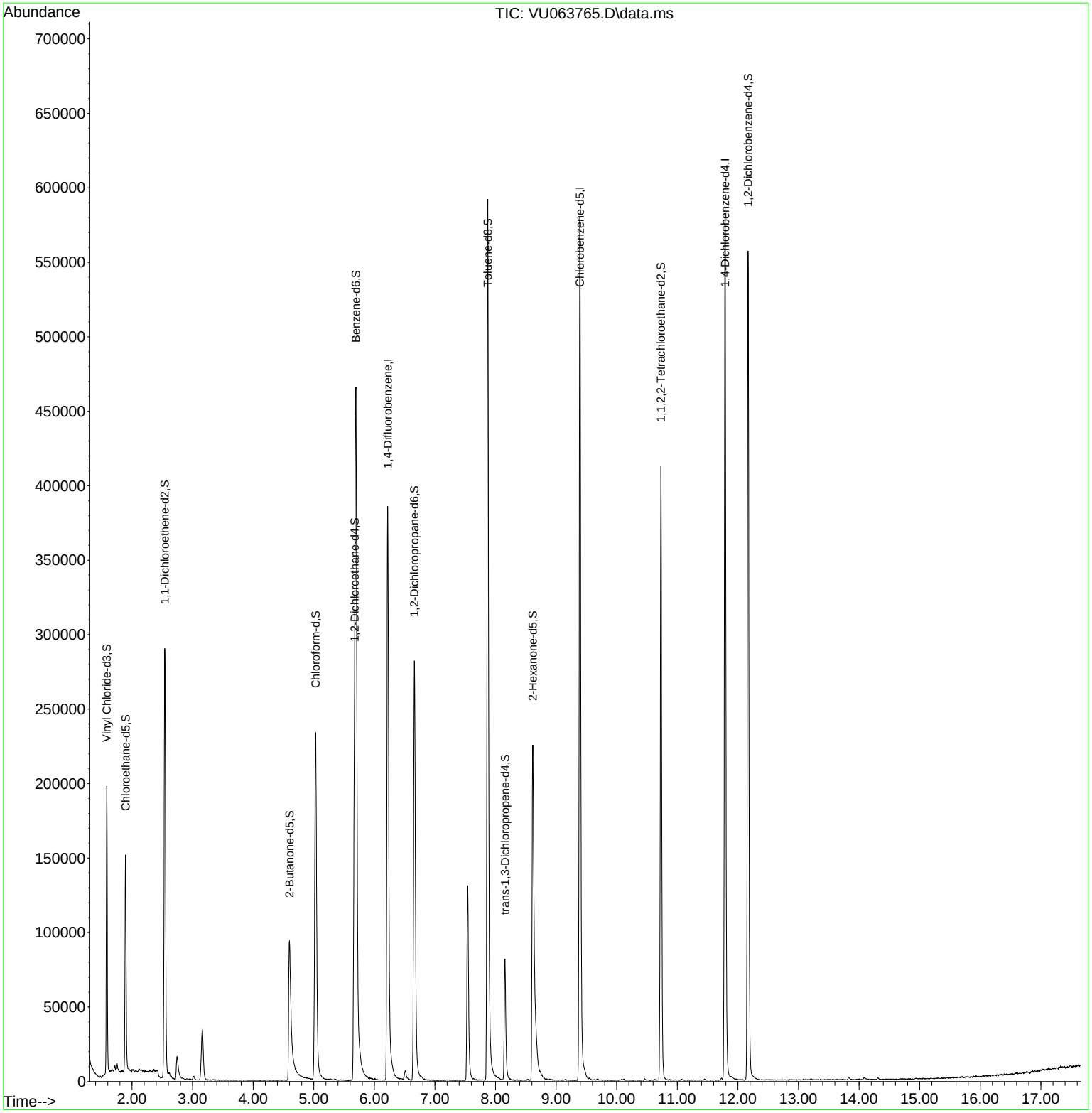
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063765.D
Acq On : 21 Nov 2025 13:20
Operator : MD/SY
Sample : Q3688-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-32S

Quant Time: Nov 21 22:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063765.D
Acq On : 21 Nov 2025 13:20
Operator : MD/SY
Sample : Q3688-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32S

Quant Time: Nov 21 22:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	341609	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	325580	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	161982	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	127580	43.249	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 86.500%			
7) Chloroethane-d5	1.894	69	102253	44.992	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.980%			
11) 1,1-Dichloroethene-d2	2.541	63	173936	34.016	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.040%			
21) 2-Butanone-d5	4.599	46	141501	84.140	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 84.140%			
24) Chloroform-d	5.029	84	223456	45.148	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.300%			
26) 1,2-Dichloroethane-d4	5.672	65	154450	47.456	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.920%			
32) Benzene-d6	5.695	84	452030	47.366	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.740%			
36) 1,2-Dichloropropane-d6	6.660	67	133965	47.817	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.640%			
41) Toluene-d8	7.872	98	415075	45.808	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.620%			
43) trans-1,3-Dichloroprop...	8.155	79	45675	39.451	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 78.900%			
47) 2-Hexanone-d5	8.614	63	88965	87.338	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 87.340%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	193957	47.340	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.680%			
66) 1,2-Dichlorobenzene-d4	12.167	152	150764	49.304	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.600%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063765.D
Acq On : 21 Nov 2025 13:20
Operator : MD/SY
Sample : Q3688-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063765.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	105	rBV	192412	213292	15.60%	2.049%
2	1.894	179	188	203	rBV	145196	190208	13.91%	1.827%
3	2.541	377	389	406	rBV	287945	474913	34.74%	4.562%
4	2.743	442	452	477	rBV	15684	40472	2.96%	0.389%
5	2.904	497	502	506	rBV3	591	776	0.06%	0.007%
6	2.946	512	515	520	rVB2	599	441	0.03%	0.004%
7	3.020	529	538	545	rBV6	2573	4335	0.32%	0.042%
8	3.081	553	557	563	rVB4	311	420	0.03%	0.004%
9	3.161	563	582	602	rBV	33950	81282	5.95%	0.781%
10	3.261	608	613	615	rBV2	389	398	0.03%	0.004%
11	3.332	631	635	638	rBV2	377	439	0.03%	0.004%
12	3.383	647	651	655	rBV	404	333	0.02%	0.003%
13	3.422	660	663	667	rVB3	463	338	0.02%	0.003%
14	3.454	667	673	676	rBV2	279	302	0.02%	0.003%
15	3.605	717	720	725	rBV2	225	270	0.02%	0.003%
16	4.136	882	885	887	rBV	367	269	0.02%	0.003%
17	4.226	909	913	918	rBV2	412	482	0.04%	0.005%
18	4.293	929	934	937	rBV2	338	315	0.02%	0.003%
19	4.521	1002	1005	1008	rVB	365	258	0.02%	0.002%
20	4.544	1008	1012	1017	rBV2	323	294	0.02%	0.003%
21	4.599	1017	1029	1059	rBV	93342	276452	20.22%	2.656%
22	5.029	1148	1163	1201	rBV	232872	537495	39.32%	5.163%
23	5.261	1231	1235	1236	rBV2	599	406	0.03%	0.004%
24	5.383	1271	1273	1281	rVB2	347	334	0.02%	0.003%
25	5.447	1289	1293	1297	rVV2	416	316	0.02%	0.003%
26	5.611	1341	1344	1346	rBV	499	309	0.02%	0.003%
27	5.695	1346	1370	1415	rBV2	465820	1367073	100.00%	13.132%
28	5.968	1452	1455	1459	rVB3	695	522	0.04%	0.005%
29	6.007	1465	1467	1476	rVB3	845	747	0.05%	0.007%
30	6.219	1521	1533	1571	rBV	385106	811368	59.35%	7.794%
31	6.508	1612	1623	1639	rBV6	5910	12892	0.94%	0.124%
32	6.660	1657	1670	1699	rBV	281617	591352	43.26%	5.680%
33	6.894	1740	1743	1745	rBV	449	275	0.02%	0.003%
34	6.971	1764	1767	1772	rVB2	621	451	0.03%	0.004%
35	6.997	1772	1775	1780	rBV	269	304	0.02%	0.003%
36	7.084	1794	1802	1807	rVV2	354	348	0.03%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063765.D
Acq On : 21 Nov 2025 13:20
Operator : MD/SY
Sample : Q3688-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.197	1832	1837	1842	rVB3	374	370	0.03%	0.004%
38	7.264	1855	1858	1864	rVB2	247	291	0.02%	0.003%
39	7.438	1908	1912	1919	rVB	376	369	0.03%	0.004%
40	7.541	1932	1944	1973	rVV	130873	250159	18.30%	2.403%
41	7.679	1985	1987	1993	rVB4	504	457	0.03%	0.004%
42	7.737	2001	2005	2008	rBV3	516	409	0.03%	0.004%
43	7.872	2030	2047	2087	rBV	591762	1115241	81.58%	10.713%
44	8.155	2124	2135	2154	rBV	81143	147971	10.82%	1.421%
45	8.338	2188	2192	2195	rBV	385	371	0.03%	0.004%
46	8.357	2195	2198	2203	rVB2	516	355	0.03%	0.003%
47	8.438	2217	2223	2226	rBV2	283	350	0.03%	0.003%
48	8.531	2244	2252	2259	rVB4	838	1074	0.08%	0.010%
49	8.566	2259	2263	2265	rBV	401	285	0.02%	0.003%
50	8.614	2267	2278	2314	rBV2	225125	585223	42.81%	5.621%
51	8.840	2346	2348	2351	rVB2	555	258	0.02%	0.002%
52	8.926	2373	2375	2379	rVB	450	287	0.02%	0.003%
53	9.158	2437	2447	2452	rVB5	603	919	0.07%	0.009%
54	9.393	2507	2520	2562	rBV	579321	1045122	76.45%	10.039%
55	9.544	2565	2567	2571	rBV3	618	390	0.03%	0.004%
56	9.682	2602	2610	2611	rBV3	768	948	0.07%	0.009%
57	9.749	2629	2631	2636	rVB3	392	304	0.02%	0.003%
58	9.788	2636	2643	2645	rBV	328	313	0.02%	0.003%
59	9.830	2653	2656	2663	rVB2	353	323	0.02%	0.003%
60	9.971	2694	2700	2703	rBV2	286	284	0.02%	0.003%
61	10.045	2718	2723	2725	rBV2	293	247	0.02%	0.002%
62	10.074	2725	2732	2733	rBV3	481	346	0.03%	0.003%
63	10.116	2741	2745	2749	rVB4	630	530	0.04%	0.005%
64	10.190	2762	2768	2773	rBV	184	282	0.02%	0.003%
65	10.290	2795	2799	2802	rBV	343	251	0.02%	0.002%
66	10.457	2846	2851	2862	rBV4	1147	1809	0.13%	0.017%
67	10.569	2880	2886	2888	rBV2	292	290	0.02%	0.003%
68	10.618	2898	2901	2902	rBV	561	340	0.02%	0.003%
69	10.730	2923	2936	2954	rBV	412058	666744	48.77%	6.405%
70	10.862	2973	2977	2979	rBV	498	379	0.03%	0.004%
71	10.894	2984	2987	2992	rVV3	414	375	0.03%	0.004%
72	11.061	3036	3039	3040	rBV	467	294	0.02%	0.003%
73	11.180	3072	3076	3082	rVB2	409	384	0.03%	0.004%
74	11.415	3145	3149	3152	rBV2	338	276	0.02%	0.003%
75	11.450	3154	3160	3169	rVB2	903	1330	0.10%	0.013%
76	11.573	3191	3198	3202	rBV2	292	394	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063765.D
Acq On : 21 Nov 2025 13:20
Operator : MD/SY
Sample : Q3688-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.659	3221	3225	3229	rVB2	308	263	0.02%	0.003%
78	11.704	3232	3239	3241	rBV2	353	375	0.03%	0.004%
79	11.733	3241	3248	3253	rBV5	1327	1670	0.12%	0.016%
80	11.788	3253	3265	3289	rBV	591695	1001671	73.27%	9.622%
81	12.167	3367	3383	3418	rVV	556809	958259	70.10%	9.205%
82	12.463	3468	3475	3477	rBV	350	390	0.03%	0.004%
83	12.531	3493	3496	3500	rVB4	421	317	0.02%	0.003%
84	12.653	3531	3534	3539	rBV2	354	323	0.02%	0.003%
85	12.849	3589	3595	3598	rBV	561	513	0.04%	0.005%
86	12.881	3598	3605	3609	rVV3	262	429	0.03%	0.004%
87	13.016	3644	3647	3651	rVB	352	287	0.02%	0.003%
88	13.042	3651	3655	3658	rBV	483	318	0.02%	0.003%
89	13.199	3699	3704	3707	rBV	608	625	0.05%	0.006%
90	13.328	3741	3744	3750	rVB	429	382	0.03%	0.004%
91	13.367	3750	3756	3763	rBV4	596	680	0.05%	0.007%
92	13.479	3788	3791	3794	rBV2	470	312	0.02%	0.003%
93	13.569	3816	3819	3824	rVB	377	279	0.02%	0.003%
94	13.627	3832	3837	3838	rBV3	400	371	0.03%	0.004%
95	13.772	3878	3882	3887	rBV3	461	389	0.03%	0.004%
96	13.826	3894	3899	3907	rBV6	1584	2171	0.16%	0.021%
97	14.000	3951	3953	3959	rVB2	587	485	0.04%	0.005%
98	14.077	3971	3977	3979	rBV3	1200	1154	0.08%	0.011%
99	14.312	4044	4050	4057	rVB3	1371	1768	0.13%	0.017%
100	14.704	4170	4172	4175	rBV3	432	280	0.02%	0.003%

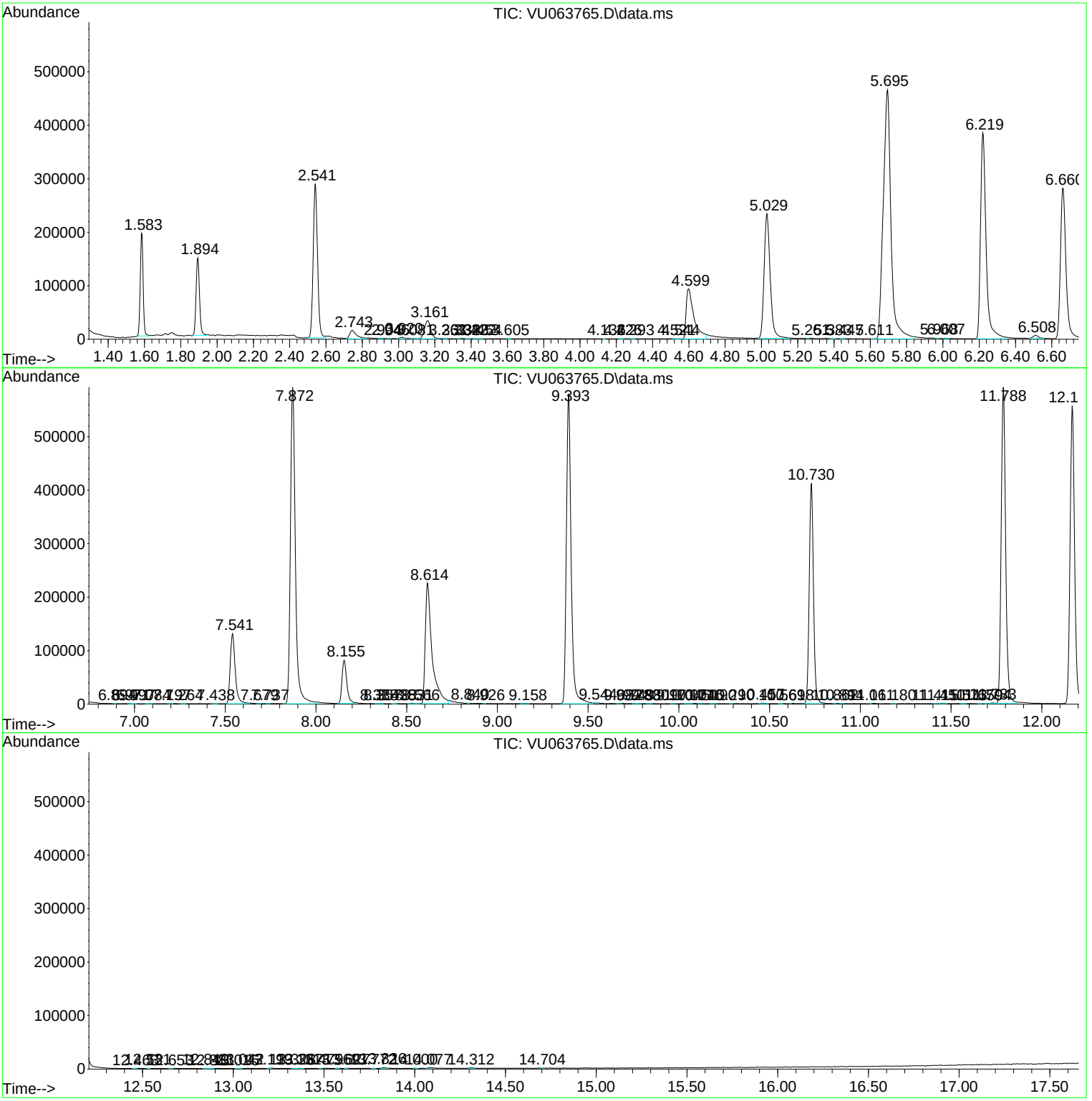
Sum of corrected areas: 10410536

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063765.D
Acq On : 21 Nov 2025 13:20
Operator : MD/SY
Sample : Q3688-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-32S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063765.D
Acq On : 21 Nov 2025 13:20
Operator : MD/SY
Sample : Q3688-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-32S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063765.D
Acq On : 21 Nov 2025 13:20
Operator : MD/SY
Sample : Q3688-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-32S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-04
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063757.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	4.1	J
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-04
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063757.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-04
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063757.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-04
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063757.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

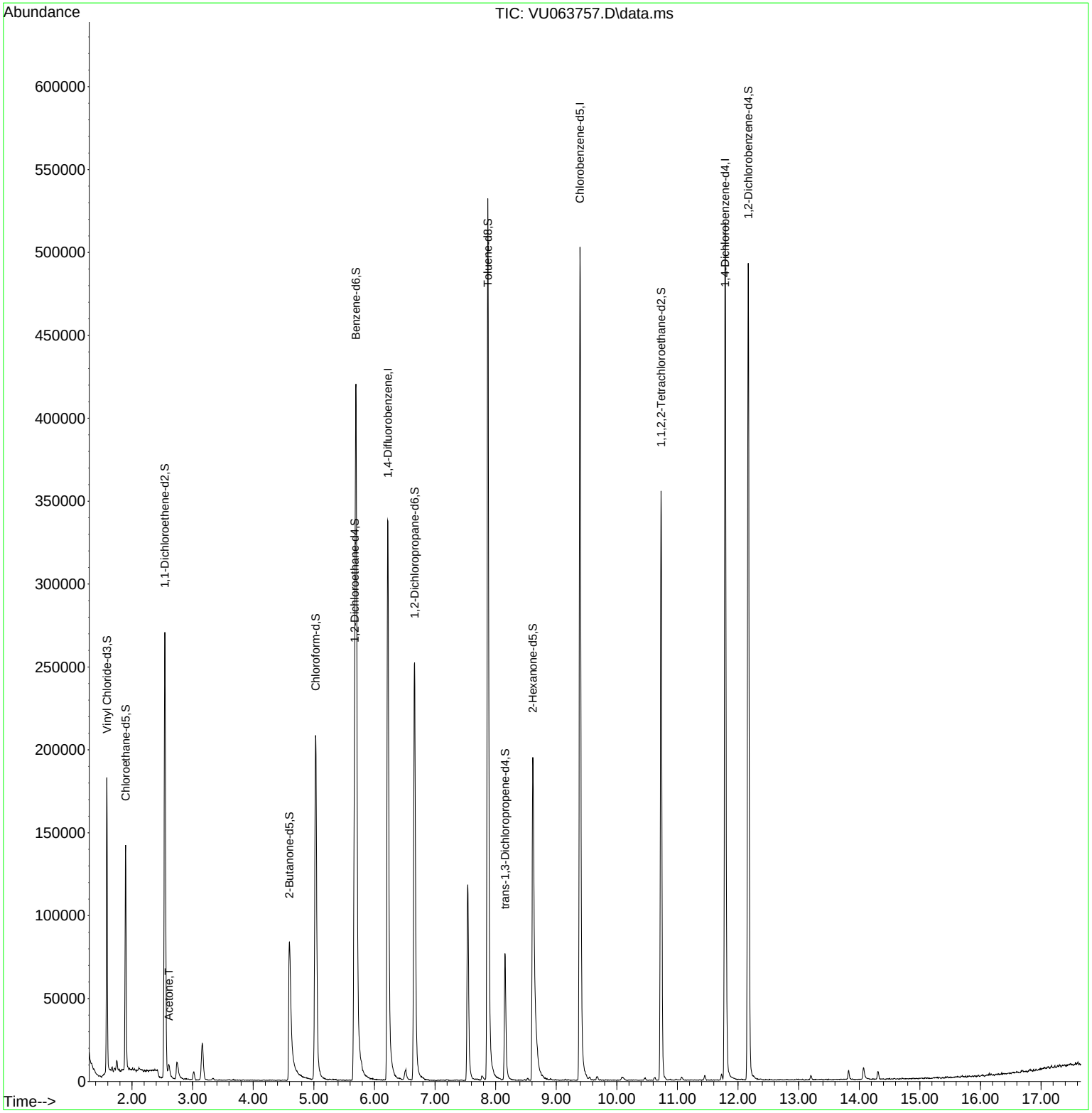
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

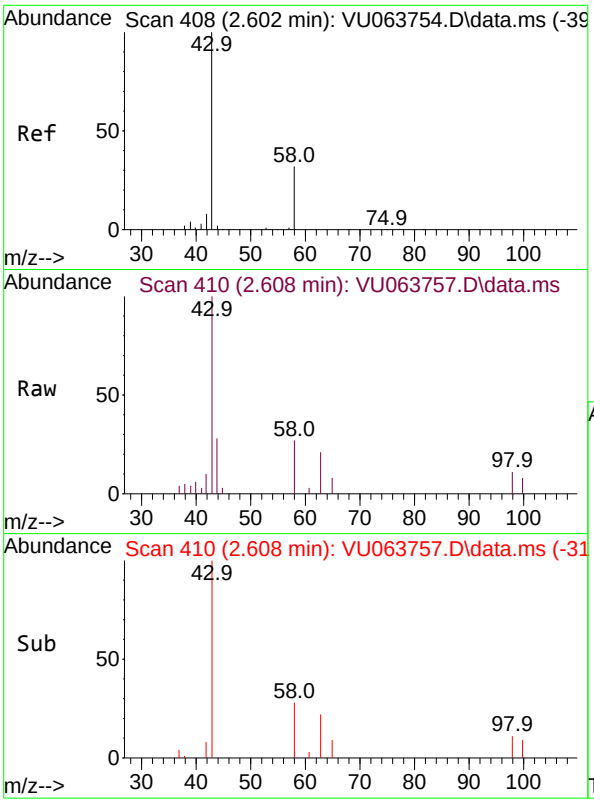
EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063757.D
Acq On : 21 Nov 2025 10:05
Operator : MD/SY
Sample : Q3688-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251119

Quant Time: Nov 21 22:29:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

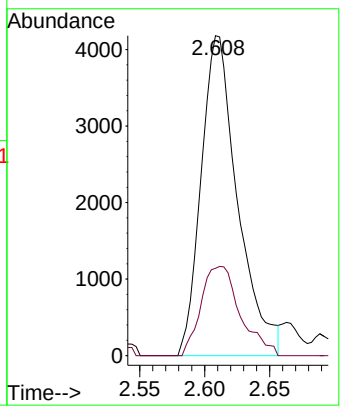




#13
Acetone
Concen: 4.057 ug/L
RT: 2.608 min Scan# 410
Delta R.T. 0.006 min
Lab File: VU063757.D
Acq: 21 Nov 2025 10:05

Tgt Ion: 43 Resp: 8175

Ion	Ratio	Lower	Upper
43	100		
58	27.9	0.0	63.4



Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251119

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063757.D
Acq On : 21 Nov 2025 10:05
Operator : MD/SY
Sample : Q3688-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251119

Quant Time: Nov 21 22:29:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	302476	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	284569	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	139308	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	118999	45.559	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 91.120%			
7) Chloroethane-d5	1.894	69	94620	47.020	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.040%			
11) 1,1-Dichloroethene-d2	2.541	63	166818	36.845	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.680%			
21) 2-Butanone-d5	4.595	46	133380	89.572	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 89.570%			
24) Chloroform-d	5.029	84	202607	46.232	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.460%			
26) 1,2-Dichloroethane-d4	5.672	65	137914	47.858	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.720%			
32) Benzene-d6	5.695	84	399098	47.846	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.700%			
36) 1,2-Dichloropropane-d6	6.663	67	119896	48.963	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.920%			
41) Toluene-d8	7.872	98	375460	47.408	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.820%			
43) trans-1,3-Dichloroprop...	8.155	79	43498	42.985	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.980%			
47) 2-Hexanone-d5	8.614	63	76272	85.668	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 85.670%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	171896	48.002	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.000%			
66) 1,2-Dichlorobenzene-d4	12.167	152	131804	50.120	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.240%			
Target Compounds						Qvalue
13) Acetone	2.608	43	8175	4.057	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063757.D
Acq On : 21 Nov 2025 10:05
Operator : MD/SY
Sample : Q3688-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063757.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	84	92	107	rBV	177398	198263	16.22%	2.118%
2	1.894	180	188	205	rVB	135498	175530	14.36%	1.875%
3	2.541	378	389	403	rBV	268161	442083	36.16%	4.722%
4	2.740	441	451	471	rBV3	10179	25468	2.08%	0.272%
5	2.930	508	510	517	rVB3	523	479	0.04%	0.005%
6	3.020	529	538	549	rVB4	5108	9565	0.78%	0.102%
7	3.068	550	553	559	rBV2	358	346	0.03%	0.004%
8	3.158	567	581	600	rVV	21805	50896	4.16%	0.544%
9	3.332	629	635	636	rBV3	892	829	0.07%	0.009%
10	3.666	735	739	741	rBV2	487	275	0.02%	0.003%
11	3.679	741	743	746	rVB2	599	312	0.03%	0.003%
12	3.711	752	753	761	rVB2	266	234	0.02%	0.002%
13	3.837	787	792	797	rVB3	303	407	0.03%	0.004%
14	4.081	862	868	873	rBV	312	340	0.03%	0.004%
15	4.319	937	942	948	rVB	275	259	0.02%	0.003%
16	4.486	988	994	999	rBV2	294	281	0.02%	0.003%
17	4.599	1014	1029	1066	rBV	83417	256997	21.02%	2.745%
18	5.029	1148	1163	1203	rBV	207244	487998	39.92%	5.212%
19	5.316	1250	1252	1254	rVB2	529	248	0.02%	0.003%
20	5.367	1265	1268	1273	rVB4	701	587	0.05%	0.006%
21	5.483	1301	1304	1308	rBV2	416	280	0.02%	0.003%
22	5.537	1316	1321	1325	rBV	399	329	0.03%	0.004%
23	5.592	1332	1338	1341	rVB2	338	269	0.02%	0.003%
24	5.695	1350	1370	1405	rBV2	419865	1222502	100.00%	13.057%
25	6.042	1477	1478	1485	rBV3	322	232	0.02%	0.002%
26	6.126	1501	1504	1507	rVB3	380	249	0.02%	0.003%
27	6.148	1508	1511	1514	rBV2	418	278	0.02%	0.003%
28	6.219	1521	1533	1570	rBV	337515	710777	58.14%	7.592%
29	6.518	1613	1626	1641	rVB7	5975	13318	1.09%	0.142%
30	6.663	1657	1671	1706	rBV	251832	536628	43.90%	5.732%
31	6.852	1728	1730	1733	rBV4	427	239	0.02%	0.003%
32	7.541	1932	1944	1972	rBV	117993	228822	18.72%	2.444%
33	7.672	1982	1985	1988	rBV3	341	243	0.02%	0.003%
34	7.721	1998	2000	2003	rVB2	546	291	0.02%	0.003%
35	7.775	2010	2017	2029	rBV4	2644	5434	0.44%	0.058%
36	7.872	2033	2047	2082	rBV	531349	1005022	82.21%	10.734%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063757.D
Acq On : 21 Nov 2025 10:05
Operator : MD/SY
Sample : Q3688-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	8.155	2124	2135	2158	rBV2	76030	140053	11.46%	1.496%
38	8.380	2201	2205	2208	rBV4	434	336	0.03%	0.004%
39	8.483	2226	2237	2240	rBV2	594	741	0.06%	0.008%
40	8.531	2245	2252	2259	rVB5	1295	1829	0.15%	0.020%
41	8.614	2265	2278	2324	rBV3	194813	529403	43.30%	5.654%
42	8.849	2349	2351	2356	rVB4	759	471	0.04%	0.005%
43	8.904	2365	2368	2370	rBV3	595	317	0.03%	0.003%
44	8.997	2394	2397	2399	rVB3	435	254	0.02%	0.003%
45	9.148	2439	2444	2448	rBV3	670	565	0.05%	0.006%
46	9.190	2454	2457	2459	rBV2	330	258	0.02%	0.003%
47	9.232	2468	2470	2473	rVB	379	229	0.02%	0.002%
48	9.254	2473	2477	2480	rBV2	334	282	0.02%	0.003%
49	9.338	2500	2503	2507	rBV	322	319	0.03%	0.003%
50	9.393	2507	2520	2550	rBV	502482	913017	74.68%	9.752%
51	9.589	2579	2581	2586	rBV3	390	254	0.02%	0.003%
52	9.627	2590	2593	2598	rBV2	415	344	0.03%	0.004%
53	9.666	2598	2605	2607	rBV3	2010	1901	0.16%	0.020%
54	9.727	2621	2624	2630	rVB3	515	538	0.04%	0.006%
55	9.817	2647	2652	2654	rBV	439	403	0.03%	0.004%
56	10.013	2709	2713	2718	rBV2	435	459	0.04%	0.005%
57	10.081	2726	2734	2737	rBV4	1758	2063	0.17%	0.022%
58	10.248	2782	2786	2790	rVB	409	338	0.03%	0.004%
59	10.280	2790	2796	2800	rBV2	373	474	0.04%	0.005%
60	10.457	2844	2851	2852	rBV3	1292	1033	0.08%	0.011%
61	10.544	2875	2878	2883	rVB2	271	254	0.02%	0.003%
62	10.573	2883	2887	2892	rBV2	310	324	0.03%	0.003%
63	10.624	2895	2903	2905	rBV2	1619	2225	0.18%	0.024%
64	10.730	2922	2936	2954	rBV	355352	591888	48.42%	6.322%
65	10.884	2982	2984	2988	rVB	617	376	0.03%	0.004%
66	10.974	3005	3012	3020	rBV3	531	754	0.06%	0.008%
67	11.068	3034	3041	3049	rBV4	1663	2708	0.22%	0.029%
68	11.161	3066	3070	3076	rBV	239	303	0.02%	0.003%
69	11.280	3104	3107	3110	rBV2	326	239	0.02%	0.003%
70	11.450	3152	3160	3170	rVB4	2894	4831	0.40%	0.052%
71	11.508	3170	3178	3181	rBV2	254	371	0.03%	0.004%
72	11.556	3189	3193	3196	rBV2	401	230	0.02%	0.002%
73	11.666	3223	3227	3232	rVB2	332	305	0.02%	0.003%
74	11.727	3239	3246	3253	rBV4	3507	4926	0.40%	0.053%
75	11.788	3253	3265	3301	rBV	516934	882001	72.15%	9.421%
76	12.058	3347	3349	3354	rVB3	421	248	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063757.D
Acq On : 21 Nov 2025 10:05
Operator : MD/SY
Sample : Q3688-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	12.167	3369	3383	3405	rBV	492657	857133	70.11%	9.155%
78	12.325	3429	3432	3437	rBV3	568	416	0.03%	0.004%
79	12.611	3518	3521	3527	rVB2	322	304	0.02%	0.003%
80	12.936	3619	3622	3628	rBV2	430	453	0.04%	0.005%
81	12.968	3629	3632	3636	rVV4	507	407	0.03%	0.004%
82	13.126	3679	3681	3688	rVB2	308	283	0.02%	0.003%
83	13.199	3698	3704	3713	rVV6	2507	3836	0.31%	0.041%
84	13.283	3727	3730	3733	rBV3	359	251	0.02%	0.003%
85	13.412	3767	3770	3774	rBV2	312	320	0.03%	0.003%
86	13.499	3794	3797	3801	rBV	562	466	0.04%	0.005%
87	13.563	3813	3817	3821	rVB2	309	329	0.03%	0.004%
88	13.589	3821	3825	3826	rBV2	413	335	0.03%	0.004%
89	13.698	3853	3859	3862	rBV	412	502	0.04%	0.005%
90	13.826	3892	3899	3908	rVV4	5181	7437	0.61%	0.079%
91	14.071	3966	3975	3989	rBV2	6850	13437	1.10%	0.144%
92	14.257	4030	4033	4035	rBV	423	272	0.02%	0.003%
93	14.309	4041	4049	4058	rBV7	4474	7858	0.64%	0.084%
94	14.447	4088	4092	4095	rBV2	493	412	0.03%	0.004%
95	14.502	4106	4109	4112	rVB2	638	387	0.03%	0.004%
96	14.572	4127	4131	4133	rBV2	529	496	0.04%	0.005%
97	14.888	4225	4229	4233	rBV4	466	490	0.04%	0.005%
98	14.990	4259	4261	4263	rBV2	543	293	0.02%	0.003%
99	15.318	4358	4363	4373	rVB6	938	1685	0.14%	0.018%
100	15.428	4394	4397	4401	rBV3	776	576	0.05%	0.006%

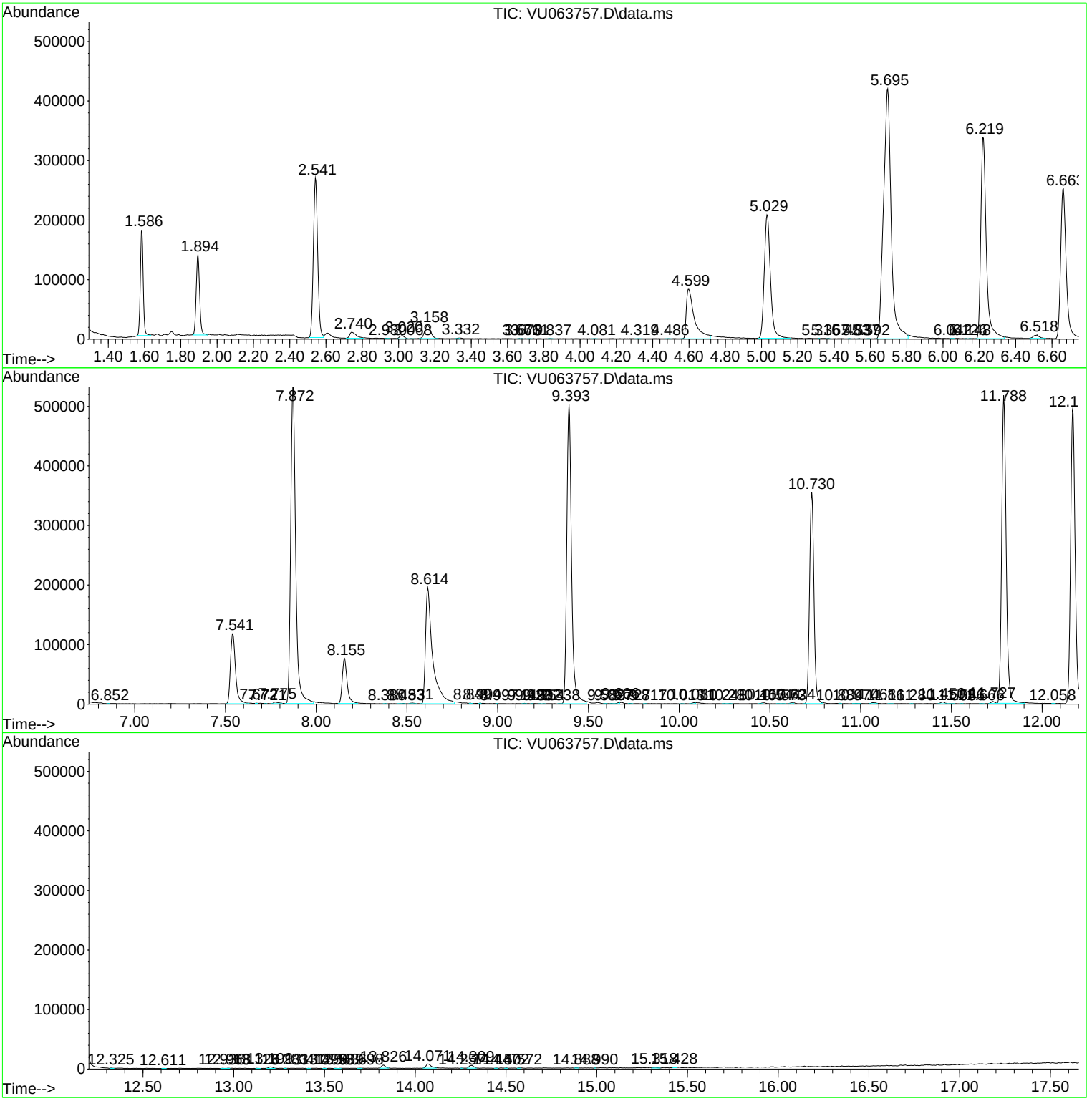
Sum of corrected areas: 9362552

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063757.D
Acq On : 21 Nov 2025 10:05
Operator : MD/SY
Sample : Q3688-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063757.D
Acq On : 21 Nov 2025 10:05
Operator : MD/SY
Sample : Q3688-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063757.D
Acq On : 21 Nov 2025 10:05
Operator : MD/SY
Sample : Q3688-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-11
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063760.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-11
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063760.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-11
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063760.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-11
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063760.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

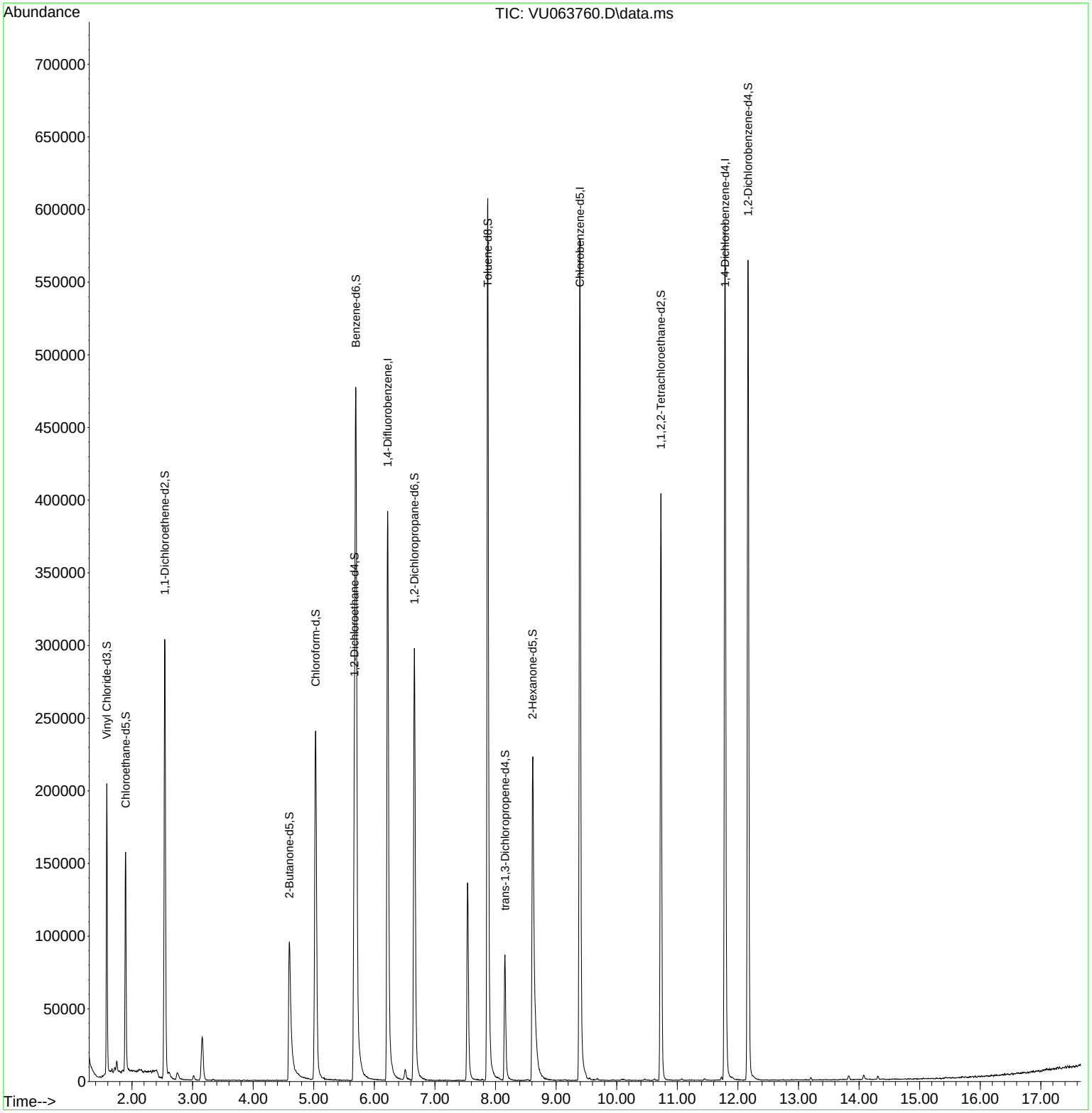
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063760.D
Acq On : 21 Nov 2025 11:18
Operator : MD/SY
Sample : Q3688-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251120

Quant Time: Nov 21 22:29:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063760.D
Acq On : 21 Nov 2025 11:18
Operator : MD/SY
Sample : Q3688-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251120

Quant Time: Nov 21 22:29:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	332509	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	326970	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	160342	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	132341	46.090	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.180%			
7) Chloroethane-d5	1.895	69	107581	48.632	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.260%			
11) 1,1-Dichloroethene-d2	2.541	63	184704	37.111	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 74.220%			
21) 2-Butanone-d5	4.595	46	145263	88.741	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 88.740%			
24) Chloroform-d	5.030	84	231890	48.134	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.260%			
26) 1,2-Dichloroethane-d4	5.669	65	156451	49.387	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.780%			
32) Benzene-d6	5.695	84	463266	48.337	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.680%			
36) 1,2-Dichloropropane-d6	6.660	67	137073	48.718	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.440%			
41) Toluene-d8	7.872	98	421957	46.370	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.740%			
43) trans-1,3-Dichloroprop...	8.155	79	49440	42.521	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.040%			
47) 2-Hexanone-d5	8.611	63	89216	87.212	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 87.210%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	193170	46.948	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 93.900%			
66) 1,2-Dichlorobenzene-d4	12.168	152	151651	50.102	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.200%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063760.D
Acq On : 21 Nov 2025 11:18
Operator : MD/SY
Sample : Q3688-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063760.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	106	rBV	199243	220541	15.82%	2.084%
2	1.895	179	188	202	rBV	150898	198249	14.22%	1.874%
3	2.541	376	389	405	rBV	302274	499384	35.82%	4.720%
4	2.747	444	453	469	rBV5	4538	11191	0.80%	0.106%
5	3.017	528	537	547	rBV3	3000	5095	0.37%	0.048%
6	3.158	566	581	607	rBV2	29800	71127	5.10%	0.672%
7	3.342	631	638	641	rBV4	912	1142	0.08%	0.011%
8	3.509	685	690	693	rVB2	342	243	0.02%	0.002%
9	3.602	713	719	725	rVB3	402	412	0.03%	0.004%
10	3.637	725	730	733	rBV	271	241	0.02%	0.002%
11	3.692	741	747	750	rVB2	308	256	0.02%	0.002%
12	3.737	757	761	766	rBV2	239	253	0.02%	0.002%
13	3.843	786	794	798	rBV2	443	656	0.05%	0.006%
14	3.904	810	813	818	rVB	420	359	0.03%	0.003%
15	4.126	878	882	886	rVB2	284	250	0.02%	0.002%
16	4.232	911	915	919	rBV2	299	340	0.02%	0.003%
17	4.319	938	942	947	rVB2	283	272	0.02%	0.003%
18	4.358	947	954	957	rBV2	285	293	0.02%	0.003%
19	4.390	961	964	970	rVB2	423	468	0.03%	0.004%
20	4.425	970	975	979	rBV	315	309	0.02%	0.003%
21	4.599	1016	1029	1060	rBV	95041	276609	19.84%	2.614%
22	5.030	1148	1163	1196	rBV	239574	553886	39.73%	5.235%
23	5.341	1256	1260	1263	rBV2	628	435	0.03%	0.004%
24	5.361	1263	1266	1269	rVB2	594	411	0.03%	0.004%
25	5.412	1279	1282	1286	rVB2	547	453	0.03%	0.004%
26	5.444	1286	1292	1295	rBV3	489	482	0.03%	0.005%
27	5.624	1341	1348	1350	rBV2	341	317	0.02%	0.003%
28	5.692	1350	1369	1412	rBV2	477121	1394111	100.00%	13.175%
29	6.219	1521	1533	1574	rBV	391575	817367	58.63%	7.725%
30	6.509	1613	1623	1632	rBV6	6565	12506	0.90%	0.118%
31	6.563	1638	1640	1644	rVB3	690	393	0.03%	0.004%
32	6.660	1657	1670	1699	rBV	297171	614221	44.06%	5.805%
33	6.853	1727	1730	1734	rVB4	634	435	0.03%	0.004%
34	6.917	1746	1750	1753	rBV2	419	330	0.02%	0.003%
35	7.068	1794	1797	1801	rBV2	457	315	0.02%	0.003%
36	7.126	1812	1815	1821	rVB2	389	351	0.03%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063760.D
Acq On : 21 Nov 2025 11:18
Operator : MD/SY
Sample : Q3688-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.425	1903	1908	1916	rVB2	373	360	0.03%	0.003%
38	7.537	1929	1943	1974	rBV	135774	259877	18.64%	2.456%
39	7.721	1998	2000	2004	rVB2	578	360	0.03%	0.003%
40	7.775	2016	2017	2019	rVV2	660	322	0.02%	0.003%
41	7.785	2019	2020	2026	rVB4	781	548	0.04%	0.005%
42	7.872	2034	2047	2077	rBV	606706	1139676	81.75%	10.771%
43	8.155	2124	2135	2156	rBV2	86259	158840	11.39%	1.501%
44	8.373	2199	2203	2204	rBV	510	258	0.02%	0.002%
45	8.492	2238	2240	2243	rBV2	319	245	0.02%	0.002%
46	8.534	2246	2253	2259	rVB3	781	1089	0.08%	0.010%
47	8.615	2264	2278	2325	rBV3	222910	592834	42.52%	5.603%
48	8.833	2344	2346	2351	rVB5	689	323	0.02%	0.003%
49	9.322	2493	2498	2500	rBV2	419	262	0.02%	0.002%
50	9.393	2507	2520	2557	rBV	579276	1051432	75.42%	9.937%
51	9.579	2577	2578	2584	rVB3	361	275	0.02%	0.003%
52	9.624	2590	2592	2596	rBV2	521	354	0.03%	0.003%
53	9.672	2601	2607	2608	rBV4	860	761	0.05%	0.007%
54	9.904	2675	2679	2683	rVV2	336	317	0.02%	0.003%
55	9.930	2683	2687	2689	rVV	500	358	0.03%	0.003%
56	9.943	2689	2691	2694	rVV	422	284	0.02%	0.003%
57	9.959	2694	2696	2703	rVB2	333	284	0.02%	0.003%
58	9.994	2703	2707	2711	rBV	264	245	0.02%	0.002%
59	10.081	2730	2734	2737	rBV3	729	734	0.05%	0.007%
60	10.116	2741	2745	2753	rVB3	792	835	0.06%	0.008%
61	10.328	2805	2811	2817	rBV2	255	364	0.03%	0.003%
62	10.380	2821	2827	2831	rBV2	287	306	0.02%	0.003%
63	10.463	2847	2853	2861	rVV	861	1041	0.07%	0.010%
64	10.550	2877	2880	2886	rVB2	364	289	0.02%	0.003%
65	10.595	2891	2894	2897	rVV2	358	324	0.02%	0.003%
66	10.624	2897	2903	2912	rVB4	950	1440	0.10%	0.014%
67	10.730	2923	2936	2958	rBV	403923	668546	47.96%	6.318%
68	10.872	2978	2980	2984	rVB2	448	244	0.02%	0.002%
69	10.968	3005	3010	3012	rBV2	275	246	0.02%	0.002%
70	11.071	3038	3042	3051	rVB4	1047	1501	0.11%	0.014%
71	11.200	3079	3082	3086	rVV2	347	260	0.02%	0.002%
72	11.393	3135	3142	3149	rVB2	200	376	0.03%	0.004%
73	11.451	3153	3160	3170	rVV	974	1668	0.12%	0.016%
74	11.621	3211	3213	3219	rBV2	334	391	0.03%	0.004%
75	11.653	3220	3223	3227	rVB	359	276	0.02%	0.003%
76	11.685	3229	3233	3239	rVB2	389	403	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063760.D
Acq On : 21 Nov 2025 11:18
Operator : MD/SY
Sample : Q3688-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.730	3239	3247	3251	rBV4	2334	3068	0.22%	0.029%
78	11.788	3252	3265	3290	rBV	590228	1012791	72.65%	9.572%
79	12.042	3340	3344	3349	rBB2	323	299	0.02%	0.003%
80	12.103	3359	3363	3366	rBV2	456	432	0.03%	0.004%
81	12.168	3370	3383	3406	rBV	564109	973058	69.80%	9.196%
82	12.364	3441	3444	3449	rVB4	373	277	0.02%	0.003%
83	12.946	3621	3625	3629	rBV3	338	342	0.02%	0.003%
84	13.139	3682	3685	3688	rBV2	418	285	0.02%	0.003%
85	13.203	3697	3705	3713	rVB6	1955	3024	0.22%	0.029%
86	13.254	3717	3721	3726	rBV2	387	416	0.03%	0.004%
87	13.611	3829	3832	3836	rBV2	322	253	0.02%	0.002%
88	13.669	3846	3850	3852	rBV	477	367	0.03%	0.003%
89	13.695	3853	3858	3863	rVV3	396	532	0.04%	0.005%
90	13.830	3893	3900	3910	rVB5	2662	4775	0.34%	0.045%
91	14.010	3953	3956	3959	rVB2	436	291	0.02%	0.003%
92	14.032	3959	3963	3965	rBV2	307	281	0.02%	0.003%
93	14.077	3972	3977	3989	rVB3	2874	4457	0.32%	0.042%
94	14.306	4043	4048	4049	rBV2	2118	1401	0.10%	0.013%
95	14.637	4148	4151	4156	rBV2	516	456	0.03%	0.004%
96	14.907	4232	4235	4237	rBV3	584	354	0.03%	0.003%
97	14.974	4253	4256	4258	rBV	579	327	0.02%	0.003%
98	15.061	4280	4283	4287	rVB3	707	528	0.04%	0.005%
99	15.357	4373	4375	4377	rBV2	544	323	0.02%	0.003%
100	15.701	4479	4482	4484	rBV3	1010	697	0.05%	0.007%

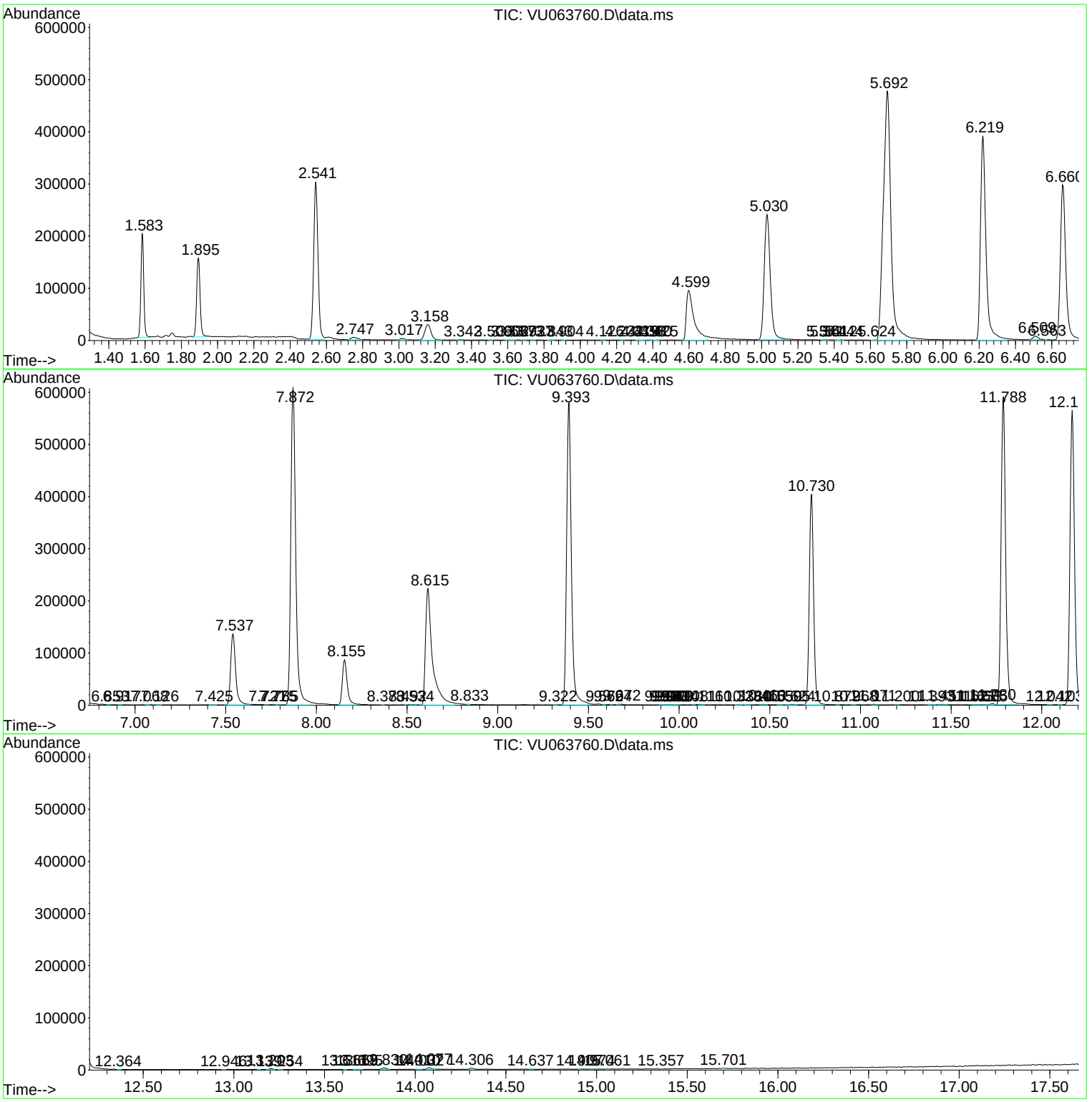
Sum of corrected areas: 10581285

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063760.D
Acq On : 21 Nov 2025 11:18
Operator : MD/SY
Sample : Q3688-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063760.D
Acq On : 21 Nov 2025 11:18
Operator : MD/SY
Sample : Q3688-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063760.D
Acq On : 21 Nov 2025 11:18
Operator : MD/SY
Sample : Q3688-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-18
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063777.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-18
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063777.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-18
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063777.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-18
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063777.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

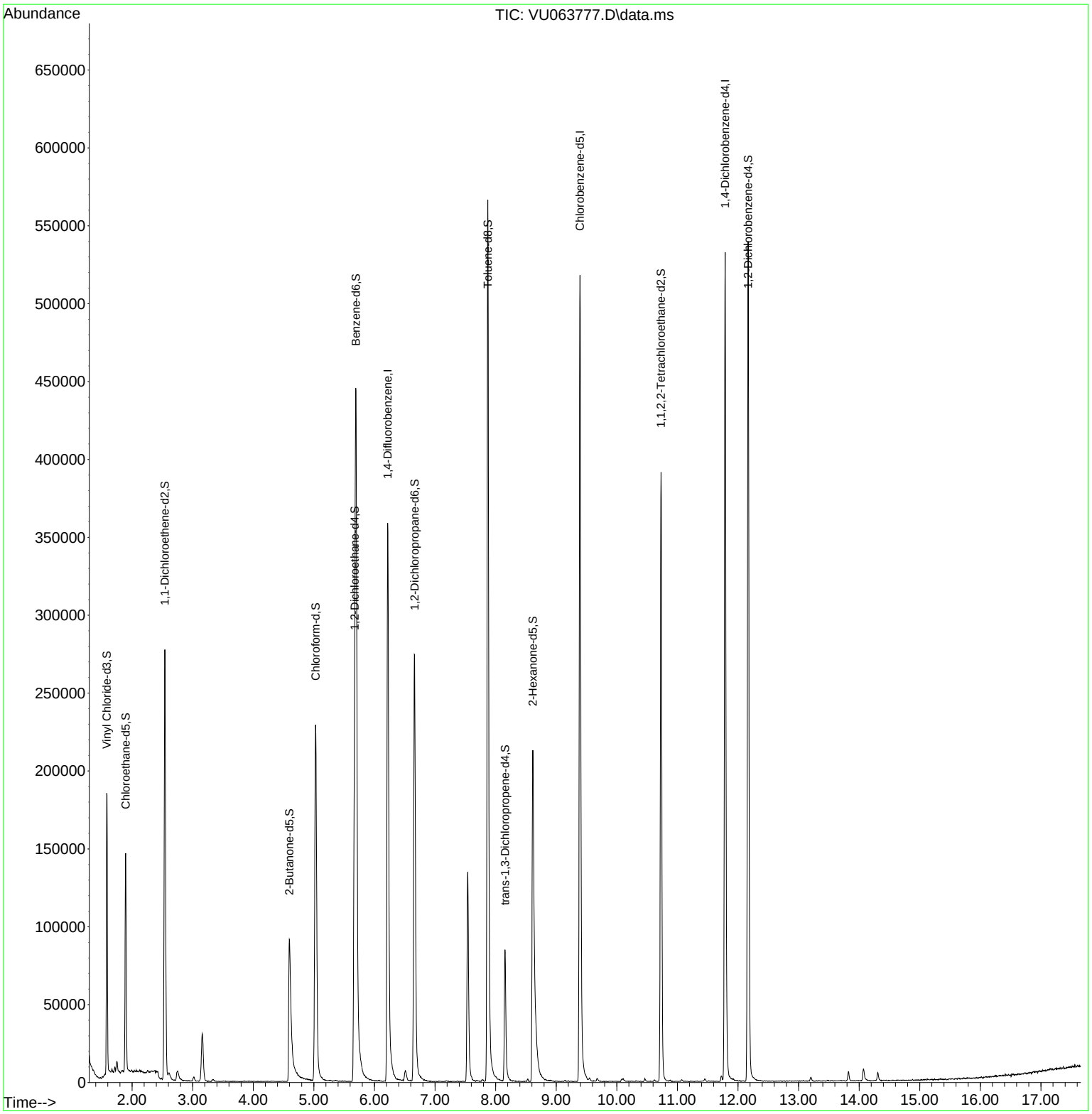
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063777.D
Acq On : 24 Nov 2025 15:02
Operator : MD/SY
Sample : Q3688-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251121

Quant Time: Nov 25 00:23:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063777.D
Acq On : 24 Nov 2025 15:02
Operator : MD/SY
Sample : Q3688-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251121

Quant Time: Nov 25 00:23:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	310245	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	296353	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	142928	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	119185	44.487	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.980%			
7) Chloroethane-d5	1.895	69	98489	47.717	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.440%			
11) 1,1-Dichloroethene-d2	2.541	63	166976	35.956	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.920%			
21) 2-Butanone-d5	4.595	46	138625	90.763	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 90.760%			
24) Chloroform-d	5.029	84	219372	48.804	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.600%			
26) 1,2-Dichloroethane-d4	5.673	65	151879	51.384	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.760%			
32) Benzene-d6	5.695	84	435301	50.111	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.220%			
36) 1,2-Dichloropropane-d6	6.663	67	129161	50.649	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.300%			
41) Toluene-d8	7.872	98	393721	47.737	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.480%			
43) trans-1,3-Dichloroprop...	8.155	79	49031	46.526	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.060%			
47) 2-Hexanone-d5	8.614	63	85074	91.755	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 91.760%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	189508	50.816	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 101.640%			
66) 1,2-Dichlorobenzene-d4	12.167	152	142828	52.936	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.880%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063777.D
Acq On : 24 Nov 2025 15:02
Operator : MD/SY
Sample : Q3688-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063777.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	104	rBV	180470	202006	15.32%	2.032%
2	1.895	180	188	205	rVB	139660	181985	13.80%	1.830%
3	2.541	377	389	405	rBV	275816	454103	34.44%	4.567%
4	2.753	444	455	468	rBV3	6049	15255	1.16%	0.153%
5	2.904	499	502	506	rVB3	555	412	0.03%	0.004%
6	2.936	506	512	514	rBV4	451	404	0.03%	0.004%
7	3.020	530	538	551	rVB5	2775	4953	0.38%	0.050%
8	3.158	564	581	601	rBV	30572	70523	5.35%	0.709%
9	3.261	610	613	616	rBV	336	242	0.02%	0.002%
10	3.319	625	631	632	rBV2	967	623	0.05%	0.006%
11	3.338	632	637	642	rVB5	1016	1318	0.10%	0.013%
12	3.579	707	712	716	rBV2	224	270	0.02%	0.003%
13	3.634	726	729	733	rVB	327	246	0.02%	0.002%
14	3.685	742	745	749	rVB2	304	275	0.02%	0.003%
15	3.711	749	753	756	rBV2	285	262	0.02%	0.003%
16	3.849	790	796	798	rVV2	464	376	0.03%	0.004%
17	4.595	1019	1028	1066	rBV	90944	271023	20.55%	2.726%
18	4.955	1138	1140	1144	rVB4	612	302	0.02%	0.003%
19	5.029	1148	1163	1193	rBV	228305	524698	39.79%	5.277%
20	5.322	1251	1254	1256	rBV2	373	285	0.02%	0.003%
21	5.354	1260	1264	1265	rBV3	435	301	0.02%	0.003%
22	5.467	1296	1299	1303	rVV2	457	313	0.02%	0.003%
23	5.509	1309	1312	1315	rVV3	313	271	0.02%	0.003%
24	5.525	1315	1317	1323	rVB2	321	263	0.02%	0.003%
25	5.692	1349	1369	1414	rBV2	445281	1318556	100.00%	13.262%
26	6.068	1481	1486	1488	rBV2	435	365	0.03%	0.004%
27	6.161	1511	1515	1521	rVB4	348	345	0.03%	0.003%
28	6.219	1521	1533	1581	rBV	358382	746999	56.65%	7.513%
29	6.470	1609	1611	1614	rVB2	594	316	0.02%	0.003%
30	6.508	1614	1623	1638	rBV2	6562	14851	1.13%	0.149%
31	6.592	1646	1649	1653	rVB3	586	417	0.03%	0.004%
32	6.660	1657	1670	1701	rBV	273858	575009	43.61%	5.783%
33	6.824	1718	1721	1728	rVB6	698	671	0.05%	0.007%
34	6.971	1764	1767	1772	rBV2	263	263	0.02%	0.003%
35	7.062	1791	1795	1799	rBV2	379	348	0.03%	0.004%
36	7.184	1829	1833	1835	rBV2	419	368	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063777.D
Acq On : 24 Nov 2025 15:02
Operator : MD/SY
Sample : Q3688-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.370	1882	1891	1897	rBV2	432	475	0.04%	0.005%
38	7.541	1931	1944	1968	rBV	134602	253685	19.24%	2.552%
39	7.656	1977	1980	1984	rVB3	561	492	0.04%	0.005%
40	7.685	1986	1989	1994	rBV4	520	584	0.04%	0.006%
41	7.782	2012	2019	2021	rBV4	972	1163	0.09%	0.012%
42	7.872	2031	2047	2089	rBV	565802	1065501	80.81%	10.717%
43	8.110	2119	2121	2124	rVB2	481	246	0.02%	0.002%
44	8.155	2124	2135	2162	rBV	84360	156104	11.84%	1.570%
45	8.287	2173	2176	2183	rBV4	432	430	0.03%	0.004%
46	8.380	2202	2205	2208	rBV2	398	317	0.02%	0.003%
47	8.499	2236	2242	2246	rVB2	247	309	0.02%	0.003%
48	8.531	2246	2252	2259	rBV3	1691	1948	0.15%	0.020%
49	8.614	2267	2278	2317	rBV2	212536	567812	43.06%	5.711%
50	8.897	2363	2366	2369	rVB2	541	420	0.03%	0.004%
51	8.991	2391	2395	2399	rVV	431	378	0.03%	0.004%
52	9.010	2399	2401	2407	rVB	455	474	0.04%	0.005%
53	9.045	2407	2412	2419	rBV2	359	404	0.03%	0.004%
54	9.148	2436	2444	2447	rBV4	832	1053	0.08%	0.011%
55	9.203	2459	2461	2467	rVB2	518	378	0.03%	0.004%
56	9.312	2489	2495	2500	rBV2	222	257	0.02%	0.003%
57	9.393	2507	2520	2560	rBV	517629	944810	71.65%	9.503%
58	9.679	2601	2609	2623	rVV6	1862	3261	0.25%	0.033%
59	9.785	2640	2642	2647	rVB2	352	268	0.02%	0.003%
60	9.814	2647	2651	2654	rBV	244	251	0.02%	0.003%
61	9.875	2664	2670	2673	rBV2	269	330	0.03%	0.003%
62	10.084	2727	2735	2739	rBV6	1677	2676	0.20%	0.027%
63	10.251	2782	2787	2792	rVB2	336	382	0.03%	0.004%
64	10.315	2803	2807	2813	rBV2	473	403	0.03%	0.004%
65	10.463	2845	2853	2859	rBV5	2005	2503	0.19%	0.025%
66	10.621	2897	2902	2908	rVV2	1029	1220	0.09%	0.012%
67	10.730	2920	2936	2967	rBV2	391150	655005	49.68%	6.588%
68	10.865	2975	2978	2980	rBV2	509	378	0.03%	0.004%
69	10.975	3007	3012	3015	rBV2	222	240	0.02%	0.002%
70	11.074	3036	3043	3049	rVV3	1104	1741	0.13%	0.018%
71	11.219	3084	3088	3092	rVV2	460	430	0.03%	0.004%
72	11.241	3092	3095	3100	rVB2	267	242	0.02%	0.002%
73	11.325	3119	3121	3128	rVB	351	287	0.02%	0.003%
74	11.450	3155	3160	3173	rVB4	1626	2577	0.20%	0.026%
75	11.566	3193	3196	3202	rVB2	258	239	0.02%	0.002%
76	11.637	3214	3218	3222	rBV2	228	294	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063777.D
Acq On : 24 Nov 2025 15:02
Operator : MD/SY
Sample : Q3688-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.727	3239	3246	3252	rBV5	3536	5519	0.42%	0.056%
78	11.788	3253	3265	3287	rBV	531205	904249	68.58%	9.095%
79	11.994	3327	3329	3335	rVB3	484	355	0.03%	0.004%
80	12.167	3368	3383	3409	rBV	539255	928376	70.41%	9.338%
81	12.438	3461	3467	3469	rBV2	476	538	0.04%	0.005%
82	12.807	3574	3582	3587	rBV3	505	759	0.06%	0.008%
83	13.019	3643	3648	3651	rBV2	521	461	0.03%	0.005%
84	13.045	3651	3656	3660	rVV	355	378	0.03%	0.004%
85	13.129	3677	3682	3685	rVB3	327	304	0.02%	0.003%
86	13.167	3689	3694	3697	rBV2	341	322	0.02%	0.003%
87	13.203	3697	3705	3712	rBV8	2444	4179	0.32%	0.042%
88	13.296	3732	3734	3740	rVB2	354	310	0.02%	0.003%
89	13.335	3740	3746	3747	rBV3	366	342	0.03%	0.003%
90	13.405	3763	3768	3773	rBV2	374	451	0.03%	0.005%
91	13.479	3788	3791	3794	rVB2	546	394	0.03%	0.004%
92	13.499	3794	3797	3803	rVB2	452	336	0.03%	0.003%
93	13.791	3884	3888	3890	rBV3	380	344	0.03%	0.003%
94	13.823	3890	3898	3910	rVB4	5919	9634	0.73%	0.097%
95	14.071	3965	3975	3988	rBV3	7707	15495	1.18%	0.156%
96	14.196	4011	4014	4018	rBV2	287	290	0.02%	0.003%
97	14.309	4040	4049	4065	rVV3	5345	8985	0.68%	0.090%
98	14.505	4107	4110	4115	rBV2	379	365	0.03%	0.004%
99	15.132	4303	4305	4307	rBV	642	276	0.02%	0.003%
100	15.322	4361	4364	4367	rBV2	533	416	0.03%	0.004%

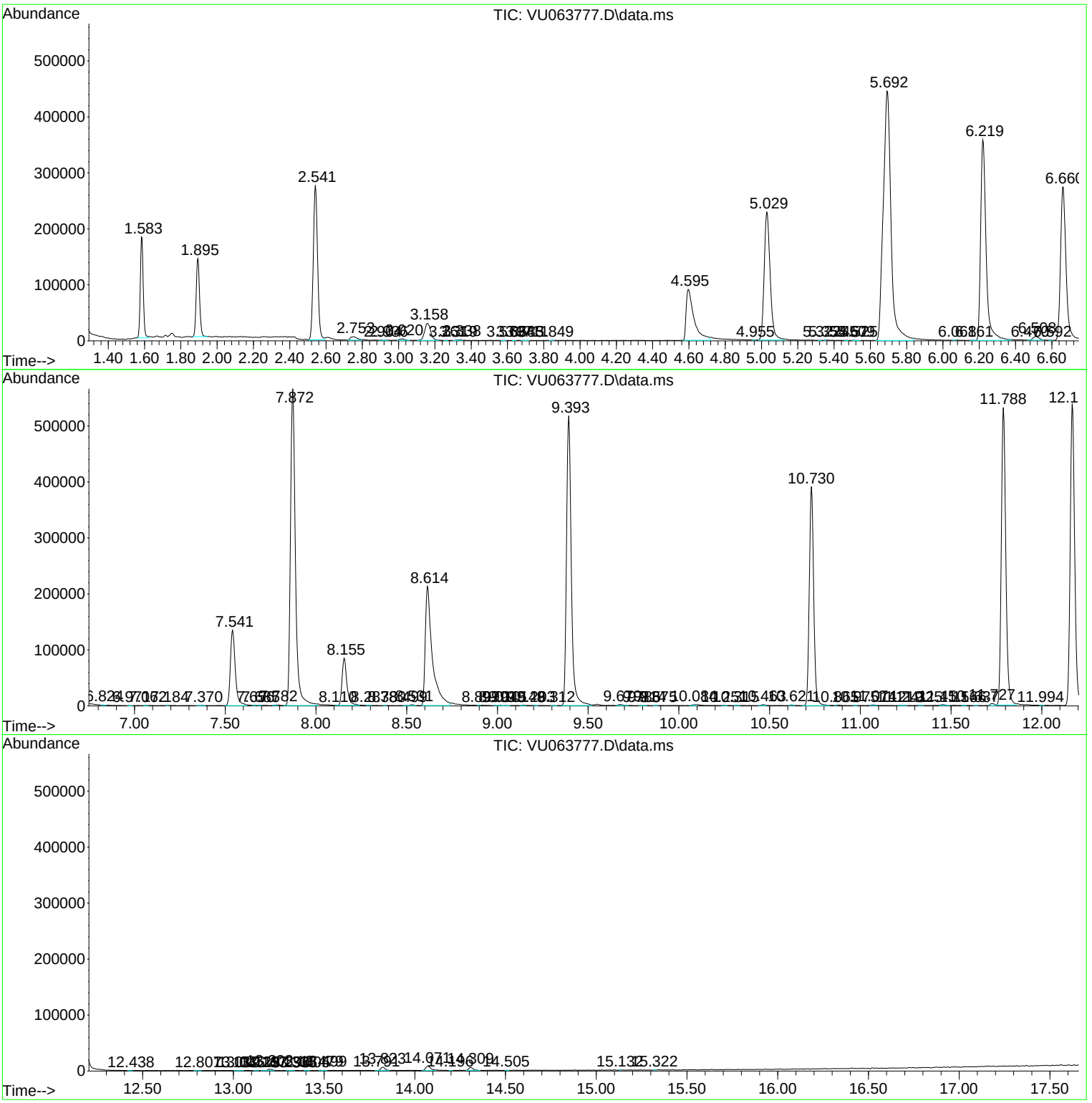
Sum of corrected areas: 9942262

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063777.D
Acq On : 24 Nov 2025 15:02
Operator : MD/SY
Sample : Q3688-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063777.D
Acq On : 24 Nov 2025 15:02
Operator : MD/SY
Sample : Q3688-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063777.D
Acq On : 24 Nov 2025 15:02
Operator : MD/SY
Sample : Q3688-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-22
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063779.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-22
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063779.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-22
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063779.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-22
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063779.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

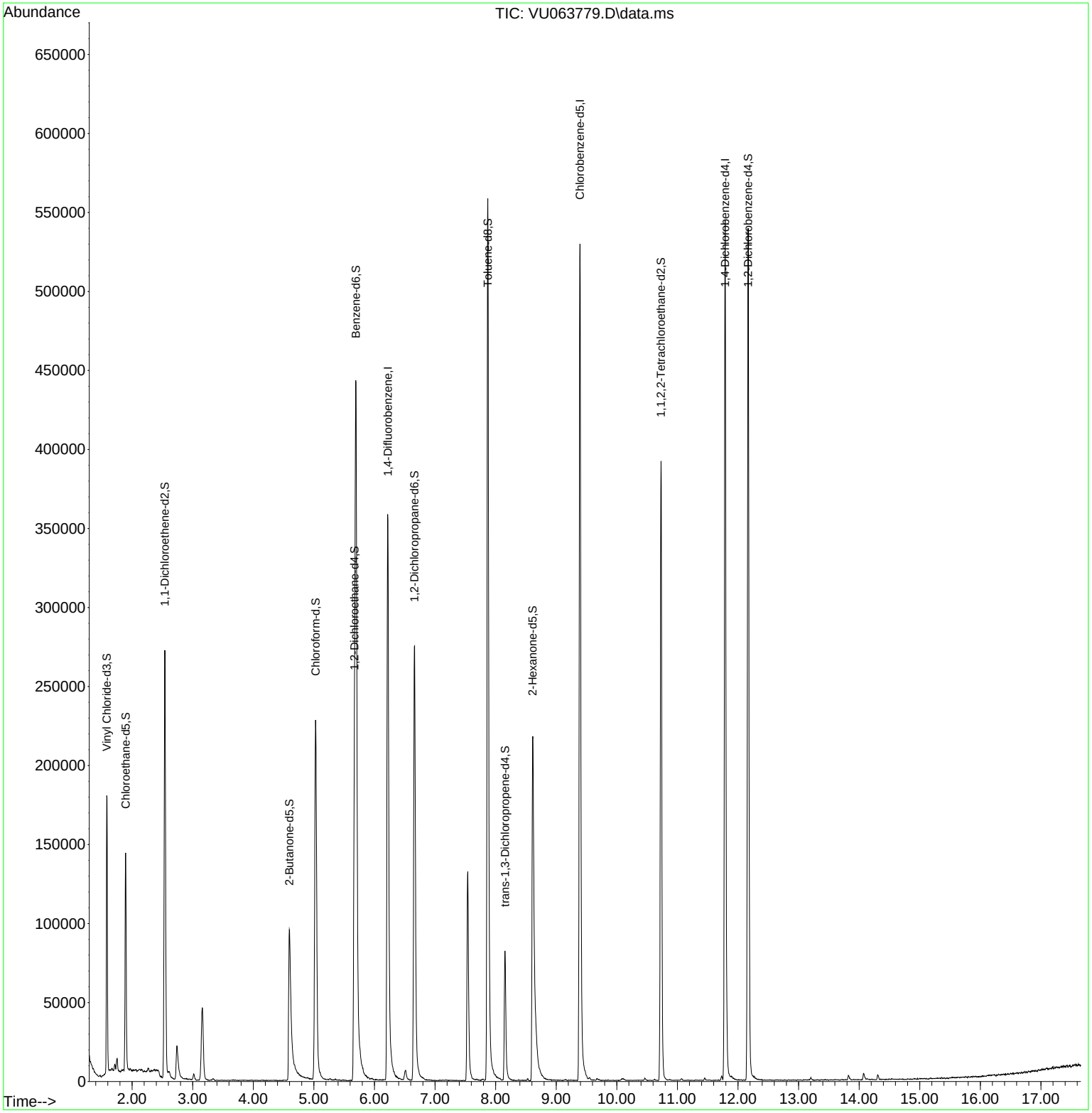
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063779.D
Acq On : 24 Nov 2025 15:50
Operator : MD/SY
Sample : Q3688-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251124

Quant Time: Nov 25 00:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063779.D
Acq On : 24 Nov 2025 15:50
Operator : MD/SY
Sample : Q3688-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251124

Quant Time: Nov 25 00:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	318489	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	304247	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	146449	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	116041	42.193	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.380%			
7) Chloroethane-d5	1.894	69	98968	46.708	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.420%			
11) 1,1-Dichloroethene-d2	2.541	63	165982	34.817	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.640%			
21) 2-Butanone-d5	4.595	46	135910	86.682	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 86.680%			
24) Chloroform-d	5.029	84	222987	48.324	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.640%			
26) 1,2-Dichloroethane-d4	5.669	65	148570	48.963	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.920%			
32) Benzene-d6	5.695	84	430088	48.227	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.460%			
36) 1,2-Dichloropropane-d6	6.660	67	130459	49.830	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.660%			
41) Toluene-d8	7.872	98	392317	46.333	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.660%			
43) trans-1,3-Dichloroprop...	8.155	79	47085	43.520	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.040%			
47) 2-Hexanone-d5	8.611	63	84406	88.673	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 88.670%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	189300	49.443	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.880%			
66) 1,2-Dichlorobenzene-d4	12.167	152	142618	51.587	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.180%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063779.D
Acq On : 24 Nov 2025 15:50
Operator : MD/SY
Sample : Q3688-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063779.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	102	rBV	175690	194798	14.92%	1.944%
2	1.894	179	188	201	rBV	137946	183283	14.03%	1.829%
3	2.541	377	389	404	rBV	270613	447438	34.26%	4.466%
4	2.740	440	451	474	rBV2	20998	52114	3.99%	0.520%
5	3.017	530	537	545	rBV3	3495	5010	0.38%	0.050%
6	3.081	552	557	559	rBV	218	222	0.02%	0.002%
7	3.158	565	581	600	rBV	45729	109458	8.38%	1.092%
8	3.264	611	614	617	rVB2	378	227	0.02%	0.002%
9	3.296	618	624	625	rBV	319	304	0.02%	0.003%
10	3.335	630	636	648	rVB6	1234	2257	0.17%	0.023%
11	3.637	724	730	732	rBV	211	257	0.02%	0.003%
12	3.672	736	741	744	rVV3	456	427	0.03%	0.004%
13	3.849	792	796	800	rBV	235	225	0.02%	0.002%
14	3.949	823	827	831	rBV2	285	217	0.02%	0.002%
15	3.978	832	836	841	rVB2	427	304	0.02%	0.003%
16	4.135	880	885	887	rBV2	246	244	0.02%	0.002%
17	4.219	908	911	915	rVB2	350	227	0.02%	0.002%
18	4.390	961	964	967	rVB2	314	199	0.02%	0.002%
19	4.595	1018	1028	1053	rBV	95075	263555	20.18%	2.630%
20	4.939	1133	1135	1136	rBV2	459	196	0.02%	0.002%
21	5.029	1148	1163	1185	rBV	227396	525049	40.20%	5.240%
22	5.264	1230	1236	1238	rBV3	841	993	0.08%	0.010%
23	5.319	1248	1253	1257	rBV2	401	354	0.03%	0.004%
24	5.354	1261	1264	1269	rVB5	737	661	0.05%	0.007%
25	5.463	1295	1298	1300	rBV	308	228	0.02%	0.002%
26	5.595	1337	1339	1341	rBV	301	195	0.01%	0.002%
27	5.692	1348	1369	1400	rBV2	443213	1306006	100.00%	13.034%
28	6.020	1469	1471	1473	rVB3	441	227	0.02%	0.002%
29	6.036	1473	1476	1478	rBV	314	215	0.02%	0.002%
30	6.087	1490	1492	1496	rVB2	382	220	0.02%	0.002%
31	6.135	1504	1507	1510	rBV2	462	267	0.02%	0.003%
32	6.155	1510	1513	1519	rBV3	417	529	0.04%	0.005%
33	6.219	1521	1533	1565	rBV	357971	757806	58.02%	7.563%
34	6.515	1613	1625	1639	rBV6	5937	13262	1.02%	0.132%
35	6.663	1657	1671	1702	rBV	274776	582254	44.58%	5.811%
36	6.997	1771	1775	1779	rBV3	246	223	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063779.D
Acq On : 24 Nov 2025 15:50
Operator : MD/SY
Sample : Q3688-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.068	1793	1797	1799	rBV	397	246	0.02%	0.002%
38	7.116	1807	1812	1816	rBV3	356	360	0.03%	0.004%
39	7.357	1884	1887	1892	rBV2	242	189	0.01%	0.002%
40	7.541	1932	1944	1972	rBV	132112	250233	19.16%	2.497%
41	7.717	1997	1999	2002	rVB2	457	264	0.02%	0.003%
42	7.737	2002	2005	2009	rBV3	237	213	0.02%	0.002%
43	7.778	2012	2018	2020	rBV3	813	902	0.07%	0.009%
44	7.791	2020	2022	2029	rVB3	716	649	0.05%	0.006%
45	7.872	2034	2047	2084	rBV	557932	1064589	81.51%	10.625%
46	8.155	2125	2135	2159	rVV2	81715	150197	11.50%	1.499%
47	8.261	2166	2168	2172	rVB2	508	364	0.03%	0.004%
48	8.351	2191	2196	2201	rBV2	314	396	0.03%	0.004%
49	8.386	2201	2207	2210	rVB4	525	488	0.04%	0.005%
50	8.441	2220	2224	2227	rVB2	438	324	0.02%	0.003%
51	8.524	2247	2250	2251	rBV	955	470	0.04%	0.005%
52	8.576	2264	2266	2267	rBV	365	201	0.02%	0.002%
53	8.614	2267	2278	2325	rVV3	217760	578194	44.27%	5.771%
54	8.917	2370	2372	2375	rVB2	615	330	0.03%	0.003%
55	8.949	2375	2382	2386	rBV3	447	417	0.03%	0.004%
56	9.029	2405	2407	2412	rVB3	331	205	0.02%	0.002%
57	9.116	2431	2434	2436	rBV	308	196	0.02%	0.002%
58	9.203	2457	2461	2469	rBV2	395	491	0.04%	0.005%
59	9.325	2496	2499	2507	rVB2	285	345	0.03%	0.003%
60	9.393	2507	2520	2561	rBV	529581	977887	74.88%	9.760%
61	9.669	2600	2606	2607	rBV4	1057	767	0.06%	0.008%
62	9.762	2631	2635	2638	rBV	342	322	0.02%	0.003%
63	9.856	2661	2664	2667	rBV	477	331	0.03%	0.003%
64	10.081	2728	2734	2736	rBV2	1027	921	0.07%	0.009%
65	10.460	2846	2852	2866	rVB5	1488	2280	0.17%	0.023%
66	10.624	2898	2903	2911	rVB4	802	850	0.07%	0.008%
67	10.663	2912	2915	2920	rVB2	287	245	0.02%	0.002%
68	10.730	2923	2936	2970	rBV	391976	658721	50.44%	6.574%
69	11.064	3036	3040	3041	rBV	856	577	0.04%	0.006%
70	11.177	3070	3075	3078	rVB	297	283	0.02%	0.003%
71	11.293	3107	3111	3114	rBV2	361	315	0.02%	0.003%
72	11.364	3130	3133	3136	rBV2	308	216	0.02%	0.002%
73	11.450	3153	3160	3165	rBV3	1607	1909	0.15%	0.019%
74	11.592	3201	3204	3209	rVB	275	237	0.02%	0.002%
75	11.618	3209	3212	3215	rBV2	339	266	0.02%	0.003%
76	11.679	3228	3231	3235	rVB	454	301	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063779.D
Acq On : 24 Nov 2025 15:50
Operator : MD/SY
Sample : Q3688-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.730	3240	3247	3253	rBV5	2714	3594	0.28%	0.036%
78	11.788	3253	3265	3291	rBV	544003	928237	71.07%	9.264%
79	12.045	3341	3345	3347	rBV2	399	357	0.03%	0.004%
80	12.093	3356	3360	3363	rBV	425	365	0.03%	0.004%
81	12.167	3370	3383	3407	rBV	539067	919584	70.41%	9.178%
82	12.399	3452	3455	3458	rVB3	550	313	0.02%	0.003%
83	12.527	3493	3495	3500	rVB2	423	293	0.02%	0.003%
84	12.634	3520	3528	3531	rBV2	316	508	0.04%	0.005%
85	12.833	3585	3590	3594	rBV	334	467	0.04%	0.005%
86	12.894	3604	3609	3611	rBV2	380	332	0.03%	0.003%
87	13.080	3663	3667	3671	rBV	478	431	0.03%	0.004%
88	13.171	3692	3695	3698	rBV2	342	268	0.02%	0.003%
89	13.203	3698	3705	3715	rVV6	1668	2192	0.17%	0.022%
90	13.277	3724	3728	3730	rBV	247	196	0.02%	0.002%
91	13.367	3753	3756	3757	rBV	339	211	0.02%	0.002%
92	13.425	3771	3774	3777	rBV2	282	212	0.02%	0.002%
93	13.441	3777	3779	3783	rVV2	426	334	0.03%	0.003%
94	13.479	3786	3791	3797	rVB3	440	604	0.05%	0.006%
95	13.518	3797	3803	3806	rBV3	454	558	0.04%	0.006%
96	13.704	3858	3861	3864	rBV2	350	300	0.02%	0.003%
97	13.823	3891	3898	3904	rBV5	2974	4314	0.33%	0.043%
98	14.074	3970	3976	3989	rBV2	3940	6761	0.52%	0.067%
99	14.306	4042	4048	4050	rBV4	2974	2804	0.21%	0.028%
100	14.447	4089	4092	4094	rBV	412	257	0.02%	0.003%

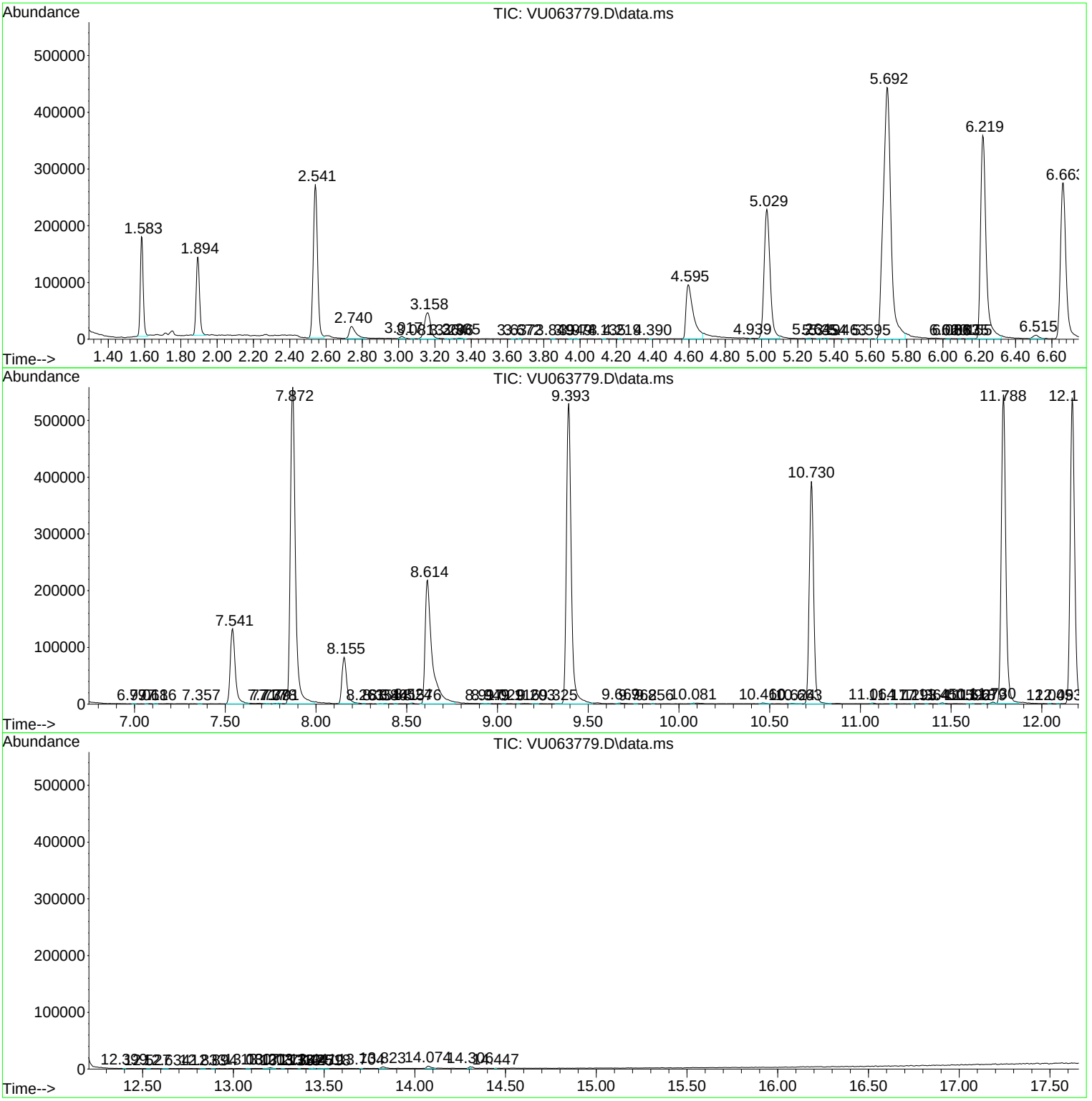
Sum of corrected areas: 10019634

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063779.D
Acq On : 24 Nov 2025 15:50
Operator : MD/SY
Sample : Q3688-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251124

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063779.D
Acq On : 24 Nov 2025 15:50
Operator : MD/SY
Sample : Q3688-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RBGW-20251124

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063779.D
Acq On : 24 Nov 2025 15:50
Operator : MD/SY
Sample : Q3688-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : RBGW-20251124

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-05
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063758.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-05
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063758.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-05
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063758.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-05
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063758.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

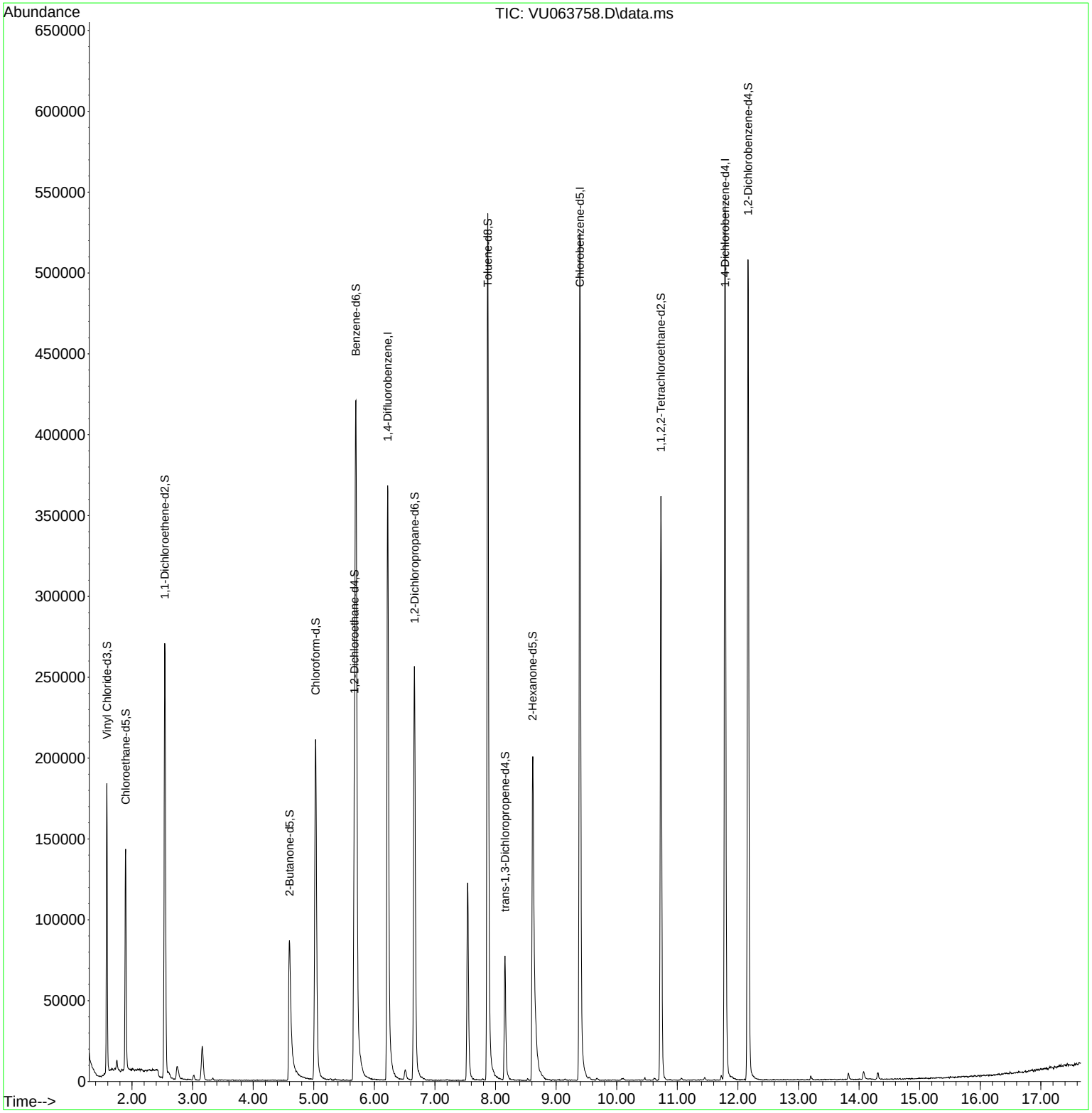
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063758.D
Acq On : 21 Nov 2025 10:30
Operator : MD/SY
Sample : Q3688-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251119

Quant Time: Nov 21 22:29:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063758.D
Acq On : 21 Nov 2025 10:30
Operator : MD/SY
Sample : Q3688-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251119

Quant Time: Nov 21 22:29:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	314462	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	303888	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	146623	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	119854	44.137	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.280%			
7) Chloroethane-d5	1.894	69	96315	46.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.080%			
11) 1,1-Dichloroethene-d2	2.541	63	164441	34.936	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.880%			
21) 2-Butanone-d5	4.599	46	133540	86.261	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 86.260%			
24) Chloroform-d	5.029	84	203004	44.556	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.120%			
26) 1,2-Dichloroethane-d4	5.669	65	141074	47.088	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.180%			
32) Benzene-d6	5.695	84	410871	46.126	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.260%			
36) 1,2-Dichloropropane-d6	6.663	67	119342	45.638	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.280%			
41) Toluene-d8	7.872	98	372538	44.049	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.100%			
43) trans-1,3-Dichloroprop...	8.155	79	43488	40.243	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.480%			
47) 2-Hexanone-d5	8.611	63	78892	82.978	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 82.980%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	173701	45.423	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.840%			
66) 1,2-Dichlorobenzene-d4	12.167	152	132677	47.935	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.860%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063758.D
Acq On : 21 Nov 2025 10:30
Operator : MD/SY
Sample : Q3688-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063758.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	84	92	103	rBV	178697	198364	15.99%	2.088%
2	1.894	180	188	205	rVB	136144	176882	14.26%	1.862%
3	2.541	377	389	403	rBV	268707	444300	35.82%	4.678%
4	2.747	443	453	472	rBV4	7727	19491	1.57%	0.205%
5	3.023	528	539	547	rBV3	3052	5312	0.43%	0.056%
6	3.158	566	581	600	rBV	20780	48056	3.87%	0.506%
7	3.335	629	636	641	rVV4	1326	1746	0.14%	0.018%
8	3.409	655	659	664	rVB2	270	264	0.02%	0.003%
9	3.602	715	719	724	rVB2	223	216	0.02%	0.002%
10	3.656	731	736	738	rBV2	244	231	0.02%	0.002%
11	3.701	743	750	753	rBV2	274	284	0.02%	0.003%
12	3.779	770	774	779	rVB2	338	318	0.03%	0.003%
13	3.814	779	785	790	rBV2	215	237	0.02%	0.002%
14	3.853	792	797	801	rVB3	344	370	0.03%	0.004%
15	3.894	807	810	815	rVB2	331	224	0.02%	0.002%
16	4.000	839	843	846	rBV	361	325	0.03%	0.003%
17	4.065	859	863	866	rVV2	365	265	0.02%	0.003%
18	4.107	872	876	882	rBV2	200	242	0.02%	0.003%
19	4.364	953	956	963	rVB2	359	348	0.03%	0.004%
20	4.418	967	973	977	rBV	252	314	0.03%	0.003%
21	4.599	1015	1029	1063	rBV	86492	254413	20.51%	2.678%
22	4.943	1134	1136	1140	rVB3	370	202	0.02%	0.002%
23	5.029	1148	1163	1190	rBV	210168	485282	39.13%	5.109%
24	5.319	1251	1253	1256	rVB2	599	385	0.03%	0.004%
25	5.351	1256	1263	1271	rBV4	936	1630	0.13%	0.017%
26	5.435	1285	1289	1293	rVB	394	314	0.03%	0.003%
27	5.486	1302	1305	1309	rVB	466	292	0.02%	0.003%
28	5.541	1320	1322	1325	rVV	350	207	0.02%	0.002%
29	5.695	1348	1370	1421	rBV2	420485	1240245	100.00%	13.057%
30	5.962	1451	1453	1455	rVB	712	320	0.03%	0.003%
31	5.981	1455	1459	1462	rBV3	289	263	0.02%	0.003%
32	6.065	1482	1485	1489	rVB2	346	294	0.02%	0.003%
33	6.177	1515	1520	1522	rBV3	402	386	0.03%	0.004%
34	6.219	1522	1533	1567	rBV	367582	754524	60.84%	7.944%
35	6.512	1614	1624	1643	rVB8	5905	13223	1.07%	0.139%
36	6.660	1657	1670	1703	rBV	255710	535406	43.17%	5.637%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063758.D
Acq On : 21 Nov 2025 10:30
Operator : MD/SY
Sample : Q3688-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.917	1746	1750	1751	rBV3	463	293	0.02%	0.003%
38	7.058	1790	1794	1800	rBV2	306	275	0.02%	0.003%
39	7.184	1828	1833	1836	rBV3	363	307	0.02%	0.003%
40	7.206	1836	1840	1842	rBV2	335	254	0.02%	0.003%
41	7.344	1878	1883	1886	rVB	309	292	0.02%	0.003%
42	7.383	1890	1895	1898	rVV2	216	207	0.02%	0.002%
43	7.541	1932	1944	1963	rBV	122038	227428	18.34%	2.394%
44	7.788	2016	2021	2024	rBV3	799	778	0.06%	0.008%
45	7.872	2034	2047	2073	rBV	535887	1001516	80.75%	10.544%
46	8.155	2124	2135	2159	rBV	76679	139555	11.25%	1.469%
47	8.405	2211	2213	2219	rVB	259	201	0.02%	0.002%
48	8.528	2246	2251	2261	rBV5	1226	1680	0.14%	0.018%
49	8.614	2267	2278	2327	rBV2	200258	543332	43.81%	5.720%
50	8.840	2346	2348	2351	rBV2	341	229	0.02%	0.002%
51	8.936	2375	2378	2380	rBV3	554	408	0.03%	0.004%
52	8.965	2385	2387	2390	rVV3	427	287	0.02%	0.003%
53	9.032	2402	2408	2413	rVB	466	595	0.05%	0.006%
54	9.094	2422	2427	2428	rBV2	224	211	0.02%	0.002%
55	9.142	2436	2442	2444	rBV3	693	672	0.05%	0.007%
56	9.219	2462	2466	2469	rVV	266	218	0.02%	0.002%
57	9.251	2473	2476	2480	rBV2	370	310	0.02%	0.003%
58	9.393	2502	2520	2561	rBV	524020	968104	78.06%	10.192%
59	9.663	2598	2604	2605	rBV	1009	670	0.05%	0.007%
60	9.759	2630	2634	2637	rBV2	250	199	0.02%	0.002%
61	9.811	2648	2650	2657	rVB2	393	289	0.02%	0.003%
62	9.846	2657	2661	2664	rBV2	264	209	0.02%	0.002%
63	9.926	2682	2686	2688	rBV	289	231	0.02%	0.002%
64	10.077	2728	2733	2734	rBV2	885	617	0.05%	0.006%
65	10.415	2835	2838	2842	rVB2	297	245	0.02%	0.003%
66	10.463	2846	2853	2858	rBV2	1554	1565	0.13%	0.016%
67	10.618	2896	2901	2904	rBV3	1151	1139	0.09%	0.012%
68	10.685	2918	2922	2923	rBV2	440	263	0.02%	0.003%
69	10.730	2923	2936	2954	rBV	360989	601642	48.51%	6.334%
70	11.032	3025	3030	3032	rBV	378	305	0.02%	0.003%
71	11.065	3035	3040	3049	rVV3	1181	1849	0.15%	0.019%
72	11.129	3054	3060	3063	rBV2	234	276	0.02%	0.003%
73	11.257	3096	3100	3106	rBV	330	425	0.03%	0.004%
74	11.335	3121	3124	3127	rBV2	269	262	0.02%	0.003%
75	11.380	3132	3138	3140	rBV	376	347	0.03%	0.004%
76	11.454	3154	3161	3169	rVB2	1486	2170	0.17%	0.023%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063758.D
Acq On : 21 Nov 2025 10:30
Operator : MD/SY
Sample : Q3688-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.618	3209	3212	3215	rVB2	409	253	0.02%	0.003%
78	11.724	3239	3245	3252	rBV4	2830	3944	0.32%	0.042%
79	11.788	3252	3265	3290	rBV	544605	921967	74.34%	9.706%
80	11.981	3323	3325	3330	rVB2	441	332	0.03%	0.003%
81	12.052	3344	3347	3351	rVV	461	303	0.02%	0.003%
82	12.109	3361	3365	3370	rVB3	730	519	0.04%	0.005%
83	12.167	3370	3383	3406	rBV	507502	861057	69.43%	9.065%
84	12.383	3447	3450	3456	rVB3	299	297	0.02%	0.003%
85	12.434	3464	3466	3468	rBV	462	245	0.02%	0.003%
86	12.534	3495	3497	3504	rVB3	378	390	0.03%	0.004%
87	12.569	3504	3508	3510	rBV	379	266	0.02%	0.003%
88	12.634	3525	3528	3530	rBV2	337	249	0.02%	0.003%
89	13.058	3657	3660	3663	rBV2	304	272	0.02%	0.003%
90	13.203	3699	3705	3711	rBV3	2446	3128	0.25%	0.033%
91	13.788	3884	3887	3890	rBV2	388	283	0.02%	0.003%
92	13.823	3891	3898	3907	rVV3	3837	5595	0.45%	0.059%
93	13.942	3933	3935	3939	rBV3	337	258	0.02%	0.003%
94	14.000	3951	3953	3956	rBV	433	269	0.02%	0.003%
95	14.074	3968	3976	3995	rBV2	4668	9214	0.74%	0.097%
96	14.306	4043	4048	4049	rBV3	3170	2523	0.20%	0.027%
97	14.476	4096	4101	4107	rBV3	396	508	0.04%	0.005%
98	14.862	4217	4221	4223	rBV	621	444	0.04%	0.005%
99	15.270	4346	4348	4352	rBV3	571	299	0.02%	0.003%
100	15.508	4418	4422	4424	rBV3	1085	859	0.07%	0.009%

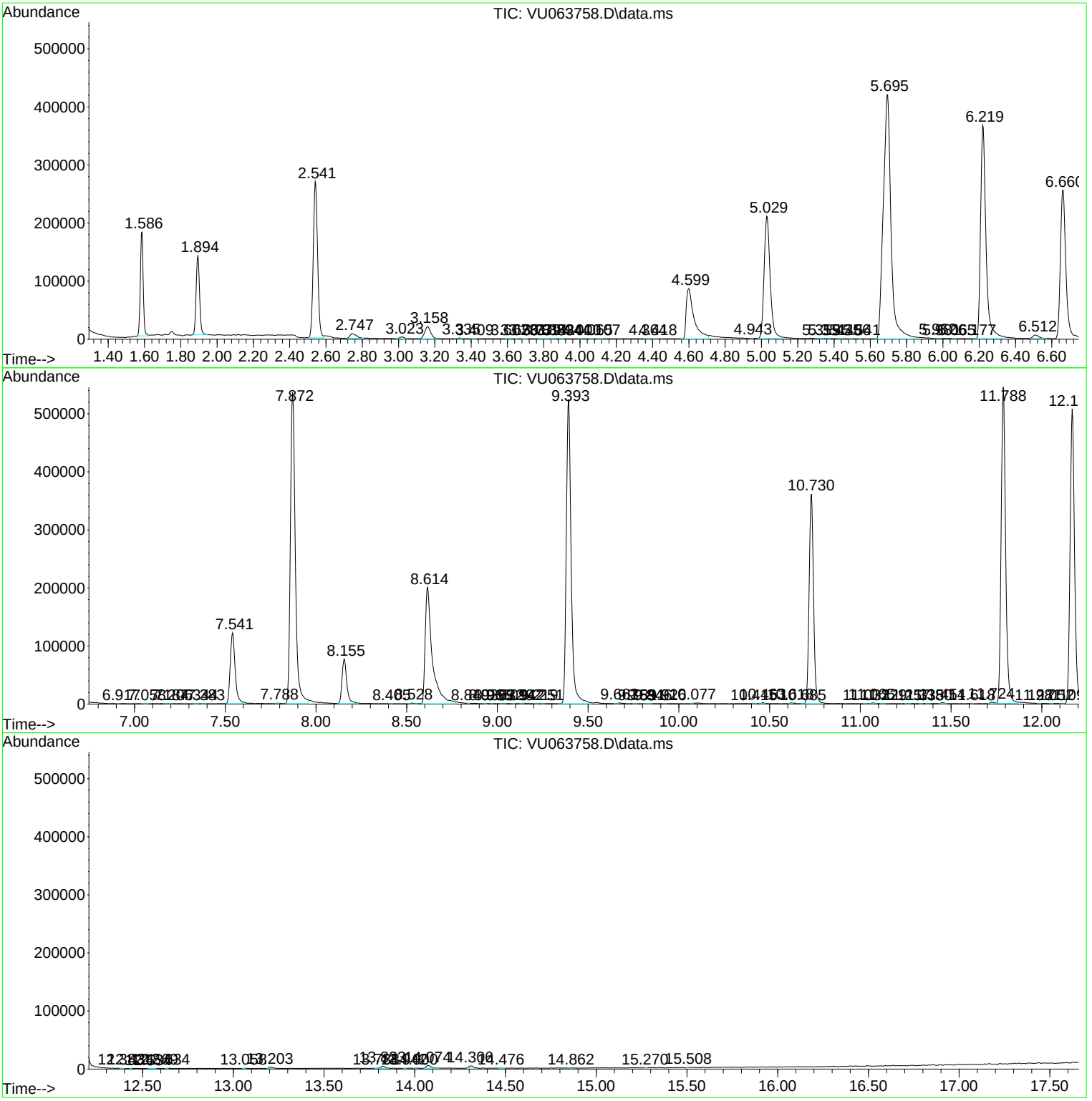
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063758.D
Acq On : 21 Nov 2025 10:30
Operator : MD/SY
Sample : Q3688-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063758.D
Acq On : 21 Nov 2025 10:30
Operator : MD/SY
Sample : Q3688-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063758.D
Acq On : 21 Nov 2025 10:30
Operator : MD/SY
Sample : Q3688-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-14
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063761.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-14
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063761.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-14
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063761.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-14
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063761.D
% Solids :
Date Received : 11/20/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

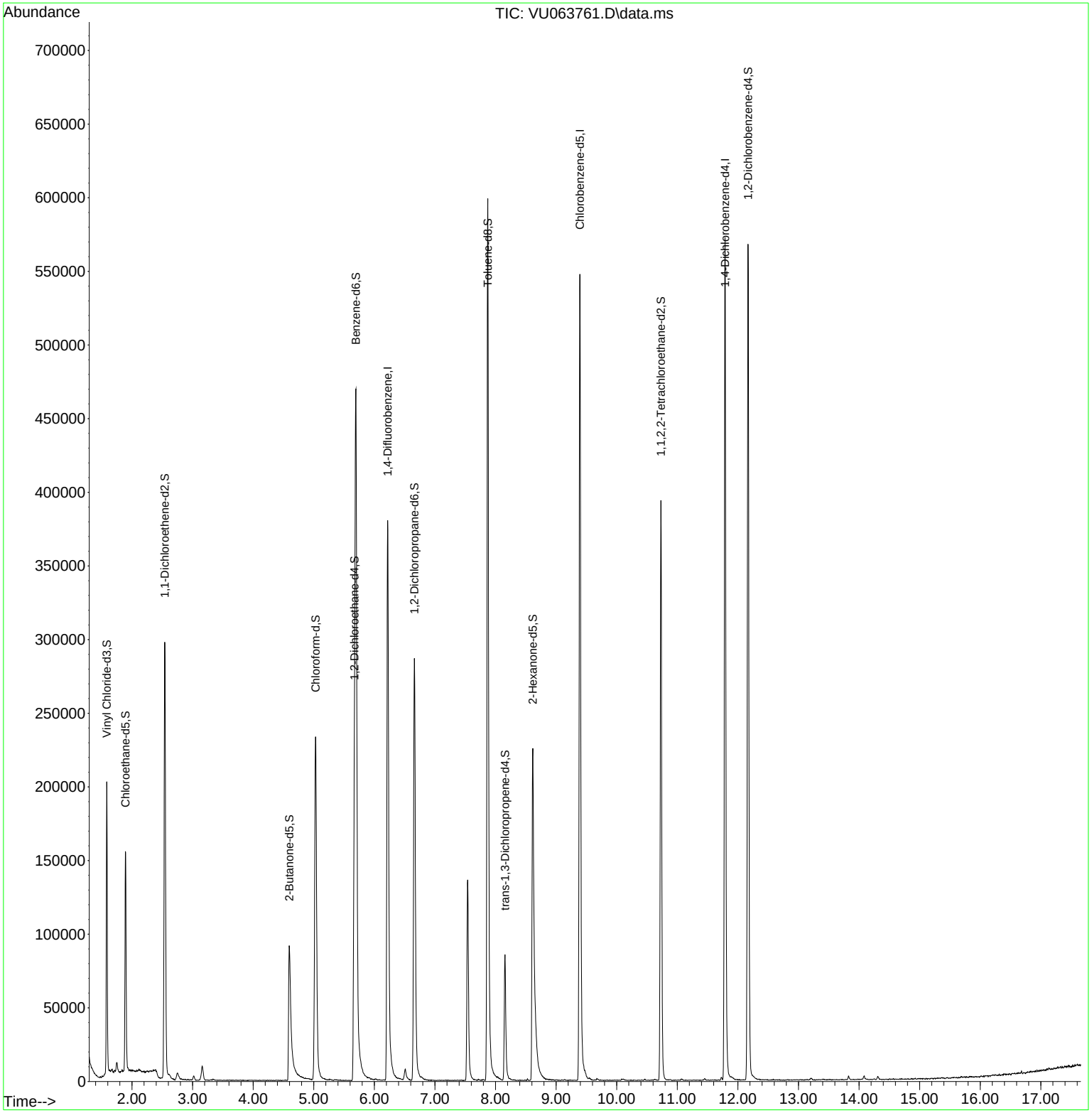
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063761.D
Acq On : 21 Nov 2025 11:42
Operator : MD/SY
Sample : Q3688-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251120

Quant Time: Nov 21 22:29:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063761.D
Acq On : 21 Nov 2025 11:42
Operator : MD/SY
Sample : Q3688-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251120

Quant Time: Nov 21 22:29:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	326351	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	308379	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	152685	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	130479	46.299	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.600%			
7) Chloroethane-d5	1.891	69	106280	48.951	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.900%			
11) 1,1-Dichloroethene-d2	2.541	63	180164	36.882	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.760%			
21) 2-Butanone-d5	4.595	46	138373	86.127	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 86.130%			
24) Chloroform-d	5.030	84	224159	47.407	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.820%			
26) 1,2-Dichloroethane-d4	5.669	65	155588	50.041	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.080%			
32) Benzene-d6	5.695	84	445698	49.307	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.620%			
36) 1,2-Dichloropropane-d6	6.660	67	129994	48.988	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.980%			
41) Toluene-d8	7.872	98	415283	48.388	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.780%			
43) trans-1,3-Dichloroprop...	8.155	79	48337	44.079	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.160%			
47) 2-Hexanone-d5	8.615	63	86024	89.162	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.160%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	185997	47.930	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.860%			
66) 1,2-Dichlorobenzene-d4	12.168	152	147851	51.296	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.600%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063761.D
Acq On : 21 Nov 2025 11:42
Operator : MD/SY
Sample : Q3688-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063761.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	104	rBV	197210	214564	15.64%	2.098%
2	1.891	179	187	199	rBV	148820	193413	14.10%	1.891%
3	2.541	377	389	407	rBV	295632	489092	35.65%	4.783%
4	2.750	442	454	467	rBV4	4731	12483	0.91%	0.122%
5	2.814	471	474	478	rVB2	596	456	0.03%	0.004%
6	2.927	507	509	516	rVB3	560	435	0.03%	0.004%
7	2.959	516	519	525	rBV2	417	438	0.03%	0.004%
8	3.020	530	538	549	rVV7	2940	5061	0.37%	0.049%
9	3.113	563	567	568	rBV	394	258	0.02%	0.003%
10	3.158	568	581	597	rVB	9682	21681	1.58%	0.212%
11	3.290	617	622	623	rBV2	270	244	0.02%	0.002%
12	3.332	631	635	637	rBV	755	579	0.04%	0.006%
13	3.438	664	668	673	rVV3	261	289	0.02%	0.003%
14	3.570	704	709	713	rVB2	347	296	0.02%	0.003%
15	3.727	754	758	765	rVB2	327	392	0.03%	0.004%
16	3.792	775	778	786	rVB2	354	441	0.03%	0.004%
17	3.830	786	790	792	rBV	348	252	0.02%	0.002%
18	3.930	817	821	824	rBV2	353	327	0.02%	0.003%
19	4.235	909	916	920	rVB2	373	400	0.03%	0.004%
20	4.264	920	925	931	rBV2	296	404	0.03%	0.004%
21	4.338	944	948	954	rBV2	344	347	0.03%	0.003%
22	4.377	954	960	963	rBV	399	398	0.03%	0.004%
23	4.534	1007	1009	1016	rVB2	361	298	0.02%	0.003%
24	4.595	1016	1028	1070	rBV	91568	271874	19.82%	2.659%
25	5.030	1147	1163	1195	rBV	232792	542868	39.57%	5.309%
26	5.341	1255	1260	1264	rBV4	689	834	0.06%	0.008%
27	5.695	1347	1370	1422	rBV2	469569	1371861	100.00%	13.415%
28	6.219	1521	1533	1572	rBV	380078	789314	57.54%	7.719%
29	6.512	1612	1624	1643	rVB5	7165	15909	1.16%	0.156%
30	6.660	1656	1670	1702	rBV	286380	596429	43.48%	5.832%
31	6.837	1722	1725	1731	rVB6	648	710	0.05%	0.007%
32	7.046	1785	1790	1796	rBV2	204	333	0.02%	0.003%
33	7.110	1805	1810	1815	rBV2	291	359	0.03%	0.004%
34	7.181	1829	1832	1838	rVB4	498	473	0.03%	0.005%
35	7.213	1838	1842	1845	rBV3	468	379	0.03%	0.004%
36	7.435	1907	1911	1915	rVB2	311	255	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063761.D
Acq On : 21 Nov 2025 11:42
Operator : MD/SY
Sample : Q3688-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.541	1931	1944	1977	rBV2	136230	254528	18.55%	2.489%
38	7.714	1993	1998	2002	rBV4	769	727	0.05%	0.007%
39	7.775	2014	2017	2020	rBV	441	283	0.02%	0.003%
40	7.798	2020	2024	2033	rVB4	677	1030	0.08%	0.010%
41	7.872	2033	2047	2077	rBV	598747	1108577	80.81%	10.841%
42	8.155	2123	2135	2156	rBV	85259	154748	11.28%	1.513%
43	8.328	2187	2189	2193	rVB3	428	246	0.02%	0.002%
44	8.483	2233	2237	2239	rBV	366	279	0.02%	0.003%
45	8.528	2245	2251	2255	rBV4	1206	1194	0.09%	0.012%
46	8.615	2263	2278	2327	rBV2	225426	591475	43.11%	5.784%
47	8.843	2346	2349	2352	rBV3	376	310	0.02%	0.003%
48	8.869	2355	2357	2361	rVB3	544	292	0.02%	0.003%
49	8.936	2375	2378	2383	rBV3	340	279	0.02%	0.003%
50	8.955	2383	2384	2390	rVB3	468	339	0.02%	0.003%
51	8.988	2390	2394	2397	rBV	303	250	0.02%	0.002%
52	9.007	2397	2400	2404	rBV4	323	260	0.02%	0.003%
53	9.090	2420	2426	2428	rBV2	478	434	0.03%	0.004%
54	9.139	2436	2441	2447	rBV4	585	717	0.05%	0.007%
55	9.206	2459	2462	2465	rBV	280	256	0.02%	0.003%
56	9.229	2467	2469	2474	rVV2	415	286	0.02%	0.003%
57	9.393	2507	2520	2544	rBV	547300	982173	71.59%	9.605%
58	9.669	2602	2606	2608	rBV2	983	670	0.05%	0.007%
59	9.730	2622	2625	2628	rBV2	393	282	0.02%	0.003%
60	9.846	2658	2661	2665	rVV2	344	250	0.02%	0.002%
61	10.081	2728	2734	2737	rBV3	931	937	0.07%	0.009%
62	10.203	2769	2772	2779	rVB2	266	310	0.02%	0.003%
63	10.235	2779	2782	2788	rVB	492	396	0.03%	0.004%
64	10.415	2833	2838	2844	rVB2	452	534	0.04%	0.005%
65	10.460	2844	2852	2854	rBV3	939	968	0.07%	0.009%
66	10.528	2870	2873	2879	rVB2	343	355	0.03%	0.003%
67	10.566	2879	2885	2888	rBV2	422	475	0.03%	0.005%
68	10.730	2924	2936	2961	rBV	393696	650177	47.39%	6.358%
69	10.881	2979	2983	2993	rVB3	751	1285	0.09%	0.013%
70	11.068	3037	3041	3044	rBV3	824	815	0.06%	0.008%
71	11.277	3099	3106	3112	rVB2	266	383	0.03%	0.004%
72	11.454	3155	3161	3169	rVB2	1082	1420	0.10%	0.014%
73	11.679	3225	3231	3235	rBV2	362	429	0.03%	0.004%
74	11.727	3240	3246	3252	rBV3	2031	2751	0.20%	0.027%
75	11.788	3252	3265	3292	rBV	571831	962993	70.20%	9.417%
76	11.971	3317	3322	3326	rBV5	335	419	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063761.D
Acq On : 21 Nov 2025 11:42
Operator : MD/SY
Sample : Q3688-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	12.032	3339	3341	3345	rVB3	452	290	0.02%	0.003%
78	12.065	3345	3351	3353	rBV3	312	342	0.02%	0.003%
79	12.168	3369	3383	3404	rBV	567401	951799	69.38%	9.308%
80	12.370	3444	3446	3451	rBV2	393	299	0.02%	0.003%
81	12.557	3501	3504	3508	rBV3	328	250	0.02%	0.002%
82	12.582	3508	3512	3517	rBV2	523	350	0.03%	0.003%
83	12.849	3592	3595	3598	rBV2	414	318	0.02%	0.003%
84	13.071	3660	3664	3670	rVB3	370	350	0.03%	0.003%
85	13.119	3675	3679	3683	rBV2	407	330	0.02%	0.003%
86	13.180	3694	3698	3700	rBV2	335	301	0.02%	0.003%
87	13.193	3700	3702	3703	rBV	550	261	0.02%	0.003%
88	13.296	3731	3734	3741	rBV3	329	460	0.03%	0.004%
89	13.402	3764	3767	3771	rVB2	428	351	0.03%	0.003%
90	13.563	3813	3817	3820	rBV3	404	335	0.02%	0.003%
91	13.827	3894	3899	3908	rVB5	2322	2893	0.21%	0.028%
92	14.084	3972	3979	3984	rVV4	2119	2772	0.20%	0.027%
93	14.309	4044	4049	4059	rVB7	2018	3100	0.23%	0.030%
94	14.499	4104	4108	4109	rBV2	428	335	0.02%	0.003%
95	14.759	4187	4189	4194	rVB3	436	275	0.02%	0.003%
96	15.055	4279	4281	4283	rBV	574	377	0.03%	0.004%
97	15.110	4295	4298	4303	rVB3	642	551	0.04%	0.005%
98	15.180	4317	4320	4321	rBV2	489	289	0.02%	0.003%
99	15.228	4333	4335	4337	rBV	442	290	0.02%	0.003%
100	15.267	4345	4347	4351	rBV2	602	545	0.04%	0.005%

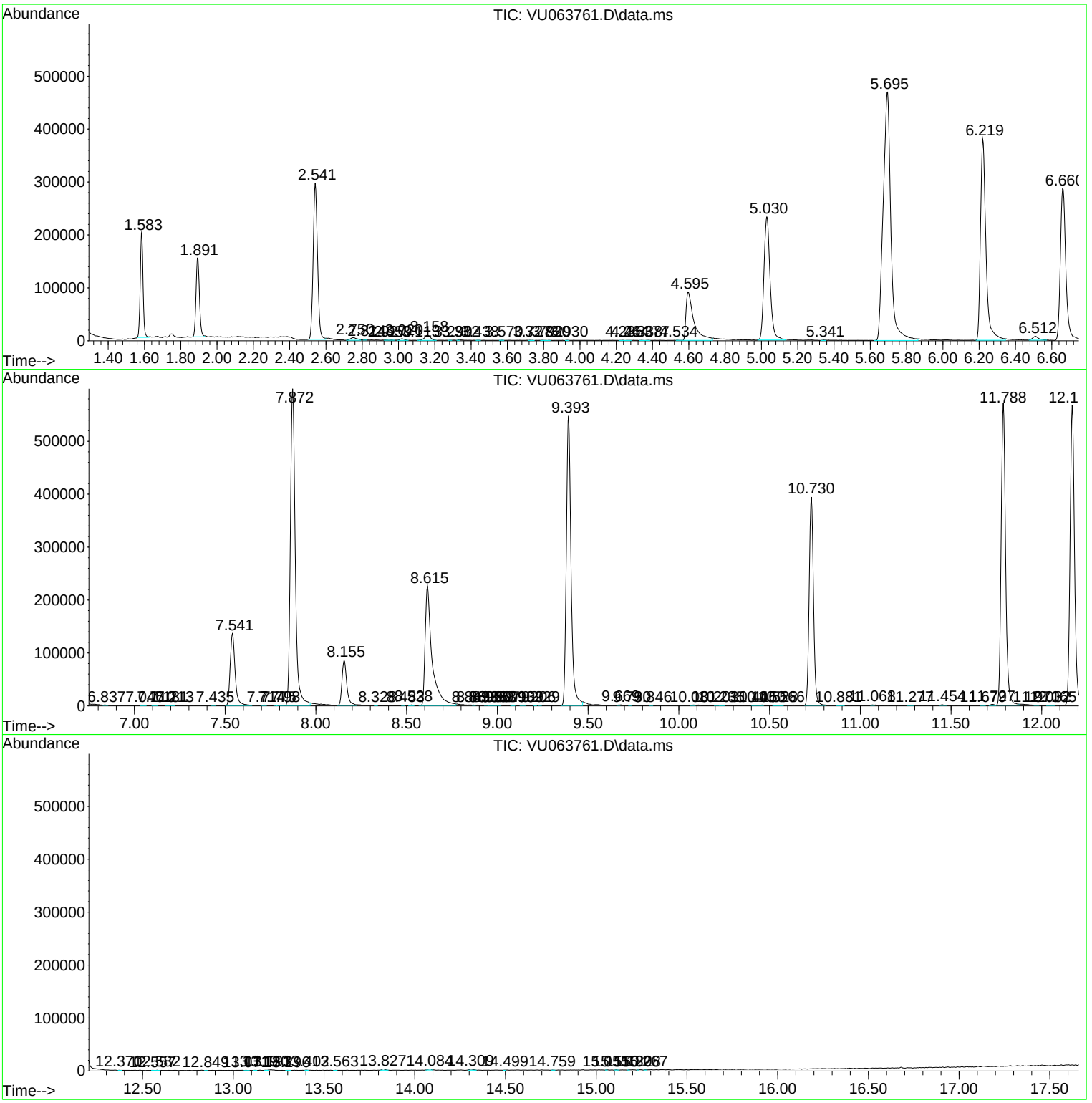
Sum of corrected areas: 10226141

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063761.D
Acq On : 21 Nov 2025 11:42
Operator : MD/SY
Sample : Q3688-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063761.D
Acq On : 21 Nov 2025 11:42
Operator : MD/SY
Sample : Q3688-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063761.D
Acq On : 21 Nov 2025 11:42
Operator : MD/SY
Sample : Q3688-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251120

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-21
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063778.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-21
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063778.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-21
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063778.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-21
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063778.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

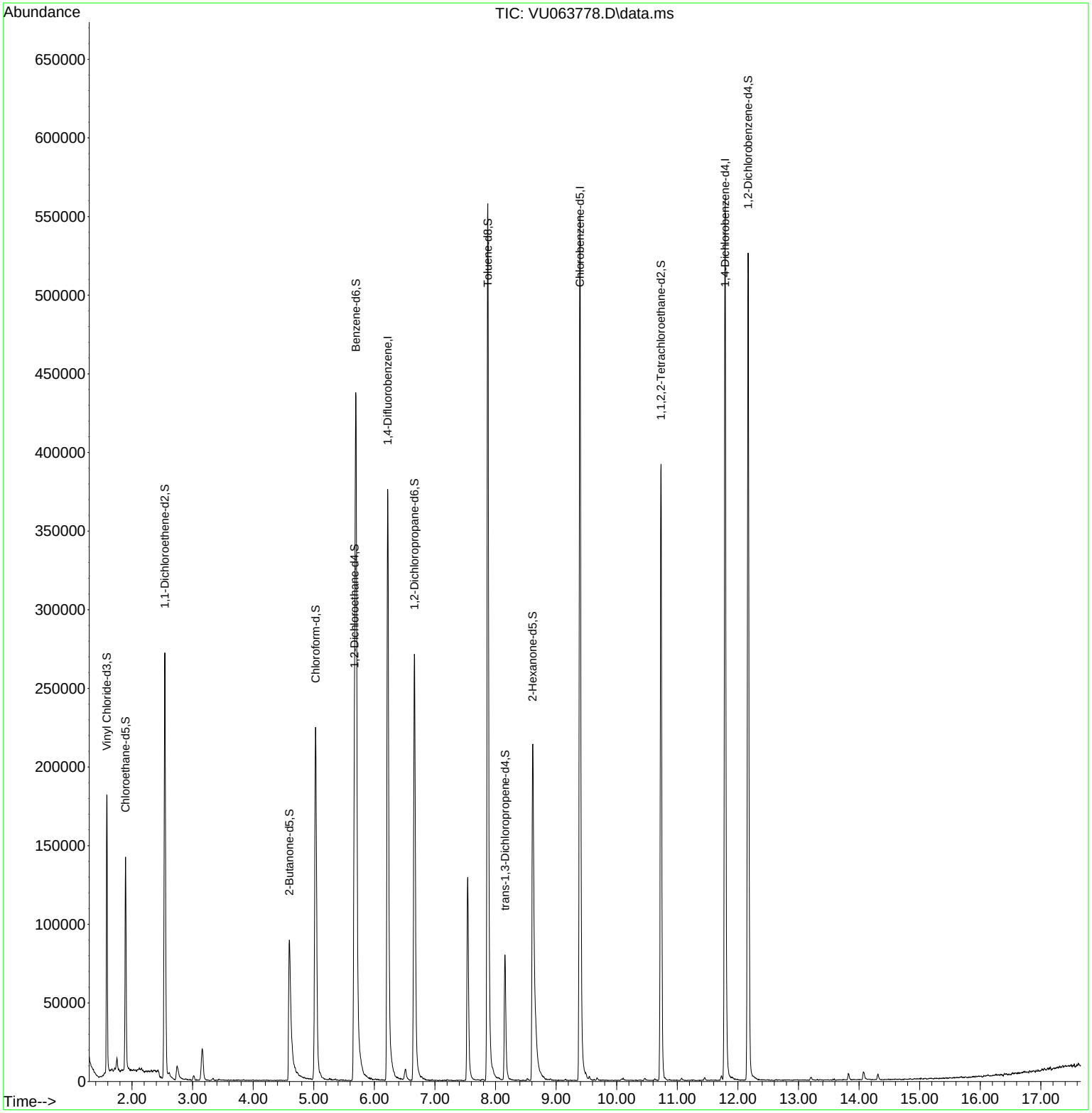
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063778.D
Acq On : 24 Nov 2025 15:26
Operator : MD/SY
Sample : Q3688-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251121

Quant Time: Nov 25 00:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063778.D
Acq On : 24 Nov 2025 15:26
Operator : MD/SY
Sample : Q3688-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251121

Quant Time: Nov 25 00:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	332213	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	311963	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	151705	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	114348	39.859	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 79.720%			
7) Chloroethane-d5	1.892	69	96536	43.678	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.360%			
11) 1,1-Dichloroethene-d2	2.541	63	165762	33.335	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.660%			
21) 2-Butanone-d5	4.596	46	137590	84.128	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 84.130%			
24) Chloroform-d	5.030	84	213022	44.257	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.520%			
26) 1,2-Dichloroethane-d4	5.669	65	151175	47.764	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.520%			
32) Benzene-d6	5.695	84	427717	46.775	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.540%			
36) 1,2-Dichloropropane-d6	6.660	67	129080	48.084	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.160%			
41) Toluene-d8	7.872	98	391350	45.075	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.160%			
43) trans-1,3-Dichloroprop...	8.155	79	47574	42.885	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.760%			
47) 2-Hexanone-d5	8.611	63	82863	84.899	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 84.900%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	186889	47.606	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.220%			
66) 1,2-Dichlorobenzene-d4	12.168	152	141043	49.250	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.500%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063778.D
Acq On : 24 Nov 2025 15:26
Operator : MD/SY
Sample : Q3688-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063778.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	103	rBV	176337	193419	14.89%	1.950%
2	1.892	179	187	204	rBV	135013	175137	13.48%	1.765%
3	2.541	377	389	405	rBV	270399	445968	34.33%	4.495%
4	2.744	442	452	468	rBV2	8897	23066	1.78%	0.233%
5	3.017	528	537	549	rBV3	3033	5660	0.44%	0.057%
6	3.065	549	552	554	rBV2	517	305	0.02%	0.003%
7	3.158	566	581	603	rBV	19897	46969	3.62%	0.473%
8	3.309	625	628	630	rVV2	353	279	0.02%	0.003%
9	3.338	630	637	643	rVB4	1398	2007	0.15%	0.020%
10	3.393	651	654	658	rBV2	273	251	0.02%	0.003%
11	3.432	662	666	669	rBV2	737	607	0.05%	0.006%
12	3.596	711	717	721	rBV	429	472	0.04%	0.005%
13	3.679	739	743	745	rVB	440	263	0.02%	0.003%
14	3.734	757	760	764	rBV2	324	270	0.02%	0.003%
15	4.280	924	930	933	rBV2	241	302	0.02%	0.003%
16	4.358	951	954	959	rVB2	329	288	0.02%	0.003%
17	4.390	959	964	967	rBV2	314	328	0.03%	0.003%
18	4.454	981	984	989	rVV2	296	273	0.02%	0.003%
19	4.538	1004	1010	1017	rBV	377	567	0.04%	0.006%
20	4.596	1017	1028	1056	rBV2	89327	254654	19.60%	2.567%
21	5.030	1147	1163	1184	rBV	223817	510511	39.30%	5.146%
22	5.290	1242	1244	1248	rVB2	727	489	0.04%	0.005%
23	5.345	1257	1261	1263	rBV2	547	397	0.03%	0.004%
24	5.361	1263	1266	1270	rVB4	750	525	0.04%	0.005%
25	5.387	1273	1274	1279	rVB3	313	257	0.02%	0.003%
26	5.432	1285	1288	1291	rBV	464	372	0.03%	0.004%
27	5.692	1350	1369	1415	rBV2	437322	1299058	100.00%	13.095%
28	5.949	1446	1449	1455	rVB4	1153	1056	0.08%	0.011%
29	6.123	1500	1503	1507	rBV3	423	262	0.02%	0.003%
30	6.219	1519	1533	1572	rBV	375839	789601	60.78%	7.959%
31	6.512	1615	1624	1636	rVB8	5966	11260	0.87%	0.114%
32	6.660	1657	1670	1703	rBV2	270881	571532	44.00%	5.761%
33	6.853	1728	1730	1734	rVB3	442	290	0.02%	0.003%
34	6.888	1738	1741	1743	rVV2	489	257	0.02%	0.003%
35	6.956	1757	1762	1765	rBV2	600	497	0.04%	0.005%
36	7.078	1793	1800	1804	rBV3	450	517	0.04%	0.005%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063778.D
Acq On : 24 Nov 2025 15:26
Operator : MD/SY
Sample : Q3688-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.136	1814	1818	1821	rBV2	385	380	0.03%	0.004%
38	7.206	1836	1840	1842	rBV	380	288	0.02%	0.003%
39	7.393	1893	1898	1903	rBV2	278	379	0.03%	0.004%
40	7.541	1932	1944	1976	rVV	129190	244698	18.84%	2.467%
41	7.759	2009	2012	2013	rBV	618	276	0.02%	0.003%
42	7.785	2016	2020	2022	rBV4	522	416	0.03%	0.004%
43	7.872	2034	2047	2090	rBV	557488	1058024	81.45%	10.665%
44	8.155	2125	2135	2158	rBV2	79113	145727	11.22%	1.469%
45	8.377	2202	2204	2211	rVB2	590	587	0.05%	0.006%
46	8.521	2246	2249	2256	rBV4	1130	1463	0.11%	0.015%
47	8.615	2267	2278	2327	rBV2	213782	570690	43.93%	5.753%
48	8.904	2364	2368	2369	rBV3	588	443	0.03%	0.004%
49	9.155	2437	2446	2451	rVV4	801	1108	0.09%	0.011%
50	9.229	2462	2469	2471	rBV2	300	371	0.03%	0.004%
51	9.306	2491	2493	2498	rVB	332	264	0.02%	0.003%
52	9.393	2507	2520	2546	rBV	550190	995411	76.63%	10.034%
53	9.547	2565	2568	2574	rVB4	1763	1728	0.13%	0.017%
54	9.628	2590	2593	2598	rVB3	664	509	0.04%	0.005%
55	9.676	2600	2608	2619	rBV5	1629	2489	0.19%	0.025%
56	9.756	2629	2633	2636	rBV2	380	339	0.03%	0.003%
57	9.775	2636	2639	2644	rVV2	392	294	0.02%	0.003%
58	9.833	2655	2657	2662	rVB2	349	261	0.02%	0.003%
59	9.923	2681	2685	2689	rVB2	273	256	0.02%	0.003%
60	9.968	2693	2699	2704	rBV2	302	350	0.03%	0.004%
61	10.081	2727	2734	2737	rBV2	920	1219	0.09%	0.012%
62	10.107	2740	2742	2749	rVV3	1235	1097	0.08%	0.011%
63	10.184	2763	2766	2771	rVB2	282	261	0.02%	0.003%
64	10.219	2775	2777	2783	rVV	293	275	0.02%	0.003%
65	10.251	2783	2787	2791	rVB2	389	359	0.03%	0.004%
66	10.319	2806	2808	2813	rVB2	455	320	0.02%	0.003%
67	10.367	2817	2823	2826	rBV	279	281	0.02%	0.003%
68	10.460	2844	2852	2854	rBV3	1452	1595	0.12%	0.016%
69	10.627	2898	2904	2910	rBV3	1093	1370	0.11%	0.014%
70	10.730	2920	2936	2954	rBV	391983	647561	49.85%	6.527%
71	10.994	3016	3018	3026	rBV2	284	251	0.02%	0.003%
72	11.068	3034	3041	3047	rBV2	1367	1877	0.14%	0.019%
73	11.168	3068	3072	3077	rBV2	305	315	0.02%	0.003%
74	11.235	3088	3093	3096	rVB2	281	281	0.02%	0.003%
75	11.261	3098	3101	3107	rBV2	327	322	0.02%	0.003%
76	11.418	3146	3150	3153	rVV2	318	288	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063778.D
Acq On : 24 Nov 2025 15:26
Operator : MD/SY
Sample : Q3688-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.451	3153	3160	3171	rVB3	1741	2752	0.21%	0.028%
78	11.547	3187	3190	3194	rBV2	295	267	0.02%	0.003%
79	11.727	3238	3246	3253	rBV3	2811	4305	0.33%	0.043%
80	11.788	3253	3265	3293	rVV	560020	954675	73.49%	9.623%
81	11.952	3313	3316	3319	rBV2	609	328	0.03%	0.003%
82	12.168	3366	3383	3406	rBV	526088	906547	69.78%	9.138%
83	12.621	3520	3524	3527	rBV2	514	523	0.04%	0.005%
84	12.679	3533	3542	3547	rBV2	380	626	0.05%	0.006%
85	12.984	3634	3637	3643	rVB2	511	510	0.04%	0.005%
86	13.016	3643	3647	3649	rBV2	324	273	0.02%	0.003%
87	13.200	3698	3704	3706	rBV2	1749	1825	0.14%	0.018%
88	13.309	3736	3738	3742	rVB2	509	329	0.03%	0.003%
89	13.354	3746	3752	3754	rBV3	452	508	0.04%	0.005%
90	13.428	3770	3775	3777	rBV2	361	342	0.03%	0.003%
91	13.569	3814	3819	3822	rBV2	833	677	0.05%	0.007%
92	13.592	3823	3826	3830	rVB	787	418	0.03%	0.004%
93	13.737	3868	3871	3875	rBV3	442	420	0.03%	0.004%
94	13.820	3891	3897	3909	rBV3	3996	6334	0.49%	0.064%
95	14.071	3968	3975	3987	rBV3	4815	9104	0.70%	0.092%
96	14.216	4017	4020	4022	rBV	366	269	0.02%	0.003%
97	14.309	4041	4049	4058	rBV4	3570	5622	0.43%	0.057%
98	14.505	4107	4110	4114	rVB3	398	303	0.02%	0.003%
99	14.589	4133	4136	4143	rBV3	468	552	0.04%	0.006%
100	14.746	4182	4185	4190	rBV	631	647	0.05%	0.007%

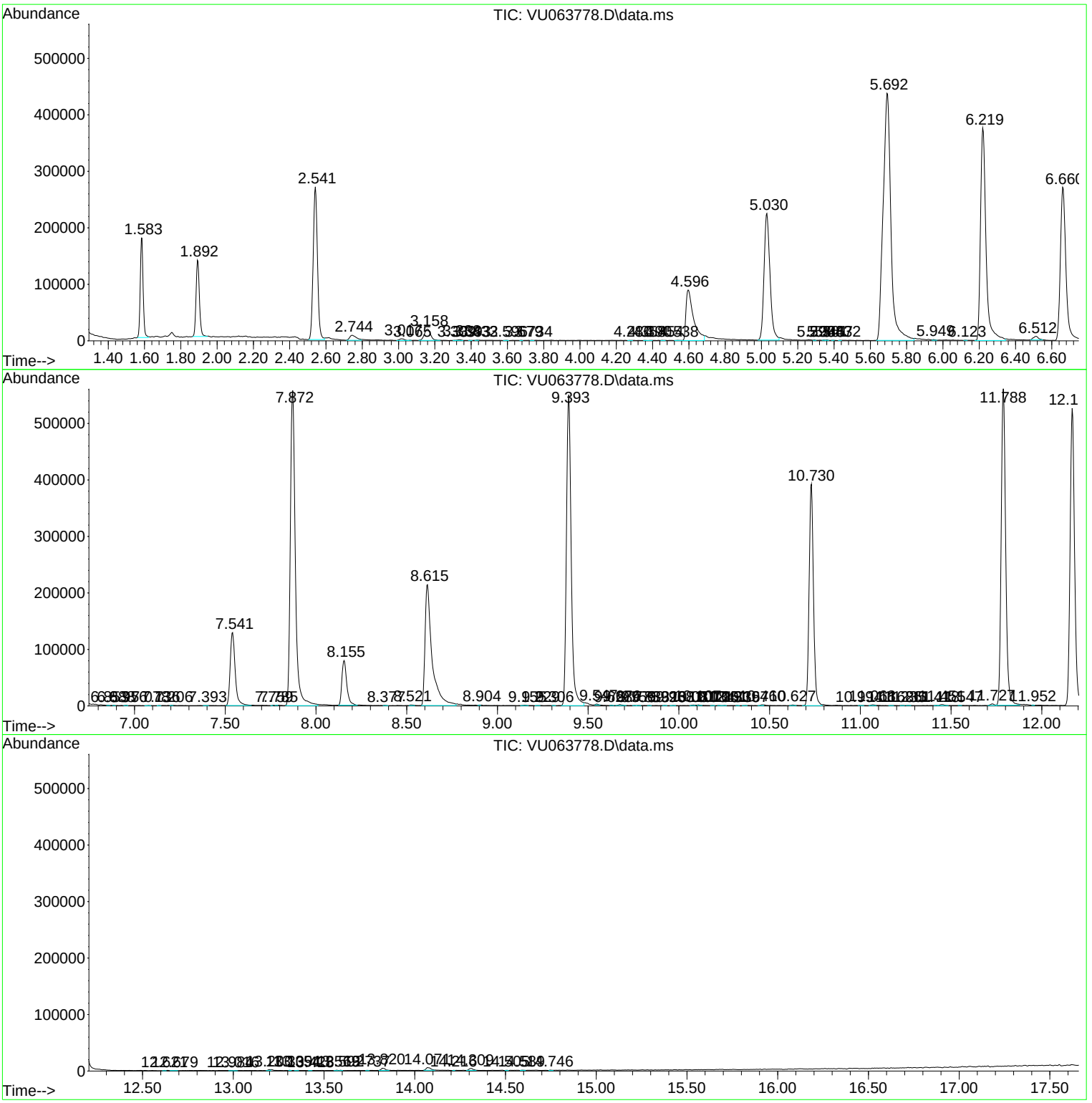
Sum of corrected areas: 9920545

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063778.D
Acq On : 24 Nov 2025 15:26
Operator : MD/SY
Sample : Q3688-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063778.D
Acq On : 24 Nov 2025 15:26
Operator : MD/SY
Sample : Q3688-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063778.D
Acq On : 24 Nov 2025 15:26
Operator : MD/SY
Sample : Q3688-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-24
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063780.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-24
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063780.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
TBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-24
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063780.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-24
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063780.D
% Solids :
Date Received : 11/24/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

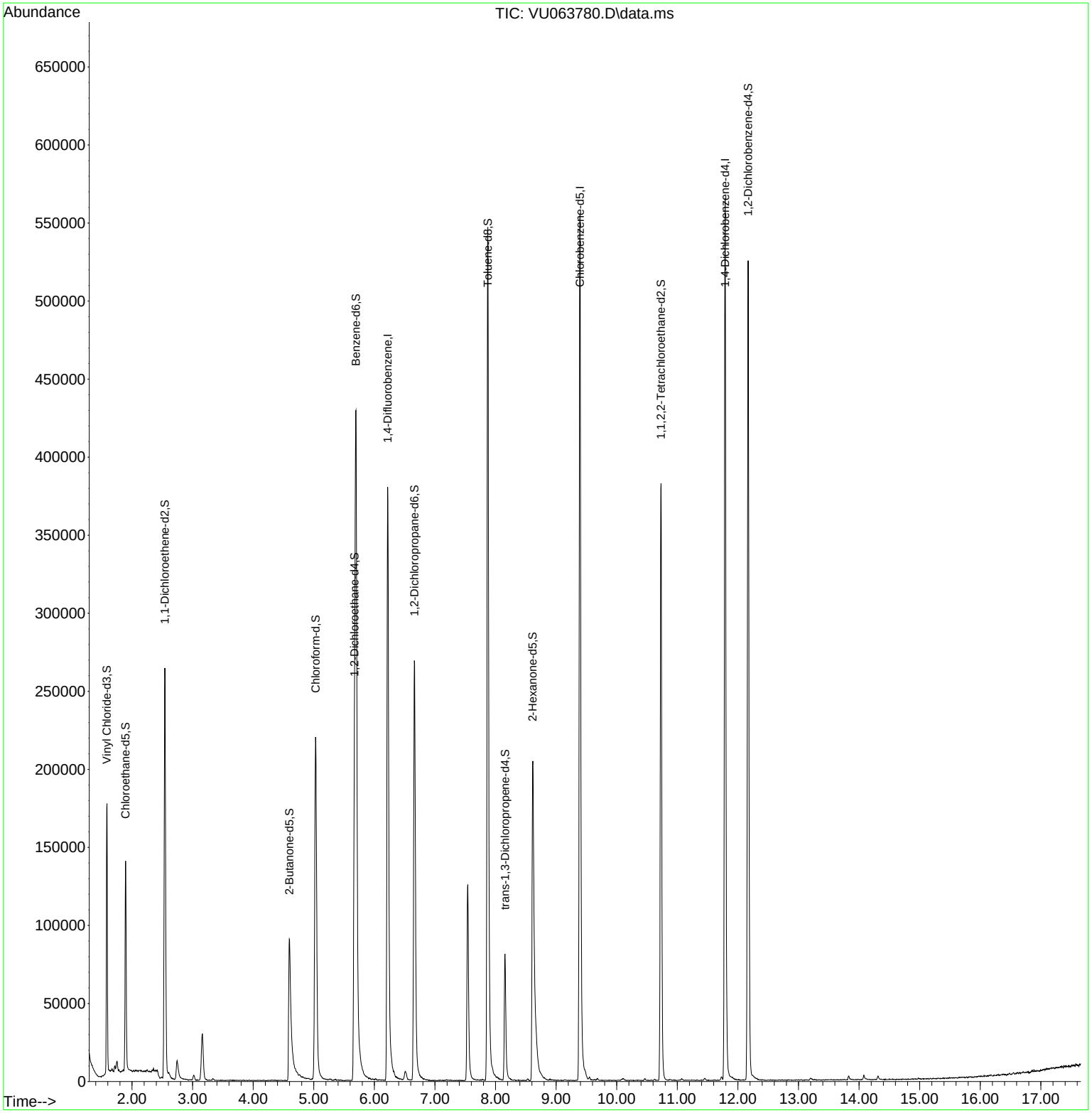
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063780.D
Acq On : 24 Nov 2025 16:15
Operator : MD/SY
Sample : Q3688-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251124

Quant Time: Nov 25 00:24:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063780.D
Acq On : 24 Nov 2025 16:15
Operator : MD/SY
Sample : Q3688-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251124

Quant Time: Nov 25 00:24:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	329736	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	318186	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	152652	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	113475	39.852	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 79.700%			
7) Chloroethane-d5	1.891	69	94397	43.031	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.060%			
11) 1,1-Dichloroethene-d2	2.541	63	162046	32.832	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 65.660%			
21) 2-Butanone-d5	4.596	46	139348	85.843	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 85.840%			
24) Chloroform-d	5.030	84	213805	44.753	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.500%			
26) 1,2-Dichloroethane-d4	5.669	65	149969	47.739	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.480%			
32) Benzene-d6	5.695	84	419688	44.999	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.000%			
36) 1,2-Dichloropropane-d6	6.660	67	127750	46.658	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.320%			
41) Toluene-d8	7.872	98	379684	42.876	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.760%			
43) trans-1,3-Dichloroprop...	8.155	79	46642	41.222	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 82.440%			
47) 2-Hexanone-d5	8.611	63	83877	84.257	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 84.260%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	182588	45.601	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.200%			
66) 1,2-Dichlorobenzene-d4	12.168	152	139526	48.418	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.840%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063780.D
Acq On : 24 Nov 2025 16:15
Operator : MD/SY
Sample : Q3688-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063780.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	84	92	101	rBV	172527	187787	14.56%	1.907%
2	1.895	180	188	205	rVB	133673	172542	13.38%	1.752%
3	2.541	378	389	407	rBV	262664	438429	34.00%	4.452%
4	2.743	441	452	468	rBV	11887	28069	2.18%	0.285%
5	2.949	510	516	520	rBV3	403	581	0.05%	0.006%
6	2.969	520	522	525	rVV	381	260	0.02%	0.003%
7	3.017	529	537	548	rVB4	3272	5981	0.46%	0.061%
8	3.161	564	582	599	rBV	29748	68770	5.33%	0.698%
9	3.332	631	635	645	rVB5	1271	1885	0.15%	0.019%
10	3.621	721	725	730	rVB2	379	260	0.02%	0.003%
11	3.833	787	791	797	rBV2	313	384	0.03%	0.004%
12	3.940	813	824	830	rBV2	361	603	0.05%	0.006%
13	4.065	858	863	868	rBV2	273	285	0.02%	0.003%
14	4.168	892	895	898	rVV	340	238	0.02%	0.002%
15	4.370	956	958	963	rVB	416	283	0.02%	0.003%
16	4.596	1016	1028	1057	rBV	90516	257145	19.94%	2.611%
17	5.030	1147	1163	1199	rVV	219274	511460	39.66%	5.193%
18	5.242	1226	1229	1230	rBV3	438	255	0.02%	0.003%
19	5.274	1236	1239	1241	rBV3	406	246	0.02%	0.002%
20	5.348	1255	1262	1264	rBV4	740	779	0.06%	0.008%
21	5.361	1264	1266	1269	rVB3	646	339	0.03%	0.003%
22	5.528	1314	1318	1320	rBV2	264	241	0.02%	0.002%
23	5.695	1350	1370	1420	rBV2	429218	1289549	100.00%	13.094%
24	6.023	1466	1472	1475	rVV4	685	704	0.05%	0.007%
25	6.219	1521	1533	1563	rBV	380067	787057	61.03%	7.992%
26	6.509	1613	1623	1636	rVB9	5226	11903	0.92%	0.121%
27	6.660	1657	1670	1699	rBV	268483	562049	43.58%	5.707%
28	6.911	1744	1748	1754	rVB2	478	411	0.03%	0.004%
29	7.058	1788	1794	1797	rBV2	403	442	0.03%	0.004%
30	7.132	1814	1817	1821	rVB2	433	241	0.02%	0.002%
31	7.155	1821	1824	1828	rBV	346	286	0.02%	0.003%
32	7.181	1828	1832	1833	rBV	382	262	0.02%	0.003%
33	7.190	1833	1835	1838	rVV2	480	292	0.02%	0.003%
34	7.210	1838	1841	1848	rVV3	324	342	0.03%	0.003%
35	7.251	1852	1854	1860	rVB2	333	247	0.02%	0.003%
36	7.396	1895	1899	1900	rBV	366	297	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063780.D
Acq On : 24 Nov 2025 16:15
Operator : MD/SY
Sample : Q3688-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.541	1931	1944	1970	rBV	125410	239200	18.55%	2.429%
38	7.656	1976	1980	1988	rVB5	722	809	0.06%	0.008%
39	7.747	2006	2008	2013	rVB2	426	353	0.03%	0.004%
40	7.779	2013	2018	2020	rBV3	630	597	0.05%	0.006%
41	7.872	2034	2047	2081	rBV	546541	1034648	80.23%	10.506%
42	8.155	2125	2135	2160	rVV	80652	147192	11.41%	1.495%
43	8.447	2222	2226	2229	rBV3	359	304	0.02%	0.003%
44	8.470	2229	2233	2238	rBV2	271	298	0.02%	0.003%
45	8.531	2245	2252	2261	rVB6	1200	1893	0.15%	0.019%
46	8.615	2265	2278	2334	rBV3	204634	558515	43.31%	5.671%
47	8.898	2363	2366	2370	rVB3	853	619	0.05%	0.006%
48	8.920	2370	2373	2377	rBV2	457	308	0.02%	0.003%
49	8.975	2387	2390	2395	rVB3	327	271	0.02%	0.003%
50	9.110	2427	2432	2436	rBV2	299	307	0.02%	0.003%
51	9.206	2458	2462	2467	rVB2	326	254	0.02%	0.003%
52	9.232	2467	2470	2473	rBV2	319	249	0.02%	0.003%
53	9.283	2483	2486	2492	rVB2	326	273	0.02%	0.003%
54	9.393	2507	2520	2561	rBV	555089	1012443	78.51%	10.280%
55	9.602	2580	2585	2589	rVB2	318	322	0.02%	0.003%
56	9.624	2589	2592	2597	rBV3	423	339	0.03%	0.003%
57	9.647	2597	2599	2602	rVB2	615	310	0.02%	0.003%
58	9.666	2602	2605	2606	rBV	794	389	0.03%	0.004%
59	9.939	2686	2690	2694	rBV	281	255	0.02%	0.003%
60	10.007	2704	2711	2712	rBV	269	280	0.02%	0.003%
61	10.078	2729	2733	2736	rBV3	714	718	0.06%	0.007%
62	10.107	2740	2742	2750	rVB3	1121	1225	0.09%	0.012%
63	10.187	2764	2767	2773	rVB2	204	258	0.02%	0.003%
64	10.232	2775	2781	2785	rBV2	276	340	0.03%	0.003%
65	10.271	2790	2793	2796	rVB2	400	253	0.02%	0.003%
66	10.357	2817	2820	2824	rBV2	234	261	0.02%	0.003%
67	10.467	2845	2854	2860	rBV4	1300	1974	0.15%	0.020%
68	10.566	2879	2885	2890	rBV2	368	371	0.03%	0.004%
69	10.624	2898	2903	2908	rBV4	861	991	0.08%	0.010%
70	10.730	2923	2936	2960	rBV	382395	635442	49.28%	6.452%
71	10.968	3007	3010	3014	rVB2	405	277	0.02%	0.003%
72	11.071	3038	3042	3052	rVB5	1038	1425	0.11%	0.014%
73	11.139	3057	3063	3067	rBV2	334	316	0.02%	0.003%
74	11.319	3115	3119	3122	rBV	429	353	0.03%	0.004%
75	11.396	3134	3143	3147	rBV2	403	465	0.04%	0.005%
76	11.669	3225	3228	3232	rVB	419	271	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063780.D
Acq On : 24 Nov 2025 16:15
Operator : MD/SY
Sample : Q3688-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.730	3235	3247	3253	rBV7	2241	3806	0.30%	0.039%
78	11.788	3253	3265	3293	rBV	564235	958429	74.32%	9.732%
79	12.087	3355	3358	3361	rVB2	449	276	0.02%	0.003%
80	12.168	3370	3383	3402	rBV	524682	891430	69.13%	9.051%
81	12.341	3435	3437	3443	rVB2	517	470	0.04%	0.005%
82	12.396	3451	3454	3457	rBV	383	246	0.02%	0.002%
83	12.444	3467	3469	3475	rVB2	282	258	0.02%	0.003%
84	12.550	3498	3502	3507	rVB	439	424	0.03%	0.004%
85	12.579	3507	3511	3518	rBV2	489	596	0.05%	0.006%
86	12.740	3559	3561	3567	rVB2	489	345	0.03%	0.004%
87	12.775	3567	3572	3575	rBV2	433	388	0.03%	0.004%
88	12.827	3584	3588	3591	rBV	448	332	0.03%	0.003%
89	13.004	3639	3643	3646	rVB2	489	394	0.03%	0.004%
90	13.042	3651	3655	3662	rVB3	512	674	0.05%	0.007%
91	13.106	3672	3675	3679	rBV	387	307	0.02%	0.003%
92	13.200	3698	3704	3709	rVV6	1134	1611	0.12%	0.016%
93	13.830	3893	3900	3905	rBV4	2494	3496	0.27%	0.035%
94	14.077	3972	3977	3987	rVB4	2434	2832	0.22%	0.029%
95	14.312	4040	4050	4059	rBV4	2429	4154	0.32%	0.042%
96	14.441	4086	4090	4094	rBV2	674	523	0.04%	0.005%
97	14.512	4109	4112	4114	rBV2	313	236	0.02%	0.002%
98	14.618	4140	4145	4146	rBV2	439	291	0.02%	0.003%
99	14.714	4172	4175	4178	rBV	535	423	0.03%	0.004%
100	14.807	4202	4204	4207	rVB3	551	257	0.02%	0.003%

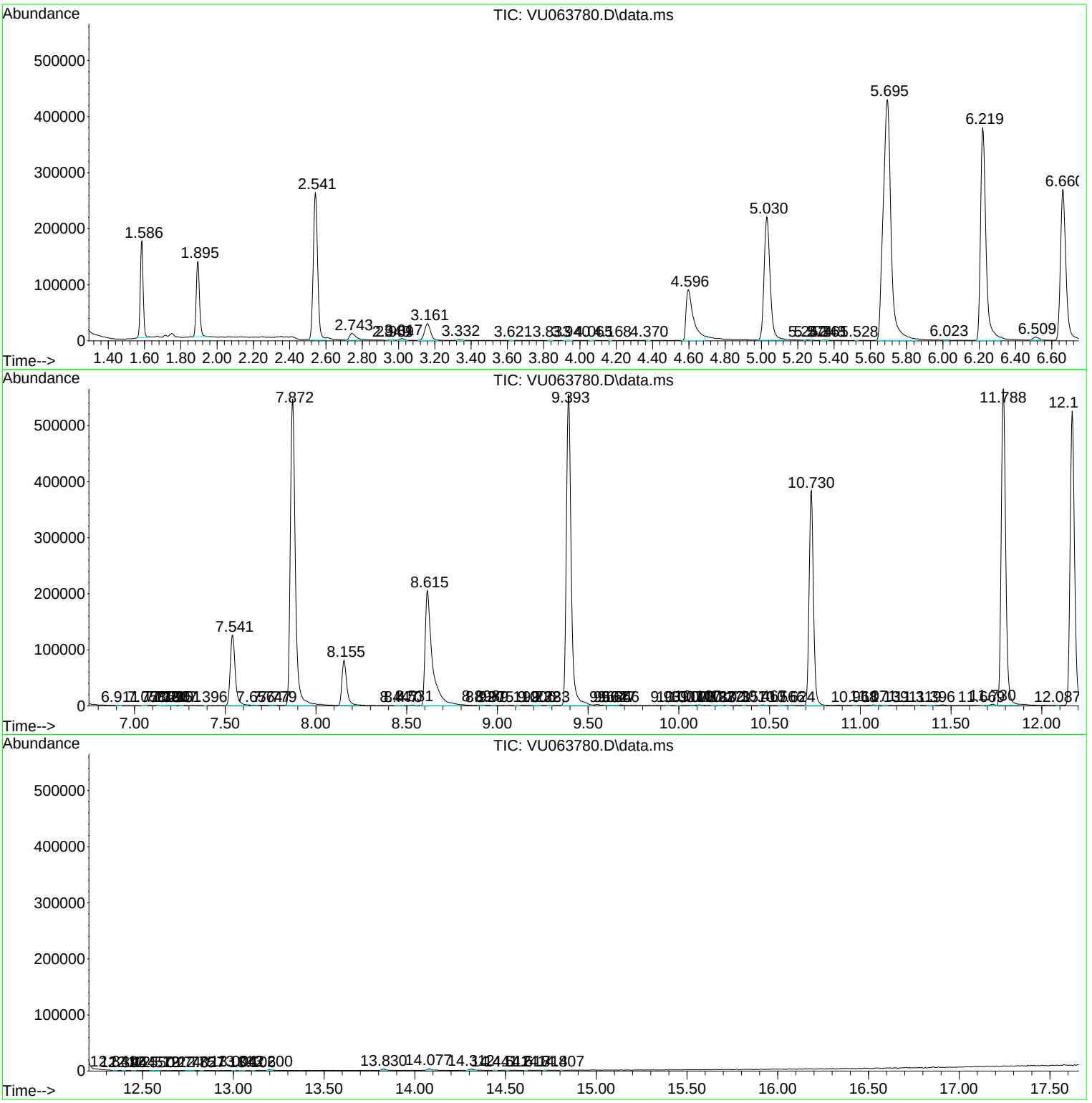
Sum of corrected areas: 9848470

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063780.D
Acq On : 24 Nov 2025 16:15
Operator : MD/SY
Sample : Q3688-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251124

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063780.D
Acq On : 24 Nov 2025 16:15
Operator : MD/SY
Sample : Q3688-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TBGW-20251124

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063780.D
Acq On : 24 Nov 2025 16:15
Operator : MD/SY
Sample : Q3688-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : TBGW-20251124

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-1

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-20
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063784.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-1

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-20
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063784.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-1

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-20
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063784.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WS-1

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-20
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063784.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

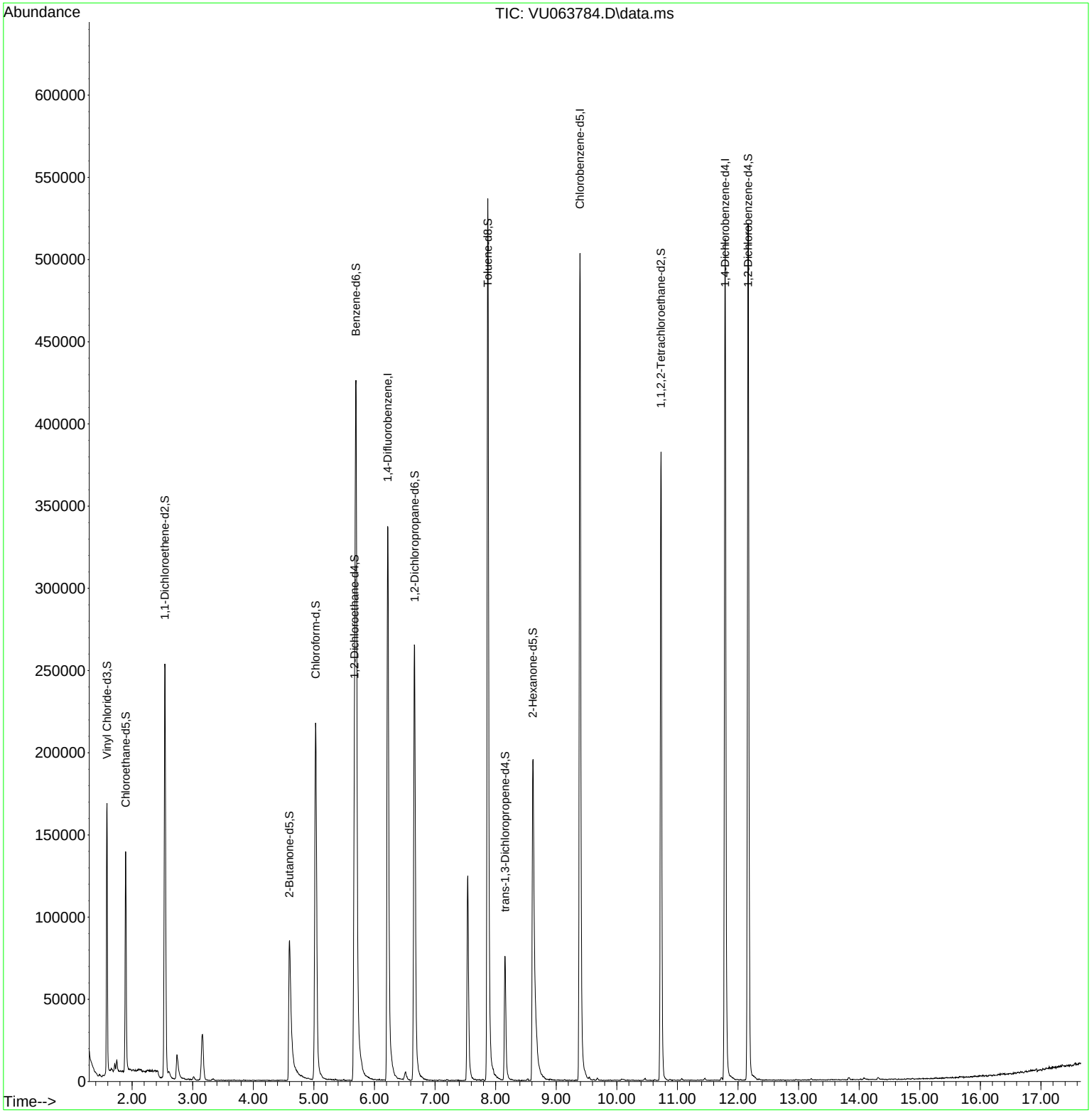
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063784.D
Acq On : 24 Nov 2025 17:52
Operator : MD/SY
Sample : Q3688-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS-1

Quant Time: Nov 25 00:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063784.D
Acq On : 24 Nov 2025 17:52
Operator : MD/SY
Sample : Q3688-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-1

Quant Time: Nov 25 00:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	304820	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	291724	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	138014	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	108685	41.290	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 82.580%			
7) Chloroethane-d5	1.895	69	93839	46.273	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.540%			
11) 1,1-Dichloroethene-d2	2.541	63	155776	34.142	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.280%			
21) 2-Butanone-d5	4.595	46	127435	84.922	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 84.920%			
24) Chloroform-d	5.029	84	209347	47.402	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.800%			
26) 1,2-Dichloroethane-d4	5.669	65	146625	50.489	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.980%			
32) Benzene-d6	5.695	84	417267	48.798	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.600%			
36) 1,2-Dichloropropane-d6	6.663	67	125198	49.874	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.740%			
41) Toluene-d8	7.872	98	375724	46.278	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.560%			
43) trans-1,3-Dichloroprop...	8.155	79	44431	42.830	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.660%			
47) 2-Hexanone-d5	8.615	63	76807	84.153	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 84.150%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	182084	49.600	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.200%			
66) 1,2-Dichlorobenzene-d4	12.167	152	138261	53.068	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.140%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063784.D
Acq On : 24 Nov 2025 17:52
Operator : MD/SY
Sample : Q3688-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063784.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	84	92	106	rBV	163984	181399	14.29%	1.913%
2	1.895	180	188	203	rVB	132481	170568	13.44%	1.799%
3	2.541	377	389	405	rBV	251390	420442	33.12%	4.434%
4	2.740	443	451	475	rBV	14353	33051	2.60%	0.349%
5	2.930	507	510	516	rVB4	730	755	0.06%	0.008%
6	2.959	516	519	523	rBV	574	436	0.03%	0.005%
7	3.017	531	537	544	rBV4	1588	2342	0.18%	0.025%
8	3.113	562	567	568	rBV3	557	367	0.03%	0.004%
9	3.161	568	582	599	rVB2	27578	66158	5.21%	0.698%
10	3.242	605	607	611	rVB3	315	231	0.02%	0.002%
11	3.309	625	628	630	rBV	432	275	0.02%	0.003%
12	3.325	630	633	635	rBV2	593	433	0.03%	0.005%
13	3.470	670	678	681	rBV2	360	394	0.03%	0.004%
14	3.505	686	689	693	rBV2	275	244	0.02%	0.003%
15	3.547	698	702	706	rBV	410	354	0.03%	0.004%
16	3.840	789	793	798	rBV2	369	338	0.03%	0.004%
17	3.988	832	839	842	rBV2	247	299	0.02%	0.003%
18	4.406	965	969	972	rVB2	354	279	0.02%	0.003%
19	4.599	1015	1029	1064	rBV	85189	257954	20.32%	2.720%
20	5.030	1146	1163	1188	rBV	217083	503499	39.66%	5.309%
21	5.306	1244	1249	1253	rVB2	277	253	0.02%	0.003%
22	5.325	1253	1255	1260	rVB3	581	367	0.03%	0.004%
23	5.354	1260	1264	1269	rBV3	795	709	0.06%	0.007%
24	5.499	1303	1309	1314	rVB5	689	771	0.06%	0.008%
25	5.528	1314	1318	1322	rBV	343	233	0.02%	0.002%
26	5.554	1322	1326	1332	rBV2	261	360	0.03%	0.004%
27	5.695	1349	1370	1413	rBV2	425979	1269520	100.00%	13.387%
28	6.052	1477	1481	1484	rBV3	395	329	0.03%	0.003%
29	6.081	1488	1490	1494	rVB2	613	328	0.03%	0.003%
30	6.152	1510	1512	1517	rBV2	280	267	0.02%	0.003%
31	6.219	1521	1533	1570	rBV	337062	723095	56.96%	7.625%
32	6.515	1613	1625	1636	rBV8	4700	10514	0.83%	0.111%
33	6.573	1641	1643	1648	rVB2	628	413	0.03%	0.004%
34	6.660	1656	1670	1702	rBV	264840	555107	43.73%	5.854%
35	7.029	1783	1785	1790	rVB	374	279	0.02%	0.003%
36	7.062	1790	1795	1796	rBV	483	373	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063784.D
Acq On : 24 Nov 2025 17:52
Operator : MD/SY
Sample : Q3688-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.113	1809	1811	1818	rVB2	295	297	0.02%	0.003%
38	7.152	1818	1823	1829	rBV2	279	330	0.03%	0.003%
39	7.190	1829	1835	1838	rBV3	585	620	0.05%	0.007%
40	7.348	1878	1884	1889	rBV2	325	401	0.03%	0.004%
41	7.377	1889	1893	1895	rVB3	394	239	0.02%	0.003%
42	7.390	1895	1897	1901	rBV2	377	227	0.02%	0.002%
43	7.492	1924	1929	1932	rBV2	302	309	0.02%	0.003%
44	7.541	1932	1944	1967	rBV	124336	231486	18.23%	2.441%
45	7.701	1989	1994	1998	rBV4	485	580	0.05%	0.006%
46	7.727	2000	2002	2005	rVV2	540	357	0.03%	0.004%
47	7.788	2017	2021	2024	rBV4	433	427	0.03%	0.005%
48	7.872	2031	2047	2081	rBV	536520	1018530	80.23%	10.740%
49	8.155	2125	2135	2163	rBV	75109	138232	10.89%	1.458%
50	8.316	2182	2185	2189	rBV3	285	263	0.02%	0.003%
51	8.367	2194	2201	2205	rBV2	243	284	0.02%	0.003%
52	8.390	2205	2208	2210	rVB2	475	254	0.02%	0.003%
53	8.534	2245	2253	2257	rVB5	1065	1389	0.11%	0.015%
54	8.618	2267	2279	2329	rBV2	195254	545761	42.99%	5.755%
55	8.898	2362	2366	2369	rBV2	847	735	0.06%	0.008%
56	8.943	2378	2380	2388	rVB2	408	350	0.03%	0.004%
57	9.029	2404	2407	2411	rVB3	369	298	0.02%	0.003%
58	9.142	2436	2442	2448	rVB3	632	789	0.06%	0.008%
59	9.222	2461	2467	2471	rVB2	407	400	0.03%	0.004%
60	9.393	2507	2520	2562	rBV	503078	927780	73.08%	9.783%
61	9.611	2584	2588	2589	rBV2	353	250	0.02%	0.003%
62	9.679	2600	2609	2617	rBV5	1400	2169	0.17%	0.023%
63	9.779	2636	2640	2643	rBV	360	275	0.02%	0.003%
64	9.840	2655	2659	2663	rVB2	281	231	0.02%	0.002%
65	9.901	2675	2678	2683	rVB2	441	296	0.02%	0.003%
66	9.939	2684	2690	2693	rBV2	233	288	0.02%	0.003%
67	10.074	2727	2732	2733	rBV	743	444	0.03%	0.005%
68	10.248	2780	2786	2787	rBV	244	233	0.02%	0.002%
69	10.396	2826	2832	2835	rBV	246	284	0.02%	0.003%
70	10.470	2847	2855	2859	rVB3	1145	1372	0.11%	0.014%
71	10.627	2899	2904	2907	rBV3	526	575	0.05%	0.006%
72	10.730	2924	2936	2964	rVV	382245	631709	49.76%	6.661%
73	10.878	2973	2982	2986	rBV3	726	986	0.08%	0.010%
74	11.074	3034	3043	3046	rBV2	1154	1398	0.11%	0.015%
75	11.132	3056	3061	3067	rBV2	212	317	0.02%	0.003%
76	11.332	3119	3123	3126	rBV2	303	270	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063784.D
Acq On : 24 Nov 2025 17:52
Operator : MD/SY
Sample : Q3688-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.450	3155	3160	3161	rBV3	930	733	0.06%	0.008%
78	11.653	3220	3223	3228	rVB	270	248	0.02%	0.003%
79	11.724	3239	3245	3246	rBV2	1537	1259	0.10%	0.013%
80	11.788	3253	3265	3293	rBV	511820	872478	68.73%	9.200%
81	12.036	3339	3342	3343	rBV2	429	265	0.02%	0.003%
82	12.113	3363	3366	3369	rBV2	435	307	0.02%	0.003%
83	12.167	3369	3383	3404	rBV	521171	885097	69.72%	9.333%
84	12.325	3429	3432	3435	rBV4	415	289	0.02%	0.003%
85	12.348	3436	3439	3442	rVV3	440	331	0.03%	0.003%
86	12.412	3456	3459	3462	rBV3	414	259	0.02%	0.003%
87	12.460	3471	3474	3476	rBV	362	219	0.02%	0.002%
88	12.701	3544	3549	3551	rBV	353	263	0.02%	0.003%
89	12.955	3622	3628	3632	rBV	608	715	0.06%	0.008%
90	13.061	3657	3661	3663	rBV	312	263	0.02%	0.003%
91	13.280	3726	3729	3733	rVB2	283	248	0.02%	0.003%
92	13.450	3779	3782	3787	rBV3	218	219	0.02%	0.002%
93	13.486	3789	3793	3796	rBV2	370	329	0.03%	0.003%
94	13.720	3863	3866	3874	rVV3	302	373	0.03%	0.004%
95	13.823	3893	3898	3901	rBV4	1318	1413	0.11%	0.015%
96	13.897	3918	3921	3924	rBV	474	313	0.02%	0.003%
97	14.315	4043	4051	4061	rBV6	1202	2412	0.19%	0.025%
98	14.794	4198	4200	4204	rBV2	425	240	0.02%	0.003%
99	14.859	4218	4220	4223	rBV	388	289	0.02%	0.003%
100	15.537	4428	4431	4434	rBV2	732	498	0.04%	0.005%

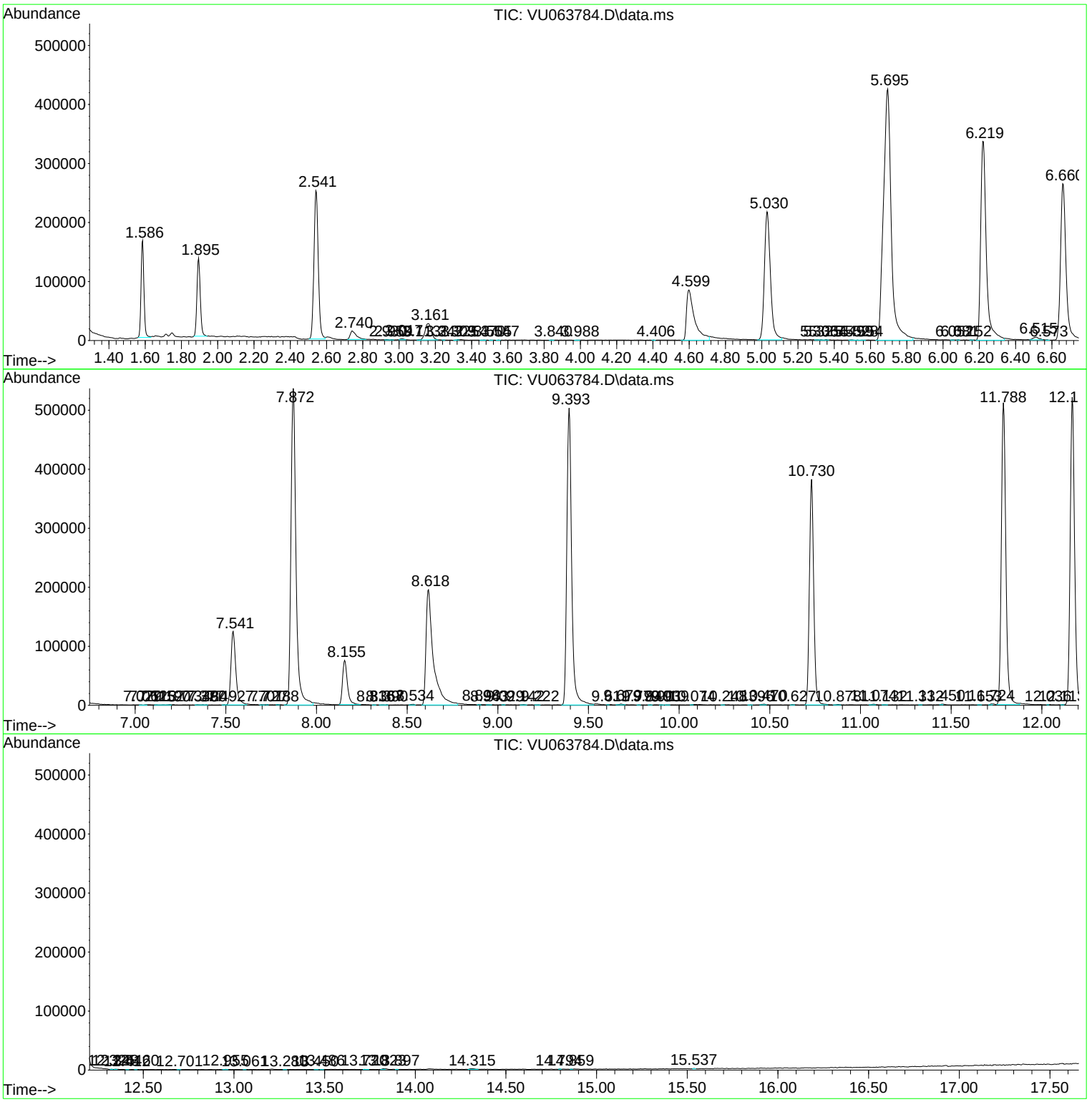
Sum of corrected areas: 9483231

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063784.D
Acq On : 24 Nov 2025 17:52
Operator : MD/SY
Sample : Q3688-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063784.D
Acq On : 24 Nov 2025 17:52
Operator : MD/SY
Sample : Q3688-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063784.D
Acq On : 24 Nov 2025 17:52
Operator : MD/SY
Sample : Q3688-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-14

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-16
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063781.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-14

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-16
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063781.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-14

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-16
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063781.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WS-14

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-16
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063781.D
% Solids :
Date Received : 11/21/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

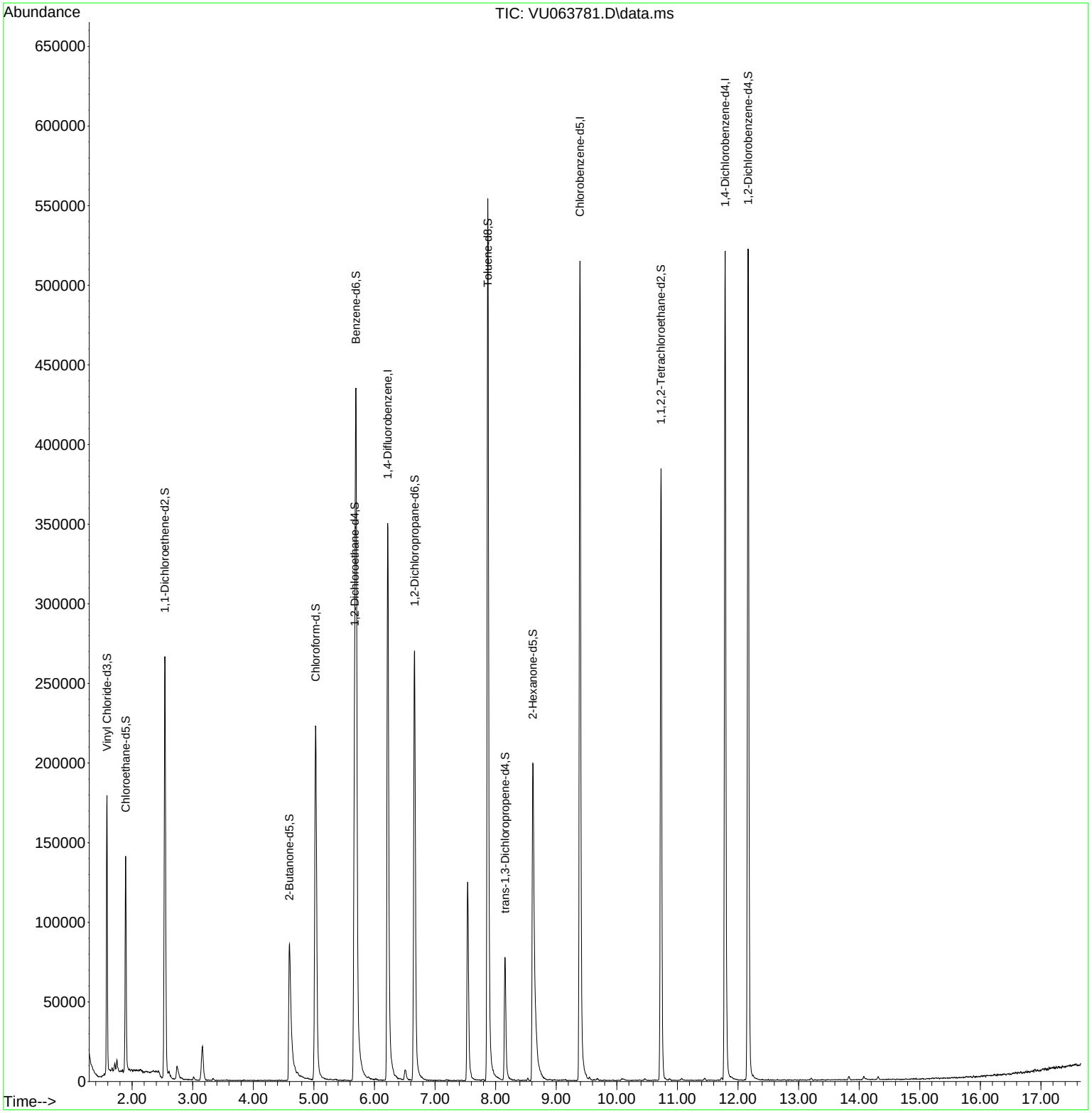
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063781.D
Acq On : 24 Nov 2025 16:39
Operator : MD/SY
Sample : Q3688-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS-14

Quant Time: Nov 25 00:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063781.D
Acq On : 24 Nov 2025 16:39
Operator : MD/SY
Sample : Q3688-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-14

Quant Time: Nov 25 00:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	307971	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	292188	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	141763	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	111566	41.951	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.900%			
7) Chloroethane-d5	1.894	69	94091	45.923	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.840%			
11) 1,1-Dichloroethene-d2	2.541	63	161846	35.109	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.220%			
21) 2-Butanone-d5	4.595	46	135598	89.437	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 89.440%			
24) Chloroform-d	5.029	84	212597	47.645	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.300%			
26) 1,2-Dichloroethane-d4	5.672	65	148420	50.584	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.160%			
32) Benzene-d6	5.695	84	426400	49.786	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.580%			
36) 1,2-Dichloropropane-d6	6.663	67	127545	50.728	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.460%			
41) Toluene-d8	7.872	98	386429	47.521	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.040%			
43) trans-1,3-Dichloroprop...	8.155	79	45311	43.609	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.220%			
47) 2-Hexanone-d5	8.614	63	78795	86.194	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 86.190%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	183660	49.950	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.900%			
66) 1,2-Dichlorobenzene-d4	12.167	152	138474	51.744	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.480%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063781.D
Acq On : 24 Nov 2025 16:39
Operator : MD/SY
Sample : Q3688-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-14

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063781.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	85	92	105	rBV	172533	180267	13.91%	1.883%
2	1.894	180	188	205	rVB	134269	171560	13.24%	1.792%
3	2.541	378	389	404	rBV	264084	436841	33.72%	4.563%
4	2.743	445	452	470	rVB4	7612	16907	1.30%	0.177%
5	3.013	531	536	548	rVB4	1929	3024	0.23%	0.032%
6	3.161	566	582	600	rBV2	21250	49439	3.82%	0.516%
7	3.338	630	637	649	rVB7	1483	2555	0.20%	0.027%
8	3.390	649	653	658	rBV2	362	357	0.03%	0.004%
9	3.422	658	663	669	rBV2	225	297	0.02%	0.003%
10	3.505	686	689	691	rBV2	258	177	0.01%	0.002%
11	3.672	737	741	745	rBV2	151	168	0.01%	0.002%
12	3.811	783	784	785	rBV2	87	26	0.00%	0.000%
13	3.830	785	790	792	rVV2	382	277	0.02%	0.003%
14	3.843	792	794	796	rVV2	286	163	0.01%	0.002%
15	3.936	820	823	825	rBV	160	100	0.01%	0.001%
16	4.033	850	853	859	rBV	213	244	0.02%	0.003%
17	4.071	863	865	867	rVB2	209	78	0.01%	0.001%
18	4.087	867	870	873	rBV	236	149	0.01%	0.002%
19	4.303	934	937	942	rBV	296	250	0.02%	0.003%
20	4.357	950	954	957	rBV2	165	133	0.01%	0.001%
21	4.377	957	960	968	rVB2	237	301	0.02%	0.003%
22	4.412	969	971	972	rBV2	250	87	0.01%	0.001%
23	4.467	981	988	993	rBV2	434	562	0.04%	0.006%
24	4.541	1008	1011	1014	rBV2	186	132	0.01%	0.001%
25	4.599	1019	1029	1065	rBV	85379	255116	19.69%	2.665%
26	5.029	1147	1163	1197	rBV	222442	519988	40.13%	5.432%
27	5.434	1280	1289	1297	rBV4	468	783	0.06%	0.008%
28	5.467	1297	1299	1300	rBV	264	110	0.01%	0.001%
29	5.508	1307	1312	1314	rBV	452	416	0.03%	0.004%
30	5.602	1338	1341	1343	rBV2	155	122	0.01%	0.001%
31	5.627	1347	1349	1350	rBV	244	81	0.01%	0.001%
32	5.695	1350	1370	1428	rVV2	434659	1295658	100.00%	13.534%
33	6.016	1466	1470	1471	rBV2	836	482	0.04%	0.005%
34	6.113	1498	1500	1505	rVB2	473	338	0.03%	0.004%
35	6.135	1505	1507	1508	rBV	304	110	0.01%	0.001%
36	6.219	1520	1533	1570	rBV	349769	731874	56.49%	7.645%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063781.D
Acq On : 24 Nov 2025 16:39
Operator : MD/SY
Sample : Q3688-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-14

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.508	1614	1623	1640	rVB6	6261	14555	1.12%	0.152%
38	6.663	1656	1671	1701	rBV	269751	568484	43.88%	5.938%
39	6.872	1734	1736	1739	rBV3	368	242	0.02%	0.003%
40	6.910	1744	1748	1755	rVB4	425	566	0.04%	0.006%
41	6.946	1755	1759	1764	rBV2	358	414	0.03%	0.004%
42	7.007	1776	1778	1781	rVB2	280	120	0.01%	0.001%
43	7.042	1787	1789	1791	rBV	210	72	0.01%	0.001%
44	7.097	1804	1806	1807	rBV	137	46	0.00%	0.000%
45	7.177	1828	1831	1833	rBV2	299	182	0.01%	0.002%
46	7.229	1845	1847	1852	rBV2	445	304	0.02%	0.003%
47	7.312	1868	1873	1877	rBV2	378	399	0.03%	0.004%
48	7.360	1884	1888	1889	rBV	229	147	0.01%	0.002%
49	7.483	1923	1926	1927	rBV2	225	125	0.01%	0.001%
50	7.537	1931	1943	1966	rBV	124459	239187	18.46%	2.498%
51	7.872	2034	2047	2074	rBV	553855	1028911	79.41%	10.748%
52	8.155	2125	2135	2157	rBV	76734	142381	10.99%	1.487%
53	8.344	2190	2194	2195	rBV	161	113	0.01%	0.001%
54	8.360	2196	2199	2201	rVV	303	196	0.02%	0.002%
55	8.409	2210	2214	2216	rBV2	304	218	0.02%	0.002%
56	8.431	2219	2221	2224	rVV2	235	107	0.01%	0.001%
57	8.454	2224	2228	2231	rVV	231	201	0.02%	0.002%
58	8.528	2244	2251	2258	rBV4	1454	1902	0.15%	0.020%
59	8.614	2267	2278	2322	rBV2	199187	551751	42.58%	5.763%
60	8.942	2378	2380	2381	rBV	281	118	0.01%	0.001%
61	9.055	2413	2415	2417	rBV	296	161	0.01%	0.002%
62	9.093	2425	2427	2430	rVB2	263	87	0.01%	0.001%
63	9.196	2457	2459	2461	rBV2	150	85	0.01%	0.001%
64	9.302	2490	2492	2497	rBB	154	99	0.01%	0.001%
65	9.393	2507	2520	2561	rBV	514470	934562	72.13%	9.762%
66	9.614	2586	2589	2594	rBV2	412	412	0.03%	0.004%
67	9.724	2619	2623	2625	rBV	318	212	0.02%	0.002%
68	9.769	2633	2637	2638	rBV	280	175	0.01%	0.002%
69	9.827	2653	2655	2658	rBV	189	67	0.01%	0.001%
70	10.013	2709	2713	2716	rBV2	258	249	0.02%	0.003%
71	10.254	2784	2788	2792	rBV2	338	318	0.02%	0.003%
72	10.598	2888	2895	2898	rBV2	379	537	0.04%	0.006%
73	10.730	2922	2936	2956	rBV	384102	632414	48.81%	6.606%
74	10.936	2998	3000	3003	rVB	325	147	0.01%	0.002%
75	11.418	3146	3150	3153	rBV2	295	281	0.02%	0.003%
76	11.454	3154	3161	3170	rVB5	1484	2524	0.19%	0.026%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063781.D
Acq On : 24 Nov 2025 16:39
Operator : MD/SY
Sample : Q3688-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-14

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.489	3170	3172	3174	rBV	196	123	0.01%	0.001%
78	11.727	3240	3246	3253	rBV4	1661	2502	0.19%	0.026%
79	11.788	3253	3265	3292	rBV	520385	884793	68.29%	9.242%
80	12.167	3370	3383	3406	rBV	521972	889139	68.62%	9.288%
81	13.267	3721	3725	3728	rBV2	456	472	0.04%	0.005%
82	13.460	3781	3785	3788	rBV3	352	359	0.03%	0.004%
83	13.830	3894	3900	3911	rVB5	2150	3776	0.29%	0.039%

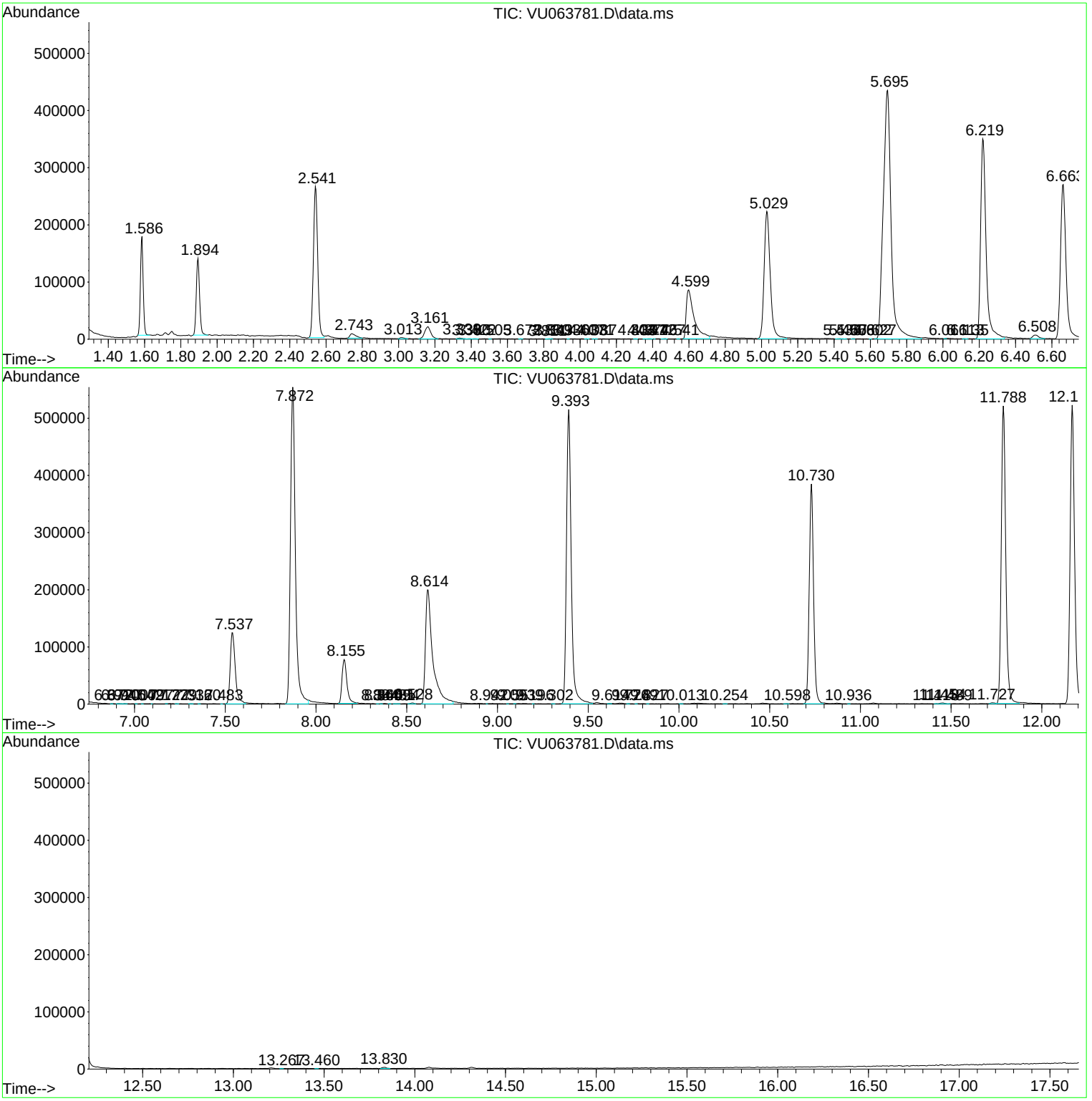
Sum of corrected areas: 9573407

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063781.D
Acq On : 24 Nov 2025 16:39
Operator : MD/SY
Sample : Q3688-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS-14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063781.D
Acq On : 24 Nov 2025 16:39
Operator : MD/SY
Sample : Q3688-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS-14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063781.D
Acq On : 24 Nov 2025 16:39
Operator : MD/SY
Sample : Q3688-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : WS-14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VHBLK001

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-07
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063787.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VHBLK001

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-07
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063787.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VHBLK001

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-07
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063787.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK001

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-07
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063787.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : 1.0 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

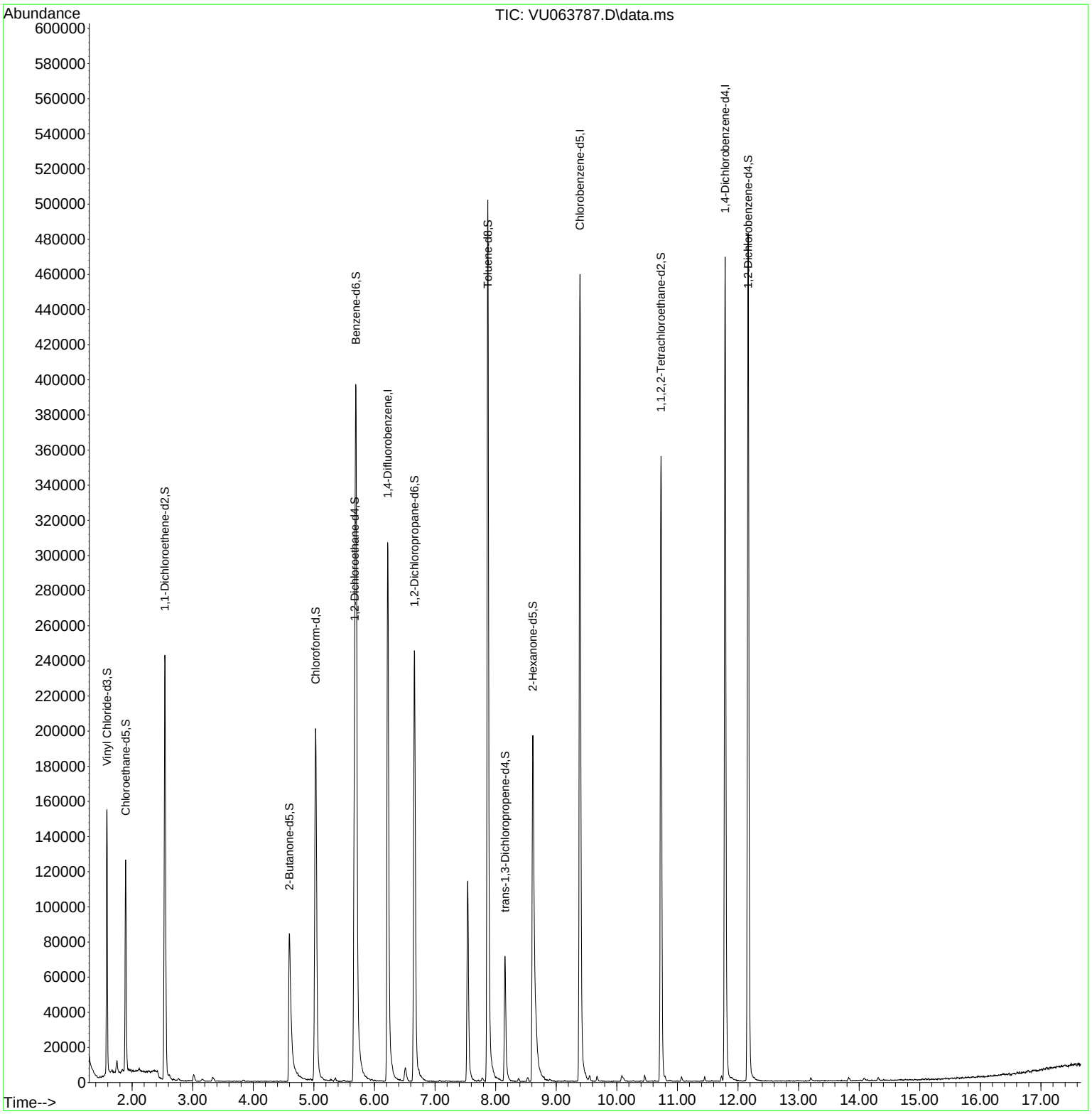
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063787.D
Acq On : 24 Nov 2025 19:04
Operator : MD/SY
Sample : Q3688-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK001

Quant Time: Nov 25 00:25:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063787.D
Acq On : 24 Nov 2025 19:04
Operator : MD/SY
Sample : Q3688-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK001

Quant Time: Nov 25 00:25:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	271539	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	262434	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	126368	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	100798	42.987	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.980%			
7) Chloroethane-d5	1.895	69	85055	47.083	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.160%			
11) 1,1-Dichloroethene-d2	2.541	63	147067	36.183	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 72.360%			
21) 2-Butanone-d5	4.595	46	130785	97.836	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.840%			
24) Chloroform-d	5.029	84	195177	49.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.220%			
26) 1,2-Dichloroethane-d4	5.673	65	134494	51.988	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.980%			
32) Benzene-d6	5.695	84	386704	50.271	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.540%			
36) 1,2-Dichloropropane-d6	6.660	67	113716	50.356	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.720%			
41) Toluene-d8	7.872	98	355102	48.619	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.240%			
43) trans-1,3-Dichloroprop...	8.155	79	40085	42.954	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.900%			
47) 2-Hexanone-d5	8.615	63	78700	95.851	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.850%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	172474	52.226	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 104.460%			
66) 1,2-Dichlorobenzene-d4	12.167	152	129459	54.269	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.540%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063787.D
Acq On : 24 Nov 2025 19:04
Operator : MD/SY
Sample : Q3688-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK001

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063787.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.586	85	92	102	rBV	148966	165188	13.96%	1.885%
2	1.895	181	188	200	rVB	119672	154205	13.03%	1.760%
3	2.541	378	389	406	rBV	241308	400993	33.88%	4.577%
4	2.904	500	502	505	rBV2	428	266	0.02%	0.003%
5	3.017	529	537	551	rBV4	3691	7256	0.61%	0.083%
6	3.245	606	608	611	rVB2	236	125	0.01%	0.001%
7	3.329	626	634	637	rBV4	2227	2822	0.24%	0.032%
8	3.666	735	739	741	rBV	210	155	0.01%	0.002%
9	3.682	741	744	745	rBV	238	135	0.01%	0.002%
10	3.727	755	758	762	rBV	294	210	0.02%	0.002%
11	3.759	765	768	769	rBV	157	97	0.01%	0.001%
12	3.804	780	782	785	rBV	104	68	0.01%	0.001%
13	3.837	785	792	795	rBV4	823	1053	0.09%	0.012%
14	3.988	836	839	841	rBV	160	118	0.01%	0.001%
15	4.065	858	863	866	rBV	313	287	0.02%	0.003%
16	4.126	876	882	887	rBV	392	536	0.05%	0.006%
17	4.226	910	913	914	rBV	270	151	0.01%	0.002%
18	4.329	943	945	948	rVB2	131	61	0.01%	0.001%
19	4.341	948	949	955	rBV2	231	142	0.01%	0.002%
20	4.428	973	976	979	rBV2	254	216	0.02%	0.002%
21	4.448	979	982	986	rVB	393	284	0.02%	0.003%
22	4.541	1006	1011	1013	rBV2	294	199	0.02%	0.002%
23	4.595	1019	1028	1056	rBV	83786	236140	19.95%	2.695%
24	5.029	1148	1163	1192	rBV	200047	469634	39.68%	5.360%
25	5.277	1238	1240	1243	rBV4	753	455	0.04%	0.005%
26	5.357	1255	1265	1270	rBV4	1943	3052	0.26%	0.035%
27	5.415	1281	1283	1284	rBV	271	86	0.01%	0.001%
28	5.438	1287	1290	1291	rBV	116	74	0.01%	0.001%
29	5.464	1295	1298	1299	rBV	179	93	0.01%	0.001%
30	5.492	1300	1307	1308	rBV3	570	591	0.05%	0.007%
31	5.557	1324	1327	1333	rVB	305	226	0.02%	0.003%
32	5.583	1333	1335	1337	rBV	120	47	0.00%	0.001%
33	5.692	1350	1369	1418	rBV2	396816	1183652	100.00%	13.510%
34	6.004	1462	1466	1467	rBV2	479	319	0.03%	0.004%
35	6.219	1521	1533	1573	rBV	306607	642276	54.26%	7.331%
36	6.509	1613	1623	1639	rVB9	7423	16931	1.43%	0.193%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063787.D
Acq On : 24 Nov 2025 19:04
Operator : MD/SY
Sample : Q3688-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK001

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	6.660	1657	1670	1691	rBV	245074	510830	43.16%	5.831%
38	6.891	1739	1742	1743	rVB2	190	103	0.01%	0.001%
39	6.904	1744	1746	1747	rBV	149	42	0.00%	0.000%
40	6.949	1758	1760	1762	rVB	306	107	0.01%	0.001%
41	7.010	1776	1779	1780	rBV	131	63	0.01%	0.001%
42	7.029	1783	1785	1788	rVV2	108	65	0.01%	0.001%
43	7.074	1794	1799	1803	rBV4	640	775	0.07%	0.009%
44	7.113	1808	1811	1812	rBV	99	53	0.00%	0.001%
45	7.123	1812	1814	1816	rBV2	136	81	0.01%	0.001%
46	7.181	1828	1832	1838	rBV2	453	456	0.04%	0.005%
47	7.251	1851	1854	1857	rVB	383	213	0.02%	0.002%
48	7.280	1857	1863	1867	rBV2	226	224	0.02%	0.003%
49	7.364	1887	1889	1891	rBV	249	119	0.01%	0.001%
50	7.406	1900	1902	1905	rVB	96	51	0.00%	0.001%
51	7.425	1905	1908	1911	rBV	215	173	0.01%	0.002%
52	7.483	1923	1926	1928	rBV2	106	63	0.01%	0.001%
53	7.541	1932	1944	1968	rBV	114011	214933	18.16%	2.453%
54	7.740	2004	2006	2007	rBV	289	106	0.01%	0.001%
55	7.779	2014	2018	2027	rVB4	1472	2205	0.19%	0.025%
56	7.872	2034	2047	2086	rBV	501830	956926	80.85%	10.922%
57	8.155	2125	2135	2165	rVB2	71038	132637	11.21%	1.514%
58	8.290	2175	2177	2180	rBV2	319	238	0.02%	0.003%
59	8.335	2188	2191	2197	rBV2	290	245	0.02%	0.003%
60	8.377	2199	2204	2215	rVB5	1787	2672	0.23%	0.030%
61	8.428	2215	2220	2222	rBV	180	152	0.01%	0.002%
62	8.463	2228	2231	2233	rBV	99	64	0.01%	0.001%
63	8.528	2245	2251	2252	rBV2	2029	1892	0.16%	0.022%
64	8.570	2260	2264	2266	rBV2	267	185	0.02%	0.002%
65	8.615	2266	2278	2325	rBV2	196895	548780	46.36%	6.264%
66	9.004	2397	2399	2401	rBV	198	101	0.01%	0.001%
67	9.042	2409	2411	2413	rBV2	197	107	0.01%	0.001%
68	9.135	2437	2440	2444	rBV3	480	389	0.03%	0.004%
69	9.322	2493	2498	2500	rBV	270	238	0.02%	0.003%
70	9.338	2500	2503	2505	rBV	250	156	0.01%	0.002%
71	9.393	2507	2520	2546	rBV	459299	829833	70.11%	9.472%
72	9.608	2585	2587	2590	rBV	281	188	0.02%	0.002%
73	9.676	2598	2608	2618	rBV4	3014	4954	0.42%	0.057%
74	9.775	2636	2639	2642	rBV	346	220	0.02%	0.003%
75	9.901	2676	2678	2680	rBV	88	45	0.00%	0.001%
76	9.917	2680	2683	2685	rVB	240	134	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063787.D
Acq On : 24 Nov 2025 19:04
Operator : MD/SY
Sample : Q3688-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK001

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	9.926	2685	2686	2687	rBV	140	44	0.00%	0.001%
78	9.949	2692	2693	2697	rVV2	230	102	0.01%	0.001%
79	10.084	2727	2735	2755	rBV6	3221	7845	0.66%	0.090%
80	10.180	2763	2765	2767	rVB	141	35	0.00%	0.000%
81	10.328	2806	2811	2812	rBV	189	154	0.01%	0.002%
82	10.389	2827	2830	2831	rBV	202	123	0.01%	0.001%
83	10.460	2844	2852	2862	rBV3	3501	5044	0.43%	0.058%
84	10.531	2870	2874	2878	rBV	257	265	0.02%	0.003%
85	10.614	2897	2900	2901	rBV2	255	145	0.01%	0.002%
86	10.730	2923	2936	2955	rBV	355869	597489	50.48%	6.820%
87	11.020	3024	3026	3028	rVB	278	115	0.01%	0.001%
88	11.068	3034	3041	3056	rVB	2649	4077	0.34%	0.047%
89	11.151	3065	3067	3069	rBV	304	114	0.01%	0.001%
90	11.389	3136	3141	3143	rBV2	450	366	0.03%	0.004%
91	11.405	3144	3146	3149	rVB	442	247	0.02%	0.003%
92	11.450	3156	3160	3171	rVB2	2553	2939	0.25%	0.034%
93	11.730	3239	3247	3253	rBV5	3015	4458	0.38%	0.051%
94	11.788	3253	3265	3291	rBV	468640	799825	67.57%	9.129%
95	12.167	3371	3383	3411	rBV	482348	835228	70.56%	9.533%
96	12.852	3594	3596	3599	rVB2	420	195	0.02%	0.002%
97	13.383	3755	3761	3762	rBV2	503	512	0.04%	0.006%
98	13.708	3860	3862	3864	rBV2	360	105	0.01%	0.001%
99	13.827	3891	3899	3902	rBV5	2214	2874	0.24%	0.033%

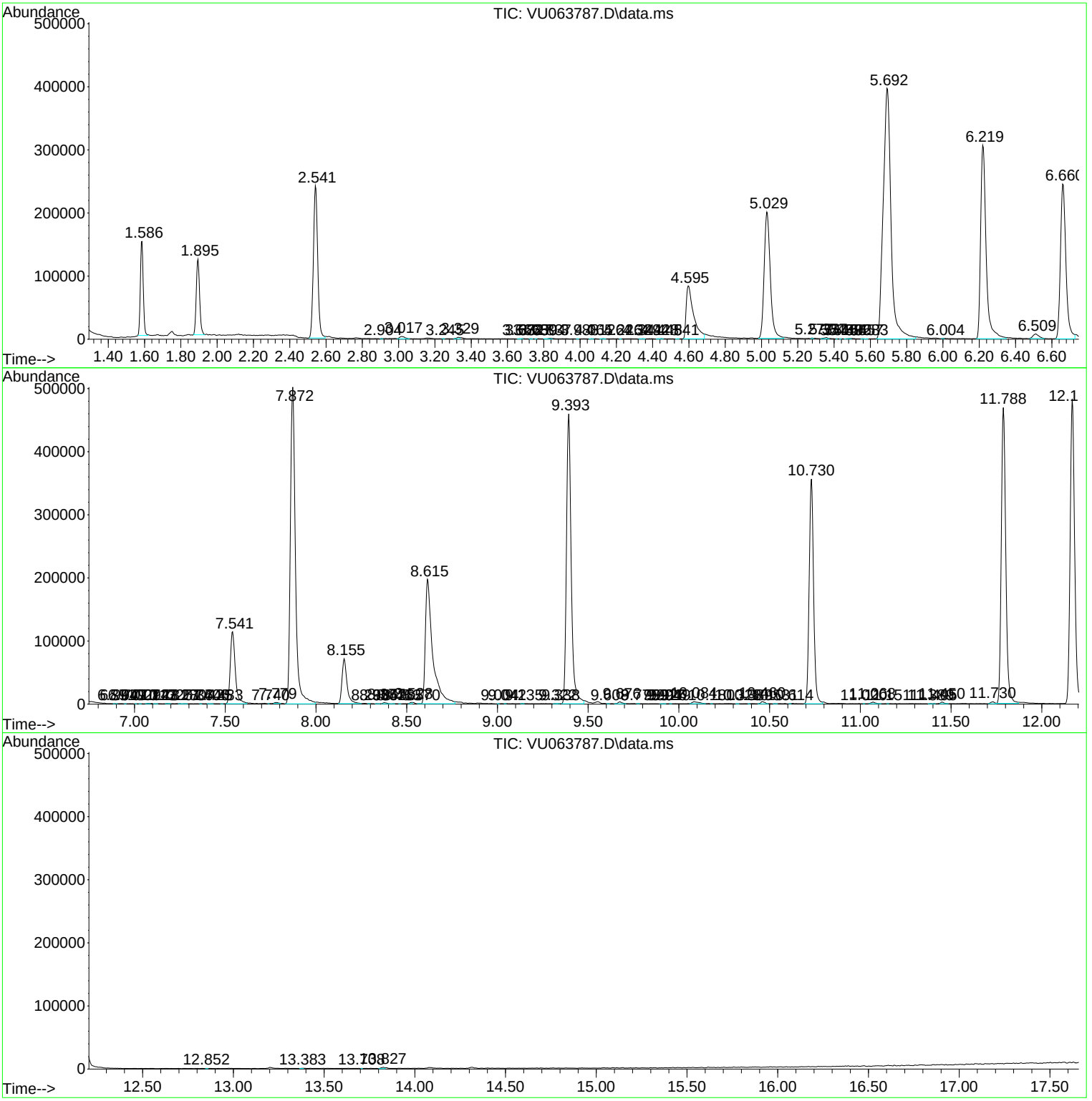
Sum of corrected areas: 8761262

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063787.D
Acq On : 24 Nov 2025 19:04
Operator : MD/SY
Sample : Q3688-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063787.D
Acq On : 24 Nov 2025 19:04
Operator : MD/SY
Sample : Q3688-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063787.D
Acq On : 24 Nov 2025 19:04
Operator : MD/SY
Sample : Q3688-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 6A-OR
GC/MS INITIAL CALIBRATION DATA

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method : VOA Level :

Instrument ID: MSVOA_U Calibration Date(s): 11/17/2025 11/17/2025

GC Column: DB-624UI ID: 0.18 (mm) Calibration Time(s): 11:16 12:58

Length : 20 (m)

Heated Purge: (Y/N): N Purge Volume : 5 (mL)

LAB FILE ID: RRF5.0 = VU063720.D RRF10 = VU063721.D
RRF50 = VU063722.D RRF100 = VU063723.D RRF200 = VU063724.D

ANALYTE	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.330	0.294	0.288	0.270	0.272	0.291	8.3
Chloromethane	0.385	0.346	0.312	0.300	0.303	0.329	11
Vinyl chloride	0.429	0.396	0.374	0.360	0.356	0.383	7.8
Bromomethane	0.281	0.243	0.231	0.230	0.228	0.243	9.1
Chloroethane	0.297	0.251	0.253	0.240	0.237	0.256	9.4
Trichlorofluoromethane	0.682	0.611	0.589	0.571	0.566	0.604	7.8
1,1-Dichloroethene	0.374	0.334	0.315	0.306	0.303	0.326	9
1,1,2-Trichloro-1,2,2-trifluoroetha	0.390	0.373	0.350	0.339	0.333	0.357	6.8
Acetone	0.384	0.348	0.324	0.306	0.303	0.333	10.1
Carbon disulfide	0.962	0.837	0.812	0.810	0.830	0.850	7.5
Methyl Acetate	0.386	0.388	0.409	0.404	0.413	0.400	3
Methylene chloride	0.454	0.373	0.369	0.353	0.353	0.380	11.1
trans-1,2-Dichloroethene	0.388	0.338	0.347	0.334	0.333	0.348	6.7
Methyl tert-butyl Ether	1.271	1.166	1.164	1.136	1.152	1.178	4.5
1,1-Dichloroethane	0.746	0.677	0.657	0.639	0.633	0.671	6.8
cis-1,2-Dichloroethene	0.420	0.401	0.398	0.393	0.391	0.401	2.9
2-Butanone	0.430	0.384	0.343	0.338	0.356	0.370	10.2
Bromochloromethane	0.227	0.199	0.205	0.198	0.201	0.206	5.7
Chloroform	0.817	0.730	0.707	0.691	0.684	0.726	7.4
1,1,1-Trichloroethane	0.741	0.615	0.625	0.604	0.607	0.638	9.1
Cyclohexane	0.711	0.627	0.625	0.591	0.592	0.629	7.8
Carbon tetrachloride	0.550	0.463	0.501	0.491	0.505	0.502	6.3
Benzene	1.730	1.496	1.500	1.460	1.438	1.525	7.7
1,2-Dichloroethane	0.666	0.586	0.566	0.574	0.571	0.593	7
Trichloroethene	0.504	0.441	0.424	0.419	0.411	0.440	8.5
Methylcyclohexane	0.736	0.652	0.639	0.603	0.596	0.645	8.6
1,2-Dichloropropane	0.437	0.380	0.391	0.385	0.389	0.396	5.9
Bromodichloromethane	0.605	0.522	0.530	0.525	0.532	0.543	6.4
cis-1,3-Dichloropropene	0.616	0.560	0.551	0.582	0.630	0.588	5.8
4-Methyl-2-pentanone	0.585	0.547	0.574	0.574	0.589	0.574	2.8
Toluene	1.860	1.677	1.671	1.616	1.594	1.684	6.2
trans-1,3-Dichloropropene	0.545	0.469	0.512	0.504	0.536	0.513	5.8

FORM 6A-OR
GC/MS INITIAL CALIBRATION DATA

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method : VOA Level :

Instrument ID: MSVOA_U Calibration Date(s): 11/17/2025 11/17/2025

GC Column: DB-624UI ID: 0.18 (mm) Calibration Time(s): 11:16 12:58

Length : 20 (m)

Heated Purge: (Y/N): N Purge Volume : 5 (mL)

LAB FILE ID: RRF5.0 = VU063720.D RRF10 = VU063721.D
RRF50 = VU063722.D RRF100 = VU063723.D RRF200 = VU063724.D

ANALYTE	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,1,2-Trichloroethane	0.468	0.413	0.412	0.403	0.400	0.419	6.7
Tetrachloroethene	0.375	0.340	0.327	0.319	0.320	0.336	7
2-Hexanone	0.413	0.412	0.461	0.470	0.496	0.450	8.2
Dibromochloromethane	0.429	0.379	0.394	0.401	0.420	0.405	5
1,2-Dibromoethane	0.507	0.420	0.429	0.419	0.424	0.440	8.6
Chlorobenzene	1.272	1.130	1.113	1.077	1.089	1.136	6.9
Ethylbenzene	2.149	1.906	1.935	1.879	1.906	1.955	5.6
o-Xylene	0.793	0.701	0.711	0.702	0.721	0.726	5.3
m,p-Xylene	0.814	0.718	0.740	0.717	0.736	0.745	5.4
Styrene	1.170	1.109	1.191	1.180	1.228	1.176	3.7
Bromoform	0.635	0.515	0.549	0.558	0.581	0.568	7.8
Isopropylbenzene	4.439	3.790	3.623	3.523	3.485	3.772	10.4
1,2,3-Trichloropropane	1.320	1.113	1.014	1.011	0.999	1.091	12.4
1,1,2,2-Tetrachloroethane	0.731	0.675	0.667	0.659	0.682	0.683	4.1
1,3-Dichlorobenzene	1.957	1.697	1.613	1.588	1.600	1.691	9.2
1,4-Dichlorobenzene	2.050	1.790	1.612	1.599	1.608	1.732	11.2
1,2-Dichlorobenzene	1.901	1.648	1.567	1.534	1.547	1.639	9.3
1,2-Dibromo-3-chloropropane	0.255	0.248	0.263	0.279	0.302	0.269	7.9
1,2,4-Trimethylbenzene	3.260	2.835	2.874	2.888	2.951	2.962	5.8
1,3,5-Trimethylbenzene	3.468	3.067	3.008	2.973	2.998	3.103	6.7
1,2,4-trichlorobenzene	0.945	0.895	0.910	0.979	1.036	0.953	5.9
1,2,3-Trichlorobenzene	0.924	0.824	0.863	0.926	0.981	0.903	6.7
Vinyl Chloride-d3	0.412	0.443	0.433	0.442	0.429	0.432	2.9
Chloroethane-d5	0.319	0.352	0.332	0.334	0.326	0.333	3.7
1,1-Dichloroethene-d2	0.738	0.769	0.740	0.761	0.735	0.748	2
2-Butanone-d5	0.192	0.243	0.249	0.269	0.278	0.246	13.6
Chloroform-d	0.665	0.719	0.746	0.755	0.737	0.724	4.9
1,2-Dichloroethane-d4	0.463	0.496	0.473	0.485	0.465	0.476	2.8
Benzene-d6	1.407	1.475	1.492	1.504	1.450	1.466	2.6
1,2-Dichloropropane-d6	0.421	0.437	0.428	0.440	0.425	0.430	1.9
Toluene-d8	1.370	1.422	1.388	1.406	1.371	1.392	1.6
trans-1,3-Dichloropropene-d4	0.162	0.164	0.179	0.187	0.197	0.178	8.4

FORM 6A-OR
GC/MS INITIAL CALIBRATION DATA

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method : VOA Level :

Instrument ID: MSVOA_U Calibration Date(s): 11/17/2025 11/17/2025

GC Column: DB-624UI ID: 0.18 (mm) Calibration Time(s): 11:16 12:58

Length : 20 (m)

Heated Purge: (Y/N): N Purge Volume : 5 (mL)

LAB FILE ID: RRF5.0 = VU063720.D RRF10 = VU063721.D
RRF50 = VU063722.D RRF100 = VU063723.D RRF200 = VU063724.D

ANALYTE	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
2-Hexanone-d5	0.110	0.138	0.167	0.180	0.188	0.156	20.6
1,1,2,2-Tetrachloroethane-d2	0.571	0.617	0.633	0.659	0.667	0.629	6.1
1,2-Dichlorobenzene-d4	0.925	0.953	0.930	0.967	0.944	0.944	1.8

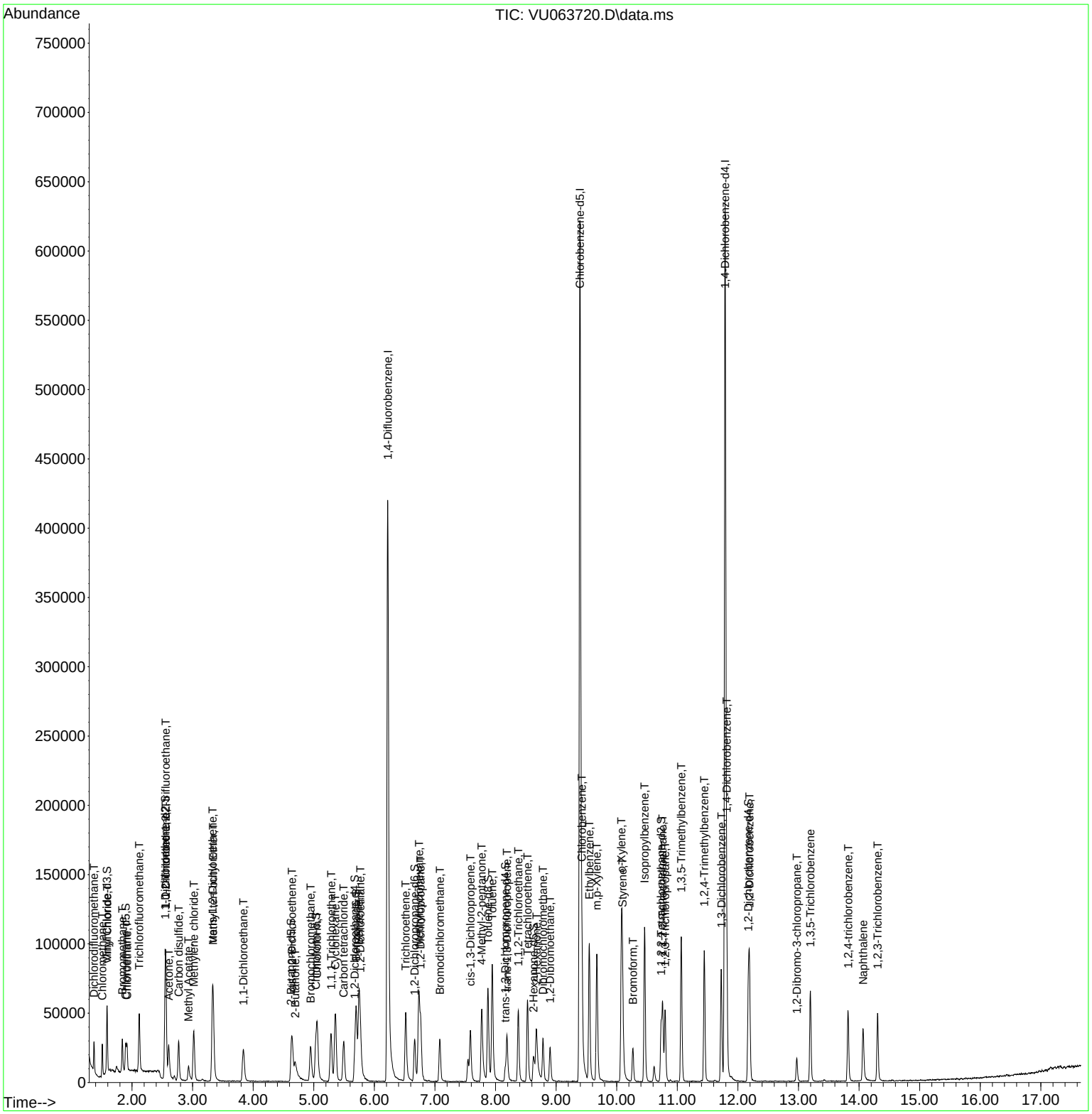
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	6.222	114	379380	50.000	ug/L		0.00
28) Chlorobenzene-d5	9.393	117	354312	50.000	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	168880	50.000	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.586	65	15626	5.795	ug/L		0.00
7) Chloroethane-d5	1.894	69	12095	5.425	ug/L		0.00
11) 1,1-Dichloroethene-d2	2.547	63	28003	5.893	ug/L		0.00
21) 2-Butanone-d5	4.624	46	14576m	8.223	ug/L		0.03
24) Chloroform-d	5.036	84	25227	5.121	ug/L		0.00
26) 1,2-Dichloroethane-d4	5.676	65	17584	5.516	ug/L		0.00
32) Benzene-d6	5.698	84	49860	5.649	ug/L		0.00
36) 1,2-Dichloropropane-d6	6.666	67	14907	5.309	ug/L		0.00
41) Toluene-d8	7.875	98	48541	5.846	ug/L		0.00
43) trans-1,3-Dichloroprop...	8.161	79	5734	5.418	ug/L		0.00
47) 2-Hexanone-d5	8.624	63	7788	7.457	ug/L		0.02
56) 1,1,2,2-Tetrachloroeth...	10.733	84	20224	4.710	ug/L		0.00
66) 1,2-Dichlorobenzene-d4	12.171	152	15620	5.384	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.374	85	12527	6.062	ug/L		97
3) Chloromethane	1.509	50	14594	5.670	ug/L		98
5) Vinyl chloride	1.589	62	16267	5.281	ug/L		95
6) Bromomethane	1.840	94	10648	5.490	ug/L		99
8) Chloroethane	1.917	64	11250	5.403	ug/L		98
9) Trichlorofluoromethane	2.120	101	25875	5.703	ug/L		97
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	14802	5.822	ug/L		98
12) 1,1-Dichloroethene	2.557	96	14191	6.245	ug/L		89
13) Acetone	2.605	43	29154	13.203	ug/L		99
14) Carbon disulfide	2.769	76	36484	6.190	ug/L		100
15) Methyl Acetate	2.933	43	14655	4.726	ug/L	#	90
16) Methylene chloride	3.020	84	17223	6.072	ug/L		96
17) trans-1,2-Dichloroethene	3.329	96	14738	6.002	ug/L		95
18) Methyl tert-butyl Ether	3.338	73	48221	6.028	ug/L		98
19) 1,1-Dichloroethane	3.837	63	28294	5.780	ug/L		97
20) cis-1,2-Dichloroethene	4.640	96	15936	5.572	ug/L		93
22) 2-Butanone	4.692	43	32617m	13.106	ug/L		
23) Bromochloromethane	4.949	128	8593	5.768	ug/L		91
25) Chloroform	5.055	83	30994	5.921	ug/L		99
27) 1,2-Dichloroethane	5.769	62	25259	5.899	ug/L		95
29) Cyclohexane	5.354	56	25180	6.006	ug/L		96
30) 1,1,1-Trichloroethane	5.287	97	26252	6.593	ug/L		98
31) Carbon tetrachloride	5.492	117	19486	6.144	ug/L		95
33) Benzene	5.746	78	61310	5.965	ug/L		100
34) Trichloroethene	6.515	95	17845	6.095	ug/L		96
35) Methylcyclohexane	6.737	83	26066	6.224	ug/L		96
37) 1,2-Dichloropropane	6.762	63	15495	5.450	ug/L		99
38) Bromodichloromethane	7.081	83	21433	6.224	ug/L		96
39) cis-1,3-Dichloropropene	7.586	75	21823	5.837	ug/L		99
40) 4-Methyl-2-pentanone	7.772	43	41446	10.142	ug/L		98
42) Toluene	7.946	91	65896	5.803	ug/L		100
44) trans-1,3-Dichloropropene	8.190	75	19309	5.953	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM

Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	1,1,2-Trichloroethane	8.377	97	16592	5.962	ug/L		97
46)	Tetrachloroethene	8.528	164	13297	6.213	ug/L		96
48)	2-Hexanone	8.676	43	29236	9.319	ug/L		93
49)	Dibromochloromethane	8.785	129	15200	6.010	ug/L		97
50)	1,2-Dibromoethane	8.901	107	17971	6.216	ug/L		90
51)	Chlorobenzene	9.425	112	45068	5.975	ug/L		96
52)	Ethylbenzene	9.547	91	76125	6.018	ug/L		98
53)	m,p-Xylene	9.672	106	28858	6.065	ug/L		95
54)	o-Xylene	10.077	106	28098	5.998	ug/L		97
55)	Styrene	10.097	104	41442	5.398	ug/L		99
57)	1,1,2,2-Tetrachloroethane	10.756	83	25897	5.541	ug/L		98
59)	Bromoform	10.267	173	10726	6.341	ug/L	#	70
60)	1,2,3-Trichloropropane	10.801	75	22286	6.289	ug/L		96
61)	Isopropylbenzene	10.460	105	74961	6.429	ug/L		100
62)	1,3,5-Trimethylbenzene	11.065	105	58565	6.121	ug/L		98
63)	1,2,4-Trimethylbenzene	11.444	105	55048	5.953	ug/L		100
64)	1,3-Dichlorobenzene	11.727	146	33057	6.241	ug/L		97
65)	1,4-Dichlorobenzene	11.814	146	34621	6.476	ug/L		97
67)	1,2-Dichlorobenzene	12.190	146	32109	6.191	ug/L		96
68)	1,2-Dibromo-3-chloropr...	12.971	75	4310	5.273	ug/L		90
69)	1,3,5-Trichlorobenzene	13.196	180	20095	5.437	ug/L		98
70)	1,2,4-trichlorobenzene	13.820	180	15957	5.240	ug/L		99
71)	Naphthalene	14.068	128	34473	4.166	ug/L		100
72)	1,2,3-Trichlorobenzene	14.306	180	15598	5.345	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

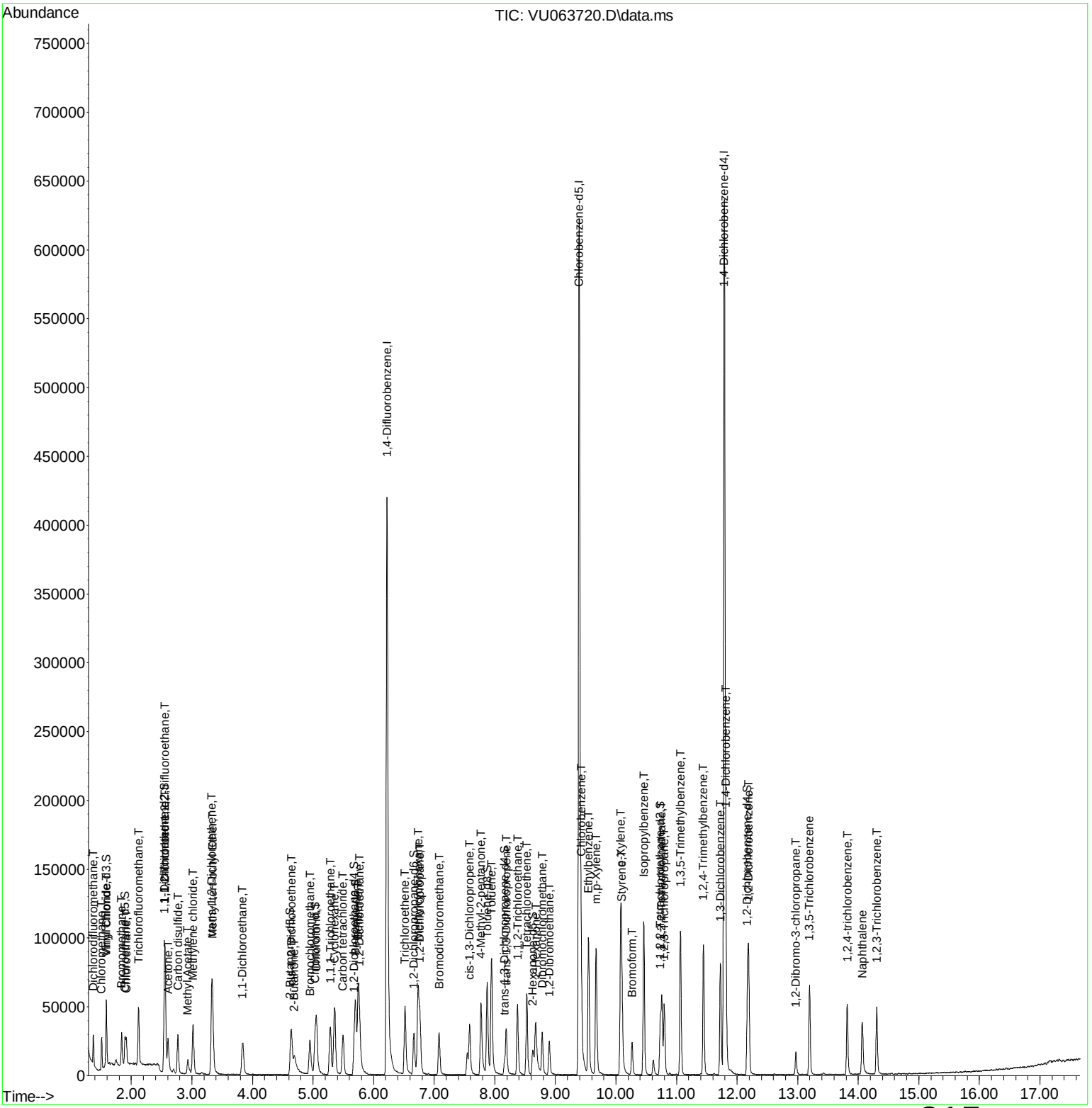
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM



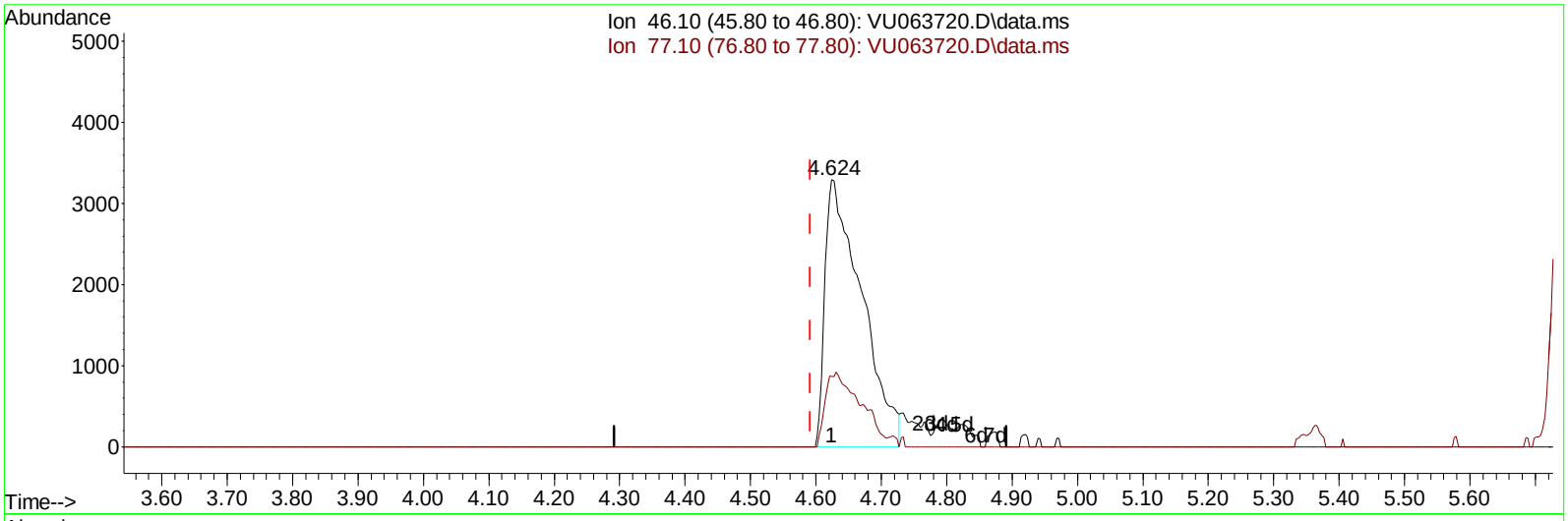
Quantitation Report (Qedit)

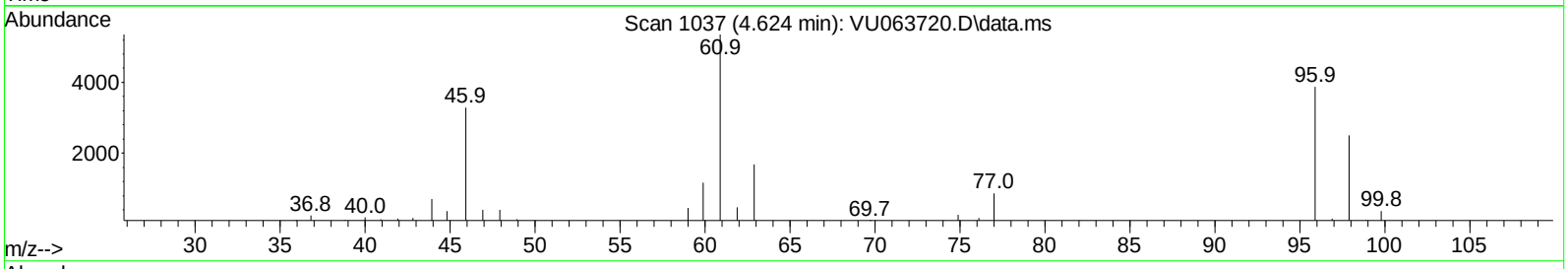
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Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

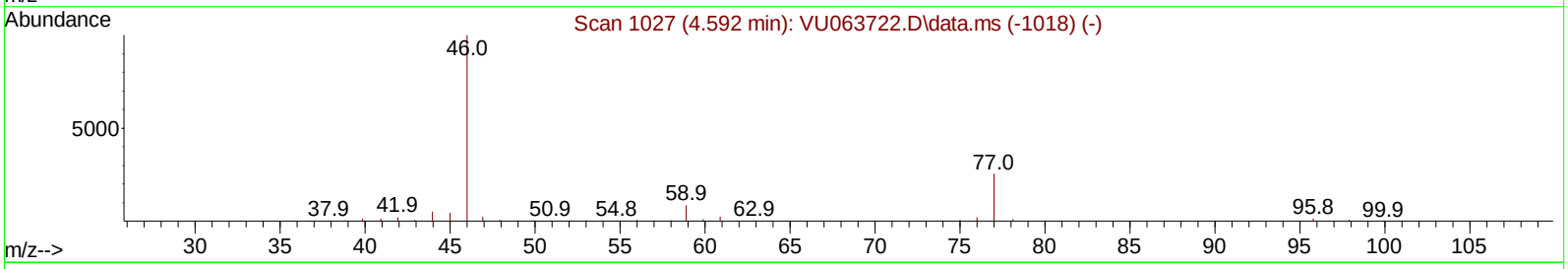
Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM







TIC: VU063720.D\data.ms

(21) 2-Butanone-d5 (S)

4.624min (+ 0.032) 7.21 ug/L

response 12784

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	24.90	7.22#
0.00	0.00	0.00
0.00	0.00	0.00

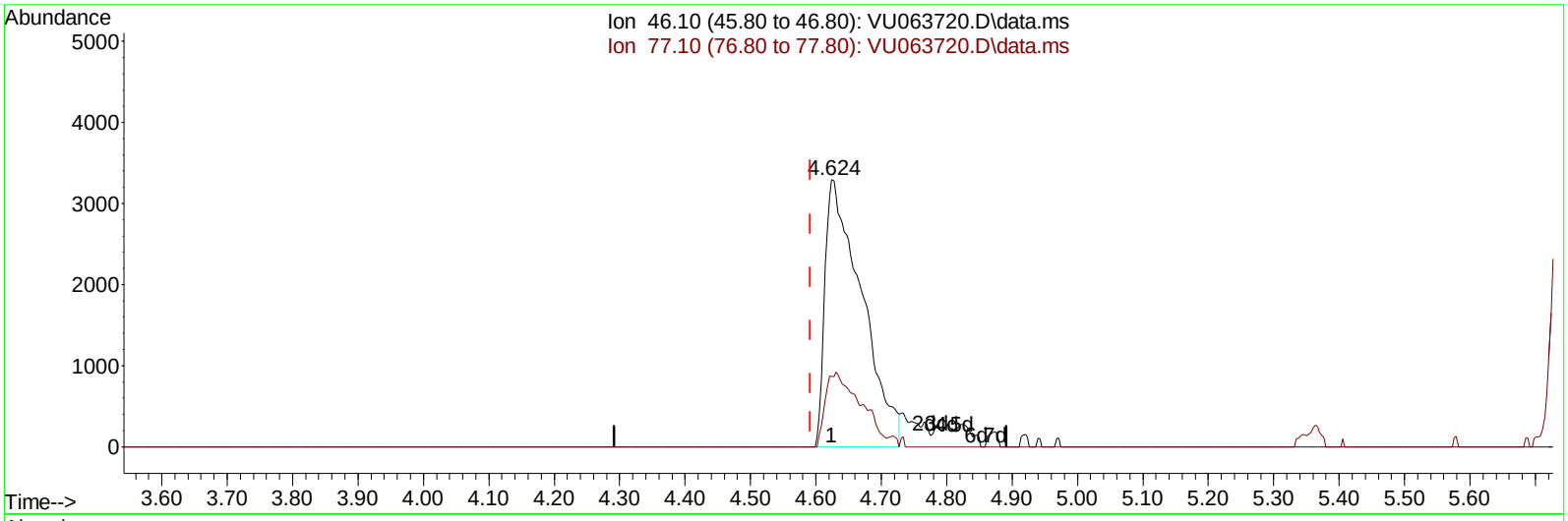
Quantitation Report (Qedit)

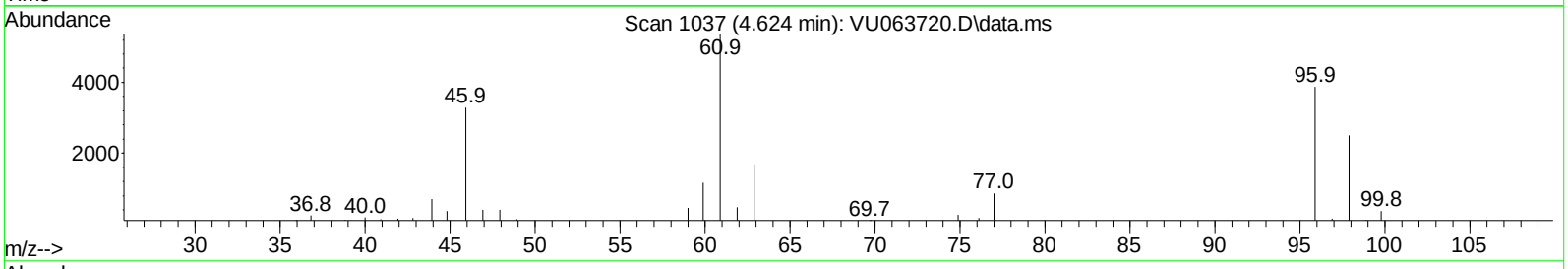
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

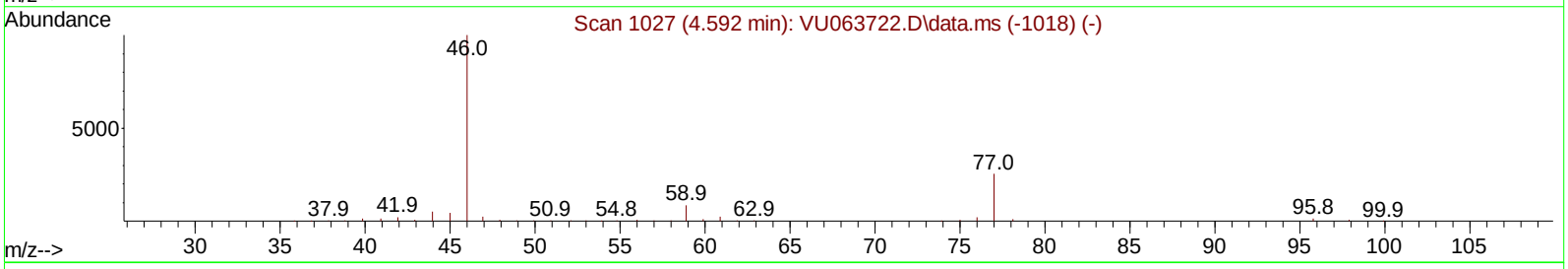
Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM







TIC: VU063720.D\data.ms

(21) 2-Butanone-d5 (S)

4.624min (+ 0.032) 7.21 ug/L

response 12784

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	24.90	7.22#
0.00	0.00	0.00
0.00	0.00	0.00

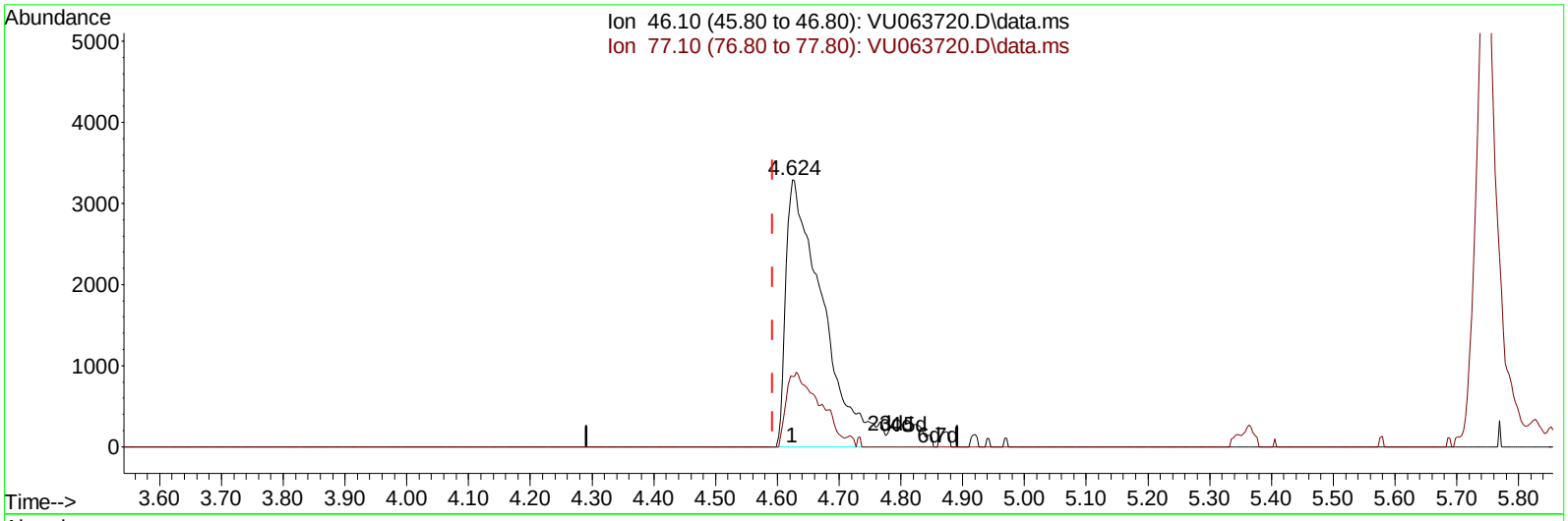
Quantitation Report (Qedit)

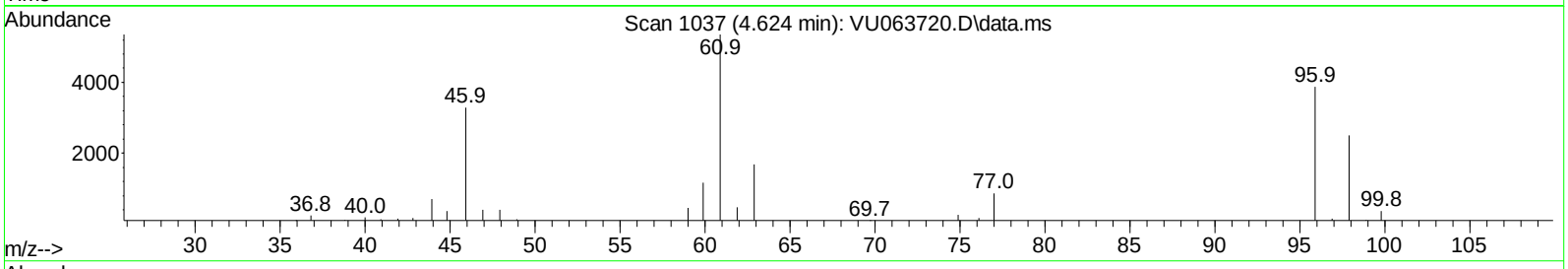
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

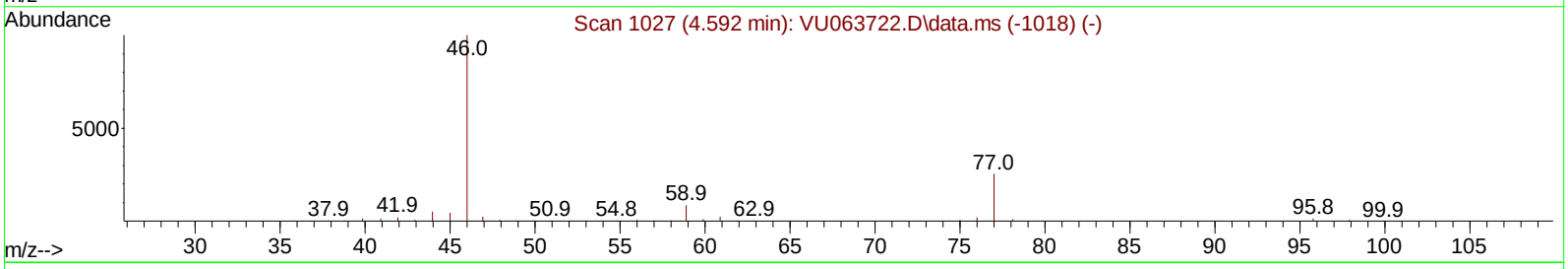
Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM







TIC: VU063720.D\data.ms

(21) 2-Butanone-d5 (S)

4.624min (+ 0.032) 8.22 ug/L m

response 14576

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	24.90	6.33#
0.00	0.00	0.00
0.00	0.00	0.00

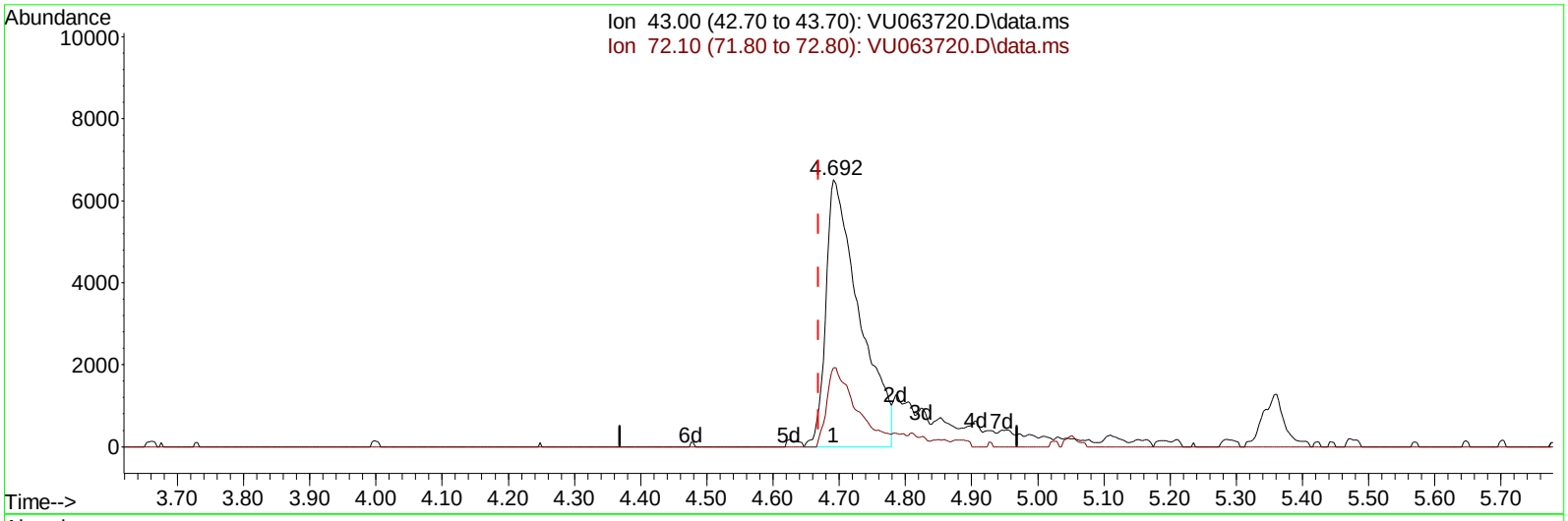
Quantitation Report (Qedit)

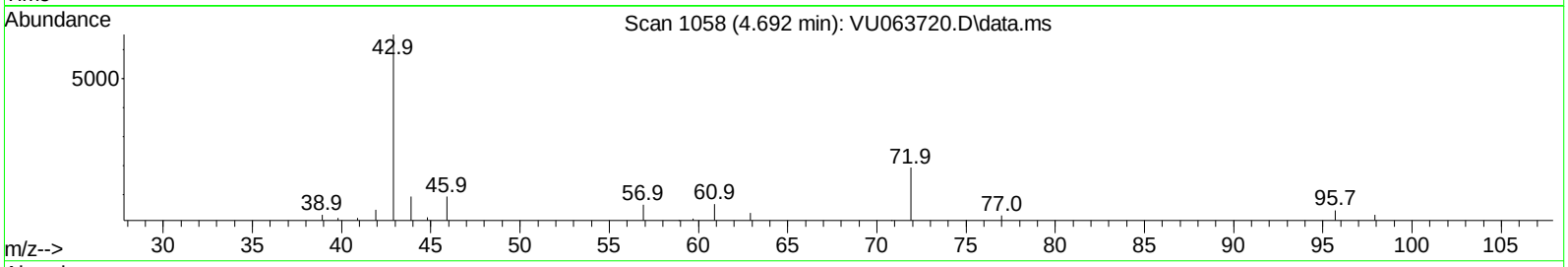
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

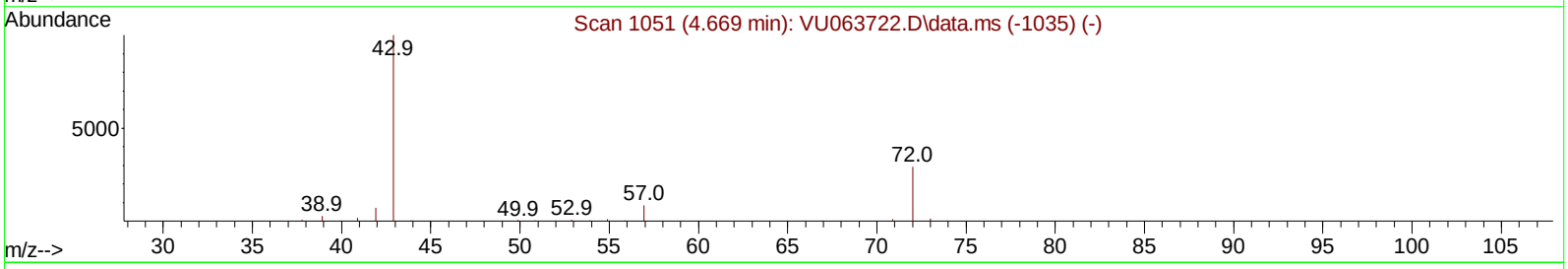
Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM







TIC: VU063720.D\data.ms

(22) 2-Butanone (T)

4.692min (+ 0.023) 9.19 ug/L

response 22882

Ion	Exp%	Act%
43.00	100.00	100.00
72.10	27.10	24.55
0.00	0.00	0.00
0.00	0.00	0.00

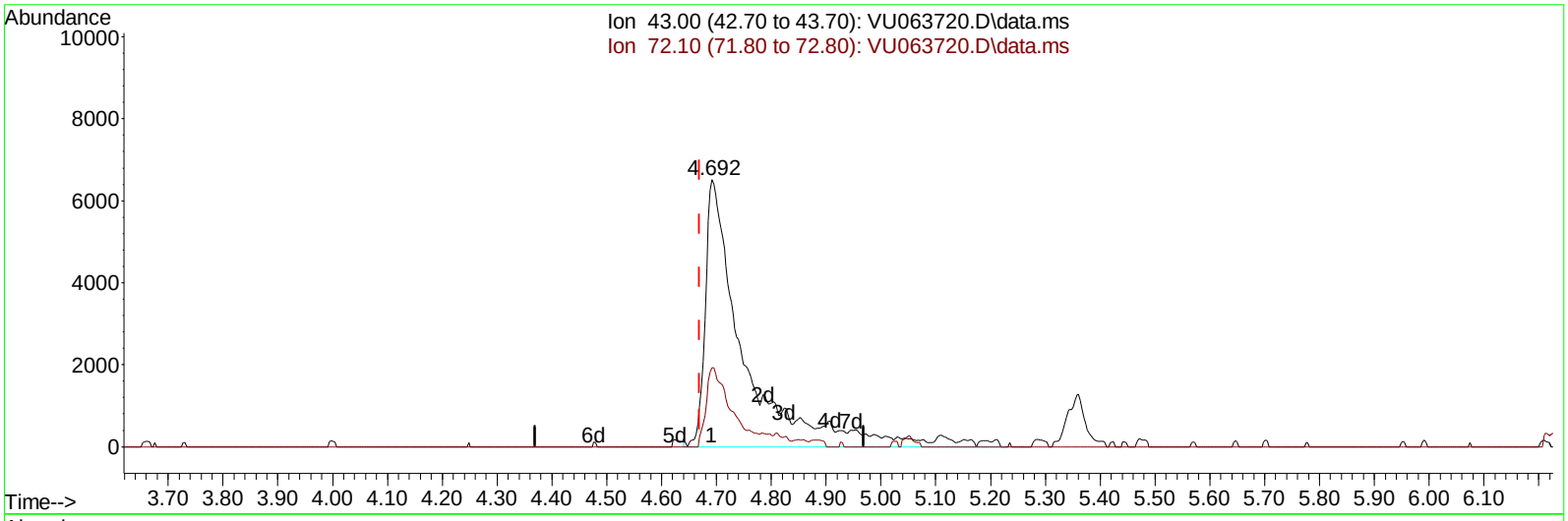
Quantitation Report (Qedit)

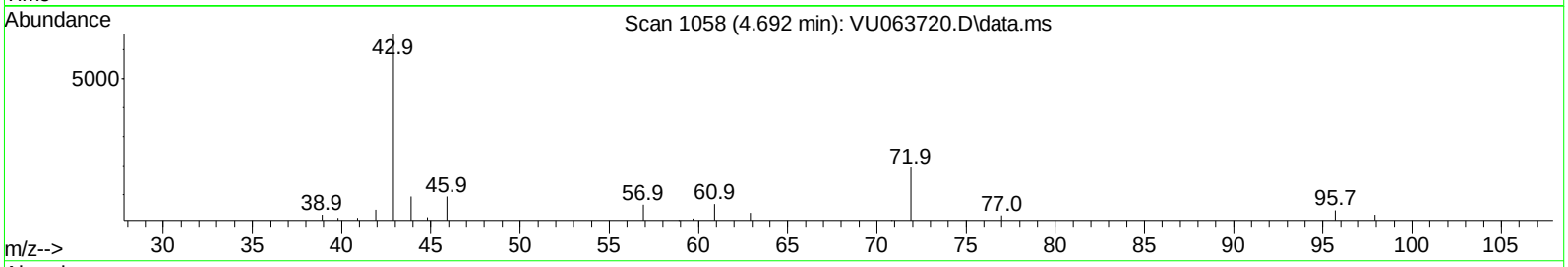
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

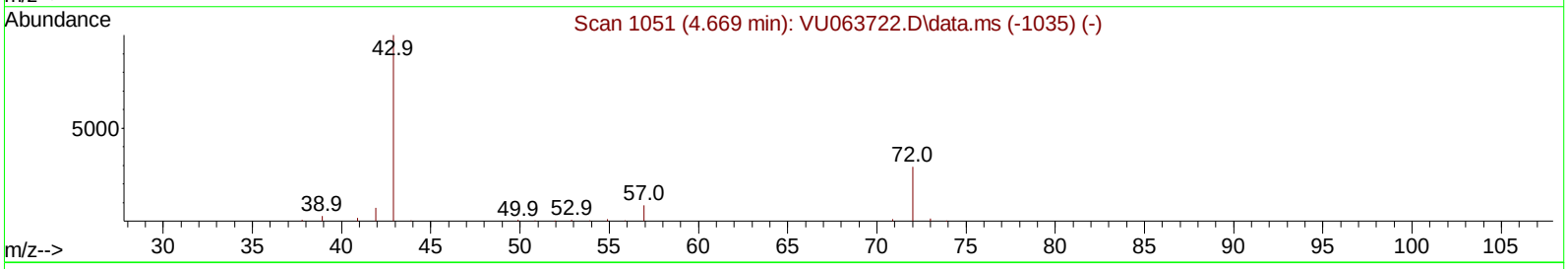
Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM







TIC: VU063720.D\data.ms

(22) 2-Butanone (T)

4.692min (+ 0.023) 13.11 ug/L m

response 32617

Ion	Exp%	Act%
43.00	100.00	100.00
72.10	27.10	17.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM

Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	6.222	114	379380	50.000	ug/L		0.00
28) Chlorobenzene-d5	9.393	117	354312	50.000	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	168880	50.000	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.586	65	15626	5.795	ug/L		0.00
7) Chloroethane-d5	1.894	69	12095	5.425	ug/L		0.00
11) 1,1-Dichloroethene-d2	2.547	63	28003	5.893	ug/L		0.00
21) 2-Butanone-d5	4.624	46	14576m	8.223	ug/L		0.03
24) Chloroform-d	5.036	84	25227	5.121	ug/L		0.00
26) 1,2-Dichloroethane-d4	5.676	65	17584	5.516	ug/L		0.00
32) Benzene-d6	5.698	84	49860	5.649	ug/L		0.00
36) 1,2-Dichloropropane-d6	6.666	67	14907	5.309	ug/L		0.00
41) Toluene-d8	7.875	98	48541	5.846	ug/L		0.00
43) trans-1,3-Dichloroprop...	8.161	79	5734	5.418	ug/L		0.00
47) 2-Hexanone-d5	8.624	63	7788	7.457	ug/L		0.02
56) 1,1,2,2-Tetrachloroeth...	10.733	84	20224	4.710	ug/L		0.00
66) 1,2-Dichlorobenzene-d4	12.171	152	15620	5.384	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.374	85	12527	6.062	ug/L		97
3) Chloromethane	1.509	50	14594	5.670	ug/L		98
5) Vinyl chloride	1.589	62	16267	5.281	ug/L		95
6) Bromomethane	1.840	94	10648	5.490	ug/L		99
8) Chloroethane	1.917	64	11250	5.403	ug/L		98
9) Trichlorofluoromethane	2.120	101	25875	5.703	ug/L		97
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	14802	5.822	ug/L		98
12) 1,1-Dichloroethene	2.557	96	14191	6.245	ug/L		89
13) Acetone	2.605	43	29154	13.203	ug/L		99
14) Carbon disulfide	2.769	76	36484	6.190	ug/L		100
15) Methyl Acetate	2.933	43	14655	4.726	ug/L	#	90
16) Methylene chloride	3.020	84	17223	6.072	ug/L		96
17) trans-1,2-Dichloroethene	3.329	96	14738	6.002	ug/L		95
18) Methyl tert-butyl Ether	3.338	73	48221	6.028	ug/L		98
19) 1,1-Dichloroethane	3.837	63	28294	5.780	ug/L		97
20) cis-1,2-Dichloroethene	4.640	96	15936	5.572	ug/L		93
22) 2-Butanone	4.692	43	32617m	13.106	ug/L		
23) Bromochloromethane	4.949	128	8593	5.768	ug/L		91
25) Chloroform	5.055	83	30994	5.921	ug/L		99
27) 1,2-Dichloroethane	5.769	62	25259	5.899	ug/L		95
29) Cyclohexane	5.354	56	25180	6.006	ug/L		96
30) 1,1,1-Trichloroethane	5.287	97	26252	6.593	ug/L		98
31) Carbon tetrachloride	5.492	117	19486	6.144	ug/L		95
33) Benzene	5.746	78	61310	5.965	ug/L		100
34) Trichloroethene	6.515	95	17845	6.095	ug/L		96
35) Methylcyclohexane	6.737	83	26066	6.224	ug/L		96
37) 1,2-Dichloropropane	6.762	63	15495	5.450	ug/L		99
38) Bromodichloromethane	7.081	83	21433	6.224	ug/L		96
39) cis-1,3-Dichloropropene	7.586	75	21823	5.837	ug/L		99
40) 4-Methyl-2-pentanone	7.772	43	41446	10.142	ug/L		98
42) Toluene	7.946	91	65896	5.803	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063720.D
Acq On : 17 Nov 2025 11:16
Operator : MD/SY
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005045

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:05 AM

Quant Time: Nov 18 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.190	75	19309	5.953 ug/L	99
45) 1,1,2-Trichloroethane	8.377	97	16592	5.962 ug/L	97
46) Tetrachloroethene	8.528	164	13297	6.213 ug/L	96
48) 2-Hexanone	8.676	43	29236	9.319 ug/L	93
49) Dibromochloromethane	8.785	129	15200	6.010 ug/L	97
50) 1,2-Dibromoethane	8.901	107	17971	6.216 ug/L	90
51) Chlorobenzene	9.425	112	45068	5.975 ug/L	96
52) Ethylbenzene	9.547	91	76125	6.018 ug/L	98
53) m,p-Xylene	9.672	106	28858	6.065 ug/L	95
54) o-Xylene	10.077	106	28098	5.998 ug/L	97
55) Styrene	10.097	104	41442	5.398 ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.756	83	25897	5.541 ug/L	98
59) Bromoform	10.267	173	10726	6.341 ug/L #	70
60) 1,2,3-Trichloropropane	10.801	75	22286	6.289 ug/L	96
61) Isopropylbenzene	10.460	105	74961	6.429 ug/L	100
62) 1,3,5-Trimethylbenzene	11.065	105	58565	6.121 ug/L	98
63) 1,2,4-Trimethylbenzene	11.444	105	55048	5.953 ug/L	100
64) 1,3-Dichlorobenzene	11.727	146	33057	6.241 ug/L	97
65) 1,4-Dichlorobenzene	11.814	146	34621	6.476 ug/L	97
67) 1,2-Dichlorobenzene	12.190	146	32109	6.191 ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.971	75	4310	5.273 ug/L	90
69) 1,3,5-Trichlorobenzene	13.196	180	20095	5.437 ug/L	98
70) 1,2,4-trichlorobenzene	13.820	180	15957	5.240 ug/L	99
71) Naphthalene	14.068	128	34473	4.166 ug/L	100
72) 1,2,3-Trichlorobenzene	14.306	180	15598	5.345 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

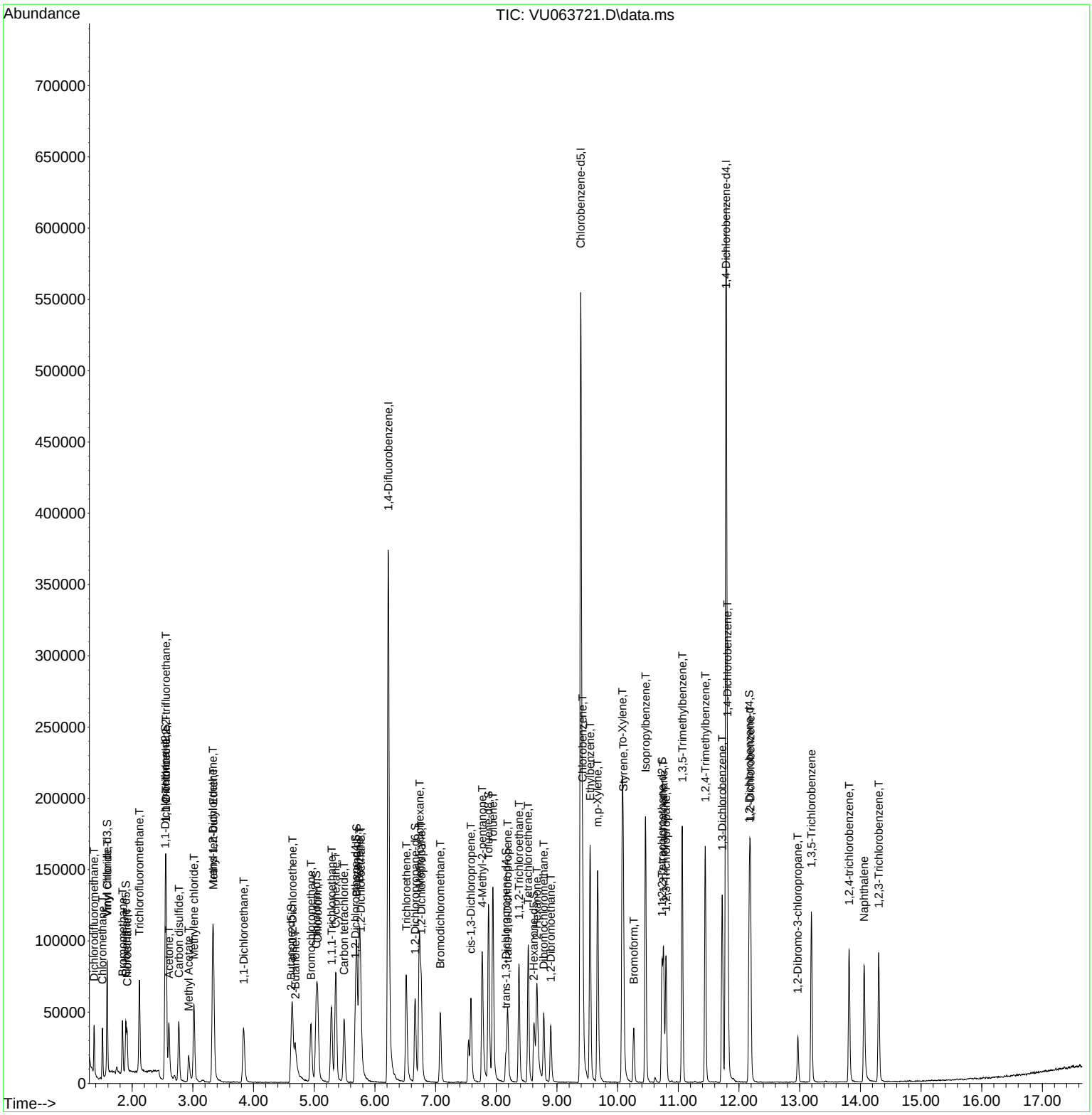
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	6.222	114	328405	50.000	ug/L		0.00
28) Chlorobenzene-d5	9.393	117	321782	50.000	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	162988	50.000	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.586	65	29106	12.469	ug/L		0.00
7) Chloroethane-d5	1.895	69	23129	11.985	ug/L		0.00
11) 1,1-Dichloroethene-d2	2.544	63	50483	12.272	ug/L		0.00
21) 2-Butanone-d5	4.618	46	31903m	20.790	ug/L		0.03
24) Chloroform-d	5.033	84	47211	11.071	ug/L		0.00
26) 1,2-Dichloroethane-d4	5.676	65	32548	11.794	ug/L		0.00
32) Benzene-d6	5.698	84	94897	11.838	ug/L		0.00
36) 1,2-Dichloropropane-d6	6.663	67	28138	11.034	ug/L		0.00
41) Toluene-d8	7.872	98	91517	12.135	ug/L		0.00
43) trans-1,3-Dichloroprop...	8.158	79	10563	10.989	ug/L		0.00
47) 2-Hexanone-d5	8.618	63	17720	18.682	ug/L		0.00
56) 1,1,2,2-Tetrachloroeth...	10.730	84	39689	10.178	ug/L		0.00
66) 1,2-Dichlorobenzene-d4	12.171	152	31071	11.096	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.374	85	19310	10.795	ug/L		98
3) Chloromethane	1.509	50	22754	10.213	ug/L		100
5) Vinyl chloride	1.589	62	25980	9.743	ug/L		99
6) Bromomethane	1.840	94	15931	9.488	ug/L		98
8) Chloroethane	1.917	64	16478	9.142	ug/L		93
9) Trichlorofluoromethane	2.120	101	40129	10.218	ug/L		100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	24490	11.128	ug/L		96
12) 1,1-Dichloroethene	2.557	96	21942	11.155	ug/L		92
13) Acetone	2.605	43	45662	23.888	ug/L		100
14) Carbon disulfide	2.769	76	54952	10.771	ug/L		98
15) Methyl Acetate	2.930	43	25484	9.495	ug/L		96
16) Methylene chloride	3.017	84	24517	9.986	ug/L		96
17) trans-1,2-Dichloroethene	3.329	96	22194	10.441	ug/L		96
18) Methyl tert-butyl Ether	3.338	73	76588	11.061	ug/L		96
19) 1,1-Dichloroethane	3.837	63	44498	10.501	ug/L		99
20) cis-1,2-Dichloroethene	4.640	96	26311	10.628	ug/L		95
22) 2-Butanone	4.689	43	50440m	23.414	ug/L		
23) Bromochloromethane	4.946	128	13068	10.133	ug/L		96
25) Chloroform	5.055	83	47939	10.580	ug/L		98
27) 1,2-Dichloroethane	5.769	62	38491	10.384	ug/L		99
29) Cyclohexane	5.354	56	40326	10.591	ug/L		97
30) 1,1,1-Trichloroethane	5.287	97	39572	10.944	ug/L		99
31) Carbon tetrachloride	5.492	117	29800	10.347	ug/L		94
33) Benzene	5.746	78	96290	10.315	ug/L		100
34) Trichloroethene	6.518	95	28351	10.662	ug/L		98
35) Methylcyclohexane	6.737	83	41970	11.034	ug/L		99
37) 1,2-Dichloropropane	6.766	63	24426	9.459	ug/L	#	93
38) Bromodichloromethane	7.078	83	33582	10.738	ug/L		93
39) cis-1,3-Dichloropropene	7.582	75	36028	10.610	ug/L		97
40) 4-Methyl-2-pentanone	7.769	43	70394	18.967	ug/L		99
42) Toluene	7.946	91	107925	10.465	ug/L		100
44) trans-1,3-Dichloropropene	8.187	75	30176	10.244	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM

Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.373	97	26549	10.505 ug/L	99
46) Tetrachloroethene	8.524	164	21878	11.256 ug/L	93
48) 2-Hexanone	8.669	43	53037	18.615 ug/L	95
49) Dibromochloromethane	8.782	129	24409	10.628 ug/L	98
50) 1,2-Dibromoethane	8.897	107	26999	10.283 ug/L	96
51) Chlorobenzene	9.422	112	72750	10.620 ug/L	97
52) Ethylbenzene	9.547	91	122643	10.676 ug/L	97
53) m,p-Xylene	9.669	106	46215	10.695 ug/L	98
54) o-Xylene	10.077	106	45102	10.601 ug/L	95
55) Styrene	10.094	104	71403	10.242 ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.756	83	43410	10.227 ug/L	99
59) Bromoform	10.264	173	16799	10.290 ug/L	97
60) 1,2,3-Trichloropropane	10.798	75	36279	10.609 ug/L	96
61) Isopropylbenzene	10.460	105	123547	10.979 ug/L	99
62) 1,3,5-Trimethylbenzene	11.065	105	99977	10.828 ug/L	97
63) 1,2,4-Trimethylbenzene	11.444	105	92420	10.356 ug/L	99
64) 1,3-Dichlorobenzene	11.724	146	55308	10.819 ug/L	97
65) 1,4-Dichlorobenzene	11.811	146	58362	11.311 ug/L	98
67) 1,2-Dichlorobenzene	12.190	146	53734	10.736 ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.968	75	8089	10.254 ug/L	95
69) 1,3,5-Trichlorobenzene	13.193	180	36328	10.184 ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	29188	9.932 ug/L	98
71) Naphthalene	14.061	128	75167	9.411 ug/L	99
72) 1,2,3-Trichlorobenzene	14.302	180	26864	9.538 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

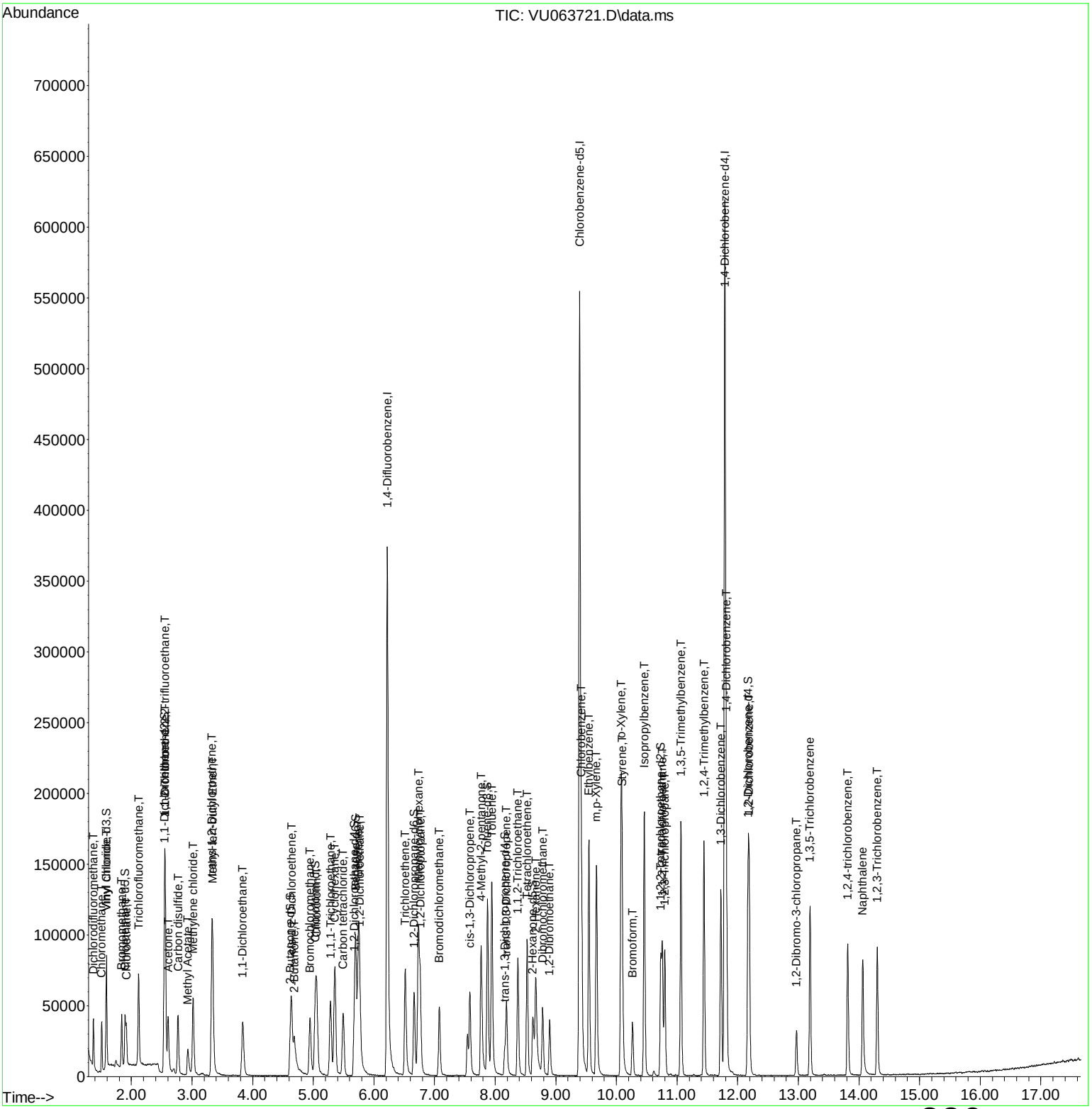
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM



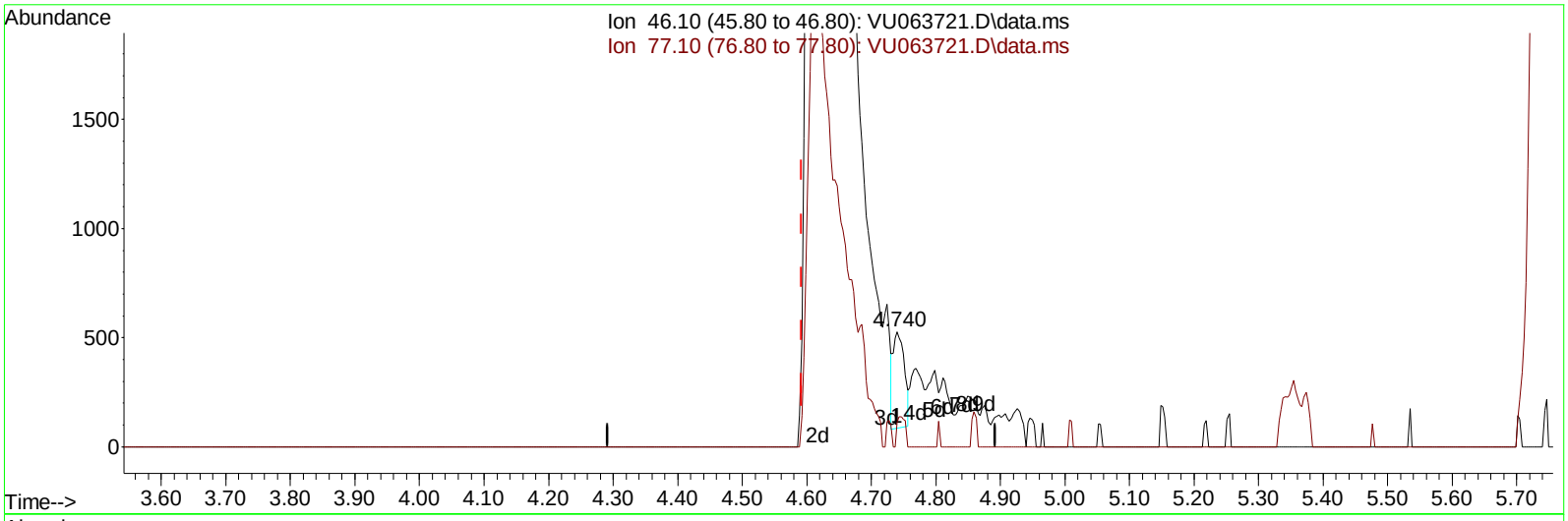
Quantitation Report (Qedit)

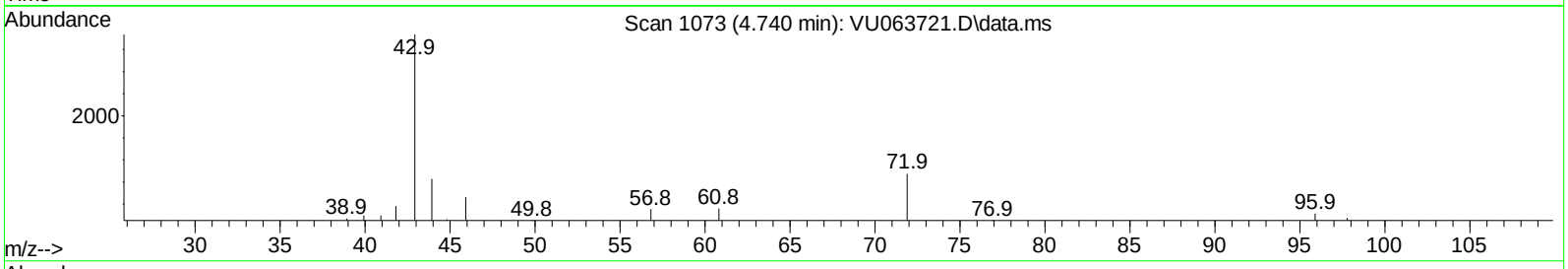
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Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

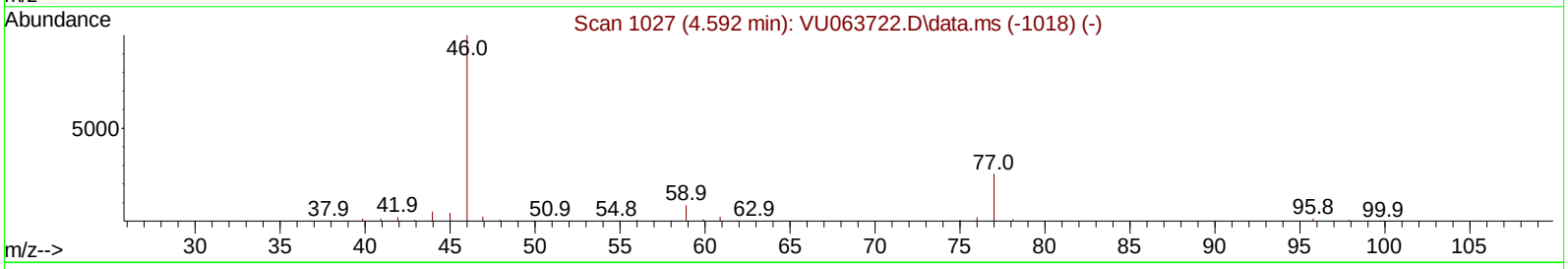
Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM







TIC: VU063721.D\data.ms

(21) 2-Butanone-d5 (S)

4.740min (+ 0.148) 0.35 ug/L

response 530

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	24.90	23.02
0.00	0.00	0.00
0.00	0.00	0.00

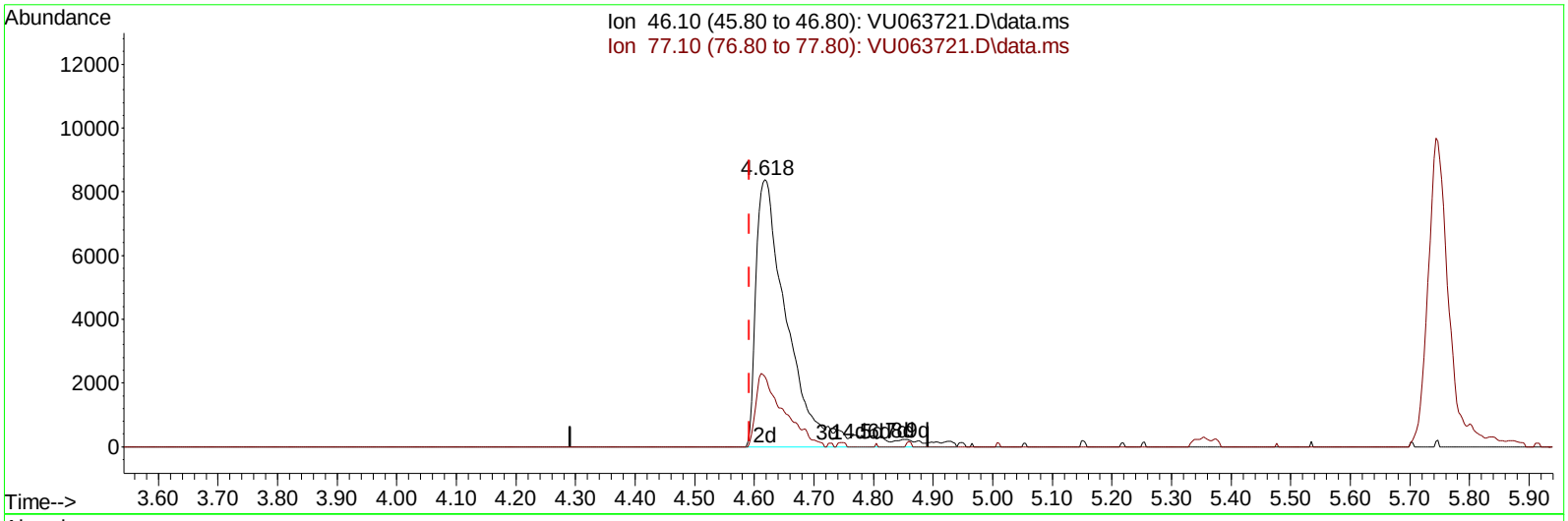
Quantitation Report (Qedit)

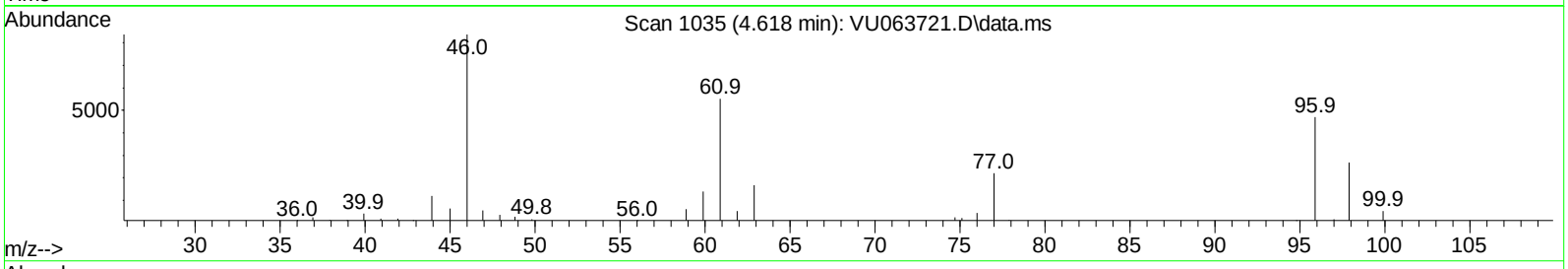
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

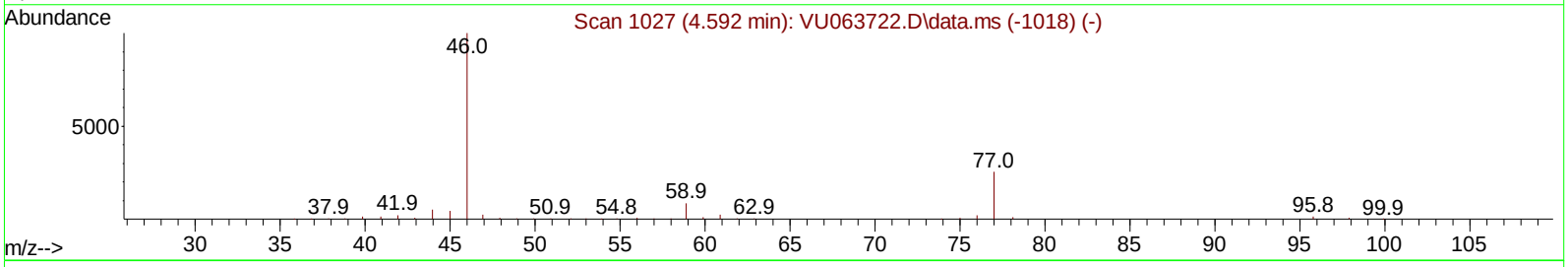
Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM







TIC: VU063721.D\data.ms

(21) 2-Butanone-d5 (S)

4.618min (+ 0.026) 20.79 ug/L m

response 31903

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	24.90	0.38#
0.00	0.00	0.00
0.00	0.00	0.00

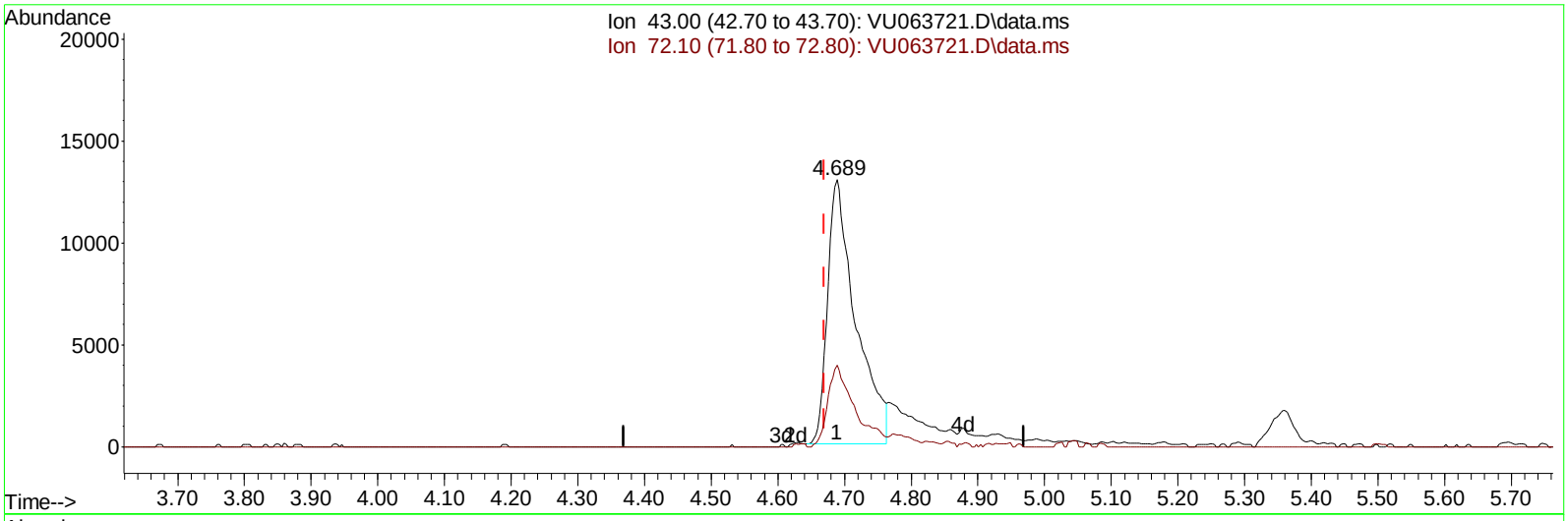
Quantitation Report (Qedit)

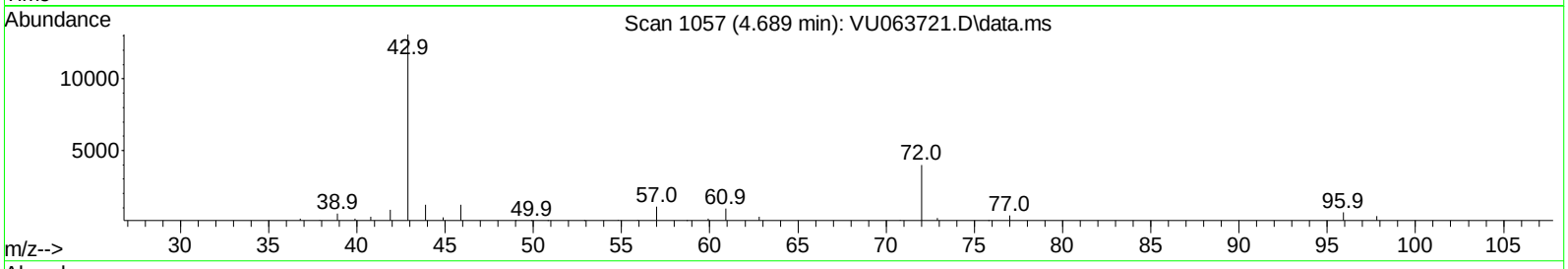
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

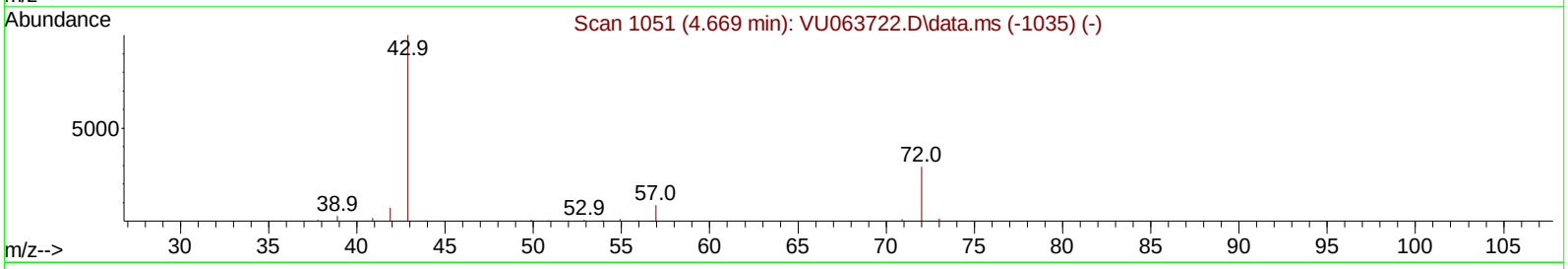
Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM







TIC: VU063721.D\data.ms

(22) 2-Butanone (T)

4.689min (+ 0.019) 17.71 ug/L

response 38156

Ion	Exp%	Act%
43.00	100.00	100.00
72.10	27.10	29.70
0.00	0.00	0.00
0.00	0.00	0.00

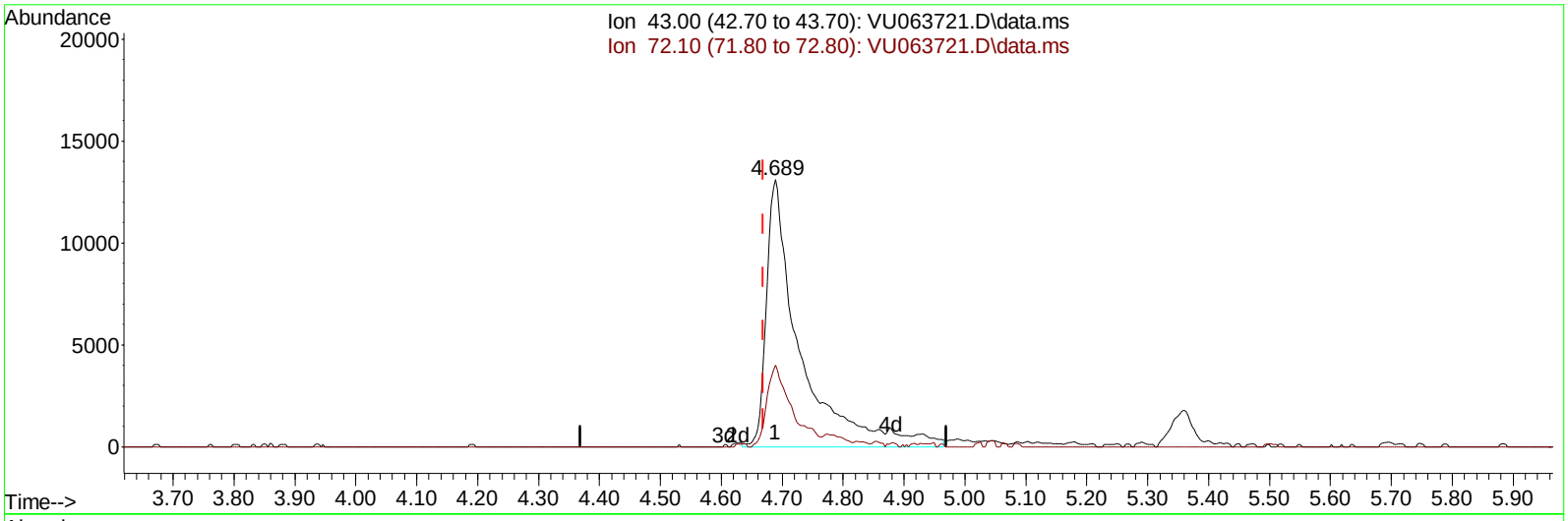
Quantitation Report (Qedit)

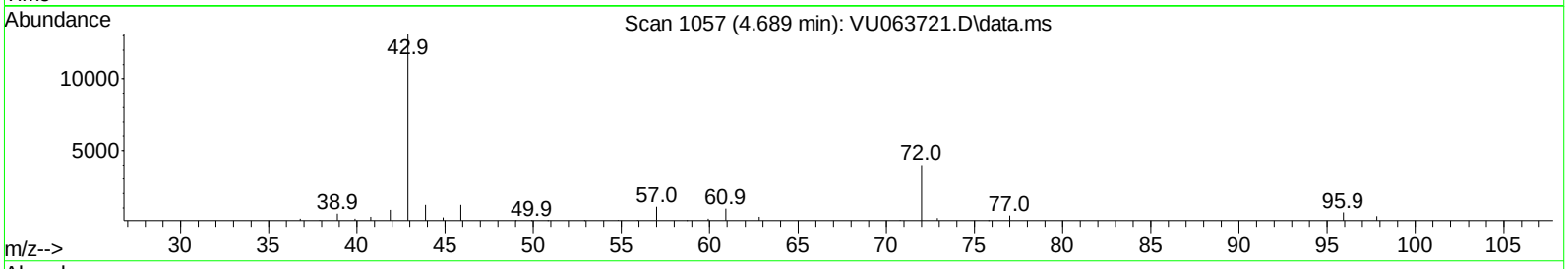
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Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

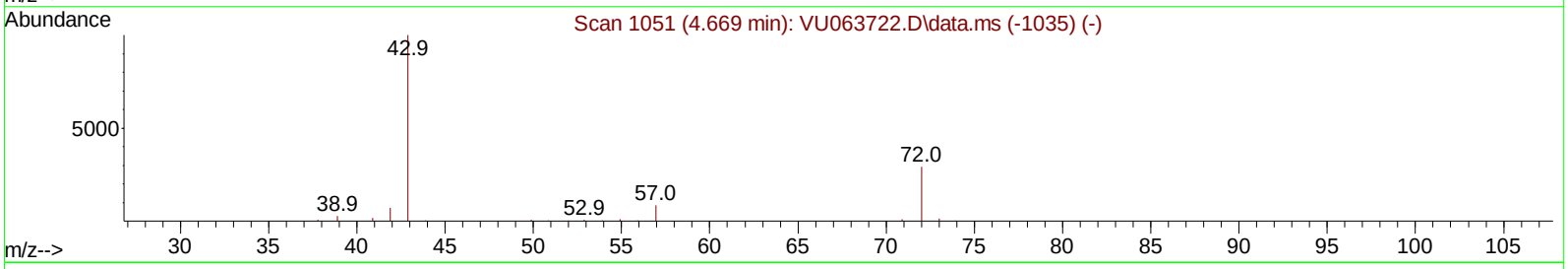
Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM







TIC: VU063721.D\data.ms

(22) 2-Butanone (T)

4.689min (+ 0.019) 23.41 ug/L m

response 50440

Ion	Exp%	Act%
43.00	100.00	100.00
72.10	27.10	22.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	6.222	114	328405	50.000	ug/L		0.00
28) Chlorobenzene-d5	9.393	117	321782	50.000	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	162988	50.000	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.586	65	29106	12.469	ug/L		0.00
7) Chloroethane-d5	1.895	69	23129	11.985	ug/L		0.00
11) 1,1-Dichloroethene-d2	2.544	63	50483	12.272	ug/L		0.00
21) 2-Butanone-d5	4.618	46	31903m	20.790	ug/L		0.03
24) Chloroform-d	5.033	84	47211	11.071	ug/L		0.00
26) 1,2-Dichloroethane-d4	5.676	65	32548	11.794	ug/L		0.00
32) Benzene-d6	5.698	84	94897	11.838	ug/L		0.00
36) 1,2-Dichloropropane-d6	6.663	67	28138	11.034	ug/L		0.00
41) Toluene-d8	7.872	98	91517	12.135	ug/L		0.00
43) trans-1,3-Dichloroprop...	8.158	79	10563	10.989	ug/L		0.00
47) 2-Hexanone-d5	8.618	63	17720	18.682	ug/L		0.00
56) 1,1,2,2-Tetrachloroeth...	10.730	84	39689	10.178	ug/L		0.00
66) 1,2-Dichlorobenzene-d4	12.171	152	31071	11.096	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.374	85	19310	10.795	ug/L		98
3) Chloromethane	1.509	50	22754	10.213	ug/L		100
5) Vinyl chloride	1.589	62	25980	9.743	ug/L		99
6) Bromomethane	1.840	94	15931	9.488	ug/L		98
8) Chloroethane	1.917	64	16478	9.142	ug/L		93
9) Trichlorofluoromethane	2.120	101	40129	10.218	ug/L		100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	24490	11.128	ug/L		96
12) 1,1-Dichloroethene	2.557	96	21942	11.155	ug/L		92
13) Acetone	2.605	43	45662	23.888	ug/L		100
14) Carbon disulfide	2.769	76	54952	10.771	ug/L		98
15) Methyl Acetate	2.930	43	25484	9.495	ug/L		96
16) Methylene chloride	3.017	84	24517	9.986	ug/L		96
17) trans-1,2-Dichloroethene	3.329	96	22194	10.441	ug/L		96
18) Methyl tert-butyl Ether	3.338	73	76588	11.061	ug/L		96
19) 1,1-Dichloroethane	3.837	63	44498	10.501	ug/L		99
20) cis-1,2-Dichloroethene	4.640	96	26311	10.628	ug/L		95
22) 2-Butanone	4.689	43	50440m	23.414	ug/L		
23) Bromochloromethane	4.946	128	13068	10.133	ug/L		96
25) Chloroform	5.055	83	47939	10.580	ug/L		98
27) 1,2-Dichloroethane	5.769	62	38491	10.384	ug/L		99
29) Cyclohexane	5.354	56	40326	10.591	ug/L		97
30) 1,1,1-Trichloroethane	5.287	97	39572	10.944	ug/L		99
31) Carbon tetrachloride	5.492	117	29800	10.347	ug/L		94
33) Benzene	5.746	78	96290	10.315	ug/L		100
34) Trichloroethene	6.518	95	28351	10.662	ug/L		98
35) Methylcyclohexane	6.737	83	41970	11.034	ug/L		99
37) 1,2-Dichloropropane	6.766	63	24426	9.459	ug/L	#	93
38) Bromodichloromethane	7.078	83	33582	10.738	ug/L		93
39) cis-1,3-Dichloropropene	7.582	75	36028	10.610	ug/L		97
40) 4-Methyl-2-pentanone	7.769	43	70394	18.967	ug/L		99
42) Toluene	7.946	91	107925	10.465	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063721.D
Acq On : 17 Nov 2025 11:43
Operator : MD/SY
Sample : VSTD01046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Manual Integrations APPROVED
MMDadoda
11/19/2025 11:19:09 AM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.187	75	30176	10.244 ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	26549	10.505 ug/L	99
46) Tetrachloroethene	8.524	164	21878	11.256 ug/L	93
48) 2-Hexanone	8.669	43	53037	18.615 ug/L	95
49) Dibromochloromethane	8.782	129	24409	10.628 ug/L	98
50) 1,2-Dibromoethane	8.897	107	26999	10.283 ug/L	96
51) Chlorobenzene	9.422	112	72750	10.620 ug/L	97
52) Ethylbenzene	9.547	91	122643	10.676 ug/L	97
53) m,p-Xylene	9.669	106	46215	10.695 ug/L	98
54) o-Xylene	10.077	106	45102	10.601 ug/L	95
55) Styrene	10.094	104	71403	10.242 ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.756	83	43410	10.227 ug/L	99
59) Bromoform	10.264	173	16799	10.290 ug/L	97
60) 1,2,3-Trichloropropane	10.798	75	36279	10.609 ug/L	96
61) Isopropylbenzene	10.460	105	123547	10.979 ug/L	99
62) 1,3,5-Trimethylbenzene	11.065	105	99977	10.828 ug/L	97
63) 1,2,4-Trimethylbenzene	11.444	105	92420	10.356 ug/L	99
64) 1,3-Dichlorobenzene	11.724	146	55308	10.819 ug/L	97
65) 1,4-Dichlorobenzene	11.811	146	58362	11.311 ug/L	98
67) 1,2-Dichlorobenzene	12.190	146	53734	10.736 ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.968	75	8089	10.254 ug/L	95
69) 1,3,5-Trichlorobenzene	13.193	180	36328	10.184 ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	29188	9.932 ug/L	98
71) Naphthalene	14.061	128	75167	9.411 ug/L	99
72) 1,2,3-Trichlorobenzene	14.302	180	26864	9.538 ug/L	99

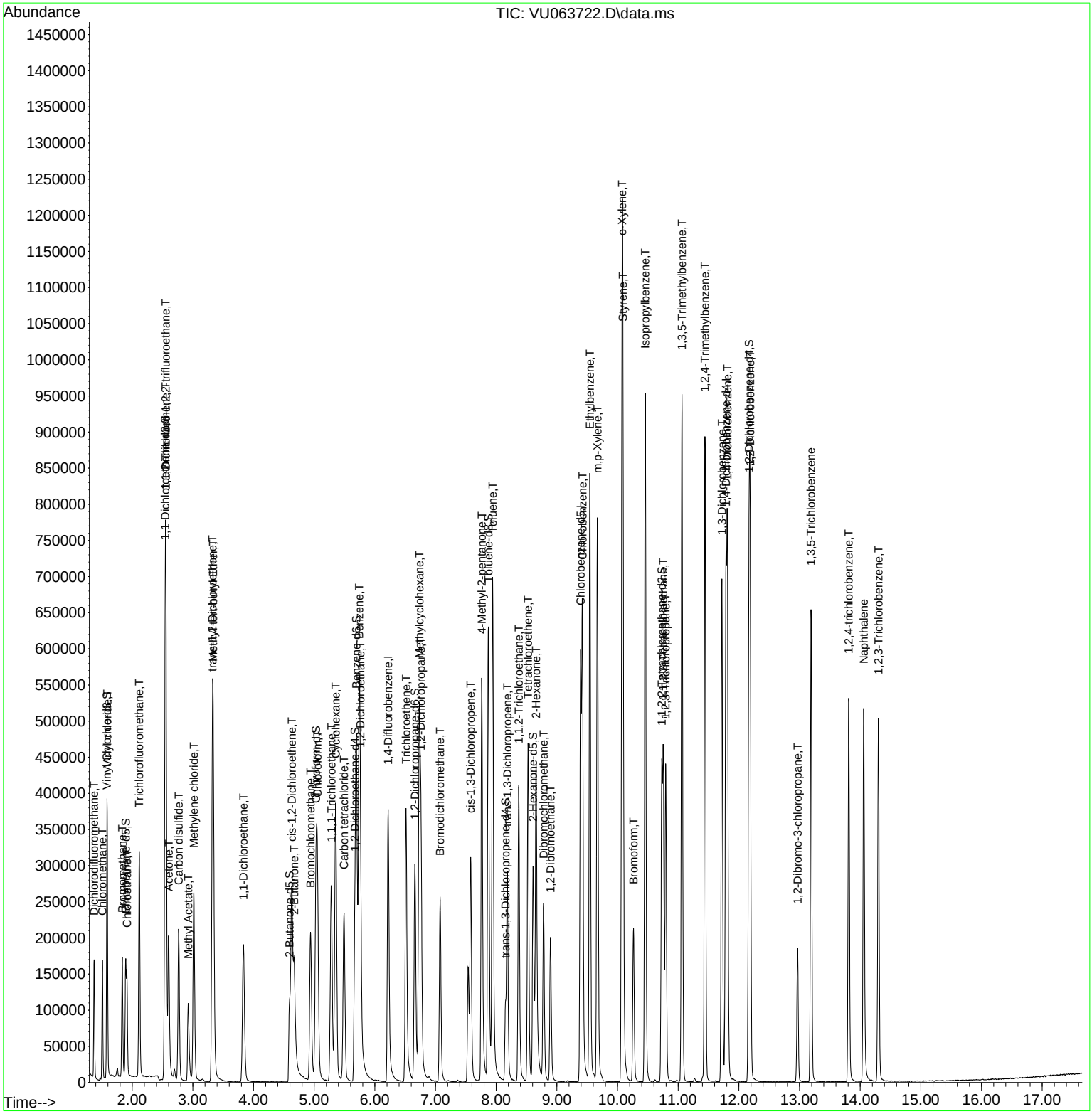
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063722.D
Acq On : 17 Nov 2025 12:09
Operator : MD/SY
Sample : VSTD05047
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050047

Quant Time: Nov 18 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063722.D
Acq On : 17 Nov 2025 12:09
Operator : MD/SY
Sample : VSTD05047
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050047

Quant Time: Nov 18 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	333307	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	320324	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	172570	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	144319	60.916	ug/L	0.00
7) Chloroethane-d5	1.894	69	110776	56.557	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.544	63	246561	59.055	ug/L	0.00
21) 2-Butanone-d5	4.592	46	166027	106.604	ug/L	0.00
24) Chloroform-d	5.029	84	248733	57.470	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.669	65	157519	56.240	ug/L	0.00
32) Benzene-d6	5.695	84	478052	59.904	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	137050	53.988	ug/L	0.00
41) Toluene-d8	7.872	98	444706	59.238	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.151	79	57241	59.822	ug/L	0.00
47) 2-Hexanone-d5	8.608	63	106726	113.032	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.727	84	202732	52.224	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.167	152	160560	54.155	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	95984	52.872	ug/L	100
3) Chloromethane	1.509	50	103958	45.974	ug/L	100
5) Vinyl chloride	1.589	62	124651	46.057	ug/L	100
6) Bromomethane	1.837	94	76972	45.170	ug/L	100
8) Chloroethane	1.914	64	84432	46.154	ug/L	100
9) Trichlorofluoromethane	2.116	101	196454	49.289	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	116598	52.200	ug/L	100
12) 1,1-Dichloroethene	2.554	96	105089	52.640	ug/L	100
13) Acetone	2.602	43	216117	111.399	ug/L	100
14) Carbon disulfide	2.766	76	270810	52.301	ug/L	100
15) Methyl Acetate	2.923	43	136382	50.064	ug/L	100
16) Methylene chloride	3.017	84	123048	49.381	ug/L	100
17) trans-1,2-Dichloroethene	3.322	96	115772	53.664	ug/L	100
18) Methyl tert-butyl Ether	3.335	73	387879	55.194	ug/L	100
19) 1,1-Dichloroethane	3.833	63	219147	50.955	ug/L	100
20) cis-1,2-Dichloroethene	4.631	96	132625	52.785	ug/L	100
22) 2-Butanone	4.669	43	228402	104.462	ug/L	100
23) Bromochloromethane	4.939	128	68372	52.236	ug/L	100
25) Chloroform	5.052	83	235643	51.240	ug/L	100
27) 1,2-Dichloroethane	5.762	62	188526	50.112	ug/L	100
29) Cyclohexane	5.354	56	200314	52.847	ug/L	100
30) 1,1,1-Trichloroethane	5.283	97	200224	55.624	ug/L	100
31) Carbon tetrachloride	5.492	117	160588	56.010	ug/L	100
33) Benzene	5.743	78	480509	51.711	ug/L	100
34) Trichloroethene	6.515	95	135755	51.287	ug/L	100
35) Methylcyclohexane	6.733	83	204785	54.085	ug/L	100
37) 1,2-Dichloropropane	6.759	63	125119	48.673	ug/L	100
38) Bromodichloromethane	7.074	83	169687	54.505	ug/L	100
39) cis-1,3-Dichloropropene	7.579	75	176510	52.219	ug/L	100
40) 4-Methyl-2-pentanone	7.762	43	367694	99.522	ug/L	100
42) Toluene	7.942	91	535417	52.151	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	163846	55.877	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063722.D
Acq On : 17 Nov 2025 12:09
Operator : MD/SY
Sample : VSTD05047
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050047

Quant Time: Nov 18 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.373	97	131998	52.466	ug/L	100
46) Tetrachloroethene	8.524	164	104850	54.189	ug/L	100
48) 2-Hexanone	8.656	43	295150	104.066	ug/L	100
49) Dibromochloromethane	8.782	129	126120	55.163	ug/L	100
50) 1,2-Dibromoethane	8.894	107	137578	52.635	ug/L	100
51) Chlorobenzene	9.421	112	356361	52.258	ug/L	100
52) Ethylbenzene	9.544	91	619897	54.208	ug/L	100
53) m,p-Xylene	9.669	106	236896	55.071	ug/L	100
54) o-Xylene	10.074	106	227901	53.811	ug/L	100
55) Styrene	10.090	104	381639	54.989	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.753	83	213730	50.582	ug/L	100
59) Bromoform	10.264	173	94767	54.824	ug/L	100
60) 1,2,3-Trichloropropane	10.794	75	174928	48.311	ug/L	100
61) Isopropylbenzene	10.457	105	625267	52.481	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	519067	53.094	ug/L	100
63) 1,2,4-Trimethylbenzene	11.441	105	496031	52.496	ug/L	100
64) 1,3-Dichlorobenzene	11.720	146	278353	51.425	ug/L	100
65) 1,4-Dichlorobenzene	11.810	146	278205	50.927	ug/L	100
67) 1,2-Dichlorobenzene	12.187	146	270469	51.039	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.968	75	45442	54.406	ug/L	100
69) 1,3,5-Trichlorobenzene	13.190	180	193460	51.221	ug/L	100
70) 1,2,4-trichlorobenzene	13.810	180	156987	50.451	ug/L	100
71) Naphthalene	14.058	128	424436	50.190	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	148843	49.912	ug/L	100

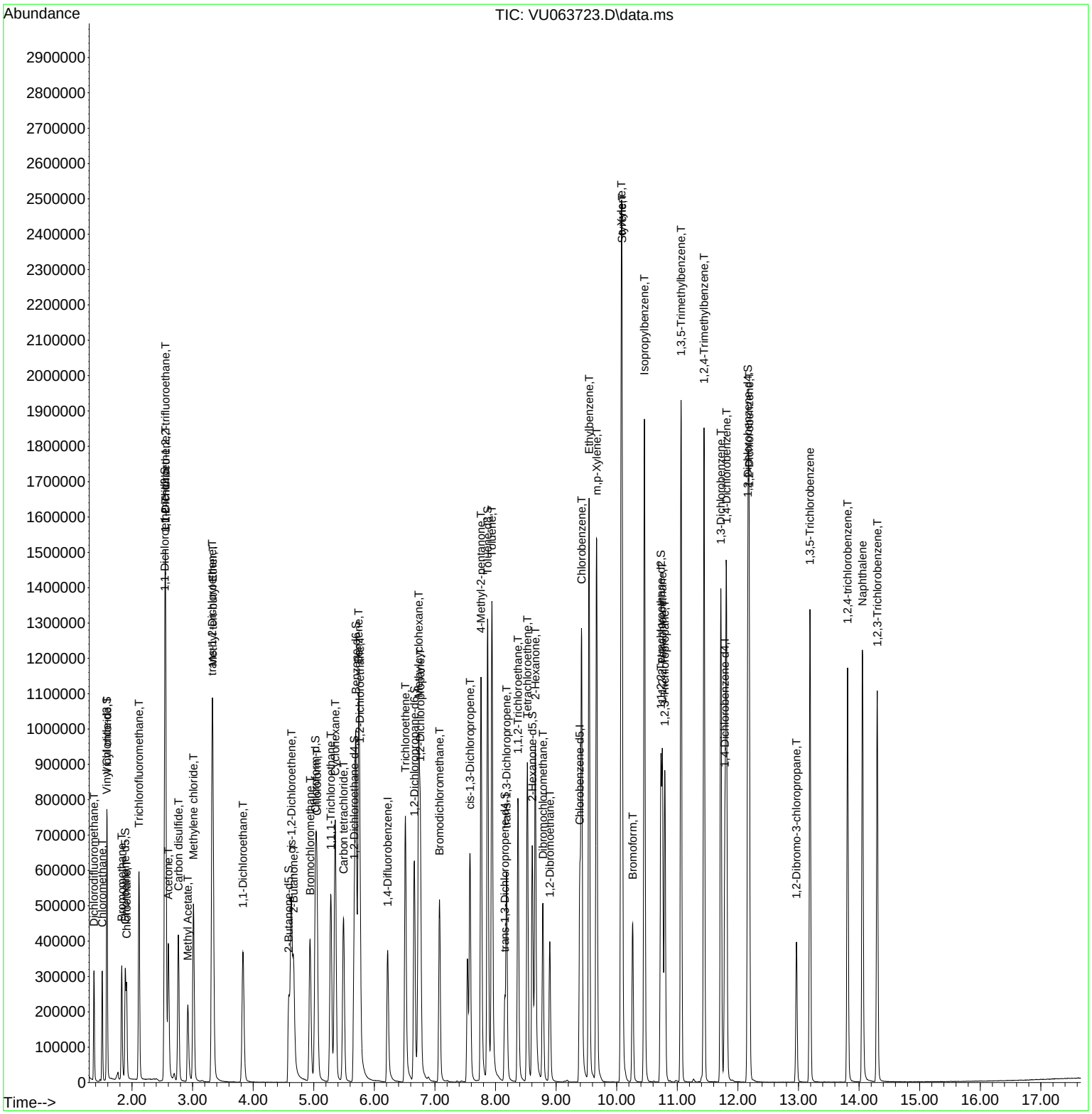
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063723.D
Acq On : 17 Nov 2025 12:34
Operator : MD/SY
Sample : VSTD10048
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD100048

Quant Time: Nov 18 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063723.D
Acq On : 17 Nov 2025 12:34
Operator : MD/SY
Sample : VSTD10048
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD100048

Quant Time: Nov 18 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	331361	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.389	117	322303	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	174835	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	292770	124.301	ug/L	0.00
7) Chloroethane-d5	1.888	69	221077	113.534	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.541	63	504146	121.459	ug/L	0.00
21) 2-Butanone-d5	4.586	46	356466	230.227	ug/L	0.00
24) Chloroform-d	5.026	84	500211	116.253	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.666	65	321208	115.357	ug/L	0.00
32) Benzene-d6	5.695	84	969662	120.761	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	283691	111.067	ug/L	0.00
41) Toluene-d8	7.869	98	906308	119.985	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.152	79	120781	125.451	ug/L	0.00
47) 2-Hexanone-d5	8.605	63	231965	244.163	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.730	84	424500	108.680	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.164	152	338054	112.544	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	179251	99.318	ug/L	99
3) Chloromethane	1.509	50	198745	88.409	ug/L	100
5) Vinyl chloride	1.589	62	238753	88.735	ug/L	100
6) Bromomethane	1.830	94	152707	90.140	ug/L	97
8) Chloroethane	1.911	64	158823	87.328	ug/L	100
9) Trichlorofluoromethane	2.116	101	378350	95.483	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	224461	101.079	ug/L	98
12) 1,1-Dichloroethene	2.554	96	202557	102.059	ug/L	97
13) Acetone	2.599	43	405936	210.471	ug/L	99
14) Carbon disulfide	2.766	76	536481	104.217	ug/L	98
15) Methyl Acetate	2.920	43	267815	98.890	ug/L	100
16) Methylene chloride	3.014	84	234080	94.491	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	221095	103.087	ug/L	93
18) Methyl tert-butyl Ether	3.332	73	752699	107.735	ug/L	99
19) 1,1-Dichloroethane	3.830	63	423446	99.035	ug/L	100
20) cis-1,2-Dichloroethene	4.631	96	260611	104.333	ug/L	98
22) 2-Butanone	4.666	43	448027	206.113	ug/L	97
23) Bromochloromethane	4.939	128	131261	100.872	ug/L	98
25) Chloroform	5.052	83	457983	100.173	ug/L	99
27) 1,2-Dichloroethane	5.759	62	380196	101.653	ug/L	100
29) Cyclohexane	5.354	56	380799	99.846	ug/L	95
30) 1,1,1-Trichloroethane	5.280	97	389367	107.505	ug/L	99
31) Carbon tetrachloride	5.489	117	316600	109.746	ug/L	98
33) Benzene	5.740	78	941010	100.647	ug/L	100
34) Trichloroethene	6.512	95	270252	101.472	ug/L	98
35) Methylcyclohexane	6.730	83	388959	102.095	ug/L	99
37) 1,2-Dichloropropane	6.759	63	248488	96.072	ug/L	100
38) Bromodichloromethane	7.074	83	338649	108.108	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	375275	110.339	ug/L	100
40) 4-Methyl-2-pentanone	7.759	43	739858	199.024	ug/L	100
42) Toluene	7.939	91	1041591	100.830	ug/L	99
44) trans-1,3-Dichloropropene	8.181	75	324889	110.117	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063723.D
Acq On : 17 Nov 2025 12:34
Operator : MD/SY
Sample : VSTD10048
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD100048

Quant Time: Nov 18 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.370	97	259938	102.685	ug/L	99
46) Tetrachloroethene	8.525	164	205428	105.518	ug/L	99
48) 2-Hexanone	8.656	43	606263	212.447	ug/L	99
49) Dibromochloromethane	8.782	129	258771	112.487	ug/L	100
50) 1,2-Dibromoethane	8.894	107	270367	102.803	ug/L	99
51) Chlorobenzene	9.418	112	694486	101.217	ug/L	100
52) Ethylbenzene	9.544	91	1211431	105.284	ug/L	99
53) m,p-Xylene	9.669	106	462418	106.839	ug/L	96
54) o-Xylene	10.074	106	452451	106.174	ug/L	98
55) Styrene	10.087	104	760458	108.900	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.753	83	424645	99.880	ug/L	99
59) Bromoform	10.264	173	195203	111.465	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	353681	96.414	ug/L	99
61) Isopropylbenzene	10.457	105	1231749	102.045	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	1039688	104.969	ug/L	100
63) 1,2,4-Trimethylbenzene	11.441	105	1009856	105.490	ug/L	100
64) 1,3-Dichlorobenzene	11.717	146	555212	101.246	ug/L	100
65) 1,4-Dichlorobenzene	11.811	146	559294	101.055	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	536249	99.882	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.965	75	97499	115.219	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	395388	103.328	ug/L	100
70) 1,2,4-trichlorobenzene	13.810	180	342479	108.637	ug/L	100
71) Naphthalene	14.055	128	985553	115.033	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	323650	107.124	ug/L	99

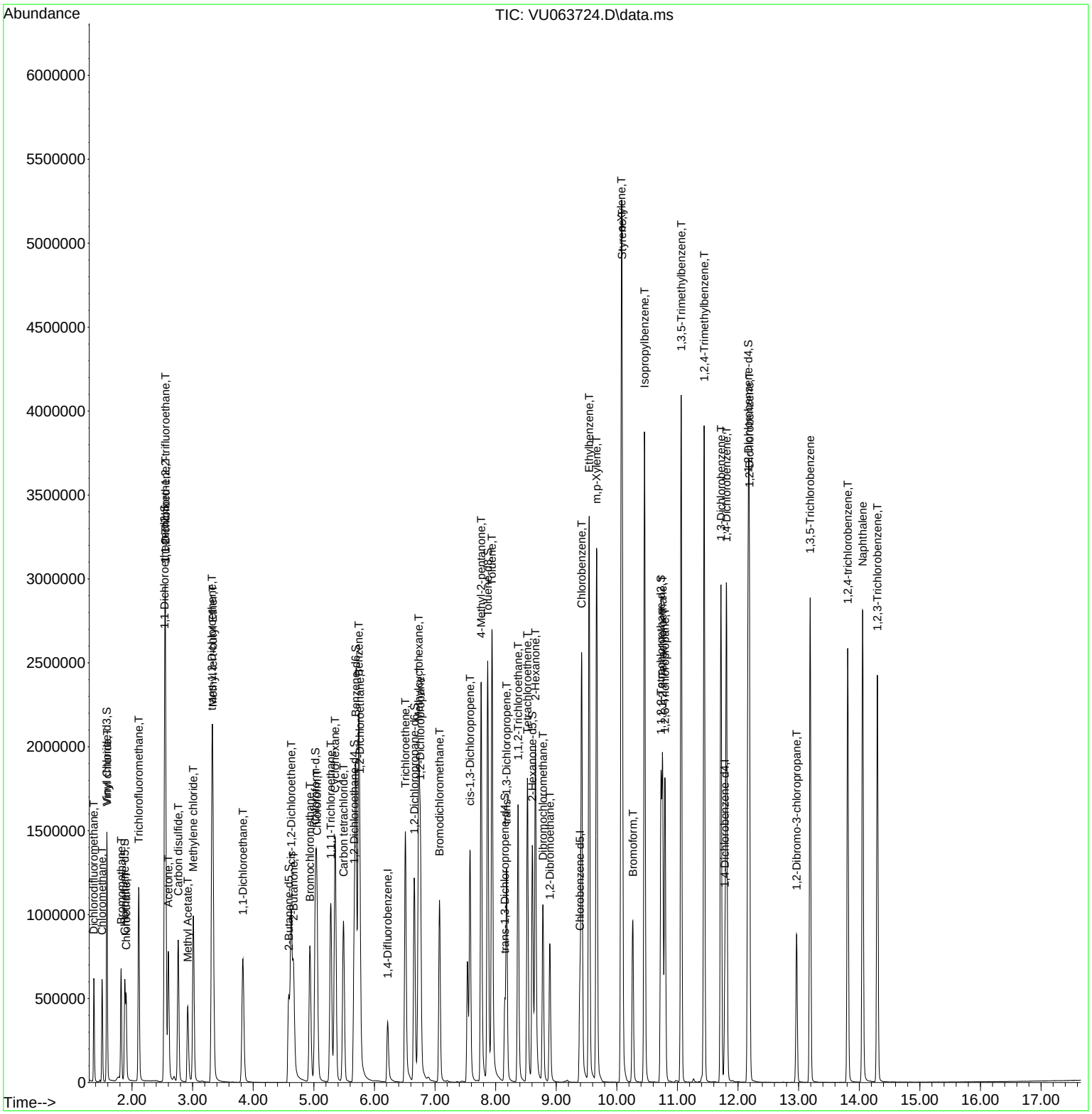
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063724.D
Acq On : 17 Nov 2025 12:58
Operator : MD/SY
Sample : VSTD20049
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

Quant Time: Nov 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063724.D
Acq On : 17 Nov 2025 12:58
Operator : MD/SY
Sample : VSTD20049
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD200049

Quant Time: Nov 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	329945	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.389	117	324908	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	182013	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	566265	241.450	ug/L	0.00
7) Chloroethane-d5	1.882	69	430669	222.120	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.538	63	969895	234.669	ug/L	0.00
21) 2-Butanone-d5	4.586	46	733207	475.582	ug/L	0.00
24) Chloroform-d	5.026	84	973147	227.138	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.666	65	614344	221.579	ug/L	0.00
32) Benzene-d6	5.692	84	1883828	232.730	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	552811	214.695	ug/L	0.00
41) Toluene-d8	7.869	98	1782257	234.059	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.152	79	255982	263.748	ug/L	0.00
47) 2-Hexanone-d5	8.605	63	488843	510.423	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.727	84	866917	220.167	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.167	152	687356	219.808	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.370	85	359419	199.999	ug/L	99
3) Chloromethane	1.505	50	400315	178.839	ug/L	99
5) Vinyl chloride	1.589	62	469223	175.140	ug/L	99
6) Bromomethane	1.821	94	301448	178.703	ug/L	98
8) Chloroethane	1.904	64	313141	172.918	ug/L	100
9) Trichlorofluoromethane	2.110	101	746527	189.206	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.550	101	439190	198.624	ug/L	98
12) 1,1-Dichloroethene	2.550	96	399694	202.252	ug/L	97
13) Acetone	2.599	43	800688	416.925	ug/L	100
14) Carbon disulfide	2.763	76	1096064	213.836	ug/L	98
15) Methyl Acetate	2.920	43	544502	201.918	ug/L	99
16) Methylene chloride	3.010	84	465592	188.752	ug/L	99
17) trans-1,2-Dichloroethene	3.319	96	438889	205.512	ug/L	93
18) Methyl tert-butyl Ether	3.332	73	1520107	218.509	ug/L	99
19) 1,1-Dichloroethane	3.830	63	835279	196.193	ug/L	99
20) cis-1,2-Dichloroethene	4.628	96	515965	207.448	ug/L	99
22) 2-Butanone	4.666	43	939591	434.110	ug/L	98
23) Bromochloromethane	4.936	128	265278	204.737	ug/L	97
25) Chloroform	5.052	83	902885	198.332	ug/L	99
27) 1,2-Dichloroethane	5.759	62	754090	202.487	ug/L	98
29) Cyclohexane	5.351	56	769529	200.153	ug/L	96
30) 1,1,1-Trichloroethane	5.280	97	789441	216.219	ug/L	99
31) Carbon tetrachloride	5.489	117	655929	225.547	ug/L	98
33) Benzene	5.740	78	1869515	198.352	ug/L	100
34) Trichloroethene	6.512	95	534076	198.922	ug/L	99
35) Methylcyclohexane	6.730	83	774965	201.784	ug/L	99
37) 1,2-Dichloropropane	6.759	63	505087	193.715	ug/L	100
38) Bromodichloromethane	7.074	83	691001	218.823	ug/L	97
39) cis-1,3-Dichloropropene	7.576	75	818497	238.727	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	1530116	408.306	ug/L	100
42) Toluene	7.939	91	2071474	198.920	ug/L	100
44) trans-1,3-Dichloropropene	8.180	75	696509	234.181	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063724.D
Acq On : 17 Nov 2025 12:58
Operator : MD/SY
Sample : VSTD20049
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD200049

Quant Time: Nov 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:25:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.370	97	519217	203.464	ug/L	99
46) Tetrachloroethene	8.524	164	415601	211.761	ug/L	99
48) 2-Hexanone	8.656	43	1288421	447.870	ug/L	99
49) Dibromochloromethane	8.782	129	546349	235.593	ug/L	99
50) 1,2-Dibromoethane	8.894	107	551140	207.882	ug/L	100
51) Chlorobenzene	9.418	112	1414668	204.526	ug/L	99
52) Ethylbenzene	9.544	91	2476770	213.528	ug/L	99
53) m,p-Xylene	9.666	106	956644	219.254	ug/L	98
54) o-Xylene	10.074	106	936937	218.104	ug/L	97
55) Styrene	10.087	104	1596346	226.768	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.756	83	886086	206.744	ug/L	99
59) Bromoform	10.264	173	423173	232.111	ug/L	98
60) 1,2,3-Trichloropropane	10.794	75	727221	190.423	ug/L	99
61) Isopropylbenzene	10.457	105	2537621	201.940	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	2182640	211.673	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	2148841	215.616	ug/L	100
64) 1,3-Dichlorobenzene	11.717	146	1165047	204.074	ug/L	100
65) 1,4-Dichlorobenzene	11.811	146	1170771	203.196	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	1126146	201.483	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	219764	249.463	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	843469	211.734	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	754081	229.767	ug/L	99
71) Naphthalene	14.058	128	2225086	249.468	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	713941	226.987	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/17/2025 Time: 13:51

Lab File ID: VU063725.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VICV050 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.291	0.287	0.01	-1.4	± 40.0
Chloromethane	0.329	0.308	0.01	-6.6	± 30.0
Vinyl chloride	0.383	0.368	0.01	-3.9	± 25.0
Bromomethane	0.243	0.240	0.01	-1.3	± 40.0
Chloroethane	0.256	0.249	0.01	-2.7	± 25.0
Trichlorofluoromethane	0.604	0.592	0.01	-2	± 30.0
1,1-Dichloroethene	0.326	0.316	0.06	-3.3	± 25.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.346	0.01	-3.2	± 30.0
Acetone	0.333	0.314	0.01	-5.7	± 40.0
Carbon disulfide	0.850	0.837	0.01	-1.5	± 25.0
Methyl Acetate	0.400	0.404	0.01	1.1	± 40.0
Methylene chloride	0.380	0.371	0.01	-2.5	± 30.0
trans-1,2-Dichloroethene	0.348	0.342	0.1	-1.8	± 20.0
Methyl tert-butyl Ether	1.178	1.142	0.1	-3	± 25.0
1,1-Dichloroethane	0.671	0.655	0.3	-2.3	± 20.0
cis-1,2-Dichloroethene	0.401	0.401	0.2	0.2	± 20.0
2-Butanone	0.370	0.338	0.01	-8.7	± 40.0
Bromochloromethane	0.206	0.203	0.05	-1.4	± 20.0
Chloroform	0.726	0.707	0.3	-2.6	± 20.0
1,1,1-Trichloroethane	0.638	0.614	0.05	-3.9	± 25.0
Cyclohexane	0.629	0.618	0.01	-1.8	± 25.0
Carbon tetrachloride	0.502	0.494	0.1	-1.6	± 25.0
Benzene	1.525	1.485	0.2	-2.6	± 20.0
1,2-Dichloroethane	0.593	0.577	0.07	-2.6	± 20.0
Trichloroethene	0.440	0.434	0.1	-1.4	± 20.0
Methylcyclohexane	0.645	0.617	0.05	-4.4	± 30.0
1,2-Dichloropropane	0.396	0.391	0.1	-1.3	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/17/2025 Time: 13:51

Lab File ID: VU063725.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VICV050 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.535	0.01	-1.3	± 20.0
cis-1,3-Dichloropropene	0.588	0.574	0.3	-2.3	± 20.0
4-Methyl-2-pentanone	0.574	0.591	0.01	3.1	± 30.0
Toluene	1.684	1.667	0.4	-1	± 20.0
trans-1,3-Dichloropropene	0.513	0.493	0.2	-4	± 20.0
1,1,2-Trichloroethane	0.419	0.416	0.1	-0.7	± 20.0
Tetrachloroethene	0.336	0.326	0.1	-3.2	± 25.0
2-Hexanone	0.450	0.478	0.01	6.2	± 40.0
Dibromochloromethane	0.405	0.392	0.01	-3.1	± 20.0
1,2-Dibromoethane	0.440	0.435	0.01	-1.2	± 20.0
Chlorobenzene	1.136	1.109	0.4	-2.4	± 20.0
Ethylbenzene	1.955	1.910	0.4	-2.3	± 25.0
o-Xylene	0.726	0.706	0.2	-2.7	± 25.0
m,p-Xylene	0.745	0.707	0.2	-5.2	± 25.0
Styrene	1.176	1.190	0.2	1.2	± 25.0
Bromoform	0.568	0.567	0.01	-0.1	± 25.0
Isopropylbenzene	3.772	3.746	0.4	-0.7	± 25.0
1,2,3-Trichloropropane	1.091	1.111	0.01	1.8	± 30.0
1,1,2,2-Tetrachloroethane	0.683	0.675	0.01	-1.1	± 25.0
1,3-Dichlorobenzene	1.691	1.711	0.5	1.2	± 20.0
1,4-Dichlorobenzene	1.732	1.725	0.6	-0.4	± 20.0
1,2-Dichlorobenzene	1.639	1.645	0.6	0.3	± 20.0
1,2-Dibromo-3-chloropropane	0.269	0.281	0.01	4.1	± 30.0
1,2,4-Trimethylbenzene	2.962	3.046	0.4	2.9	± 30.0
1,3,5-Trimethylbenzene	3.103	3.147	0.4	1.4	± 30.0
1,2,4-trichlorobenzene	0.953	1.040	0.4	9.1	± 30.0
1,2,3-Trichlorobenzene	0.903	0.989	0.3	9.5	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/17/2025 Time: 13:51

Lab File ID: VU063725.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VICV050 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.406	0.01	-5.9	± 30.0
Chloroethane-d5	0.333	0.307	0.01	-7.6	± 30.0
1,1-Dichloroethene-d2	0.748	0.716	0.05	-4.3	± 25.0
2-Butanone-d5	0.246	0.245	0.01	-0.4	± 40.0
Chloroform-d	0.724	0.696	0.3	-3.9	± 20.0
1,2-Dichloroethane-d4	0.476	0.446	0.06	-6.3	± 25.0
Benzene-d6	1.466	1.390	0.3	-5.1	± 20.0
1,2-Dichloropropane-d6	0.430	0.404	0.2	-6	± 20.0
Toluene-d8	1.392	1.299	0.3	-6.6	± 20.0
trans-1,3-Dichloropropene-d4	0.178	0.161	0.01	-9.4	± 20.0
2-Hexanone-d5	0.156	0.163	0.01	4.3	± 40.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.610	0.2	-3	± 25.0
1,2-Dichlorobenzene-d4	0.944	0.935	0.4	-0.9	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/21/2025 Time: 08:22

Lab File ID: VU063754.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050115 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.291	0.295	0.01	1.4	± 40.0
Chloromethane	0.329	0.316	0.01	-4	± 30.0
Vinyl chloride	0.383	0.385	0.01	0.6	± 25.0
Bromomethane	0.243	0.249	0.01	2.8	± 40.0
Chloroethane	0.256	0.261	0.01	2.0	± 25.0
Trichlorofluoromethane	0.604	0.630	0.01	4.4	± 30.0
1,1-Dichloroethene	0.326	0.320	0.06	-2	± 25.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.373	0.01	4.5	± 30.0
Acetone	0.333	0.337	0.01	1.2	± 40.0
Carbon disulfide	0.850	0.791	0.01	-6.9	± 25.0
Methyl Acetate	0.400	0.417	0.01	4.3	± 40.0
Methylene chloride	0.380	0.380	0.01	-0.1	± 30.0
trans-1,2-Dichloroethene	0.348	0.339	0.1	-2.6	± 20.0
Methyl tert-butyl Ether	1.178	1.166	0.1	-1	± 25.0
1,1-Dichloroethane	0.671	0.673	0.3	0.3	± 20.0
cis-1,2-Dichloroethene	0.401	0.414	0.2	3.4	± 20.0
2-Butanone	0.370	0.349	0.01	-5.8	± 40.0
Bromochloromethane	0.206	0.207	0.05	0.5	± 20.0
Chloroform	0.726	0.747	0.3	3.0	± 20.0
1,1,1-Trichloroethane	0.638	0.637	0.05	-0.3	± 25.0
Cyclohexane	0.629	0.627	0.01	-0.3	± 25.0
Carbon tetrachloride	0.502	0.503	0.1	0.2	± 25.0
Benzene	1.525	1.532	0.2	0.5	± 20.0
1,2-Dichloroethane	0.593	0.598	0.07	0.8	± 20.0
Trichloroethene	0.440	0.447	0.1	1.7	± 20.0
Methylcyclohexane	0.645	0.627	0.05	-2.8	± 30.0
1,2-Dichloropropane	0.396	0.399	0.1	0.6	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/21/2025 Time: 08:22

Lab File ID: VU063754.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050115 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.538	0.01	-0.9	± 20.0
cis-1,3-Dichloropropene	0.588	0.573	0.3	-2.5	± 20.0
4-Methyl-2-pentanone	0.574	0.586	0.01	2.1	± 30.0
Toluene	1.684	1.710	0.4	1.6	± 20.0
trans-1,3-Dichloropropene	0.513	0.489	0.2	-4.7	± 20.0
1,1,2-Trichloroethane	0.419	0.423	0.1	0.9	± 20.0
Tetrachloroethene	0.336	0.344	0.1	2.3	± 25.0
2-Hexanone	0.450	0.459	0.01	1.9	± 40.0
Dibromochloromethane	0.405	0.401	0.01	-0.8	± 20.0
1,2-Dibromoethane	0.440	0.435	0.01	-1	± 20.0
Chlorobenzene	1.136	1.136	0.4	0.0	± 20.0
Ethylbenzene	1.955	1.981	0.4	1.3	± 25.0
o-Xylene	0.726	0.731	0.2	0.7	± 25.0
m,p-Xylene	0.745	0.737	0.2	-1.1	± 25.0
Styrene	1.176	1.204	0.2	2.4	± 25.0
Bromoform	0.568	0.573	0.01	1.0	± 25.0
Isopropylbenzene	3.772	3.920	0.4	3.9	± 25.0
1,2,3-Trichloropropane	1.091	1.122	0.01	2.8	± 30.0
1,1,2,2-Tetrachloroethane	0.683	0.674	0.01	-1.2	± 25.0
1,3-Dichlorobenzene	1.691	1.770	0.5	4.7	± 20.0
1,4-Dichlorobenzene	1.732	1.754	0.6	1.3	± 20.0
1,2-Dichlorobenzene	1.639	1.685	0.6	2.8	± 20.0
1,2-Dibromo-3-chloropropane	0.269	0.268	0.01	-0.4	± 30.0
1,2,4-Trimethylbenzene	2.962	3.088	0.4	4.3	± 30.0
1,3,5-Trimethylbenzene	3.103	3.239	0.4	4.4	± 30.0
1,2,4-trichlorobenzene	0.953	0.971	0.4	1.8	± 30.0
1,2,3-Trichlorobenzene	0.903	0.894	0.3	-1.1	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/21/2025 Time: 08:22

Lab File ID: VU063754.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050115 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.413	0.01	-4.4	± 30.0
Chloroethane-d5	0.333	0.324	0.01	-2.6	± 30.0
1,1-Dichloroethene-d2	0.748	0.731	0.05	-2.3	± 25.0
2-Butanone-d5	0.246	0.247	0.01	0.2	± 40.0
Chloroform-d	0.724	0.731	0.3	0.9	± 20.0
1,2-Dichloroethane-d4	0.476	0.464	0.06	-2.6	± 25.0
Benzene-d6	1.466	1.455	0.3	-0.7	± 20.0
1,2-Dichloropropane-d6	0.430	0.430	0.2	-0.1	± 20.0
Toluene-d8	1.392	1.359	0.3	-2.3	± 20.0
trans-1,3-Dichloropropene-d4	0.178	0.164	0.01	-8	± 20.0
2-Hexanone-d5	0.156	0.157	0.01	0.2	± 40.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.623	0.2	-1	± 25.0
1,2-Dichlorobenzene-d4	0.944	0.967	0.4	2.5	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/21/2025 Time: 16:34

Lab File ID: VU063772.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050116 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.291	0.274	0.01	-5.9	± 50.0
Chloromethane	0.329	0.301	0.01	-8.4	± 50.0
Vinyl chloride	0.383	0.375	0.01	-2.1	± 50.0
Bromomethane	0.243	0.247	0.01	1.8	± 50.0
Chloroethane	0.256	0.260	0.01	1.8	± 50.0
Trichlorofluoromethane	0.604	0.616	0.01	1.9	± 50.0
1,1-Dichloroethene	0.326	0.311	0.06	-4.6	± 50.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.347	0.01	-2.8	± 50.0
Acetone	0.333	0.289	0.01	-13.3	± 50.0
Carbon disulfide	0.850	0.700	0.01	-17.7	± 50.0
Methyl Acetate	0.400	0.396	0.01	-1.1	± 50.0
Methylene chloride	0.380	0.368	0.01	-3.3	± 50.0
trans-1,2-Dichloroethene	0.348	0.325	0.1	-6.6	± 50.0
Methyl tert-butyl Ether	1.178	1.137	0.1	-3.4	± 50.0
1,1-Dichloroethane	0.671	0.655	0.3	-2.3	± 50.0
cis-1,2-Dichloroethene	0.401	0.393	0.2	-1.8	± 50.0
2-Butanone	0.370	0.328	0.01	-11.5	± 50.0
Bromochloromethane	0.206	0.207	0.05	0.7	± 50.0
Chloroform	0.726	0.721	0.3	-0.6	± 50.0
1,1,1-Trichloroethane	0.638	0.614	0.05	-3.8	± 50.0
Cyclohexane	0.629	0.590	0.01	-6.2	± 50.0
Carbon tetrachloride	0.502	0.491	0.1	-2.2	± 50.0
Benzene	1.525	1.510	0.2	-1	± 50.0
1,2-Dichloroethane	0.593	0.594	0.07	0.3	± 50.0
Trichloroethene	0.440	0.425	0.1	-3.3	± 50.0
Methylcyclohexane	0.645	0.602	0.05	-6.8	± 50.0
1,2-Dichloropropane	0.396	0.392	0.1	-1	± 50.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/21/2025 Time: 16:34

Lab File ID: VU063772.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050116 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.522	0.01	-3.8	± 50.0
cis-1,3-Dichloropropene	0.588	0.554	0.3	-5.7	± 50.0
4-Methyl-2-pentanone	0.574	0.573	0.01	-0.1	± 50.0
Toluene	1.684	1.644	0.4	-2.3	± 50.0
trans-1,3-Dichloropropene	0.513	0.457	0.2	-10.9	± 50.0
1,1,2-Trichloroethane	0.419	0.424	0.1	1.1	± 50.0
Tetrachloroethene	0.336	0.317	0.1	-5.7	± 50.0
2-Hexanone	0.450	0.455	0.01	1.0	± 50.0
Dibromochloromethane	0.405	0.389	0.01	-3.9	± 50.0
1,2-Dibromoethane	0.440	0.437	0.01	-0.7	± 50.0
Chlorobenzene	1.136	1.095	0.4	-3.6	± 50.0
Ethylbenzene	1.955	1.888	0.4	-3.4	± 50.0
o-Xylene	0.726	0.715	0.2	-1.5	± 50.0
m,p-Xylene	0.745	0.725	0.2	-2.7	± 50.0
Styrene	1.176	1.182	0.2	0.6	± 50.0
Bromoform	0.568	0.505	0.01	-11.1	± 50.0
Isopropylbenzene	3.772	3.524	0.4	-6.6	± 50.0
1,2,3-Trichloropropane	1.091	1.053	0.01	-3.5	± 50.0
1,1,2,2-Tetrachloroethane	0.683	0.670	0.01	-1.9	± 50.0
1,3-Dichlorobenzene	1.691	1.556	0.5	-8	± 50.0
1,4-Dichlorobenzene	1.732	1.568	0.6	-9.5	± 50.0
1,2-Dichlorobenzene	1.639	1.536	0.6	-6.3	± 50.0
1,2-Dibromo-3-chloropropane	0.269	0.249	0.01	-7.5	± 50.0
1,2,4-Trimethylbenzene	2.962	2.786	0.4	-5.9	± 50.0
1,3,5-Trimethylbenzene	3.103	2.901	0.4	-6.5	± 50.0
1,2,4-trichlorobenzene	0.953	0.857	0.4	-10	± 50.0
1,2,3-Trichlorobenzene	0.903	0.830	0.3	-8.1	± 50.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/21/2025 Time: 16:34

Lab File ID: VU063772.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050116 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.365	0.01	-15.5	± 50.0
Chloroethane-d5	0.333	0.292	0.01	-12.3	± 50.0
1,1-Dichloroethene-d2	0.748	0.679	0.05	-9.2	± 50.0
2-Butanone-d5	0.246	0.224	0.01	-8.9	± 50.0
Chloroform-d	0.724	0.689	0.3	-4.9	± 50.0
1,2-Dichloroethane-d4	0.476	0.437	0.06	-8.3	± 50.0
Benzene-d6	1.466	1.334	0.3	-9	± 50.0
1,2-Dichloropropane-d6	0.430	0.388	0.2	-9.9	± 50.0
Toluene-d8	1.392	1.260	0.3	-9.5	± 50.0
trans-1,3-Dichloropropene-d4	0.178	0.151	0.01	-14.9	± 50.0
2-Hexanone-d5	0.156	0.147	0.01	-5.9	± 50.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.602	0.2	-4.3	± 50.0
1,2-Dichlorobenzene-d4	0.944	0.891	0.4	-5.6	± 50.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/24/2025 Time: 13:10

Lab File ID: VU063774.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050117 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.291	0.310	0.01	6.6	± 40.0
Chloromethane	0.329	0.337	0.01	2.4	± 30.0
Vinyl chloride	0.383	0.402	0.01	4.9	± 25.0
Bromomethane	0.243	0.269	0.01	10.8	± 40.0
Chloroethane	0.256	0.283	0.01	10.8	± 25.0
Trichlorofluoromethane	0.604	0.675	0.01	11.8	± 30.0
1,1-Dichloroethene	0.326	0.332	0.06	1.8	± 25.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.387	0.01	8.4	± 30.0
Acetone	0.333	0.376	0.01	13	± 40.0
Carbon disulfide	0.850	0.813	0.01	-4.4	± 25.0
Methyl Acetate	0.400	0.406	0.01	1.6	± 40.0
Methylene chloride	0.380	0.401	0.01	5.5	± 30.0
trans-1,2-Dichloroethene	0.348	0.364	0.1	4.6	± 20.0
Methyl tert-butyl Ether	1.178	1.233	0.1	4.7	± 25.0
1,1-Dichloroethane	0.671	0.713	0.3	6.4	± 20.0
cis-1,2-Dichloroethene	0.401	0.429	0.2	7.2	± 20.0
2-Butanone	0.370	0.370	0.01	0.1	± 40.0
Bromochloromethane	0.206	0.222	0.05	7.9	± 20.0
Chloroform	0.726	0.784	0.3	8.0	± 20.0
1,1,1-Trichloroethane	0.638	0.664	0.05	4.0	± 25.0
Cyclohexane	0.629	0.648	0.01	3.0	± 25.0
Carbon tetrachloride	0.502	0.538	0.1	7.3	± 25.0
Benzene	1.525	1.606	0.2	5.3	± 20.0
1,2-Dichloroethane	0.593	0.638	0.07	7.8	± 20.0
Trichloroethene	0.440	0.448	0.1	2.0	± 20.0
Methylcyclohexane	0.645	0.667	0.05	3.3	± 30.0
1,2-Dichloropropane	0.396	0.429	0.1	8.2	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/24/2025 Time: 13:10

Lab File ID: VU063774.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050117 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.576	0.01	6.1	± 20.0
cis-1,3-Dichloropropene	0.588	0.573	0.3	-2.6	± 20.0
4-Methyl-2-pentanone	0.574	0.586	0.01	2.2	± 30.0
Toluene	1.684	1.773	0.4	5.3	± 20.0
trans-1,3-Dichloropropene	0.513	0.516	0.2	0.5	± 20.0
1,1,2-Trichloroethane	0.419	0.441	0.1	5.2	± 20.0
Tetrachloroethene	0.336	0.346	0.1	3.0	± 25.0
2-Hexanone	0.450	0.477	0.01	6.0	± 40.0
Dibromochloromethane	0.405	0.423	0.01	4.4	± 20.0
1,2-Dibromoethane	0.440	0.453	0.01	2.9	± 20.0
Chlorobenzene	1.136	1.184	0.4	4.2	± 20.0
Ethylbenzene	1.955	2.049	0.4	4.8	± 25.0
o-Xylene	0.726	0.765	0.2	5.5	± 25.0
m,p-Xylene	0.745	0.760	0.2	2.0	± 25.0
Styrene	1.176	1.240	0.2	5.5	± 25.0
Bromoform	0.568	0.625	0.01	10.1	± 25.0
Isopropylbenzene	3.772	4.099	0.4	8.7	± 25.0
1,2,3-Trichloropropane	1.091	1.173	0.01	7.5	± 30.0
1,1,2,2-Tetrachloroethane	0.683	0.694	0.01	1.7	± 25.0
1,3-Dichlorobenzene	1.691	1.801	0.5	6.5	± 20.0
1,4-Dichlorobenzene	1.732	1.779	0.6	2.7	± 20.0
1,2-Dichlorobenzene	1.639	1.748	0.6	6.6	± 20.0
1,2-Dibromo-3-chloropropane	0.269	0.281	0.01	4.1	± 30.0
1,2,4-Trimethylbenzene	2.962	3.206	0.4	8.2	± 30.0
1,3,5-Trimethylbenzene	3.103	3.399	0.4	9.5	± 30.0
1,2,4-trichlorobenzene	0.953	0.963	0.4	1.1	± 30.0
1,2,3-Trichlorobenzene	0.903	0.912	0.3	1.0	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/24/2025 Time: 13:10

Lab File ID: VU063774.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050117 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.399	0.01	-7.7	± 30.0
Chloroethane-d5	0.333	0.330	0.01	-0.9	± 30.0
1,1-Dichloroethene-d2	0.748	0.737	0.05	-1.6	± 25.0
2-Butanone-d5	0.246	0.234	0.01	-4.9	± 40.0
Chloroform-d	0.724	0.735	0.3	1.4	± 20.0
1,2-Dichloroethane-d4	0.476	0.478	0.06	0.4	± 25.0
Benzene-d6	1.466	1.413	0.3	-3.6	± 20.0
1,2-Dichloropropane-d6	0.430	0.417	0.2	-3	± 20.0
Toluene-d8	1.392	1.347	0.3	-3.2	± 20.0
trans-1,3-Dichloropropene-d4	0.178	0.170	0.01	-4.3	± 20.0
2-Hexanone-d5	0.156	0.150	0.01	-4.3	± 40.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.627	0.2	-0.3	± 25.0
1,2-Dichlorobenzene-d4	0.944	0.949	0.4	0.5	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/24/2025 Time: 19:29

Lab File ID: VU063788.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050118 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.291	0.273	0.01	-6.2	± 50.0
Chloromethane	0.329	0.303	0.01	-8	± 50.0
Vinyl chloride	0.383	0.375	0.01	-2.2	± 50.0
Bromomethane	0.243	0.251	0.01	3.3	± 50.0
Chloroethane	0.256	0.258	0.01	1.1	± 50.0
Trichlorofluoromethane	0.604	0.610	0.01	1.0	± 50.0
1,1-Dichloroethene	0.326	0.309	0.06	-5.5	± 50.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.341	0.01	-4.5	± 50.0
Acetone	0.333	0.236	0.01	-29.2	± 50.0
Carbon disulfide	0.850	0.687	0.01	-19.1	± 50.0
Methyl Acetate	0.400	0.393	0.01	-1.7	± 50.0
Methylene chloride	0.380	0.374	0.01	-1.6	± 50.0
trans-1,2-Dichloroethene	0.348	0.333	0.1	-4.2	± 50.0
Methyl tert-butyl Ether	1.178	1.143	0.1	-2.9	± 50.0
1,1-Dichloroethane	0.671	0.663	0.3	-1.1	± 50.0
cis-1,2-Dichloroethene	0.401	0.402	0.2	0.3	± 50.0
2-Butanone	0.370	0.288	0.01	-22.2	± 50.0
Bromochloromethane	0.206	0.208	0.05	1.2	± 50.0
Chloroform	0.726	0.739	0.3	1.9	± 50.0
1,1,1-Trichloroethane	0.638	0.611	0.05	-4.4	± 50.0
Cyclohexane	0.629	0.585	0.01	-7.1	± 50.0
Carbon tetrachloride	0.502	0.492	0.1	-2	± 50.0
Benzene	1.525	1.517	0.2	-0.5	± 50.0
1,2-Dichloroethane	0.593	0.611	0.07	3.1	± 50.0
Trichloroethene	0.440	0.432	0.1	-1.8	± 50.0
Methylcyclohexane	0.645	0.603	0.05	-6.5	± 50.0
1,2-Dichloropropane	0.396	0.393	0.1	-0.8	± 50.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/24/2025 Time: 19:29

Lab File ID: VU063788.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050118 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.537	0.01	-1.1	± 50.0
cis-1,3-Dichloropropene	0.588	0.540	0.3	-8.1	± 50.0
4-Methyl-2-pentanone	0.574	0.560	0.01	-2.3	± 50.0
Toluene	1.684	1.656	0.4	-1.7	± 50.0
trans-1,3-Dichloropropene	0.513	0.447	0.2	-12.9	± 50.0
1,1,2-Trichloroethane	0.419	0.417	0.1	-0.6	± 50.0
Tetrachloroethene	0.336	0.325	0.1	-3.2	± 50.0
2-Hexanone	0.450	0.428	0.01	-5	± 50.0
Dibromochloromethane	0.405	0.381	0.01	-5.8	± 50.0
1,2-Dibromoethane	0.440	0.427	0.01	-3	± 50.0
Chlorobenzene	1.136	1.111	0.4	-2.2	± 50.0
Ethylbenzene	1.955	1.894	0.4	-3.1	± 50.0
o-Xylene	0.726	0.718	0.2	-1	± 50.0
m,p-Xylene	0.745	0.715	0.2	-4.1	± 50.0
Styrene	1.176	1.174	0.2	-0.1	± 50.0
Bromoform	0.568	0.509	0.01	-10.4	± 50.0
Isopropylbenzene	3.772	3.553	0.4	-5.8	± 50.0
1,2,3-Trichloropropane	1.091	1.033	0.01	-5.3	± 50.0
1,1,2,2-Tetrachloroethane	0.683	0.668	0.01	-2.2	± 50.0
1,3-Dichlorobenzene	1.691	1.548	0.5	-8.5	± 50.0
1,4-Dichlorobenzene	1.732	1.563	0.6	-9.7	± 50.0
1,2-Dichlorobenzene	1.639	1.523	0.6	-7.1	± 50.0
1,2-Dibromo-3-chloropropane	0.269	0.238	0.01	-11.6	± 50.0
1,2,4-Trimethylbenzene	2.962	2.781	0.4	-6.1	± 50.0
1,3,5-Trimethylbenzene	3.103	2.914	0.4	-6.1	± 50.0
1,2,4-trichlorobenzene	0.953	0.834	0.4	-12.5	± 50.0
1,2,3-Trichlorobenzene	0.903	0.800	0.3	-11.4	± 50.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688

Analytical Method: VOA Level:

Instrument ID: MSVOA_U Date Analyzed: 11/24/2025 Time: 19:29

Lab File ID: VU063788.D Init. Calib Date(s): 11/17/2025 11/17/2025

EPA Sample No.: VSTD050118 Init. Calib Time(s): 11:16 12:58

GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)

Heated Purge: (Y/N) N Purge Volume: 5 (mL)

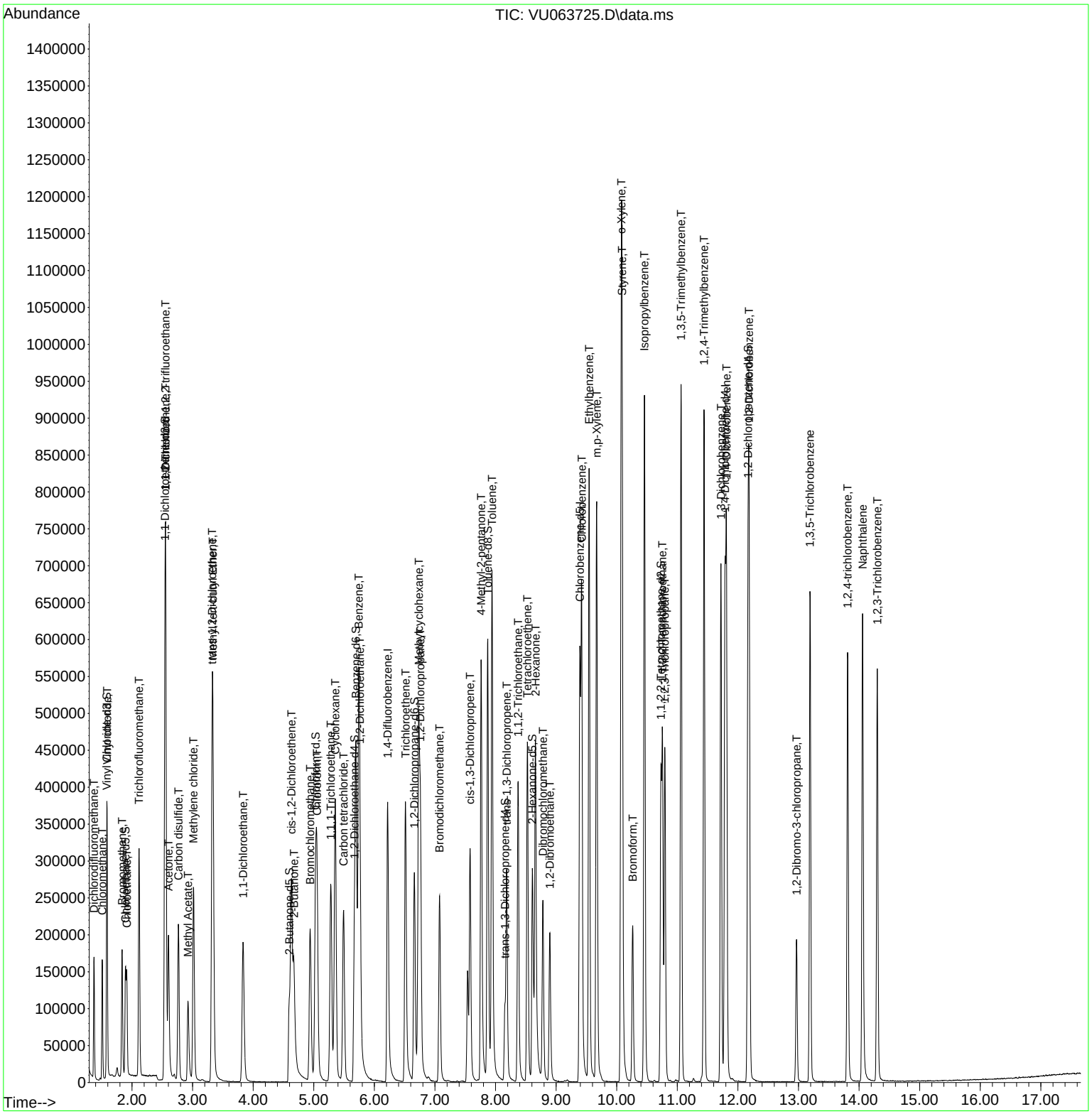
ANALYTE	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.357	0.01	-17.3	± 50.0
Chloroethane-d5	0.333	0.295	0.01	-11.3	± 50.0
1,1-Dichloroethene-d2	0.748	0.677	0.05	-9.6	± 50.0
2-Butanone-d5	0.246	0.229	0.01	-6.8	± 50.0
Chloroform-d	0.724	0.710	0.3	-2	± 50.0
1,2-Dichloroethane-d4	0.476	0.459	0.06	-3.7	± 50.0
Benzene-d6	1.466	1.364	0.3	-6.9	± 50.0
1,2-Dichloropropane-d6	0.430	0.400	0.2	-7	± 50.0
Toluene-d8	1.392	1.269	0.3	-8.8	± 50.0
trans-1,3-Dichloropropene-d4	0.178	0.148	0.01	-16.8	± 50.0
2-Hexanone-d5	0.156	0.145	0.01	-7.4	± 50.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.613	0.2	-2.5	± 50.0
1,2-Dichlorobenzene-d4	0.944	0.920	0.4	-2.6	± 50.0

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063725.D
Acq On : 17 Nov 2025 13:51
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV050

Quant Time: Nov 18 02:05:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:55:44 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063725.D
Acq On : 17 Nov 2025 13:51
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VICV050

Quant Time: Nov 18 02:05:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:55:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	332807	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	321467	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	165073	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	135278	47.071	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.140%			
7) Chloroethane-d5	1.891	69	102274	46.192	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.380%			
11) 1,1-Dichloroethene-d2	2.544	63	238300	47.836	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.680%			
21) 2-Butanone-d5	4.595	46	163136	99.570	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.570%			
24) Chloroform-d	5.029	84	231695	48.051	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.100%			
26) 1,2-Dichloroethane-d4	5.669	65	148484	46.830	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.660%			
32) Benzene-d6	5.695	84	446958	47.434	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.860%			
36) 1,2-Dichloropropane-d6	6.660	67	130021	47.003	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 94.000%			
41) Toluene-d8	7.872	98	417658	46.683	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.360%			
43) trans-1,3-Dichloroprop...	8.155	79	51812	45.324	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.640%			
47) 2-Hexanone-d5	8.608	63	104894	104.294	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.290%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	196212	48.503	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.000%			
66) 1,2-Dichlorobenzene-d4	12.167	152	154336	49.528	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	95520	49.316	ug/L	98
3) Chloromethane	1.509	50	102345	46.701	ug/L	99
5) Vinyl chloride	1.589	62	122403	48.037	ug/L	99
6) Bromomethane	1.837	94	79708	49.362	ug/L	97
8) Chloroethane	1.914	64	82741	48.647	ug/L	97
9) Trichlorofluoromethane	2.116	101	196932	49.001	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	115005	48.416	ug/L	99
12) 1,1-Dichloroethene	2.554	96	105088	48.373	ug/L	95
13) Acetone	2.602	43	208987	94.251	ug/L	99
14) Carbon disulfide	2.766	76	278588	49.231	ug/L	98
15) Methyl Acetate	2.923	43	134538	50.528	ug/L	99
16) Methylene chloride	3.013	84	123490	48.761	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	113678	49.080	ug/L	93
18) Methyl tert-butyl Ether	3.335	73	380167	48.498	ug/L	99
19) 1,1-Dichloroethane	3.833	63	217942	48.832	ug/L	98
20) cis-1,2-Dichloroethene	4.631	96	133622	50.119	ug/L	99
22) 2-Butanone	4.672	43	224988	91.333	ug/L	98
23) Bromochloromethane	4.939	128	67610	49.325	ug/L	96
25) Chloroform	5.055	83	235215	48.688	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063725.D
Acq On : 17 Nov 2025 13:51
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VICV050

Quant Time: Nov 18 02:05:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:55:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.762	62	192060	48.699	ug/L	100
29) Cyclohexane	5.354	56	198687	49.123	ug/L	95
30) 1,1,1-Trichloroethane	5.280	97	197305	48.065	ug/L	99
31) Carbon tetrachloride	5.492	117	158777	49.191	ug/L	99
33) Benzene	5.743	78	477270	48.678	ug/L	100
34) Trichloroethene	6.515	95	139380	49.311	ug/L	99
35) Methylcyclohexane	6.733	83	198433	47.823	ug/L	99
37) 1,2-Dichloropropane	6.759	63	125736	49.346	ug/L	100
38) Bromodichloromethane	7.074	83	172107	49.325	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	184606	48.852	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	380140	103.068	ug/L	99
42) Toluene	7.942	91	536008	49.518	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	158416	48.025	ug/L	98
45) 1,1,2-Trichloroethane	8.373	97	133730	49.626	ug/L	98
46) Tetrachloroethene	8.524	164	104642	48.410	ug/L	100
48) 2-Hexanone	8.659	43	307427	106.198	ug/L	100
49) Dibromochloromethane	8.782	129	126036	48.431	ug/L	99
50) 1,2-Dibromoethane	8.897	107	139693	49.387	ug/L	100
51) Chlorobenzene	9.421	112	356603	48.818	ug/L	99
52) Ethylbenzene	9.544	91	614062	48.856	ug/L	98
53) m,p-Xylene	9.669	106	227176	47.421	ug/L	96
54) o-Xylene	10.074	106	227084	48.675	ug/L	98
55) Styrene	10.090	104	382577	50.612	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.753	83	217004	49.443	ug/L	98
59) Bromoform	10.264	173	93636	49.949	ug/L	99
60) 1,2,3-Trichloropropane	10.794	75	183464	50.921	ug/L	99
61) Isopropylbenzene	10.457	105	618291	49.649	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	519510	50.715	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	502890	51.431	ug/L	99
64) 1,3-Dichlorobenzene	11.720	146	282449	50.592	ug/L	99
65) 1,4-Dichlorobenzene	11.810	146	284700	49.788	ug/L	99
67) 1,2-Dichlorobenzene	12.183	146	271567	50.173	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	46310	52.054	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	201845	53.492	ug/L	98
70) 1,2,4-trichlorobenzene	13.810	180	171600	54.539	ug/L	100
71) Naphthalene	14.058	128	520789	62.195	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	163281	54.752	ug/L	99

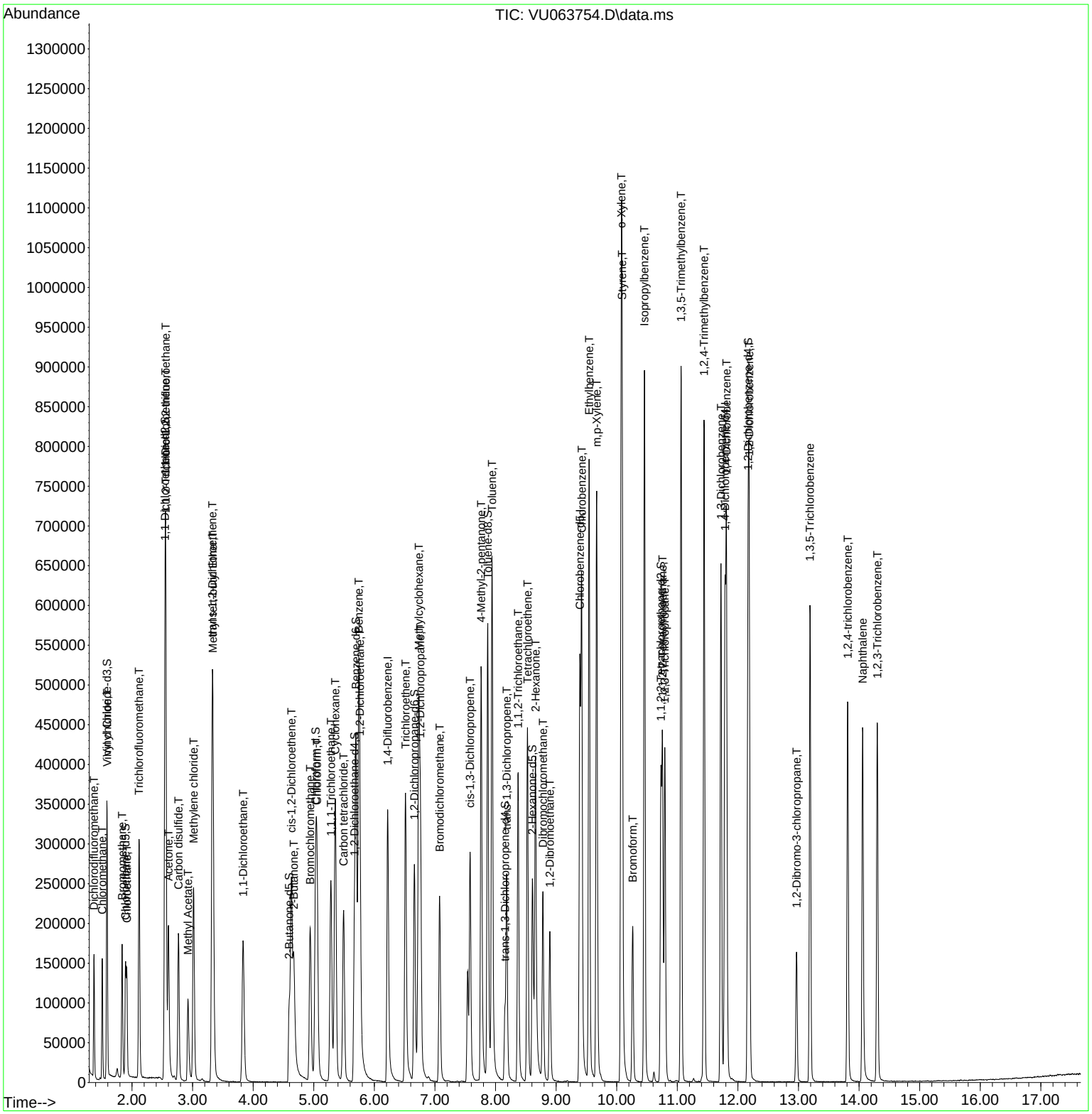
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063754.D
Acq On : 21 Nov 2025 08:22
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

Quant Time: Nov 21 22:24:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 19 04:47:02 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063754.D
Acq On : 21 Nov 2025 08:22
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050115

Quant Time: Nov 21 22:24:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 19 04:47:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	304613	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	292788	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	149265	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	125766	47.812	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 95.620%			
7) Chloroethane-d5	1.891	69	98709	48.708	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.420%			
11) 1,1-Dichloroethene-d2	2.544	63	222803	48.865	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.740%			
21) 2-Butanone-d5	4.592	46	150309	100.233	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 100.230%			
24) Chloroform-d	5.030	84	222615	50.441	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.880%			
26) 1,2-Dichloroethane-d4	5.669	65	141262	48.676	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.360%			
32) Benzene-d6	5.695	84	426011	49.639	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.280%			
36) 1,2-Dichloropropane-d6	6.660	67	125884	49.965	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.920%			
41) Toluene-d8	7.872	98	397958	48.838	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.680%			
43) trans-1,3-Dichloroprop...	8.155	79	47915	46.021	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.040%			
47) 2-Hexanone-d5	8.608	63	91744	100.154	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 100.150%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	182289	49.475	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.960%			
66) 1,2-Dichlorobenzene-d4	12.167	152	144345	51.227	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	89886	50.702	ug/L	99
3) Chloromethane	1.509	50	96243	47.981	ug/L	99
5) Vinyl chloride	1.589	62	117361	50.321	ug/L	99
6) Bromomethane	1.837	94	75963	51.397	ug/L	96
8) Chloroethane	1.914	64	79392	50.998	ug/L	99
9) Trichlorofluoromethane	2.116	101	191932	52.177	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	113609	52.256	ug/L	97
12) 1,1-Dichloroethene	2.554	96	97408	48.988	ug/L	99
13) Acetone	2.602	43	205323	101.169	ug/L	98
14) Carbon disulfide	2.766	76	241074	46.545	ug/L	98
15) Methyl Acetate	2.923	43	127068	52.139	ug/L	100
16) Methylene chloride	3.017	84	115821	49.966	ug/L	100
17) trans-1,2-Dichloroethene	3.325	96	103214	48.687	ug/L	93
18) Methyl tert-butyl Ether	3.335	73	355042	49.485	ug/L	100
19) 1,1-Dichloroethane	3.833	63	204896	50.158	ug/L	98
20) cis-1,2-Dichloroethene	4.631	96	126107	51.678	ug/L	98
22) 2-Butanone	4.669	43	212384	94.196	ug/L	96
23) Bromochloromethane	4.943	128	63054	50.259	ug/L	97
25) Chloroform	5.055	83	227664	51.487	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063754.D
Acq On : 21 Nov 2025 08:22
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050115

Quant Time: Nov 21 22:24:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 19 04:47:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	182016	50.424	ug/L	100
29) Cyclohexane	5.354	56	183585	49.835	ug/L	96
30) 1,1,1-Trichloroethane	5.284	97	186374	49.849	ug/L	99
31) Carbon tetrachloride	5.493	117	147267	50.094	ug/L	99
33) Benzene	5.743	78	448691	50.245	ug/L	100
34) Trichloroethene	6.515	95	130864	50.833	ug/L	97
35) Methylcyclohexane	6.734	83	183620	48.588	ug/L	98
37) 1,2-Dichloropropane	6.759	63	116725	50.296	ug/L	100
38) Bromodichloromethane	7.078	83	157434	49.540	ug/L	98
39) cis-1,3-Dichloropropene	7.579	75	167711	48.729	ug/L	99
40) 4-Methyl-2-pentanone	7.763	43	342887	102.074	ug/L	100
42) Toluene	7.943	91	500776	50.795	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	143156	47.649	ug/L	97
45) 1,1,2-Trichloroethane	8.373	97	123783	50.434	ug/L	99
46) Tetrachloroethene	8.528	164	100725	51.162	ug/L	98
48) 2-Hexanone	8.660	43	268708	101.915	ug/L	99
49) Dibromochloromethane	8.782	129	117549	49.594	ug/L	98
50) 1,2-Dibromoethane	8.898	107	127491	49.488	ug/L	98
51) Chlorobenzene	9.422	112	332545	49.984	ug/L	100
52) Ethylbenzene	9.544	91	580045	50.670	ug/L	100
53) m,p-Xylene	9.669	106	215687	49.433	ug/L	98
54) o-Xylene	10.074	106	214036	50.372	ug/L	98
55) Styrene	10.090	104	352488	51.199	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.756	83	197417	49.386	ug/L	98
59) Bromoform	10.264	173	85575	50.483	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	167513	51.418	ug/L	100
61) Isopropylbenzene	10.457	105	585117	51.961	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	483457	52.194	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	460998	52.139	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	264229	52.341	ug/L	100
65) 1,4-Dichlorobenzene	11.811	146	261767	50.626	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	251575	51.401	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	40063	49.801	ug/L	91
69) 1,3,5-Trichlorobenzene	13.190	180	181583	53.219	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	144878	50.922	ug/L	99
71) Naphthalene	14.058	128	364885	48.191	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	133402	49.471	ug/L	99

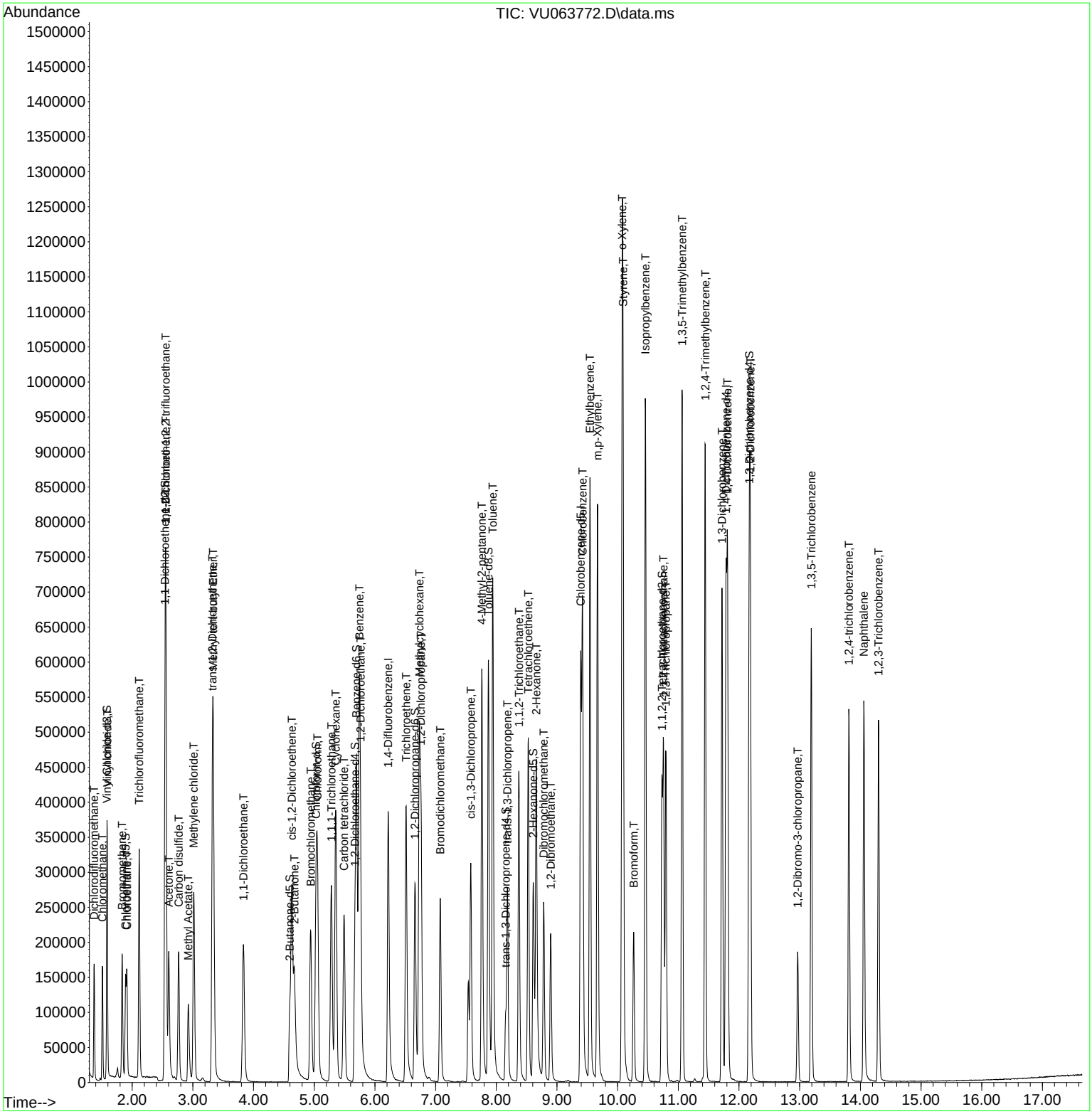
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063772.D
Acq On : 21 Nov 2025 16:34
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

Quant Time: Nov 21 22:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063772.D
Acq On : 21 Nov 2025 16:34
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050116

Quant Time: Nov 21 22:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	342719	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	333309	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	181904	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	125100	42.271	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.540%			
7) Chloroethane-d5	1.891	69	99983	43.851	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.700%			
11) 1,1-Dichloroethene-d2	2.541	63	232876	45.395	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.800%			
21) 2-Butanone-d5	4.595	46	153787	91.149	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.150%			
24) Chloroform-d	5.029	84	236198	47.568	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.140%			
26) 1,2-Dichloroethane-d4	5.669	65	149687	45.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.680%			
32) Benzene-d6	5.695	84	444611	45.508	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.020%			
36) 1,2-Dichloropropane-d6	6.660	67	129278	45.074	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 90.140%			
41) Toluene-d8	7.872	98	419940	45.271	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.540%			
43) trans-1,3-Dichloroprop...	8.155	79	50438	42.555	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.100%			
47) 2-Hexanone-d5	8.608	63	98086	94.060	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 94.060%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	200640	47.836	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.680%			
66) 1,2-Dichlorobenzene-d4	12.167	152	162012	47.180	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	93816	47.035	ug/L	99
3) Chloromethane	1.509	50	103328	45.786	ug/L	98
5) Vinyl chloride	1.589	62	128381	48.926	ug/L	98
6) Bromomethane	1.833	94	84609	50.882	ug/L	96
8) Chloroethane	1.914	64	89157	50.903	ug/L	100
9) Trichlorofluoromethane	2.116	101	210961	50.974	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	118827	48.579	ug/L	99
12) 1,1-Dichloroethene	2.554	96	106743	47.714	ug/L	92
13) Acetone	2.602	43	197973	86.701	ug/L	100
14) Carbon disulfide	2.766	76	239938	41.174	ug/L	98
15) Methyl Acetate	2.923	43	135596	49.452	ug/L	98
16) Methylene chloride	3.013	84	126115	48.357	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	111435	46.720	ug/L	94
18) Methyl tert-butyl Ether	3.335	73	389828	48.292	ug/L	99
19) 1,1-Dichloroethane	3.833	63	224615	48.872	ug/L	98
20) cis-1,2-Dichloroethene	4.631	96	134745	49.078	ug/L	99
22) 2-Butanone	4.673	43	224487	88.494	ug/L	97
23) Bromochloromethane	4.943	128	71053	50.337	ug/L	96
25) Chloroform	5.052	83	247169	49.683	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063772.D
Acq On : 21 Nov 2025 16:34
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050116

Quant Time: Nov 21 22:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	203697	50.156	ug/L	99
29) Cyclohexane	5.354	56	196648	46.892	ug/L	97
30) 1,1,1-Trichloroethane	5.283	97	204708	48.097	ug/L	99
31) Carbon tetrachloride	5.492	117	163703	48.915	ug/L	99
33) Benzene	5.743	78	503374	49.516	ug/L	100
34) Trichloroethene	6.515	95	141652	48.334	ug/L	98
35) Methylcyclohexane	6.734	83	200542	46.615	ug/L	98
37) 1,2-Dichloropropane	6.759	63	130820	49.517	ug/L	100
38) Bromodichloromethane	7.078	83	173995	48.095	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	184722	47.146	ug/L	98
40) 4-Methyl-2-pentanone	7.762	43	382205	99.946	ug/L	99
42) Toluene	7.942	91	548096	48.836	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	152398	44.559	ug/L	98
45) 1,1,2-Trichloroethane	8.373	97	141262	50.559	ug/L	99
46) Tetrachloroethene	8.528	164	105723	47.172	ug/L	98
48) 2-Hexanone	8.659	43	303135	100.995	ug/L	99
49) Dibromochloromethane	8.782	129	129593	48.029	ug/L	100
50) 1,2-Dibromoethane	8.897	107	145605	49.648	ug/L	98
51) Chlorobenzene	9.422	112	365135	48.210	ug/L	99
52) Ethylbenzene	9.544	91	629329	48.292	ug/L	99
53) m,p-Xylene	9.669	106	241659	48.652	ug/L	99
54) o-Xylene	10.074	106	238310	49.266	ug/L	96
55) Styrene	10.090	104	394087	50.282	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.756	83	223228	49.054	ug/L	99
59) Bromoform	10.264	173	91841	44.458	ug/L	99
60) 1,2,3-Trichloropropane	10.794	75	191491	48.231	ug/L	99
61) Isopropylbenzene	10.457	105	641042	46.713	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	527776	46.755	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	506814	47.036	ug/L	100
64) 1,3-Dichlorobenzene	11.720	146	282965	45.995	ug/L	99
65) 1,4-Dichlorobenzene	11.810	146	285174	45.257	ug/L	100
67) 1,2-Dichlorobenzene	12.187	146	279354	46.836	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	45335	46.243	ug/L	95
69) 1,3,5-Trichlorobenzene	13.193	180	191626	46.085	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	155950	44.979	ug/L	99
71) Naphthalene	14.058	128	446880	48.431	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	151026	45.957	ug/L	99

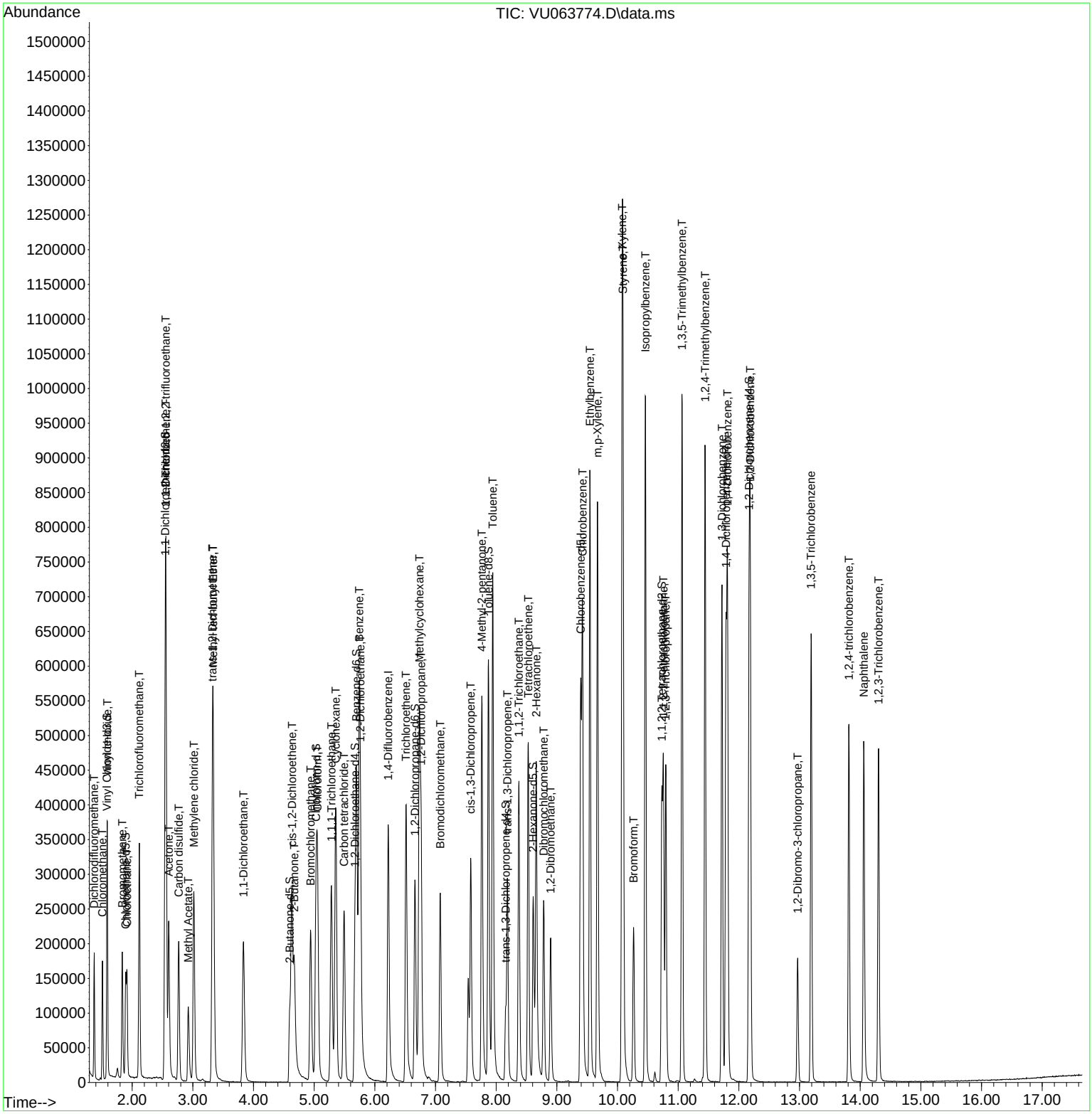
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063774.D
Acq On : 24 Nov 2025 13:10
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

Quant Time: Nov 25 00:20:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063774.D
Acq On : 24 Nov 2025 13:10
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050117

Quant Time: Nov 25 00:20:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	321563	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	314070	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	158156	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	128156	46.152	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.300%			
7) Chloroethane-d5	1.891	69	105966	49.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.060%			
11) 1,1-Dichloroethene-d2	2.544	63	236890	49.216	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.440%			
21) 2-Butanone-d5	4.596	46	150587	95.125	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 95.120%			
24) Chloroform-d	5.030	84	236240	50.706	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.420%			
26) 1,2-Dichloroethane-d4	5.669	65	153766	50.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.380%			
32) Benzene-d6	5.695	84	443634	48.190	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.380%			
36) 1,2-Dichloropropane-d6	6.660	67	131016	48.478	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.960%			
41) Toluene-d8	7.872	98	423025	48.397	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.800%			
43) trans-1,3-Dichloroprop...	8.155	79	53457	47.865	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.720%			
47) 2-Hexanone-d5	8.608	63	94011	95.674	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.670%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	196991	49.843	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.680%			
66) 1,2-Dichlorobenzene-d4	12.168	152	150077	50.267	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	99751	53.301	ug/L	100
3) Chloromethane	1.509	50	108445	51.215	ug/L	100
5) Vinyl chloride	1.589	62	129153	52.458	ug/L	98
6) Bromomethane	1.837	94	86450	55.409	ug/L	97
8) Chloroethane	1.914	64	91053	55.406	ug/L	97
9) Trichlorofluoromethane	2.117	101	217123	55.914	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	124436	54.219	ug/L	97
12) 1,1-Dichloroethene	2.554	96	106860	50.909	ug/L	94
13) Acetone	2.602	43	242092	112.998	ug/L	99
14) Carbon disulfide	2.766	76	261406	47.810	ug/L	98
15) Methyl Acetate	2.924	43	130648	50.783	ug/L	99
16) Methylene chloride	3.017	84	129081	52.751	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	117030	52.294	ug/L	91
18) Methyl tert-butyl Ether	3.335	73	396572	52.360	ug/L	99
19) 1,1-Dichloroethane	3.834	63	229360	53.187	ug/L	98
20) cis-1,2-Dichloroethene	4.634	96	138105	53.612	ug/L	98
22) 2-Butanone	4.669	43	238195	100.075	ug/L	97
23) Bromochloromethane	4.940	128	71438	53.940	ug/L	97
25) Chloroform	5.055	83	252105	54.009	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063774.D
Acq On : 24 Nov 2025 13:10
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050117

Quant Time: Nov 25 00:20:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	205317	53.881	ug/L	99
29) Cyclohexane	5.354	56	203425	51.479	ug/L	97
30) 1,1,1-Trichloroethane	5.284	97	208493	51.987	ug/L	99
31) Carbon tetrachloride	5.493	117	169111	53.626	ug/L	98
33) Benzene	5.743	78	504334	52.649	ug/L	100
34) Trichloroethene	6.512	95	140845	51.002	ug/L	97
35) Methylcyclohexane	6.734	83	209425	51.661	ug/L	99
37) 1,2-Dichloropropane	6.763	63	134740	54.125	ug/L	99
38) Bromodichloromethane	7.078	83	180882	53.061	ug/L	96
39) cis-1,3-Dichloropropene	7.579	75	179817	48.706	ug/L	100
40) 4-Methyl-2-pentanone	7.763	43	368186	102.178	ug/L	100
42) Toluene	7.943	91	556704	52.641	ug/L	99
44) trans-1,3-Dichloropropene	8.184	75	161904	50.238	ug/L	99
45) 1,1,2-Trichloroethane	8.374	97	138421	52.577	ug/L	98
46) Tetrachloroethene	8.528	164	108781	51.510	ug/L	98
48) 2-Hexanone	8.660	43	299786	105.997	ug/L	99
49) Dibromochloromethane	8.782	129	132695	52.191	ug/L	97
50) 1,2-Dibromoethane	8.898	107	142165	51.444	ug/L	99
51) Chlorobenzene	9.422	112	371901	52.111	ug/L	99
52) Ethylbenzene	9.544	91	643637	52.415	ug/L	99
53) m,p-Xylene	9.669	106	238726	51.006	ug/L	98
54) o-Xylene	10.074	106	240411	52.745	ug/L	98
55) Styrene	10.091	104	389480	52.738	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.756	83	217999	50.840	ug/L	99
59) Bromoform	10.264	173	98859	55.041	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	185559	53.755	ug/L	98
61) Isopropylbenzene	10.460	105	648284	54.334	ug/L	100
62) 1,3,5-Trimethylbenzene	11.062	105	537554	54.771	ug/L	100
63) 1,2,4-Trimethylbenzene	11.444	105	507000	54.119	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	284878	53.259	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	281417	51.367	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	276463	53.311	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	44367	52.051	ug/L	93
69) 1,3,5-Trichlorobenzene	13.190	180	192943	53.369	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	152349	50.538	ug/L	98
71) Naphthalene	14.058	128	402162	50.129	ug/L	99
72) 1,2,3-Trichlorobenzene	14.303	180	144240	50.483	ug/L	99

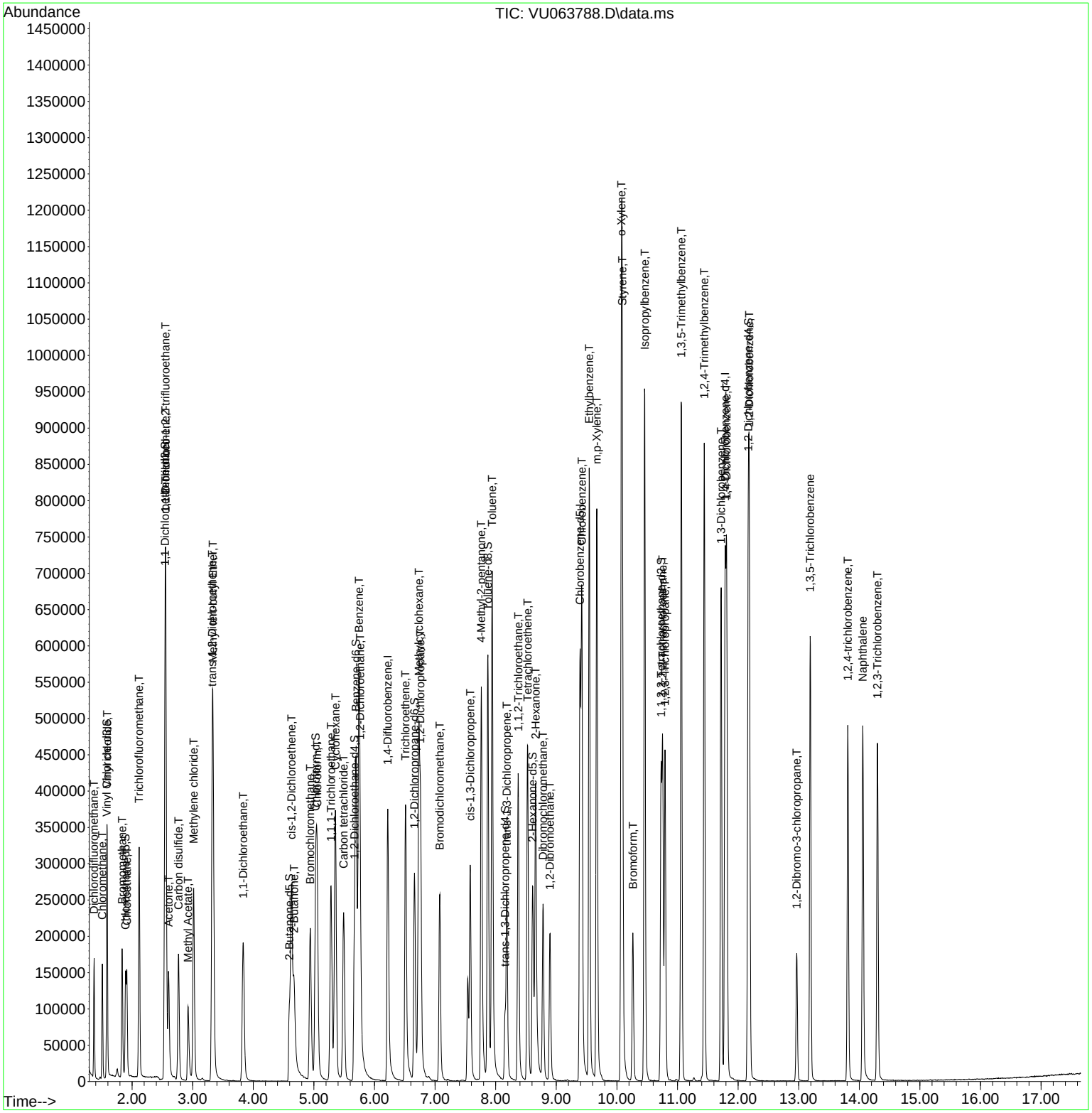
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063788.D
Acq On : 24 Nov 2025 19:29
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050118

Quant Time: Nov 25 00:25:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063788.D
Acq On : 24 Nov 2025 19:29
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050118

Quant Time: Nov 25 00:25:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	330966	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	324827	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	176546	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	118229	41.367	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 82.740%			
7) Chloroethane-d5	1.891	69	97631	44.340	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.680%			
11) 1,1-Dichloroethene-d2	2.544	63	224036	45.223	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.440%			
21) 2-Butanone-d5	4.595	46	151819	93.178	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.180%			
24) Chloroform-d	5.029	84	234967	49.000	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.000%			
26) 1,2-Dichloroethane-d4	5.669	65	151801	48.142	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.280%			
32) Benzene-d6	5.695	84	443022	46.530	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.060%			
36) 1,2-Dichloropropane-d6	6.660	67	129962	46.496	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.000%			
41) Toluene-d8	7.872	98	412071	45.582	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.160%			
43) trans-1,3-Dichloroprop...	8.155	79	48059	41.606	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.220%			
47) 2-Hexanone-d5	8.608	63	94107	92.600	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 92.600%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	199237	48.742	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.480%			
66) 1,2-Dichlorobenzene-d4	12.167	152	162336	48.709	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	90313	46.887	ug/L	99
3) Chloromethane	1.509	50	100277	46.012	ug/L	98
5) Vinyl chloride	1.589	62	123947	48.913	ug/L	100
6) Bromomethane	1.837	94	82981	51.675	ug/L	96
8) Chloroethane	1.914	64	85510	50.555	ug/L	97
9) Trichlorofluoromethane	2.116	101	201775	50.486	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	112828	47.764	ug/L	100
12) 1,1-Dichloroethene	2.554	96	102133	47.274	ug/L	95
13) Acetone	2.602	43	156197	70.835	ug/L	99
14) Carbon disulfide	2.766	76	227516	40.429	ug/L	99
15) Methyl Acetate	2.923	43	130110	49.137	ug/L	99
16) Methylene chloride	3.017	84	123858	49.179	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	110300	47.886	ug/L	96
18) Methyl tert-butyl Ether	3.335	73	378362	48.536	ug/L	99
19) 1,1-Dichloroethane	3.833	63	219452	49.444	ug/L	99
20) cis-1,2-Dichloroethene	4.631	96	132966	50.150	ug/L	96
22) 2-Butanone	4.673	43	190661	77.828	ug/L	99
23) Bromochloromethane	4.939	128	68951	50.583	ug/L	96
25) Chloroform	5.055	83	244740	50.942	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063788.D
Acq On : 24 Nov 2025 19:29
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD050118

Quant Time: Nov 25 00:25:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	202133	51.539	ug/L	100
29) Cyclohexane	5.357	56	189869	46.457	ug/L	97
30) 1,1,1-Trichloroethane	5.283	97	198364	47.823	ug/L	99
31) Carbon tetrachloride	5.492	117	159798	48.995	ug/L	100
33) Benzene	5.743	78	492902	49.752	ug/L	100
34) Trichloroethene	6.512	95	140253	49.106	ug/L	99
35) Methylcyclohexane	6.734	83	195926	46.731	ug/L	97
37) 1,2-Dichloropropane	6.759	63	127717	49.605	ug/L	100
38) Bromodichloromethane	7.078	83	174277	49.431	ug/L	98
39) cis-1,3-Dichloropropene	7.579	75	175417	45.941	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	364067	97.689	ug/L	99
42) Toluene	7.943	91	537786	49.168	ug/L	98
44) trans-1,3-Dichloropropene	8.184	75	145205	43.564	ug/L	98
45) 1,1,2-Trichloroethane	8.373	97	135391	49.723	ug/L	99
46) Tetrachloroethene	8.528	164	105672	48.381	ug/L	98
48) 2-Hexanone	8.660	43	277915	95.010	ug/L	98
49) Dibromochloromethane	8.782	129	123812	47.084	ug/L	99
50) 1,2-Dibromoethane	8.894	107	138627	48.503	ug/L	100
51) Chlorobenzene	9.422	112	360881	48.892	ug/L	99
52) Ethylbenzene	9.544	91	615202	48.441	ug/L	99
53) m,p-Xylene	9.669	106	232189	47.966	ug/L	97
54) o-Xylene	10.074	106	233246	49.479	ug/L	96
55) Styrene	10.090	104	381468	49.943	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.756	83	216965	48.923	ug/L	99
59) Bromoform	10.264	173	89855	44.817	ug/L	98
60) 1,2,3-Trichloropropane	10.795	75	182436	47.345	ug/L	99
61) Isopropylbenzene	10.460	105	627333	47.102	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	514385	46.951	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	490915	46.943	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	273310	45.774	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	275994	45.129	ug/L	98
67) 1,2-Dichlorobenzene	12.184	146	268805	46.435	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	42071	44.216	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	182292	45.171	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	147256	43.760	ug/L	99
71) Naphthalene	14.058	128	396713	44.299	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	141228	44.280	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

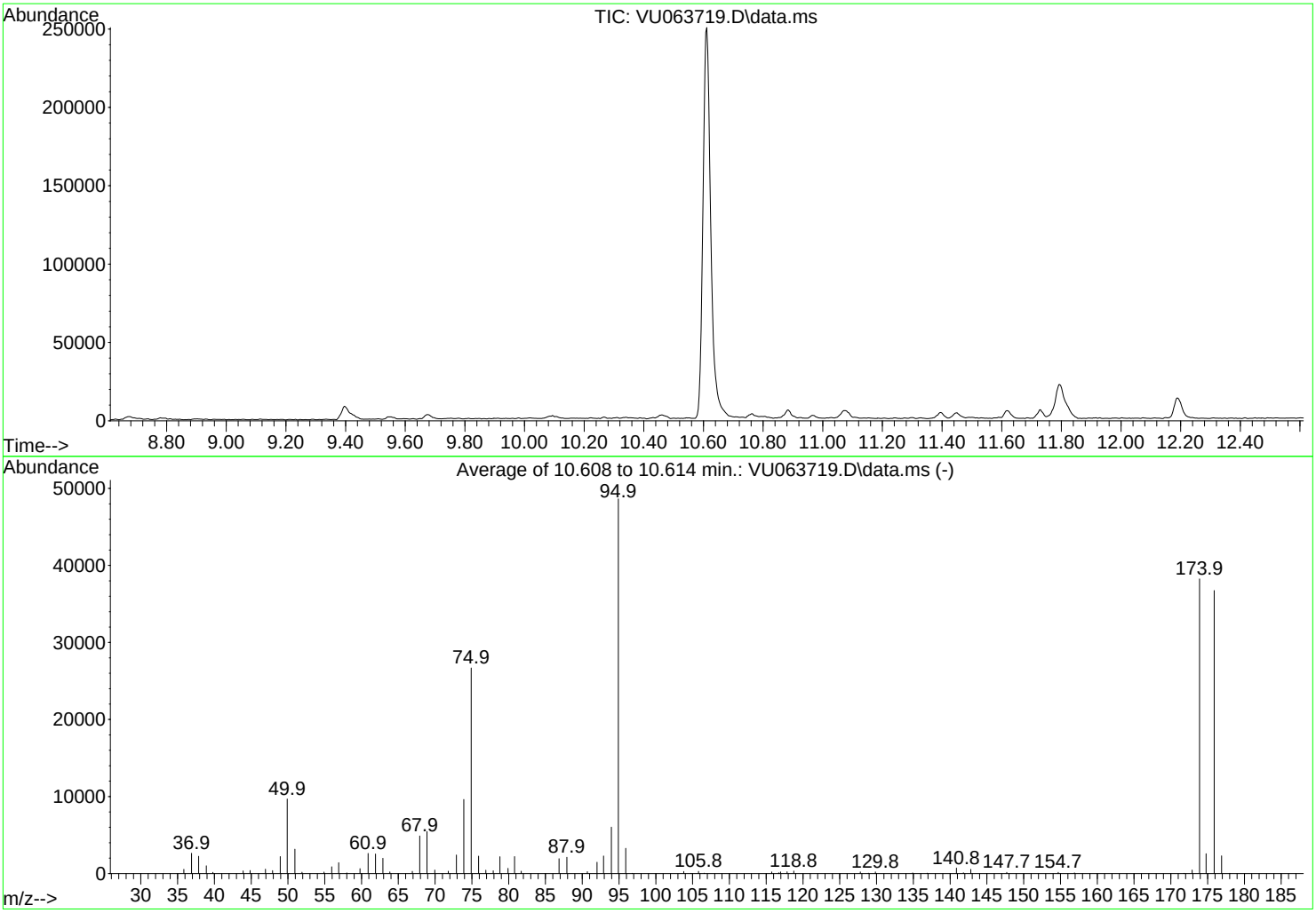
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063719.D
Acq On : 17 Nov 2025 10:37
Operator : MD/SY
Sample : BFB090
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFB090

Integration File: LSCINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis
Last Update : Wed Nov 19 04:47:02 2025



AutoFind: Scans 2898, 2899, 2900; Background Corrected with Scan 2886

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	9684	PASS
75	95	30	80	54.9	26696	PASS
95	95	100	100	100.0	48637	PASS
96	95	5	9	6.7	3278	PASS
173	174	0.00	2	1.2	446	PASS
174	95	50	120	78.7	38264	PASS
175	174	5	9	6.7	2566	PASS
176	174	95	101	96.0	36739	PASS
177	176	5	9	6.3	2306	PASS

Scan 2886 (10.569 min): VU063719.D\data.ms
BFB090

m/z	Abundance
35.80	589.0
37.70	228.0
39.80	209.0
43.90	546.0

Instrument :
MSVOA_U
ClientSampleId :
BFB090

Scan 2898 (10.608 min): VU063719.D\data.ms
BFB090

Instrument :
MSVOA_U
ClientSampleId :
BFB090

m/z	Abundance
35.90	1114.0
36.90	2921.0
37.90	2644.0
38.90	1052.0
39.80	363.0
43.90	905.0
44.90	409.0
47.00	580.0
47.90	359.0
48.90	2203.0
49.90	10067.0
51.00	3250.0
52.00	184.0
54.90	196.0
56.00	953.0
56.90	1494.0
59.80	696.0
60.90	2844.0
61.90	2609.0
62.90	2116.0
63.80	207.0
66.90	256.0
67.90	4743.0
68.90	5643.0
70.00	494.0
71.80	362.0
72.90	2574.0
73.90	9598.0
74.90	27944.0
75.90	2358.0
76.90	425.0
77.90	312.0
78.80	2250.0
79.90	745.0
80.80	2163.0
81.70	342.0
86.80	1944.0
87.90	2095.0
90.70	218.0
92.00	1430.0
92.90	2279.0
94.00	6062.0
94.90	49472.0
95.90	3335.0
96.80	100.0
103.80	277.0
104.80	102.0
105.80	280.0
106.60	125.0
115.80	217.0
117.00	312.0
117.80	240.0
118.80	304.0
127.80	207.0
129.90	219.0
134.90	144.0
140.80	670.0
141.90	117.0
142.80	490.0
147.70	174.0
154.70	135.0
156.90	131.0
172.90	457.0
173.90	37576.0
174.80	2589.0
175.90	36272.0
176.90	2510.0
178.00	103.0

Scan 2899 (10.611 min): VU063719.D\data.ms
BFB090

m/z	Abundance
35.90	1191.0
36.90	2655.0
37.90	2546.0
38.90	1041.0
39.80	376.0
43.90	904.0
44.90	409.0
47.00	590.0
47.90	396.0
48.90	2265.0
49.90	9898.0
50.90	3229.0
51.90	196.0
54.90	201.0
56.00	890.0
56.90	1460.0
58.00	112.0
59.80	649.0
60.90	2686.0
61.90	2611.0
62.90	2020.0
63.80	217.0
66.90	315.0
67.90	4967.0
68.90	5529.0
69.90	461.0
71.80	293.0
72.90	2499.0
73.90	9977.0
74.90	27448.0
75.90	2347.0
76.90	460.0
77.90	389.0
78.80	2281.0
79.90	686.0
80.80	2274.0
81.70	312.0
86.90	1951.0
87.90	2173.0
90.70	269.0
92.00	1562.0
92.90	2364.0
94.00	6148.0
94.90	49832.0
95.90	3334.0
103.80	274.0
105.80	303.0
115.70	228.0
116.90	312.0
117.80	247.0
118.80	329.0
127.80	223.0
129.80	224.0
134.90	134.0
140.80	747.0
141.80	109.0
142.80	568.0
147.70	154.0
154.70	164.0
156.90	107.0
171.80	100.0
172.90	444.0
173.90	39288.0
174.80	2618.0
175.90	37648.0
176.90	2325.0

Instrument :
MSVOA_U
ClientSampleId :
BFB090

Scan 2900 (10.614 min): VU063719.D\data.ms
BFB090

Instrument :
MSVOA_U
ClientSampleId :
BFB090

m/z	Abundance
35.90	1109.0
36.90	2301.0
37.90	2245.0
38.90	932.0
39.80	339.0
43.90	859.0
44.80	374.0
46.90	550.0
47.90	365.0
49.00	2171.0
49.90	9088.0
50.90	3038.0
51.80	171.0
54.90	198.0
55.90	791.0
56.90	1301.0
58.00	155.0
59.80	543.0
60.90	2322.0
61.90	2389.0
62.90	1825.0
63.90	201.0
66.90	267.0
67.90	4921.0
68.90	5184.0
69.90	395.0
71.80	282.0
72.90	2160.0
73.90	9308.0
74.90	24696.0
75.90	2101.0
76.90	423.0
77.90	399.0
78.80	2053.0
79.90	578.0
80.80	2186.0
81.70	283.0
86.90	1889.0
87.90	2084.0
90.70	249.0
92.00	1437.0
92.90	2200.0
93.90	5888.0
94.90	46608.0
95.90	3165.0
103.80	230.0
105.80	280.0
115.80	213.0
116.70	331.0
117.90	209.0
118.70	338.0
127.80	207.0
128.90	123.0
129.80	196.0
136.90	121.0
140.90	734.0
141.70	105.0
142.80	580.0
147.70	127.0
154.70	155.0
172.90	437.0
173.90	37928.0
174.80	2491.0
175.90	36296.0
176.90	2084.0

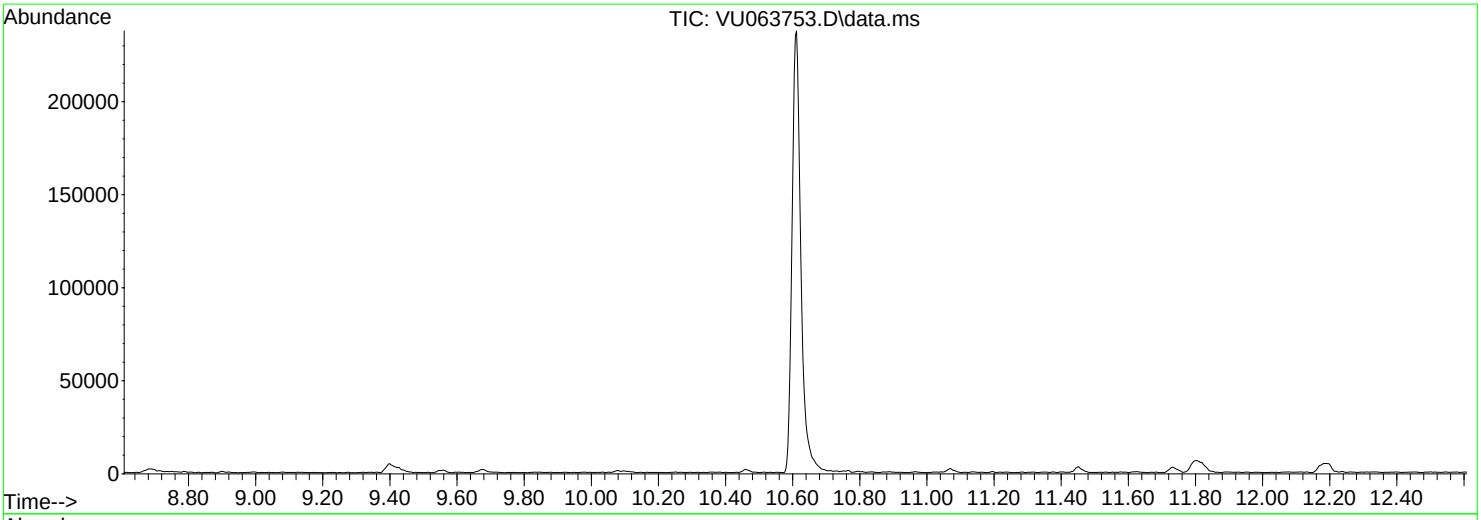
BFB

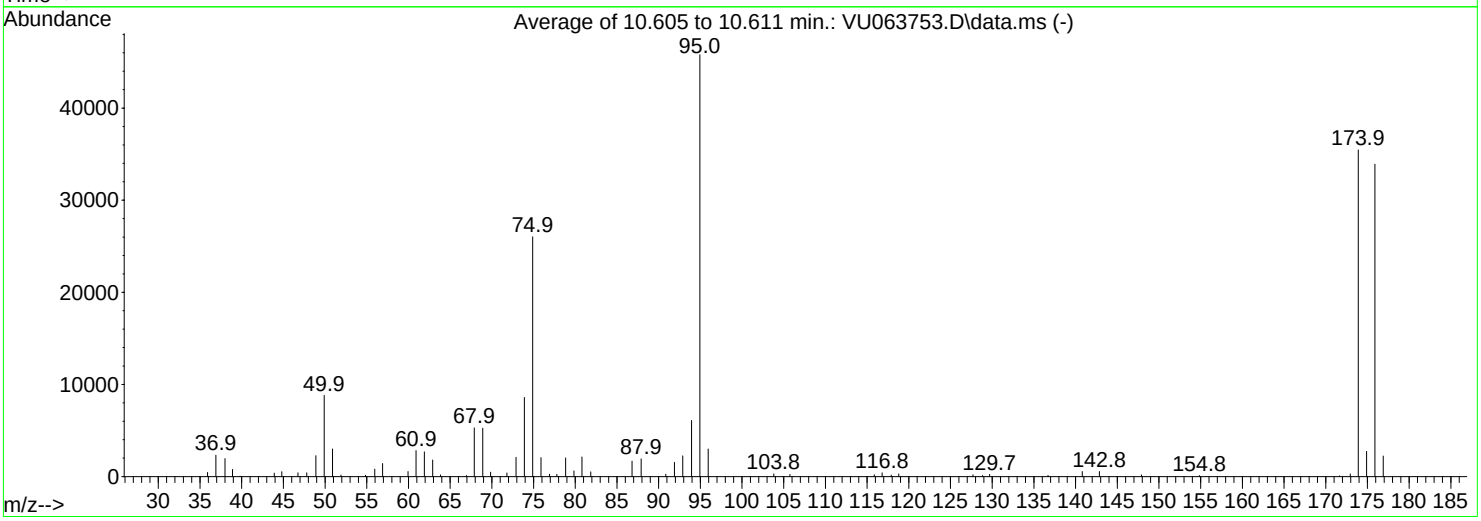
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063753.D
Acq On : 21 Nov 2025 07:50
Operator : MD/SY
Sample : BFB092
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFB092

Integration File: LSCINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis
Last Update : Tue Nov 25 00:22:49 2025





AutoFind: Scans 2897, 2898, 2899; Background Corrected with Scan 2886

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	8811	PASS
75	95	30	80	56.9	26032	PASS
95	95	100	100	100.0	45787	PASS
96	95	5	9	6.5	2989	PASS
173	174	0.00	2	0.8	284	PASS
174	95	50	120	77.4	35459	PASS
175	174	5	9	7.7	2732	PASS
176	174	95	101	95.7	33917	PASS
177	176	5	9	6.6	2240	PASS

Scan 2886 (10.570 min): VU063753.D\data.ms
BFB092

m/z	Abundance
39.80	168.0
43.90	526.0

Instrument :
MSVOA_U
ClientSampleId :
BFB092

Scan 2897 (10.605 min): VU063753.D\data.ms
BFB092

Instrument :
MSVOA_U
ClientSampleId :
BFB092

m/z	Abundance
35.90	453.0
36.90	2192.0
38.00	1903.0
38.90	803.0
39.80	242.0
43.90	873.0
44.80	534.0
46.70	316.0
47.80	378.0
48.90	2155.0
49.90	8332.0
50.90	2869.0
51.90	188.0
54.80	131.0
55.90	792.0
56.90	1296.0
59.90	460.0
60.90	2749.0
61.90	2629.0
62.90	1597.0
63.80	199.0
67.00	128.0
67.90	4787.0
68.90	5055.0
69.80	448.0
71.80	362.0
72.90	2054.0
73.90	8165.0
74.90	24720.0
75.90	1951.0
76.90	246.0
77.80	147.0
78.90	1947.0
79.90	645.0
80.80	2000.0
81.80	475.0
86.80	1582.0
87.90	1815.0
90.80	230.0
91.90	1423.0
92.90	2132.0
94.00	5466.0
95.00	43160.0
96.00	2825.0
103.80	318.0
105.70	203.0
115.80	205.0
116.80	375.0
117.90	161.0
118.80	249.0
127.70	181.0
128.80	109.0
129.70	245.0
136.70	118.0
140.80	594.0
142.80	498.0
147.80	126.0
154.80	100.0
171.60	110.0
172.90	260.0
173.90	33088.0
174.90	2495.0
175.90	30760.0
176.90	2235.0

Scan 2898 (10.608 min): VU063753.D\data.ms
BFB092

Instrument :
MSVOA_U
ClientSampleId :
BFB092

m/z	Abundance
35.90	461.0
36.90	2371.0
38.00	1990.0
38.90	753.0
39.80	205.0
43.90	927.0
44.80	566.0
46.80	407.0
47.80	403.0
48.90	2330.0
49.90	8954.0
50.90	3179.0
51.90	161.0
54.80	160.0
56.00	828.0
56.90	1421.0
60.00	584.0
60.90	2873.0
61.90	2781.0
62.90	1824.0
63.80	183.0
67.00	101.0
67.90	5385.0
68.90	5316.0
69.90	495.0
71.80	413.0
72.90	2145.0
73.90	8827.0
74.90	26816.0
75.90	2120.0
76.90	270.0
77.80	257.0
78.90	2055.0
79.90	658.0
80.80	2229.0
81.80	521.0
86.80	1680.0
87.90	1992.0
90.80	246.0
91.90	1574.0
92.90	2314.0
93.90	6266.0
95.00	47240.0
95.90	3065.0
103.80	297.0
105.80	233.0
115.90	218.0
116.80	429.0
117.90	171.0
118.80	242.0
127.70	211.0
128.90	119.0
129.70	249.0
136.70	136.0
140.80	568.0
142.90	561.0
147.90	184.0
154.90	121.0
171.70	120.0
172.90	273.0
173.90	36160.0
174.90	2732.0
175.90	34792.0
176.90	2311.0

Scan 2899 (10.611 min): VU063753.D\data.ms
BFB092

Instrument :
MSVOA_U
ClientSampleId :
BFB092

m/z	Abundance
35.90	446.0
36.90	2391.0
38.00	1983.0
38.90	752.0
39.80	168.0
43.90	882.0
44.80	481.0
46.80	491.0
47.80	431.0
48.90	2294.0
49.90	9147.0
50.90	2948.0
51.90	139.0
54.90	166.0
56.00	821.0
56.90	1513.0
60.00	605.0
60.90	2858.0
61.90	2638.0
62.90	1967.0
63.90	187.0
66.90	102.0
67.90	5688.0
68.90	5401.0
69.90	466.0
71.80	394.0
72.90	2097.0
73.90	8799.0
74.90	26560.0
75.90	2106.0
76.90	239.0
77.80	280.0
78.80	2056.0
79.80	571.0
80.80	2147.0
81.90	534.0
86.80	1774.0
87.90	1941.0
90.90	266.0
91.90	1641.0
92.90	2330.0
93.90	6513.0
94.90	46960.0
95.90	3076.0
103.80	247.0
104.80	106.0
105.80	256.0
115.90	180.0
116.80	428.0
117.90	193.0
118.70	189.0
118.90	190.0
127.70	224.0
128.90	119.0
129.70	201.0
136.70	156.0
140.80	494.0
142.90	600.0
148.00	231.0
154.90	141.0
173.00	318.0
173.90	37128.0
174.90	2970.0
175.90	36200.0
176.90	2173.0

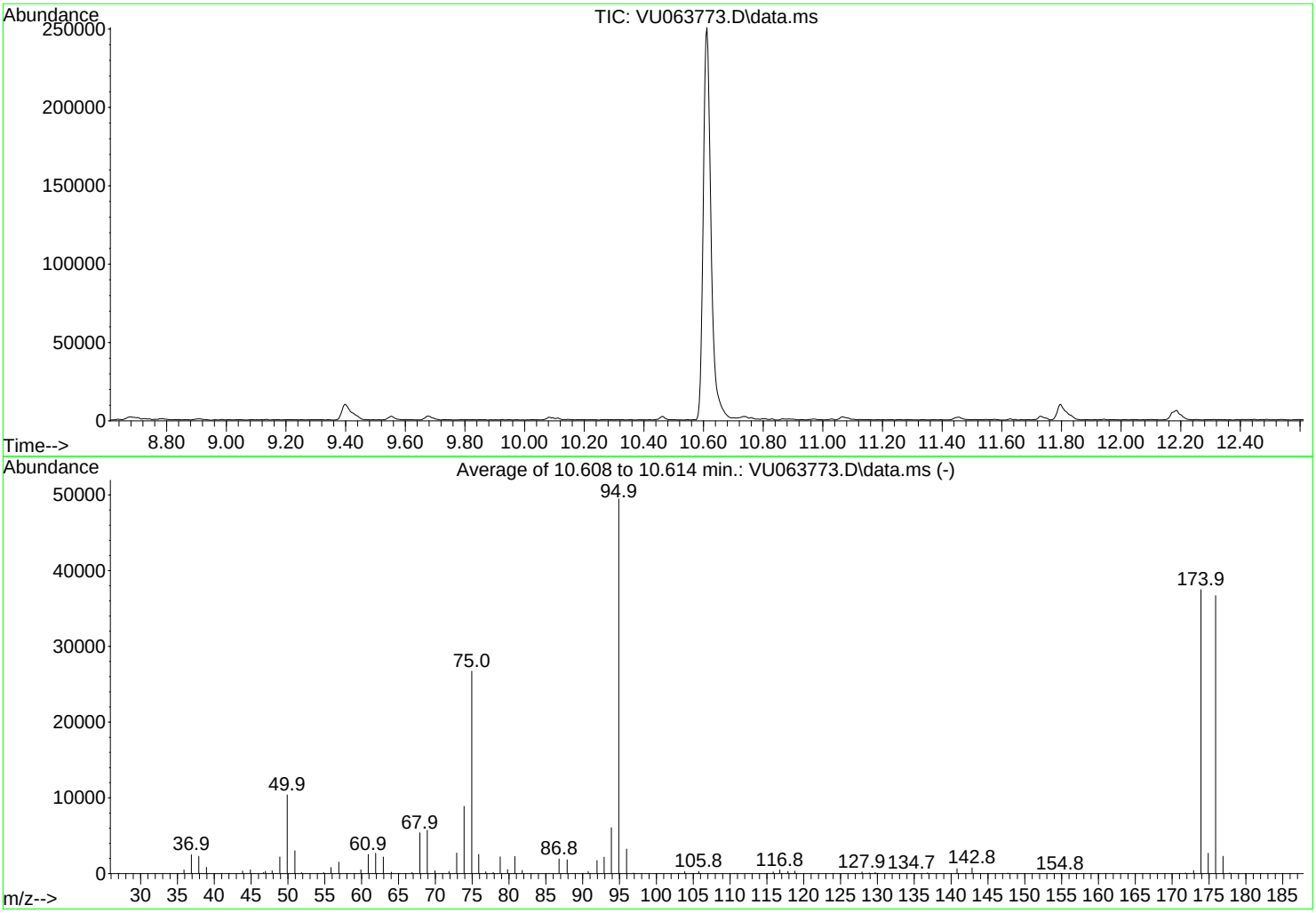
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063773.D
Acq On : 24 Nov 2025 12:38
Operator : MD/SY
Sample : BFB093
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFB093

Integration File: LSCINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis
Last Update : Tue Nov 25 00:22:49 2025



AutoFind: Scans 2898, 2899, 2900; Background Corrected with Scan 2887

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	10395	PASS
75	95	30	80	54.1	26731	PASS
95	95	100	100	100.0	49453	PASS
96	95	5	9	6.6	3255	PASS
173	174	0.00	2	1.1	409	PASS
174	95	50	120	75.8	37496	PASS
175	174	5	9	7.2	2681	PASS
176	174	95	101	97.8	36688	PASS
177	176	5	9	6.3	2294	PASS

Scan 2887 (10.573 min): VU063773.D\data.ms
BFB093

m/z	Abundance
39.90	222.0
43.80	490.0

Instrument :
MSVOA_U
ClientSampleId :
BFB093

Scan 2898 (10.608 min): VU063773.D\data.ms
BFB093

m/z	Abundance
35.90	522.0
36.90	2600.0
37.90	2338.0
39.00	849.0
39.80	222.0
43.90	927.0
44.90	506.0
46.70	432.0
47.80	378.0
48.90	2264.0
49.90	10535.0
50.90	2995.0
51.90	145.0
54.90	167.0
55.80	837.0
56.90	1704.0
59.90	508.0
60.90	2607.0
61.90	2809.0
62.90	2250.0
64.00	231.0
66.90	159.0
67.90	5466.0
68.90	5701.0
70.00	310.0
71.80	280.0
72.90	2791.0
73.90	8729.0
74.90	26784.0
75.90	2527.0
77.00	249.0
77.80	178.0
78.80	2346.0
79.80	476.0
80.80	2220.0
81.80	474.0
86.80	1945.0
87.90	1653.0
90.70	274.0
91.90	1828.0
92.90	2222.0
93.90	6123.0
94.90	49464.0
95.90	3425.0
96.90	120.0
103.80	268.0
105.80	304.0
115.90	224.0
116.80	492.0
117.80	345.0
118.80	341.0
127.90	213.0
128.90	155.0
129.70	147.0
136.80	116.0
140.80	705.0
142.80	716.0
172.90	424.0
173.90	37344.0
174.90	2638.0
175.90	36576.0
176.90	2415.0
177.80	163.0

Instrument :
MSVOA_U
ClientSampleId :
BFB093

Scan 2899 (10.611 min): VU063773.D\data.ms
BFB093

Instrument :
MSVOA_U
ClientSampleId :
BFB093

m/z	Abundance
35.90	496.0
36.90	2575.0
37.90	2319.0
38.90	830.0
39.80	213.0
43.90	849.0
44.90	493.0
46.90	463.0
47.80	381.0
48.90	2273.0
49.90	10609.0
50.90	3113.0
51.90	148.0
54.80	161.0
55.90	808.0
56.90	1527.0
59.90	515.0
60.90	2599.0
61.90	2779.0
62.90	2303.0
64.10	189.0
66.90	164.0
67.90	5519.0
68.90	5868.0
69.90	369.0
71.80	249.0
72.90	2807.0
73.90	9020.0
74.90	27424.0
75.90	2620.0
76.80	243.0
77.80	183.0
78.80	2275.0
79.80	517.0
80.80	2341.0
81.80	421.0
86.80	2035.0
87.90	1840.0
90.80	281.0
91.90	1763.0
92.90	2260.0
93.90	6264.0
94.90	50672.0
95.90	3346.0
96.90	115.0
103.90	266.0
104.70	105.0
105.80	307.0
110.60	103.0
115.90	223.0
116.70	504.0
117.90	320.0
118.80	344.0
127.90	230.0
128.90	136.0
129.70	180.0
134.70	107.0
136.80	130.0
140.80	672.0
142.90	794.0
147.70	100.0
171.80	128.0
172.90	415.0
173.90	38728.0
174.90	2763.0
175.90	37656.0
176.90	2330.0
177.80	125.0

Scan 2900 (10.614 min): VU063773.D\data.ms
BFB093

Instrument :
MSVOA_U
ClientSampleId :
BFB093

m/z	Abundance
35.90	430.0
36.90	2338.0
37.90	2213.0
38.90	789.0
39.80	224.0
43.90	731.0
44.90	485.0
47.00	456.0
47.90	366.0
48.90	2069.0
49.90	10040.0
51.00	2932.0
51.80	131.0
54.80	155.0
55.90	750.0
56.90	1309.0
59.90	510.0
60.90	2394.0
61.90	2469.0
63.00	2011.0
64.10	161.0
66.70	156.0
67.90	5150.0
68.90	5582.0
69.90	443.0
71.90	284.0
72.90	2588.0
73.90	8868.0
75.00	25984.0
75.90	2439.0
76.80	266.0
77.90	176.0
78.80	2012.0
79.80	593.0
80.80	2225.0
81.80	347.0
86.80	1816.0
87.90	1974.0
90.80	242.0
92.00	1593.0
92.90	2028.0
93.90	5800.0
94.90	48224.0
96.00	2994.0
103.90	267.0
105.70	282.0
115.80	248.0
116.70	456.0
117.90	245.0
118.80	319.0
127.90	228.0
129.70	180.0
134.60	115.0
136.80	102.0
140.80	608.0
141.90	106.0
142.80	751.0
147.70	104.0
154.80	112.0
171.80	158.0
172.90	387.0
173.90	36416.0
174.90	2643.0
175.90	35832.0
176.90	2138.0

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VBLK130

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : VU1121WBL01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063756.D
% Solids :
Date Received :
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VBLK130

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : VU1121WBL01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063756.D
% Solids :
Date Received :
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VBLK130

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : VU1121WBL01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063756.D
% Solids :
Date Received :
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK130

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : VU1121WBL01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063756.D
% Solids :
Date Received :
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/21/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

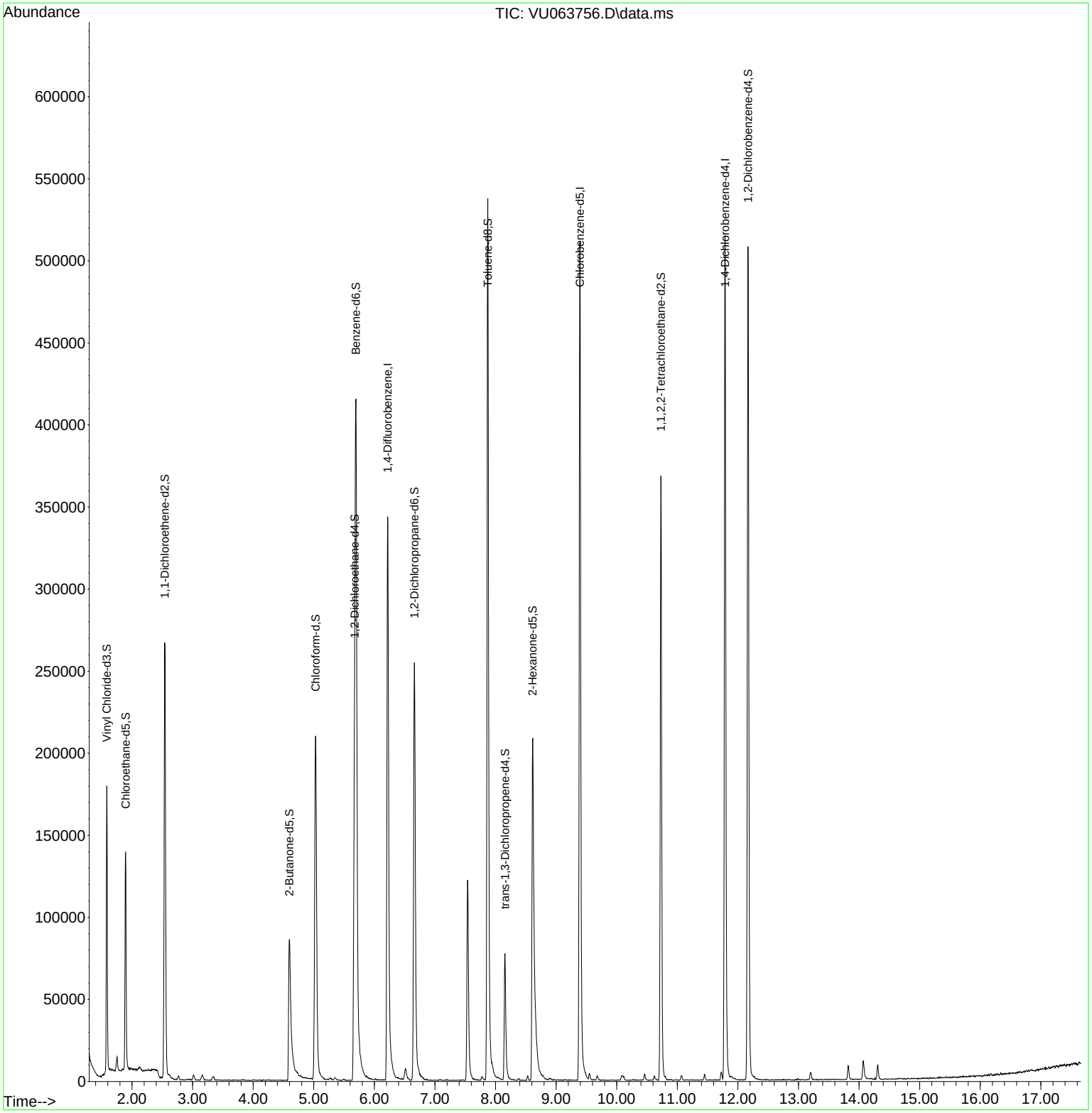
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063756.D
Acq On : 21 Nov 2025 09:36
Operator : MD/SY
Sample : VU1121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK130

Quant Time: Nov 21 22:28:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063756.D
Acq On : 21 Nov 2025 09:36
Operator : MD/SY
Sample : VU1121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK130

Quant Time: Nov 21 22:28:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	301725	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	287829	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	139993	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	117389	45.054	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 90.100%			
7) Chloroethane-d5	1.894	69	94312	46.984	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.960%			
11) 1,1-Dichloroethene-d2	2.541	63	161541	35.768	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.540%			
21) 2-Butanone-d5	4.595	46	135980	91.545	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.550%			
24) Chloroform-d	5.029	84	201389	46.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.140%			
26) 1,2-Dichloroethane-d4	5.672	65	139351	48.477	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.960%			
32) Benzene-d6	5.695	84	411309	48.752	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.500%			
36) 1,2-Dichloropropane-d6	6.660	67	121126	48.905	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.800%			
41) Toluene-d8	7.872	98	372979	46.561	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.120%			
43) trans-1,3-Dichloroprop...	8.155	79	43612	42.610	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.220%			
47) 2-Hexanone-d5	8.611	63	83414	92.629	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 92.630%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	173930	48.020	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.040%			
66) 1,2-Dichlorobenzene-d4	12.167	152	133549	50.535	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.060%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063756.D
Acq On : 21 Nov 2025 09:36
Operator : MD/SY
Sample : VU1121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK130

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063756.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	105	rBV	173580	192944	15.52%	2.053%
2	1.894	180	188	202	rVB	131235	169977	13.67%	1.809%
3	2.480	368	370	374	rBV4	765	546	0.04%	0.006%
4	2.541	377	389	405	rBV	265087	438645	35.28%	4.668%
5	2.734	446	449	451	rBV2	467	274	0.02%	0.003%
6	2.769	452	460	467	rVB4	2398	3747	0.30%	0.040%
7	2.814	471	474	479	rVB	334	273	0.02%	0.003%
8	2.939	510	513	515	rBV2	442	276	0.02%	0.003%
9	3.013	528	536	549	rBV5	3071	5828	0.47%	0.062%
10	3.158	570	581	593	rBV3	3266	7229	0.58%	0.077%
11	3.206	593	596	601	rVV3	432	326	0.03%	0.003%
12	3.235	601	605	610	rVB	254	271	0.02%	0.003%
13	3.296	617	624	627	rVB2	313	354	0.03%	0.004%
14	3.341	627	638	640	rBV4	2251	3895	0.31%	0.041%
15	3.518	690	693	697	rBV2	313	252	0.02%	0.003%
16	3.576	708	711	716	rBV2	332	271	0.02%	0.003%
17	3.814	780	785	787	rBV2	293	239	0.02%	0.003%
18	3.827	787	789	792	rVV	413	273	0.02%	0.003%
19	3.846	792	795	799	rVV	357	314	0.03%	0.003%
20	3.997	837	842	848	rBV2	325	412	0.03%	0.004%
21	4.139	883	886	890	rVB2	333	259	0.02%	0.003%
22	4.164	890	894	902	rBV	598	901	0.07%	0.010%
23	4.325	935	944	948	rBV2	333	433	0.03%	0.005%
24	4.528	1002	1007	1010	rBV	317	294	0.02%	0.003%
25	4.599	1019	1029	1062	rBV	85680	248826	20.01%	2.648%
26	5.029	1147	1163	1198	rBV	209349	487575	39.22%	5.189%
27	5.351	1255	1263	1276	rVB5	1397	3006	0.24%	0.032%
28	5.489	1295	1306	1308	rBV3	854	989	0.08%	0.011%
29	5.560	1322	1328	1331	rBV2	242	259	0.02%	0.003%
30	5.695	1349	1370	1422	rBV2	415162	1243219	100.00%	13.230%
31	6.161	1513	1515	1521	rVB2	307	244	0.02%	0.003%
32	6.219	1521	1533	1574	rBV	343389	714454	57.47%	7.603%
33	6.515	1613	1625	1637	rBV10	6640	14662	1.18%	0.156%
34	6.660	1656	1670	1698	rBV	254252	534318	42.98%	5.686%
35	6.872	1733	1736	1741	rVB3	538	443	0.04%	0.005%
36	6.920	1748	1751	1754	rBV2	413	306	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063756.D
Acq On : 21 Nov 2025 09:36
Operator : MD/SY
Sample : VU1121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK130

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.078	1794	1800	1803	rBV3	618	738	0.06%	0.008%
38	7.158	1817	1825	1827	rBV	234	256	0.02%	0.003%
39	7.296	1862	1868	1872	rBV	262	246	0.02%	0.003%
40	7.541	1931	1944	1973	rBV	122100	232241	18.68%	2.471%
41	7.692	1987	1991	1995	rBV3	439	362	0.03%	0.004%
42	7.772	2010	2016	2018	rBV3	1969	1686	0.14%	0.018%
43	7.872	2034	2047	2067	rBV	536982	987282	79.41%	10.506%
44	8.155	2124	2135	2156	rBV	76962	140254	11.28%	1.493%
45	8.306	2180	2182	2188	rVB2	360	308	0.02%	0.003%
46	8.386	2197	2207	2210	rBV6	1111	1497	0.12%	0.016%
47	8.441	2222	2224	2232	rVB2	306	313	0.03%	0.003%
48	8.531	2244	2252	2262	rBV6	2835	4273	0.34%	0.045%
49	8.614	2267	2278	2322	rBV2	208335	550197	44.26%	5.855%
50	8.888	2355	2363	2364	rBV3	757	767	0.06%	0.008%
51	8.994	2394	2396	2401	rVB	466	308	0.02%	0.003%
52	9.020	2401	2404	2405	rBV	361	227	0.02%	0.002%
53	9.142	2438	2442	2443	rBV3	512	321	0.03%	0.003%
54	9.203	2456	2461	2465	rVB2	629	499	0.04%	0.005%
55	9.241	2465	2473	2477	rBV2	532	550	0.04%	0.006%
56	9.338	2499	2503	2507	rVB2	289	251	0.02%	0.003%
57	9.393	2507	2520	2563	rBV	510730	929945	74.80%	9.896%
58	9.547	2563	2568	2581	rVV3	3913	6546	0.53%	0.070%
59	9.614	2585	2589	2591	rBV4	347	275	0.02%	0.003%
60	9.676	2600	2608	2617	rBV6	2655	4344	0.35%	0.046%
61	9.746	2626	2630	2632	rBV2	344	225	0.02%	0.002%
62	9.942	2689	2691	2697	rVB2	332	301	0.02%	0.003%
63	9.981	2699	2703	2708	rVB	239	239	0.02%	0.003%
64	10.020	2712	2715	2720	rBV2	253	285	0.02%	0.003%
65	10.087	2726	2736	2740	rBV3	2798	5130	0.41%	0.055%
66	10.254	2780	2788	2789	rBV2	271	318	0.03%	0.003%
67	10.274	2791	2794	2799	rVB2	649	524	0.04%	0.006%
68	10.302	2799	2803	2804	rBV2	363	227	0.02%	0.002%
69	10.335	2809	2813	2822	rBV2	441	635	0.05%	0.007%
70	10.460	2845	2852	2860	rBV2	3582	5130	0.41%	0.055%
71	10.618	2894	2901	2915	rBV3	2585	4511	0.36%	0.048%
72	10.730	2923	2936	2955	rBV	368371	608017	48.91%	6.470%
73	10.875	2977	2981	2985	rBV4	462	544	0.04%	0.006%
74	11.068	3030	3041	3056	rBV4	2762	5456	0.44%	0.058%
75	11.331	3121	3123	3129	rVB2	363	320	0.03%	0.003%
76	11.450	3152	3160	3171	rVB	3587	5164	0.42%	0.055%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063756.D
Acq On : 21 Nov 2025 09:36
Operator : MD/SY
Sample : VU1121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK130

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	11.537	3183	3187	3190	rVB	369	274	0.02%	0.003%
78	11.556	3190	3193	3200	rVB2	247	255	0.02%	0.003%
79	11.624	3210	3214	3217	rBV3	340	258	0.02%	0.003%
80	11.663	3223	3226	3229	rBV	388	301	0.02%	0.003%
81	11.727	3238	3246	3253	rBV6	4915	7987	0.64%	0.085%
82	11.788	3253	3265	3290	rVV	514168	885630	71.24%	9.425%
83	12.045	3340	3345	3347	rBV3	238	268	0.02%	0.003%
84	12.058	3347	3349	3354	rVB2	343	293	0.02%	0.003%
85	12.167	3370	3383	3408	rBV	507460	864362	69.53%	9.198%
86	12.499	3483	3486	3492	rVB	372	324	0.03%	0.003%
87	12.743	3559	3562	3564	rBV2	462	275	0.02%	0.003%
88	12.810	3580	3583	3585	rBV2	363	241	0.02%	0.003%
89	12.942	3621	3624	3626	rBV	376	240	0.02%	0.003%
90	12.984	3635	3637	3639	rBV3	637	366	0.03%	0.004%
91	13.061	3655	3661	3668	rBV3	442	614	0.05%	0.007%
92	13.199	3697	3704	3713	rBV6	4178	6993	0.56%	0.074%
93	13.402	3764	3767	3771	rBV2	231	262	0.02%	0.003%
94	13.476	3787	3790	3794	rBV3	281	255	0.02%	0.003%
95	13.820	3888	3897	3907	rBV4	8407	13313	1.07%	0.142%
96	14.071	3966	3975	3992	rBV2	10888	20830	1.68%	0.222%
97	14.306	4040	4048	4059	rVV5	8729	14188	1.14%	0.151%
98	14.862	4218	4221	4224	rBV2	455	373	0.03%	0.004%
99	15.170	4312	4317	4321	rBV3	775	763	0.06%	0.008%
100	15.341	4365	4370	4373	rBV4	1037	967	0.08%	0.010%

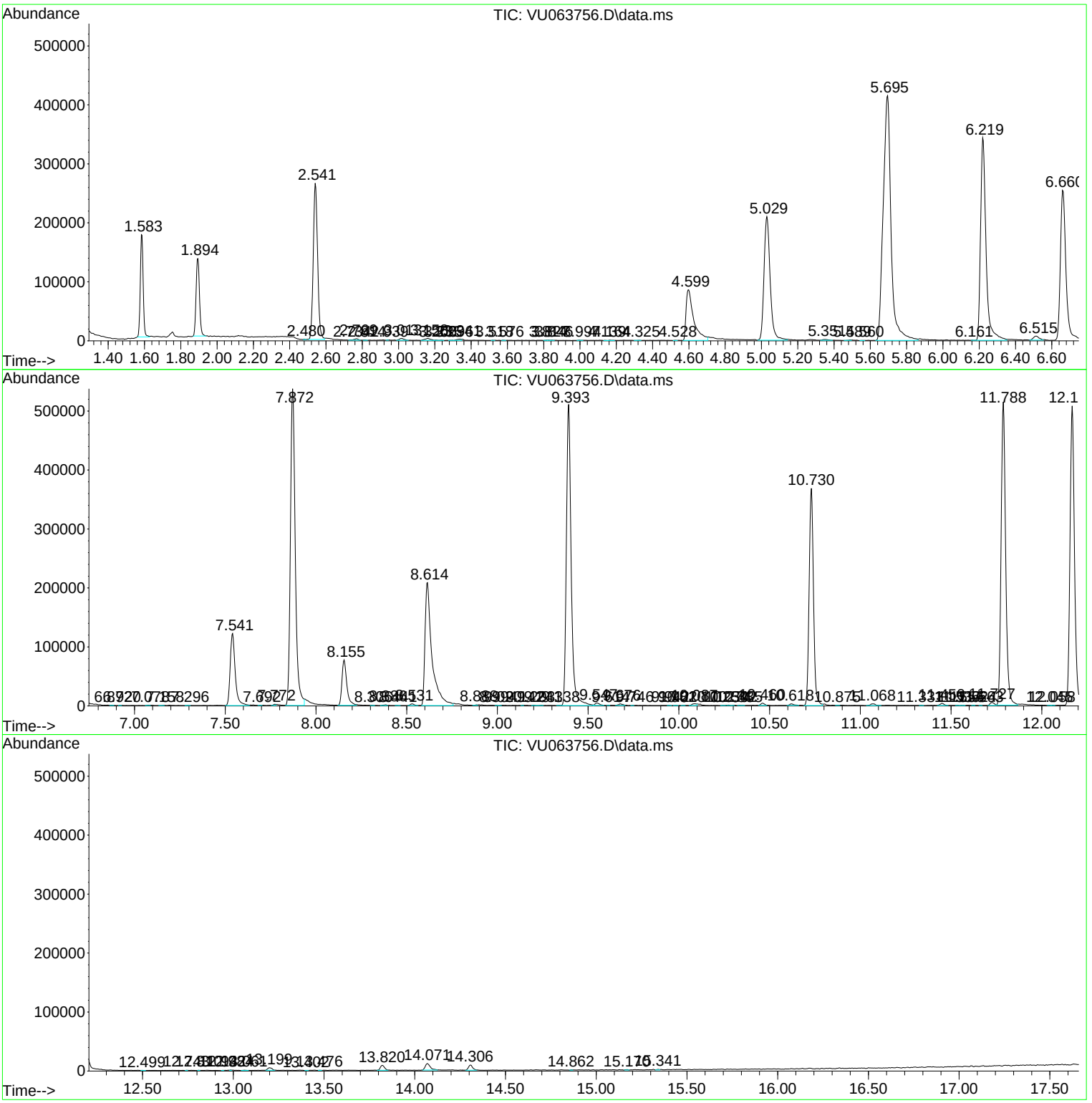
Sum of corrected areas: 9396878

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063756.D
Acq On : 21 Nov 2025 09:36
Operator : MD/SY
Sample : VU1121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK130

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063756.D
Acq On : 21 Nov 2025 09:36
Operator : MD/SY
Sample : VU1121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK130

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063756.D
Acq On : 21 Nov 2025 09:36
Operator : MD/SY
Sample : VU1121WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK130

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VBLK132

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : VU1124WBL01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063776.D
% Solids :
Date Received :
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VBLK132

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : VU1124WBL01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063776.D
% Solids :
Date Received :
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
VBLK132

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : VU1124WBL01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063776.D
% Solids :
Date Received :
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/24/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
120-82-1	1,2,4-trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK132

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : VU1124WBL01
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063776.D
% Solids :
Date Received :
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
Extract Concentrated : (Y/N)
Date Analyzed : 11/24/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : (µL)
Heated Purge : (Y/N) N
Extraction Type : PT
Purge Volume : 5 (mL)
Injection Volume : (µL)
Cleanup Types :
pH : Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor :

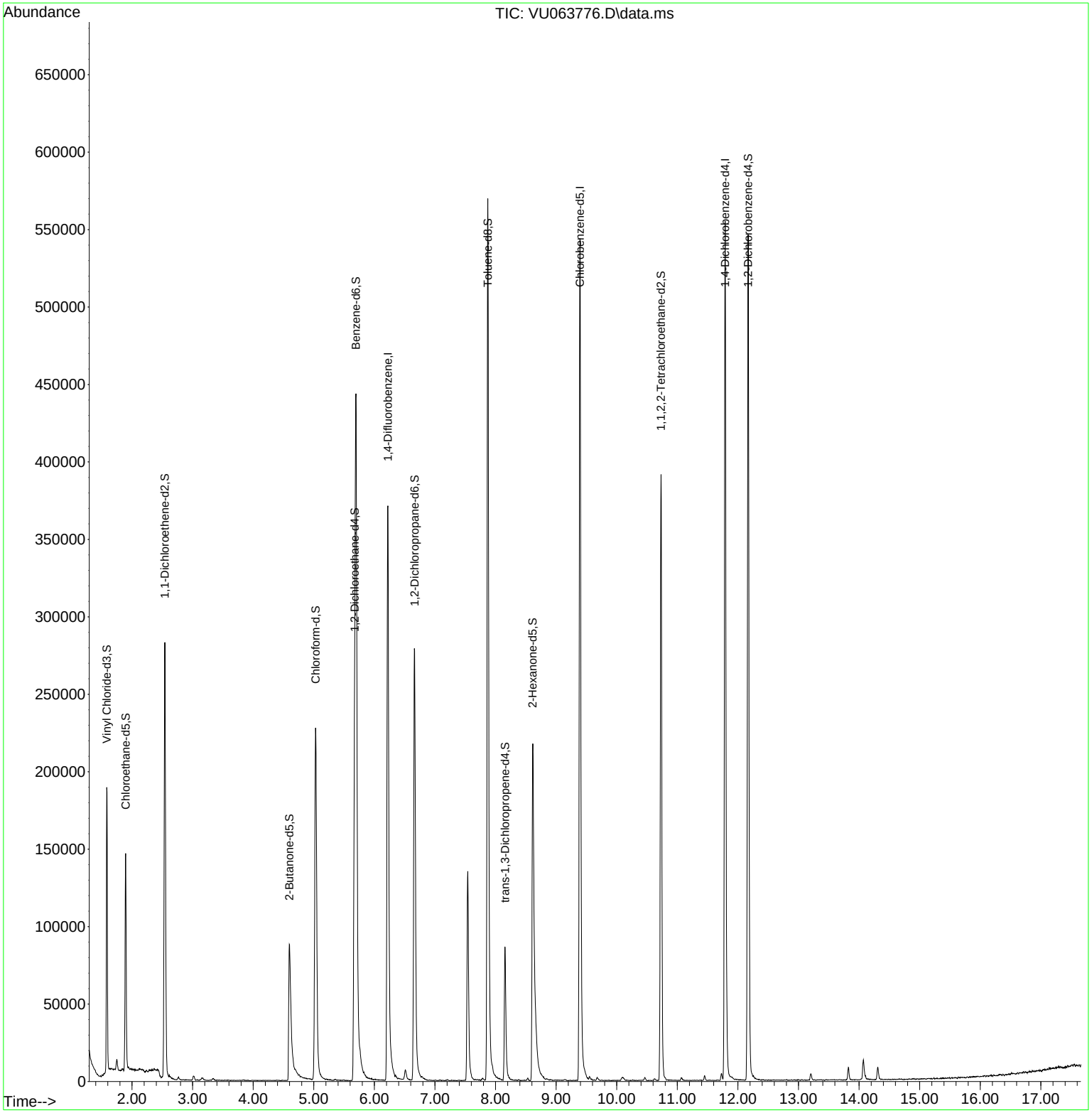
	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063776.D
Acq On : 24 Nov 2025 14:33
Operator : MD/SY
Sample : VU1124WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK132

Quant Time: Nov 25 00:23:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063776.D
Acq On : 24 Nov 2025 14:33
Operator : MD/SY
Sample : VU1124WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK132

Quant Time: Nov 25 00:23:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 25 00:22:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	326545	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	311598	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	153339	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	120437	42.711	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.420%		
7) Chloroethane-d5	1.895	69	98479	45.331	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.660%		
11) 1,1-Dichloroethene-d2	2.541	63	169667	34.712	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.420%		
21) 2-Butanone-d5	4.595	46	138927	86.420	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.420%		
24) Chloroform-d	5.030	84	219519	46.398	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.800%		
26) 1,2-Dichloroethane-d4	5.673	65	151301	48.633	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.260%		
32) Benzene-d6	5.695	84	436142	47.752	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.500%		
36) 1,2-Dichloropropane-d6	6.663	67	132505	49.418	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.840%		
41) Toluene-d8	7.872	98	401140	46.257	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.520%		
43) trans-1,3-Dichloroprop...	8.155	79	50072	45.190	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.380%		
47) 2-Hexanone-d5	8.611	63	86115	88.334	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.330%		
56) 1,1,2,2-Tetrachloroeth...	10.730	84	189650	48.366	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.740%		
66) 1,2-Dichlorobenzene-d4	12.168	152	143294	49.503	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.000%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063776.D
Acq On : 24 Nov 2025 14:33
Operator : MD/SY
Sample : VU1124WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK132

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

Signal : TIC: VU063776.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.583	84	91	102	rBV	183402	201437	15.30%	2.009%
2	1.895	179	188	200	rBV	139942	182532	13.86%	1.820%
3	2.541	377	389	409	rBV	280532	461259	35.03%	4.600%
4	2.760	453	457	458	rBV2	1006	668	0.05%	0.007%
5	2.878	491	494	497	rBV3	467	269	0.02%	0.003%
6	2.901	498	501	509	rBV	355	382	0.03%	0.004%
7	3.010	528	535	536	rBV2	2503	1975	0.15%	0.020%
8	3.075	553	555	559	rVB2	442	280	0.02%	0.003%
9	3.113	565	567	571	rBV	313	251	0.02%	0.003%
10	3.152	571	579	583	rBV2	1425	2016	0.15%	0.020%
11	3.329	628	634	636	rBV3	1129	1167	0.09%	0.012%
12	3.486	680	683	686	rBV2	329	247	0.02%	0.002%
13	3.695	744	748	754	rVB2	242	296	0.02%	0.003%
14	3.734	754	760	765	rBV2	242	346	0.03%	0.003%
15	4.042	852	856	863	rVB2	294	374	0.03%	0.004%
16	4.595	1019	1028	1056	rBV	87697	243556	18.50%	2.429%
17	5.030	1145	1163	1199	rBV	227142	533138	40.49%	5.317%
18	5.351	1258	1263	1264	rBV2	637	500	0.04%	0.005%
19	5.396	1273	1277	1283	rBV3	451	474	0.04%	0.005%
20	5.489	1303	1306	1309	rBV2	311	259	0.02%	0.003%
21	5.695	1350	1370	1409	rBV2	443402	1316716	100.00%	13.132%
22	5.956	1448	1451	1454	rVB3	1038	690	0.05%	0.007%
23	5.975	1454	1457	1460	rVB2	336	271	0.02%	0.003%
24	6.001	1462	1465	1468	rBV2	314	257	0.02%	0.003%
25	6.222	1521	1534	1570	rBV	370835	778883	59.15%	7.768%
26	6.512	1614	1624	1635	rBV6	5953	11808	0.90%	0.118%
27	6.660	1657	1670	1705	rBV	278556	587908	44.65%	5.863%
28	7.004	1772	1777	1784	rVV2	289	367	0.03%	0.004%
29	7.081	1799	1801	1805	rVB	370	250	0.02%	0.002%
30	7.171	1823	1829	1830	rBV	260	242	0.02%	0.002%
31	7.200	1834	1838	1843	rVV2	506	533	0.04%	0.005%
32	7.274	1859	1861	1866	rVV2	385	322	0.02%	0.003%
33	7.541	1932	1944	1967	rBV	135013	254293	19.31%	2.536%
34	7.660	1978	1981	1983	rBV2	410	252	0.02%	0.003%
35	7.737	2000	2005	2007	rVB2	588	419	0.03%	0.004%
36	7.769	2011	2015	2016	rBV3	665	432	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063776.D
Acq On : 24 Nov 2025 14:33
Operator : MD/SY
Sample : VU1124WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK132

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

37	7.785	2016	2020	2033	rVB7	1276	1894	0.14%	0.019%
38	7.872	2034	2047	2084	rBV	569075	1070932	81.33%	10.680%
39	8.155	2125	2135	2156	rBV2	86076	158417	12.03%	1.580%
40	8.332	2188	2190	2194	rVB3	348	272	0.02%	0.003%
41	8.377	2200	2204	2206	rBV2	600	577	0.04%	0.006%
42	8.402	2210	2212	2216	rVB	412	259	0.02%	0.003%
43	8.531	2242	2252	2264	rVB7	1775	2884	0.22%	0.029%
44	8.615	2264	2278	2319	rBV3	217586	571061	43.37%	5.695%
45	9.139	2436	2441	2443	rBV	407	368	0.03%	0.004%
46	9.283	2479	2486	2490	rBV2	358	416	0.03%	0.004%
47	9.338	2499	2503	2507	rVB	262	237	0.02%	0.002%
48	9.393	2507	2520	2559	rBV	543575	992474	75.37%	9.898%
49	9.550	2564	2569	2578	rVV3	2180	3282	0.25%	0.033%
50	9.586	2578	2580	2583	rVB2	591	260	0.02%	0.003%
51	9.679	2601	2609	2617	rBV3	2086	3418	0.26%	0.034%
52	9.743	2626	2629	2634	rBV	348	362	0.03%	0.004%
53	10.094	2726	2738	2742	rBV7	2006	4027	0.31%	0.040%
54	10.164	2755	2760	2762	rBV2	344	275	0.02%	0.003%
55	10.222	2774	2778	2781	rVB2	358	233	0.02%	0.002%
56	10.290	2796	2799	2802	rVB	450	281	0.02%	0.003%
57	10.463	2844	2853	2863	rVB4	2005	3177	0.24%	0.032%
58	10.598	2887	2895	2897	rBV2	296	311	0.02%	0.003%
59	10.730	2923	2936	2956	rBV	391115	654573	49.71%	6.528%
60	10.843	2966	2971	2976	rVB3	406	466	0.04%	0.005%
61	10.875	2979	2981	2984	rVV2	361	233	0.02%	0.002%
62	10.904	2987	2990	2993	rVB2	318	243	0.02%	0.002%
63	10.930	2993	2998	3002	rVB2	254	258	0.02%	0.003%
64	10.952	3002	3005	3009	rBV2	290	269	0.02%	0.003%
65	11.013	3018	3024	3026	rBV	236	256	0.02%	0.003%
66	11.065	3034	3040	3041	rBV2	1800	1492	0.11%	0.015%
67	11.248	3089	3097	3101	rBV2	256	353	0.03%	0.004%
68	11.367	3130	3134	3138	rBV	266	315	0.02%	0.003%
69	11.451	3153	3160	3173	rVB3	3080	4510	0.34%	0.045%
70	11.727	3238	3246	3253	rBV3	4429	6713	0.51%	0.067%
71	11.788	3253	3265	3291	rVV	554039	955193	72.54%	9.526%
72	11.959	3316	3318	3323	rVB4	463	363	0.03%	0.004%
73	12.168	3370	3383	3408	rBV	545750	936641	71.13%	9.341%
74	12.393	3450	3453	3456	rBV2	542	413	0.03%	0.004%
75	12.422	3460	3462	3469	rVB2	488	470	0.04%	0.005%
76	12.454	3469	3472	3477	rBV2	338	306	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063776.D
Acq On : 24 Nov 2025 14:33
Operator : MD/SY
Sample : VU1124WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VBLK132

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Title : VOC Analysis

77	12.479	3477	3480	3484	rVB2	400	313	0.02%	0.003%
78	12.508	3484	3489	3493	rBV2	523	491	0.04%	0.005%
79	12.586	3504	3513	3517	rBV2	336	440	0.03%	0.004%
80	12.859	3593	3598	3602	rBV2	358	293	0.02%	0.003%
81	12.888	3602	3607	3611	rVB2	436	453	0.03%	0.005%
82	12.920	3612	3617	3619	rBV2	390	350	0.03%	0.003%
83	12.994	3637	3640	3643	rVV2	566	443	0.03%	0.004%
84	13.055	3656	3659	3665	rVB2	479	447	0.03%	0.004%
85	13.132	3679	3683	3686	rBV3	393	343	0.03%	0.003%
86	13.203	3697	3705	3718	rBV5	4125	7109	0.54%	0.071%
87	13.447	3776	3781	3784	rBV3	538	605	0.05%	0.006%
88	13.743	3870	3873	3877	rBV2	357	313	0.02%	0.003%
89	13.791	3885	3888	3889	rBV2	462	278	0.02%	0.003%
90	13.823	3890	3898	3907	rVB3	7927	11944	0.91%	0.119%
91	14.071	3966	3975	3985	rBV2	12105	21628	1.64%	0.216%
92	14.264	4031	4035	4038	rBV4	521	363	0.03%	0.004%
93	14.309	4038	4049	4058	rBV4	8189	14317	1.09%	0.143%
94	14.373	4066	4069	4074	rVB2	505	386	0.03%	0.004%
95	14.663	4157	4159	4166	rVB3	395	255	0.02%	0.003%
96	14.743	4181	4184	4188	rBV3	527	365	0.03%	0.004%
97	15.193	4322	4324	4329	rVB3	608	337	0.03%	0.003%
98	15.418	4392	4394	4399	rBV4	590	467	0.04%	0.005%
99	15.511	4421	4423	4424	rBV	539	249	0.02%	0.002%
100	15.637	4458	4462	4467	rBV5	1106	1280	0.10%	0.013%

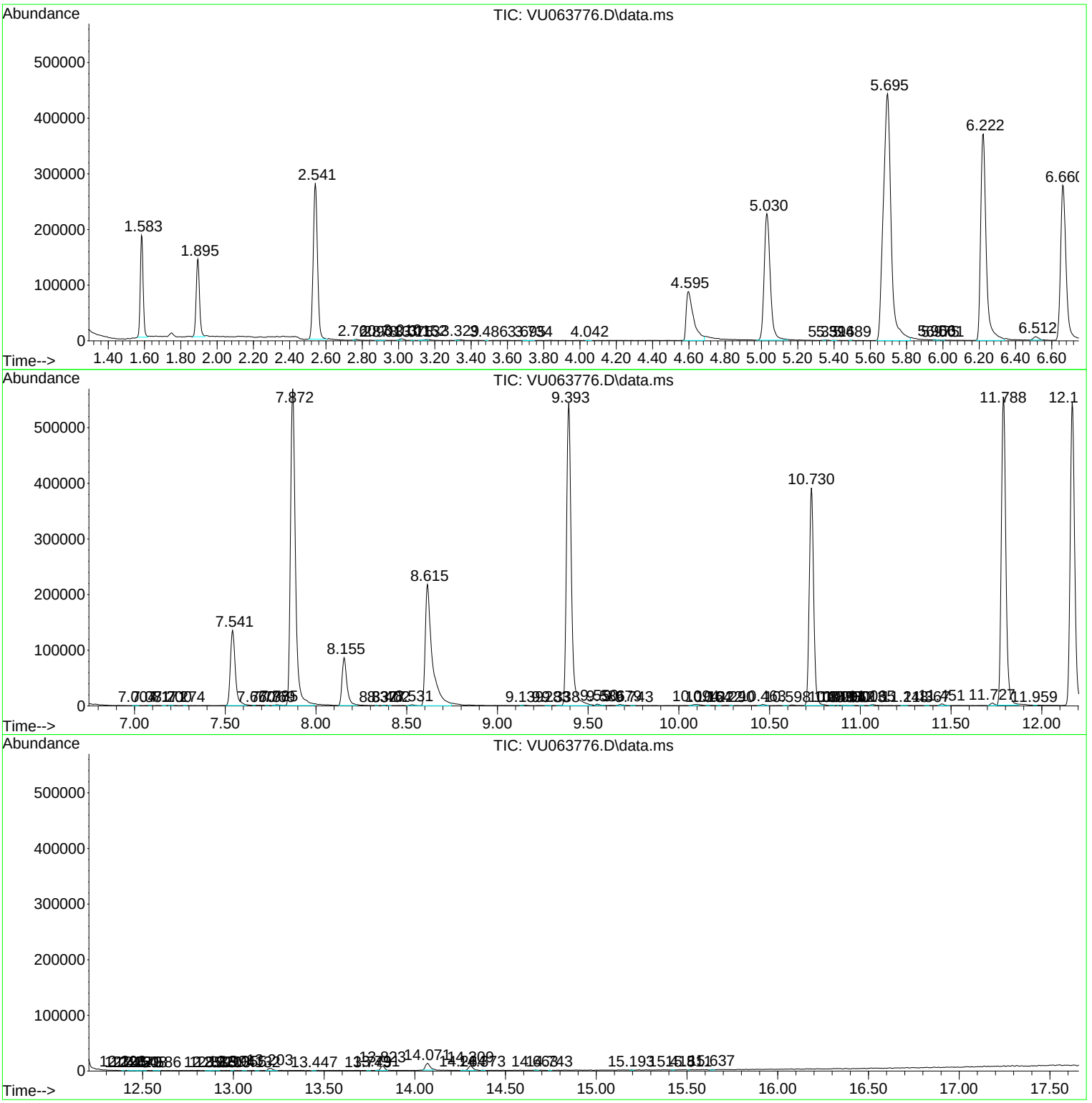
Sum of corrected areas: 10027022

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063776.D
Acq On : 24 Nov 2025 14:33
Operator : MD/SY
Sample : VU1124WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK132

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063776.D
Acq On : 24 Nov 2025 14:33
Operator : MD/SY
Sample : VU1124WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK132

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
Data File : VU063776.D
Acq On : 24 Nov 2025 14:33
Operator : MD/SY
Sample : VU1124WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK132

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMS

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-02MS
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063768.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	50	
74-87-3	Chloromethane	47	
75-01-4	Vinyl chloride	50	
74-83-9	Bromomethane	52	
75-00-3	Chloroethane	50	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	49	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	
67-64-1	Acetone	59	
75-15-0	Carbon disulfide	41	
79-20-9	Methyl Acetate	51	
75-09-2	Methylene chloride	50	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl tert-butyl Ether	51	
75-34-3	1,1-Dichloroethane	50	
156-59-2	cis-1,2-Dichloroethene	50	
78-93-3	2-Butanone	76	
74-97-5	Bromochloromethane	52	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	48	
110-82-7	Cyclohexane	48	
56-23-5	Carbon tetrachloride	49	
71-43-2	Benzene	50	
107-06-2	1,2-Dichloroethane	53	
79-01-6	Trichloroethene	49	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMS

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-02MS
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063768.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	47	
78-87-5	1,2-Dichloropropane	51	
75-27-4	Bromodichloromethane	49	
10061-01-5	cis-1,3-Dichloropropene	47	
108-10-1	4-Methyl-2-pentanone	100	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	44	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	48	
591-78-6	2-Hexanone	92	
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	49	
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	49	
95-47-6	o-Xylene	50	
179601-23-1	m,p-Xylene	49	
100-42-5	Styrene	50	
75-25-2	Bromoform	44	
98-82-8	Isopropylbenzene	46	
96-18-4	1,2,3-Trichloropropane	48	
79-34-5	1,1,2,2-Tetrachloroethane	49	
541-73-1	1,3-Dichlorobenzene	45	
106-46-7	1,4-Dichlorobenzene	45	
95-50-1	1,2-Dichlorobenzene	46	
96-12-8	1,2-Dibromo-3-chloropropane	45	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMS

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-02MS
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063768.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

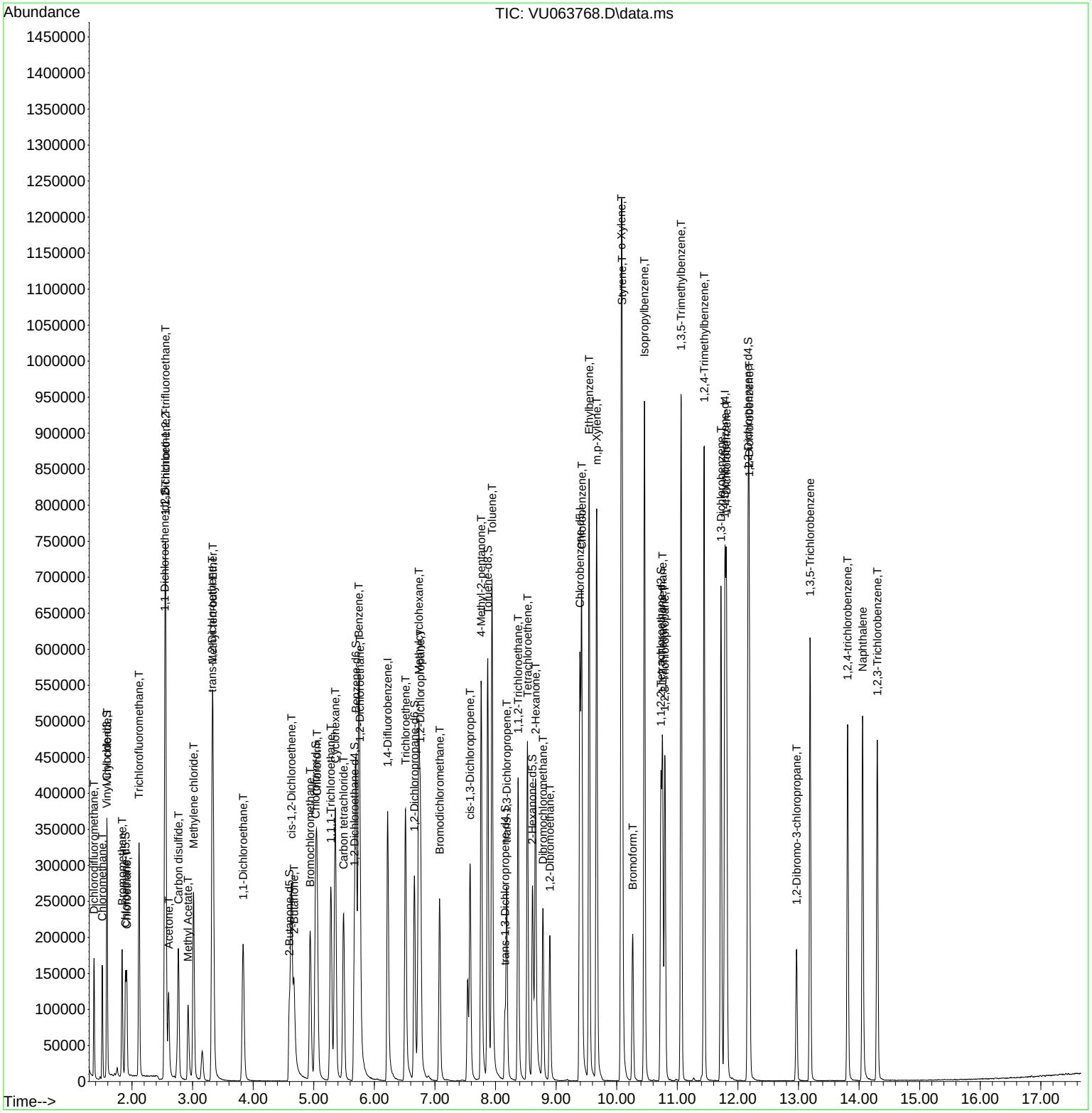
CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	46	
108-67-8	1,3,5-Trimethylbenzene	47	
120-82-1	1,2,4-trichlorobenzene	43	
87-61-6	1,2,3-Trichlorobenzene	44	

Quantitation Report (QT Reviewed)

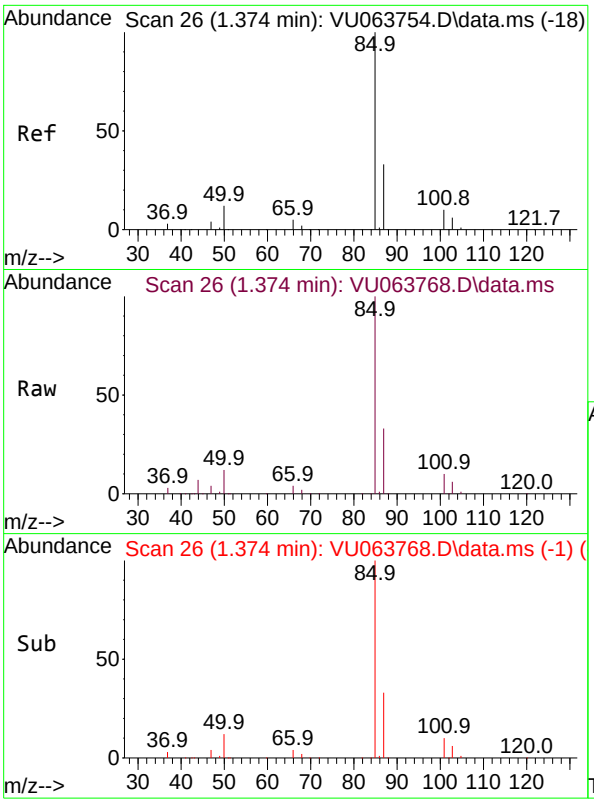
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Data File : VU063768.D
Acq On : 21 Nov 2025 14:33
Operator : MD/SY
Sample : Q3688-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

Quant Time: Nov 21 22:31:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



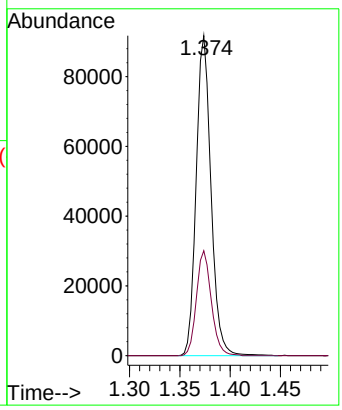
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

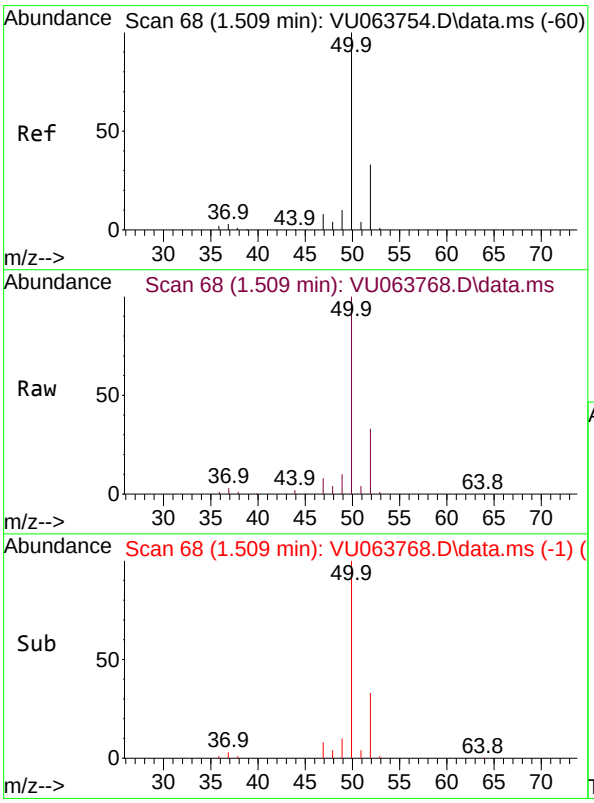


#2
Dichlorodifluoromethane
Concen: 49.901 ug/L
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 85 Resp: 93824

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.2	39.2

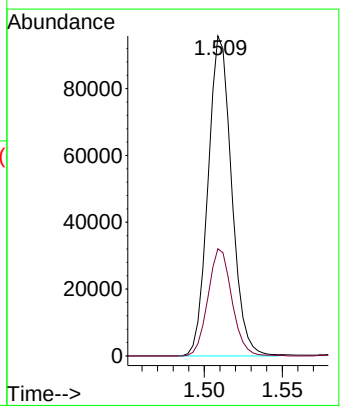


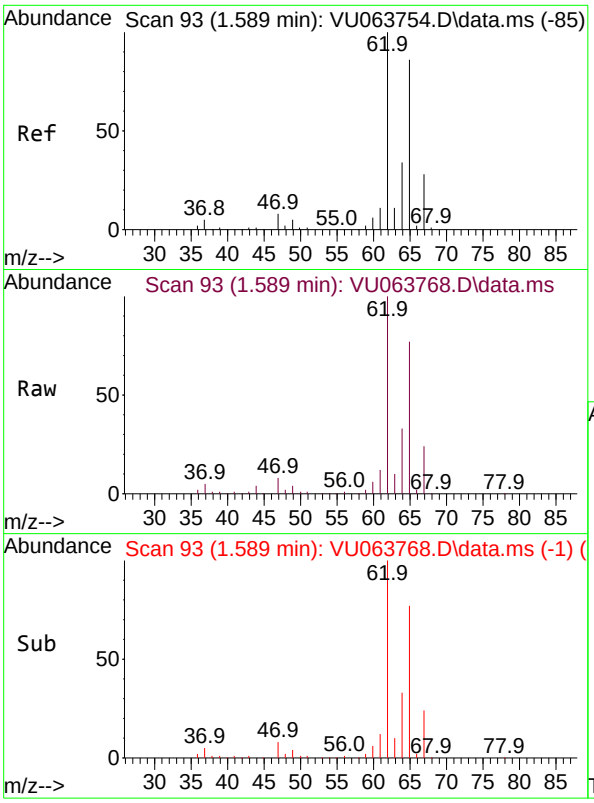


#3
Chloromethane
Concen: 47.213 ug/L
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 50 Resp: 100439

Ion	Ratio	Lower	Upper
50	100		
52	33.5	23.2	43.2

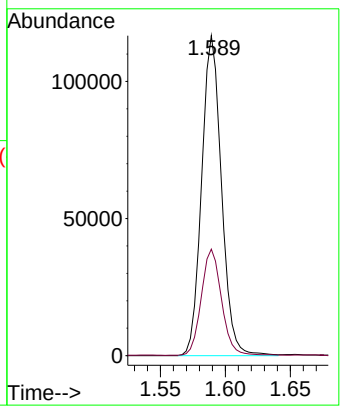




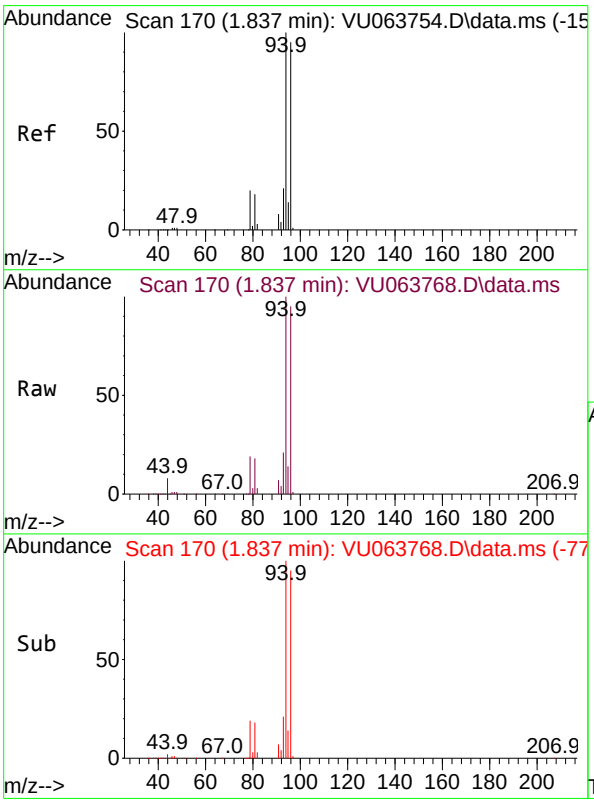
#5
Vinyl chloride
Concen: 49.955 ug/L
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 62 Resp: 123564

Ion	Ratio	Lower	Upper
62	100		
64	33.3	23.2	43.2



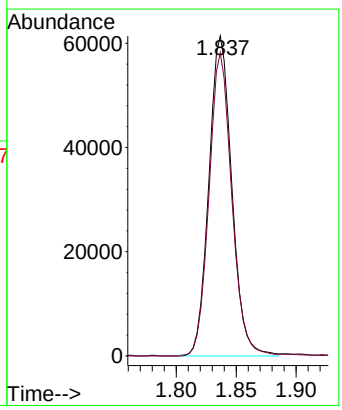
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS



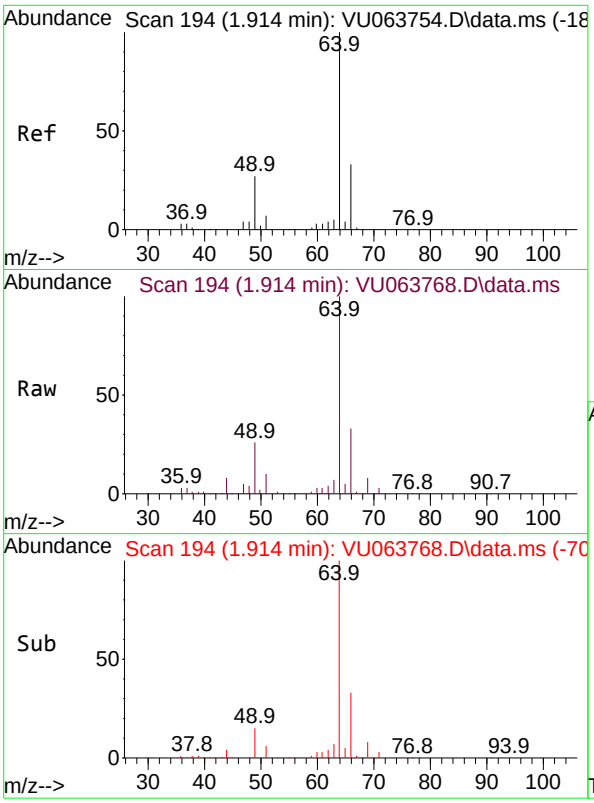
#6
Bromomethane
Concen: 52.211 ug/L
RT: 1.837 min Scan# 170
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 94 Resp: 81841

Ion	Ratio	Lower	Upper
94	100		
96	94.7	63.8	118.4



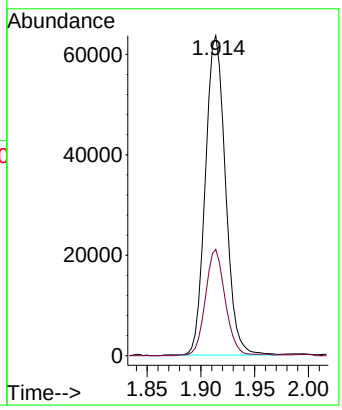
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

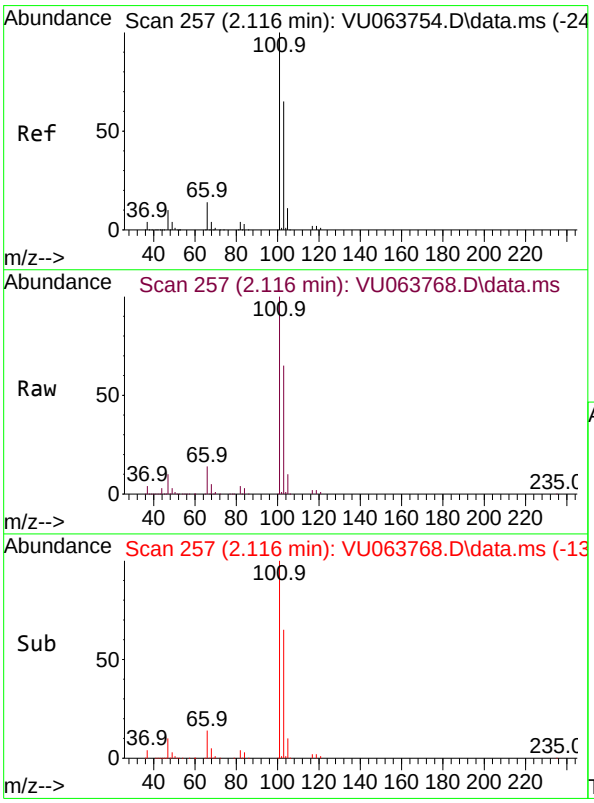


#8
Chloroethane
Concen: 50.145 ug/L
RT: 1.914 min Scan# 194
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 64 Resp: 82792

Ion	Ratio	Lower	Upper
64	100		
66	33.2	22.4	41.6

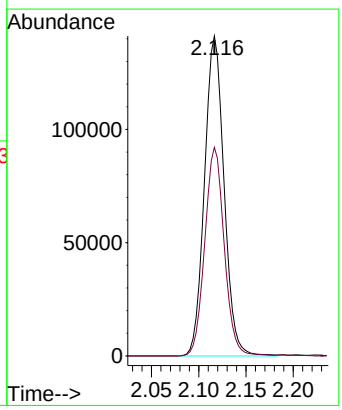


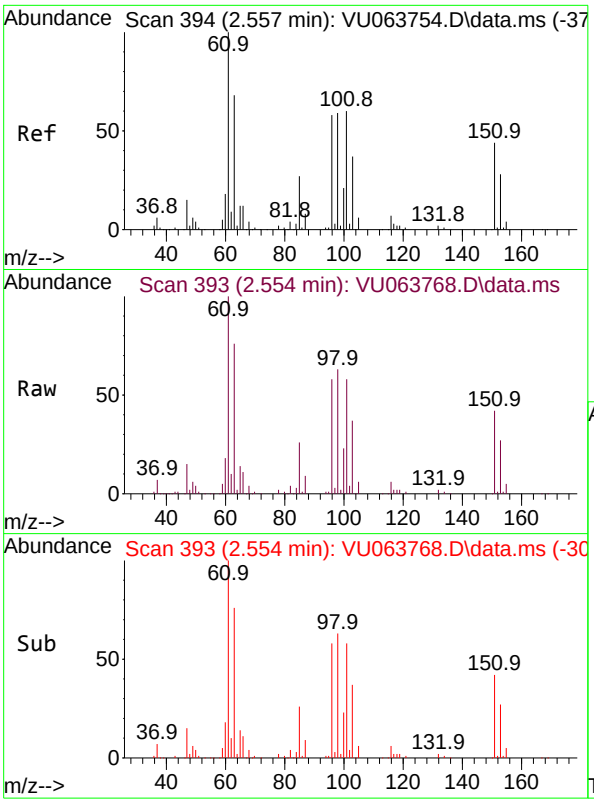


#9
Trichlorofluoromethane
Concen: 52.392 ug/L
RT: 2.116 min Scan# 257
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:101 Resp: 204395

Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.0	78.0

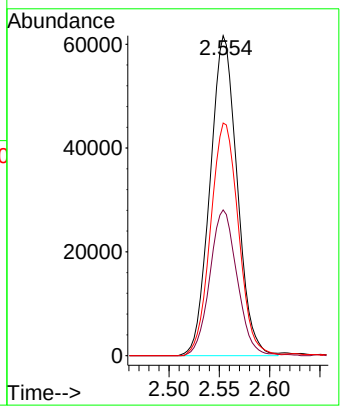




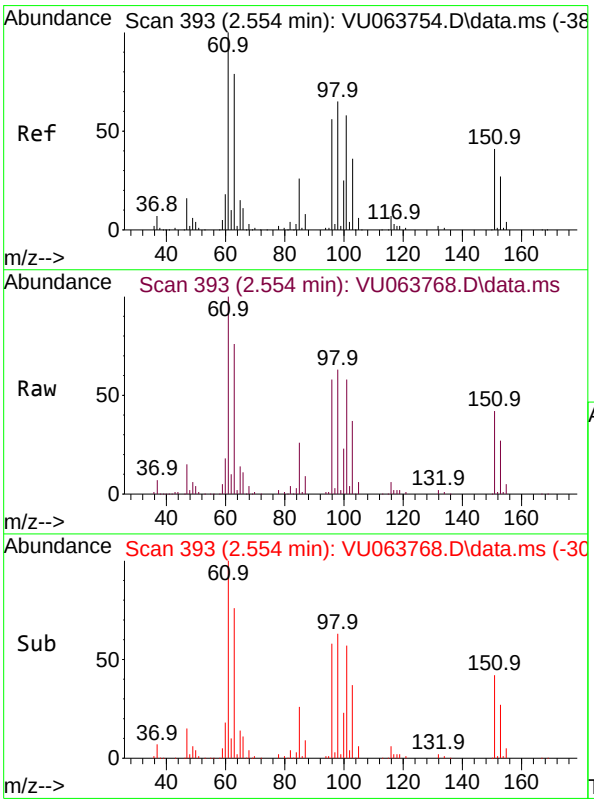
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.037 ug/L
RT: 2.554 min Scan# 393
Delta R.T. -0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:101 Resp: 115376

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.3	54.5
151	74.8	60.1	90.1



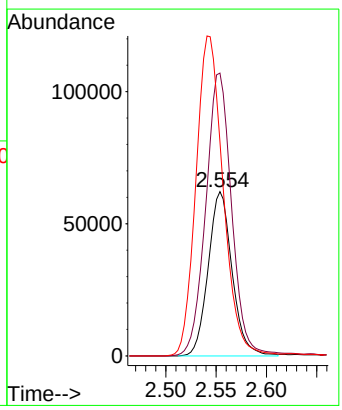
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS



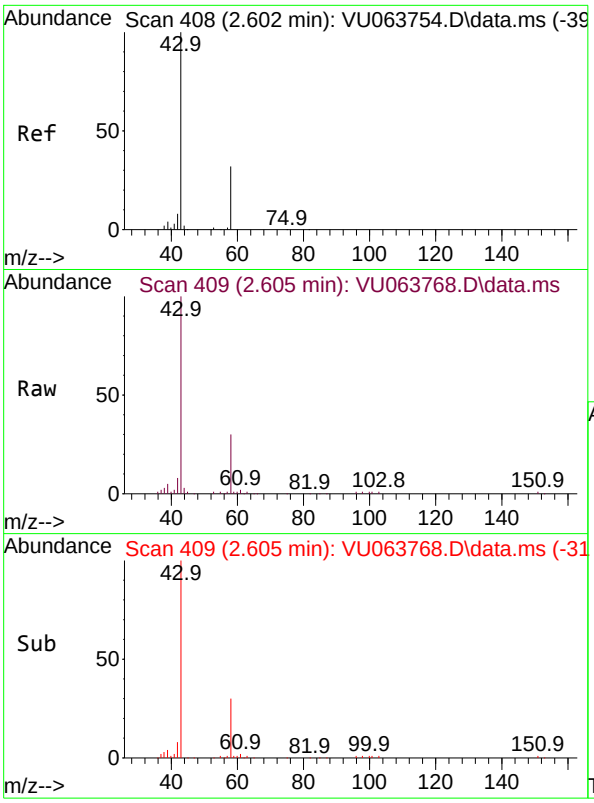
#12
1,1-Dichloroethene
Concen: 48.657 ug/L
RT: 2.554 min Scan# 393
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 96 Resp: 102611

Ion	Ratio	Lower	Upper
96	100		
61	172.2	123.3	228.9
63	130.3	103.3	191.8



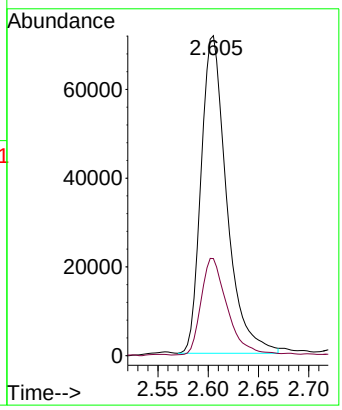
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

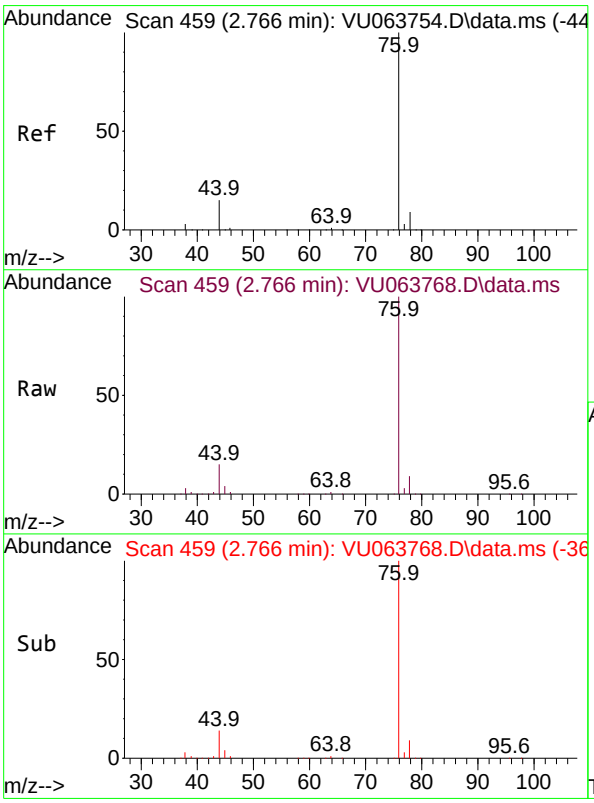


#13
Acetone
Concen: 58.924 ug/L
RT: 2.605 min Scan# 409
Delta R.T. 0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 43 Resp: 126830

Ion	Ratio	Lower	Upper
43	100		
58	31.2	0.0	63.4

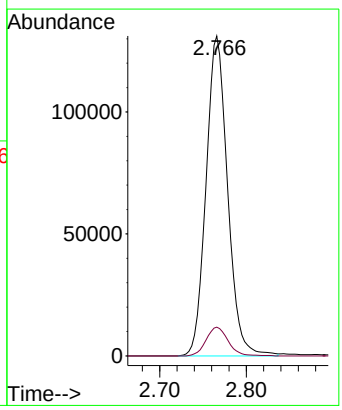




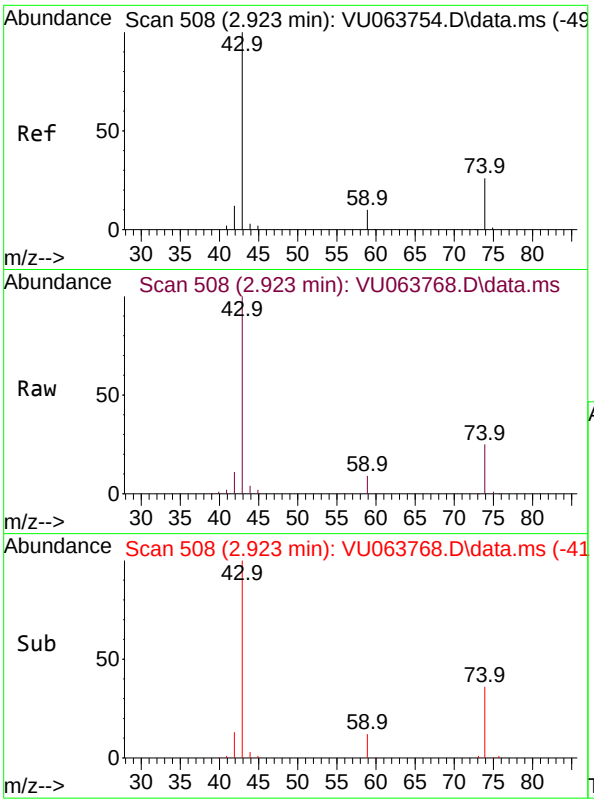
#14
Carbon disulfide
Concen: 41.284 ug/L
RT: 2.766 min Scan# 459
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 76 Resp: 226780

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.8	11.6



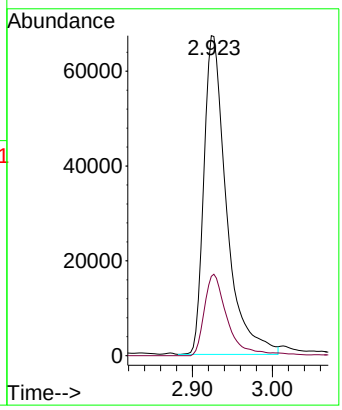
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

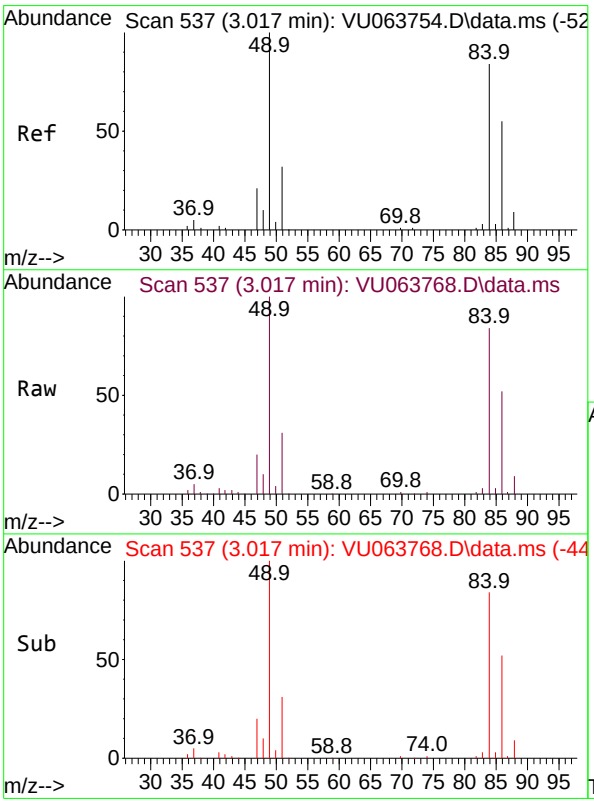


#15
Methyl Acetate
Concen: 51.139 ug/L
RT: 2.923 min Scan# 508
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 43 Resp: 132180

Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.5	30.7

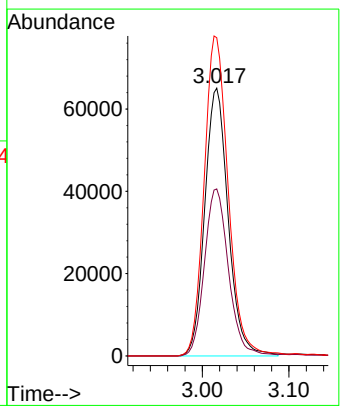


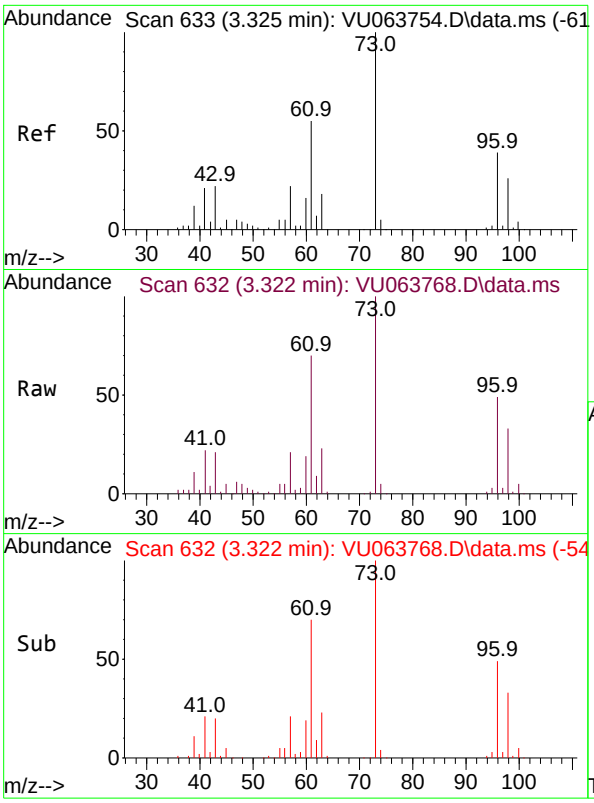


#16
Methylene chloride
Concen: 49.853 ug/L
RT: 3.017 min Scan# 537
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 84 Resp: 122560

Ion	Ratio	Lower	Upper
84	100		
86	62.4	45.2	84.0
49	118.8	83.6	155.2

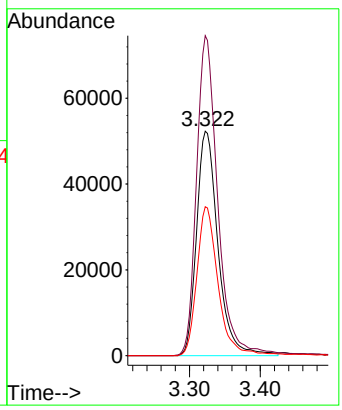




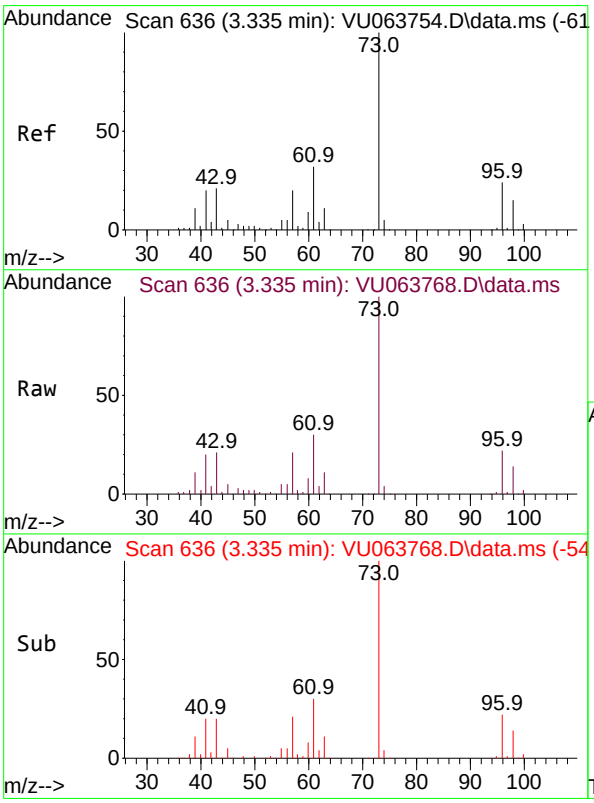
#17
trans-1,2-Dichloroethene
Concen: 48.913 ug/L
RT: 3.322 min Scan# 632
Delta R.T. -0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 96 Resp: 109976

Ion	Ratio	Lower	Upper
96	100		
61	142.6	92.7	172.1
98	66.3	43.2	80.2



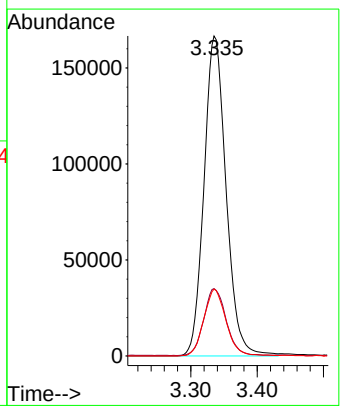
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS



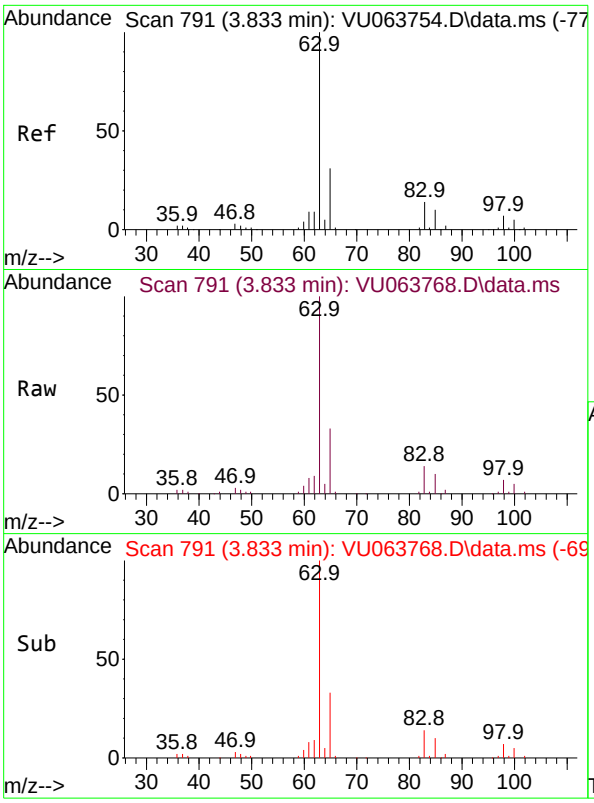
#18
Methyl tert-butyl Ether
Concen: 50.651 ug/L
RT: 3.335 min Scan# 636
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 73 Resp: 385418

Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.6	24.8
57	20.8	16.3	24.5



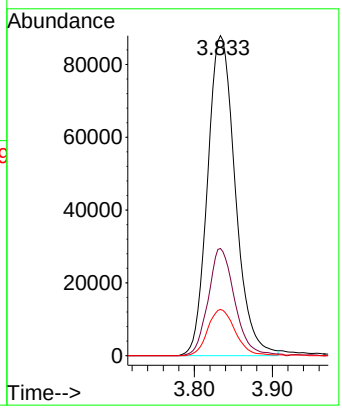
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

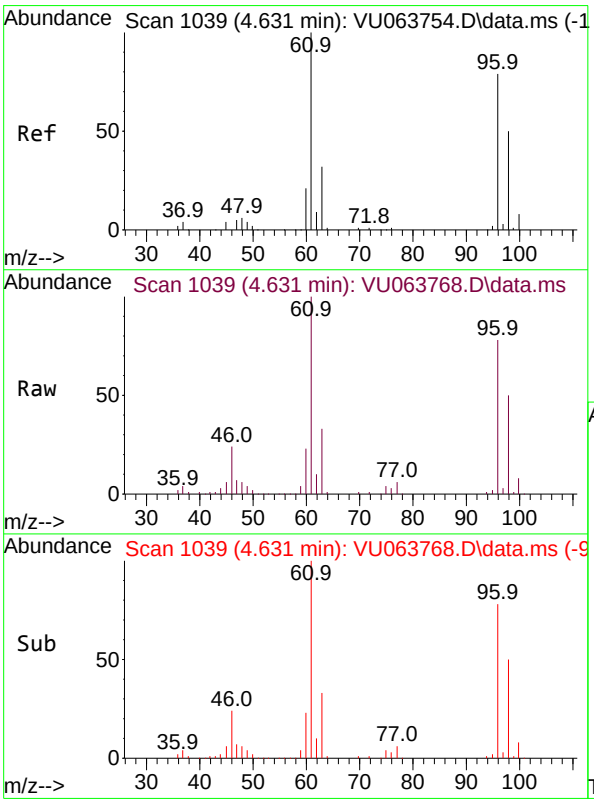


#19
1,1-Dichloroethane
Concen: 50.033 ug/L
RT: 3.833 min Scan# 791
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 63 Resp: 216764

Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.0	41.0
83	14.4	9.5	17.7

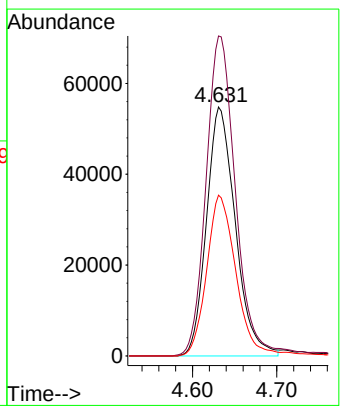


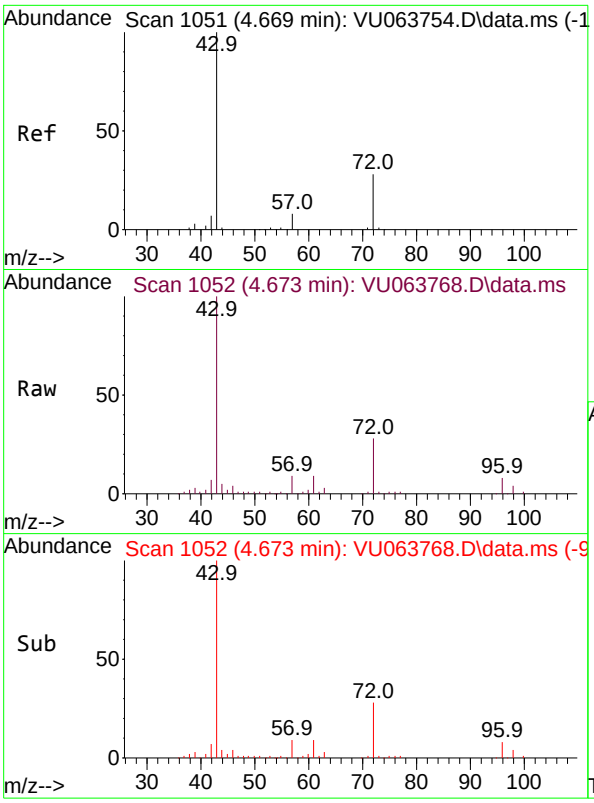


#20
cis-1,2-Dichloroethene
Concen: 50.453 ug/L
RT: 4.631 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 96 Resp: 130575

Ion	Ratio	Lower	Upper
96	100		
61	128.6	90.3	167.7
98	64.6	46.3	86.1

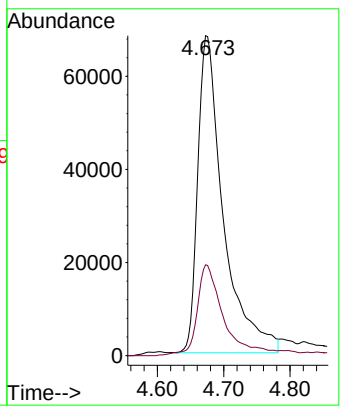




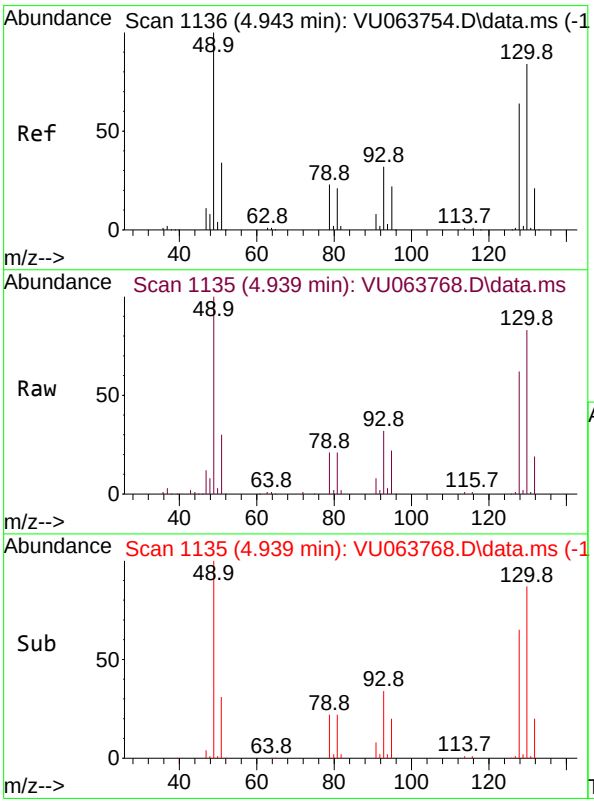
#22
2-Butanone
Concen: 76.284 ug/L
RT: 4.673 min Scan# 1052
Delta R.T. 0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 43 Resp: 182417

Ion	Ratio	Lower	Upper
43	100		
72	27.8	13.6	40.7



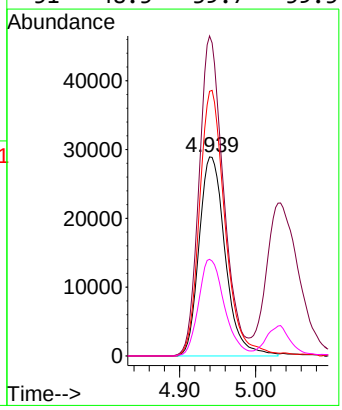
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS



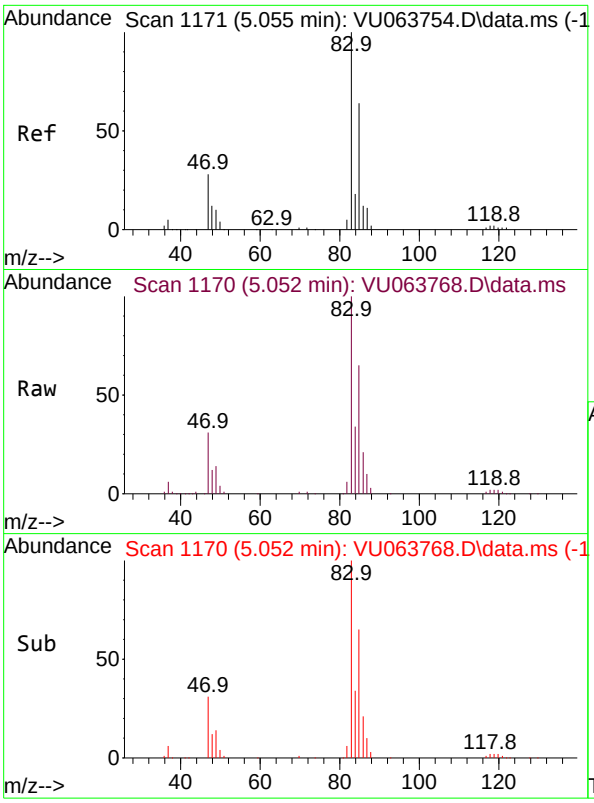
#23
Bromochloromethane
Concen: 51.875 ug/L
RT: 4.939 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:128 Resp: 69024

Ion	Ratio	Lower	Upper
128	100		
49	160.8	113.5	210.7
130	133.0	89.8	166.8
51	48.5	39.7	59.5



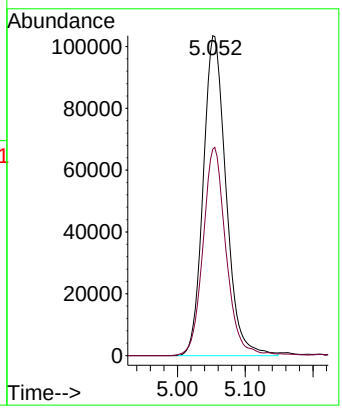
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

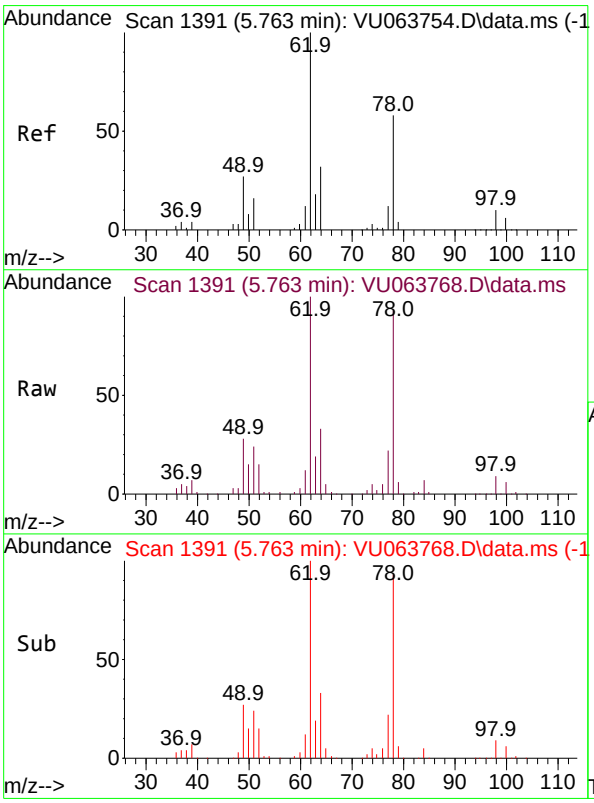


#25
Chloroform
Concen: 51.654 ug/L
RT: 5.052 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 83 Resp: 242236

Ion	Ratio	Lower	Upper
83	100		
85	64.5	45.4	84.4

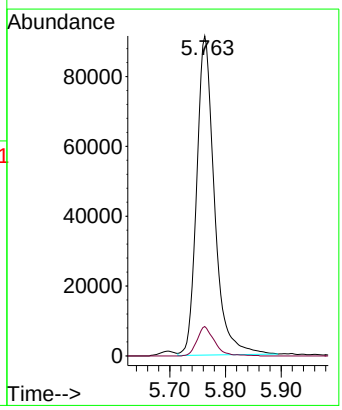


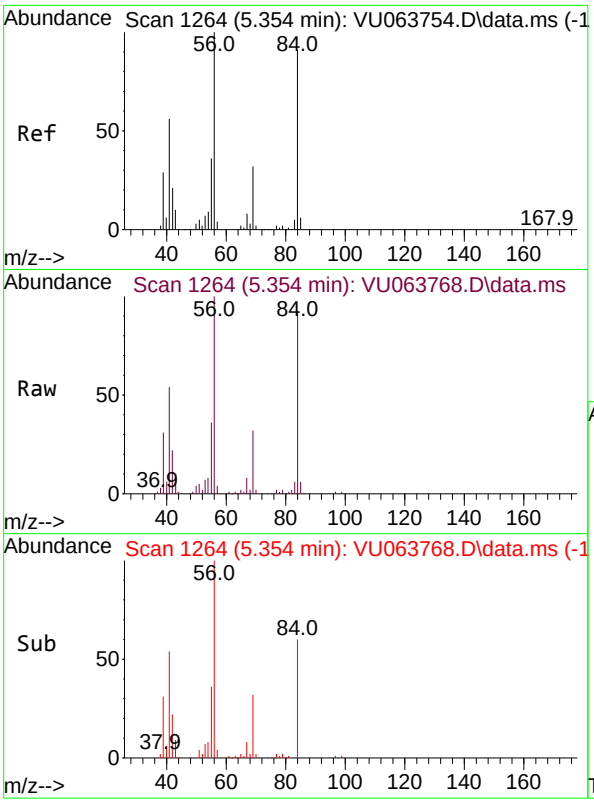


#27
1,2-Dichloroethane
Concen: 52.813 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 62 Resp: 202185

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.6	11.4

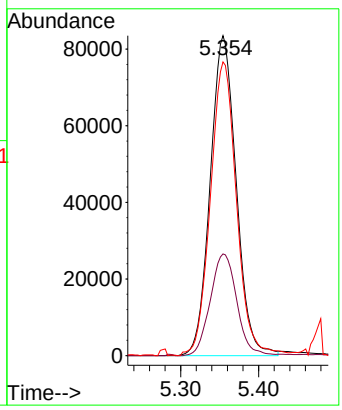




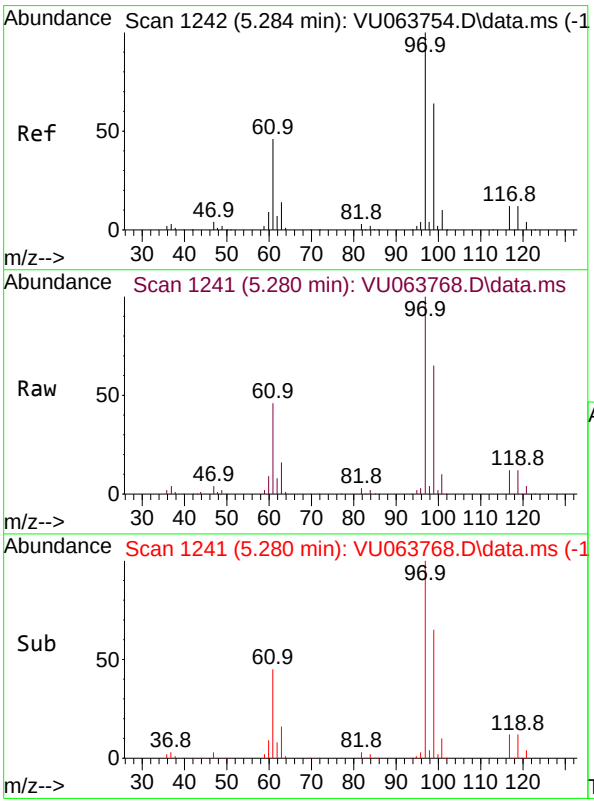
#29
Cyclohexane
Concen: 47.541 ug/L
RT: 5.354 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 56 Resp: 193150

Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.8
84	92.4	69.3	103.9



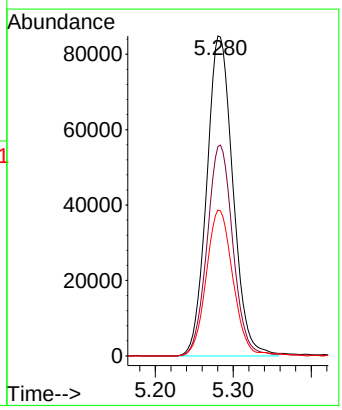
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

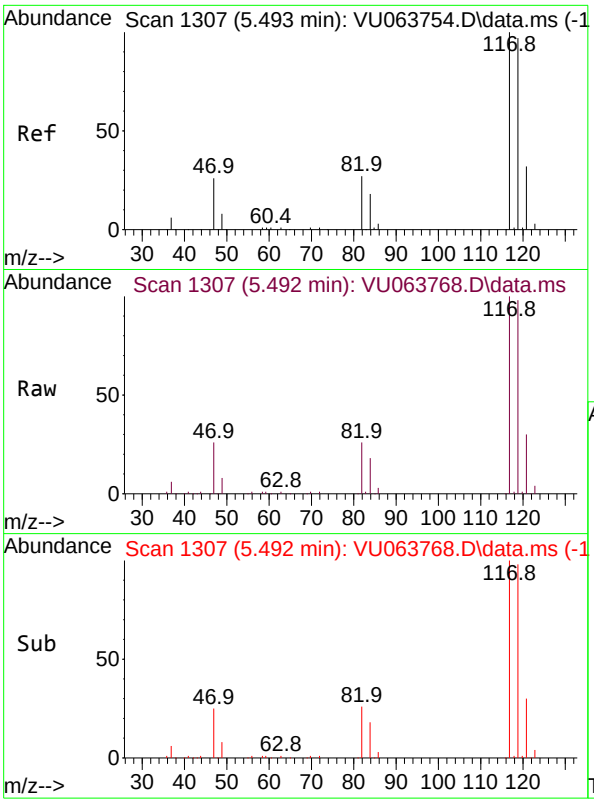


#30
1,1,1-Trichloroethane
Concen: 48.012 ug/L
RT: 5.280 min Scan# 1241
Delta R.T. -0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 97 Resp: 197970

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.7	76.1
61	45.9	37.2	55.8

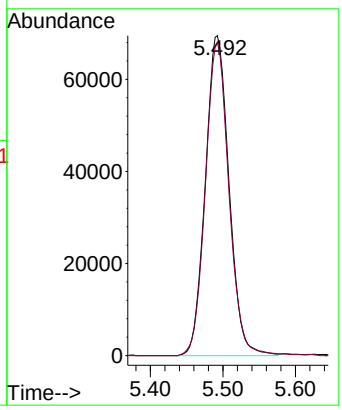




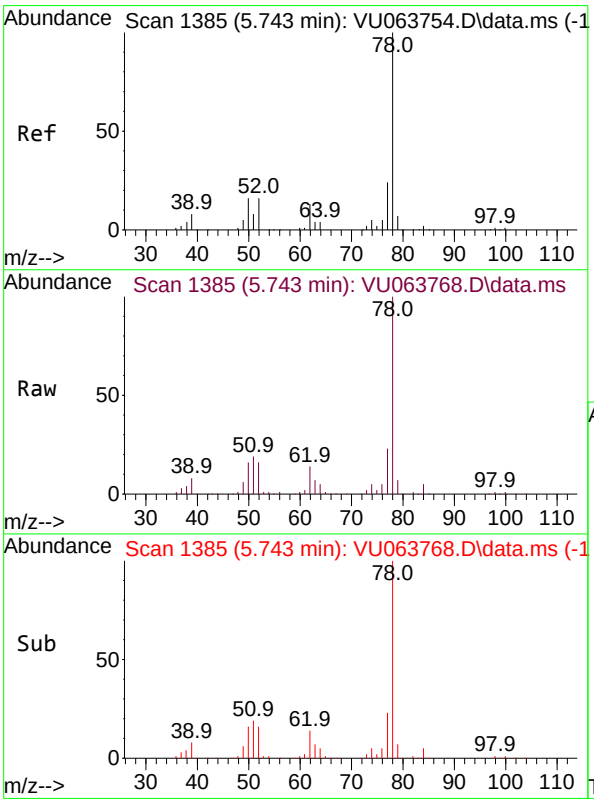
#31
Carbon tetrachloride
Concen: 48.707 ug/L
RT: 5.492 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:117 Resp: 157922

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.0	114.0

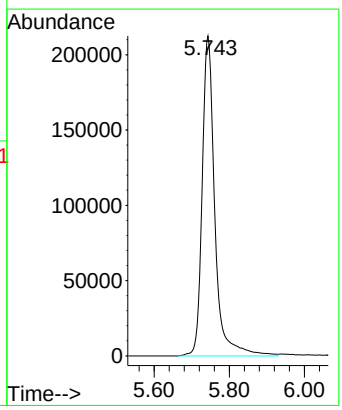


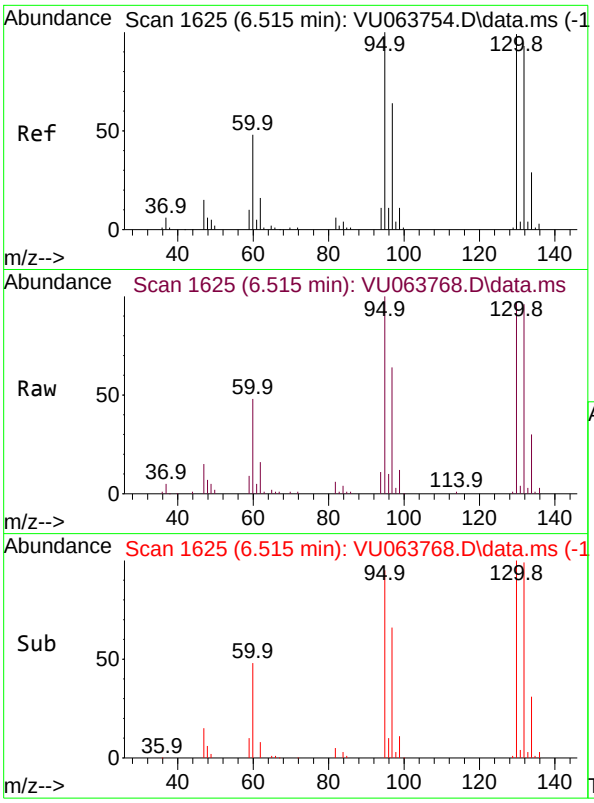
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS



#33
Benzene
Concen: 50.410 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 78 Resp: 496473

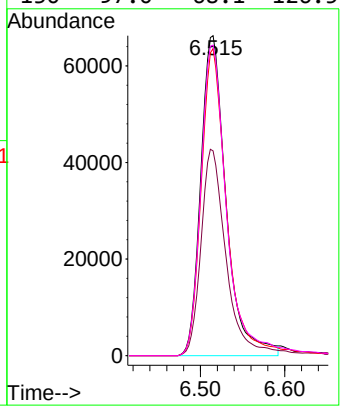




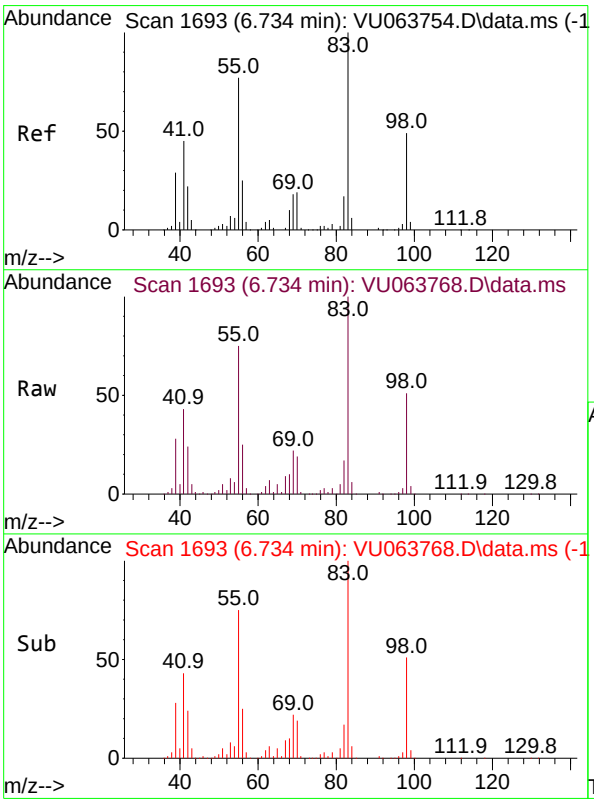
#34
Trichloroethene
Concen: 48.741 ug/L
RT: 6.515 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 95 Resp: 138387

Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.1	83.9
132	95.9	68.3	126.8
130	97.0	68.1	126.5



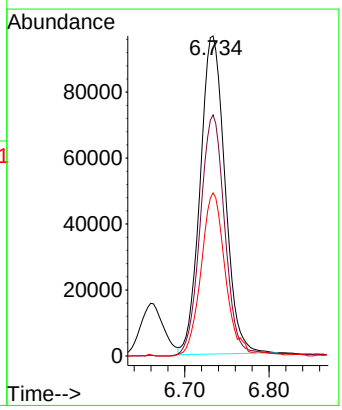
Instrument :
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ClientSampleId :
M-31SMS



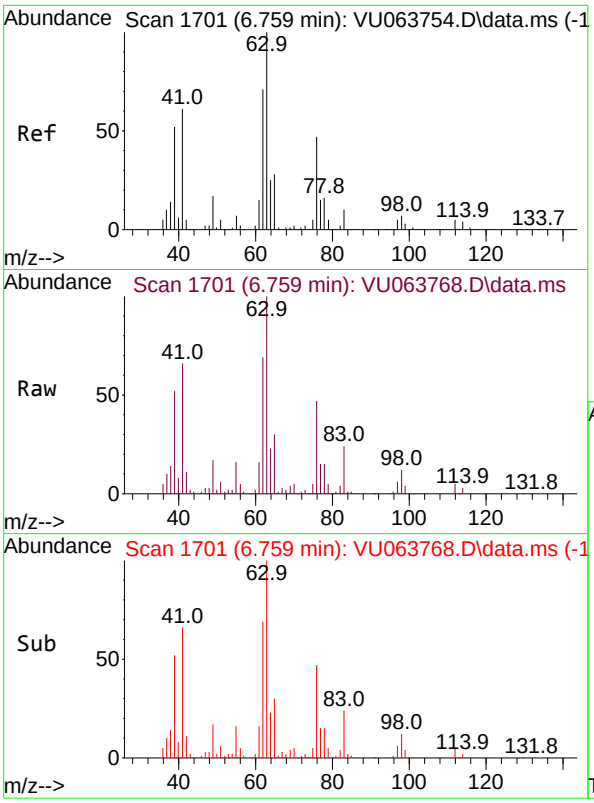
#35
Methylcyclohexane
Concen: 47.233 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 83 Resp: 196861

Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.9	91.3
98	49.8	39.7	59.5



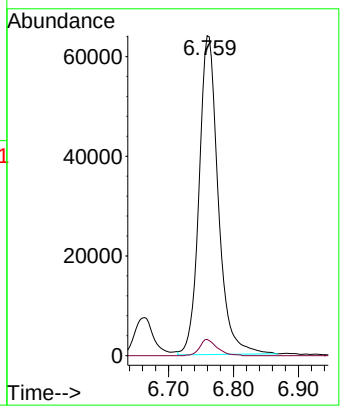
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

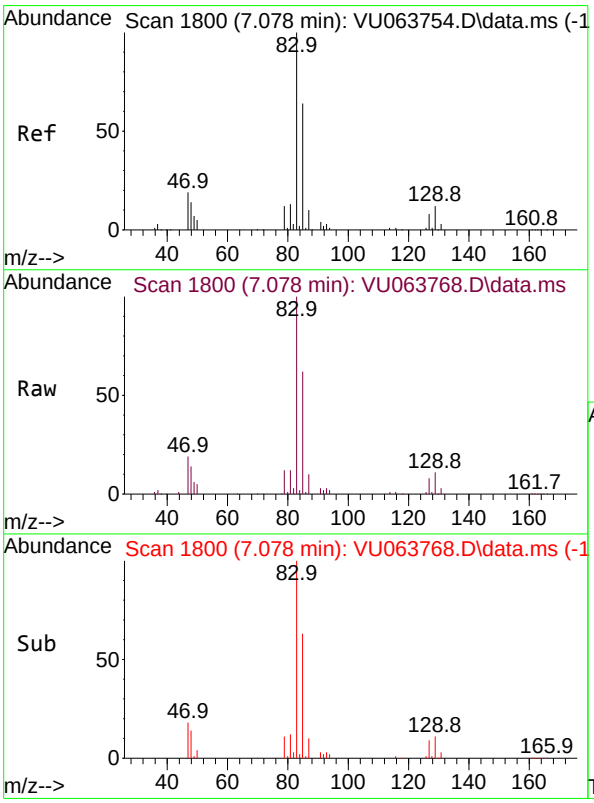


#37
1,2-Dichloropropane
Concen: 51.051 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 63 Resp: 130666

Ion	Ratio	Lower	Upper
63	100		
112	4.6	3.7	5.5

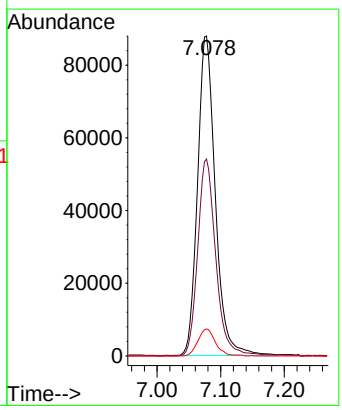




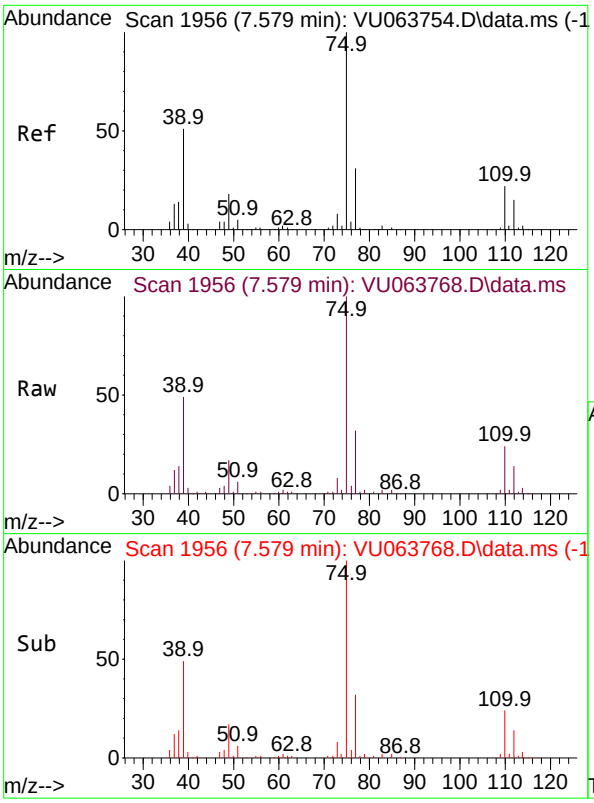
#38
Bromodichloromethane
Concen: 48.625 ug/L
RT: 7.078 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 83 Resp: 170425

Ion	Ratio	Lower	Upper
83	100		
85	61.5	43.1	80.1
127	9.2	6.6	10.0



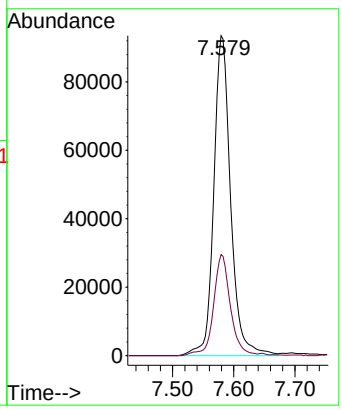
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MSVOA_U
ClientSampleId :
M-31SMS

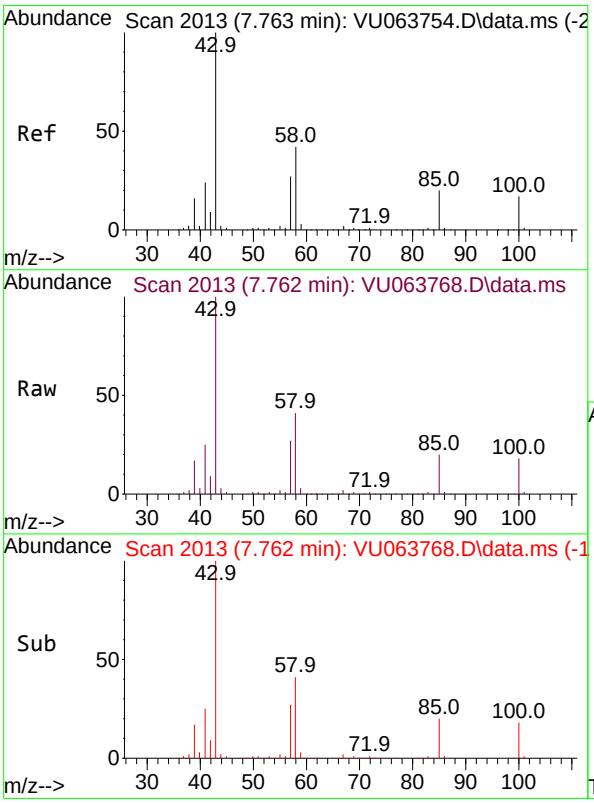


#39
cis-1,3-Dichloropropene
Concen: 47.203 ug/L
RT: 7.579 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 75 Resp: 179172

Ion	Ratio	Lower	Upper
75	100		
77	31.6	22.1	41.1

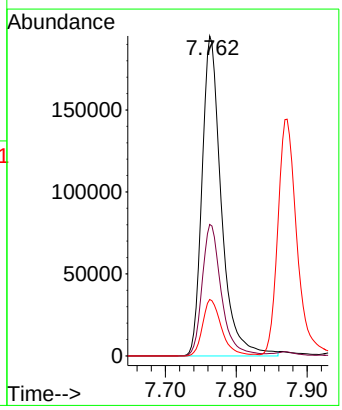


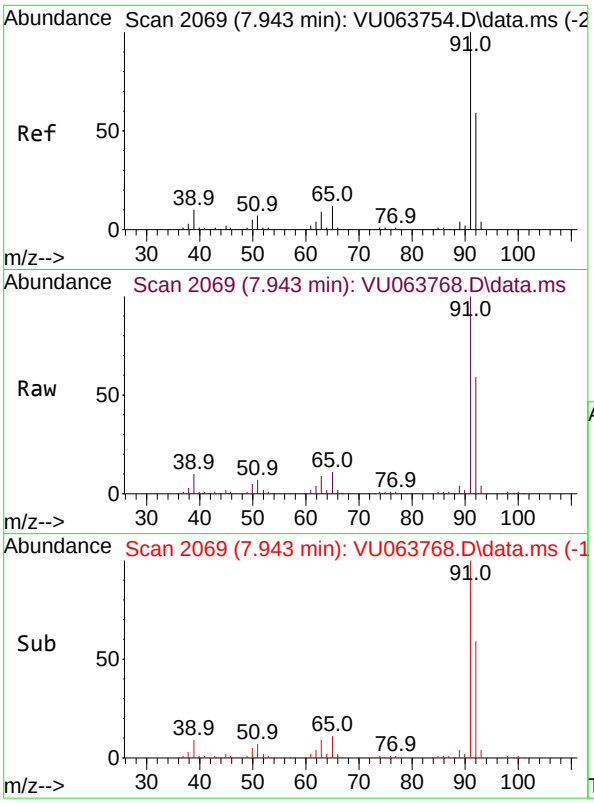


#40
4-Methyl-2-pentanone
Concen: 99.682 ug/L
RT: 7.762 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 43 Resp: 369297

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.9	49.3
100	17.2	13.9	20.9

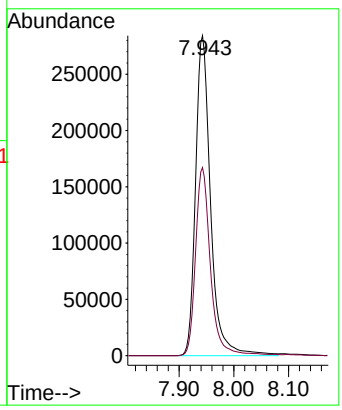




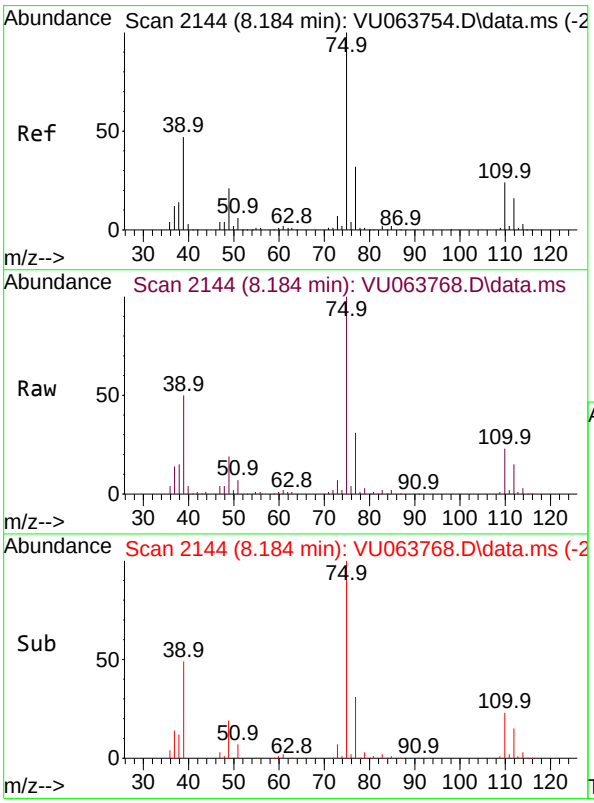
#42
Toluene
Concen: 49.795 ug/L
RT: 7.943 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 91 Resp: 541426

Ion	Ratio	Lower	Upper
91	100		
92	58.8	41.2	76.4



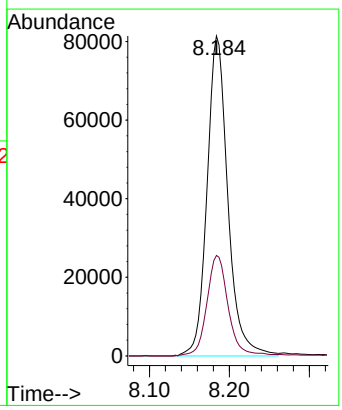
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MSVOA_U
ClientSampleId :
M-31SMS

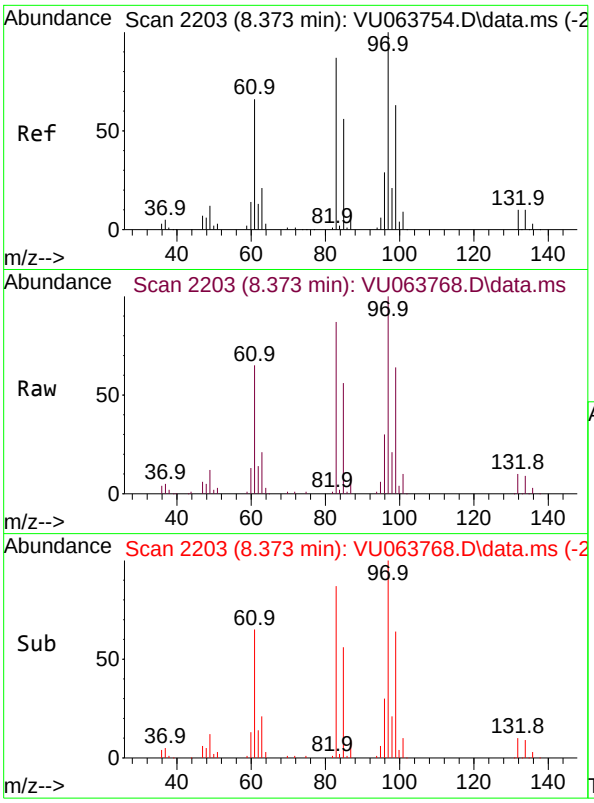


#44
trans-1,3-Dichloropropene
Concen: 44.351 ug/L
RT: 8.184 min Scan# 2144
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 75 Resp: 146953

Ion	Ratio	Lower	Upper
75	100		
77	31.4	21.4	39.8

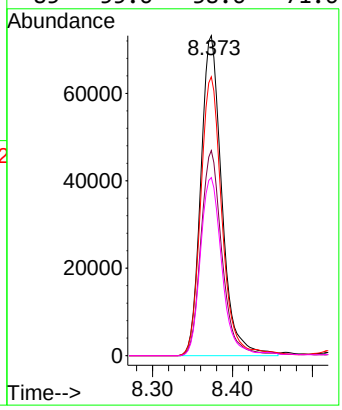




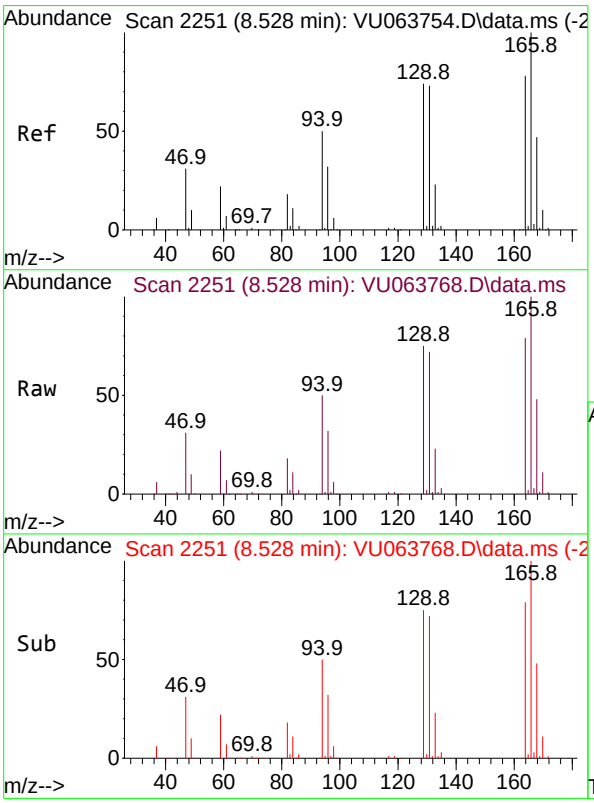
#45
1,1,2-Trichloroethane
Concen: 49.271 ug/L
RT: 8.373 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 97 Resp: 133367

Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.7	81.1
83	87.1	59.7	110.9
85	55.6	38.6	71.6



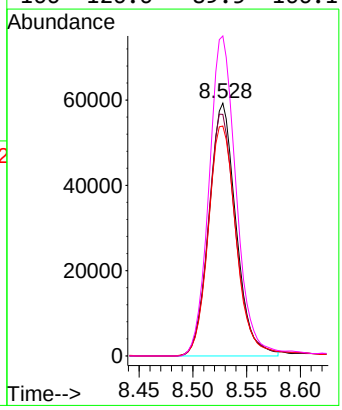
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

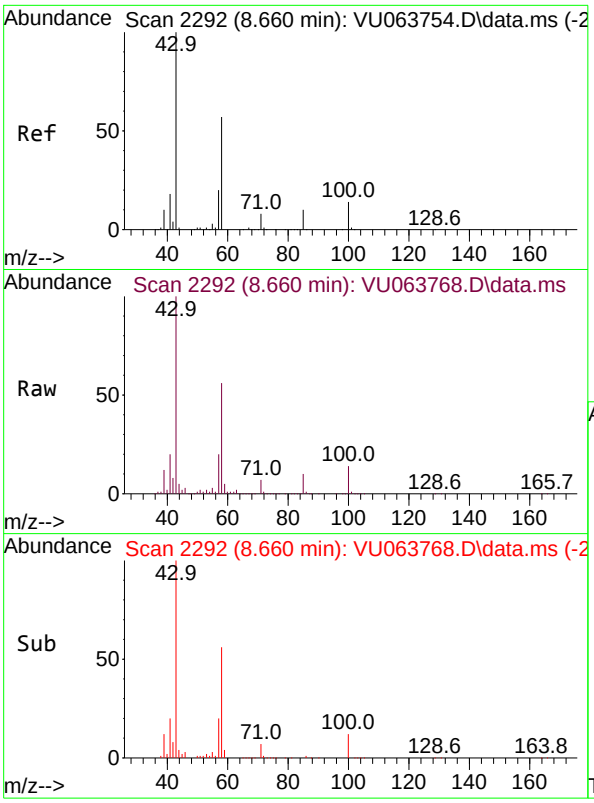


#46
Tetrachloroethene
Concen: 47.689 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:164 Resp: 103546

Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.5	127.3
131	91.0	64.3	119.3
166	126.6	89.5	166.1

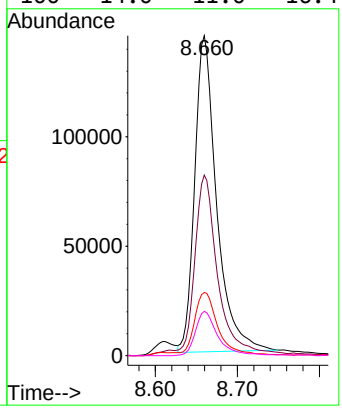




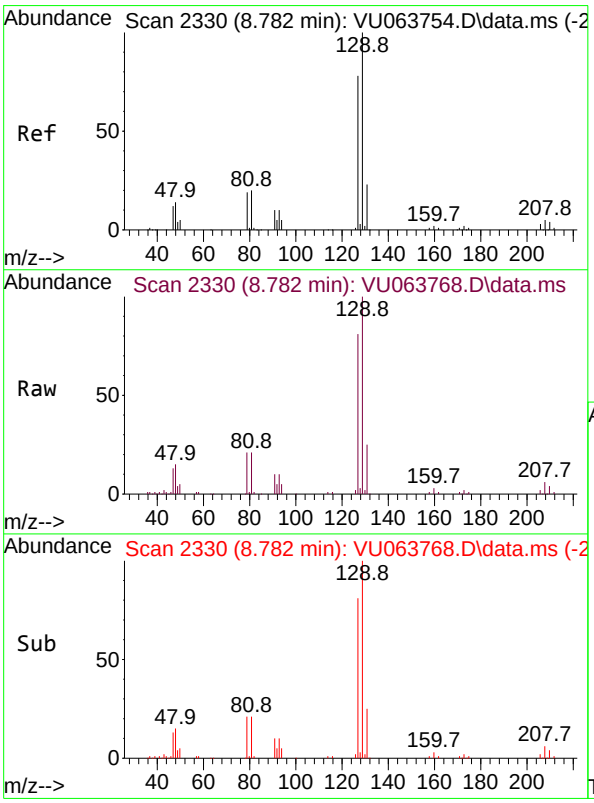
#48
2-Hexanone
Concen: 92.429 ug/L
RT: 8.660 min Scan# 2292
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 43 Resp: 268767

Ion	Ratio	Lower	Upper
43	100		
58	59.1	44.8	67.2
57	19.9	16.6	24.8
100	14.0	11.0	16.4



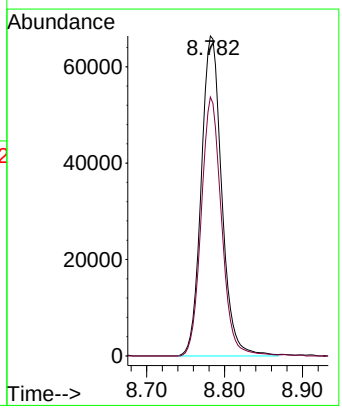
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

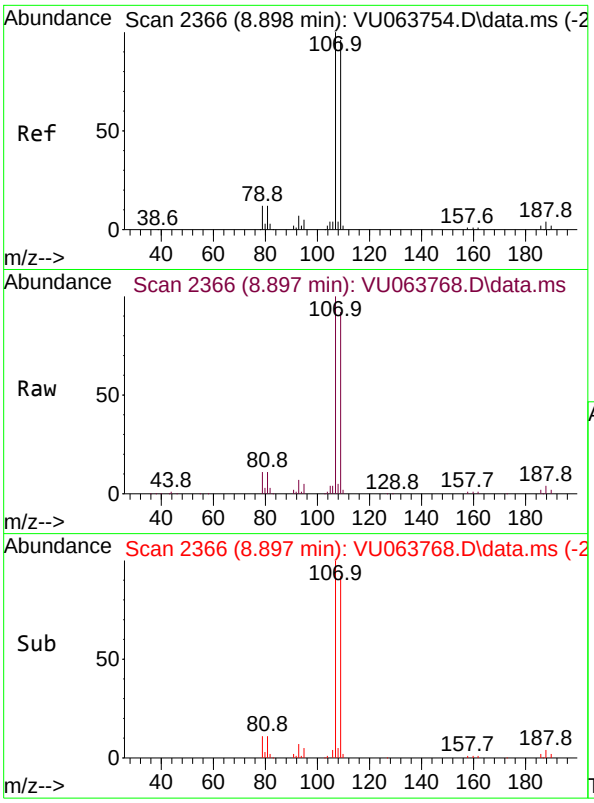


#49
Dibromochloromethane
Concen: 46.452 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:129 Resp: 121427

Ion	Ratio	Lower	Upper
129	100		
127	80.9	53.4	99.2

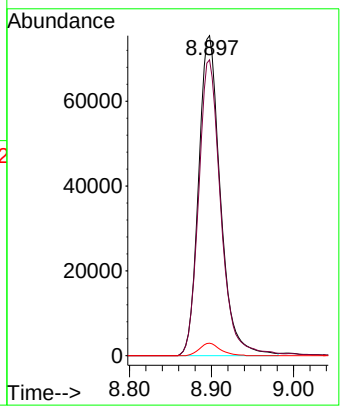




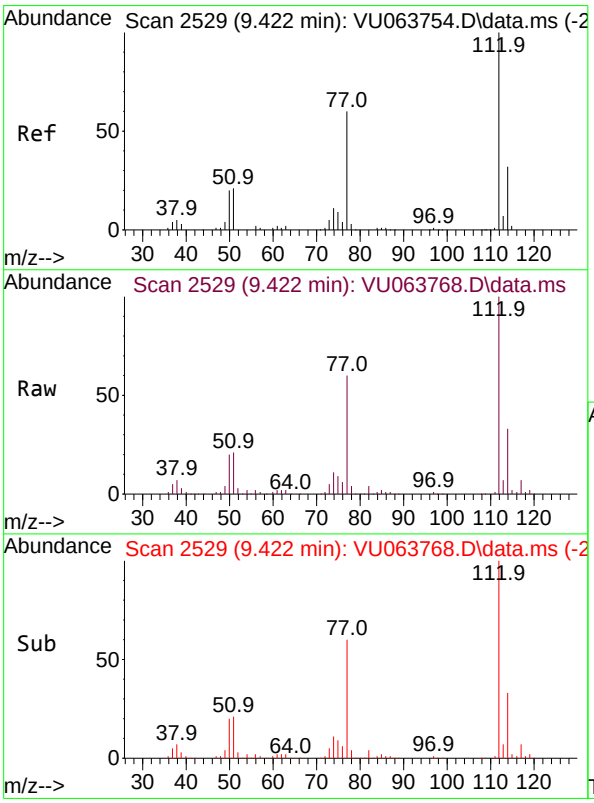
#50
1,2-Dibromoethane
Concen: 49.053 ug/L
RT: 8.897 min Scan# 2366
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:107 Resp: 139372

Ion	Ratio	Lower	Upper
107	100		
109	92.4	65.8	122.2
188	3.9	3.2	4.8



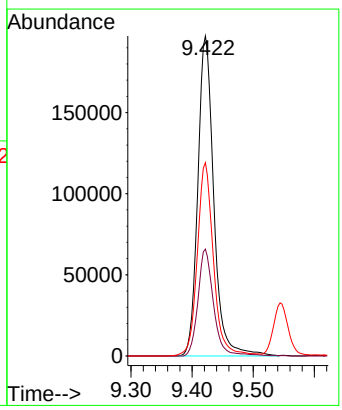
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

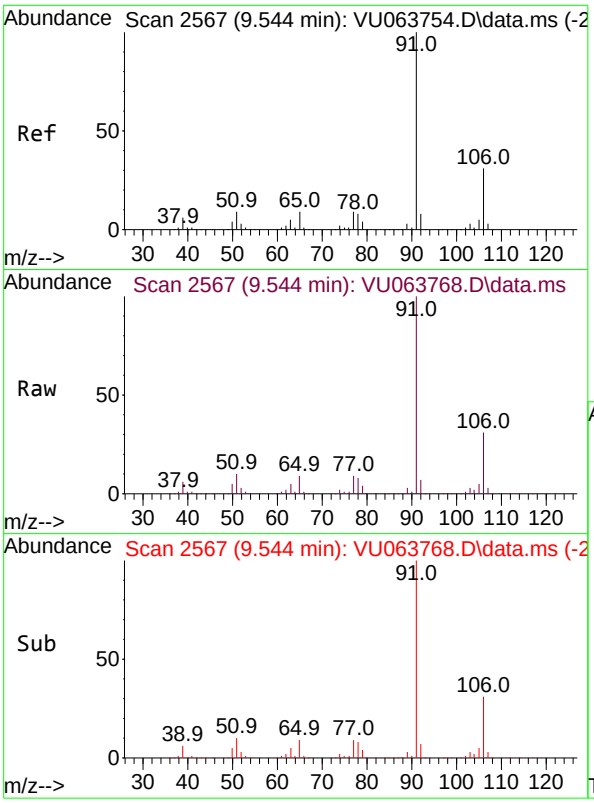


#51
Chlorobenzene
Concen: 48.818 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:112 Resp: 358201

Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.1	41.1
77	60.4	48.0	72.0

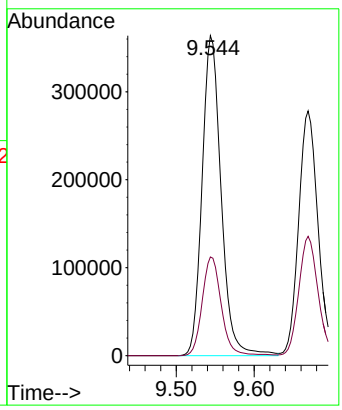




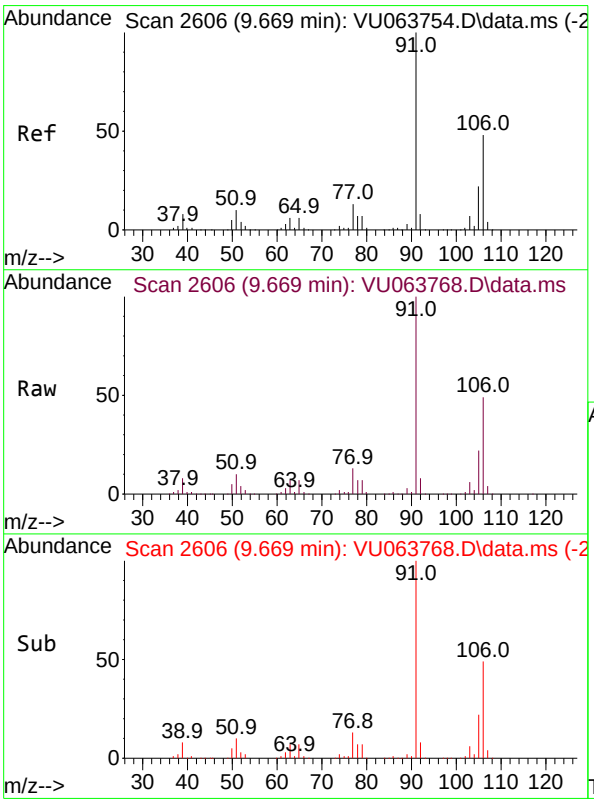
#52
Ethylbenzene
Concen: 48.816 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 91 Resp: 616312

Ion	Ratio	Lower	Upper
91	100		
106	30.8	21.3	39.6



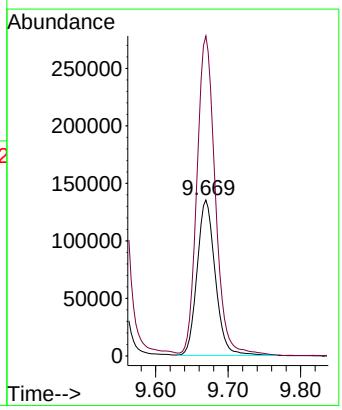
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MSVOA_U
ClientSampleId :
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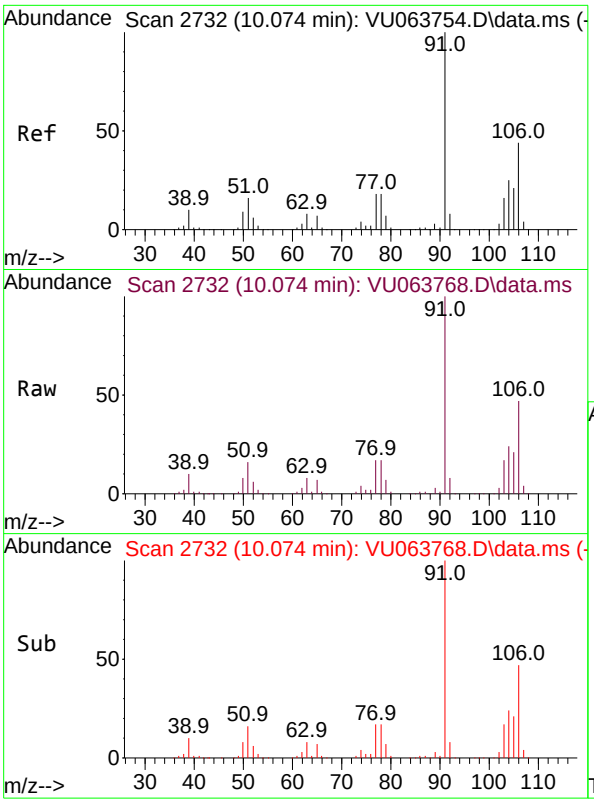
#53
m,p-Xylene
Concen: 48.849 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:106 Resp: 235068

Ion	Ratio	Lower	Upper
106	100		
91	205.2	143.6	266.6



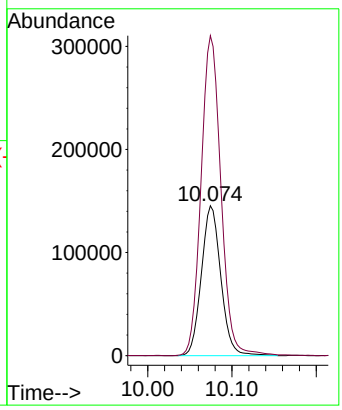
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MSVOA_U
ClientSampleId :
M-31SMS

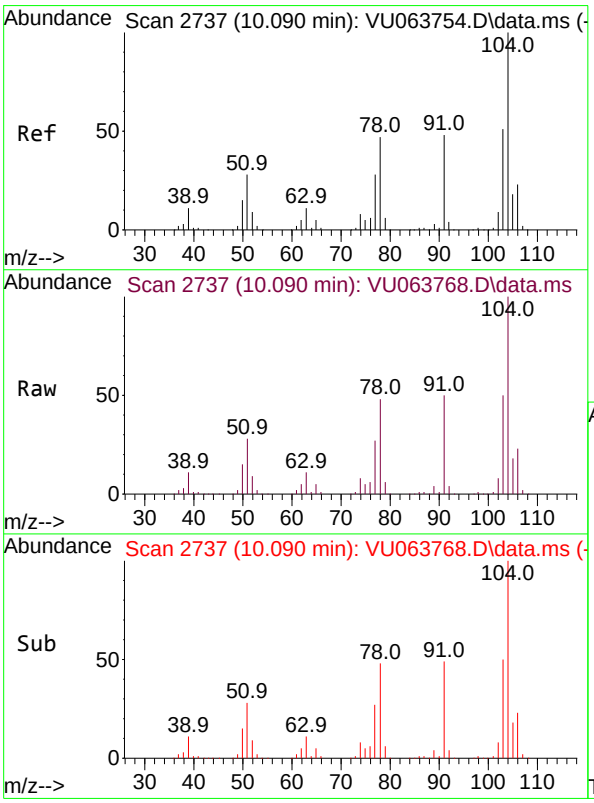


#54
o-Xylene
Concen: 49.559 ug/L
RT: 10.074 min Scan# 2732
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:106 Resp: 232243

Ion	Ratio	Lower	Upper
106	100		
91	213.6	156.0	289.6

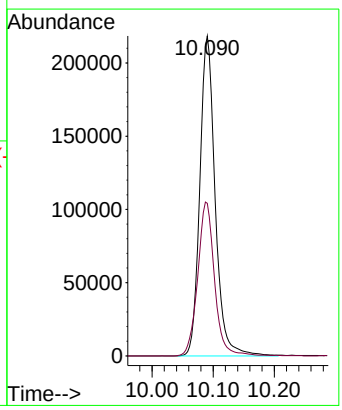




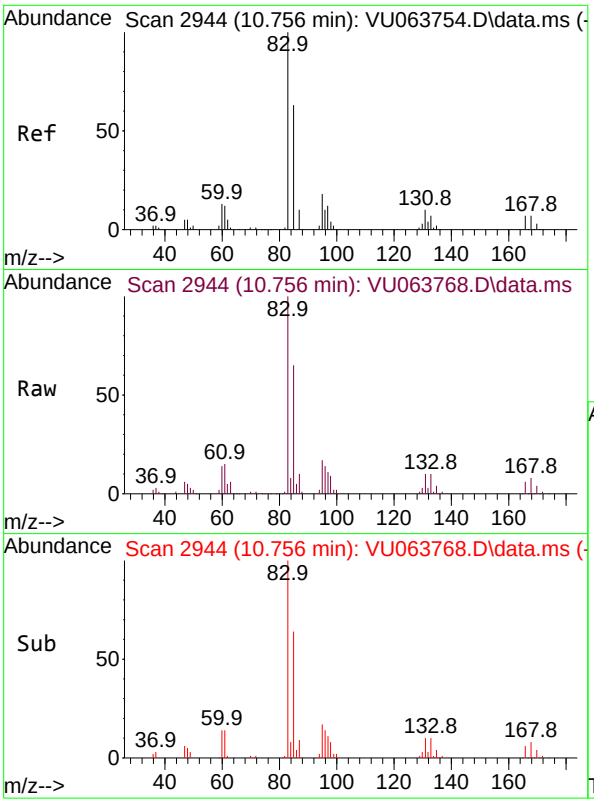
#55
Styrene
Concen: 50.236 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:104 Resp: 381437

Ion	Ratio	Lower	Upper
104	100		
78	47.7	32.0	59.4



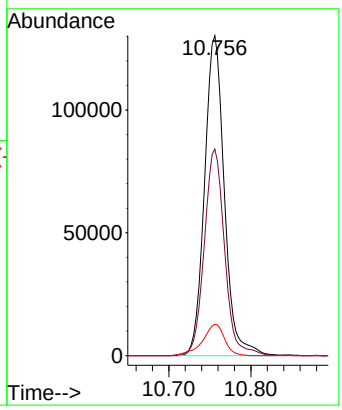
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

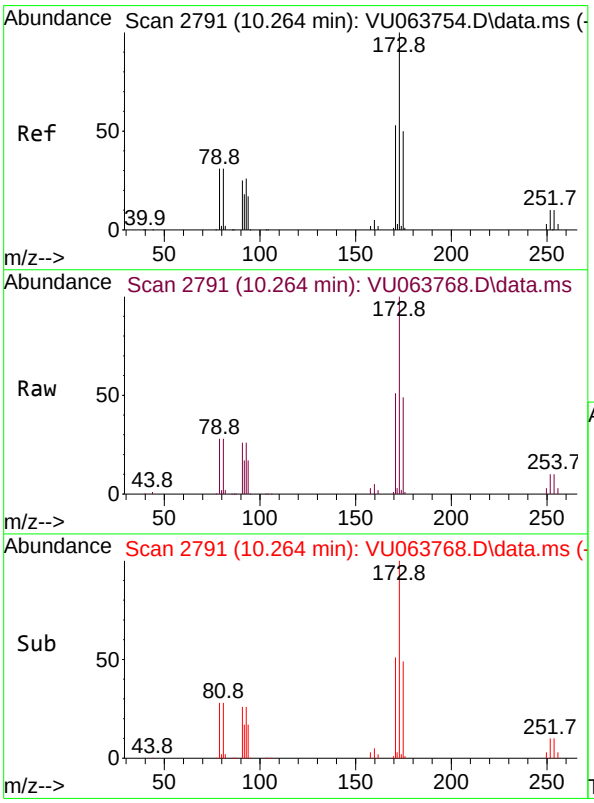


#57
1,1,2,2-Tetrachloroethane
Concen: 49.494 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 83 Resp: 218201

Ion	Ratio	Lower	Upper
83	100		
85	64.5	45.7	84.9
131	9.8	7.4	11.2

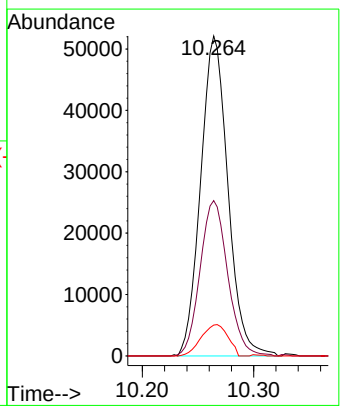




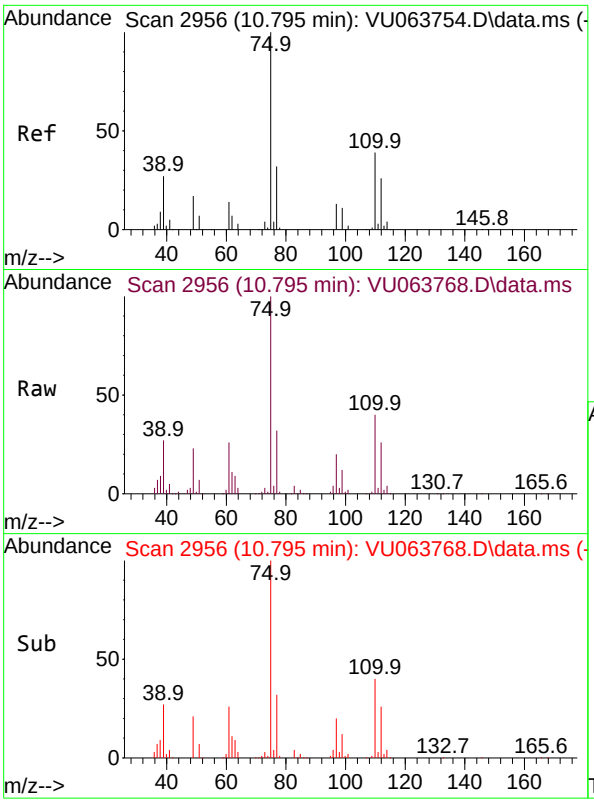
#59
Bromoform
Concen: 44.057 ug/L
RT: 10.264 min Scan# 2791
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:173 Resp: 88728

Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.2	57.4
254	9.6	6.9	10.3



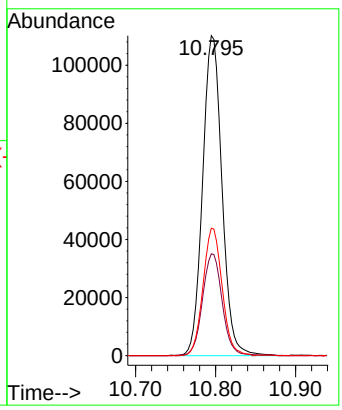
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

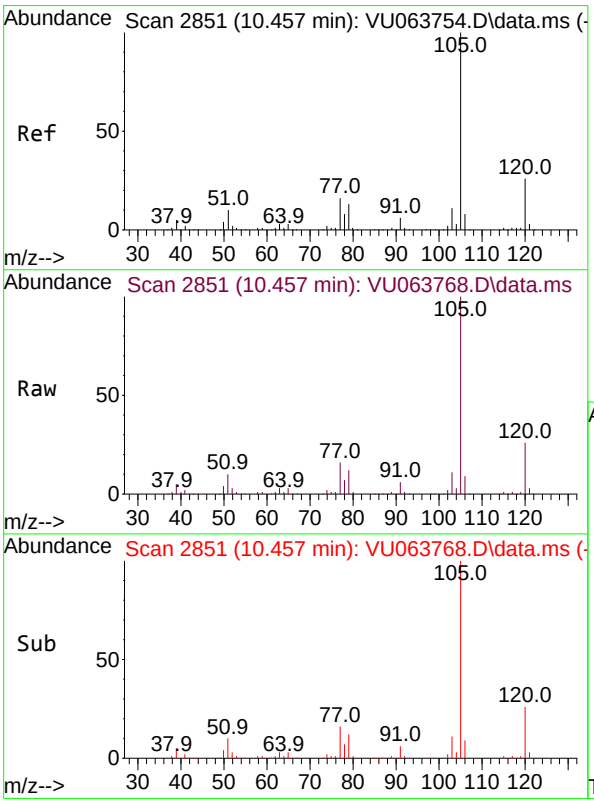


#60
1,2,3-Trichloropropane
Concen: 47.803 ug/L
RT: 10.795 min Scan# 2956
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 75 Resp: 185026

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.1	39.1
110	39.3	32.3	48.5

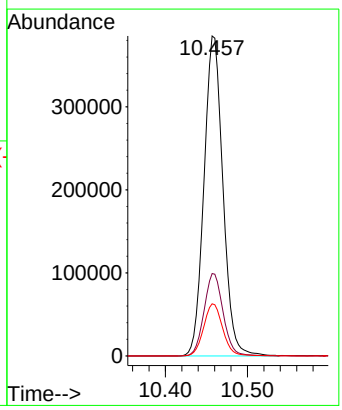




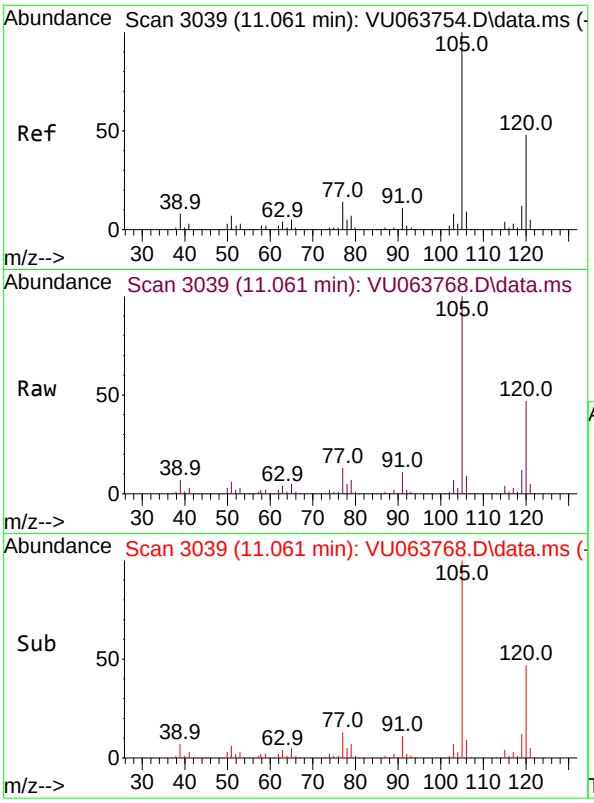
#61
Isopropylbenzene
Concen: 46.329 ug/L
RT: 10.457 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:105 Resp: 619805

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1
77	16.3	12.9	19.3



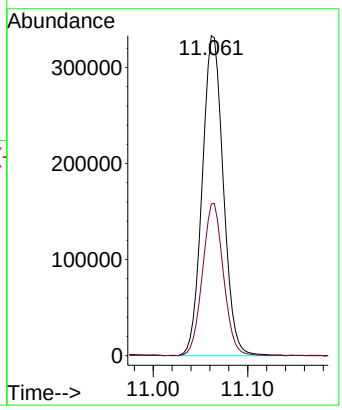
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

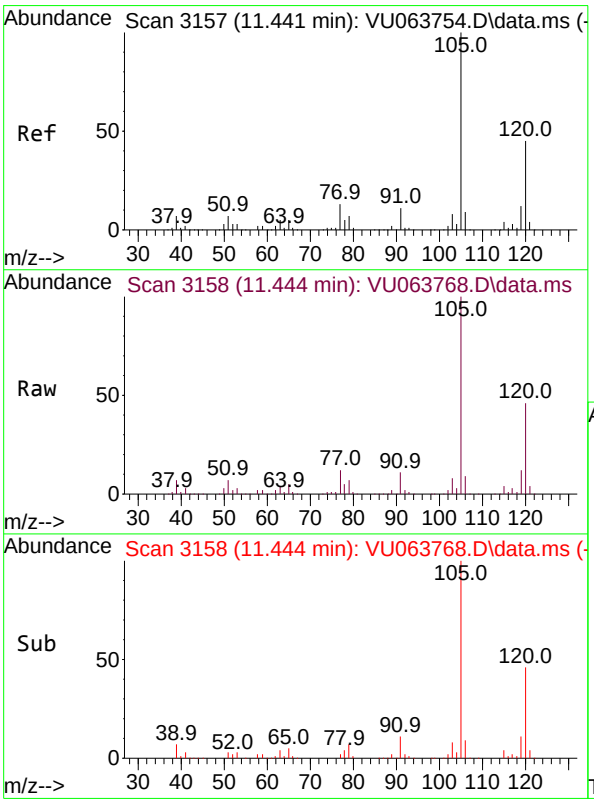


#62
1,3,5-Trimethylbenzene
Concen: 47.045 ug/L
RT: 11.061 min Scan# 3039
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:105 Resp: 517725

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.8	56.6

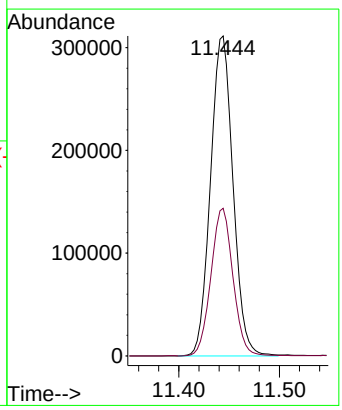




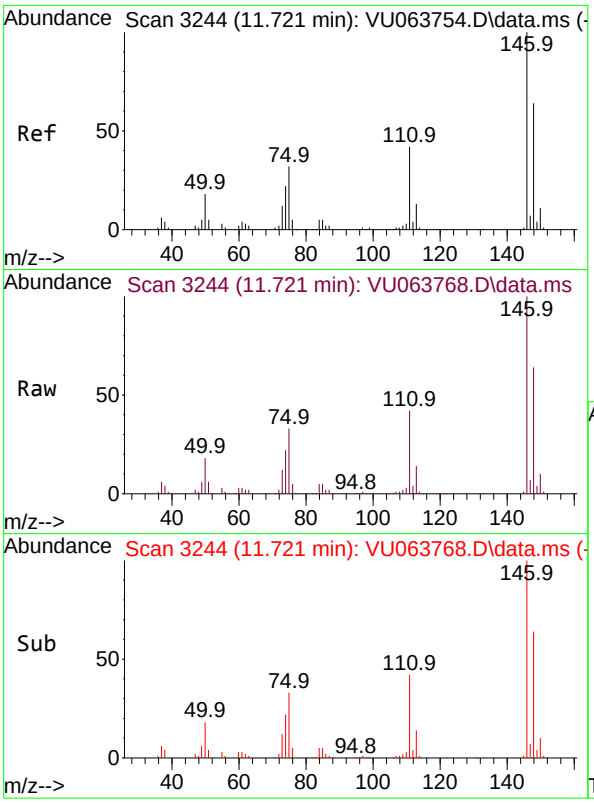
#63
1,2,4-Trimethylbenzene
Concen: 46.011 ug/L
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:105 Resp: 483322

Ion	Ratio	Lower	Upper
105	100		
120	45.2	35.6	53.4



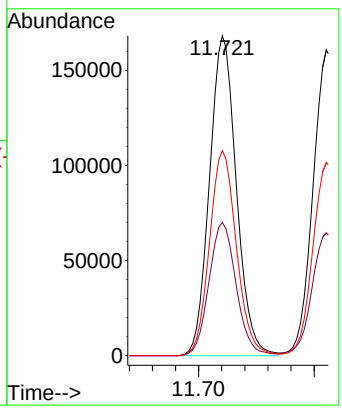
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

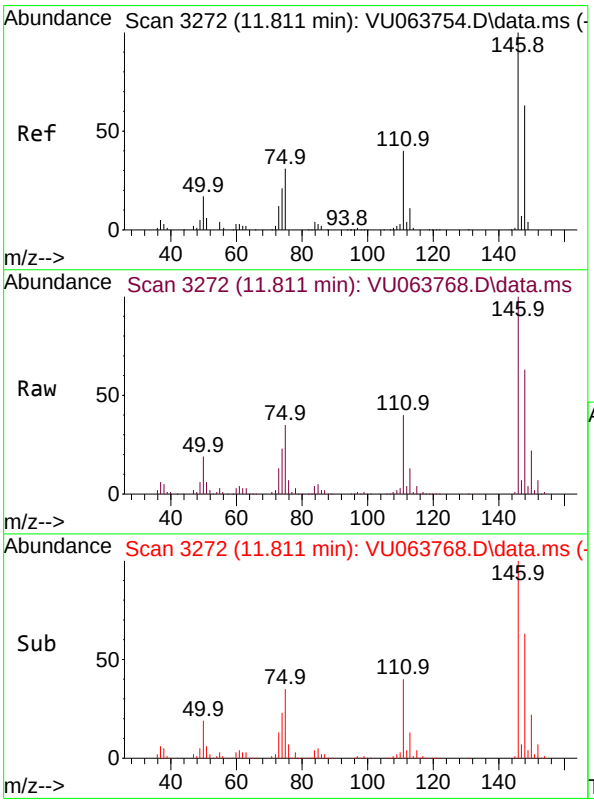


#64
1,3-Dichlorobenzene
Concen: 45.239 ug/L
RT: 11.721 min Scan# 3244
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:146 Resp: 271329

Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.8	55.3
148	64.1	44.4	82.4

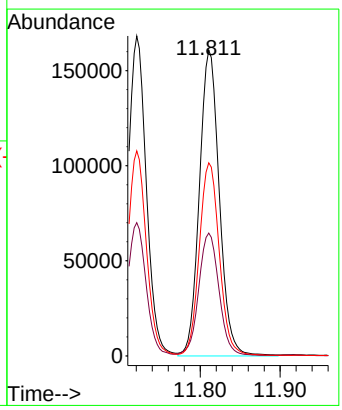




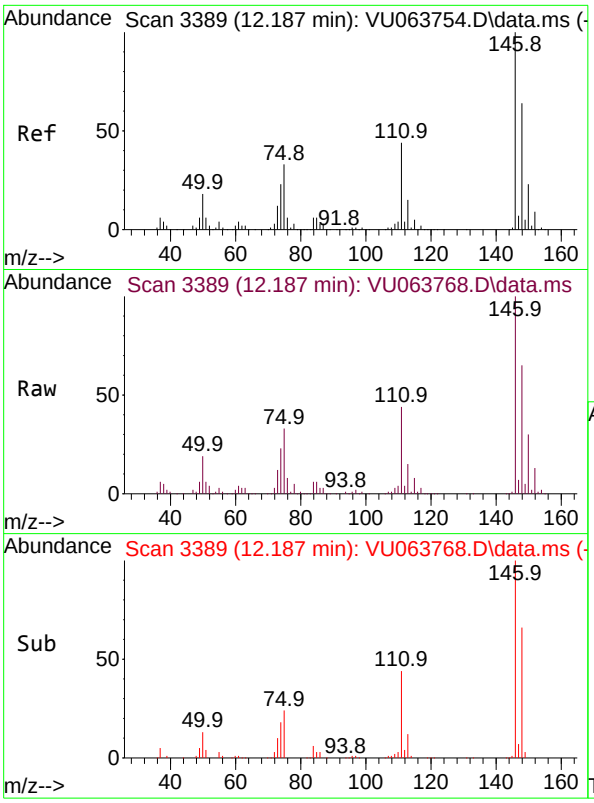
#65
1,4-Dichlorobenzene
Concen: 45.208 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:146 Resp: 277716

Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.8	53.4
148	63.1	44.9	83.3



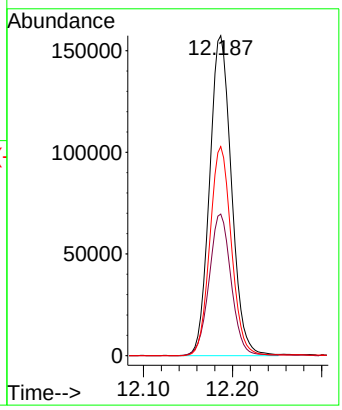
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

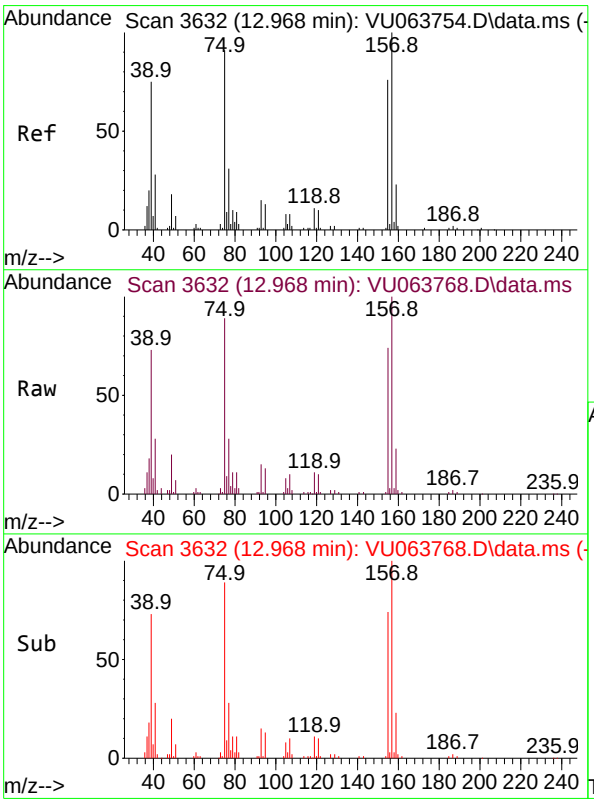


#67
1,2-Dichlorobenzene
Concen: 46.222 ug/L
RT: 12.187 min Scan# 3389
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:146 Resp: 268771

Ion	Ratio	Lower	Upper
146	100		
111	44.2	34.2	51.4
148	65.3	49.6	74.4

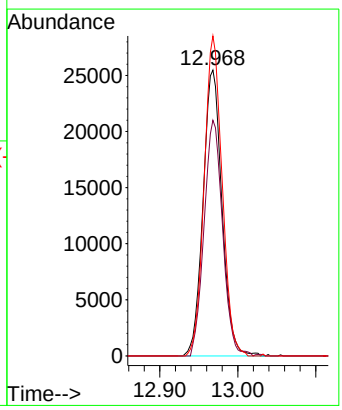




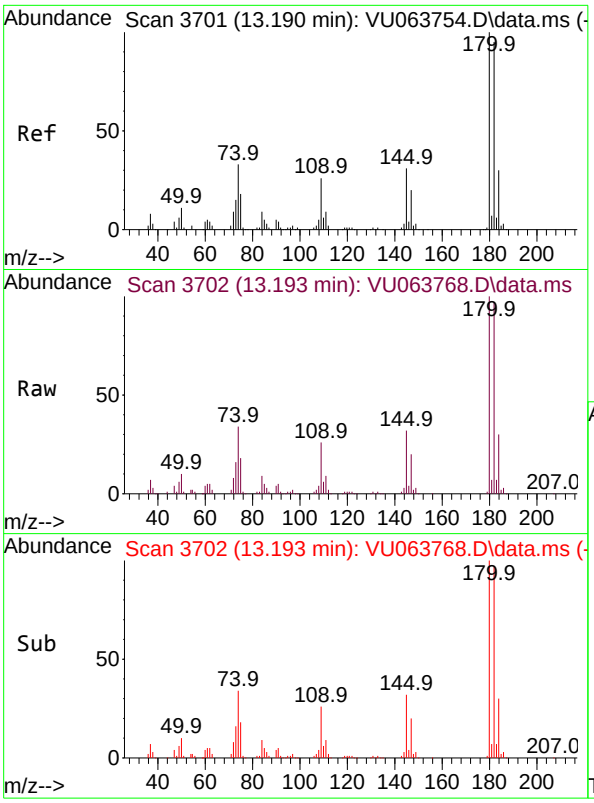
#68
1,2-Dibromo-3-chloropropane
Concen: 44.888 ug/L
RT: 12.968 min Scan# 3632
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 75 Resp: 42902

Ion	Ratio	Lower	Upper
75	100		
155	86.0	64.6	97.0
157	111.9	78.8	118.2



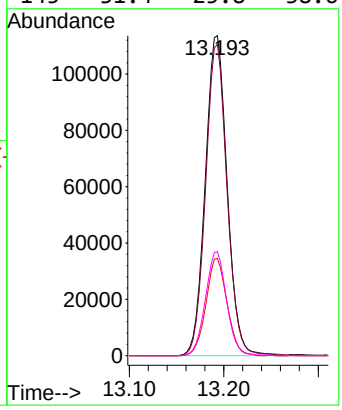
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

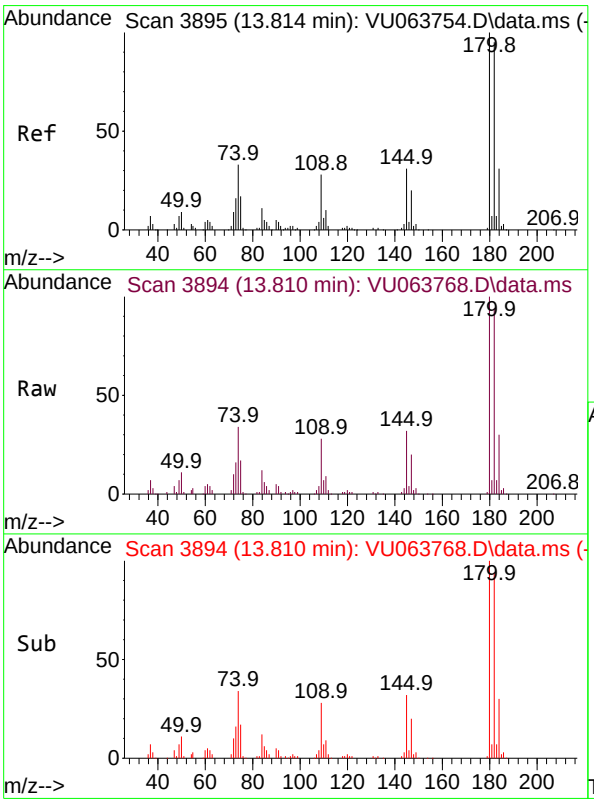


#69
1,3,5-Trichlorobenzene
Concen: 45.107 ug/L
RT: 13.193 min Scan# 3702
Delta R.T. 0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:180 Resp: 182848

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
184	29.2	24.4	36.6
145	31.4	25.8	38.6

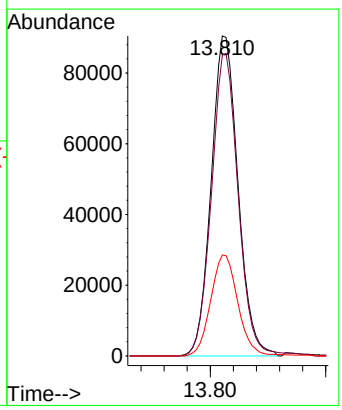




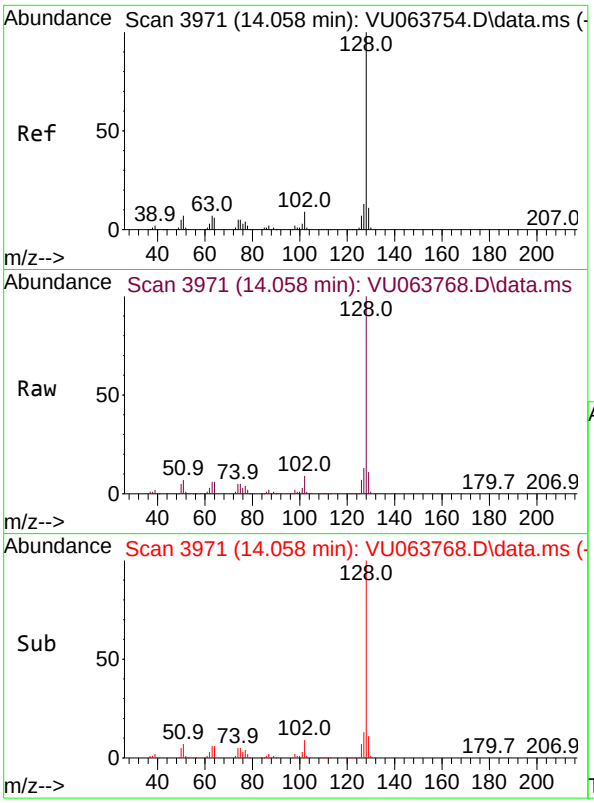
#70
1,2,4-trichlorobenzene
Concen: 43.198 ug/L
RT: 13.810 min Scan# 3894
Delta R.T. -0.003 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:180 Resp: 146017

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.8	113.8
145	31.6	25.7	38.5



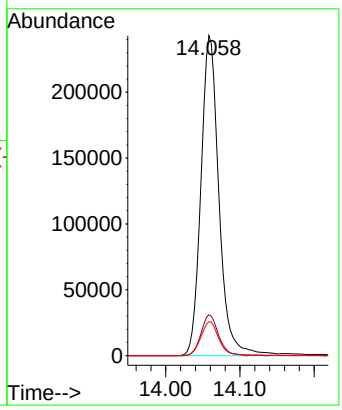
Instrument :
MSVOA_U
ClientSampleId :
M-31SMS

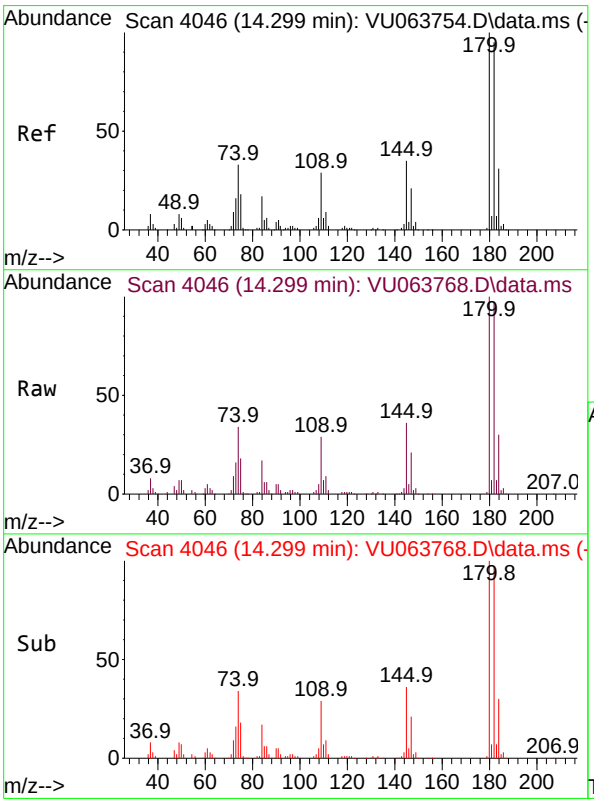


#71
Naphthalene
Concen: 45.561 ug/L
RT: 14.058 min Scan# 3971
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:128 Resp: 409847

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.4	8.7	13.1

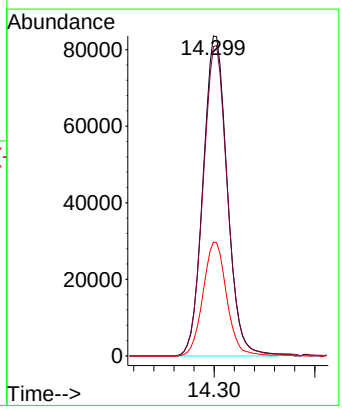




#72
1,2,3-Trichlorobenzene
Concen: 43.506 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. -0.000 min
Lab File: VU063768.D
Acq: 21 Nov 2025 14:33

Tgt Ion:180 Resp: 139381

Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.9	115.3
145	34.8	26.6	39.8



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063768.D
Acq On : 21 Nov 2025 14:33
Operator : MD/SY
Sample : Q3688-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31SMS

Quant Time: Nov 21 22:31:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	323065	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	322908	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	177337	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	124984	44.801	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 89.600%			
7) Chloroethane-d5	1.891	69	99965	46.510	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.020%			
11) 1,1-Dichloroethene-d2	2.541	63	227097	46.962	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.920%			
21) 2-Butanone-d5	4.595	46	150940	94.905	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 94.900%			
24) Chloroform-d	5.029	84	230925	49.335	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.680%			
26) 1,2-Dichloroethane-d4	5.669	65	149088	48.438	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.880%			
32) Benzene-d6	5.695	84	429004	45.325	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.660%			
36) 1,2-Dichloropropane-d6	6.660	67	126953	45.689	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.380%			
41) Toluene-d8	7.872	98	404937	45.059	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.120%			
43) trans-1,3-Dichloroprop...	8.155	79	49506	43.114	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.220%			
47) 2-Hexanone-d5	8.608	63	96430	95.450	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.450%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	194004	47.744	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.480%			
66) 1,2-Dichlorobenzene-d4	12.167	152	163167	48.740	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	93824	49.901	ug/L	100
3) Chloromethane	1.509	50	100439	47.213	ug/L	99
5) Vinyl chloride	1.589	62	123564	49.955	ug/L	100
6) Bromomethane	1.837	94	81841	52.211	ug/L	96
8) Chloroethane	1.914	64	82792	50.145	ug/L	98
9) Trichlorofluoromethane	2.116	101	204395	52.392	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	115376	50.037	ug/L	100
12) 1,1-Dichloroethene	2.554	96	102611	48.657	ug/L	92
13) Acetone	2.605	43	126830	58.924	ug/L	99
14) Carbon disulfide	2.766	76	226780	41.284	ug/L	98
15) Methyl Acetate	2.923	43	132180	51.139	ug/L	99
16) Methylene chloride	3.017	84	122560	49.853	ug/L	99
17) trans-1,2-Dichloroethene	3.322	96	109976	48.913	ug/L	92
18) Methyl tert-butyl Ether	3.335	73	385418	50.651	ug/L	99
19) 1,1-Dichloroethane	3.833	63	216764	50.033	ug/L	97
20) cis-1,2-Dichloroethene	4.631	96	130575	50.453	ug/L	99
22) 2-Butanone	4.673	43	182417	76.284	ug/L	99
23) Bromochloromethane	4.939	128	69024	51.875	ug/L	98
25) Chloroform	5.052	83	242236	51.654	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063768.D
Acq On : 21 Nov 2025 14:33
Operator : MD/SY
Sample : Q3688-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31SMS

Quant Time: Nov 21 22:31:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	202185	52.813	ug/L	99
29) Cyclohexane	5.354	56	193150	47.541	ug/L	95
30) 1,1,1-Trichloroethane	5.280	97	197970	48.012	ug/L	99
31) Carbon tetrachloride	5.492	117	157922	48.707	ug/L	98
33) Benzene	5.743	78	496473	50.410	ug/L	100
34) Trichloroethene	6.515	95	138387	48.741	ug/L	99
35) Methylcyclohexane	6.734	83	196861	47.233	ug/L	100
37) 1,2-Dichloropropane	6.759	63	130666	51.051	ug/L	100
38) Bromodichloromethane	7.078	83	170425	48.625	ug/L	100
39) cis-1,3-Dichloropropene	7.579	75	179172	47.203	ug/L	100
40) 4-Methyl-2-pentanone	7.762	43	369297	99.682	ug/L	100
42) Toluene	7.943	91	541426	49.795	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	146953	44.351	ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	133367	49.271	ug/L	98
46) Tetrachloroethene	8.528	164	103546	47.689	ug/L	99
48) 2-Hexanone	8.660	43	268767	92.429	ug/L	97
49) Dibromochloromethane	8.782	129	121427	46.452	ug/L	95
50) 1,2-Dibromoethane	8.897	107	139372	49.053	ug/L	98
51) Chlorobenzene	9.422	112	358201	48.818	ug/L	99
52) Ethylbenzene	9.544	91	616312	48.816	ug/L	99
53) m,p-Xylene	9.669	106	235068	48.849	ug/L	100
54) o-Xylene	10.074	106	232243	49.559	ug/L	94
55) Styrene	10.090	104	381437	50.236	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	218201	49.494	ug/L	99
59) Bromoform	10.264	173	88728	44.057	ug/L	98
60) 1,2,3-Trichloropropane	10.795	75	185026	47.803	ug/L	99
61) Isopropylbenzene	10.457	105	619805	46.329	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	517725	47.045	ug/L	100
63) 1,2,4-Trimethylbenzene	11.444	105	483322	46.011	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	271329	45.239	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	277716	45.208	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	268771	46.222	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.968	75	42902	44.888	ug/L	90
69) 1,3,5-Trichlorobenzene	13.193	180	182848	45.107	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	146017	43.198	ug/L	99
71) Naphthalene	14.058	128	409847	45.561	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	139381	43.506	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMSD

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-03MSD
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063769.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	47	
74-87-3	Chloromethane	45	
75-01-4	Vinyl chloride	48	
74-83-9	Bromomethane	51	
75-00-3	Chloroethane	50	
75-69-4	Trichlorofluoromethane	50	
75-35-4	1,1-Dichloroethene	48	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	48	
67-64-1	Acetone	57	
75-15-0	Carbon disulfide	42	
79-20-9	Methyl Acetate	49	
75-09-2	Methylene chloride	48	
156-60-5	trans-1,2-Dichloroethene	48	
1634-04-4	Methyl tert-butyl Ether	48	
75-34-3	1,1-Dichloroethane	48	
156-59-2	cis-1,2-Dichloroethene	51	
78-93-3	2-Butanone	72	
74-97-5	Bromochloromethane	49	
67-66-3	Chloroform	50	
71-55-6	1,1,1-Trichloroethane	47	
110-82-7	Cyclohexane	46	
56-23-5	Carbon tetrachloride	47	
71-43-2	Benzene	49	
107-06-2	1,2-Dichloroethane	50	
79-01-6	Trichloroethene	48	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMSD

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-03MSD
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063769.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	46	
78-87-5	1,2-Dichloropropane	49	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	44	
108-10-1	4-Methyl-2-pentanone	98	
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	45	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	47	
591-78-6	2-Hexanone	96	
124-48-1	Dibromochloromethane	47	
106-93-4	1,2-Dibromoethane	48	
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	48	
95-47-6	o-Xylene	48	
179601-23-1	m,p-Xylene	48	
100-42-5	Styrene	50	
75-25-2	Bromoform	44	
98-82-8	Isopropylbenzene	46	
96-18-4	1,2,3-Trichloropropane	48	
79-34-5	1,1,2,2-Tetrachloroethane	49	
541-73-1	1,3-Dichlorobenzene	46	
106-46-7	1,4-Dichlorobenzene	46	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-chloropropane	47	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMSD

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : VOA_Low_Med
Level :
Matrix : Water
Lab Sample ID : Q3688-03MSD
Sample wt/vol : 5.0 (g/mL) mL
Lab File ID : VU063769.D
% Solids :
Date Received : 11/19/2025
GC Column : DB-624UI ID : 0.18 (mm)
Date Extracted :
GC Column : ID : (mm)
Date Analyzed : 11/21/2025
Extract Concentrated :(Y/N)
Extract Volume : (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : PT
Heated Purge : (Y/N) N
Injection Volume : (µL)
Purge Volume : 5 (mL)
pH : 1.0 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

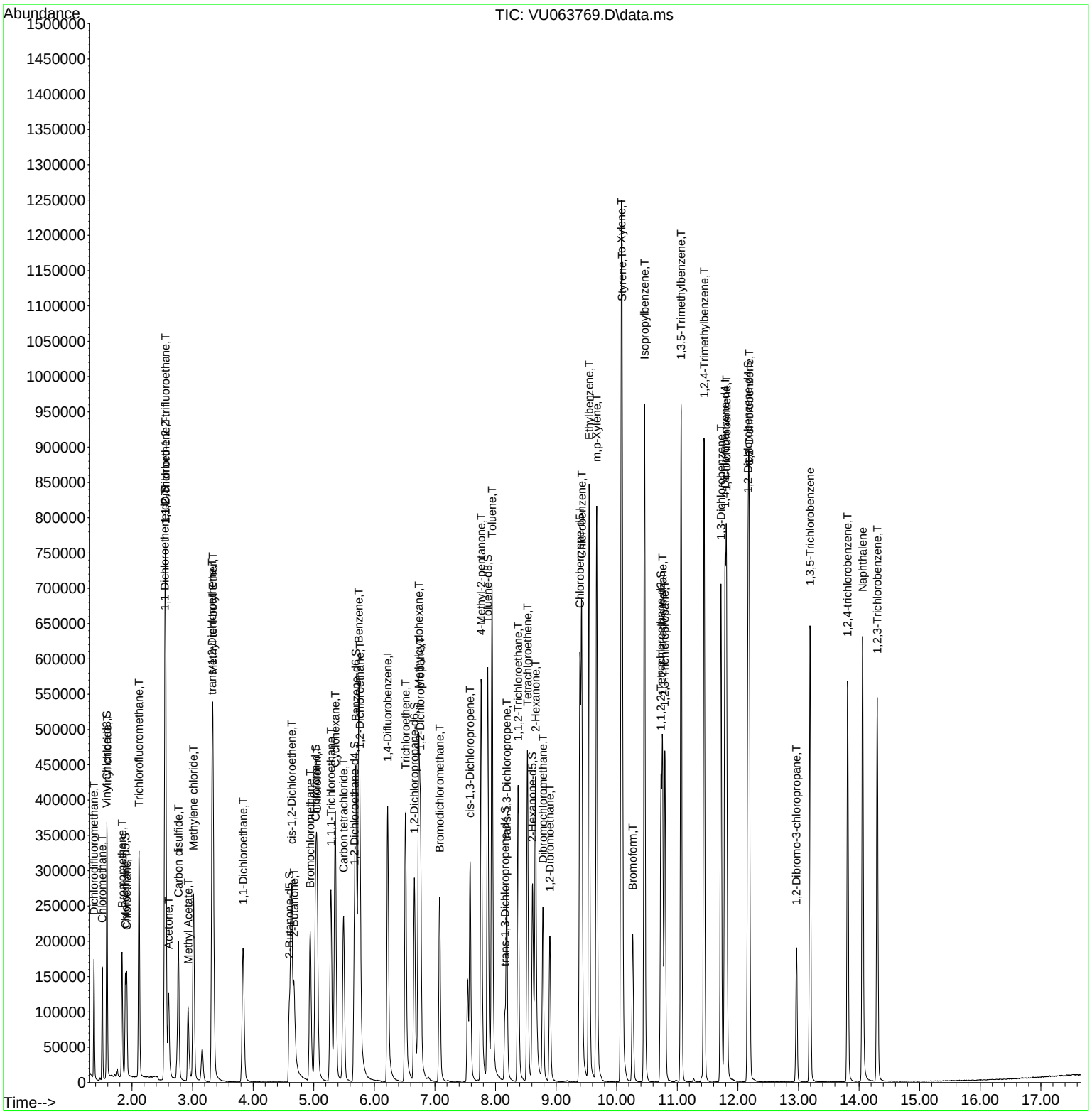
CAS NO.	ANALYTE	CONCENTRATION	Q
95-63-6	1,2,4-Trimethylbenzene	47	
108-67-8	1,3,5-Trimethylbenzene	46	
120-82-1	1,2,4-trichlorobenzene	48	
87-61-6	1,2,3-Trichlorobenzene	49	

Quantitation Report (QT Reviewed)

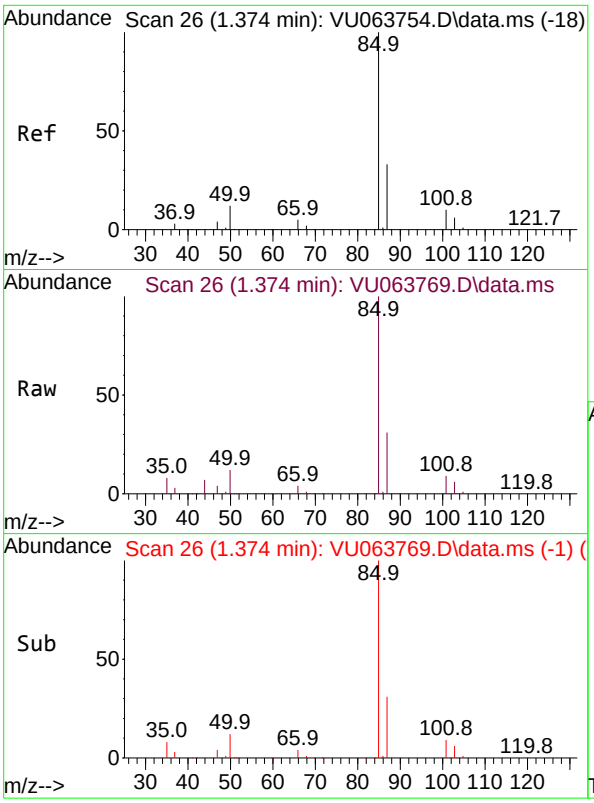
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063769.D
Acq On : 21 Nov 2025 14:57
Operator : MD/SY
Sample : Q3688-03MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

Quant Time: Nov 21 22:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration



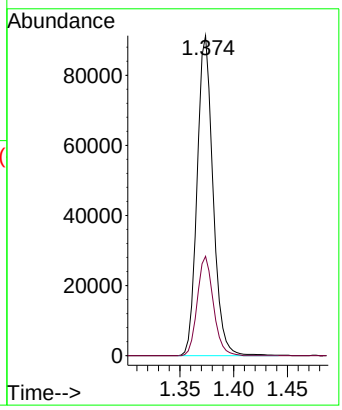
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

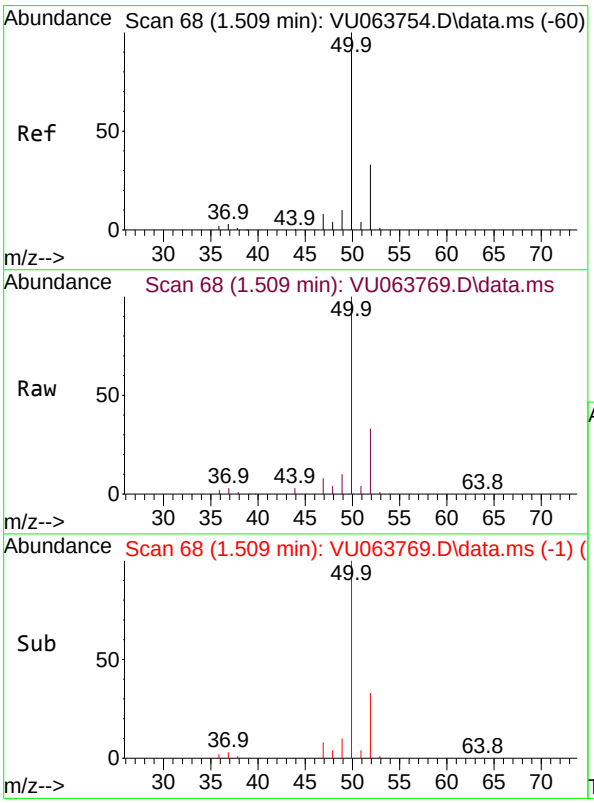


#2
Dichlorodifluoromethane
Concen: 47.433 ug/L
RT: 1.374 min Scan# 26
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 85 Resp: 93673

Ion	Ratio	Lower	Upper
85	100		
87	31.3	26.2	39.2

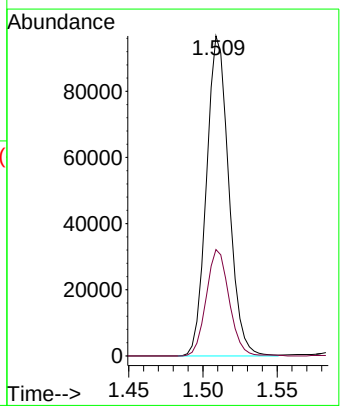




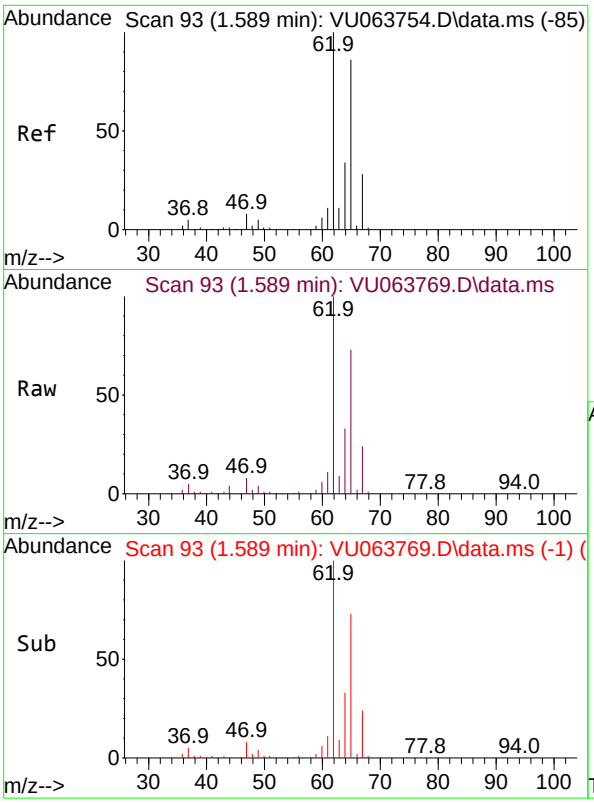
#3
Chloromethane
Concen: 45.229 ug/L
RT: 1.509 min Scan# 68
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 50 Resp: 101061

Ion	Ratio	Lower	Upper
50	100		
52	33.2	23.2	43.2



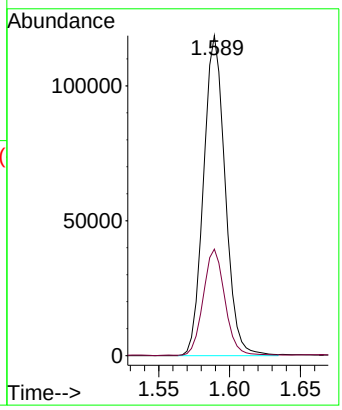
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

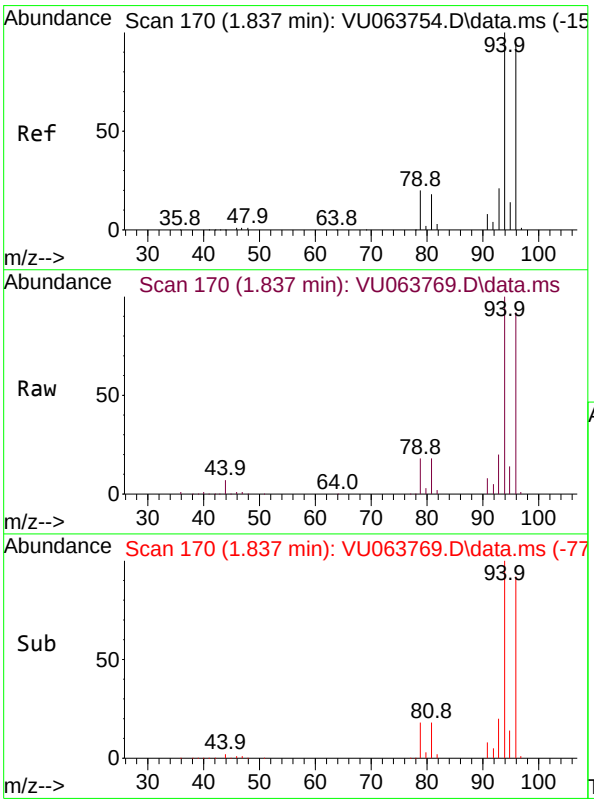


#5
Vinyl chloride
Concen: 48.422 ug/L
RT: 1.589 min Scan# 93
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 62 Resp: 125800

Ion	Ratio	Lower	Upper
62	100		
64	33.3	23.2	43.2

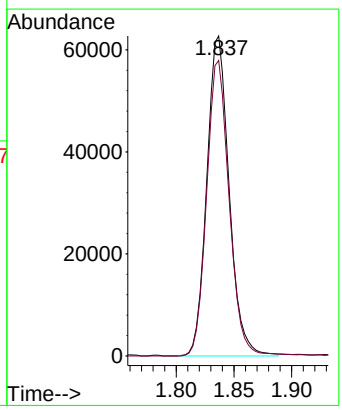




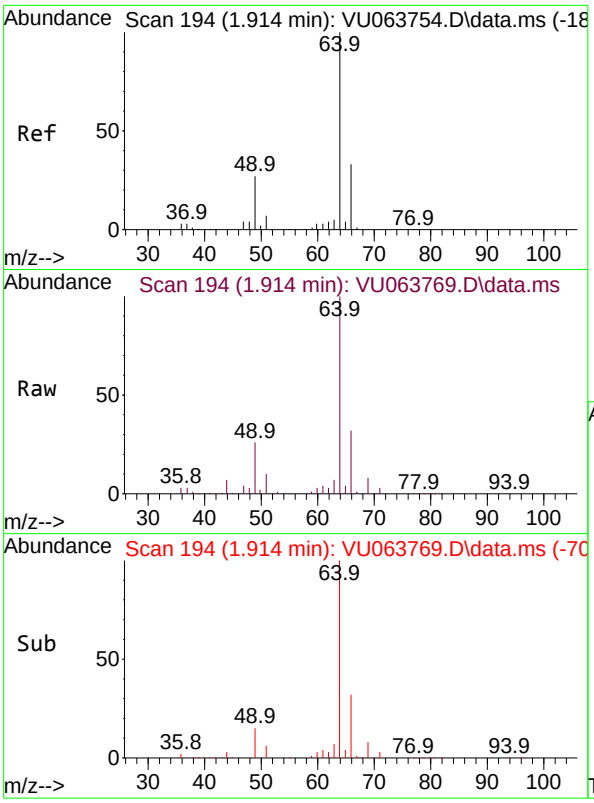
#6
Bromomethane
Concen: 51.296 ug/L
RT: 1.837 min Scan# 170
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 94 Resp: 84453

Ion	Ratio	Lower	Upper
94	100		
96	92.3	63.8	118.4



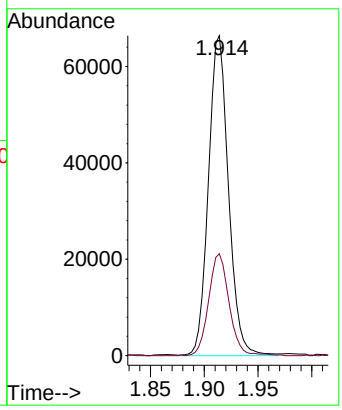
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

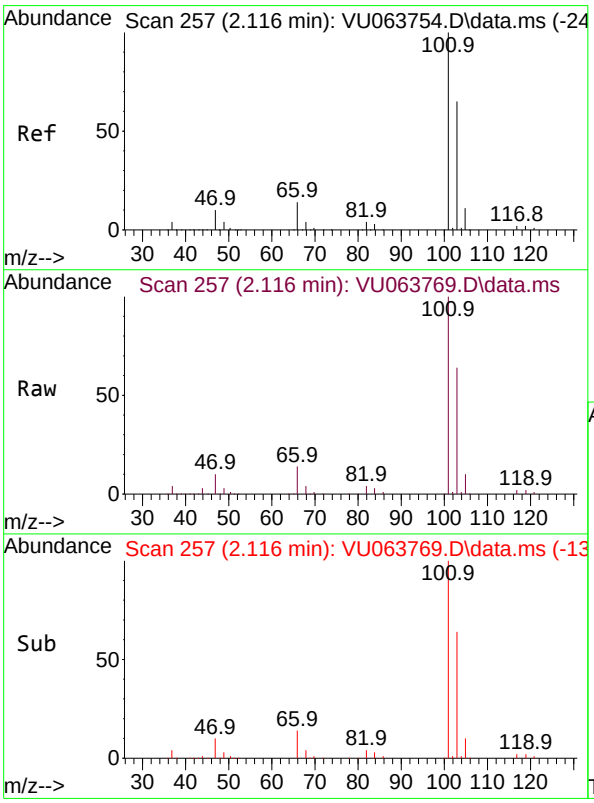


#8
Chloroethane
Concen: 49.683 ug/L
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 64 Resp: 86157

Ion	Ratio	Lower	Upper
64	100		
66	31.8	22.4	41.6

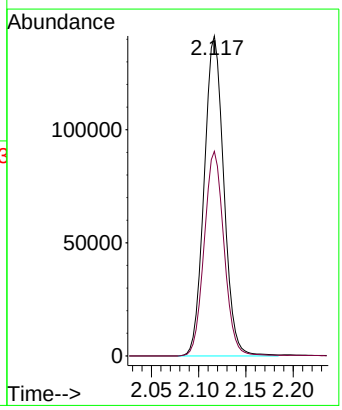


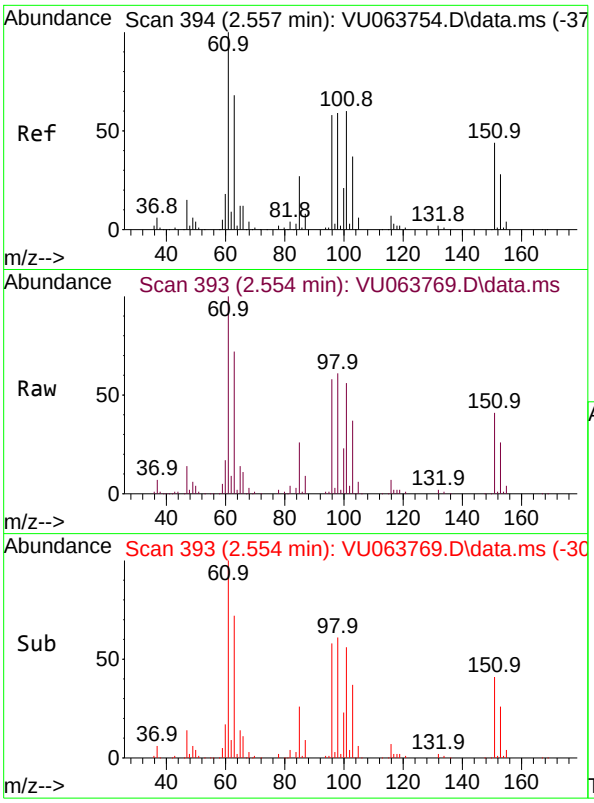


#9
Trichlorofluoromethane
Concen: 50.050 ug/L
RT: 2.116 min Scan# 257
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:101 Resp: 205086

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.0	78.0

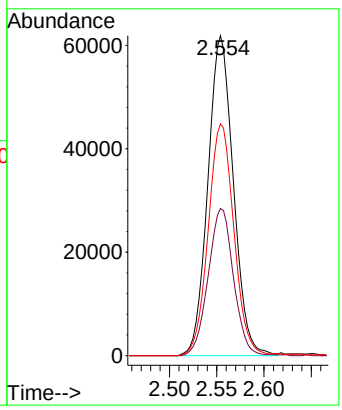




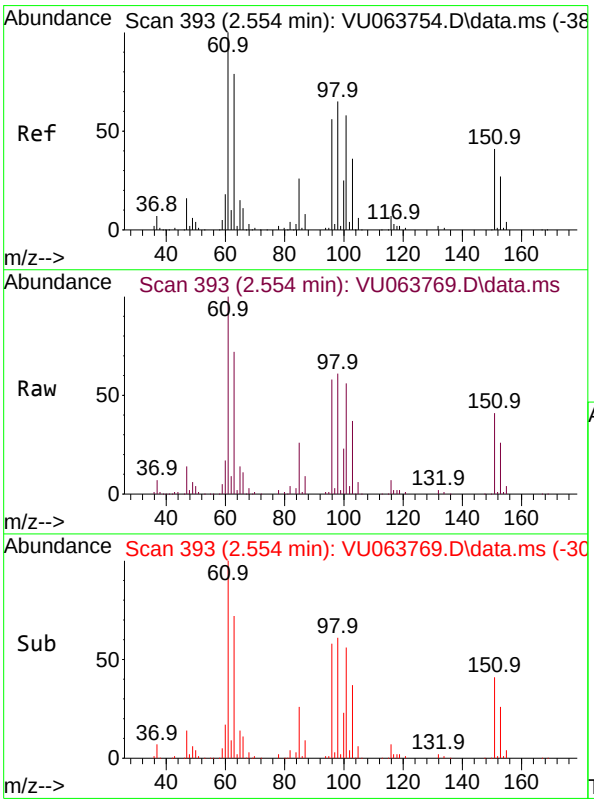
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.071 ug/L
RT: 2.554 min Scan# 393
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:101 Resp: 116420

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.3	54.5
151	73.1	60.1	90.1



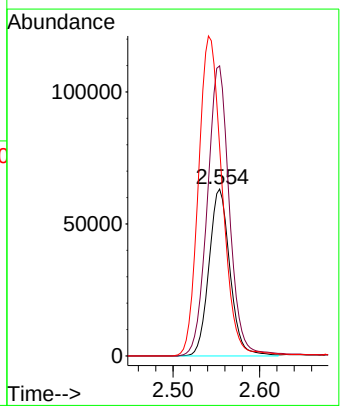
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD



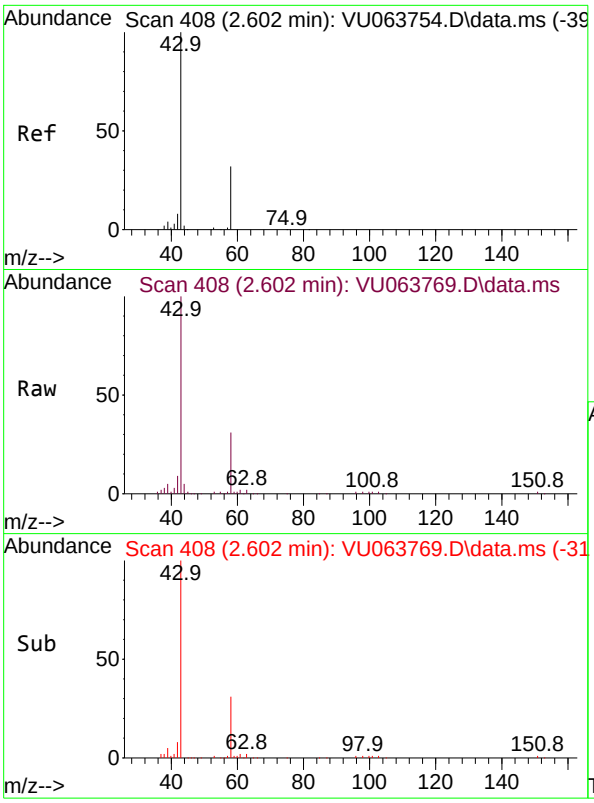
#12
1,1-Dichloroethene
Concen: 47.933 ug/L
RT: 2.554 min Scan# 393
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 96 Resp: 106170

Ion	Ratio	Lower	Upper
96	100		
61	173.8	123.3	228.9
63	125.2	103.3	191.8



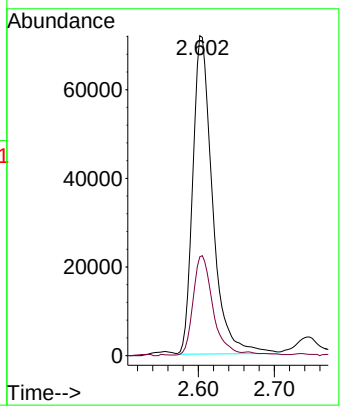
Instrument :
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ClientSampleId :
M-31SMSD

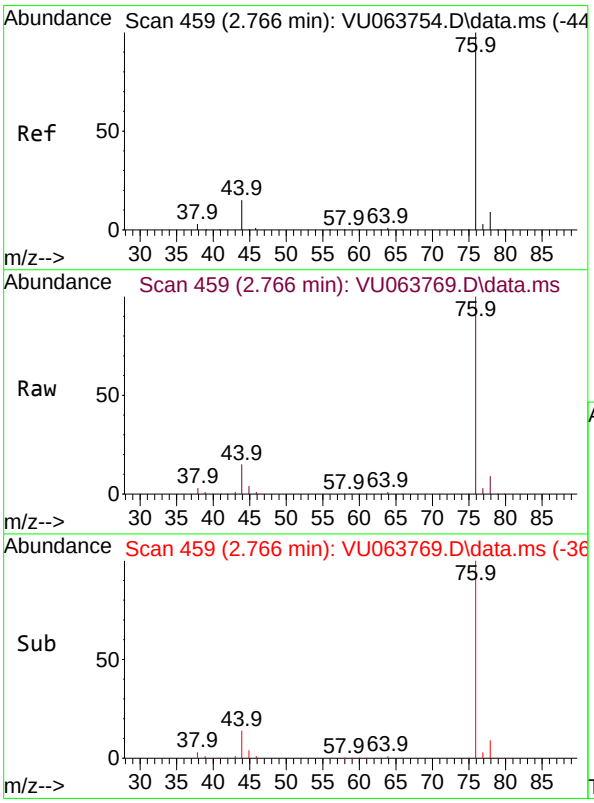


#13
Acetone
Concen: 57.238 ug/L
RT: 2.602 min Scan# 408
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 43 Resp: 129402

Ion	Ratio	Lower	Upper
43	100		
58	30.9	0.0	63.4

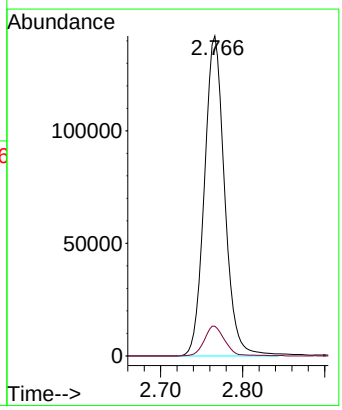




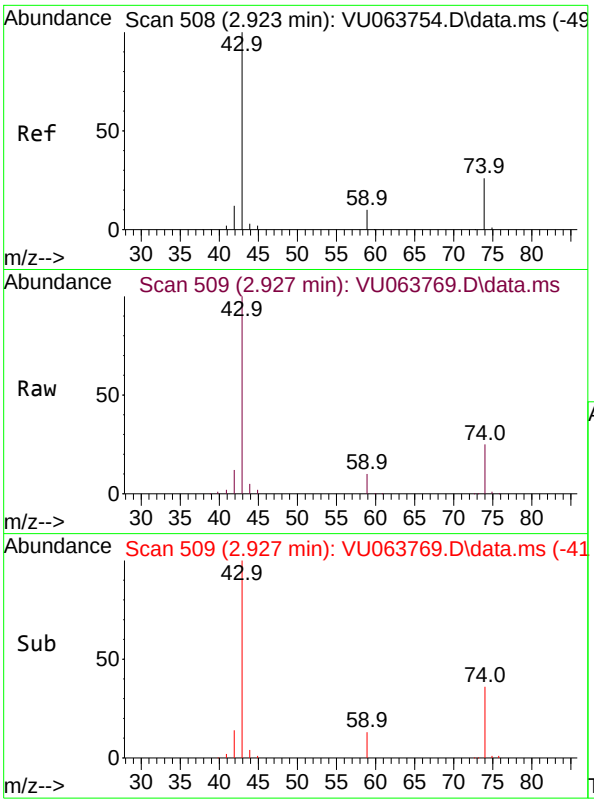
#14
Carbon disulfide
Concen: 42.117 ug/L
RT: 2.766 min Scan# 459
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 76 Resp: 242999

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.6



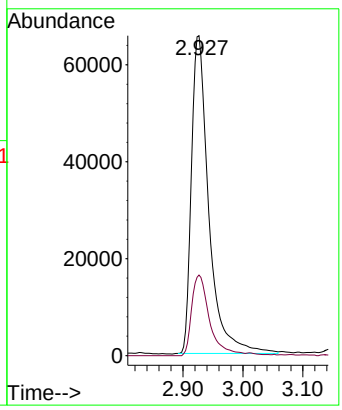
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

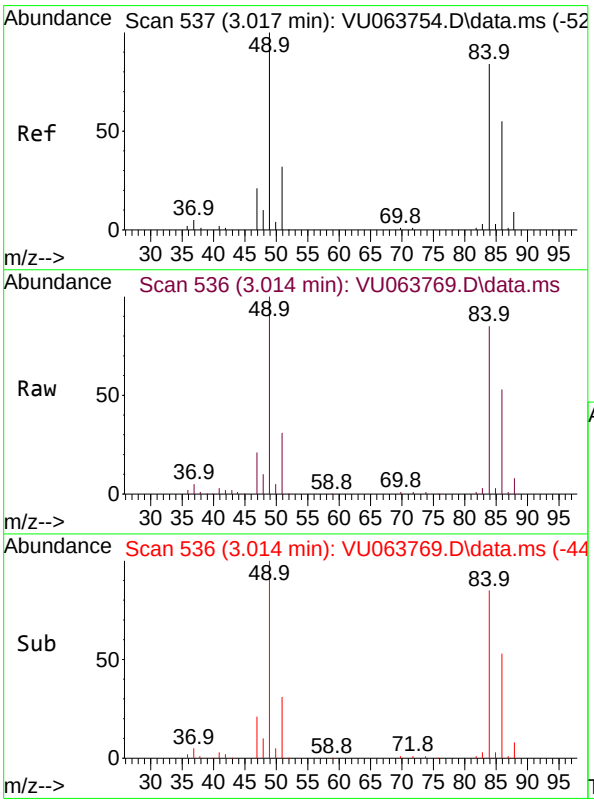


#15
Methyl Acetate
Concen: 48.608 ug/L
RT: 2.927 min Scan# 509
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 43 Resp: 131961

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.5	30.7

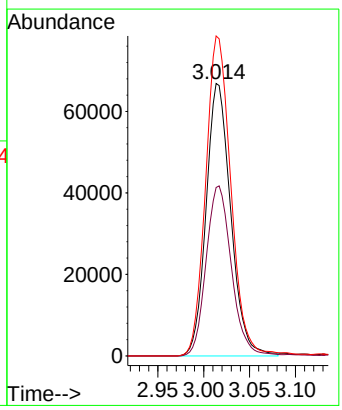


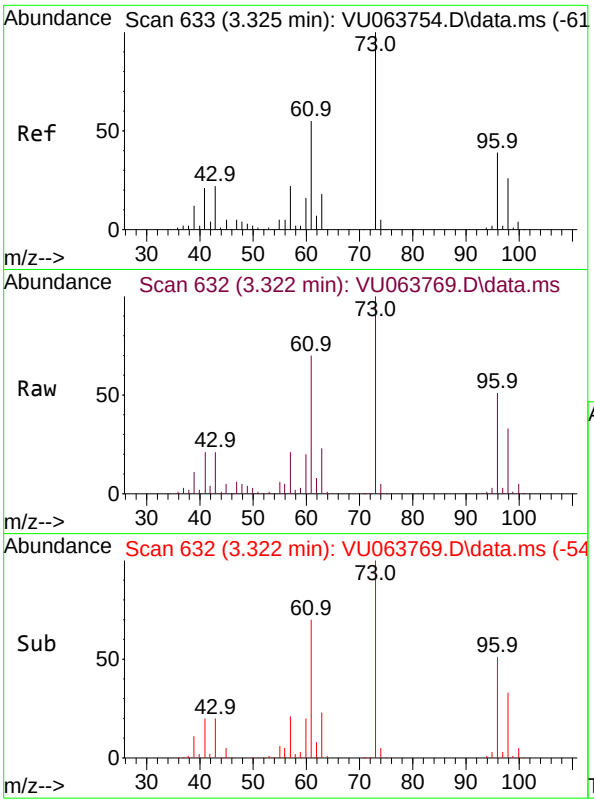


#16
Methylene chloride
Concen: 48.366 ug/L
RT: 3.014 min Scan# 536
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 84 Resp: 124889

Ion	Ratio	Lower	Upper
84	100		
86	61.8	45.2	84.0
49	117.5	83.6	155.2

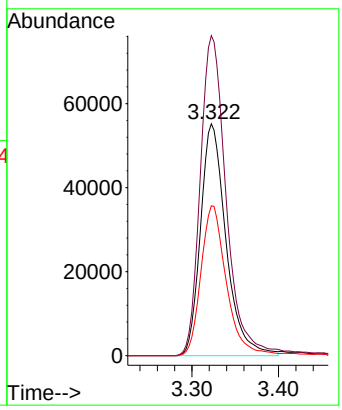




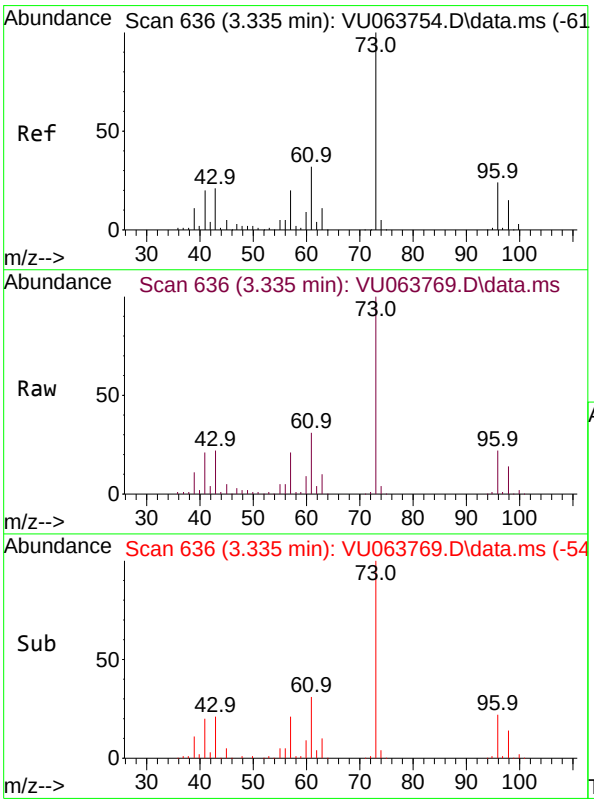
#17
trans-1,2-Dichloroethene
Concen: 47.910 ug/L
RT: 3.322 min Scan# 632
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 96 Resp: 113141

Ion	Ratio	Lower	Upper
96	100		
61	138.1	92.7	172.1
98	64.6	43.2	80.2



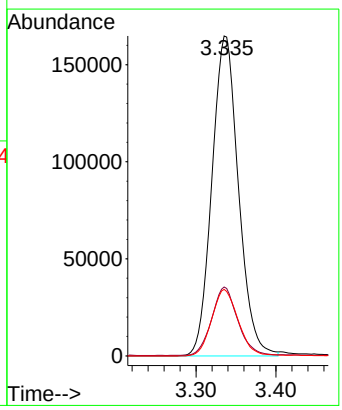
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD



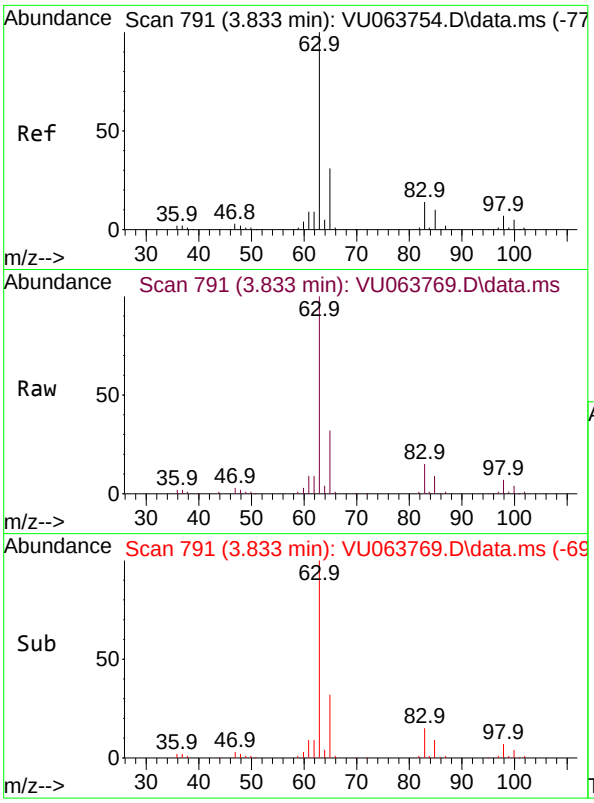
#18
Methyl tert-butyl Ether
Concen: 47.649 ug/L
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 73 Resp: 380824

Ion	Ratio	Lower	Upper
73	100		
43	20.8	16.6	24.8
57	20.7	16.3	24.5



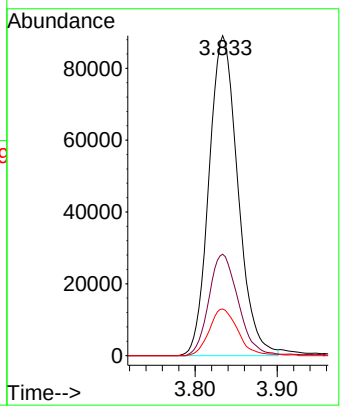
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

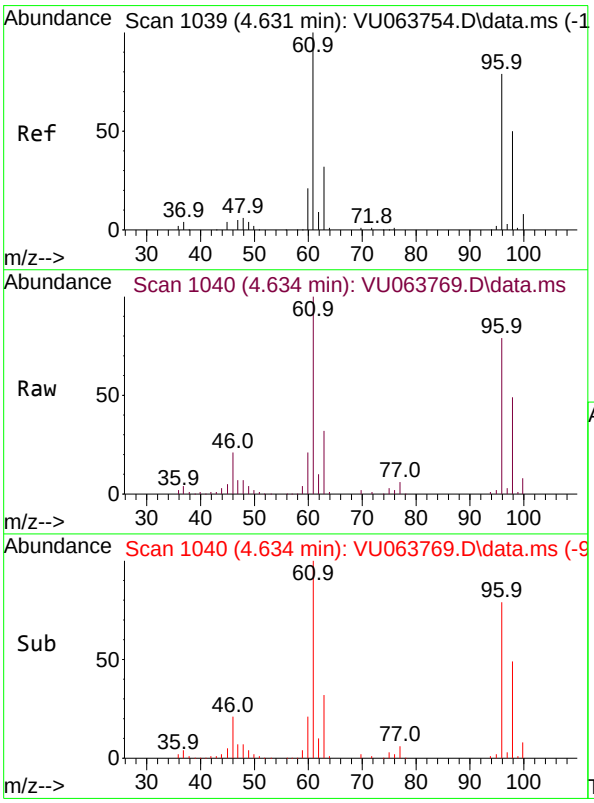


#19
1,1-Dichloroethane
Concen: 47.872 ug/L
RT: 3.833 min Scan# 791
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 63 Resp: 217843

Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.0	41.0
83	14.6	9.5	17.7

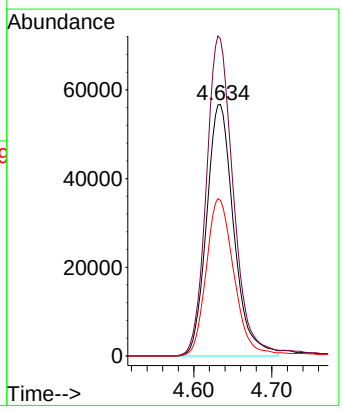




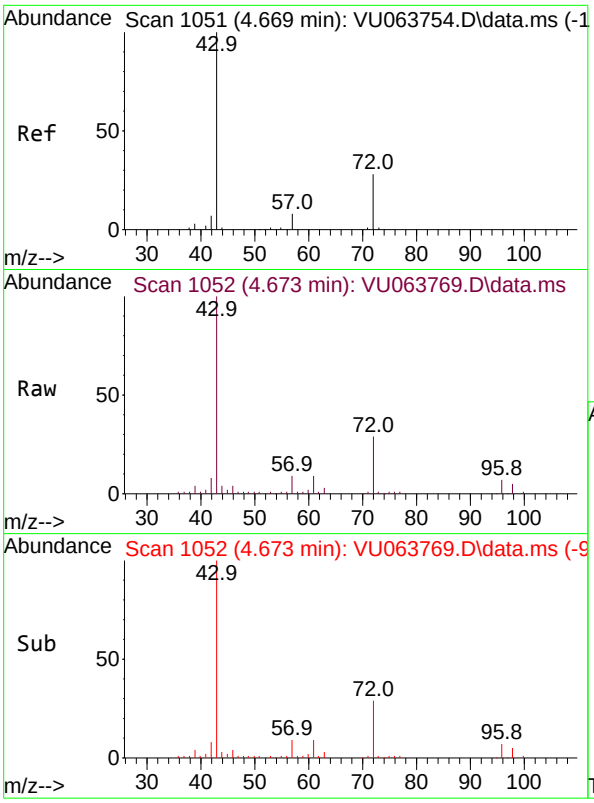
#20
cis-1,2-Dichloroethene
Concen: 50.569 ug/L
RT: 4.634 min Scan# 1040
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 96 Resp: 137463

Ion	Ratio	Lower	Upper
96	100		
61	126.0	90.3	167.7
98	61.9	46.3	86.1



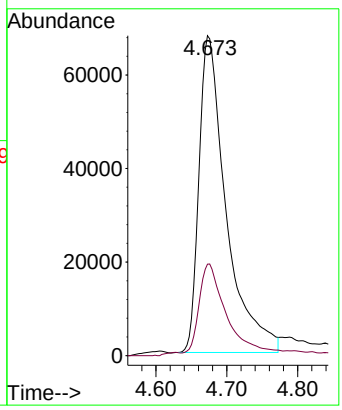
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

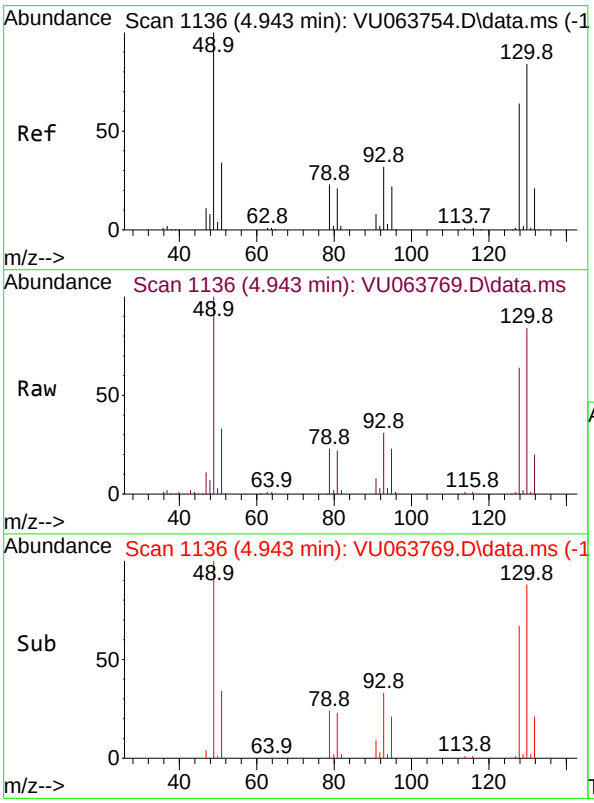


#22
2-Butanone
Concen: 71.902 ug/L
RT: 4.673 min Scan# 1052
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 43 Resp: 180590

Ion	Ratio	Lower	Upper
43	100		
72	28.0	13.6	40.7

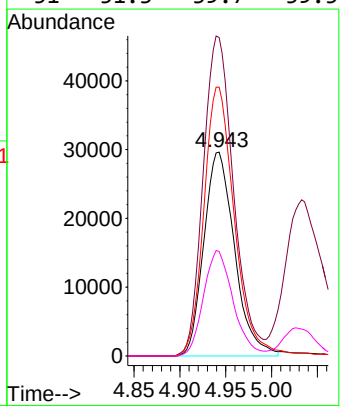


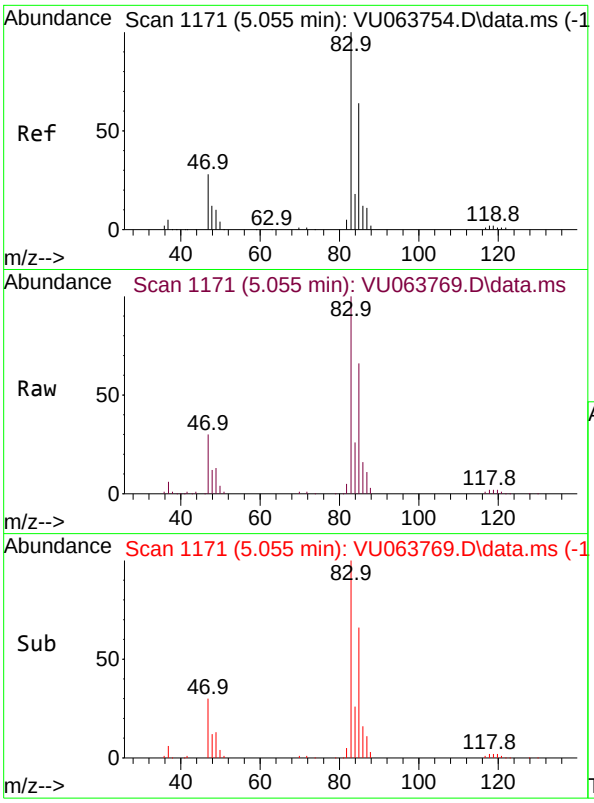


#23
Bromochloromethane
Concen: 49.288 ug/L
RT: 4.943 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:128 Resp: 68883

Ion	Ratio	Lower	Upper
128	100		
49	156.3	113.5	210.7
130	131.9	89.8	166.8
51	51.3	39.7	59.5

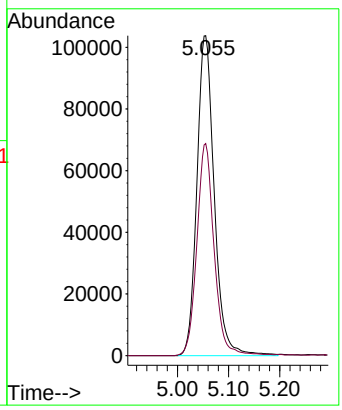




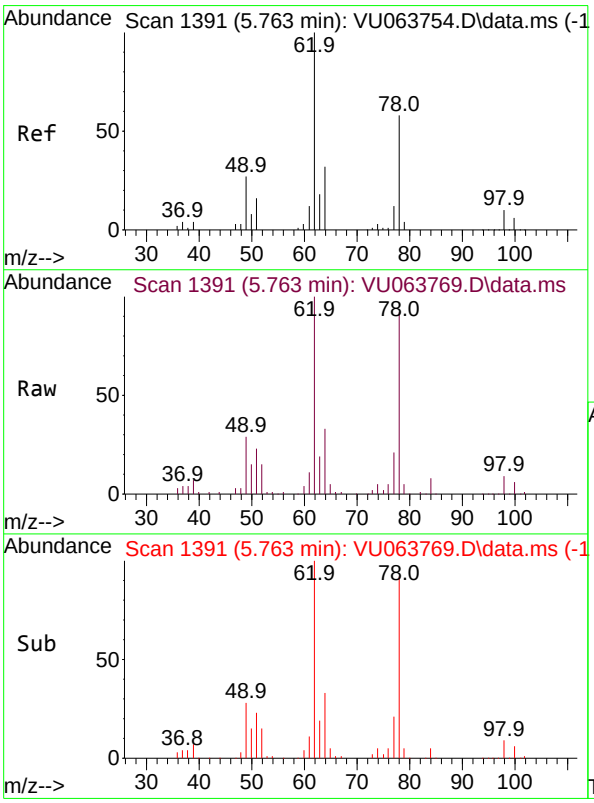
#25
Chloroform
Concen: 49.729 ug/L
RT: 5.055 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 83 Resp: 244947

Ion	Ratio	Lower	Upper
83	100		
85	66.3	45.4	84.4



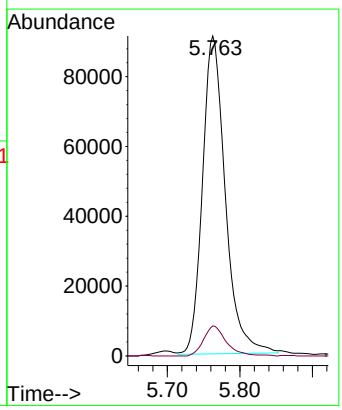
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

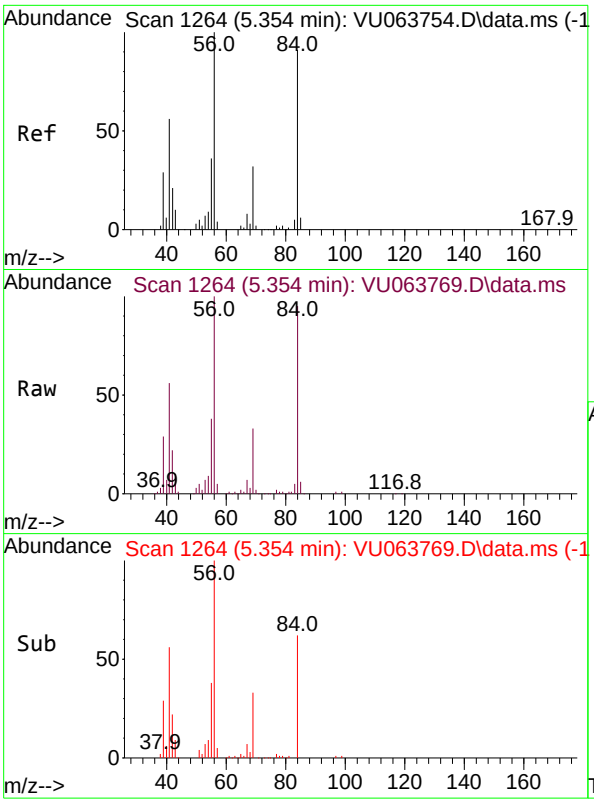


#27
1,2-Dichloroethane
Concen: 49.643 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 62 Resp: 199616

Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.6	11.4

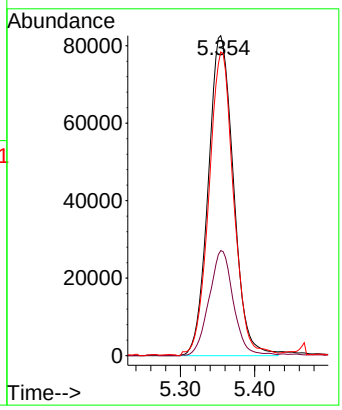




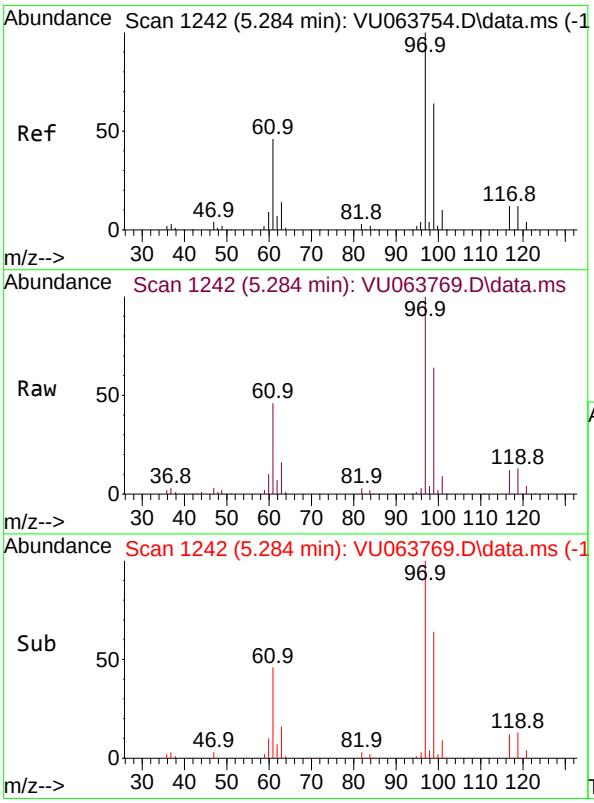
#29
Cyclohexane
Concen: 46.331 ug/L
RT: 5.354 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 56 Resp: 194837

Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.8	38.8
84	92.8	69.3	103.9



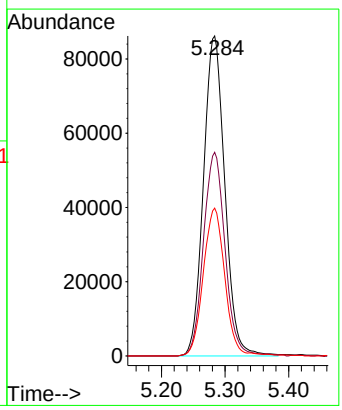
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD



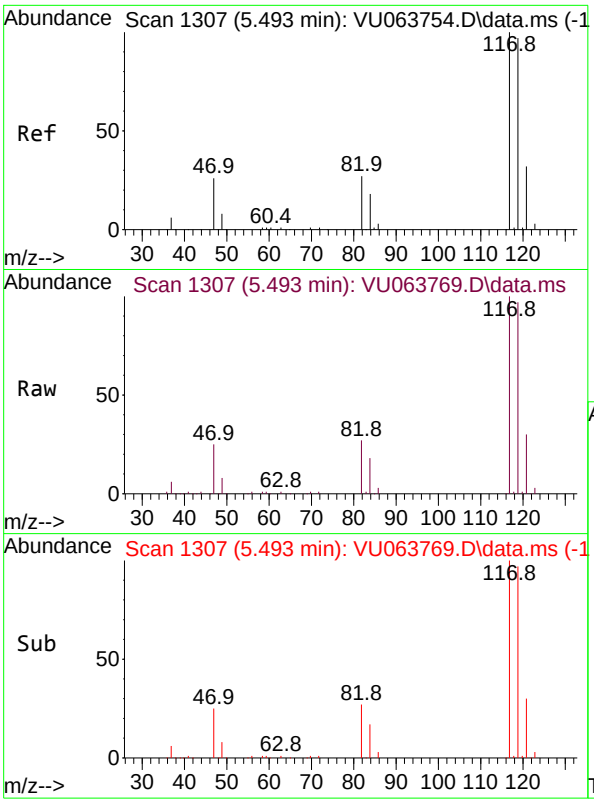
#30
1,1,1-Trichloroethane
Concen: 47.114 ug/L
RT: 5.284 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 97 Resp: 201082

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.7	76.1
61	45.9	37.2	55.8



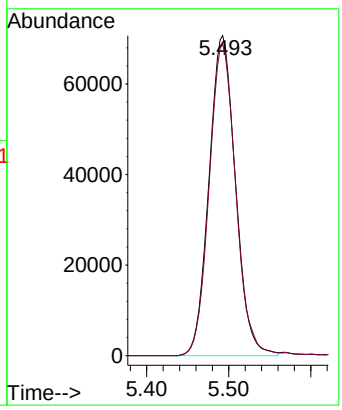
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

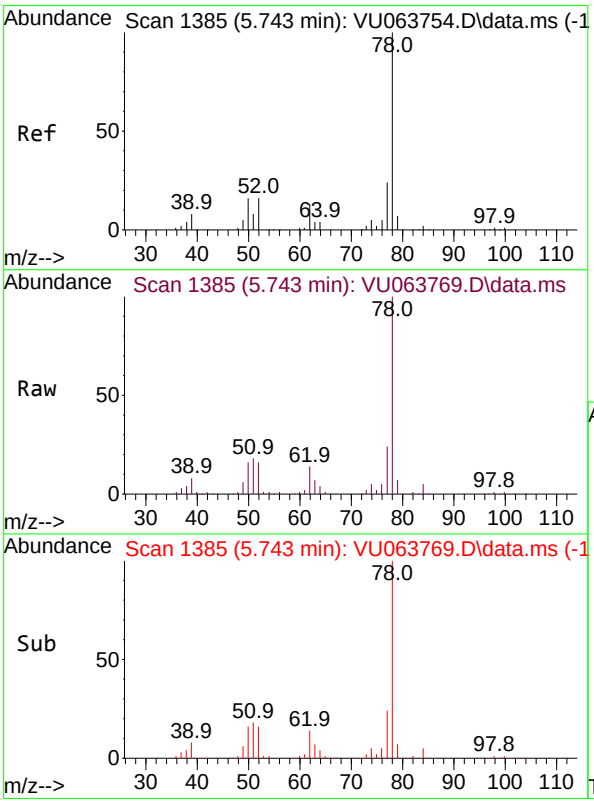


#31
Carbon tetrachloride
Concen: 47.293 ug/L
RT: 5.493 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:117 Resp: 158715

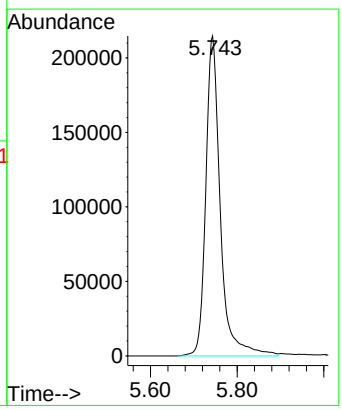
Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.0	114.0



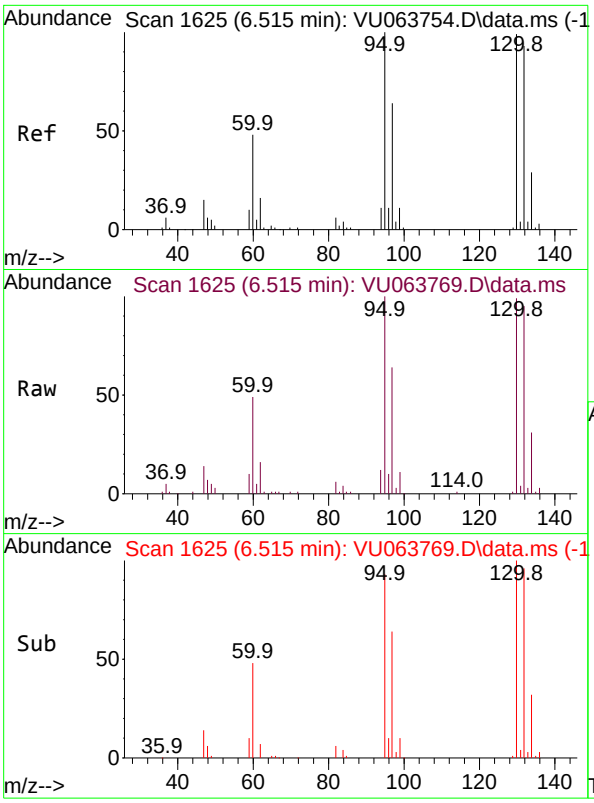


#33
Benzene
Concen: 48.898 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 78 Resp: 498474



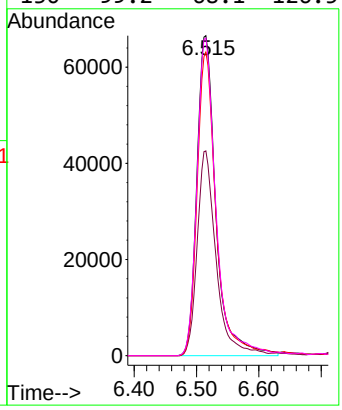
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

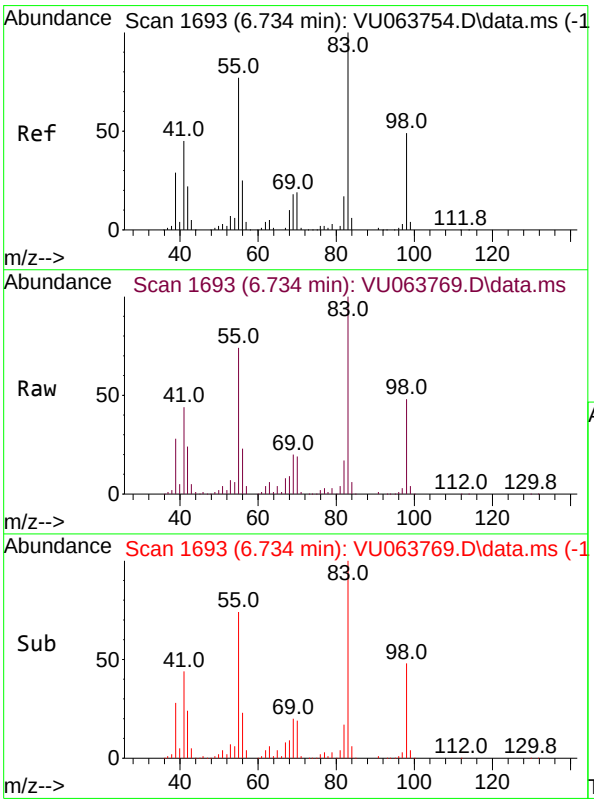


#34
Trichloroethene
Concen: 48.155 ug/L
RT: 6.515 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 95 Resp: 141520

Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.1	83.9
132	94.9	68.3	126.8
130	99.2	68.1	126.5

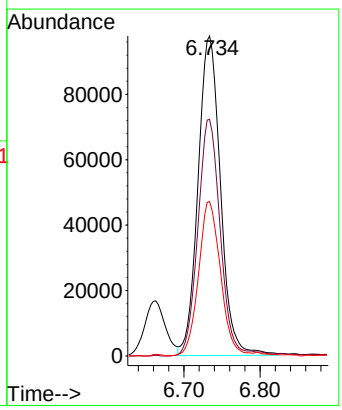




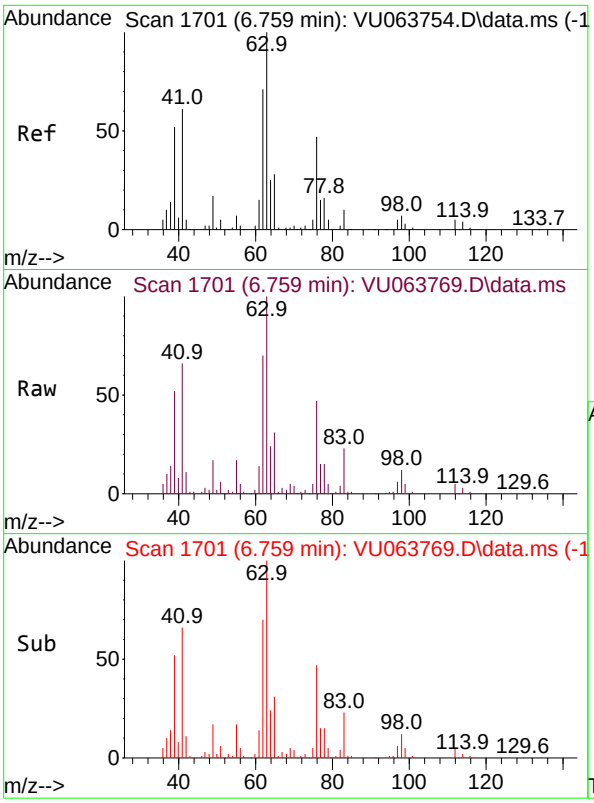
#35
Methylcyclohexane
Concen: 46.466 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 83 Resp: 200461

Ion	Ratio	Lower	Upper
83	100		
55	73.0	60.9	91.3
98	47.3	39.7	59.5



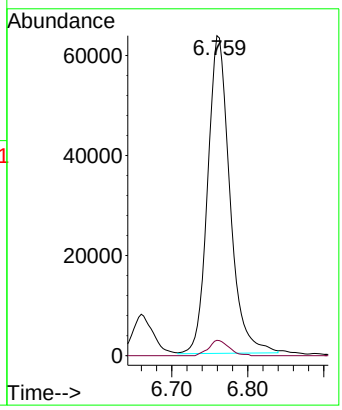
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

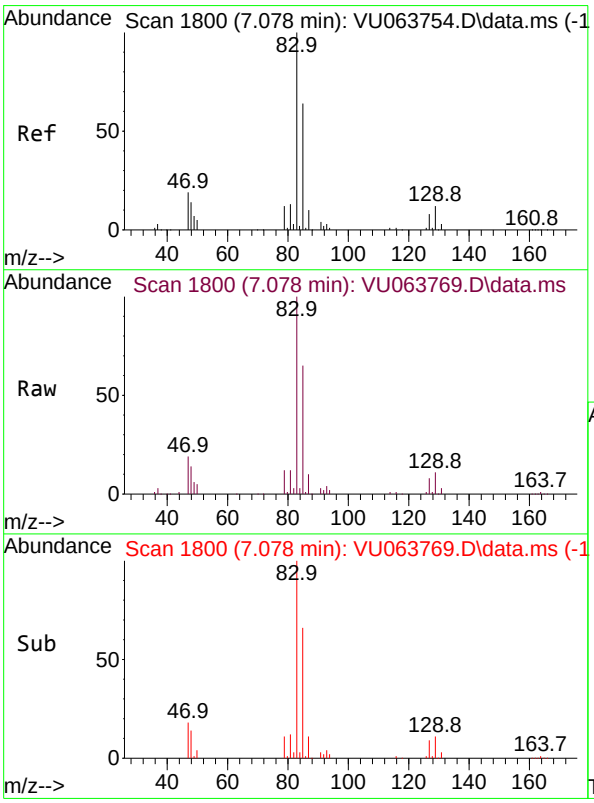


#37
1,2-Dichloropropane
Concen: 48.639 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 63 Resp: 128858

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.7	5.5

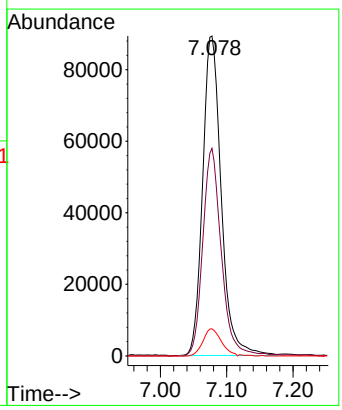




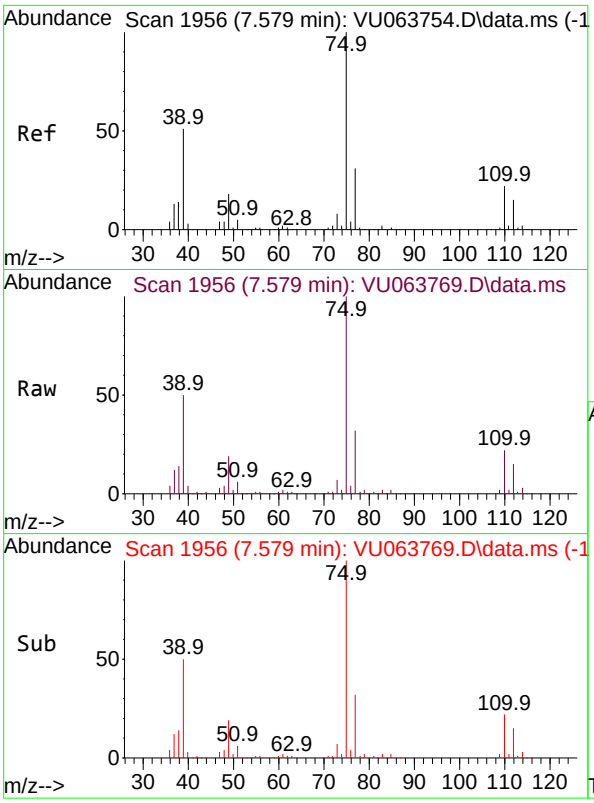
#38
Bromodichloromethane
Concen: 47.900 ug/L
RT: 7.078 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 83 Resp: 173773

Ion	Ratio	Lower	Upper
83	100		
85	64.8	43.1	80.1
127	8.5	6.6	10.0



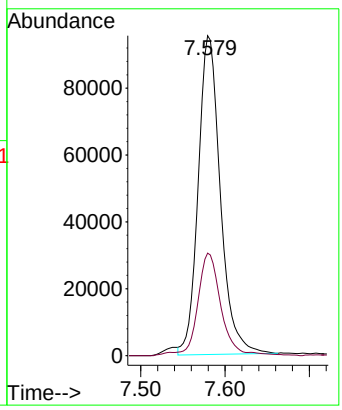
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

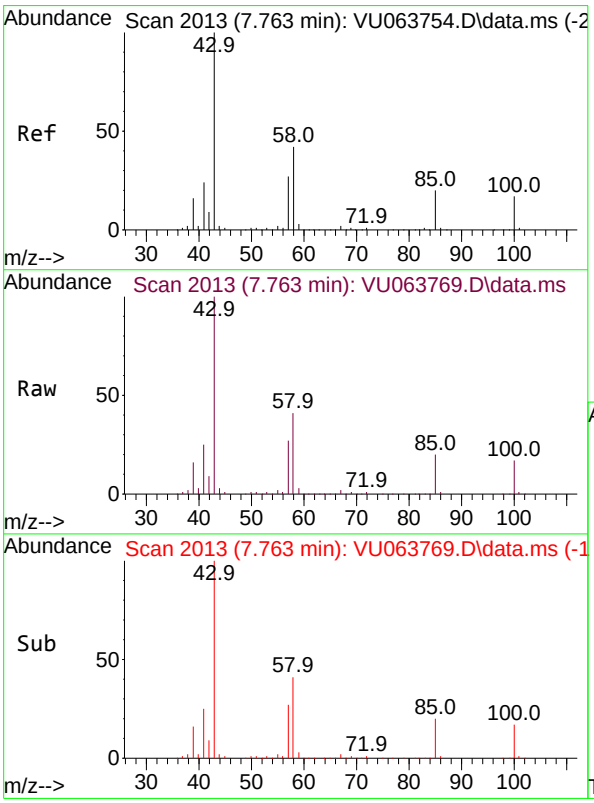


#39
cis-1,3-Dichloropropene
Concen: 44.263 ug/L
RT: 7.579 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 75 Resp: 173909

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.1	41.1

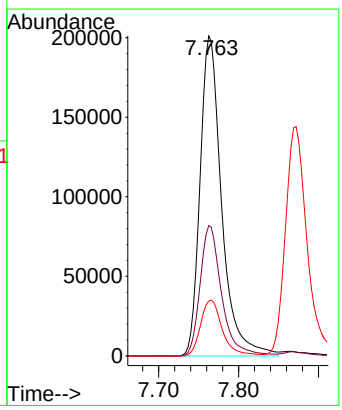


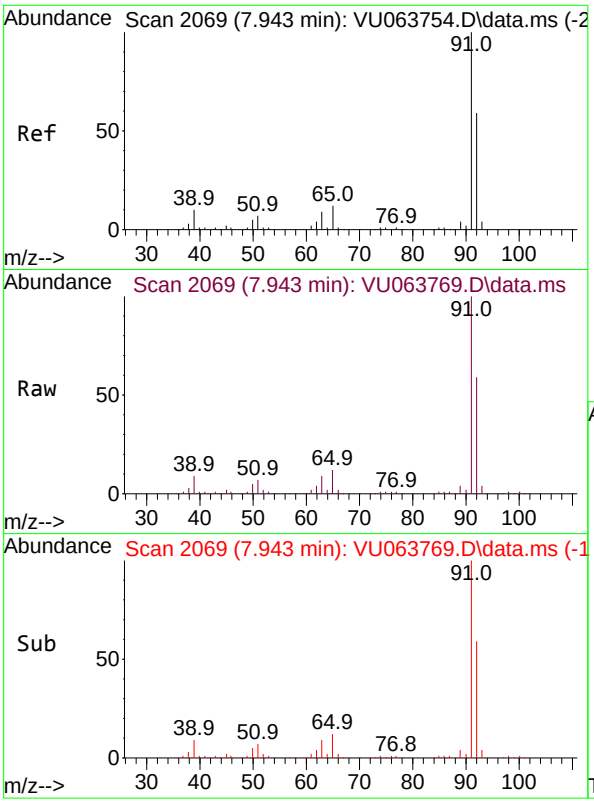


#40
4-Methyl-2-pentanone
Concen: 98.146 ug/L
RT: 7.763 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 43 Resp: 376367

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.9	49.3
100	17.6	13.9	20.9

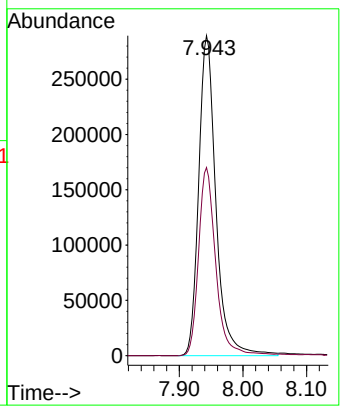




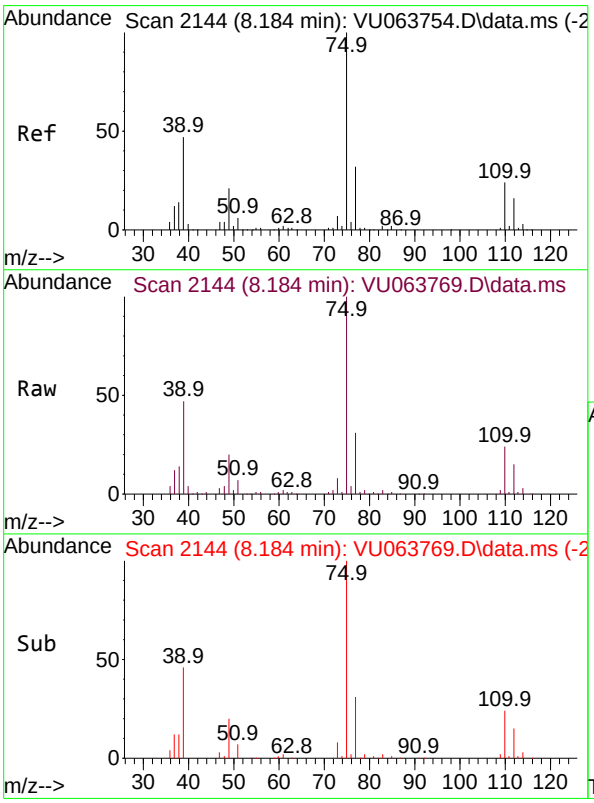
#42
Toluene
Concen: 48.313 ug/L
RT: 7.943 min Scan# 2069
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 91 Resp: 543735

Ion	Ratio	Lower	Upper
91	100		
92	58.8	41.2	76.4



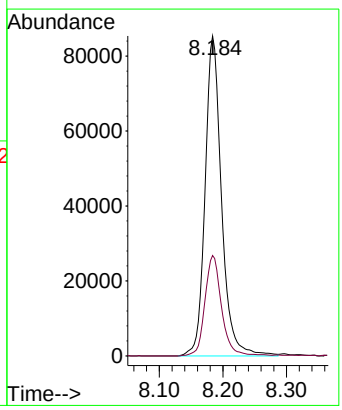
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

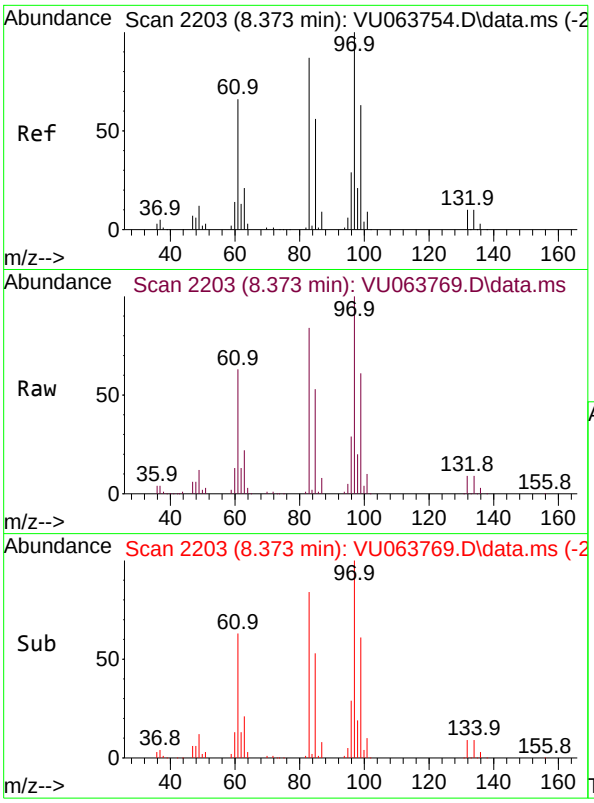


#44
trans-1,3-Dichloropropene
Concen: 44.756 ug/L
RT: 8.184 min Scan# 2144
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 75 Resp: 153497

Ion	Ratio	Lower	Upper
75	100		
77	31.4	21.4	39.8

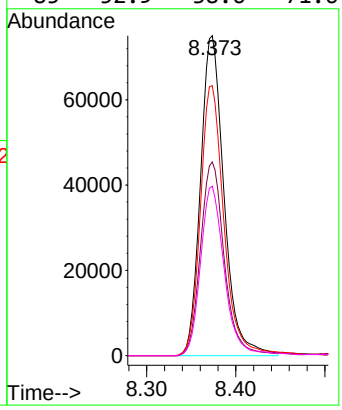




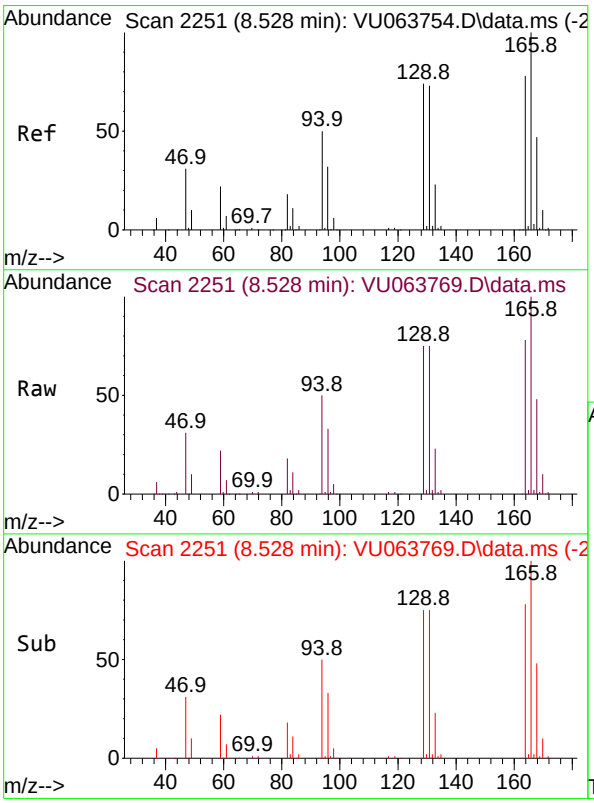
#45
1,1,2-Trichloroethane
Concen: 49.103 ug/L
RT: 8.373 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 97 Resp: 137577

Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.7	81.1
83	84.4	59.7	110.9
85	52.9	38.6	71.6



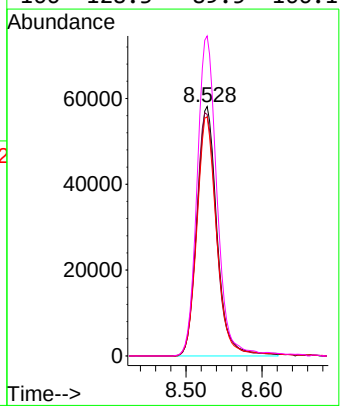
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MSVOA_U
ClientSampleId :
M-31SMSD

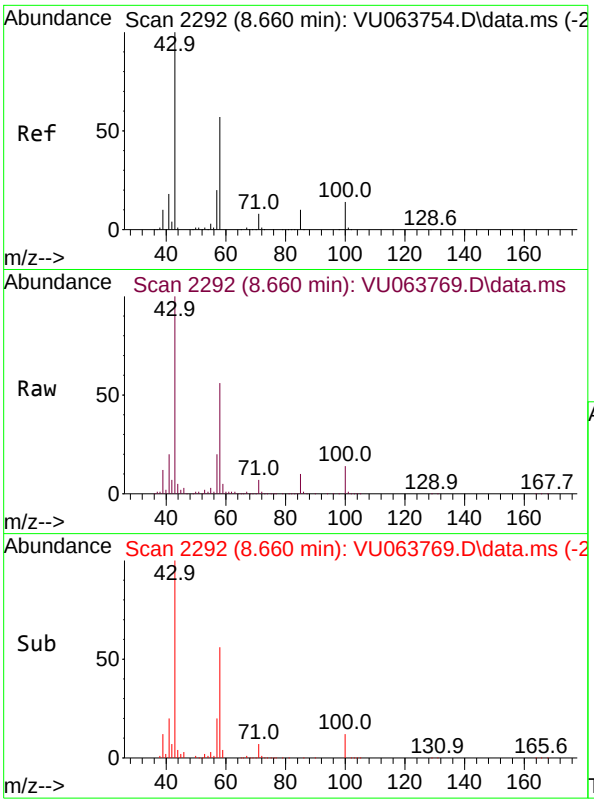


#46
Tetrachloroethene
Concen: 47.260 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:164 Resp: 106214

Ion	Ratio	Lower	Upper
164	100		
129	96.8	68.5	127.3
131	95.9	64.3	119.3
166	128.3	89.5	166.1

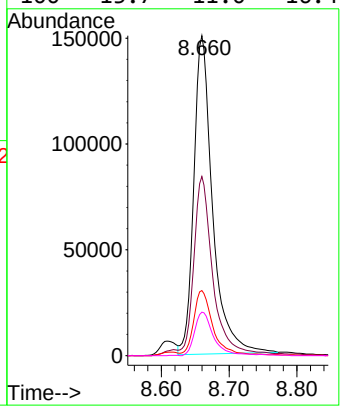




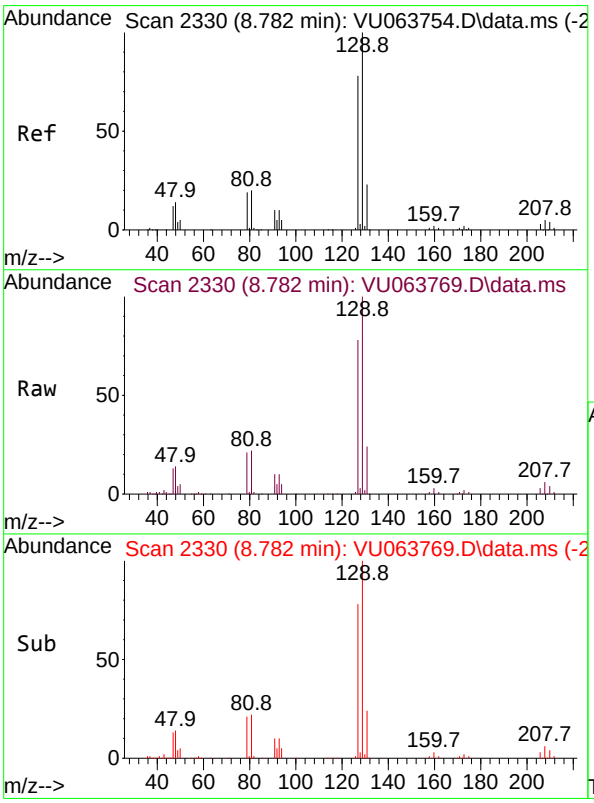
#48
2-Hexanone
Concen: 96.382 ug/L
RT: 8.660 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 43 Resp: 290095

Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.8	67.2
57	19.8	16.6	24.8
100	13.7	11.0	16.4



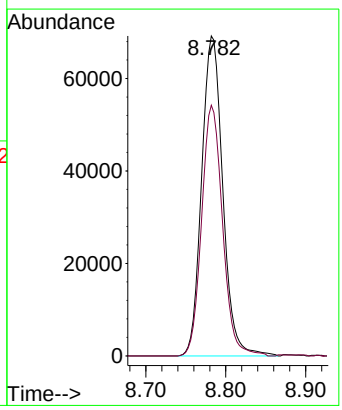
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD



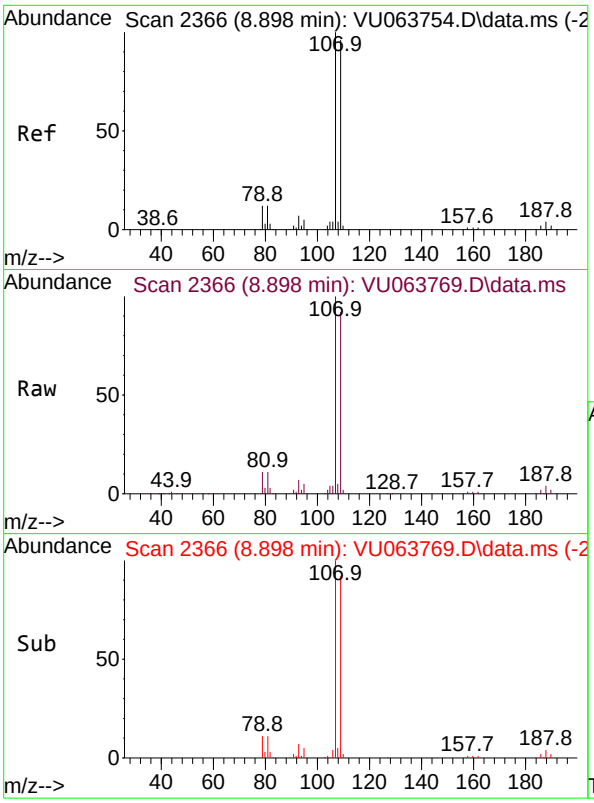
#49
Dibromochloromethane
Concen: 46.881 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:129 Resp: 126850

Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.4	99.2



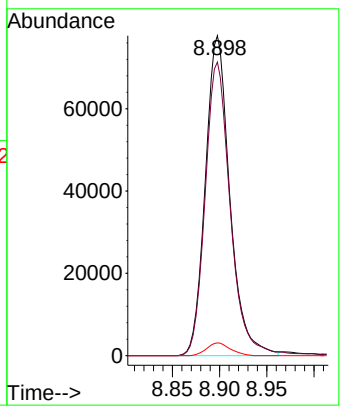
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

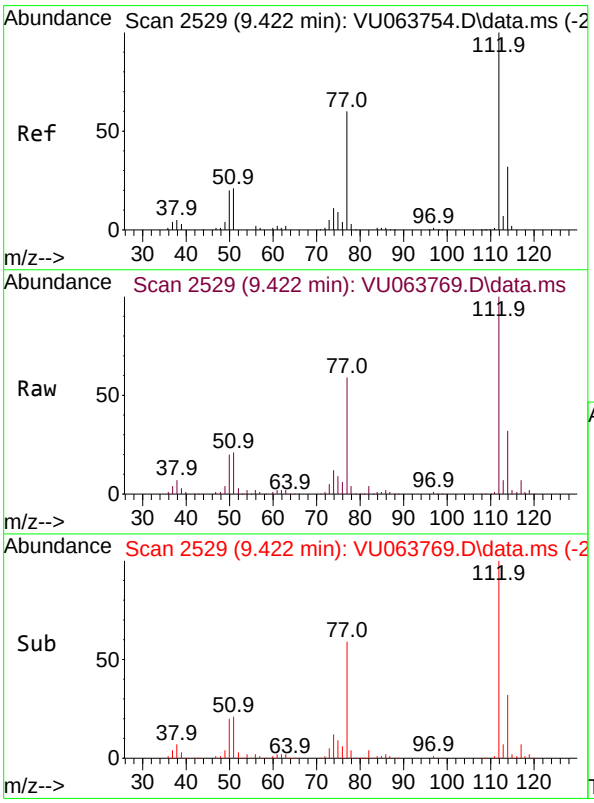


#50
1,2-Dibromoethane
Concen: 47.915 ug/L
RT: 8.898 min Scan# 2366
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:107 Resp: 140914

Ion	Ratio	Lower	Upper
107	100		
109	91.7	65.8	122.2
188	4.0	3.2	4.8

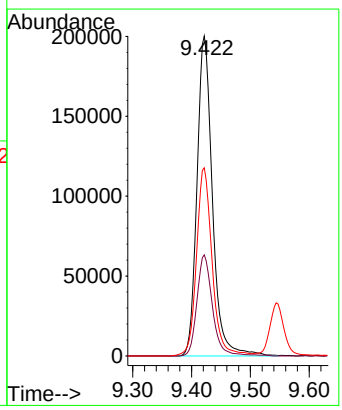




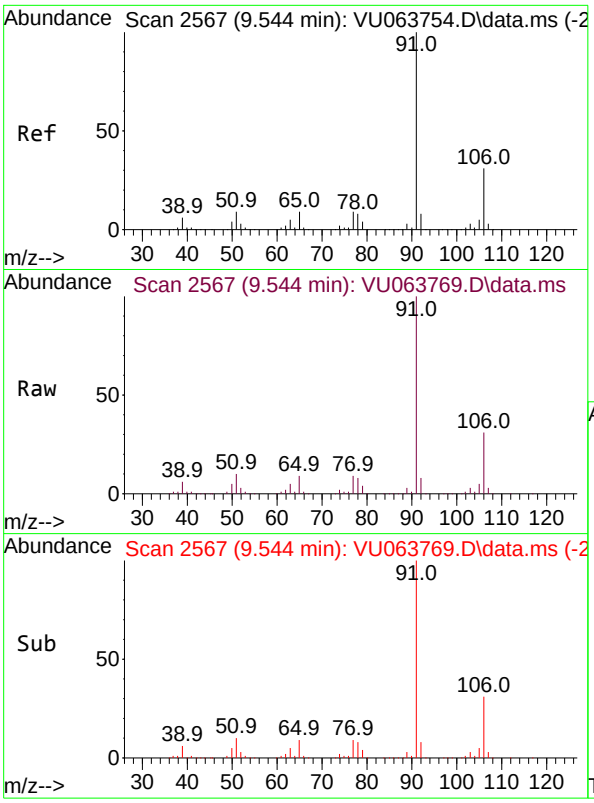
#51
Chlorobenzene
Concen: 48.125 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:112 Resp: 365504

Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.1	41.1
77	58.8	48.0	72.0



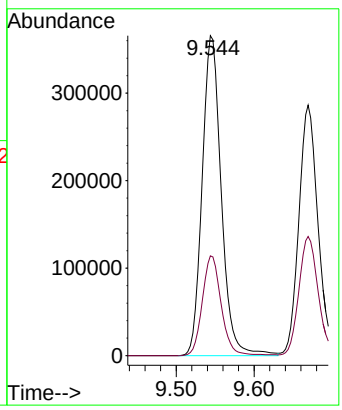
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

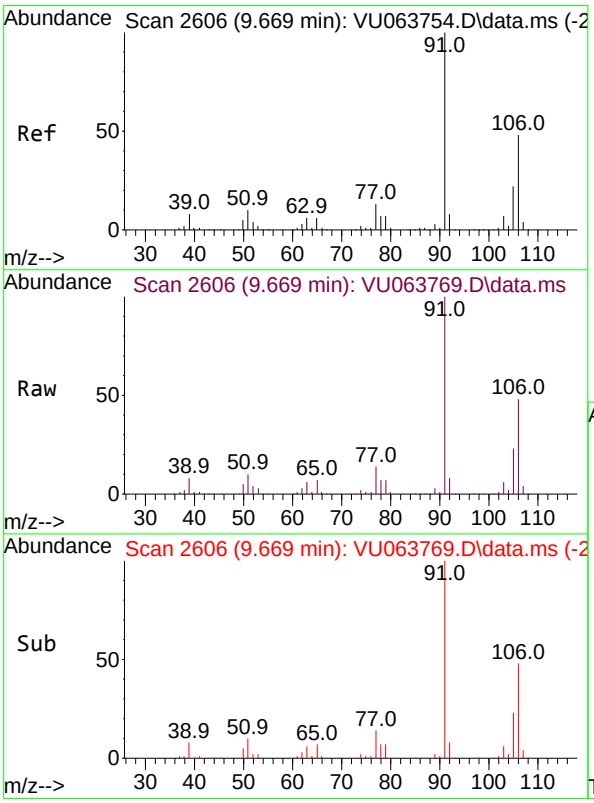


#52
Ethylbenzene
Concen: 47.636 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 91 Resp: 622514

Ion	Ratio	Lower	Upper
91	100		
106	31.2	21.3	39.6

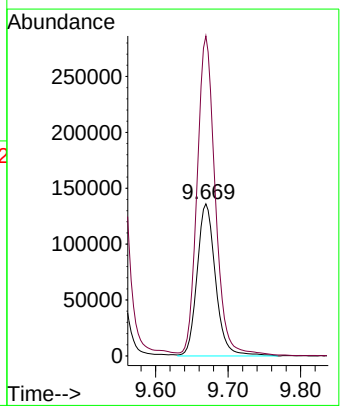




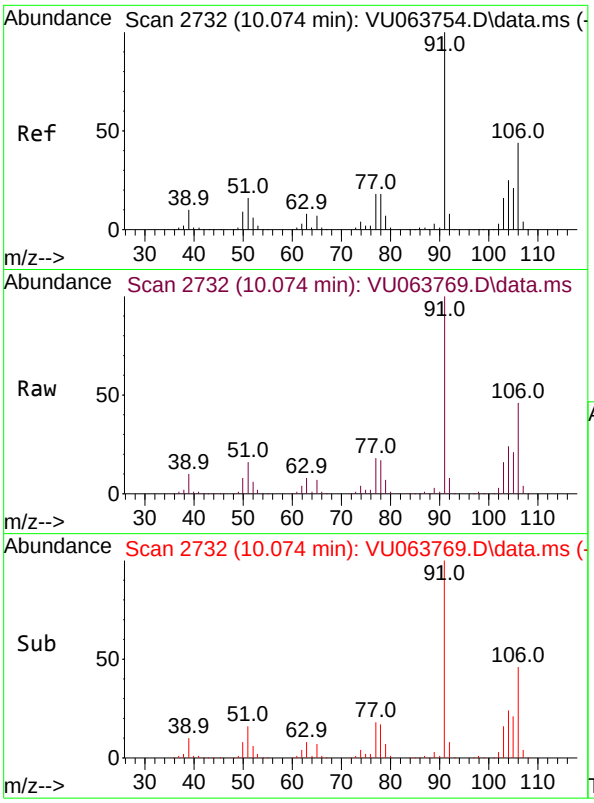
#53
m,p-Xylene
Concen: 48.216 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:106 Resp: 240158

Ion	Ratio	Lower	Upper
106	100		
91	210.3	143.6	266.6



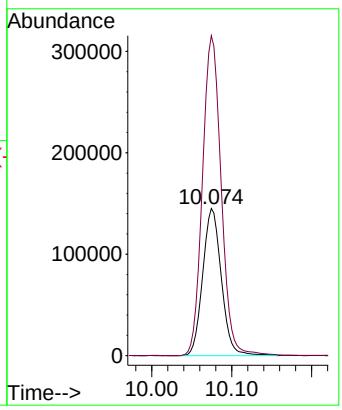
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

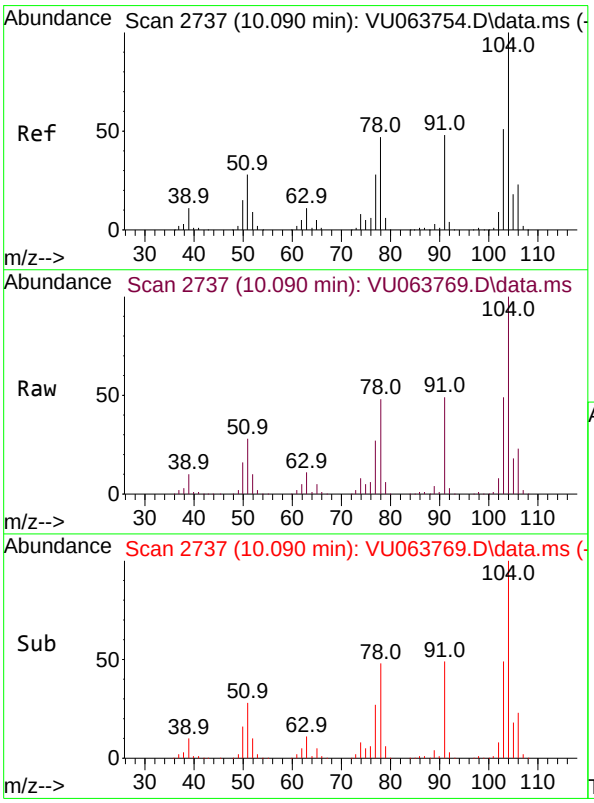


#54
o-Xylene
Concen: 48.349 ug/L
RT: 10.074 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:106 Resp: 234522

Ion	Ratio	Lower	Upper
106	100		
91	217.6	156.0	289.6

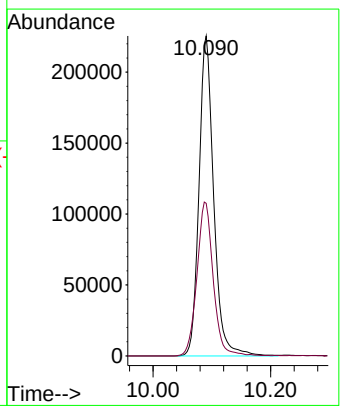




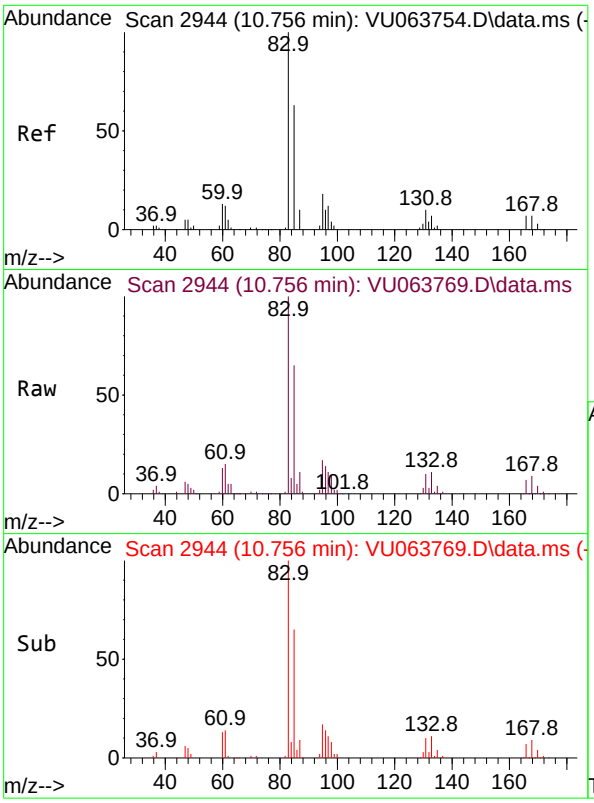
#55
Styrene
Concen: 49.699 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:104 Resp: 390606

Ion	Ratio	Lower	Upper
104	100		
78	47.7	32.0	59.4



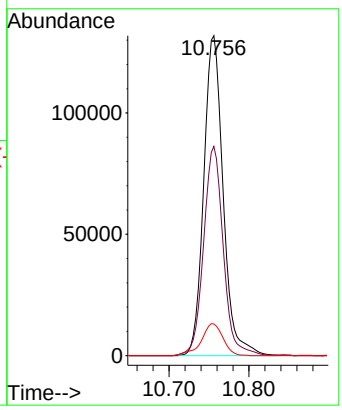
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

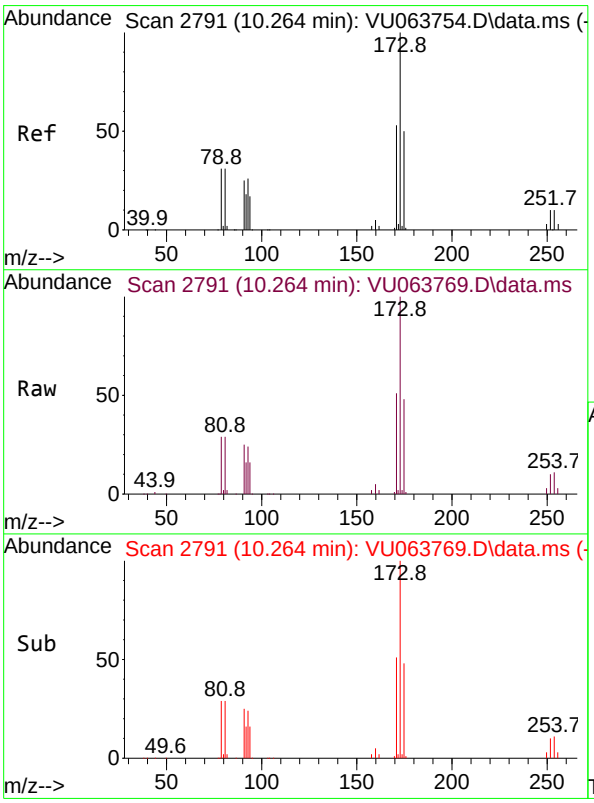


#57
1,1,2,2-Tetrachloroethane
Concen: 48.714 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 83 Resp: 222297

Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.7	84.9
131	9.9	7.4	11.2

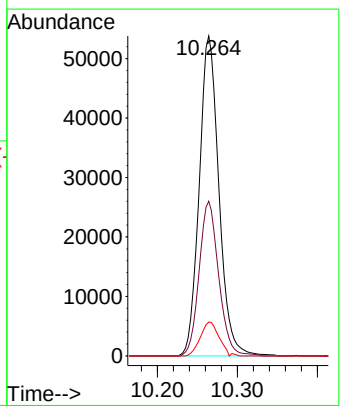




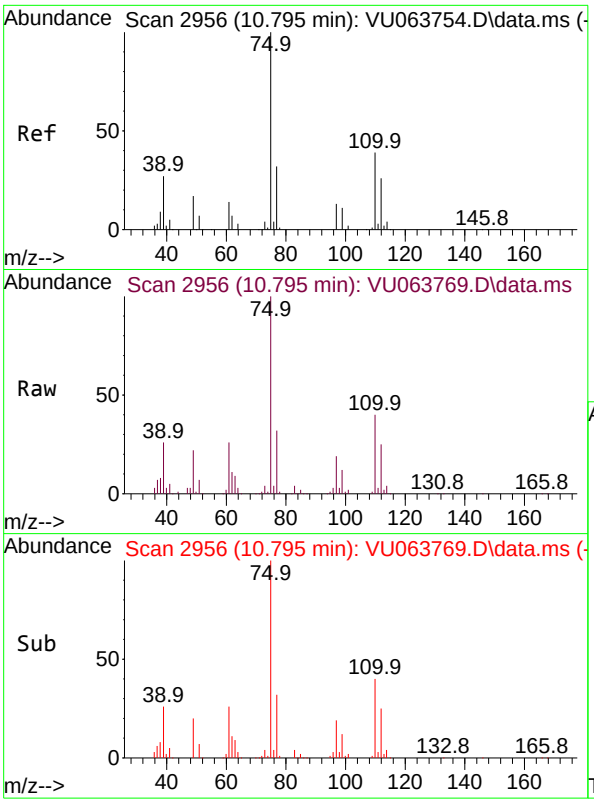
#59
Bromoform
Concen: 44.479 ug/L
RT: 10.264 min Scan# 2791
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:173 Resp: 91801

Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.2	57.4
254	9.9	6.9	10.3



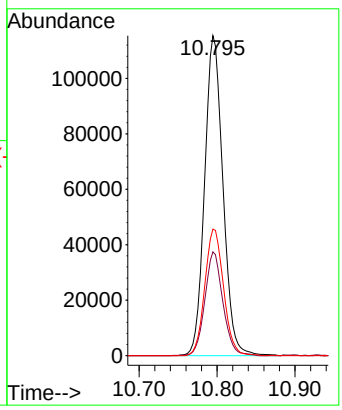
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

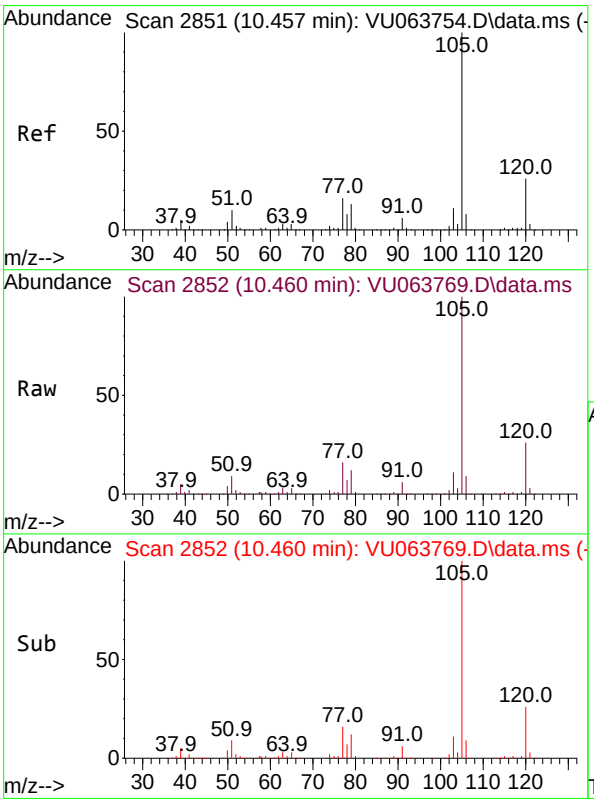


#60
1,2,3-Trichloropropane
Concen: 47.515 ug/L
RT: 10.795 min Scan# 2956
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 75 Resp: 188477

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.1	39.1
110	40.3	32.3	48.5

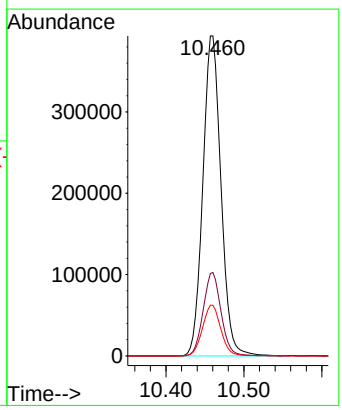




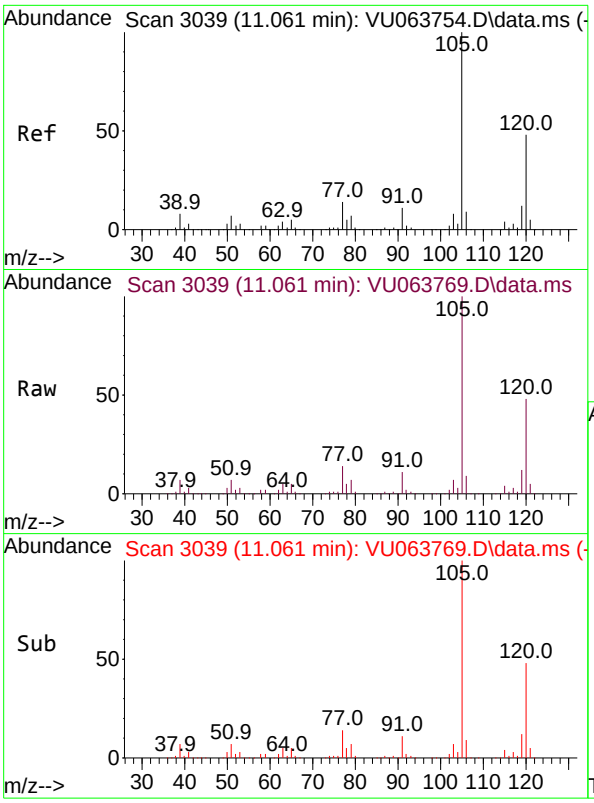
#61
Isopropylbenzene
Concen: 46.299 ug/L
RT: 10.460 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:105 Resp: 634787

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.7	31.1
77	16.0	12.9	19.3



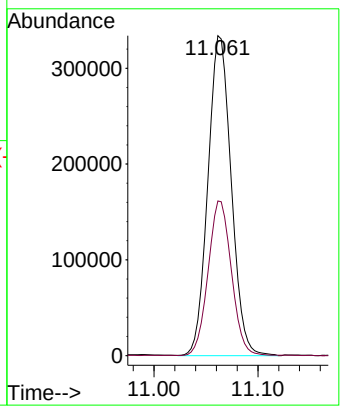
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

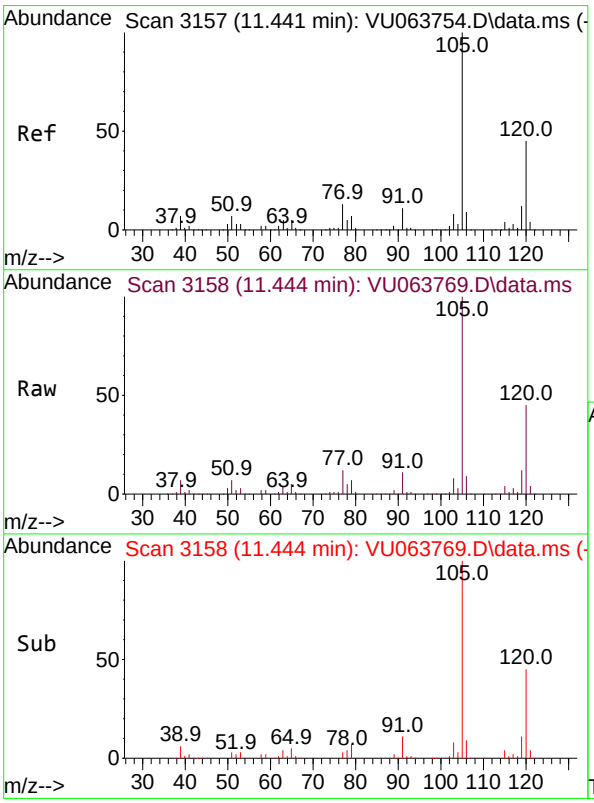


#62
1,3,5-Trimethylbenzene
Concen: 46.192 ug/L
RT: 11.061 min Scan# 3039
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:105 Resp: 520959

Ion	Ratio	Lower	Upper
105	100		
120	48.2	37.8	56.6

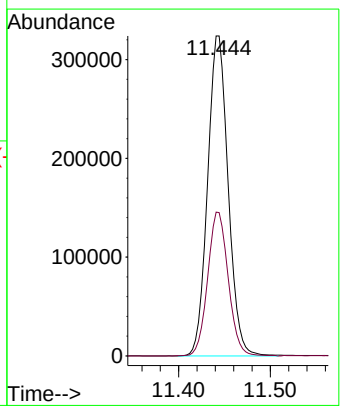




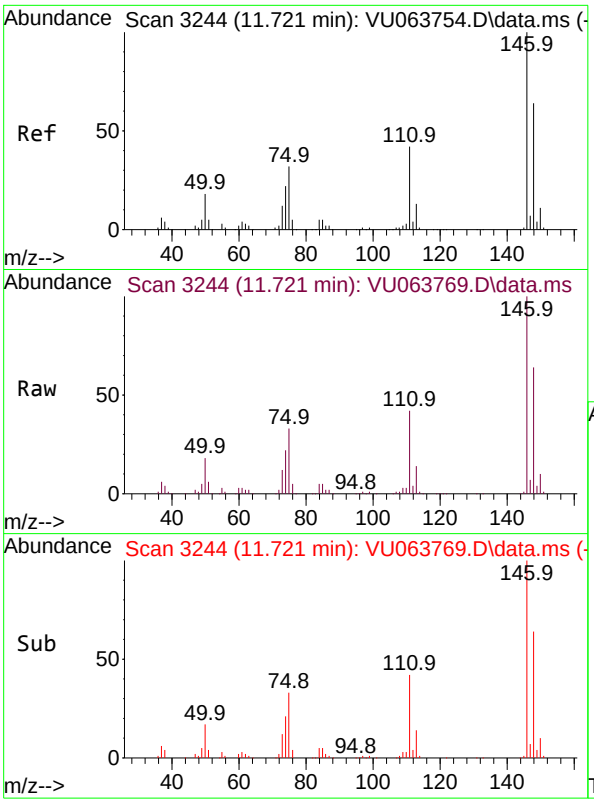
#63
1,2,4-Trimethylbenzene
Concen: 46.845 ug/L
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:105 Resp: 504302

Ion	Ratio	Lower	Upper
105	100		
120	44.9	35.6	53.4



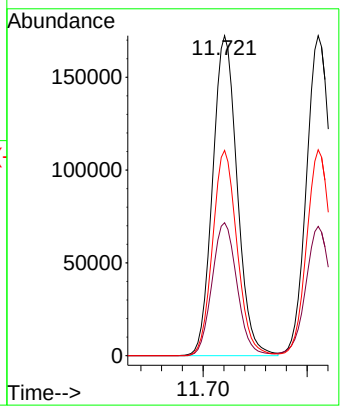
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

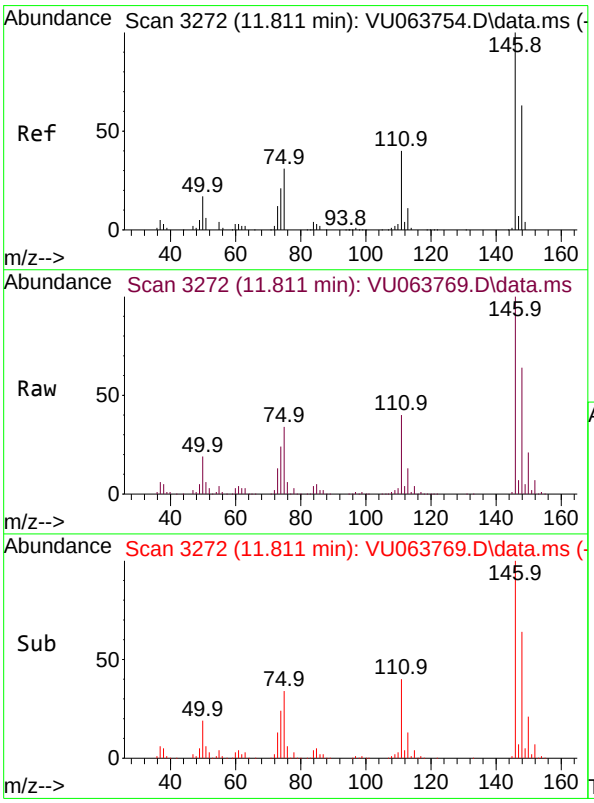


#64
1,3-Dichlorobenzene
Concen: 46.037 ug/L
RT: 11.721 min Scan# 3244
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:146 Resp: 282971

Ion	Ratio	Lower	Upper
146	100		
111	41.5	29.8	55.3
148	64.1	44.4	82.4

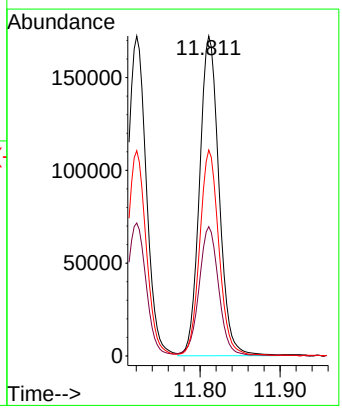




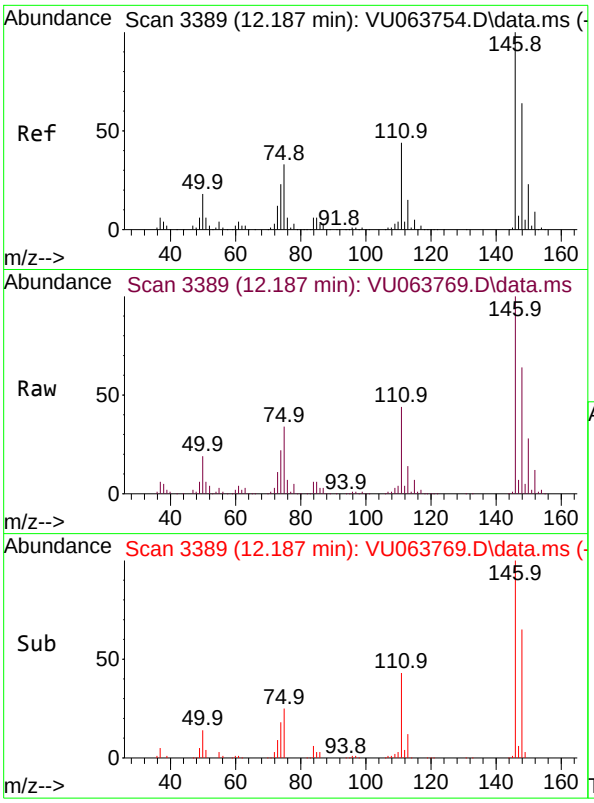
#65
1,4-Dichlorobenzene
Concen: 46.296 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:146 Resp: 291460

Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.8	53.4
148	64.4	44.9	83.3



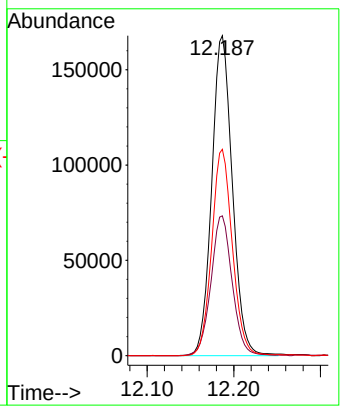
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

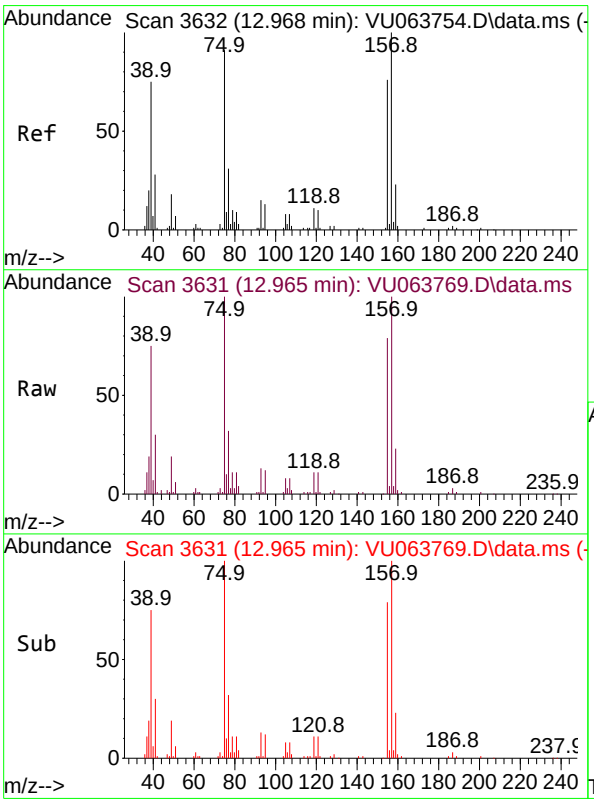


#67
1,2-Dichlorobenzene
Concen: 46.592 ug/L
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:146 Resp: 277649

Ion	Ratio	Lower	Upper
146	100		
111	43.7	34.2	51.4
148	64.5	49.6	74.4

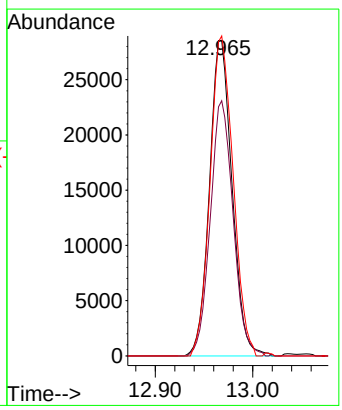




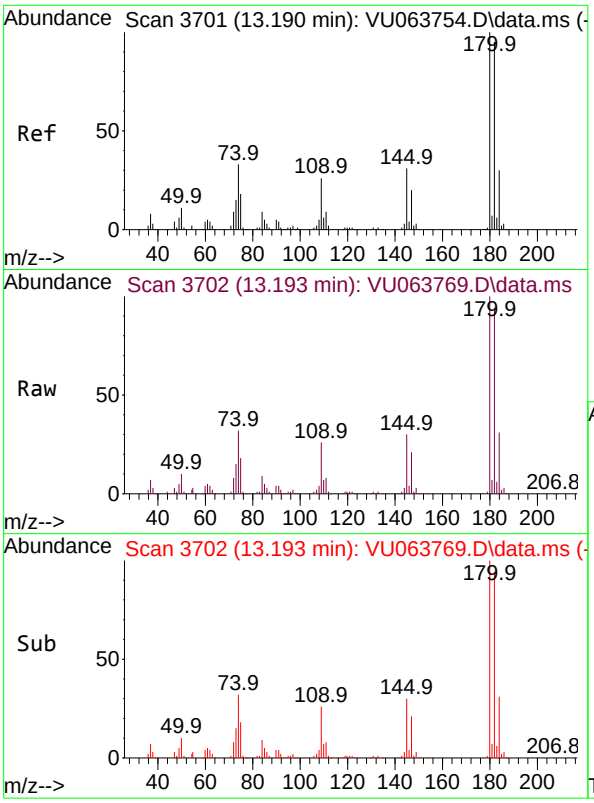
#68
1,2-Dibromo-3-chloropropane
Concen: 47.107 ug/L
RT: 12.965 min Scan# 3631
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 75 Resp: 46141

Ion	Ratio	Lower	Upper
75	100		
155	82.6	64.6	97.0
157	99.7	78.8	118.2



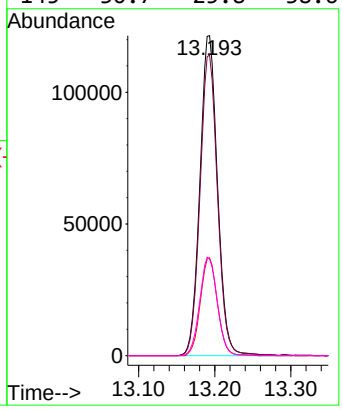
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

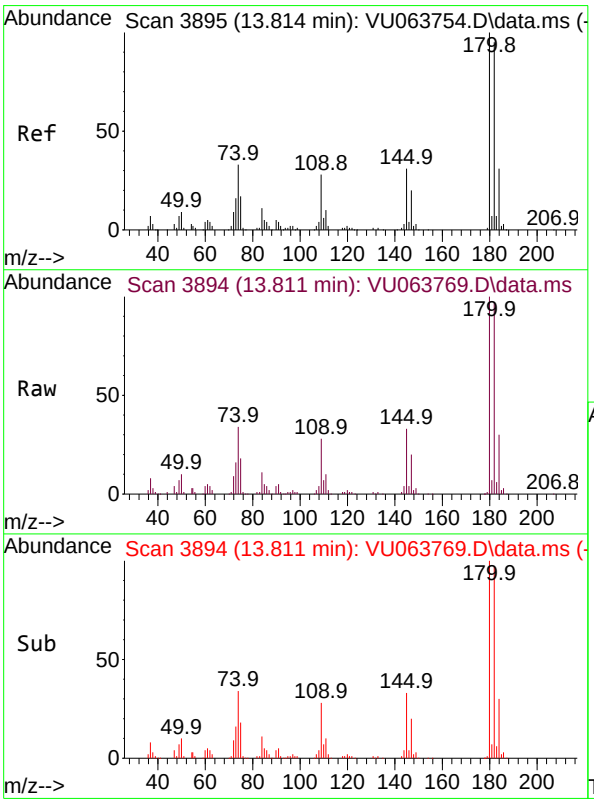


#69
1,3,5-Trichlorobenzene
Concen: 47.045 ug/L
RT: 13.193 min Scan# 3702
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:180 Resp: 195440

Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.4	114.6
184	29.4	24.4	36.6
145	30.7	25.8	38.6

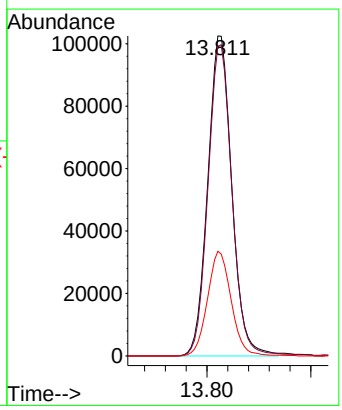




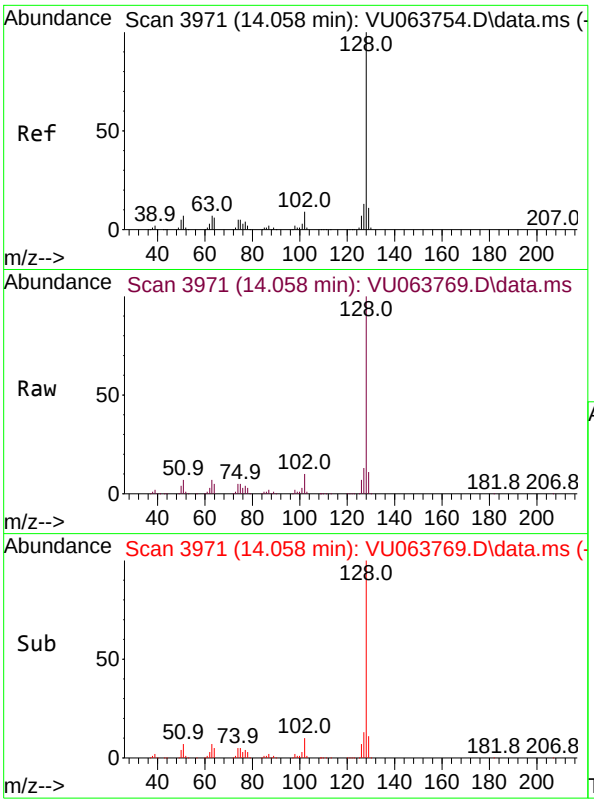
#70
1,2,4-trichlorobenzene
Concen: 47.558 ug/L
RT: 13.811 min Scan# 3894
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:180 Resp: 164746

Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	32.2	25.7	38.5



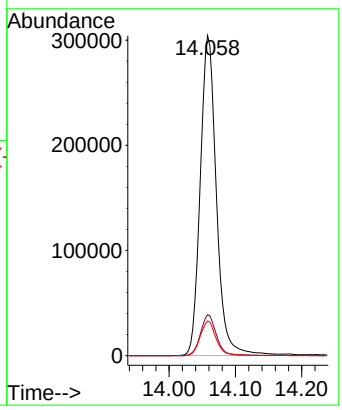
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

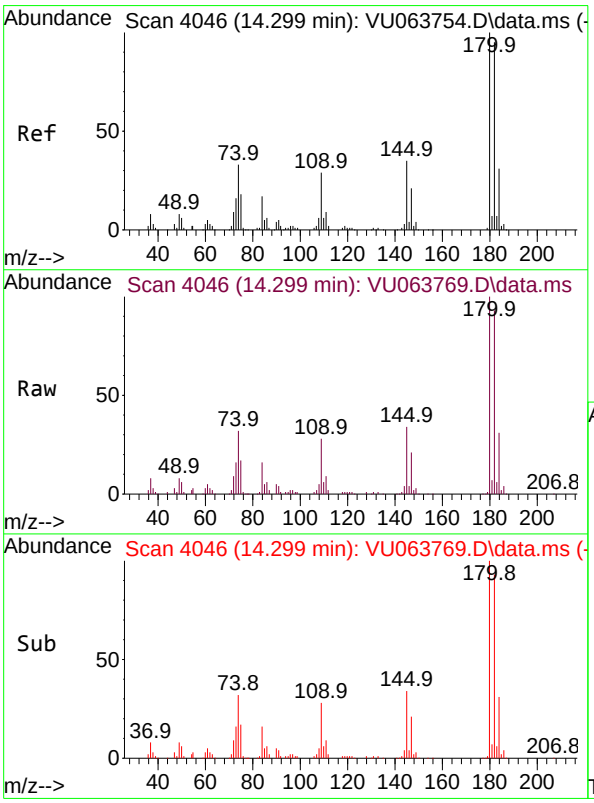


#71
Naphthalene
Concen: 55.819 ug/L
RT: 14.058 min Scan# 3971
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:128 Resp: 514590

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.5	8.7	13.1

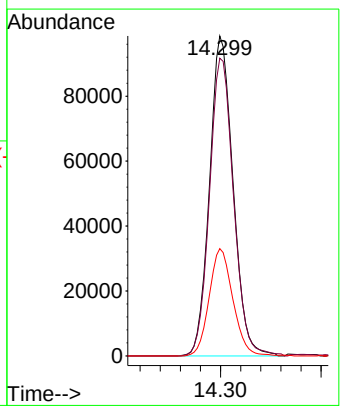




#72
1,2,3-Trichlorobenzene
Concen: 48.787 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:180 Resp: 160182

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.9	115.3
145	33.8	26.6	39.8



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063769.D
Acq On : 21 Nov 2025 14:57
Operator : MD/SY
Sample : Q3688-03MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31SMSD

Quant Time: Nov 21 22:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	339324	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	334237	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	181741	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	124914	42.630	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.260%			
7) Chloroethane-d5	1.891	69	99438	44.048	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.100%			
11) 1,1-Dichloroethene-d2	2.541	63	229971	45.278	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.560%			
21) 2-Butanone-d5	4.596	46	155036	92.809	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.810%			
24) Chloroform-d	5.030	84	233372	47.469	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.940%			
26) 1,2-Dichloroethane-d4	5.669	65	152759	47.253	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.500%			
32) Benzene-d6	5.695	84	429045	43.793	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.580%			
36) 1,2-Dichloropropane-d6	6.660	67	129795	45.128	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 90.260%			
41) Toluene-d8	7.872	98	417615	44.895	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.780%			
43) trans-1,3-Dichloroprop...	8.155	79	50132	42.179	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 84.360%			
47) 2-Hexanone-d5	8.608	63	97802	93.527	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 93.530%			
56) 1,1,2,2-Tetrachloroeth...	10.730	84	200020	47.556	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.120%			
66) 1,2-Dichlorobenzene-d4	12.168	152	157766	45.985	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	93673	47.433	ug/L	98
3) Chloromethane	1.509	50	101061	45.229	ug/L	100
5) Vinyl chloride	1.589	62	125800	48.422	ug/L	100
6) Bromomethane	1.837	94	84453	51.296	ug/L	99
8) Chloroethane	1.914	64	86157	49.683	ug/L	100
9) Trichlorofluoromethane	2.116	101	205086	50.050	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	116420	48.071	ug/L	98
12) 1,1-Dichloroethene	2.554	96	106170	47.933	ug/L	91
13) Acetone	2.602	43	129402	57.238	ug/L	99
14) Carbon disulfide	2.766	76	242999	42.117	ug/L	99
15) Methyl Acetate	2.927	43	131961	48.608	ug/L	99
16) Methylene chloride	3.014	84	124889	48.366	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	113141	47.910	ug/L	95
18) Methyl tert-butyl Ether	3.335	73	380824	47.649	ug/L	100
19) 1,1-Dichloroethane	3.833	63	217843	47.872	ug/L	99
20) cis-1,2-Dichloroethene	4.634	96	137463	50.569	ug/L	96
22) 2-Butanone	4.673	43	180590	71.902	ug/L	98
23) Bromochloromethane	4.943	128	68883	49.288	ug/L	96
25) Chloroform	5.055	83	244947	49.729	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
Data File : VU063769.D
Acq On : 21 Nov 2025 14:57
Operator : MD/SY
Sample : Q3688-03MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : M-31SMSD

Quant Time: Nov 21 22:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	199616	49.643	ug/L	100
29) Cyclohexane	5.354	56	194837	46.331	ug/L	95
30) 1,1,1-Trichloroethane	5.284	97	201082	47.114	ug/L	99
31) Carbon tetrachloride	5.493	117	158715	47.293	ug/L	98
33) Benzene	5.743	78	498474	48.898	ug/L	100
34) Trichloroethene	6.515	95	141520	48.155	ug/L	98
35) Methylcyclohexane	6.734	83	200461	46.466	ug/L	96
37) 1,2-Dichloropropane	6.759	63	128858	48.639	ug/L	99
38) Bromodichloromethane	7.078	83	173773	47.900	ug/L	96
39) cis-1,3-Dichloropropene	7.579	75	173909	44.263	ug/L	99
40) 4-Methyl-2-pentanone	7.763	43	376367	98.146	ug/L	99
42) Toluene	7.943	91	543735	48.313	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	153497	44.756	ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	137577	49.103	ug/L	98
46) Tetrachloroethene	8.528	164	106214	47.260	ug/L	98
48) 2-Hexanone	8.660	43	290095	96.382	ug/L	99
49) Dibromochloromethane	8.782	129	126850	46.881	ug/L	98
50) 1,2-Dibromoethane	8.898	107	140914	47.915	ug/L	98
51) Chlorobenzene	9.422	112	365504	48.125	ug/L	99
52) Ethylbenzene	9.544	91	622514	47.636	ug/L	99
53) m,p-Xylene	9.669	106	240158	48.216	ug/L	97
54) o-Xylene	10.074	106	234522	48.349	ug/L	97
55) Styrene	10.090	104	390606	49.699	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	222297	48.714	ug/L	100
59) Bromoform	10.264	173	91801	44.479	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	188477	47.515	ug/L	99
61) Isopropylbenzene	10.460	105	634787	46.299	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	520959	46.192	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	504302	46.845	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	282971	46.037	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	291460	46.296	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	277649	46.592	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	46141	47.107	ug/L	98
69) 1,3,5-Trichlorobenzene	13.193	180	195440	47.045	ug/L	98
70) 1,2,4-trichlorobenzene	13.811	180	164746	47.558	ug/L	98
71) Naphthalene	14.058	128	514590	55.819	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	160182	48.787	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Prep Standard - Chemical Standard Summary

Order ID : Q3688

Test : VOC-SFAM

Prepbatch ID :

Sequence ID/Qc Batch ID: VU112125,VU112425,VU111725

Standard ID :
VP134957,VP135423,VP136255,VP136256,VP136259,VP136260,VP136262,VP136264,VP136266,VP136268,VP136273,VP136276,VP136367,VP136368,VP136369,VP136376,VP136379,VP136380,VP136381,

Chemical ID :
MDL-VP136272,V13391,V13392,V13860,V14083,V14310,V14349,V14556,V14625,V14689,V14699,V14730,V14771,V14779,V14859,V14936,V14937,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
649	SOM01.2 Internal Standard, 250PPM	VP135423	09/11/2025	12/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/19/2025

FROM 0.50000ml of V14349 + 4.50000ml of V14625 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP136255	11/17/2025	11/18/2025	Mahesh Dadoda	None	None	Amit Patel 11/18/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
651	SOM01.2 Calibration Mix, 200PPM	VP136256	11/17/2025	01/17/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/18/2025

FROM 0.40000ml of V14699 + 0.50000ml of V13860 + 0.50000ml of V14083 + 0.50000ml of V14310 + 0.50000ml of V14556 + 0.50000ml of V14730 + 0.50000ml of V14779 + 0.50000ml of V14859 + 1.10000ml of V14937 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
650	SOM01.2 Surrogate, 100PPM	VP136259	11/17/2025	01/19/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/18/2025

FROM 1.00000ml of V14771 + 2.00000ml of V14689 + 2.00000ml of V14937 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
652	5 PPB ICC, SOM01.2LM-Water	VP136260	11/17/2025	11/18/2025	Mahesh Dadoda	None	None	Amit Patel 11/18/2025

FROM 39.98000ml of W3112 + 0.00100ml of VP136256 + 0.00200ml of VP136259 + 0.00800ml of VP135423 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
653	10 PPB ICC, SOM01.2LM-Water	VP136262	11/17/2025	11/18/2025	Mahesh Dadoda	None	None	Amit Patel 11/18/2025

FROM 39.98000ml of W3112 + 0.00200ml of VP136256 + 0.00400ml of VP136259 + 0.00800ml of VP135423 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
654	50 PPB ICC, SOM01.2LM-Water	VP136264	11/17/2025	11/18/2025	Mahesh Dadoda	None	None	Amit Patel 11/18/2025

FROM 39.96000ml of W3112 + 0.00800ml of VP135423 + 0.01000ml of VP136256 + 0.02000ml of VP136259 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
655	100 PPB ICC, SOM01.2LM-Water	VP136266	11/17/2025	11/18/2025	Mahesh Dadoda	None	None	Amit Patel 11/18/2025

FROM 39.93000ml of W3112 + 0.00800ml of VP135423 + 0.02000ml of VP136256 + 0.04000ml of VP136259 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
656	200 PPB ICC, SOM01.2LM-Water	VP136268	11/17/2025	11/18/2025	Mahesh Dadoda	None	None	Amit Patel 11/18/2025

FROM 39.87000ml of W3112 + 0.00800ml of VP135423 + 0.04000ml of VP136256 + 0.08000ml of VP136259 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1754	2.5 PPB MDL,SOM01.2LM-WATER	VP136273	11/17/2025	11/18/2025	Mahesh Dadoda	None	None	Amit Patel 11/18/2025

FROM 39.79000ml of W3112 + 0.00050ml of VP136256 + 0.00800ml of VP135423 + 0.02000ml of VP136259 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
657	50 PPB CCC-CCV, SOM01.2LM-Water	VP136276	11/17/2025	11/18/2025	Mahesh Dadoda	None	None	Amit Patel 11/18/2025

FROM 39.96000ml of W3112 + 0.00800ml of VP135423 + 0.01000ml of VP136256 + 0.02000ml of VP136259 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP136367	11/21/2025	11/22/2025	Mahesh Dadoda	None	None	Amit Patel 11/21/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
657	50 PPB CCC-CCV, SOM01.2LM-Water	VP136368	11/21/2025	11/22/2025	Mahesh Dadoda	None	None	Amit Patel 11/21/2025

FROM 39.96000ml of W3112 + 0.00800ml of VP135423 + 0.01000ml of VP136256 + 0.02000ml of VP136259 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
657	50 PPB CCC-CCV, SOM01.2LM-Water	VP136369	11/21/2025	11/22/2025	Mahesh Dadoda	None	None	Amit Patel 11/21/2025

FROM 39.96000ml of W3112 + 0.00800ml of VP135423 + 0.01000ml of VP136256 + 0.02000ml of VP136259 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP136376	11/24/2025	05/24/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/25/2025

FROM 0.50000ml of V13392 + 49.50000ml of V14936 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP136379	11/24/2025	11/25/2025	Mahesh Dadoda	None	None	Amit Patel 11/26/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP136376 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
657	50 PPB CCC-CCV, SOM01.2LM-Water	VP136380	11/24/2025	11/25/2025	Mahesh Dadoda	None	None	Amit Patel 11/26/2025

FROM 39.96000ml of W3112 + 0.00800ml of VP135423 + 0.01000ml of VP136256 + 0.02000ml of VP136259 = Final Quantity: 40.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
657	50 PPB CCC-CCV, SOM01.2LM-Water	VP136381	11/24/2025	11/25/2025	Mahesh Dadoda	None	None	Amit Patel 11/26/2025

FROM 39.96000ml of W3112 + 0.00800ml of VP135423 + 0.01000ml of VP136256 + 0.02000ml of VP136259 = Final Quantity: 40.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/24/2026	11/24/2025 / sam	01/13/2023 / SAM	V13392

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90319 / 1,3,5-Trimethylbenzene-2000 ug/mL	061923	09/24/2026	09/24/2025 / sam	06/22/2023 / SAM	V13860

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	94159 / CLP SOM01.1 Volatiles	012323	01/23/2026	09/24/2025 / sam	12/21/2023 / SAM	V14083

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90298 / Naphthalene, 2000 ug/ml	020123	03/24/2026	09/24/2025 / sam	04/17/2024 / SAM	V14310

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30091 / VOA Mix, CLP method L/C Internal Std 2500uq/ml, PT&M, 1ml/ampul	A0209905	09/11/2026	09/11/2025 / sam	05/03/2024 / SAM	V14349

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	94559 / 1,3,5-Trichlorobenzene, 2000 ug/mL, in methanol	051421	05/14/2026	09/24/2025 / sam	10/09/2024 / SAM	V14556

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30625 / VOA Stock Std, OLC 3.2 VOA Ketone Deuterated Monitoring Compounds, 1mL, 500ug/mL, d2O	A0219189	05/31/2026	11/04/2025 / sam	12/17/2024 / SAM	V14689

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	05/17/2026	11/17/2025 / sam	12/17/2024 / SAM	V14699

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/17/2026	11/17/2025 / sam	12/17/2024 / SAM	V14730

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30624 / VOA Stock Standard, OLC 3.2 VOA non-ketone, deuterated monitoring compounds, 1mL, 500ug/mL, Methanol-d	A0211457	05/04/2026	11/04/2025 / sam	12/17/2024 / SAM	V14771

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	31491 / 1,2,4-Trimethylbenzene 2000ppm	070122	09/24/2026	09/24/2025 / sam	01/02/2025 / SAM	V14779

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30429 / 1,2,3-Trichloropropane Standard, 2,000 ug/ml	A0218772	09/24/2026	09/24/2025 / sam	01/23/2025 / SAM	V14859

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	05/24/2026	11/24/2025 / sam	05/09/2025 / SAM	V14936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/30/2026	10/31/2025 / Amit	05/09/2025 / SAM	V14937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

10 ug/mL

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 94159
Lot Number: 012323
Description: CLP SOM 01.1 Volatiles
42 components
Expiration Date: 012326
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent: Methanol **Lot#** EF282-USQ1

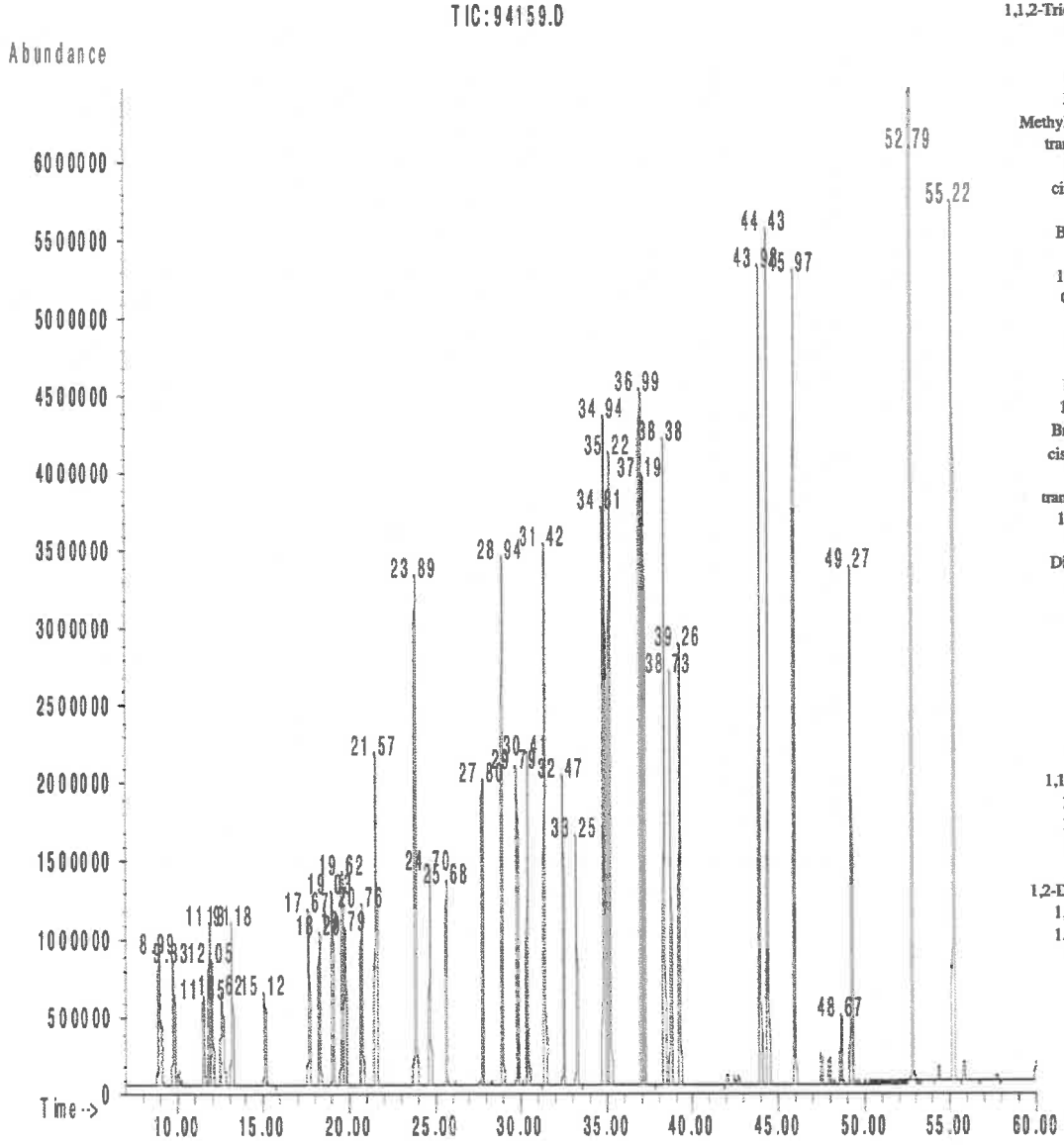
5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	012323 DATE
Reviewed By:	Pedro L. Rentas	012323 DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzene	93831	060616	0.10	10.00	0.042	20006.6	2000.6	18.7	71-43-2	1 ppm	orl-rat 4894mg/kg
2. Toluene	93831	060616	0.10	10.00	0.042	20002.8	2000.2	18.7	108-88-3	200 ppm	orl-rat 5000mg/kg
3. Ethyl benzene	93831	060616	0.10	10.00	0.042	20002.5	2000.2	18.7	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
4. o-Xylene	93831	060616	0.10	10.00	0.042	20003.8	2000.3	18.7	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
5. m-Xylene	93831	060616	0.10	10.00	0.042	10003.3	1000.3	9.4	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
6. p-Xylene	93831	060616	0.10	10.00	0.042	10005.2	1000.5	9.4	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
7. Bromodichloromethane	35171	100220	0.05	5.00	0.017	40018.8	2000.8	15.9	75-27-4	N/A	orl-rat 916mg/kg
8. Dibromochloromethane	35171	100220	0.05	5.00	0.017	40007.7	2000.3	15.9	124-48-1	N/A	orl-rat 848mg/kg
9. cis-1,2-Dichloroethene	35171	100220	0.05	5.00	0.017	40012.4	2000.5	15.8	156-59-2	N/A	N/A
10. trans-1,2-Dichloroethene	35171	100220	0.05	5.00	0.017	40005.6	2000.2	15.9	156-60-5	N/A	orl-rat 1235mg/kg
11. Methylene chloride	35171	100220	0.05	5.00	0.017	40013.9	2000.6	15.8	75-09-2	500 ppm	orl-rat 820mg/kg
12. 1,1-Dichloroethene	32251	031821	0.10	10.00	0.042	20009.1	2000.8	18.7	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
13. Bromochloromethane	94170	010616	0.10	10.00	0.042	20017.5	2001.7	18.7	74-97-5	200 ppm (1050mg/m3/8H)	orl-rat 5000mg/kg
14. Bromoform	94170	010616	0.10	10.00	0.042	20010.4	2000.9	18.7	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
15. Carbon tetrachloride	94170	010616	0.10	10.00	0.042	20006.0	2000.5	18.7	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
16. Chloroform	94170	010616	0.10	10.00	0.042	20019.5	2001.8	18.7	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
17. 1,1-Dichloroethane	94170	010616	0.10	10.00	0.042	20007.6	2000.7	18.7	75-34-3	100 ppm	orl-rat 725mg/kg
18. Tetrachloroethene	94170	010616	0.10	10.00	0.042	20015.7	2001.5	18.7	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
19. 1,1,1-Trichloroethane	94170	010616	0.10	10.00	0.042	20007.4	2000.6	18.7	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
20. 1,2-Dibromo-3-chloropropane	94171	010616	0.10	10.00	0.042	20015.3	2001.4	18.7	96-12-8	0.001 ppm	orl-rat 170mg/kg
21. 1,2-Dibromoethane	94171	010616	0.10	10.00	0.042	20017.3	2001.6	18.7	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
22. 1,2-Dichloroethane	94171	010616	0.10	10.00	0.042	20005.4	2000.4	18.7	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
23. 1,2-Dichloropropane	94171	010616	0.10	10.00	0.042	20006.4	2000.5	18.7	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
24. cis-1,3-Dichloropropene	94171	010616	0.10	10.00	0.042	20016.0	2001.5	18.7	10061-01-5	N/A	N/A
25. trans-1,3-Dichloropropene	94171	010616	0.10	10.00	0.042	20011.4	2001.0	18.7	10061-02-6	N/A	N/A
26. 1,1,2,2-Tetrachloroethane	94171	010616	0.10	10.00	0.042	20014.3	2001.3	18.7	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
27. 1,1,2-Trichloroethane	94171	010616	0.10	10.00	0.042	20024.9	2002.4	18.8	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
28. Trichloroethene	94171	010616	0.10	10.00	0.042	20012.9	2001.2	18.7	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
29. Chlorobenzene	99783	091118	0.10	10.00	0.042	20001.9	2000.1	18.7	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
30. 1,2-Dichlorobenzene	99783	091118	0.10	10.00	0.042	20002.9	2000.2	18.7	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
31. 1,3-Dichlorobenzene	99783	091118	0.10	10.00	0.042	20003.7	2000.3	18.7	541-73-1	N/A	ipr-mus 1062mg/kg
32. 1,4-Dichlorobenzene	99783	091118	0.10	10.00	0.042	20005.9	2000.5	18.7	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
33. Isopropylbenzene	99783	091118	0.10	10.00	0.042	20391.8	2039.1	19.0	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
34. 1,2,3-Trichlorobenzene	99783	091118	0.10	10.00	0.042	20003.7	2000.3	18.7	87-61-6	N/A	ipr-mus 1390mg/kg
35. 1,2,4-Trichlorobenzene	99783	091118	0.10	10.00	0.042	20084.7	2008.4	18.8	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
36. Styrene	32381	052120	0.10	10.00	0.042	20041.4	2004.0	18.7	100-42-5	100 ppm	orl-rat 5000mg/kg
37. Carbon disulphide	94173	010716	0.10	10.00	0.042	20001.9	2000.1	18.7	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
38. Cyclohexane	94173	010716	0.10	10.00	0.042	20002.0	2000.1	18.7	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
39. Methyl acetate	94173	010716	0.10	10.00	0.042	20002.4	2000.1	18.7	79-20-9	200 ppm (610mg/m3/8H)	orl-rbt 3705mg/kg
40. Methylcyclohexane	94173	010716	0.10	10.00	0.042	20001.7	2000.1	18.7	108-87-2	N/A	orl-mus 2250mg/kg
41. Methyl tert-butyl ether (MTBE)	94173	010716	0.10	10.00	0.042	20001.2	2000.0	18.7	1634-04-4	N/A	orl-rat 4g/kg
42. 1,1,2-Trichloro-1,2,2-trifluoroethane	94173	010716	0.10	10.00	0.042	20001.9	2000.1	18.7	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method: GC6MSD1. **Detector:** Mass Selective Detector. **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1=10min.), Temp. 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. **Analyst:** Gina McLane.



Retention Time (min.)	
1,1,2-Trichloro-1,2,2-trifluoroethane	8.99
1,1-Dichloroethene	9.83
Methyl acetate	11.55
Carbon disulphide	11.91
Methylene chloride	12.05
Methyl tert-butyl ether (MTBE)	12.62
trans-1,2-Dichloroethene	13.18
1,1-Dichloroethane	15.12
cis-1,2-Dichloroethene	17.67
Chloroform	18.29
Bromochloromethane	19.03
Cyclohexane	19.62
1,1,1-Trichloroethane	19.79
Carbon tetrachloride	20.76
Benzene	21.57
1,2-Dichloroethane	21.57
Trichloroethene	23.89
Methylcyclohexane	23.89
1,2-Dichloropropane	24.7
Bromodichloromethane	25.68
cis-1,3-Dichloropropene	27.8
Toluene	28.94
trans-1,3-Dichloropropene	29.79
1,1,2-Trichloroethane	30.41
Tetrachloroethene	31.42
Dibromochloromethane	32.47
1,2-Dibromoethane	33.25
Chlorobenzene	34.81
Ethylbenzene	34.94
m-Xylene	35.22
p-Xylene	35.22
o-Xylene	36.99
Styrene	37.19
Isopropylbenzene	38.38
Bromoform	38.73
1,1,2,2-Tetrachloroethane	39.26
1,3-Dichlorobenzene	43.98
1,4-Dichlorobenzene	44.43
1,2-Dichlorobenzene	45.97
impurity	48.67
1,2-Dibromo-3-chloropropane	49.27
1,2,4-Trichlorobenzene	52.79
1,2,3-Trichlorobenzene	55.22

Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

10

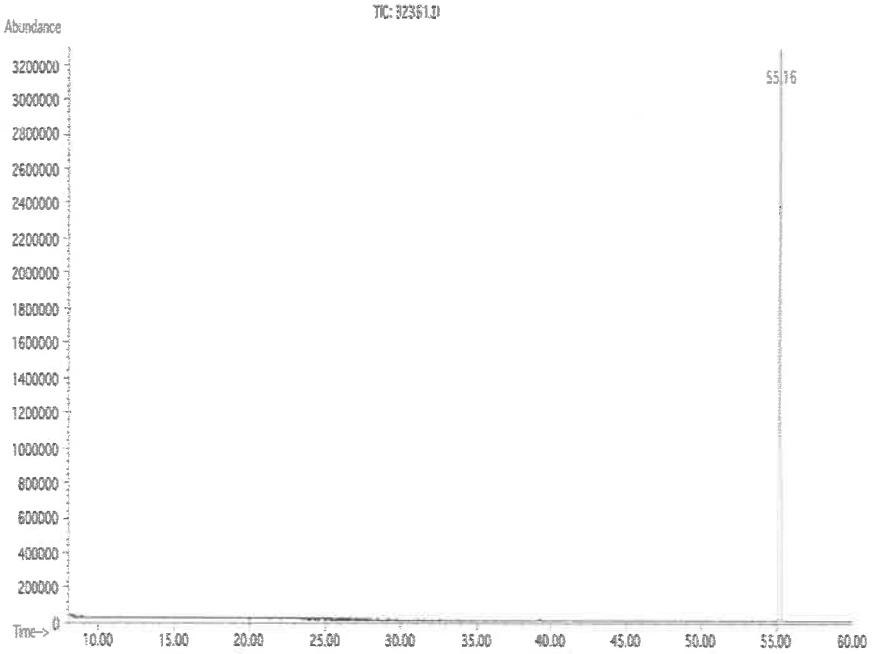
CERTIFIED WEIGHT REPORT

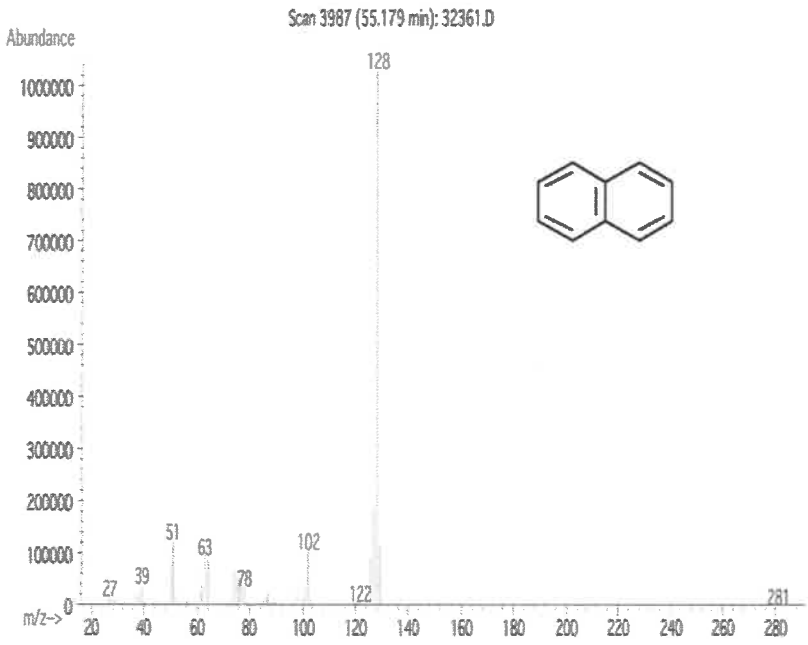
Part Number:	**90298**	**Solvent(s):**	**Lot#**	
Lot Number:	020123	Methanol	EF282-US	
Description:	Naphthalene			
Expiration Date:	020128			
Recommended Storage:	Refrigerate (4 °C)			
Nominal Concentration (µg/mL):	2000			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):	100.0	0.012	Flask Uncertainty	

		020123
Formulated By:	Justin Dippold	DATE
		020123
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Naphthalene	32361	011623	0.10	10.00	0.042	20000.3	1999.9	18.7	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg

Method: GC6MSD-1. **Detector:** MSD (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1=35°C (Time 1=10min.), Temp. 2=200°C (Time 2=8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 94559
Lot Number: 051421
Description: 1,3,5-Trichlorobenzene

Expiration Date: 051426
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

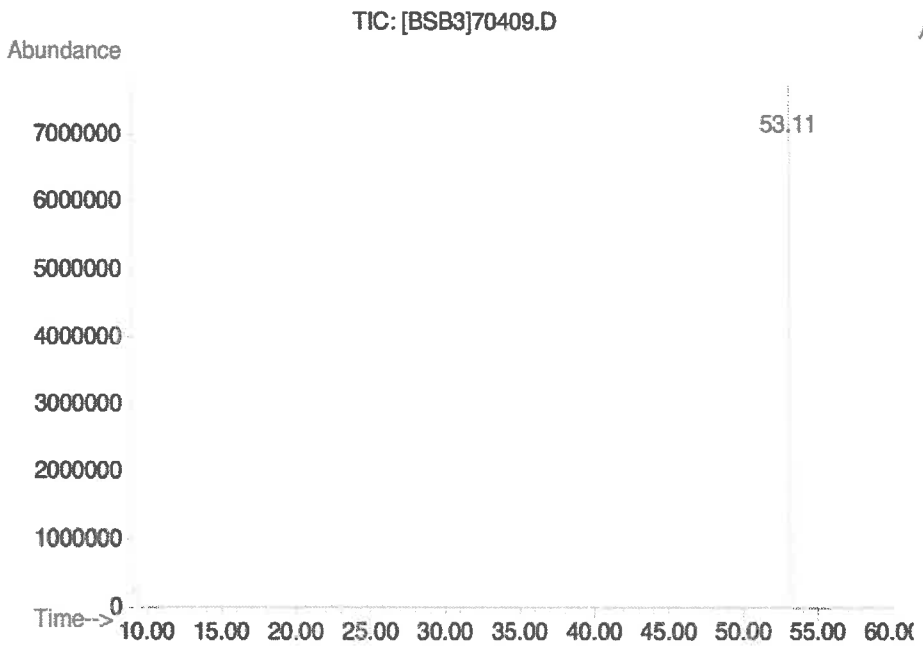
Solvent(s): **Lot#**
Methanol DY186-US

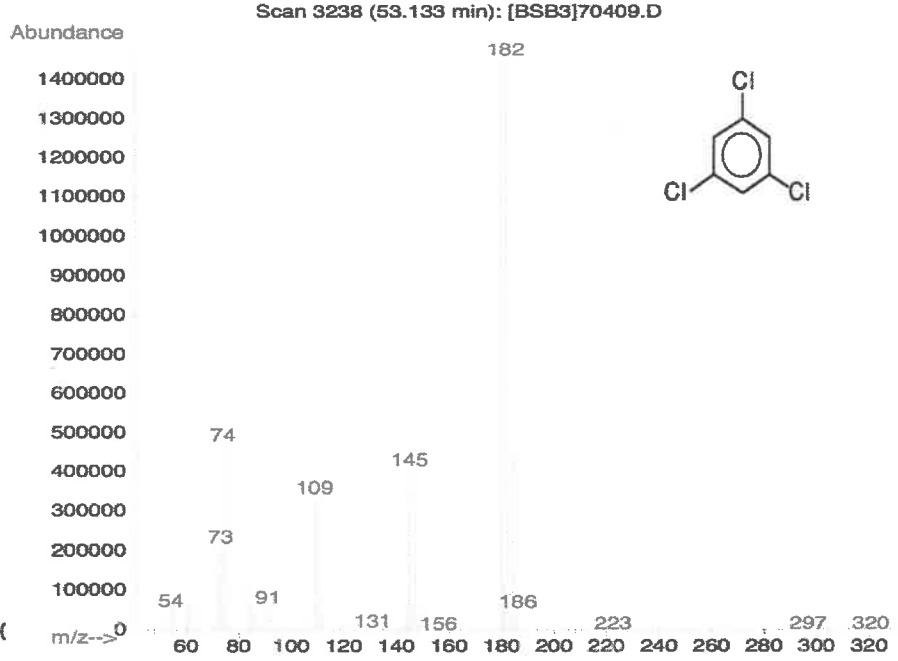
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

		051421
Formulated By:	Benson Chan	DATE
		051421
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1,3,5-Trichlorobenzene	409	STBH8643	2000	99.9	0.2	0.20021	0.20084	2006.3	8.1	108-70-3	N/A	orl-rat 800mg/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1=35°C (10min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=220°C. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90319
Lot Number: 061923
Description: 1,3,5-Trimethylbenzene [Mesitylene]
Expiration Date: 061928
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent: Methanol **Lot#** EF282-US

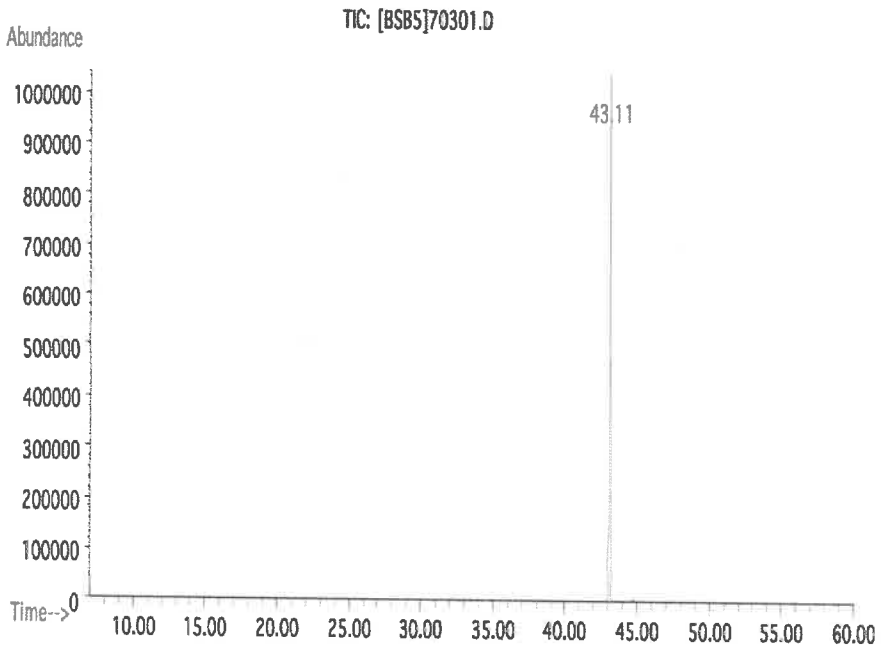
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

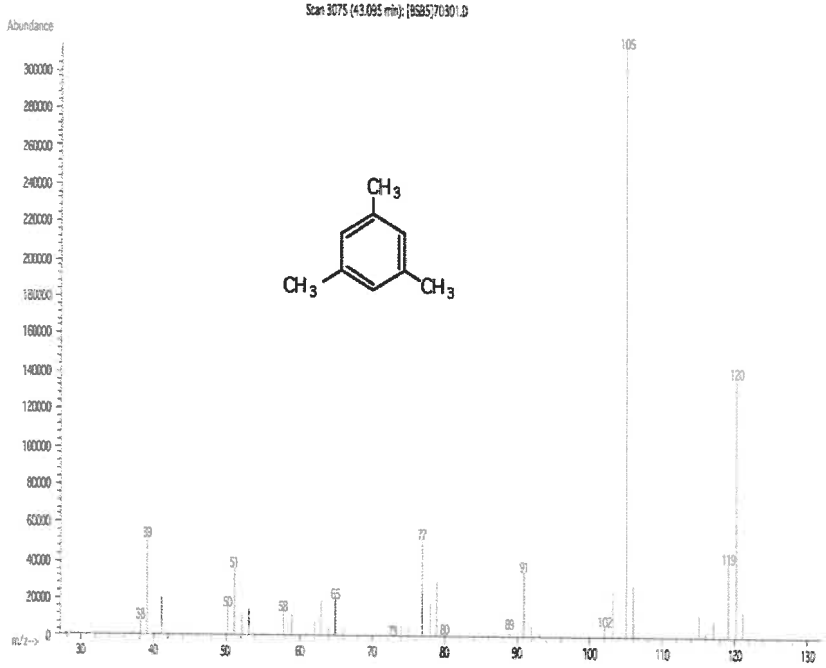
Gabriel Helland 061923
Formulated By: Gabriel Helland DATE

Pedro Rentas 061923
Reviewed By: Pedro L. Rentas DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	1,3,5-Trimethylbenzene	301	TOOOF-IC	2000	97	0.2	0.10315	0.10341	2004.9	8.5	108-67-8	N/A	orl-rat 5000mg/kg

Method GC6MSD-1: Column: Vocol 60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 01/02/25 F.L.

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

10 vials.

Part Number: 31491
Lot Number: 070122
Description: 1,2,4-Trimethylbenzene

Solvent(s): Methanol **Lot#** EC592-US

Expiration Date: 070127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

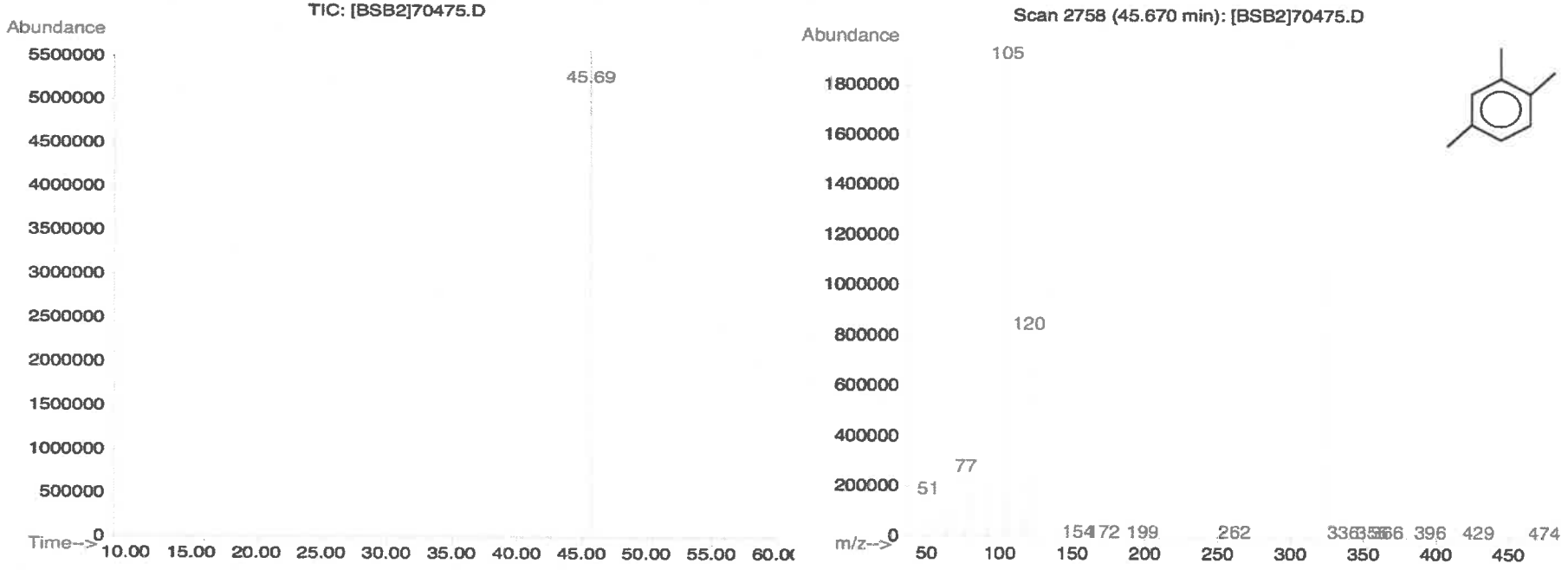
Weight(s) shown below were combined and diluted to (mL): 50.0

Gabriel Helland 070122
Formulated By: Gabriel Helland DATE

Pedro Rentas 070122
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1,2,4-Trimethylbenzene	475	D78OH-KV	2000	98	0.2	0.10211	0.10243	2006.2	8.4	95-63-6	N/A	orl-rat 5g/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. Analysis performed by Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

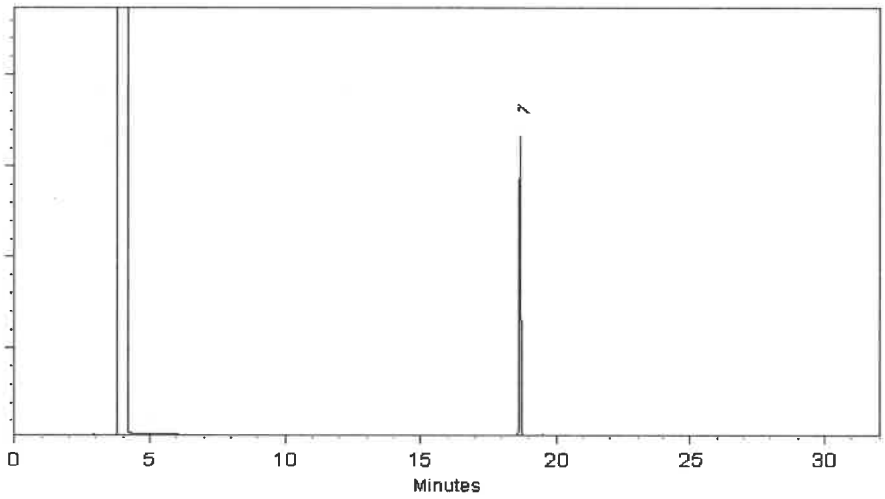
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

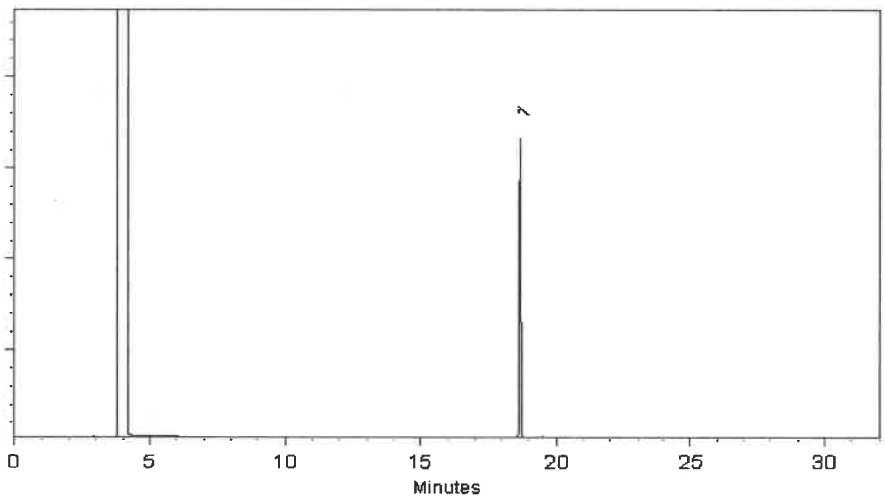
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30091 **Lot No.:** A0209905

Description : L/C VOA Internal Standard Mix

L/C Internal Std 2500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	2,508.0 µg/mL	+/- 142.0596
2	Chlorobenzene-d5	3114-55-4	PR-31132	99%	2,512.0 µg/mL	+/- 142.2862
3	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,512.0 µg/mL	+/- 142.2862

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

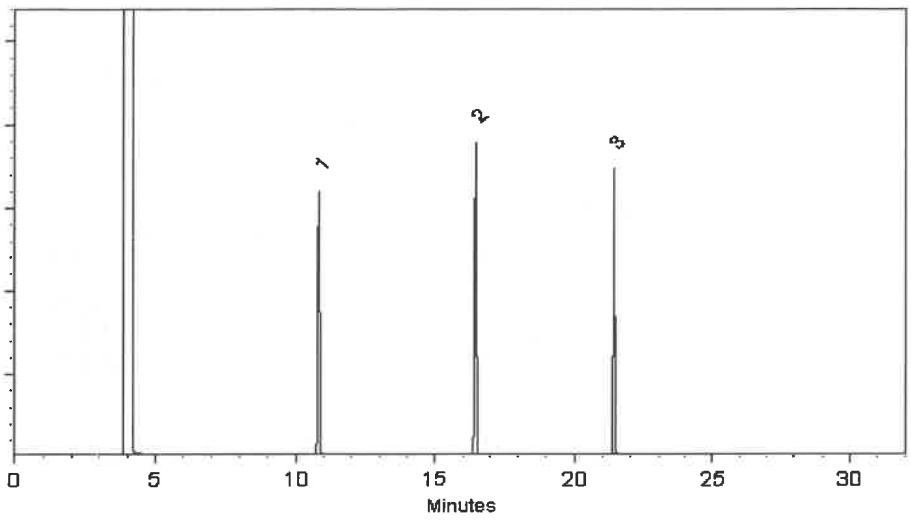
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 05-Apr-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 08-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

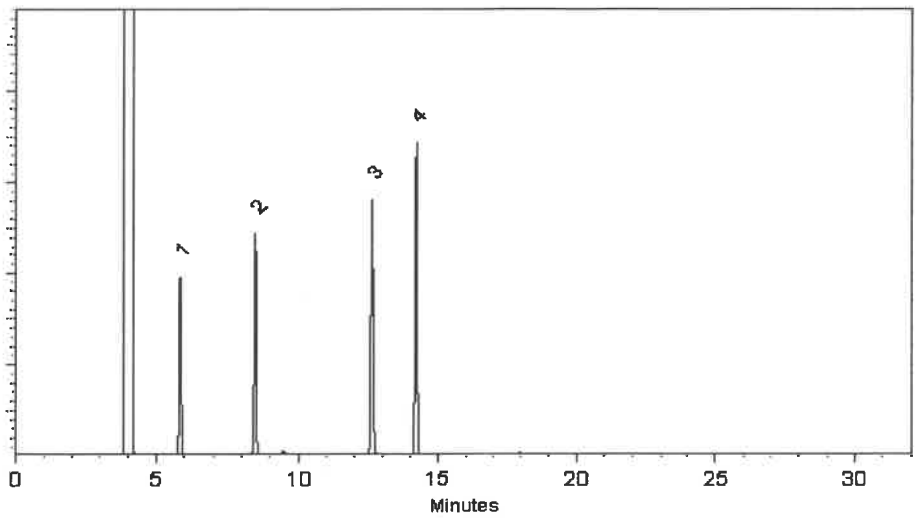
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30624 **Lot No.:** A0211457

Description : SOM 01.1 VOA DMC Non-Ketones Standard

SOM 01.1 VOA DMC Non-Ketones Standard 500µg/mL, Methanol-OD, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl Chloride-d3	6745-35-3	PR-26294	99%	515.3 µg/mL	+/- 42.5161
2	Chloroethane-d5	19199-91-8	PR-19060	99%	498.2 µg/mL	+/- 40.0866
3	1,1-Dichloroethylene-d2	22280-73-5	PR-21050	99%	503.0 µg/mL	+/- 28.2630
4	Chloroform-d	865-49-6	A0219685001	99%	503.0 µg/mL	+/- 28.2630
5	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	503.0 µg/mL	+/- 28.2630
6	Benzene-d6	1076-43-3	PR-33510	99%	501.0 µg/mL	+/- 28.1506
7	1,2-Dichloropropane-d6	93952-08-0	Z-322	99%	503.0 µg/mL	+/- 28.2630
8	1,3-Dichloropropene-d4 (cis/ trans mixture) 58% cis Isomer; 42% trans Isomer	202656-23-3	Z-181	99%	504.0 µg/mL	+/- 28.3192
9	Toluene-d8	2037-26-5	PR-34141	99%	503.0 µg/mL	+/- 28.2630
10	1,1,2,2-Tetrachloroethane-d2	33685-54-0	F465P1	99%	502.0 µg/mL	+/- 28.2068
11	1,2-Dichlorobenzene-d4	2199-69-1	PR-32597	99%	503.0 µg/mL	+/- 28.2630

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol-OD
CAS # 1455-13-6
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

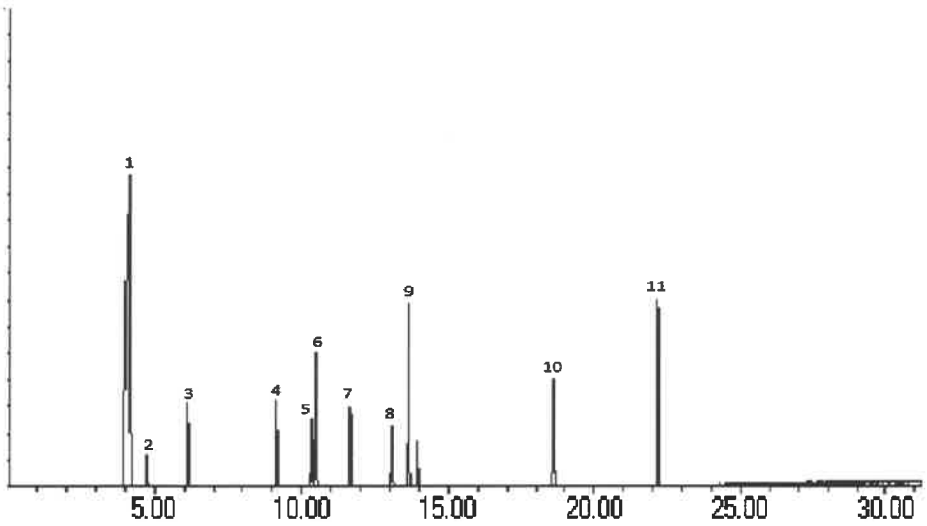
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

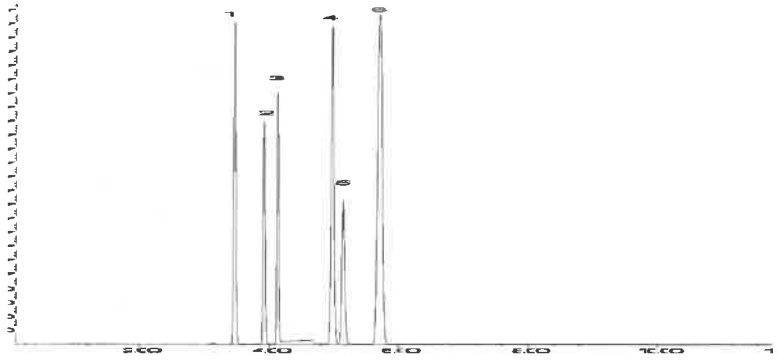
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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V 14871

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30429 **Lot No.:** A0218772

Description : 1,2,3-Trichloropropane Standard

1,2,3-Trichloropropane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	2,001.0 µg/mL	+/- 112.4359

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

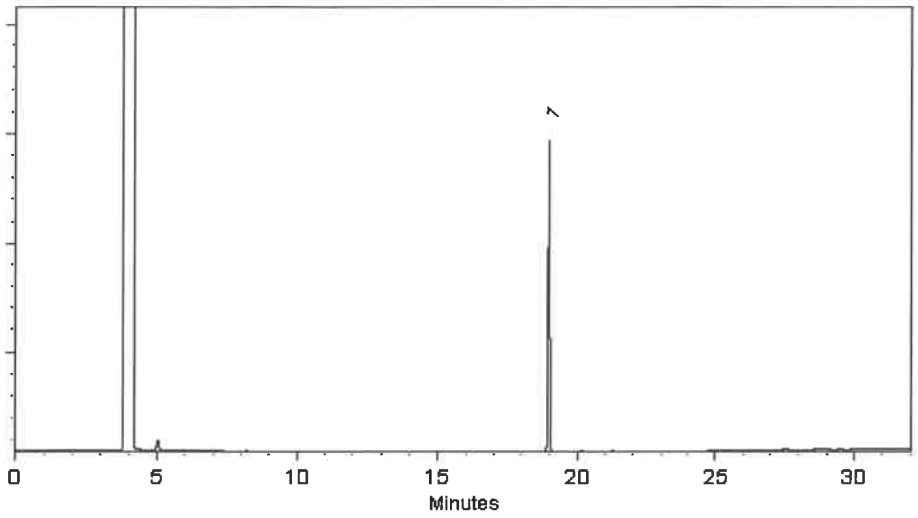
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Operations Technician III

Date Mixed: 05-Nov-2024 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 07-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30625 **Lot No.:** A0219189

Description : OLC 3.2 VOA Deuterated Monitoring Compounds

OLC 3.2 VOA Ketone Deuterated Monitoring Compounds 500µg/mL, Deuterium Oxide, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Butanone-d5	24313-50-6	HJ-279	99%	504.0 µg/mL	+/- 17.5357
2	2-Hexanone-d5	4840-82-8	I-500	99%	504.0 µg/mL	+/- 17.5357

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Deuterium oxide
CAS # 7789-20-0
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

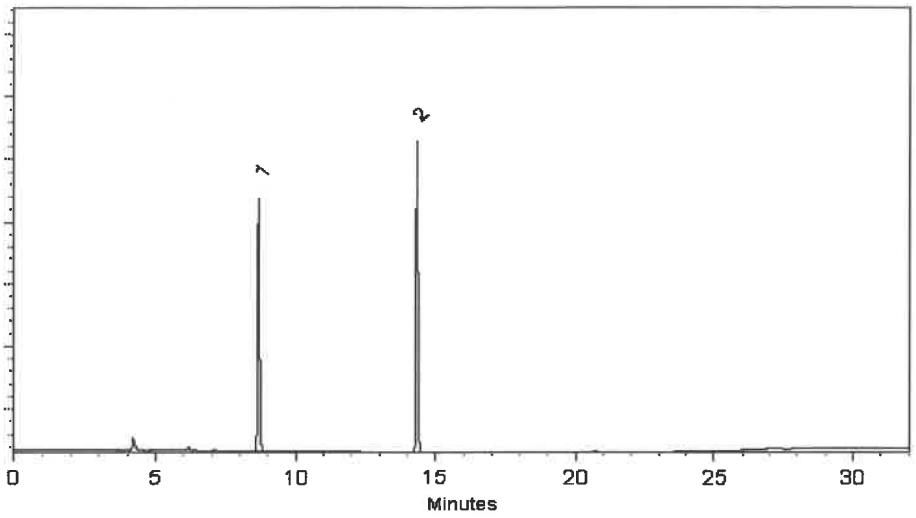
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 15-Nov-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 19-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
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Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
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Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU111725

Review By	Amit Patel	Review On	11/19/2025 10:34:10 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:19:23 AM				
SubDirectory	VU111725	HP Acquire Method	MSVOA_U	HP Processing Method	sfamulm111725wma.m		

STD. NAME	STD REF.#
Tune/Reschk	VP136255
Initial Calibration Stds	VP136260,VP136262,VP136264,VP136266,VP136268
CCC	VP136276,MDL-VP136272,VP136273
Internal Standard/PEM	VP135423
ICV/I.BLK	
Surrogate Standard	VP136259
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB090	VU063719.D	17 Nov 2025 10:37	MD/SY	Ok
2	VSTD00545	VU063720.D	17 Nov 2025 11:16	MD/SY	Ok,M
3	VSTD01046	VU063721.D	17 Nov 2025 11:43	MD/SY	Ok,M
4	VSTD05047	VU063722.D	17 Nov 2025 12:09	MD/SY	Ok
5	VSTD10048	VU063723.D	17 Nov 2025 12:34	MD/SY	Ok
6	VSTD20049	VU063724.D	17 Nov 2025 12:58	MD/SY	Ok
7	VSTDICV050	VU063725.D	17 Nov 2025 13:51	MD/SY	Ok
8	VU1117MBL01	VU063726.D	17 Nov 2025 14:44	MD/SY	Ok
9	VU1117WBL01	VU063727.D	17 Nov 2025 15:08	MD/SY	Ok
10	Q3589-01	VU063728.D	17 Nov 2025 15:32	MD/SY	Ok,M
11	Q3589-05	VU063729.D	17 Nov 2025 15:57	MD/SY	Ok,M
12	VSTDCCC050	VU063730.D	17 Nov 2025 16:21	MD/SY	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU112125

Review By	Amit Patel	Review On	11/24/2025 2:13:36 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/24/2025 2:19:20 PM				
SubDirectory	VU112125	HP Acquire Method	MSVOA_U		HP Processing Method		sfamulm111725wma.m

STD. NAME	STD REF.#
Tune/Reschk	VP136367
Initial Calibration Stds	
CCC	VP136368,VP136369
Internal Standard/PEM	VP135423
ICV/I.BLK	
Surrogate Standard	VP136259
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB092	VU063753.D	21 Nov 2025 07:50	MD/SY	Ok
2	VSTDCCC050	VU063754.D	21 Nov 2025 08:22	MD/SY	Ok
3	VU1121MBL01	VU063755.D	21 Nov 2025 09:11	MD/SY	Ok
4	VU1121WBL01	VU063756.D	21 Nov 2025 09:36	MD/SY	Ok
5	Q3688-04	VU063757.D	21 Nov 2025 10:05	MD/SY	Ok
6	Q3688-05	VU063758.D	21 Nov 2025 10:30	MD/SY	Ok
7	Q3688-06	VU063759.D	21 Nov 2025 10:54	MD/SY	Ok
8	Q3688-11	VU063760.D	21 Nov 2025 11:18	MD/SY	Ok
9	Q3688-14	VU063761.D	21 Nov 2025 11:42	MD/SY	Ok
10	Q3688-15	VU063762.D	21 Nov 2025 12:06	MD/SY	Ok
11	Q3688-01	VU063763.D	21 Nov 2025 12:31	MD/SY	Ok
12	Q3688-09	VU063764.D	21 Nov 2025 12:55	MD/SY	Ok
13	Q3688-10	VU063765.D	21 Nov 2025 13:20	MD/SY	Ok
14	Q3688-12	VU063766.D	21 Nov 2025 13:44	MD/SY	Ok
15	Q3688-13	VU063767.D	21 Nov 2025 14:08	MD/SY	Ok
16	Q3688-02MS	VU063768.D	21 Nov 2025 14:33	MD/SY	Ok
17	Q3688-03MSD	VU063769.D	21 Nov 2025 14:57	MD/SY	Ok
18	VIBLK061	VU063770.D	21 Nov 2025 15:45	MD/SY	Ok
19	Q3688-07	VU063771.D	21 Nov 2025 16:10	MD/SY	Not Ok
20	VSTDCCC050EC	VU063772.D	21 Nov 2025 16:34	MD/SY	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU112425

Review By	Mahesh Dadoda	Review On	12/1/2025 7:46:58 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/1/2025 7:48:39 AM		
SubDirectory	VU112425	HP Acquire Method	MSVOA_U	HP Processing Method	sfamulm111725wma.m

STD. NAME	STD REF.#
Tune/Reschk	VP136379
Initial Calibration Stds	
CCC	VP136380,VP136381
Internal Standard/PEM	VP135423
ICV/I.BLK	
Surrogate Standard	VP136259
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB093	VU063773.D	24 Nov 2025 12:38	MD/SY	Ok
2	VSTDCCC050	VU063774.D	24 Nov 2025 13:10	MD/SY	Ok
3	VU1124MBL01	VU063775.D	24 Nov 2025 13:38	MD/SY	Ok
4	VU1124WBL01	VU063776.D	24 Nov 2025 14:33	MD/SY	Ok
5	Q3688-18	VU063777.D	24 Nov 2025 15:02	MD/SY	Ok
6	Q3688-21	VU063778.D	24 Nov 2025 15:26	MD/SY	Ok
7	Q3688-22	VU063779.D	24 Nov 2025 15:50	MD/SY	Ok
8	Q3688-24	VU063780.D	24 Nov 2025 16:15	MD/SY	Ok
9	Q3688-16	VU063781.D	24 Nov 2025 16:39	MD/SY	Ok
10	Q3688-17	VU063782.D	24 Nov 2025 17:03	MD/SY	Ok
11	Q3688-19	VU063783.D	24 Nov 2025 17:28	MD/SY	Ok
12	Q3688-20	VU063784.D	24 Nov 2025 17:52	MD/SY	Ok
13	Q3688-23	VU063785.D	24 Nov 2025 18:16	MD/SY	Ok
14	VIBLK062	VU063786.D	24 Nov 2025 18:40	MD/SY	Ok
15	Q3688-07	VU063787.D	24 Nov 2025 19:04	MD/SY	Ok
16	VSTDCCC050EC	VU063788.D	24 Nov 2025 19:29	MD/SY	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU111725

Review By	Amit Patel	Review On	11/19/2025 10:34:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:19:23 AM		
SubDirectory	VU111725	HP Acquire Method	MSVOA_U	HP Processing Method	sfamulm111725wma.m

STD. NAME	STD REF.#
Tune/Reschk	VP136255
Initial Calibration Stds	VP136260,VP136262,VP136264,VP136266,VP136268
CCC	VP136276,MDL-VP136272,VP136273
Internal Standard/PEM	VP135423
ICV/I.BLK	
Surrogate Standard	VP136259
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB090	BFB090	VU063719.D	17 Nov 2025 10:37		MD/SY	Ok
2	VSTD00545	VSTD005045	VU063720.D	17 Nov 2025 11:16		MD/SY	Ok,M
3	VSTD01046	VSTD010046	VU063721.D	17 Nov 2025 11:43		MD/SY	Ok,M
4	VSTD05047	VSTD050047	VU063722.D	17 Nov 2025 12:09		MD/SY	Ok
5	VSTD10048	VSTD100048	VU063723.D	17 Nov 2025 12:34		MD/SY	Ok
6	VSTD20049	VSTD200049	VU063724.D	17 Nov 2025 12:58		MD/SY	Ok
7	VSTDICV050	VICV050	VU063725.D	17 Nov 2025 13:51		MD/SY	Ok
8	VU1117MBL01	VBLK125	VU063726.D	17 Nov 2025 14:44		MD/SY	Ok
9	VU1117WBL01	VBLK126	VU063727.D	17 Nov 2025 15:08		MD/SY	Ok
10	Q3589-01	MDL-WATER-QT4-202	VU063728.D	17 Nov 2025 15:32	low-water-QT4	MD/SY	Ok,M
11	Q3589-05	MDL-MED-SOIL-QT4-2	VU063729.D	17 Nov 2025 15:57	med-soil-QT4	MD/SY	Ok,M
12	VSTDCCC050	VSTD050112	VU063730.D	17 Nov 2025 16:21		MD/SY	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU112125

Review By	Amit Patel	Review On	11/24/2025 2:13:36 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/24/2025 2:19:20 PM		
SubDirectory	VU112125	HP Acquire Method	MSVOA_U	HP Processing Method	sfamulm111725wma.m

STD. NAME	STD REF.#
Tune/Reschk	VP136367
Initial Calibration Stds	
CCC	VP136368,VP136369
Internal Standard/PEM	VP135423
ICV/I.BLK	
Surrogate Standard	VP136259
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB092	BFB092	VU063753.D	21 Nov 2025 07:50		MD/SY	Ok
2	VSTDCCC050	VSTD050115	VU063754.D	21 Nov 2025 08:22	pH#lot#v14222	MD/SY	Ok
3	VU1121MBL01	VBLK129	VU063755.D	21 Nov 2025 09:11		MD/SY	Ok
4	VU1121WBL01	VBLK130	VU063756.D	21 Nov 2025 09:36		MD/SY	Ok
5	Q3688-04	RBGW-20251119	VU063757.D	21 Nov 2025 10:05	pH#1.0 A	MD/SY	Ok
6	Q3688-05	TBGW-20251119	VU063758.D	21 Nov 2025 10:30	pH#1.0 A	MD/SY	Ok
7	Q3688-06	M-32I	VU063759.D	21 Nov 2025 10:54	pH#1.0 A	MD/SY	Ok
8	Q3688-11	RBGW-20251120	VU063760.D	21 Nov 2025 11:18	pH#1.0 A	MD/SY	Ok
9	Q3688-14	TBGW-20251120	VU063761.D	21 Nov 2025 11:42	pH#1.0 A	MD/SY	Ok
10	Q3688-15	FDGW-20251120	VU063762.D	21 Nov 2025 12:06	pH#1.0 A	MD/SY	Ok
11	Q3688-01	M-31S	VU063763.D	21 Nov 2025 12:31	pH#1.0 A	MD/SY	Ok
12	Q3688-09	M-31I	VU063764.D	21 Nov 2025 12:55	pH#1.0 A	MD/SY	Ok
13	Q3688-10	M-32S	VU063765.D	21 Nov 2025 13:20	pH#1.0 A	MD/SY	Ok
14	Q3688-12	M-30S	VU063766.D	21 Nov 2025 13:44	pH#1.0 A	MD/SY	Ok
15	Q3688-13	M-30I	VU063767.D	21 Nov 2025 14:08	pH#1.0 A	MD/SY	Ok
16	Q3688-02MS	M-31SMS	VU063768.D	21 Nov 2025 14:33	pH#1.0 A	MD/SY	Ok
17	Q3688-03MSD	M-31SMSD	VU063769.D	21 Nov 2025 14:57	pH#1.0 A	MD/SY	Ok
18	VIBLK061	VIBLK061	VU063770.D	21 Nov 2025 15:45		MD/SY	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU112125

Review By	Amit Patel	Review On	11/24/2025 2:13:36 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/24/2025 2:19:20 PM		
SubDirectory	VU112125	HP Acquire Method	MSVOA_U	HP Processing Method	sfamulm111725wma.m

STD. NAME	STD REF.#
Tune/Reschk	VP136367
Initial Calibration Stds	
CCC	VP136368,VP136369
Internal Standard/PEM	VP135423
ICV/I.BLK	
Surrogate Standard	VP136259
MS/MSD Standard	
LCS Standard	

19	Q3688-07	VHBLK001	VU063771.D	21 Nov 2025 16:10	SB,samples added	MD/SY	Not Ok
20	VSTDCCC050EC	VSTD050116	VU063772.D	21 Nov 2025 16:34		MD/SY	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU112425

Review By	Mahesh Dadoda	Review On	12/1/2025 7:46:58 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/1/2025 7:48:39 AM		
SubDirectory	VU112425	HP Acquire Method	MSVOA_U	HP Processing Method	sfamulm111725wma.m

STD. NAME	STD REF.#
Tune/Reschk	VP136379
Initial Calibration Stds	
CCC	VP136380,VP136381
Internal Standard/PEM	VP135423
ICV/I.BLK	
Surrogate Standard	VP136259
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB093	BFB093	VU063773.D	24 Nov 2025 12:38		MD/SY	Ok
2	VSTDCCC050	VSTD050117	VU063774.D	24 Nov 2025 13:10	pH#lot#v14222	MD/SY	Ok
3	VU1124MBL01	VBLK131	VU063775.D	24 Nov 2025 13:38		MD/SY	Ok
4	VU1124WBL01	VBLK132	VU063776.D	24 Nov 2025 14:33		MD/SY	Ok
5	Q3688-18	RBGW-20251121	VU063777.D	24 Nov 2025 15:02	pH#1.0 A	MD/SY	Ok
6	Q3688-21	TBGW-20251121	VU063778.D	24 Nov 2025 15:26	pH#1.0 A	MD/SY	Ok
7	Q3688-22	RBGW-20251124	VU063779.D	24 Nov 2025 15:50	pH#1.0 A	MD/SY	Ok
8	Q3688-24	TBGW-20251124	VU063780.D	24 Nov 2025 16:15	pH#1.0 A	MD/SY	Ok
9	Q3688-16	WS-14	VU063781.D	24 Nov 2025 16:39	pH#1.0 A	MD/SY	Ok
10	Q3688-17	M-29	VU063782.D	24 Nov 2025 17:03	pH#1.0 A	MD/SY	Ok
11	Q3688-19	M-28I	VU063783.D	24 Nov 2025 17:28	pH#1.0 A	MD/SY	Ok
12	Q3688-20	WS-1	VU063784.D	24 Nov 2025 17:52	pH#1.0 A	MD/SY	Ok
13	Q3688-23	M-285	VU063785.D	24 Nov 2025 18:16	pH#1.0 A	MD/SY	Ok
14	VIBLK062	VIBLK062	VU063786.D	24 Nov 2025 18:40		MD/SY	Ok
15	Q3688-07	VHBLK001	VU063787.D	24 Nov 2025 19:04	pH#1.0 B ,SB	MD/SY	Ok
16	VSTDCCC050EC	VSTD050118	VU063788.D	24 Nov 2025 19:29		MD/SY	Ok

M : Manual Integration

FORM 2A-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code : ACE Case No.: Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method : SVOA Level : _____

Matrix : Water

EPA Sample No .	DMC1 (DXE)	DMC2 (PHL)	DMC3 (BCE)	DMC4 (2CP)	DMC5 (4MP)	DMC6 (4CA)	DMC7 (NBZ)	DMC8 (2NP)	DMC9 (DCP)
FDGW-20251120	85	25	57	63	54	60	68	76	76
M-28I	100	20	66	67	42	72	90	93	81
M-28S	52	28	74	75	56	81	90	89	81
M-29	95	19	64	64	43	60	83	83	75
M-30I	102	20	61	66	47	69	77	81	83
M-30S	104	27	53	59	57	65	70	73	77
M-31I	57	20	57	58	40	67	72	77	68
M-31S	32	17	54	49	11 *	26	54	58	49
M-31SMS	46	25	53	59	47	63	66	66	73
M-31SMSD	45	23	48	51	41	58	60	65	65
M-32I	46	20	60	57	23 *	42	69	72	67
M-32S	58	20	72	67	48	59	82	83	75
RBGW-20251119	47	16	49	50	32	53	65	67	61
RBGW-20251120	46	20	65	64	43	29	76	83	71
RBGW-20251121	107	20	73	75	45	80	102	105	95
RBGW-20251124	49	15	73	68	39	79	99	96	87
SBLK717	59	67	66	72	64	65	70	70	63
SBLK719	51	61	55	69	62	62	68	69	66
SBLK721	114	69	60	79	69	71	76	79	78
SBLK723	107	70	63	83	70	76	84	89	82
SBLK741	54	67	59	77	64	67	77	78	75
SLCS717	75	84	81	91	84	58	83	87	90
SLCS719	50	70	61	77	69	53	77	79	82
SLCS721	104	78	66	88	78	58	86	91	92
SLCS723	128 *	85	71	93	83	63	95	98	104
SLCS741	55	76	65	87	78	60	86	92	97
WS-1	95	20	64	68	46	60	86	89	86
WS-14	95	19	72	70	46	66	89	96	86

	QC LIMITS
DMC1 (DXE) = 1,4-Dioxane-d8	40 - 110
DMC2 (PHL) = Phenol-d5	10 - 130
DMC3 (BCE) = Bis(2-Chloroethyl)ether-d8	25 - 120
DMC4 (2CP) = 2-Chlorophenol-d4	20 - 130
DMC5 (4MP) = 4-Methylphenol-d8	25 - 125
DMC6 (4CA) = 4-Chloroaniline-d4	1 - 146
DMC7 (NBZ) = Nitrobenzene-d5	20 - 125
DMC8 (2NP) = 2-Nitrophenol-d4	20 - 130
DMC9 (DCP) = 2,4-Dichlorophenol-d3	20 - 120

FORM 2B-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method : SVOA Level :

Matrix : Water

EPA Sample No .	DMC10 (DMP)	DMC11 ACY	DMC12 (4NP)	DMC13 (FLR)	DMC14 (NMP)	DMC15 (ANC)	DMC16 (PYR)	DMC17 (BAP)	Tot Out
FDGW-20251120	88	77	15	87	85	92	93	86	0
M-28I	92	88	19	95	76	98	96	98	0
M-28S	98	96	15	100	79	105	107	108	0
M-29	85	80	18	87	78	88	91	92	0
M-30I	91	81	21	93	89	103	106	106	0
M-30S	98	80	21	91	84	96	98	91	0
M-31I	83	72	20	85	77	97	101	98	0
M-31S	70	56	20	66	61	74	82	70	1
M-31SMS	87	67	35	80	99	91	91	91	0
M-31SMSD	80	62	34	74	93	83	83	84	0
M-32I	89	67	23	84	81	92	99	95	1
M-32S	97	83	19	93	77	99	104	100	0
RBGW-20251119	75	65	16	74	62	85	84	90	0
RBGW-20251120	93	79	18	88	76	95	101	99	0
RBGW-20251121	105	99	21	109	92	110	112	112	0
RBGW-20251124	100	100	16	107	86	111	113	116	0
SBLK717	74	73	52	73	50	74	76	75	0
SBLK719	68	67	52	70	48	68	68	70	0
SBLK721	77	75	60	77	57	78	79	81	0
SBLK723	81	81	59	83	58	84	83	86	0
SBLK741	74	73	63	77	51	74	76	79	0
SLCS717	85	82	87	82	82	82	82	85	0
SLCS719	71	71	75	73	77	72	71	74	0
SLCS721	81	81	75	83	86	80	82	84	0
SLCS723	96	94	90	97	101	91	96	97	1
SLCS741	84	83	78	86	89	81	85	85	0
WS-1	92	87	17	91	82	90	93	89	0

	QC LIMITS
DMC10 (DMP) = Dimethylphthalate-d6	25 - 130
DMC11 (ACY) = Acenaphthylene-d8	10 - 130
DMC12 (4NP) = 4-Nitrophenol-d4	10 - 150
DMC13 (FLR) = Fluorene-d10	25 - 125
DMC14 (NMP) = 4,6-Dinitro-2-methylphenol-d2	10 - 130
DMC15 (ANC) = Anthracene-d10	25 - 130
DMC16 (PYR) = Pyrene-d10	15 - 130
DMC17 (BAP) = Benzo(a)pyrene-d12	20 - 130

FORM 2B-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No.: Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method : SVOA Level : _____

Matrix : Water

EPA Sample No .	DMC10 (DMP)	DMC11 ACY	DMC12 (4NP)	DMC13 (FLR)	DMC14 (NMP)	DMC15 (ANC)	DMC16 (PYR)	DMC17 (BAP)	Tot Out
WS-14	97	92	17	97	85	101	101	99	0

	QC LIMITS
DMC10 (DMP) = Dimethylphthalate-d6	25 - 130
DMC11 (ACY) = Acenaphthylene-d8	10 - 130
DMC12 (4NP) = 4-Nitrophenol-d4	10 - 150
DMC13 (FLR) = Fluorene-d10	25 - 125
DMC14 (NMP) = 4,6-Dinitro-2-methylphenol-d2	10 - 130
DMC15 (ANC) = Anthracene-d10	25 - 130
DMC16 (PYR) = Pyrene-d10	15 - 130
DMC17 (BAP) = Benzo(a)pyrene-d12	20 - 130

FORM 3A-OR
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No .: SDG No. : Q3688

Analytical Method : SVOA Level : LOW

Matrix Water

EPA Sample No.(Matrix Spike/Matrix Spike Duplicate): M-31S

Instrument ID : BNA_G GC Column ZB-GR ID : 0.25 (mm)

Concentration Units (ug/L,mg/L ug/kg): ug/L

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC Limits %R
N-Nitrosodiphenylamine	40.4	0	34	84	0 - 0
Bis(2-ethylhexyl)phthalate	40.4	0	33	82	0 - 0

ANALYTE	SPIKE AADDED	MSD CONCENTRATION	MSD %R #	RPD	QC Limits	
					RPD	%R
N-Nitrosodiphenylamine	40.8	32	78	7	0	0 - 0
Bis(2-ethylhexyl)phthalate	40.8	31	76	8	0	0 - 0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
SLCS717

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No. : Sharkey La MA No.: SDG No.: Q3688
Analytical Method: SVOA
Matrix : Water Lab Sample ID : PB170717BS
LCS Lot No. : Date Extracted :
Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_G GC Column ( ): 0.25 ID : ZB-GR (mm)
Date Analyzed ( ): 11/25/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
N-Nitrosodiphenylamine	40	32	80	0-0
Bis(2-ethylhexyl)phtha	40	33	83	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS719

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method: SVOA

Matrix : Water Lab Sample ID : PB170719BS

LCS Lot No. : _____ Date Extracted : _____

Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_G GC Column ( ): 0.25 ID : ZB-GR (mm)

Date Analyzed ( ): 11/25/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
N-Nitrosodiphenylamine	40	27	68	0-0
Bis(2-ethylhexyl)phtha	40	27	68	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS721

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method: SVOA

Matrix : Water Lab Sample ID : PB170721BS

LCS Lot No. : _____ Date Extracted : _____

Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_G GC Column ( ): 0.25 ID : ZB-GR (mm)

Date Analyzed ( ): 11/26/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
N-Nitrosodiphenylamine	40	31	78	0-0
Bis(2-ethylhexyl)phtha	40	28	70	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS723

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method: SVOA

Matrix : Water Lab Sample ID : PB170723BS

LCS Lot No. : _____ Date Extracted : _____

Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_G GC Column ( ): 0.25 ID : ZB-GR (mm)

Date Analyzed ( ): 11/26/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
N-Nitrosodiphenylamine	40	36	90	0-0
Bis(2-ethylhexyl)phtha	40	34	85	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
SLCS741

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No. : Sharkey La MA No.: _____ SDG No.: Q3688
Analytical Method: SVOA
Matrix : Water Lab Sample ID : PB170741BS
LCS Lot No. : _____ Date Extracted : _____
Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_G GC Column ( ): 0.25 ID : ZB-GR (mm)
Date Analyzed ( ): 11/26/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
N-Nitrosodiphenylamine	40	31	78	0-0
Bis(2-ethylhexyl)phtha	40	29	73	0-0

EPA SAMPLE NO.

SBLK717

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE
Case No.: Sharkey Lanc
MA No. : _____ sdg no.: Q3688
Analytical Method: SVOA
Level : _____
Matrix : Water
Lab Sample ID: PB170717BL
Instrument ID: BNA_G
Lab File ID : BG064857.D
Extraction Type : CONH
Date Extracted : 11/21/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 11/25/2025
GC Column ( ) : _____ ID : _____ (mm)
Time Analyzed : 12:28
Heated Purge: (Y/N) _____ Cleanup(Y/N): N
Cleanup Types : _____

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
SLCS717	PB170717BS	BG064858.D	11/25/2025 13:09
M-31S	Q3688-01	BG064859.D	11/25/2025 13:52
M-31SMS	Q3688-02MS	BG064860.D	11/25/2025 14:33
M-31SMSD	Q3688-03MSD	BG064861.D	11/25/2025 15:14

EPA SAMPLE NO.

SBLK719

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : _____ sdg no.: Q3688
Analytical Method: SVOA
Level : _____
Matrix : Water
Lab Sample ID: PB170719BL
Instrument ID: BNA_G
Lab File ID : BG064868.D
Extraction Type : CONH
Date Extracted : 11/21/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 11/25/2025
GC Column ( ) : _____ ID : _____ (mm)
Time Analyzed : 20:00
Heated Purge: (Y/N) _____ Cleanup(Y/N): N
Cleanup Types : _____

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
RBGW-20251119	Q3688-04	BG064862.D	11/25/2025 15:55
M-32I	Q3688-06	BG064863.D	11/25/2025 16:36
M-31I	Q3688-09	BG064864.D	11/25/2025 17:17
M-32S	Q3688-10	BG064865.D	11/25/2025 17:58
RBGW-20251120	Q3688-11	BG064866.D	11/25/2025 18:38
SLCS719	PB170719BS	BG064867.D	11/25/2025 19:19

EPA SAMPLE NO.

SBLK721

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : _____ sdg no.: Q3688
Analytical Method: SVOA
Level : _____
Matrix : Water
Lab Sample ID: PB170721BL
Instrument ID: BNA_G
Lab File ID : BG064883.D
Extraction Type : CONH
Date Extracted : 11/24/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 11/26/2025
GC Column ( ) : _____ ID : _____ (mm)
Time Analyzed : 10:54
Heated Purge: (Y/N) _____ Cleanup(Y/N): N
Cleanup Types : _____

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
M-30S	Q3688-12	BG064885.D	11/26/2025 12:16
M-30I	Q3688-13	BG064886.D	11/26/2025 12:57
FDGW-20251120	Q3688-15	BG064887.D	11/26/2025 13:38
WS-14	Q3688-16	BG064888.D	11/26/2025 14:19
SLCS721	PB170721BS	BG064892.D	11/26/2025 17:04

EPA SAMPLE NO.

SBLK723

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : _____ sdg no.: Q3688
Analytical Method: SVOA
Level : _____
Matrix : Water
Lab Sample ID: PB170723BL
Instrument ID: BNA_G
Lab File ID : BG064884.D
Extraction Type : CONH
Date Extracted : 11/24/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 11/26/2025
GC Column ( ) : _____ ID : _____ (mm)
Time Analyzed : 11:35
Heated Purge: (Y/N) _____ Cleanup(Y/N): N
Cleanup Types : _____

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
M-29	Q3688-17	BG064889.D	11/26/2025 15:00
SLCS723	PB170723BS	BG064893.D	11/26/2025 17:45
RBGW-20251121	Q3688-18	BG064895.D	11/26/2025 19:06
M-28I	Q3688-19	BG064896.D	11/26/2025 19:47
WS-1	Q3688-20	BG064897.D	11/26/2025 20:28

EPA SAMPLE NO.

SBLK741

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : _____ sdg no.: Q3688
Analytical Method: SVOA
Level : _____
Matrix : Water
Lab Sample ID: PB170741BL
Instrument ID: BNA_G
Lab File ID : BG064891.D
Extraction Type : CONH
Date Extracted : 11/25/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 11/26/2025
GC Column ( ) : _____ ID : _____ (mm)
Time Analyzed : 16:23
Heated Purge: (Y/N) _____ Cleanup(Y/N): N
Cleanup Types : _____

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
SLCS741	PB170741BS	BG064894.D	11/26/2025 18:25
RBGW-20251124	Q3688-22	BG064898.D	11/26/2025 21:09
M-28S	Q3688-23	BG064899.D	11/26/2025 21:50

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
DFTPP460

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lai
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Lab File ID : BG064847.D
Instrument ID: BNA_G
BFB / DFTPP : DFTPP
GC Column : ZB-GR ID : 0.25 (mm)
Injection Date : 11/24/2025
Injection Time : 13:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.8
68	Less than 2.0% of mass 69	0.3(1.2) 1
69	Present	27.6
70	Less than 2.0% of mass 69	0.1(0.2) 1
127	10.0 - 80.0% of mass 198	35.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 60.0% of mass 198	36.3
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	12.8
442	Greater than 50.0% of mass 198	83.4
443	15.0 - 24.0% of mass 442	16.5(19.8) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD005419	SSTD00519	BG064848.D	11/24/2025	14:04
SSTD010420	SSTD01020	BG064849.D	11/24/2025	14:45
SSTD020421	SSTD02021	BG064850.D	11/24/2025	15:26
SSTD040422	SSTD04022	BG064851.D	11/24/2025	16:06
SSTD080423	SSTD08023	BG064852.D	11/24/2025	16:46
SSTD160424	SSTD16024	BG064853.D	11/24/2025	17:27
SICV425	SSTDICV020	BG064854.D	11/24/2025	18:08

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
DFTPP461

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE
Case No.: Sharkey Lar
MA No. :
SDG No.: Q3688
Analytical Method : SVOA
Lab File ID : BG064855.D
Instrument ID: BNA_G
BFB / DFTPP : DFTPP
GC Column : ZB-GR
ID : 0.25 (mm)
Injection Date : 11/25/2025
Injection Time : 10:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.0(0.0) 1
69	Present	27.1
70	Less than 2.0% of mass 69	0.1(0.3) 1
127	10.0 - 80.0% of mass 198	36.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 60.0% of mass 198	34.1
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	13.8
442	Greater than 50.0% of mass 198	84.1
443	15.0 - 24.0% of mass 442	16(19) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020454	SSTDCCC020	BG064856.D	11/25/2025	11:10
SBLK717	PB170717BL	BG064857.D	11/25/2025	12:28
SLCS717	PB170717BS	BG064858.D	11/25/2025	13:09
M-31S	Q3688-01	BG064859.D	11/25/2025	13:52
M-31SMS	Q3688-02MS	BG064860.D	11/25/2025	14:33
M-31SMSD	Q3688-03MSD	BG064861.D	11/25/2025	15:14
RBGW-20251119	Q3688-04	BG064862.D	11/25/2025	15:55
M-32I	Q3688-06	BG064863.D	11/25/2025	16:36
M-31I	Q3688-09	BG064864.D	11/25/2025	17:17
M-32S	Q3688-10	BG064865.D	11/25/2025	17:58
RBGW-20251120	Q3688-11	BG064866.D	11/25/2025	18:38
SLCS719	PB170719BS	BG064867.D	11/25/2025	19:19
SBLK719	PB170719BL	BG064868.D	11/25/2025	20:00
SSTD020455	SSTDCCC020	BG064869.D	11/25/2025	21:22
SSTD020456	SSTDCCC020	BG064882.D	11/26/2025	06:54
SBLK721	PB170721BL	BG064883.D	11/26/2025	10:54
SBLK723	PB170723BL	BG064884.D	11/26/2025	11:35
M-30S	Q3688-12	BG064885.D	11/26/2025	12:16
M-30I	Q3688-13	BG064886.D	11/26/2025	12:57
FDGW-20251120	Q3688-15	BG064887.D	11/26/2025	13:38
WS-14	Q3688-16	BG064888.D	11/26/2025	14:19
M-29	Q3688-17	BG064889.D	11/26/2025	15:00
SSTD020457	SSTDCCC020	BG064890.D	11/26/2025	15:42
SBLK741	PB170741BL	BG064891.D	11/26/2025	16:23

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
DFTPP461

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Lab File ID : BG064855.D
Instrument ID: BNA_G
BFB / DFTPP : DFTPP
GC Column : ZB-GR ID : 0.25 (mm)
Injection Date : 11/25/2025
Injection Time : 10:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.0(0.0) 1
69	Present	27.1
70	Less than 2.0% of mass 69	0.1(0.3) 1
127	10.0 - 80.0% of mass 198	36.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 60.0% of mass 198	34.1
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	13.8
442	Greater than 50.0% of mass 198	84.1
443	15.0 - 24.0% of mass 442	16(19) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SLCS721	PB170721BS	BG064892.D	11/26/2025	17:04
SLCS723	PB170723BS	BG064893.D	11/26/2025	17:45
SLCS741	PB170741BS	BG064894.D	11/26/2025	18:25
RBGW-20251121	Q3688-18	BG064895.D	11/26/2025	19:06
M-28I	Q3688-19	BG064896.D	11/26/2025	19:47
WS-1	Q3688-20	BG064897.D	11/26/2025	20:28
RBGW-20251124	Q3688-22	BG064898.D	11/26/2025	21:09
M-28S	Q3688-23	BG064899.D	11/26/2025	21:50
SSTD020458	SSTDCCC020EC	BG064900.D	11/26/2025	22:31

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey MA No.: SDG No.: Q3688
Analytical Method: SVOA Level : LOW
EPA Sample No. : SSTD020454 Lab File ID (Standard) : BG064856.D
Instrument ID : BNA_G Init.Calib.Date(s): 11/24/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 11/25/2025
Heated Purge: Time Analyzed : 11:10

	IS1 (DCB) AREA	RT	IS2 (NPT) AREA	RT	IS3 (ANT) AREA	RT
12 HOUR STD	33635	8.155	139965	10.97	118841	14.77
UPPER LIMIT	67270	8.65	279930	11.46	237682	15.26
LOWER LIMIT	16817.5	7.65	69982.5	10.46	59420.5	14.26
EPA SAMPLE NO.						
M-31SMS	23571	8.15	95070	10.97	83007	14.77
M-31SMSD	27494	8.16	108035	10.98	94243	14.77
RBGW-20251119	25307	8.16	93584	10.97	84618	14.77
M-32I	18190	8.16	71017	10.97	66815	14.77
M-31I	19889	8.16	76023	10.97	72250	14.77
SBLK719	24120	8.15	94265	10.98	88100	14.77
SLCS719	27899	8.16	107933	10.98	101535	14.77
M-32S	20582	8.16	84782	10.98	76060	14.77
RBGW-20251120	24146	8.16	91717	10.97	83739	14.77
SBLK717	36472	8.15	138291	10.97	121336	14.77
SLCS717	32091	8.16	132576	10.97	113356	14.77
M-31S	38241	8.16	152919	10.97	130651	14.77

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688
Analytical Method: SVOA Level : LOW
EPA Sample No. : SSTD020454 Lab File ID (Standard) : BG064856.D
Instrument ID : BNA_G Init.Calib.Date(s): 11/24/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 11/25/2025
Heated Purge: Time Analyzed : 11:10

	IS4 (PHN) AREA	RT	IS5 (CRY) AREA	RT	IS6 (PRY) AREA	RT
12 HOUR STD	296436	17.50	372851	21.74	407786	24.994
UPPER LIMIT	592872	18.00	745702	22.24	815572	25.494
LOWER LIMIT	148218	17.00	186426	21.24	203893	24.494
EPA SAMPLE NO.						
M-31SMS	211567	17.50	262166	21.75	292313	25.00
M-31SMSD	243275	17.50	312755	21.75	345076	25.00
RBGW-20251119	220257	17.49	301213	21.74	323864	24.99
M-32I	178026	17.50	239888	21.74	267060	24.99
M-31I	188875	17.50	246609	21.74	275577	24.99
SBLK719	239459	17.50	324540	21.74	356720	25.00
SLCS719	269446	17.50	371388	21.75	398646	25.00
M-32S	198464	17.50	248527	21.75	274864	24.99
RBGW-20251120	222513	17.49	276177	21.74	303405	25.00
SBLK717	313183	17.49	411186	21.74	445430	25.00
SLCS717	291078	17.50	373019	21.74	410007	25.00
M-31S	331102	17.50	423872	21.74	460320	25.00

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey MA No.: SDG No.: Q3688
Analytical Method: SVOA Level : LOW
EPA Sample No. : SSTD020456 Lab File ID (Standard) : BG064882.D
Instrument ID : BNA_G Init.Calib.Date(s): 11/24/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 11/26/2025
Heated Purge: Time Analyzed : 06:54

	IS1 (DCB) AREA	RT	IS2 (NPT) AREA	RT	IS3 (ANT) AREA	RT
12 HOUR STD	23342	8.155	89916	10.98	80198	14.77
UPPER LIMIT	46684	8.65	179832	11.47	160396	15.27
LOWER LIMIT	11671	7.65	44958	10.47	40099	14.27
EPA SAMPLE NO.						
SBLK723	24283	8.16	86769	10.97	81265	14.77
M-30S	25416	8.15	97364	10.97	85215	14.77
M-30I	22311	8.16	90833	10.97	85399	14.77
FDGW-20251120	26127	8.15	102976	10.97	92252	14.77
WS-14	23964	8.15	94236	10.98	83492	14.77
M-29	25790	8.15	98988	10.98	90021	14.77
SBLK721	23668	8.15	91326	10.97	86159	14.77

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688
Analytical Method: SVOA Level : LOW
EPA Sample No. : SSTD020456 Lab File ID (Standard) : BG064882.D
Instrument ID : BNA_G Init.Calib.Date(s): 11/24/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 11/26/2025
Heated Purge: Time Analyzed : 06:54

	IS4 (PHN) AREA	RT	IS5 (CRY) AREA	RT	IS6 (PRY) AREA	RT
12 HOUR STD	210331	17.50	269430	21.75	305050	25
UPPER LIMIT	420662	18.00	538860	22.25	610100	25.5
LOWER LIMIT	105166	17.00	134715	21.25	152525	24.5
EPA SAMPLE NO.						
SBLK723	214286	17.50	287929	21.74	319508	25.00
M-30S	222838	17.50	283553	21.74	315734	25.00
M-30I	220636	17.50	286082	21.75	320835	25.00
FDGW-20251120	235079	17.50	302163	21.74	346149	25.00
WS-14	212702	17.50	273759	21.75	303295	25.00
M-29	233894	17.50	301851	21.75	335347	25.00
SBLK721	223060	17.50	299116	21.75	327094	25.00

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey MA No.: SDG No.: Q3688
Analytical Method: SVOA Level : LOW
EPA Sample No. : SSTD020457 Lab File ID (Standard) : BG064890.D
Instrument ID : BNA_G Init.Calib.Date(s): 11/24/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 11/26/2025
Heated Purge: Time Analyzed : 15:42

	IS1 (DCB) AREA	RT	IS2 (NPT) AREA	RT	IS3 (ANT) AREA	RT
12 HOUR STD	20076	8.159	82474	10.97	74176	14.77
UPPER LIMIT	40152	8.65	164948	11.47	148352	15.26
LOWER LIMIT	10038	7.65	41237	10.47	37088	14.26
EPA SAMPLE NO.						
SLCS723	22851	8.16	89361	10.97	76209	14.77
SBLK741	20793	8.15	76309	10.98	70439	14.77
SLCS741	20586	8.16	81652	10.97	72467	14.77
RBGW-20251121	20410	8.16	76366	10.98	70363	14.76
SLCS721	24012	8.16	96077	10.97	86093	14.77
WS-1	26320	8.16	102134	10.97	93381	14.76
RBGW-20251124	19000	8.15	76138	10.97	72415	14.77
M-28S	19283	8.16	75334	10.97	67079	14.77
M-28I	20387	8.16	76932	10.97	71621	14.77

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688
Analytical Method: SVOA Level : LOW
EPA Sample No. : SSTD020457 Lab File ID (Standard) : BG064890.D
Instrument ID : BNA_G Init.Calib.Date(s): 11/24/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 11/26/2025
Heated Purge: Time Analyzed : 15:42

	IS4 (PHN) AREA	RT	IS5 (CRY) AREA	RT	IS6 (PRY) AREA	RT
12 HOUR STD	193784	17.50	239379	21.75	265708	24.998
UPPER LIMIT	387568	18.00	478758	22.25	531416	25.498
LOWER LIMIT	96892	17.00	119690	21.25	132854	24.498
EPA SAMPLE NO.						
SLCS723	200372	17.50	250909	21.75	282094	25.00
SBLK741	193595	17.50	266568	21.75	297654	25.00
SLCS741	191778	17.50	238844	21.75	273454	25.00
RBGW-20251121	186288	17.50	251460	21.74	279354	25.00
SLCS721	222696	17.50	284112	21.75	320933	25.00
WS-1	239252	17.50	302162	21.74	340942	25.00
RBGW-20251124	191028	17.50	251871	21.74	280965	25.00
M-28S	175714	17.49	224243	21.74	248450	25.00
M-28I	191952	17.50	264380	21.74	297217	25.00

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
FDGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-15
Sample wt/vol : 980 (g/mL) mL
Lab File ID : BG064887.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FDGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-15
Sample wt/vol : 980 (g/mL) mL
Lab File ID : BG064887.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.849	4.0	JN
2	E966796	Total Alkanes	N/A	2.3	

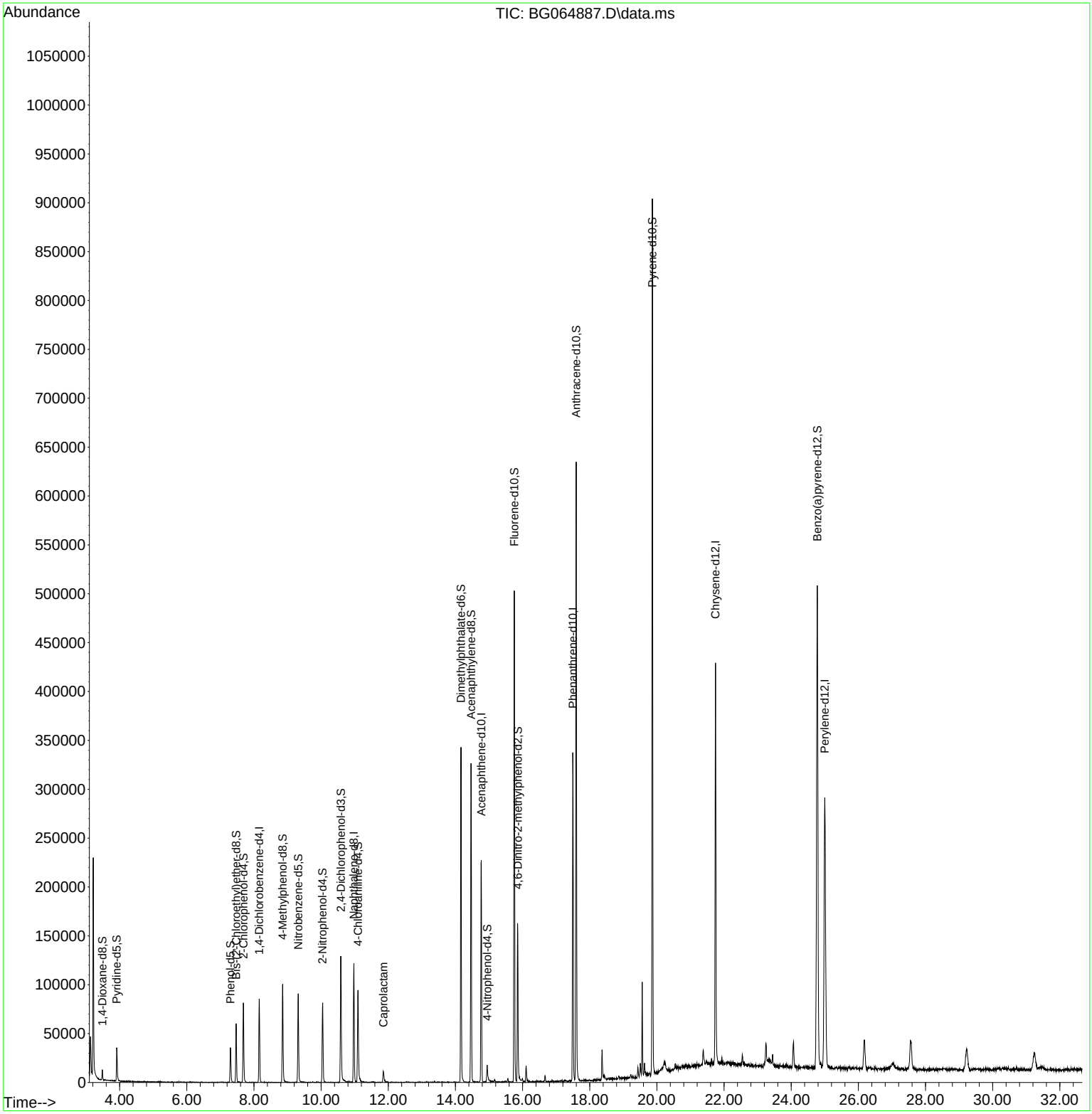
EPA-designated Registry Number.

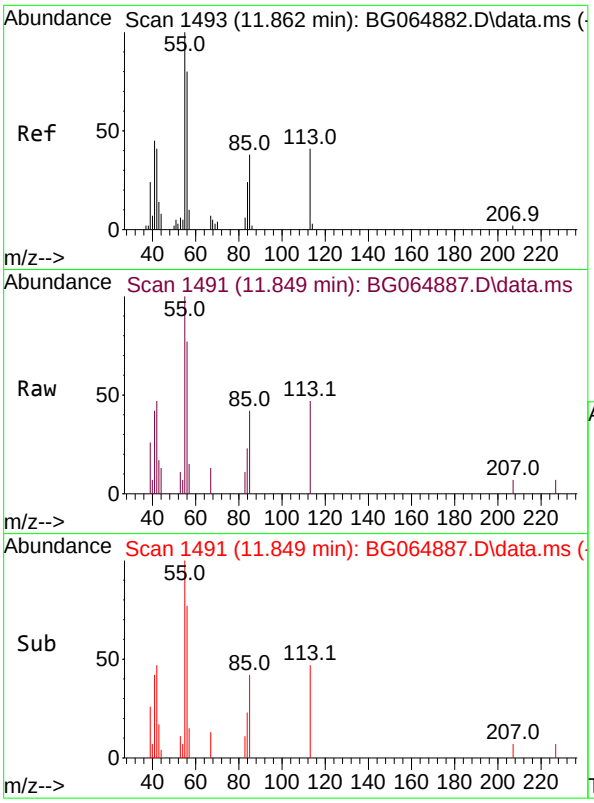
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 01 10:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

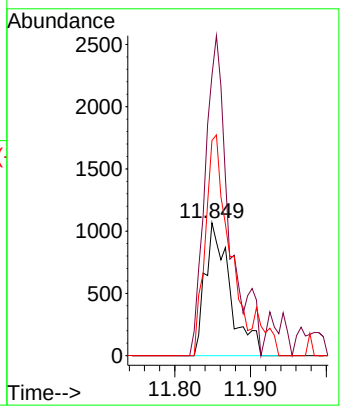




#34
Caprolactam
Concen: 3.909 ng/ul m
RT: 11.849 min Scan# 1491
Delta R.T. -0.019 min
Lab File: BG064887.D
Acq: 26 Nov 2025 13:38

Tgt Ion:113 Resp: 2423

Ion	Ratio	Lower	Upper
113	100		
55	211.2	187.9	281.9
56	162.1	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 10:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	26127	20.000	ng/ul	0.00
20) Naphthalene-d8	10.974	136	102976	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	92252	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	235079	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.743	240	302163	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	346149	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	4504	6.833	ng/uL	0.00
4) Pyridine-d5	3.911	84	17108	9.419	ng/ul	0.00
7) Phenol-d5	7.296	99	21170	10.051	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	30547	22.677	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	40480	25.352	ng/ul	0.00
15) 4-Methylphenol-d8	8.853	113	39402	21.706	ng/ul	0.00
21) Nitrobenzene-d5	9.317	128	21007	27.047	ng/ul	0.00
24) 2-Nitrophenol-d4	10.039	143	27869	30.209	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	57567	30.266	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	58168	23.926	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	256276	35.316	ng/ul	0.00
49) Acenaphthylene-d8	14.464	160	238185	30.649	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	6676m	6.068	ng/ul	0.00
60) Fluorene-d10	15.750	176	226026	34.695	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	51405	34.155	ng/ul	0.00
73) Anthracene-d10	17.595	188	437223	36.808	ng/ul	0.00
81) Pyrene-d10	19.863	212	575852	37.102	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.775	264	631547	34.582	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.849	113	2423m	3.909	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FDGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064887.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.130	3	7	16	rVB2	38845	70406	5.11%	0.617%
2	3.212	16	21	38	rVB	224169	334898	24.33%	2.935%
3	3.482	63	67	73	rVB2	10921	15318	1.11%	0.134%
4	3.911	135	140	150	rBV	34114	58060	4.22%	0.509%
5	7.296	710	716	731	rBV	35662	67623	4.91%	0.593%
6	7.466	739	745	753	rBV	60283	100946	7.33%	0.885%
7	7.683	775	782	794	rBV	81267	145634	10.58%	1.276%
8	8.153	855	862	871	rBV	85574	150309	10.92%	1.317%
9	8.853	974	981	989	rBV	100565	182634	13.27%	1.601%
10	9.317	1053	1060	1071	rBV	90783	164163	11.93%	1.439%
11	10.045	1177	1184	1193	rBV	81483	151398	11.00%	1.327%
12	10.586	1269	1276	1288	rBV2	129318	253064	18.38%	2.218%
13	10.974	1334	1342	1351	rBV2	121671	219328	15.93%	1.922%
14	11.097	1356	1363	1373	rBV2	94003	189768	13.79%	1.663%
15	11.849	1485	1491	1502	rBV4	11384	26199	1.90%	0.230%
16	13.377	1747	1751	1756	rBV	1471	2367	0.17%	0.021%
17	14.164	1877	1885	1900	rBV	342915	522530	37.96%	4.579%
18	14.464	1929	1936	1946	rBV2	325978	523903	38.06%	4.591%
19	14.769	1976	1988	1999	rBV	227269	371407	26.98%	3.255%
20	14.945	2013	2018	2026	rBV	17192	35315	2.57%	0.309%
21	15.163	2051	2055	2062	rVB3	2461	4610	0.33%	0.040%
22	15.562	2118	2123	2126	rVB3	3160	4371	0.32%	0.038%
23	15.750	2148	2155	2167	rBV	502801	794662	57.73%	6.964%
24	15.850	2167	2172	2181	rBV	161547	261683	19.01%	2.293%
25	15.991	2193	2196	2200	rVB3	3558	4915	0.36%	0.043%
26	16.103	2210	2215	2221	rBV	16763	27688	2.01%	0.243%
27	16.667	2308	2311	2316	rVB2	6106	8708	0.63%	0.076%
28	17.243	2406	2409	2413	rBV2	1811	2288	0.17%	0.020%
29	17.407	2432	2437	2439	rVB4	1919	3184	0.23%	0.028%
30	17.495	2444	2452	2461	rVV2	336751	530529	38.54%	4.649%
31	17.595	2462	2469	2484	rVV2	633681	1018135	73.96%	8.923%
32	18.148	2560	2563	2566	rVB3	2087	2570	0.19%	0.023%
33	18.248	2576	2580	2583	rBV	1822	1914	0.14%	0.017%
34	18.365	2594	2600	2606	rBV3	31610	51648	3.75%	0.453%
35	18.441	2609	2613	2618	rVB3	3561	6161	0.45%	0.054%
36	18.665	2648	2651	2654	rVB3	3096	2769	0.20%	0.024%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FDGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	18.859	2680	2684	2685	rBV2	2978	3195	0.23%	0.028%
38	18.911	2690	2693	2696	rBV3	1989	2449	0.18%	0.021%
39	19.047	2713	2716	2717	rBV3	2131	1990	0.14%	0.017%
40	19.217	2742	2745	2750	rBV5	3485	6639	0.48%	0.058%
41	19.376	2770	2772	2776	rBV4	2021	2954	0.21%	0.026%
42	19.434	2777	2782	2788	rVV3	11332	18985	1.38%	0.166%
43	19.505	2788	2794	2799	rVV	14541	27125	1.97%	0.238%
44	19.564	2799	2804	2810	rVV	96555	120345	8.74%	1.055%
45	19.628	2811	2815	2819	rVV4	12798	20150	1.46%	0.177%
46	19.728	2829	2832	2833	rVB3	3119	2492	0.18%	0.022%
47	19.775	2836	2840	2842	rBV5	2002	3298	0.24%	0.029%
48	19.863	2847	2855	2865	rBV	897258	1341156	97.42%	11.754%
49	20.045	2884	2886	2887	rBV2	2889	2054	0.15%	0.018%
50	20.551	2968	2972	2973	rVB4	4719	5188	0.38%	0.045%
51	20.592	2978	2979	2982	rBV3	3389	3380	0.25%	0.030%
52	20.621	2982	2984	2987	rVB4	3993	3056	0.22%	0.027%
53	20.645	2987	2988	2990	rBV2	3506	2786	0.20%	0.024%
54	20.839	3020	3021	3023	rBV2	3264	3071	0.22%	0.027%
55	21.109	3065	3067	3068	rBV2	3161	3007	0.22%	0.026%
56	21.191	3079	3081	3083	rBV3	3550	3167	0.23%	0.028%
57	21.379	3109	3113	3122	rBV9	14925	32420	2.36%	0.284%
58	21.626	3151	3155	3156	rBV4	7986	7635	0.55%	0.067%
59	21.743	3169	3175	3188	rVB	409630	724469	52.63%	6.349%
60	21.937	3205	3208	3211	rVB4	8701	11707	0.85%	0.103%
61	22.190	3249	3251	3252	rBV2	3862	2678	0.19%	0.023%
62	22.425	3289	3291	3292	rBV2	3426	2050	0.15%	0.018%
63	22.542	3308	3311	3316	rVV4	10482	16071	1.17%	0.141%
64	22.801	3353	3355	3357	rBV2	2633	2157	0.16%	0.019%
65	22.860	3363	3365	3369	rBV5	2968	3567	0.26%	0.031%
66	23.183	3417	3420	3422	rBV4	4053	5946	0.43%	0.052%
67	23.248	3426	3431	3436	rVV3	19645	41538	3.02%	0.364%
68	23.324	3442	3444	3446	rBV3	3226	2050	0.15%	0.018%
69	23.353	3448	3449	3452	rBV3	4530	4015	0.29%	0.035%
70	23.447	3460	3465	3471	rVB6	11758	18024	1.31%	0.158%
71	23.647	3496	3499	3500	rBV3	3495	3938	0.29%	0.035%
72	23.665	3500	3502	3508	rVV6	3726	5546	0.40%	0.049%
73	23.770	3518	3520	3522	rVB3	3113	2207	0.16%	0.019%
74	23.859	3533	3535	3537	rBV3	3691	3643	0.26%	0.032%
75	24.070	3562	3571	3577	rBV4	27500	63696	4.63%	0.558%
76	24.141	3581	3583	3585	rVB3	3970	2749	0.20%	0.024%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FDGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	24.775	3680	3691	3705	rBV	493643	1376620	100.00%	12.064%
78	24.910	3713	3714	3716	rBV2	3204	2732	0.20%	0.024%
79	24.998	3718	3729	3745	rVB	276106	879747	63.91%	7.710%
80	26.179	3921	3930	3941	rVB4	30724	101153	7.35%	0.886%
81	26.702	4018	4019	4021	rBV2	2339	1920	0.14%	0.017%
82	26.779	4030	4032	4034	rBV3	2831	1999	0.15%	0.018%
83	26.820	4037	4039	4042	rVB4	2809	2269	0.16%	0.020%
84	26.955	4060	4062	4066	rBV5	2369	3351	0.24%	0.029%
85	27.443	4144	4145	4148	rBV3	2676	2175	0.16%	0.019%
86	27.554	4157	4164	4176	rVB4	28713	104111	7.56%	0.912%
87	28.112	4257	4259	4260	rVB2	3463	1963	0.14%	0.017%
88	28.136	4260	4263	4265	rBV3	3480	4083	0.30%	0.036%
89	28.383	4303	4305	4307	rBV3	1811	2087	0.15%	0.018%
90	29.199	4439	4444	4445	rBV5	11374	15361	1.12%	0.135%
91	29.599	4510	4512	4515	rBV4	2310	3591	0.26%	0.031%
92	29.816	4547	4549	4552	rBV2	2540	2602	0.19%	0.023%
93	30.116	4597	4600	4601	rBV2	2990	2918	0.21%	0.026%
94	30.821	4716	4720	4721	rBV4	2238	2787	0.20%	0.024%
95	30.939	4736	4740	4743	rBV5	2882	3956	0.29%	0.035%
96	31.162	4776	4778	4779	rBV2	2850	2455	0.18%	0.022%
97	31.238	4780	4791	4792	rBV6	15741	37345	2.71%	0.327%
98	31.726	4872	4874	4878	rVB5	3751	3783	0.27%	0.033%
99	32.519	5008	5009	5012	rVB2	3585	3174	0.23%	0.028%
100	32.548	5012	5014	5018	rBV4	2881	4678	0.34%	0.041%

Sum of corrected areas: 11410558

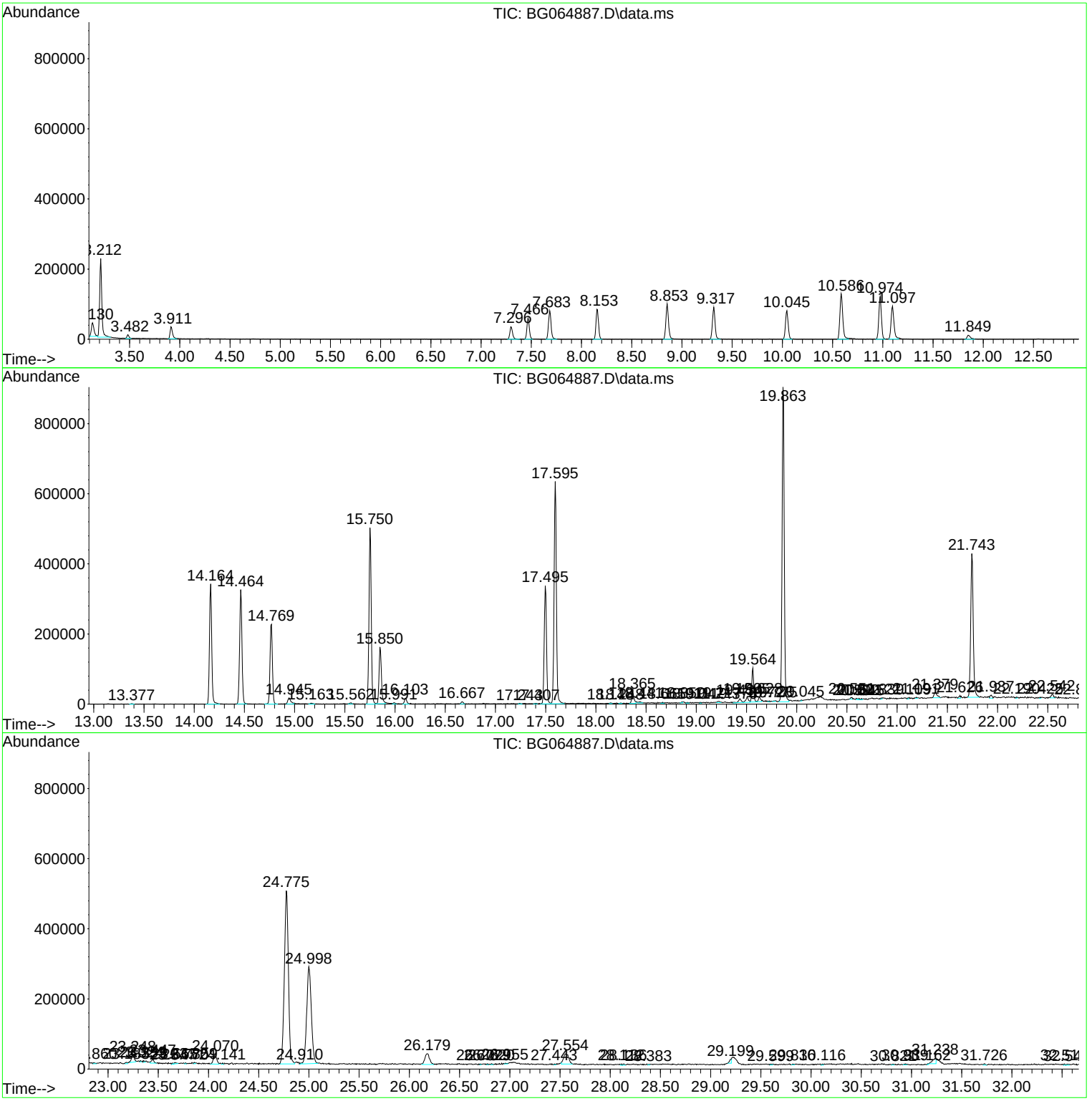
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FDGW-20251120

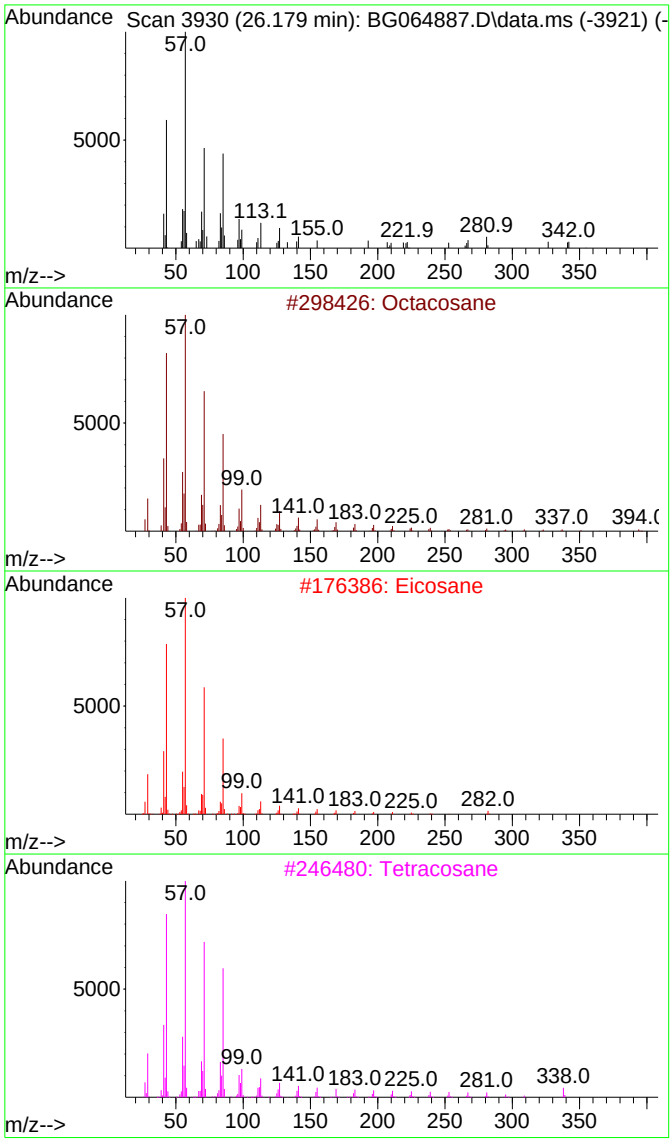
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

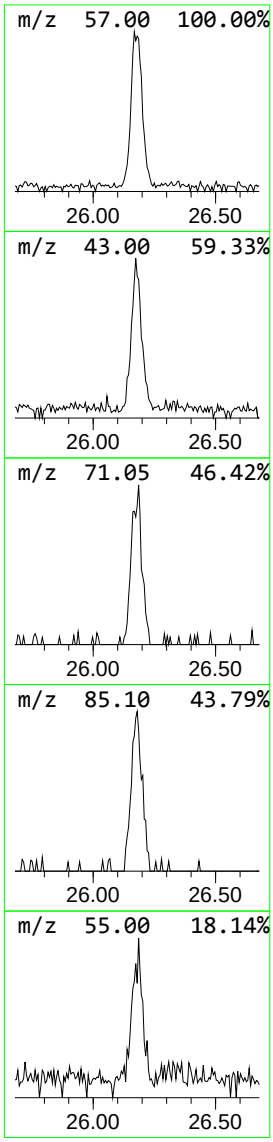
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.179	2.30 ng/ul	101153	Perylene-d12	24.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	86
2	Eicosane	282	C20H42	000112-95-8	74
3	Tetracosane	338	C24H50	000646-31-1	72
4	Tetracosane	338	C24H50	000646-31-1	64
5	Nonadecane	268	C19H40	000629-92-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FDGW-20251120

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	26.179	2.3	ng/ul	101153	6	24.998	879747	20.0

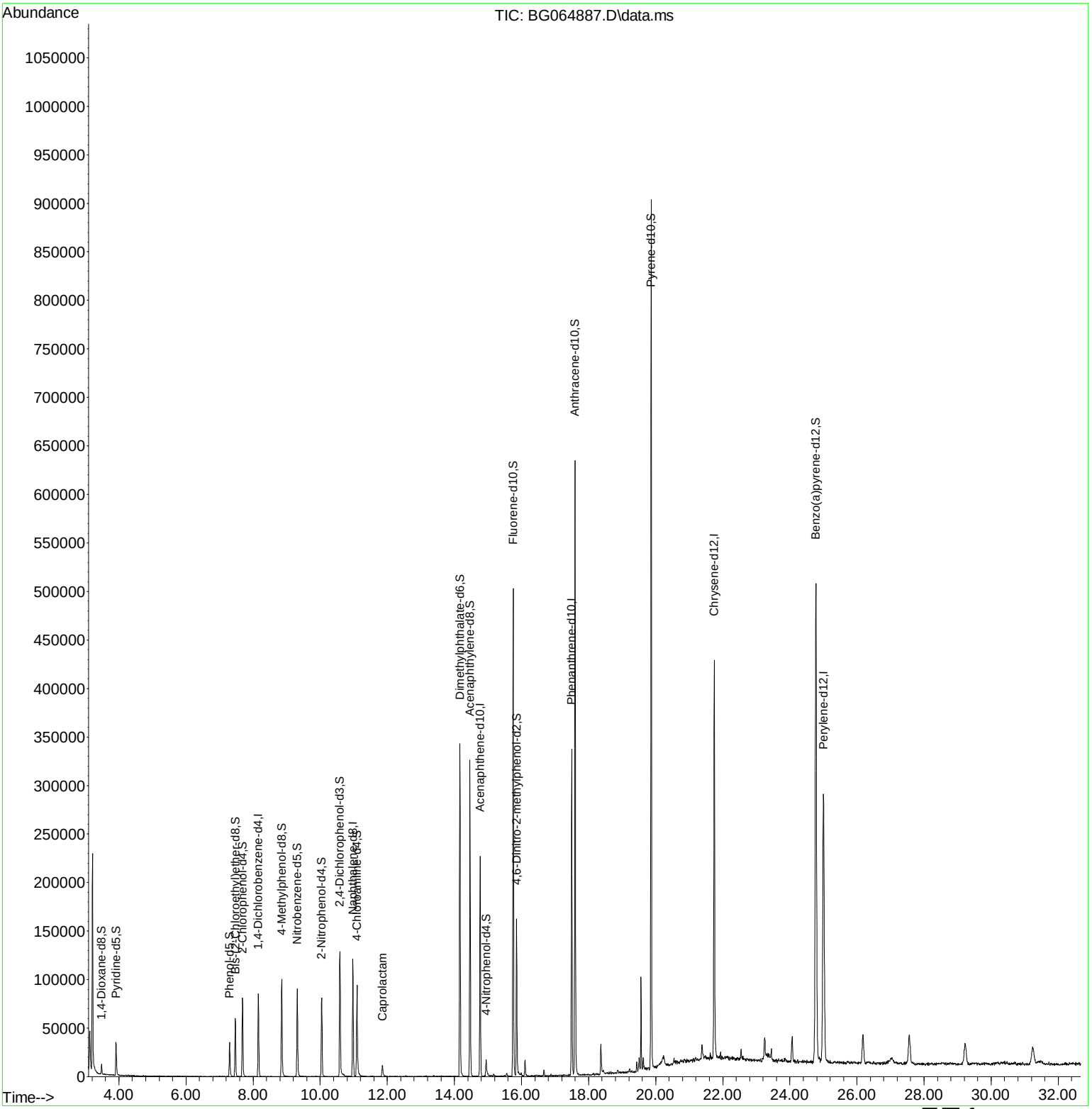
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 01 10:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



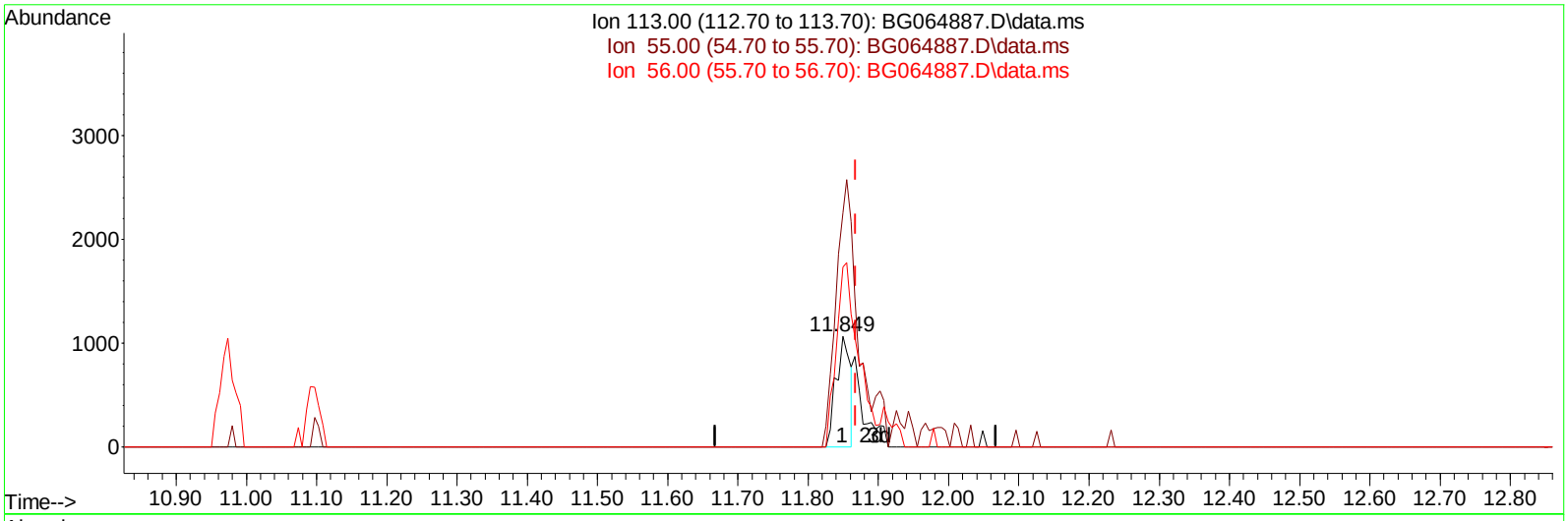
Quantitation Report (Qedit)

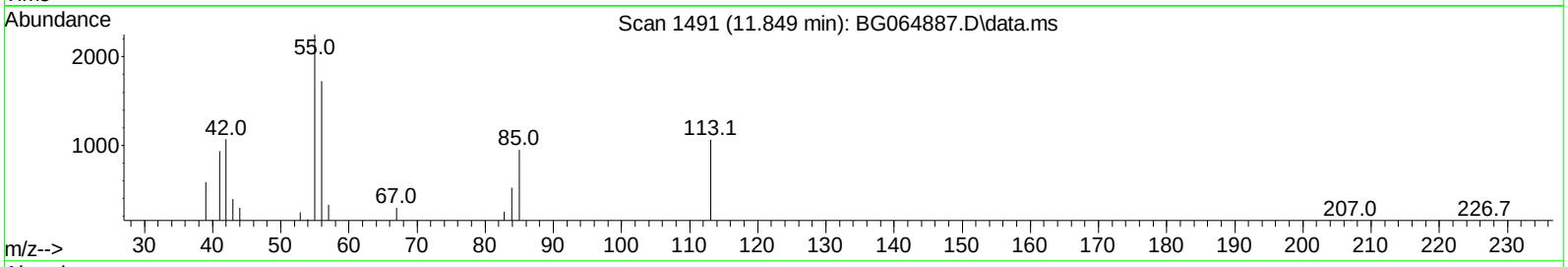
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

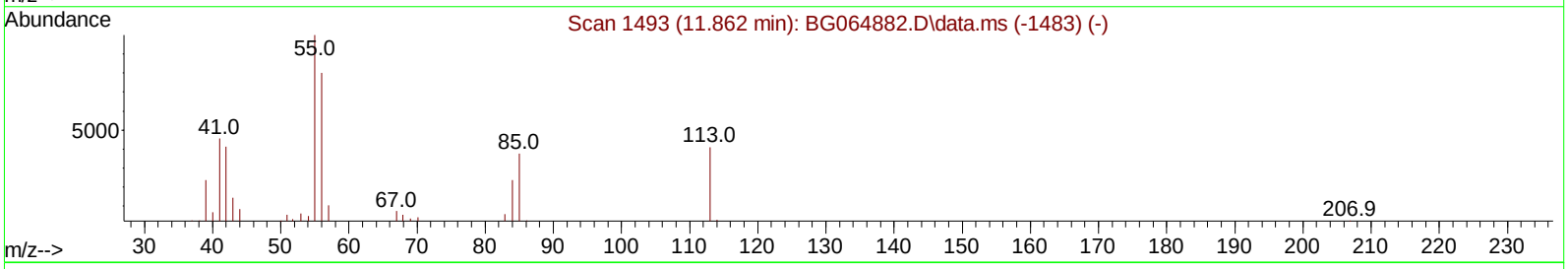
Quant Time: Dec 01 07:51:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064887.D\data.ms

(34) Caprolactam

11.849min (-0.019) 2.40 ng/ul

response 1487

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	211.16
56.00	159.40	162.10
0.00	0.00	0.00

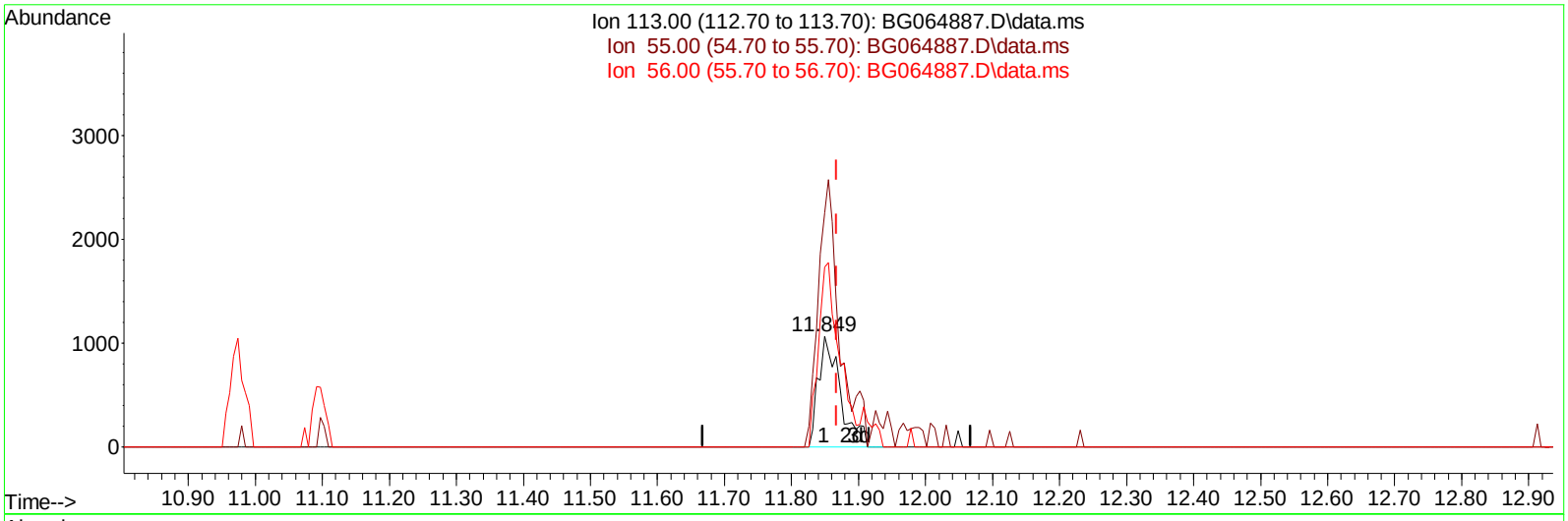
Quantitation Report (Qedit)

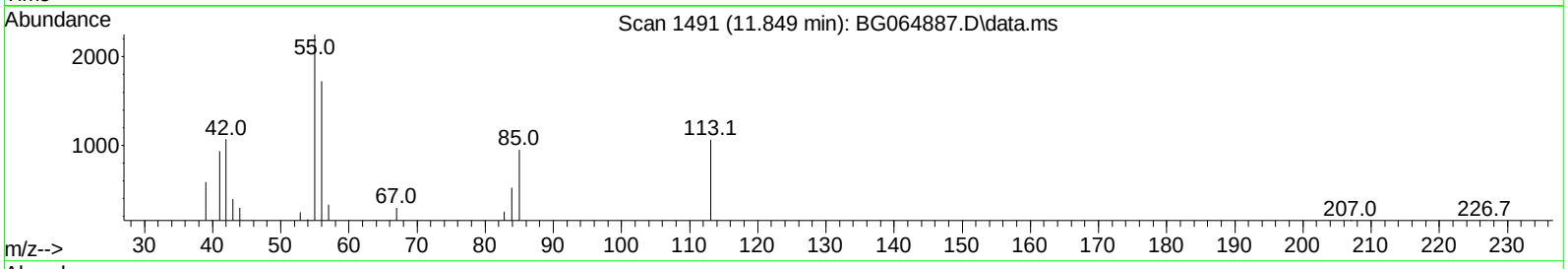
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

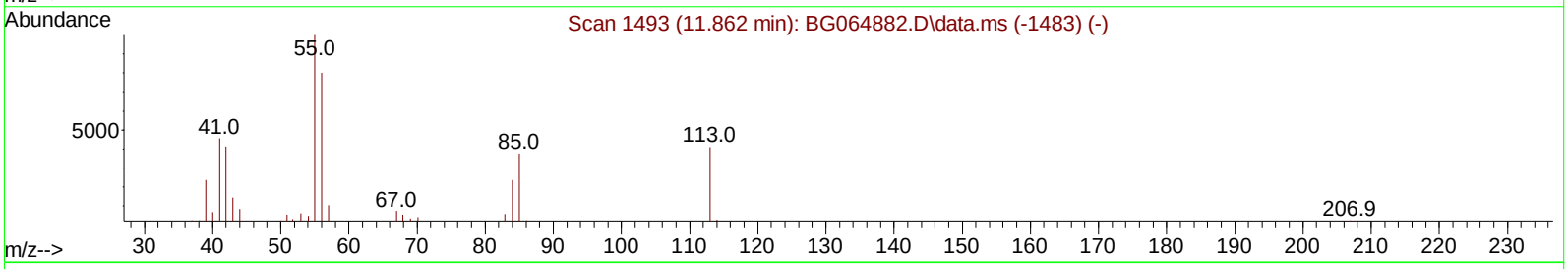
Quant Time: Dec 01 07:51:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064887.D\data.ms

(34) Caprolactam

11.849min (-0.019) 3.91 ng/ul m

response 2423

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	211.16
56.00	159.40	162.10
0.00	0.00	0.00

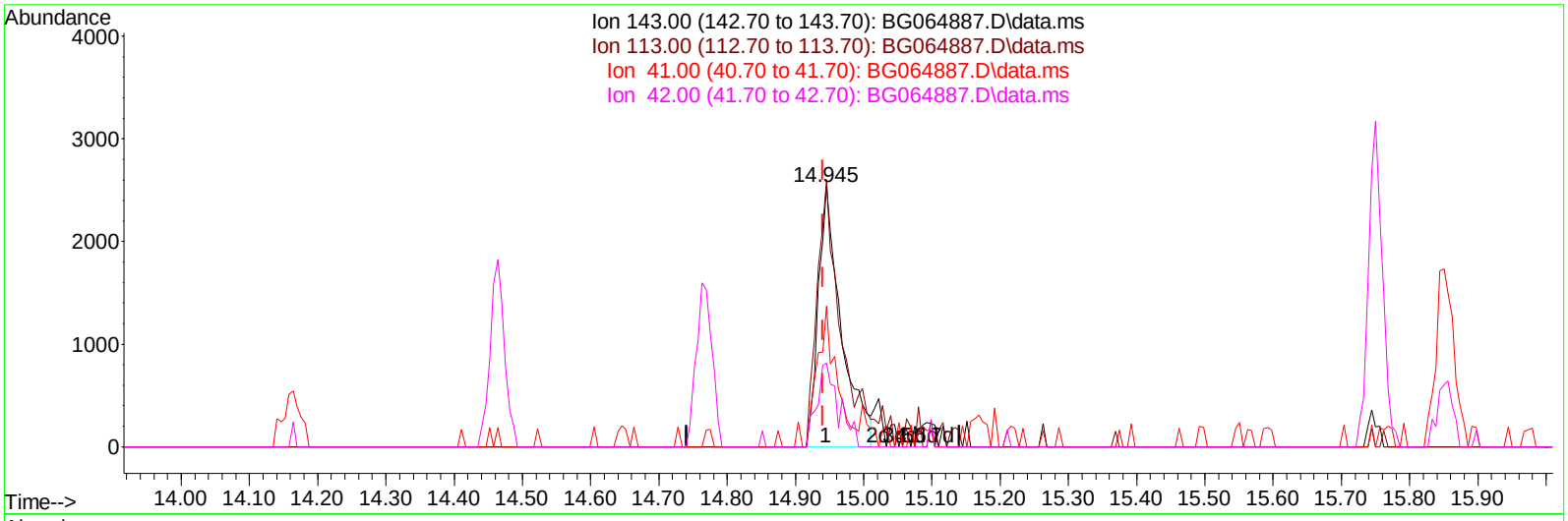
Quantitation Report (Qedit)

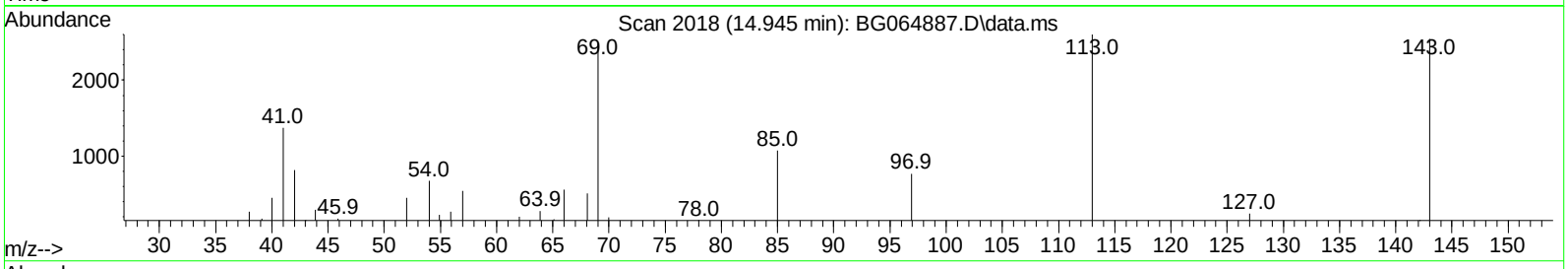
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

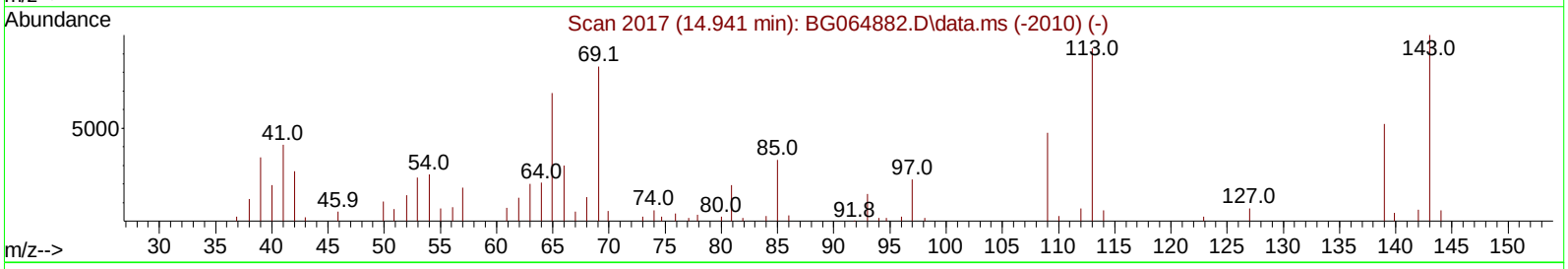
Quant Time: Dec 01 07:51:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064887.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.945min (+ 0.005) 5.41 ng/ul

response 5955

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	102.36
41.00	40.40	54.07#
42.00	23.60	32.07#

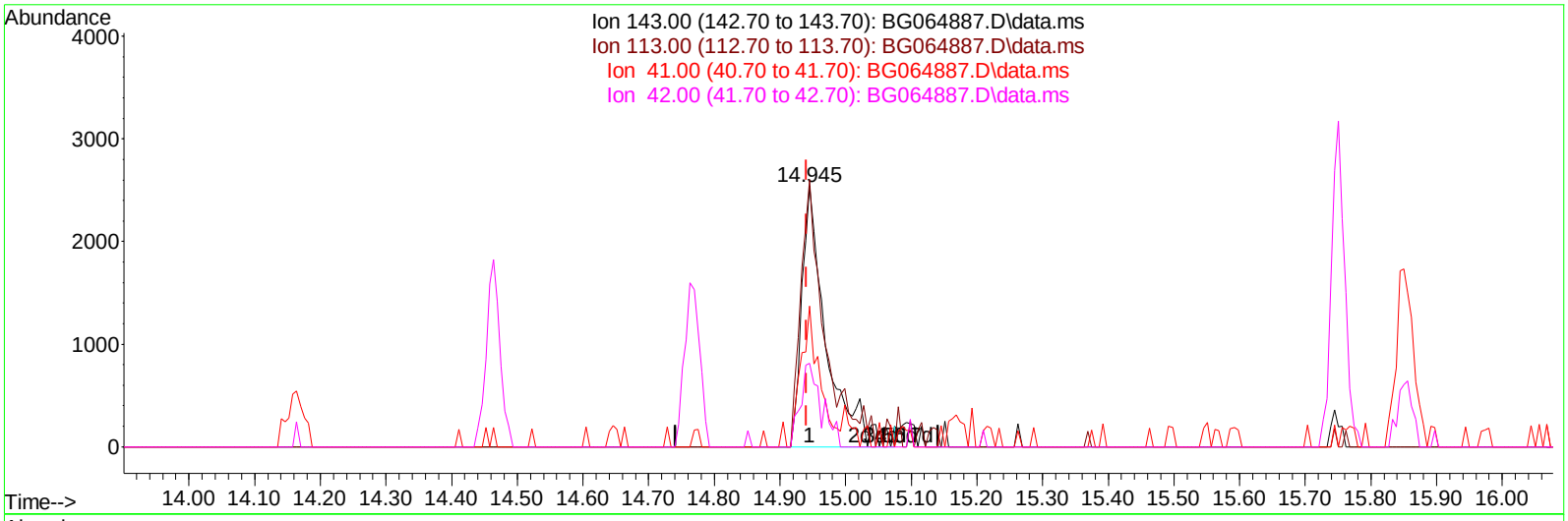
Quantitation Report (Qedit)

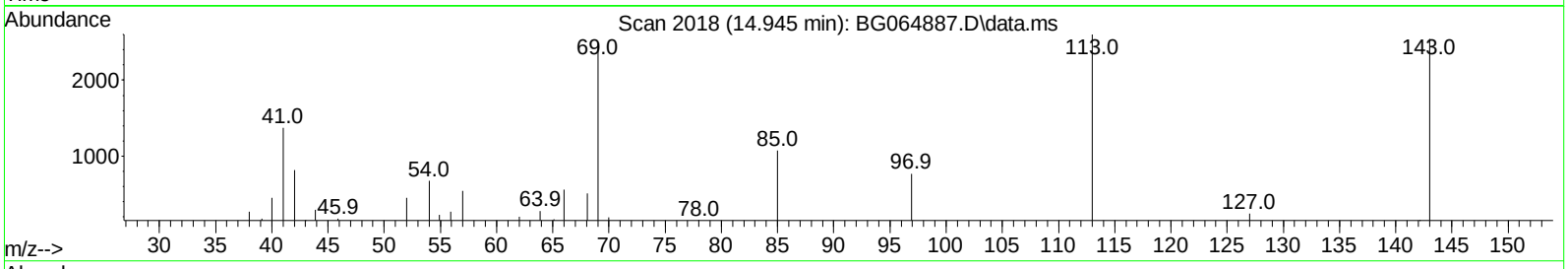
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

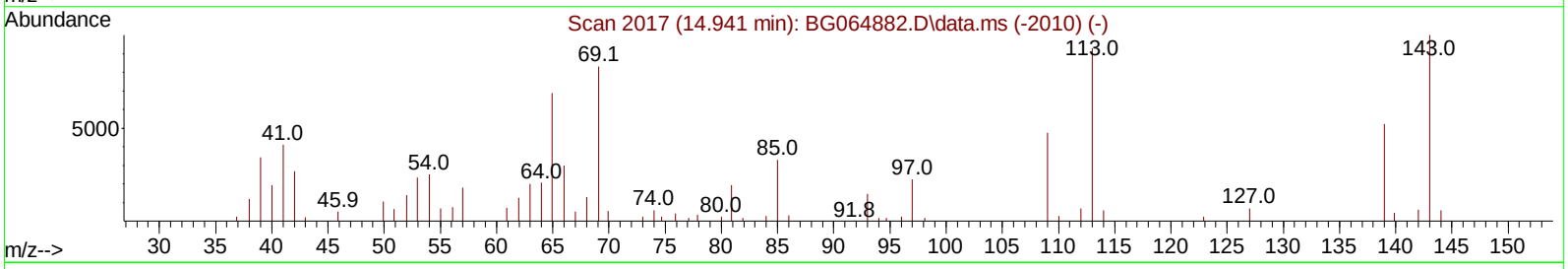
Quant Time: Dec 01 07:51:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064887.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.945min (+ 0.005) 6.07 ng/ul m

response 6676

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	102.36
41.00	40.40	54.07#
42.00	23.60	32.07#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064887.D
Acq On : 26 Nov 2025 13:38
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 01 10:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	26127	20.000	ng/ul	0.00
20) Naphthalene-d8	10.974	136	102976	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	92252	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	235079	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.743	240	302163	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	346149	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	4504	6.833	ng/uL	0.00
4) Pyridine-d5	3.911	84	17108	9.419	ng/ul	0.00
7) Phenol-d5	7.296	99	21170	10.051	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	30547	22.677	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	40480	25.352	ng/ul	0.00
15) 4-Methylphenol-d8	8.853	113	39402	21.706	ng/ul	0.00
21) Nitrobenzene-d5	9.317	128	21007	27.047	ng/ul	0.00
24) 2-Nitrophenol-d4	10.039	143	27869	30.209	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	57567	30.266	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	58168	23.926	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	256276	35.316	ng/ul	0.00
49) Acenaphthylene-d8	14.464	160	238185	30.649	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	6676m	6.068	ng/ul	0.00
60) Fluorene-d10	15.750	176	226026	34.695	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	51405	34.155	ng/ul	0.00
73) Anthracene-d10	17.595	188	437223	36.808	ng/ul	0.00
81) Pyrene-d10	19.863	212	575852	37.102	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.775	264	631547	34.582	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.849	113	2423m	3.909	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-28I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-19
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064896.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-28I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-19
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064896.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.854	7.8	JN
2	000119-61-9	Benzophenone	16.108	2.6	JN
3	1000309-18-0	Sulfurous acid, butyl tridecyl est	26.178	2.4	JN
4	E966796	Total Alkanes	N/A	0.0	

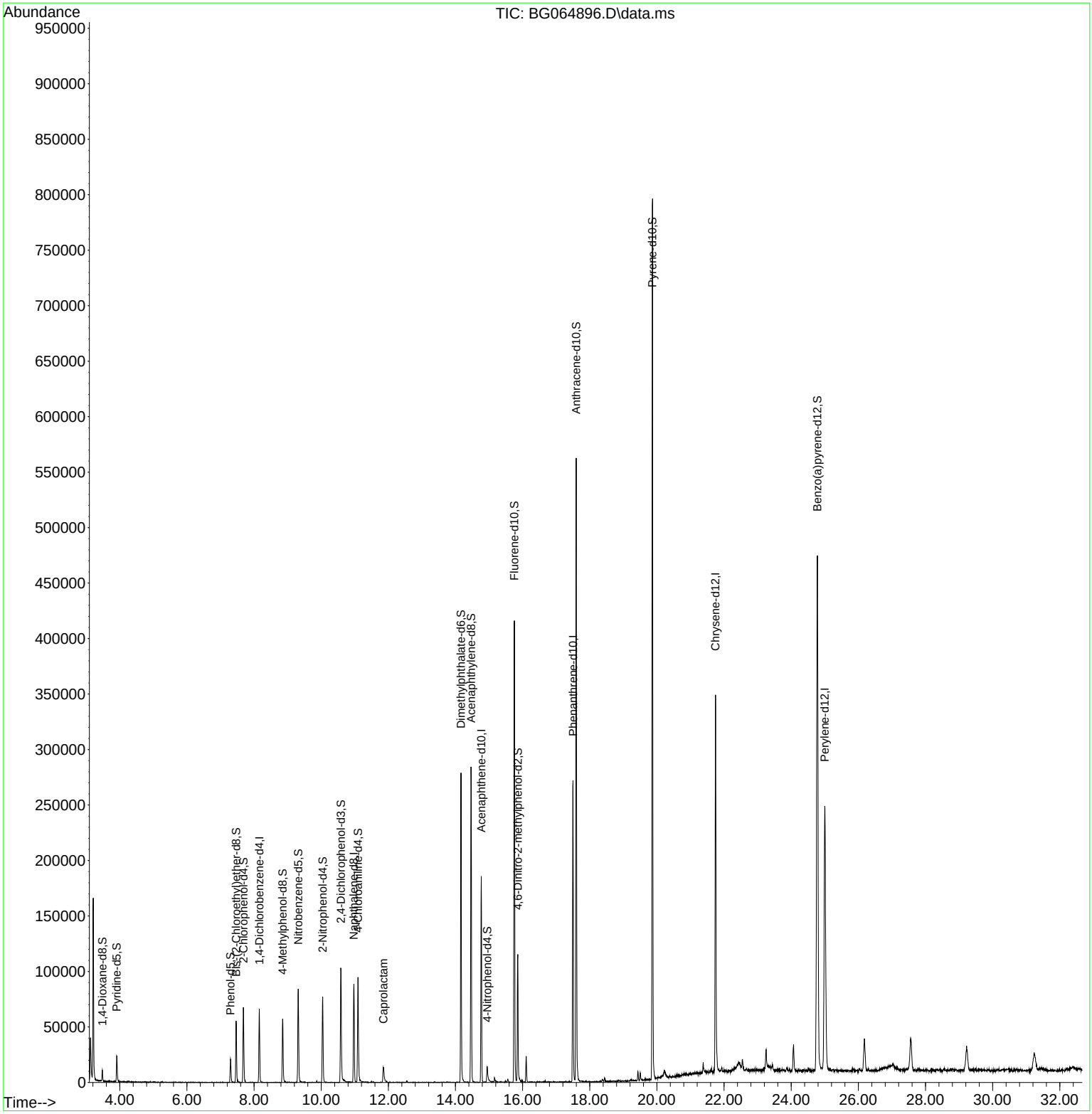
EPA-designated Registry Number.

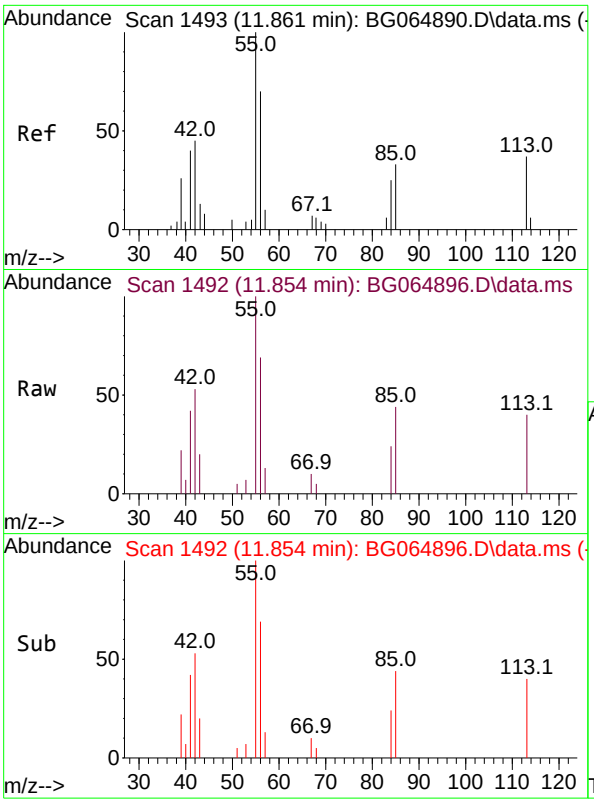
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 01 11:42:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

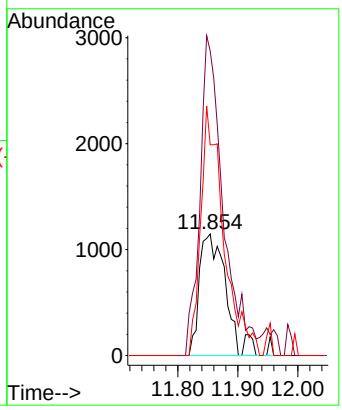




#34
Caprolactam
Concen: 7.737 ng/ul m
RT: 11.854 min Scan# 1492
Delta R.T. -0.014 min
Lab File: BG064896.D
Acq: 26 Nov 2025 19:47

Tgt Ion:113 Resp: 3583

Ion	Ratio	Lower	Upper
113	100		
55	250.3	187.9	281.9
56	173.3	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:42:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	20387	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	76932	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	71621	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	191952	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	264380	20.000	ng/ul	# 0.00
88) Perylene-d12	24.997	264	297217	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	4109	7.989	ng/uL	0.00
4) Pyridine-d5	3.910	84	12488	8.812	ng/ul	0.00
7) Phenol-d5	7.300	99	13012	7.917	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	27606	26.264	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	33389	26.799	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	23999	16.943	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	20968	36.136	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	25510	37.013	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	46305	32.586	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	52279	28.783	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	206590	36.670	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	211622	35.075	ng/ul	0.00
54) 4-Nitrophenol-d4	14.944	143	6552m	7.671	ng/ul	0.00
60) Fluorene-d10	15.749	176	192651	38.091	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	37451	30.474	ng/ul	0.00
73) Anthracene-d10	17.594	188	381909	39.375	ng/ul	0.00
81) Pyrene-d10	19.862	212	523230	38.529	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	616452	39.312	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.854	113	3583m	7.737	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064896.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.129	3	7	15	rVV	35696	62320	4.69%	0.644%
2	3.211	15	21	30	rVV	163689	242489	18.26%	2.506%
3	3.276	30	32	35	rVB2	1787	1631	0.12%	0.017%
4	3.481	62	67	73	rVB3	10136	14867	1.12%	0.154%
5	3.910	135	140	152	rBV	23336	40531	3.05%	0.419%
6	4.274	197	202	205	rBV3	1019	1464	0.11%	0.015%
7	7.300	711	717	725	rBV2	21115	38850	2.93%	0.401%
8	7.465	739	745	755	rBV	55451	95835	7.22%	0.990%
9	7.682	776	782	790	rBV	67633	122729	9.24%	1.268%
10	8.158	856	863	875	rBB	66096	114395	8.61%	1.182%
11	8.851	973	981	991	rBV3	57219	110512	8.32%	1.142%
12	9.316	1053	1060	1069	rBV	84389	158962	11.97%	1.643%
13	9.380	1069	1071	1077	rVB2	1055	1664	0.13%	0.017%
14	9.868	1150	1154	1157	rBB	1544	1607	0.12%	0.017%
15	10.044	1178	1184	1197	rBV	76933	140558	10.58%	1.452%
16	10.585	1269	1276	1286	rBV	103090	200689	15.11%	2.074%
17	10.667	1289	1290	1296	rVV2	2142	3429	0.26%	0.035%
18	10.973	1335	1342	1352	rBV	88695	167208	12.59%	1.728%
19	11.096	1355	1363	1373	rVV2	94649	180713	13.61%	1.867%
20	11.166	1373	1375	1382	rVB2	2213	3635	0.27%	0.038%
21	11.848	1482	1491	1506	rBV2	13689	38346	2.89%	0.396%
22	12.553	1604	1611	1617	rBB2	1658	2813	0.21%	0.029%
23	14.163	1878	1885	1894	rBV	279045	418979	31.55%	4.329%
24	14.463	1929	1936	1946	rBV	284315	468435	35.28%	4.841%
25	14.768	1978	1988	1997	rBV	185798	287229	21.63%	2.968%
26	14.944	2011	2018	2026	rBV3	14122	32910	2.48%	0.340%
27	15.021	2030	2031	2037	rVB3	1117	1671	0.13%	0.017%
28	15.162	2050	2055	2063	rBV3	4005	7076	0.53%	0.073%
29	15.555	2115	2122	2128	rVV3	2970	5238	0.39%	0.054%
30	15.755	2148	2156	2166	rBV	415993	675308	50.85%	6.978%
31	15.855	2167	2173	2185	rVV	115031	192519	14.50%	1.989%
32	15.973	2189	2193	2194	rVV3	1297	1438	0.11%	0.015%
33	15.984	2194	2195	2198	rVB	1799	1633	0.12%	0.017%
34	16.108	2211	2216	2223	rBV	23546	36502	2.75%	0.377%
35	16.672	2308	2312	2314	rBV	1814	2019	0.15%	0.021%
36	17.289	2412	2417	2422	rBV3	1159	2114	0.16%	0.022%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	17.500	2446	2453	2462	rBV2	271298	424559	31.97%	4.387%
38	17.594	2462	2469	2480	rVV	560583	860911	64.83%	8.896%
39	18.370	2598	2601	2603	rBV2	2491	2650	0.20%	0.027%
40	18.440	2609	2613	2619	rVB	3422	5539	0.42%	0.057%
41	18.863	2682	2685	2690	rVB4	1626	2699	0.20%	0.028%
42	19.216	2741	2745	2746	rBV2	1319	1536	0.12%	0.016%
43	19.251	2749	2751	2755	rBV3	1274	1510	0.11%	0.016%
44	19.433	2777	2782	2789	rVB3	8371	13219	1.00%	0.137%
45	19.504	2789	2794	2799	rBV2	7199	11588	0.87%	0.120%
46	19.621	2809	2814	2816	rBV2	1019	1482	0.11%	0.015%
47	19.774	2837	2840	2842	rVB3	1634	1759	0.13%	0.018%
48	19.868	2848	2856	2868	rBV	794030	1206841	90.88%	12.471%
49	20.215	2910	2915	2916	rBV5	4612	6409	0.48%	0.066%
50	20.573	2972	2976	2977	rBV3	2520	2487	0.19%	0.026%
51	20.861	3022	3025	3026	rBV3	2075	1581	0.12%	0.016%
52	20.896	3029	3031	3034	rVB3	1609	1560	0.12%	0.016%
53	21.196	3079	3082	3084	rBV4	2484	2832	0.21%	0.029%
54	21.243	3088	3090	3092	rBV2	1960	1712	0.13%	0.018%
55	21.378	3106	3113	3119	rBV8	10232	18658	1.41%	0.193%
56	21.443	3123	3124	3127	rVV3	2632	2212	0.17%	0.023%
57	21.490	3130	3132	3135	rVV4	2451	2759	0.21%	0.029%
58	21.525	3136	3138	3139	rVB2	2470	1470	0.11%	0.015%
59	21.625	3153	3155	3160	rVB5	4514	5121	0.39%	0.053%
60	21.683	3163	3165	3167	rBV3	1995	1671	0.13%	0.017%
61	21.742	3167	3175	3190	rBV2	340883	632423	47.63%	6.535%
62	21.930	3203	3207	3210	rVB5	3549	5280	0.40%	0.055%
63	21.995	3217	3218	3221	rBV2	2478	1727	0.13%	0.018%
64	22.195	3251	3252	3254	rBV2	2384	2016	0.15%	0.021%
65	22.236	3257	3259	3261	rBV3	2324	1549	0.12%	0.016%
66	22.312	3270	3272	3274	rBV3	2413	2224	0.17%	0.023%
67	22.547	3308	3312	3320	rVB7	9957	19867	1.50%	0.205%
68	22.665	3330	3332	3337	rVB6	2226	2769	0.21%	0.029%
69	22.953	3380	3381	3384	rBV3	2831	2145	0.16%	0.022%
70	23.094	3403	3405	3408	rVB4	1749	1813	0.14%	0.019%
71	23.211	3423	3425	3426	rBV2	2451	1892	0.14%	0.020%
72	23.252	3426	3432	3440	rVV4	17775	39828	3.00%	0.412%
73	23.628	3494	3496	3501	rVB4	2939	2410	0.18%	0.025%
74	23.946	3549	3550	3553	rVB3	2478	1792	0.13%	0.019%
75	24.069	3563	3571	3579	rBV3	24055	52436	3.95%	0.542%
76	24.504	3643	3645	3648	rBV4	2923	3123	0.24%	0.032%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	24.780	3680	3692	3709	rBV	463854	1327917	100.00%	13.722%
78	24.997	3719	3729	3745	rVB	236460	739623	55.70%	7.643%
79	25.303	3779	3781	3782	rBV2	1653	1568	0.12%	0.016%
80	25.409	3797	3799	3802	rBV4	1745	2351	0.18%	0.024%
81	25.691	3845	3847	3852	rBV5	2118	3471	0.26%	0.036%
82	25.837	3870	3872	3874	rBV3	2748	2632	0.20%	0.027%
83	26.031	3900	3905	3906	rBV4	3231	5266	0.40%	0.054%
84	26.178	3922	3930	3940	rVB4	29582	87523	6.59%	0.904%
85	26.302	3949	3951	3953	rVB3	2625	1877	0.14%	0.019%
86	27.347	4127	4129	4132	rVB4	2511	2233	0.17%	0.023%
87	27.565	4156	4166	4179	rVB5	28607	107397	8.09%	1.110%
88	28.005	4239	4241	4246	rVB5	2501	3396	0.26%	0.035%
89	28.170	4267	4269	4272	rBV3	3407	2896	0.22%	0.030%
90	28.282	4287	4288	4291	rBV3	2138	1794	0.14%	0.019%
91	28.440	4313	4315	4318	rBV3	2273	2225	0.17%	0.023%
92	29.222	4436	4448	4458	rBV6	22053	84362	6.35%	0.872%
93	30.062	4589	4591	4594	rVB4	1932	1768	0.13%	0.018%
94	31.119	4770	4771	4773	rBV2	2667	2060	0.16%	0.021%
95	31.166	4777	4779	4780	rBV2	1991	1703	0.13%	0.018%
96	31.237	4780	4791	4796	rBV8	14405	51937	3.91%	0.537%
97	31.924	4907	4908	4910	rBV	2676	1474	0.11%	0.015%
98	31.989	4915	4919	4921	rVB3	2670	2500	0.19%	0.026%
99	32.089	4934	4936	4938	rBV3	2338	2371	0.18%	0.025%
100	32.154	4945	4947	4950	rBV4	2357	2604	0.20%	0.027%

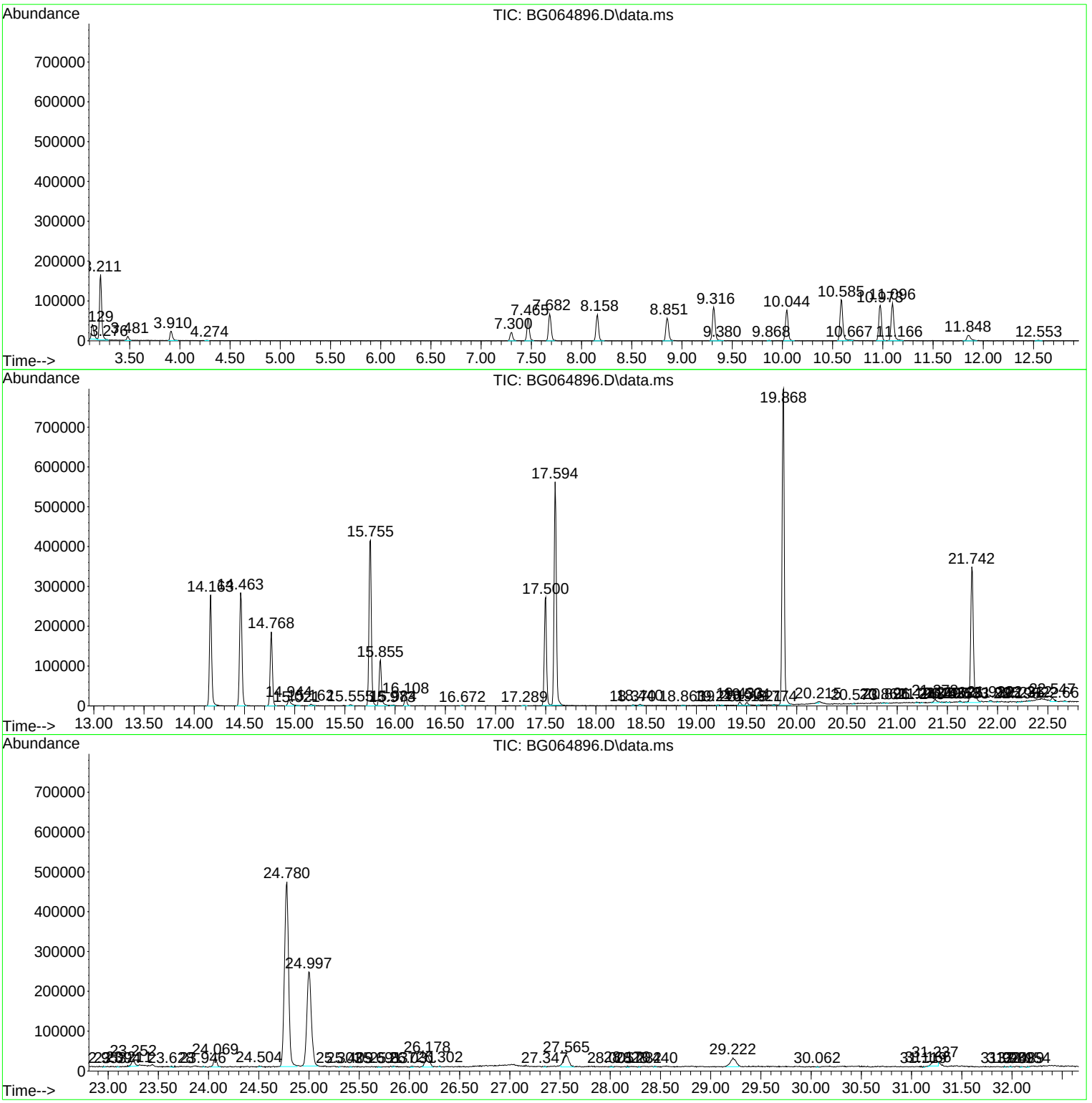
Sum of corrected areas: 9677325

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-28I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-28I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

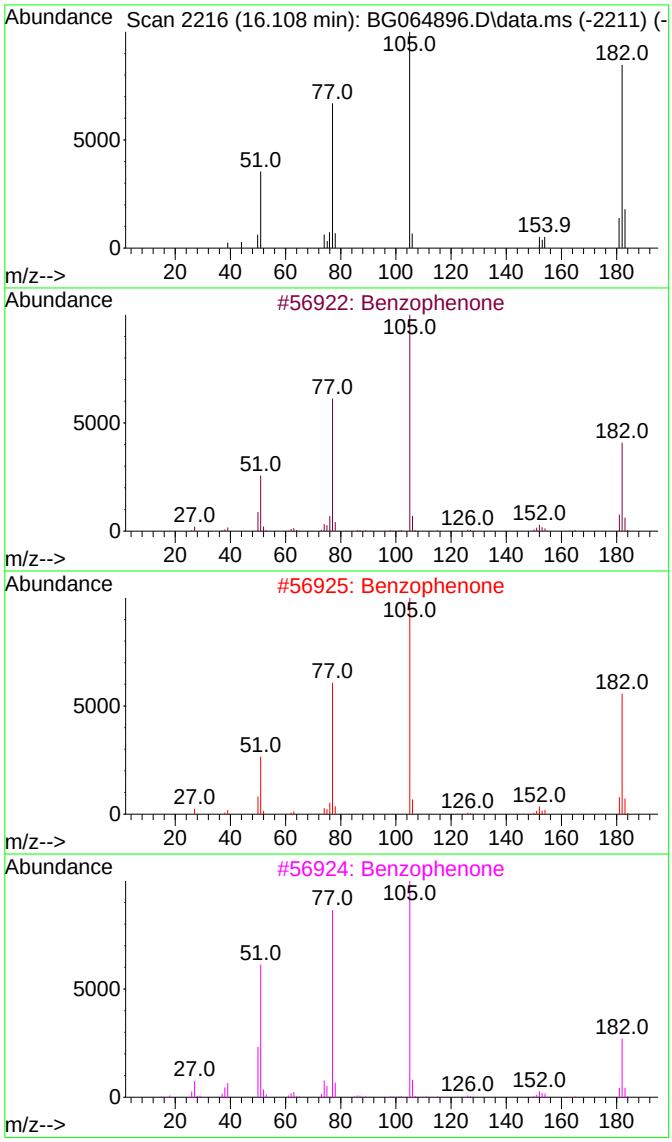
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TIC Integration Parameters: LSCINT.P

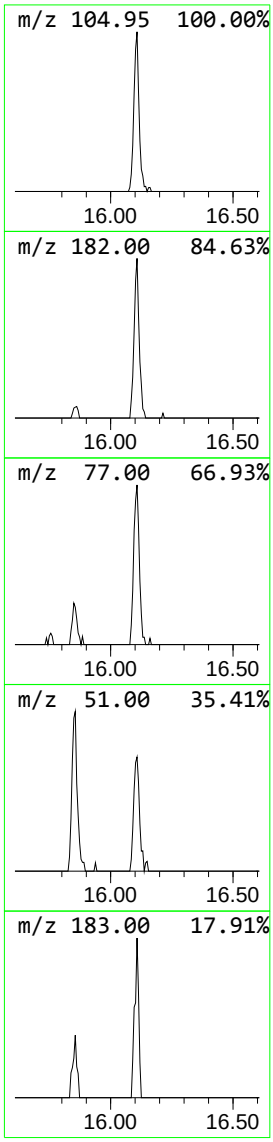
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.108	2.54 ng/ul	36502	Acenaphthene-d10	14.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	Benzophenone	182	C13H10O	000119-61-9	91
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	91
5	Benzophenone	182	C13H10O	000119-61-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28I

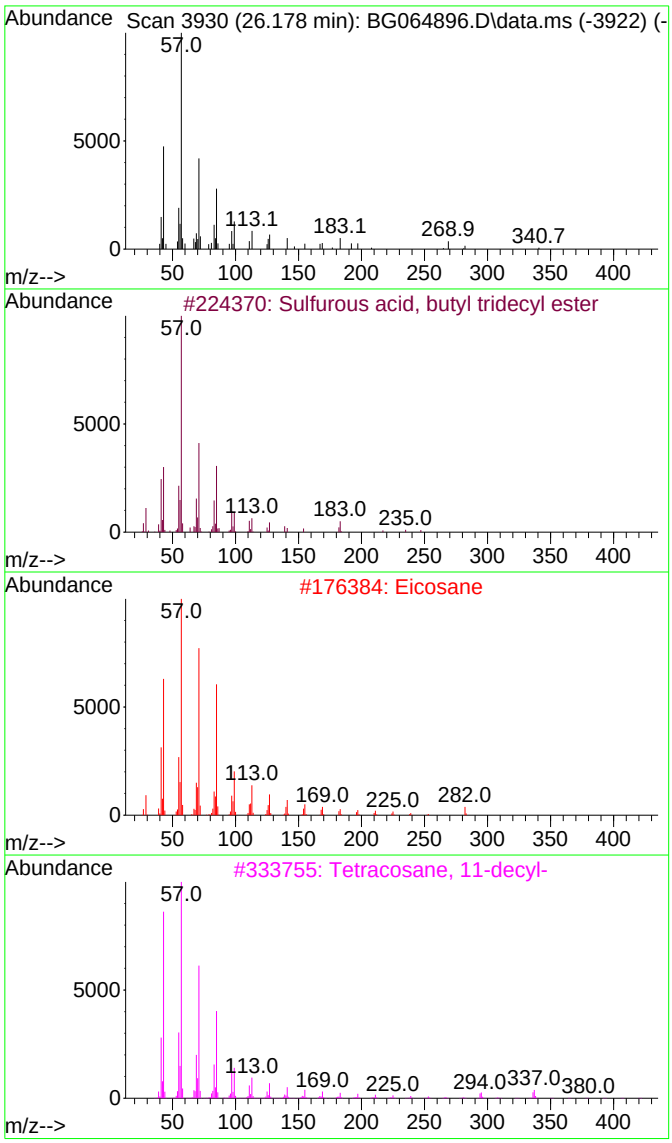
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Quant Title : SVOA CALIBRATION

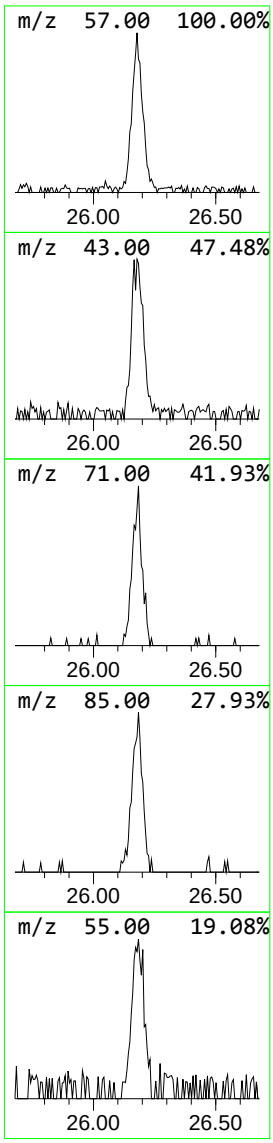
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Sulfurous acid, butyl tride... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.178	2.37 ng/ul	87523	Perylene-d12	24.997

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	86
2	Eicosane	282	C20H42	000112-95-8	76
3	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	72
4	Hentriacontane	437	C31H64	000630-04-6	72
5	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

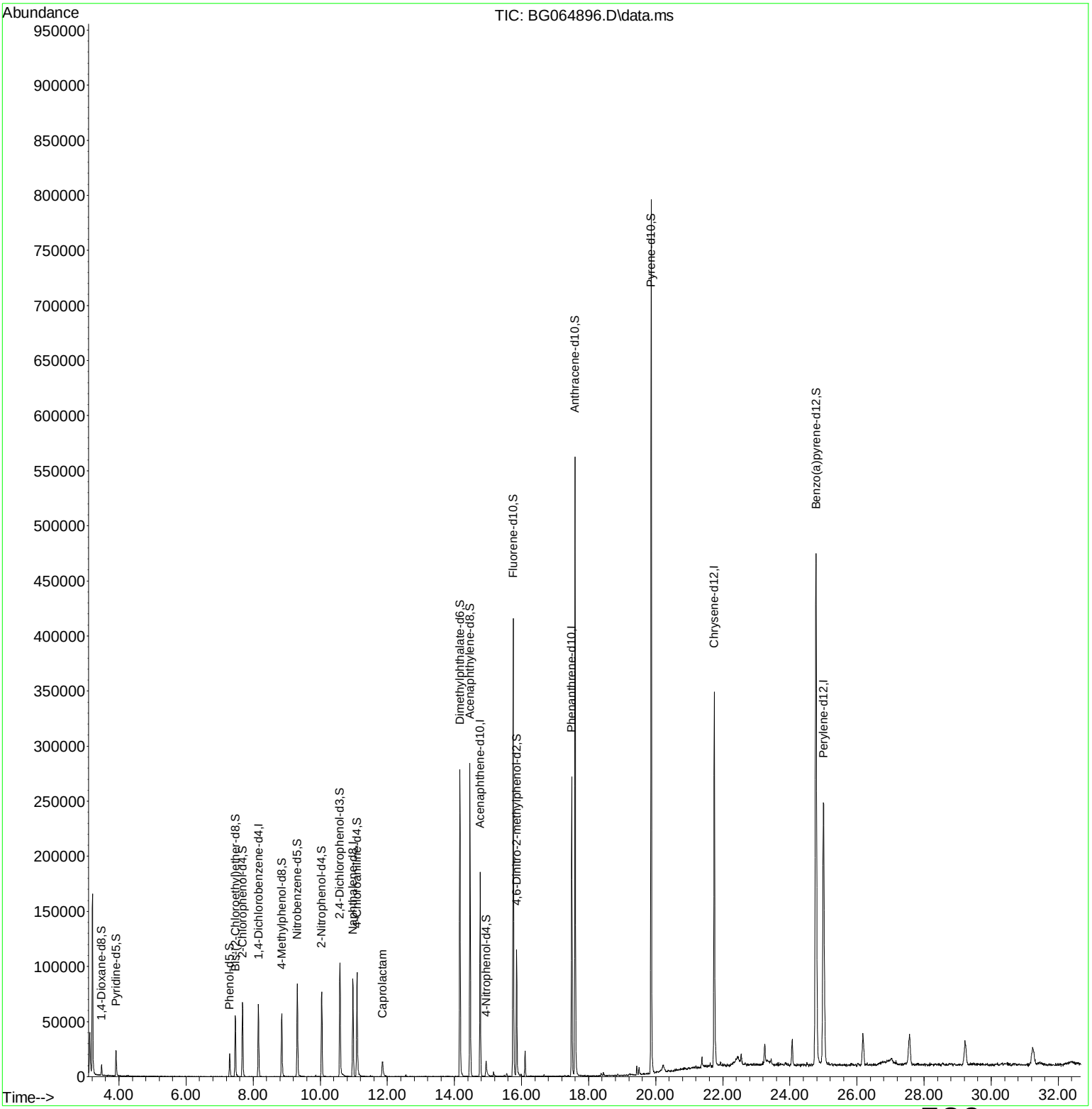
					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.108	2.5	ng/ul	36502	3	14.768	287229	20.0
Sulfurous acid,...	26.178	2.4	ng/ul	87523	6	24.997	739623	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 01 11:42:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



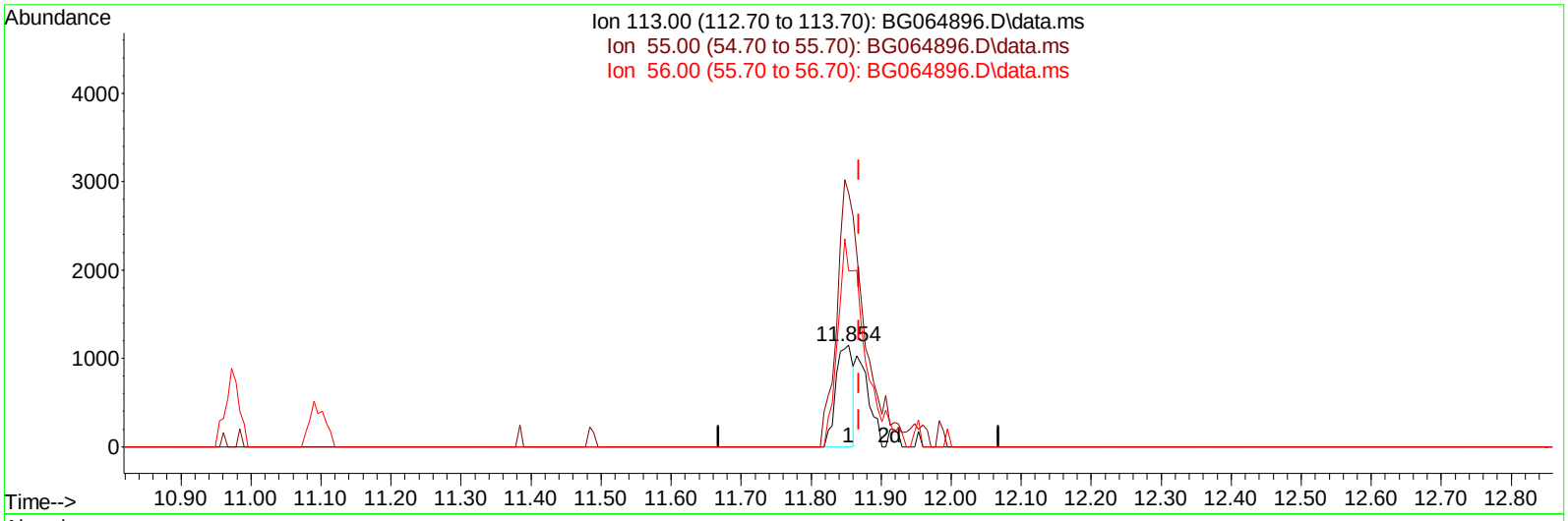
Quantitation Report (Qedit)

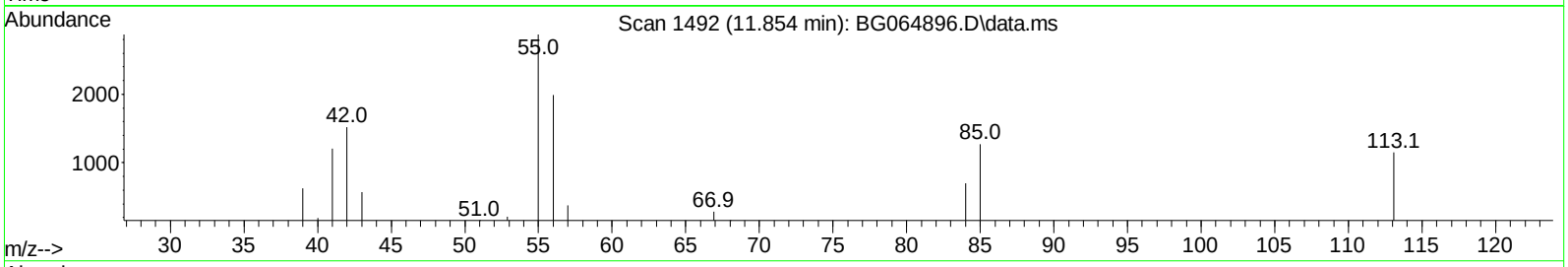
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Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

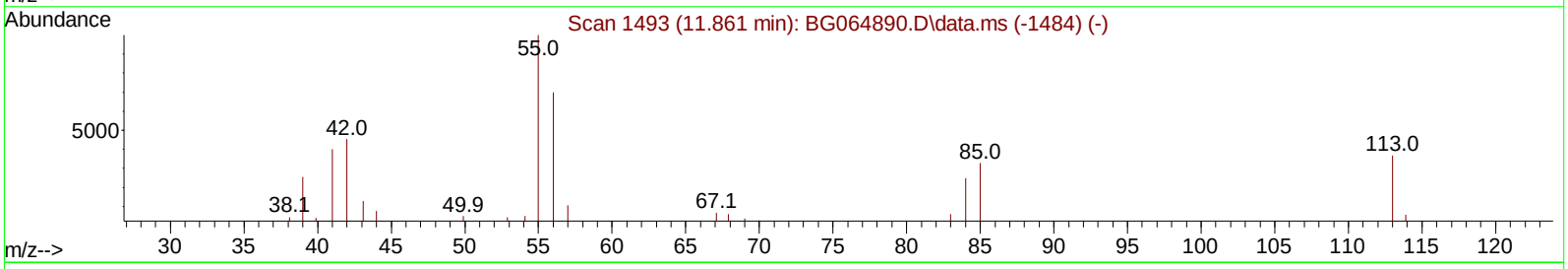
Quant Time: Dec 01 11:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
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TIC: BG064896.D\data.ms

(34) Caprolactam

11.854min (-0.014) 4.18 ng/ul

response 1938

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	250.35
56.00	159.40	173.34
0.00	0.00	0.00

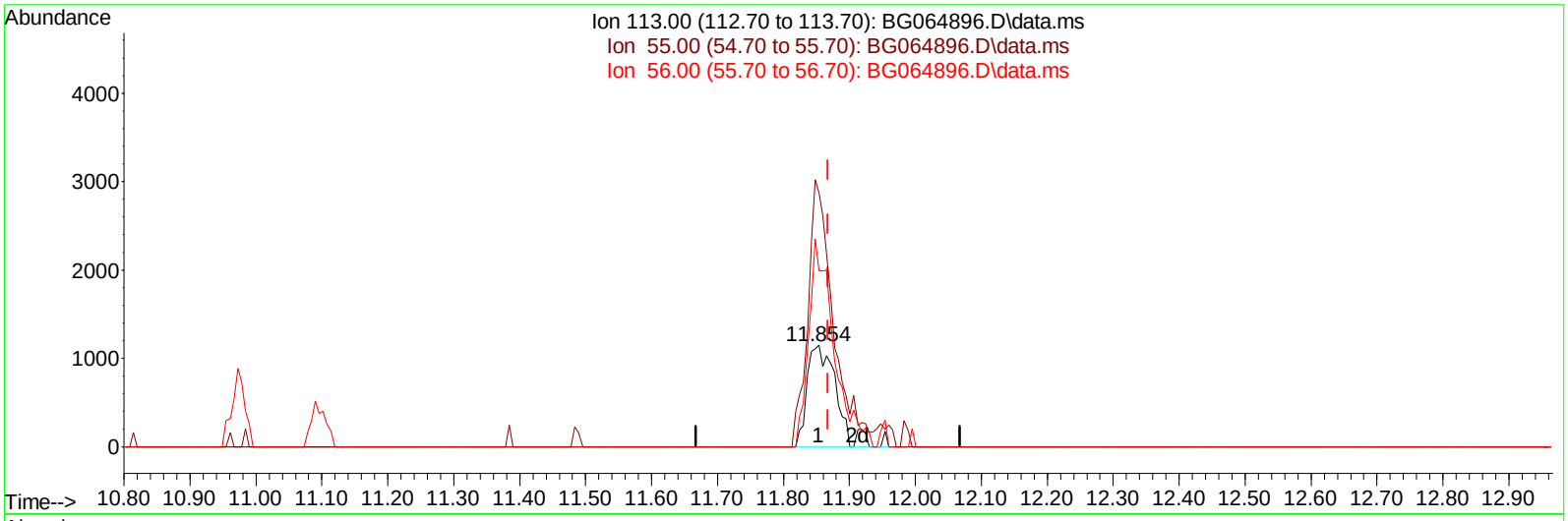
Quantitation Report (Qedit)

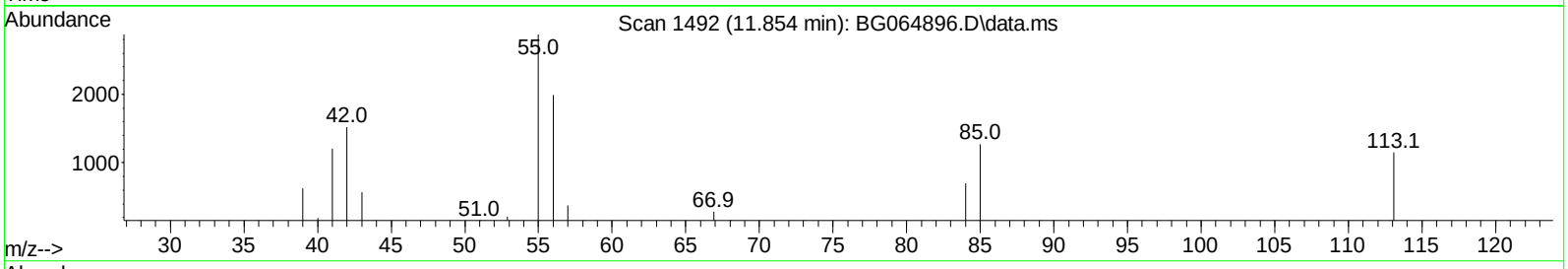
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Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

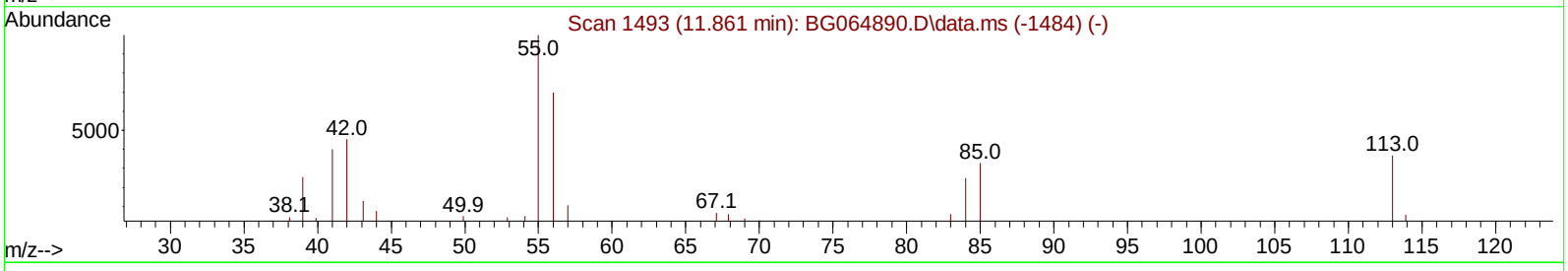
Quant Time: Dec 01 11:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064896.D\data.ms

(34) Caprolactam

11.854min (-0.014) 7.74 ng/ul m

response 3583

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	250.35
56.00	159.40	173.34
0.00	0.00	0.00

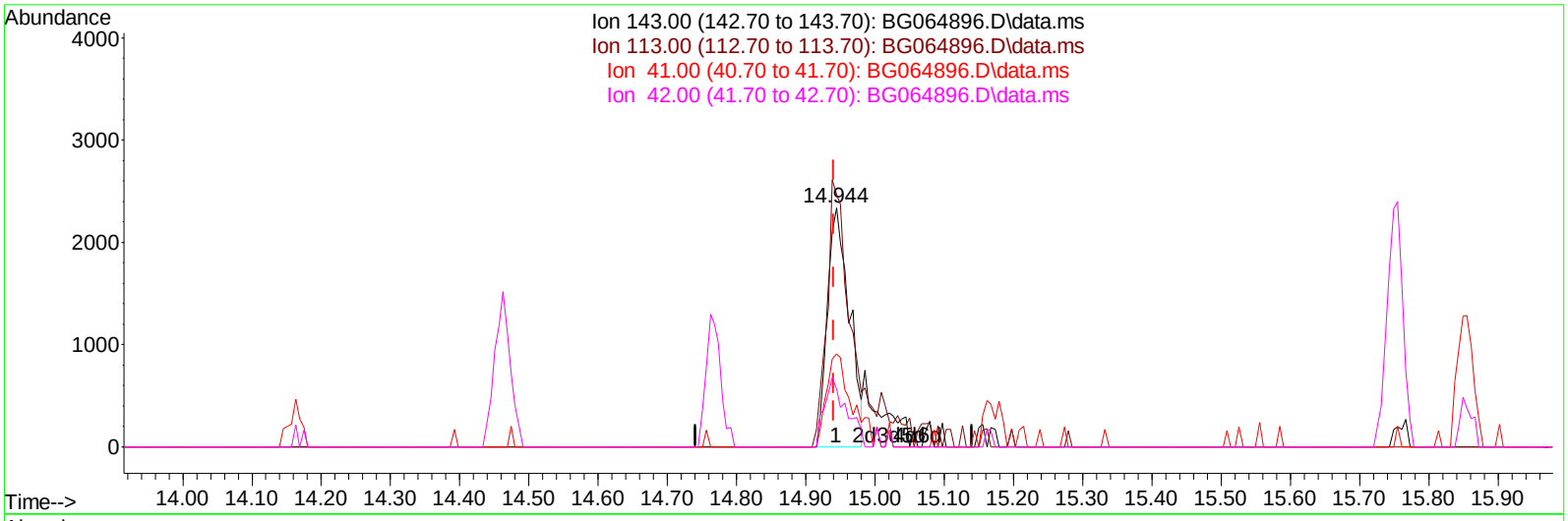
Quantitation Report (Qedit)

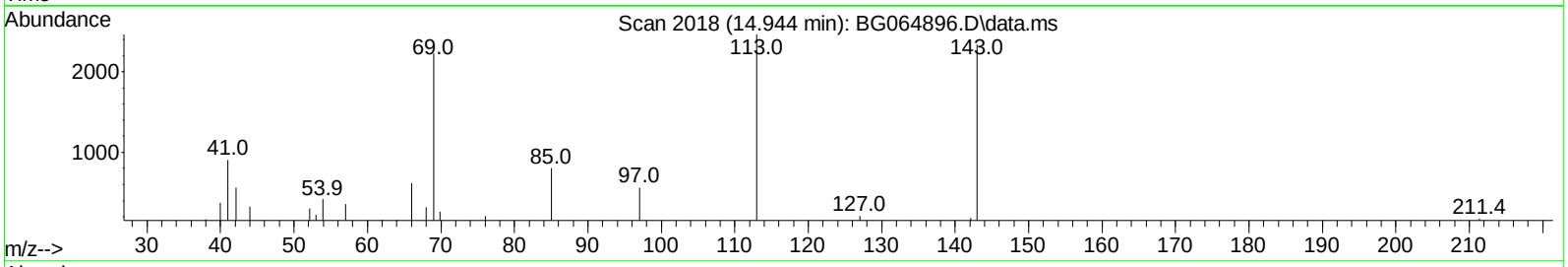
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Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

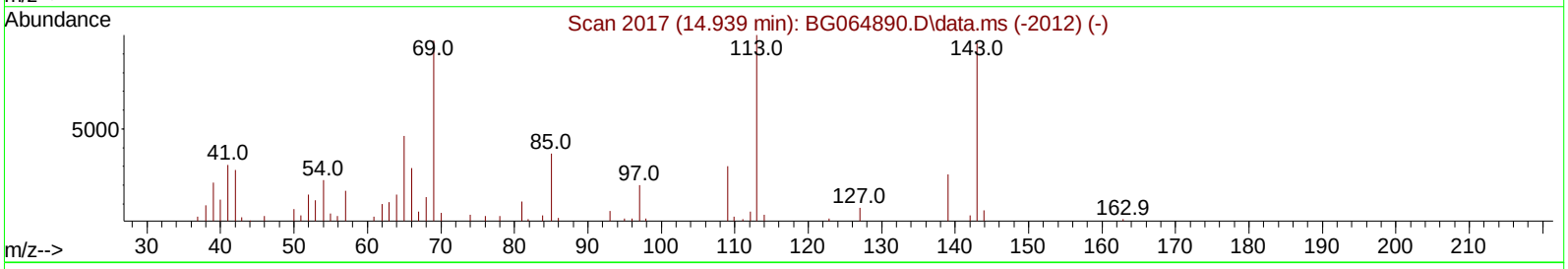
Quant Time: Dec 01 11:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064896.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.944min (+ 0.003) 6.01 ng/ul

response 5134

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	105.34
41.00	40.40	38.72
42.00	23.60	24.02

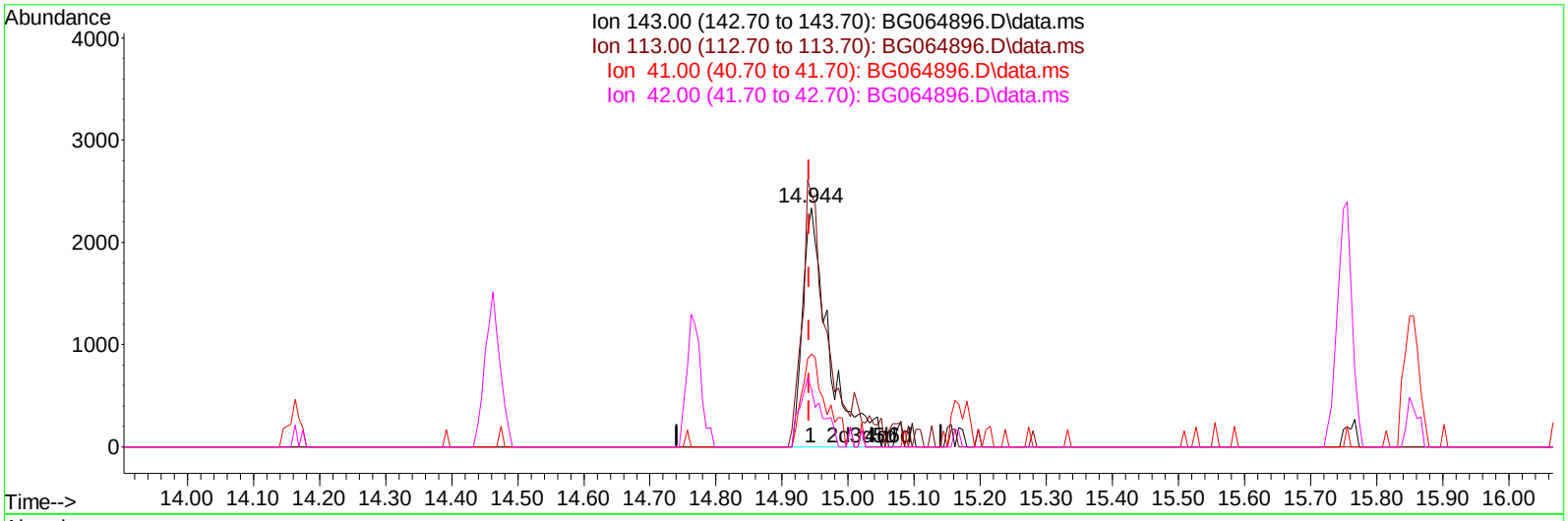
Quantitation Report (Qedit)

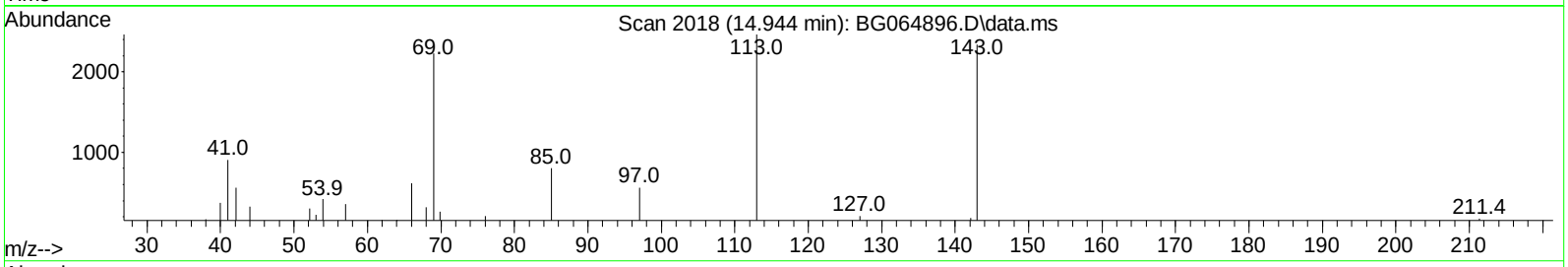
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

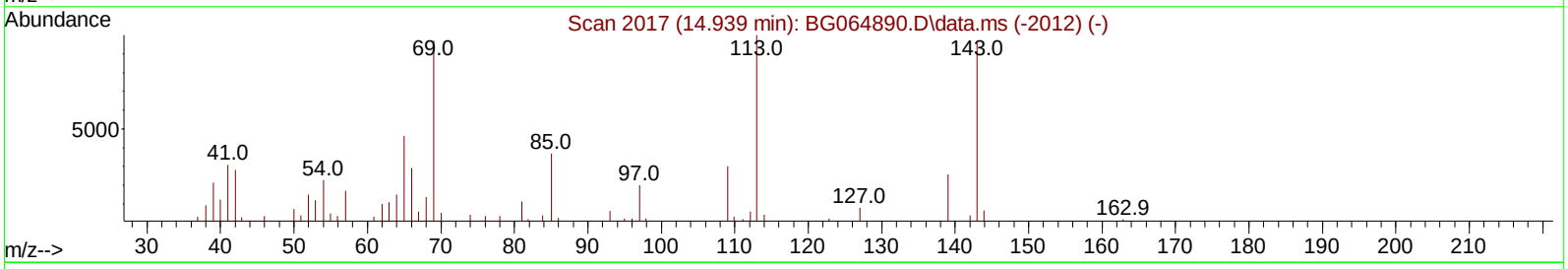
Quant Time: Dec 01 11:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064896.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.944min (+ 0.003) 7.67 ng/ul m

response 6552

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	105.34
41.00	40.40	38.72
42.00	23.60	24.02

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064896.D
Acq On : 26 Nov 2025 19:47
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:42:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	20387	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	76932	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	71621	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	191952	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	264380	20.000	ng/ul	# 0.00
88) Perylene-d12	24.997	264	297217	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	4109	7.989	ng/uL	0.00
4) Pyridine-d5	3.910	84	12488	8.812	ng/ul	0.00
7) Phenol-d5	7.300	99	13012	7.917	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	27606	26.264	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	33389	26.799	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	23999	16.943	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	20968	36.136	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	25510	37.013	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	46305	32.586	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	52279	28.783	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	206590	36.670	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	211622	35.075	ng/ul	0.00
54) 4-Nitrophenol-d4	14.944	143	6552m	7.671	ng/ul	0.00
60) Fluorene-d10	15.749	176	192651	38.091	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	37451	30.474	ng/ul	0.00
73) Anthracene-d10	17.594	188	381909	39.375	ng/ul	0.00
81) Pyrene-d10	19.862	212	523230	38.529	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	616452	39.312	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.854	113	3583m	7.737	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-28S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-23
Sample wt/vol : 960 (g/mL) mL
Lab File ID : BG064899.D
% Solids :
Date Received : 11/24/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.2	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.2	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-28S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-23
Sample wt/vol : 960 (g/mL) mL
Lab File ID : BG064899.D
% Solids :
Date Received : 11/24/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	123-91-1	1,4-Dioxane	3.523	16	JN
2	105-60-2	Caprolactam	11.854	11	JN
3	E966796	Total Alkanes	N/A	0.0	

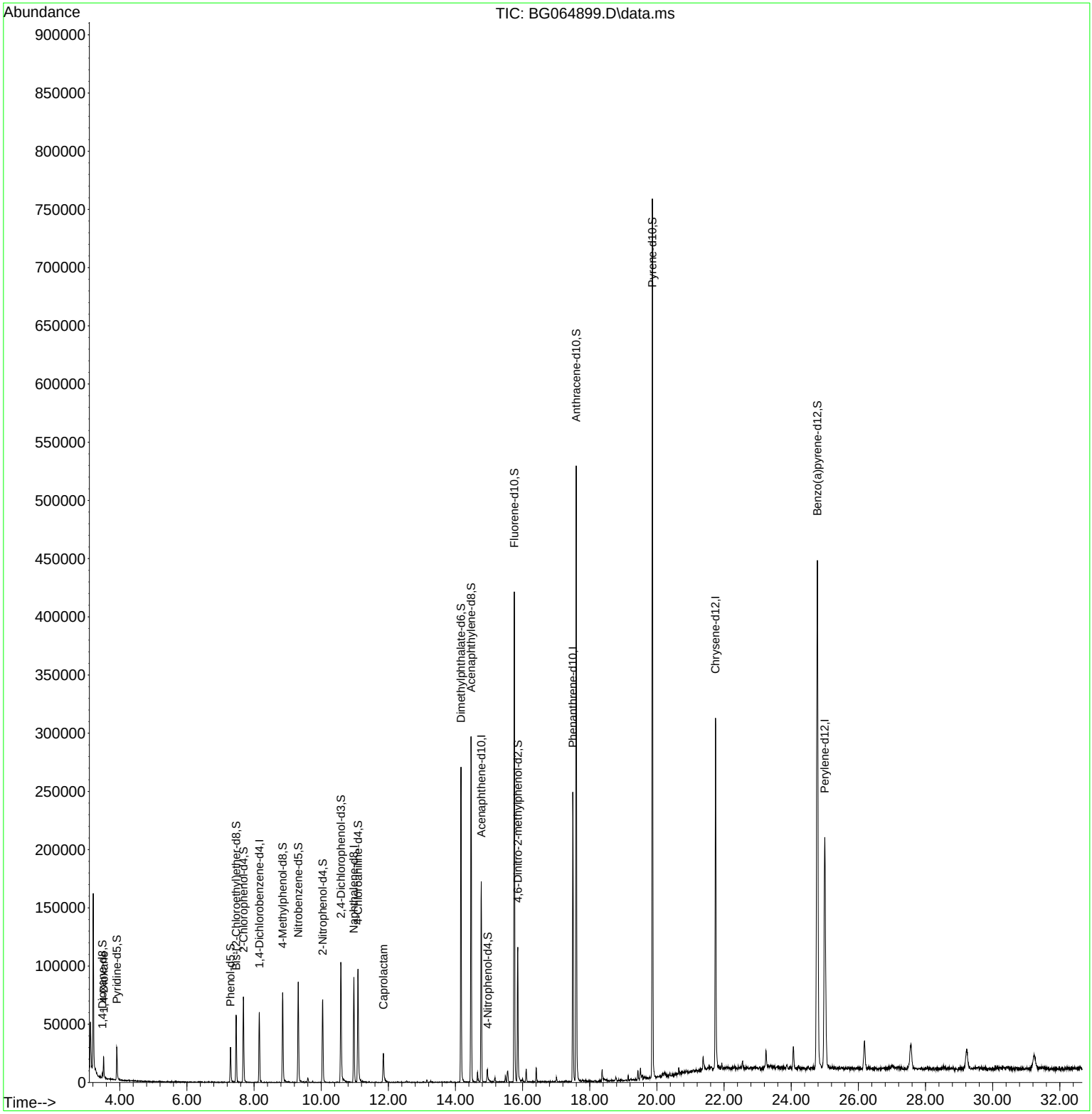
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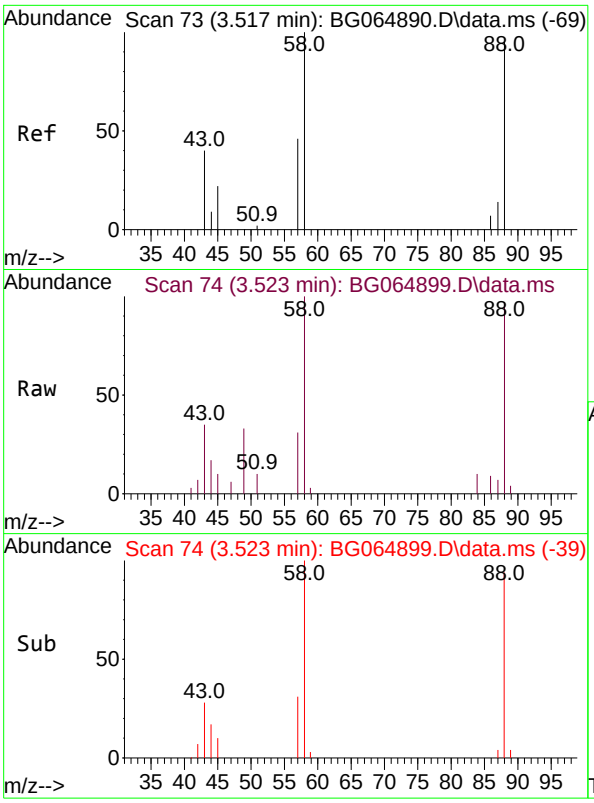
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Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 01 11:49:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

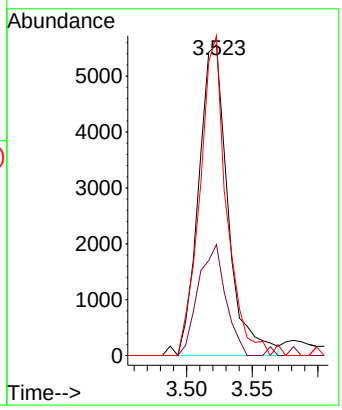


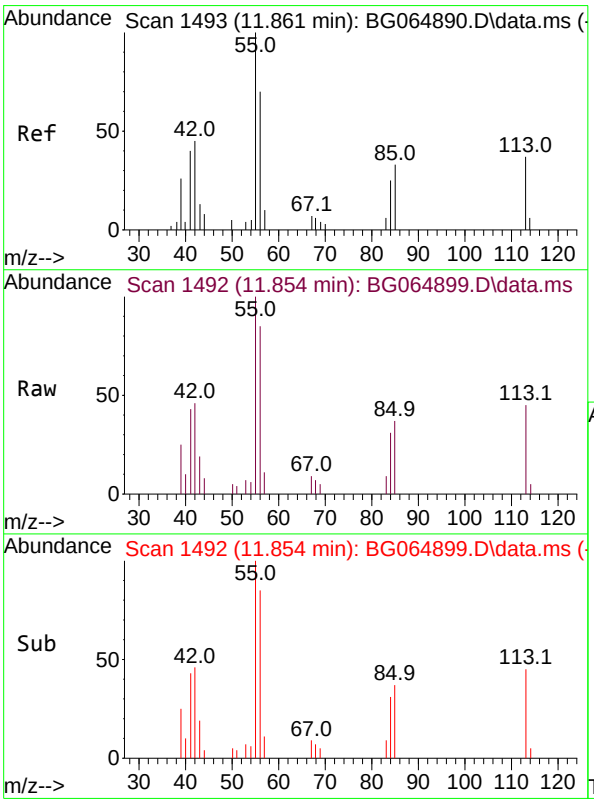


#2
1,4-Dioxane
Concen: 15.335 ng/uL
RT: 3.523 min Scan# 74
Delta R.T. 0.004 min
Lab File: BG064899.D
Acq: 26 Nov 2025 21:50

Tgt Ion: 88 Resp: 8630

Ion	Ratio	Lower	Upper
88	100		
43	35.8	29.6	44.4
58	102.9	87.8	131.6

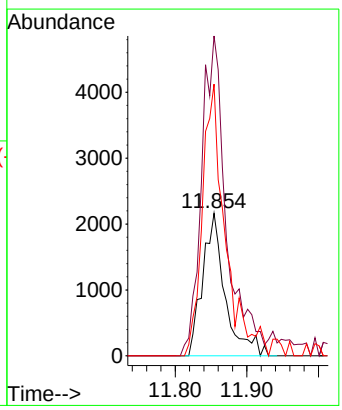




#34
Caprolactam
Concen: 10.424 ng/ul m
RT: 11.854 min Scan# 1492
Delta R.T. -0.014 min
Lab File: BG064899.D
Acq: 26 Nov 2025 21:50

Tgt Ion:113 Resp: 4727

Ion	Ratio	Lower	Upper
113	100		
55	224.4	187.9	281.9
56	190.6	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 01 11:49:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	19283	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	75334	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	67079	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	175714	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	224243	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	248450	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	2010	4.132	ng/uL	0.00
4) Pyridine-d5	3.916	84	13344	9.955	ng/ul	0.00
7) Phenol-d5	7.295	99	17569	11.302	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	29325	29.497	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	35492	30.118	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	30260	22.586	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	20350	35.815	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	23910	35.428	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	45065	32.387	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	57648	32.412	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	206032	39.047	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	216314	38.280	ng/ul	0.00
54) 4-Nitrophenol-d4	14.956	143	4818m	6.023	ng/ul	0.02
60) Fluorene-d10	15.749	176	189352	39.973	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	35486	31.544	ng/ul	0.00
73) Anthracene-d10	17.594	188	371201	41.808	ng/ul	0.00
81) Pyrene-d10	19.862	212	492282	42.739	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	567411	43.287	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.523	88	8630	15.335	ng/uL	95
34) Caprolactam	11.854	113	4727m	10.424	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064899.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.129	3	7	13	rVV	38571	64445	5.22%	0.699%
2	3.211	16	21	31	rVB	151180	209456	16.95%	2.271%
3	3.482	64	67	70	rBV4	4114	5382	0.44%	0.058%
4	3.517	70	73	81	rVB	18031	25464	2.06%	0.276%
5	3.910	135	140	152	rVB	28222	47177	3.82%	0.511%
6	7.301	711	717	724	rBV2	30119	52276	4.23%	0.567%
7	7.465	738	745	752	rBV	58100	101098	8.18%	1.096%
8	7.682	776	782	790	rBV	73213	128118	10.37%	1.389%
9	8.158	857	863	869	rBV	60217	106174	8.59%	1.151%
10	8.852	974	981	990	rBV	77275	145714	11.79%	1.580%
11	9.316	1053	1060	1070	rBV	86385	160028	12.95%	1.735%
12	9.598	1105	1108	1115	rBV	3812	6515	0.53%	0.071%
13	10.044	1177	1184	1193	rBV	71293	134258	10.87%	1.456%
14	10.585	1269	1276	1289	rBV	103339	205252	16.61%	2.225%
15	10.973	1335	1342	1352	rBV	90380	160879	13.02%	1.744%
16	11.096	1356	1363	1376	rBV	97113	196094	15.87%	2.126%
17	11.854	1482	1492	1500	rBV2	25092	55184	4.47%	0.598%
18	12.541	1603	1609	1614	rVB	1315	2120	0.17%	0.023%
19	13.147	1707	1712	1717	rBV3	2202	3501	0.28%	0.038%
20	14.163	1879	1885	1899	rBV	270880	421072	34.08%	4.565%
21	14.463	1929	1936	1945	rBV2	296948	475175	38.46%	5.152%
22	14.657	1962	1969	1979	rBV2	8925	16555	1.34%	0.179%
23	14.768	1981	1988	1999	rVB	172196	274194	22.19%	2.973%
24	14.950	2012	2019	2026	rBV4	11050	23600	1.91%	0.256%
25	15.180	2049	2058	2063	rVB5	3942	7802	0.63%	0.085%
26	15.485	2106	2110	2116	rBV2	5565	7923	0.64%	0.086%
27	15.556	2116	2122	2127	rBV4	9269	19423	1.57%	0.211%
28	15.749	2149	2155	2167	rBV	421350	667910	54.06%	7.241%
29	15.855	2167	2173	2187	rVV	115799	191818	15.52%	2.080%
30	15.973	2189	2193	2194	rVV2	1531	1972	0.16%	0.021%
31	15.990	2194	2196	2201	rVB3	2178	2446	0.20%	0.027%
32	16.108	2211	2216	2223	rBB	11055	17079	1.38%	0.185%
33	16.402	2259	2266	2271	rBV3	12248	18096	1.46%	0.196%
34	17.007	2362	2369	2374	rVB2	3969	5313	0.43%	0.058%
35	17.495	2445	2452	2462	rBV	248692	387327	31.35%	4.199%
36	17.594	2462	2469	2481	rVV2	528165	846409	68.50%	9.177%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	18.370	2596	2601	2606	rBV3	10510	18904	1.53%	0.205%
38	18.423	2609	2610	2617	rVB3	1592	2872	0.23%	0.031%
39	18.775	2665	2670	2676	rVB5	3606	7177	0.58%	0.078%
40	19.146	2728	2733	2736	rBV3	5071	6980	0.56%	0.076%
41	19.228	2742	2747	2749	rVV4	1666	2490	0.20%	0.027%
42	19.433	2778	2782	2789	rVB6	8263	13896	1.12%	0.151%
43	19.510	2789	2795	2800	rBV4	10698	20669	1.67%	0.224%
44	19.557	2800	2803	2808	rVB4	3739	6933	0.56%	0.075%
45	19.633	2812	2816	2820	rVV4	1961	2968	0.24%	0.032%
46	19.774	2836	2840	2842	rBV4	1728	2370	0.19%	0.026%
47	19.862	2849	2855	2867	rBV	754748	1128672	91.35%	12.237%
48	20.209	2912	2914	2916	rBV3	1936	2576	0.21%	0.028%
49	20.262	2921	2923	2926	rVB3	2056	2082	0.17%	0.023%
50	20.379	2941	2943	2947	rVB5	2478	2812	0.23%	0.030%
51	20.514	2964	2966	2967	rBV2	2443	2271	0.18%	0.025%
52	20.573	2974	2976	2979	rVB2	1869	2201	0.18%	0.024%
53	20.597	2979	2980	2983	rBV3	2179	2429	0.20%	0.026%
54	20.650	2986	2989	2993	rVB5	5764	6535	0.53%	0.071%
55	20.732	3000	3003	3004	rBV3	3177	2764	0.22%	0.030%
56	20.755	3004	3007	3008	rBV3	2327	2006	0.16%	0.022%
57	20.867	3024	3026	3031	rVV6	2404	3122	0.25%	0.034%
58	21.308	3100	3101	3103	rBV2	3029	2466	0.20%	0.027%
59	21.378	3108	3113	3120	rVV10	11061	23325	1.89%	0.253%
60	21.742	3169	3175	3188	rVB	300183	525024	42.49%	5.692%
61	21.930	3205	3207	3212	rVB5	5545	7017	0.57%	0.076%
62	22.553	3307	3313	3319	rVB8	6737	12896	1.04%	0.140%
63	23.100	3404	3406	3407	rBV2	2479	2258	0.18%	0.024%
64	23.247	3427	3431	3441	rVB6	14839	28727	2.32%	0.311%
65	23.652	3498	3500	3505	rVB6	2974	4795	0.39%	0.052%
66	23.864	3532	3536	3537	rBV4	3454	4882	0.40%	0.053%
67	24.063	3565	3570	3577	rVB2	18589	37648	3.05%	0.408%
68	24.222	3594	3597	3601	rVB5	3391	3639	0.29%	0.039%
69	24.627	3664	3666	3669	rBV4	2200	2608	0.21%	0.028%
70	24.657	3669	3671	3674	rVB4	3777	2716	0.22%	0.029%
71	24.780	3680	3692	3712	rVB	435694	1235608	100.00%	13.396%
72	24.997	3716	3729	3743	rBV	197931	635598	51.44%	6.891%
73	25.309	3780	3782	3786	rVB5	2730	2266	0.18%	0.025%
74	25.432	3801	3803	3807	rVB4	3057	2009	0.16%	0.022%
75	25.885	3877	3880	3884	rBV5	2395	3567	0.29%	0.039%
76	26.184	3921	3931	3943	rVB5	25451	80731	6.53%	0.875%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	26.460	3976	3978	3980	rBV3	2080	2408	0.19%	0.026%
78	26.989	4064	4068	4069	rBV3	3023	3645	0.29%	0.040%
79	27.160	4094	4097	4098	rBV3	2422	2340	0.19%	0.025%
80	27.195	4101	4103	4106	rBV3	2298	2613	0.21%	0.028%
81	27.565	4153	4166	4176	rVB6	21304	85239	6.90%	0.924%
82	28.341	4296	4298	4301	rBV3	2750	2422	0.20%	0.026%
83	28.705	4358	4360	4363	rBV4	2788	2752	0.22%	0.030%
84	28.881	4389	4390	4393	rBV3	1915	2090	0.17%	0.023%
85	28.981	4405	4407	4410	rBV3	3056	3131	0.25%	0.034%
86	29.216	4439	4447	4448	rBV5	13025	26890	2.18%	0.292%
87	29.733	4532	4535	4536	rBV3	2460	2869	0.23%	0.031%
88	29.774	4540	4542	4543	rVV2	3124	2144	0.17%	0.023%
89	29.792	4543	4545	4547	rVV3	3327	2695	0.22%	0.029%
90	30.139	4602	4604	4607	rBV3	3081	2299	0.19%	0.025%
91	30.209	4614	4616	4619	rBV3	2005	2707	0.22%	0.029%
92	30.603	4681	4683	4686	rBV4	1912	2235	0.18%	0.024%
93	30.808	4716	4718	4720	rBV3	2093	1946	0.16%	0.021%
94	30.867	4727	4728	4731	rBV3	3102	3572	0.29%	0.039%
95	31.114	4769	4770	4774	rBV3	2750	2597	0.21%	0.028%
96	31.161	4776	4778	4780	rBV2	2134	2113	0.17%	0.023%
97	31.672	4862	4865	4867	rVB4	2899	3107	0.25%	0.034%
98	31.907	4902	4905	4906	rVV3	2681	2755	0.22%	0.030%
99	32.148	4944	4946	4949	rBV3	2452	2946	0.24%	0.032%
100	32.559	5014	5016	5018	rBV3	2533	2184	0.18%	0.024%

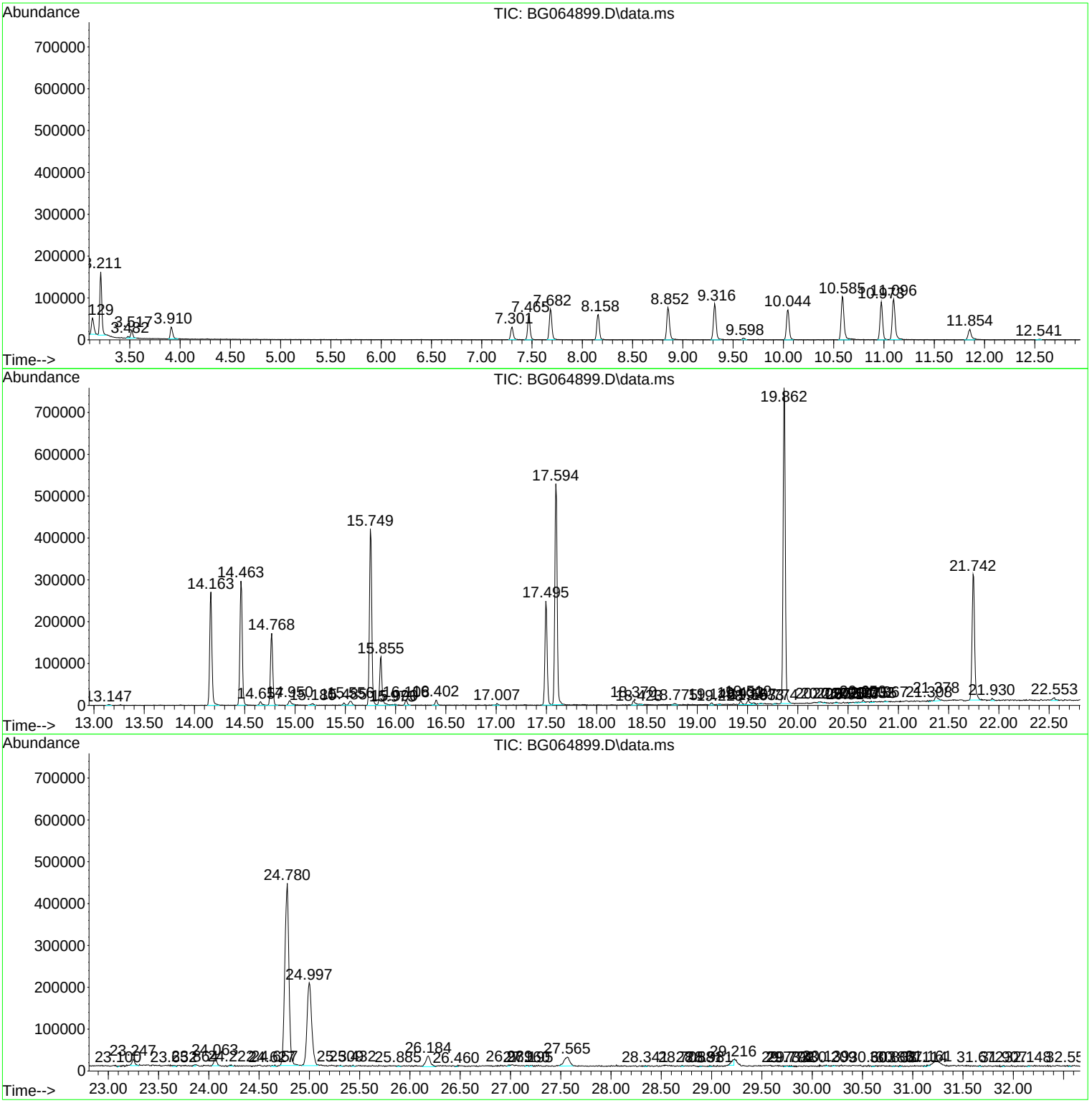
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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-28S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-28S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-28S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

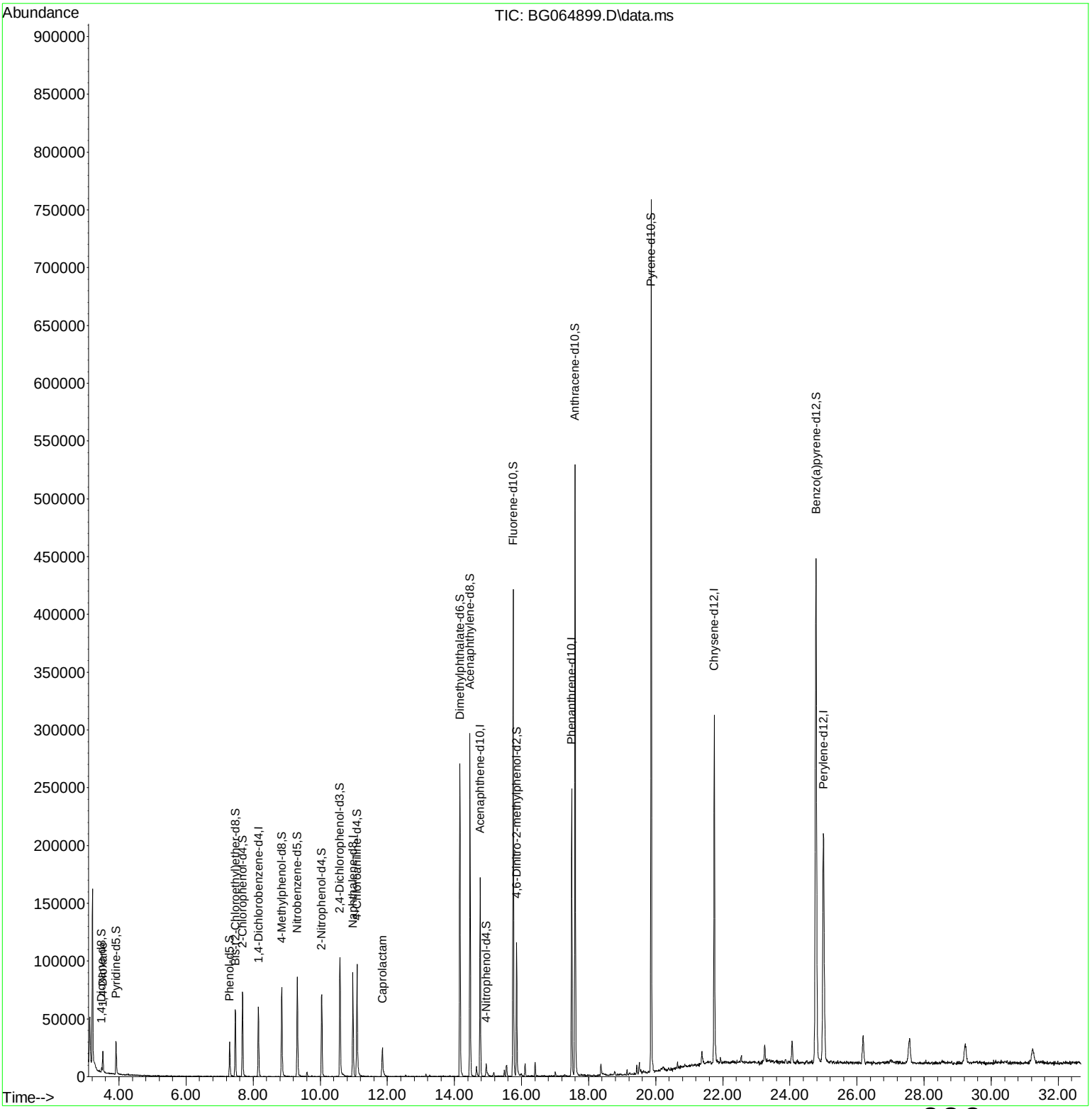
					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 01 11:49:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



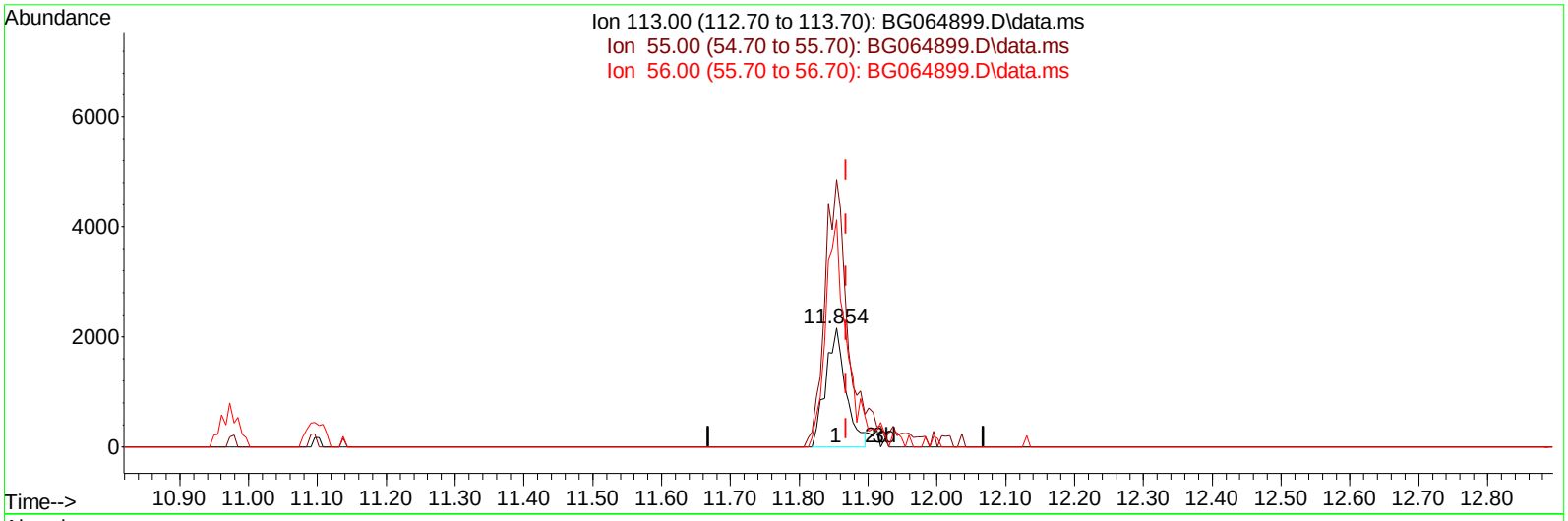
Quantitation Report (Qedit)

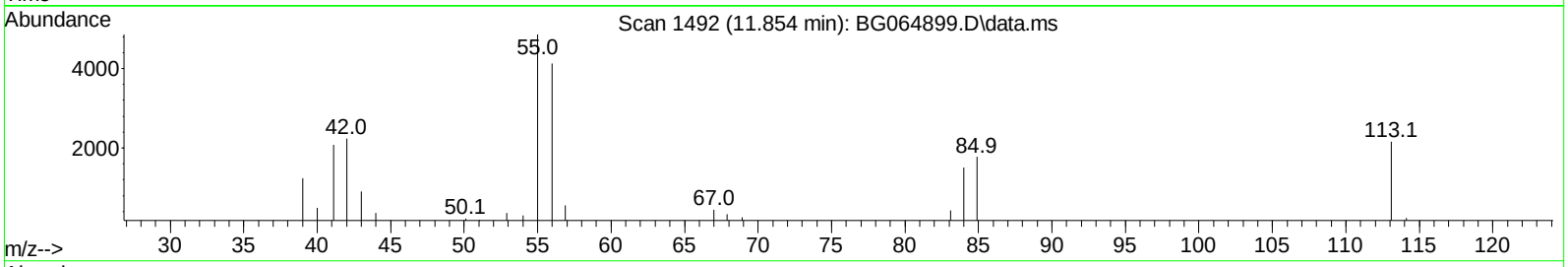
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

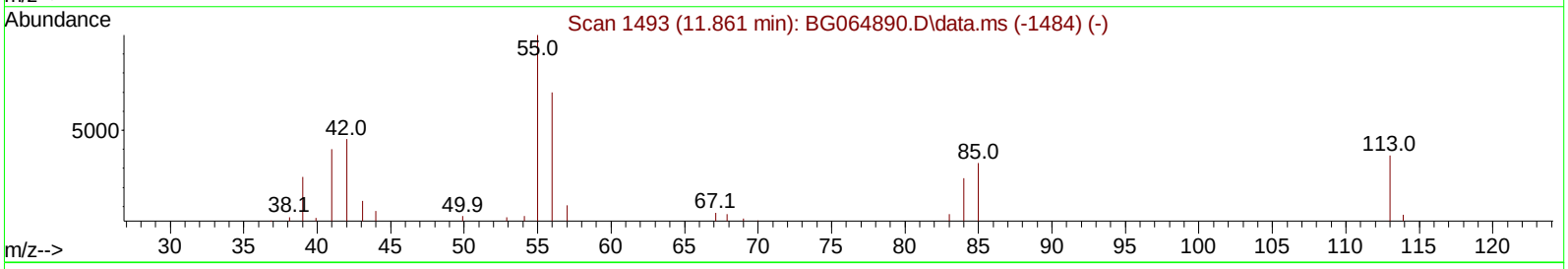
Quant Time: Dec 01 11:48:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064899.D\data.ms

(34) Caprolactam

11.854min (-0.014) 9.72 ng/ul

response 4408

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	224.40
56.00	159.40	190.57
0.00	0.00	0.00

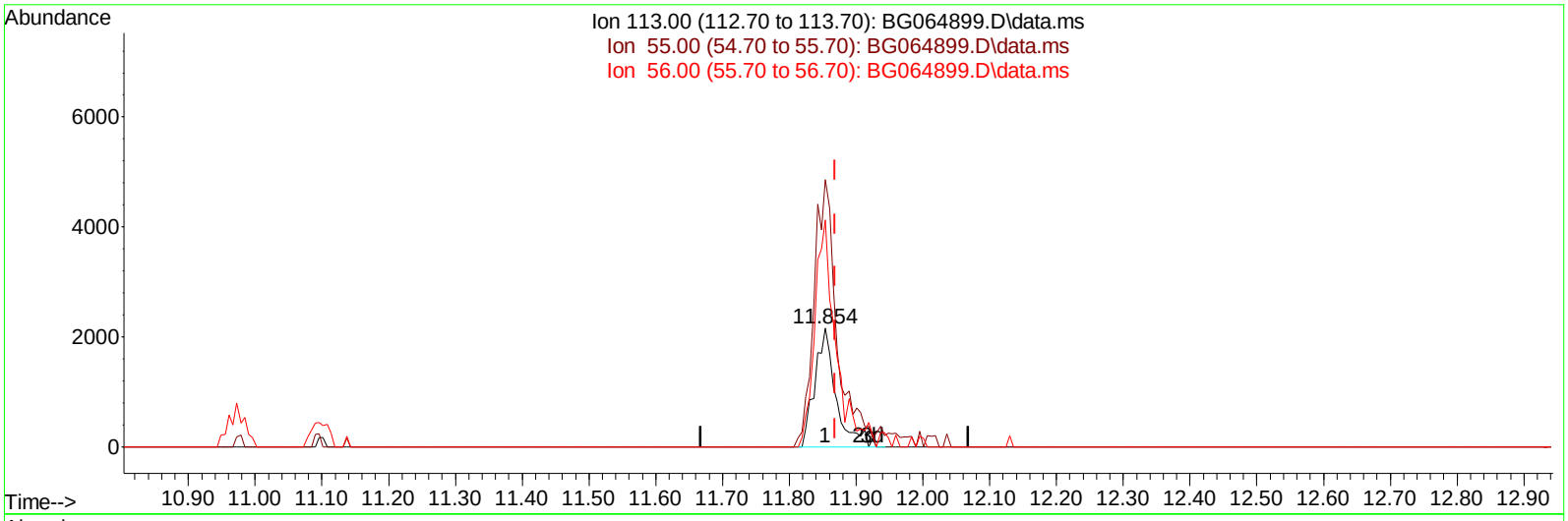
Quantitation Report (Qedit)

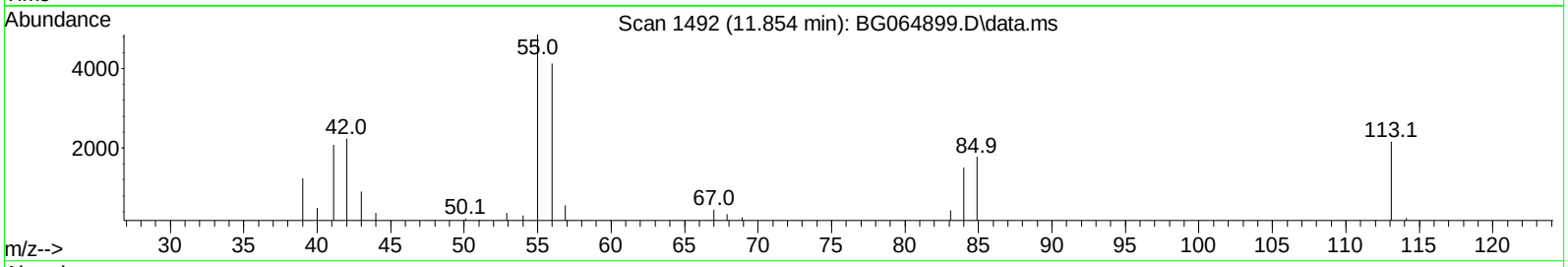
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

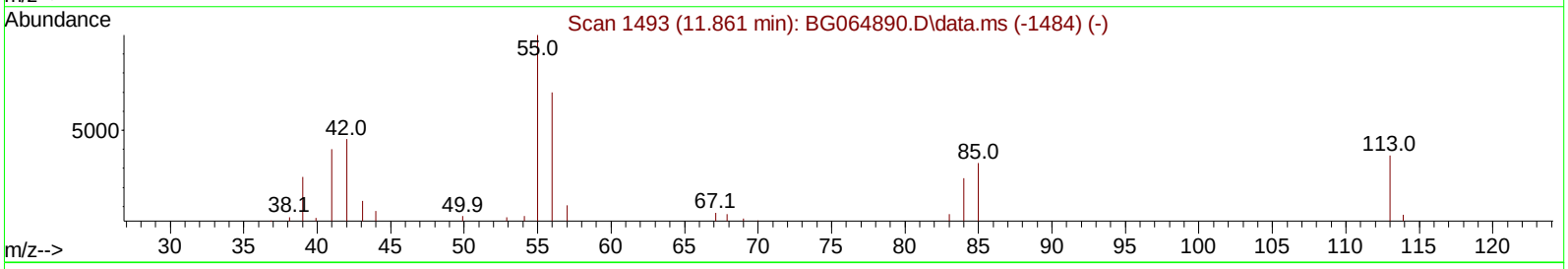
Quant Time: Dec 01 11:48:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064899.D\data.ms

(34) Caprolactam

11.854min (-0.014) 10.42 ng/ul m

response 4727

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	224.40
56.00	159.40	190.57
0.00	0.00	0.00

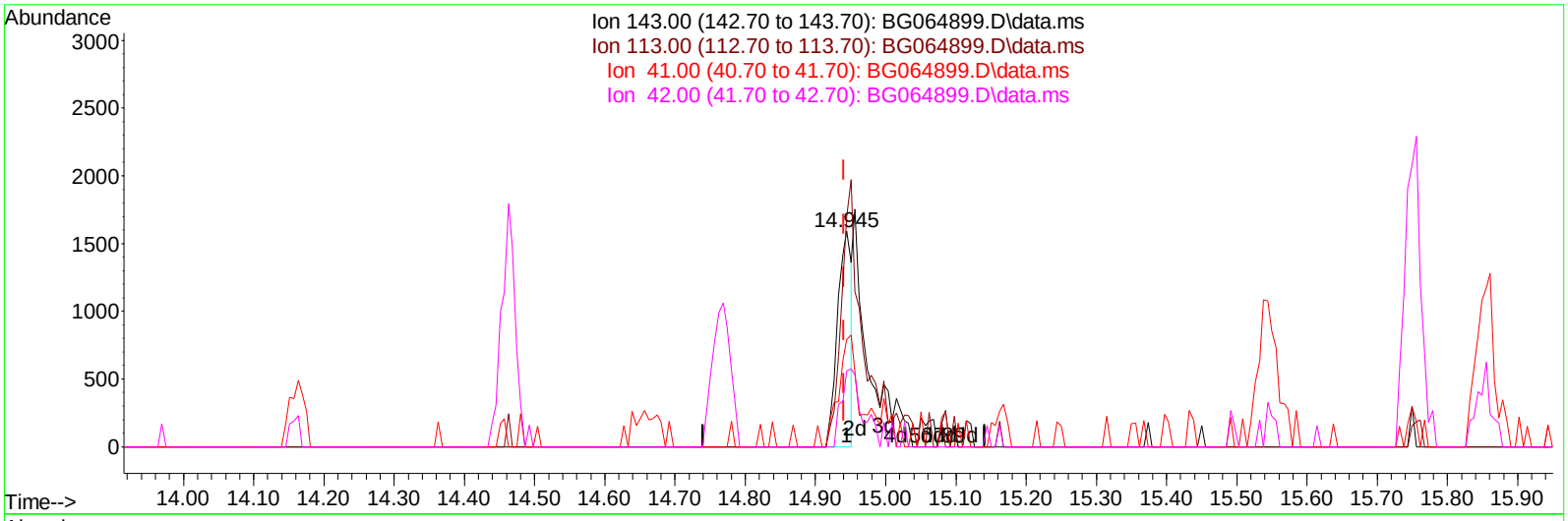
Quantitation Report (Qedit)

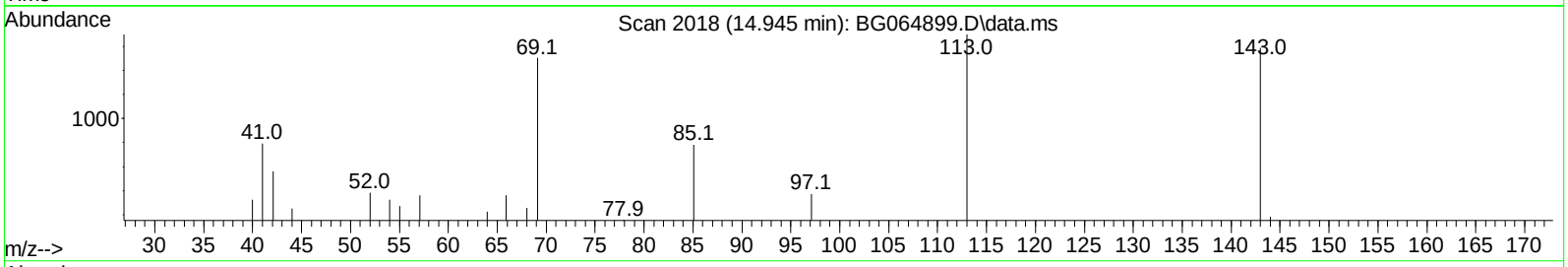
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

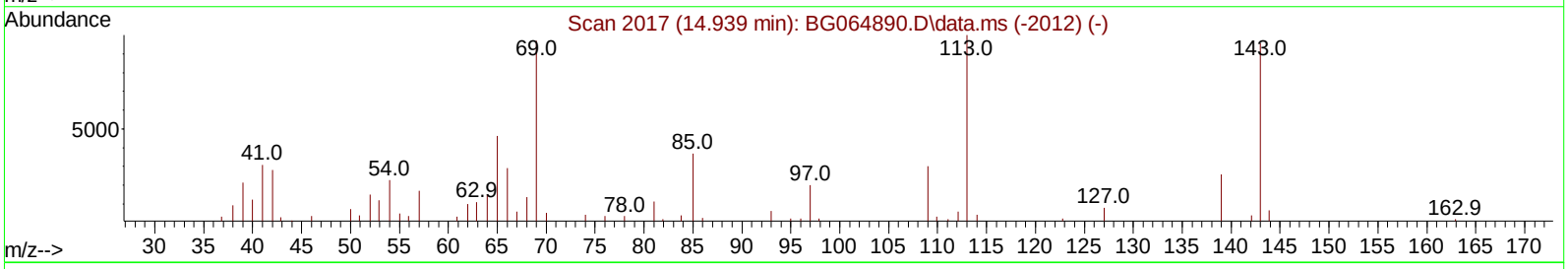
Quant Time: Dec 01 11:48:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064899.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.945min (+ 0.004) 2.74 ng/ul

response 2188

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	106.79
41.00	40.40	49.81#
42.00	23.60	35.35#

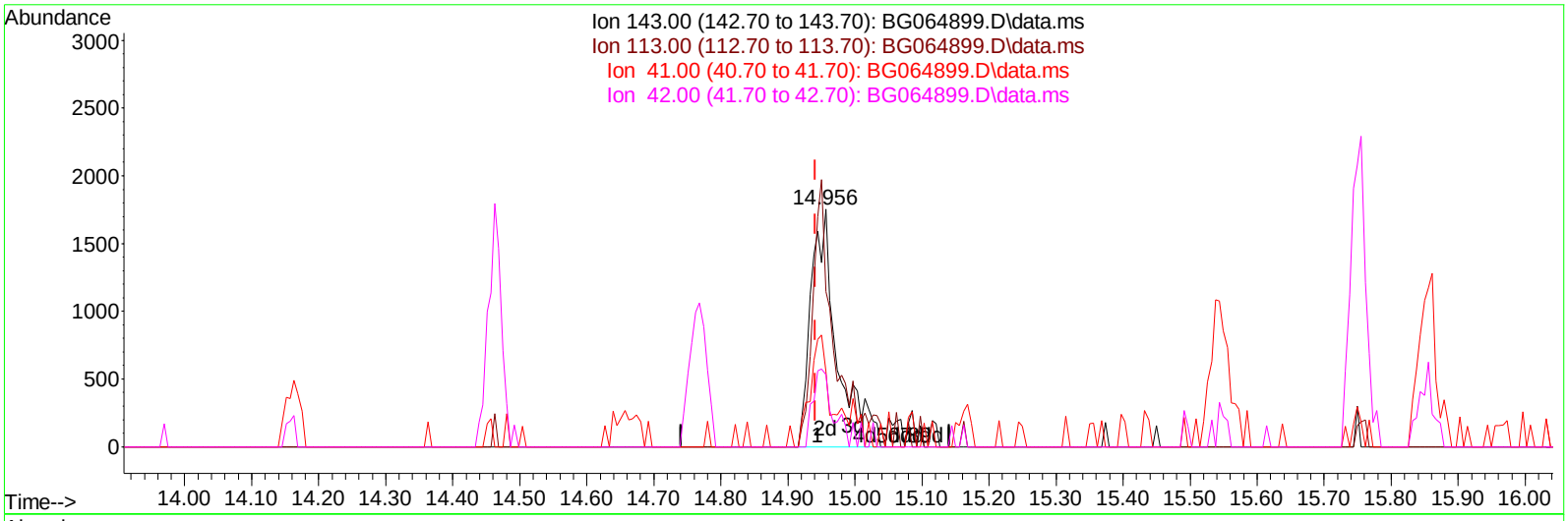
Quantitation Report (Qedit)

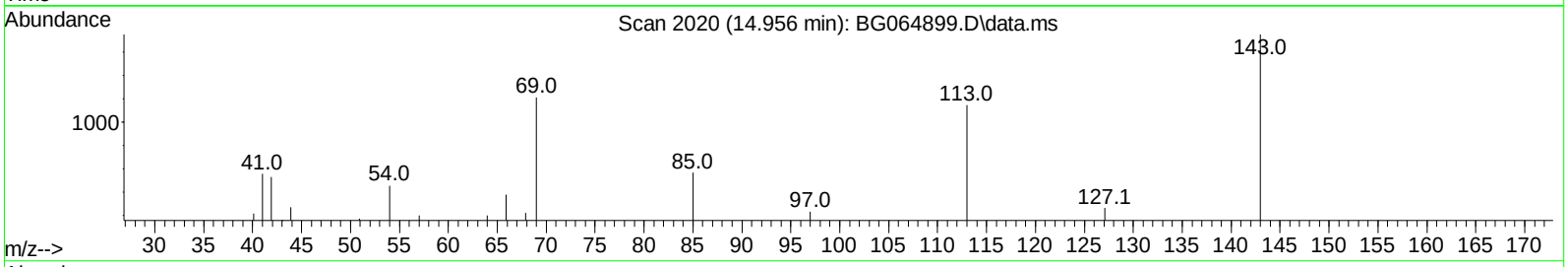
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

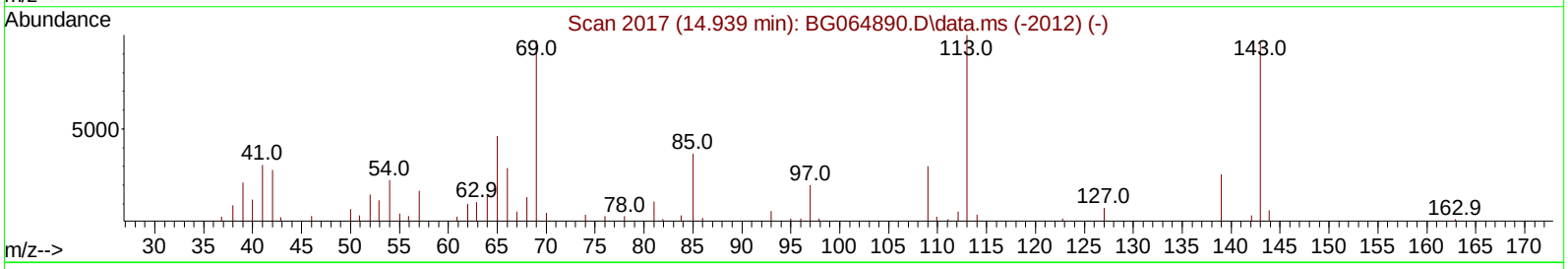
Quant Time: Dec 01 11:48:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064899.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.956min (+ 0.015) 6.02 ng/ul m

response 4818

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	65.41#
41.00	40.40	31.74#
42.00	23.60	30.42#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064899.D
Acq On : 26 Nov 2025 21:50
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 01 11:49:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	19283	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	75334	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	67079	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	175714	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	224243	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	248450	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	2010	4.132	ng/uL	0.00
4) Pyridine-d5	3.916	84	13344	9.955	ng/ul	0.00
7) Phenol-d5	7.295	99	17569	11.302	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	29325	29.497	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	35492	30.118	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	30260	22.586	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	20350	35.815	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	23910	35.428	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	45065	32.387	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	57648	32.412	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	206032	39.047	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	216314	38.280	ng/ul	0.00
54) 4-Nitrophenol-d4	14.956	143	4818m	6.023	ng/ul	0.02
60) Fluorene-d10	15.749	176	189352	39.973	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	35486	31.544	ng/ul	0.00
73) Anthracene-d10	17.594	188	371201	41.808	ng/ul	0.00
81) Pyrene-d10	19.862	212	492282	42.739	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	567411	43.287	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.523	88	8630	15.335	ng/uL	95
34) Caprolactam	11.854	113	4727m	10.424	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-29

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-17
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064889.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-29

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-17
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064889.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

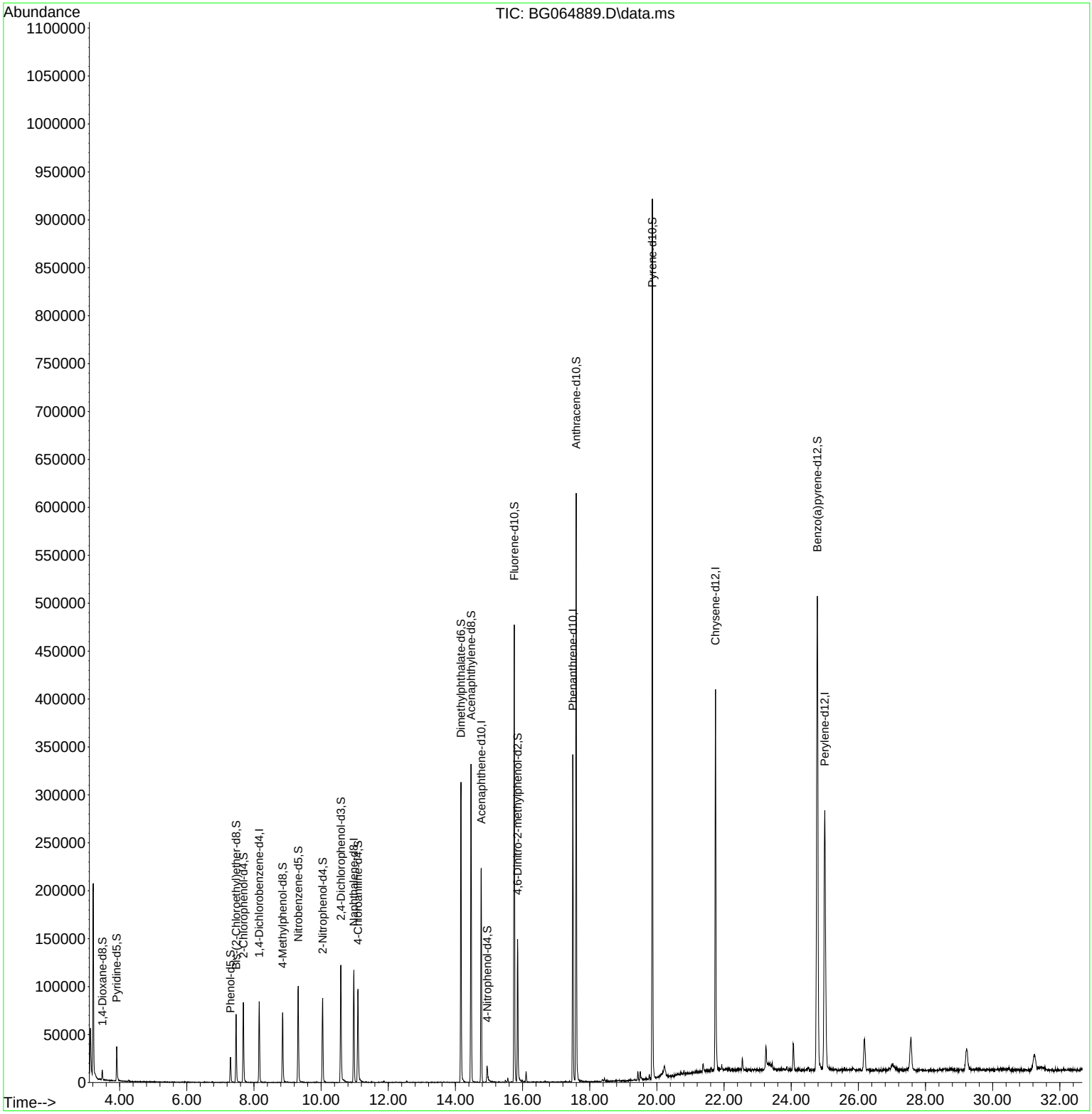
EPA-designated Registry Number.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 01 11:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-29

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-29

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	25790	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	98988	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	90021	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	233894	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	301851	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	335347	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	4922	7.565	ng/uL	0.00
4) Pyridine-d5	3.913	84	16537	9.224	ng/ul	0.00
7) Phenol-d5	7.303	99	15680	7.542	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	34036	25.598	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	40424	25.648	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	30582	17.067	ng/ul	0.00
21) Nitrobenzene-d5	9.319	128	24737	33.132	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	29384	33.135	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	54883	30.017	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	55763	23.860	ng/ul	0.00
46) Dimethylphthalate-d6	14.166	166	239470	33.818	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	241291	31.818	ng/ul	0.00
54) 4-Nitrophenol-d4	14.947	143	7731m	7.201	ng/ul	0.00
60) Fluorene-d10	15.752	176	221486	34.841	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	46492	31.047	ng/ul	0.00
73) Anthracene-d10	17.597	188	415071	35.120	ng/ul	0.00
81) Pyrene-d10	19.865	212	562253	36.263	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	650158	36.747	ng/ul	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064889.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	3	7	16	rVB	48185	88089	6.22%	0.798%
2	3.214	16	21	37	rVB	202495	316027	22.31%	2.865%
3	3.484	61	67	74	rVB2	10543	17624	1.24%	0.160%
4	3.913	135	140	149	rBV	35535	57039	4.03%	0.517%
5	4.266	195	200	205	rVB3	1612	2340	0.17%	0.021%
6	7.303	711	717	726	rBV	26422	48323	3.41%	0.438%
7	7.468	737	745	759	rBV	71294	120236	8.49%	1.090%
8	7.685	773	782	795	rBV	83425	150895	10.65%	1.368%
9	8.155	855	862	872	rBV	84483	148522	10.49%	1.346%
10	8.854	975	981	990	rBV2	72782	137583	9.71%	1.247%
11	9.319	1053	1060	1069	rBV	100514	186697	13.18%	1.692%
12	10.047	1176	1184	1193	rBV	88124	162489	11.47%	1.473%
13	10.588	1268	1276	1292	rBV	122550	241951	17.08%	2.193%
14	10.975	1335	1342	1352	rBV	117104	211463	14.93%	1.917%
15	11.099	1355	1363	1375	rBV	96573	194681	13.75%	1.765%
16	11.874	1490	1495	1502	rVB3	1495	2789	0.20%	0.025%
17	12.550	1605	1610	1619	rBV3	1627	3543	0.25%	0.032%
18	14.166	1878	1885	1893	rBV	313002	480097	33.90%	4.352%
19	14.465	1927	1936	1945	rBV	332250	532228	37.58%	4.824%
20	14.771	1981	1988	1997	rBV	223692	359433	25.38%	3.258%
21	14.941	2009	2017	2024	rBV2	16870	37877	2.67%	0.343%
22	15.488	2106	2110	2116	rBV2	2336	3914	0.28%	0.035%
23	15.558	2116	2122	2127	rVV3	3999	5482	0.39%	0.050%
24	15.752	2148	2155	2166	rBV	477111	763593	53.92%	6.922%
25	15.852	2166	2172	2182	rVV	148167	235332	16.62%	2.133%
26	15.917	2182	2183	2187	rVB3	2446	1856	0.13%	0.017%
27	16.105	2209	2215	2221	rVB2	11269	17163	1.21%	0.156%
28	16.669	2308	2311	2315	rVB2	1544	1938	0.14%	0.018%
29	17.397	2433	2435	2441	rVB2	1466	1651	0.12%	0.015%
30	17.497	2446	2452	2462	rBV	341683	517381	36.53%	4.690%
31	17.597	2462	2469	2481	rVV	612517	956342	67.53%	8.669%
32	17.767	2494	2498	2501	rVB3	1293	1661	0.12%	0.015%
33	18.373	2594	2601	2604	rBV4	2546	3984	0.28%	0.036%
34	18.437	2609	2612	2618	rVB2	3401	5041	0.36%	0.046%
35	19.225	2743	2746	2750	rBV4	1907	2199	0.16%	0.020%
36	19.436	2777	2782	2788	rVB5	9790	15763	1.11%	0.143%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	19.507	2788	2794	2798	rBV	10049	18277	1.29%	0.166%
38	19.536	2798	2799	2803	rVV4	3046	3978	0.28%	0.036%
39	19.712	2826	2829	2831	rBV3	1543	1743	0.12%	0.016%
40	19.777	2834	2840	2844	rBV3	5443	8737	0.62%	0.079%
41	19.865	2848	2855	2870	rBV	918727	1302371	91.96%	11.805%
42	19.959	2870	2871	2875	rVB3	1732	1716	0.12%	0.016%
43	20.094	2890	2894	2895	rBV4	2255	2845	0.20%	0.026%
44	20.141	2898	2902	2903	rVV3	1632	2369	0.17%	0.021%
45	20.223	2911	2916	2925	rVB7	9592	29004	2.05%	0.263%
46	20.312	2929	2931	2934	rVB4	2360	2487	0.18%	0.023%
47	20.447	2950	2954	2955	rBV4	2579	3173	0.22%	0.029%
48	20.552	2967	2972	2975	rBV6	2645	3933	0.28%	0.036%
49	20.811	3013	3016	3019	rVV4	3588	3472	0.25%	0.031%
50	20.864	3023	3025	3028	rBV4	2212	2625	0.19%	0.024%
51	21.087	3060	3063	3064	rBV3	1919	2525	0.18%	0.023%
52	21.140	3070	3072	3075	rVB4	2663	1921	0.14%	0.017%
53	21.304	3097	3100	3101	rBV2	2063	1812	0.13%	0.016%
54	21.381	3107	3113	3118	rBV7	8955	20593	1.45%	0.187%
55	21.622	3150	3154	3158	rVB7	4290	7017	0.50%	0.064%
56	21.745	3168	3175	3187	rVB2	397375	718762	50.75%	6.515%
57	21.827	3187	3189	3191	rVB3	2769	2156	0.15%	0.020%
58	21.874	3195	3197	3200	rBV4	2155	2549	0.18%	0.023%
59	21.933	3204	3207	3212	rVB5	5574	6038	0.43%	0.055%
60	22.156	3244	3245	3249	rBV4	2708	2105	0.15%	0.019%
61	22.239	3258	3259	3262	rVB3	3489	1847	0.13%	0.017%
62	22.386	3281	3284	3285	rVB3	2926	2624	0.19%	0.024%
63	22.521	3305	3307	3308	rBV3	2263	2091	0.15%	0.019%
64	22.544	3308	3311	3319	rVB7	13093	22683	1.60%	0.206%
65	22.967	3381	3383	3386	rBV4	2280	1684	0.12%	0.015%
66	23.249	3426	3431	3440	rBV2	22291	49787	3.52%	0.451%
67	24.060	3564	3569	3577	rVB2	27985	58213	4.11%	0.528%
68	24.336	3611	3616	3618	rBV6	2802	4633	0.33%	0.042%
69	24.501	3641	3644	3645	rBV3	3072	3501	0.25%	0.032%
70	24.701	3676	3678	3679	rBV2	2982	1841	0.13%	0.017%
71	24.777	3679	3691	3703	rVV	495013	1416261	100.00%	12.838%
72	24.918	3713	3715	3717	rBV2	3207	1704	0.12%	0.015%
73	25.000	3717	3729	3744	rBV	270062	870403	61.46%	7.890%
74	25.165	3755	3757	3759	rVB3	2582	1717	0.12%	0.016%
75	26.187	3922	3931	3941	rVB6	32937	103986	7.34%	0.943%
76	26.375	3961	3963	3966	rBV4	1889	1870	0.13%	0.017%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	26.610	4001	4003	4004	rVB2	3152	1939	0.14%	0.018%
78	26.857	4044	4045	4048	rBV	2286	2128	0.15%	0.019%
79	27.309	4121	4122	4126	rVB4	3149	2177	0.15%	0.020%
80	27.427	4140	4142	4144	rBV3	1934	2123	0.15%	0.019%
81	27.485	4151	4152	4154	rBV2	3467	3222	0.23%	0.029%
82	27.568	4155	4166	4176	rVB5	33844	117369	8.29%	1.064%
83	27.797	4203	4205	4207	rBV3	2085	1978	0.14%	0.018%
84	28.367	4300	4302	4305	rBV4	2233	2181	0.15%	0.020%
85	28.719	4360	4362	4364	rBV2	2877	2245	0.16%	0.020%
86	28.766	4369	4370	4372	rBV2	2321	2093	0.15%	0.019%
87	28.978	4405	4406	4408	rBV2	2655	1987	0.14%	0.018%
88	29.225	4437	4448	4461	rBV6	22526	100393	7.09%	0.910%
89	29.313	4461	4463	4464	rVB2	2766	1671	0.12%	0.015%
90	29.371	4471	4473	4476	rBV4	2266	2720	0.19%	0.025%
91	29.789	4542	4544	4546	rBV3	2159	2609	0.18%	0.024%
92	30.071	4590	4592	4593	rBV2	3293	2715	0.19%	0.025%
93	30.323	4634	4635	4637	rBV2	2696	1951	0.14%	0.018%
94	30.570	4675	4677	4680	rBV3	2904	2519	0.18%	0.023%
95	30.723	4701	4703	4708	rBV6	2405	3277	0.23%	0.030%
96	30.834	4718	4722	4723	rBV4	2062	2657	0.19%	0.024%
97	31.228	4777	4789	4790	rBV8	14866	34712	2.45%	0.315%
98	31.563	4844	4846	4847	rBV2	3877	2755	0.19%	0.025%
99	31.869	4896	4898	4900	rVB2	3468	2359	0.17%	0.021%
100	31.927	4906	4908	4909	rBV2	3207	1899	0.13%	0.017%

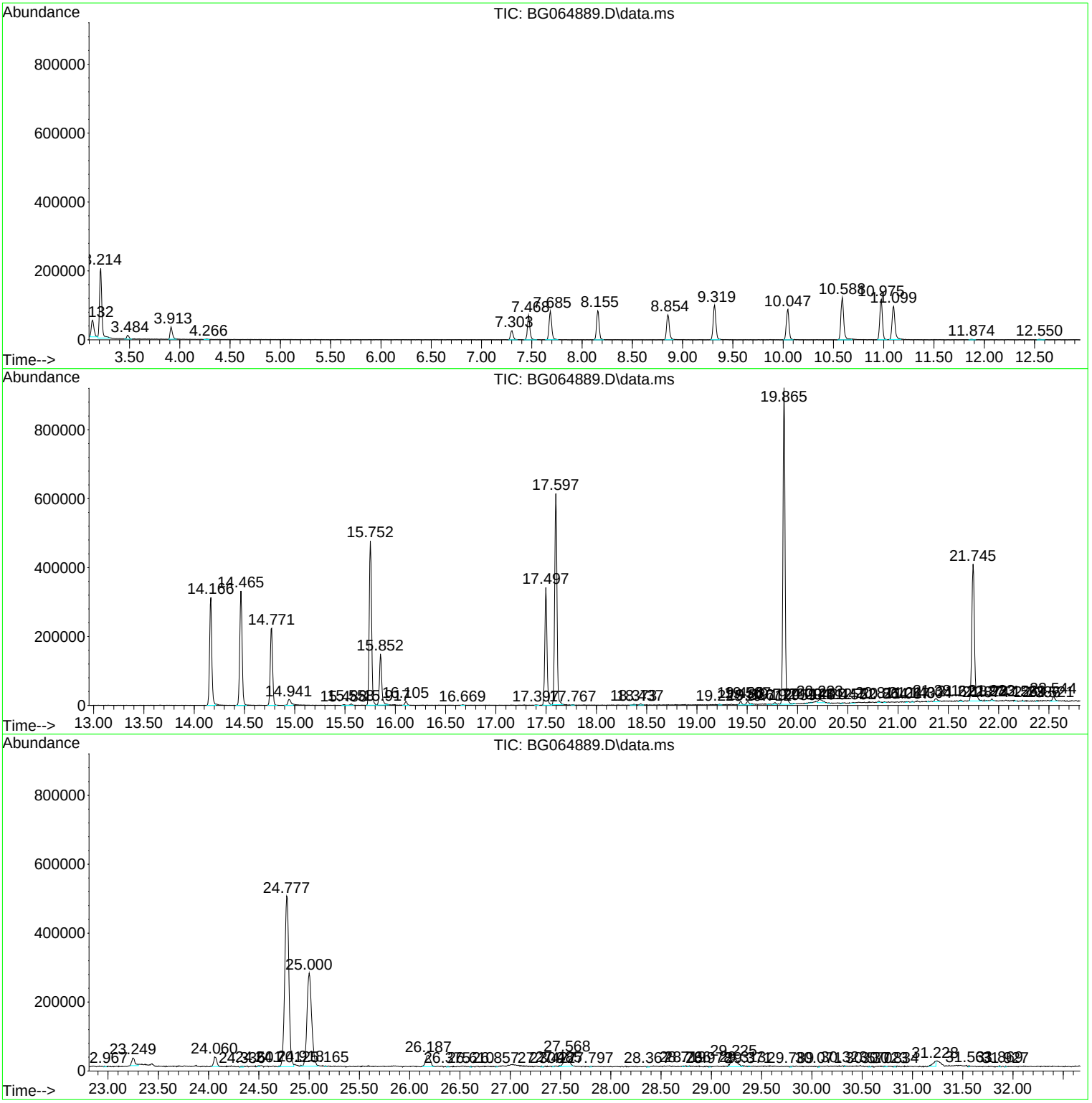
Sum of corrected areas: 11031958

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

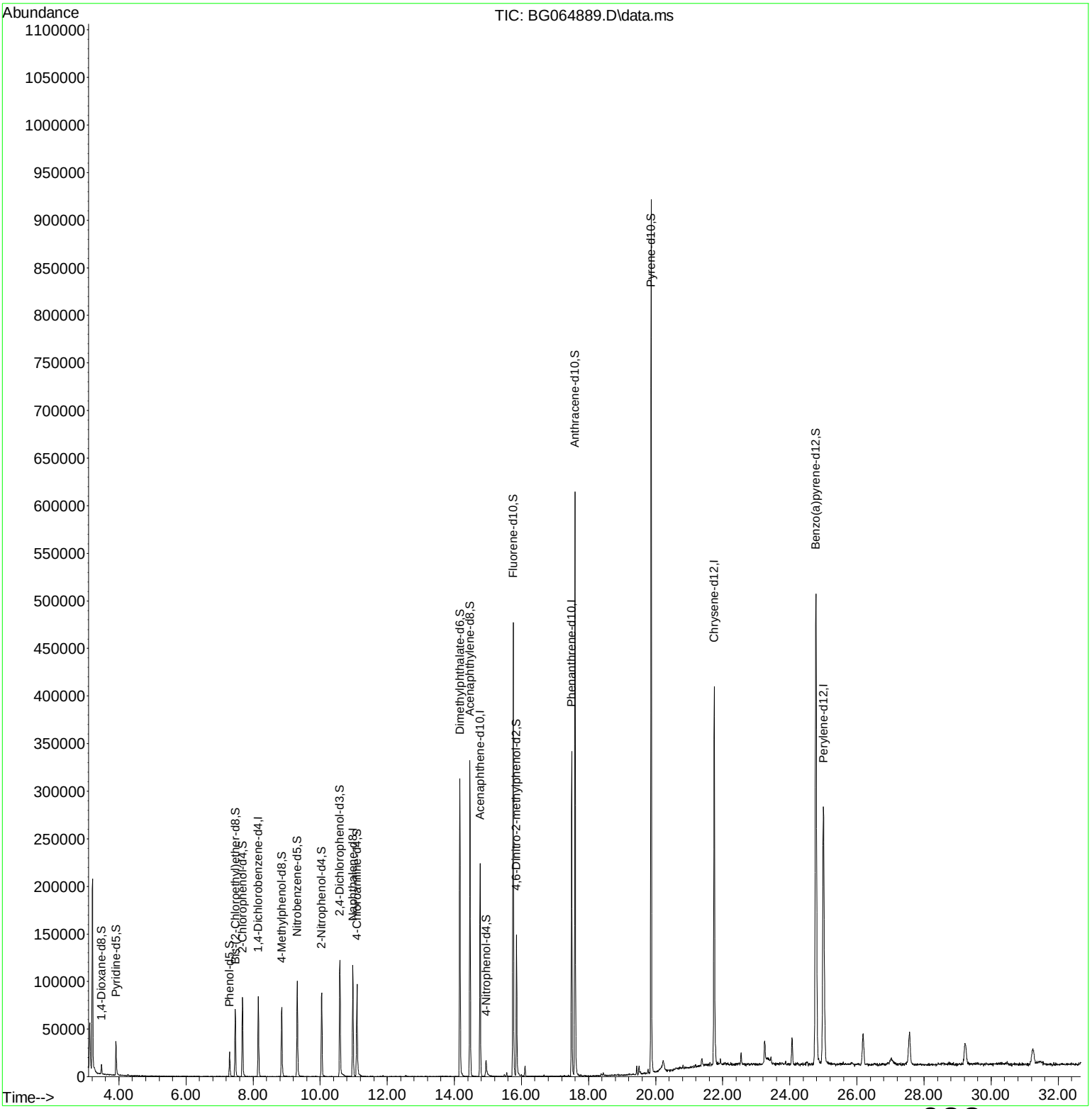
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 01 11:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-29

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



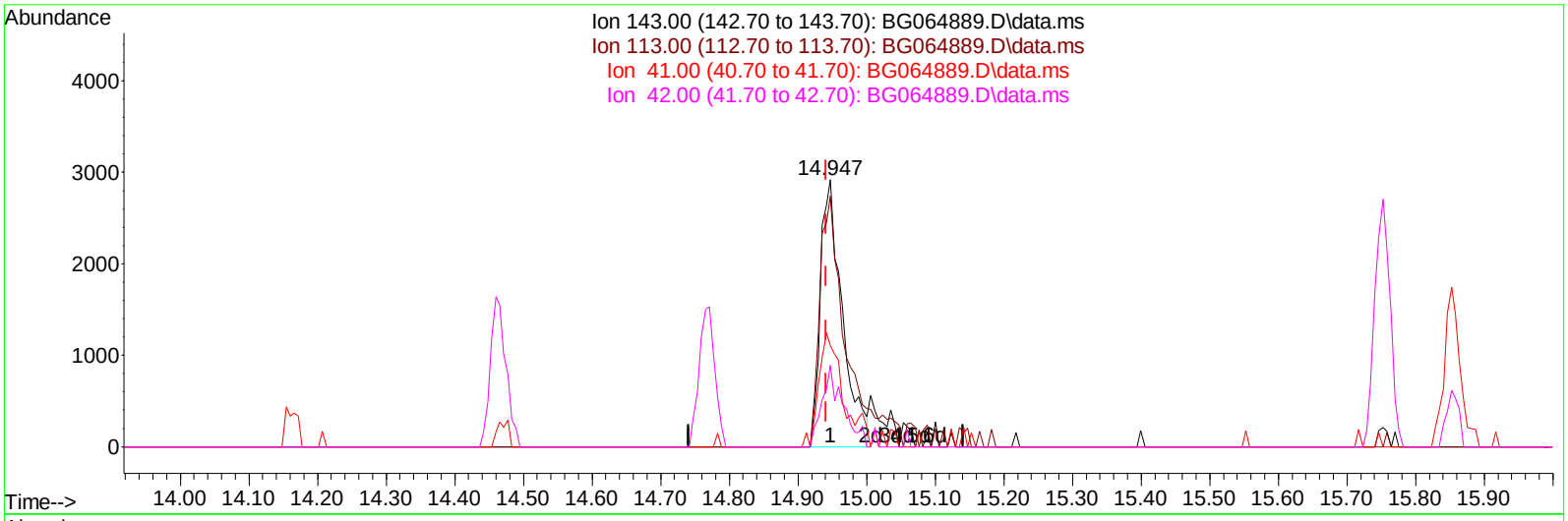
Quantitation Report (Qedit)

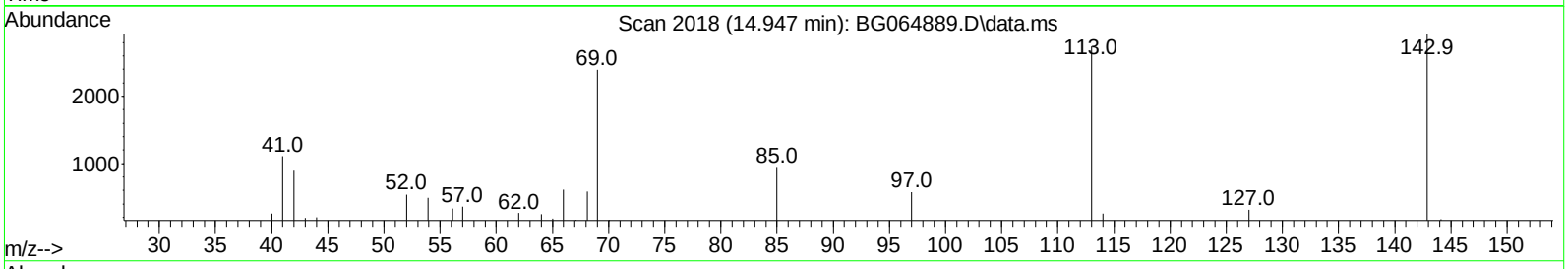
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

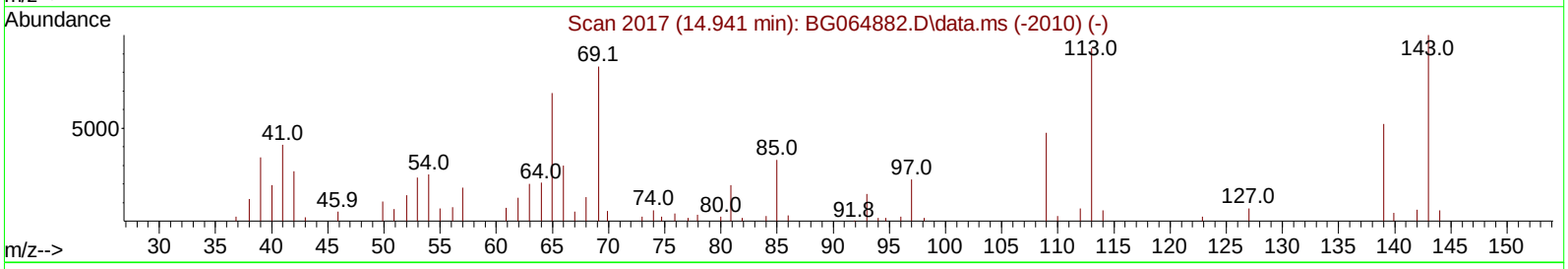
Quant Time: Dec 01 07:52:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-29

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064889.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.947min (+ 0.006) 6.01 ng/ul

response 6453

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	93.97
41.00	40.40	37.94
42.00	23.60	30.57#

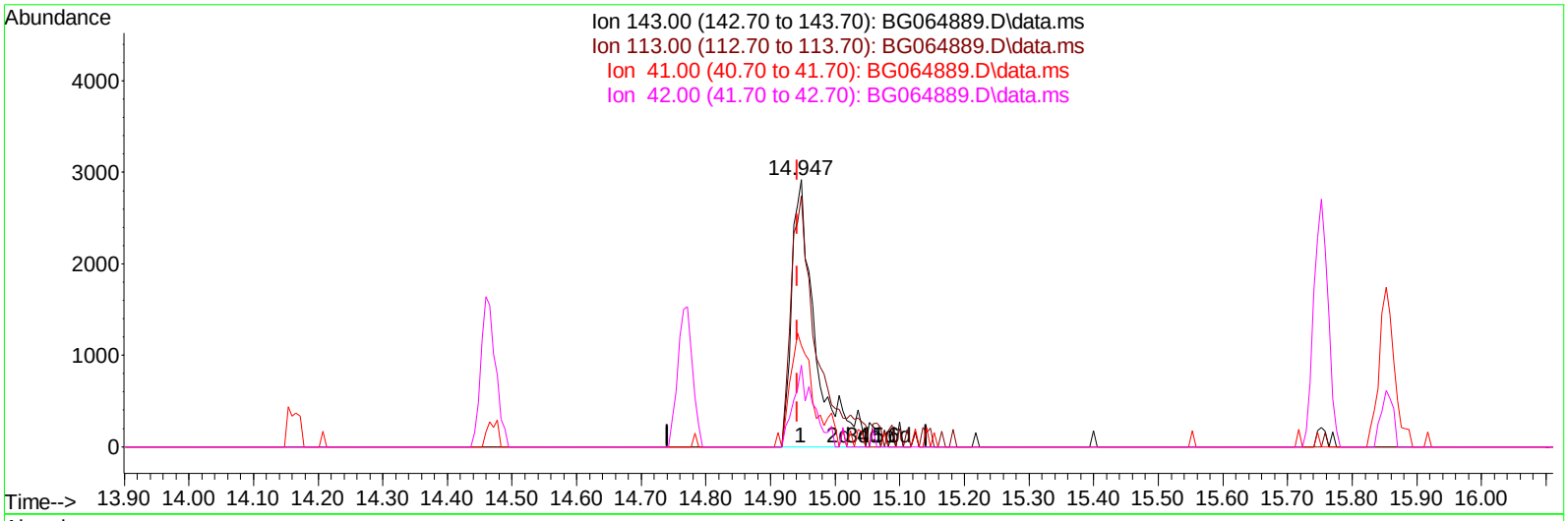
Quantitation Report (Qedit)

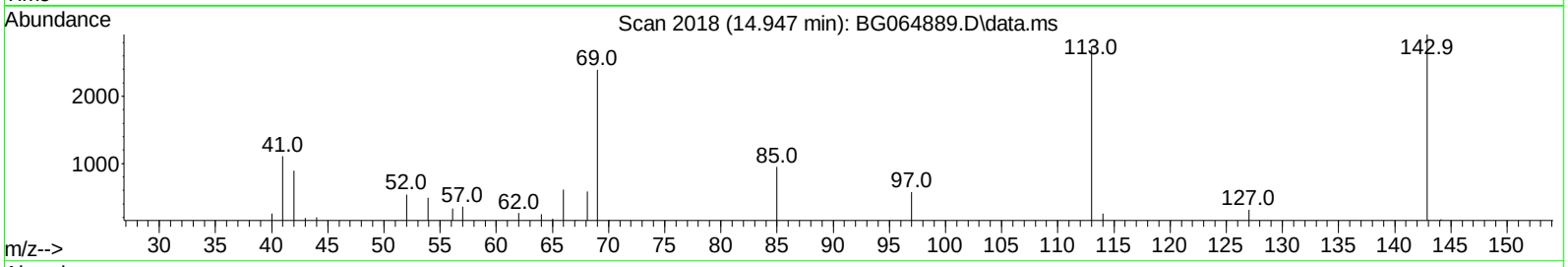
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

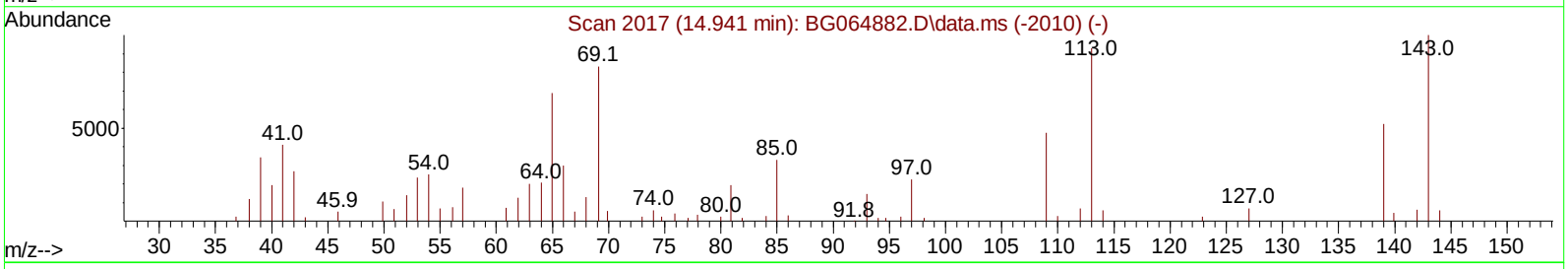
Quant Time: Dec 01 07:52:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-29

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064889.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.947min (+ 0.006) 7.20 ng/ul m

response 7731

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	93.97
41.00	40.40	37.94
42.00	23.60	30.57#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064889.D
Acq On : 26 Nov 2025 15:00
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 01 11:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-29

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	25790	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	98988	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	90021	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	233894	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	301851	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	335347	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	4922	7.565	ng/uL	0.00
4) Pyridine-d5	3.913	84	16537	9.224	ng/ul	0.00
7) Phenol-d5	7.303	99	15680	7.542	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	34036	25.598	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	40424	25.648	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	30582	17.067	ng/ul	0.00
21) Nitrobenzene-d5	9.319	128	24737	33.132	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	29384	33.135	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	54883	30.017	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	55763	23.860	ng/ul	0.00
46) Dimethylphthalate-d6	14.166	166	239470	33.818	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	241291	31.818	ng/ul	0.00
54) 4-Nitrophenol-d4	14.947	143	7731m	7.201	ng/ul	0.00
60) Fluorene-d10	15.752	176	221486	34.841	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	46492	31.047	ng/ul	0.00
73) Anthracene-d10	17.597	188	415071	35.120	ng/ul	0.00
81) Pyrene-d10	19.865	212	562253	36.263	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	650158	36.747	ng/ul	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-13
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064886.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-30I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-13
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064886.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.869	37	JN
2	E966796	Total Alkanes	N/A	2.8	

EPA-designated Registry Number.

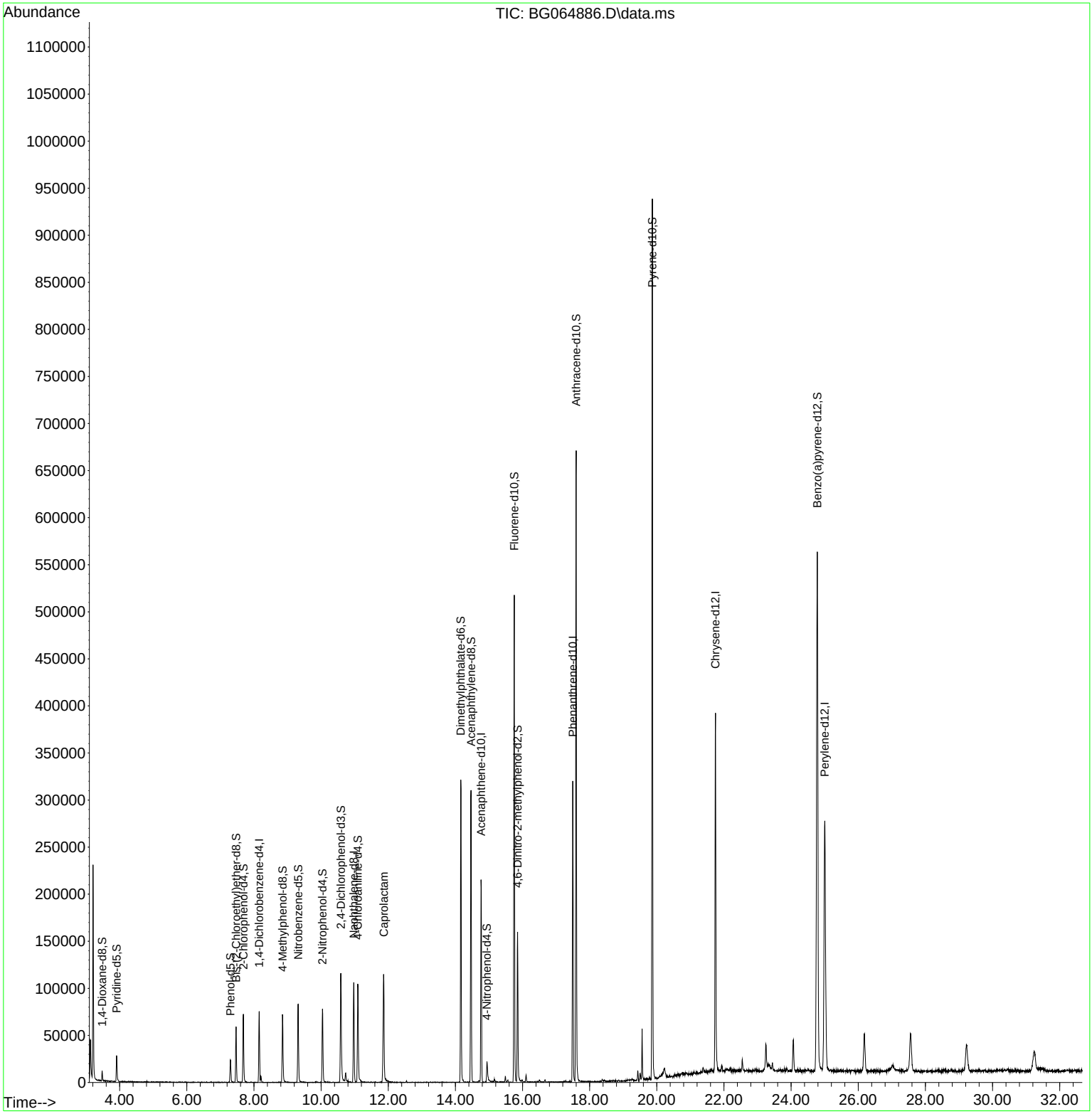
Quantitation Report (QT/LSC Reviewed)

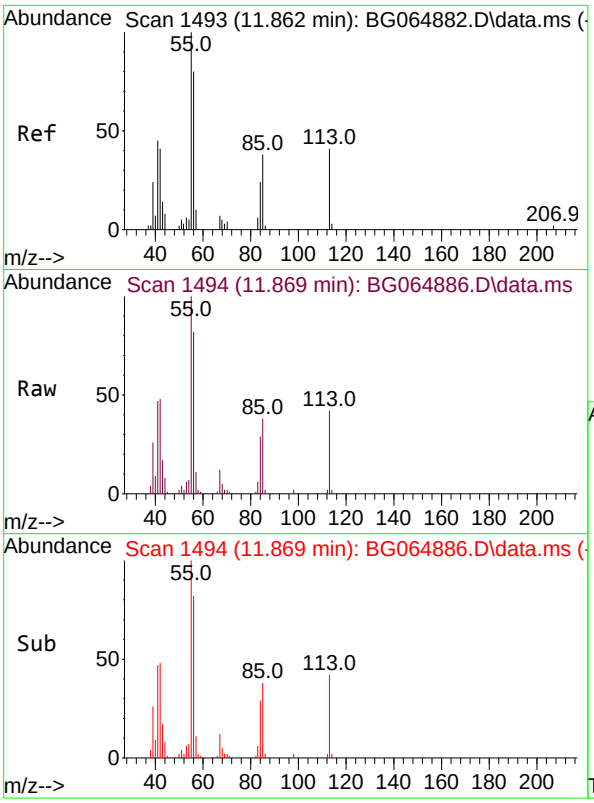
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 01 10:04:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

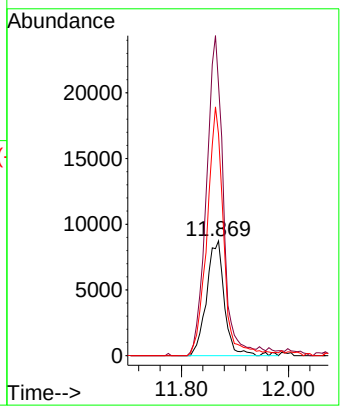




#34
Caprolactam
Concen: 36.989 ng/ul m
RT: 11.869 min Scan# 1494
Delta R.T. 0.001 min
Lab File: BG064886.D
Acq: 26 Nov 2025 12:57

Tgt Ion:113 Resp: 20224

Ion	Ratio	Lower	Upper
113	100		
55	236.4	187.9	281.9
56	193.2	127.5	191.3#



Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 10:04:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.156	152	22311	20.000	ng/ul	0.00
20) Naphthalene-d8	10.970	136	90833	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.766	164	85399	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	220636	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.746	240	286082	20.000	ng/ul	# 0.00
88) Perylene-d12	25.001	264	320835	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.479	96	4610	8.190	ng/uL	0.00
4) Pyridine-d5	3.914	84	13557	8.741	ng/ul	0.00
7) Phenol-d5	7.298	99	14742	8.197	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.469	67	28067	24.400	ng/ul	0.00
11) 2-Chlorophenol-d4	7.686	132	36039	26.431	ng/ul	0.00
15) 4-Methylphenol-d8	8.855	113	29410	18.973	ng/ul	0.00
21) Nitrobenzene-d5	9.319	128	21210	30.959	ng/ul	0.00
24) 2-Nitrophenol-d4	10.042	143	26294	32.312	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	56005	33.381	ng/ul	0.00
31) 4-Chloroaniline-d4	11.094	131	58773	27.406	ng/ul	0.00
46) Dimethylphthalate-d6	14.161	166	244620	36.415	ng/ul	0.00
49) Acenaphthylene-d8	14.466	160	232646	32.338	ng/ul	0.00
54) 4-Nitrophenol-d4	14.936	143	8642m	8.486	ng/ul	0.00
60) Fluorene-d10	15.753	176	224971	37.304	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.853	200	50289	35.601	ng/ul	0.00
73) Anthracene-d10	17.598	188	460328	41.290	ng/ul	0.00
81) Pyrene-d10	19.866	212	621626	42.302	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.778	264	720543	42.568	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.869	113	20224m	36.989	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064886.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.127	3	6	15	rVB	39631	68315	4.35%	0.586%
2	3.209	15	20	34	rVB	228081	322207	20.53%	2.763%
3	3.479	62	66	73	rVB	11006	14671	0.93%	0.126%
4	3.767	112	115	123	rVB3	1146	2443	0.16%	0.021%
5	3.908	135	139	152	rVB	27685	47558	3.03%	0.408%
6	7.298	710	716	725	rBV	24163	46292	2.95%	0.397%
7	7.469	738	745	757	rBV	59025	98989	6.31%	0.849%
8	7.686	775	782	795	rVB	72504	131804	8.40%	1.130%
9	8.156	855	862	868	rBV	75470	130363	8.30%	1.118%
10	8.209	868	871	878	rVB	6559	10504	0.67%	0.090%
11	8.849	974	980	994	rBV	72197	141218	9.00%	1.211%
12	9.319	1052	1060	1068	rBV	83310	158838	10.12%	1.362%
13	10.042	1177	1183	1194	rBV	77675	142805	9.10%	1.224%
14	10.588	1269	1276	1288	rBV	116077	245509	15.64%	2.105%
15	10.735	1296	1301	1306	rBV2	8465	14702	0.94%	0.126%
16	10.970	1333	1341	1350	rBV	105979	197142	12.56%	1.690%
17	11.094	1354	1362	1385	rVB	104581	213426	13.60%	1.830%
18	11.863	1484	1493	1503	rBV2	114937	250705	15.97%	2.150%
19	11.999	1515	1516	1521	rVB3	1743	2073	0.13%	0.018%
20	12.545	1605	1609	1613	rVB2	1896	2354	0.15%	0.020%
21	14.161	1878	1884	1895	rBV	321417	498160	31.74%	4.271%
22	14.466	1928	1936	1948	rBV	310110	507368	32.32%	4.350%
23	14.701	1970	1976	1980	rBV2	1997	3634	0.23%	0.031%
24	14.766	1980	1987	1996	rVB	215201	343316	21.87%	2.944%
25	14.942	2012	2017	2033	rBV2	21472	50719	3.23%	0.435%
26	15.160	2051	2054	2060	rBV4	3047	4444	0.28%	0.038%
27	15.489	2104	2110	2116	rBV3	6139	9340	0.60%	0.080%
28	15.565	2116	2123	2128	rVB3	2476	4110	0.26%	0.035%
29	15.753	2147	2155	2166	rBV	517512	784437	49.97%	6.726%
30	15.853	2166	2172	2184	rVV	158684	257047	16.38%	2.204%
31	15.988	2191	2195	2201	rVB4	2243	3700	0.24%	0.032%
32	16.106	2210	2215	2221	rBV	7524	11905	0.76%	0.102%
33	16.147	2221	2222	2230	rVB	797	1665	0.11%	0.014%
34	16.499	2279	2282	2290	rVB2	2319	4423	0.28%	0.038%
35	16.675	2306	2312	2317	rVB2	2464	4385	0.28%	0.038%
36	17.498	2445	2452	2462	rBV2	319723	492211	31.36%	4.220%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	17.598	2462	2469	2480	rVV2	669548	1054247	67.16%	9.039%
38	18.379	2596	2602	2606	rBV4	2526	4841	0.31%	0.042%
39	18.438	2608	2612	2616	rVV5	1988	3279	0.21%	0.028%
40	18.867	2680	2685	2687	rBV4	1633	2810	0.18%	0.024%
41	19.220	2740	2745	2749	rBV4	1579	2956	0.19%	0.025%
42	19.261	2749	2752	2756	rVV3	2821	4562	0.29%	0.039%
43	19.431	2775	2781	2786	rVB	10682	16586	1.06%	0.142%
44	19.502	2788	2793	2798	rBV3	8093	14881	0.95%	0.128%
45	19.560	2798	2803	2812	rVB	54048	67548	4.30%	0.579%
46	19.737	2831	2833	2835	rBV2	1873	1980	0.13%	0.017%
47	19.866	2848	2855	2868	rBV	936375	1433693	91.33%	12.293%
48	20.171	2904	2907	2908	rBV3	3069	2807	0.18%	0.024%
49	20.207	2911	2913	2914	rBV2	3508	3056	0.19%	0.026%
50	20.383	2941	2943	2947	rVB5	2005	1705	0.11%	0.015%
51	20.489	2958	2961	2963	rBV3	1977	2462	0.16%	0.021%
52	20.542	2968	2970	2973	rVB4	2364	1914	0.12%	0.016%
53	20.618	2979	2983	2984	rBV4	2359	3081	0.20%	0.026%
54	20.700	2995	2997	2999	rBV2	2639	2816	0.18%	0.024%
55	20.865	3023	3025	3027	rBV3	2065	2203	0.14%	0.019%
56	21.205	3081	3083	3086	rVB3	2352	2069	0.13%	0.018%
57	21.376	3108	3112	3116	rBV7	5776	10854	0.69%	0.093%
58	21.746	3168	3175	3188	rBV2	379776	666550	42.46%	5.715%
59	21.934	3202	3207	3210	rBV6	7163	12708	0.81%	0.109%
60	22.187	3246	3250	3252	rBV4	3025	3504	0.22%	0.030%
61	22.275	3263	3265	3266	rBV2	2354	1615	0.10%	0.014%
62	22.339	3274	3276	3277	rBV2	2354	1782	0.11%	0.015%
63	22.545	3306	3311	3315	rBV3	12508	20477	1.30%	0.176%
64	22.921	3373	3375	3379	rBV4	2672	2853	0.18%	0.024%
65	23.244	3425	3430	3437	rBV3	24657	48345	3.08%	0.415%
66	23.444	3459	3464	3470	rVB6	8472	14593	0.93%	0.125%
67	23.679	3503	3504	3508	rVB4	3266	3467	0.22%	0.030%
68	23.726	3508	3512	3516	rBV7	2333	4581	0.29%	0.039%
69	24.067	3562	3570	3577	rBV3	33732	75208	4.79%	0.645%
70	24.272	3604	3605	3608	rBV3	2567	1929	0.12%	0.017%
71	24.425	3629	3631	3632	rBV	3051	2105	0.13%	0.018%
72	24.678	3672	3674	3676	rBV3	2300	1894	0.12%	0.016%
73	24.778	3679	3691	3708	rVV	551276	1569746	100.00%	13.459%
74	25.001	3717	3729	3742	rBV	264083	848566	54.06%	7.276%
75	25.318	3781	3783	3785	rBV2	1867	1784	0.11%	0.015%
76	25.436	3801	3803	3805	rBV3	1885	1750	0.11%	0.015%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	25.547	3820	3822	3827	rVB6	2217	1697	0.11%	0.015%
78	26.123	3918	3920	3921	rVV2	3078	2071	0.13%	0.018%
79	26.182	3921	3930	3940	rVB2	39889	118328	7.54%	1.015%
80	26.370	3960	3962	3964	rVB3	2653	2020	0.13%	0.017%
81	26.470	3977	3979	3980	rBV2	3240	2217	0.14%	0.019%
82	26.858	4043	4045	4048	rBV4	3172	3621	0.23%	0.031%
83	27.557	4155	4164	4178	rVB2	39951	144662	9.22%	1.240%
84	27.862	4214	4216	4219	rBV3	2204	1840	0.12%	0.016%
85	28.444	4312	4315	4317	rVB4	2383	2237	0.14%	0.019%
86	28.703	4357	4359	4363	rBV4	2167	3065	0.20%	0.026%
87	28.750	4365	4367	4370	rBV4	1995	2215	0.14%	0.019%
88	29.073	4421	4422	4425	rBV3	2268	2385	0.15%	0.020%
89	29.220	4437	4447	4465	rVB5	28630	116491	7.42%	0.999%
90	29.419	4477	4481	4483	rBV4	2997	3747	0.24%	0.032%
91	29.507	4495	4496	4499	rBV3	2180	1925	0.12%	0.017%
92	29.590	4509	4510	4512	rBV2	2158	1897	0.12%	0.016%
93	29.748	4534	4537	4539	rBV4	2633	3349	0.21%	0.029%
94	30.130	4600	4602	4604	rVB3	2431	1996	0.13%	0.017%
95	30.735	4701	4705	4707	rBV4	2807	3158	0.20%	0.027%
96	30.818	4718	4719	4721	rBV2	2163	1800	0.11%	0.015%
97	31.100	4766	4767	4770	rBV3	2469	2317	0.15%	0.020%
98	31.147	4772	4775	4776	rBV3	2676	3171	0.20%	0.027%
99	31.241	4781	4791	4803	rVB6	18706	87886	5.60%	0.754%
100	31.446	4824	4826	4828	rBV3	2604	2178	0.14%	0.019%

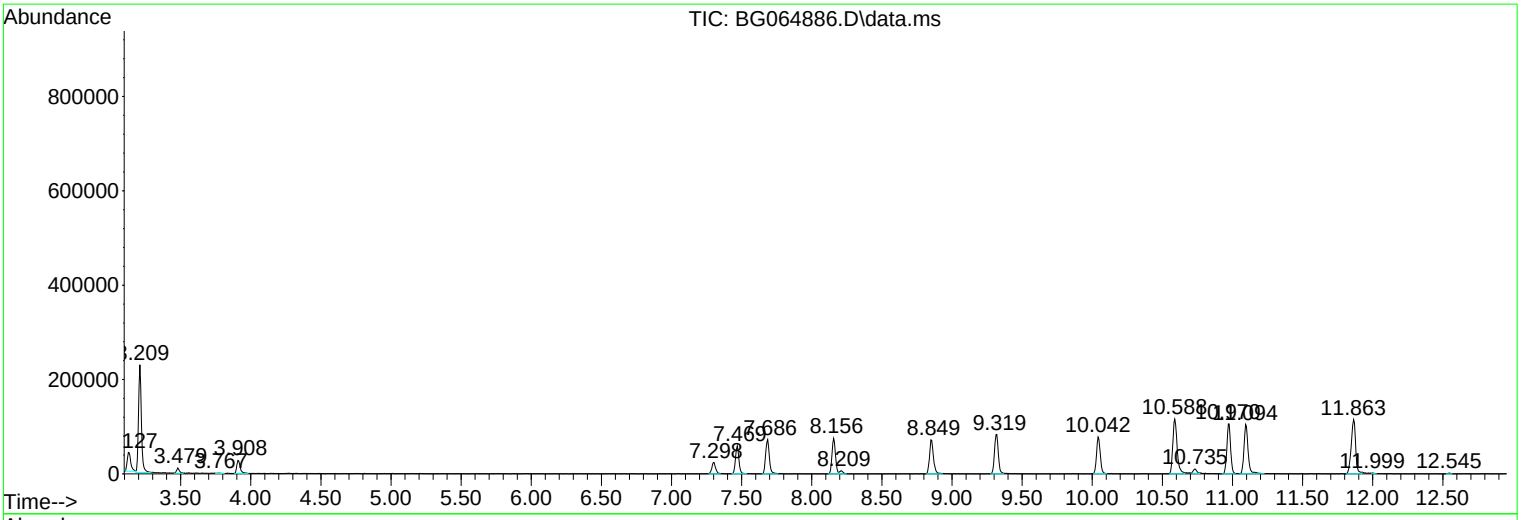
Sum of corrected areas: 11662862

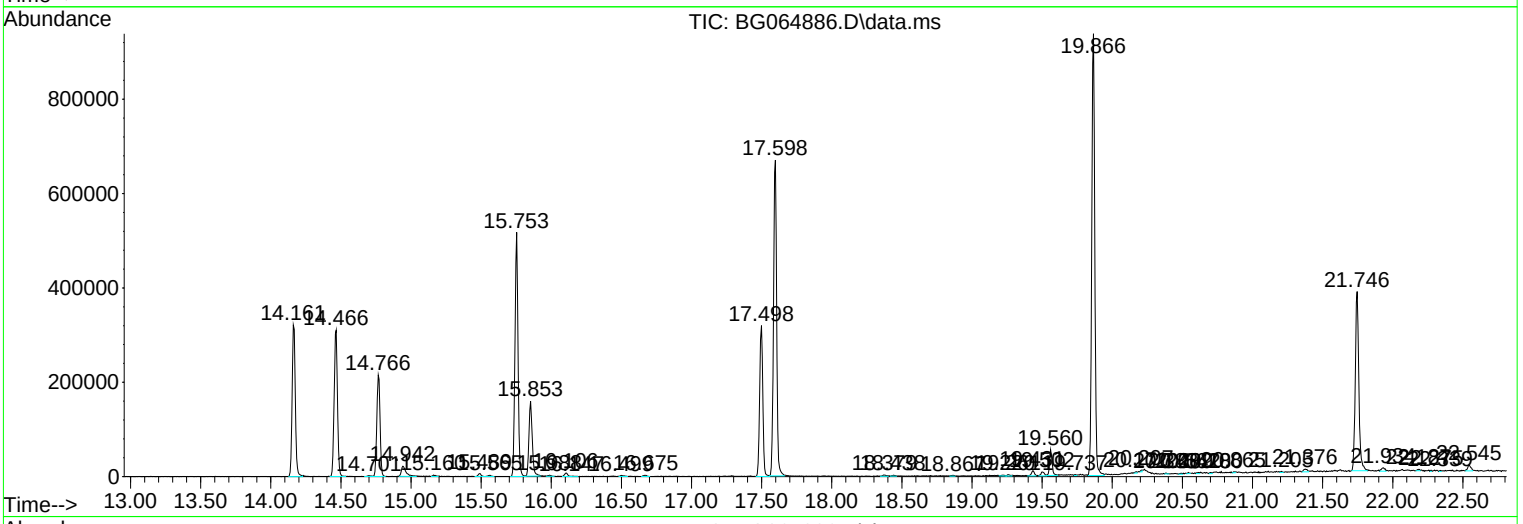
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

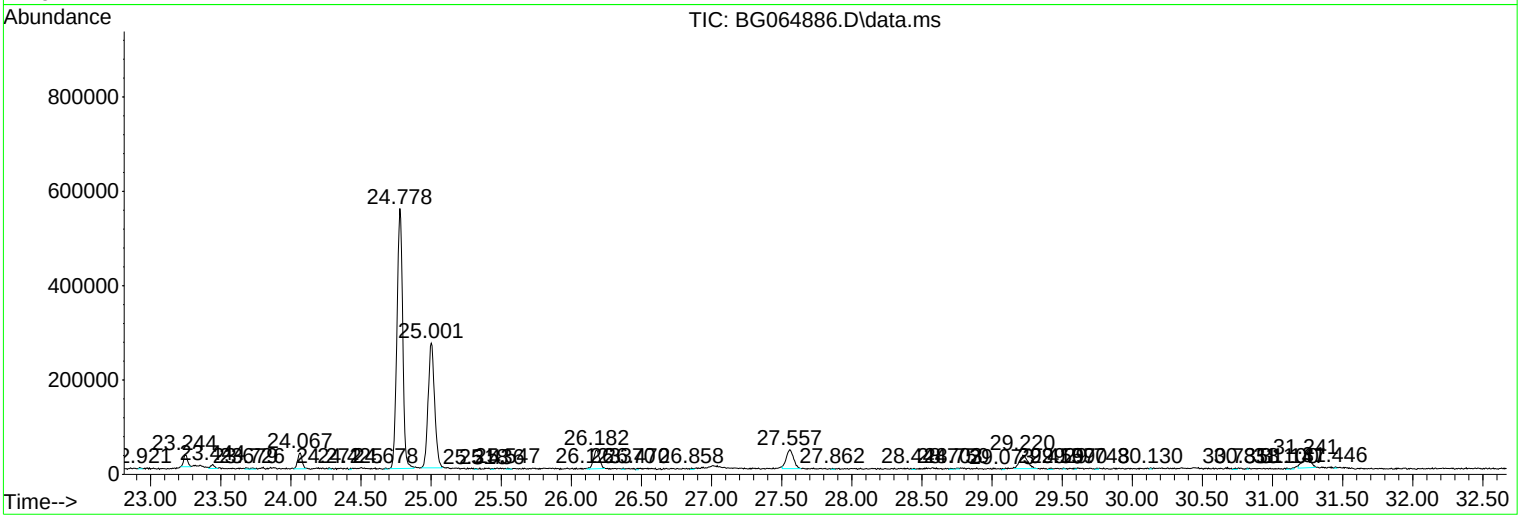
Instrument :
BNA_G
ClientSampleId :
M-30I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30I

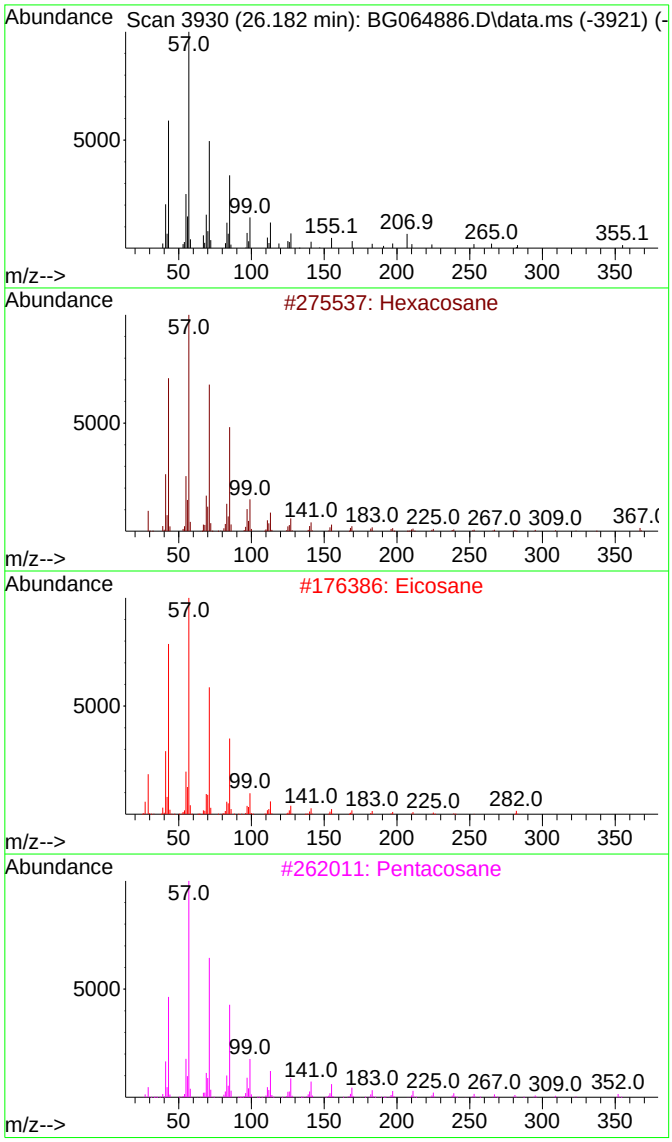
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

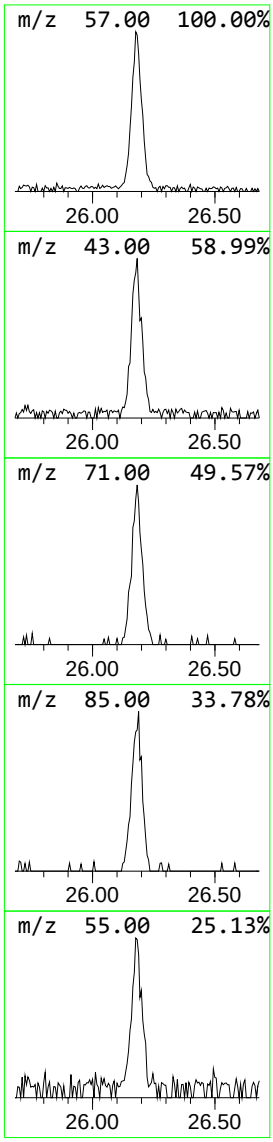
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.182	2.79 ng/ul	118328	Perylene-d12	25.001

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	87
2	Eicosane	282	C20H42	000112-95-8	87
3	Pentacosane	352	C25H52	000629-99-2	83
4	Tetracosane	338	C24H50	000646-31-1	83
5	Heneicosane	296	C21H44	000629-94-7	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	26.182	2.8	ng/ul	118328	6	25.001	848566	20.0

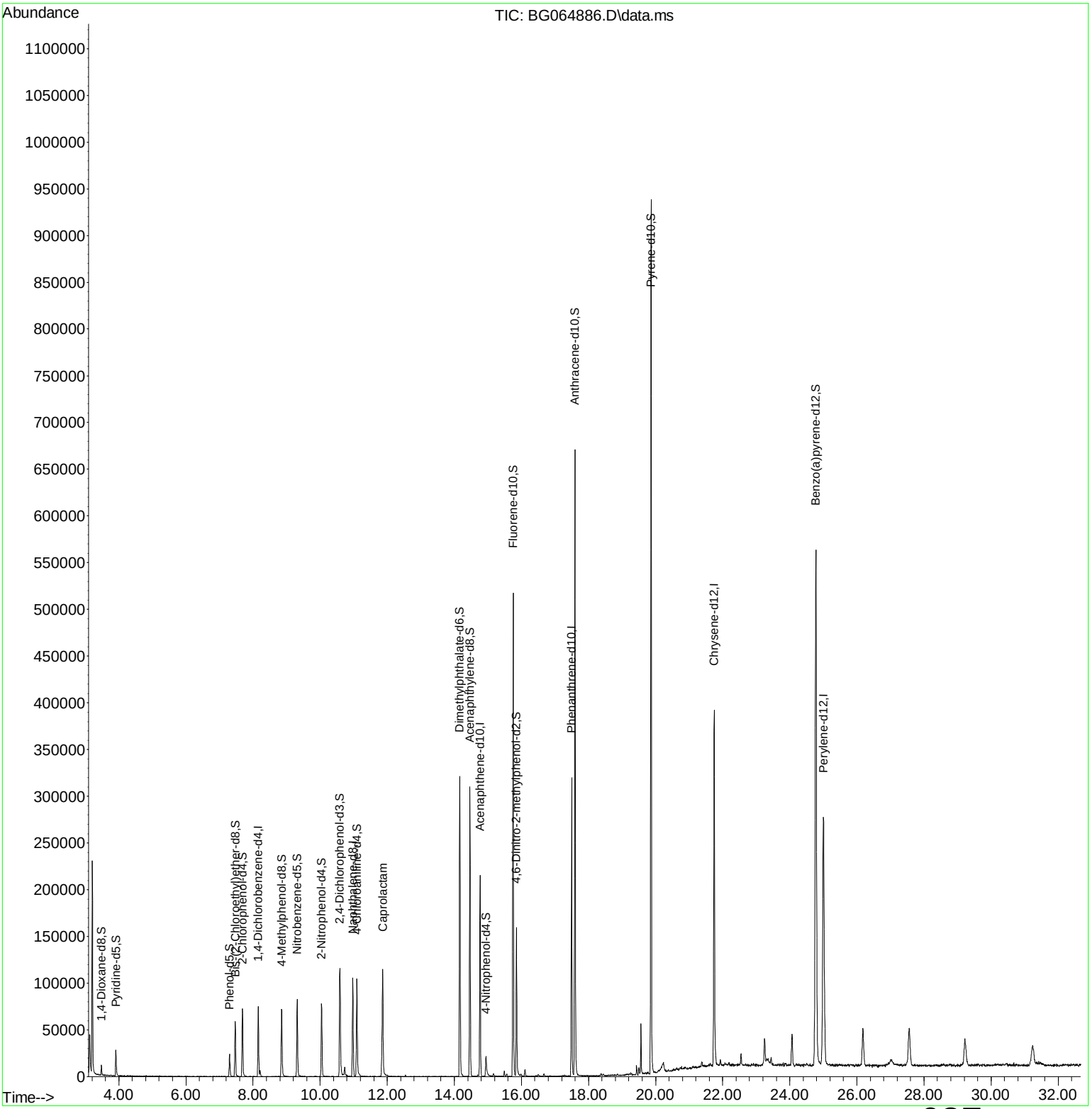
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 01 10:04:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



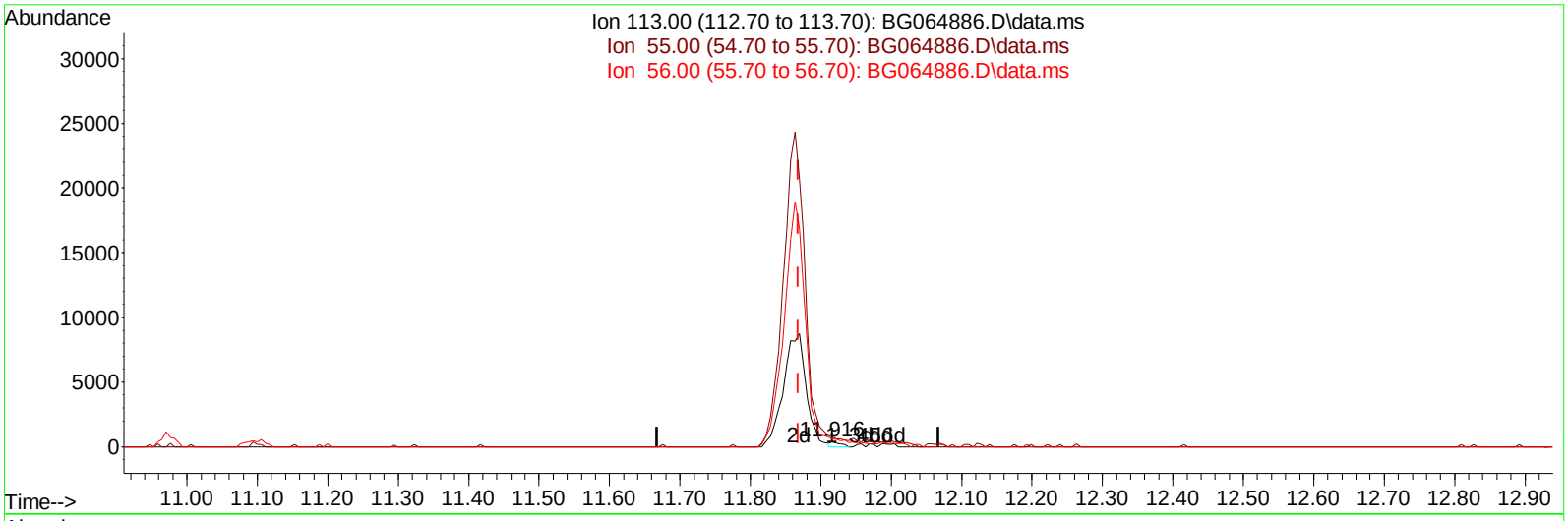
Quantitation Report (Qedit)

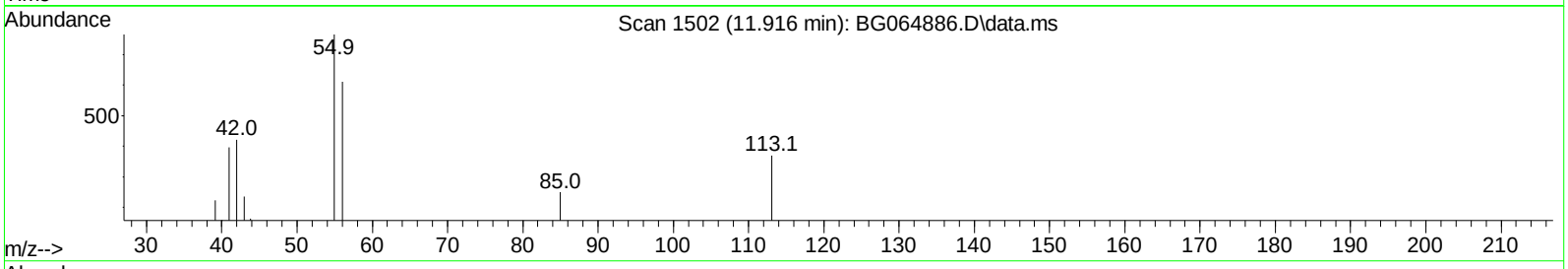
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

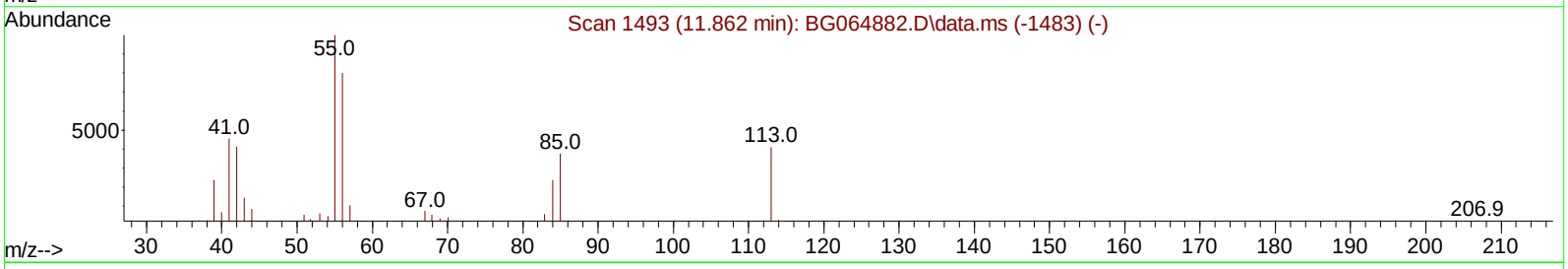
Quant Time: Dec 01 09:57:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064886.D\data.ms

(34) Caprolactam

11.916min (+ 0.048) 0.67 ng/ul

response 365

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	206.76
56.00	159.40	164.86
0.00	0.00	0.00

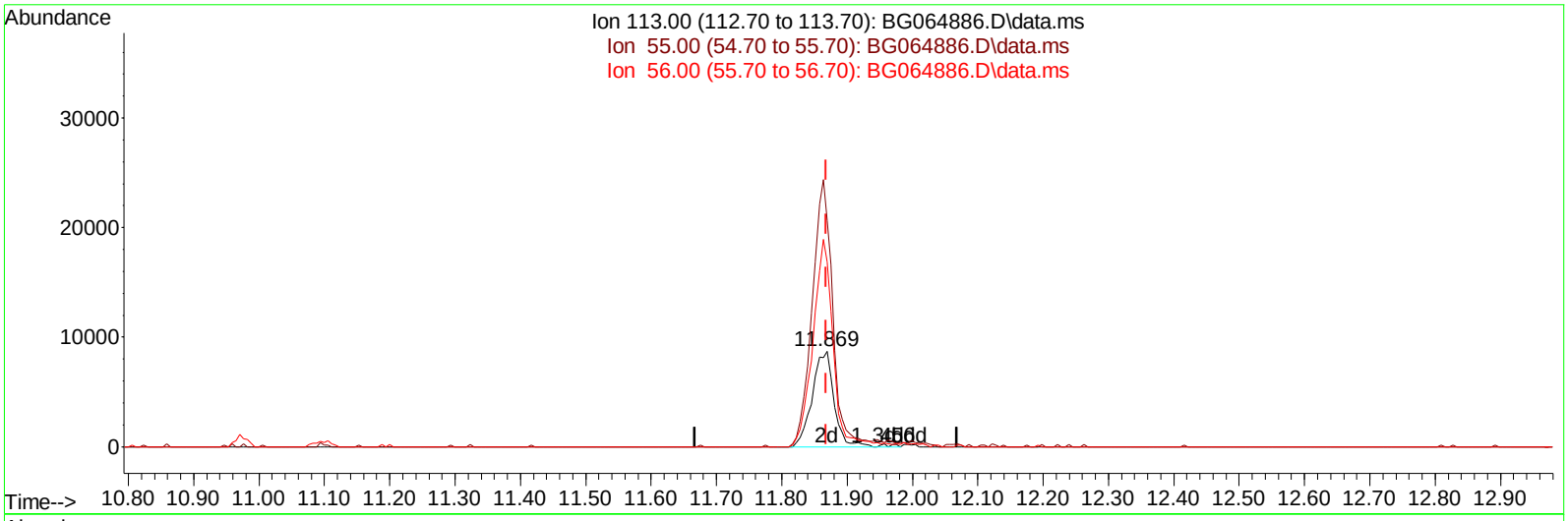
Quantitation Report (Qedit)

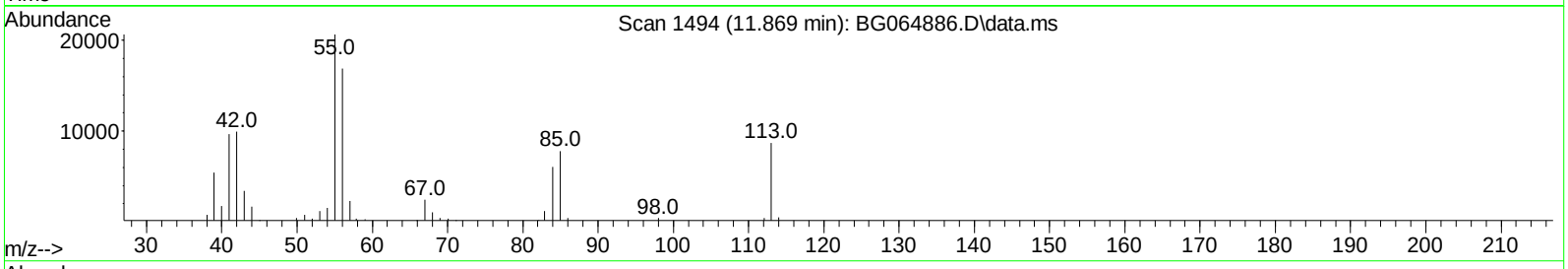
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

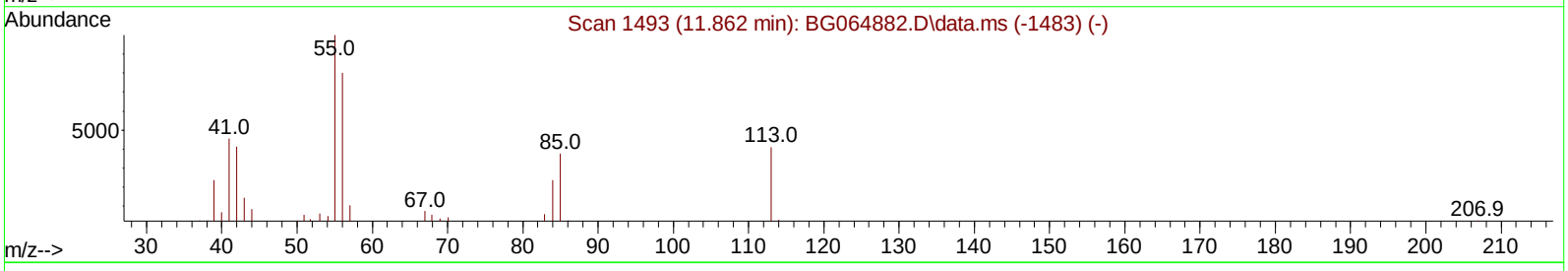
Quant Time: Dec 01 09:57:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064886.D\data.ms

(34) Caprolactam

11.869min (+ 0.001) 36.99 ng/ul m

response 20224

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	236.36
56.00	159.40	193.20#
0.00	0.00	0.00

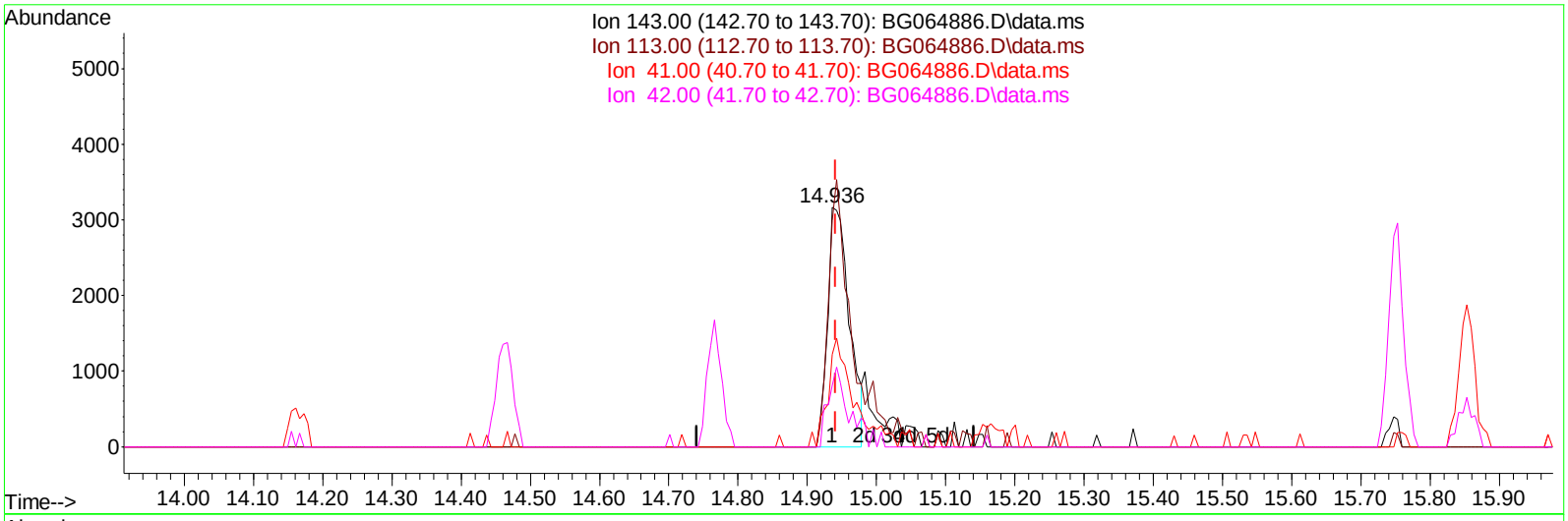
Quantitation Report (Qedit)

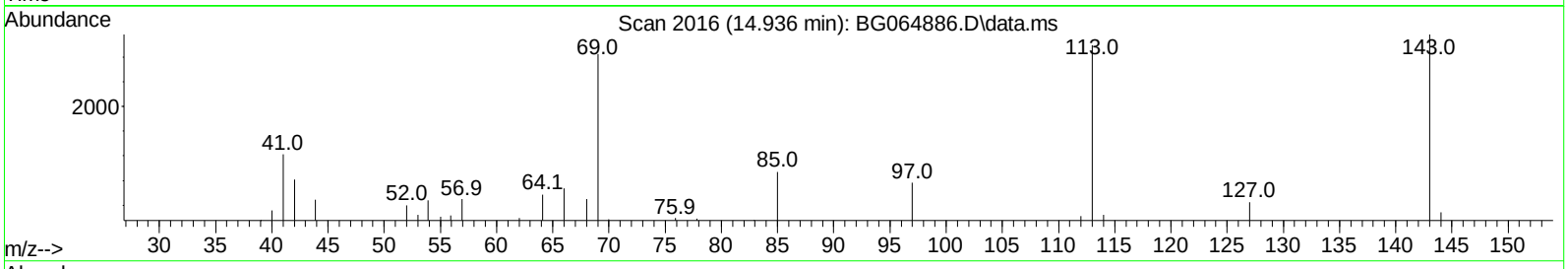
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

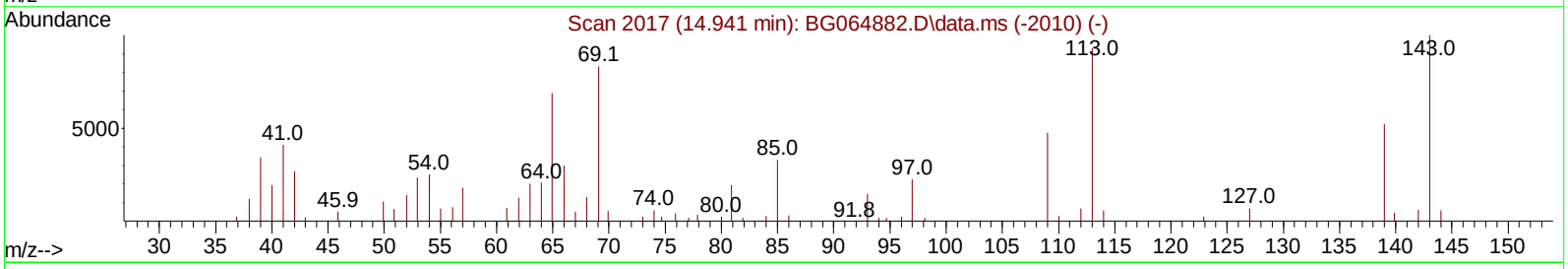
Quant Time: Dec 01 09:57:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064886.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.936min (-0.005) 6.76 ng/ul

response 6883

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	94.66
41.00	40.40	38.58
42.00	23.60	25.77

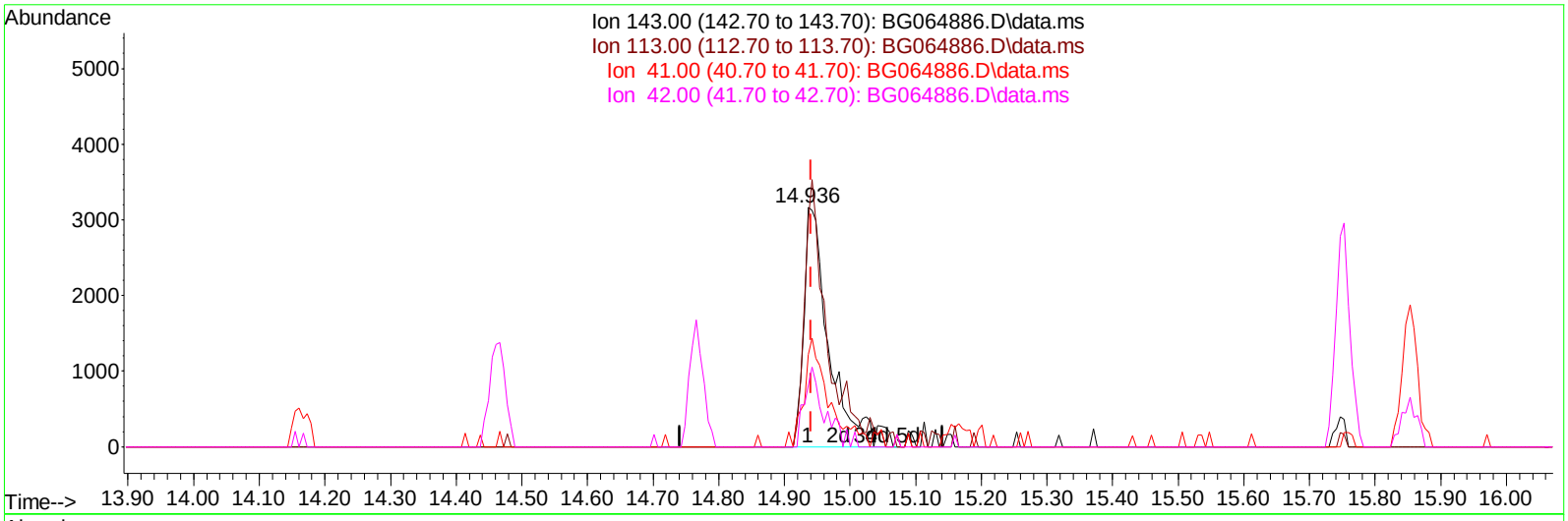
Quantitation Report (Qedit)

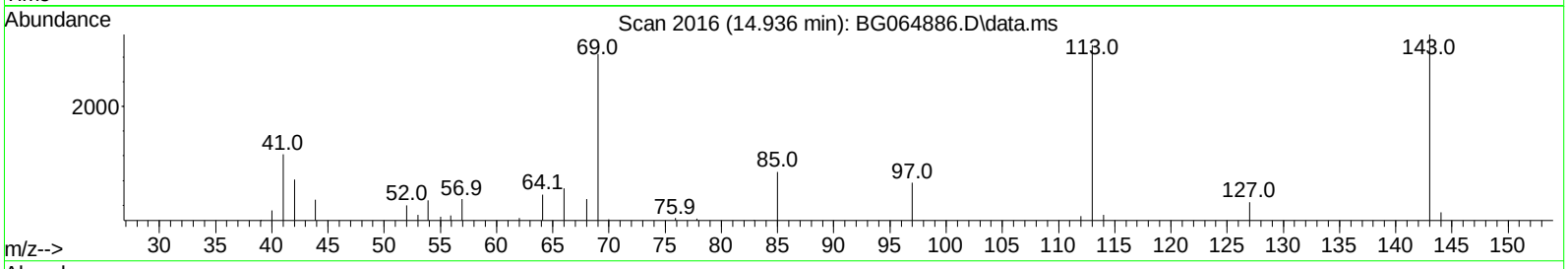
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

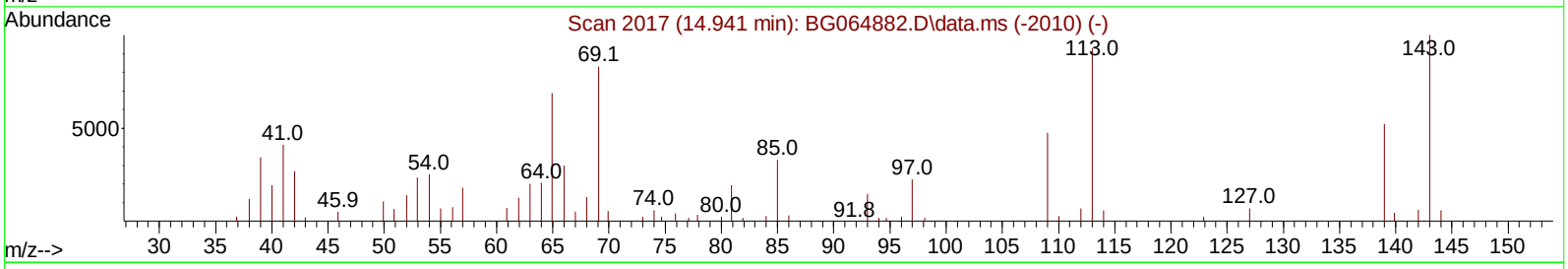
Quant Time: Dec 01 09:57:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064886.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.936min (-0.005) 8.49 ng/ul m

response 8642

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	94.66
41.00	40.40	38.58
42.00	23.60	25.77

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064886.D
Acq On : 26 Nov 2025 12:57
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 01 10:04:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.156	152	22311	20.000	ng/ul	0.00
20) Naphthalene-d8	10.970	136	90833	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.766	164	85399	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	220636	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.746	240	286082	20.000	ng/ul	# 0.00
88) Perylene-d12	25.001	264	320835	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.479	96	4610	8.190	ng/uL	0.00
4) Pyridine-d5	3.914	84	13557	8.741	ng/ul	0.00
7) Phenol-d5	7.298	99	14742	8.197	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.469	67	28067	24.400	ng/ul	0.00
11) 2-Chlorophenol-d4	7.686	132	36039	26.431	ng/ul	0.00
15) 4-Methylphenol-d8	8.855	113	29410	18.973	ng/ul	0.00
21) Nitrobenzene-d5	9.319	128	21210	30.959	ng/ul	0.00
24) 2-Nitrophenol-d4	10.042	143	26294	32.312	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	56005	33.381	ng/ul	0.00
31) 4-Chloroaniline-d4	11.094	131	58773	27.406	ng/ul	0.00
46) Dimethylphthalate-d6	14.161	166	244620	36.415	ng/ul	0.00
49) Acenaphthylene-d8	14.466	160	232646	32.338	ng/ul	0.00
54) 4-Nitrophenol-d4	14.936	143	8642m	8.486	ng/ul	0.00
60) Fluorene-d10	15.753	176	224971	37.304	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.853	200	50289	35.601	ng/ul	0.00
73) Anthracene-d10	17.598	188	460328	41.290	ng/ul	0.00
81) Pyrene-d10	19.866	212	621626	42.302	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.778	264	720543	42.568	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.869	113	20224m	36.989	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-12
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064885.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-30S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-12
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064885.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.847	3.8	JN
2	E966796	Total Alkanes	N/A	5.6	

EPA-designated Registry Number.

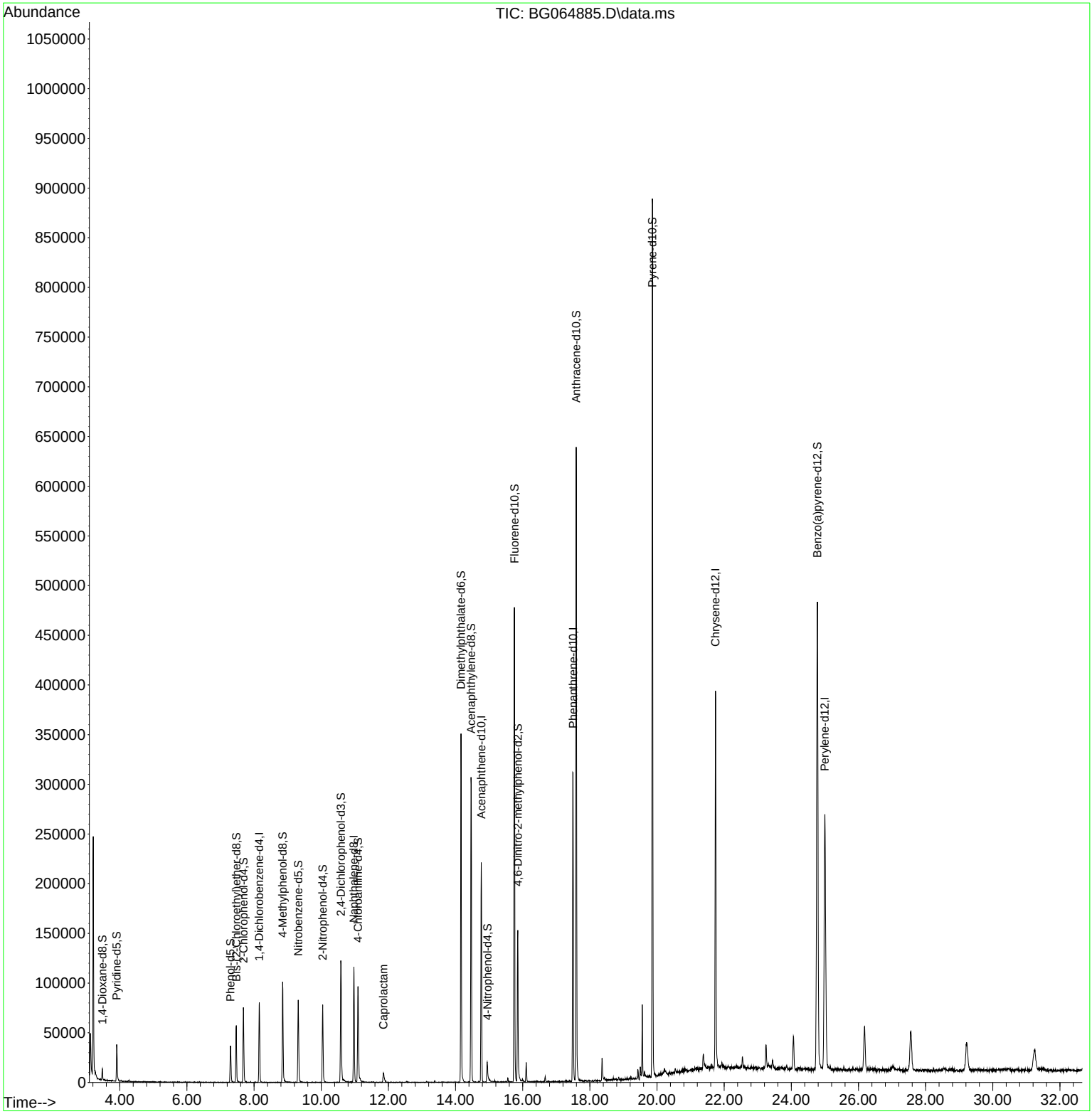
Quantitation Report (QT/LSC Reviewed)

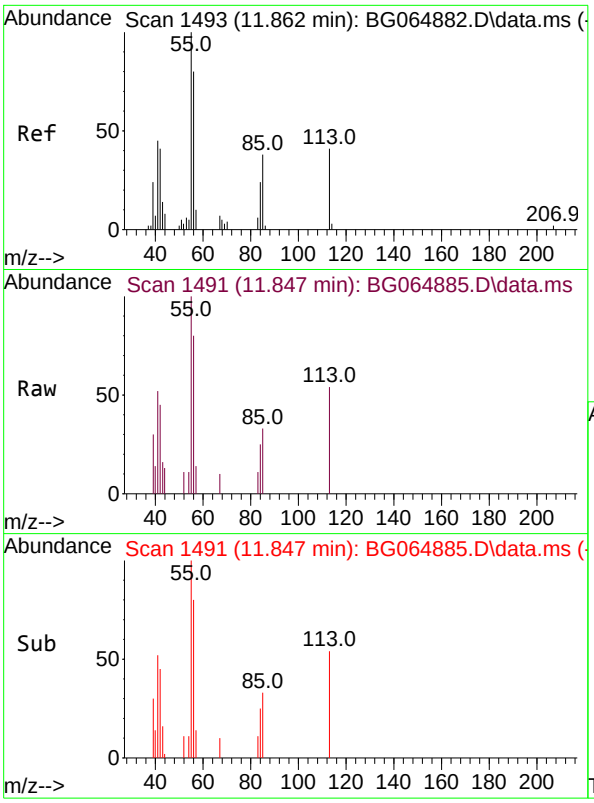
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 01 09:55:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

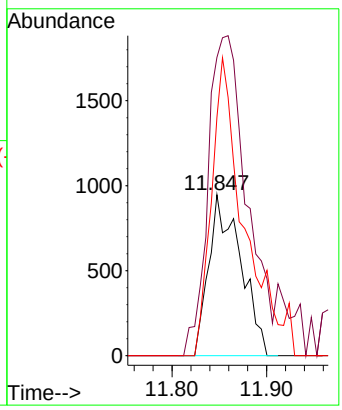




#34
Caprolactam
Concen: 3.783 ng/ul m
RT: 11.847 min Scan# 1491
Delta R.T. -0.021 min
Lab File: BG064885.D
Acq: 26 Nov 2025 12:16

Tgt Ion:113 Resp: 2217

Ion	Ratio	Lower	Upper
113	100		
55	185.3	187.9	281.9#
56	148.0	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 09:55:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	25416	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	97364	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	85215	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	222838	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	283553	20.000	ng/ul	# 0.00
88) Perylene-d12	24.997	264	315734	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	5339	8.326	ng/uL	0.00
4) Pyridine-d5	3.910	84	18029	10.204	ng/ul	0.00
7) Phenol-d5	7.300	99	22163	10.817	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	27973	21.347	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	36907	23.761	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	40157	22.741	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	20538	27.967	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	25439	29.165	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.584	165	55712	30.979	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	59513	25.890	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	261820	39.059	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	231042	32.185	ng/ul	0.00
54) 4-Nitrophenol-d4	14.950	143	8550m	8.413	ng/ul	0.00
60) Fluorene-d10	15.755	176	219957	36.552	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	47683	33.422	ng/ul	0.00
73) Anthracene-d10	17.594	188	433536	38.503	ng/ul	0.00
81) Pyrene-d10	19.862	212	571343	39.227	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.779	264	604453	36.286	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.847	113	2217m	3.783	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064885.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.128	3	7	16	rVB2	40683	66715	5.02%	0.593%
2	3.211	16	21	29	rBV	238858	327288	24.63%	2.907%
3	3.481	63	67	74	rVB3	11493	16778	1.26%	0.149%
4	3.910	135	140	153	rBV	36857	63743	4.80%	0.566%
5	7.300	710	717	728	rBV	37017	71638	5.39%	0.636%
6	7.470	739	746	753	rBV	57133	96902	7.29%	0.861%
7	7.682	776	782	791	rBV	75466	133767	10.07%	1.188%
8	8.158	853	863	876	rBB	80555	144809	10.90%	1.286%
9	8.851	974	981	988	rBV	101306	182683	13.75%	1.623%
10	8.939	993	996	1003	rVB2	972	1921	0.14%	0.017%
11	9.315	1053	1060	1070	rBV	82984	157119	11.82%	1.396%
12	10.044	1178	1184	1194	rBV2	77975	139669	10.51%	1.241%
13	10.584	1269	1276	1286	rBV	122425	238748	17.97%	2.121%
14	10.972	1333	1342	1353	rBV	116087	212532	15.99%	1.888%
15	11.095	1356	1363	1379	rVV	95799	197126	14.83%	1.751%
16	11.853	1485	1492	1507	rBV4	9785	27481	2.07%	0.244%
17	12.541	1607	1609	1615	rVB3	1255	2190	0.16%	0.019%
18	13.381	1749	1752	1757	rBV2	1754	2330	0.18%	0.021%
19	14.162	1879	1885	1902	rBV	350764	524393	39.46%	4.658%
20	14.462	1929	1936	1944	rBV	306915	508730	38.28%	4.519%
21	14.515	1944	1945	1951	rVB	1723	2085	0.16%	0.019%
22	14.768	1982	1988	1998	rVB	220739	351944	26.48%	3.126%
23	14.944	2013	2018	2027	rBV3	20108	46242	3.48%	0.411%
24	15.026	2031	2032	2037	rVB3	1681	1889	0.14%	0.017%
25	15.167	2053	2056	2062	rVB3	2315	2698	0.20%	0.024%
26	15.555	2119	2122	2127	rVV2	4079	5297	0.40%	0.047%
27	15.755	2149	2156	2167	rBV	477696	772502	58.13%	6.862%
28	15.855	2167	2173	2182	rBV	151433	248421	18.69%	2.207%
29	15.990	2194	2196	2201	rVB5	2461	2876	0.22%	0.026%
30	16.107	2211	2216	2221	rBV	19505	29855	2.25%	0.265%
31	16.671	2307	2312	2319	rVB2	5810	9078	0.68%	0.081%
32	17.494	2445	2452	2463	rBV	311355	501511	37.74%	4.455%
33	17.594	2463	2469	2484	rVB2	637611	997943	75.10%	8.865%
34	18.363	2594	2600	2610	rBV3	23328	39624	2.98%	0.352%
35	18.434	2610	2612	2618	rVV4	3817	7066	0.53%	0.063%
36	18.698	2655	2657	2661	rBV4	2831	2543	0.19%	0.023%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	18.863	2681	2685	2691	rVB5	3082	4773	0.36%	0.042%
38	19.174	2735	2738	2740	rBV3	1760	1866	0.14%	0.017%
39	19.221	2744	2746	2752	rVB5	3225	4525	0.34%	0.040%
40	19.433	2779	2782	2789	rVB3	10329	17316	1.30%	0.154%
41	19.503	2789	2794	2799	rBV3	13120	23623	1.78%	0.210%
42	19.562	2799	2804	2812	rVV	73268	93188	7.01%	0.828%
43	19.627	2812	2815	2823	rVB7	5184	8824	0.66%	0.078%
44	19.768	2836	2839	2840	rBV3	2124	1843	0.14%	0.016%
45	19.862	2849	2855	2865	rBV	884425	1328867	100.00%	11.805%
46	20.079	2890	2892	2895	rBV4	2086	2733	0.21%	0.024%
47	20.155	2901	2905	2906	rBV4	2806	2917	0.22%	0.026%
48	20.232	2916	2918	2921	rVB4	3525	3388	0.25%	0.030%
49	20.361	2939	2940	2943	rBV3	2244	2286	0.17%	0.020%
50	20.543	2968	2971	2975	rVV5	4567	7494	0.56%	0.067%
51	20.761	3007	3008	3010	rBV2	3458	2386	0.18%	0.021%
52	20.778	3010	3011	3014	rVB3	3869	2498	0.19%	0.022%
53	20.808	3014	3016	3018	rBV3	3639	2683	0.20%	0.024%
54	20.831	3018	3020	3022	rBV3	3347	2707	0.20%	0.024%
55	21.330	3103	3105	3106	rBV2	2153	1868	0.14%	0.017%
56	21.377	3109	3113	3119	rBV7	15172	33112	2.49%	0.294%
57	21.507	3134	3135	3137	rBV2	2853	2557	0.19%	0.023%
58	21.624	3153	3155	3158	rVB4	4745	3951	0.30%	0.035%
59	21.742	3168	3175	3187	rBV	378848	674453	50.75%	5.991%
60	22.200	3251	3253	3254	rBV2	3034	1937	0.15%	0.017%
61	22.547	3307	3312	3317	rVB2	10782	18240	1.37%	0.162%
62	23.181	3418	3420	3423	rBV4	2639	2559	0.19%	0.023%
63	23.246	3427	3431	3437	rVB2	22960	45433	3.42%	0.404%
64	23.440	3461	3464	3469	rVB7	7271	12786	0.96%	0.114%
65	24.063	3563	3570	3579	rVB2	33951	77747	5.85%	0.691%
66	24.204	3591	3594	3598	rBV5	3312	6476	0.49%	0.058%
67	24.444	3633	3635	3638	rBV4	2247	2596	0.20%	0.023%
68	24.515	3645	3647	3650	rVB2	3119	2335	0.18%	0.021%
69	24.621	3662	3665	3669	rBV4	3015	4010	0.30%	0.036%
70	24.668	3671	3673	3676	rBV4	2361	2891	0.22%	0.026%
71	24.779	3681	3692	3704	rBV	469406	1317987	99.18%	11.708%
72	25.003	3718	3730	3743	rBV	255807	835216	62.85%	7.419%
73	25.208	3763	3765	3767	rBV3	2249	2366	0.18%	0.021%
74	25.385	3793	3795	3798	rVB3	2222	1677	0.13%	0.015%
75	25.455	3805	3807	3808	rBV2	2348	2062	0.16%	0.018%
76	25.778	3860	3862	3863	rBV2	2045	1761	0.13%	0.016%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	26.043	3904	3907	3908	rBV3	2964	2434	0.18%	0.022%
78	26.184	3921	3931	3942	rVB2	44794	137573	10.35%	1.222%
79	26.348	3957	3959	3961	rBV3	3297	2693	0.20%	0.024%
80	26.472	3978	3980	3982	rBV3	3113	2909	0.22%	0.026%
81	26.495	3982	3984	3987	rVV3	3059	2820	0.21%	0.025%
82	26.965	4062	4064	4065	rBV	4113	2861	0.22%	0.025%
83	27.000	4068	4070	4072	rBV2	2612	2663	0.20%	0.024%
84	27.394	4136	4137	4139	rBV2	3977	2358	0.18%	0.021%
85	27.564	4153	4166	4177	rVB4	38978	141255	10.63%	1.255%
86	28.181	4267	4271	4274	rVV6	2228	3016	0.23%	0.027%
87	28.234	4278	4280	4283	rVB4	3007	3256	0.25%	0.029%
88	28.692	4357	4358	4361	rBV3	2731	1944	0.15%	0.017%
89	28.816	4377	4379	4382	rVB3	2708	2507	0.19%	0.022%
90	29.221	4437	4448	4465	rVB5	28182	122582	9.22%	1.089%
91	29.356	4470	4471	4475	rBV3	2446	2227	0.17%	0.020%
92	29.444	4484	4486	4487	rBV2	2223	1715	0.13%	0.015%
93	29.920	4565	4567	4569	rBV3	2430	1691	0.13%	0.015%
94	30.108	4595	4599	4600	rBV2	2647	2680	0.20%	0.024%
95	30.872	4725	4729	4730	rBV4	2259	2644	0.20%	0.023%
96	30.966	4743	4745	4748	rBV3	2649	2158	0.16%	0.019%
97	31.037	4755	4757	4760	rVB3	2761	1769	0.13%	0.016%
98	31.248	4782	4793	4808	rVB8	19898	96740	7.28%	0.859%
99	31.407	4816	4820	4823	rBV6	2757	4478	0.34%	0.040%
100	32.206	4955	4956	4960	rBV4	2863	4099	0.31%	0.036%

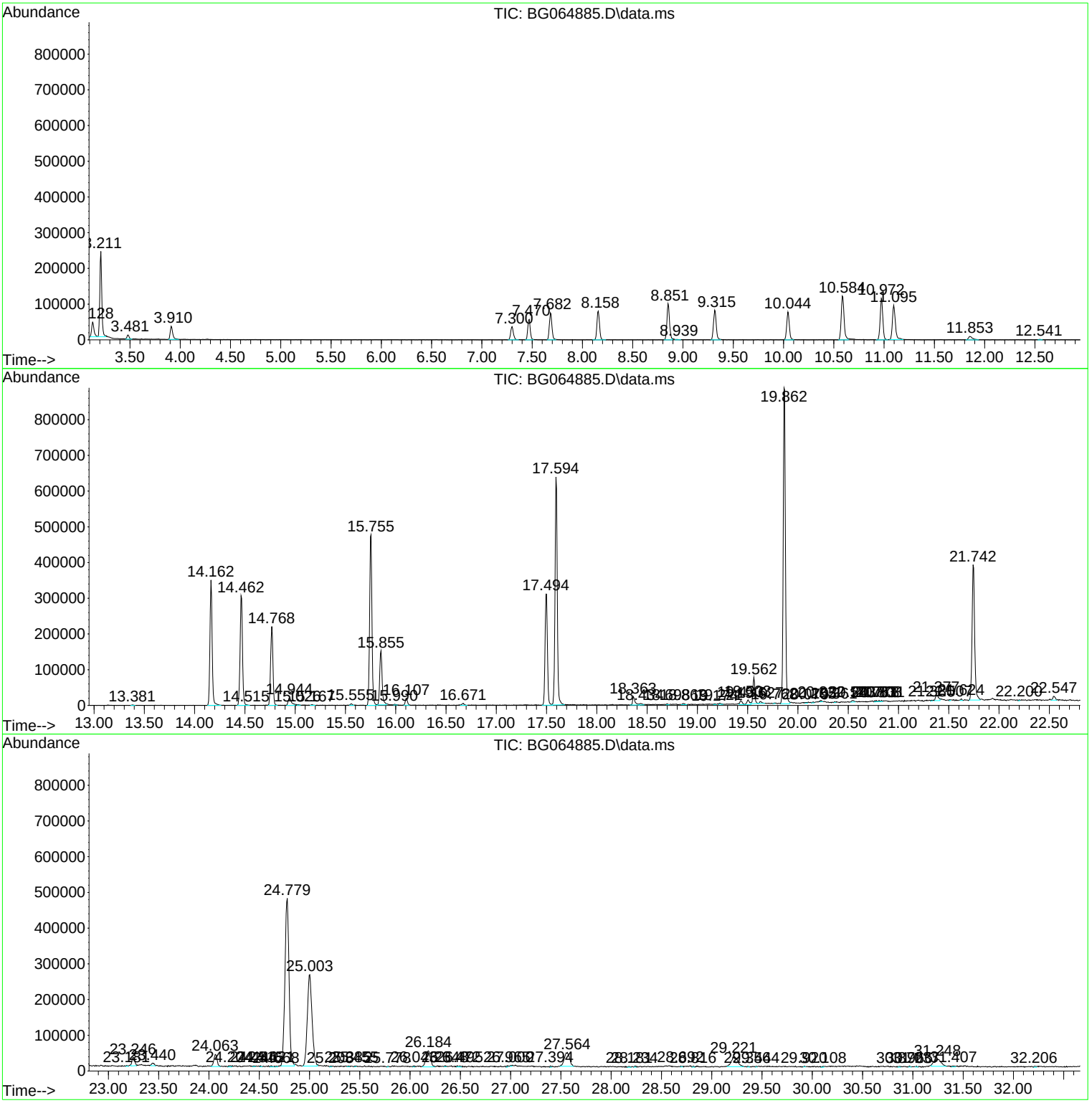
Sum of corrected areas: 11257145

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-30S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30S

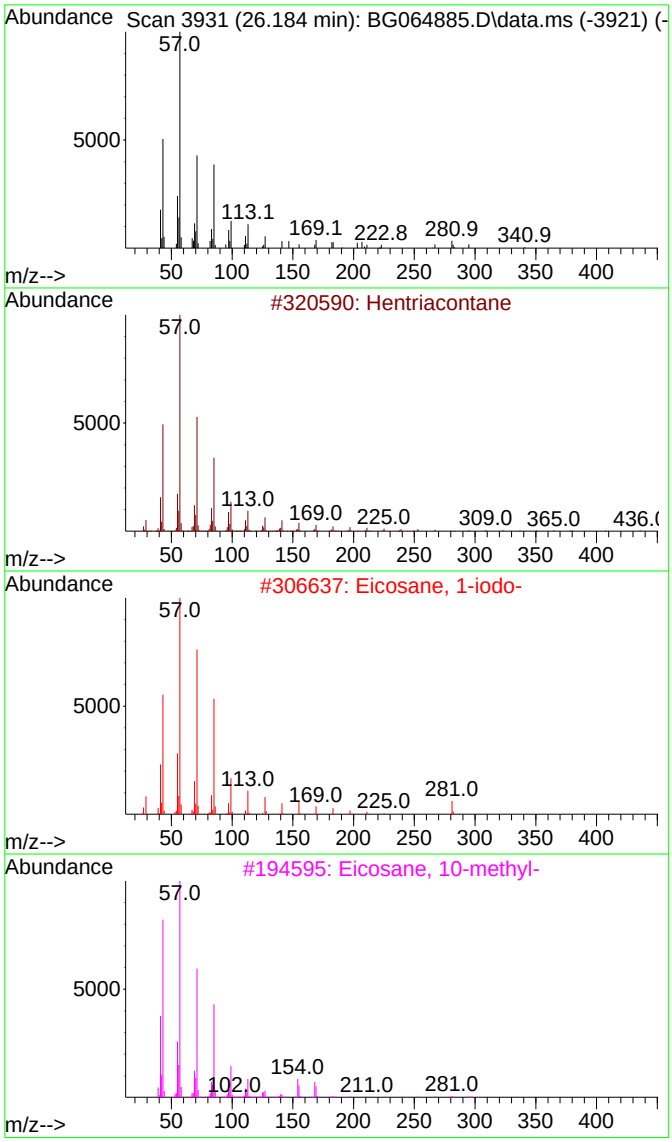
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

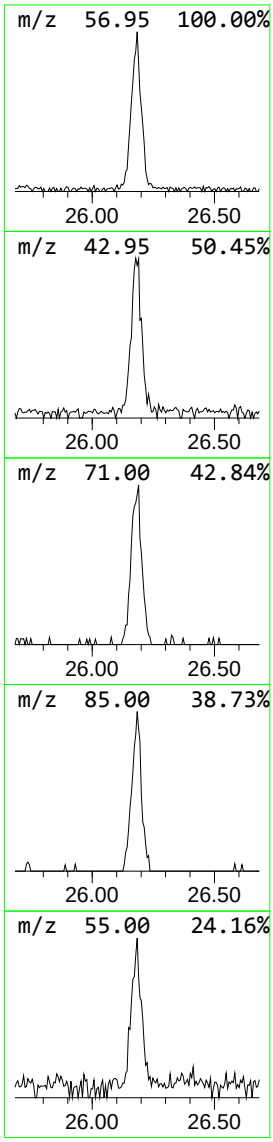
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.184	3.29 ng/ul	137573	Perylene-d12	24.997

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	87
2	Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	86
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
4	Tetracosane	338	C24H50	000646-31-1	83
5	Hexadecane	226	C16H34	000544-76-3	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30S

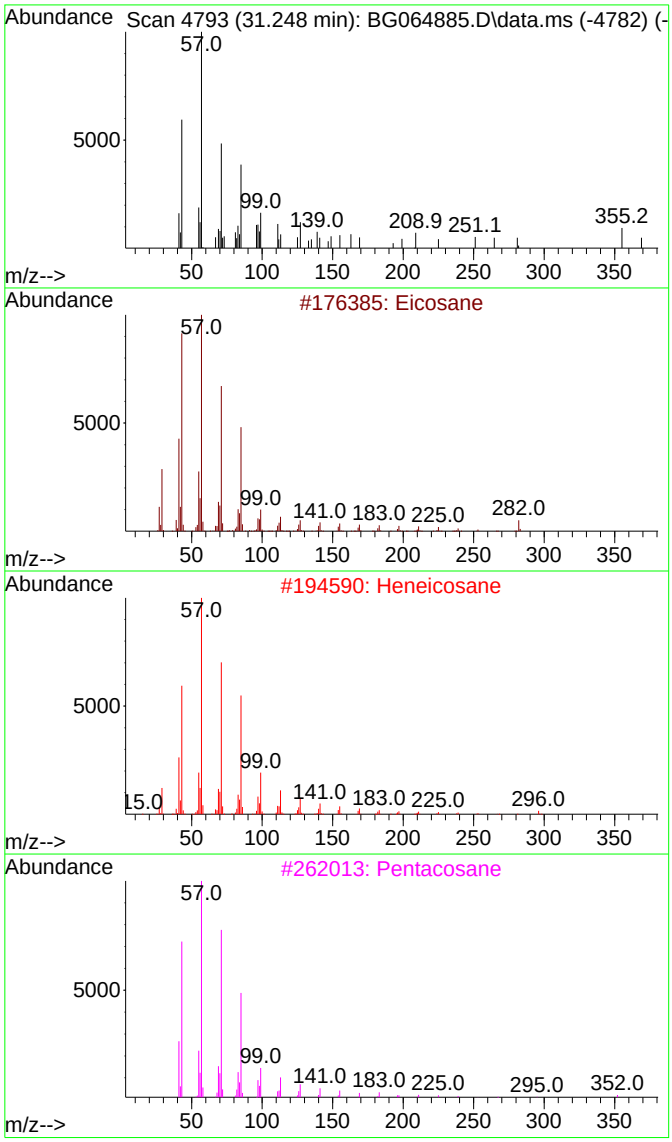
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

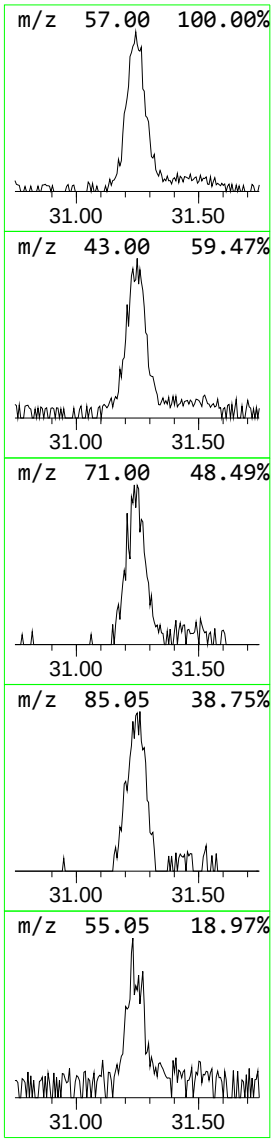
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.248	2.32 ng/ul	96740	Perylene-d12	24.997

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	92
2	Heneicosane	296	C21H44	000629-94-7	58
3	Pentacosane	352	C25H52	000629-99-2	58
4	Docosane, 11-decyl-	451	C32H66	055401-55-3	58
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-30S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

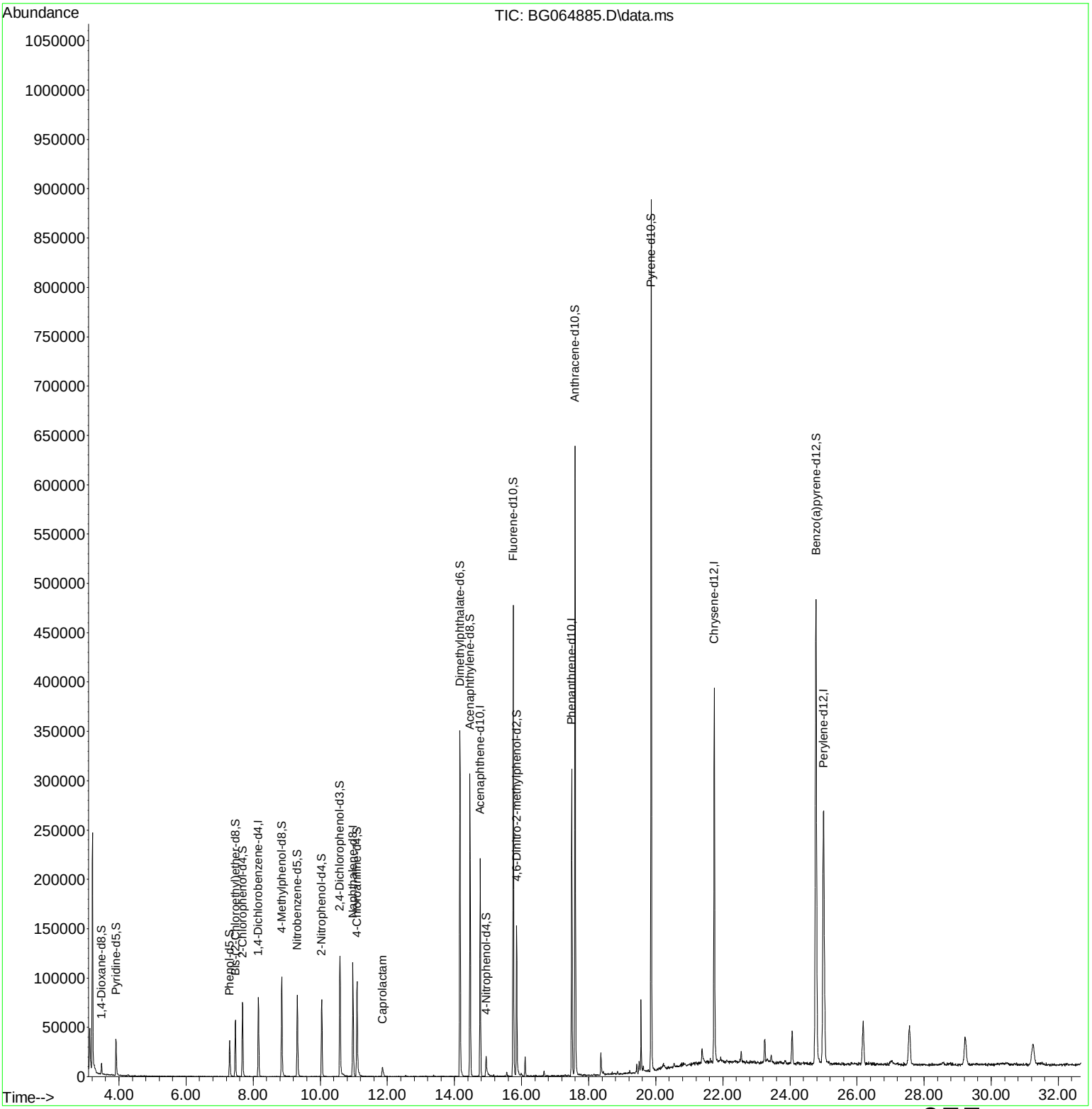
					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	26.184	3.3	ng/ul	137573	6	24.997	835216	20.0
(DEL) Alkane: S...	31.248	2.3	ng/ul	96740	6	24.997	835216	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 01 09:55:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



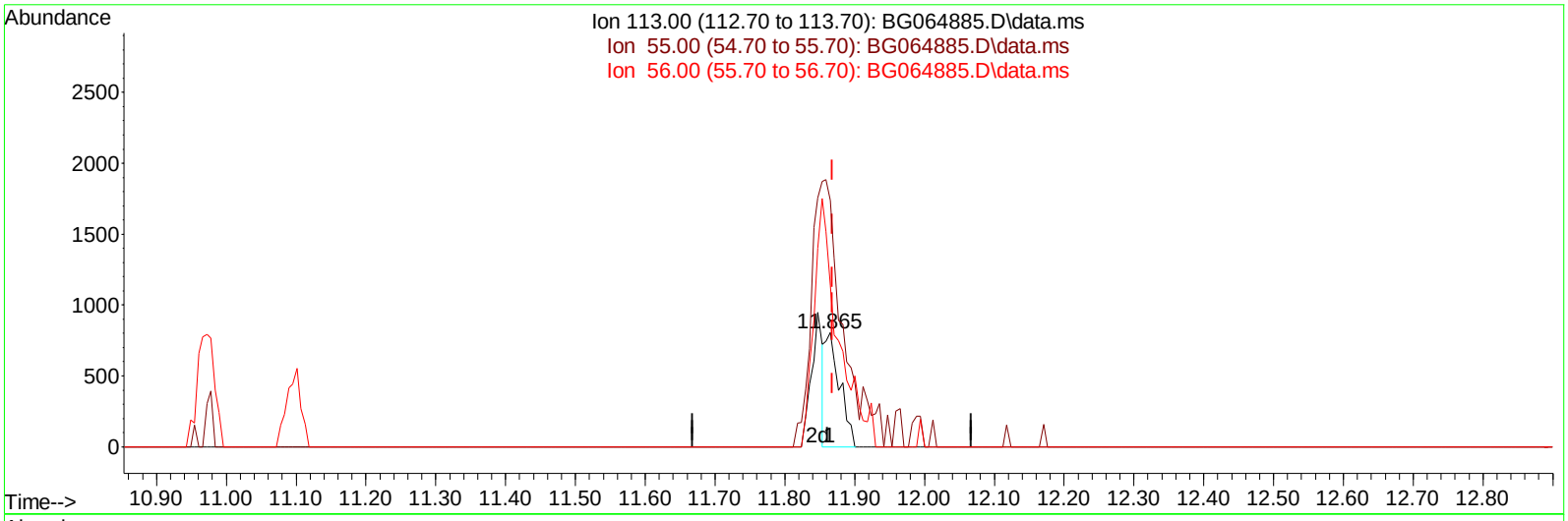
Quantitation Report (Qedit)

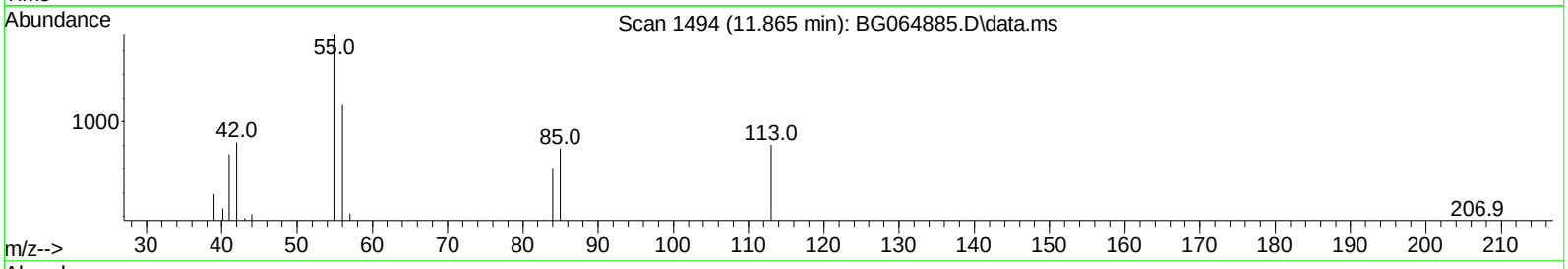
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Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

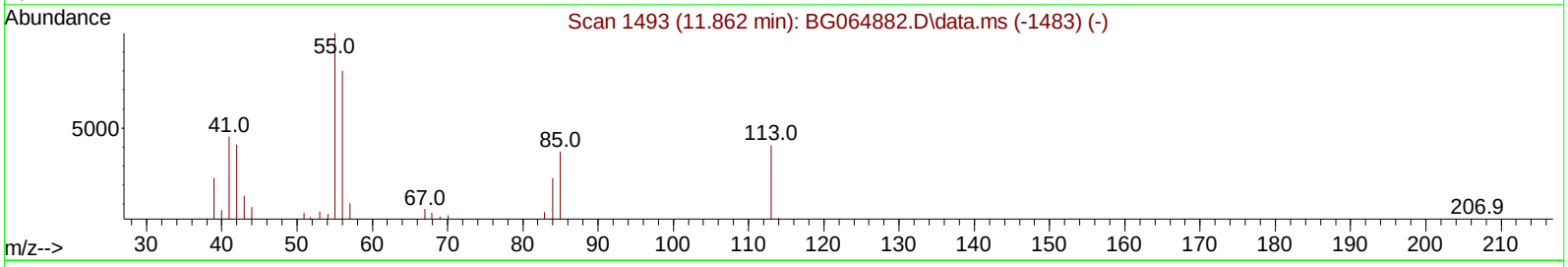
Quant Time: Dec 01 08:04:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
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TIC: BG064885.D\data.ms

(34) Caprolactam

11.865min (-0.003) 2.02 ng/ul

response 1183

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	215.63
56.00	159.40	141.19
0.00	0.00	0.00

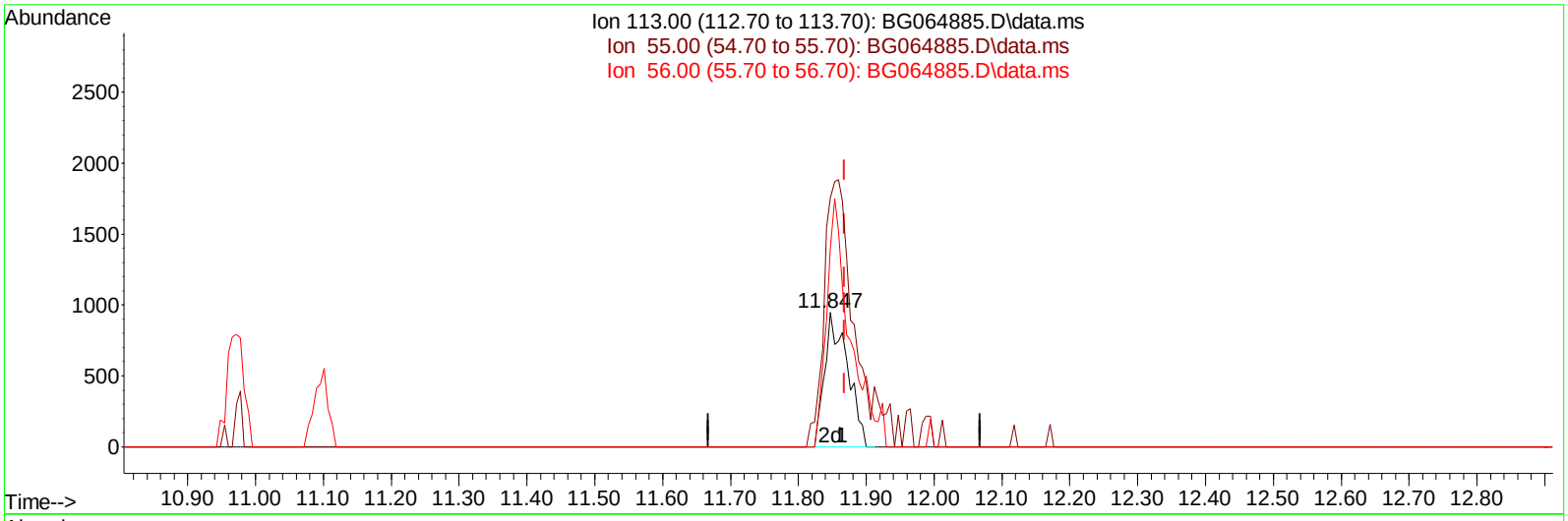
Quantitation Report (Qedit)

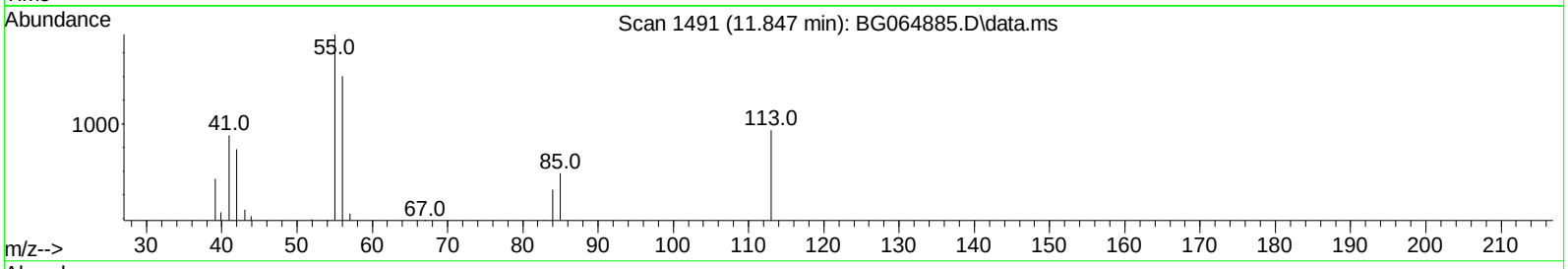
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

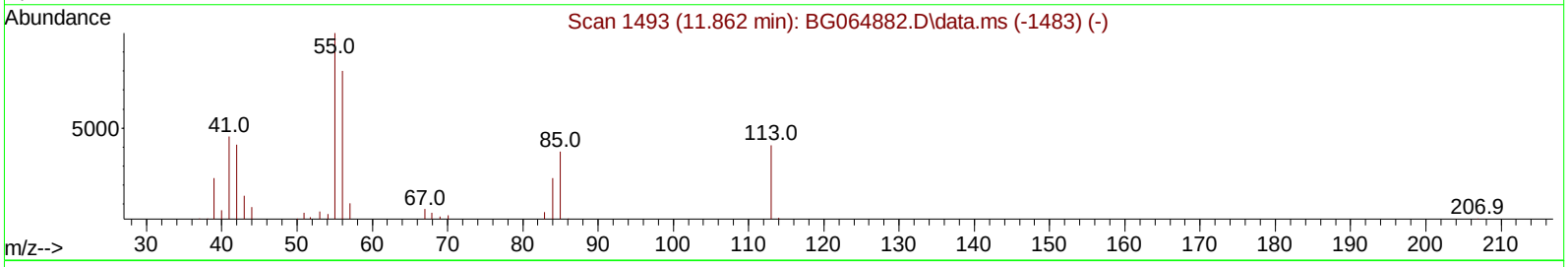
Quant Time: Dec 01 08:04:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064885.D\data.ms

(34) Caprolactam

11.847min (-0.021) 3.78 ng/ul m

response 2217

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	185.32#
56.00	159.40	148.05
0.00	0.00	0.00

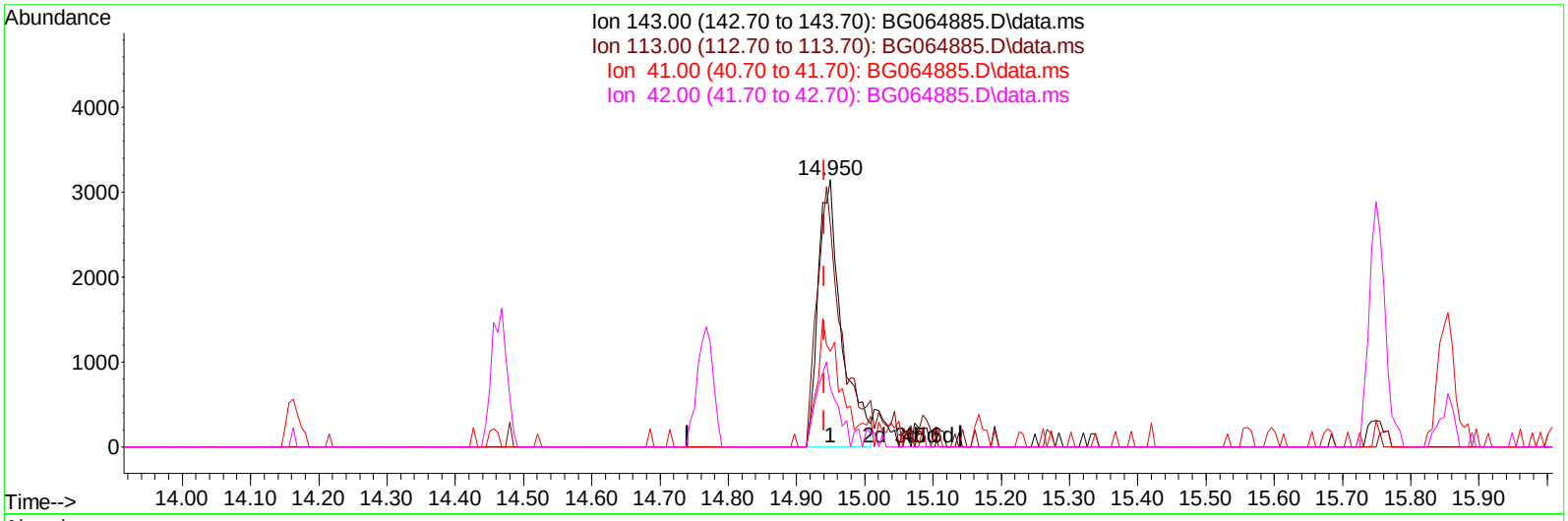
Quantitation Report (Qedit)

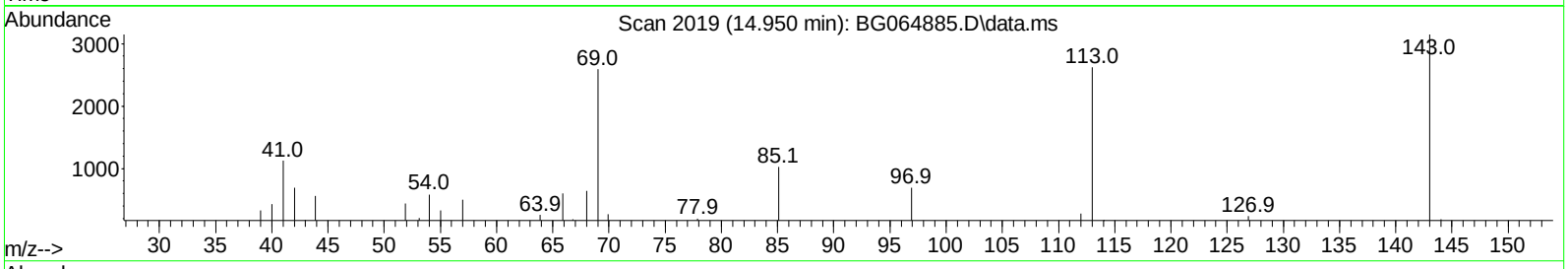
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

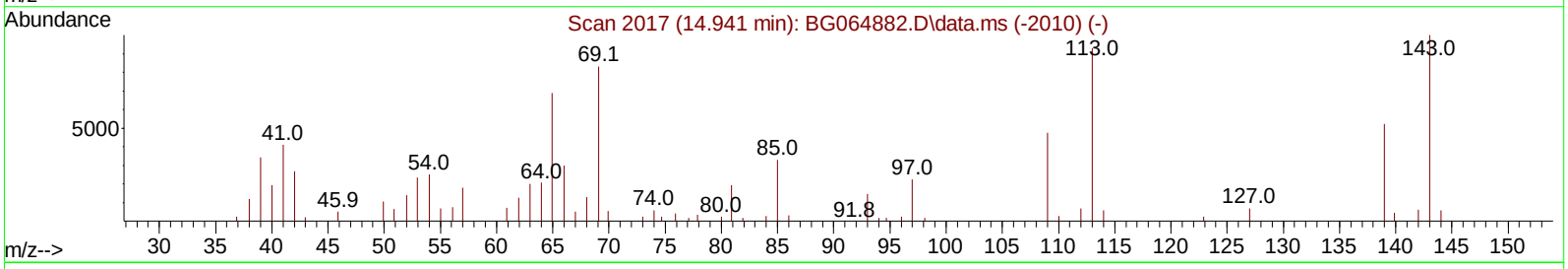
Quant Time: Dec 01 08:04:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064885.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.950min (+ 0.009) 7.39 ng/ul

response 7509

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	83.16
41.00	40.40	35.77
42.00	23.60	22.08

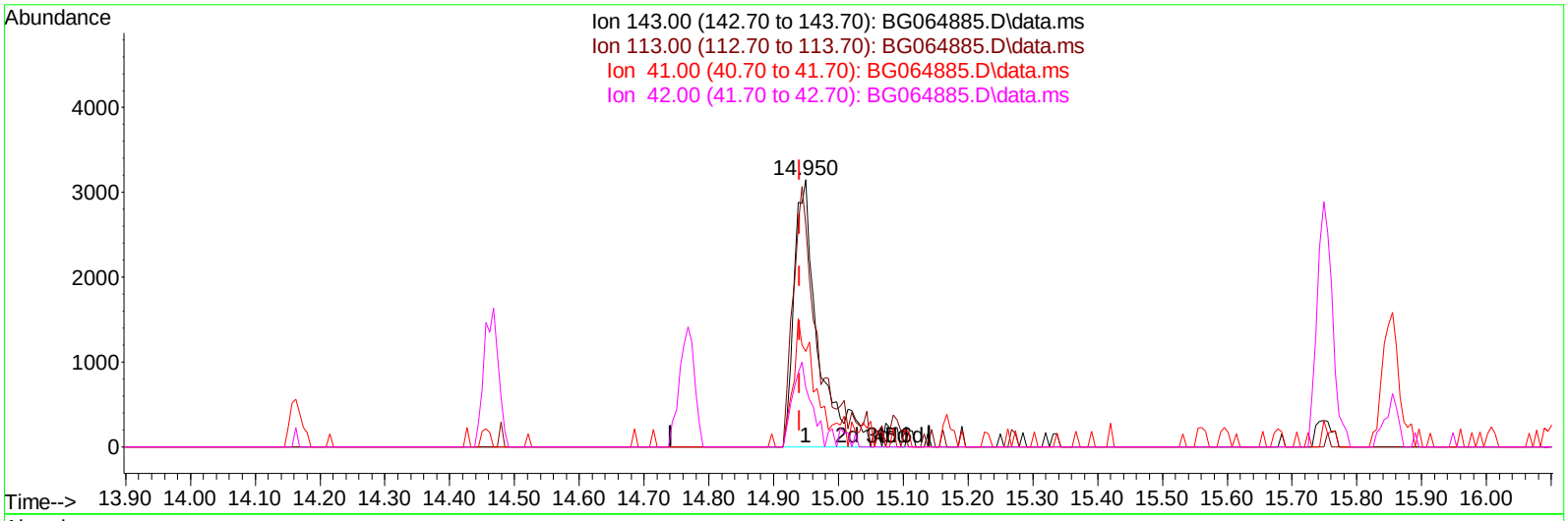
Quantitation Report (Qedit)

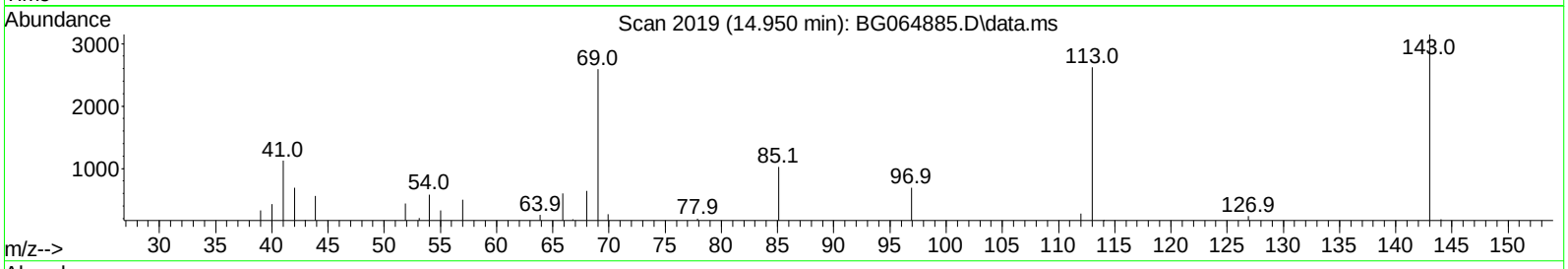
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Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

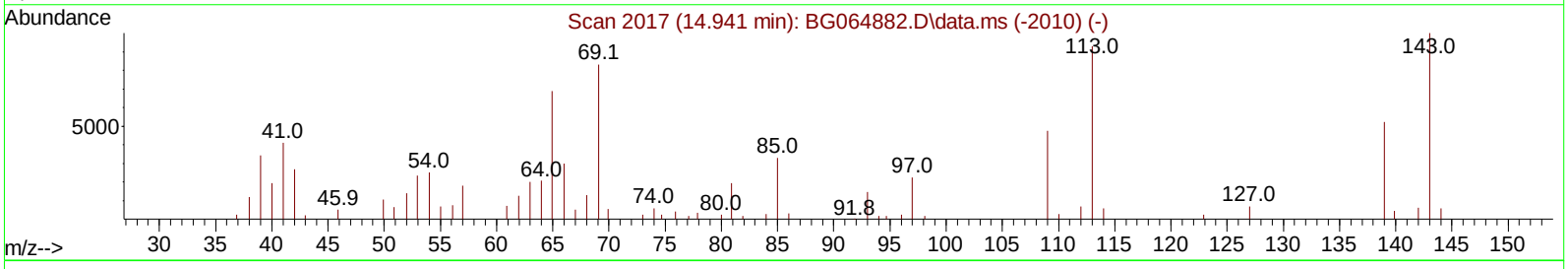
Quant Time: Dec 01 08:04:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064885.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.950min (+ 0.009) 8.41 ng/ul m

response 8550

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	83.16
41.00	40.40	35.77
42.00	23.60	22.08

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064885.D
Acq On : 26 Nov 2025 12:16
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 01 09:55:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-30S

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	25416	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	97364	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	85215	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	222838	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	283553	20.000	ng/ul	# 0.00
88) Perylene-d12	24.997	264	315734	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	5339	8.326	ng/uL	0.00
4) Pyridine-d5	3.910	84	18029	10.204	ng/ul	0.00
7) Phenol-d5	7.300	99	22163	10.817	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	27973	21.347	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	36907	23.761	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	40157	22.741	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	20538	27.967	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	25439	29.165	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.584	165	55712	30.979	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	59513	25.890	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	261820	39.059	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	231042	32.185	ng/ul	0.00
54) 4-Nitrophenol-d4	14.950	143	8550m	8.413	ng/ul	0.00
60) Fluorene-d10	15.755	176	219957	36.552	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	47683	33.422	ng/ul	0.00
73) Anthracene-d10	17.594	188	433536	38.503	ng/ul	0.00
81) Pyrene-d10	19.862	212	571343	39.227	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.779	264	604453	36.286	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.847	113	2217m	3.783	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-09
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064864.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-31I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-09
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064864.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/25/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.872	3.6	JN
2	000119-61-9	Benzophenone	16.102	2.6	JN
3	E966796	Total Alkanes	N/A	0.0	

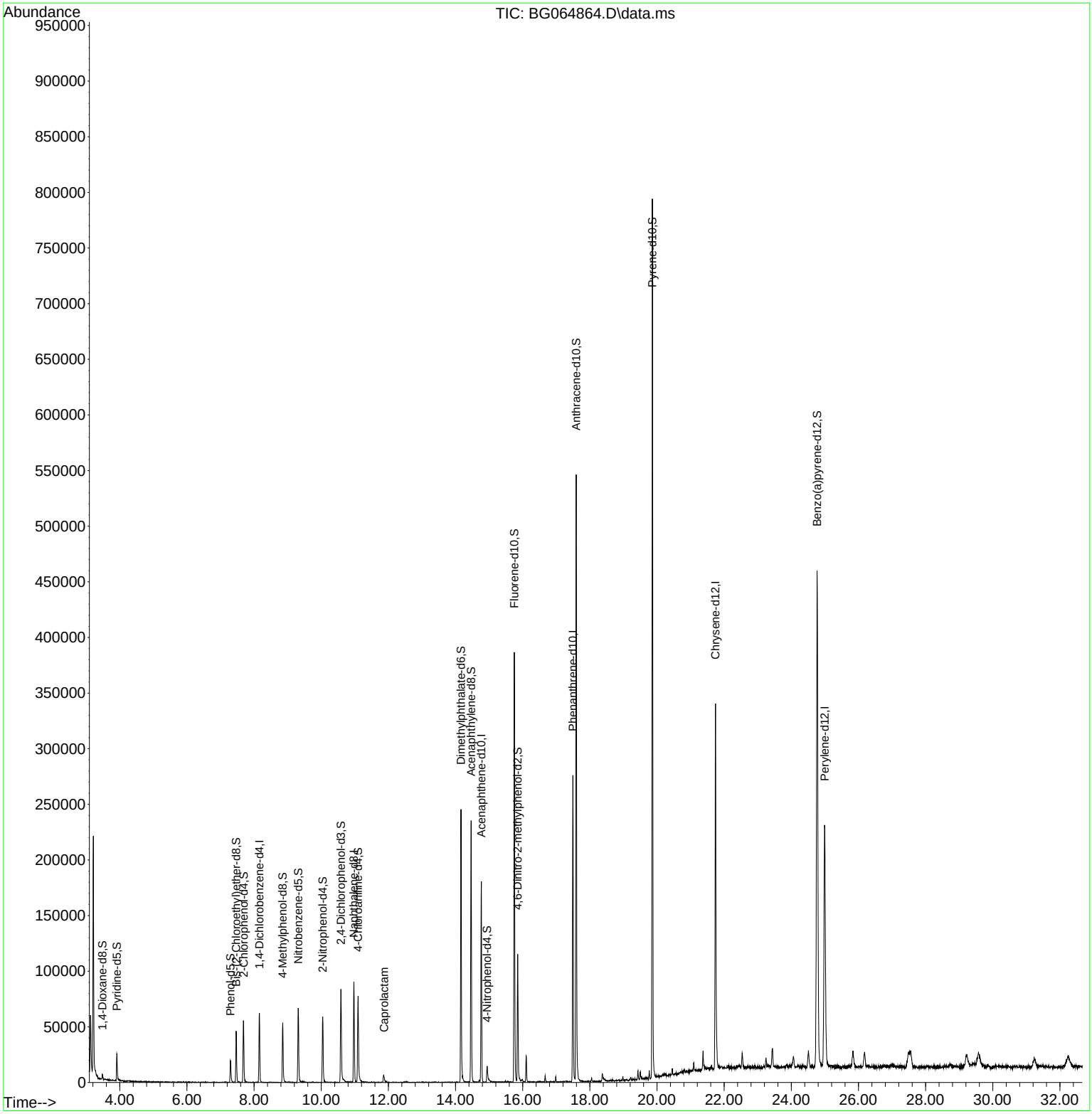
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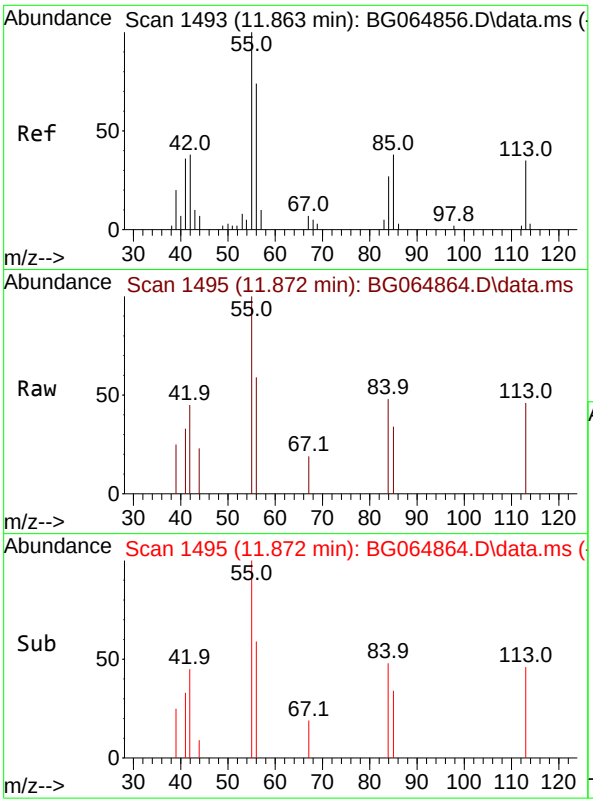
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 17:54:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

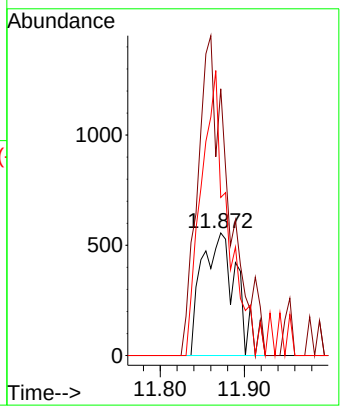




#34
Caprolactam
Concen: 3.549 ng/ul m
RT: 11.872 min Scan# 1495
Delta R.T. 0.004 min
Lab File: BG064864.D
Acq: 25 Nov 2025 17:17

Tgt Ion:113 Resp: 1624

Ion	Ratio	Lower	Upper
113	100		
55	217.6	187.9	281.9
56	129.0	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:54:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	19889	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	76023	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	72250	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	188875	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.743	240	246609	20.000	ng/ul	# 0.00
88) Perylene-d12	24.992	264	275577	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	2277	4.538	ng/uL	0.00
4) Pyridine-d5	3.916	84	11945	8.639	ng/ul	0.00
7) Phenol-d5	7.295	99	12730	7.940	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	23546	22.962	ng/ul	0.00
11) 2-Chlorophenol-d4	7.688	132	28389	23.356	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	22312	16.146	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	16507	28.788	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	21017	30.859	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	38418	27.359	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	48274m	26.896	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	187814	33.047	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	175485	28.832	ng/ul	0.00
54) 4-Nitrophenol-d4	14.939	143	6811m	7.905	ng/ul	0.00
60) Fluorene-d10	15.750	176	172527	33.815	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.849	200	37359	30.895	ng/ul	0.00
73) Anthracene-d10	17.594	188	370880	38.861	ng/ul	0.00
81) Pyrene-d10	19.862	212	513500	40.538	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.768	264	572487	39.375	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.872	113	1624m	3.549	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064864.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.129	3	7	15	rVB2	50317	89487	7.24%	1.000%
2	3.211	15	21	32	rVB	211547	305928	24.74%	3.419%
3	3.482	61	67	72	rVB4	5128	8874	0.72%	0.099%
4	3.911	136	140	146	rBV	24371	39951	3.23%	0.447%
5	3.981	151	152	157	rVB3	988	1360	0.11%	0.015%
6	4.087	167	170	175	rVB2	1151	2102	0.17%	0.023%
7	7.295	710	716	725	rBV2	19703	37728	3.05%	0.422%
8	7.465	739	745	754	rBV	46265	82403	6.66%	0.921%
9	7.683	775	782	789	rBV	55660	103629	8.38%	1.158%
10	7.730	789	790	794	rVB3	1776	1546	0.13%	0.017%
11	8.158	857	863	872	rBV2	62275	111053	8.98%	1.241%
12	8.852	975	981	993	rBV2	53563	99844	8.08%	1.116%
13	9.316	1053	1060	1070	rBV	66957	126893	10.26%	1.418%
14	10.045	1178	1184	1192	rBV	58932	110653	8.95%	1.237%
15	10.097	1192	1193	1198	rVB	1709	1322	0.11%	0.015%
16	10.585	1269	1276	1287	rBV2	83901	167339	13.53%	1.870%
17	10.973	1335	1342	1354	rBV	90282	163234	13.20%	1.824%
18	11.096	1356	1363	1375	rVV	77227	156263	12.64%	1.747%
19	11.860	1486	1493	1502	rBV5	6471	16056	1.30%	0.179%
20	12.547	1609	1610	1615	rVB2	1152	1306	0.11%	0.015%
21	14.163	1878	1885	1902	rBV	245353	390099	31.55%	4.360%
22	14.463	1929	1936	1947	rBV2	235044	384777	31.12%	4.301%
23	14.539	1947	1949	1953	rVB2	1088	1397	0.11%	0.016%
24	14.710	1971	1978	1981	rBV	1983	3380	0.27%	0.038%
25	14.768	1981	1988	1997	rVB	180275	287214	23.23%	3.210%
26	14.939	2012	2017	2034	rBV4	14241	36846	2.98%	0.412%
27	15.485	2107	2110	2114	rVB2	1664	2009	0.16%	0.022%
28	15.550	2118	2121	2128	rBV4	1073	1969	0.16%	0.022%
29	15.750	2148	2155	2166	rBV	386322	611216	49.43%	6.831%
30	15.849	2166	2172	2181	rBV	113960	183839	14.87%	2.055%
31	15.985	2193	2195	2199	rVB3	1910	2199	0.18%	0.025%
32	16.102	2209	2215	2223	rBV	23490	36644	2.96%	0.410%
33	16.666	2307	2311	2315	rBV3	5808	7961	0.64%	0.089%
34	16.983	2360	2365	2369	rBV3	4749	5513	0.45%	0.062%
35	17.495	2445	2452	2463	rBV2	275424	419119	33.90%	4.684%
36	17.594	2463	2469	2489	rVB	545358	864859	69.95%	9.666%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	18.053	2542	2547	2554	rBV2	3275	4651	0.38%	0.052%
38	18.370	2597	2601	2607	rVV6	7198	13791	1.12%	0.154%
39	18.411	2607	2608	2611	rVV3	2847	2903	0.23%	0.032%
40	18.441	2611	2613	2618	rVB3	1362	2008	0.16%	0.022%
41	18.852	2679	2683	2685	rBV3	908	1355	0.11%	0.015%
42	18.981	2702	2705	2710	rVB3	3837	4750	0.38%	0.053%
43	19.057	2717	2718	2723	rBV3	1051	1823	0.15%	0.020%
44	19.175	2734	2738	2739	rBV2	1320	1431	0.12%	0.016%
45	19.216	2739	2745	2751	rVB4	3128	6001	0.49%	0.067%
46	19.345	2766	2767	2769	rBV	2061	1375	0.11%	0.015%
47	19.398	2773	2776	2778	rVV2	1138	1388	0.11%	0.016%
48	19.434	2778	2782	2788	rVV3	8269	12642	1.02%	0.141%
49	19.504	2790	2794	2798	rVV2	7066	10758	0.87%	0.120%
50	19.663	2819	2821	2822	rBV2	1763	1397	0.11%	0.016%
51	19.768	2836	2839	2846	rBV4	7676	9785	0.79%	0.109%
52	19.862	2848	2855	2864	rBV	790272	1171798	94.77%	13.097%
53	20.045	2884	2886	2889	rVB3	2356	2129	0.17%	0.024%
54	20.162	2901	2906	2908	rBV3	2281	3197	0.26%	0.036%
55	20.456	2954	2956	2959	rVB4	5477	5012	0.41%	0.056%
56	20.509	2963	2965	2967	rBV3	1473	1489	0.12%	0.017%
57	20.785	3010	3012	3013	rBV2	2455	1917	0.16%	0.021%
58	20.803	3013	3015	3017	rBV3	2288	2296	0.19%	0.026%
59	20.967	3041	3043	3045	rBV3	2879	2249	0.18%	0.025%
60	20.991	3045	3047	3049	rBV3	2110	2239	0.18%	0.025%
61	21.096	3062	3065	3070	rVB6	7116	8963	0.72%	0.100%
62	21.372	3108	3112	3115	rBV4	14777	17739	1.43%	0.198%
63	21.425	3119	3121	3122	rBV	2084	1346	0.11%	0.015%
64	21.743	3168	3175	3188	rBV	328120	600446	48.56%	6.711%
65	22.171	3246	3248	3250	rBV3	2152	1726	0.14%	0.019%
66	22.218	3254	3256	3257	rVB	3000	1641	0.13%	0.018%
67	22.301	3268	3270	3273	rVB4	2895	2875	0.23%	0.032%
68	22.536	3306	3310	3317	rVB7	12764	22835	1.85%	0.255%
69	22.900	3370	3372	3373	rBV2	2629	1475	0.12%	0.016%
70	23.000	3387	3389	3392	rVB3	2757	2075	0.17%	0.023%
71	23.247	3427	3431	3435	rVB5	8285	14353	1.16%	0.160%
72	23.441	3457	3464	3469	rVB8	16312	36745	2.97%	0.411%
73	24.063	3566	3570	3577	rVB7	9355	21113	1.71%	0.236%
74	24.510	3639	3646	3654	rBV8	14856	37096	3.00%	0.415%
75	24.768	3679	3690	3707	rBV	444320	1236439	100.00%	13.819%
76	24.992	3718	3728	3743	rVB2	215154	654624	52.94%	7.317%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	25.397	3795	3797	3799	rBV3	2505	2295	0.19%	0.026%
78	25.591	3828	3830	3831	rBV2	2468	1535	0.12%	0.017%
79	25.644	3837	3839	3840	rVB2	3019	1413	0.11%	0.016%
80	25.838	3865	3872	3879	rBV2	12998	33514	2.71%	0.375%
81	26.184	3923	3931	3941	rVB5	13142	38318	3.10%	0.428%
82	26.643	4007	4009	4010	rBV2	2296	1568	0.13%	0.018%
83	26.854	4043	4045	4048	rBV4	3261	2874	0.23%	0.032%
84	26.925	4055	4057	4060	rBV4	2954	3537	0.29%	0.040%
85	27.030	4073	4075	4077	rVB2	3295	2589	0.21%	0.029%
86	27.048	4077	4078	4080	rBV2	2896	2226	0.18%	0.025%
87	27.424	4140	4142	4143	rBV	2599	2076	0.17%	0.023%
88	27.489	4147	4153	4155	rBV6	9087	18959	1.53%	0.212%
89	28.100	4255	4257	4261	rBV4	2090	2028	0.16%	0.023%
90	28.129	4261	4262	4264	rBV2	2069	1405	0.11%	0.016%
91	28.264	4283	4285	4287	rVB2	3151	2431	0.20%	0.027%
92	28.405	4307	4309	4311	rVB3	2432	1857	0.15%	0.021%
93	28.540	4330	4332	4335	rBV3	3058	2841	0.23%	0.032%
94	29.204	4439	4445	4447	rBV6	8204	14728	1.19%	0.165%
95	29.528	4498	4500	4501	rBV2	4464	2534	0.20%	0.028%
96	30.609	4681	4684	4686	rBV2	2757	3281	0.27%	0.037%
97	31.202	4783	4785	4787	rBV3	3356	3714	0.30%	0.042%
98	31.355	4809	4811	4813	rVB3	2338	1630	0.13%	0.018%
99	31.790	4883	4885	4886	rBV2	2266	1753	0.14%	0.020%
100	32.095	4935	4937	4938	rBV2	2908	2086	0.17%	0.023%

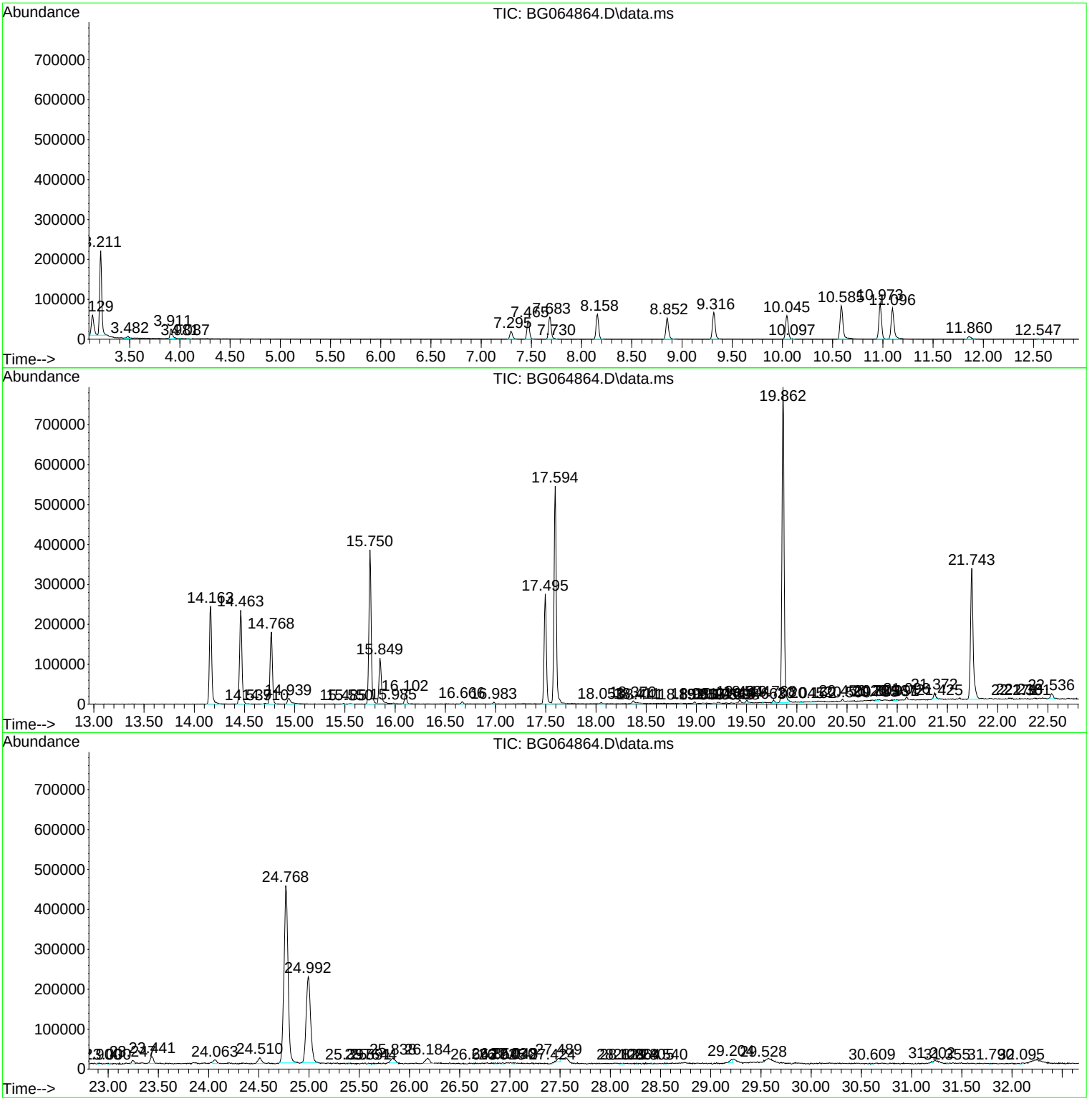
Sum of corrected areas: 8947079

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

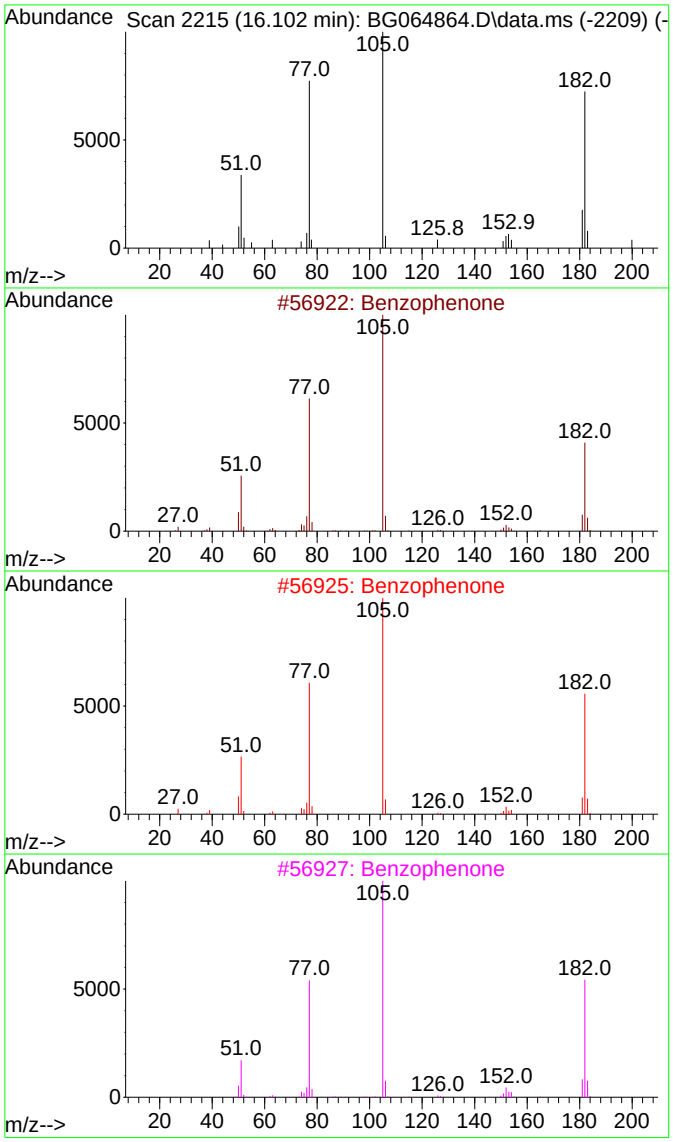
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

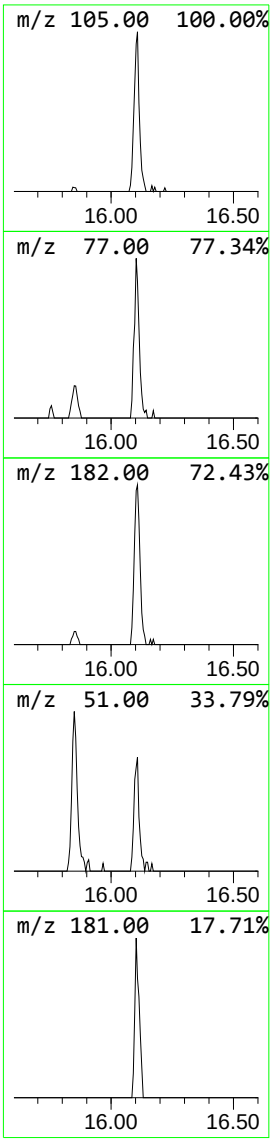
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Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.102	2.55 ng/ul	36644	Acenaphthene-d10	14.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	Benzophenone	182	C13H10O	000119-61-9	90
3	Benzophenone	182	C13H10O	000119-61-9	90
4	Benzophenone	182	C13H10O	000119-61-9	86
5	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

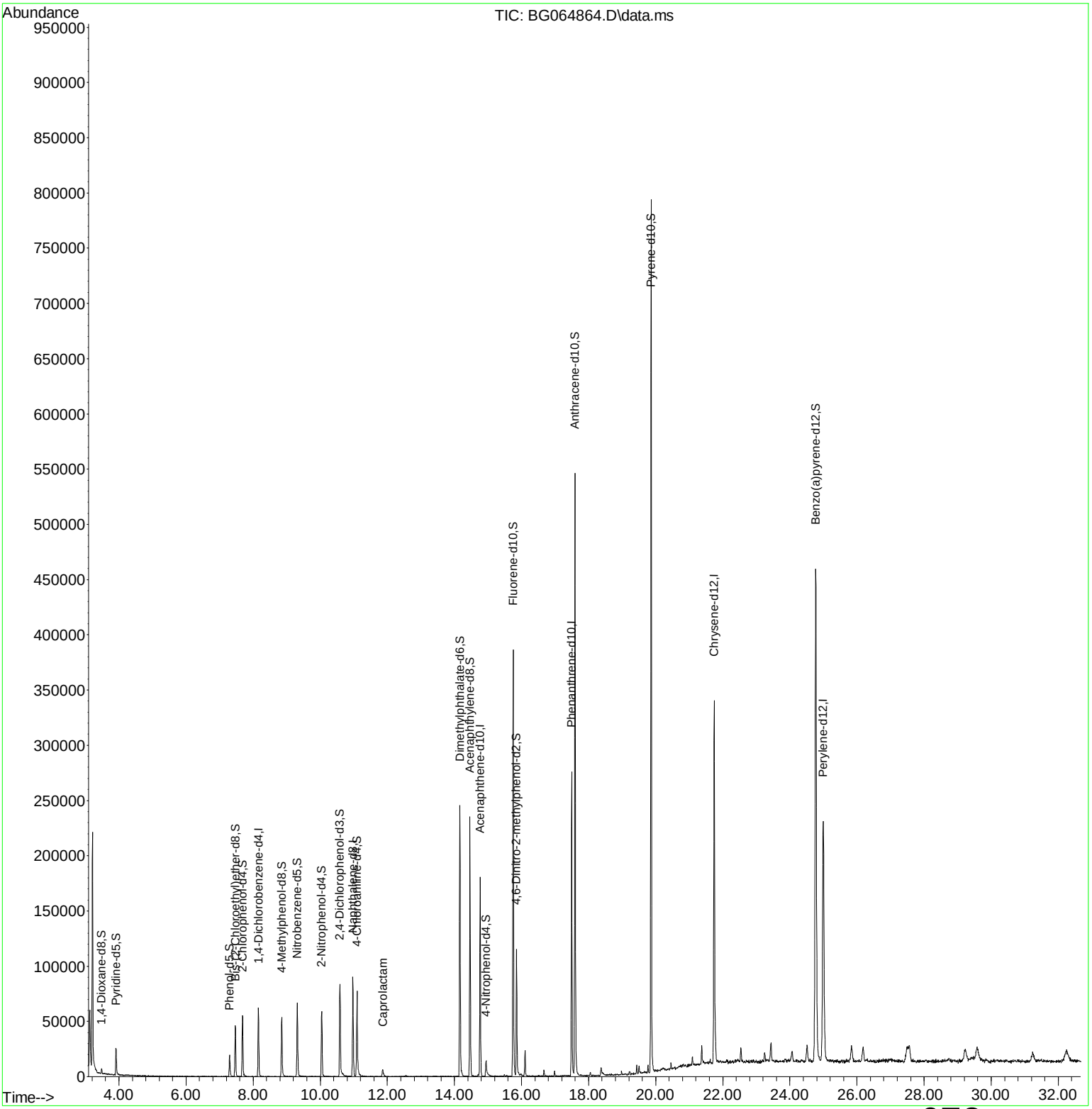
					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.102	2.5	ng/ul	36644	3	14.768	287214	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 17:54:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



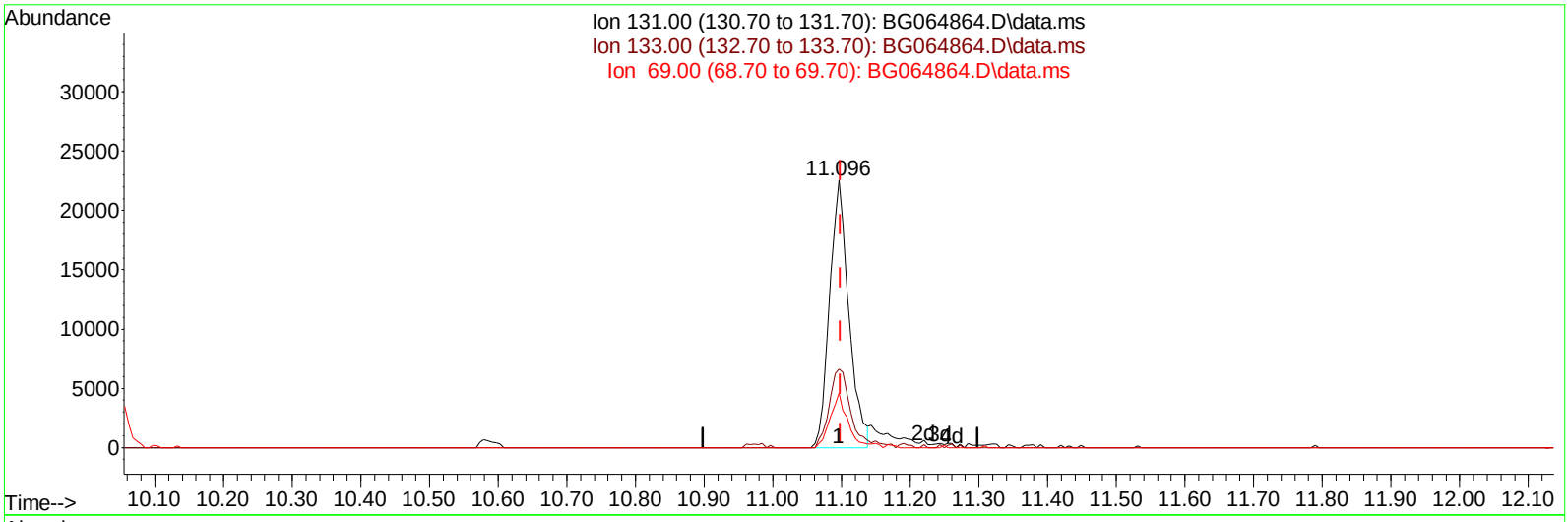
Quantitation Report (Qedit)

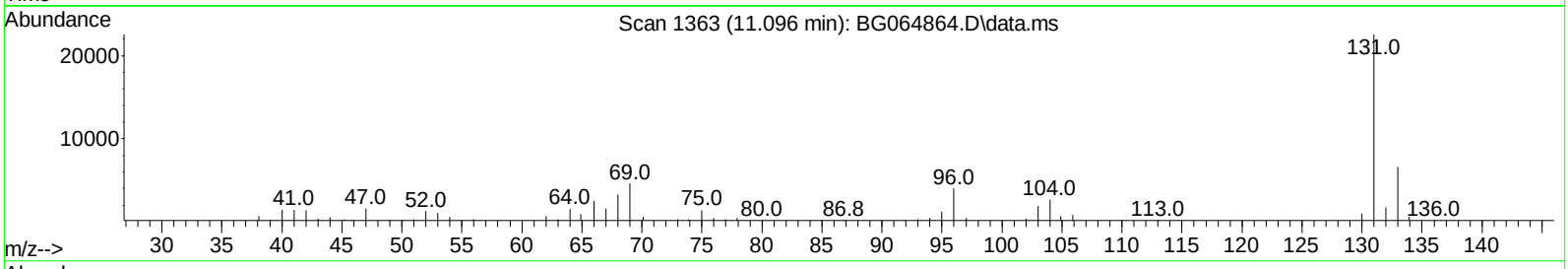
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Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

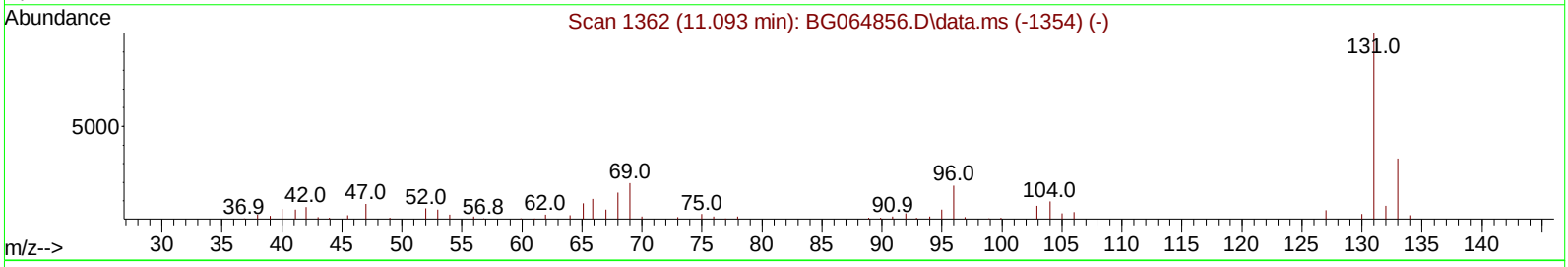
Quant Time: Nov 25 17:52:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064864.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.096min (-0.002) 24.51 ng/ul

response 43992

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	29.46
69.00	15.70	20.39#
0.00	0.00	0.00

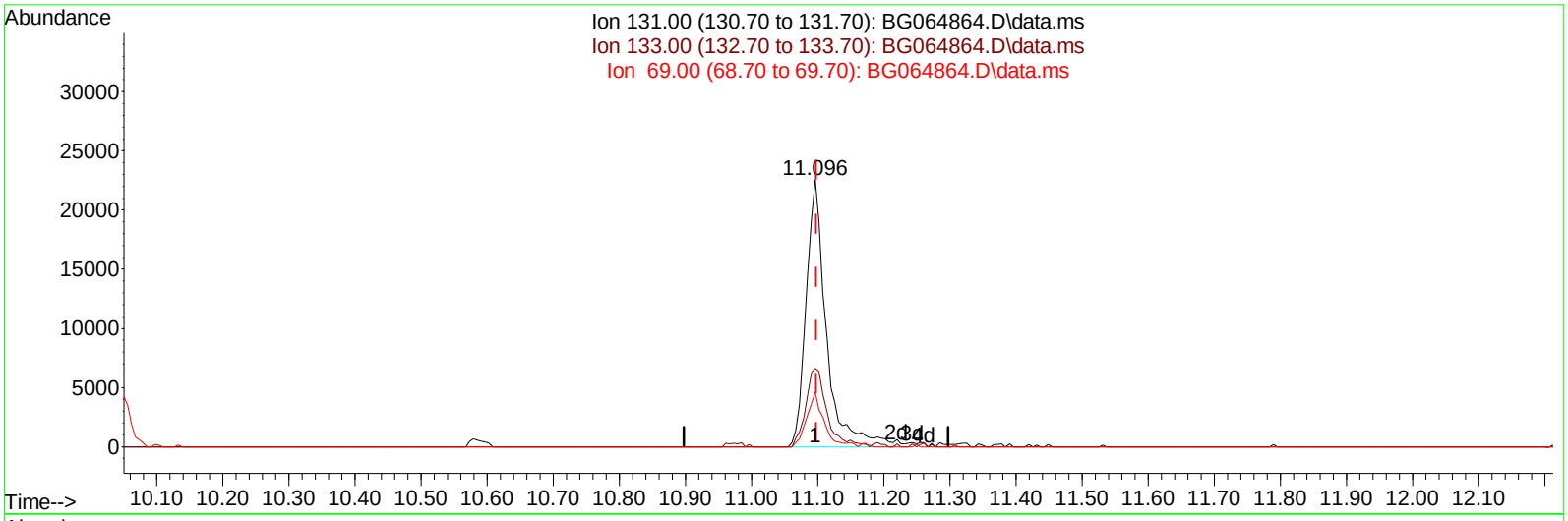
Quantitation Report (Qedit)

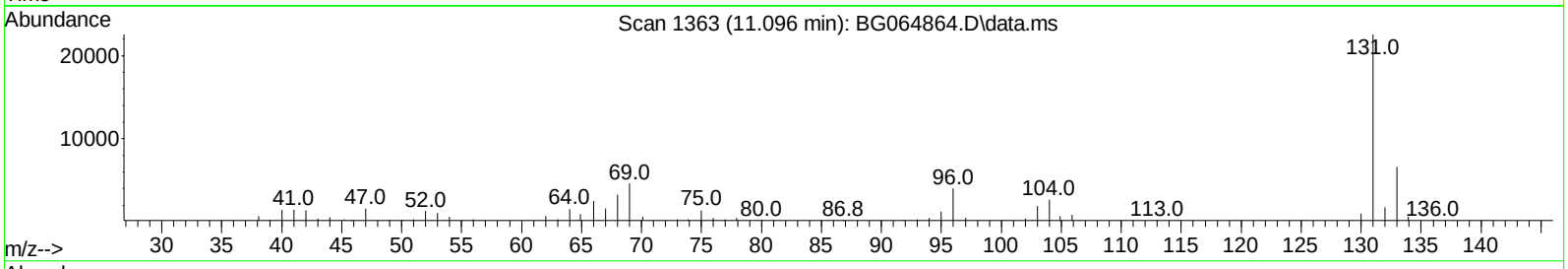
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

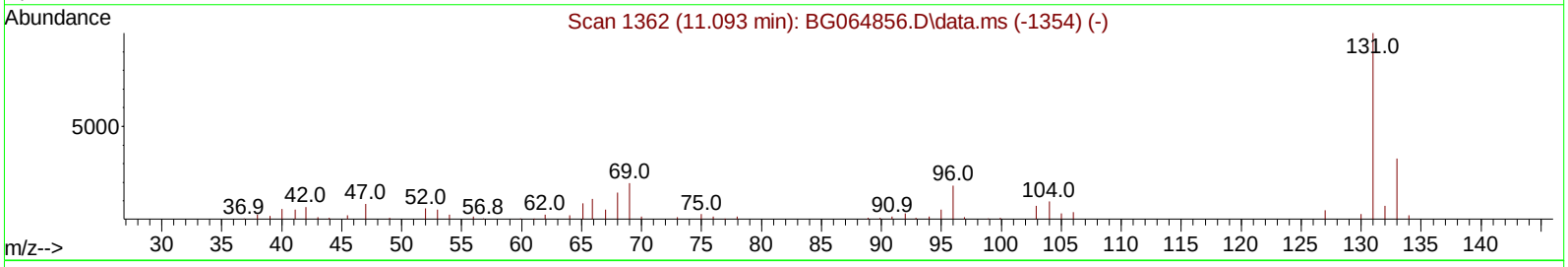
Quant Time: Nov 25 17:52:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064864.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.096min (-0.002) 26.90 ng/ul m

response 48274

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	29.46
69.00	15.70	20.39#
0.00	0.00	0.00

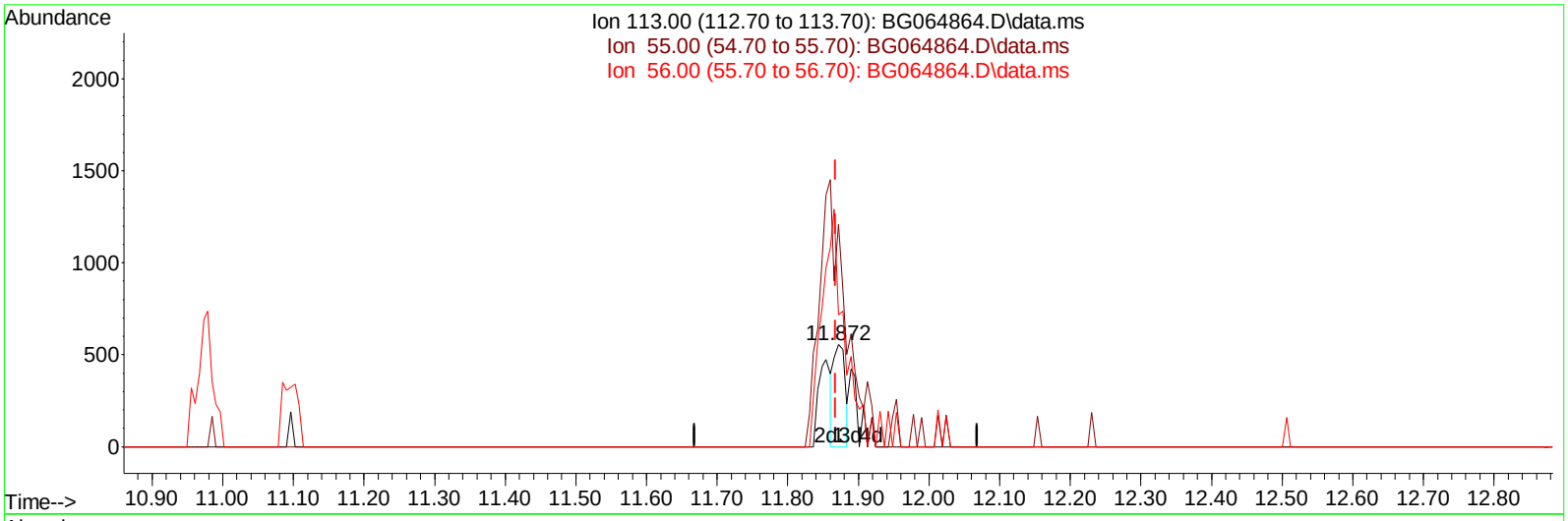
Quantitation Report (Qedit)

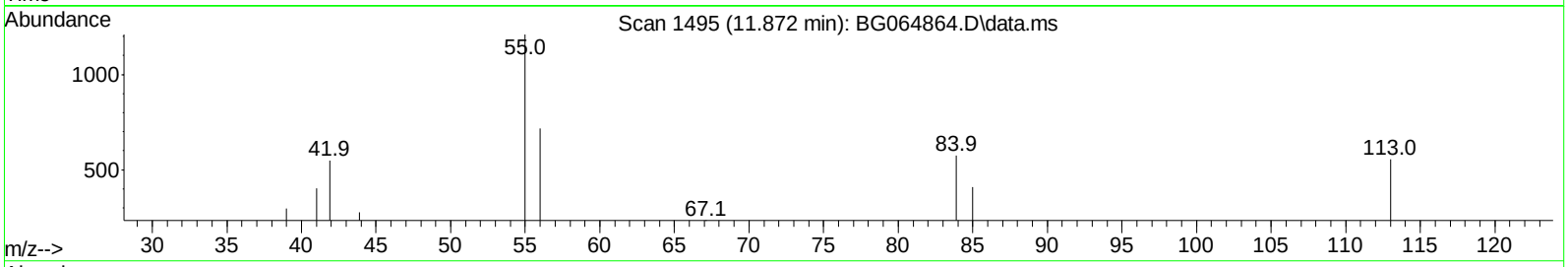
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

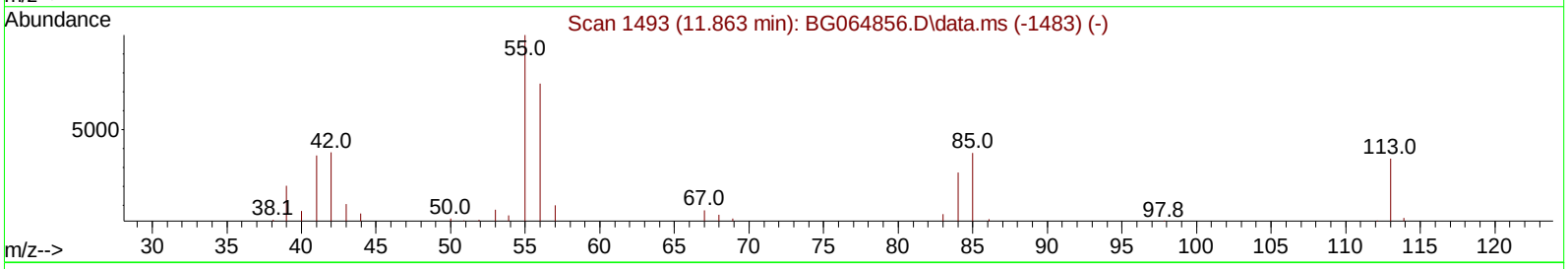
Quant Time: Nov 25 17:52:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064864.D\data.ms

(34) Caprolactam

11.872min (+ 0.004) 1.39 ng/ul

response 635

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	217.63
56.00	159.40	128.96
0.00	0.00	0.00

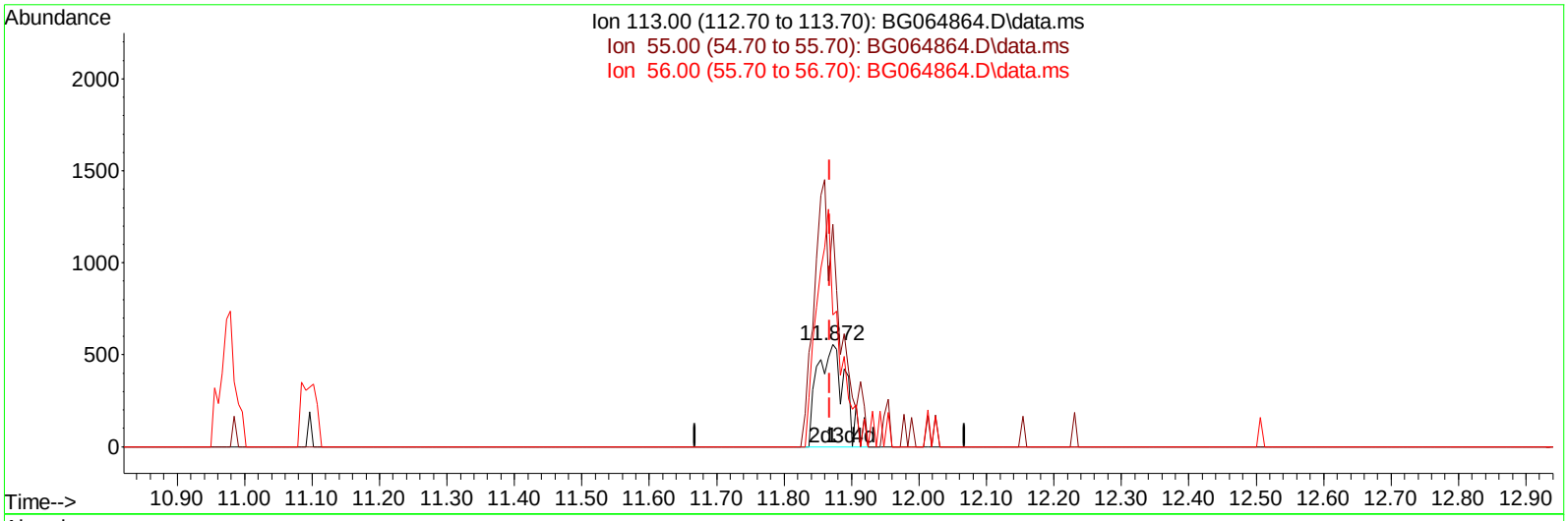
Quantitation Report (Qedit)

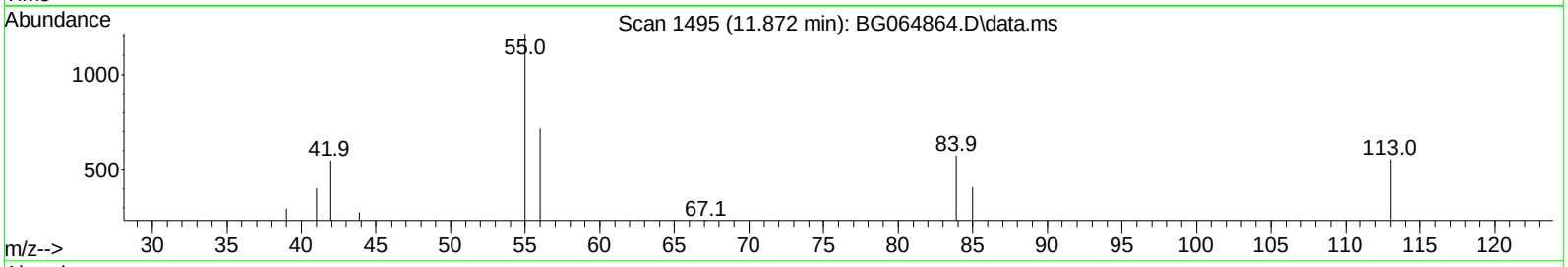
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

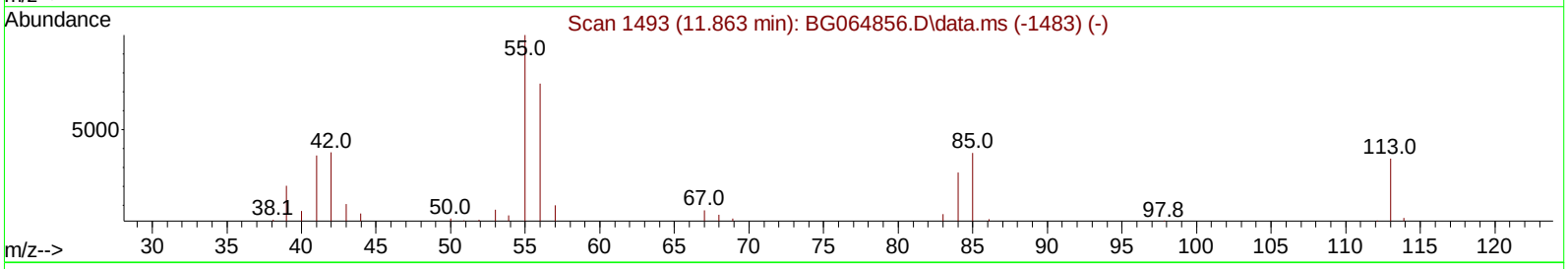
Quant Time: Nov 25 17:52:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064864.D\data.ms

(34) Caprolactam

11.872min (+ 0.004) 3.55 ng/ul m

response 1624

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	217.63
56.00	159.40	128.96
0.00	0.00	0.00

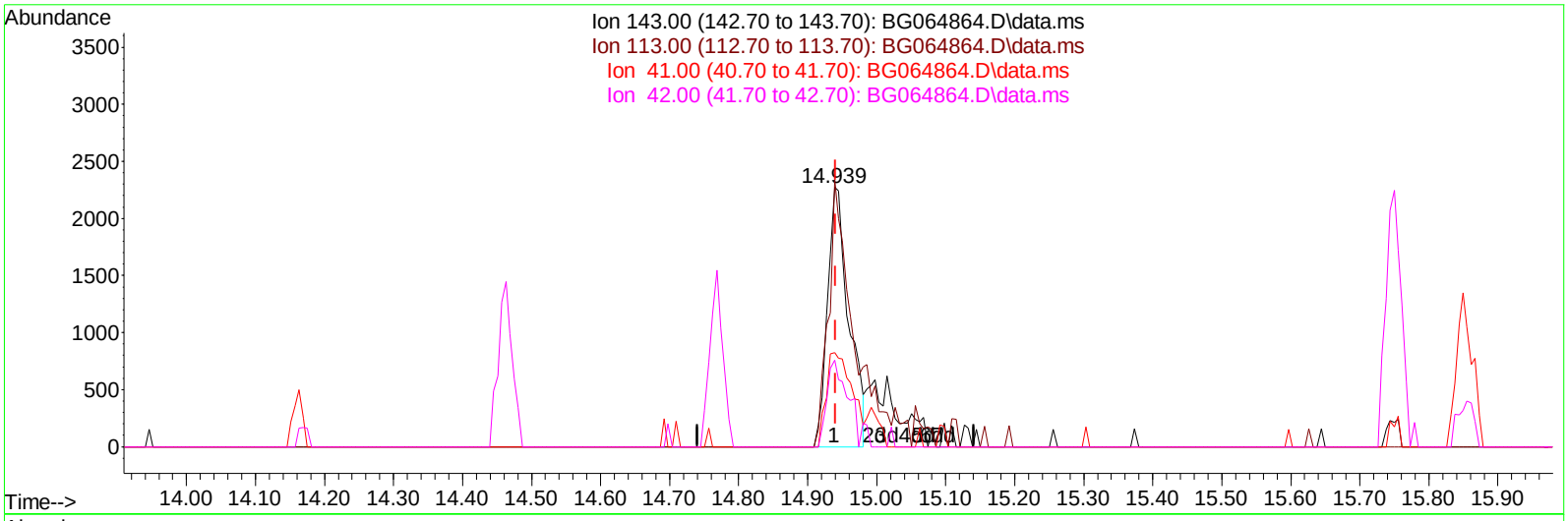
Quantitation Report (Qedit)

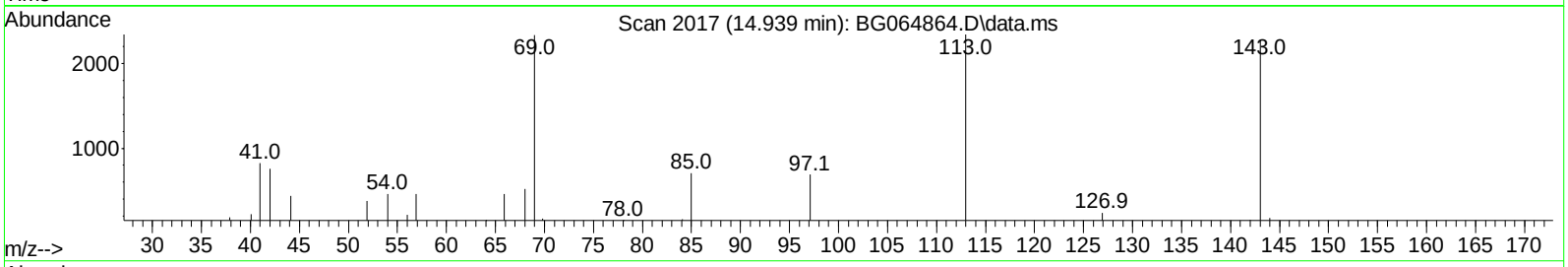
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Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

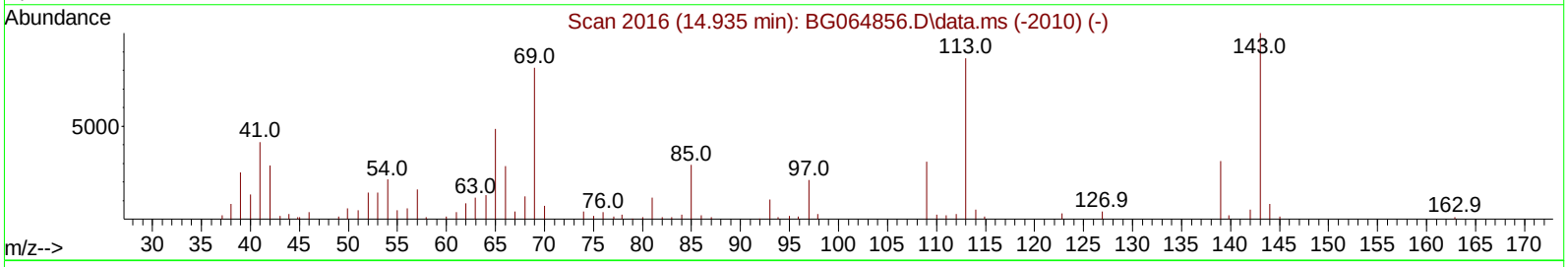
Quant Time: Nov 25 17:52:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064864.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.939min (-0.002) 5.69 ng/ul

response 4902

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	102.86
41.00	40.40	36.25
42.00	23.60	33.44#

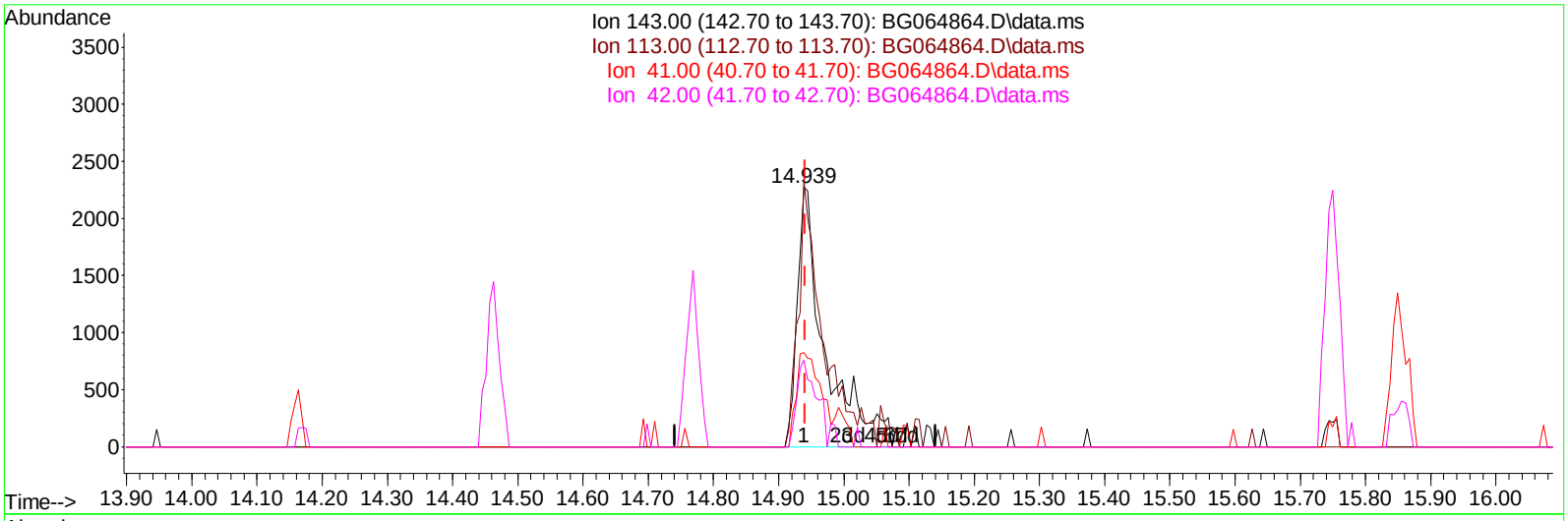
Quantitation Report (Qedit)

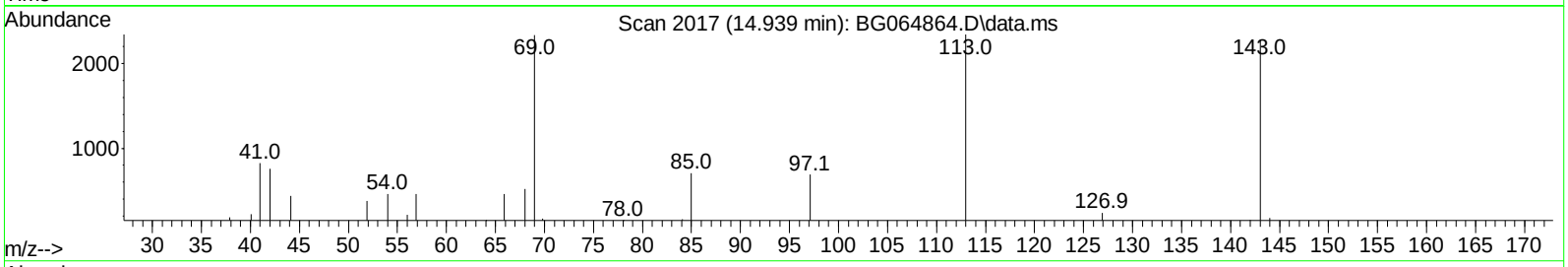
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

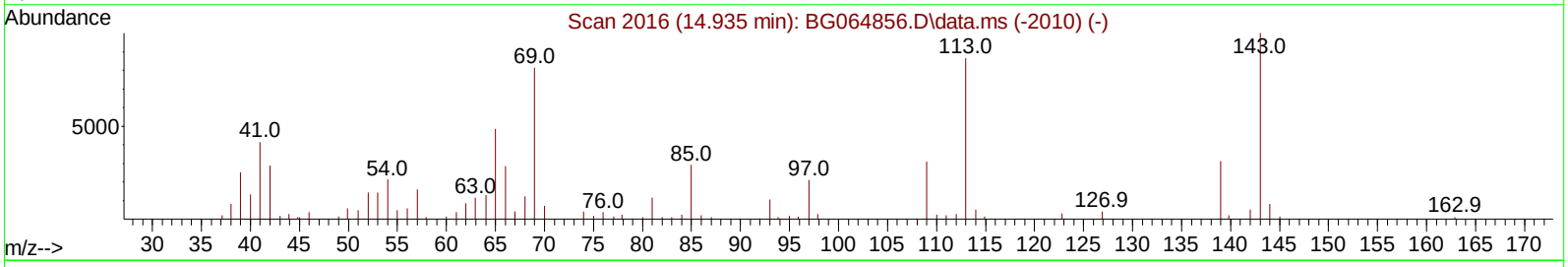
Quant Time: Nov 25 17:52:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064864.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.939min (-0.002) 7.90 ng/ul m

response 6811

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	102.86
41.00	40.40	36.25
42.00	23.60	33.44#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064864.D
Acq On : 25 Nov 2025 17:17
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 17:54:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31I

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	19889	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	76023	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	72250	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	188875	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.743	240	246609	20.000	ng/ul	# 0.00
88) Perylene-d12	24.992	264	275577	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	2277	4.538	ng/uL	0.00
4) Pyridine-d5	3.916	84	11945	8.639	ng/ul	0.00
7) Phenol-d5	7.295	99	12730	7.940	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	23546	22.962	ng/ul	0.00
11) 2-Chlorophenol-d4	7.688	132	28389	23.356	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	22312	16.146	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	16507	28.788	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	21017	30.859	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	38418	27.359	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	48274m	26.896	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	187814	33.047	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	175485	28.832	ng/ul	0.00
54) 4-Nitrophenol-d4	14.939	143	6811m	7.905	ng/ul	0.00
60) Fluorene-d10	15.750	176	172527	33.815	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.849	200	37359	30.895	ng/ul	0.00
73) Anthracene-d10	17.594	188	370880	38.861	ng/ul	0.00
81) Pyrene-d10	19.862	212	513500	40.538	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.768	264	572487	39.375	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.872	113	1624m	3.549	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-01
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064859.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-31S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-01
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064859.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/25/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.857	9.0	JN
2	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

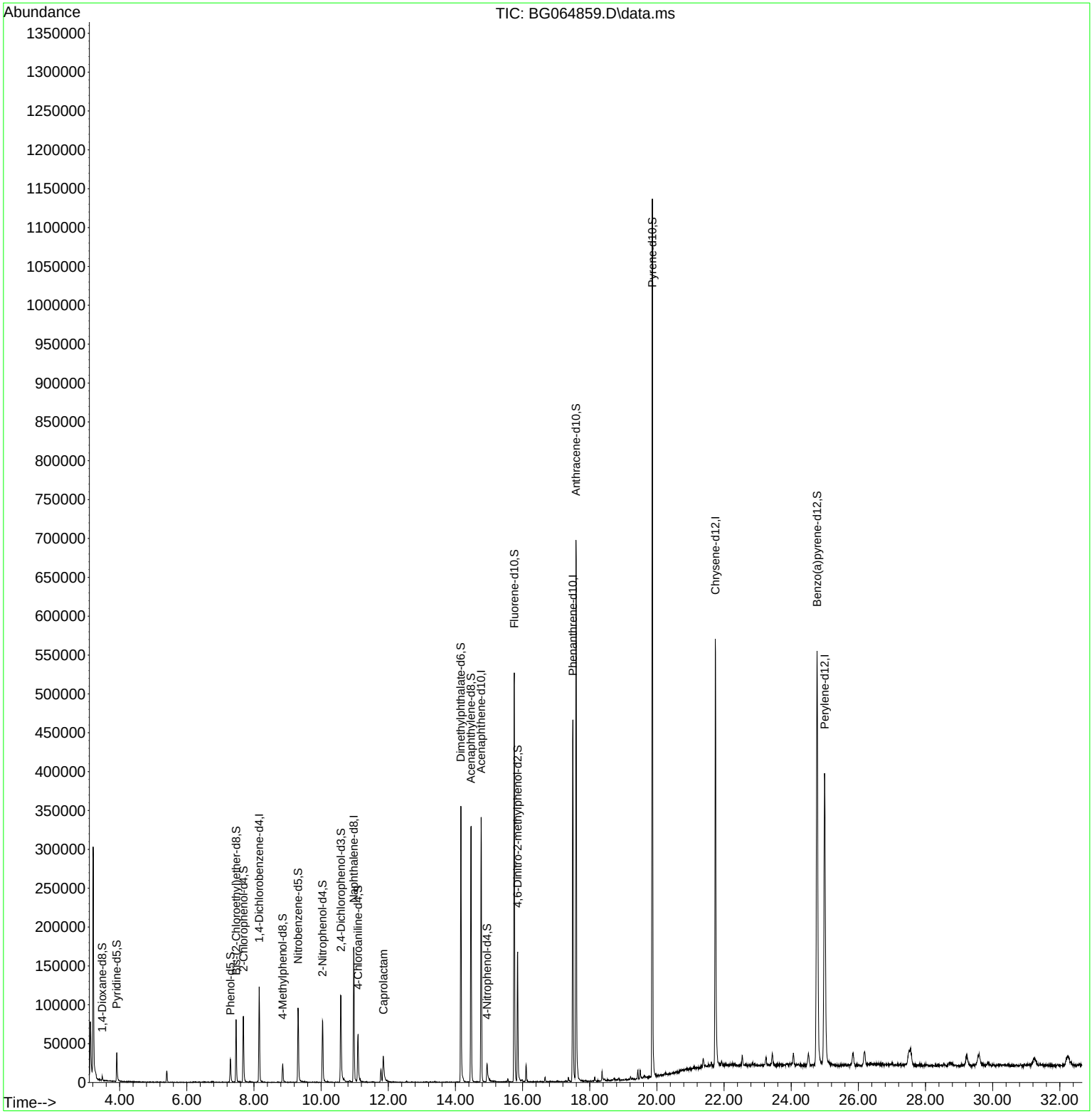
Quantitation Report (QT/LSC Reviewed)

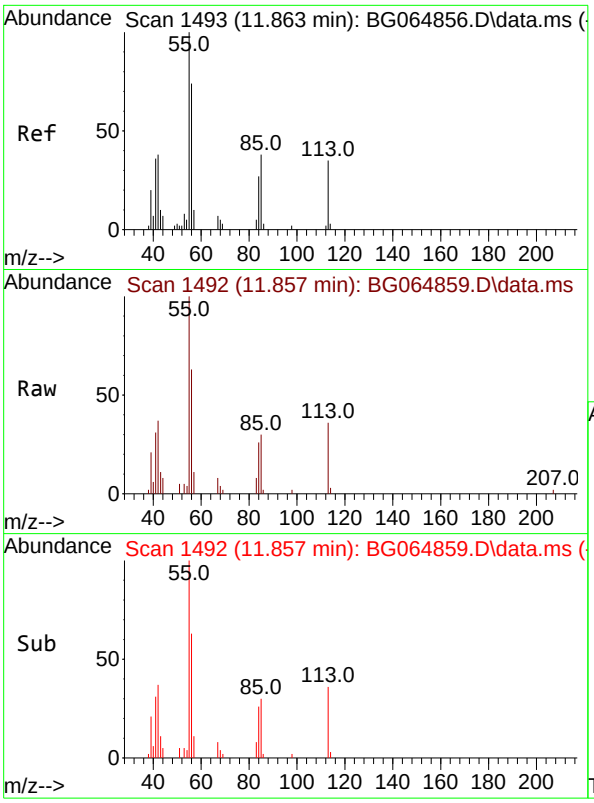
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 17:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

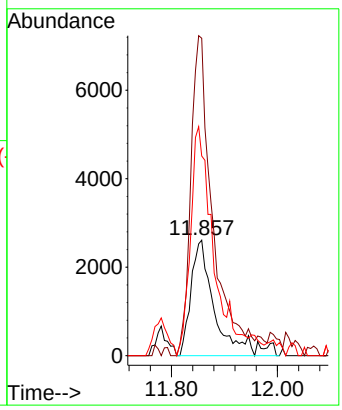




#34
Caprolactam
Concen: 9.013 ng/ul m
RT: 11.857 min Scan# 1492
Delta R.T. -0.011 min
Lab File: BG064859.D
Acq: 25 Nov 2025 13:52

Tgt Ion:113 Resp: 8296

Ion	Ratio	Lower	Upper
113	100		
55	274.9	187.9	281.9
56	172.9	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 17:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.156	152	38241	20.000	ng/ul	0.00
20) Naphthalene-d8	10.970	136	152919	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.765	164	130651	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	331102	20.000	ng/ul	0.00
79) Chrysene-d12	21.740	240	423872	20.000	ng/ul	0.00
88) Perylene-d12	24.995	264	460320	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.479	96	2432	2.521	ng/uL	0.00
4) Pyridine-d5	3.913	84	18961	7.133	ng/ul	0.00
7) Phenol-d5	7.298	99	21208	6.880	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	42472	21.542	ng/ul	0.00
11) 2-Chlorophenol-d4	7.686	132	46026	19.694	ng/ul	0.00
15) 4-Methylphenol-d8	8.855	113	11321	4.261	ng/ul	0.00
21) Nitrobenzene-d5	9.313	128	24817	21.517	ng/ul	0.00
24) 2-Nitrophenol-d4	10.042	143	31710	23.147	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	55290	19.575	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	37990	10.523	ng/ul	0.00
46) Dimethylphthalate-d6	14.160	166	288245	28.047	ng/ul	0.00
49) Acenaphthylene-d8	14.460	160	248030	22.535	ng/ul	0.00
54) 4-Nitrophenol-d4	14.942	143	12681m	8.139	ng/ul	0.00
60) Fluorene-d10	15.753	176	244973	26.552	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	51757	24.416	ng/ul	0.00
73) Anthracene-d10	17.592	188	493939	29.523	ng/ul	0.00
81) Pyrene-d10	19.865	212	716680	32.917	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	682635	28.108	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.857	113	8296m	9.013	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064859.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.126	3	6	15	rVB	64629	114488	6.77%	0.873%
2	3.208	15	20	38	rVB	297625	493421	29.18%	3.761%
3	3.385	47	50	53	rVB3	1764	2364	0.14%	0.018%
4	3.479	63	66	73	rVB3	5765	7829	0.46%	0.060%
5	3.913	134	140	149	rBV	37529	65759	3.89%	0.501%
6	4.266	197	200	206	rBV4	1375	2661	0.16%	0.020%
7	4.765	280	285	291	rVB3	681	1713	0.10%	0.013%
8	5.400	386	393	401	rVB	14754	26268	1.55%	0.200%
9	7.298	710	716	727	rBV2	29870	60632	3.59%	0.462%
10	7.468	738	745	753	rBV	80438	138903	8.22%	1.059%
11	7.686	775	782	792	rBV	84770	160142	9.47%	1.221%
12	8.109	848	854	855	rBV2	1664	2607	0.15%	0.020%
13	8.156	855	862	870	rVV	122241	212899	12.59%	1.623%
14	8.855	972	981	987	rBV2	23941	46415	2.75%	0.354%
15	9.313	1053	1059	1071	rBV	95437	187325	11.08%	1.428%
16	10.042	1176	1183	1192	rBV	79247	156946	9.28%	1.196%
17	10.106	1192	1194	1201	rVB4	2021	2429	0.14%	0.019%
18	10.582	1268	1275	1288	rBV	112012	240158	14.20%	1.830%
19	10.676	1288	1291	1298	rVB5	4090	8290	0.49%	0.063%
20	10.847	1315	1320	1329	rVB3	1714	4821	0.29%	0.037%
21	10.970	1334	1341	1349	rBV	173753	320302	18.95%	2.441%
22	11.099	1355	1363	1384	rVB	61668	139735	8.27%	1.065%
23	11.781	1473	1479	1485	rBV3	16539	32872	1.94%	0.251%
24	11.851	1485	1491	1505	rVV2	32151	83708	4.95%	0.638%
25	12.550	1605	1610	1614	rVB2	1678	2522	0.15%	0.019%
26	14.160	1878	1884	1904	rBV	354995	570331	33.73%	4.347%
27	14.466	1928	1936	1947	rBV	328904	546227	32.31%	4.163%
28	14.765	1980	1987	1997	rBV	340729	541776	32.04%	4.129%
29	14.942	2012	2017	2028	rBV3	23070	58926	3.49%	0.449%
30	15.559	2117	2122	2127	rBV3	4126	6175	0.37%	0.047%
31	15.753	2148	2155	2166	rBV	526175	873537	51.67%	6.658%
32	15.852	2166	2172	2180	rBV	165502	270169	15.98%	2.059%
33	16.105	2208	2215	2220	rBV	21697	34305	2.03%	0.261%
34	16.140	2220	2221	2226	rVB	2125	1758	0.10%	0.013%
35	16.669	2303	2311	2316	rBV4	6218	10367	0.61%	0.079%
36	17.028	2368	2372	2373	rBV2	1693	1857	0.11%	0.014%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	17.368	2425	2430	2433	rBV3	4852	7852	0.46%	0.060%
38	17.498	2444	2452	2462	rBV2	465813	763962	45.19%	5.823%
39	17.592	2462	2468	2487	rVB	694941	1142970	67.60%	8.712%
40	18.079	2547	2551	2554	rBV2	1260	1710	0.10%	0.013%
41	18.150	2556	2563	2571	rVV5	5433	9484	0.56%	0.072%
42	18.367	2596	2600	2607	rBV3	11513	18462	1.09%	0.141%
43	18.443	2611	2613	2618	rVB2	2435	3140	0.19%	0.024%
44	18.720	2655	2660	2662	rBV6	2676	4416	0.26%	0.034%
45	18.755	2665	2666	2671	rBV4	2439	3035	0.18%	0.023%
46	18.867	2683	2685	2689	rVB3	3223	3864	0.23%	0.029%
47	19.213	2740	2744	2749	rBV3	4133	6712	0.40%	0.051%
48	19.272	2752	2754	2756	rBV3	2107	1964	0.12%	0.015%
49	19.436	2776	2782	2787	rVB3	11933	18069	1.07%	0.138%
50	19.501	2788	2793	2798	rBV2	11348	18700	1.11%	0.143%
51	19.595	2806	2809	2812	rBV5	2317	3196	0.19%	0.024%
52	19.624	2812	2814	2820	rVB6	3550	6261	0.37%	0.048%
53	19.777	2838	2840	2843	rBV3	2355	2138	0.13%	0.016%
54	19.865	2848	2855	2869	rBV	1130039	1690683	100.00%	12.886%
55	20.036	2883	2884	2890	rVB6	2770	3844	0.23%	0.029%
56	20.089	2890	2893	2895	rBV4	2168	2872	0.17%	0.022%
57	20.377	2938	2942	2945	rBV5	3019	3905	0.23%	0.030%
58	20.488	2959	2961	2963	rBV3	2501	1820	0.11%	0.014%
59	20.606	2979	2981	2983	rBV3	2863	1827	0.11%	0.014%
60	20.694	2994	2996	2998	rBV2	3078	2982	0.18%	0.023%
61	21.381	3108	3113	3118	rBV7	10699	22307	1.32%	0.170%
62	21.740	3167	3174	3188	rBV2	549040	1034604	61.19%	7.886%
63	21.934	3203	3207	3213	rVB9	6083	12118	0.72%	0.092%
64	22.539	3307	3310	3317	rVB9	12656	22393	1.32%	0.171%
65	23.438	3458	3463	3471	rVB9	16447	38220	2.26%	0.291%
66	24.066	3565	3570	3576	rVB6	15095	29274	1.73%	0.223%
67	24.366	3619	3621	3623	rBV3	4119	3758	0.22%	0.029%
68	24.771	3678	3690	3708	rBV	534011	1557067	92.10%	11.868%
69	24.995	3717	3728	3750	rVB	373663	1160064	68.62%	8.842%
70	25.758	3856	3858	3859	rBV2	3426	2845	0.17%	0.022%
71	25.829	3867	3870	3871	rBV2	8865	8221	0.49%	0.063%
72	25.935	3886	3888	3890	rBV3	3647	3165	0.19%	0.024%
73	27.521	4148	4158	4159	rBV8	12860	35751	2.11%	0.272%
74	28.649	4348	4350	4352	rBV3	3743	3679	0.22%	0.028%
75	28.726	4361	4363	4367	rBV5	4388	6618	0.39%	0.050%
76	29.207	4443	4445	4446	rBV2	6899	6270	0.37%	0.048%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	30.106	4596	4598	4600	rBV3	3997	3589	0.21%	0.027%
78	31.223	4784	4788	4792	rBV6	6397	12790	0.76%	0.097%
79	31.757	4877	4879	4881	rVB3	3671	2635	0.16%	0.020%

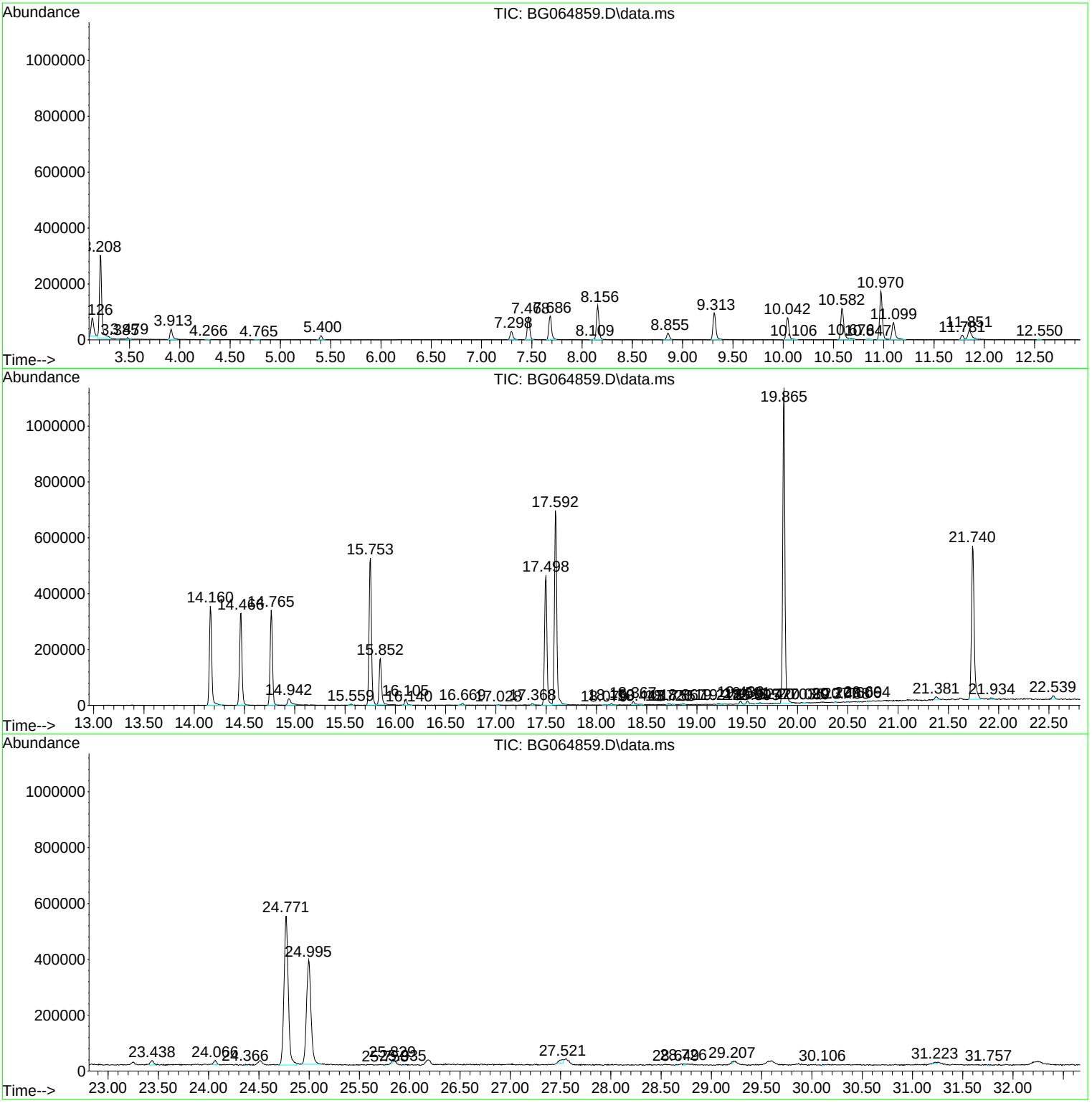
Sum of corrected areas: 13119873

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-31S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

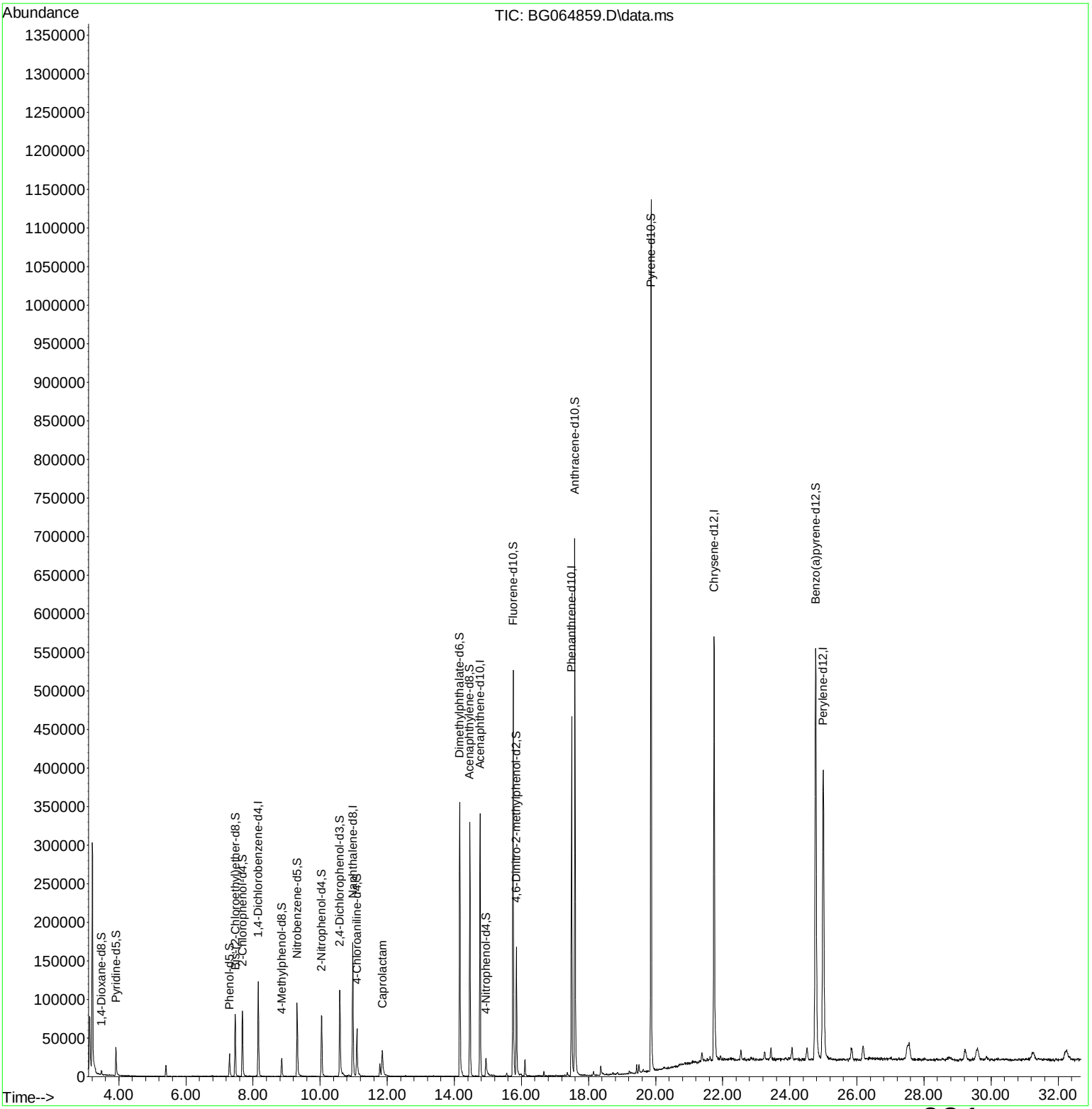
					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 17:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



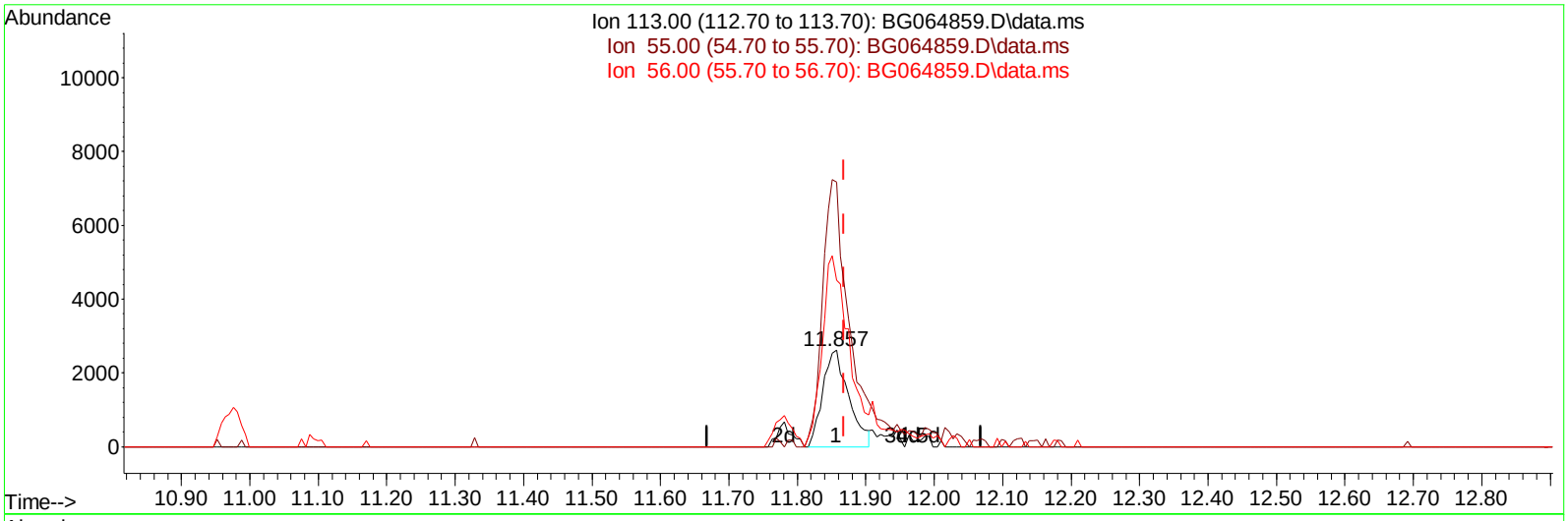
Quantitation Report (Qedit)

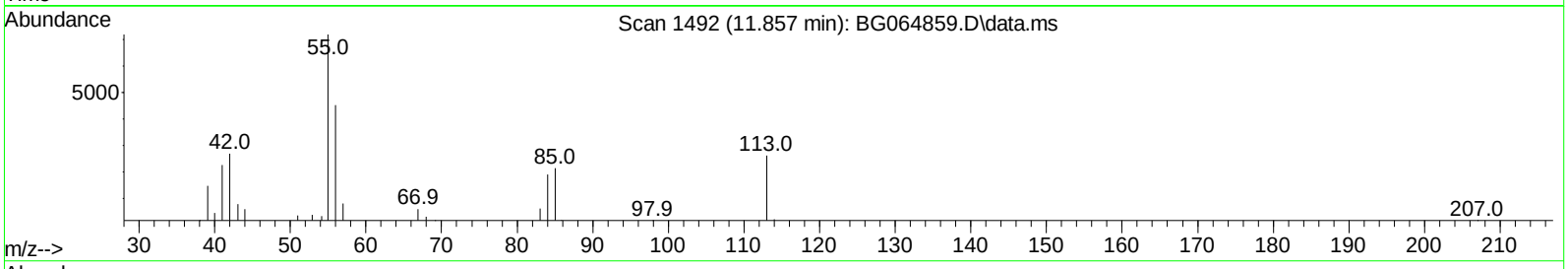
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

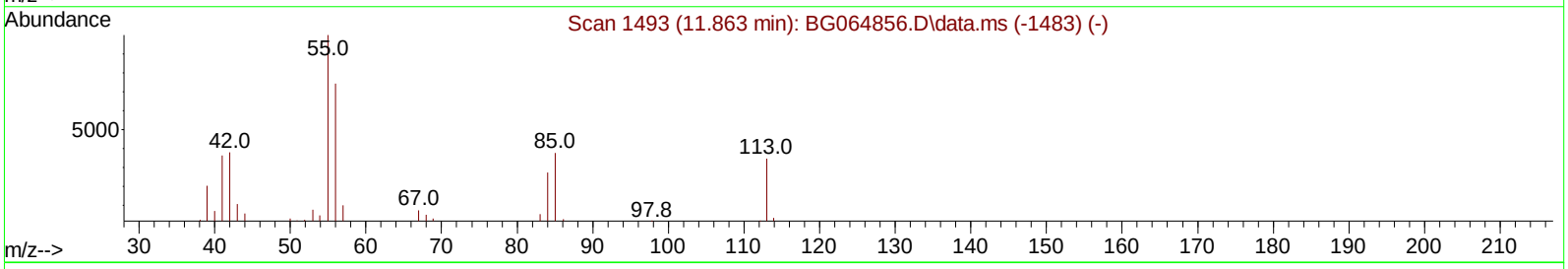
Quant Time: Nov 25 17:03:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064859.D\data.ms

(34) Caprolactam

11.857min (-0.011) 7.51 ng/ul

response 6912

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	274.91
56.00	159.40	172.88
0.00	0.00	0.00

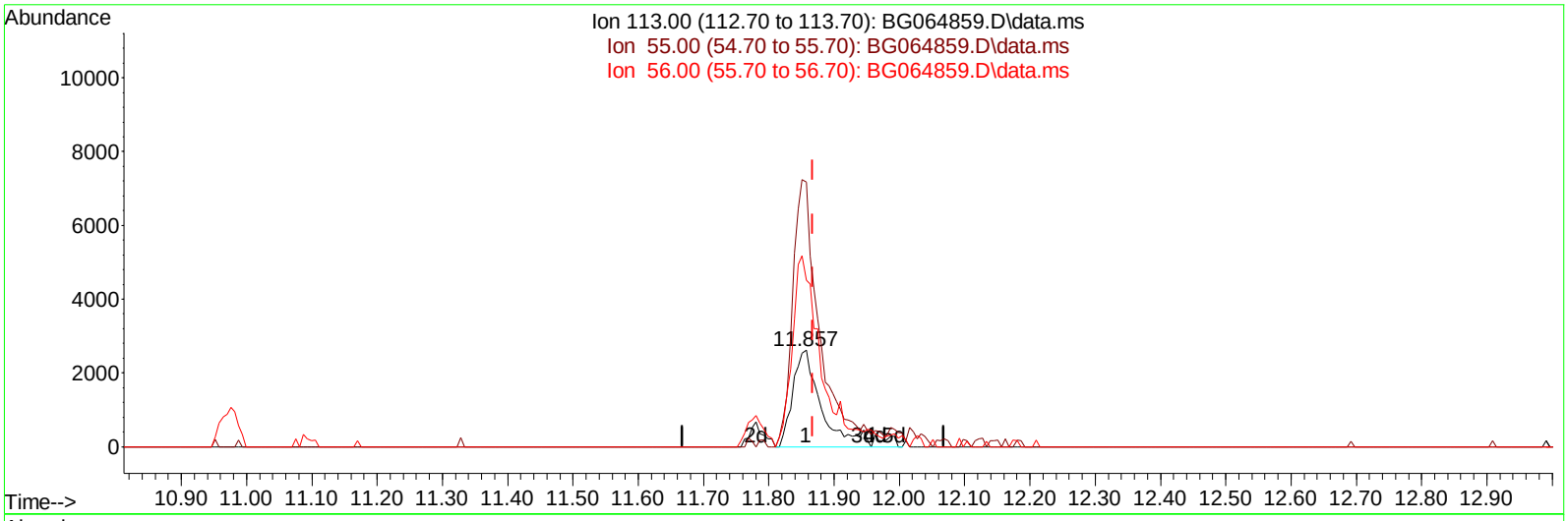
Quantitation Report (Qedit)

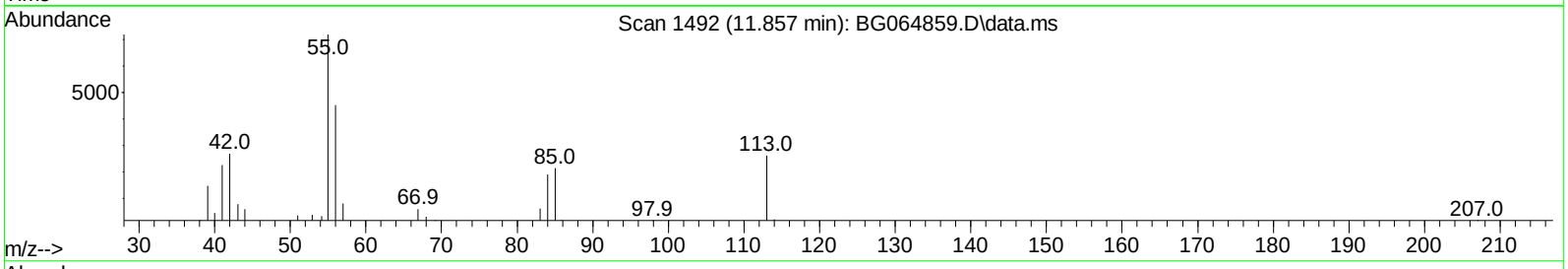
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

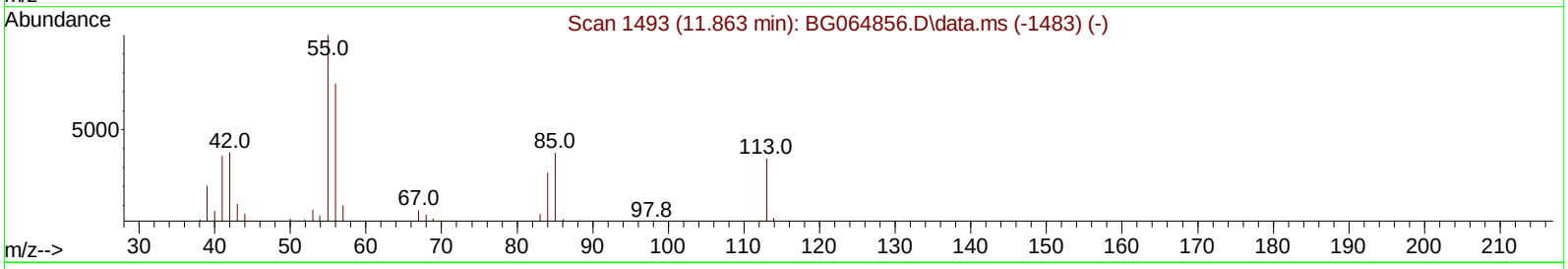
Quant Time: Nov 25 17:03:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064859.D\data.ms

(34) Caprolactam

11.857min (-0.011) 9.01 ng/ul m

response 8296

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	274.91
56.00	159.40	172.88
0.00	0.00	0.00

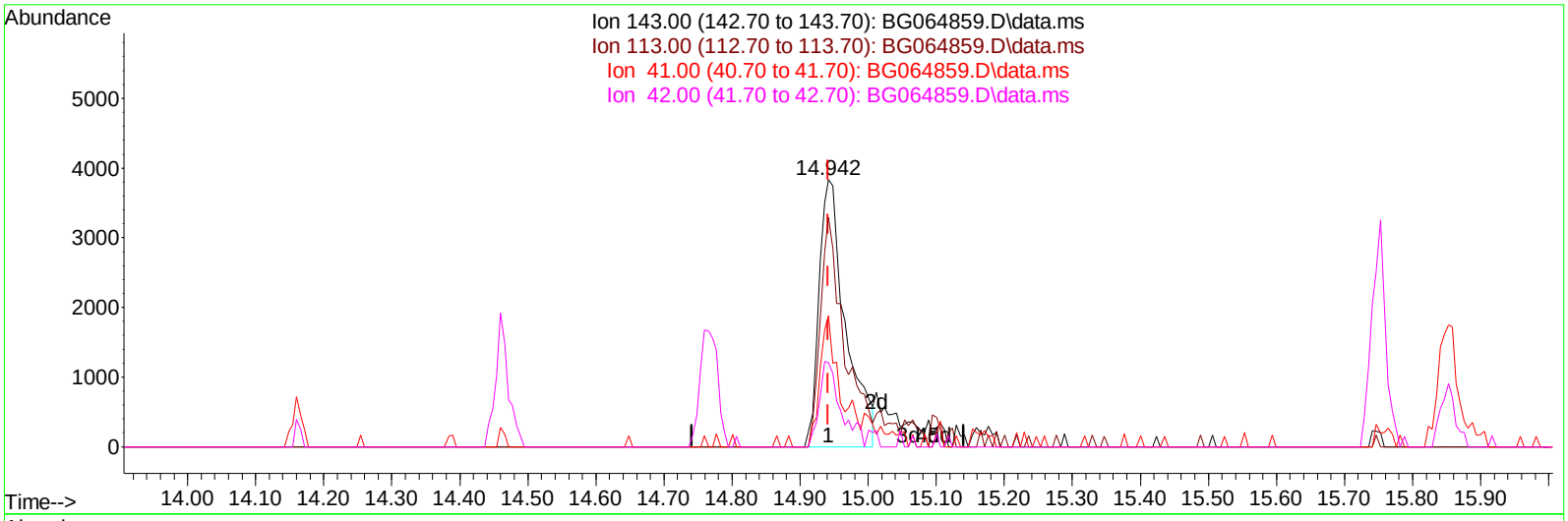
Quantitation Report (Qedit)

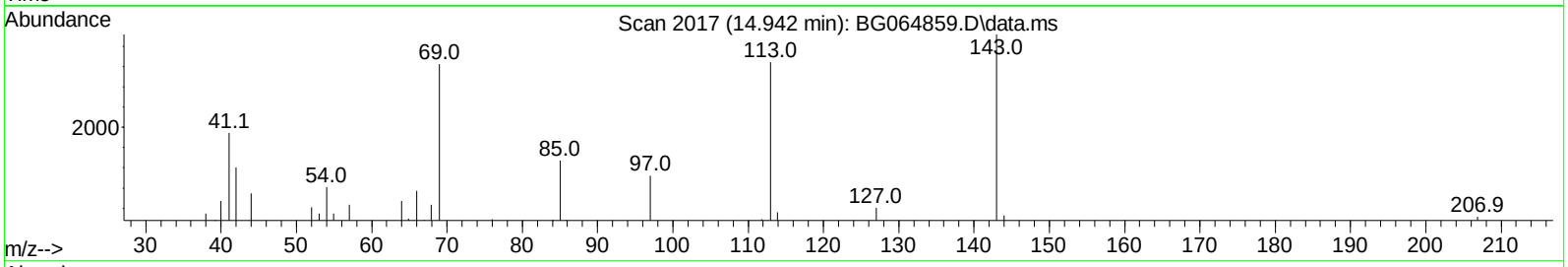
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

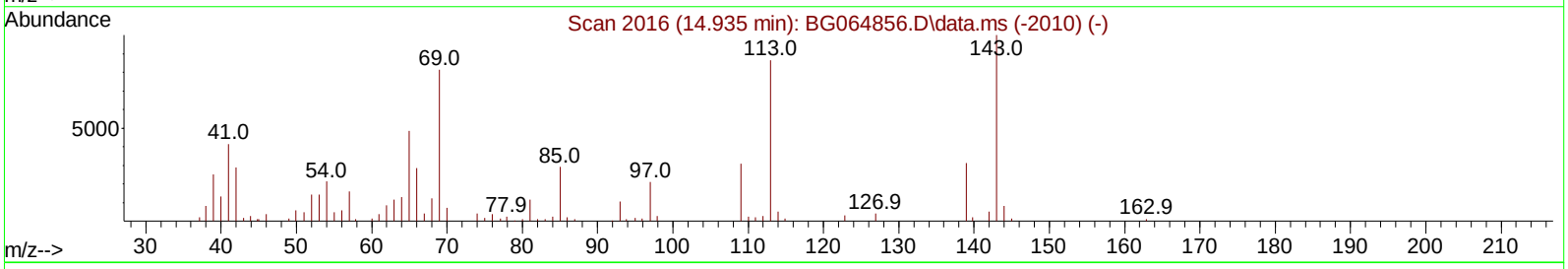
Quant Time: Nov 25 17:03:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064859.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.942min (+ 0.001) 6.62 ng/ul

response 10313

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	85.83
41.00	40.40	49.23#
42.00	23.60	31.56#

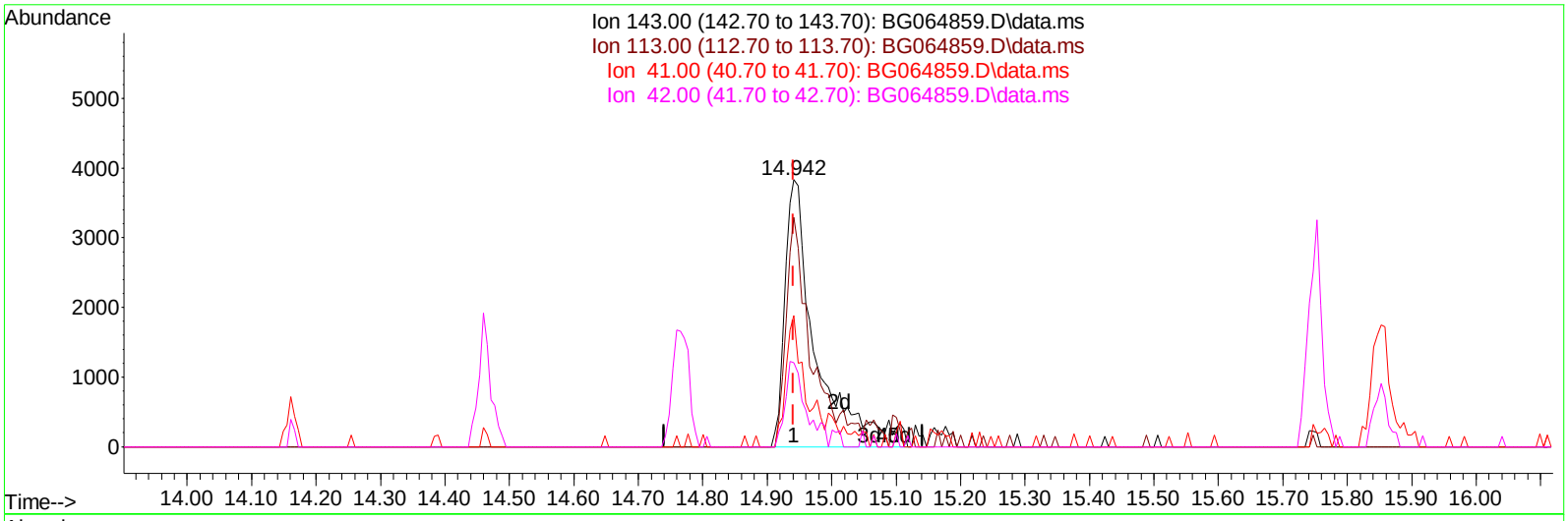
Quantitation Report (Qedit)

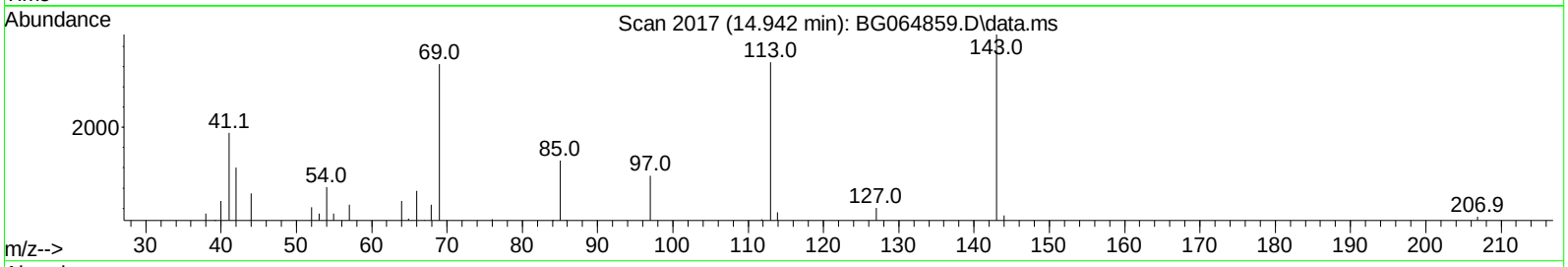
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

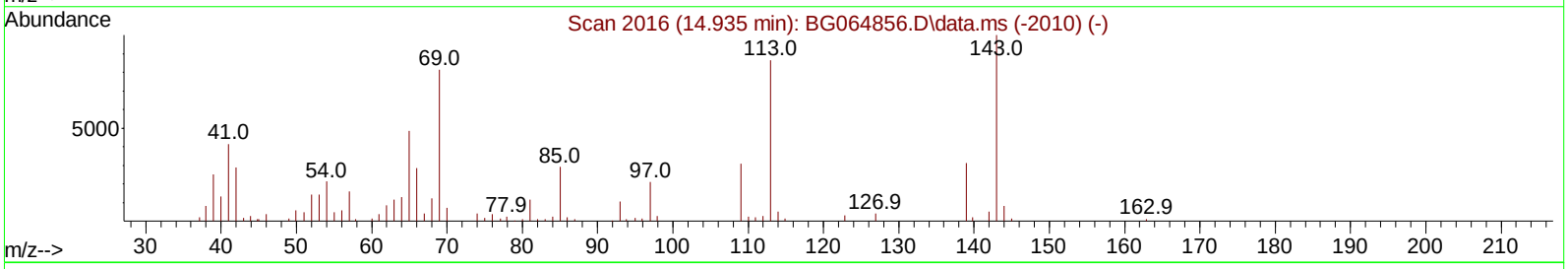
Quant Time: Nov 25 17:03:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064859.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.942min (+ 0.001) 8.14 ng/ul m

response 12681

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	85.83
41.00	40.40	49.23#
42.00	23.60	31.56#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064859.D
Acq On : 25 Nov 2025 13:52
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 17:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.156	152	38241	20.000	ng/ul	0.00
20) Naphthalene-d8	10.970	136	152919	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.765	164	130651	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	331102	20.000	ng/ul	0.00
79) Chrysene-d12	21.740	240	423872	20.000	ng/ul	0.00
88) Perylene-d12	24.995	264	460320	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.479	96	2432	2.521	ng/uL	0.00
4) Pyridine-d5	3.913	84	18961	7.133	ng/ul	0.00
7) Phenol-d5	7.298	99	21208	6.880	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	42472	21.542	ng/ul	0.00
11) 2-Chlorophenol-d4	7.686	132	46026	19.694	ng/ul	0.00
15) 4-Methylphenol-d8	8.855	113	11321	4.261	ng/ul	0.00
21) Nitrobenzene-d5	9.313	128	24817	21.517	ng/ul	0.00
24) 2-Nitrophenol-d4	10.042	143	31710	23.147	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	55290	19.575	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	37990	10.523	ng/ul	0.00
46) Dimethylphthalate-d6	14.160	166	288245	28.047	ng/ul	0.00
49) Acenaphthylene-d8	14.460	160	248030	22.535	ng/ul	0.00
54) 4-Nitrophenol-d4	14.942	143	12681m	8.139	ng/ul	0.00
60) Fluorene-d10	15.753	176	244973	26.552	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	51757	24.416	ng/ul	0.00
73) Anthracene-d10	17.592	188	493939	29.523	ng/ul	0.00
81) Pyrene-d10	19.865	212	716680	32.917	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	682635	28.108	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.857	113	8296m	9.013	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-06
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064863.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 11 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-32I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-06
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064863.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/25/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 11 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.863	9.7	JN
2	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

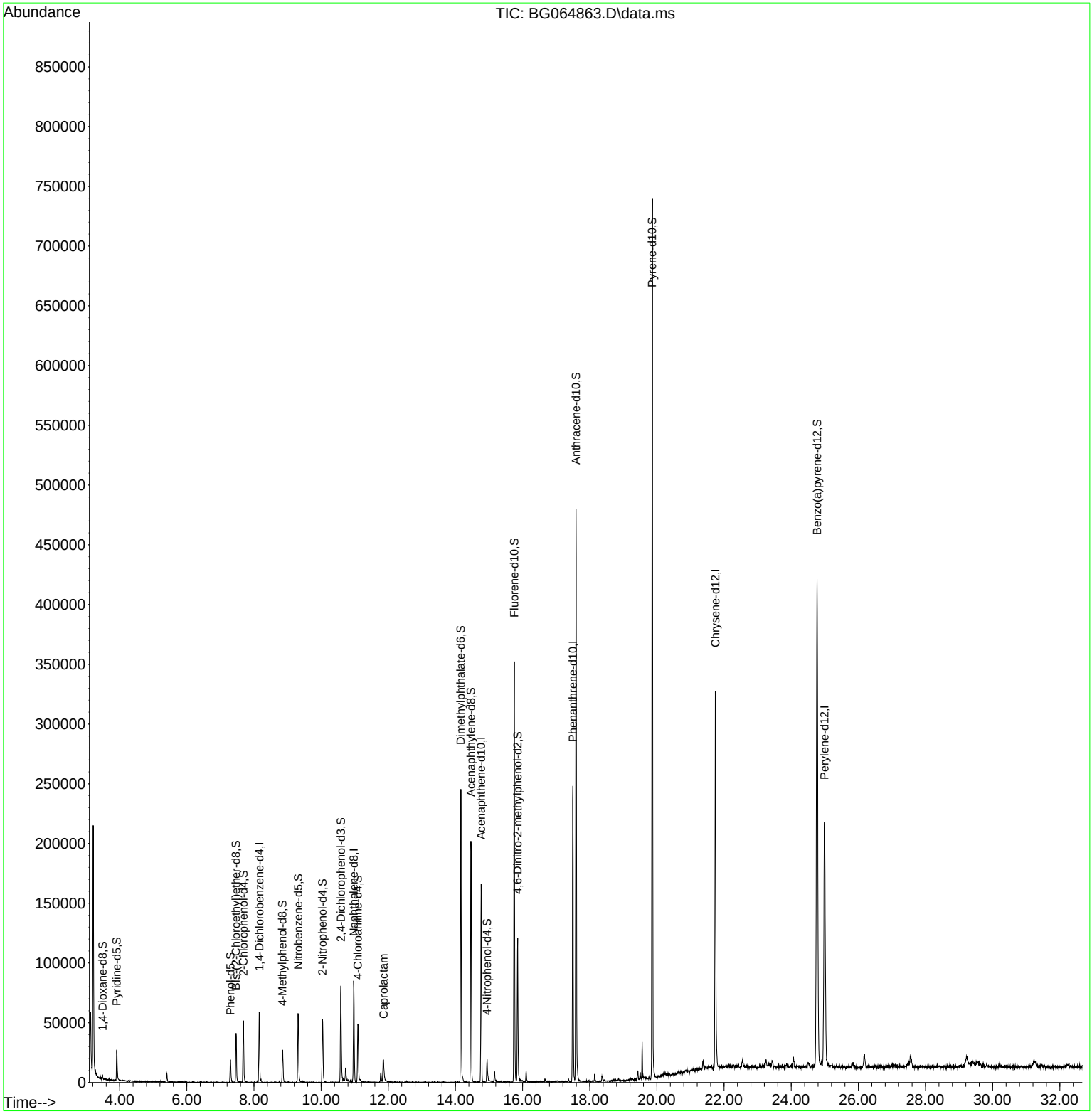
Quantitation Report (QT/LSC Reviewed)

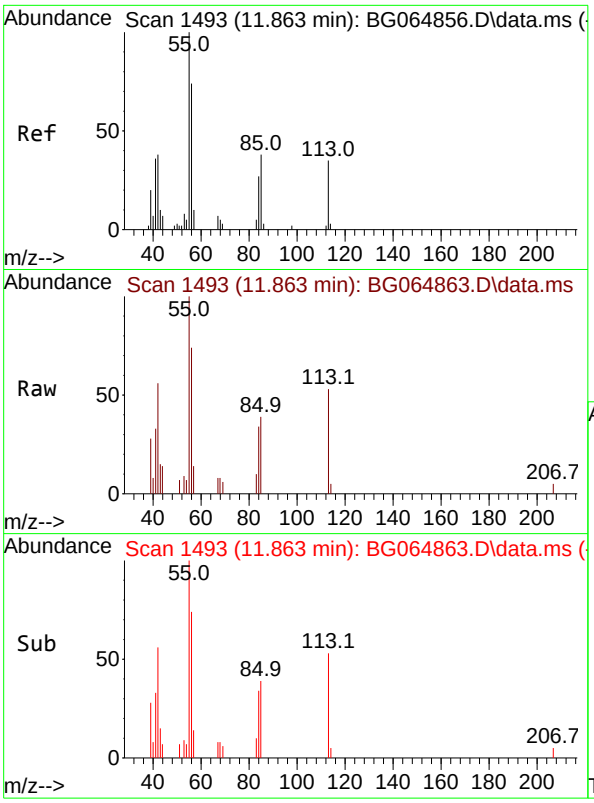
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 17:16:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

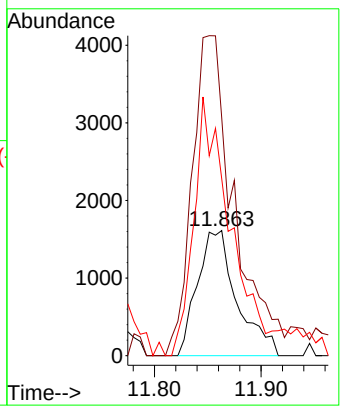




#34
Caprolactam
Concen: 9.713 ng/ul
RT: 11.863 min Scan# 1493
Delta R.T. -0.005 min
Lab File: BG064863.D
Acq: 25 Nov 2025 16:36

Tgt Ion:113 Resp: 4152

Ion	Ratio	Lower	Upper
113	100		
55	190.3	187.9	281.9
56	141.5	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:16:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.162	152	18190	20.000	ng/ul	0.00
20) Naphthalene-d8	10.970	136	71017	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.766	164	66815	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	178026	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.740	240	239888	20.000	ng/ul	0.00
88) Perylene-d12	24.989	264	267060	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.491	96	1697	3.698	ng/uL	0.01
4) Pyridine-d5	3.914	84	11457	9.061	ng/ul	0.00
7) Phenol-d5	7.298	99	11879m	8.101	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.462	67	22580	24.077	ng/ul	0.00
11) 2-Chlorophenol-d4	7.686	132	25327	22.783	ng/ul	0.00
15) 4-Methylphenol-d8	8.849	113	11617	9.192	ng/ul	0.00
21) Nitrobenzene-d5	9.319	128	14767	27.569	ng/ul	0.00
24) 2-Nitrophenol-d4	10.042	143	18442	28.987	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	35197	26.832	ng/ul	0.00
31) 4-Chloroaniline-d4	11.093	131	27933	16.660	ng/ul	0.00
46) Dimethylphthalate-d6	14.160	166	186447	35.475	ng/ul	0.00
49) Acenaphthylene-d8	14.460	160	151855	26.979	ng/ul	0.00
54) 4-Nitrophenol-d4	14.942	143	7421m	9.313	ng/ul	0.00
60) Fluorene-d10	15.753	176	158998	33.698	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.853	200	37116	32.564	ng/ul	0.00
73) Anthracene-d10	17.592	188	329500	36.629	ng/ul	0.00
81) Pyrene-d10	19.860	212	487435	39.558	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	534065	37.904	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.863	113	4152	9.713	ng/ul	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064863.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	3	7	15	rVB	49328	91867	7.95%	1.117%
2	3.209	15	20	29	rBV	205184	312786	27.07%	3.804%
3	3.479	63	66	73	rVB4	4123	6692	0.58%	0.081%
4	3.849	126	129	133	rBV4	875	1593	0.14%	0.019%
5	3.914	136	140	151	rBV	25759	44630	3.86%	0.543%
6	4.272	196	201	205	rVB3	1321	2295	0.20%	0.028%
7	4.325	205	210	214	rBV2	897	1754	0.15%	0.021%
8	5.406	387	394	400	rVB3	7109	11188	0.97%	0.136%
9	7.298	710	716	723	rBV3	18992	34703	3.00%	0.422%
10	7.468	739	745	753	rBV2	40894	73545	6.36%	0.894%
11	7.686	776	782	790	rBV	51661	93836	8.12%	1.141%
12	8.156	856	862	869	rVV	58971	102898	8.91%	1.251%
13	8.855	974	981	989	rBV3	27029	52582	4.55%	0.639%
14	9.313	1052	1059	1069	rBV	57721	113948	9.86%	1.386%
15	10.042	1176	1183	1191	rBV2	52831	101297	8.77%	1.232%
16	10.588	1268	1276	1286	rBV	80772	153166	13.26%	1.863%
17	10.659	1286	1288	1290	rVV2	1972	1768	0.15%	0.022%
18	10.729	1294	1300	1307	rVV2	9967	19271	1.67%	0.234%
19	10.970	1333	1341	1350	rBV	85031	155946	13.50%	1.897%
20	11.093	1355	1362	1372	rBV	48787	99876	8.64%	1.215%
21	11.781	1470	1479	1485	rBV4	8438	16879	1.46%	0.205%
22	11.857	1485	1492	1505	rVV4	18438	51221	4.43%	0.623%
23	12.545	1606	1609	1614	rBB2	1290	1808	0.16%	0.022%
24	14.160	1878	1884	1900	rBV	245297	378384	32.75%	4.602%
25	14.460	1925	1935	1948	rBV2	201726	332356	28.76%	4.042%
26	14.766	1980	1987	1998	rVB	165872	264135	22.86%	3.212%
27	14.942	2008	2017	2024	rBV3	19187	38403	3.32%	0.467%
28	15.159	2049	2054	2060	rBV6	9030	15369	1.33%	0.187%
29	15.753	2146	2155	2164	rBV	352138	558692	48.35%	6.795%
30	15.853	2166	2172	2183	rVV	120443	192162	16.63%	2.337%
31	15.923	2183	2184	2188	rVV2	2410	2343	0.20%	0.028%
32	15.982	2191	2194	2200	rVB2	1450	2866	0.25%	0.035%
33	16.105	2211	2215	2221	rBV	9470	13172	1.14%	0.160%
34	16.663	2307	2310	2315	rBV3	2645	3661	0.32%	0.045%
35	17.028	2368	2372	2376	rBV2	1035	1888	0.16%	0.023%
36	17.363	2426	2429	2436	rVB2	2951	4746	0.41%	0.058%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	17.498	2444	2452	2461	rBV2	247846	392711	33.99%	4.776%
38	17.592	2461	2468	2483	rVV	479382	758518	65.65%	9.225%
39	18.150	2559	2563	2567	rVB3	6218	6953	0.60%	0.085%
40	18.373	2596	2601	2604	rBV4	4360	6848	0.59%	0.083%
41	18.861	2680	2684	2688	rVB3	2307	2777	0.24%	0.034%
42	19.102	2720	2725	2726	rBV2	1334	2065	0.18%	0.025%
43	19.213	2741	2744	2747	rBV2	2128	2568	0.22%	0.031%
44	19.431	2777	2781	2785	rBV3	7418	11123	0.96%	0.135%
45	19.501	2789	2793	2798	rBV2	5843	9696	0.84%	0.118%
46	19.560	2799	2803	2807	rBV2	30358	34177	2.96%	0.416%
47	19.630	2813	2815	2818	rVB2	1927	1825	0.16%	0.022%
48	19.865	2847	2855	2870	rBV	736667	1121389	97.05%	13.638%
49	20.042	2882	2885	2887	rBV4	1541	1859	0.16%	0.023%
50	20.206	2910	2913	2914	rBV2	2553	2255	0.20%	0.027%
51	20.253	2920	2921	2927	rVB5	1868	2181	0.19%	0.027%
52	20.365	2938	2940	2941	rBV	1955	1589	0.14%	0.019%
53	20.547	2967	2971	2973	rBV4	2369	3129	0.27%	0.038%
54	20.717	2999	3000	3002	rBV2	1869	1789	0.15%	0.022%
55	20.782	3009	3011	3012	rBV2	1799	1589	0.14%	0.019%
56	21.005	3044	3049	3051	rBV4	2167	4387	0.38%	0.053%
57	21.105	3063	3066	3070	rVB5	2071	3079	0.27%	0.037%
58	21.375	3108	3112	3117	rVB7	8254	14400	1.25%	0.175%
59	21.417	3117	3119	3120	rBV2	2803	1925	0.17%	0.023%
60	21.434	3120	3122	3127	rVB5	2891	4322	0.37%	0.053%
61	21.528	3136	3138	3141	rVB3	2344	2140	0.19%	0.026%
62	21.622	3152	3154	3157	rBV4	3174	2320	0.20%	0.028%
63	21.740	3167	3174	3187	rBV	315081	563616	48.78%	6.854%
64	21.928	3203	3206	3208	rVV4	2707	2865	0.25%	0.035%
65	22.133	3238	3241	3242	rBV3	2759	3482	0.30%	0.042%
66	22.280	3264	3266	3269	rBV4	3142	3502	0.30%	0.043%
67	22.433	3290	3292	3296	rVB5	2592	2282	0.20%	0.028%
68	22.545	3306	3311	3316	rVB6	5514	9607	0.83%	0.117%
69	22.703	3336	3338	3339	rVB2	2698	1476	0.13%	0.018%
70	23.138	3410	3412	3414	rBV3	2227	1847	0.16%	0.022%
71	23.408	3456	3458	3459	rBV2	2268	2299	0.20%	0.028%
72	23.426	3459	3461	3470	rVB8	6574	15080	1.31%	0.183%
73	24.019	3561	3562	3564	rBV2	2978	1772	0.15%	0.022%
74	24.066	3564	3570	3574	rVV7	7962	16830	1.46%	0.205%
75	24.137	3581	3582	3585	rBV3	2090	1962	0.17%	0.024%
76	24.290	3606	3608	3609	rBV2	2802	1832	0.16%	0.022%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32I

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	24.501	3640	3644	3647	rBV5	4205	7979	0.69%	0.097%
78	24.636	3665	3667	3669	rVB2	3153	2021	0.17%	0.025%
79	24.660	3669	3671	3674	rBV3	2349	2447	0.21%	0.030%
80	24.689	3674	3676	3679	rBV4	2307	2690	0.23%	0.033%
81	24.771	3679	3690	3702	rBV	407487	1155461	100.00%	14.052%
82	24.995	3717	3728	3738	rBV	203469	625603	54.14%	7.608%
83	25.829	3865	3870	3871	rBV4	3712	6348	0.55%	0.077%
84	26.170	3925	3928	3929	rBV3	5057	5012	0.43%	0.061%
85	26.464	3976	3978	3979	rBV	2814	2304	0.20%	0.028%
86	26.622	4003	4005	4006	rVV	2988	1652	0.14%	0.020%
87	27.545	4160	4162	4163	rBV2	5130	4542	0.39%	0.055%
88	27.692	4185	4187	4188	rBV2	2120	1503	0.13%	0.018%
89	28.162	4265	4267	4268	rBV	2124	1543	0.13%	0.019%
90	28.209	4273	4275	4277	rVV	2557	1555	0.13%	0.019%
91	28.737	4363	4365	4367	rBV2	2395	1933	0.17%	0.024%
92	28.855	4383	4385	4386	rBV2	2983	1635	0.14%	0.020%
93	30.101	4595	4597	4598	rBV2	2102	1520	0.13%	0.018%
94	30.541	4670	4672	4673	rBV2	1938	1750	0.15%	0.021%
95	30.670	4691	4694	4695	rBV3	3909	4190	0.36%	0.051%
96	31.340	4806	4808	4811	rBV2	2378	1980	0.17%	0.024%
97	31.693	4866	4868	4873	rVB6	2294	2480	0.21%	0.030%
98	31.734	4873	4875	4877	rBV2	2253	2159	0.19%	0.026%
99	32.545	5012	5013	5015	rBV2	3230	2587	0.22%	0.031%
100	32.592	5019	5021	5022	rVB2	3216	2009	0.17%	0.024%

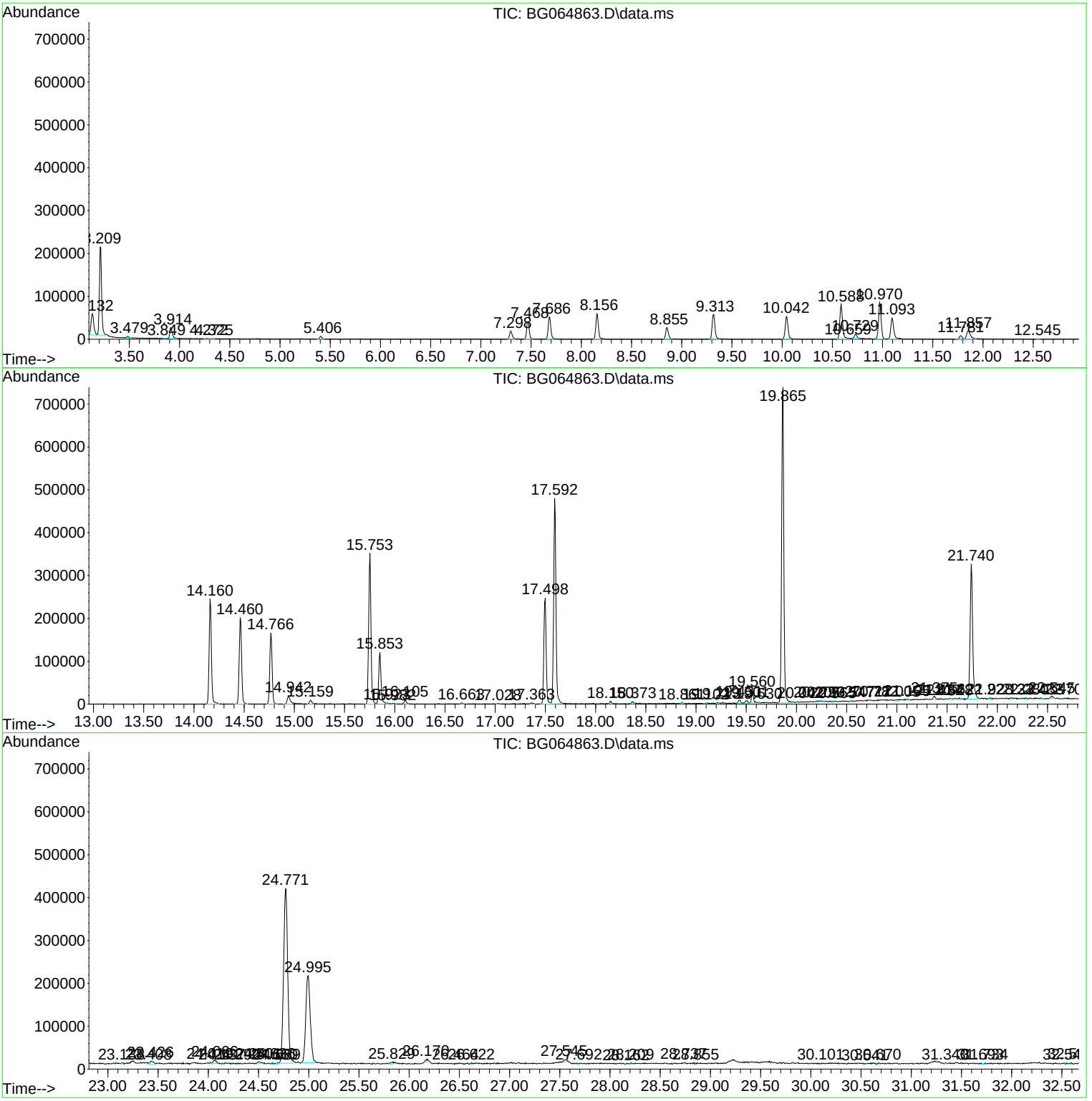
Sum of corrected areas: 8222695

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-32I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-32I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32I

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

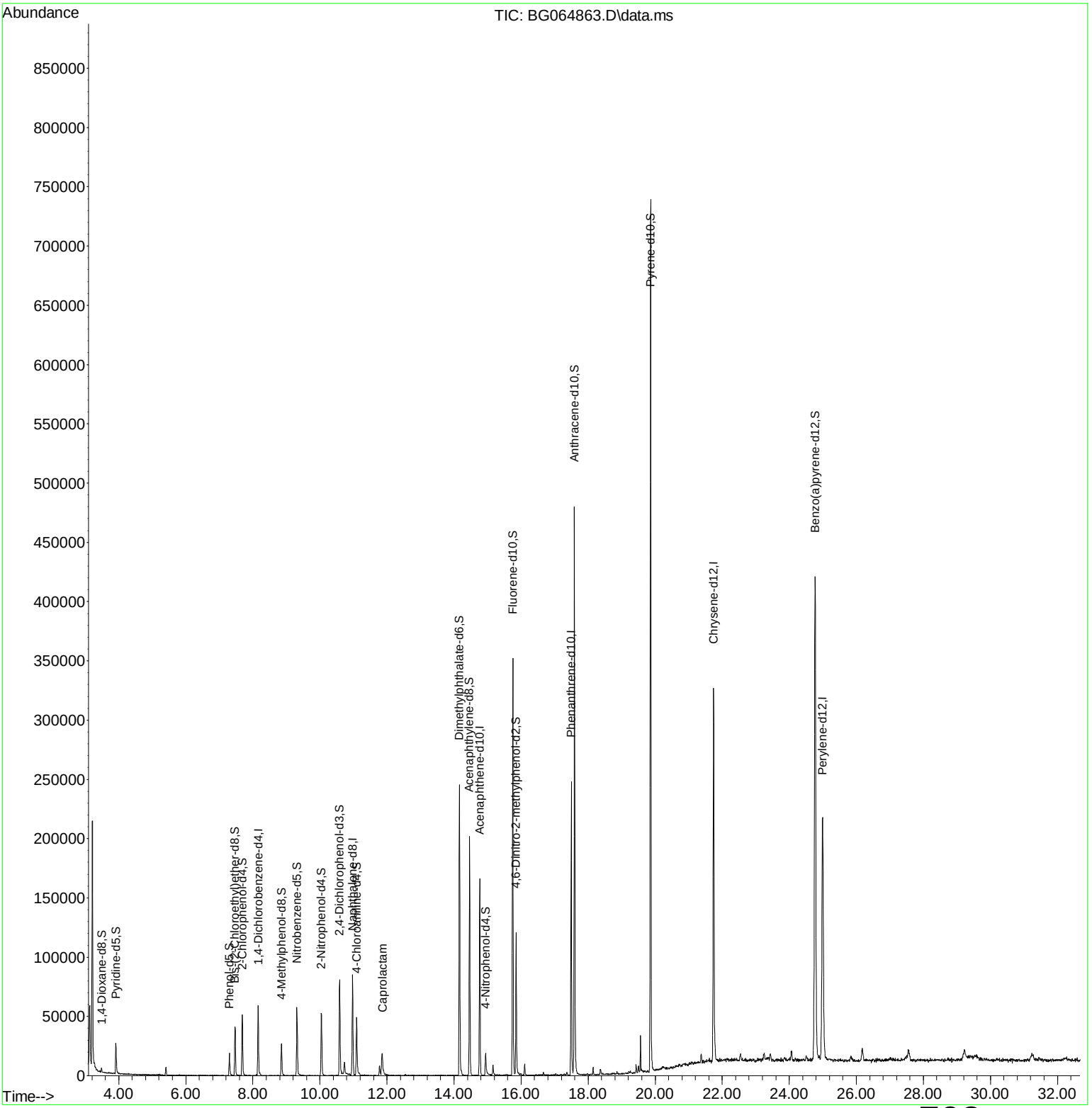
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 17:16:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



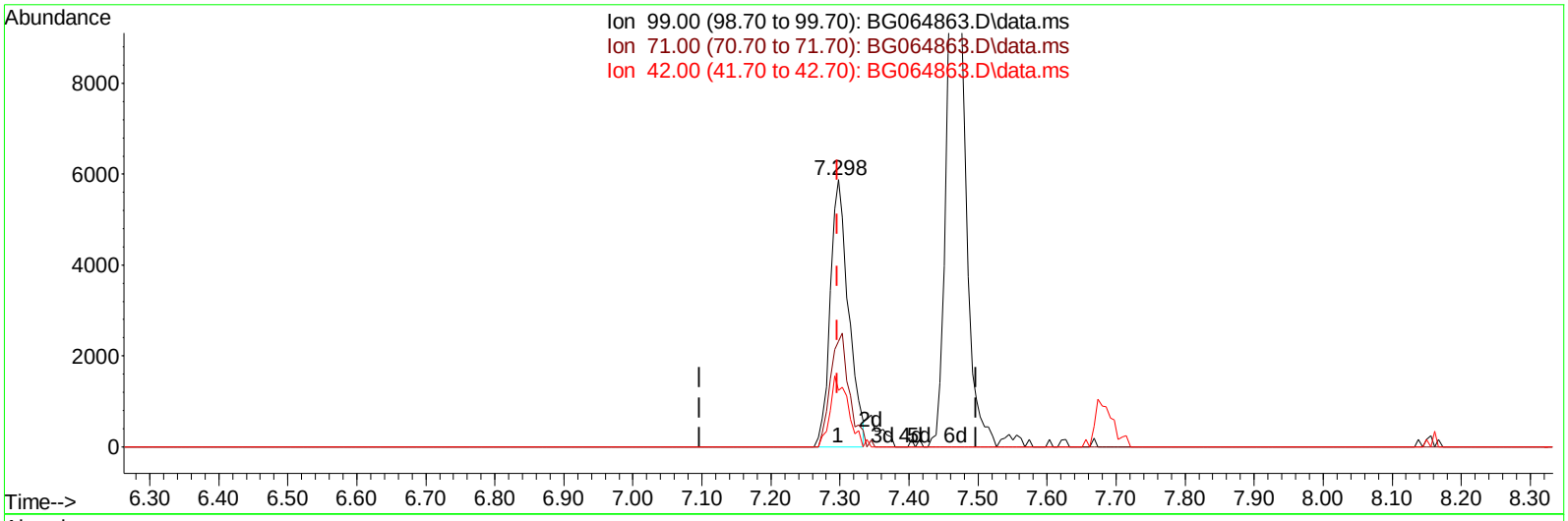
Quantitation Report (Qedit)

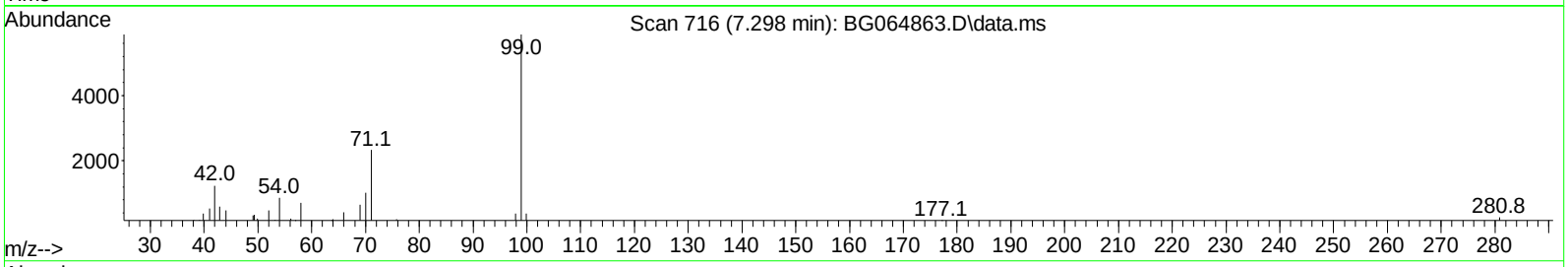
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Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

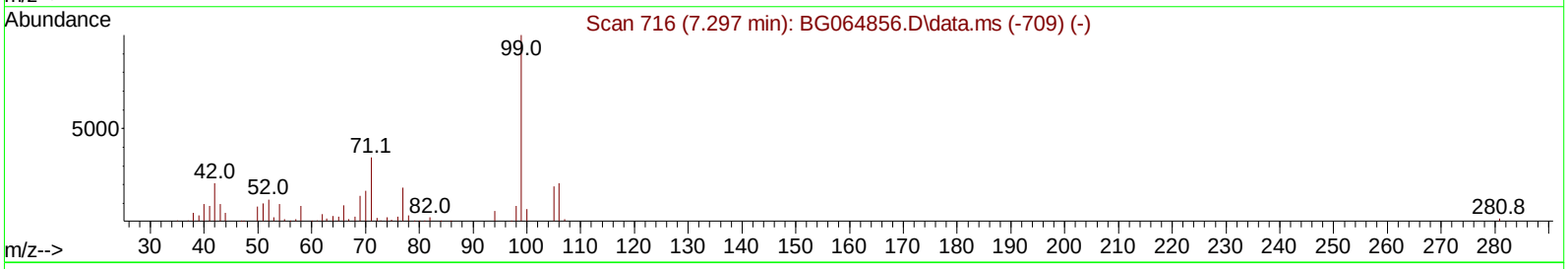
Quant Time: Nov 25 17:15:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
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TIC: BG064863.D\data.ms

(7) Phenol-d5 (S)

7.298min (+ 0.001) 7.42 ng/ul

response 10875

Ion	Exp%	Act%
99.00	100.00	100.00
71.00	35.40	39.62
42.00	19.50	21.05
0.00	0.00	0.00

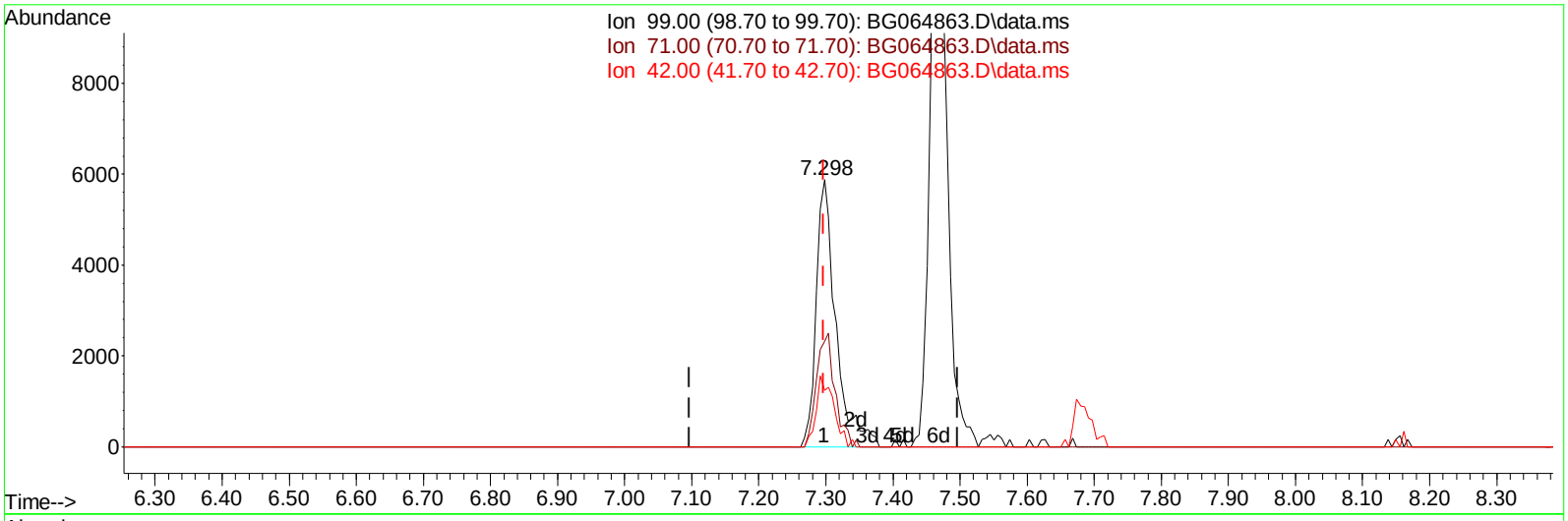
Quantitation Report (Qedit)

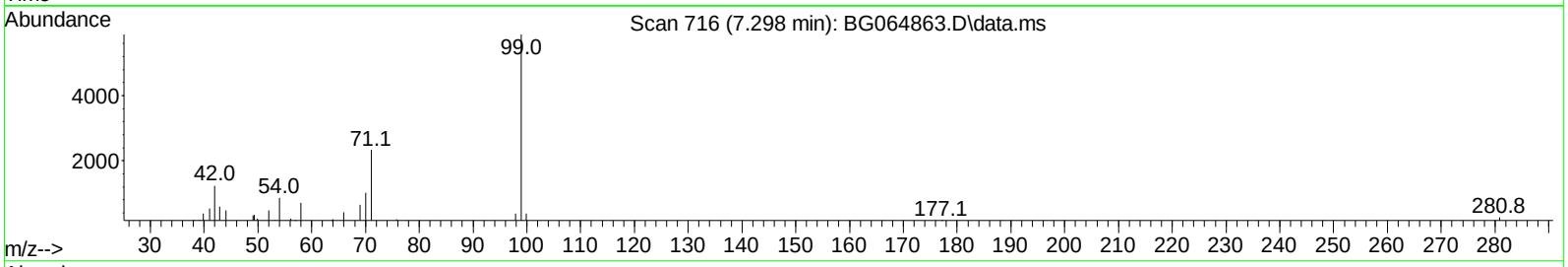
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

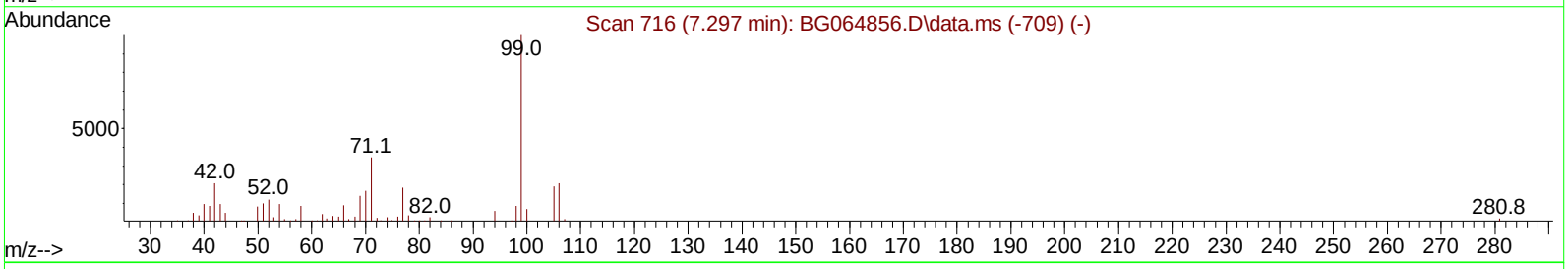
Quant Time: Nov 25 17:15:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064863.D\data.ms

(7) Phenol-d5 (S)

7.298min (+ 0.001) 8.10 ng/ul m

response 11879

Ion	Exp%	Act%
99.00	100.00	100.00
71.00	35.40	39.62
42.00	19.50	21.05
0.00	0.00	0.00

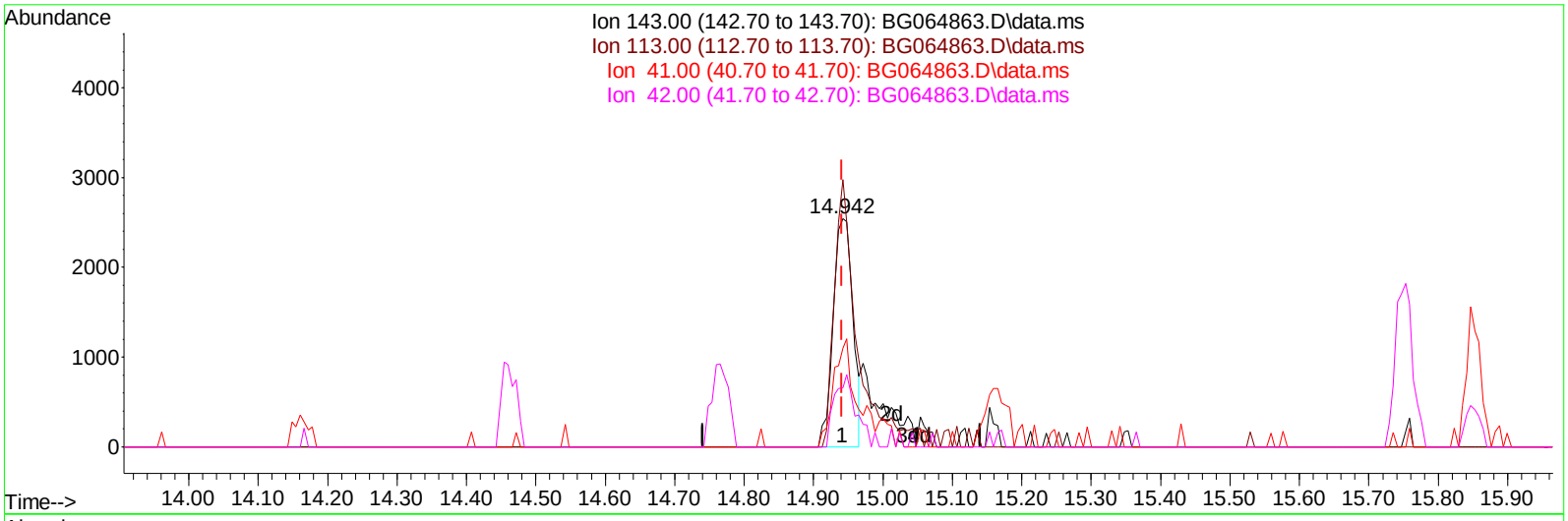
Quantitation Report (Qedit)

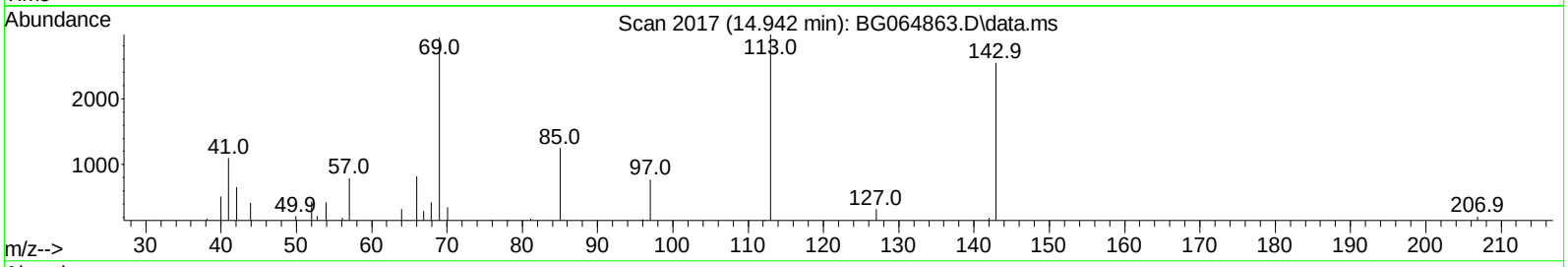
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Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

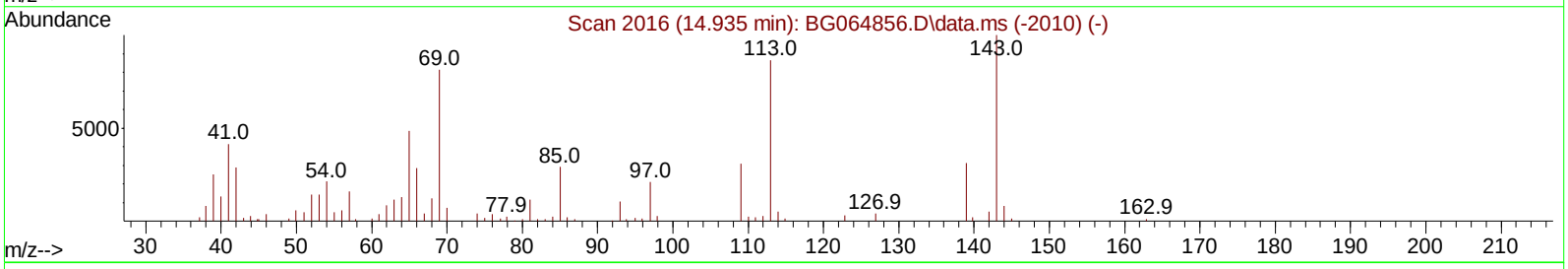
Quant Time: Nov 25 17:15:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
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TIC: BG064863.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.942min (+ 0.001) 6.38 ng/ul

response 5085

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	116.94#
41.00	40.40	43.06
42.00	23.60	25.78

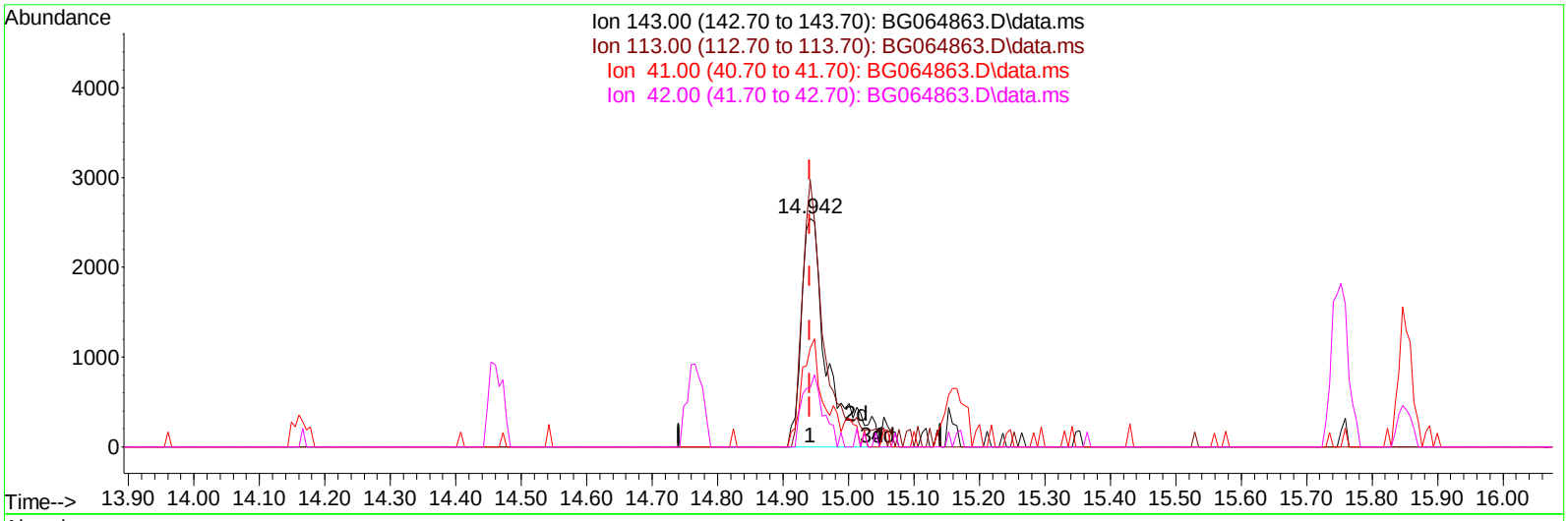
Quantitation Report (Qedit)

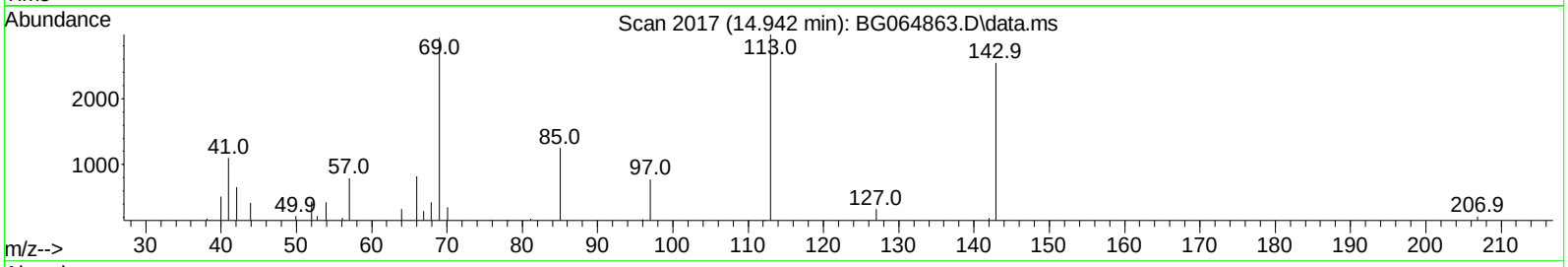
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

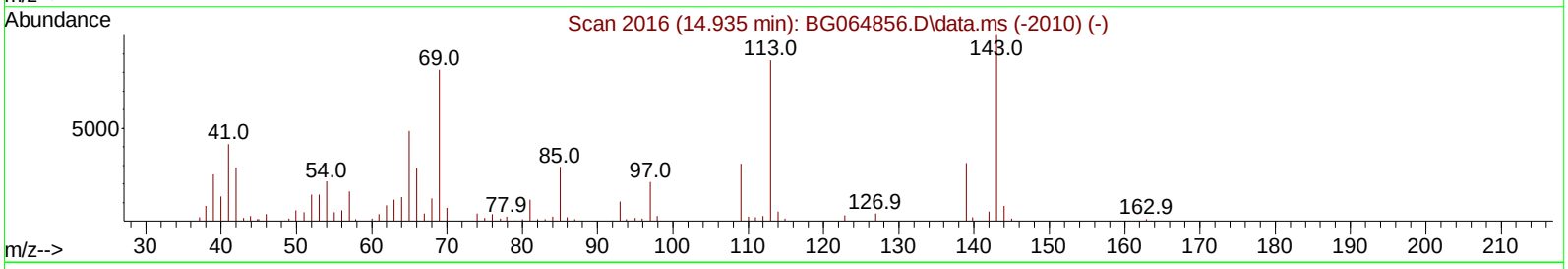
Quant Time: Nov 25 17:15:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
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TIC: BG064863.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.942min (+ 0.001) 9.31 ng/ul m

response 7421

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	116.94#
41.00	40.40	43.06
42.00	23.60	25.78

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064863.D
Acq On : 25 Nov 2025 16:36
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 17:16:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32I

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.162	152	18190	20.000	ng/ul	0.00
20) Naphthalene-d8	10.970	136	71017	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.766	164	66815	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	178026	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.740	240	239888	20.000	ng/ul	0.00
88) Perylene-d12	24.989	264	267060	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.491	96	1697	3.698	ng/uL	0.01
4) Pyridine-d5	3.914	84	11457	9.061	ng/ul	0.00
7) Phenol-d5	7.298	99	11879m	8.101	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.462	67	22580	24.077	ng/ul	0.00
11) 2-Chlorophenol-d4	7.686	132	25327	22.783	ng/ul	0.00
15) 4-Methylphenol-d8	8.849	113	11617	9.192	ng/ul	0.00
21) Nitrobenzene-d5	9.319	128	14767	27.569	ng/ul	0.00
24) 2-Nitrophenol-d4	10.042	143	18442	28.987	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	35197	26.832	ng/ul	0.00
31) 4-Chloroaniline-d4	11.093	131	27933	16.660	ng/ul	0.00
46) Dimethylphthalate-d6	14.160	166	186447	35.475	ng/ul	0.00
49) Acenaphthylene-d8	14.460	160	151855	26.979	ng/ul	0.00
54) 4-Nitrophenol-d4	14.942	143	7421m	9.313	ng/ul	0.00
60) Fluorene-d10	15.753	176	158998	33.698	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.853	200	37116	32.564	ng/ul	0.00
73) Anthracene-d10	17.592	188	329500	36.629	ng/ul	0.00
81) Pyrene-d10	19.860	212	487435	39.558	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	534065	37.904	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.863	113	4152	9.713	ng/ul	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-10
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064865.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-32S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-10
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064865.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/25/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.856	3.1	JN
2	000119-61-9	Benzophenone	16.104	2.1	JN
3	E966796	Total Alkanes	N/A	17	

EPA-designated Registry Number.

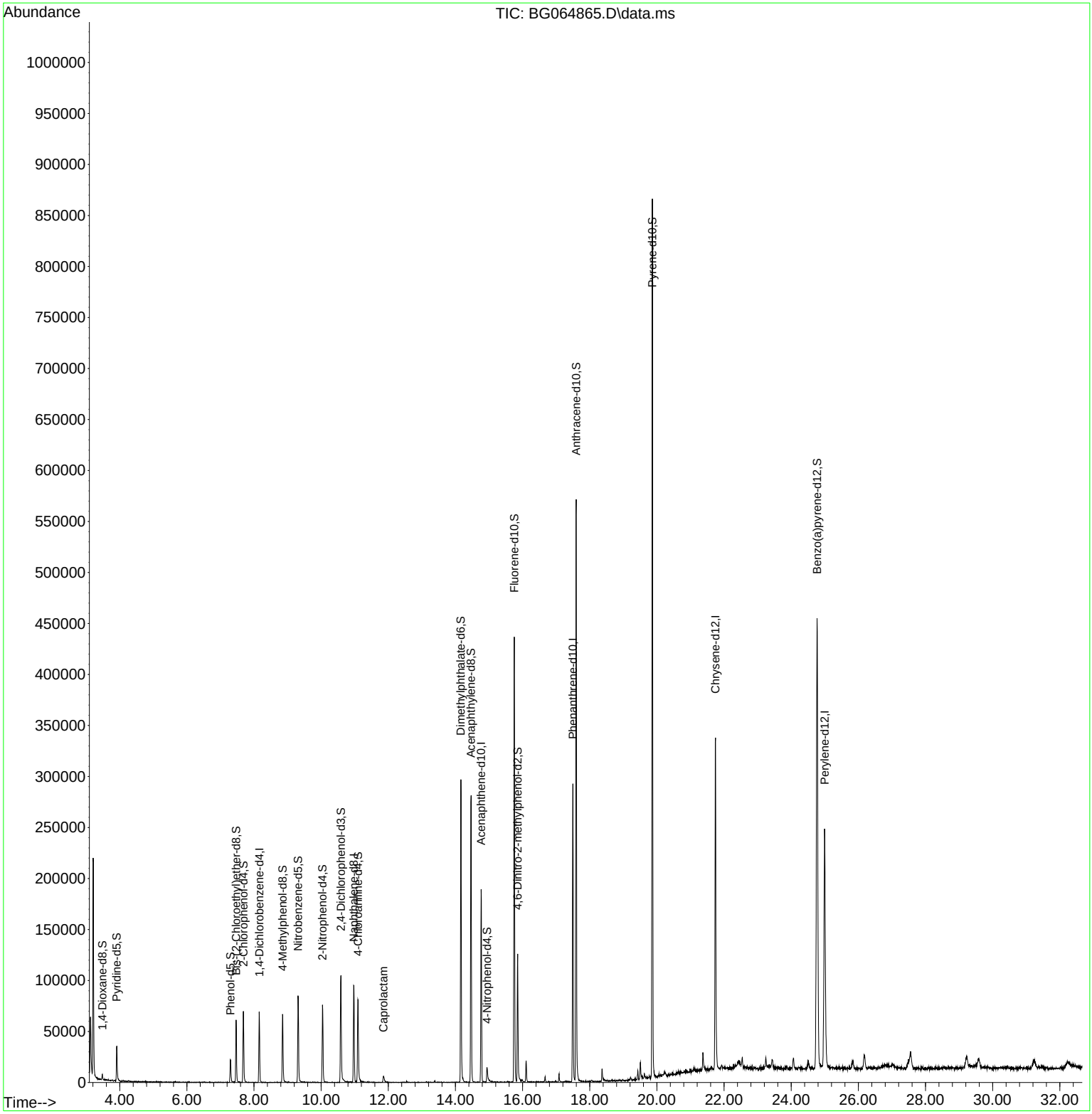
Quantitation Report (LSC Reviewed)

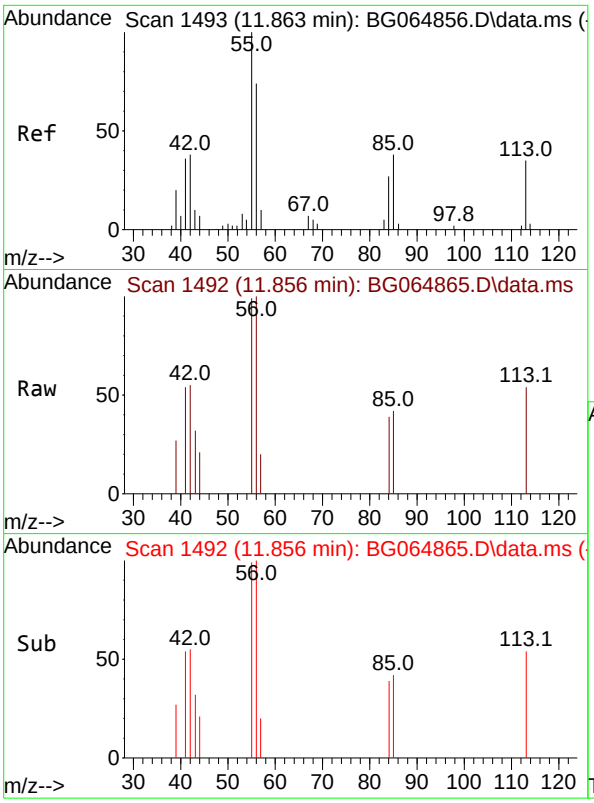
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Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 02:05:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32S

Manual Integrations APPROVED
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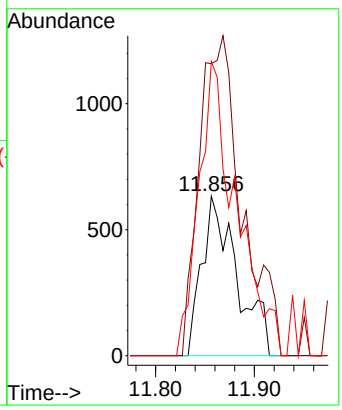




#34
Caprolactam
Concen: 3.061 ng/ul m
RT: 11.856 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BG064865.D
Acq: 25 Nov 2025 17:58

Tgt Ion:113 Resp: 1562

Ion	Ratio	Lower	Upper
113	100		
55	183.1	187.9	281.9#
56	184.5	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-32S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-32S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 26 02:05:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	20582	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	84782	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.765	164	76060	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	198464	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	248527	20.000	ng/ul	# 0.00
88) Perylene-d12	24.994	264	274864	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	2415	4.651	ng/uL	0.00
4) Pyridine-d5	3.913	84	16676	11.655	ng/ul	0.00
7) Phenol-d5	7.297	99	13441	8.101	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	30685	28.917	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	33957	26.996	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	27171	19.001	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	20859	32.619	ng/ul	0.00
24) 2-Nitrophenol-d4	10.041	143	25211	33.193	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	46744	29.850	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	47122	23.542	ng/ul	0.00
46) Dimethylphthalate-d6	14.160	166	231100	38.626	ng/ul	0.00
49) Acenaphthylene-d8	14.459	160	212050	33.094	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	7043m	7.765	ng/ul	0.00
60) Fluorene-d10	15.752	176	199631	37.167	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	39190	30.843	ng/ul	0.00
73) Anthracene-d10	17.597	188	398890	39.776	ng/ul	0.00
81) Pyrene-d10	19.865	212	529796	41.501	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	581966	40.131	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.856	113	1562m	3.061	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064865.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.131	3	7	15	rVB	55405	102146	8.15%	1.064%
2	3.208	15	20	36	rVB	215324	331556	26.46%	3.455%
3	3.484	63	67	73	rVB	5460	7958	0.64%	0.083%
4	3.913	135	140	148	rBV	34459	59388	4.74%	0.619%
5	7.297	711	716	725	rBV3	22332	43092	3.44%	0.449%
6	7.467	737	745	755	rBV	61381	103944	8.30%	1.083%
7	7.685	776	782	794	rBV	69894	128596	10.26%	1.340%
8	8.155	855	862	875	rBB	69460	119572	9.54%	1.246%
9	8.848	973	980	994	rBV	66953	126472	10.09%	1.318%
10	9.312	1052	1059	1069	rBV	85186	160097	12.78%	1.668%
11	10.041	1177	1183	1193	rBV2	76127	138780	11.08%	1.446%
12	10.587	1269	1276	1287	rBV	104864	208111	16.61%	2.168%
13	10.969	1335	1341	1350	rBV	94876	178160	14.22%	1.856%
14	11.093	1354	1362	1374	rBV2	80923	165287	13.19%	1.722%
15	11.856	1485	1492	1500	rBV3	6142	15716	1.25%	0.164%
16	13.384	1747	1752	1758	rVB2	1762	2433	0.19%	0.025%
17	14.160	1876	1884	1893	rBV	296946	467973	37.35%	4.876%
18	14.224	1893	1895	1902	rVB	3627	4782	0.38%	0.050%
19	14.465	1929	1936	1947	rBV2	281199	467854	37.34%	4.875%
20	14.765	1979	1987	1996	rBV	189157	306467	24.46%	3.193%
21	14.935	2011	2016	2028	rBV3	14463	35924	2.87%	0.374%
22	15.752	2148	2155	2166	rBV	436570	699685	55.85%	7.290%
23	15.852	2166	2172	2187	rVV	125711	212390	16.95%	2.213%
24	15.969	2189	2192	2193	rVV2	1963	2209	0.18%	0.023%
25	15.987	2193	2195	2202	rVB5	2304	3276	0.26%	0.034%
26	16.104	2208	2215	2224	rBV	20939	32614	2.60%	0.340%
27	16.668	2305	2311	2316	rVB4	5321	7907	0.63%	0.082%
28	17.086	2377	2382	2390	rBV3	8077	11315	0.90%	0.118%
29	17.497	2445	2452	2462	rBV	292191	443056	35.36%	4.616%
30	17.597	2462	2469	2482	rVV	570745	916945	73.19%	9.554%
31	18.055	2542	2547	2552	rBV5	1820	3847	0.31%	0.040%
32	18.366	2595	2600	2609	rVV5	12506	23663	1.89%	0.247%
33	18.425	2609	2610	2615	rVV	1944	3142	0.25%	0.033%
34	18.977	2700	2704	2709	rBV3	1600	2819	0.23%	0.029%
35	19.083	2718	2722	2724	rBV2	1380	2114	0.17%	0.022%
36	19.213	2741	2744	2752	rVB6	3346	5865	0.47%	0.061%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	19.430	2775	2781	2786	rVB4	9285	14015	1.12%	0.146%
38	19.506	2788	2794	2799	rBV4	16898	29964	2.39%	0.312%
39	19.624	2811	2814	2820	rBV6	4449	5816	0.46%	0.061%
40	19.771	2834	2839	2842	rVB5	2725	3606	0.29%	0.038%
41	19.865	2846	2855	2866	rBV	862949	1222976	97.61%	12.742%
42	20.059	2884	2888	2890	rVV3	3381	3645	0.29%	0.038%
43	20.217	2911	2915	2916	rBV3	2958	3002	0.24%	0.031%
44	20.458	2954	2956	2958	rBV3	2219	2191	0.17%	0.023%
45	20.605	2979	2981	2983	rVV4	1775	1856	0.15%	0.019%
46	20.640	2985	2987	2991	rVB5	3553	3618	0.29%	0.038%
47	20.711	2997	2999	3001	rVB3	2559	2360	0.19%	0.025%
48	21.134	3069	3071	3074	rVB4	2945	2124	0.17%	0.022%
49	21.181	3078	3079	3082	rBV2	2649	3198	0.26%	0.033%
50	21.369	3107	3111	3117	rBV4	16937	28147	2.25%	0.293%
51	21.627	3151	3155	3158	rVB5	2920	4341	0.35%	0.045%
52	21.745	3168	3175	3185	rBV	322614	582177	46.47%	6.066%
53	22.027	3221	3223	3225	rBV2	2483	1887	0.15%	0.020%
54	22.144	3241	3243	3245	rBV3	2016	2134	0.17%	0.022%
55	22.280	3264	3266	3268	rBV3	4467	2681	0.21%	0.028%
56	22.321	3271	3273	3275	rBV3	2445	2277	0.18%	0.024%
57	22.544	3308	3311	3316	rVB6	10504	15748	1.26%	0.164%
58	22.738	3342	3344	3345	rBV2	3068	2586	0.21%	0.027%
59	22.785	3350	3352	3355	rVB4	3744	3138	0.25%	0.033%
60	22.808	3355	3356	3359	rBV3	3168	2895	0.23%	0.030%
61	22.885	3366	3369	3372	rBV5	3103	4911	0.39%	0.051%
62	23.090	3401	3404	3407	rVB5	2860	3075	0.25%	0.032%
63	23.173	3416	3418	3421	rVB4	2989	2749	0.22%	0.029%
64	23.243	3427	3430	3438	rVB6	9534	14546	1.16%	0.152%
65	23.619	3493	3494	3497	rBV3	2840	1805	0.14%	0.019%
66	23.831	3529	3530	3532	rBV2	3189	2763	0.22%	0.029%
67	23.942	3547	3549	3552	rVB4	3314	3715	0.30%	0.039%
68	24.066	3563	3570	3579	rBV8	10719	26318	2.10%	0.274%
69	24.289	3606	3608	3609	rBV2	3074	2263	0.18%	0.024%
70	24.500	3639	3644	3650	rBV8	8408	17520	1.40%	0.183%
71	24.771	3679	3690	3702	rBV	438864	1252880	100.00%	13.054%
72	24.994	3718	3728	3745	rVB	233272	673059	53.72%	7.013%
73	25.435	3802	3803	3805	rBV2	2924	2042	0.16%	0.021%
74	25.564	3822	3825	3827	rBV4	2952	3503	0.28%	0.036%
75	25.723	3850	3852	3855	rVB4	3078	2763	0.22%	0.029%
76	25.799	3864	3865	3866	rBV	4271	2166	0.17%	0.023%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32S

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	25.828	3866	3870	3871	rVV4	5063	6013	0.48%	0.063%
78	26.075	3910	3912	3913	rBV2	2254	1930	0.15%	0.020%
79	26.169	3920	3928	3929	rBV4	13481	22214	1.77%	0.231%
80	26.715	4020	4021	4023	rBV2	3930	2686	0.21%	0.028%
81	27.068	4079	4081	4083	rVB3	2847	2480	0.20%	0.026%
82	27.180	4097	4100	4101	rBV3	3699	3934	0.31%	0.041%
83	27.438	4141	4144	4145	rBV3	3121	3070	0.25%	0.032%
84	27.468	4147	4149	4151	rVV3	3071	3593	0.29%	0.037%
85	27.491	4151	4153	4154	rVV2	4300	2948	0.24%	0.031%
86	28.008	4239	4241	4243	rBV2	2450	1969	0.16%	0.021%
87	28.061	4248	4250	4252	rVV3	2270	2024	0.16%	0.021%
88	28.102	4255	4257	4260	rVB4	3269	2495	0.20%	0.026%
89	28.155	4264	4266	4269	rVB4	3584	2318	0.19%	0.024%
90	28.866	4385	4387	4388	rBV2	2285	1919	0.15%	0.020%
91	28.907	4392	4394	4397	rVV3	2447	2458	0.20%	0.026%
92	29.089	4423	4425	4430	rBV5	2747	3433	0.27%	0.036%
93	29.171	4437	4439	4441	rBV3	5584	6138	0.49%	0.064%
94	29.524	4498	4499	4501	rBV2	3647	2644	0.21%	0.028%
95	29.853	4551	4555	4556	rBV4	3782	4722	0.38%	0.049%
96	30.000	4578	4580	4582	rBV3	2856	2002	0.16%	0.021%
97	31.586	4848	4850	4851	rBV	2580	2141	0.17%	0.022%
98	32.133	4941	4943	4945	rBV3	2725	2648	0.21%	0.028%
99	32.368	4981	4983	4984	rBV2	2884	1948	0.16%	0.020%
100	32.415	4989	4991	4995	rVB4	2728	2357	0.19%	0.025%

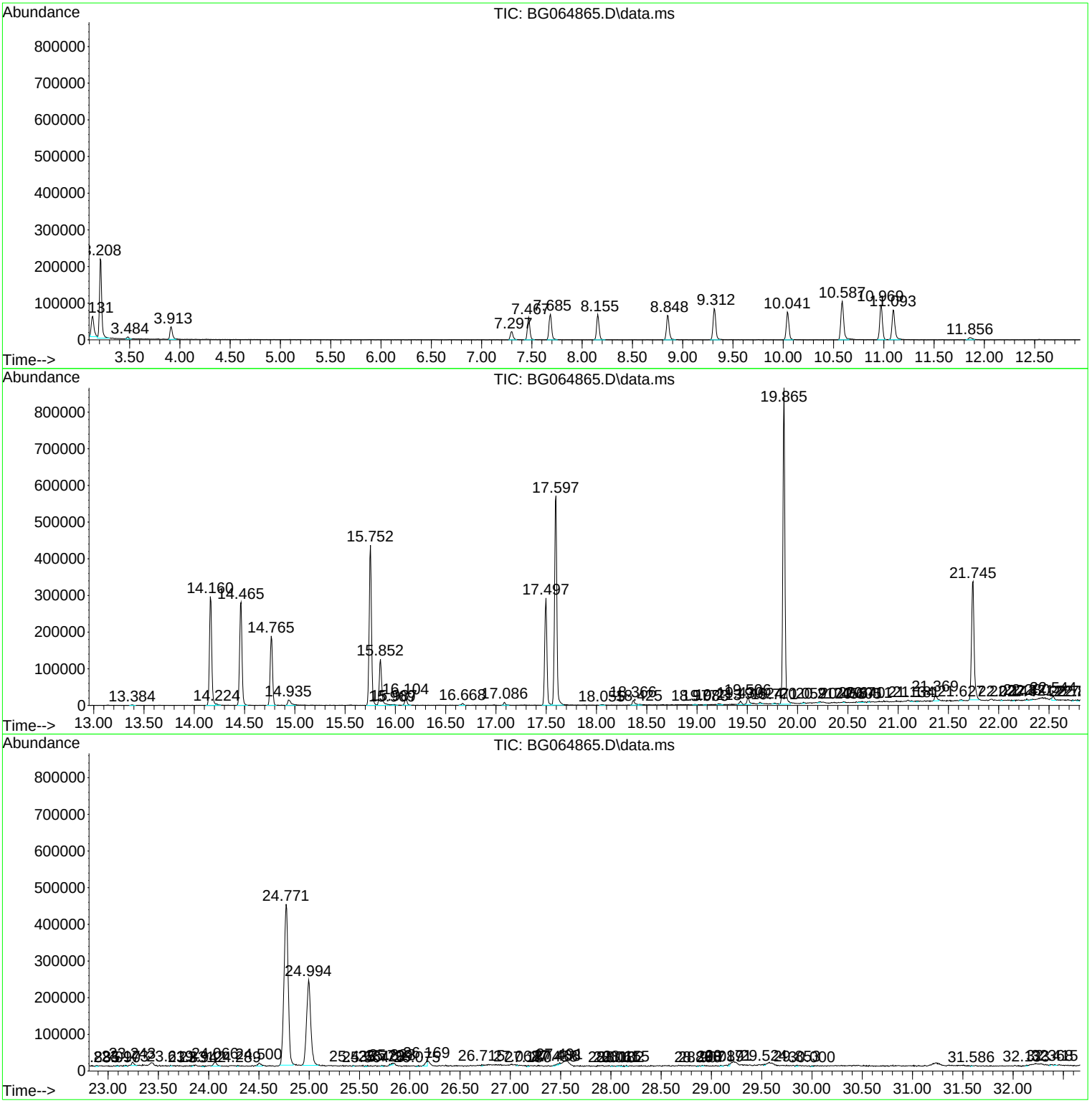
Sum of corrected areas: 9597699

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32S

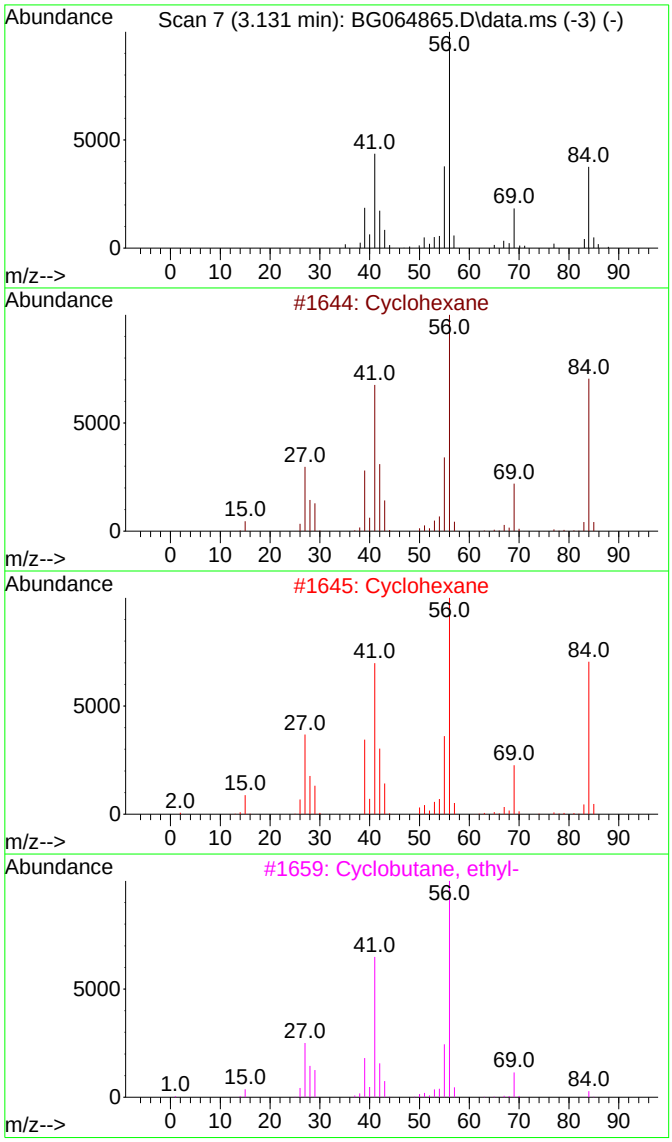
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

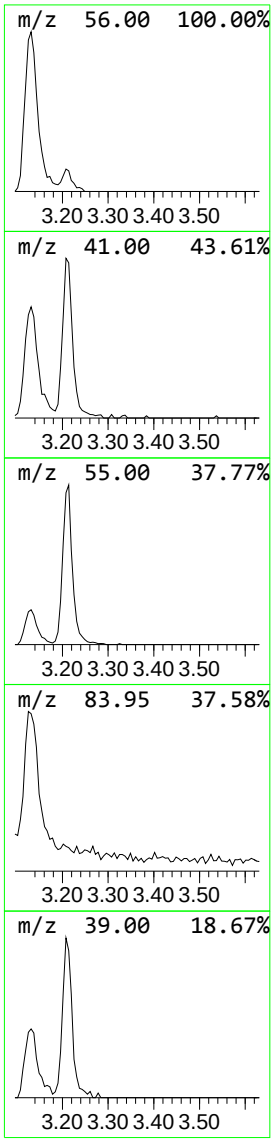
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic3.131 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.131	17.09 ng/ul	102146	1,4-Dichlorobenzene-d4	8.161

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	90
2	Cyclohexane	84	C6H12	000110-82-7	87
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
5	2-Amino-oxazole	84	C3H4N2O	004570-45-0	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

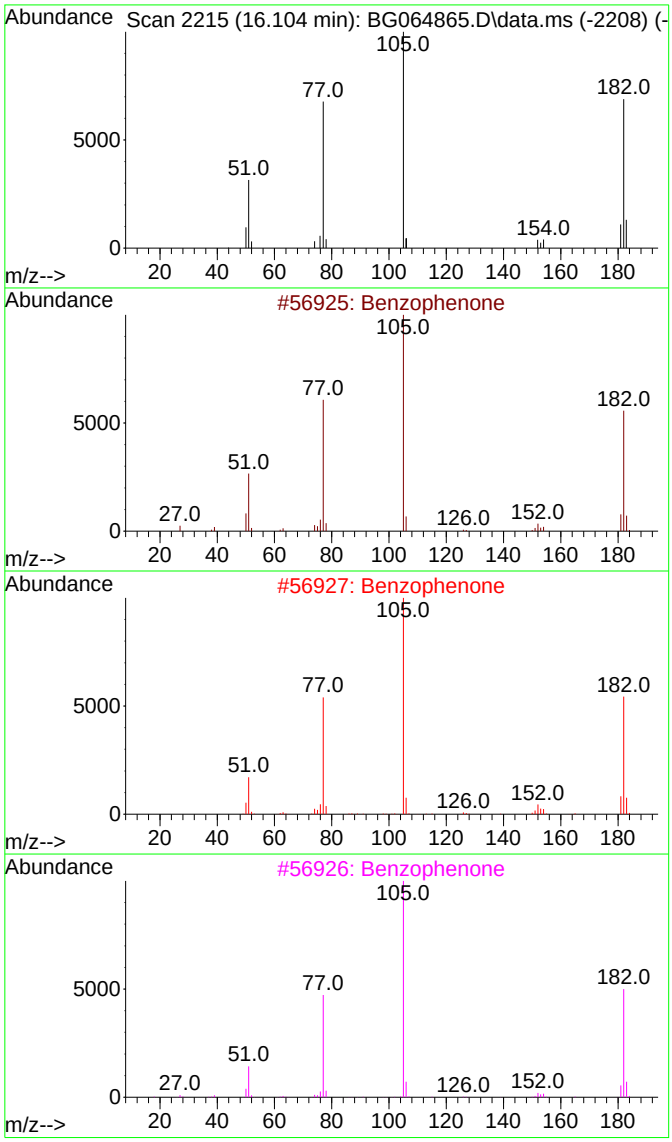
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

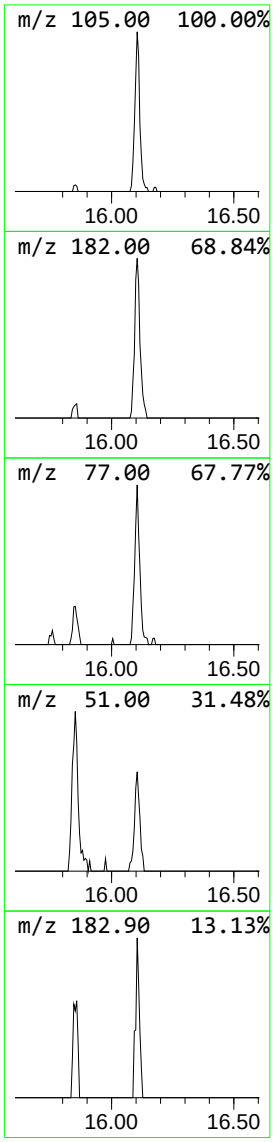
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Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.104	2.13 ng/ul	32614	Acenaphthene-d10	14.765

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzophenone	182	C13H10O	000119-61-9	93
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	91
5	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	72





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Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: C...	3.131	17.1	ng/ul	102146	1	8.161	119572	20.0
Benzophenone	16.104	2.1	ng/ul	32614	3	14.765	306467	20.0

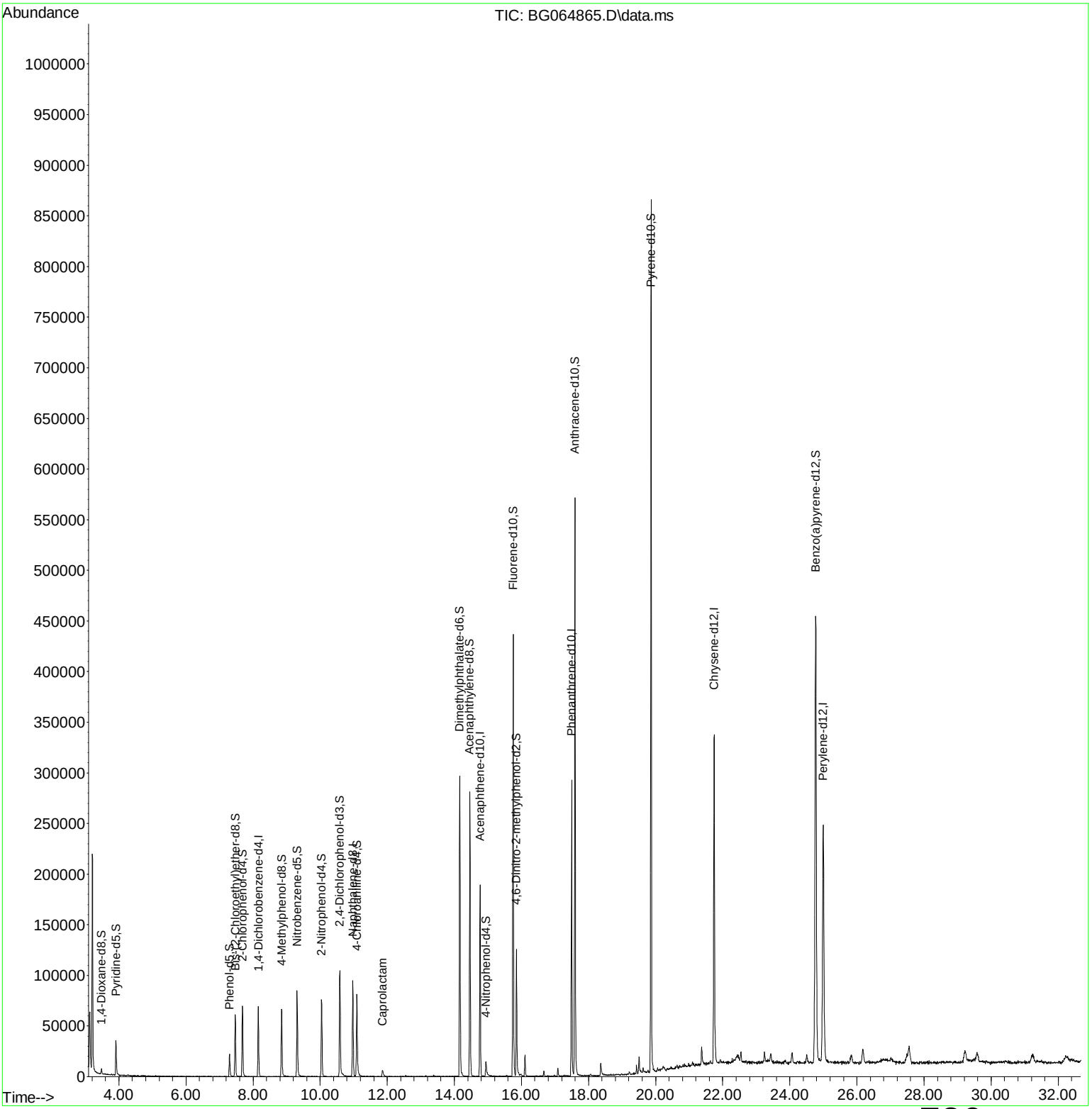
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 02:05:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



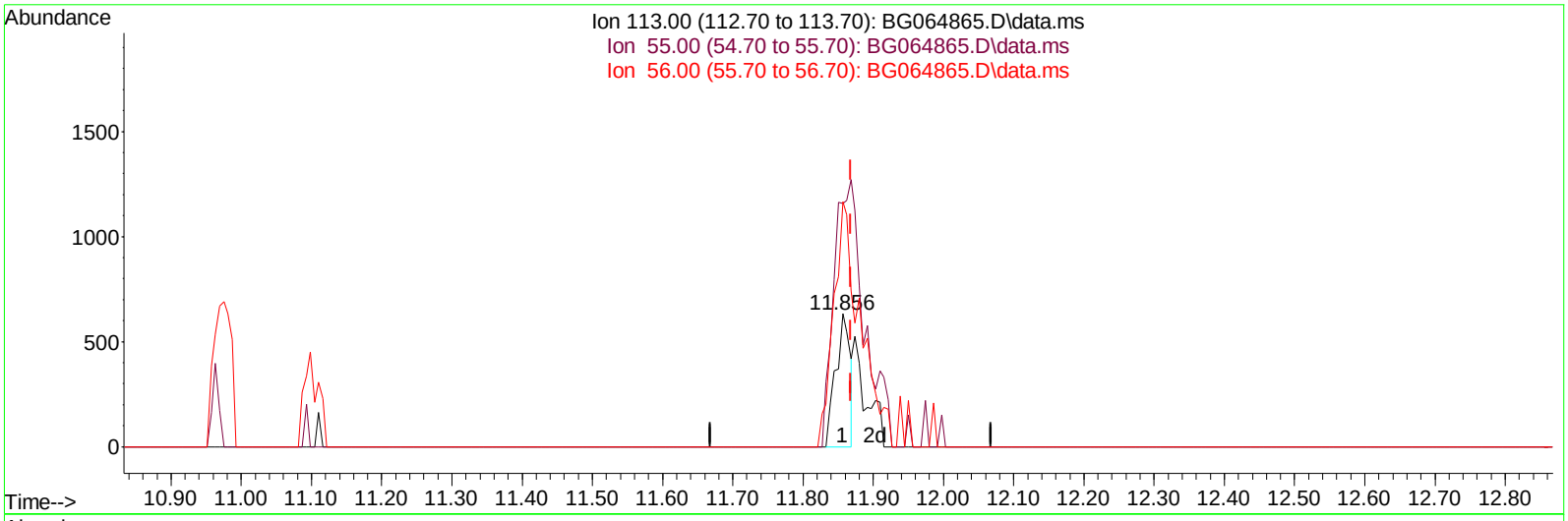
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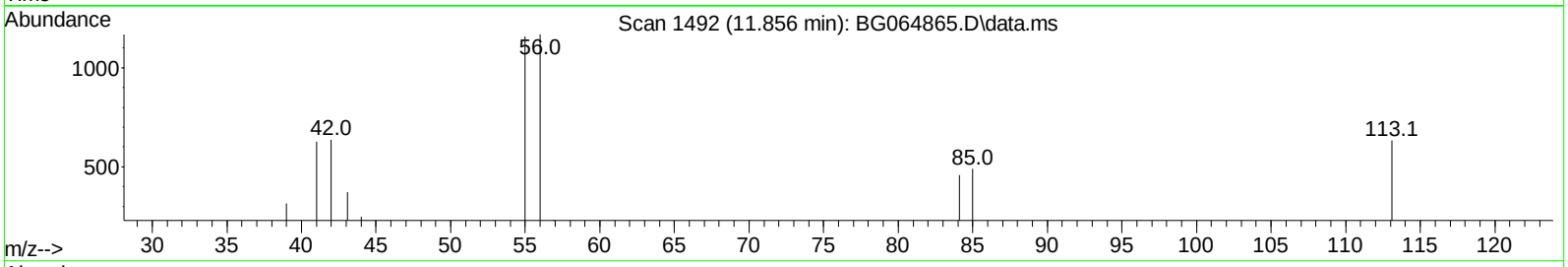
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

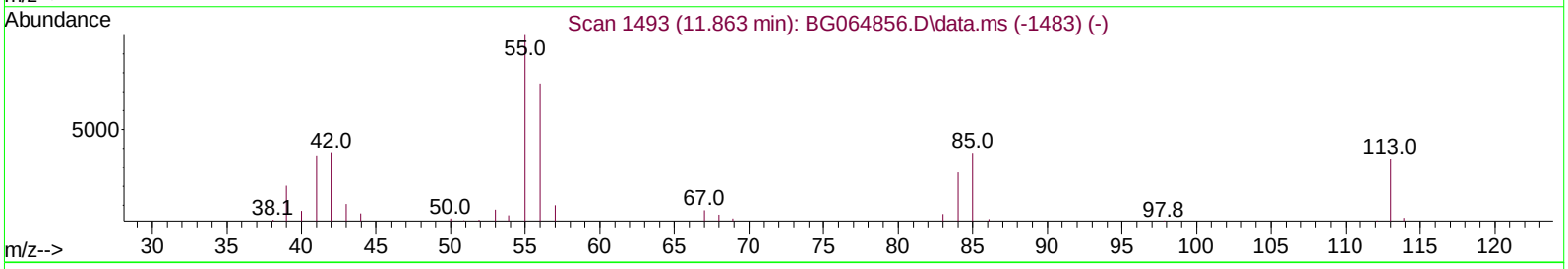
Quant Time: Nov 26 07:06:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064865.D\data.ms

(34) Caprolactam

11.856min (-0.012) 1.75 ng/ul

response 894

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	183.10#
56.00	159.40	184.52
0.00	0.00	0.00

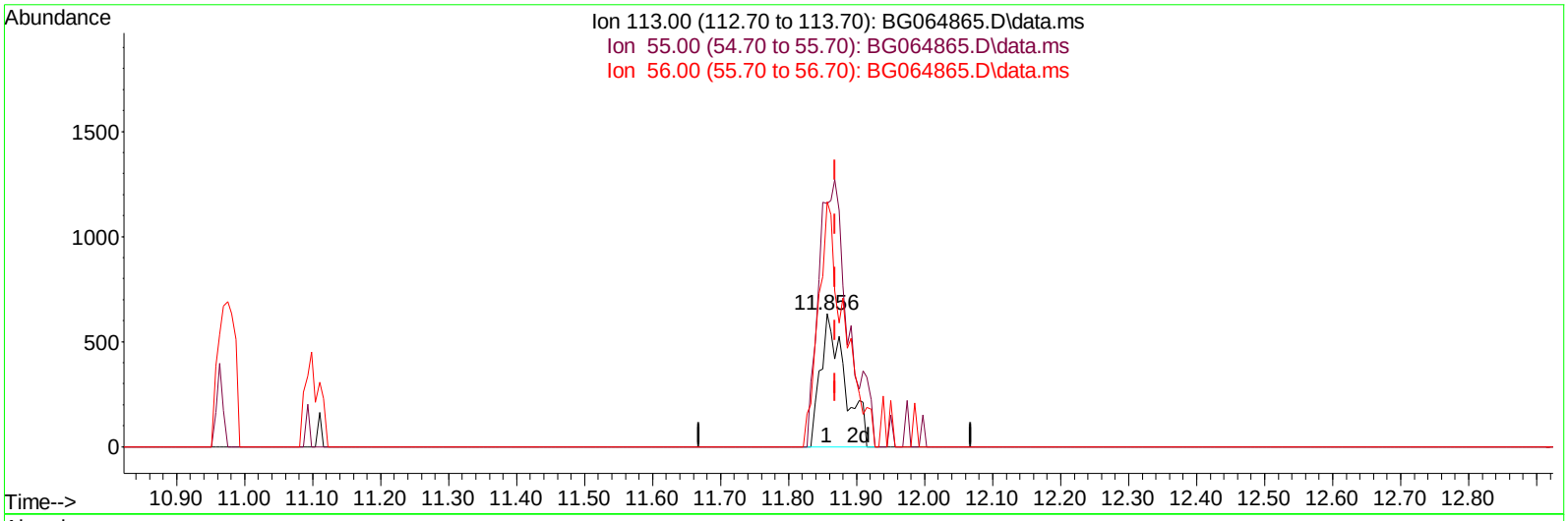
Quantitation Report (Qedit)

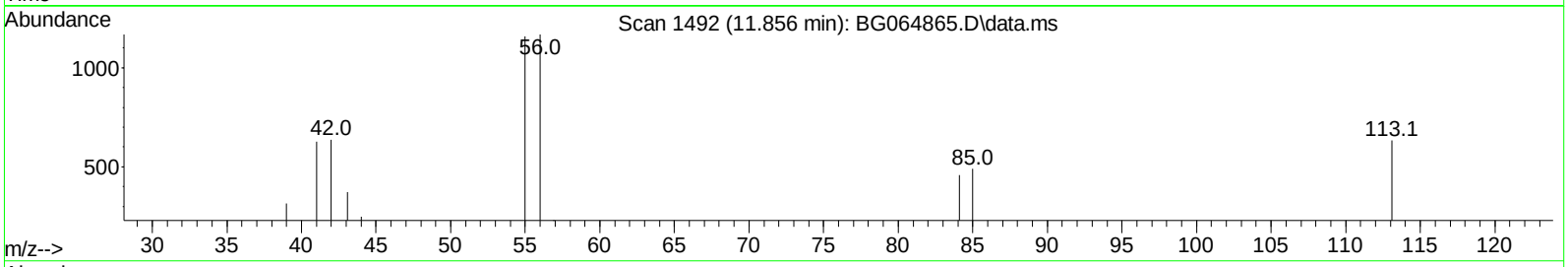
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

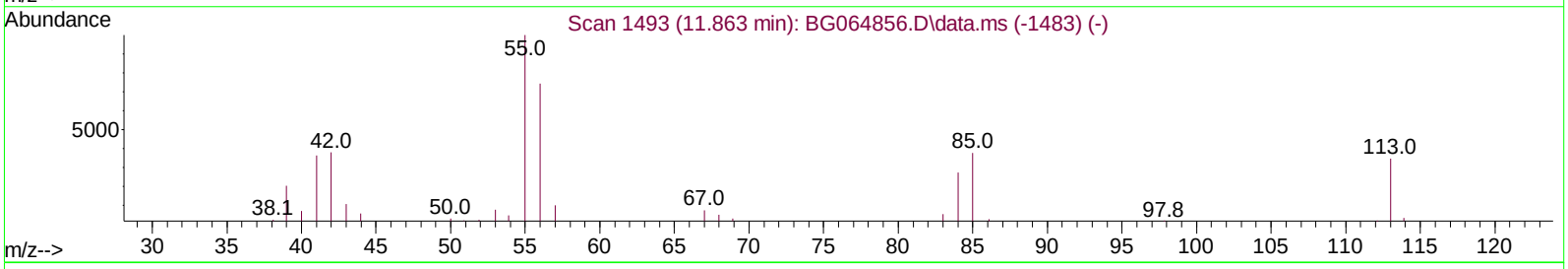
Quant Time: Nov 26 02:05:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064865.D\data.ms

(34) Caprolactam

11.856min (-0.012) 3.06 ng/ul m

response 1562

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	183.10#
56.00	159.40	184.52
0.00	0.00	0.00

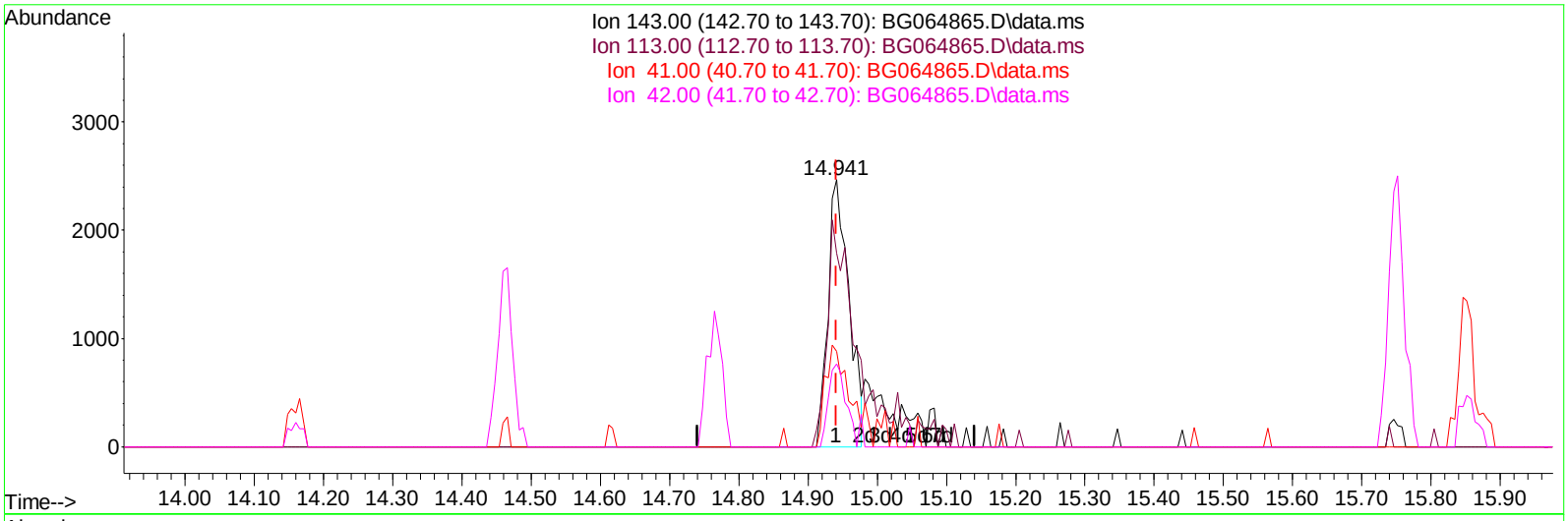
Quantitation Report (Qedit)

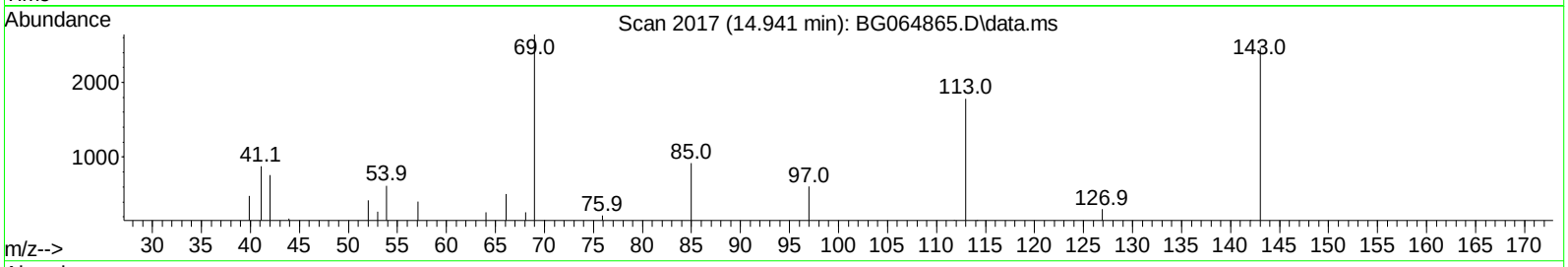
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

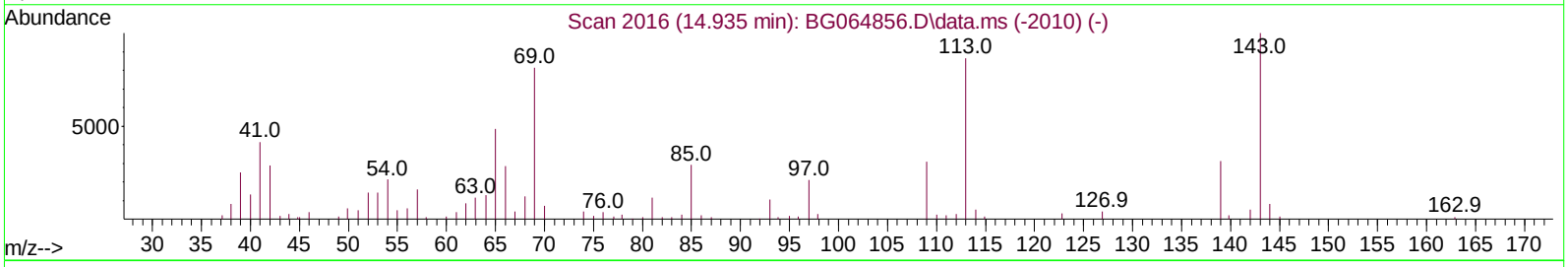
Quant Time: Nov 26 07:06:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064865.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 5.69 ng/ul

response 5160

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	72.38
41.00	40.40	35.64
42.00	23.60	30.94#

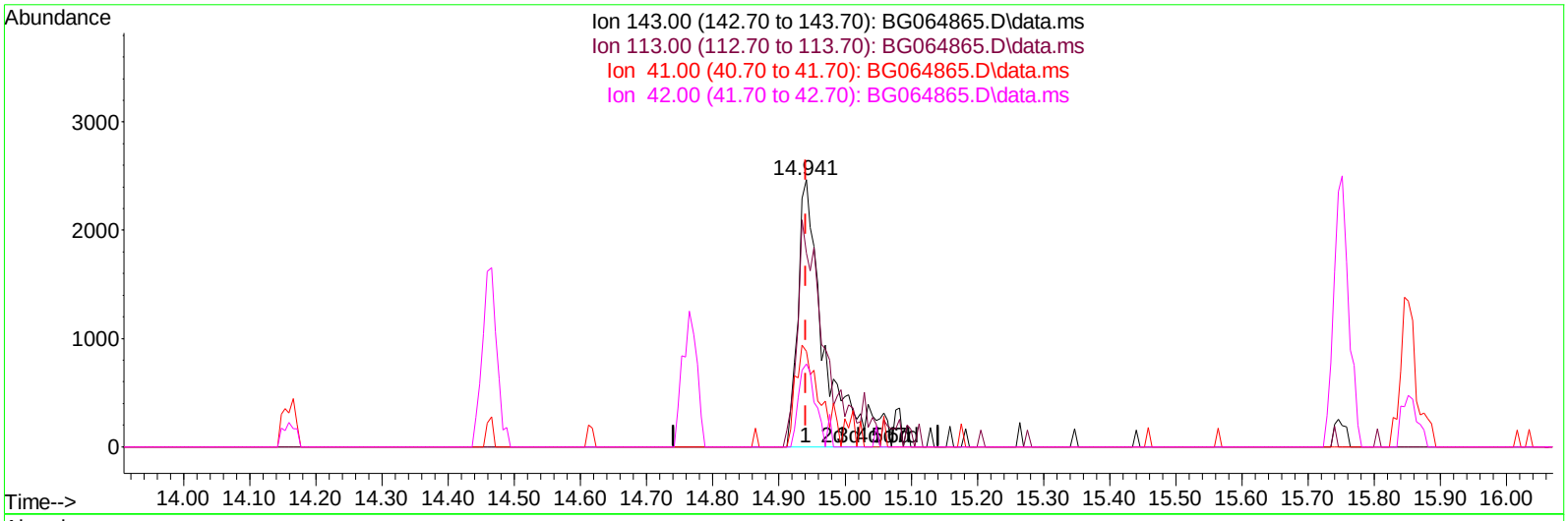
Quantitation Report (Qedit)

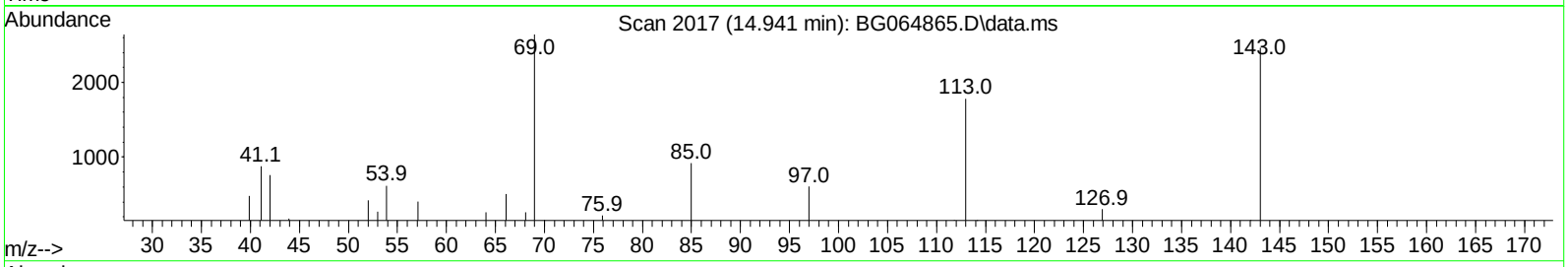
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

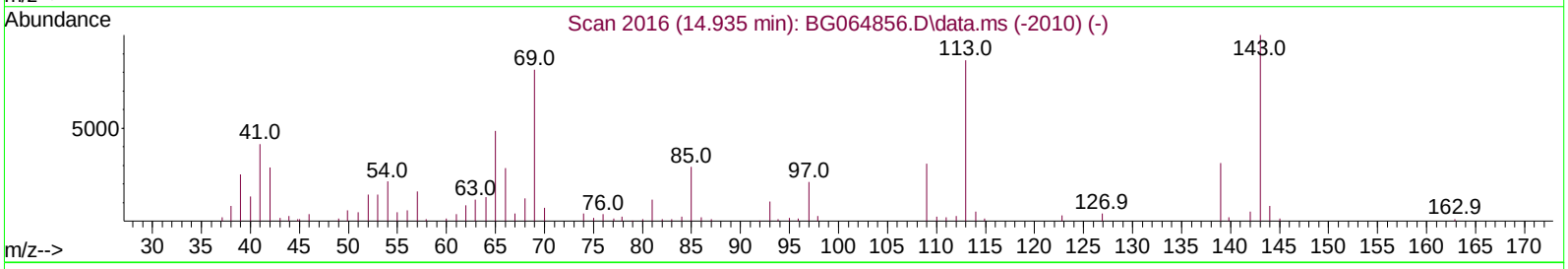
Quant Time: Nov 26 02:05:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-32S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064865.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 7.76 ng/ul m

response 7043

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	72.38
41.00	40.40	35.64
42.00	23.60	30.94#

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064865.D
Acq On : 25 Nov 2025 17:58
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 02:05:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : M-32S

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	20582	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	84782	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.765	164	76060	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	198464	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	248527	20.000	ng/ul	# 0.00
88) Perylene-d12	24.994	264	274864	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	2415	4.651	ng/uL	0.00
4) Pyridine-d5	3.913	84	16676	11.655	ng/ul	0.00
7) Phenol-d5	7.297	99	13441	8.101	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	30685	28.917	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	33957	26.996	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	27171	19.001	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	20859	32.619	ng/ul	0.00
24) 2-Nitrophenol-d4	10.041	143	25211	33.193	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	46744	29.850	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	47122	23.542	ng/ul	0.00
46) Dimethylphthalate-d6	14.160	166	231100	38.626	ng/ul	0.00
49) Acenaphthylene-d8	14.459	160	212050	33.094	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	7043m	7.765	ng/ul	0.00
60) Fluorene-d10	15.752	176	199631	37.167	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	39190	30.843	ng/ul	0.00
73) Anthracene-d10	17.597	188	398890	39.776	ng/ul	0.00
81) Pyrene-d10	19.865	212	529796	41.501	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	581966	40.131	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.856	113	1562m	3.061	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-04
Sample wt/vol : 970 (g/mL) mL
Lab File ID : BG064862.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.2	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.2	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-04
Sample wt/vol : 970 (g/mL) mL
Lab File ID : BG064862.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/25/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

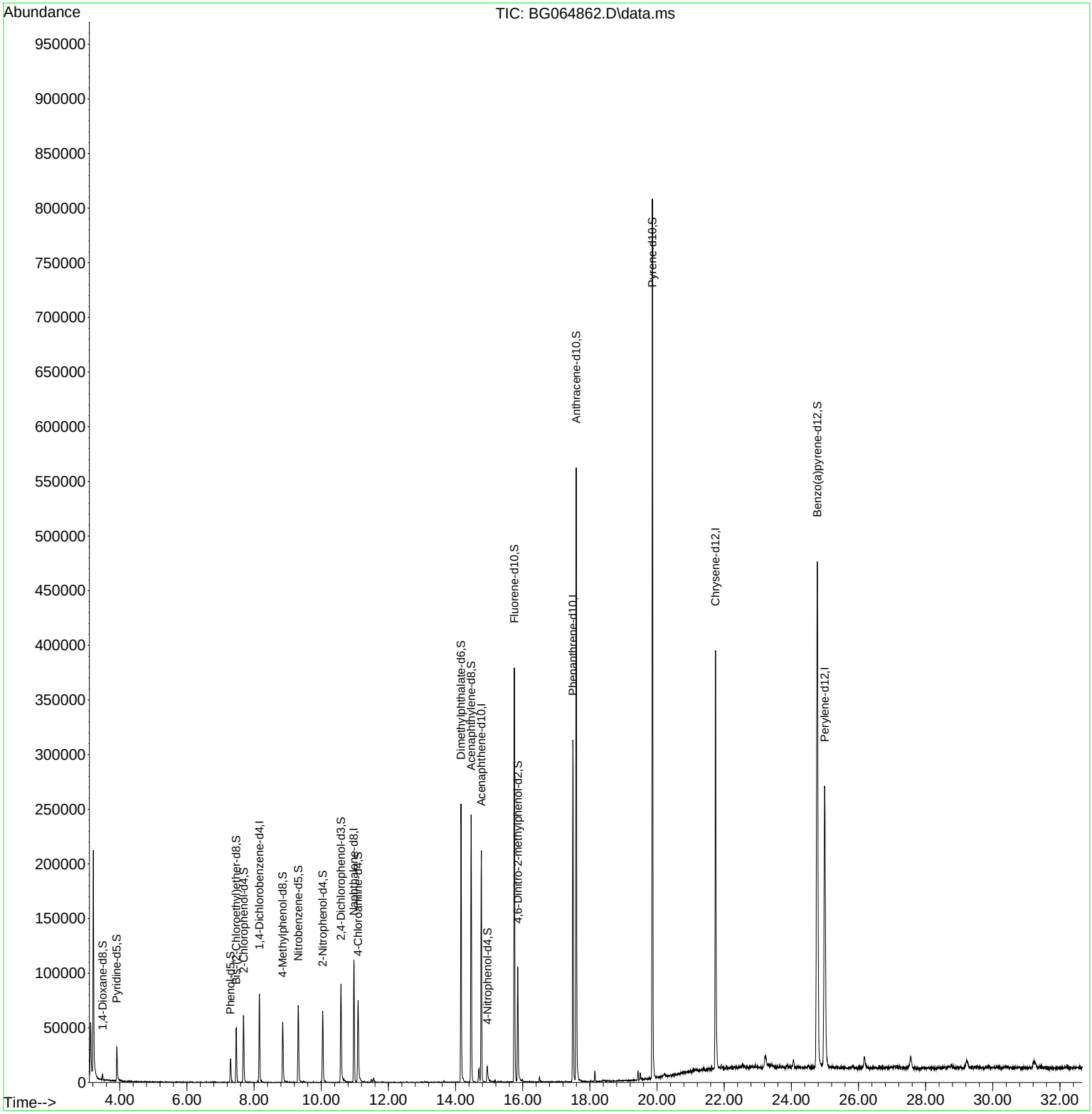
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 17:14:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 17:14:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	25307	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	93584	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	84618	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	220257	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	301213	20.000	ng/ul	# 0.00
88) Perylene-d12	24.991	264	323864	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	2398	3.756	ng/uL	0.00
4) Pyridine-d5	3.910	84	14440	8.208	ng/ul	0.00
7) Phenol-d5	7.300	99	12898	6.322	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.464	67	25597	19.618	ng/ul	0.00
11) 2-Chlorophenol-d4	7.688	132	30785	19.905	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	22605	12.856	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	18252	25.858	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	22408	26.727	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.584	165	41903	24.242	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	47070	21.304	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	198389	29.805	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	184092	25.825	ng/ul	0.00
54) 4-Nitrophenol-d4	14.950	143	6592m	6.532	ng/ul	0.00
60) Fluorene-d10	15.749	176	176891	29.603	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	35228	24.982	ng/ul	0.00
73) Anthracene-d10	17.594	188	376331	33.814	ng/ul	0.00
81) Pyrene-d10	19.862	212	518808	33.532	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.773	264	613859	35.926	ng/ul	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064862.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.128	3	7	16	rBV	44664	85875	6.47%	0.917%
2	3.211	16	21	42	rVB	208865	339923	25.59%	3.628%
3	3.487	64	68	72	rVV3	5324	7829	0.59%	0.084%
4	3.910	136	140	147	rBV	30509	52694	3.97%	0.562%
5	6.783	624	629	632	rBV3	1156	1524	0.11%	0.016%
6	7.300	708	717	723	rBV2	21596	40708	3.06%	0.434%
7	7.341	723	724	731	rVB2	1565	1803	0.14%	0.019%
8	7.470	739	746	756	rBV	49903	89899	6.77%	0.960%
9	7.682	776	782	792	rBV	61129	112458	8.47%	1.200%
10	8.105	850	854	857	rBV	1383	1837	0.14%	0.020%
11	8.158	857	863	873	rVV	80973	141391	10.65%	1.509%
12	8.851	975	981	993	rBV2	55446	107617	8.10%	1.149%
13	9.315	1052	1060	1069	rBV	70585	133946	10.08%	1.430%
14	10.044	1177	1184	1196	rBV	65410	119622	9.01%	1.277%
15	10.590	1270	1277	1289	rBV	90068	180392	13.58%	1.925%
16	10.972	1334	1342	1351	rBV	111948	201202	15.15%	2.147%
17	11.095	1355	1363	1373	rBV2	74738	159693	12.02%	1.704%
18	11.501	1426	1432	1436	rBV2	2887	5144	0.39%	0.055%
19	11.565	1438	1443	1451	rVB3	3641	8050	0.61%	0.086%
20	13.657	1795	1799	1805	rVB2	1501	1877	0.14%	0.020%
21	14.162	1879	1885	1894	rBV	254738	397961	29.96%	4.248%
22	14.462	1928	1936	1948	rBV	244878	403731	30.40%	4.309%
23	14.697	1969	1976	1982	rBV2	12518	26798	2.02%	0.286%
24	14.768	1982	1988	1997	rVB	211499	337503	25.41%	3.602%
25	14.944	2012	2018	2031	rBV3	14203	34673	2.61%	0.370%
26	15.179	2056	2058	2061	rBV2	1963	1713	0.13%	0.018%
27	15.749	2148	2155	2165	rBV	379043	620494	46.72%	6.623%
28	15.849	2167	2172	2187	rVV	103872	181113	13.64%	1.933%
29	15.996	2192	2197	2199	rVB3	1933	2782	0.21%	0.030%
30	16.501	2279	2283	2287	rBV	4771	6523	0.49%	0.070%
31	17.494	2445	2452	2460	rBV2	313090	488612	36.79%	5.215%
32	17.594	2462	2469	2484	rVV	561697	876890	66.02%	9.359%
33	17.705	2486	2488	2493	rVB3	1674	2461	0.19%	0.026%
34	18.152	2558	2564	2571	rVB4	9909	14854	1.12%	0.159%
35	18.440	2607	2613	2617	rVB4	1370	2765	0.21%	0.030%
36	18.869	2682	2686	2687	rVV3	1648	1636	0.12%	0.017%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	19.433	2777	2782	2786	rVB2	8042	12017	0.90%	0.128%
38	19.497	2789	2793	2797	rBV	6161	8804	0.66%	0.094%
39	19.638	2815	2817	2819	rBV3	1747	1747	0.13%	0.019%
40	19.862	2849	2855	2866	rBV	804526	1194385	89.92%	12.748%
41	20.167	2904	2907	2908	rBV2	1736	1930	0.15%	0.021%
42	20.637	2984	2987	2990	rBV5	2035	2841	0.21%	0.030%
43	20.831	3018	3020	3023	rBV4	2189	2066	0.16%	0.022%
44	20.943	3037	3039	3044	rBV5	1950	2984	0.22%	0.032%
45	20.996	3044	3048	3050	rVB5	2605	2782	0.21%	0.030%
46	21.048	3056	3057	3060	rBV2	2201	2640	0.20%	0.028%
47	21.101	3063	3066	3069	rBV4	2847	4291	0.32%	0.046%
48	21.589	3147	3149	3152	rBV5	1772	1532	0.12%	0.016%
49	21.618	3152	3154	3158	rBV4	4141	5418	0.41%	0.058%
50	21.742	3169	3175	3189	rBV2	382291	706064	53.16%	7.536%
51	21.924	3204	3206	3208	rBV3	3844	2289	0.17%	0.024%
52	21.983	3214	3216	3219	rBV3	3449	3367	0.25%	0.036%
53	22.265	3262	3264	3265	rBV2	2546	2073	0.16%	0.022%
54	22.282	3265	3267	3269	rVV3	2037	1618	0.12%	0.017%
55	22.341	3276	3277	3281	rBV4	3007	3783	0.28%	0.040%
56	22.511	3305	3306	3308	rVB2	2603	1670	0.13%	0.018%
57	22.541	3308	3311	3312	rBV3	4654	4388	0.33%	0.047%
58	22.758	3345	3348	3353	rBV5	3270	4863	0.37%	0.052%
59	22.993	3386	3388	3390	rBV2	2557	1819	0.14%	0.019%
60	23.105	3405	3407	3408	rBV2	2084	1547	0.12%	0.017%
61	23.216	3422	3426	3428	rBV5	7003	10357	0.78%	0.111%
62	23.581	3486	3488	3490	rBV3	2495	2153	0.16%	0.023%
63	23.833	3529	3531	3532	rBV2	2358	1657	0.12%	0.018%
64	24.415	3628	3630	3633	rBV2	2168	2402	0.18%	0.026%
65	24.591	3659	3660	3663	rVB3	4169	4010	0.30%	0.043%
66	24.632	3663	3667	3668	rBV4	3668	3528	0.27%	0.038%
67	24.773	3680	3691	3708	rBV	462540	1328206	100.00%	14.176%
68	24.932	3716	3718	3719	rBV2	3008	1874	0.14%	0.020%
69	24.991	3719	3728	3744	rVB2	256017	768290	57.84%	8.200%
70	25.373	3792	3793	3796	rBV3	2113	1819	0.14%	0.019%
71	25.778	3861	3862	3864	rBV2	1998	1747	0.13%	0.019%
72	26.172	3924	3929	3930	rBV4	8886	11341	0.85%	0.121%
73	26.360	3958	3961	3963	rBV4	2728	2827	0.21%	0.030%
74	26.612	4002	4004	4005	rBV2	2949	1637	0.12%	0.017%
75	26.883	4048	4050	4051	rBV2	3116	2368	0.18%	0.025%
76	27.165	4096	4098	4099	rVB2	2921	1597	0.12%	0.017%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251119

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	27.271	4114	4116	4117	rBV2	2415	2250	0.17%	0.024%
78	27.488	4151	4153	4154	rBV2	2658	1539	0.12%	0.016%
79	27.858	4214	4216	4217	rBV2	2149	1883	0.14%	0.020%
80	28.140	4262	4264	4267	rVB4	3065	2520	0.19%	0.027%
81	28.322	4293	4295	4298	rBV4	2089	2740	0.21%	0.029%
82	28.939	4398	4400	4403	rBV5	2331	1914	0.14%	0.020%
83	29.368	4471	4473	4475	rVB2	3329	1879	0.14%	0.020%
84	29.386	4475	4476	4478	rBV2	2239	1799	0.14%	0.019%
85	29.439	4483	4485	4486	rBV2	2113	1891	0.14%	0.020%
86	29.544	4501	4503	4507	rBV5	2682	3270	0.25%	0.035%
87	30.167	4607	4609	4611	rBV3	2545	2262	0.17%	0.024%
88	30.273	4625	4627	4629	rBV2	2394	1921	0.14%	0.021%
89	30.596	4680	4682	4683	rBV2	2468	1639	0.12%	0.017%
90	30.667	4692	4694	4698	rBV4	2986	3520	0.27%	0.038%
91	30.855	4725	4726	4729	rBV3	2569	2513	0.19%	0.027%
92	30.884	4729	4731	4733	rVB3	2452	2150	0.16%	0.023%
93	31.184	4780	4782	4783	rBV2	2780	2248	0.17%	0.024%
94	31.201	4783	4785	4787	rVV3	3741	3654	0.28%	0.039%
95	31.436	4823	4825	4826	rVB3	2889	1617	0.12%	0.017%
96	31.654	4861	4862	4864	rBV2	3549	2302	0.17%	0.025%
97	31.707	4869	4871	4872	rBV2	2309	1830	0.14%	0.020%
98	31.930	4907	4909	4910	rBV2	2233	1547	0.12%	0.017%
99	32.253	4962	4964	4966	rBV3	2289	1765	0.13%	0.019%
100	32.300	4970	4972	4973	rBV2	2951	1791	0.13%	0.019%

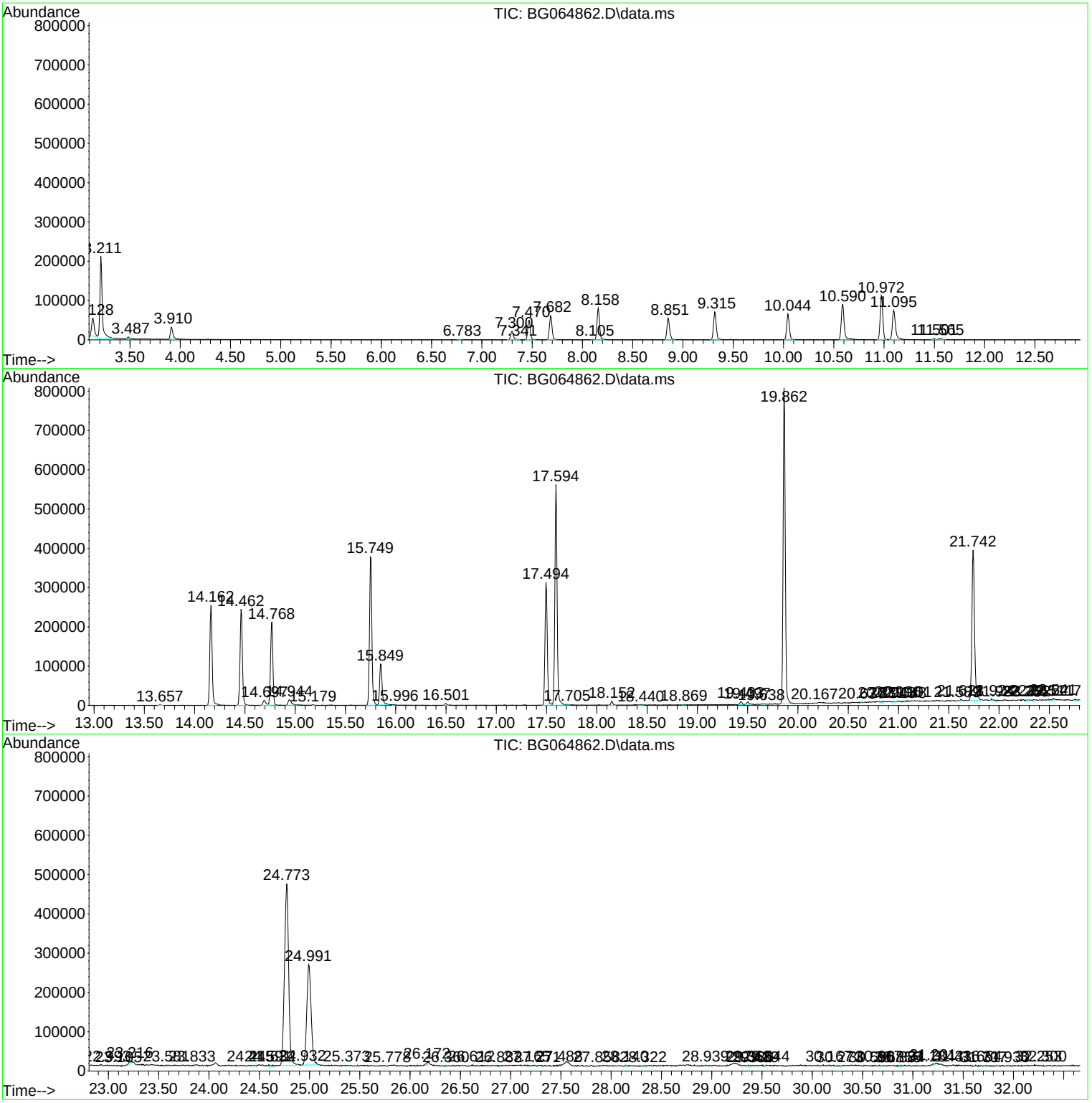
Sum of corrected areas: 9369168

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

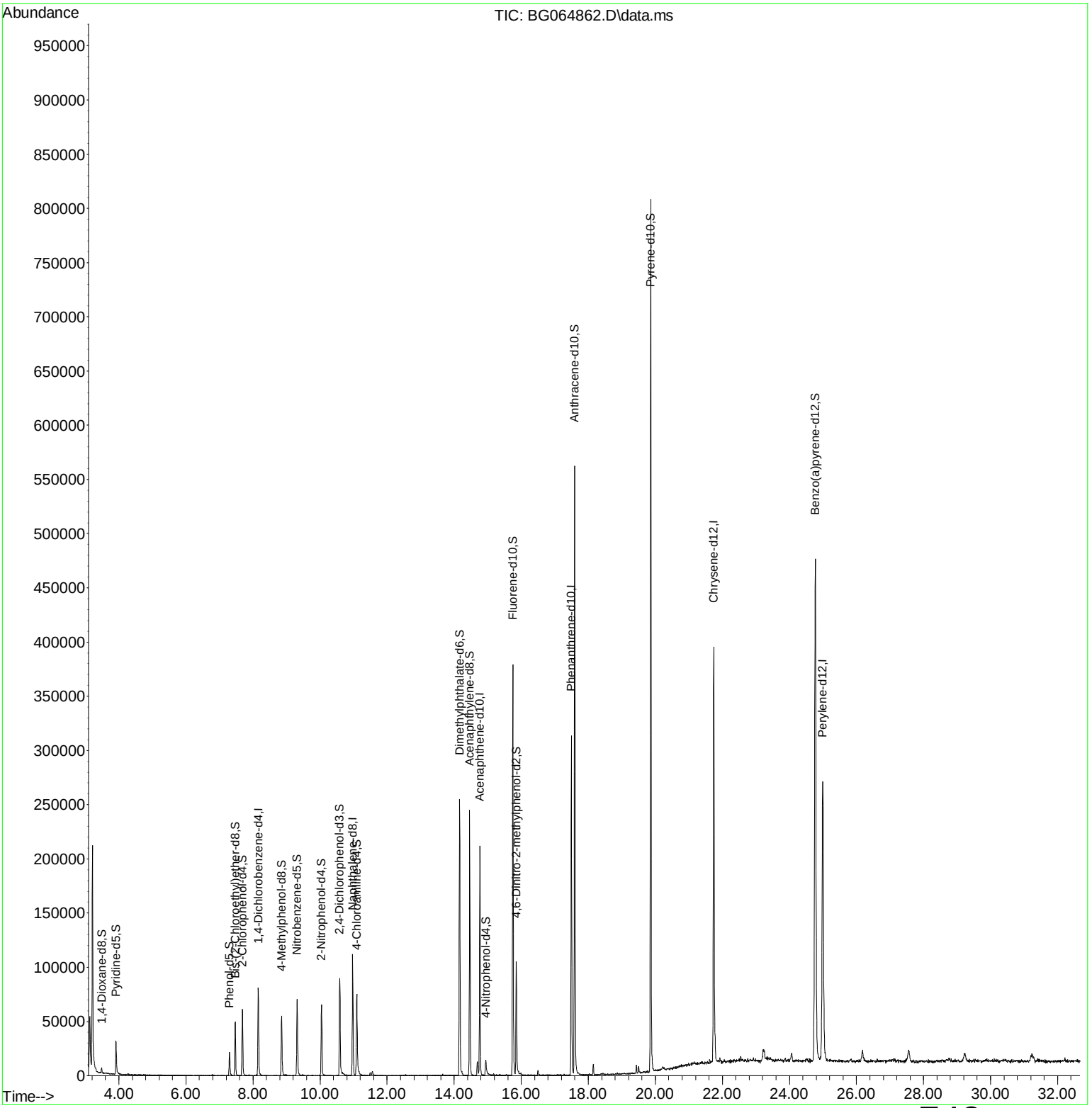
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 17:14:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



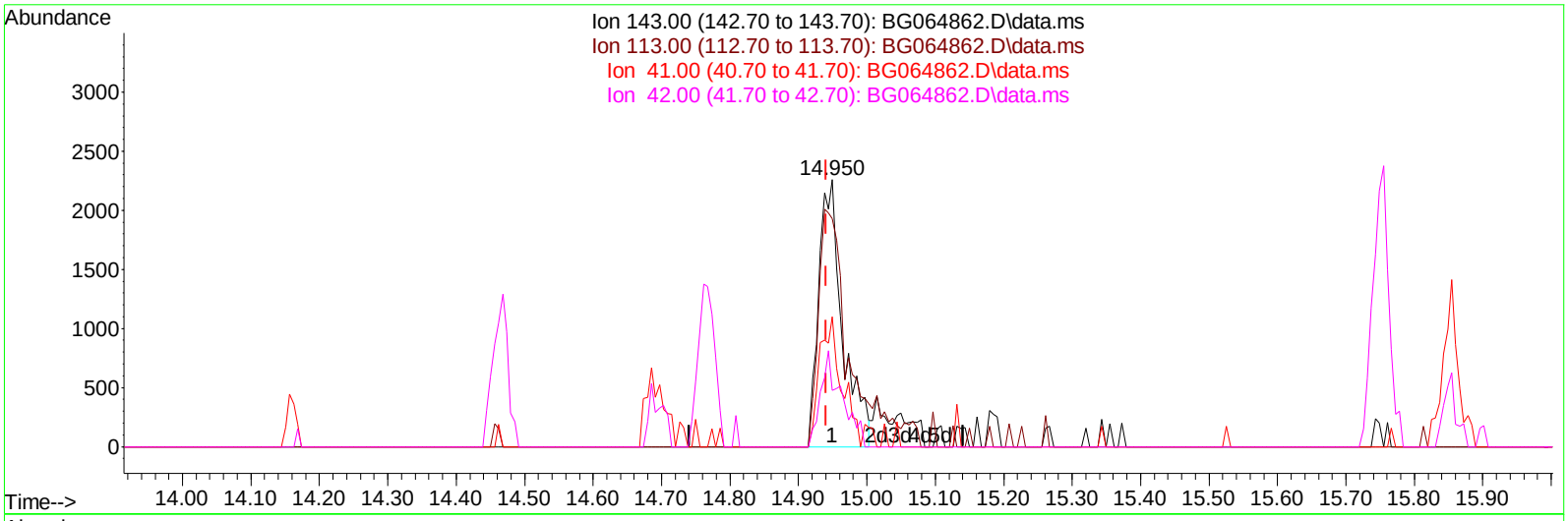
Quantitation Report (Qedit)

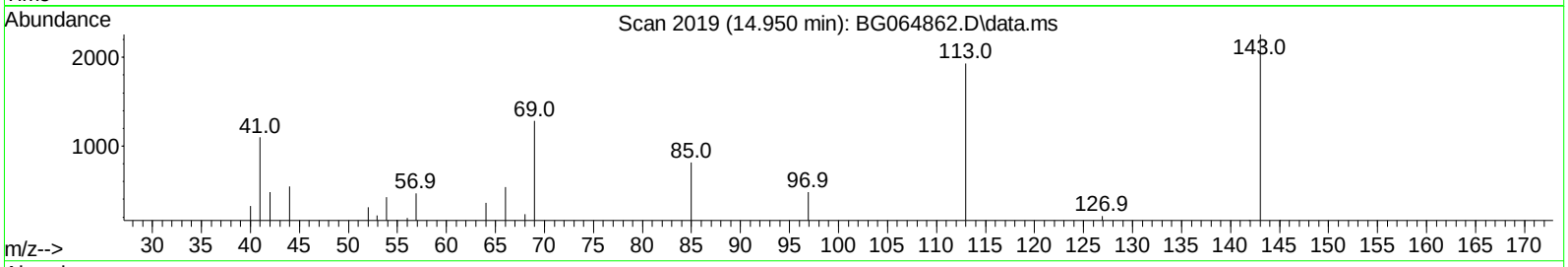
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

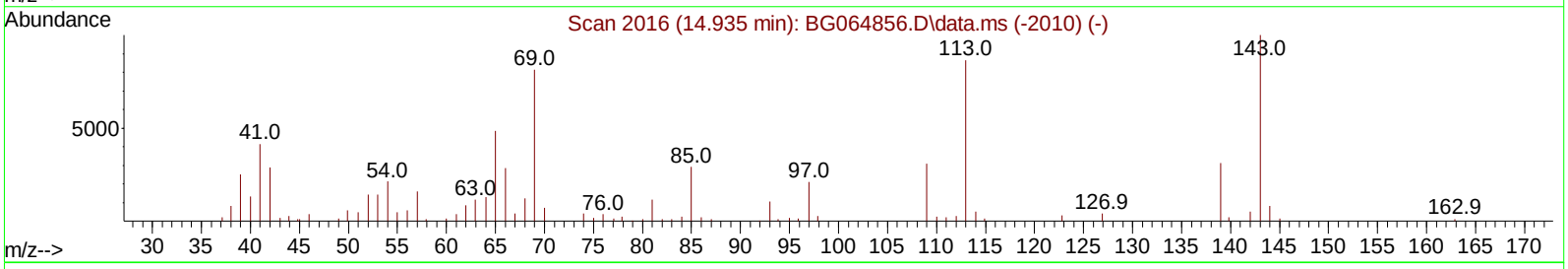
Quant Time: Nov 25 17:12:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
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TIC: BG064862.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.950min (+ 0.009) 5.43 ng/ul

response 5482

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	85.56
41.00	40.40	48.67#
42.00	23.60	21.21

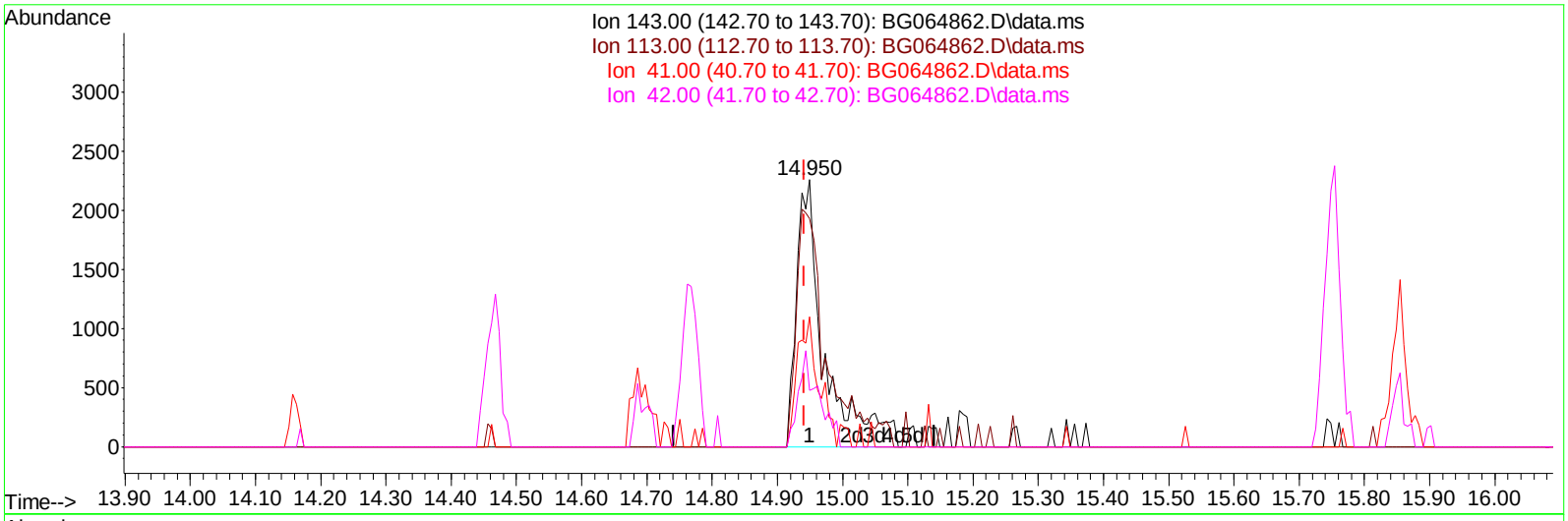
Quantitation Report (Qedit)

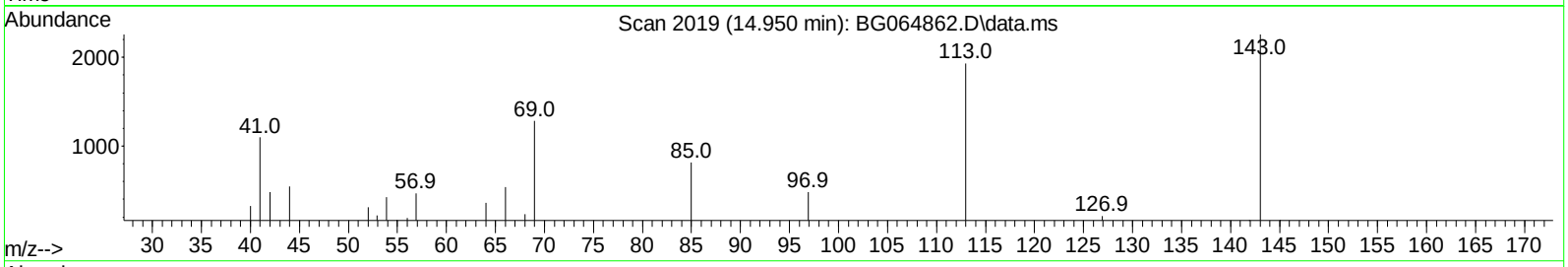
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

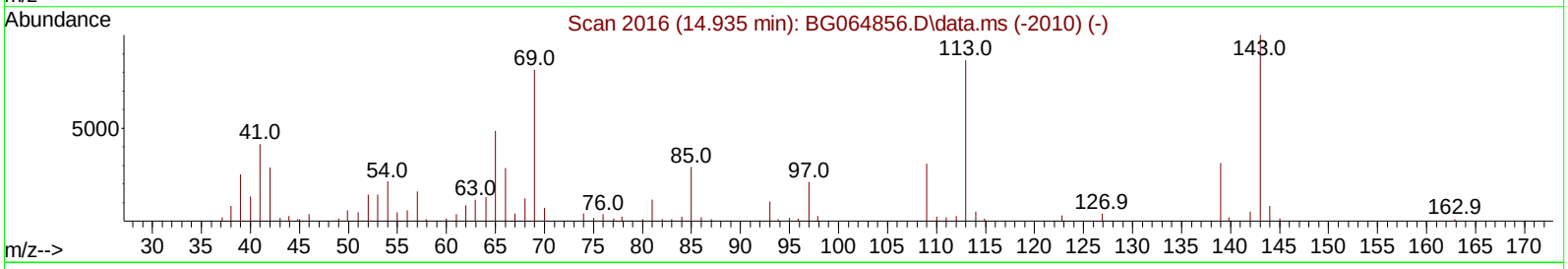
Quant Time: Nov 25 17:12:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064862.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.950min (+ 0.009) 6.53 ng/ul m

response 6592

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	85.56
41.00	40.40	48.67#
42.00	23.60	21.21

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064862.D
Acq On : 25 Nov 2025 15:55
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:14:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	25307	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	93584	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	84618	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	220257	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	301213	20.000	ng/ul	# 0.00
88) Perylene-d12	24.991	264	323864	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	2398	3.756	ng/uL	0.00
4) Pyridine-d5	3.910	84	14440	8.208	ng/ul	0.00
7) Phenol-d5	7.300	99	12898	6.322	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.464	67	25597	19.618	ng/ul	0.00
11) 2-Chlorophenol-d4	7.688	132	30785	19.905	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	22605	12.856	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	18252	25.858	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	22408	26.727	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.584	165	41903	24.242	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	47070	21.304	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	198389	29.805	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	184092	25.825	ng/ul	0.00
54) 4-Nitrophenol-d4	14.950	143	6592m	6.532	ng/ul	0.00
60) Fluorene-d10	15.749	176	176891	29.603	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	35228	24.982	ng/ul	0.00
73) Anthracene-d10	17.594	188	376331	33.814	ng/ul	0.00
81) Pyrene-d10	19.862	212	518808	33.532	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.773	264	613859	35.926	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-11
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064866.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-11
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064866.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/25/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	12	

EPA-designated Registry Number.

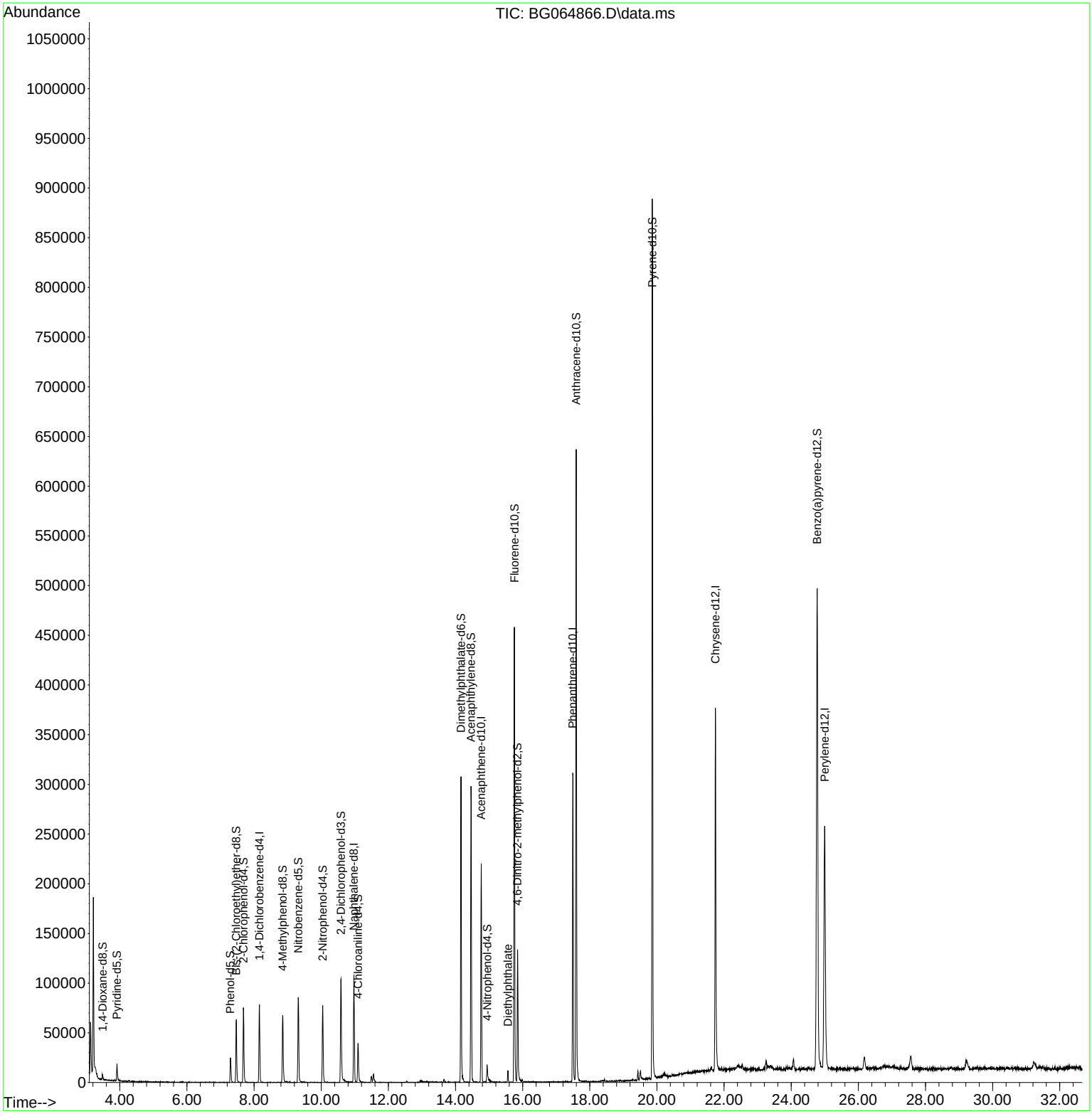
Quantitation Report (LSC Reviewed)

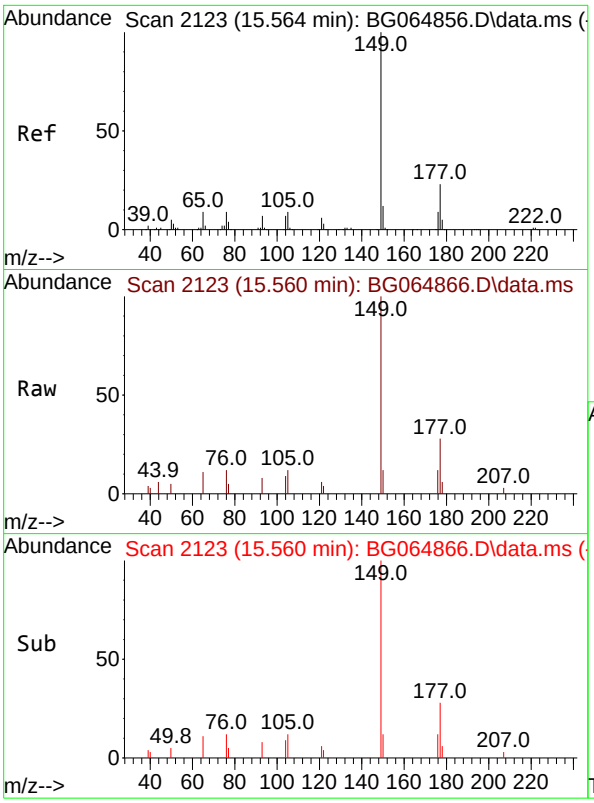
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 02:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

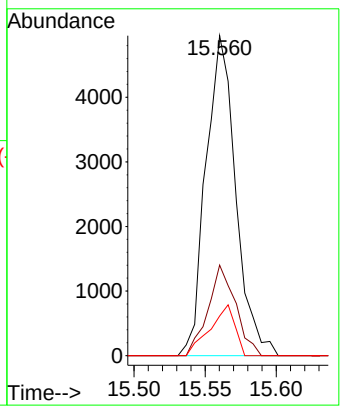




#59
Diethylphthalate
Concen: 1.096 ng/ul
RT: 15.560 min Scan# 2123
Delta R.T. -0.003 min
Lab File: BG064866.D
Acq: 25 Nov 2025 18:38

Tgt Ion:149 Resp: 7238

Ion	Ratio	Lower	Upper
149	100		
177	28.3	18.7	28.1#
150	12.4	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 02:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.157	152	24146	20.000	ng/ul	0.00
20) Naphthalene-d8	10.971	136	91717	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.767	164	83739	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.493	188	222513	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.741	240	276177	20.000	ng/ul	# 0.00
88) Perylene-d12	24.996	264	303405	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.486	96	2263	3.715	ng/uL	0.00
4) Pyridine-d5	3.915	84	7612	4.535	ng/ul	0.00
7) Phenol-d5	7.293	99	15559	7.993	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	32225	25.886	ng/ul	0.00
11) 2-Chlorophenol-d4	7.681	132	37542	25.441	ng/ul	0.00
15) 4-Methylphenol-d8	8.850	113	28677	17.094	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	21131	30.546	ng/ul	0.00
24) 2-Nitrophenol-d4	10.043	143	27402	33.349	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.590	165	48432	28.589	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	25393m	11.727	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	244328	37.092	ng/ul	0.00
49) Acenaphthylene-d8	14.461	160	223944	31.746	ng/ul	0.00
54) 4-Nitrophenol-d4	14.943	143	7112m	7.122	ng/ul	0.00
60) Fluorene-d10	15.754	176	208941	35.333	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.848	200	43554	30.573	ng/ul	0.00
73) Anthracene-d10	17.593	188	428822	38.140	ng/ul	0.00
81) Pyrene-d10	19.861	212	574092	40.469	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.773	264	635893	39.725	ng/ul	0.00
Target Compounds						Qvalue
59) Diethylphthalate	15.560	149	7238	1.096	ng/ul	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064866.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.128	3	7	14	rVB	49373	83895	6.05%	0.835%
2	3.210	16	21	29	rBV	174953	247346	17.84%	2.463%
3	3.480	63	67	72	rBV3	5277	7065	0.51%	0.070%
4	3.845	125	129	132	rBV3	1675	2132	0.15%	0.021%
5	3.915	135	141	147	rBV	17433	27799	2.01%	0.277%
6	7.293	711	716	725	rBV	24993	47400	3.42%	0.472%
7	7.470	738	746	755	rBV	63413	110762	7.99%	1.103%
8	7.681	774	782	792	rBV	75341	140258	10.12%	1.397%
9	8.157	856	863	872	rBV	78118	138262	9.97%	1.377%
10	8.850	975	981	993	rBV2	67511	131427	9.48%	1.309%
11	8.974	998	1002	1007	rVB2	1337	2834	0.20%	0.028%
12	9.315	1053	1060	1073	rBV	85660	168531	12.16%	1.678%
13	10.043	1177	1184	1192	rBV2	77371	145357	10.49%	1.448%
14	10.590	1269	1277	1287	rBV	104152	214731	15.49%	2.138%
15	10.971	1334	1342	1351	rBV	108461	198589	14.33%	1.978%
16	11.095	1355	1363	1371	rBV2	39018	76190	5.50%	0.759%
17	11.494	1425	1431	1436	rBV3	6054	11451	0.83%	0.114%
18	11.559	1436	1442	1446	rBV2	7333	13199	0.95%	0.131%
19	12.546	1606	1610	1615	rVB3	1307	2256	0.16%	0.022%
20	13.657	1795	1799	1804	rBV3	2935	4676	0.34%	0.047%
21	14.162	1879	1885	1903	rBV	307572	492263	35.51%	4.902%
22	14.461	1929	1936	1946	rBV	297868	494758	35.69%	4.927%
23	14.767	1981	1988	1998	rVB	220063	343244	24.76%	3.418%
24	14.937	2012	2017	2029	rBV2	17496	38980	2.81%	0.388%
25	15.560	2117	2123	2130	rBV2	11930	16812	1.21%	0.167%
26	15.754	2149	2156	2166	rBV	458025	733155	52.89%	7.301%
27	15.848	2166	2172	2185	rVV	132342	220701	15.92%	2.198%
28	15.983	2193	2195	2201	rVB2	2094	3053	0.22%	0.030%
29	17.493	2444	2452	2462	rBV	310916	495341	35.73%	4.933%
30	17.593	2462	2469	2487	rVB2	635751	995447	71.81%	9.913%
31	18.439	2610	2613	2616	rVB2	2209	1768	0.13%	0.018%
32	18.856	2679	2684	2686	rBV3	1251	1902	0.14%	0.019%
33	18.927	2694	2696	2700	rVB2	1460	1738	0.13%	0.017%
34	18.986	2700	2706	2709	rBV3	1165	1758	0.13%	0.018%
35	19.362	2766	2770	2773	rVB2	1276	1972	0.14%	0.020%
36	19.432	2776	2782	2787	rBV4	9763	14915	1.08%	0.149%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	19.509	2789	2795	2799	rBV2	9670	17829	1.29%	0.178%
38	19.861	2848	2855	2872	rBV	886273	1332044	96.09%	13.265%
39	20.120	2895	2899	2900	rBV3	1677	1922	0.14%	0.019%
40	20.155	2902	2905	2907	rBV4	2638	3554	0.26%	0.035%
41	20.178	2907	2909	2911	rVV2	2511	2317	0.17%	0.023%
42	20.214	2913	2915	2918	rVV4	3581	4379	0.32%	0.044%
43	20.237	2918	2919	2921	rVV2	3495	2421	0.17%	0.024%
44	20.266	2921	2924	2926	rVV3	2263	2245	0.16%	0.022%
45	20.654	2988	2990	2992	rBV3	2276	1964	0.14%	0.020%
46	20.742	3004	3005	3010	rBV4	2033	2250	0.16%	0.022%
47	20.784	3010	3012	3015	rBV4	1555	1883	0.14%	0.019%
48	20.813	3015	3017	3020	rVV4	2124	2370	0.17%	0.024%
49	20.872	3023	3027	3030	rVV6	1852	2916	0.21%	0.029%
50	21.483	3129	3131	3133	rBV2	2215	2153	0.16%	0.021%
51	21.618	3153	3154	3158	rVB3	3359	2213	0.16%	0.022%
52	21.741	3168	3175	3187	rBV	363632	654827	47.24%	6.521%
53	21.976	3213	3215	3217	rBV3	2236	2246	0.16%	0.022%
54	22.041	3224	3226	3230	rBV4	3086	2962	0.21%	0.029%
55	22.170	3247	3248	3250	rVB2	3687	2355	0.17%	0.023%
56	22.540	3309	3311	3316	rVB6	4924	6749	0.49%	0.067%
57	22.834	3358	3361	3363	rBV4	3210	3532	0.25%	0.035%
58	23.181	3418	3420	3422	rBV4	2210	1714	0.12%	0.017%
59	23.245	3426	3431	3436	rBV7	8707	19269	1.39%	0.192%
60	23.286	3436	3438	3440	rBV3	2914	2380	0.17%	0.024%
61	24.068	3566	3571	3580	rVB8	12031	28708	2.07%	0.286%
62	24.268	3603	3605	3606	rVB2	3012	2092	0.15%	0.021%
63	24.773	3679	3691	3707	rBV	483563	1386222	100.00%	13.805%
64	24.996	3718	3729	3747	rVB	244482	744578	53.71%	7.415%
65	25.208	3763	3765	3767	rBV3	2909	2575	0.19%	0.026%
66	25.360	3789	3791	3792	rBV2	2961	2083	0.15%	0.021%
67	25.549	3820	3823	3824	rBV2	3213	3602	0.26%	0.036%
68	25.666	3841	3843	3845	rBV4	2094	1667	0.12%	0.017%
69	25.684	3845	3846	3848	rBV2	2883	1964	0.14%	0.020%
70	25.925	3886	3887	3889	rBV2	2218	1924	0.14%	0.019%
71	25.995	3897	3899	3900	rBV2	2733	1811	0.13%	0.018%
72	26.171	3922	3929	3930	rBV5	11983	18998	1.37%	0.189%
73	26.471	3978	3980	3981	rVB2	3014	1698	0.12%	0.017%
74	26.500	3981	3985	3988	rBV5	4076	7017	0.51%	0.070%
75	27.247	4110	4112	4113	rBV2	2786	1882	0.14%	0.019%
76	27.276	4115	4117	4120	rVB4	2894	2598	0.19%	0.026%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251120

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	27.558	4157	4165	4174	rVV10	12961	43053	3.11%	0.429%
78	27.628	4176	4177	4180	rBV3	3229	2926	0.21%	0.029%
79	27.769	4199	4201	4205	rBV5	2507	2859	0.21%	0.028%
80	27.881	4218	4220	4221	rBV	3014	1852	0.13%	0.018%
81	28.239	4279	4281	4283	rBV3	3657	3892	0.28%	0.039%
82	28.281	4286	4288	4290	rVB3	2725	1918	0.14%	0.019%
83	28.304	4290	4292	4295	rBV3	2335	2686	0.19%	0.027%
84	29.180	4439	4441	4442	rBV2	2973	2193	0.16%	0.022%
85	29.221	4442	4448	4456	rVB9	7215	23557	1.70%	0.235%
86	29.597	4510	4512	4516	rVB4	2713	3413	0.25%	0.034%
87	29.767	4540	4541	4543	rBV2	2929	1648	0.12%	0.016%
88	30.220	4616	4618	4620	rBV3	2301	2118	0.15%	0.021%
89	30.737	4704	4706	4709	rVB4	2861	2457	0.18%	0.024%
90	30.872	4727	4729	4732	rBV4	1933	2057	0.15%	0.020%
91	31.019	4753	4754	4756	rBV2	2466	2480	0.18%	0.025%
92	31.612	4853	4855	4857	rVB3	3422	2331	0.17%	0.023%
93	31.635	4857	4859	4863	rBV5	2596	2898	0.21%	0.029%
94	31.859	4895	4897	4901	rVB4	3321	3057	0.22%	0.030%
95	31.929	4907	4909	4911	rVB3	3337	2535	0.18%	0.025%
96	32.106	4937	4939	4942	rBV4	2282	2230	0.16%	0.022%
97	32.147	4944	4946	4947	rBV2	2258	1703	0.12%	0.017%
98	32.241	4960	4962	4965	rVB3	3606	3326	0.24%	0.033%
99	32.270	4965	4967	4968	rBV2	2605	2691	0.19%	0.027%
100	32.493	5003	5005	5006	rBV2	3145	1961	0.14%	0.020%

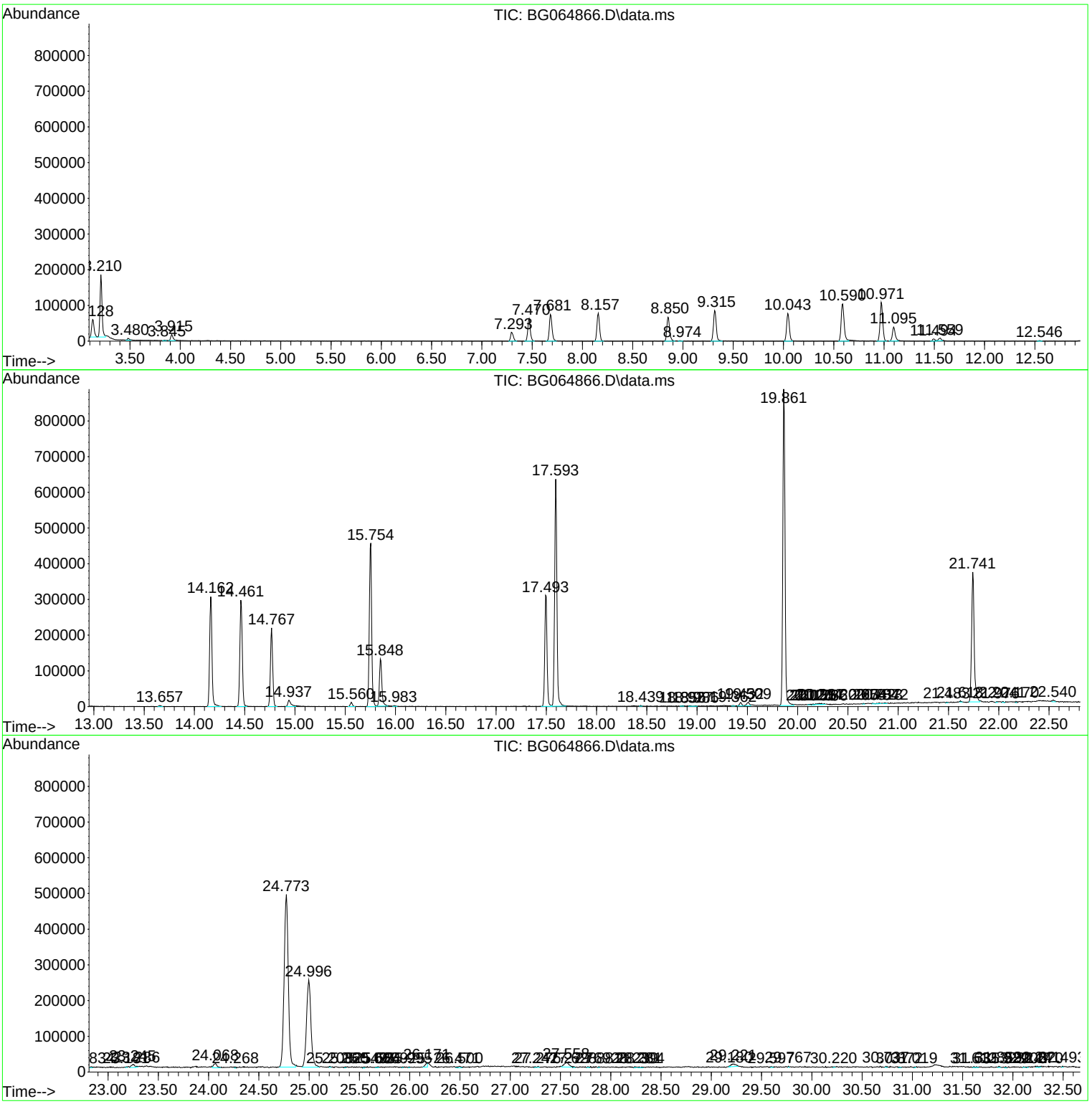
Sum of corrected areas: 10041721

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251120

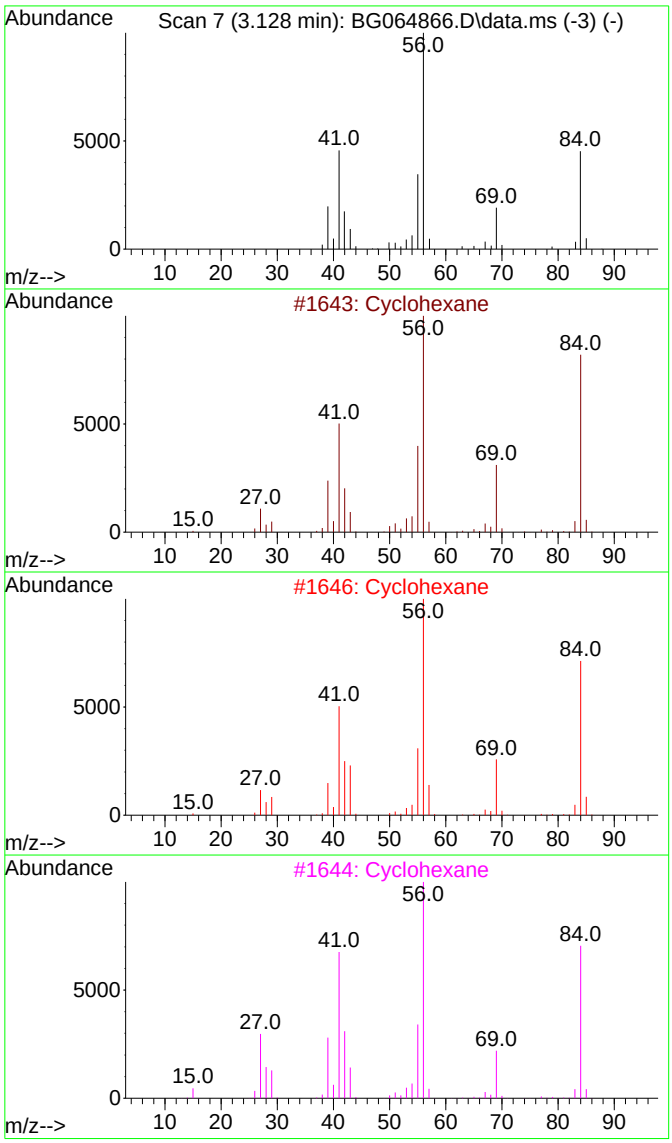
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

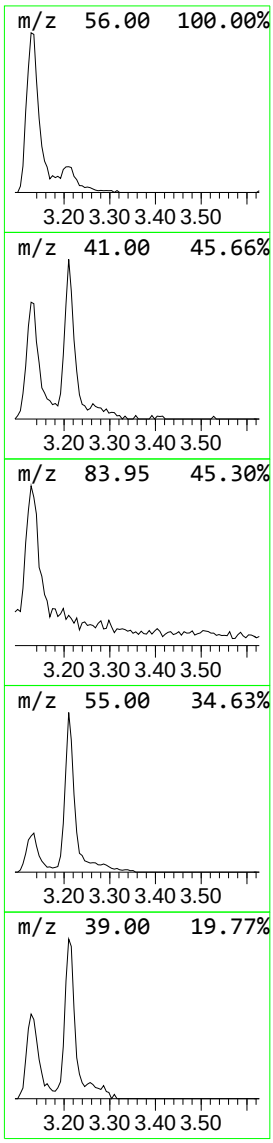
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic3.128 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.128	12.14 ng/ul	83895	1,4-Dichlorobenzene-d4	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	91
2	Cyclohexane	84	C6H12	000110-82-7	91
3	Cyclohexane	84	C6H12	000110-82-7	90
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
5	Cyclobutanone, 2-methyl-	84	C5H8O	001517-15-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251120

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: C...	3.128	12.1	ng/ul	83895	1	8.157	138262	20.0

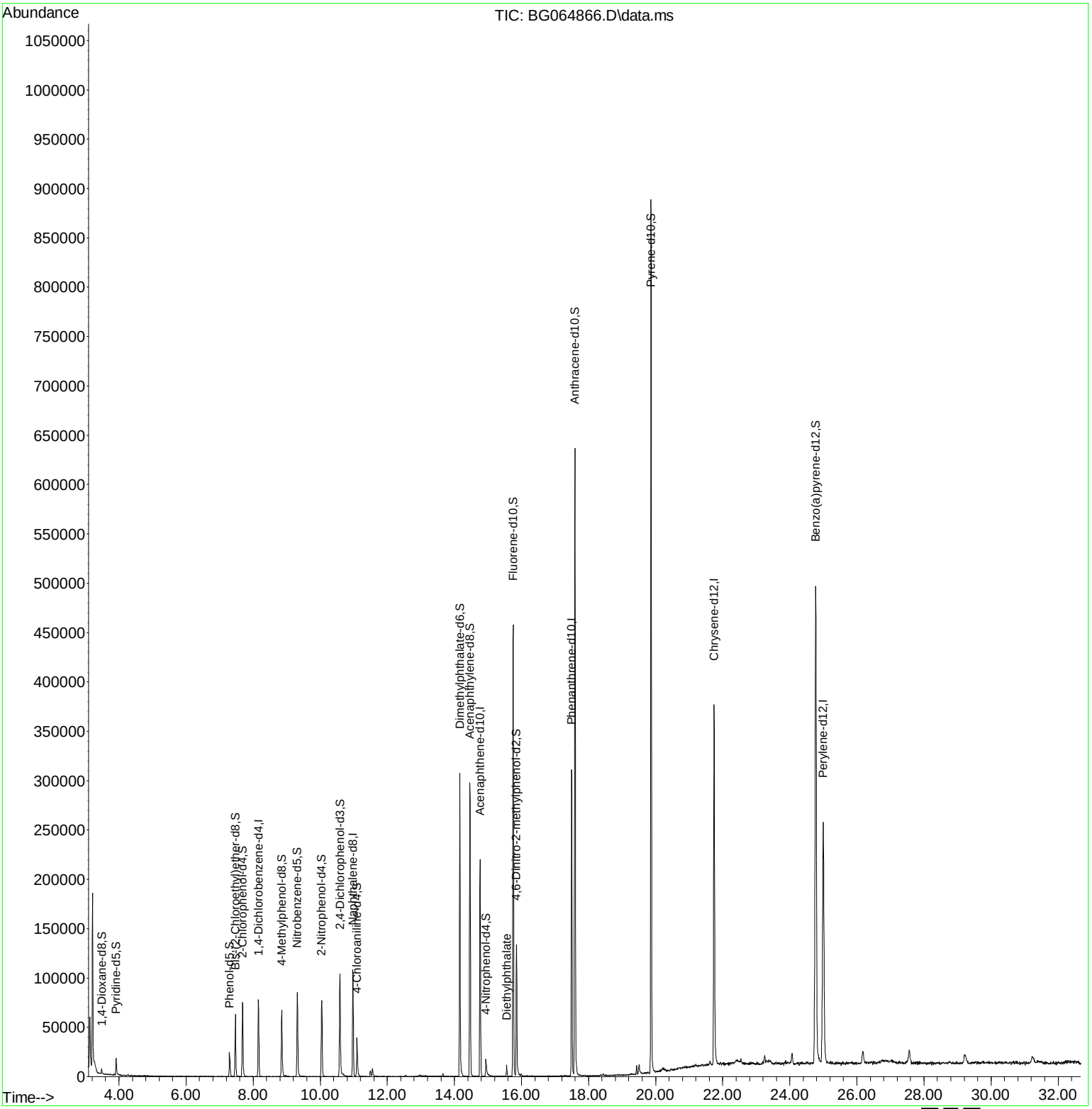
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 02:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



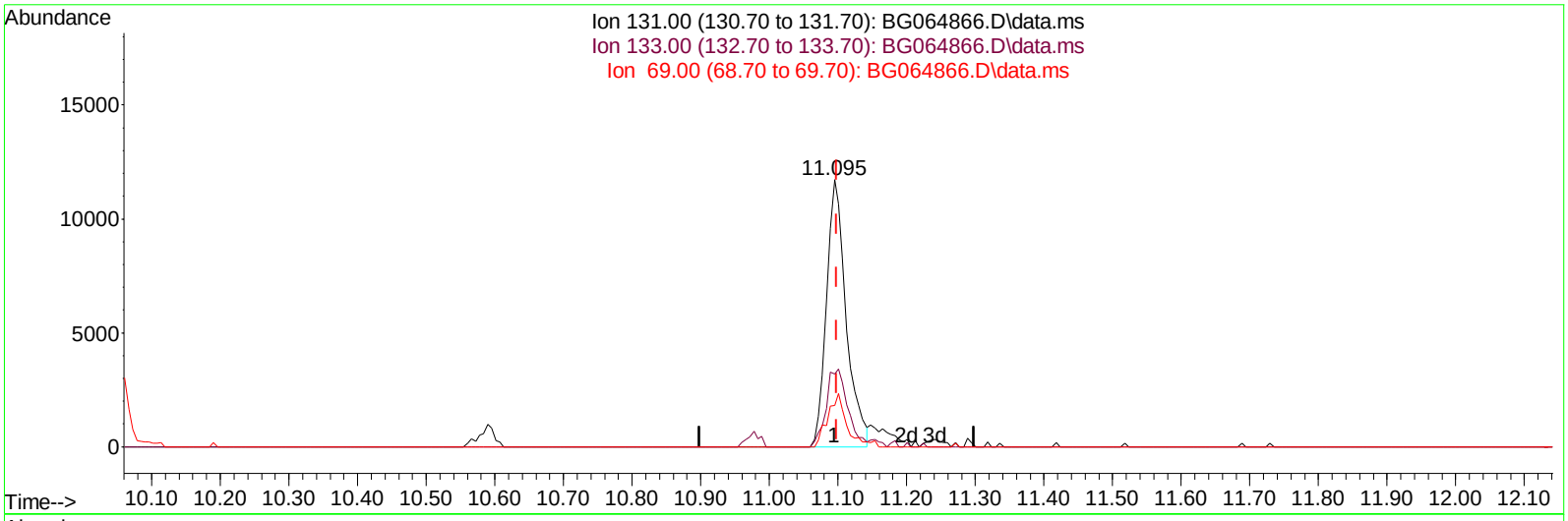
Quantitation Report (Qedit)

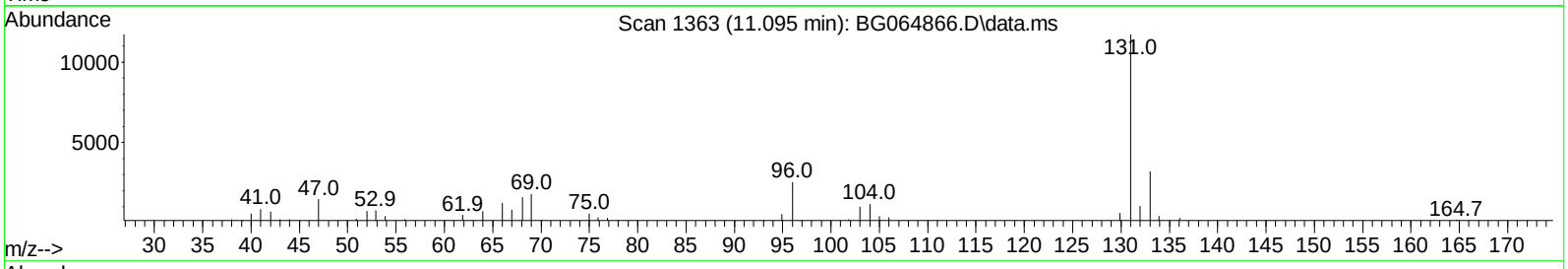
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

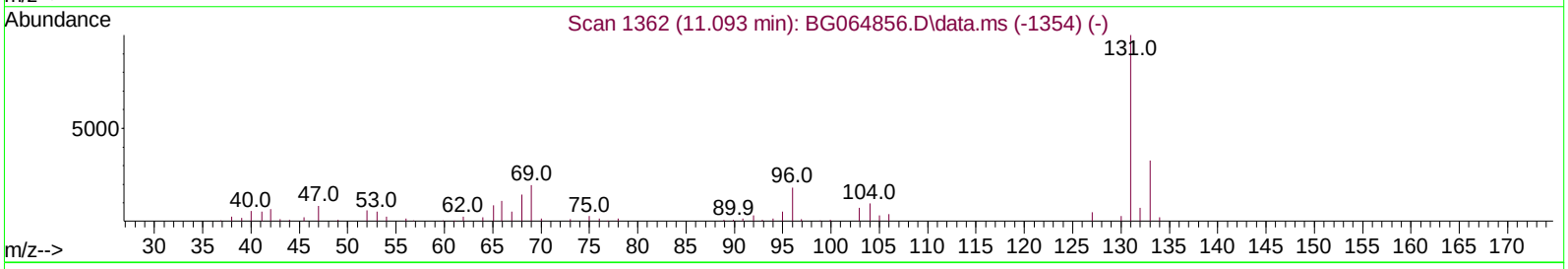
Quant Time: Nov 26 07:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064866.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.095min (-0.003) 10.79 ng/ul

response 23373

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	27.33
69.00	15.70	15.36
0.00	0.00	0.00

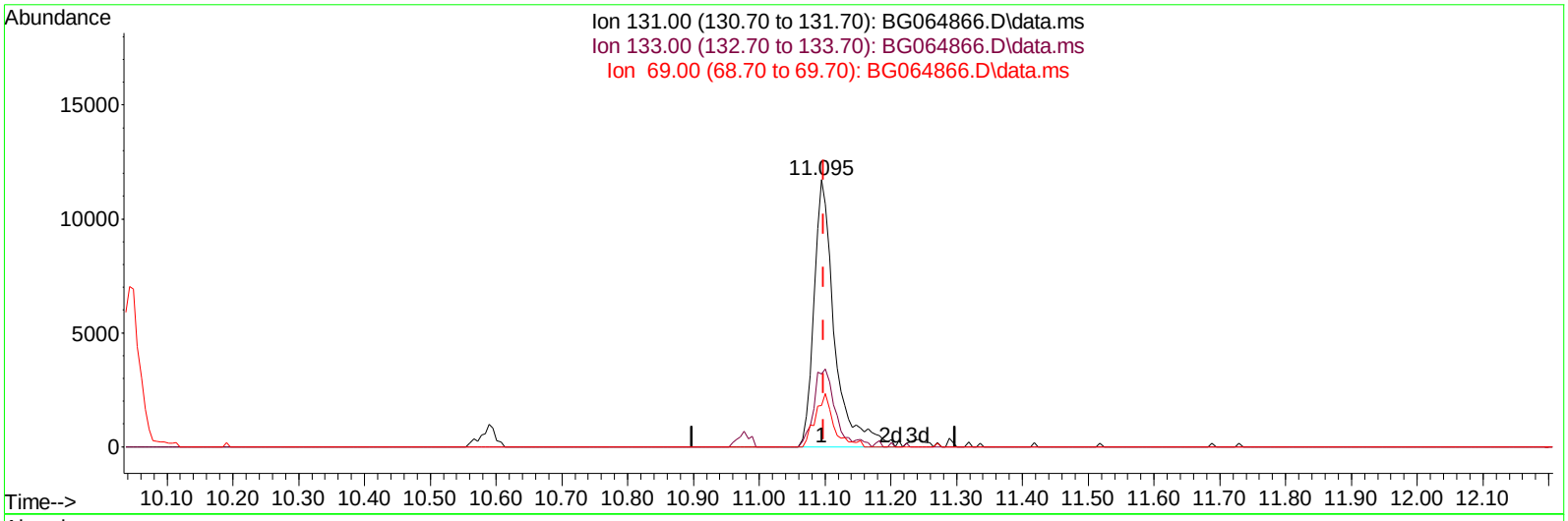
Quantitation Report (Qedit)

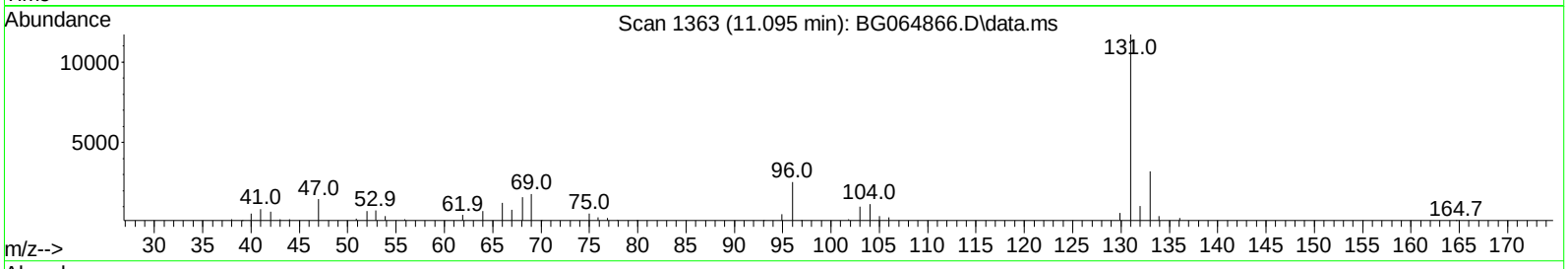
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

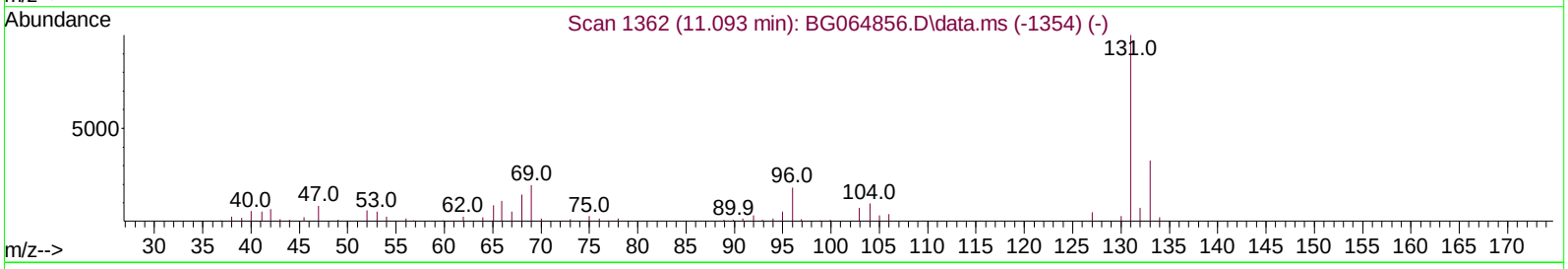
Quant Time: Nov 26 02:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064866.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.095min (-0.003) 11.73 ng/ul m

response 25393

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	27.33
69.00	15.70	15.36
0.00	0.00	0.00

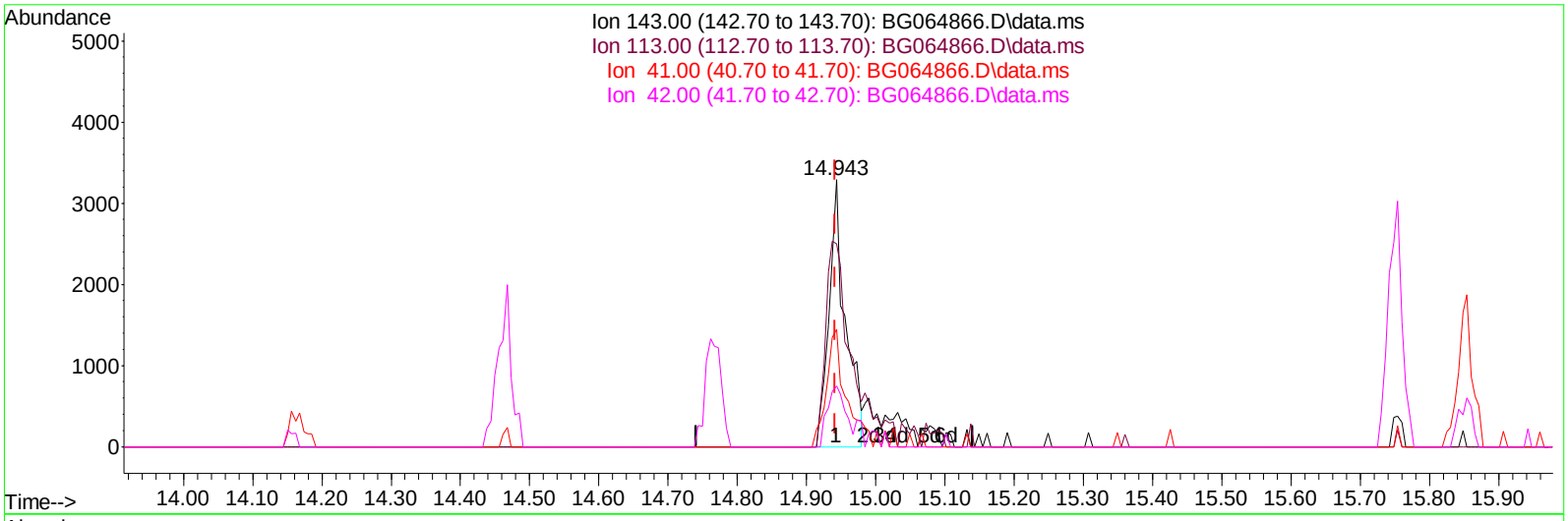
Quantitation Report (Qedit)

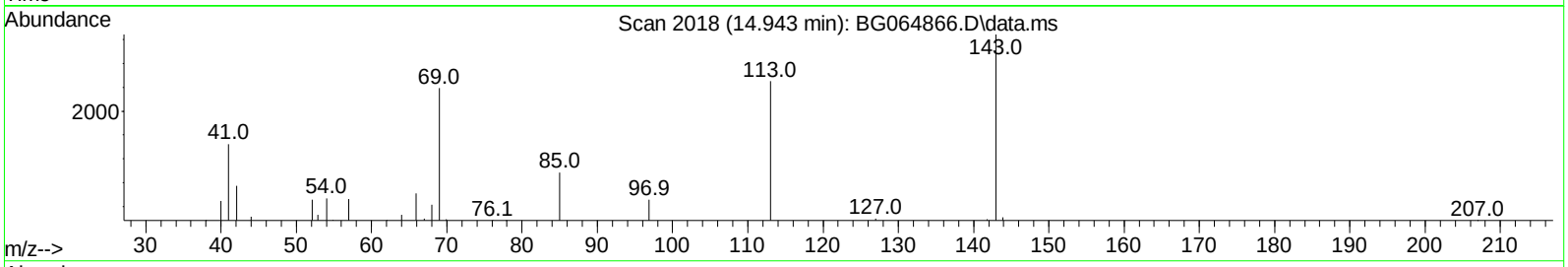
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

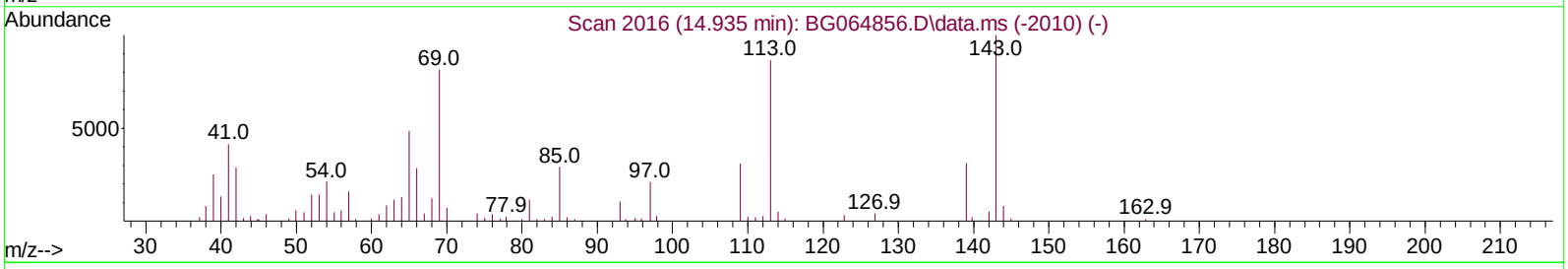
Quant Time: Nov 26 07:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064866.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.943min (+ 0.002) 5.47 ng/ul

response 5462

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	76.04
41.00	40.40	44.00
42.00	23.60	22.74

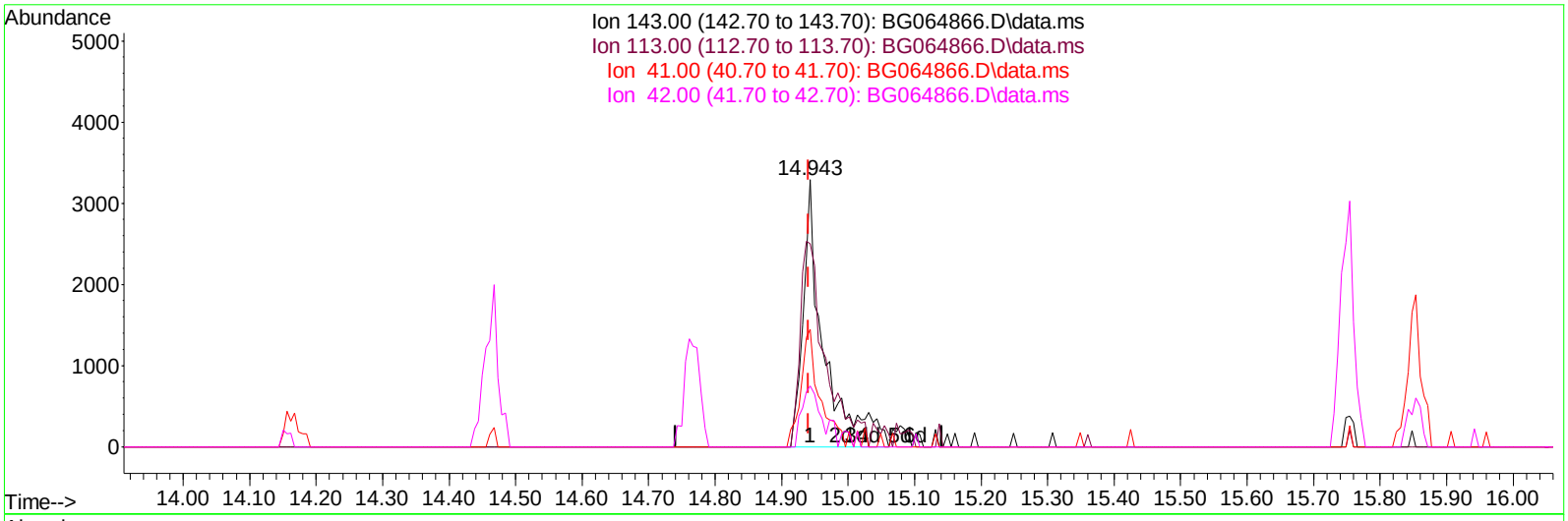
Quantitation Report (Qedit)

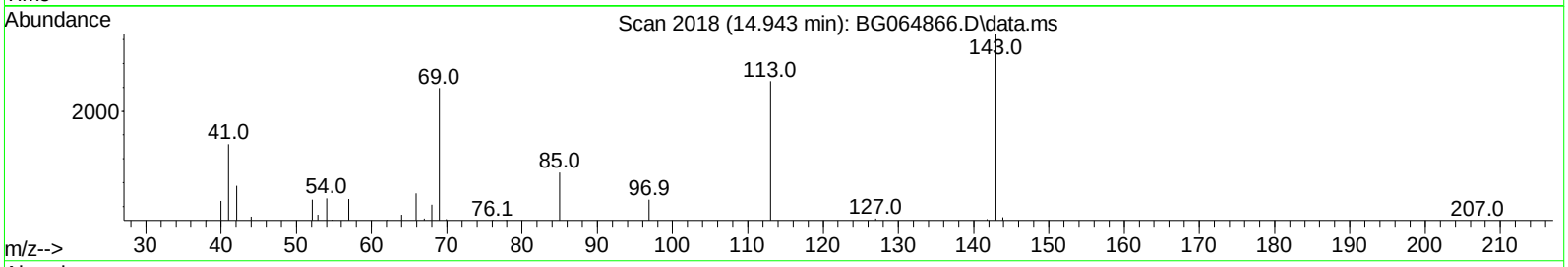
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

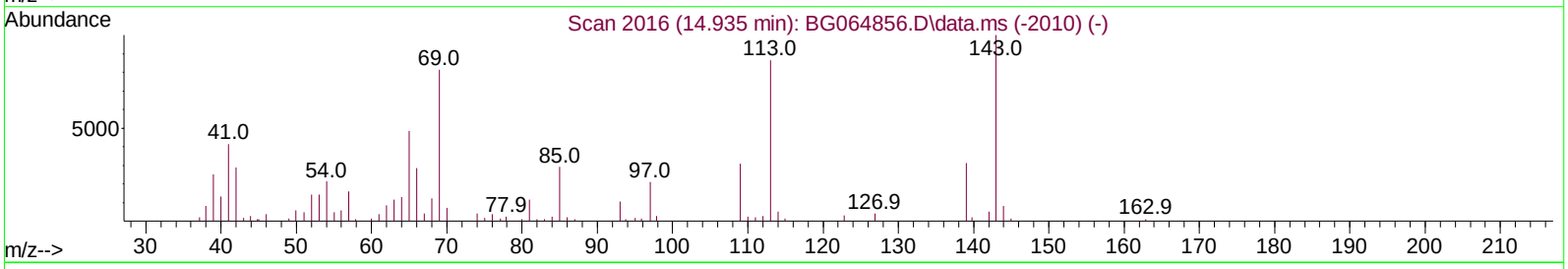
Quant Time: Nov 26 02:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064866.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.943min (+ 0.002) 7.12 ng/ul m

response 7112

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	76.04
41.00	40.40	44.00
42.00	23.60	22.74

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064866.D
Acq On : 25 Nov 2025 18:38
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 02:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.157	152	24146	20.000	ng/ul	0.00
20) Naphthalene-d8	10.971	136	91717	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.767	164	83739	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.493	188	222513	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.741	240	276177	20.000	ng/ul	# 0.00
88) Perylene-d12	24.996	264	303405	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.486	96	2263	3.715	ng/uL	0.00
4) Pyridine-d5	3.915	84	7612	4.535	ng/ul	0.00
7) Phenol-d5	7.293	99	15559	7.993	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	32225	25.886	ng/ul	0.00
11) 2-Chlorophenol-d4	7.681	132	37542	25.441	ng/ul	0.00
15) 4-Methylphenol-d8	8.850	113	28677	17.094	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	21131	30.546	ng/ul	0.00
24) 2-Nitrophenol-d4	10.043	143	27402	33.349	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.590	165	48432	28.589	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	25393m	11.727	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	244328	37.092	ng/ul	0.00
49) Acenaphthylene-d8	14.461	160	223944	31.746	ng/ul	0.00
54) 4-Nitrophenol-d4	14.943	143	7112m	7.122	ng/ul	0.00
60) Fluorene-d10	15.754	176	208941	35.333	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.848	200	43554	30.573	ng/ul	0.00
73) Anthracene-d10	17.593	188	428822	38.140	ng/ul	0.00
81) Pyrene-d10	19.861	212	574092	40.469	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.773	264	635893	39.725	ng/ul	0.00
Target Compounds						Qvalue
59) Diethylphthalate	15.560	149	7238	1.096	ng/ul#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-18
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064895.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-18
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064895.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

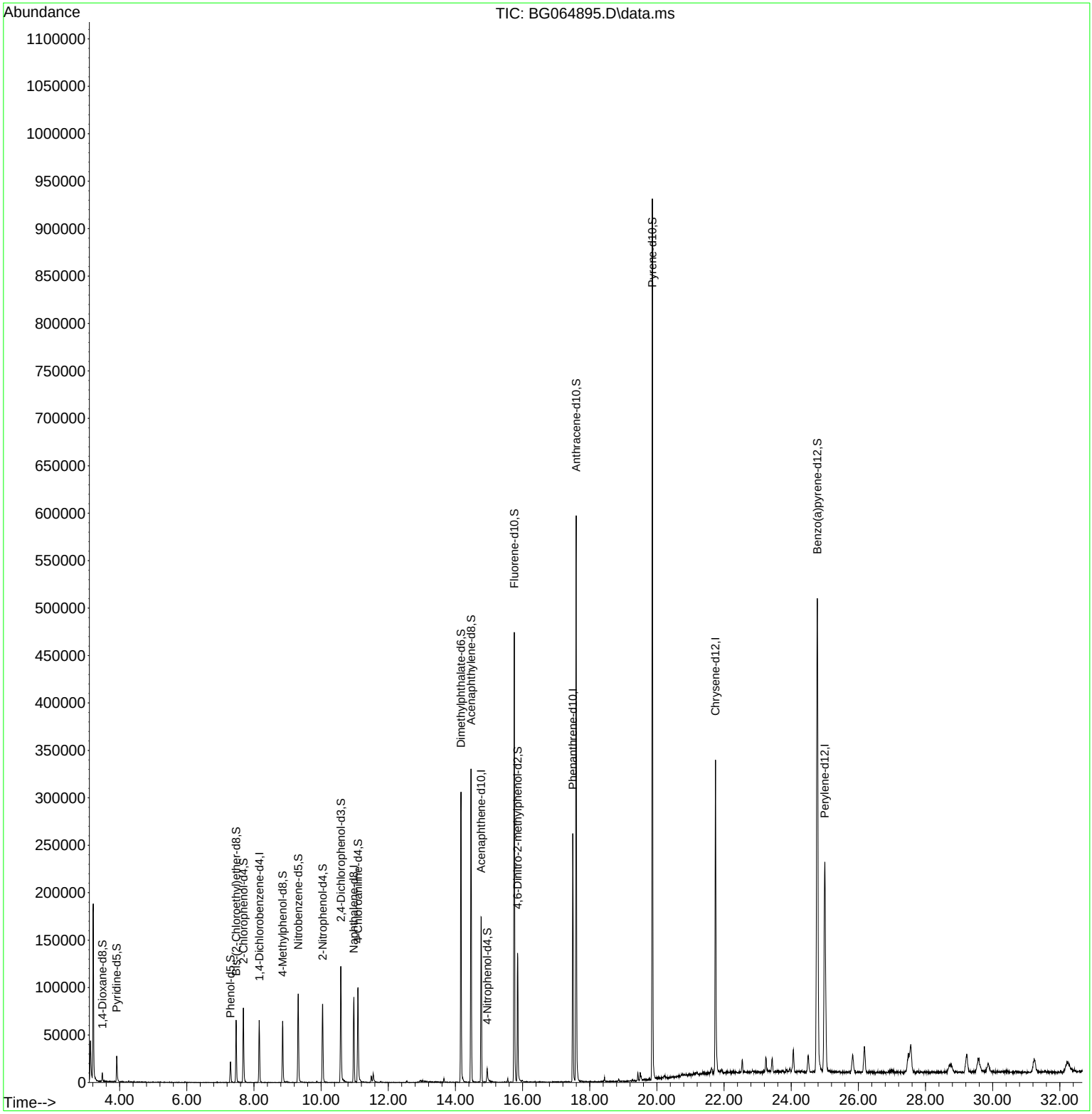
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 01 11:40:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:40:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.160	152	20410	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	76366	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.764	164	70363	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.496	188	186288	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.744	240	251460	20.000	ng/ul	# 0.00
88) Perylene-d12	24.999	264	279354	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.483	96	4417	8.578	ng/uL	0.00
4) Pyridine-d5	3.912	84	12937	9.118	ng/ul	0.00
7) Phenol-d5	7.296	99	13433	8.164	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	30837	29.305	ng/ul	0.00
11) 2-Chlorophenol-d4	7.684	132	37459	30.032	ng/ul	0.00
15) 4-Methylphenol-d8	8.853	113	25377	17.896	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	23388	40.605	ng/ul	0.00
24) 2-Nitrophenol-d4	10.046	143	28678	41.918	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	53816	38.153	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	57516	31.901	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	232032	41.922	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	235005	39.647	ng/ul	0.00
54) 4-Nitrophenol-d4	14.946	143	7166m	8.540	ng/ul	0.00
60) Fluorene-d10	15.751	176	217227	43.718	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	43894	36.803	ng/ul	0.00
73) Anthracene-d10	17.596	188	414003	43.982	ng/ul	0.00
81) Pyrene-d10	19.864	212	577473	44.708	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	661529	44.884	ng/ul	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064895.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.131	3	7	16	rVB2	39078	67986	4.67%	0.659%
2	3.213	16	21	30	rVB	183728	271301	18.64%	2.631%
3	3.483	63	67	74	rVB2	8713	13208	0.91%	0.128%
4	3.912	135	140	158	rVB	27412	48689	3.35%	0.472%
5	4.271	194	201	205	rBV2	1823	2293	0.16%	0.022%
6	7.302	711	717	723	rBV	21665	41345	2.84%	0.401%
7	7.467	737	745	756	rBV	65827	108584	7.46%	1.053%
8	7.684	775	782	794	rBV	78618	139642	9.60%	1.354%
9	8.154	856	862	871	rBV	65777	114669	7.88%	1.112%
10	8.853	974	981	991	rBV2	64641	118366	8.13%	1.148%
11	9.318	1052	1060	1073	rBV	93599	182345	12.53%	1.768%
12	10.046	1176	1184	1193	rBV	82391	157154	10.80%	1.524%
13	10.587	1269	1276	1285	rBV	122459	228462	15.70%	2.216%
14	10.975	1333	1342	1348	rBV	89974	164144	11.28%	1.592%
15	11.098	1356	1363	1372	rBV2	99916	200349	13.77%	1.943%
16	11.492	1425	1430	1435	rBV2	6811	11819	0.81%	0.115%
17	11.550	1435	1440	1453	rVB2	9259	19749	1.36%	0.192%
18	12.555	1605	1611	1614	rBV2	1500	2625	0.18%	0.025%
19	12.960	1672	1680	1681	rBV4	1742	3398	0.23%	0.033%
20	13.660	1794	1799	1805	rBV5	4188	6126	0.42%	0.059%
21	14.165	1877	1885	1901	rBV	306231	478709	32.90%	4.643%
22	14.465	1929	1936	1947	rBV	330674	521114	35.81%	5.054%
23	14.764	1981	1987	1998	rVB	174679	282994	19.45%	2.745%
24	14.946	2010	2018	2029	rBV3	14571	33847	2.33%	0.328%
25	15.557	2119	2122	2129	rVB3	4072	5307	0.36%	0.051%
26	15.751	2146	2155	2166	rBV	474438	754344	51.84%	7.316%
27	15.851	2166	2172	2185	rVV2	134983	222468	15.29%	2.158%
28	15.992	2194	2196	2203	rVB2	1751	2656	0.18%	0.026%
29	17.496	2446	2452	2462	rBV2	261554	409728	28.16%	3.974%
30	17.596	2462	2469	2487	rVB2	596525	943896	64.87%	9.154%
31	18.442	2609	2613	2618	rVB	4677	5241	0.36%	0.051%
32	18.859	2680	2684	2690	rVB4	3003	4947	0.34%	0.048%
33	19.277	2750	2755	2760	rBV3	1959	3571	0.25%	0.035%
34	19.435	2778	2782	2788	rVB3	8804	12546	0.86%	0.122%
35	19.500	2788	2793	2798	rBV3	8829	17480	1.20%	0.170%
36	19.535	2798	2799	2804	rVB3	4756	3718	0.26%	0.036%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	19.629	2813	2815	2817	rBV2	1816	1739	0.12%	0.017%
38	19.676	2821	2823	2827	rBV2	1998	2497	0.17%	0.024%
39	19.864	2848	2855	2871	rBV	929110	1321692	90.83%	12.818%
40	20.070	2888	2890	2893	rBV3	1846	1964	0.13%	0.019%
41	20.158	2903	2905	2906	rBV2	2280	2084	0.14%	0.020%
42	20.246	2918	2920	2921	rVB2	2945	1792	0.12%	0.017%
43	20.510	2964	2965	2969	rBV3	1963	2277	0.16%	0.022%
44	20.604	2978	2981	2982	rBV3	1575	1796	0.12%	0.017%
45	20.763	3006	3008	3011	rVB4	2400	2229	0.15%	0.022%
46	20.869	3024	3026	3029	rVB3	2304	1717	0.12%	0.017%
47	20.898	3029	3031	3034	rVB3	2177	2292	0.16%	0.022%
48	20.933	3034	3037	3040	rBV5	2457	3635	0.25%	0.035%
49	20.980	3042	3045	3047	rVV3	2463	2130	0.15%	0.021%
50	21.016	3047	3051	3052	rVB4	2053	2255	0.15%	0.022%
51	21.163	3071	3076	3077	rBV5	2694	3734	0.26%	0.036%
52	21.368	3107	3111	3113	rBV4	2617	2382	0.16%	0.023%
53	21.386	3113	3114	3119	rVB4	3719	3722	0.26%	0.036%
54	21.427	3119	3121	3127	rBV4	3184	4333	0.30%	0.042%
55	21.474	3127	3129	3132	rVB4	2168	2243	0.15%	0.022%
56	21.627	3152	3155	3160	rVB5	5903	11435	0.79%	0.111%
57	21.744	3166	3175	3188	rBV2	331069	612510	42.09%	5.940%
58	21.932	3204	3207	3210	rBV5	3223	4051	0.28%	0.039%
59	22.067	3228	3230	3231	rBV2	2547	1722	0.12%	0.017%
60	22.244	3258	3260	3264	rBV4	1911	1903	0.13%	0.018%
61	22.543	3305	3311	3316	rVB6	13411	24963	1.72%	0.242%
62	23.184	3416	3420	3423	rVV5	2606	3513	0.24%	0.034%
63	23.243	3425	3430	3436	rVV2	15531	31706	2.18%	0.307%
64	23.436	3456	3463	3470	rVB6	15003	35595	2.45%	0.345%
65	23.583	3487	3488	3490	rBV2	2016	1741	0.12%	0.017%
66	23.842	3530	3532	3533	rBV2	3232	1897	0.13%	0.018%
67	24.065	3560	3570	3577	rVB4	23622	57381	3.94%	0.557%
68	24.382	3623	3624	3627	rVB3	2786	1744	0.12%	0.017%
69	24.412	3627	3629	3633	rBV5	2047	2225	0.15%	0.022%
70	24.512	3638	3646	3655	rVB5	17027	47107	3.24%	0.457%
71	24.776	3679	3691	3711	rBV	499570	1455138	100.00%	14.112%
72	24.999	3718	3729	3743	rBV	219779	708734	48.71%	6.874%
73	25.722	3850	3852	3855	rBV4	1818	1857	0.13%	0.018%
74	25.763	3858	3859	3860	rBV	2955	1847	0.13%	0.018%
75	25.828	3862	3870	3883	rVB8	19030	63020	4.33%	0.611%
76	26.180	3921	3930	3940	rBV6	27444	80707	5.55%	0.783%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251121

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	26.345	3956	3958	3960	rVB3	2617	1913	0.13%	0.019%
78	26.832	4039	4041	4046	rBV4	2055	4203	0.29%	0.041%
79	26.938	4058	4059	4063	rBV2	2475	1999	0.14%	0.019%
80	27.391	4135	4136	4139	rBV3	2129	2308	0.16%	0.022%
81	27.490	4142	4153	4154	rBV6	18976	44029	3.03%	0.427%
82	27.714	4189	4191	4192	rBV	3025	1880	0.13%	0.018%
83	27.755	4194	4198	4200	rVV5	2040	3118	0.21%	0.030%
84	27.966	4232	4234	4237	rBV5	2364	2757	0.19%	0.027%
85	28.031	4243	4245	4249	rBV4	2640	3252	0.22%	0.032%
86	28.219	4274	4277	4278	rBV2	1807	1740	0.12%	0.017%
87	28.425	4309	4312	4314	rBV4	1934	1699	0.12%	0.016%
88	28.760	4367	4369	4370	rBV2	2764	1836	0.13%	0.018%
89	29.218	4438	4447	4448	rBV4	14295	30488	2.10%	0.296%
90	29.388	4474	4476	4479	rBV4	1910	1984	0.14%	0.019%
91	29.570	4494	4507	4509	rBV9	15047	44150	3.03%	0.428%
92	29.835	4548	4552	4553	rBV4	3379	5167	0.36%	0.050%
93	30.258	4622	4624	4627	rBV2	1833	1891	0.13%	0.018%
94	30.340	4635	4638	4639	rBV3	2381	2458	0.17%	0.024%
95	30.375	4642	4644	4646	rBV3	2657	2663	0.18%	0.026%
96	31.210	4780	4786	4788	rBV5	9444	16919	1.16%	0.164%
97	31.233	4788	4790	4792	rVV3	4571	4769	0.33%	0.046%
98	31.944	4909	4911	4913	rBV3	2375	2445	0.17%	0.024%
99	32.208	4954	4956	4958	rBV2	3837	3465	0.24%	0.034%
100	32.438	4993	4995	4998	rVB4	2813	1772	0.12%	0.017%

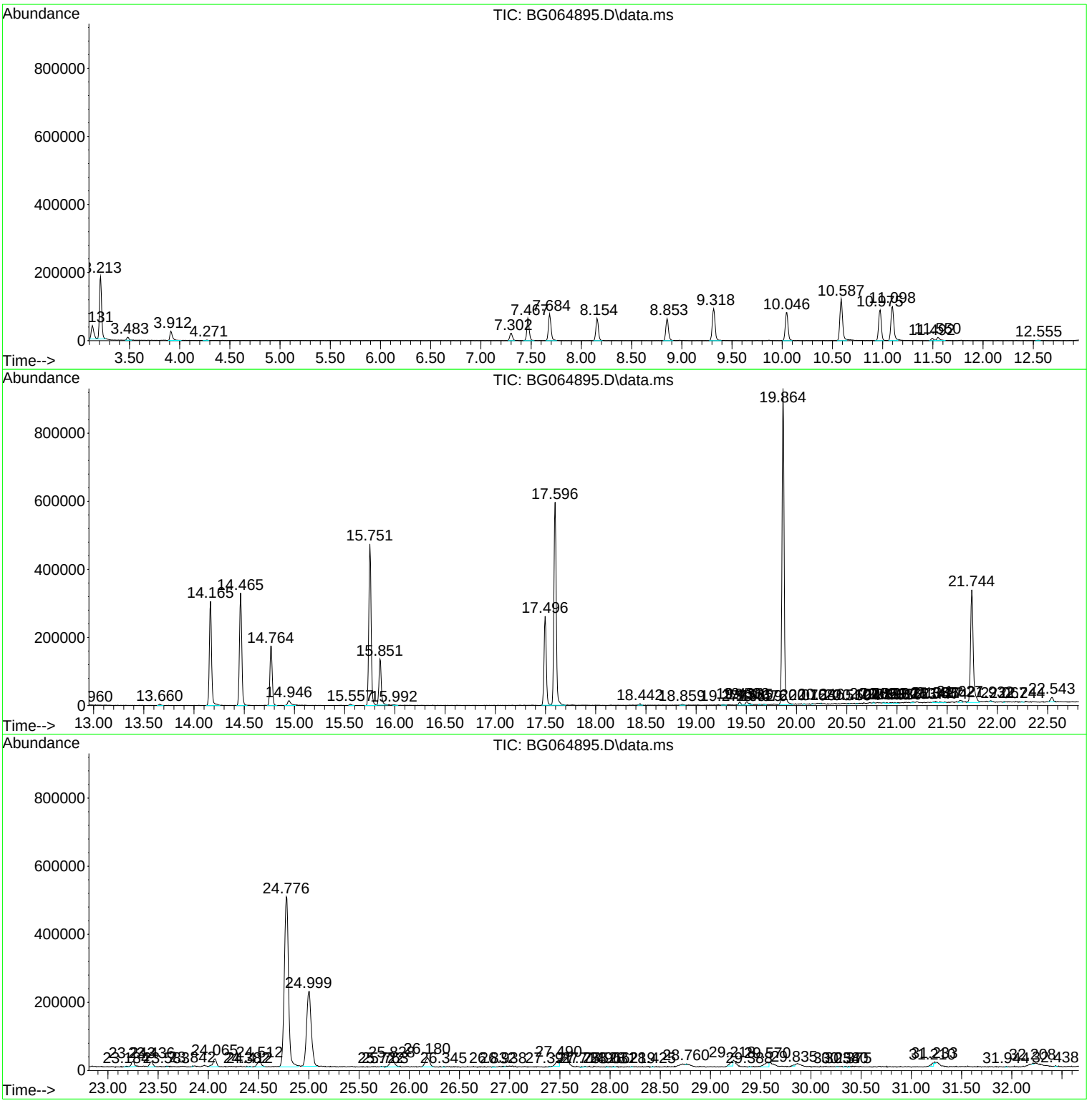
Sum of corrected areas: 10311034

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

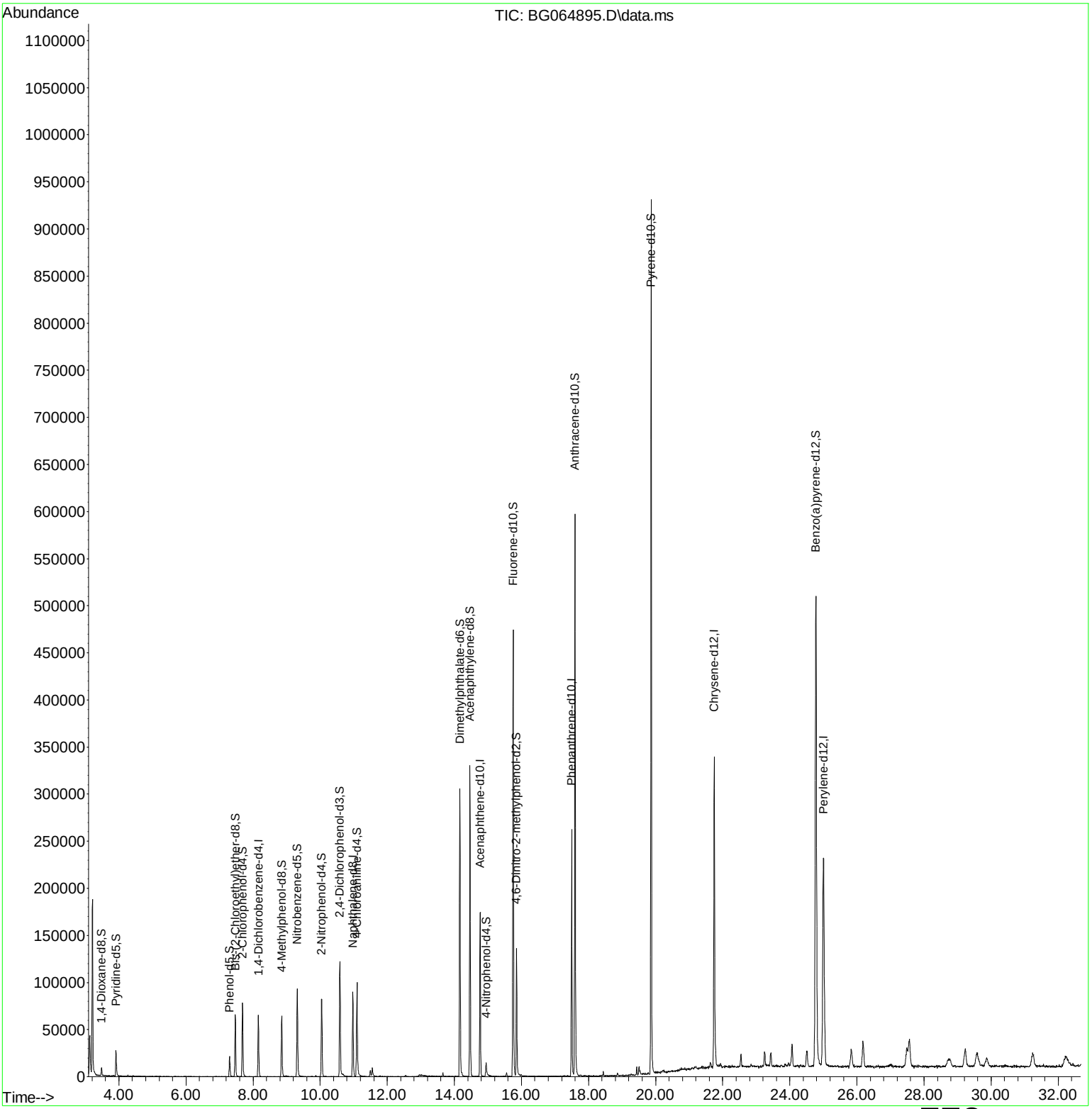
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 01 11:40:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



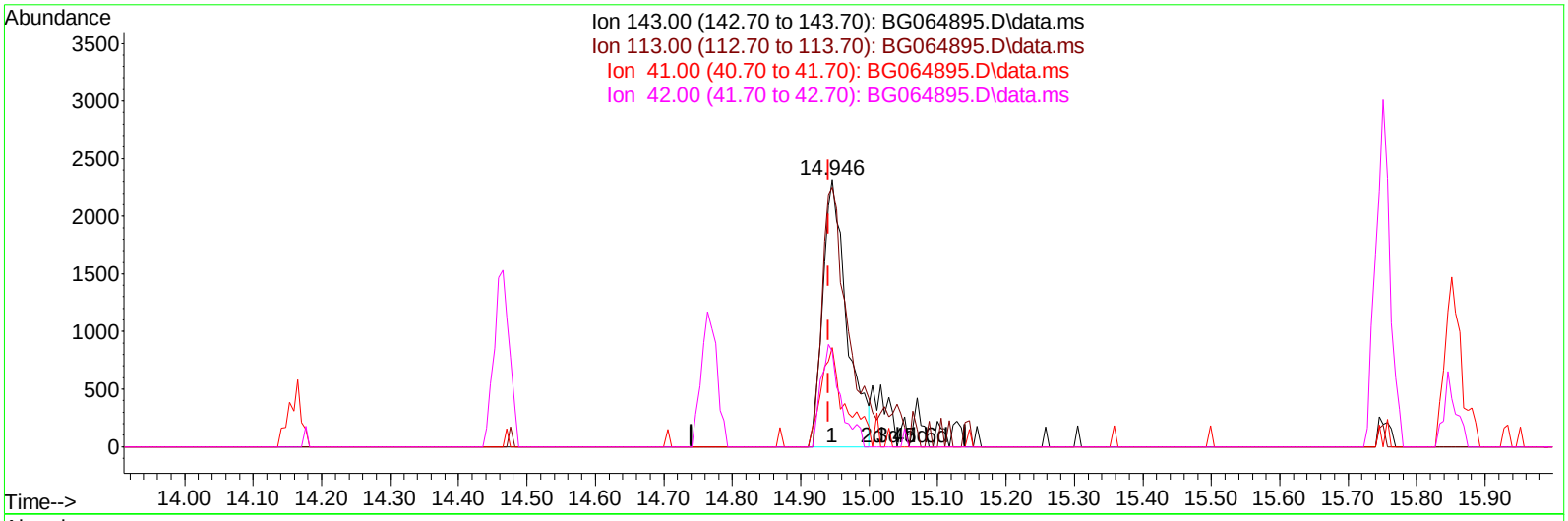
Quantitation Report (Qedit)

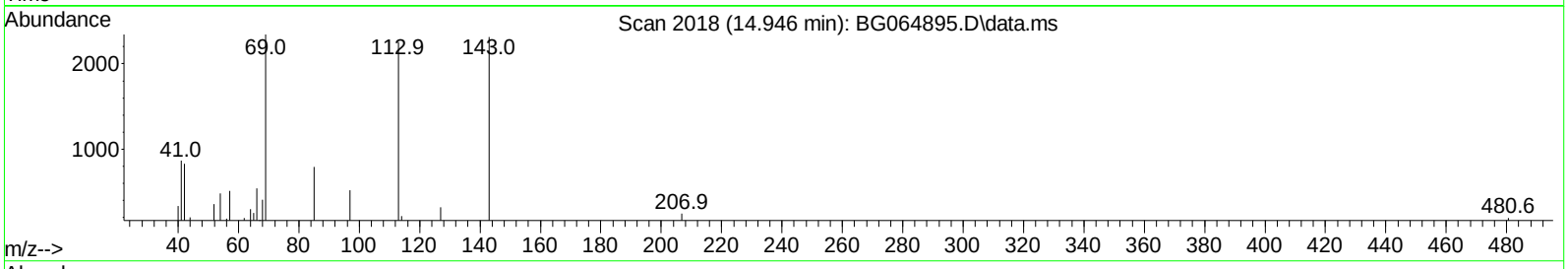
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

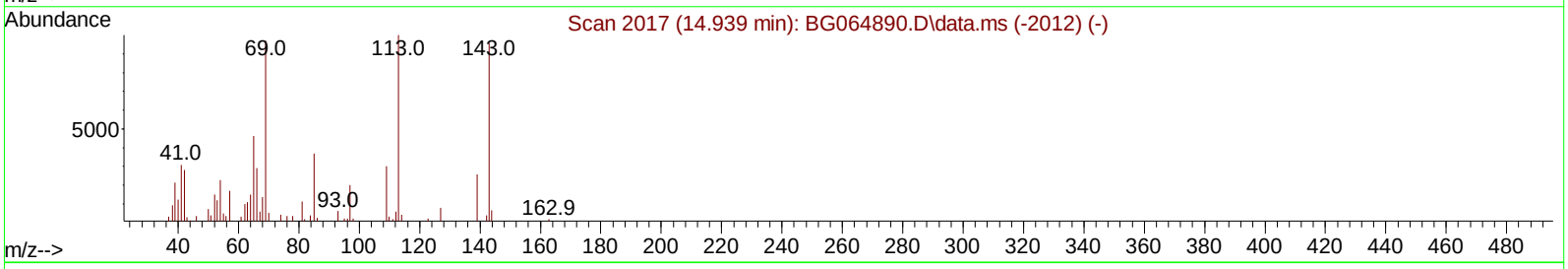
Quant Time: Dec 01 11:39:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064895.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.946min (+ 0.005) 6.74 ng/ul

response 5655

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	97.28
41.00	40.40	37.22
42.00	23.60	35.79#

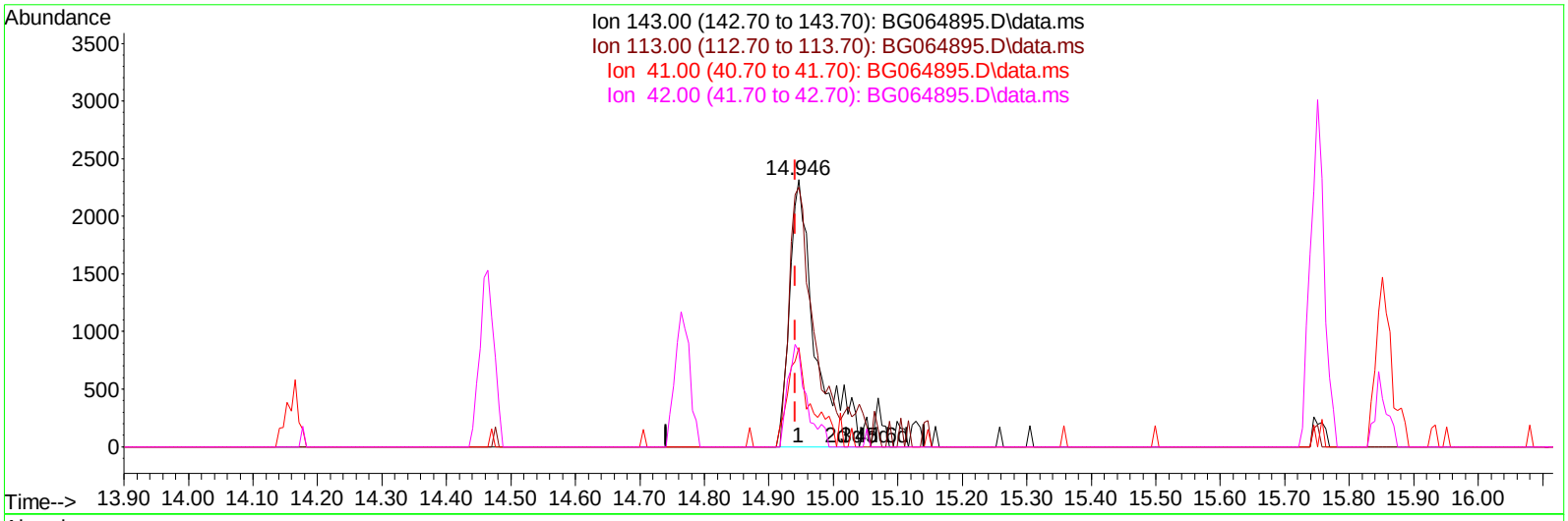
Quantitation Report (Qedit)

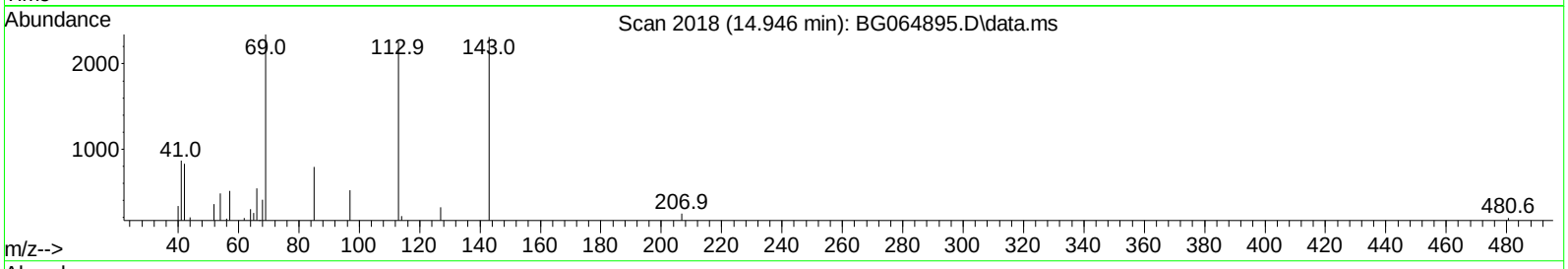
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

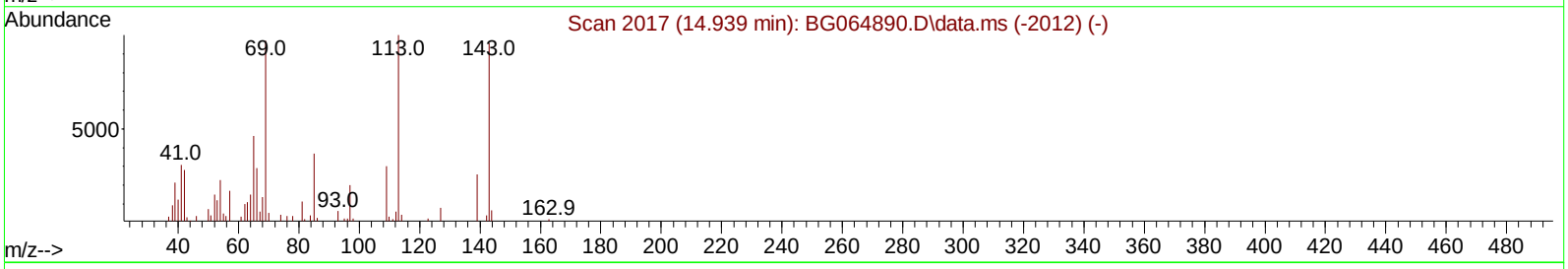
Quant Time: Dec 01 11:39:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064895.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.946min (+ 0.005) 8.54 ng/ul m

response 7166

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	97.28
41.00	40.40	37.22
42.00	23.60	35.79#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064895.D
Acq On : 26 Nov 2025 19:06
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 01 11:40:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.160	152	20410	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	76366	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.764	164	70363	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.496	188	186288	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.744	240	251460	20.000	ng/ul	# 0.00
88) Perylene-d12	24.999	264	279354	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.483	96	4417	8.578	ng/uL	0.00
4) Pyridine-d5	3.912	84	12937	9.118	ng/ul	0.00
7) Phenol-d5	7.296	99	13433	8.164	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	30837	29.305	ng/ul	0.00
11) 2-Chlorophenol-d4	7.684	132	37459	30.032	ng/ul	0.00
15) 4-Methylphenol-d8	8.853	113	25377	17.896	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	23388	40.605	ng/ul	0.00
24) 2-Nitrophenol-d4	10.046	143	28678	41.918	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	53816	38.153	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	57516	31.901	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	232032	41.922	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	235005	39.647	ng/ul	0.00
54) 4-Nitrophenol-d4	14.946	143	7166m	8.540	ng/ul	0.00
60) Fluorene-d10	15.751	176	217227	43.718	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	43894	36.803	ng/ul	0.00
73) Anthracene-d10	17.596	188	414003	43.982	ng/ul	0.00
81) Pyrene-d10	19.864	212	577473	44.708	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	661529	44.884	ng/ul	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-22
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064898.D
% Solids :
Date Received : 11/24/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-22
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064898.D
% Solids :
Date Received : 11/24/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

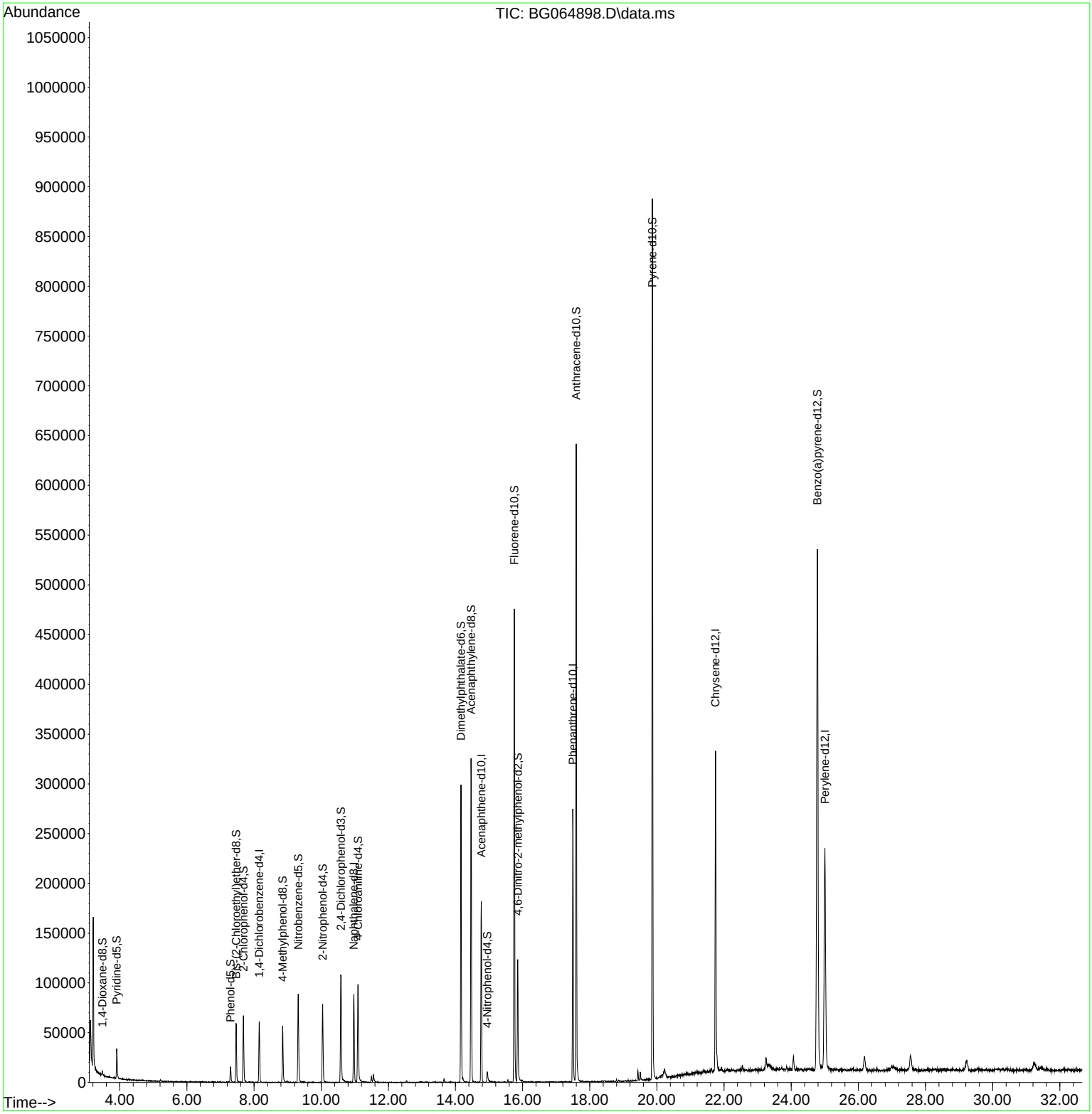
EPA-designated Registry Number.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 01 11:47:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:47:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	19000	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	76138	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	72415	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	191028	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.743	240	251871	20.000	ng/ul	# 0.00
88) Perylene-d12	25.004	264	280965	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	1869	3.899	ng/uL	0.00
4) Pyridine-d5	3.911	84	13990	10.592	ng/ul	0.00
7) Phenol-d5	7.301	99	9436	6.161	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	28470	29.063	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	31775	27.365	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	20397	15.451	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	22742	39.602	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	26198	38.408	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	48776	34.683	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	56575	31.473	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	227671	39.969	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	243376	39.895	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	5367m	6.215	ng/ul	0.00
60) Fluorene-d10	15.750	176	219737	42.970	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	41962	34.310	ng/ul	0.00
73) Anthracene-d10	17.595	188	429748	44.522	ng/ul	0.00
81) Pyrene-d10	19.863	212	585857	45.283	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	688893	46.473	ng/ul	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064898.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.129	3	7	16	rVB	45579	86808	5.80%	0.877%
2	3.212	16	21	30	rVB	152413	219865	14.70%	2.222%
3	3.482	65	67	71	rVB3	4126	4636	0.31%	0.047%
4	3.911	135	140	150	rBV	30221	48152	3.22%	0.487%
5	4.269	196	201	202	rBV3	1788	1862	0.12%	0.019%
6	5.215	356	362	364	rBV3	2109	3199	0.21%	0.032%
7	7.301	712	717	725	rBV3	15414	27799	1.86%	0.281%
8	7.465	738	745	753	rBV	59635	102462	6.85%	1.036%
9	7.683	776	782	789	rBV	67084	119547	7.99%	1.208%
10	8.153	856	862	870	rBV	61073	106702	7.13%	1.078%
11	8.852	974	981	994	rBV2	56745	101195	6.76%	1.023%
12	8.981	1001	1003	1007	rVB2	1668	1653	0.11%	0.017%
13	9.316	1052	1060	1070	rBV	88965	167733	11.21%	1.695%
14	10.045	1177	1184	1192	rBV2	78602	143658	9.60%	1.452%
15	10.585	1269	1276	1286	rBV2	108292	208480	13.94%	2.107%
16	10.650	1286	1287	1290	rVV3	2944	3425	0.23%	0.035%
17	10.697	1293	1295	1301	rVB3	1554	2513	0.17%	0.025%
18	10.973	1334	1342	1351	rBV	88808	163818	10.95%	1.656%
19	11.096	1356	1363	1376	rVV2	97993	195411	13.06%	1.975%
20	11.496	1424	1431	1436	rBV2	5761	9129	0.61%	0.092%
21	11.549	1436	1440	1455	rVB	7170	16509	1.10%	0.167%
22	12.548	1606	1610	1615	rVB2	1882	3002	0.20%	0.030%
23	13.664	1795	1800	1802	rBV2	3815	5910	0.40%	0.060%
24	14.163	1878	1885	1894	rBV	298758	458952	30.68%	4.639%
25	14.222	1894	1895	1903	rVB3	3760	4633	0.31%	0.047%
26	14.463	1929	1936	1947	rBV	325210	531237	35.51%	5.369%
27	14.769	1981	1988	2000	rVV	181951	290370	19.41%	2.935%
28	14.945	2012	2018	2029	rBV5	10588	25821	1.73%	0.261%
29	15.562	2119	2123	2129	rBV2	2522	3368	0.23%	0.034%
30	15.750	2147	2155	2167	rBV	475790	770039	51.47%	7.783%
31	15.856	2167	2173	2185	rVV	123160	214131	14.31%	2.164%
32	15.938	2185	2187	2190	rVV3	2042	3088	0.21%	0.031%
33	15.991	2194	2196	2201	rVB2	1838	2316	0.15%	0.023%
34	17.495	2446	2452	2459	rBV2	274605	422263	28.23%	4.268%
35	17.595	2462	2469	2487	rVB2	640703	987137	65.98%	9.977%
36	18.382	2599	2603	2608	rBV3	1272	2399	0.16%	0.024%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	18.447	2608	2614	2617	rVV3	1038	1755	0.12%	0.018%
38	18.793	2669	2673	2677	rBV3	1970	2102	0.14%	0.021%
39	19.434	2777	2782	2787	rBV3	10661	15902	1.06%	0.161%
40	19.504	2788	2794	2799	rVV	8734	12792	0.86%	0.129%
41	19.686	2820	2825	2826	rBV3	1661	1734	0.12%	0.018%
42	19.727	2829	2832	2834	rVB3	1883	1926	0.13%	0.019%
43	19.863	2849	2855	2866	rBV	884182	1338328	89.46%	13.526%
44	20.027	2880	2883	2885	rBV3	1326	1973	0.13%	0.020%
45	20.192	2908	2911	2913	rBV4	3632	4397	0.29%	0.044%
46	20.221	2913	2916	2917	rBV3	4577	3342	0.22%	0.034%
47	20.538	2968	2970	2975	rBV5	1299	1589	0.11%	0.016%
48	20.744	3002	3005	3008	rVV4	2348	2764	0.18%	0.028%
49	20.873	3025	3027	3029	rBV3	2821	2335	0.16%	0.024%
50	20.985	3044	3046	3049	rVB4	1916	1696	0.11%	0.017%
51	21.102	3062	3066	3068	rBV3	2140	3288	0.22%	0.033%
52	21.196	3080	3082	3085	rVB3	2908	2609	0.17%	0.026%
53	21.420	3116	3120	3122	rBV5	2004	2147	0.14%	0.022%
54	21.449	3124	3125	3127	rBV2	2226	1868	0.12%	0.019%
55	21.619	3150	3154	3159	rVB6	4039	6961	0.47%	0.070%
56	21.743	3169	3175	3189	rBV2	321520	594940	39.77%	6.013%
57	22.013	3219	3221	3223	rVB3	2271	1714	0.11%	0.017%
58	22.366	3278	3281	3283	rBV4	2379	2886	0.19%	0.029%
59	22.501	3302	3304	3306	rBV3	3779	2562	0.17%	0.026%
60	22.548	3309	3312	3314	rVB4	4731	6070	0.41%	0.061%
61	23.012	3390	3391	3393	rBV	2381	1865	0.12%	0.019%
62	23.247	3426	3431	3438	rVV4	10913	25753	1.72%	0.260%
63	23.858	3533	3535	3538	rBV4	2730	2582	0.17%	0.026%
64	23.917	3543	3545	3548	rBV4	2372	2397	0.16%	0.024%
65	23.940	3548	3549	3554	rBV4	2088	1626	0.11%	0.016%
66	24.069	3564	3571	3580	rVB5	15078	33687	2.25%	0.340%
67	24.163	3586	3587	3591	rVB4	4092	4178	0.28%	0.042%
68	24.210	3593	3595	3598	rVV3	3229	2273	0.15%	0.023%
69	24.651	3668	3670	3675	rVB5	2266	1797	0.12%	0.018%
70	24.780	3680	3692	3708	rVV	522418	1496035	100.00%	15.120%
71	25.004	3718	3730	3746	rVV2	220746	682441	45.62%	6.897%
72	25.362	3789	3791	3795	rBV5	2118	2336	0.16%	0.024%
73	25.456	3805	3807	3808	rBV2	2786	2242	0.15%	0.023%
74	25.826	3866	3870	3872	rBV3	2473	4136	0.28%	0.042%
75	26.179	3924	3930	3939	rVB5	13429	39830	2.66%	0.403%
76	26.332	3954	3956	3959	rBV4	2059	1895	0.13%	0.019%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251124

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	26.555	3991	3994	3995	rBV3	2865	2685	0.18%	0.027%
78	26.854	4043	4045	4048	rVB3	2429	1698	0.11%	0.017%
79	27.230	4108	4109	4111	rBV2	2922	1651	0.11%	0.017%
80	27.554	4156	4164	4177	rVB8	14918	55767	3.73%	0.564%
81	27.642	4177	4179	4183	rVB5	2968	2839	0.19%	0.029%
82	28.129	4259	4262	4263	rBV3	2840	2772	0.19%	0.028%
83	28.347	4297	4299	4302	rBV4	2725	2380	0.16%	0.024%
84	28.411	4308	4310	4312	rBV3	2220	2104	0.14%	0.021%
85	29.140	4433	4434	4436	rBV2	2321	1749	0.12%	0.018%
86	29.222	4446	4448	4449	rBV2	3508	3242	0.22%	0.033%
87	29.369	4472	4473	4475	rBV2	2712	2465	0.16%	0.025%
88	29.504	4495	4496	4498	rBV2	2147	1912	0.13%	0.019%
89	29.587	4508	4510	4511	rBV2	3243	2363	0.16%	0.024%
90	30.538	4670	4672	4675	rVB4	2770	1746	0.12%	0.018%
91	30.632	4687	4688	4690	rBV2	2873	1940	0.13%	0.020%
92	31.214	4785	4787	4788	rBV2	3189	2204	0.15%	0.022%
93	31.402	4817	4819	4820	rBV	2352	2233	0.15%	0.023%
94	31.484	4831	4833	4836	rBV4	2448	2658	0.18%	0.027%
95	31.731	4873	4875	4877	rVB2	3083	2054	0.14%	0.021%
96	31.760	4878	4880	4881	rVB2	3205	1880	0.13%	0.019%
97	31.784	4881	4884	4888	rBV5	2510	4575	0.31%	0.046%
98	32.236	4959	4961	4962	rBV2	2232	1577	0.11%	0.016%
99	32.501	5004	5006	5009	rVB4	4123	3919	0.26%	0.040%
100	32.524	5009	5010	5013	rBV2	3159	3785	0.25%	0.038%

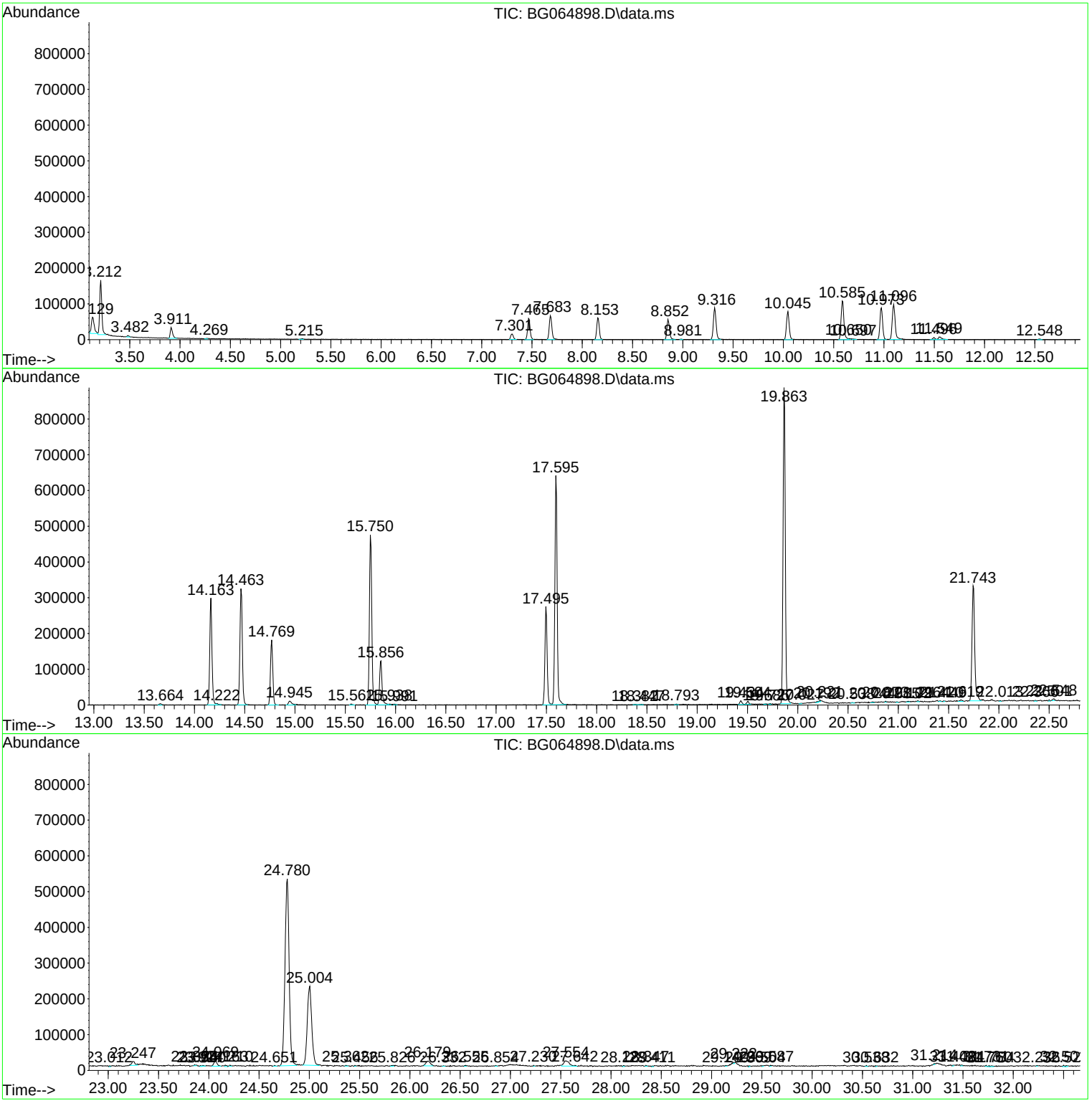
Sum of corrected areas: 9894173

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251124

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251124

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBGW-20251124

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

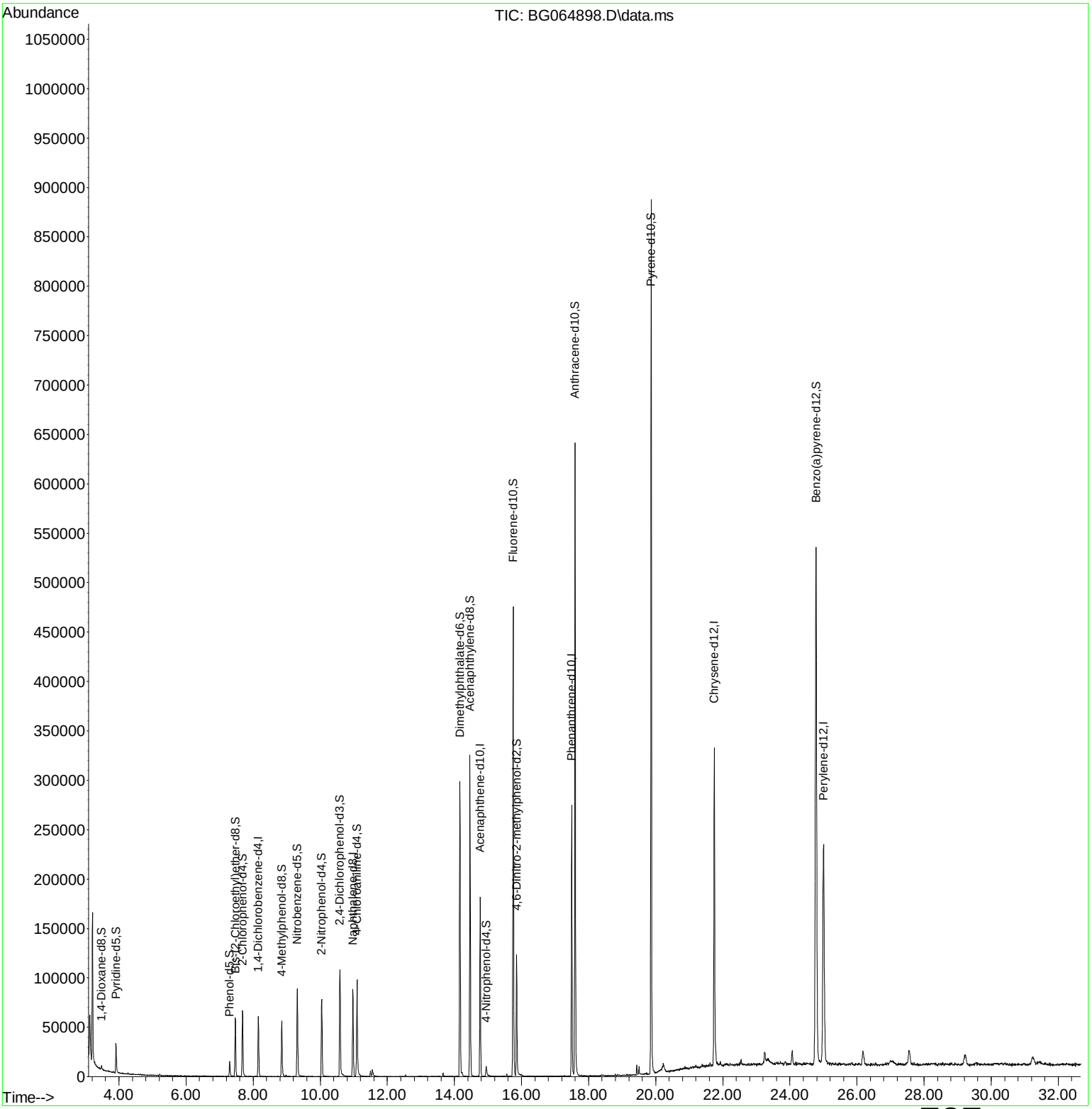
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 01 11:47:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



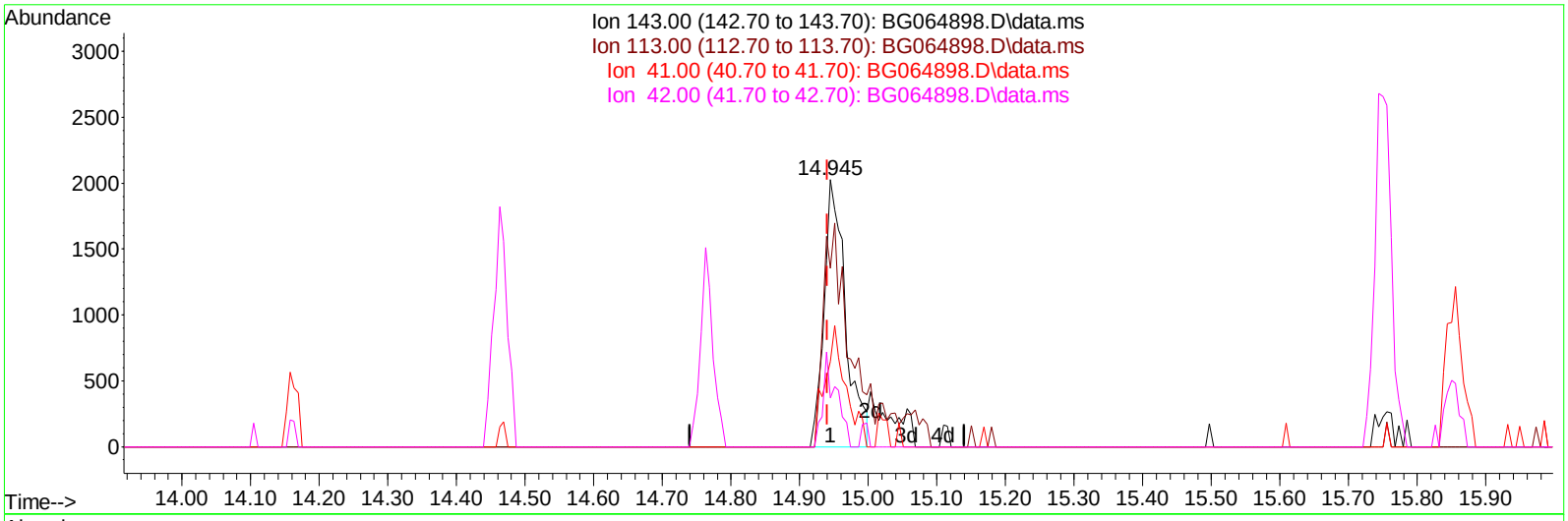
Quantitation Report (Qedit)

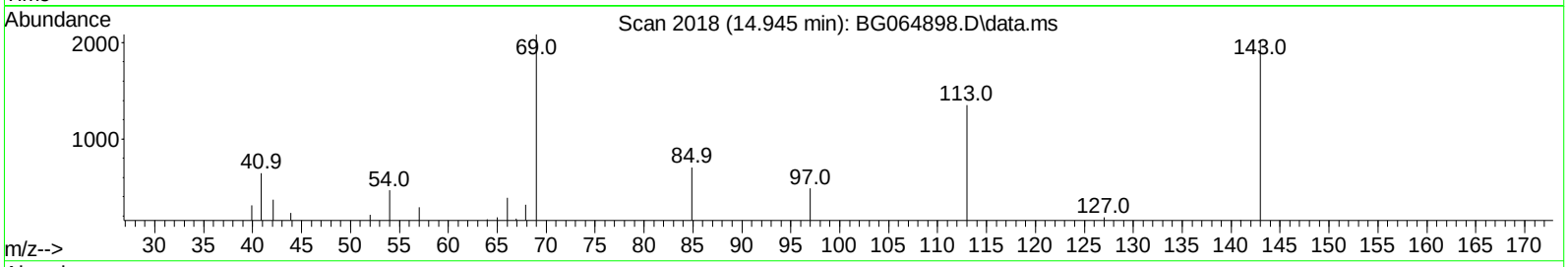
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

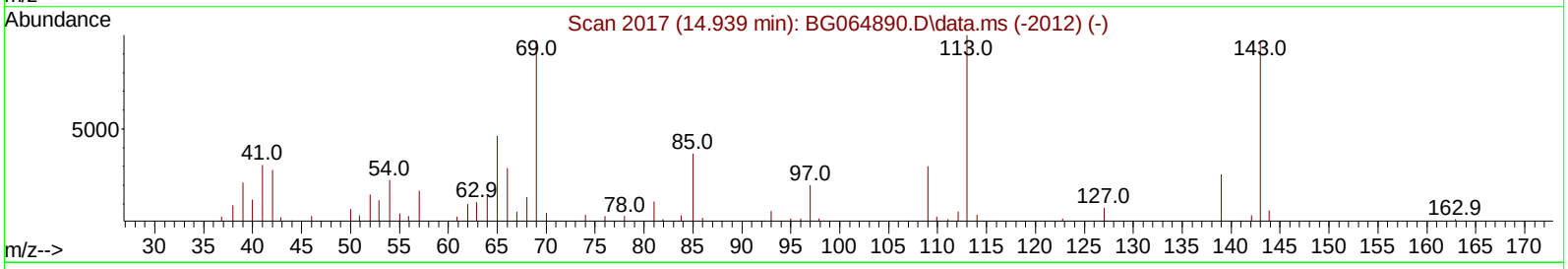
Quant Time: Dec 01 11:45:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064898.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.945min (+ 0.004) 5.12 ng/ul

response 4421

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	66.73#
41.00	40.40	31.89#
42.00	23.60	18.26#

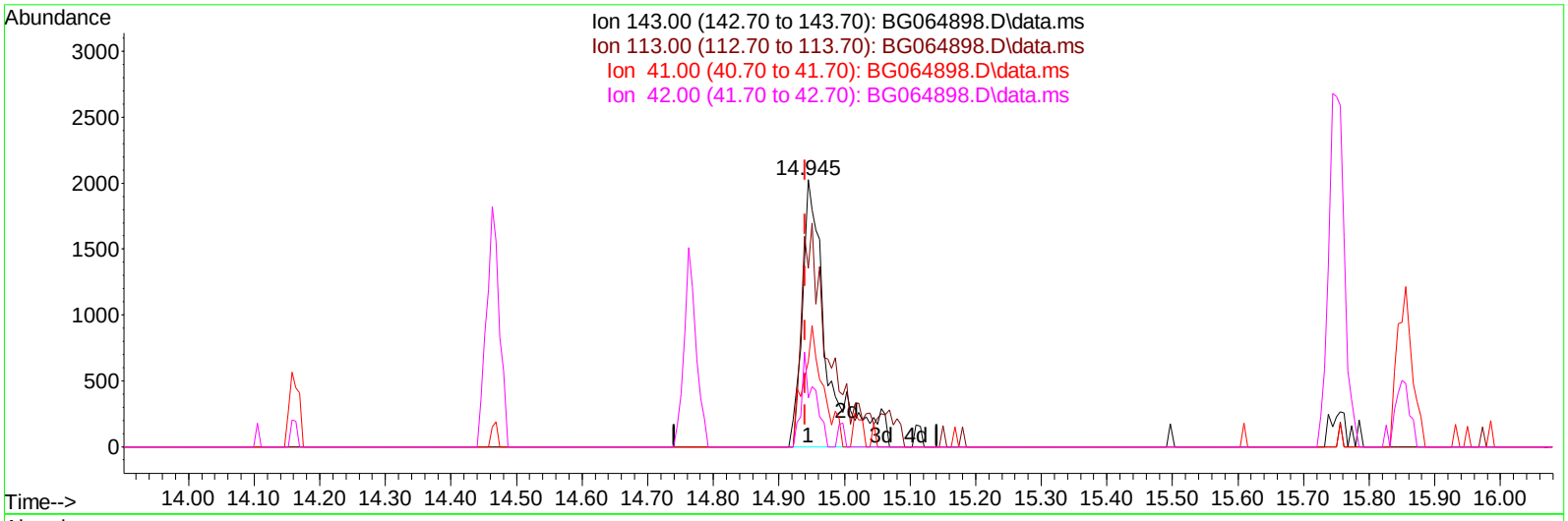
Quantitation Report (Qedit)

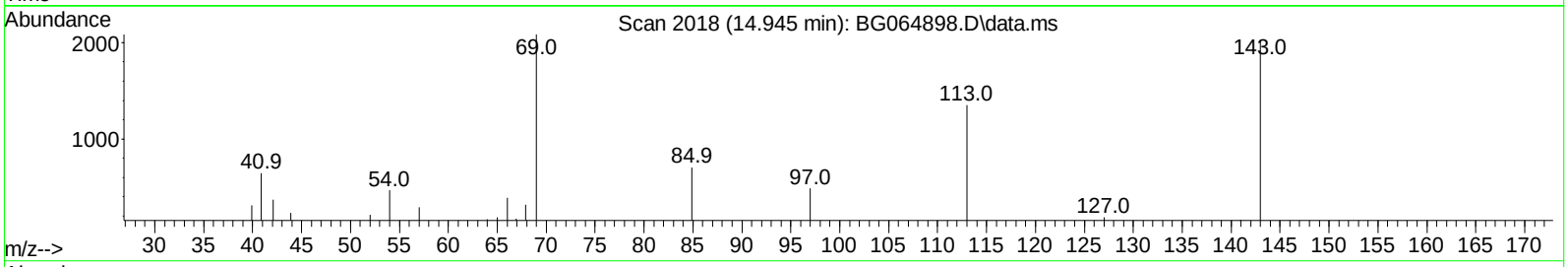
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

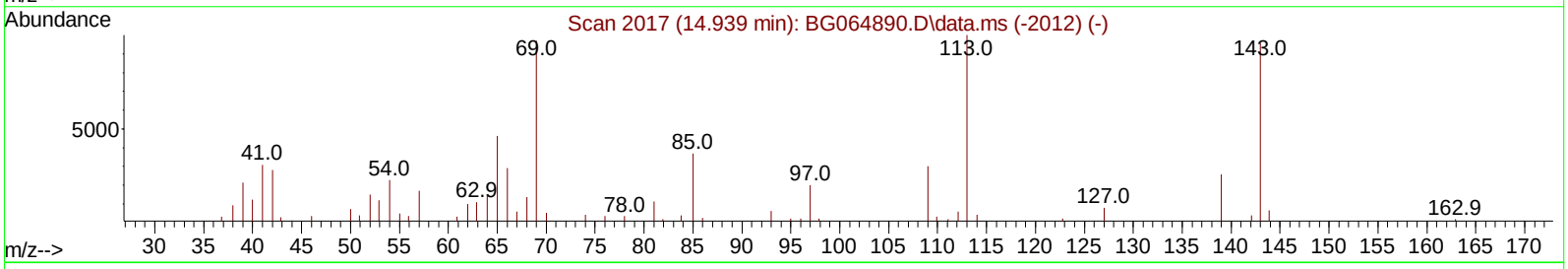
Quant Time: Dec 01 11:45:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064898.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.945min (+ 0.004) 6.21 ng/ul m

response 5367

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	66.73#
41.00	40.40	31.89#
42.00	23.60	18.26#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064898.D
Acq On : 26 Nov 2025 21:09
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:47:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	19000	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	76138	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	72415	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	191028	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.743	240	251871	20.000	ng/ul	# 0.00
88) Perylene-d12	25.004	264	280965	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	1869	3.899	ng/uL	0.00
4) Pyridine-d5	3.911	84	13990	10.592	ng/ul	0.00
7) Phenol-d5	7.301	99	9436	6.161	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	28470	29.063	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	31775	27.365	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	20397	15.451	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	22742	39.602	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	26198	38.408	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	48776	34.683	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	56575	31.473	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	227671	39.969	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	243376	39.895	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	5367m	6.215	ng/ul	0.00
60) Fluorene-d10	15.750	176	219737	42.970	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	41962	34.310	ng/ul	0.00
73) Anthracene-d10	17.595	188	429748	44.522	ng/ul	0.00
81) Pyrene-d10	19.863	212	585857	45.283	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	688893	46.473	ng/ul	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-1

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-20
Sample wt/vol : 980 (g/mL) mL
Lab File ID : BG064897.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WS-1

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-20
Sample wt/vol : 980 (g/mL) mL
Lab File ID : BG064897.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.861	8.3	JN
2	000119-61-9	Benzophenone	16.104	4.0	JN
3	000057-10-3	n-Hexadecanoic acid	18.366	2.5	JN
4	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

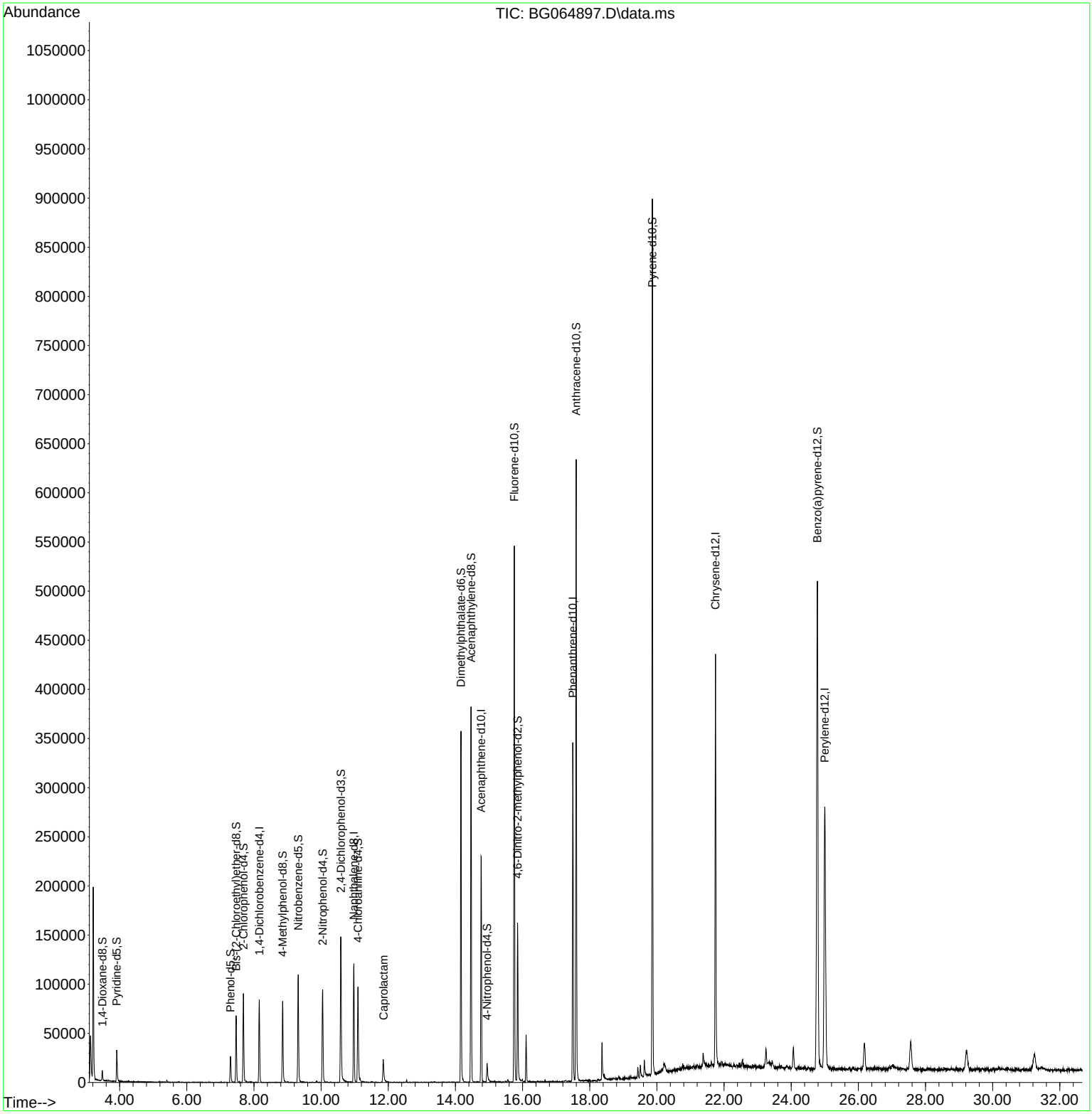
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

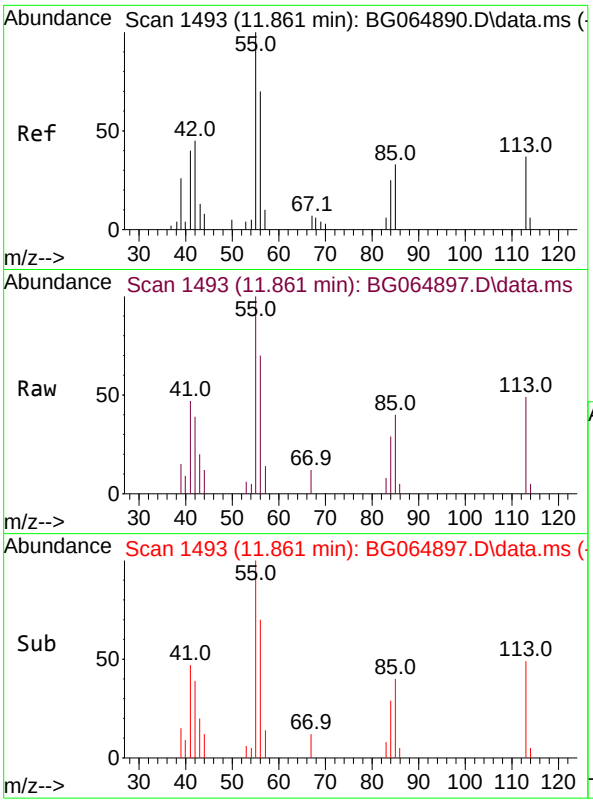
Quant Time: Dec 01 11:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



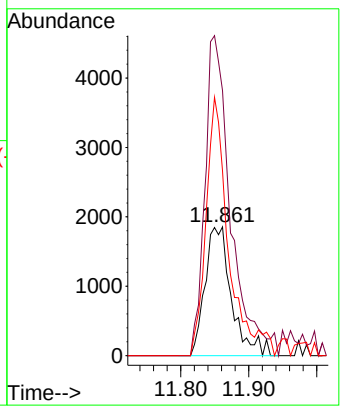
793



#34
Caprolactam
Concen: 8.123 ng/ul m
RT: 11.861 min Scan# 1493
Delta R.T. -0.007 min
Lab File: BG064897.D
Acq: 26 Nov 2025 20:28

Tgt Ion:113 Resp: 4994

Ion	Ratio	Lower	Upper
113	100		
55	205.8	187.9	281.9
56	143.4	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.160	152	26320	20.000	ng/ul	0.00
20) Naphthalene-d8	10.974	136	102134	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.764	164	93381	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.496	188	239252	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.744	240	302162	20.000	ng/ul	# 0.00
88) Perylene-d12	24.999	264	340942	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.483	96	5030	7.575	ng/uL	0.00
4) Pyridine-d5	3.912	84	15002	8.199	ng/ul	0.00
7) Phenol-d5	7.302	99	16667	7.855	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	34532	25.448	ng/ul	0.00
11) 2-Chlorophenol-d4	7.684	132	43812	27.238	ng/ul	0.00
15) 4-Methylphenol-d8	8.853	113	33436	18.284	ng/ul	0.00
21) Nitrobenzene-d5	9.317	128	26549	34.464	ng/ul	0.00
24) 2-Nitrophenol-d4	10.046	143	32502	35.522	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	64688	34.290	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	57402	23.805	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	269588	36.701	ng/ul	0.00
49) Acenaphthylene-d8	14.464	160	274055	34.838	ng/ul	0.00
54) 4-Nitrophenol-d4	14.940	143	7559m	6.788	ng/ul	0.00
60) Fluorene-d10	15.751	176	240764	36.511	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	50531	32.989	ng/ul	0.00
73) Anthracene-d10	17.596	188	436139	36.077	ng/ul	0.00
81) Pyrene-d10	19.864	212	575817	37.100	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	636775	35.400	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.861	113	4994m	8.123	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064897.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.130	3	7	15	rVV2	41254	79741	5.73%	0.689%
2	3.213	15	21	30	rVB	195489	295503	21.22%	2.552%
3	3.483	63	67	76	rVB	10309	16783	1.21%	0.145%
4	3.912	135	140	151	rBV	32270	54986	3.95%	0.475%
5	5.404	390	394	399	rVB2	2016	3056	0.22%	0.026%
6	7.302	711	717	724	rBV2	26333	51305	3.68%	0.443%
7	7.467	739	745	757	rBV	68125	118727	8.53%	1.026%
8	7.684	776	782	797	rBV	90540	163675	11.75%	1.414%
9	8.160	855	863	875	rBB	84479	151319	10.87%	1.307%
10	8.853	974	981	990	rBV2	82538	151787	10.90%	1.311%
11	9.317	1053	1060	1070	rBV	109810	201277	14.46%	1.739%
12	9.870	1148	1154	1158	rVB2	1660	2289	0.16%	0.020%
13	10.046	1176	1184	1200	rBB2	94564	183040	13.15%	1.581%
14	10.586	1269	1276	1288	rBV	148002	289074	20.76%	2.497%
15	10.974	1335	1342	1353	rBV	120351	219769	15.78%	1.898%
16	11.098	1356	1363	1372	rBV	96704	193077	13.87%	1.668%
17	11.850	1484	1491	1506	rBV3	23394	55428	3.98%	0.479%
18	12.549	1603	1610	1614	rBV	2372	2900	0.21%	0.025%
19	14.165	1878	1885	1894	rBV	357225	545486	39.18%	4.712%
20	14.223	1894	1895	1902	rVB3	3154	3263	0.23%	0.028%
21	14.464	1929	1936	1948	rBV	382157	600928	43.16%	5.191%
22	14.764	1981	1987	1994	rBV	229630	375380	26.96%	3.242%
23	14.946	2012	2018	2033	rBV3	18861	45236	3.25%	0.391%
24	15.557	2117	2122	2127	rBV2	2707	4837	0.35%	0.042%
25	15.751	2148	2155	2166	rBV	545541	847533	60.87%	7.321%
26	15.851	2166	2172	2185	rVV	161866	258979	18.60%	2.237%
27	15.933	2185	2186	2191	rVV4	2101	3122	0.22%	0.027%
28	15.992	2191	2196	2200	rVB4	2471	3722	0.27%	0.032%
29	16.104	2208	2215	2223	rBV2	48187	73624	5.29%	0.636%
30	16.668	2306	2311	2313	rBV2	2333	2726	0.20%	0.024%
31	17.237	2403	2408	2411	rBV2	1419	2994	0.22%	0.026%
32	17.290	2411	2417	2421	rVB4	1181	2192	0.16%	0.019%
33	17.496	2445	2452	2462	rBV2	344882	530840	38.12%	4.585%
34	17.596	2462	2469	2483	rVB	632104	1006234	72.26%	8.691%
35	18.248	2575	2580	2582	rBV3	2219	3523	0.25%	0.030%
36	18.366	2596	2600	2611	rBV2	37951	65385	4.70%	0.565%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	18.436	2611	2612	2617	rVB3	3805	4159	0.30%	0.036%
38	18.665	2648	2651	2653	rVB3	1815	1901	0.14%	0.016%
39	18.700	2653	2657	2659	rBV3	1645	2577	0.19%	0.022%
40	18.865	2680	2685	2688	rBV4	3659	5721	0.41%	0.049%
41	18.983	2702	2705	2708	rVB3	2022	1936	0.14%	0.017%
42	19.047	2714	2716	2718	rBV	2638	2006	0.14%	0.017%
43	19.223	2742	2746	2747	rBV4	3241	3566	0.26%	0.031%
44	19.435	2777	2782	2789	rVB4	10851	17027	1.22%	0.147%
45	19.505	2789	2794	2802	rBV2	12921	27437	1.97%	0.237%
46	19.623	2809	2814	2822	rBV6	17281	30803	2.21%	0.266%
47	19.770	2836	2839	2842	rBV5	2372	2723	0.20%	0.024%
48	19.864	2849	2855	2868	rBV	890776	1326243	95.25%	11.455%
49	19.975	2871	2874	2875	rVB3	2916	2626	0.19%	0.023%
50	20.205	2911	2913	2915	rBV3	3497	2869	0.21%	0.025%
51	20.375	2940	2942	2947	rBV4	2406	4242	0.30%	0.037%
52	20.628	2983	2985	2991	rBV7	2658	4652	0.33%	0.040%
53	20.716	2999	3000	3002	rBV2	3517	2771	0.20%	0.024%
54	20.751	3002	3006	3007	rBV3	3451	2849	0.20%	0.025%
55	20.769	3007	3009	3012	rVV4	5699	5077	0.36%	0.044%
56	20.798	3012	3014	3016	rVV3	3765	2840	0.20%	0.025%
57	20.951	3038	3040	3043	rBV3	2888	2287	0.16%	0.020%
58	21.074	3059	3061	3063	rBV3	3187	3934	0.28%	0.034%
59	21.333	3103	3105	3107	rBV3	3415	3245	0.23%	0.028%
60	21.380	3110	3113	3117	rVV5	10911	16880	1.21%	0.146%
61	21.621	3152	3154	3159	rBV5	4607	5393	0.39%	0.047%
62	21.744	3168	3175	3187	rBV2	418721	725817	52.13%	6.269%
63	22.308	3269	3271	3273	rBV3	2884	2880	0.21%	0.025%
64	22.473	3297	3299	3300	rBV2	4441	2715	0.19%	0.023%
65	22.555	3309	3313	3315	rVB5	5897	8188	0.59%	0.071%
66	22.608	3320	3322	3328	rBV7	2937	5336	0.38%	0.046%
67	22.702	3336	3338	3339	rBV2	3063	2532	0.18%	0.022%
68	22.849	3359	3363	3365	rVB4	4194	3933	0.28%	0.034%
69	23.054	3396	3398	3399	rBV2	3035	2579	0.19%	0.022%
70	23.101	3404	3406	3408	rVB3	3093	2134	0.15%	0.018%
71	23.248	3425	3431	3436	rBV3	16230	31030	2.23%	0.268%
72	23.430	3458	3462	3473	rVB3	8726	23591	1.69%	0.204%
73	23.530	3478	3479	3482	rVB3	2971	2877	0.21%	0.025%
74	23.648	3497	3499	3502	rVB4	3210	2424	0.17%	0.021%
75	23.712	3507	3510	3512	rBV4	3193	3401	0.24%	0.029%
76	24.065	3565	3570	3578	rVB4	21245	45919	3.30%	0.397%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	24.229	3596	3598	3600	rBV2	3398	2816	0.20%	0.024%
78	24.388	3623	3625	3628	rBV3	2894	2666	0.19%	0.023%
79	24.605	3660	3662	3663	rVB2	3213	1866	0.13%	0.016%
80	24.782	3680	3692	3705	rBV	496321	1392425	100.00%	12.027%
81	24.999	3717	3729	3742	rBV2	265633	851507	61.15%	7.355%
82	26.074	3910	3912	3914	rVB3	2871	1966	0.14%	0.017%
83	26.180	3924	3930	3941	rVB3	27556	83577	6.00%	0.722%
84	26.556	3992	3994	3996	rBV3	2906	2618	0.19%	0.023%
85	26.879	4047	4049	4050	rBV2	2683	2238	0.16%	0.019%
86	26.967	4062	4064	4066	rBV3	2396	1913	0.14%	0.017%
87	27.561	4155	4165	4179	rVB4	28954	107352	7.71%	0.927%
88	27.878	4217	4219	4221	rVB3	3010	2222	0.16%	0.019%
89	28.072	4250	4252	4256	rVV5	2631	2810	0.20%	0.024%
90	28.959	4401	4403	4406	rVB4	3547	2715	0.19%	0.023%
91	29.223	4438	4448	4462	rVB6	21707	95873	6.89%	0.828%
92	29.359	4469	4471	4475	rVB5	2600	2984	0.21%	0.026%
93	29.834	4550	4552	4556	rVB5	2822	3169	0.23%	0.027%
94	29.911	4562	4565	4566	rBV3	2585	2789	0.20%	0.024%
95	30.193	4610	4613	4617	rVB5	2981	4034	0.29%	0.035%
96	30.422	4650	4652	4654	rBV3	3060	2796	0.20%	0.024%
97	31.074	4762	4763	4766	rBV3	2363	1919	0.14%	0.017%
98	31.233	4778	4790	4792	rBV4	14953	39913	2.87%	0.345%
99	32.026	4923	4925	4927	rBV3	2453	2399	0.17%	0.021%
100	32.097	4935	4937	4939	rBV2	3081	1938	0.14%	0.017%

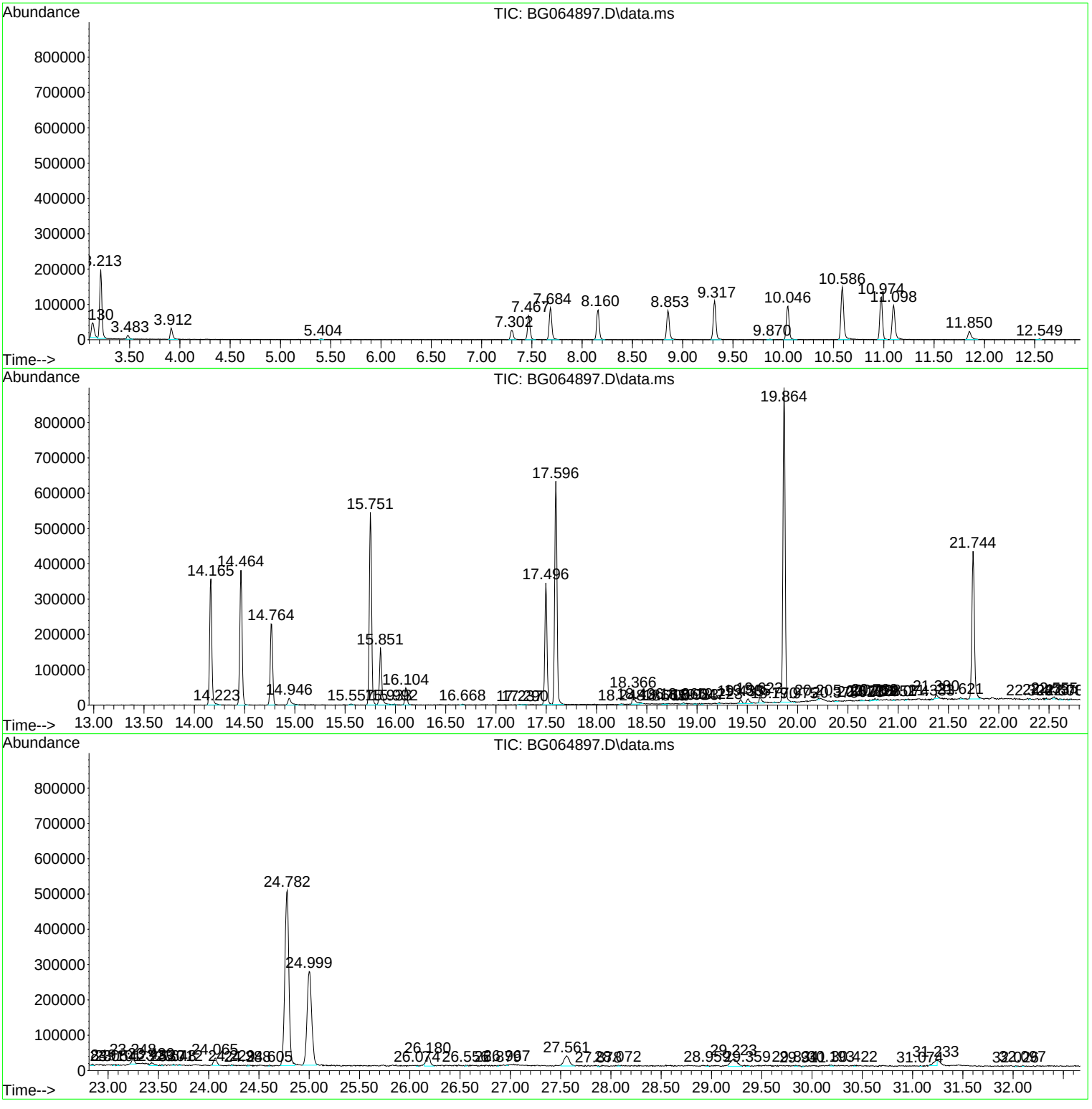
Sum of corrected areas: 11577365

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

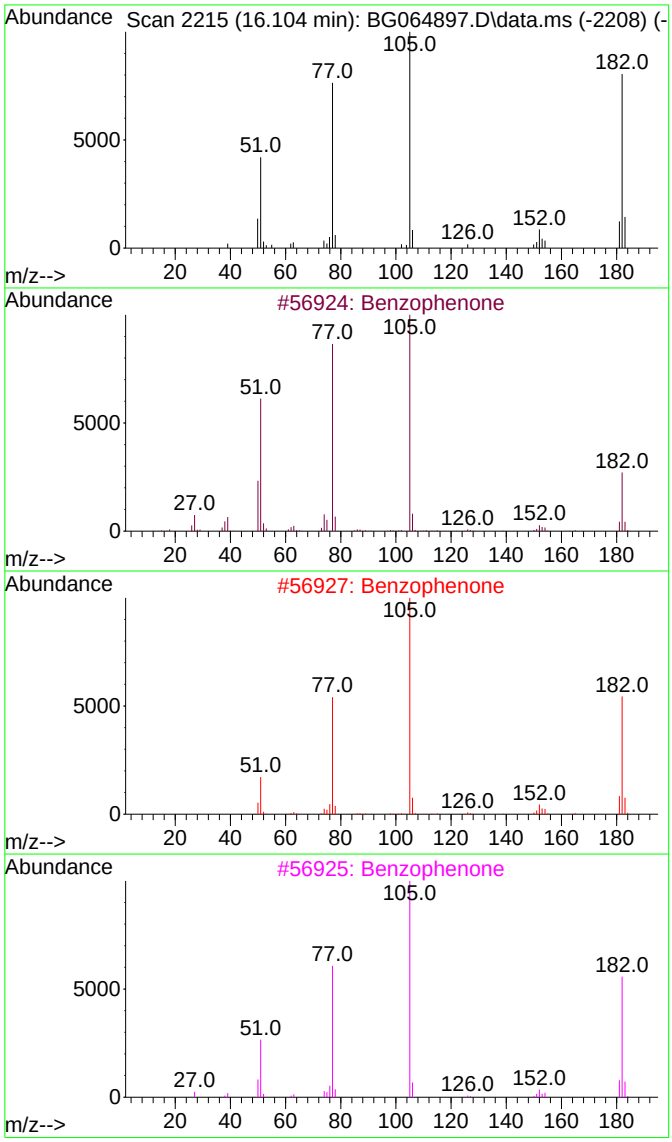
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

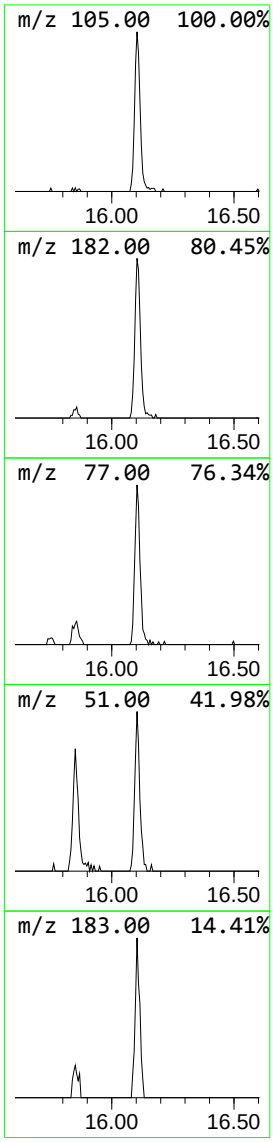
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Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.104	3.92 ng/ul	73624	Acenaphthene-d10	14.764

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Benzophenone	182	C13H10O	000119-61-9	93
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	91
5	Benzophenone	182	C13H10O	000119-61-9	53





800

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-1

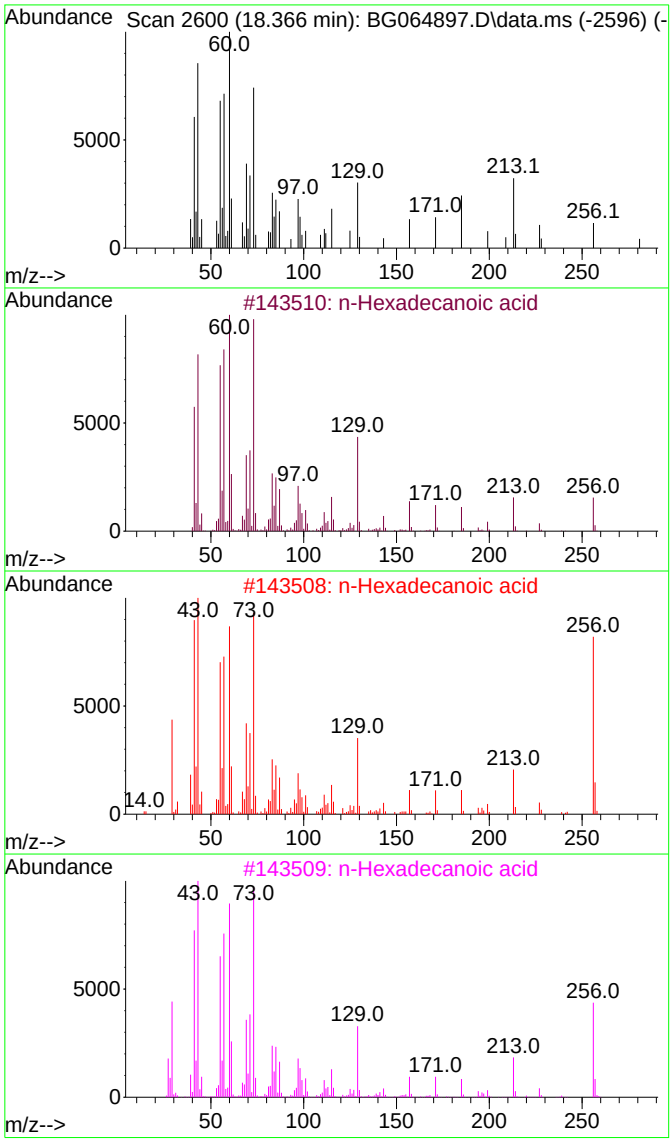
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Quant Title : SVOA CALIBRATION

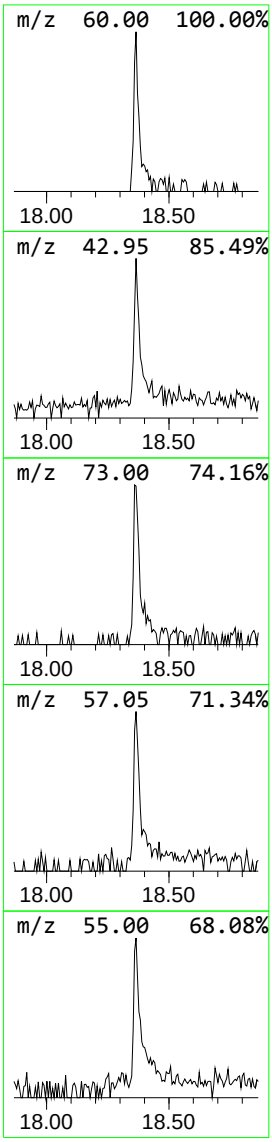
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.366	2.46 ng/ul	65385	Phenanthrene-d10	17.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
4	1-Phenazinecarboxylic acid, 6-[1...	506	C31H42N2O4	120464-92-8	59
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50





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Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.104	3.9	ng/ul	73624	3	14.764	375380	20.0
n-Hexadecanoic ...	18.366	2.5	ng/ul	65385	4	17.496	530840	20.0

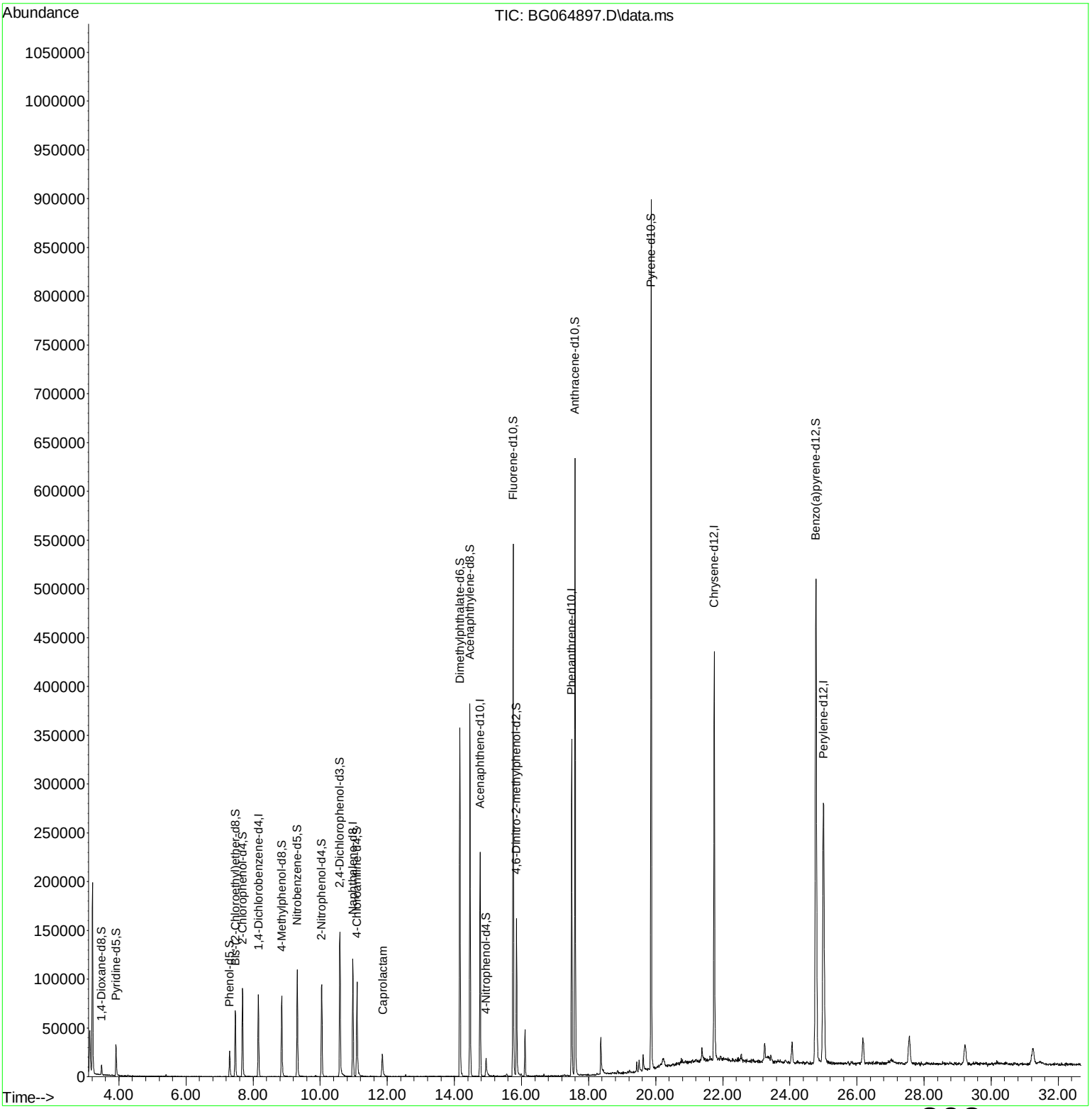
Quantitation Report (QT Reviewed)

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Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 01 11:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



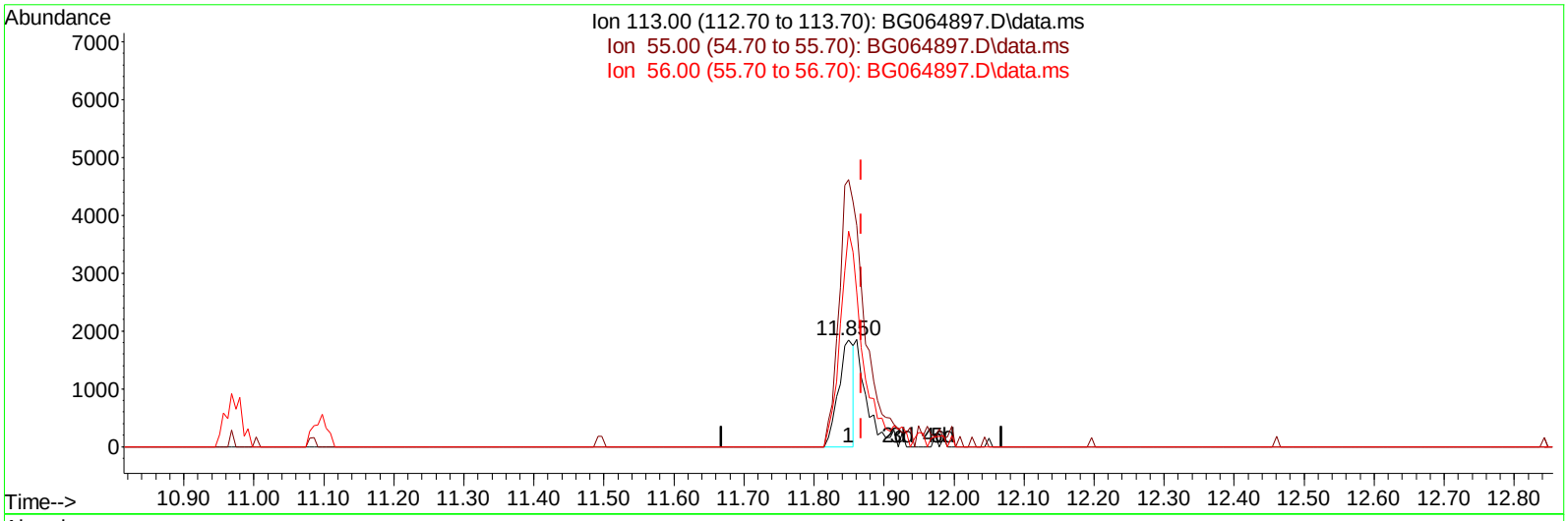
Quantitation Report (Qedit)

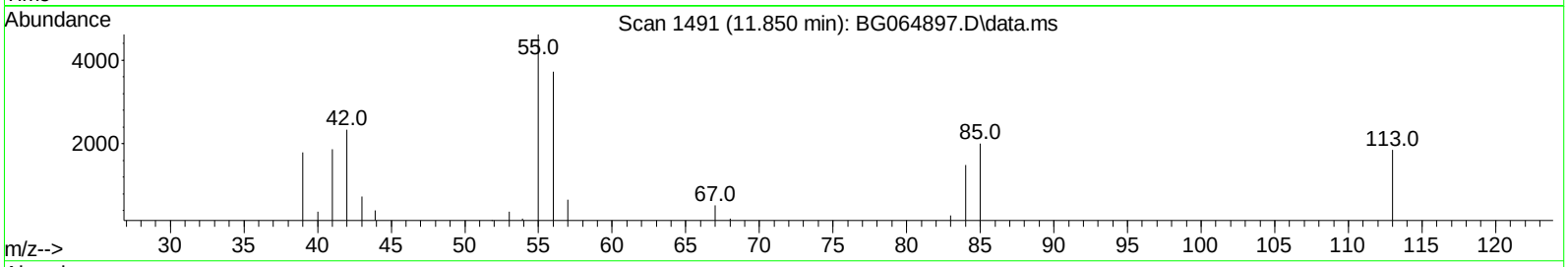
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Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

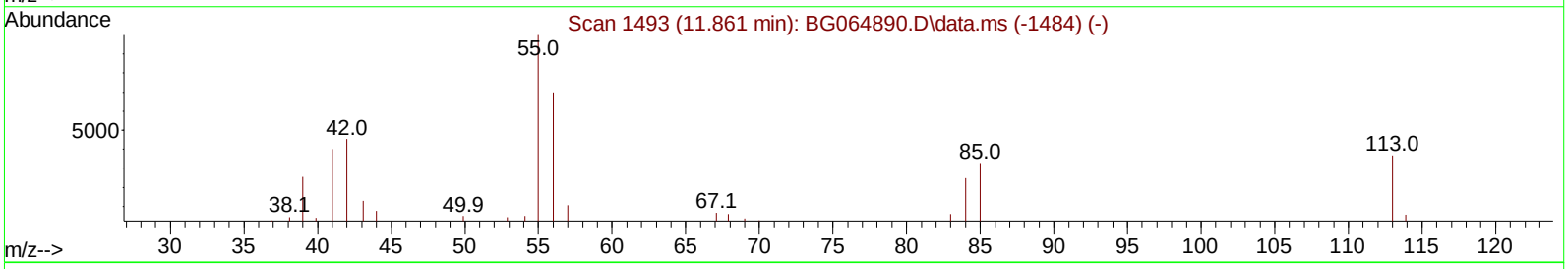
Quant Time: Dec 01 11:43:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
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TIC: BG064897.D\data.ms

(34) Caprolactam

11.850min (-0.018) 4.51 ng/ul

response 2775

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	249.84
56.00	159.40	201.68#
0.00	0.00	0.00

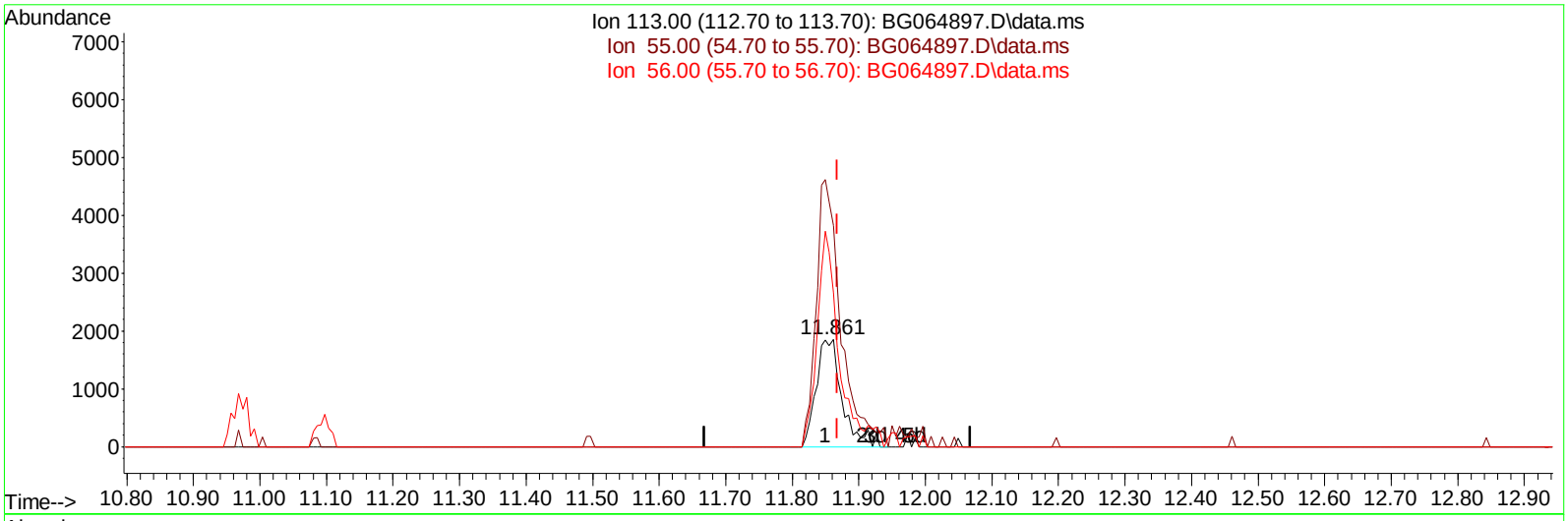
Quantitation Report (Qedit)

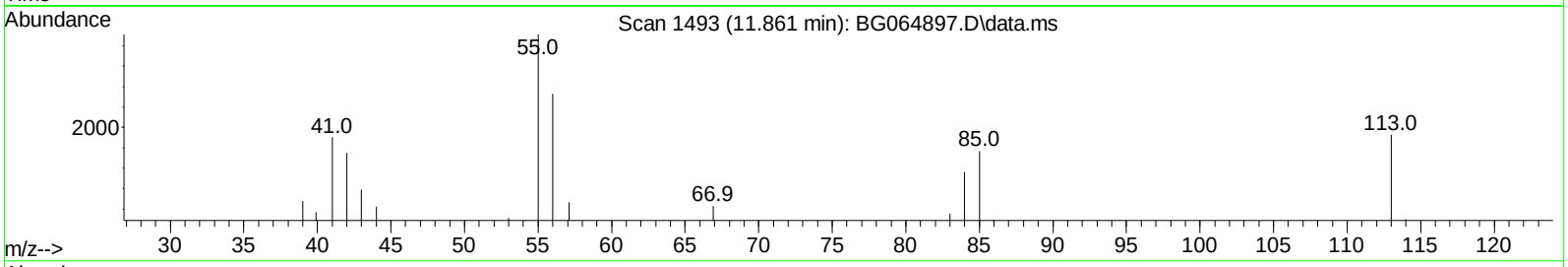
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

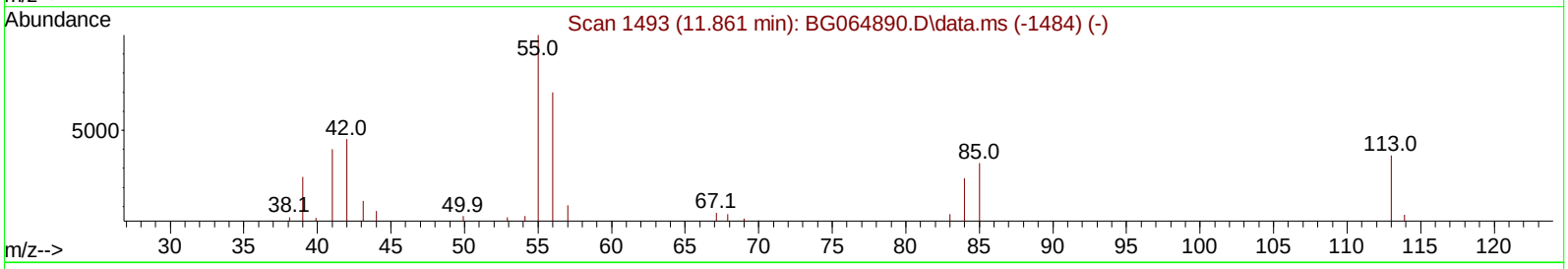
Quant Time: Dec 01 11:43:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064897.D\data.ms

(34) Caprolactam

11.861min (-0.007) 8.12 ng/ul m

response 4994

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	205.82
56.00	159.40	143.43
0.00	0.00	0.00

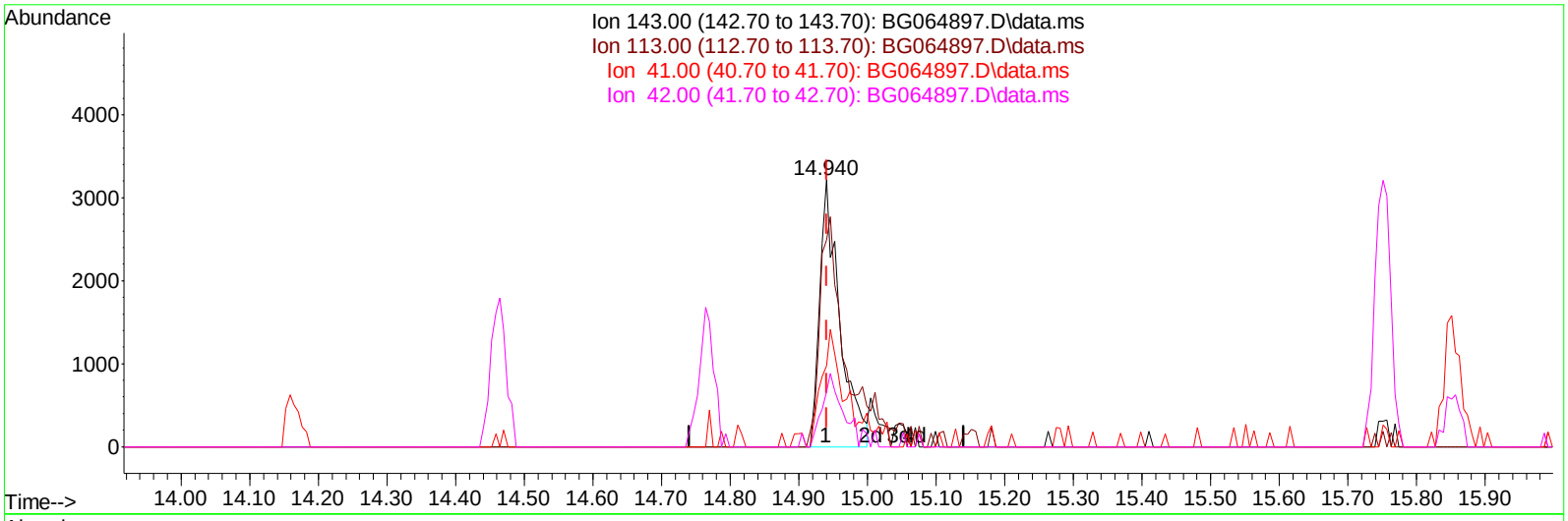
Quantitation Report (Qedit)

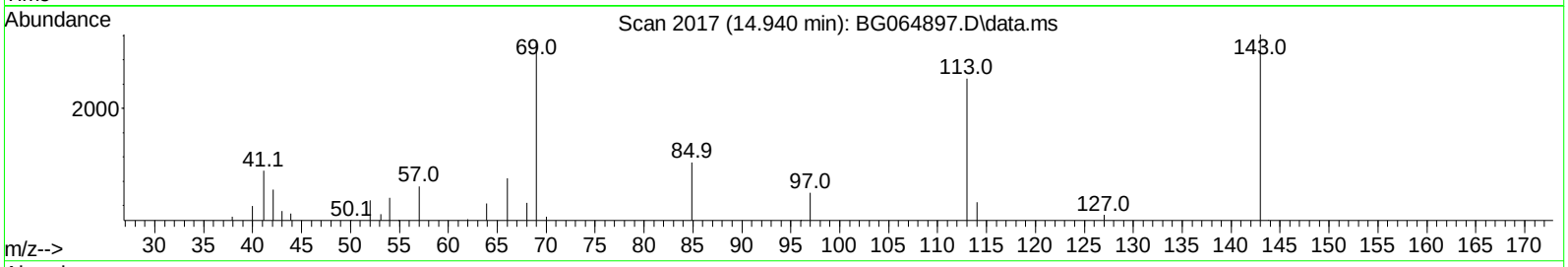
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

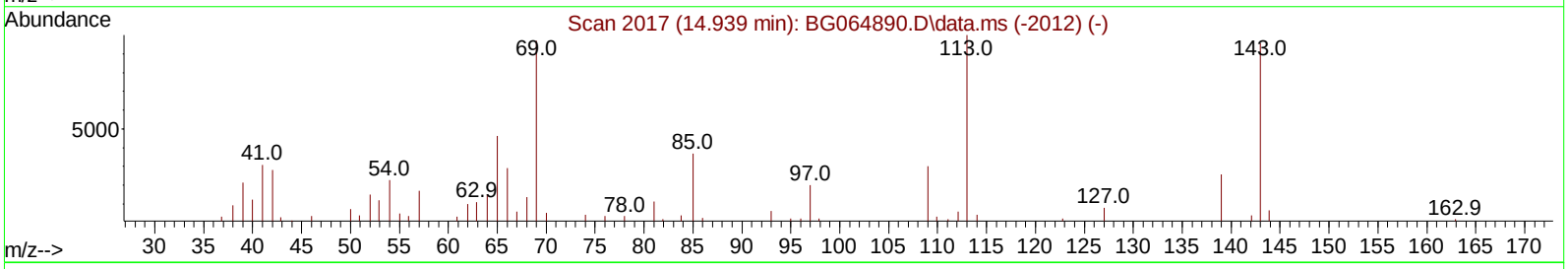
Quant Time: Dec 01 11:43:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
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TIC: BG064897.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.940min (-0.001) 5.86 ng/ul

response 6529

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	77.36
41.00	40.40	30.25#
42.00	23.60	20.65

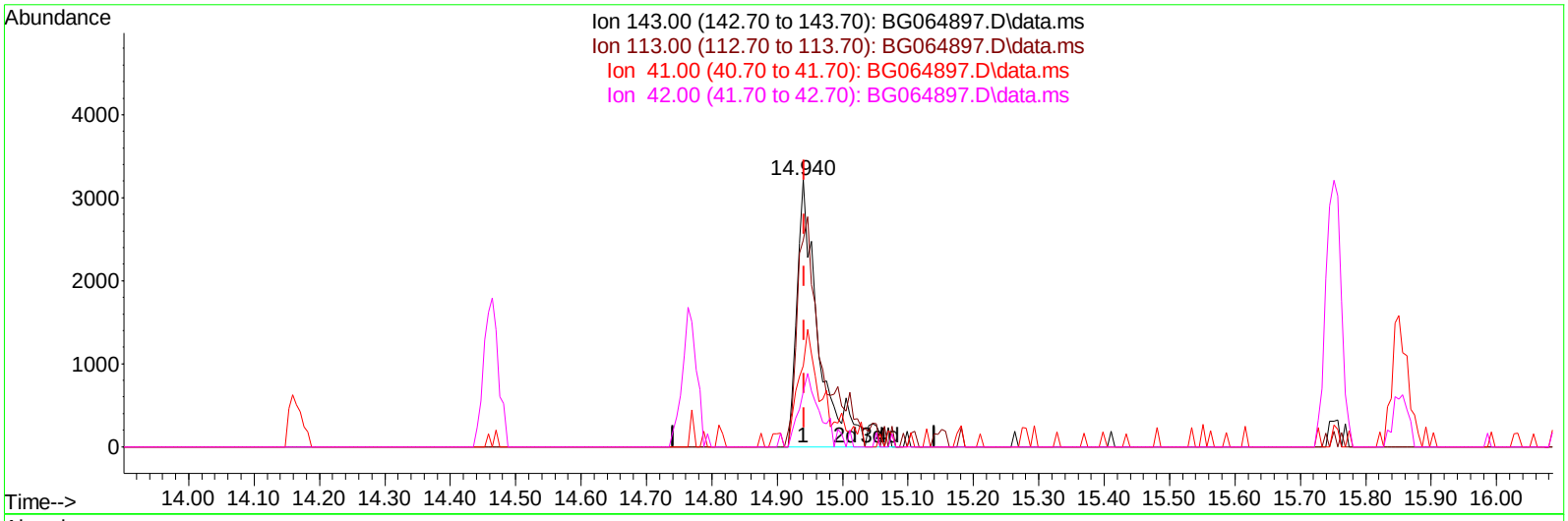
Quantitation Report (Qedit)

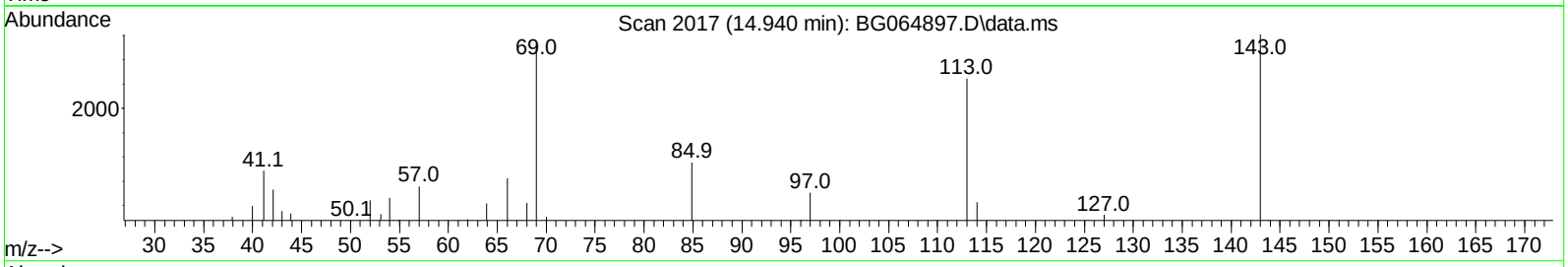
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

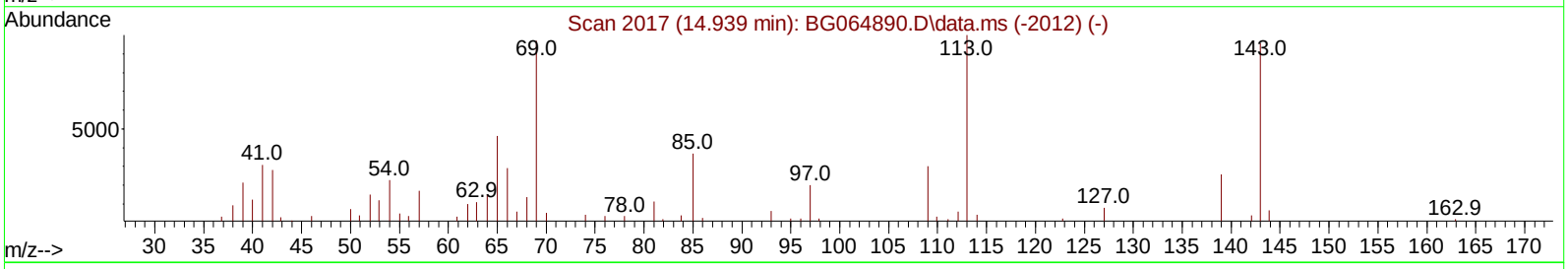
Quant Time: Dec 01 11:43:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
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TIC: BG064897.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.940min (-0.001) 6.79 ng/ul m

response 7559

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	77.36
41.00	40.40	30.25#
42.00	23.60	20.65

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064897.D
Acq On : 26 Nov 2025 20:28
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 01 11:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-1

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.160	152	26320	20.000	ng/ul	0.00
20) Naphthalene-d8	10.974	136	102134	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.764	164	93381	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.496	188	239252	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.744	240	302162	20.000	ng/ul	# 0.00
88) Perylene-d12	24.999	264	340942	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.483	96	5030	7.575	ng/uL	0.00
4) Pyridine-d5	3.912	84	15002	8.199	ng/ul	0.00
7) Phenol-d5	7.302	99	16667	7.855	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	34532	25.448	ng/ul	0.00
11) 2-Chlorophenol-d4	7.684	132	43812	27.238	ng/ul	0.00
15) 4-Methylphenol-d8	8.853	113	33436	18.284	ng/ul	0.00
21) Nitrobenzene-d5	9.317	128	26549	34.464	ng/ul	0.00
24) 2-Nitrophenol-d4	10.046	143	32502	35.522	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	64688	34.290	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	57402	23.805	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	269588	36.701	ng/ul	0.00
49) Acenaphthylene-d8	14.464	160	274055	34.838	ng/ul	0.00
54) 4-Nitrophenol-d4	14.940	143	7559m	6.788	ng/ul	0.00
60) Fluorene-d10	15.751	176	240764	36.511	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	50531	32.989	ng/ul	0.00
73) Anthracene-d10	17.596	188	436139	36.077	ng/ul	0.00
81) Pyrene-d10	19.864	212	575817	37.100	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	636775	35.400	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.861	113	4994m	8.123	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-14

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-16
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064888.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WS-14

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-16
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064888.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : 6 Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	105-60-2	Caprolactam	11.862	3.8	JN
2	E966796	Total Alkanes	N/A	5.8	

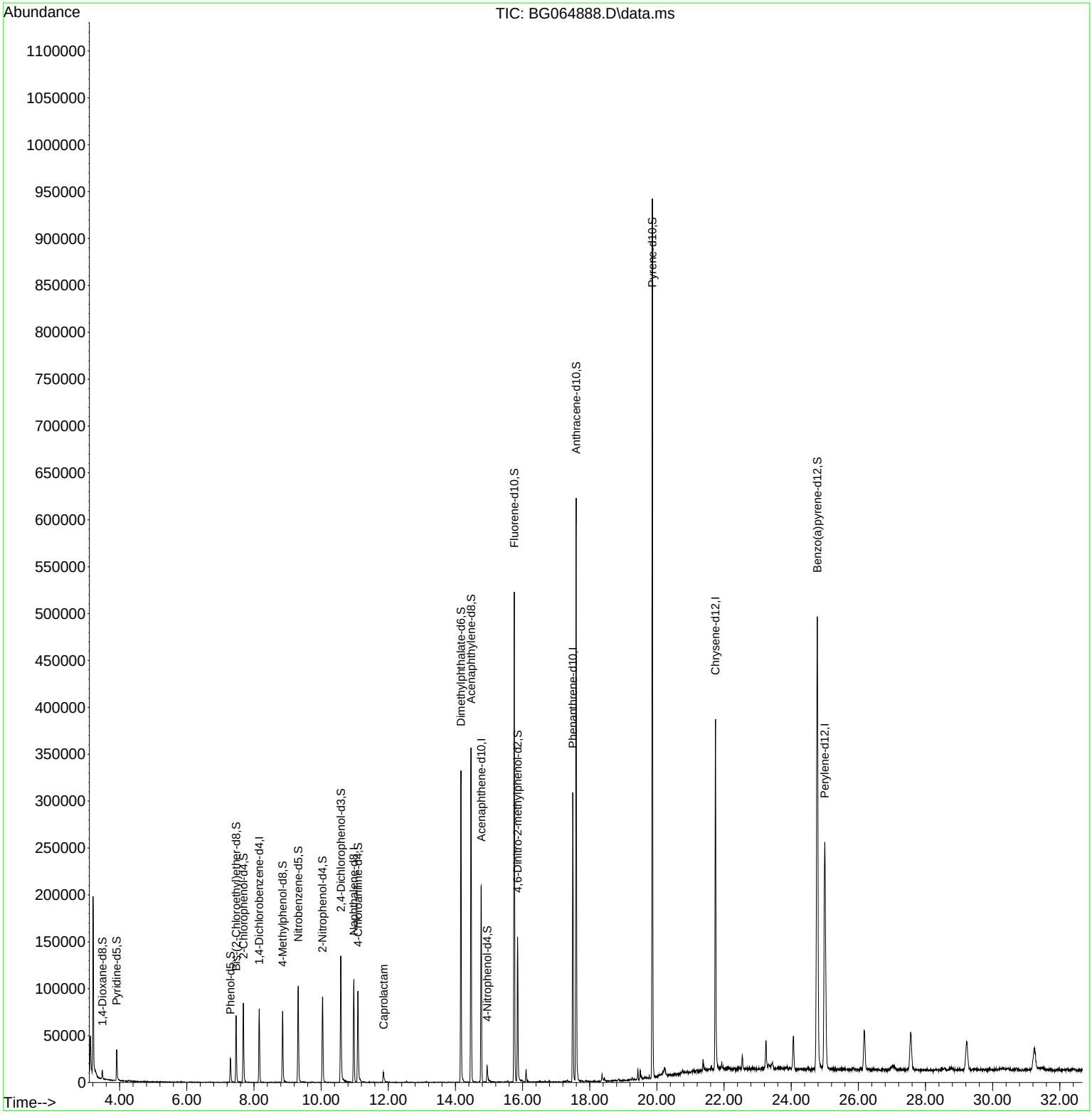
EPA-designated Registry Number.

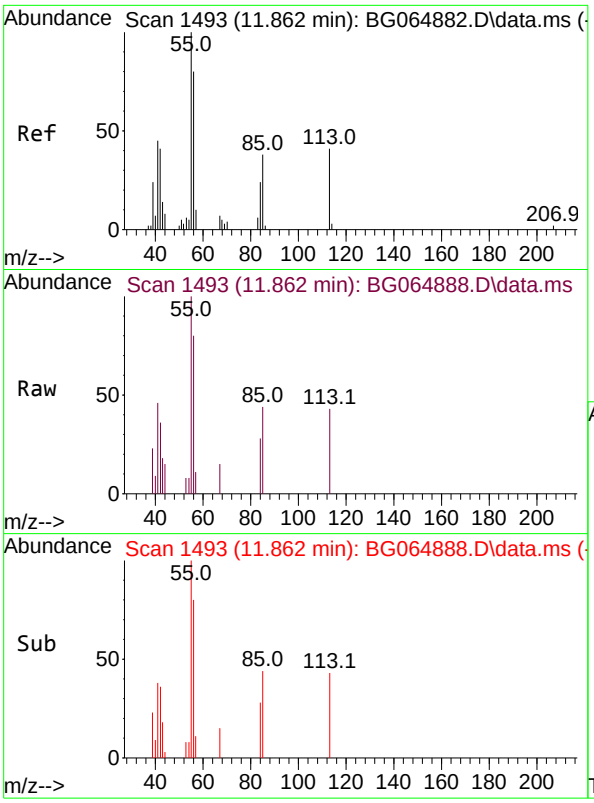
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Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 01 11:20:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-14

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

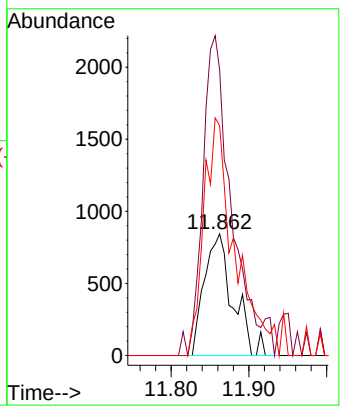




#34
Caprolactam
Concen: 3.759 ng/ul m
RT: 11.862 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BG064888.D
Acq: 26 Nov 2025 14:19

Tgt Ion:113 Resp: 2132

Ion	Ratio	Lower	Upper
113	100		
55	235.0	187.9	281.9
56	189.0	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
WS-14

Manual Integrations APPROVED
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Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WS-14

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:20:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	23964	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	94236	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	83492	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	212702	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	273759	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	303295	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	4605	7.617	ng/uL	0.00
4) Pyridine-d5	3.913	84	16307	9.789	ng/ul	0.00
7) Phenol-d5	7.297	99	14674	7.596	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	35548	28.772	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	41193	28.127	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	30649	18.408	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	25214	35.474	ng/ul	0.00
24) 2-Nitrophenol-d4	10.041	143	32354	38.324	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	59719	34.309	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	58425	26.260	ng/ul	0.00
46) Dimethylphthalate-d6	14.166	166	253710	38.631	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	259603	36.909	ng/ul	0.00
54) 4-Nitrophenol-d4	14.947	143	6963m	6.993	ng/ul	0.00
60) Fluorene-d10	15.752	176	228924	38.827	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	46067	33.828	ng/ul	0.00
73) Anthracene-d10	17.597	188	432555	40.246	ng/ul	0.00
81) Pyrene-d10	19.865	212	567745	40.375	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	635391	39.708	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.862	113	2132m	3.759	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-14

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064888.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	3	7	15	rVB	38499	68396	4.84%	0.611%
2	3.208	15	20	29	rBV	187653	264350	18.71%	2.363%
3	3.484	62	67	75	rVB2	9572	16055	1.14%	0.144%
4	3.913	135	140	151	rBV	32676	53569	3.79%	0.479%
5	4.277	197	202	205	rBV3	1206	1936	0.14%	0.017%
6	7.297	710	716	724	rBV2	25328	46522	3.29%	0.416%
7	7.468	738	745	754	rBV	71276	123223	8.72%	1.102%
8	7.685	776	782	792	rBV	84638	154448	10.93%	1.381%
9	8.155	856	862	871	rVB	78189	137157	9.71%	1.226%
10	8.854	974	981	989	rBV	76072	138127	9.78%	1.235%
11	9.318	1053	1060	1069	rBV	102827	196543	13.91%	1.757%
12	10.041	1176	1183	1194	rBV2	91458	175229	12.40%	1.567%
13	10.587	1269	1276	1287	rBV	134834	258949	18.33%	2.315%
14	10.975	1334	1342	1350	rBV	110091	199385	14.11%	1.782%
15	11.099	1356	1363	1374	rBV	96910	198302	14.04%	1.773%
16	11.857	1486	1492	1503	rBV3	10988	25905	1.83%	0.232%
17	12.550	1604	1610	1615	rBB	1368	2950	0.21%	0.026%
18	14.166	1876	1885	1894	rBV	332717	515302	36.47%	4.607%
19	14.465	1929	1936	1949	rBV	356893	576315	40.79%	5.152%
20	14.771	1980	1988	1998	rVB	209789	338942	23.99%	3.030%
21	14.941	2012	2017	2026	rBV3	18021	38320	2.71%	0.343%
22	15.552	2116	2121	2124	rBV3	1706	2665	0.19%	0.024%
23	15.752	2147	2155	2166	rBV	522922	812291	57.49%	7.262%
24	15.852	2166	2172	2184	rVV	153796	244572	17.31%	2.186%
25	15.987	2194	2195	2201	rVB2	1951	1954	0.14%	0.017%
26	16.105	2210	2215	2221	rBV3	13571	19603	1.39%	0.175%
27	16.669	2307	2311	2315	rBV2	1716	2172	0.15%	0.019%
28	17.297	2412	2418	2420	rBV2	1140	1995	0.14%	0.018%
29	17.333	2420	2424	2426	rVV3	1899	2484	0.18%	0.022%
30	17.497	2445	2452	2460	rBV2	308456	472997	33.48%	4.229%
31	17.597	2462	2469	2482	rVB	621109	993224	70.30%	8.879%
32	18.367	2596	2600	2608	rVV5	8177	16366	1.16%	0.146%
33	18.437	2610	2612	2617	rVV2	4409	6471	0.46%	0.058%
34	18.860	2680	2684	2688	rVB2	1922	3054	0.22%	0.027%
35	19.219	2741	2745	2749	rVV3	1958	3665	0.26%	0.033%
36	19.266	2750	2753	2759	rVV5	3007	5190	0.37%	0.046%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-14

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	19.436	2777	2782	2788	rVB3	11720	17415	1.23%	0.156%
38	19.506	2788	2794	2801	rBV2	10747	23610	1.67%	0.211%
39	19.636	2814	2816	2821	rVB3	2202	2303	0.16%	0.021%
40	19.771	2837	2839	2845	rVB6	3771	4835	0.34%	0.043%
41	19.865	2848	2855	2869	rVV	937820	1314468	93.03%	11.751%
42	20.018	2878	2881	2884	rBV4	1605	1933	0.14%	0.017%
43	20.053	2884	2887	2889	rBV4	2468	3357	0.24%	0.030%
44	20.129	2898	2900	2903	rBV4	1899	2424	0.17%	0.022%
45	20.347	2934	2937	2939	rBV4	2399	2296	0.16%	0.021%
46	20.382	2939	2943	2945	rVV5	2075	2690	0.19%	0.024%
47	20.452	2953	2955	2958	rVV4	1543	2028	0.14%	0.018%
48	20.476	2958	2959	2963	rVV4	1996	2209	0.16%	0.020%
49	20.623	2983	2984	2987	rVB3	2094	2008	0.14%	0.018%
50	20.711	2997	2999	3001	rBV3	2532	2711	0.19%	0.024%
51	20.764	3006	3008	3012	rVB4	3002	2800	0.20%	0.025%
52	21.081	3059	3062	3063	rBV2	3009	3044	0.22%	0.027%
53	21.122	3068	3069	3071	rBV2	2675	2083	0.15%	0.019%
54	21.187	3076	3080	3084	rBV5	3516	7009	0.50%	0.063%
55	21.375	3108	3112	3119	rBV8	12623	23262	1.65%	0.208%
56	21.622	3151	3154	3159	rVB4	5642	9472	0.67%	0.085%
57	21.745	3168	3175	3191	rBV	373349	661152	46.79%	5.911%
58	21.933	3205	3207	3210	rVB4	6411	4880	0.35%	0.044%
59	22.056	3226	3228	3230	rBV3	3567	2371	0.17%	0.021%
60	22.086	3230	3233	3236	rVV5	3675	4943	0.35%	0.044%
61	22.344	3275	3277	3279	rBV2	3262	2526	0.18%	0.023%
62	22.444	3292	3294	3295	rBV2	4190	2264	0.16%	0.020%
63	22.544	3307	3311	3318	rBV4	14683	26415	1.87%	0.236%
64	22.826	3358	3359	3362	rBV3	2808	2354	0.17%	0.021%
65	23.184	3418	3420	3421	rBV2	3238	2832	0.20%	0.025%
66	23.249	3424	3431	3438	rVV3	30157	66086	4.68%	0.591%
67	23.325	3442	3444	3450	rVV7	3705	7674	0.54%	0.069%
68	23.819	3524	3528	3531	rBV5	2975	4211	0.30%	0.038%
69	24.066	3564	3570	3580	rVB3	36616	88928	6.29%	0.795%
70	24.154	3582	3585	3586	rBV3	3292	3174	0.22%	0.028%
71	24.418	3628	3630	3631	rBV2	2443	2068	0.15%	0.018%
72	24.536	3648	3650	3655	rVB5	2718	3065	0.22%	0.027%
73	24.606	3659	3662	3663	rBV3	3085	2950	0.21%	0.026%
74	24.777	3679	3691	3707	rBV	484227	1412910	100.00%	12.631%
75	24.935	3716	3718	3719	rBV2	2607	2327	0.16%	0.021%
76	25.000	3719	3729	3744	rVB	241203	810264	57.35%	7.244%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-14

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	25.247	3769	3771	3776	rVB5	3372	3597	0.25%	0.032%
78	25.341	3785	3787	3791	rVB5	2113	2242	0.16%	0.020%
79	25.517	3815	3817	3819	rBV3	3378	2684	0.19%	0.024%
80	25.940	3888	3889	3890	rBV	2972	1935	0.14%	0.017%
81	26.175	3919	3929	3943	rBV4	42751	137837	9.76%	1.232%
82	26.375	3961	3963	3964	rVB	3339	1824	0.13%	0.016%
83	26.839	4040	4042	4044	rBV3	2774	3024	0.21%	0.027%
84	26.951	4059	4061	4063	rBV3	3174	3306	0.23%	0.030%
85	27.239	4108	4110	4115	rBV6	2944	4511	0.32%	0.040%
86	27.397	4135	4137	4139	rVB3	2664	1844	0.13%	0.016%
87	27.562	4156	4165	4179	rVB4	39894	147358	10.43%	1.317%
88	28.243	4279	4281	4282	rBV2	2826	2307	0.16%	0.021%
89	28.396	4306	4307	4310	rBV3	2660	3156	0.22%	0.028%
90	28.508	4324	4326	4329	rBV4	2729	2720	0.19%	0.024%
91	28.713	4359	4361	4362	rVB2	3607	2254	0.16%	0.020%
92	28.878	4387	4389	4391	rBV3	3668	3682	0.26%	0.033%
93	29.230	4436	4449	4460	rVV4	30231	128838	9.12%	1.152%
94	29.530	4498	4500	4503	rVB3	2869	2376	0.17%	0.021%
95	29.841	4551	4553	4556	rVB4	2598	2717	0.19%	0.024%
96	30.605	4681	4683	4686	rBV3	2337	2112	0.15%	0.019%
97	30.875	4727	4729	4731	rBV3	3120	2440	0.17%	0.022%
98	31.246	4782	4792	4796	rBV8	17641	55088	3.90%	0.492%
99	31.851	4893	4895	4896	rVB3	2732	1837	0.13%	0.016%
100	32.186	4951	4952	4954	rBV2	2750	2251	0.16%	0.020%

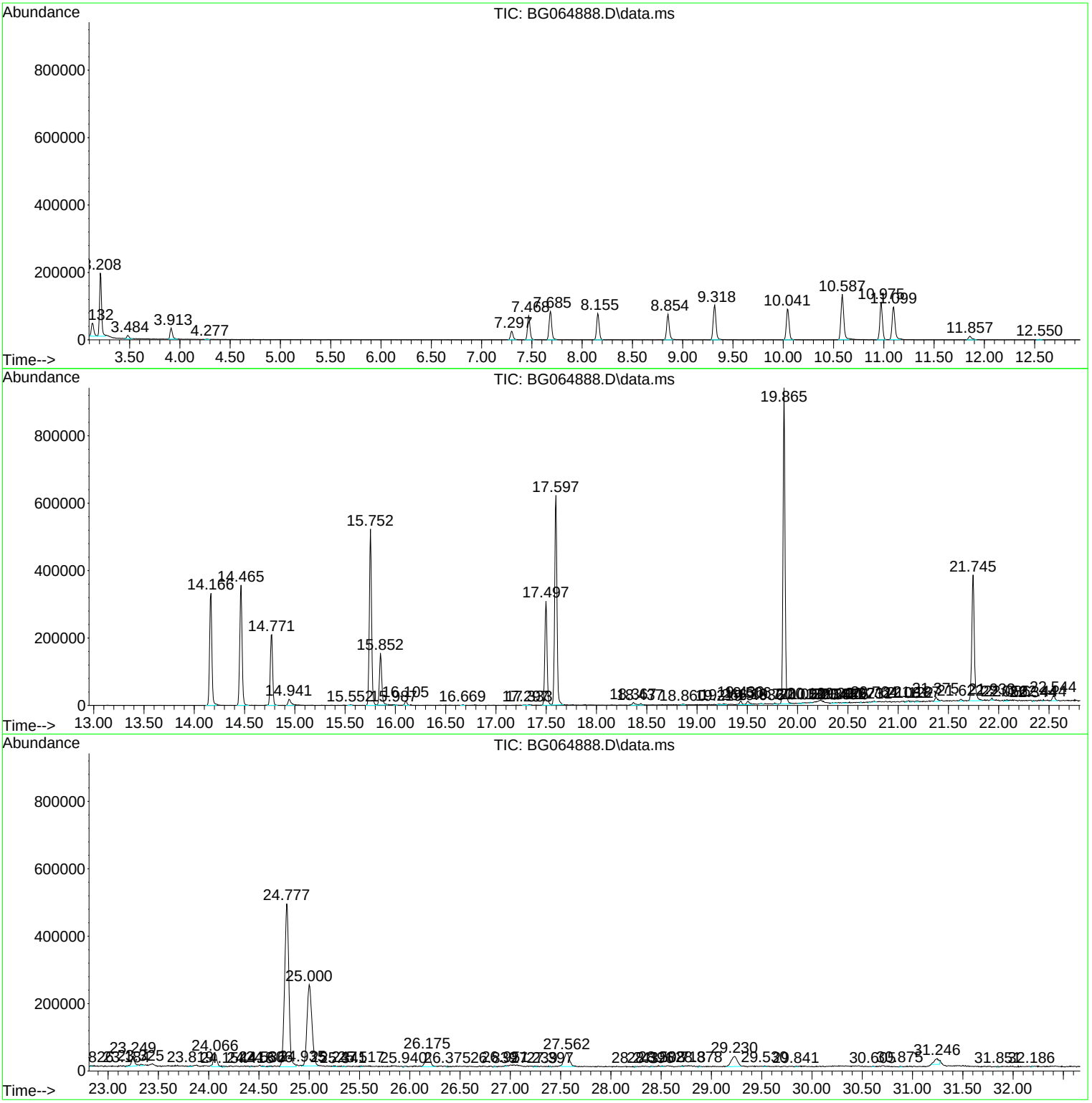
Sum of corrected areas: 11185919

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WS-14

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-14

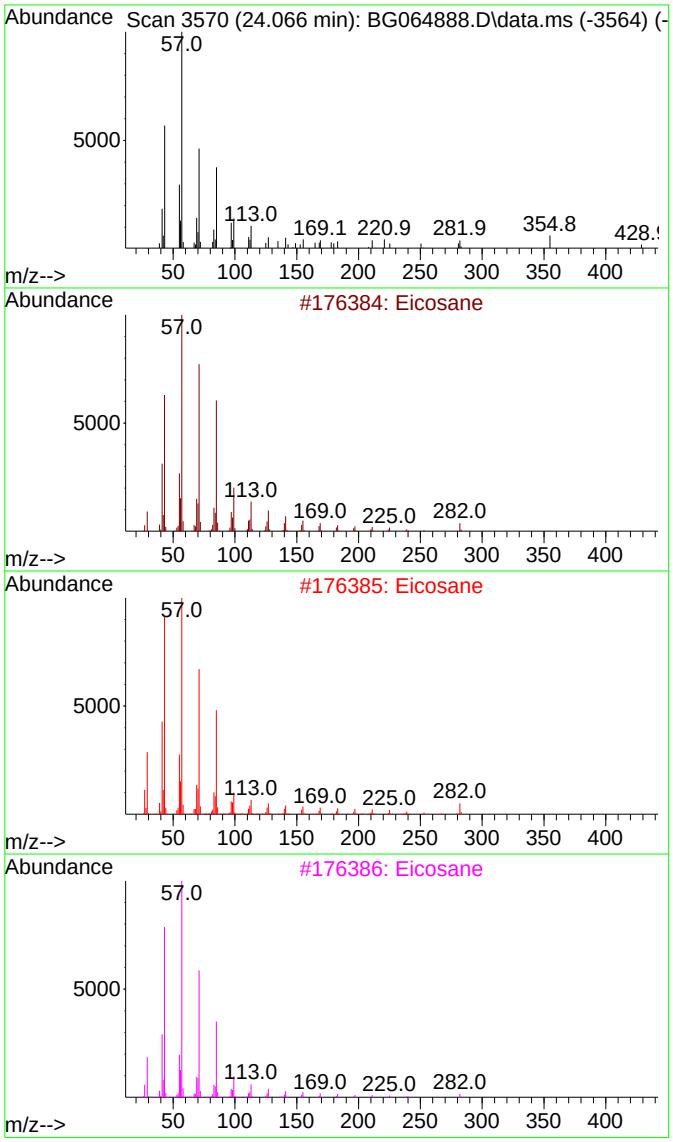
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

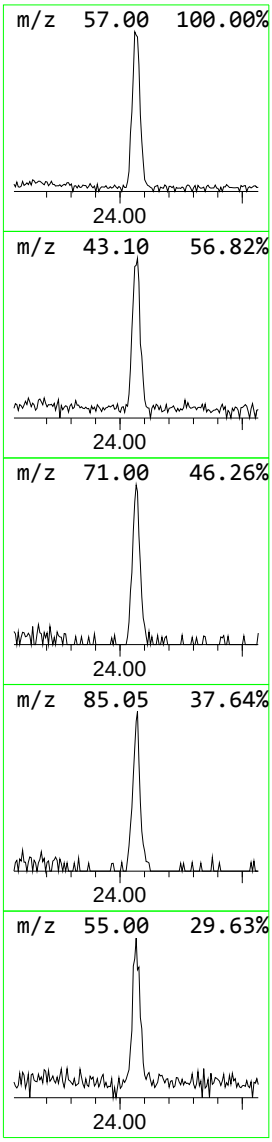
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.066	2.20 ng/ul	88928	Perylene-d12	25.000

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Eicosane	282	C20H42	000112-95-8	95
3	Eicosane	282	C20H42	000112-95-8	91
4	Hexacosane	366	C26H54	000630-01-3	87
5	Heptacosane	380	C27H56	000593-49-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-14

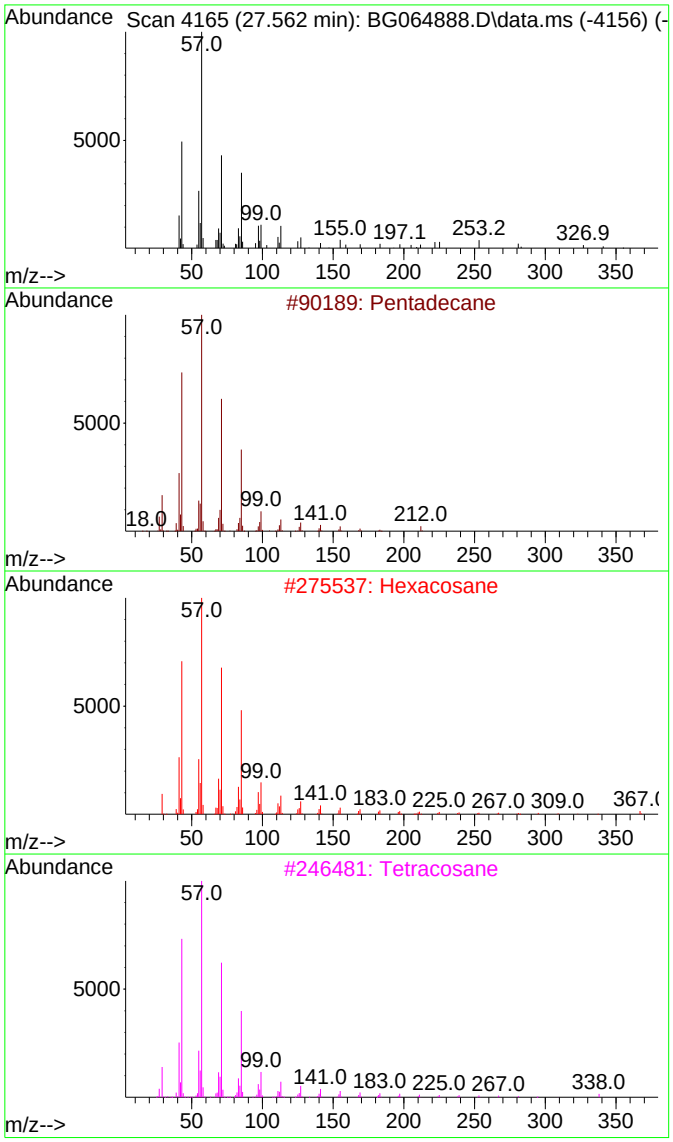
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

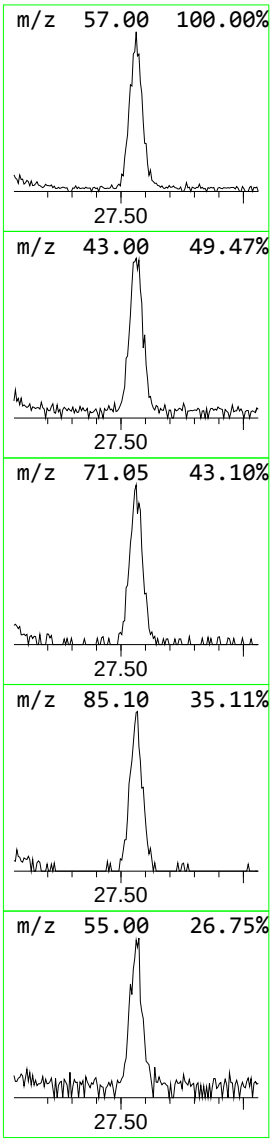
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.562	3.64 ng/ul	147358	Perylene-d12	25.000

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Hexacosane	366	C26H54	000630-01-3	74
3	Tetracosane	338	C24H50	000646-31-1	74
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	74
5	Hexacosane	366	C26H54	000630-01-3	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WS-14

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	24.066	2.2	ng/ul	88928	6	25.000	810264	20.0
(DEL) Alkane: S...	27.562	3.6	ng/ul	147358	6	25.000	810264	20.0

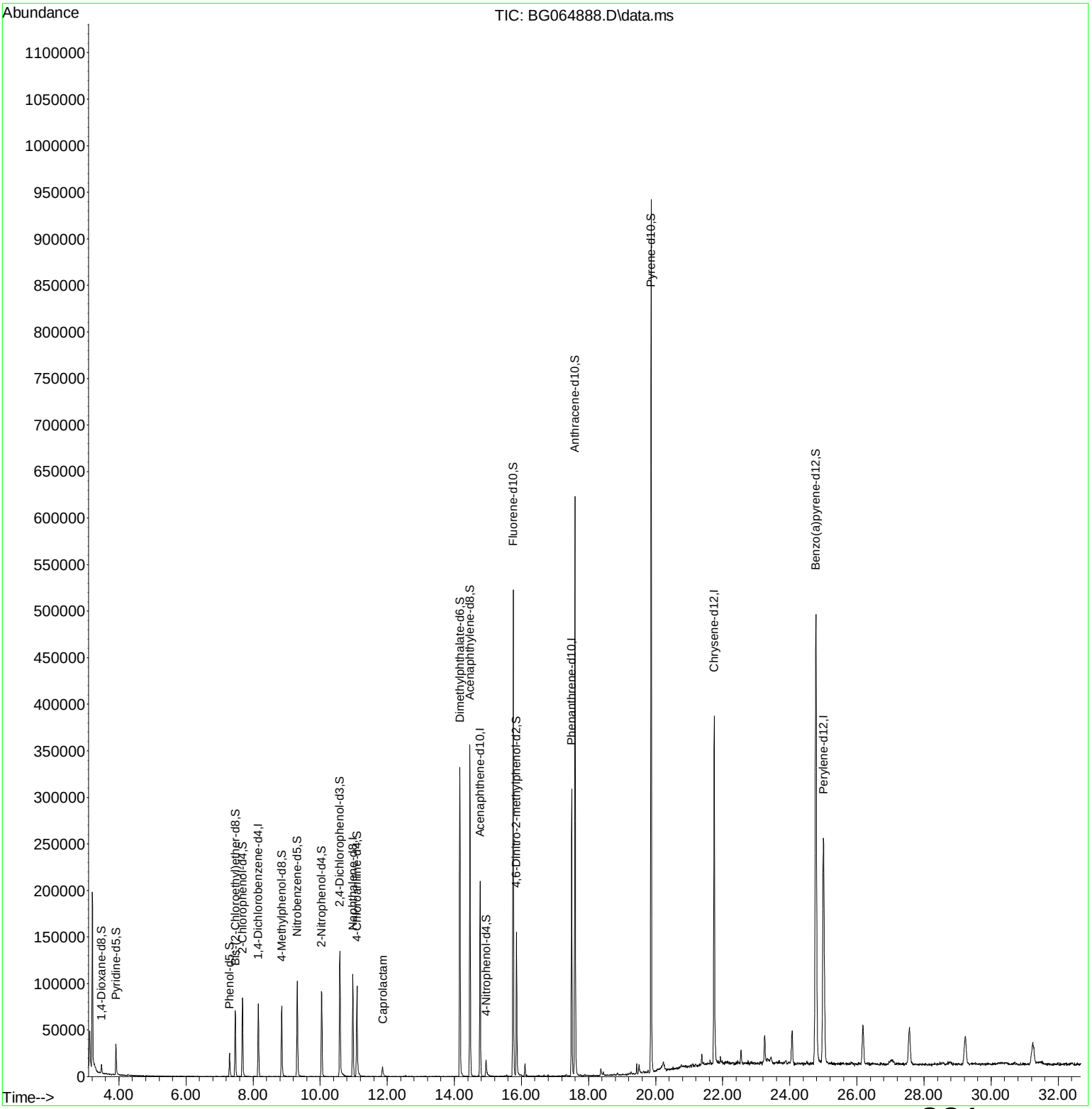
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 01 11:20:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-14

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



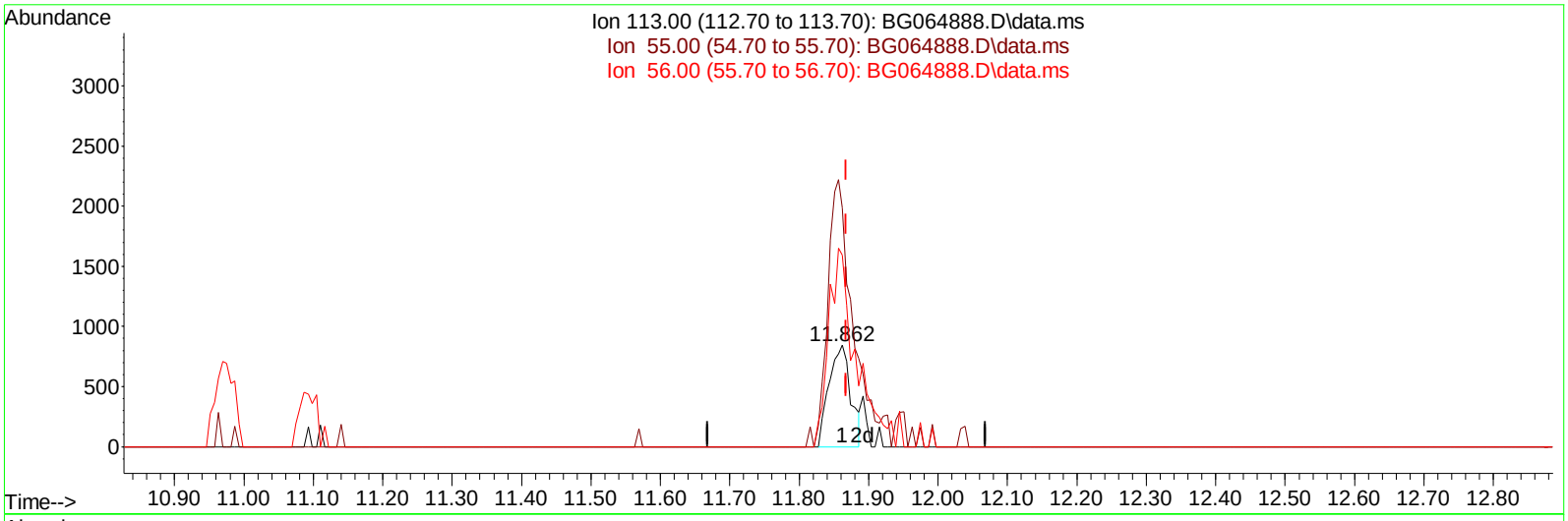
Quantitation Report (Qedit)

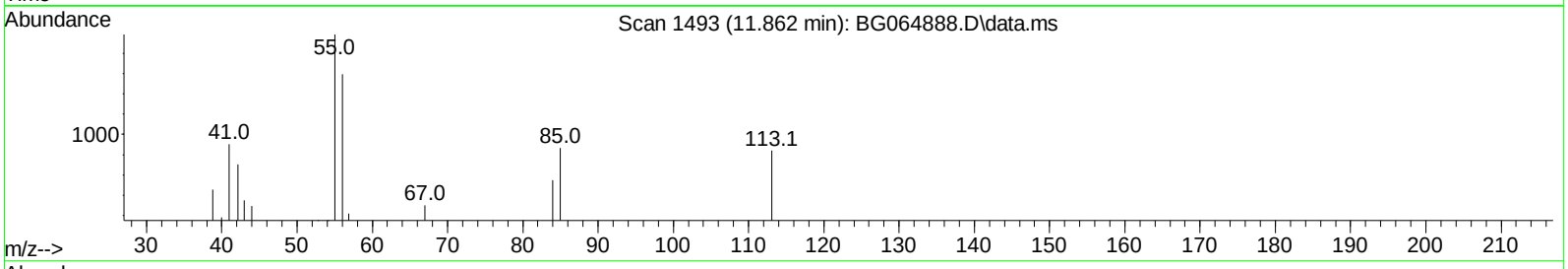
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

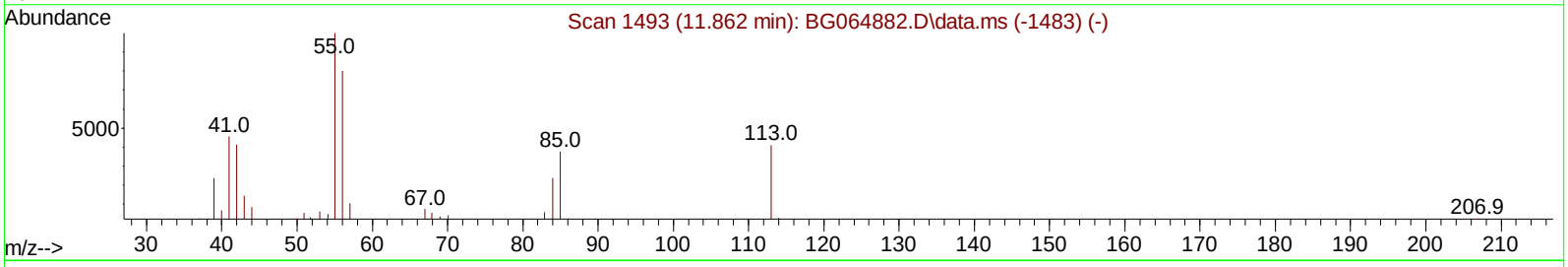
Quant Time: Dec 01 07:51:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-14

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064888.D\data.ms

(34) Caprolactam

11.862min (-0.006) 3.27 ng/ul

response 1854

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	234.95
56.00	159.40	188.98
0.00	0.00	0.00

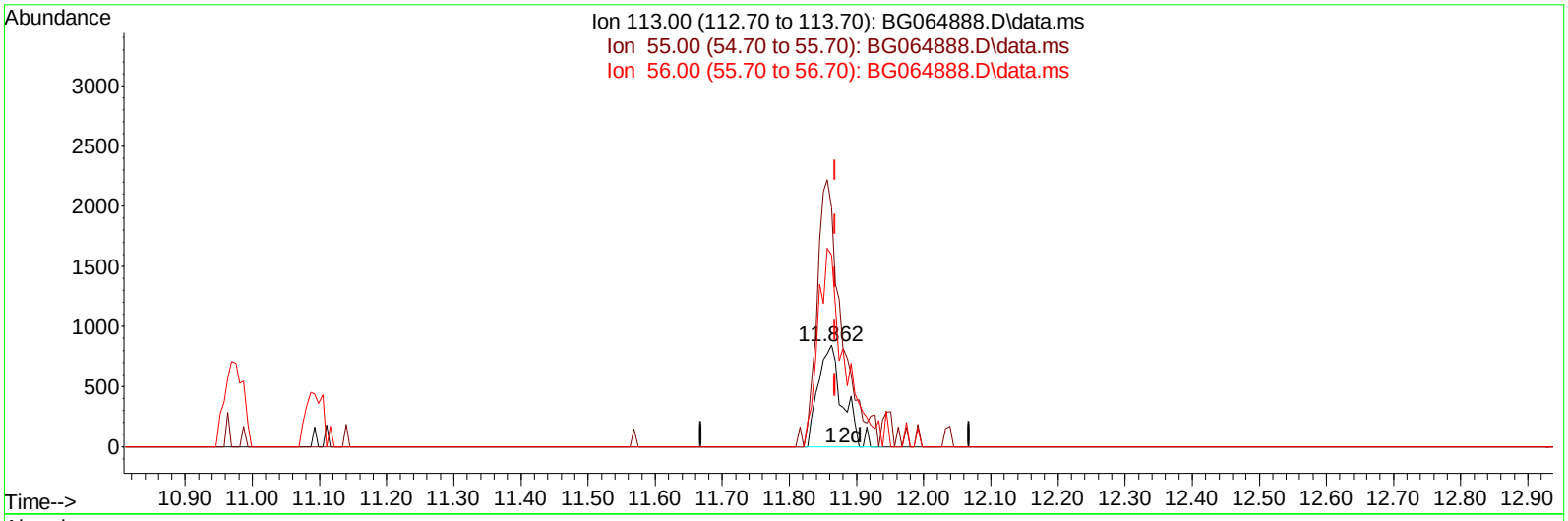
Quantitation Report (Qedit)

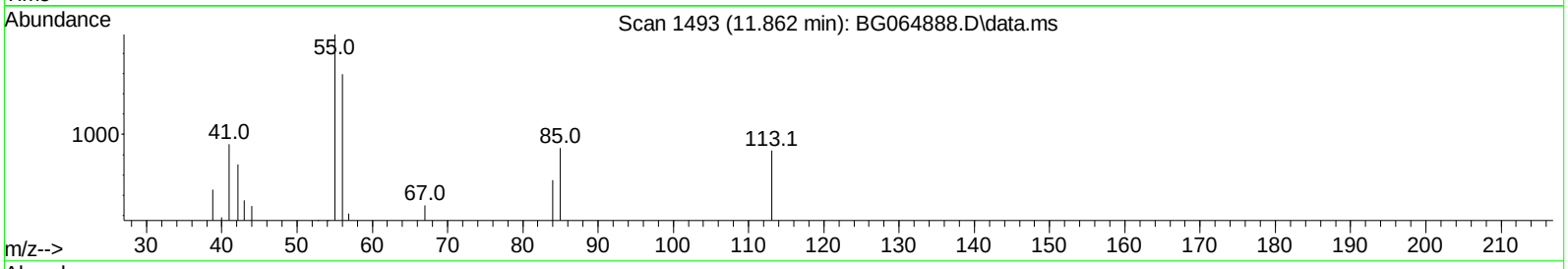
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

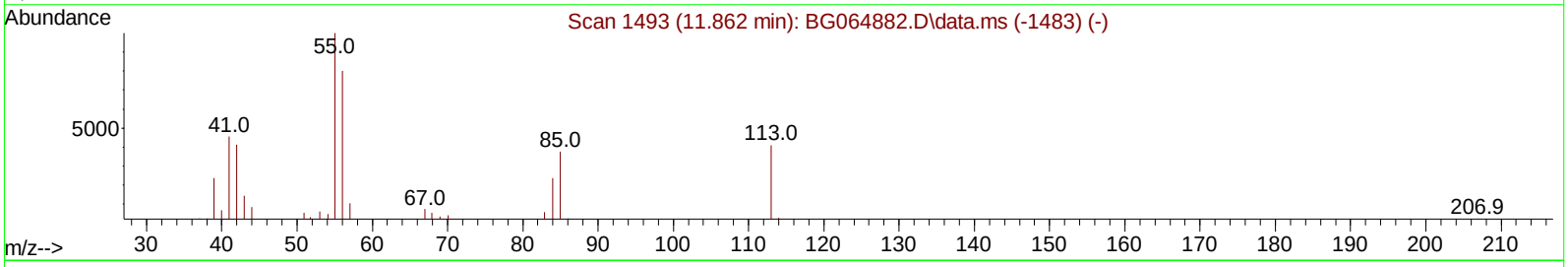
Quant Time: Dec 01 07:51:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-14

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064888.D\data.ms

(34) Caprolactam

11.862min (-0.006) 3.76 ng/ul m

response 2132

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	234.95
56.00	159.40	188.98
0.00	0.00	0.00

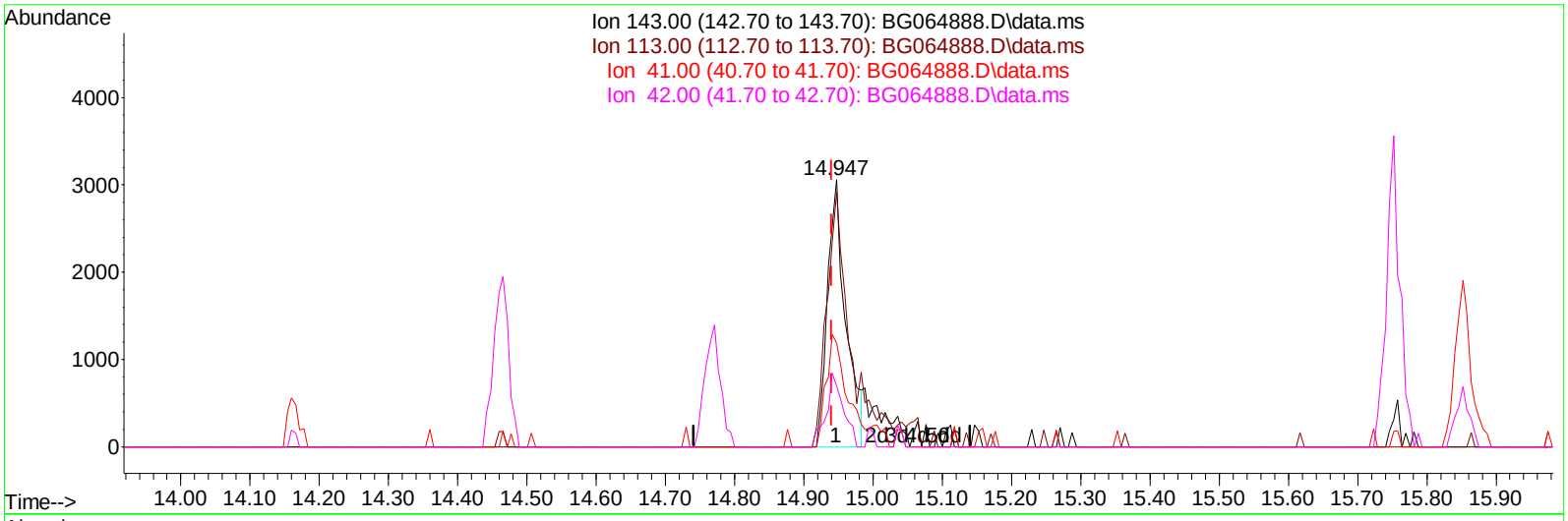
Quantitation Report (Qedit)

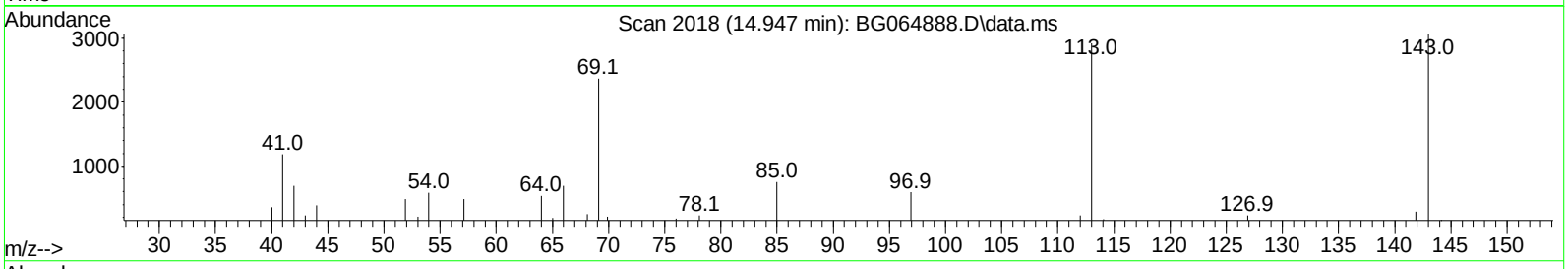
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Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

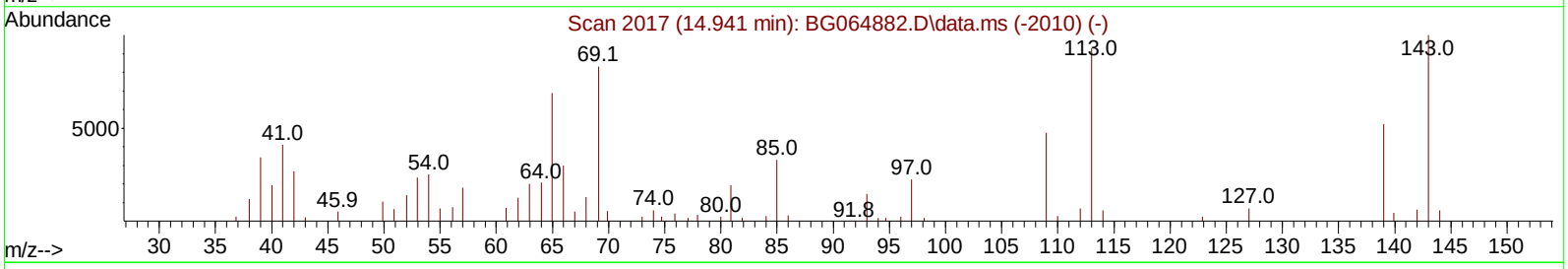
Quant Time: Dec 01 07:51:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-14

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064888.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.947min (+ 0.006) 5.62 ng/ul

response 5593

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	95.45
41.00	40.40	38.75
42.00	23.60	22.79

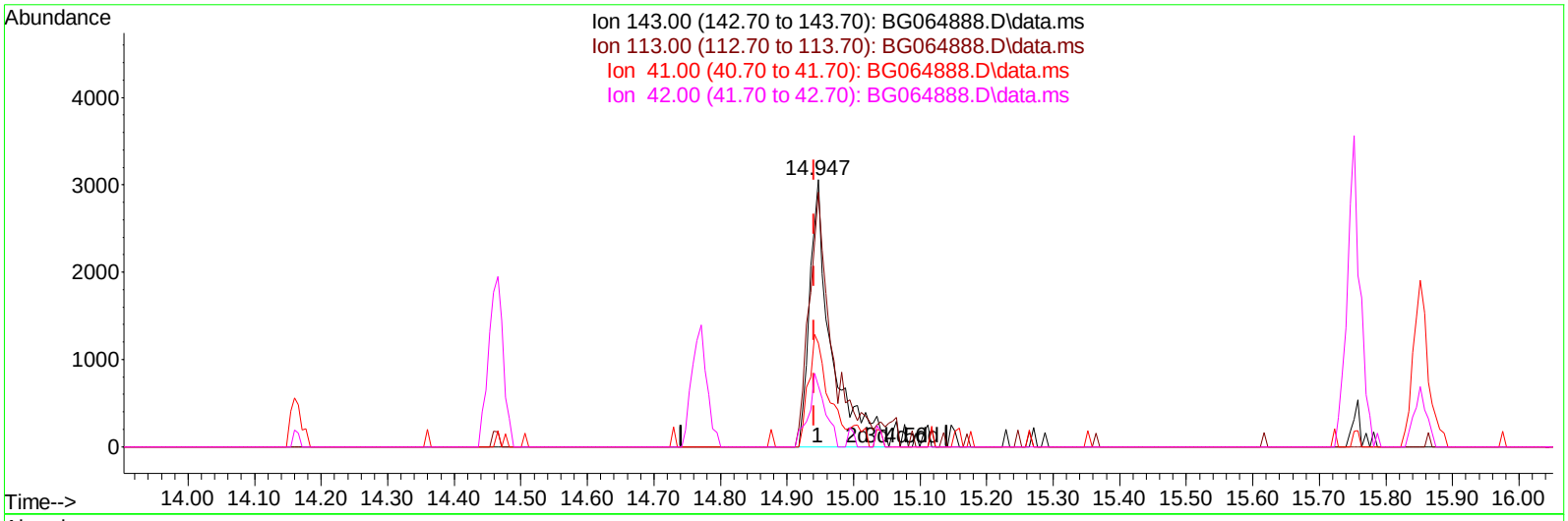
Quantitation Report (Qedit)

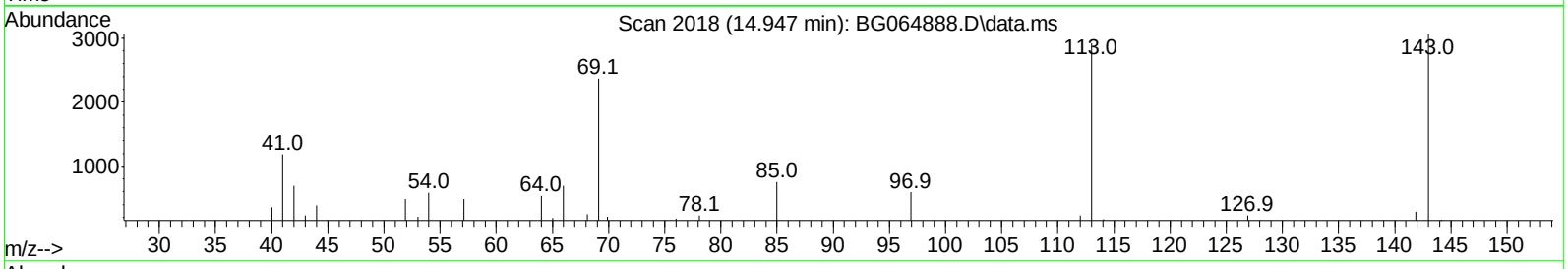
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Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

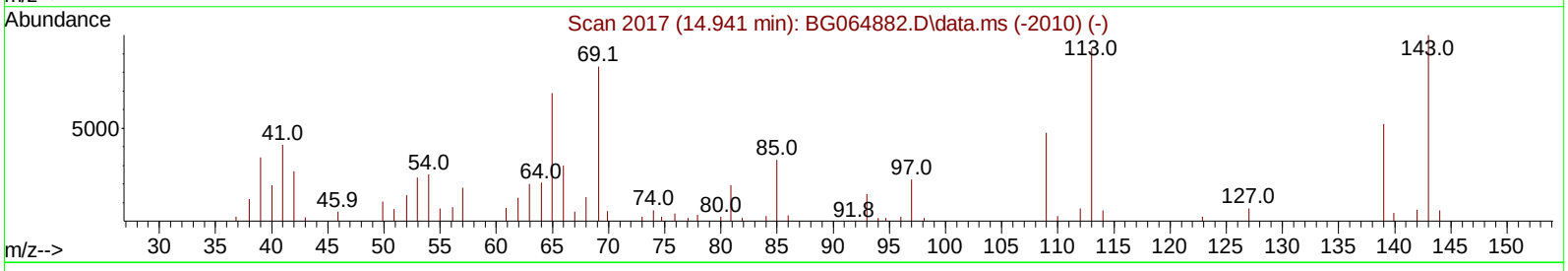
Quant Time: Dec 01 07:51:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WS-14

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064888.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.947min (+ 0.006) 6.99 ng/ul m

response 6963

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	95.45
41.00	40.40	38.75
42.00	23.60	22.79

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064888.D
Acq On : 26 Nov 2025 14:19
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 01 11:20:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : WS-14

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	23964	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	94236	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	83492	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	212702	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	273759	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	303295	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	4605	7.617	ng/uL	0.00
4) Pyridine-d5	3.913	84	16307	9.789	ng/ul	0.00
7) Phenol-d5	7.297	99	14674	7.596	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	35548	28.772	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	41193	28.127	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	30649	18.408	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	25214	35.474	ng/ul	0.00
24) 2-Nitrophenol-d4	10.041	143	32354	38.324	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	59719	34.309	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	58425	26.260	ng/ul	0.00
46) Dimethylphthalate-d6	14.166	166	253710	38.631	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	259603	36.909	ng/ul	0.00
54) 4-Nitrophenol-d4	14.947	143	6963m	6.993	ng/ul	0.00
60) Fluorene-d10	15.752	176	228924	38.827	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	46067	33.828	ng/ul	0.00
73) Anthracene-d10	17.597	188	432555	40.246	ng/ul	0.00
81) Pyrene-d10	19.865	212	567745	40.375	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	635391	39.708	ng/ul	0.00
Target Compounds						Qvalue
34) Caprolactam	11.862	113	2132m	3.759	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 6A-OR
GC/MS INITIAL CALIBRATION DATA

Lab Name: Alliance Technical Group, LLC
Contract: 68HERH20D0011
Lab Code: ACE
Case No.: Sharkey Lan
MA No.:
SDG No.: Q3688
Analytical Method : SVOA
Level : LOW
Instrument ID: BNA_G
Calibration Date(s): 11/24/2025 11/24/2025
GC Column: ZB-GR
ID: 0.25 (mm)
Calibration Time(s): 14:04 17:27
Length : 30 (m)
Heated Purge: (Y/N)
Purge Volume : (mL)

LAB FILE ID:	RRF005 =BG064848.D RRF040 =BG064851.D			RRF010= BG064849.D RRF080= BG064852.D			RRF020 =BG064850.D RRF160 =BG064853.D	
ANALYTE	RRF005	RRF010	RRF020	RRF040	RRF080	RRF160	$\overline{RRF}$	% RSD
N-Nitrosodiphenylamine	0.508	0.533	0.552	0.558	0.537		0.537	3.6
Bis(2-ethylhexyl)phthalate	0.578	0.573	0.603	0.605	0.574		0.587	2.7
1,4-Dioxane-d8	0.472	0.526	0.499	0.498	0.527		0.505	4.5
Pyridine-d5		1.254	1.442	1.445	1.540	1.271	1.390	8.9
Phenol-d5		1.419	1.610	1.652	1.720	1.660	1.612	7.1
Bis-(2-Chloroethyl)ether-d8		0.970	1.035	1.046	1.080	1.024	1.031	3.9
2-Chlorophenol-d4	0.977	1.206	1.280	1.303	1.346		1.222	11.9
4-Methylphenol-d8		1.234	1.341	1.475	1.459	1.439	1.390	7.3
Nitrobenzene-d5	0.131	0.141	0.157	0.161	0.165		0.151	9.6
2-Nitrophenol-d4	0.155	0.153	0.189	0.199	0.201		0.179	13.2
2,4-Dichlorophenol-d3	0.330	0.330	0.382	0.406	0.399		0.369	10.1
4-Chloroaniline-d4		0.433	0.467	0.486	0.486	0.489	0.472	5.0
Dimethylphthalate-d6	1.546	1.541	1.615	1.630	1.534		1.573	2.9
Acenaphthylene-d8	1.594	1.642	1.735	1.766	1.687		1.685	4.1
4-Nitrophenol-d4		0.186	0.235	0.265	0.253	0.254	0.239	13.2
Fluorene-d10	1.432	1.380	1.446	1.435	1.369		1.412	2.5
4,6-Dinitro-2-methylphenol-d2		0.092	0.117	0.136	0.145	0.150	0.128	18.6
Anthracene-d10	0.970	1.029	1.028	1.041	0.984		1.011	3.1
Pyrene-d10	0.992	1.019	1.063	1.064	0.998		1.027	3.3
Benzo(a)pyrene-d12	0.983	1.031	1.076	1.116	1.070		1.055	4.8

Quantitation Report (QT Reviewed)

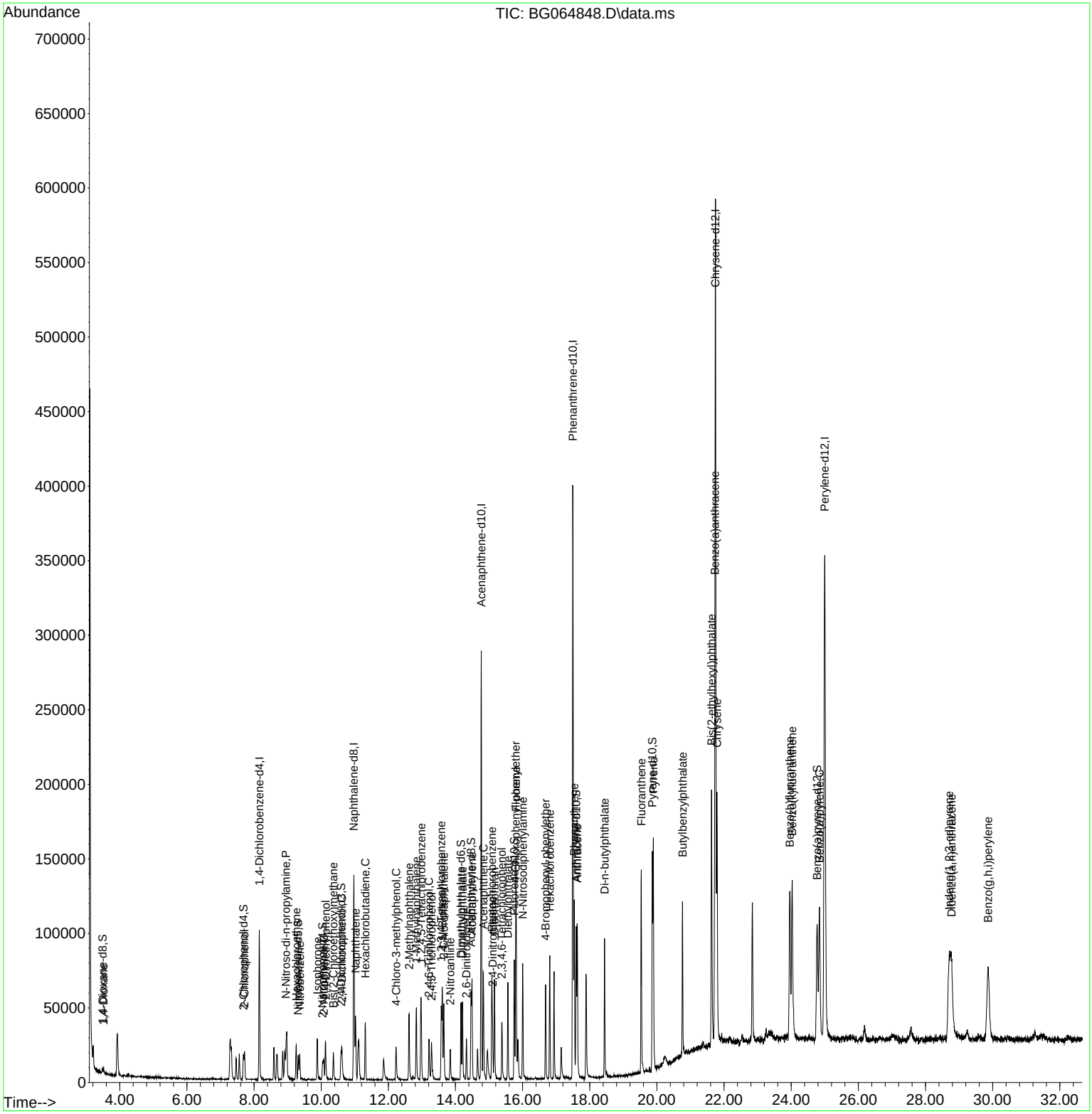
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 10:05:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 10:05:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	30565	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	122671	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	107614	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	282158	20.000	ng/ul	0.00
79) Chrysene-d12	21.743	240	371163	20.000	ng/ul	0.00
88) Perylene-d12	24.998	264	409810	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.488	96	1444	2.321	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	0.000	99	0d	0.000	ng/ul	
9) Bis-(2-Chloroethyl)eth...	0.000	67	0d	0.000	ng/ul	
11) 2-Chlorophenol-d4	7.683	132	7468	3.785	ng/ul	0.00
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/ul	
21) Nitrobenzene-d5	9.310	128	4012	4.153	ng/ul	0.00
24) 2-Nitrophenol-d4	10.039	143	4739m	4.038	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.591	165	10111m	4.573	ng/ul	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/ul	
46) Dimethylphthalate-d6	14.163	166	41604	4.417	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	42892	4.630	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.750	176	38519	4.959	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.595	188	68443	4.857	ng/ul	0.00
81) Pyrene-d10	19.863	212	92056	4.462	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.769	264	100754	4.744	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	1908	2.703	ng/uL#	72
12) 2-Chlorophenol	7.712	128	8679	4.226	ng/ul	90
17) N-Nitroso-di-n-propyla...	8.952	70	7505	4.392	ng/ul	94
19) Hexachloroethane	9.257	117	4492	4.932	ng/ul#	83
22) Nitrobenzene	9.363	77	9888	4.120	ng/ul	92
23) Isophorone	9.886	82	20913	4.518	ng/ul	97
25) 2-Nitrophenol	10.080	139	5041	4.505	ng/ul#	85
26) 2,4-Dimethylphenol	10.133	107	11443	4.509	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.362	93	12157	5.062	ng/ul#	98
29) 2,4-Dichlorophenol	10.615	162	8742	4.294	ng/ul#	81
30) Naphthalene	11.026	128	35186	5.153	ng/ul	98
33) Hexachlorobutadiene	11.314	225	10441	5.532	ng/ul	92
35) 4-Chloro-3-methylphenol	12.236	107	9837	4.018	ng/ul	94
36) 2-Methylnaphthalene	12.618	142	25123	4.868	ng/ul	98
37) 1-Methylnaphthalene	12.835	142	25096	4.902	ng/ul#	92
39) 1,2,4,5-Tetrachloroben...	12.982	216	19270	5.415	ng/ul#	98
41) 2,4,6-Trichlorophenol	13.206	196	9848	4.427	ng/ul#	84
42) 2,4,5-Trichlorophenol	13.282	196	9430	3.985	ng/ul	90
43) 1,1'-Biphenyl	13.611	154	36781	4.635	ng/ul	95
44) 2-Chloronaphthalene	13.652	162	28683	4.903	ng/ul	96
45) 2-Nitroaniline	13.846	65	6931	3.406	ng/ul	94
47) Dimethylphthalate	14.210	163	42732	4.788	ng/ul	97
48) 2,6-Dinitrotoluene	14.322	165	6917	4.111	ng/ul	92
50) Acenaphthylene	14.492	152	49835	4.936	ng/ul	95

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 10:05:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.833	153	33149	4.878	ng/ul	96
56) Dibenzofuran	15.162	168	50733	4.995	ng/ul	94
57) 2,4-Dinitrotoluene	15.109	165	10215	3.791	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.380	232	12121	4.766	ng/ul#	88
59) Diethylphthalate	15.562	149	41334	4.336	ng/ul	99
61) Fluorene	15.803	166	41933	4.967	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.791	204	24821	5.406	ng/ul	99
67) N-Nitrosodiphenylamine	16.002	169	35821	4.648	ng/ul	99
68) 4-Bromophenyl-phenylether	16.684	248	17423	5.144	ng/ul	89
69) Hexachlorobenzene	16.807	284	21760	5.606	ng/ul	95
72) Phenanthrene	17.536	178	77956	5.031	ng/ul	97
74) Anthracene	17.630	178	75087	4.768	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.576	216	20093	5.159	ng/ul	97
76) Pentachlorobenzene	15.086	250	22591	5.230	ng/ul	99
78) Di-n-butylphthalate	18.441	149	69314	4.192	ng/ul#	96
80) Fluoranthene	19.533	202	99317	4.249	ng/ul	98
82) Pyrene	19.892	202	106993	4.432	ng/ul	98
83) Butylbenzylphthalate	20.761	149	34606	3.790	ng/ul	94
85) Benzo(a)anthracene	21.725	228	118516	4.749	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.625	149	53638	4.065	ng/ul	100
87) Chrysene	21.790	228	120644	5.084	ng/ul	98
90) Benzo(b)fluoranthene	23.958	252	118531	4.760	ng/ul	99
91) Benzo(k)fluoranthene	24.028	252	126370m	5.085	ng/ul	
93) Benzo(a)pyrene	24.839	252	113032	4.886	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.705	276	143078m	4.790	ng/ul	
95) Dibenzo(a,h)anthracene	28.776	278	111715m	4.668	ng/ul	
96) Benzo(g,h,i)perylene	29.863	276	112622	4.654	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

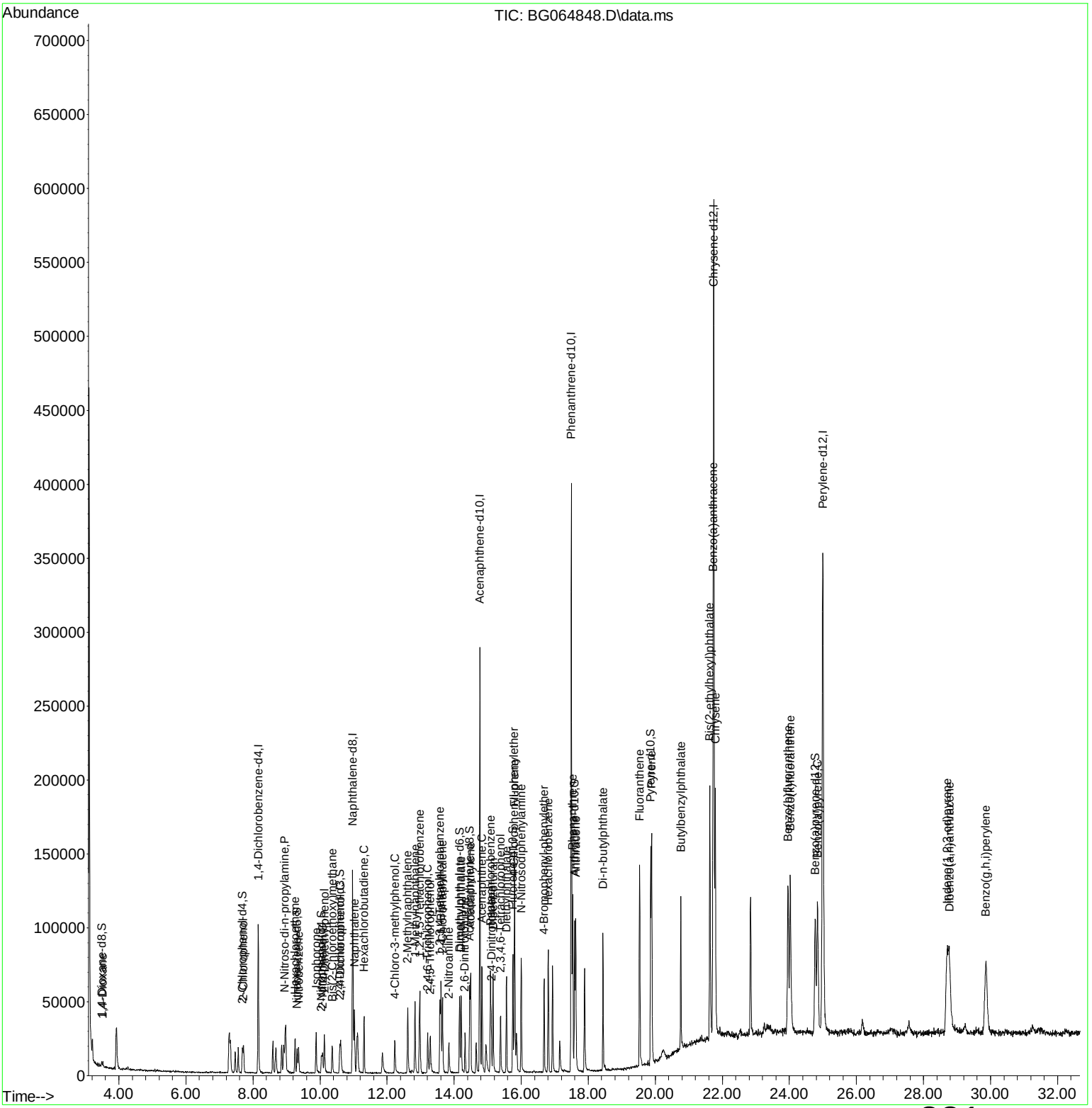
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Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 10:05:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (Qedit)

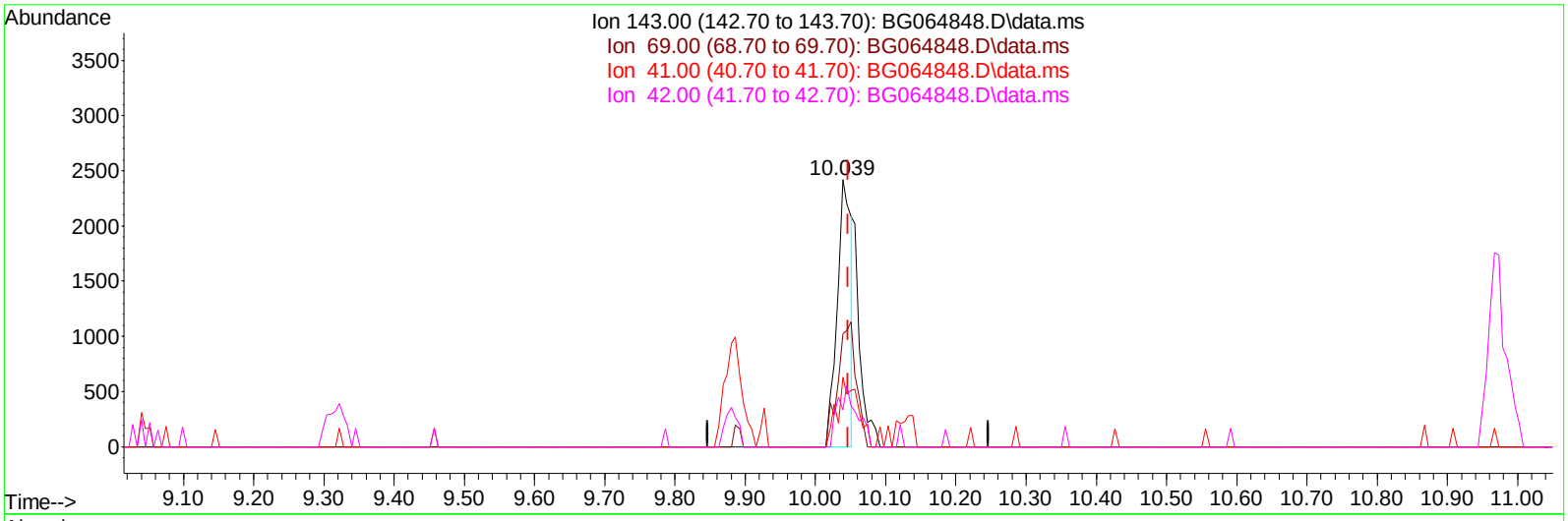
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Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

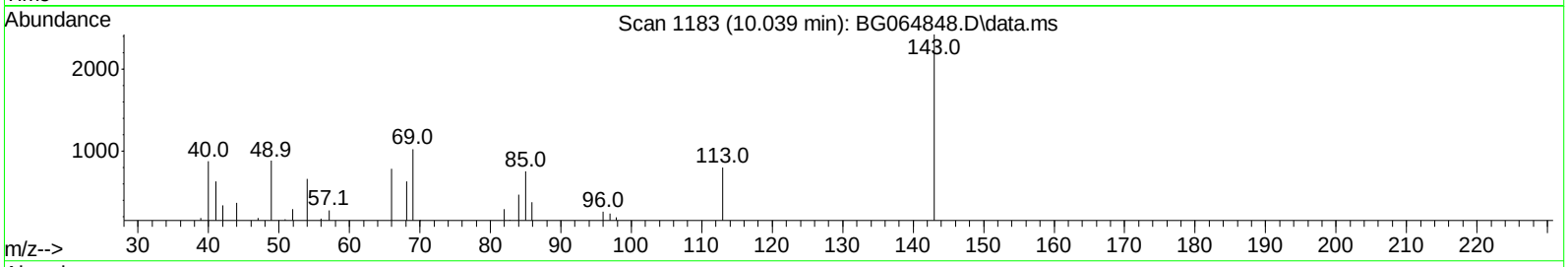
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

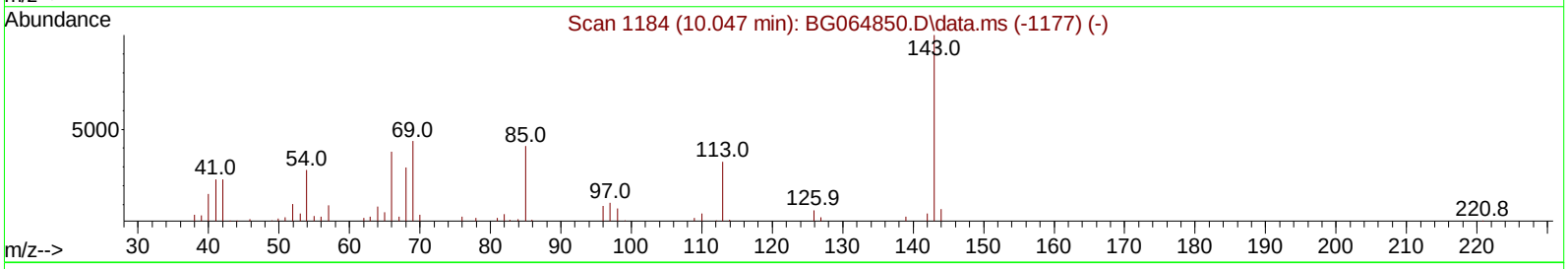
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(24) 2-Nitrophenol-d4 (S)

10.039min (-0.008) 2.82 ng/ul

response 3313

Ion	Exp%	Act%
143.00	100.00	100.00
69.00	43.70	42.29
41.00	23.60	25.96
42.00	23.60	13.89#

Quantitation Report (Qedit)

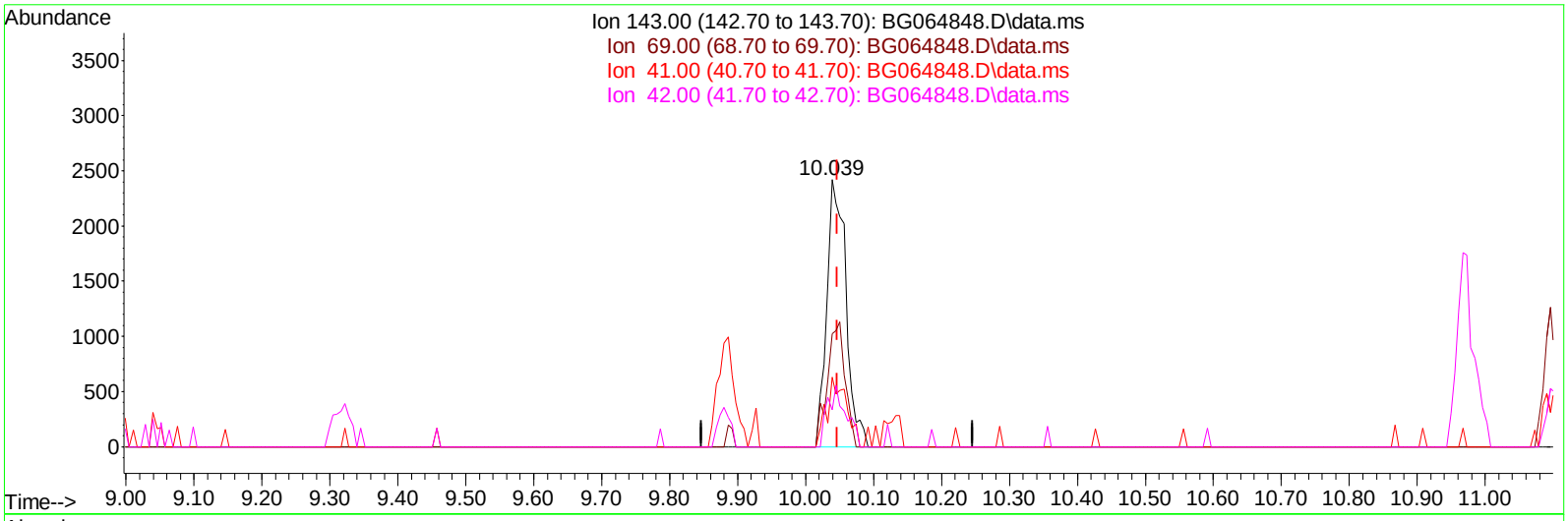
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

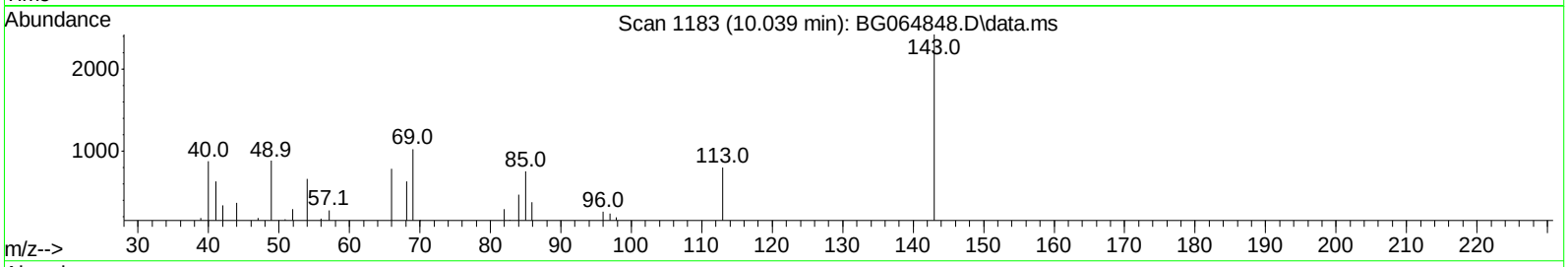
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

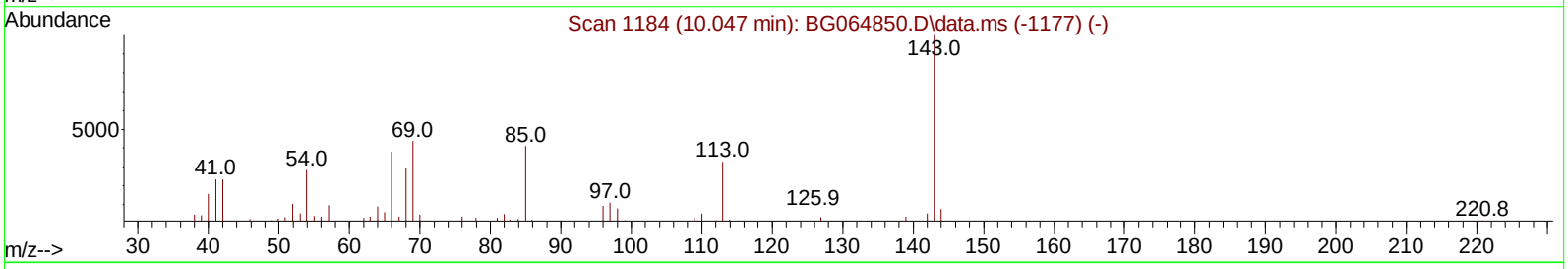
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(24) 2-Nitrophenol-d4 (S)

10.039min (-0.008) 4.04 ng/ul m

response 4739

Ion	Exp%	Act%
143.00	100.00	100.00
69.00	43.70	42.29
41.00	23.60	25.96
42.00	23.60	13.89#

Quantitation Report (Qedit)

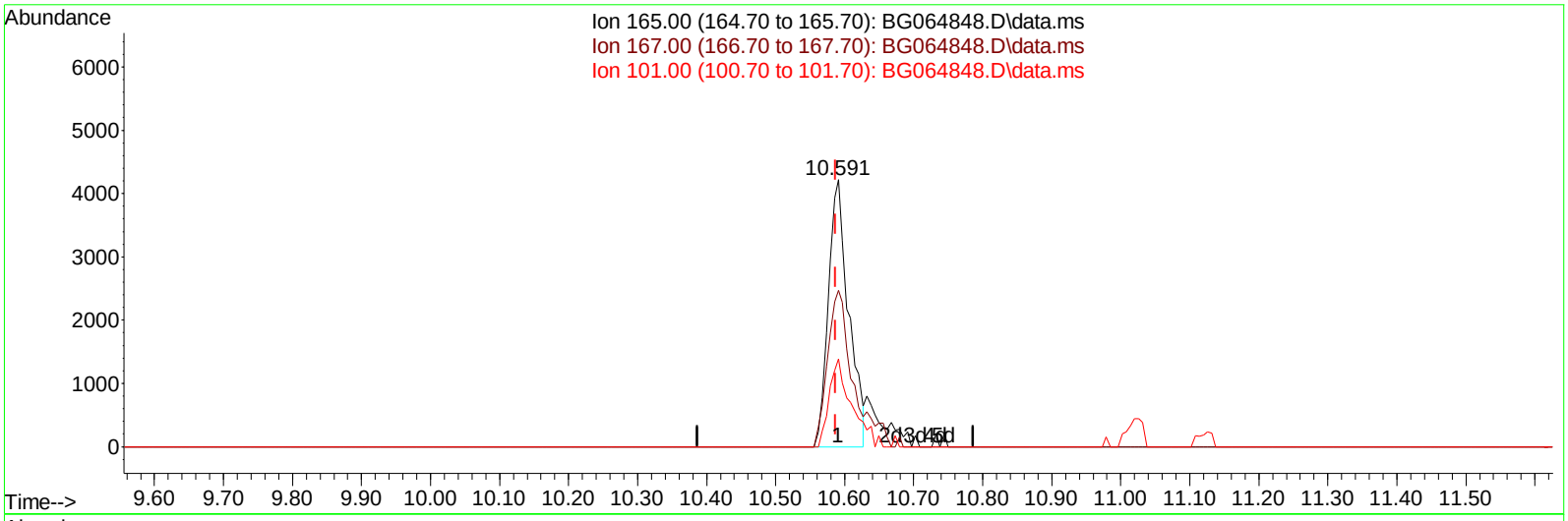
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

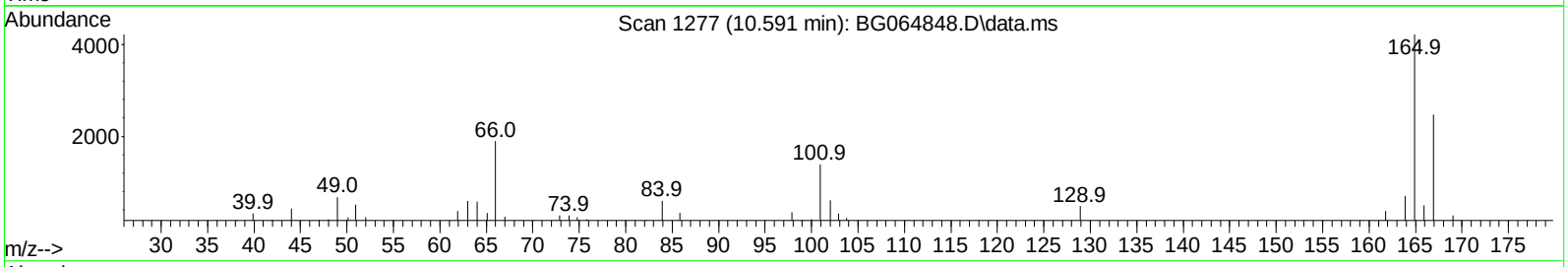
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

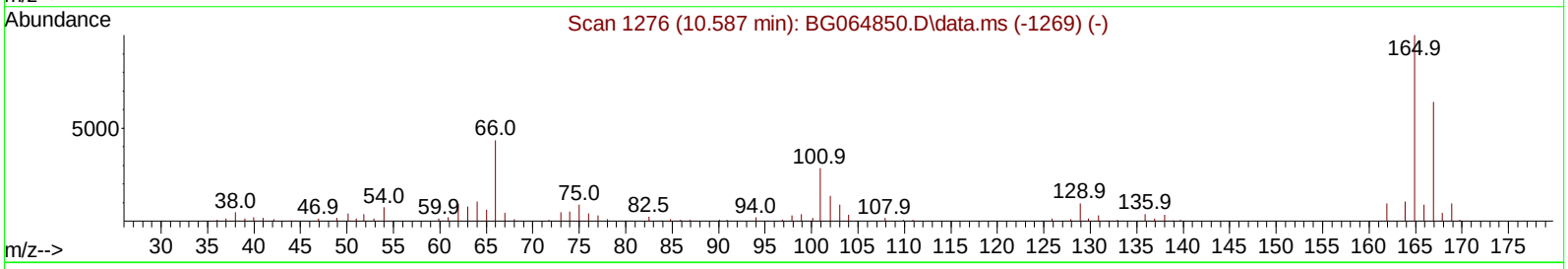
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.591min (+ 0.004) 3.90 ng/ul

response 8618

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	64.10	58.53
101.00	28.50	32.96
0.00	0.00	0.00

Quantitation Report (Qedit)

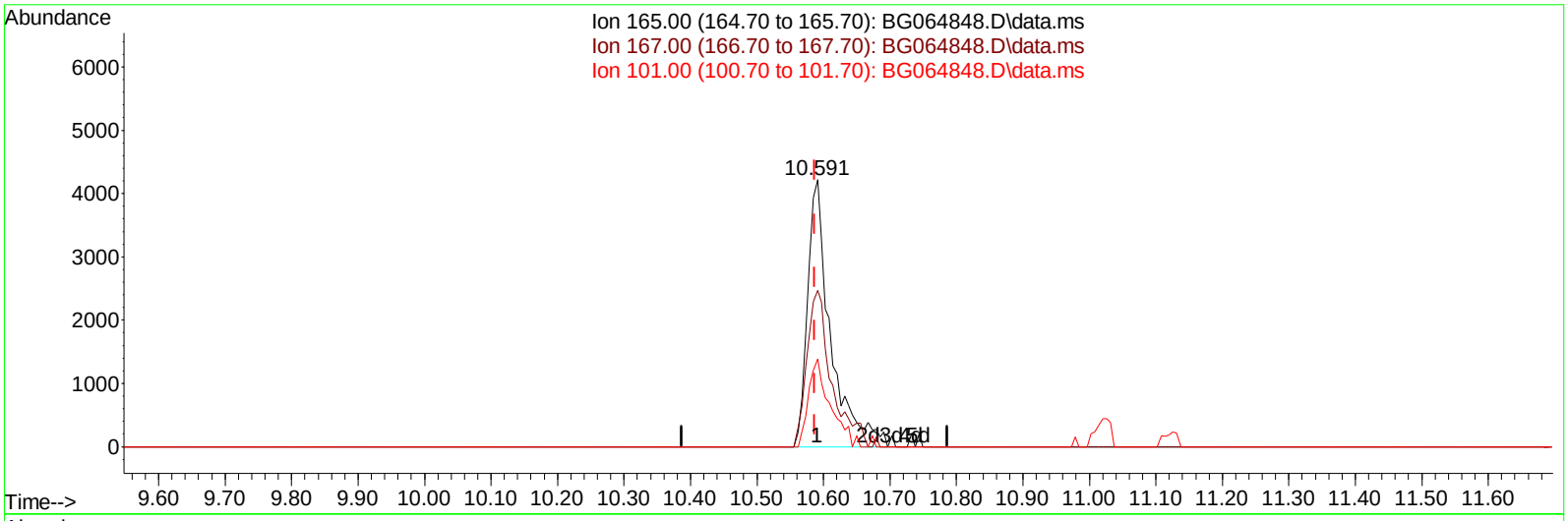
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

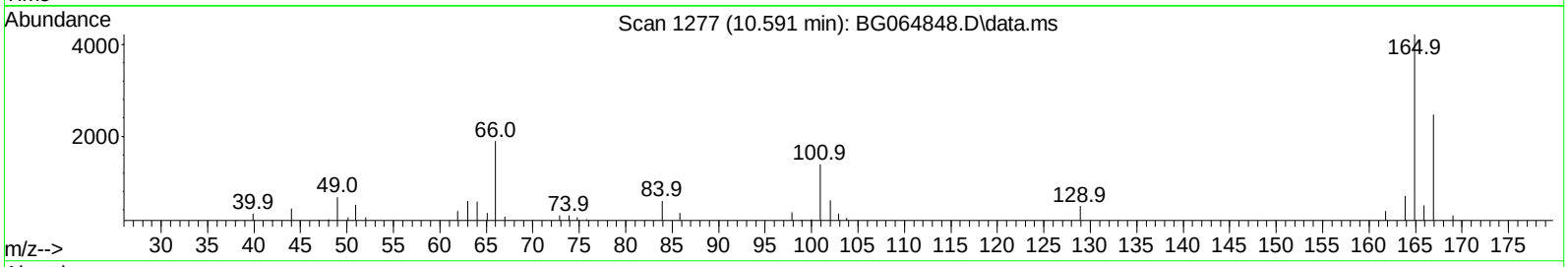
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

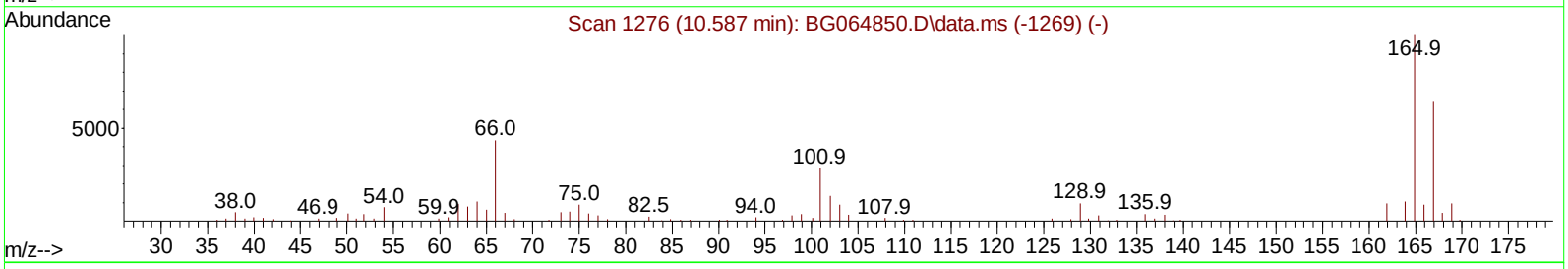
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.591min (+ 0.004) 4.57 ng/ul m

response 10111

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	64.10	58.53
101.00	28.50	32.96
0.00	0.00	0.00

Quantitation Report (Qedit)

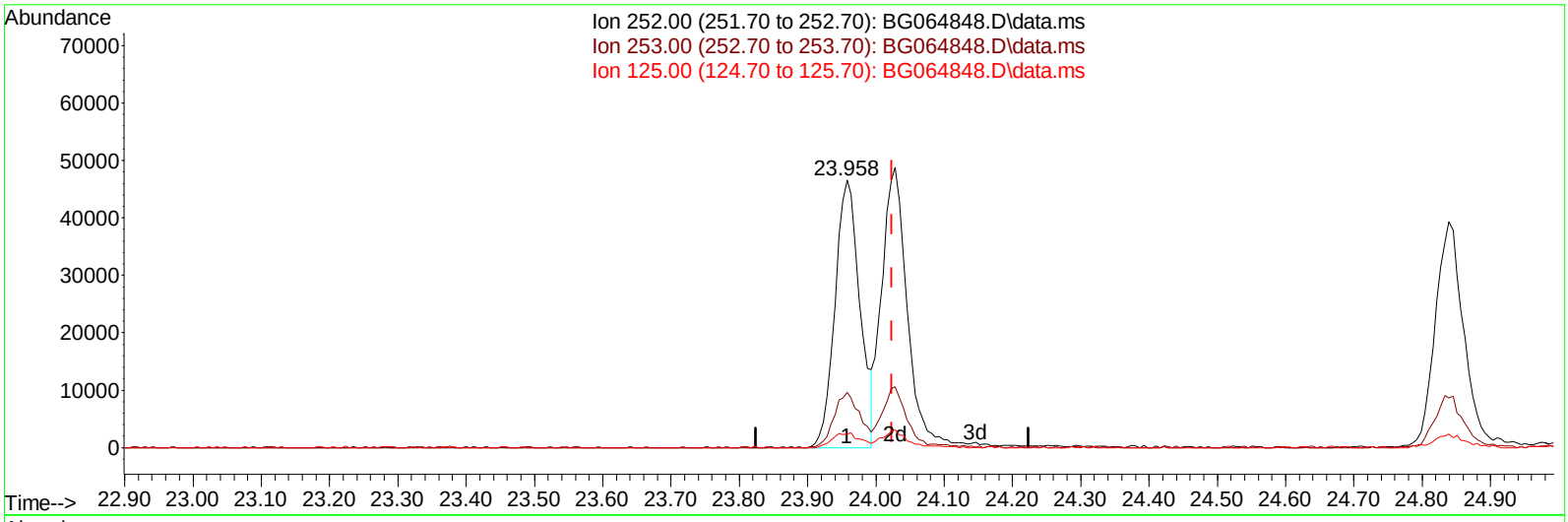
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

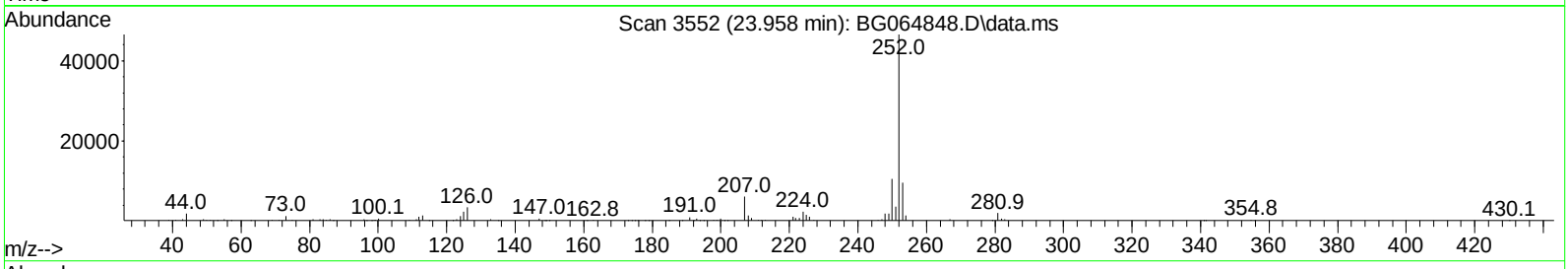
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

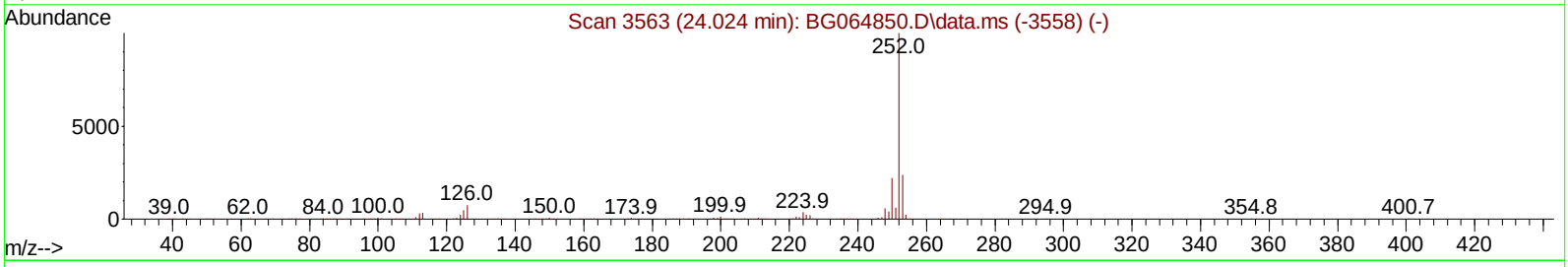
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(91) Benzo(k)fluoranthene

23.958min (-0.067) 4.77 ng/ul

response 118531

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.30	20.75
125.00	5.10	5.16
0.00	0.00	0.00

Quantitation Report (Qedit)

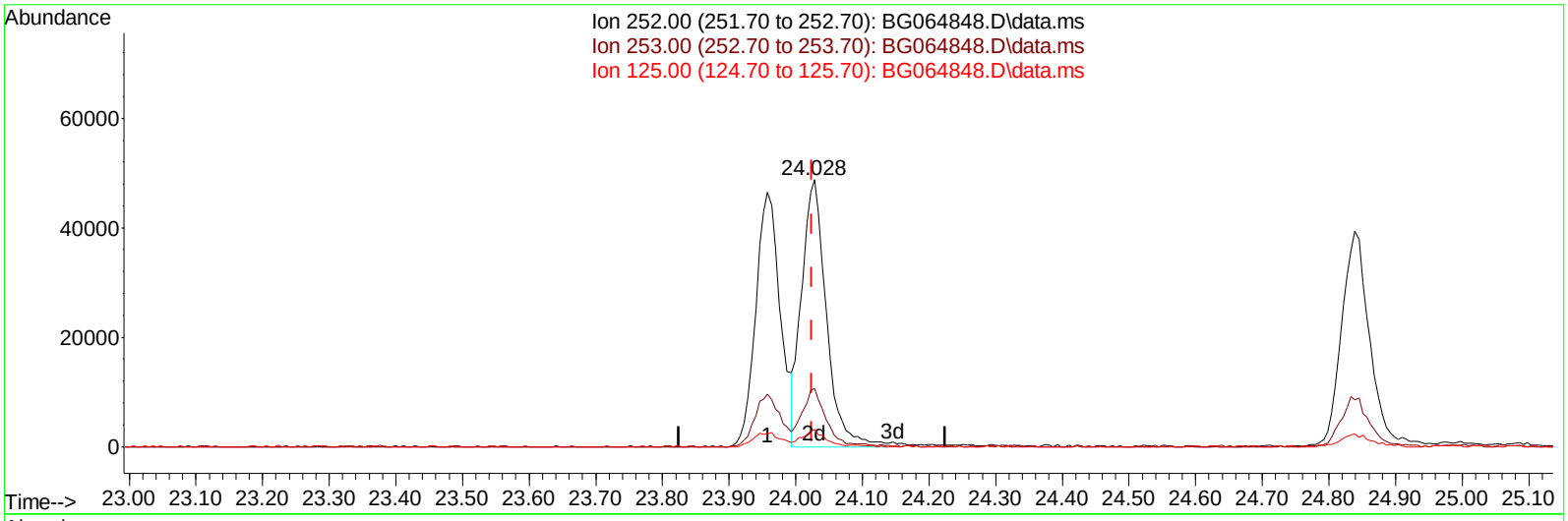
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

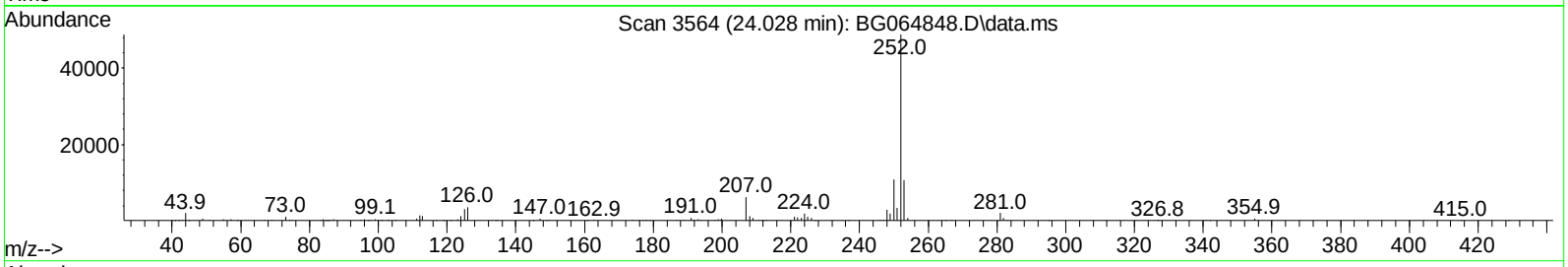
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

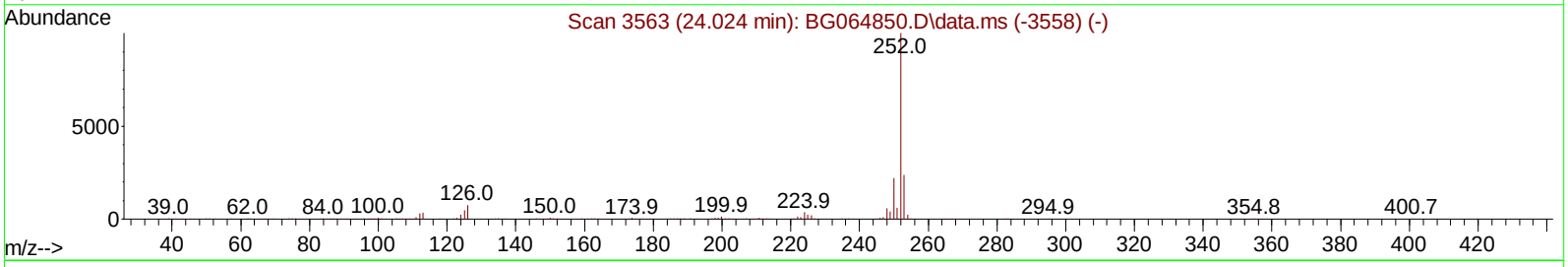
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(91) Benzo(k)fluoranthene

24.028min (+ 0.004) 5.08 ng/ul m

response 126370

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.30	21.80
125.00	5.10	6.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

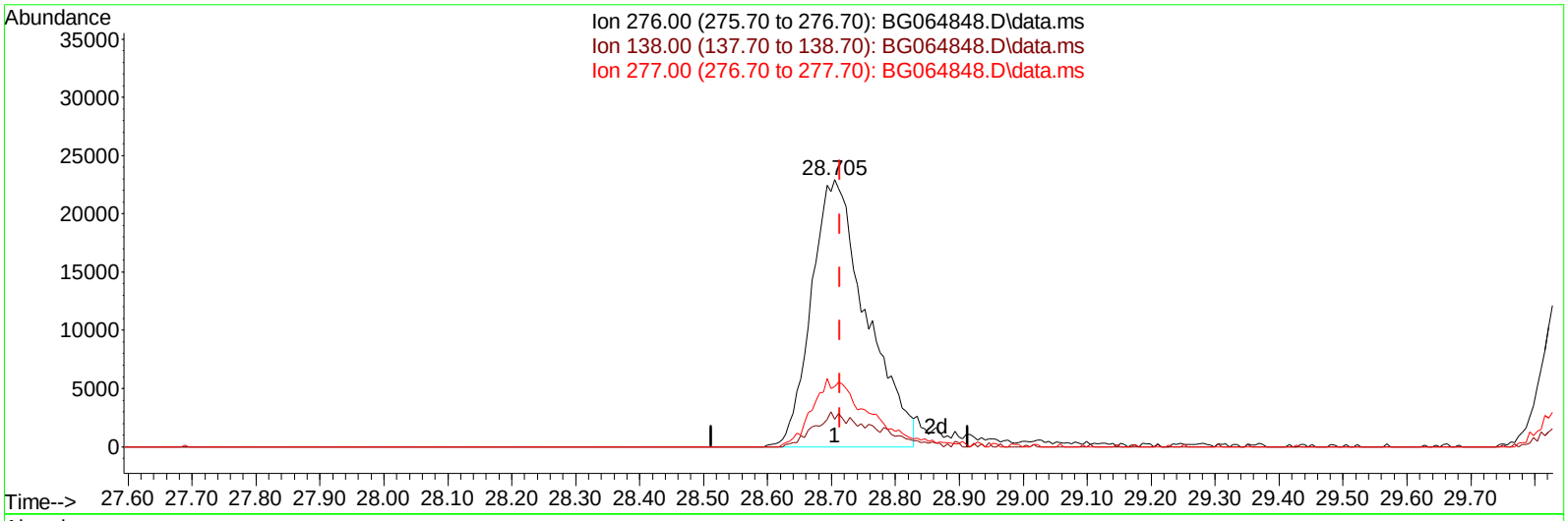
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

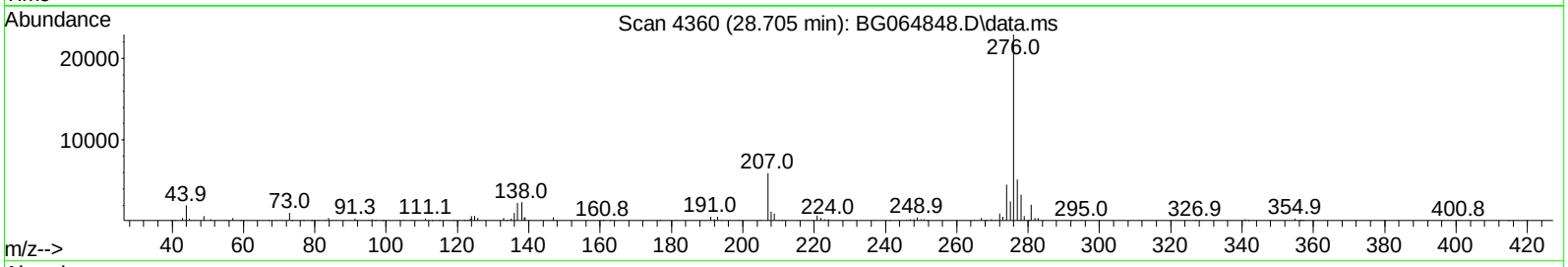
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

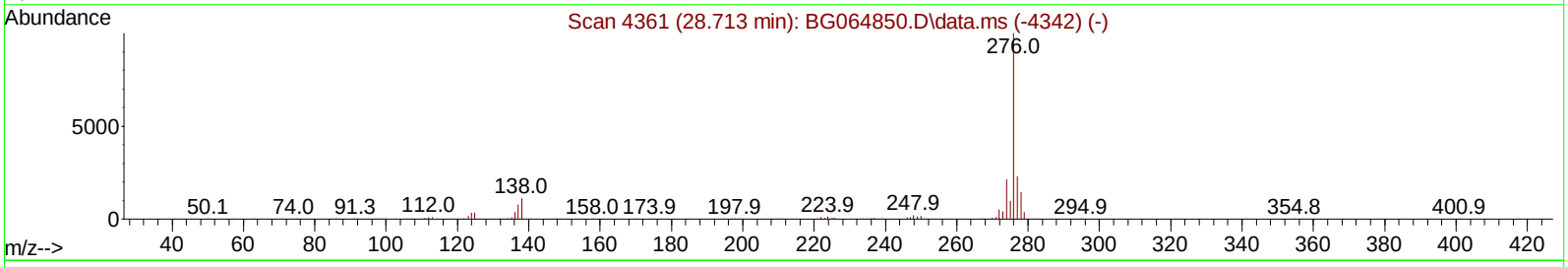
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.705min (-0.008) 4.54 ng/ul

response 135753

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.20	10.34
277.00	23.10	22.59
0.00	0.00	0.00

Quantitation Report (Qedit)

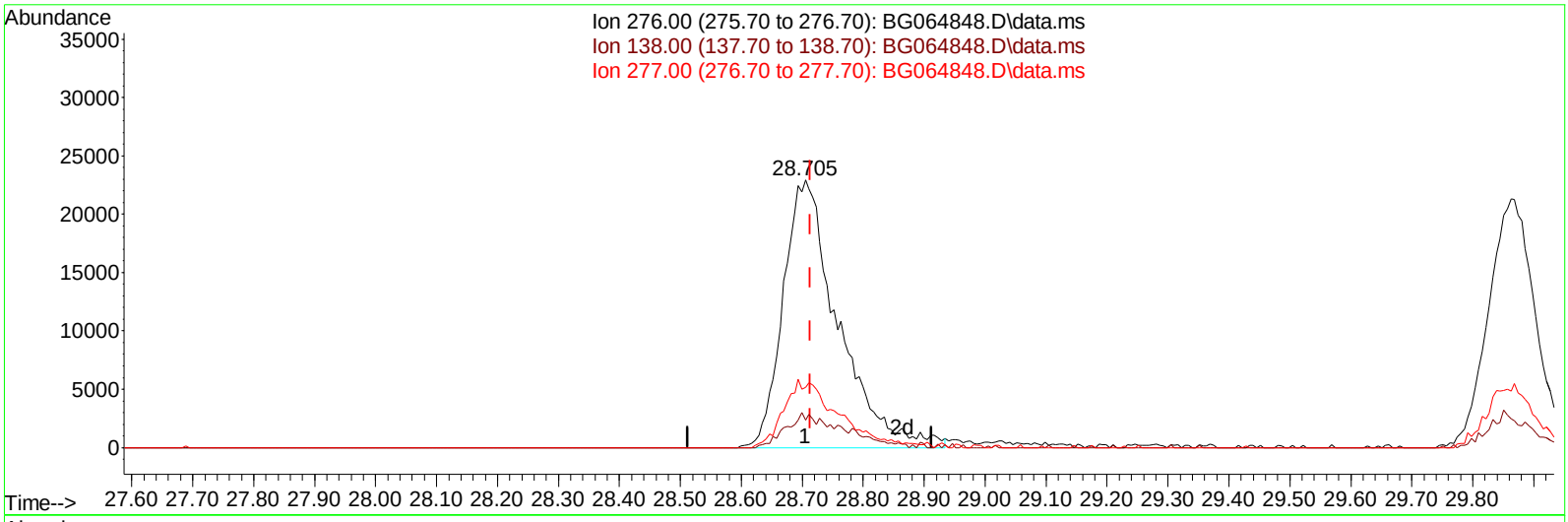
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

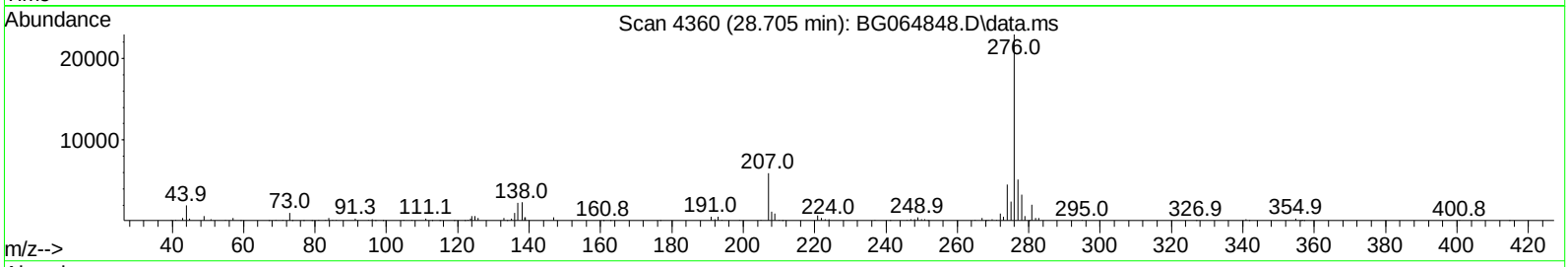
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

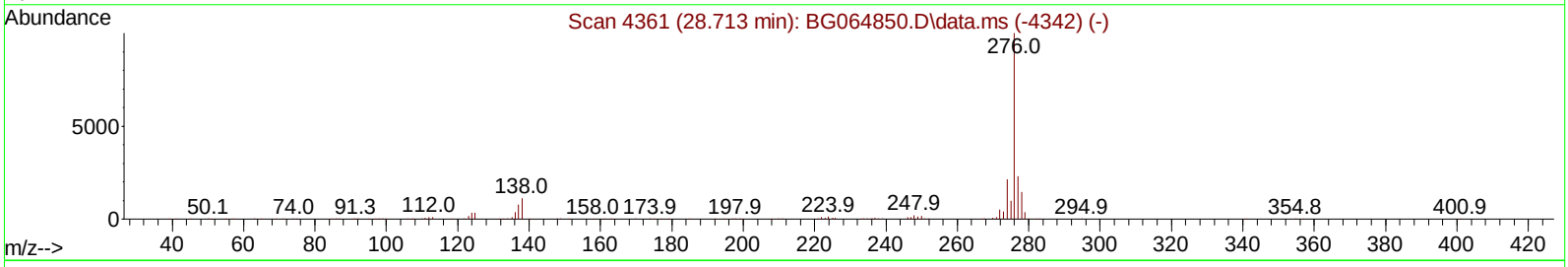
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.705min (-0.008) 4.79 ng/ul m

response 143078

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.20	10.34
277.00	23.10	22.59
0.00	0.00	0.00

Quantitation Report (Qedit)

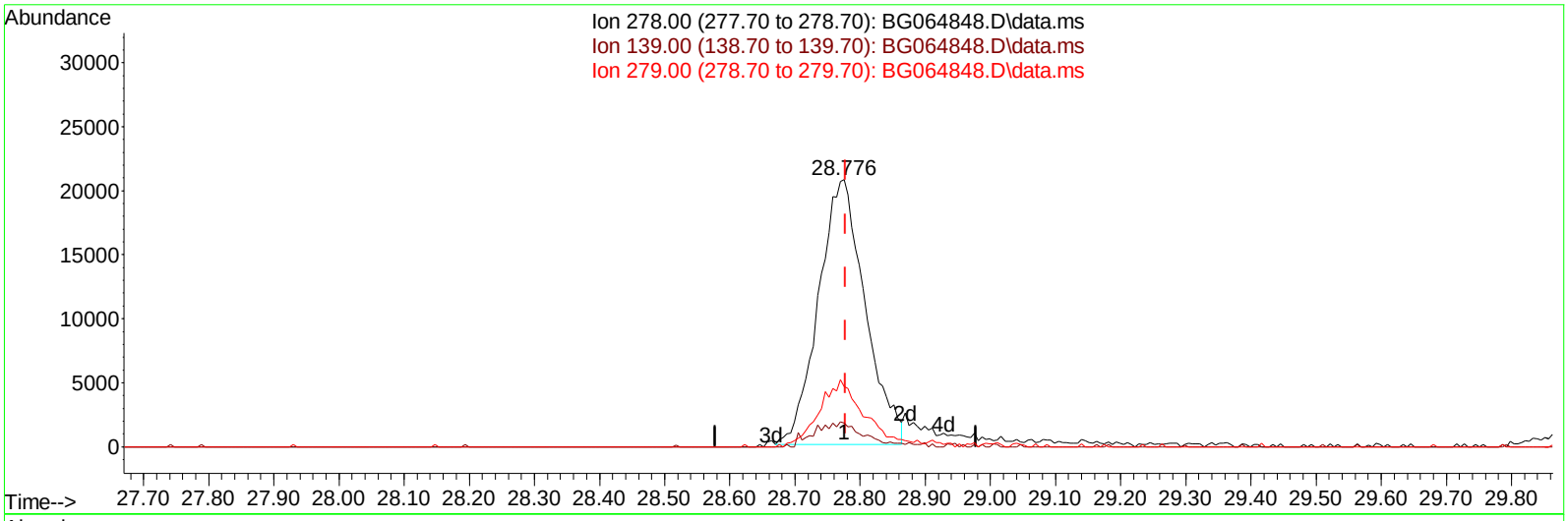
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

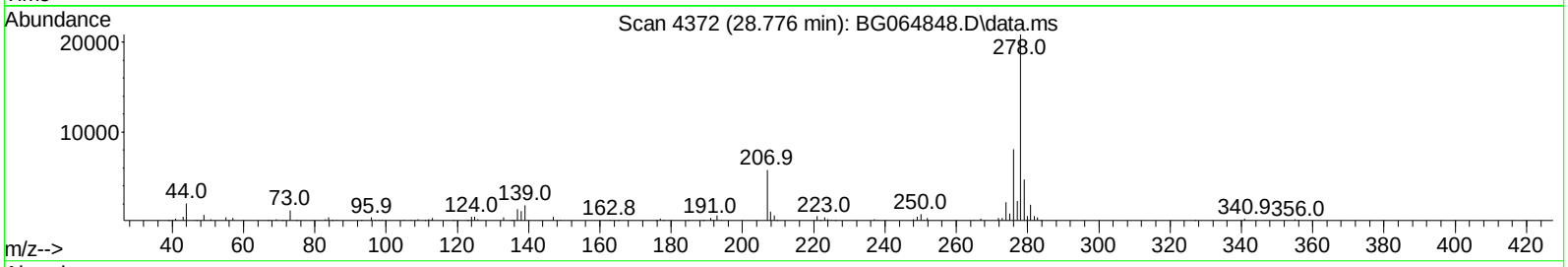
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

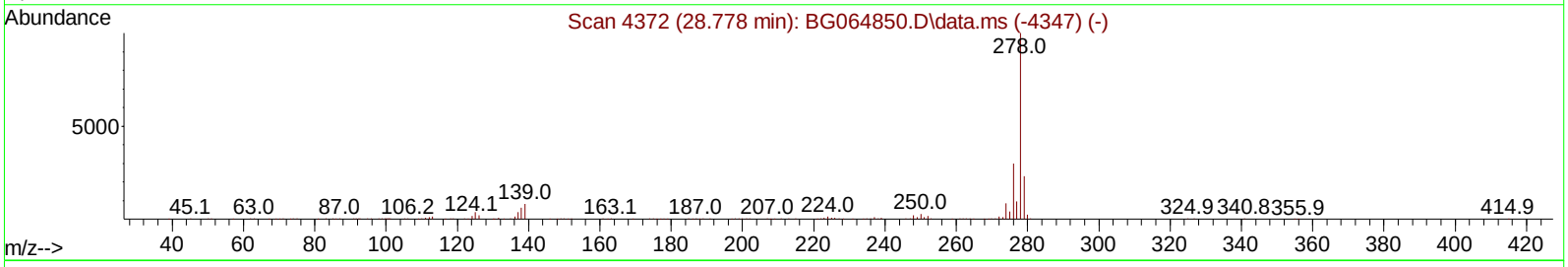
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(95) Dibenzo(a,h)anthracene

28.776min (-0.002) 4.29 ng/ul

response 102714

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.20	8.90
279.00	23.20	22.55
0.00	0.00	0.00

Quantitation Report (Qedit)

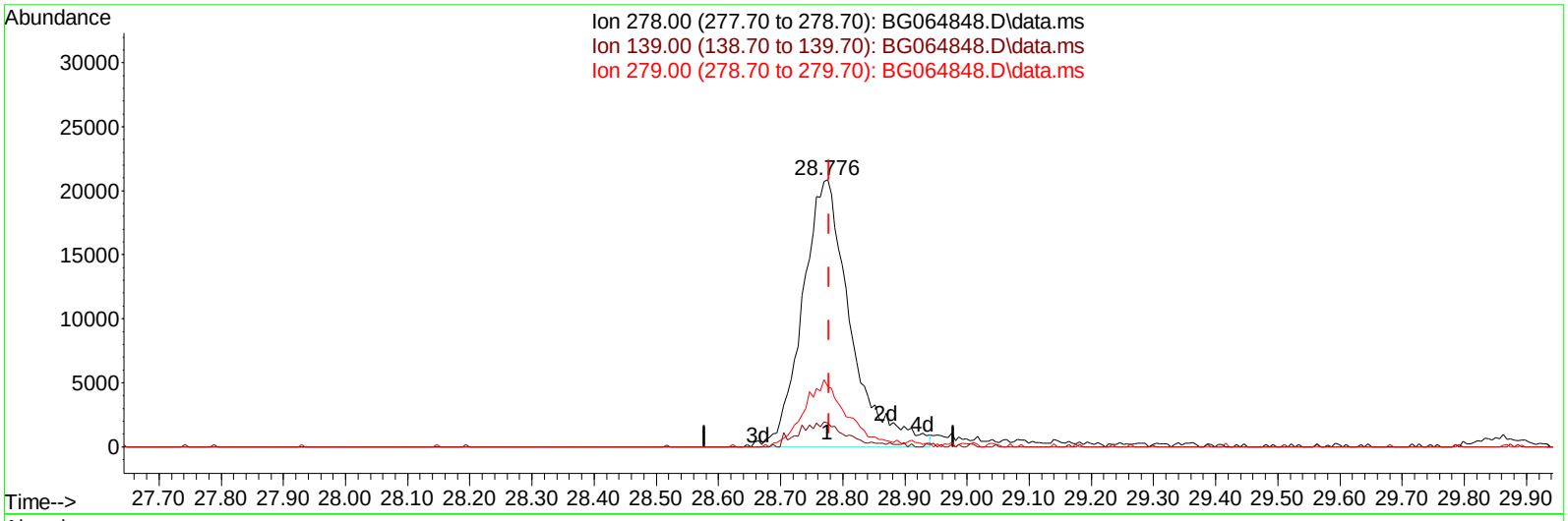
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

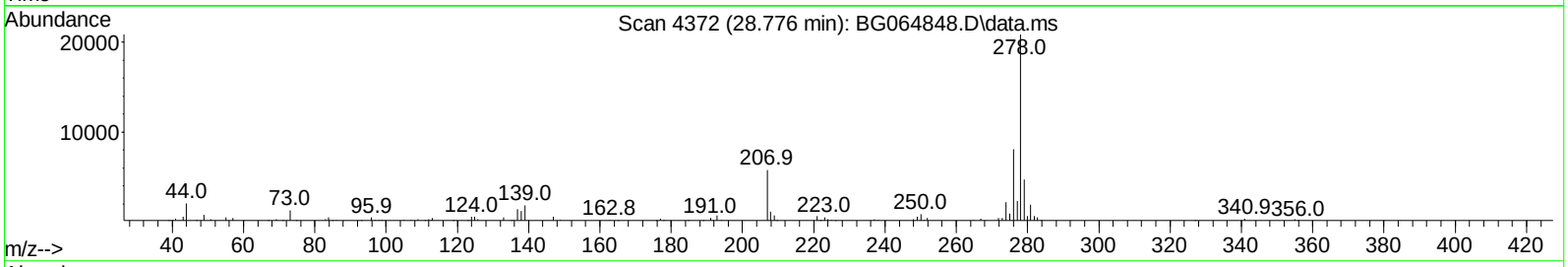
Quant Time: Nov 25 10:00:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

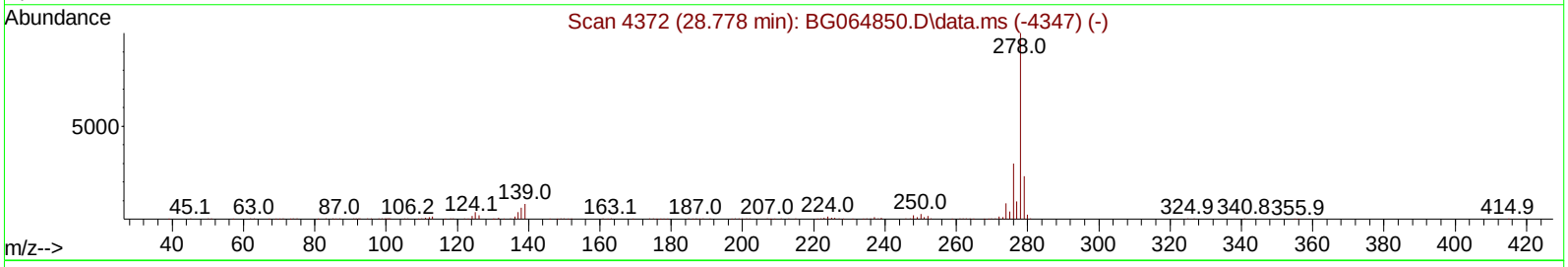
Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064848.D\data.ms

(95) Dibenzo(a,h)anthracene

28.776min (-0.002) 4.67 ng/ul m

response 111715

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.20	8.90
279.00	23.20	22.55
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 10:05:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	30565	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	122671	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	107614	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	282158	20.000	ng/ul	0.00
79) Chrysene-d12	21.743	240	371163	20.000	ng/ul	0.00
88) Perylene-d12	24.998	264	409810	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.488	96	1444	2.321	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	0.000	99	0d	0.000	ng/ul	
9) Bis-(2-Chloroethyl)eth...	0.000	67	0d	0.000	ng/ul	
11) 2-Chlorophenol-d4	7.683	132	7468	3.785	ng/ul	0.00
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/ul	
21) Nitrobenzene-d5	9.310	128	4012	4.153	ng/ul	0.00
24) 2-Nitrophenol-d4	10.039	143	4739m	4.038	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.591	165	10111m	4.573	ng/ul	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/ul	
46) Dimethylphthalate-d6	14.163	166	41604	4.417	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	42892	4.630	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.750	176	38519	4.959	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.595	188	68443	4.857	ng/ul	0.00
81) Pyrene-d10	19.863	212	92056	4.462	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.769	264	100754	4.744	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	1908	2.703	ng/uL#	72
12) 2-Chlorophenol	7.712	128	8679	4.226	ng/ul	90
17) N-Nitroso-di-n-propyla...	8.952	70	7505	4.392	ng/ul	94
19) Hexachloroethane	9.257	117	4492	4.932	ng/ul#	83
22) Nitrobenzene	9.363	77	9888	4.120	ng/ul	92
23) Isophorone	9.886	82	20913	4.518	ng/ul	97
25) 2-Nitrophenol	10.080	139	5041	4.505	ng/ul#	85
26) 2,4-Dimethylphenol	10.133	107	11443	4.509	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.362	93	12157	5.062	ng/ul#	98
29) 2,4-Dichlorophenol	10.615	162	8742	4.294	ng/ul#	81
30) Naphthalene	11.026	128	35186	5.153	ng/ul	98
33) Hexachlorobutadiene	11.314	225	10441	5.532	ng/ul	92
35) 4-Chloro-3-methylphenol	12.236	107	9837	4.018	ng/ul	94
36) 2-Methylnaphthalene	12.618	142	25123	4.868	ng/ul	98
37) 1-Methylnaphthalene	12.835	142	25096	4.902	ng/ul#	92
39) 1,2,4,5-Tetrachloroben...	12.982	216	19270	5.415	ng/ul#	98
41) 2,4,6-Trichlorophenol	13.206	196	9848	4.427	ng/ul#	84
42) 2,4,5-Trichlorophenol	13.282	196	9430	3.985	ng/ul	90
43) 1,1'-Biphenyl	13.611	154	36781	4.635	ng/ul	95
44) 2-Chloronaphthalene	13.652	162	28683	4.903	ng/ul	96
45) 2-Nitroaniline	13.846	65	6931	3.406	ng/ul	94
47) Dimethylphthalate	14.210	163	42732	4.788	ng/ul	97
48) 2,6-Dinitrotoluene	14.322	165	6917	4.111	ng/ul	92

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064848.D
Acq On : 24 Nov 2025 14:04
Operator : RC/JU
Sample : SSTD00519
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 10:05:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD005419

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) Acenaphthylene	14.492	152	49835	4.936	ng/ul	95
52) Acenaphthene	14.833	153	33149	4.878	ng/ul	96
56) Dibenzofuran	15.162	168	50733	4.995	ng/ul	94
57) 2,4-Dinitrotoluene	15.109	165	10215	3.791	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.380	232	12121	4.766	ng/ul#	88
59) Diethylphthalate	15.562	149	41334	4.336	ng/ul	99
61) Fluorene	15.803	166	41933	4.967	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.791	204	24821	5.406	ng/ul	99
67) N-Nitrosodiphenylamine	16.002	169	35821	4.648	ng/ul	99
68) 4-Bromophenyl-phenylether	16.684	248	17423	5.144	ng/ul	89
69) Hexachlorobenzene	16.807	284	21760	5.606	ng/ul	95
72) Phenanthrene	17.536	178	77956	5.031	ng/ul	97
74) Anthracene	17.630	178	75087	4.768	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.576	216	20093	5.159	ng/ul	97
76) Pentachlorobenzene	15.086	250	22591	5.230	ng/ul	99
78) Di-n-butylphthalate	18.441	149	69314	4.192	ng/ul#	96
80) Fluoranthene	19.533	202	99317	4.249	ng/ul	98
82) Pyrene	19.892	202	106993	4.432	ng/ul	98
83) Butylbenzylphthalate	20.761	149	34606	3.790	ng/ul	94
85) Benzo(a)anthracene	21.725	228	118516	4.749	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.625	149	53638	4.065	ng/ul	100
87) Chrysene	21.790	228	120644	5.084	ng/ul	98
90) Benzo(b)fluoranthene	23.958	252	118531	4.760	ng/ul	99
91) Benzo(k)fluoranthene	24.028	252	126370m	5.085	ng/ul	
93) Benzo(a)pyrene	24.839	252	113032	4.886	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.705	276	143078m	4.790	ng/ul	
95) Dibenzo(a,h)anthracene	28.776	278	111715m	4.668	ng/ul	
96) Benzo(g,h,i)perylene	29.863	276	112622	4.654	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

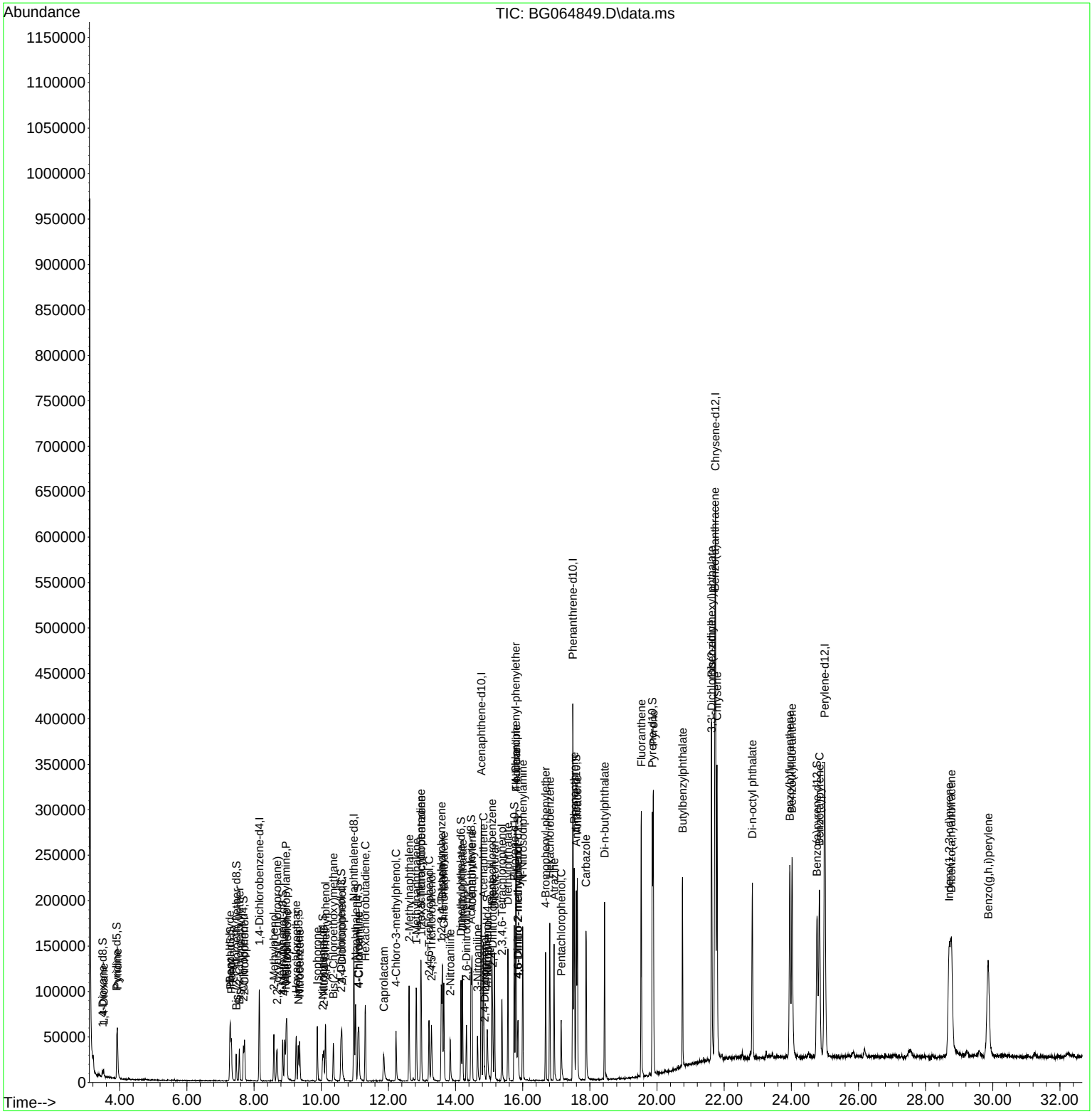
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Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 10:08:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 10:08:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	31363	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	129609	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.767	164	109589	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	278419	20.000	ng/ul	0.00
79) Chrysene-d12	21.742	240	366513	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	405465	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	3300	5.170	ng/uL	0.00
4) Pyridine-d5	3.910	84	19667	10.619	ng/ul	0.00
7) Phenol-d5	7.300	99	22252	8.648	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	15206	10.816	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	18914	9.341	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	19353	8.354	ng/ul	0.00
21) Nitrobenzene-d5	9.321	128	9130	8.945	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	9911	7.993	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.590	165	21368	9.147	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	28055	8.945	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	84441	8.803	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	89989	9.538	ng/ul	0.00
54) 4-Nitrophenol-d4	14.938	143	10166m	6.911	ng/ul	0.00
60) Fluorene-d10	15.749	176	75617	9.560	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.854	200	12752	6.658	ng/ul	0.00
73) Anthracene-d10	17.594	188	143260	10.302	ng/ul	0.00
81) Pyrene-d10	19.862	212	186820	9.170	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.762	264	208969	9.944	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.522	88	3704	5.113	ng/uL	95
5) Pyridine	3.933	79	22431	11.573	ng/ul	98
6) Benzaldehyde	7.282	77	16033	13.137	ng/ul	92
8) Phenol	7.323	94	23128	8.752	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.564	93	18471	9.921	ng/ul	94
12) 2-Chlorophenol	7.717	128	19181	9.101	ng/ul	91
13) 2-Methylphenol	8.586	108	18908	8.710	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.686	45	39427	11.133	ng/ul	98
16) Acetophenone	8.980	105	33607	9.076	ng/ul	88
17) N-Nitroso-di-n-propyla...	8.951	70	16374	9.339	ng/ul	89
18) 4-Methylphenol	8.916	108	20170	8.531	ng/ul	86
19) Hexachloroethane	9.250	117	9149	9.790	ng/ul#	77
22) Nitrobenzene	9.356	77	24527	9.671	ng/ul	95
23) Isophorone	9.879	82	46352	9.478	ng/ul	99
25) 2-Nitrophenol	10.079	139	11188	9.462	ng/ul#	82
26) 2,4-Dimethylphenol	10.126	107	24630	9.186	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.361	93	25572	10.078	ng/ul	99
29) 2,4-Dichlorophenol	10.614	162	20683	9.615	ng/ul	97
30) Naphthalene	11.025	128	72345	10.028	ng/ul	100
32) 4-Chloroaniline	11.125	127	28557	9.197	ng/ul	99
33) Hexachlorobutadiene	11.313	225	23284	11.677	ng/ul	92
34) Caprolactam	11.865	113	7219m	8.615	ng/ul	
35) 4-Chloro-3-methylphenol	12.229	107	22429	8.670	ng/ul	95
36) 2-Methylnaphthalene	12.617	142	54410	9.979	ng/ul	97

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 10:08:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.834	142	54225	10.024	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.981	216	41534	11.460	ng/ul	95
40) Hexachlorocyclopentadiene	12.964	237	24547	9.710	ng/ul	99
41) 2,4,6-Trichlorophenol	13.210	196	21147	9.336	ng/ul	95
42) 2,4,5-Trichlorophenol	13.281	196	21499	8.922	ng/ul	96
43) 1,1'-Biphenyl	13.610	154	75242	9.310	ng/ul	99
44) 2-Chloronaphthalene	13.651	162	59233	9.943	ng/ul	96
45) 2-Nitroaniline	13.845	65	17021	8.215	ng/ul	94
47) Dimethylphthalate	14.209	163	86095	9.472	ng/ul	98
48) 2,6-Dinitrotoluene	14.327	165	14838	8.659	ng/ul	97
50) Acenaphthylene	14.491	152	104471	10.160	ng/ul	98
51) 3-Nitroaniline	14.656	138	13295	9.043	ng/ul	84
52) Acenaphthene	14.832	153	69482	10.040	ng/ul	97
53) 2,4-Dinitrophenol	14.867	184	4983	4.564	ng/ul#	88
55) 4-Nitrophenol	14.950	109	9314	5.026	ng/ul#	84
56) Dibenzofuran	15.161	168	104591	10.112	ng/ul	97
57) 2,4-Dinitrotoluene	15.108	165	22960	8.367	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.384	232	25488	9.842	ng/ul	95
59) Diethylphthalate	15.561	149	86404	8.901	ng/ul	99
61) Fluorene	15.807	166	82580	9.606	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.796	204	50607	10.824	ng/ul	97
63) 4-Nitroaniline	15.807	138	15757m	10.480	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.866	198	12848	6.656	ng/ul#	97
67) N-Nitrosodiphenylamine	16.001	169	74183	9.754	ng/ul	99
68) 4-Bromophenyl-phenylether	16.683	248	35694	10.680	ng/ul	96
69) Hexachlorobenzene	16.806	284	45189	11.798	ng/ul	96
70) Atrazine	16.936	200	35446	9.547	ng/ul	97
71) Pentachlorophenol	17.147	266	18999	7.996	ng/ul	86
72) Phenanthrene	17.535	178	157106	10.275	ng/ul	98
74) Anthracene	17.629	178	155780	10.025	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.581	216	38907	10.123	ng/ul	98
76) Pentachlorobenzene	15.085	250	46558	10.923	ng/ul	94
77) Carbazole	17.887	167	128285	9.649	ng/ul	98
78) Di-n-butylphthalate	18.440	149	149690	9.175	ng/ul	99
80) Fluoranthene	19.532	202	210606	9.125	ng/ul	98
82) Pyrene	19.891	202	221265	9.281	ng/ul	97
83) Butylbenzylphthalate	20.760	149	72323	8.021	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.630	252	79989	10.272	ng/ul	97
85) Benzo(a)anthracene	21.724	228	247616	10.049	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.624	149	105066	8.064	ng/ul	97
87) Chrysene	21.789	228	238689	10.187	ng/ul	98
89) Di-n-octyl phthalate	22.840	149	183042	8.251	ng/ul	100
90) Benzo(b)fluoranthene	23.957	252	246526	10.007	ng/ul	97
91) Benzo(k)fluoranthene	24.021	252	251375	10.223	ng/ul	97
93) Benzo(a)pyrene	24.838	252	235592	10.294	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.704	276	298381	10.096	ng/ul	97
95) Dibenzo(a,h)anthracene	28.769	278	244870m	10.342	ng/ul	
96) Benzo(g,h,i)perylene	29.867	276	248794	10.392	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

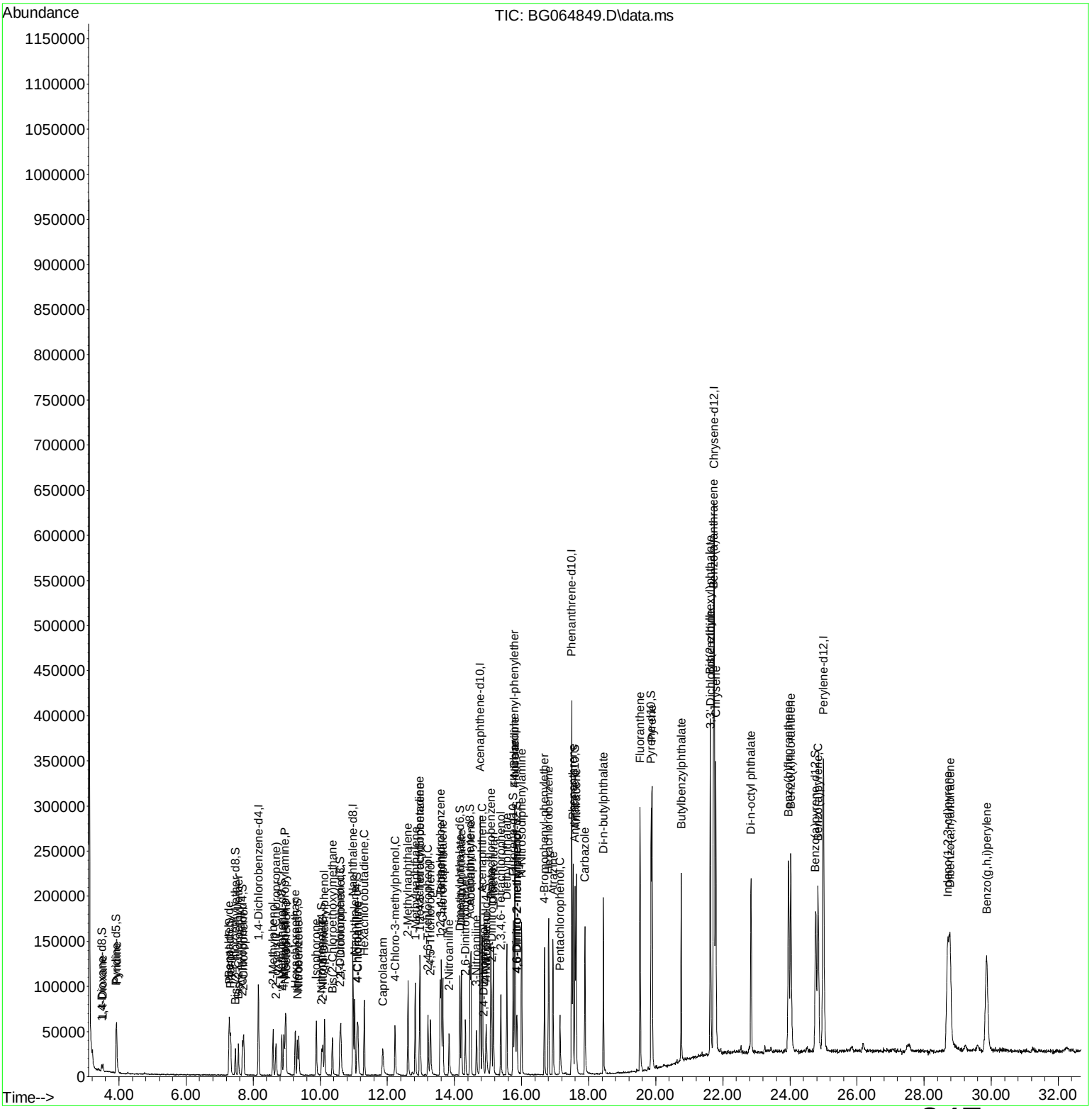
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Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 10:08:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (Qedit)

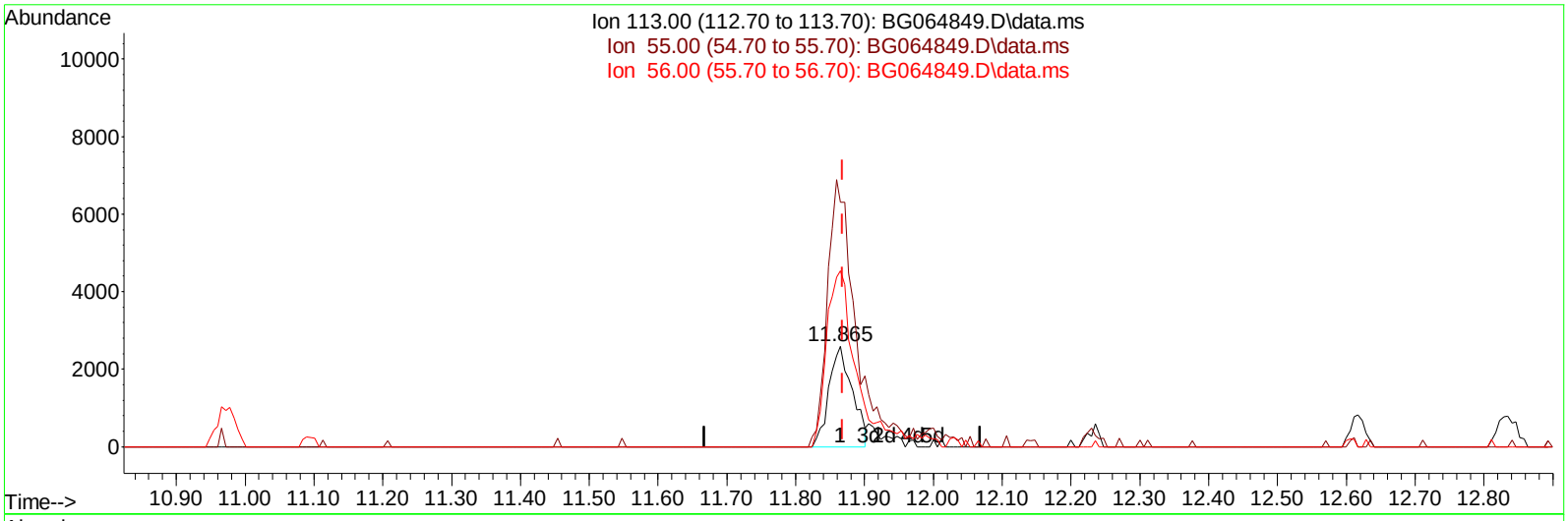
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Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

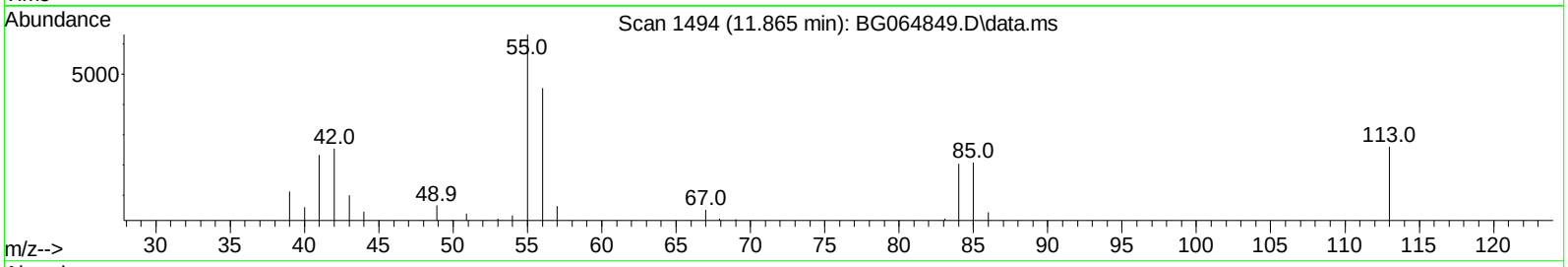
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

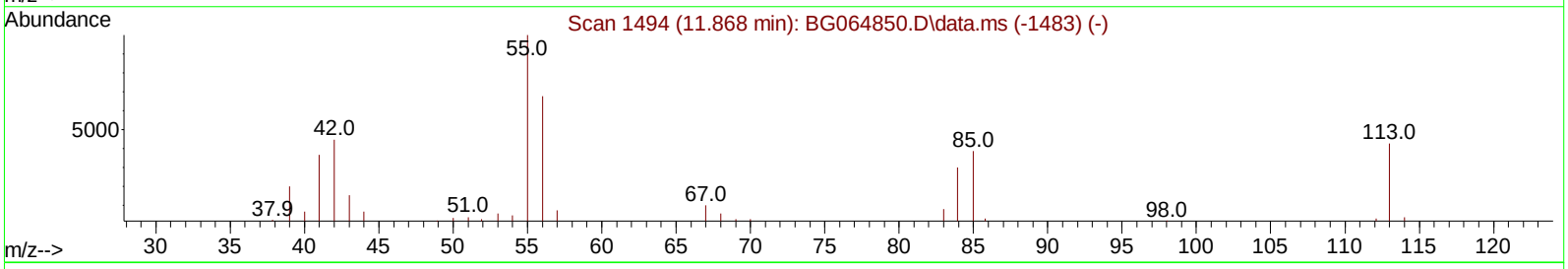
Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064849.D\data.ms

(34) Caprolactam

11.865min (-0.003) 7.28 ng/ul

response 6100

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	242.86
56.00	159.40	174.66
0.00	0.00	0.00

Quantitation Report (Qedit)

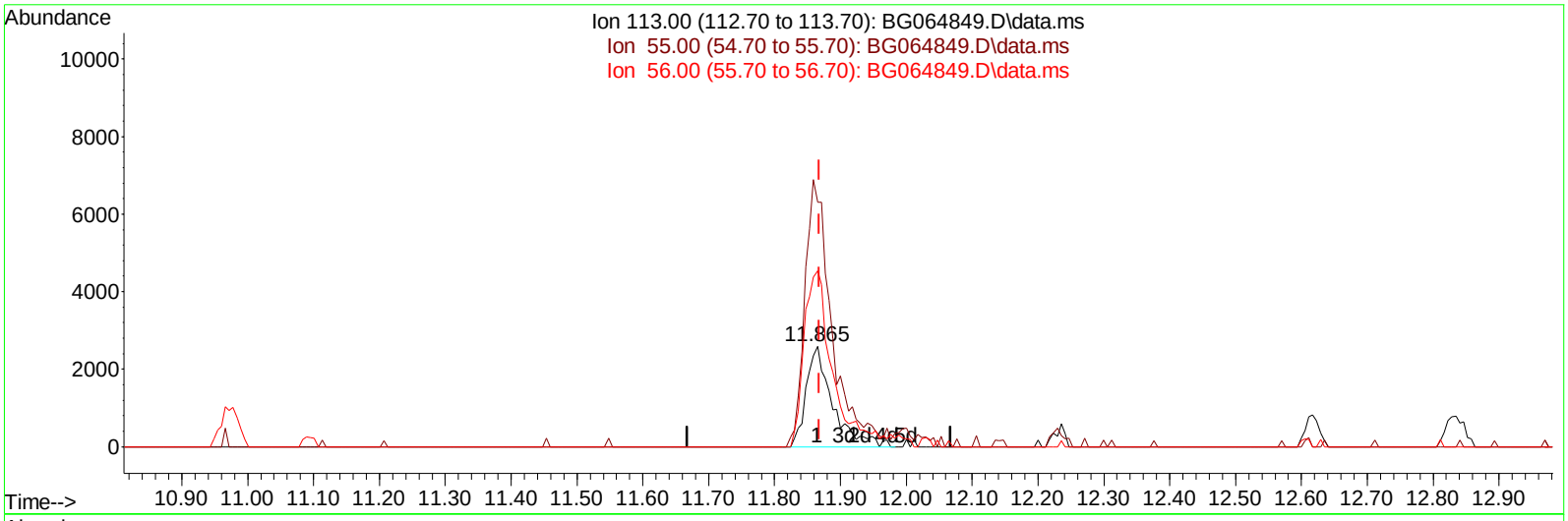
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Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

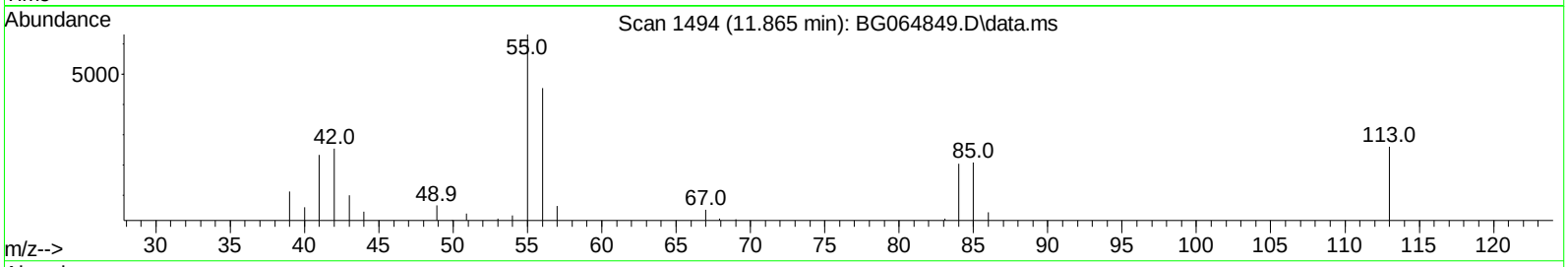
Quant Time: Nov 25 10:05:49 2025
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

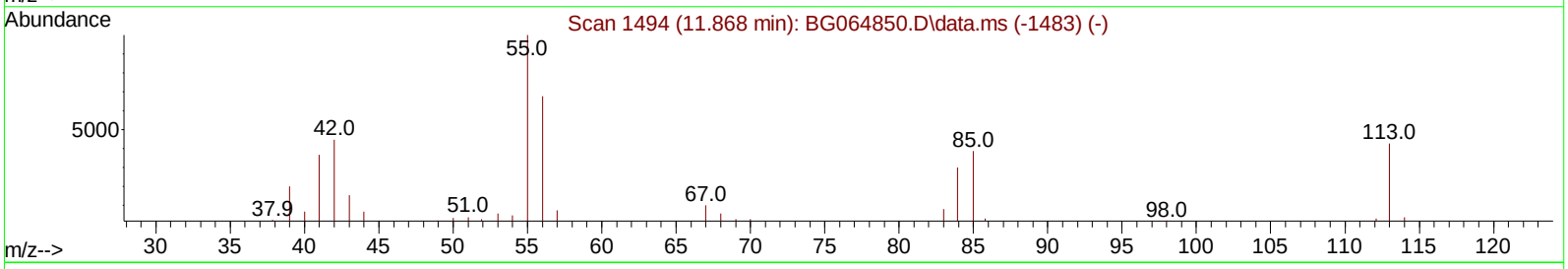
Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064849.D\data.ms

(34) Caprolactam

11.865min (-0.003) 8.61 ng/ul m

response 7219

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	242.86
56.00	159.40	174.66
0.00	0.00	0.00

Quantitation Report (Qedit)

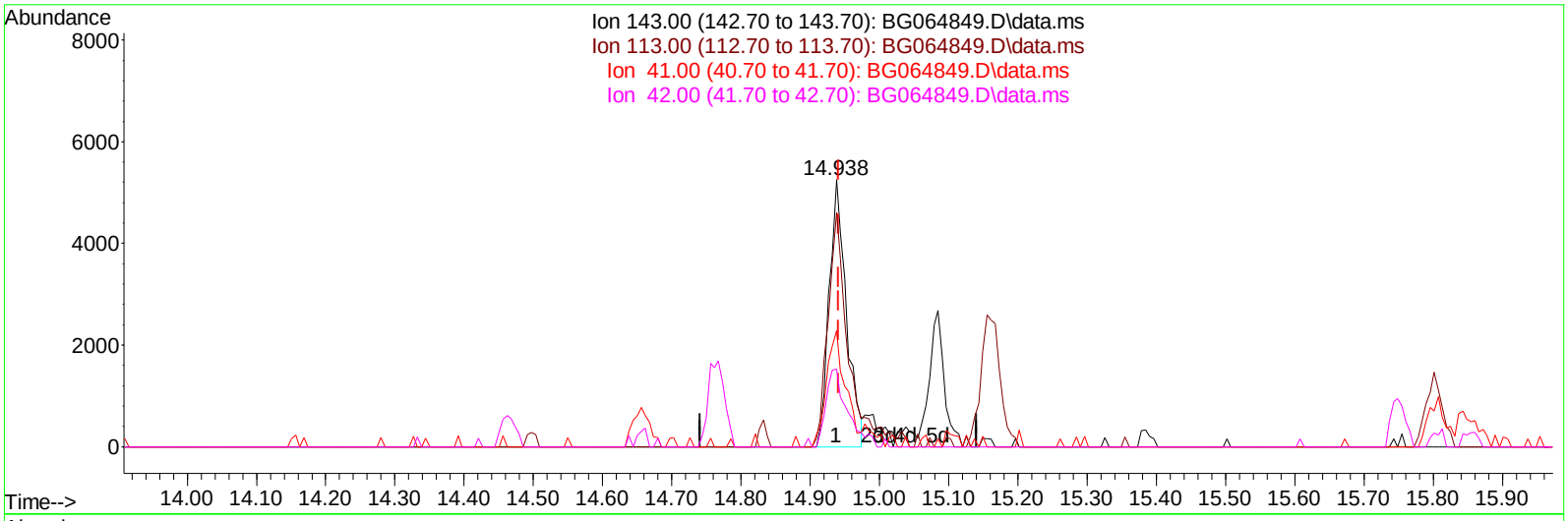
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

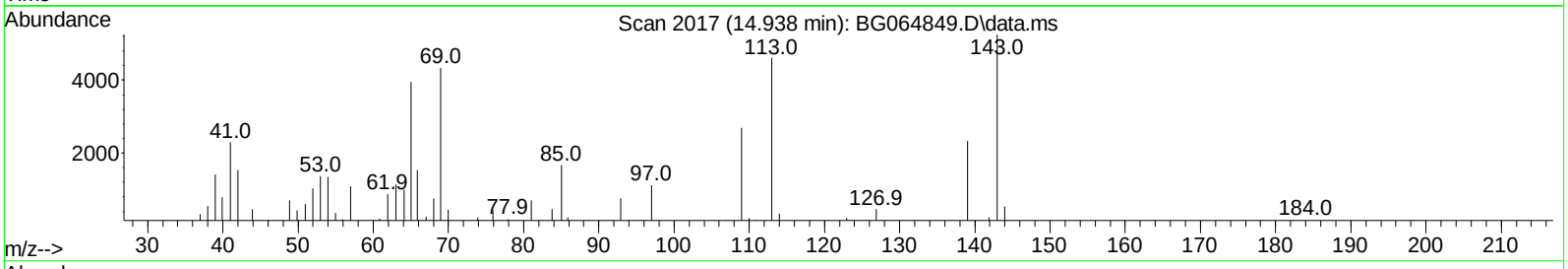
Quant Time: Nov 25 10:05:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

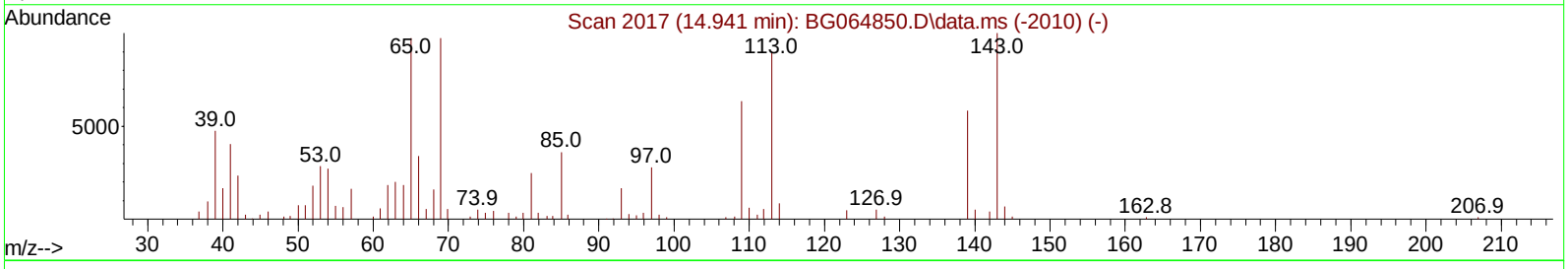
Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064849.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.938min (-0.003) 6.16 ng/ul

response 9060

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	87.89
41.00	40.40	43.59
42.00	23.60	29.08#

Quantitation Report (Qedit)

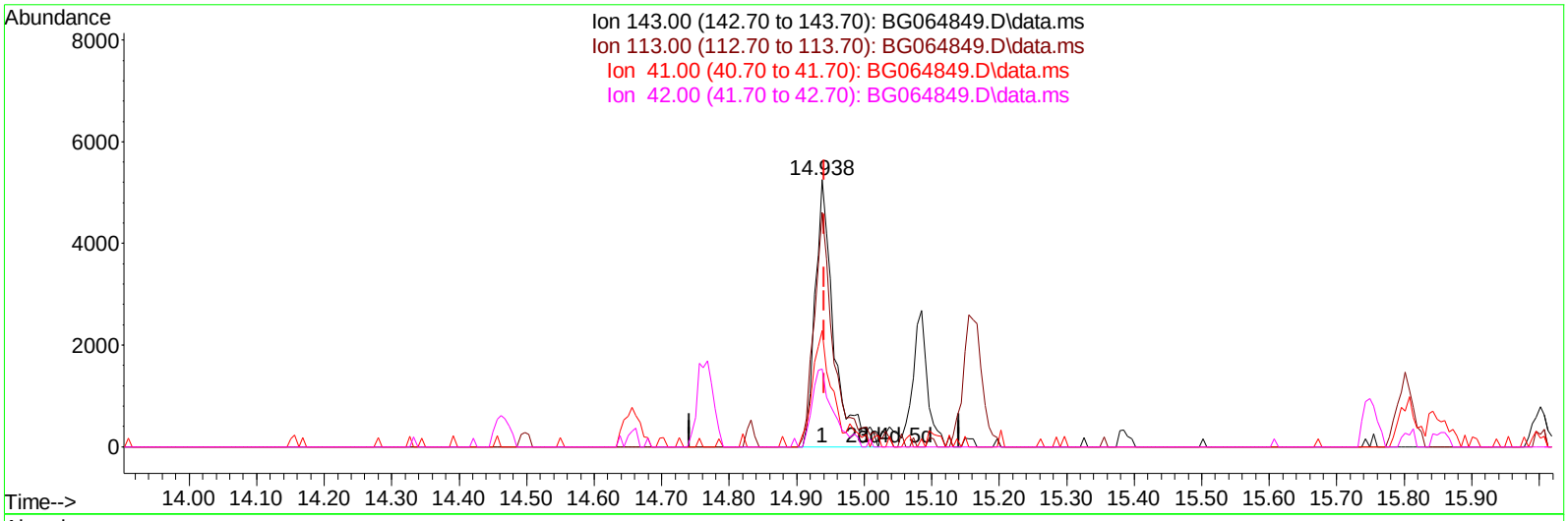
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

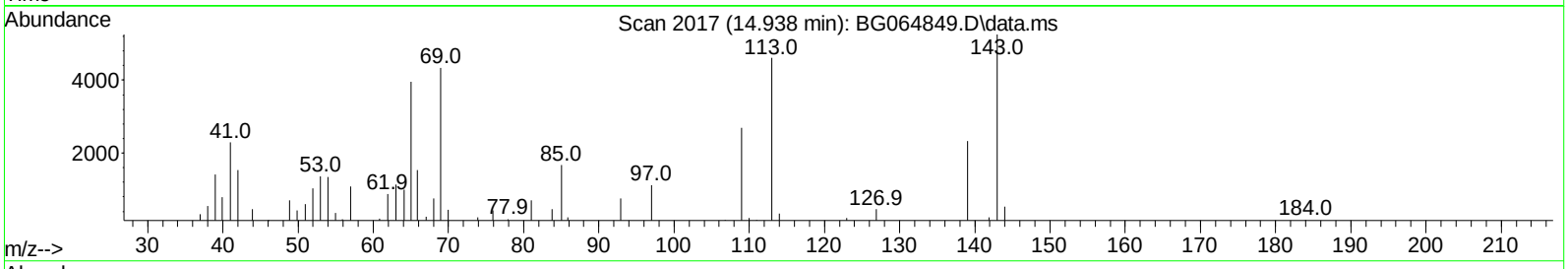
Quant Time: Nov 25 10:05:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

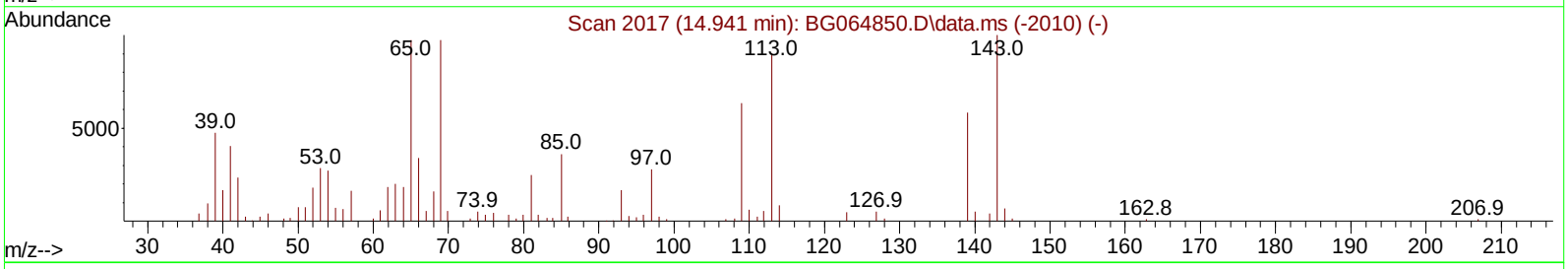
Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064849.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.938min (-0.003) 6.91 ng/ul m

response 10166

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	87.89
41.00	40.40	43.59
42.00	23.60	29.08#

Quantitation Report (Qedit)

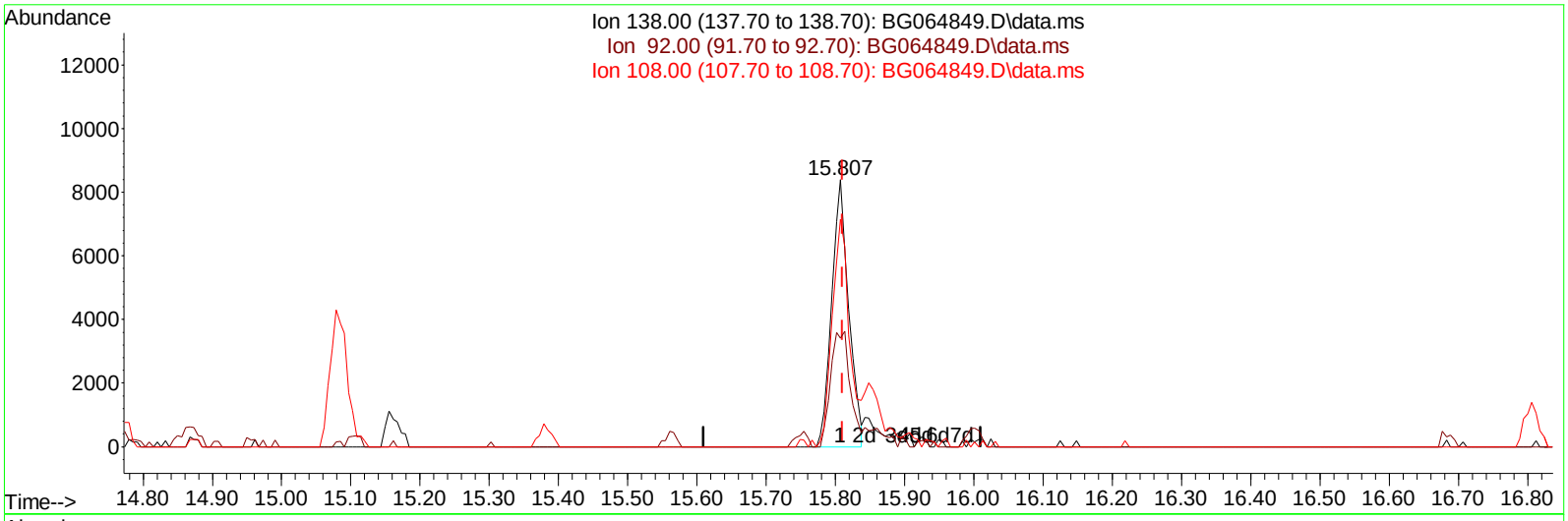
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
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Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

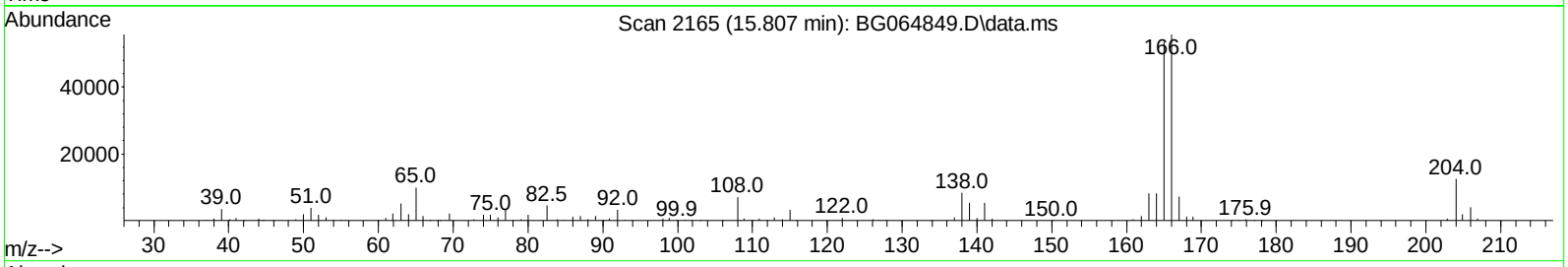
Quant Time: Nov 25 10:05:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

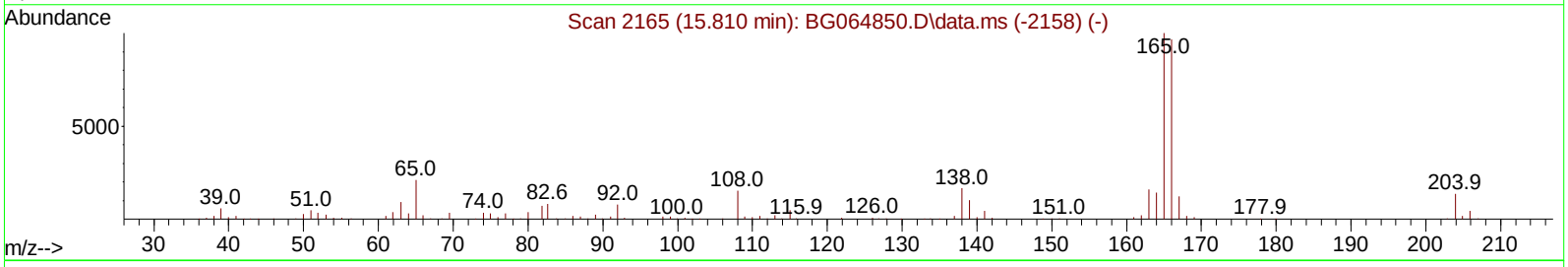
Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064849.D\data.ms

(63) 4-Nitroaniline

15.807min (-0.003) 9.47 ng/ul

response 14238

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	49.10	40.72
108.00	92.30	85.24
0.00	0.00	0.00

Quantitation Report (Qedit)

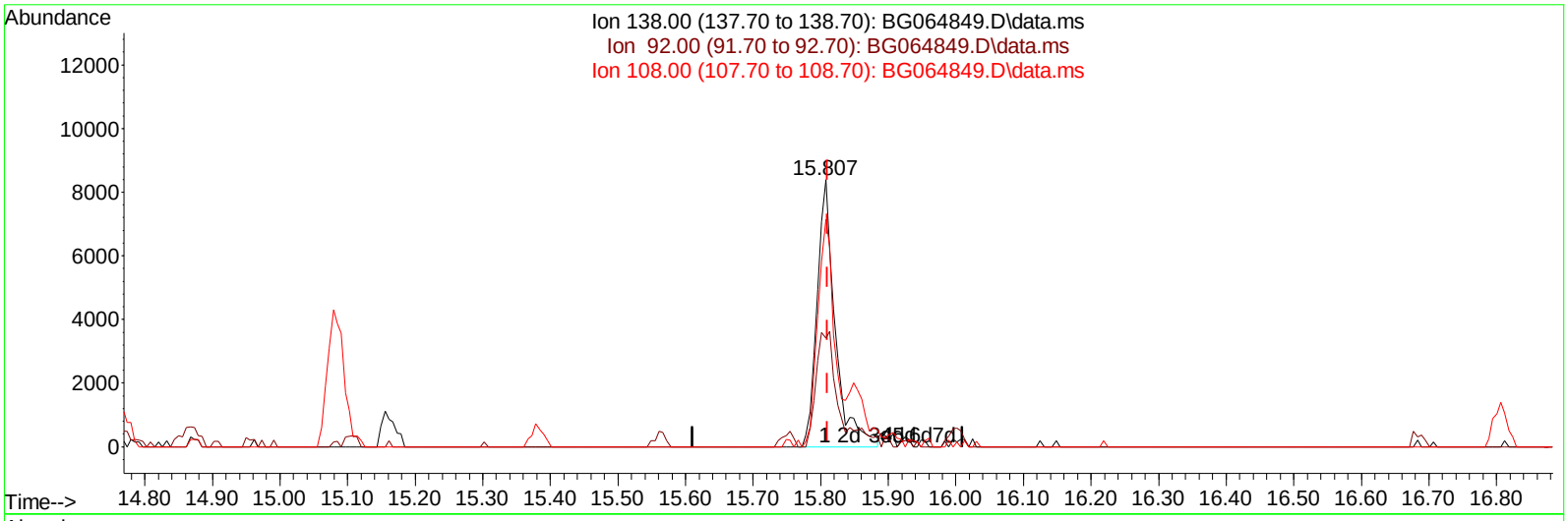
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

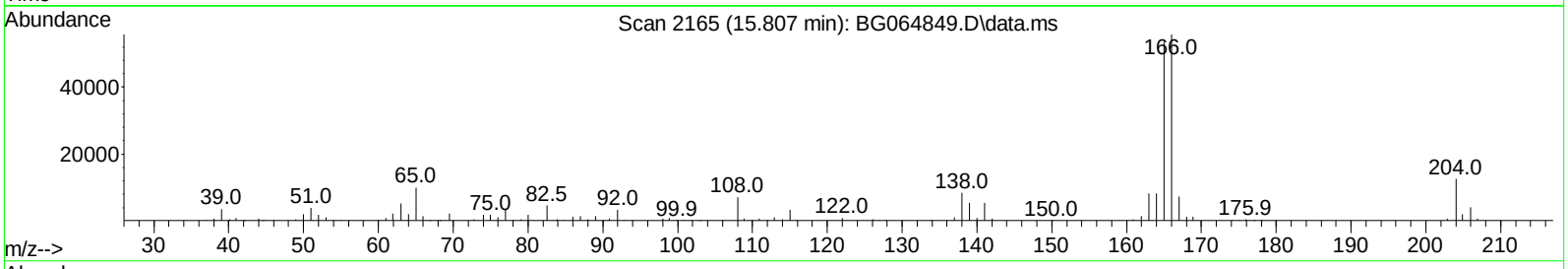
Quant Time: Nov 25 10:05:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

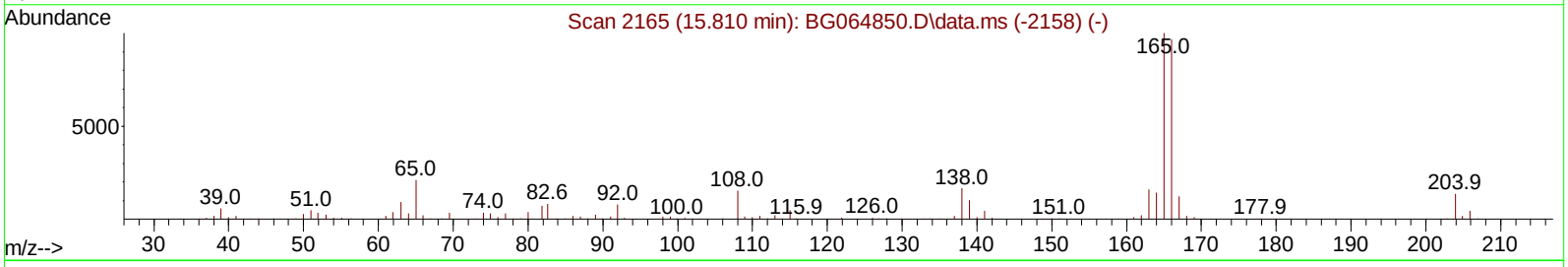
Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064849.D\data.ms

(63) 4-Nitroaniline

15.807min (-0.003) 10.48 ng/ul m

response 15757

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	49.10	40.72
108.00	92.30	85.24
0.00	0.00	0.00

Quantitation Report (Qedit)

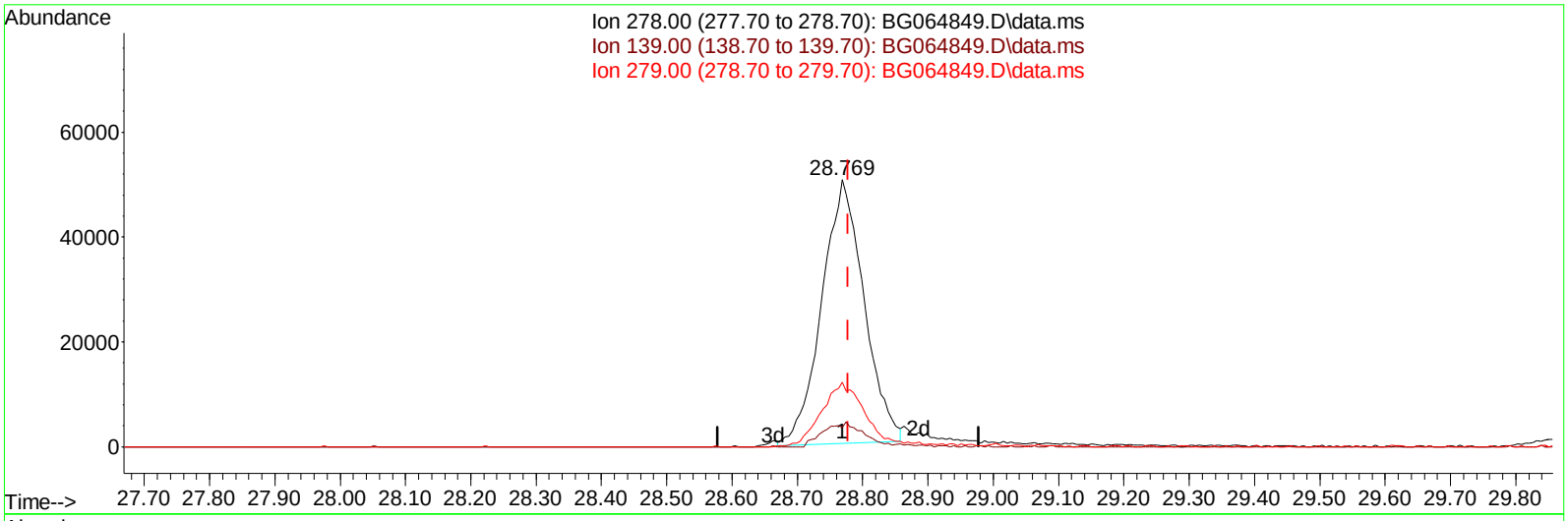
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

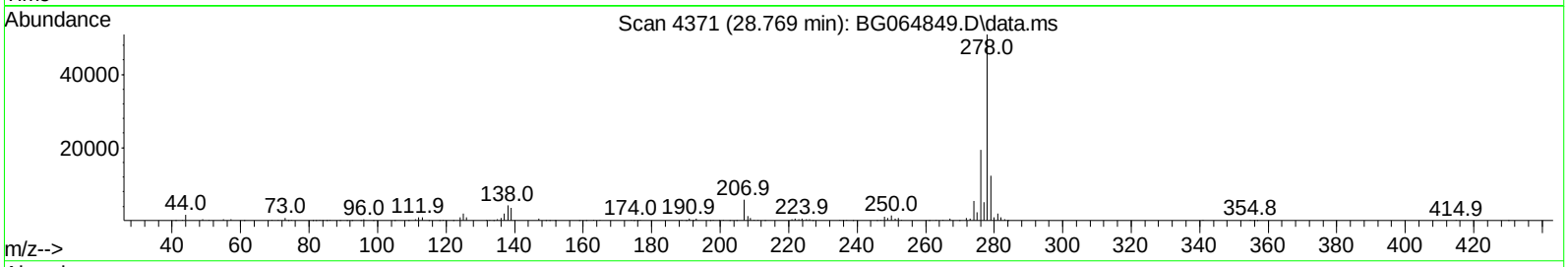
Quant Time: Nov 25 10:05:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

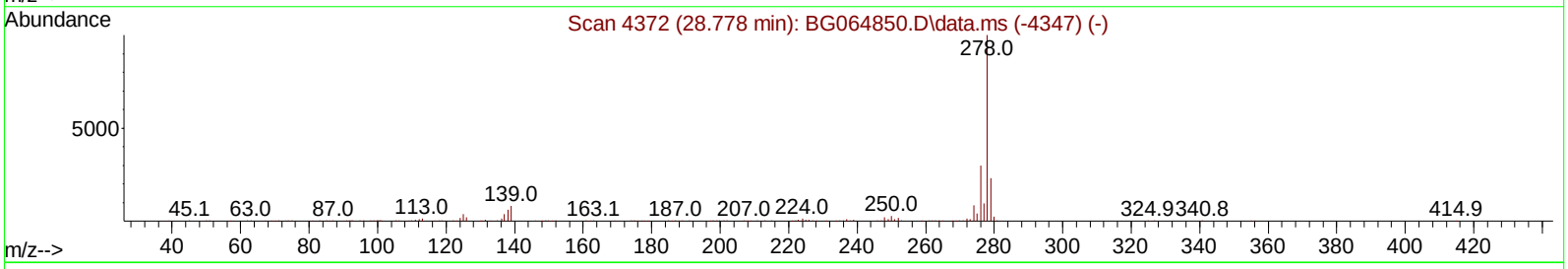
Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064849.D\data.ms

(95) Dibenzo(a,h)anthracene

28.769min (-0.009) 9.55 ng/ul

response 226234

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.20	7.23
279.00	23.20	24.18
0.00	0.00	0.00

Quantitation Report (Qedit)

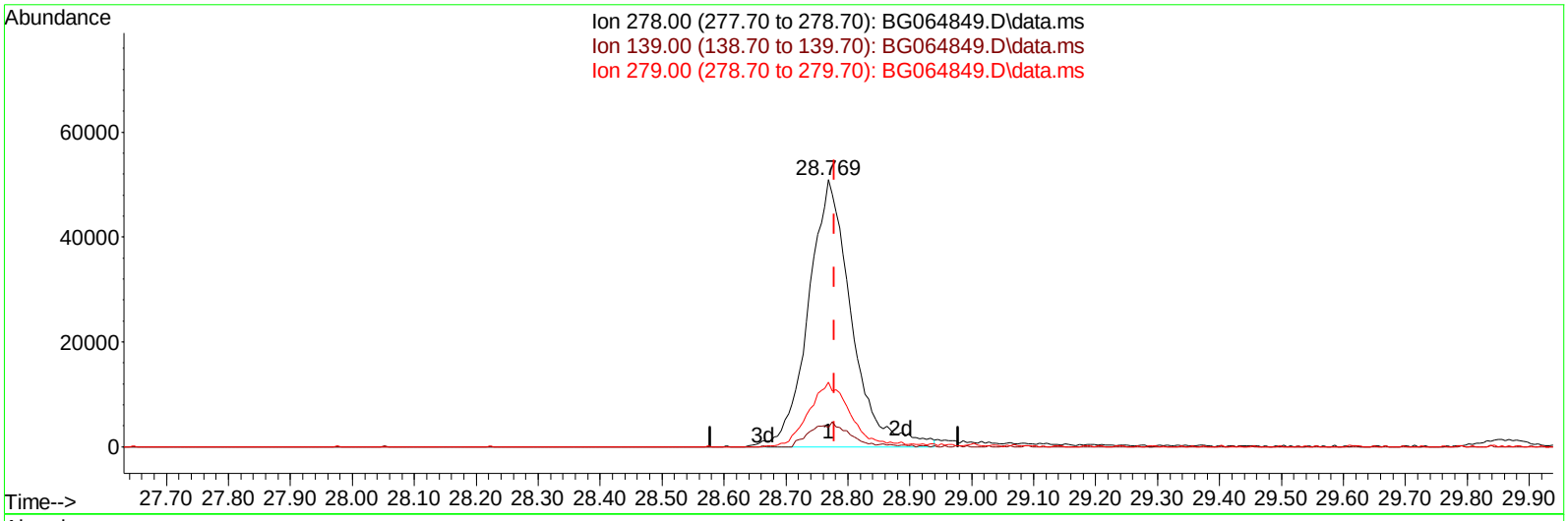
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

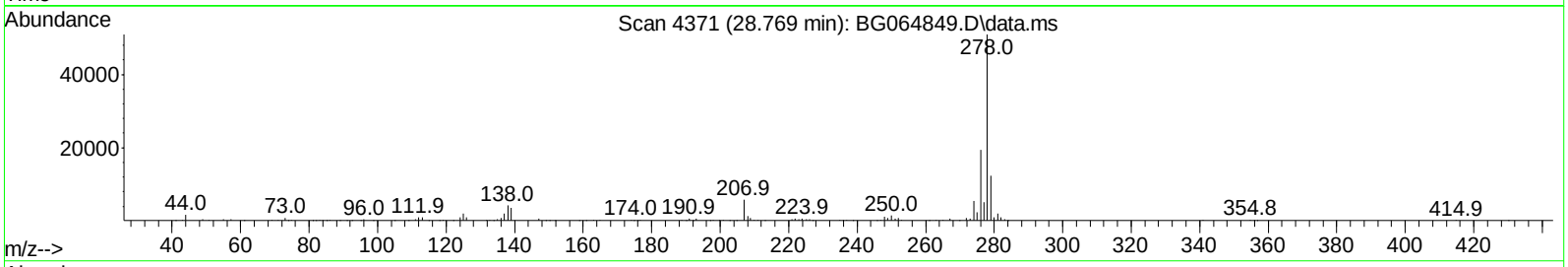
Quant Time: Nov 25 10:05:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

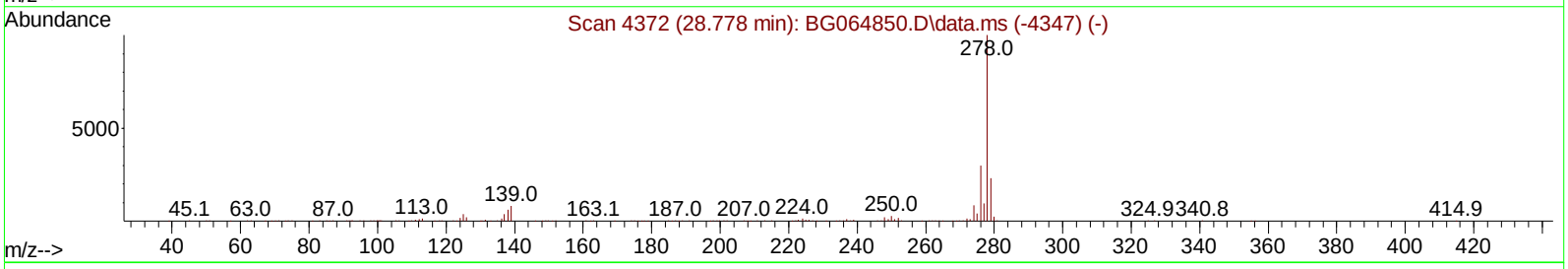
Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064849.D\data.ms

(95) Dibenzo(a,h)anthracene

28.769min (-0.009) 10.34 ng/ul m

response 244870

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.20	7.23
279.00	23.20	24.18
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 10:08:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	31363	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	129609	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.767	164	109589	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	278419	20.000	ng/ul	0.00
79) Chrysene-d12	21.742	240	366513	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	405465	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	3300	5.170	ng/uL	0.00
4) Pyridine-d5	3.910	84	19667	10.619	ng/ul	0.00
7) Phenol-d5	7.300	99	22252	8.648	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	15206	10.816	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	18914	9.341	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	19353	8.354	ng/ul	0.00
21) Nitrobenzene-d5	9.321	128	9130	8.945	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	9911	7.993	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.590	165	21368	9.147	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	28055	8.945	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	84441	8.803	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	89989	9.538	ng/ul	0.00
54) 4-Nitrophenol-d4	14.938	143	10166m	6.911	ng/ul	0.00
60) Fluorene-d10	15.749	176	75617	9.560	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.854	200	12752	6.658	ng/ul	0.00
73) Anthracene-d10	17.594	188	143260	10.302	ng/ul	0.00
81) Pyrene-d10	19.862	212	186820	9.170	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.762	264	208969	9.944	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.522	88	3704	5.113	ng/uL	95
5) Pyridine	3.933	79	22431	11.573	ng/ul	98
6) Benzaldehyde	7.282	77	16033	13.137	ng/ul	92
8) Phenol	7.323	94	23128	8.752	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.564	93	18471	9.921	ng/ul	94
12) 2-Chlorophenol	7.717	128	19181	9.101	ng/ul	91
13) 2-Methylphenol	8.586	108	18908	8.710	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.686	45	39427	11.133	ng/ul	98
16) Acetophenone	8.980	105	33607	9.076	ng/ul	88
17) N-Nitroso-di-n-propyla...	8.951	70	16374	9.339	ng/ul	89
18) 4-Methylphenol	8.916	108	20170	8.531	ng/ul	86
19) Hexachloroethane	9.250	117	9149	9.790	ng/ul#	77
22) Nitrobenzene	9.356	77	24527	9.671	ng/ul	95
23) Isophorone	9.879	82	46352	9.478	ng/ul	99
25) 2-Nitrophenol	10.079	139	11188	9.462	ng/ul#	82
26) 2,4-Dimethylphenol	10.126	107	24630	9.186	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.361	93	25572	10.078	ng/ul	99
29) 2,4-Dichlorophenol	10.614	162	20683	9.615	ng/ul	97
30) Naphthalene	11.025	128	72345	10.028	ng/ul	100
32) 4-Chloroaniline	11.125	127	28557	9.197	ng/ul	99
33) Hexachlorobutadiene	11.313	225	23284	11.677	ng/ul	92
34) Caprolactam	11.865	113	7219m	8.615	ng/ul	
35) 4-Chloro-3-methylphenol	12.229	107	22429	8.670	ng/ul	95

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 10:08:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.617	142	54410	9.979	ng/ul	97
37) 1-Methylnaphthalene	12.834	142	54225	10.024	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.981	216	41534	11.460	ng/ul	95
40) Hexachlorocyclopentadiene	12.964	237	24547	9.710	ng/ul	99
41) 2,4,6-Trichlorophenol	13.210	196	21147	9.336	ng/ul	95
42) 2,4,5-Trichlorophenol	13.281	196	21499	8.922	ng/ul	96
43) 1,1'-Biphenyl	13.610	154	75242	9.310	ng/ul	99
44) 2-Chloronaphthalene	13.651	162	59233	9.943	ng/ul	96
45) 2-Nitroaniline	13.845	65	17021	8.215	ng/ul	94
47) Dimethylphthalate	14.209	163	86095	9.472	ng/ul	98
48) 2,6-Dinitrotoluene	14.327	165	14838	8.659	ng/ul	97
50) Acenaphthylene	14.491	152	104471	10.160	ng/ul	98
51) 3-Nitroaniline	14.656	138	13295	9.043	ng/ul	84
52) Acenaphthene	14.832	153	69482	10.040	ng/ul	97
53) 2,4-Dinitrophenol	14.867	184	4983	4.564	ng/ul#	88
55) 4-Nitrophenol	14.950	109	9314	5.026	ng/ul#	84
56) Dibenzofuran	15.161	168	104591	10.112	ng/ul	97
57) 2,4-Dinitrotoluene	15.108	165	22960	8.367	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.384	232	25488	9.842	ng/ul	95
59) Diethylphthalate	15.561	149	86404	8.901	ng/ul	99
61) Fluorene	15.807	166	82580	9.606	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.796	204	50607	10.824	ng/ul	97
63) 4-Nitroaniline	15.807	138	15757m	10.480	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.866	198	12848	6.656	ng/ul#	97
67) N-Nitrosodiphenylamine	16.001	169	74183	9.754	ng/ul	99
68) 4-Bromophenyl-phenylether	16.683	248	35694	10.680	ng/ul	96
69) Hexachlorobenzene	16.806	284	45189	11.798	ng/ul	96
70) Atrazine	16.936	200	35446	9.547	ng/ul	97
71) Pentachlorophenol	17.147	266	18999	7.996	ng/ul	86
72) Phenanthrene	17.535	178	157106	10.275	ng/ul	98
74) Anthracene	17.629	178	155780	10.025	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.581	216	38907	10.123	ng/ul	98
76) Pentachlorobenzene	15.085	250	46558	10.923	ng/ul	94
77) Carbazole	17.887	167	128285	9.649	ng/ul	98
78) Di-n-butylphthalate	18.440	149	149690	9.175	ng/ul	99
80) Fluoranthene	19.532	202	210606	9.125	ng/ul	98
82) Pyrene	19.891	202	221265	9.281	ng/ul	97
83) Butylbenzylphthalate	20.760	149	72323	8.021	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.630	252	79989	10.272	ng/ul	97
85) Benzo(a)anthracene	21.724	228	247616	10.049	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.624	149	105066	8.064	ng/ul	97
87) Chrysene	21.789	228	238689	10.187	ng/ul	98
89) Di-n-octyl phthalate	22.840	149	183042	8.251	ng/ul	100
90) Benzo(b)fluoranthene	23.957	252	246526	10.007	ng/ul	97
91) Benzo(k)fluoranthene	24.021	252	251375	10.223	ng/ul	97
93) Benzo(a)pyrene	24.838	252	235592	10.294	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.704	276	298381	10.096	ng/ul	97
95) Dibenzo(a,h)anthracene	28.769	278	244870m	10.342	ng/ul	
96) Benzo(g,h,i)perylene	29.867	276	248794	10.392	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

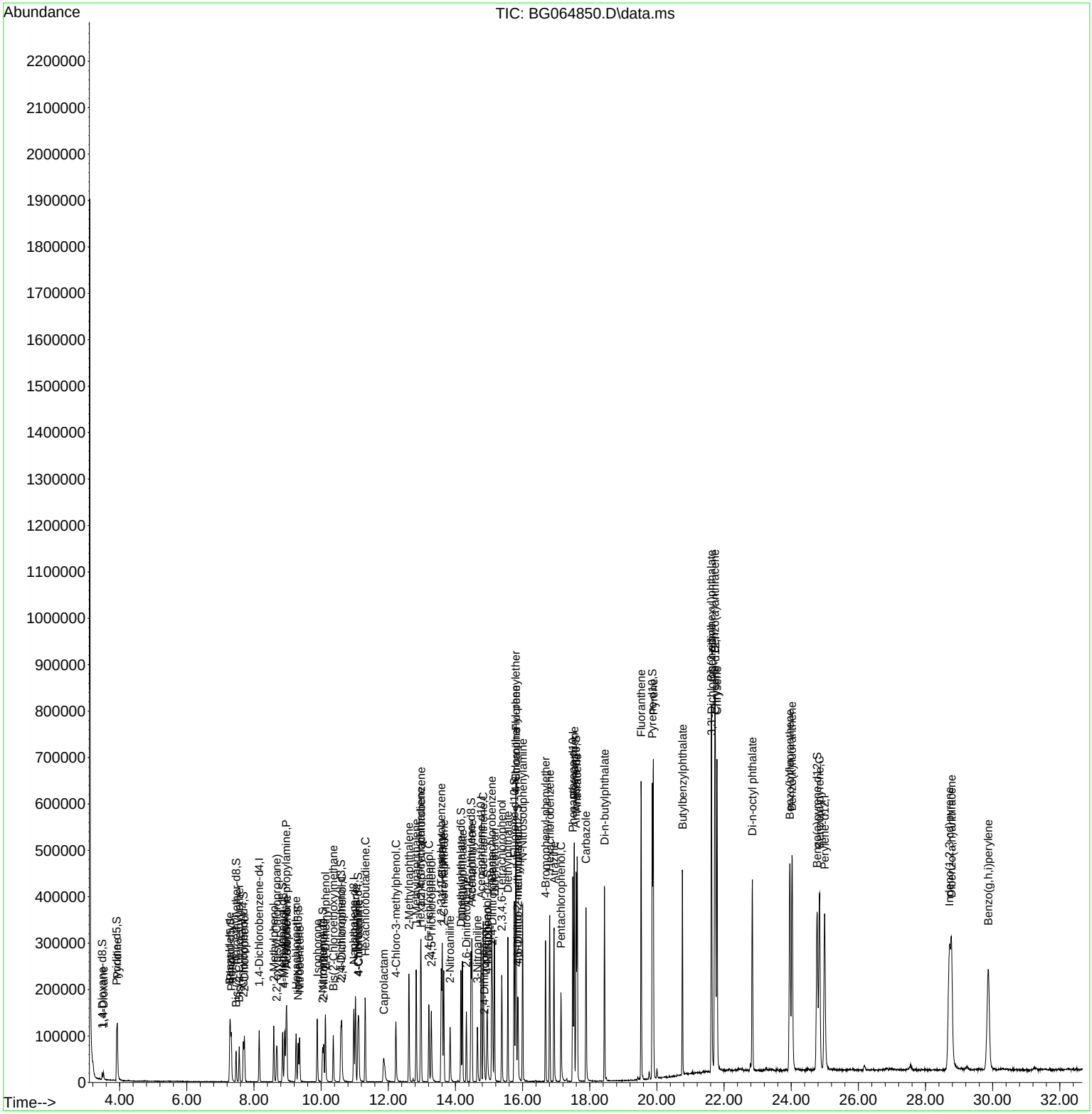
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Data File : BG064850.D
Acq On : 24 Nov 2025 15:26
Operator : RC/JU
Sample : SSTD02021
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 09:59:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020421

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
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BNA_G
ClientSampleId :
SSTD020421

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	32413	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	132732	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.765	164	115189	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	298932	20.000	ng/ul	0.00
79) Chrysene-d12	21.745	240	372521	20.000	ng/ul	0.00
88) Perylene-d12	24.994	264	410052	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	6476	9.817	ng/uL	0.00
4) Pyridine-d5	3.913	84	46729	24.413	ng/ul	0.00
7) Phenol-d5	7.297	99	52180	19.622	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	33562	23.099	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	41481	19.823	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	43460	18.151	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	20781	19.881	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	25085	19.754	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	50734	21.206	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	62016	19.308	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	186057	18.453	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	199802	20.149	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	27104	17.530	ng/ul	0.00
60) Fluorene-d10	15.752	176	166559	20.034	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	35112	17.074	ng/ul	0.00
73) Anthracene-d10	17.591	188	307428	20.591	ng/ul	0.00
81) Pyrene-d10	19.865	212	395883	19.118	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	441300	20.765	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.519	88	7882	10.528	ng/uL	100
5) Pyridine	3.930	79	49297	24.610	ng/ul	100
6) Benzaldehyde	7.279	77	34414	27.284	ng/ul	100
8) Phenol	7.326	94	53894	19.733	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.561	93	40005	20.791	ng/ul	100
12) 2-Chlorophenol	7.714	128	43127	19.800	ng/ul	100
13) 2-Methylphenol	8.590	108	41882	18.668	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.678	45	85604	23.388	ng/ul	100
16) Acetophenone	8.977	105	73131	19.110	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.960	70	36154	19.953	ng/ul	100
18) 4-Methylphenol	8.913	108	48151	19.707	ng/ul	100
19) Hexachloroethane	9.253	117	18185	18.828	ng/ul	100
22) Nitrobenzene	9.359	77	53495	20.598	ng/ul	100
23) Isophorone	9.888	82	103714	20.708	ng/ul	100
25) 2-Nitrophenol	10.076	139	25551	21.101	ng/ul	100
26) 2,4-Dimethylphenol	10.129	107	55542	20.227	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.364	93	58384	22.467	ng/ul	100
29) 2,4-Dichlorophenol	10.617	162	48061	21.817	ng/ul	100
30) Naphthalene	11.022	128	157945	21.378	ng/ul	100
32) 4-Chloroaniline	11.122	127	64174	20.182	ng/ul	100
33) Hexachlorobutadiene	11.316	225	49900	24.437	ng/ul	100
34) Caprolactam	11.868	113	17103m	19.929	ng/ul	
35) 4-Chloro-3-methylphenol	12.226	107	52787	19.926	ng/ul	100
36) 2-Methylnaphthalene	12.614	142	119017	21.314	ng/ul	100

Quantitation Report (QT Reviewed)

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Operator : RC/JU
Sample : SSTD02021
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 09:59:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020421

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.832	142	116625	21.053	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.978	216	90144	23.663	ng/ul	100
40) Hexachlorocyclopentadiene	12.961	237	57748	21.734	ng/ul	100
41) 2,4,6-Trichlorophenol	13.208	196	50847	21.356	ng/ul	100
42) 2,4,5-Trichlorophenol	13.284	196	53369	21.071	ng/ul	100
43) 1,1'-Biphenyl	13.607	154	167034	19.663	ng/ul	100
44) 2-Chloronaphthalene	13.654	162	129440	20.671	ng/ul	100
45) 2-Nitroaniline	13.842	65	38215	17.547	ng/ul	100
47) Dimethylphthalate	14.212	163	188907	19.774	ng/ul	100
48) 2,6-Dinitrotoluene	14.324	165	35367	19.635	ng/ul	100
50) Acenaphthylene	14.494	152	229004	21.189	ng/ul	100
51) 3-Nitroaniline	14.653	138	33309	21.555	ng/ul	100
52) Acenaphthene	14.829	153	149789	20.591	ng/ul	100
53) 2,4-Dinitrophenol	14.865	184	15125	13.180	ng/ul	100
55) 4-Nitrophenol	14.953	109	25492	13.087	ng/ul	100
56) Dibenzofuran	15.164	168	228090	20.980	ng/ul	100
57) 2,4-Dinitrotoluene	15.105	165	53674	18.608	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.382	232	62243	22.867	ng/ul	100
59) Diethylphthalate	15.564	149	188185	18.444	ng/ul	100
61) Fluorene	15.805	166	178299	19.733	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.793	204	109058	22.192	ng/ul	100
63) 4-Nitroaniline	15.810	138	34213	21.649	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.869	198	33417	16.125	ng/ul	100
67) N-Nitrosodiphenylamine	16.004	169	164976	20.204	ng/ul	100
68) 4-Bromophenyl-phenylether	16.686	248	80774	22.509	ng/ul	100
69) Hexachlorobenzene	16.809	284	96194	23.391	ng/ul	100
70) Atrazine	16.939	200	77883	19.538	ng/ul	100
71) Pentachlorophenol	17.144	266	49701	19.483	ng/ul	100
72) Phenanthrene	17.538	178	344595	20.990	ng/ul	100
74) Anthracene	17.626	178	348948	20.915	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.578	216	88423	21.429	ng/ul	100
76) Pentachlorobenzene	15.082	250	102729	22.447	ng/ul	100
77) Carbazole	17.890	167	284372	19.920	ng/ul	100
78) Di-n-butylphthalate	18.443	149	326715	18.651	ng/ul	100
80) Fluoranthene	19.530	202	450086	19.187	ng/ul	100
82) Pyrene	19.894	202	469554	19.378	ng/ul	100
83) Butylbenzylphthalate	20.763	149	150335	16.405	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.633	252	178793	22.591	ng/ul	100
85) Benzo(a)anthracene	21.727	228	512597	20.467	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.621	149	224758	16.972	ng/ul	100
87) Chrysene	21.792	228	493312	20.714	ng/ul	100
89) Di-n-octyl phthalate	22.843	149	387575	17.276	ng/ul	100
90) Benzo(b)fluoranthene	23.960	252	521681	20.939	ng/ul	100
91) Benzo(k)fluoranthene	24.024	252	524958	21.110	ng/ul	100
93) Benzo(a)pyrene	24.847	252	485619	20.980	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.713	276	624240m	20.885	ng/ul	
95) Dibenzo(a,h)anthracene	28.778	278	497296	20.768	ng/ul	100
96) Benzo(g,h,i)perylene	29.870	276	500786	20.684	ng/ul	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

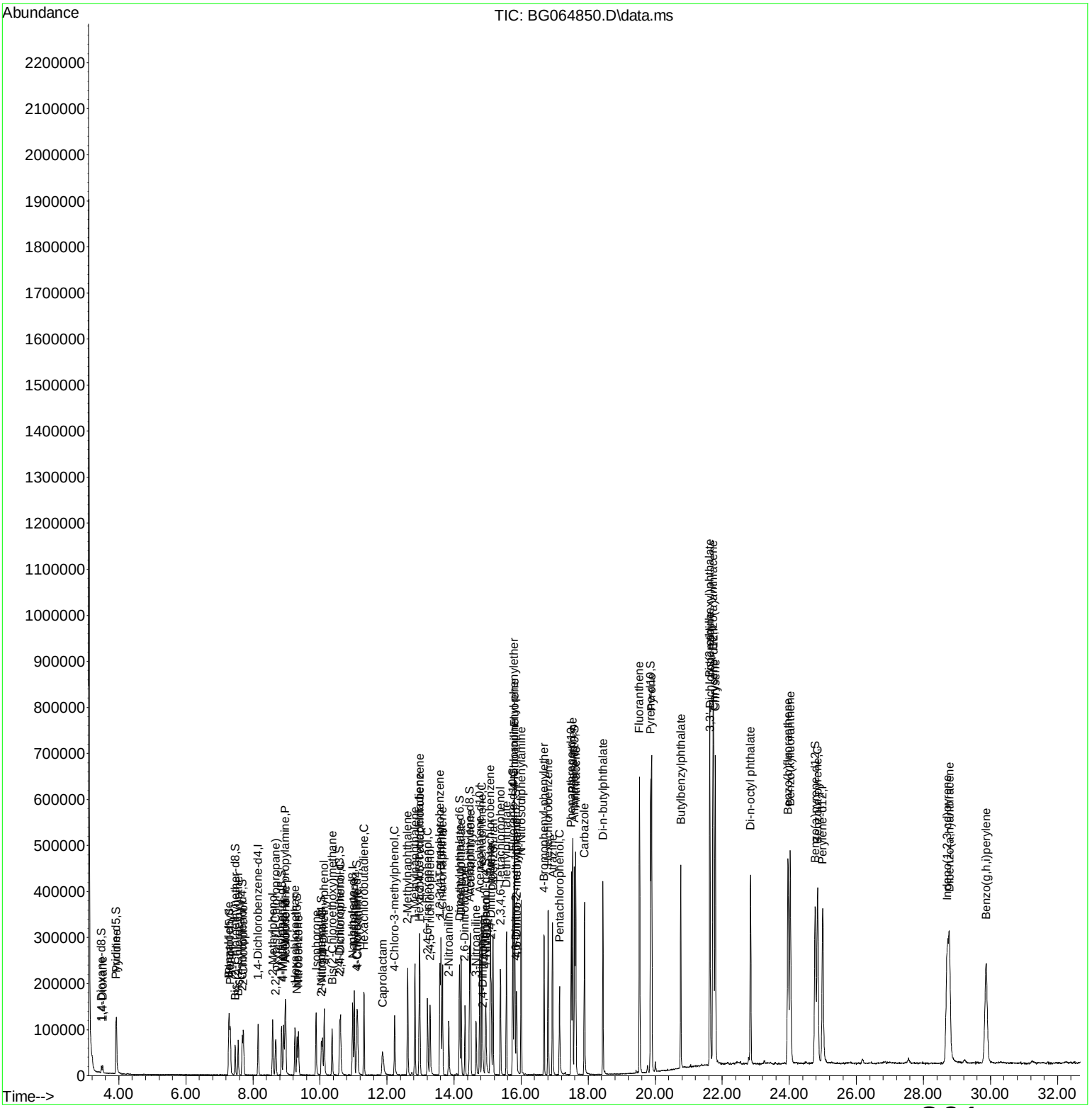
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Data File : BG064850.D
Acq On : 24 Nov 2025 15:26
Operator : RC/JU
Sample : SSTD02021
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 09:59:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020421

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (Qedit)

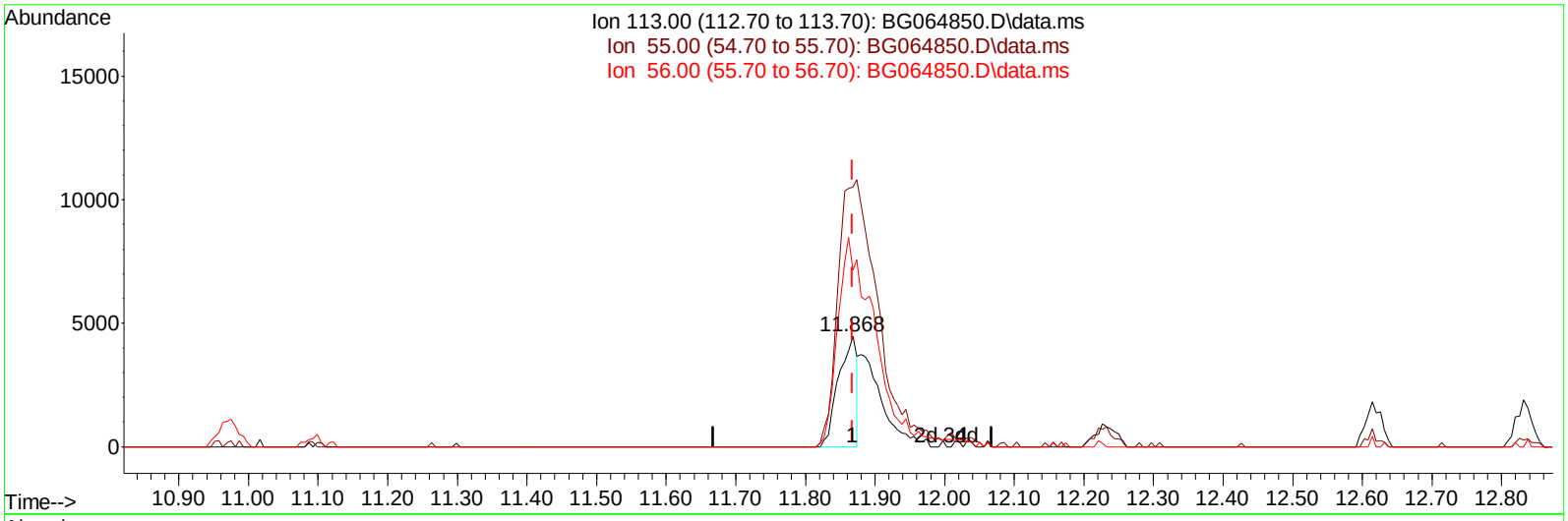
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Acq On : 24 Nov 2025 15:26
Operator : RC/JU
Sample : SSTD02021
Misc :
ALS Vial : 4 Sample Multiplier: 1

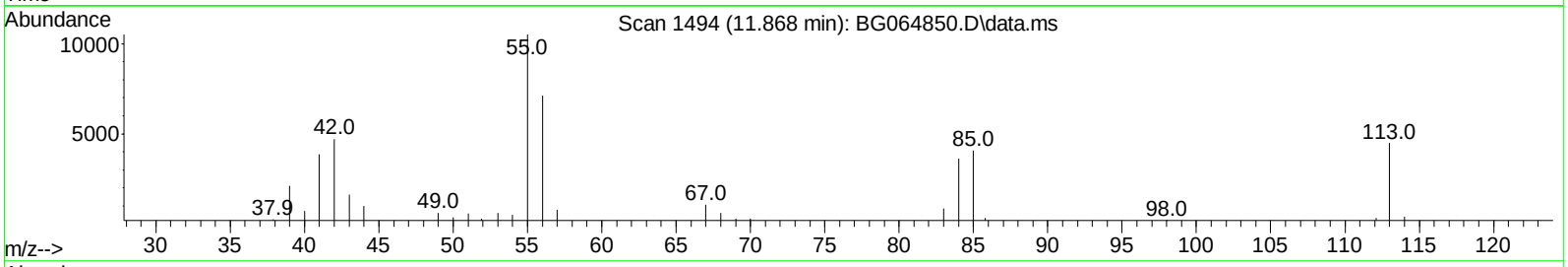
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

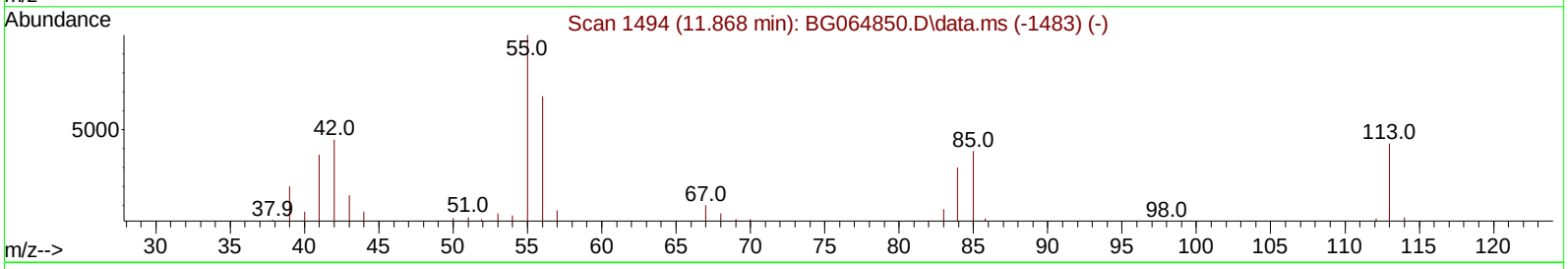
Instrument :
BNA_G
ClientSampleId :
SSTD020421

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064850.D\data.ms

(34) Caprolactam

11.868min (+ 0.000) 9.66 ng/ul

response 8286

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	234.92
56.00	159.40	159.39
0.00	0.00	0.00

Quantitation Report (Qedit)

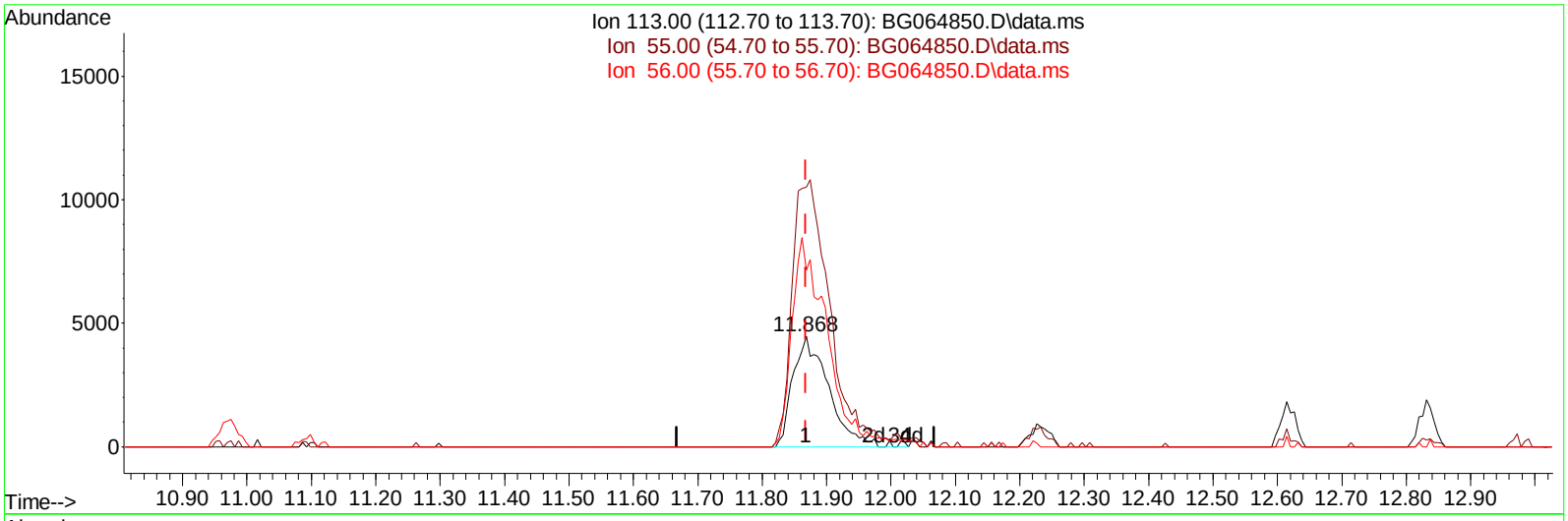
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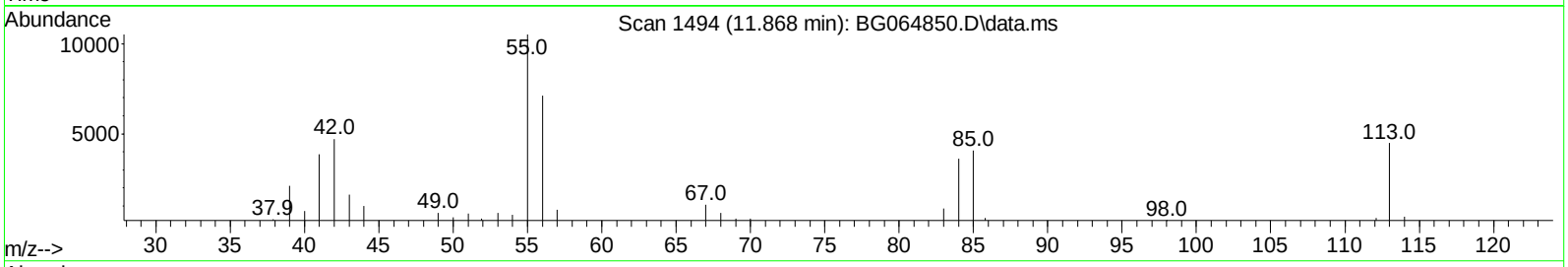
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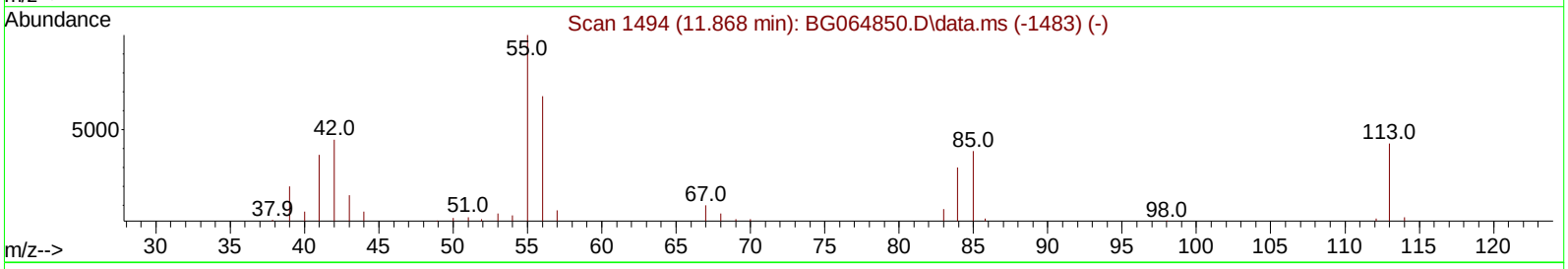
Instrument :
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Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064850.D\data.ms

(34) Caprolactam

11.868min (+ 0.000) 19.93 ng/ul m

response 17103

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	234.92
56.00	159.40	159.39
0.00	0.00	0.00

Quantitation Report (Qedit)

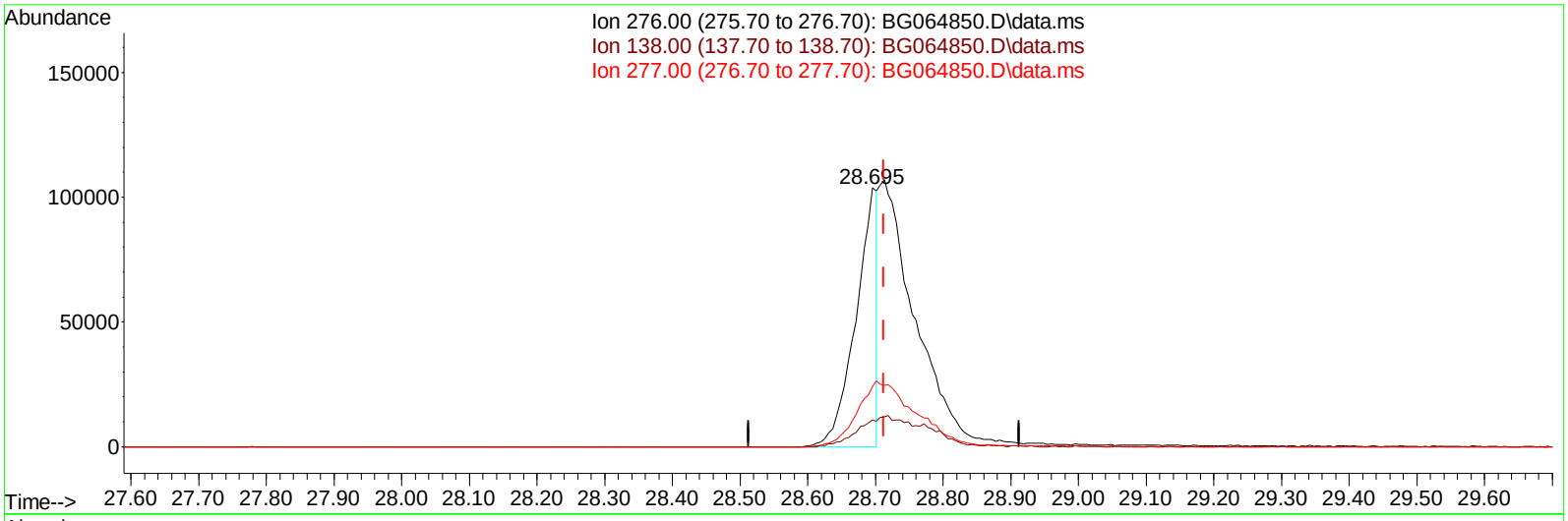
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Operator : RC/JU
Sample : SSTD02021
Misc :
ALS Vial : 4 Sample Multiplier: 1

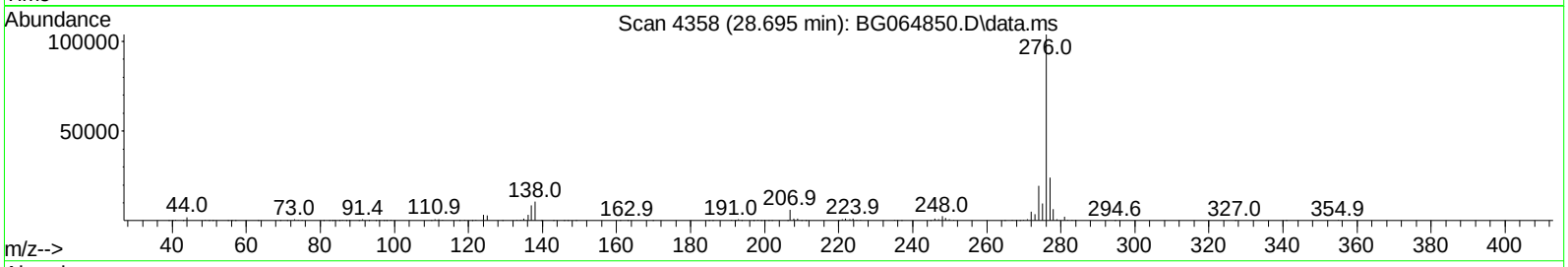
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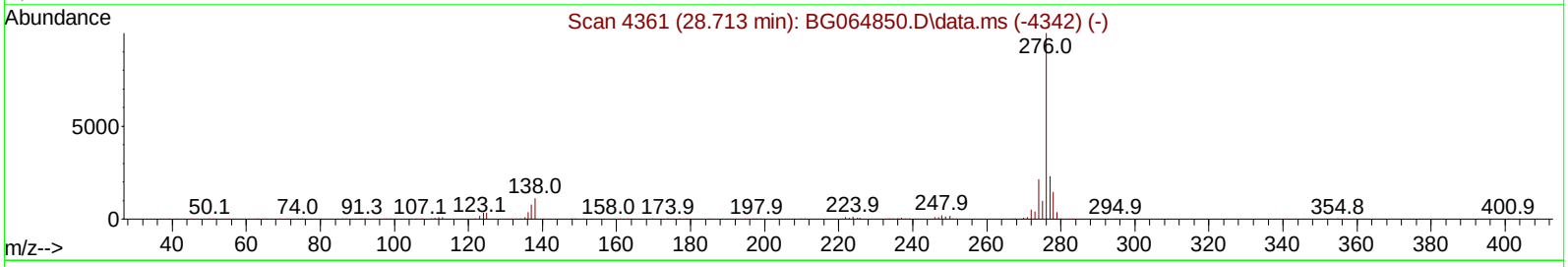
Instrument :
BNA_G
ClientSampleId :
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Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064850.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.695min (-0.018) 7.60 ng/ul

response 227256

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.20	10.25
277.00	23.10	23.31
0.00	0.00	0.00

Quantitation Report (Qedit)

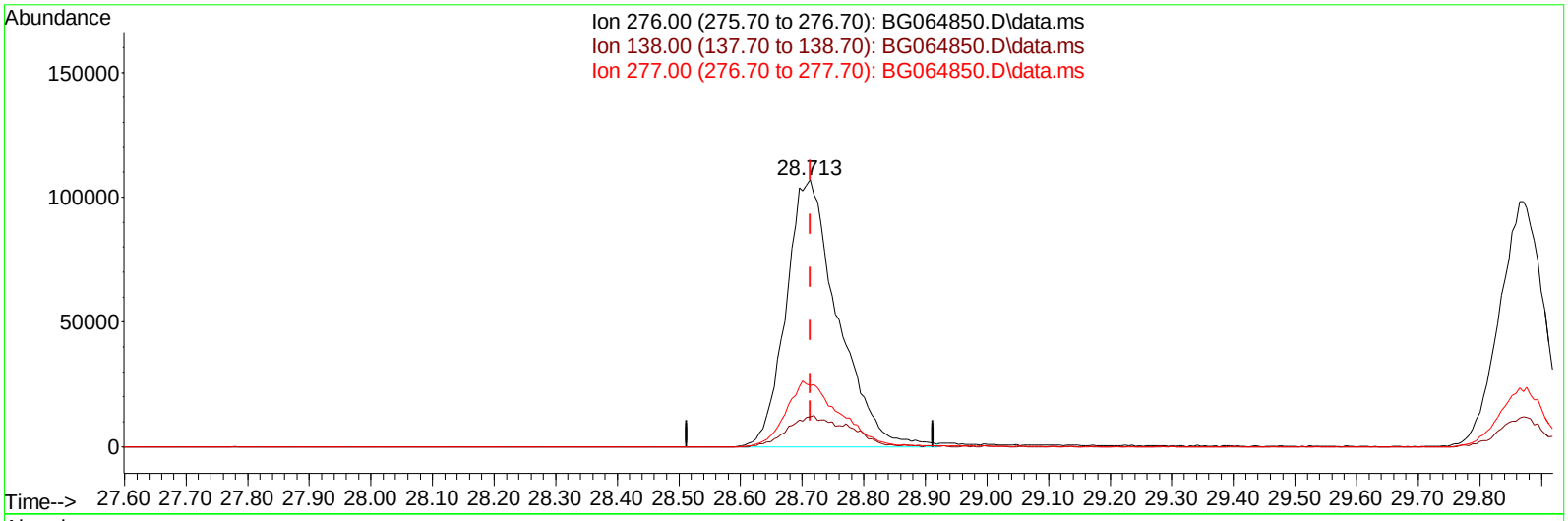
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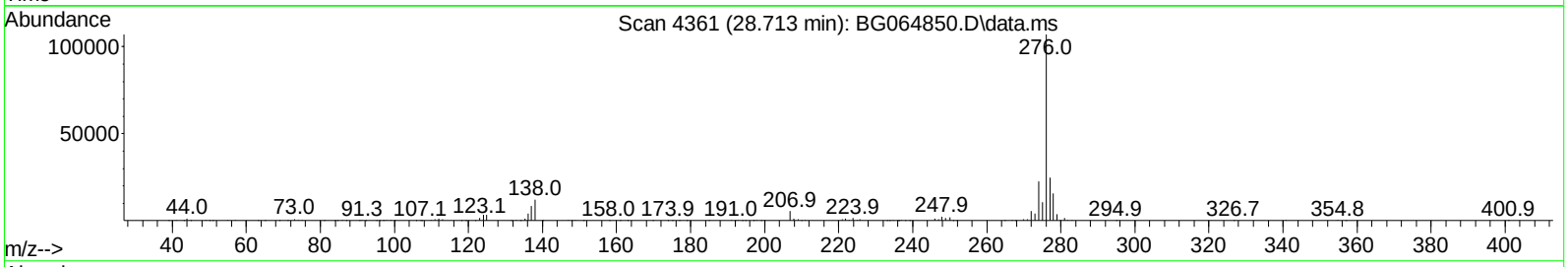
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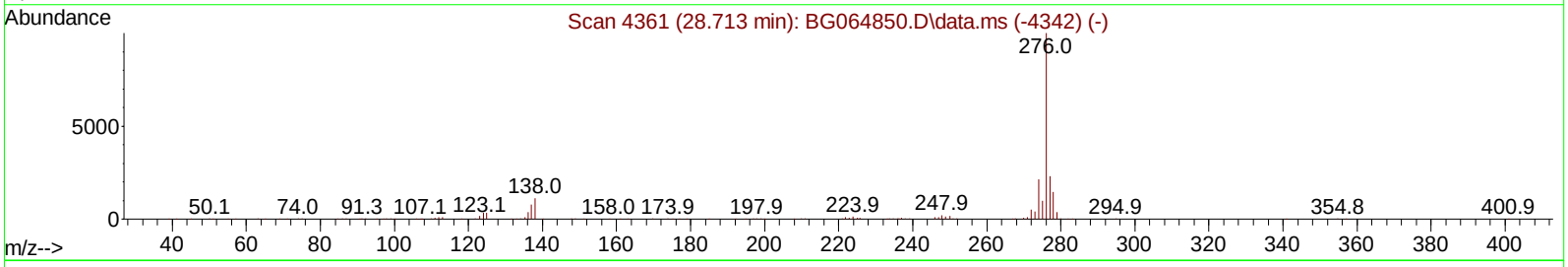
Instrument :
BNA_G
ClientSampleId :
SSTD020421

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064850.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.713min (-0.000) 20.88 ng/ul m

response 624240

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.20	11.17
277.00	23.10	23.07
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064850.D
Acq On : 24 Nov 2025 15:26
Operator : RC/JU
Sample : SSTD02021
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 09:59:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020421

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	32413	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	132732	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.765	164	115189	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	298932	20.000	ng/ul	0.00
79) Chrysene-d12	21.745	240	372521	20.000	ng/ul	0.00
88) Perylene-d12	24.994	264	410052	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	6476	9.817	ng/uL	0.00
4) Pyridine-d5	3.913	84	46729	24.413	ng/ul	0.00
7) Phenol-d5	7.297	99	52180	19.622	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	33562	23.099	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	41481	19.823	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	43460	18.151	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	20781	19.881	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	25085	19.754	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	50734	21.206	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	62016	19.308	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	186057	18.453	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	199802	20.149	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	27104	17.530	ng/ul	0.00
60) Fluorene-d10	15.752	176	166559	20.034	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	35112	17.074	ng/ul	0.00
73) Anthracene-d10	17.591	188	307428	20.591	ng/ul	0.00
81) Pyrene-d10	19.865	212	395883	19.118	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	441300	20.765	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.519	88	7882	10.528	ng/uL	100
5) Pyridine	3.930	79	49297	24.610	ng/ul	100
6) Benzaldehyde	7.279	77	34414	27.284	ng/ul	100
8) Phenol	7.326	94	53894	19.733	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.561	93	40005	20.791	ng/ul	100
12) 2-Chlorophenol	7.714	128	43127	19.800	ng/ul	100
13) 2-Methylphenol	8.590	108	41882	18.668	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.678	45	85604	23.388	ng/ul	100
16) Acetophenone	8.977	105	73131	19.110	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.960	70	36154	19.953	ng/ul	100
18) 4-Methylphenol	8.913	108	48151	19.707	ng/ul	100
19) Hexachloroethane	9.253	117	18185	18.828	ng/ul	100
22) Nitrobenzene	9.359	77	53495	20.598	ng/ul	100
23) Isophorone	9.888	82	103714	20.708	ng/ul	100
25) 2-Nitrophenol	10.076	139	25551	21.101	ng/ul	100
26) 2,4-Dimethylphenol	10.129	107	55542	20.227	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.364	93	58384	22.467	ng/ul	100
29) 2,4-Dichlorophenol	10.617	162	48061	21.817	ng/ul	100
30) Naphthalene	11.022	128	157945	21.378	ng/ul	100
32) 4-Chloroaniline	11.122	127	64174	20.182	ng/ul	100
33) Hexachlorobutadiene	11.316	225	49900	24.437	ng/ul	100
34) Caprolactam	11.868	113	17103m	19.929	ng/ul	
35) 4-Chloro-3-methylphenol	12.226	107	52787	19.926	ng/ul	100

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064850.D
Acq On : 24 Nov 2025 15:26
Operator : RC/JU
Sample : SSTD02021
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 09:59:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020421

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.614	142	119017	21.314	ng/ul	100
37) 1-Methylnaphthalene	12.832	142	116625	21.053	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.978	216	90144	23.663	ng/ul	100
40) Hexachlorocyclopentadiene	12.961	237	57748	21.734	ng/ul	100
41) 2,4,6-Trichlorophenol	13.208	196	50847	21.356	ng/ul	100
42) 2,4,5-Trichlorophenol	13.284	196	53369	21.071	ng/ul	100
43) 1,1'-Biphenyl	13.607	154	167034	19.663	ng/ul	100
44) 2-Chloronaphthalene	13.654	162	129440	20.671	ng/ul	100
45) 2-Nitroaniline	13.842	65	38215	17.547	ng/ul	100
47) Dimethylphthalate	14.212	163	188907	19.774	ng/ul	100
48) 2,6-Dinitrotoluene	14.324	165	35367	19.635	ng/ul	100
50) Acenaphthylene	14.494	152	229004	21.189	ng/ul	100
51) 3-Nitroaniline	14.653	138	33309	21.555	ng/ul	100
52) Acenaphthene	14.829	153	149789	20.591	ng/ul	100
53) 2,4-Dinitrophenol	14.865	184	15125	13.180	ng/ul	100
55) 4-Nitrophenol	14.953	109	25492	13.087	ng/ul	100
56) Dibenzofuran	15.164	168	228090	20.980	ng/ul	100
57) 2,4-Dinitrotoluene	15.105	165	53674	18.608	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.382	232	62243	22.867	ng/ul	100
59) Diethylphthalate	15.564	149	188185	18.444	ng/ul	100
61) Fluorene	15.805	166	178299	19.733	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.793	204	109058	22.192	ng/ul	100
63) 4-Nitroaniline	15.810	138	34213	21.649	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.869	198	33417	16.125	ng/ul	100
67) N-Nitrosodiphenylamine	16.004	169	164976	20.204	ng/ul	100
68) 4-Bromophenyl-phenylether	16.686	248	80774	22.509	ng/ul	100
69) Hexachlorobenzene	16.809	284	96194	23.391	ng/ul	100
70) Atrazine	16.939	200	77883	19.538	ng/ul	100
71) Pentachlorophenol	17.144	266	49701	19.483	ng/ul	100
72) Phenanthrene	17.538	178	344595	20.990	ng/ul	100
74) Anthracene	17.626	178	348948	20.915	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.578	216	88423	21.429	ng/ul	100
76) Pentachlorobenzene	15.082	250	102729	22.447	ng/ul	100
77) Carbazole	17.890	167	284372	19.920	ng/ul	100
78) Di-n-butylphthalate	18.443	149	326715	18.651	ng/ul	100
80) Fluoranthene	19.530	202	450086	19.187	ng/ul	100
82) Pyrene	19.894	202	469554	19.378	ng/ul	100
83) Butylbenzylphthalate	20.763	149	150335	16.405	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.633	252	178793	22.591	ng/ul	100
85) Benzo(a)anthracene	21.727	228	512597	20.467	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.621	149	224758	16.972	ng/ul	100
87) Chrysene	21.792	228	493312	20.714	ng/ul	100
89) Di-n-octyl phthalate	22.843	149	387575	17.276	ng/ul	100
90) Benzo(b)fluoranthene	23.960	252	521681	20.939	ng/ul	100
91) Benzo(k)fluoranthene	24.024	252	524958	21.110	ng/ul	100
93) Benzo(a)pyrene	24.847	252	485619	20.980	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.713	276	624240m	20.885	ng/ul	
95) Dibenzo(a,h)anthracene	28.778	278	497296	20.768	ng/ul	100
96) Benzo(g,h,i)perylene	29.870	276	500786	20.684	ng/ul	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

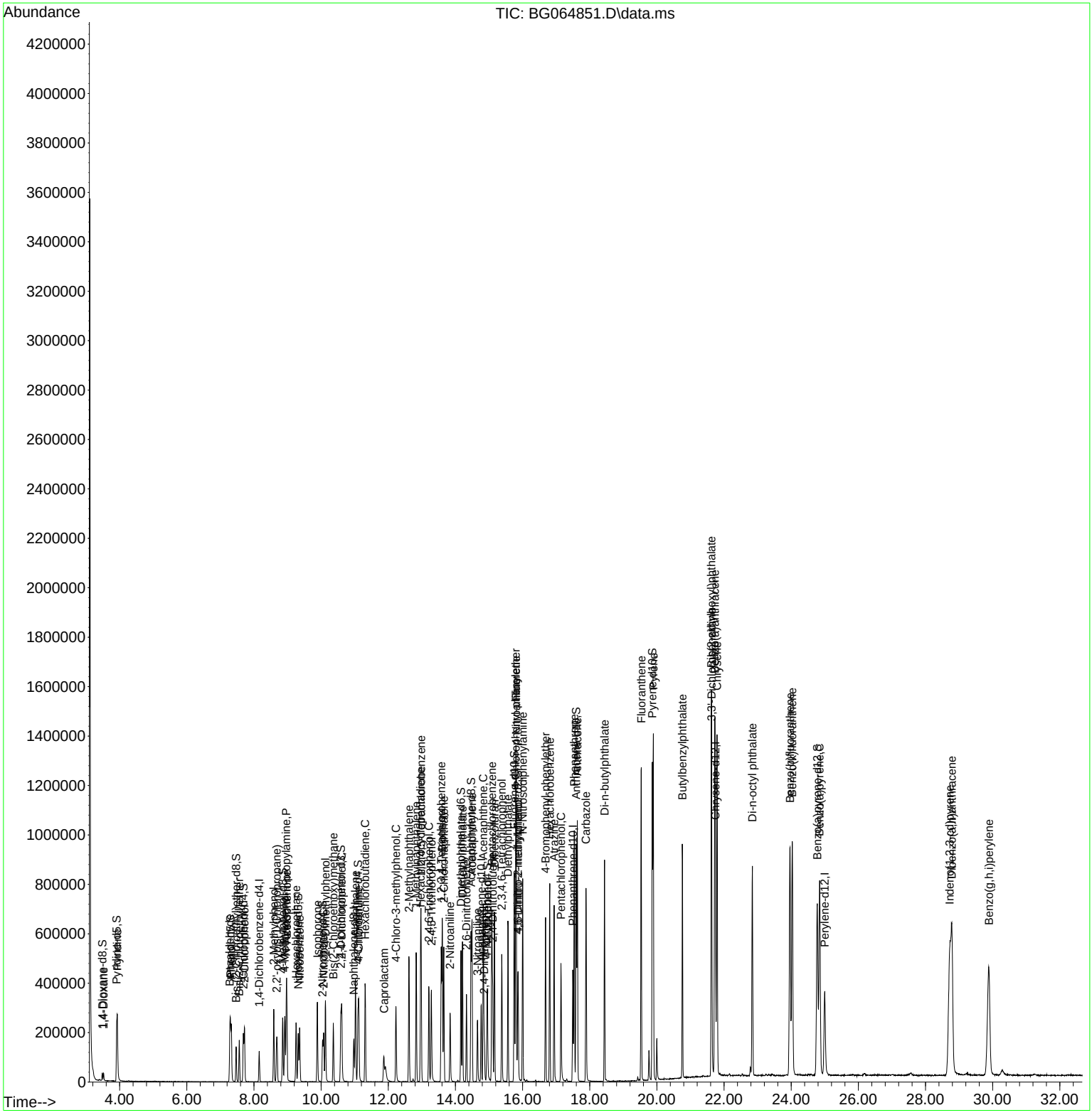
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 10:10:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 10:10:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	34659	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	144959	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.771	164	121634	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	304933	20.000	ng/ul	0.00
79) Chrysene-d12	21.745	240	369319	20.000	ng/ul	0.00
88) Perylene-d12	25.000	264	404530	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	13817	19.587	ng/uL	0.00
4) Pyridine-d5	3.907	84	100150	48.931	ng/ul	0.00
7) Phenol-d5	7.303	99	114544	40.283	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	72540	46.691	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	90288	40.351	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	102250	39.938	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	46728	40.933	ng/ul	0.00
24) 2-Nitrophenol-d4	10.041	143	57597	41.530	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	117824	45.094	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	140858	40.156	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	396492	37.241	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	429710	41.037	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	64418m	39.456	ng/ul	0.00
60) Fluorene-d10	15.752	176	349174	39.773	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	83091	39.610	ng/ul	0.00
73) Anthracene-d10	17.597	188	634687	41.674	ng/ul	0.00
81) Pyrene-d10	19.865	212	785854	38.280	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	902924	43.066	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.519	88	14807	18.496	ng/uL	98
5) Pyridine	3.930	79	110964	51.806	ng/ul	97
6) Benzaldehyde	7.279	77	62294	46.187	ng/ul	96
8) Phenol	7.326	94	119187	40.813	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.561	93	87565	42.560	ng/ul	98
12) 2-Chlorophenol	7.714	128	96703	41.521	ng/ul	99
13) 2-Methylphenol	8.590	108	100243	41.786	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.678	45	193981	49.564	ng/ul	98
16) Acetophenone	8.977	105	167293	40.883	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.960	70	81544	42.087	ng/ul#	95
18) 4-Methylphenol	8.919	108	105681	40.449	ng/ul	85
19) Hexachloroethane	9.254	117	40438	39.155	ng/ul	93
22) Nitrobenzene	9.359	77	122190	43.079	ng/ul	97
23) Isophorone	9.888	82	238720	43.643	ng/ul	99
25) 2-Nitrophenol	10.076	139	60522	45.766	ng/ul	97
26) 2,4-Dimethylphenol	10.129	107	124151	41.400	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.364	93	132625	46.731	ng/ul	99
29) 2,4-Dichlorophenol	10.611	162	109121	45.357	ng/ul	98
30) Naphthalene	11.022	128	339514	42.077	ng/ul	98
32) 4-Chloroaniline	11.122	127	144702	41.669	ng/ul	96
33) Hexachlorobutadiene	11.310	225	106838	47.907	ng/ul	95
34) Caprolactam	11.874	113	35995m	38.405	ng/ul	
35) 4-Chloro-3-methylphenol	12.227	107	118609	40.995	ng/ul	94
36) 2-Methylnaphthalene	12.614	142	261080	42.811	ng/ul	96

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 10:10:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.832	142	251114	41.507	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.979	216	197026	48.980	ng/ul	97
40) Hexachlorocyclopentadiene	12.961	237	137055	48.848	ng/ul	89
41) 2,4,6-Trichlorophenol	13.208	196	113292	45.062	ng/ul	96
42) 2,4,5-Trichlorophenol	13.284	196	127432	47.646	ng/ul	97
43) 1,1'-Biphenyl	13.607	154	356758	39.772	ng/ul	100
44) 2-Chloronaphthalene	13.654	162	281957	42.642	ng/ul	98
45) 2-Nitroaniline	13.842	65	91515	39.794	ng/ul	96
47) Dimethylphthalate	14.212	163	406333	40.279	ng/ul	99
48) 2,6-Dinitrotoluene	14.330	165	78915	41.491	ng/ul	96
50) Acenaphthylene	14.495	152	487638	42.728	ng/ul	98
51) 3-Nitroaniline	14.659	138	65836	40.347	ng/ul#	97
52) Acenaphthene	14.829	153	312419	40.672	ng/ul	99
53) 2,4-Dinitrophenol	14.859	184	44431	36.665	ng/ul	90
55) 4-Nitrophenol	14.953	109	55143	26.810	ng/ul	93
56) Dibenzofuran	15.164	168	487398	42.456	ng/ul	99
57) 2,4-Dinitrotoluene	15.111	165	120095	39.429	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.382	232	131837	45.868	ng/ul	98
59) Diethylphthalate	15.564	149	397399	36.886	ng/ul	99
61) Fluorene	15.805	166	374910	39.293	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.793	204	228061	43.949	ng/ul	99
63) 4-Nitroaniline	15.811	138	66739	39.992	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.869	198	80753	38.200	ng/ul	97
67) N-Nitrosodiphenylamine	16.005	169	340318	40.857	ng/ul	97
68) 4-Bromophenyl-phenylether	16.686	248	171771	46.925	ng/ul	95
69) Hexachlorobenzene	16.809	284	201493	48.032	ng/ul	97
70) Atrazine	16.939	200	161271	39.660	ng/ul	97
71) Pentachlorophenol	17.144	266	115339	44.324	ng/ul	98
72) Phenanthrene	17.538	178	693489	41.410	ng/ul	99
74) Anthracene	17.632	178	714137	41.961	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.578	216	196197	46.611	ng/ul	98
76) Pentachlorobenzene	15.088	250	215498	46.162	ng/ul	98
77) Carbazole	17.891	167	577896	39.685	ng/ul	100
78) Di-n-butylphthalate	18.443	149	675416	37.799	ng/ul	99
80) Fluoranthene	19.536	202	899710	38.687	ng/ul	99
82) Pyrene	19.894	202	918561	38.237	ng/ul	98
83) Butylbenzylphthalate	20.758	149	305002	33.570	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.633	252	338536	43.145	ng/ul	98
85) Benzo(a)anthracene	21.727	228	1024403	41.258	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.621	149	446688	34.024	ng/ul	99
87) Chrysene	21.792	228	976636	41.364	ng/ul	99
89) Di-n-octyl phthalate	22.844	149	774540	34.996	ng/ul	100
90) Benzo(b)fluoranthene	23.966	252	1041686	42.381	ng/ul	99
91) Benzo(k)fluoranthene	24.030	252	1058693	43.155	ng/ul	97
93) Benzo(a)pyrene	24.847	252	996457	43.638	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.719	276	1281760	43.468	ng/ul	99
95) Dibenzo(a,h)anthracene	28.784	278	1046314	44.293	ng/ul	99
96) Benzo(g,h,i)perylene	29.888	276	1038851	43.494	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

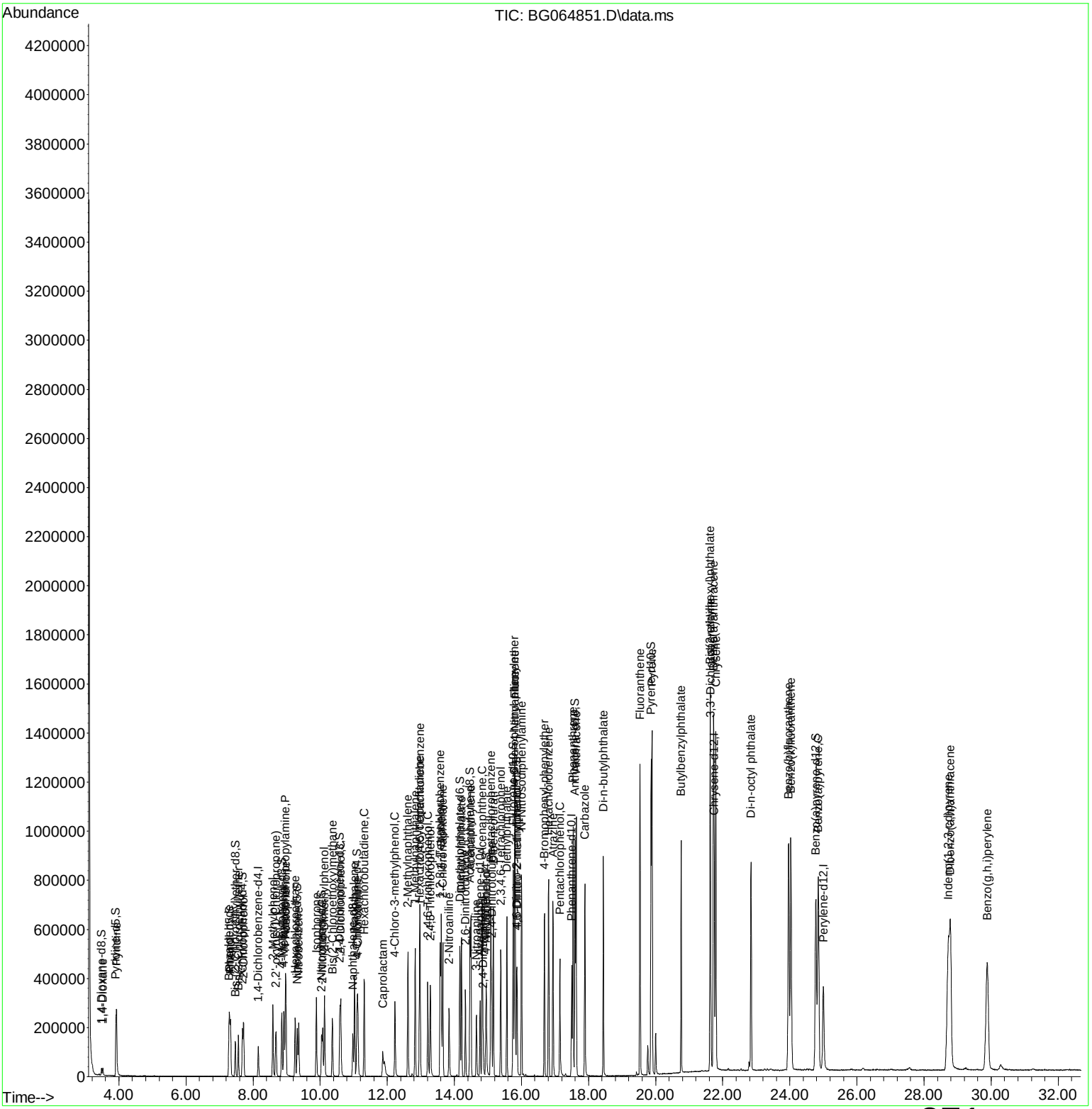
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 10:10:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (Qedit)

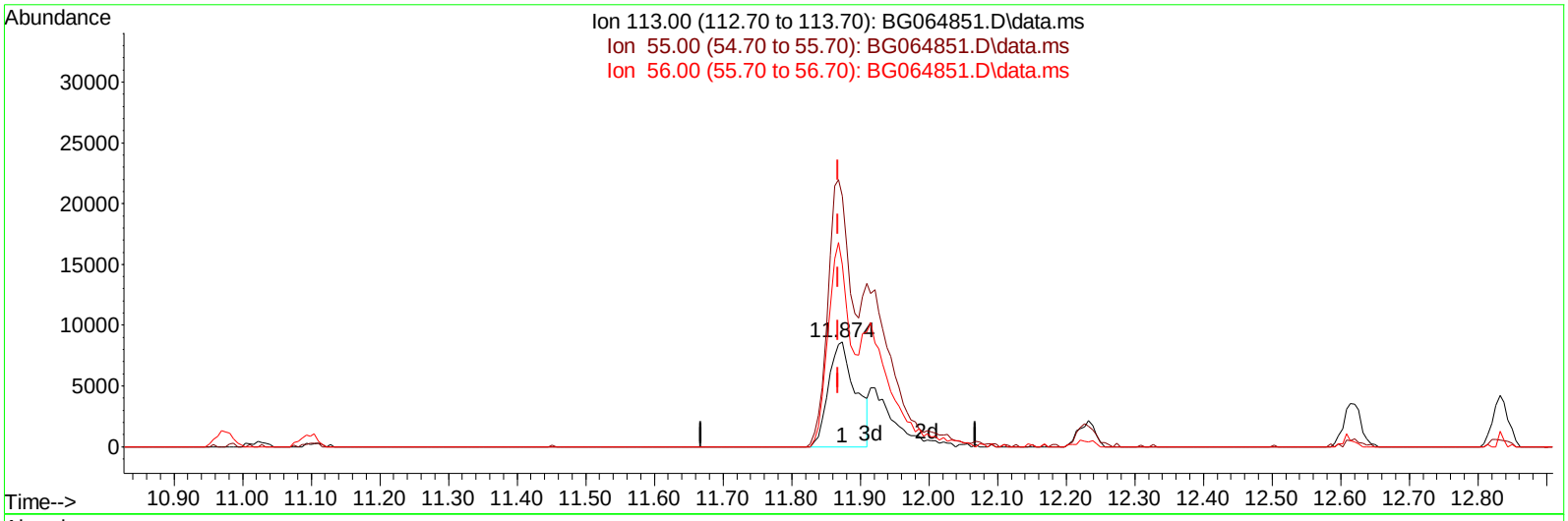
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

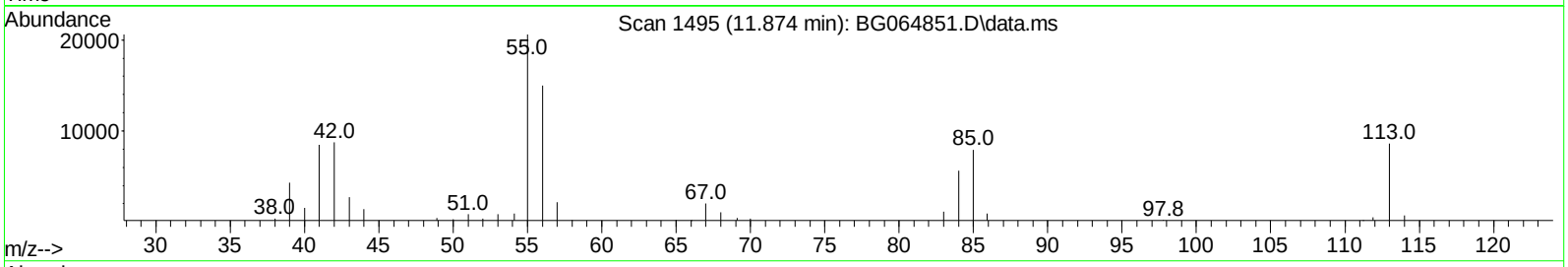
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

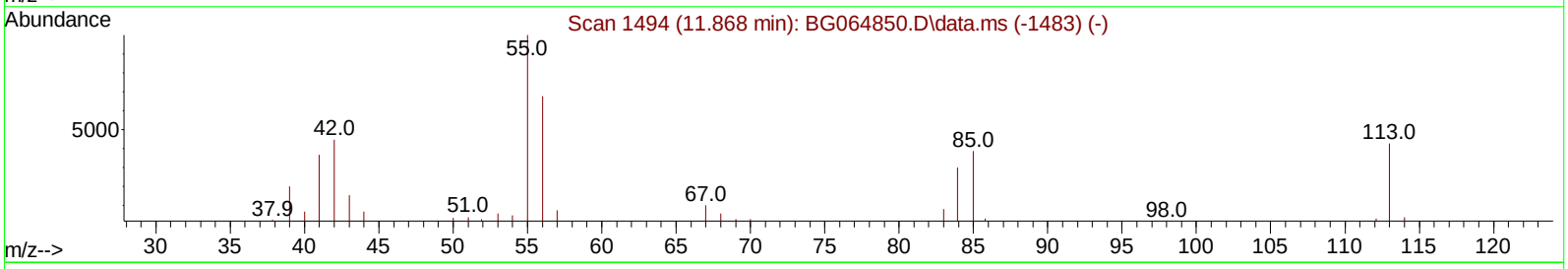
Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064851.D\data.ms

(34) Caprolactam

11.874min (+ 0.006) 25.30 ng/ul

response 23709

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	238.52
56.00	159.40	173.77
0.00	0.00	0.00

Quantitation Report (Qedit)

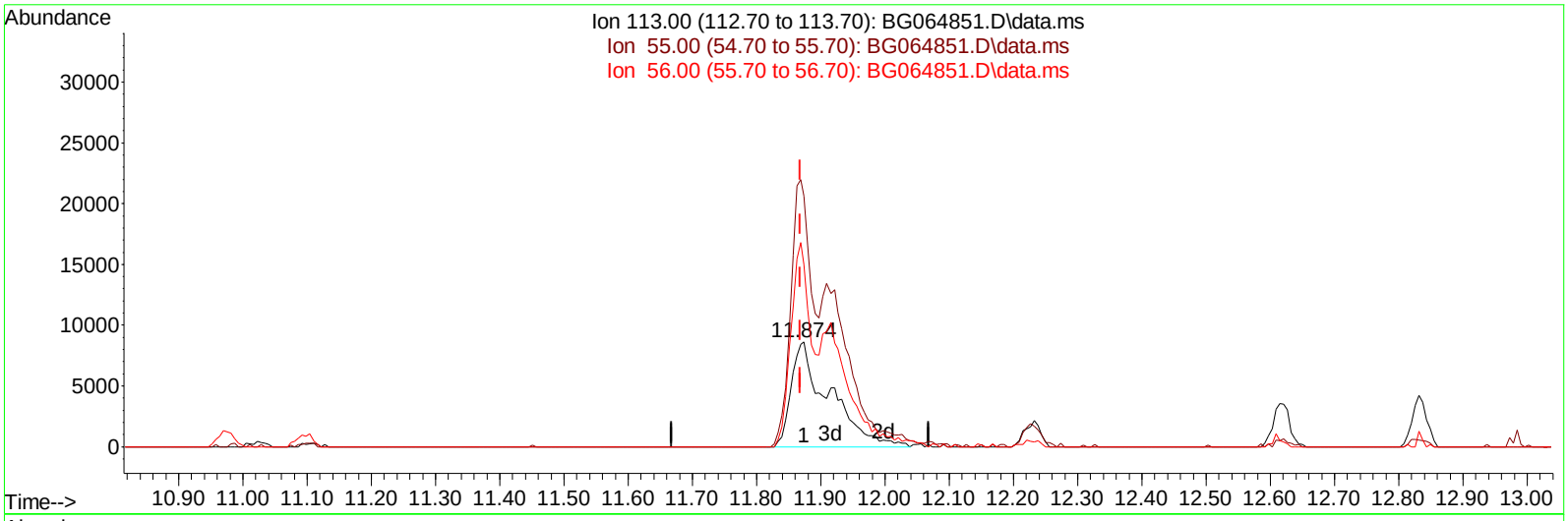
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

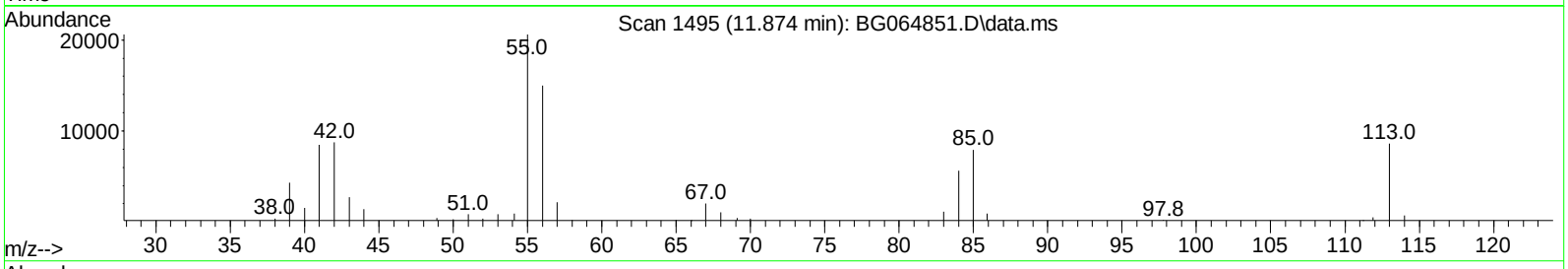
Quant Time: Nov 25 10:09:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

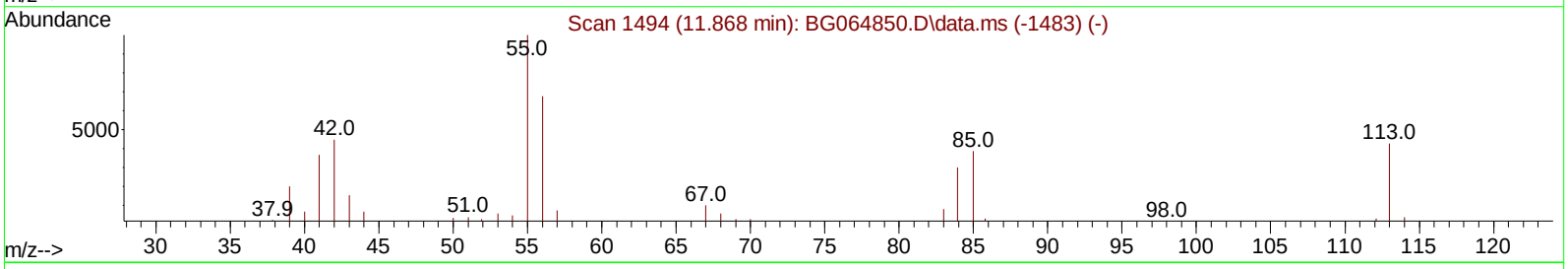
Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064851.D\data.ms

(34) Caprolactam

11.874min (+ 0.006) 38.41 ng/ul m

response 35995

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	238.52
56.00	159.40	173.77
0.00	0.00	0.00

Quantitation Report (Qedit)

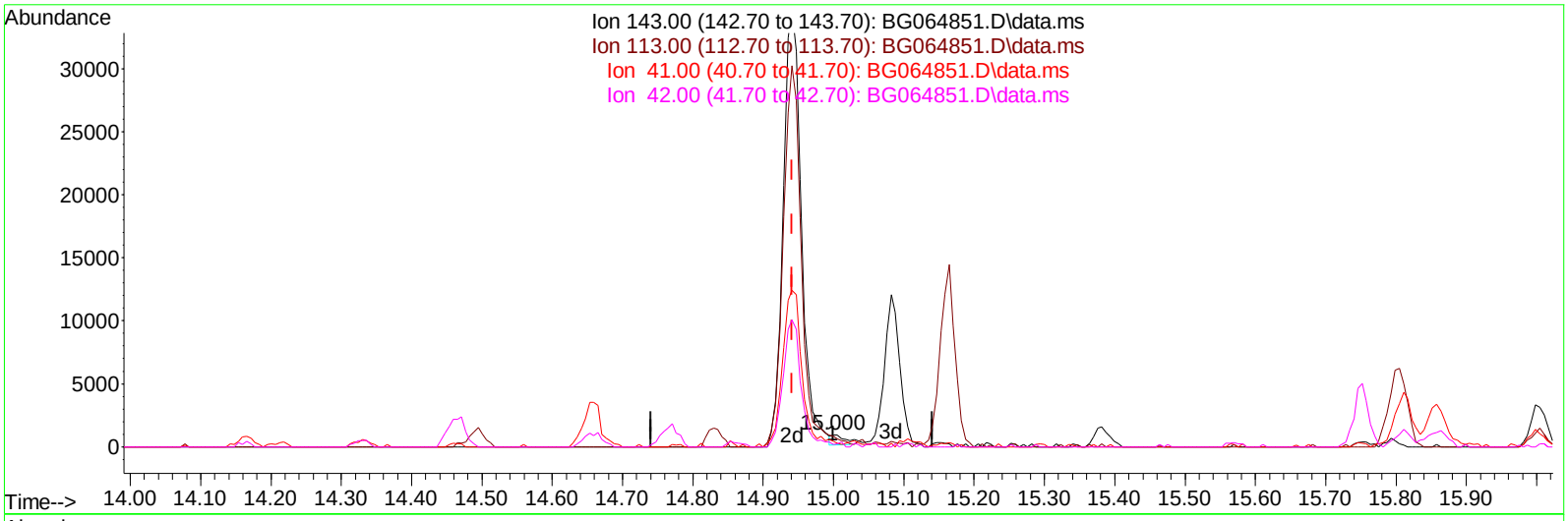
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

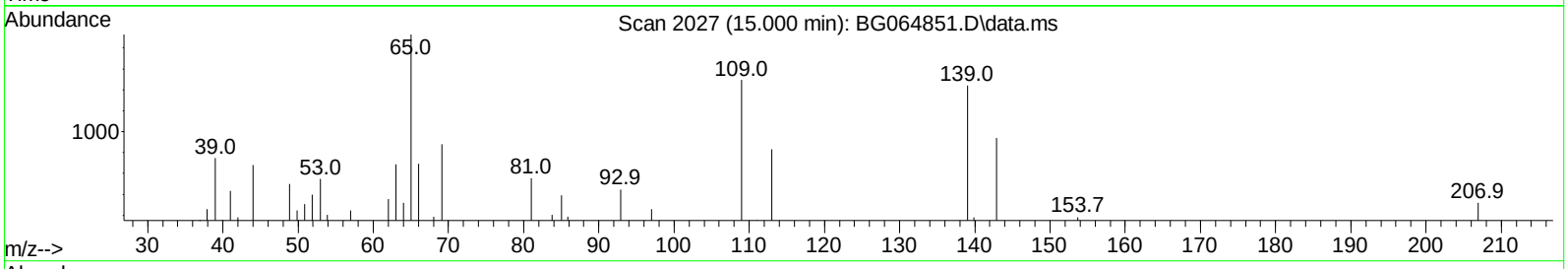
Quant Time: Nov 25 10:09:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

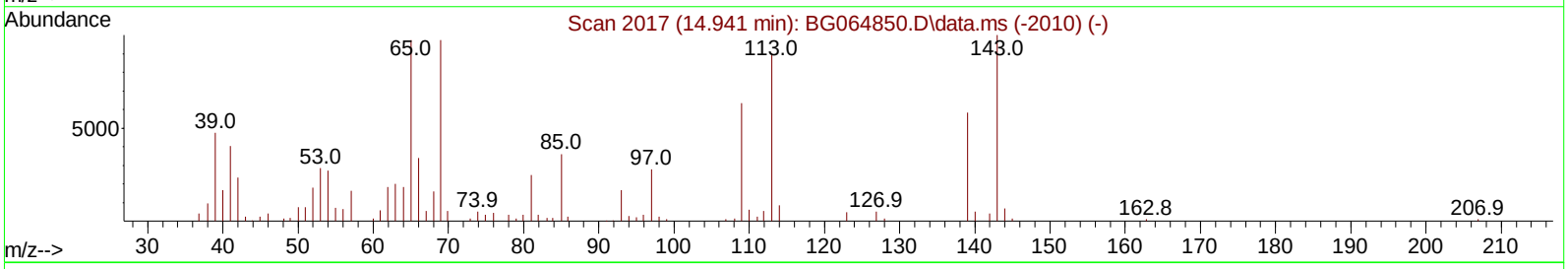
Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064851.D\data.ms

(54) 4-Nitrophenol-d4 (S)

15.000min (+ 0.059) 0.59 ng/ul

response 969

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	88.39
41.00	40.40	46.22
42.00	23.60	19.49

Quantitation Report (Qedit)

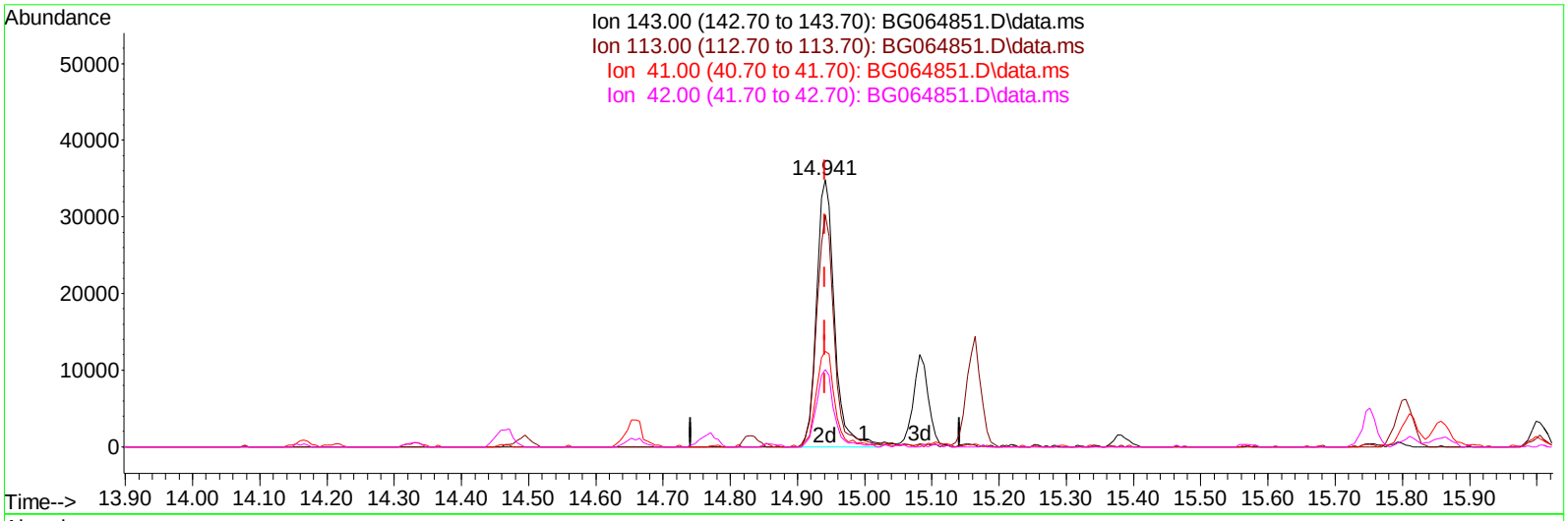
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

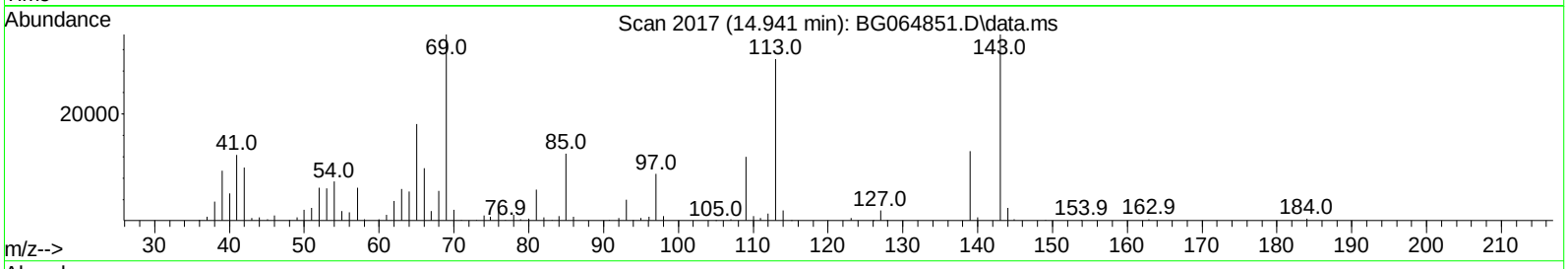
Quant Time: Nov 25 10:09:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

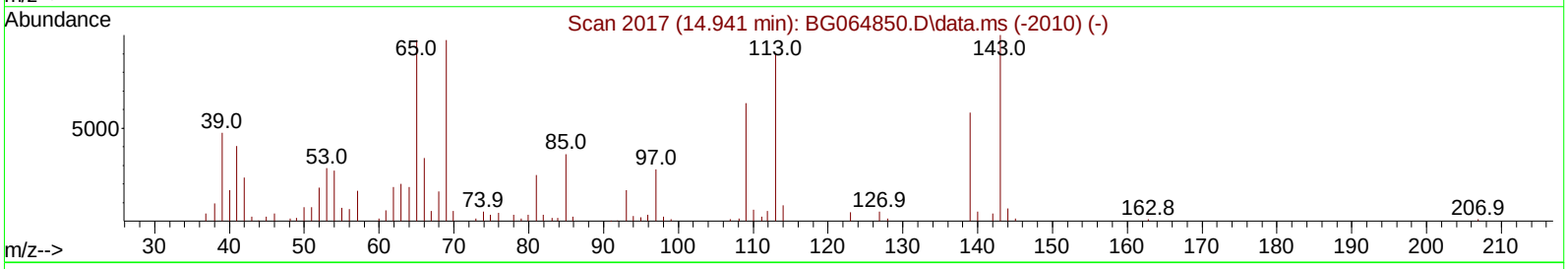
Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064851.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 39.46 ng/ul m

response 64418

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	86.79
41.00	40.40	35.67
42.00	23.60	28.89#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 10:10:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	34659	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	144959	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.771	164	121634	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	304933	20.000	ng/ul	0.00
79) Chrysene-d12	21.745	240	369319	20.000	ng/ul	0.00
88) Perylene-d12	25.000	264	404530	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	13817	19.587	ng/uL	0.00
4) Pyridine-d5	3.907	84	100150	48.931	ng/ul	0.00
7) Phenol-d5	7.303	99	114544	40.283	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	72540	46.691	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	90288	40.351	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	102250	39.938	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	46728	40.933	ng/ul	0.00
24) 2-Nitrophenol-d4	10.041	143	57597	41.530	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	117824	45.094	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	140858	40.156	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	396492	37.241	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	429710	41.037	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	64418m	39.456	ng/ul	0.00
60) Fluorene-d10	15.752	176	349174	39.773	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	83091	39.610	ng/ul	0.00
73) Anthracene-d10	17.597	188	634687	41.674	ng/ul	0.00
81) Pyrene-d10	19.865	212	785854	38.280	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	902924	43.066	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.519	88	14807	18.496	ng/uL	98
5) Pyridine	3.930	79	110964	51.806	ng/ul	97
6) Benzaldehyde	7.279	77	62294	46.187	ng/ul	96
8) Phenol	7.326	94	119187	40.813	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.561	93	87565	42.560	ng/ul	98
12) 2-Chlorophenol	7.714	128	96703	41.521	ng/ul	99
13) 2-Methylphenol	8.590	108	100243	41.786	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.678	45	193981	49.564	ng/ul	98
16) Acetophenone	8.977	105	167293	40.883	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.960	70	81544	42.087	ng/ul#	95
18) 4-Methylphenol	8.919	108	105681	40.449	ng/ul	85
19) Hexachloroethane	9.254	117	40438	39.155	ng/ul	93
22) Nitrobenzene	9.359	77	122190	43.079	ng/ul	97
23) Isophorone	9.888	82	238720	43.643	ng/ul	99
25) 2-Nitrophenol	10.076	139	60522	45.766	ng/ul	97
26) 2,4-Dimethylphenol	10.129	107	124151	41.400	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.364	93	132625	46.731	ng/ul	99
29) 2,4-Dichlorophenol	10.611	162	109121	45.357	ng/ul	98
30) Naphthalene	11.022	128	339514	42.077	ng/ul	98
32) 4-Chloroaniline	11.122	127	144702	41.669	ng/ul	96
33) Hexachlorobutadiene	11.310	225	106838	47.907	ng/ul	95
34) Caprolactam	11.874	113	35995m	38.405	ng/ul	
35) 4-Chloro-3-methylphenol	12.227	107	118609	40.995	ng/ul	94

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064851.D
Acq On : 24 Nov 2025 16:06
Operator : RC/JU
Sample : SSTD04022
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 10:10:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD040422

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.614	142	261080	42.811 ng/ul	96
37) 1-Methylnaphthalene	12.832	142	251114	41.507 ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.979	216	197026	48.980 ng/ul	97
40) Hexachlorocyclopentadiene	12.961	237	137055	48.848 ng/ul	89
41) 2,4,6-Trichlorophenol	13.208	196	113292	45.062 ng/ul	96
42) 2,4,5-Trichlorophenol	13.284	196	127432	47.646 ng/ul	97
43) 1,1'-Biphenyl	13.607	154	356758	39.772 ng/ul	100
44) 2-Chloronaphthalene	13.654	162	281957	42.642 ng/ul	98
45) 2-Nitroaniline	13.842	65	91515	39.794 ng/ul	96
47) Dimethylphthalate	14.212	163	406333	40.279 ng/ul	99
48) 2,6-Dinitrotoluene	14.330	165	78915	41.491 ng/ul	96
50) Acenaphthylene	14.495	152	487638	42.728 ng/ul	98
51) 3-Nitroaniline	14.659	138	65836	40.347 ng/ul#	97
52) Acenaphthene	14.829	153	312419	40.672 ng/ul	99
53) 2,4-Dinitrophenol	14.859	184	44431	36.665 ng/ul	90
55) 4-Nitrophenol	14.953	109	55143	26.810 ng/ul	93
56) Dibenzofuran	15.164	168	487398	42.456 ng/ul	99
57) 2,4-Dinitrotoluene	15.111	165	120095	39.429 ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.382	232	131837	45.868 ng/ul	98
59) Diethylphthalate	15.564	149	397399	36.886 ng/ul	99
61) Fluorene	15.805	166	374910	39.293 ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.793	204	228061	43.949 ng/ul	99
63) 4-Nitroaniline	15.811	138	66739	39.992 ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.869	198	80753	38.200 ng/ul	97
67) N-Nitrosodiphenylamine	16.005	169	340318	40.857 ng/ul	97
68) 4-Bromophenyl-phenylether	16.686	248	171771	46.925 ng/ul	95
69) Hexachlorobenzene	16.809	284	201493	48.032 ng/ul	97
70) Atrazine	16.939	200	161271	39.660 ng/ul	97
71) Pentachlorophenol	17.144	266	115339	44.324 ng/ul	98
72) Phenanthrene	17.538	178	693489	41.410 ng/ul	99
74) Anthracene	17.632	178	714137	41.961 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.578	216	196197	46.611 ng/ul	98
76) Pentachlorobenzene	15.088	250	215498	46.162 ng/ul	98
77) Carbazole	17.891	167	577896	39.685 ng/ul	100
78) Di-n-butylphthalate	18.443	149	675416	37.799 ng/ul	99
80) Fluoranthene	19.536	202	899710	38.687 ng/ul	99
82) Pyrene	19.894	202	918561	38.237 ng/ul	98
83) Butylbenzylphthalate	20.758	149	305002	33.570 ng/ul	94
84) 3,3'-Dichlorobenzidine	21.633	252	338536	43.145 ng/ul	98
85) Benzo(a)anthracene	21.727	228	1024403	41.258 ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.621	149	446688	34.024 ng/ul	99
87) Chrysene	21.792	228	976636	41.364 ng/ul	99
89) Di-n-octyl phthalate	22.844	149	774540	34.996 ng/ul	100
90) Benzo(b)fluoranthene	23.966	252	1041686	42.381 ng/ul	99
91) Benzo(k)fluoranthene	24.030	252	1058693	43.155 ng/ul	97
93) Benzo(a)pyrene	24.847	252	996457	43.638 ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.719	276	1281760	43.468 ng/ul	99
95) Dibenzo(a,h)anthracene	28.784	278	1046314	44.293 ng/ul	99
96) Benzo(g,h,i)perylene	29.888	276	1038851	43.494 ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

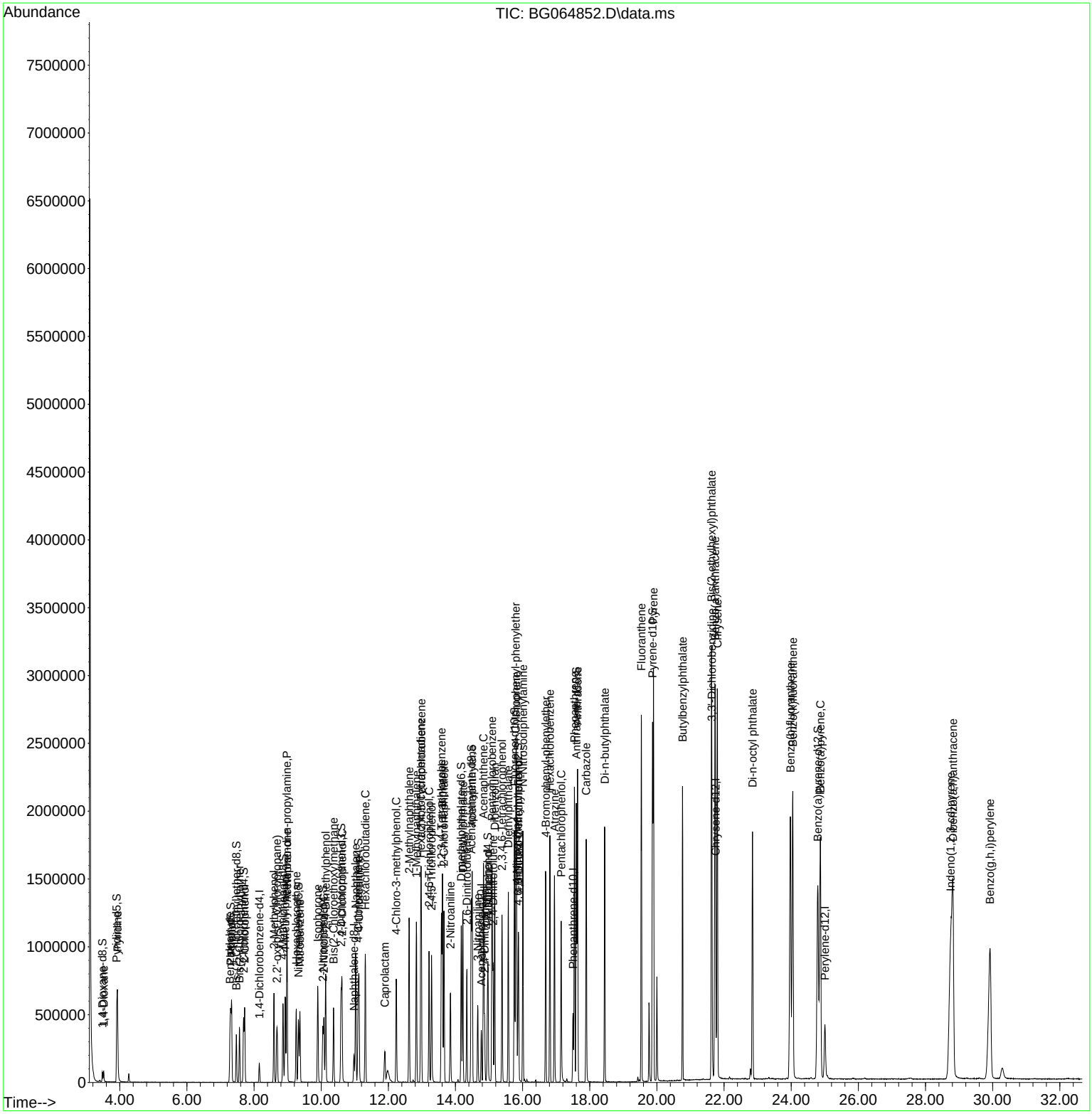
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064852.D
Acq On : 24 Nov 2025 16:46
Operator : RC/JU
Sample : SSTD08023
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 10:13:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080423

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064852.D
Acq On : 24 Nov 2025 16:46
Operator : RC/JU
Sample : SSTD08023
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 10:13:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080423

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	41265	20.000	ng/ul	0.00
20) Naphthalene-d8	10.979	136	174833	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	147429	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	354195	20.000	ng/ul	0.00
79) Chrysene-d12	21.748	240	424400	20.000	ng/ul	0.00
88) Perylene-d12	25.003	264	471941	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	34769	41.398	ng/uL	0.00
4) Pyridine-d5	3.910	84	254251	104.335	ng/ul	0.00
7) Phenol-d5	7.306	99	283930	83.868	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.471	67	178224	96.350	ng/ul	0.00
11) 2-Chlorophenol-d4	7.688	132	222102	83.369	ng/ul	0.00
15) 4-Methylphenol-d8	8.863	113	240767	78.987	ng/ul	0.00
21) Nitrobenzene-d5	9.328	128	115249	83.705	ng/ul	0.02
24) 2-Nitrophenol-d4	10.050	143	140390	83.930	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.591	165	279042	88.548	ng/ul	0.00
31) 4-Chloroaniline-d4	11.102	131	339805	80.319	ng/ul	0.00
46) Dimethylphthalate-d6	14.169	166	904368	70.081	ng/ul	0.00
49) Acenaphthylene-d8	14.469	160	994632	78.368	ng/ul	0.00
54) 4-Nitrophenol-d4	14.956	143	149128	75.360	ng/ul	0.02
60) Fluorene-d10	15.755	176	807144	75.853	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.867	200	204803	84.053	ng/ul	0.02
73) Anthracene-d10	17.600	188	1394753	78.842	ng/ul	0.00
81) Pyrene-d10	19.868	212	1694922	71.846	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.792	264	2019002	82.544	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.523	88	37089	38.914	ng/uL	91
5) Pyridine	3.934	79	277626	108.865	ng/ul	99
6) Benzaldehyde	7.283	77	104861	65.301	ng/ul	96
8) Phenol	7.330	94	300002	86.283	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.565	93	215735	88.069	ng/ul	96
12) 2-Chlorophenol	7.718	128	229087	82.616	ng/ul	95
13) 2-Methylphenol	8.593	108	226993	79.474	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.681	45	432048	92.720	ng/ul	99
16) Acetophenone	8.987	105	387634	79.564	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.975	70	192144	83.295	ng/ul	99
18) 4-Methylphenol	8.928	108	250787	80.622	ng/ul	88
19) Hexachloroethane	9.257	117	94552	76.896	ng/ul	95
22) Nitrobenzene	9.369	77	288033	84.197	ng/ul	99
23) Isophorone	9.897	82	554641	84.073	ng/ul	99
25) 2-Nitrophenol	10.080	139	142346	89.248	ng/ul	97
26) 2,4-Dimethylphenol	10.132	107	299862	82.907	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.368	93	307705	89.895	ng/ul	99
29) 2,4-Dichlorophenol	10.620	162	265737	91.581	ng/ul	98
30) Naphthalene	11.026	128	784753	80.638	ng/ul	98
32) 4-Chloroaniline	11.125	127	341502	81.537	ng/ul	97
33) Hexachlorobutadiene	11.313	225	253672	94.311	ng/ul	97
34) Caprolactam	11.895	113	83358m	73.743	ng/ul	
35) 4-Chloro-3-methylphenol	12.236	107	281331	80.623	ng/ul	95
36) 2-Methylnaphthalene	12.618	142	594840	80.874	ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064852.D
Acq On : 24 Nov 2025 16:46
Operator : RC/JU
Sample : SSTD08023
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 10:13:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080423

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.835	142	570240	78.149	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.982	216	457177	93.767	ng/ul	98
40) Hexachlorocyclopentadiene	12.964	237	333971	98.204	ng/ul	93
41) 2,4,6-Trichlorophenol	13.211	196	274049	89.931	ng/ul	92
42) 2,4,5-Trichlorophenol	13.288	196	299467	92.379	ng/ul	93
43) 1,1'-Biphenyl	13.611	154	815743	75.028	ng/ul	99
44) 2-Chloronaphthalene	13.658	162	646831	80.708	ng/ul	98
45) 2-Nitroaniline	13.852	65	216309	77.602	ng/ul	96
47) Dimethylphthalate	14.222	163	918465	75.115	ng/ul	99
48) 2,6-Dinitrotoluene	14.339	165	184951	80.228	ng/ul	96
50) Acenaphthylene	14.498	152	1112394	80.417	ng/ul	97
51) 3-Nitroaniline	14.662	138	147384	74.519	ng/ul#	97
52) Acenaphthene	14.833	153	728178	78.212	ng/ul	99
53) 2,4-Dinitrophenol	14.868	184	129230	87.985	ng/ul	96
55) 4-Nitrophenol	14.968	109	140765	56.464	ng/ul	95
56) Dibenzofuran	15.168	168	1101565	79.166	ng/ul	98
57) 2,4-Dinitrotoluene	15.121	165	284608	77.092	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.385	232	316149	90.747	ng/ul	98
59) Diethylphthalate	15.573	149	886408	67.879	ng/ul	99
61) Fluorene	15.814	166	832526	71.988	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.796	204	521161	82.859	ng/ul	97
63) 4-Nitroaniline	15.826	138	143602	70.995	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.879	198	199572	81.276	ng/ul#	97
67) N-Nitrosodiphenylamine	16.008	169	760613	78.615	ng/ul	98
68) 4-Bromophenyl-phenylether	16.689	248	393727	92.600	ng/ul	97
69) Hexachlorobenzene	16.813	284	470506	96.561	ng/ul	99
70) Atrazine	16.948	200	362945	76.842	ng/ul	99
71) Pentachlorophenol	17.148	266	280440	92.782	ng/ul	97
72) Phenanthrene	17.541	178	1513223	77.792	ng/ul	98
74) Anthracene	17.635	178	1540031	77.904	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.581	216	455595	93.183	ng/ul	99
76) Pentachlorobenzene	15.091	250	504754	93.085	ng/ul	94
77) Carbazole	17.894	167	1271501	75.172	ng/ul	98
78) Di-n-butylphthalate	18.446	149	1462368	70.458	ng/ul	99
80) Fluoranthene	19.533	202	1880709	70.374	ng/ul	99
82) Pyrene	19.898	202	1937177	70.174	ng/ul	98
83) Butylbenzylphthalate	20.761	149	677699	64.911	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.637	252	683961	75.855	ng/ul	99
85) Benzo(a)anthracene	21.731	228	2228907	78.118	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.625	149	973976	64.558	ng/ul	97
87) Chrysene	21.801	228	2105133	77.589	ng/ul	97
89) Di-n-octyl phthalate	22.847	149	1696467	65.703	ng/ul	100
90) Benzo(b)fluoranthene	23.975	252	2311189	80.600	ng/ul	97
91) Benzo(k)fluoranthene	24.046	252	2336884	81.650	ng/ul	98
93) Benzo(a)pyrene	24.868	252	2217251	83.231	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.746	276	2922465	84.952	ng/ul	99
95) Dibenzo(a,h)anthracene	28.816	278	2387576	86.634	ng/ul	99
96) Benzo(g,h,i)perylene	29.921	276	2342026	84.049	ng/ul	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

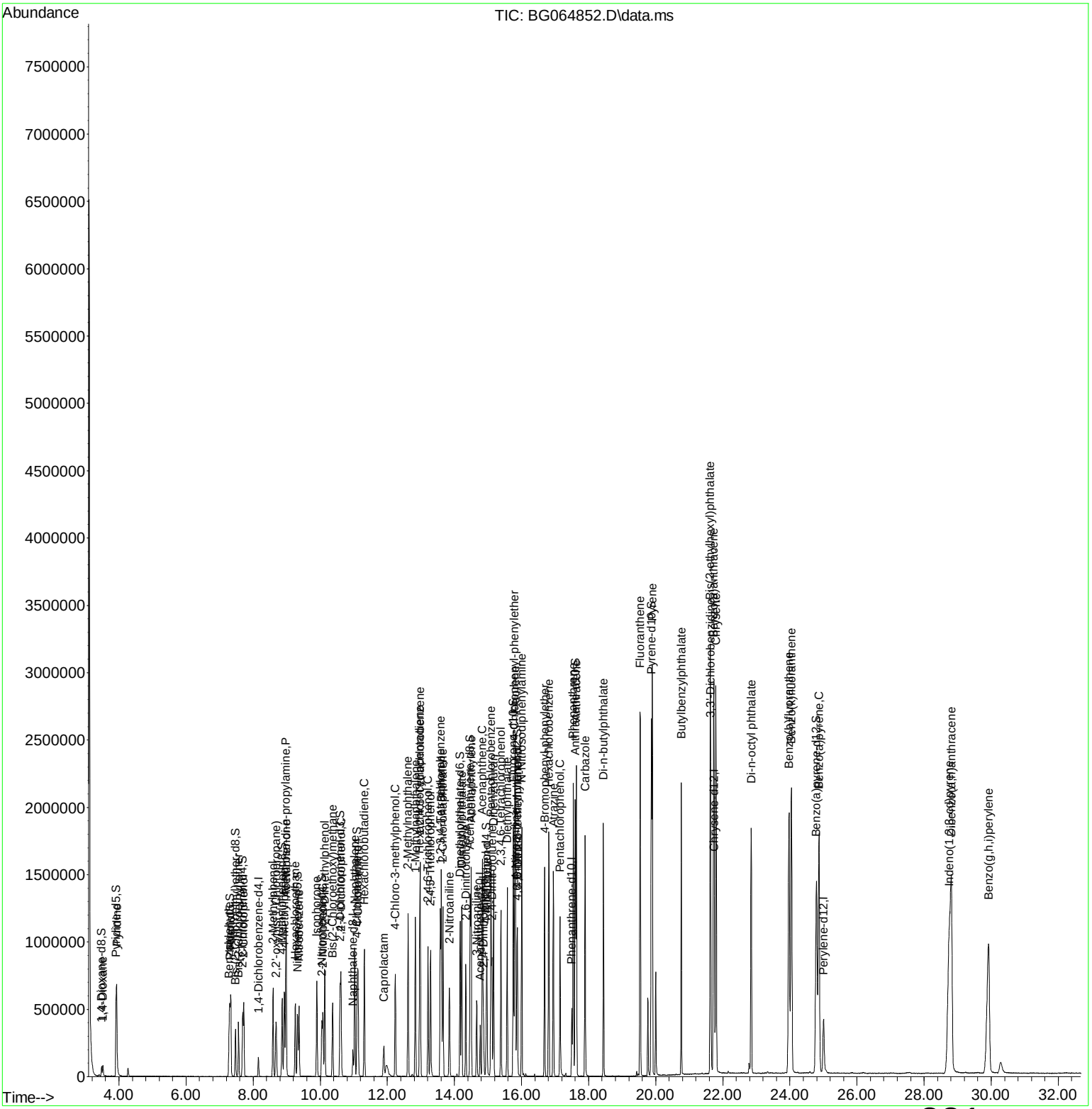
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Data File : BG064852.D
Acq On : 24 Nov 2025 16:46
Operator : RC/JU
Sample : SSTD08023
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 10:13:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080423

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (Qedit)

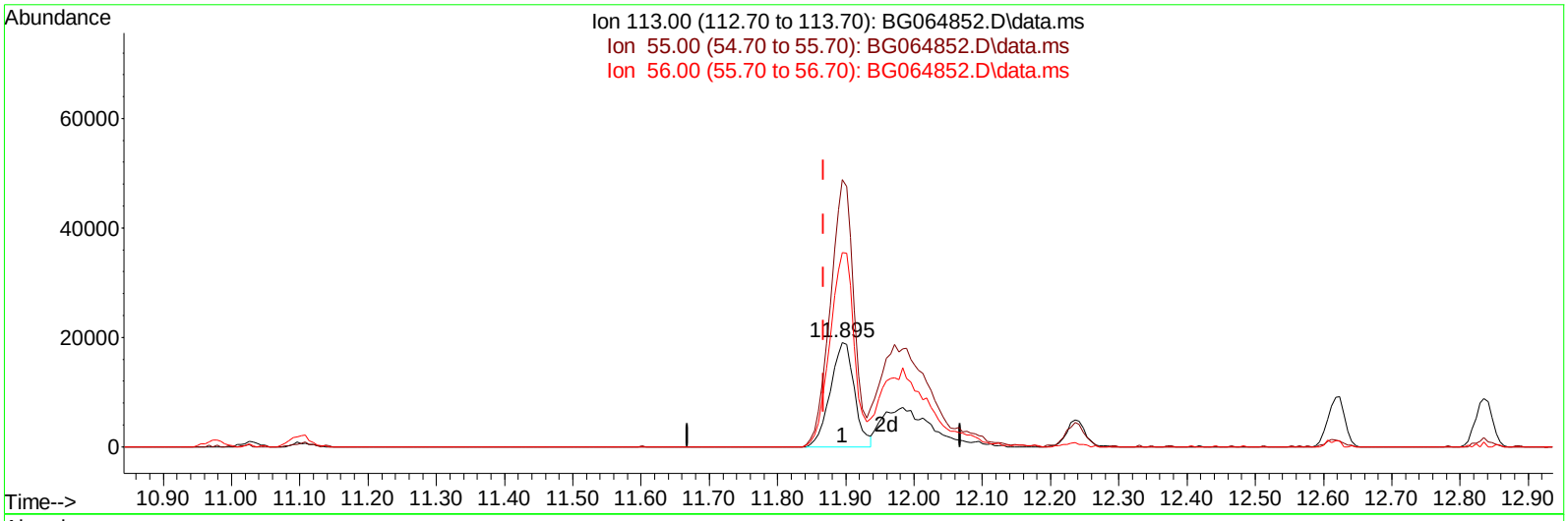
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Data File : BG064852.D
Acq On : 24 Nov 2025 16:46
Operator : RC/JU
Sample : SSTD08023
Misc :
ALS Vial : 6 Sample Multiplier: 1

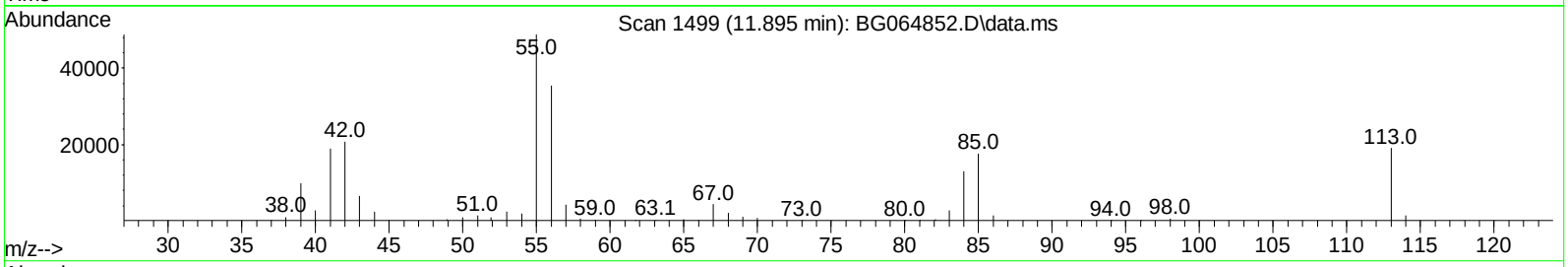
Quant Time: Nov 25 10:11:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

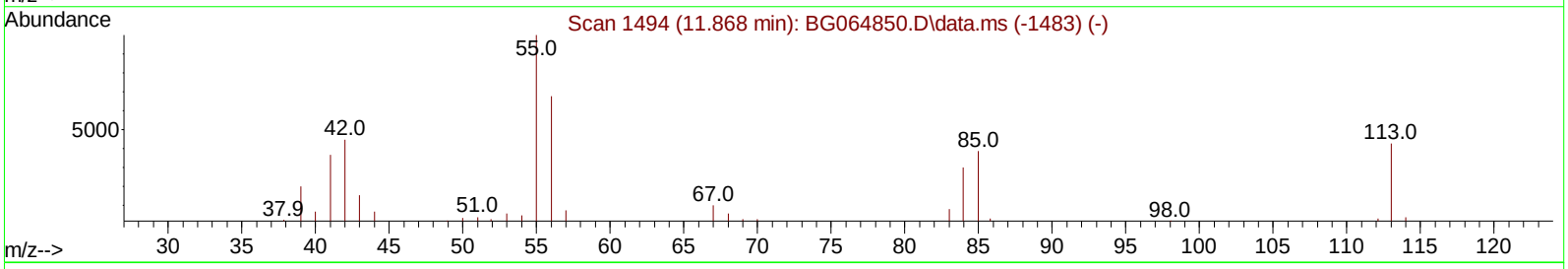
Instrument :
BNA_G
ClientSampleId :
SSTD080423

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064852.D\data.ms

(34) Caprolactam

11.895min (+ 0.027) 41.44 ng/ul

response 46845

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	255.72
56.00	159.40	185.74
0.00	0.00	0.00

Quantitation Report (Qedit)

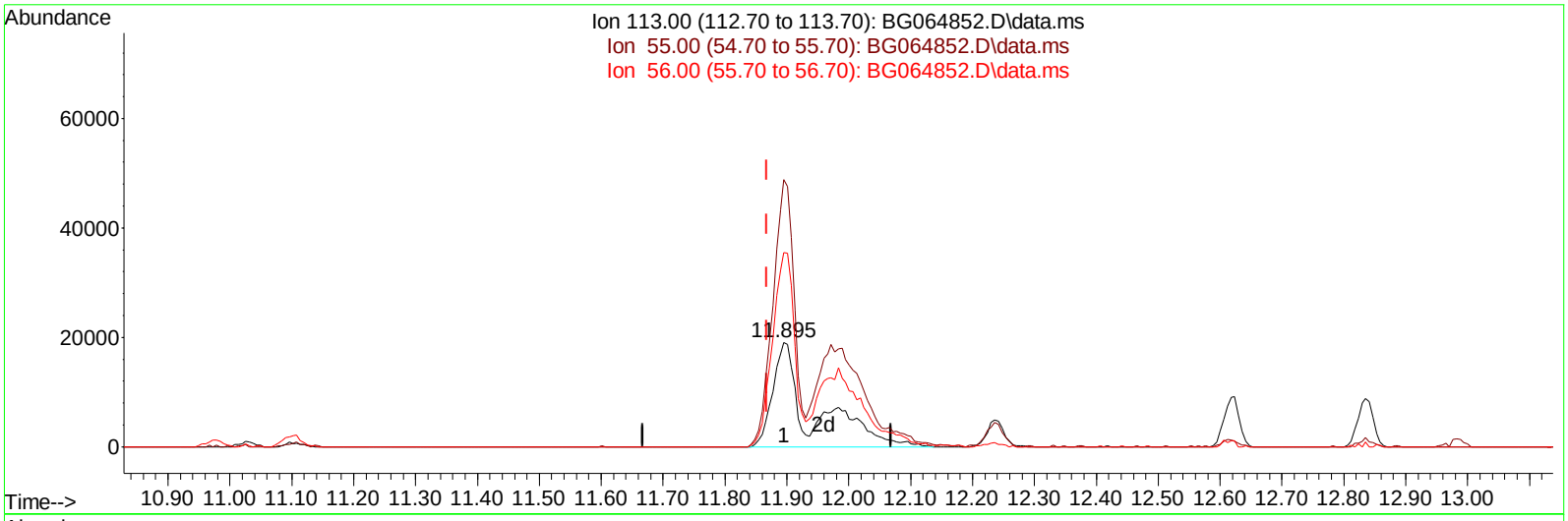
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064852.D
Acq On : 24 Nov 2025 16:46
Operator : RC/JU
Sample : SSTD08023
Misc :
ALS Vial : 6 Sample Multiplier: 1

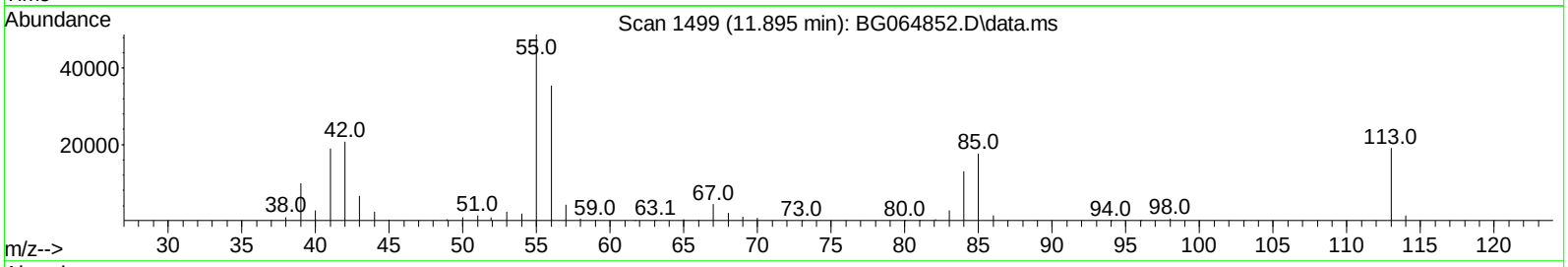
Quant Time: Nov 25 10:11:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
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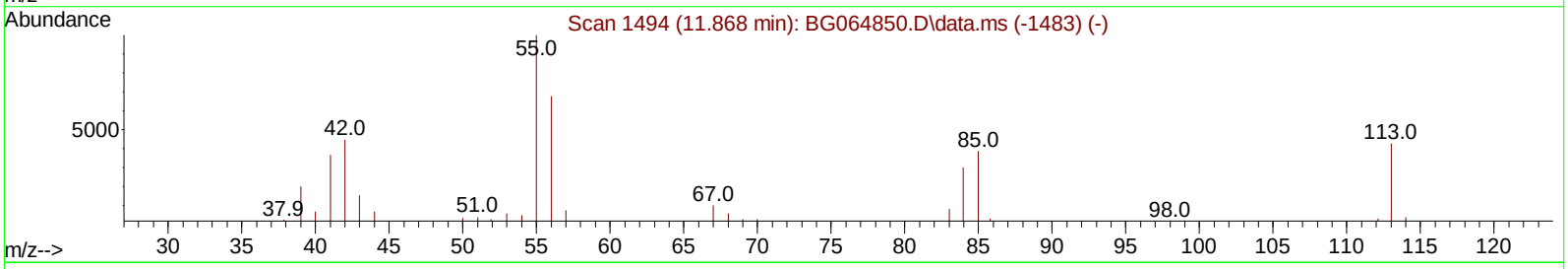
Instrument :
BNA_G
ClientSampleId :
SSTD080423

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064852.D\data.ms

(34) Caprolactam

11.895min (+ 0.027) 73.74 ng/ul m

response 83358

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	255.72
56.00	159.40	185.74
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064852.D
Acq On : 24 Nov 2025 16:46
Operator : RC/JU
Sample : SSTD08023
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 10:13:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080423

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	41265	20.000	ng/ul	0.00
20) Naphthalene-d8	10.979	136	174833	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	147429	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	354195	20.000	ng/ul	0.00
79) Chrysene-d12	21.748	240	424400	20.000	ng/ul	0.00
88) Perylene-d12	25.003	264	471941	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	34769	41.398	ng/uL	0.00
4) Pyridine-d5	3.910	84	254251	104.335	ng/ul	0.00
7) Phenol-d5	7.306	99	283930	83.868	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.471	67	178224	96.350	ng/ul	0.00
11) 2-Chlorophenol-d4	7.688	132	222102	83.369	ng/ul	0.00
15) 4-Methylphenol-d8	8.863	113	240767	78.987	ng/ul	0.00
21) Nitrobenzene-d5	9.328	128	115249	83.705	ng/ul	0.02
24) 2-Nitrophenol-d4	10.050	143	140390	83.930	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.591	165	279042	88.548	ng/ul	0.00
31) 4-Chloroaniline-d4	11.102	131	339805	80.319	ng/ul	0.00
46) Dimethylphthalate-d6	14.169	166	904368	70.081	ng/ul	0.00
49) Acenaphthylene-d8	14.469	160	994632	78.368	ng/ul	0.00
54) 4-Nitrophenol-d4	14.956	143	149128	75.360	ng/ul	0.02
60) Fluorene-d10	15.755	176	807144	75.853	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.867	200	204803	84.053	ng/ul	0.02
73) Anthracene-d10	17.600	188	1394753	78.842	ng/ul	0.00
81) Pyrene-d10	19.868	212	1694922	71.846	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.792	264	2019002	82.544	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.523	88	37089	38.914	ng/uL	91
5) Pyridine	3.934	79	277626	108.865	ng/ul	99
6) Benzaldehyde	7.283	77	104861	65.301	ng/ul	96
8) Phenol	7.330	94	300002	86.283	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.565	93	215735	88.069	ng/ul	96
12) 2-Chlorophenol	7.718	128	229087	82.616	ng/ul	95
13) 2-Methylphenol	8.593	108	226993	79.474	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.681	45	432048	92.720	ng/ul	99
16) Acetophenone	8.987	105	387634	79.564	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.975	70	192144	83.295	ng/ul	99
18) 4-Methylphenol	8.928	108	250787	80.622	ng/ul	88
19) Hexachloroethane	9.257	117	94552	76.896	ng/ul	95
22) Nitrobenzene	9.369	77	288033	84.197	ng/ul	99
23) Isophorone	9.897	82	554641	84.073	ng/ul	99
25) 2-Nitrophenol	10.080	139	142346	89.248	ng/ul	97
26) 2,4-Dimethylphenol	10.132	107	299862	82.907	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.368	93	307705	89.895	ng/ul	99
29) 2,4-Dichlorophenol	10.620	162	265737	91.581	ng/ul	98
30) Naphthalene	11.026	128	784753	80.638	ng/ul	98
32) 4-Chloroaniline	11.125	127	341502	81.537	ng/ul	97
33) Hexachlorobutadiene	11.313	225	253672	94.311	ng/ul	97
34) Caprolactam	11.895	113	83358m	73.743	ng/ul	
35) 4-Chloro-3-methylphenol	12.236	107	281331	80.623	ng/ul	95

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064852.D
Acq On : 24 Nov 2025 16:46
Operator : RC/JU
Sample : SSTD08023
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 10:13:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080423

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.618	142	594840	80.874 ng/ul	98
37) 1-Methylnaphthalene	12.835	142	570240	78.149 ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.982	216	457177	93.767 ng/ul	98
40) Hexachlorocyclopentadiene	12.964	237	333971	98.204 ng/ul	93
41) 2,4,6-Trichlorophenol	13.211	196	274049	89.931 ng/ul	92
42) 2,4,5-Trichlorophenol	13.288	196	299467	92.379 ng/ul	93
43) 1,1'-Biphenyl	13.611	154	815743	75.028 ng/ul	99
44) 2-Chloronaphthalene	13.658	162	646831	80.708 ng/ul	98
45) 2-Nitroaniline	13.852	65	216309	77.602 ng/ul	96
47) Dimethylphthalate	14.222	163	918465	75.115 ng/ul	99
48) 2,6-Dinitrotoluene	14.339	165	184951	80.228 ng/ul	96
50) Acenaphthylene	14.498	152	1112394	80.417 ng/ul	97
51) 3-Nitroaniline	14.662	138	147384	74.519 ng/ul#	97
52) Acenaphthene	14.833	153	728178	78.212 ng/ul	99
53) 2,4-Dinitrophenol	14.868	184	129230	87.985 ng/ul	96
55) 4-Nitrophenol	14.968	109	140765	56.464 ng/ul	95
56) Dibenzofuran	15.168	168	1101565	79.166 ng/ul	98
57) 2,4-Dinitrotoluene	15.121	165	284608	77.092 ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.385	232	316149	90.747 ng/ul	98
59) Diethylphthalate	15.573	149	886408	67.879 ng/ul	99
61) Fluorene	15.814	166	832526	71.988 ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.796	204	521161	82.859 ng/ul	97
63) 4-Nitroaniline	15.826	138	143602	70.995 ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.879	198	199572	81.276 ng/ul#	97
67) N-Nitrosodiphenylamine	16.008	169	760613	78.615 ng/ul	98
68) 4-Bromophenyl-phenylether	16.689	248	393727	92.600 ng/ul	97
69) Hexachlorobenzene	16.813	284	470506	96.561 ng/ul	99
70) Atrazine	16.948	200	362945	76.842 ng/ul	99
71) Pentachlorophenol	17.148	266	280440	92.782 ng/ul	97
72) Phenanthrene	17.541	178	1513223	77.792 ng/ul	98
74) Anthracene	17.635	178	1540031	77.904 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.581	216	455595	93.183 ng/ul	99
76) Pentachlorobenzene	15.091	250	504754	93.085 ng/ul	94
77) Carbazole	17.894	167	1271501	75.172 ng/ul	98
78) Di-n-butylphthalate	18.446	149	1462368	70.458 ng/ul	99
80) Fluoranthene	19.533	202	1880709	70.374 ng/ul	99
82) Pyrene	19.898	202	1937177	70.174 ng/ul	98
83) Butylbenzylphthalate	20.761	149	677699	64.911 ng/ul	94
84) 3,3'-Dichlorobenzidine	21.637	252	683961	75.855 ng/ul	99
85) Benzo(a)anthracene	21.731	228	2228907	78.118 ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.625	149	973976	64.558 ng/ul	97
87) Chrysene	21.801	228	2105133	77.589 ng/ul	97
89) Di-n-octyl phthalate	22.847	149	1696467	65.703 ng/ul	100
90) Benzo(b)fluoranthene	23.975	252	2311189	80.600 ng/ul	97
91) Benzo(k)fluoranthene	24.046	252	2336884	81.650 ng/ul	98
93) Benzo(a)pyrene	24.868	252	2217251	83.231 ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.746	276	2922465	84.952 ng/ul	99
95) Dibenzo(a,h)anthracene	28.816	278	2387576	86.634 ng/ul	99
96) Benzo(g,h,i)perylene	29.921	276	2342026	84.049 ng/ul	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

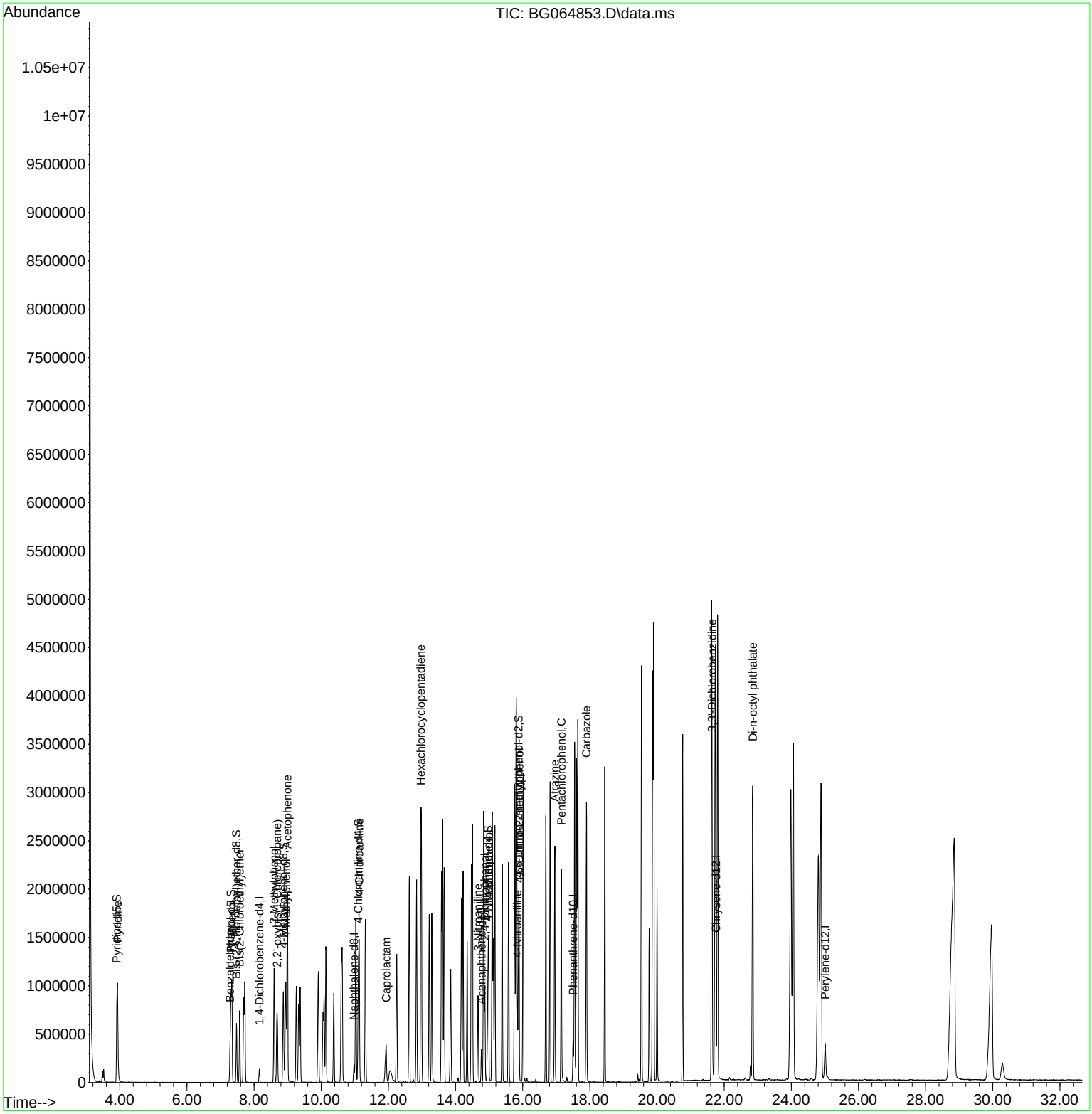
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Acq On : 24 Nov 2025 17:27
Operator : RC/JU
Sample : SSTD16024
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 10:17:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD160424

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064853.D
Acq On : 24 Nov 2025 17:27
Operator : RC/JU
Sample : SSTD16024
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 10:17:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD160424

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	38773	20.000	ng/ul	0.00
20) Naphthalene-d8	10.978	136	156800	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.773	164	133627	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	312982	20.000	ng/ul	0.00
79) Chrysene-d12	21.759	240	366092	20.000	ng/ul	0.01
88) Perylene-d12	25.008	264	417781	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	3.910	84	394134	172.133	ng/ul	0.00
7) Phenol-d5	7.312	99	514880	161.861	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.476	67	317733	182.811	ng/ul	0.00
11) 2-Chlorophenol-d4	0.000	132	0d	0.000	ng/ul	
15) 4-Methylphenol-d8	8.869	113	446403	155.861	ng/ul	0.01
21) Nitrobenzene-d5	0.000	128	0d	0.000	ng/ul	
24) 2-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
28) 2,4-Dichlorophenol-d3	0.000	165	0d	0.000	ng/ul	
31) 4-Chloroaniline-d4	11.107	131	613455	161.677	ng/ul	0.00
46) Dimethylphthalate-d6	0.000	166	0d	0.000	ng/ul	
49) Acenaphthylene-d8	0.000	160	0d	0.000	ng/ul	
54) 4-Nitrophenol-d4	14.967	143	271577	151.412	ng/ul	0.03
60) Fluorene-d10	0.000	176	0d	0.000	ng/ul	
65) 4,6-Dinitro-2-methylph...	15.878	200	376513	174.872	ng/ul	0.03
73) Anthracene-d10	0.000	188	0d	0.000	ng/ul	
81) Pyrene-d10	0.000	212	0d	0.000	ng/ul	
92) Benzo(a)pyrene-d12	0.000	264	0d	0.000	ng/ul	
Target Compounds						Qvalue
5) Pyridine	3.933	79	427223	178.294	ng/ul	97
6) Benzaldehyde	7.282	77	105857	70.159	ng/ul	98
8) Phenol	7.341	94	539928	165.268	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.570	93	384920	167.234	ng/ul	98
13) 2-Methylphenol	8.598	108	416395	155.157	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.686	45	773763	176.727	ng/ul	99
16) Acetophenone	8.992	105	703249	153.623	ng/ul	99
18) 4-Methylphenol	8.945	108	463126	158.452	ng/ul	88
32) 4-Chloroaniline	11.131	127	616372	164.089	ng/ul	96
34) Caprolactam	11.936	113	148442m	146.422	ng/ul	
40) Hexachlorocyclopentadiene	12.970	237	622853	202.067	ng/ul	93
51) 3-Nitroaniline	14.674	138	240710	134.277	ng/ul	96
53) 2,4-Dinitrophenol	14.873	184	258896	194.472	ng/ul#	92
55) 4-Nitrophenol	14.985	109	262689	116.254	ng/ul	93
63) 4-Nitroaniline	15.843	138	227634	124.164	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.896	198	362719	167.170	ng/ul#	94
70) Atrazine	16.959	200	626067	150.003	ng/ul	99
71) Pentachlorophenol	17.153	266	521564	195.277	ng/ul	97
77) Carbazole	17.899	167	2143613	143.421	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.642	252	1030517	132.494	ng/ul	99
89) Di-n-octyl phthalate	22.852	149	2850786	124.722	ng/ul	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

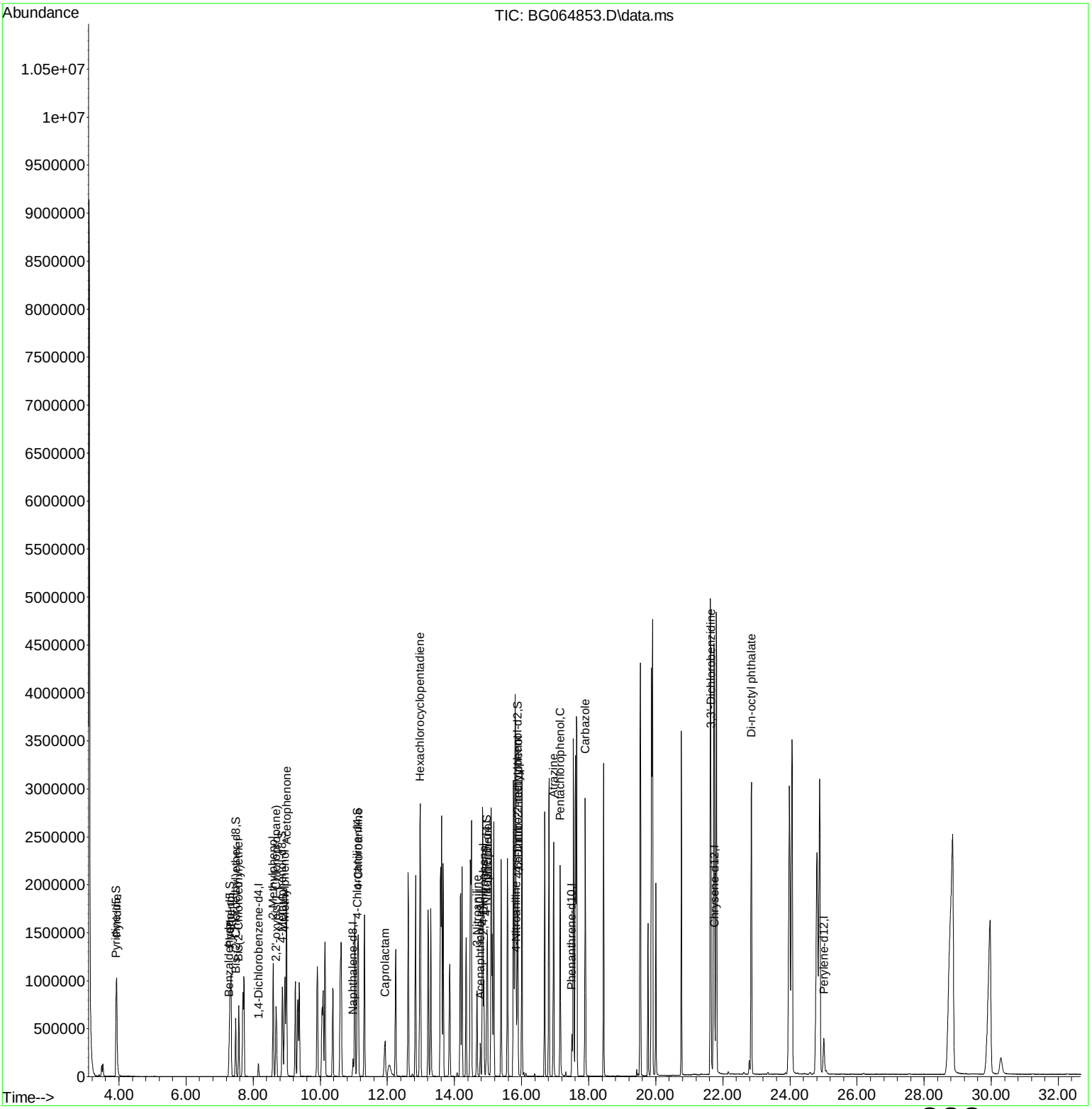
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Acq On : 24 Nov 2025 17:27
Operator : RC/JU
Sample : SSTD16024
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 10:17:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD160424

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (Qedit)

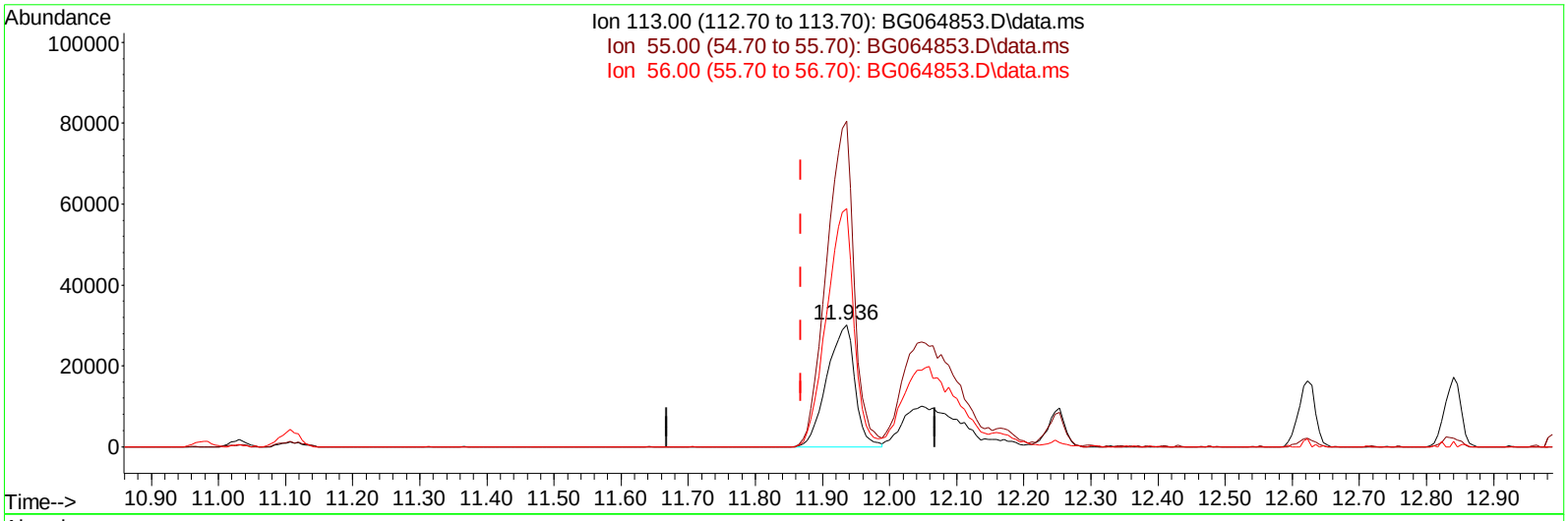
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Data File : BG064853.D
Acq On : 24 Nov 2025 17:27
Operator : RC/JU
Sample : SSTD16024
Misc :
ALS Vial : 7 Sample Multiplier: 1

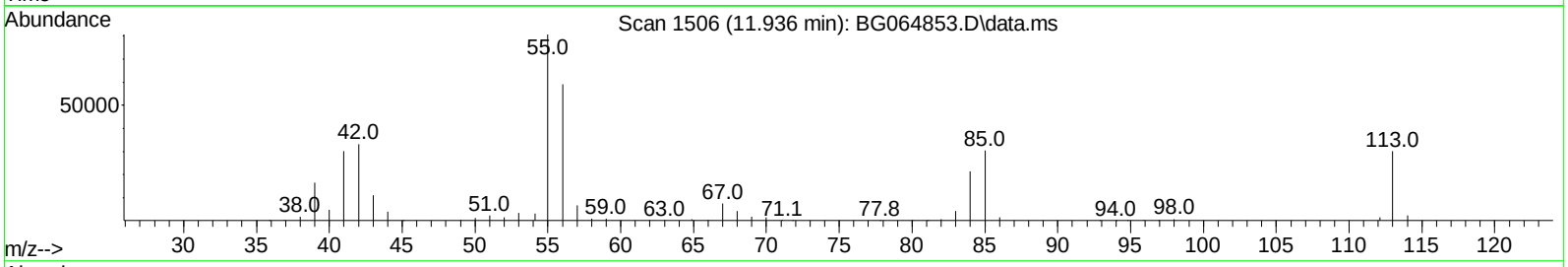
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

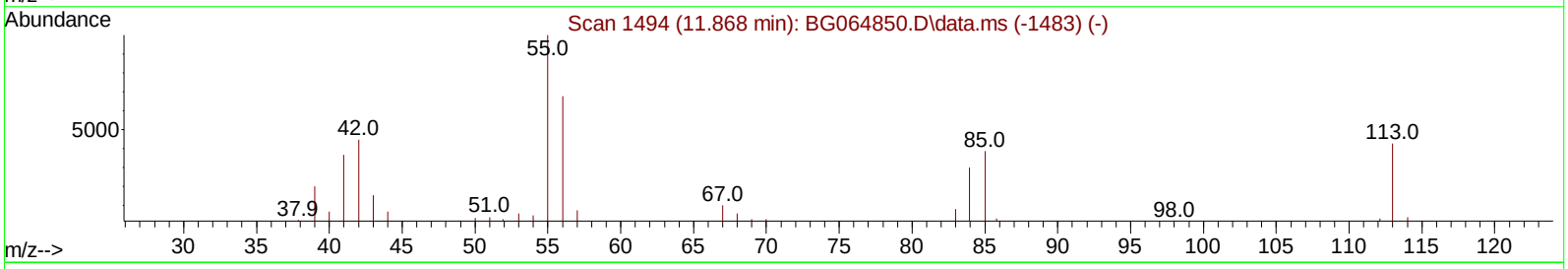
Instrument :
BNA_G
ClientSampleId :
SSTD160424

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064853.D\data.ms

(34) Caprolactam

11.936min (+ 0.068) 85.44 ng/ul

response 86619

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	267.52
56.00	159.40	195.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

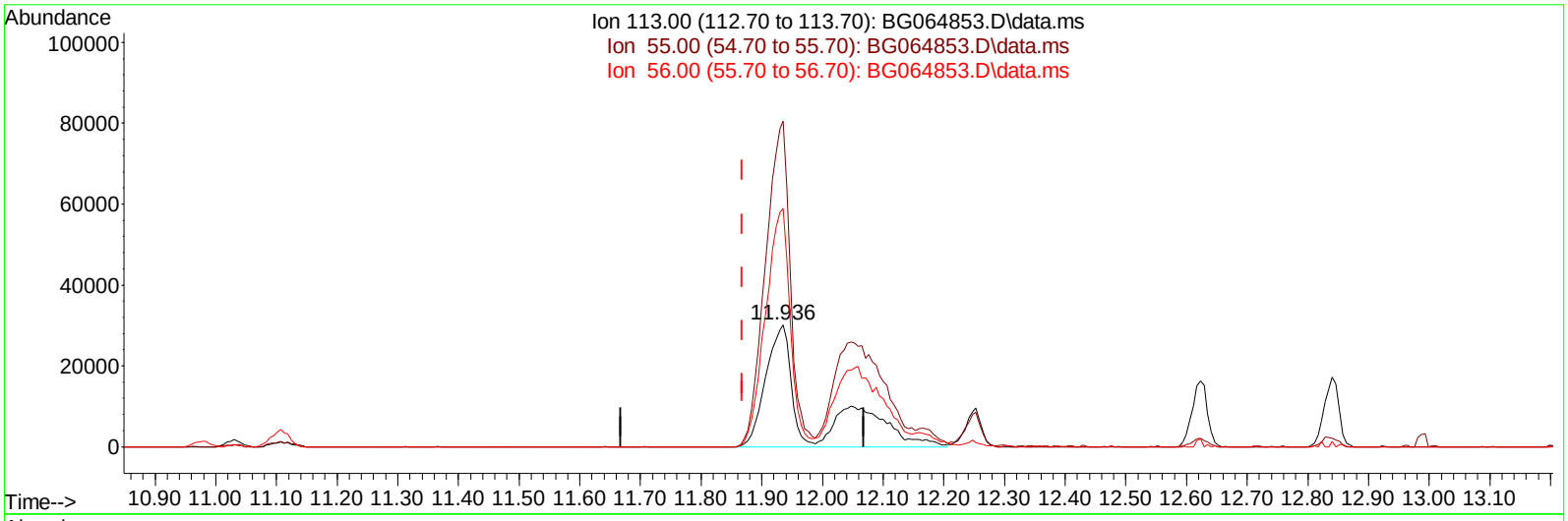
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064853.D
Acq On : 24 Nov 2025 17:27
Operator : RC/JU
Sample : SSTD16024
Misc :
ALS Vial : 7 Sample Multiplier: 1

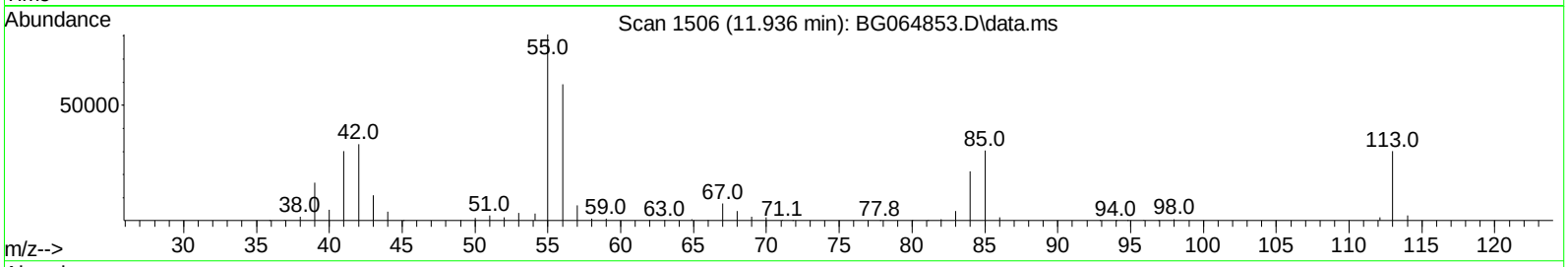
Quant Time: Nov 25 10:15:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

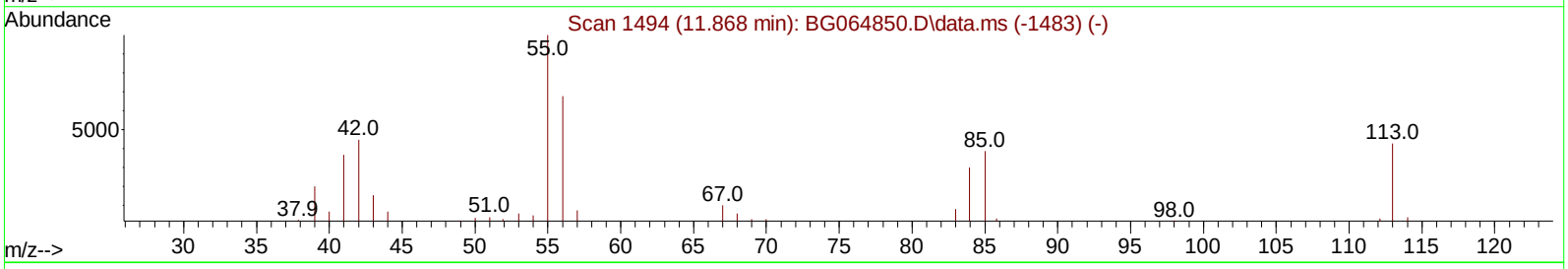
Instrument :
BNA_G
ClientSampleId :
SSTD160424

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064853.D\data.ms

(34) Caprolactam

11.936min (+ 0.068) 146.42 ng/ul m

response 148442

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	267.52
56.00	159.40	195.75#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064853.D
Acq On : 24 Nov 2025 17:27
Operator : RC/JU
Sample : SSTD16024
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 10:17:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD160424

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	38773	20.000	ng/ul	0.00
20) Naphthalene-d8	10.978	136	156800	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.773	164	133627	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	312982	20.000	ng/ul	0.00
79) Chrysene-d12	21.759	240	366092	20.000	ng/ul	0.01
88) Perylene-d12	25.008	264	417781	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	3.910	84	394134	172.133	ng/ul	0.00
7) Phenol-d5	7.312	99	514880	161.861	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.476	67	317733	182.811	ng/ul	0.00
11) 2-Chlorophenol-d4	0.000	132	0d	0.000	ng/ul	
15) 4-Methylphenol-d8	8.869	113	446403	155.861	ng/ul	0.01
21) Nitrobenzene-d5	0.000	128	0d	0.000	ng/ul	
24) 2-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
28) 2,4-Dichlorophenol-d3	0.000	165	0d	0.000	ng/ul	
31) 4-Chloroaniline-d4	11.107	131	613455	161.677	ng/ul	0.00
46) Dimethylphthalate-d6	0.000	166	0d	0.000	ng/ul	
49) Acenaphthylene-d8	0.000	160	0d	0.000	ng/ul	
54) 4-Nitrophenol-d4	14.967	143	271577	151.412	ng/ul	0.03
60) Fluorene-d10	0.000	176	0d	0.000	ng/ul	
65) 4,6-Dinitro-2-methylph...	15.878	200	376513	174.872	ng/ul	0.03
73) Anthracene-d10	0.000	188	0d	0.000	ng/ul	
81) Pyrene-d10	0.000	212	0d	0.000	ng/ul	
92) Benzo(a)pyrene-d12	0.000	264	0d	0.000	ng/ul	
Target Compounds						Qvalue
5) Pyridine	3.933	79	427223	178.294	ng/ul	97
6) Benzaldehyde	7.282	77	105857	70.159	ng/ul	98
8) Phenol	7.341	94	539928	165.268	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.570	93	384920	167.234	ng/ul	98
13) 2-Methylphenol	8.598	108	416395	155.157	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.686	45	773763	176.727	ng/ul	99
16) Acetophenone	8.992	105	703249	153.623	ng/ul	99
18) 4-Methylphenol	8.945	108	463126	158.452	ng/ul	88
32) 4-Chloroaniline	11.131	127	616372	164.089	ng/ul	96
34) Caprolactam	11.936	113	148442m	146.422	ng/ul	
40) Hexachlorocyclopentadiene	12.970	237	622853	202.067	ng/ul	93
51) 3-Nitroaniline	14.674	138	240710	134.277	ng/ul	96
53) 2,4-Dinitrophenol	14.873	184	258896	194.472	ng/ul#	92
55) 4-Nitrophenol	14.985	109	262689	116.254	ng/ul	93
63) 4-Nitroaniline	15.843	138	227634	124.164	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.896	198	362719	167.170	ng/ul#	94
70) Atrazine	16.959	200	626067	150.003	ng/ul	99
71) Pentachlorophenol	17.153	266	521564	195.277	ng/ul	97
77) Carbazole	17.899	167	2143613	143.421	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.642	252	1030517	132.494	ng/ul	99
89) Di-n-octyl phthalate	22.852	149	2850786	124.722	ng/ul	100

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064853.D
Acq On : 24 Nov 2025 17:27
Operator : RC/JU
Sample : SSTD16024
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 10:17:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD160424

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA Level:

Instrument ID: BNA_G Date Analyzed: 11/24/2025 Time: 18:08

Lab File ID: BG064854.D Init. Calib Date(s): 11/24/2025 11/24/2025

EPA Sample No.: SICV425 Init. Calib Time(s): 14:04 17:27

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF020	MIN RRF	%D	MAX %D
N-Nitrosodiphenylamine	0.537	0.493	0.05	-8.4	± 20.0
Bis(2-ethylhexyl)phthalate	0.587	0.524	0.20	-10.6	± 40.0
1,4-Dioxane-d8	0.505	0.429	0.01	-14.9	± 25.0
Pyridine-d5	1.390	1.317	0.01	-5.2	± 40.0
Phenol-d5	1.612	1.393	0.01	-13.6	± 25.0
Bis-(2-Chloroethyl)ether-d8	1.031	1.053	0.05	2.1	± 25.0
2-Chlorophenol-d4	1.222	1.198	0.20	-2.0	± 20.0
4-Methylphenol-d8	1.390	1.256	0.01	-9.6	± 20.0
Nitrobenzene-d5	0.151	0.146	0.05	-3.5	± 20.0
2-Nitrophenol-d4	0.179	0.177	0.05	-1.3	± 30.0
2,4-Dichlorophenol-d3	0.369	0.356	0.06	-3.5	± 20.0
4-Chloroaniline-d4	0.472	0.429	0.01	-9.1	± 40.0
Dimethylphthalate-d6	1.573	1.509	0.30	-4.1	± 20.0
Acenaphthylene-d8	1.685	1.610	0.40	-4.5	± 20.0
4-Nitrophenol-d4	0.239	0.215	0.01	-9.8	± 40.0
Fluorene-d10	1.412	1.341	0.10	-5.0	± 20.0
4,6-Dinitro-2-methylphenol-d2	0.128	0.120	0.01	-6.1	± 40.0
Anthracene-d10	1.011	0.973	0.30	-3.7	± 20.0
Pyrene-d10	1.027	0.988	0.30	-3.8	± 25.0
Benzo(a)pyrene-d12	1.055	0.993	0.01	-5.9	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA Level:

Instrument ID: BNA_G Date Analyzed: 11/25/2025 Time: 11:10

Lab File ID: BG064856.D Init. Calib Date(s): 11/24/2025 11/24/2025

EPA Sample No.: SSTD020454 Init. Calib Time(s): 14:04 17:27

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF020	MIN RRF	%D	MAX %D
N-Nitrosodiphenylamine	0.537	0.556	0.05	3.4	± 20.0
Bis(2-ethylhexyl)phthalate	0.587	0.592	0.20	0.9	± 40.0
1,4-Dioxane-d8	0.505	0.433	0.01	-14.1	± 25.0
Pyridine-d5	1.390	1.247	0.01	-10.3	± 40.0
Phenol-d5	1.612	1.582	0.01	-1.9	± 25.0
Bis-(2-Chloroethyl)ether-d8	1.031	1.070	0.05	3.8	± 25.0
2-Chlorophenol-d4	1.222	1.283	0.20	4.9	± 20.0
4-Methylphenol-d8	1.390	1.378	0.01	-0.8	± 20.0
Nitrobenzene-d5	0.151	0.151	0.05	0.4	± 20.0
2-Nitrophenol-d4	0.179	0.196	0.05	9.6	± 30.0
2,4-Dichlorophenol-d3	0.369	0.384	0.06	4.1	± 20.0
4-Chloroaniline-d4	0.472	0.468	0.01	-0.9	± 40.0
Dimethylphthalate-d6	1.573	1.648	0.30	4.8	± 20.0
Acenaphthylene-d8	1.685	1.723	0.40	2.3	± 20.0
4-Nitrophenol-d4	0.239	0.214	0.01	-10.1	± 40.0
Fluorene-d10	1.412	1.424	0.10	0.9	± 20.0
4,6-Dinitro-2-methylphenol-d2	0.128	0.117	0.01	-8.6	± 40.0
Anthracene-d10	1.011	1.036	0.30	2.5	± 20.0
Pyrene-d10	1.027	1.057	0.30	2.9	± 25.0
Benzo(a)pyrene-d12	1.055	1.082	0.01	2.6	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA Level:

Instrument ID: BNA_G Date Analyzed: 11/25/2025 Time: 21:22

Lab File ID: BG064869.D Init. Calib Date(s): 11/24/2025 11/24/2025

EPA Sample No.: SSTD020455 Init. Calib Time(s): 14:04 17:27

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF020	MIN RRF	%D	MAX %D
N-Nitrosodiphenylamine	0.537	0.529	0.05	-1.6	± 20.0
Bis(2-ethylhexyl)phthalate	0.587	0.528	0.20	-10.0	± 40.0
1,4-Dioxane-d8	0.505	0.333	0.01	-34.1	± 25.0
Pyridine-d5	1.390	1.100	0.01	-20.9	± 40.0
Phenol-d5	1.612	1.401	0.01	-13.1	± 25.0
Bis-(2-Chloroethyl)ether-d8	1.031	0.849	0.05	-17.7	± 25.0
2-Chlorophenol-d4	1.222	1.240	0.20	1.4	± 20.0
4-Methylphenol-d8	1.390	1.263	0.01	-9.1	± 20.0
Nitrobenzene-d5	0.151	0.163	0.05	8.3	± 20.0
2-Nitrophenol-d4	0.179	0.195	0.05	8.8	± 30.0
2,4-Dichlorophenol-d3	0.369	0.397	0.06	7.5	± 20.0
4-Chloroaniline-d4	0.472	0.461	0.01	-2.4	± 40.0
Dimethylphthalate-d6	1.573	1.626	0.30	3.3	± 20.0
Acenaphthylene-d8	1.685	1.714	0.40	1.7	± 20.0
4-Nitrophenol-d4	0.239	0.219	0.01	-8.3	± 40.0
Fluorene-d10	1.412	1.448	0.10	2.5	± 20.0
4,6-Dinitro-2-methylphenol-d2	0.128	0.121	0.01	-5.5	± 40.0
Anthracene-d10	1.011	1.029	0.30	1.8	± 20.0
Pyrene-d10	1.027	1.041	0.30	1.3	± 25.0
Benzo(a)pyrene-d12	1.055	1.089	0.01	3.2	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA Level:

Instrument ID: BNA_G Date Analyzed: 11/26/2025 Time: 06:54

Lab File ID: BG064882.D Init. Calib Date(s): 11/24/2025 11/24/2025

EPA Sample No.: SSTD020456 Init. Calib Time(s): 14:04 17:27

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF020	MIN RRF	%D	MAX %D
N-Nitrosodiphenylamine	0.537	0.541	0.05	0.7	± 20.0
Bis(2-ethylhexyl)phthalate	0.587	0.529	0.20	-9.9	± 40.0
1,4-Dioxane-d8	0.505	0.416	0.01	-17.6	± 25.0
Pyridine-d5	1.390	1.051	0.01	-24.4	± 40.0
Phenol-d5	1.612	1.458	0.01	-9.5	± 25.0
Bis-(2-Chloroethyl)ether-d8	1.031	0.812	0.05	-21.3	± 25.0
2-Chlorophenol-d4	1.222	1.234	0.20	1.0	± 20.0
4-Methylphenol-d8	1.390	1.289	0.01	-7.2	± 20.0
Nitrobenzene-d5	0.151	0.162	0.05	7.4	± 20.0
2-Nitrophenol-d4	0.179	0.201	0.05	11.9	± 30.0
2,4-Dichlorophenol-d3	0.369	0.426	0.06	15.4	± 20.0
4-Chloroaniline-d4	0.472	0.470	0.01	-0.5	± 40.0
Dimethylphthalate-d6	1.573	1.631	0.30	3.7	± 20.0
Acenaphthylene-d8	1.685	1.745	0.40	3.6	± 20.0
4-Nitrophenol-d4	0.239	0.225	0.01	-5.9	± 40.0
Fluorene-d10	1.412	1.499	0.10	6.1	± 20.0
4,6-Dinitro-2-methylphenol-d2	0.128	0.128	0.01	0.1	± 40.0
Anthracene-d10	1.011	1.038	0.30	2.7	± 20.0
Pyrene-d10	1.027	1.046	0.30	1.8	± 25.0
Benzo(a)pyrene-d12	1.055	1.089	0.01	3.2	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA Level:

Instrument ID: BNA_G Date Analyzed: 11/26/2025 Time: 15:42

Lab File ID: BG064890.D Init. Calib Date(s): 11/24/2025 11/24/2025

EPA Sample No.: SSTD020457 Init. Calib Time(s): 14:04 17:27

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF020	MIN RRF	%D	MAX %D
N-Nitrosodiphenylamine	0.537	0.538	0.05	0.1	± 20.0
Bis(2-ethylhexyl)phthalate	0.587	0.517	0.20	-11.9	± 40.0
1,4-Dioxane-d8	0.505	0.437	0.01	-13.4	± 25.0
Pyridine-d5	1.390	1.107	0.01	-20.4	± 40.0
Phenol-d5	1.612	1.463	0.01	-9.2	± 25.0
Bis-(2-Chloroethyl)ether-d8	1.031	0.853	0.05	-17.2	± 25.0
2-Chlorophenol-d4	1.222	1.262	0.20	3.2	± 20.0
4-Methylphenol-d8	1.390	1.330	0.01	-4.3	± 20.0
Nitrobenzene-d5	0.151	0.157	0.05	4.3	± 20.0
2-Nitrophenol-d4	0.179	0.204	0.05	13.9	± 30.0
2,4-Dichlorophenol-d3	0.369	0.408	0.06	10.4	± 20.0
4-Chloroaniline-d4	0.472	0.456	0.01	-3.4	± 40.0
Dimethylphthalate-d6	1.573	1.578	0.30	0.3	± 20.0
Acenaphthylene-d8	1.685	1.717	0.40	1.9	± 20.0
4-Nitrophenol-d4	0.239	0.214	0.01	-10.2	± 40.0
Fluorene-d10	1.412	1.458	0.10	3.2	± 20.0
4,6-Dinitro-2-methylphenol-d2	0.128	0.127	0.01	-0.5	± 40.0
Anthracene-d10	1.011	1.017	0.30	0.6	± 20.0
Pyrene-d10	1.027	1.040	0.30	1.3	± 25.0
Benzo(a)pyrene-d12	1.055	1.081	0.01	2.5	± 20.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA Level:

Instrument ID: BNA_G Date Analyzed: 11/26/2025 Time: 22:31

Lab File ID: BG064900.D Init. Calib Date(s): 11/24/2025 11/24/2025

EPA Sample No.: SSTD020458 Init. Calib Time(s): 14:04 17:27

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF020	MIN RRF	%D	MAX %D
N-Nitrosodiphenylamine	0.537	0.540	0.05	0.5	± 50.0
Bis(2-ethylhexyl)phthalate	0.587	0.531	0.20	-9.4	± 50.0
1,4-Dioxane-d8	0.505	0.385	0.01	-23.7	± 50.0
Pyridine-d5	1.390	0.981	0.01	-29.4	± 50.0
Phenol-d5	1.612	1.432	0.01	-11.2	± 50.0
Bis-(2-Chloroethyl)ether-d8	1.031	0.785	0.05	-23.9	± 50.0
2-Chlorophenol-d4	1.222	1.240	0.20	1.5	± 50.0
4-Methylphenol-d8	1.390	1.286	0.01	-7.4	± 50.0
Nitrobenzene-d5	0.151	0.165	0.05	9.4	± 50.0
2-Nitrophenol-d4	0.179	0.197	0.05	10.2	± 50.0
2,4-Dichlorophenol-d3	0.369	0.413	0.06	11.7	± 50.0
4-Chloroaniline-d4	0.472	0.441	0.01	-6.5	± 50.0
Dimethylphthalate-d6	1.573	1.600	0.30	1.7	± 50.0
Acenaphthylene-d8	1.685	1.749	0.40	3.8	± 50.0
4-Nitrophenol-d4	0.239	0.226	0.01	-5.2	± 50.0
Fluorene-d10	1.412	1.465	0.10	3.7	± 50.0
4,6-Dinitro-2-methylphenol-d2	0.128	0.129	0.01	0.5	± 50.0
Anthracene-d10	1.011	1.035	0.30	2.4	± 50.0
Pyrene-d10	1.027	1.027	0.30	-0.1	± 50.0
Benzo(a)pyrene-d12	1.055	1.069	0.01	1.3	± 50.0

Quantitation Report (QT Reviewed)

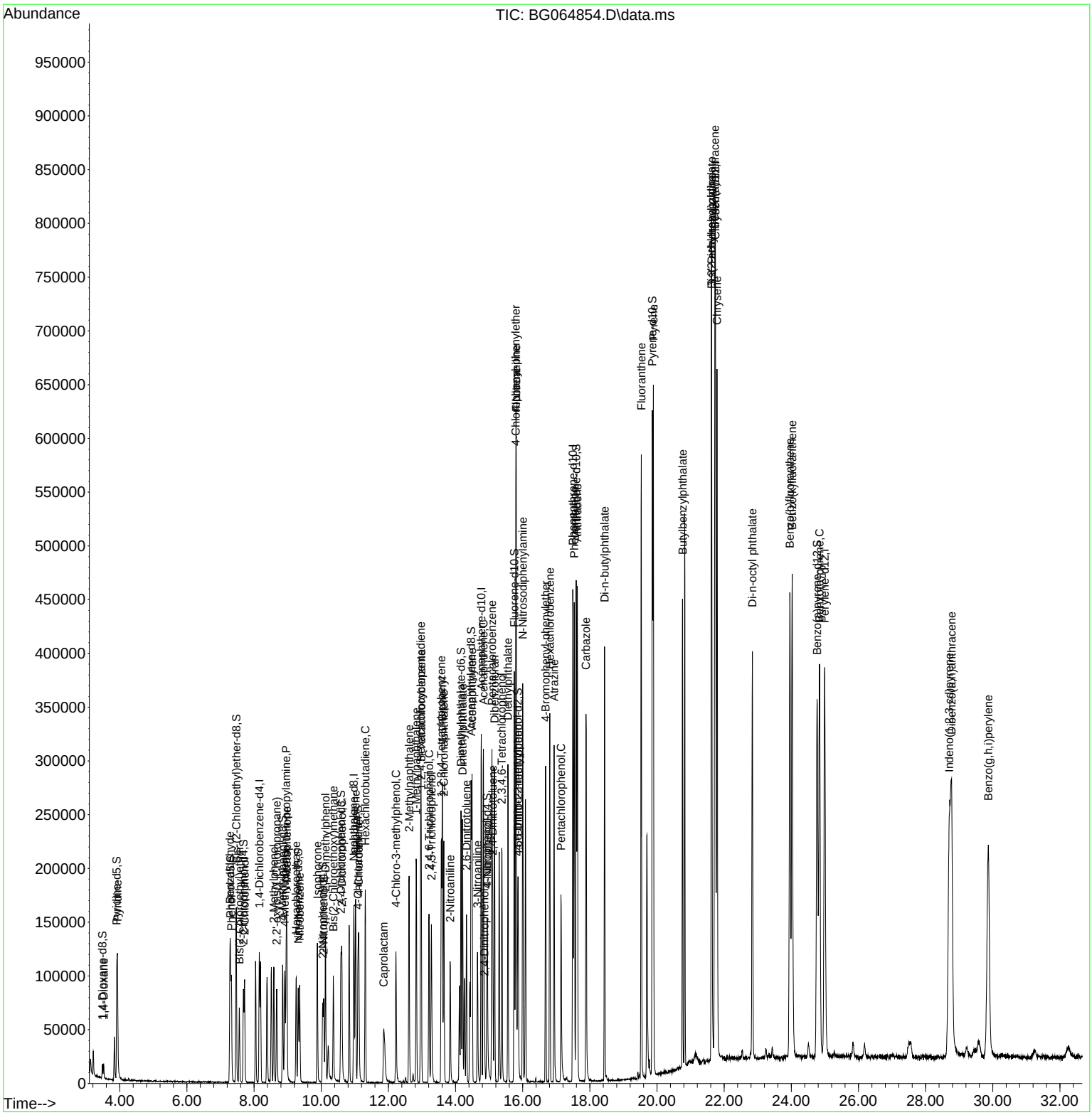
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Data File : BG064854.D
Acq On : 24 Nov 2025 18:08
Operator : RC/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 10:26:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SICV425

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064854.D
Acq On : 24 Nov 2025 18:08
Operator : RC/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 10:26:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SICV425

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	34978	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	142484	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	123153	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	313561	20.000	ng/ul	0.00
79) Chrysene-d12	21.742	240	394468	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	439456	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	6005	6.805	ng/uL	0.00
4) Pyridine-d5	3.910	84	46079	18.951	ng/ul	0.00
7) Phenol-d5	7.300	99	48722	17.279	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	36818	20.416	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	41907	19.605	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	43915	18.070	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	20745	19.303	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	25187	19.732	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.584	165	50784	19.296	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	61134	18.173	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	185795	19.179	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	198219	19.106	ng/ul	0.00
54) 4-Nitrophenol-d4	14.938	143	26509	18.050	ng/ul	0.00
60) Fluorene-d10	15.749	176	165202	18.996	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	37695	18.777	ng/ul	0.00
73) Anthracene-d10	17.594	188	305060	19.254	ng/ul	0.00
81) Pyrene-d10	19.862	212	389768	19.236	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.768	264	436301	18.818	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.522	88	6104	5.980	ng/uL#	85
5) Pyridine	3.933	79	45762	17.189	ng/ul	96
6) Benzaldehyde	7.282	77	35531	25.656	ng/ul	94
8) Phenol	7.323	94	50297	17.088	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.564	93	37357	17.162	ng/ul	96
12) 2-Chlorophenol	7.717	128	40659	17.959	ng/ul	99
13) 2-Methylphenol	8.587	108	39345	16.885	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.675	45	76915	16.830	ng/ul	100
16) Acetophenone	8.974	105	69010	17.264	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.957	70	33852	17.654	ng/ul#	96
18) 4-Methylphenol	8.916	108	43541	17.032	ng/ul	92
19) Hexachloroethane	9.251	117	17812	17.630	ng/ul	93
22) Nitrobenzene	9.356	77	51093	18.510	ng/ul	100
23) Isophorone	9.885	82	96353	17.819	ng/ul	99
25) 2-Nitrophenol	10.073	139	23836	17.762	ng/ul	95
26) 2,4-Dimethylphenol	10.126	107	49975	17.289	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.361	93	54798	18.070	ng/ul	97
29) 2,4-Dichlorophenol	10.614	162	44399	18.089	ng/ul	99
30) Naphthalene	11.025	128	141767	17.313	ng/ul	99
32) 4-Chloroaniline	11.119	127	60679	17.723	ng/ul	97
33) Hexachlorobutadiene	11.313	225	46294	17.981	ng/ul	98
34) Caprolactam	11.859	113	15740m	18.352	ng/ul	
35) 4-Chloro-3-methylphenol	12.224	107	49521	18.527	ng/ul	97
36) 2-Methylnaphthalene	12.617	142	99787	16.262	ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064854.D
Acq On : 24 Nov 2025 18:08
Operator : RC/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 10:26:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SICV425

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.829	142	103037	17.155	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.982	216	83607	17.670	ng/ul	95
40) Hexachlorocyclopentadiene	12.964	237	54109	16.507	ng/ul	97
41) 2,4,6-Trichlorophenol	13.211	196	48435	18.518	ng/ul	95
42) 2,4,5-Trichlorophenol	13.281	196	55319	20.072	ng/ul	98
43) 1,1'-Biphenyl	13.610	154	154813	17.856	ng/ul	99
44) 2-Chloronaphthalene	13.651	162	119429	17.547	ng/ul	98
45) 2-Nitroaniline	13.845	65	38179	18.869	ng/ul	95
47) Dimethylphthalate	14.209	163	176520	17.856	ng/ul	98
48) 2,6-Dinitrotoluene	14.327	165	34792	19.180	ng/ul	92
50) Acenaphthylene	14.492	152	213533	17.990	ng/ul	99
51) 3-Nitroaniline	14.656	138	33116	21.049	ng/ul	97
52) Acenaphthene	14.832	153	137221	17.631	ng/ul	96
53) 2,4-Dinitrophenol	14.862	184	16356	15.332	ng/ul	92
55) 4-Nitrophenol	14.950	109	23275	17.144	ng/ul	93
56) Dibenzofuran	15.161	168	213080	17.937	ng/ul	100
57) 2,4-Dinitrotoluene	15.108	165	51878	18.798	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.379	232	60581	19.412	ng/ul#	98
59) Diethylphthalate	15.561	149	174369	17.960	ng/ul	98
61) Fluorene	15.808	166	170404	18.287	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.796	204	100601	17.704	ng/ul	99
63) 4-Nitroaniline	15.808	138	34381	21.224	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.866	198	34619	17.744	ng/ul	95
67) N-Nitrosodiphenylamine	16.002	169	154448	18.328	ng/ul	98
68) 4-Bromophenyl-phenylether	16.683	248	75562	18.076	ng/ul	98
69) Hexachlorobenzene	16.806	284	90187	17.783	ng/ul	97
70) Atrazine	16.936	200	75265	18.668	ng/ul	98
71) Pentachlorophenol	17.141	266	47498	16.866	ng/ul	97
72) Phenanthrene	17.535	178	309100	17.629	ng/ul	99
74) Anthracene	17.629	178	319142	18.147	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.575	216	83963	17.811	ng/ul	97
76) Pentachlorobenzene	15.085	250	94125	17.575	ng/ul	94
77) Carbazole	17.888	167	272404	18.993	ng/ul	97
78) Di-n-butylphthalate	18.440	149	308880	18.620	ng/ul	100
80) Fluoranthene	19.533	202	404668	17.829	ng/ul	99
82) Pyrene	19.891	202	424521	17.920	ng/ul	99
83) Butylbenzylphthalate	20.761	149	139919	17.885	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.630	252	179283	21.342	ng/ul	98
85) Benzo(a)anthracene	21.724	228	480731	18.178	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.624	149	206874	17.879	ng/ul	99
87) Chrysene	21.789	228	456436	17.831	ng/ul	100
89) Di-n-octyl phthalate	22.841	149	353674	17.661	ng/ul	100
90) Benzo(b)fluoranthene	23.957	252	480475	17.758	ng/ul	99
91) Benzo(k)fluoranthene	24.027	252	499146	18.029	ng/ul	97
93) Benzo(a)pyrene	24.844	252	463928	18.028	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.704	276	559779	16.932	ng/ul	99
95) Dibenzo(a,h)anthracene	28.775	278	451950	16.946	ng/ul	99
96) Benzo(g,h,i)perylene	29.868	276	458935	17.198	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

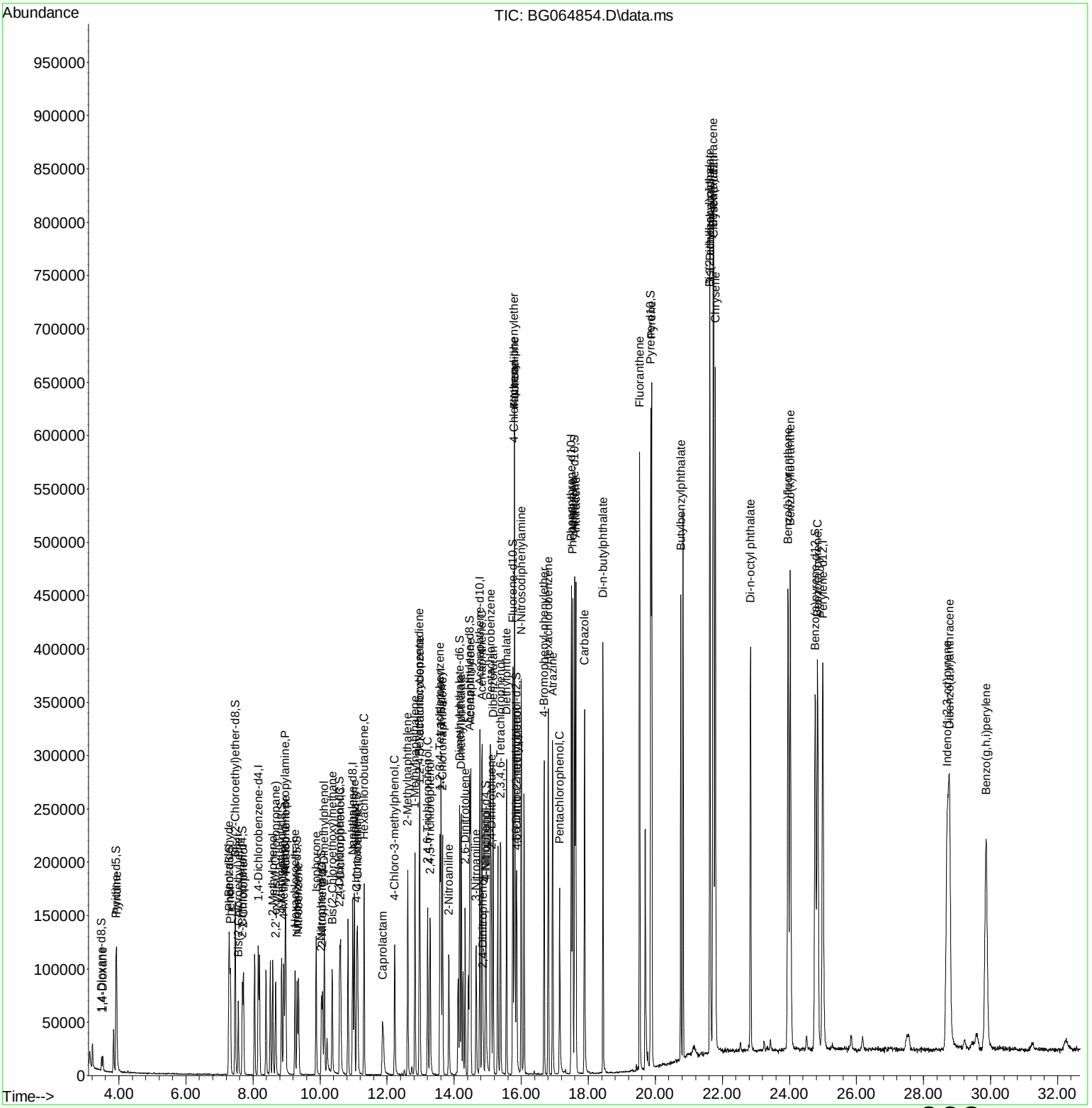
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Data File : BG064854.D
Acq On : 24 Nov 2025 18:08
Operator : RC/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 10:26:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SICV425

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Quantitation Report (Qedit)

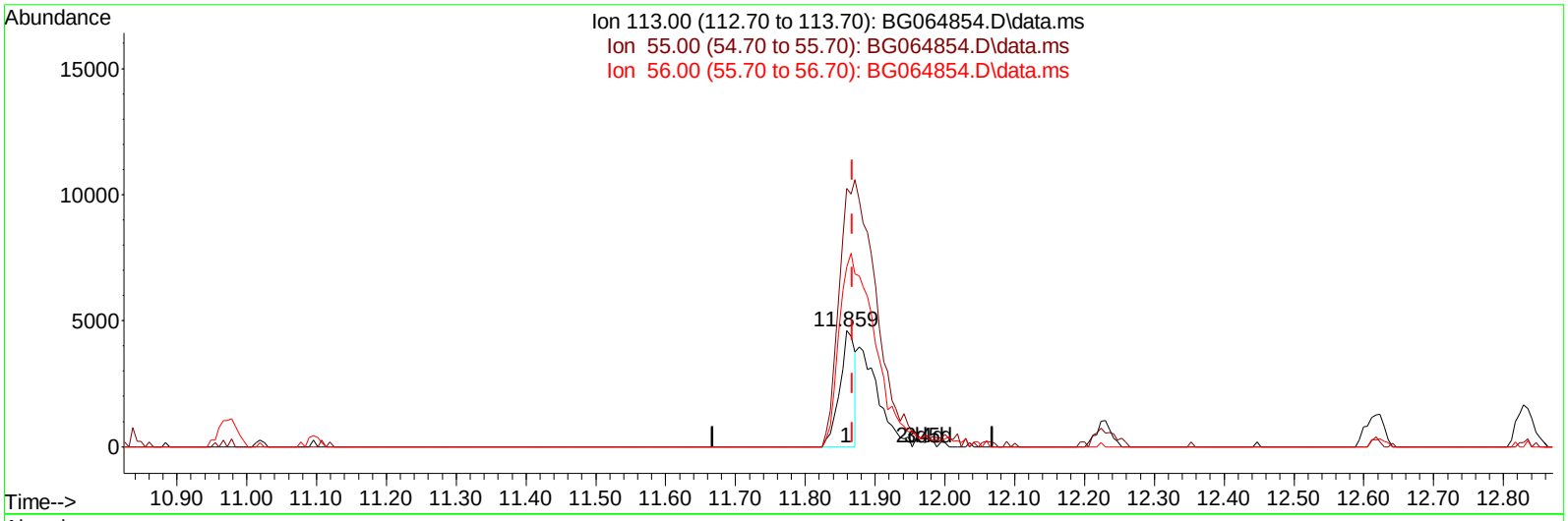
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Data File : BG064854.D
Acq On : 24 Nov 2025 18:08
Operator : RC/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

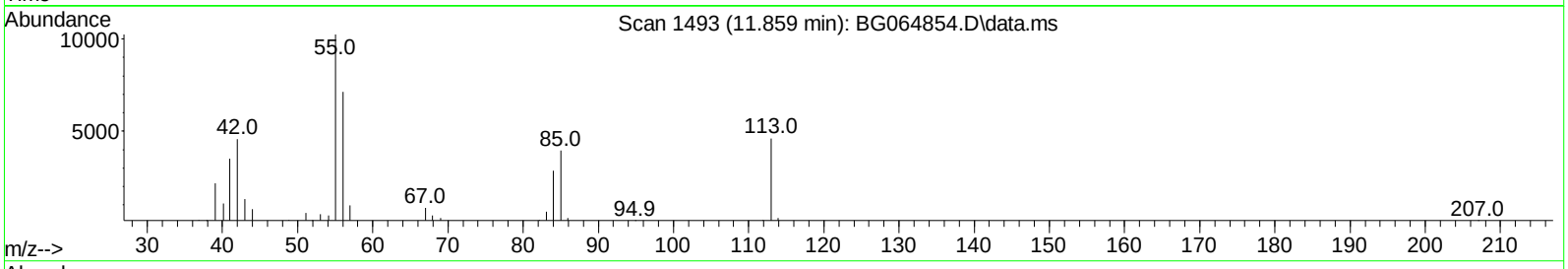
Quant Time: Nov 25 10:24:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

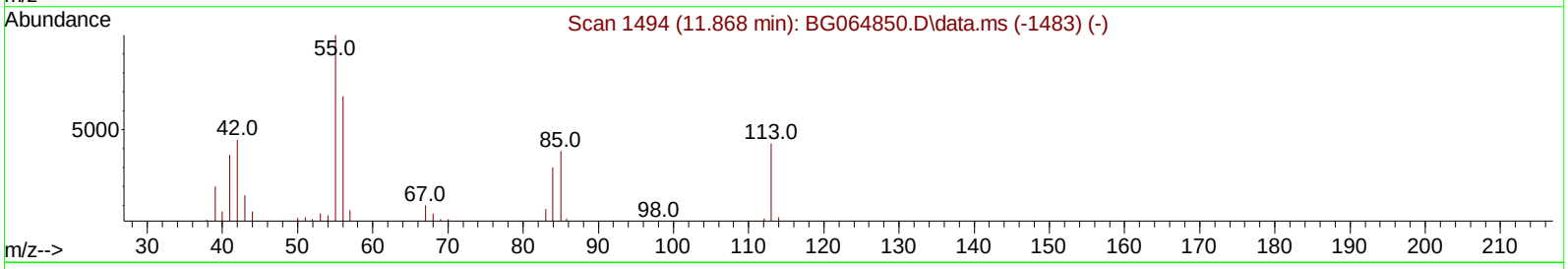
Instrument :
BNA_G
ClientSampleId :
SICV425

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064854.D\data.ms

(34) Caprolactam

11.859min (-0.009) 8.15 ng/ul

response 6986

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	222.49
56.00	159.40	154.92
0.00	0.00	0.00

Quantitation Report (Qedit)

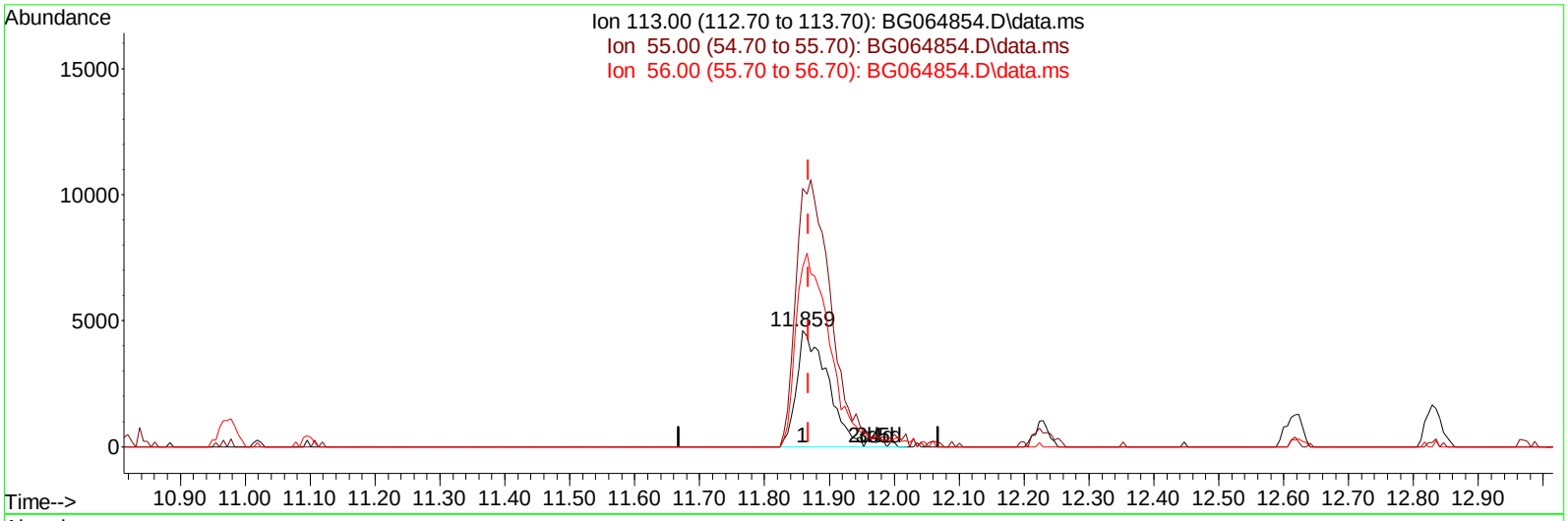
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064854.D
Acq On : 24 Nov 2025 18:08
Operator : RC/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

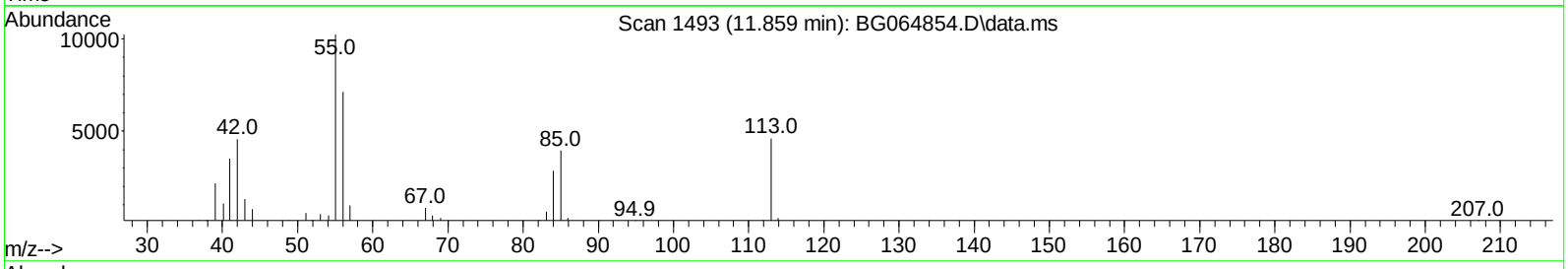
Quant Time: Nov 25 10:24:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

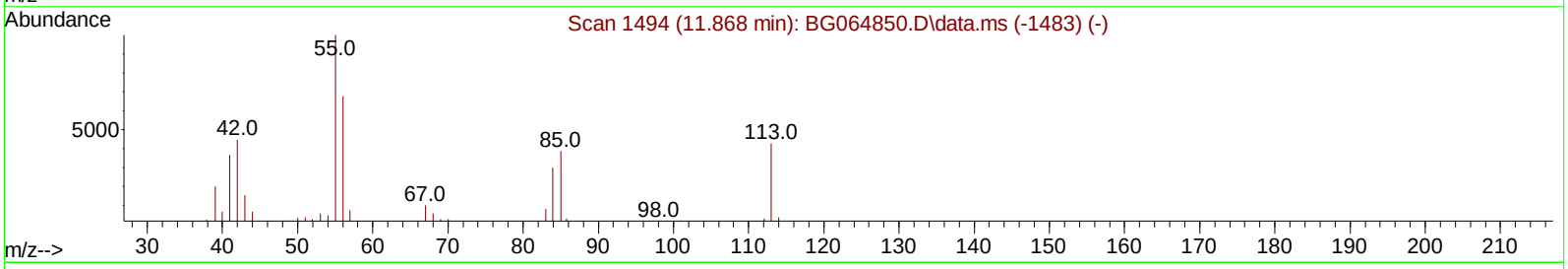
Instrument :
BNA_G
ClientSampleId :
SICV425

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025







TIC: BG064854.D\data.ms

(34) Caprolactam

11.859min (-0.009) 18.35 ng/ul m

response 15740

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	222.49
56.00	159.40	154.92
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064854.D
Acq On : 24 Nov 2025 18:08
Operator : RC/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 10:26:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SICV425

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	34978	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	142484	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	123153	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	313561	20.000	ng/ul	0.00
79) Chrysene-d12	21.742	240	394468	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	439456	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	6005	6.805	ng/uL	0.00
4) Pyridine-d5	3.910	84	46079	18.951	ng/ul	0.00
7) Phenol-d5	7.300	99	48722	17.279	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	36818	20.416	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	41907	19.605	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	43915	18.070	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	20745	19.303	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	25187	19.732	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.584	165	50784	19.296	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	61134	18.173	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	185795	19.179	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	198219	19.106	ng/ul	0.00
54) 4-Nitrophenol-d4	14.938	143	26509	18.050	ng/ul	0.00
60) Fluorene-d10	15.749	176	165202	18.996	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	37695	18.777	ng/ul	0.00
73) Anthracene-d10	17.594	188	305060	19.254	ng/ul	0.00
81) Pyrene-d10	19.862	212	389768	19.236	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.768	264	436301	18.818	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.522	88	6104	5.980	ng/uL#	85
5) Pyridine	3.933	79	45762	17.189	ng/ul	96
6) Benzaldehyde	7.282	77	35531	25.656	ng/ul	94
8) Phenol	7.323	94	50297	17.088	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.564	93	37357	17.162	ng/ul	96
12) 2-Chlorophenol	7.717	128	40659	17.959	ng/ul	99
13) 2-Methylphenol	8.587	108	39345	16.885	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.675	45	76915	16.830	ng/ul	100
16) Acetophenone	8.974	105	69010	17.264	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.957	70	33852	17.654	ng/ul#	96
18) 4-Methylphenol	8.916	108	43541	17.032	ng/ul	92
19) Hexachloroethane	9.251	117	17812	17.630	ng/ul	93
22) Nitrobenzene	9.356	77	51093	18.510	ng/ul	100
23) Isophorone	9.885	82	96353	17.819	ng/ul	99
25) 2-Nitrophenol	10.073	139	23836	17.762	ng/ul	95
26) 2,4-Dimethylphenol	10.126	107	49975	17.289	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.361	93	54798	18.070	ng/ul	97
29) 2,4-Dichlorophenol	10.614	162	44399	18.089	ng/ul	99
30) Naphthalene	11.025	128	141767	17.313	ng/ul	99
32) 4-Chloroaniline	11.119	127	60679	17.723	ng/ul	97
33) Hexachlorobutadiene	11.313	225	46294	17.981	ng/ul	98
34) Caprolactam	11.859	113	15740m	18.352	ng/ul	
35) 4-Chloro-3-methylphenol	12.224	107	49521	18.527	ng/ul	97

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064854.D
Acq On : 24 Nov 2025 18:08
Operator : RC/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 10:26:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SICV425

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.617	142	99787	16.262	ng/ul	98
37) 1-Methylnaphthalene	12.829	142	103037	17.155	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.982	216	83607	17.670	ng/ul	95
40) Hexachlorocyclopentadiene	12.964	237	54109	16.507	ng/ul	97
41) 2,4,6-Trichlorophenol	13.211	196	48435	18.518	ng/ul	95
42) 2,4,5-Trichlorophenol	13.281	196	55319	20.072	ng/ul	98
43) 1,1'-Biphenyl	13.610	154	154813	17.856	ng/ul	99
44) 2-Chloronaphthalene	13.651	162	119429	17.547	ng/ul	98
45) 2-Nitroaniline	13.845	65	38179	18.869	ng/ul	95
47) Dimethylphthalate	14.209	163	176520	17.856	ng/ul	98
48) 2,6-Dinitrotoluene	14.327	165	34792	19.180	ng/ul	92
50) Acenaphthylene	14.492	152	213533	17.990	ng/ul	99
51) 3-Nitroaniline	14.656	138	33116	21.049	ng/ul	97
52) Acenaphthene	14.832	153	137221	17.631	ng/ul	96
53) 2,4-Dinitrophenol	14.862	184	16356	15.332	ng/ul	92
55) 4-Nitrophenol	14.950	109	23275	17.144	ng/ul	93
56) Dibenzofuran	15.161	168	213080	17.937	ng/ul	100
57) 2,4-Dinitrotoluene	15.108	165	51878	18.798	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.379	232	60581	19.412	ng/ul#	98
59) Diethylphthalate	15.561	149	174369	17.960	ng/ul	98
61) Fluorene	15.808	166	170404	18.287	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.796	204	100601	17.704	ng/ul	99
63) 4-Nitroaniline	15.808	138	34381	21.224	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.866	198	34619	17.744	ng/ul	95
67) N-Nitrosodiphenylamine	16.002	169	154448	18.328	ng/ul	98
68) 4-Bromophenyl-phenylether	16.683	248	75562	18.076	ng/ul	98
69) Hexachlorobenzene	16.806	284	90187	17.783	ng/ul	97
70) Atrazine	16.936	200	75265	18.668	ng/ul	98
71) Pentachlorophenol	17.141	266	47498	16.866	ng/ul	97
72) Phenanthrene	17.535	178	309100	17.629	ng/ul	99
74) Anthracene	17.629	178	319142	18.147	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.575	216	83963	17.811	ng/ul	97
76) Pentachlorobenzene	15.085	250	94125	17.575	ng/ul	94
77) Carbazole	17.888	167	272404	18.993	ng/ul	97
78) Di-n-butylphthalate	18.440	149	308880	18.620	ng/ul	100
80) Fluoranthene	19.533	202	404668	17.829	ng/ul	99
82) Pyrene	19.891	202	424521	17.920	ng/ul	99
83) Butylbenzylphthalate	20.761	149	139919	17.885	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.630	252	179283	21.342	ng/ul	98
85) Benzo(a)anthracene	21.724	228	480731	18.178	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.624	149	206874	17.879	ng/ul	99
87) Chrysene	21.789	228	456436	17.831	ng/ul	100
89) Di-n-octyl phthalate	22.841	149	353674	17.661	ng/ul	100
90) Benzo(b)fluoranthene	23.957	252	480475	17.758	ng/ul	99
91) Benzo(k)fluoranthene	24.027	252	499146	18.029	ng/ul	97
93) Benzo(a)pyrene	24.844	252	463928	18.028	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.704	276	559779	16.932	ng/ul	99
95) Dibenzo(a,h)anthracene	28.775	278	451950	16.946	ng/ul	99
96) Benzo(g,h,i)perylene	29.868	276	458935	17.198	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

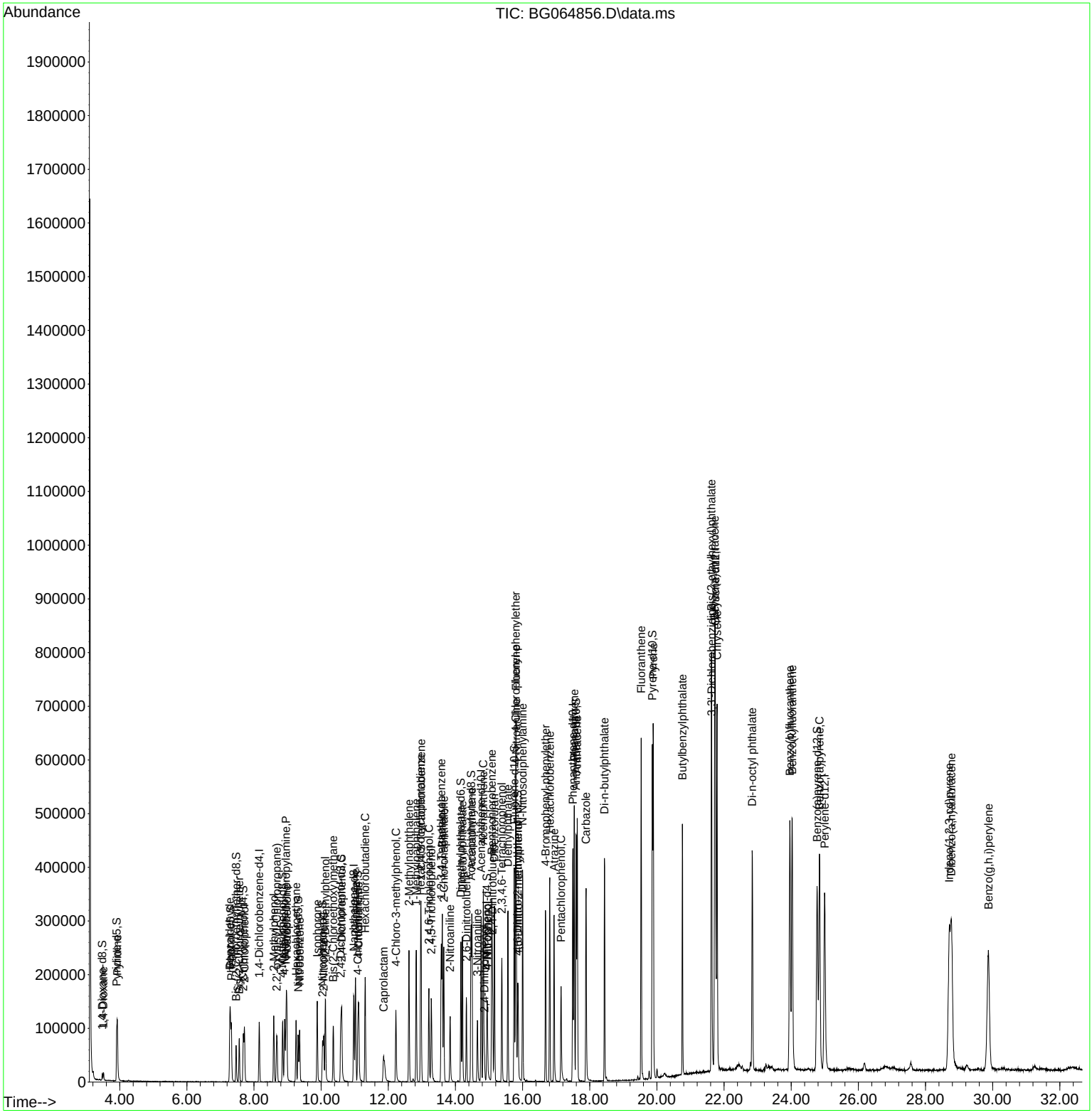
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064856.D
Acq On : 25 Nov 2025 11:10
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 12:01:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020454

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064856.D
Acq On : 25 Nov 2025 11:10
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020454

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 12:01:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	33635	20.000	ng/ul	0.00
20) Naphthalene-d8	10.969	136	139965	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.765	164	118841	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	296436	20.000	ng/ul	0.00
79) Chrysene-d12	21.739	240	372851	20.000	ng/ul	0.00
88) Perylene-d12	24.994	264	407786	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	5832	6.873	ng/uL	0.00
4) Pyridine-d5	3.907	84	41945	17.939	ng/ul	0.00
7) Phenol-d5	7.297	99	53217	19.627	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	36005	20.763	ng/ul	0.00
11) 2-Chlorophenol-d4	7.679	132	43144	20.989	ng/ul	0.00
15) 4-Methylphenol-d8	8.848	113	46361	19.839	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	21200	20.082	ng/ul	0.00
24) 2-Nitrophenol-d4	10.041	143	27490	21.924	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.582	165	53816	20.817	ng/ul	0.00
31) 4-Chloroaniline-d4	11.093	131	65504	19.823	ng/ul	0.00
46) Dimethylphthalate-d6	14.160	166	195894	20.955	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	204775	20.454	ng/ul	0.00
54) 4-Nitrophenol-d4	14.935	143	25476	17.976	ng/ul	0.00
60) Fluorene-d10	15.752	176	169281	20.171	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	34709	18.288	ng/ul	0.00
73) Anthracene-d10	17.591	188	306983	20.495	ng/ul	0.00
81) Pyrene-d10	19.865	212	393970	20.571	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	441302	20.512	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.513	88	6945	7.075	ng/uL	91
5) Pyridine	3.931	79	46944	18.337	ng/ul	94
6) Benzaldehyde	7.280	77	34716	26.068	ng/ul#	83
8) Phenol	7.327	94	54639	19.304	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.562	93	42353	20.234	ng/ul	98
12) 2-Chlorophenol	7.714	128	44563	20.470	ng/ul	96
13) 2-Methylphenol	8.590	108	45211	20.178	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.678	45	90662	20.630	ng/ul	99
16) Acetophenone	8.978	105	77458	20.151	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.954	70	38800	21.042	ng/ul#	98
18) 4-Methylphenol	8.913	108	48784	19.845	ng/ul	84
19) Hexachloroethane	9.254	117	19863	20.444	ng/ul	95
22) Nitrobenzene	9.360	77	54198	19.988	ng/ul	98
23) Isophorone	9.882	82	115052	21.660	ng/ul	99
25) 2-Nitrophenol	10.076	139	26560	20.148	ng/ul#	95
26) 2,4-Dimethylphenol	10.123	107	60505	21.309	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.358	93	62413	20.952	ng/ul#	94
29) 2,4-Dichlorophenol	10.611	162	50760	21.052	ng/ul	96
30) Naphthalene	11.022	128	162976	20.262	ng/ul	97
32) 4-Chloroaniline	11.116	127	66049	19.638	ng/ul	96
33) Hexachlorobutadiene	11.310	225	52250	20.660	ng/ul	93
34) Caprolactam	11.863	113	15606m	18.523	ng/ul	
35) 4-Chloro-3-methylphenol	12.227	107	52199	19.880	ng/ul	94
36) 2-Methylnaphthalene	12.615	142	122374	20.302	ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064856.D
Acq On : 25 Nov 2025 11:10
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 12:01:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020454

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.832	142	123271	20.894	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.979	216	95836	20.990	ng/ul	98
40) Hexachlorocyclopentadiene	12.961	237	60272	19.054	ng/ul	99
41) 2,4,6-Trichlorophenol	13.208	196	51888	20.558	ng/ul	99
42) 2,4,5-Trichlorophenol	13.278	196	55642	20.922	ng/ul	98
43) 1,1'-Biphenyl	13.608	154	173205	20.702	ng/ul	99
44) 2-Chloronaphthalene	13.655	162	135482	20.627	ng/ul	97
45) 2-Nitroaniline	13.843	65	40190	20.583	ng/ul	94
47) Dimethylphthalate	14.207	163	196197	20.566	ng/ul	99
48) 2,6-Dinitrotoluene	14.330	165	35886	20.501	ng/ul	94
50) Acenaphthylene	14.489	152	235082	20.524	ng/ul	99
51) 3-Nitroaniline	14.653	138	31269	20.596	ng/ul	98
52) Acenaphthene	14.830	153	155779	20.742	ng/ul	99
53) 2,4-Dinitrophenol	14.865	184	14705	14.285	ng/ul	96
55) 4-Nitrophenol	14.953	109	23175	17.690	ng/ul	97
56) Dibenzofuran	15.159	168	235424	20.537	ng/ul	93
57) 2,4-Dinitrotoluene	15.106	165	54986	20.647	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.382	232	60944	20.237	ng/ul#	98
59) Diethylphthalate	15.564	149	190939	20.380	ng/ul	99
61) Fluorene	15.805	166	184765	20.547	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.793	204	113663	20.728	ng/ul	99
63) 4-Nitroaniline	15.811	138	32859	21.020	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.870	198	34873	18.907	ng/ul#	88
67) N-Nitrosodiphenylamine	15.999	169	164774	20.683	ng/ul	99
68) 4-Bromophenyl-phenylether	16.680	248	82416	20.854	ng/ul	99
69) Hexachlorobenzene	16.810	284	98334	20.510	ng/ul	97
70) Atrazine	16.939	200	76001	19.939	ng/ul	99
71) Pentachlorophenol	17.145	266	48530	18.229	ng/ul	96
72) Phenanthrene	17.538	178	335566	20.245	ng/ul	99
74) Anthracene	17.626	178	345336	20.770	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.578	216	94539	21.213	ng/ul	98
76) Pentachlorobenzene	15.082	250	106416	21.018	ng/ul	95
77) Carbazole	17.891	167	281810	20.784	ng/ul	99
78) Di-n-butylphthalate	18.437	149	322400	20.557	ng/ul	98
80) Fluoranthene	19.530	202	438825	20.455	ng/ul	99
82) Pyrene	19.888	202	454750	20.308	ng/ul	97
83) Butylbenzylphthalate	20.758	149	149148	20.169	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.633	252	178004	22.419	ng/ul	98
85) Benzo(a)anthracene	21.722	228	517065	20.685	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.622	149	220760	20.186	ng/ul	99
87) Chrysene	21.792	228	491035	20.295	ng/ul	100
89) Di-n-octyl phthalate	22.838	149	387672	20.862	ng/ul	100
90) Benzo(b)fluoranthene	23.960	252	520751	20.741	ng/ul	99
91) Benzo(k)fluoranthene	24.031	252	520118	20.245	ng/ul	97
93) Benzo(a)pyrene	24.841	252	492309	20.617	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.707	276	620353	20.221	ng/ul	98
95) Dibenzo(a,h)anthracene	28.772	278	517070	20.893	ng/ul	99
96) Benzo(g,h,i)perylene	29.877	276	502964	20.312	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

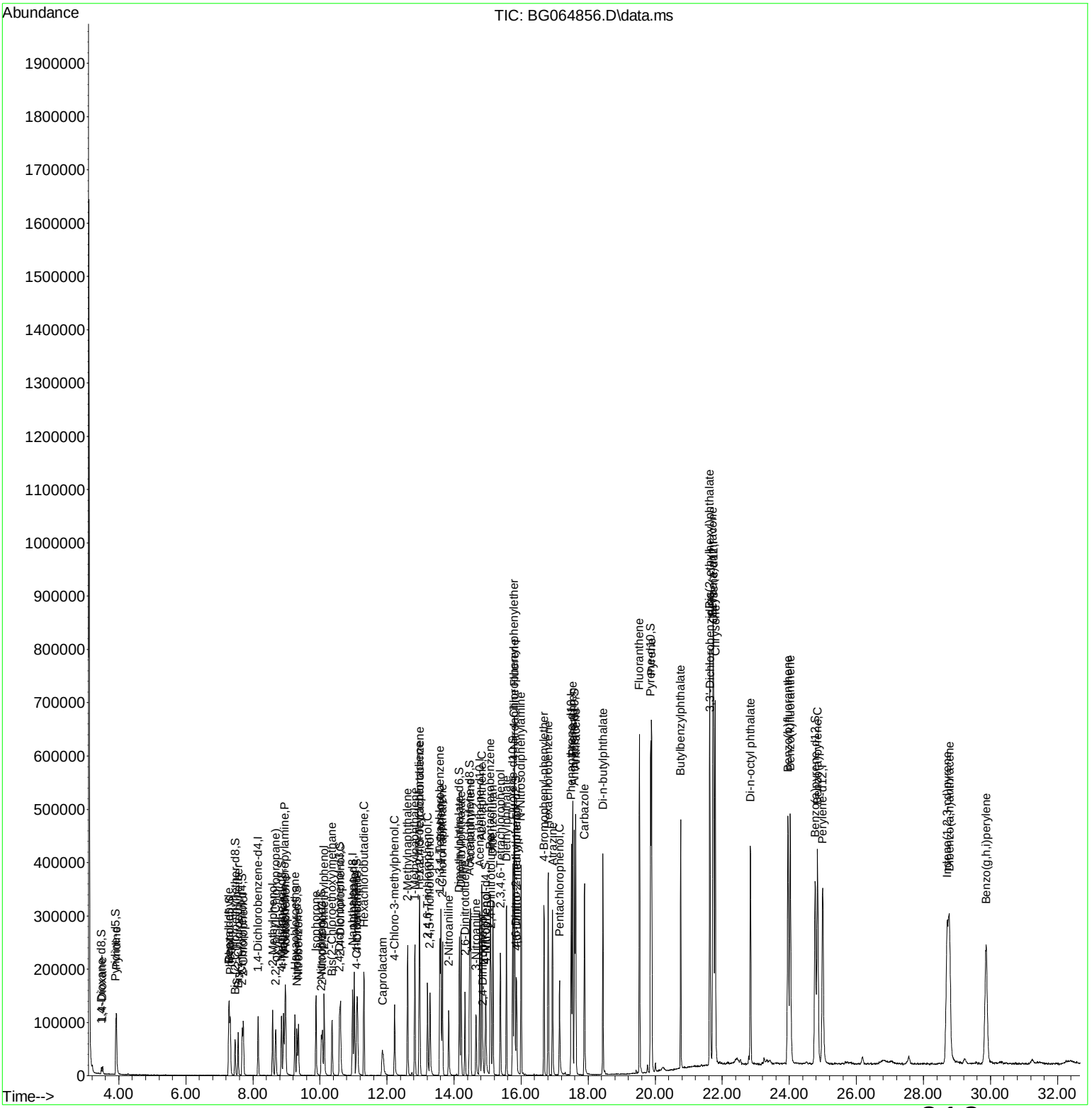
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064856.D
Acq On : 25 Nov 2025 11:10
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 12:01:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020454

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



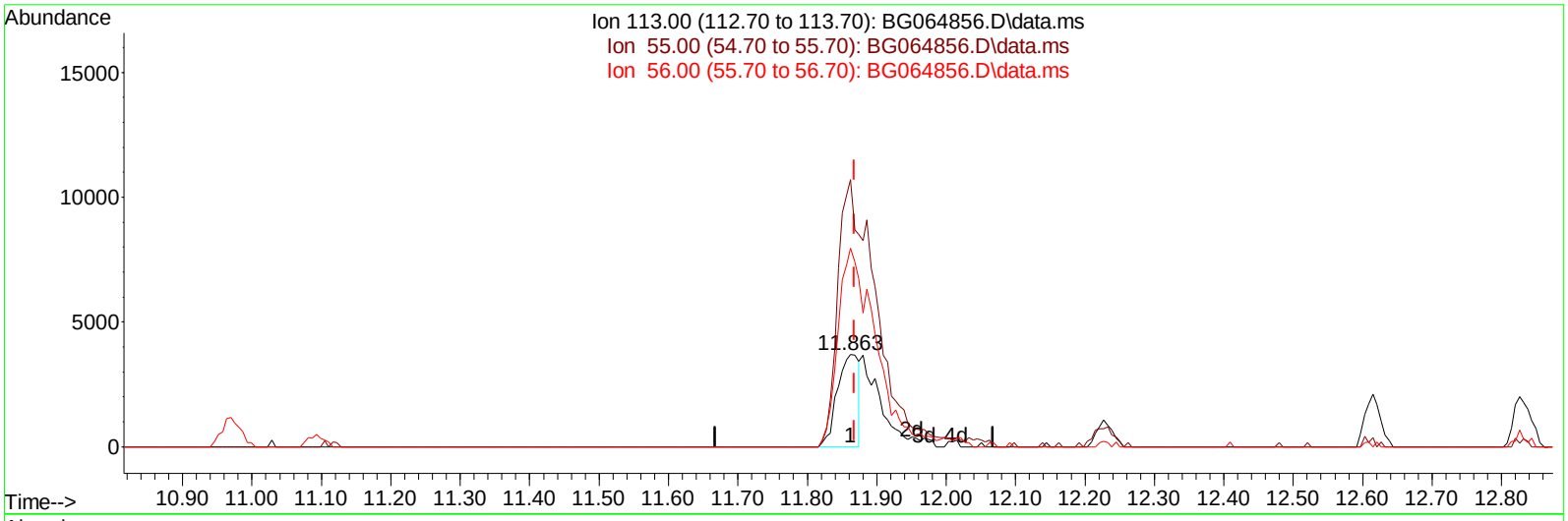
Quantitation Report (Qedit)

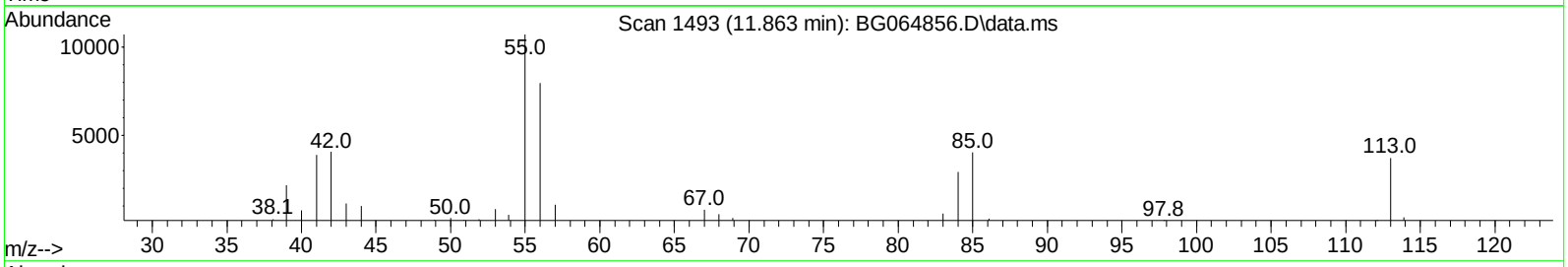
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Data File : BG064856.D
Acq On : 25 Nov 2025 11:10
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

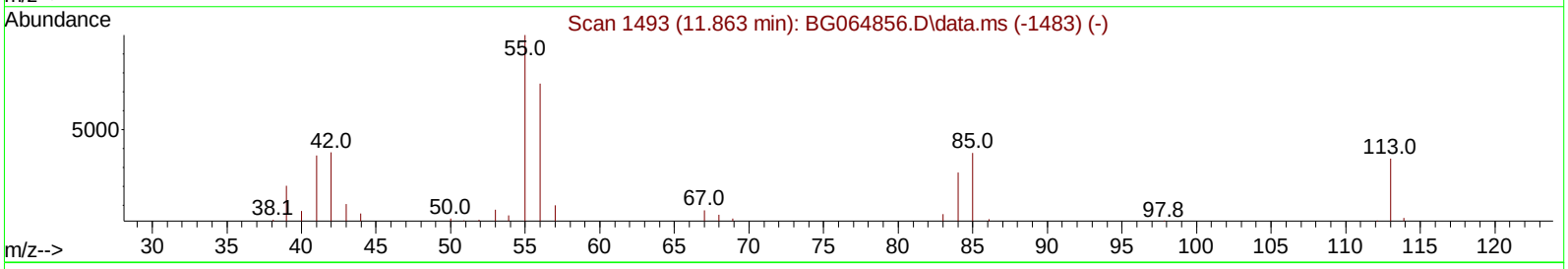
Quant Time: Nov 25 12:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020454

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064856.D\data.ms

(34) Caprolactam

11.863min (-0.005) 9.55 ng/ul

response 8046

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	288.98#
56.00	159.40	214.94#
0.00	0.00	0.00

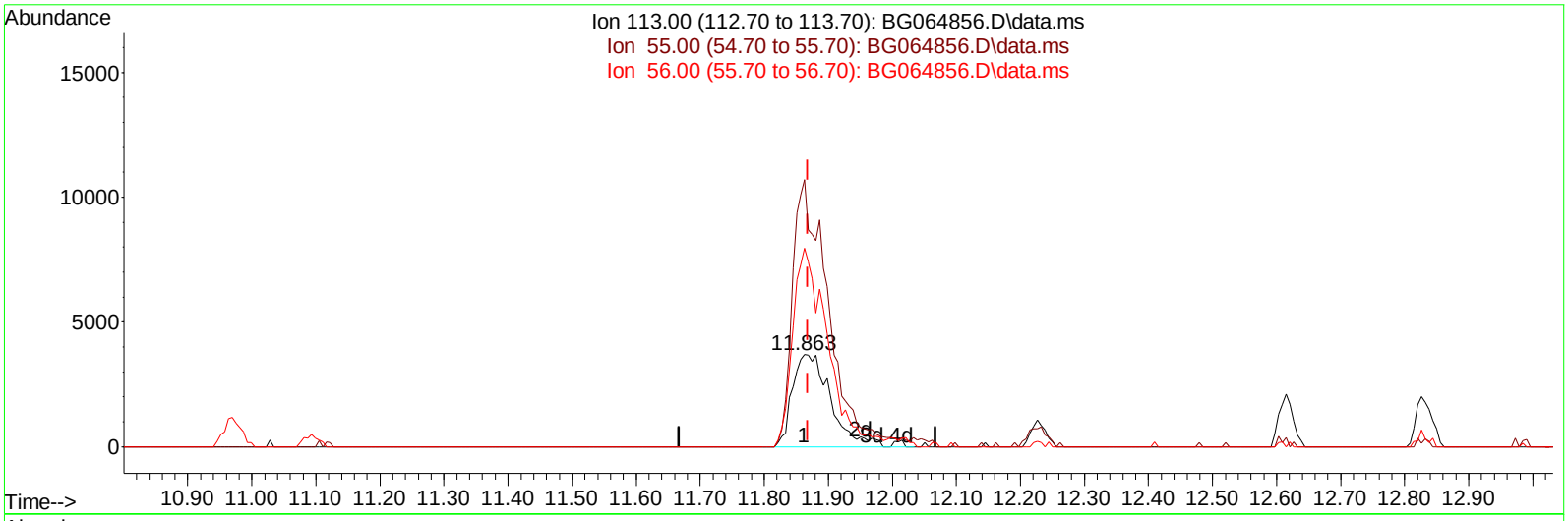
Quantitation Report (Qedit)

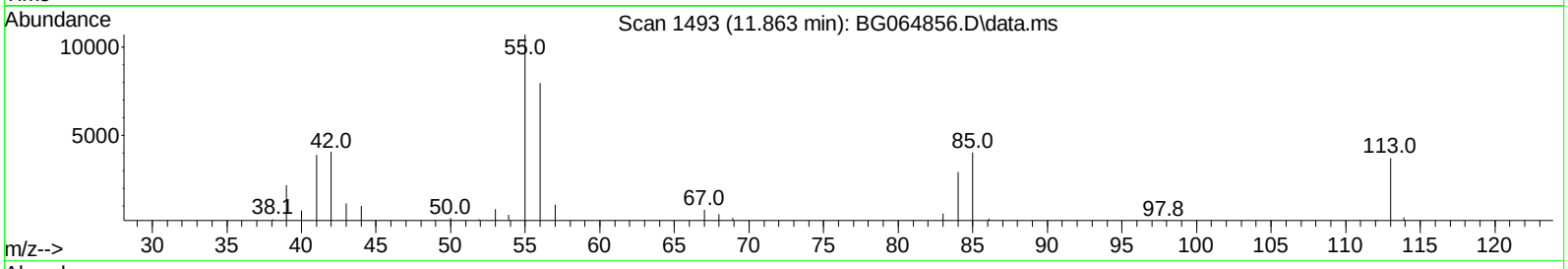
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Data File : BG064856.D
Acq On : 25 Nov 2025 11:10
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

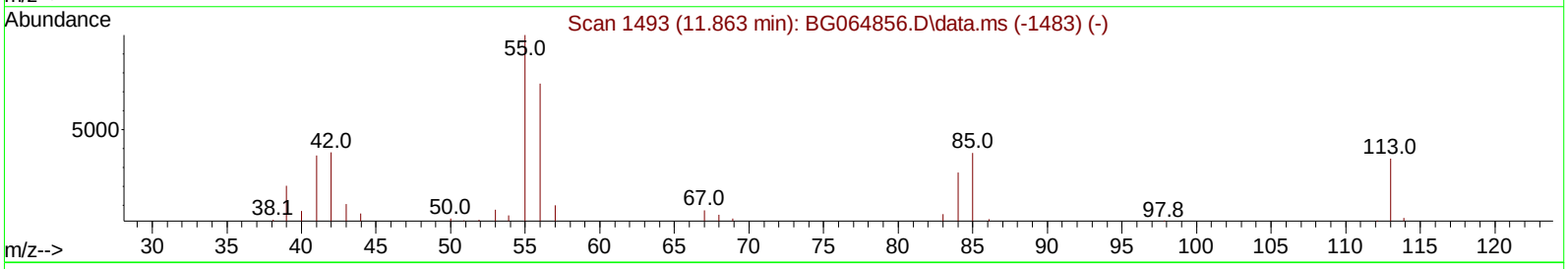
Quant Time: Nov 25 12:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020454

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064856.D\data.ms

(34) Caprolactam

11.863min (-0.005) 18.52 ng/ul m

response 15606

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	288.98#
56.00	159.40	214.94#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064856.D
Acq On : 25 Nov 2025 11:10
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 12:01:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020454

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	33635	20.000	ng/ul	0.00
20) Naphthalene-d8	10.969	136	139965	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.765	164	118841	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	296436	20.000	ng/ul	0.00
79) Chrysene-d12	21.739	240	372851	20.000	ng/ul	0.00
88) Perylene-d12	24.994	264	407786	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	5832	6.873	ng/uL	0.00
4) Pyridine-d5	3.907	84	41945	17.939	ng/ul	0.00
7) Phenol-d5	7.297	99	53217	19.627	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	36005	20.763	ng/ul	0.00
11) 2-Chlorophenol-d4	7.679	132	43144	20.989	ng/ul	0.00
15) 4-Methylphenol-d8	8.848	113	46361	19.839	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	21200	20.082	ng/ul	0.00
24) 2-Nitrophenol-d4	10.041	143	27490	21.924	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.582	165	53816	20.817	ng/ul	0.00
31) 4-Chloroaniline-d4	11.093	131	65504	19.823	ng/ul	0.00
46) Dimethylphthalate-d6	14.160	166	195894	20.955	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	204775	20.454	ng/ul	0.00
54) 4-Nitrophenol-d4	14.935	143	25476	17.976	ng/ul	0.00
60) Fluorene-d10	15.752	176	169281	20.171	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	34709	18.288	ng/ul	0.00
73) Anthracene-d10	17.591	188	306983	20.495	ng/ul	0.00
81) Pyrene-d10	19.865	212	393970	20.571	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.771	264	441302	20.512	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.513	88	6945	7.075	ng/uL	91
5) Pyridine	3.931	79	46944	18.337	ng/ul	94
6) Benzaldehyde	7.280	77	34716	26.068	ng/ul#	83
8) Phenol	7.327	94	54639	19.304	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.562	93	42353	20.234	ng/ul	98
12) 2-Chlorophenol	7.714	128	44563	20.470	ng/ul	96
13) 2-Methylphenol	8.590	108	45211	20.178	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.678	45	90662	20.630	ng/ul	99
16) Acetophenone	8.978	105	77458	20.151	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.954	70	38800	21.042	ng/ul#	98
18) 4-Methylphenol	8.913	108	48784	19.845	ng/ul	84
19) Hexachloroethane	9.254	117	19863	20.444	ng/ul	95
22) Nitrobenzene	9.360	77	54198	19.988	ng/ul	98
23) Isophorone	9.882	82	115052	21.660	ng/ul	99
25) 2-Nitrophenol	10.076	139	26560	20.148	ng/ul#	95
26) 2,4-Dimethylphenol	10.123	107	60505	21.309	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.358	93	62413	20.952	ng/ul#	94
29) 2,4-Dichlorophenol	10.611	162	50760	21.052	ng/ul	96
30) Naphthalene	11.022	128	162976	20.262	ng/ul	97
32) 4-Chloroaniline	11.116	127	66049	19.638	ng/ul	96
33) Hexachlorobutadiene	11.310	225	52250	20.660	ng/ul	93
34) Caprolactam	11.863	113	15606m	18.523	ng/ul	
35) 4-Chloro-3-methylphenol	12.227	107	52199	19.880	ng/ul	94

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064856.D
Acq On : 25 Nov 2025 11:10
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 12:01:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020454

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.615	142	122374	20.302 ng/ul	98
37) 1-Methylnaphthalene	12.832	142	123271	20.894 ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.979	216	95836	20.990 ng/ul	98
40) Hexachlorocyclopentadiene	12.961	237	60272	19.054 ng/ul	99
41) 2,4,6-Trichlorophenol	13.208	196	51888	20.558 ng/ul	99
42) 2,4,5-Trichlorophenol	13.278	196	55642	20.922 ng/ul	98
43) 1,1'-Biphenyl	13.608	154	173205	20.702 ng/ul	99
44) 2-Chloronaphthalene	13.655	162	135482	20.627 ng/ul	97
45) 2-Nitroaniline	13.843	65	40190	20.583 ng/ul	94
47) Dimethylphthalate	14.207	163	196197	20.566 ng/ul	99
48) 2,6-Dinitrotoluene	14.330	165	35886	20.501 ng/ul	94
50) Acenaphthylene	14.489	152	235082	20.524 ng/ul	99
51) 3-Nitroaniline	14.653	138	31269	20.596 ng/ul	98
52) Acenaphthene	14.830	153	155779	20.742 ng/ul	99
53) 2,4-Dinitrophenol	14.865	184	14705	14.285 ng/ul	96
55) 4-Nitrophenol	14.953	109	23175	17.690 ng/ul	97
56) Dibenzofuran	15.159	168	235424	20.537 ng/ul	93
57) 2,4-Dinitrotoluene	15.106	165	54986	20.647 ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.382	232	60944	20.237 ng/ul#	98
59) Diethylphthalate	15.564	149	190939	20.380 ng/ul	99
61) Fluorene	15.805	166	184765	20.547 ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.793	204	113663	20.728 ng/ul	99
63) 4-Nitroaniline	15.811	138	32859	21.020 ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.870	198	34873	18.907 ng/ul#	88
67) N-Nitrosodiphenylamine	15.999	169	164774	20.683 ng/ul	99
68) 4-Bromophenyl-phenylether	16.680	248	82416	20.854 ng/ul	99
69) Hexachlorobenzene	16.810	284	98334	20.510 ng/ul	97
70) Atrazine	16.939	200	76001	19.939 ng/ul	99
71) Pentachlorophenol	17.145	266	48530	18.229 ng/ul	96
72) Phenanthrene	17.538	178	335566	20.245 ng/ul	99
74) Anthracene	17.626	178	345336	20.770 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.578	216	94539	21.213 ng/ul	98
76) Pentachlorobenzene	15.082	250	106416	21.018 ng/ul	95
77) Carbazole	17.891	167	281810	20.784 ng/ul	99
78) Di-n-butylphthalate	18.437	149	322400	20.557 ng/ul	98
80) Fluoranthene	19.530	202	438825	20.455 ng/ul	99
82) Pyrene	19.888	202	454750	20.308 ng/ul	97
83) Butylbenzylphthalate	20.758	149	149148	20.169 ng/ul	95
84) 3,3'-Dichlorobenzidine	21.633	252	178004	22.419 ng/ul	98
85) Benzo(a)anthracene	21.722	228	517065	20.685 ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.622	149	220760	20.186 ng/ul	99
87) Chrysene	21.792	228	491035	20.295 ng/ul	100
89) Di-n-octyl phthalate	22.838	149	387672	20.862 ng/ul	100
90) Benzo(b)fluoranthene	23.960	252	520751	20.741 ng/ul	99
91) Benzo(k)fluoranthene	24.031	252	520118	20.245 ng/ul	97
93) Benzo(a)pyrene	24.841	252	492309	20.617 ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.707	276	620353	20.221 ng/ul	98
95) Dibenzo(a,h)anthracene	28.772	278	517070	20.893 ng/ul	99
96) Benzo(g,h,i)perylene	29.877	276	502964	20.312 ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

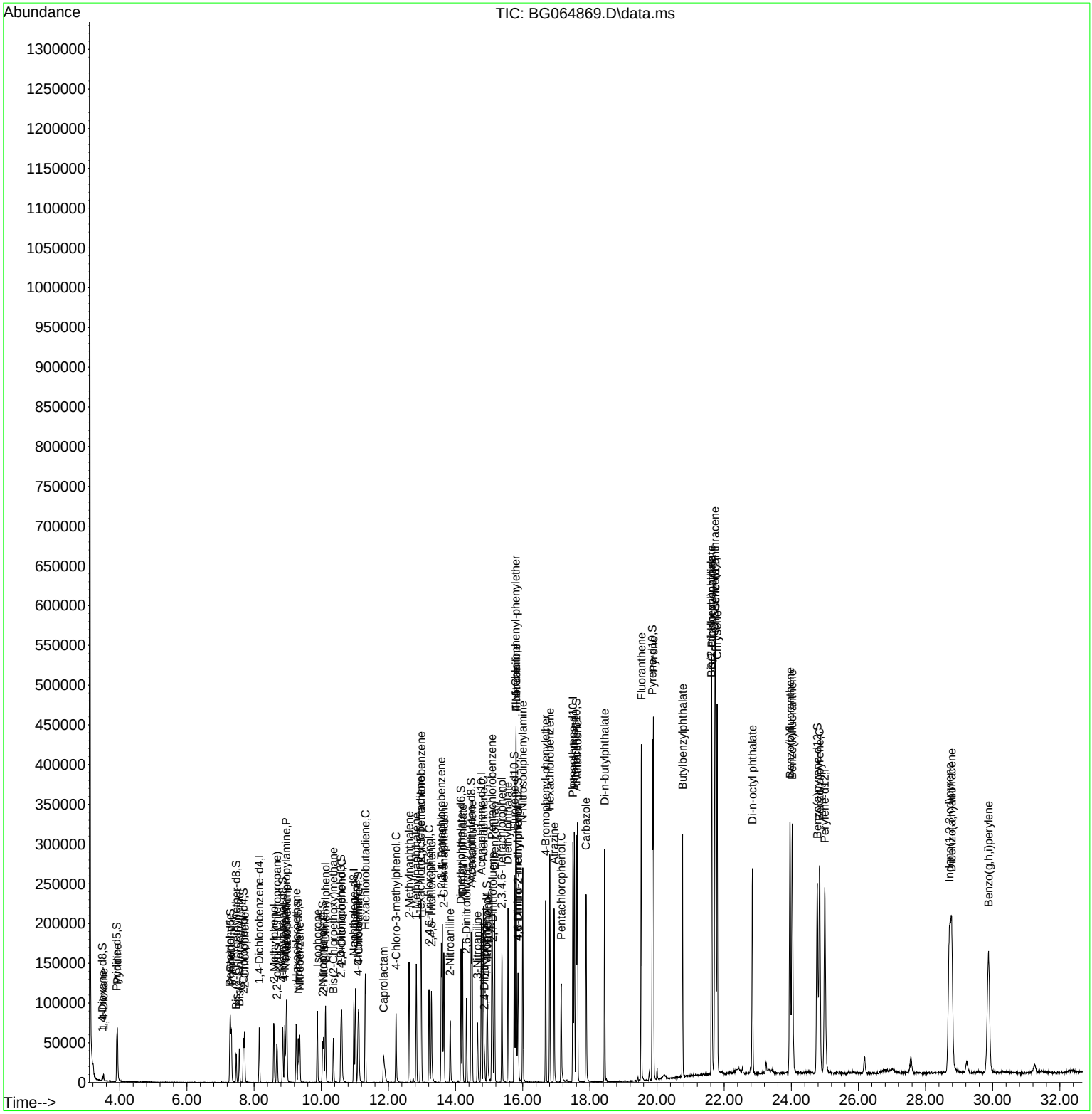
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064869.D
Acq On : 25 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 26 03:15:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020455

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064869.D
Acq On : 25 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020455

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 26 03:15:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	20992	20.000	ng/ul	0.00
20) Naphthalene-d8	10.974	136	84139	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	76826	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	204064	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.743	240	264001	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	293468	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	2792	5.272	ng/uL	0.00
4) Pyridine-d5	3.911	84	23095	15.826	ng/ul	0.00
7) Phenol-d5	7.296	99	29418	17.384	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	17824	16.469	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	26022	20.284	ng/ul	0.00
15) 4-Methylphenol-d8	8.853	113	26523	18.185	ng/ul	0.00
21) Nitrobenzene-d5	9.317	128	13750	21.667	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	16403	21.761	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	33422	21.506	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	38773	19.519	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	124887	20.666	ng/ul	0.00
49) Acenaphthylene-d8	14.464	160	131656	20.343	ng/ul	0.00
54) 4-Nitrophenol-d4	14.934	143	16795	18.331	ng/ul	0.00
60) Fluorene-d10	15.750	176	111245	20.505	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	24686	18.895	ng/ul	0.00
73) Anthracene-d10	17.595	188	209995	20.366	ng/ul	0.00
81) Pyrene-d10	19.863	212	274729	20.259	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.775	264	319502	20.635	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.518	88	3625	5.917	ng/uL	88
5) Pyridine	3.929	79	25217	15.782	ng/ul#	83
6) Benzaldehyde	7.278	77	20216	24.323	ng/ul	94
8) Phenol	7.325	94	30661	17.357	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.566	93	23031	17.629	ng/ul	85
12) 2-Chlorophenol	7.719	128	26661	19.622	ng/ul	96
13) 2-Methylphenol	8.594	108	26174	18.717	ng/ul	88
14) 2,2'-oxybis(1-Chloropr...	8.682	45	48673	17.746	ng/ul	99
16) Acetophenone	8.976	105	46128	19.228	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.958	70	20807	18.080	ng/ul	91
18) 4-Methylphenol	8.917	108	28343	18.473	ng/ul	86
19) Hexachloroethane	9.258	117	11171	18.423	ng/ul#	76
22) Nitrobenzene	9.358	77	31795	19.506	ng/ul	95
23) Isophorone	9.887	82	60465	18.936	ng/ul#	91
25) 2-Nitrophenol	10.075	139	16143	20.371	ng/ul	94
26) 2,4-Dimethylphenol	10.128	107	36441	21.349	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.363	93	32802	18.317	ng/ul#	94
29) 2,4-Dichlorophenol	10.609	162	32253	22.252	ng/ul	97
30) Naphthalene	11.026	128	96885	20.037	ng/ul	99
32) 4-Chloroaniline	11.115	127	39579	19.576	ng/ul	98
33) Hexachlorobutadiene	11.314	225	36852	24.239	ng/ul	97
34) Caprolactam	11.861	113	9309m	18.380	ng/ul	
35) 4-Chloro-3-methylphenol	12.231	107	33904	21.480	ng/ul	97
36) 2-Methylnaphthalene	12.619	142	76519	21.117	ng/ul	94

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064869.D
Acq On : 25 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020455

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 26 03:15:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.830	142	72352	20.400	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.977	216	64592	21.883	ng/ul	96
40) Hexachlorocyclopentadiene	12.960	237	42691	20.877	ng/ul	97
41) 2,4,6-Trichlorophenol	13.212	196	36660	22.468	ng/ul	90
42) 2,4,5-Trichlorophenol	13.283	196	36548	21.258	ng/ul	97
43) 1,1'-Biphenyl	13.606	154	108541	20.068	ng/ul#	98
44) 2-Chloronaphthalene	13.653	162	87167	20.529	ng/ul	97
45) 2-Nitroaniline	13.841	65	24238	19.202	ng/ul	96
47) Dimethylphthalate	14.211	163	124824	20.240	ng/ul	99
48) 2,6-Dinitrotoluene	14.328	165	23578	20.836	ng/ul#	87
50) Acenaphthylene	14.493	152	147795	19.960	ng/ul	98
51) 3-Nitroaniline	14.652	138	21361	21.764	ng/ul#	99
52) Acenaphthene	14.834	153	98287	20.244	ng/ul	98
53) 2,4-Dinitrophenol	14.863	184	11311	16.997	ng/ul	97
55) 4-Nitrophenol	14.951	109	18694	22.073	ng/ul#	83
56) Dibenzofuran	15.163	168	154725	20.878	ng/ul	98
57) 2,4-Dinitrotoluene	15.110	165	37814	21.964	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.380	232	45917	23.585	ng/ul#	91
59) Diethylphthalate	15.562	149	120921	19.965	ng/ul	99
61) Fluorene	15.809	166	120398	20.712	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.797	204	77628	21.899	ng/ul	100
63) 4-Nitroaniline	15.809	138	21525	21.300	ng/ul#	71
66) 4,6-Dinitro-2-methylph...	15.868	198	23894	18.818	ng/ul	95
67) N-Nitrosodiphenylamine	16.003	169	107948	19.684	ng/ul	92
68) 4-Bromophenyl-phenylether	16.685	248	60025	22.064	ng/ul	98
69) Hexachlorobenzene	16.808	284	73188	22.175	ng/ul	95
70) Atrazine	16.937	200	55597	21.189	ng/ul	98
71) Pentachlorophenol	17.149	266	34946	19.068	ng/ul	97
72) Phenanthrene	17.536	178	225592	19.771	ng/ul	98
74) Anthracene	17.631	178	231943	20.265	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.576	216	66103	21.547	ng/ul	95
76) Pentachlorobenzene	15.086	250	76485	21.945	ng/ul	97
77) Carbazole	17.889	167	184663	19.784	ng/ul	99
78) Di-n-butylphthalate	18.441	149	211258	19.568	ng/ul#	98
80) Fluoranthene	19.534	202	299981	19.749	ng/ul#	93
82) Pyrene	19.893	202	318661	20.098	ng/ul#	94
83) Butylbenzylphthalate	20.762	149	95642	18.266	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.632	252	128492	22.855	ng/ul#	95
85) Benzo(a)anthracene	21.726	228	361415	20.420	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.620	149	139446	18.008	ng/ul	99
87) Chrysene	21.790	228	337365	19.693	ng/ul	99
89) Di-n-octyl phthalate	22.842	149	238309	17.820	ng/ul	100
90) Benzo(b)fluoranthene	23.964	252	363610	20.124	ng/ul#	97
91) Benzo(k)fluoranthene	24.029	252	372010	20.121	ng/ul#	96
93) Benzo(a)pyrene	24.846	252	348610	20.286	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.712	276	455892	20.649	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.776	278	370828	20.821	ng/ul#	97
96) Benzo(g,h,i)perylene	29.875	276	364397	20.448	ng/ul#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

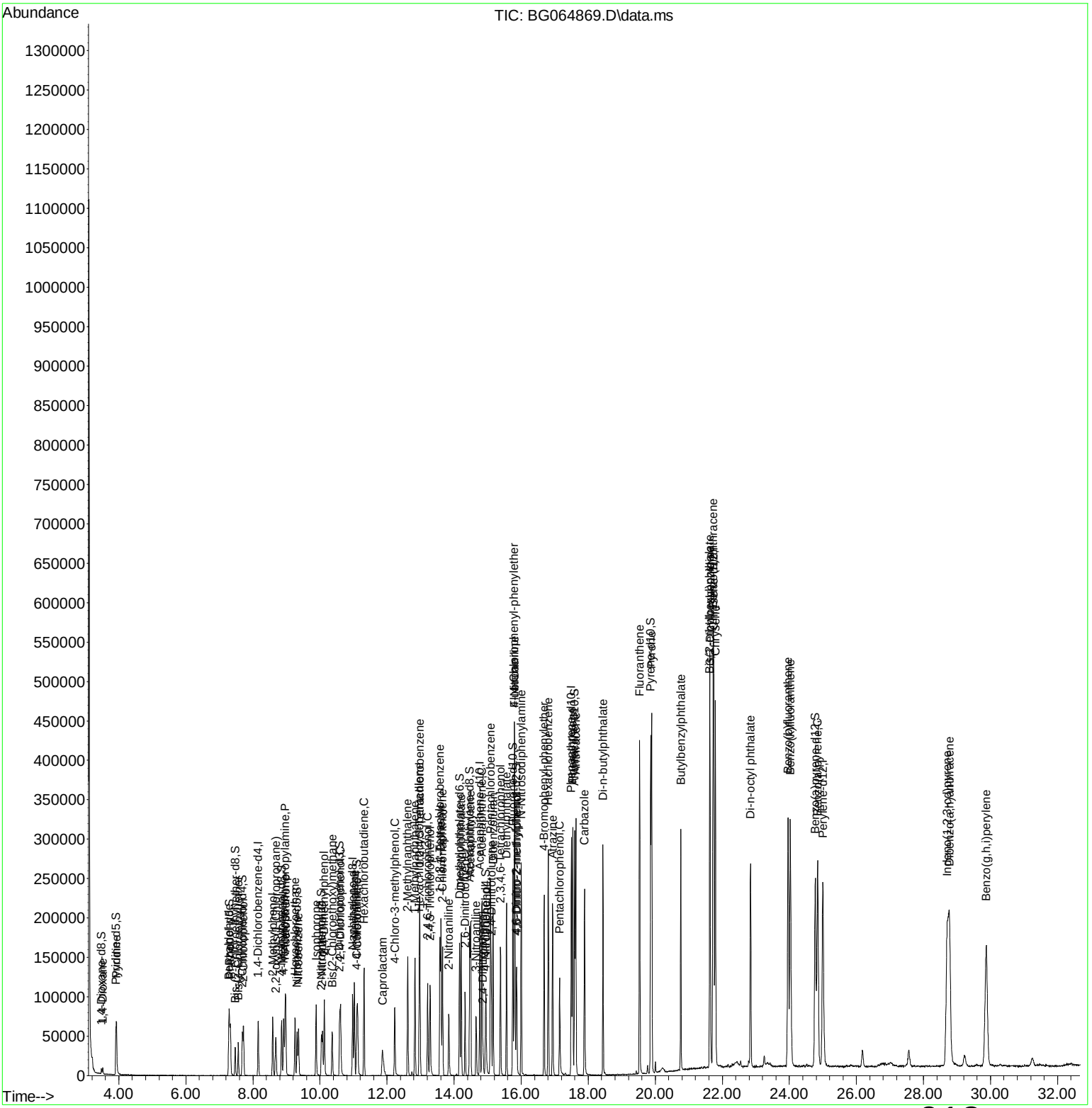
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064869.D
Acq On : 25 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 26 03:15:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020455

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



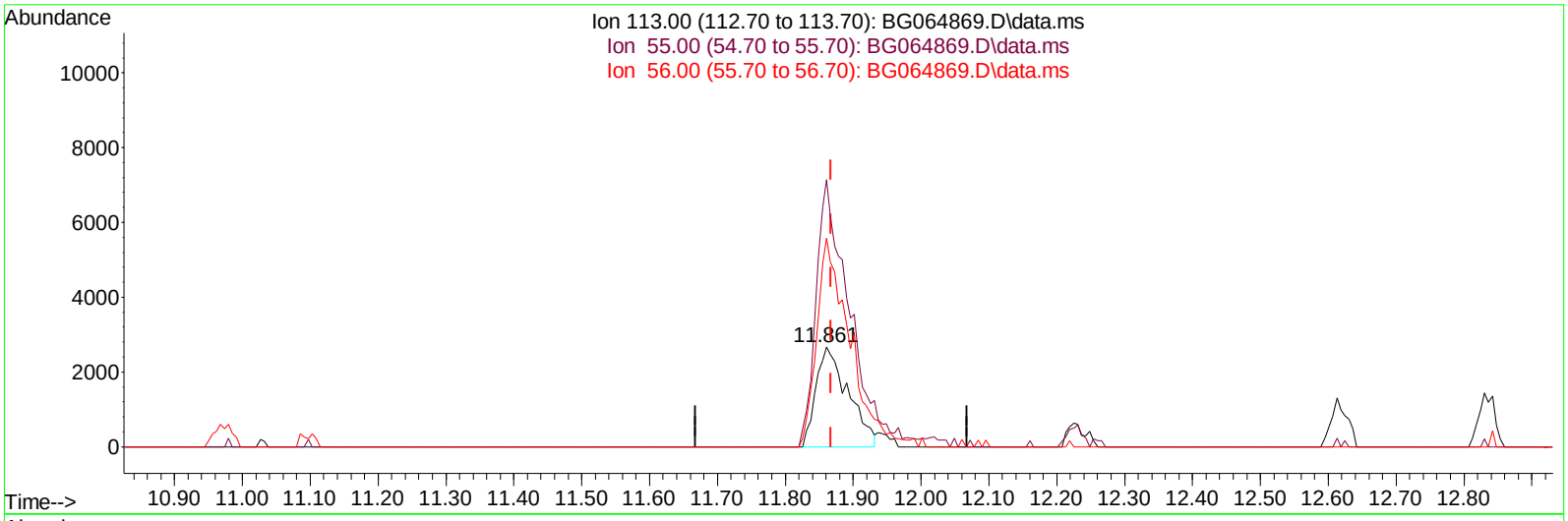
Quantitation Report (Qedit)

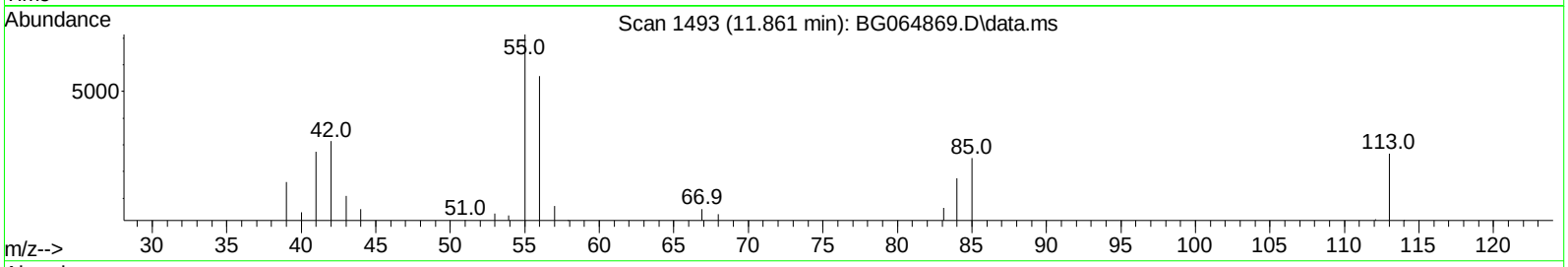
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Data File : BG064869.D
Acq On : 25 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 15 Sample Multiplier: 1

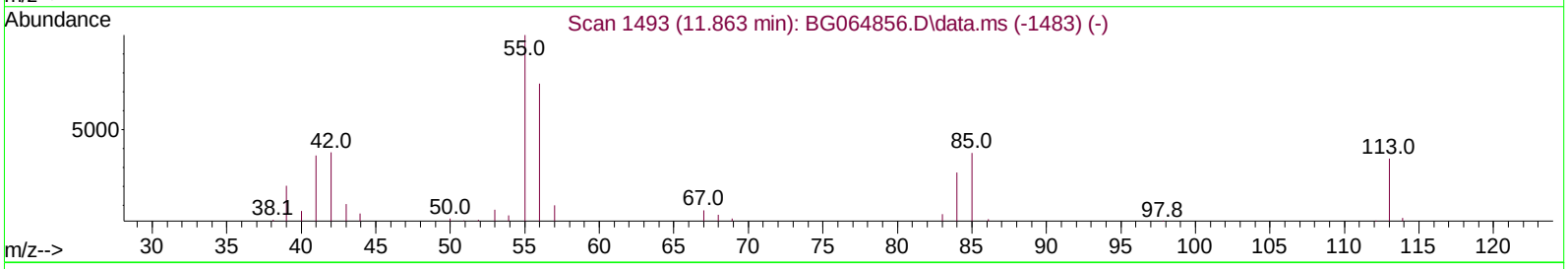
Quant Time: Nov 26 03:14:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020455

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064869.D\data.ms

(34) Caprolactam

11.861min (-0.007) 17.36 ng/ul

response 8791

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	266.78
56.00	159.40	208.26#
0.00	0.00	0.00

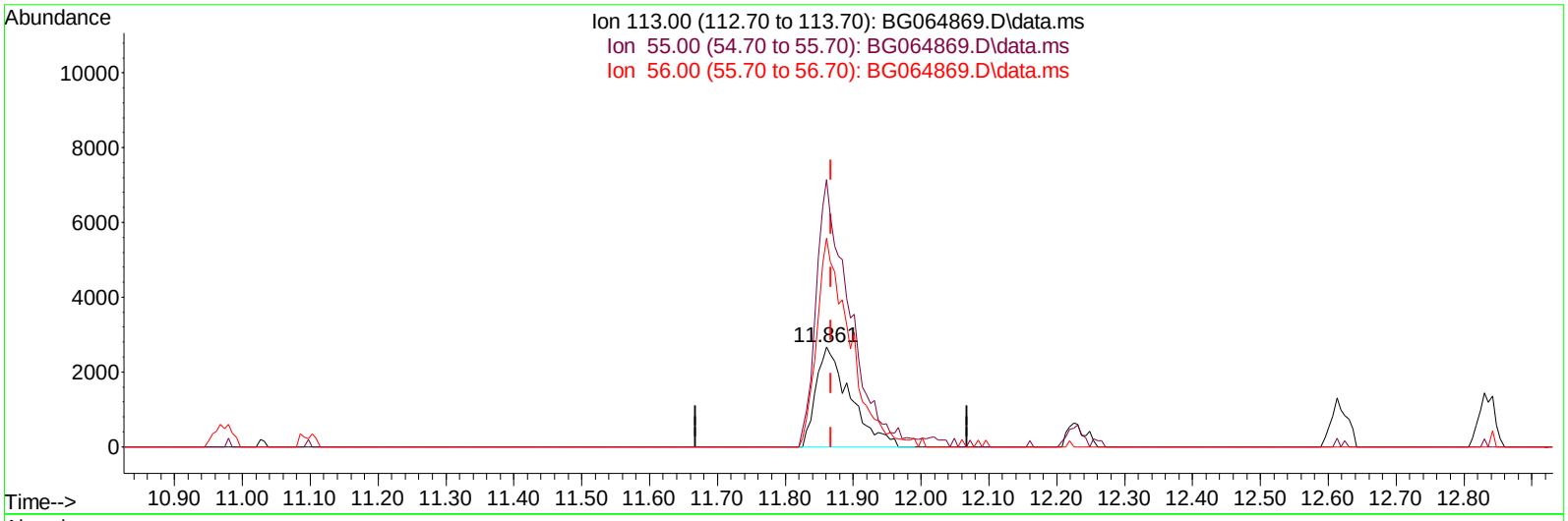
Quantitation Report (Qedit)

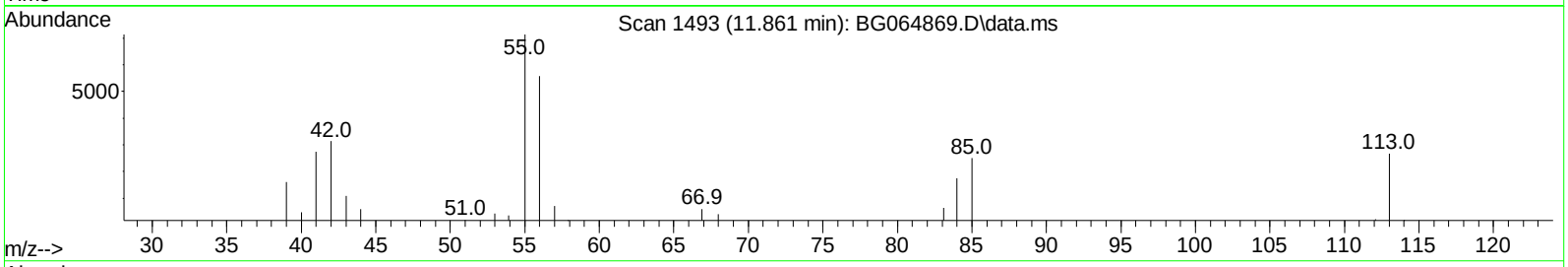
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Data File : BG064869.D
Acq On : 25 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 15 Sample Multiplier: 1

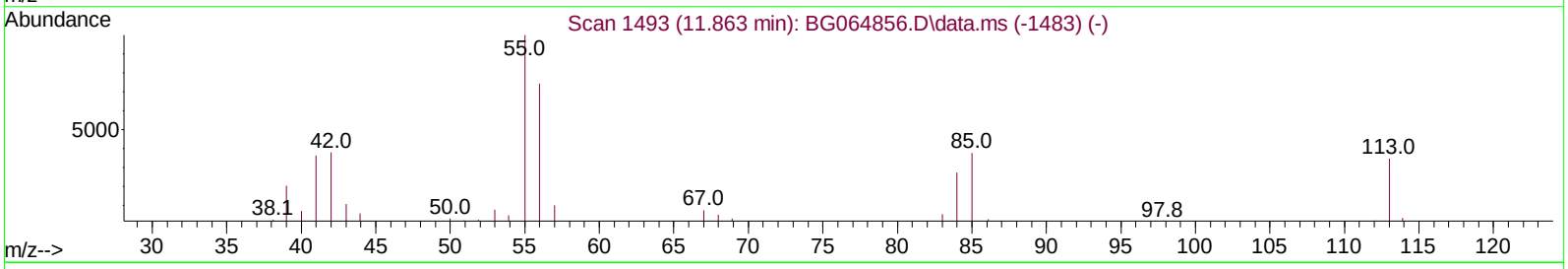
Quant Time: Nov 26 03:14:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020455

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064869.D\data.ms

(34) Caprolactam

11.861min (-0.007) 18.38 ng/ul m

response 9309

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	266.78
56.00	159.40	208.26#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064869.D
Acq On : 25 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 26 03:15:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020455

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	20992	20.000	ng/ul	0.00
20) Naphthalene-d8	10.974	136	84139	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	76826	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	204064	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.743	240	264001	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	293468	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	2792	5.272	ng/uL	0.00
4) Pyridine-d5	3.911	84	23095	15.826	ng/ul	0.00
7) Phenol-d5	7.296	99	29418	17.384	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	17824	16.469	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	26022	20.284	ng/ul	0.00
15) 4-Methylphenol-d8	8.853	113	26523	18.185	ng/ul	0.00
21) Nitrobenzene-d5	9.317	128	13750	21.667	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	16403	21.761	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	33422	21.506	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	38773	19.519	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	124887	20.666	ng/ul	0.00
49) Acenaphthylene-d8	14.464	160	131656	20.343	ng/ul	0.00
54) 4-Nitrophenol-d4	14.934	143	16795	18.331	ng/ul	0.00
60) Fluorene-d10	15.750	176	111245	20.505	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	24686	18.895	ng/ul	0.00
73) Anthracene-d10	17.595	188	209995	20.366	ng/ul	0.00
81) Pyrene-d10	19.863	212	274729	20.259	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.775	264	319502	20.635	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.518	88	3625	5.917	ng/uL	88
5) Pyridine	3.929	79	25217	15.782	ng/ul#	83
6) Benzaldehyde	7.278	77	20216	24.323	ng/ul	94
8) Phenol	7.325	94	30661	17.357	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.566	93	23031	17.629	ng/ul	85
12) 2-Chlorophenol	7.719	128	26661	19.622	ng/ul	96
13) 2-Methylphenol	8.594	108	26174	18.717	ng/ul	88
14) 2,2'-oxybis(1-Chloropr...	8.682	45	48673	17.746	ng/ul	99
16) Acetophenone	8.976	105	46128	19.228	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.958	70	20807	18.080	ng/ul	91
18) 4-Methylphenol	8.917	108	28343	18.473	ng/ul	86
19) Hexachloroethane	9.258	117	11171	18.423	ng/ul#	76
22) Nitrobenzene	9.358	77	31795	19.506	ng/ul	95
23) Isophorone	9.887	82	60465	18.936	ng/ul#	91
25) 2-Nitrophenol	10.075	139	16143	20.371	ng/ul	94
26) 2,4-Dimethylphenol	10.128	107	36441	21.349	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.363	93	32802	18.317	ng/ul#	94
29) 2,4-Dichlorophenol	10.609	162	32253	22.252	ng/ul	97
30) Naphthalene	11.026	128	96885	20.037	ng/ul	99
32) 4-Chloroaniline	11.115	127	39579	19.576	ng/ul	98
33) Hexachlorobutadiene	11.314	225	36852	24.239	ng/ul	97
34) Caprolactam	11.861	113	9309m	18.380	ng/ul	
35) 4-Chloro-3-methylphenol	12.231	107	33904	21.480	ng/ul	97

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064869.D
Acq On : 25 Nov 2025 21:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 26 03:15:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020455

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.619	142	76519	21.117 ng/ul	94
37) 1-Methylnaphthalene	12.830	142	72352	20.400 ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.977	216	64592	21.883 ng/ul	96
40) Hexachlorocyclopentadiene	12.960	237	42691	20.877 ng/ul	97
41) 2,4,6-Trichlorophenol	13.212	196	36660	22.468 ng/ul	90
42) 2,4,5-Trichlorophenol	13.283	196	36548	21.258 ng/ul	97
43) 1,1'-Biphenyl	13.606	154	108541	20.068 ng/ul#	98
44) 2-Chloronaphthalene	13.653	162	87167	20.529 ng/ul	97
45) 2-Nitroaniline	13.841	65	24238	19.202 ng/ul	96
47) Dimethylphthalate	14.211	163	124824	20.240 ng/ul	99
48) 2,6-Dinitrotoluene	14.328	165	23578	20.836 ng/ul#	87
50) Acenaphthylene	14.493	152	147795	19.960 ng/ul	98
51) 3-Nitroaniline	14.652	138	21361	21.764 ng/ul#	99
52) Acenaphthene	14.834	153	98287	20.244 ng/ul	98
53) 2,4-Dinitrophenol	14.863	184	11311	16.997 ng/ul	97
55) 4-Nitrophenol	14.951	109	18694	22.073 ng/ul#	83
56) Dibenzofuran	15.163	168	154725	20.878 ng/ul	98
57) 2,4-Dinitrotoluene	15.110	165	37814	21.964 ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.380	232	45917	23.585 ng/ul#	91
59) Diethylphthalate	15.562	149	120921	19.965 ng/ul	99
61) Fluorene	15.809	166	120398	20.712 ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.797	204	77628	21.899 ng/ul	100
63) 4-Nitroaniline	15.809	138	21525	21.300 ng/ul#	71
66) 4,6-Dinitro-2-methylph...	15.868	198	23894	18.818 ng/ul	95
67) N-Nitrosodiphenylamine	16.003	169	107948	19.684 ng/ul	92
68) 4-Bromophenyl-phenylether	16.685	248	60025	22.064 ng/ul	98
69) Hexachlorobenzene	16.808	284	73188	22.175 ng/ul	95
70) Atrazine	16.937	200	55597	21.189 ng/ul	98
71) Pentachlorophenol	17.149	266	34946	19.068 ng/ul	97
72) Phenanthrene	17.536	178	225592	19.771 ng/ul	98
74) Anthracene	17.631	178	231943	20.265 ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.576	216	66103	21.547 ng/ul	95
76) Pentachlorobenzene	15.086	250	76485	21.945 ng/ul	97
77) Carbazole	17.889	167	184663	19.784 ng/ul	99
78) Di-n-butylphthalate	18.441	149	211258	19.568 ng/ul#	98
80) Fluoranthene	19.534	202	299981	19.749 ng/ul#	93
82) Pyrene	19.893	202	318661	20.098 ng/ul#	94
83) Butylbenzylphthalate	20.762	149	95642	18.266 ng/ul	98
84) 3,3'-Dichlorobenzidine	21.632	252	128492	22.855 ng/ul#	95
85) Benzo(a)anthracene	21.726	228	361415	20.420 ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.620	149	139446	18.008 ng/ul	99
87) Chrysene	21.790	228	337365	19.693 ng/ul	99
89) Di-n-octyl phthalate	22.842	149	238309	17.820 ng/ul	100
90) Benzo(b)fluoranthene	23.964	252	363610	20.124 ng/ul#	97
91) Benzo(k)fluoranthene	24.029	252	372010	20.121 ng/ul#	96
93) Benzo(a)pyrene	24.846	252	348610	20.286 ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.712	276	455892	20.649 ng/ul#	95
95) Dibenzo(a,h)anthracene	28.776	278	370828	20.821 ng/ul#	97
96) Benzo(g,h,i)perylene	29.875	276	364397	20.448 ng/ul#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

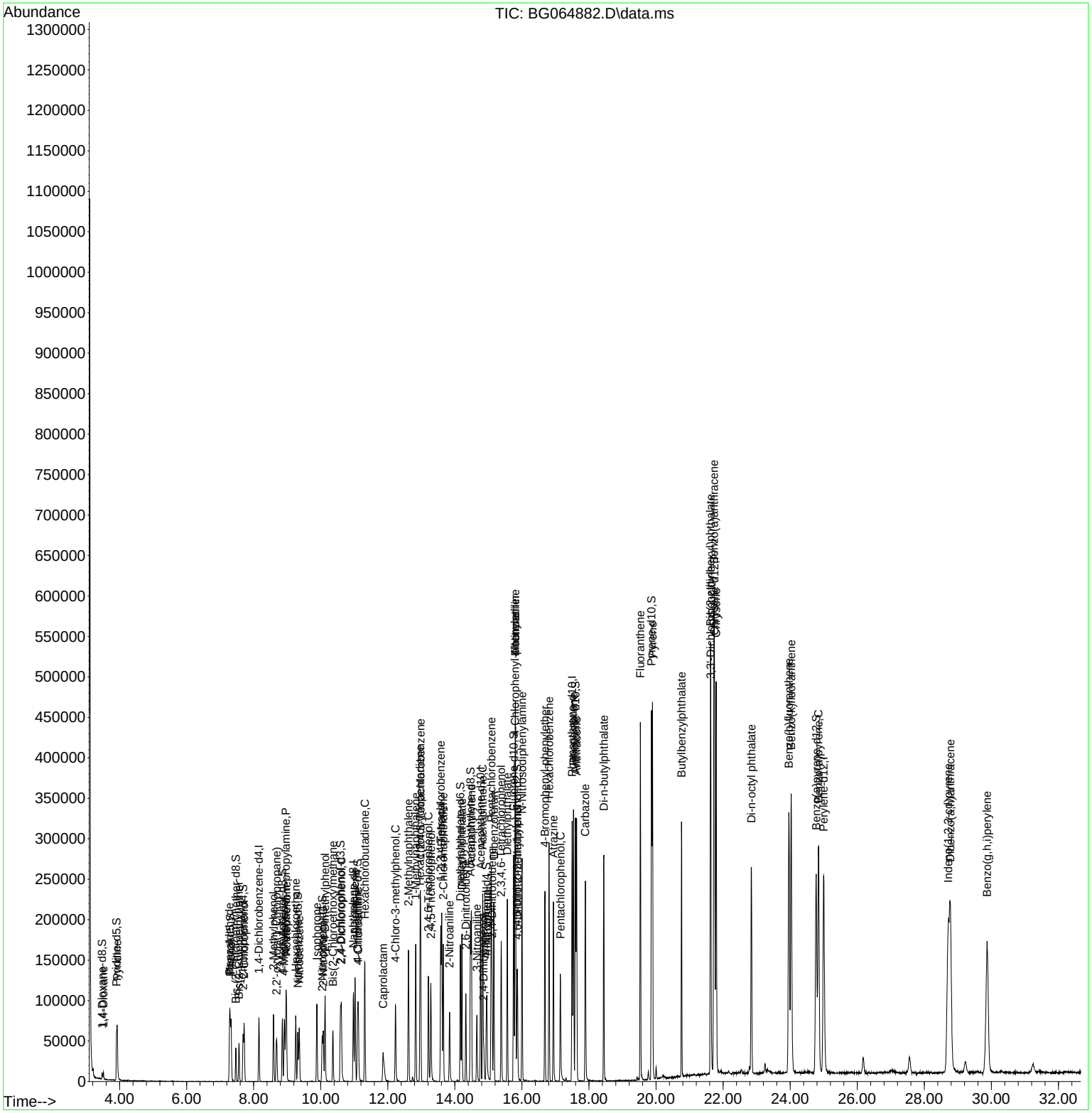
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064882.D
Acq On : 26 Nov 2025 6:54
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 08:38:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020456

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064882.D
Acq On : 26 Nov 2025 6:54
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020456

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 26 08:38:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	23342	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	89916	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	80198	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	210331	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	269430	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	305050	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	3882	6.592	ng/uL	0.00
4) Pyridine-d5	3.913	84	24538	15.122	ng/ul	0.00
7) Phenol-d5	7.303	99	34042	18.091	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	18945	15.742	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	28815	20.200	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	30084	18.550	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	14570	21.484	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	18034	22.388	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	38346	23.089	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	42261	19.908	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	130829	20.739	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	139982	20.720	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	18009m	18.830	ng/ul	0.00
60) Fluorene-d10	15.752	176	120179	21.220	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	26947	20.011	ng/ul	0.00
73) Anthracene-d10	17.597	188	218354	20.545	ng/ul	0.00
81) Pyrene-d10	19.865	212	281898	20.369	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	332267	20.645	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.519	88	3839	5.635	ng/uL	82
5) Pyridine	3.930	79	25375	14.282	ng/ul	90
6) Benzaldehyde	7.279	77	21904	23.701	ng/ul	89
8) Phenol	7.326	94	34663	17.647	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.561	93	24493	16.861	ng/ul	90
12) 2-Chlorophenol	7.714	128	28962	19.170	ng/ul	95
13) 2-Methylphenol	8.590	108	28579	18.379	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.684	45	52369	17.171	ng/ul#	97
16) Acetophenone	8.977	105	48433	18.156	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.960	70	22586	17.650	ng/ul	93
18) 4-Methylphenol	8.913	108	30409	17.825	ng/ul	86
19) Hexachloroethane	9.254	117	12785	18.962	ng/ul	98
22) Nitrobenzene	9.359	77	34949	20.064	ng/ul	97
23) Isophorone	9.882	82	65724	19.261	ng/ul#	95
25) 2-Nitrophenol	10.076	139	17568	20.745	ng/ul#	77
26) 2,4-Dimethylphenol	10.129	107	38761	21.250	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.364	93	35123	18.353	ng/ul	98
29) 2,4-Dichlorophenol	10.617	162	34407	22.213	ng/ul	97
30) Naphthalene	11.022	128	104160	20.157	ng/ul	97
32) 4-Chloroaniline	11.122	127	42598	19.715	ng/ul	99
33) Hexachlorobutadiene	11.316	225	41382	25.470	ng/ul	99
34) Caprolactam	11.862	113	9701m	17.924	ng/ul	
35) 4-Chloro-3-methylphenol	12.232	107	37252	22.085	ng/ul	95
36) 2-Methylnaphthalene	12.614	142	83734	21.624	ng/ul	89

Quantitation Report (QT Reviewed)

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Sample : SSTDCCC020
Misc :
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QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020456

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.832	142	79526	20.982	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.979	216	71369	23.163	ng/ul	92
40) Hexachlorocyclopentadiene	12.961	237	47201	22.112	ng/ul	94
41) 2,4,6-Trichlorophenol	13.208	196	38670	22.703	ng/ul	96
42) 2,4,5-Trichlorophenol	13.284	196	40531	22.584	ng/ul	94
43) 1,1'-Biphenyl	13.607	154	116421	20.620	ng/ul#	98
44) 2-Chloronaphthalene	13.654	162	92013	20.759	ng/ul	97
45) 2-Nitroaniline	13.842	65	27501	20.871	ng/ul	90
47) Dimethylphthalate	14.212	163	133332	20.711	ng/ul	99
48) 2,6-Dinitrotoluene	14.330	165	25668	21.729	ng/ul	98
50) Acenaphthylene	14.494	152	158353	20.487	ng/ul	98
51) 3-Nitroaniline	14.659	138	21550	21.034	ng/ul	96
52) Acenaphthene	14.829	153	103189	20.360	ng/ul	98
53) 2,4-Dinitrophenol	14.859	184	12009	17.287	ng/ul#	82
55) 4-Nitrophenol	14.953	109	19981	22.600	ng/ul#	80
56) Dibenzofuran	15.164	168	163023	21.073	ng/ul	100
57) 2,4-Dinitrotoluene	15.111	165	39391	21.918	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.382	232	48101	23.668	ng/ul#	94
59) Diethylphthalate	15.564	149	127703	20.198	ng/ul	98
61) Fluorene	15.805	166	126844	20.903	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.793	204	83932	22.681	ng/ul	98
63) 4-Nitroaniline	15.805	138	23137	21.933	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.869	198	25532	19.509	ng/ul	94
67) N-Nitrosodiphenylamine	16.004	169	113863	20.144	ng/ul	98
68) 4-Bromophenyl-phenylether	16.686	248	63710	22.721	ng/ul	92
69) Hexachlorobenzene	16.809	284	77166	22.684	ng/ul#	93
70) Atrazine	16.939	200	57998	21.445	ng/ul	97
71) Pentachlorophenol	17.150	266	37018	19.597	ng/ul	95
72) Phenanthrene	17.538	178	233791	19.879	ng/ul	99
74) Anthracene	17.632	178	240860	20.417	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.578	216	71063	22.473	ng/ul	96
76) Pentachlorobenzene	15.088	250	81426	22.666	ng/ul	100
77) Carbazole	17.890	167	190250	19.775	ng/ul	98
78) Di-n-butylphthalate	18.443	149	212391	19.087	ng/ul	99
80) Fluoranthene	19.530	202	311145	20.071	ng/ul#	93
82) Pyrene	19.894	202	326105	20.154	ng/ul#	94
83) Butylbenzylphthalate	20.758	149	100625	18.831	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.633	252	133770	23.315	ng/ul#	97
85) Benzo(a)anthracene	21.727	228	375666	20.797	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.621	149	142404	18.019	ng/ul	97
87) Chrysene	21.792	228	357106	20.425	ng/ul	99
89) Di-n-octyl phthalate	22.843	149	247210	17.783	ng/ul	100
90) Benzo(b)fluoranthene	23.960	252	386772	20.593	ng/ul#	99
91) Benzo(k)fluoranthene	24.030	252	389765	20.281	ng/ul	95
93) Benzo(a)pyrene	24.841	252	371345	20.788	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.713	276	473734	20.643	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.778	278	381428	20.603	ng/ul#	97
96) Benzo(g,h,i)perylene	29.871	276	381933	20.618	ng/ul#	95

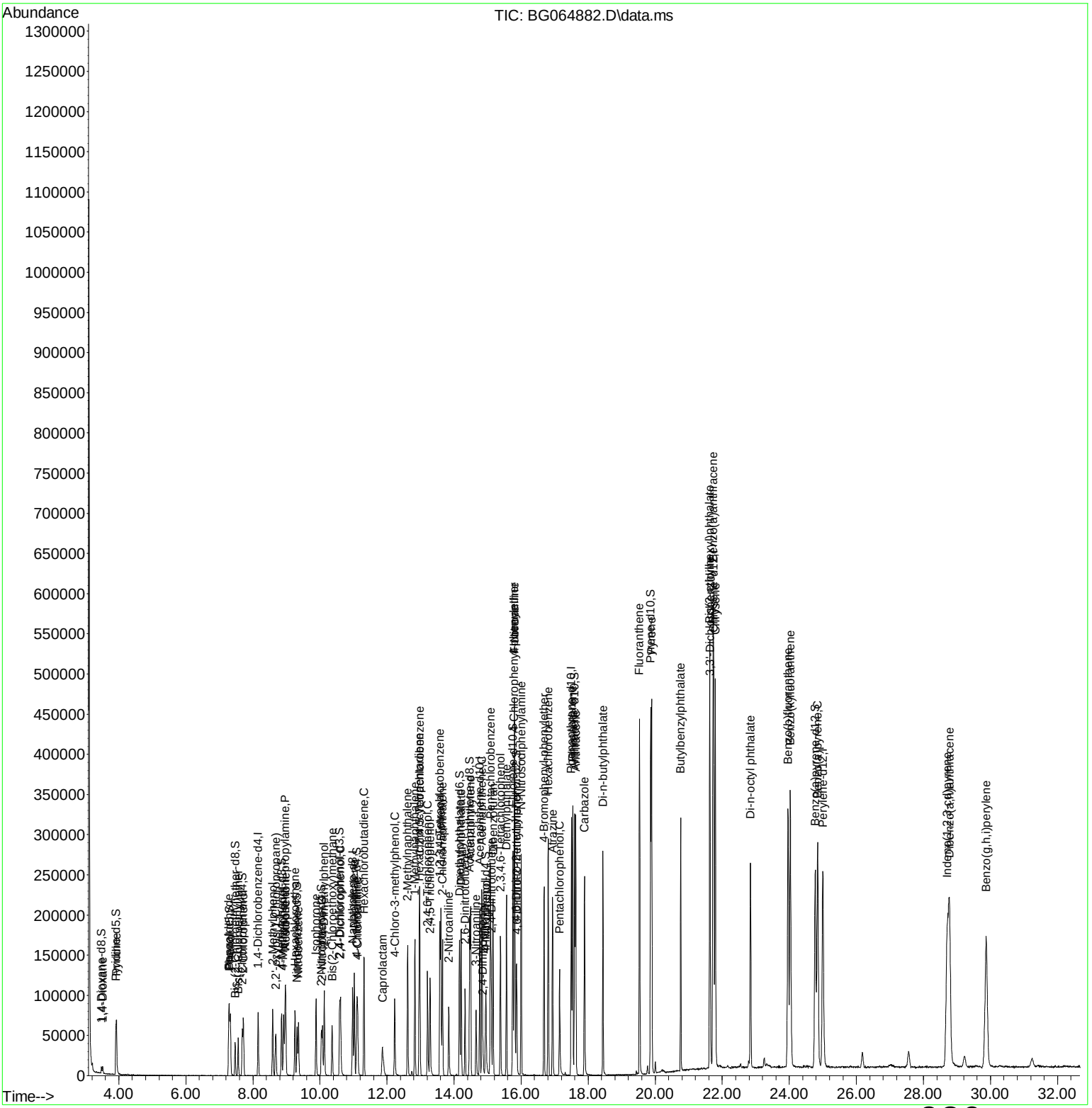
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Acq On : 26 Nov 2025 6:54
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Misc :
ALS Vial : 28 Sample Multiplier: 1

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Manual Integrations APPROVED
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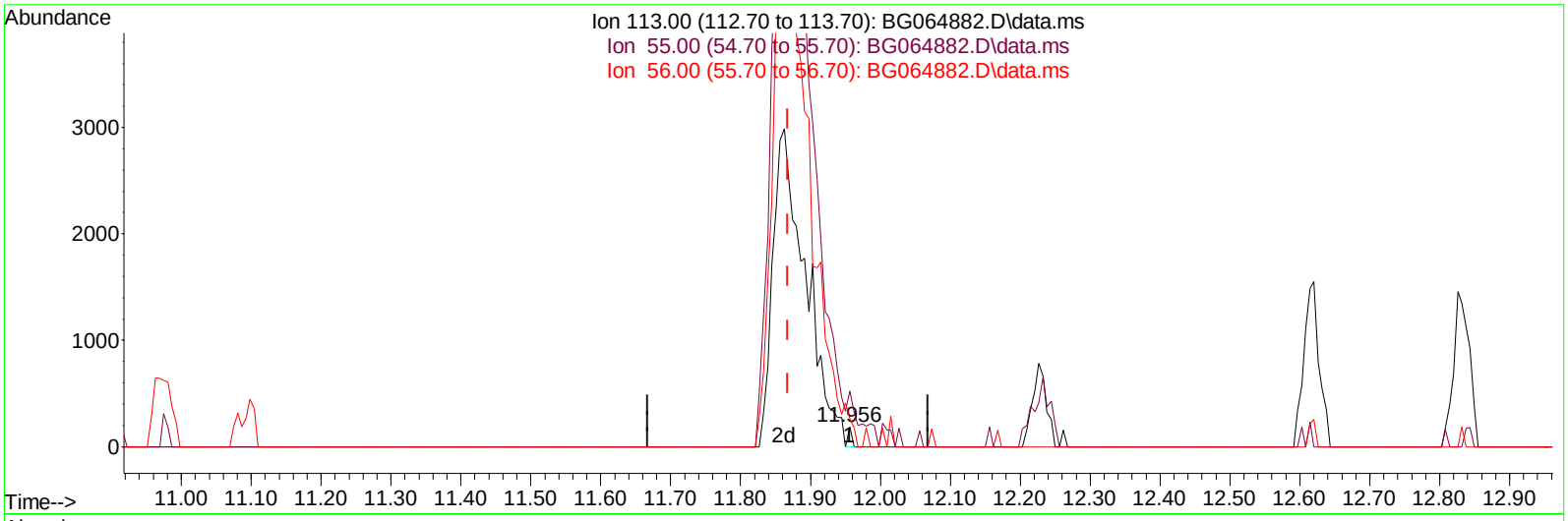
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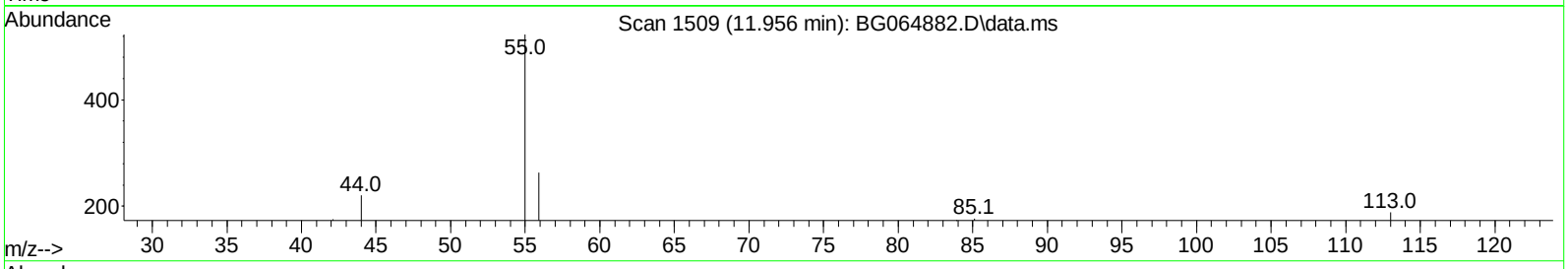
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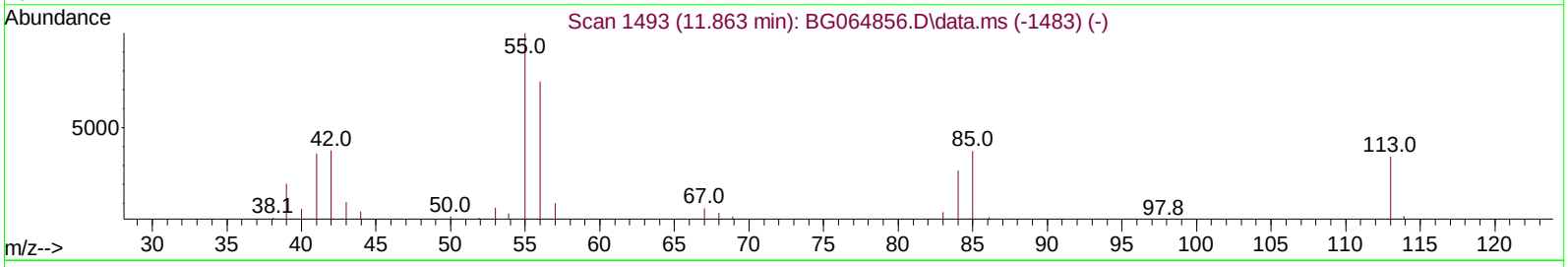
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TIC: BG064882.D\data.ms

(34) Caprolactam

11.956min (+ 0.088) 0.12 ng/ul

response 66

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	278.19
56.00	159.40	139.89
0.00	0.00	0.00

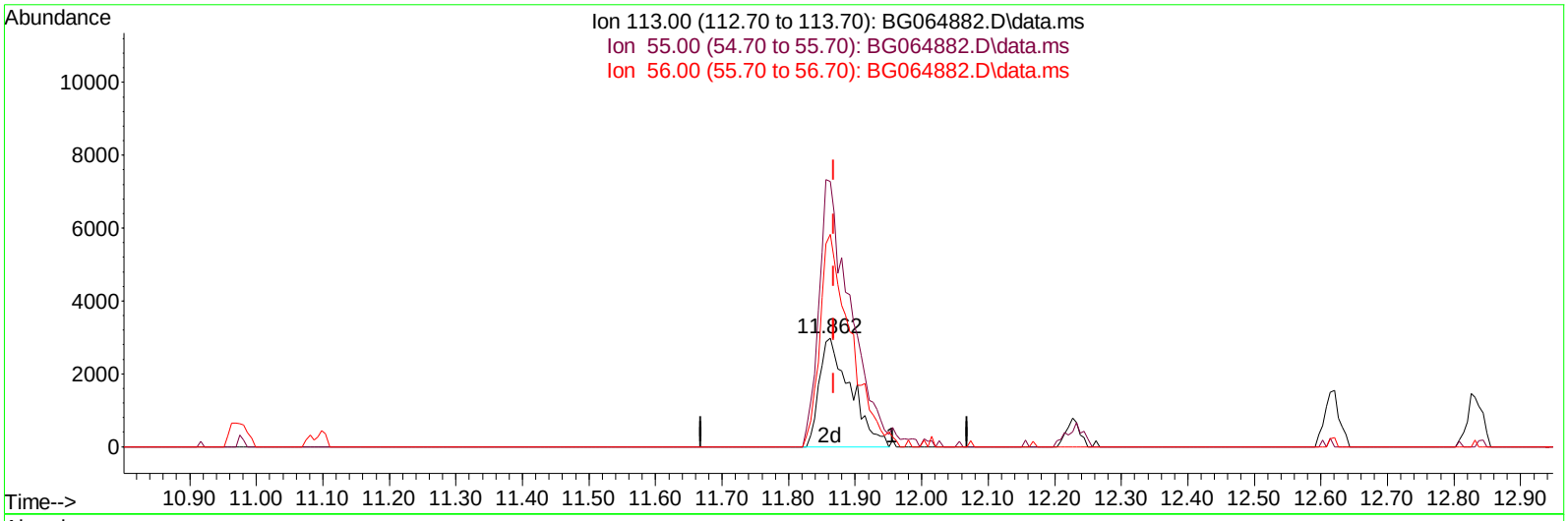
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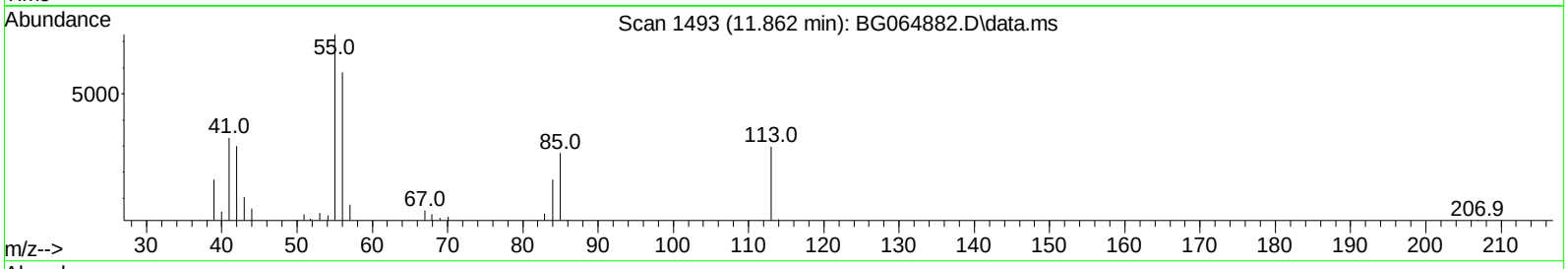
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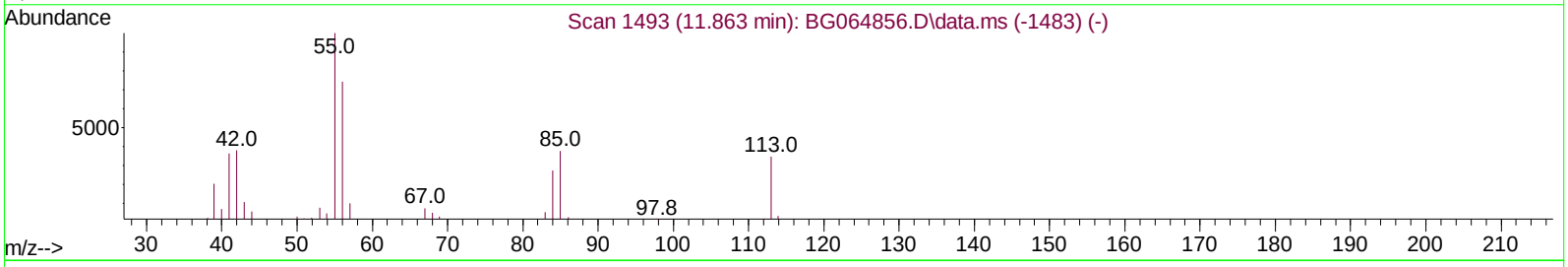
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TIC: BG064882.D\data.ms

(34) Caprolactam

11.862min (-0.006) 17.92 ng/ul m

response 9701

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	243.44
56.00	159.40	195.18#
0.00	0.00	0.00

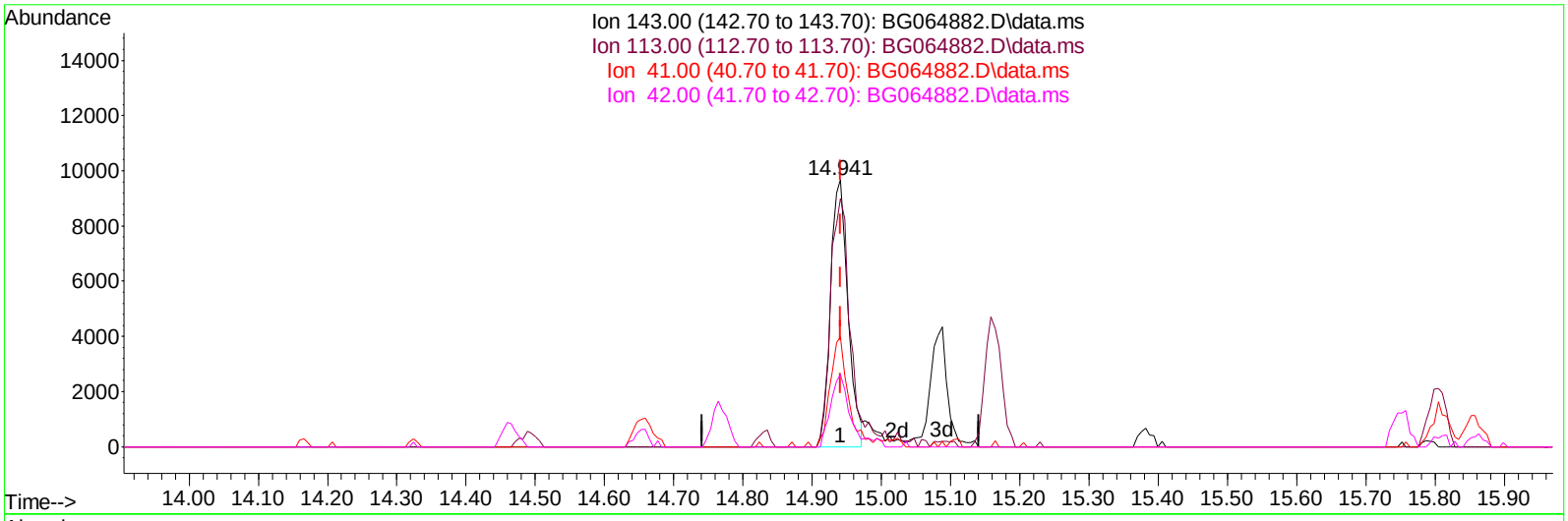
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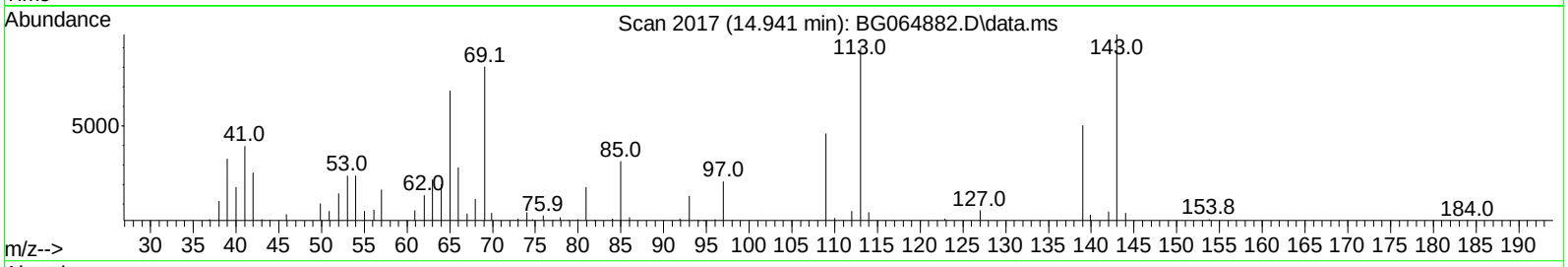
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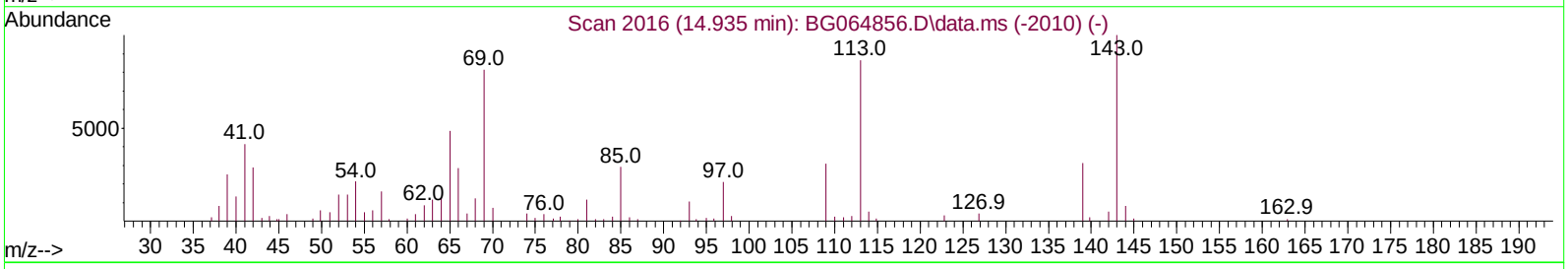
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TIC: BG064882.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 17.49 ng/ul

response 16731

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	93.04
41.00	40.40	41.06
42.00	23.60	27.02

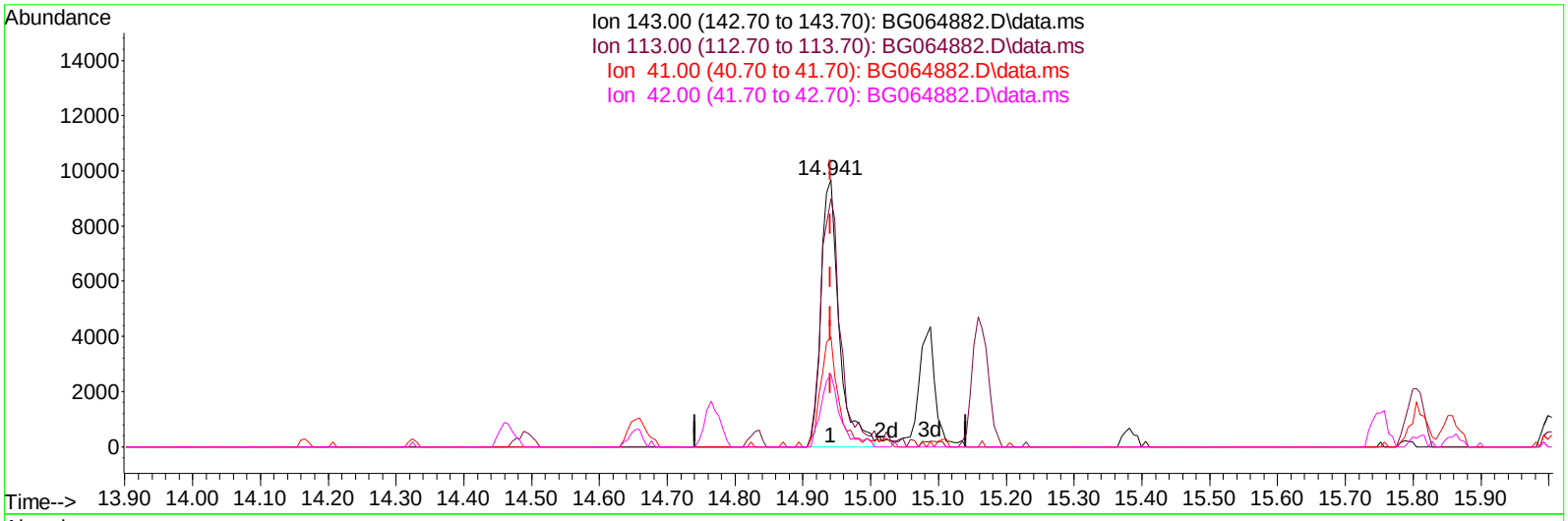
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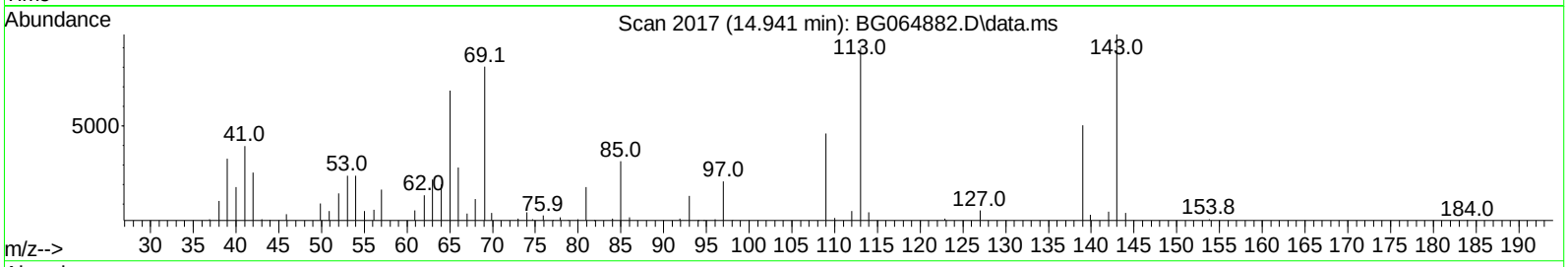
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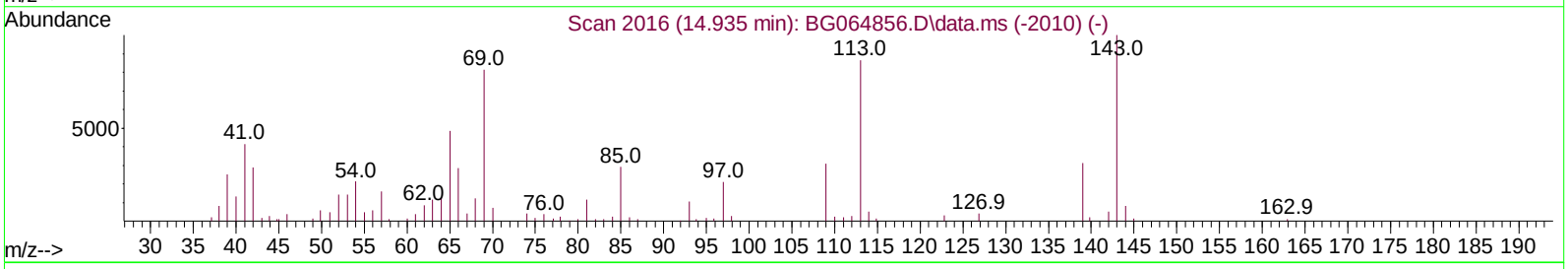
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TIC: BG064882.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 18.83 ng/ul m

response 18009

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	93.04
41.00	40.40	41.06
42.00	23.60	27.02

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
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38) Acenaphthene-d10	14.771	164	80198	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	210331	20.000	ng/ul	# 0.00
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88) Perylene-d12	25.000	264	305050	20.000	ng/ul	0.00
System Monitoring Compounds						
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4) Pyridine-d5	3.913	84	24538	15.122	ng/ul	0.00
7) Phenol-d5	7.303	99	34042	18.091	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	18945	15.742	ng/ul	0.00
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49) Acenaphthylene-d8	14.465	160	139982	20.720	ng/ul	0.00
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60) Fluorene-d10	15.752	176	120179	21.220	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	26947	20.011	ng/ul	0.00
73) Anthracene-d10	17.597	188	218354	20.545	ng/ul	0.00
81) Pyrene-d10	19.865	212	281898	20.369	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	332267	20.645	ng/ul	0.00
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10) Bis(2-Chloroethyl)ether	7.561	93	24493	16.861	ng/ul	90
12) 2-Chlorophenol	7.714	128	28962	19.170	ng/ul	95
13) 2-Methylphenol	8.590	108	28579	18.379	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.684	45	52369	17.171	ng/ul#	97
16) Acetophenone	8.977	105	48433	18.156	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.960	70	22586	17.650	ng/ul	93
18) 4-Methylphenol	8.913	108	30409	17.825	ng/ul	86
19) Hexachloroethane	9.254	117	12785	18.962	ng/ul	98
22) Nitrobenzene	9.359	77	34949	20.064	ng/ul	97
23) Isophorone	9.882	82	65724	19.261	ng/ul#	95
25) 2-Nitrophenol	10.076	139	17568	20.745	ng/ul#	77
26) 2,4-Dimethylphenol	10.129	107	38761	21.250	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.364	93	35123	18.353	ng/ul	98
29) 2,4-Dichlorophenol	10.617	162	34407	22.213	ng/ul	97
30) Naphthalene	11.022	128	104160	20.157	ng/ul	97
32) 4-Chloroaniline	11.122	127	42598	19.715	ng/ul	99
33) Hexachlorobutadiene	11.316	225	41382	25.470	ng/ul	99
34) Caprolactam	11.862	113	9701m	17.924	ng/ul	
35) 4-Chloro-3-methylphenol	12.232	107	37252	22.085	ng/ul	95

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064882.D
Acq On : 26 Nov 2025 6:54
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020456

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 26 08:38:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36)	2-Methylnaphthalene	12.614	142	83734	21.624	ng/ul	89
37)	1-Methylnaphthalene	12.832	142	79526	20.982	ng/ul	99
39)	1,2,4,5-Tetrachloroben...	12.979	216	71369	23.163	ng/ul	92
40)	Hexachlorocyclopentadiene	12.961	237	47201	22.112	ng/ul	94
41)	2,4,6-Trichlorophenol	13.208	196	38670	22.703	ng/ul	96
42)	2,4,5-Trichlorophenol	13.284	196	40531	22.584	ng/ul	94
43)	1,1'-Biphenyl	13.607	154	116421	20.620	ng/ul#	98
44)	2-Chloronaphthalene	13.654	162	92013	20.759	ng/ul	97
45)	2-Nitroaniline	13.842	65	27501	20.871	ng/ul	90
47)	Dimethylphthalate	14.212	163	133332	20.711	ng/ul	99
48)	2,6-Dinitrotoluene	14.330	165	25668	21.729	ng/ul	98
50)	Acenaphthylene	14.494	152	158353	20.487	ng/ul	98
51)	3-Nitroaniline	14.659	138	21550	21.034	ng/ul	96
52)	Acenaphthene	14.829	153	103189	20.360	ng/ul	98
53)	2,4-Dinitrophenol	14.859	184	12009	17.287	ng/ul#	82
55)	4-Nitrophenol	14.953	109	19981	22.600	ng/ul#	80
56)	Dibenzofuran	15.164	168	163023	21.073	ng/ul	100
57)	2,4-Dinitrotoluene	15.111	165	39391	21.918	ng/ul	97
58)	2,3,4,6-Tetrachlorophenol	15.382	232	48101	23.668	ng/ul#	94
59)	Diethylphthalate	15.564	149	127703	20.198	ng/ul	98
61)	Fluorene	15.805	166	126844	20.903	ng/ul	98
62)	4-Chlorophenyl-phenyle...	15.793	204	83932	22.681	ng/ul	98
63)	4-Nitroaniline	15.805	138	23137	21.933	ng/ul	90
66)	4,6-Dinitro-2-methylph...	15.869	198	25532	19.509	ng/ul	94
67)	N-Nitrosodiphenylamine	16.004	169	113863	20.144	ng/ul	98
68)	4-Bromophenyl-phenylether	16.686	248	63710	22.721	ng/ul	92
69)	Hexachlorobenzene	16.809	284	77166	22.684	ng/ul#	93
70)	Atrazine	16.939	200	57998	21.445	ng/ul	97
71)	Pentachlorophenol	17.150	266	37018	19.597	ng/ul	95
72)	Phenanthrene	17.538	178	233791	19.879	ng/ul	99
74)	Anthracene	17.632	178	240860	20.417	ng/ul	97
75)	1,2,3,4-Tetrachloroben...	13.578	216	71063	22.473	ng/ul	96
76)	Pentachlorobenzene	15.088	250	81426	22.666	ng/ul	100
77)	Carbazole	17.890	167	190250	19.775	ng/ul	98
78)	Di-n-butylphthalate	18.443	149	212391	19.087	ng/ul	99
80)	Fluoranthene	19.530	202	311145	20.071	ng/ul#	93
82)	Pyrene	19.894	202	326105	20.154	ng/ul#	94
83)	Butylbenzylphthalate	20.758	149	100625	18.831	ng/ul	96
84)	3,3'-Dichlorobenzidine	21.633	252	133770	23.315	ng/ul#	97
85)	Benzo(a)anthracene	21.727	228	375666	20.797	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.621	149	142404	18.019	ng/ul	97
87)	Chrysene	21.792	228	357106	20.425	ng/ul	99
89)	Di-n-octyl phthalate	22.843	149	247210	17.783	ng/ul	100
90)	Benzo(b)fluoranthene	23.960	252	386772	20.593	ng/ul#	99
91)	Benzo(k)fluoranthene	24.030	252	389765	20.281	ng/ul	95
93)	Benzo(a)pyrene	24.841	252	371345	20.788	ng/ul#	98
94)	Indeno(1,2,3-cd)pyrene	28.713	276	473734	20.643	ng/ul#	96
95)	Dibenzo(a,h)anthracene	28.778	278	381428	20.603	ng/ul#	97
96)	Benzo(g,h,i)perylene	29.871	276	381933	20.618	ng/ul#	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

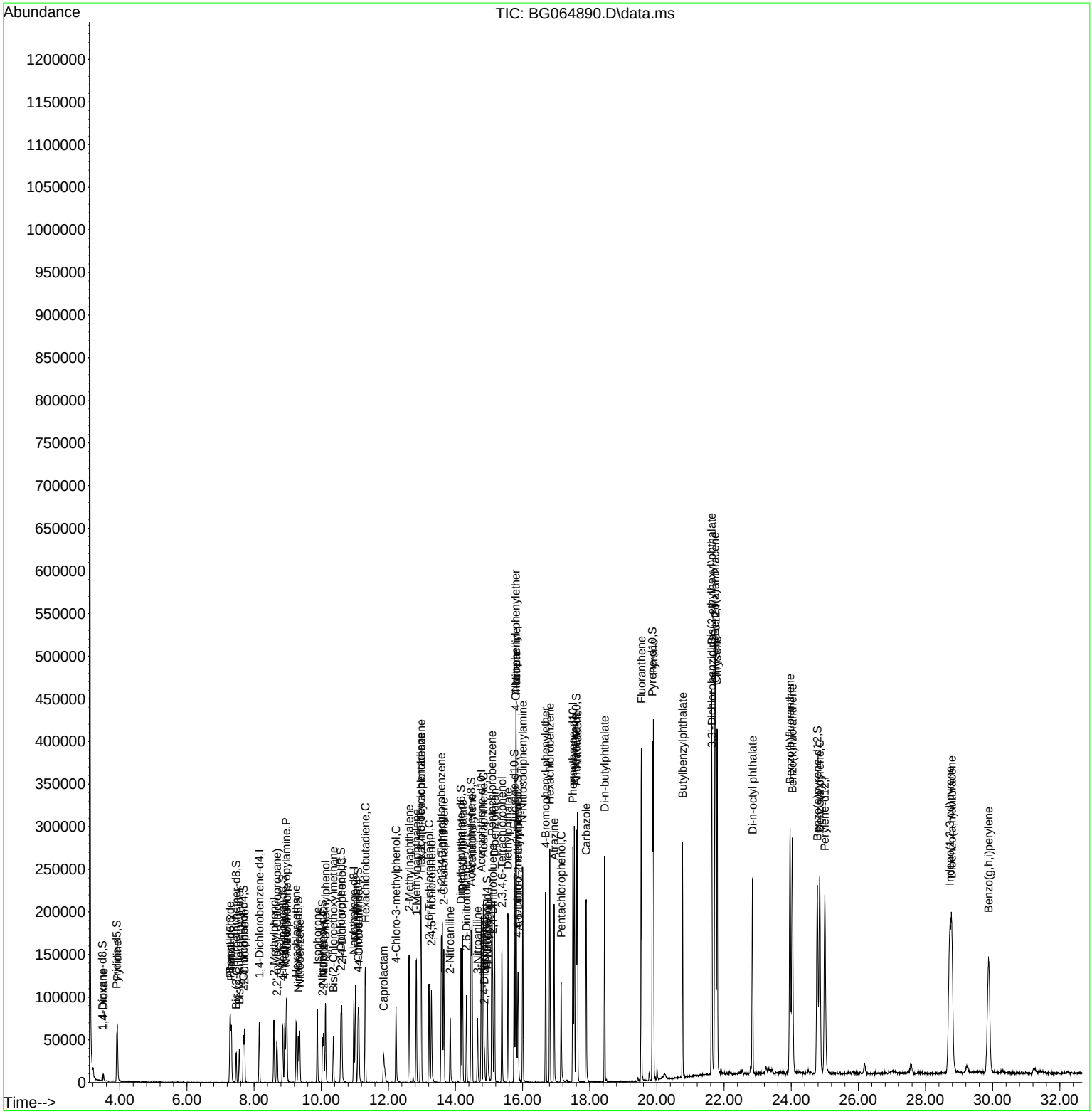
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 01 11:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	20076	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	82474	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	74176	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	193784	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	239379	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	265708	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	3511	6.932	ng/uL	0.00
4) Pyridine-d5	3.911	84	22228	15.927	ng/ul	0.00
7) Phenol-d5	7.301	99	29377	18.152	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	17132	16.552	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	25334	20.649	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	26706	19.146	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	12970	20.850	ng/ul	0.00
24) 2-Nitrophenol-d4	10.039	143	16824	22.770	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	33631	22.077	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	37615	19.318	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	117070	20.064	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	127374	20.384	ng/ul	0.00
54) 4-Nitrophenol-d4	14.939	143	15896	17.970	ng/ul	0.00
60) Fluorene-d10	15.750	176	108128	20.642	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	24679	19.892	ng/ul	0.00
73) Anthracene-d10	17.595	188	197043	20.123	ng/ul	0.00
81) Pyrene-d10	19.863	212	249035	20.253	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.775	264	287328	20.496	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	3159	5.392	ng/uL	95
5) Pyridine	3.929	79	23998	15.705	ng/ul#	88
6) Benzaldehyde	7.284	77	19972	25.126	ng/ul	96
8) Phenol	7.325	94	30506	18.057	ng/ul#	90
10) Bis(2-Chloroethyl)ether	7.566	93	21069	16.863	ng/ul	97
12) 2-Chlorophenol	7.712	128	26614	20.482	ng/ul	94
13) 2-Methylphenol	8.594	108	25473	19.047	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.682	45	46709	17.807	ng/ul	98
16) Acetophenone	8.976	105	42314	18.443	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.958	70	19820	18.008	ng/ul	92
18) 4-Methylphenol	8.917	108	27517	18.753	ng/ul#	78
19) Hexachloroethane	9.252	117	11282	19.455	ng/ul	91
22) Nitrobenzene	9.363	77	31128	19.483	ng/ul	95
23) Isophorone	9.886	82	58961	18.838	ng/ul#	93
25) 2-Nitrophenol	10.074	139	16082	20.704	ng/ul#	87
26) 2,4-Dimethylphenol	10.127	107	34868	20.840	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.362	93	30203	17.207	ng/ul#	98
29) 2,4-Dichlorophenol	10.615	162	31833	22.406	ng/ul	95
30) Naphthalene	11.026	128	93579	19.744	ng/ul	98
32) 4-Chloroaniline	11.120	127	38096	19.223	ng/ul	98
33) Hexachlorobutadiene	11.314	225	37473	25.145	ng/ul	98
34) Caprolactam	11.861	113	8568m	17.259	ng/ul	
35) 4-Chloro-3-methylphenol	12.231	107	32521	21.020	ng/ul	92
36) 2-Methylnaphthalene	12.618	142	76050	21.412	ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 01 11:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.836	142	72084	20.735	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.977	216	65283	22.908	ng/ul	98
40) Hexachlorocyclopentadiene	12.965	237	42553	21.553	ng/ul	93
41) 2,4,6-Trichlorophenol	13.212	196	34920	22.166	ng/ul	86
42) 2,4,5-Trichlorophenol	13.282	196	37305	22.474	ng/ul	95
43) 1,1'-Biphenyl	13.611	154	106807	20.453	ng/ul#	96
44) 2-Chloronaphthalene	13.653	162	83642	20.403	ng/ul	99
45) 2-Nitroaniline	13.841	65	24214	19.868	ng/ul	93
47) Dimethylphthalate	14.211	163	120130	20.175	ng/ul	97
48) 2,6-Dinitrotoluene	14.328	165	23670	21.664	ng/ul	95
50) Acenaphthylene	14.493	152	142706	19.962	ng/ul	98
51) 3-Nitroaniline	14.657	138	21041	22.204	ng/ul	95
52) Acenaphthene	14.833	153	94205	20.096	ng/ul	98
53) 2,4-Dinitrophenol	14.863	184	12036	18.733	ng/ul	90
55) 4-Nitrophenol	14.957	109	17532m	21.440	ng/ul	
56) Dibenzofuran	15.163	168	148325	20.730	ng/ul	97
57) 2,4-Dinitrotoluene	15.110	165	35835	21.558	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.386	232	43063	22.910	ng/ul#	90
59) Diethylphthalate	15.562	149	117542	20.100	ng/ul	100
61) Fluorene	15.809	166	116061	20.679	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.797	204	75172	21.963	ng/ul	99
63) 4-Nitroaniline	15.809	138	20767	21.284	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.868	198	24254	20.115	ng/ul#	99
67) N-Nitrosodiphenylamine	16.003	169	104305	20.028	ng/ul	99
68) 4-Bromophenyl-phenylether	16.684	248	59023	22.846	ng/ul	94
69) Hexachlorobenzene	16.808	284	71906	22.942	ng/ul	98
70) Atrazine	16.937	200	52806	21.193	ng/ul	97
71) Pentachlorophenol	17.148	266	32411m	18.623	ng/ul	
72) Phenanthrene	17.542	178	214336	19.781	ng/ul	99
74) Anthracene	17.630	178	218132	20.069	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.576	216	65887	22.615	ng/ul	96
76) Pentachlorobenzene	15.086	250	74635	22.550	ng/ul	94
77) Carbazole	17.895	167	170143	19.196	ng/ul	99
78) Di-n-butylphthalate	18.441	149	193411	18.865	ng/ul#	98
80) Fluoranthene	19.534	202	282320	20.498	ng/ul#	92
82) Pyrene	19.892	202	292546	20.349	ng/ul#	93
83) Butylbenzylphthalate	20.762	149	85220	17.950	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.637	252	117831	23.115	ng/ul#	98
85) Benzo(a)anthracene	21.725	228	332844	20.740	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.626	149	123719	17.620	ng/ul	96
87) Chrysene	21.790	228	313870	20.206	ng/ul	98
89) Di-n-octyl phthalate	22.848	149	213714	17.650	ng/ul	100
90) Benzo(b)fluoranthene	23.964	252	328657	20.089	ng/ul#	97
91) Benzo(k)fluoranthene	24.034	252	347766	20.775	ng/ul#	95
93) Benzo(a)pyrene	24.851	252	314218	20.195	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.723	276	417562	20.889	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.782	278	337711	20.942	ng/ul#	96
96) Benzo(g,h,i)perylene	29.875	276	334390	20.725	ng/ul#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

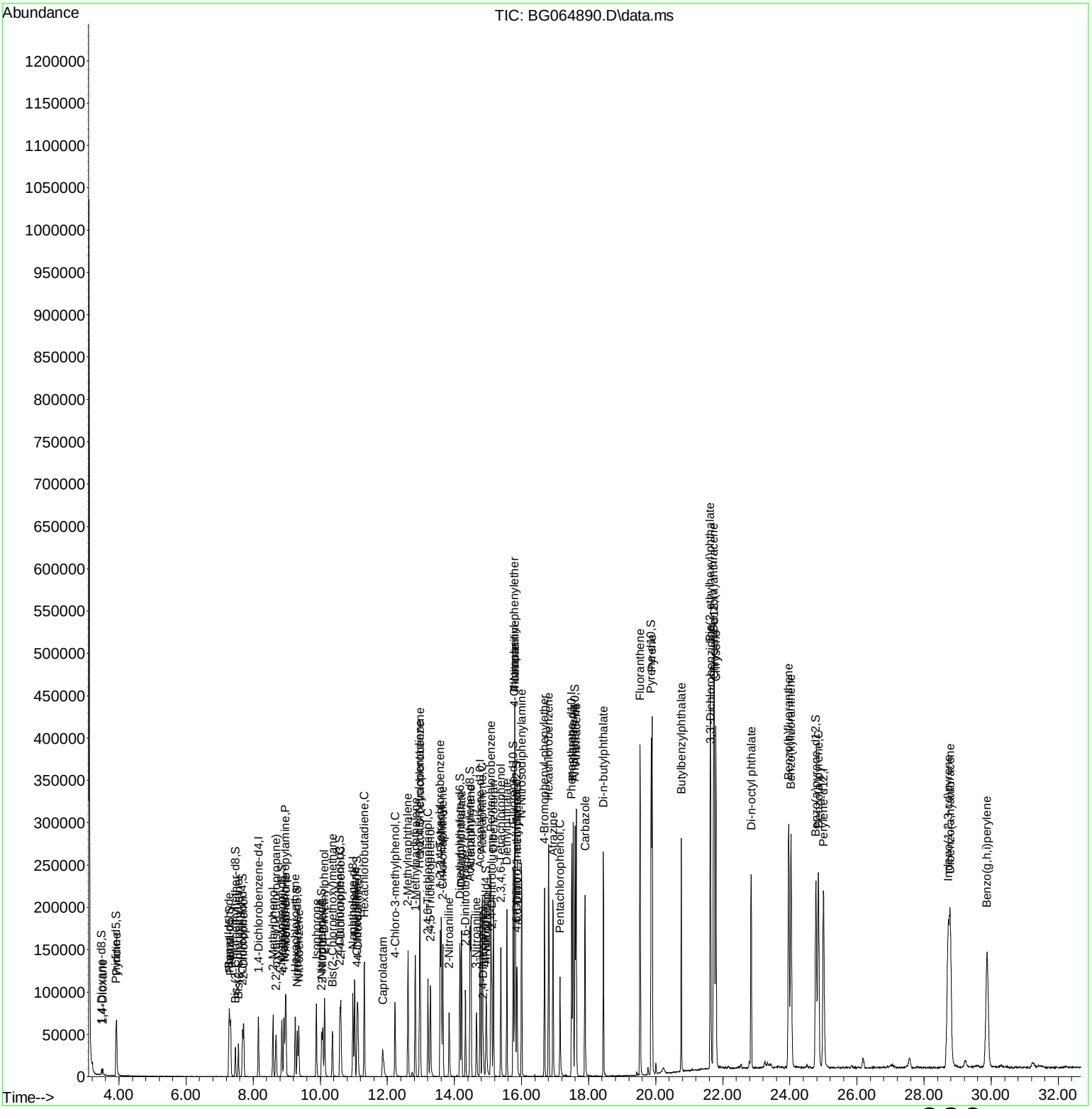
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 01 11:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



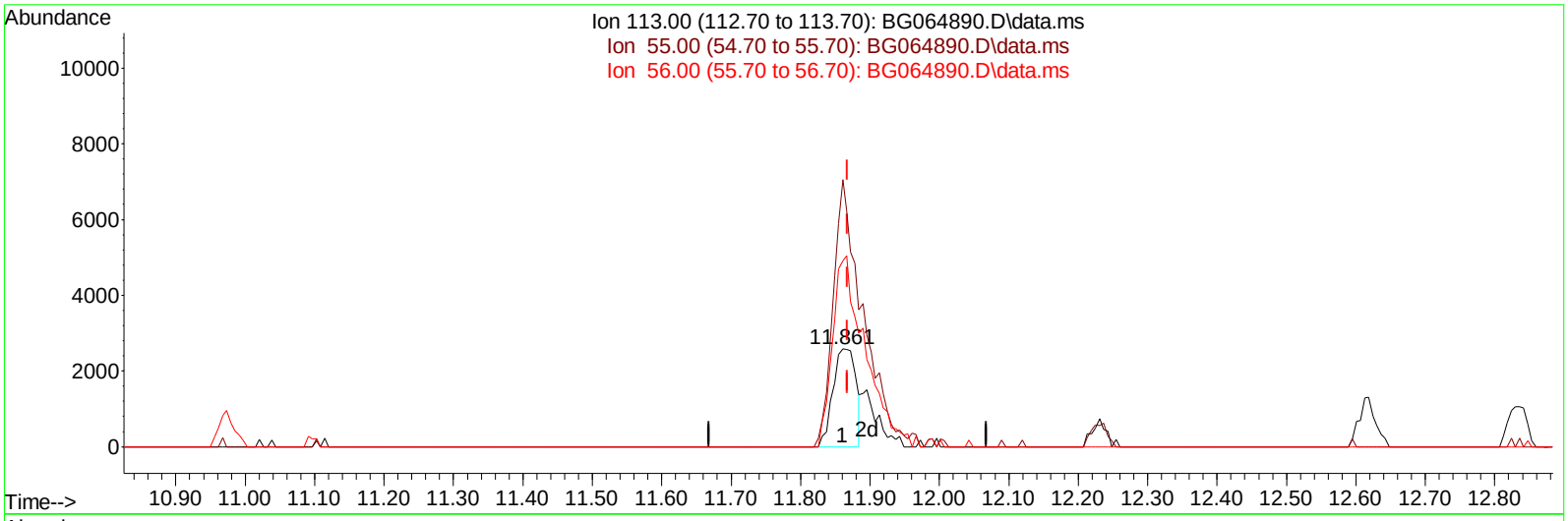
Quantitation Report (Qedit)

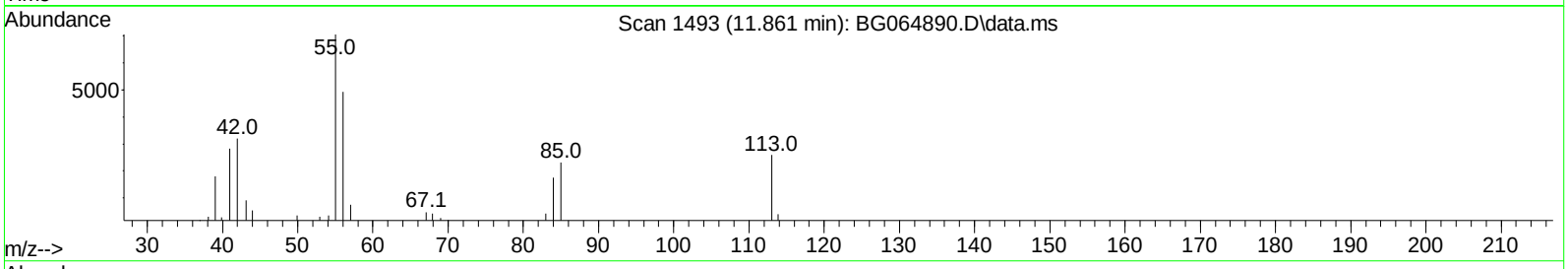
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

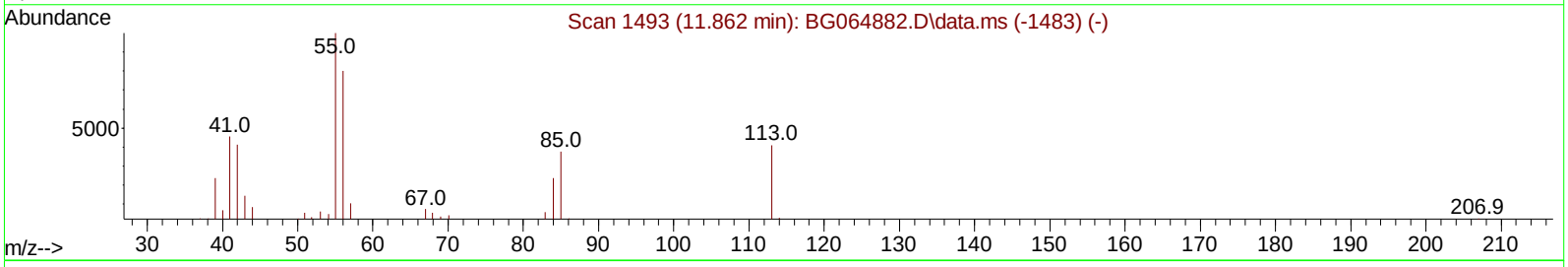
Quant Time: Dec 01 07:52:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064890.D\data.ms

(34) Caprolactam

11.861min (-0.008) 12.08 ng/ul

response 5999

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	272.83
56.00	159.40	190.21
0.00	0.00	0.00

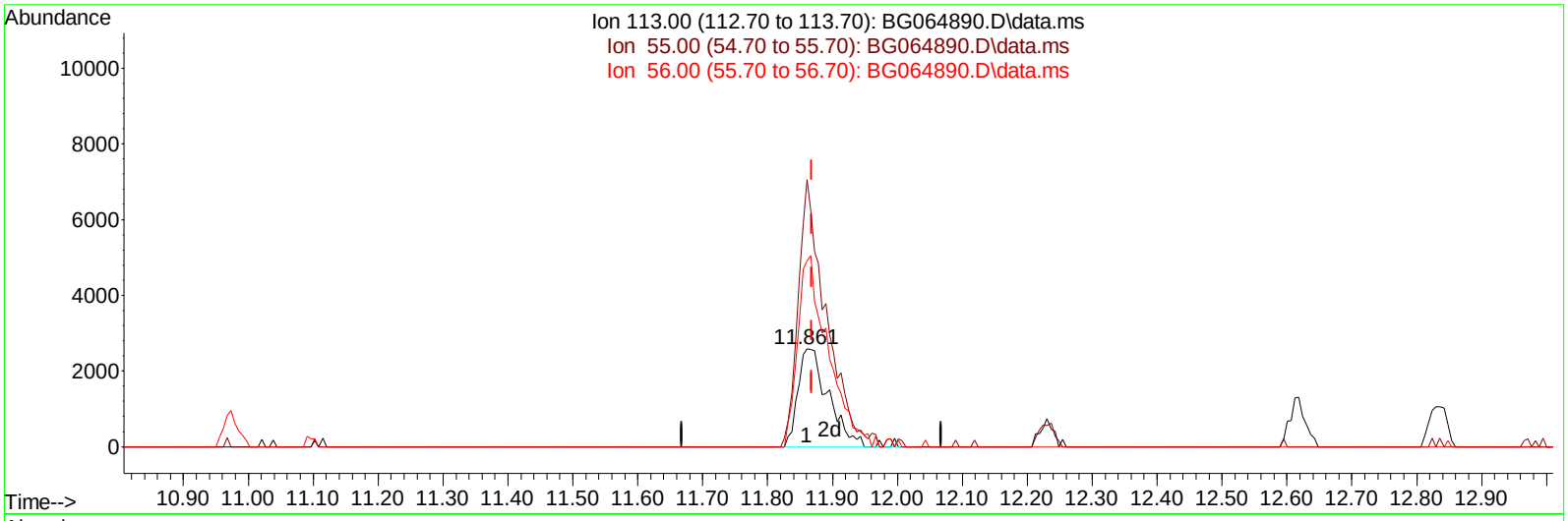
Quantitation Report (Qedit)

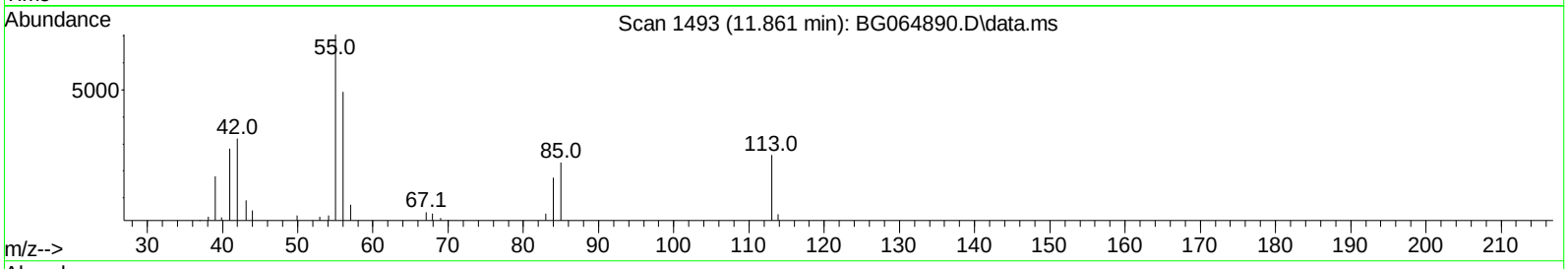
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Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

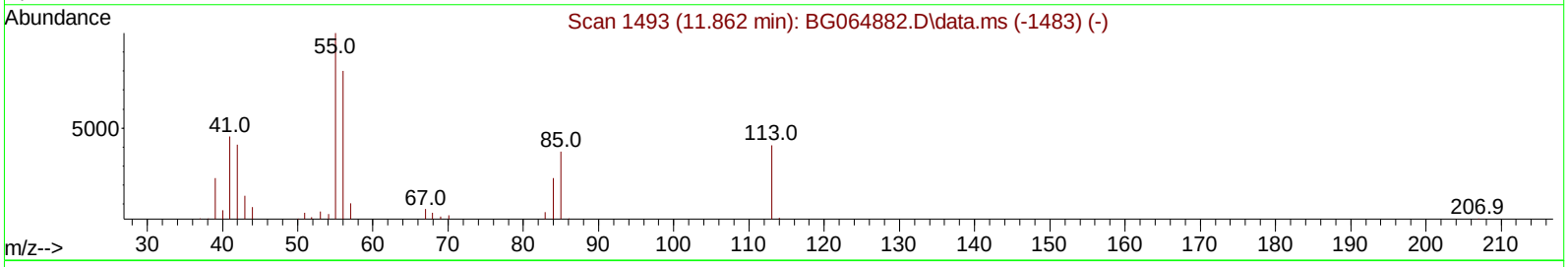
Quant Time: Dec 01 07:52:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064890.D\data.ms

(34) Caprolactam

11.861min (-0.008) 17.26 ng/ul m

response 8568

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	272.83
56.00	159.40	190.21
0.00	0.00	0.00

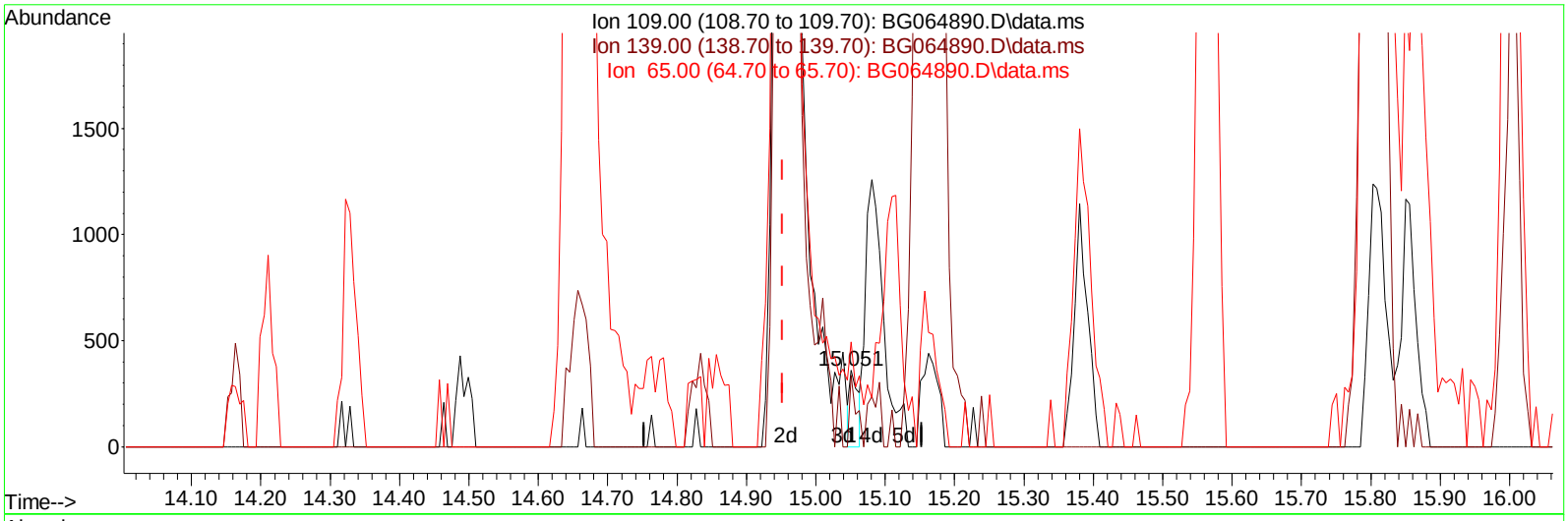
Quantitation Report (Qedit)

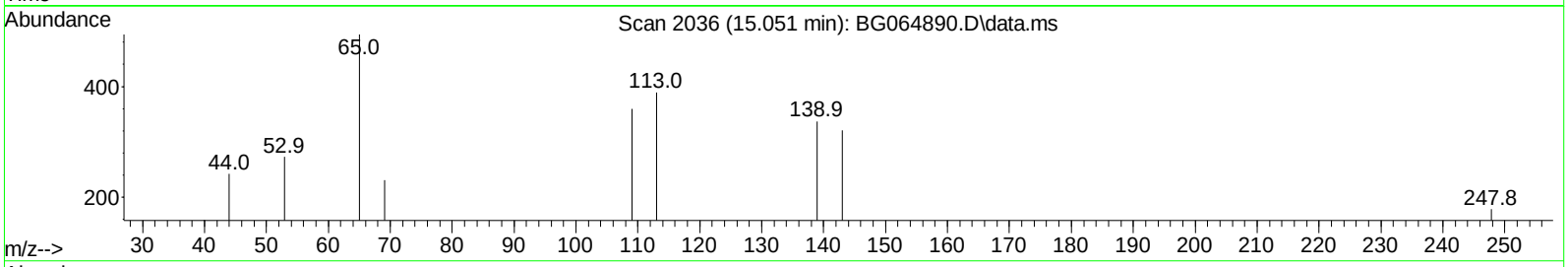
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

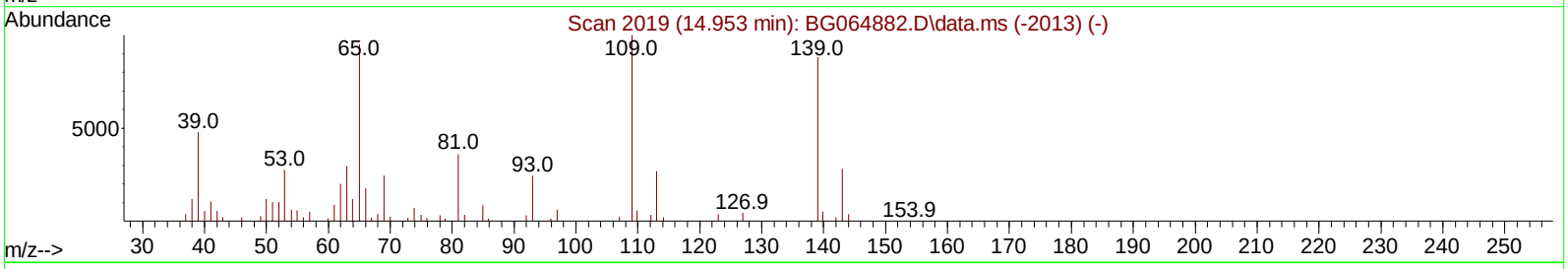
Quant Time: Dec 01 07:52:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064890.D\data.ms

(55) 4-Nitrophenol

15.051min (+ 0.098) 0.38 ng/ul

response 313

Ion	Exp%	Act%
109.00	100.00	100.00
139.00	110.70	93.61
65.00	117.80	137.22
0.00	0.00	0.00

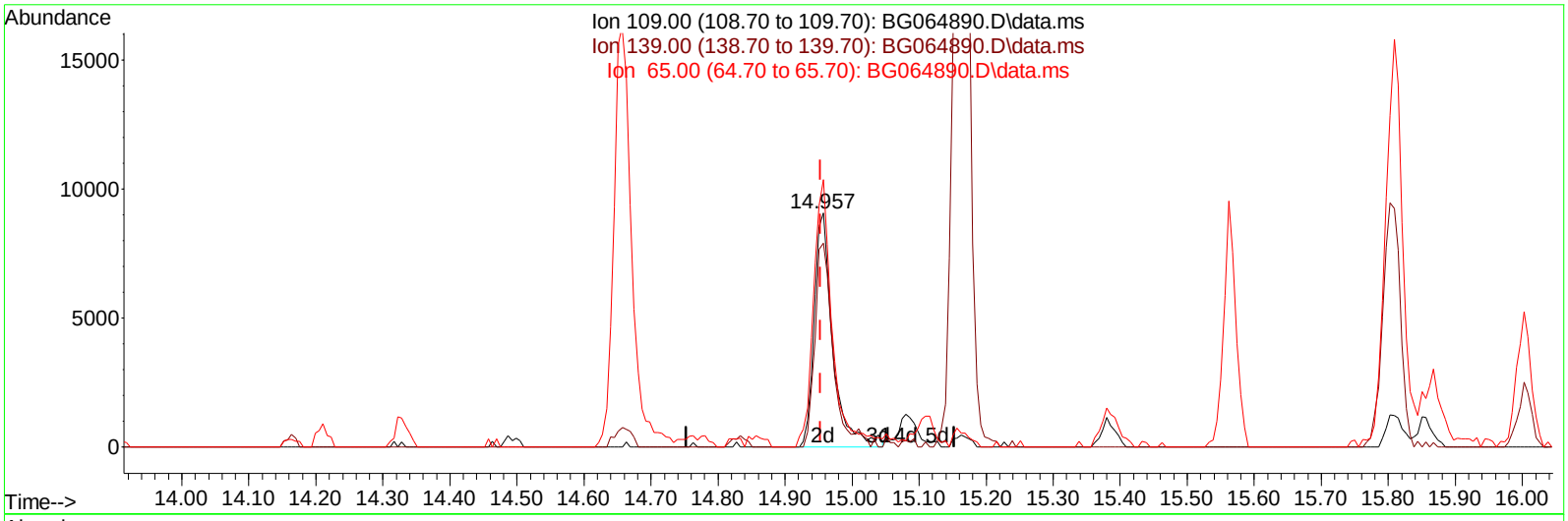
Quantitation Report (Qedit)

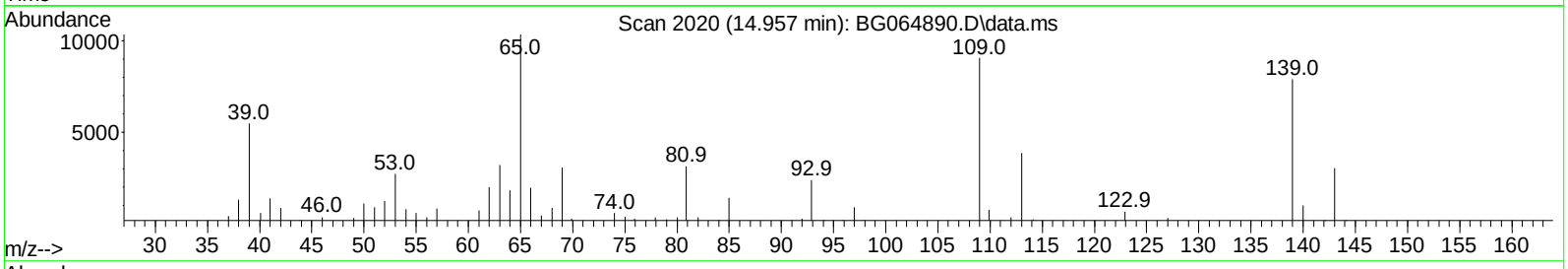
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Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

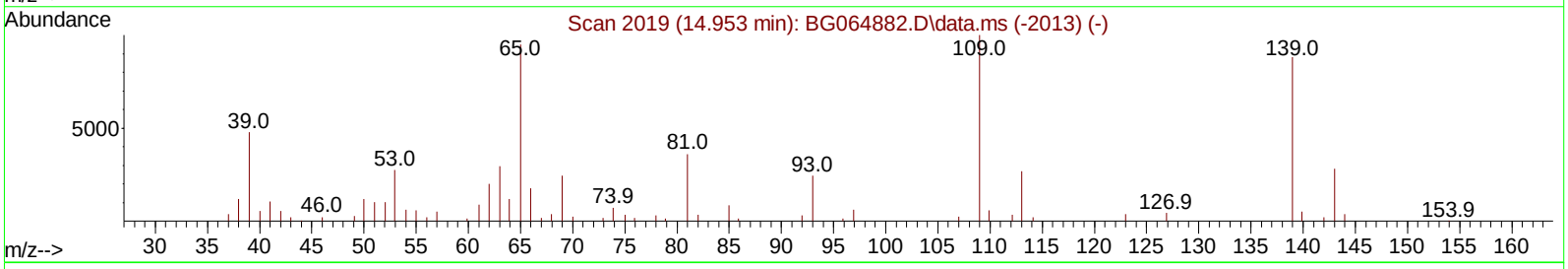
Quant Time: Dec 01 07:52:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064890.D\data.ms

(55) 4-Nitrophenol

14.957min (+ 0.004) 21.44 ng/ul m

response 17532

Ion	Exp%	Act%
109.00	100.00	100.00
139.00	110.70	86.97#
65.00	117.80	114.15
0.00	0.00	0.00

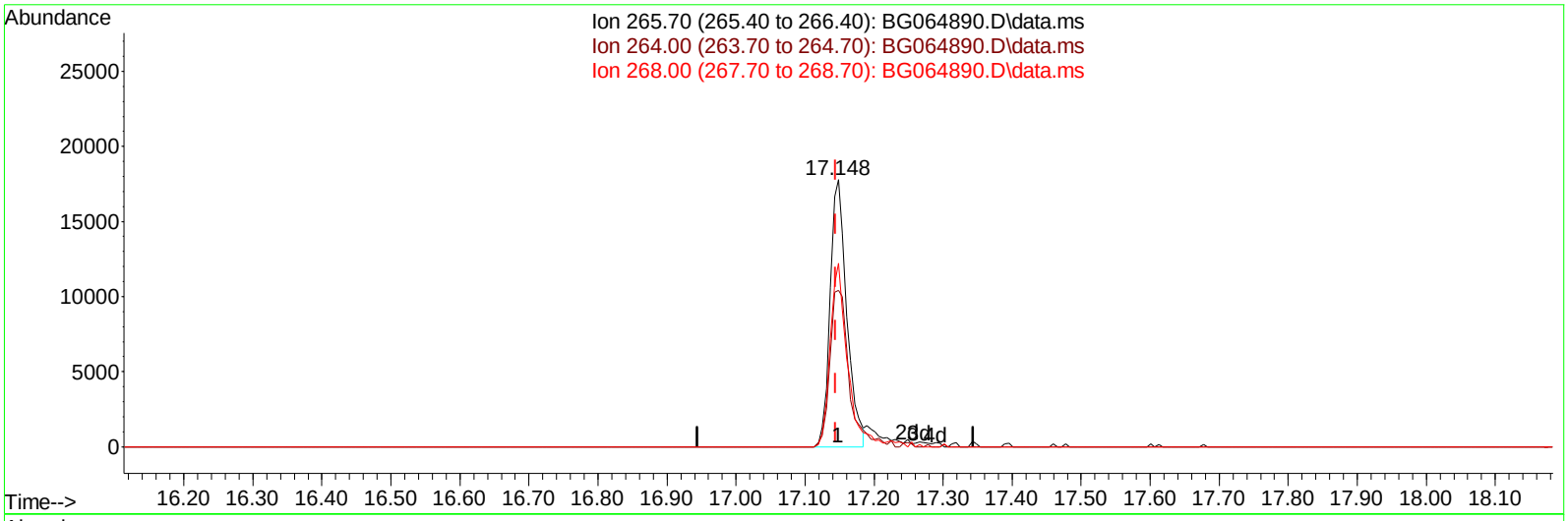
Quantitation Report (Qedit)

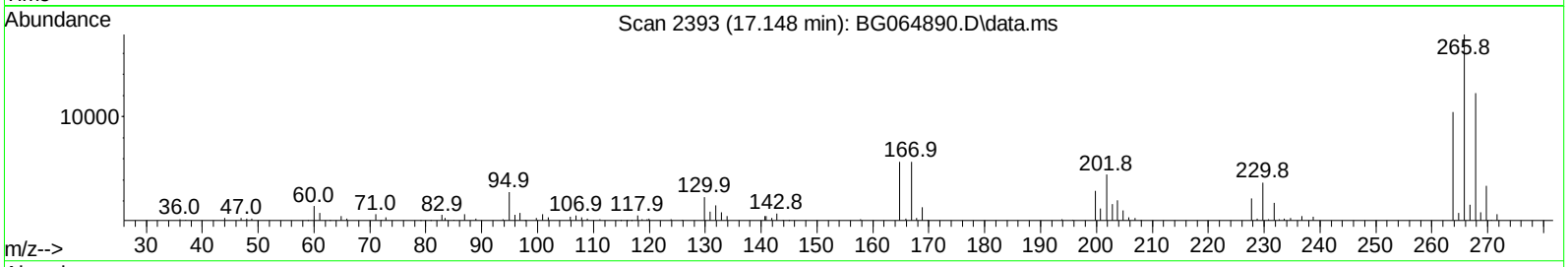
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Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

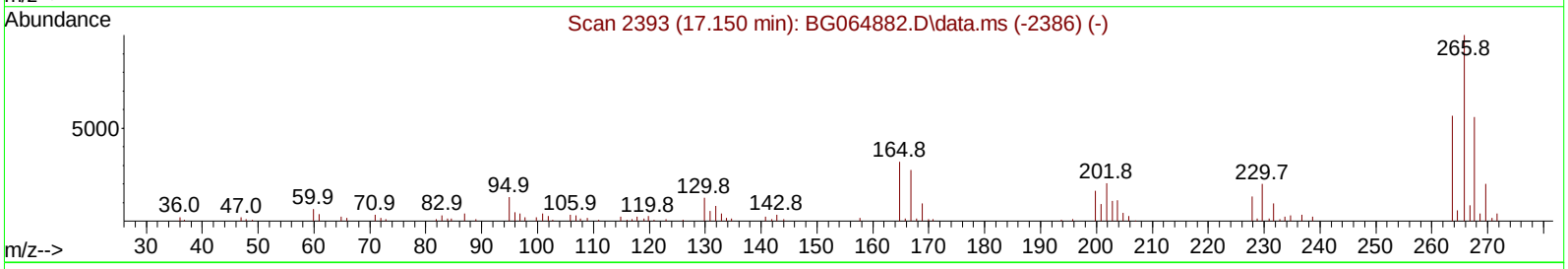
Quant Time: Dec 01 07:52:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064890.D\data.ms

(71) Pentachlorophenol (C)

17.148min (+ 0.004) 17.23 ng/ul

response 29982

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	61.00	58.67
268.00	66.20	73.81
0.00	0.00	0.00

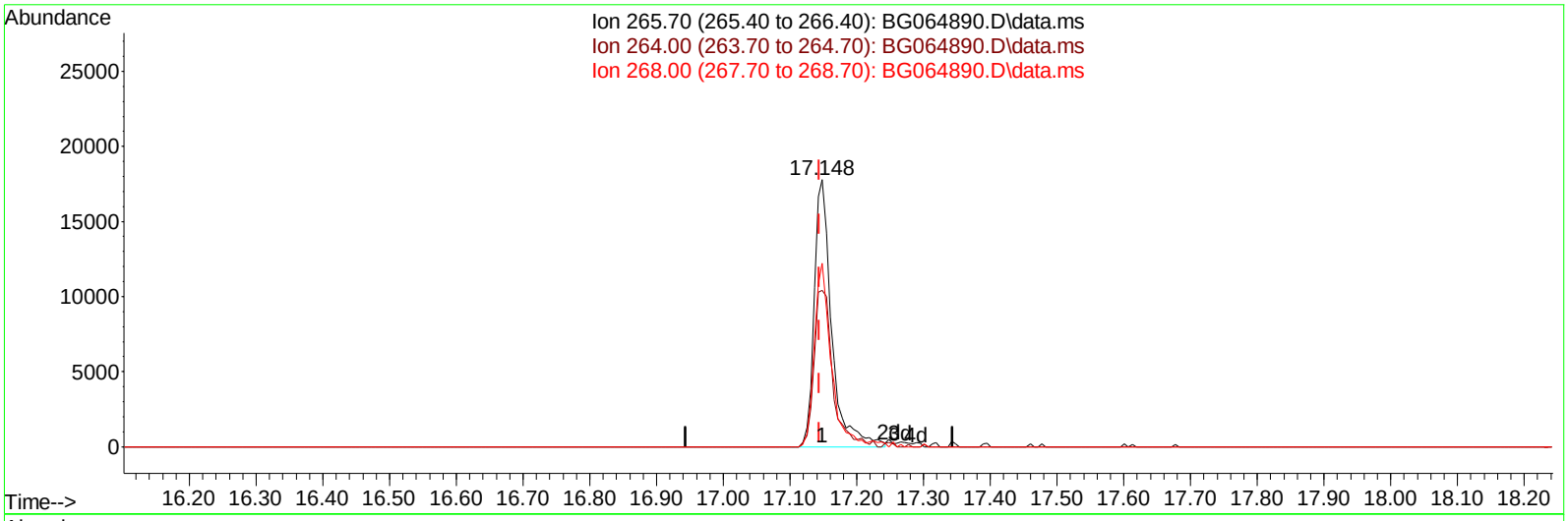
Quantitation Report (Qedit)

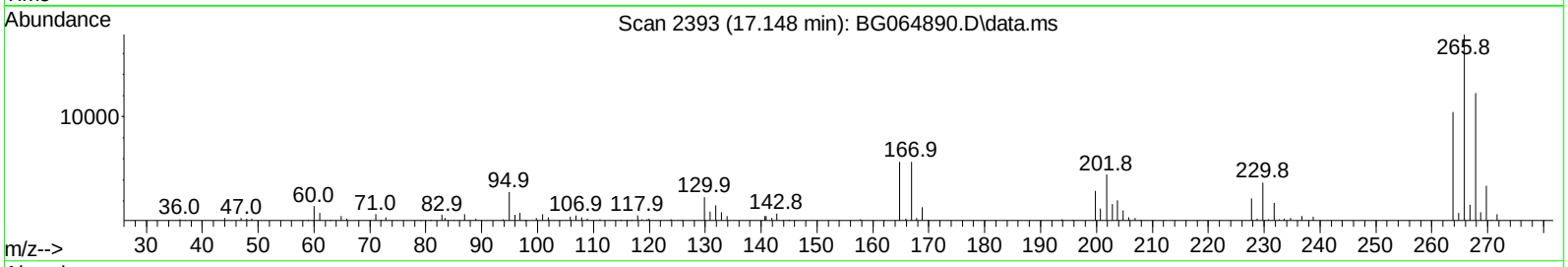
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

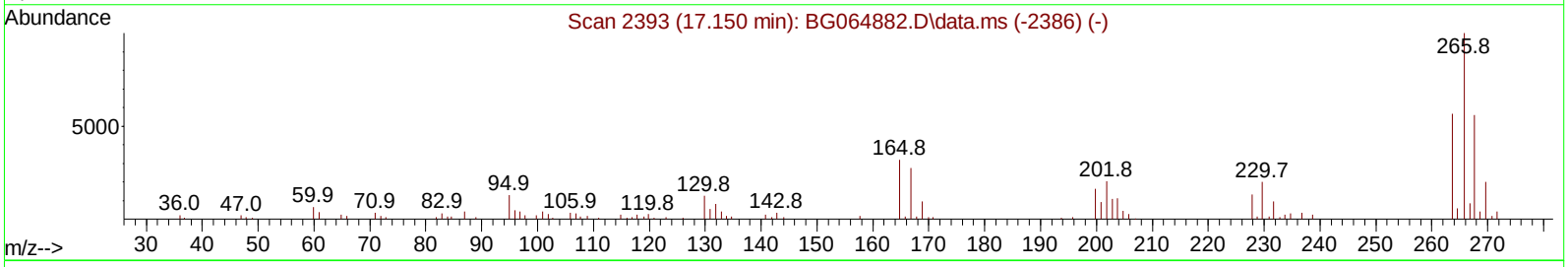
Quant Time: Dec 01 07:52:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
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TIC: BG064890.D\data.ms

(71) Pentachlorophenol (C)

17.148min (+ 0.004) 18.62 ng/ul m

response 32411

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	61.00	58.67
268.00	66.20	68.65
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 01 11:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	20076	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	82474	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	74176	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	193784	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	239379	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	265708	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	3511	6.932	ng/uL	0.00
4) Pyridine-d5	3.911	84	22228	15.927	ng/ul	0.00
7) Phenol-d5	7.301	99	29377	18.152	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	17132	16.552	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	25334	20.649	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	26706	19.146	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	12970	20.850	ng/ul	0.00
24) 2-Nitrophenol-d4	10.039	143	16824	22.770	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	33631	22.077	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	37615	19.318	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	117070	20.064	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	127374	20.384	ng/ul	0.00
54) 4-Nitrophenol-d4	14.939	143	15896	17.970	ng/ul	0.00
60) Fluorene-d10	15.750	176	108128	20.642	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	24679	19.892	ng/ul	0.00
73) Anthracene-d10	17.595	188	197043	20.123	ng/ul	0.00
81) Pyrene-d10	19.863	212	249035	20.253	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.775	264	287328	20.496	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	3159	5.392	ng/uL	95
5) Pyridine	3.929	79	23998	15.705	ng/ul#	88
6) Benzaldehyde	7.284	77	19972	25.126	ng/ul	96
8) Phenol	7.325	94	30506	18.057	ng/ul#	90
10) Bis(2-Chloroethyl)ether	7.566	93	21069	16.863	ng/ul	97
12) 2-Chlorophenol	7.712	128	26614	20.482	ng/ul	94
13) 2-Methylphenol	8.594	108	25473	19.047	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.682	45	46709	17.807	ng/ul	98
16) Acetophenone	8.976	105	42314	18.443	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.958	70	19820	18.008	ng/ul	92
18) 4-Methylphenol	8.917	108	27517	18.753	ng/ul#	78
19) Hexachloroethane	9.252	117	11282	19.455	ng/ul	91
22) Nitrobenzene	9.363	77	31128	19.483	ng/ul	95
23) Isophorone	9.886	82	58961	18.838	ng/ul#	93
25) 2-Nitrophenol	10.074	139	16082	20.704	ng/ul#	87
26) 2,4-Dimethylphenol	10.127	107	34868	20.840	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.362	93	30203	17.207	ng/ul#	98
29) 2,4-Dichlorophenol	10.615	162	31833	22.406	ng/ul	95
30) Naphthalene	11.026	128	93579	19.744	ng/ul	98
32) 4-Chloroaniline	11.120	127	38096	19.223	ng/ul	98
33) Hexachlorobutadiene	11.314	225	37473	25.145	ng/ul	98
34) Caprolactam	11.861	113	8568m	17.259	ng/ul	
35) 4-Chloro-3-methylphenol	12.231	107	32521	21.020	ng/ul	92

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064890.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020457

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.618	142	76050	21.412 ng/ul	98
37) 1-Methylnaphthalene	12.836	142	72084	20.735 ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.977	216	65283	22.908 ng/ul	98
40) Hexachlorocyclopentadiene	12.965	237	42553	21.553 ng/ul	93
41) 2,4,6-Trichlorophenol	13.212	196	34920	22.166 ng/ul	86
42) 2,4,5-Trichlorophenol	13.282	196	37305	22.474 ng/ul	95
43) 1,1'-Biphenyl	13.611	154	106807	20.453 ng/ul#	96
44) 2-Chloronaphthalene	13.653	162	83642	20.403 ng/ul	99
45) 2-Nitroaniline	13.841	65	24214	19.868 ng/ul	93
47) Dimethylphthalate	14.211	163	120130	20.175 ng/ul	97
48) 2,6-Dinitrotoluene	14.328	165	23670	21.664 ng/ul	95
50) Acenaphthylene	14.493	152	142706	19.962 ng/ul	98
51) 3-Nitroaniline	14.657	138	21041	22.204 ng/ul	95
52) Acenaphthene	14.833	153	94205	20.096 ng/ul	98
53) 2,4-Dinitrophenol	14.863	184	12036	18.733 ng/ul	90
55) 4-Nitrophenol	14.957	109	17532m	21.440 ng/ul	
56) Dibenzofuran	15.163	168	148325	20.730 ng/ul	97
57) 2,4-Dinitrotoluene	15.110	165	35835	21.558 ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.386	232	43063	22.910 ng/ul#	90
59) Diethylphthalate	15.562	149	117542	20.100 ng/ul	100
61) Fluorene	15.809	166	116061	20.679 ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.797	204	75172	21.963 ng/ul	99
63) 4-Nitroaniline	15.809	138	20767	21.284 ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.868	198	24254	20.115 ng/ul#	99
67) N-Nitrosodiphenylamine	16.003	169	104305	20.028 ng/ul	99
68) 4-Bromophenyl-phenylether	16.684	248	59023	22.846 ng/ul	94
69) Hexachlorobenzene	16.808	284	71906	22.942 ng/ul	98
70) Atrazine	16.937	200	52806	21.193 ng/ul	97
71) Pentachlorophenol	17.148	266	32411m	18.623 ng/ul	
72) Phenanthrene	17.542	178	214336	19.781 ng/ul	99
74) Anthracene	17.630	178	218132	20.069 ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.576	216	65887	22.615 ng/ul	96
76) Pentachlorobenzene	15.086	250	74635	22.550 ng/ul	94
77) Carbazole	17.895	167	170143	19.196 ng/ul	99
78) Di-n-butylphthalate	18.441	149	193411	18.865 ng/ul#	98
80) Fluoranthene	19.534	202	282320	20.498 ng/ul#	92
82) Pyrene	19.892	202	292546	20.349 ng/ul#	93
83) Butylbenzylphthalate	20.762	149	85220	17.950 ng/ul	94
84) 3,3'-Dichlorobenzidine	21.637	252	117831	23.115 ng/ul#	98
85) Benzo(a)anthracene	21.725	228	332844	20.740 ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.626	149	123719	17.620 ng/ul	96
87) Chrysene	21.790	228	313870	20.206 ng/ul	98
89) Di-n-octyl phthalate	22.848	149	213714	17.650 ng/ul	100
90) Benzo(b)fluoranthene	23.964	252	328657	20.089 ng/ul#	97
91) Benzo(k)fluoranthene	24.034	252	347766	20.775 ng/ul#	95
93) Benzo(a)pyrene	24.851	252	314218	20.195 ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.723	276	417562	20.889 ng/ul#	96
95) Dibenzo(a,h)anthracene	28.782	278	337711	20.942 ng/ul#	96
96) Benzo(g,h,i)perylene	29.875	276	334390	20.725 ng/ul#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

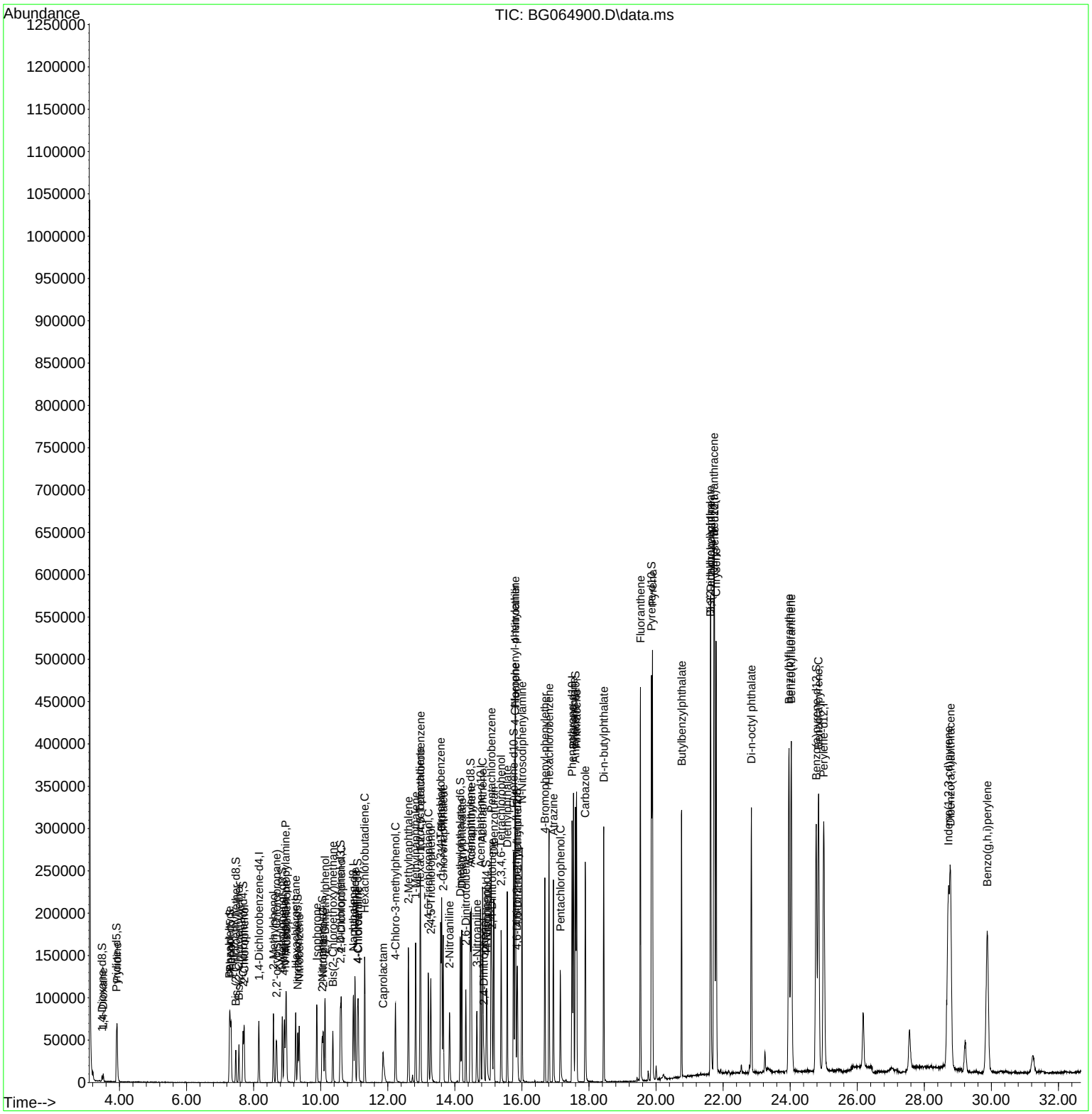
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064900.D
Acq On : 26 Nov 2025 22:31
Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 01 11:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020458

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064900.D
Acq On : 26 Nov 2025 22:31
Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020458

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	22397	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	88986	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	80705	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	212606	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	287228	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	363444	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	3447	6.100	ng/uL	0.00
4) Pyridine-d5	3.907	84	21971	14.112	ng/ul	0.00
7) Phenol-d5	7.297	99	32073	17.764	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	17575	15.220	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	27773	20.291	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	28809	18.513	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	14689	21.886	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	17574	22.045	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	36728	22.346	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	39284	18.699	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	129156	20.345	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	141136	20.759	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	18240m	18.952	ng/ul	0.00
60) Fluorene-d10	15.752	176	118193	20.739	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	27363	20.102	ng/ul	0.00
73) Anthracene-d10	17.597	188	220090	20.487	ng/ul	0.00
81) Pyrene-d10	19.865	212	294898	19.988	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	388464	20.259	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.513	88	3569	5.460	ng/uL	90
5) Pyridine	3.930	79	25428	14.916	ng/ul#	90
6) Benzaldehyde	7.279	77	20798	23.453	ng/ul	95
8) Phenol	7.326	94	33882	17.977	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.561	93	23463	16.833	ng/ul	93
12) 2-Chlorophenol	7.720	128	28175	19.436	ng/ul	93
13) 2-Methylphenol	8.590	108	26877	18.014	ng/ul	91
14) 2,2'-oxybis(1-Chloropr...	8.684	45	49871	17.042	ng/ul	97
16) Acetophenone	8.977	105	46313	18.094	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.954	70	21113	17.195	ng/ul	94
18) 4-Methylphenol	8.919	108	30794	18.812	ng/ul	89
19) Hexachloroethane	9.253	117	12822	19.819	ng/ul	94
22) Nitrobenzene	9.359	77	33649	19.519	ng/ul	97
23) Isophorone	9.882	82	62760	18.584	ng/ul#	95
25) 2-Nitrophenol	10.076	139	17381	20.739	ng/ul#	86
26) 2,4-Dimethylphenol	10.129	107	38748	21.464	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.364	93	33811	17.852	ng/ul	91
29) 2,4-Dichlorophenol	10.611	162	34394	22.437	ng/ul	97
30) Naphthalene	11.022	128	103931	20.323	ng/ul	98
32) 4-Chloroaniline	11.122	127	41465	19.392	ng/ul	94
33) Hexachlorobutadiene	11.310	225	40548	25.218	ng/ul	99
34) Caprolactam	11.862	113	9663m	18.040	ng/ul	
35) 4-Chloro-3-methylphenol	12.226	107	36445	21.832	ng/ul	92
36) 2-Methylnaphthalene	12.614	142	80906	21.112	ng/ul	95

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064900.D
Acq On : 26 Nov 2025 22:31
Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020458

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.832	142	80136	21.364	ng/ul	100
39)	1,2,4,5-Tetrachloroben...	12.979	216	70033	22.586	ng/ul	99
40)	Hexachlorocyclopentadiene	12.961	237	44849	20.878	ng/ul	92
41)	2,4,6-Trichlorophenol	13.208	196	39665	23.141	ng/ul	96
42)	2,4,5-Trichlorophenol	13.284	196	40887	22.639	ng/ul	94
43)	1,1'-Biphenyl	13.607	154	117129	20.615	ng/ul#	96
44)	2-Chloronaphthalene	13.654	162	90140	20.209	ng/ul	97
45)	2-Nitroaniline	13.842	65	26098	19.682	ng/ul	96
47)	Dimethylphthalate	14.212	163	131630	20.318	ng/ul	100
48)	2,6-Dinitrotoluene	14.330	165	25405	21.371	ng/ul	90
50)	Acenaphthylene	14.494	152	156368	20.103	ng/ul	99
51)	3-Nitroaniline	14.659	138	23088	22.393	ng/ul	95
52)	Acenaphthene	14.829	153	105827	20.749	ng/ul	95
53)	2,4-Dinitrophenol	14.865	184	11634	16.642	ng/ul	97
55)	4-Nitrophenol	14.953	109	20462	22.999	ng/ul	85
56)	Dibenzofuran	15.164	168	162446	20.867	ng/ul	99
57)	2,4-Dinitrotoluene	15.111	165	41148	22.752	ng/ul	99
58)	2,3,4,6-Tetrachlorophenol	15.382	232	48762	23.843	ng/ul#	96
59)	Diethylphthalate	15.564	149	129187	20.304	ng/ul	99
61)	Fluorene	15.810	166	126089	20.648	ng/ul	94
62)	4-Chlorophenyl-phenyle...	15.793	204	84614	22.722	ng/ul	99
63)	4-Nitroaniline	15.805	138	23546	22.180	ng/ul	87
66)	4,6-Dinitro-2-methylph...	15.869	198	25779	19.487	ng/ul#	99
67)	N-Nitrosodiphenylamine	16.004	169	114797	20.091	ng/ul	98
68)	4-Bromophenyl-phenylether	16.686	248	64318	22.692	ng/ul	98
69)	Hexachlorobenzene	16.809	284	77856	22.642	ng/ul	95
70)	Atrazine	16.939	200	58720	21.480	ng/ul	97
71)	Pentachlorophenol	17.150	266	35928	18.816	ng/ul	98
72)	Phenanthrene	17.538	178	237755	19.999	ng/ul	99
74)	Anthracene	17.632	178	245794	20.612	ng/ul	98
75)	1,2,3,4-Tetrachloroben...	13.578	216	70800	22.150	ng/ul	99
76)	Pentachlorobenzene	15.088	250	83005	22.858	ng/ul	97
77)	Carbazole	17.890	167	195207	20.074	ng/ul	98
78)	Di-n-butylphthalate	18.443	149	224062	19.920	ng/ul#	98
80)	Fluoranthene	19.536	202	324965	19.664	ng/ul#	93
82)	Pyrene	19.894	202	342895	19.878	ng/ul#	93
83)	Butylbenzylphthalate	20.763	149	102392	17.974	ng/ul	98
84)	3,3'-Dichlorobenzidine	21.633	252	141198	23.084	ng/ul	100
85)	Benzo(a)anthracene	21.727	228	404960	21.030	ng/ul	98
86)	Bis(2-ethylhexyl)phtha...	21.621	149	152658	18.120	ng/ul	99
87)	Chrysene	21.792	228	374369	20.086	ng/ul	100
89)	Di-n-octyl phthalate	22.843	149	277161	16.735	ng/ul	100
90)	Benzo(b)fluoranthene	23.966	252	435957	19.482	ng/ul#	97
91)	Benzo(k)fluoranthene	24.030	252	453641	19.812	ng/ul#	96
93)	Benzo(a)pyrene	24.847	252	431522	20.276	ng/ul#	99
94)	Indeno(1,2,3-cd)pyrene	28.719	276	545527	19.952	ng/ul#	97
95)	Dibenzo(a,h)anthracene	28.784	278	439475	19.924	ng/ul#	98
96)	Benzo(g,h,i)perylene	29.876	276	405652	18.380	ng/ul#	94

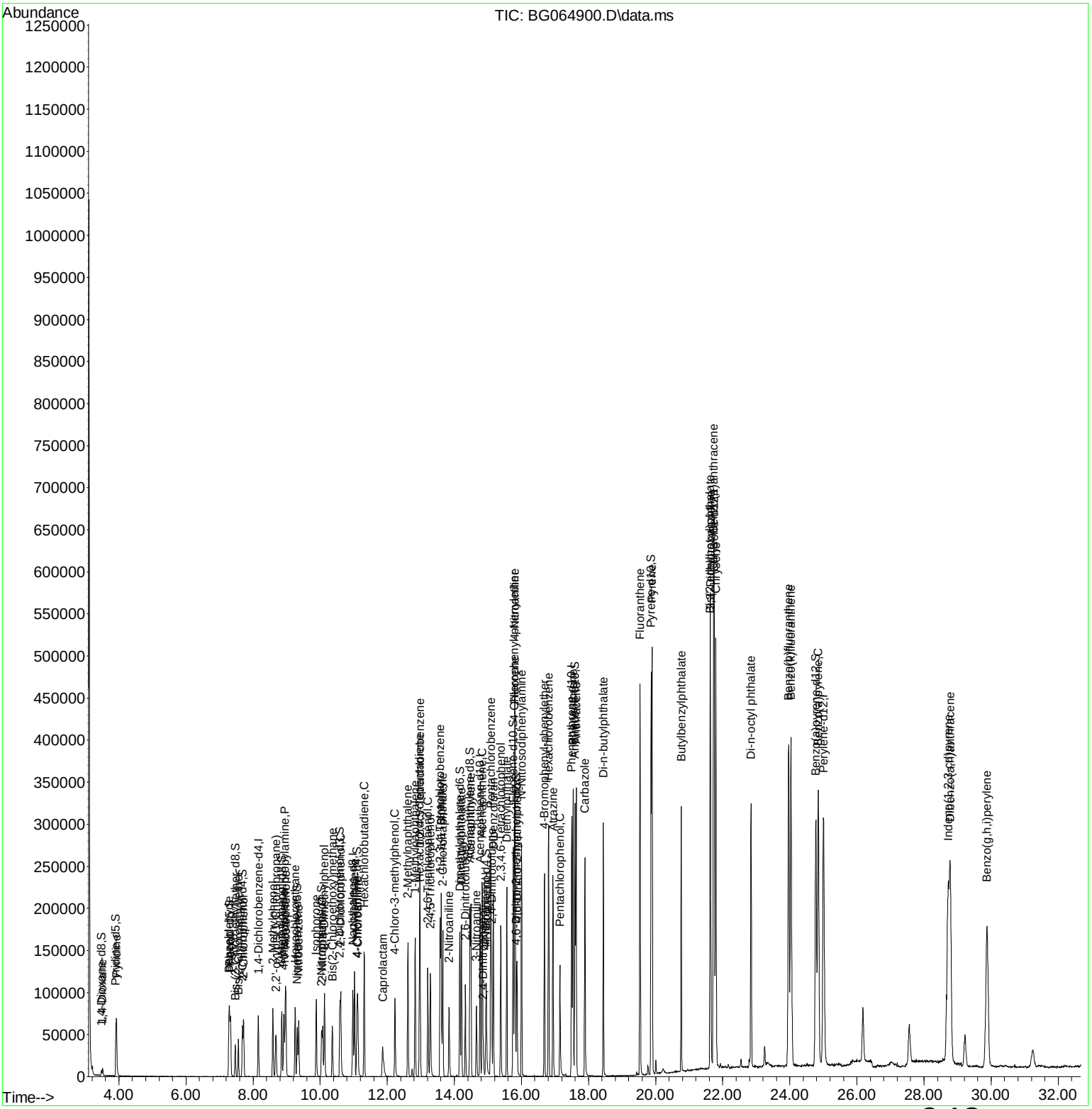
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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064900.D
Acq On : 26 Nov 2025 22:31
Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 01 11:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020458

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



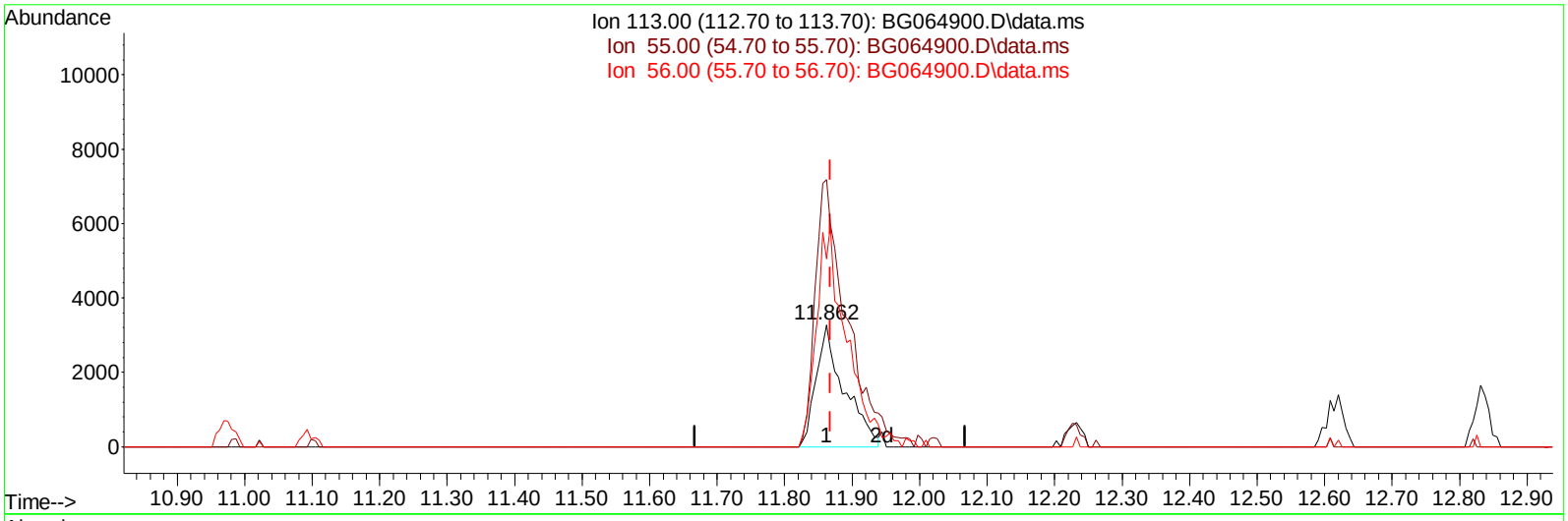
Quantitation Report (Qedit)

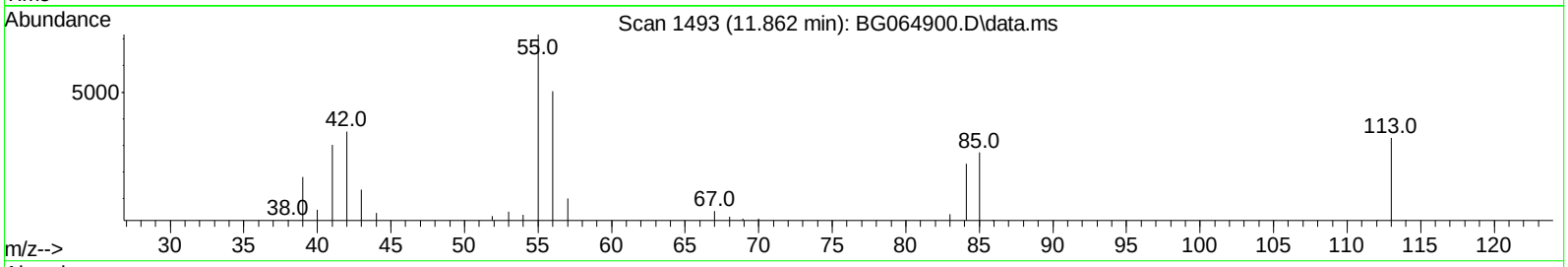
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Operator : RC/JU
Sample : SSTDCCC020EC
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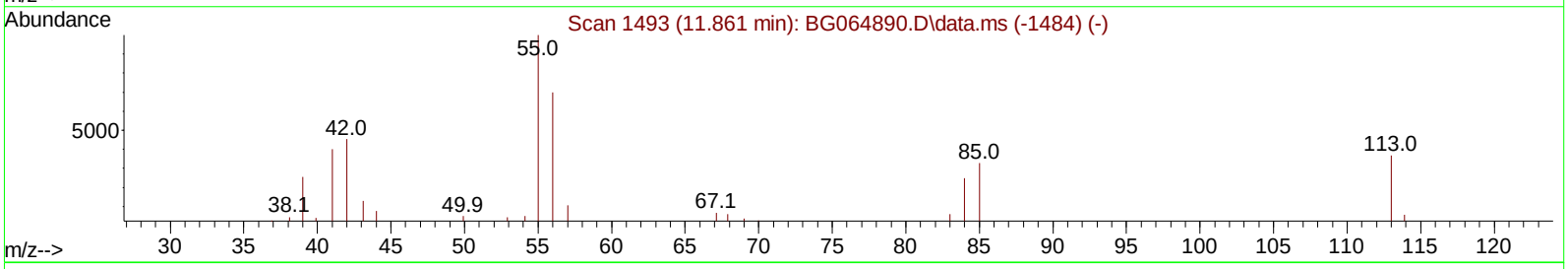
Quant Time: Dec 01 11:51:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020458

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064900.D\data.ms

(34) Caprolactam

11.862min (-0.006) 17.78 ng/ul

response 9522

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	218.65
56.00	159.40	153.83
0.00	0.00	0.00

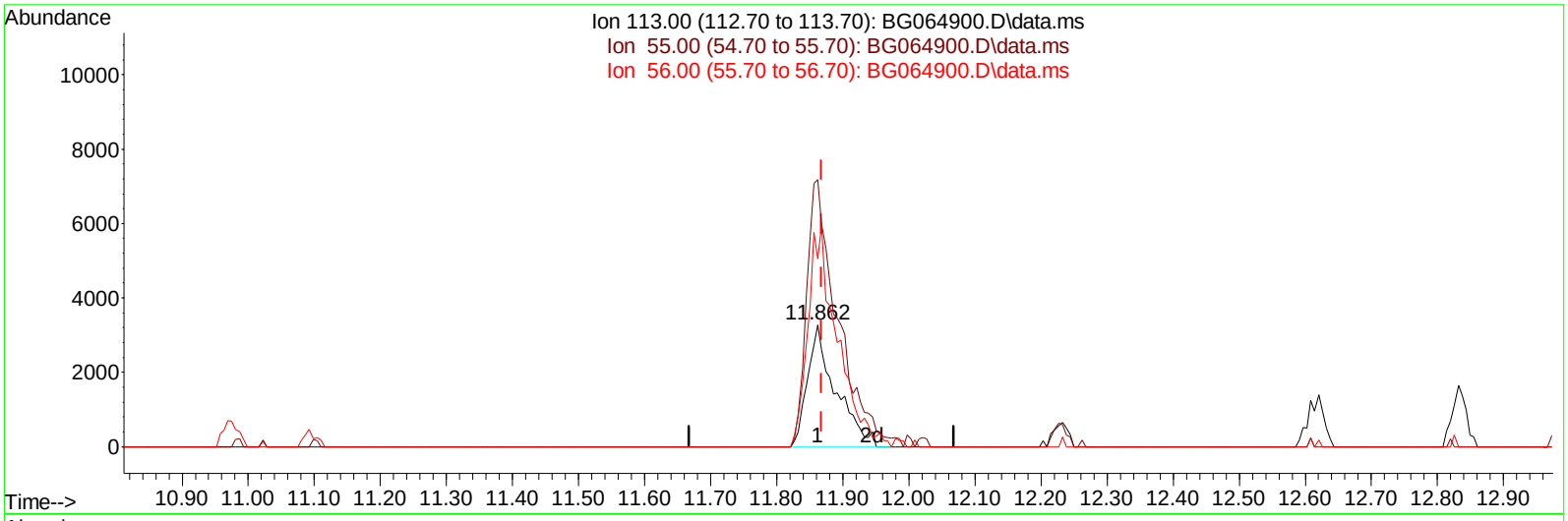
Quantitation Report (Qedit)

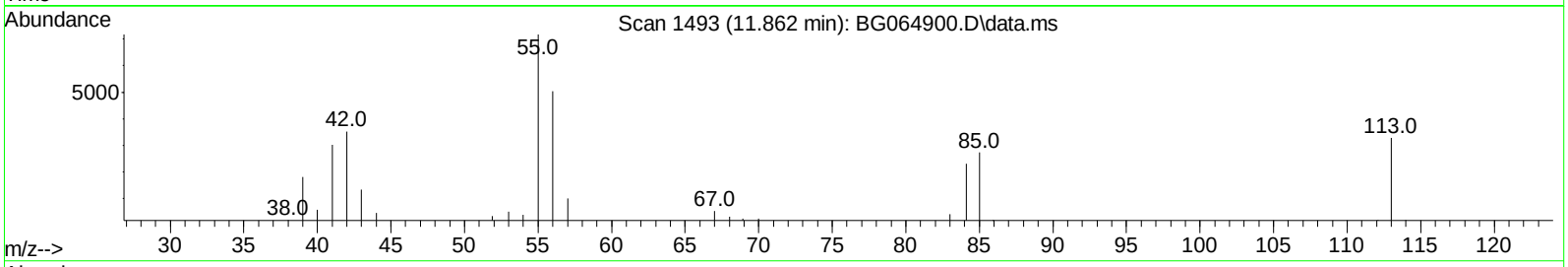
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Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 33 Sample Multiplier: 1

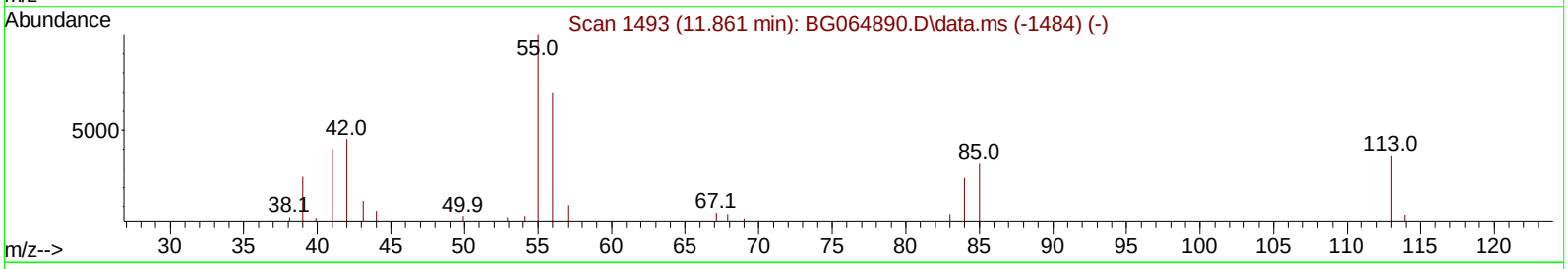
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QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020458

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064900.D\data.ms

(34) Caprolactam

11.862min (-0.006) 18.04 ng/ul m

response 9663

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	218.65
56.00	159.40	153.83
0.00	0.00	0.00

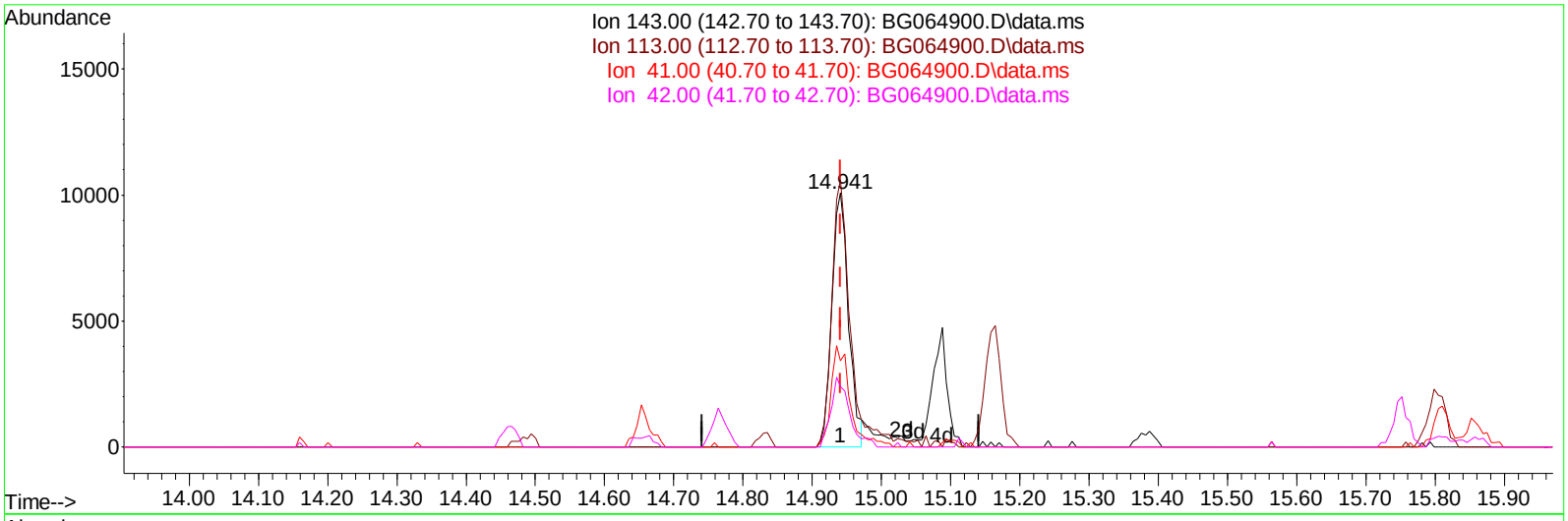
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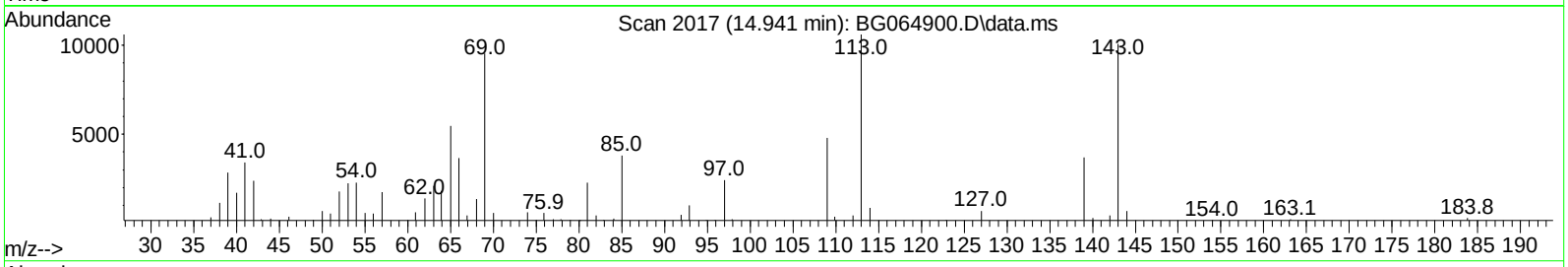
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Operator : RC/JU
Sample : SSTDCCC020EC
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ALS Vial : 33 Sample Multiplier: 1

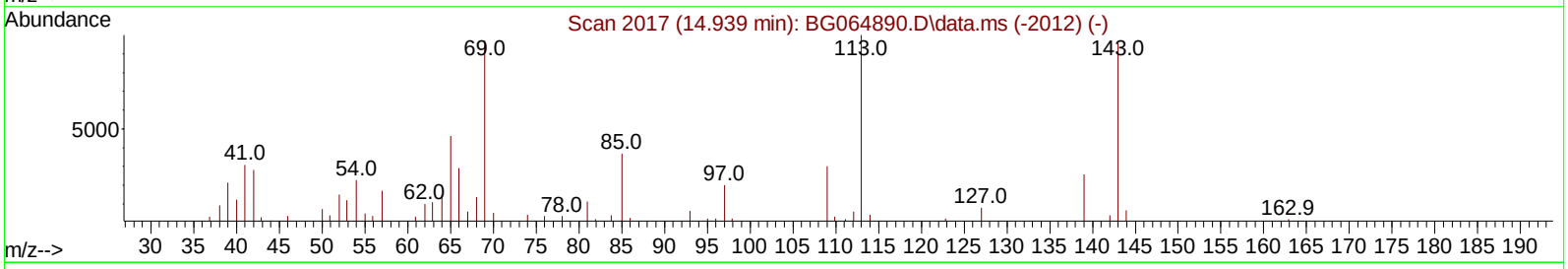
Quant Time: Dec 01 11:51:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
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Instrument :
BNA_G
ClientSampleId :
SSTD020458

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064900.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 17.40 ng/ul

response 16748

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	105.21
41.00	40.40	33.85
42.00	23.60	23.66

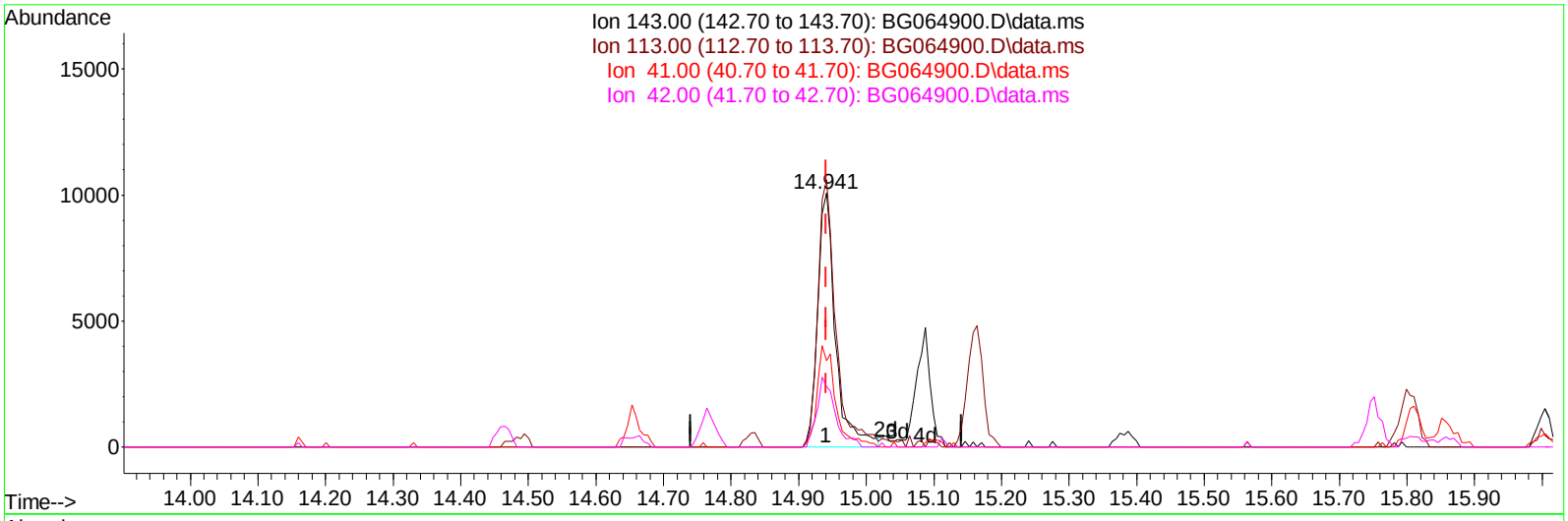
Quantitation Report (Qedit)

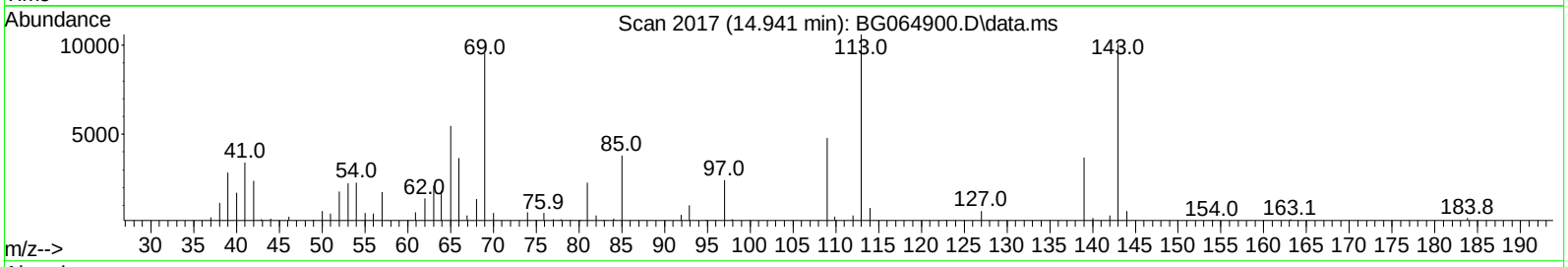
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Acq On : 26 Nov 2025 22:31
Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 33 Sample Multiplier: 1

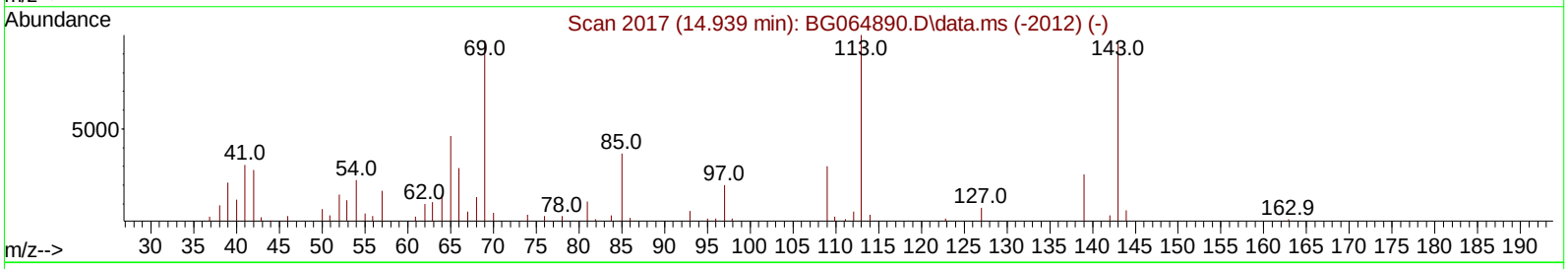
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ClientSampleId :
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Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064900.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 18.95 ng/ul m

response 18240

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	105.21
41.00	40.40	33.85
42.00	23.60	23.66

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
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Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	22397	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	88986	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	80705	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	212606	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	287228	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	363444	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	3447	6.100	ng/uL	0.00
4) Pyridine-d5	3.907	84	21971	14.112	ng/ul	0.00
7) Phenol-d5	7.297	99	32073	17.764	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	17575	15.220	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	27773	20.291	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	28809	18.513	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	14689	21.886	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	17574	22.045	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	36728	22.346	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	39284	18.699	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	129156	20.345	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	141136	20.759	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	18240m	18.952	ng/ul	0.00
60) Fluorene-d10	15.752	176	118193	20.739	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	27363	20.102	ng/ul	0.00
73) Anthracene-d10	17.597	188	220090	20.487	ng/ul	0.00
81) Pyrene-d10	19.865	212	294898	19.988	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	388464	20.259	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.513	88	3569	5.460	ng/uL	90
5) Pyridine	3.930	79	25428	14.916	ng/ul#	90
6) Benzaldehyde	7.279	77	20798	23.453	ng/ul	95
8) Phenol	7.326	94	33882	17.977	ng/ul	94
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12) 2-Chlorophenol	7.720	128	28175	19.436	ng/ul	93
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14) 2,2'-oxybis(1-Chloropr...	8.684	45	49871	17.042	ng/ul	97
16) Acetophenone	8.977	105	46313	18.094	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.954	70	21113	17.195	ng/ul	94
18) 4-Methylphenol	8.919	108	30794	18.812	ng/ul	89
19) Hexachloroethane	9.253	117	12822	19.819	ng/ul	94
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26) 2,4-Dimethylphenol	10.129	107	38748	21.464	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.364	93	33811	17.852	ng/ul	91
29) 2,4-Dichlorophenol	10.611	162	34394	22.437	ng/ul	97
30) Naphthalene	11.022	128	103931	20.323	ng/ul	98
32) 4-Chloroaniline	11.122	127	41465	19.392	ng/ul	94
33) Hexachlorobutadiene	11.310	225	40548	25.218	ng/ul	99
34) Caprolactam	11.862	113	9663m	18.040	ng/ul	
35) 4-Chloro-3-methylphenol	12.226	107	36445	21.832	ng/ul	92

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Misc :
ALS Vial : 33 Sample Multiplier: 1

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12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.614	142	80906	21.112 ng/ul	95
37) 1-Methylnaphthalene	12.832	142	80136	21.364 ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.979	216	70033	22.586 ng/ul	99
40) Hexachlorocyclopentadiene	12.961	237	44849	20.878 ng/ul	92
41) 2,4,6-Trichlorophenol	13.208	196	39665	23.141 ng/ul	96
42) 2,4,5-Trichlorophenol	13.284	196	40887	22.639 ng/ul	94
43) 1,1'-Biphenyl	13.607	154	117129	20.615 ng/ul#	96
44) 2-Chloronaphthalene	13.654	162	90140	20.209 ng/ul	97
45) 2-Nitroaniline	13.842	65	26098	19.682 ng/ul	96
47) Dimethylphthalate	14.212	163	131630	20.318 ng/ul	100
48) 2,6-Dinitrotoluene	14.330	165	25405	21.371 ng/ul	90
50) Acenaphthylene	14.494	152	156368	20.103 ng/ul	99
51) 3-Nitroaniline	14.659	138	23088	22.393 ng/ul	95
52) Acenaphthene	14.829	153	105827	20.749 ng/ul	95
53) 2,4-Dinitrophenol	14.865	184	11634	16.642 ng/ul	97
55) 4-Nitrophenol	14.953	109	20462	22.999 ng/ul	85
56) Dibenzofuran	15.164	168	162446	20.867 ng/ul	99
57) 2,4-Dinitrotoluene	15.111	165	41148	22.752 ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.382	232	48762	23.843 ng/ul#	96
59) Diethylphthalate	15.564	149	129187	20.304 ng/ul	99
61) Fluorene	15.810	166	126089	20.648 ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.793	204	84614	22.722 ng/ul	99
63) 4-Nitroaniline	15.805	138	23546	22.180 ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.869	198	25779	19.487 ng/ul#	99
67) N-Nitrosodiphenylamine	16.004	169	114797	20.091 ng/ul	98
68) 4-Bromophenyl-phenylether	16.686	248	64318	22.692 ng/ul	98
69) Hexachlorobenzene	16.809	284	77856	22.642 ng/ul	95
70) Atrazine	16.939	200	58720	21.480 ng/ul	97
71) Pentachlorophenol	17.150	266	35928	18.816 ng/ul	98
72) Phenanthrene	17.538	178	237755	19.999 ng/ul	99
74) Anthracene	17.632	178	245794	20.612 ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.578	216	70800	22.150 ng/ul	99
76) Pentachlorobenzene	15.088	250	83005	22.858 ng/ul	97
77) Carbazole	17.890	167	195207	20.074 ng/ul	98
78) Di-n-butylphthalate	18.443	149	224062	19.920 ng/ul#	98
80) Fluoranthene	19.536	202	324965	19.664 ng/ul#	93
82) Pyrene	19.894	202	342895	19.878 ng/ul#	93
83) Butylbenzylphthalate	20.763	149	102392	17.974 ng/ul	98
84) 3,3'-Dichlorobenzidine	21.633	252	141198	23.084 ng/ul	100
85) Benzo(a)anthracene	21.727	228	404960	21.030 ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.621	149	152658	18.120 ng/ul	99
87) Chrysene	21.792	228	374369	20.086 ng/ul	100
89) Di-n-octyl phthalate	22.843	149	277161	16.735 ng/ul	100
90) Benzo(b)fluoranthene	23.966	252	435957	19.482 ng/ul#	97
91) Benzo(k)fluoranthene	24.030	252	453641	19.812 ng/ul#	96
93) Benzo(a)pyrene	24.847	252	431522	20.276 ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	28.719	276	545527	19.952 ng/ul#	97
95) Dibenzo(a,h)anthracene	28.784	278	439475	19.924 ng/ul#	98
96) Benzo(g,h,i)perylene	29.876	276	405652	18.380 ng/ul#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

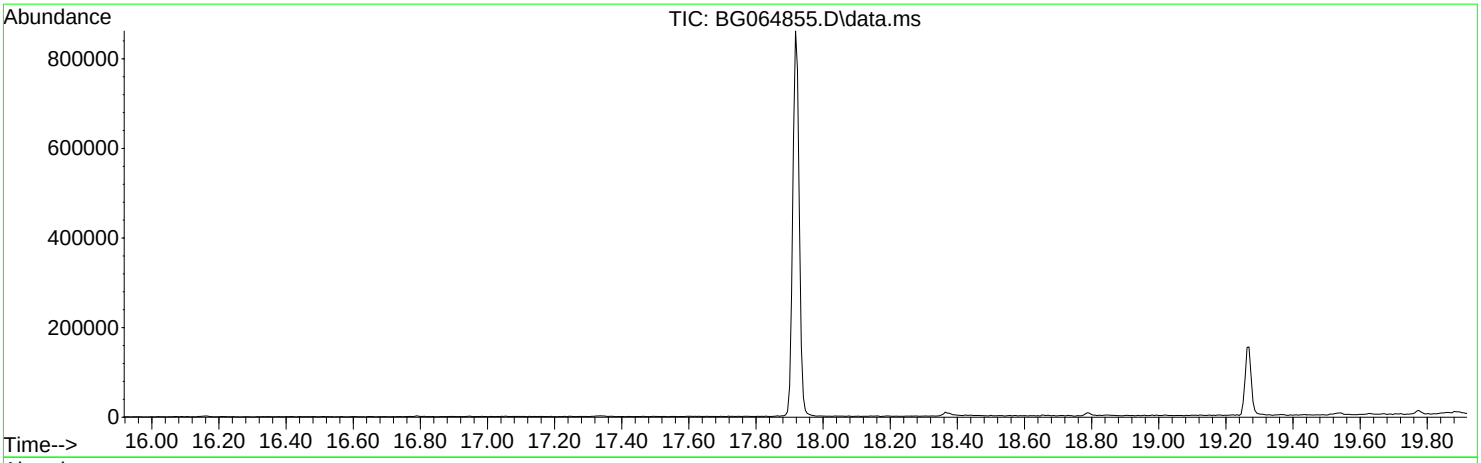
DFTPP

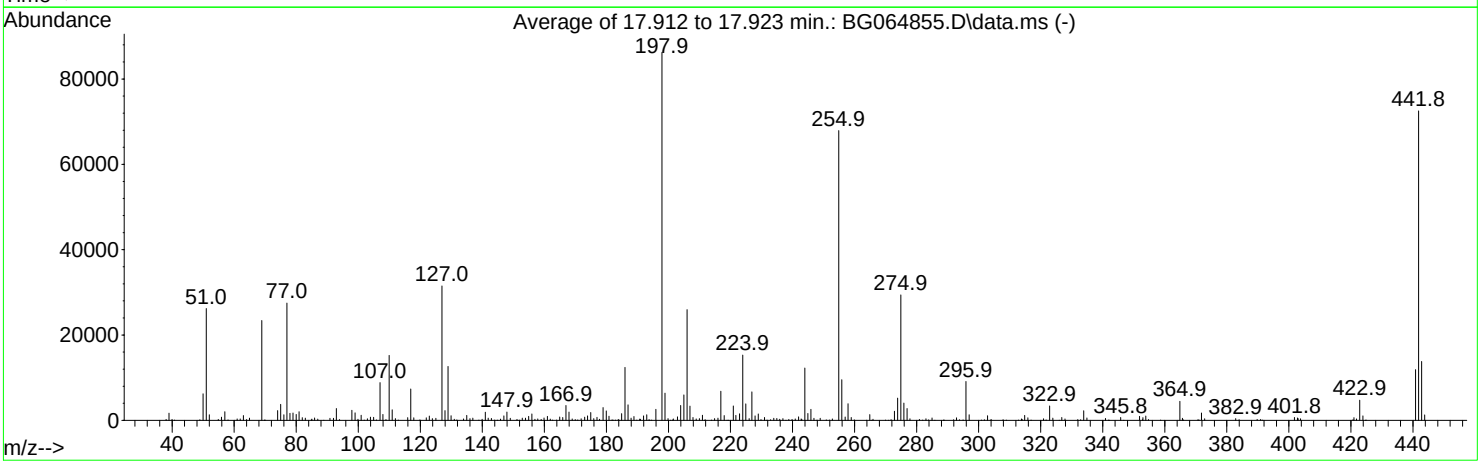
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064855.D
Acq On : 25 Nov 2025 10:29
Operator : RC/JU
Sample : DFTPP461
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP461

Integration File: LSCINT.P

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION
Last Update : Tue Nov 25 10:23:09 2025





AutoFind: Scans 2523, 2524, 2525; Background Corrected with Scan 2517

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.4	26200	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	27.1	23403	PASS
70	69	0.00	2	0.3	78	PASS
127	198	10	80	36.5	31509	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	86211	PASS
199	198	5	9	7.4	6388	PASS
275	198	10	60	34.1	29384	PASS
365	198	1	100	5.2	4476	PASS
441	198	0.01	100	13.8	11888	PASS
442	198	50	100	84.1	72531	PASS
443	442	15	24	19.0	13808	PASS

Scan 2517 (17.876 min): BG064855.D\data.ms
DFTPP461

m/z	Abundance
43.00	247.0
43.90	1403.0
73.10	361.0
96.00	163.0
167.00	386.0
207.00	507.0
207.90	167.0

Instrument :
BNA_G
ClientSampleId :
DFTPP461

Scan 2523 (17.912 min): BG064855.D\data.ms
DFTPP461

Instrument :
BNA_G
ClientSampleId :
DFTPP461

m/z	Abundance
38.00	232.0
39.00	1459.0
39.90	259.0
42.90	188.0
44.00	985.0
49.00	254.0
50.00	6032.0
51.00	24696.0
52.00	1392.0
54.90	245.0
55.80	708.0
57.00	1946.0
58.10	164.0
60.90	315.0
61.90	353.0
63.00	1021.0
64.00	199.0
65.00	311.0
68.90	21320.0
69.80	226.0
72.90	237.0
74.00	2067.0
75.00	3794.0
76.00	971.0
77.00	24552.0
78.00	1722.0
78.90	1767.0
80.00	1228.0
81.00	1958.0
82.00	678.0
83.00	494.0
84.90	469.0
85.90	504.0
86.90	239.0
90.90	484.0
92.00	332.0
93.00	2464.0
97.90	2437.0
99.00	2020.0
99.90	256.0
100.90	1156.0
103.00	344.0
104.00	592.0
105.00	808.0
107.00	8058.0
107.90	1441.0
109.00	382.0
109.90	13682.0
111.00	2586.0
111.90	386.0
115.90	454.0
116.90	6650.0
117.90	654.0
119.90	210.0
122.00	494.0
122.90	1255.0
123.90	448.0
125.00	270.0
127.00	28792.0
127.90	2116.0
129.00	11449.0
129.90	824.0
131.00	311.0
134.00	203.0
135.00	1153.0
136.00	350.0
137.00	680.0
139.90	209.0
140.90	2026.0
141.90	331.0
143.00	449.0
144.80	172.0
145.80	300.0
146.90	1052.0
147.90	1919.0
149.00	434.0
151.20	207.0
152.90	545.0
153.90	442.0
155.00	905.0
156.00	1075.0
157.00	249.0
158.00	364.0
158.90	188.0
159.90	545.0
161.00	885.0
161.90	239.0
163.90	180.0
164.90	769.0
165.90	363.0
167.00	3535.0
168.00	1645.0

169.00	286.0
171.90	321.0
173.00	830.0
173.90	797.0
175.00	1478.0
176.00	316.0
176.90	426.0
177.70	234.0
178.90	2556.0
179.90	1682.0
180.90	851.0
182.10	231.0
184.10	253.0
184.90	1543.0
186.00	11055.0
186.90	3580.0
188.00	520.0
188.90	724.0
190.80	472.0
191.90	852.0
193.00	1206.0
193.70	184.0
196.00	2472.0
197.90	74600.0
198.90	5069.0
199.80	296.0
201.30	179.0
202.90	832.0
203.90	2955.0
204.90	5225.0
206.00	22416.0
206.90	3754.0
207.90	704.0
208.90	327.0
209.90	366.0
210.90	870.0
212.00	217.0
214.90	360.0
216.90	5430.0
218.00	877.0
220.90	2750.0
221.80	890.0
222.90	1260.0
223.90	11521.0
225.00	3119.0
226.00	302.0
226.90	5473.0
228.00	898.0
228.90	1336.0
229.80	150.0
230.90	699.0
233.00	203.0
234.00	420.0
235.00	564.0
235.80	252.0
236.90	328.0
238.80	223.0
239.90	191.0
240.80	306.0
241.90	567.0
243.90	9327.0
245.00	996.0
245.90	1898.0
246.90	380.0
248.90	439.0
250.90	151.0
251.90	211.0
252.90	350.0
254.90	53456.0
255.90	7593.0
257.00	689.0
257.90	3160.0
258.90	691.0
264.90	1052.0
265.60	176.0
266.00	179.0
271.70	172.0
272.90	1553.0
273.90	3981.0
274.90	23336.0
275.90	3464.0
276.90	2234.0
277.90	330.0
280.90	188.0
283.00	232.0
285.00	390.0
288.70	223.0
292.90	433.0
293.90	229.0
295.90	7490.0
296.90	1112.0
302.80	936.0
304.10	263.0
313.80	580.0
314.80	700.0
315.90	385.0

Instrument :
BNA_G
ClientSampleId :
DFTPP461

321.00	319.0
322.90	2380.0
324.00	470.0
326.80	507.0
327.90	343.0
333.80	1353.0
334.90	384.0
340.90	352.0
345.90	413.0
351.90	753.0
352.80	461.0
353.00	476.0
353.80	764.0
354.80	215.0
364.80	3428.0
366.00	392.0
370.80	163.0
371.80	1467.0
372.80	372.0
382.90	201.0
383.90	160.0
389.80	251.0
401.80	424.0
402.80	752.0
403.70	275.0
420.70	496.0
421.80	314.0
422.90	2833.0
423.80	694.0
440.90	6991.0
441.80	45736.0
442.80	8817.0
443.80	883.0

Instrument :
BNA_G
ClientSampleId :
DFTPP461

Scan 2524 (17.918 min): BG064855.D\data.ms
DFTPP461

Instrument :
BNA_G
ClientSampleId :
DFTPP461

m/z	Abundance
38.10	289.0
39.00	2034.0
39.90	273.0
40.80	185.0
44.00	1168.0
48.90	167.0
50.00	7208.0
51.00	30408.0
52.00	1282.0
54.90	178.0
55.90	1044.0
57.00	2370.0
57.90	184.0
61.00	398.0
62.00	416.0
63.00	1515.0
64.00	174.0
64.90	770.0
68.90	28128.0
73.00	269.0
74.00	2779.0
75.00	4214.0
76.00	1569.0
77.00	30016.0
78.00	1696.0
79.00	1923.0
80.00	1511.0
80.90	1977.0
81.80	564.0
82.90	606.0
85.10	537.0
86.00	708.0
86.90	277.0
88.90	153.0
91.00	644.0
92.00	587.0
92.90	3046.0
93.90	366.0
96.10	377.0
98.00	2591.0
99.00	1807.0
99.90	407.0
101.00	1398.0
101.90	193.0
103.00	421.0
103.90	887.0
104.90	670.0
105.90	292.0
107.00	10025.0
108.00	1351.0
110.00	17648.0
111.00	2749.0
112.00	604.0
112.90	249.0
115.90	768.0
116.90	8486.0
117.90	839.0
121.90	750.0
122.90	1020.0
123.90	514.0
125.00	503.0
127.00	36840.0
128.00	2642.0
129.00	14442.0
129.90	1155.0
131.00	296.0
131.90	202.0
133.90	515.0
135.00	1350.0
136.00	443.0
136.90	549.0
140.00	305.0
141.00	2062.0
141.90	699.0
142.90	633.0
144.00	193.0
145.90	267.0
146.90	1134.0
147.90	1830.0
149.00	482.0
151.10	192.0
151.90	151.0
152.90	492.0
153.90	501.0
154.90	999.0
156.00	2026.0
157.00	308.0
157.90	314.0
158.90	291.0
159.90	635.0
161.00	1051.0
162.00	284.0

165.00	686.0
166.00	841.0
166.90	4617.0
168.00	2297.0
168.90	378.0
170.00	370.0
170.80	306.0
171.90	362.0
173.00	646.0
173.90	1203.0
174.90	2209.0
175.90	511.0
176.90	938.0
177.80	345.0
178.90	3010.0
179.90	2696.0
180.90	1207.0
181.80	211.0
183.80	408.0
184.90	1606.0
186.00	14078.0
187.00	3804.0
187.90	494.0
188.90	1132.0
190.70	388.0
191.00	339.0
191.90	1288.0
193.00	1638.0
194.00	220.0
194.60	207.0
196.00	2939.0
197.90	97576.0
198.90	7972.0
199.90	633.0
201.50	625.0
202.90	827.0
204.00	3971.0
205.00	6406.0
206.00	30200.0
207.00	4310.0
207.90	1119.0
208.90	414.0
210.00	446.0
210.90	1440.0
211.90	186.0
214.90	424.0
215.90	899.0
216.90	8102.0
218.00	1082.0
218.90	157.0
219.40	176.0
220.90	3769.0
221.70	1450.0
222.90	1715.0
224.00	18304.0
224.90	4454.0
226.00	467.0
226.90	7960.0
227.90	1335.0
229.00	1679.0
229.90	162.0
231.00	727.0
231.70	175.0
231.90	174.0
233.90	486.0
234.90	479.0
235.90	357.0
236.90	403.0
237.90	171.0
238.80	290.0
239.80	262.0
240.90	393.0
242.00	947.0
242.80	1036.0
243.90	13637.0
244.90	2037.0
245.90	3139.0
246.90	543.0
248.90	478.0
252.90	379.0
254.90	78512.0
255.90	11328.0
256.80	932.0
257.90	4568.0
258.90	691.0
259.90	311.0
264.90	1643.0
266.00	239.0
271.00	177.0
271.90	239.0
272.90	2421.0
273.90	5847.0
274.90	33080.0
275.90	4828.0
276.90	3205.0
277.80	371.0

Instrument :
BNA_G
ClientSampleId :
DFTPP461

280.80	170.0
281.00	166.0
282.00	217.0
283.00	422.0
283.90	173.0
284.90	521.0
288.90	206.0
292.00	188.0
292.90	644.0
295.00	363.0
295.90	10238.0
297.00	1384.0
300.90	225.0
301.90	177.0
302.80	1133.0
304.00	277.0
307.80	365.0
308.90	179.0
314.00	691.0
314.90	1456.0
315.90	790.0
316.90	179.0
321.00	328.0
321.80	151.0
322.90	3975.0
323.90	597.0
326.00	166.0
326.80	717.0
327.80	457.0
332.00	270.0
332.90	246.0
333.90	2666.0
334.90	924.0
340.90	442.0
341.90	181.0
345.80	687.0
351.80	876.0
352.90	693.0
353.90	1046.0
354.70	178.0
358.70	268.0
364.80	4883.0
365.70	616.0
371.00	351.0
371.80	1807.0
372.80	280.0
382.80	560.0
383.90	169.0
389.80	258.0
390.90	222.0
401.80	841.0
403.00	1229.0
403.70	569.0
421.00	865.0
421.80	757.0
422.80	5317.0
423.90	1140.0
424.70	174.0
440.80	13958.0
441.80	82272.0
442.80	15718.0
443.80	1403.0

Instrument :
BNA_G
ClientSampleId :
DFTPP461

Scan 2525 (17.923 min): BG064855.D\data.ms
DFTPP461

Instrument :
BNA_G
ClientSampleId :
DFTPP461

m/z	Abundance
38.00	186.0
39.00	1553.0
40.00	203.0
44.00	936.0
50.00	5393.0
51.00	23496.0
52.00	1245.0
54.90	264.0
56.00	542.0
57.00	1807.0
61.00	342.0
61.90	299.0
63.00	886.0
64.00	161.0
64.90	531.0
68.90	20760.0
70.00	233.0
72.90	339.0
74.00	2007.0
75.00	3295.0
76.10	1438.0
77.00	27856.0
78.00	1581.0
79.00	1513.0
80.00	1446.0
81.00	2117.0
82.00	683.0
82.90	474.0
85.00	361.0
85.90	530.0
87.00	409.0
90.80	382.0
92.00	579.0
92.90	2797.0
94.00	237.0
98.00	2057.0
99.00	1506.0
99.90	154.0
100.90	1040.0
102.90	315.0
103.90	814.0
105.00	686.0
107.00	8492.0
108.00	1358.0
108.80	209.0
109.90	14412.0
110.90	2088.0
111.90	301.0
116.00	706.0
117.00	6929.0
118.00	349.0
119.80	157.0
122.00	531.0
122.90	757.0
123.90	269.0
125.00	672.0
127.00	28896.0
128.00	2147.0
128.90	12045.0
129.90	1239.0
130.90	218.0
131.70	171.0
134.00	313.0
135.00	1027.0
136.00	506.0
137.00	316.0
138.90	216.0
139.90	333.0
140.90	1691.0
141.90	566.0
142.80	318.0
145.00	172.0
145.80	387.0
147.00	924.0
147.90	2062.0
149.00	518.0
151.10	304.0
152.10	162.0
152.90	546.0
153.90	622.0
154.90	857.0
155.90	1418.0
156.80	276.0
157.80	332.0
159.00	216.0
159.90	532.0
160.90	845.0
161.80	414.0
162.70	185.0
164.90	963.0
165.90	847.0
166.90	3447.0

167.90	1936.0
168.90	393.0
169.90	151.0
171.80	410.0
173.00	761.0
173.90	1121.0
175.00	1796.0
176.00	386.0
177.00	741.0
177.90	258.0
178.90	3489.0
180.00	2288.0
180.80	915.0
181.80	176.0
182.90	202.0
183.90	295.0
184.90	1620.0
186.00	12130.0
187.00	3516.0
188.00	532.0
188.90	830.0
189.80	211.0
190.90	496.0
192.00	997.0
193.00	1058.0
193.80	266.0
195.90	2355.0
197.90	86456.0
198.90	6122.0
199.90	336.0
200.70	172.0
201.60	367.0
202.90	793.0
204.00	3548.0
205.00	6234.0
206.00	25208.0
206.90	3446.0
207.90	747.0
209.00	281.0
210.00	457.0
211.00	1283.0
211.60	232.0
213.90	191.0
214.80	459.0
216.00	673.0
216.90	6954.0
217.90	1366.0
220.90	3596.0
221.70	1127.0
222.90	1590.0
224.00	16029.0
224.90	4058.0
226.00	521.0
226.90	6565.0
227.90	918.0
228.90	1532.0
229.90	217.0
231.00	566.0
232.90	206.0
233.90	513.0
234.90	285.0
235.90	223.0
236.90	516.0
238.80	157.0
239.90	185.0
240.90	342.0
241.90	945.0
243.00	709.0
244.00	13847.0
245.00	1828.0
245.90	2778.0
246.90	522.0
247.90	185.0
248.90	509.0
250.90	209.0
252.80	285.0
254.90	71816.0
255.90	9606.0
257.00	741.0
257.90	3999.0
258.90	632.0
263.80	162.0
264.90	1397.0
265.90	326.0
270.00	233.0
271.70	171.0
272.80	2417.0
273.90	5792.0
274.90	31736.0
275.90	3840.0
276.90	2871.0
277.80	484.0
281.00	157.0
283.00	498.0
283.80	218.0
284.90	762.0

Instrument :
BNA_G
ClientSampleId :
DFTPP461

285.90	167.0
291.90	245.0
292.80	680.0
293.80	251.0
295.90	9652.0
296.90	1395.0
301.80	254.0
302.90	1172.0
303.80	257.0
308.00	179.0
312.80	200.0
313.80	399.0
314.90	1368.0
315.80	602.0
320.80	526.0
321.70	158.0
322.90	3800.0
323.80	574.0
326.80	815.0
327.80	275.0
331.90	334.0
332.90	229.0
333.90	2728.0
334.80	427.0
340.90	541.0
342.10	167.0
345.70	982.0
346.80	170.0
351.80	1207.0
352.90	777.0
354.00	1237.0
354.80	163.0
364.90	5117.0
365.70	822.0
370.60	248.0
371.90	1895.0
372.90	448.0
382.80	515.0
384.10	186.0
389.80	209.0
390.90	409.0
391.60	179.0
401.80	780.0
402.80	912.0
403.80	299.0
421.00	1044.0
422.80	5980.0
423.80	1351.0
424.90	184.0
440.80	14715.0
441.80	89584.0
442.80	16888.0
443.80	1585.0

Instrument :
BNA_G
ClientSampleId :
DFTPP461

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK717

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170717BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064857.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK717

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170717BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064857.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/25/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

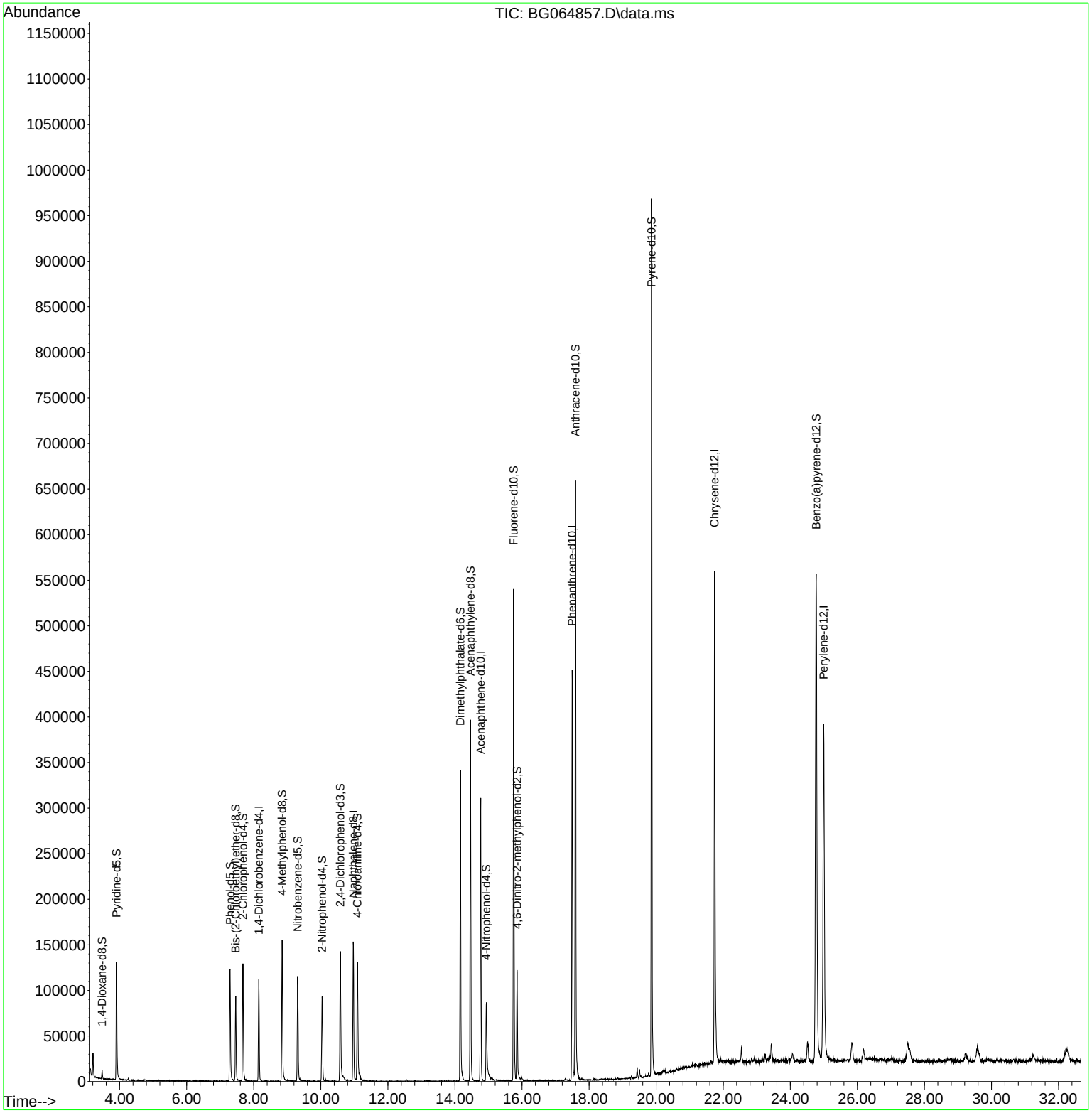
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064857.D
Acq On : 25 Nov 2025 12:28
Operator : RC/JU
Sample : PB170717BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK717

Quant Time: Nov 25 13:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064857.D
Acq On : 25 Nov 2025 12:28
Operator : RC/JU
Sample : PB170717BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK717

Quant Time: Nov 25 13:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	36472	20.000	ng/ul	0.00
20) Naphthalene-d8	10.966	136	138291	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	121336	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	313183	20.000	ng/ul	0.00
79) Chrysene-d12	21.742	240	411186	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	445430	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.475	96	4345	4.722	ng/uL	0.00
4) Pyridine-d5	3.904	84	65964	26.017	ng/ul	0.00
7) Phenol-d5	7.294	99	78958	26.855	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.459	67	49985	26.582	ng/ul	0.00
11) 2-Chlorophenol-d4	7.676	132	64616	28.990	ng/ul	0.00
15) 4-Methylphenol-d8	8.845	113	65340	25.785	ng/ul	0.00
21) Nitrobenzene-d5	9.309	128	29266	28.058	ng/ul	0.00
24) 2-Nitrophenol-d4	10.038	143	34701	28.009	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.578	165	64672	25.319	ng/ul	0.00
31) 4-Chloroaniline-d4	11.090	131	85360	26.144	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	281135	29.455	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	296434	29.001	ng/ul	0.00
54) 4-Nitrophenol-d4	14.932	143	30219	20.884	ng/ul	0.00
60) Fluorene-d10	15.749	176	250567	29.243	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	40026	19.962	ng/ul	0.00
73) Anthracene-d10	17.594	188	468300	29.592	ng/ul	0.00
81) Pyrene-d10	19.862	212	638061	30.210	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.774	264	704900	29.995	ng/ul	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064857.D
Acq On : 25 Nov 2025 12:28
Operator : RC/JU
Sample : PB170717BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK717

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064857.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.122	3	6	14	rVB5	7286	14541	0.92%	0.112%
2	3.205	16	20	26	rVV	26348	38021	2.40%	0.293%
3	3.475	62	66	72	rVB3	9316	13356	0.84%	0.103%
4	3.904	134	139	151	rBV	129008	221362	13.99%	1.709%
5	4.262	197	200	205	rVB4	2779	3748	0.24%	0.029%
6	7.294	708	716	728	rBV	123260	236576	14.95%	1.826%
7	7.370	728	729	734	rVB3	1731	1997	0.13%	0.015%
8	7.464	736	745	754	rBV	93095	165620	10.47%	1.278%
9	7.676	775	781	794	rVV	128907	234893	14.85%	1.813%
10	7.764	794	796	801	rVB3	2051	2351	0.15%	0.018%
11	8.152	853	862	875	rBV	112216	206095	13.03%	1.591%
12	8.845	973	980	988	rBV	155386	286933	18.13%	2.215%
13	9.309	1051	1059	1070	rBV	115450	219711	13.89%	1.696%
14	10.038	1174	1183	1196	rBV2	92983	183121	11.57%	1.414%
15	10.578	1267	1275	1284	rBV	142533	283382	17.91%	2.187%
16	10.966	1331	1341	1353	rBV	152774	293582	18.55%	2.266%
17	11.090	1355	1362	1376	rVV	128923	278712	17.61%	2.151%
18	12.553	1606	1611	1617	rVB2	2065	3918	0.25%	0.030%
19	14.162	1878	1885	1894	rBV	340909	539200	34.08%	4.162%
20	14.462	1929	1936	1947	rBV	396267	650643	41.12%	5.022%
21	14.768	1977	1988	2002	rBV	310702	501251	31.68%	3.869%
22	14.938	2010	2017	2029	rBV	85794	194381	12.28%	1.500%
23	15.079	2039	2041	2045	rVV4	1551	2393	0.15%	0.018%
24	15.114	2045	2047	2050	rVB2	2156	2242	0.14%	0.017%
25	15.749	2147	2155	2167	rBV	539527	883353	55.83%	6.819%
26	15.849	2167	2172	2188	rVV	121095	217197	13.73%	1.677%
27	15.954	2188	2190	2192	rVV2	2245	2540	0.16%	0.020%
28	15.990	2192	2196	2201	rVB4	3047	4937	0.31%	0.038%
29	17.288	2415	2417	2421	rVB3	1995	1612	0.10%	0.012%
30	17.494	2444	2452	2462	rBV2	450339	713060	45.07%	5.504%
31	17.594	2462	2469	2485	rVB	656136	1092249	69.03%	8.431%
32	17.882	2513	2518	2522	rVB4	1242	2197	0.14%	0.017%
33	18.140	2560	2562	2565	rBV2	1568	1623	0.10%	0.013%
34	18.446	2611	2614	2618	rVB3	1563	2313	0.15%	0.018%
35	18.845	2680	2682	2688	rVV3	1923	3395	0.21%	0.026%
36	19.262	2749	2753	2761	rBV3	3400	7972	0.50%	0.062%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064857.D
Acq On : 25 Nov 2025 12:28
Operator : RC/JU
Sample : PB170717BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK717

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	19.433	2778	2782	2789	rVB4	11994	18345	1.16%	0.142%
38	19.503	2789	2794	2798	rBV2	9689	15053	0.95%	0.116%
39	19.538	2798	2800	2805	rVB4	1546	2261	0.14%	0.017%
40	19.774	2837	2840	2844	rVB5	3988	5374	0.34%	0.041%
41	19.862	2849	2855	2869	rBV	962594	1490117	94.18%	11.502%
42	20.161	2905	2906	2908	rBV	2784	2386	0.15%	0.018%
43	20.808	3014	3016	3018	rVB3	3254	2197	0.14%	0.017%
44	21.178	3077	3079	3081	rBV2	2817	1933	0.12%	0.015%
45	21.295	3096	3099	3100	rBV2	3383	3385	0.21%	0.026%
46	21.742	3168	3175	3189	rBV	539122	1009224	63.78%	7.790%
47	22.188	3249	3251	3252	rBV2	3189	1650	0.10%	0.013%
48	22.541	3308	3311	3316	rVB6	15102	22434	1.42%	0.173%
49	23.240	3428	3430	3431	rBV2	4483	3068	0.19%	0.024%
50	23.434	3459	3463	3471	rVB8	18660	42702	2.70%	0.330%
51	24.274	3604	3606	3607	rVB2	4220	2330	0.15%	0.018%
52	24.409	3627	3629	3630	rBV2	3608	2756	0.17%	0.021%
53	24.515	3642	3647	3657	rVB8	21351	53855	3.40%	0.416%
54	24.774	3680	3691	3707	rBV	531193	1582271	100.00%	12.214%
55	24.997	3717	3729	3743	rBV	366200	1091704	69.00%	8.427%
56	26.184	3921	3931	3938	rBV8	14365	49018	3.10%	0.378%
57	29.556	4497	4505	4506	rBV8	12988	24567	1.55%	0.190%
58	30.896	4731	4733	4735	rBV3	3608	3087	0.20%	0.024%
59	31.225	4787	4789	4790	rBV2	4833	3879	0.25%	0.030%
60	31.366	4811	4813	4814	rBV2	3691	2385	0.15%	0.018%
61	31.536	4841	4842	4844	rBV2	5423	4589	0.29%	0.035%
62	31.947	4911	4912	4917	rVB3	5955	3707	0.23%	0.029%

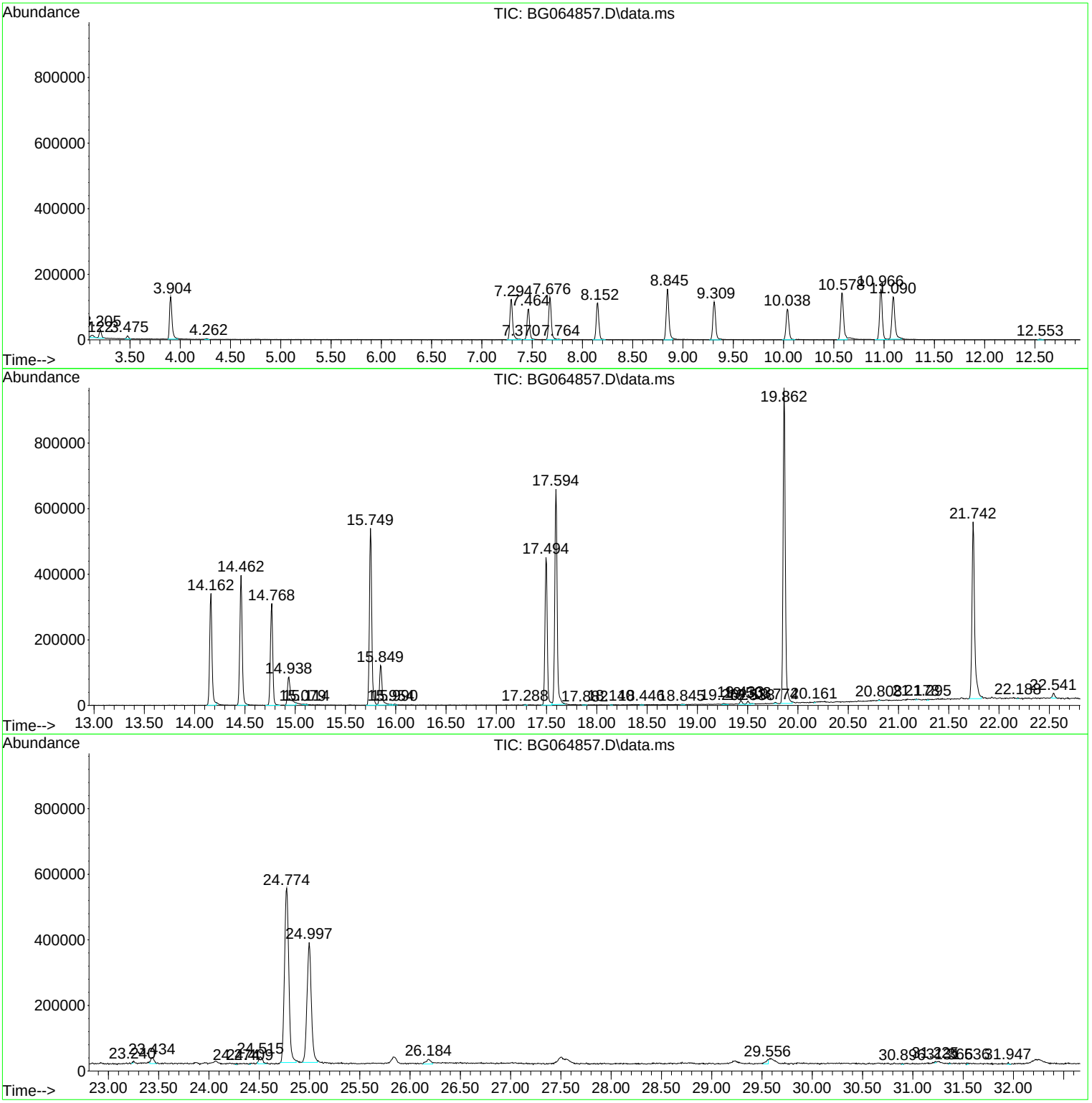
Sum of corrected areas: 12954754

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064857.D
Acq On : 25 Nov 2025 12:28
Operator : RC/JU
Sample : PB170717BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK717

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064857.D
Acq On : 25 Nov 2025 12:28
Operator : RC/JU
Sample : PB170717BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK717

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064857.D
Acq On : 25 Nov 2025 12:28
Operator : RC/JU
Sample : PB170717BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK717

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK719

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170719BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064868.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK719

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170719BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064868.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/25/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

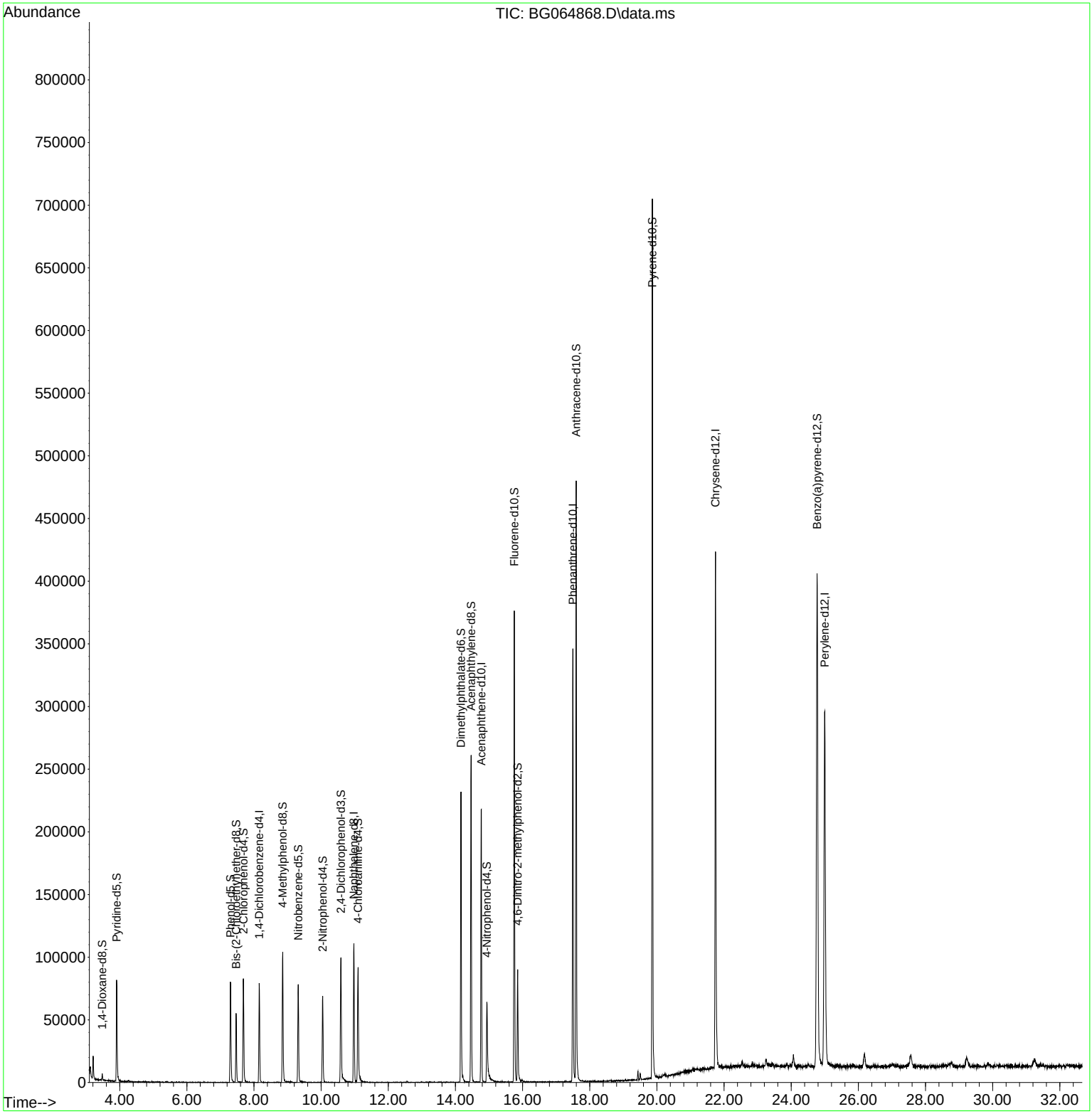
EPA-designated Registry Number.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 26 03:11:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 26 03:11:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.154	152	24120	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	94265	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.770	164	88100	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.496	188	239459	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.744	240	324540	20.000	ng/ul	# 0.00
88) Perylene-d12	24.999	264	356720	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	2503	4.113	ng/uL	0.00
4) Pyridine-d5	3.912	84	37691	22.479	ng/ul	0.00
7) Phenol-d5	7.297	99	47347	24.350	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	27119	21.808	ng/ul	0.00
11) 2-Chlorophenol-d4	7.684	132	40806	27.683	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	41577	24.810	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	19256	27.083	ng/ul	0.00
24) 2-Nitrophenol-d4	10.046	143	23228	27.505	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	46200	26.534	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	54978	24.703	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	188147	27.149	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	198354	26.726	ng/ul	0.00
54) 4-Nitrophenol-d4	14.935	143	21728m	20.681	ng/ul	0.00
60) Fluorene-d10	15.751	176	173851	27.944	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	29741	19.399	ng/ul	0.00
73) Anthracene-d10	17.596	188	329147	27.203	ng/ul	0.00
81) Pyrene-d10	19.864	212	456572	27.388	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.770	264	526973	28.000	ng/ul	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK719

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064868.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.125	3	6	15	rVB2	9308	15698	1.37%	0.172%
2	3.207	15	20	28	rVB2	18493	28705	2.50%	0.314%
3	3.478	60	66	72	rVV2	5464	7544	0.66%	0.083%
4	3.907	135	139	155	rVB	80936	134712	11.73%	1.474%
5	4.271	199	201	206	rVB2	1488	1550	0.14%	0.017%
6	7.297	710	716	729	rBV	80294	153562	13.38%	1.680%
7	7.467	739	745	760	rVV	54980	94312	8.22%	1.032%
8	7.684	774	782	794	rBV	82771	152668	13.30%	1.670%
9	8.154	856	862	877	rBB2	79289	138558	12.07%	1.516%
10	8.854	973	981	999	rBV2	104159	196182	17.09%	2.146%
11	9.318	1052	1060	1069	rBV	78160	144187	12.56%	1.577%
12	10.046	1177	1184	1192	rBV	68895	125498	10.93%	1.373%
13	10.587	1267	1276	1283	rBV	99659	194072	16.91%	2.123%
14	10.975	1335	1342	1350	rBV	110463	200688	17.48%	2.195%
15	11.098	1355	1363	1371	rBV	91153	180664	15.74%	1.976%
16	12.549	1607	1610	1615	rBV2	1129	2451	0.21%	0.027%
17	14.165	1878	1885	1892	rBV	231676	371775	32.38%	4.067%
18	14.224	1893	1895	1902	rVB2	4829	7013	0.61%	0.077%
19	14.465	1929	1936	1946	rBV2	260605	430264	37.48%	4.707%
20	14.770	1980	1988	1997	rBV	217661	358272	31.21%	3.919%
21	14.935	2010	2016	2023	rBV	63995	127803	11.13%	1.398%
22	15.017	2028	2030	2033	rVV2	4371	4834	0.42%	0.053%
23	15.041	2033	2034	2037	rVV2	2092	1753	0.15%	0.019%
24	15.264	2070	2072	2077	rVB	882	1166	0.10%	0.013%
25	15.751	2147	2155	2166	rBV	376225	600053	52.27%	6.564%
26	15.851	2166	2172	2186	rVB	89357	151745	13.22%	1.660%
27	17.285	2413	2416	2420	rBV3	1052	1580	0.14%	0.017%
28	17.496	2445	2452	2462	rBV	345289	535036	46.61%	5.853%
29	17.596	2462	2469	2485	rVB	478301	754854	65.75%	8.257%
30	18.777	2668	2670	2673	rBV2	858	1158	0.10%	0.013%
31	19.059	2717	2718	2723	rVB2	1157	1273	0.11%	0.014%
32	19.324	2761	2763	2767	rBV2	1009	1227	0.11%	0.013%
33	19.435	2778	2782	2786	rVB4	7170	10134	0.88%	0.111%
34	19.500	2786	2793	2800	rBV2	5462	9632	0.84%	0.105%
35	19.547	2800	2801	2807	rBV2	889	1214	0.11%	0.013%
36	19.864	2849	2855	2871	rBV	701793	1037569	90.38%	11.350%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK719

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	19.970	2871	2873	2876	rVV3	1479	1690	0.15%	0.018%
38	20.017	2879	2881	2884	rVB3	1493	1409	0.12%	0.015%
39	20.064	2887	2889	2891	rBV3	2068	1731	0.15%	0.019%
40	20.346	2934	2937	2938	rBV2	1875	1905	0.17%	0.021%
41	20.493	2961	2962	2964	rBV	1394	1172	0.10%	0.013%
42	20.528	2964	2968	2970	rVV4	1619	1994	0.17%	0.022%
43	20.558	2970	2973	2976	rVV5	1889	2577	0.22%	0.028%
44	20.593	2976	2979	2982	rVB4	1851	2078	0.18%	0.023%
45	20.687	2991	2995	2996	rBV4	2514	2749	0.24%	0.030%
46	20.904	3031	3032	3035	rBV3	2668	2080	0.18%	0.023%
47	21.116	3067	3068	3070	rBV2	2781	2093	0.18%	0.023%
48	21.368	3108	3111	3112	rBV3	2396	2289	0.20%	0.025%
49	21.562	3142	3144	3146	rBV2	1934	1652	0.14%	0.018%
50	21.603	3149	3151	3153	rBV3	2609	1583	0.14%	0.017%
51	21.744	3168	3175	3187	rBV	412393	765015	66.64%	8.368%
52	22.837	3360	3361	3366	rBV4	3674	2877	0.25%	0.031%
53	23.184	3418	3420	3424	rBV5	2001	3567	0.31%	0.039%
54	23.237	3427	3429	3430	rBV	3067	2084	0.18%	0.023%
55	23.390	3453	3455	3457	rBV3	2370	1341	0.12%	0.015%
56	23.513	3474	3476	3478	rBV3	2478	2520	0.22%	0.028%
57	23.918	3543	3545	3546	rVB2	2424	1184	0.10%	0.013%
58	23.936	3546	3548	3549	rBV2	1871	1586	0.14%	0.017%
59	24.065	3563	3570	3577	rVB5	9463	20173	1.76%	0.221%
60	24.165	3585	3587	3588	rBV	3545	3117	0.27%	0.034%
61	24.200	3591	3593	3594	rBV2	3293	1932	0.17%	0.021%
62	24.347	3616	3618	3620	rBV4	2489	2464	0.21%	0.027%
63	24.770	3679	3690	3707	rBV	391711	1148008	100.00%	12.558%
64	24.999	3717	3729	3744	rBV2	281531	845754	73.67%	9.251%
65	25.293	3777	3779	3782	rBV3	2097	2308	0.20%	0.025%
66	25.370	3790	3792	3794	rBV3	2922	1889	0.16%	0.021%
67	25.517	3815	3817	3820	rBV4	2339	2836	0.25%	0.031%
68	25.934	3886	3888	3891	rBV5	1873	1616	0.14%	0.018%
69	26.022	3900	3903	3905	rBV4	2620	2428	0.21%	0.027%
70	26.128	3919	3921	3922	rBV2	2579	2460	0.21%	0.027%
71	26.186	3922	3931	3938	rVB8	9541	30984	2.70%	0.339%
72	26.374	3961	3963	3965	rBV2	2061	2449	0.21%	0.027%
73	26.509	3984	3986	3987	rVB2	2303	1334	0.12%	0.015%
74	26.527	3987	3989	3994	rVB6	1828	2475	0.22%	0.027%
75	27.156	4095	4096	4099	rBV3	2949	2551	0.22%	0.028%
76	27.344	4125	4128	4132	rBV6	2840	4416	0.38%	0.048%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK719

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	27.444	4144	4145	4146	rBV	3856	1876	0.16%	0.021%
78	27.508	4154	4156	4157	rBV2	2050	1383	0.12%	0.015%
79	27.538	4159	4161	4162	rBV2	5448	3644	0.32%	0.040%
80	27.702	4187	4189	4191	rBV2	3085	2857	0.25%	0.031%
81	27.867	4215	4217	4218	rVB2	2685	1387	0.12%	0.015%
82	28.754	4364	4368	4370	rBV5	2928	4273	0.37%	0.047%
83	28.842	4381	4383	4384	rBV2	2722	1955	0.17%	0.021%
84	29.224	4439	4448	4450	rBV7	7760	18694	1.63%	0.204%
85	29.441	4483	4485	4487	rBV3	2153	1746	0.15%	0.019%
86	29.535	4498	4501	4504	rBV4	3683	4929	0.43%	0.054%
87	29.817	4545	4549	4550	rBV3	2416	3390	0.30%	0.037%
88	30.193	4611	4613	4614	rBV2	2442	1754	0.15%	0.019%
89	30.522	4668	4669	4670	rVB	3420	1206	0.11%	0.013%
90	30.663	4691	4693	4694	rBV2	2325	1782	0.16%	0.019%
91	30.804	4715	4717	4724	rVB7	3236	4326	0.38%	0.047%
92	30.857	4724	4726	4729	rBV4	2268	2839	0.25%	0.031%
93	30.881	4729	4730	4733	rVB3	2836	2252	0.20%	0.025%
94	30.910	4733	4735	4737	rBV3	2507	2325	0.20%	0.025%
95	31.239	4789	4791	4792	rBV2	2613	1204	0.10%	0.013%
96	31.421	4820	4822	4825	rVB4	2673	2814	0.25%	0.031%
97	31.762	4876	4880	4881	rBV3	2855	3028	0.26%	0.033%
98	31.874	4897	4899	4901	rBV3	2526	3205	0.28%	0.035%
99	31.991	4917	4919	4923	rBV4	3186	3243	0.28%	0.035%

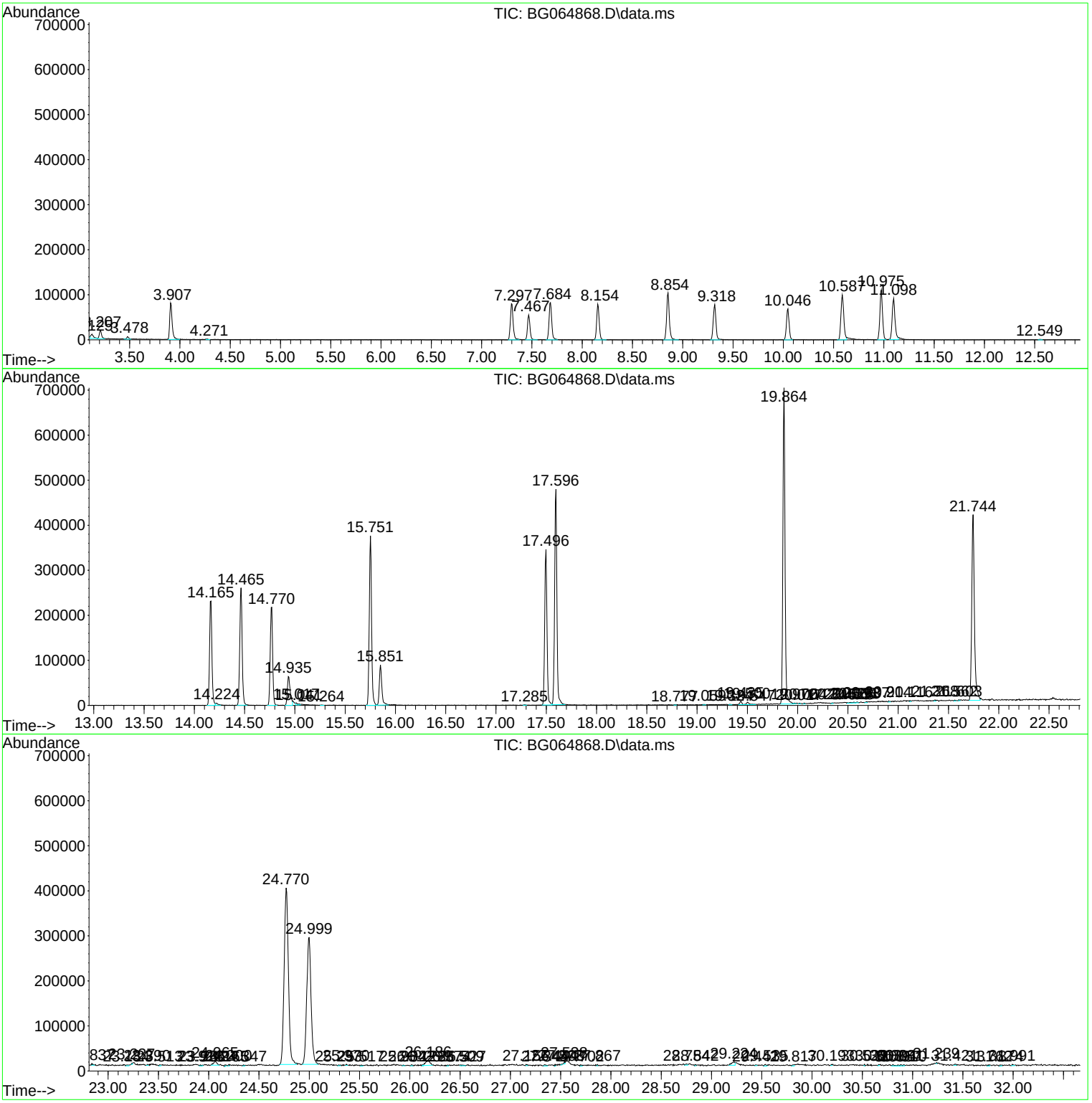
Sum of corrected areas: 9141888

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK719

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



982

Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK719

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
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Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK719

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

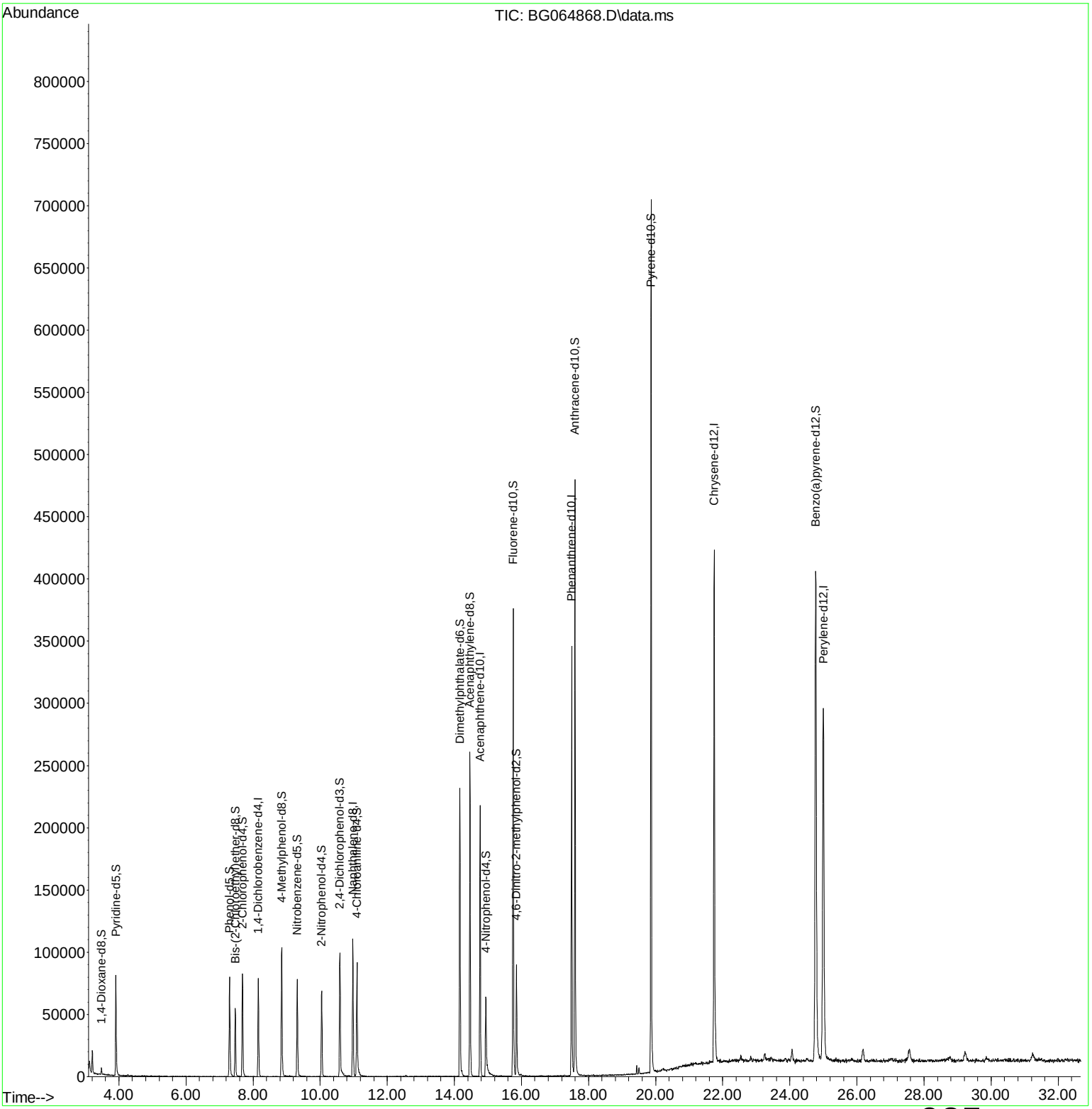
					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 26 03:11:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



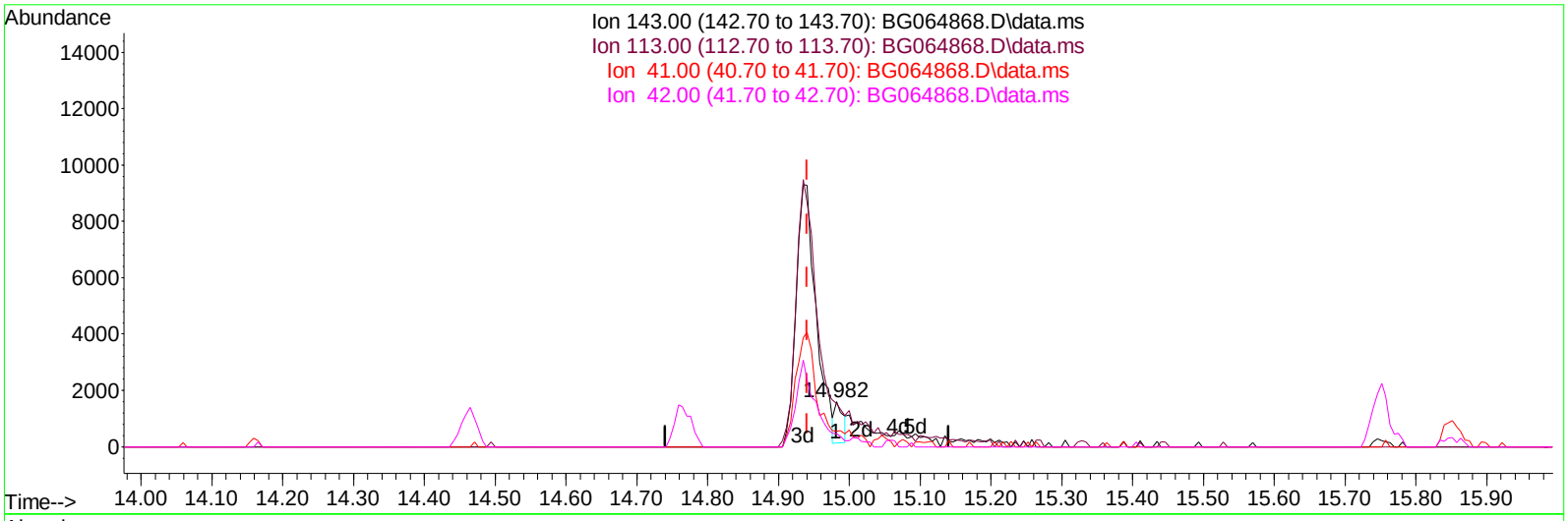
Quantitation Report (Qedit)

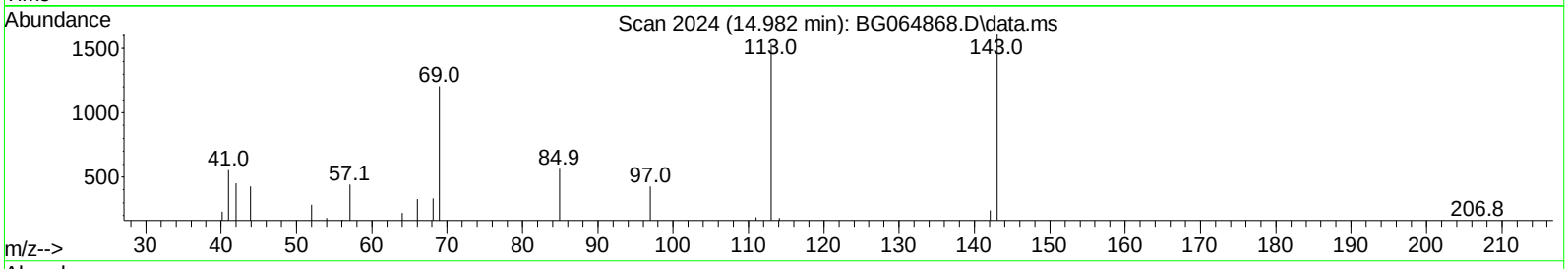
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

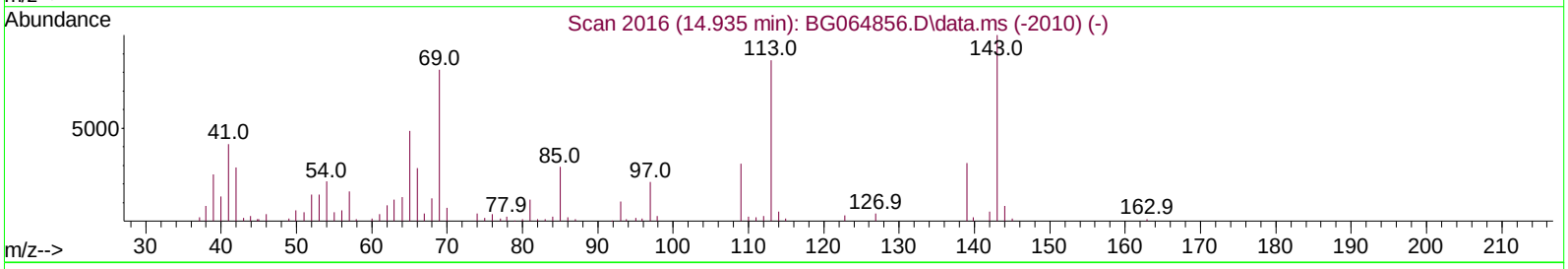
Quant Time: Nov 26 07:12:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064868.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.982min (+ 0.041) 1.17 ng/ul

response 1233

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	95.46
41.00	40.40	34.37
42.00	23.60	27.97

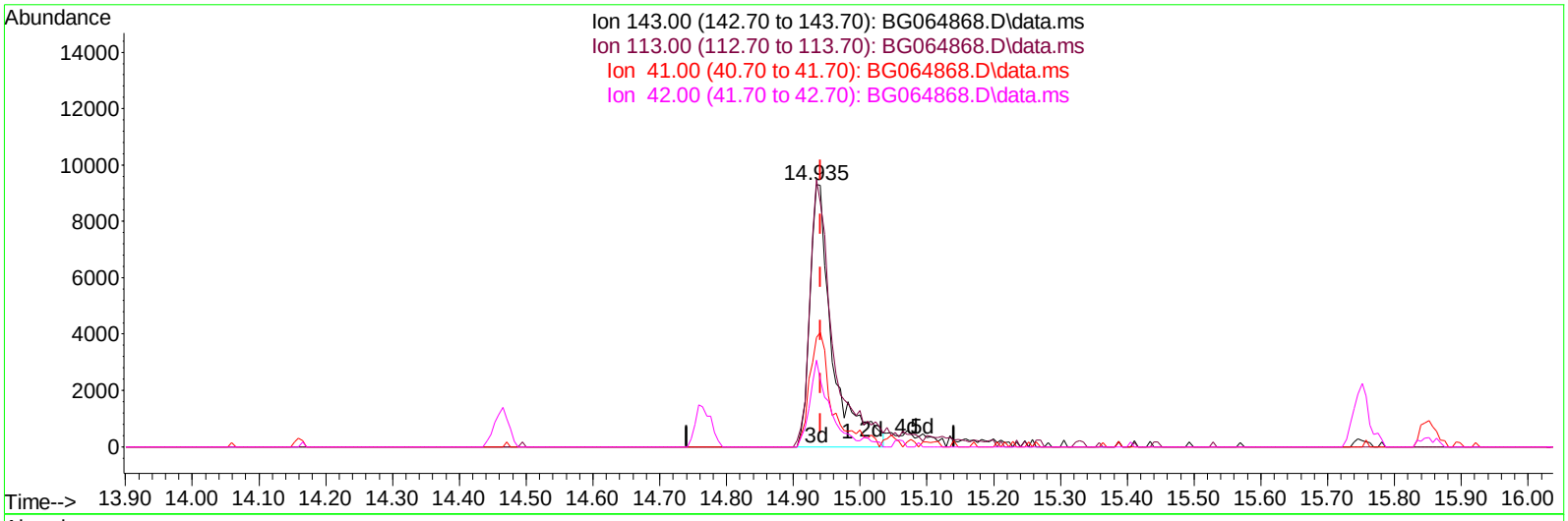
Quantitation Report (Qedit)

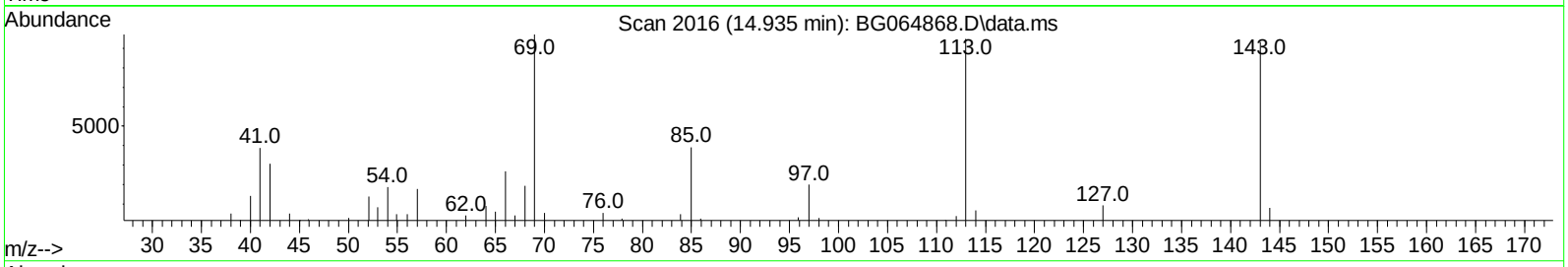
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

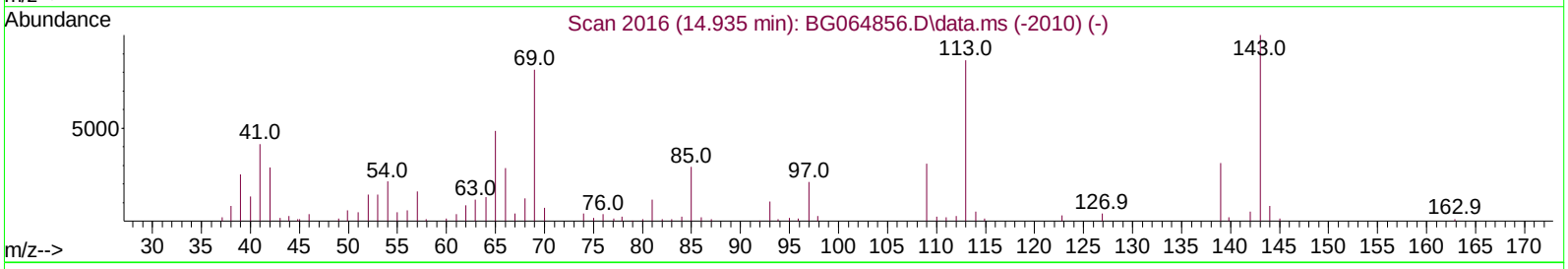
Quant Time: Nov 26 03:11:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064868.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.935min (-0.006) 20.68 ng/ul m

response 21728

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	101.74
41.00	40.40	41.69
42.00	23.60	32.98#

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064868.D
Acq On : 25 Nov 2025 20:00
Operator : RC/JU
Sample : PB170719BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 26 03:11:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.154	152	24120	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	94265	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.770	164	88100	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.496	188	239459	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.744	240	324540	20.000	ng/ul	# 0.00
88) Perylene-d12	24.999	264	356720	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	2503	4.113	ng/uL	0.00
4) Pyridine-d5	3.912	84	37691	22.479	ng/ul	0.00
7) Phenol-d5	7.297	99	47347	24.350	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	27119	21.808	ng/ul	0.00
11) 2-Chlorophenol-d4	7.684	132	40806	27.683	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	41577	24.810	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	19256	27.083	ng/ul	0.00
24) 2-Nitrophenol-d4	10.046	143	23228	27.505	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	46200	26.534	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	54978	24.703	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	188147	27.149	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	198354	26.726	ng/ul	0.00
54) 4-Nitrophenol-d4	14.935	143	21728m	20.681	ng/ul	0.00
60) Fluorene-d10	15.751	176	173851	27.944	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	29741	19.399	ng/ul	0.00
73) Anthracene-d10	17.596	188	329147	27.203	ng/ul	0.00
81) Pyrene-d10	19.864	212	456572	27.388	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.770	264	526973	28.000	ng/ul	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK721

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170721BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064883.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK721

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170721BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064883.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

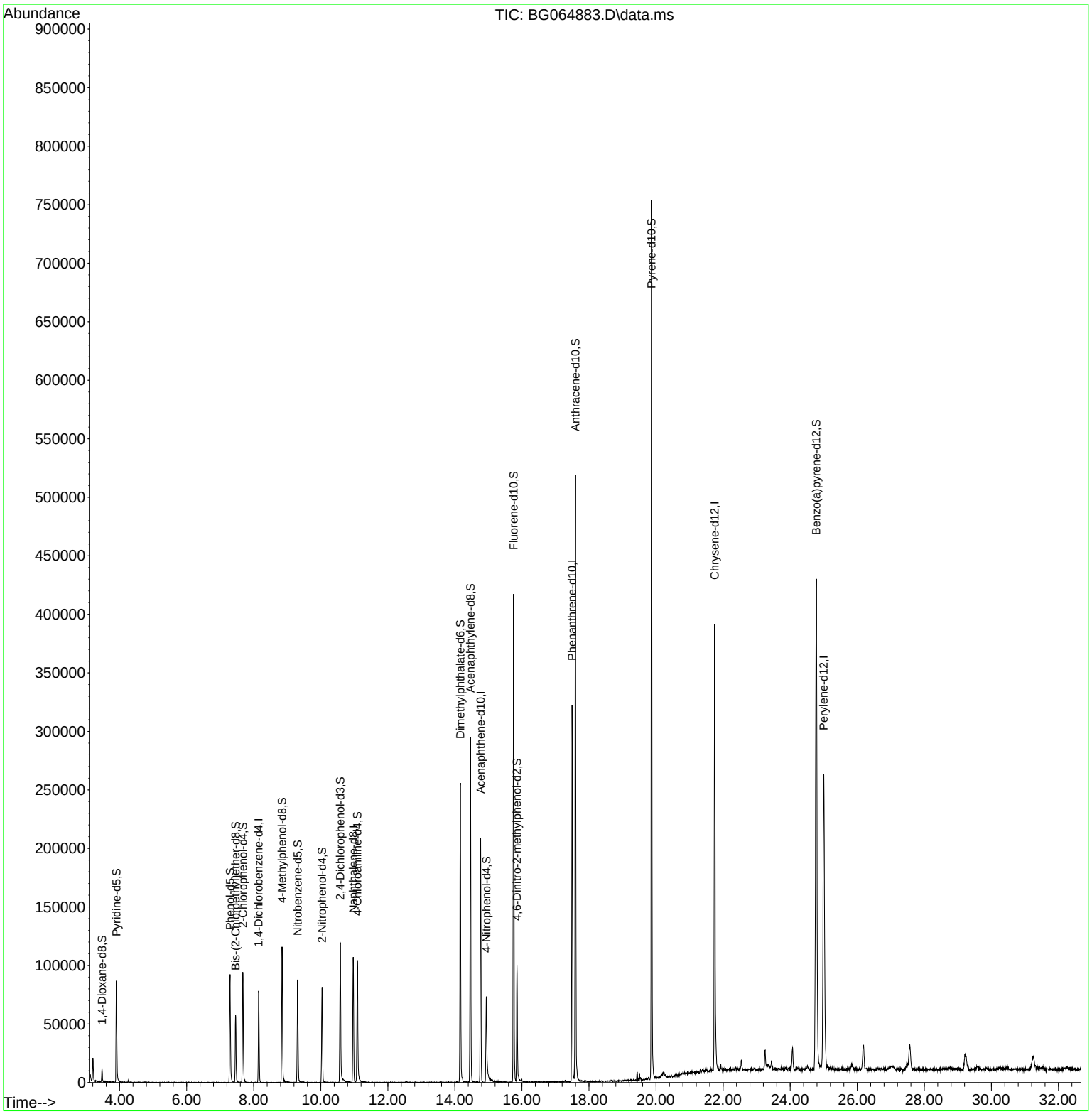
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064883.D
Acq On : 26 Nov 2025 10:54
Operator : RC/JU
Sample : PB170721BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK721

Quant Time: Dec 01 07:50:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064883.D
Acq On : 26 Nov 2025 10:54
Operator : RC/JU
Sample : PB170721BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK721

Quant Time: Dec 01 07:50:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	23668	20.000	ng/ul	0.00
20) Naphthalene-d8	10.967	136	91326	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	86159	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	223060	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	299116	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	327094	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.476	96	5427	9.088	ng/uL	0.00
4) Pyridine-d5	3.905	84	40763	24.775	ng/ul	0.00
7) Phenol-d5	7.295	99	53011	27.784	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.459	67	29252	23.972	ng/ul	0.00
11) 2-Chlorophenol-d4	7.677	132	45782	31.652	ng/ul	0.00
15) 4-Methylphenol-d8	8.846	113	45212	27.494	ng/ul	0.00
21) Nitrobenzene-d5	9.310	128	20810	30.211	ng/ul	0.00
24) 2-Nitrophenol-d4	10.039	143	25974	31.747	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.579	165	52716	31.251	ng/ul	0.00
31) 4-Chloroaniline-d4	11.090	131	61048	28.313	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	208277	30.731	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	217238	29.930	ng/ul	0.00
54) 4-Nitrophenol-d4	14.939	143	24797	24.133	ng/ul	0.00
60) Fluorene-d10	15.750	176	187286	30.782	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.850	200	32422	22.703	ng/ul	0.00
73) Anthracene-d10	17.595	188	351131	31.153	ng/ul	0.00
81) Pyrene-d10	19.863	212	482927	31.432	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	557750	32.320	ng/ul	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064883.D
Acq On : 26 Nov 2025 10:54
Operator : RC/JU
Sample : PB170721BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK721

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064883.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.123	3	6	13	rVB3	5275	9667	0.79%	0.100%
2	3.206	15	20	27	rVB	19624	30004	2.46%	0.310%
3	3.476	61	66	73	rVV	11645	17572	1.44%	0.182%
4	3.905	133	139	155	rBV	86559	145710	11.93%	1.507%
5	4.257	196	199	205	rVB	1600	1734	0.14%	0.018%
6	7.295	709	716	734	rBV	92332	175910	14.40%	1.819%
7	7.459	738	744	756	rVV	57764	103209	8.45%	1.067%
8	7.677	775	781	792	rBV2	94310	173521	14.21%	1.794%
9	8.147	855	861	872	rBV	78293	137587	11.27%	1.423%
10	8.846	973	980	991	rBV	115926	217092	17.78%	2.245%
11	9.310	1052	1059	1069	rBV2	87890	160260	13.12%	1.657%
12	10.039	1176	1183	1195	rVB	81273	145517	11.92%	1.505%
13	10.585	1268	1276	1287	rBV	118723	231606	18.97%	2.395%
14	10.967	1333	1341	1349	rBV	107102	195915	16.04%	2.026%
15	11.090	1354	1362	1372	rBV	104007	206324	16.90%	2.133%
16	12.542	1606	1609	1611	rBV	1319	1497	0.12%	0.015%
17	14.163	1878	1885	1901	rBV	255627	417984	34.23%	4.322%
18	14.463	1930	1936	1945	rBV2	294528	474567	38.86%	4.907%
19	14.768	1981	1988	1996	rBV	208754	342918	28.08%	3.546%
20	14.939	2010	2017	2032	rBV	73131	160741	13.16%	1.662%
21	15.750	2148	2155	2167	rBV	416976	655568	53.68%	6.778%
22	15.850	2167	2172	2185	rVV	99297	167482	13.71%	1.732%
23	15.985	2192	2195	2201	rVV3	1971	2847	0.23%	0.029%
24	17.283	2414	2416	2420	rVB2	1133	1293	0.11%	0.013%
25	17.495	2446	2452	2462	rBV	321828	490060	40.13%	5.067%
26	17.595	2462	2469	2483	rVV	517641	811615	66.46%	8.392%
27	17.683	2483	2484	2488	rVB3	1329	1290	0.11%	0.013%
28	17.888	2516	2519	2522	rBV2	1316	1826	0.15%	0.019%
29	18.441	2610	2613	2620	rBV2	595	1409	0.12%	0.015%
30	19.434	2777	2782	2786	rBV4	7497	11978	0.98%	0.124%
31	19.504	2790	2794	2797	rVV	5822	8319	0.68%	0.086%
32	19.533	2797	2799	2804	rVB5	2697	4049	0.33%	0.042%
33	19.569	2804	2805	2811	rBV4	1218	2019	0.17%	0.021%
34	19.774	2836	2840	2847	rVB4	2290	3949	0.32%	0.041%
35	19.863	2849	2855	2871	rVV	750812	1093277	89.52%	11.304%
36	20.133	2898	2901	2902	rBV	1782	1786	0.15%	0.018%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064883.D
Acq On : 26 Nov 2025 10:54
Operator : RC/JU
Sample : PB170721BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK721

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	20.215	2912	2915	2916	rBV4	2030	1872	0.15%	0.019%
38	20.350	2936	2938	2939	rBV	1530	1325	0.11%	0.014%
39	20.756	3004	3007	3009	rBV4	1682	1930	0.16%	0.020%
40	20.803	3013	3015	3021	rVB6	2471	3456	0.28%	0.036%
41	21.061	3057	3059	3062	rBV4	1977	2476	0.20%	0.026%
42	21.096	3064	3065	3068	rBV3	2199	1780	0.15%	0.018%
43	21.267	3092	3094	3095	rVB2	2255	1558	0.13%	0.016%
44	21.314	3098	3102	3106	rVV6	2871	4195	0.34%	0.043%
45	21.496	3131	3133	3137	rBV4	1894	1758	0.14%	0.018%
46	21.749	3169	3176	3191	rBV	381551	713436	58.42%	7.377%
47	21.931	3202	3207	3210	rBV4	4925	6389	0.52%	0.066%
48	22.548	3304	3312	3317	rBV4	9010	19133	1.57%	0.198%
49	22.747	3344	3346	3349	rBV3	1644	2069	0.17%	0.021%
50	23.253	3424	3432	3438	rBV4	16743	36524	2.99%	0.378%
51	23.347	3446	3448	3452	rVB5	2917	2290	0.19%	0.024%
52	23.846	3531	3533	3534	rBV2	1802	1643	0.13%	0.017%
53	24.069	3564	3571	3578	rVB4	19560	46271	3.79%	0.478%
54	24.304	3609	3611	3613	rBV3	1871	2015	0.17%	0.021%
55	24.686	3674	3676	3677	rBV2	2718	2174	0.18%	0.022%
56	24.780	3680	3692	3709	rVV	419657	1221198	100.00%	12.627%
57	24.998	3718	3729	3745	rVB2	250405	797386	65.30%	8.245%
58	25.415	3798	3800	3801	rBV	2102	1300	0.11%	0.013%
59	25.709	3849	3850	3853	rBV3	3053	3152	0.26%	0.033%
60	25.803	3864	3866	3867	rBV2	1995	1682	0.14%	0.017%
61	25.826	3868	3870	3874	rVV3	3158	4483	0.37%	0.046%
62	26.190	3923	3932	3939	rVB5	19903	59065	4.84%	0.611%
63	26.302	3949	3951	3955	rVB5	2186	2915	0.24%	0.030%
64	26.337	3955	3957	3959	rBV3	2286	1949	0.16%	0.020%
65	26.707	4016	4020	4022	rBV5	2394	4024	0.33%	0.042%
66	26.749	4026	4027	4029	rBV2	1922	1866	0.15%	0.019%
67	27.177	4098	4100	4102	rBV3	2387	2327	0.19%	0.024%
68	27.289	4117	4119	4120	rBV2	2689	2111	0.17%	0.022%
69	27.365	4130	4132	4133	rBV2	2220	1811	0.15%	0.019%
70	27.448	4144	4146	4147	rBV2	2240	1926	0.16%	0.020%
71	27.495	4152	4154	4155	rBV	4029	1995	0.16%	0.021%
72	27.559	4158	4165	4166	rBV5	17776	30086	2.46%	0.311%
73	27.712	4189	4191	4195	rBV4	1716	1700	0.14%	0.018%
74	27.947	4229	4231	4233	rBV3	2015	1308	0.11%	0.014%
75	28.082	4252	4254	4256	rBV3	1872	1643	0.13%	0.017%
76	28.370	4299	4303	4304	rBV4	2549	3504	0.29%	0.036%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064883.D
Acq On : 26 Nov 2025 10:54
Operator : RC/JU
Sample : PB170721BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK721

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	28.476	4320	4321	4323	rBV2	2424	1775	0.15%	0.018%
78	29.022	4413	4414	4418	rVV4	2021	1768	0.14%	0.018%
79	29.181	4438	4441	4442	rBV3	4138	4520	0.37%	0.047%
80	29.210	4442	4446	4447	rBV4	9089	10634	0.87%	0.110%
81	29.387	4474	4476	4477	rBV	3354	1606	0.13%	0.017%
82	29.833	4551	4552	4553	rBV	2596	1497	0.12%	0.015%
83	29.957	4571	4573	4574	rBV2	1917	1279	0.10%	0.013%
84	30.051	4587	4589	4590	rBV2	2807	1660	0.14%	0.017%
85	30.139	4601	4604	4607	rBV5	2544	4222	0.35%	0.044%
86	30.309	4632	4633	4637	rVB4	2783	2193	0.18%	0.023%
87	30.338	4637	4638	4640	rBV2	2670	1772	0.15%	0.018%
88	30.938	4738	4740	4742	rVB2	2282	1770	0.14%	0.018%
89	30.961	4742	4744	4745	rBV2	2107	1349	0.11%	0.014%
90	30.997	4748	4750	4753	rVB5	2055	2060	0.17%	0.021%
91	31.185	4778	4782	4783	rBV3	5641	5962	0.49%	0.062%
92	31.232	4788	4790	4792	rVV2	3918	3921	0.32%	0.041%
93	31.343	4807	4809	4812	rBV4	2031	2616	0.21%	0.027%
94	31.414	4818	4821	4822	rBV2	2377	2605	0.21%	0.027%
95	31.508	4835	4837	4839	rVB2	2231	1415	0.12%	0.015%
96	31.737	4874	4876	4878	rBV3	2288	1790	0.15%	0.019%
97	31.760	4878	4880	4884	rVV5	2023	1550	0.13%	0.016%
98	31.989	4918	4919	4921	rVB2	2204	1455	0.12%	0.015%
99	32.595	5020	5022	5025	rVB5	2114	2103	0.17%	0.022%
100	32.624	5025	5027	5030	rBV4	1741	2123	0.17%	0.022%

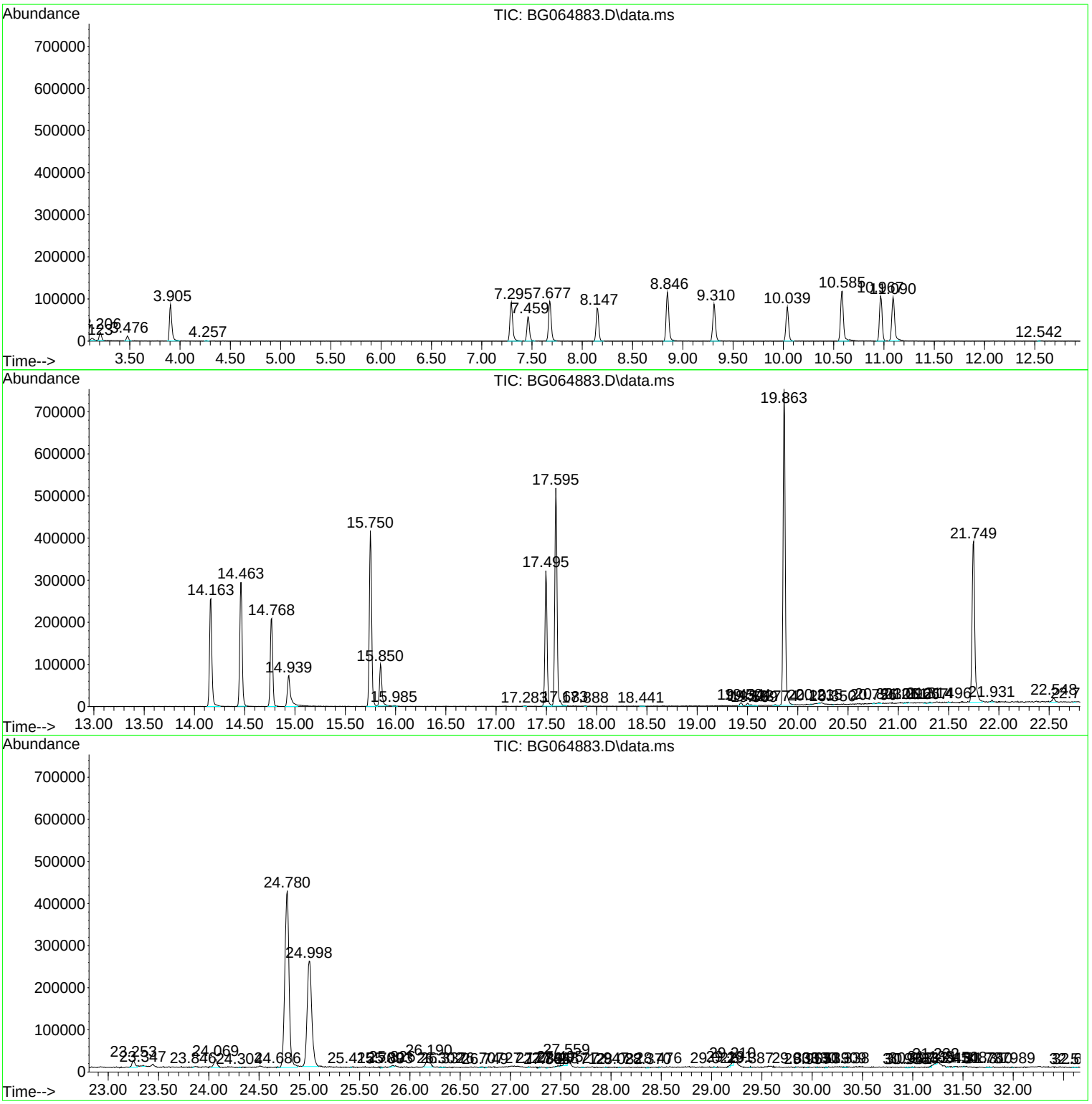
Sum of corrected areas: 9671472

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064883.D
Acq On : 26 Nov 2025 10:54
Operator : RC/JU
Sample : PB170721BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK721

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064883.D
Acq On : 26 Nov 2025 10:54
Operator : RC/JU
Sample : PB170721BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK721

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064883.D
Acq On : 26 Nov 2025 10:54
Operator : RC/JU
Sample : PB170721BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK721

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK723

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170723BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064884.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK723

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170723BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064884.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

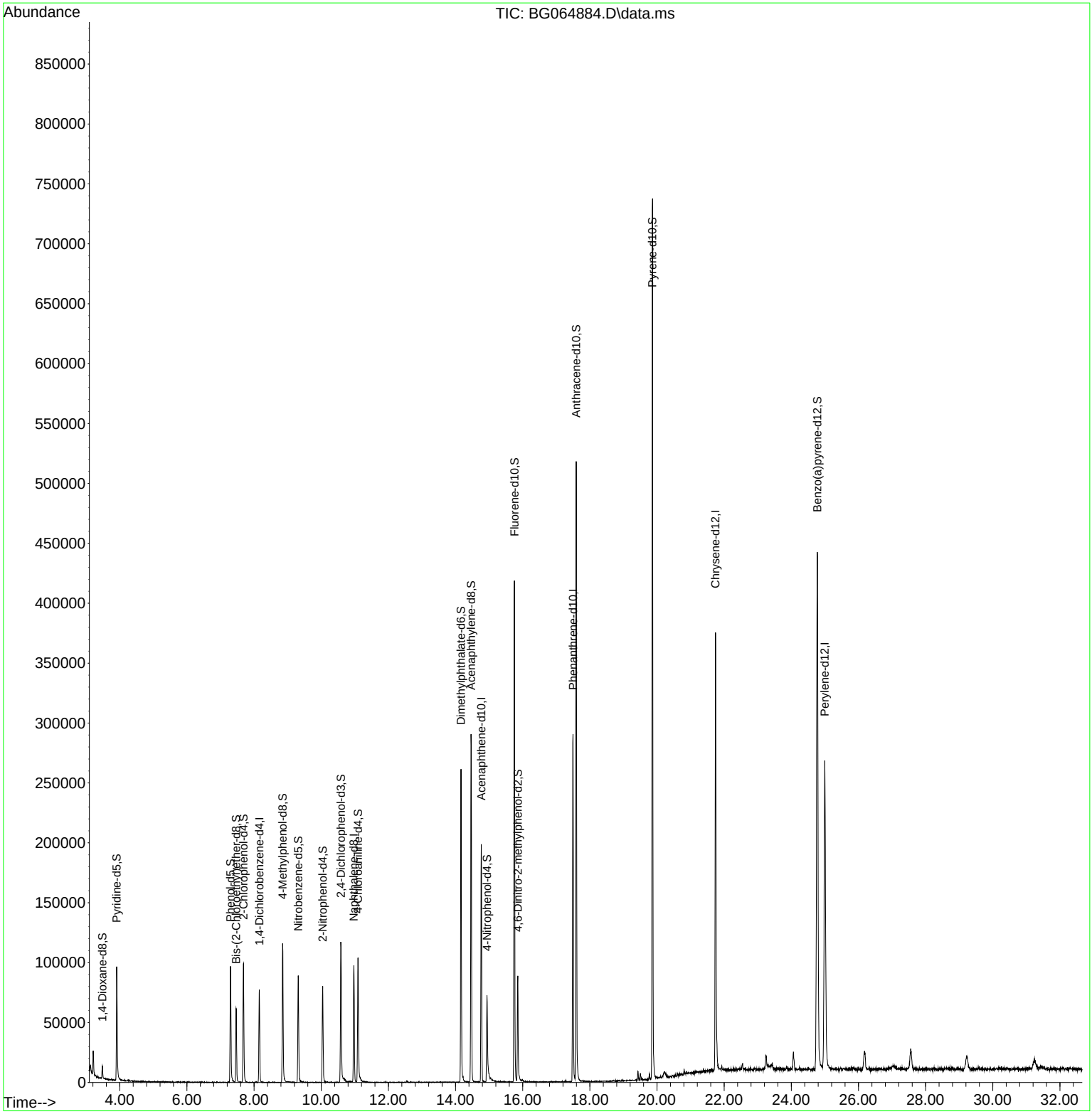
EPA-designated Registry Number.

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064884.D
Acq On : 26 Nov 2025 11:35
Operator : RC/JU
Sample : PB170723BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK723

Quant Time: Dec 01 07:51:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064884.D
Acq On : 26 Nov 2025 11:35
Operator : RC/JU
Sample : PB170723BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK723

Quant Time: Dec 01 07:51:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	24283	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	86769	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	81265	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	214286	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.742	240	287929	20.000	ng/ul	# 0.00
88) Perylene-d12	24.997	264	319508	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	5256	8.579	ng/uL	0.00
4) Pyridine-d5	3.910	84	45126	26.732	ng/ul	0.00
7) Phenol-d5	7.300	99	54854	28.022	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.465	67	31635	25.268	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	49364	33.264	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	46924	27.813	ng/ul	0.00
21) Nitrobenzene-d5	9.315	128	22109	33.782	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	27638	35.555	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	52729	32.900	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	62545	30.531	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	206594	32.319	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	223085	32.587	ng/ul	0.00
54) 4-Nitrophenol-d4	14.938	143	22896	23.625	ng/ul	0.00
60) Fluorene-d10	15.755	176	189929	33.096	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	31604	23.036	ng/ul	0.00
73) Anthracene-d10	17.594	188	362673	33.495	ng/ul	0.00
81) Pyrene-d10	19.862	212	493672	33.379	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	579229	34.361	ng/ul	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064884.D
Acq On : 26 Nov 2025 11:35
Operator : RC/JU
Sample : PB170723BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK723

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064884.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.129	3	7	11	rVB4	5499	8972	0.71%	0.093%
2	3.211	17	21	28	rVB2	20683	33658	2.68%	0.349%
3	3.481	63	67	74	rVB	10562	15905	1.26%	0.165%
4	3.910	134	140	155	rBV	94961	162396	12.91%	1.684%
5	4.274	199	202	205	rVB3	1284	1553	0.12%	0.016%
6	7.300	710	717	728	rBV	97017	180933	14.38%	1.876%
7	7.465	738	745	756	rBV	61783	111257	8.84%	1.154%
8	7.688	775	783	795	rBV	99319	185175	14.72%	1.920%
9	8.158	855	863	874	rBV	77459	136798	10.87%	1.419%
10	8.851	974	981	994	rBV2	115993	224355	17.84%	2.327%
11	9.315	1052	1060	1070	rBV2	89162	168873	13.42%	1.751%
12	10.044	1177	1184	1193	rBV2	80291	150657	11.98%	1.562%
13	10.585	1268	1276	1287	rBV	117270	232329	18.47%	2.409%
14	10.972	1335	1342	1352	rBV2	97073	181578	14.43%	1.883%
15	11.096	1355	1363	1381	rBV	103676	212929	16.93%	2.208%
16	12.547	1605	1610	1614	rBV3	1394	2485	0.20%	0.026%
17	14.163	1878	1885	1895	rBV	261170	417152	33.16%	4.326%
18	14.462	1929	1936	1949	rVB	289966	486639	38.69%	5.046%
19	14.768	1981	1988	1998	rBV	198595	323708	25.73%	3.357%
20	14.938	2011	2017	2033	rBV	72623	161997	12.88%	1.680%
21	15.050	2034	2036	2043	rVV4	2991	5540	0.44%	0.057%
22	15.755	2149	2156	2167	rBV	418312	666950	53.02%	6.916%
23	15.855	2167	2173	2185	rBV	87547	150553	11.97%	1.561%
24	15.990	2194	2196	2201	rVB2	1803	2398	0.19%	0.025%
25	17.283	2413	2416	2419	rBV3	1508	1391	0.11%	0.014%
26	17.500	2446	2453	2463	rBV	290104	475055	37.76%	4.926%
27	17.594	2463	2469	2484	rVB	516407	826065	65.67%	8.566%
28	17.988	2533	2536	2543	rBV2	723	1567	0.12%	0.016%
29	19.433	2778	2782	2787	rVV2	7973	11922	0.95%	0.124%
30	19.504	2791	2794	2798	rVV3	5620	9085	0.72%	0.094%
31	19.539	2798	2800	2804	rVB2	1893	2055	0.16%	0.021%
32	19.774	2837	2840	2844	rVV4	4706	5757	0.46%	0.060%
33	19.868	2849	2856	2869	rVV	734151	1119721	89.01%	11.611%
34	20.191	2909	2911	2912	rBV2	2048	1942	0.15%	0.020%
35	20.209	2912	2914	2915	rBV2	1770	1549	0.12%	0.016%
36	20.455	2953	2956	2958	rBV3	2055	2531	0.20%	0.026%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064884.D
Acq On : 26 Nov 2025 11:35
Operator : RC/JU
Sample : PB170723BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK723

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	20.808	3011	3016	3020	rBV6	4761	7011	0.56%	0.073%
38	20.878	3025	3028	3030	rBV2	2135	2509	0.20%	0.026%
39	21.266	3092	3094	3096	rBV3	1684	1791	0.14%	0.019%
40	21.378	3111	3113	3118	rVB4	2301	2698	0.21%	0.028%
41	21.742	3169	3175	3192	rBV2	364866	671039	53.34%	6.959%
42	22.330	3274	3275	3278	rBV3	2583	2570	0.20%	0.027%
43	22.553	3307	3313	3315	rVV5	5137	8721	0.69%	0.090%
44	22.747	3344	3346	3351	rBV6	1820	2503	0.20%	0.026%
45	22.782	3351	3352	3354	rBV2	2644	1630	0.13%	0.017%
46	22.888	3368	3370	3372	rBV3	2641	2131	0.17%	0.022%
47	23.170	3417	3418	3420	rBV2	2764	2155	0.17%	0.022%
48	23.240	3426	3430	3432	rBV4	10926	15484	1.23%	0.161%
49	23.434	3461	3463	3465	rBV3	3160	2074	0.16%	0.022%
50	23.522	3477	3478	3480	rBV2	2264	1656	0.13%	0.017%
51	23.575	3483	3487	3488	rBV4	2956	3227	0.26%	0.033%
52	24.063	3564	3570	3577	rBV4	15089	34010	2.70%	0.353%
53	24.703	3677	3679	3680	rBV2	2760	2351	0.19%	0.024%
54	24.774	3680	3691	3707	rVV	432098	1257931	100.00%	13.044%
55	24.997	3718	3729	3744	rBV	256108	766953	60.97%	7.953%
56	25.179	3758	3760	3763	rBV4	1840	1997	0.16%	0.021%
57	25.408	3797	3799	3801	rBV2	1943	1582	0.13%	0.016%
58	25.737	3854	3855	3859	rVB4	2248	1993	0.16%	0.021%
59	25.802	3864	3866	3868	rVB3	2511	1629	0.13%	0.017%
60	25.937	3887	3889	3891	rBV3	2030	1721	0.14%	0.018%
61	25.990	3896	3898	3899	rBV2	3575	1949	0.15%	0.020%
62	26.184	3921	3931	3938	rBV6	15815	54028	4.29%	0.560%
63	26.372	3962	3963	3966	rBV3	2452	2938	0.23%	0.030%
64	26.578	3996	3998	4001	rBV4	1958	1685	0.13%	0.017%
65	27.124	4090	4091	4094	rVB2	2834	2047	0.16%	0.021%
66	27.300	4120	4121	4124	rBV3	2181	1358	0.11%	0.014%
67	27.518	4156	4158	4159	rBV2	4083	2914	0.23%	0.030%
68	27.559	4159	4165	4166	rBV5	12597	19500	1.55%	0.202%
69	27.735	4193	4195	4200	rVB5	1768	1873	0.15%	0.019%
70	27.776	4200	4202	4203	rVB2	2297	1461	0.12%	0.015%
71	27.794	4203	4205	4206	rBV2	1666	1419	0.11%	0.015%
72	27.999	4238	4240	4242	rVB2	2443	2008	0.16%	0.021%
73	28.229	4278	4279	4281	rBV2	1959	1951	0.16%	0.020%
74	28.558	4333	4335	4338	rBV4	2321	2420	0.19%	0.025%
75	28.804	4373	4377	4379	rBV5	2120	2891	0.23%	0.030%
76	28.846	4382	4384	4386	rBV2	1970	1558	0.12%	0.016%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064884.D
Acq On : 26 Nov 2025 11:35
Operator : RC/JU
Sample : PB170723BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK723

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	28.945	4400	4401	4403	rBV2	2377	2002	0.16%	0.021%
78	29.045	4416	4418	4424	rVB6	2657	3196	0.25%	0.033%
79	29.104	4426	4428	4429	rBV2	2273	1899	0.15%	0.020%
80	29.222	4443	4448	4449	rBV4	6475	10155	0.81%	0.105%
81	29.427	4479	4483	4485	rBV4	2675	2380	0.19%	0.025%
82	29.445	4485	4486	4489	rBV3	1989	1499	0.12%	0.016%
83	29.762	4538	4540	4541	rBV2	1944	1605	0.13%	0.017%
84	29.838	4551	4553	4555	rBV3	2462	2276	0.18%	0.024%
85	29.991	4578	4579	4583	rBV4	2134	2875	0.23%	0.030%
86	30.044	4586	4588	4589	rVB2	2179	1469	0.12%	0.015%
87	30.262	4624	4625	4627	rBV2	3440	2345	0.19%	0.024%
88	30.403	4647	4649	4650	rBV2	2089	2054	0.16%	0.021%
89	30.661	4691	4693	4695	rBV3	2258	1920	0.15%	0.020%
90	30.978	4745	4747	4748	rBV2	2298	1517	0.12%	0.016%
91	31.072	4761	4763	4764	rBV2	2141	1591	0.13%	0.016%
92	31.243	4789	4792	4793	rBV3	3360	3180	0.25%	0.033%
93	31.337	4806	4808	4810	rVB2	2320	1620	0.13%	0.017%
94	31.372	4812	4814	4819	rBV6	2817	5279	0.42%	0.055%
95	31.648	4859	4861	4864	rVV4	2496	1550	0.12%	0.016%
96	31.701	4868	4870	4871	rBV2	2018	1669	0.13%	0.017%
97	31.777	4882	4883	4886	rBV3	2005	1438	0.11%	0.015%
98	31.918	4903	4907	4908	rBV2	2969	3932	0.31%	0.041%
99	32.253	4962	4964	4965	rBV2	2086	1488	0.12%	0.015%
100	32.535	5010	5012	5013	rBV2	2122	1680	0.13%	0.017%

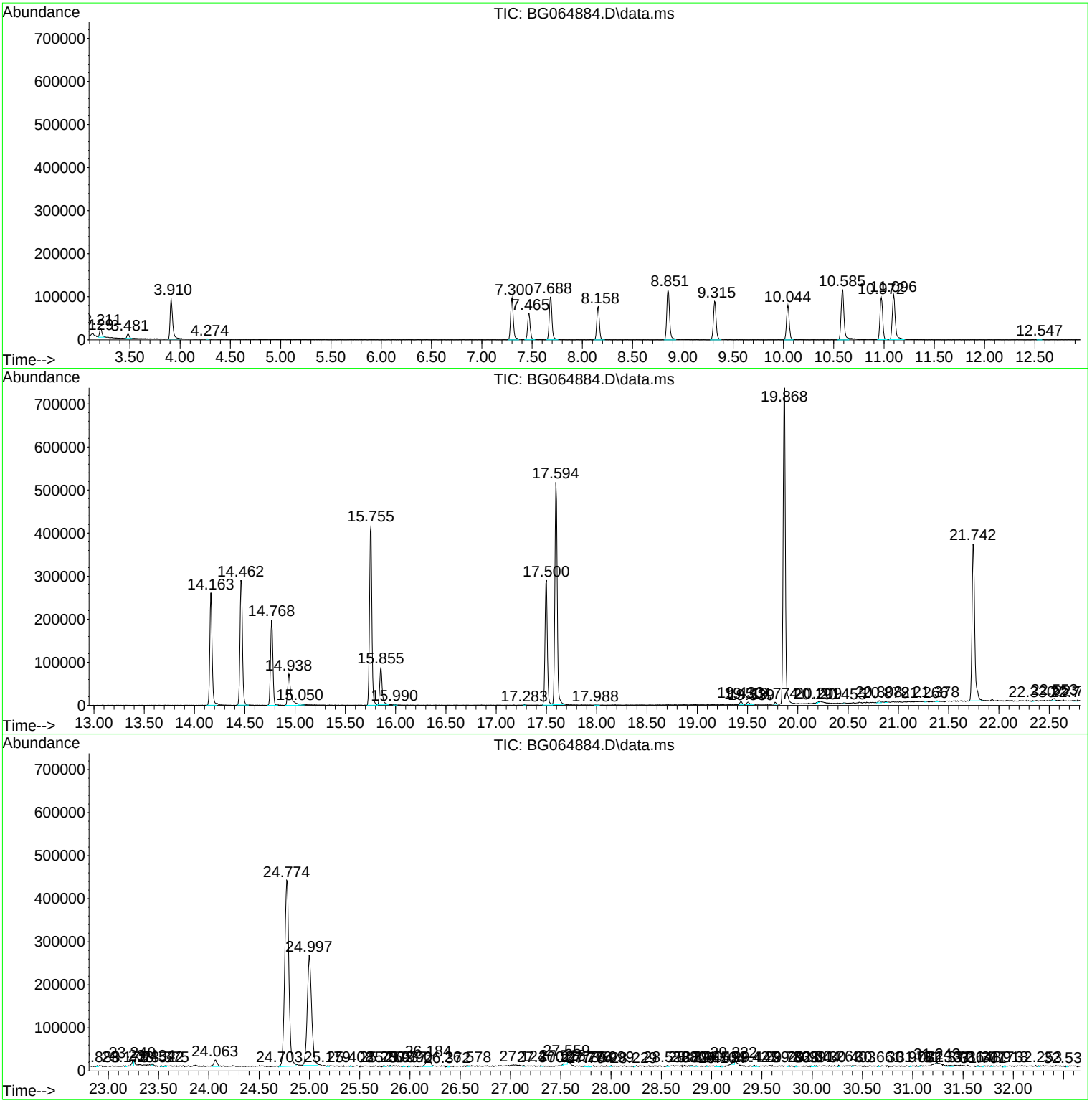
Sum of corrected areas: 9643415

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064884.D
Acq On : 26 Nov 2025 11:35
Operator : RC/JU
Sample : PB170723BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



1006

Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064884.D
Acq On : 26 Nov 2025 11:35
Operator : RC/JU
Sample : PB170723BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064884.D
Acq On : 26 Nov 2025 11:35
Operator : RC/JU
Sample : PB170723BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK741

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170741BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064891.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK741

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170741BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064891.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
Extract Concentrated : (Y/N) N
Date Analyzed : 11/26/2025
Soil Aliquot (VOA) : (µL)
Extract Volume : 1000 (µL)
Heated Purge : (Y/N)
Extraction Type : CONH
Purge Volume : (mL)
Injection Volume : 1.0 (µL)
Cleanup Types :
pH : Dilution Factor : 1.0
Concentration Units (µg/L,µg/kg): µg/L
Cleanup Factor : 1.0

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	E966796	Total Alkanes	N/A	0.0	

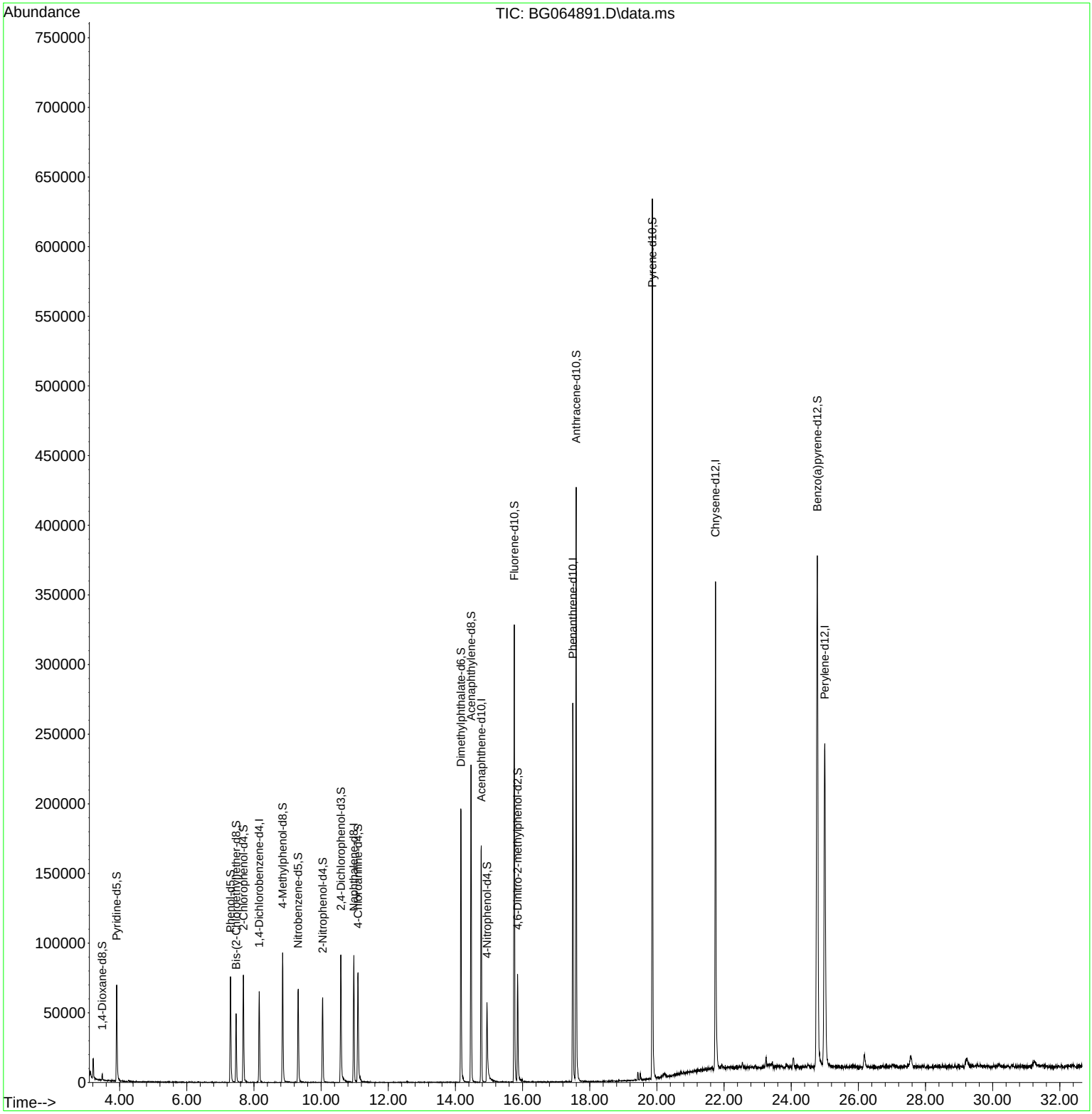
EPA-designated Registry Number.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 01 11:28:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



1011

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:28:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	20793	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	76309	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	70439	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	193595	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	266568	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	297654	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	2248m	4.285	ng/uL	0.00
4) Pyridine-d5	3.913	84	33771	23.364	ng/ul	0.00
7) Phenol-d5	7.303	99	44892	26.782	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	25303	23.603	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	39375	30.986	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	36933	25.565	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	17684	30.725	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	21442	31.365	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	42213	29.949	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	48054	26.673	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	164007	29.600	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	173109	29.173	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	21138m	25.164	ng/ul	0.00
60) Fluorene-d10	15.752	176	152663	30.691	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	25429	20.516	ng/ul	0.00
73) Anthracene-d10	17.597	188	288896	29.533	ng/ul	0.00
81) Pyrene-d10	19.865	212	413972	30.233	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	494627	31.497	ng/ul	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK741

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG064891.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.125	3	6	13	rVB2	4542	7352	0.68%	0.092%
2	3.214	16	21	25	rBV2	14072	22045	2.04%	0.276%
3	3.484	63	67	70	rVV3	4271	5252	0.49%	0.066%
4	3.913	132	140	149	rBV	69462	118955	11.02%	1.488%
5	4.265	195	200	204	rVB4	1112	1662	0.15%	0.021%
6	7.303	710	717	729	rBV	75751	139971	12.97%	1.751%
7	7.467	739	745	756	rBV	49238	83899	7.78%	1.049%
8	7.685	775	782	798	rBV	77226	142128	13.17%	1.778%
9	8.155	855	862	869	rBV	65163	113698	10.54%	1.422%
10	8.854	974	981	993	rBV2	93223	172422	15.98%	2.156%
11	9.318	1053	1060	1071	rBV	67009	132545	12.28%	1.658%
12	10.047	1177	1184	1194	rBV	60825	117029	10.85%	1.464%
13	10.587	1269	1276	1288	rBV	91446	180400	16.72%	2.256%
14	10.975	1334	1342	1351	rBV	91357	163899	15.19%	2.050%
15	11.098	1355	1363	1373	rVV	78425	163552	15.16%	2.045%
16	11.163	1373	1374	1381	rVB2	3377	3813	0.35%	0.048%
17	14.160	1877	1884	1896	rBV	196351	323094	29.94%	4.041%
18	14.465	1927	1936	1946	rBV2	227839	376547	34.90%	4.709%
19	14.771	1980	1988	1997	rBV	170026	283499	26.27%	3.546%
20	14.941	2011	2017	2032	rBV2	56853	124773	11.56%	1.560%
21	15.752	2149	2155	2167	rBV	328498	525470	48.70%	6.572%
22	15.852	2167	2172	2185	rVV	77186	133038	12.33%	1.664%
23	15.934	2185	2186	2189	rVV	1541	1585	0.15%	0.020%
24	15.963	2189	2191	2193	rVV2	1523	1426	0.13%	0.018%
25	15.987	2193	2195	2199	rVB3	1693	1605	0.15%	0.020%
26	17.291	2411	2417	2419	rBV2	850	1355	0.13%	0.017%
27	17.497	2446	2452	2462	rBV2	271763	425138	39.40%	5.317%
28	17.597	2462	2469	2482	rVB	425122	661239	61.28%	8.270%
29	19.436	2777	2782	2786	rBV4	5823	8829	0.82%	0.110%
30	19.506	2789	2794	2798	rVV2	5208	7621	0.71%	0.095%
31	19.865	2848	2855	2872	rBV	632303	948435	87.90%	11.862%
32	20.006	2875	2879	2881	rBV3	1248	2058	0.19%	0.026%
33	20.335	2933	2935	2938	rBV3	1197	1385	0.13%	0.017%
34	20.387	2942	2944	2947	rBV3	1499	1633	0.15%	0.020%
35	20.464	2954	2957	2958	rBV3	1268	1280	0.12%	0.016%
36	20.552	2970	2972	2973	rBV2	1848	1581	0.15%	0.020%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK741

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

37	20.605	2977	2981	2982	rVV3	1942	1747	0.16%	0.022%
38	20.699	2993	2997	2999	rBV4	2107	2352	0.22%	0.029%
39	20.717	2999	3000	3003	rVV3	2165	1628	0.15%	0.020%
40	20.863	3022	3025	3027	rBV4	1653	2036	0.19%	0.025%
41	21.239	3087	3089	3095	rBV5	1240	1362	0.13%	0.017%
42	21.498	3131	3133	3134	rBV2	2253	1879	0.17%	0.024%
43	21.633	3152	3156	3159	rBV6	1982	3231	0.30%	0.040%
44	21.745	3168	3175	3191	rBV	349645	636615	59.00%	7.962%
45	21.903	3200	3202	3204	rBV3	2101	2194	0.20%	0.027%
46	22.039	3223	3225	3226	rVB2	2965	1612	0.15%	0.020%
47	22.326	3270	3274	3275	rBV3	1856	1871	0.17%	0.023%
48	22.385	3282	3284	3285	rVB2	3682	1818	0.17%	0.023%
49	22.403	3285	3287	3291	rBV5	2498	3919	0.36%	0.049%
50	22.438	3291	3293	3295	rBV2	1921	1728	0.16%	0.022%
51	22.937	3371	3378	3380	rVB7	2814	5153	0.48%	0.064%
52	23.255	3426	3432	3436	rBV8	7054	12211	1.13%	0.153%
53	23.478	3468	3470	3473	rVB4	2253	2336	0.22%	0.029%
54	24.066	3563	3570	3575	rBV6	7407	18824	1.74%	0.235%
55	24.160	3584	3586	3587	rVV2	2172	1346	0.12%	0.017%
56	24.177	3587	3589	3591	rVV3	2261	1764	0.16%	0.022%
57	24.201	3591	3593	3600	rVB8	2346	3817	0.35%	0.048%
58	24.353	3617	3619	3623	rBV5	1965	2304	0.21%	0.029%
59	24.688	3675	3676	3678	rBV2	2556	2339	0.22%	0.029%
60	24.776	3680	3691	3711	rVV	367348	1079026	100.00%	13.495%
61	25.000	3717	3729	3742	rBV	230651	702101	65.07%	8.781%
62	25.517	3816	3817	3818	rBV	2516	1607	0.15%	0.020%
63	25.564	3823	3825	3828	rBV4	1933	2266	0.21%	0.028%
64	25.628	3834	3836	3837	rBV2	2067	1756	0.16%	0.022%
65	26.010	3900	3901	3903	rBV2	2133	1707	0.16%	0.021%
66	26.122	3918	3920	3922	rBV3	2418	2954	0.27%	0.037%
67	26.169	3923	3928	3930	rBV5	8323	12751	1.18%	0.159%
68	26.486	3980	3982	3984	rBV3	2896	2699	0.25%	0.034%
69	26.839	4041	4042	4044	rVB2	2574	1279	0.12%	0.016%
70	26.898	4051	4052	4054	rBV2	2297	2044	0.19%	0.026%
71	27.003	4069	4070	4072	rBV2	2301	2077	0.19%	0.026%
72	27.227	4106	4108	4111	rBV4	1778	2018	0.19%	0.025%
73	27.532	4158	4160	4161	rBV2	2555	2494	0.23%	0.031%
74	27.561	4161	4165	4168	rVV4	4347	8936	0.83%	0.112%
75	27.761	4197	4199	4202	rBV4	2415	1745	0.16%	0.022%
76	28.049	4246	4248	4249	rBV2	1860	1395	0.13%	0.017%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK741

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Title : SVOA CALIBRATION

77	28.496	4322	4324	4326	rBV3	2245	1530	0.14%	0.019%
78	28.584	4337	4339	4342	rVB4	2082	1547	0.14%	0.019%
79	28.643	4347	4349	4350	rBV2	2579	1372	0.13%	0.017%
80	28.695	4357	4358	4360	rBV2	2991	1885	0.17%	0.024%
81	28.954	4399	4402	4403	rBV3	2022	2015	0.19%	0.025%
82	29.054	4414	4419	4421	rBV6	2723	5308	0.49%	0.066%
83	29.177	4438	4440	4441	rBV2	2202	1748	0.16%	0.022%
84	29.218	4445	4447	4448	rVV2	2624	1832	0.17%	0.023%
85	29.342	4466	4468	4469	rBV2	2387	1877	0.17%	0.023%
86	29.389	4474	4476	4479	rBV4	2109	2649	0.25%	0.033%
87	29.718	4530	4532	4534	rBV3	2176	2576	0.24%	0.032%
88	30.158	4605	4607	4610	rBV3	2704	1714	0.16%	0.021%
89	30.341	4636	4638	4641	rVB4	1798	1667	0.15%	0.021%
90	30.775	4710	4712	4714	rBV3	1897	1783	0.17%	0.022%
91	30.910	4734	4735	4737	rBV3	2102	1734	0.16%	0.022%
92	30.946	4739	4741	4742	rBV2	2568	1508	0.14%	0.019%
93	31.028	4753	4755	4757	rVB3	2118	1402	0.13%	0.018%
94	31.134	4772	4773	4776	rVB2	2735	2794	0.26%	0.035%
95	31.563	4843	4846	4848	rBV4	3742	4566	0.42%	0.057%
96	31.757	4876	4879	4881	rBV4	2377	2581	0.24%	0.032%
97	31.815	4888	4889	4892	rBV3	2959	3514	0.33%	0.044%
98	32.238	4959	4961	4962	rVB2	2593	1340	0.12%	0.017%
99	32.256	4962	4964	4967	rBV3	1886	2043	0.19%	0.026%
100	32.526	5008	5010	5011	rBV2	1653	1584	0.15%	0.020%

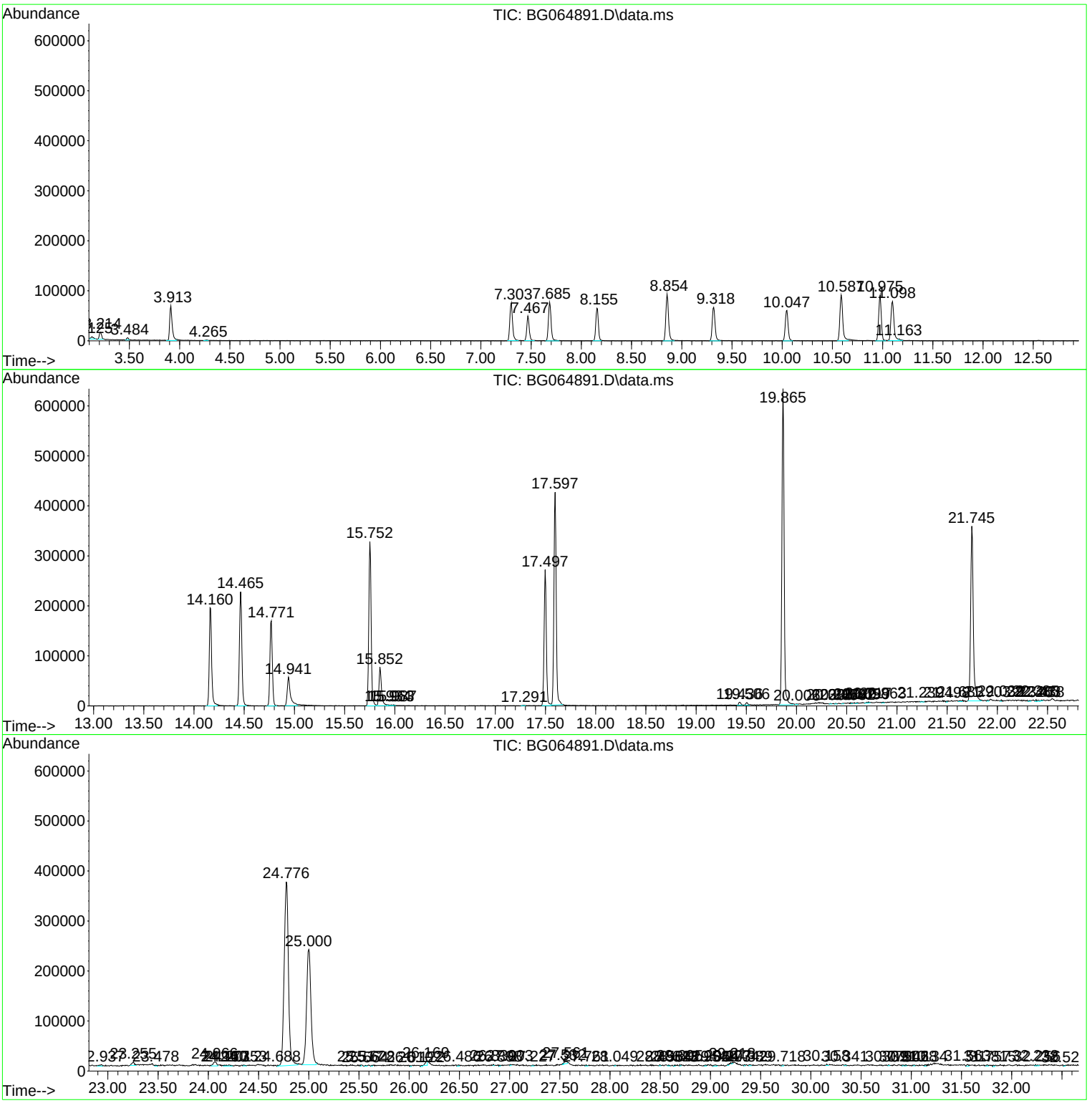
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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK741

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



1016

Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK741

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SBLK741

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

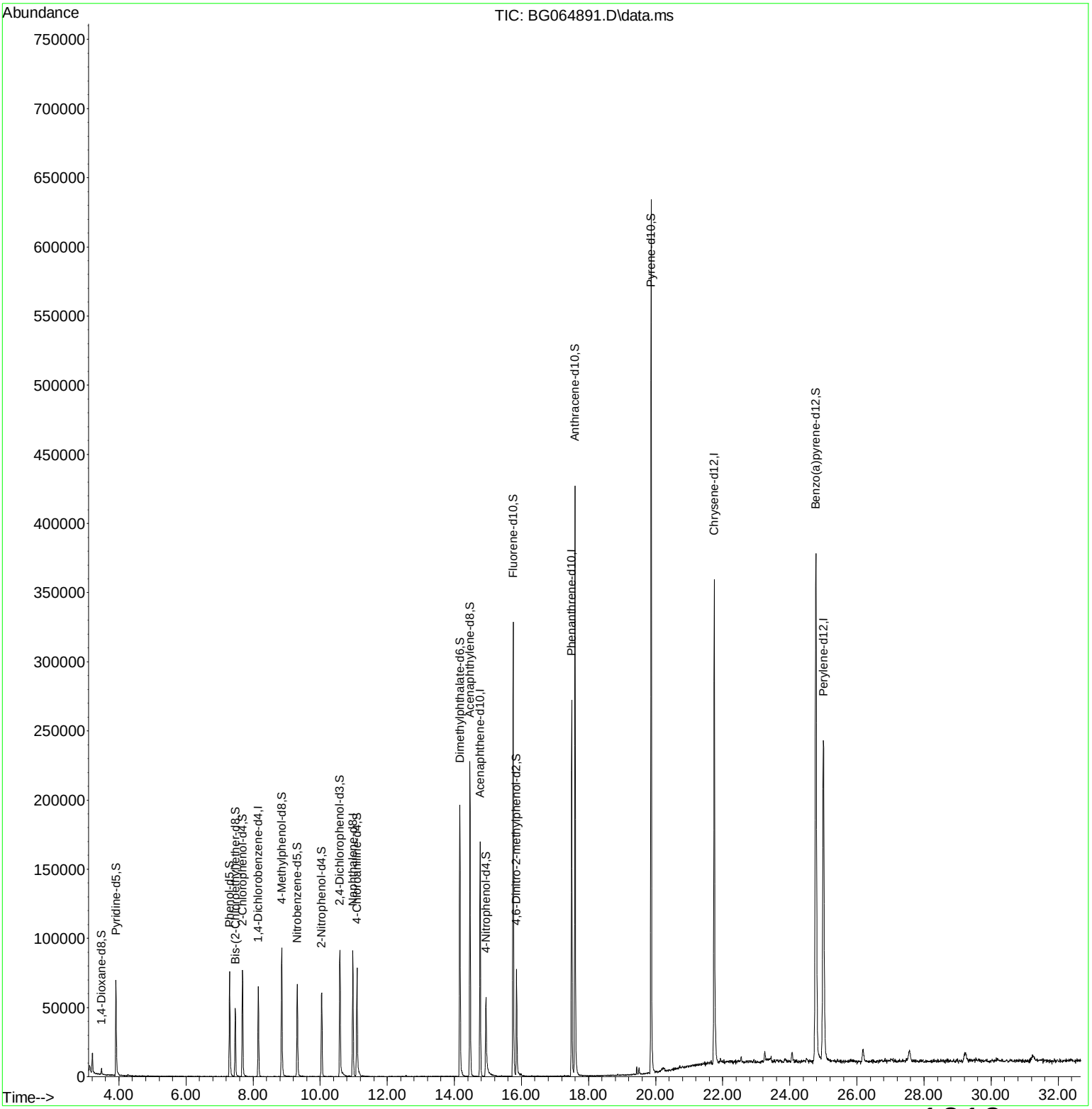
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TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 01 11:28:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



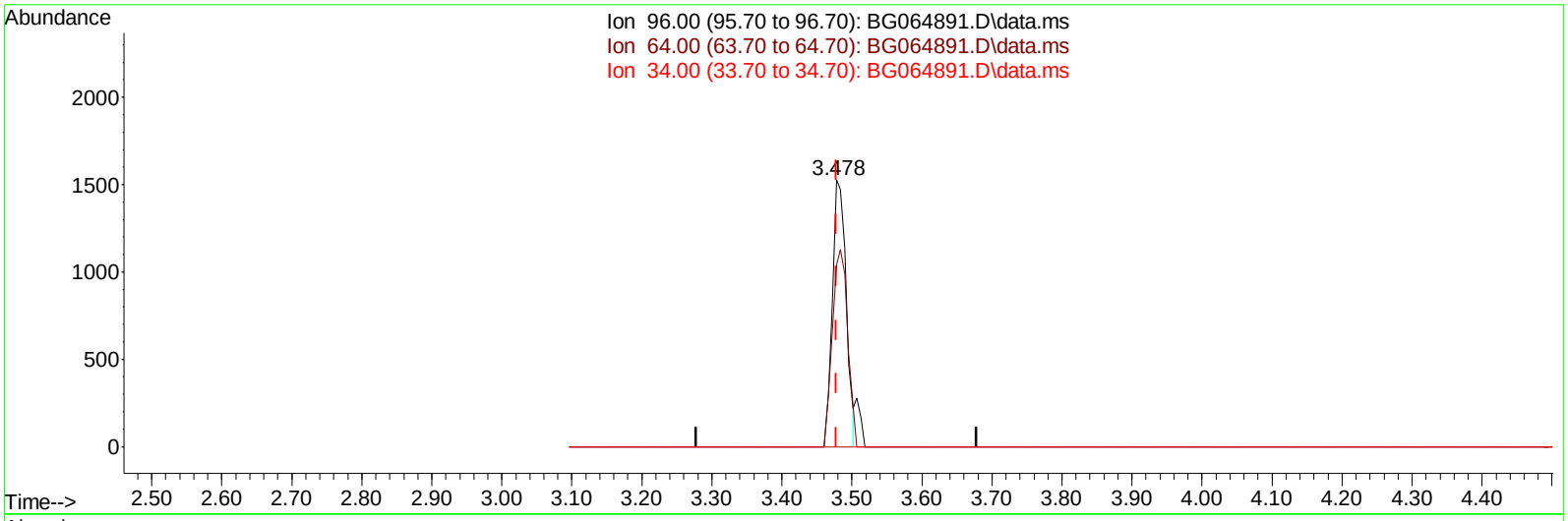
Quantitation Report (Qedit)

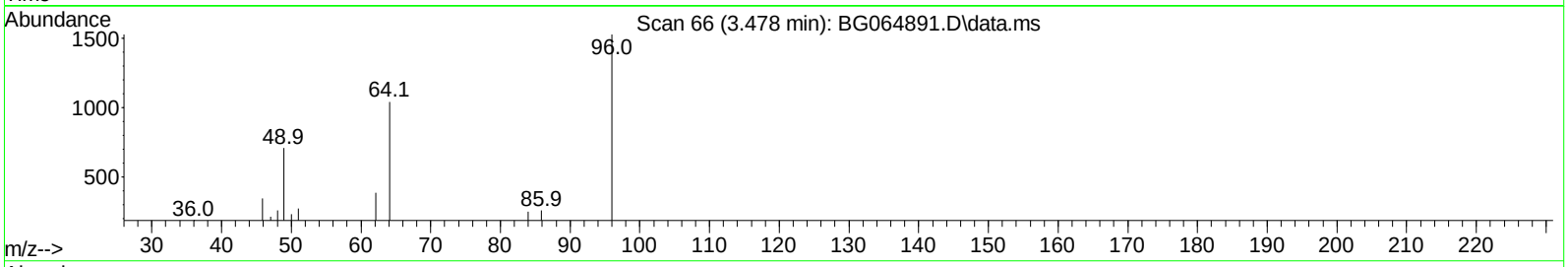
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

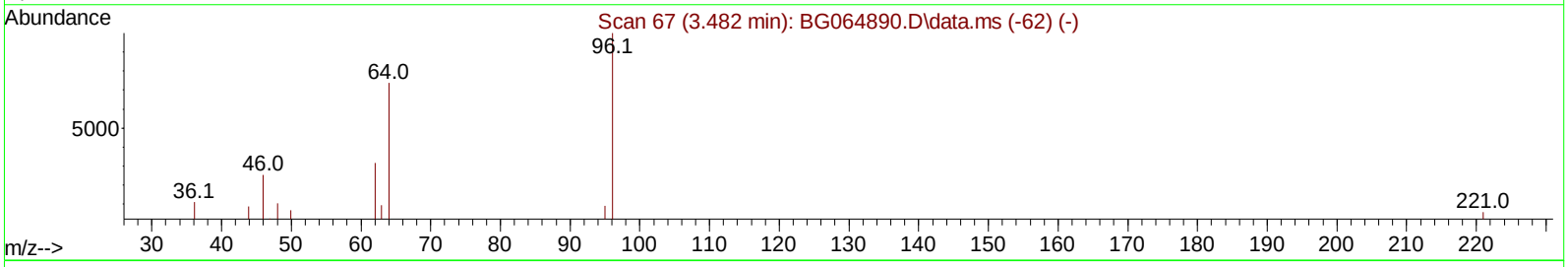
Quant Time: Nov 26 17:25:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064891.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.478min (-0.000) 3.99 ng/uL

response 2094

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	92.60	68.26#
34.00	0.00	0.00
0.00	0.00	0.00

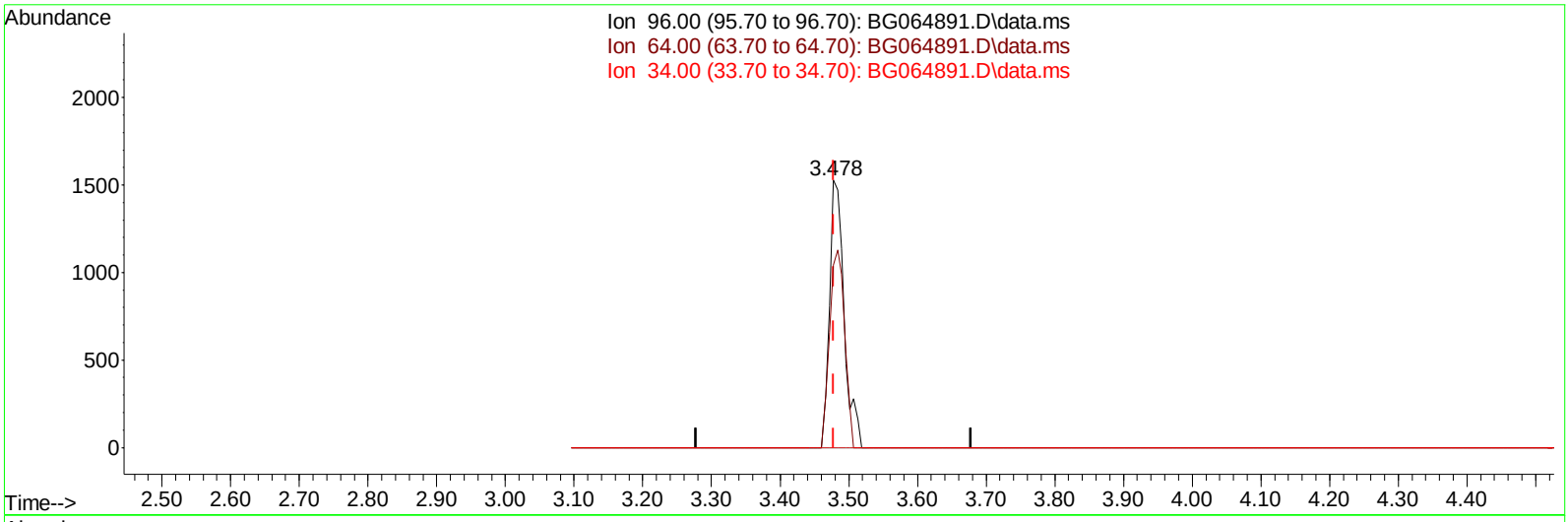
Quantitation Report (Qedit)

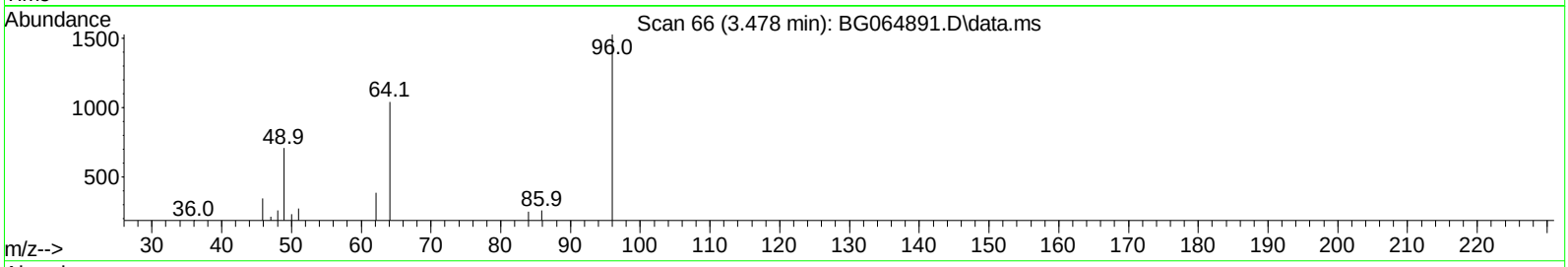
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

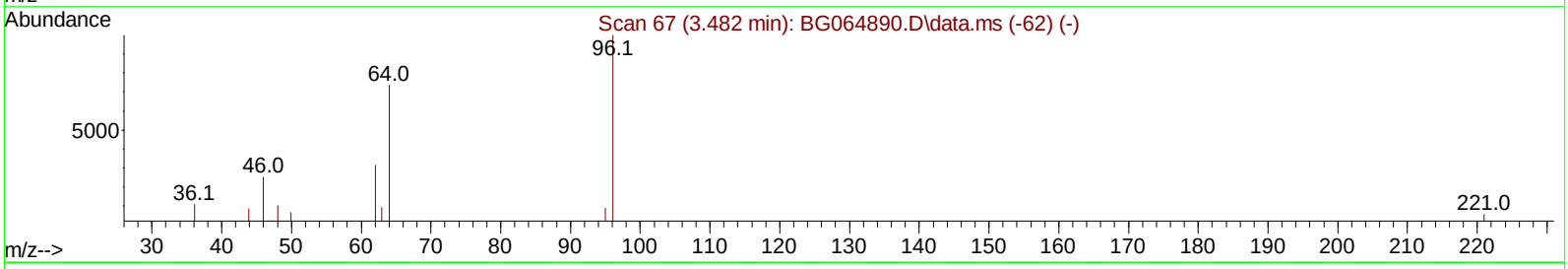
Quant Time: Nov 26 17:25:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064891.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.478min (-0.000) 4.29 ng/uL m

response 2248

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	92.60	68.26#
34.00	0.00	0.00
0.00	0.00	0.00

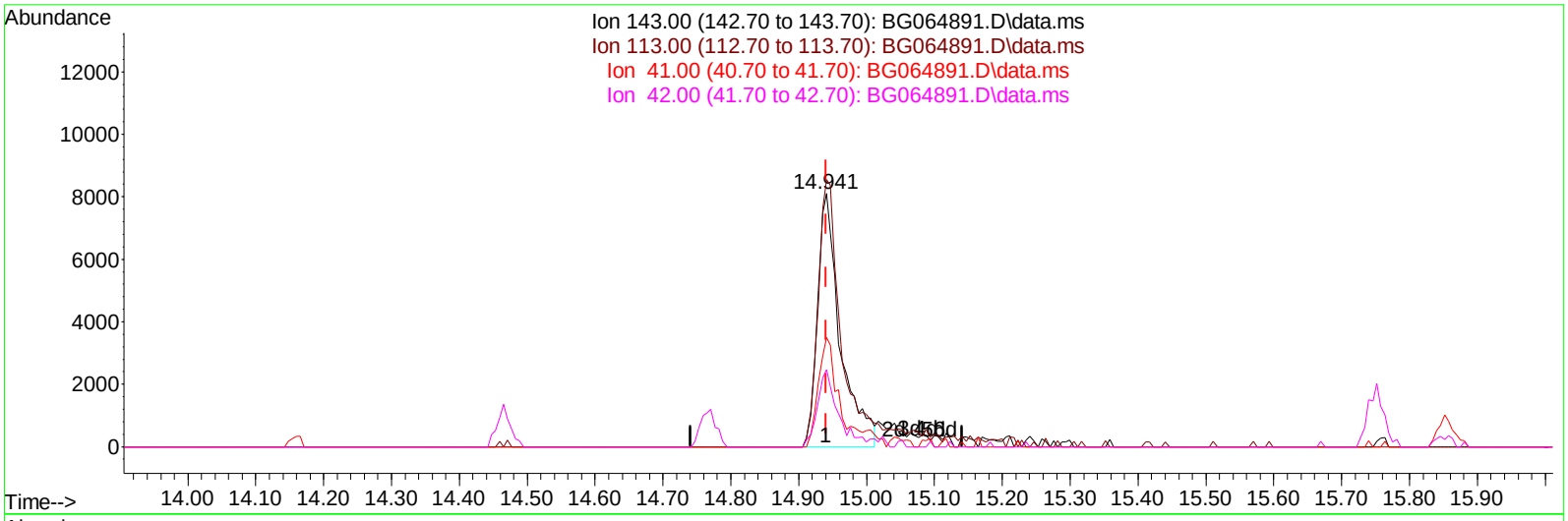
Quantitation Report (Qedit)

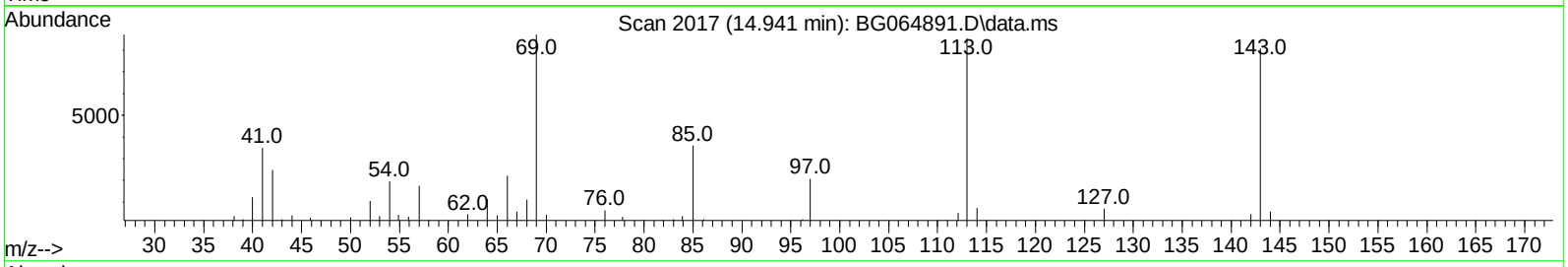
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Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

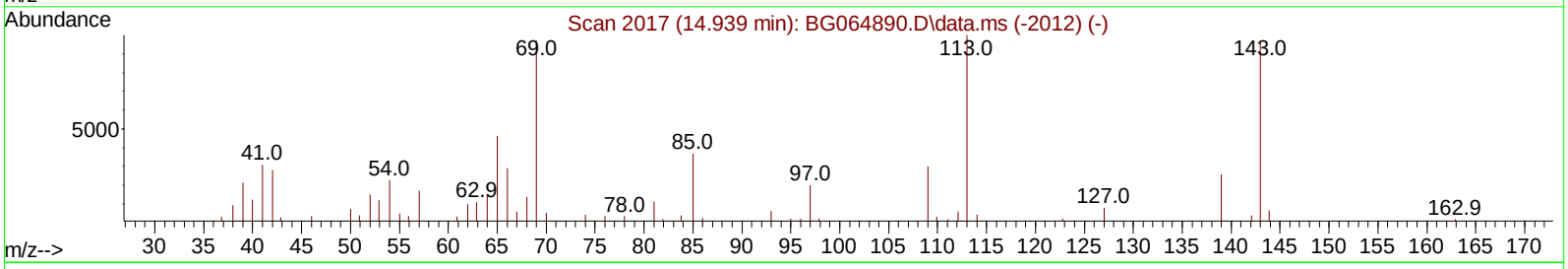
Quant Time: Nov 26 17:25:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK741

Manual Integrations APPROVED
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TIC: BG064891.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 22.38 ng/ul

response 18802

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	105.50
41.00	40.40	43.27
42.00	23.60	30.58#

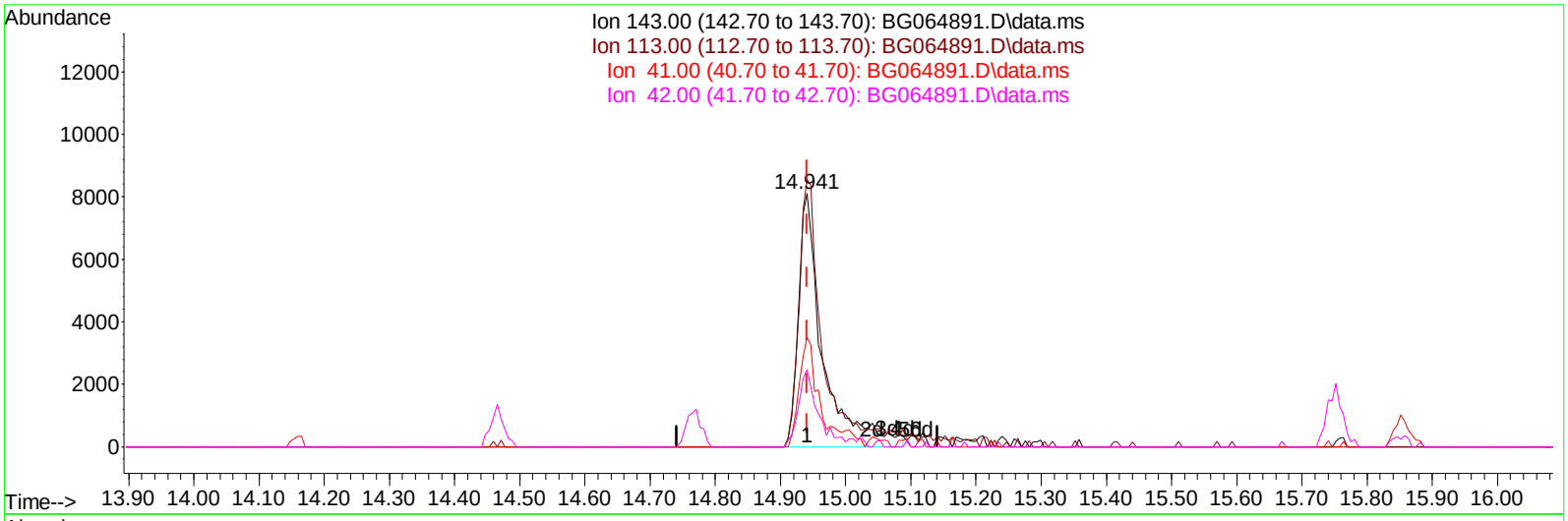
Quantitation Report (Qedit)

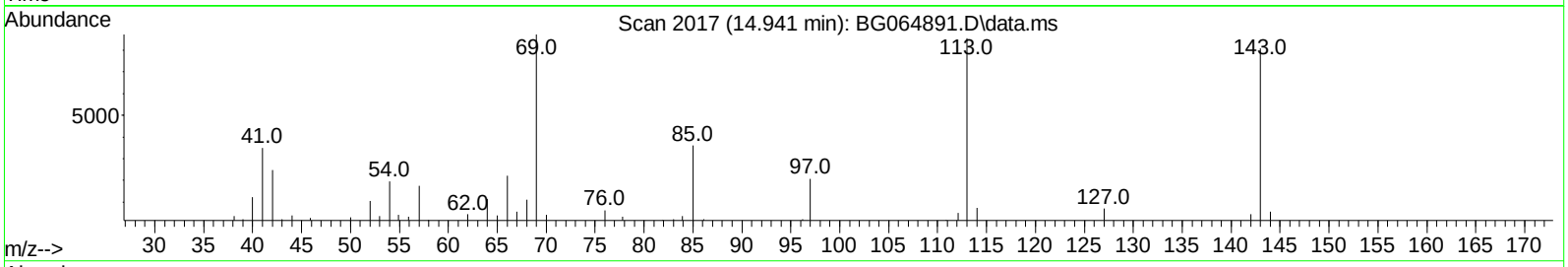
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Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

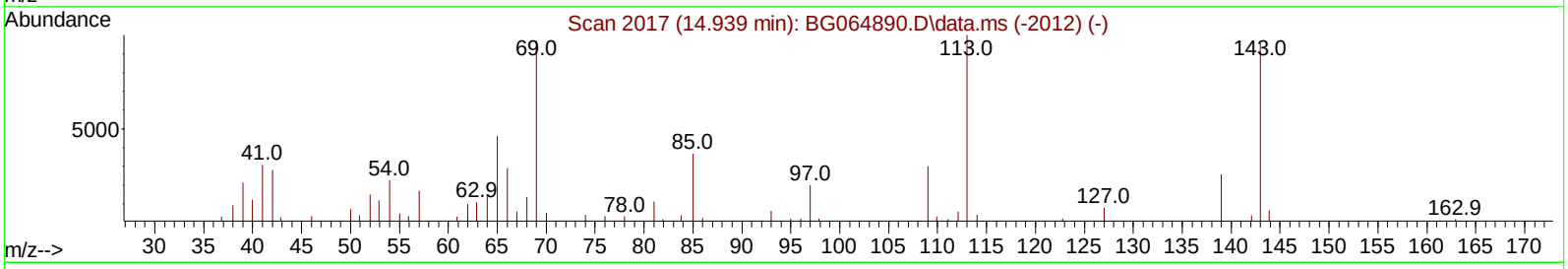
Quant Time: Nov 26 17:25:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK741

Manual Integrations APPROVED
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TIC: BG064891.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.941min (+ 0.000) 25.16 ng/ul m

response 21138

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	90.10	105.50
41.00	40.40	43.27
42.00	23.60	30.58#

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064891.D
Acq On : 26 Nov 2025 16:23
Operator : RC/JU
Sample : PB170741BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 01 11:28:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SBLK741

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	20793	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	76309	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	70439	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	193595	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	266568	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	297654	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	2248m	4.285	ng/uL	0.00
4) Pyridine-d5	3.913	84	33771	23.364	ng/ul	0.00
7) Phenol-d5	7.303	99	44892	26.782	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	25303	23.603	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	39375	30.986	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	36933	25.565	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	17684	30.725	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	21442	31.365	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	42213	29.949	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	48054	26.673	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	164007	29.600	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	173109	29.173	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	21138m	25.164	ng/ul	0.00
60) Fluorene-d10	15.752	176	152663	30.691	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	25429	20.516	ng/ul	0.00
73) Anthracene-d10	17.597	188	288896	29.533	ng/ul	0.00
81) Pyrene-d10	19.865	212	413972	30.233	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	494627	31.497	ng/ul	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMS

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-02MS
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BG064860.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	34	
117-81-7	Bis(2-ethylhexyl)phthalate	33	

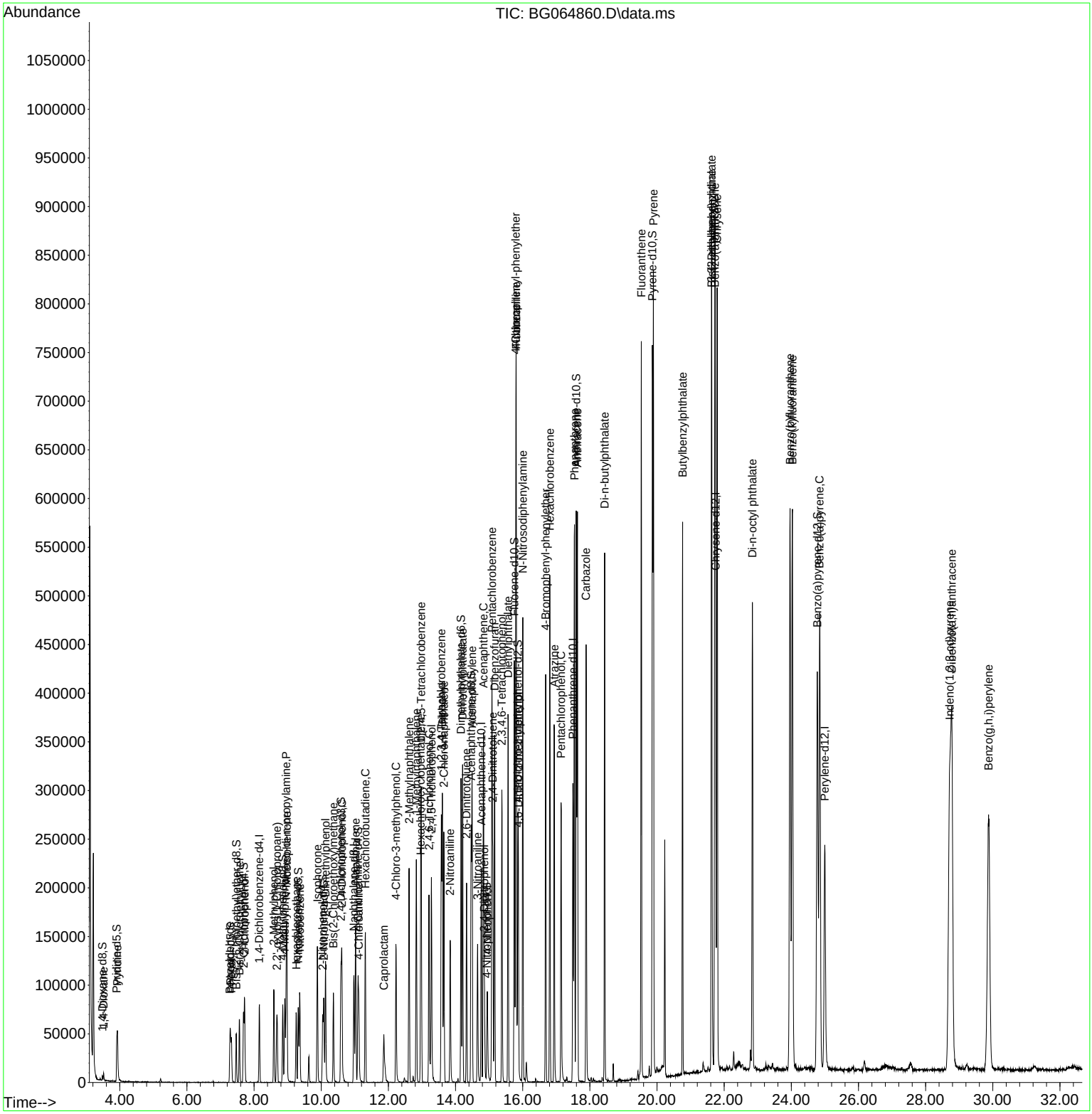
Quantitation Report (QT Reviewed)

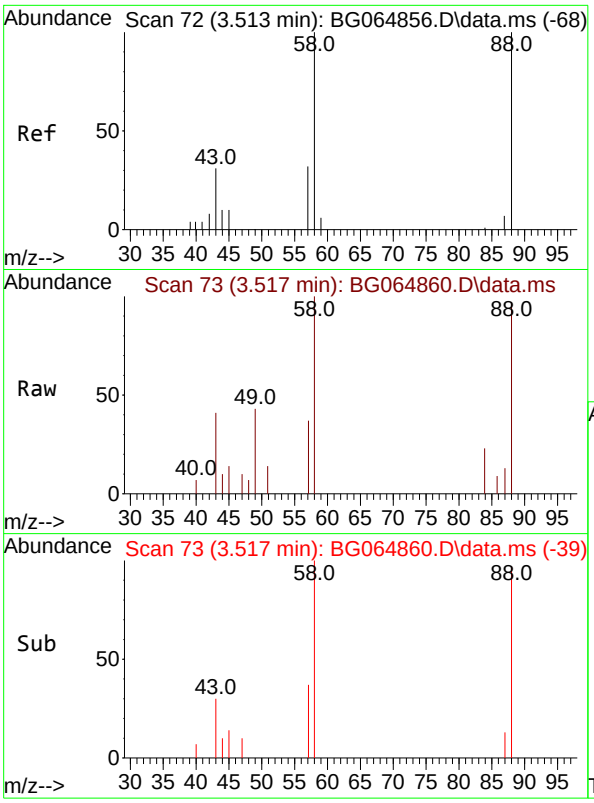
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 17:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMS

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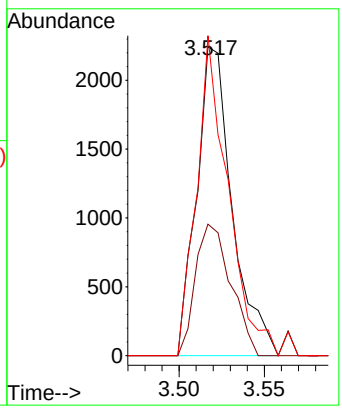




#2
1,4-Dioxane
Concen: 4.739 ng/uL
RT: 3.517 min Scan# 73
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

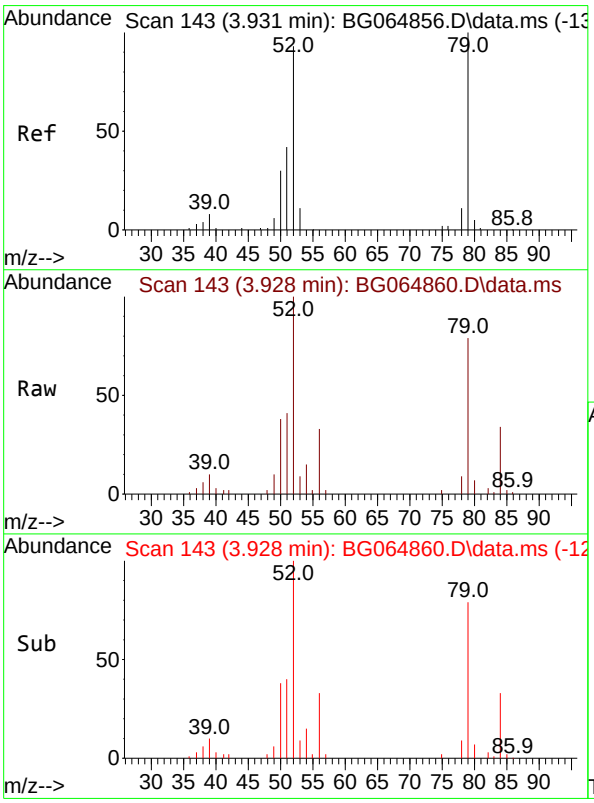
Tgt Ion: 88 Resp: 3260

Ion	Ratio	Lower	Upper
88	100		
43	42.6	29.6	44.4
58	103.6	87.8	131.6



Instrument :
BNA_G
ClientSampleId :
M-31SMS

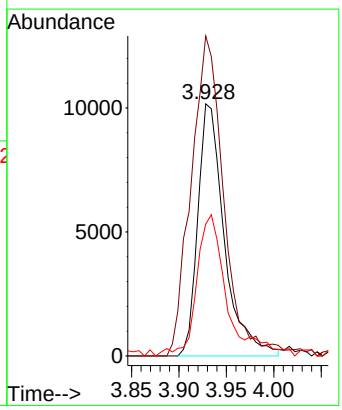
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

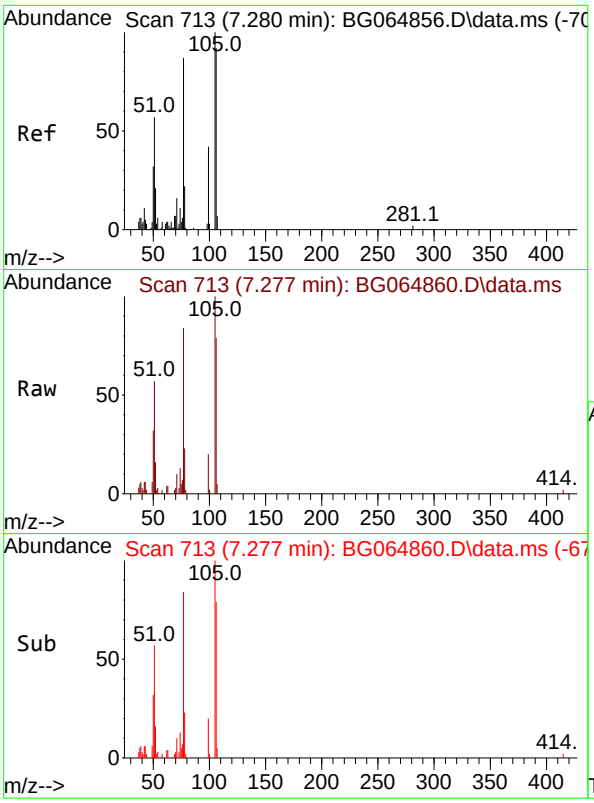


#5
Pyridine
Concen: 11.022 ng/ul
RT: 3.928 min Scan# 143
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion: 79 Resp: 19774

Ion	Ratio	Lower	Upper
79	100		
52	126.9	88.0	132.0
51	52.3	38.2	57.4

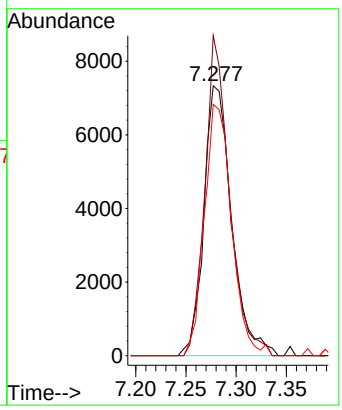




#6
Benzaldehyde
Concen: 15.070 ng/ul
RT: 7.277 min Scan# 713
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

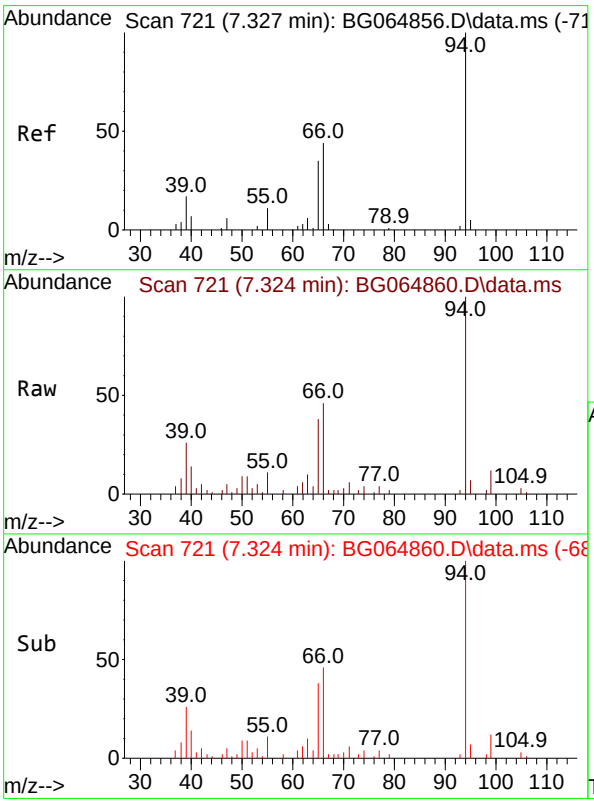
Tgt Ion: 77 Resp: 14064

Ion	Ratio	Lower	Upper
77	100		
105	118.5	75.9	113.9#
106	93.1	74.3	111.5



Instrument :
BNA_G
ClientSampleId :
M-31SMS

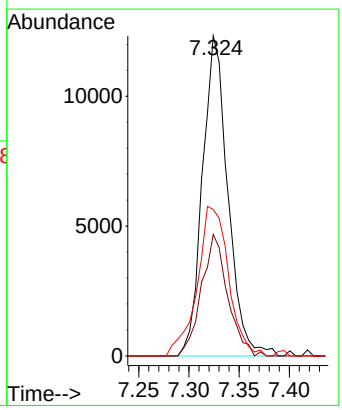
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

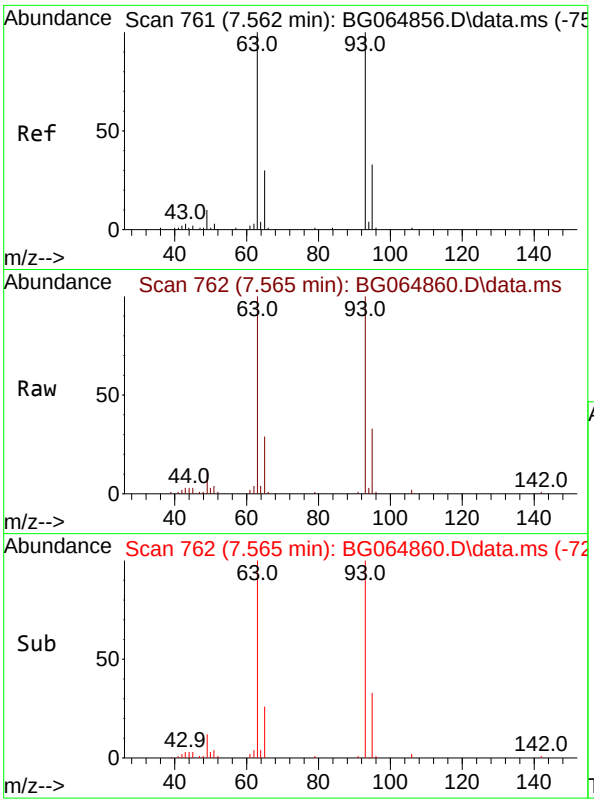


#8
Phenol
Concen: 10.967 ng/ul
RT: 7.324 min Scan# 721
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion: 94 Resp: 21754

Ion	Ratio	Lower	Upper
94	100		
65	38.0	27.5	41.3
66	45.8	38.5	57.7

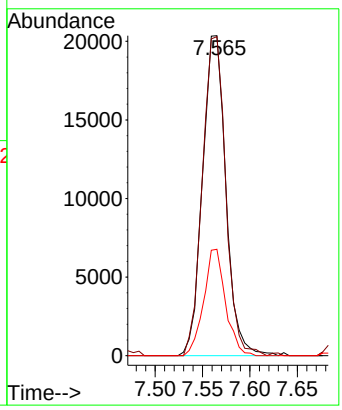




#10
Bis(2-Chloroethyl)ether
Concen: 23.758 ng/ul
RT: 7.565 min Scan# 762
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

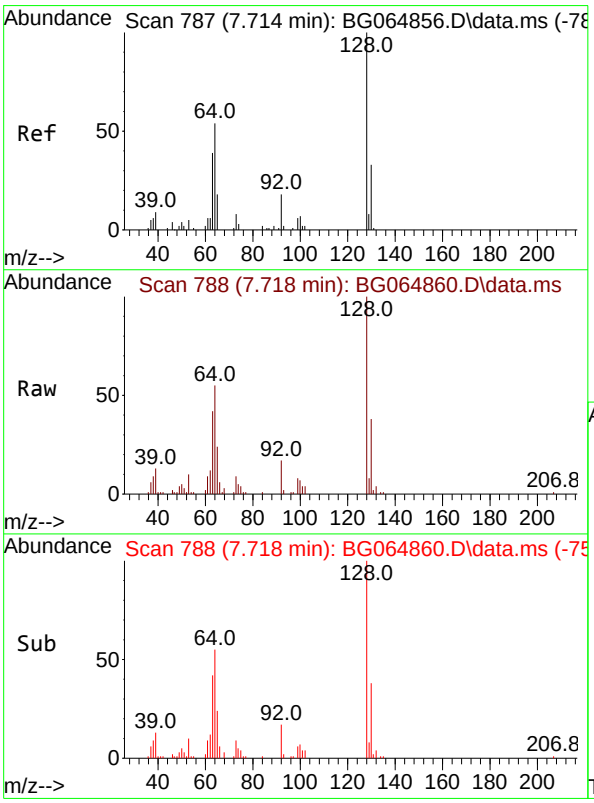
Tgt Ion: 93 Resp: 34850

Ion	Ratio	Lower	Upper
93	100		
63	99.7	81.4	122.2
95	33.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
M-31SMS

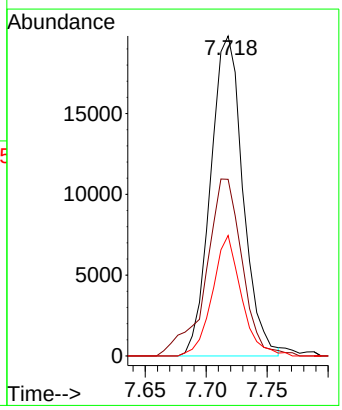
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

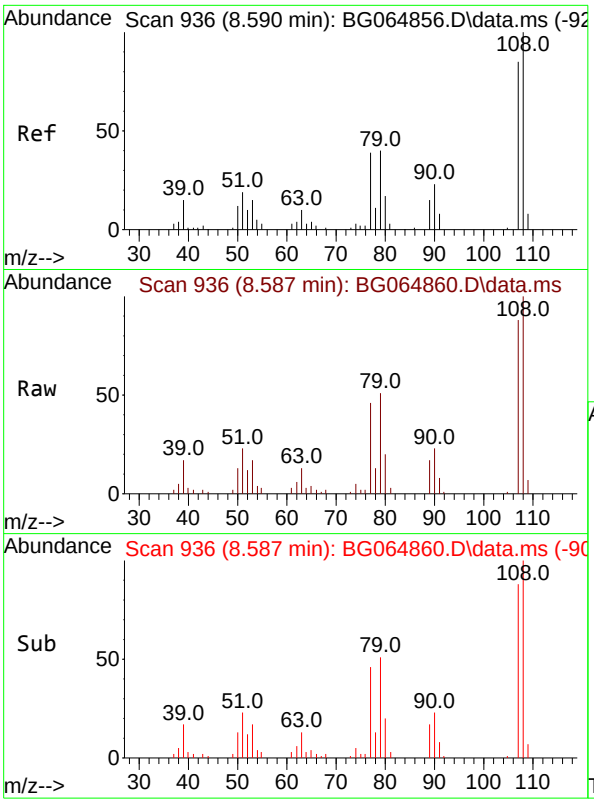


#12
2-Chlorophenol
Concen: 23.987 ng/ul
RT: 7.718 min Scan# 788
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:128 Resp: 36595

Ion	Ratio	Lower	Upper
128	100		
64	55.2	45.0	67.4
130	37.7	24.3	36.5#

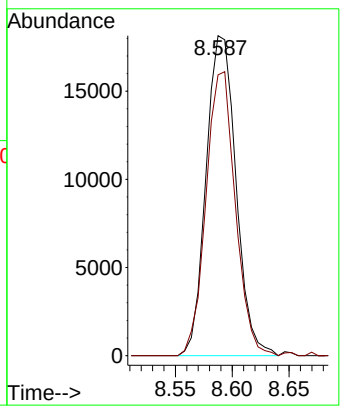


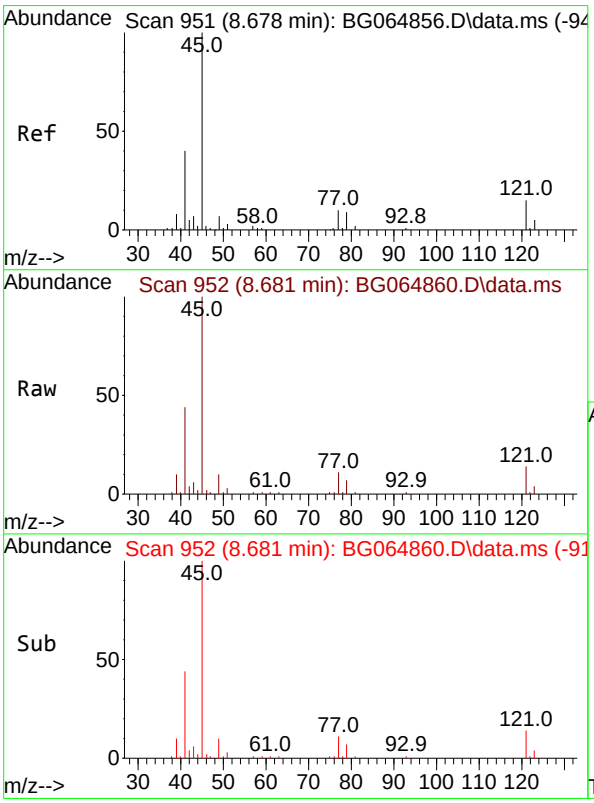


#13
2-Methylphenol
Concen: 21.185 ng/ul
RT: 8.587 min Scan# 936
Delta R.T. -0.003 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:108 Resp: 33265

Ion	Ratio	Lower	Upper
108	100		
107	87.8	72.8	109.2

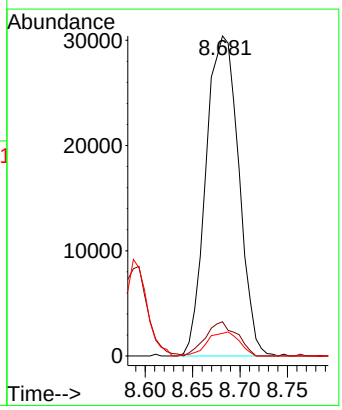




#14
2,2'-oxybis(1-Chloropropane)
Concen: 23.752 ng/ul
RT: 8.681 min Scan# 952
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

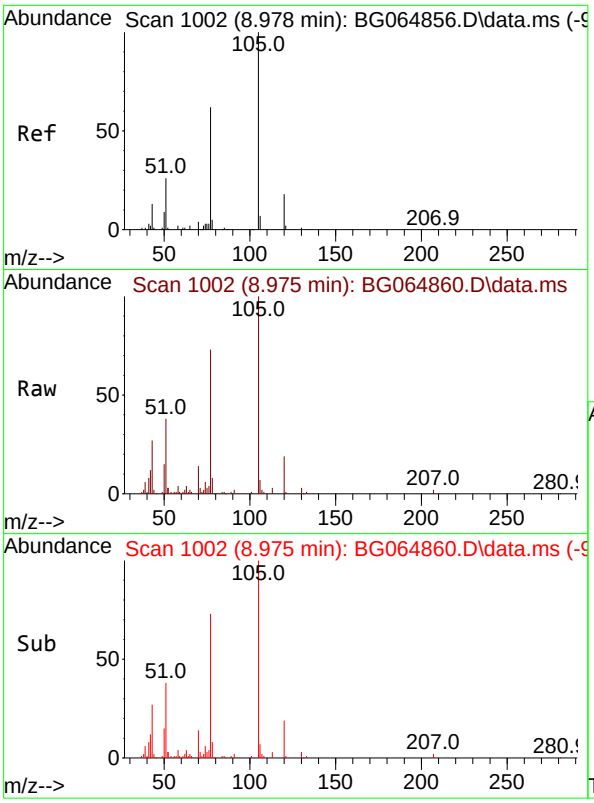
Tgt Ion: 45 Resp: 73150

Ion	Ratio	Lower	Upper
45	100		
77	10.7	8.6	12.8
79	7.1	6.6	9.8



Instrument :
BNA_G
ClientSampleId :
M-31SMS

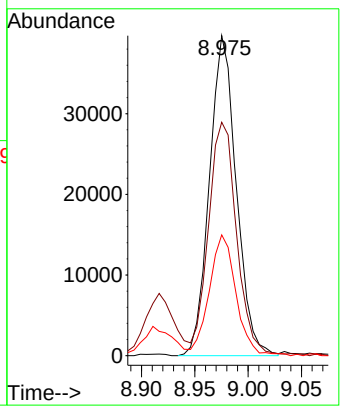
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#16
Acetophenone
Concen: 25.793 ng/ul
RT: 8.975 min Scan# 1002
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

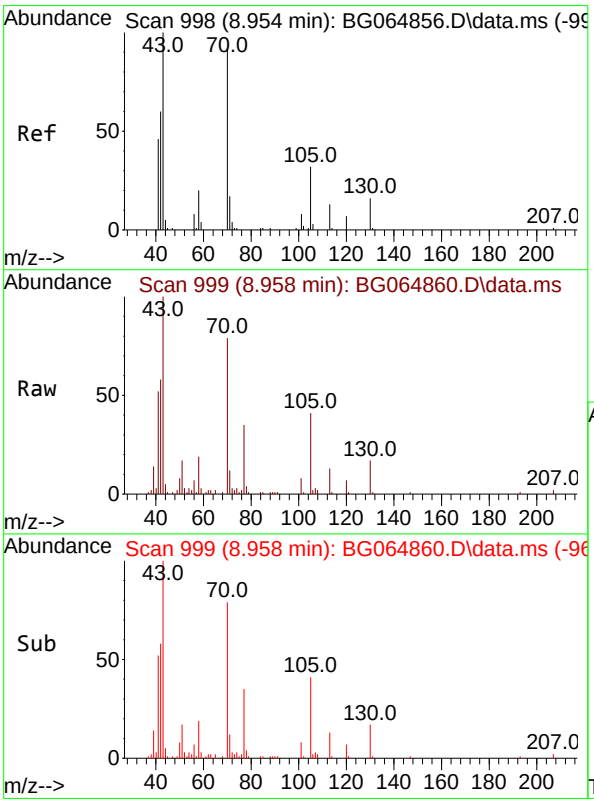
Tgt Ion:105 Resp: 69482

Ion	Ratio	Lower	Upper
105	100		
77	72.9	61.4	92.2
51	37.7	25.6	38.4



Instrument :
BNA_G
ClientSampleId :
M-31SMS

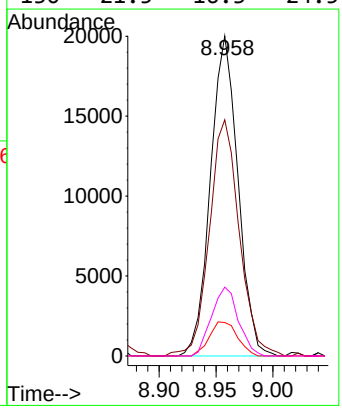
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

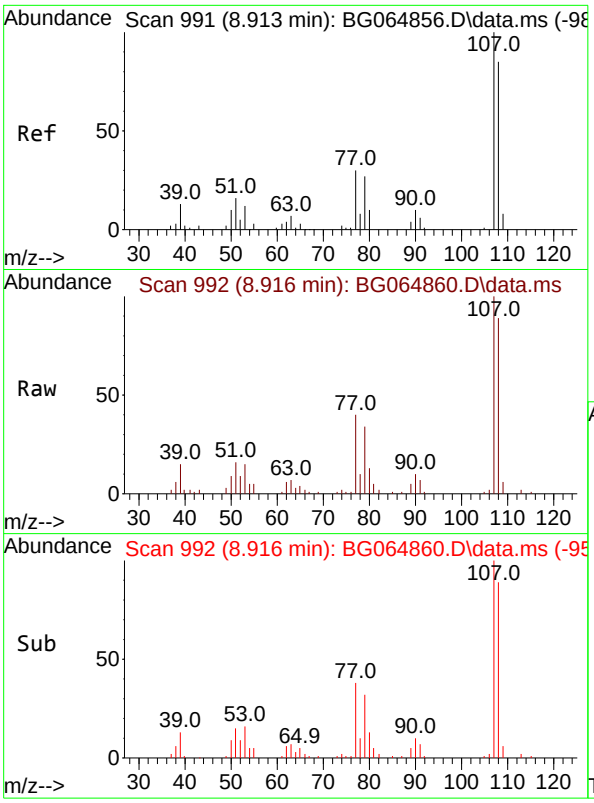


#17
N-Nitroso-di-n-propylamine
Concen: 26.111 ng/ul
RT: 8.958 min Scan# 999
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion: 70 Resp: 33741

Ion	Ratio	Lower	Upper
70	100		
42	73.8	53.0	79.4
101	10.4	8.8	13.2
130	21.5	16.3	24.5

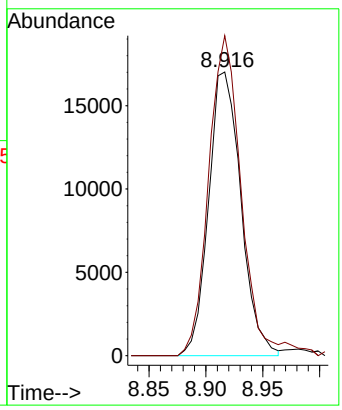




#18
4-Methylphenol
Concen: 19.555 ng/ul
RT: 8.916 min Scan# 992
Delta R.T. 0.003 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

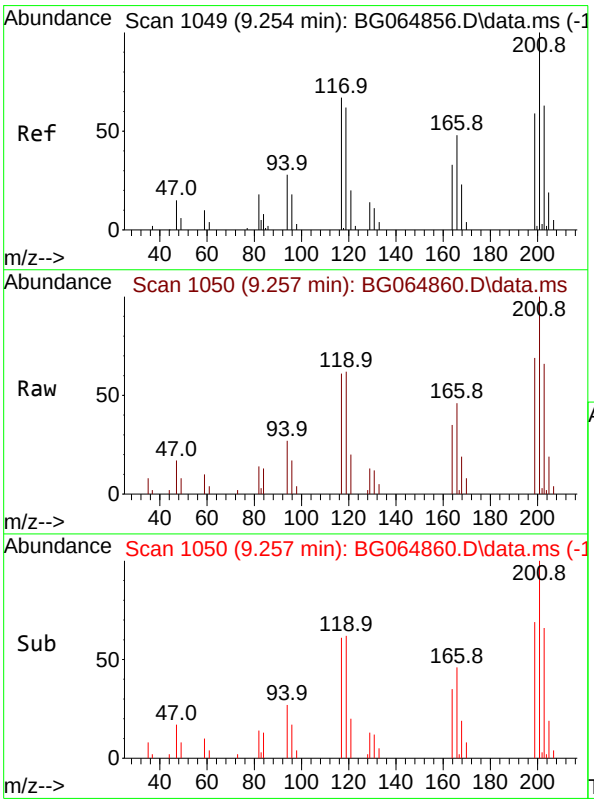
Tgt Ion:108 Resp: 33688

Ion	Ratio	Lower	Upper
108	100		
107	112.8	80.8	121.2



Instrument :
BNA_G
ClientSampleId :
M-31SMS

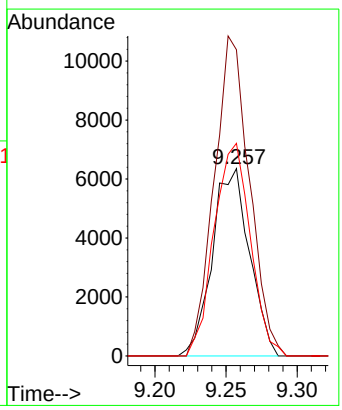
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

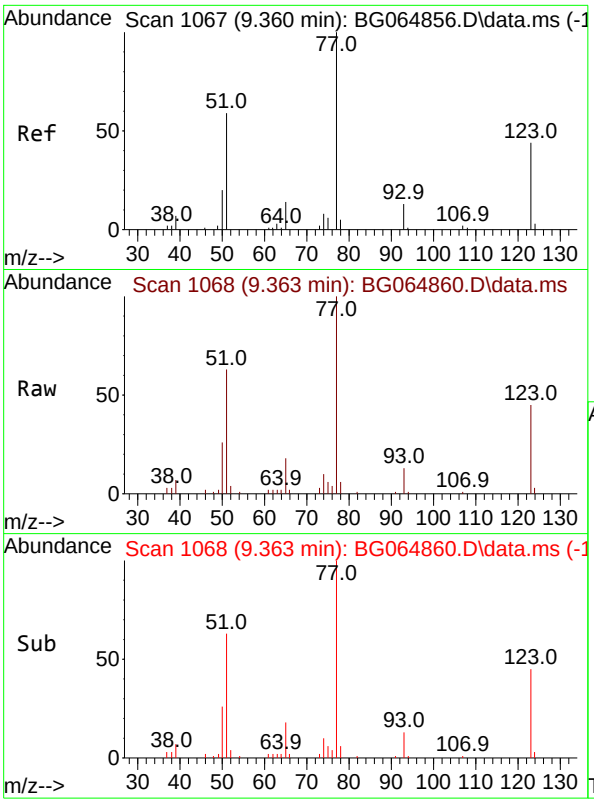


#19
Hexachloroethane
Concen: 16.973 ng/ul
RT: 9.257 min Scan# 1050
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:117 Resp: 11556

Ion	Ratio	Lower	Upper
117	100		
201	163.4	121.7	182.5
199	113.4	81.0	121.4

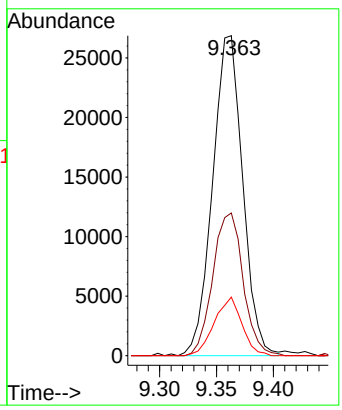




#22
Nitrobenzene
Concen: 26.846 ng/ul
RT: 9.363 min Scan# 1068
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

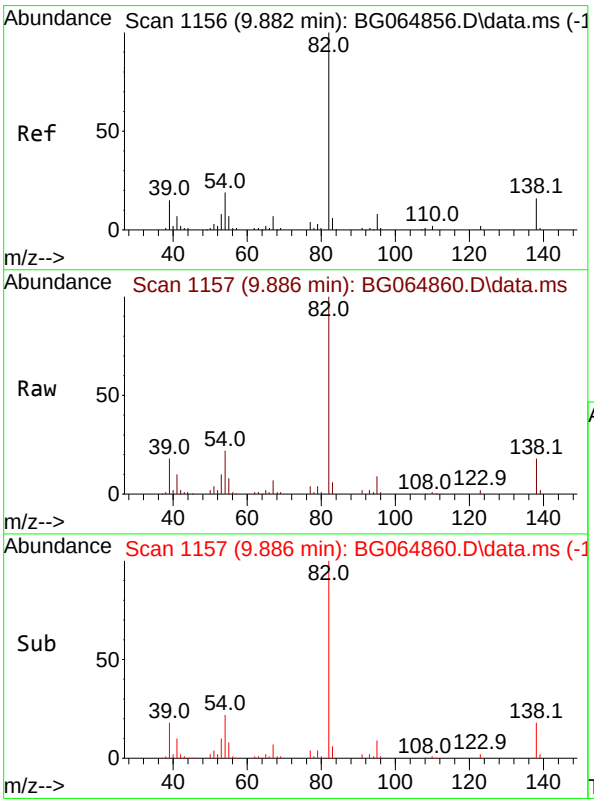
Tgt Ion: 77 Resp: 49443

Ion	Ratio	Lower	Upper
77	100		
123	44.6	35.4	53.0
65	18.3	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
M-31SMS

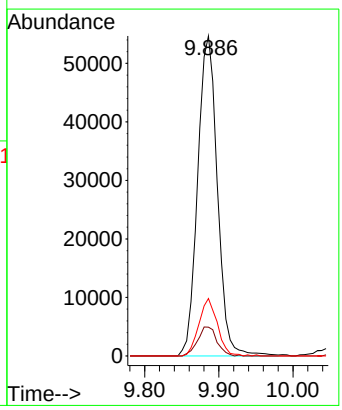
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

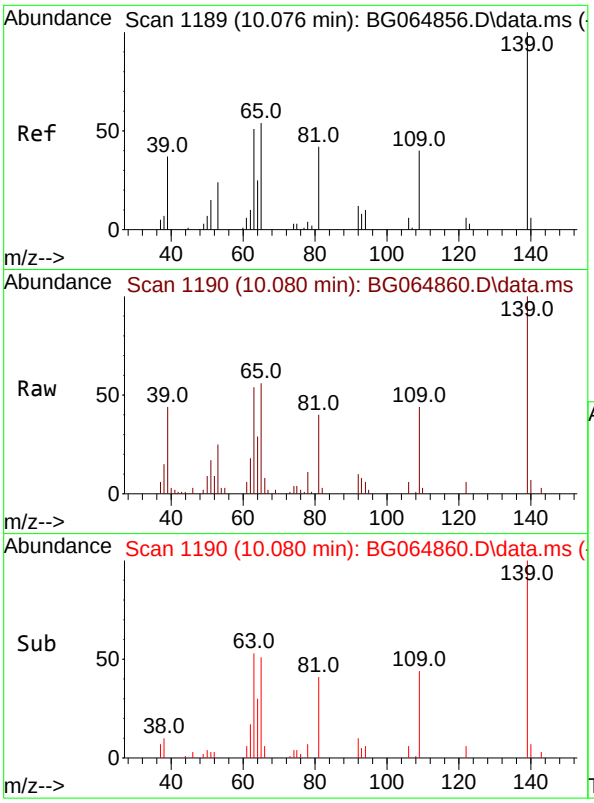


#23
Isophorone
Concen: 28.047 ng/ul
RT: 9.886 min Scan# 1157
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion: 82 Resp: 101194

Ion	Ratio	Lower	Upper
82	100		
95	9.0	6.2	9.2
138	18.0	12.7	19.1

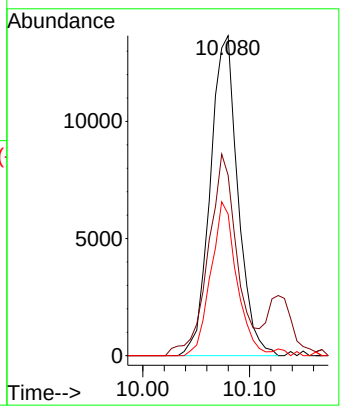




#25
2-Nitrophenol
Concen: 27.504 ng/ul
RT: 10.080 min Scan# 1190
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

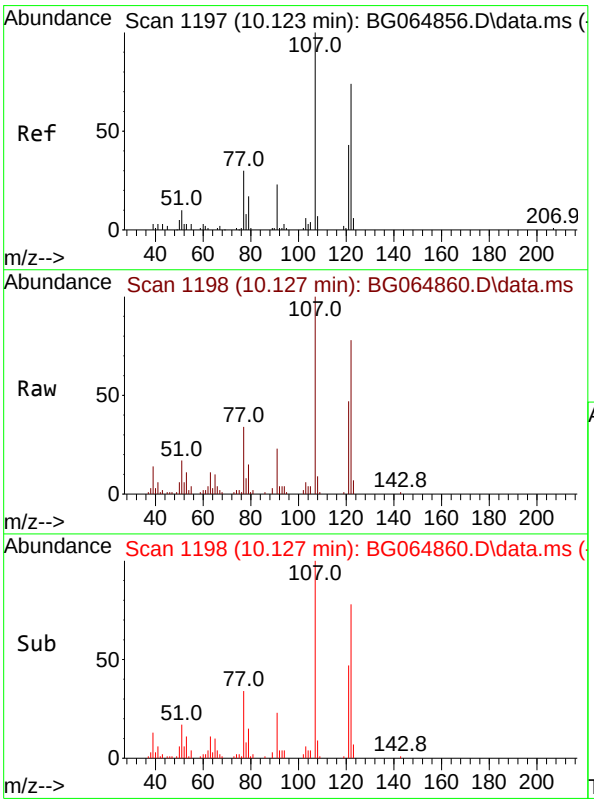
Tgt Ion:139 Resp: 24627

Ion	Ratio	Lower	Upper
139	100		
65	56.4	46.5	69.7
109	44.2	27.0	40.4#



Instrument :
BNA_G
ClientSampleId :
M-31SMS

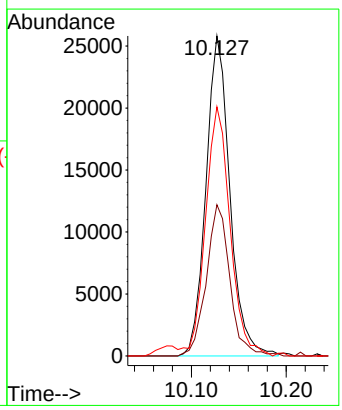
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

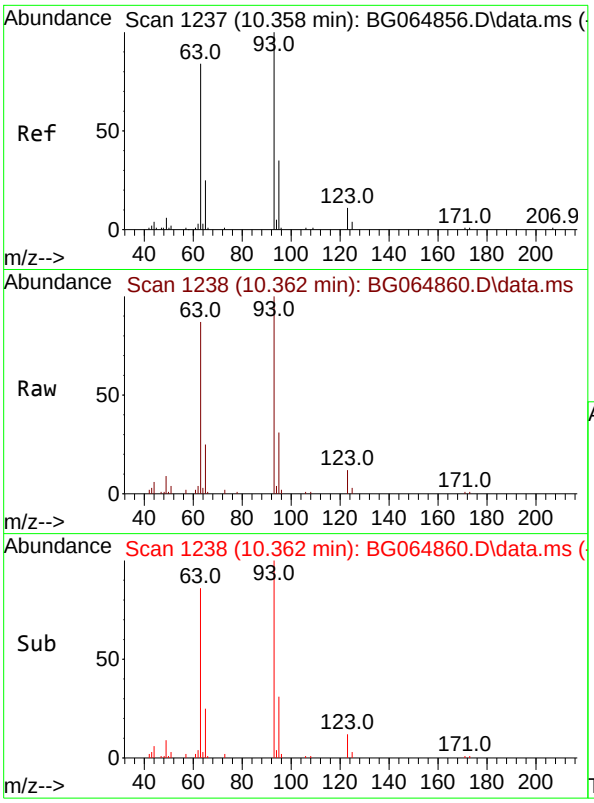


#26
2,4-Dimethylphenol
Concen: 23.502 ng/ul
RT: 10.127 min Scan# 1198
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:107 Resp: 45327

Ion	Ratio	Lower	Upper
107	100		
121	47.3	37.9	56.9
122	77.8	63.1	94.7

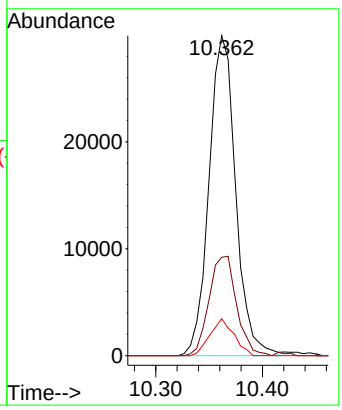




#27
Bis(2-Chloroethoxy)methane
Concen: 25.664 ng/ul
RT: 10.362 min Scan# 1238
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

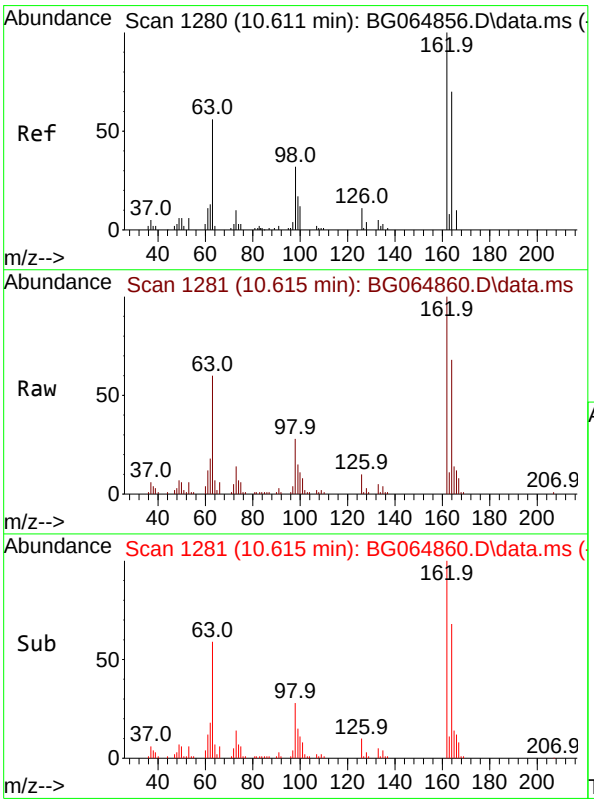
Tgt Ion: 93 Resp: 51929

Ion	Ratio	Lower	Upper
93	100		
95	30.8	25.1	37.7
123	11.6	7.0	10.4#



Instrument :
BNA_G
ClientSampleId :
M-31SMS

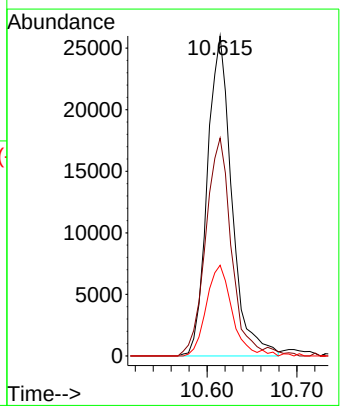
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

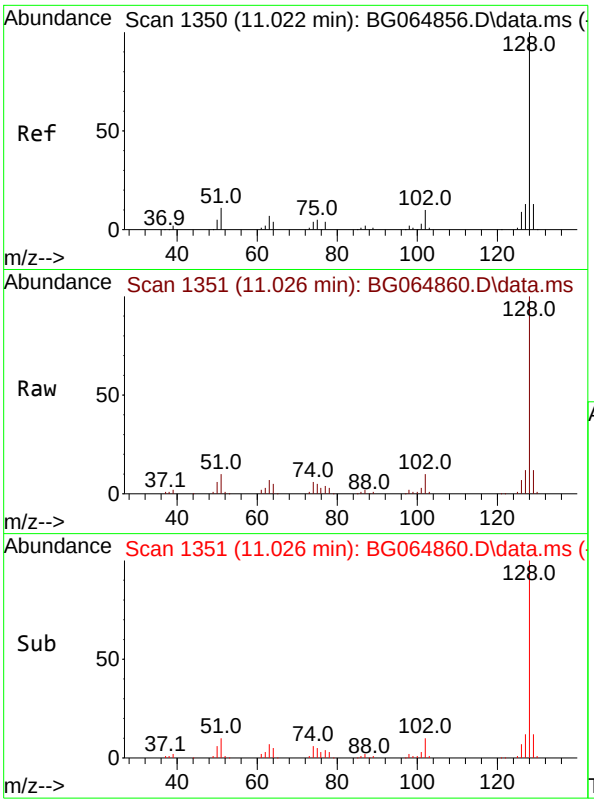


#29
2,4-Dichlorophenol
Concen: 30.039 ng/ul
RT: 10.615 min Scan# 1281
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:162 Resp: 49196

Ion	Ratio	Lower	Upper
162	100		
164	68.1	53.8	80.8
98	28.3	26.0	39.0

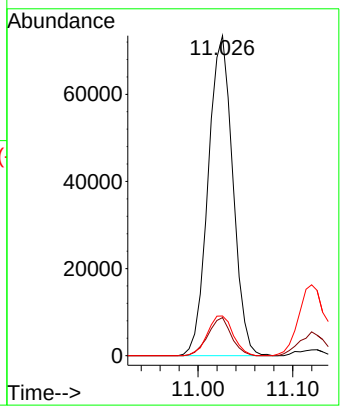


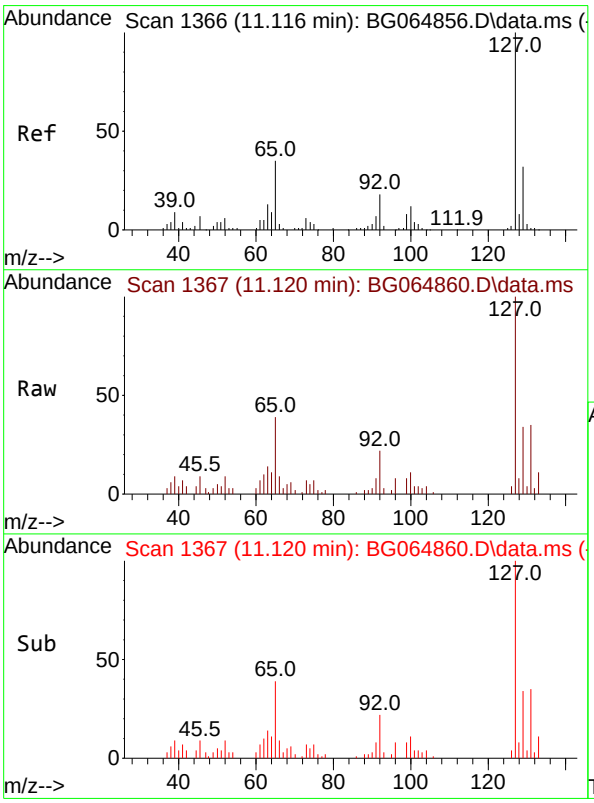


#30
Naphthalene
Concen: 24.233 ng/ul
RT: 11.026 min Scan# 1351
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:128 Resp: 132400

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.7	13.1
127	12.4	10.0	15.0

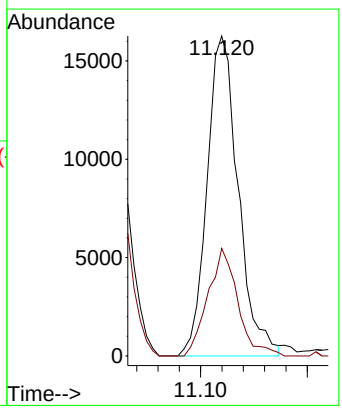




#32
4-Chloroaniline
Concen: 14.443 ng/ul
RT: 11.120 min Scan# 1367
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

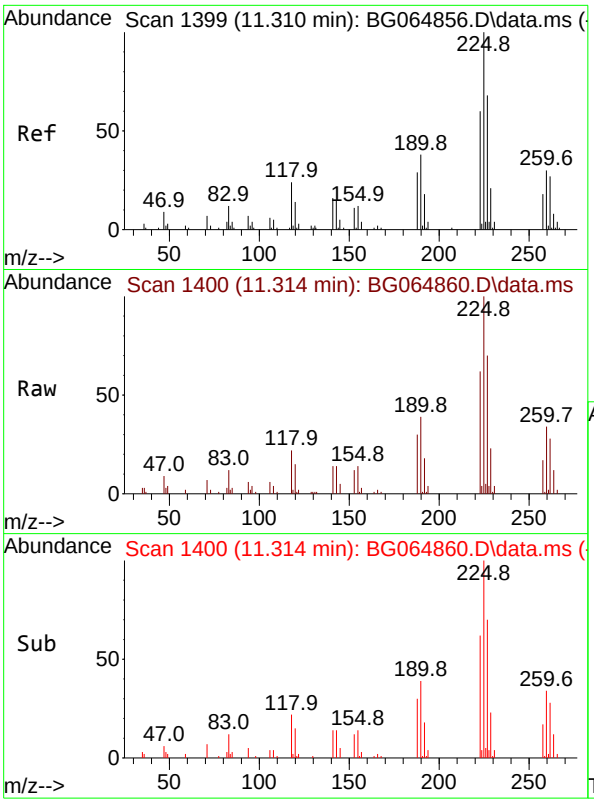
Tgt Ion:127 Resp: 32996

Ion	Ratio	Lower	Upper
127	100		
129	33.6	27.0	40.6



Instrument :
BNA_G
ClientSampleId :
M-31SMS

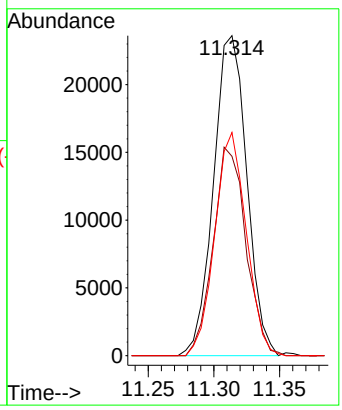
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

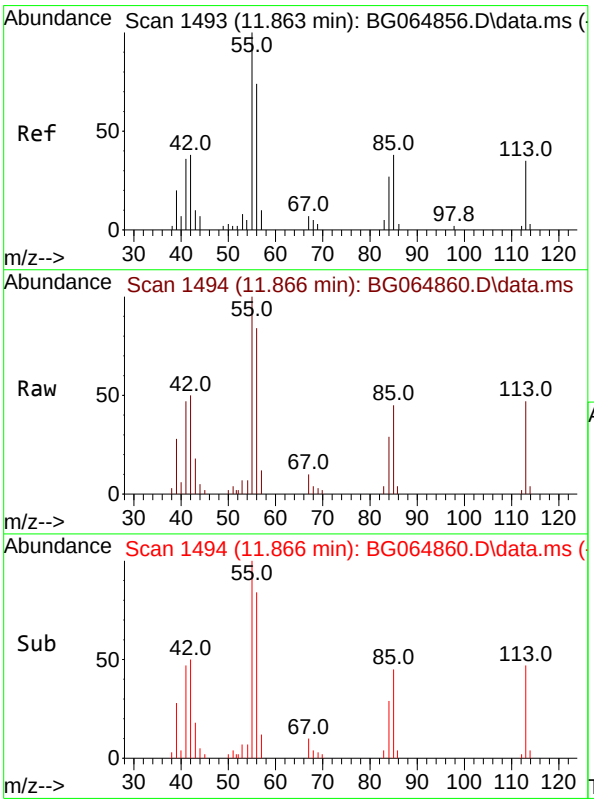


#33
Hexachlorobutadiene
Concen: 24.232 ng/ul
RT: 11.314 min Scan# 1400
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:225 Resp: 41627

Ion	Ratio	Lower	Upper
225	100		
223	66.6	47.0	70.4
227	73.5	49.8	74.8

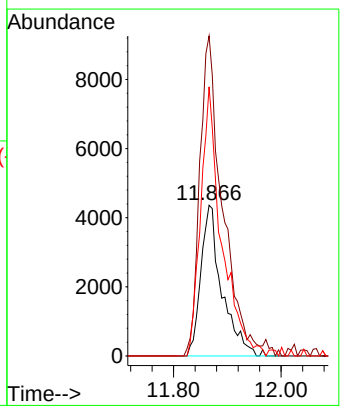




#34
Caprolactam
Concen: 20.691 ng/ul m
RT: 11.866 min Scan# 1494
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

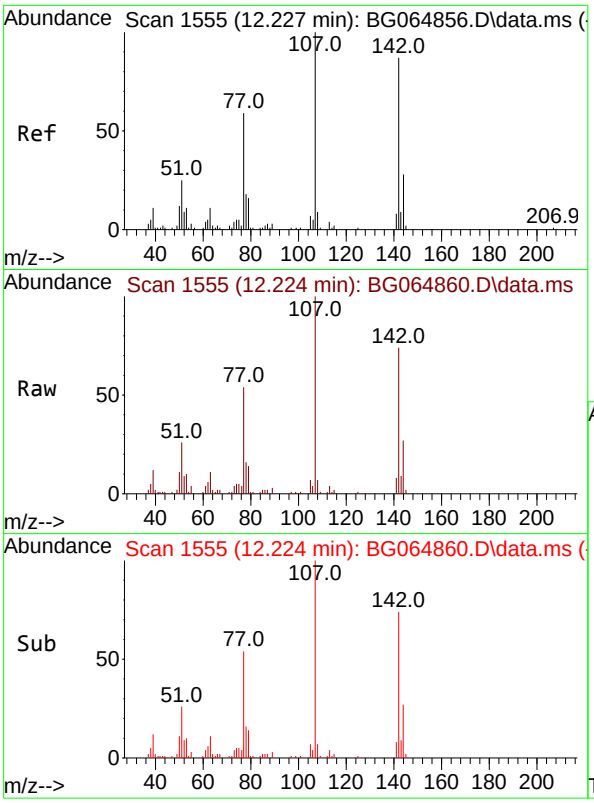
Tgt Ion:113 Resp: 11841

Ion	Ratio	Lower	Upper
113	100		
55	212.4	187.9	281.9
56	178.6	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-31SMS

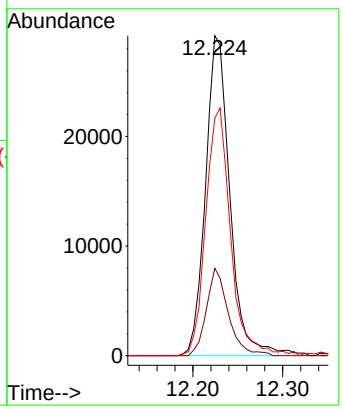
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

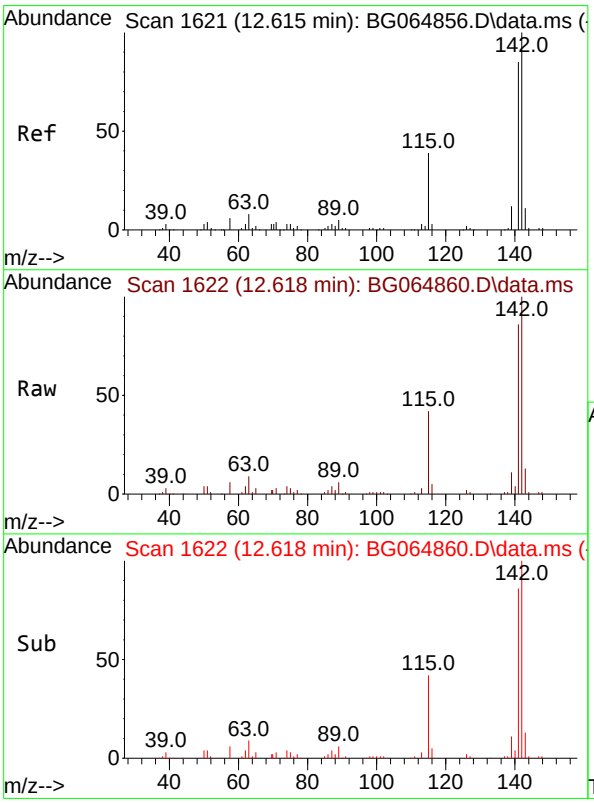


#35
4-Chloro-3-methylphenol
Concen: 30.644 ng/ul
RT: 12.224 min Scan# 1555
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:107 Resp: 54653

Ion	Ratio	Lower	Upper
107	100		
144	27.3	18.6	27.8
142	74.3	66.2	99.2

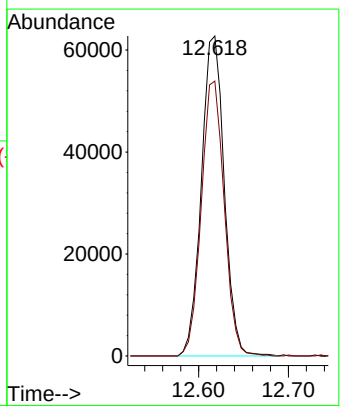




#36
2-Methylnaphthalene
Concen: 27.115 ng/ul
RT: 12.618 min Scan# 1622
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

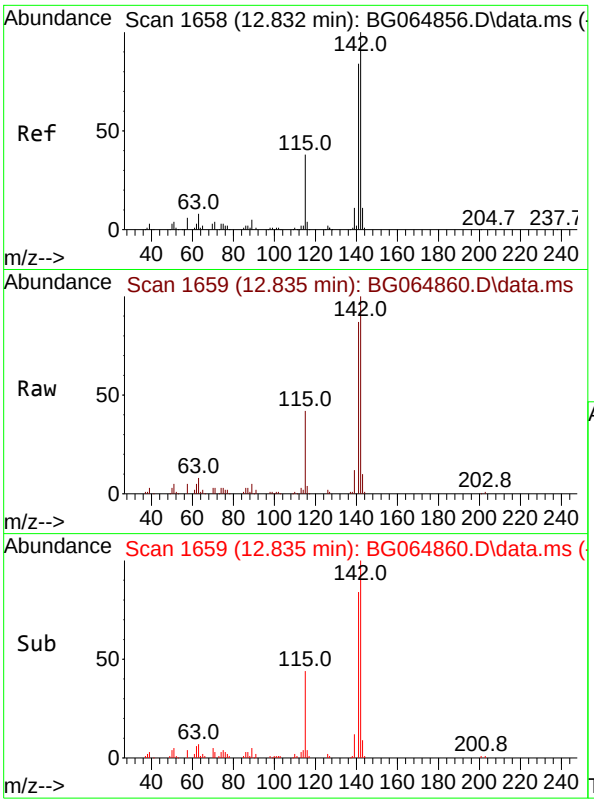
Tgt Ion:142 Resp: 111017

Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.7	104.5



Instrument :
BNA_G
ClientSampleId :
M-31SMS

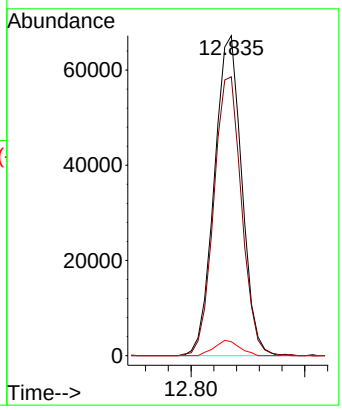
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#37
1-Methylnaphthalene
Concen: 28.130 ng/ul
RT: 12.835 min Scan# 1659
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

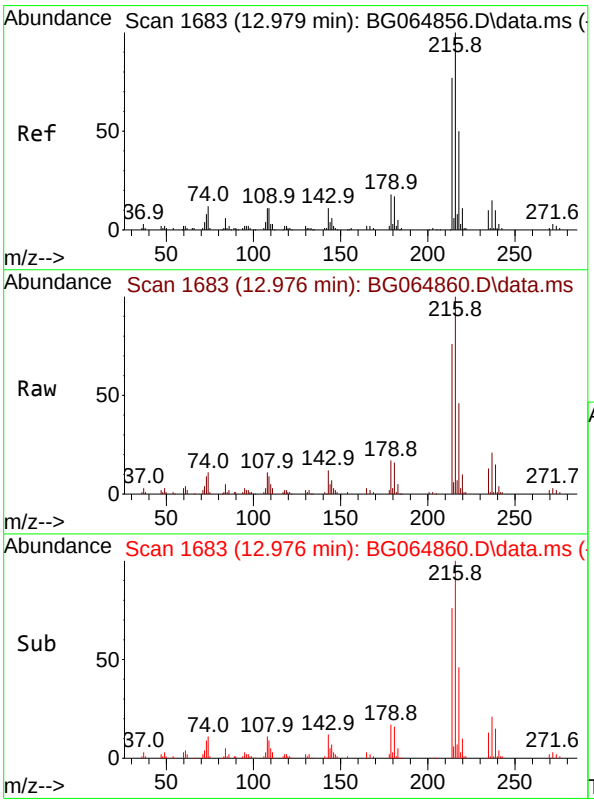
Tgt Ion:142 Resp: 112731

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.3	105.5
116	4.4	3.2	4.8



Instrument :
BNA_G
ClientSampleId :
M-31SMS

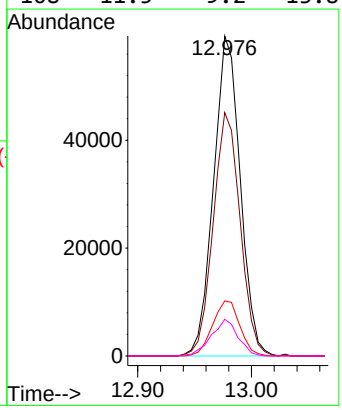
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

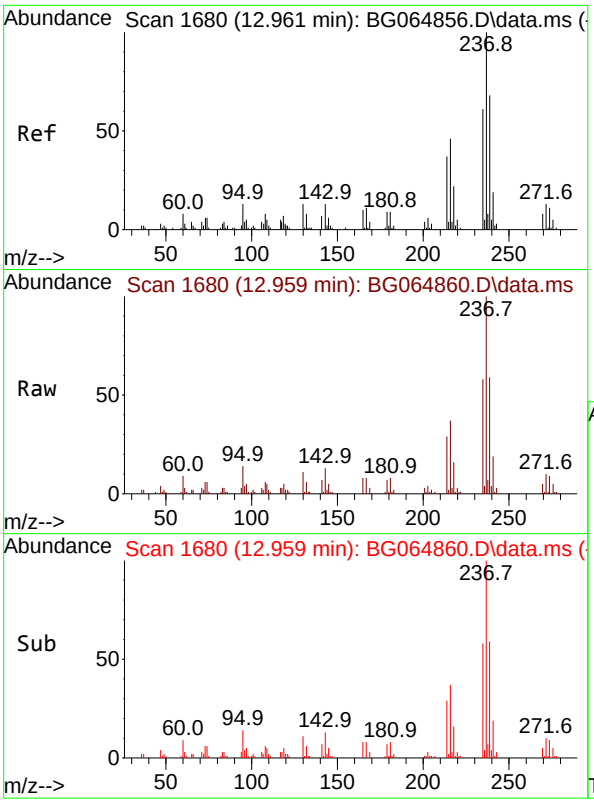


#39
1,2,4,5-Tetrachlorobenzene
Concen: 30.315 ng/ul
RT: 12.976 min Scan# 1683
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:216 Resp: 96677

Ion	Ratio	Lower	Upper
216	100		
214	76.1	63.5	95.3
179	17.2	14.7	22.1
108	11.5	9.2	13.8

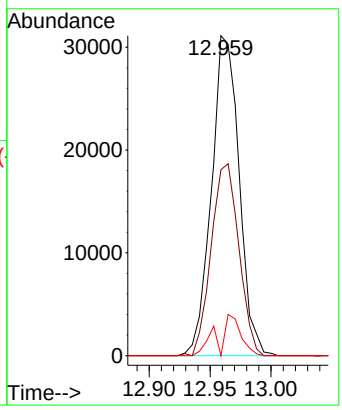


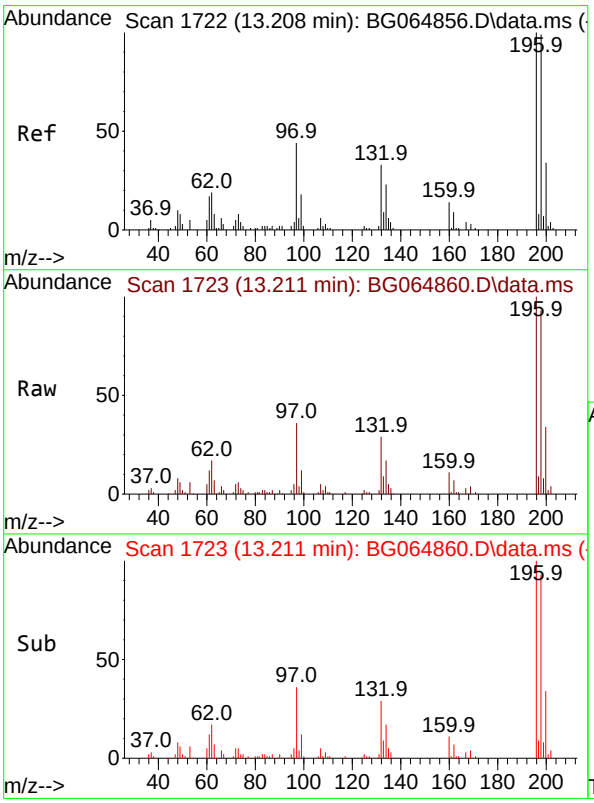


#40
Hexachlorocyclopentadiene
Concen: 22.245 ng/ul
RT: 12.959 min Scan# 1680
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:237 Resp: 49148

Ion	Ratio	Lower	Upper
237	100		
235	57.9	45.7	68.5
272	0.0	10.7	16.1#

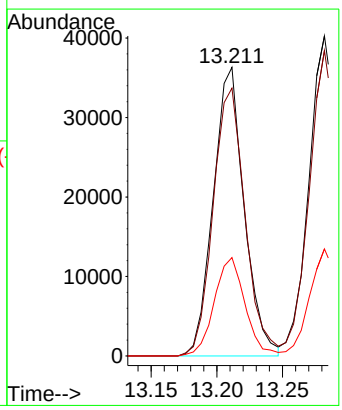




#41
2,4,6-Trichlorophenol
Concen: 33.818 ng/ul
RT: 13.211 min Scan# 1723
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

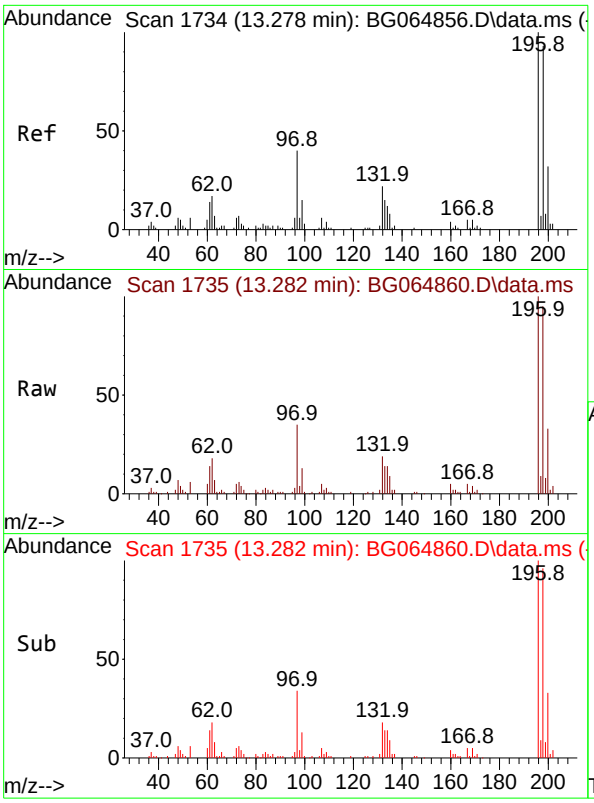
Tgt Ion:196 Resp: 59618

Ion	Ratio	Lower	Upper
196	100		
198	92.8	79.5	119.3
200	34.1	28.1	42.1



Instrument :
BNA_G
ClientSampleId :
M-31SMS

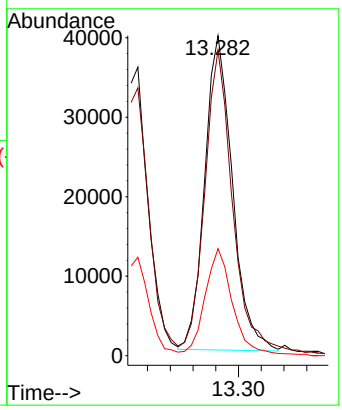
Manual Integrations APPROVED
mohammad
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#42
2,4,5-Trichlorophenol
Concen: 36.070 ng/ul
RT: 13.282 min Scan# 1735
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

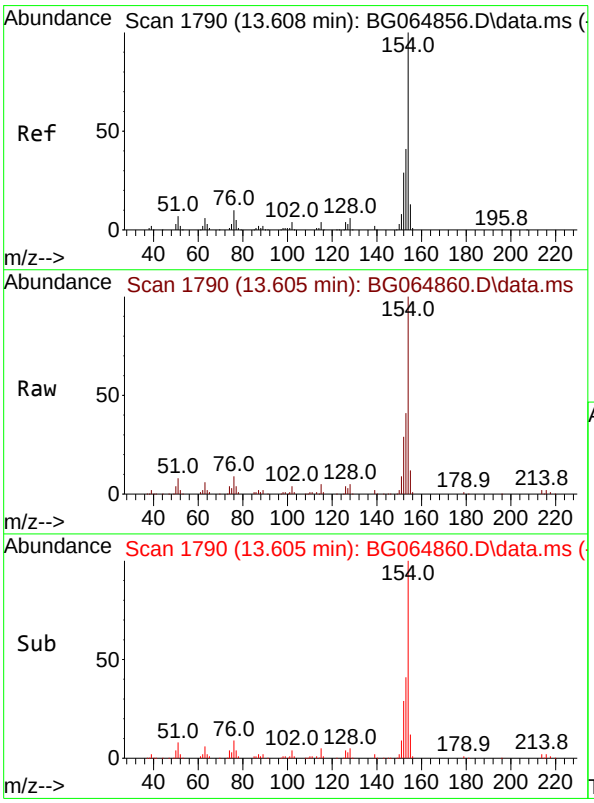
Tgt Ion:196 Resp: 67003

Ion	Ratio	Lower	Upper
196	100		
198	95.4	72.1	108.1
200	33.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
M-31SMS

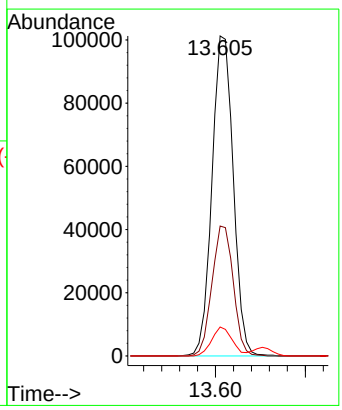
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

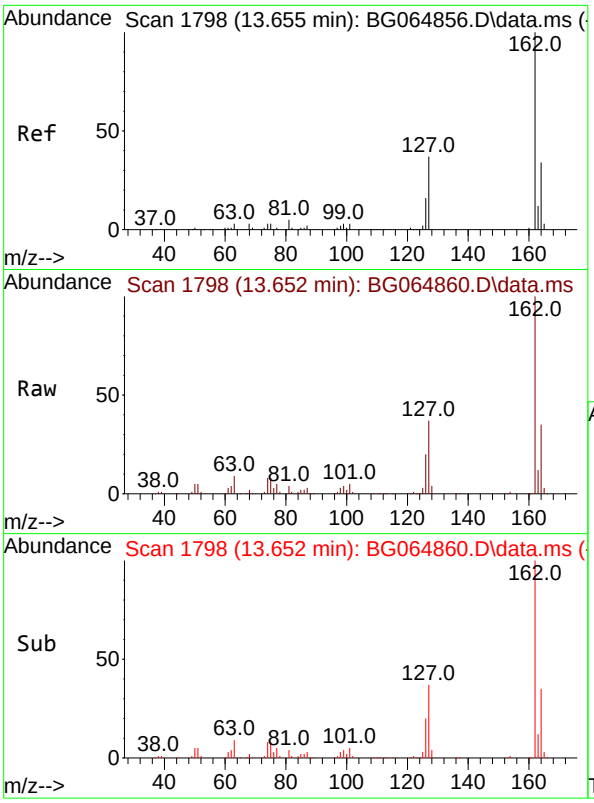


#43
1,1'-Biphenyl
Concen: 28.494 ng/ul
RT: 13.605 min Scan# 1790
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:154 Resp: 166516

Ion	Ratio	Lower	Upper
154	100		
153	40.6	33.0	49.4
76	9.1	8.7	13.1

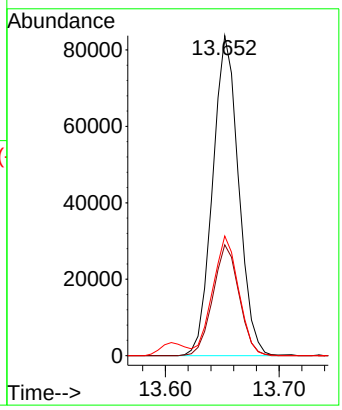


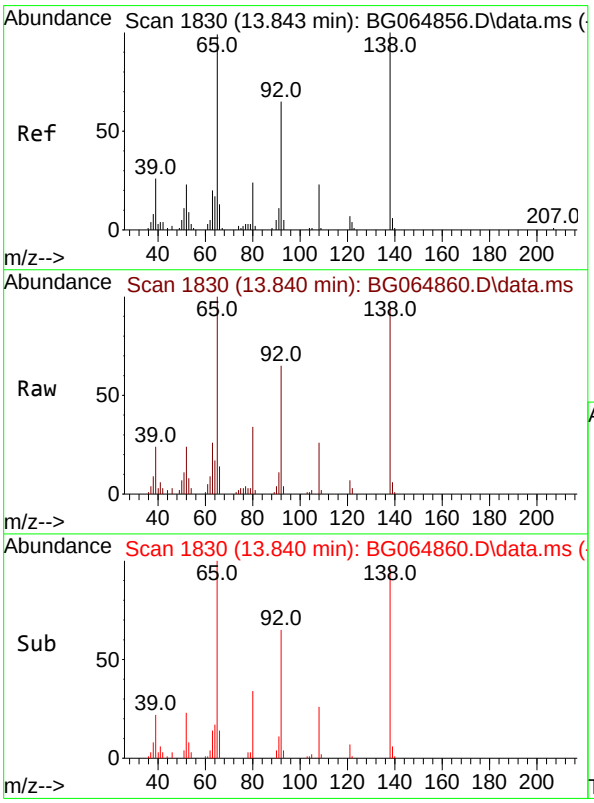


#44
2-Chloronaphthalene
Concen: 28.880 ng/ul
RT: 13.652 min Scan# 1798
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:162 Resp: 132488

Ion	Ratio	Lower	Upper
162	100		
164	34.6	26.9	40.3
127	37.4	30.2	45.4

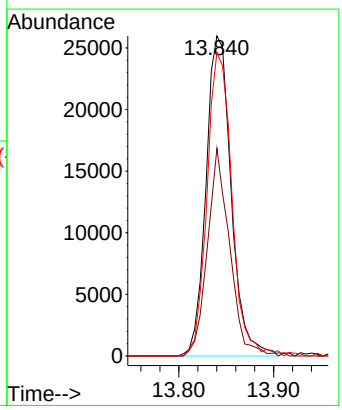




#45
2-Nitroaniline
Concen: 35.039 ng/ul
RT: 13.840 min Scan# 1830
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

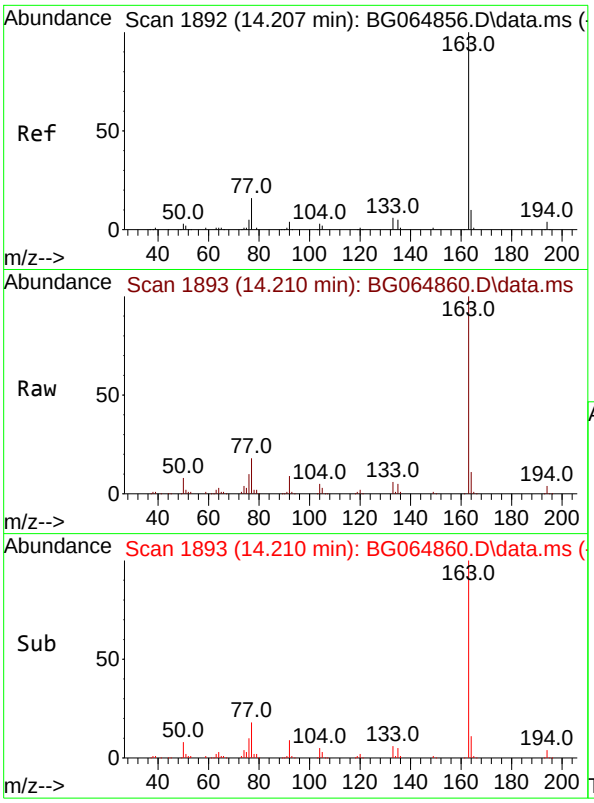
Tgt Ion: 65 Resp: 47787

Ion	Ratio	Lower	Upper
65	100		
92	64.8	45.2	67.8
138	94.9	78.6	117.8



Instrument :
BNA_G
ClientSampleId :
M-31SMS

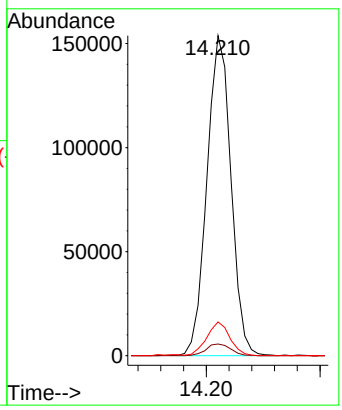
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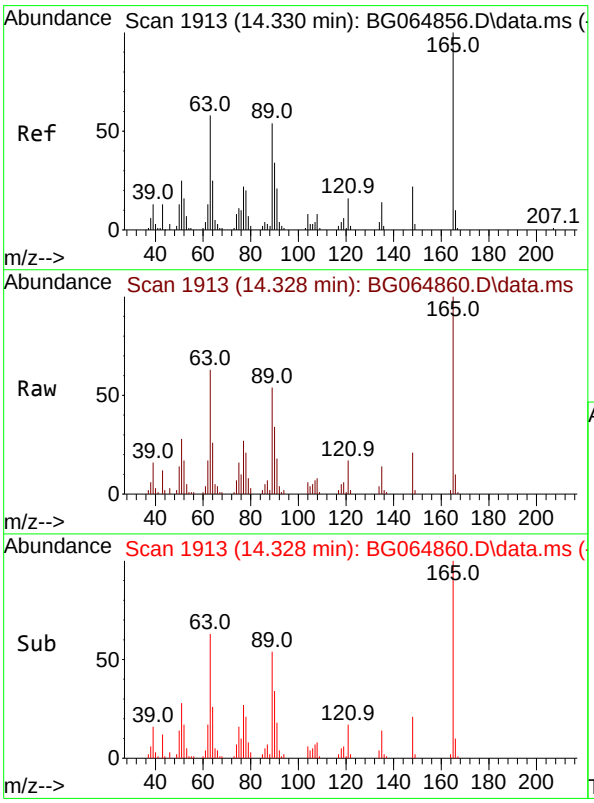


#47
Dimethylphthalate
Concen: 33.952 ng/ul
RT: 14.210 min Scan# 1893
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:163 Resp: 226232

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.3	4.9
164	10.5	7.9	11.9

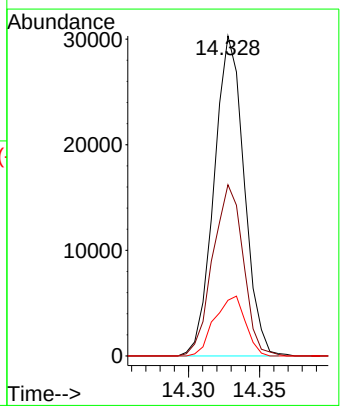




#48
2,6-Dinitrotoluene
Concen: 36.443 ng/ul
RT: 14.328 min Scan# 1913
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

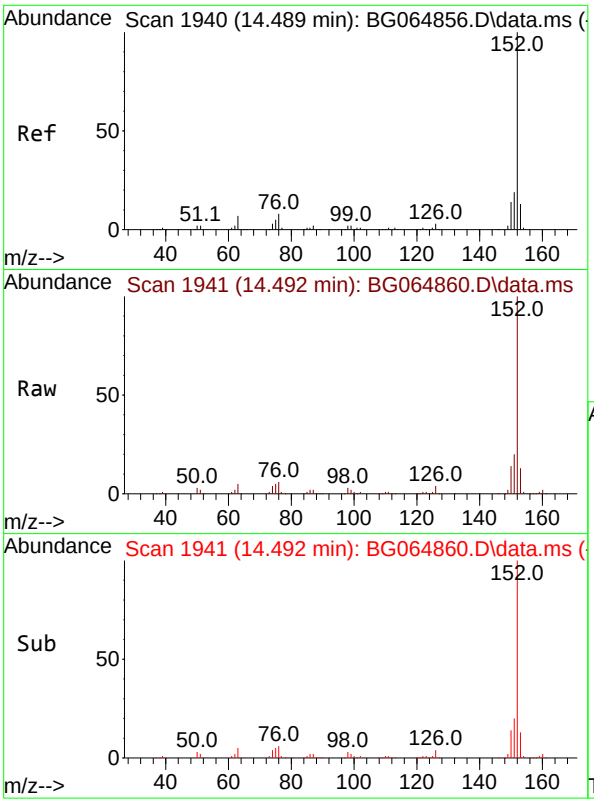
Tgt Ion:165 Resp: 44557

Ion	Ratio	Lower	Upper
165	100		
89	53.5	39.9	59.9
121	17.4	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
M-31SMS

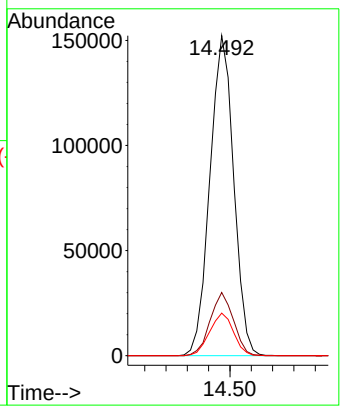
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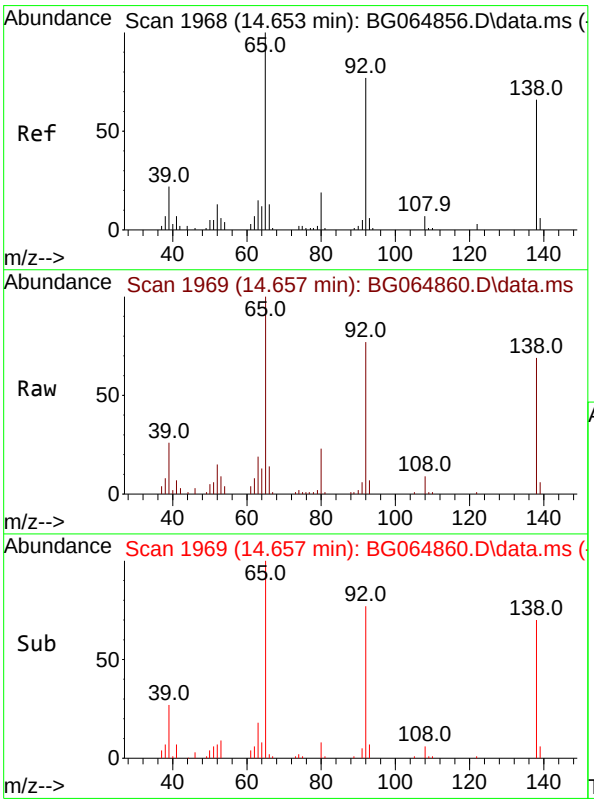


#50
Acenaphthylene
Concen: 29.480 ng/ul
RT: 14.492 min Scan# 1941
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:152 Resp: 235840

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.1	22.7
153	13.3	9.7	14.5

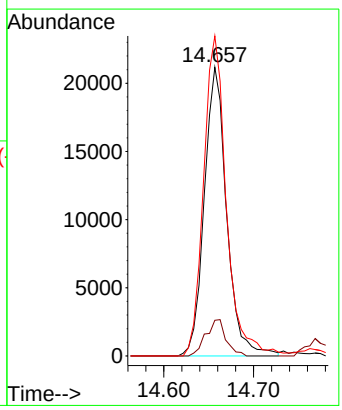




#51
3-Nitroaniline
Concen: 34.608 ng/ul
RT: 14.657 min Scan# 1969
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

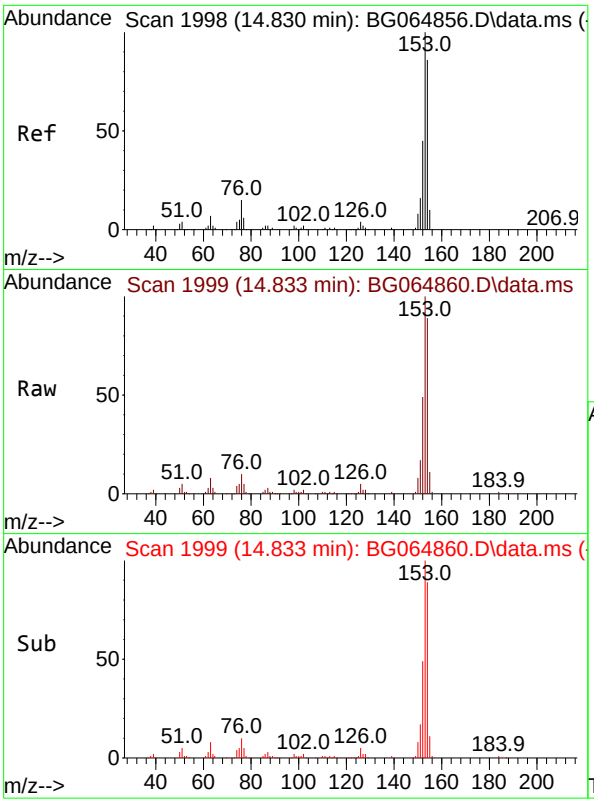
Tgt Ion:138 Resp: 36700

Ion	Ratio	Lower	Upper
138	100		
108	12.4	9.8	14.8
92	110.8	91.4	137.2



Instrument :
BNA_G
ClientSampleId :
M-31SMS

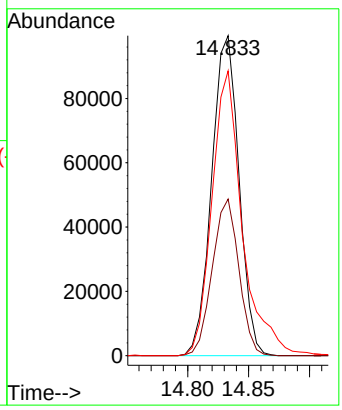
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#52
Acenaphthene
Concen: 29.597 ng/ul
RT: 14.833 min Scan# 1999
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

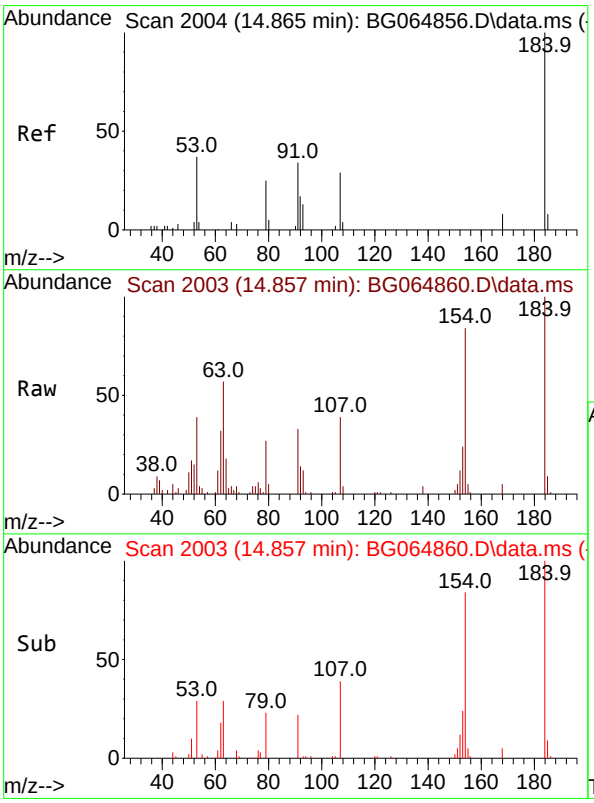
Tgt Ion:153 Resp: 155256

Ion	Ratio	Lower	Upper
153	100		
152	48.9	37.8	56.8
154	89.0	68.2	102.2



Instrument :
BNA_G
ClientSampleId :
M-31SMS

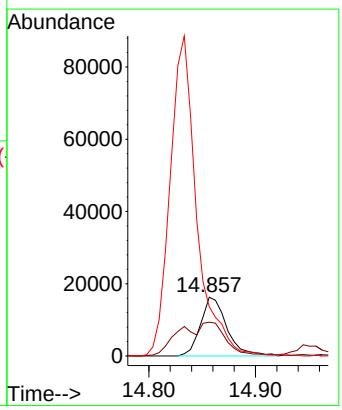
Manual Integrations APPROVED
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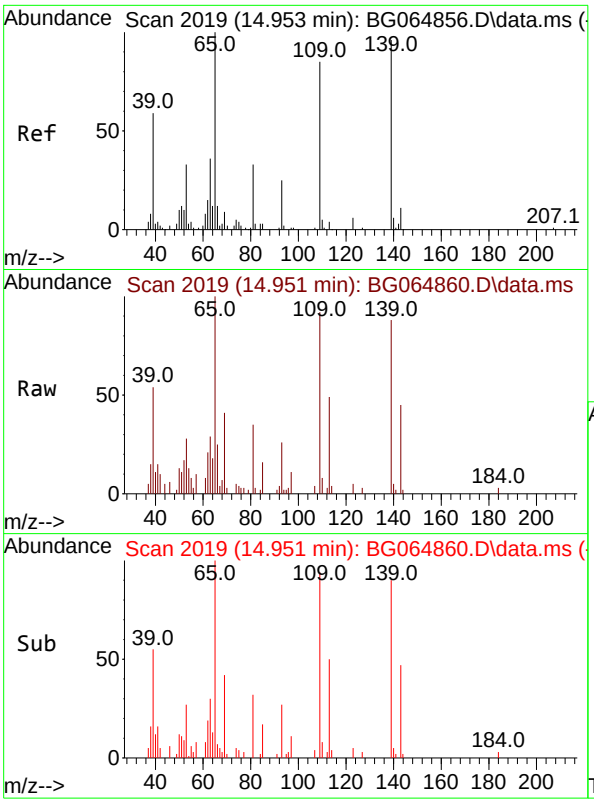


#53
2,4-Dinitrophenol
Concen: 38.884 ng/ul
RT: 14.857 min Scan# 2003
Delta R.T. -0.008 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:184 Resp: 27958

Ion	Ratio	Lower	Upper
184	100		
63	57.5	41.1	61.7
154	83.7	55.4	83.0#

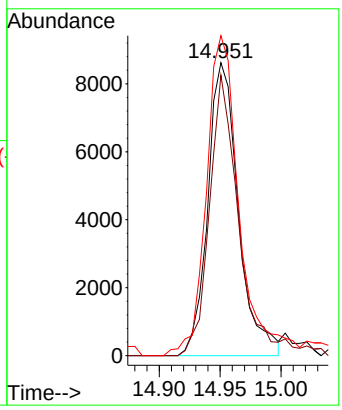




#55
4-Nitrophenol
Concen: 16.448 ng/ul
RT: 14.951 min Scan# 2019
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

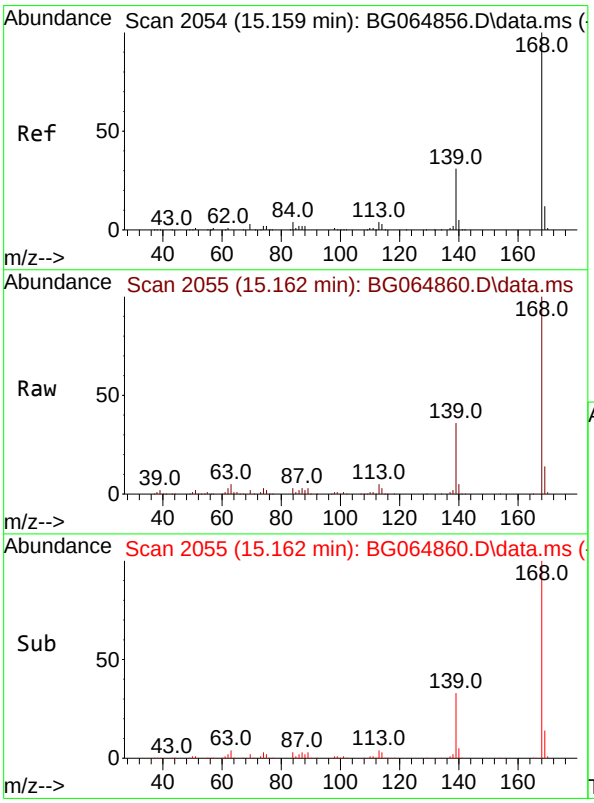
Tgt Ion:109 Resp: 15051

Ion	Ratio	Lower	Upper
109	100		
139	95.8	88.6	132.8
65	109.2	94.2	141.4



Instrument :
BNA_G
ClientSampleId :
M-31SMS

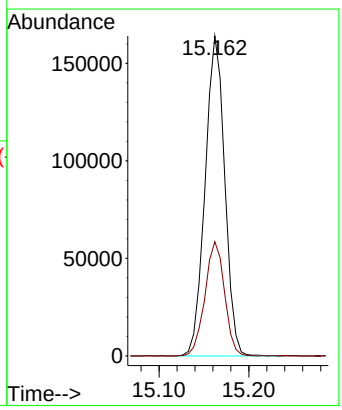
Manual Integrations APPROVED
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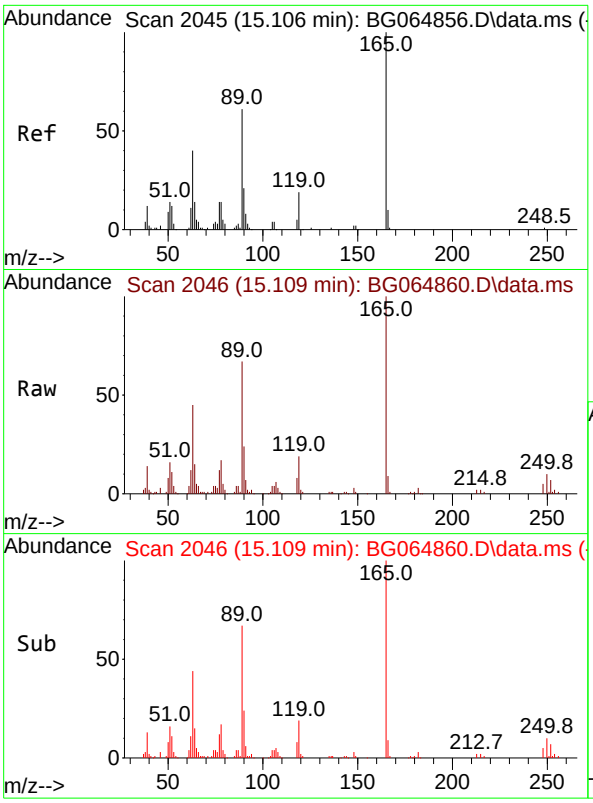


#56
Dibenzofuran
Concen: 31.073 ng/ul
RT: 15.162 min Scan# 2055
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:168 Resp: 248803

Ion	Ratio	Lower	Upper
168	100		
139	35.7	28.2	42.4

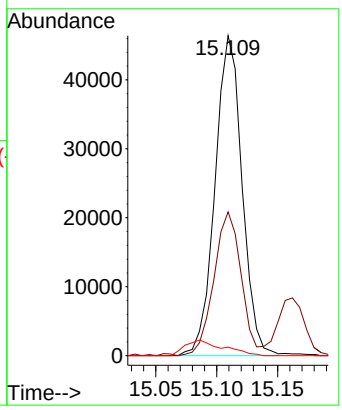




#57
2,4-Dinitrotoluene
Concen: 38.548 ng/ul
RT: 15.109 min Scan# 2046
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

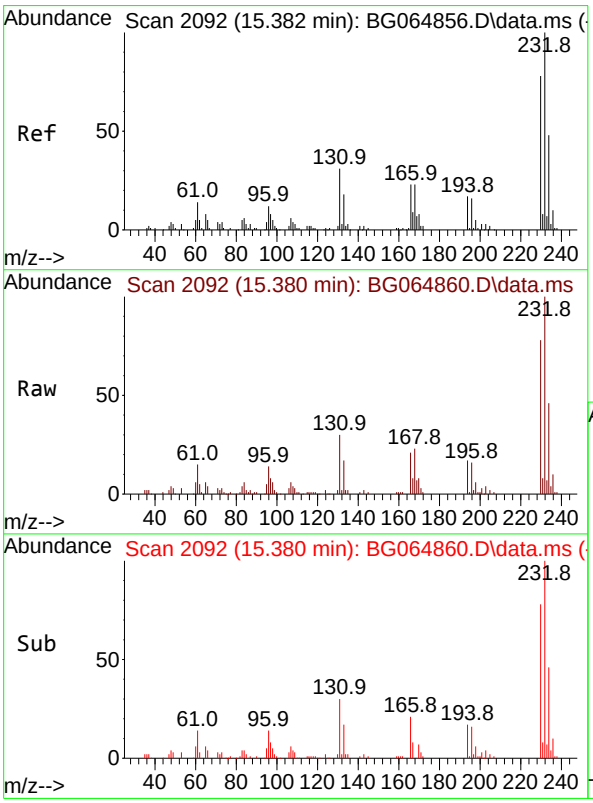
Tgt Ion:165 Resp: 71705

Ion	Ratio	Lower	Upper
165	100		
63	45.0	35.5	53.3
182	2.6	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
M-31SMS

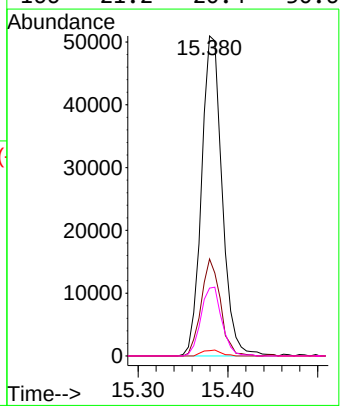
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

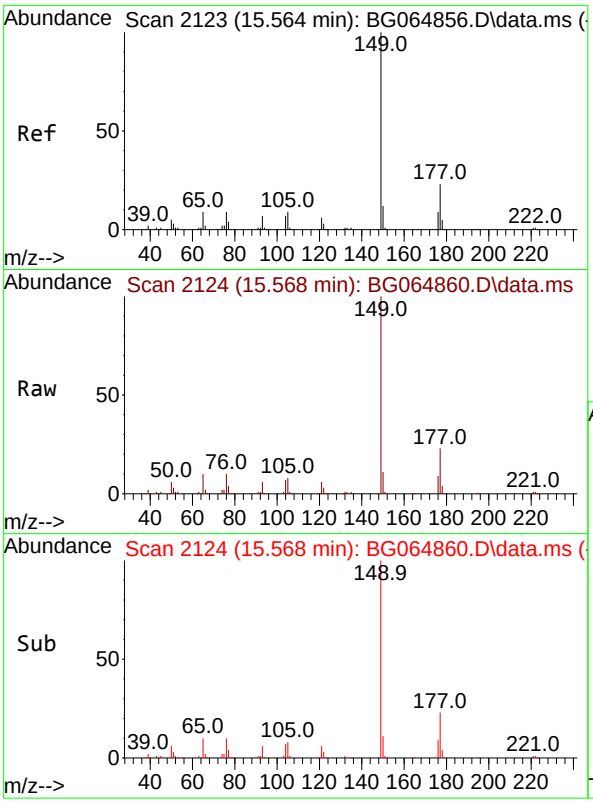


#58
2,3,4,6-Tetrachlorophenol
Concen: 38.539 ng/ul
RT: 15.380 min Scan# 2092
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:232 Resp: 81066

Ion	Ratio	Lower	Upper
232	100		
131	30.3	24.9	37.3
130	1.6	1.4	2.0
166	21.2	20.4	30.6

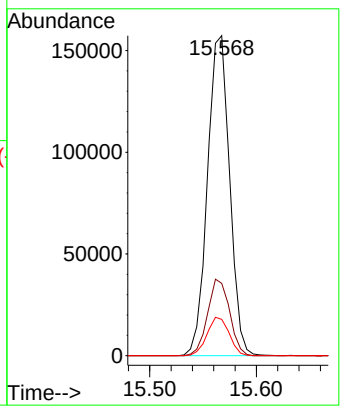


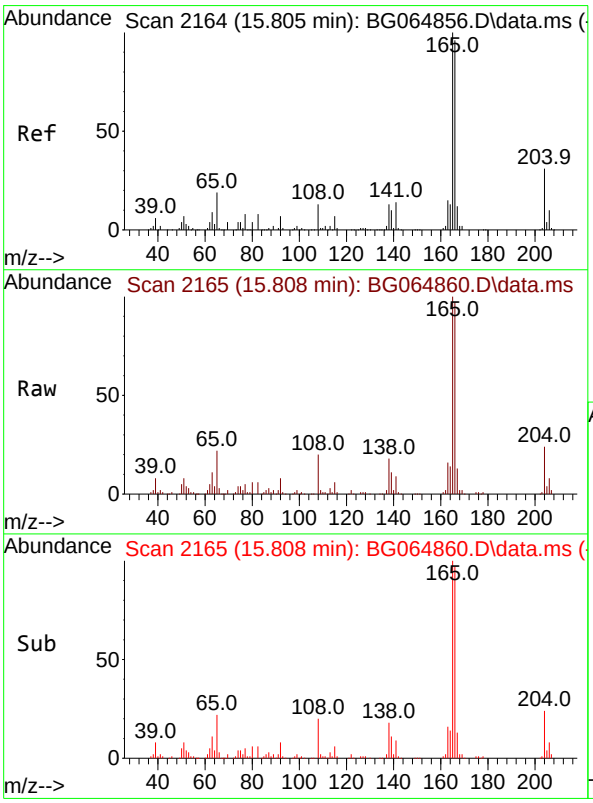


#59
Diethylphthalate
Concen: 34.723 ng/ul
RT: 15.568 min Scan# 2124
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:149 Resp: 227224

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.7	28.1
150	11.4	9.9	14.9

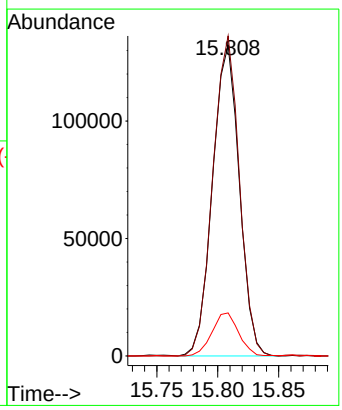




#61
Fluorene
Concen: 32.178 ng/ul
RT: 15.808 min Scan# 2165
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

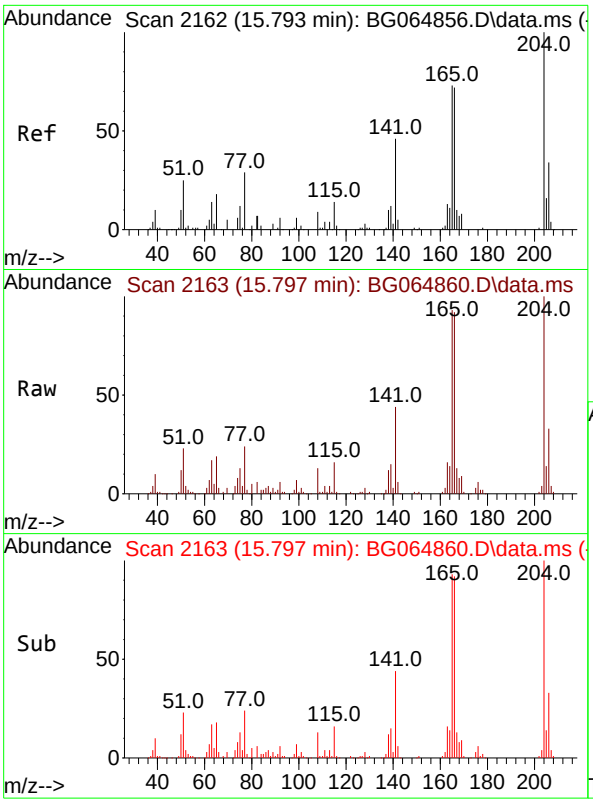
Tgt Ion:166 Resp: 202102

Ion	Ratio	Lower	Upper
166	100		
165	102.9	83.0	124.6
167	13.9	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
M-31SMS

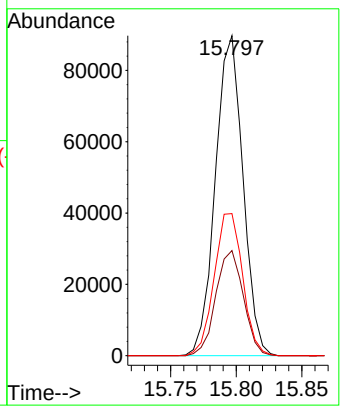
Manual Integrations APPROVED
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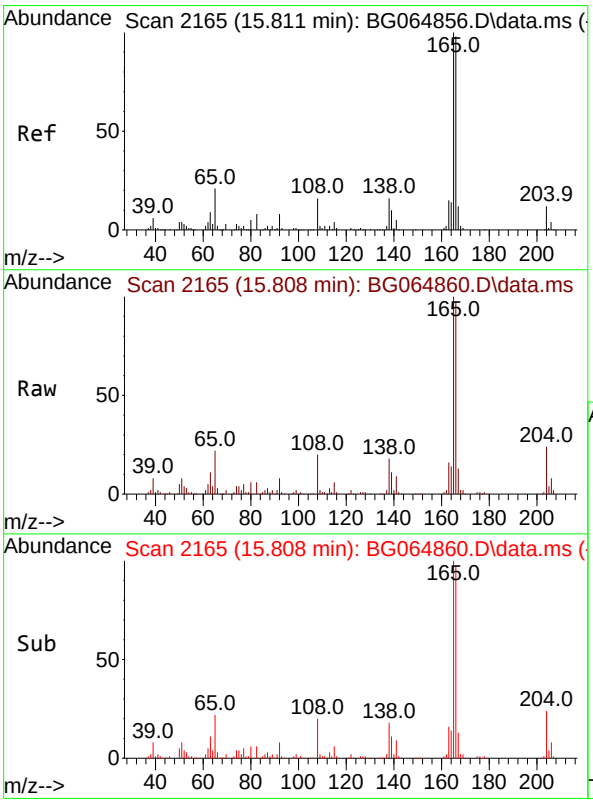


#62
4-Chlorophenyl-phenylether
Concen: 34.231 ng/ul
RT: 15.797 min Scan# 2163
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:204 Resp: 131109

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.1	39.1
141	44.4	36.8	55.2

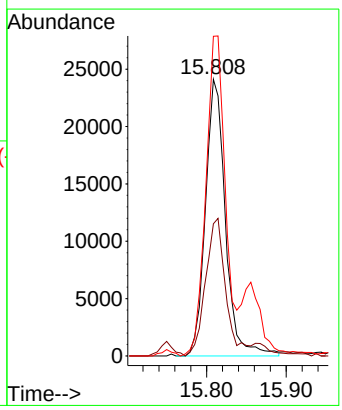




#63
4-Nitroaniline
Concen: 38.540 ng/ul m
RT: 15.808 min Scan# 2165
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

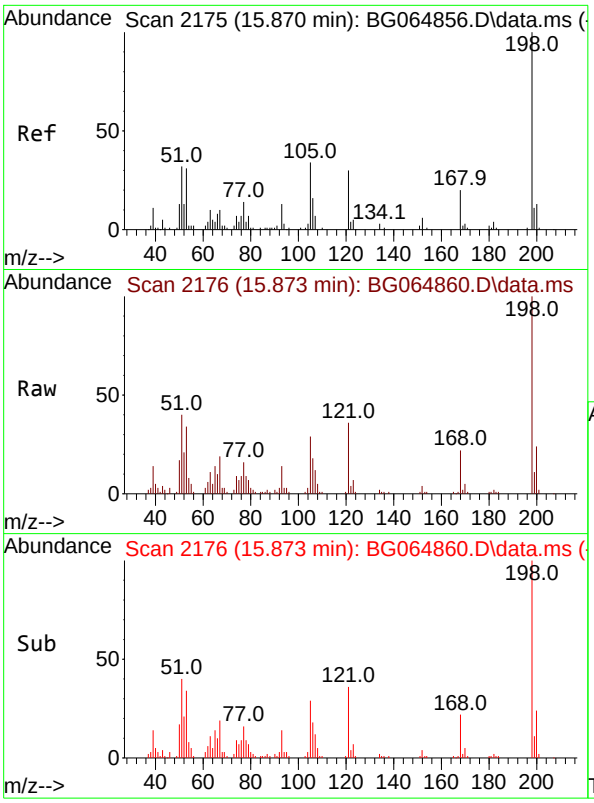
Tgt Ion:138 Resp: 42080

Ion	Ratio	Lower	Upper
138	100		
92	47.8	39.3	58.9
108	115.6	73.8	110.8#



Instrument :
BNA_G
ClientSampleId :
M-31SMS

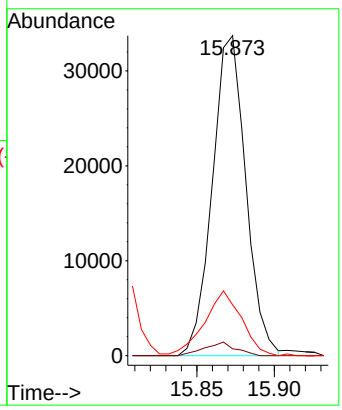
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#66
4,6-Dinitro-2-methylphenol
Concen: 38.392 ng/ul
RT: 15.873 min Scan# 2176
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

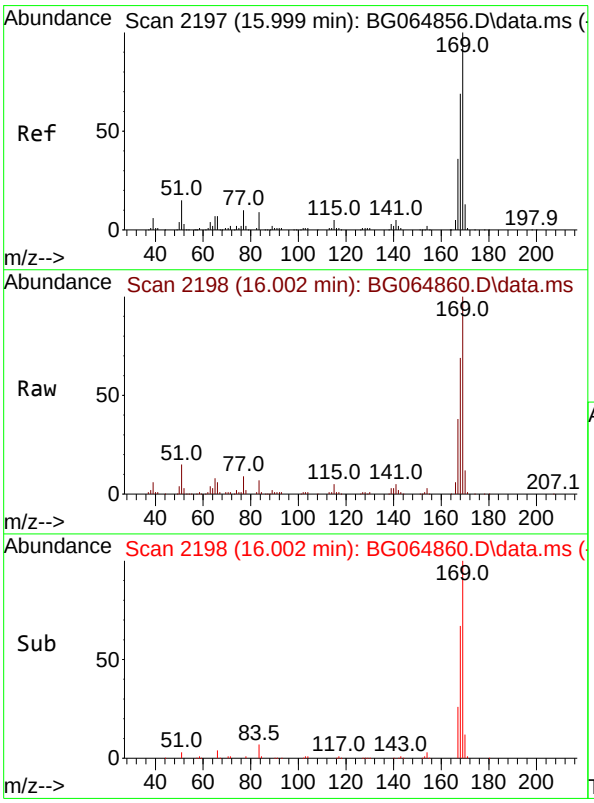
Tgt Ion:198 Resp: 50539

Ion	Ratio	Lower	Upper
198	100		
182	2.1	3.6	5.4#
77	15.9	17.5	26.3#



Instrument :
BNA_G
ClientSampleId :
M-31SMS

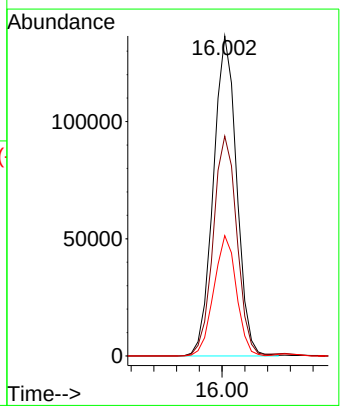
Manual Integrations APPROVED
mohammad
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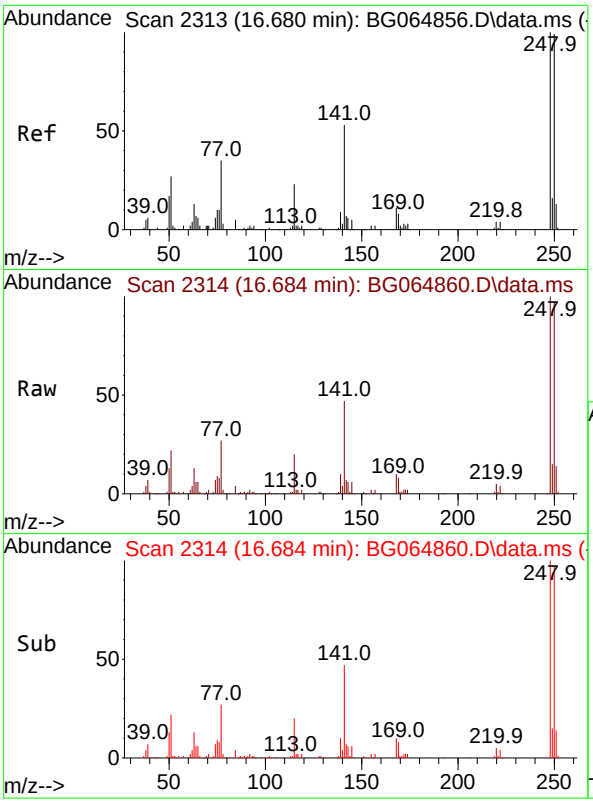


#67
N-Nitrosodiphenylamine
Concen: 34.123 ng/ul
RT: 16.002 min Scan# 2198
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:169 Resp: 194015

Ion	Ratio	Lower	Upper
169	100		
168	68.7	54.4	81.6
167	37.6	29.0	43.4

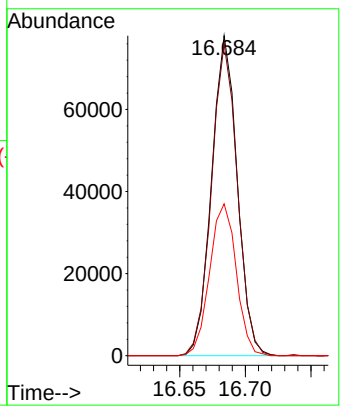


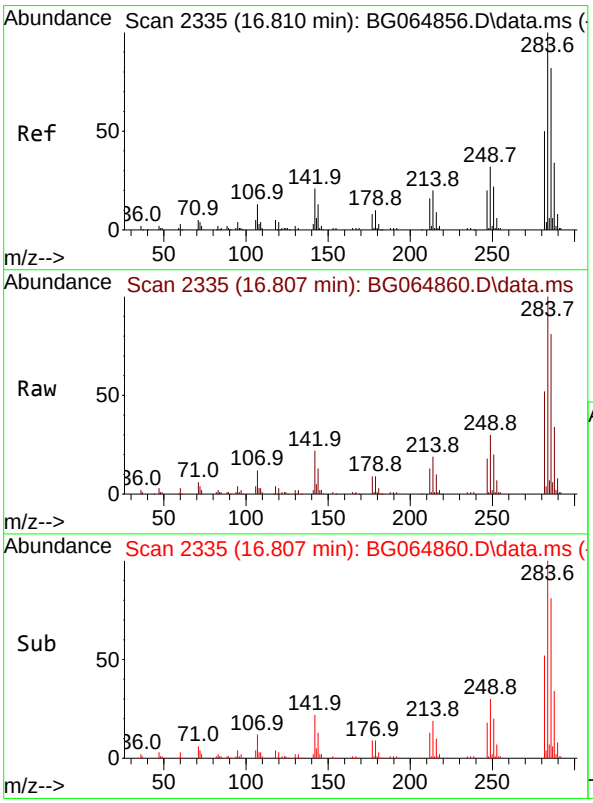


#68
4-Bromophenyl-phenylether
Concen: 37.557 ng/ul
RT: 16.684 min Scan# 2314
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:248 Resp: 105931

Ion	Ratio	Lower	Upper
248	100		
250	97.5	80.2	120.2
141	47.4	41.3	61.9

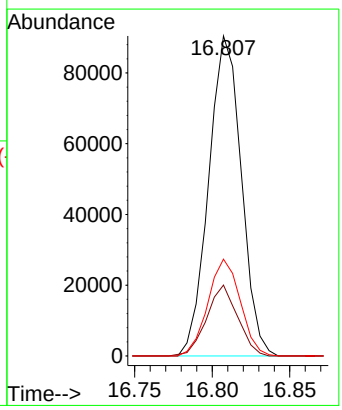




#69
Hexachlorobenzene
Concen: 38.671 ng/ul
RT: 16.807 min Scan# 2335
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

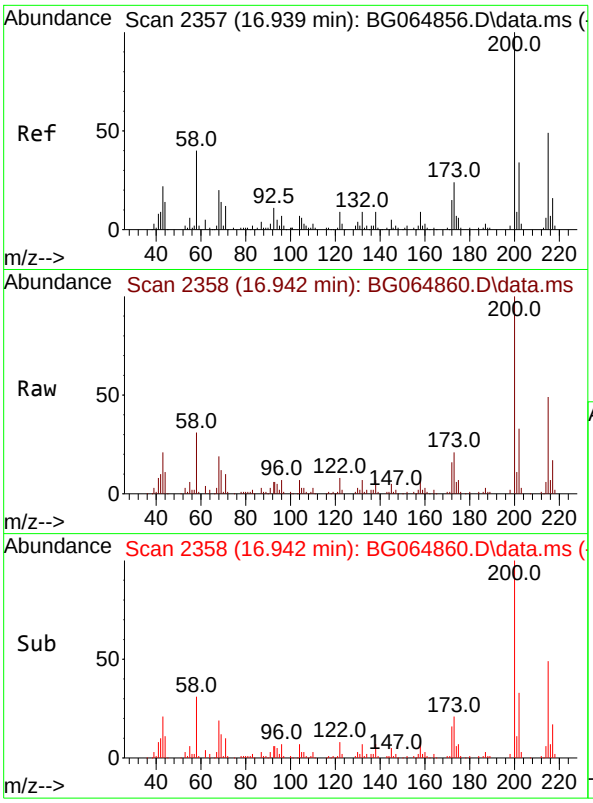
Tgt Ion:284 Resp: 132324

Ion	Ratio	Lower	Upper
284	100		
142	20.6	17.6	26.4
249	28.2	24.7	37.1



Instrument :
BNA_G
ClientSampleId :
M-31SMS

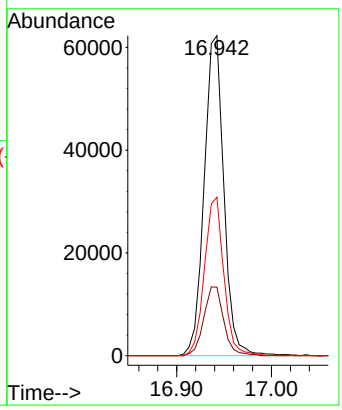
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#70
Atrazine
Concen: 32.952 ng/ul
RT: 16.942 min Scan# 2358
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

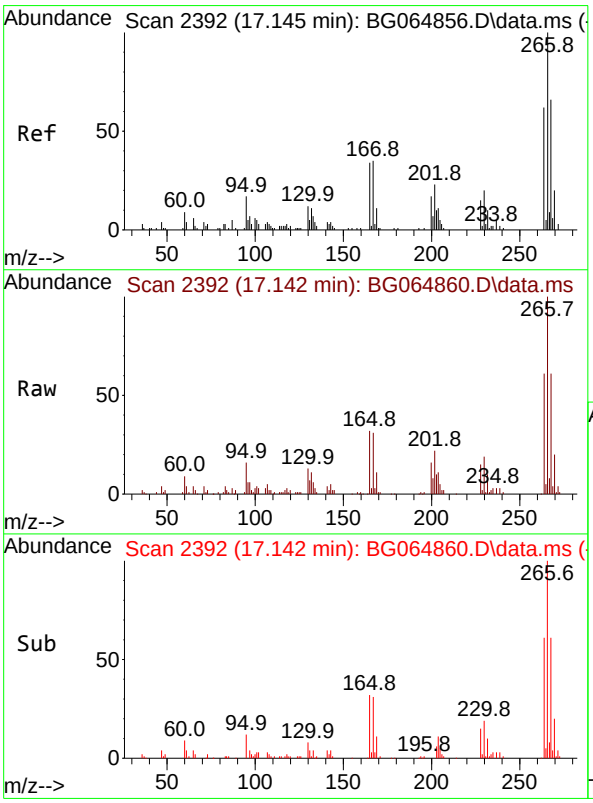
Tgt Ion:200 Resp: 89642

Ion	Ratio	Lower	Upper
200	100		
173	21.4	18.6	28.0
215	49.5	39.0	58.6



Instrument :
BNA_G
ClientSampleId :
M-31SMS

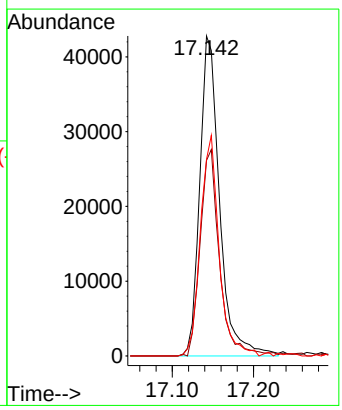
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

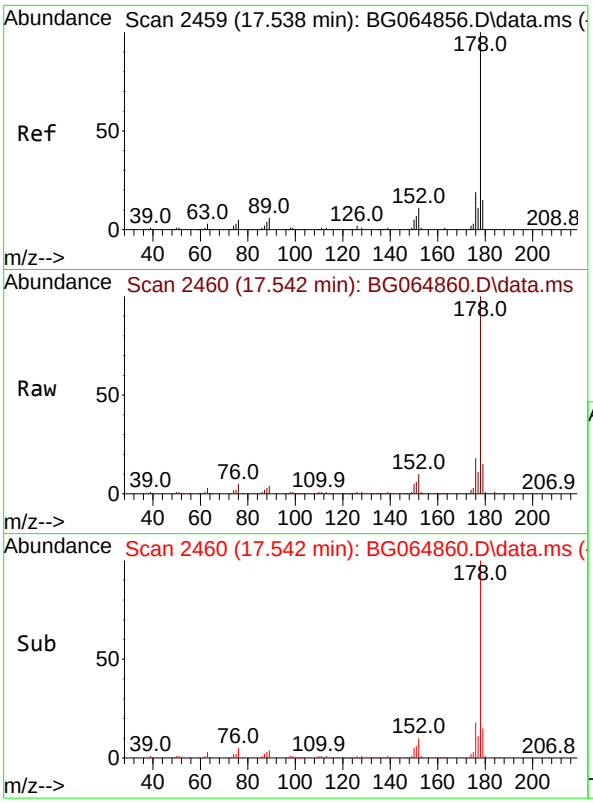


#71
Pentachlorophenol
Concen: 38.129 ng/ul
RT: 17.142 min Scan# 2392
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:266 Resp: 72449

Ion	Ratio	Lower	Upper
266	100		
264	61.1	48.8	73.2
268	65.8	53.0	79.4

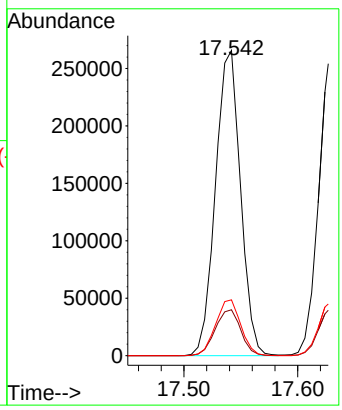


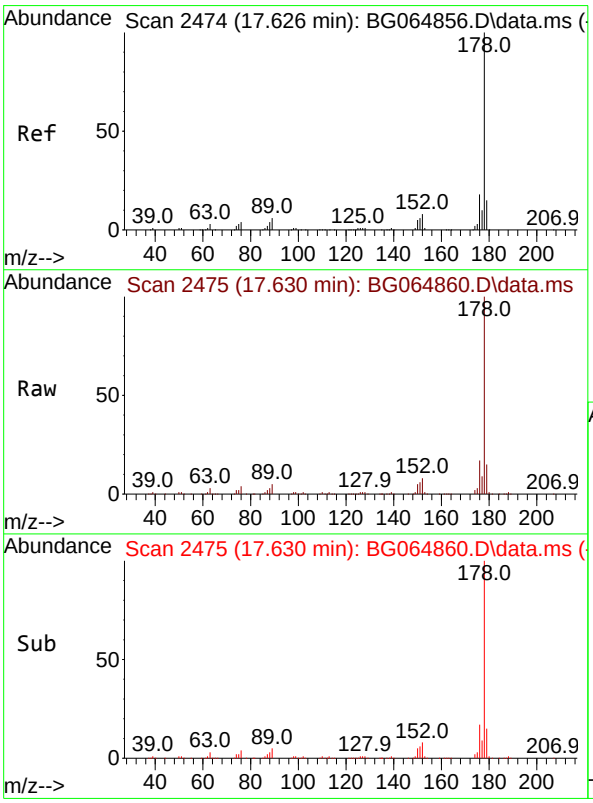


#72
Phenanthrene
Concen: 34.315 ng/ul
RT: 17.542 min Scan# 2460
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:178 Resp: 405953

Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.9	17.9
176	18.3	15.1	22.7

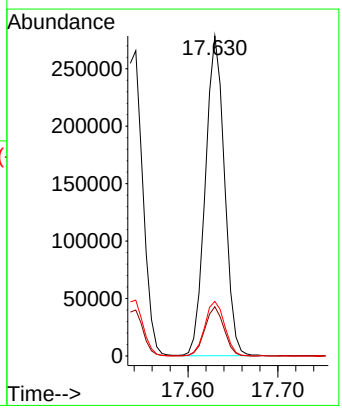




#74
Anthracene
Concen: 34.785 ng/ul
RT: 17.630 min Scan# 2475
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

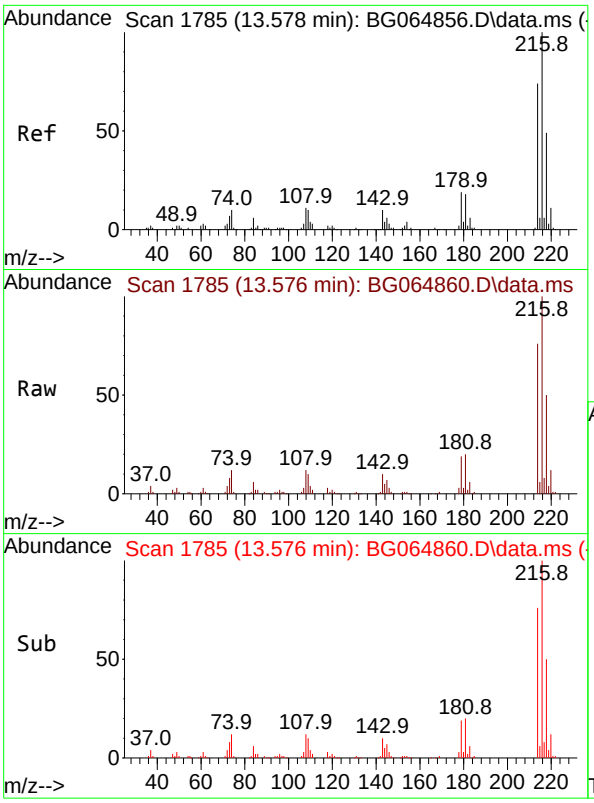
Tgt Ion:178 Resp: 412766

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	17.1	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
M-31SMS

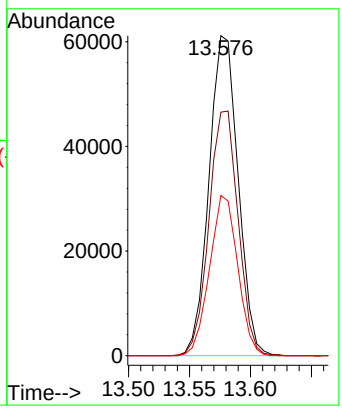
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#75
1,2,3,4-Tetrachlorobenzene
Concen: 31.973 ng/ul
RT: 13.576 min Scan# 1785
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

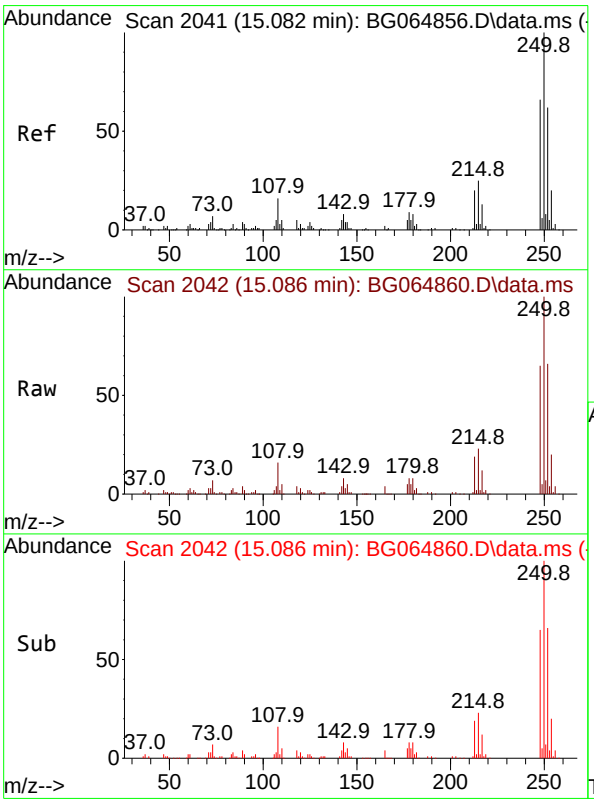
Tgt Ion:216 Resp: 101696

Ion	Ratio	Lower	Upper
216	100		
214	76.1	60.1	90.1
218	50.1	38.2	57.4



Instrument :
BNA_G
ClientSampleId :
M-31SMS

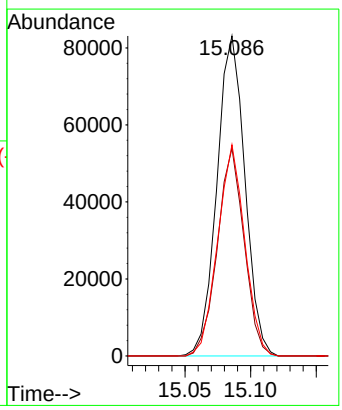
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

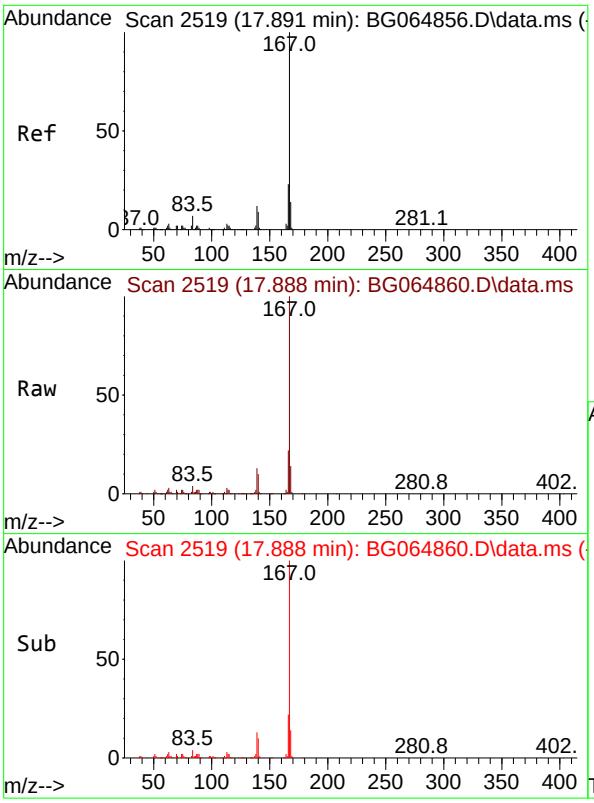


#76
Pentachlorobenzene
Concen: 34.158 ng/ul
RT: 15.086 min Scan# 2042
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:250 Resp: 123429

Ion	Ratio	Lower	Upper
250	100		
248	64.9	48.5	72.7
252	66.0	51.8	77.8

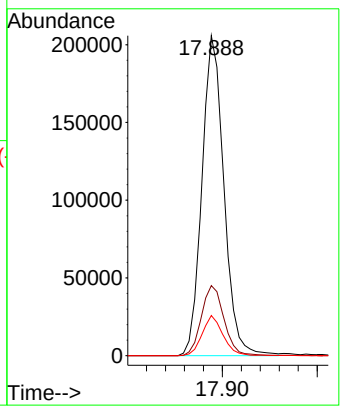


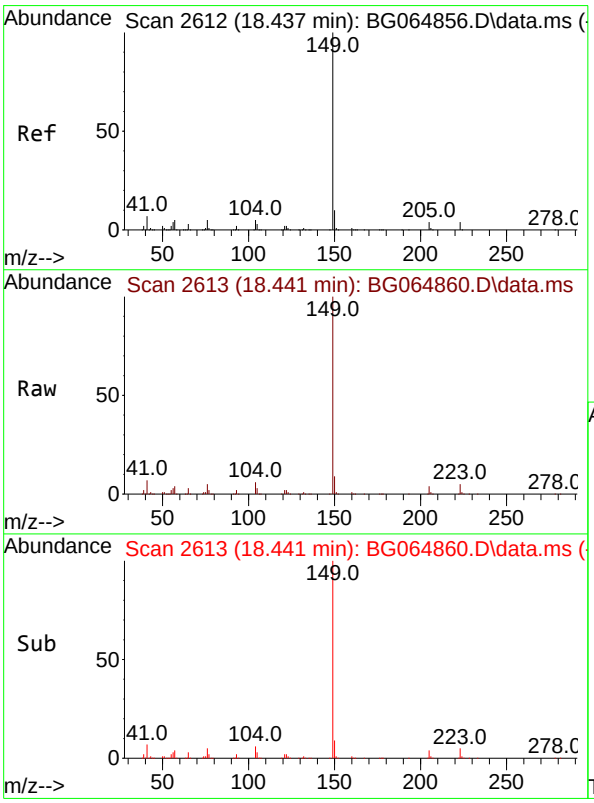


#77
Carbazole
Concen: 34.214 ng/ul
RT: 17.888 min Scan# 2519
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:167 Resp: 331087

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.9	26.9
139	12.6	9.4	14.2

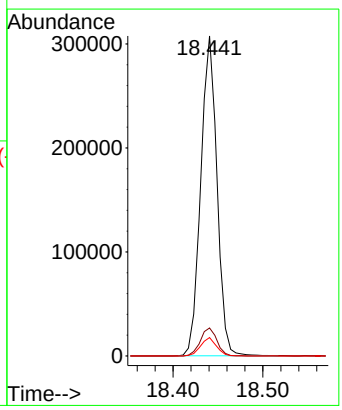




#78
Di-n-butylphthalate
Concen: 34.457 ng/ul
RT: 18.441 min Scan# 2613
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

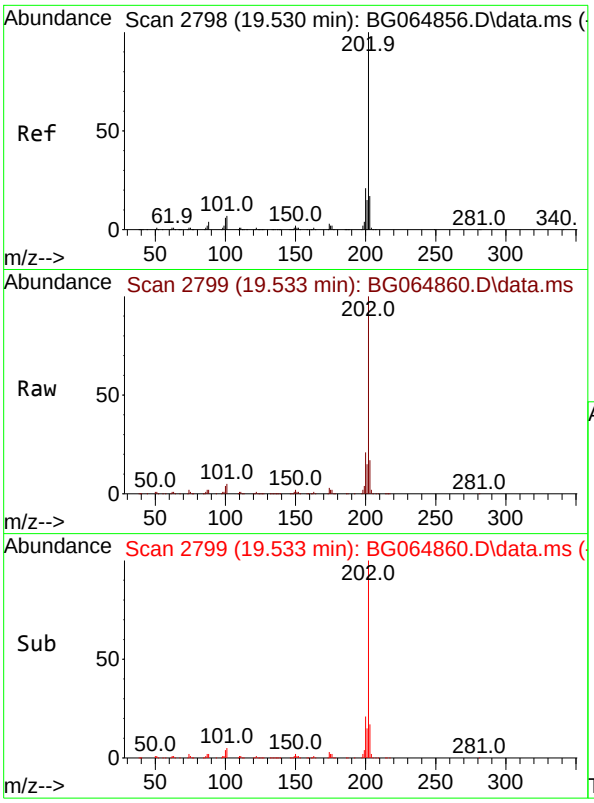
Tgt Ion:149 Resp: 385677

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	5.8	3.5	5.3#



Instrument :
BNA_G
ClientSampleId :
M-31SMS

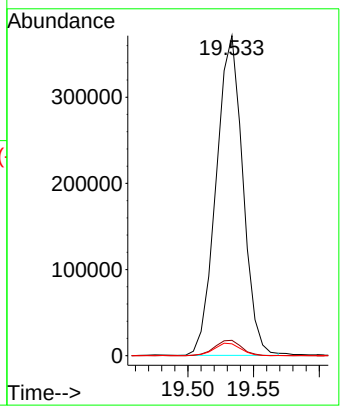
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

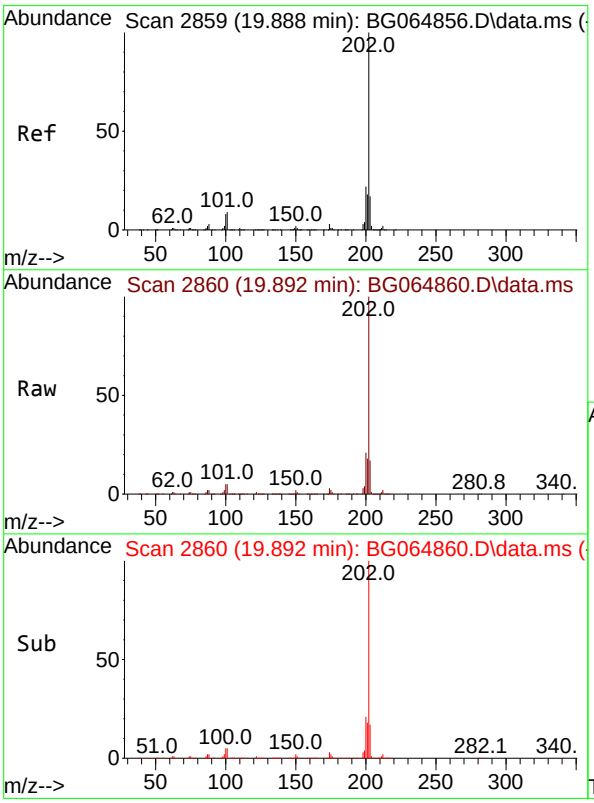


#80
Fluoranthene
Concen: 34.749 ng/ul
RT: 19.533 min Scan# 2799
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:202 Resp: 524160

Ion	Ratio	Lower	Upper
202	100		
101	4.8	5.5	8.3#
100	3.7	4.9	7.3#

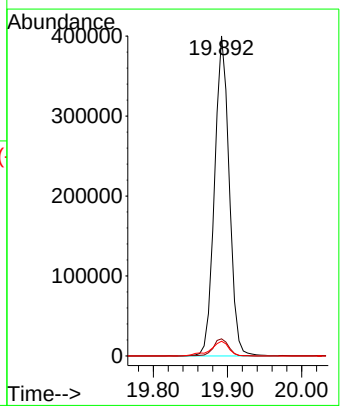




#82
Pyrene
Concen: 34.887 ng/ul
RT: 19.892 min Scan# 2860
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

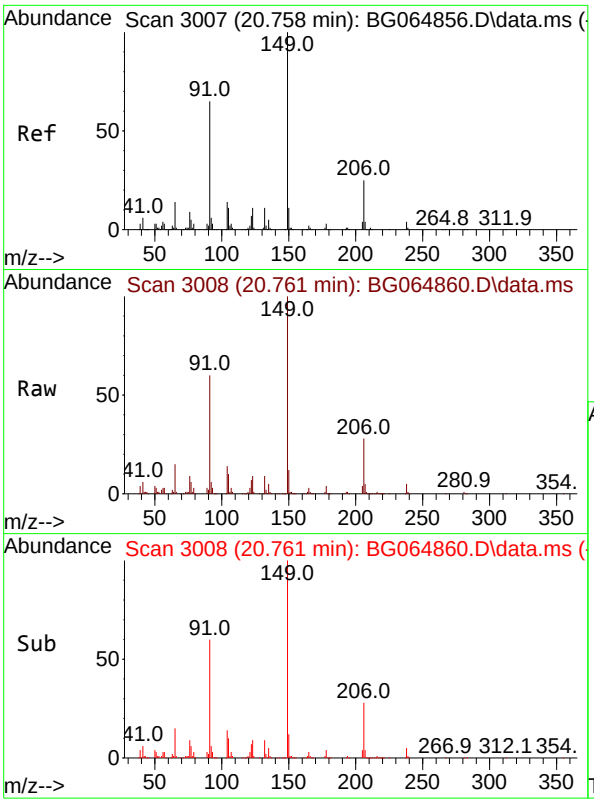
Tgt Ion:202 Resp: 549283

Ion	Ratio	Lower	Upper
202	100		
101	5.3	6.0	9.0#
100	4.6	5.4	8.2#



Instrument :
BNA_G
ClientSampleId :
M-31SMS

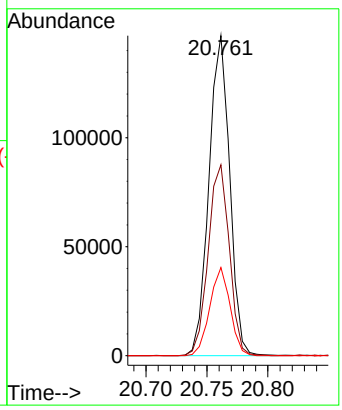
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#83
Butylbenzylphthalate
Concen: 33.370 ng/ul
RT: 20.761 min Scan# 3008
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

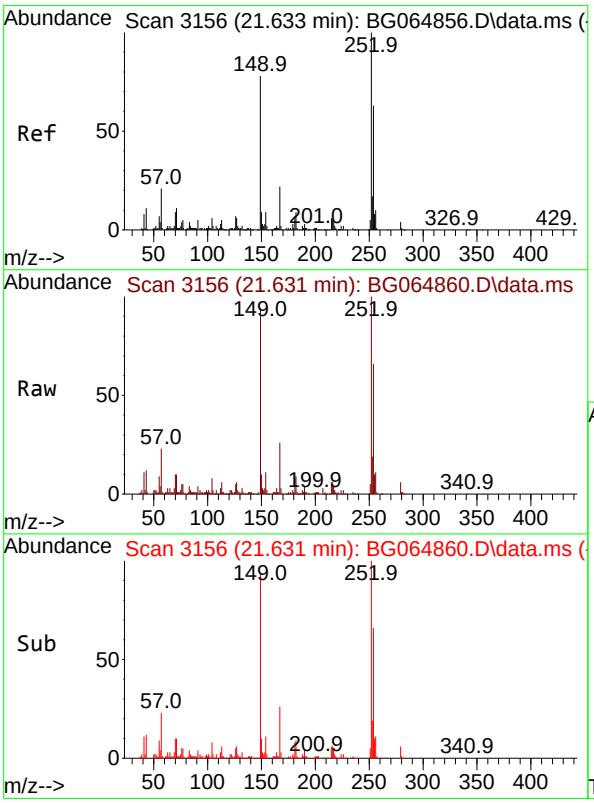
Tgt Ion:149 Resp: 173506

Ion	Ratio	Lower	Upper
149	100		
91	59.7	48.3	72.5
206	27.6	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
M-31SMS

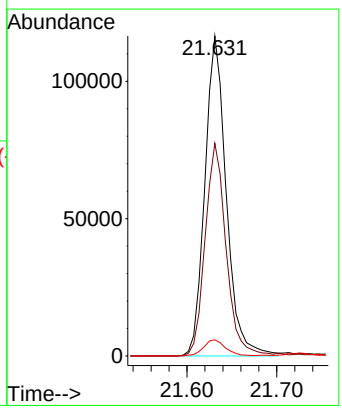
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

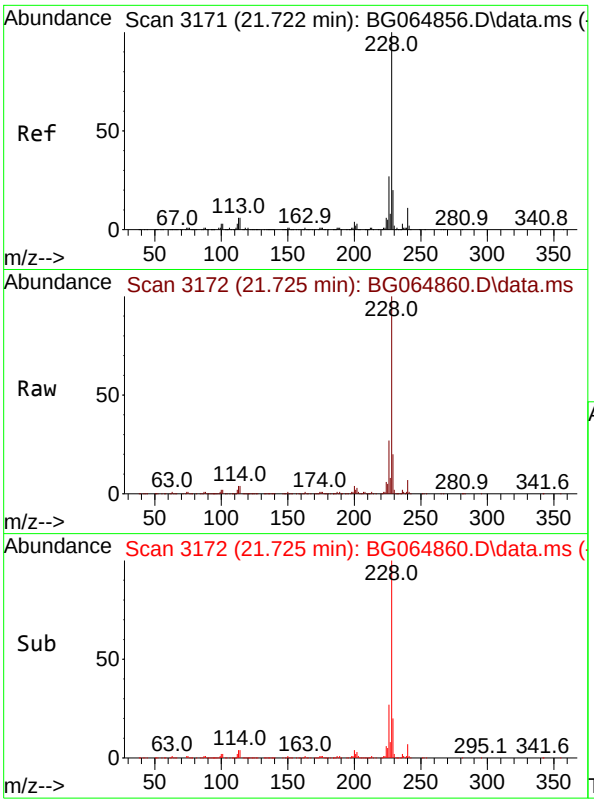


#84
3,3'-Dichlorobenzidine
Concen: 34.580 ng/ul
RT: 21.631 min Scan# 3156
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:252 Resp: 193054

Ion	Ratio	Lower	Upper
252	100		
254	66.5	51.9	77.9
126	5.1	4.6	7.0

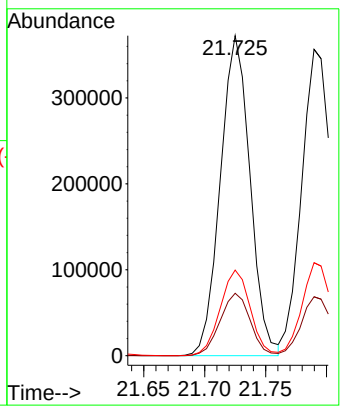




#85
Benzo(a)anthracene
Concen: 35.956 ng/ul
RT: 21.725 min Scan# 3172
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

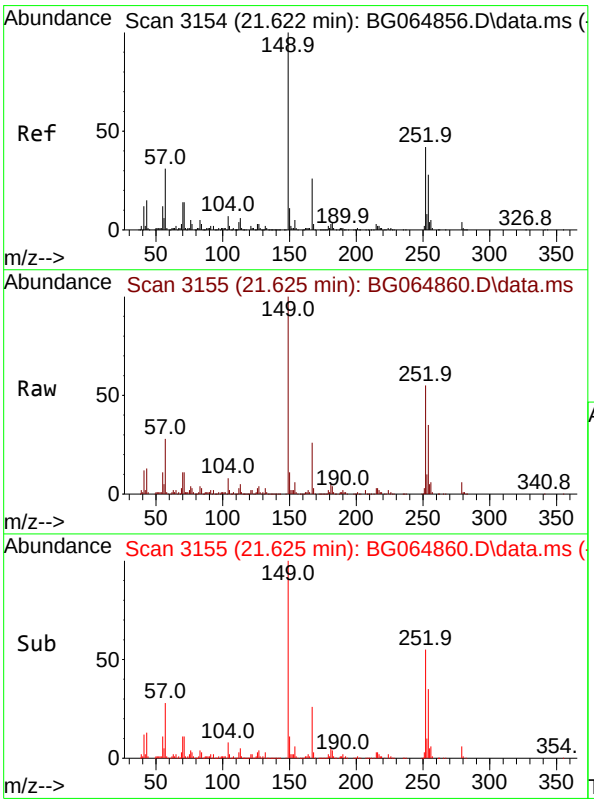
Tgt Ion:228 Resp: 631985

Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.2	22.8
226	26.8	21.6	32.4



Instrument :
BNA_G
ClientSampleId :
M-31SMS

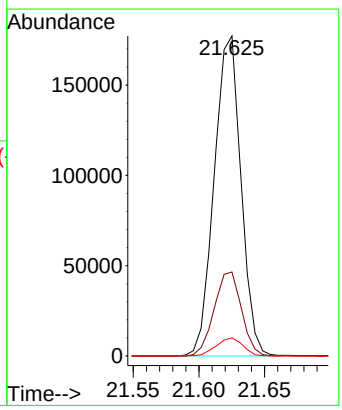
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

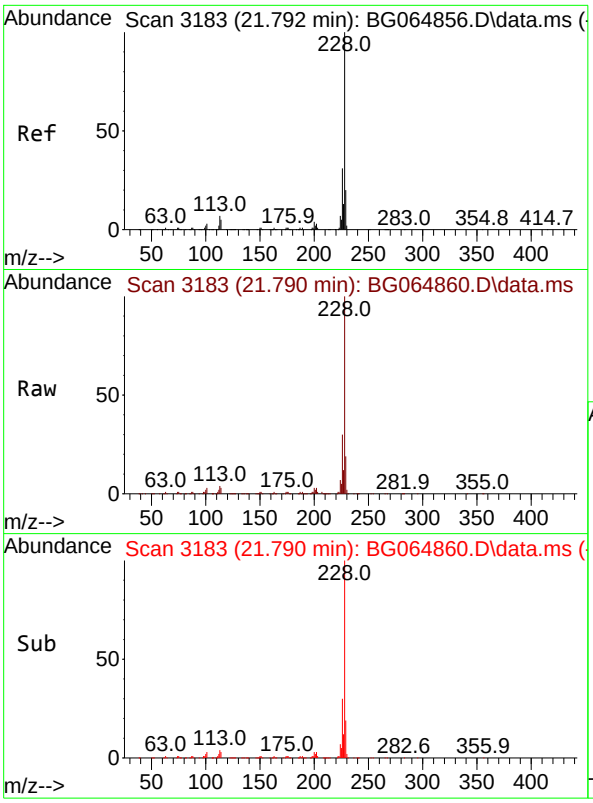


#86
Bis(2-ethylhexyl)phthalate
Concen: 32.644 ng/ul
RT: 21.625 min Scan# 3155
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:149 Resp: 251025

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.7	31.1
279	5.6	3.8	5.8

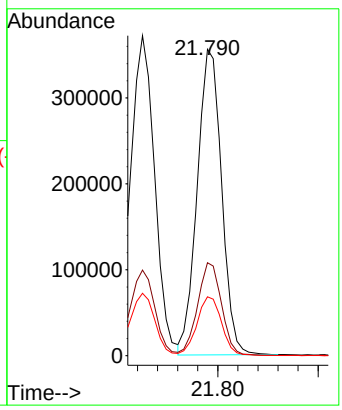


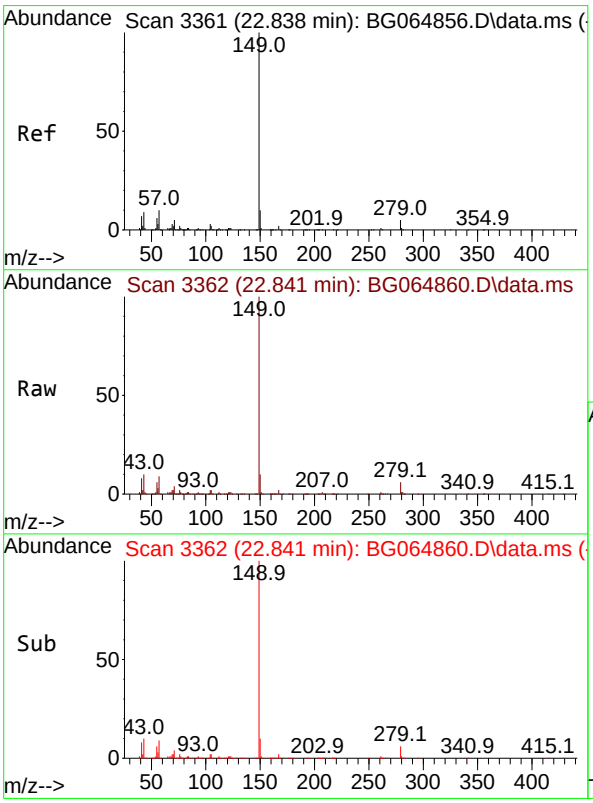


#87
Chrysene
Concen: 35.373 ng/ul
RT: 21.790 min Scan# 3183
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:228 Resp: 601788

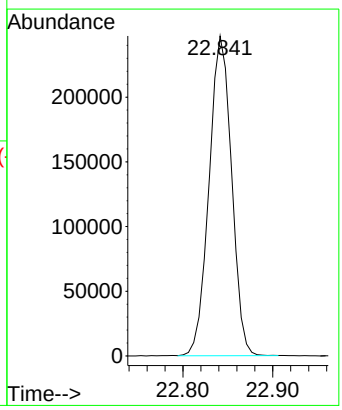
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	36.8
229	19.2	15.8	23.6





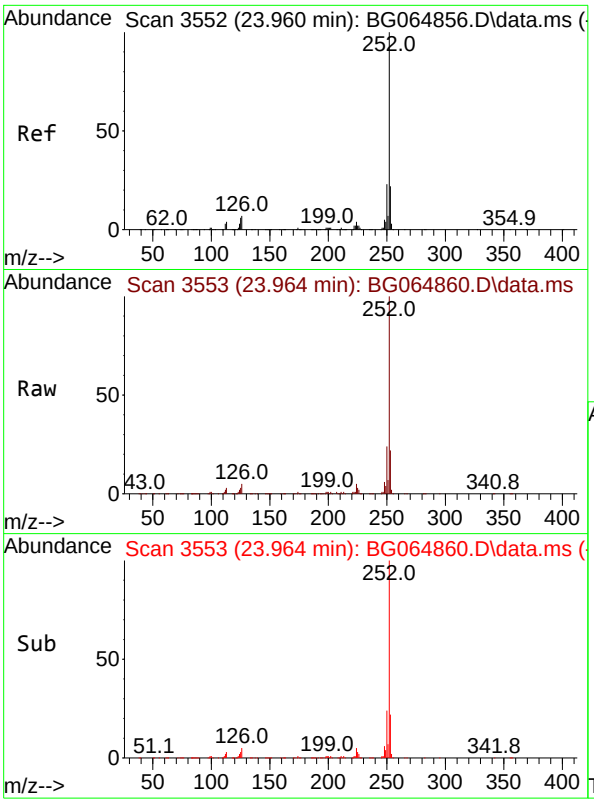
#89
Di-n-octyl phthalate
Concen: 32.332 ng/ul
RT: 22.841 min Scan# 3362
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:149 Resp: 430691



Instrument :
BNA_G
ClientSampleId :
M-31SMS

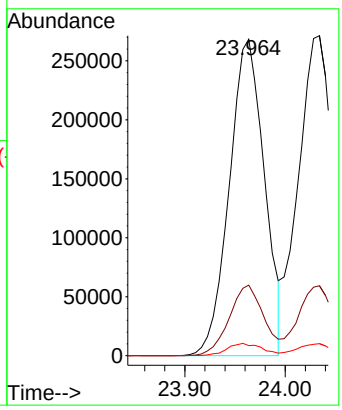
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#90
Benzo(b)fluoranthene
Concen: 36.200 ng/ul
RT: 23.964 min Scan# 3553
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

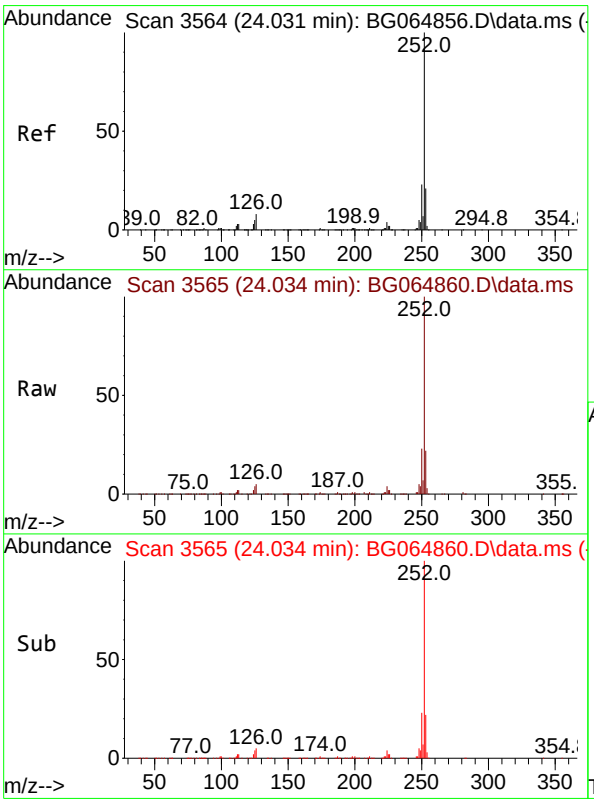
Tgt Ion:252 Resp: 651522

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	3.2	4.6	6.8#



Instrument :
BNA_G
ClientSampleId :
M-31SMS

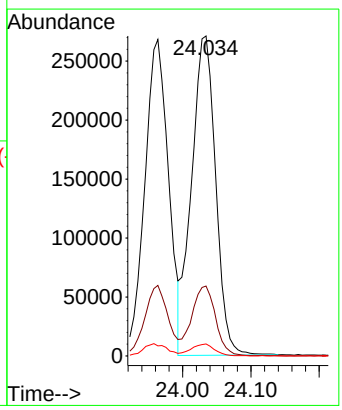
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

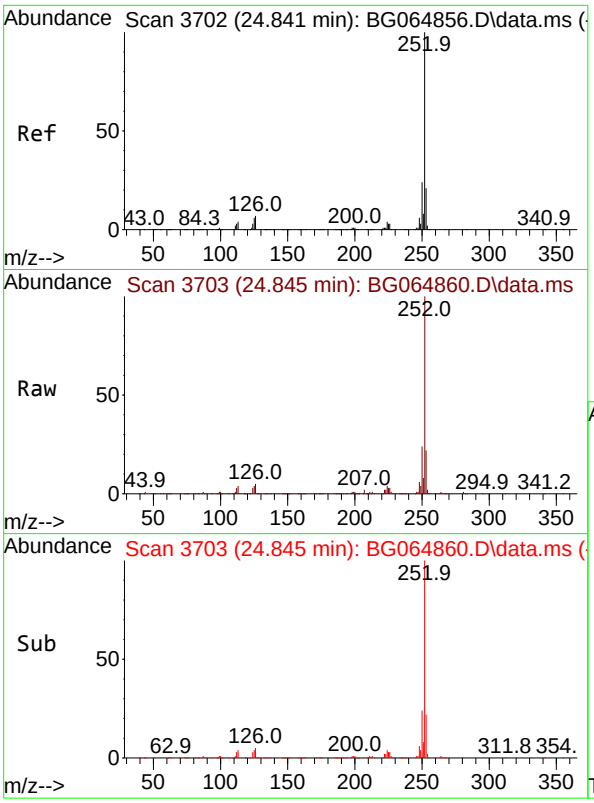


#91
Benzo(k)fluoranthene
Concen: 36.153 ng/ul
RT: 24.034 min Scan# 3565
Delta R.T. 0.010 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:252 Resp: 665791

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.6	28.0
125	3.7	4.1	6.1#

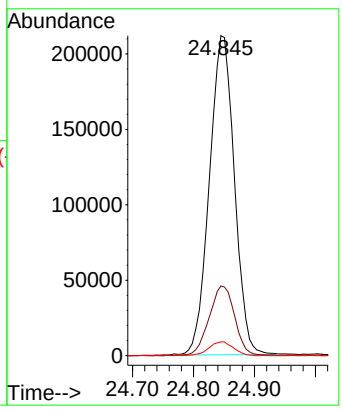




#93
Benzo(a)pyrene
Concen: 35.189 ng/ul
RT: 24.845 min Scan# 3703
Delta R.T. -0.002 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

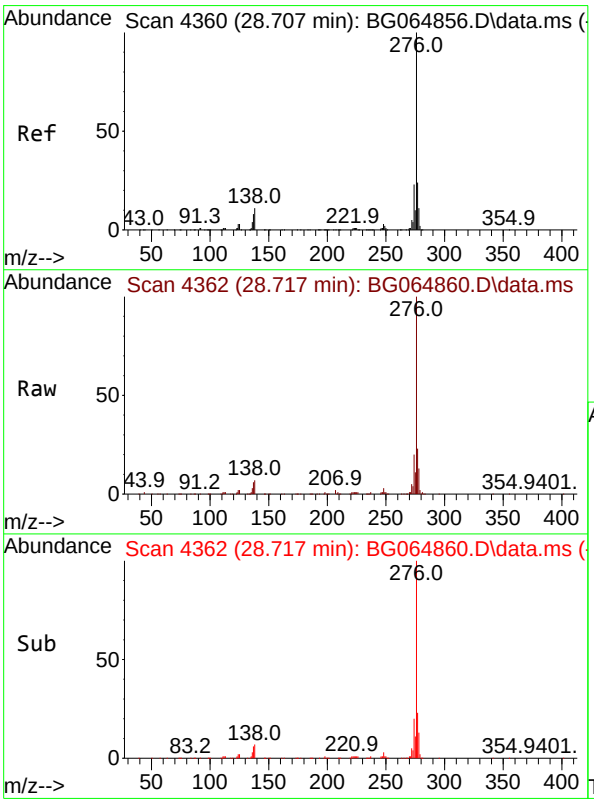
Tgt Ion:252 Resp: 602345

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	4.3	4.7	7.1#



Instrument :
BNA_G
ClientSampleId :
M-31SMS

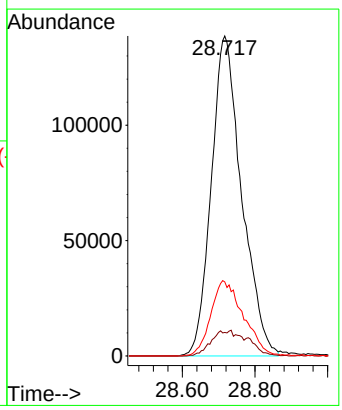
Manual Integrations APPROVED
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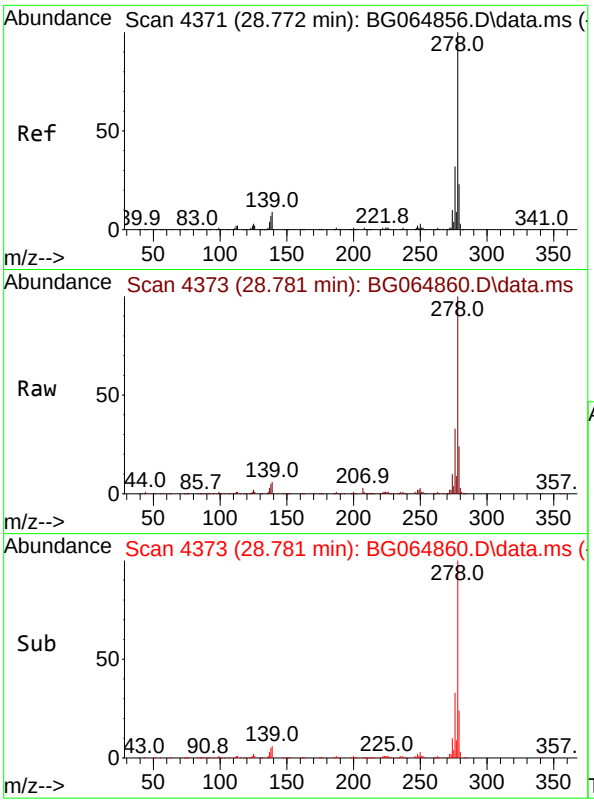


#94
Indeno(1,2,3-cd)pyrene
Concen: 36.692 ng/ul
RT: 28.717 min Scan# 4362
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:276 Resp: 806891

Ion	Ratio	Lower	Upper
276	100		
138	7.3	9.0	13.4#
277	23.2	18.5	27.7

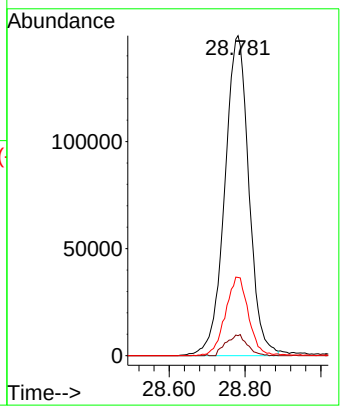




#95
Dibenzo(a,h)anthracene
Concen: 37.225 ng/ul
RT: 28.781 min Scan# 4373
Delta R.T. 0.003 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

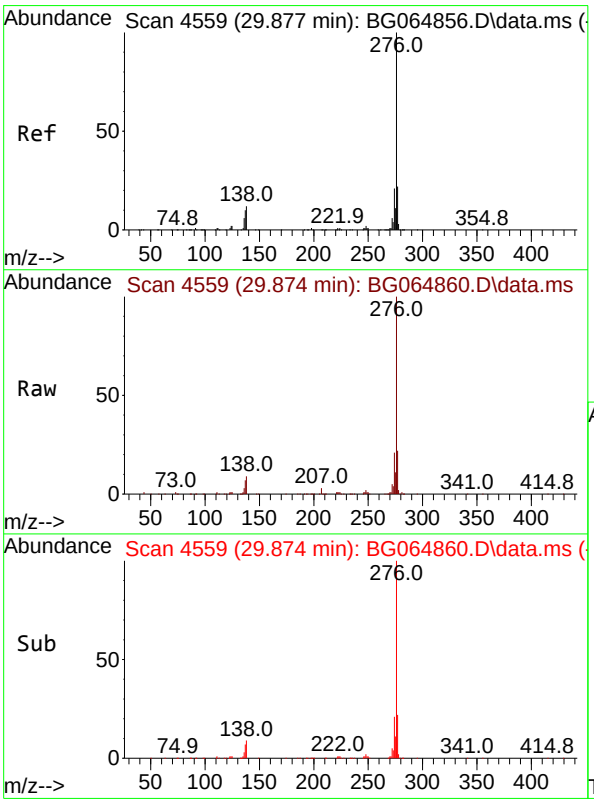
Tgt Ion:278 Resp: 660397

Ion	Ratio	Lower	Upper
278	100		
139	6.3	6.6	9.8#
279	24.4	18.6	27.8



Instrument :
BNA_G
ClientSampleId :
M-31SMS

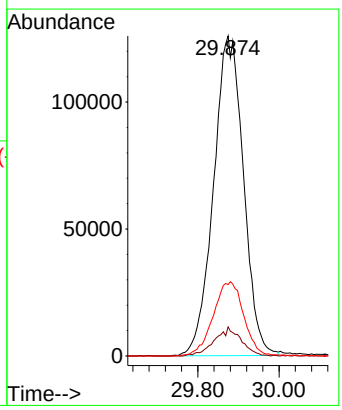
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#96
Benzo(g,h,i)perylene
Concen: 36.270 ng/ul
RT: 29.874 min Scan# 4559
Delta R.T. 0.004 min
Lab File: BG064860.D
Acq: 25 Nov 2025 14:33

Tgt Ion:276 Resp: 643814

Ion	Ratio	Lower	Upper
276	100		
138	9.1	9.8	14.8#
277	22.3	18.1	27.1



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	23571	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	95070	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	83007	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	211567	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	262166	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	292313	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	2198	3.696	ng/uL	0.00
4) Pyridine-d5	3.911	84	18510	11.296	ng/ul	0.00
7) Phenol-d5	7.295	99	18985	9.991	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.471	67	25894	21.308	ng/ul	0.00
11) 2-Chlorophenol-d4	7.689	132	34118	23.685	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	30787	18.799	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	18877	26.326	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	22586	26.519	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	51038	29.065	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	56175	25.027	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	226699	34.720	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	186266	26.637	ng/ul	0.00
54) 4-Nitrophenol-d4	14.933	143	13727	13.867	ng/ul	0.00
60) Fluorene-d10	15.750	176	187656	32.014	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	53437	39.451	ng/ul	0.00
73) Anthracene-d10	17.595	188	388441	36.336	ng/ul	0.00
81) Pyrene-d10	19.862	212	491538	36.501	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.774	264	558335	36.203	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	3260	4.739	ng/uL	93
5) Pyridine	3.928	79	19774	11.022	ng/ul	87
6) Benzaldehyde	7.277	77	14064	15.070	ng/ul#	88
8) Phenol	7.324	94	21754	10.967	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.565	93	34850	23.758	ng/ul	98
12) 2-Chlorophenol	7.718	128	36595	23.987	ng/ul#	94
13) 2-Methylphenol	8.587	108	33265	21.185	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.681	45	73150	23.752	ng/ul	99
16) Acetophenone	8.975	105	69482	25.793	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.958	70	33741	26.111	ng/ul	93
18) 4-Methylphenol	8.916	108	33688	19.555	ng/ul	88
19) Hexachloroethane	9.257	117	11556	16.973	ng/ul	90
22) Nitrobenzene	9.363	77	49443	26.846	ng/ul	99
23) Isophorone	9.886	82	101194	28.047	ng/ul	96
25) 2-Nitrophenol	10.080	139	24627	27.504	ng/ul#	92
26) 2,4-Dimethylphenol	10.127	107	45327	23.502	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.362	93	51929	25.664	ng/ul#	97
29) 2,4-Dichlorophenol	10.615	162	49196	30.039	ng/ul	97
30) Naphthalene	11.026	128	132400	24.233	ng/ul	99
32) 4-Chloroaniline	11.120	127	32996	14.443	ng/ul	100
33) Hexachlorobutadiene	11.314	225	41627	24.232	ng/ul	87
34) Caprolactam	11.866	113	11841m	20.691	ng/ul	
35) 4-Chloro-3-methylphenol	12.224	107	54653	30.644	ng/ul	91
36) 2-Methylnaphthalene	12.618	142	111017	27.115	ng/ul	99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 17:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.835	142	112731	28.130	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.976	216	96677	30.315	ng/ul	97
40) Hexachlorocyclopentadiene	12.959	237	49148	22.245	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.211	196	59618	33.818	ng/ul	95
42) 2,4,5-Trichlorophenol	13.282	196	67003	36.070	ng/ul	95
43) 1,1'-Biphenyl	13.605	154	166516	28.494	ng/ul	98
44) 2-Chloronaphthalene	13.652	162	132488	28.880	ng/ul	99
45) 2-Nitroaniline	13.840	65	47787	35.039	ng/ul	94
47) Dimethylphthalate	14.210	163	226232	33.952	ng/ul	98
48) 2,6-Dinitrotoluene	14.328	165	44557	36.443	ng/ul	95
50) Acenaphthylene	14.492	152	235840	29.480	ng/ul	98
51) 3-Nitroaniline	14.657	138	36700	34.608	ng/ul	97
52) Acenaphthene	14.833	153	155256	29.597	ng/ul	96
53) 2,4-Dinitrophenol	14.857	184	27958	38.884	ng/ul#	86
55) 4-Nitrophenol	14.951	109	15051	16.448	ng/ul	89
56) Dibenzofuran	15.162	168	248803	31.073	ng/ul	99
57) 2,4-Dinitrotoluene	15.109	165	71705	38.548	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.380	232	81066	38.539	ng/ul	96
59) Diethylphthalate	15.568	149	227224	34.723	ng/ul	98
61) Fluorene	15.808	166	202102	32.178	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.797	204	131109	34.231	ng/ul	98
63) 4-Nitroaniline	15.808	138	42080m	38.540	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.873	198	50539	38.392	ng/ul#	88
67) N-Nitrosodiphenylamine	16.002	169	194015	34.123	ng/ul	99
68) 4-Bromophenyl-phenylether	16.684	248	105931	37.557	ng/ul	96
69) Hexachlorobenzene	16.807	284	132324	38.671	ng/ul	96
70) Atrazine	16.942	200	89642	32.952	ng/ul	98
71) Pentachlorophenol	17.142	266	72449	38.129	ng/ul	100
72) Phenanthrene	17.542	178	405953	34.315	ng/ul	99
74) Anthracene	17.630	178	412766	34.785	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.576	216	101696	31.973	ng/ul	98
76) Pentachlorobenzene	15.086	250	123429	34.158	ng/ul	96
77) Carbazole	17.888	167	331087	34.214	ng/ul	99
78) Di-n-butylphthalate	18.441	149	385677	34.457	ng/ul#	98
80) Fluoranthene	19.533	202	524160	34.749	ng/ul#	93
82) Pyrene	19.892	202	549283	34.887	ng/ul#	94
83) Butylbenzylphthalate	20.761	149	173506	33.370	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.631	252	193054	34.580	ng/ul	98
85) Benzo(a)anthracene	21.725	228	631985	35.956	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.625	149	251025	32.644	ng/ul	99
87) Chrysene	21.790	228	601788	35.373	ng/ul	99
89) Di-n-octyl phthalate	22.841	149	430691	32.332	ng/ul	100
90) Benzo(b)fluoranthene	23.964	252	651522	36.200	ng/ul#	97
91) Benzo(k)fluoranthene	24.034	252	665791	36.153	ng/ul#	97
93) Benzo(a)pyrene	24.845	252	602345	35.189	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.717	276	806891	36.692	ng/ul#	97
95) Dibenzo(a,h)anthracene	28.781	278	660397	37.225	ng/ul#	97
96) Benzo(g,h,i)perylene	29.874	276	643814	36.270	ng/ul#	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

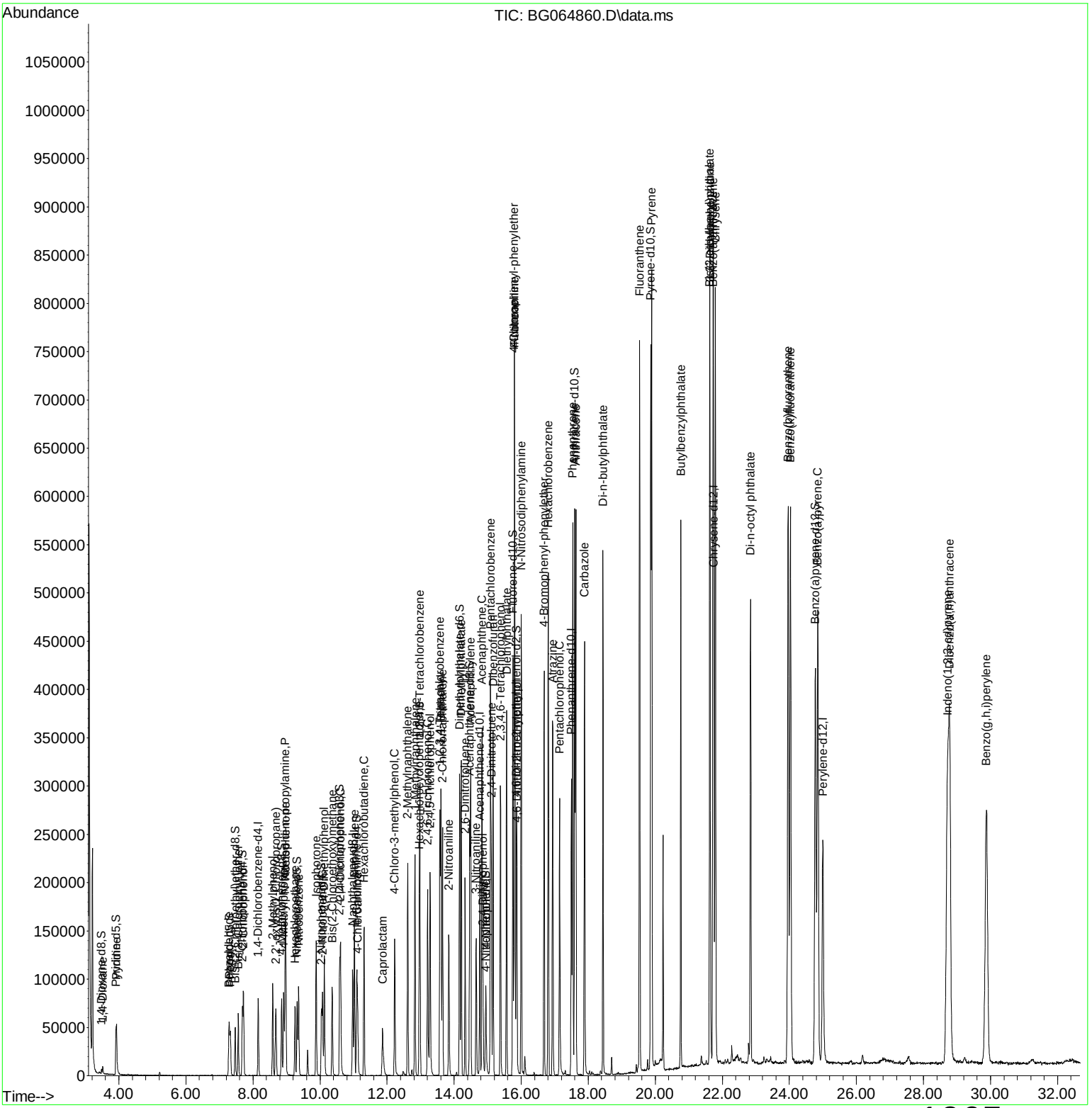
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 17:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



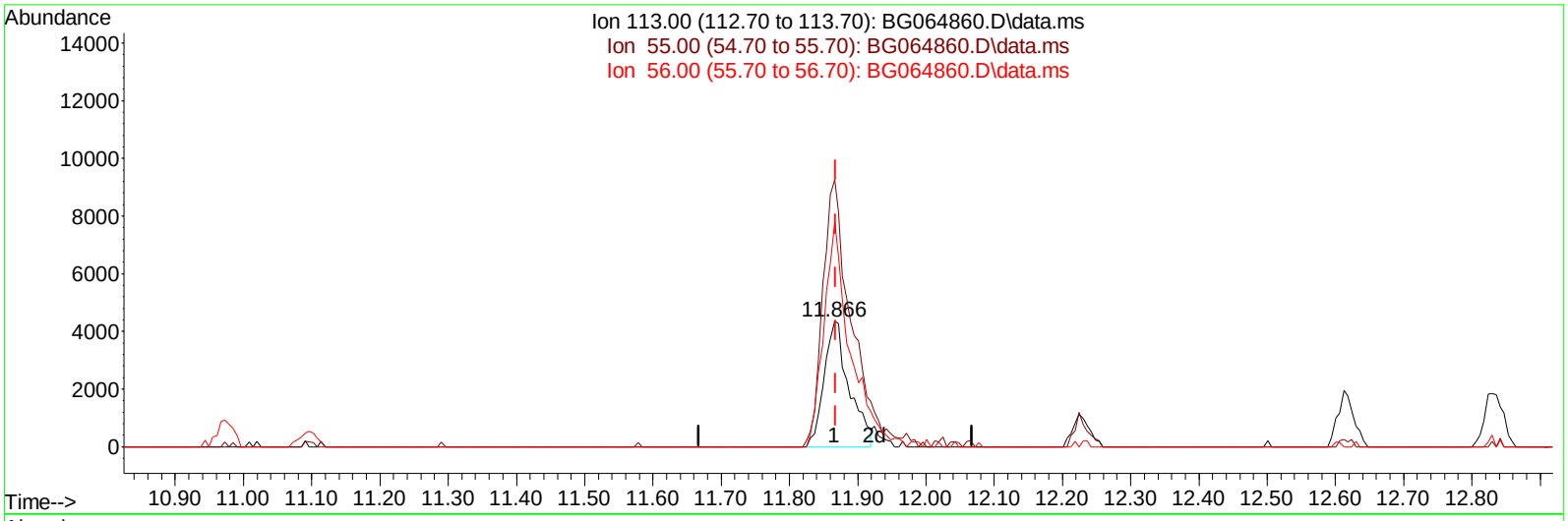
Quantitation Report (Qedit)

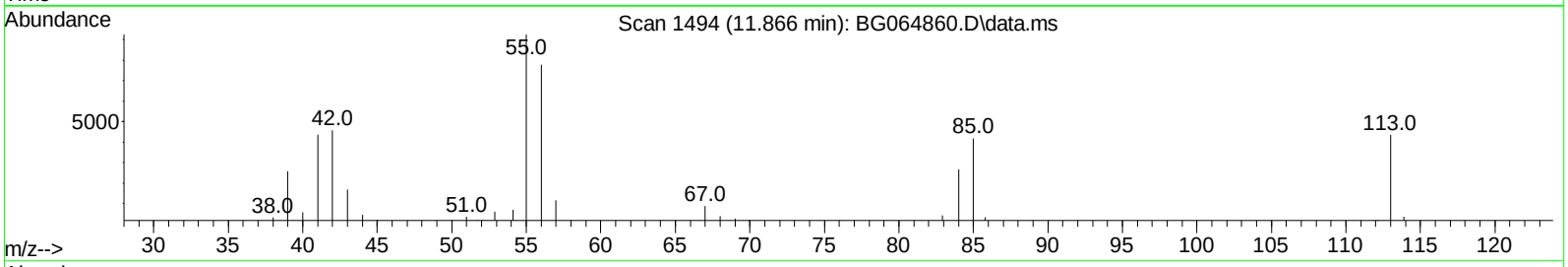
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Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

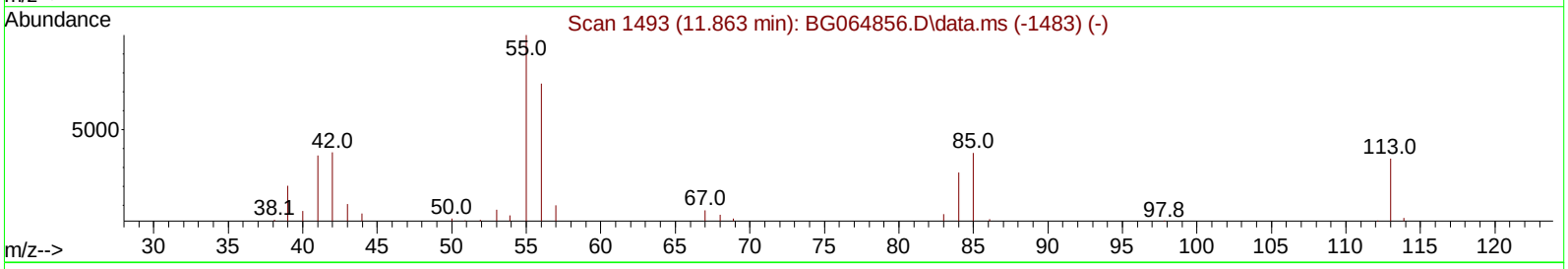
Quant Time: Nov 25 17:07:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064860.D\data.ms

(34) Caprolactam

11.866min (-0.002) 19.47 ng/ul

response 11140

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	212.41
56.00	159.40	178.62
0.00	0.00	0.00

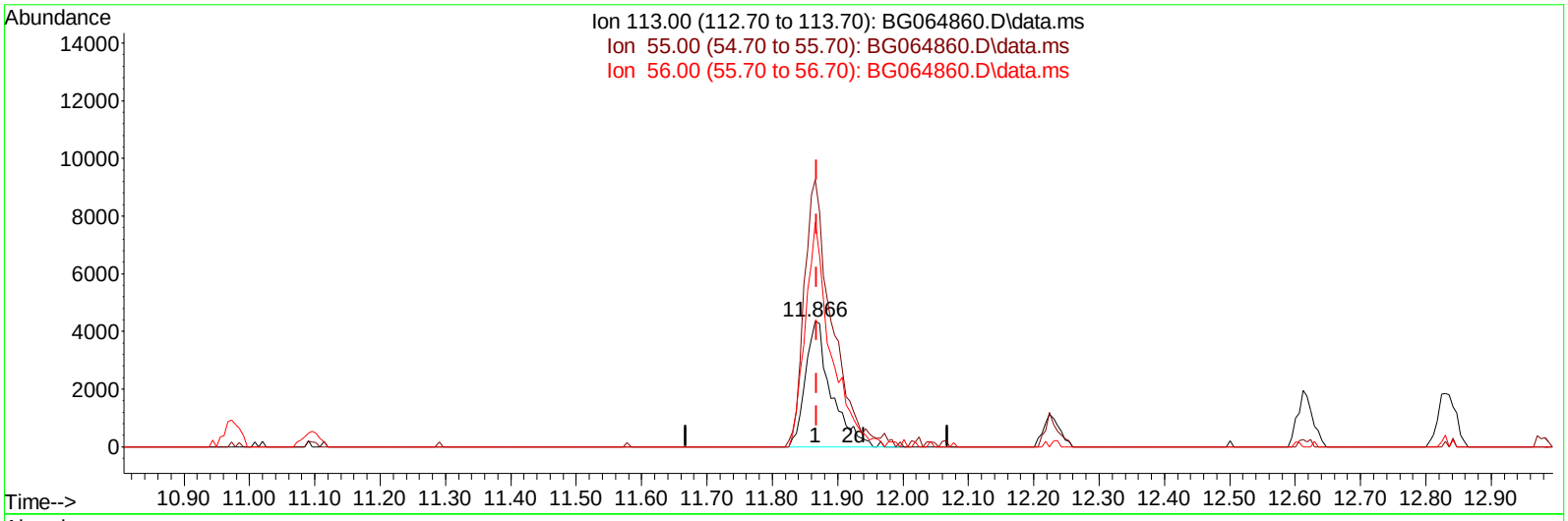
Quantitation Report (Qedit)

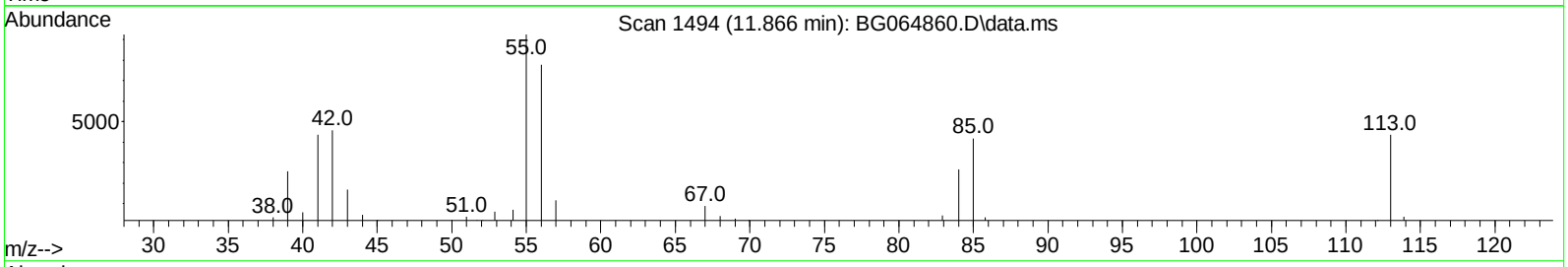
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

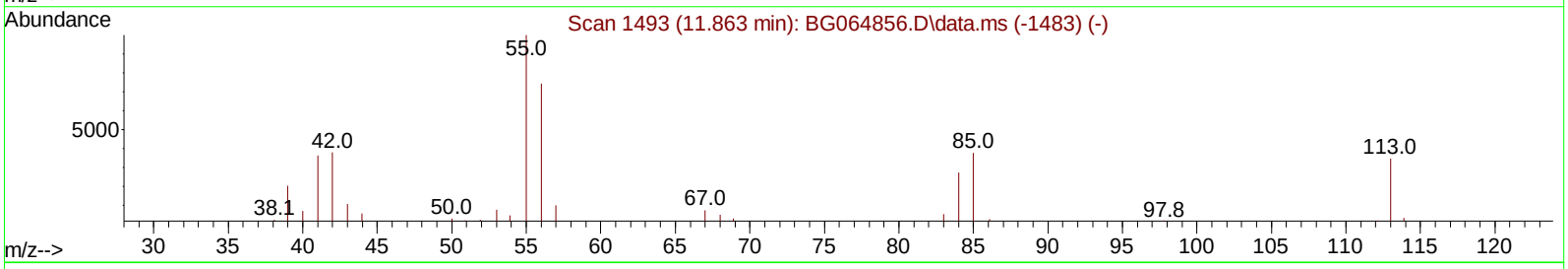
Quant Time: Nov 25 17:07:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064860.D\data.ms

(34) Caprolactam

11.866min (-0.002) 20.69 ng/ul m

response 11841

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	212.41
56.00	159.40	178.62
0.00	0.00	0.00

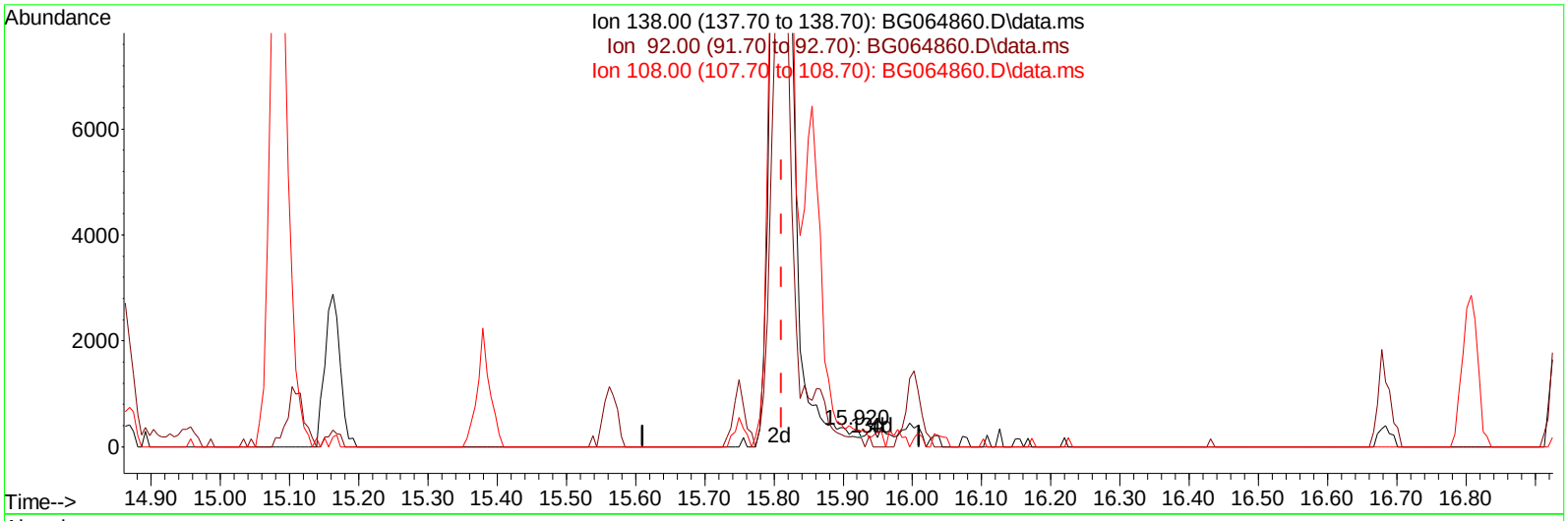
Quantitation Report (Qedit)

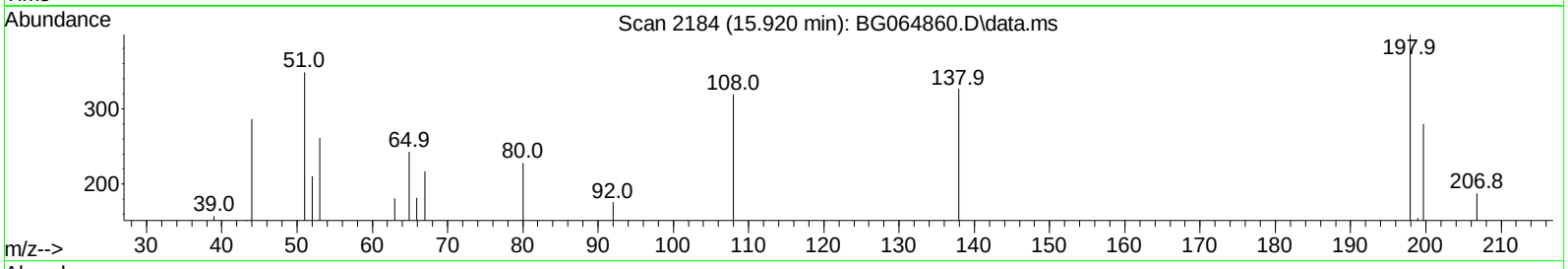
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

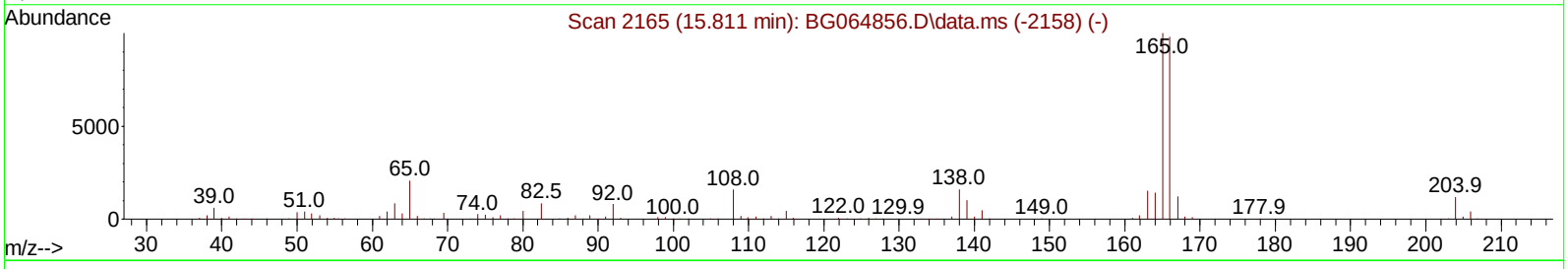
Quant Time: Nov 25 17:07:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064860.D\data.ms

(63) 4-Nitroaniline

15.920min (+ 0.110) 0.08 ng/ul

response 90

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	49.10	53.99
108.00	92.30	97.85
0.00	0.00	0.00

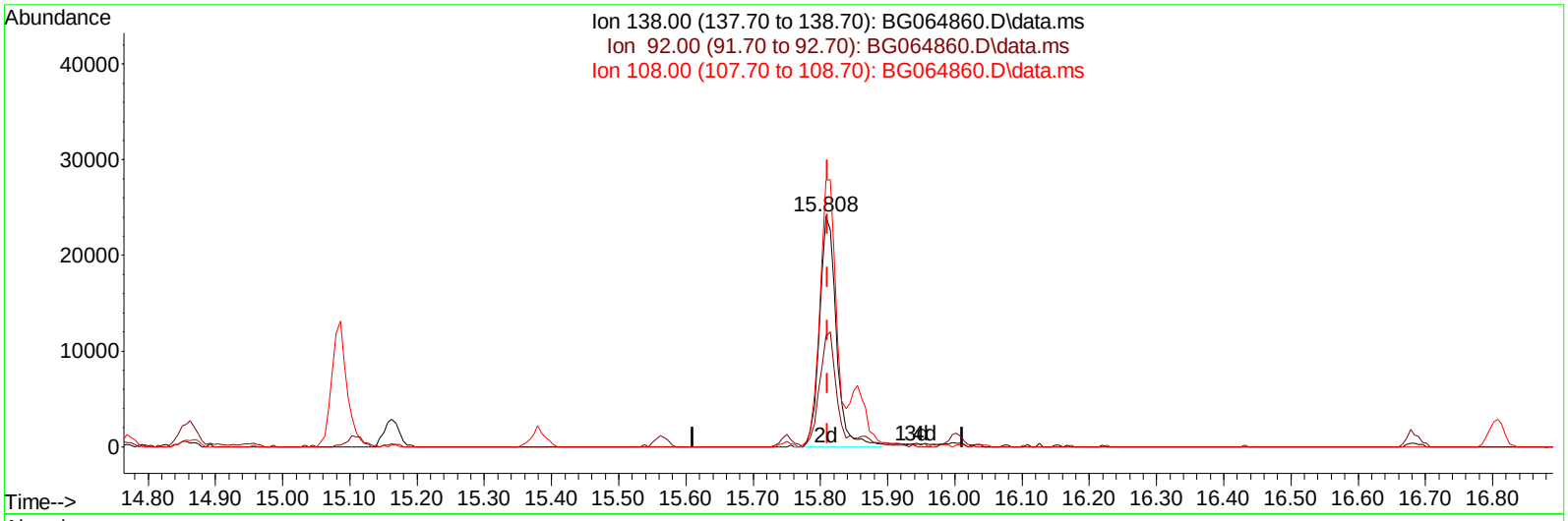
Quantitation Report (Qedit)

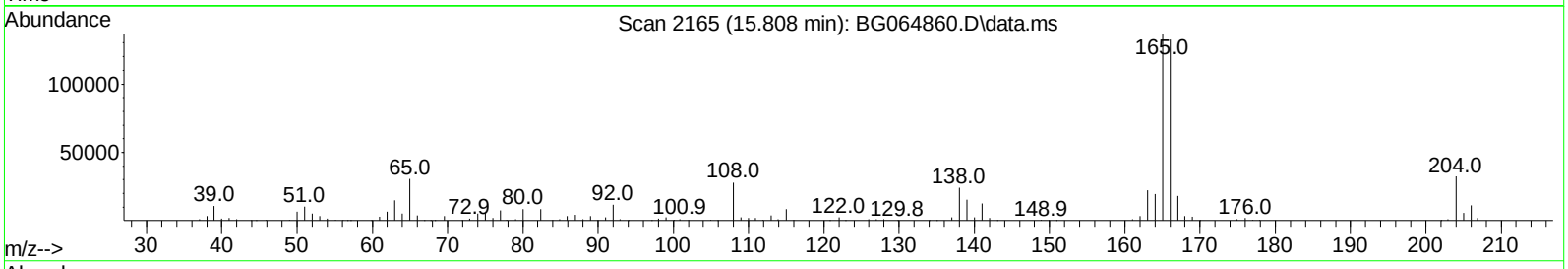
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Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

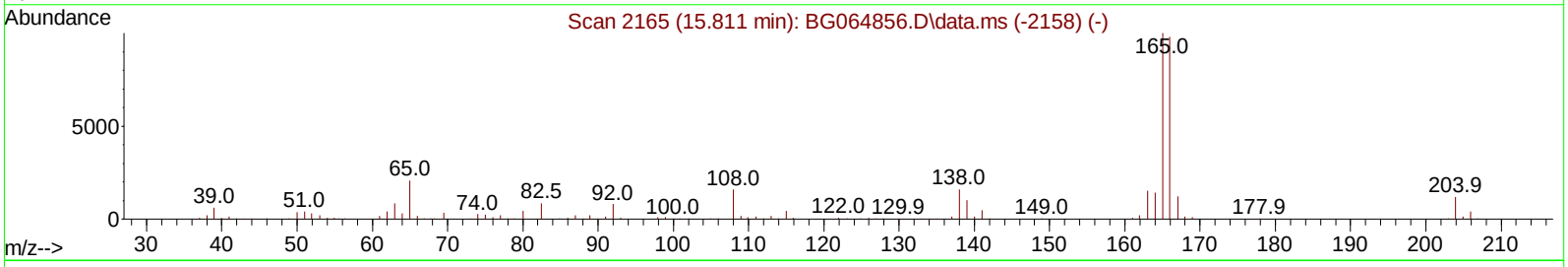
Quant Time: Nov 25 17:07:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064860.D\data.ms

(63) 4-Nitroaniline

15.808min (-0.002) 38.54 ng/ul m

response 42080

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	49.10	47.75
108.00	92.30	115.56#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	23571	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	95070	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	83007	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	211567	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	262166	20.000	ng/ul	# 0.00
88) Perylene-d12	24.998	264	292313	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	2198	3.696	ng/uL	0.00
4) Pyridine-d5	3.911	84	18510	11.296	ng/ul	0.00
7) Phenol-d5	7.295	99	18985	9.991	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.471	67	25894	21.308	ng/ul	0.00
11) 2-Chlorophenol-d4	7.689	132	34118	23.685	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	30787	18.799	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	18877	26.326	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	22586	26.519	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	51038	29.065	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	56175	25.027	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	226699	34.720	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	186266	26.637	ng/ul	0.00
54) 4-Nitrophenol-d4	14.933	143	13727	13.867	ng/ul	0.00
60) Fluorene-d10	15.750	176	187656	32.014	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	53437	39.451	ng/ul	0.00
73) Anthracene-d10	17.595	188	388441	36.336	ng/ul	0.00
81) Pyrene-d10	19.862	212	491538	36.501	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.774	264	558335	36.203	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	3260	4.739	ng/uL	93
5) Pyridine	3.928	79	19774	11.022	ng/ul	87
6) Benzaldehyde	7.277	77	14064	15.070	ng/ul#	88
8) Phenol	7.324	94	21754	10.967	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.565	93	34850	23.758	ng/ul	98
12) 2-Chlorophenol	7.718	128	36595	23.987	ng/ul#	94
13) 2-Methylphenol	8.587	108	33265	21.185	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.681	45	73150	23.752	ng/ul	99
16) Acetophenone	8.975	105	69482	25.793	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.958	70	33741	26.111	ng/ul	93
18) 4-Methylphenol	8.916	108	33688	19.555	ng/ul	88
19) Hexachloroethane	9.257	117	11556	16.973	ng/ul	90
22) Nitrobenzene	9.363	77	49443	26.846	ng/ul	99
23) Isophorone	9.886	82	101194	28.047	ng/ul	96
25) 2-Nitrophenol	10.080	139	24627	27.504	ng/ul#	92
26) 2,4-Dimethylphenol	10.127	107	45327	23.502	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.362	93	51929	25.664	ng/ul#	97
29) 2,4-Dichlorophenol	10.615	162	49196	30.039	ng/ul	97
30) Naphthalene	11.026	128	132400	24.233	ng/ul	99
32) 4-Chloroaniline	11.120	127	32996	14.443	ng/ul	100
33) Hexachlorobutadiene	11.314	225	41627	24.232	ng/ul	87
34) Caprolactam	11.866	113	11841m	20.691	ng/ul	
35) 4-Chloro-3-methylphenol	12.224	107	54653	30.644	ng/ul	91

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064860.D
Acq On : 25 Nov 2025 14:33
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31SMS

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.618	142	111017	27.115 ng/ul	99
37) 1-Methylnaphthalene	12.835	142	112731	28.130 ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.976	216	96677	30.315 ng/ul	97
40) Hexachlorocyclopentadiene	12.959	237	49148	22.245 ng/ul#	93
41) 2,4,6-Trichlorophenol	13.211	196	59618	33.818 ng/ul	95
42) 2,4,5-Trichlorophenol	13.282	196	67003	36.070 ng/ul	95
43) 1,1'-Biphenyl	13.605	154	166516	28.494 ng/ul	98
44) 2-Chloronaphthalene	13.652	162	132488	28.880 ng/ul	99
45) 2-Nitroaniline	13.840	65	47787	35.039 ng/ul	94
47) Dimethylphthalate	14.210	163	226232	33.952 ng/ul	98
48) 2,6-Dinitrotoluene	14.328	165	44557	36.443 ng/ul	95
50) Acenaphthylene	14.492	152	235840	29.480 ng/ul	98
51) 3-Nitroaniline	14.657	138	36700	34.608 ng/ul	97
52) Acenaphthene	14.833	153	155256	29.597 ng/ul	96
53) 2,4-Dinitrophenol	14.857	184	27958	38.884 ng/ul#	86
55) 4-Nitrophenol	14.951	109	15051	16.448 ng/ul	89
56) Dibenzofuran	15.162	168	248803	31.073 ng/ul	99
57) 2,4-Dinitrotoluene	15.109	165	71705	38.548 ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.380	232	81066	38.539 ng/ul	96
59) Diethylphthalate	15.568	149	227224	34.723 ng/ul	98
61) Fluorene	15.808	166	202102	32.178 ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.797	204	131109	34.231 ng/ul	98
63) 4-Nitroaniline	15.808	138	42080m	38.540 ng/ul	
66) 4,6-Dinitro-2-methylph...	15.873	198	50539	38.392 ng/ul#	88
67) N-Nitrosodiphenylamine	16.002	169	194015	34.123 ng/ul	99
68) 4-Bromophenyl-phenylether	16.684	248	105931	37.557 ng/ul	96
69) Hexachlorobenzene	16.807	284	132324	38.671 ng/ul	96
70) Atrazine	16.942	200	89642	32.952 ng/ul	98
71) Pentachlorophenol	17.142	266	72449	38.129 ng/ul	100
72) Phenanthrene	17.542	178	405953	34.315 ng/ul	99
74) Anthracene	17.630	178	412766	34.785 ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.576	216	101696	31.973 ng/ul	98
76) Pentachlorobenzene	15.086	250	123429	34.158 ng/ul	96
77) Carbazole	17.888	167	331087	34.214 ng/ul	99
78) Di-n-butylphthalate	18.441	149	385677	34.457 ng/ul#	98
80) Fluoranthene	19.533	202	524160	34.749 ng/ul#	93
82) Pyrene	19.892	202	549283	34.887 ng/ul#	94
83) Butylbenzylphthalate	20.761	149	173506	33.370 ng/ul	98
84) 3,3'-Dichlorobenzidine	21.631	252	193054	34.580 ng/ul	98
85) Benzo(a)anthracene	21.725	228	631985	35.956 ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.625	149	251025	32.644 ng/ul	99
87) Chrysene	21.790	228	601788	35.373 ng/ul	99
89) Di-n-octyl phthalate	22.841	149	430691	32.332 ng/ul	100
90) Benzo(b)fluoranthene	23.964	252	651522	36.200 ng/ul#	97
91) Benzo(k)fluoranthene	24.034	252	665791	36.153 ng/ul#	97
93) Benzo(a)pyrene	24.845	252	602345	35.189 ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.717	276	806891	36.692 ng/ul#	97
95) Dibenzo(a,h)anthracene	28.781	278	660397	37.225 ng/ul#	97
96) Benzo(g,h,i)perylene	29.874	276	643814	36.270 ng/ul#	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMSD

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : Q3688-03MSD
Sample wt/vol : 980 (g/mL) mL
Lab File ID : BG064861.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	32	
117-81-7	Bis(2-ethylhexyl)phthalate	31	

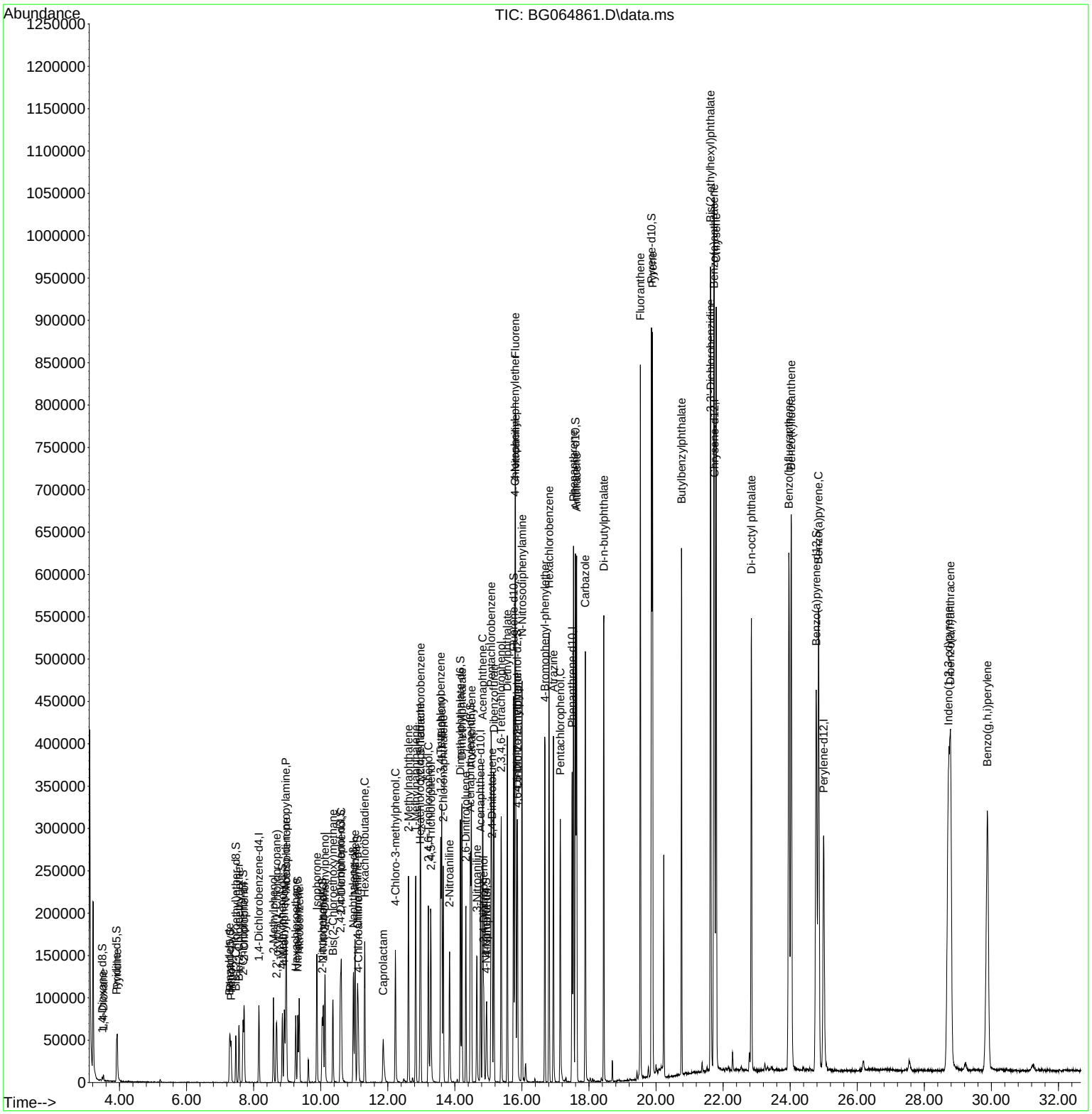
Quantitation Report (QT Reviewed)

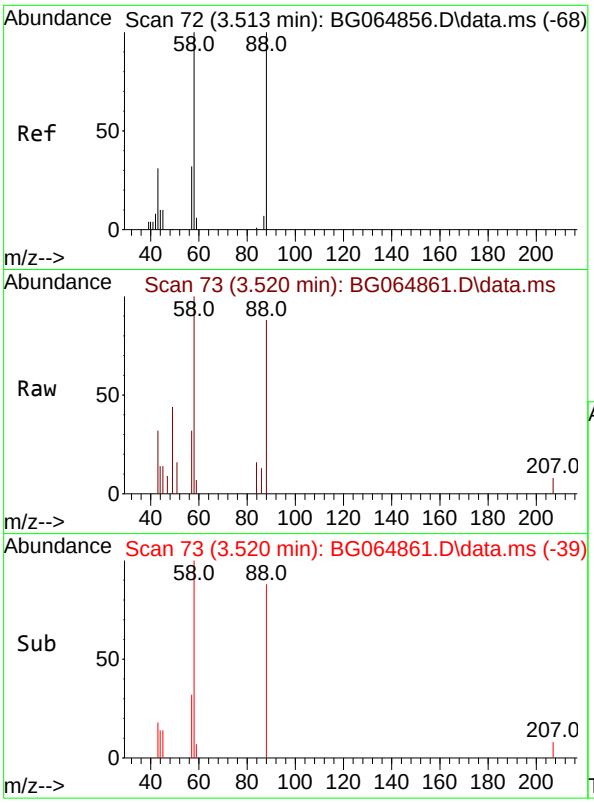
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064861.D
Acq On : 25 Nov 2025 15:14
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMSD

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

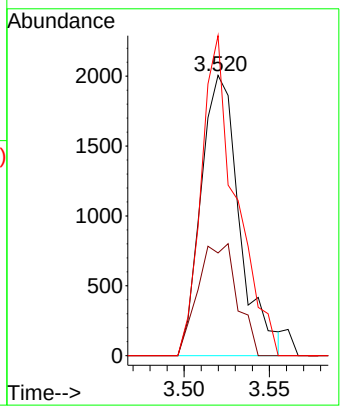


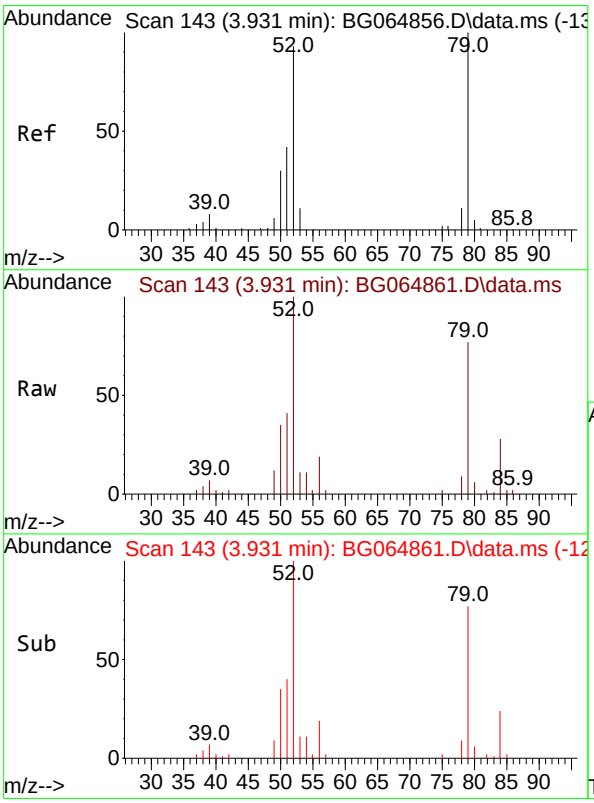


#2
1,4-Dioxane
Concen: 3.931 ng/uL
RT: 3.520 min Scan# 73
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion: 88 Resp: 3154

Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.6	44.4
58	114.2	87.8	131.6

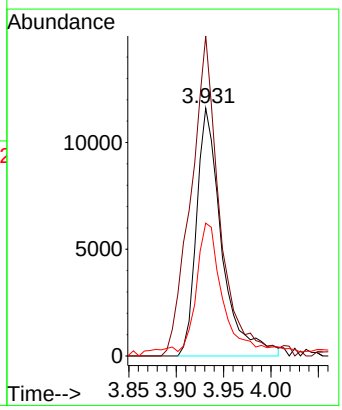




#5
Pyridine
Concen: 10.275 ng/ul
RT: 3.931 min Scan# 143
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

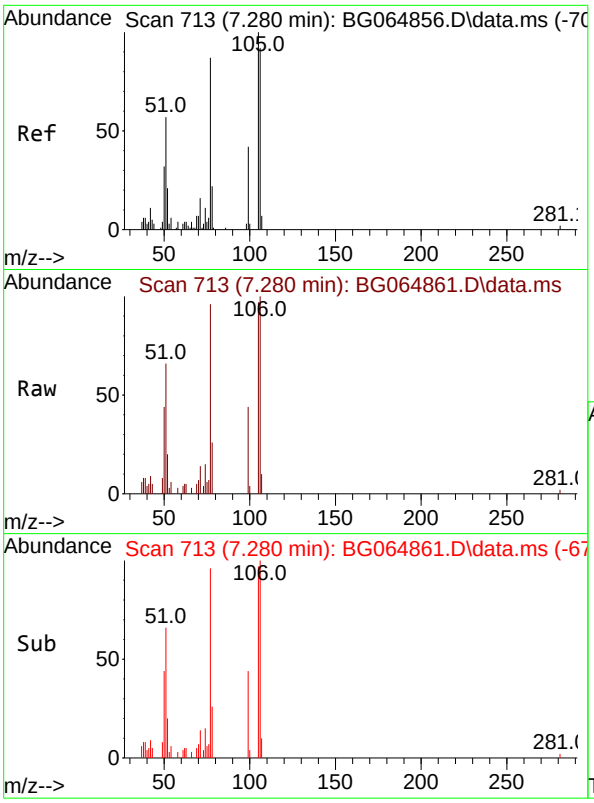
Tgt Ion: 79 Resp: 21502

Ion	Ratio	Lower	Upper
79	100		
52	129.1	88.0	132.0
51	53.6	38.2	57.4



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

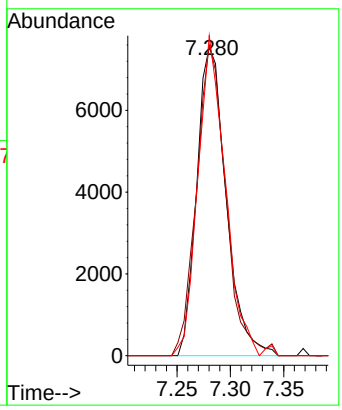
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#6
Benzaldehyde
Concen: 13.277 ng/ul
RT: 7.280 min Scan# 713
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

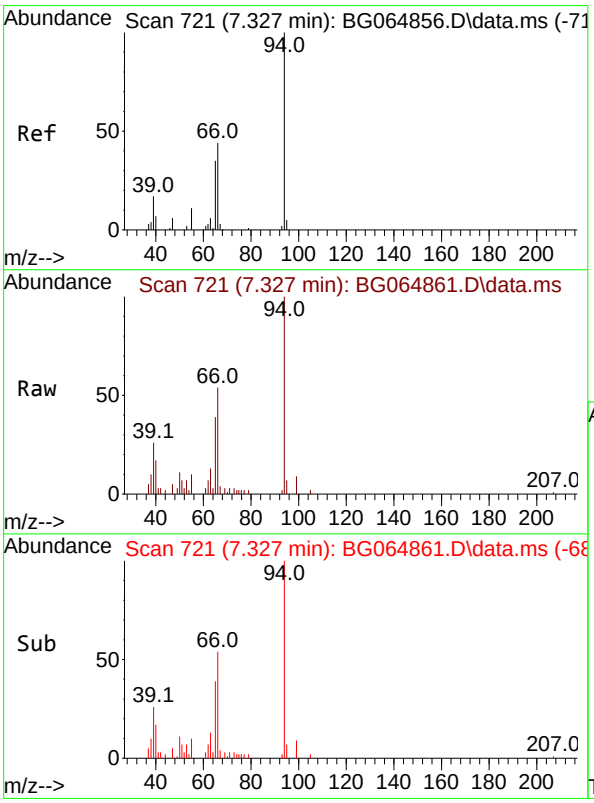
Tgt Ion: 77 Resp: 14453

Ion	Ratio	Lower	Upper
77	100		
105	100.7	75.9	113.9
106	103.7	74.3	111.5



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

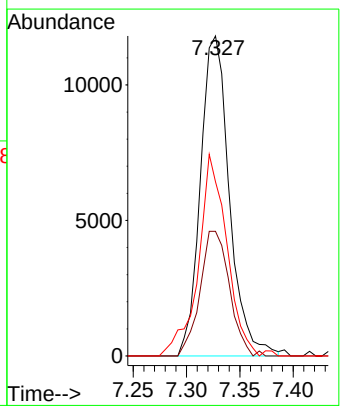
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

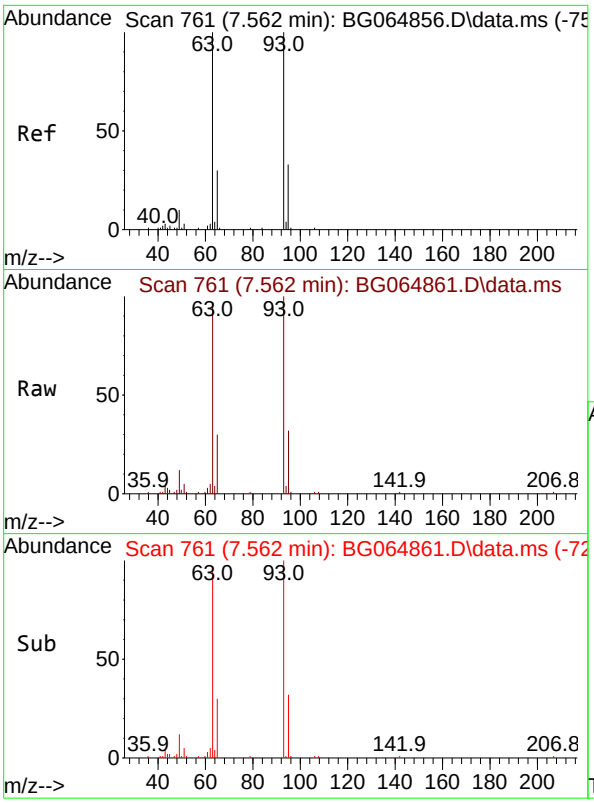


#8
Phenol
Concen: 9.628 ng/ul
RT: 7.327 min Scan# 721
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion: 94 Resp: 22276

Ion	Ratio	Lower	Upper
94	100		
65	39.0	27.5	41.3
66	54.5	38.5	57.7

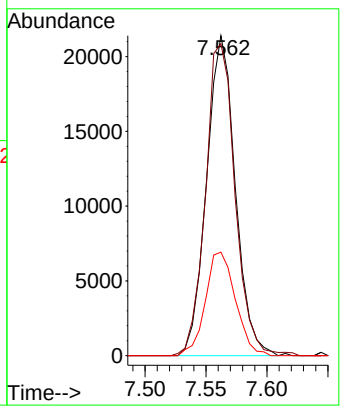


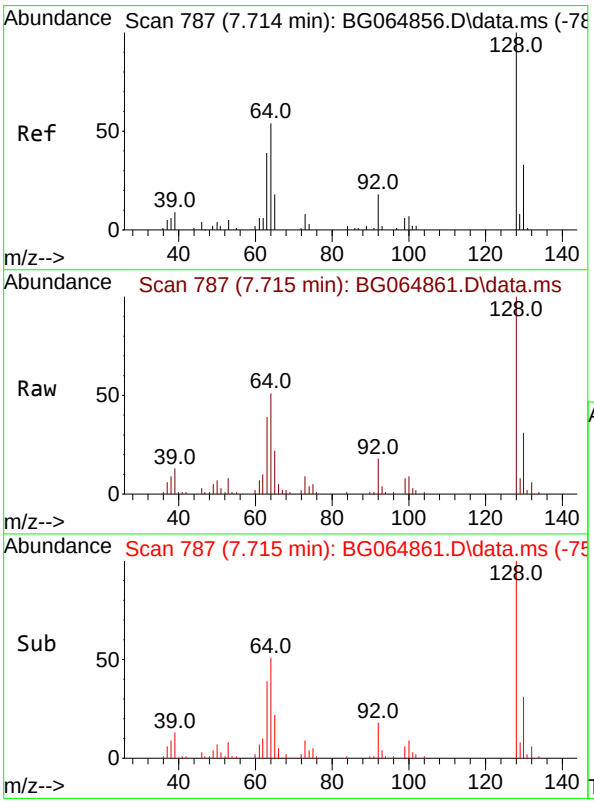


#10
Bis(2-Chloroethyl)ether
Concen: 20.518 ng/ul
RT: 7.562 min Scan# 761
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion: 93 Resp: 35107

Ion	Ratio	Lower	Upper
93	100		
63	97.5	81.4	122.2
95	32.4	27.5	41.3

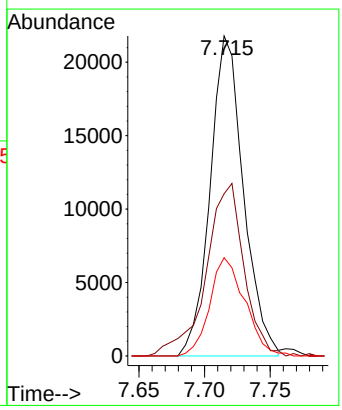




#12
2-Chlorophenol
Concen: 21.613 ng/ul
RT: 7.715 min Scan# 787
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

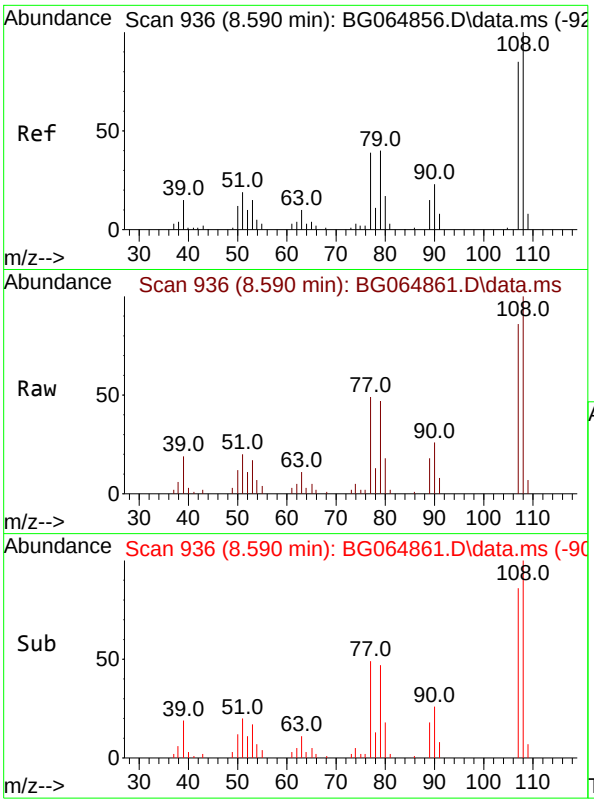
Tgt Ion:128 Resp: 38462

Ion	Ratio	Lower	Upper
128	100		
64	50.7	45.0	67.4
130	30.7	24.3	36.5



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

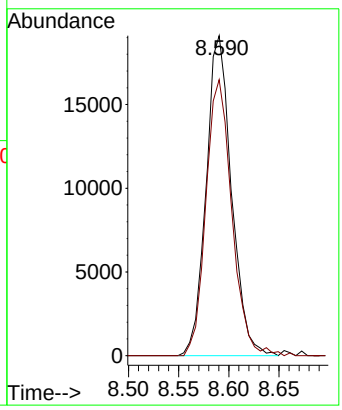
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mohammad
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#13
2-Methylphenol
Concen: 18.358 ng/ul
RT: 8.590 min Scan# 936
Delta R.T. 0.000 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

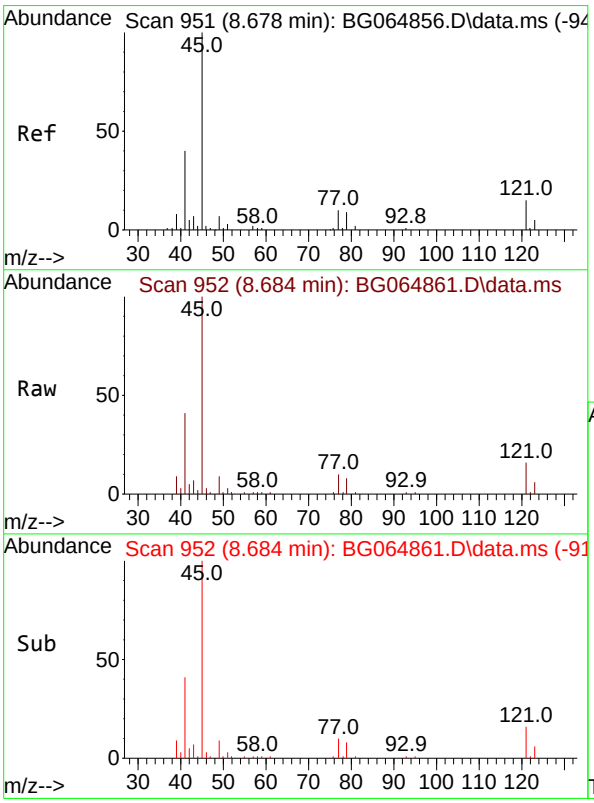
Tgt Ion:108 Resp: 33623

Ion	Ratio	Lower	Upper
108	100		
107	86.2	72.8	109.2



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

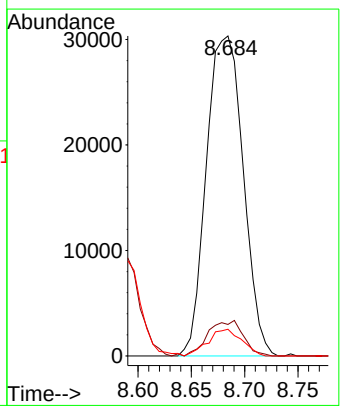
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

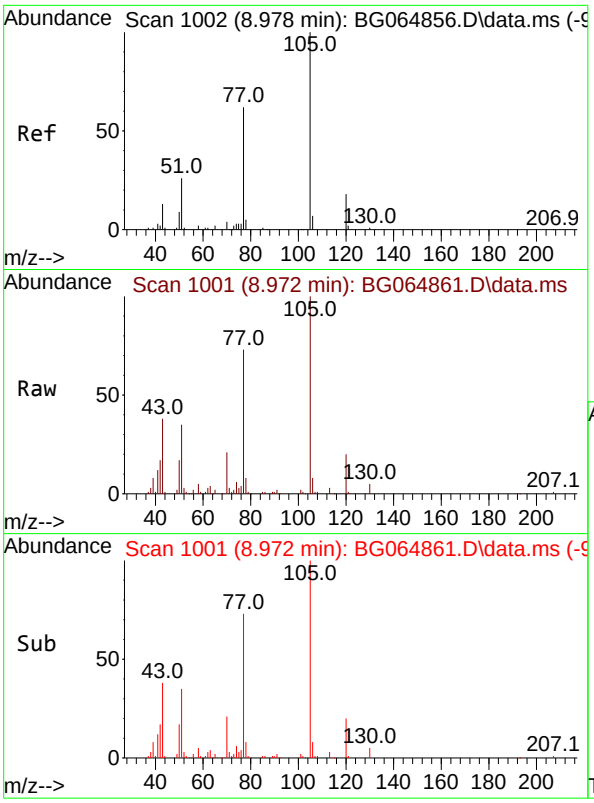


#14
2,2'-oxybis(1-Chloropropane)
Concen: 20.335 ng/ul
RT: 8.684 min Scan# 952
Delta R.T. 0.007 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion: 45 Resp: 73048

Ion	Ratio	Lower	Upper
45	100		
77	9.8	8.6	12.8
79	8.4	6.6	9.8

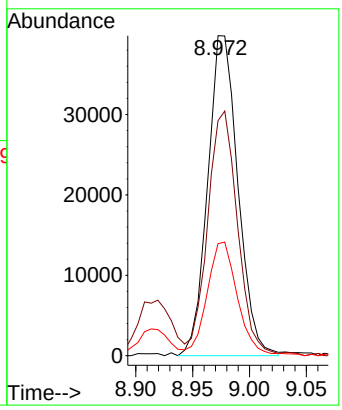




#16
Acetophenone
Concen: 23.462 ng/ul
RT: 8.972 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

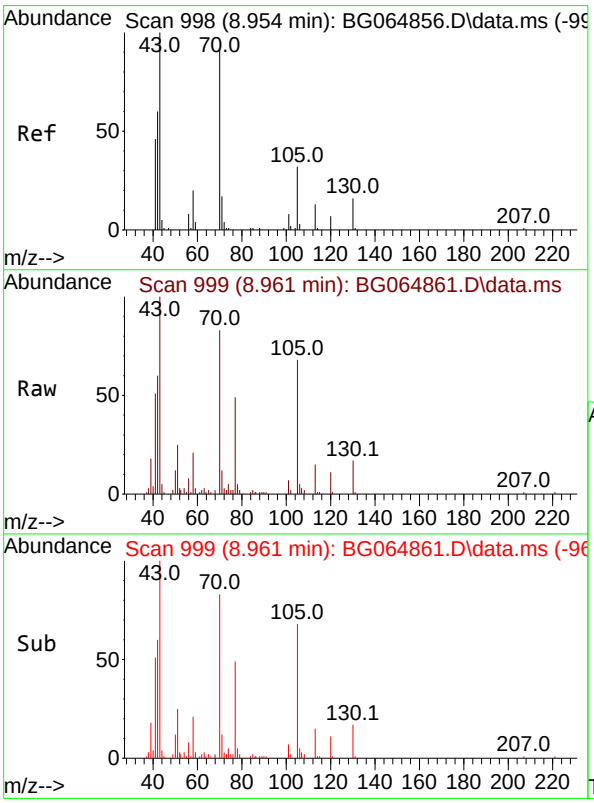
Tgt Ion:105 Resp: 73719

Ion	Ratio	Lower	Upper
105	100		
77	73.5	61.4	92.2
51	35.0	25.6	38.4



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

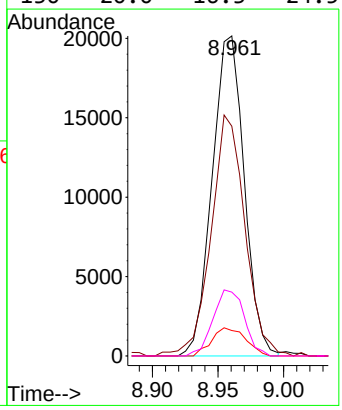
Manual Integrations APPROVED
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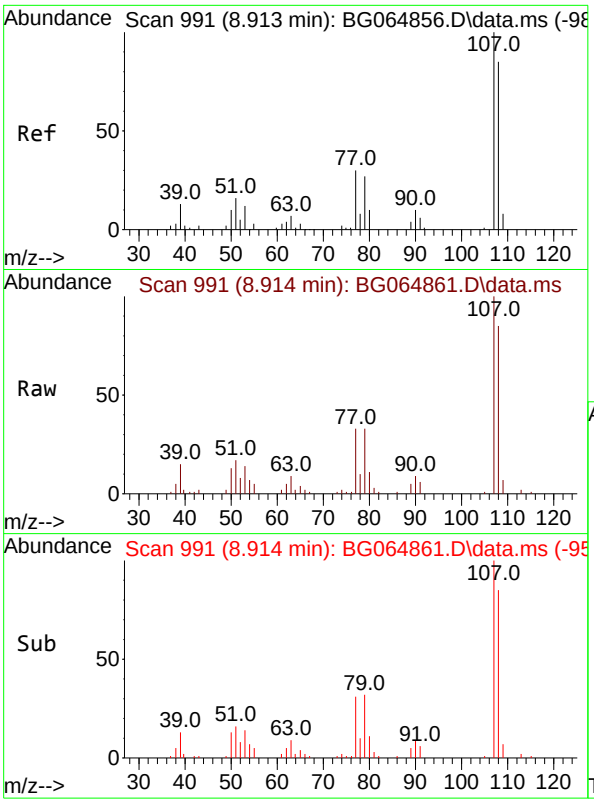


#17
N-Nitroso-di-n-propylamine
Concen: 22.783 ng/ul
RT: 8.961 min Scan# 999
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion: 70 Resp: 34341

Ion	Ratio	Lower	Upper
70	100		
42	71.8	53.0	79.4
101	7.9	8.8	13.2#
130	20.0	16.3	24.5

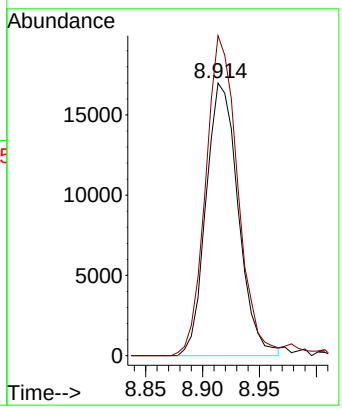




#18
4-Methylphenol
Concen: 16.682 ng/ul
RT: 8.914 min Scan# 991
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

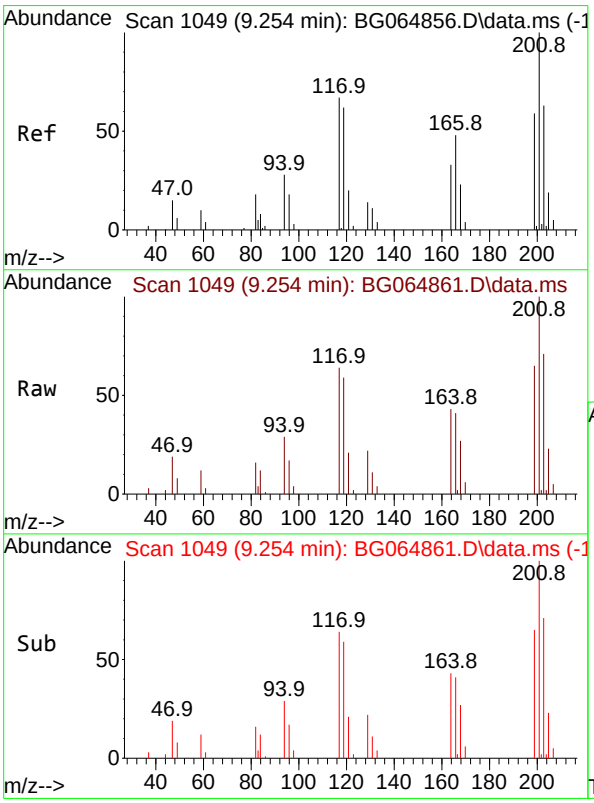
Tgt Ion:108 Resp: 33523

Ion	Ratio	Lower	Upper
108	100		
107	117.4	80.8	121.2



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

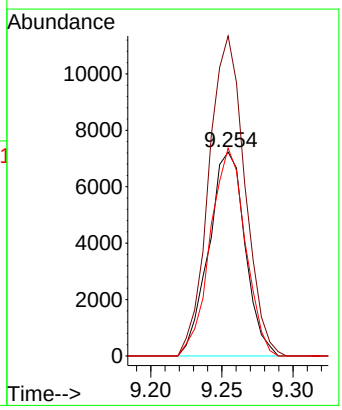
Manual Integrations APPROVED
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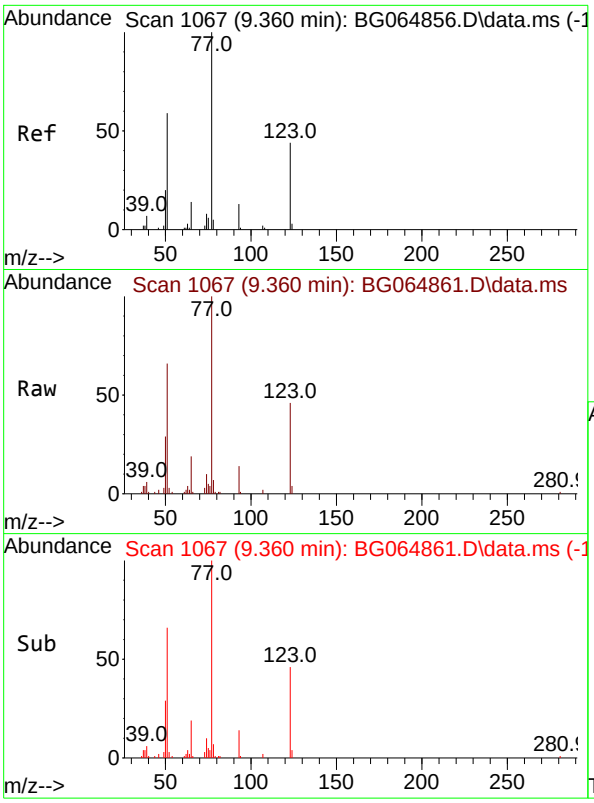


#19
Hexachloroethane
Concen: 16.133 ng/ul
RT: 9.254 min Scan# 1049
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:117 Resp: 12812

Ion	Ratio	Lower	Upper
117	100		
201	160.7	121.7	182.5
199	102.0	81.0	121.4

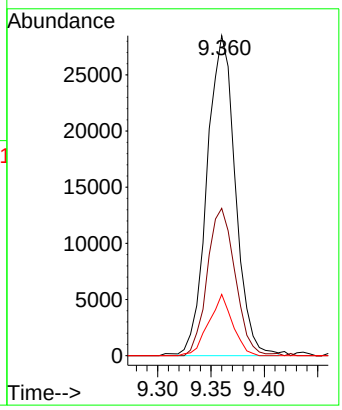




#22
Nitrobenzene
Concen: 25.082 ng/ul
RT: 9.360 min Scan# 1067
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

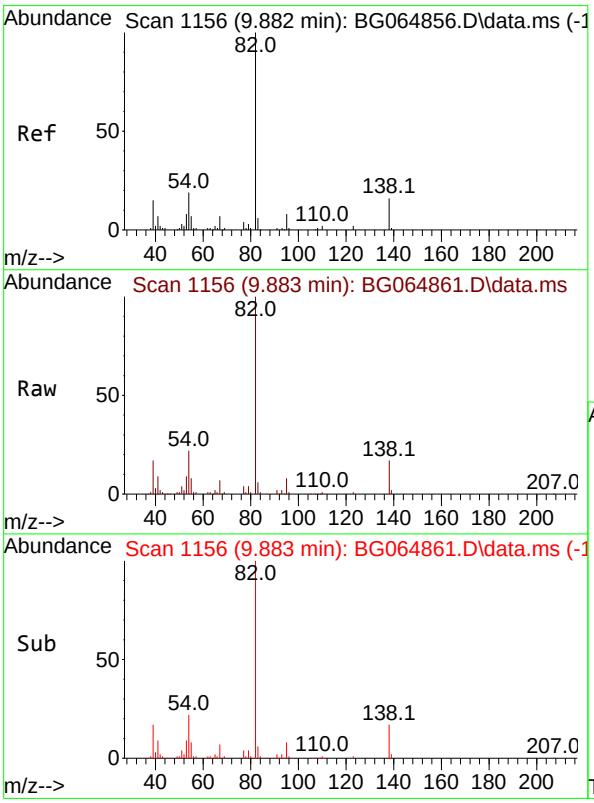
Tgt Ion: 77 Resp: 52495

Ion	Ratio	Lower	Upper
77	100		
123	46.1	35.4	53.0
65	19.1	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

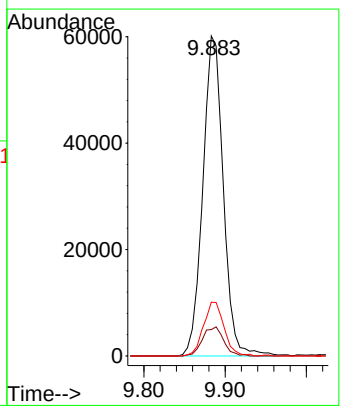
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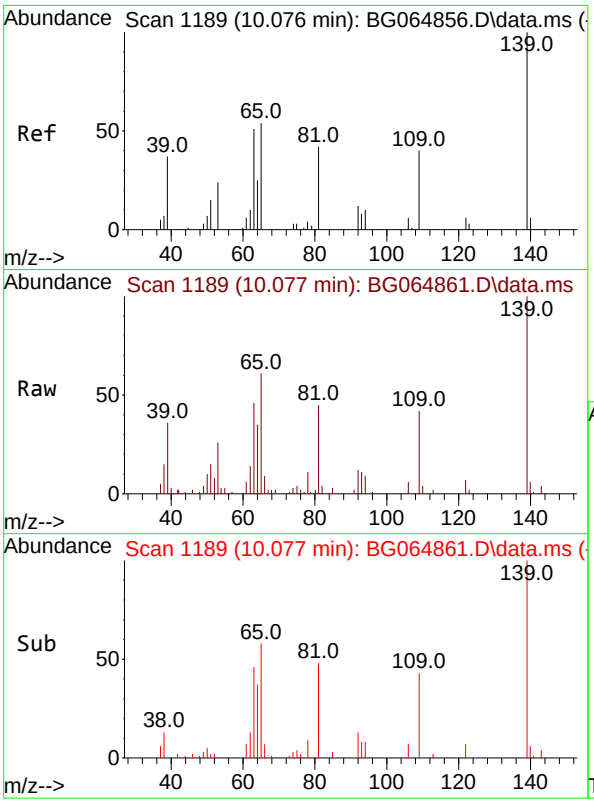


#23
Isophorone
Concen: 25.679 ng/ul
RT: 9.883 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion: 82 Resp: 105285

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.2	9.2
138	16.8	12.7	19.1

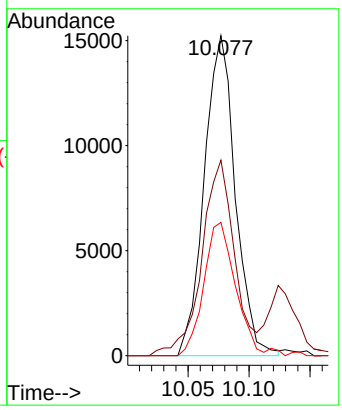


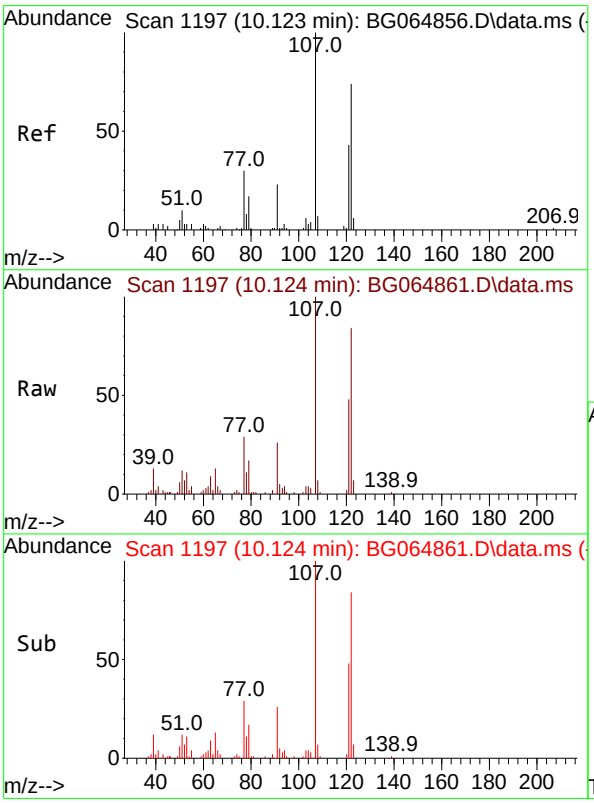


#25
2-Nitrophenol
Concen: 26.543 ng/ul
RT: 10.077 min Scan# 1189
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:139 Resp: 27007

Ion	Ratio	Lower	Upper
139	100		
65	61.1	46.5	69.7
109	41.7	27.0	40.4#

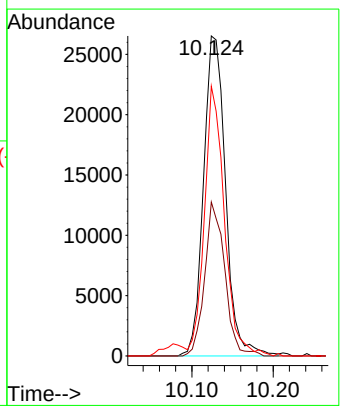




#26
2,4-Dimethylphenol
Concen: 22.784 ng/ul
RT: 10.124 min Scan# 1197
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

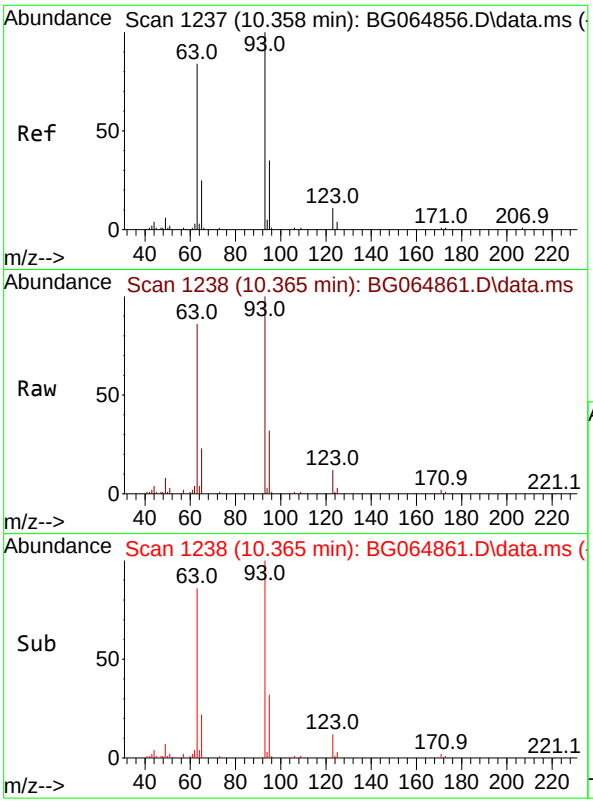
Tgt Ion:107 Resp: 49935

Ion	Ratio	Lower	Upper
107	100		
121	48.1	37.9	56.9
122	84.3	63.1	94.7



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

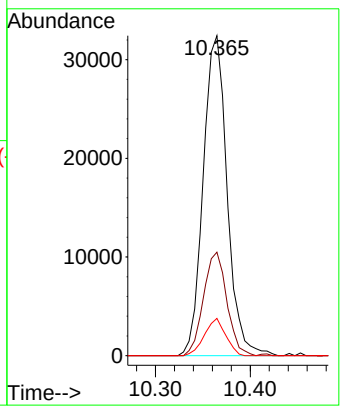
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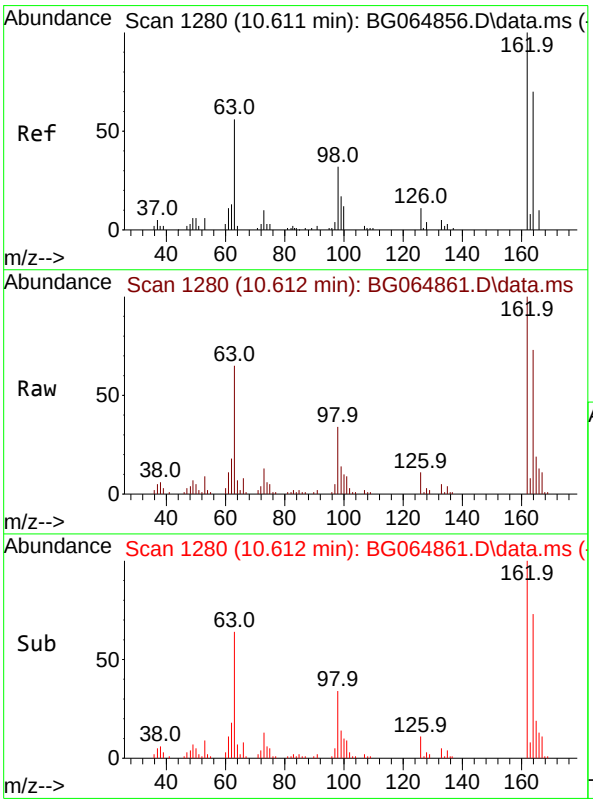


#27
Bis(2-Chloroethoxy)methane
Concen: 24.758 ng/ul
RT: 10.365 min Scan# 1238
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion: 93 Resp: 56927

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.1	37.7
123	11.6	7.0	10.4#

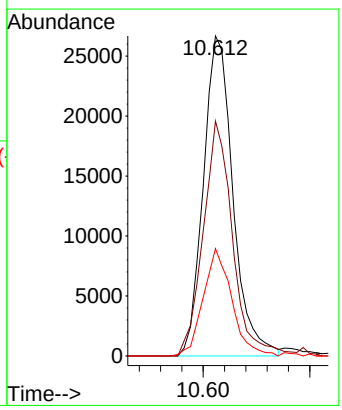




#29
2,4-Dichlorophenol
Concen: 27.696 ng/ul
RT: 10.612 min Scan# 1280
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

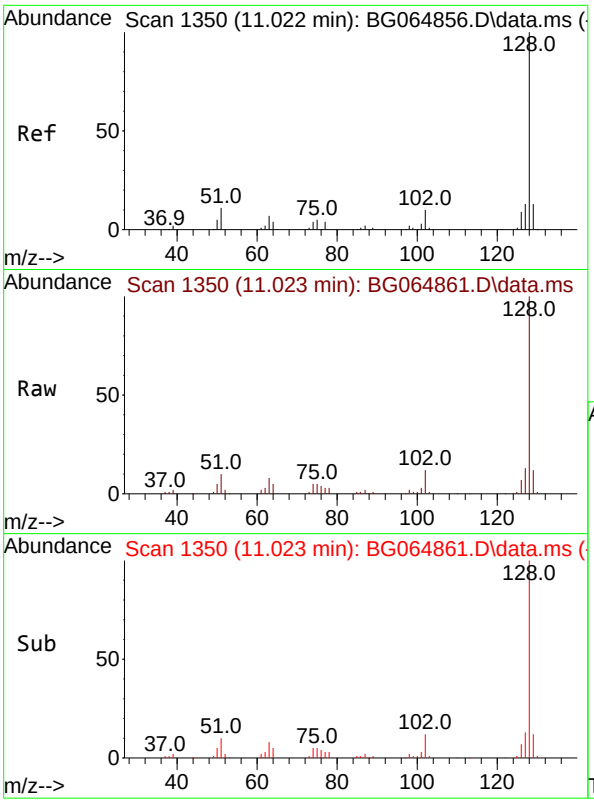
Tgt Ion:162 Resp: 51544

Ion	Ratio	Lower	Upper
162	100		
164	73.4	53.8	80.8
98	33.6	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

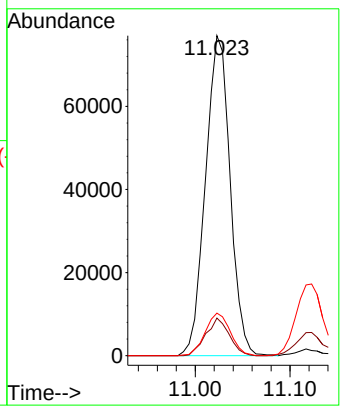
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#30
Naphthalene
Concen: 22.365 ng/ul
RT: 11.023 min Scan# 1350
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

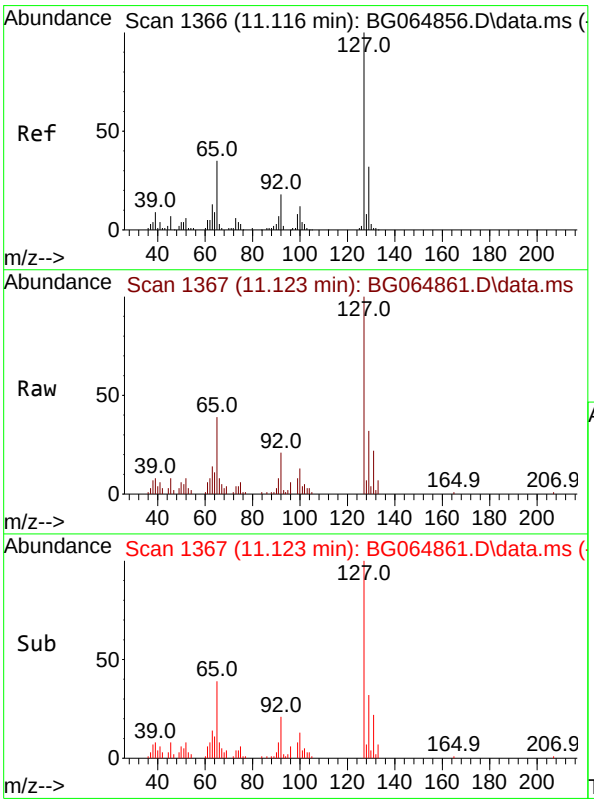
Tgt Ion:128 Resp: 138854

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.7	13.1
127	13.3	10.0	15.0



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

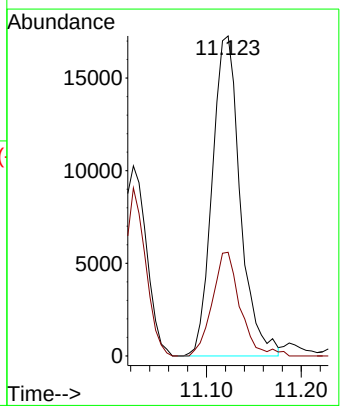
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

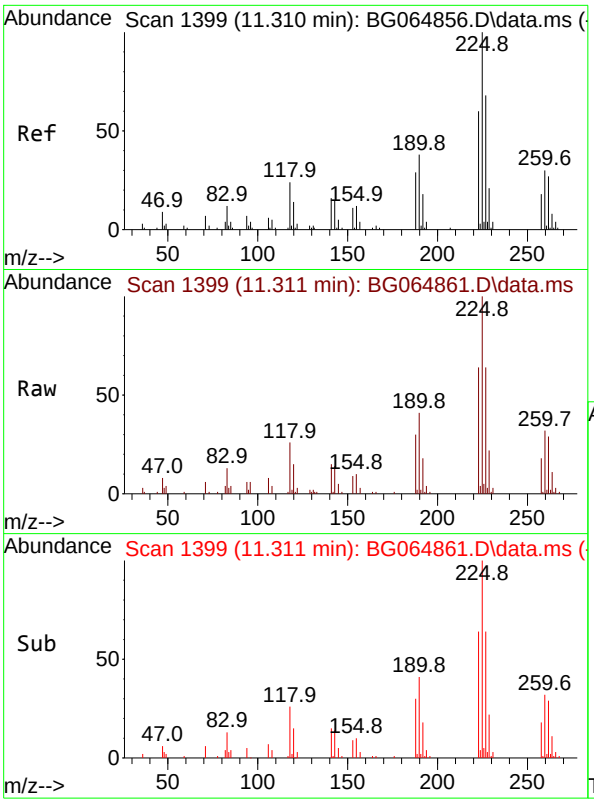


#32
4-Chloroaniline
Concen: 13.648 ng/ul
RT: 11.123 min Scan# 1367
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:127 Resp: 35431

Ion	Ratio	Lower	Upper
127	100		
129	32.4	27.0	40.6

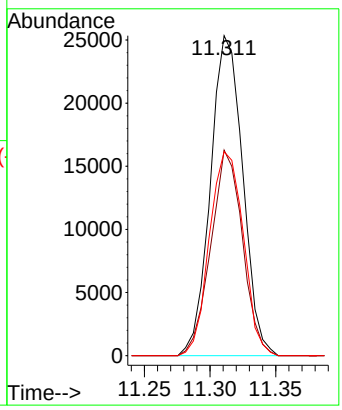


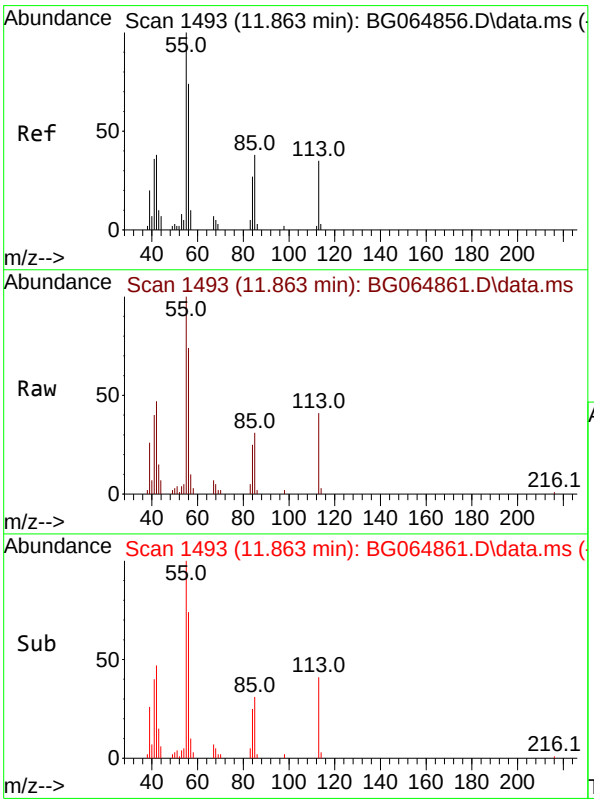


#33
Hexachlorobutadiene
Concen: 22.241 ng/ul
RT: 11.311 min Scan# 1399
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:225 Resp: 43418

Ion	Ratio	Lower	Upper
225	100		
223	61.0	47.0	70.4
227	63.0	49.8	74.8

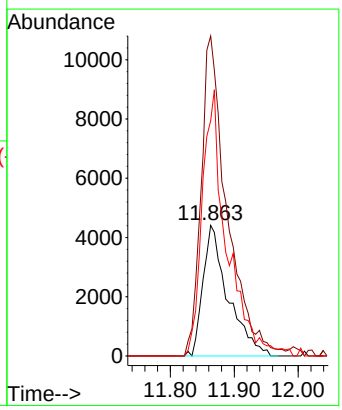




#34
Caprolactam
Concen: 18.493 ng/ul m
RT: 11.863 min Scan# 1493
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

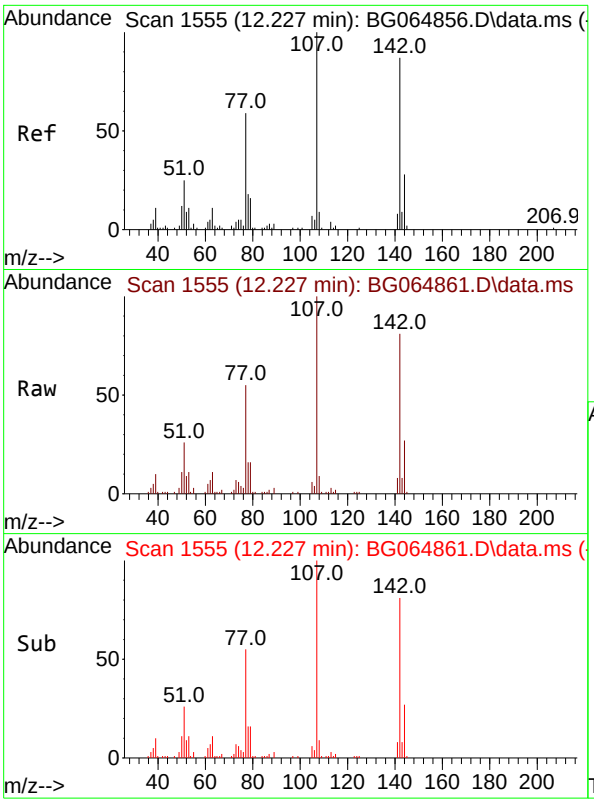
Tgt Ion:113 Resp: 12026

Ion	Ratio	Lower	Upper
113	100		
55	245.1	187.9	281.9
56	180.1	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

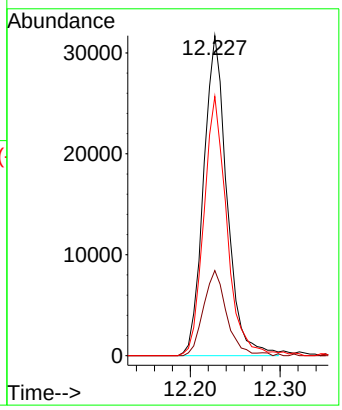
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

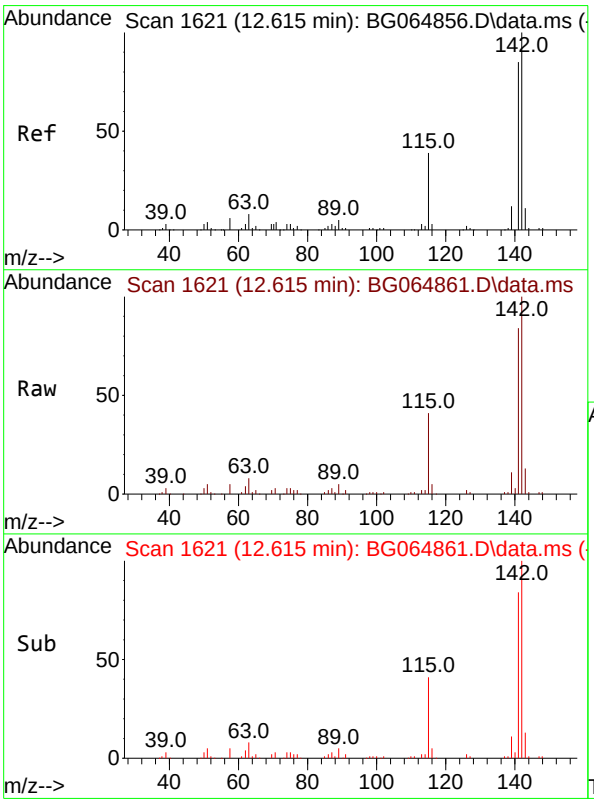


#35
4-Chloro-3-methylphenol
Concen: 28.280 ng/ul
RT: 12.227 min Scan# 1555
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:107 Resp: 57315

Ion	Ratio	Lower	Upper
107	100		
144	26.6	18.6	27.8
142	81.0	66.2	99.2

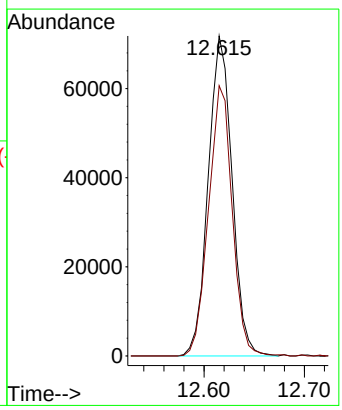




#36
2-Methylnaphthalene
Concen: 25.465 ng/ul
RT: 12.615 min Scan# 1621
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

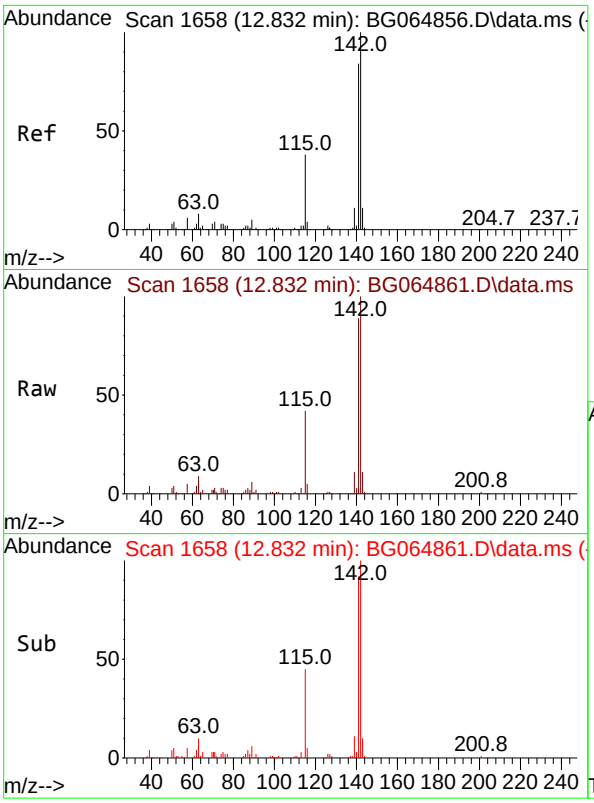
Tgt Ion:142 Resp: 118477

Ion	Ratio	Lower	Upper
142	100		
141	84.5	69.7	104.5



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

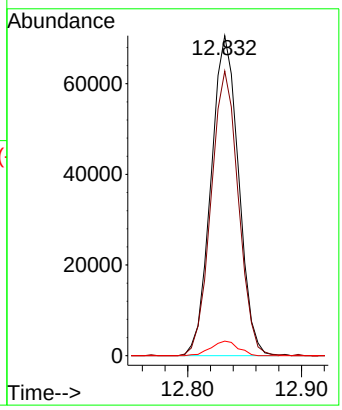
Manual Integrations APPROVED
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#37
1-Methylnaphthalene
Concen: 26.118 ng/ul
RT: 12.832 min Scan# 1658
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

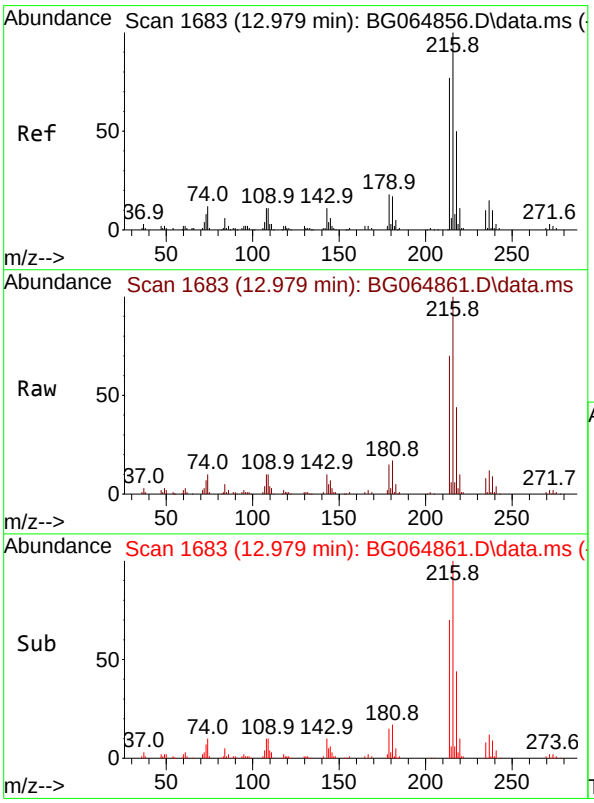
Tgt Ion:142 Resp: 118939

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.3	105.5
116	4.6	3.2	4.8



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

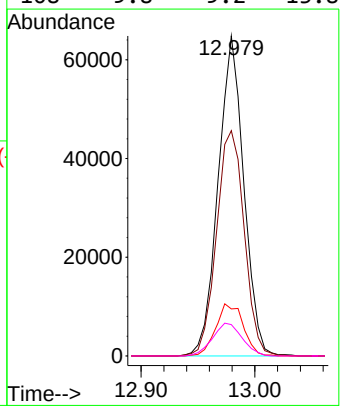
Manual Integrations APPROVED
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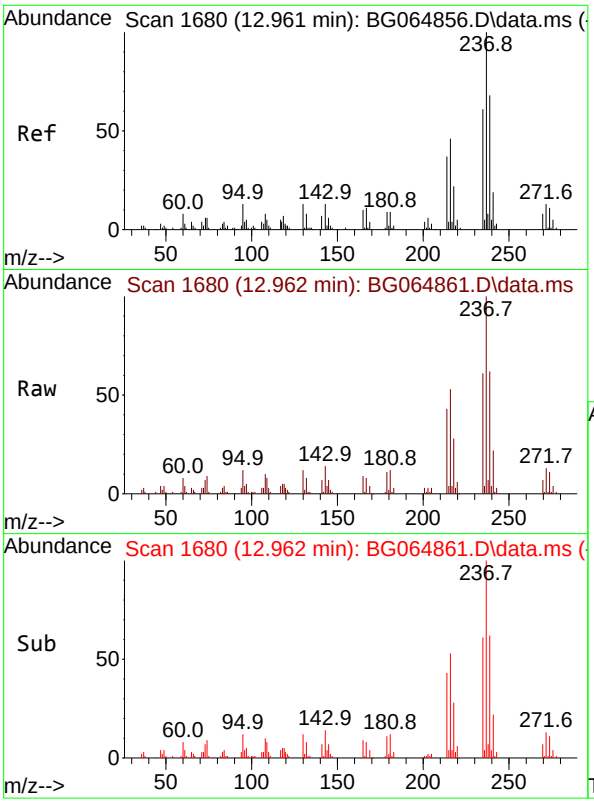


#39
1,2,4,5-Tetrachlorobenzene
Concen: 28.054 ng/ul
RT: 12.979 min Scan# 1683
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:216 Resp: 101578

Ion	Ratio	Lower	Upper
216	100		
214	70.4	63.5	95.3
179	14.7	14.7	22.1
108	9.8	9.2	13.8

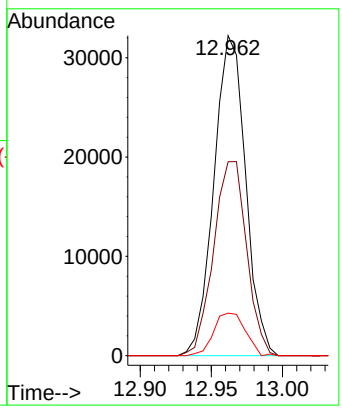


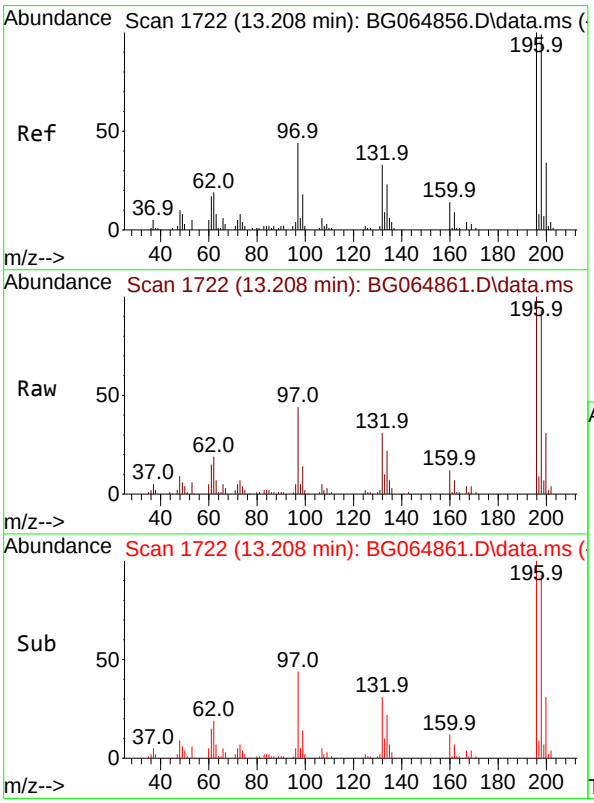


#40
Hexachlorocyclopentadiene
Concen: 19.912 ng/ul
RT: 12.962 min Scan# 1680
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:237 Resp: 49949

Ion	Ratio	Lower	Upper
237	100		
235	65.0	45.7	68.5
272	13.3	10.7	16.1

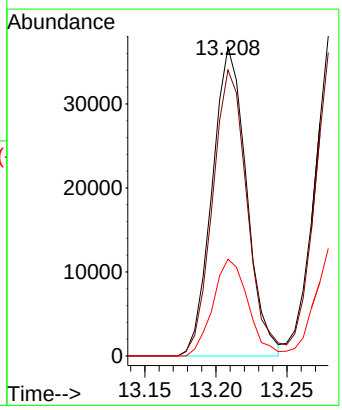




#41
2,4,6-Trichlorophenol
Concen: 30.897 ng/ul
RT: 13.208 min Scan# 1722
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

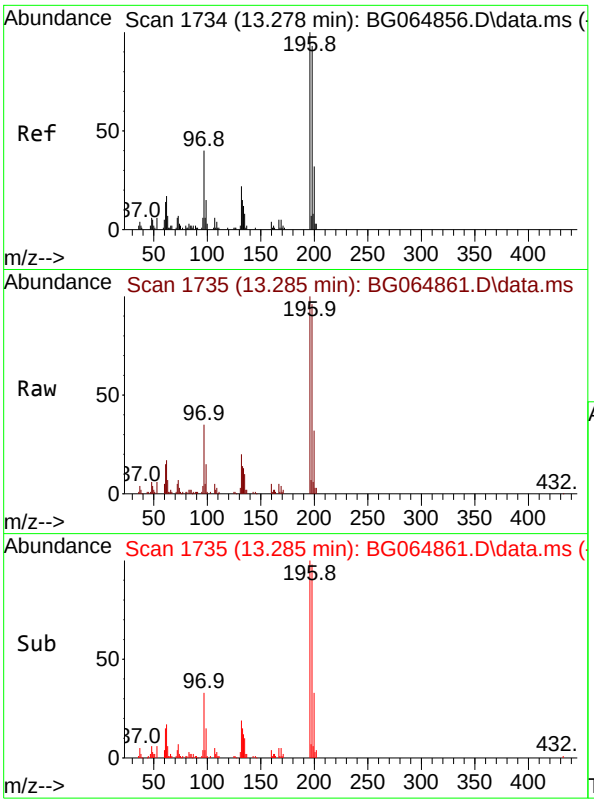
Tgt Ion:196 Resp: 61843

Ion	Ratio	Lower	Upper
196	100		
198	92.6	79.5	119.3
200	31.3	28.1	42.1



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

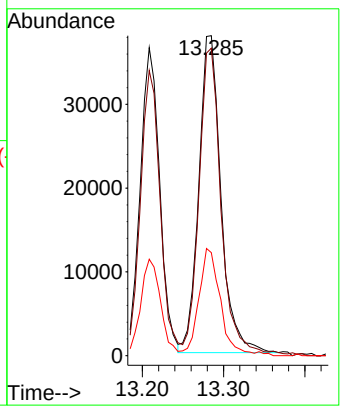
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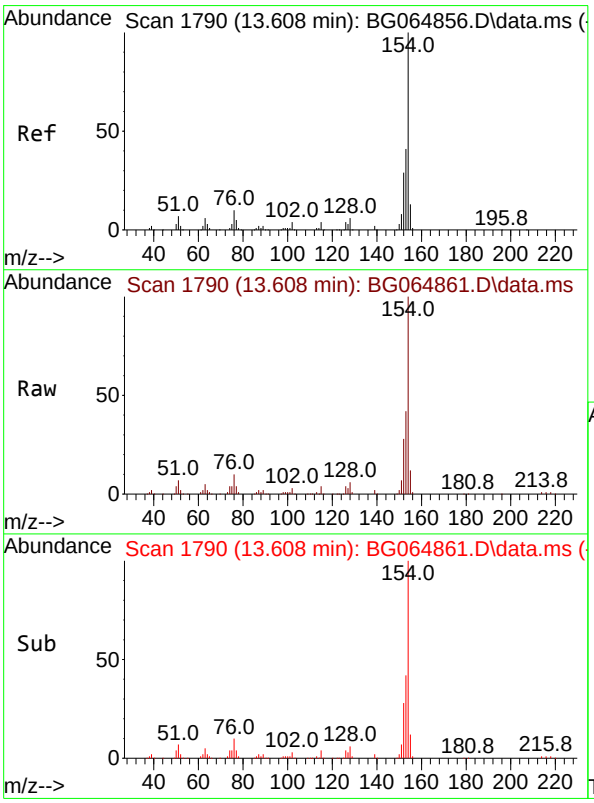


#42
2,4,5-Trichlorophenol
Concen: 34.034 ng/ul
RT: 13.285 min Scan# 1735
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:196 Resp: 71778

Ion	Ratio	Lower	Upper
196	100		
198	96.1	72.1	108.1
200	34.9	26.0	39.0

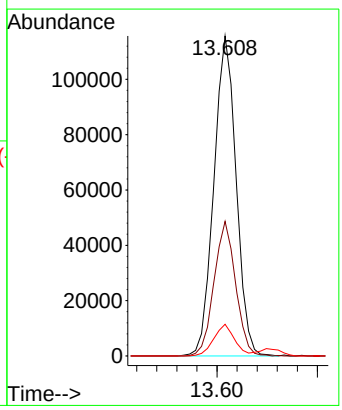




#43
1,1'-Biphenyl
Concen: 26.810 ng/ul
RT: 13.608 min Scan# 1790
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

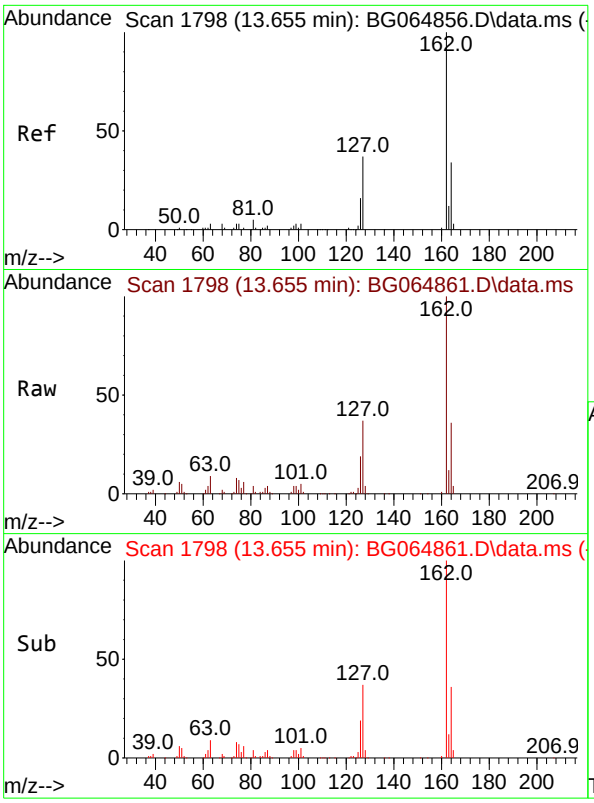
Tgt Ion:154 Resp: 177879

Ion	Ratio	Lower	Upper
154	100		
153	42.1	33.0	49.4
76	9.9	8.7	13.1



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

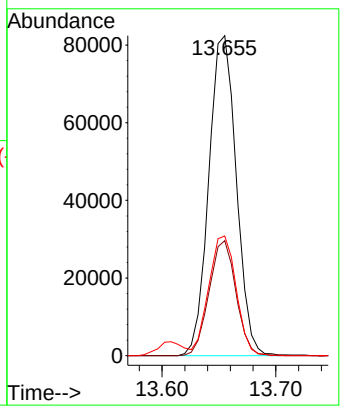
Manual Integrations APPROVED
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#44
2-Chloronaphthalene
Concen: 26.605 ng/ul
RT: 13.655 min Scan# 1798
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

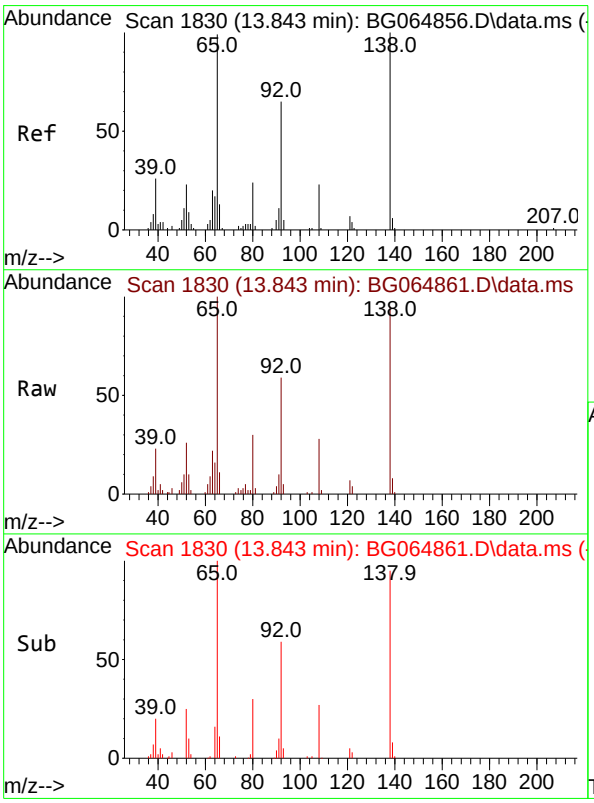
Tgt Ion:162 Resp: 138576

Ion	Ratio	Lower	Upper
162	100		
164	36.0	26.9	40.3
127	37.4	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

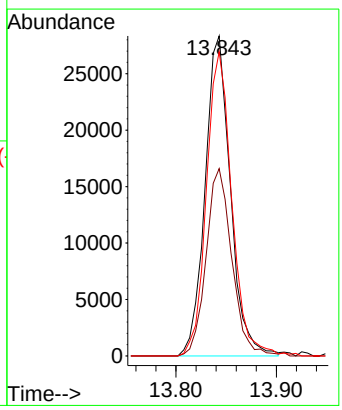
Manual Integrations APPROVED
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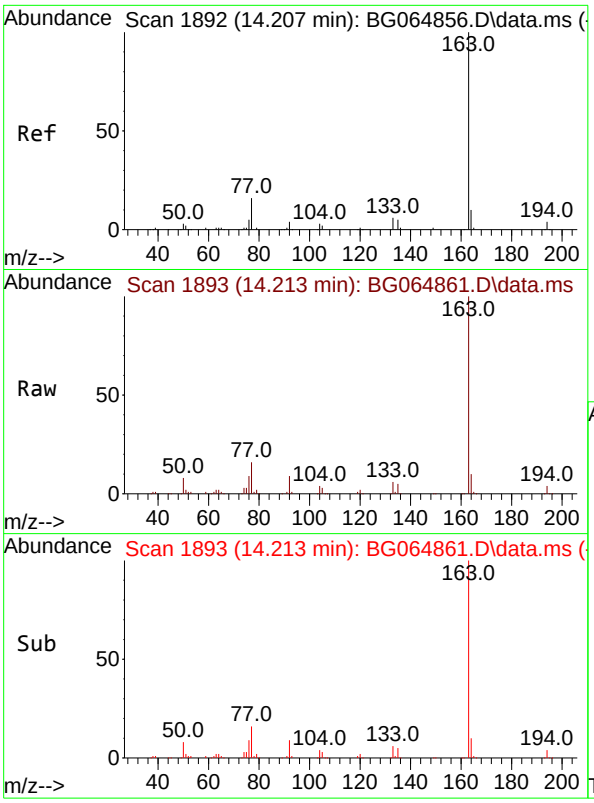


#45
2-Nitroaniline
Concen: 32.156 ng/ul
RT: 13.843 min Scan# 1830
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion: 65 Resp: 49791

Ion	Ratio	Lower	Upper
65	100		
92	58.6	45.2	67.8
138	95.1	78.6	117.8

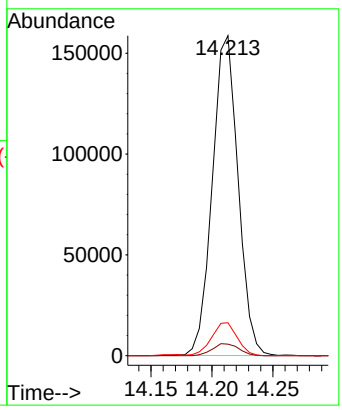




#47
Dimethylphthalate
Concen: 30.821 ng/ul
RT: 14.213 min Scan# 1893
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

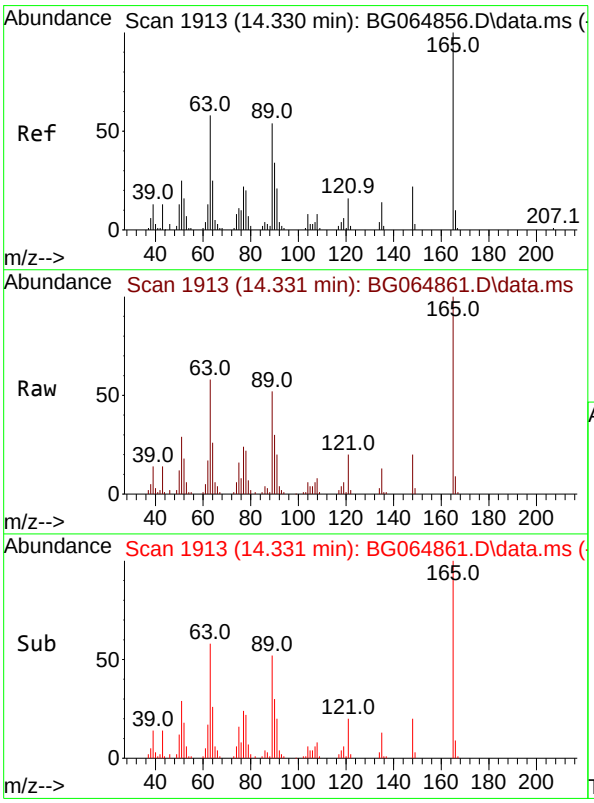
Tgt Ion:163 Resp: 233165

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.3	4.9
164	10.3	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

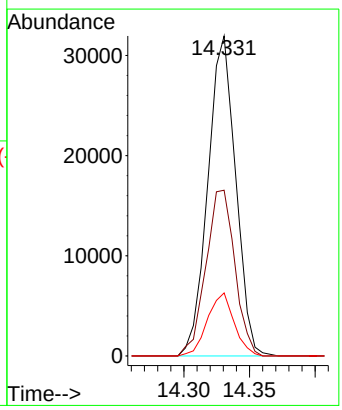
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

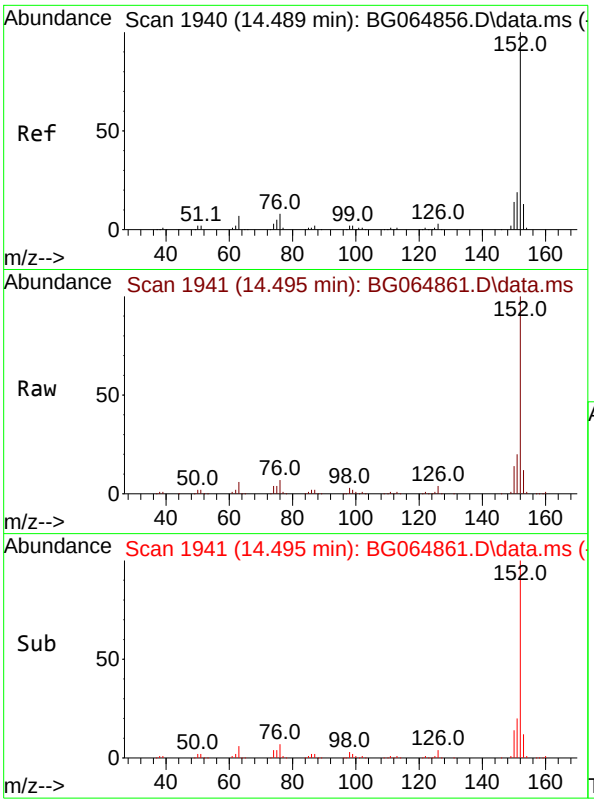


#48
2,6-Dinitrotoluene
Concen: 33.926 ng/ul
RT: 14.331 min Scan# 1913
Delta R.T. 0.007 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:165 Resp: 47095

Ion	Ratio	Lower	Upper
165	100		
89	51.8	39.9	59.9
121	19.7	15.8	23.6

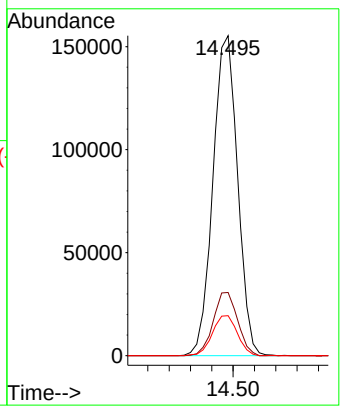


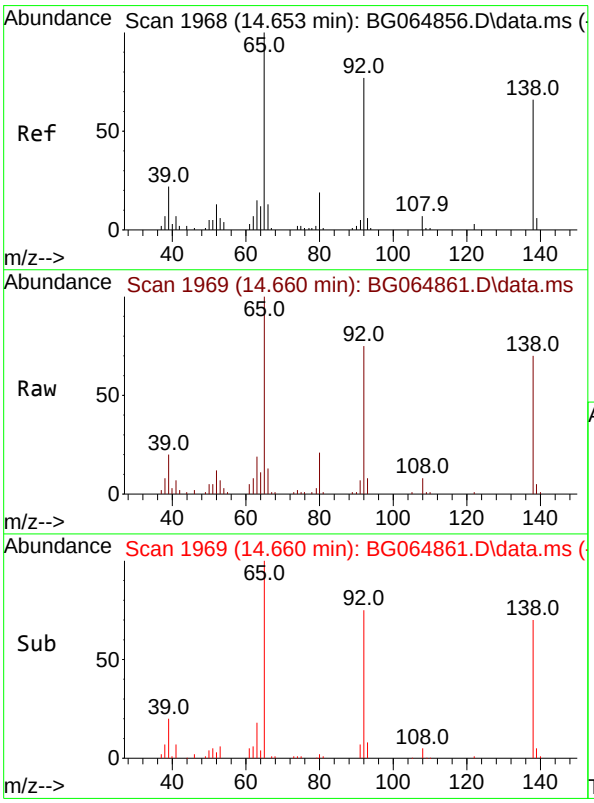


#50
Acenaphthylene
Concen: 27.391 ng/ul
RT: 14.495 min Scan# 1941
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:152 Resp: 248795

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.1	22.7
153	12.5	9.7	14.5

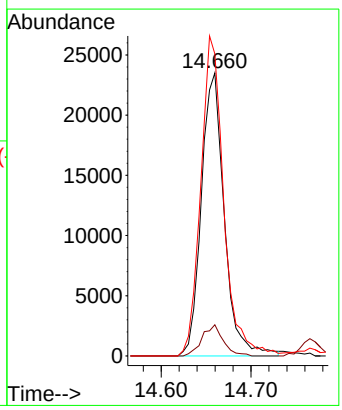




#51
3-Nitroaniline
Concen: 34.722 ng/ul
RT: 14.660 min Scan# 1969
Delta R.T. 0.007 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

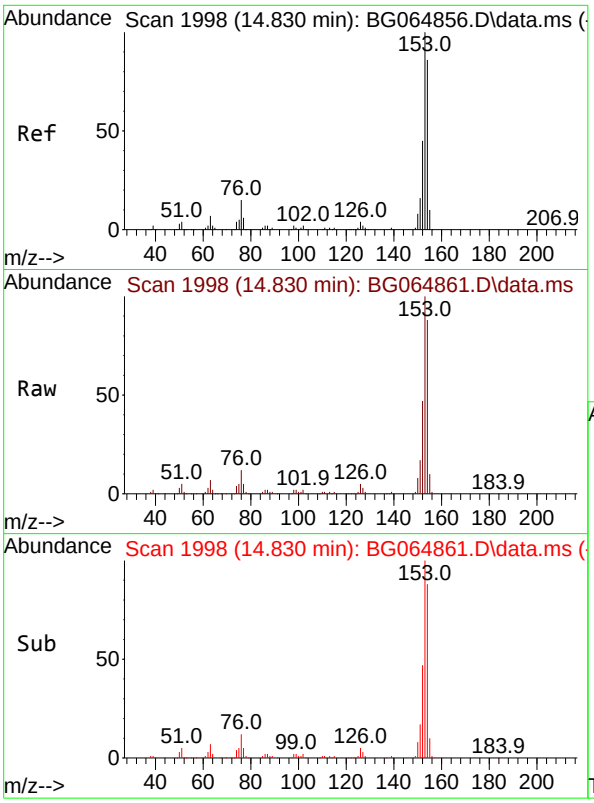
Tgt Ion:138 Resp: 41805

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.8	14.8
92	106.7	91.4	137.2



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

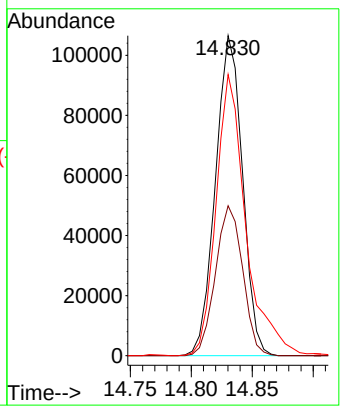
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mohammad
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#52
Acenaphthene
Concen: 27.612 ng/ul
RT: 14.830 min Scan# 1998
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

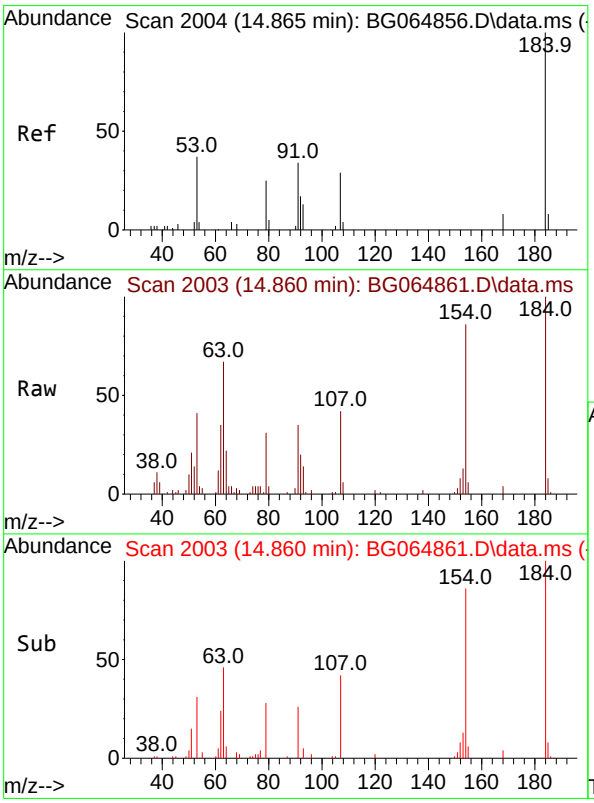
Tgt Ion:153 Resp: 164451

Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.8	56.8
154	87.8	68.2	102.2



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

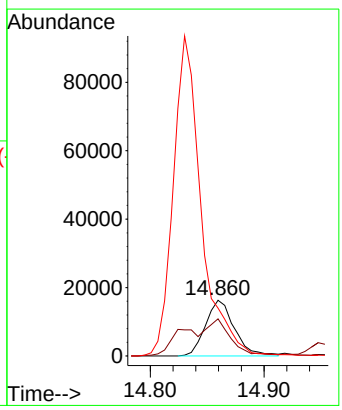
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

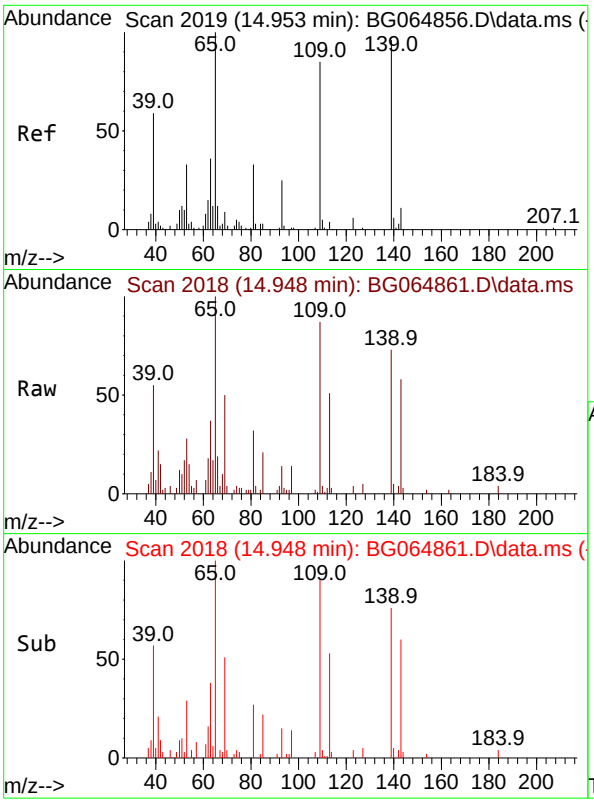


#53
2,4-Dinitrophenol
Concen: 35.140 ng/ul
RT: 14.860 min Scan# 2003
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:184 Resp: 28686

Ion	Ratio	Lower	Upper
184	100		
63	66.5	41.1	61.7#
154	85.9	55.4	83.0#

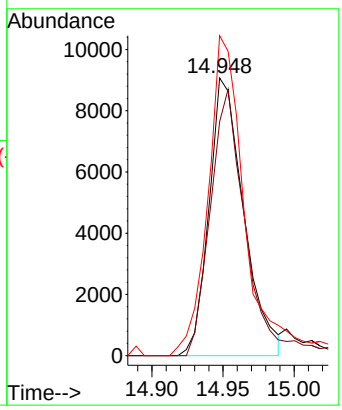




#55
4-Nitrophenol
Concen: 14.838 ng/ul
RT: 14.948 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

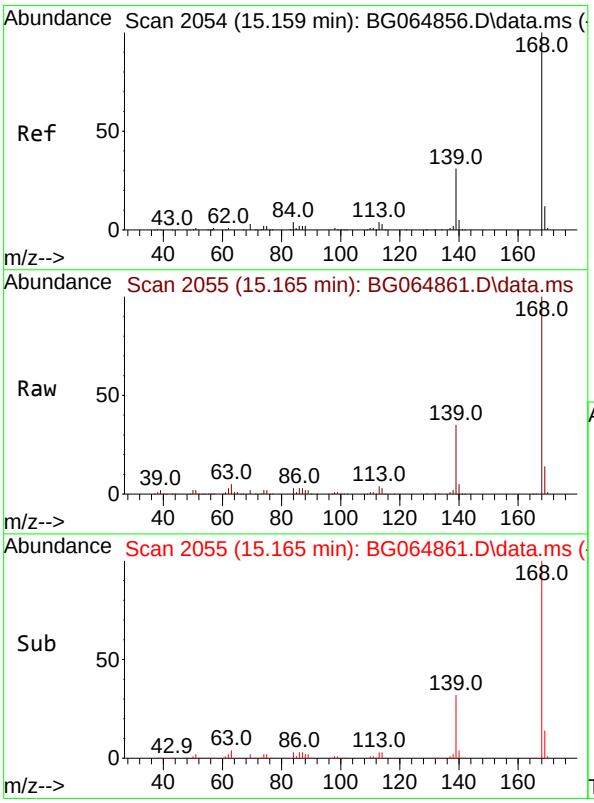
Tgt Ion:109 Resp: 15416

Ion	Ratio	Lower	Upper
109	100		
139	84.2	88.6	132.8#
65	115.2	94.2	141.4



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

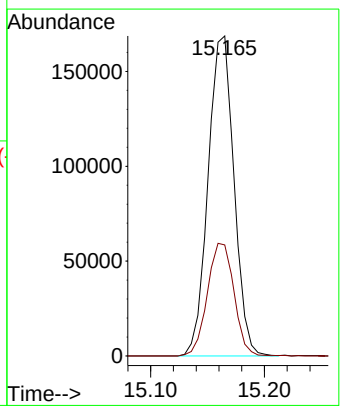
Manual Integrations APPROVED
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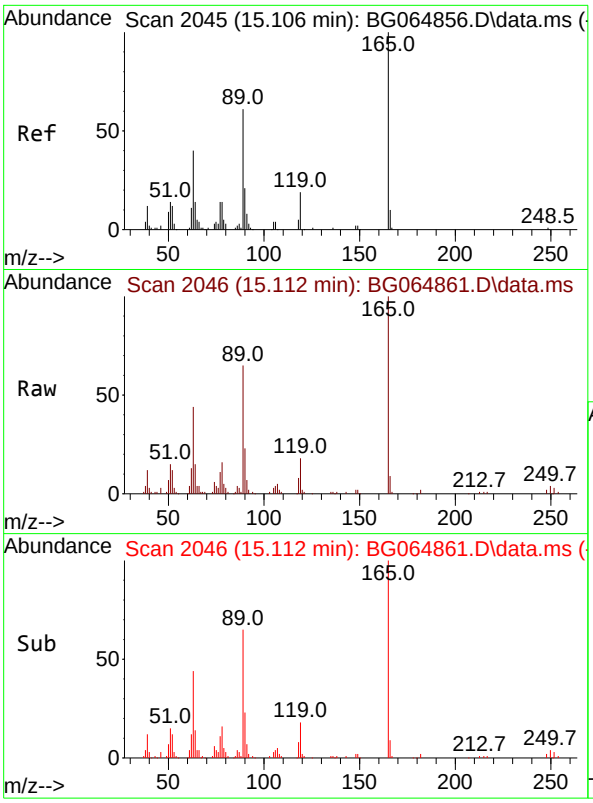


#56
Dibenzofuran
Concen: 29.315 ng/ul
RT: 15.165 min Scan# 2055
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:168 Resp: 266499

Ion	Ratio	Lower	Upper
168	100		
139	34.7	28.2	42.4

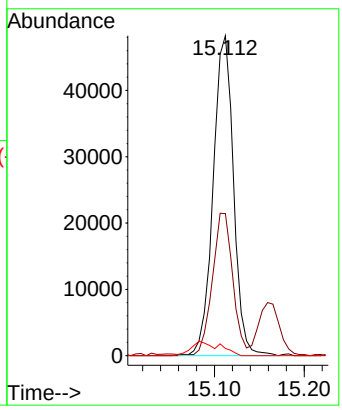




#57
2,4-Dinitrotoluene
Concen: 36.009 ng/ul
RT: 15.112 min Scan# 2046
Delta R.T. 0.007 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

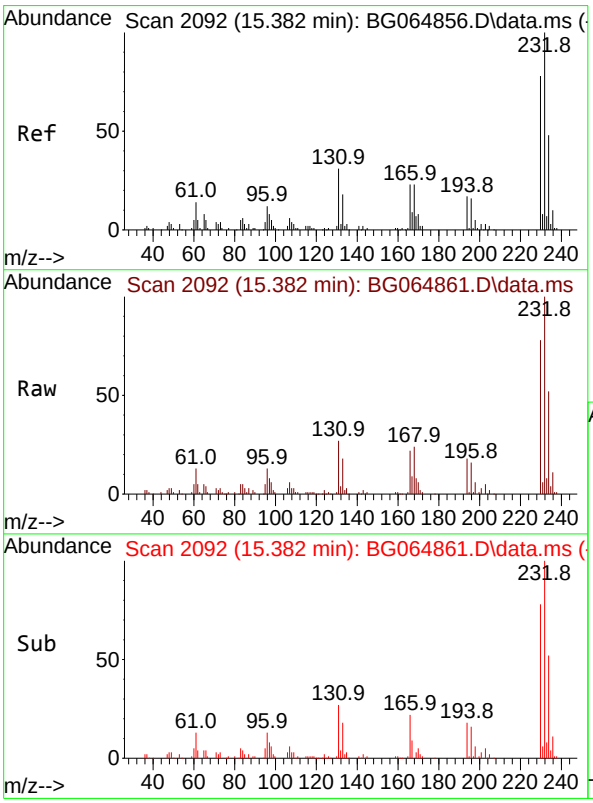
Tgt Ion:165 Resp: 76049

Ion	Ratio	Lower	Upper
165	100		
63	44.4	35.5	53.3
182	2.3	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

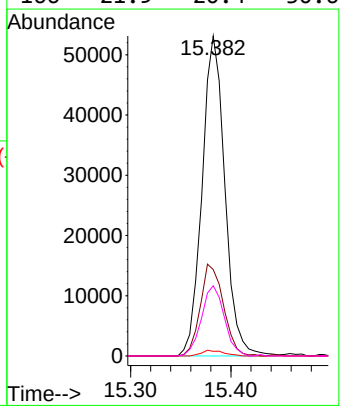
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

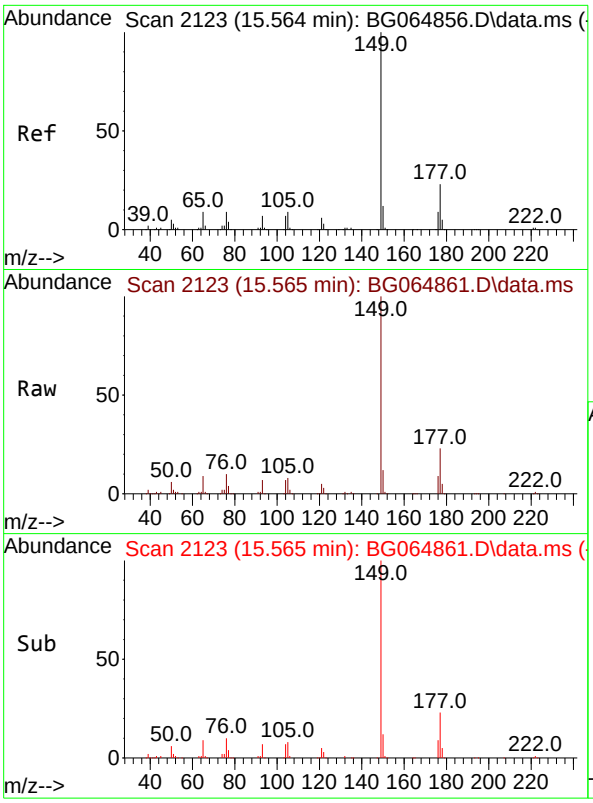


#58
2,3,4,6-Tetrachlorophenol
Concen: 35.177 ng/ul
RT: 15.382 min Scan# 2092
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:232 Resp: 84011

Ion	Ratio	Lower	Upper
232	100		
131	27.0	24.9	37.3
130	1.5	1.4	2.0
166	21.9	20.4	30.6

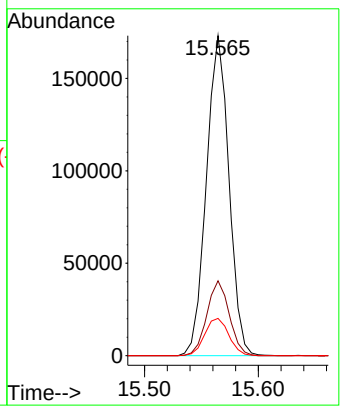




#59
Diethylphthalate
Concen: 32.148 ng/ul
RT: 15.565 min Scan# 2123
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

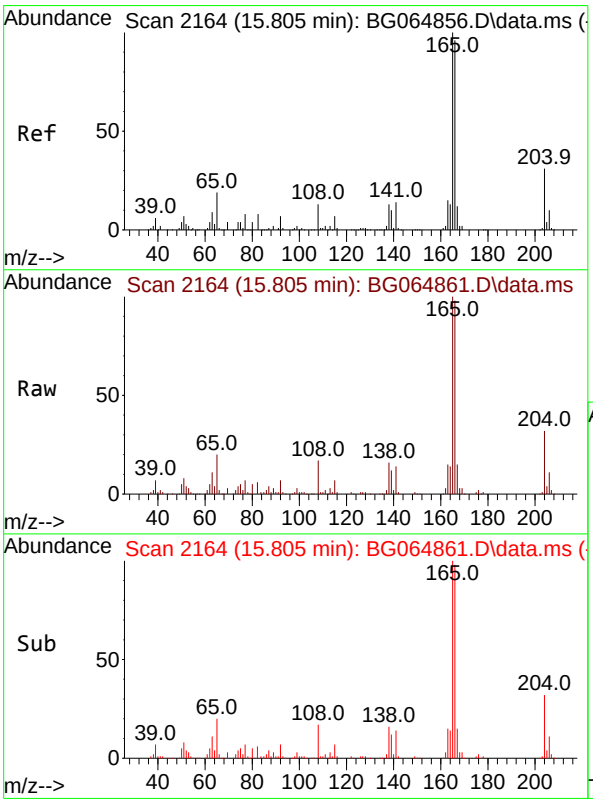
Tgt Ion:149 Resp: 238852

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.7	28.1
150	11.6	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

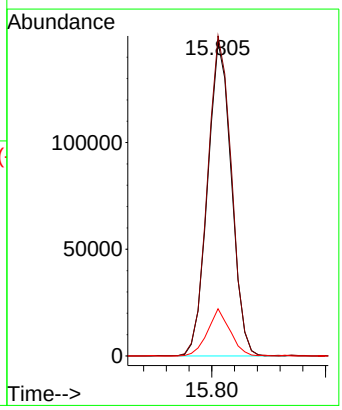
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mohammad
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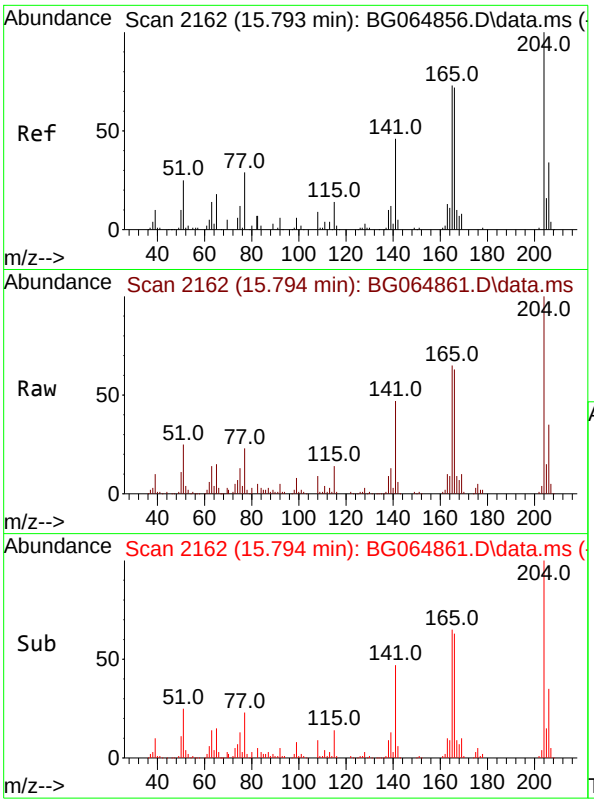


#61
Fluorene
Concen: 30.009 ng/ul
RT: 15.805 min Scan# 2164
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:166 Resp: 213989

Ion	Ratio	Lower	Upper
166	100		
165	101.9	83.0	124.6
167	15.0	10.5	15.7

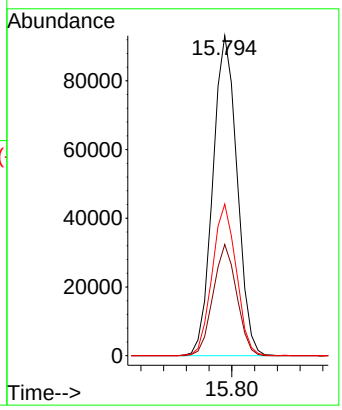


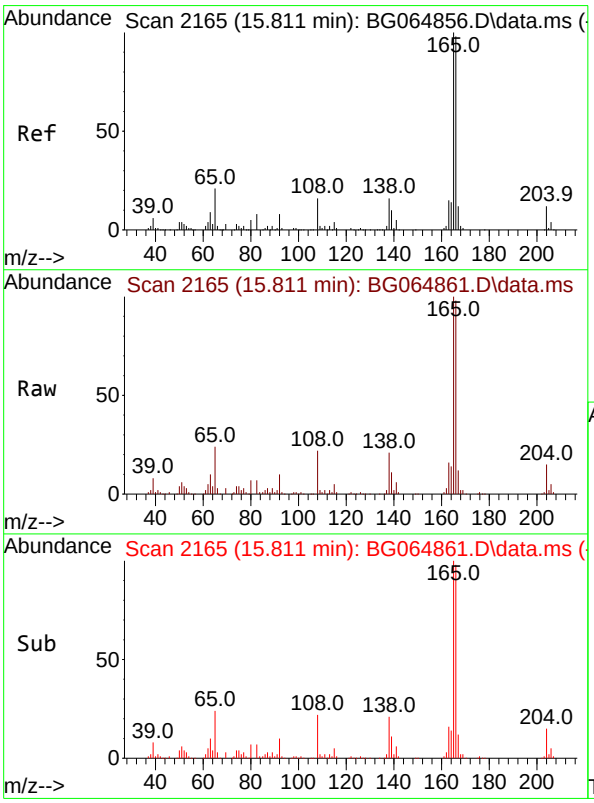


#62
4-Chlorophenyl-phenylether
Concen: 31.844 ng/ul
RT: 15.794 min Scan# 2162
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:204 Resp: 138474

Ion	Ratio	Lower	Upper
204	100		
206	34.8	26.1	39.1
141	47.4	36.8	55.2

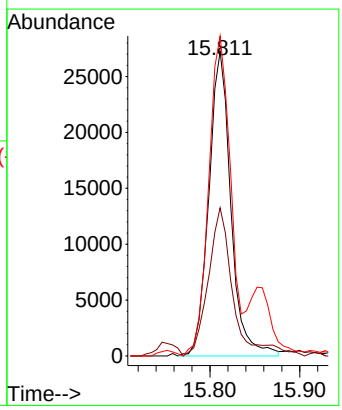




#63
4-Nitroaniline
Concen: 37.436 ng/ul
RT: 15.811 min Scan# 2165
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

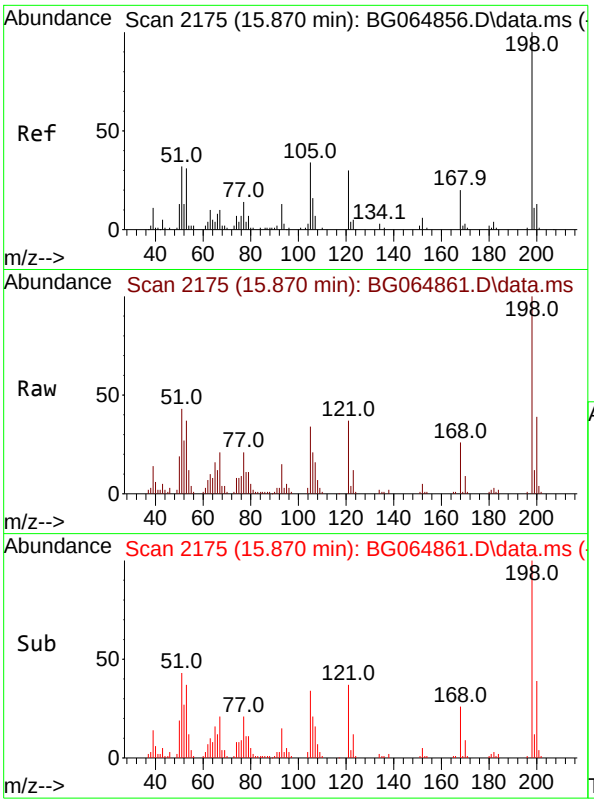
Tgt Ion:138 Resp: 46408

Ion	Ratio	Lower	Upper
138	100		
92	48.6	39.3	58.9
108	105.1	73.8	110.8



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

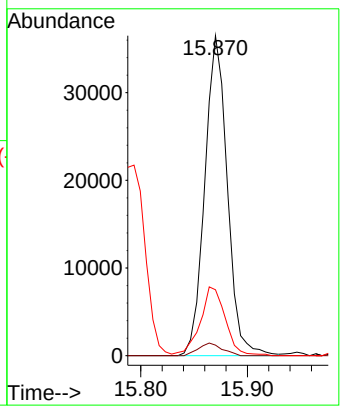
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#66
4,6-Dinitro-2-methylphenol
Concen: 35.400 ng/ul
RT: 15.870 min Scan# 2175
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

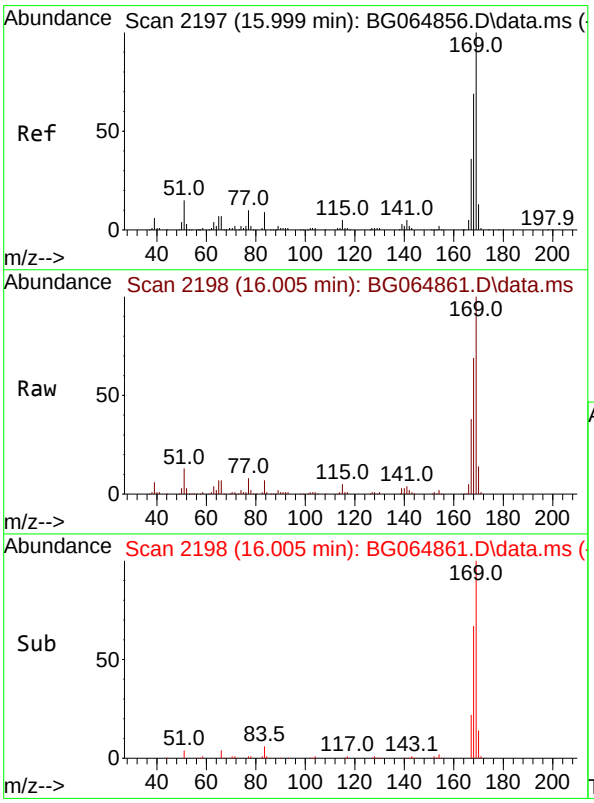
Tgt Ion:198 Resp: 53585

Ion	Ratio	Lower	Upper
198	100		
182	3.3	3.6	5.4#
77	20.6	17.5	26.3



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

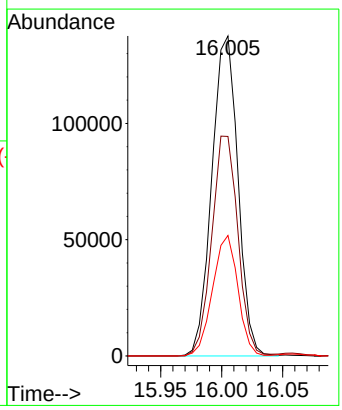
Manual Integrations APPROVED
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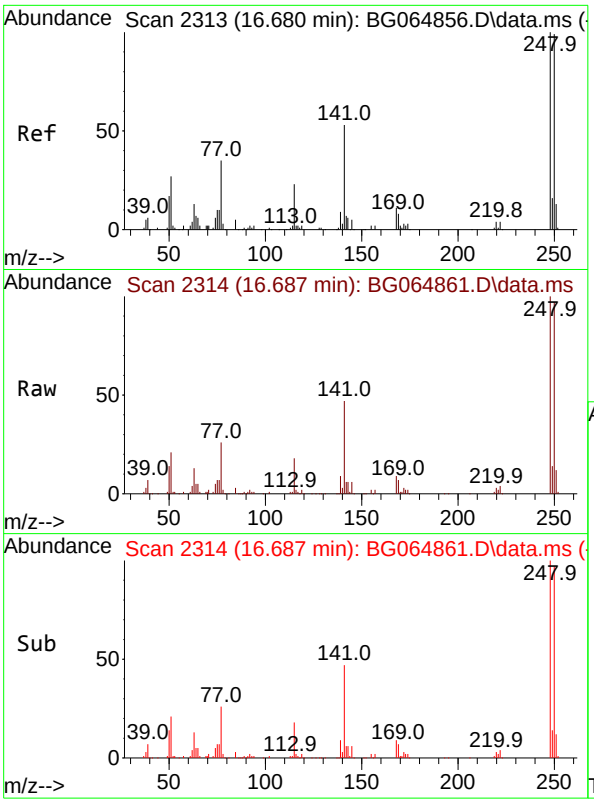


#67
N-Nitrosodiphenylamine
Concen: 31.383 ng/ul
RT: 16.005 min Scan# 2198
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:169 Resp: 205182

Ion	Ratio	Lower	Upper
169	100		
168	68.6	54.4	81.6
167	37.6	29.0	43.4

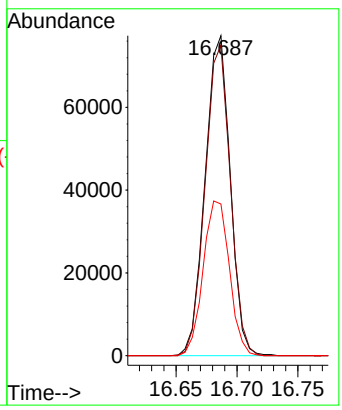


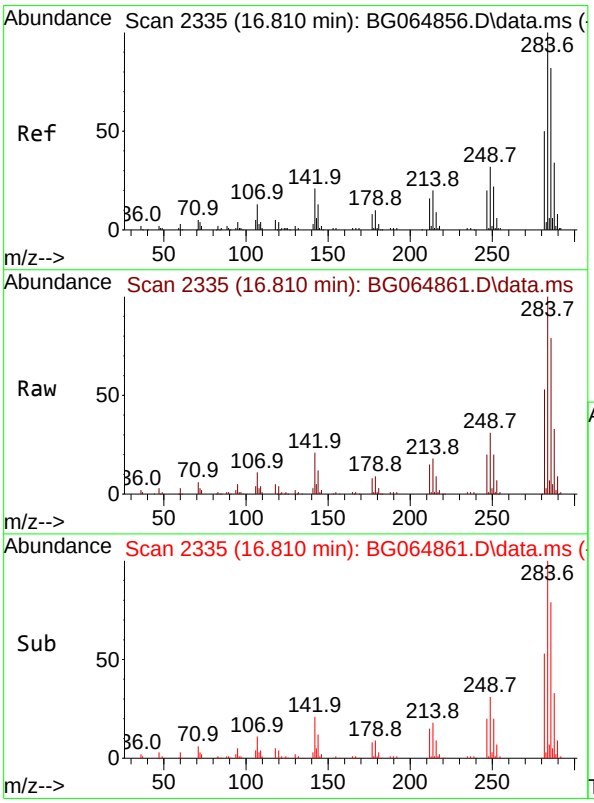


#68
4-Bromophenyl-phenylether
Concen: 34.166 ng/ul
RT: 16.687 min Scan# 2314
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:248 Resp: 110810

Ion	Ratio	Lower	Upper
248	100		
250	97.1	80.2	120.2
141	47.4	41.3	61.9

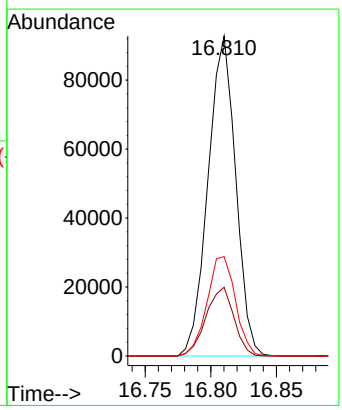




#69
Hexachlorobenzene
Concen: 34.527 ng/ul
RT: 16.810 min Scan# 2335
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

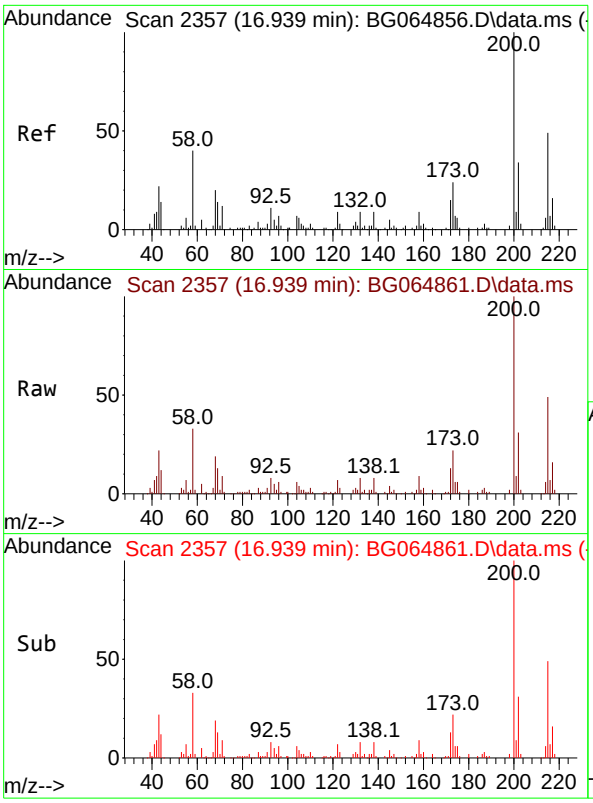
Tgt Ion:284 Resp: 135853

Ion	Ratio	Lower	Upper
284	100		
142	20.1	17.6	26.4
249	29.0	24.7	37.1



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

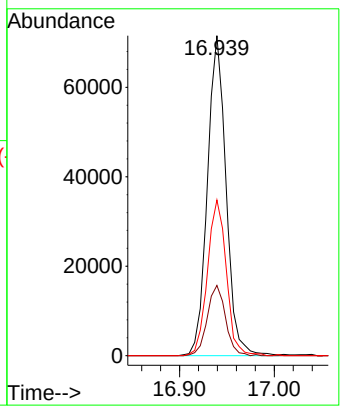
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#70
Atrazine
Concen: 31.249 ng/ul
RT: 16.939 min Scan# 2357
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

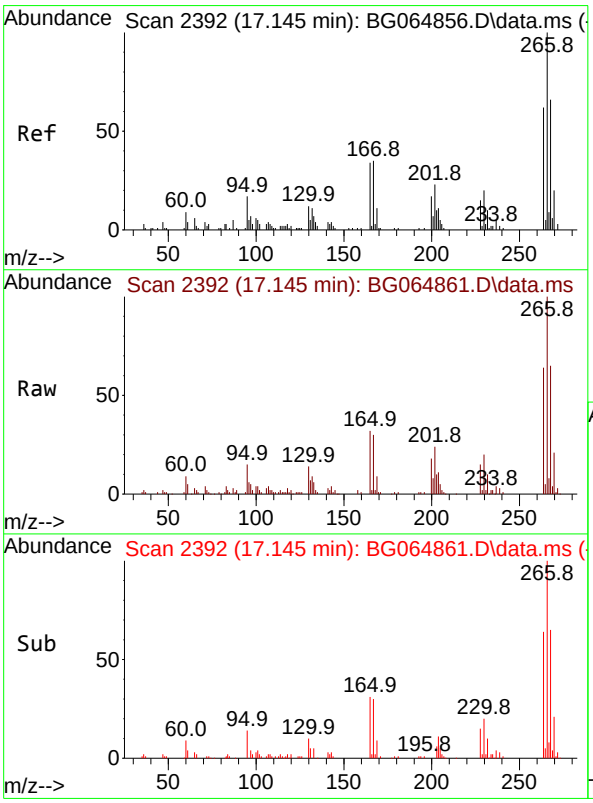
Tgt Ion:200 Resp: 97750

Ion	Ratio	Lower	Upper
200	100		
173	21.9	18.6	28.0
215	48.7	39.0	58.6



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

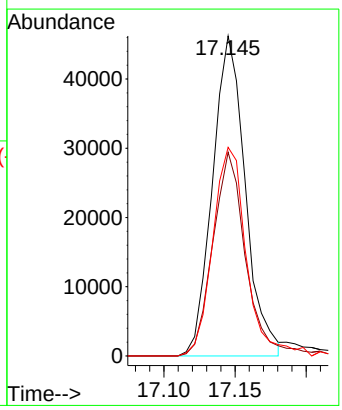
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

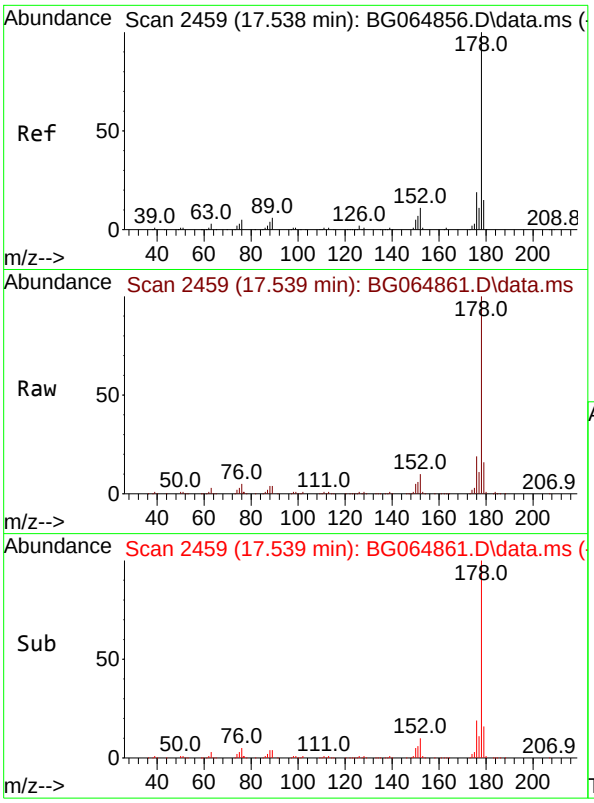


#71
Pentachlorophenol
Concen: 33.872 ng/ul
RT: 17.145 min Scan# 2392
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:266 Resp: 74006

Ion	Ratio	Lower	Upper
266	100		
264	68.4	48.8	73.2
268	65.2	53.0	79.4

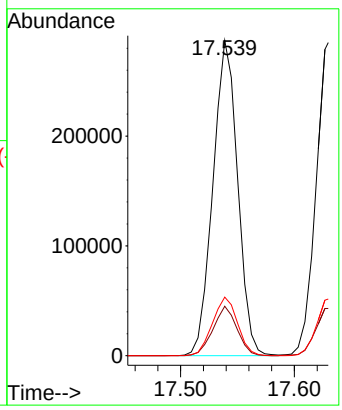


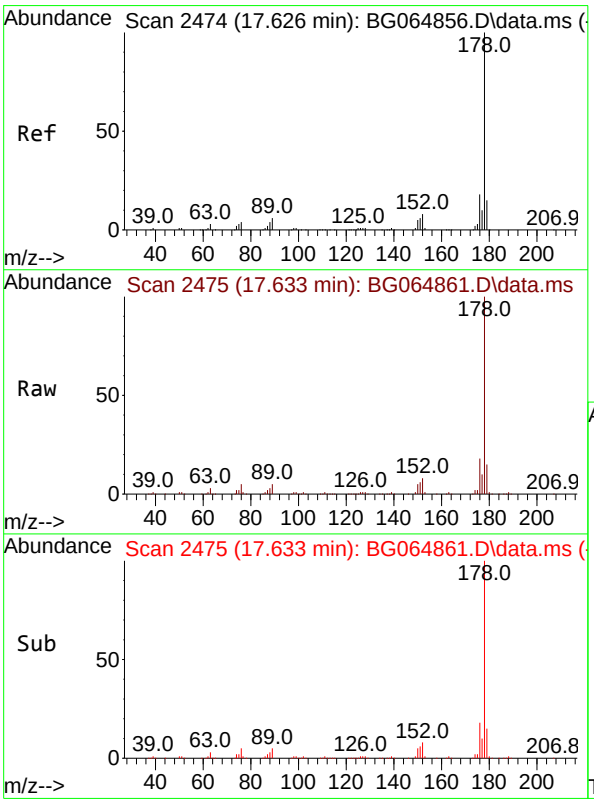


#72
Phenanthrene
Concen: 31.868 ng/ul
RT: 17.539 min Scan# 2459
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:178 Resp: 433496

Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.9	17.9
176	18.6	15.1	22.7

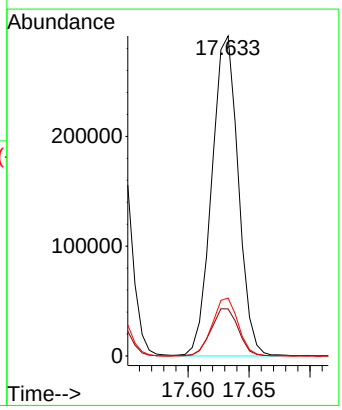




#74
Anthracene
Concen: 32.385 ng/ul
RT: 17.633 min Scan# 2475
Delta R.T. 0.007 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

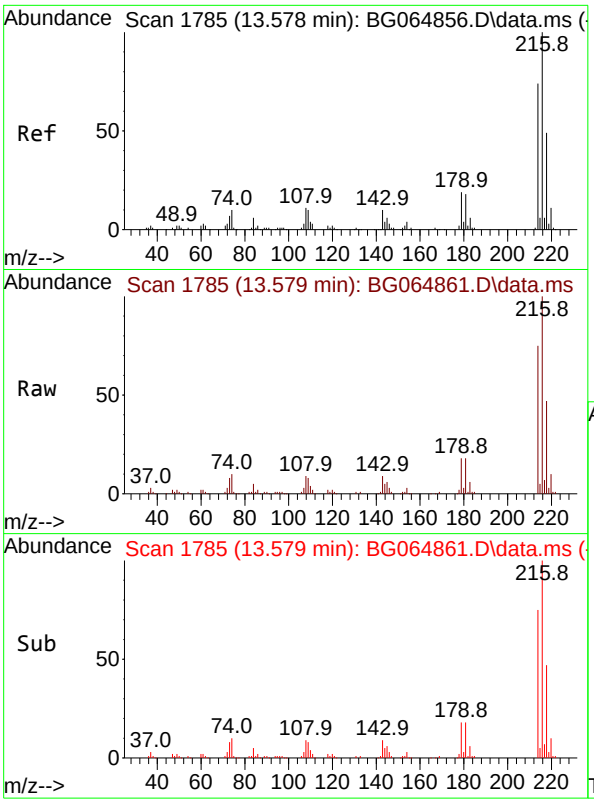
Tgt Ion:178 Resp: 441890

Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.5	18.7
176	18.1	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

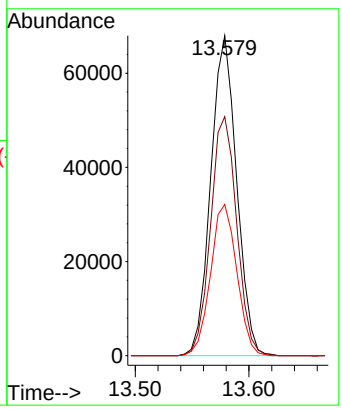
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#75
1,2,3,4-Tetrachlorobenzene
Concen: 29.392 ng/ul
RT: 13.579 min Scan# 1785
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

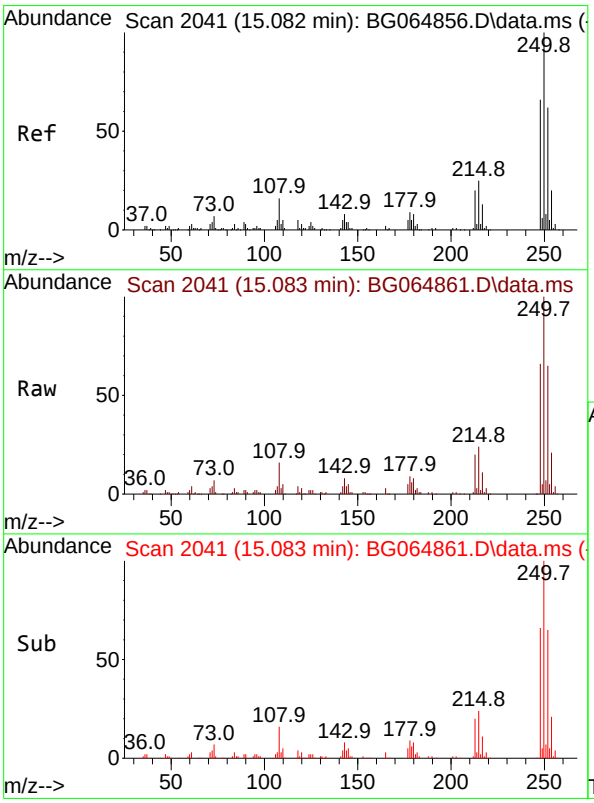
Tgt Ion:216 Resp: 107500

Ion	Ratio	Lower	Upper
216	100		
214	74.7	60.1	90.1
218	47.3	38.2	57.4



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

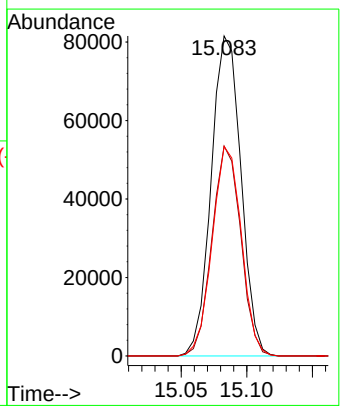
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

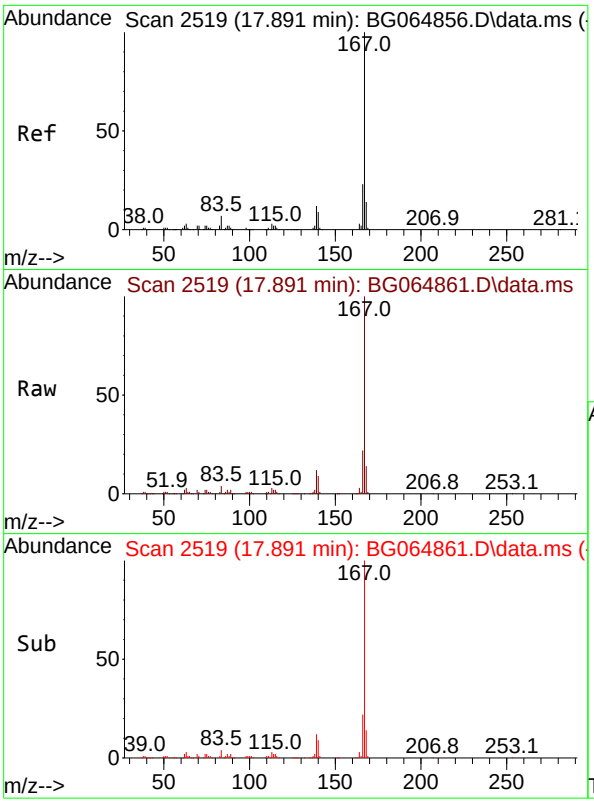


#76
Pentachlorobenzene
Concen: 30.956 ng/ul
RT: 15.083 min Scan# 2041
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:250 Resp: 128626

Ion	Ratio	Lower	Upper
250	100		
248	65.6	48.5	72.7
252	65.5	51.8	77.8

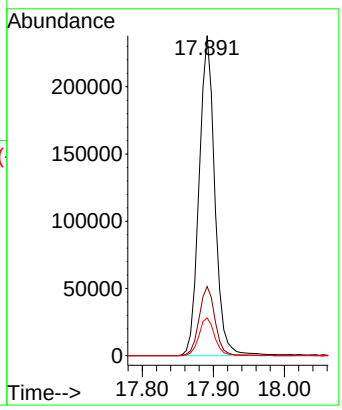




#77
Carbazole
Concen: 32.955 ng/ul
RT: 17.891 min Scan# 2519
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

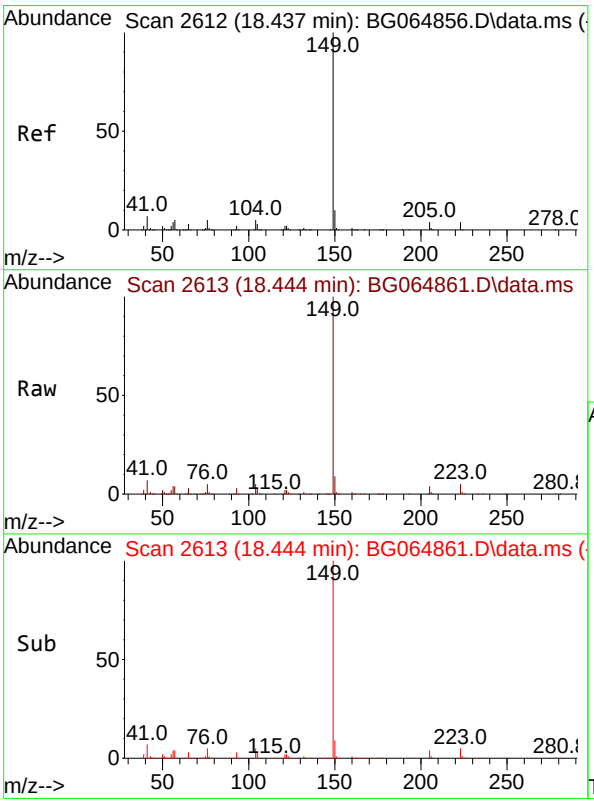
Tgt Ion:167 Resp: 366701

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.9	26.9
139	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

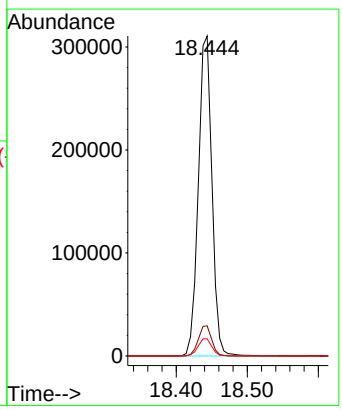
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

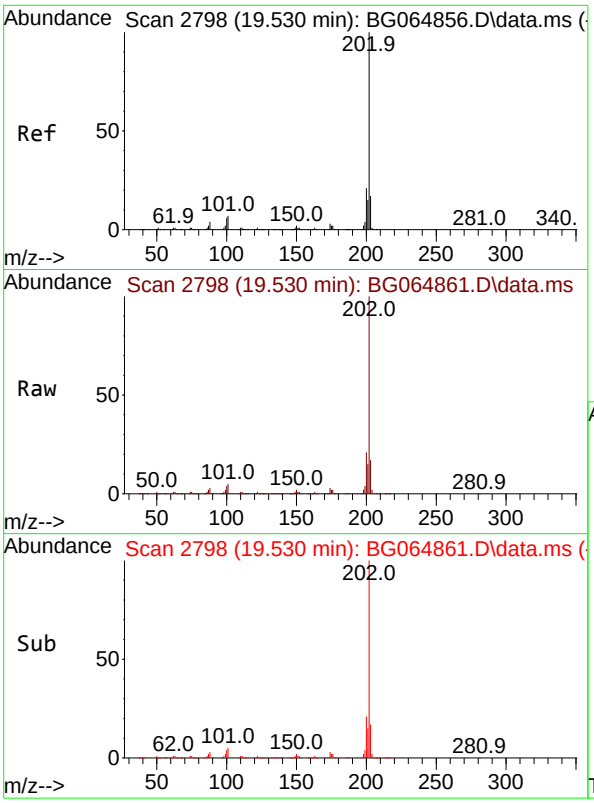


#78
Di-n-butylphthalate
Concen: 32.161 ng/ul
RT: 18.444 min Scan# 2613
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:149 Resp: 413929

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	5.3	3.5	5.3#

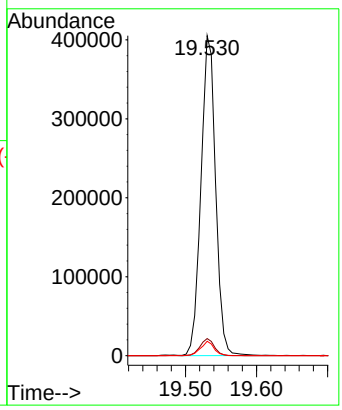


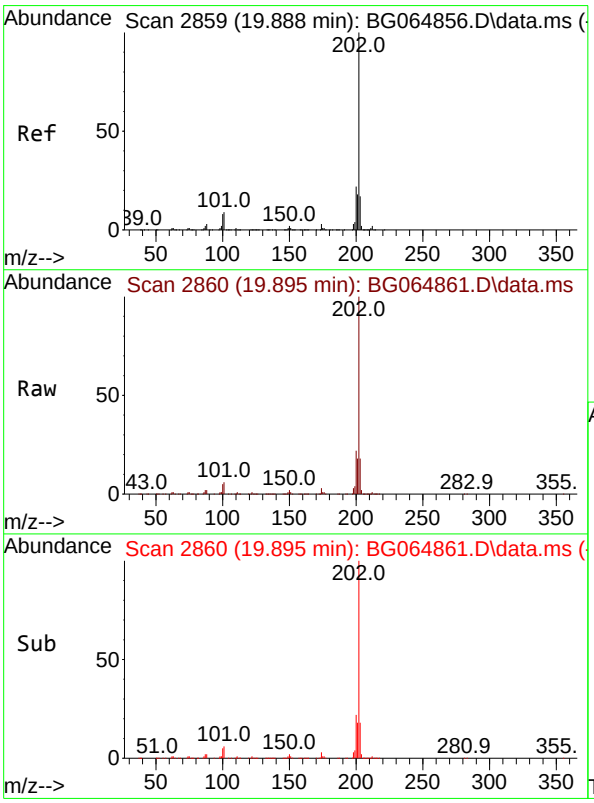


#80
Fluoranthene
Concen: 32.296 ng/ul
RT: 19.530 min Scan# 2798
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:202 Resp: 581168

Ion	Ratio	Lower	Upper
202	100		
101	5.4	5.5	8.3#
100	4.5	4.9	7.3#

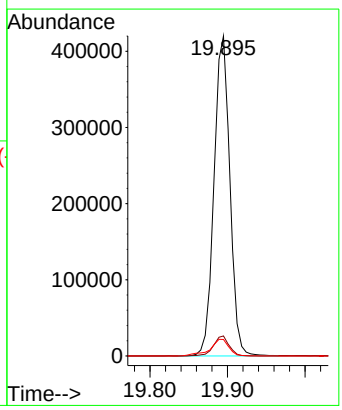




#82
Pyrene
Concen: 31.779 ng/ul
RT: 19.895 min Scan# 2860
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

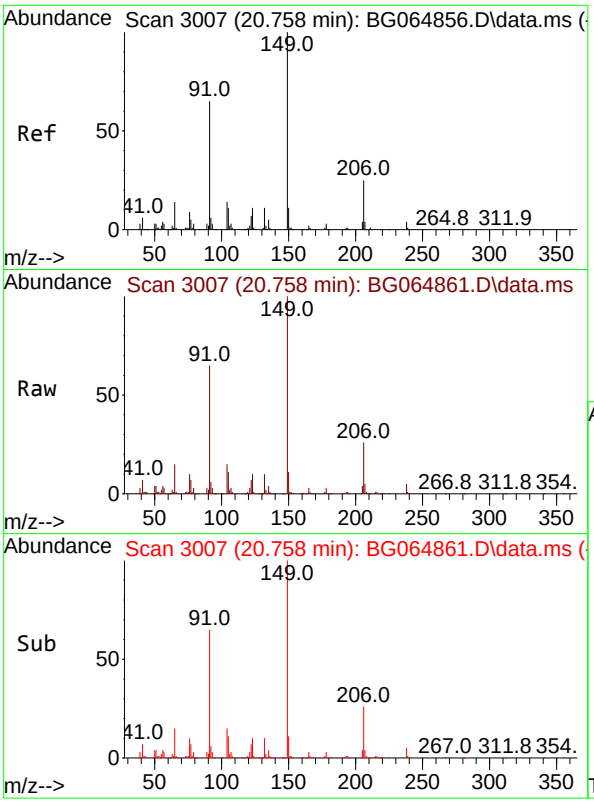
Tgt Ion:202 Resp: 596898

Ion	Ratio	Lower	Upper
202	100		
101	6.2	6.0	9.0
100	5.2	5.4	8.2#



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

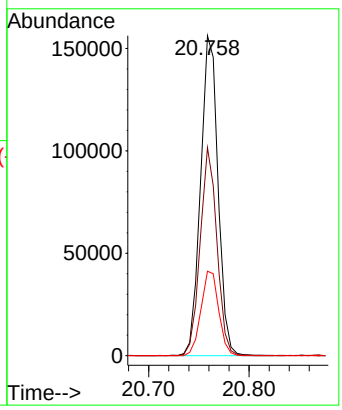
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mohammad
12/3/2025 1:12:48 AM

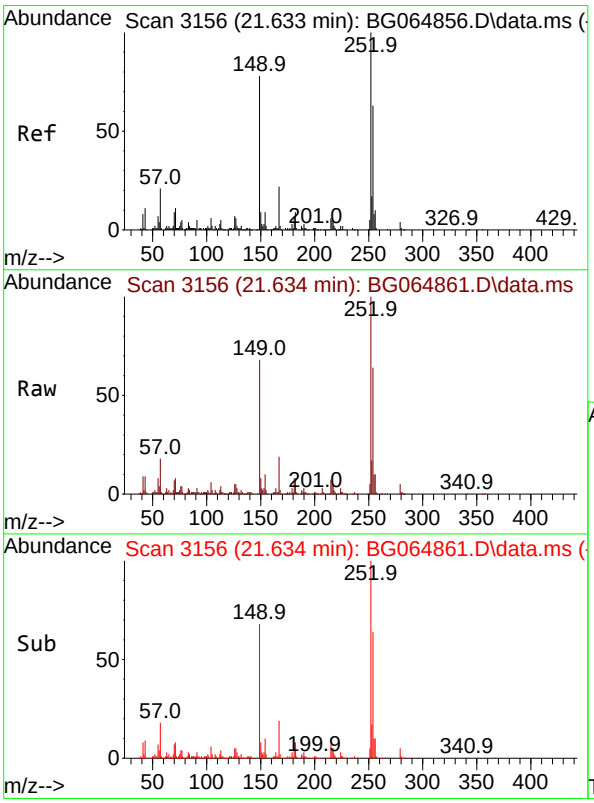


#83
Butylbenzylphthalate
Concen: 30.541 ng/ul
RT: 20.758 min Scan# 3007
Delta R.T. -0.005 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:149 Resp: 189441

Ion	Ratio	Lower	Upper
149	100		
91	65.0	48.3	72.5
206	26.4	19.9	29.9

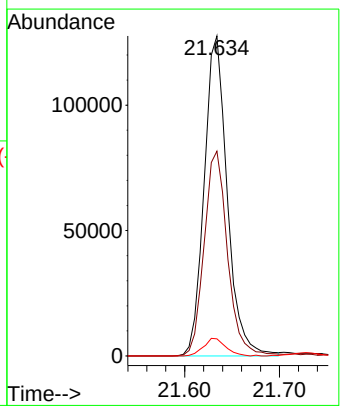




#84
3,3'-Dichlorobenzidine
Concen: 32.396 ng/ul
RT: 21.634 min Scan# 3156
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

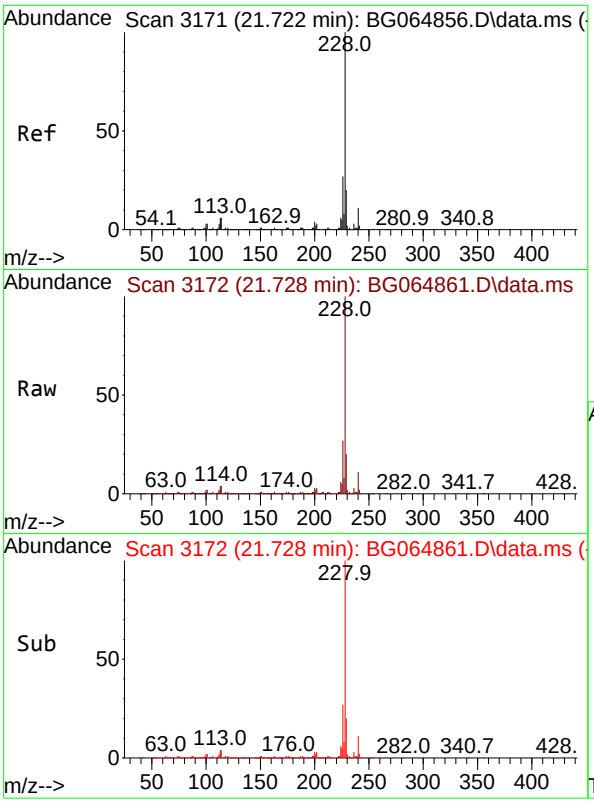
Tgt Ion:252 Resp: 215763

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.9	77.9
126	5.4	4.6	7.0



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

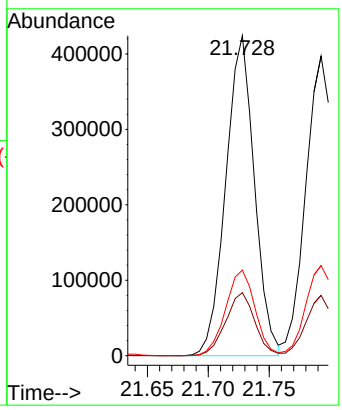
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#85
Benzo(a)anthracene
Concen: 33.069 ng/ul
RT: 21.728 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

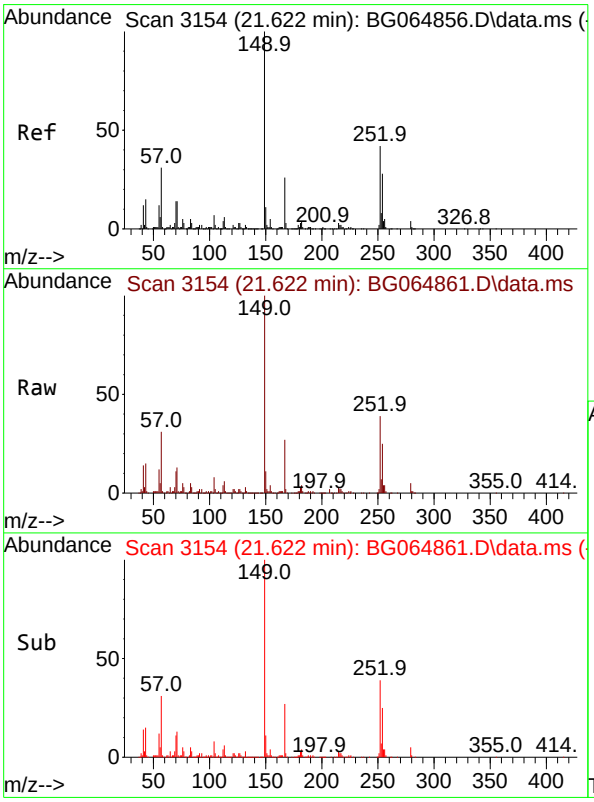
Tgt Ion:228 Resp: 693387

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.2	22.8
226	26.7	21.6	32.4



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

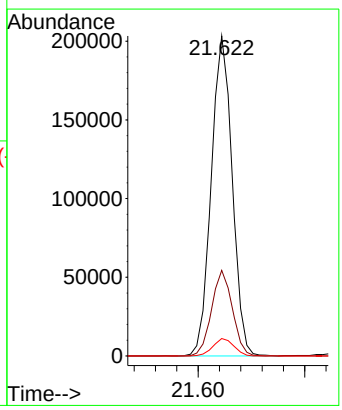
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

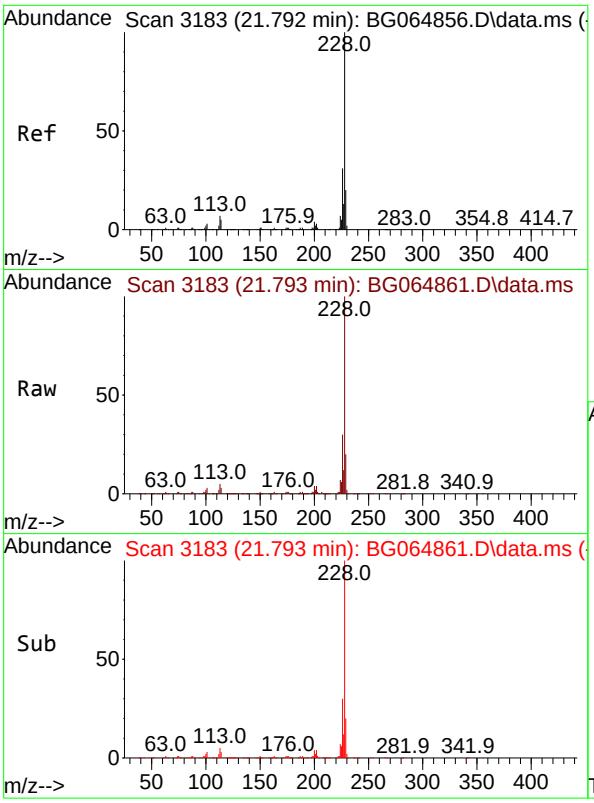


#86
Bis(2-ethylhexyl)phthalate
Concen: 30.188 ng/ul
RT: 21.622 min Scan# 3154
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:149 Resp: 276933

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.7	31.1
279	5.4	3.8	5.8

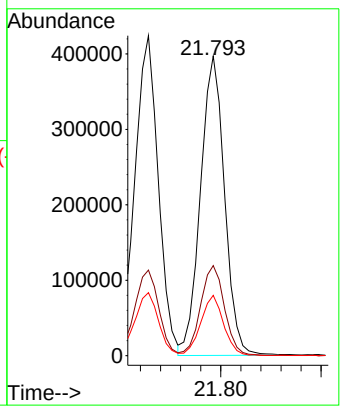




#87
Chrysene
Concen: 32.615 ng/ul
RT: 21.793 min Scan# 3183
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

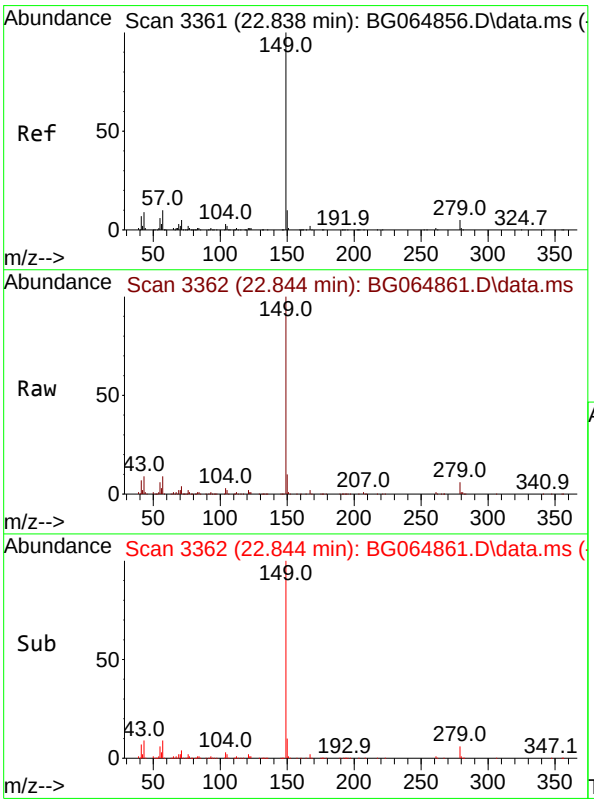
Tgt Ion:228 Resp: 661930

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	36.8
229	20.1	15.8	23.6



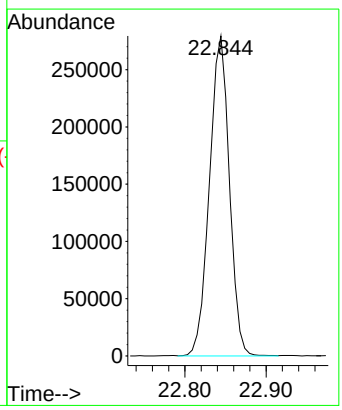
Instrument :
BNA_G
ClientSampleId :
M-31SMSD

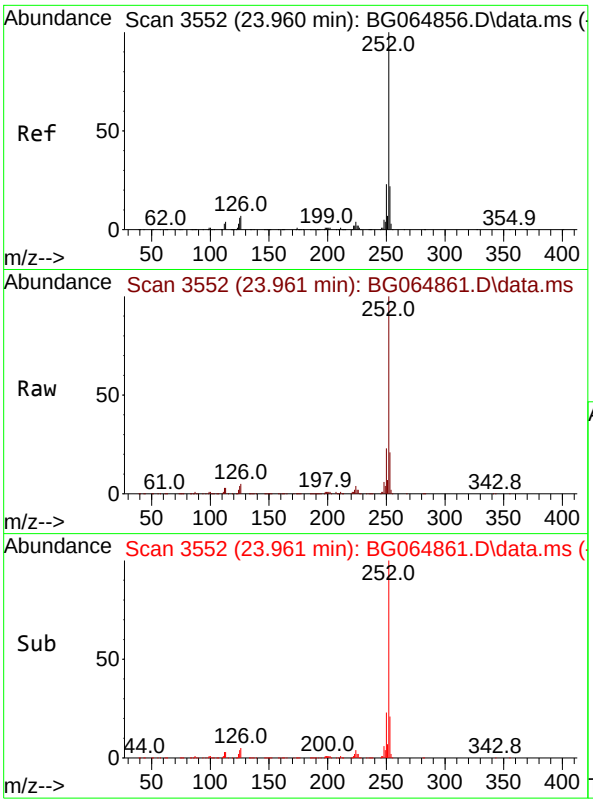
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#89
Di-n-octyl phthalate
Concen: 30.301 ng/ul
RT: 22.844 min Scan# 3362
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:149 Resp: 476491

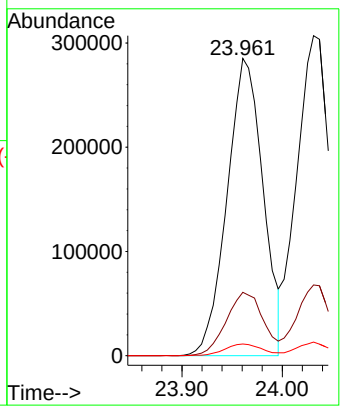


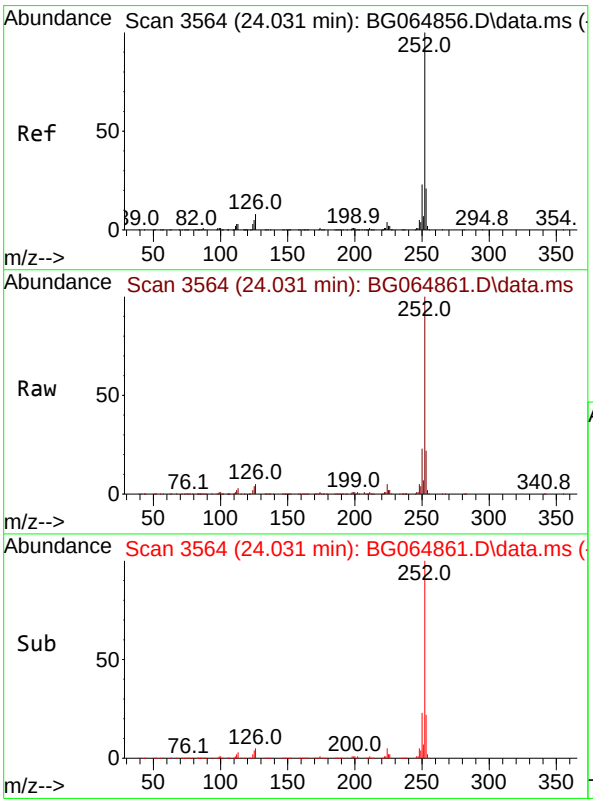


#90
Benzo(b)fluoranthene
Concen: 33.501 ng/ul
RT: 23.961 min Scan# 3552
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:252 Resp: 711785

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	3.9	4.6	6.8#

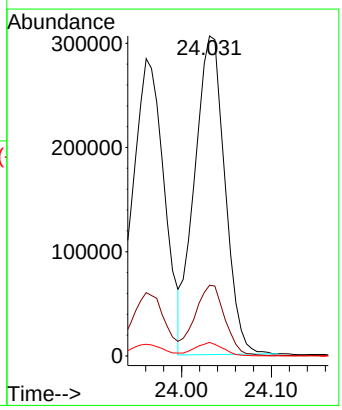




#91
Benzo(k)fluoranthene
Concen: 32.984 ng/ul
RT: 24.031 min Scan# 3564
Delta R.T. 0.007 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

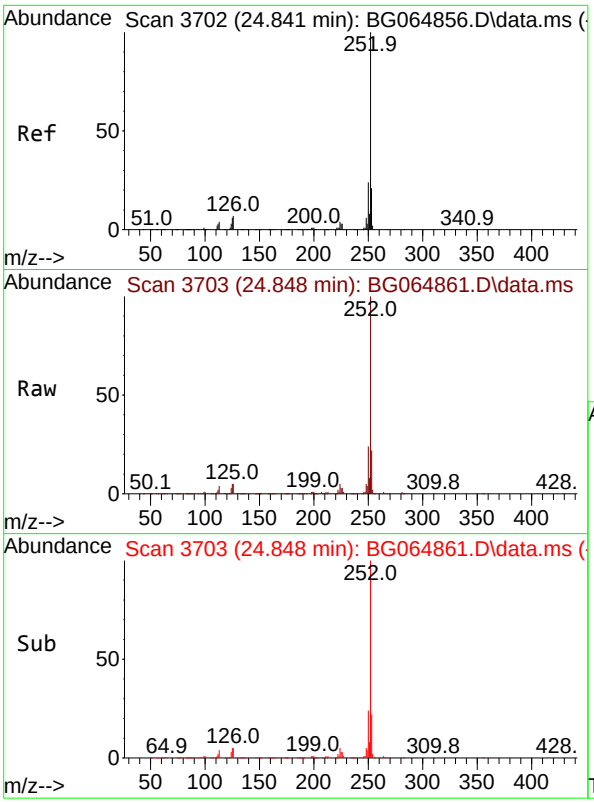
Tgt Ion:252 Resp: 717080

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.6	28.0
125	4.2	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

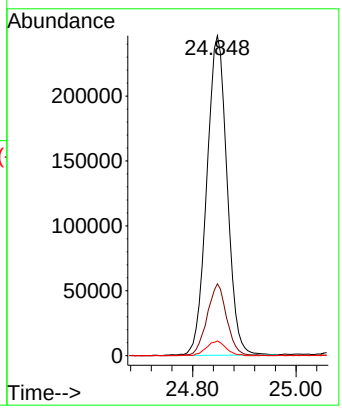
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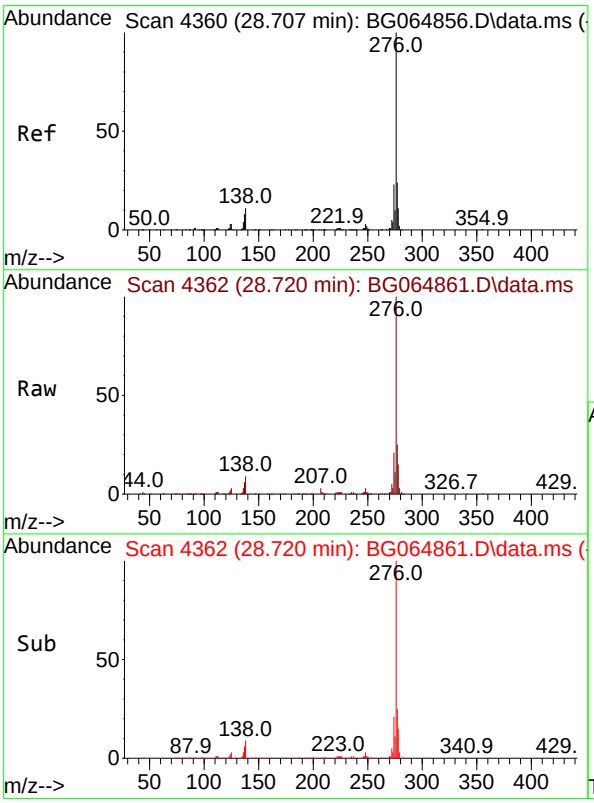


#93
Benzo(a)pyrene
Concen: 33.198 ng/ul
RT: 24.848 min Scan# 3703
Delta R.T. 0.001 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:252 Resp: 670832

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	4.6	4.7	7.1#

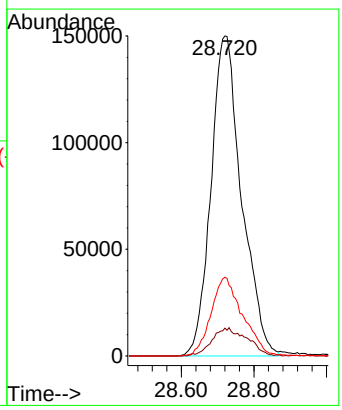




#94
Indeno(1,2,3-cd)pyrene
Concen: 33.843 ng/ul
RT: 28.720 min Scan# 4362
Delta R.T. 0.007 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

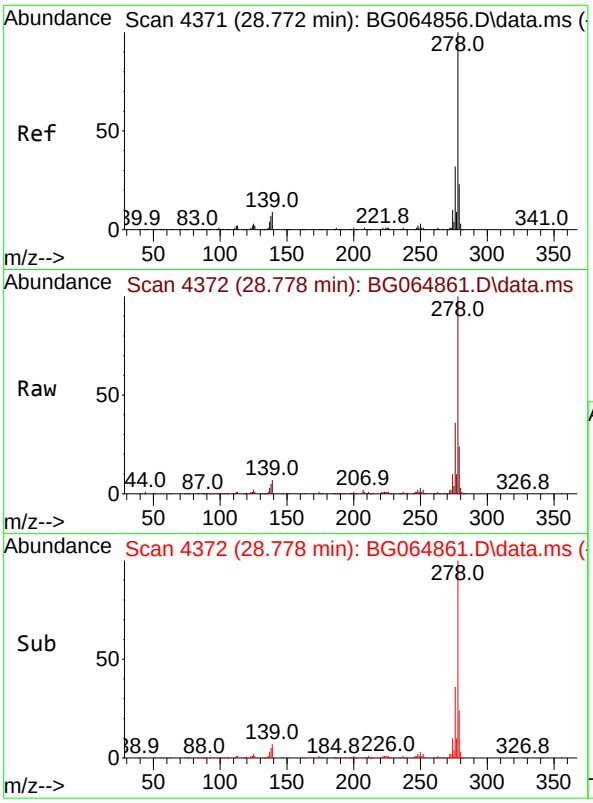
Tgt Ion:276 Resp: 878560

Ion	Ratio	Lower	Upper
276	100		
138	8.7	9.0	13.4#
277	24.6	18.5	27.7



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

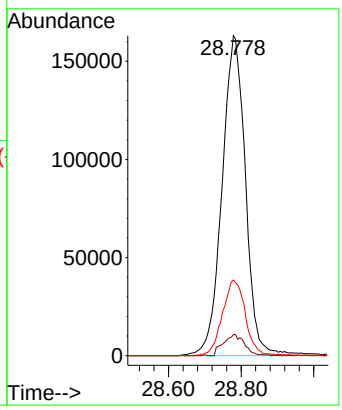
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#95
Dibenzo(a,h)anthracene
Concen: 34.635 ng/ul
RT: 28.778 min Scan# 4372
Delta R.T. 0.000 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

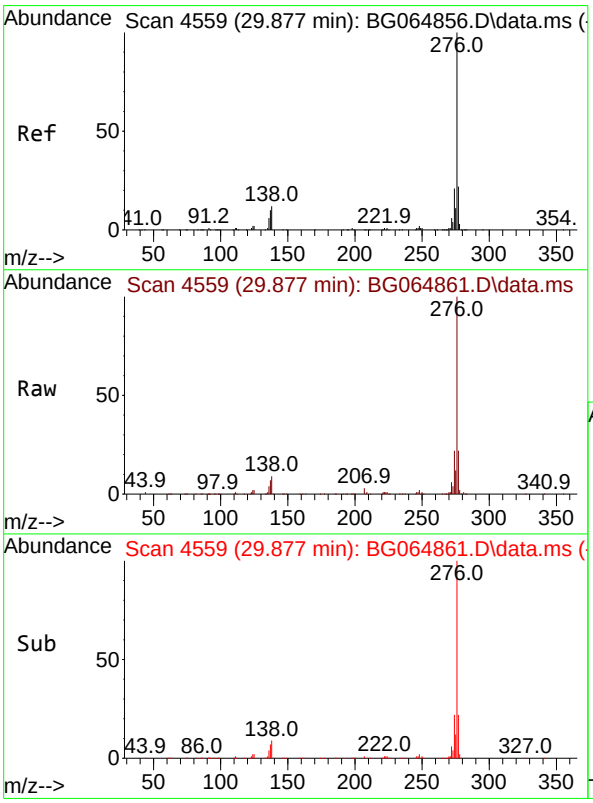
Tgt Ion:278 Resp: 725345

Ion	Ratio	Lower	Upper
278	100		
139	6.6	6.6	9.8#
279	23.6	18.6	27.8



Instrument :
BNA_G
ClientSampleId :
M-31SMSD

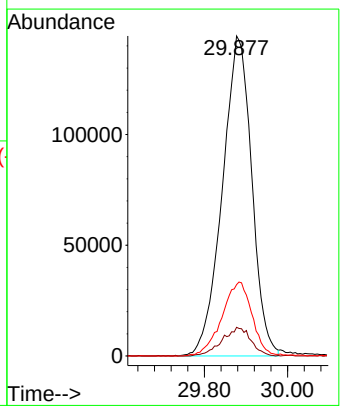
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#96
Benzo(g,h,i)perylene
Concen: 33.764 ng/ul
RT: 29.877 min Scan# 4559
Delta R.T. 0.007 min
Lab File: BG064861.D
Acq: 25 Nov 2025 15:14

Tgt Ion:276 Resp: 707507

Ion	Ratio	Lower	Upper
276	100		
138	9.0	9.8	14.8#
277	22.3	18.1	27.1



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064861.D
Acq On : 25 Nov 2025 15:14
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31SMSD

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.156	152	27494	20.000	ng/ul	0.00
20) Naphthalene-d8	10.976	136	108035	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.765	164	94243	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	243275	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.746	240	312755	20.000	ng/ul	# 0.00
88) Perylene-d12	24.995	264	345076	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.485	96	2480	3.575	ng/uL	0.00
4) Pyridine-d5	3.914	84	19802	10.361	ng/ul	0.00
7) Phenol-d5	7.298	99	20542	9.268	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	27475	19.383	ng/ul	0.00
11) 2-Chlorophenol-d4	7.686	132	34521	20.545	ng/ul	0.00
15) 4-Methylphenol-d8	8.855	113	30987	16.221	ng/ul	0.00
21) Nitrobenzene-d5	9.313	128	19421	23.834	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	25159	25.995	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	51633	25.875	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	58802	23.054	ng/ul	0.00
46) Dimethylphthalate-d6	14.166	166	236149	31.855	ng/ul	0.00
49) Acenaphthylene-d8	14.460	160	197233	24.843	ng/ul	0.00
54) 4-Nitrophenol-d4	14.936	143	15265	13.582	ng/ul	0.00
60) Fluorene-d10	15.753	176	197835	29.726	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	58035	37.261	ng/ul	0.00
73) Anthracene-d10	17.597	188	408258	33.212	ng/ul	0.00
81) Pyrene-d10	19.865	212	535796	33.352	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	611106	33.566	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.520	88	3154	3.931	ng/uL	97
5) Pyridine	3.931	79	21502	10.275	ng/ul	85
6) Benzaldehyde	7.280	77	14453	13.277	ng/ul	91
8) Phenol	7.327	94	22276	9.628	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.562	93	35107	20.518	ng/ul	96
12) 2-Chlorophenol	7.715	128	38462	21.613	ng/ul	95
13) 2-Methylphenol	8.590	108	33623	18.358	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.684	45	73048	20.335	ng/ul	99
16) Acetophenone	8.972	105	73719	23.462	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.961	70	34341	22.783	ng/ul#	94
18) 4-Methylphenol	8.914	108	33523	16.682	ng/ul	84
19) Hexachloroethane	9.254	117	12812	16.133	ng/ul	96
22) Nitrobenzene	9.360	77	52495	25.082	ng/ul	97
23) Isophorone	9.883	82	105285	25.679	ng/ul	98
25) 2-Nitrophenol	10.077	139	27007	26.543	ng/ul#	92
26) 2,4-Dimethylphenol	10.124	107	49935	22.784	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.365	93	56927	24.758	ng/ul#	97
29) 2,4-Dichlorophenol	10.612	162	51544	27.696	ng/ul	94
30) Naphthalene	11.023	128	138854	22.365	ng/ul	98
32) 4-Chloroaniline	11.123	127	35431	13.648	ng/ul	98
33) Hexachlorobutadiene	11.311	225	43418	22.241	ng/ul	98
34) Caprolactam	11.863	113	12026m	18.493	ng/ul	
35) 4-Chloro-3-methylphenol	12.227	107	57315	28.280	ng/ul	97
36) 2-Methylnaphthalene	12.615	142	118477	25.465	ng/ul	97

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064861.D
Acq On : 25 Nov 2025 15:14
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31SMSD

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.832	142	118939	26.118	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.979	216	101578	28.054	ng/ul	91
40) Hexachlorocyclopentadiene	12.962	237	49949	19.912	ng/ul	91
41) 2,4,6-Trichlorophenol	13.208	196	61843	30.897	ng/ul	93
42) 2,4,5-Trichlorophenol	13.285	196	71778	34.034	ng/ul	94
43) 1,1'-Biphenyl	13.608	154	177879	26.810	ng/ul	98
44) 2-Chloronaphthalene	13.655	162	138576	26.605	ng/ul	98
45) 2-Nitroaniline	13.843	65	49791	32.156	ng/ul	97
47) Dimethylphthalate	14.213	163	233165	30.821	ng/ul	99
48) 2,6-Dinitrotoluene	14.331	165	47095	33.926	ng/ul	98
50) Acenaphthylene	14.495	152	248795	27.391	ng/ul	98
51) 3-Nitroaniline	14.660	138	41805	34.722	ng/ul	93
52) Acenaphthene	14.830	153	164451	27.612	ng/ul	98
53) 2,4-Dinitrophenol	14.860	184	28686	35.140	ng/ul#	79
55) 4-Nitrophenol	14.948	109	15416	14.838	ng/ul#	87
56) Dibenzofuran	15.165	168	266499	29.315	ng/ul	99
57) 2,4-Dinitrotoluene	15.112	165	76049	36.009	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.382	232	84011	35.177	ng/ul	93
59) Diethylphthalate	15.565	149	238852	32.148	ng/ul	99
61) Fluorene	15.805	166	213989	30.009	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.794	204	138474	31.844	ng/ul	97
63) 4-Nitroaniline	15.811	138	46408	37.436	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.870	198	53585	35.400	ng/ul#	97
67) N-Nitrosodiphenylamine	16.005	169	205182	31.383	ng/ul	99
68) 4-Bromophenyl-phenylether	16.687	248	110810	34.166	ng/ul	96
69) Hexachlorobenzene	16.810	284	135853	34.527	ng/ul	96
70) Atrazine	16.939	200	97750	31.249	ng/ul	99
71) Pentachlorophenol	17.145	266	74006	33.872	ng/ul	95
72) Phenanthrene	17.539	178	433496	31.868	ng/ul	99
74) Anthracene	17.633	178	441890	32.385	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.579	216	107500	29.392	ng/ul	99
76) Pentachlorobenzene	15.083	250	128626	30.956	ng/ul	96
77) Carbazole	17.891	167	366701	32.955	ng/ul	99
78) Di-n-butylphthalate	18.444	149	413929	32.161	ng/ul#	99
80) Fluoranthene	19.530	202	581168	32.296	ng/ul#	95
82) Pyrene	19.895	202	596898	31.779	ng/ul#	96
83) Butylbenzylphthalate	20.758	149	189441	30.541	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.634	252	215763	32.396	ng/ul	99
85) Benzo(a)anthracene	21.728	228	693387	33.069	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.622	149	276933	30.188	ng/ul	98
87) Chrysene	21.793	228	661930	32.615	ng/ul	99
89) Di-n-octyl phthalate	22.844	149	476491	30.301	ng/ul	100
90) Benzo(b)fluoranthene	23.961	252	711785	33.501	ng/ul#	99
91) Benzo(k)fluoranthene	24.031	252	717080	32.984	ng/ul	98
93) Benzo(a)pyrene	24.848	252	670832	33.198	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.720	276	878560	33.843	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.778	278	725345	34.635	ng/ul#	98
96) Benzo(g,h,i)perylene	29.877	276	707507	33.764	ng/ul#	97

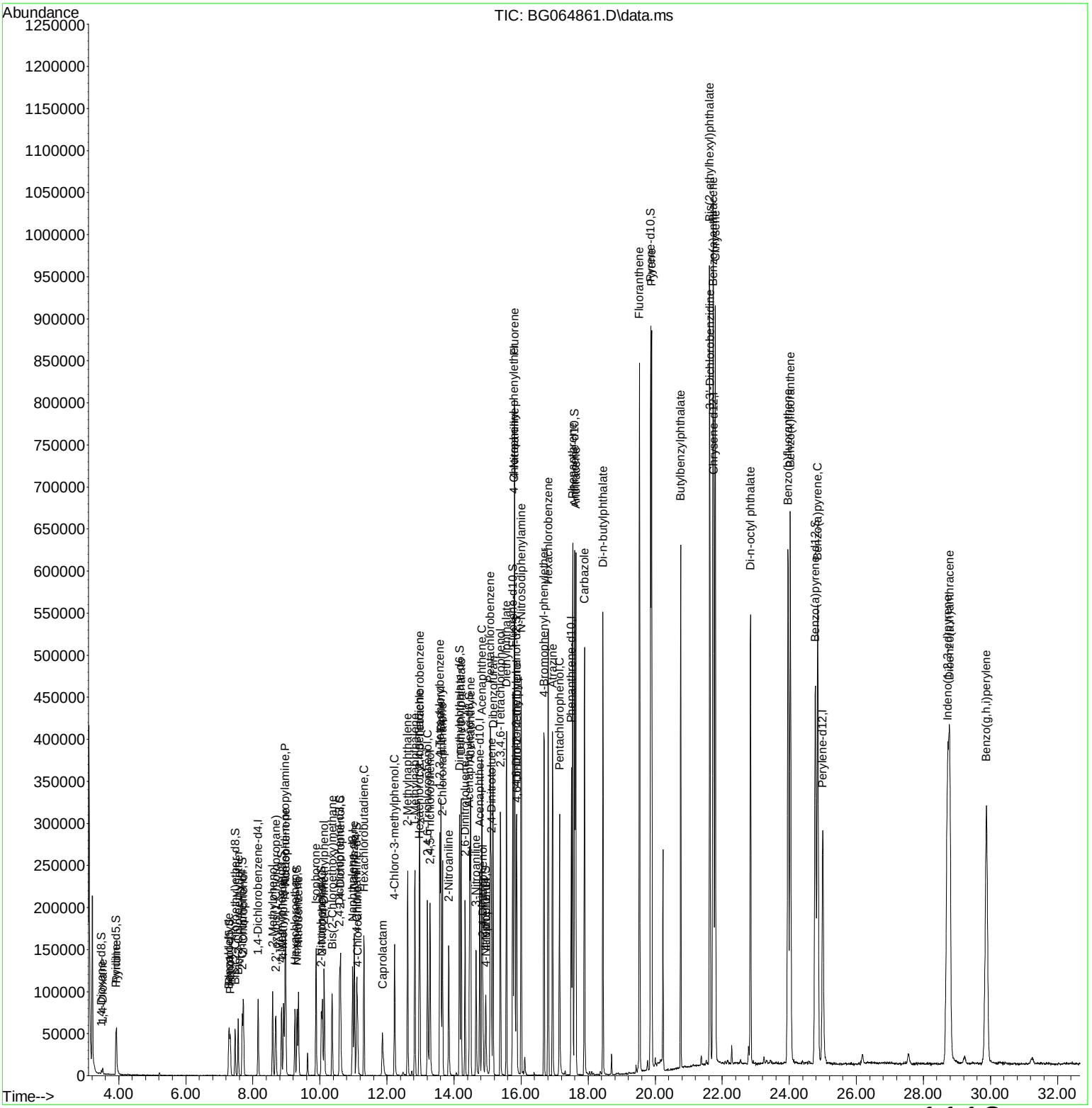
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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064861.D
Acq On : 25 Nov 2025 15:14
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMSD

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



1112

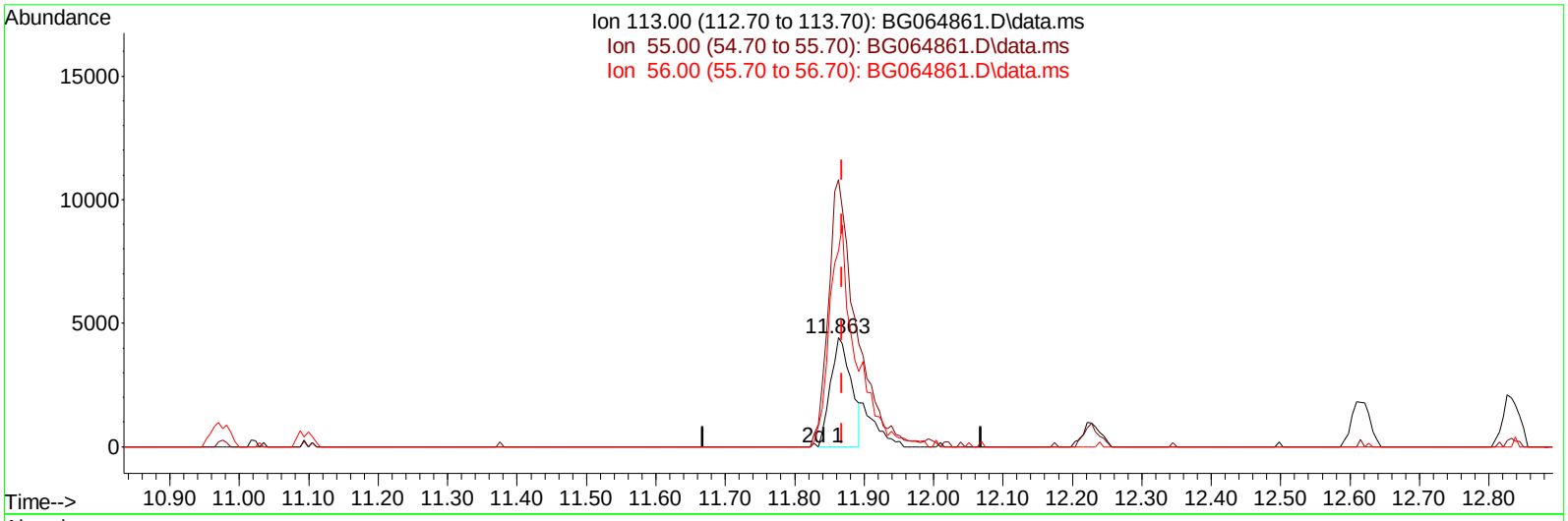
Quantitation Report (Qedit)

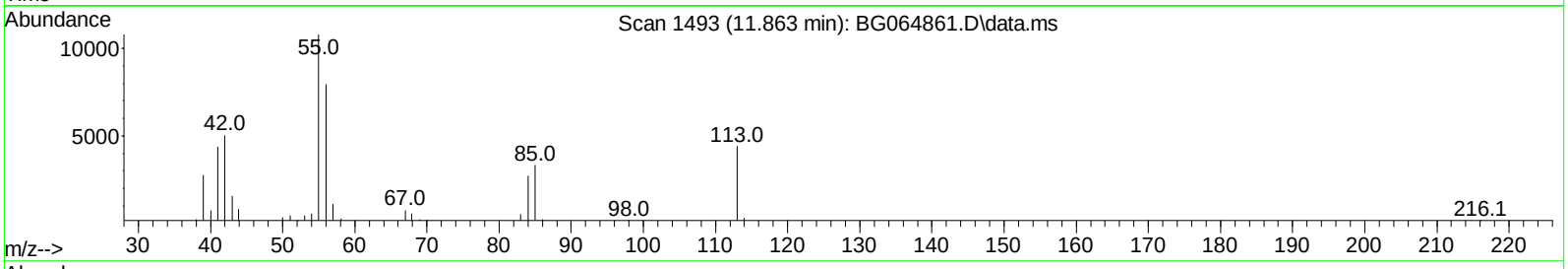
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Data File : BG064861.D
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Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

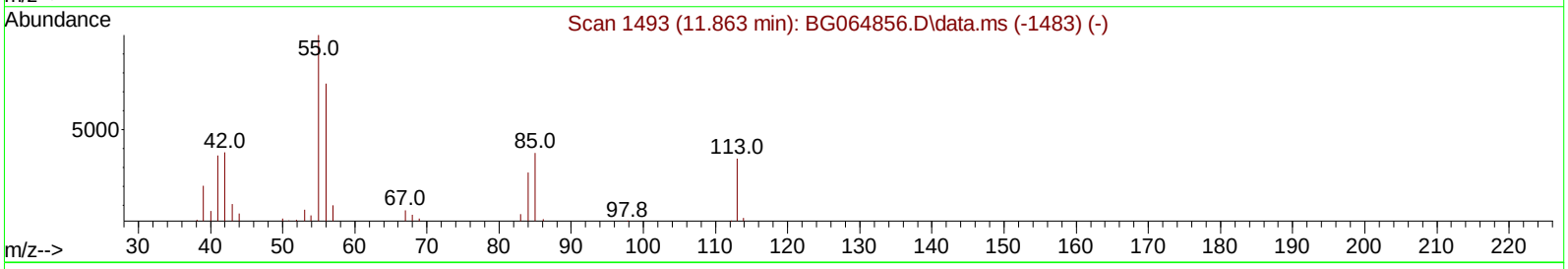
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMSD

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064861.D\data.ms

(34) Caprolactam

11.863min (-0.005) 14.35 ng/ul

response 9330

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	245.07
56.00	159.40	180.13
0.00	0.00	0.00

1113

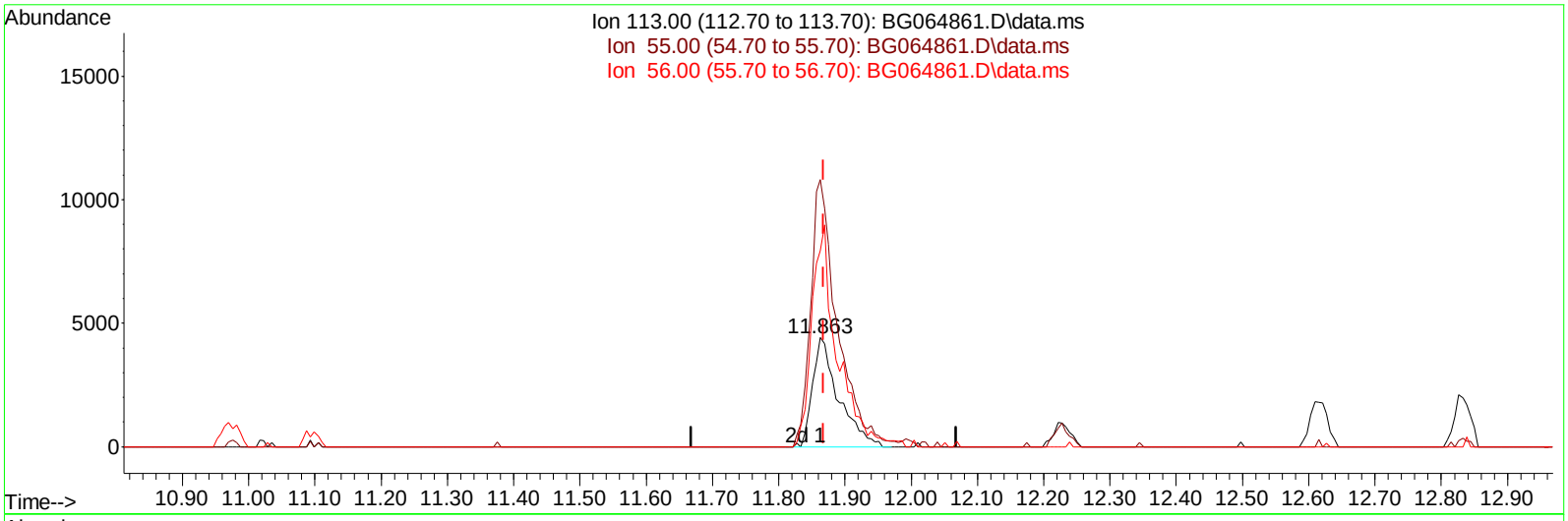
Quantitation Report (Qedit)

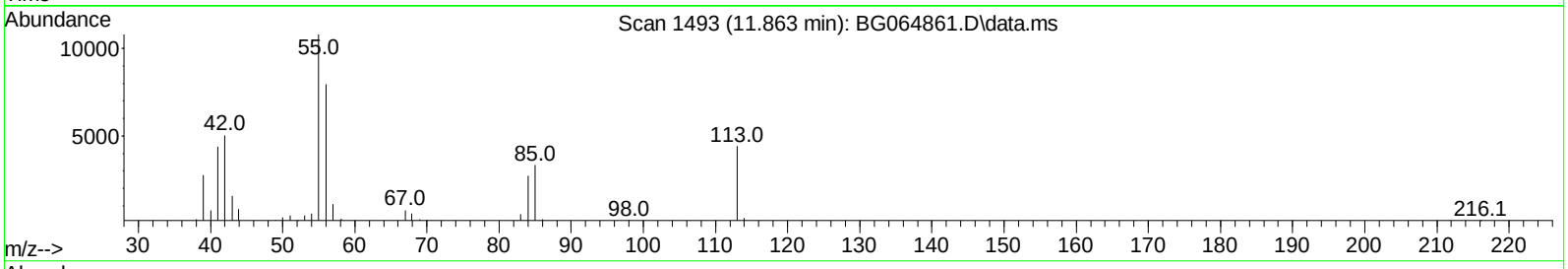
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Data File : BG064861.D
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Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

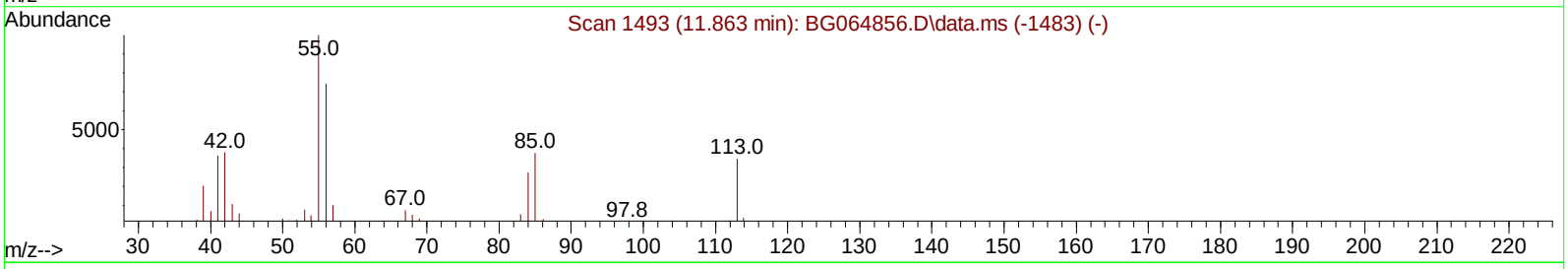
Quant Time: Nov 25 17:09:59 2025
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
M-31SMSD

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064861.D\data.ms

(34) Caprolactam

11.863min (-0.005) 18.49 ng/ul m

response 12026

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	245.07
56.00	159.40	180.13
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064861.D
Acq On : 25 Nov 2025 15:14
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : M-31SMSD

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.156	152	27494	20.000	ng/ul	0.00
20) Naphthalene-d8	10.976	136	108035	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.765	164	94243	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	243275	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.746	240	312755	20.000	ng/ul	# 0.00
88) Perylene-d12	24.995	264	345076	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.485	96	2480	3.575	ng/uL	0.00
4) Pyridine-d5	3.914	84	19802	10.361	ng/ul	0.00
7) Phenol-d5	7.298	99	20542	9.268	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	27475	19.383	ng/ul	0.00
11) 2-Chlorophenol-d4	7.686	132	34521	20.545	ng/ul	0.00
15) 4-Methylphenol-d8	8.855	113	30987	16.221	ng/ul	0.00
21) Nitrobenzene-d5	9.313	128	19421	23.834	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	25159	25.995	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.588	165	51633	25.875	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	58802	23.054	ng/ul	0.00
46) Dimethylphthalate-d6	14.166	166	236149	31.855	ng/ul	0.00
49) Acenaphthylene-d8	14.460	160	197233	24.843	ng/ul	0.00
54) 4-Nitrophenol-d4	14.936	143	15265	13.582	ng/ul	0.00
60) Fluorene-d10	15.753	176	197835	29.726	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	58035	37.261	ng/ul	0.00
73) Anthracene-d10	17.597	188	408258	33.212	ng/ul	0.00
81) Pyrene-d10	19.865	212	535796	33.352	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	611106	33.566	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.520	88	3154	3.931	ng/uL	97
5) Pyridine	3.931	79	21502	10.275	ng/ul	85
6) Benzaldehyde	7.280	77	14453	13.277	ng/ul	91
8) Phenol	7.327	94	22276	9.628	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.562	93	35107	20.518	ng/ul	96
12) 2-Chlorophenol	7.715	128	38462	21.613	ng/ul	95
13) 2-Methylphenol	8.590	108	33623	18.358	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.684	45	73048	20.335	ng/ul	99
16) Acetophenone	8.972	105	73719	23.462	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.961	70	34341	22.783	ng/ul#	94
18) 4-Methylphenol	8.914	108	33523	16.682	ng/ul	84
19) Hexachloroethane	9.254	117	12812	16.133	ng/ul	96
22) Nitrobenzene	9.360	77	52495	25.082	ng/ul	97
23) Isophorone	9.883	82	105285	25.679	ng/ul	98
25) 2-Nitrophenol	10.077	139	27007	26.543	ng/ul#	92
26) 2,4-Dimethylphenol	10.124	107	49935	22.784	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.365	93	56927	24.758	ng/ul#	97
29) 2,4-Dichlorophenol	10.612	162	51544	27.696	ng/ul	94
30) Naphthalene	11.023	128	138854	22.365	ng/ul	98
32) 4-Chloroaniline	11.123	127	35431	13.648	ng/ul	98
33) Hexachlorobutadiene	11.311	225	43418	22.241	ng/ul	98
34) Caprolactam	11.863	113	12026m	18.493	ng/ul	
35) 4-Chloro-3-methylphenol	12.227	107	57315	28.280	ng/ul	97

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064861.D
Acq On : 25 Nov 2025 15:14
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-31SMSD

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.615	142	118477	25.465	ng/ul	97
37) 1-Methylnaphthalene	12.832	142	118939	26.118	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.979	216	101578	28.054	ng/ul	91
40) Hexachlorocyclopentadiene	12.962	237	49949	19.912	ng/ul	91
41) 2,4,6-Trichlorophenol	13.208	196	61843	30.897	ng/ul	93
42) 2,4,5-Trichlorophenol	13.285	196	71778	34.034	ng/ul	94
43) 1,1'-Biphenyl	13.608	154	177879	26.810	ng/ul	98
44) 2-Chloronaphthalene	13.655	162	138576	26.605	ng/ul	98
45) 2-Nitroaniline	13.843	65	49791	32.156	ng/ul	97
47) Dimethylphthalate	14.213	163	233165	30.821	ng/ul	99
48) 2,6-Dinitrotoluene	14.331	165	47095	33.926	ng/ul	98
50) Acenaphthylene	14.495	152	248795	27.391	ng/ul	98
51) 3-Nitroaniline	14.660	138	41805	34.722	ng/ul	93
52) Acenaphthene	14.830	153	164451	27.612	ng/ul	98
53) 2,4-Dinitrophenol	14.860	184	28686	35.140	ng/ul#	79
55) 4-Nitrophenol	14.948	109	15416	14.838	ng/ul#	87
56) Dibenzofuran	15.165	168	266499	29.315	ng/ul	99
57) 2,4-Dinitrotoluene	15.112	165	76049	36.009	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.382	232	84011	35.177	ng/ul	93
59) Diethylphthalate	15.565	149	238852	32.148	ng/ul	99
61) Fluorene	15.805	166	213989	30.009	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.794	204	138474	31.844	ng/ul	97
63) 4-Nitroaniline	15.811	138	46408	37.436	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.870	198	53585	35.400	ng/ul#	97
67) N-Nitrosodiphenylamine	16.005	169	205182	31.383	ng/ul	99
68) 4-Bromophenyl-phenylether	16.687	248	110810	34.166	ng/ul	96
69) Hexachlorobenzene	16.810	284	135853	34.527	ng/ul	96
70) Atrazine	16.939	200	97750	31.249	ng/ul	99
71) Pentachlorophenol	17.145	266	74006	33.872	ng/ul	95
72) Phenanthrene	17.539	178	433496	31.868	ng/ul	99
74) Anthracene	17.633	178	441890	32.385	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.579	216	107500	29.392	ng/ul	99
76) Pentachlorobenzene	15.083	250	128626	30.956	ng/ul	96
77) Carbazole	17.891	167	366701	32.955	ng/ul	99
78) Di-n-butylphthalate	18.444	149	413929	32.161	ng/ul#	99
80) Fluoranthene	19.530	202	581168	32.296	ng/ul#	95
82) Pyrene	19.895	202	596898	31.779	ng/ul#	96
83) Butylbenzylphthalate	20.758	149	189441	30.541	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.634	252	215763	32.396	ng/ul	99
85) Benzo(a)anthracene	21.728	228	693387	33.069	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.622	149	276933	30.188	ng/ul	98
87) Chrysene	21.793	228	661930	32.615	ng/ul	99
89) Di-n-octyl phthalate	22.844	149	476491	30.301	ng/ul	100
90) Benzo(b)fluoranthene	23.961	252	711785	33.501	ng/ul#	99
91) Benzo(k)fluoranthene	24.031	252	717080	32.984	ng/ul	98
93) Benzo(a)pyrene	24.848	252	670832	33.198	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.720	276	878560	33.843	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.778	278	725345	34.635	ng/ul#	98
96) Benzo(g,h,i)perylene	29.877	276	707507	33.764	ng/ul#	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS717

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170717BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064858.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	32	
117-81-7	Bis(2-ethylhexyl)phthalate	33	

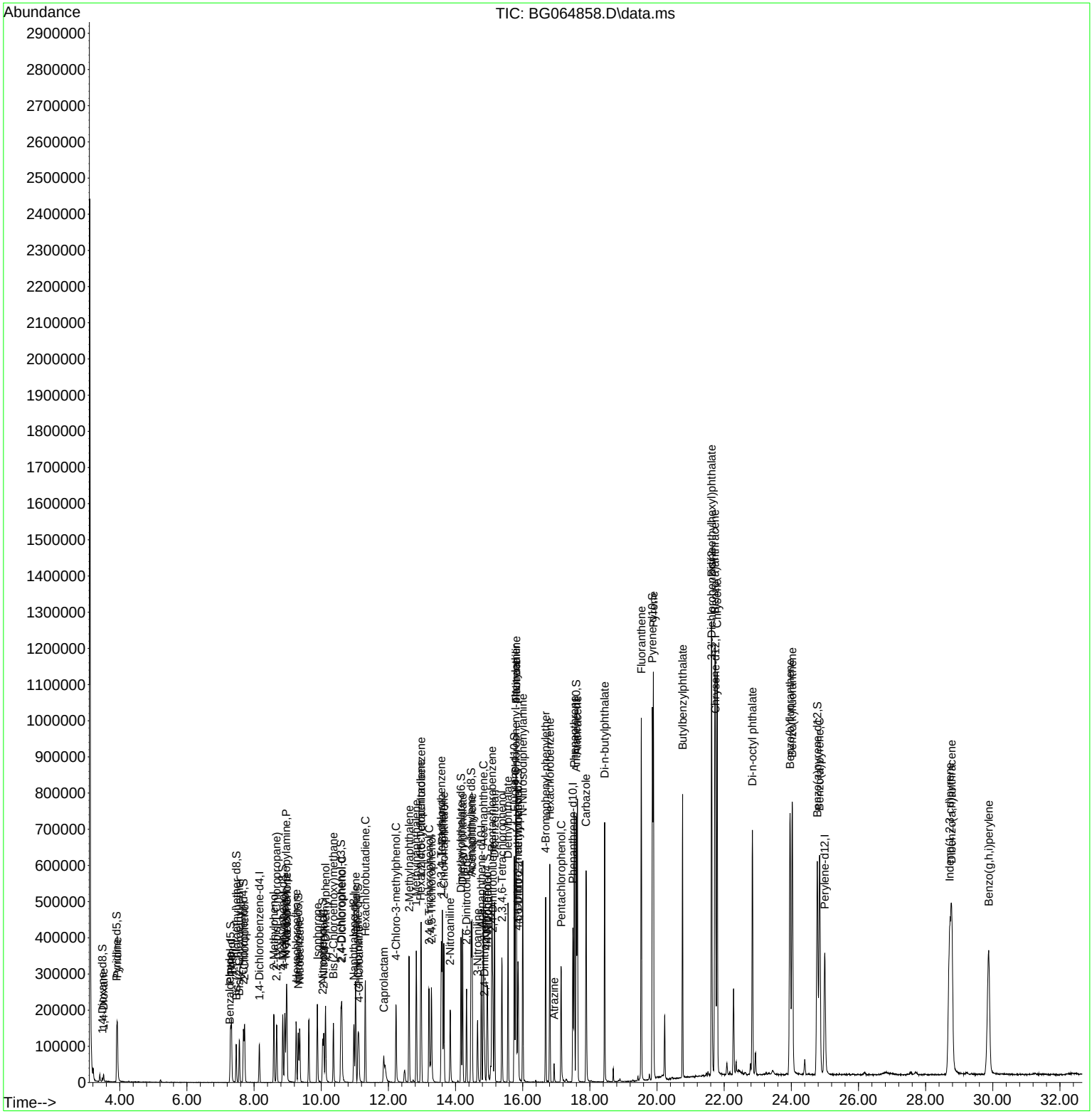
Quantitation Report (QT Reviewed)

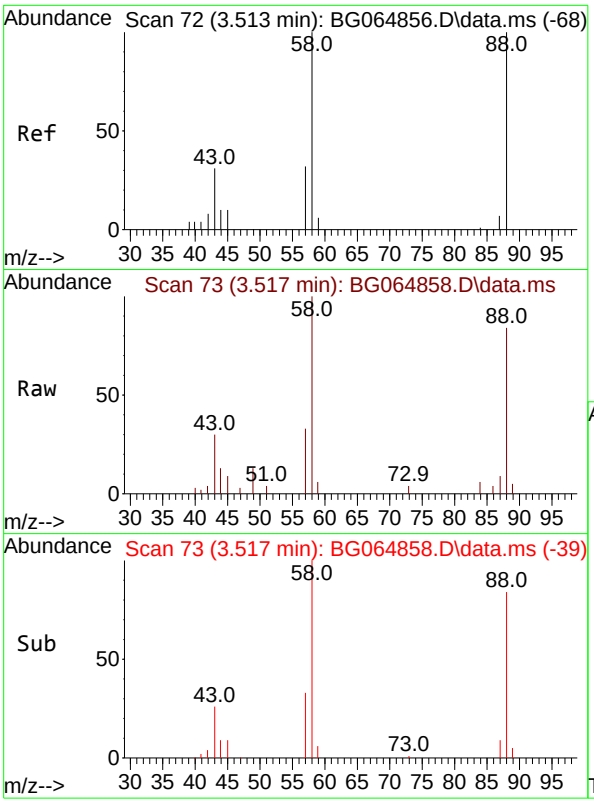
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Data File : BG064858.D
Acq On : 25 Nov 2025 13:09
Operator : RC/JU
Sample : PB170717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 13:56:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS717

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

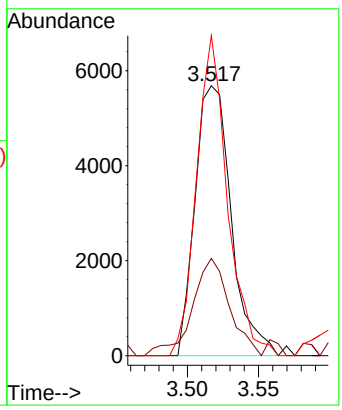




#2
1,4-Dioxane
Concen: 10.760 ng/uL
RT: 3.517 min Scan# 73
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

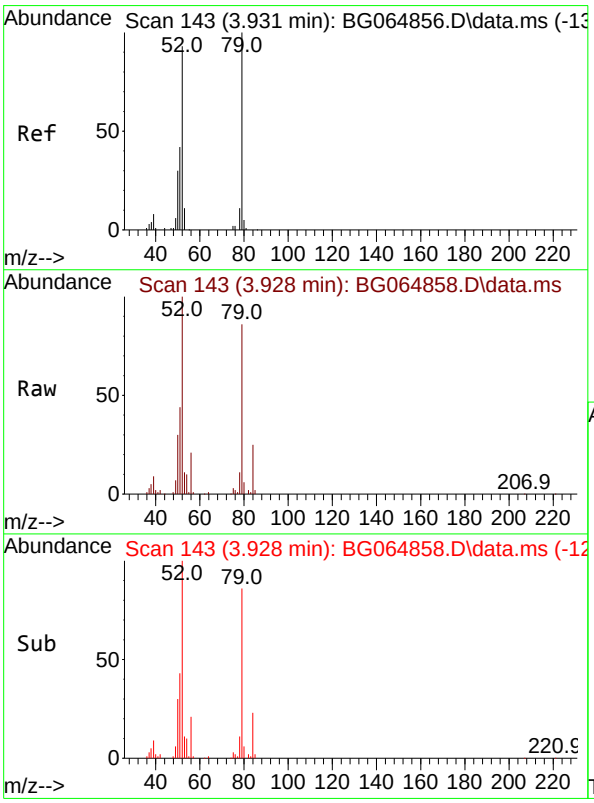
Tgt Ion: 88 Resp: 10077

Ion	Ratio	Lower	Upper
88	100		
43	36.0	29.6	44.4
58	118.6	87.8	131.6



Instrument :
BNA_G
ClientSampleId :
SLCS717

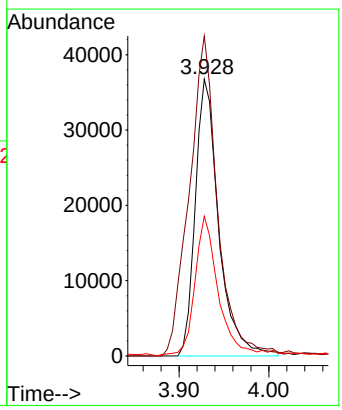
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

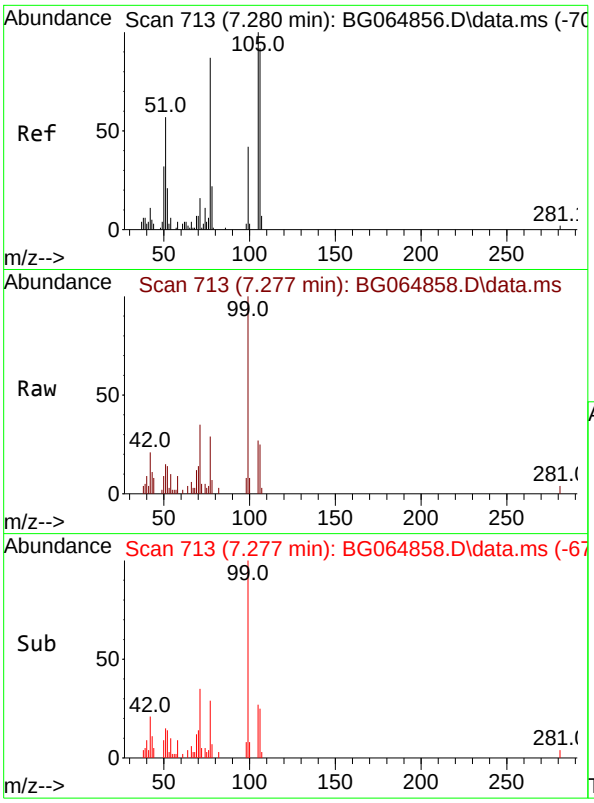


#5
Pyridine
Concen: 27.257 ng/ul
RT: 3.928 min Scan# 143
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion: 79 Resp: 66578

Ion	Ratio	Lower	Upper
79	100		
52	115.6	88.0	132.0
51	50.5	38.2	57.4

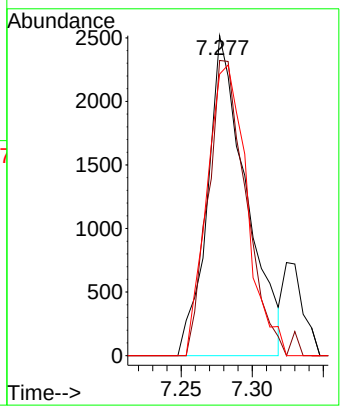


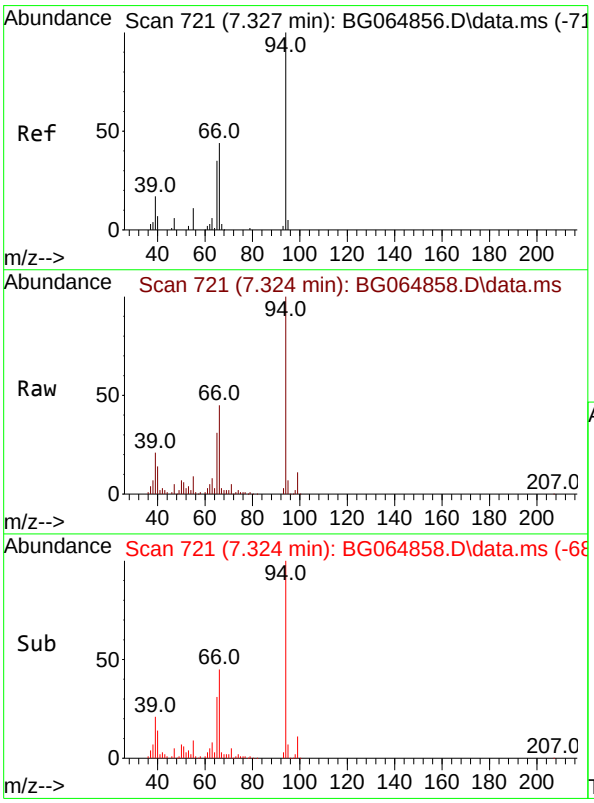


#6
Benzaldehyde
Concen: 3.741 ng/ul
RT: 7.277 min Scan# 713
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion: 77 Resp: 4753

Ion	Ratio	Lower	Upper
77	100		
105	92.3	75.9	113.9
106	88.0	74.3	111.5

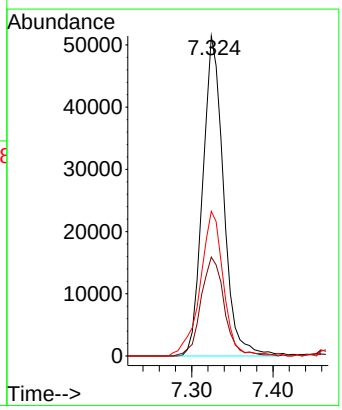




#8
Phenol
Concen: 33.839 ng/ul
RT: 7.324 min Scan# 721
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

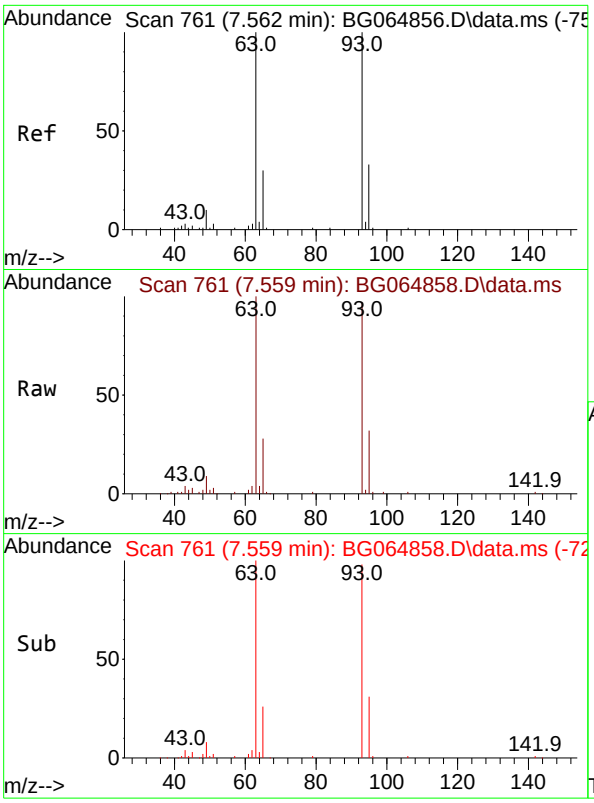
Tgt Ion: 94 Resp: 91382

Ion	Ratio	Lower	Upper
94	100		
65	30.9	27.5	41.3
66	45.2	38.5	57.7



Instrument :
BNA_G
ClientSampleId :
SLCS717

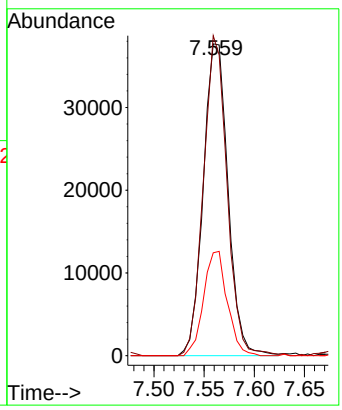
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#10
Bis(2-Chloroethyl)ether
Concen: 32.420 ng/ul
RT: 7.559 min Scan# 761
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

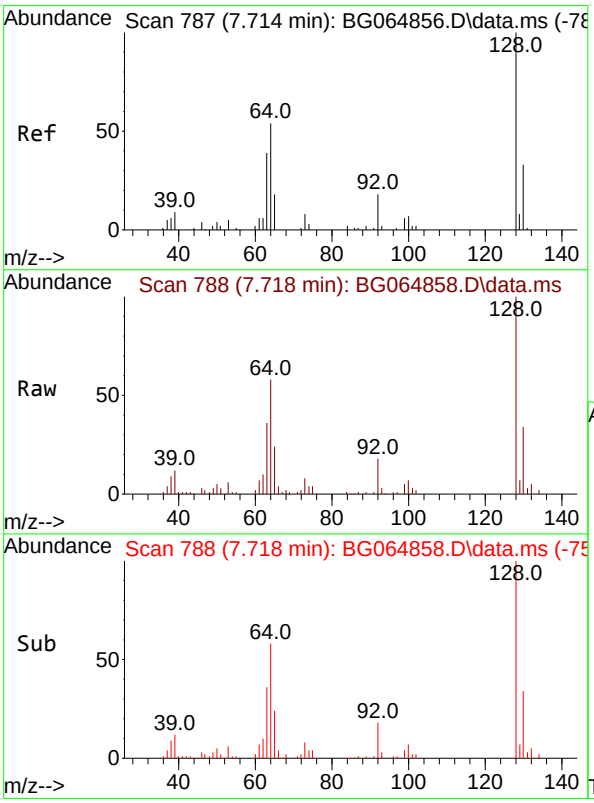
Tgt Ion: 93 Resp: 64746

Ion	Ratio	Lower	Upper
93	100		
63	102.6	81.4	122.2
95	33.0	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SLCS717

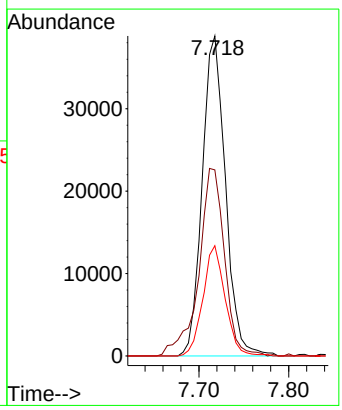
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

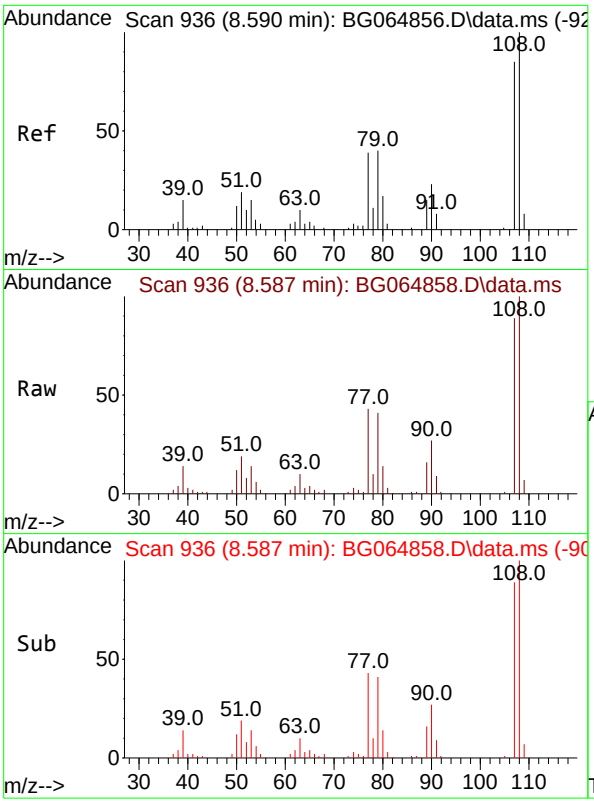


#12
2-Chlorophenol
Concen: 33.607 ng/ul
RT: 7.718 min Scan# 788
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:128 Resp: 69805

Ion	Ratio	Lower	Upper
128	100		
64	58.2	45.0	67.4
130	34.5	24.3	36.5

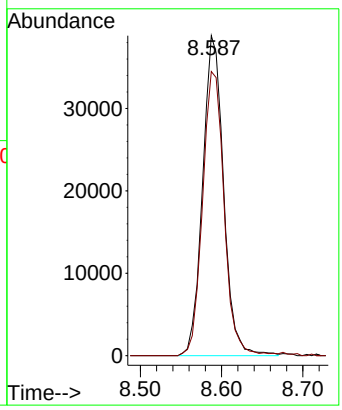




#13
2-Methylphenol
Concen: 32.508 ng/ul
RT: 8.587 min Scan# 936
Delta R.T. -0.003 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

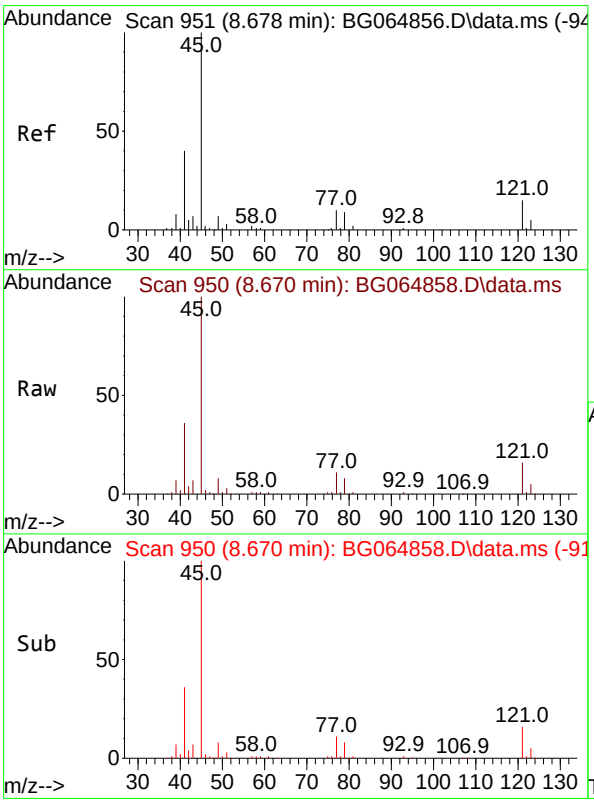
Tgt Ion:108 Resp: 69495

Ion	Ratio	Lower	Upper
108	100		
107	88.8	72.8	109.2



Instrument :
BNA_G
ClientSampleId :
SLCS717

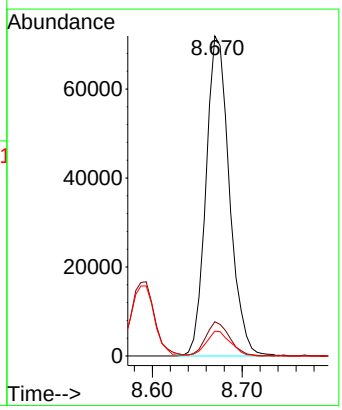
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

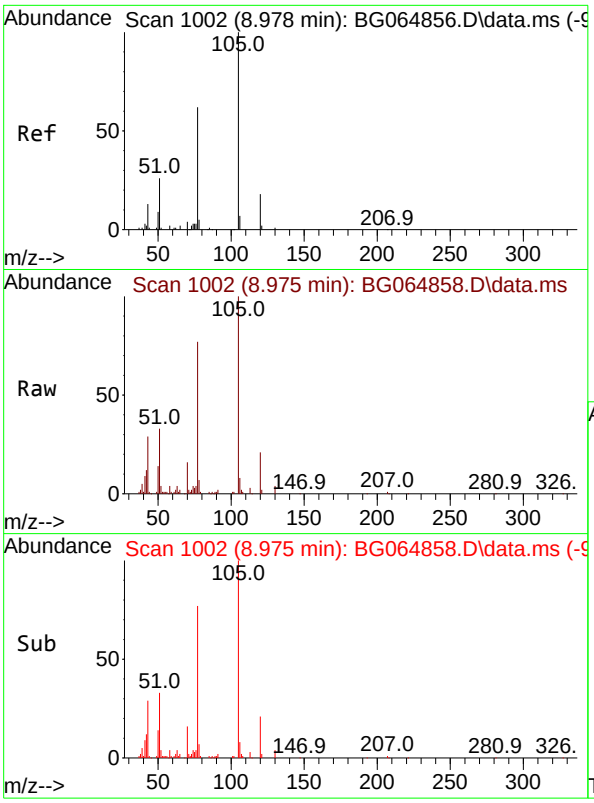


#14
2,2'-oxybis(1-Chloropropane)
Concen: 31.067 ng/ul
RT: 8.670 min Scan# 950
Delta R.T. -0.008 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion: 45 Resp: 130263

Ion	Ratio	Lower	Upper
45	100		
77	10.7	8.6	12.8
79	7.8	6.6	9.8

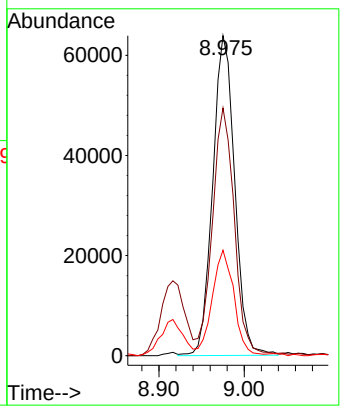




#16
Acetophenone
Concen: 31.255 ng/ul
RT: 8.975 min Scan# 1002
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

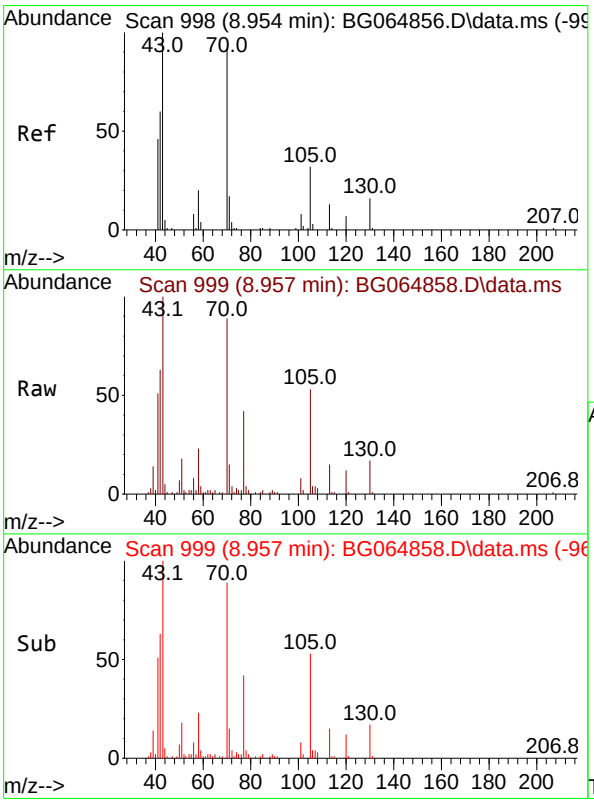
Tgt Ion:105 Resp: 114626

Ion	Ratio	Lower	Upper
105	100		
77	77.4	61.4	92.2
51	33.0	25.6	38.4



Instrument :
BNA_G
ClientSampleId :
SLCS717

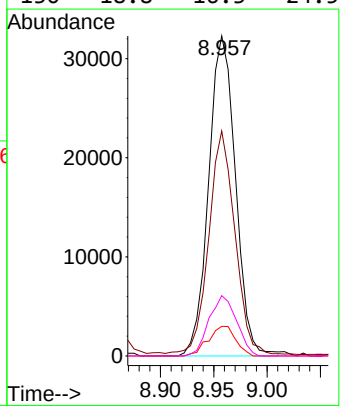
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

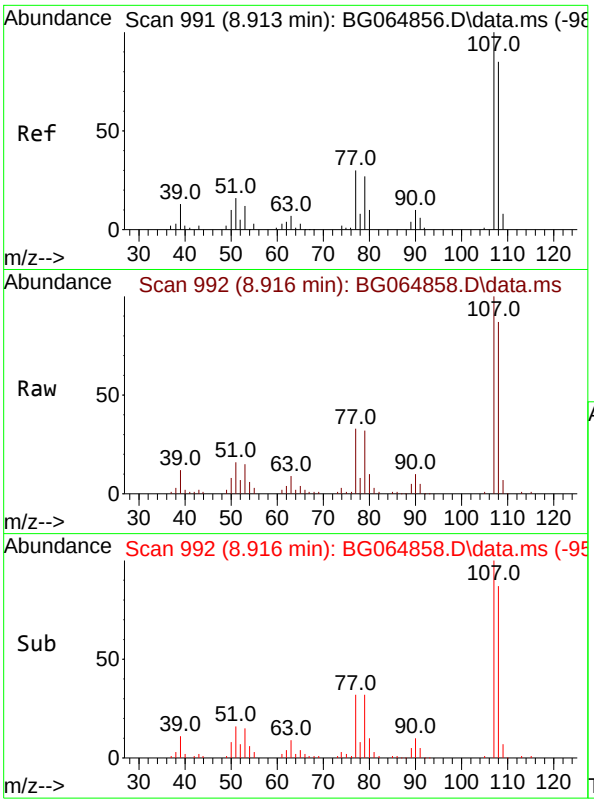


#17
N-Nitroso-di-n-propylamine
Concen: 32.140 ng/ul
RT: 8.957 min Scan# 999
Delta R.T. -0.003 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion: 70 Resp: 56544

Ion	Ratio	Lower	Upper
70	100		
42	70.3	53.0	79.4
101	9.3	8.8	13.2
130	18.8	16.3	24.5

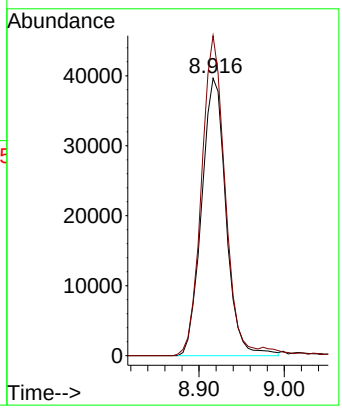




#18
4-Methylphenol
Concen: 33.566 ng/ul
RT: 8.916 min Scan# 992
Delta R.T. 0.003 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

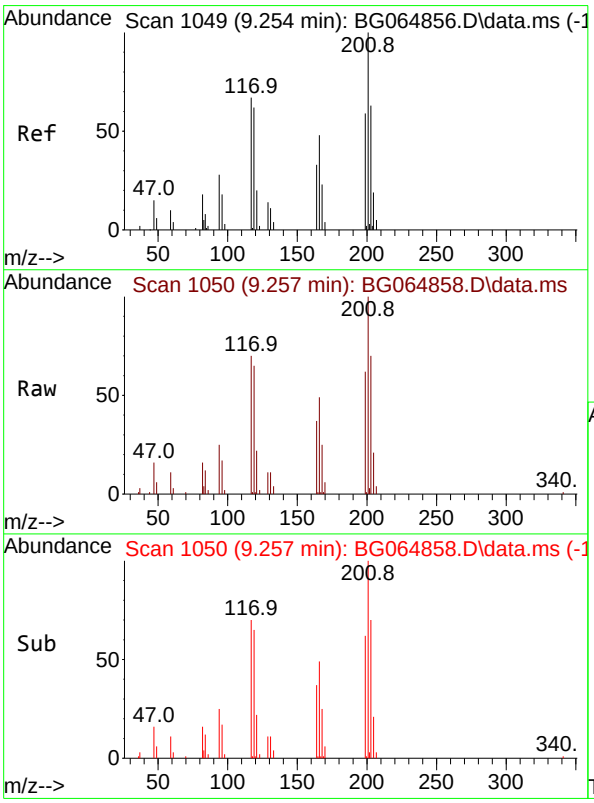
Tgt Ion:108 Resp: 78727

Ion	Ratio	Lower	Upper
108	100		
107	115.3	80.8	121.2



Instrument :
BNA_G
ClientSampleId :
SLCS717

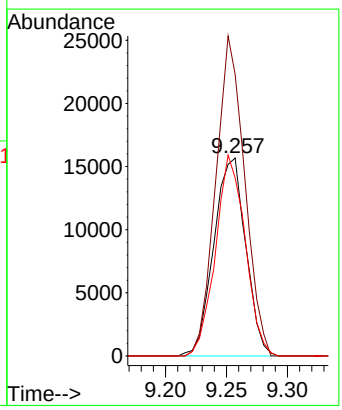
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

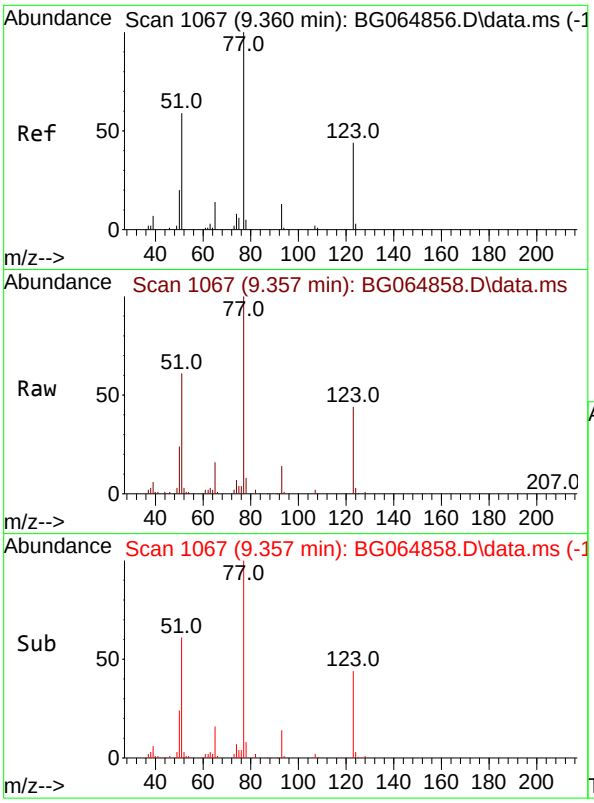


#19
Hexachloroethane
Concen: 30.805 ng/ul
RT: 9.257 min Scan# 1050
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:117 Resp: 28555

Ion	Ratio	Lower	Upper
117	100		
201	142.1	121.7	182.5
199	90.0	81.0	121.4

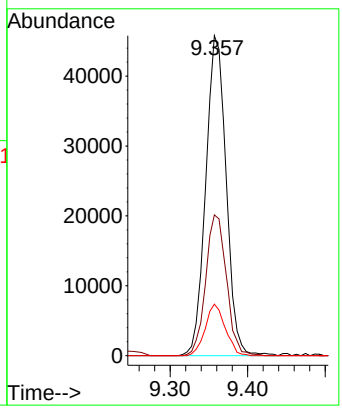




#22
Nitrobenzene
Concen: 32.647 ng/ul
RT: 9.357 min Scan# 1067
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

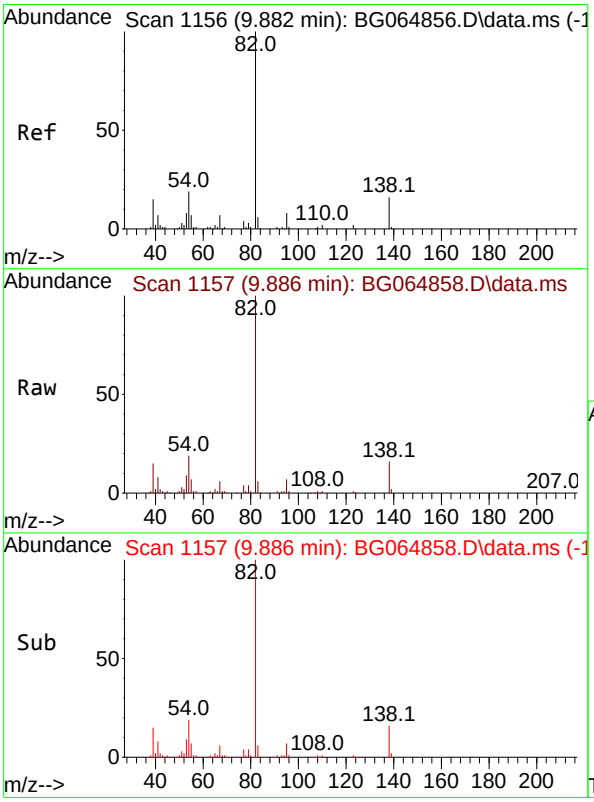
Tgt Ion: 77 Resp: 83848

Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.4	53.0
65	16.1	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SLCS717

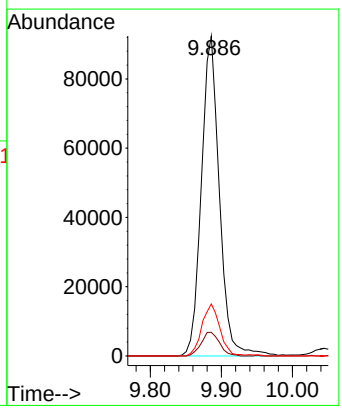
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

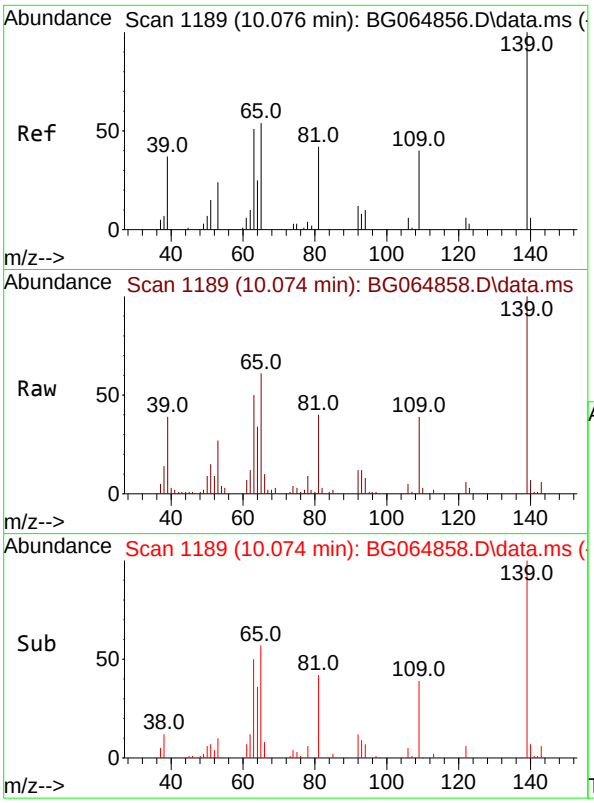


#23
Isophorone
Concen: 32.421 ng/ul
RT: 9.886 min Scan# 1157
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion: 82 Resp: 163121

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.2	9.2
138	16.3	12.7	19.1

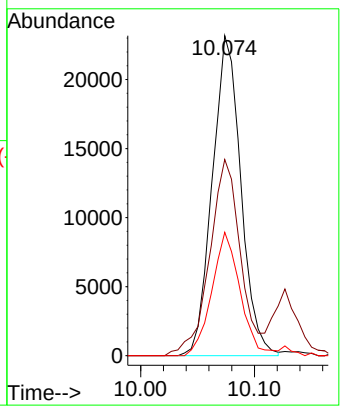




#25
2-Nitrophenol
Concen: 32.372 ng/ul
RT: 10.074 min Scan# 1189
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

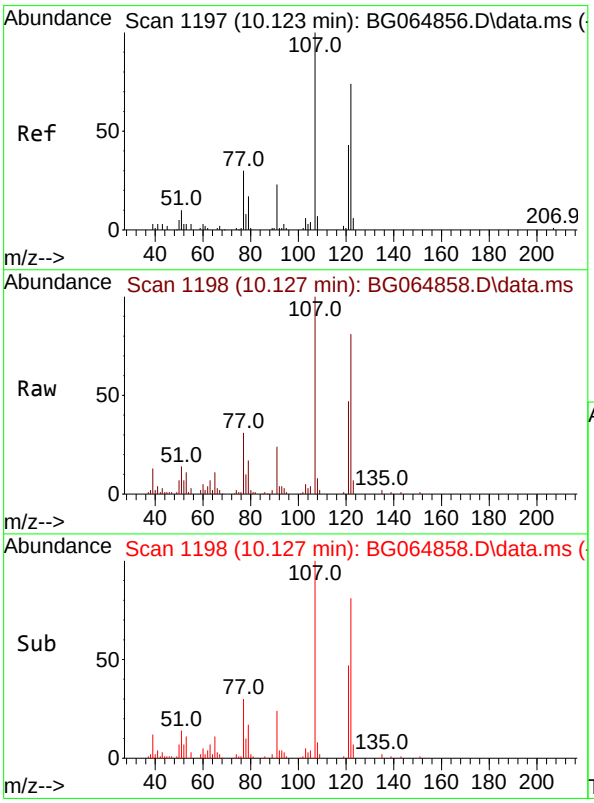
Tgt Ion:139 Resp: 40421

Ion	Ratio	Lower	Upper
139	100		
65	61.3	46.5	69.7
109	38.5	27.0	40.4



Instrument :
BNA_G
ClientSampleId :
SLCS717

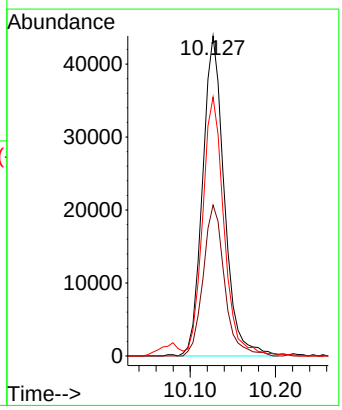
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

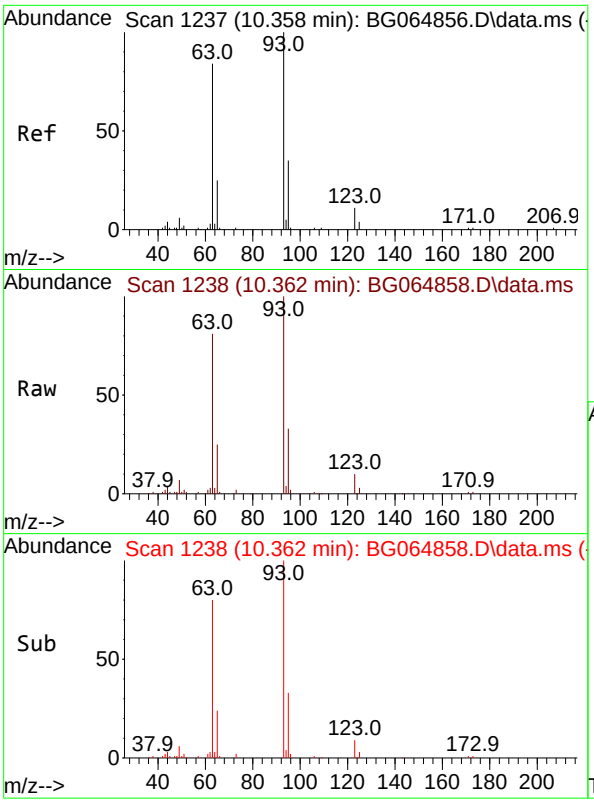


#26
2,4-Dimethylphenol
Concen: 28.904 ng/ul
RT: 10.127 min Scan# 1198
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:107 Resp: 77739

Ion	Ratio	Lower	Upper
107	100		
121	47.1	37.9	56.9
122	80.9	63.1	94.7

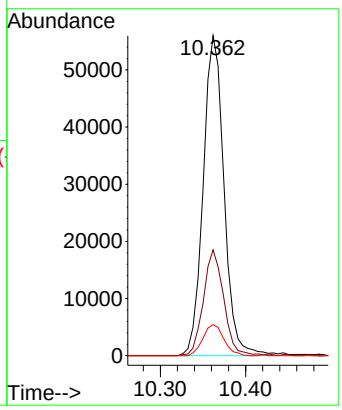


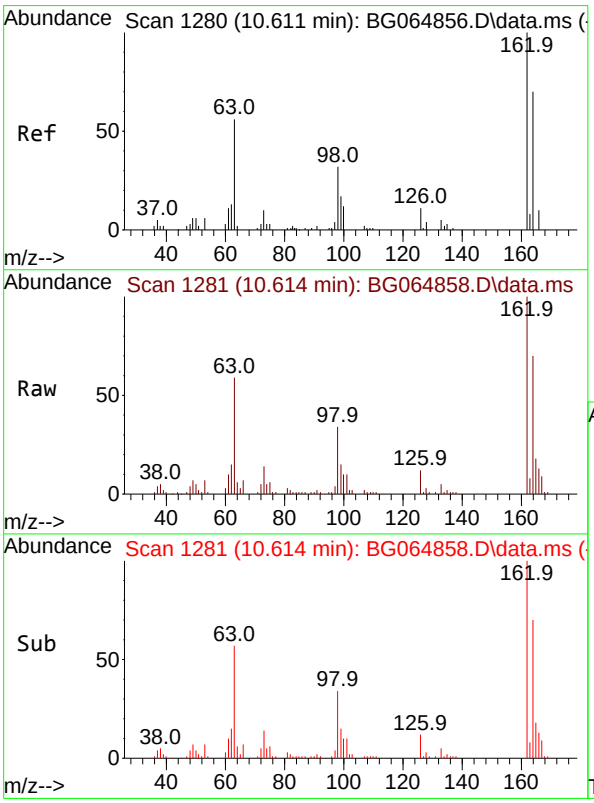


#27
Bis(2-Chloroethoxy)methane
Concen: 33.746 ng/ul
RT: 10.362 min Scan# 1238
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion: 93 Resp: 95219

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.1	37.7
123	10.2	7.0	10.4

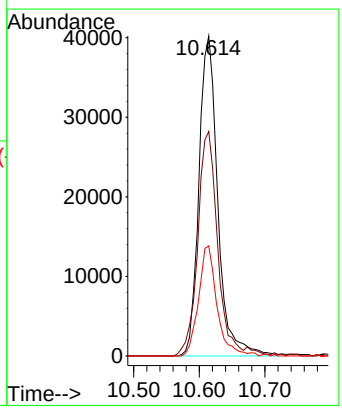




#29
2,4-Dichlorophenol
Concen: 35.320 ng/ul
RT: 10.614 min Scan# 1281
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

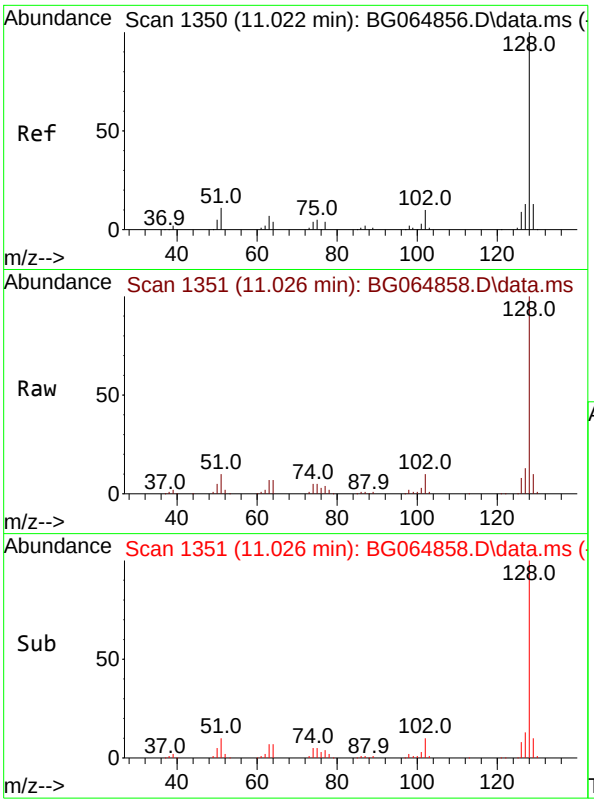
Tgt Ion:162 Resp: 80666

Ion	Ratio	Lower	Upper
162	100		
164	70.2	53.8	80.8
98	34.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SLCS717

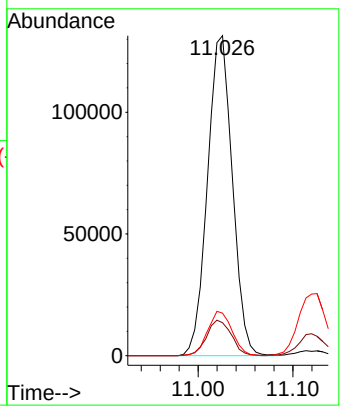
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#30
Naphthalene
Concen: 31.485 ng/ul
RT: 11.026 min Scan# 1351
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

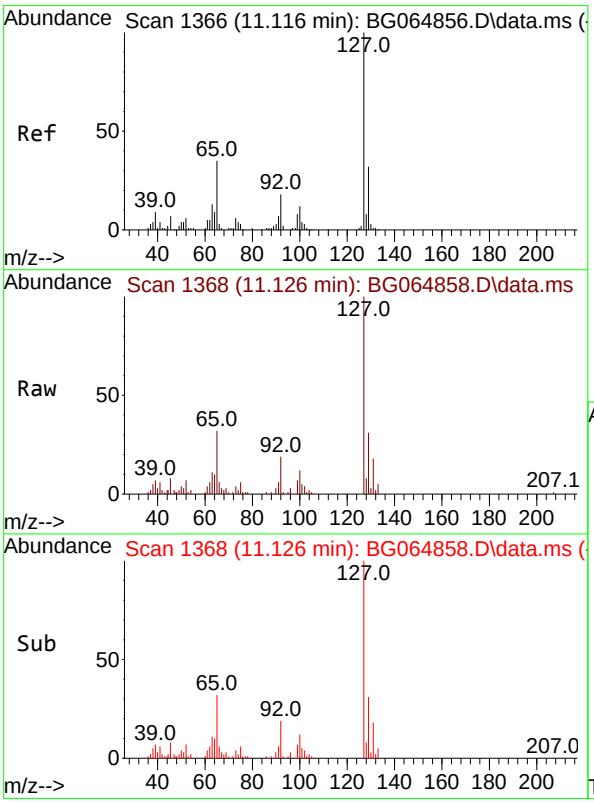
Tgt Ion:128 Resp: 239883

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.7	13.1
127	13.3	10.0	15.0



Instrument :
BNA_G
ClientSampleId :
SLCS717

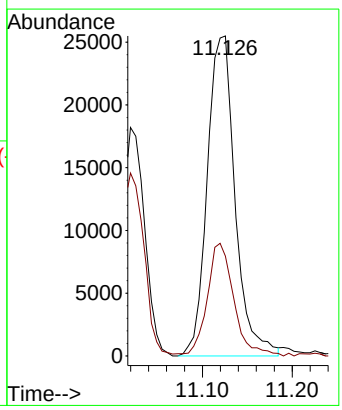
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

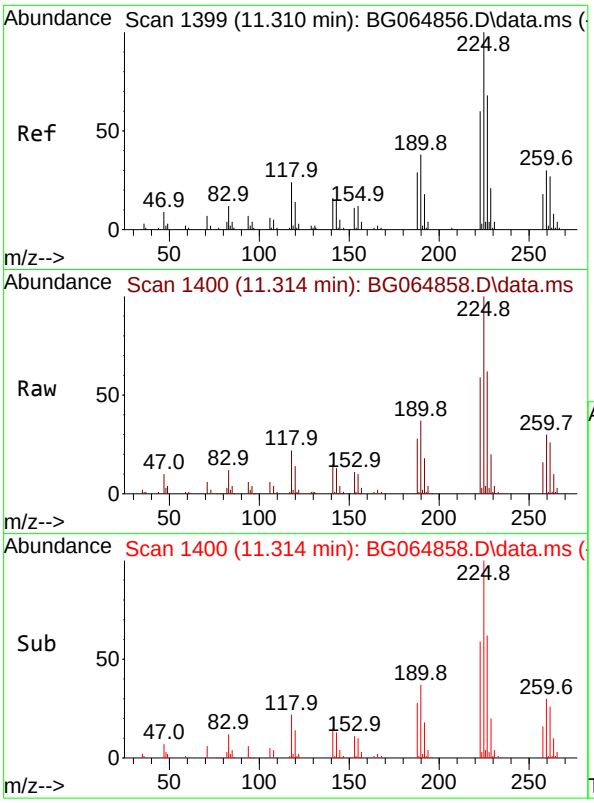


#32
4-Chloroaniline
Concen: 17.265 ng/ul
RT: 11.126 min Scan# 1368
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:127 Resp: 55002

Ion	Ratio	Lower	Upper
127	100		
129	31.2	27.0	40.6

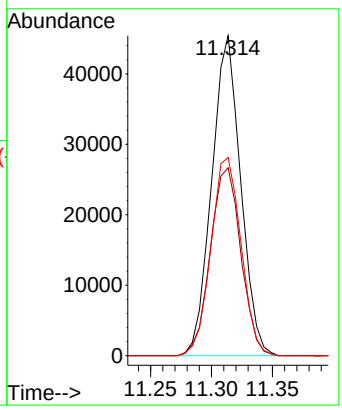


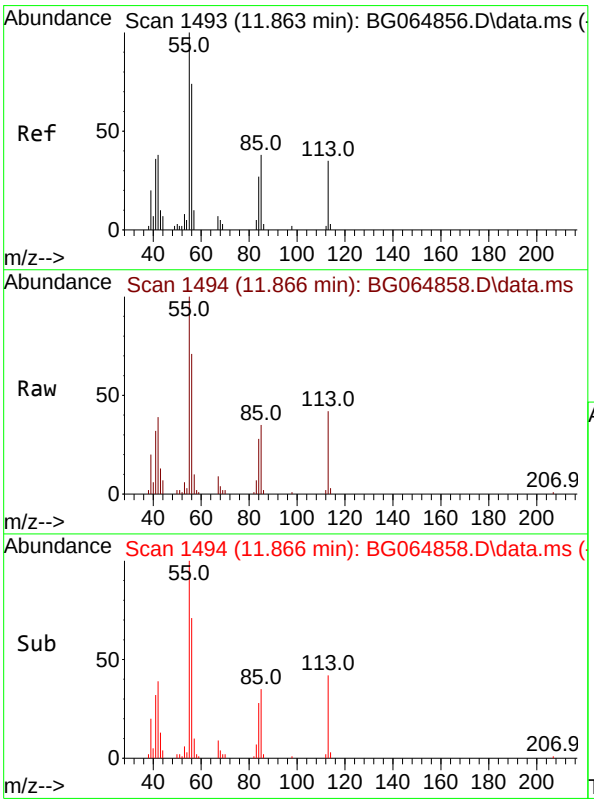


#33
Hexachlorobutadiene
Concen: 31.364 ng/ul
RT: 11.314 min Scan# 1400
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:225 Resp: 75135

Ion	Ratio	Lower	Upper
225	100		
223	59.5	47.0	70.4
227	59.6	49.8	74.8

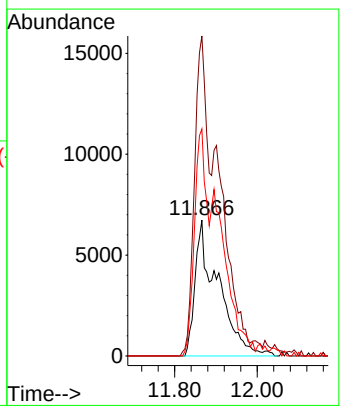




#34
Caprolactam
Concen: 32.679 ng/ul m
RT: 11.866 min Scan# 1494
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

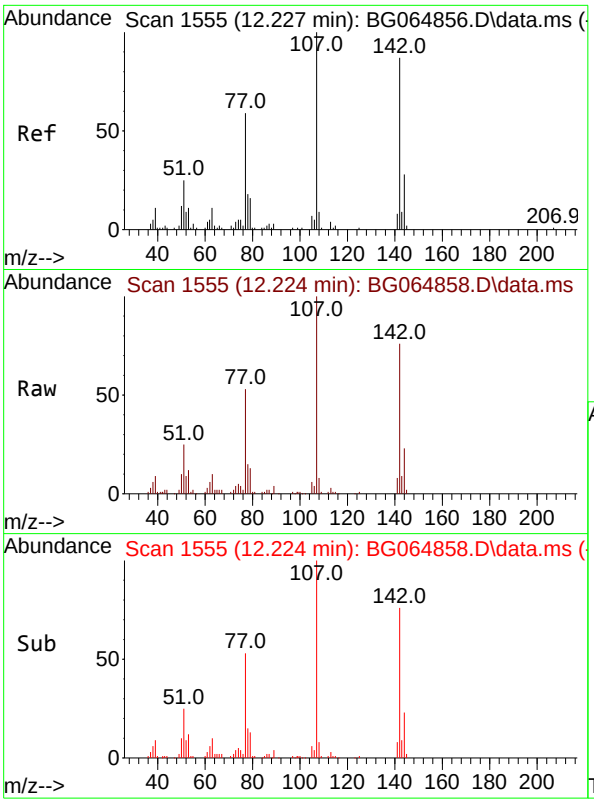
Tgt Ion:113 Resp: 26079

Ion	Ratio	Lower	Upper
113	100		
55	235.6	187.9	281.9
56	167.2	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
SLCS717

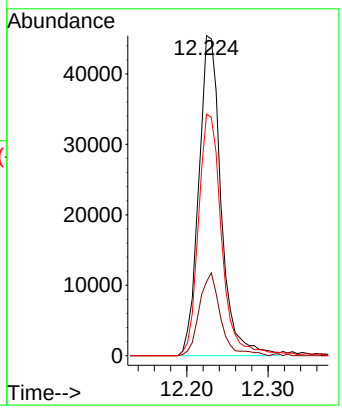
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mohammad
12/3/2025 1:12:48 AM

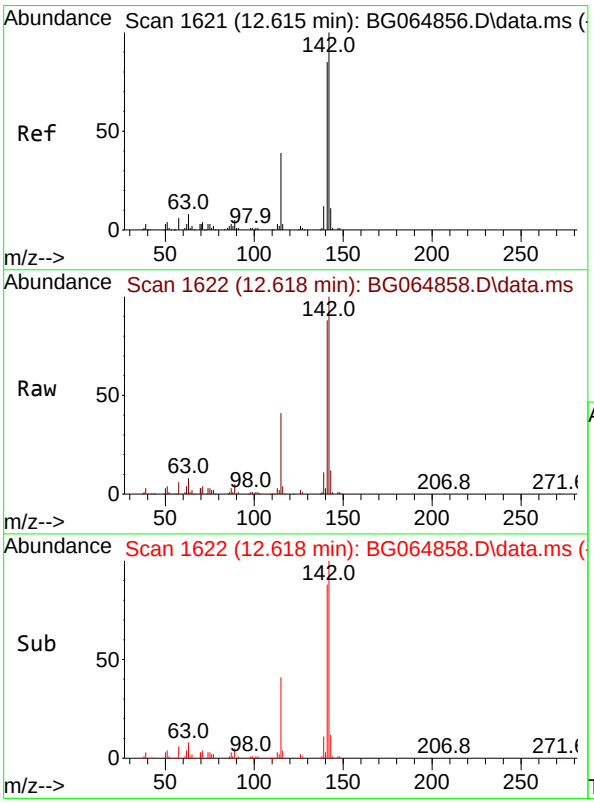


#35
4-Chloro-3-methylphenol
Concen: 34.849 ng/ul
RT: 12.224 min Scan# 1555
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:107 Resp: 86673

Ion	Ratio	Lower	Upper
107	100		
144	23.1	18.6	27.8
142	75.5	66.2	99.2

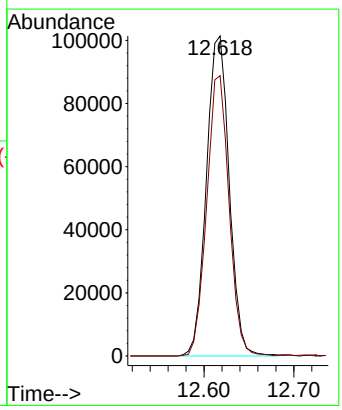




#36
2-Methylnaphthalene
Concen: 31.342 ng/ul
RT: 12.618 min Scan# 1622
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

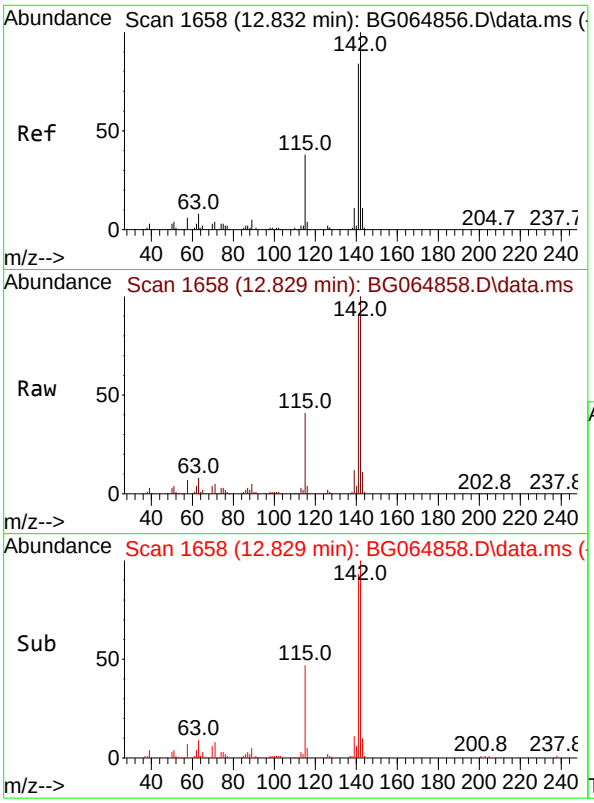
Tgt Ion:142 Resp: 178948

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.7	104.5



Instrument :
BNA_G
ClientSampleId :
SLCS717

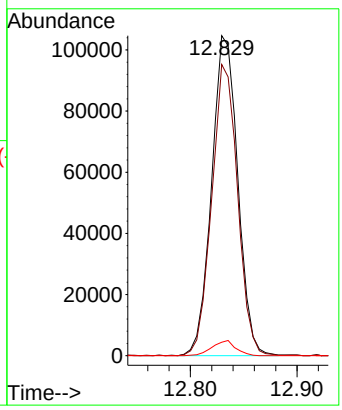
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

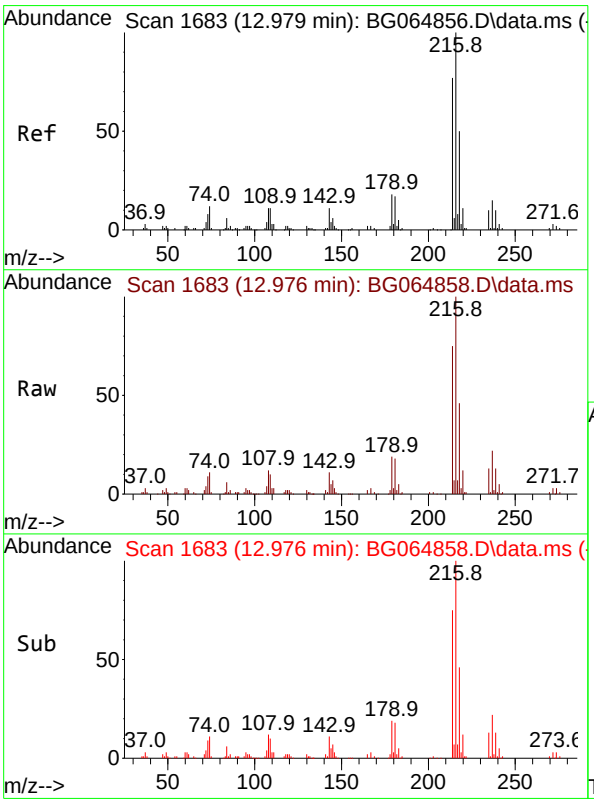


#37
1-Methylnaphthalene
Concen: 31.909 ng/ul
RT: 12.829 min Scan# 1658
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:142 Resp: 178319

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.3	105.5
116	4.2	3.2	4.8

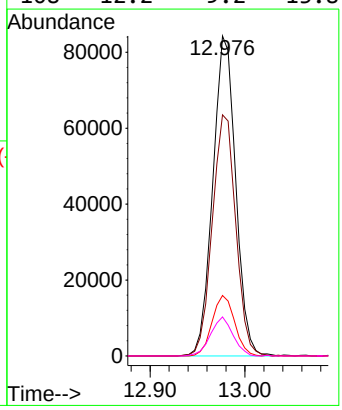




#39
1,2,4,5-Tetrachlorobenzene
Concen: 32.412 ng/ul
RT: 12.976 min Scan# 1683
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

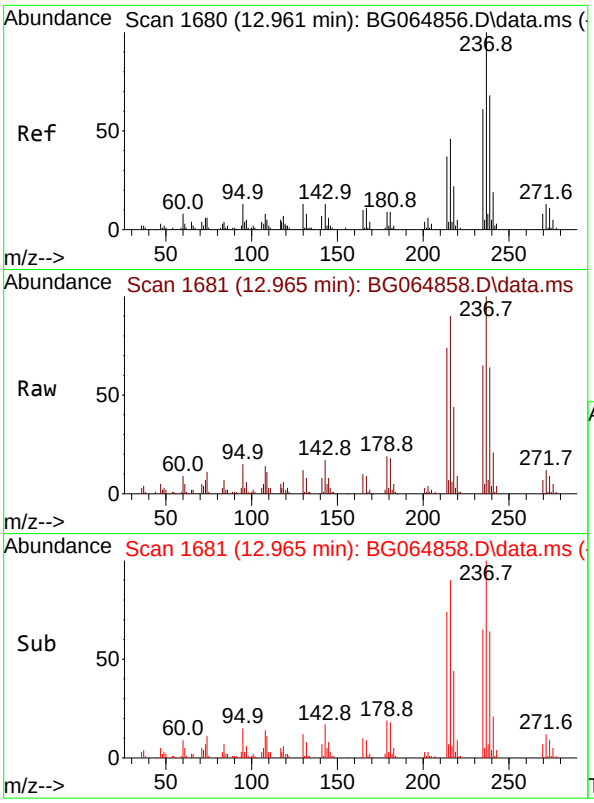
Tgt Ion:216 Resp: 141157

Ion	Ratio	Lower	Upper
216	100		
214	75.3	63.5	95.3
179	18.9	14.7	22.1
108	12.2	9.2	13.8



Instrument :
BNA_G
ClientSampleId :
SLCS717

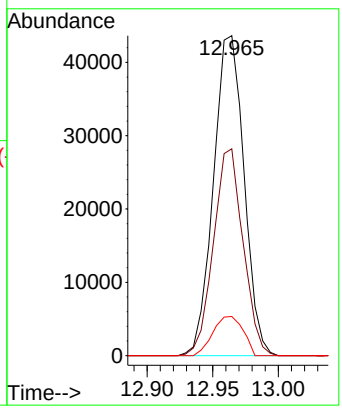
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

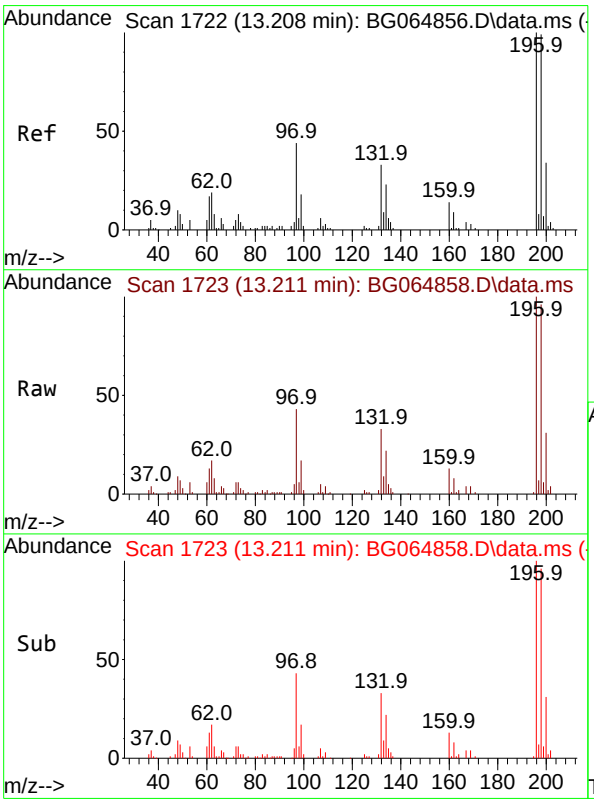


#40
Hexachlorocyclopentadiene
Concen: 23.442 ng/ul
RT: 12.965 min Scan# 1681
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:237 Resp: 70727

Ion	Ratio	Lower	Upper
237	100		
235	64.7	45.7	68.5
272	13.0	10.7	16.1

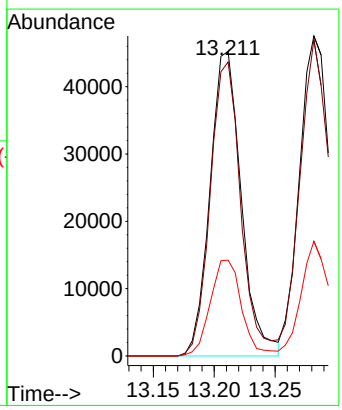




#41
2,4,6-Trichlorophenol
Concen: 33.606 ng/ul
RT: 13.211 min Scan# 1723
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

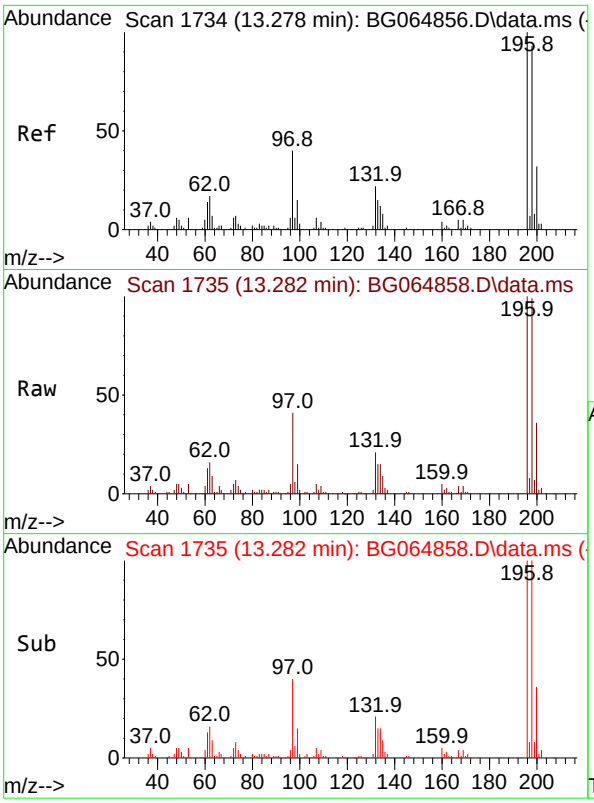
Tgt Ion:196 Resp: 80906

Ion	Ratio	Lower	Upper
196	100		
198	96.5	79.5	119.3
200	31.5	28.1	42.1



Instrument :
BNA_G
ClientSampleId :
SLCS717

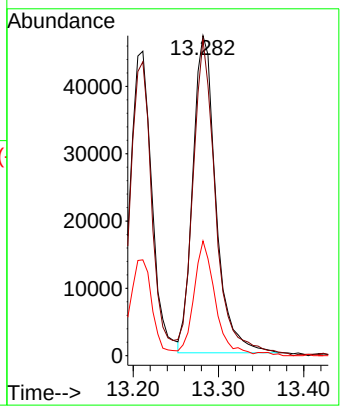
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#42
2,4,5-Trichlorophenol
Concen: 34.915 ng/ul
RT: 13.282 min Scan# 1735
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

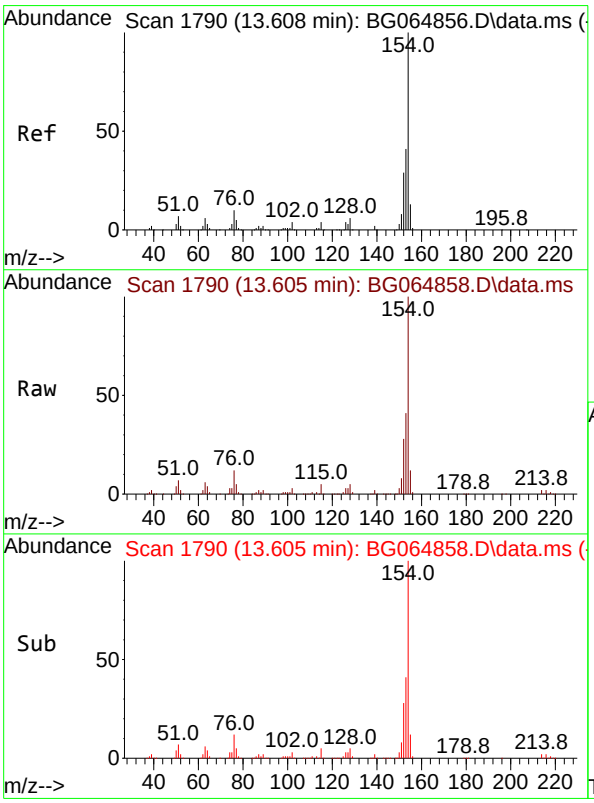
Tgt Ion:196 Resp: 88569

Ion	Ratio	Lower	Upper
196	100		
198	98.8	72.1	108.1
200	35.8	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SLCS717

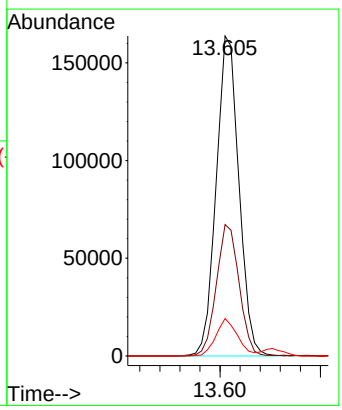
Manual Integrations APPROVED
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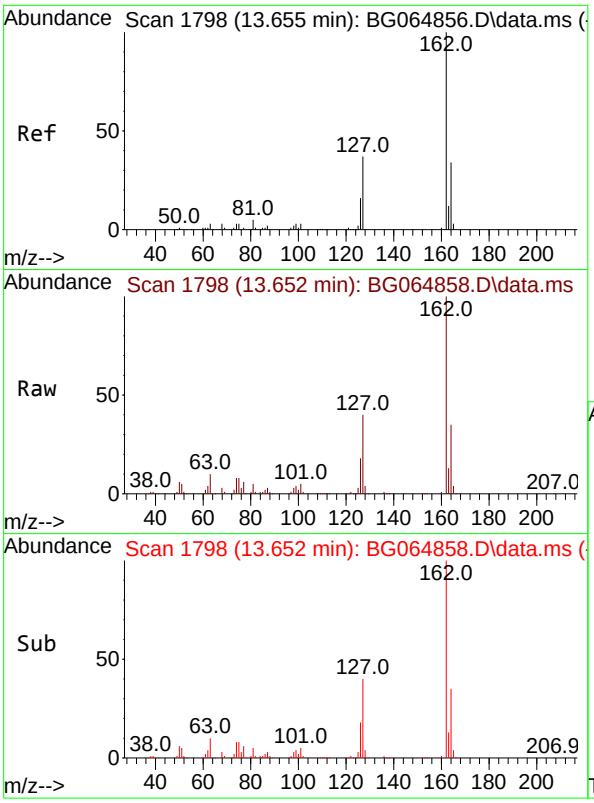


#43
1,1'-Biphenyl
Concen: 32.164 ng/ul
RT: 13.605 min Scan# 1790
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:154 Resp: 256682

Ion	Ratio	Lower	Upper
154	100		
153	41.1	33.0	49.4
76	11.7	8.7	13.1

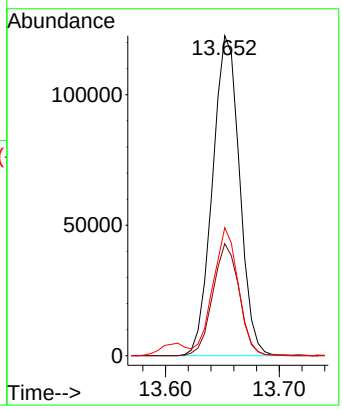


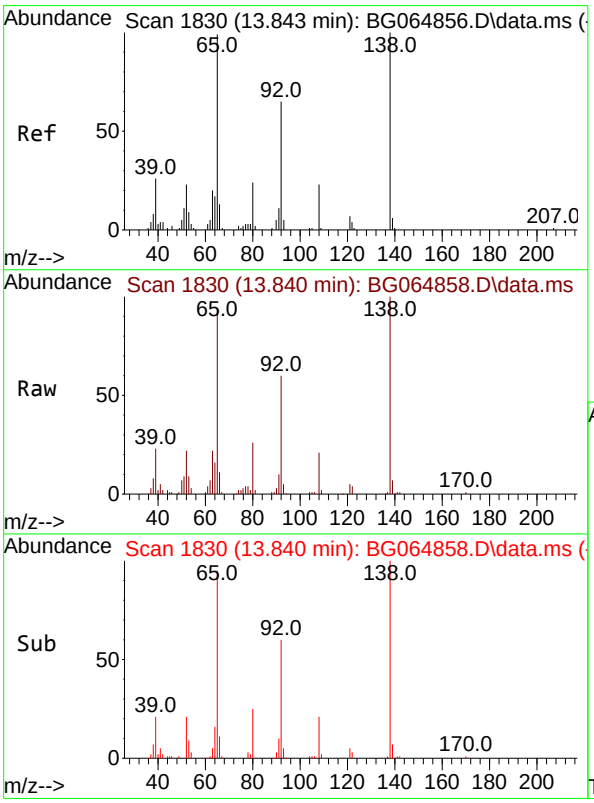


#44
2-Chloronaphthalene
Concen: 32.415 ng/ul
RT: 13.652 min Scan# 1798
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:162 Resp: 203080

Ion	Ratio	Lower	Upper
162	100		
164	35.0	26.9	40.3
127	40.0	30.2	45.4

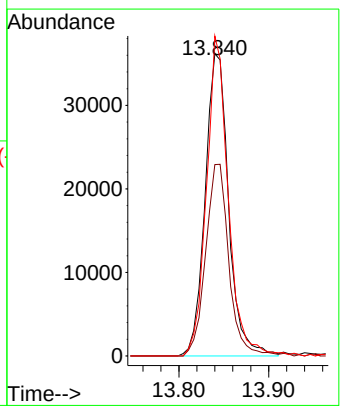




#45
2-Nitroaniline
Concen: 35.258 ng/ul
RT: 13.840 min Scan# 1830
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

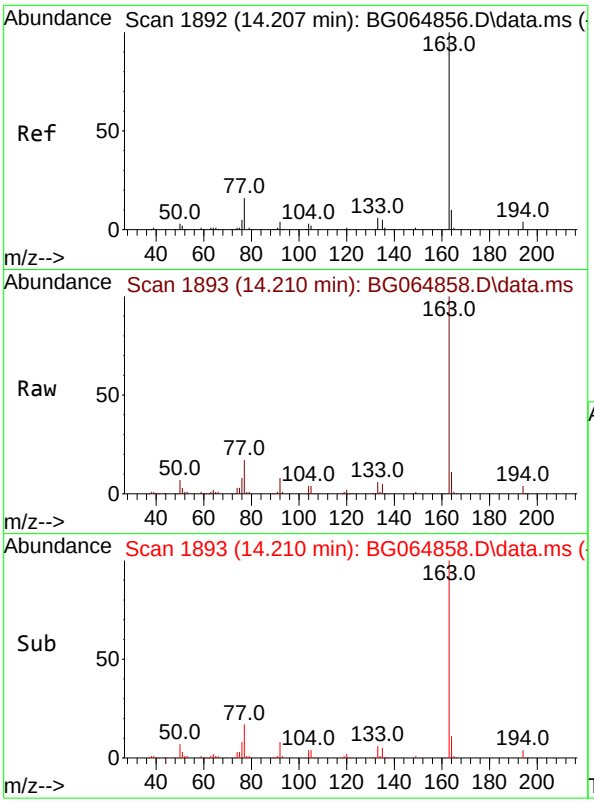
Tgt Ion: 65 Resp: 65666

Ion	Ratio	Lower	Upper
65	100		
92	63.3	45.2	67.8
138	105.9	78.6	117.8



Instrument :
BNA_G
ClientSampleId :
SLCS717

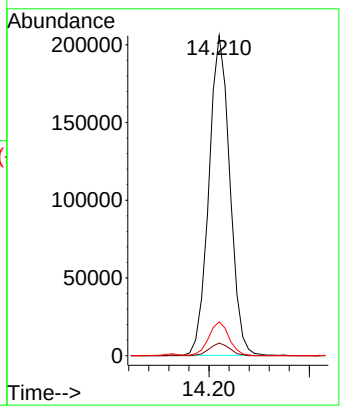
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

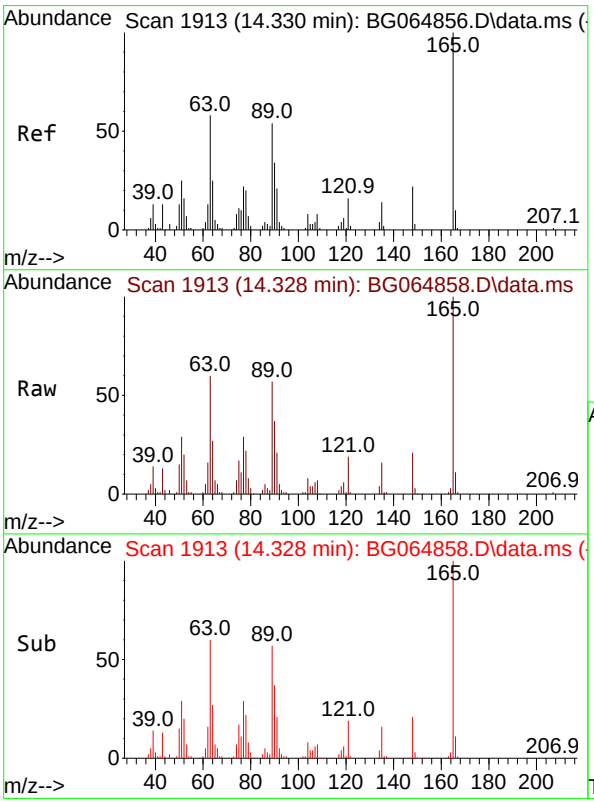


#47
Dimethylphthalate
Concen: 32.764 ng/ul
RT: 14.210 min Scan# 1893
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:163 Resp: 298138

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.6	7.9	11.9

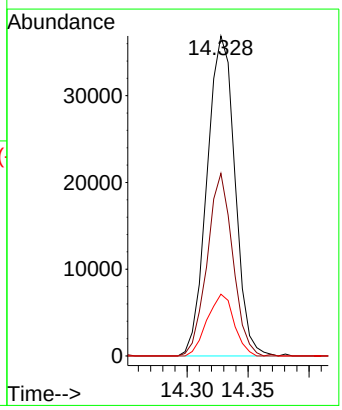




#48
2,6-Dinitrotoluene
Concen: 35.076 ng/ul
RT: 14.328 min Scan# 1913
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

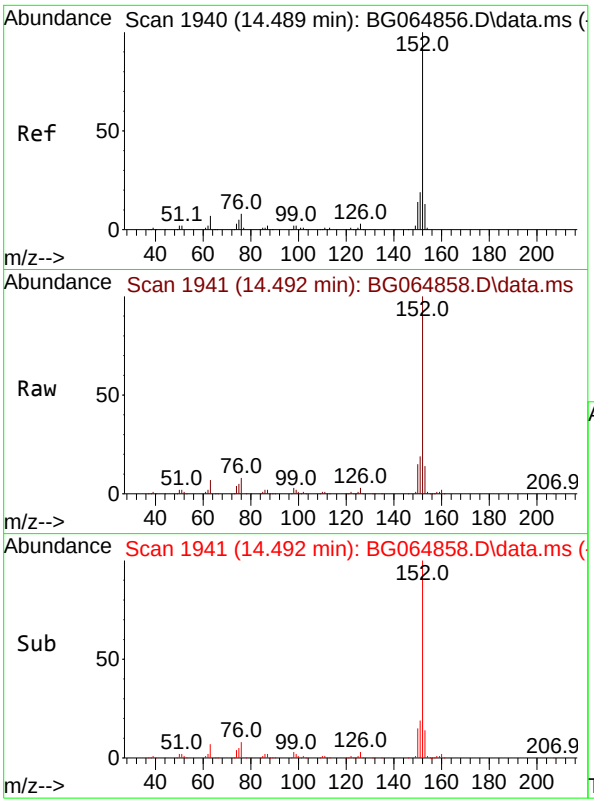
Tgt Ion:165 Resp: 58565

Ion	Ratio	Lower	Upper
165	100		
89	57.0	39.9	59.9
121	19.3	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SLCS717

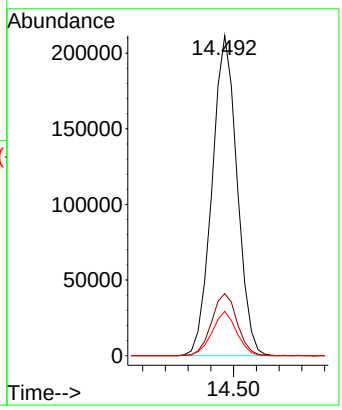
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#50
Acenaphthylene
Concen: 29.638 ng/ul
RT: 14.492 min Scan# 1941
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

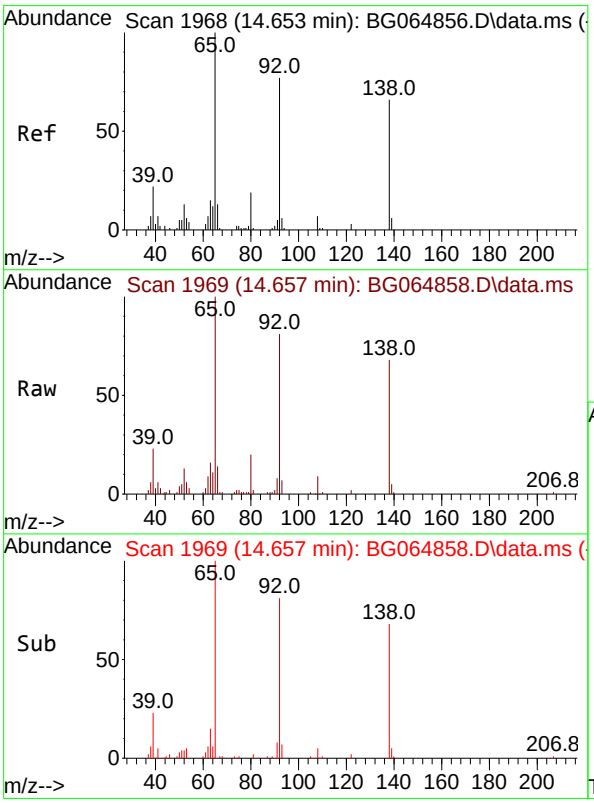
Tgt Ion:152 Resp: 323800

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.1	22.7
153	13.9	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SLCS717

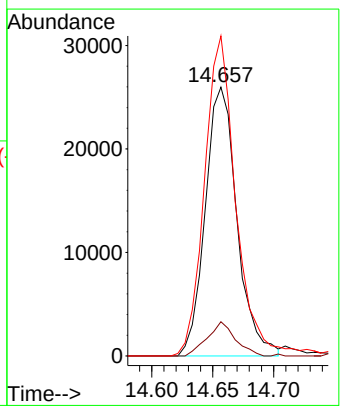
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

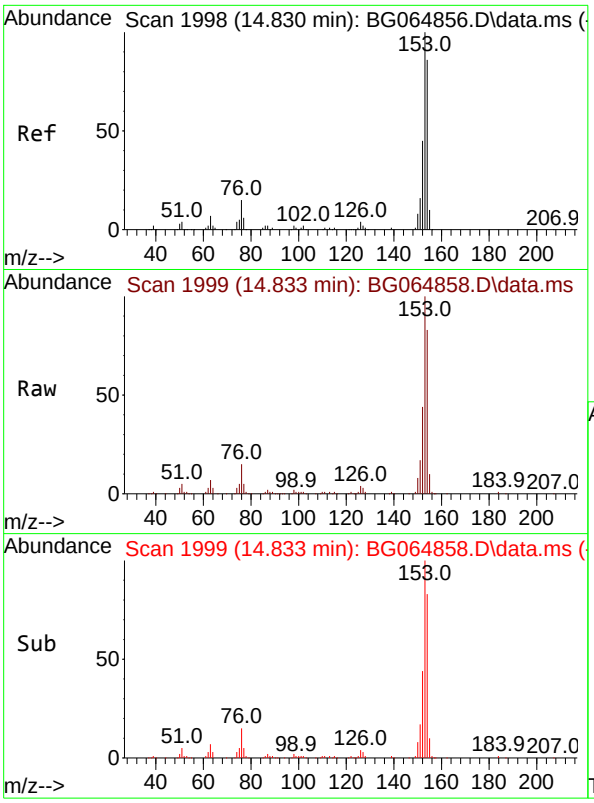


#51
3-Nitroaniline
Concen: 32.528 ng/ul
RT: 14.657 min Scan# 1969
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:138 Resp: 47106

Ion	Ratio	Lower	Upper
138	100		
108	13.5	9.8	14.8
92	119.1	91.4	137.2

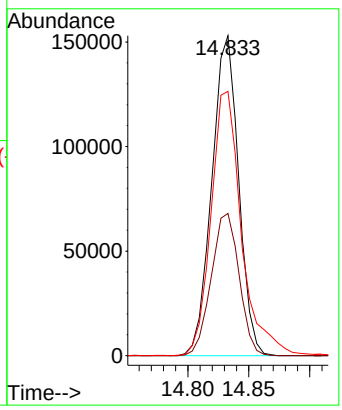




#52
Acenaphthene
Concen: 32.630 ng/ul
RT: 14.833 min Scan# 1999
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

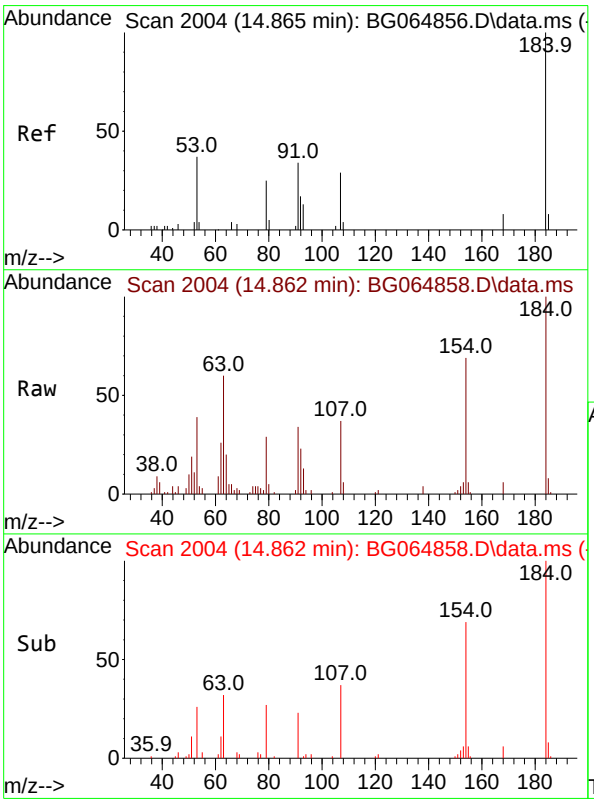
Tgt Ion:153 Resp: 233748

Ion	Ratio	Lower	Upper
153	100		
152	44.4	37.8	56.8
154	82.6	68.2	102.2



Instrument :
BNA_G
ClientSampleId :
SLCS717

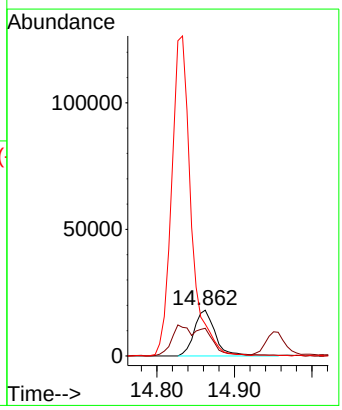
Manual Integrations APPROVED
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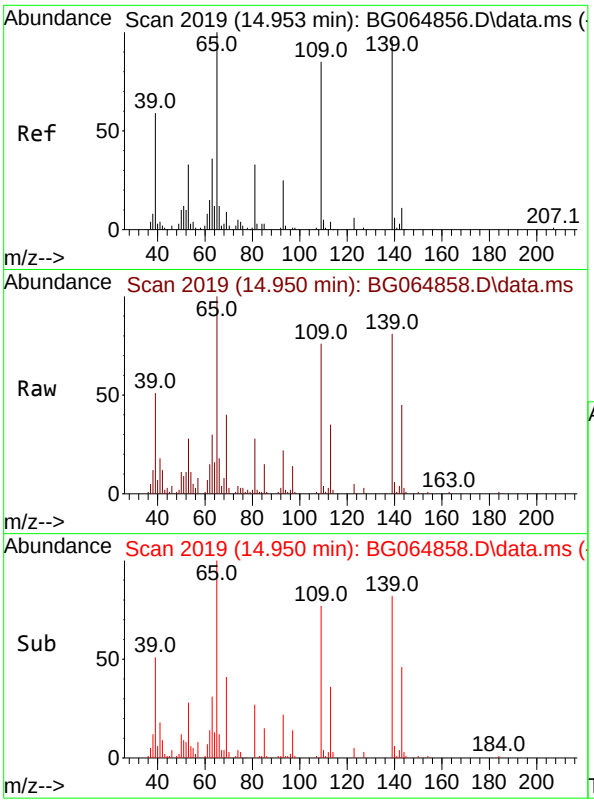


#53
2,4-Dinitrophenol
Concen: 34.934 ng/ul
RT: 14.862 min Scan# 2004
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:184 Resp: 34302

Ion	Ratio	Lower	Upper
184	100		
63	60.4	41.1	61.7
154	69.5	55.4	83.0

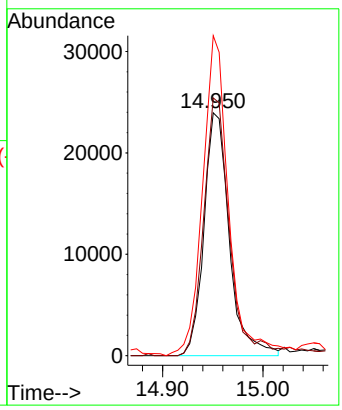




#55
4-Nitrophenol
Concen: 33.708 ng/ul
RT: 14.950 min Scan# 2019
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

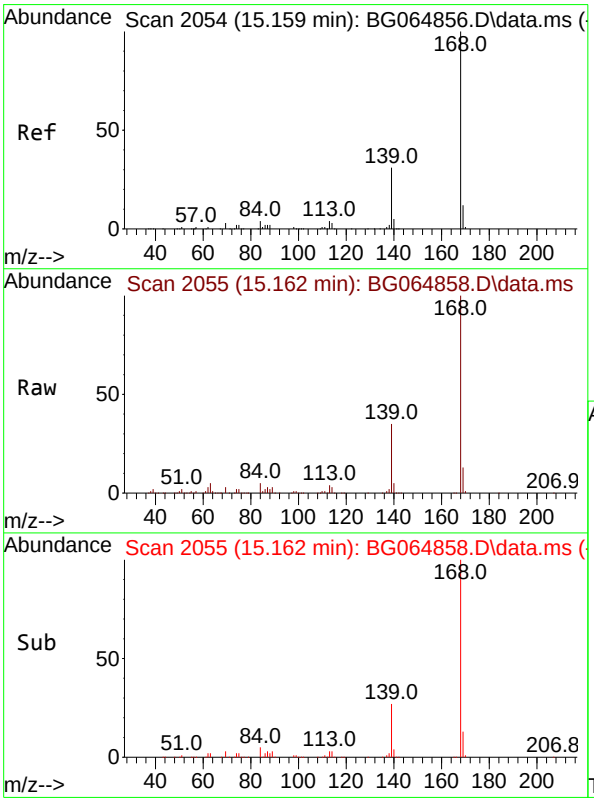
Tgt Ion:109 Resp: 42122

Ion	Ratio	Lower	Upper
109	100		
139	106.1	88.6	132.8
65	131.7	94.2	141.4



Instrument :
BNA_G
ClientSampleId :
SLCS717

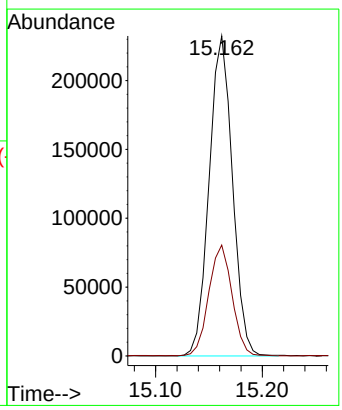
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

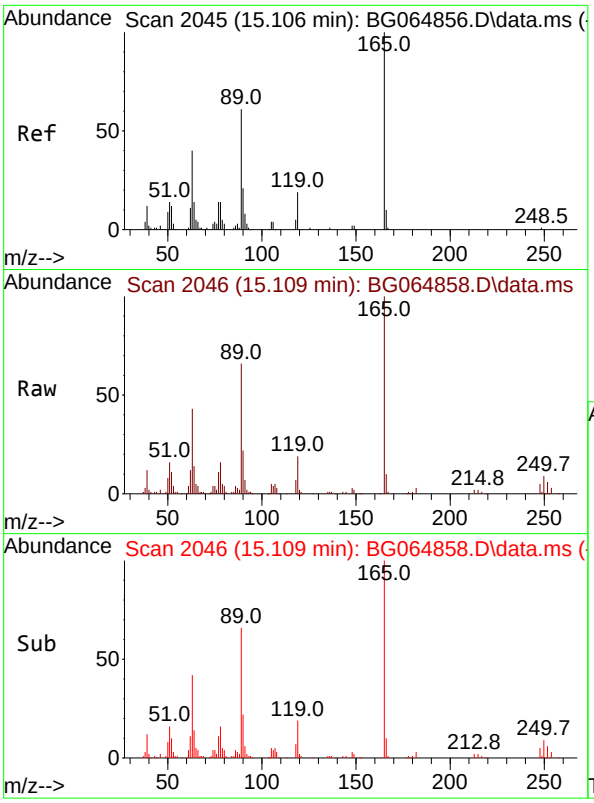


#56
Dibenzofuran
Concen: 32.252 ng/ul
RT: 15.162 min Scan# 2055
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:168 Resp: 352663

Ion	Ratio	Lower	Upper
168	100		
139	34.7	28.2	42.4

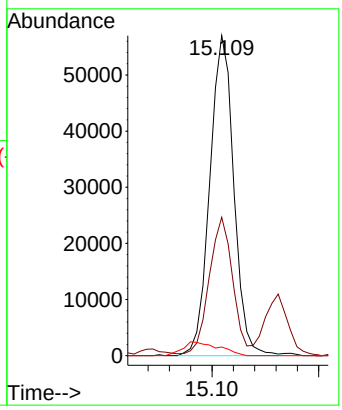


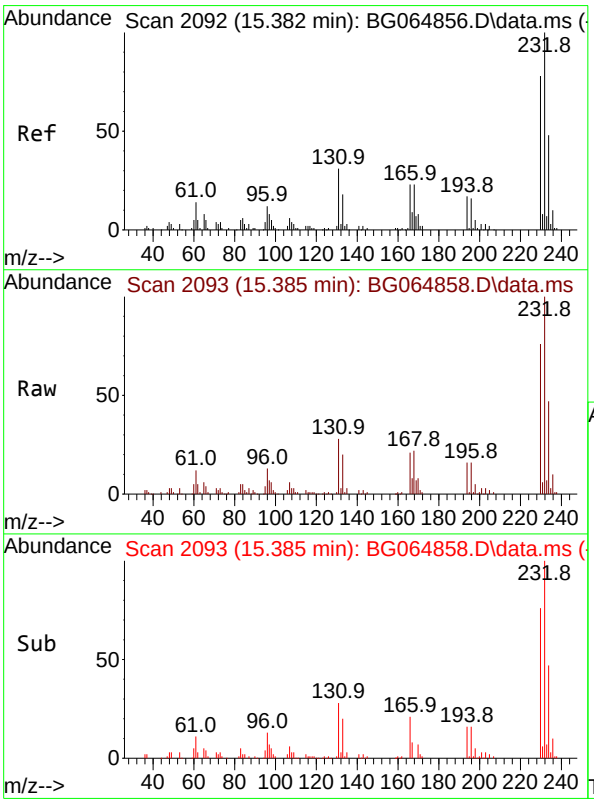


#57
2,4-Dinitrotoluene
Concen: 35.005 ng/ul
RT: 15.109 min Scan# 2046
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:165 Resp: 88922

Ion	Ratio	Lower	Upper
165	100		
63	43.2	35.5	53.3
182	2.7	2.0	3.0

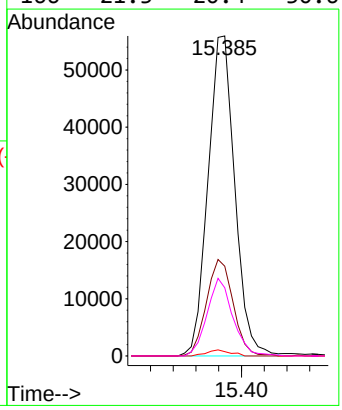




#58
2,3,4,6-Tetrachlorophenol
Concen: 31.885 ng/ul
RT: 15.385 min Scan# 2093
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

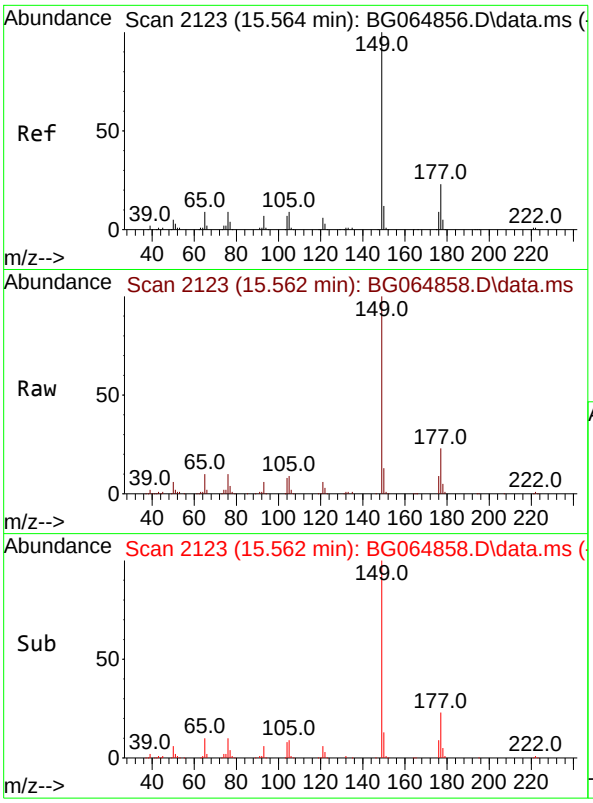
Tgt Ion:232 Resp: 91591

Ion	Ratio	Lower	Upper
232	100		
131	28.0	24.9	37.3
130	1.4	1.4	2.0#
166	21.3	20.4	30.6



Instrument :
BNA_G
ClientSampleId :
SLCS717

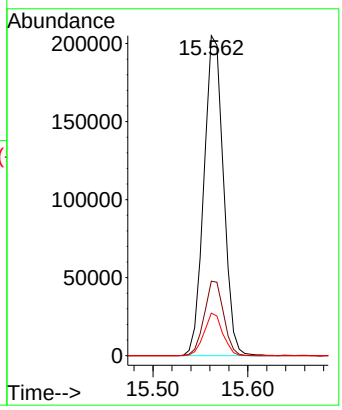
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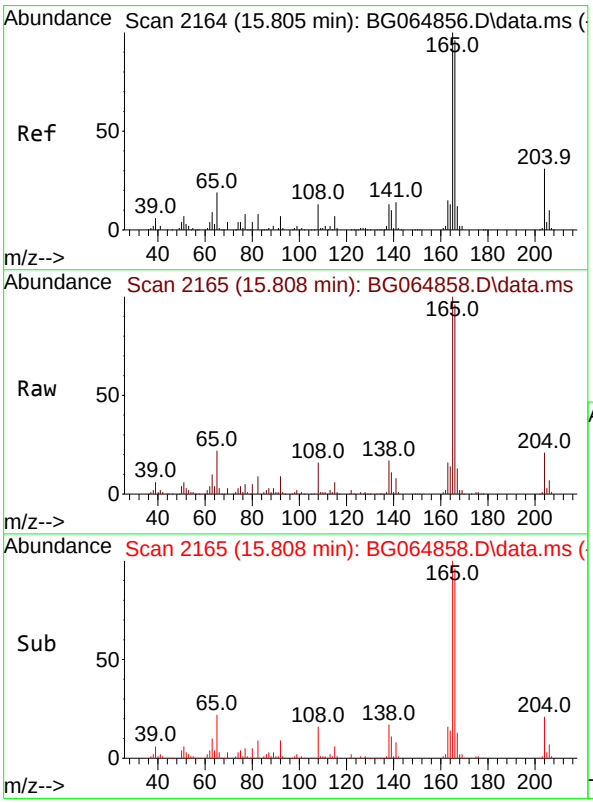


#59
Diethylphthalate
Concen: 32.768 ng/ul
RT: 15.562 min Scan# 2123
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:149 Resp: 292834

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.7	28.1
150	13.3	9.9	14.9

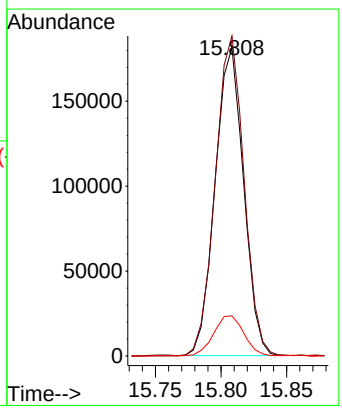




#61
Fluorene
Concen: 31.913 ng/ul
RT: 15.808 min Scan# 2165
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

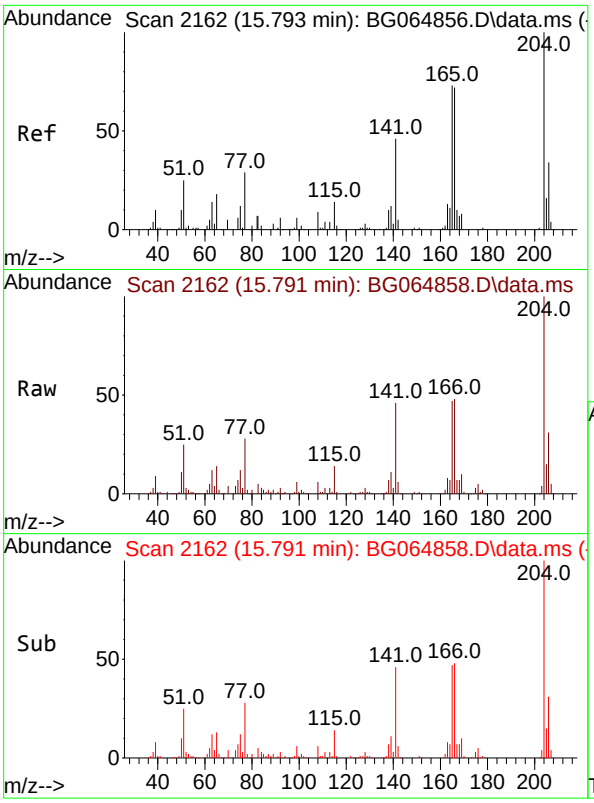
Tgt Ion:166 Resp: 273717

Ion	Ratio	Lower	Upper
166	100		
165	103.7	83.0	124.6
167	13.0	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SLCS717

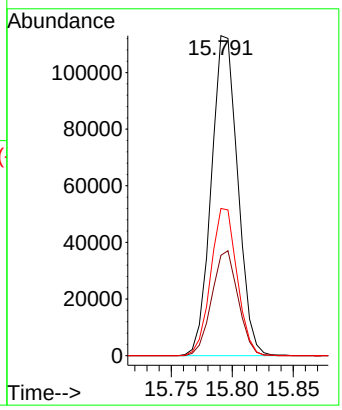
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#62
4-Chlorophenyl-phenylether
Concen: 32.606 ng/ul
RT: 15.791 min Scan# 2162
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

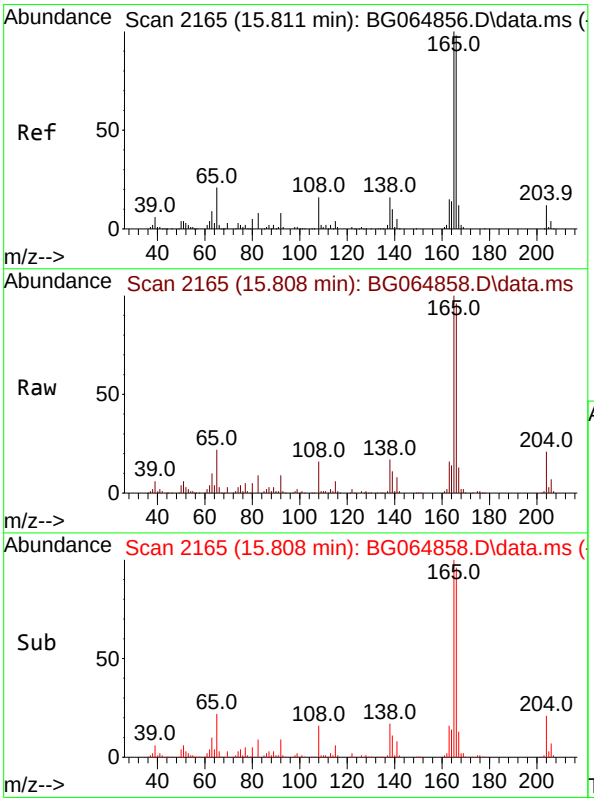
Tgt Ion:204 Resp: 170542

Ion	Ratio	Lower	Upper
204	100		
206	31.3	26.1	39.1
141	46.0	36.8	55.2



Instrument :
BNA_G
ClientSampleId :
SLCS717

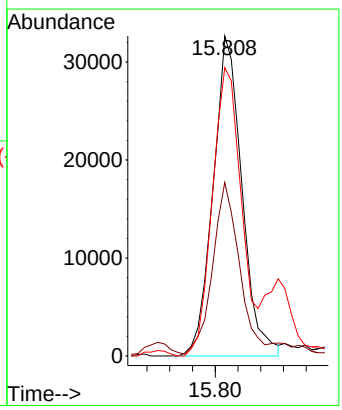
Manual Integrations APPROVED
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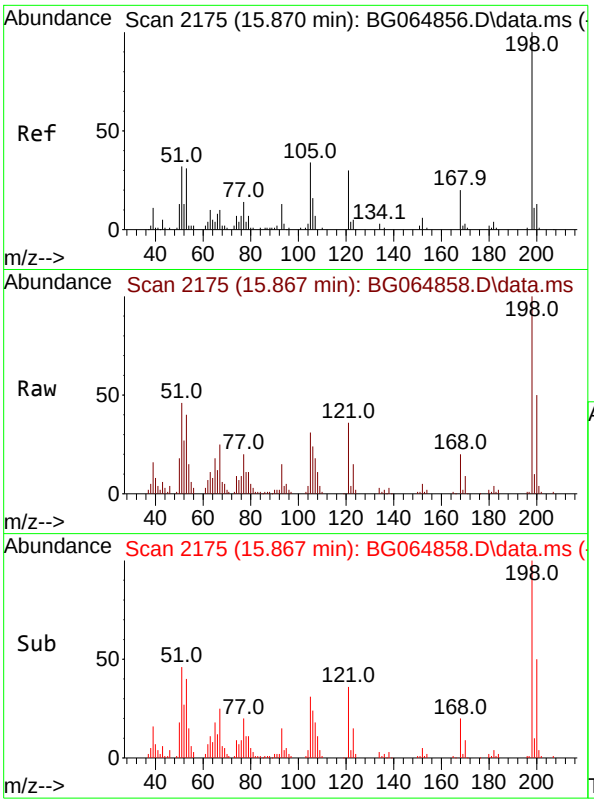


#63
4-Nitroaniline
Concen: 38.540 ng/ul
RT: 15.808 min Scan# 2165
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:138 Resp: 57465

Ion	Ratio	Lower	Upper
138	100		
92	54.2	39.3	58.9
108	90.1	73.8	110.8

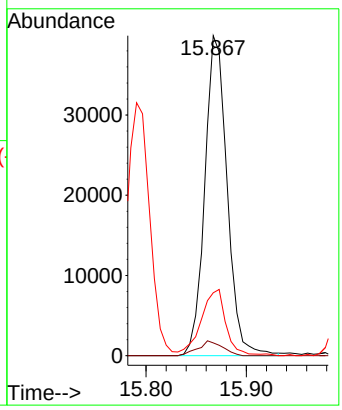




#66
4,6-Dinitro-2-methylphenol
Concen: 34.193 ng/ul
RT: 15.867 min Scan# 2175
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

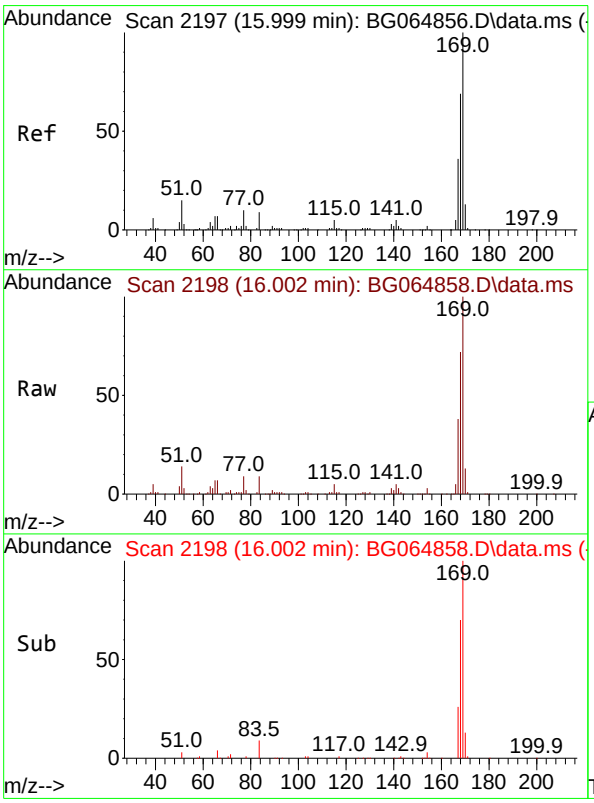
Tgt Ion:198 Resp: 61928

Ion	Ratio	Lower	Upper
198	100		
182	4.0	3.6	5.4
77	19.6	17.5	26.3



Instrument :
BNA_G
ClientSampleId :
SLCS717

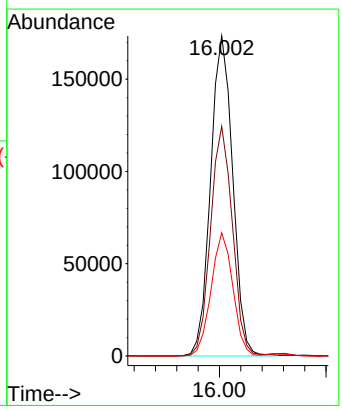
Manual Integrations APPROVED
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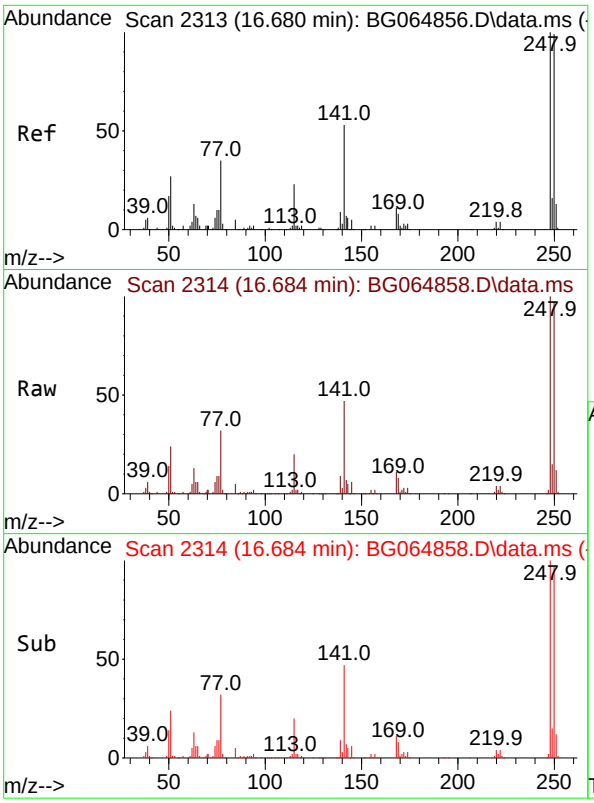


#67
N-Nitrosodiphenylamine
Concen: 31.988 ng/ul
RT: 16.002 min Scan# 2198
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:169 Resp: 250229

Ion	Ratio	Lower	Upper
169	100		
168	71.8	54.4	81.6
167	38.5	29.0	43.4

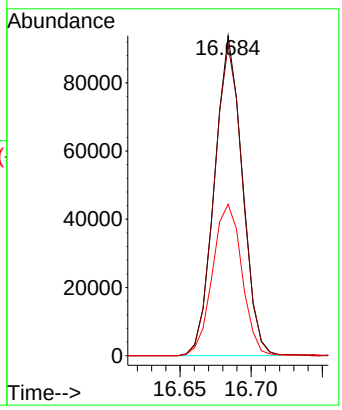


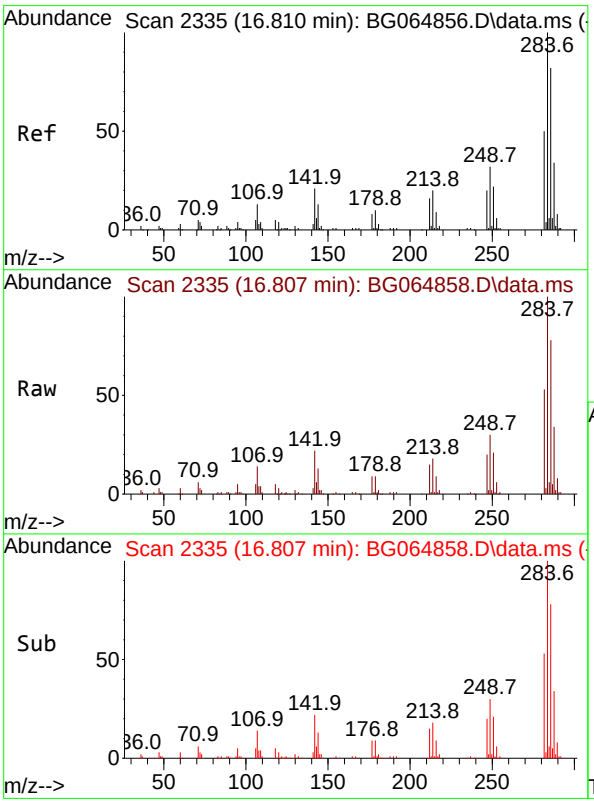


#68
4-Bromophenyl-phenylether
Concen: 32.903 ng/ul
RT: 16.684 min Scan# 2314
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:248 Resp: 127681

Ion	Ratio	Lower	Upper
248	100		
250	97.0	80.2	120.2
141	47.3	41.3	61.9

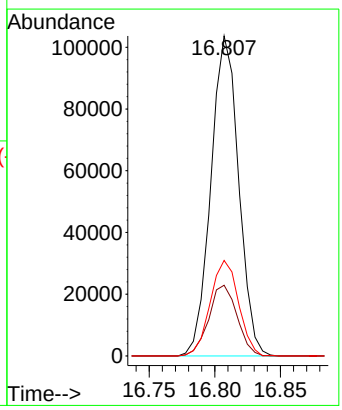




#69
Hexachlorobenzene
Concen: 32.385 ng/ul
RT: 16.807 min Scan# 2335
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

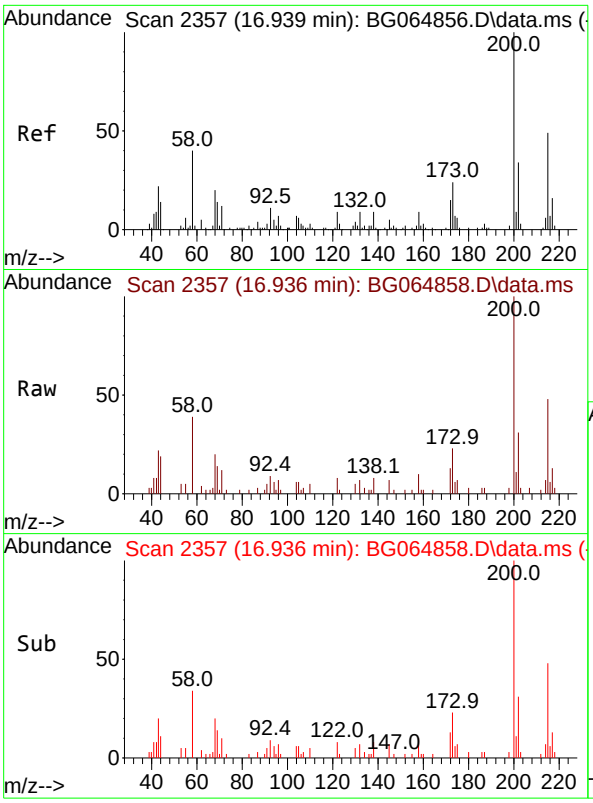
Tgt Ion:284 Resp: 152460

Ion	Ratio	Lower	Upper
284	100		
142	20.8	17.6	26.4
249	30.1	24.7	37.1



Instrument :
BNA_G
ClientSampleId :
SLCS717

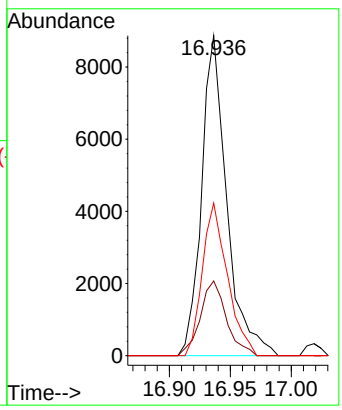
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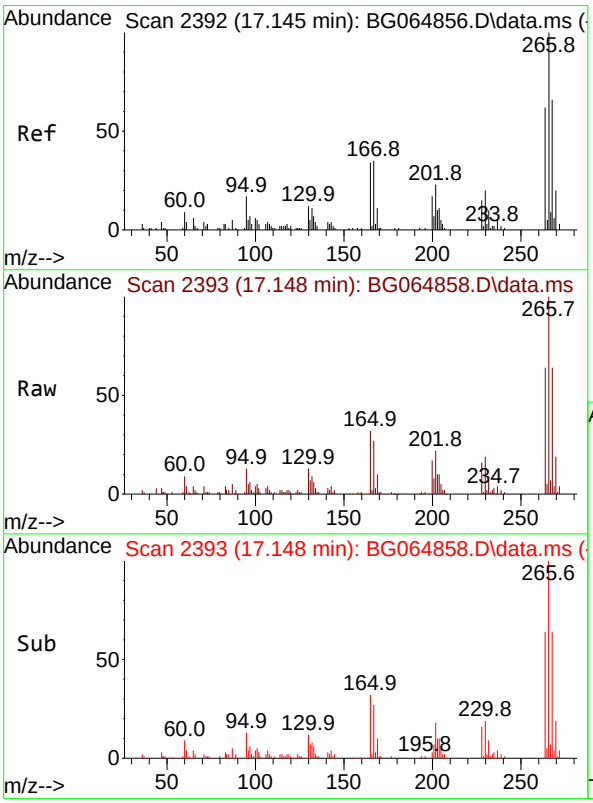


#70
Atrazine
Concen: 3.403 ng/ul
RT: 16.936 min Scan# 2357
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:200 Resp: 12737

Ion	Ratio	Lower	Upper
200	100		
173	23.3	18.6	28.0
215	47.7	39.0	58.6

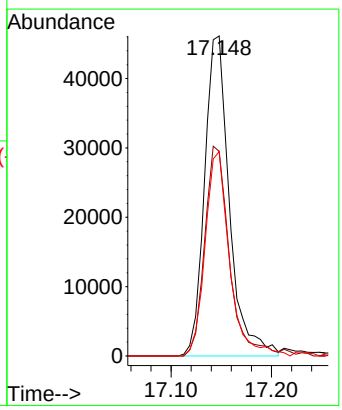




#71
Pentachlorophenol
Concen: 30.446 ng/ul
RT: 17.148 min Scan# 2393
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

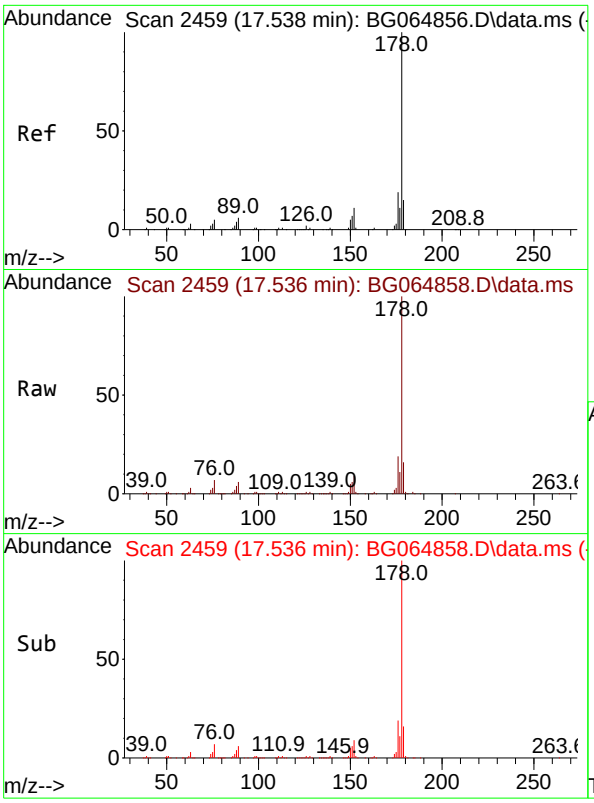
Tgt Ion:266 Resp: 79591

Ion	Ratio	Lower	Upper
266	100		
264	68.8	48.8	73.2
268	68.4	53.0	79.4



Instrument :
BNA_G
ClientSampleId :
SLCS717

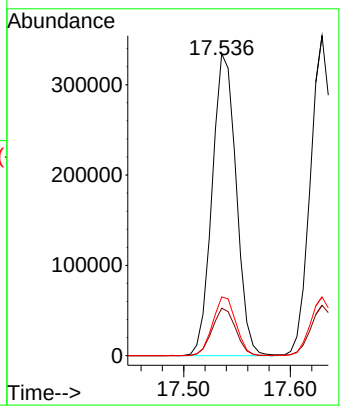
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

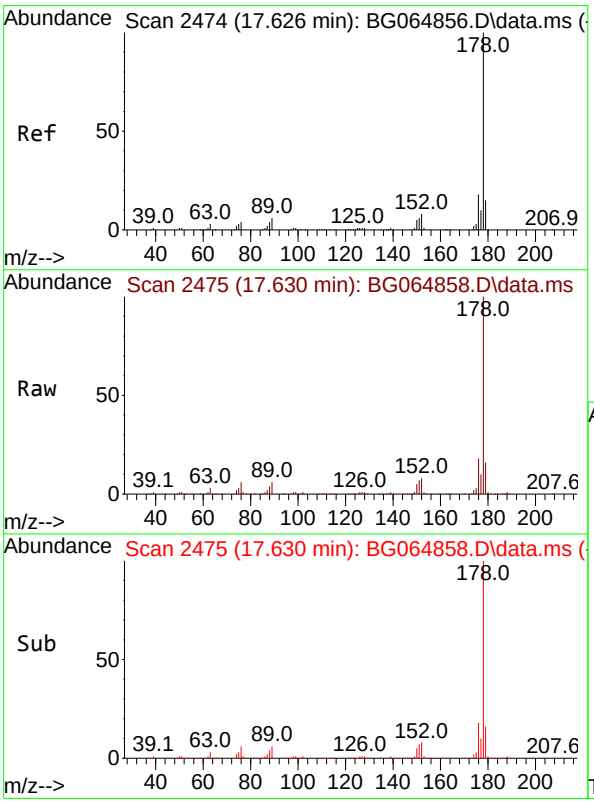


#72
Phenanthrene
Concen: 32.196 ng/ul
RT: 17.536 min Scan# 2459
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:178 Resp: 524028

Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.9	17.9
176	19.4	15.1	22.7

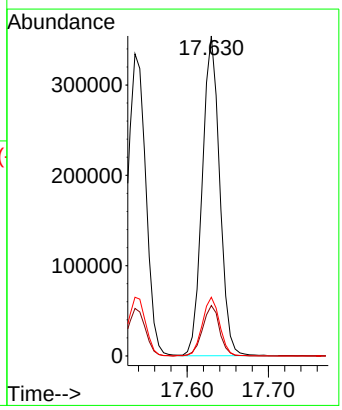




#74
Anthracene
Concen: 32.170 ng/ul
RT: 17.630 min Scan# 2475
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

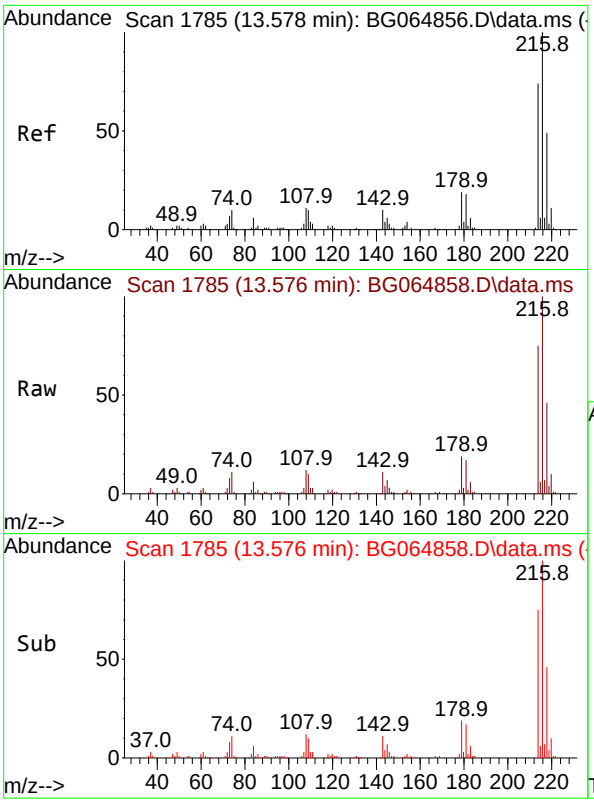
Tgt Ion:178 Resp: 525212

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7
176	18.4	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SLCS717

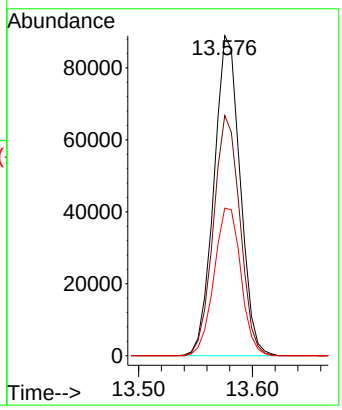
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

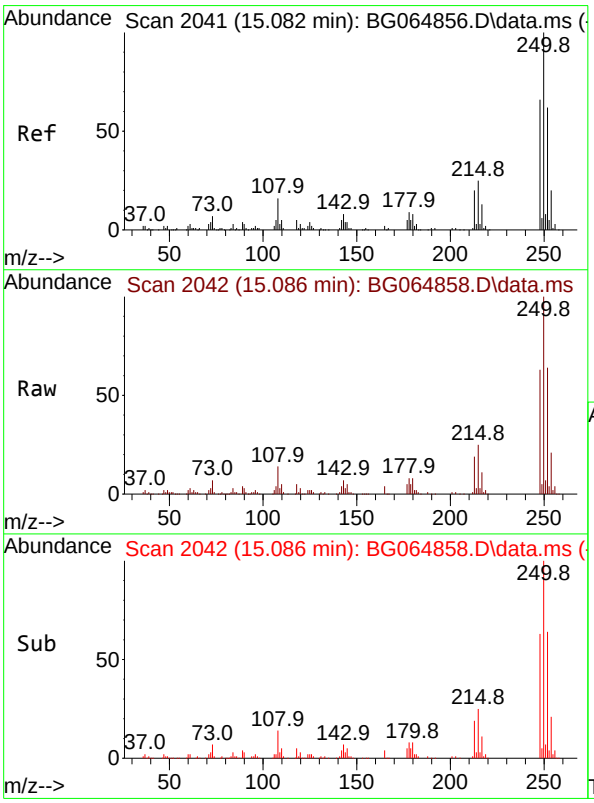


#75
1,2,3,4-Tetrachlorobenzene
Concen: 32.571 ng/ul
RT: 13.576 min Scan# 1785
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:216 Resp: 142533

Ion	Ratio	Lower	Upper
216	100		
214	75.1	60.1	90.1
218	46.1	38.2	57.4

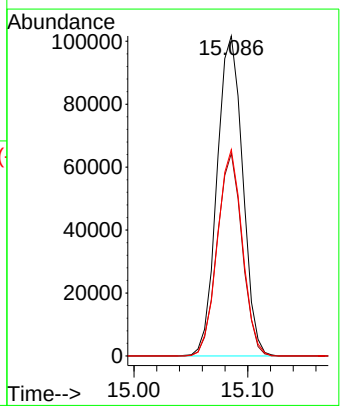




#76
Pentachlorobenzene
Concen: 32.072 ng/ul
RT: 15.086 min Scan# 2042
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

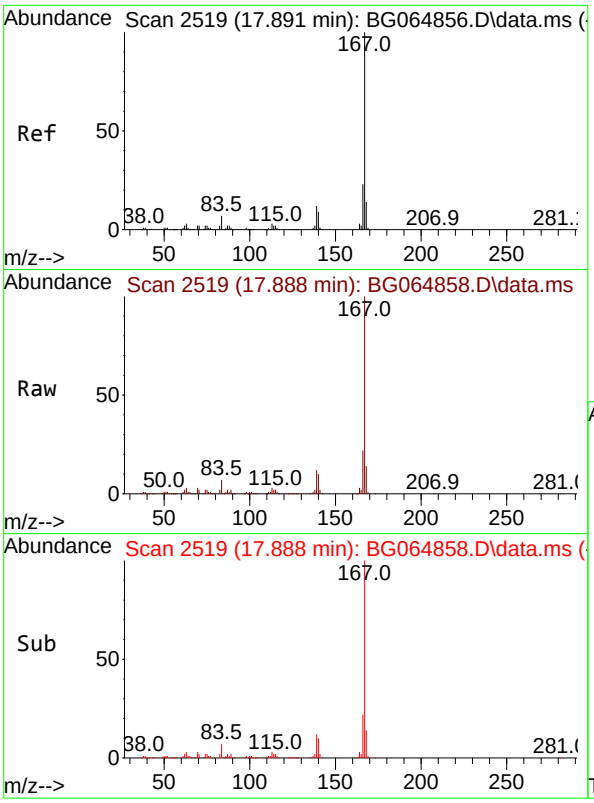
Tgt Ion:250 Resp: 159450

Ion	Ratio	Lower	Upper
250	100		
248	63.3	48.5	72.7
252	68.8	51.8	77.8



Instrument :
BNA_G
ClientSampleId :
SLCS717

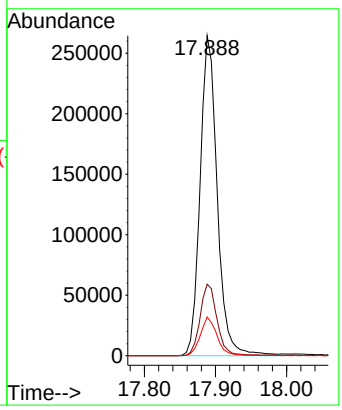
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#77
Carbazole
Concen: 33.310 ng/ul
RT: 17.888 min Scan# 2519
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

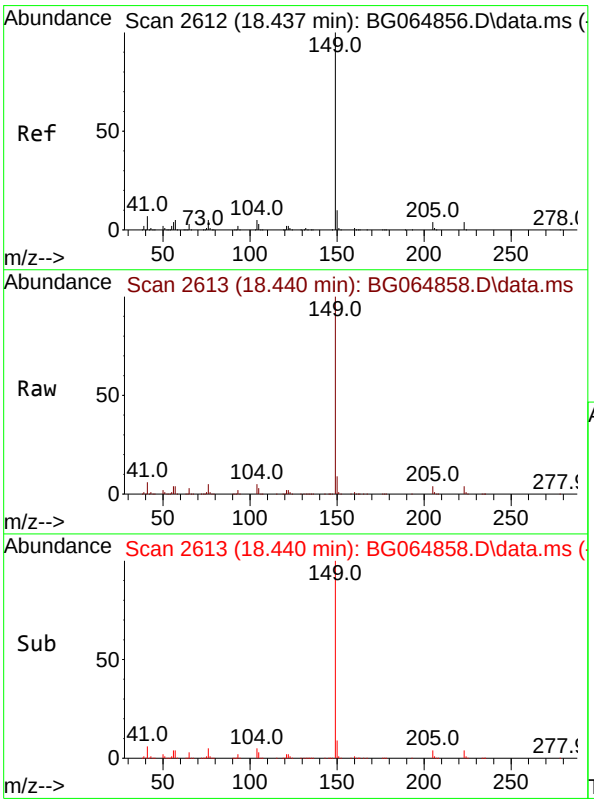
Tgt Ion:167 Resp: 443485

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.1	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SLCS717

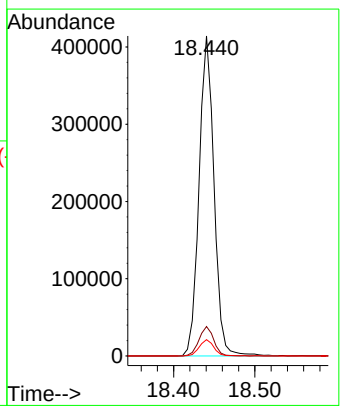
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

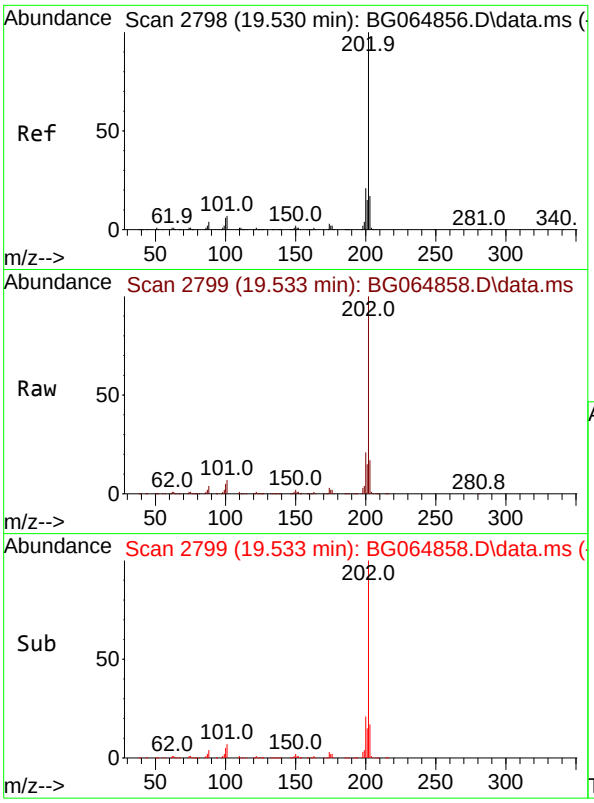


#78
Di-n-butylphthalate
Concen: 34.394 ng/ul
RT: 18.440 min Scan# 2613
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:149 Resp: 529656

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	5.1	3.5	5.3

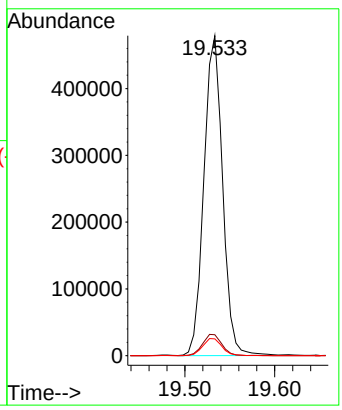




#80
Fluoranthene
Concen: 32.238 ng/ul
RT: 19.533 min Scan# 2799
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

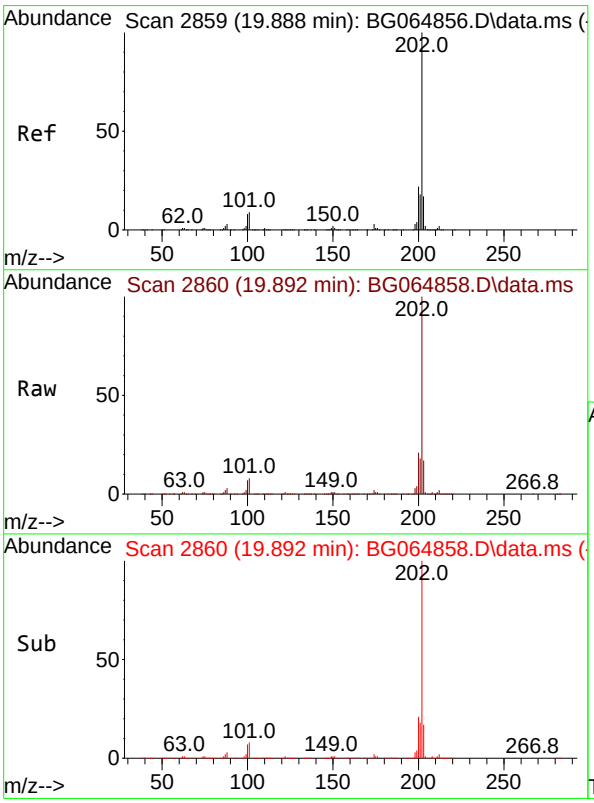
Tgt Ion:202 Resp: 691905

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.5	8.3
100	5.3	4.9	7.3



Instrument :
BNA_G
ClientSampleId :
SLCS717

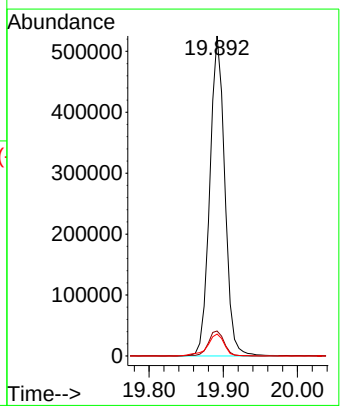
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

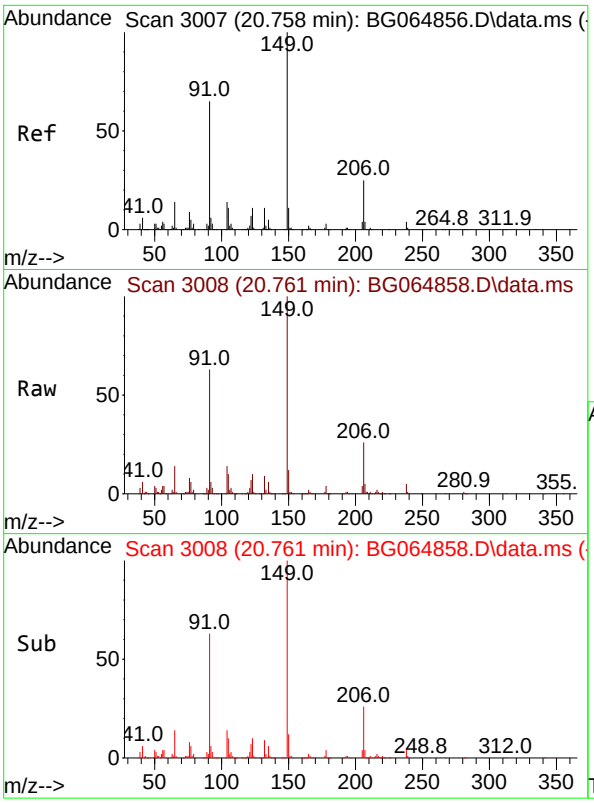


#82
Pyrene
Concen: 32.937 ng/ul
RT: 19.892 min Scan# 2860
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:202 Resp: 737852

Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.0	9.0
100	6.9	5.4	8.2

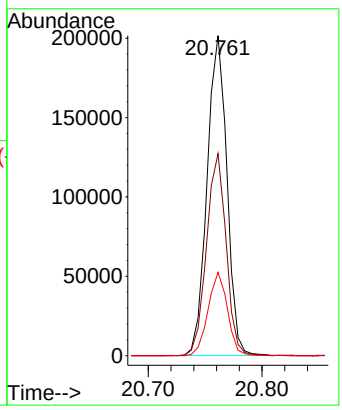




#83
Butylbenzylphthalate
Concen: 32.894 ng/ul
RT: 20.761 min Scan# 3008
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

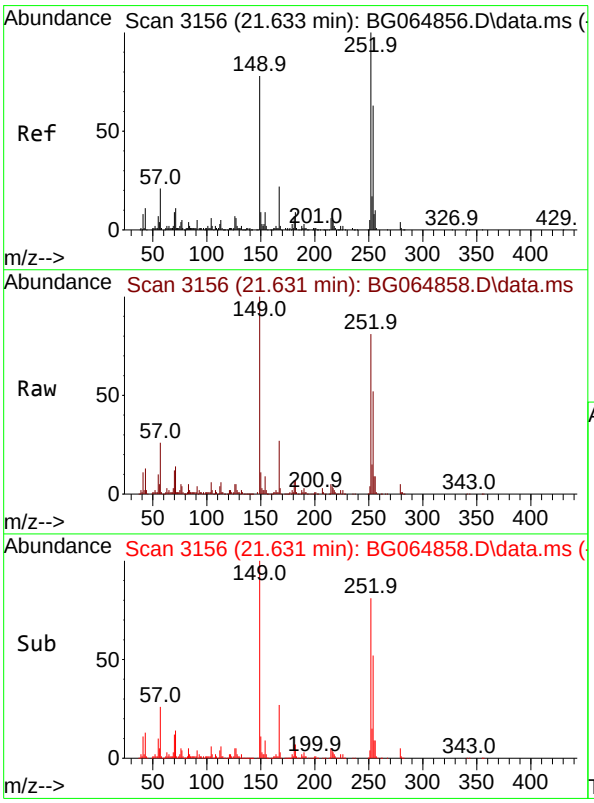
Tgt Ion:149 Resp: 243350

Ion	Ratio	Lower	Upper
149	100		
91	63.2	48.3	72.5
206	26.1	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
SLCS717

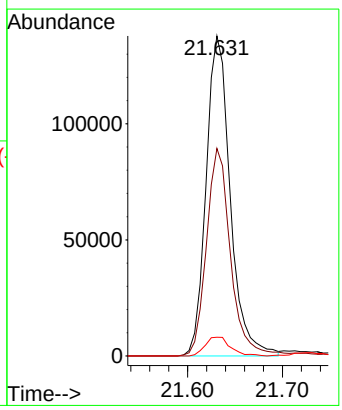
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

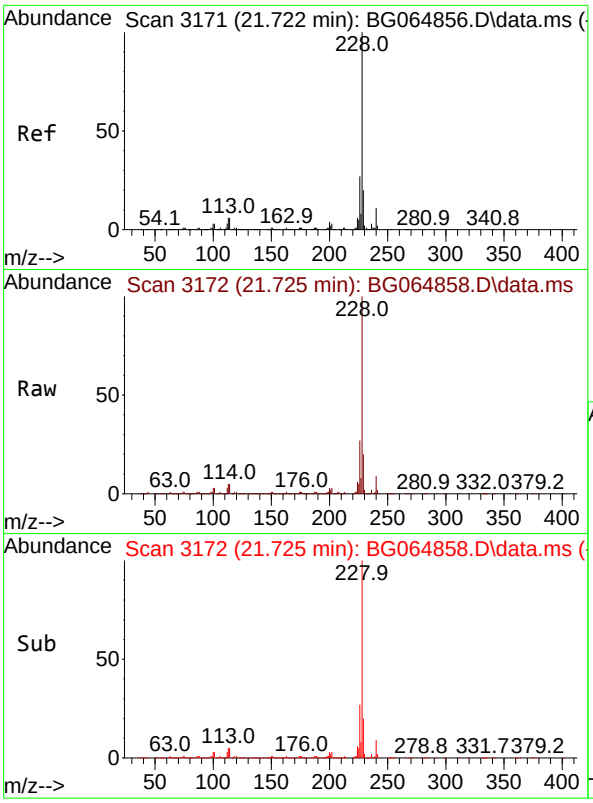


#84
3,3'-Dichlorobenzidine
Concen: 30.737 ng/ul
RT: 21.631 min Scan# 3156
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:252 Resp: 244159

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.9	77.9
126	5.9	4.6	7.0

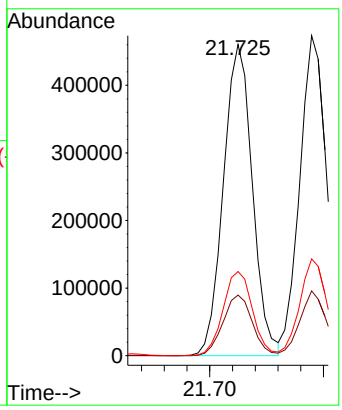




#85
Benzo(a)anthracene
Concen: 32.639 ng/ul
RT: 21.725 min Scan# 3172
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

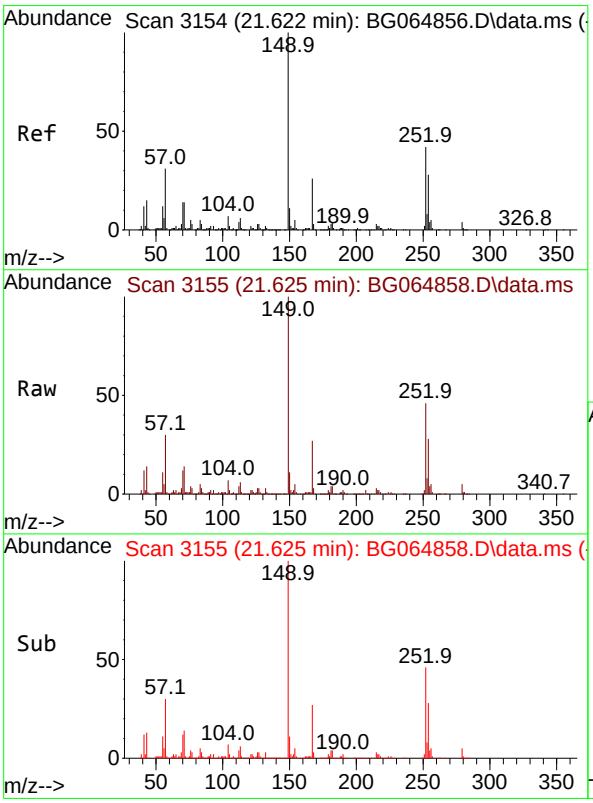
Tgt Ion:228 Resp: 816239

Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.2	22.8
226	27.1	21.6	32.4



Instrument :
BNA_G
ClientSampleId :
SLCS717

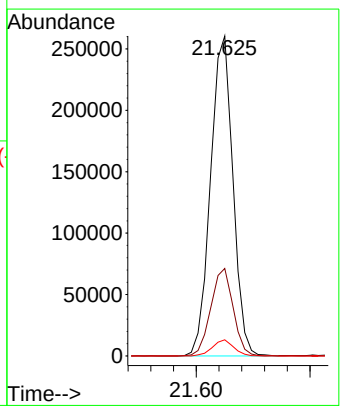
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

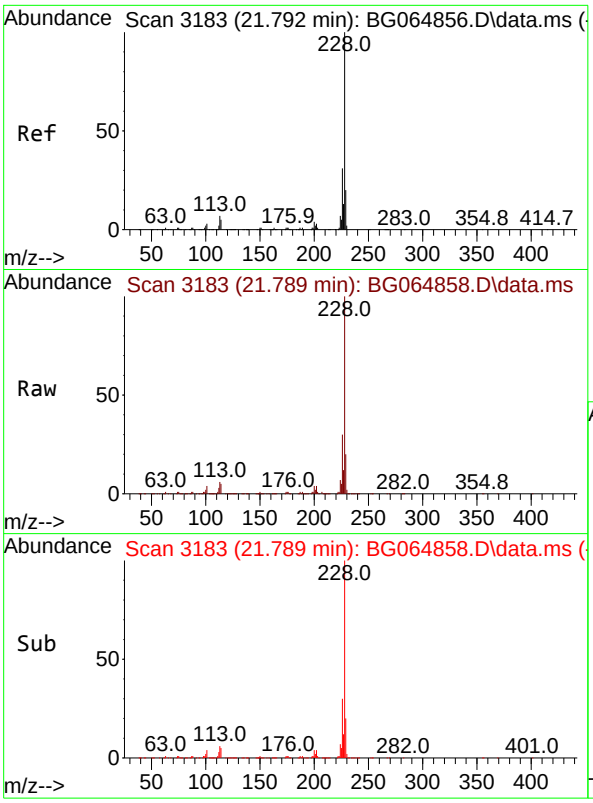


#86
Bis(2-ethylhexyl)phthalate
Concen: 32.575 ng/ul
RT: 21.625 min Scan# 3155
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:149 Resp: 356416

Ion	Ratio	Lower	Upper
149	100		
167	27.4	20.7	31.1
279	5.1	3.8	5.8

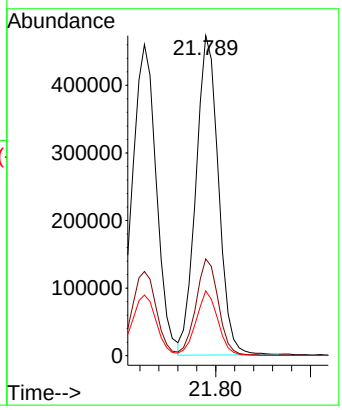


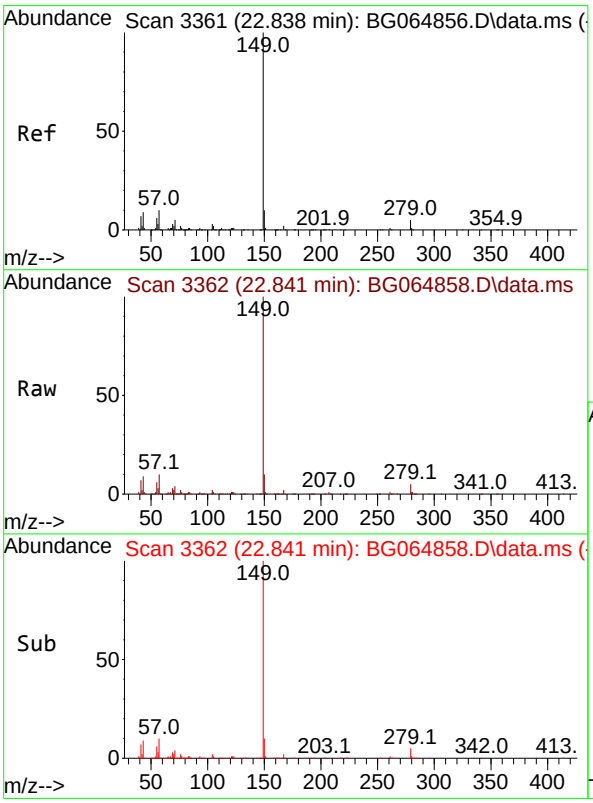


#87
Chrysene
Concen: 32.269 ng/ul
RT: 21.789 min Scan# 3183
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:228 Resp: 781092

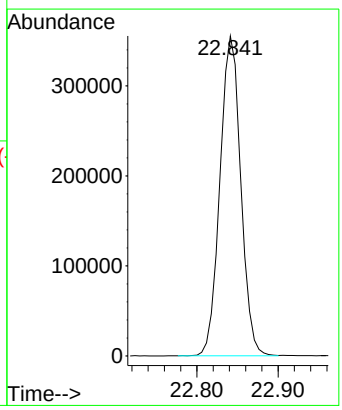
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	36.8
229	20.3	15.8	23.6





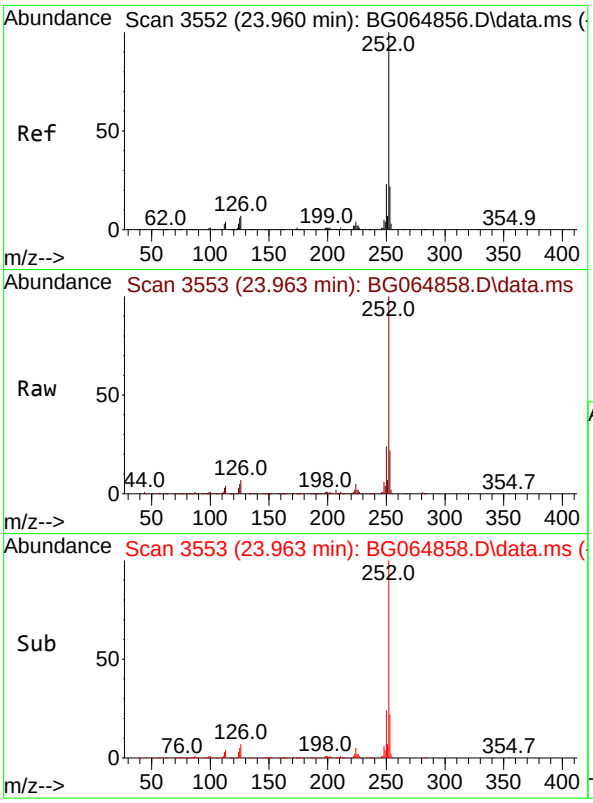
#89
Di-n-octyl phthalate
Concen: 33.864 ng/ul
RT: 22.841 min Scan# 3362
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:149 Resp: 632721



Instrument :
BNA_G
ClientSampleId :
SLCS717

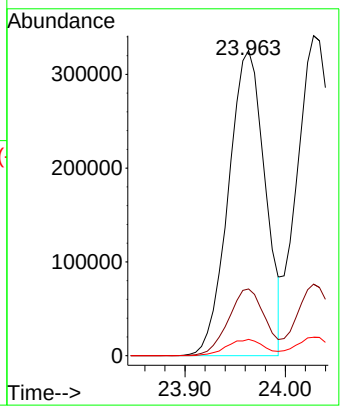
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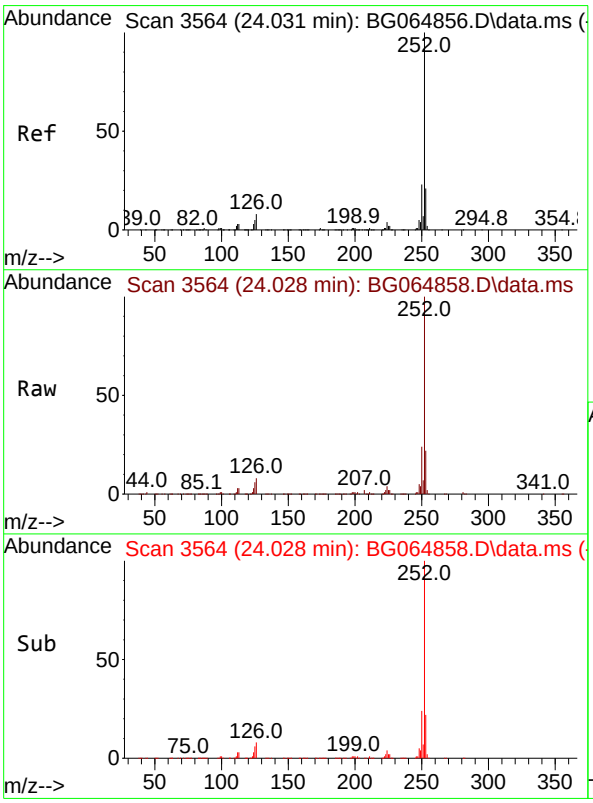


#90
Benzo(b)fluoranthene
Concen: 32.692 ng/ul
RT: 23.963 min Scan# 3553
Delta R.T. 0.003 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:252 Resp: 825273

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	5.4	4.6	6.8

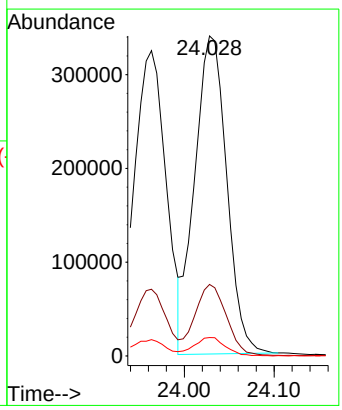




#91
Benzo(k)fluoranthene
Concen: 32.539 ng/ul
RT: 24.028 min Scan# 3564
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

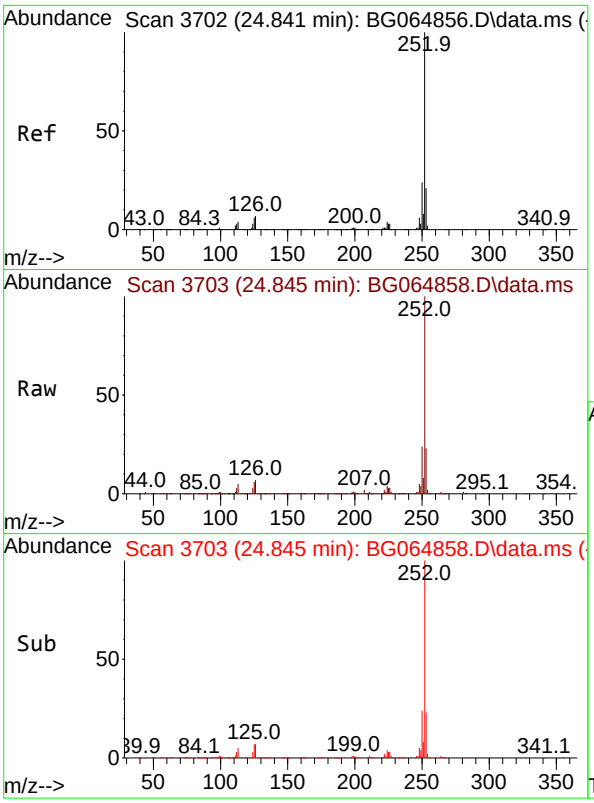
Tgt Ion:252 Resp: 840503

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	28.0
125	5.8	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SLCS717

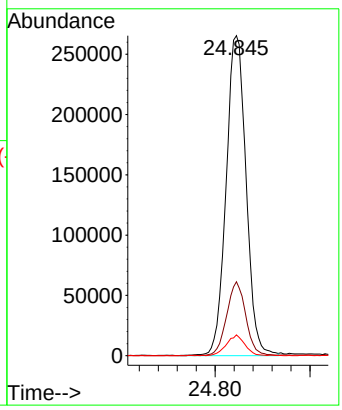
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#93
Benzo(a)pyrene
Concen: 32.395 ng/ul
RT: 24.845 min Scan# 3703
Delta R.T. -0.002 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

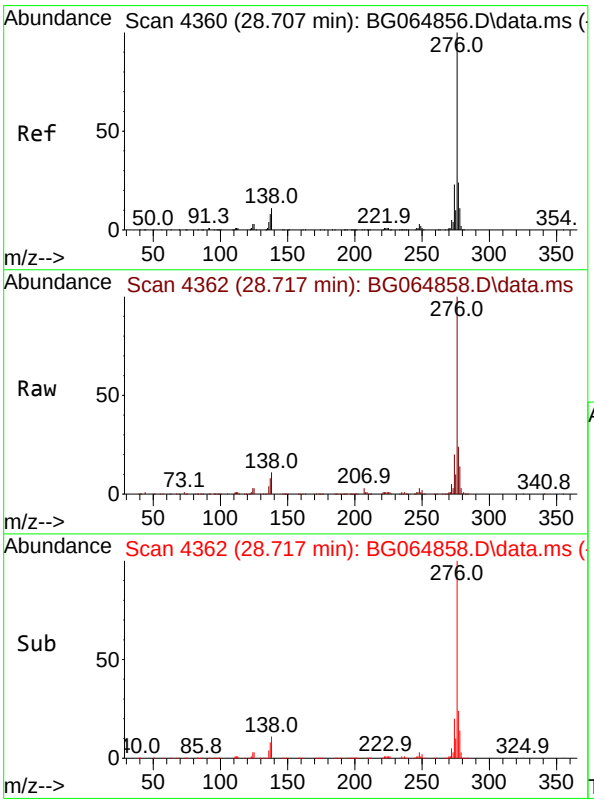
Tgt Ion:252 Resp: 777777

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	6.5	4.7	7.1



Instrument :
BNA_G
ClientSampleId :
SLCS717

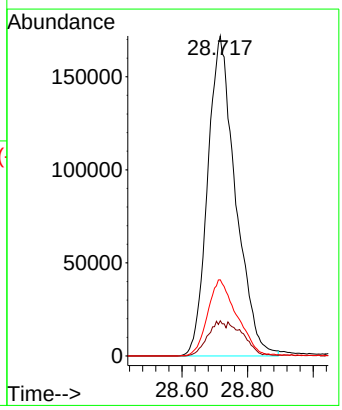
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

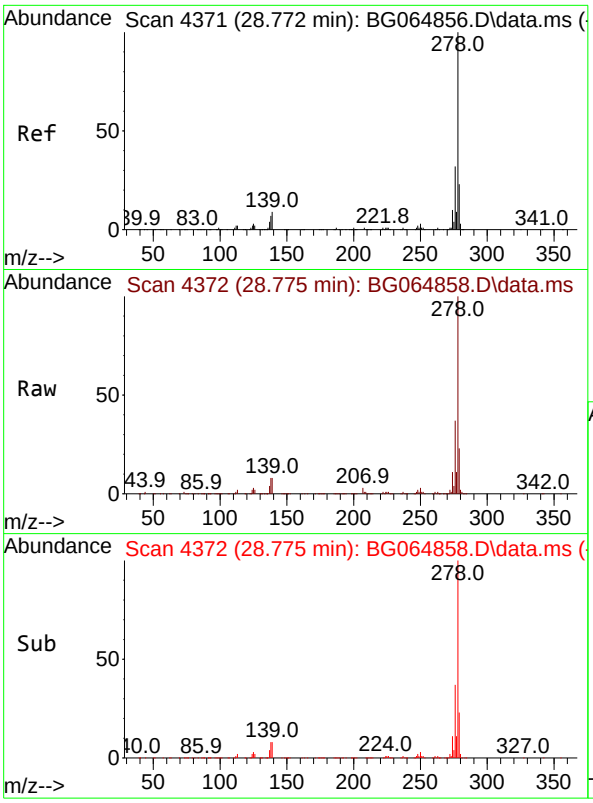


#94
Indeno(1,2,3-cd)pyrene
Concen: 32.856 ng/ul
RT: 28.717 min Scan# 4362
Delta R.T. 0.004 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:276 Resp: 1013456

Ion	Ratio	Lower	Upper
276	100		
138	11.0	9.0	13.4
277	23.8	18.5	27.7

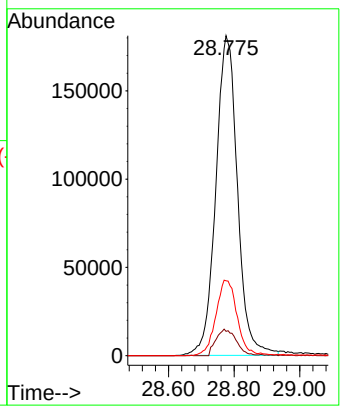




#95
Dibenzo(a,h)anthracene
Concen: 33.237 ng/ul
RT: 28.775 min Scan# 4372
Delta R.T. -0.003 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

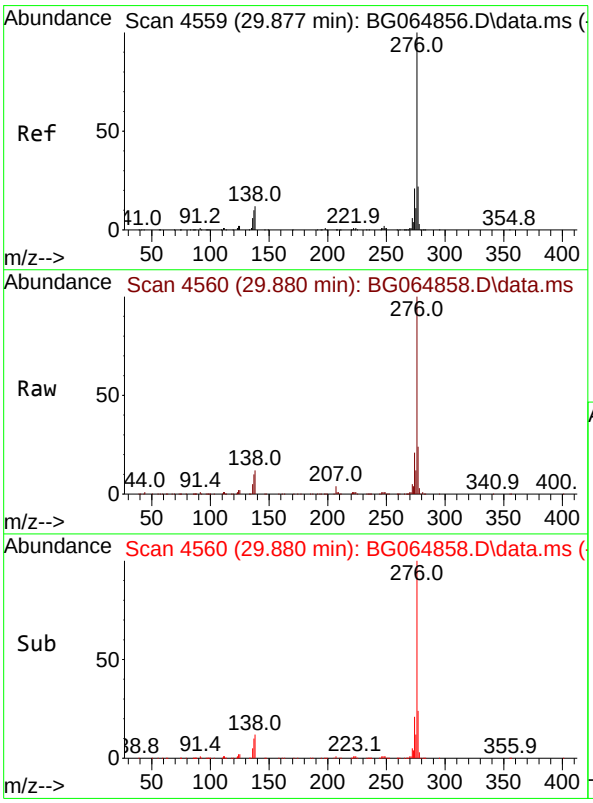
Tgt Ion:278 Resp: 827061

Ion	Ratio	Lower	Upper
278	100		
139	7.6	6.6	9.8
279	23.4	18.6	27.8



Instrument :
BNA_G
ClientSampleId :
SLCS717

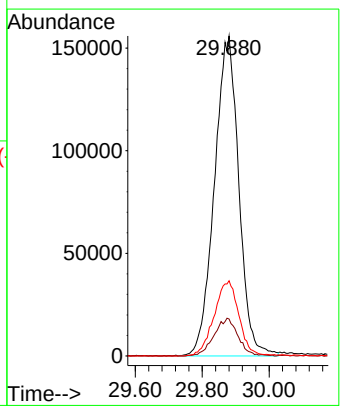
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#96
Benzo(g,h,i)perylene
Concen: 31.680 ng/ul
RT: 29.880 min Scan# 4560
Delta R.T. 0.010 min
Lab File: BG064858.D
Acq: 25 Nov 2025 13:09

Tgt Ion:276 Resp: 788755

Ion	Ratio	Lower	Upper
276	100		
138	11.5	9.8	14.8
277	23.5	18.1	27.1



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064858.D
Acq On : 25 Nov 2025 13:09
Operator : RC/JU
Sample : PB170717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS717

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 13:56:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	32091	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	132576	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	113356	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	291078	20.000	ng/ul	0.00
79) Chrysene-d12	21.742	240	373019	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	410007	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	4843	5.982	ng/uL	0.00
4) Pyridine-d5	3.910	84	66583	29.847	ng/ul	0.00
7) Phenol-d5	7.295	99	86845	33.570	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.471	67	53351	32.246	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	71472	36.443	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	74655	33.483	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	33299	33.301	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	41354	34.818	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	88170	36.006	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	72219	23.073	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	301943	33.863	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	313559	32.836	ng/ul	0.00
54) 4-Nitrophenol-d4	14.939	143	46985	34.756	ng/ul	0.00
60) Fluorene-d10	15.750	176	263770	32.951	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	61299	32.893	ng/ul	0.00
73) Anthracene-d10	17.594	188	481781	32.756	ng/ul	0.00
81) Pyrene-d10	19.862	212	628912	32.823	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.774	264	733076	33.889	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	10077	10.760	ng/uL	93
5) Pyridine	3.928	79	66578	27.257	ng/ul	95
6) Benzaldehyde	7.277	77	4753	3.741	ng/ul	96
8) Phenol	7.324	94	91382	33.839	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.559	93	64746	32.420	ng/ul	99
12) 2-Chlorophenol	7.718	128	69805	33.607	ng/ul	96
13) 2-Methylphenol	8.587	108	69495	32.508	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.670	45	130263	31.067	ng/ul	99
16) Acetophenone	8.975	105	114626	31.255	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.957	70	56544	32.140	ng/ul	95
18) 4-Methylphenol	8.916	108	78727	33.566	ng/ul	86
19) Hexachloroethane	9.257	117	28555	30.805	ng/ul	91
22) Nitrobenzene	9.357	77	83848	32.647	ng/ul	99
23) Isophorone	9.886	82	163121	32.421	ng/ul	99
25) 2-Nitrophenol	10.074	139	40421	32.372	ng/ul	94
26) 2,4-Dimethylphenol	10.127	107	77739	28.904	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.362	93	95219	33.746	ng/ul	97
29) 2,4-Dichlorophenol	10.614	162	80666	35.320	ng/ul	97
30) Naphthalene	11.026	128	239883	31.485	ng/ul	98
32) 4-Chloroaniline	11.126	127	55002	17.265	ng/ul	95
33) Hexachlorobutadiene	11.314	225	75135	31.364	ng/ul	98
34) Caprolactam	11.866	113	26079m	32.679	ng/ul	
35) 4-Chloro-3-methylphenol	12.224	107	86673	34.849	ng/ul	94
36) 2-Methylnaphthalene	12.618	142	178948	31.342	ng/ul	99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064858.D
Acq On : 25 Nov 2025 13:09
Operator : RC/JU
Sample : PB170717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS717

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 13:56:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.829	142	178319	31.909	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.976	216	141157	32.412	ng/ul	96
40) Hexachlorocyclopentadiene	12.965	237	70727	23.442	ng/ul	91
41) 2,4,6-Trichlorophenol	13.211	196	80906	33.606	ng/ul	96
42) 2,4,5-Trichlorophenol	13.282	196	88569	34.915	ng/ul	92
43) 1,1'-Biphenyl	13.605	154	256682	32.164	ng/ul	99
44) 2-Chloronaphthalene	13.652	162	203080	32.415	ng/ul	97
45) 2-Nitroaniline	13.840	65	65666	35.258	ng/ul	92
47) Dimethylphthalate	14.210	163	298138	32.764	ng/ul	99
48) 2,6-Dinitrotoluene	14.328	165	58565	35.076	ng/ul	92
50) Acenaphthylene	14.492	152	323800	29.638	ng/ul	98
51) 3-Nitroaniline	14.657	138	47106	32.528	ng/ul	96
52) Acenaphthene	14.833	153	233748	32.630	ng/ul	97
53) 2,4-Dinitrophenol	14.862	184	34302	34.934	ng/ul	94
55) 4-Nitrophenol	14.950	109	42122	33.708	ng/ul	91
56) Dibenzofuran	15.162	168	352663	32.252	ng/ul	99
57) 2,4-Dinitrotoluene	15.109	165	88922	35.005	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.385	232	91591	31.885	ng/ul#	93
59) Diethylphthalate	15.562	149	292834	32.768	ng/ul	99
61) Fluorene	15.808	166	273717	31.913	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.791	204	170542	32.606	ng/ul	99
63) 4-Nitroaniline	15.808	138	57465	38.540	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.867	198	61928	34.193	ng/ul	96
67) N-Nitrosodiphenylamine	16.002	169	250229	31.988	ng/ul	96
68) 4-Bromophenyl-phenylether	16.684	248	127681	32.903	ng/ul	96
69) Hexachlorobenzene	16.807	284	152460	32.385	ng/ul	98
70) Atrazine	16.936	200	12737	3.403	ng/ul	99
71) Pentachlorophenol	17.148	266	79591	30.446	ng/ul	94
72) Phenanthrene	17.536	178	524028	32.196	ng/ul	98
74) Anthracene	17.630	178	525212	32.170	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.576	216	142533	32.571	ng/ul	99
76) Pentachlorobenzene	15.086	250	159450	32.072	ng/ul	96
77) Carbazole	17.888	167	443485	33.310	ng/ul	100
78) Di-n-butylphthalate	18.440	149	529656	34.394	ng/ul	99
80) Fluoranthene	19.533	202	691905	32.238	ng/ul	98
82) Pyrene	19.892	202	737852	32.937	ng/ul	99
83) Butylbenzylphthalate	20.761	149	243350	32.894	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.631	252	244159	30.737	ng/ul	100
85) Benzo(a)anthracene	21.725	228	816239	32.639	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.625	149	356416	32.575	ng/ul	97
87) Chrysene	21.789	228	781092	32.269	ng/ul	99
89) Di-n-octyl phthalate	22.841	149	632721	33.864	ng/ul	100
90) Benzo(b)fluoranthene	23.963	252	825273	32.692	ng/ul	99
91) Benzo(k)fluoranthene	24.028	252	840503	32.539	ng/ul	98
93) Benzo(a)pyrene	24.845	252	777777	32.395	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.717	276	1013456	32.856	ng/ul	99
95) Dibenzo(a,h)anthracene	28.775	278	827061	33.237	ng/ul	99
96) Benzo(g,h,i)perylene	29.880	276	788755	31.680	ng/ul	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

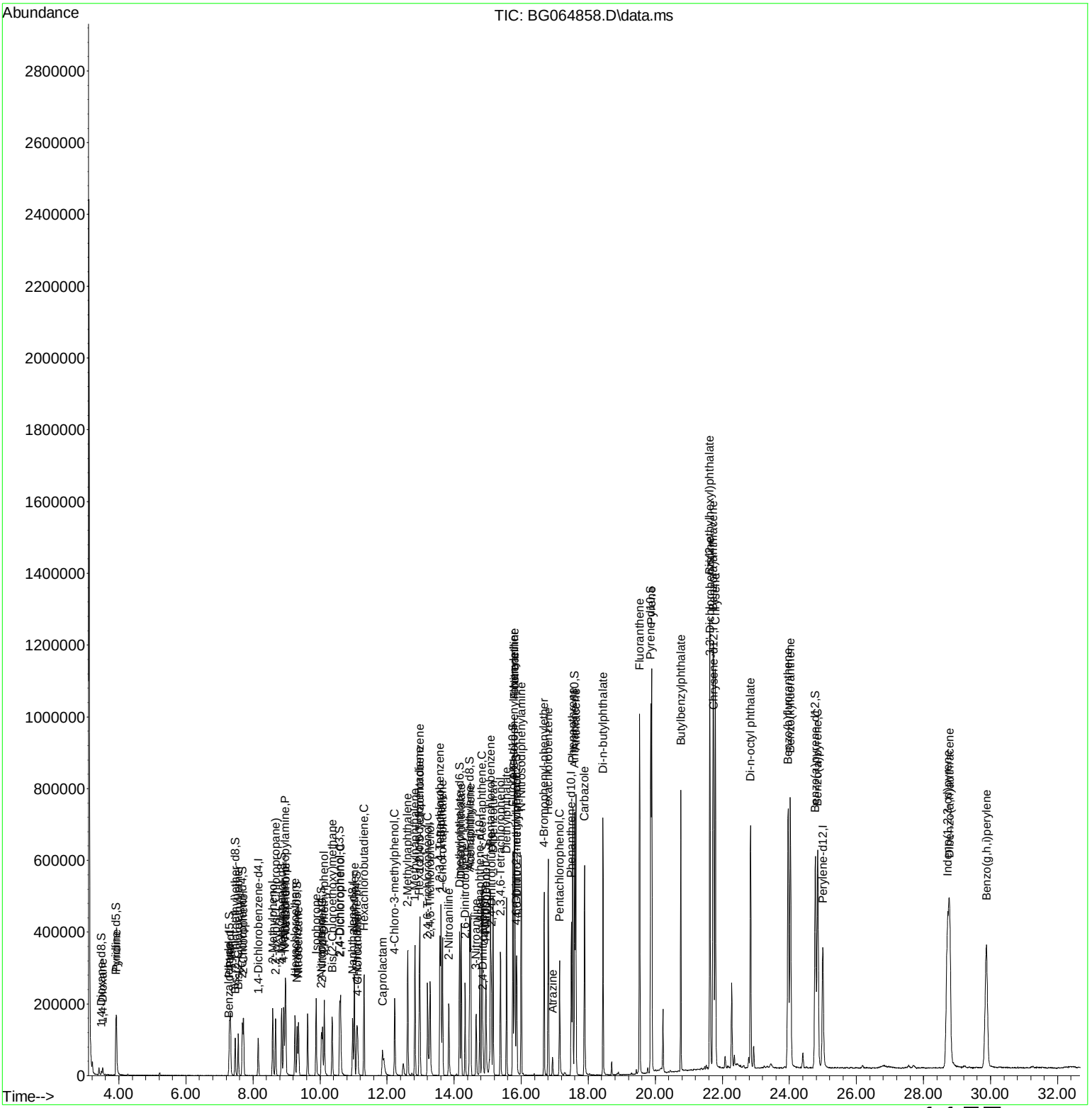
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064858.D
Acq On : 25 Nov 2025 13:09
Operator : RC/JU
Sample : PB170717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 13:56:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS717

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



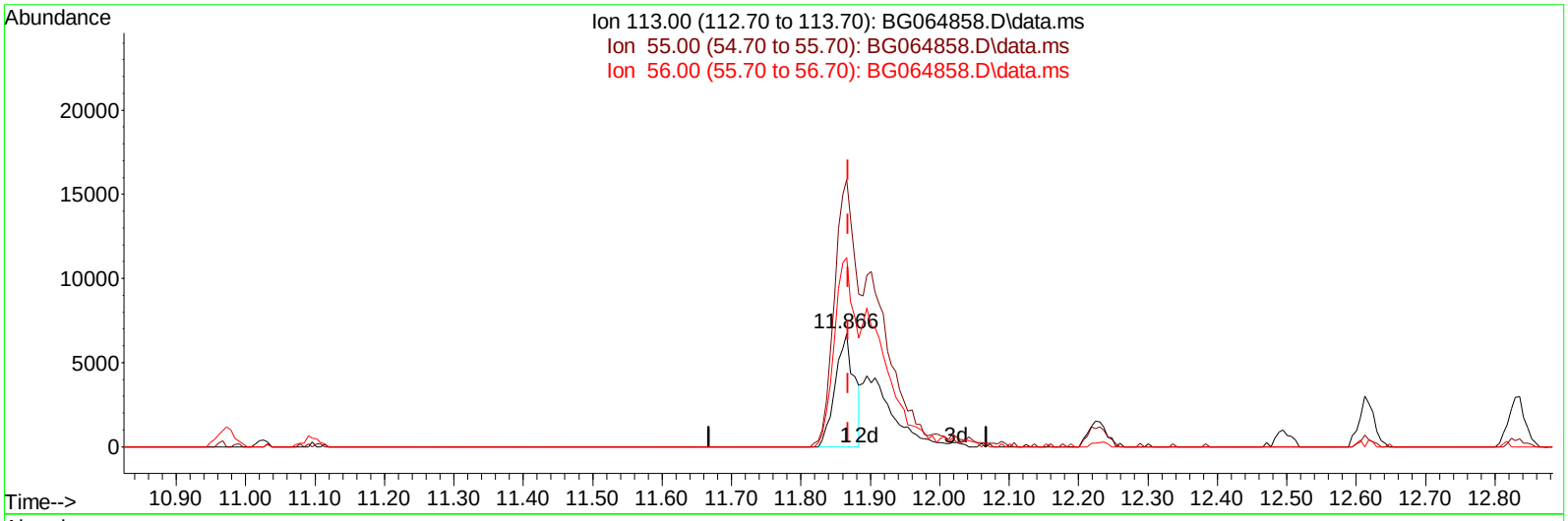
Quantitation Report (Qedit)

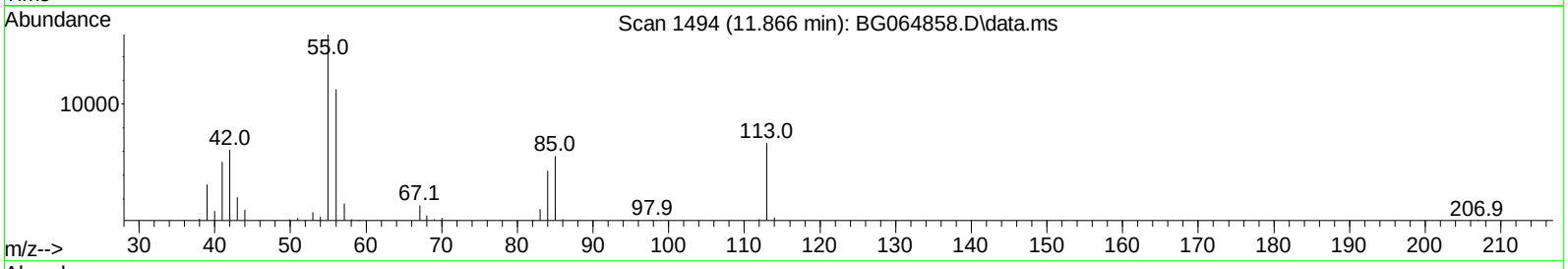
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Data File : BG064858.D
Acq On : 25 Nov 2025 13:09
Operator : RC/JU
Sample : PB170717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

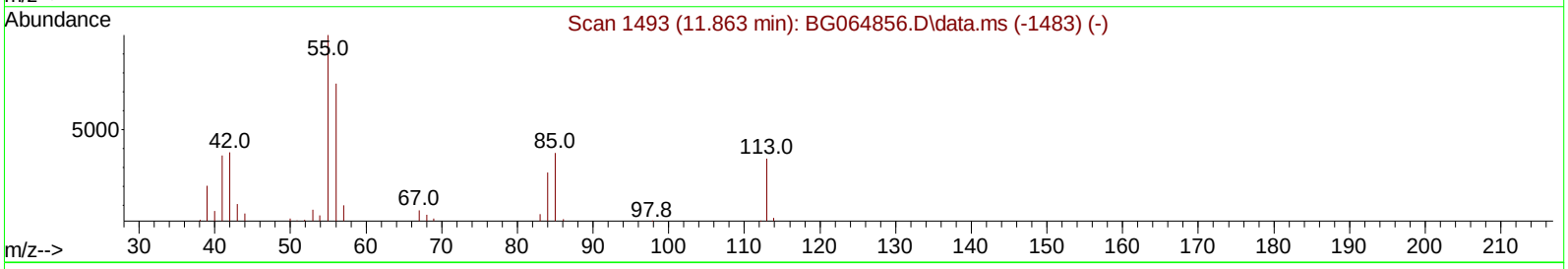
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS717

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064858.D\data.ms

(34) Caprolactam

11.866min (-0.002) 16.30 ng/ul

response 13011

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	235.61
56.00	159.40	167.20
0.00	0.00	0.00

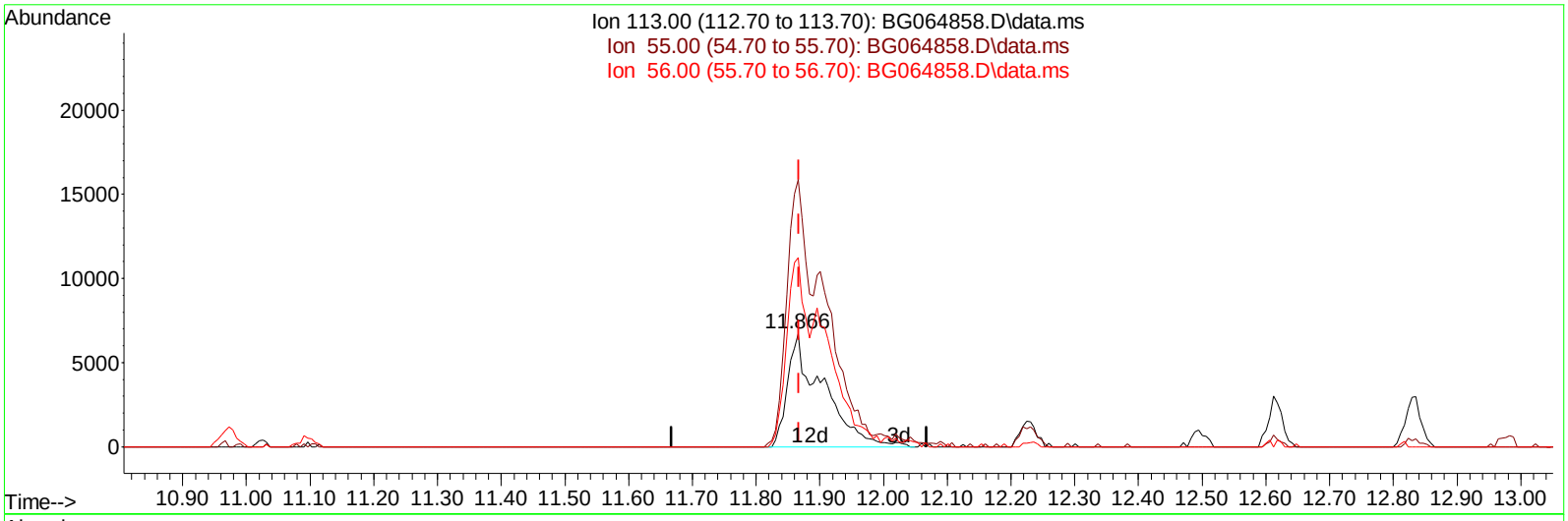
Quantitation Report (Qedit)

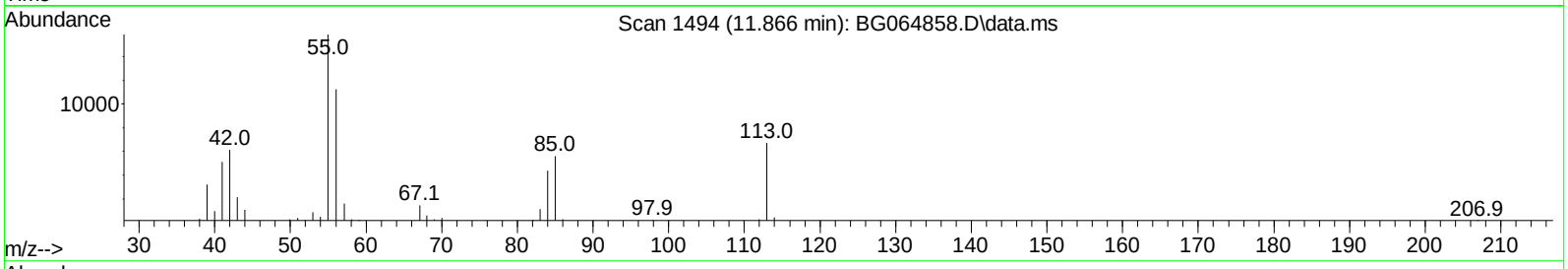
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Data File : BG064858.D
Acq On : 25 Nov 2025 13:09
Operator : RC/JU
Sample : PB170717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

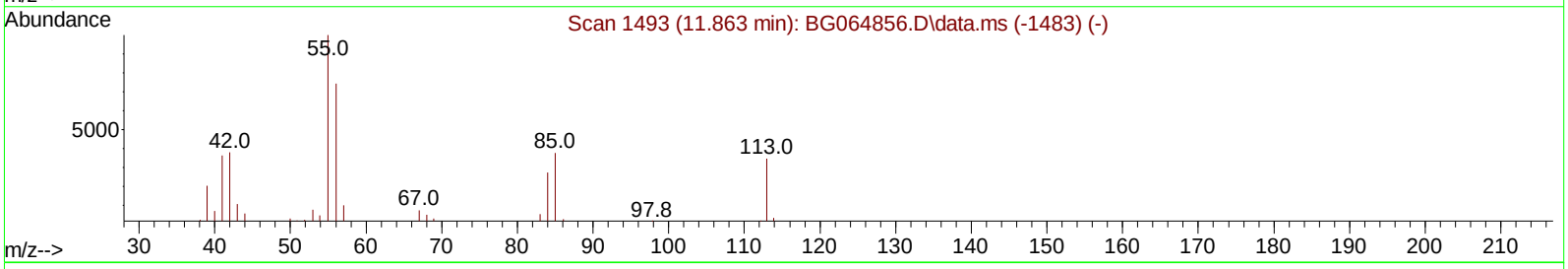
Quant Time: Nov 25 13:56:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS717

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064858.D\data.ms

(34) Caprolactam

11.866min (-0.002) 32.68 ng/ul m

response 26079

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	235.61
56.00	159.40	167.20
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064858.D
Acq On : 25 Nov 2025 13:09
Operator : RC/JU
Sample : PB170717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS717

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 25 13:56:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	32091	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	132576	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.768	164	113356	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	291078	20.000	ng/ul	0.00
79) Chrysene-d12	21.742	240	373019	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	410007	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	4843	5.982	ng/uL	0.00
4) Pyridine-d5	3.910	84	66583	29.847	ng/ul	0.00
7) Phenol-d5	7.295	99	86845	33.570	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.471	67	53351	32.246	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	71472	36.443	ng/ul	0.00
15) 4-Methylphenol-d8	8.852	113	74655	33.483	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	33299	33.301	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	41354	34.818	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	88170	36.006	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	72219	23.073	ng/ul	0.00
46) Dimethylphthalate-d6	14.163	166	301943	33.863	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	313559	32.836	ng/ul	0.00
54) 4-Nitrophenol-d4	14.939	143	46985	34.756	ng/ul	0.00
60) Fluorene-d10	15.750	176	263770	32.951	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.855	200	61299	32.893	ng/ul	0.00
73) Anthracene-d10	17.594	188	481781	32.756	ng/ul	0.00
81) Pyrene-d10	19.862	212	628912	32.823	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.774	264	733076	33.889	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	10077	10.760	ng/uL	93
5) Pyridine	3.928	79	66578	27.257	ng/ul	95
6) Benzaldehyde	7.277	77	4753	3.741	ng/ul	96
8) Phenol	7.324	94	91382	33.839	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.559	93	64746	32.420	ng/ul	99
12) 2-Chlorophenol	7.718	128	69805	33.607	ng/ul	96
13) 2-Methylphenol	8.587	108	69495	32.508	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.670	45	130263	31.067	ng/ul	99
16) Acetophenone	8.975	105	114626	31.255	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.957	70	56544	32.140	ng/ul	95
18) 4-Methylphenol	8.916	108	78727	33.566	ng/ul	86
19) Hexachloroethane	9.257	117	28555	30.805	ng/ul	91
22) Nitrobenzene	9.357	77	83848	32.647	ng/ul	99
23) Isophorone	9.886	82	163121	32.421	ng/ul	99
25) 2-Nitrophenol	10.074	139	40421	32.372	ng/ul	94
26) 2,4-Dimethylphenol	10.127	107	77739	28.904	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.362	93	95219	33.746	ng/ul	97
29) 2,4-Dichlorophenol	10.614	162	80666	35.320	ng/ul	97
30) Naphthalene	11.026	128	239883	31.485	ng/ul	98
32) 4-Chloroaniline	11.126	127	55002	17.265	ng/ul	95
33) Hexachlorobutadiene	11.314	225	75135	31.364	ng/ul	98
34) Caprolactam	11.866	113	26079m	32.679	ng/ul	
35) 4-Chloro-3-methylphenol	12.224	107	86673	34.849	ng/ul	94

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064858.D
Acq On : 25 Nov 2025 13:09
Operator : RC/JU
Sample : PB170717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 13:56:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS717

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.618	142	178948	31.342	ng/ul	99
37) 1-Methylnaphthalene	12.829	142	178319	31.909	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.976	216	141157	32.412	ng/ul	96
40) Hexachlorocyclopentadiene	12.965	237	70727	23.442	ng/ul	91
41) 2,4,6-Trichlorophenol	13.211	196	80906	33.606	ng/ul	96
42) 2,4,5-Trichlorophenol	13.282	196	88569	34.915	ng/ul	92
43) 1,1'-Biphenyl	13.605	154	256682	32.164	ng/ul	99
44) 2-Chloronaphthalene	13.652	162	203080	32.415	ng/ul	97
45) 2-Nitroaniline	13.840	65	65666	35.258	ng/ul	92
47) Dimethylphthalate	14.210	163	298138	32.764	ng/ul	99
48) 2,6-Dinitrotoluene	14.328	165	58565	35.076	ng/ul	92
50) Acenaphthylene	14.492	152	323800	29.638	ng/ul	98
51) 3-Nitroaniline	14.657	138	47106	32.528	ng/ul	96
52) Acenaphthene	14.833	153	233748	32.630	ng/ul	97
53) 2,4-Dinitrophenol	14.862	184	34302	34.934	ng/ul	94
55) 4-Nitrophenol	14.950	109	42122	33.708	ng/ul	91
56) Dibenzofuran	15.162	168	352663	32.252	ng/ul	99
57) 2,4-Dinitrotoluene	15.109	165	88922	35.005	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.385	232	91591	31.885	ng/ul#	93
59) Diethylphthalate	15.562	149	292834	32.768	ng/ul	99
61) Fluorene	15.808	166	273717	31.913	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.791	204	170542	32.606	ng/ul	99
63) 4-Nitroaniline	15.808	138	57465	38.540	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.867	198	61928	34.193	ng/ul	96
67) N-Nitrosodiphenylamine	16.002	169	250229	31.988	ng/ul	96
68) 4-Bromophenyl-phenylether	16.684	248	127681	32.903	ng/ul	96
69) Hexachlorobenzene	16.807	284	152460	32.385	ng/ul	98
70) Atrazine	16.936	200	12737	3.403	ng/ul	99
71) Pentachlorophenol	17.148	266	79591	30.446	ng/ul	94
72) Phenanthrene	17.536	178	524028	32.196	ng/ul	98
74) Anthracene	17.630	178	525212	32.170	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.576	216	142533	32.571	ng/ul	99
76) Pentachlorobenzene	15.086	250	159450	32.072	ng/ul	96
77) Carbazole	17.888	167	443485	33.310	ng/ul	100
78) Di-n-butylphthalate	18.440	149	529656	34.394	ng/ul	99
80) Fluoranthene	19.533	202	691905	32.238	ng/ul	98
82) Pyrene	19.892	202	737852	32.937	ng/ul	99
83) Butylbenzylphthalate	20.761	149	243350	32.894	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.631	252	244159	30.737	ng/ul	100
85) Benzo(a)anthracene	21.725	228	816239	32.639	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.625	149	356416	32.575	ng/ul	97
87) Chrysene	21.789	228	781092	32.269	ng/ul	99
89) Di-n-octyl phthalate	22.841	149	632721	33.864	ng/ul	100
90) Benzo(b)fluoranthene	23.963	252	825273	32.692	ng/ul	99
91) Benzo(k)fluoranthene	24.028	252	840503	32.539	ng/ul	98
93) Benzo(a)pyrene	24.845	252	777777	32.395	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.717	276	1013456	32.856	ng/ul	99
95) Dibenzo(a,h)anthracene	28.775	278	827061	33.237	ng/ul	99
96) Benzo(g,h,i)perylene	29.880	276	788755	31.680	ng/ul	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS719

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170719BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064867.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 11/25/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	27	
117-81-7	Bis(2-ethylhexyl)phthalate	27	

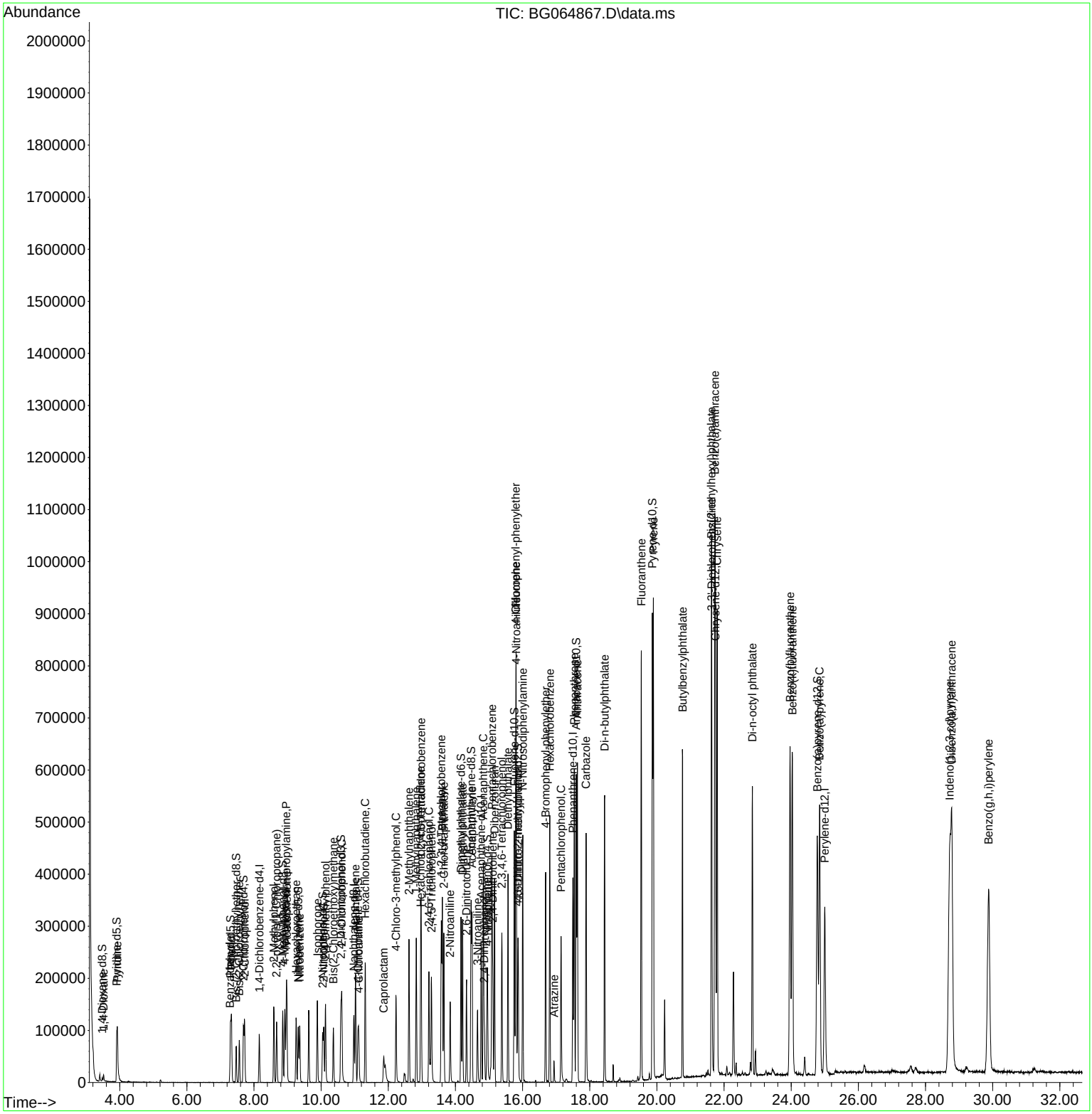
Quantitation Report (QT Reviewed)

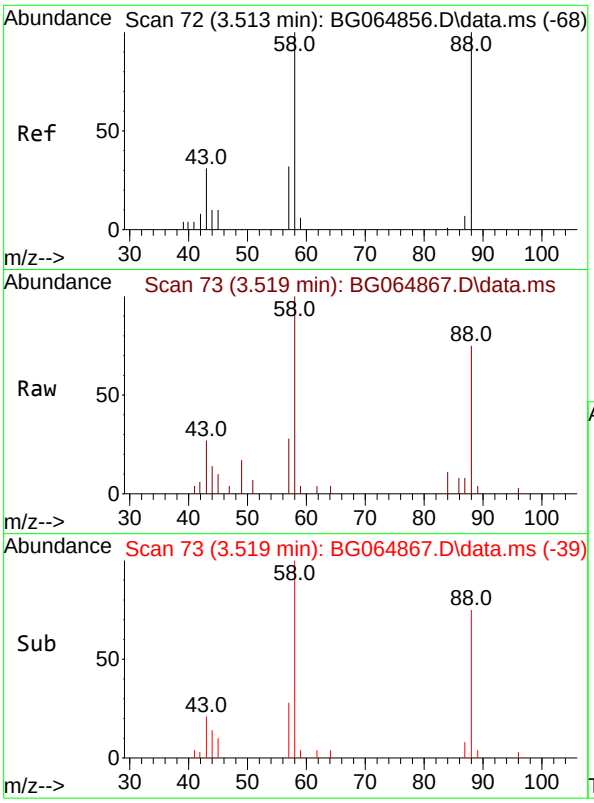
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Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

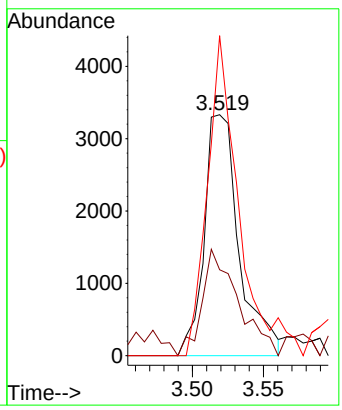




#2
1,4-Dioxane
Concen: 6.997 ng/uL
RT: 3.519 min Scan# 73
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

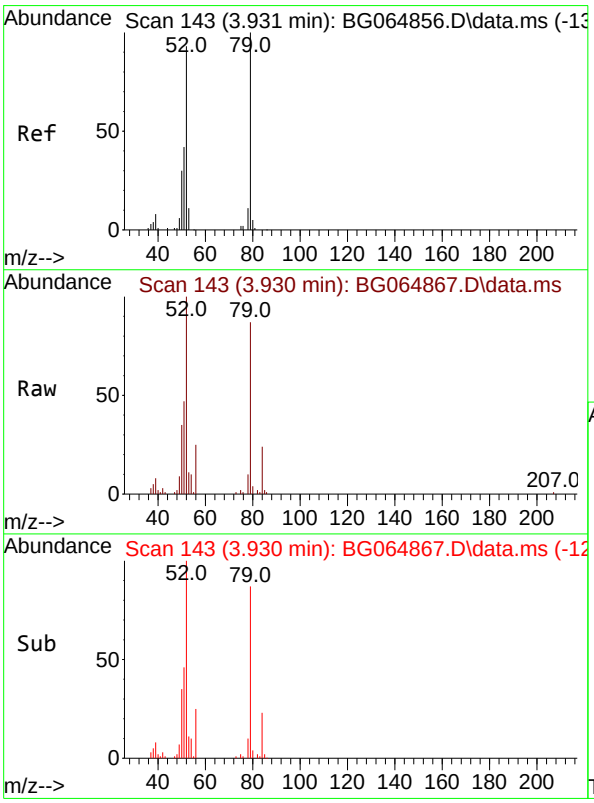
Tgt Ion: 88 Resp: 5697

Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.6	44.4
58	132.8	87.8	131.6#



Instrument :
BNA_G
ClientSampleId :
SLCS719

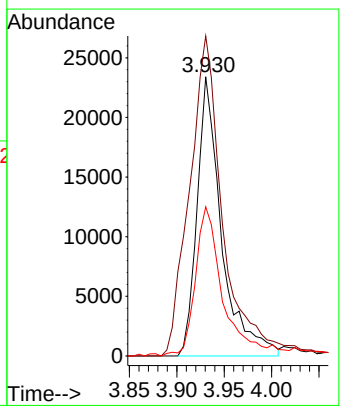
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

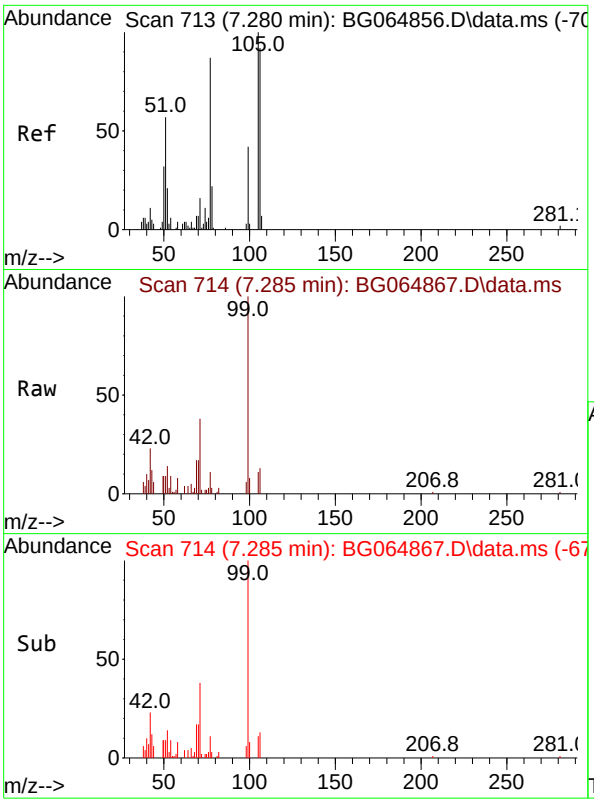


#5
Pyridine
Concen: 19.806 ng/ul
RT: 3.930 min Scan# 143
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion: 79 Resp: 42059

Ion	Ratio	Lower	Upper
79	100		
52	114.6	88.0	132.0
51	53.4	38.2	57.4

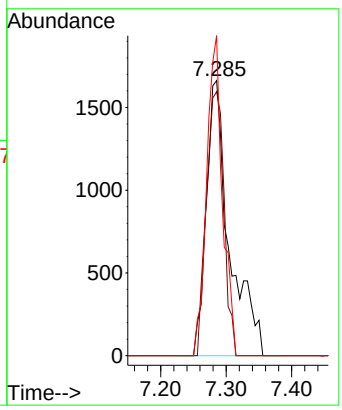




#6
Benzaldehyde
Concen: 3.665 ng/ul m
RT: 7.285 min Scan# 714
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

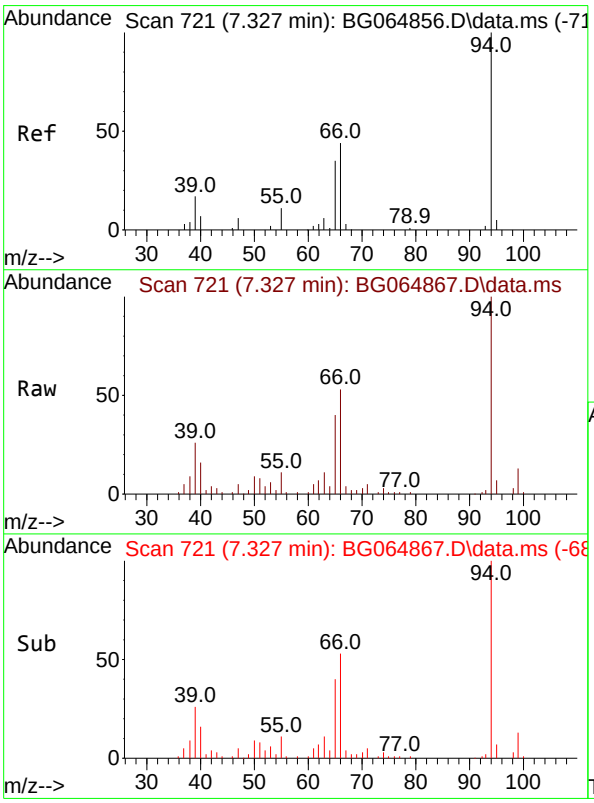
Tgt Ion: 77 Resp: 4049

Ion	Ratio	Lower	Upper
77	100		
105	96.0	75.9	113.9
106	116.4	74.3	111.5#



Instrument :
BNA_G
ClientSampleId :
SLCS719

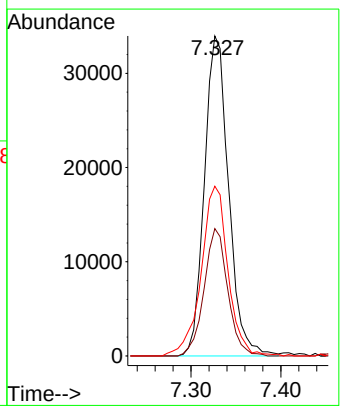
Manual Integrations APPROVED
mohammad
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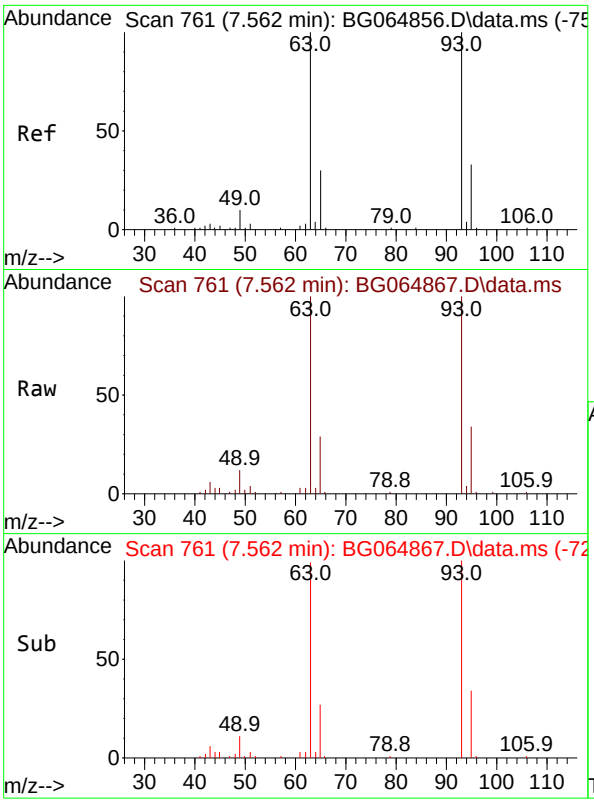


#8
Phenol
Concen: 27.059 ng/ul
RT: 7.327 min Scan# 721
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion: 94 Resp: 63527

Ion	Ratio	Lower	Upper
94	100		
65	39.8	27.5	41.3
66	53.1	38.5	57.7

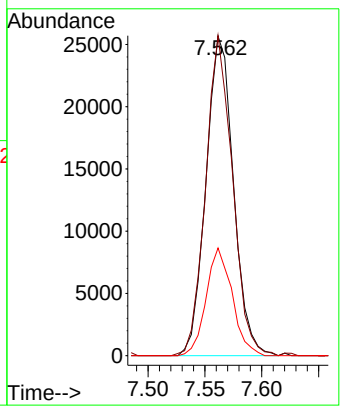


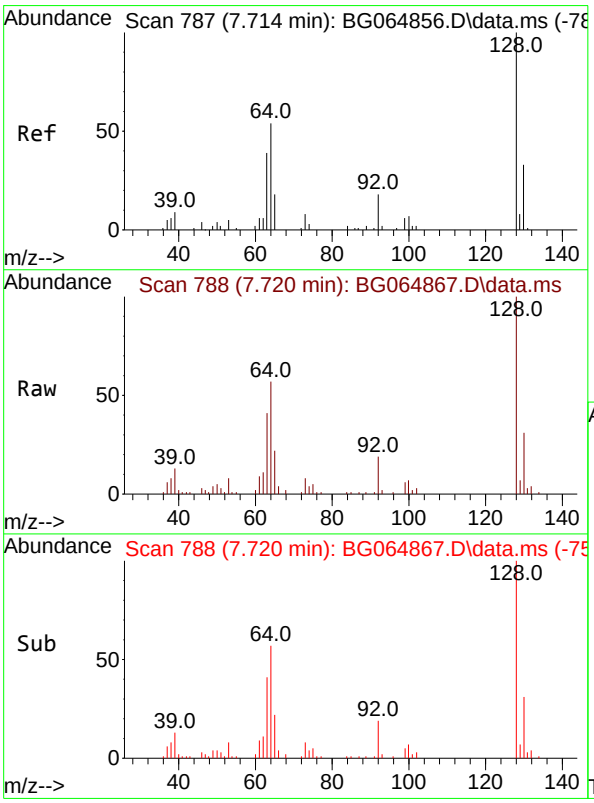


#10
Bis(2-Chloroethyl)ether
Concen: 24.890 ng/ul
RT: 7.562 min Scan# 761
Delta R.T. 0.001 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion: 93 Resp: 43215

Ion	Ratio	Lower	Upper
93	100		
63	100.1	81.4	122.2
95	33.7	27.5	41.3

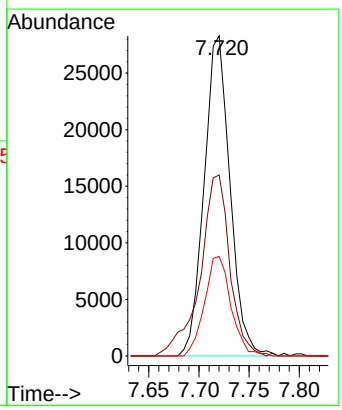




#12
2-Chlorophenol
Concen: 28.164 ng/ul
RT: 7.720 min Scan# 788
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

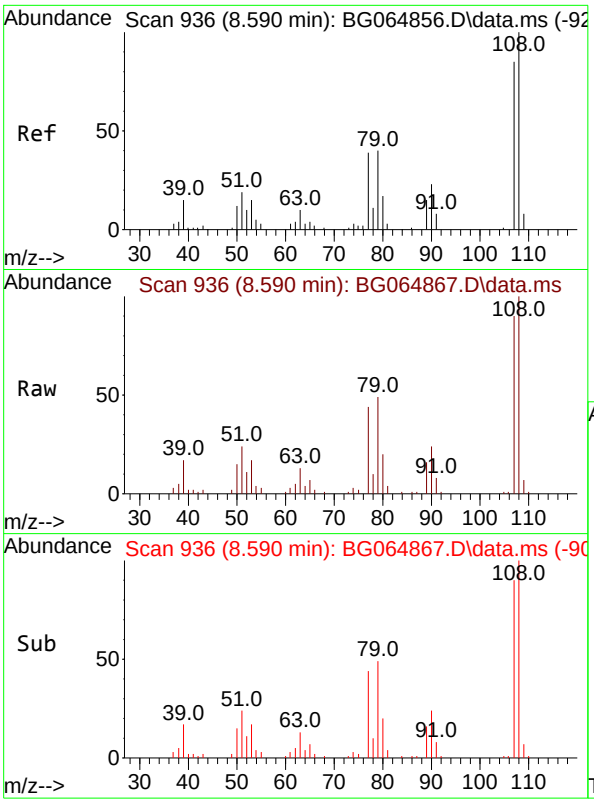
Tgt Ion:128 Resp: 50857

Ion	Ratio	Lower	Upper
128	100		
64	56.5	45.0	67.4
130	31.1	24.3	36.5



Instrument :
BNA_G
ClientSampleId :
SLCS719

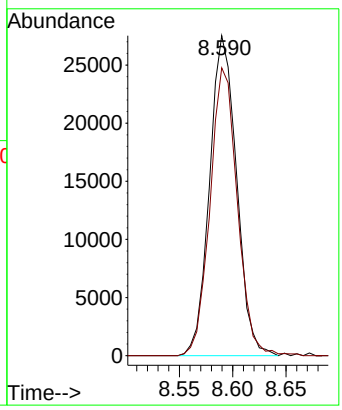
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#13
2-Methylphenol
Concen: 26.022 ng/ul
RT: 8.590 min Scan# 936
Delta R.T. -0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

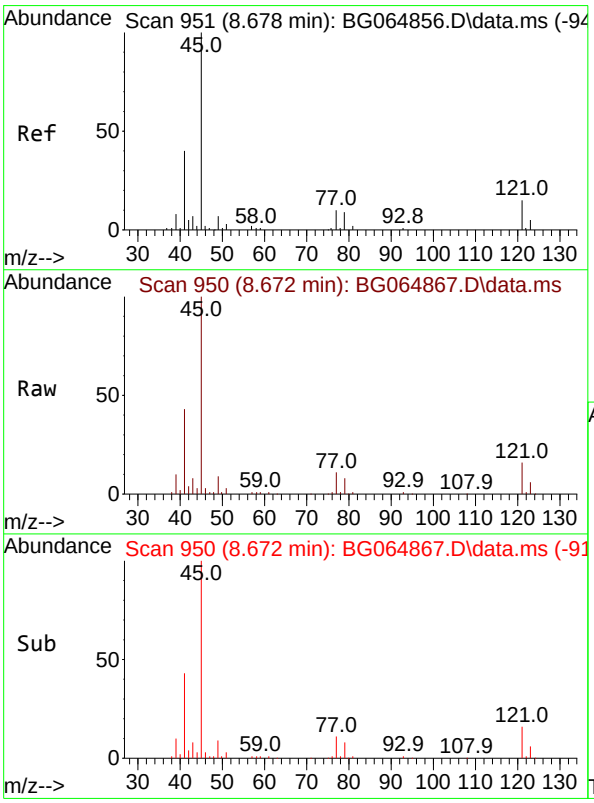
Tgt Ion:108 Resp: 48363

Ion	Ratio	Lower	Upper
108	100		
107	89.9	72.8	109.2



Instrument :
BNA_G
ClientSampleId :
SLCS719

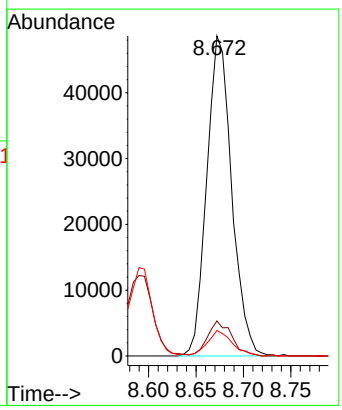
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

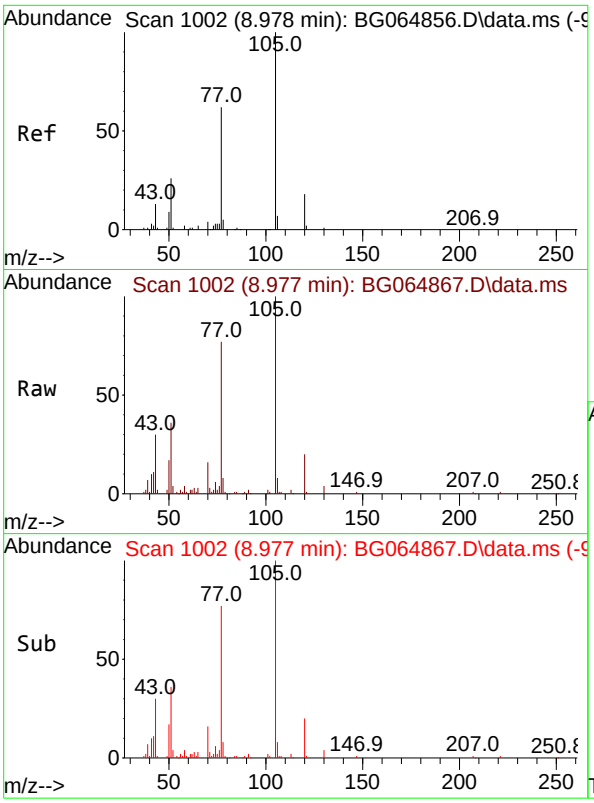


#14
2,2'-oxybis(1-Chloropropane)
Concen: 24.397 ng/ul
RT: 8.672 min Scan# 950
Delta R.T. -0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion: 45 Resp: 88931

Ion	Ratio	Lower	Upper
45	100		
77	10.9	8.6	12.8
79	7.9	6.6	9.8

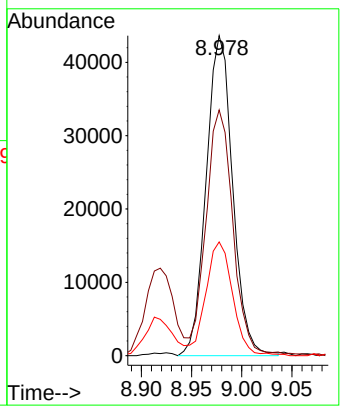




#16
Acetophenone
Concen: 25.146 ng/ul
RT: 8.977 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

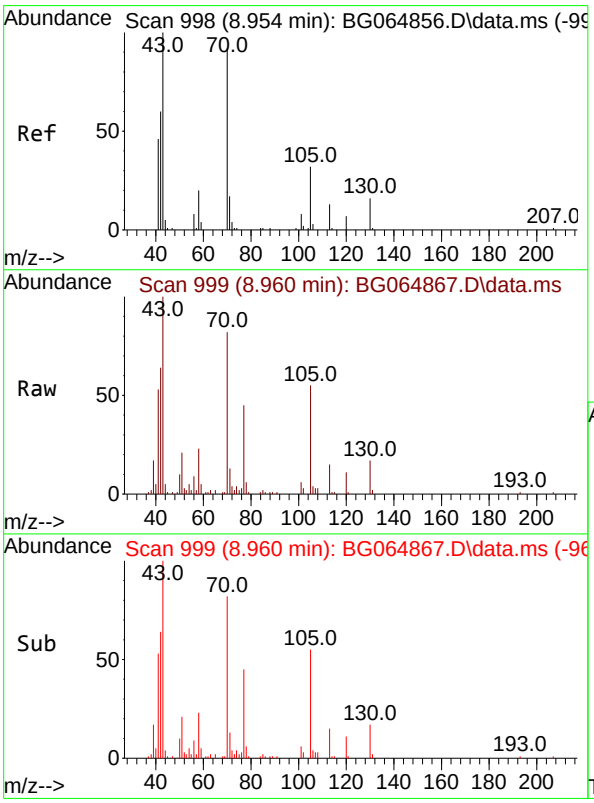
Tgt Ion:105 Resp: 80174

Ion	Ratio	Lower	Upper
105	100		
77	76.8	61.4	92.2
51	35.6	25.6	38.4



Instrument :
BNA_G
ClientSampleId :
SLCS719

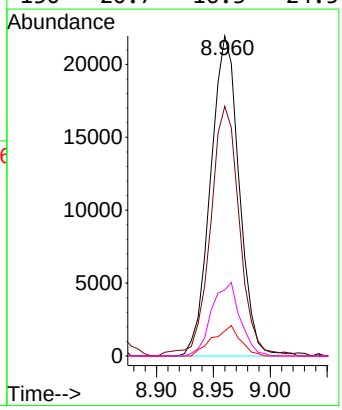
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

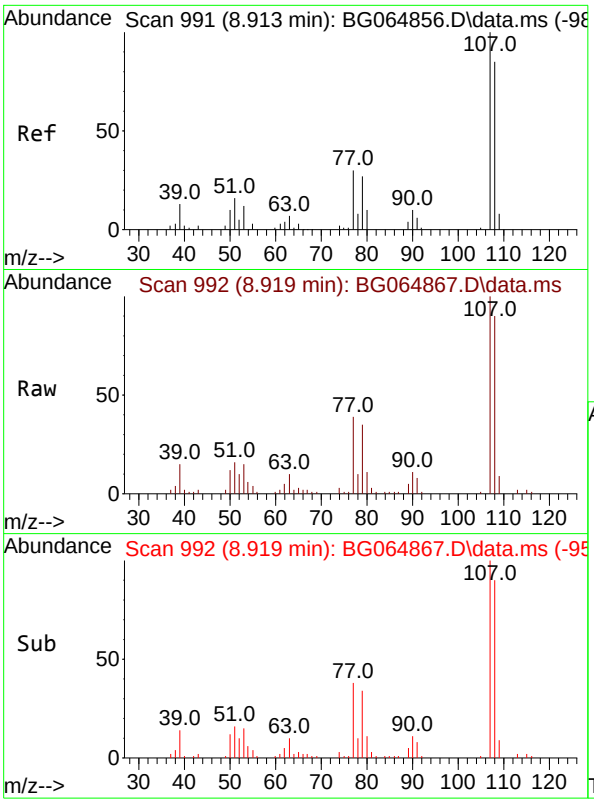


#17
N-Nitroso-di-n-propylamine
Concen: 25.053 ng/ul
RT: 8.960 min Scan# 999
Delta R.T. -0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion: 70 Resp: 38318

Ion	Ratio	Lower	Upper
70	100		
42	78.0	53.0	79.4
101	7.8	8.8	13.2#
130	20.7	16.3	24.5

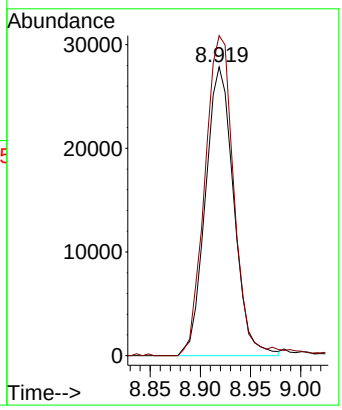




#18
4-Methylphenol
Concen: 26.843 ng/ul
RT: 8.919 min Scan# 992
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

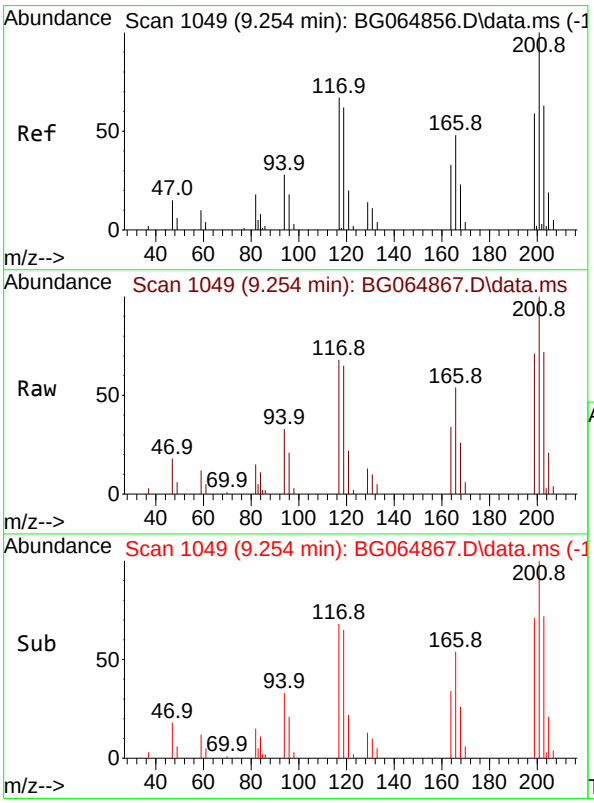
Tgt Ion:108 Resp: 54736

Ion	Ratio	Lower	Upper
108	100		
107	110.8	80.8	121.2



Instrument :
BNA_G
ClientSampleId :
SLCS719

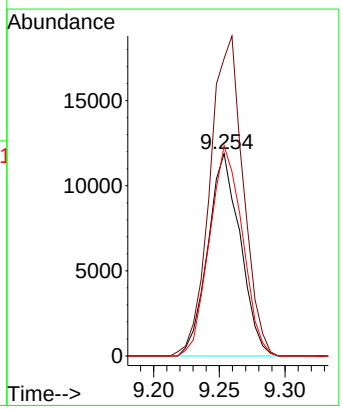
Manual Integrations APPROVED
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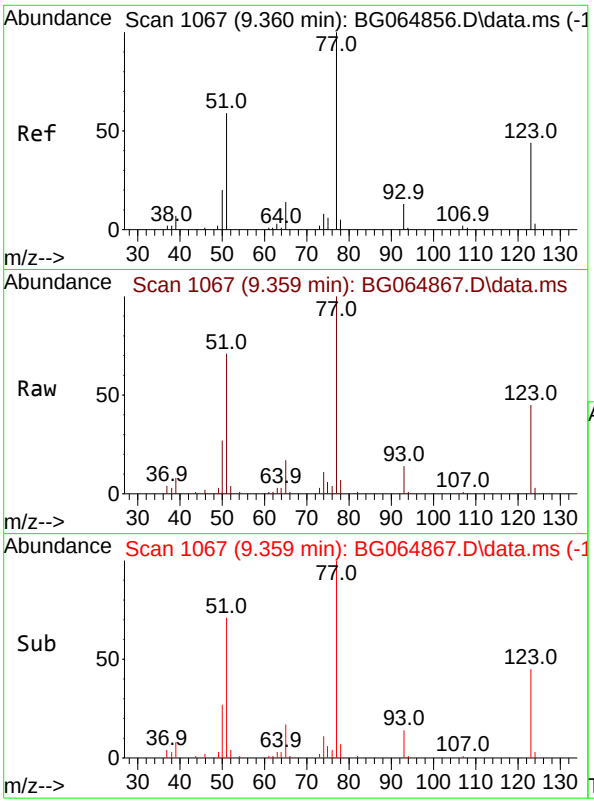


#19
Hexachloroethane
Concen: 25.288 ng/ul
RT: 9.254 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:117 Resp: 20379

Ion	Ratio	Lower	Upper
117	100		
201	147.1	121.7	182.5
199	103.9	81.0	121.4

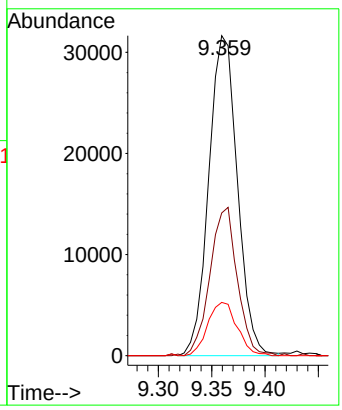




#22
Nitrobenzene
Concen: 28.242 ng/ul
RT: 9.359 min Scan# 1067
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

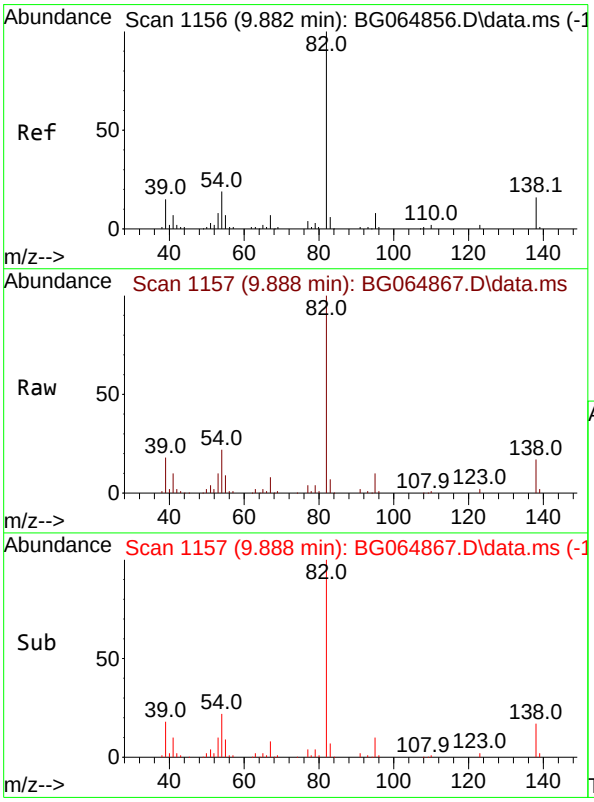
Tgt Ion: 77 Resp: 59052

Ion	Ratio	Lower	Upper
77	100		
123	44.6	35.4	53.0
65	16.7	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SLCS719

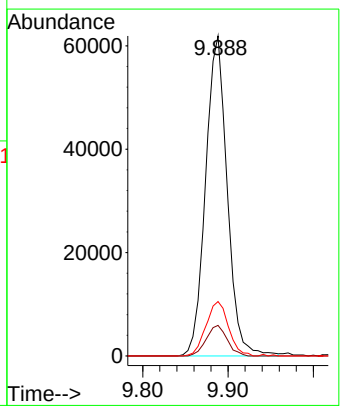
Manual Integrations APPROVED
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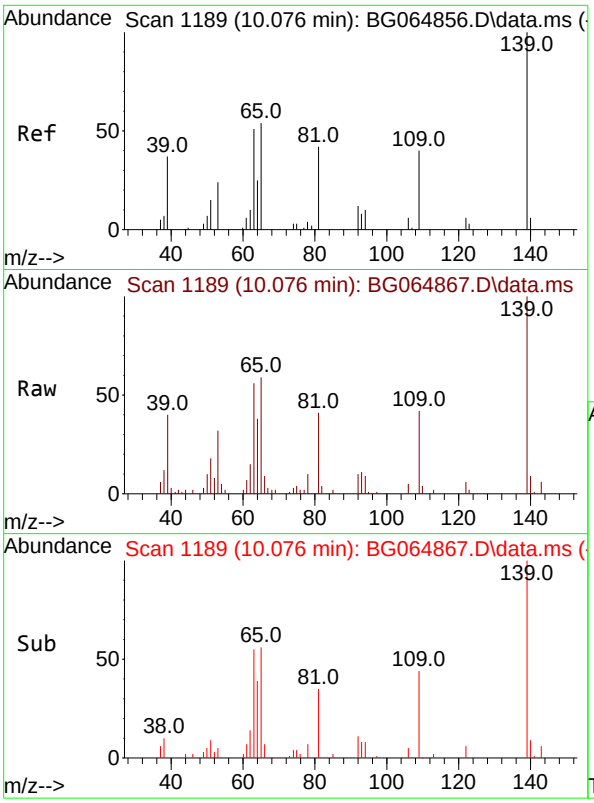


#23
Isophorone
Concen: 26.616 ng/ul
RT: 9.888 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion: 82 Resp: 109021

Ion	Ratio	Lower	Upper
82	100		
95	9.6	6.2	9.2#
138	17.0	12.7	19.1

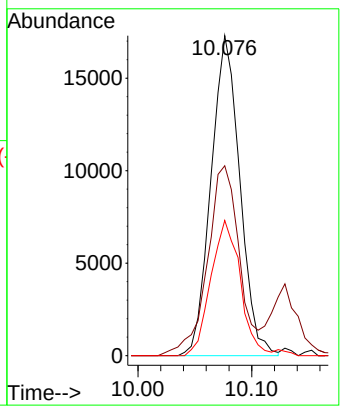




#25
2-Nitrophenol
Concen: 30.026 ng/ul
RT: 10.076 min Scan# 1189
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

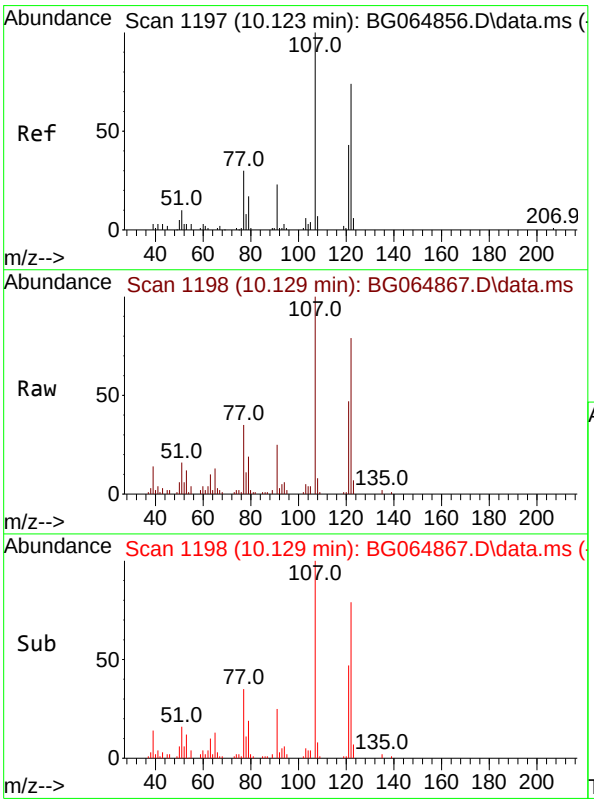
Tgt Ion:139 Resp: 30522

Ion	Ratio	Lower	Upper
139	100		
65	59.4	46.5	69.7
109	42.3	27.0	40.4#



Instrument :
BNA_G
ClientSampleId :
SLCS719

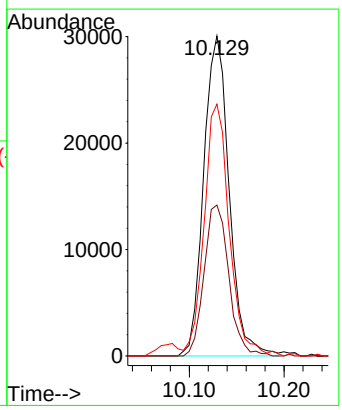
Manual Integrations APPROVED
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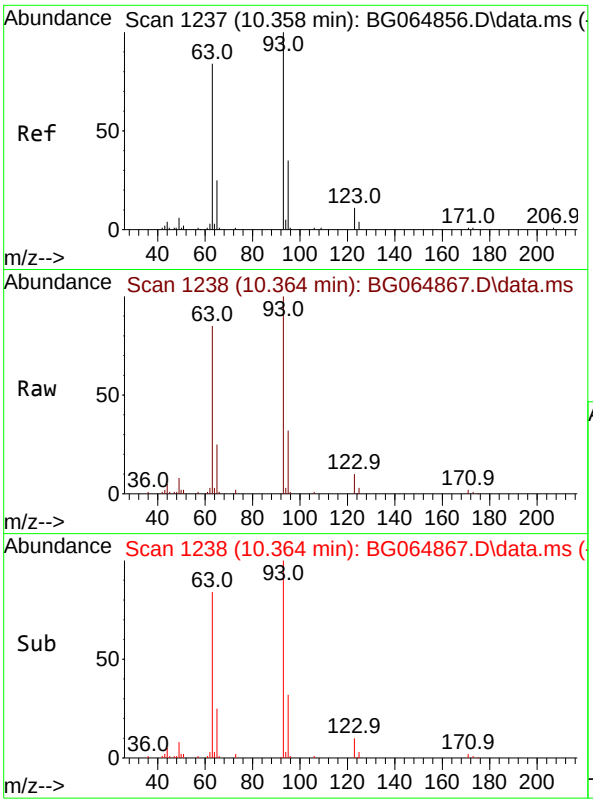


#26
2,4-Dimethylphenol
Concen: 25.559 ng/ul
RT: 10.129 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:107 Resp: 55964

Ion	Ratio	Lower	Upper
107	100		
121	47.2	37.9	56.9
122	78.7	63.1	94.7

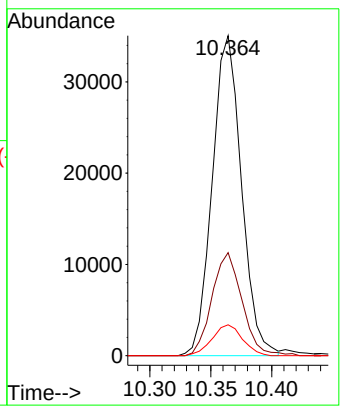


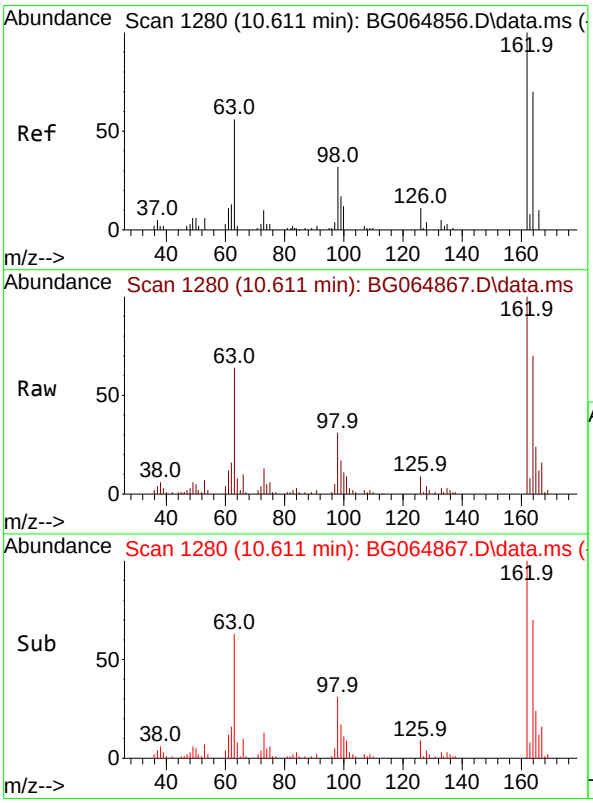


#27
Bis(2-Chloroethoxy)methane
Concen: 25.430 ng/ul
RT: 10.364 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion: 93 Resp: 58418

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.1	37.7
123	9.6	7.0	10.4

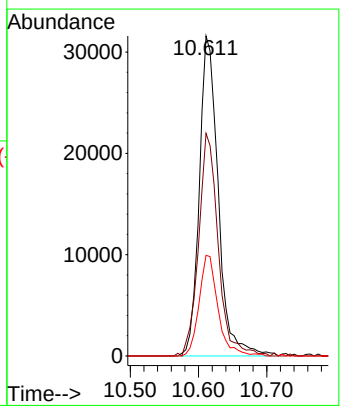




#29
2,4-Dichlorophenol
Concen: 32.851 ng/ul
RT: 10.611 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

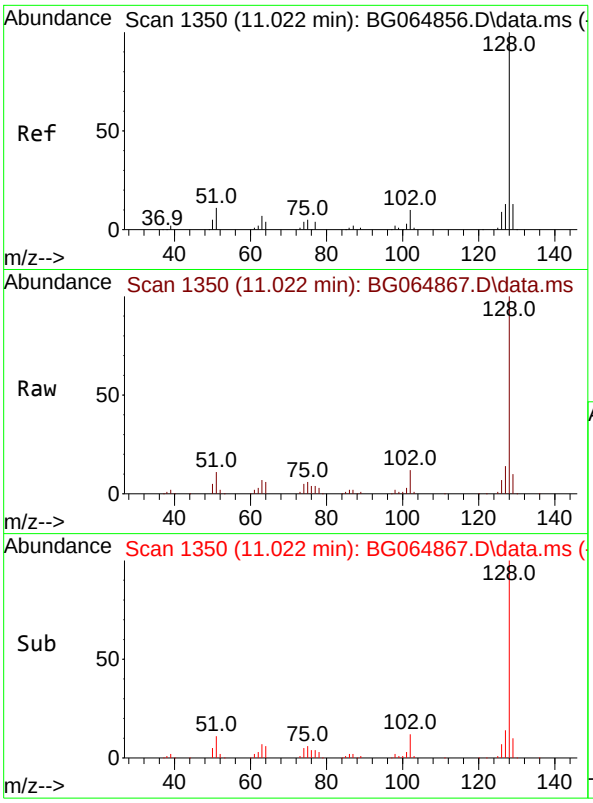
Tgt Ion:162 Resp: 61082

Ion	Ratio	Lower	Upper
162	100		
164	69.6	53.8	80.8
98	31.5	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SLCS719

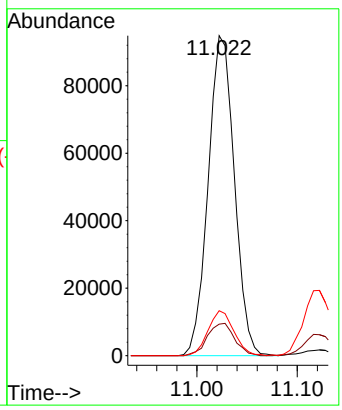
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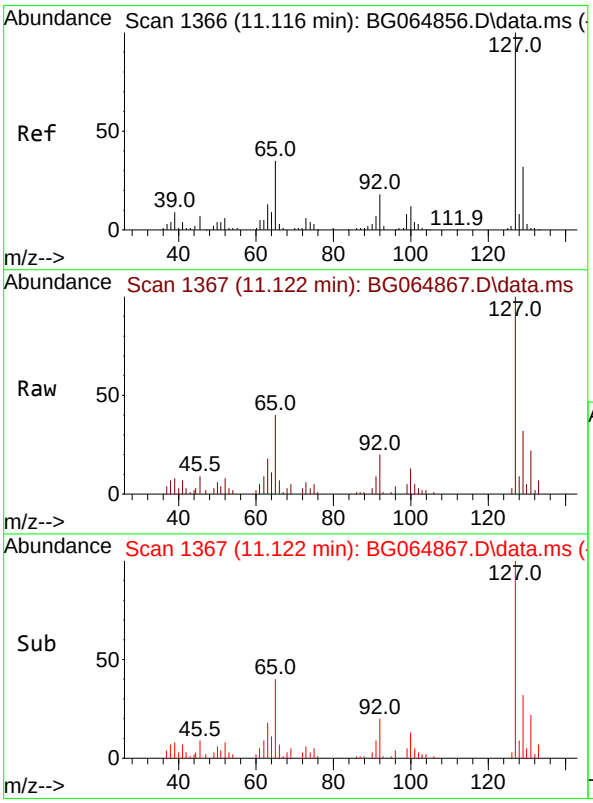


#30
Naphthalene
Concen: 27.747 ng/ul
RT: 11.022 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:128 Resp: 172108

Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.7	13.1
127	14.0	10.0	15.0

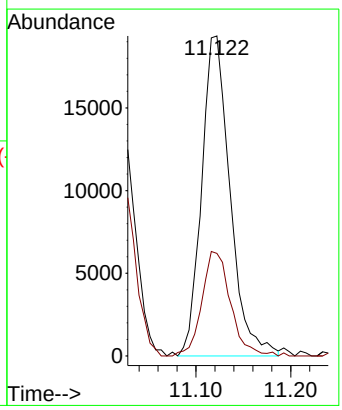




#32
4-Chloroaniline
Concen: 15.558 ng/ul
RT: 11.122 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

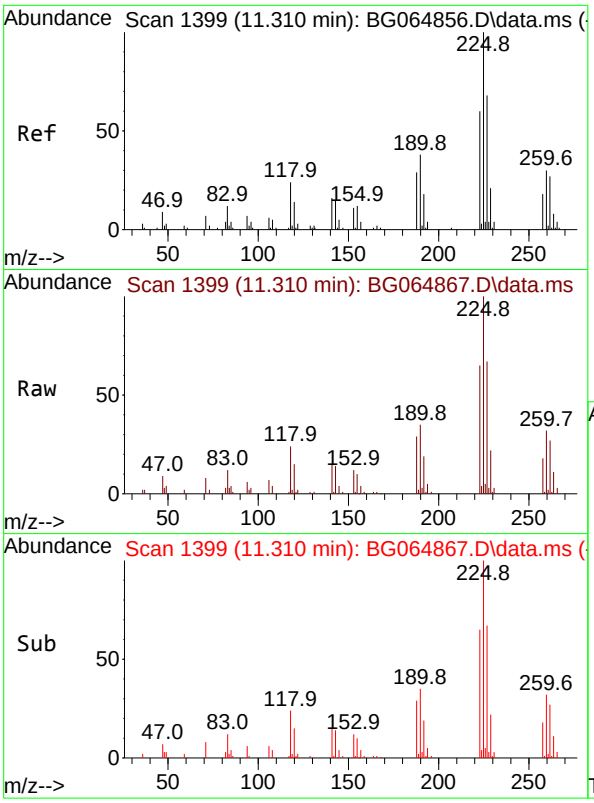
Tgt Ion:127 Resp: 40352

Ion	Ratio	Lower	Upper
127	100		
129	32.0	27.0	40.6



Instrument :
BNA_G
ClientSampleId :
SLCS719

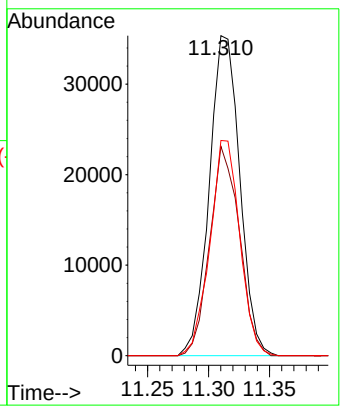
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

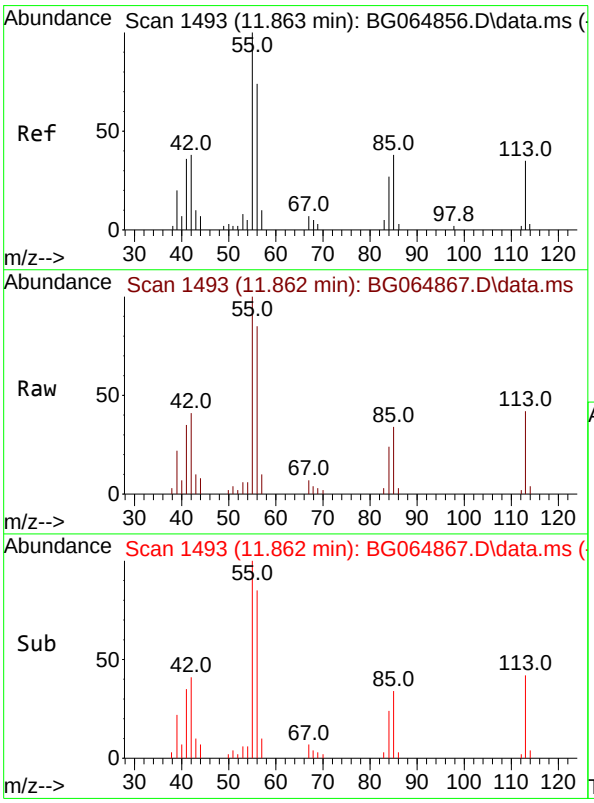


#33
Hexachlorobutadiene
Concen: 31.566 ng/ul
RT: 11.310 min Scan# 1399
Delta R.T. -0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:225 Resp: 61563

Ion	Ratio	Lower	Upper
225	100		
223	65.4	47.0	70.4
227	67.2	49.8	74.8

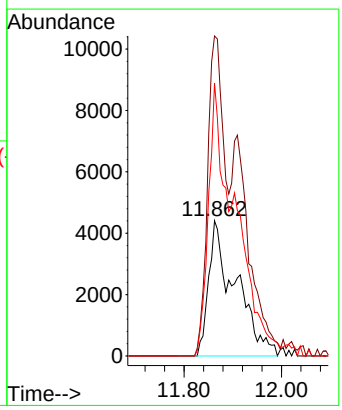




#34
Caprolactam
Concen: 26.231 ng/ul m
RT: 11.862 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

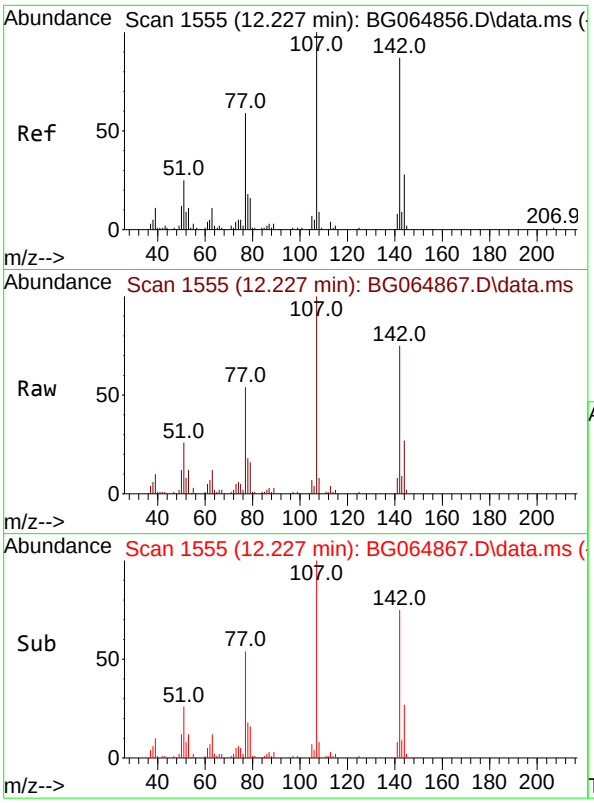
Tgt Ion:113 Resp: 17042

Ion	Ratio	Lower	Upper
113	100		
55	236.6	187.9	281.9
56	201.8	127.5	191.3#



Instrument :
BNA_G
ClientSampleId :
SLCS719

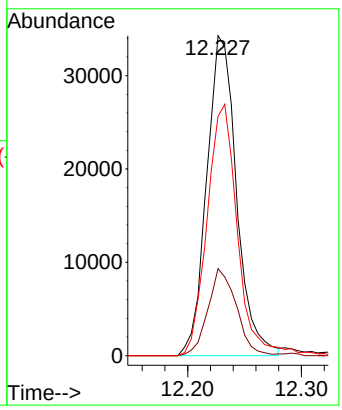
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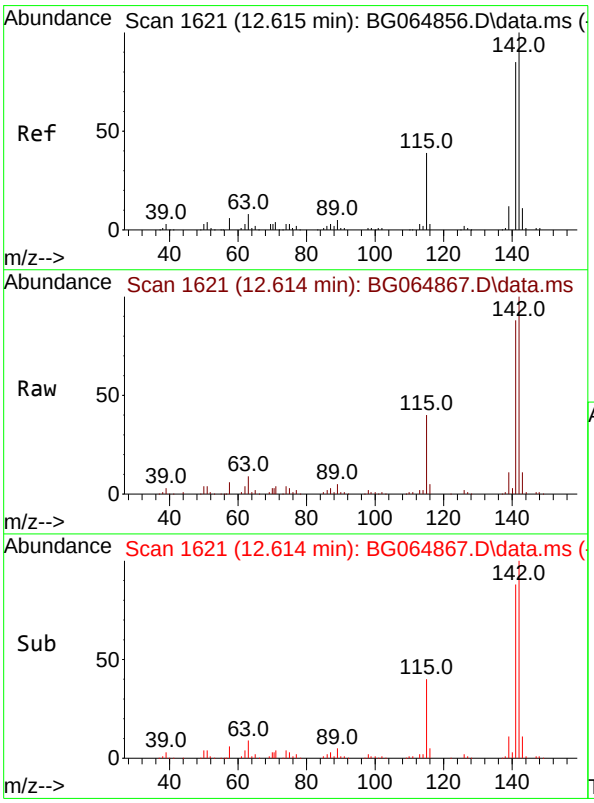


#35
4-Chloro-3-methylphenol
Concen: 30.940 ng/ul
RT: 12.227 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:107 Resp: 62647

Ion	Ratio	Lower	Upper
107	100		
144	27.2	18.6	27.8
142	74.8	66.2	99.2

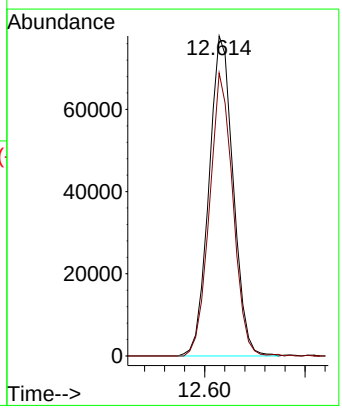




#36
2-Methylnaphthalene
Concen: 28.128 ng/ul
RT: 12.614 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

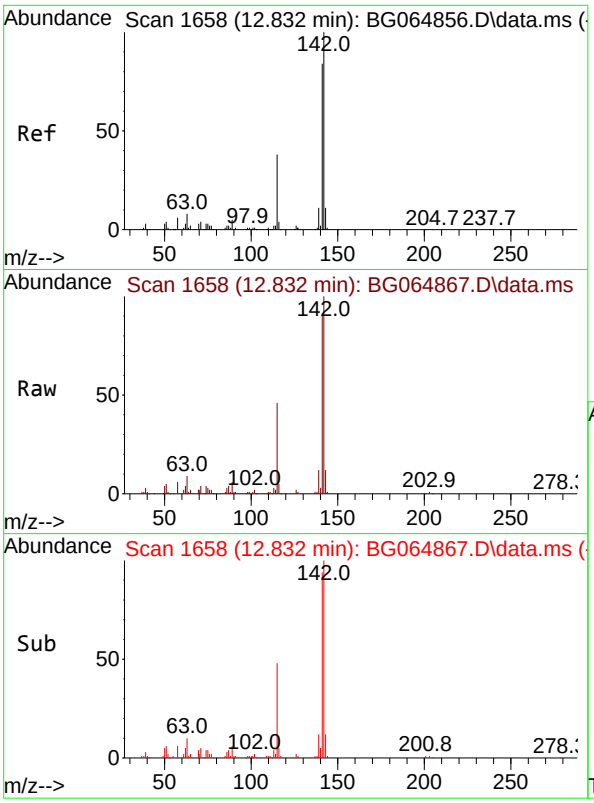
Tgt Ion:142 Resp: 130747

Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.7	104.5



Instrument :
BNA_G
ClientSampleId :
SLCS719

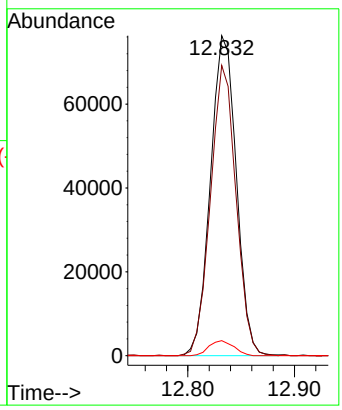
Manual Integrations APPROVED
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#37
1-Methylnaphthalene
Concen: 28.271 ng/ul
RT: 12.832 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

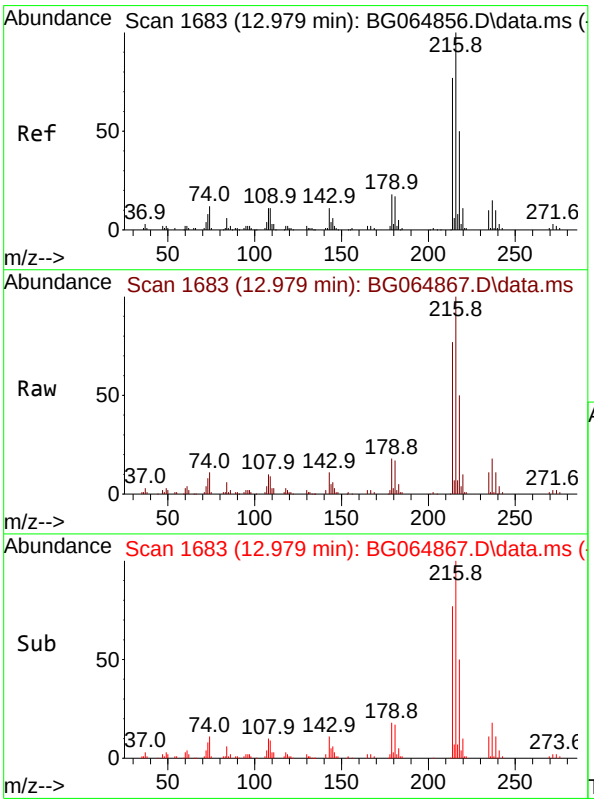
Tgt Ion:142 Resp: 128624

Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.3	105.5
116	4.7	3.2	4.8



Instrument :
BNA_G
ClientSampleId :
SLCS719

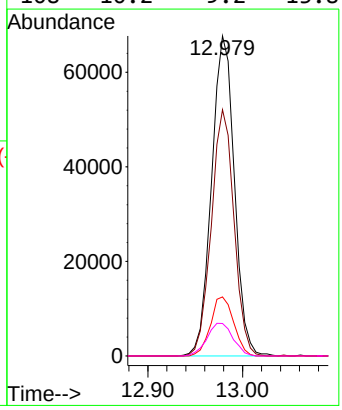
Manual Integrations APPROVED
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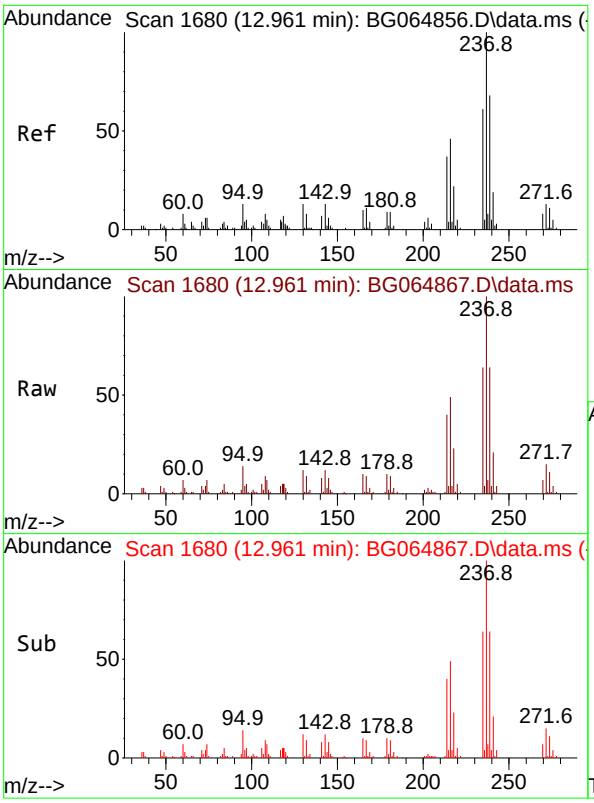


#39
1,2,4,5-Tetrachlorobenzene
Concen: 28.988 ng/ul
RT: 12.979 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:216 Resp: 113082

Ion	Ratio	Lower	Upper
216	100		
214	77.0	63.5	95.3
179	18.5	14.7	22.1
108	10.2	9.2	13.8

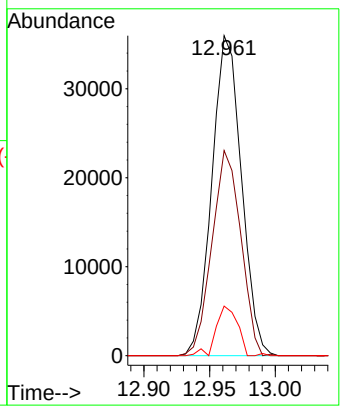


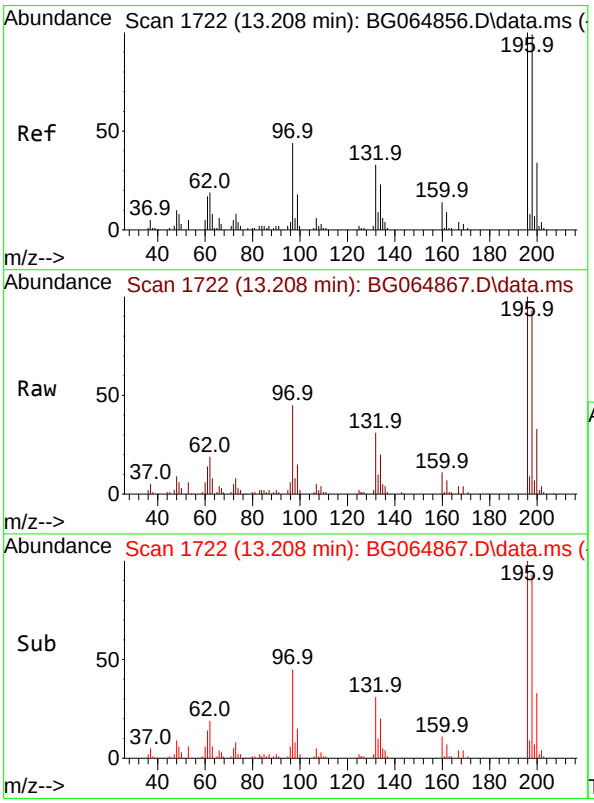


#40
Hexachlorocyclopentadiene
Concen: 20.856 ng/ul
RT: 12.961 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:237 Resp: 56365

Ion	Ratio	Lower	Upper
237	100		
235	64.0	45.7	68.5
272	14.5	10.7	16.1

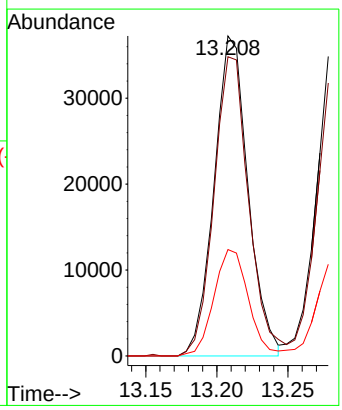




#41
2,4,6-Trichlorophenol
Concen: 28.706 ng/ul
RT: 13.208 min Scan# 1722
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

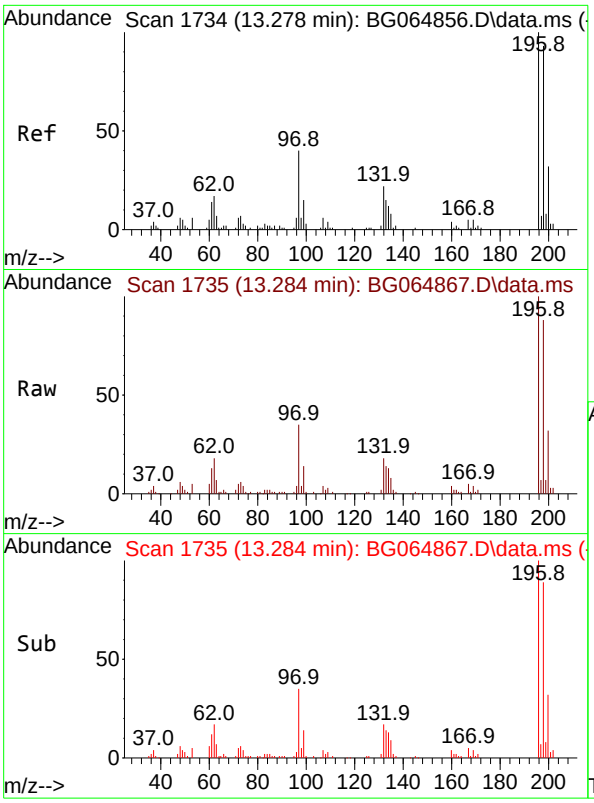
Tgt Ion:196 Resp: 61902

Ion	Ratio	Lower	Upper
196	100		
198	93.5	79.5	119.3
200	33.2	28.1	42.1



Instrument :
BNA_G
ClientSampleId :
SLCS719

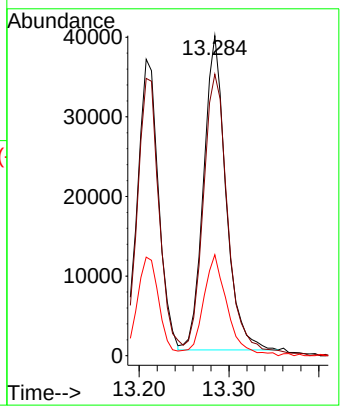
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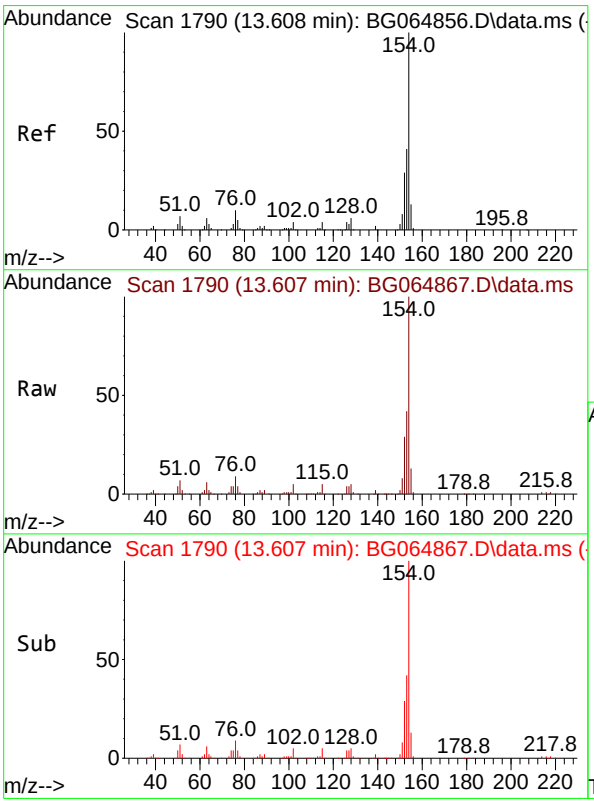


#42
2,4,5-Trichlorophenol
Concen: 30.000 ng/ul
RT: 13.284 min Scan# 1735
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:196 Resp: 68166

Ion	Ratio	Lower	Upper
196	100		
198	88.0	72.1	108.1
200	31.5	26.0	39.0

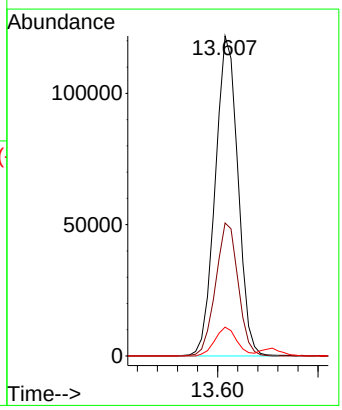




#43
1,1'-Biphenyl
Concen: 26.732 ng/ul
RT: 13.607 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

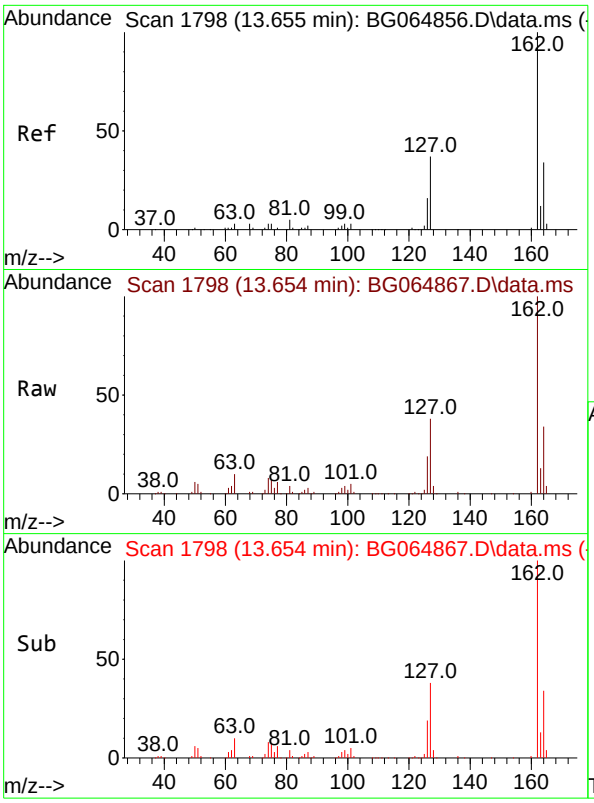
Tgt Ion:154 Resp: 191084

Ion	Ratio	Lower	Upper
154	100		
153	41.5	33.0	49.4
76	9.0	8.7	13.1



Instrument :
BNA_G
ClientSampleId :
SLCS719

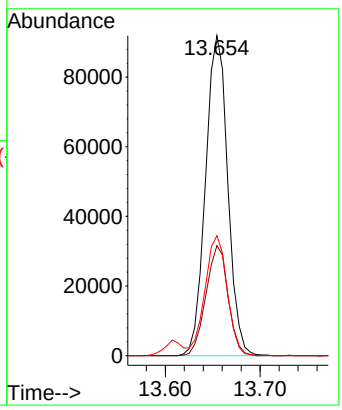
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#44
2-Chloronaphthalene
Concen: 26.575 ng/ul
RT: 13.654 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

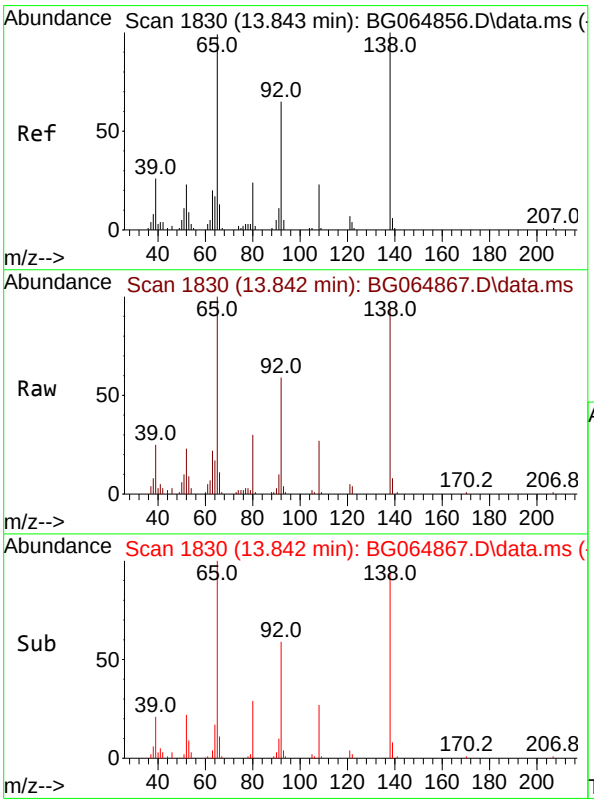
Tgt Ion:162 Resp: 149129

Ion	Ratio	Lower	Upper
162	100		
164	34.4	26.9	40.3
127	37.5	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SLCS719

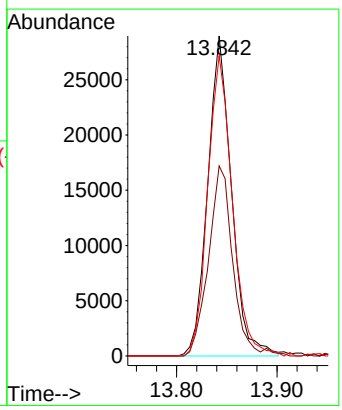
Manual Integrations APPROVED
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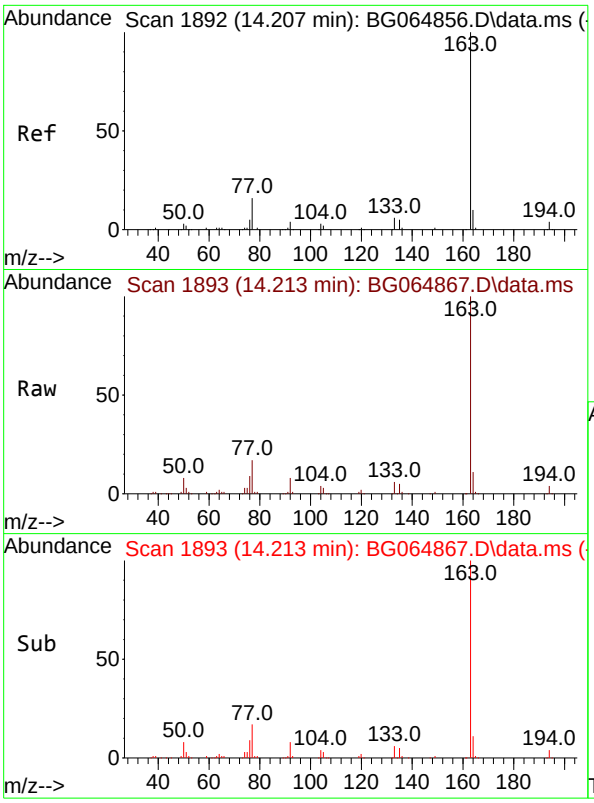


#45
2-Nitroaniline
Concen: 28.536 ng/ul
RT: 13.842 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion: 65 Resp: 47605

Ion	Ratio	Lower	Upper
65	100		
92	59.4	45.2	67.8
138	93.8	78.6	117.8

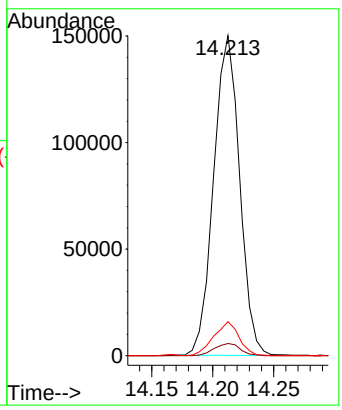


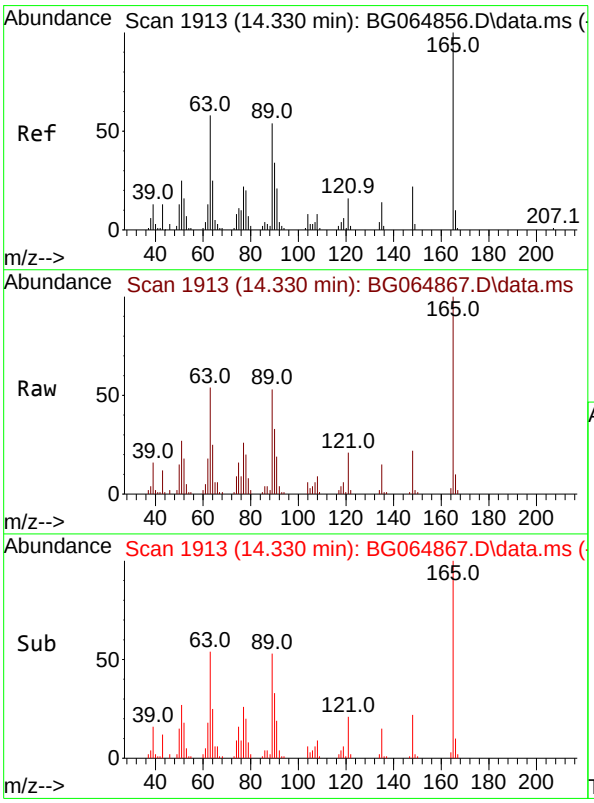


#47
Dimethylphthalate
Concen: 27.266 ng/ul
RT: 14.213 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:163 Resp: 222230

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.7	7.9	11.9

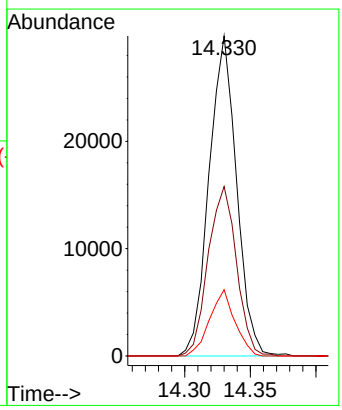




#48
2,6-Dinitrotoluene
Concen: 29.053 ng/ul
RT: 14.330 min Scan# 1913
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

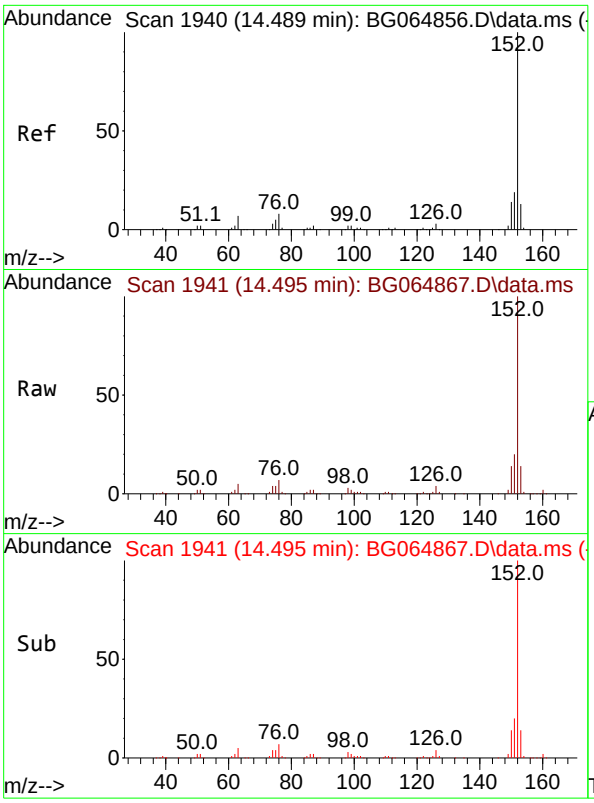
Tgt Ion:165 Resp: 43450

Ion	Ratio	Lower	Upper
165	100		
89	53.0	39.9	59.9
121	20.7	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SLCS719

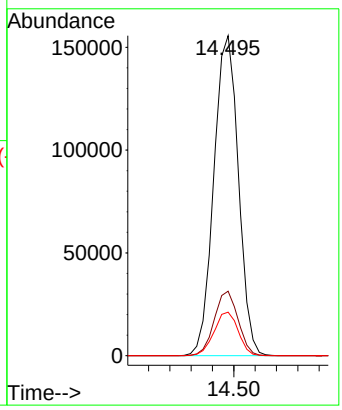
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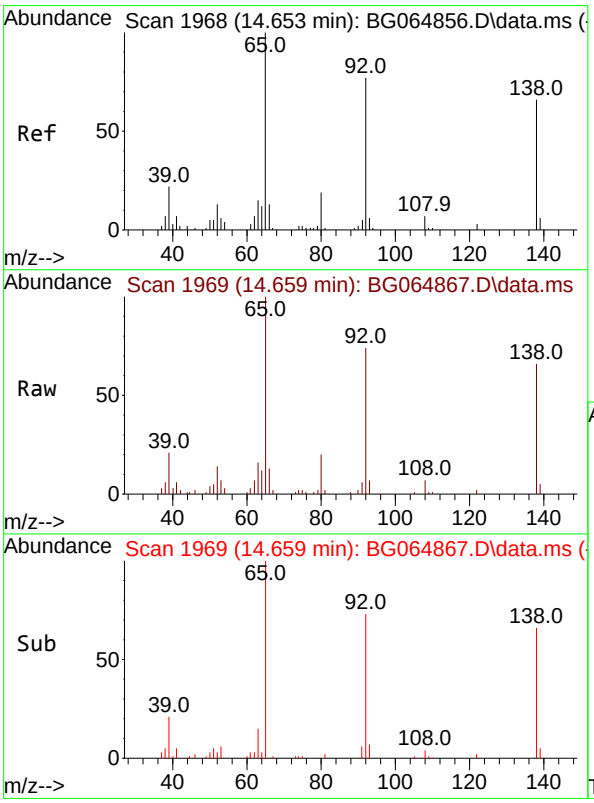


#50
Acenaphthylene
Concen: 25.434 ng/ul
RT: 14.495 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:152 Resp: 248893

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.1	22.7
153	13.6	9.7	14.5

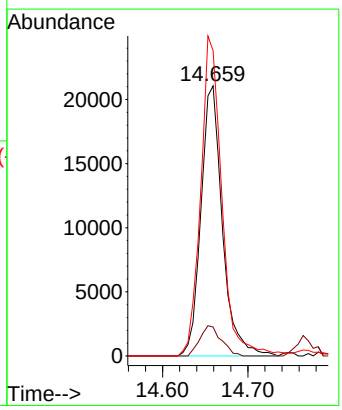




#51
3-Nitroaniline
Concen: 28.421 ng/ul
RT: 14.659 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

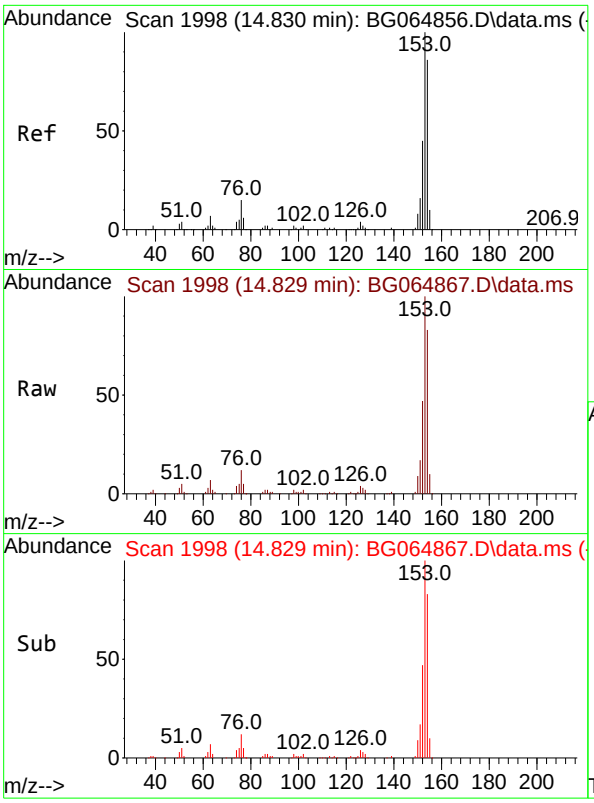
Tgt Ion:138 Resp: 36866

Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.8	14.8
92	113.0	91.4	137.2



Instrument :
BNA_G
ClientSampleId :
SLCS719

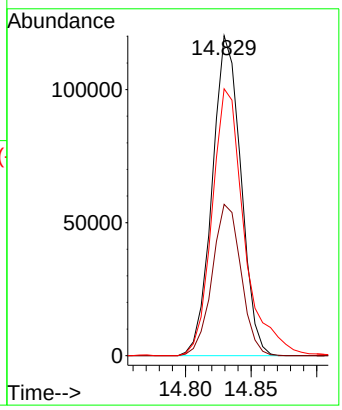
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#52
Acenaphthene
Concen: 28.402 ng/ul
RT: 14.829 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

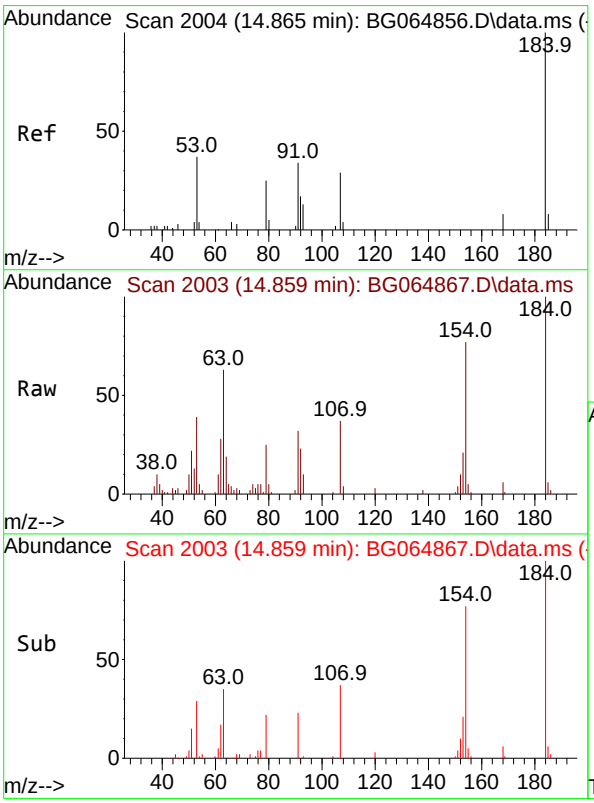
Tgt Ion:153 Resp: 182244

Ion	Ratio	Lower	Upper
153	100		
152	47.3	37.8	56.8
154	83.4	68.2	102.2



Instrument :
BNA_G
ClientSampleId :
SLCS719

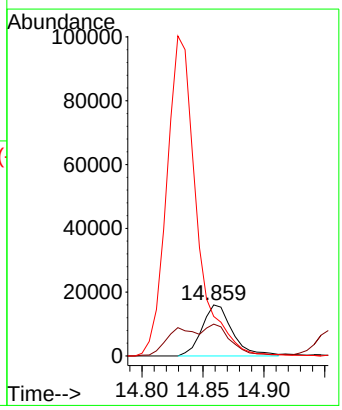
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

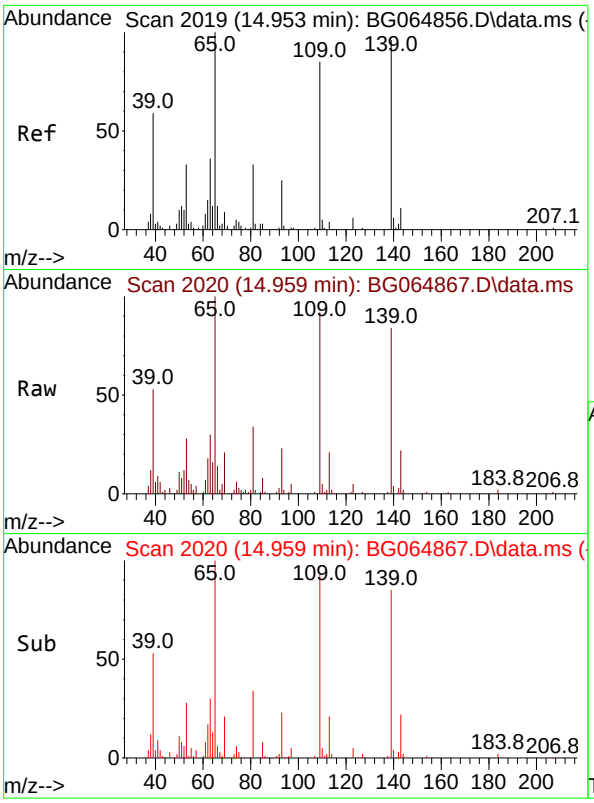


#53
2,4-Dinitrophenol
Concen: 31.565 ng/ul
RT: 14.859 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:184 Resp: 27762

Ion	Ratio	Lower	Upper
184	100		
63	62.6	41.1	61.7#
154	77.4	55.4	83.0

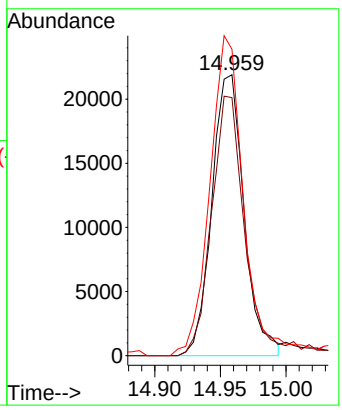


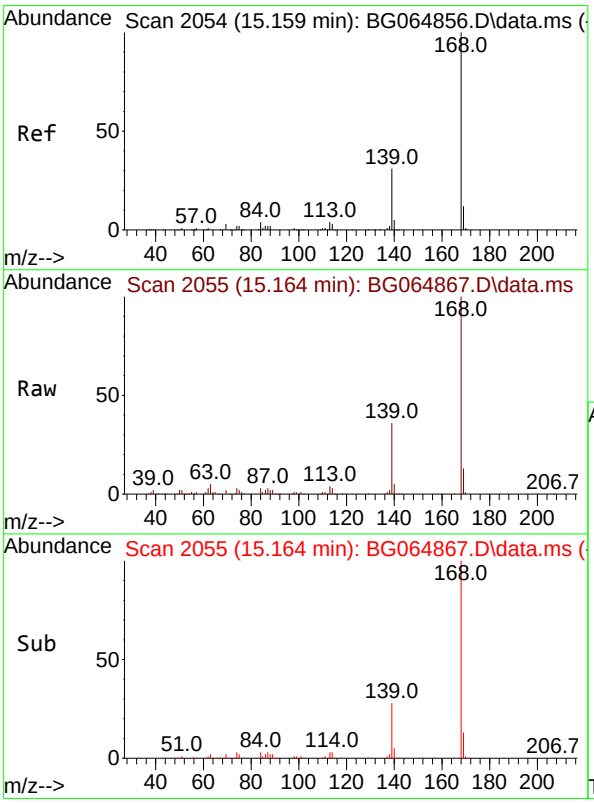


#55
4-Nitrophenol
Concen: 33.289 ng/ul
RT: 14.959 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:109 Resp: 37261

Ion	Ratio	Lower	Upper
109	100		
139	91.9	88.6	132.8
65	109.1	94.2	141.4

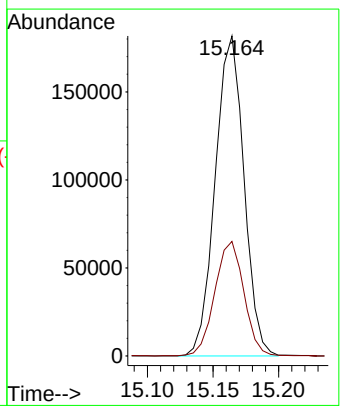




#56
Dibenzofuran
Concen: 28.239 ng/ul
RT: 15.164 min Scan# 2055
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

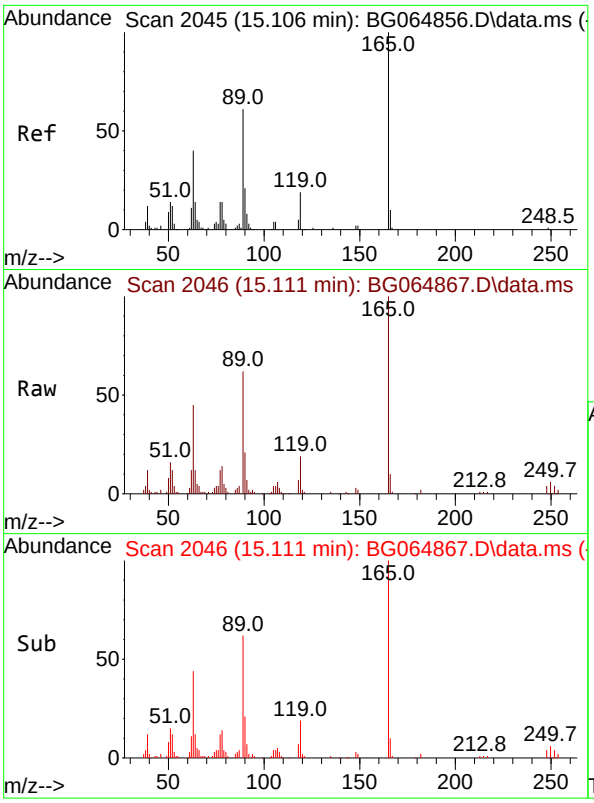
Tgt Ion:168 Resp: 276577

Ion	Ratio	Lower	Upper
168	100		
139	35.8	28.2	42.4



Instrument :
BNA_G
ClientSampleId :
SLCS719

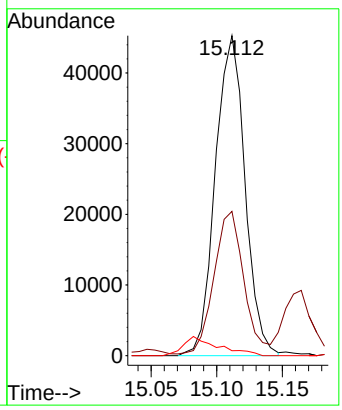
Manual Integrations APPROVED
mohammad
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#57
2,4-Dinitrotoluene
Concen: 31.275 ng/ul
RT: 15.111 min Scan# 2046
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

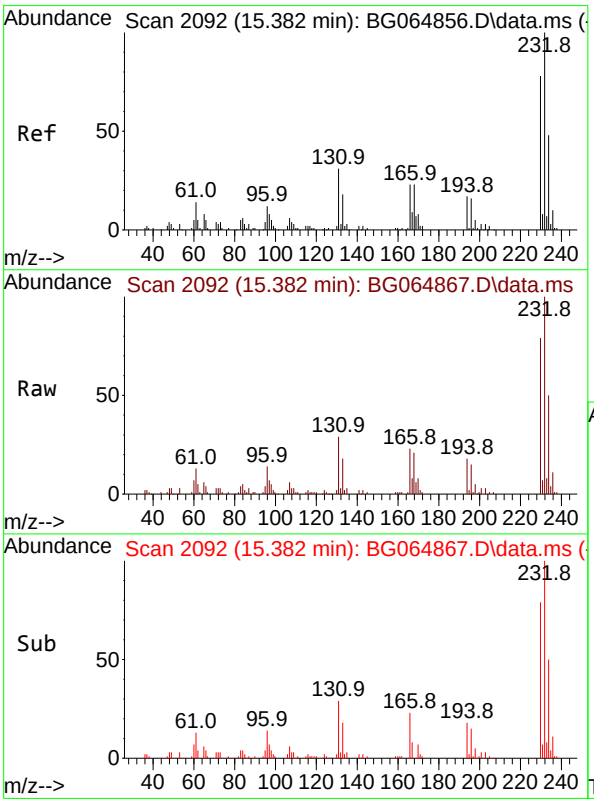
Tgt Ion:165 Resp: 71163

Ion	Ratio	Lower	Upper
165	100		
63	45.1	35.5	53.3
182	1.6	2.0	3.0#



Instrument :
BNA_G
ClientSampleId :
SLCS719

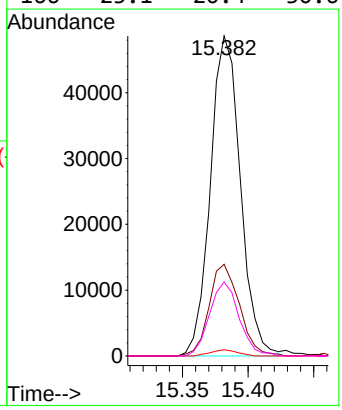
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

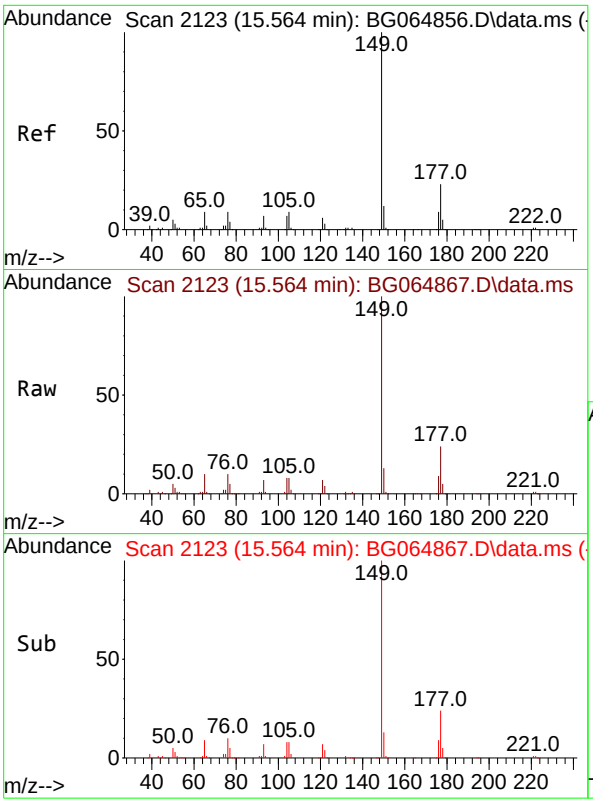


#58
2,3,4,6-Tetrachlorophenol
Concen: 30.004 ng/ul
RT: 15.382 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:232 Resp: 77200

Ion	Ratio	Lower	Upper
232	100		
131	28.7	24.9	37.3
130	2.0	1.4	2.0
166	23.1	20.4	30.6

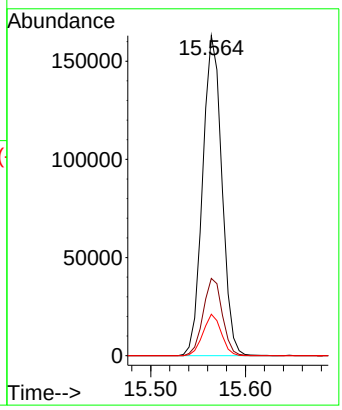


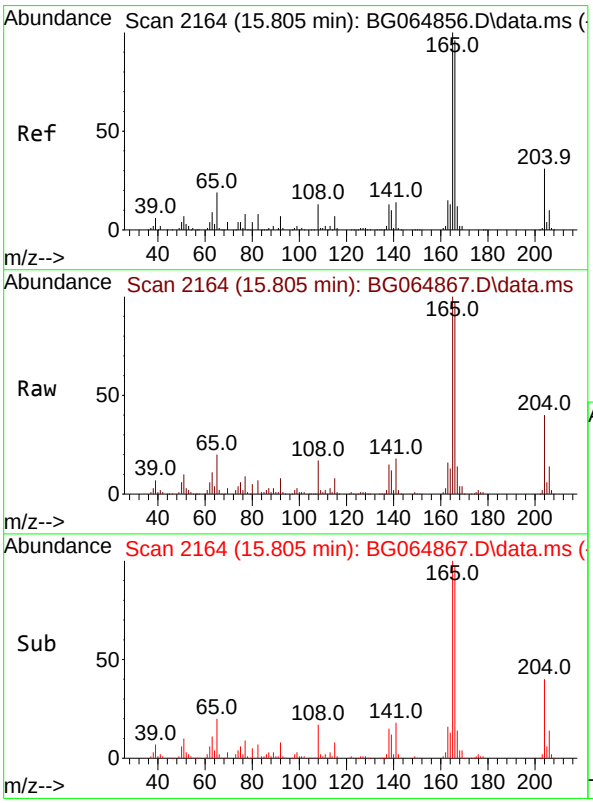


#59
Diethylphthalate
Concen: 28.628 ng/ul
RT: 15.564 min Scan# 2123
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:149 Resp: 229161

Ion	Ratio	Lower	Upper
149	100		
177	24.1	18.7	28.1
150	13.0	9.9	14.9

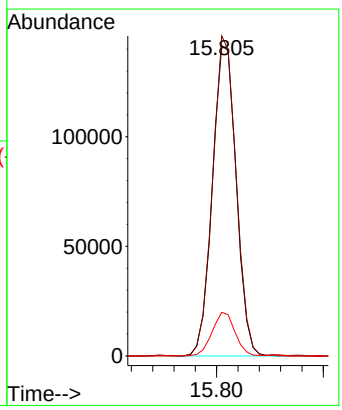




#61
Fluorene
Concen: 28.633 ng/ul
RT: 15.805 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

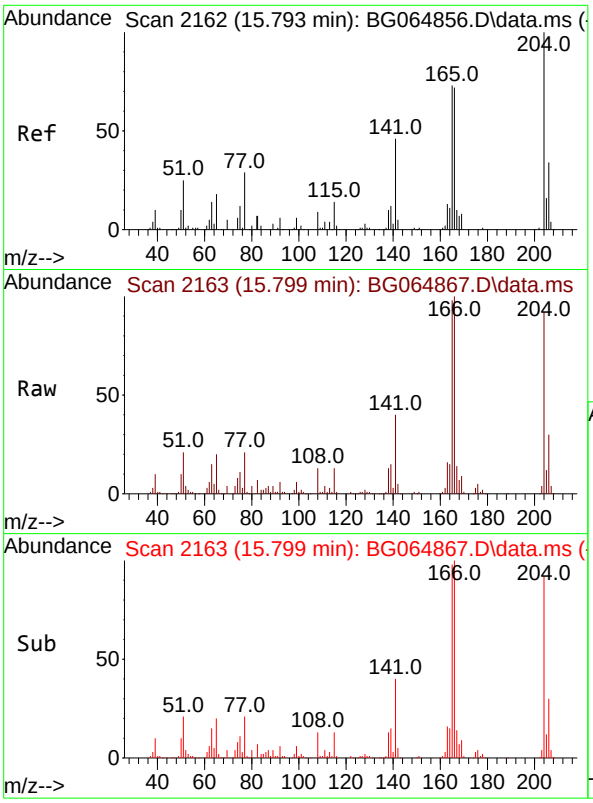
Tgt Ion:166 Resp: 219975

Ion	Ratio	Lower	Upper
166	100		
165	103.1	83.0	124.6
167	14.1	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SLCS719

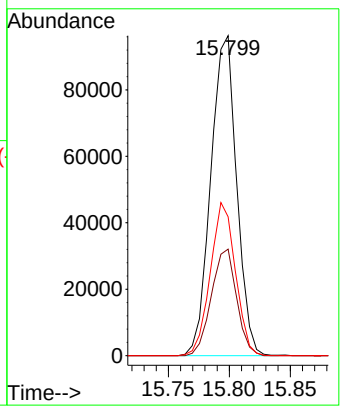
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

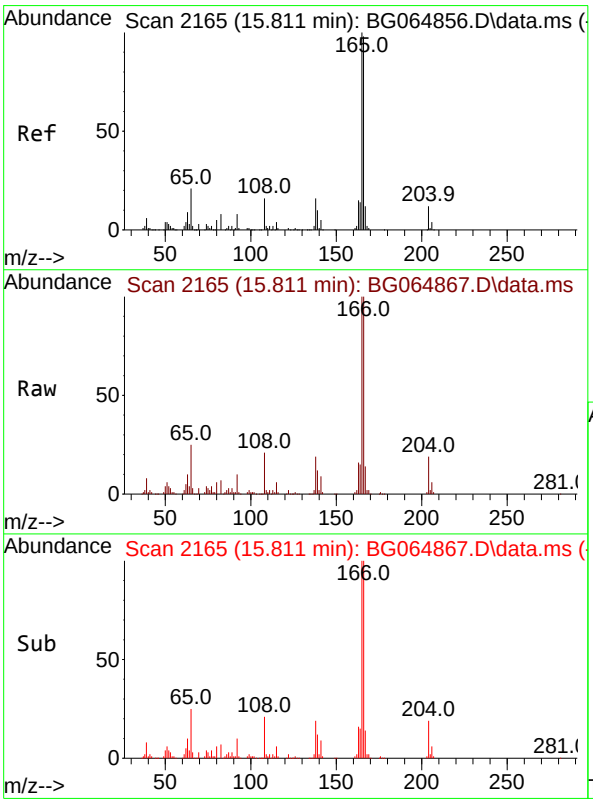


#62
4-Chlorophenyl-phenylether
Concen: 30.380 ng/ul
RT: 15.799 min Scan# 2163
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:204 Resp: 142332

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.1	39.1
141	43.4	36.8	55.2

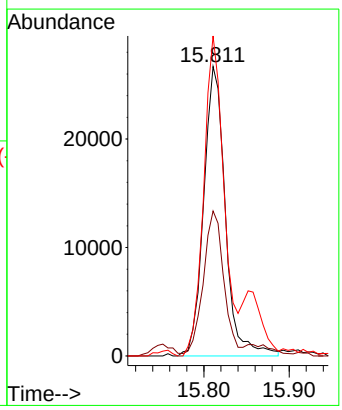




#63
4-Nitroaniline
Concen: 35.211 ng/ul
RT: 15.811 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

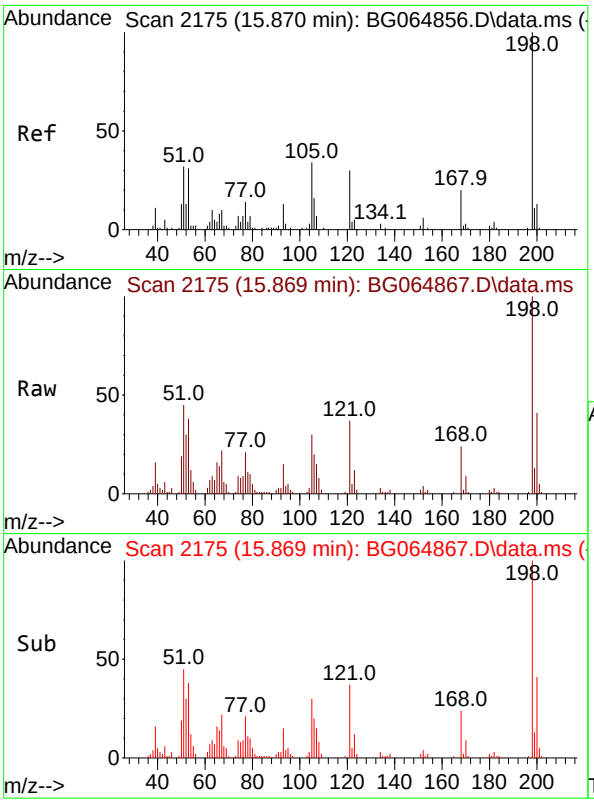
Tgt Ion:138 Resp: 47027

Ion	Ratio	Lower	Upper
138	100		
92	50.1	39.3	58.9
108	110.6	73.8	110.8



Instrument :
BNA_G
ClientSampleId :
SLCS719

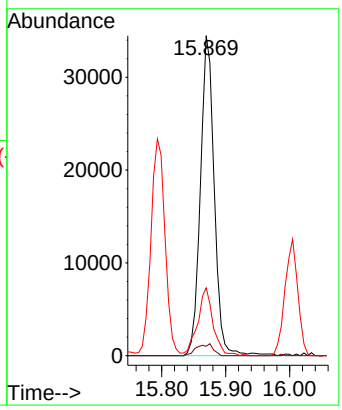
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

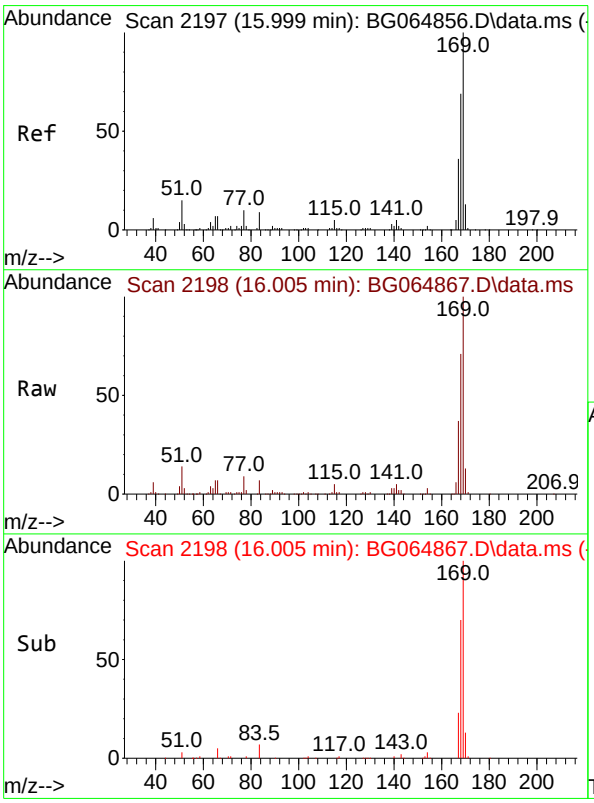


#66
4,6-Dinitro-2-methylphenol
Concen: 31.112 ng/ul m
RT: 15.869 min Scan# 2175
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:198 Resp: 52160

Ion	Ratio	Lower	Upper
198	100		
182	2.9	3.6	5.4#
77	21.2	17.5	26.3

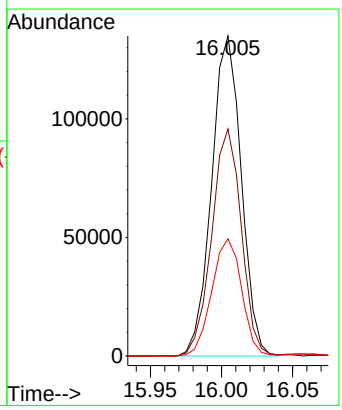




#67
N-Nitrosodiphenylamine
Concen: 27.062 ng/ul
RT: 16.005 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

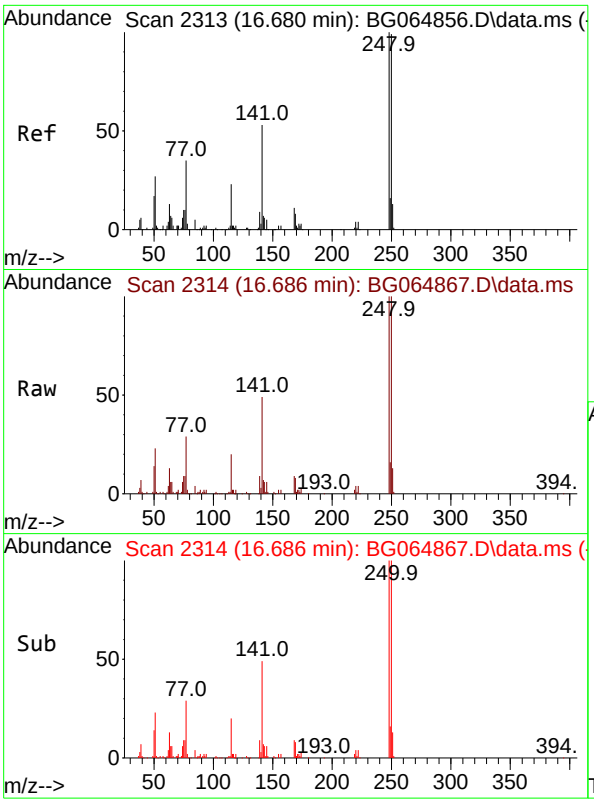
Tgt Ion:169 Resp: 195961

Ion	Ratio	Lower	Upper
169	100		
168	70.9	54.4	81.6
167	36.6	29.0	43.4



Instrument :
BNA_G
ClientSampleId :
SLCS719

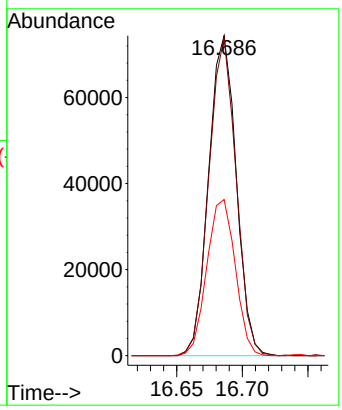
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

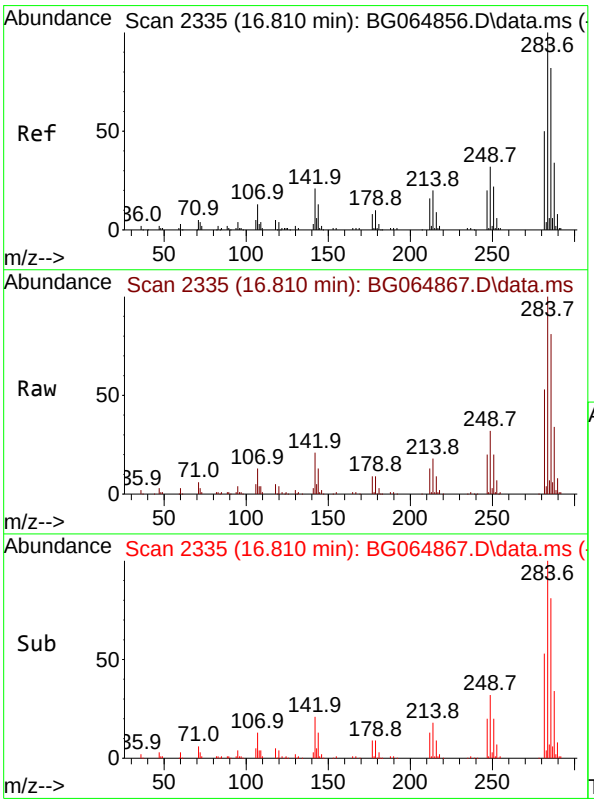


#68
4-Bromophenyl-phenylether
Concen: 30.237 ng/ul
RT: 16.686 min Scan# 2314
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:248 Resp: 108618

Ion	Ratio	Lower	Upper
248	100		
250	99.5	80.2	120.2
141	48.8	41.3	61.9

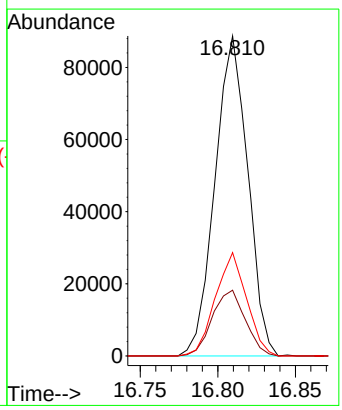




#69
Hexachlorobenzene
Concen: 29.908 ng/ul
RT: 16.810 min Scan# 2335
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

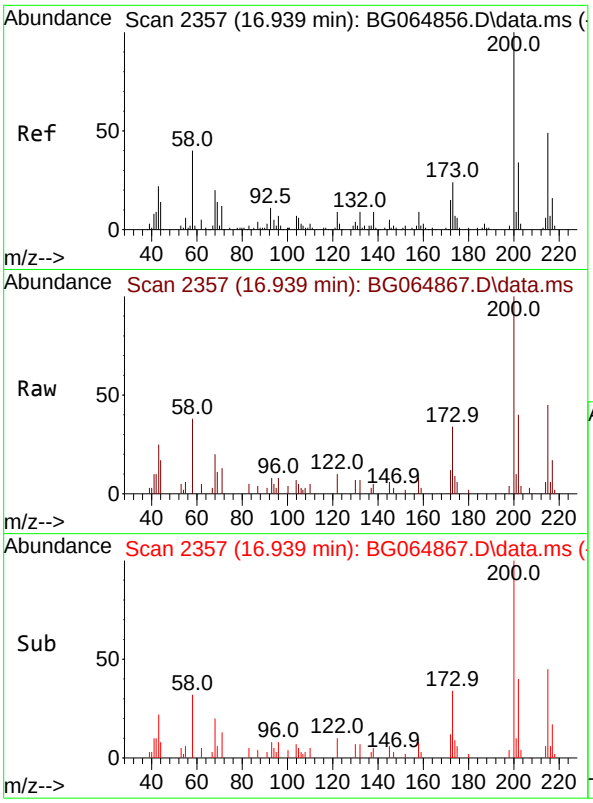
Tgt Ion:284 Resp: 130335

Ion	Ratio	Lower	Upper
284	100		
142	19.1	17.6	26.4
249	30.1	24.7	37.1



Instrument :
BNA_G
ClientSampleId :
SLCS719

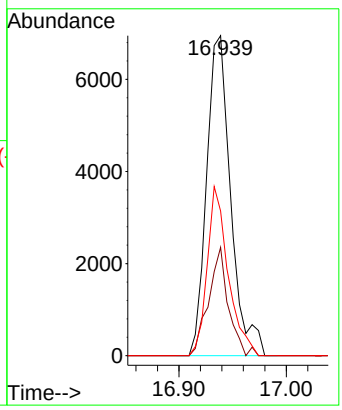
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

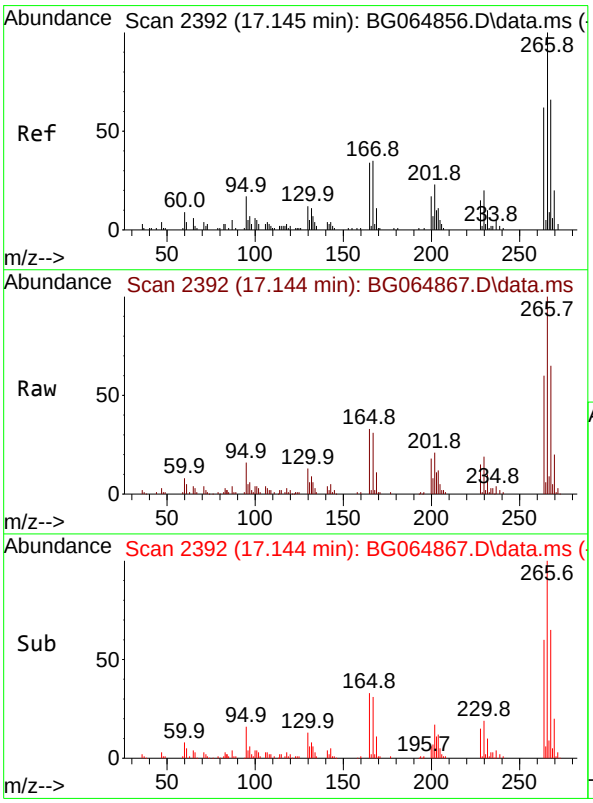


#70
Atrazine
Concen: 3.122 ng/ul m
RT: 16.939 min Scan# 2357
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:200 Resp: 10815

Ion	Ratio	Lower	Upper
200	100		
173	33.9	18.6	28.0#
215	45.2	39.0	58.6

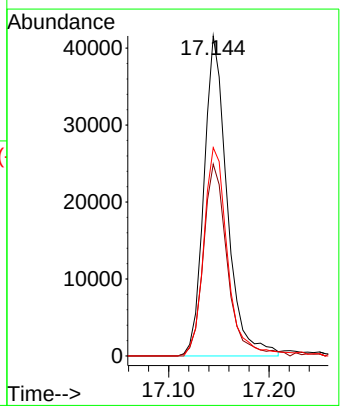




#71
Pentachlorophenol
Concen: 27.585 ng/ul
RT: 17.144 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

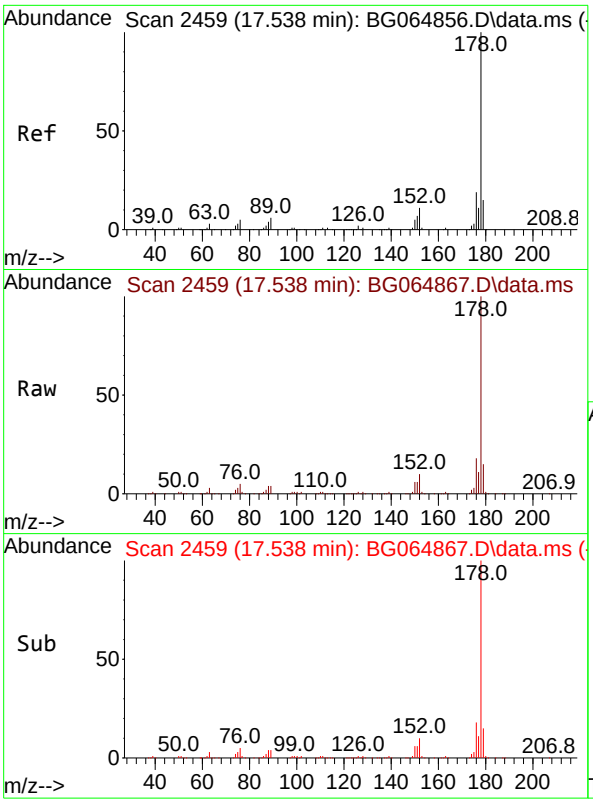
Tgt Ion:266 Resp: 66753

Ion	Ratio	Lower	Upper
266	100		
264	60.0	48.8	73.2
268	70.2	53.0	79.4



Instrument :
BNA_G
ClientSampleId :
SLCS719

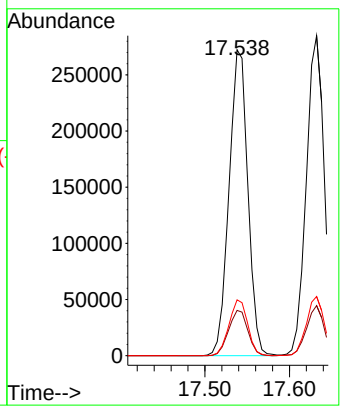
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

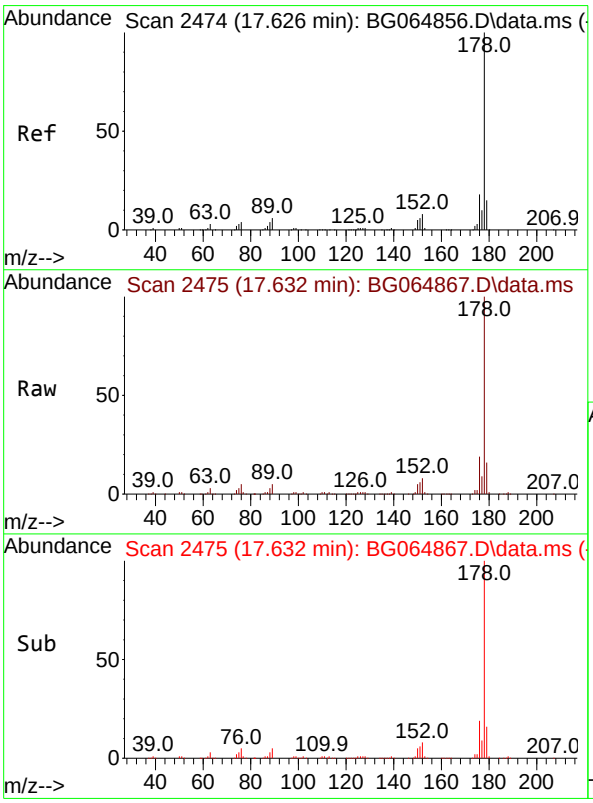


#72
Phenanthrene
Concen: 27.999 ng/ul m
RT: 17.538 min Scan# 2459
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:178 Resp: 421841

Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.9	17.9
176	18.3	15.1	22.7

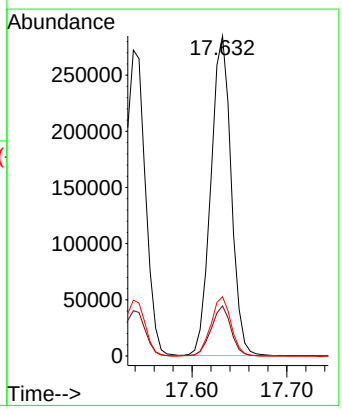




#74
Anthracene
Concen: 28.021 ng/ul
RT: 17.632 min Scan# 2475
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

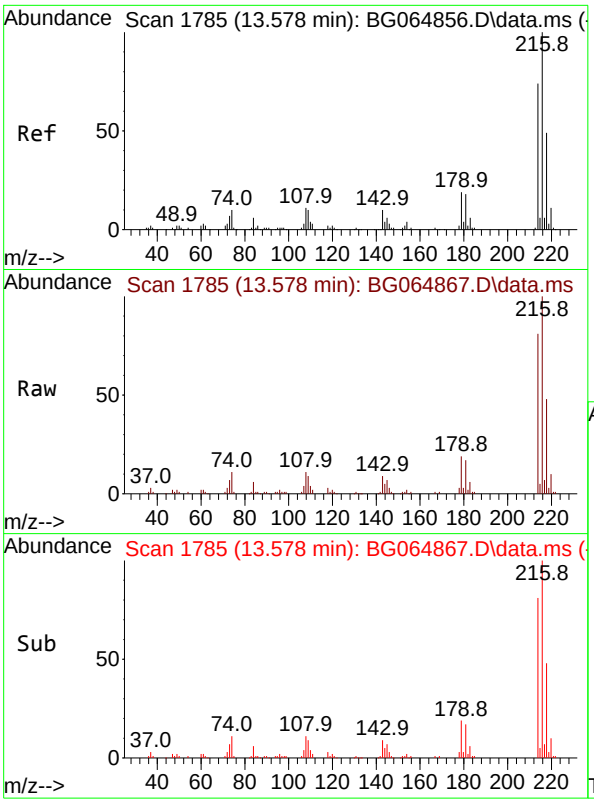
Tgt Ion:178 Resp: 423470

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7
176	18.5	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SLCS719

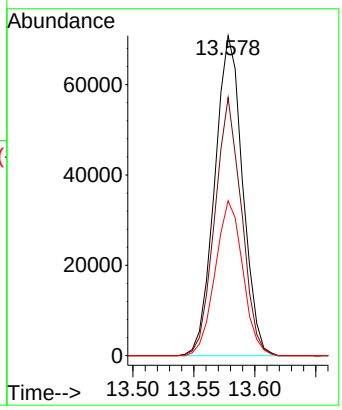
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#75
1,2,3,4-Tetrachlorobenzene
Concen: 27.855 ng/ul
RT: 13.578 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

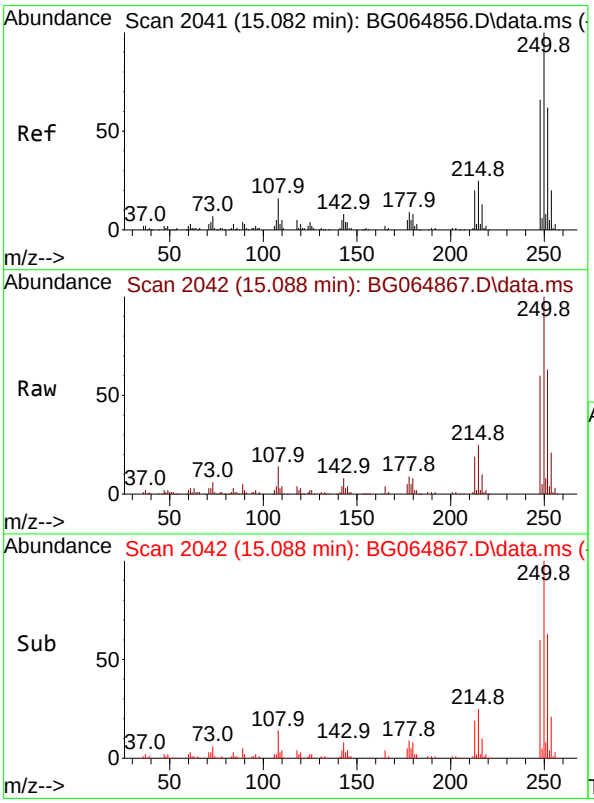
Tgt Ion:216 Resp: 112836

Ion	Ratio	Lower	Upper
216	100		
214	80.7	60.1	90.1
218	48.4	38.2	57.4



Instrument :
BNA_G
ClientSampleId :
SLCS719

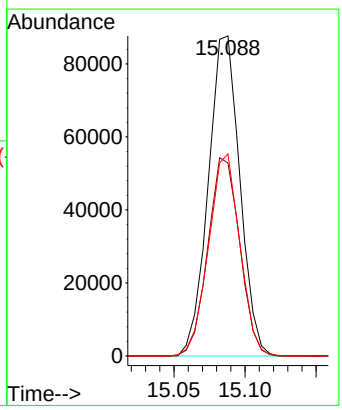
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

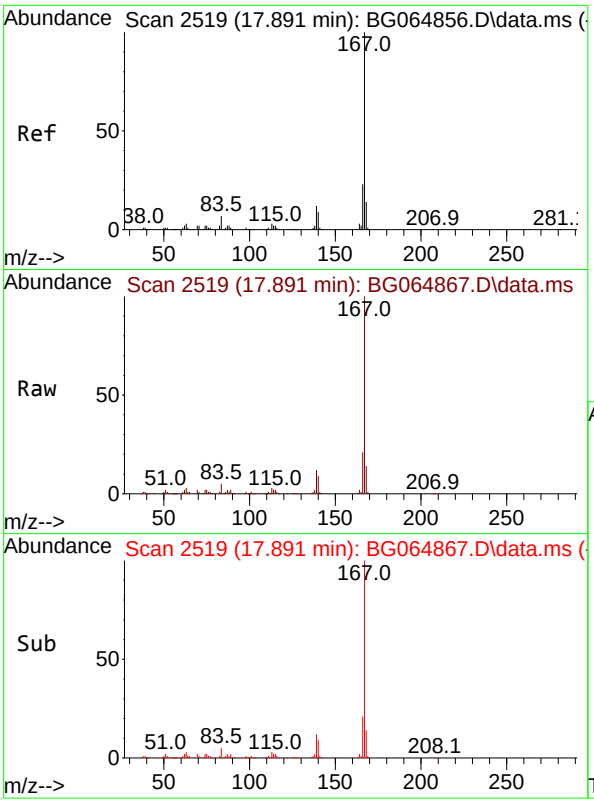


#76
Pentachlorobenzene
Concen: 29.434 ng/ul
RT: 15.088 min Scan# 2042
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:250 Resp: 135457

Ion	Ratio	Lower	Upper
250	100		
248	60.3	48.5	72.7
252	67.5	51.8	77.8

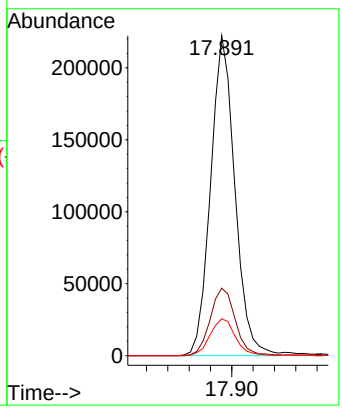


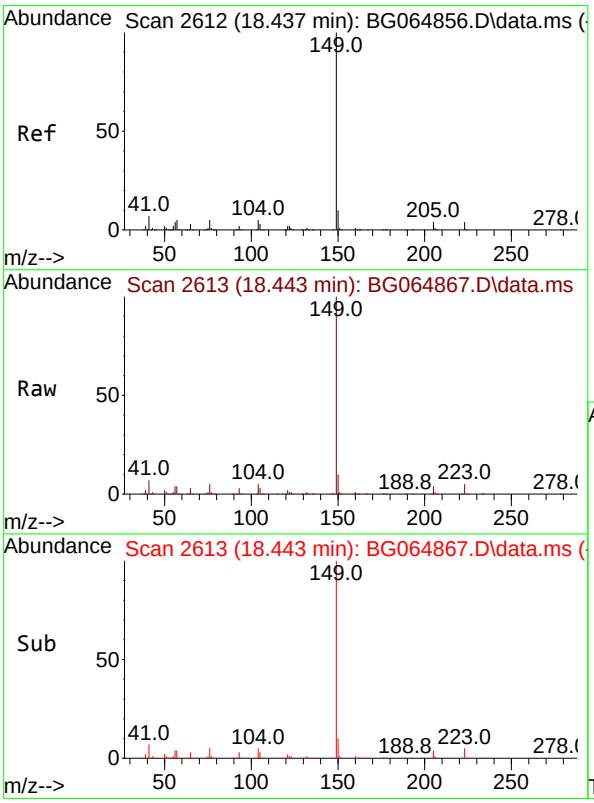


#77
Carbazole
Concen: 28.477 ng/ul
RT: 17.891 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:167 Resp: 350957

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.9	26.9
139	11.5	9.4	14.2

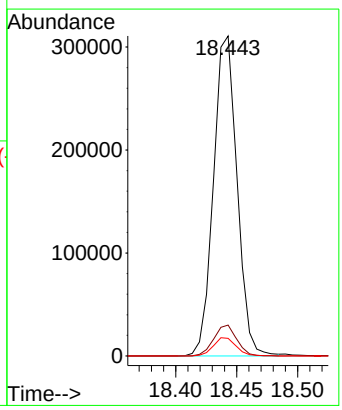




#78
Di-n-butylphthalate
Concen: 29.385 ng/ul
RT: 18.443 min Scan# 2613
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

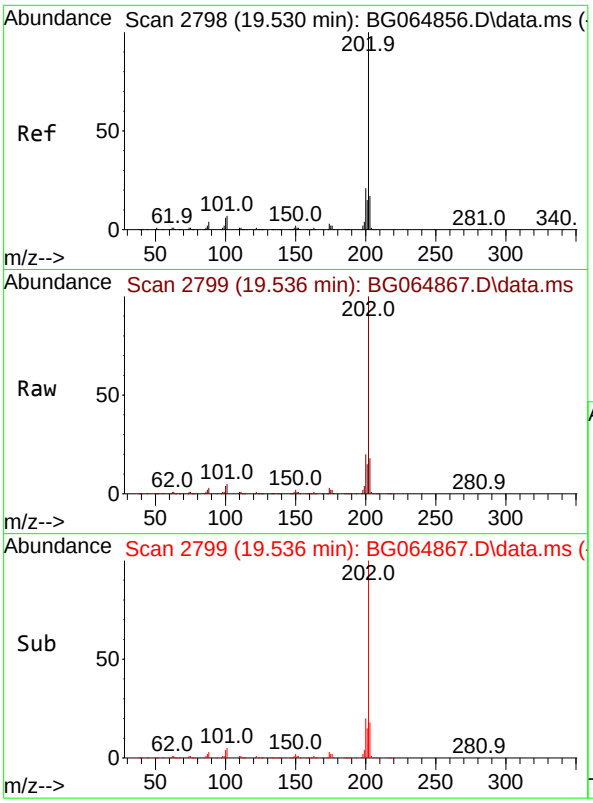
Tgt Ion:149 Resp: 418882

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.3	10.9
104	5.5	3.5	5.3#



Instrument :
BNA_G
ClientSampleId :
SLCS719

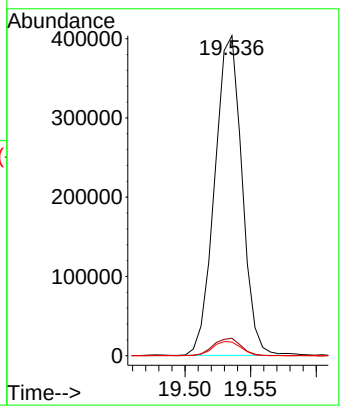
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#80
Fluoranthene
Concen: 27.246 ng/ul
RT: 19.536 min Scan# 2799
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

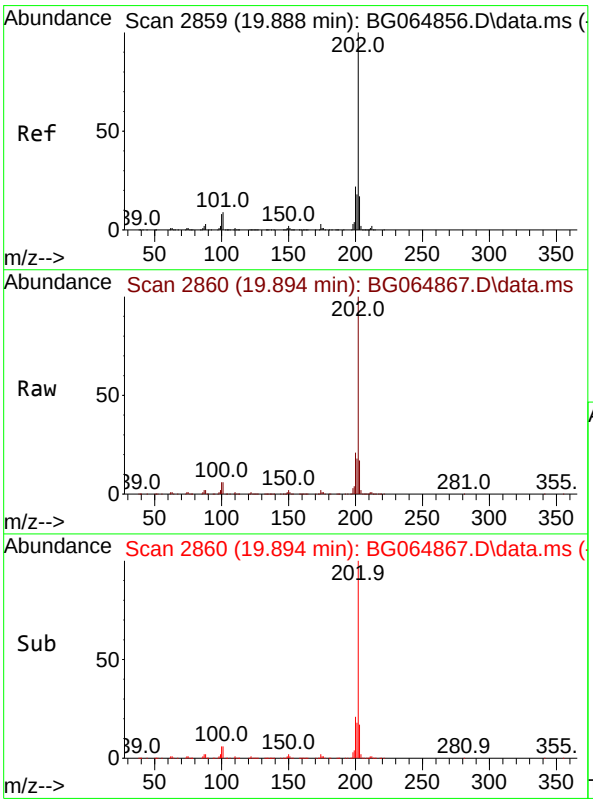
Tgt Ion:202 Resp: 582208

Ion	Ratio	Lower	Upper
202	100		
101	5.4	5.5	8.3#
100	4.3	4.9	7.3#



Instrument :
BNA_G
ClientSampleId :
SLCS719

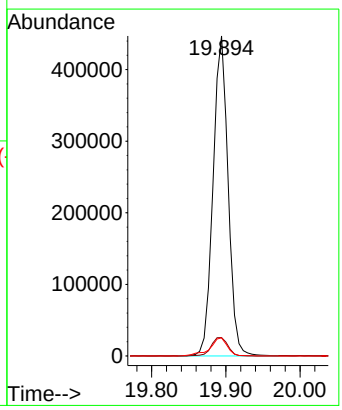
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

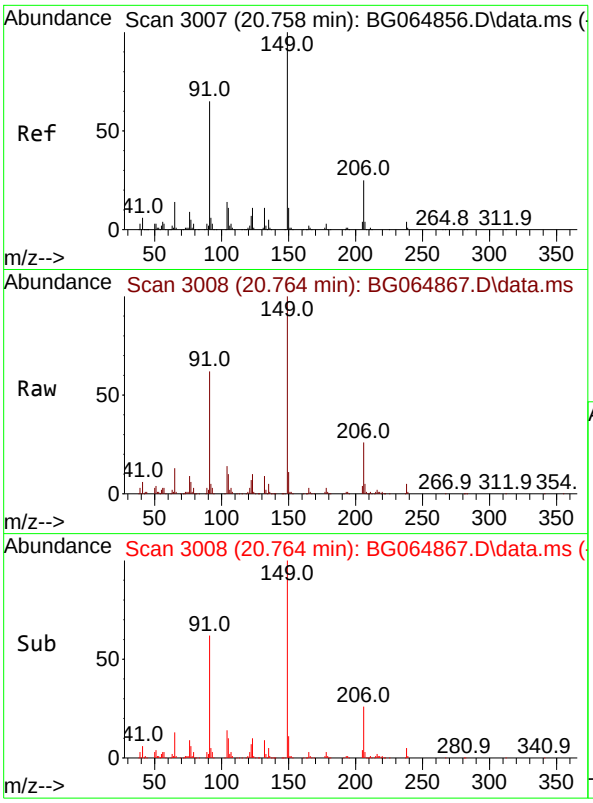


#82
Pyrene
Concen: 28.260 ng/ul
RT: 19.894 min Scan# 2860
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:202 Resp: 630323

Ion	Ratio	Lower	Upper
202	100		
101	5.7	6.0	9.0#
100	5.7	5.4	8.2

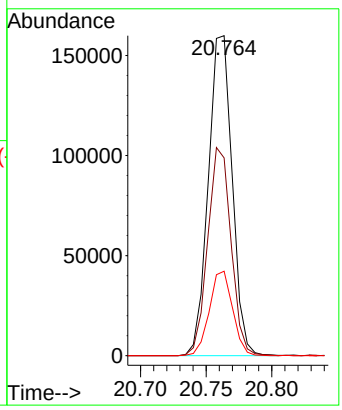




#83
Butylbenzylphthalate
Concen: 27.478 ng/ul
RT: 20.764 min Scan# 3008
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

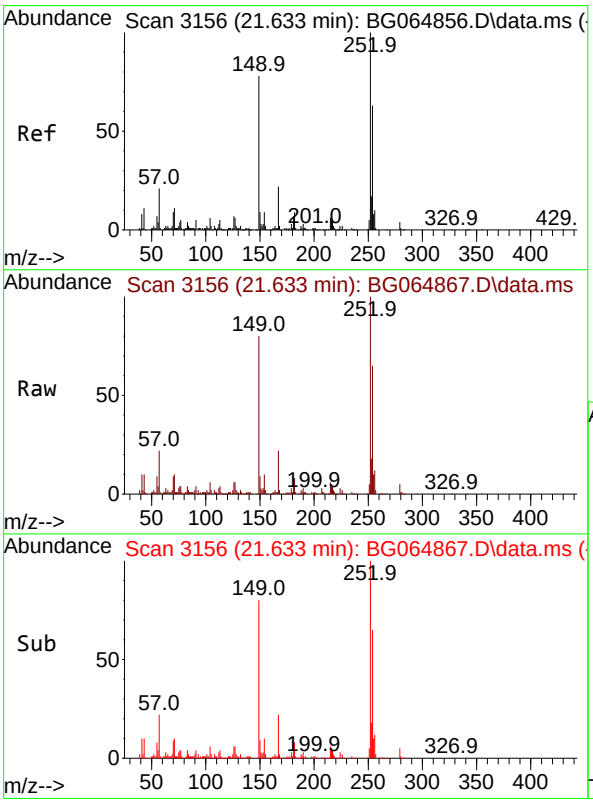
Tgt Ion:149 Resp: 202392

Ion	Ratio	Lower	Upper
149	100		
91	61.8	48.3	72.5
206	26.4	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
SLCS719

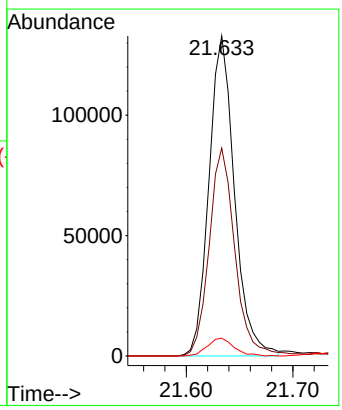
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

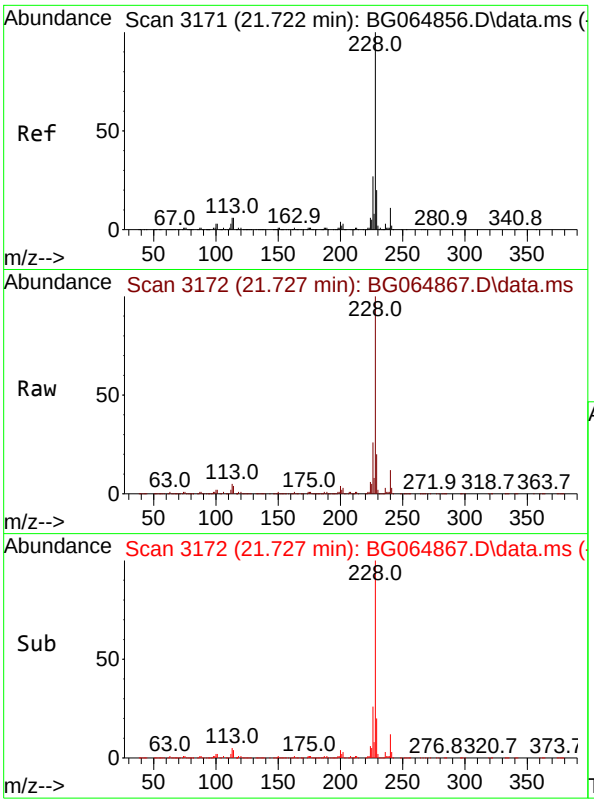


#84
3,3'-Dichlorobenzidine
Concen: 28.031 ng/ul
RT: 21.633 min Scan# 3156
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:252 Resp: 221695

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.9	77.9
126	5.6	4.6	7.0

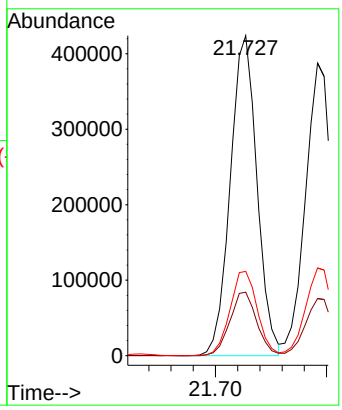




#85
Benzo(a)anthracene
Concen: 28.457 ng/ul m
RT: 21.727 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

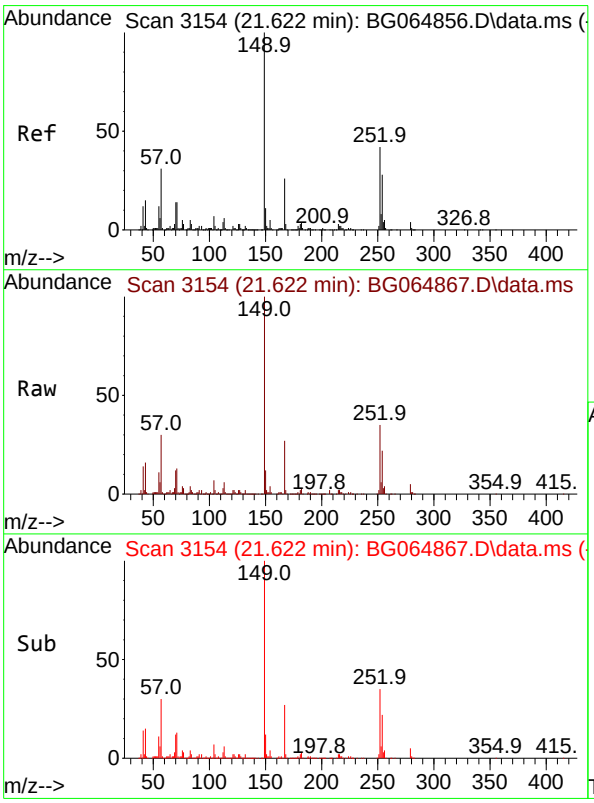
Tgt Ion:228 Resp: 708554

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.2	22.8
226	26.4	21.6	32.4



Instrument :
BNA_G
ClientSampleId :
SLCS719

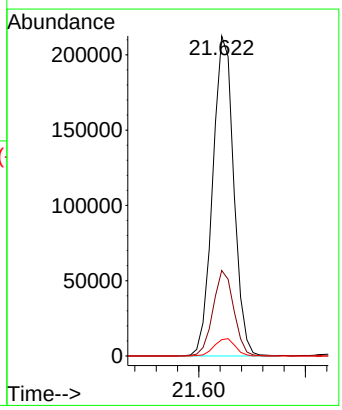
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

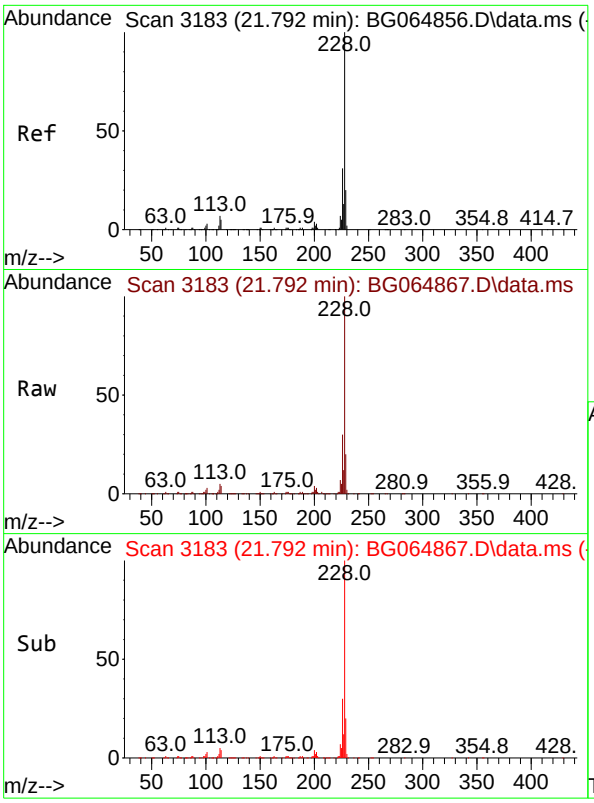


#86
Bis(2-ethylhexyl)phthalate
Concen: 26.706 ng/ul
RT: 21.622 min Scan# 3154
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:149 Resp: 290924

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.7	31.1
279	5.1	3.8	5.8

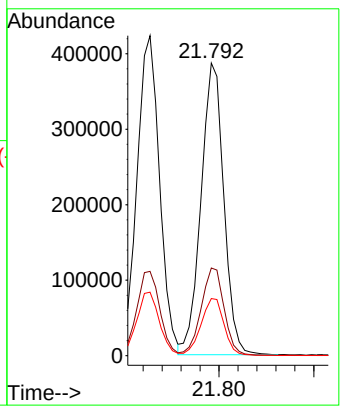




#87
Chrysene
Concen: 26.807 ng/ul
RT: 21.792 min Scan# 3183
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

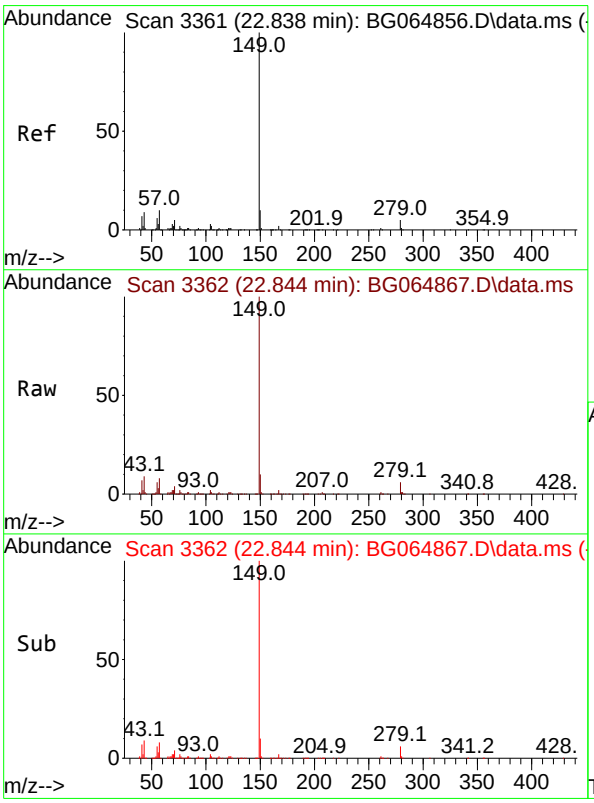
Tgt Ion:228 Resp: 646053

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	36.8
229	19.5	15.8	23.6



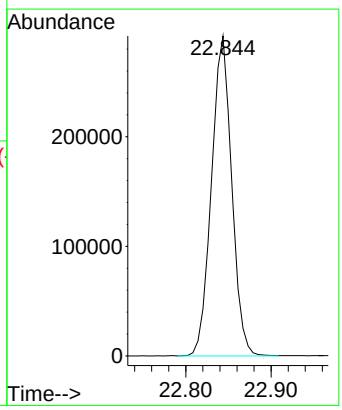
Instrument :
BNA_G
ClientSampleId :
SLCS719

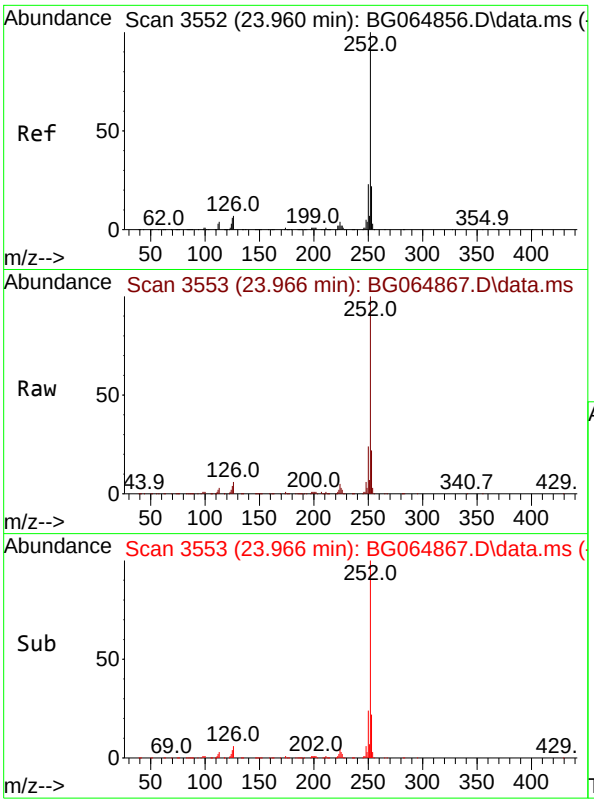
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#89
Di-n-octyl phthalate
Concen: 26.520 ng/ul
RT: 22.844 min Scan# 3362
Delta R.T. 0.001 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:149 Resp: 481768

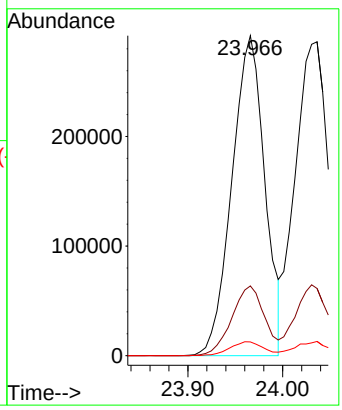


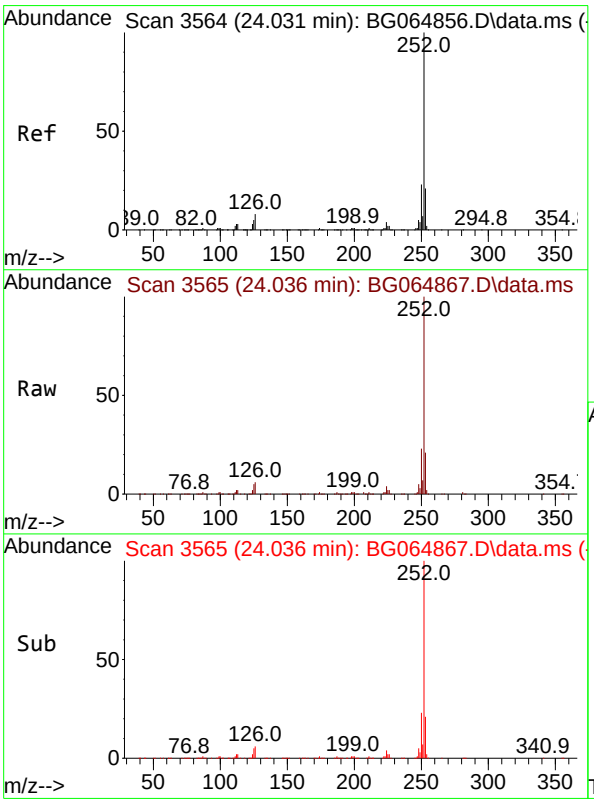


#90
Benzo(b)fluoranthene
Concen: 28.710 ng/ul
RT: 23.966 min Scan# 3553
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:252 Resp: 704677

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	4.3	4.6	6.8#

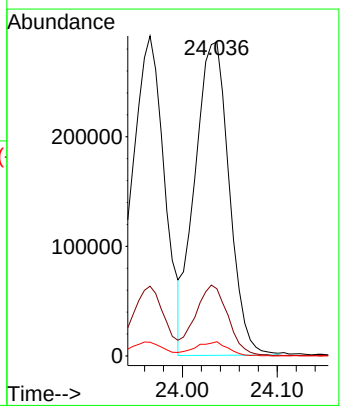




#91
Benzo(k)fluoranthene
Concen: 28.607 ng/ul
RT: 24.036 min Scan# 3565
Delta R.T. 0.012 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

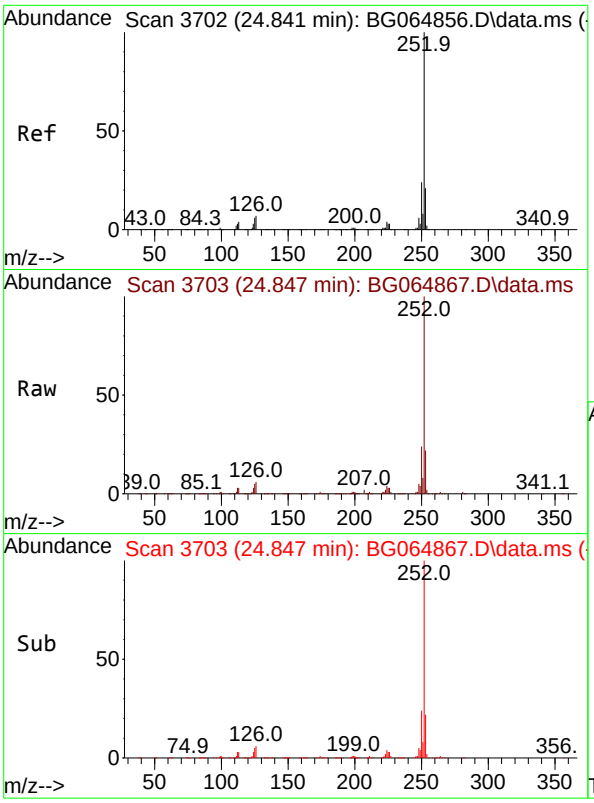
Tgt Ion:252 Resp: 718474

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.6	28.0
125	4.5	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SLCS719

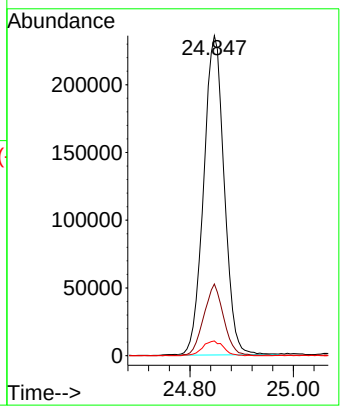
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#93
Benzo(a)pyrene
Concen: 27.812 ng/ul
RT: 24.847 min Scan# 3703
Delta R.T. 0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

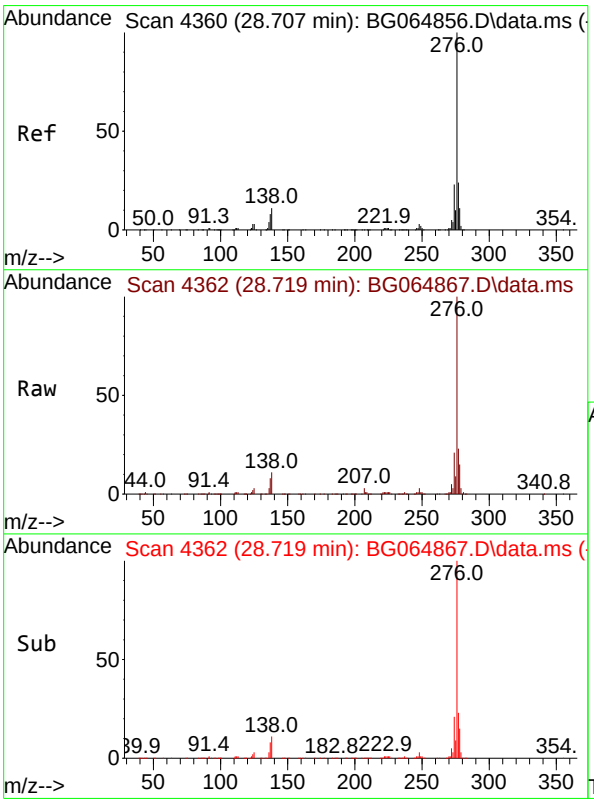
Tgt Ion:252 Resp: 649235

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	4.6	4.7	7.1#



Instrument :
BNA_G
ClientSampleId :
SLCS719

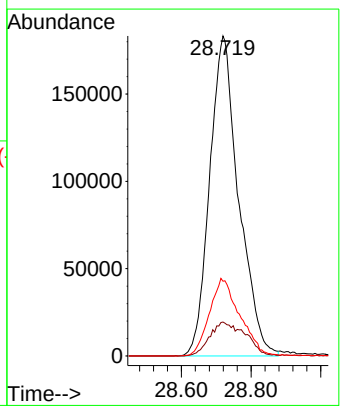
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

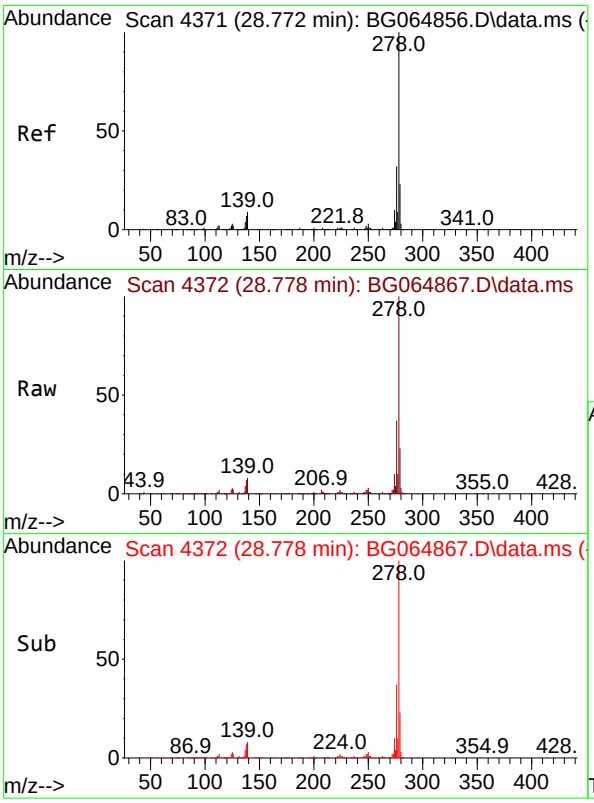


#94
Indeno(1,2,3-cd)pyrene
Concen: 35.335 ng/ul
RT: 28.719 min Scan# 4362
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:276 Resp: 1059698

Ion	Ratio	Lower	Upper
276	100		
138	10.6	9.0	13.4
277	23.3	18.5	27.7

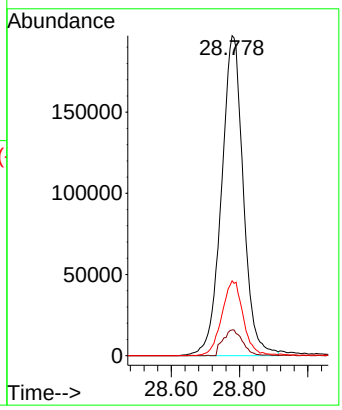




#95
Dibenzo(a,h)anthracene
Concen: 36.140 ng/ul
RT: 28.778 min Scan# 4372
Delta R.T. -0.000 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

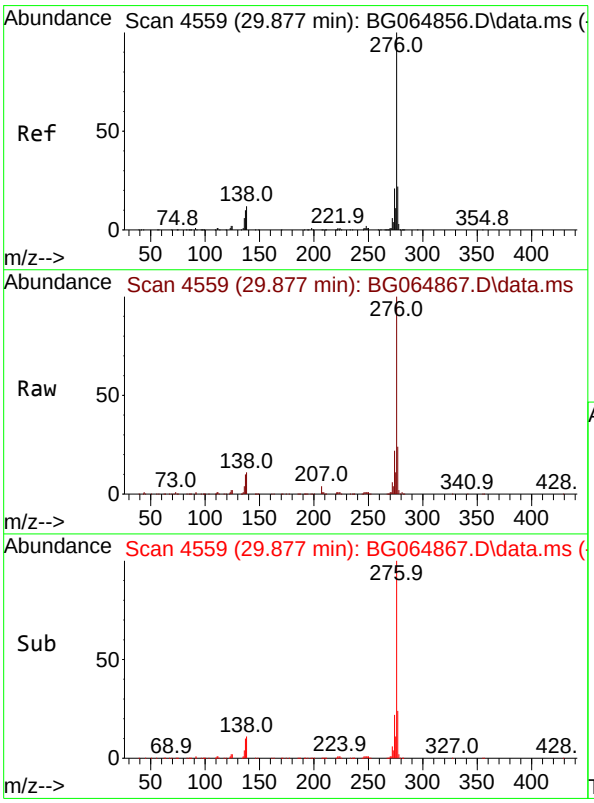
Tgt Ion:278 Resp: 874377

Ion	Ratio	Lower	Upper
278	100		
139	8.0	6.6	9.8
279	23.4	18.6	27.8



Instrument :
BNA_G
ClientSampleId :
SLCS719

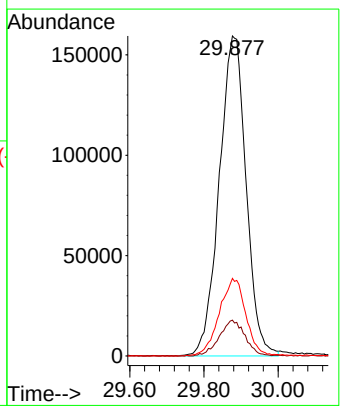
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#96
Benzo(g,h,i)perylene
Concen: 33.107 ng/ul
RT: 29.877 min Scan# 4559
Delta R.T. 0.006 min
Lab File: BG064867.D
Acq: 25 Nov 2025 19:19

Tgt Ion:276 Resp: 801430

Ion	Ratio	Lower	Upper
276	100		
138	11.2	9.8	14.8
277	24.2	18.1	27.1



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.161	152	27899	20.000	ng/ul		0.00
20) Naphthalene-d8	10.975	136	107933	20.000	ng/ul	#	0.00
38) Acenaphthene-d10	14.765	164	101535	20.000	ng/ul		0.00
64) Phenanthrene-d10	17.497	188	269446m	20.000	ng/ul		0.00
79) Chrysene-d12	21.745	240	371388m	20.000	ng/ul		0.00
88) Perylene-d12	25.000	264	398646	20.000	ng/ul		0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.478	96	2842	4.038	ng/uL		0.00
4) Pyridine-d5	3.913	84	41688	21.495	ng/ul		0.00
7) Phenol-d5	7.297	99	63123	28.067	ng/ul		0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	35352	24.578	ng/ul		0.00
11) 2-Chlorophenol-d4	7.685	132	52231	30.634	ng/ul		0.00
15) 4-Methylphenol-d8	8.854	113	53433	27.566	ng/ul		0.00
21) Nitrobenzene-d5	9.318	128	25030	30.746	ng/ul		0.00
24) 2-Nitrophenol-d4	10.047	143	30616	31.663	ng/ul		0.00
28) 2,4-Dichlorophenol-d3	10.587	165	65097	32.653	ng/ul		0.00
31) 4-Chloroaniline-d4	11.099	131	54184	21.263	ng/ul		0.00
46) Dimethylphthalate-d6	14.166	166	227911	28.536	ng/ul		0.00
49) Acenaphthylene-d8	14.465	160	241525	28.237	ng/ul		0.00
54) 4-Nitrophenol-d4	14.941	143	36319	29.994	ng/ul		0.00
60) Fluorene-d10	15.752	176	210094	29.301	ng/ul		0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	52959m	30.699	ng/ul		0.00
73) Anthracene-d10	17.597	188	393926	28.933	ng/ul		0.00
81) Pyrene-d10	19.865	212	543596	28.495	ng/ul		0.00
92) Benzo(a)pyrene-d12	24.777	264	624289	29.682	ng/ul		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.519	88	5697	6.997	ng/uL	#	83
5) Pyridine	3.930	79	42059	19.806	ng/ul		94
6) Benzaldehyde	7.285	77	4049m	3.665	ng/ul		
8) Phenol	7.327	94	63527	27.059	ng/ul		92
10) Bis(2-Chloroethyl)ether	7.562	93	43215	24.890	ng/ul		98
12) 2-Chlorophenol	7.720	128	50857	28.164	ng/ul		99
13) 2-Methylphenol	8.590	108	48363	26.022	ng/ul		99
14) 2,2'-oxybis(1-Chloropr...	8.672	45	88931	24.397	ng/ul		99
16) Acetophenone	8.977	105	80174	25.146	ng/ul		98
17) N-Nitroso-di-n-propyla...	8.960	70	38318	25.053	ng/ul	#	89
18) 4-Methylphenol	8.919	108	54736	26.843	ng/ul		90
19) Hexachloroethane	9.254	117	20379	25.288	ng/ul		97
22) Nitrobenzene	9.359	77	59052	28.242	ng/ul		99
23) Isophorone	9.888	82	109021	26.616	ng/ul	#	97
25) 2-Nitrophenol	10.076	139	30522	30.026	ng/ul	#	93
26) 2,4-Dimethylphenol	10.129	107	55964	25.559	ng/ul		100
27) Bis(2-Chloroethoxy)met...	10.364	93	58418	25.430	ng/ul		98
29) 2,4-Dichlorophenol	10.611	162	61082	32.851	ng/ul		98
30) Naphthalene	11.022	128	172108	27.747	ng/ul		97
32) 4-Chloroaniline	11.122	127	40352	15.558	ng/ul		97
33) Hexachlorobutadiene	11.310	225	61563	31.566	ng/ul		92
34) Caprolactam	11.862	113	17042m	26.231	ng/ul		
35) 4-Chloro-3-methylphenol	12.227	107	62647	30.940	ng/ul		91
36) 2-Methylnaphthalene	12.614	142	130747	28.128	ng/ul		99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.832	142	128624	28.271	ng/ul	97
39)	1,2,4,5-Tetrachloroben...	12.979	216	113082	28.988	ng/ul	98
40)	Hexachlorocyclopentadiene	12.961	237	56365	20.856	ng/ul	92
41)	2,4,6-Trichlorophenol	13.208	196	61902	28.706	ng/ul	95
42)	2,4,5-Trichlorophenol	13.284	196	68166	30.000	ng/ul	98
43)	1,1'-Biphenyl	13.607	154	191084	26.732	ng/ul	99
44)	2-Chloronaphthalene	13.654	162	149129	26.575	ng/ul	99
45)	2-Nitroaniline	13.842	65	47605	28.536	ng/ul	96
47)	Dimethylphthalate	14.213	163	222230	27.266	ng/ul	98
48)	2,6-Dinitrotoluene	14.330	165	43450	29.053	ng/ul	96
50)	Acenaphthylene	14.495	152	248893	25.434	ng/ul	97
51)	3-Nitroaniline	14.659	138	36866	28.421	ng/ul	99
52)	Acenaphthene	14.829	153	182244	28.402	ng/ul	99
53)	2,4-Dinitrophenol	14.859	184	27762	31.565	ng/ul#	87
55)	4-Nitrophenol	14.959	109	37261	33.289	ng/ul	87
56)	Dibenzofuran	15.164	168	276577	28.239	ng/ul	99
57)	2,4-Dinitrotoluene	15.111	165	71163	31.275	ng/ul#	99
58)	2,3,4,6-Tetrachlorophenol	15.382	232	77200	30.004	ng/ul	96
59)	Diethylphthalate	15.564	149	229161	28.628	ng/ul	98
61)	Fluorene	15.805	166	219975	28.633	ng/ul	99
62)	4-Chlorophenyl-phenyle...	15.799	204	142332	30.380	ng/ul	97
63)	4-Nitroaniline	15.811	138	47027	35.211	ng/ul	87
66)	4,6-Dinitro-2-methylph...	15.869	198	52160m	31.112	ng/ul	
67)	N-Nitrosodiphenylamine	16.005	169	195961	27.062	ng/ul	97
68)	4-Bromophenyl-phenylether	16.686	248	108618	30.237	ng/ul	98
69)	Hexachlorobenzene	16.810	284	130335	29.908	ng/ul	97
70)	Atrazine	16.939	200	10815m	3.122	ng/ul	
71)	Pentachlorophenol	17.144	266	66753	27.585	ng/ul	97
72)	Phenanthrene	17.538	178	421841m	27.999	ng/ul	
74)	Anthracene	17.632	178	423470	28.021	ng/ul	100
75)	1,2,3,4-Tetrachloroben...	13.578	216	112836	27.855	ng/ul	96
76)	Pentachlorobenzene	15.088	250	135457	29.434	ng/ul	98
77)	Carbazole	17.891	167	350957	28.477	ng/ul	98
78)	Di-n-butylphthalate	18.443	149	418882	29.385	ng/ul#	98
80)	Fluoranthene	19.536	202	582208	27.246	ng/ul#	95
82)	Pyrene	19.894	202	630323	28.260	ng/ul#	96
83)	Butylbenzylphthalate	20.764	149	202392	27.478	ng/ul	98
84)	3,3'-Dichlorobenzidine	21.633	252	221695	28.031	ng/ul	100
85)	Benzo(a)anthracene	21.727	228	708554m	28.457	ng/ul	
86)	Bis(2-ethylhexyl)phtha...	21.622	149	290924	26.706	ng/ul	99
87)	Chrysene	21.792	228	646053	26.807	ng/ul	99
89)	Di-n-octyl phthalate	22.844	149	481768	26.520	ng/ul	100
90)	Benzo(b)fluoranthene	23.966	252	704677	28.710	ng/ul#	98
91)	Benzo(k)fluoranthene	24.036	252	718474	28.607	ng/ul	97
93)	Benzo(a)pyrene	24.847	252	649235	27.812	ng/ul#	97
94)	Indeno(1,2,3-cd)pyrene	28.719	276	1059698	35.335	ng/ul	99
95)	Dibenzo(a,h)anthracene	28.778	278	874377	36.140	ng/ul	100
96)	Benzo(g,h,i)perylene	29.877	276	801430	33.107	ng/ul	97

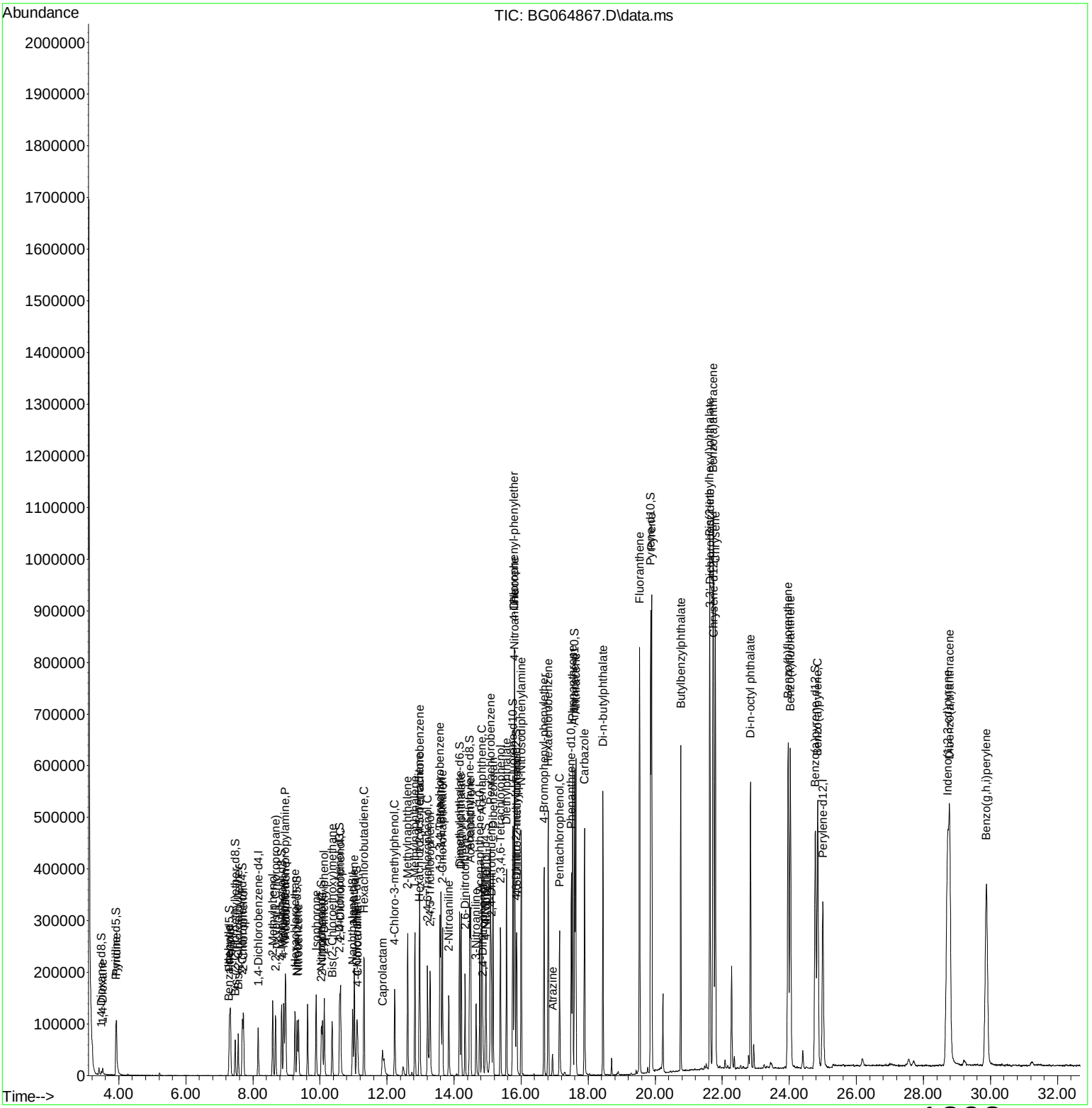
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



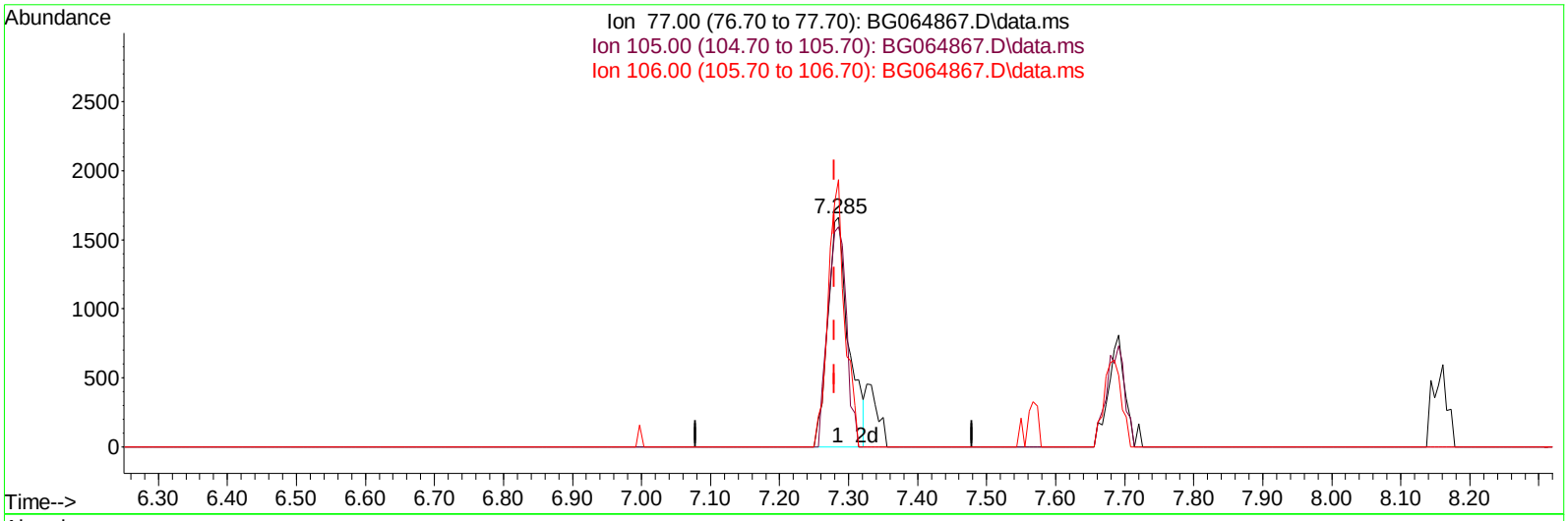
Quantitation Report (Qedit)

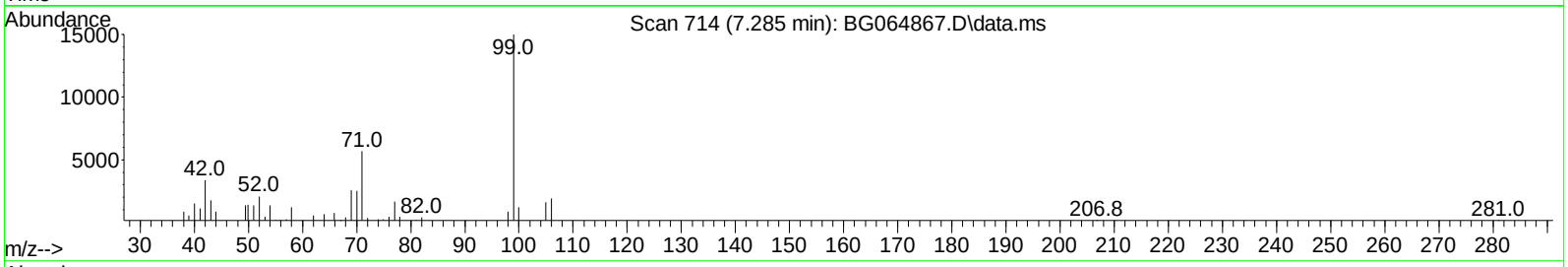
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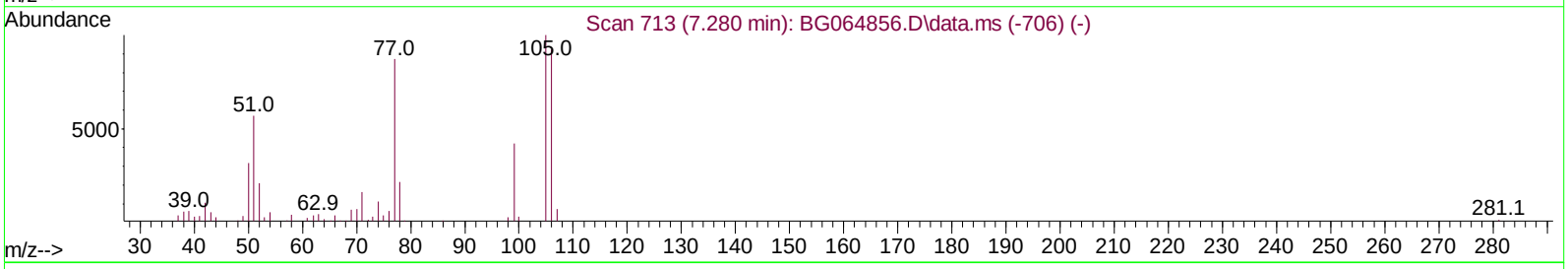
Quant Time: Nov 26 07:18:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
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Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(6) Benzaldehyde

7.285min (+ 0.006) 3.15 ng/ul

response 3482

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	94.90	96.03
106.00	92.90	116.37#
0.00	0.00	0.00

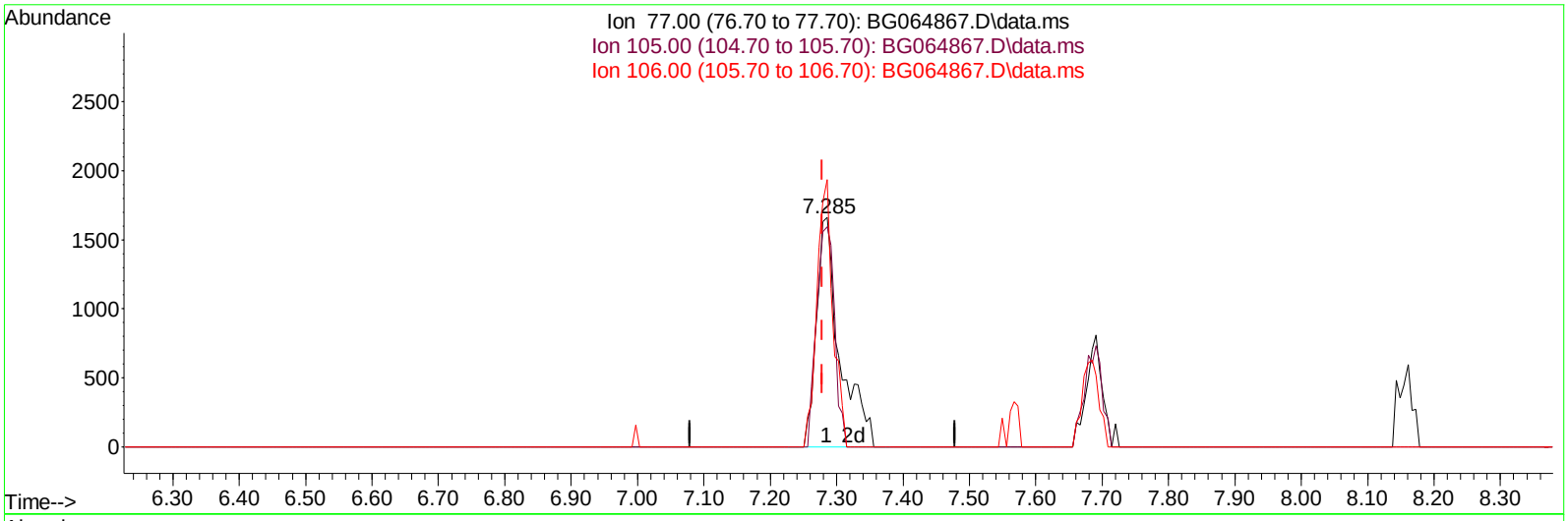
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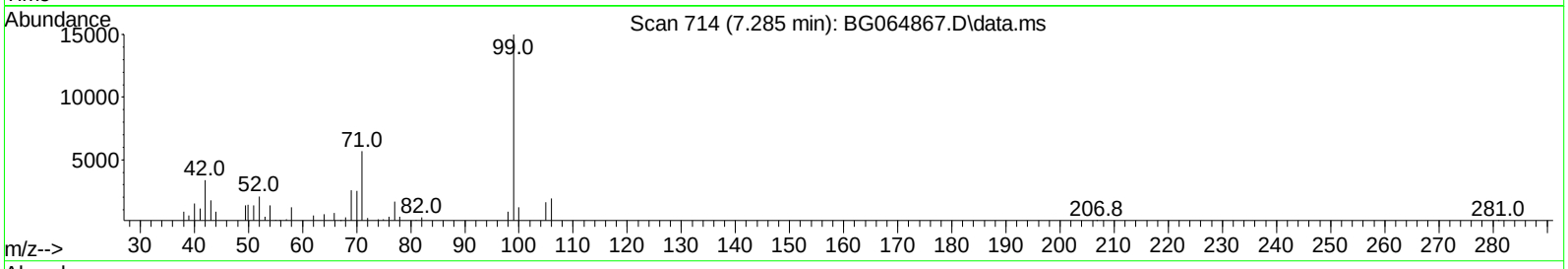
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Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

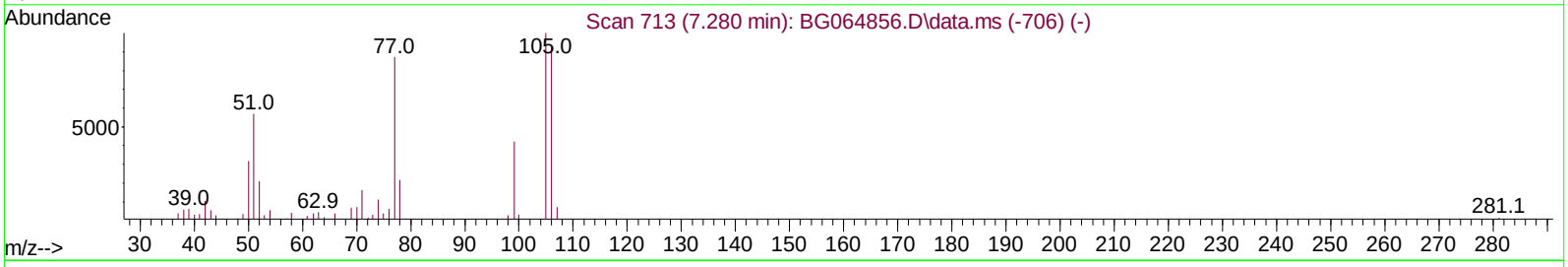
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(6) Benzaldehyde

7.285min (+ 0.006) 3.67 ng/ul m

response 4049

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	94.90	96.03
106.00	92.90	116.37#
0.00	0.00	0.00

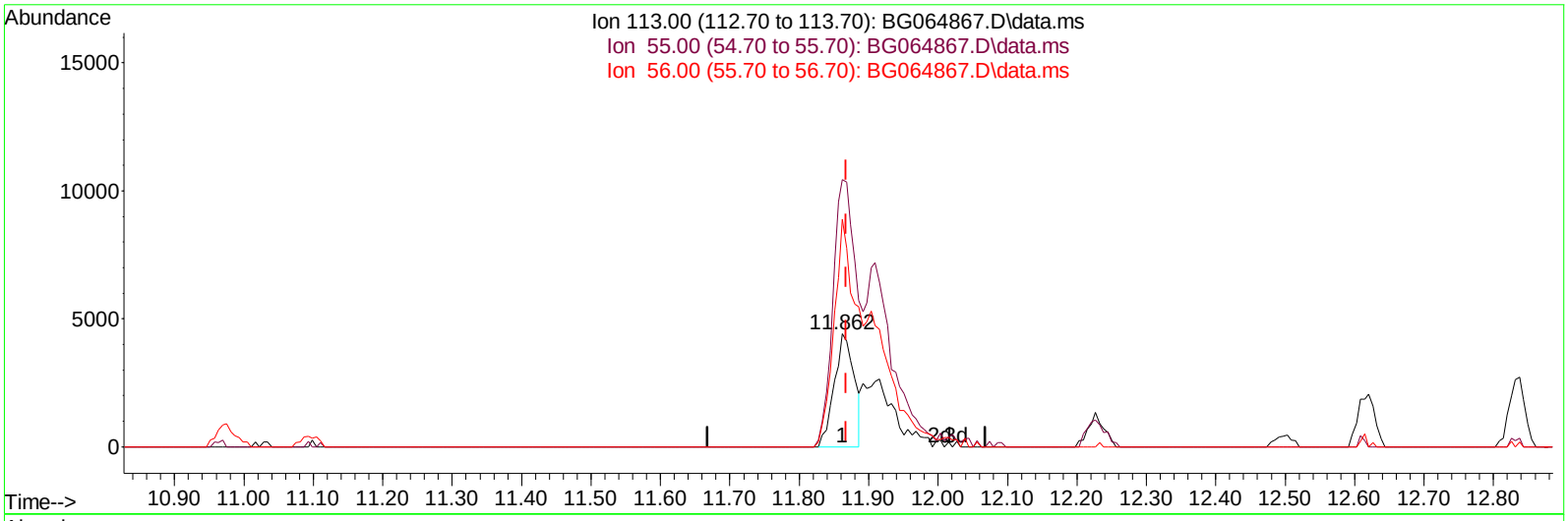
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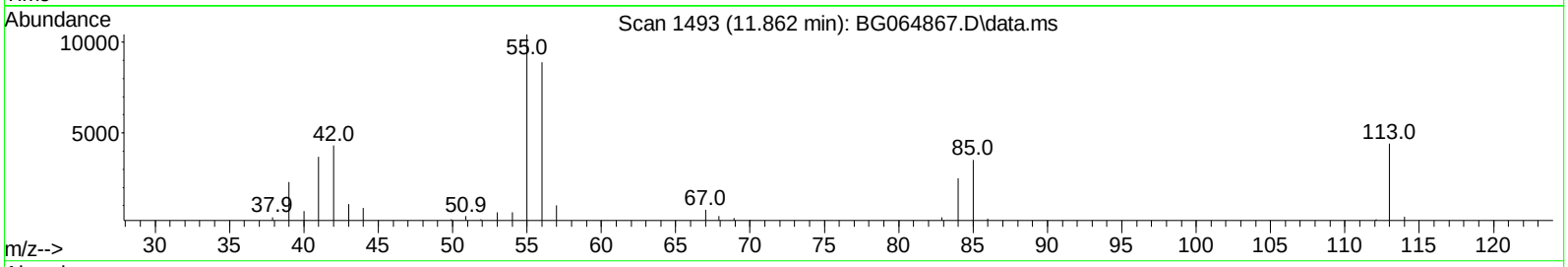
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Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

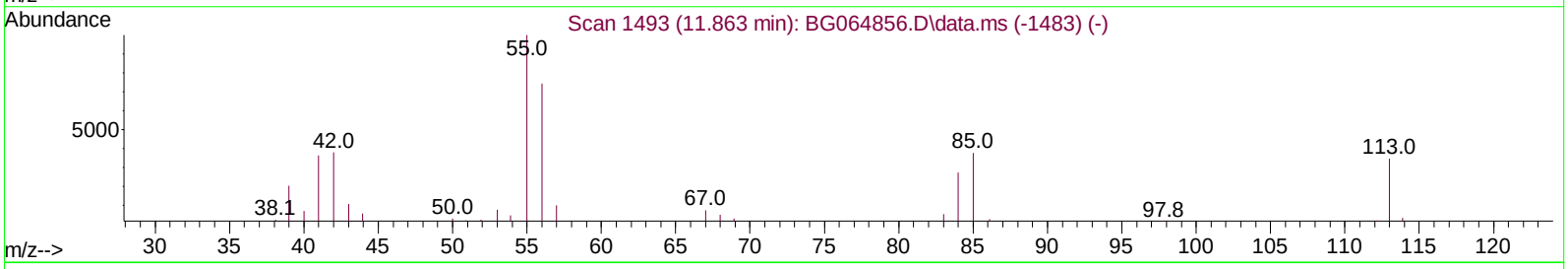
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(34) Caprolactam

11.862min (-0.006) 13.66 ng/ul

response 8876

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	236.56
56.00	159.40	201.84#
0.00	0.00	0.00

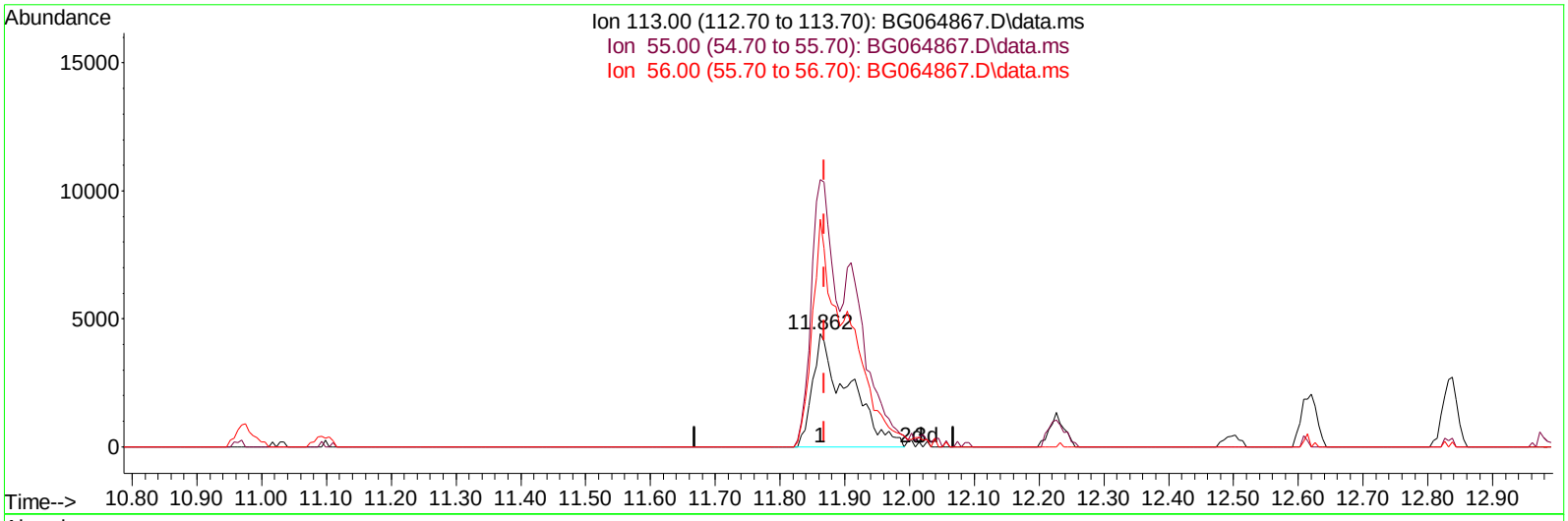
Quantitation Report (Qedit)

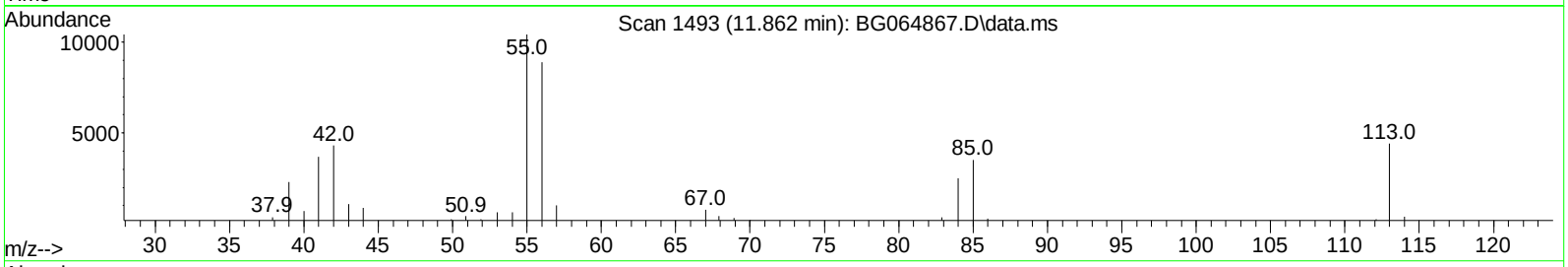
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Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

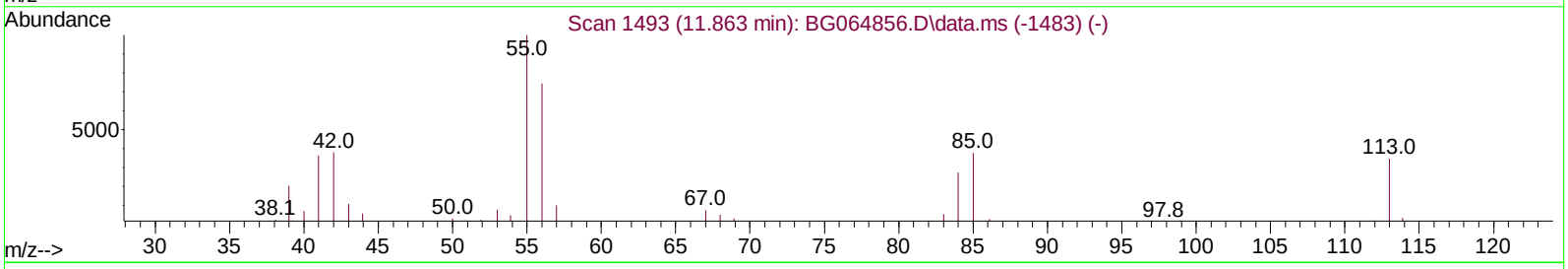
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(34) Caprolactam

11.862min (-0.006) 26.23 ng/ul m

response 17042

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	236.56
56.00	159.40	201.84#
0.00	0.00	0.00

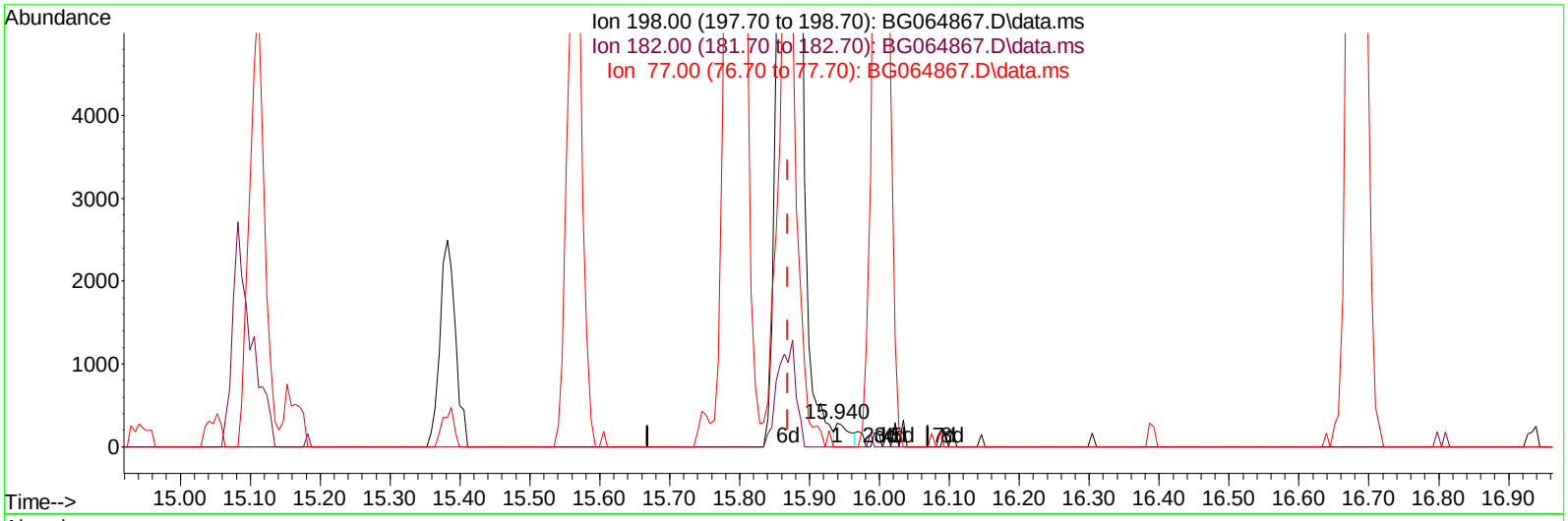
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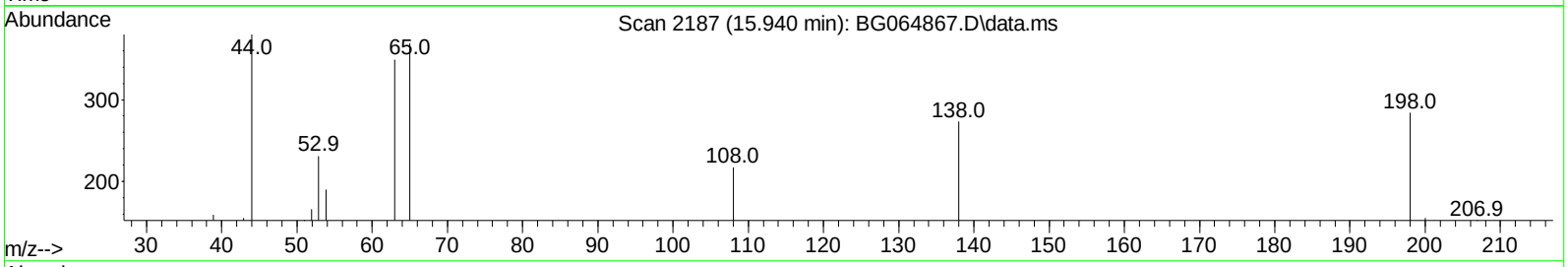
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Misc :
ALS Vial : 13 Sample Multiplier: 1

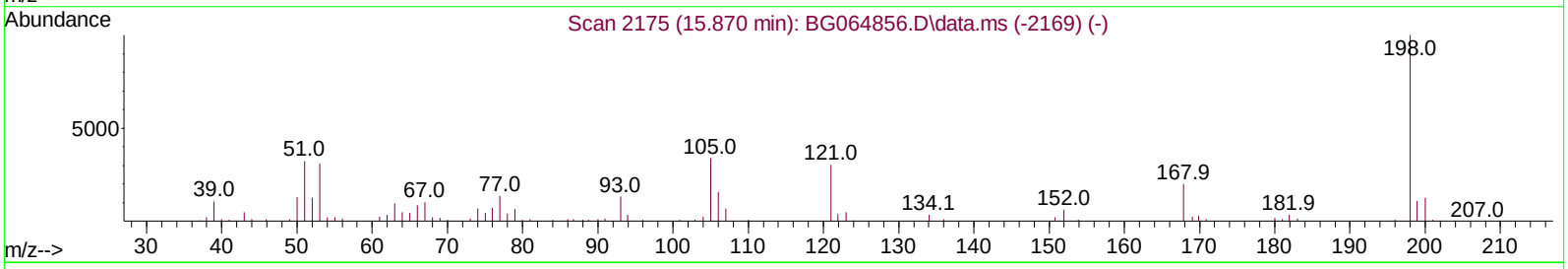
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Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.940min (+ 0.071) 0.16 ng/ul

response 383

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.50	0.00#
77.00	21.90	0.00#
0.00	0.00	0.00

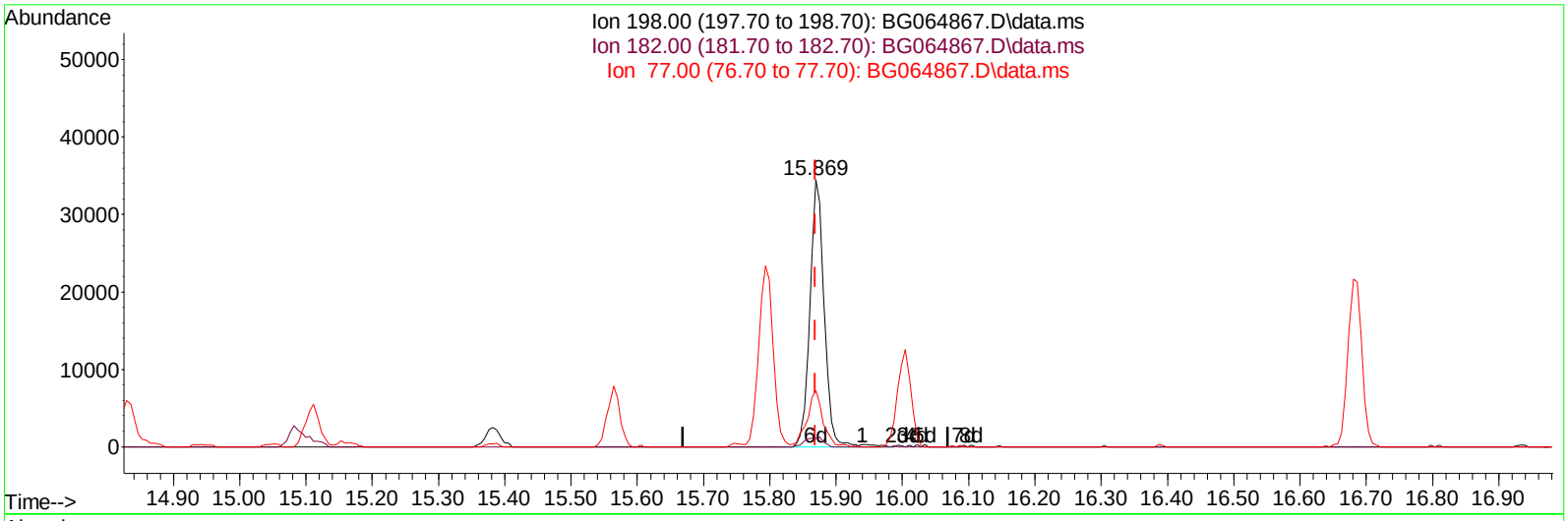
Quantitation Report (Qedit)

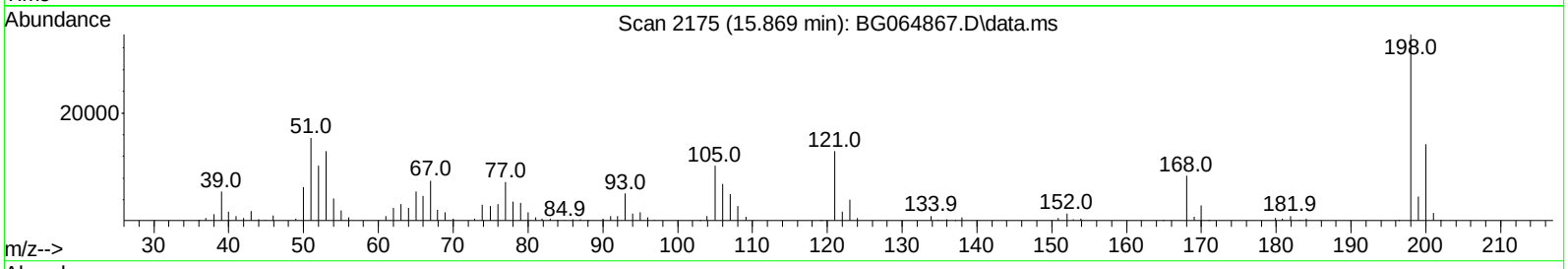
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Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

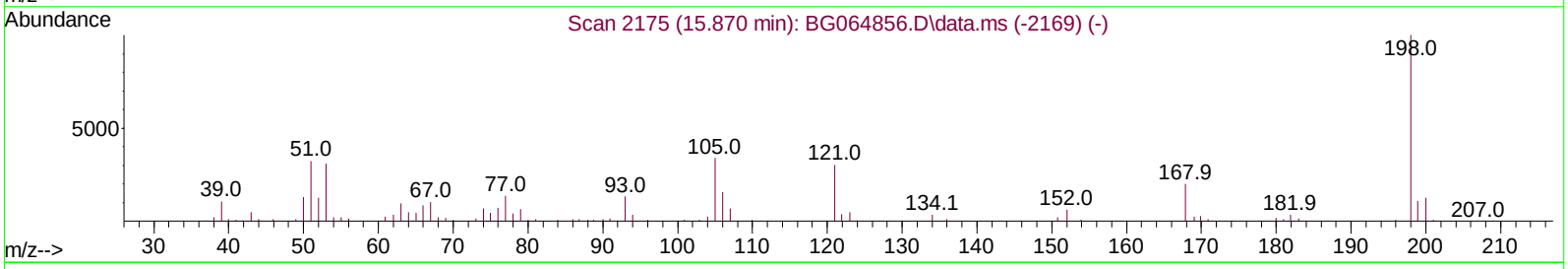
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BNA_G
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Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.869min (+ 0.000) 31.11 ng/ul m

response 52160

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.50	2.94#
77.00	21.90	21.20
0.00	0.00	0.00

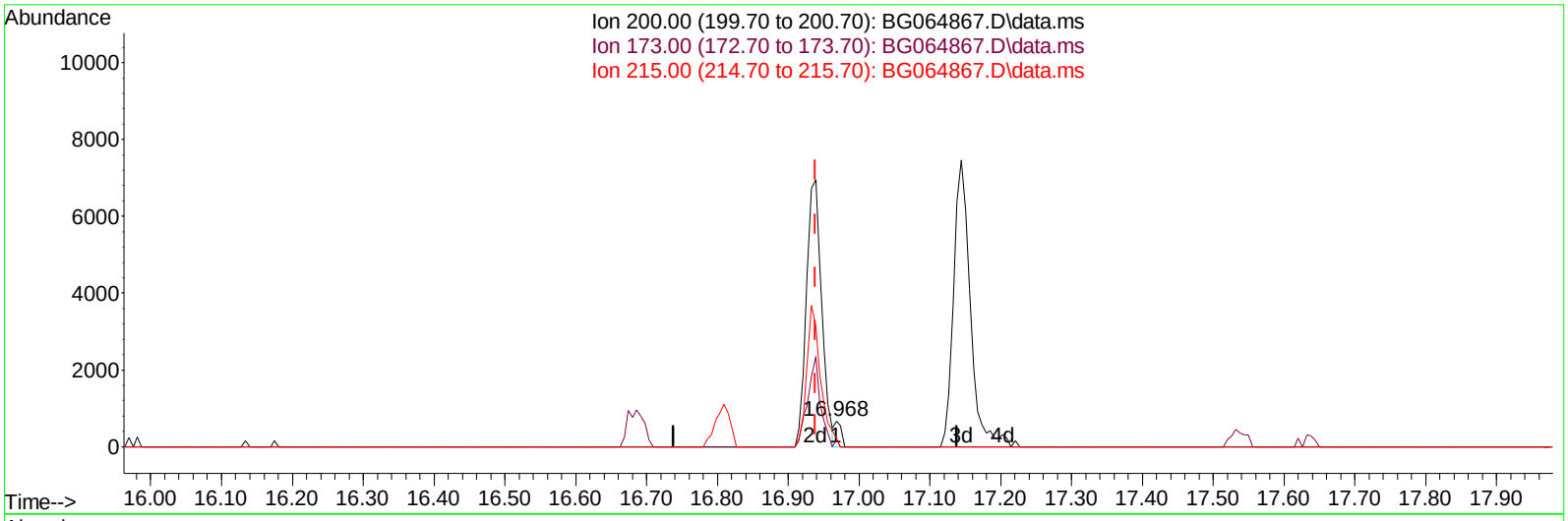
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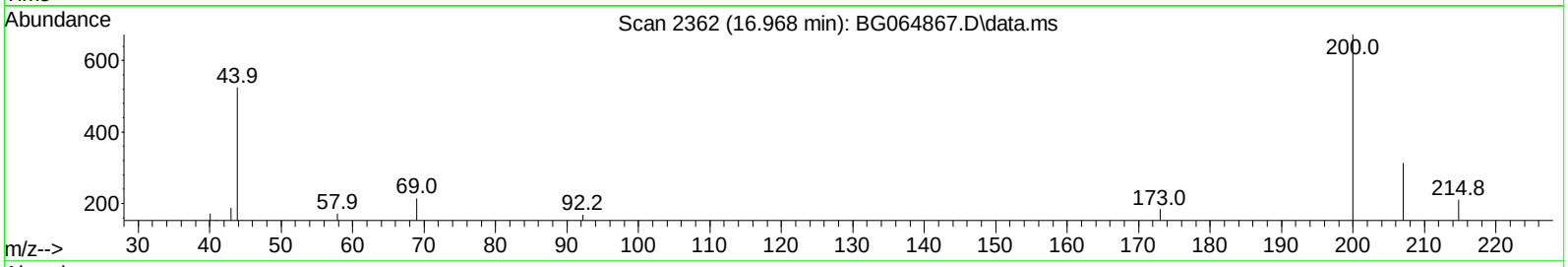
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ALS Vial : 13 Sample Multiplier: 1

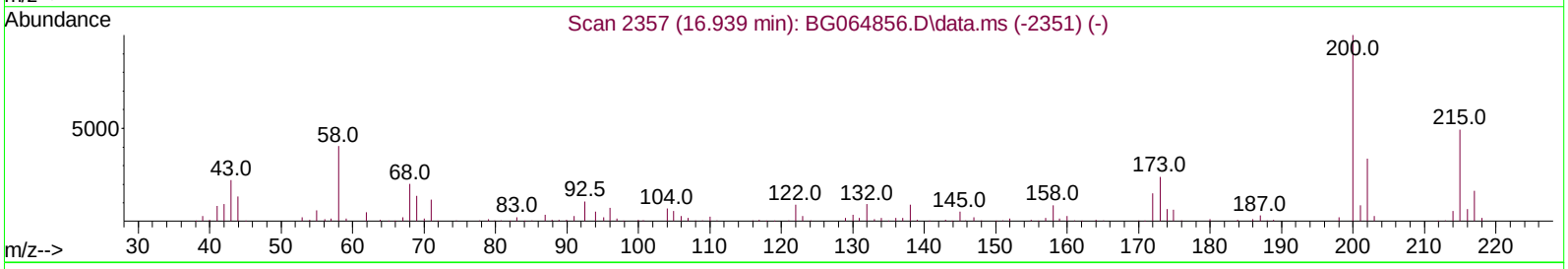
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SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(70) Atrazine

16.968min (+ 0.030) 0.08 ng/ul

response 429

Ion	Exp%	Act%
200.00	100.00	100.00
173.00	23.30	27.19
215.00	48.80	31.35#
0.00	0.00	0.00

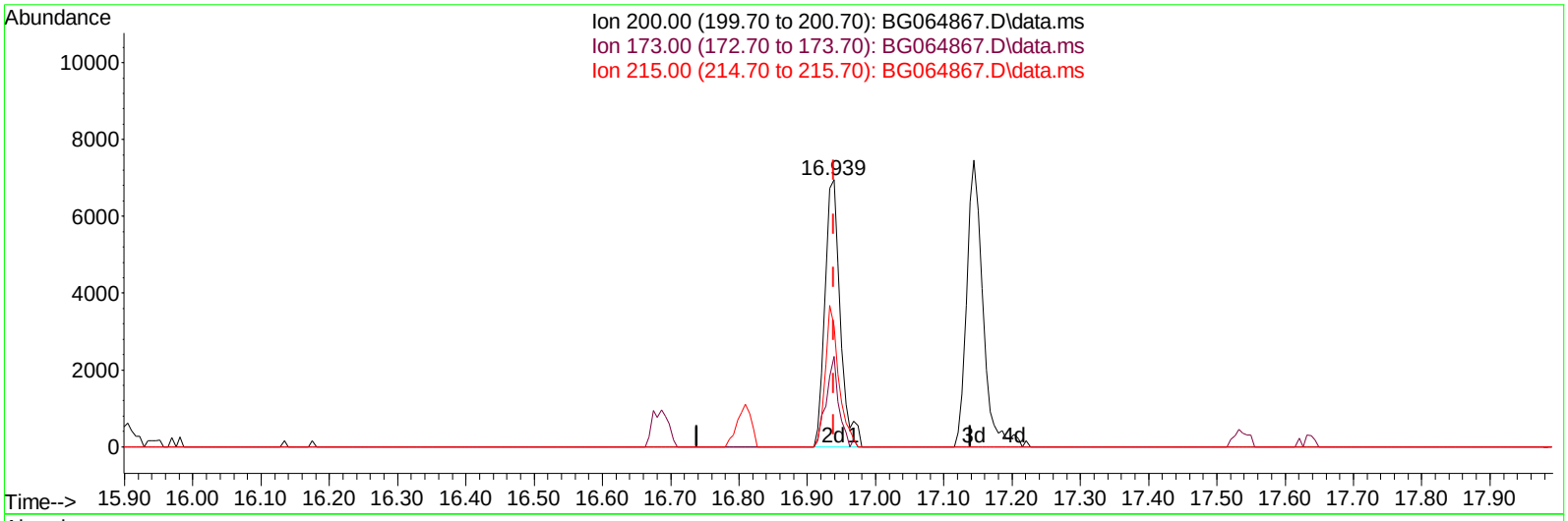
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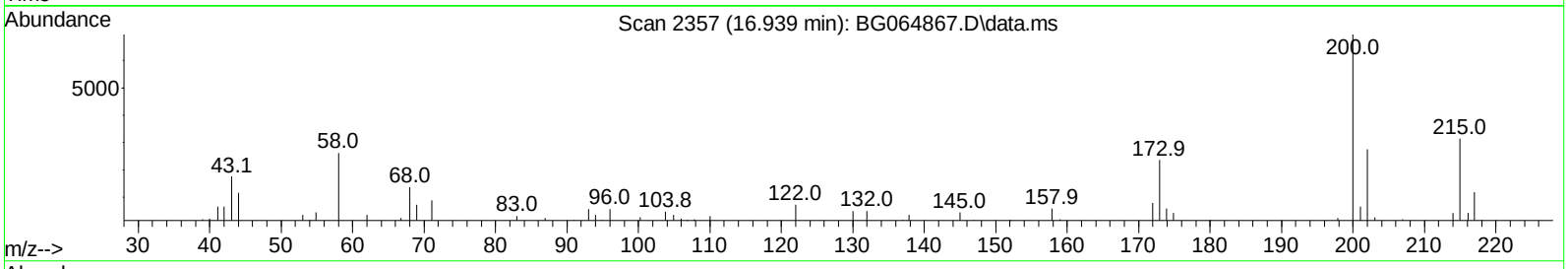
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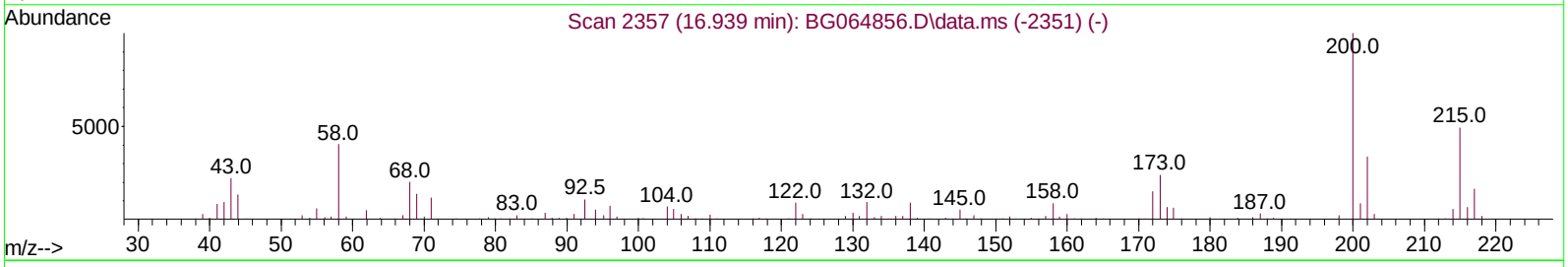
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Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(70) Atrazine

16.939min (+ 0.000) 3.12 ng/ul m

response 10815

Ion	Exp%	Act%
200.00	100.00	100.00
173.00	23.30	33.88#
215.00	48.80	45.23
0.00	0.00	0.00

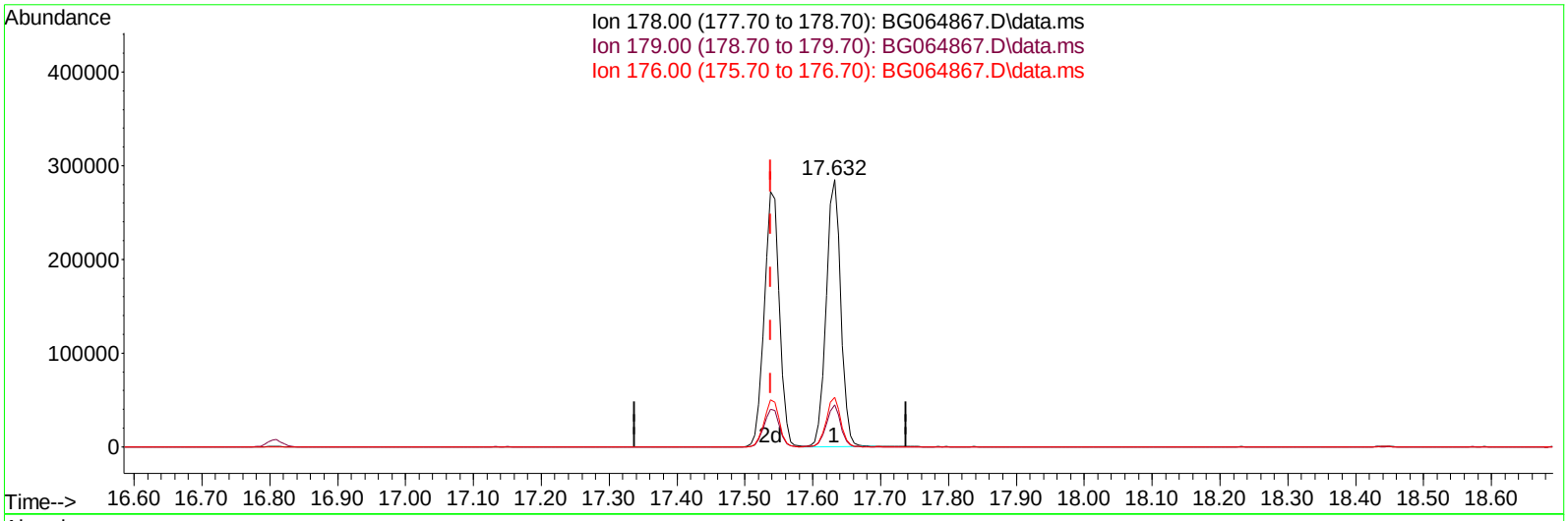
Quantitation Report (Qedit)

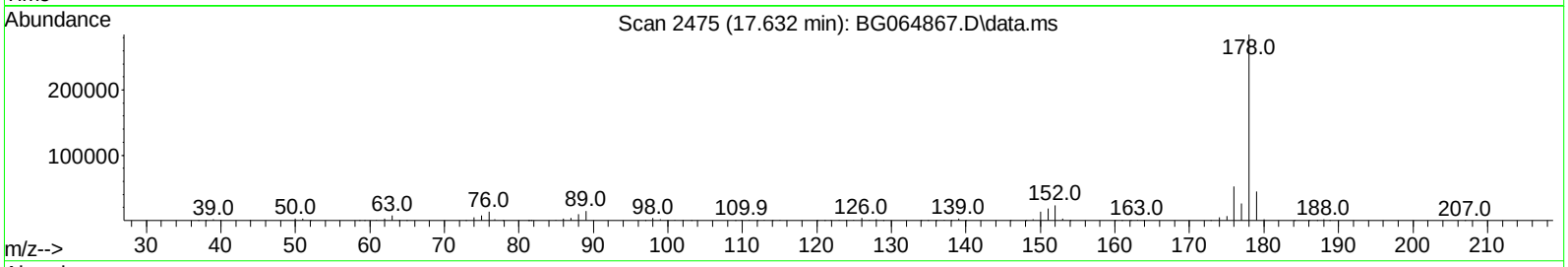
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

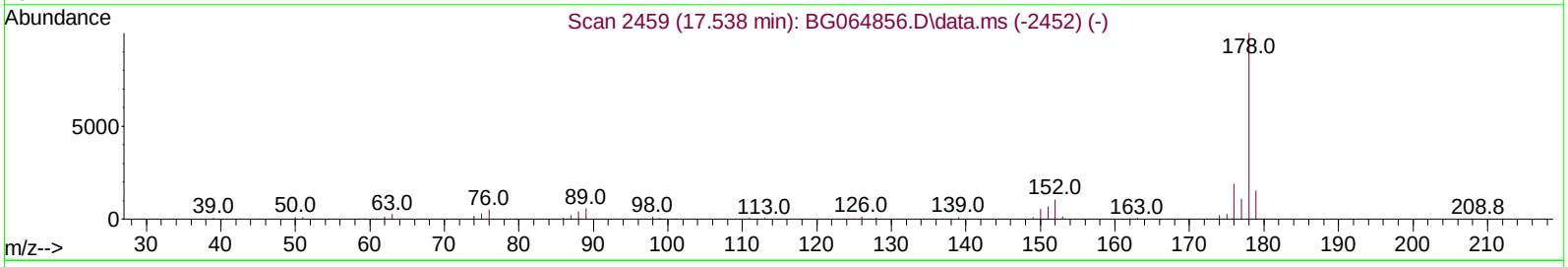
Quant Time: Nov 26 07:18:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(72) Phenanthrene

17.632min (+ 0.094) 19.28 ng/ul

response 425098

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.90	15.66
176.00	18.90	18.50
0.00	0.00	0.00

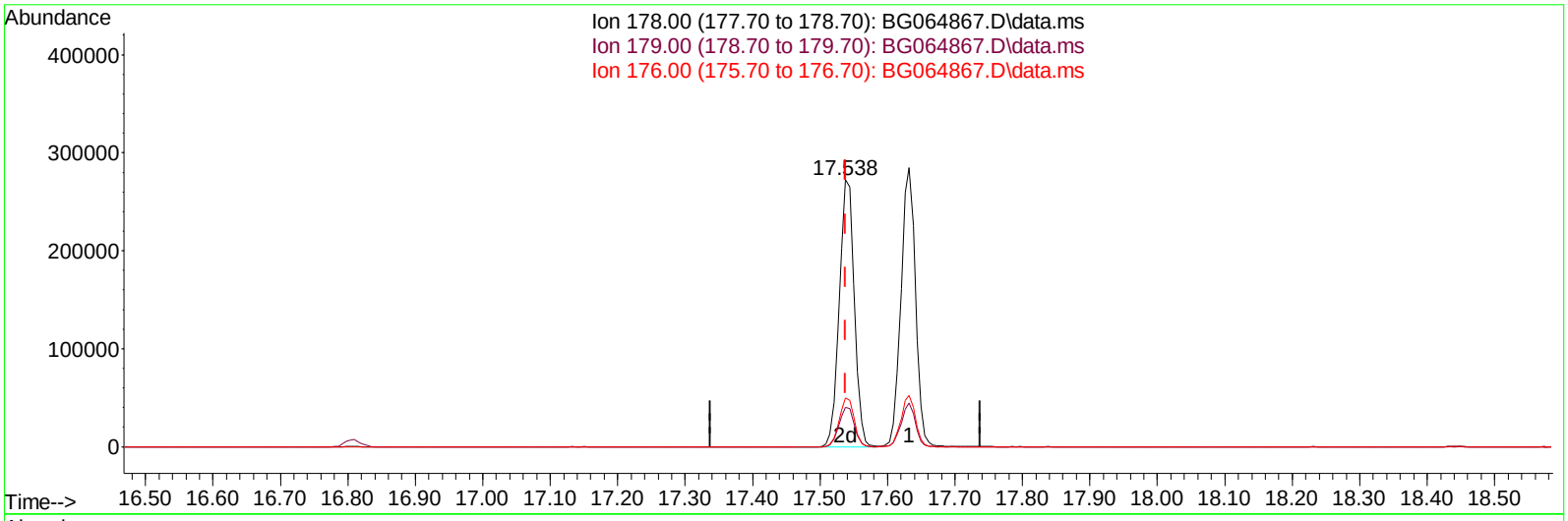
Quantitation Report (Qedit)

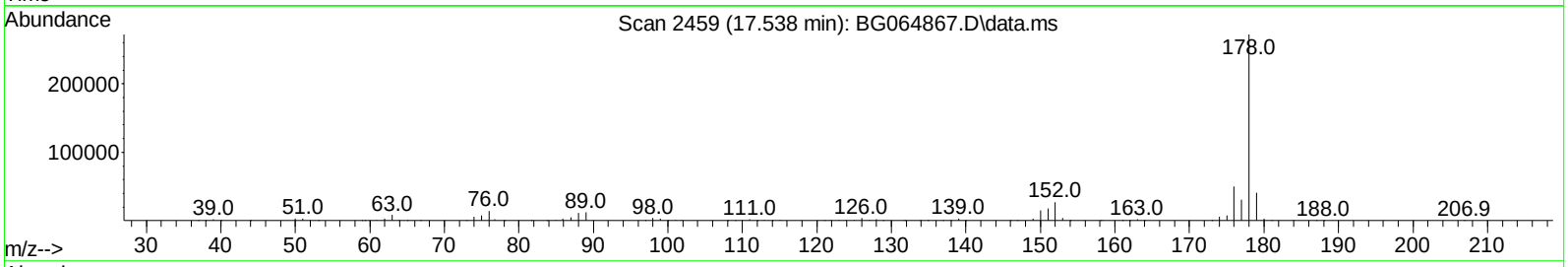
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

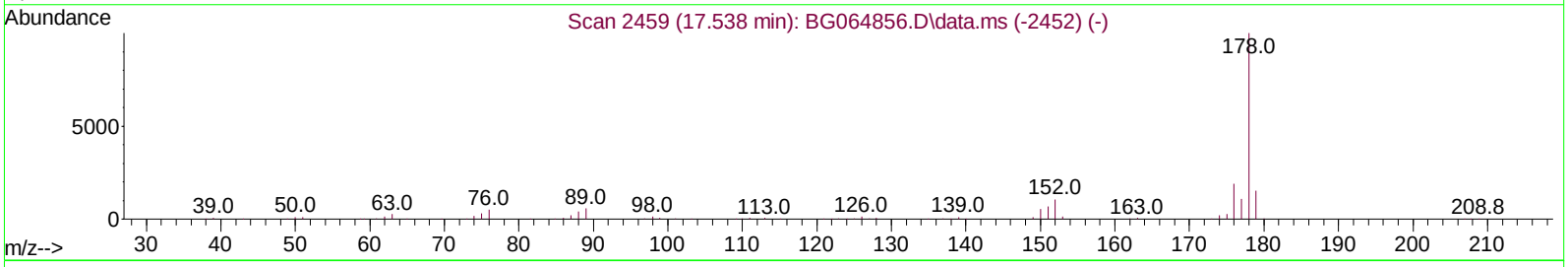
Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(72) Phenanthrene

17.538min (+ 0.000) 28.00 ng/ul m

response 421841

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.90	14.81
176.00	18.90	18.28
0.00	0.00	0.00

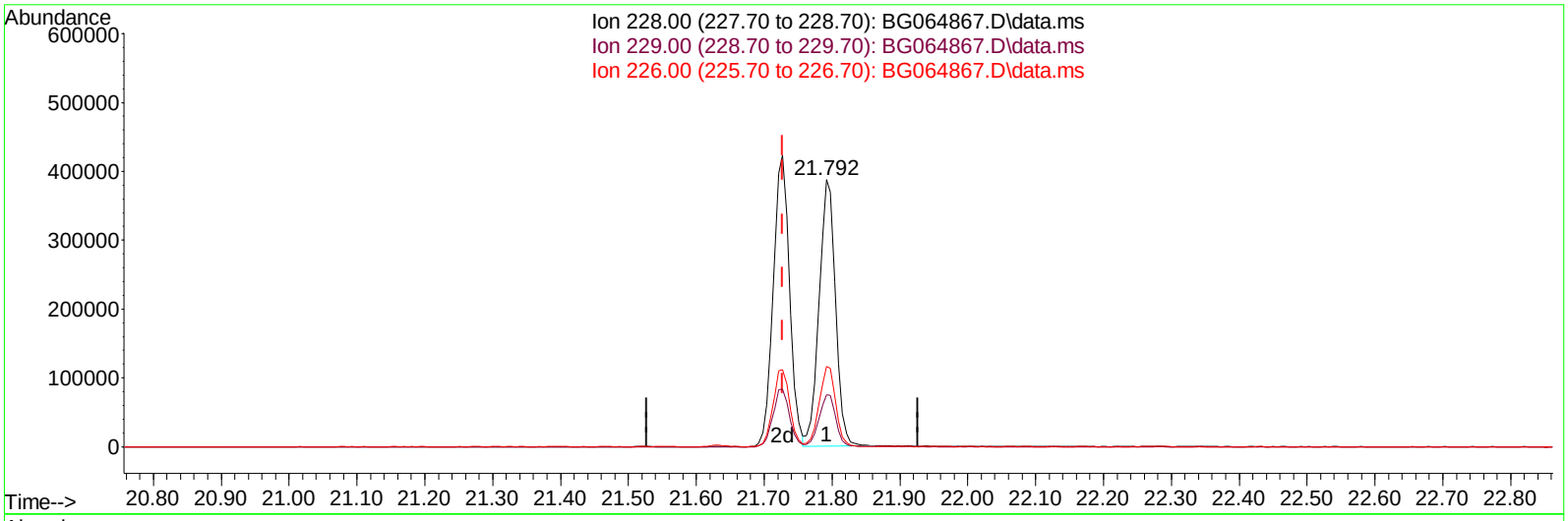
Quantitation Report (Qedit)

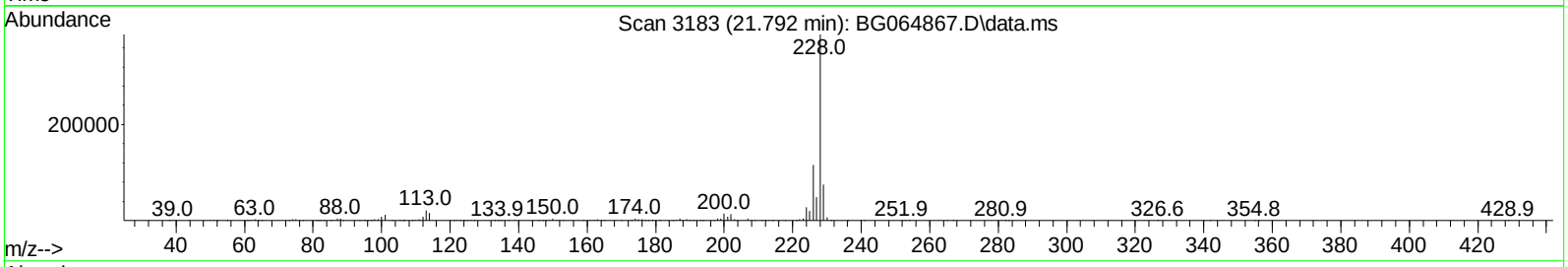
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

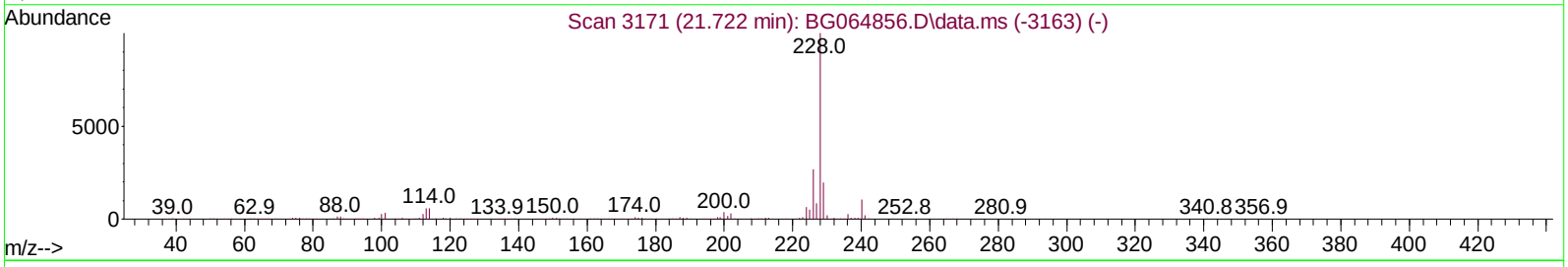
Quant Time: Nov 26 07:18:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(85) Benzo(a)anthracene

21.792min (+ 0.065) 14740.30 ng/ul

response 648283

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.00	19.51
226.00	27.00	29.99
0.00	0.00	0.00

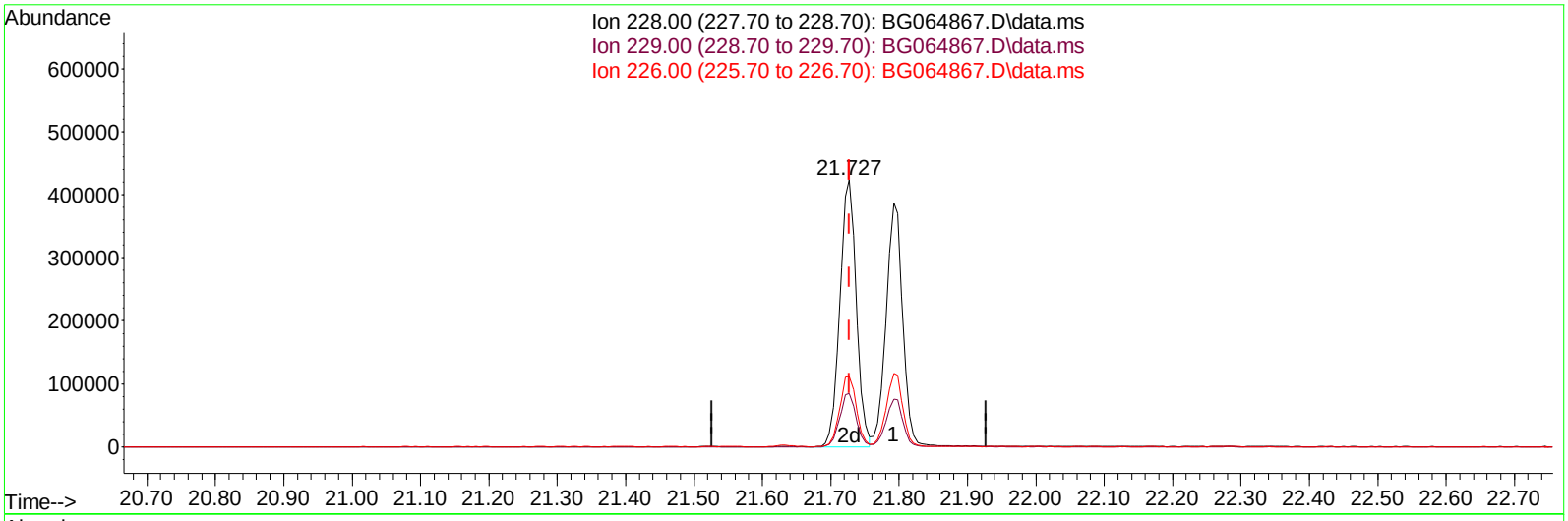
Quantitation Report (Qedit)

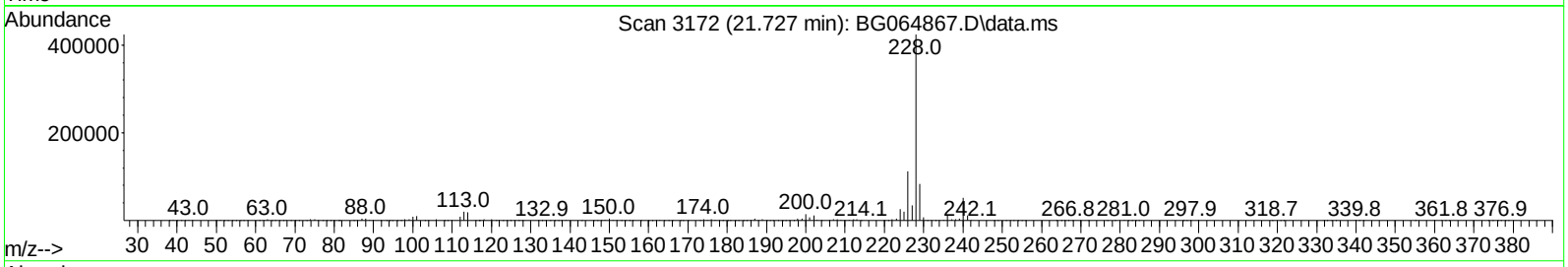
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

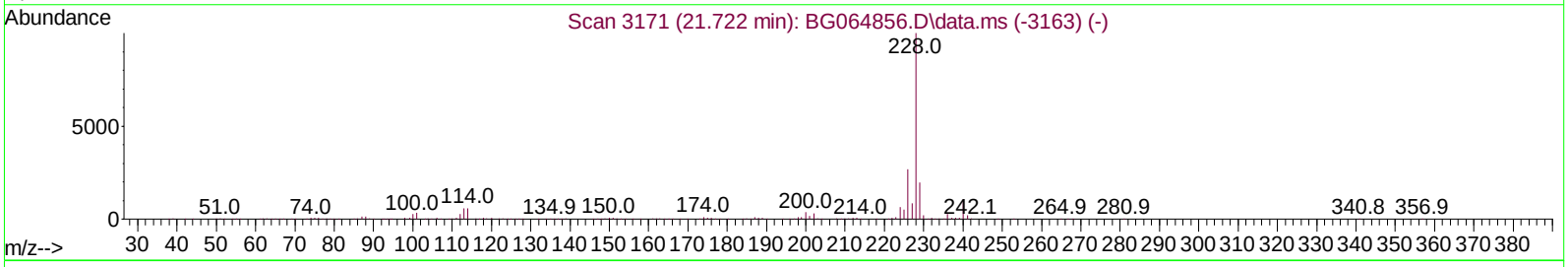
Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(85) Benzo(a)anthracene

21.727min (+ 0.000) 28.46 ng/ul m

response 708554

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.00	19.84
226.00	27.00	26.37
0.00	0.00	0.00

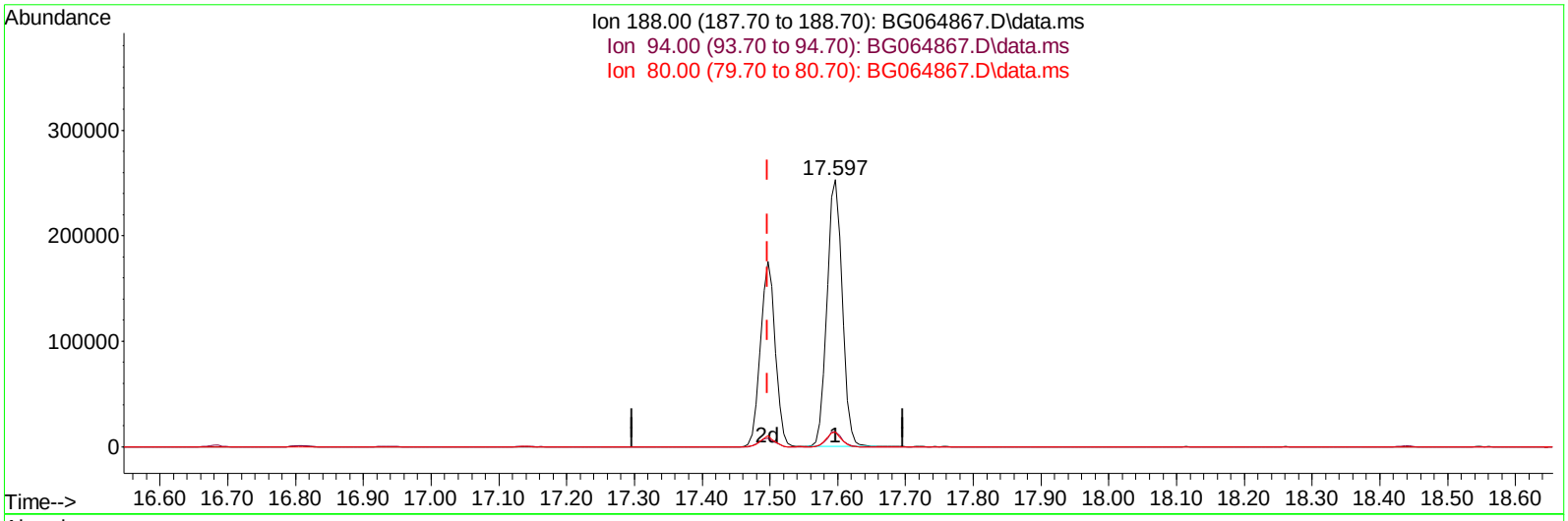
Quantitation Report (Qedit)

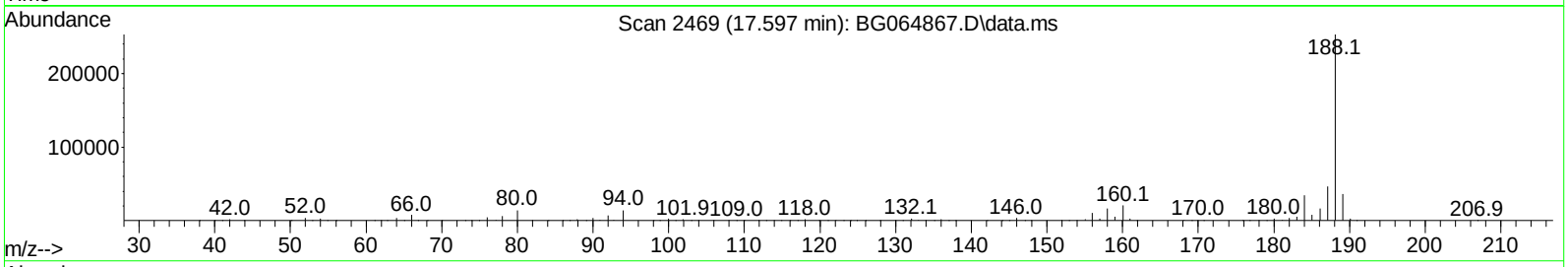
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

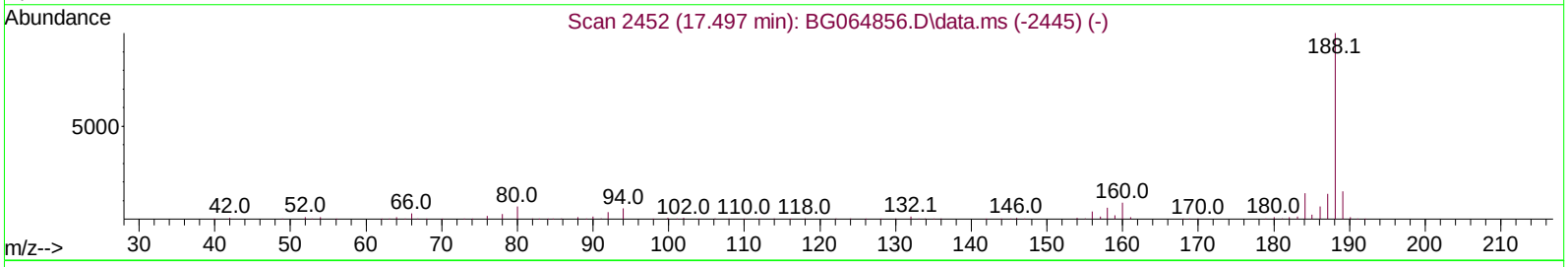
Quant Time: Nov 26 07:18:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(64) Phenanthrene-d10 (I)

17.597min (+ 0.100) 20.00 ng/ul

response 394258

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	6.30	5.64
80.00	6.90	5.66
0.00	0.00	0.00

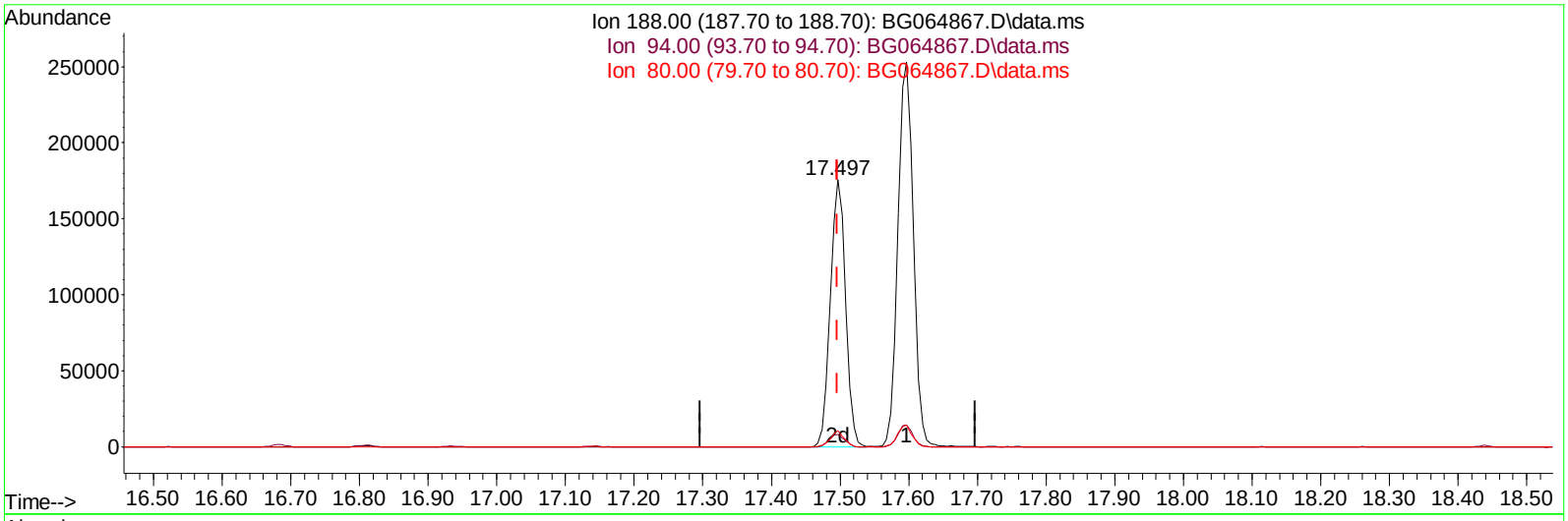
Quantitation Report (Qedit)

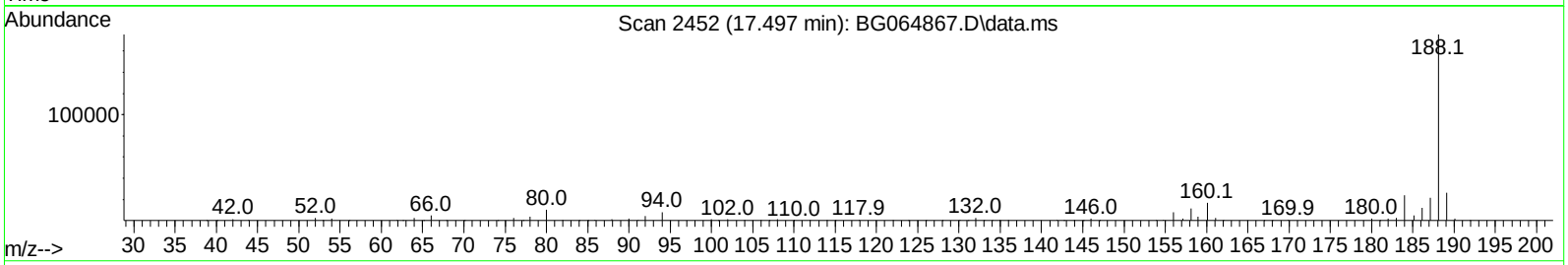
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

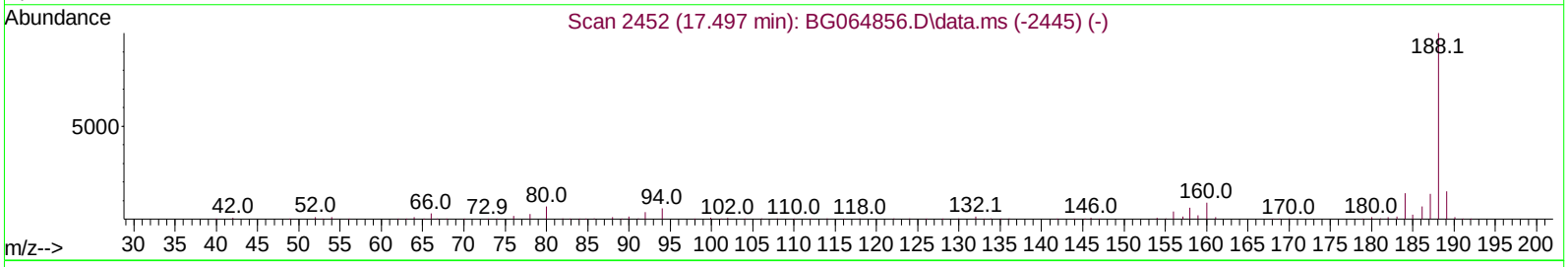
Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(64) Phenanthrene-d10 (I)

17.497min (+ 0.000) 20.00 ng/ul m

response 269446

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	6.30	4.62#
80.00	6.90	5.98
0.00	0.00	0.00

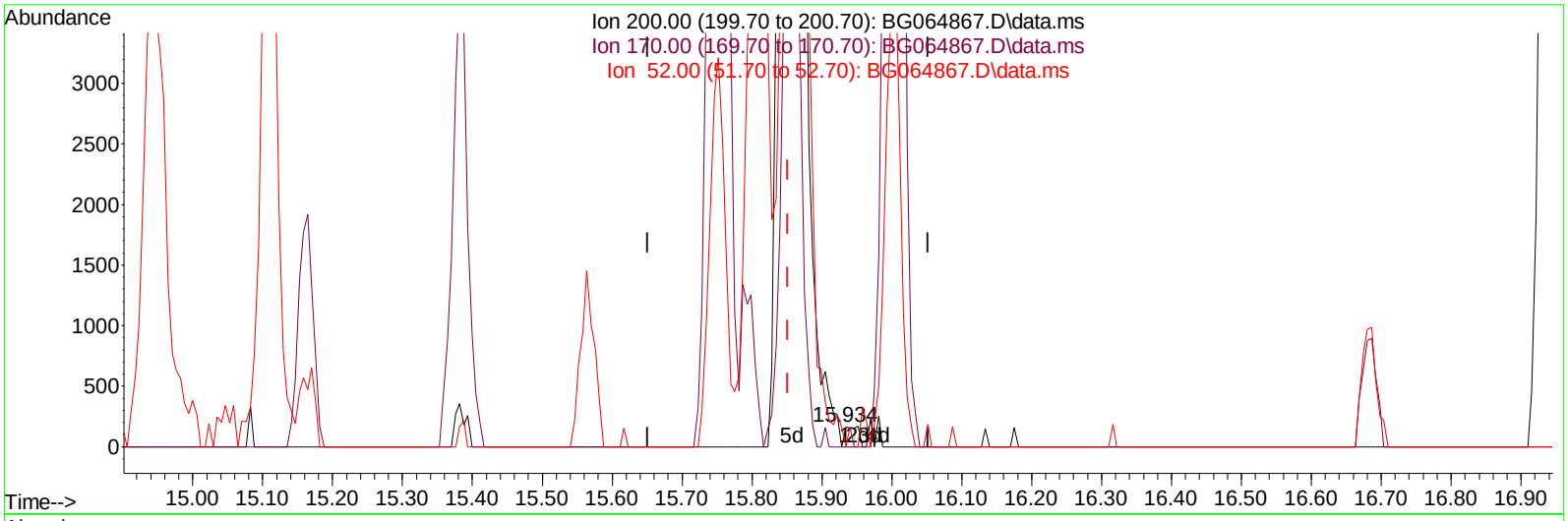
Quantitation Report (Qedit)

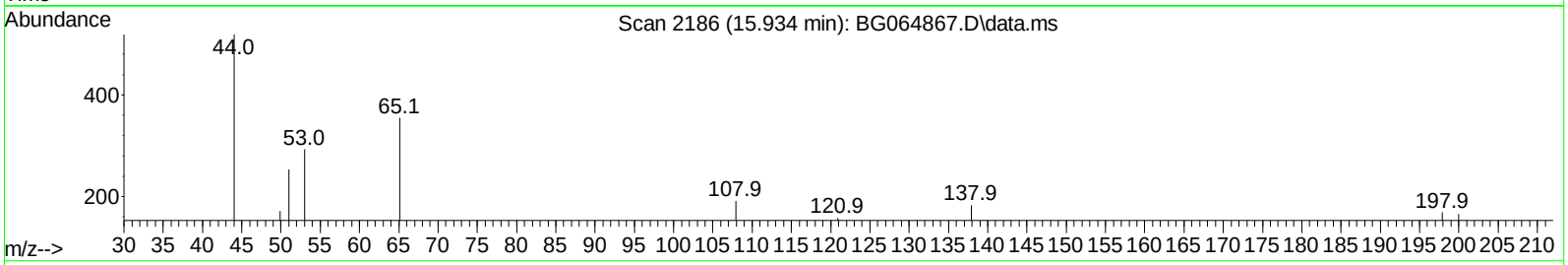
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

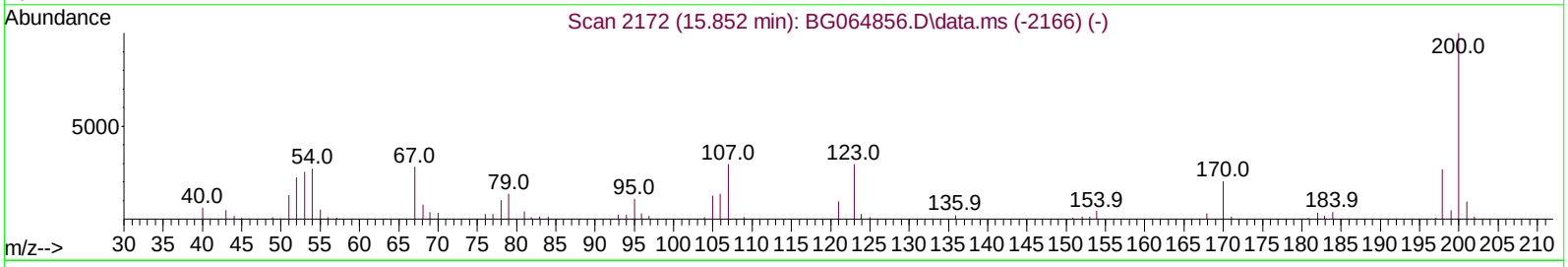
Quant Time: Nov 26 07:18:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.934min (+ 0.082) 0.07 ng/ul

response 167

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	19.40	0.00#
52.00	32.20	0.00#
0.00	0.00	0.00

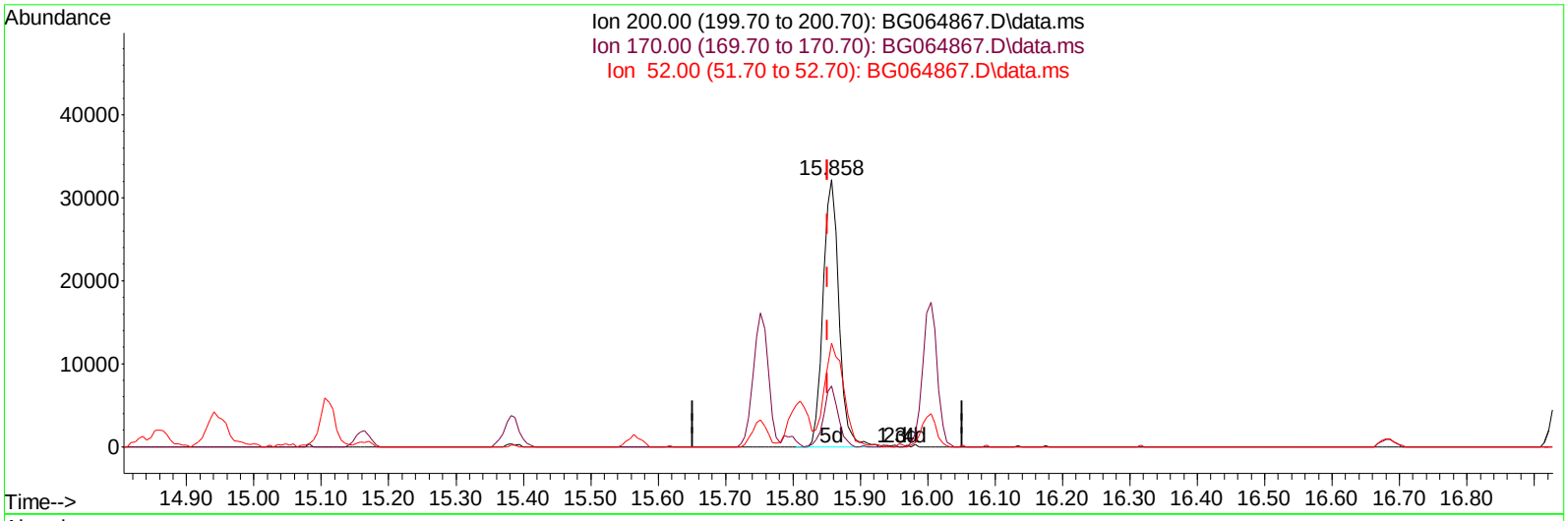
Quantitation Report (Qedit)

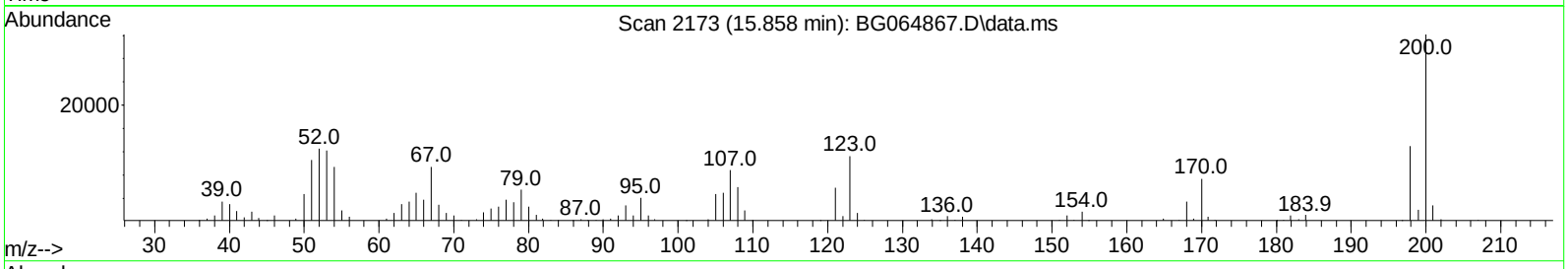
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

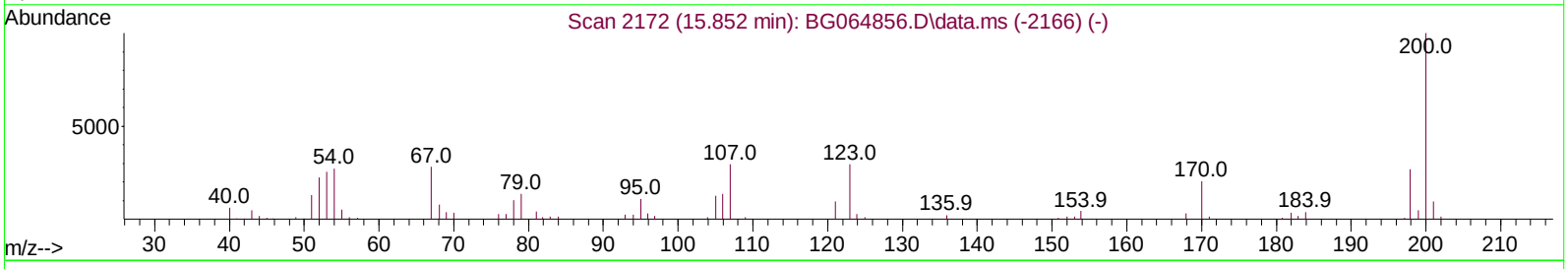
Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.858min (+ 0.006) 30.70 ng/ul m

response 52959

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	19.40	22.87
52.00	32.20	38.88#
0.00	0.00	0.00

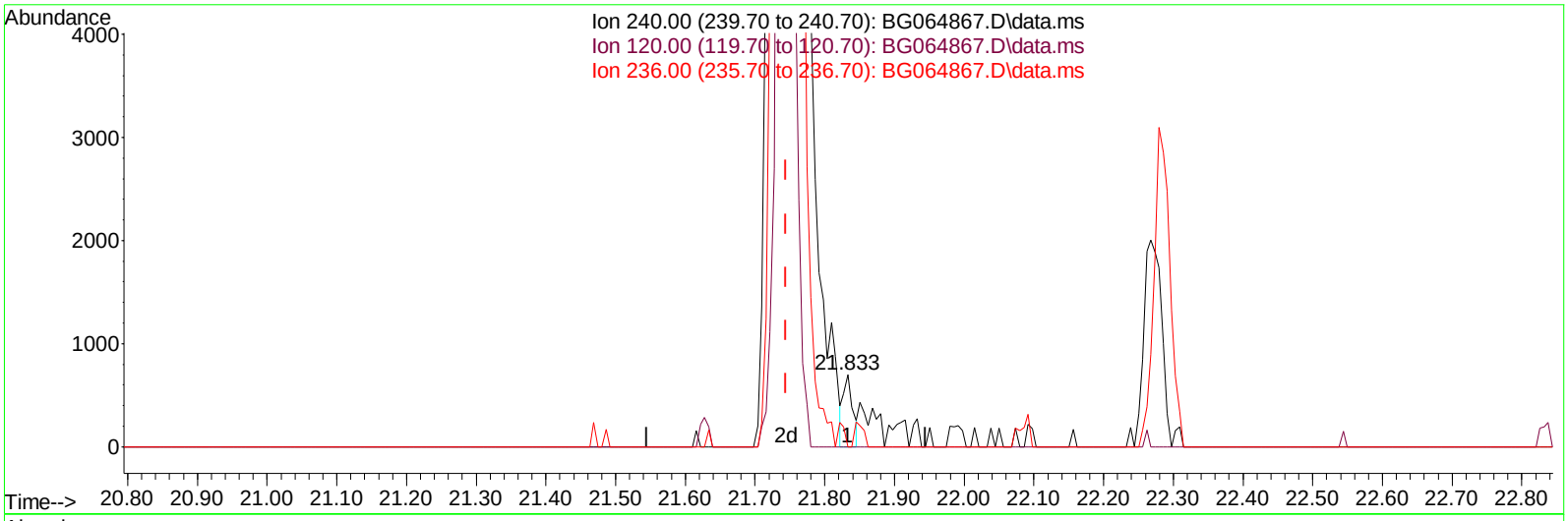
Quantitation Report (Qedit)

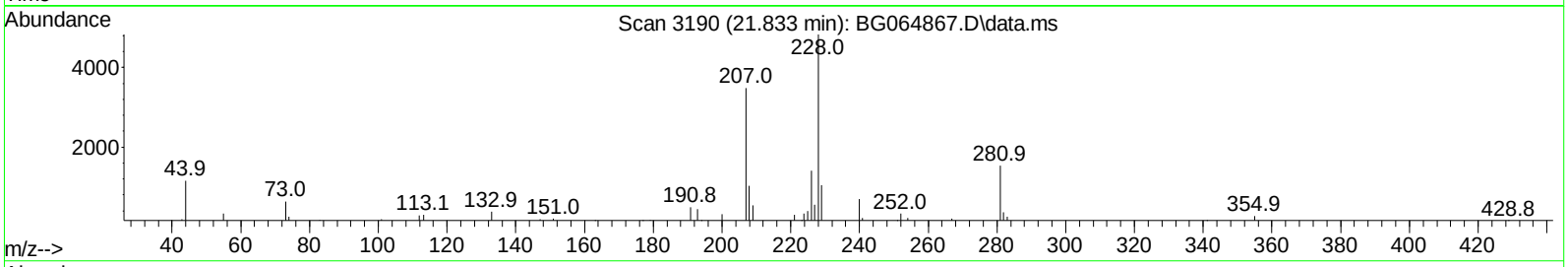
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

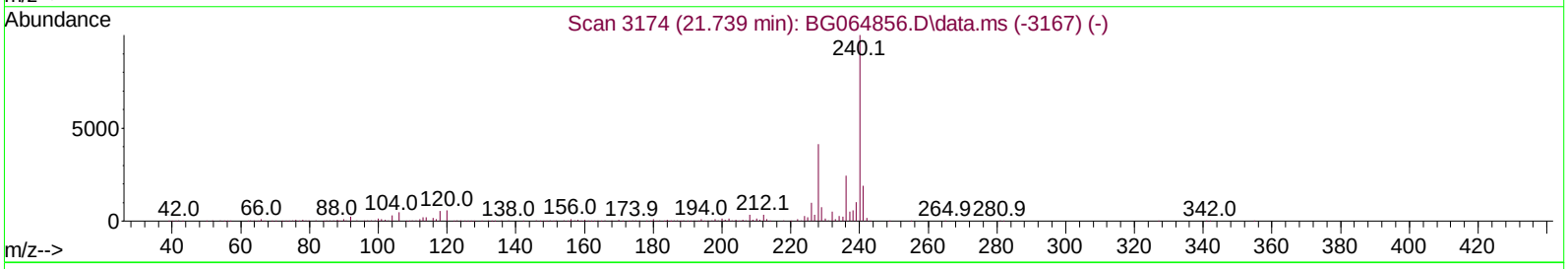
Quant Time: Nov 26 07:18:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(79) Chrysene-d12 (I)

21.833min (+ 0.088) 20.00 ng/ul

response 656

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	5.80	0.00#
236.00	25.60	0.00#
0.00	0.00	0.00

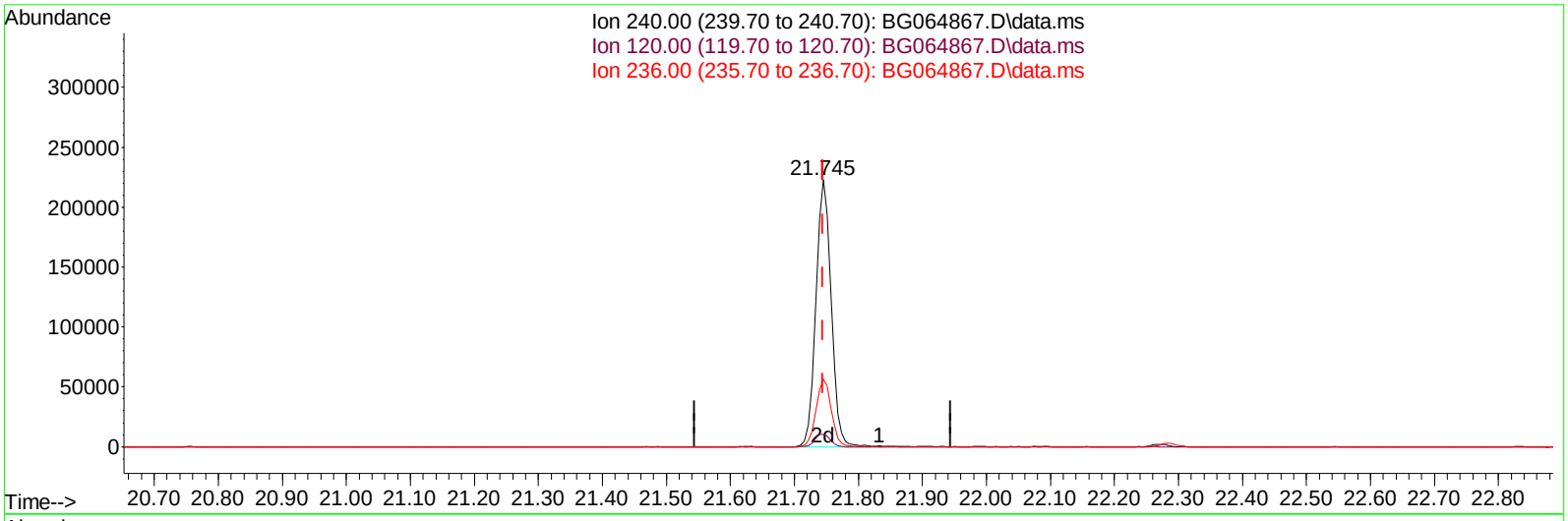
Quantitation Report (Qedit)

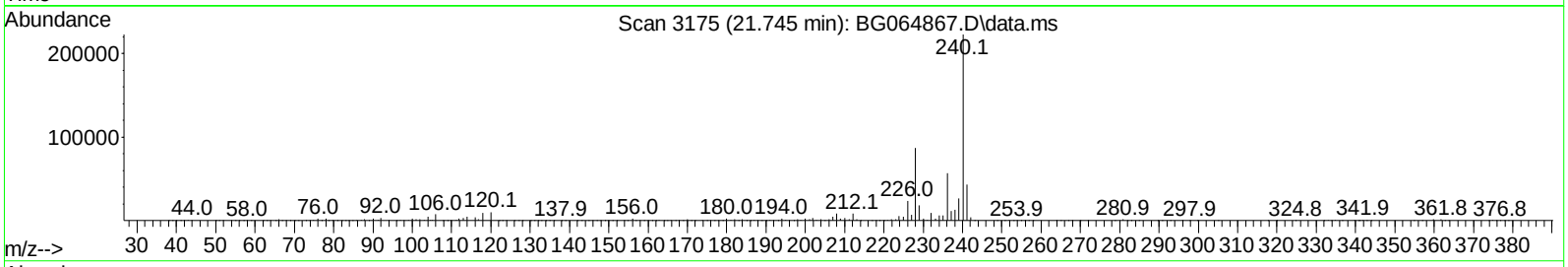
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

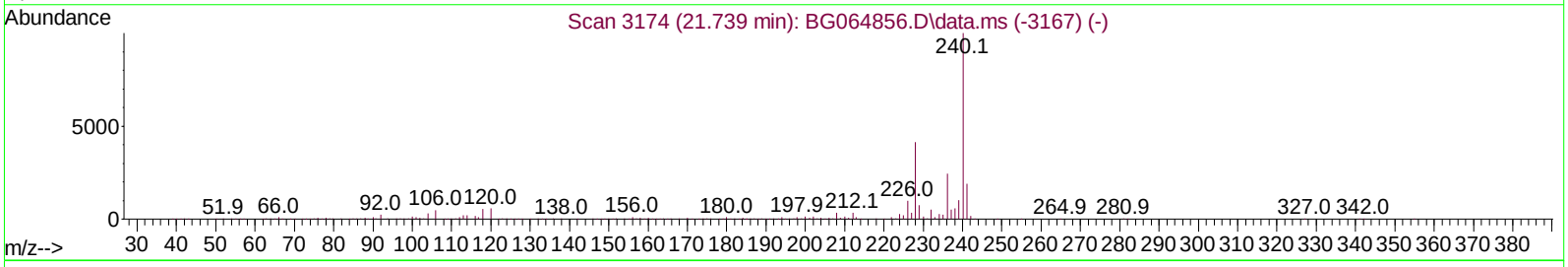
Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064867.D\data.ms

(79) Chrysene-d12 (I)

21.745min (+ 0.000) 20.00 ng/ul m

response 371388

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	5.80	4.57#
236.00	25.60	25.45
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	27899	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	107933	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.765	164	101535	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	269446m	20.000	ng/ul	0.00
79) Chrysene-d12	21.745	240	371388m	20.000	ng/ul	0.00
88) Perylene-d12	25.000	264	398646	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	2842	4.038	ng/uL	0.00
4) Pyridine-d5	3.913	84	41688	21.495	ng/ul	0.00
7) Phenol-d5	7.297	99	63123	28.067	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.468	67	35352	24.578	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	52231	30.634	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	53433	27.566	ng/ul	0.00
21) Nitrobenzene-d5	9.318	128	25030	30.746	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	30616	31.663	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	65097	32.653	ng/ul	0.00
31) 4-Chloroaniline-d4	11.099	131	54184	21.263	ng/ul	0.00
46) Dimethylphthalate-d6	14.166	166	227911	28.536	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	241525	28.237	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	36319	29.994	ng/ul	0.00
60) Fluorene-d10	15.752	176	210094	29.301	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	52959m	30.699	ng/ul	0.00
73) Anthracene-d10	17.597	188	393926	28.933	ng/ul	0.00
81) Pyrene-d10	19.865	212	543596	28.495	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.777	264	624289	29.682	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.519	88	5697	6.997	ng/uL#	83
5) Pyridine	3.930	79	42059	19.806	ng/ul	94
6) Benzaldehyde	7.285	77	4049m	3.665	ng/ul	
8) Phenol	7.327	94	63527	27.059	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.562	93	43215	24.890	ng/ul	98
12) 2-Chlorophenol	7.720	128	50857	28.164	ng/ul	99
13) 2-Methylphenol	8.590	108	48363	26.022	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.672	45	88931	24.397	ng/ul	99
16) Acetophenone	8.977	105	80174	25.146	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.960	70	38318	25.053	ng/ul#	89
18) 4-Methylphenol	8.919	108	54736	26.843	ng/ul	90
19) Hexachloroethane	9.254	117	20379	25.288	ng/ul	97
22) Nitrobenzene	9.359	77	59052	28.242	ng/ul	99
23) Isophorone	9.888	82	109021	26.616	ng/ul#	97
25) 2-Nitrophenol	10.076	139	30522	30.026	ng/ul#	93
26) 2,4-Dimethylphenol	10.129	107	55964	25.559	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.364	93	58418	25.430	ng/ul	98
29) 2,4-Dichlorophenol	10.611	162	61082	32.851	ng/ul	98
30) Naphthalene	11.022	128	172108	27.747	ng/ul	97
32) 4-Chloroaniline	11.122	127	40352	15.558	ng/ul	97
33) Hexachlorobutadiene	11.310	225	61563	31.566	ng/ul	92
34) Caprolactam	11.862	113	17042m	26.231	ng/ul	
35) 4-Chloro-3-methylphenol	12.227	107	62647	30.940	ng/ul	91

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064867.D
Acq On : 25 Nov 2025 19:19
Operator : RC/JU
Sample : PB170719BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 02:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS719

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.614	142	130747	28.128 ng/ul	99
37) 1-Methylnaphthalene	12.832	142	128624	28.271 ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.979	216	113082	28.988 ng/ul	98
40) Hexachlorocyclopentadiene	12.961	237	56365	20.856 ng/ul	92
41) 2,4,6-Trichlorophenol	13.208	196	61902	28.706 ng/ul	95
42) 2,4,5-Trichlorophenol	13.284	196	68166	30.000 ng/ul	98
43) 1,1'-Biphenyl	13.607	154	191084	26.732 ng/ul	99
44) 2-Chloronaphthalene	13.654	162	149129	26.575 ng/ul	99
45) 2-Nitroaniline	13.842	65	47605	28.536 ng/ul	96
47) Dimethylphthalate	14.213	163	222230	27.266 ng/ul	98
48) 2,6-Dinitrotoluene	14.330	165	43450	29.053 ng/ul	96
50) Acenaphthylene	14.495	152	248893	25.434 ng/ul	97
51) 3-Nitroaniline	14.659	138	36866	28.421 ng/ul	99
52) Acenaphthene	14.829	153	182244	28.402 ng/ul	99
53) 2,4-Dinitrophenol	14.859	184	27762	31.565 ng/ul#	87
55) 4-Nitrophenol	14.959	109	37261	33.289 ng/ul	87
56) Dibenzofuran	15.164	168	276577	28.239 ng/ul	99
57) 2,4-Dinitrotoluene	15.111	165	71163	31.275 ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.382	232	77200	30.004 ng/ul	96
59) Diethylphthalate	15.564	149	229161	28.628 ng/ul	98
61) Fluorene	15.805	166	219975	28.633 ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.799	204	142332	30.380 ng/ul	97
63) 4-Nitroaniline	15.811	138	47027	35.211 ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.869	198	52160m	31.112 ng/ul	
67) N-Nitrosodiphenylamine	16.005	169	195961	27.062 ng/ul	97
68) 4-Bromophenyl-phenylether	16.686	248	108618	30.237 ng/ul	98
69) Hexachlorobenzene	16.810	284	130335	29.908 ng/ul	97
70) Atrazine	16.939	200	10815m	3.122 ng/ul	
71) Pentachlorophenol	17.144	266	66753	27.585 ng/ul	97
72) Phenanthrene	17.538	178	421841m	27.999 ng/ul	
74) Anthracene	17.632	178	423470	28.021 ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.578	216	112836	27.855 ng/ul	96
76) Pentachlorobenzene	15.088	250	135457	29.434 ng/ul	98
77) Carbazole	17.891	167	350957	28.477 ng/ul	98
78) Di-n-butylphthalate	18.443	149	418882	29.385 ng/ul#	98
80) Fluoranthene	19.536	202	582208	27.246 ng/ul#	95
82) Pyrene	19.894	202	630323	28.260 ng/ul#	96
83) Butylbenzylphthalate	20.764	149	202392	27.478 ng/ul	98
84) 3,3'-Dichlorobenzidine	21.633	252	221695	28.031 ng/ul	100
85) Benzo(a)anthracene	21.727	228	708554m	28.457 ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.622	149	290924	26.706 ng/ul	99
87) Chrysene	21.792	228	646053	26.807 ng/ul	99
89) Di-n-octyl phthalate	22.844	149	481768	26.520 ng/ul	100
90) Benzo(b)fluoranthene	23.966	252	704677	28.710 ng/ul#	98
91) Benzo(k)fluoranthene	24.036	252	718474	28.607 ng/ul	97
93) Benzo(a)pyrene	24.847	252	649235	27.812 ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.719	276	1059698	35.335 ng/ul	99
95) Dibenzo(a,h)anthracene	28.778	278	874377	36.140 ng/ul	100
96) Benzo(g,h,i)perylene	29.877	276	801430	33.107 ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS721

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170721BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064892.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	31	
117-81-7	Bis(2-ethylhexyl)phthalate	28	

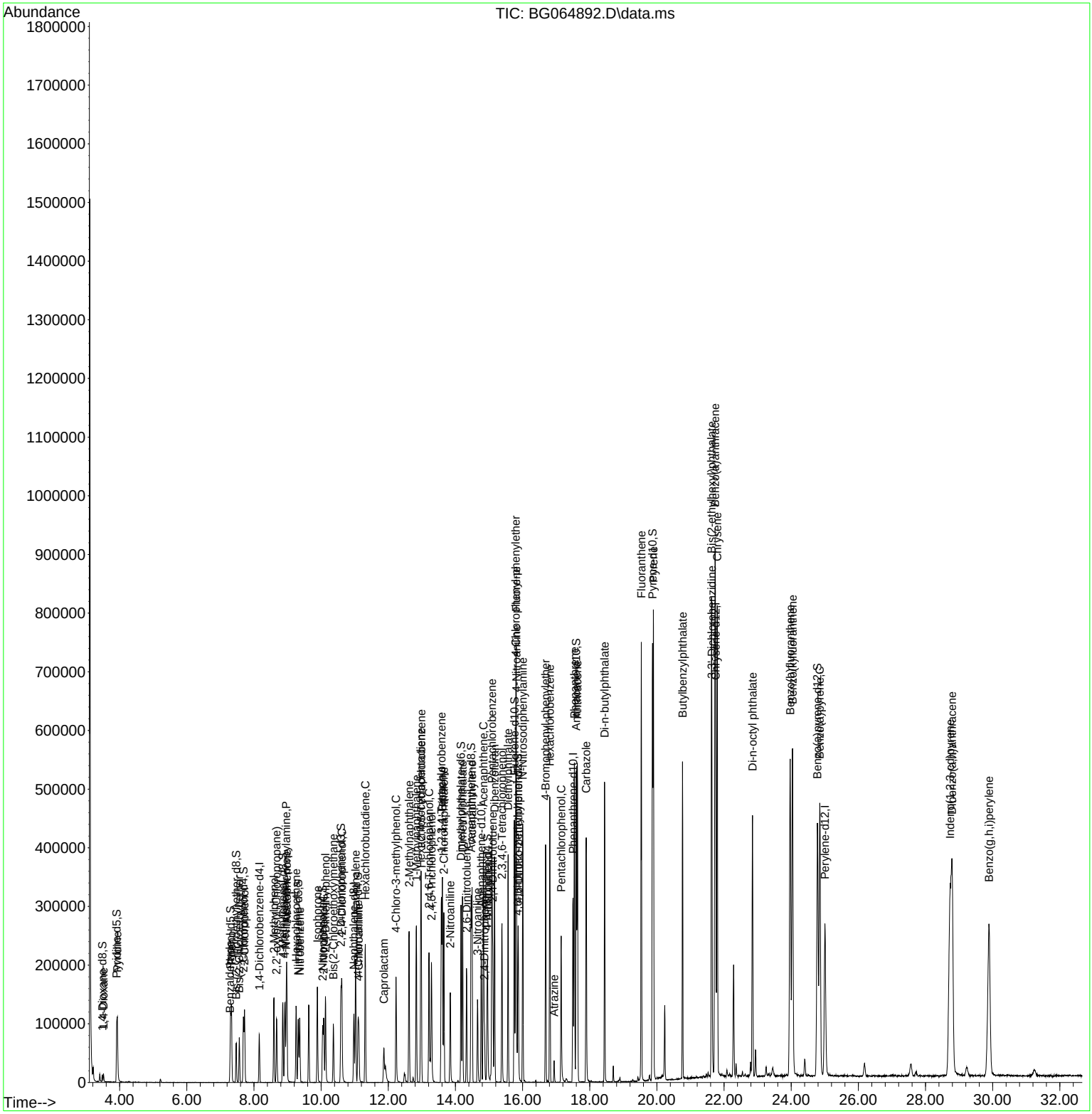
Quantitation Report (QT Reviewed)

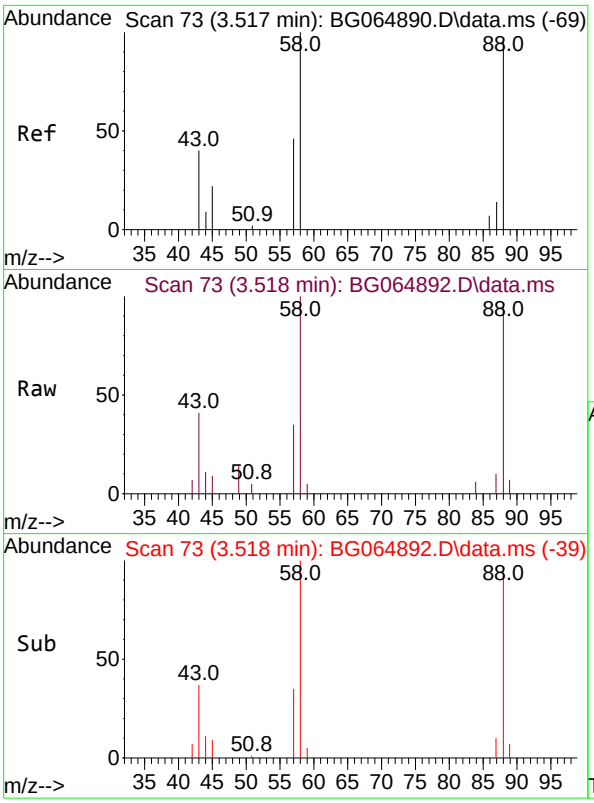
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Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 01 11:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

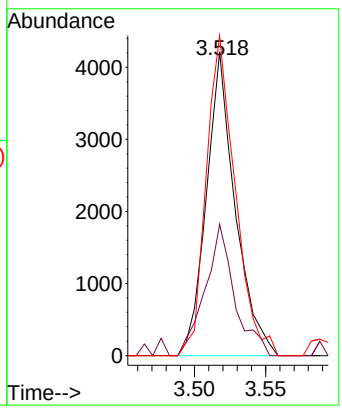




#2
1,4-Dioxane
Concen: 8.493 ng/uL
RT: 3.518 min Scan# 73
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

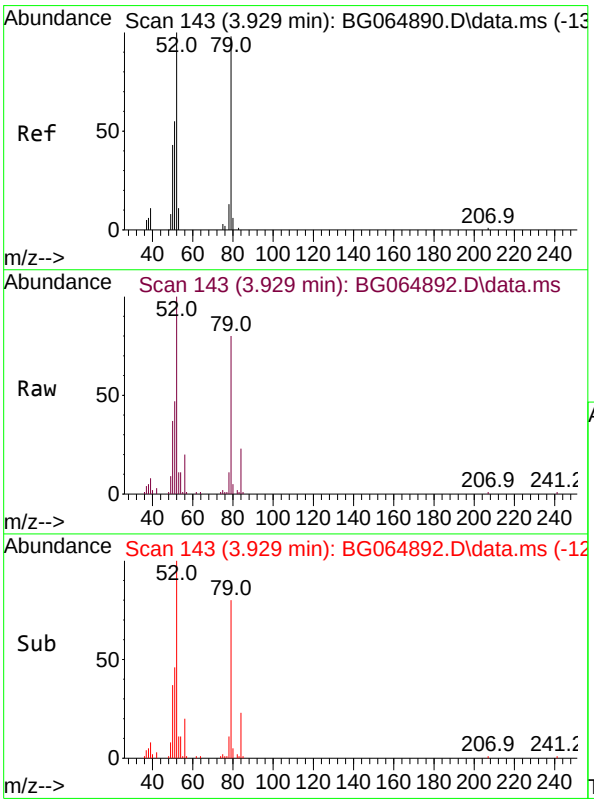
Tgt Ion: 88 Resp: 5952

Ion	Ratio	Lower	Upper
88	100		
43	43.2	29.6	44.4
58	105.4	87.8	131.6



Instrument :
BNA_G
ClientSampleId :
SLCS721

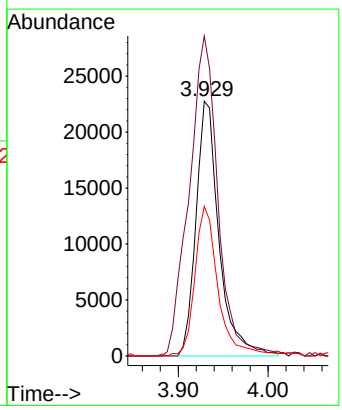
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

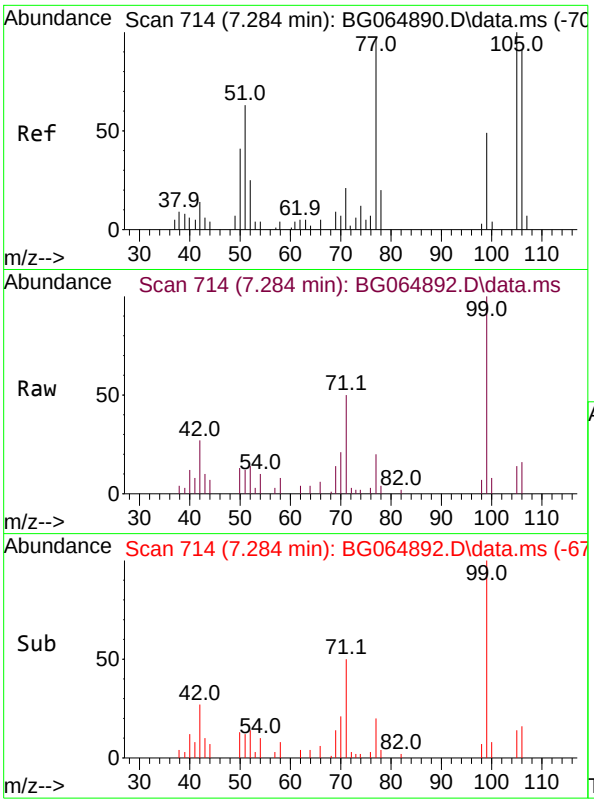


#5
Pyridine
Concen: 22.197 ng/ul
RT: 3.929 min Scan# 143
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion: 79 Resp: 40568

Ion	Ratio	Lower	Upper
79	100		
52	125.7	88.0	132.0
51	58.7	38.2	57.4#

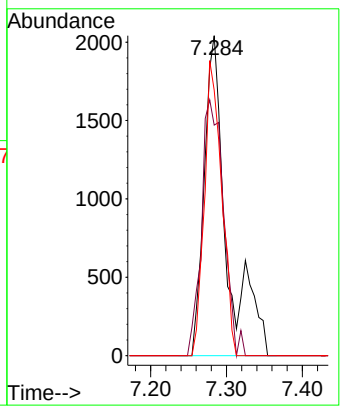


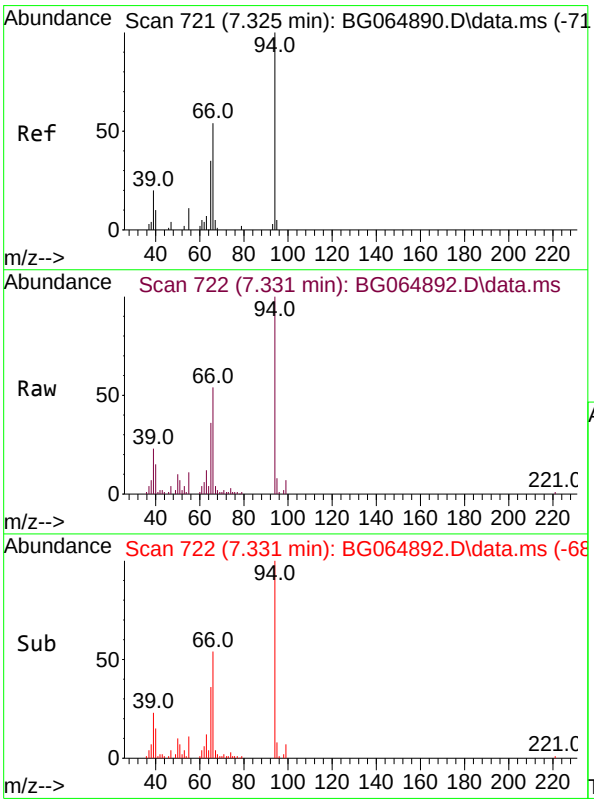


#6
Benzaldehyde
Concen: 4.405 ng/ul m
RT: 7.284 min Scan# 714
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion: 77 Resp: 4188

Ion	Ratio	Lower	Upper
77	100		
105	72.0	75.9	113.9#
106	82.9	74.3	111.5

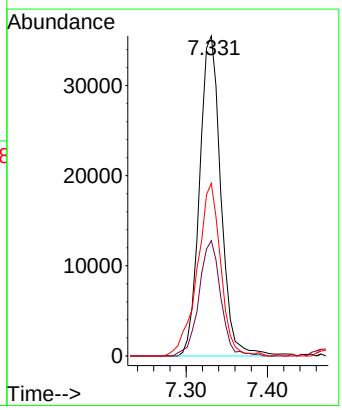




#8
Phenol
Concen: 31.940 ng/ul
RT: 7.331 min Scan# 722
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

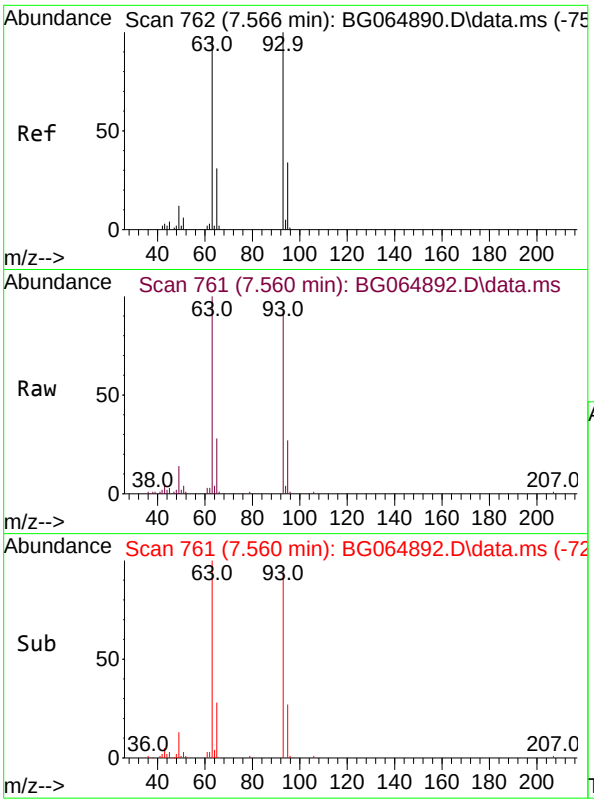
Tgt Ion: 94 Resp: 64540

Ion	Ratio	Lower	Upper
94	100		
65	36.1	27.5	41.3
66	53.9	38.5	57.7



Instrument :
BNA_G
ClientSampleId :
SLCS721

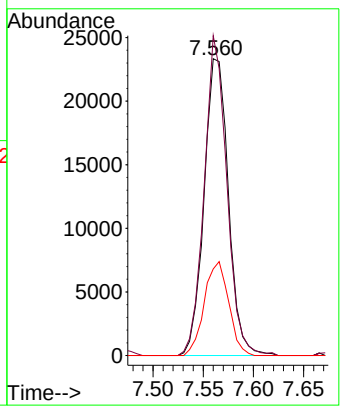
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



#10
Bis(2-Chloroethyl)ether
Concen: 26.358 ng/ul
RT: 7.560 min Scan# 761
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

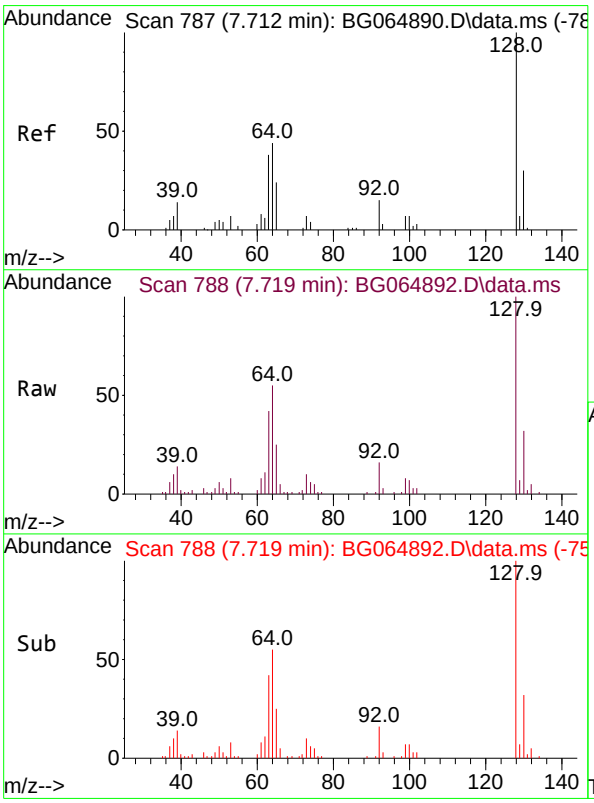
Tgt Ion: 93 Resp: 39388

Ion	Ratio	Lower	Upper
93	100		
63	107.8	81.4	122.2
95	29.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SLCS721

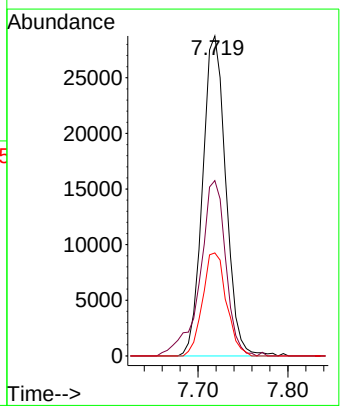
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

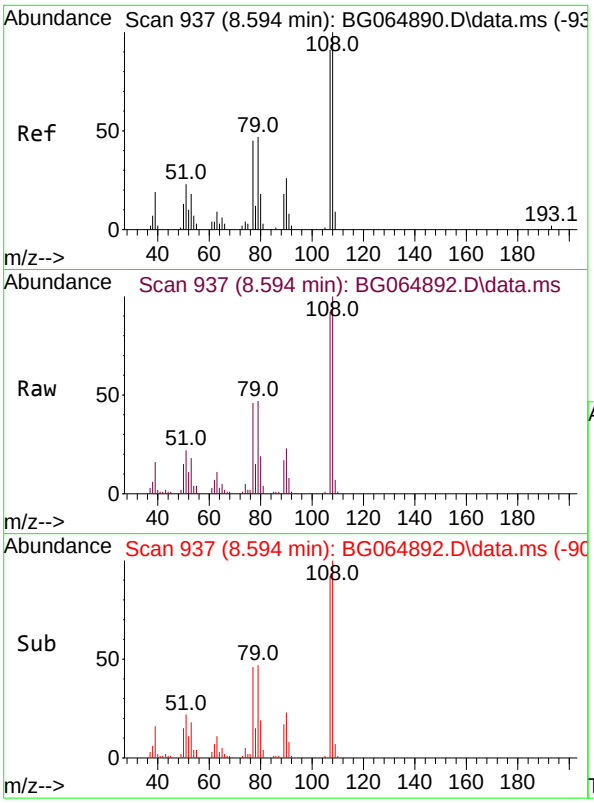


#12
2-Chlorophenol
Concen: 33.302 ng/ul
RT: 7.719 min Scan# 788
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:128 Resp: 51757

Ion	Ratio	Lower	Upper
128	100		
64	54.8	45.0	67.4
130	32.2	24.3	36.5

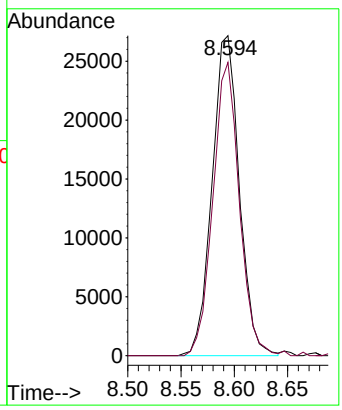


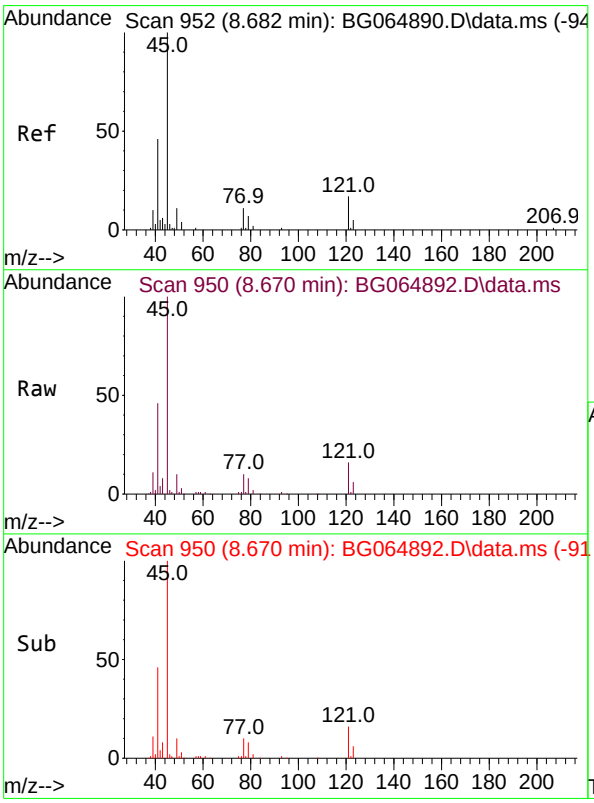


#13
2-Methylphenol
Concen: 30.141 ng/ul
RT: 8.594 min Scan# 937
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:108 Resp: 48214

Ion	Ratio	Lower	Upper
108	100		
107	91.6	72.8	109.2

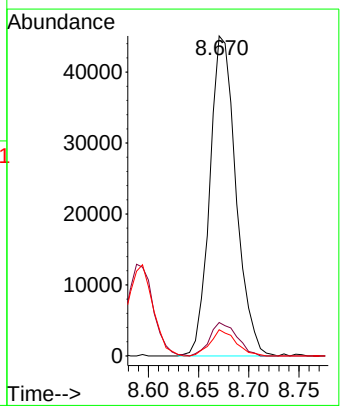




#14
2,2'-oxybis(1-Chloropropane)
Concen: 26.134 ng/ul
RT: 8.670 min Scan# 950
Delta R.T. -0.007 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

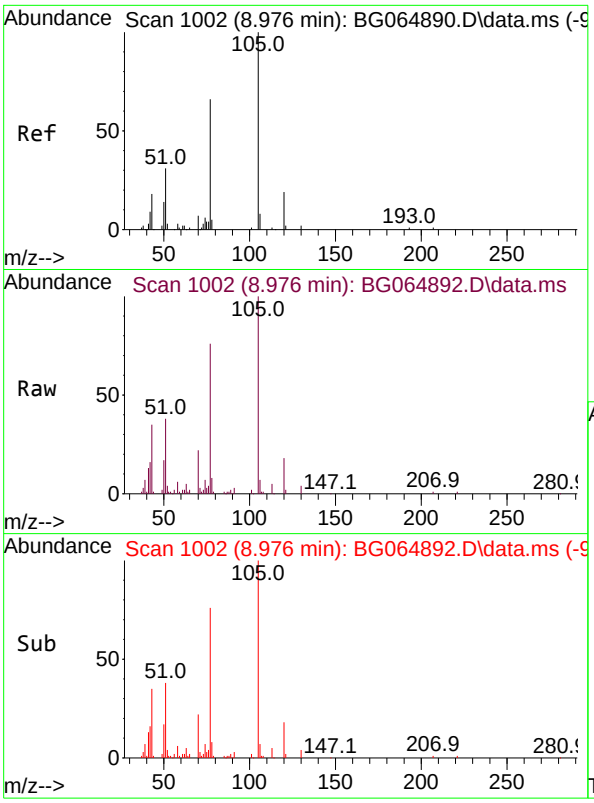
Tgt Ion: 45 Resp: 81990

Ion	Ratio	Lower	Upper
45	100		
77	10.4	8.6	12.8
79	8.2	6.6	9.8



Instrument :
BNA_G
ClientSampleId :
SLCS721

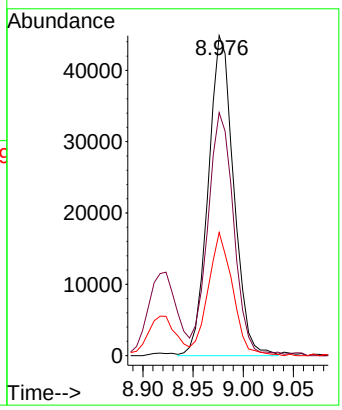
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



#16
Acetophenone
Concen: 28.844 ng/ul
RT: 8.976 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

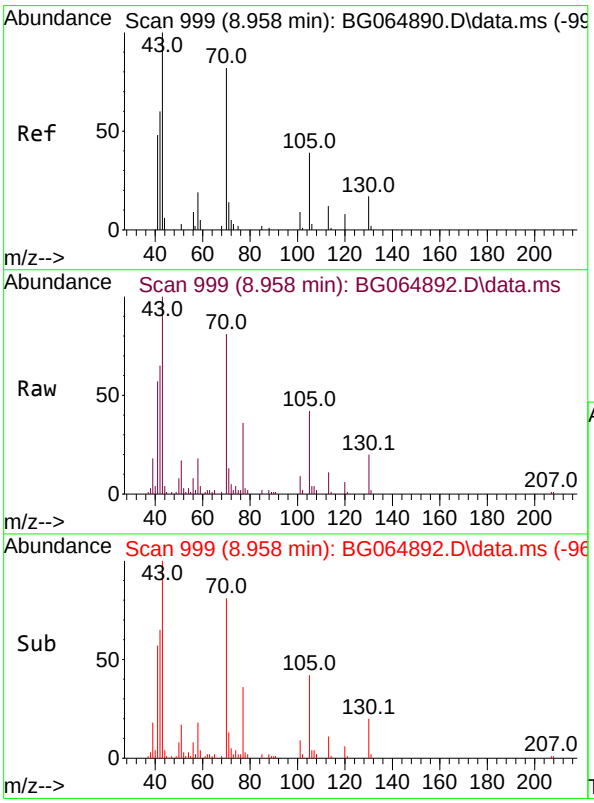
Tgt Ion:105 Resp: 79152

Ion	Ratio	Lower	Upper
105	100		
77	75.9	61.4	92.2
51	38.5	25.6	38.4#



Instrument :
BNA_G
ClientSampleId :
SLCS721

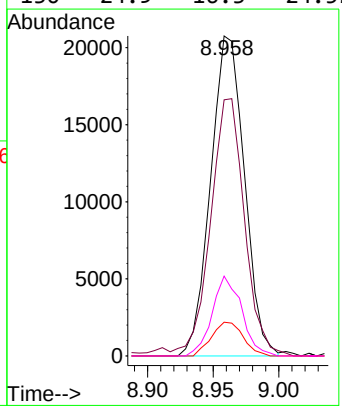
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

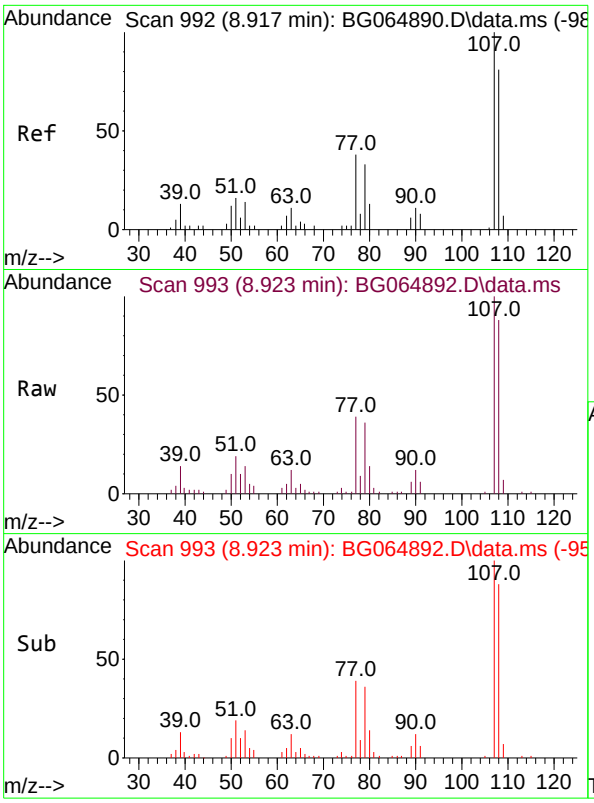


#17
N-Nitroso-di-n-propylamine
Concen: 28.274 ng/ul
RT: 8.958 min Scan# 999
Delta R.T. -0.002 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion: 70 Resp: 37220

Ion	Ratio	Lower	Upper
70	100		
42	80.0	53.0	79.4#
101	10.5	8.8	13.2
130	24.9	16.3	24.5#

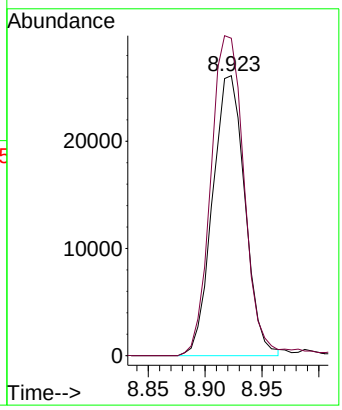




#18
4-Methylphenol
Concen: 29.396 ng/ul
RT: 8.923 min Scan# 993
Delta R.T. 0.010 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

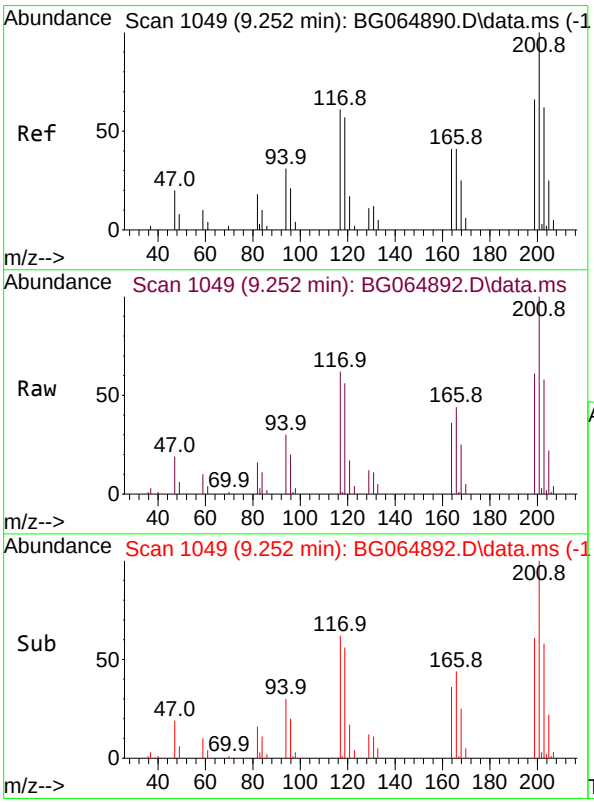
Tgt Ion:108 Resp: 51590

Ion	Ratio	Lower	Upper
108	100		
107	113.4	80.8	121.2



Instrument :
BNA_G
ClientSampleId :
SLCS721

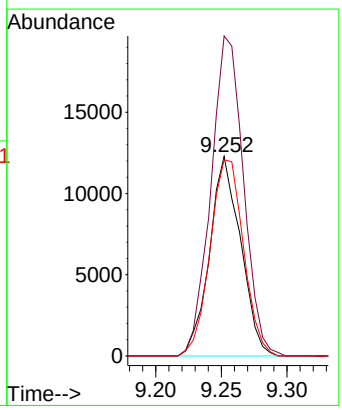
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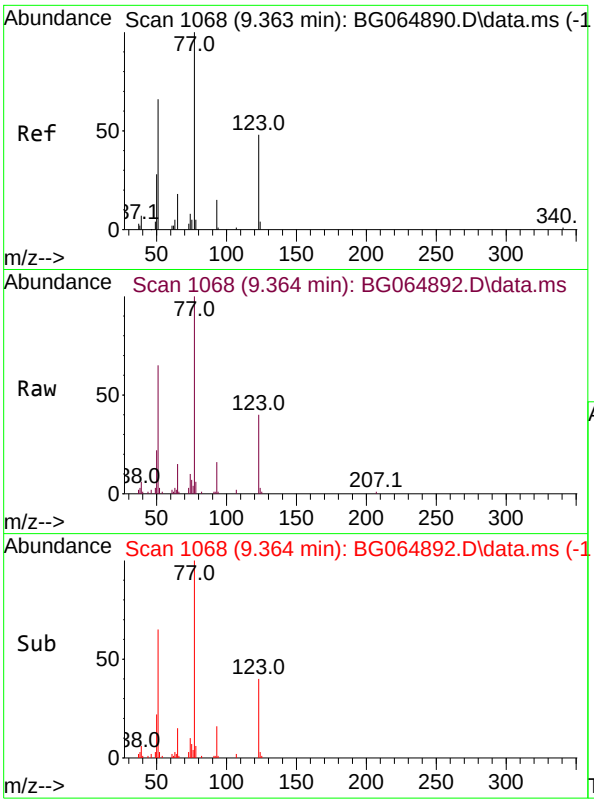


#19
Hexachloroethane
Concen: 29.137 ng/ul
RT: 9.252 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:117 Resp: 20209

Ion	Ratio	Lower	Upper
117	100		
201	157.3	121.7	182.5
199	96.4	81.0	121.4

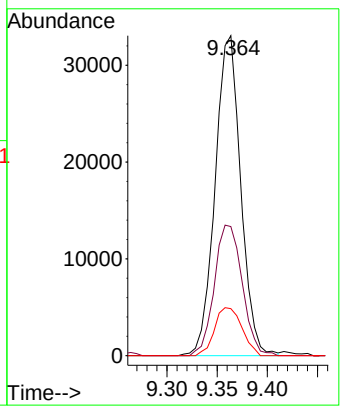


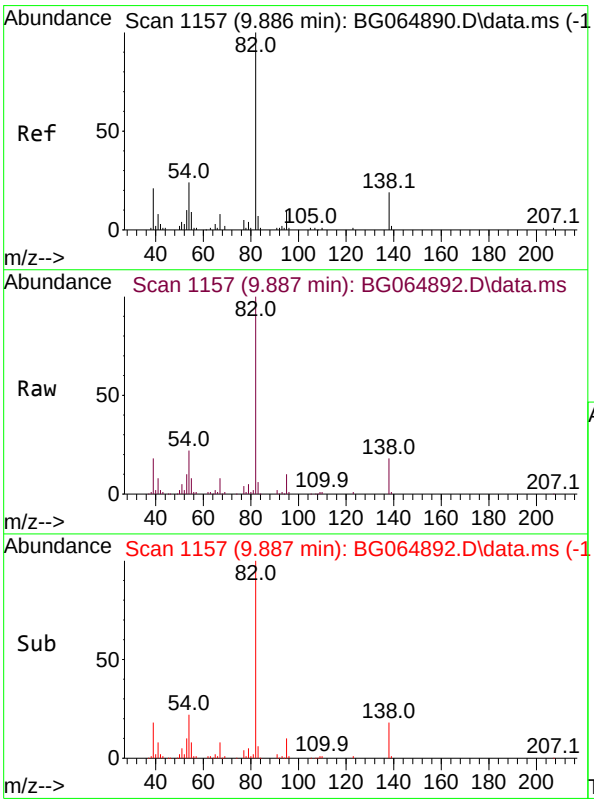


#22
Nitrobenzene
Concen: 31.568 ng/ul
RT: 9.364 min Scan# 1068
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion: 77 Resp: 58757

Ion	Ratio	Lower	Upper
77	100		
123	40.3	35.4	53.0
65	14.7	13.8	20.6

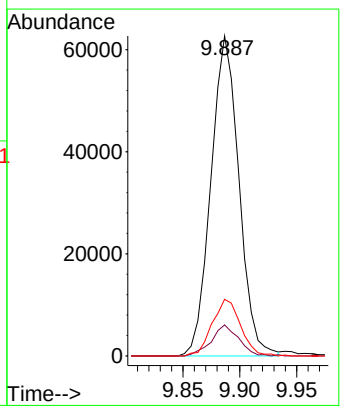




#23
Isophorone
Concen: 29.489 ng/ul
RT: 9.887 min Scan# 1157
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

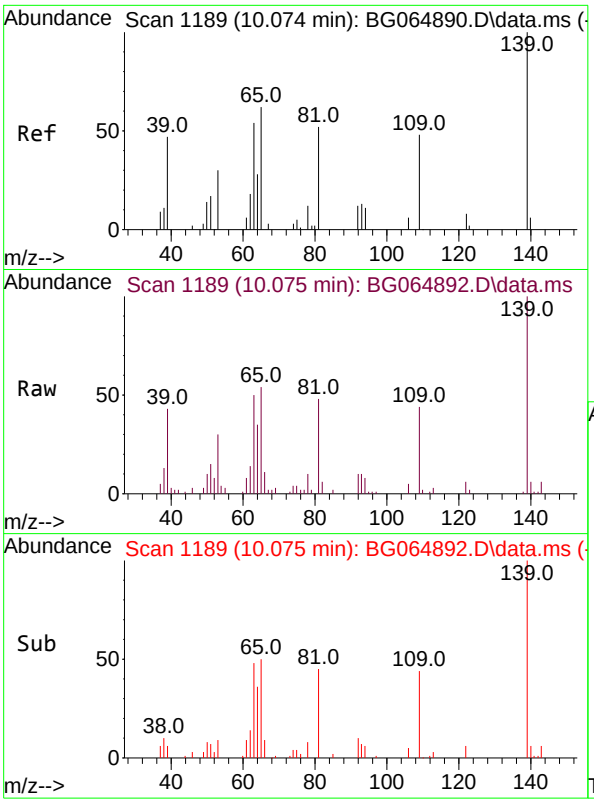
Tgt Ion: 82 Resp: 107522

Ion	Ratio	Lower	Upper
82	100		
95	9.7	6.2	9.2#
138	17.7	12.7	19.1



Instrument :
BNA_G
ClientSampleId :
SLCS721

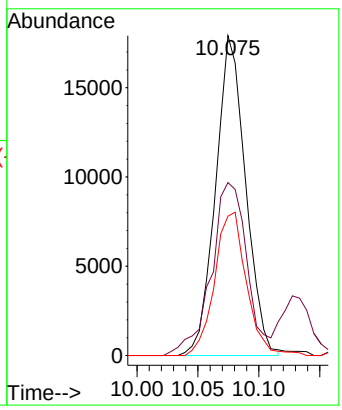
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#25
2-Nitrophenol
Concen: 33.908 ng/ul
RT: 10.075 min Scan# 1189
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

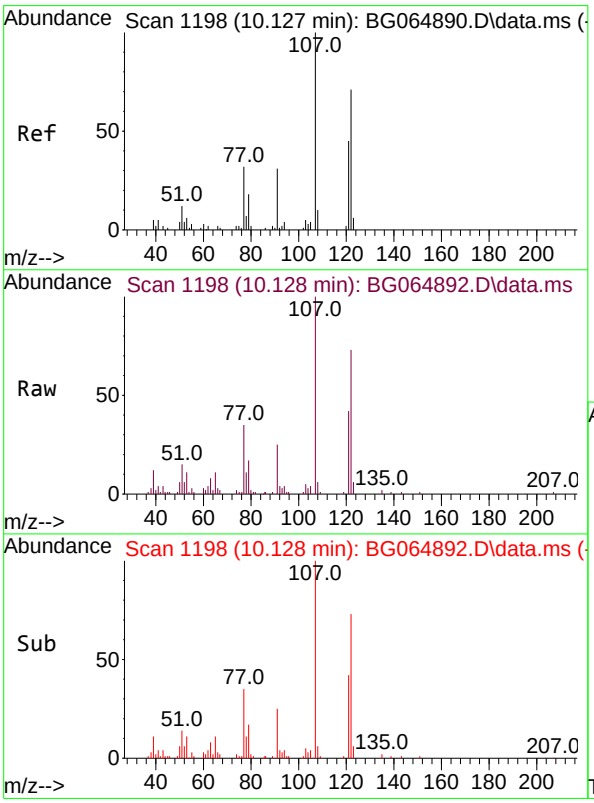
Tgt Ion:139 Resp: 30682

Ion	Ratio	Lower	Upper
139	100		
65	54.1	46.5	69.7
109	43.6	27.0	40.4#



Instrument :
BNA_G
ClientSampleId :
SLCS721

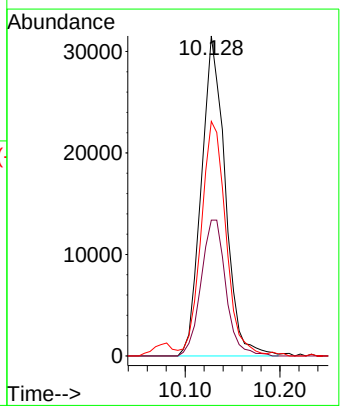
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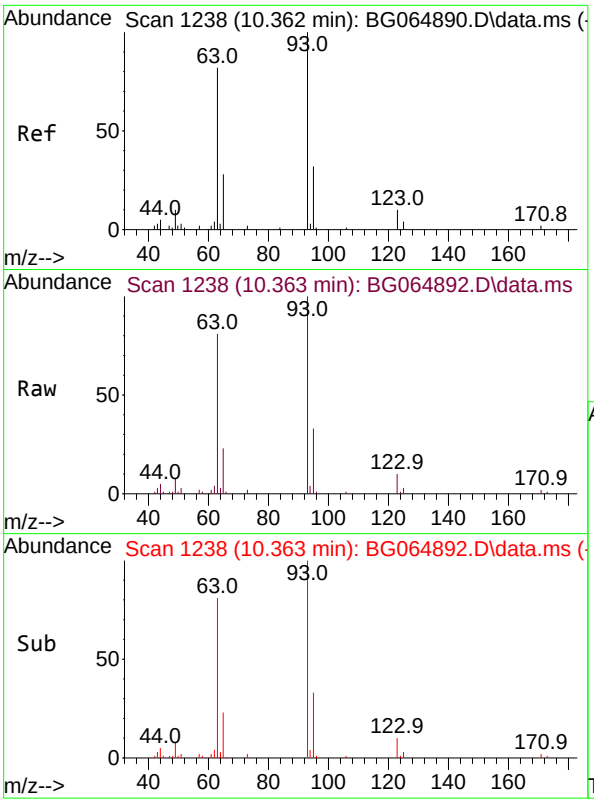


#26
2,4-Dimethylphenol
Concen: 28.231 ng/ul
RT: 10.128 min Scan# 1198
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:107 Resp: 55025

Ion	Ratio	Lower	Upper
107	100		
121	42.4	37.9	56.9
122	73.3	63.1	94.7

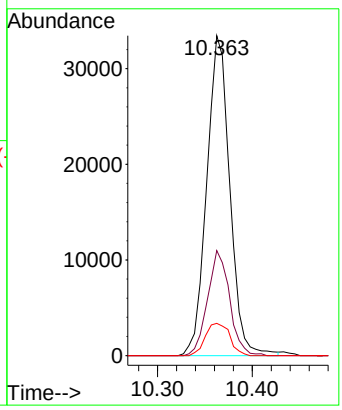


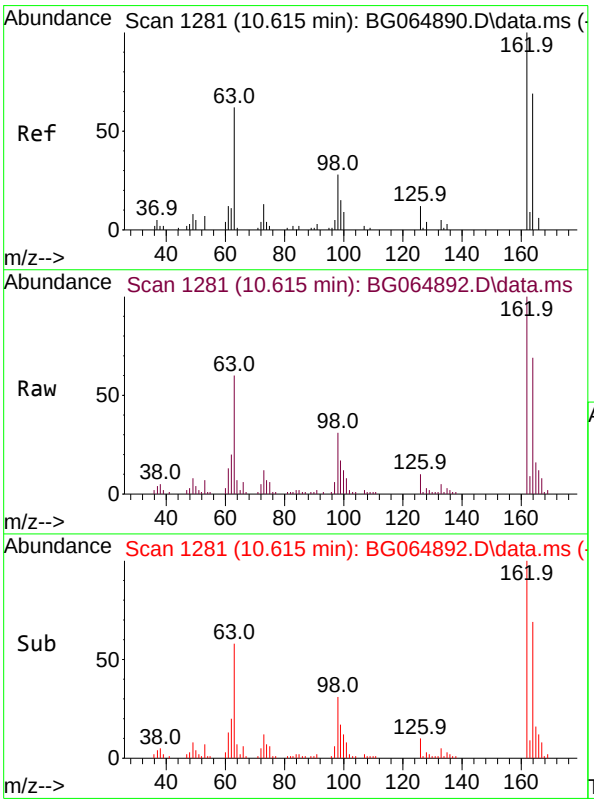


#27
Bis(2-Chloroethoxy)methane
Concen: 27.651 ng/ul
RT: 10.363 min Scan# 1238
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion: 93 Resp: 56542

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.1	37.7
123	10.1	7.0	10.4

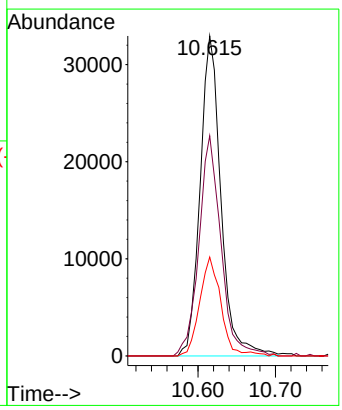




#29
2,4-Dichlorophenol
Concen: 37.201 ng/ul
RT: 10.615 min Scan# 1281
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

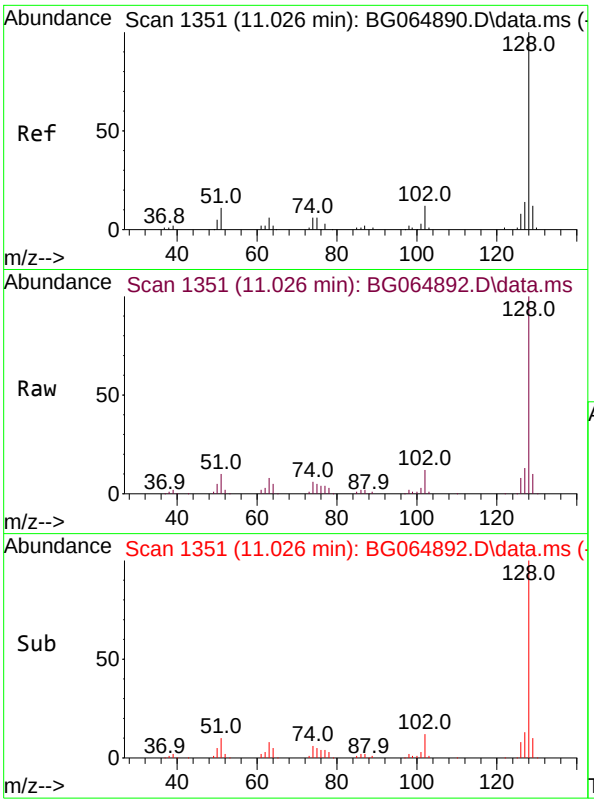
Tgt Ion:162 Resp: 61571

Ion	Ratio	Lower	Upper
162	100		
164	68.8	53.8	80.8
98	30.9	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SLCS721

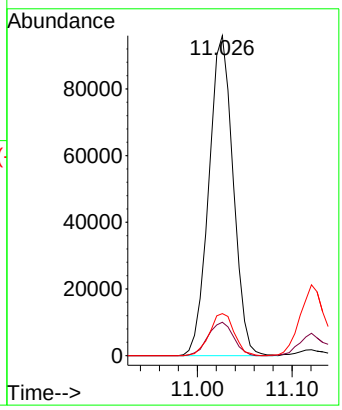
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#30
Naphthalene
Concen: 30.944 ng/ul
RT: 11.026 min Scan# 1351
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

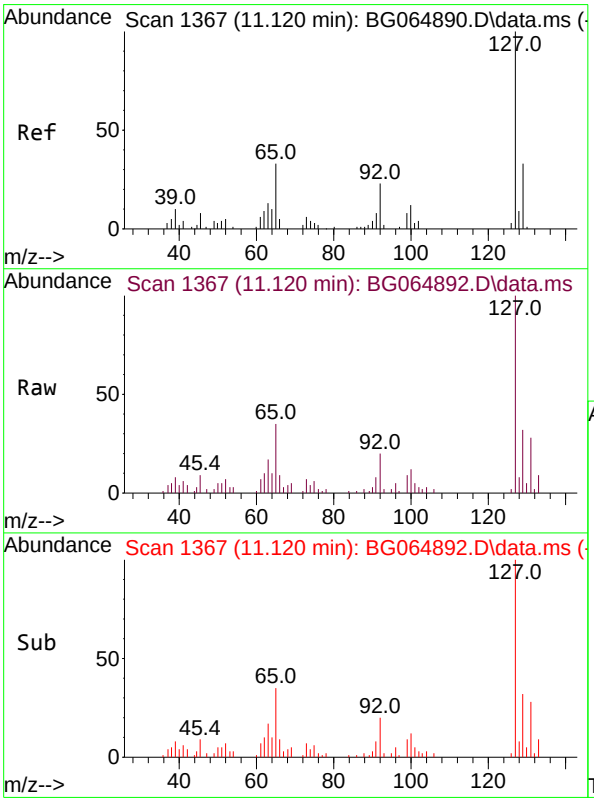
Tgt Ion:128 Resp: 170857

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.7	13.1
127	13.1	10.0	15.0



Instrument :
BNA_G
ClientSampleId :
SLCS721

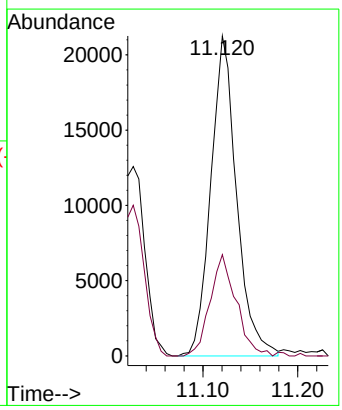
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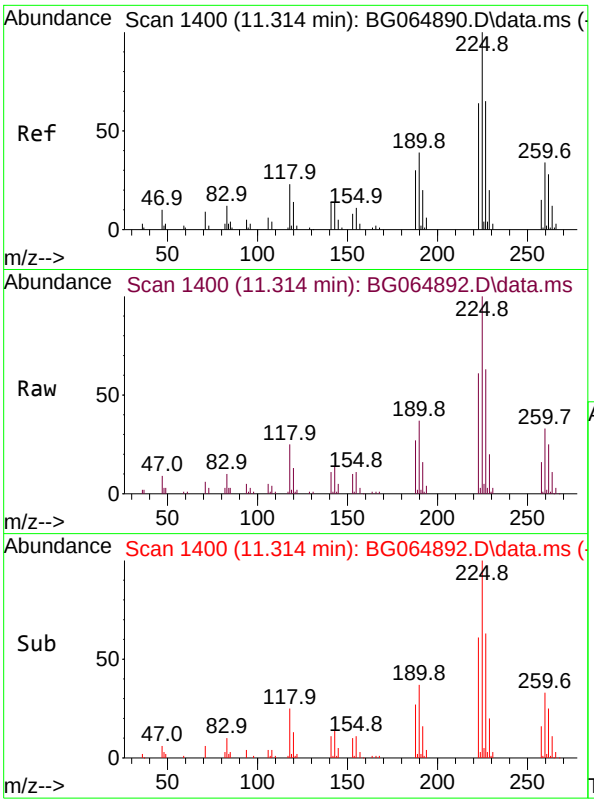


#32
4-Chloroaniline
Concen: 17.421 ng/ul
RT: 11.120 min Scan# 1367
Delta R.T. -0.002 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:127 Resp: 40219

Ion	Ratio	Lower	Upper
127	100		
129	31.6	27.0	40.6

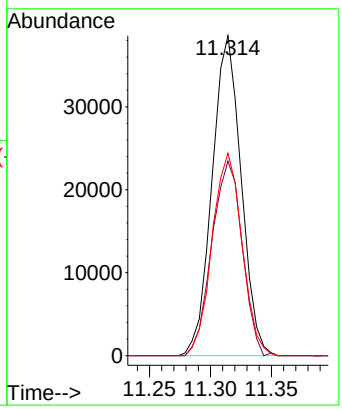


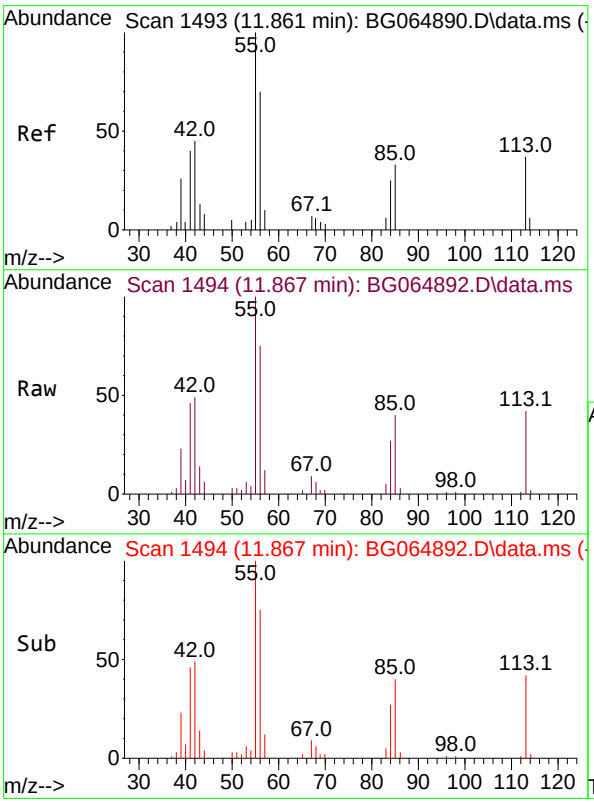


#33
Hexachlorobutadiene
Concen: 36.825 ng/ul
RT: 11.314 min Scan# 1400
Delta R.T. -0.002 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:225 Resp: 63930

Ion	Ratio	Lower	Upper
225	100		
223	60.8	47.0	70.4
227	65.8	49.8	74.8

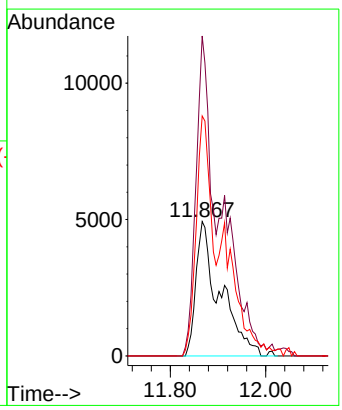




#34
Caprolactam
Concen: 29.803 ng/ul m
RT: 11.867 min Scan# 1494
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

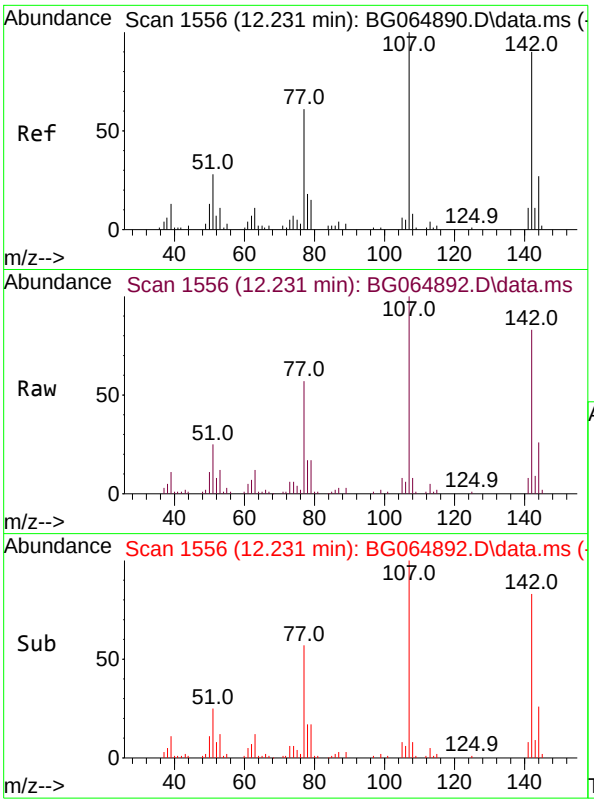
Tgt Ion:113 Resp: 17236

Ion	Ratio	Lower	Upper
113	100		
55	238.3	187.9	281.9
56	178.7	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
SLCS721

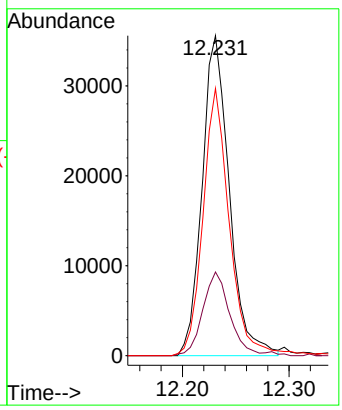
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#35
4-Chloro-3-methylphenol
Concen: 34.960 ng/ul
RT: 12.231 min Scan# 1556
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

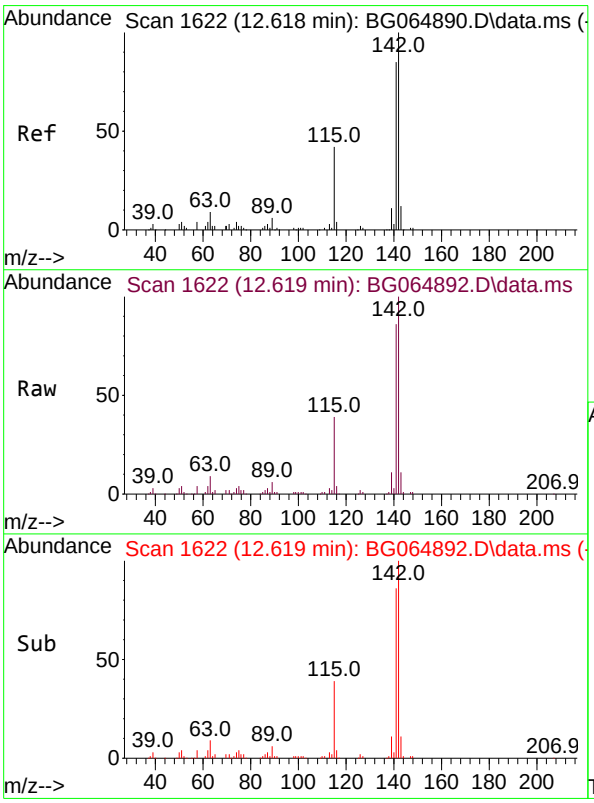
Tgt Ion:107 Resp: 63011

Ion	Ratio	Lower	Upper
107	100		
144	26.1	18.6	27.8
142	83.5	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
SLCS721

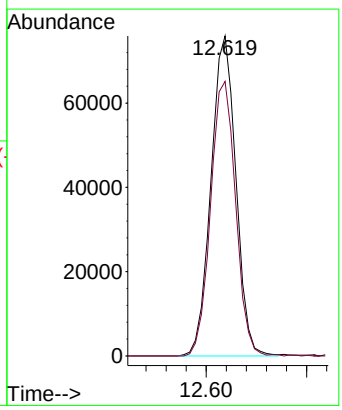
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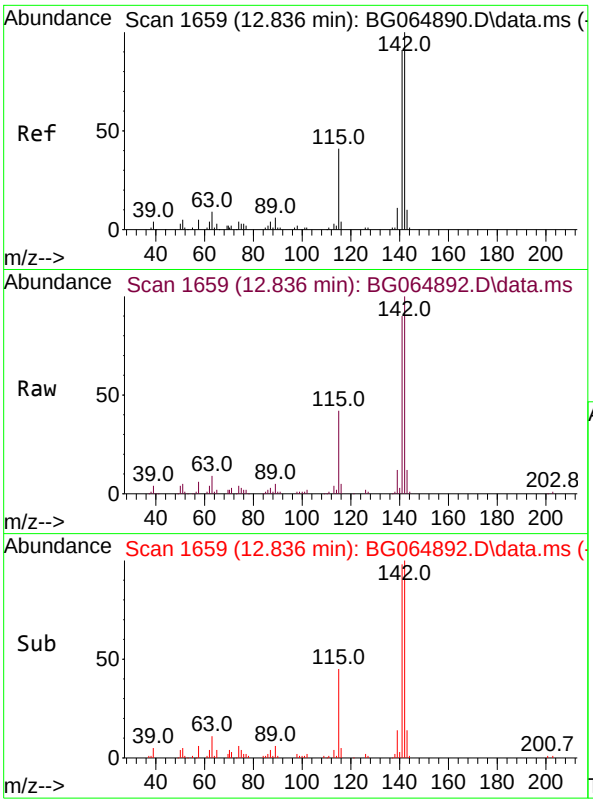


#36
2-Methylnaphthalene
Concen: 31.600 ng/ul
RT: 12.619 min Scan# 1622
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:142 Resp: 130751

Ion	Ratio	Lower	Upper
142	100		
141	85.8	69.7	104.5

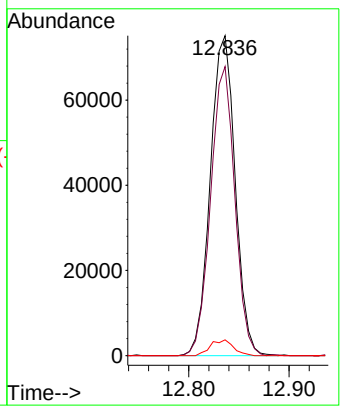




#37
1-Methylnaphthalene
Concen: 32.025 ng/ul
RT: 12.836 min Scan# 1659
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

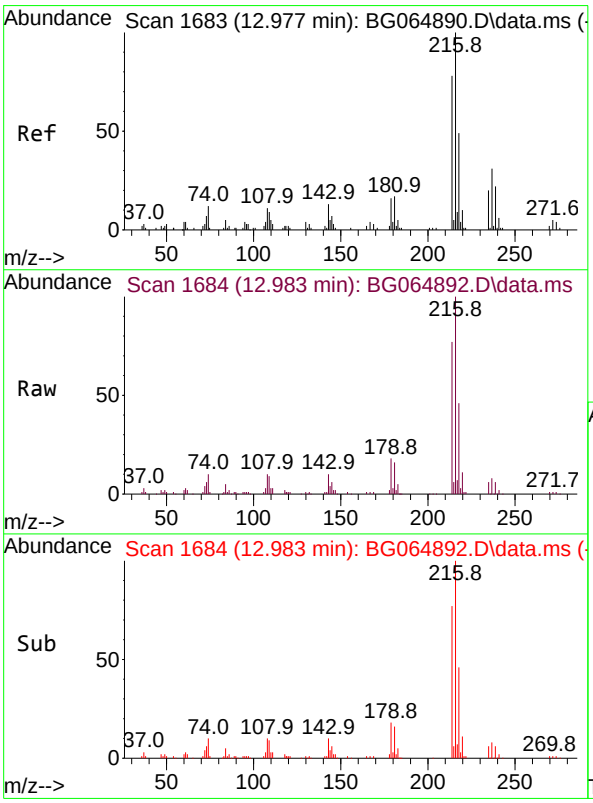
Tgt Ion:142 Resp: 129698

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.3	105.5
116	4.9	3.2	4.8#



Instrument :
BNA_G
ClientSampleId :
SLCS721

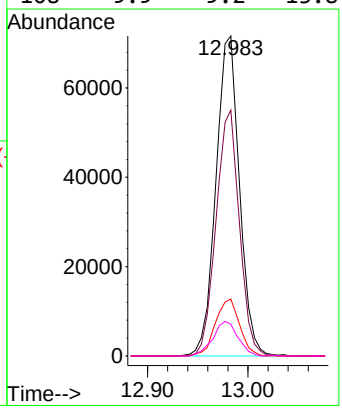
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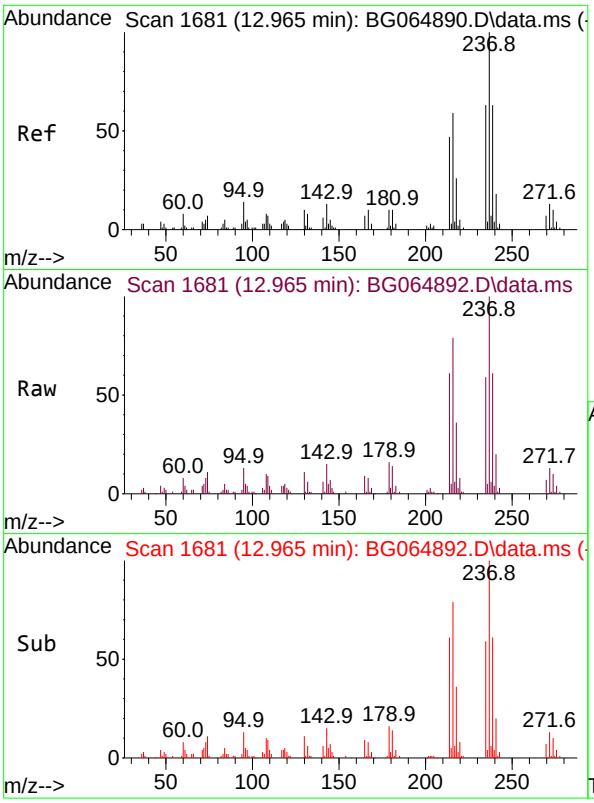


#39
1,2,4,5-Tetrachlorobenzene
Concen: 35.375 ng/ul
RT: 12.983 min Scan# 1684
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:216 Resp: 117008

Ion	Ratio	Lower	Upper
216	100		
214	76.8	63.5	95.3
179	17.8	14.7	22.1
108	9.9	9.2	13.8

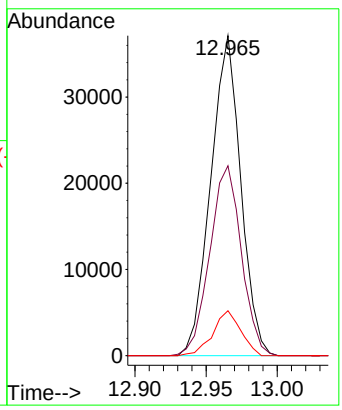




#40
Hexachlorocyclopentadiene
Concen: 23.836 ng/ul
RT: 12.965 min Scan# 1681
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

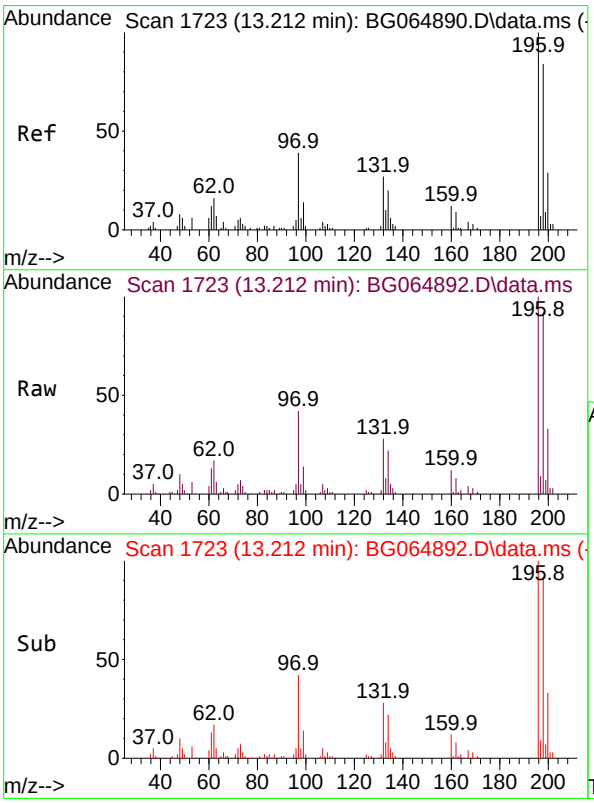
Tgt Ion:237 Resp: 54621

Ion	Ratio	Lower	Upper
237	100		
235	63.8	45.7	68.5
272	14.0	10.7	16.1



Instrument :
BNA_G
ClientSampleId :
SLCS721

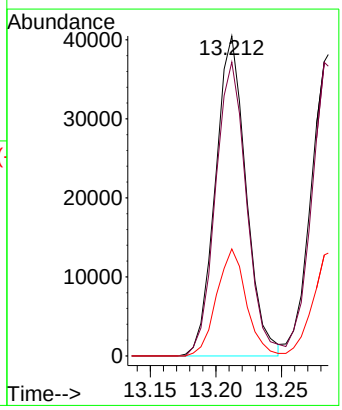
Manual Integrations APPROVED
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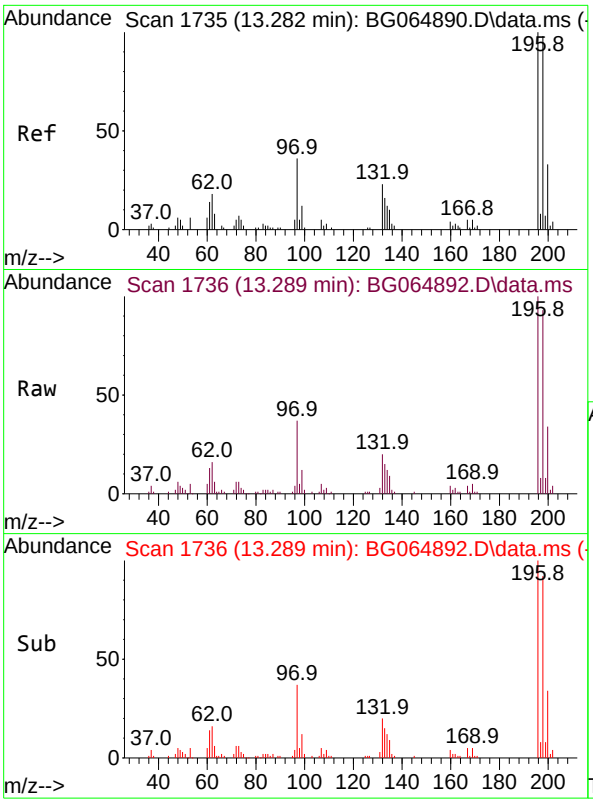


#41
2,4,6-Trichlorophenol
Concen: 35.948 ng/ul
RT: 13.212 min Scan# 1723
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:196 Resp: 65730

Ion	Ratio	Lower	Upper
196	100		
198	91.8	79.5	119.3
200	36.0	28.1	42.1

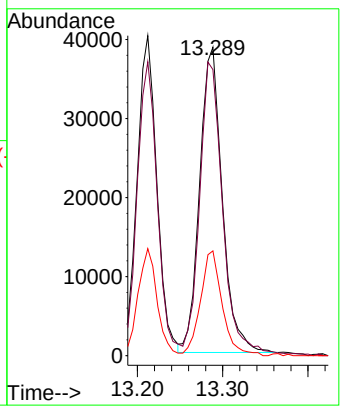




#42
2,4,5-Trichlorophenol
Concen: 37.031 ng/ul
RT: 13.289 min Scan# 1736
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

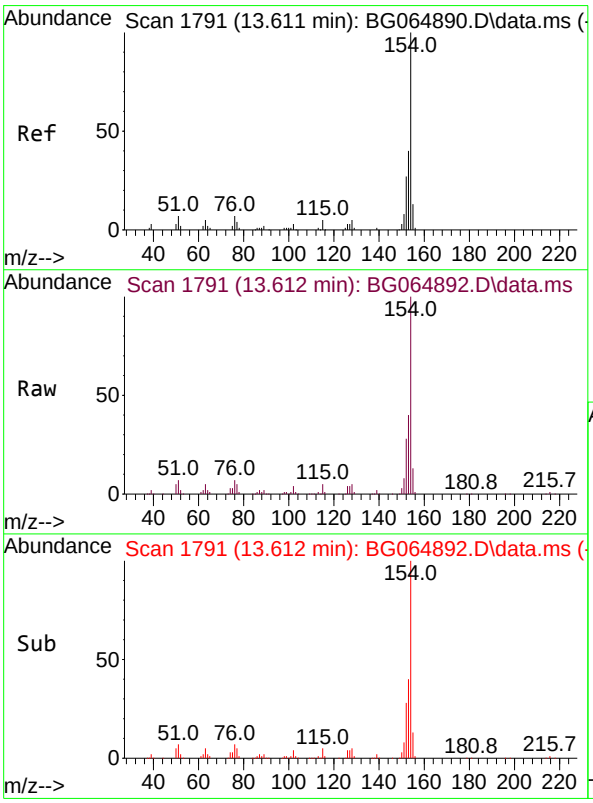
Tgt Ion:196 Resp: 71344

Ion	Ratio	Lower	Upper
196	100		
198	92.7	72.1	108.1
200	34.0	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SLCS721

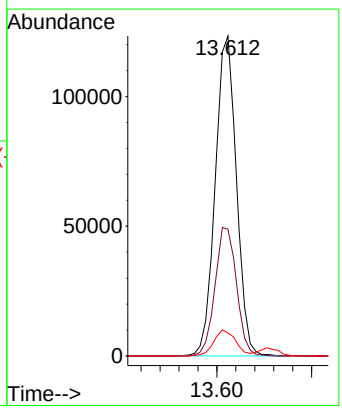
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mohammad
12/3/2025 1:12:48 AM

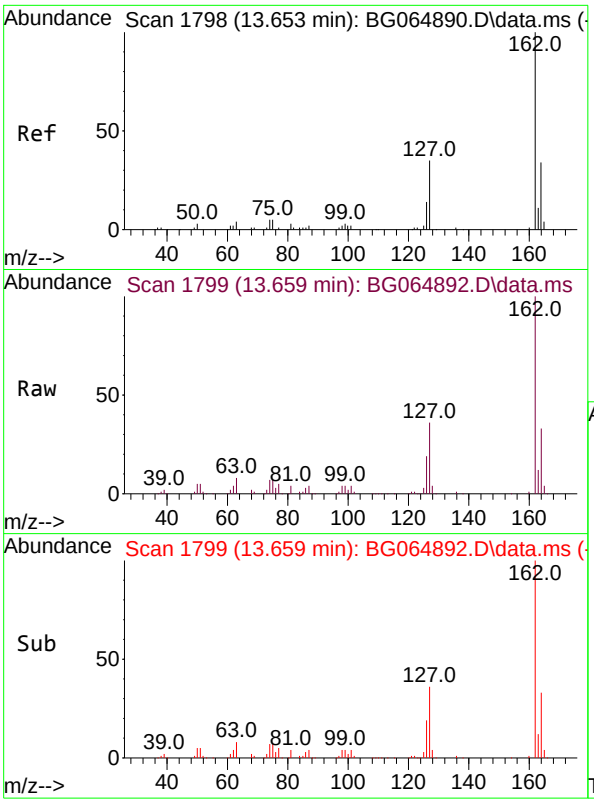


#43
1,1'-Biphenyl
Concen: 31.577 ng/ul
RT: 13.612 min Scan# 1791
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:154 Resp: 191395

Ion	Ratio	Lower	Upper
154	100		
153	39.6	33.0	49.4
76	7.2	8.7	13.1#

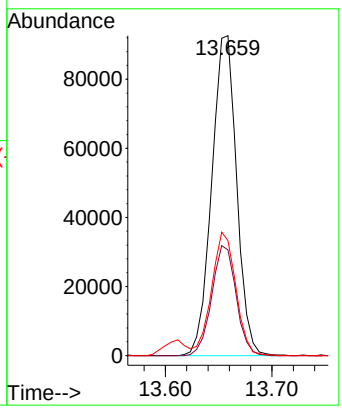




#44
2-Chloronaphthalene
Concen: 31.624 ng/ul
RT: 13.659 min Scan# 1799
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

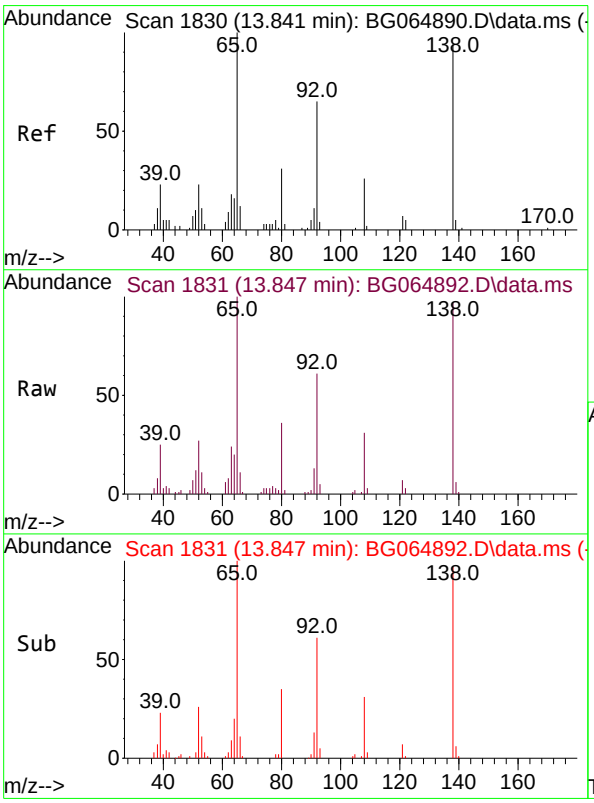
Tgt Ion:162 Resp: 150473

Ion	Ratio	Lower	Upper
162	100		
164	33.0	26.9	40.3
127	35.9	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SLCS721

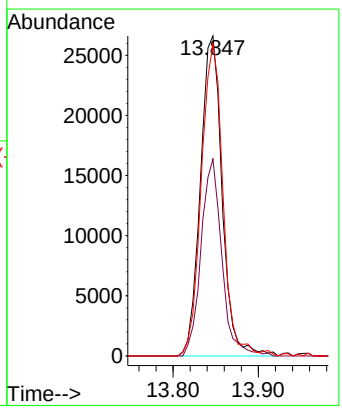
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

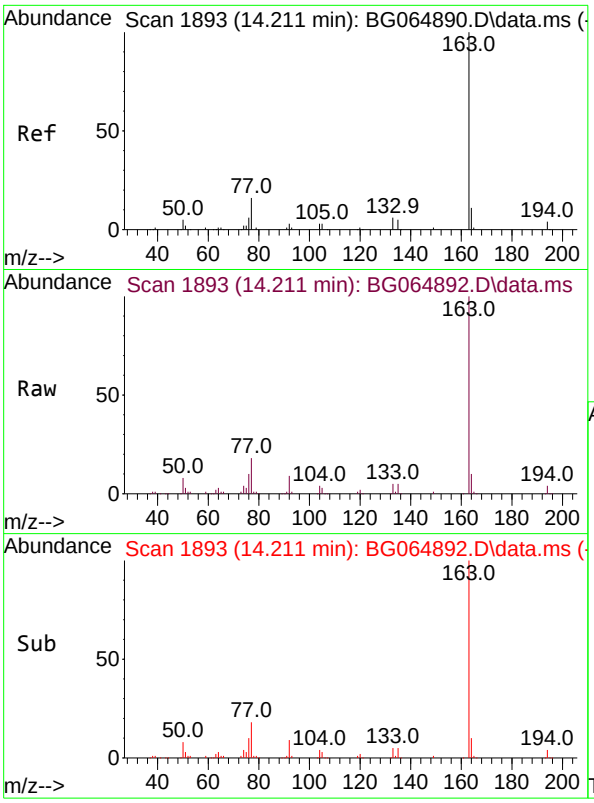


#45
2-Nitroaniline
Concen: 33.288 ng/ul
RT: 13.847 min Scan# 1831
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion: 65 Resp: 47086

Ion	Ratio	Lower	Upper
65	100		
92	61.5	45.2	67.8
138	97.5	78.6	117.8

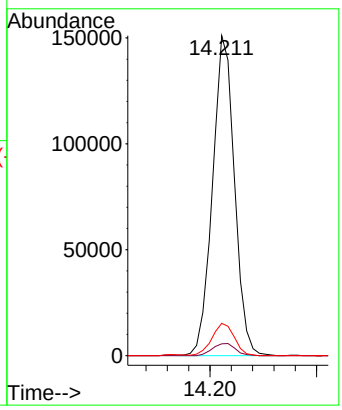




#47
Dimethylphthalate
Concen: 31.341 ng/ul
RT: 14.211 min Scan# 1893
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

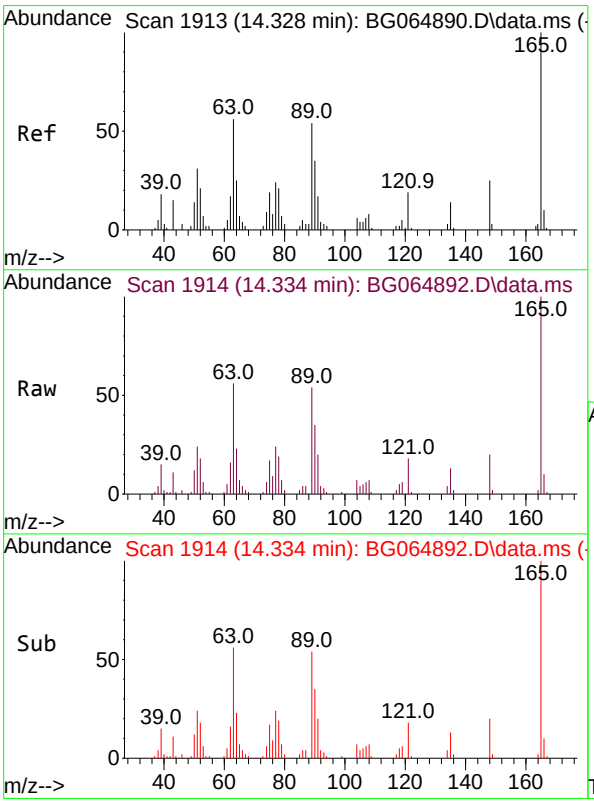
Tgt Ion:163 Resp: 216594

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.1	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SLCS721

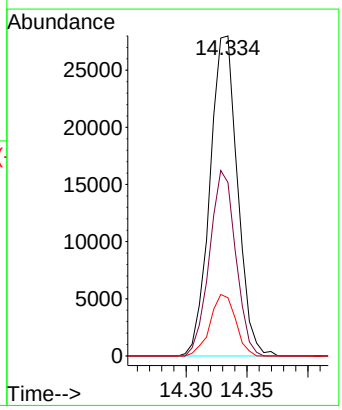
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

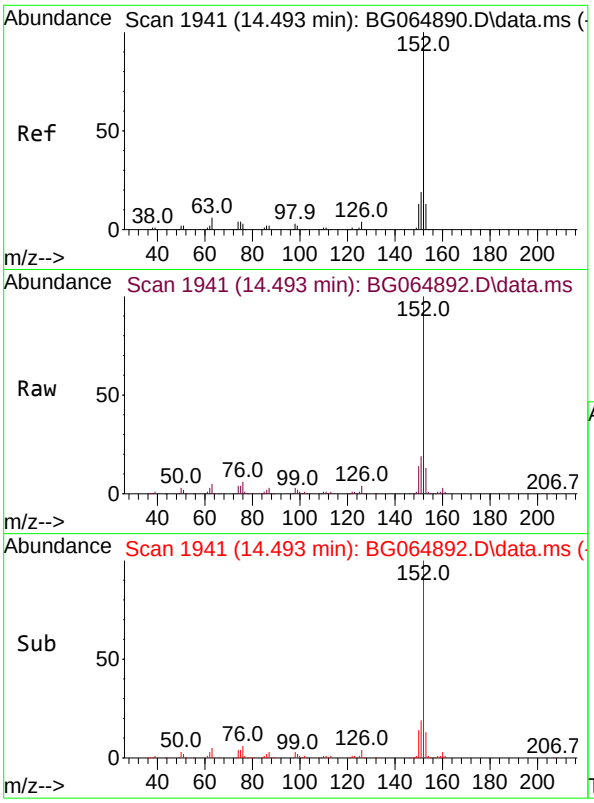


#48
2,6-Dinitrotoluene
Concen: 34.700 ng/ul
RT: 14.334 min Scan# 1914
Delta R.T. 0.010 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:165 Resp: 44004

Ion	Ratio	Lower	Upper
165	100		
89	54.2	39.9	59.9
121	18.2	15.8	23.6

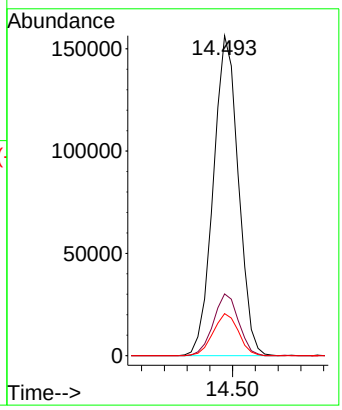




#50
Acenaphthylene
Concen: 28.777 ng/ul
RT: 14.493 min Scan# 1941
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

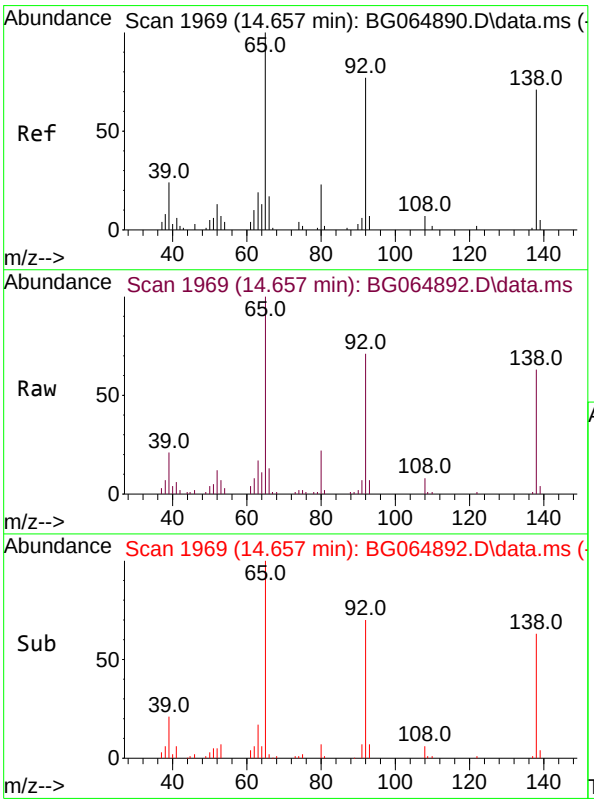
Tgt Ion:152 Resp: 238775

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.1	22.7
153	13.1	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SLCS721

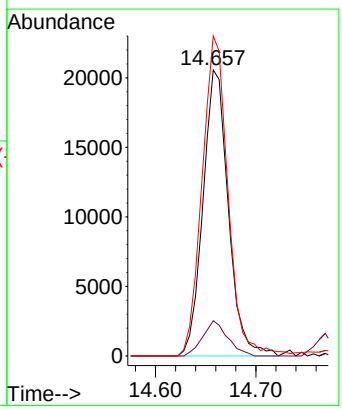
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

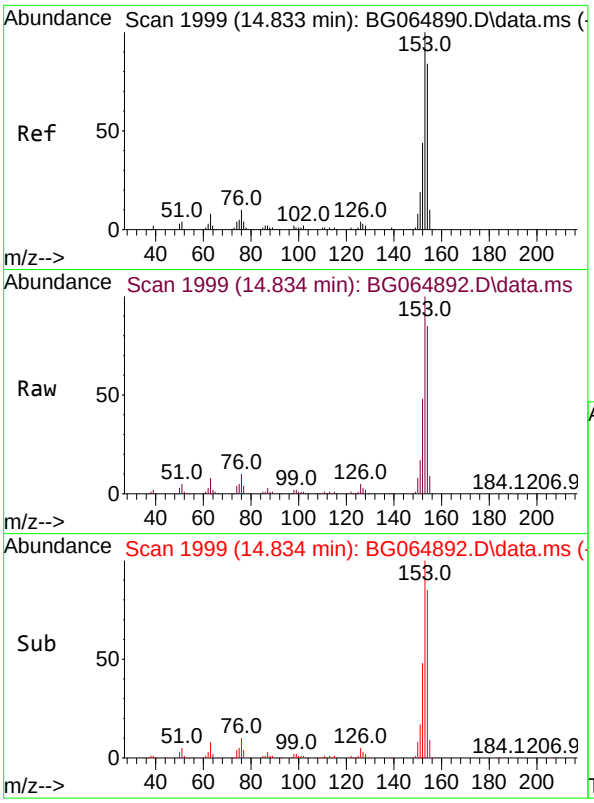


#51
3-Nitroaniline
Concen: 32.800 ng/ul
RT: 14.657 min Scan# 1969
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:138 Resp: 36076

Ion	Ratio	Lower	Upper
138	100		
108	13.3	9.8	14.8
92	111.9	91.4	137.2

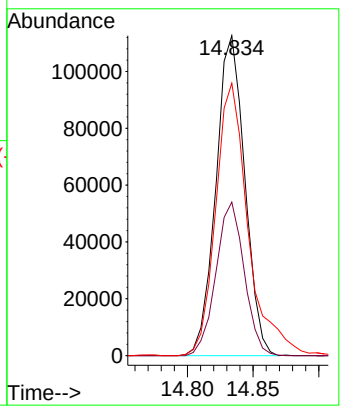




#52
Acenaphthene
Concen: 31.665 ng/ul
RT: 14.834 min Scan# 1999
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

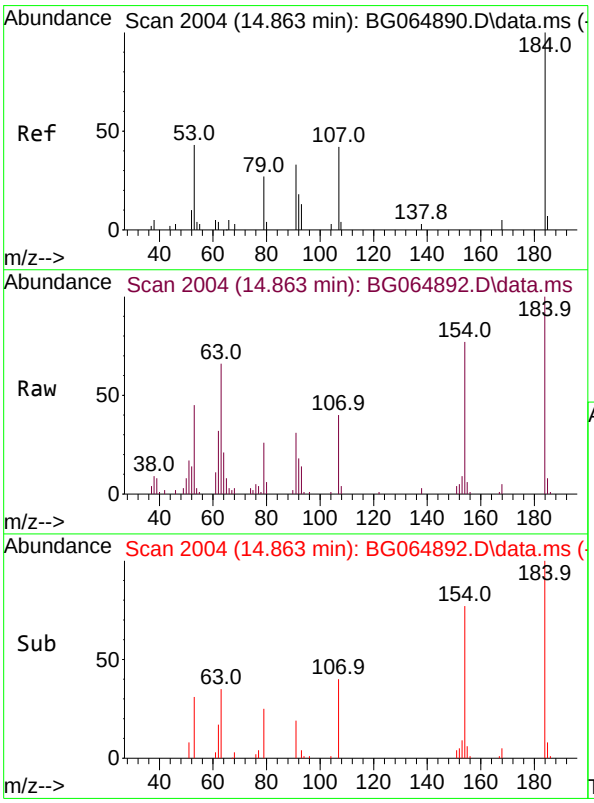
Tgt Ion:153 Resp: 172283

Ion	Ratio	Lower	Upper
153	100		
152	48.0	37.8	56.8
154	85.1	68.2	102.2



Instrument :
BNA_G
ClientSampleId :
SLCS721

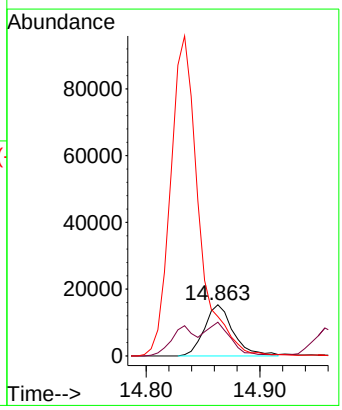
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

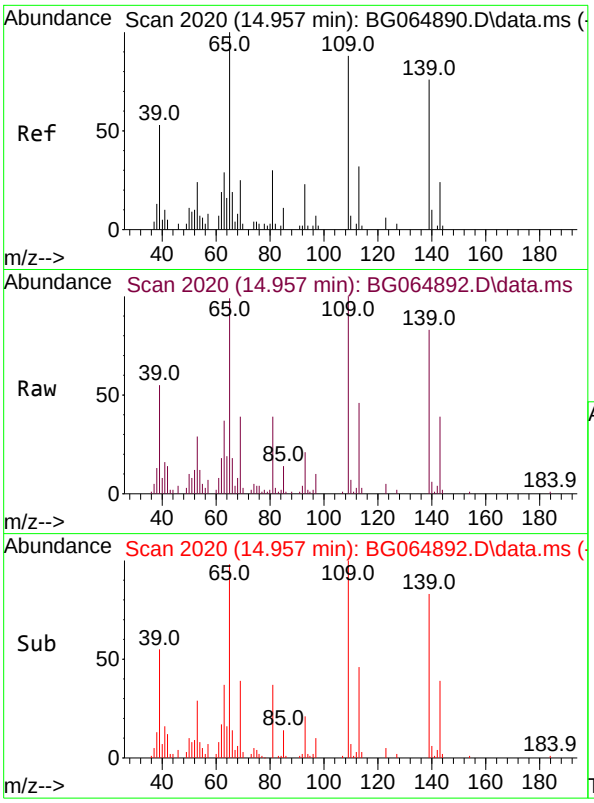


#53
2,4-Dinitrophenol
Concen: 36.167 ng/ul
RT: 14.863 min Scan# 2004
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:184 Resp: 26971

Ion	Ratio	Lower	Upper
184	100		
63	65.8	41.1	61.7#
154	76.8	55.4	83.0

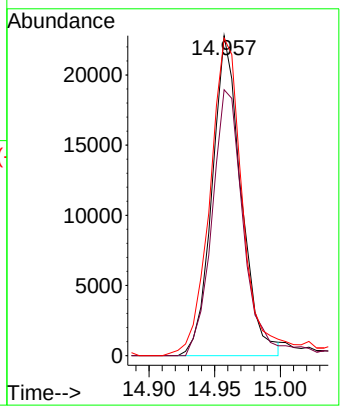




#55
4-Nitrophenol
Concen: 36.944 ng/ul
RT: 14.957 min Scan# 2020
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

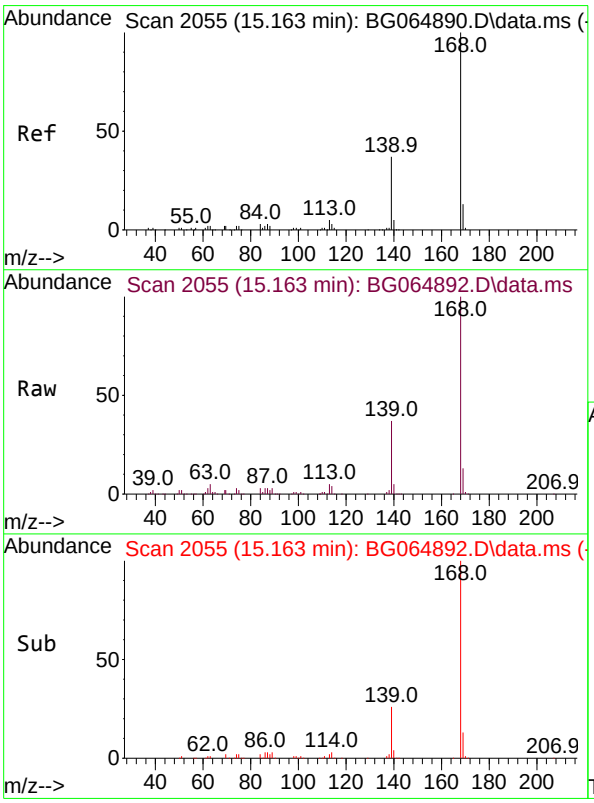
Tgt Ion:109 Resp: 35063

Ion	Ratio	Lower	Upper
109	100		
139	83.1	88.6	132.8#
65	99.2	94.2	141.4



Instrument :
BNA_G
ClientSampleId :
SLCS721

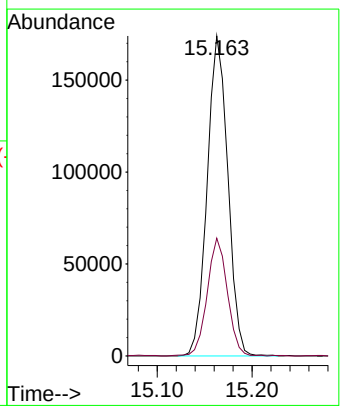
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

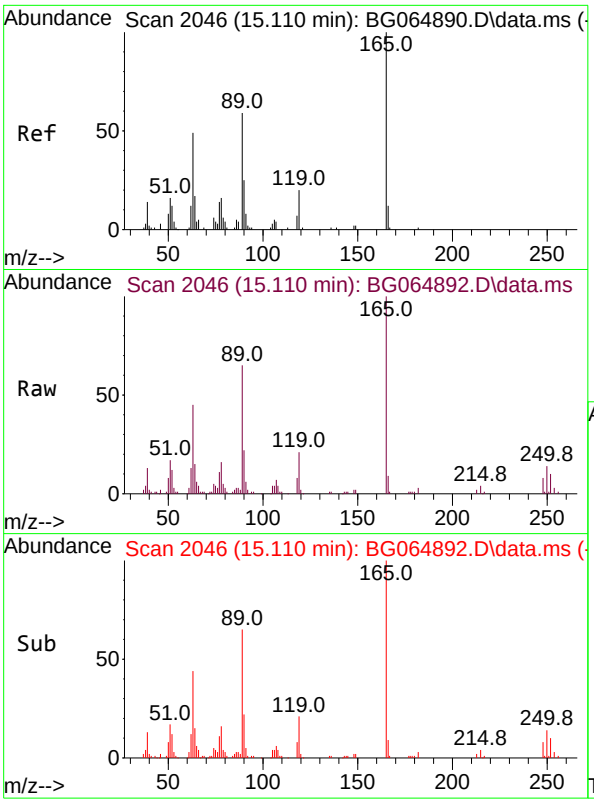


#56
Dibenzofuran
Concen: 31.740 ng/ul
RT: 15.163 min Scan# 2055
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:168 Resp: 263593

Ion	Ratio	Lower	Upper
168	100		
139	36.8	28.2	42.4

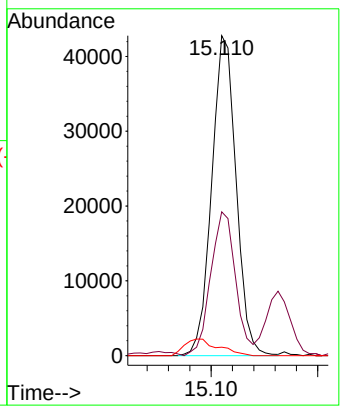




#57
2,4-Dinitrotoluene
Concen: 35.272 ng/ul
RT: 15.110 min Scan# 2046
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

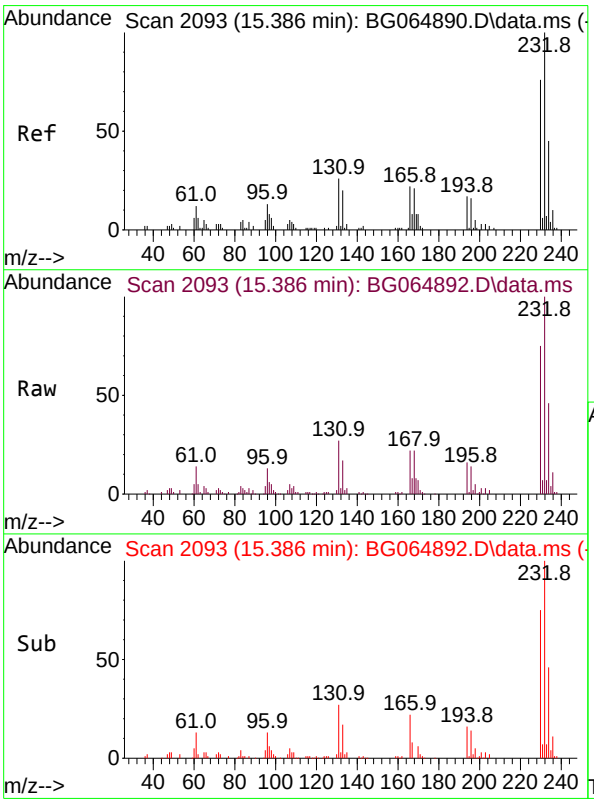
Tgt Ion:165 Resp: 68050

Ion	Ratio	Lower	Upper
165	100		
63	44.9	35.5	53.3
182	2.6	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SLCS721

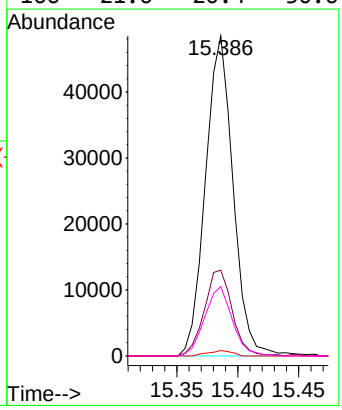
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

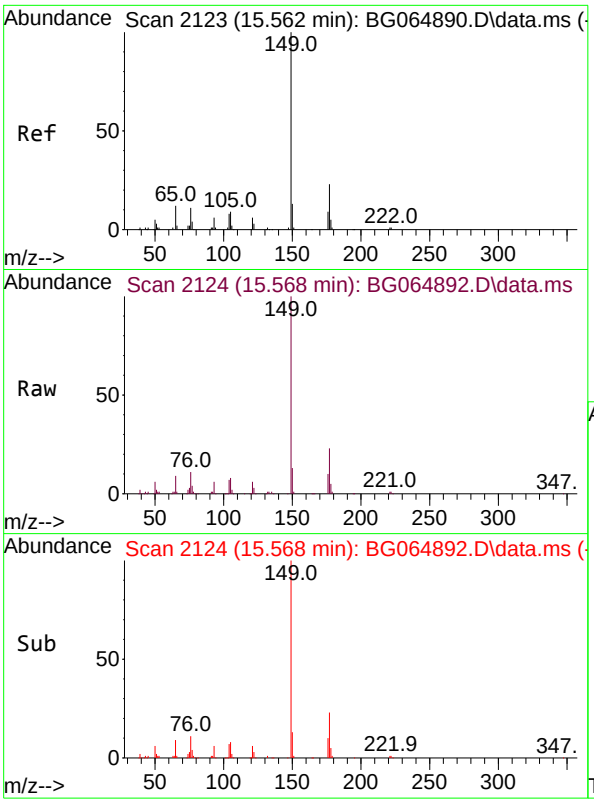


#58
2,3,4,6-Tetrachlorophenol
Concen: 34.890 ng/ul
RT: 15.386 min Scan# 2093
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:232 Resp: 76119

Ion	Ratio	Lower	Upper
232	100		
131	26.8	24.9	37.3
130	1.7	1.4	2.0
166	21.6	20.4	30.6

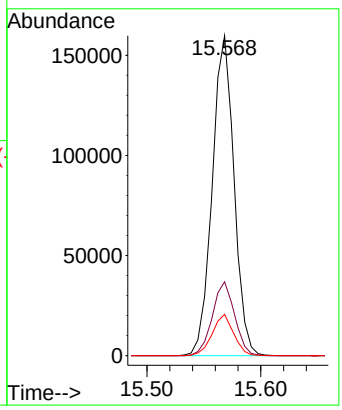




#59
Diethylphthalate
Concen: 31.326 ng/ul
RT: 15.568 min Scan# 2124
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

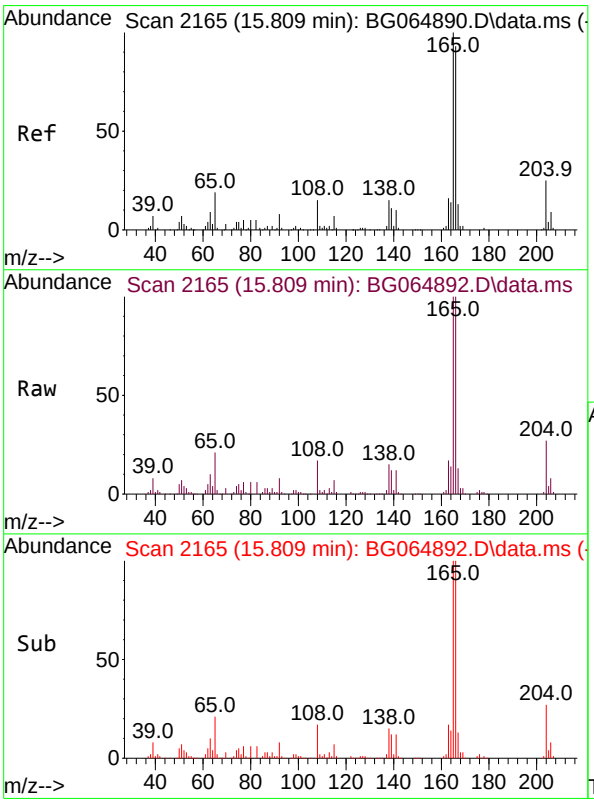
Tgt Ion:149 Resp: 212621

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.7	28.1
150	12.9	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
SLCS721

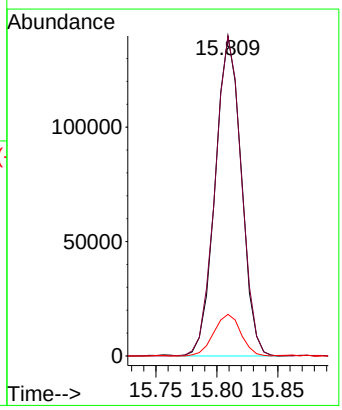
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

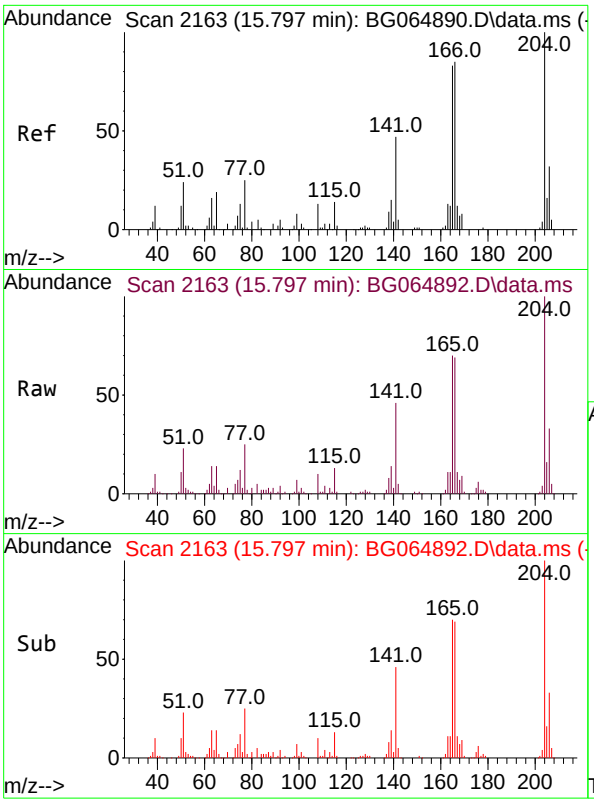


#61
Fluorene
Concen: 31.918 ng/ul
RT: 15.809 min Scan# 2165
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:166 Resp: 207923

Ion	Ratio	Lower	Upper
166	100		
165	99.9	83.0	124.6
167	13.0	10.5	15.7

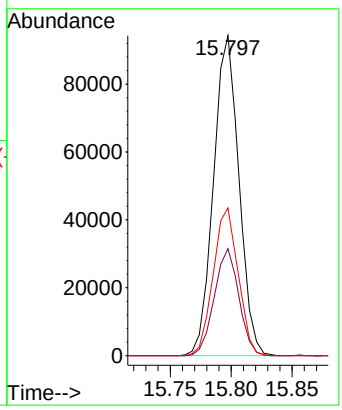


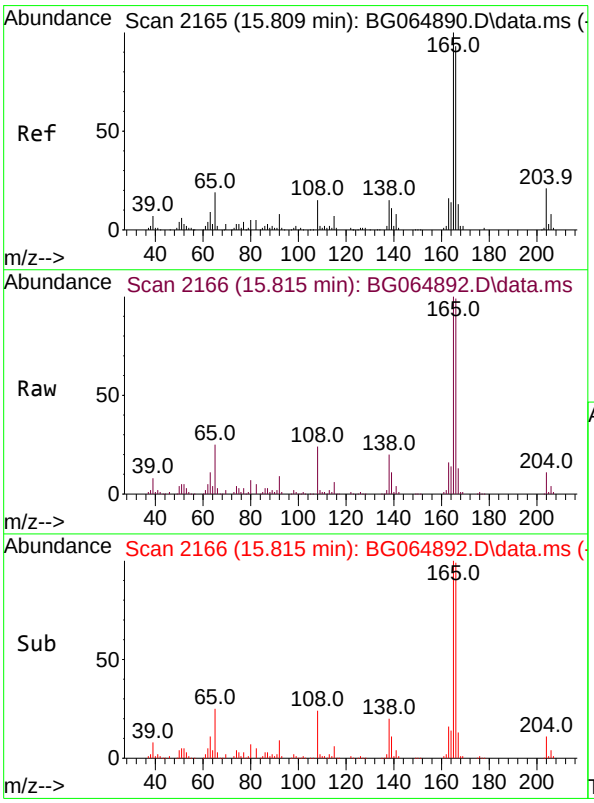


#62
4-Chlorophenyl-phenylether
Concen: 34.377 ng/ul
RT: 15.797 min Scan# 2163
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:204 Resp: 136563

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.1	39.1
141	46.2	36.8	55.2

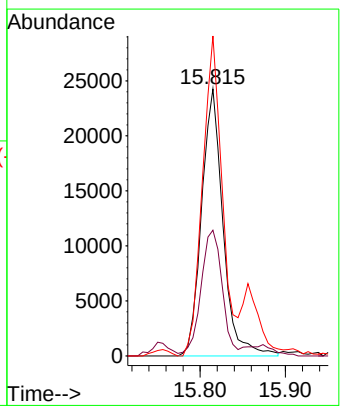




#63
4-Nitroaniline
Concen: 37.339 ng/ul
RT: 15.815 min Scan# 2166
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

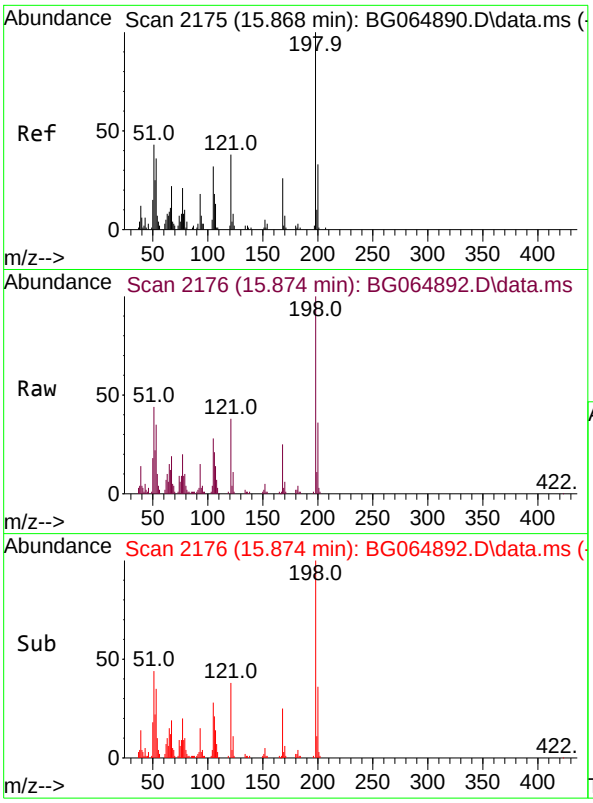
Tgt Ion:138 Resp: 42284

Ion	Ratio	Lower	Upper
138	100		
92	47.1	39.3	58.9
108	119.9	73.8	110.8#



Instrument :
BNA_G
ClientSampleId :
SLCS721

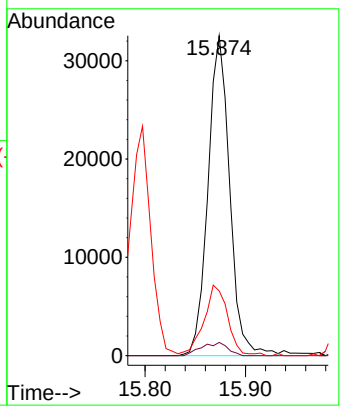
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#66
4,6-Dinitro-2-methylphenol
Concen: 35.240 ng/ul
RT: 15.874 min Scan# 2176
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

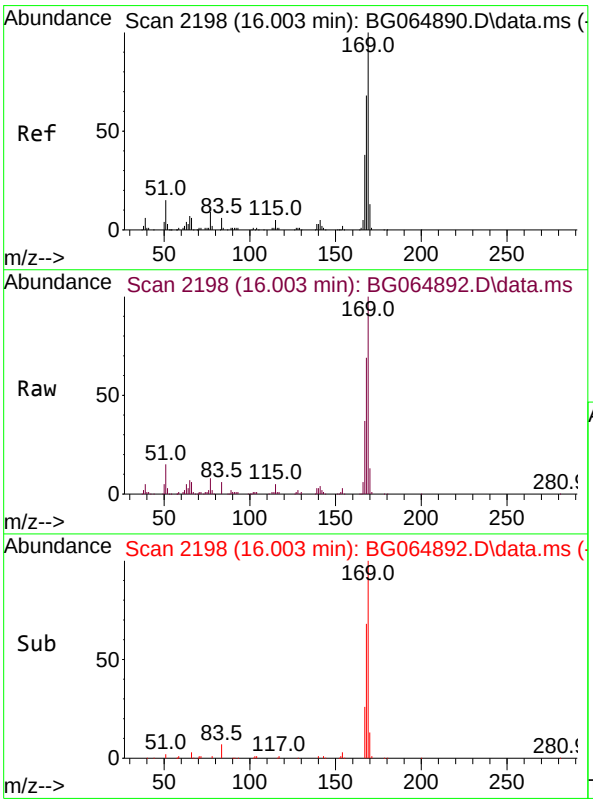
Tgt Ion:198 Resp: 48830

Ion	Ratio	Lower	Upper
198	100		
182	4.1	3.6	5.4
77	20.2	17.5	26.3



Instrument :
BNA_G
ClientSampleId :
SLCS721

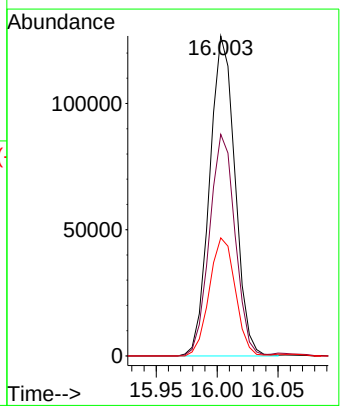
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mohammad
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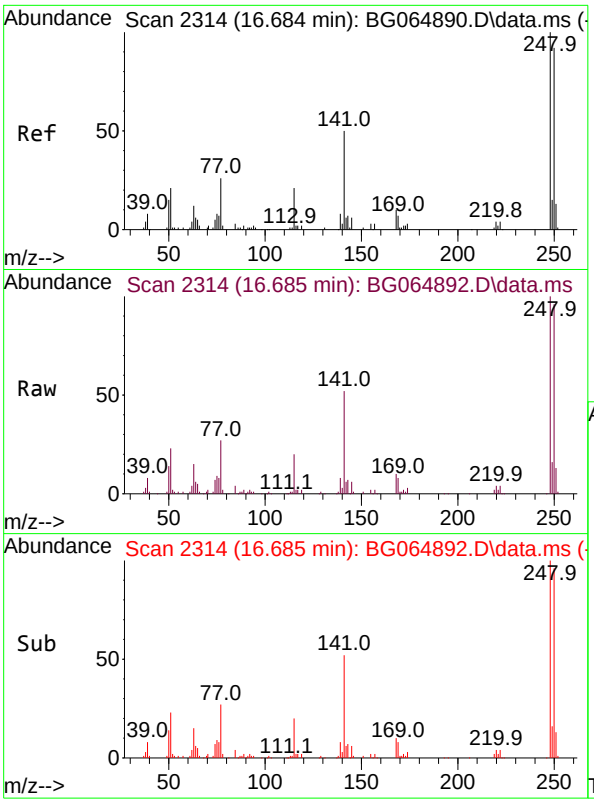


#67
N-Nitrosodiphenylamine
Concen: 30.587 ng/ul
RT: 16.003 min Scan# 2198
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:169 Resp: 183058

Ion	Ratio	Lower	Upper
169	100		
168	69.2	54.4	81.6
167	36.9	29.0	43.4

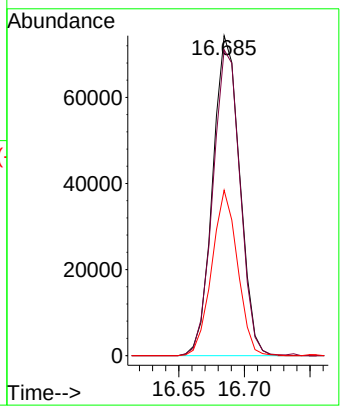




#68
4-Bromophenyl-phenylether
Concen: 35.817 ng/ul
RT: 16.685 min Scan# 2314
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

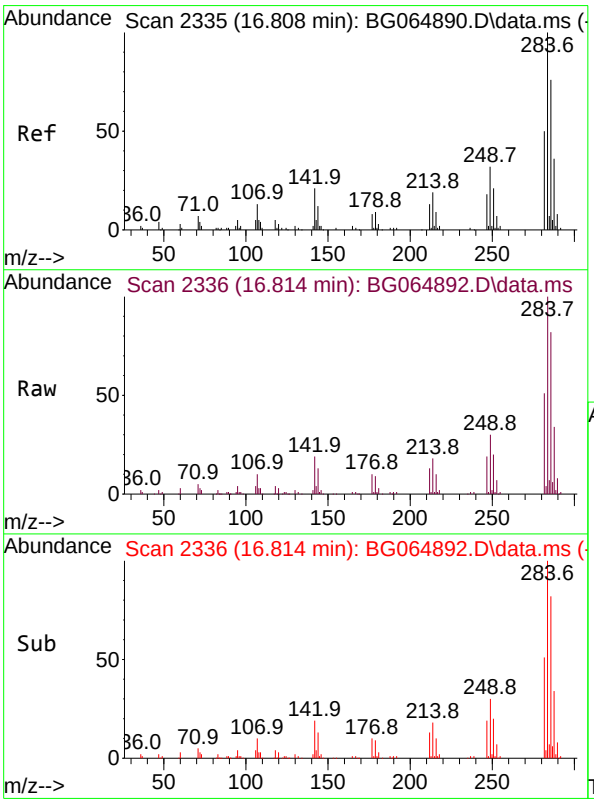
Tgt Ion:248 Resp: 106338

Ion	Ratio	Lower	Upper
248	100		
250	95.6	80.2	120.2
141	51.7	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
SLCS721

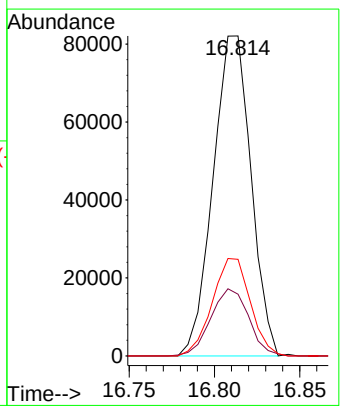
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

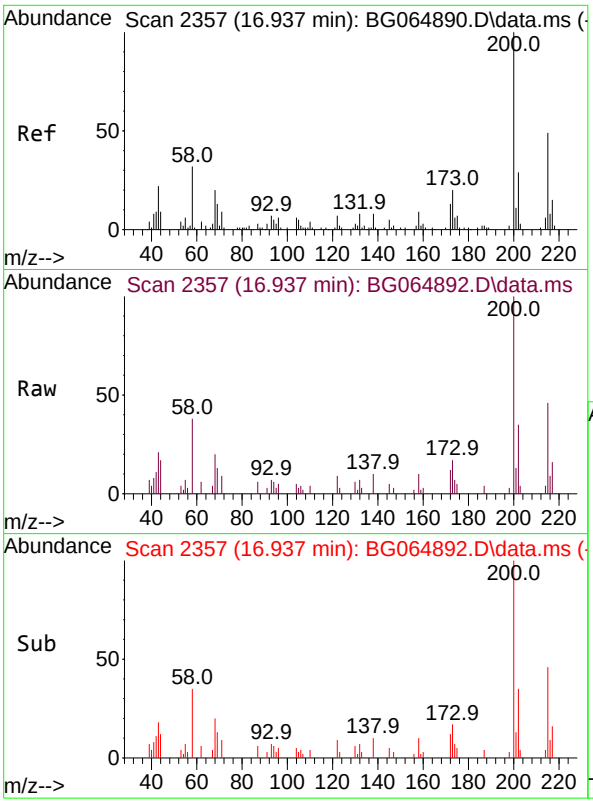


#69
Hexachlorobenzene
Concen: 35.264 ng/ul
RT: 16.814 min Scan# 2336
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:284 Resp: 127015

Ion	Ratio	Lower	Upper
284	100		
142	17.9	17.6	26.4
249	28.1	24.7	37.1

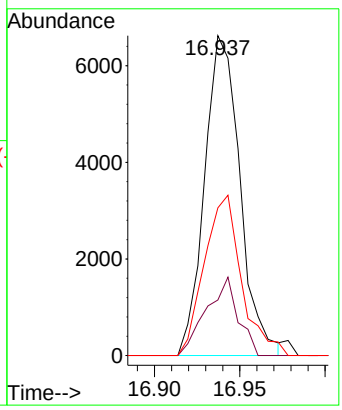




#70
Atrazine
Concen: 3.333 ng/ul
RT: 16.937 min Scan# 2357
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

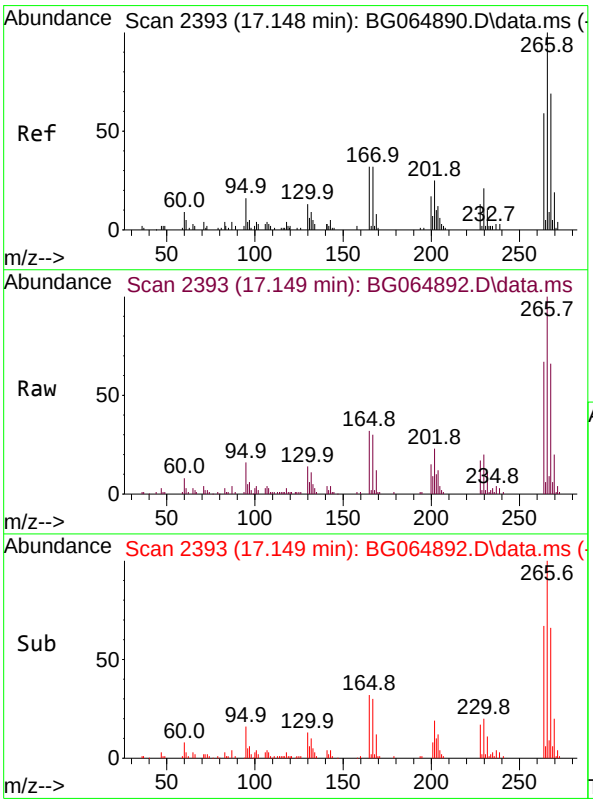
Tgt Ion:200 Resp: 9545

Ion	Ratio	Lower	Upper
200	100		
173	17.4	18.6	28.0#
215	46.2	39.0	58.6



Instrument :
BNA_G
ClientSampleId :
SLCS721

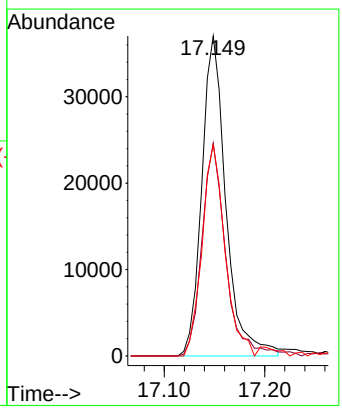
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

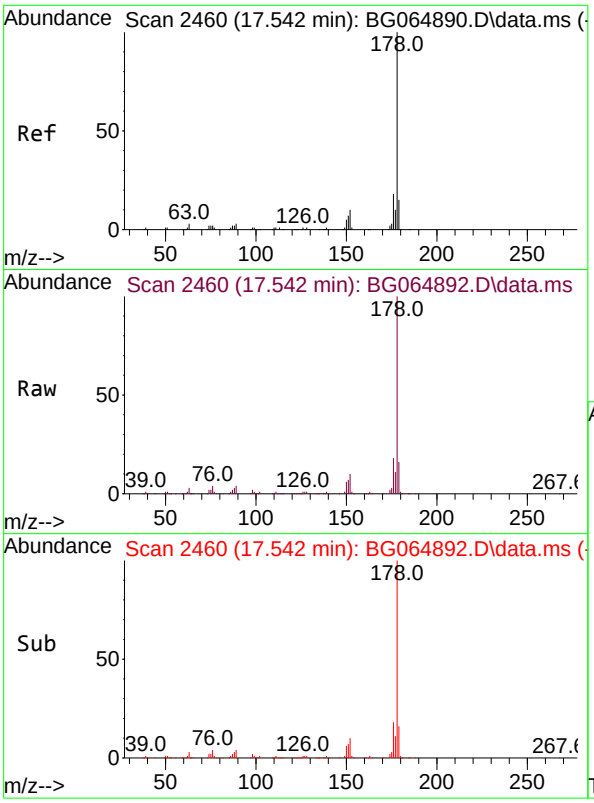


#71
Pentachlorophenol
Concen: 30.845 ng/ul
RT: 17.149 min Scan# 2393
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:266 Resp: 61691

Ion	Ratio	Lower	Upper
266	100		
264	66.5	48.8	73.2
268	66.0	53.0	79.4

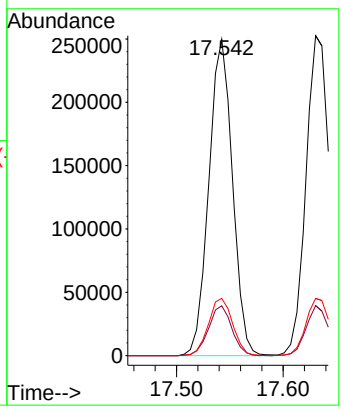




#72
Phenanthrene
Concen: 30.928 ng/ul
RT: 17.542 min Scan# 2460
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

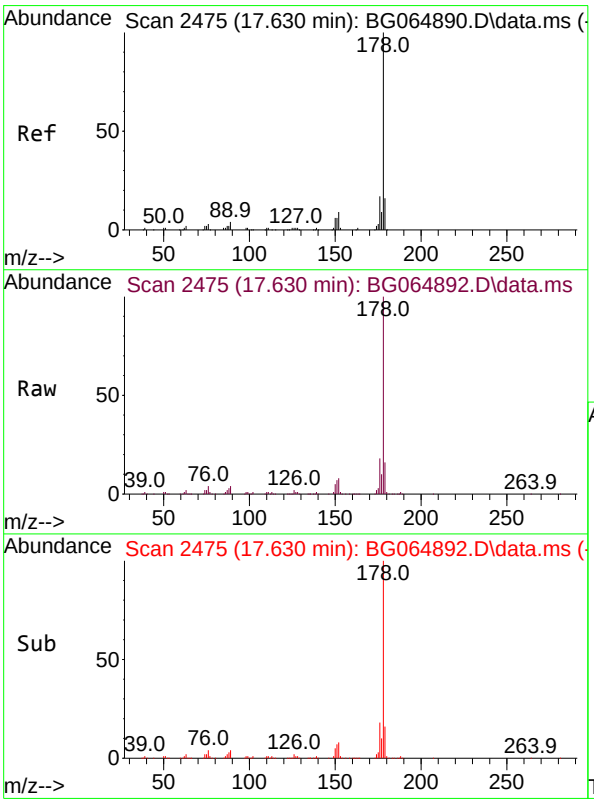
Tgt Ion:178 Resp: 385124

Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.9	17.9
176	18.1	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SLCS721

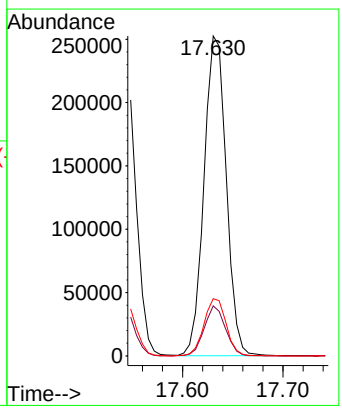
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

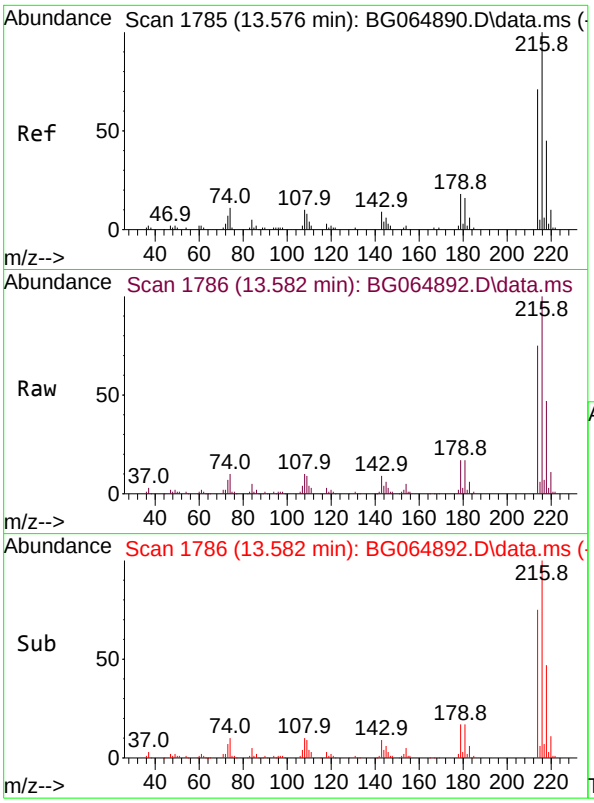


#74
Anthracene
Concen: 31.095 ng/ul
RT: 17.630 min Scan# 2475
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:178 Resp: 388390

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	17.9	14.7	22.1

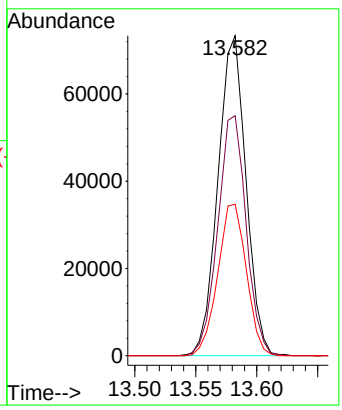




#75
1,2,3,4-Tetrachlorobenzene
Concen: 35.070 ng/ul
RT: 13.582 min Scan# 1786
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

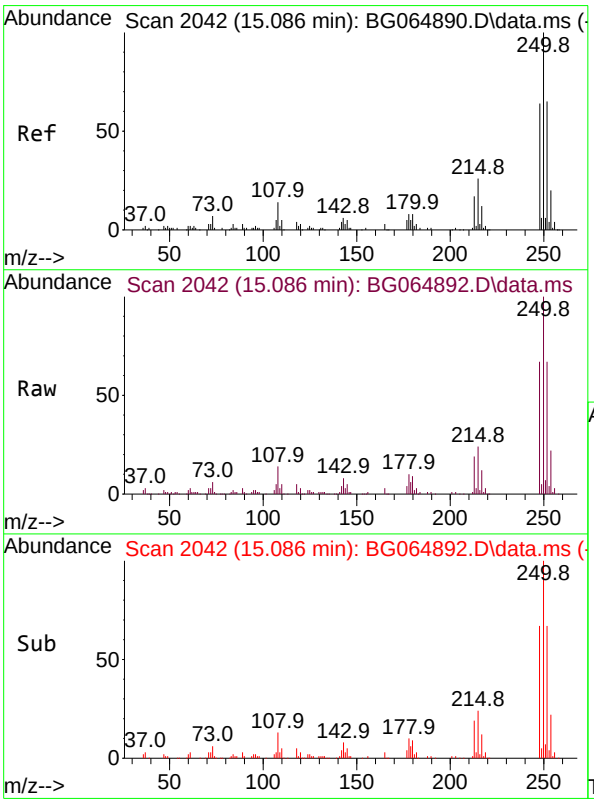
Tgt Ion:216 Resp: 117414

Ion	Ratio	Lower	Upper
216	100		
214	75.0	60.1	90.1
218	47.4	38.2	57.4



Instrument :
BNA_G
ClientSampleId :
SLCS721

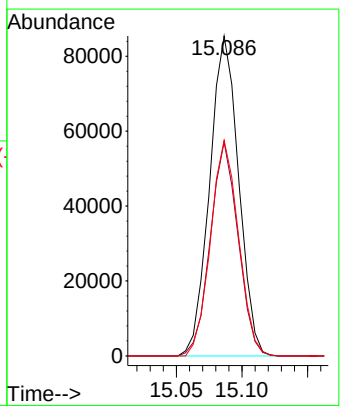
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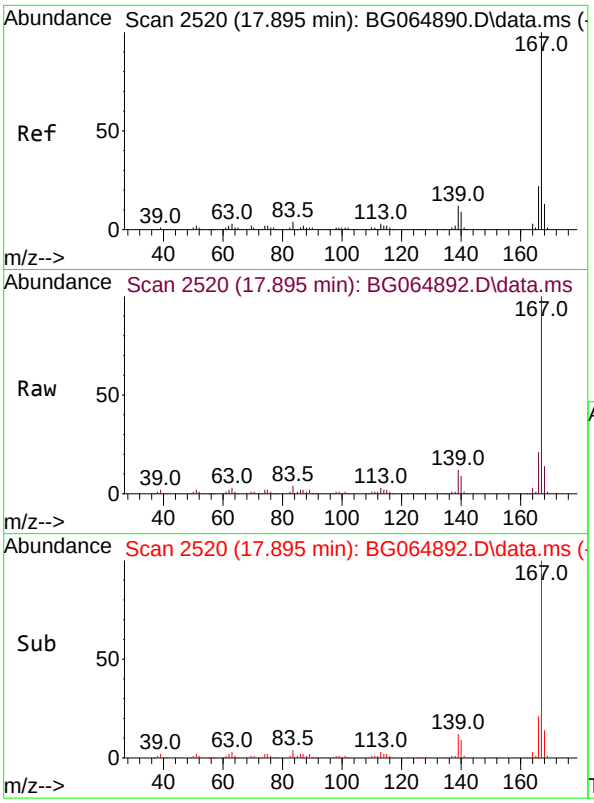


#76
Pentachlorobenzene
Concen: 34.498 ng/ul
RT: 15.086 min Scan# 2042
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:250 Resp: 131215

Ion	Ratio	Lower	Upper
250	100		
248	66.8	48.5	72.7
252	67.4	51.8	77.8

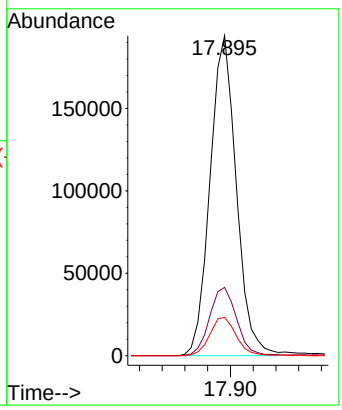




#77
Carbazole
Concen: 30.545 ng/ul
RT: 17.895 min Scan# 2520
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

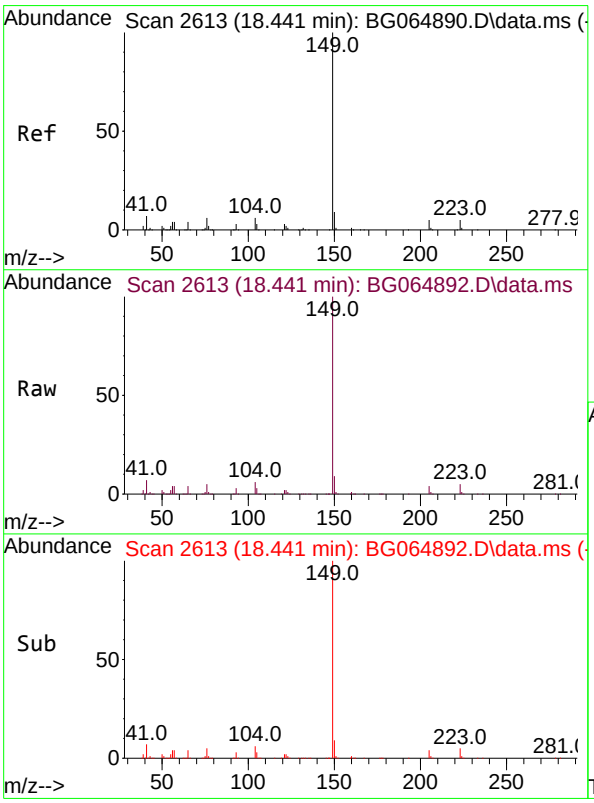
Tgt Ion:167 Resp: 311137

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.9	26.9
139	12.0	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SLCS721

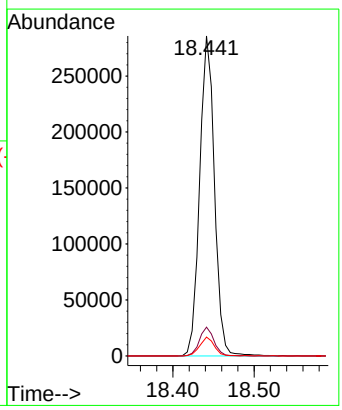
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

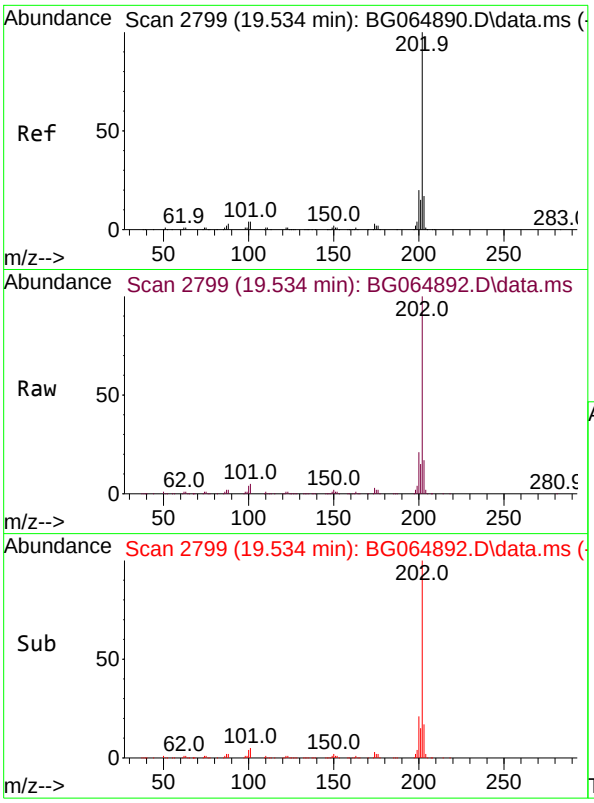


#78
Di-n-butylphthalate
Concen: 30.649 ng/ul
RT: 18.441 min Scan# 2613
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:149 Resp: 361099

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	5.9	3.5	5.3#

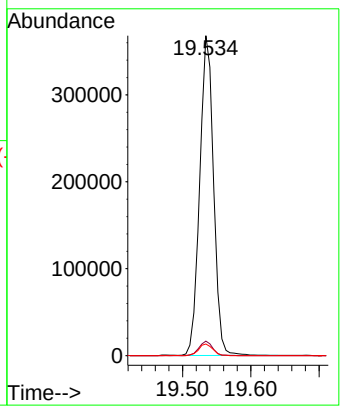




#80
Fluoranthene
Concen: 31.840 ng/ul
RT: 19.534 min Scan# 2799
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

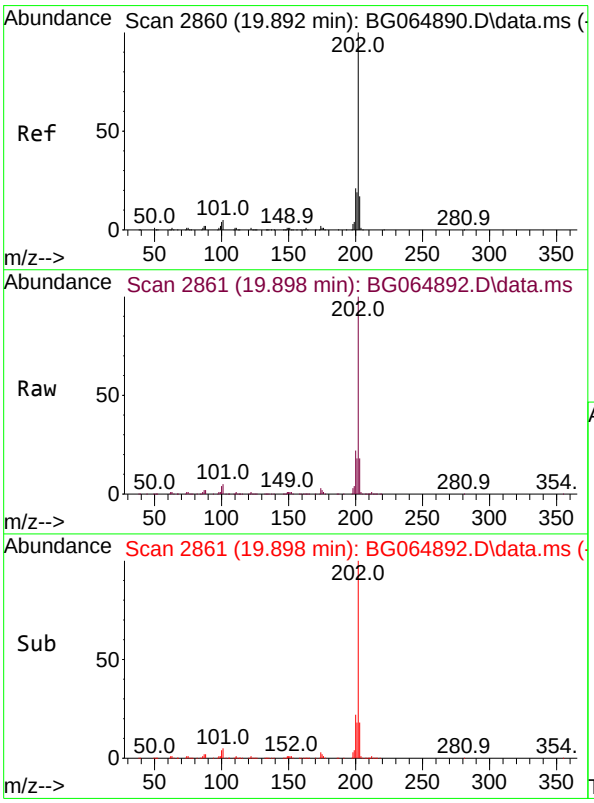
Tgt Ion:202 Resp: 520494

Ion	Ratio	Lower	Upper
202	100		
101	4.5	5.5	8.3#
100	3.6	4.9	7.3#



Instrument :
BNA_G
ClientSampleId :
SLCS721

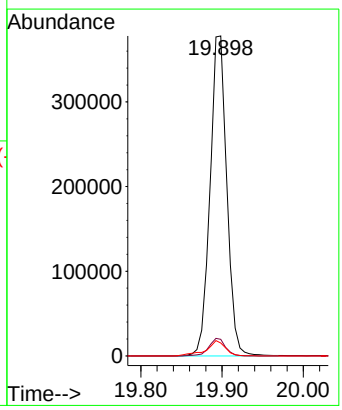
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

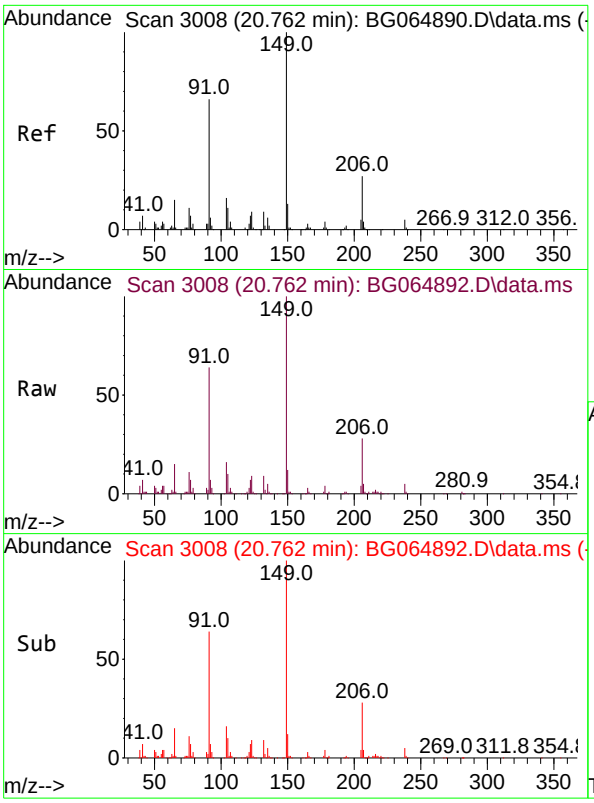


#82
Pyrene
Concen: 31.788 ng/ul
RT: 19.898 min Scan# 2861
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:202 Resp: 542394

Ion	Ratio	Lower	Upper
202	100		
101	5.2	6.0	9.0#
100	4.1	5.4	8.2#

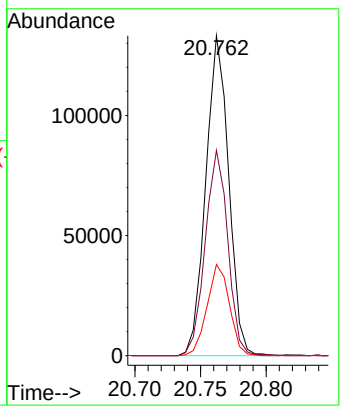


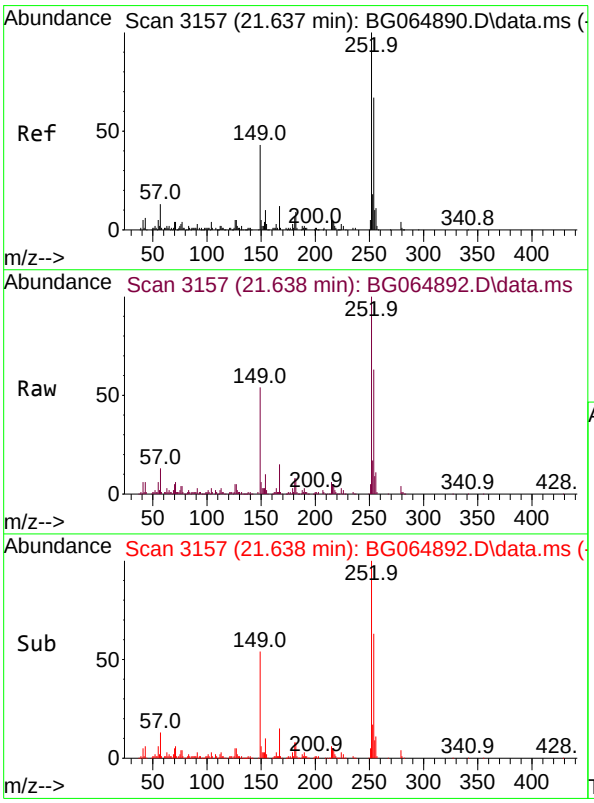


#83
Butylbenzylphthalate
Concen: 28.685 ng/ul
RT: 20.762 min Scan# 3008
Delta R.T. -0.001 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:149 Resp: 161633

Ion	Ratio	Lower	Upper
149	100		
91	64.1	48.3	72.5
206	28.5	19.9	29.9

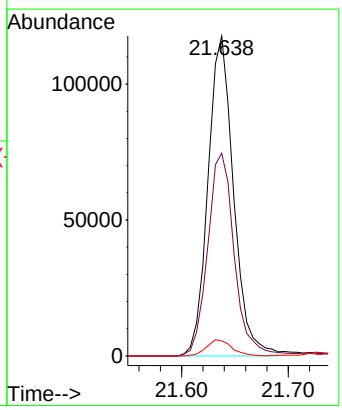




#84
3,3'-Dichlorobenzidine
Concen: 32.459 ng/ul
RT: 21.638 min Scan# 3157
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

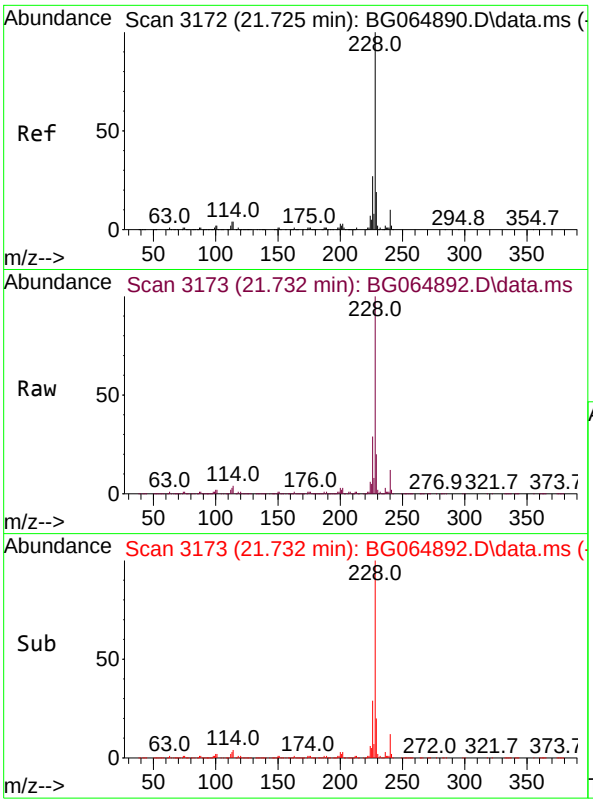
Tgt Ion:252 Resp: 196383

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.9	77.9
126	4.7	4.6	7.0



Instrument :
BNA_G
ClientSampleId :
SLCS721

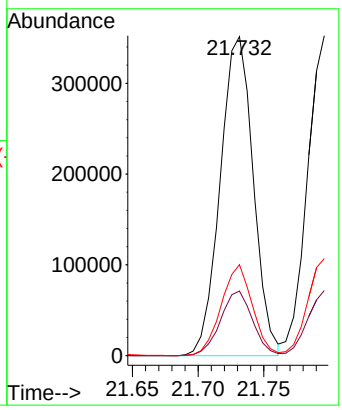
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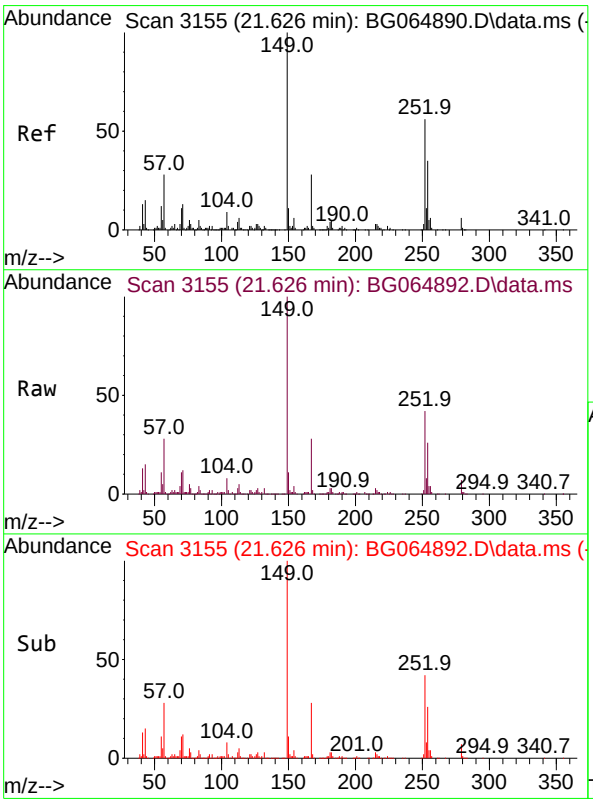


#85
Benzo(a)anthracene
Concen: 32.331 ng/ul
RT: 21.732 min Scan# 3173
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:228 Resp: 615840

Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.2	22.8
226	28.5	21.6	32.4

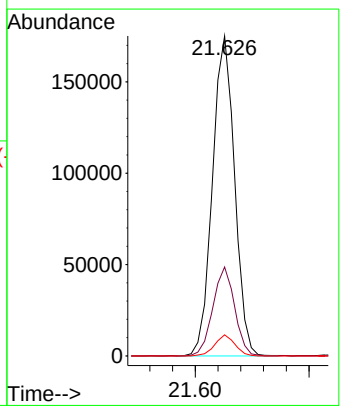




#86
Bis(2-ethylhexyl)phthalate
Concen: 28.361 ng/ul
RT: 21.626 min Scan# 3155
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

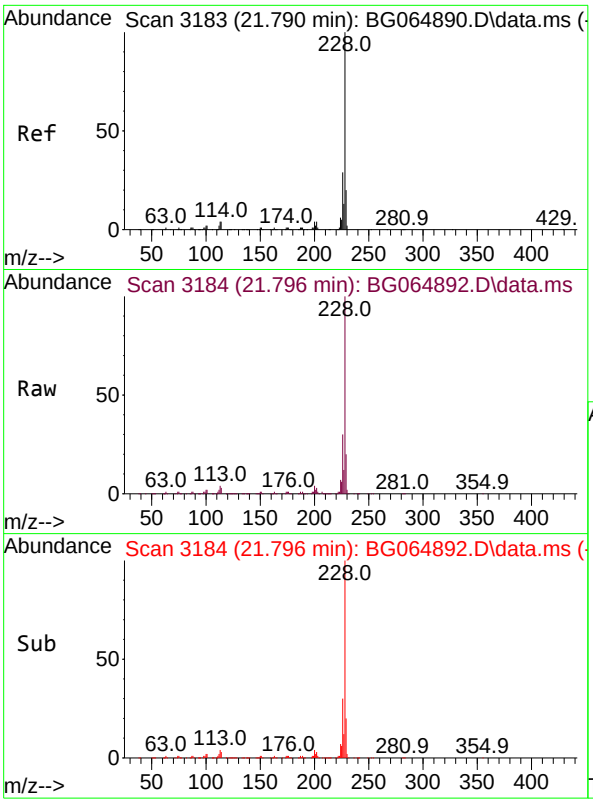
Tgt Ion:149 Resp: 236345

Ion	Ratio	Lower	Upper
149	100		
167	27.8	20.7	31.1
279	6.6	3.8	5.8#



Instrument :
BNA_G
ClientSampleId :
SLCS721

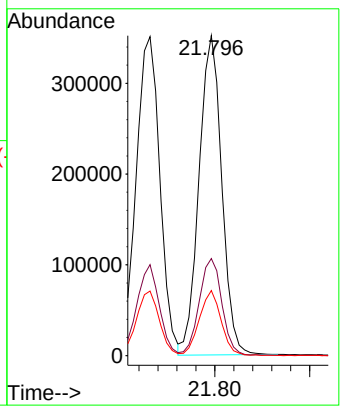
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



#87
Chrysene
Concen: 31.784 ng/ul
RT: 21.796 min Scan# 3184
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

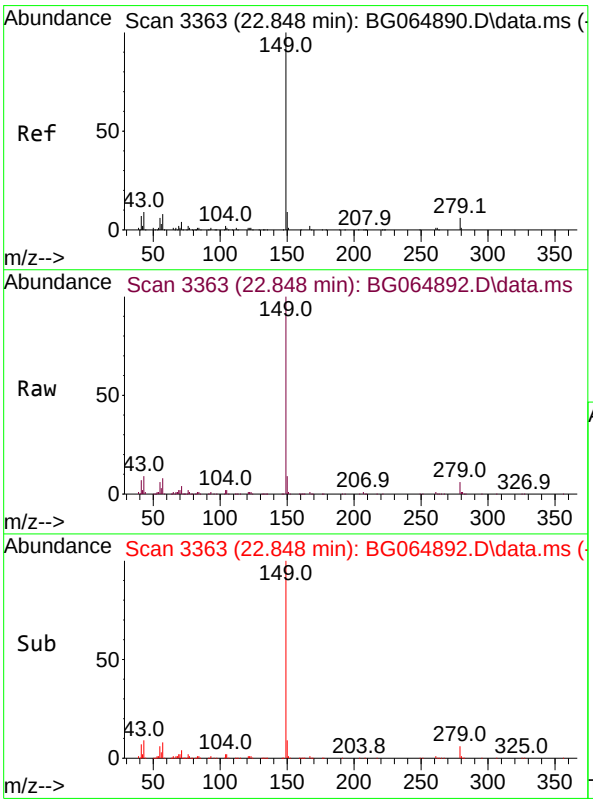
Tgt Ion:228 Resp: 585996

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	36.8
229	20.3	15.8	23.6



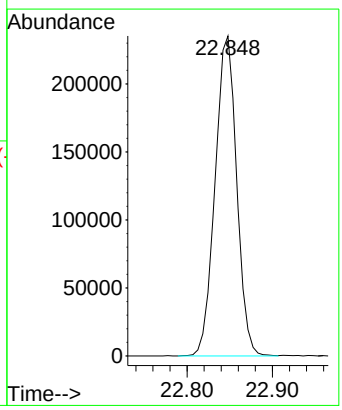
Instrument :
BNA_G
ClientSampleId :
SLCS721

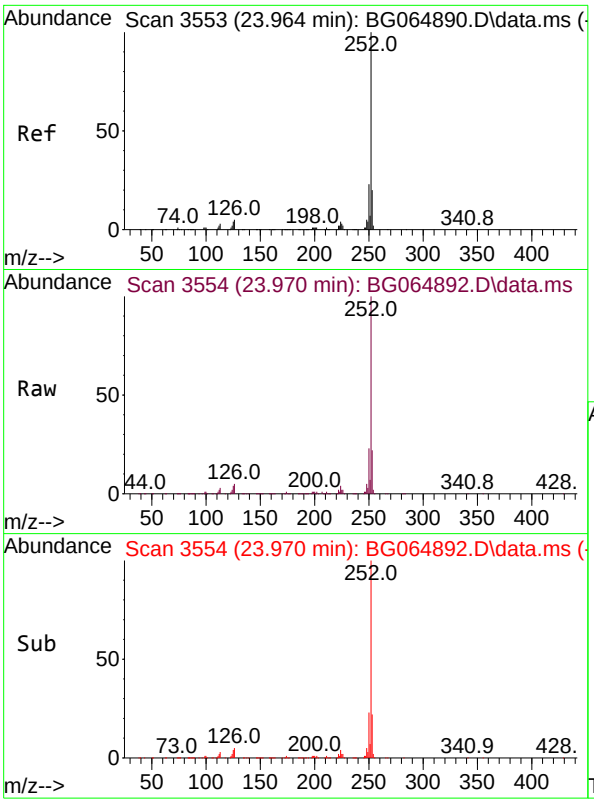
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#89
Di-n-octyl phthalate
Concen: 28.252 ng/ul
RT: 22.848 min Scan# 3363
Delta R.T. 0.005 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:149 Resp: 413188

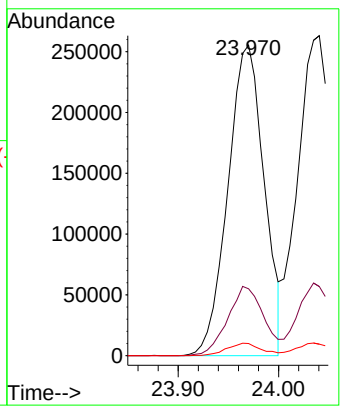


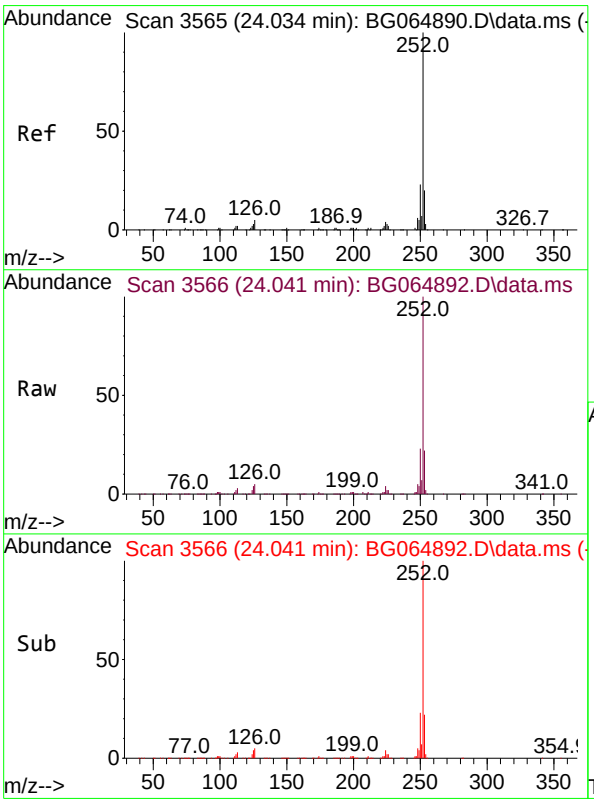


#90
Benzo(b)fluoranthene
Concen: 32.383 ng/ul
RT: 23.970 min Scan# 3554
Delta R.T. 0.010 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:252 Resp: 639893

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	3.9	4.6	6.8#

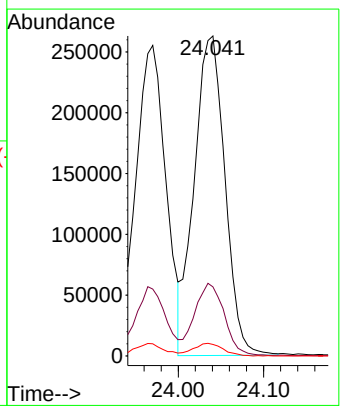




#91
Benzo(k)fluoranthene
Concen: 32.559 ng/ul
RT: 24.041 min Scan# 3566
Delta R.T. 0.016 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

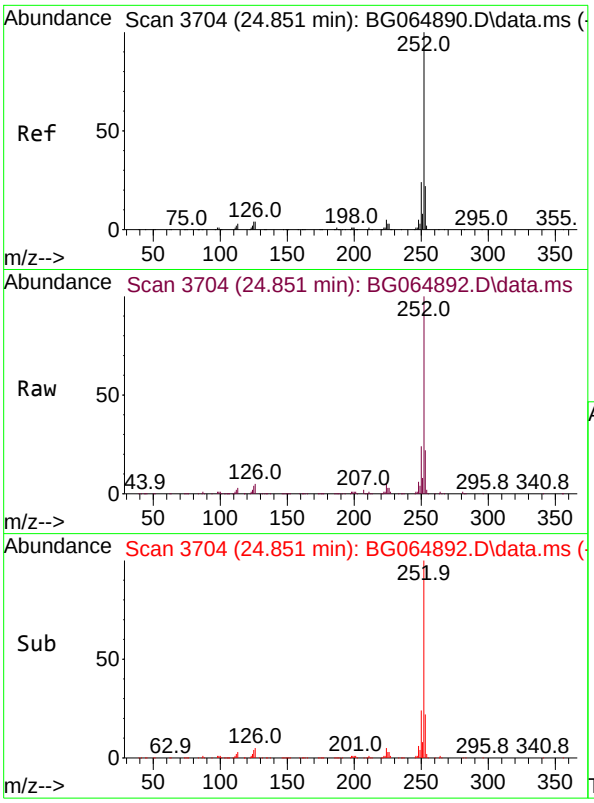
Tgt Ion:252 Resp: 658310

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.6	28.0
125	3.6	4.1	6.1#



Instrument :
BNA_G
ClientSampleId :
SLCS721

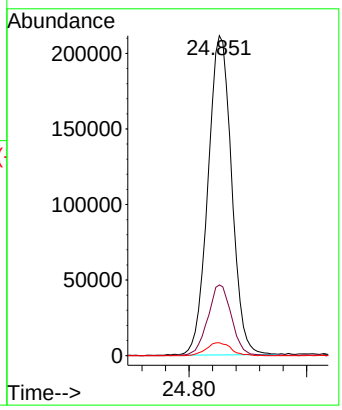
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



#93
Benzo(a)pyrene
Concen: 31.376 ng/ul
RT: 24.851 min Scan# 3704
Delta R.T. 0.004 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

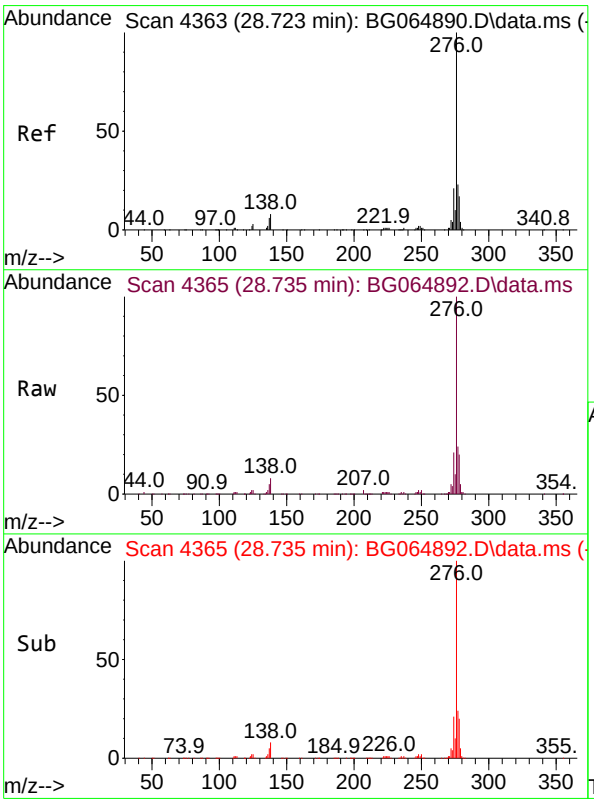
Tgt Ion:252 Resp: 589653

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	4.0	4.7	7.1#



Instrument :
BNA_G
ClientSampleId :
SLCS721

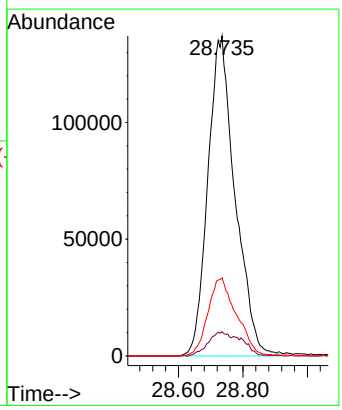
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

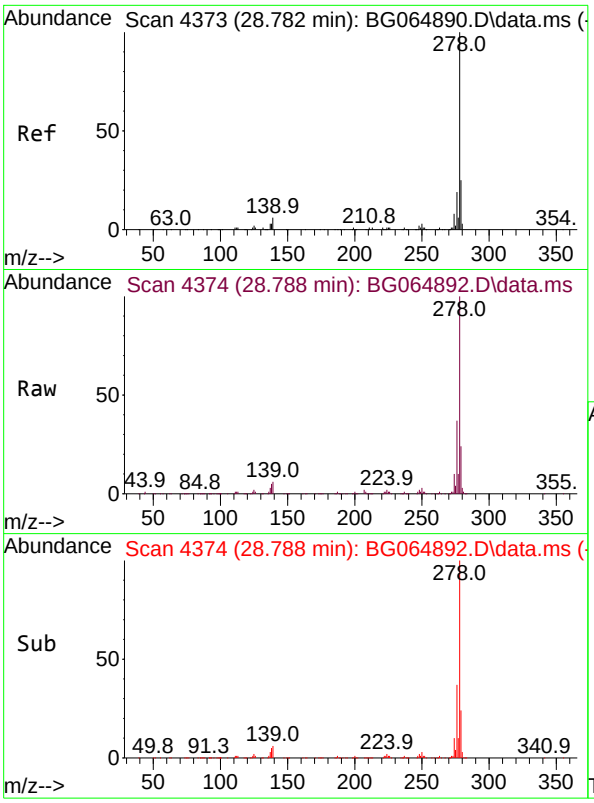


#94
Indeno(1,2,3-cd)pyrene
Concen: 33.258 ng/ul m
RT: 28.735 min Scan# 4365
Delta R.T. 0.022 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:276 Resp: 802976

Ion	Ratio	Lower	Upper
276	100		
138	7.6	9.0	13.4#
277	24.4	18.5	27.7

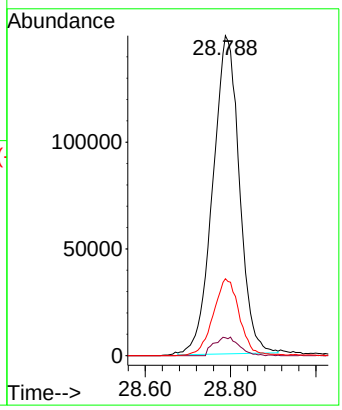




#95
Dibenzo(a,h)anthracene
Concen: 33.086 ng/ul
RT: 28.788 min Scan# 4374
Delta R.T. 0.010 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

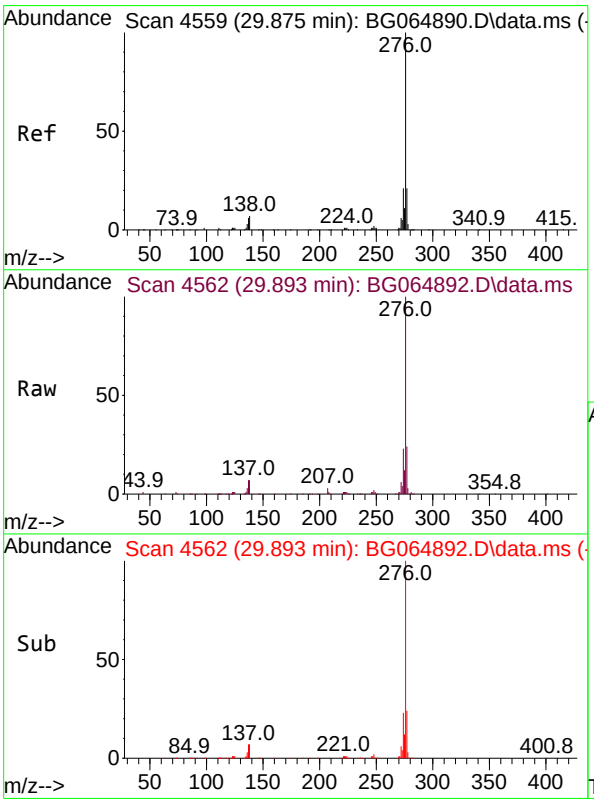
Tgt Ion:278 Resp: 644432

Ion	Ratio	Lower	Upper
278	100		
139	5.6	6.6	9.8#
279	24.0	18.6	27.8



Instrument :
BNA_G
ClientSampleId :
SLCS721

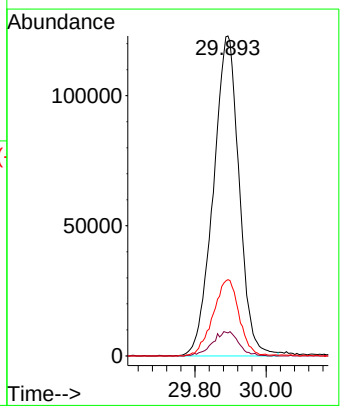
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#96
Benzo(g,h,i)perylene
Concen: 31.899 ng/ul
RT: 29.893 min Scan# 4562
Delta R.T. 0.022 min
Lab File: BG064892.D
Acq: 26 Nov 2025 17:04

Tgt Ion:276 Resp: 621653

Ion	Ratio	Lower	Upper
276	100		
138	7.2	9.8	14.8#
277	23.8	18.1	27.1



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	24012	20.000	ng/ul	0.00
20) Naphthalene-d8	10.974	136	96077	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	86093	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.501	188	222696	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	284112	20.000	ng/ul	# 0.00
88) Perylene-d12	25.004	264	320933	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	5053	8.341	ng/uL	0.00
4) Pyridine-d5	3.911	84	41509	24.867	ng/ul	0.00
7) Phenol-d5	7.301	99	60512	31.261	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	32866	26.548	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	51363	35.001	ng/ul	0.00
15) 4-Methylphenol-d8	8.858	113	51788	31.042	ng/ul	0.00
21) Nitrobenzene-d5	9.317	128	25038	34.552	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	31349	36.422	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	65380	36.842	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	52450	23.123	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	219534	32.417	ng/ul	0.00
49) Acenaphthylene-d8	14.464	160	234515	32.335	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	30979	30.173	ng/ul	0.00
60) Fluorene-d10	15.756	176	201909	33.210	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	49294	34.573	ng/ul	0.00
73) Anthracene-d10	17.595	188	359256	31.926	ng/ul	0.00
81) Pyrene-d10	19.869	212	476838	32.674	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.781	264	569527	33.636	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.518	88	5952	8.493	ng/uL	94
5) Pyridine	3.929	79	40568	22.197	ng/ul#	85
6) Benzaldehyde	7.284	77	4188m	4.405	ng/ul	
8) Phenol	7.331	94	64540	31.940	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.560	93	39388	26.358	ng/ul	93
12) 2-Chlorophenol	7.719	128	51757	33.302	ng/ul	98
13) 2-Methylphenol	8.594	108	48214	30.141	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.670	45	81990	26.134	ng/ul	100
16) Acetophenone	8.976	105	79152	28.844	ng/ul#	96
17) N-Nitroso-di-n-propyla...	8.958	70	37220	28.274	ng/ul#	86
18) 4-Methylphenol	8.923	108	51590	29.396	ng/ul	88
19) Hexachloroethane	9.252	117	20209	29.137	ng/ul	96
22) Nitrobenzene	9.364	77	58757	31.568	ng/ul	94
23) Isophorone	9.887	82	107522	29.489	ng/ul#	95
25) 2-Nitrophenol	10.075	139	30682	33.908	ng/ul#	90
26) 2,4-Dimethylphenol	10.128	107	55025	28.231	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.363	93	56542	27.651	ng/ul	97
29) 2,4-Dichlorophenol	10.615	162	61571	37.201	ng/ul	98
30) Naphthalene	11.026	128	170857	30.944	ng/ul	99
32) 4-Chloroaniline	11.120	127	40219	17.421	ng/ul	96
33) Hexachlorobutadiene	11.314	225	63930	36.825	ng/ul	96
34) Caprolactam	11.867	113	17236m	29.803	ng/ul	
35) 4-Chloro-3-methylphenol	12.231	107	63011	34.960	ng/ul	98
36) 2-Methylnaphthalene	12.619	142	130751	31.600	ng/ul	99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 01 11:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.836	142	129698	32.025	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	12.983	216	117008	35.375	ng/ul	97
40) Hexachlorocyclopentadiene	12.965	237	54621	23.836	ng/ul	92
41) 2,4,6-Trichlorophenol	13.212	196	65730	35.948	ng/ul	94
42) 2,4,5-Trichlorophenol	13.289	196	71344	37.031	ng/ul	97
43) 1,1'-Biphenyl	13.612	154	191395	31.577	ng/ul#	96
44) 2-Chloronaphthalene	13.659	162	150473	31.624	ng/ul	98
45) 2-Nitroaniline	13.847	65	47086	33.288	ng/ul	97
47) Dimethylphthalate	14.211	163	216594	31.341	ng/ul	99
48) 2,6-Dinitrotoluene	14.334	165	44004	34.700	ng/ul	95
50) Acenaphthylene	14.493	152	238775	28.777	ng/ul	98
51) 3-Nitroaniline	14.657	138	36076	32.800	ng/ul	98
52) Acenaphthene	14.834	153	172283	31.665	ng/ul	100
53) 2,4-Dinitrophenol	14.863	184	26971	36.167	ng/ul#	86
55) 4-Nitrophenol	14.957	109	35063	36.944	ng/ul#	79
56) Dibenzofuran	15.163	168	263593	31.740	ng/ul	97
57) 2,4-Dinitrotoluene	15.110	165	68050	35.272	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.386	232	76119	34.890	ng/ul	92
59) Diethylphthalate	15.568	149	212621	31.326	ng/ul	99
61) Fluorene	15.809	166	207923	31.918	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.797	204	136563	34.377	ng/ul	99
63) 4-Nitroaniline	15.815	138	42284	37.339	ng/ul#	80
66) 4,6-Dinitro-2-methylph...	15.874	198	48830	35.240	ng/ul	97
67) N-Nitrosodiphenylamine	16.003	169	183058	30.587	ng/ul	99
68) 4-Bromophenyl-phenylether	16.685	248	106338	35.817	ng/ul	97
69) Hexachlorobenzene	16.814	284	127015	35.264	ng/ul	93
70) Atrazine	16.937	200	9545	3.333	ng/ul#	93
71) Pentachlorophenol	17.149	266	61691	30.845	ng/ul	96
72) Phenanthrene	17.542	178	385124	30.928	ng/ul	98
74) Anthracene	17.630	178	388390	31.095	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.582	216	117414	35.070	ng/ul	100
76) Pentachlorobenzene	15.086	250	131215	34.498	ng/ul	94
77) Carbazole	17.895	167	311137	30.545	ng/ul	98
78) Di-n-butylphthalate	18.441	149	361099	30.649	ng/ul#	98
80) Fluoranthene	19.534	202	520494	31.840	ng/ul#	93
82) Pyrene	19.898	202	542394	31.788	ng/ul#	93
83) Butylbenzylphthalate	20.762	149	161633	28.685	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.638	252	196383	32.459	ng/ul	98
85) Benzo(a)anthracene	21.732	228	615840	32.331	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.626	149	236345	28.361	ng/ul#	96
87) Chrysene	21.796	228	585996	31.784	ng/ul	99
89) Di-n-octyl phthalate	22.848	149	413188	28.252	ng/ul	100
90) Benzo(b)fluoranthene	23.970	252	639893	32.383	ng/ul#	99
91) Benzo(k)fluoranthene	24.041	252	658310	32.559	ng/ul#	96
93) Benzo(a)pyrene	24.851	252	589653	31.376	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.735	276	802976m	33.258	ng/ul	
95) Dibenzo(a,h)anthracene	28.788	278	644432	33.086	ng/ul#	97
96) Benzo(g,h,i)perylene	29.893	276	621653	31.899	ng/ul#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

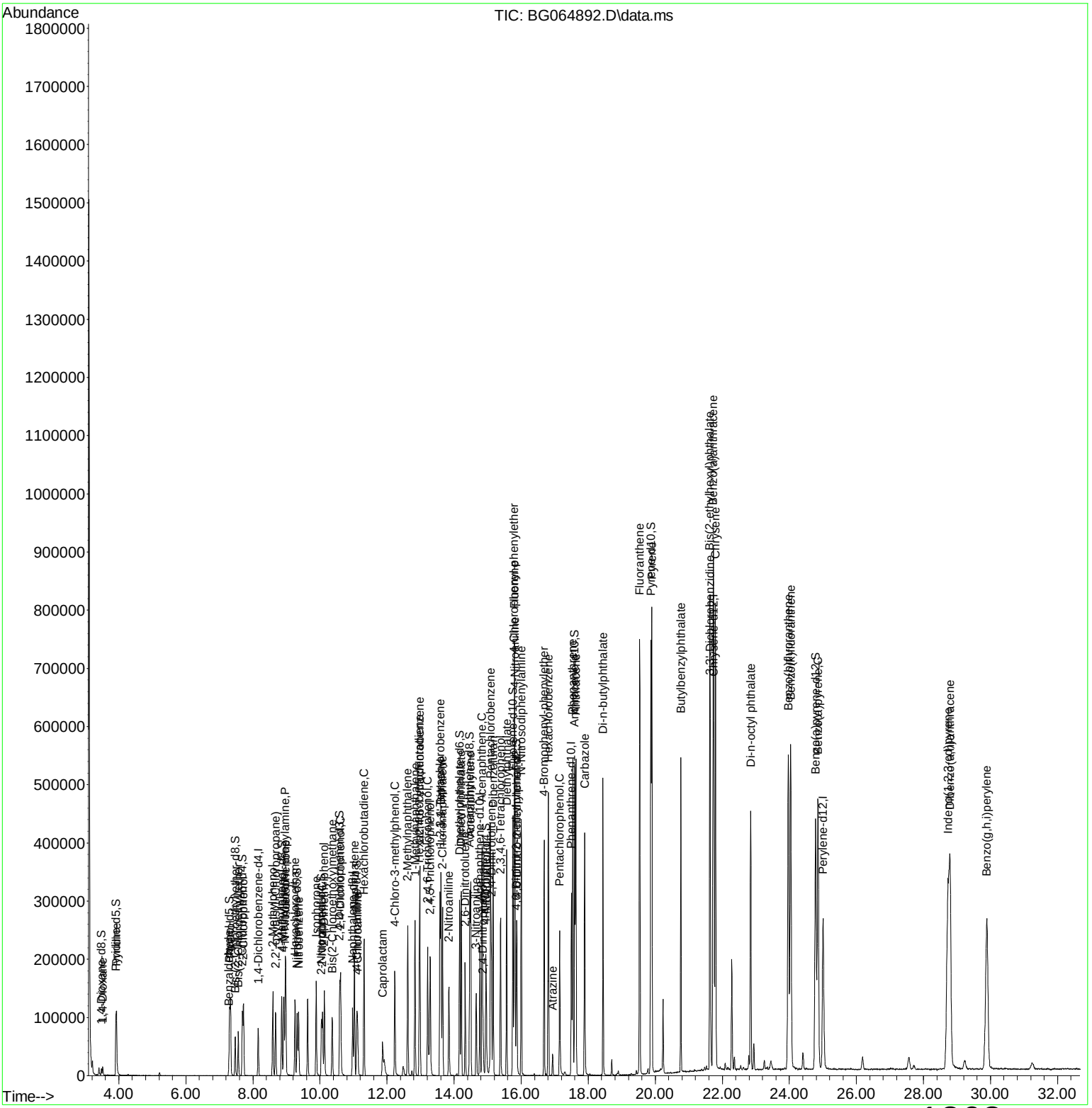
Quantitation Report (QT Reviewed)

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Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 01 11:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
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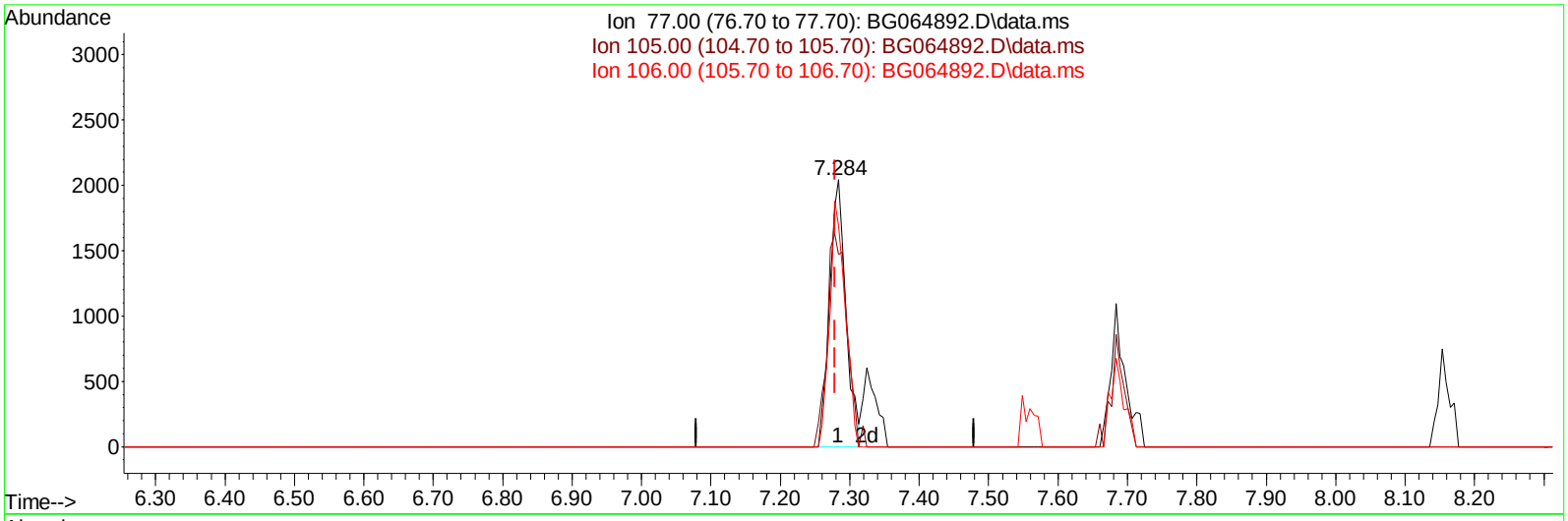
Quantitation Report (Qedit)

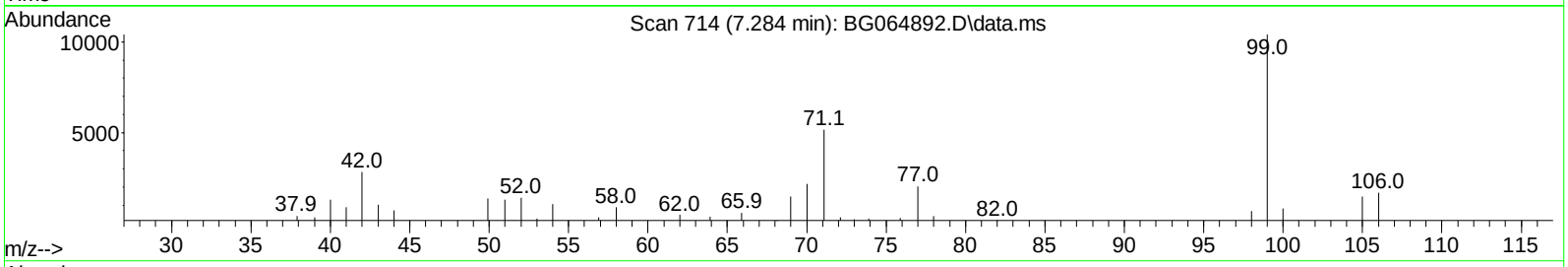
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Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

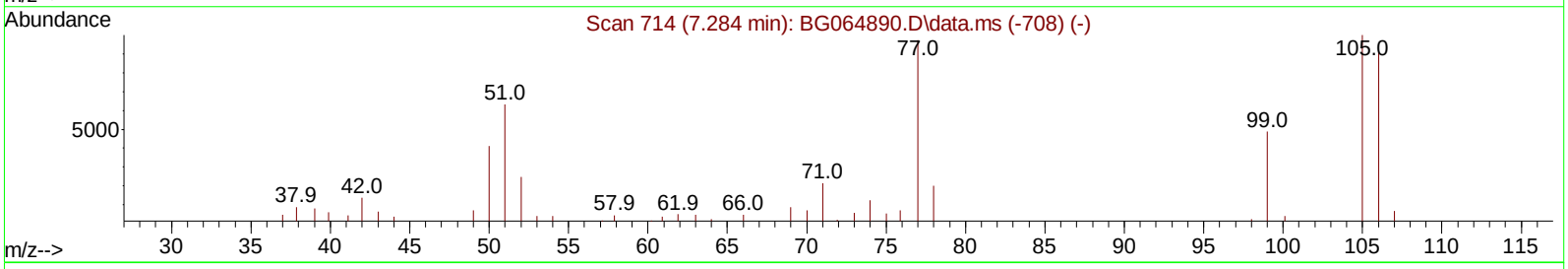
Quant Time: Dec 01 11:31:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064892.D\data.ms

(6) Benzaldehyde

7.284min (+ 0.005) 3.56 ng/ul

response 3385

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	94.90	72.04#
106.00	92.90	82.91
0.00	0.00	0.00

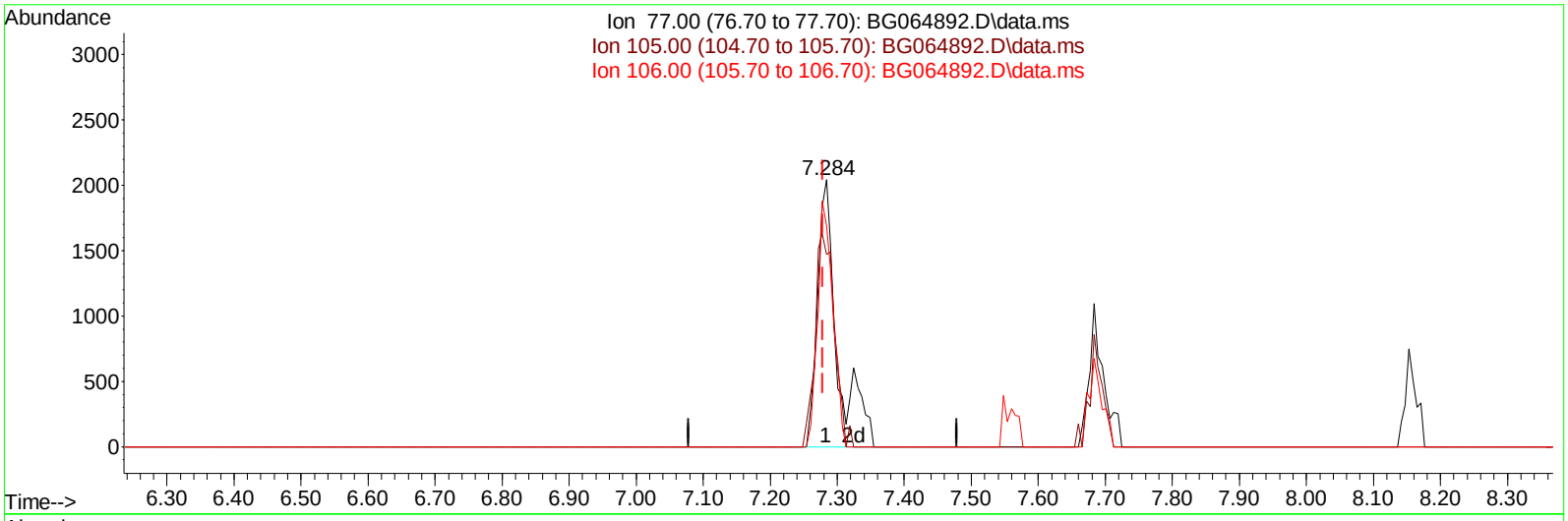
Quantitation Report (Qedit)

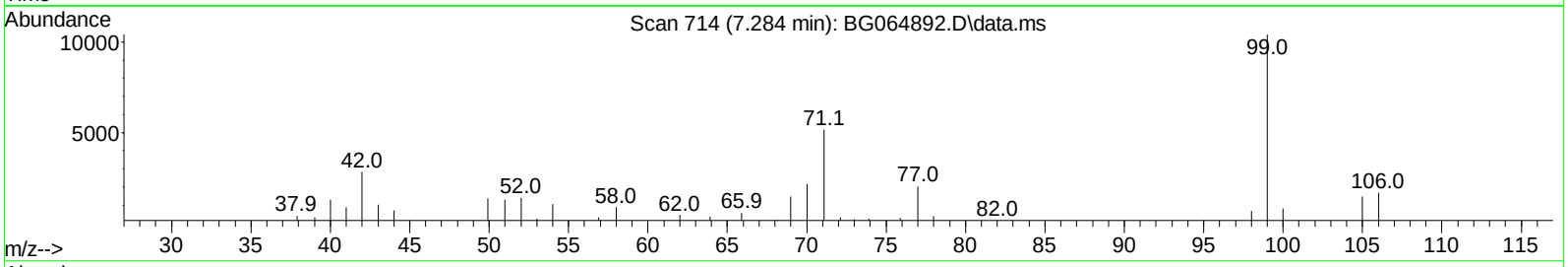
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Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

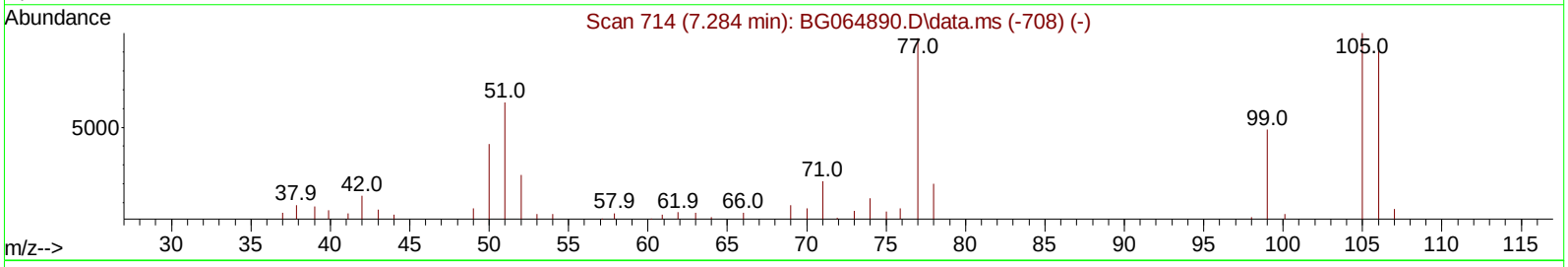
Quant Time: Dec 01 11:31:39 2025
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064892.D\data.ms

(6) Benzaldehyde

7.284min (+ 0.005) 4.41 ng/ul m

response 4188

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	94.90	72.04#
106.00	92.90	82.91
0.00	0.00	0.00

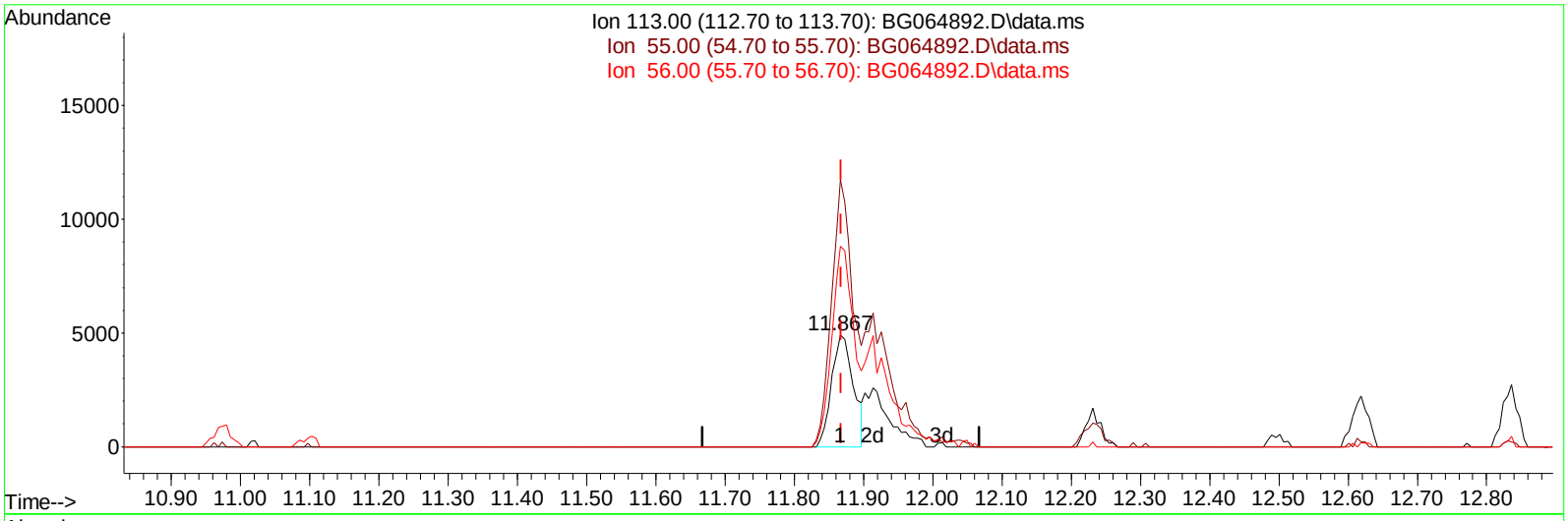
Quantitation Report (Qedit)

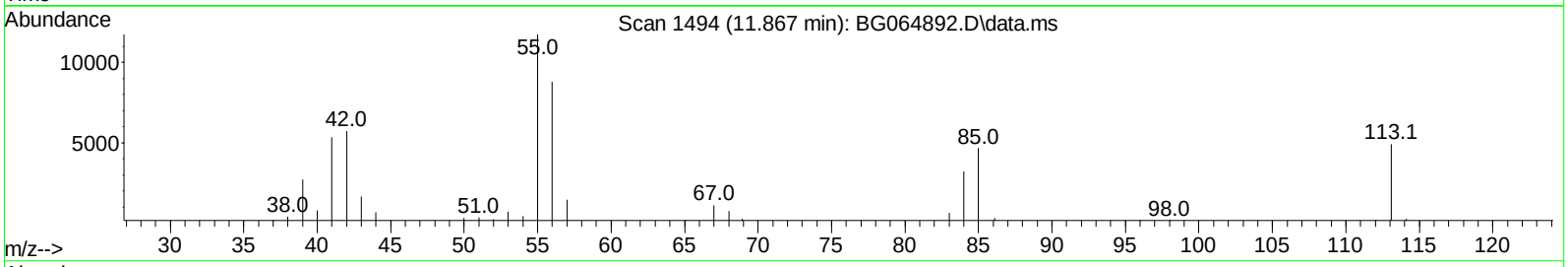
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

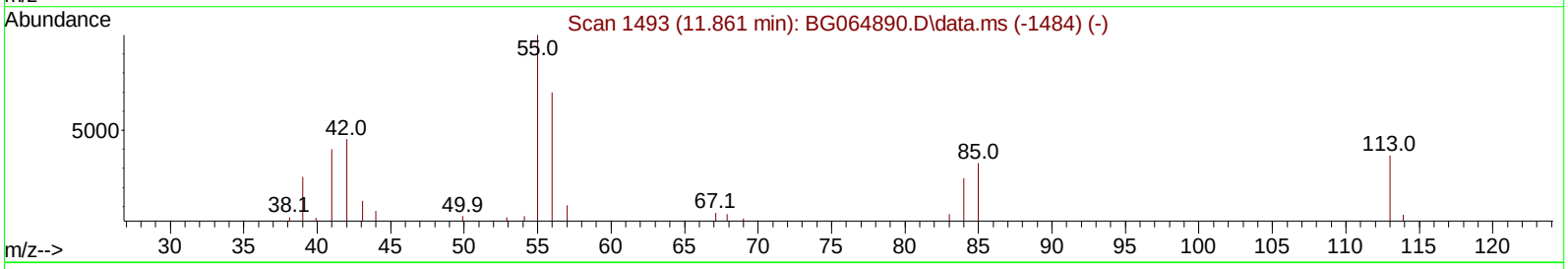
Quant Time: Dec 01 11:30:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064892.D\data.ms

(34) Caprolactam

11.867min (-0.001) 18.44 ng/ul

response 10662

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	238.32
56.00	159.40	178.72
0.00	0.00	0.00

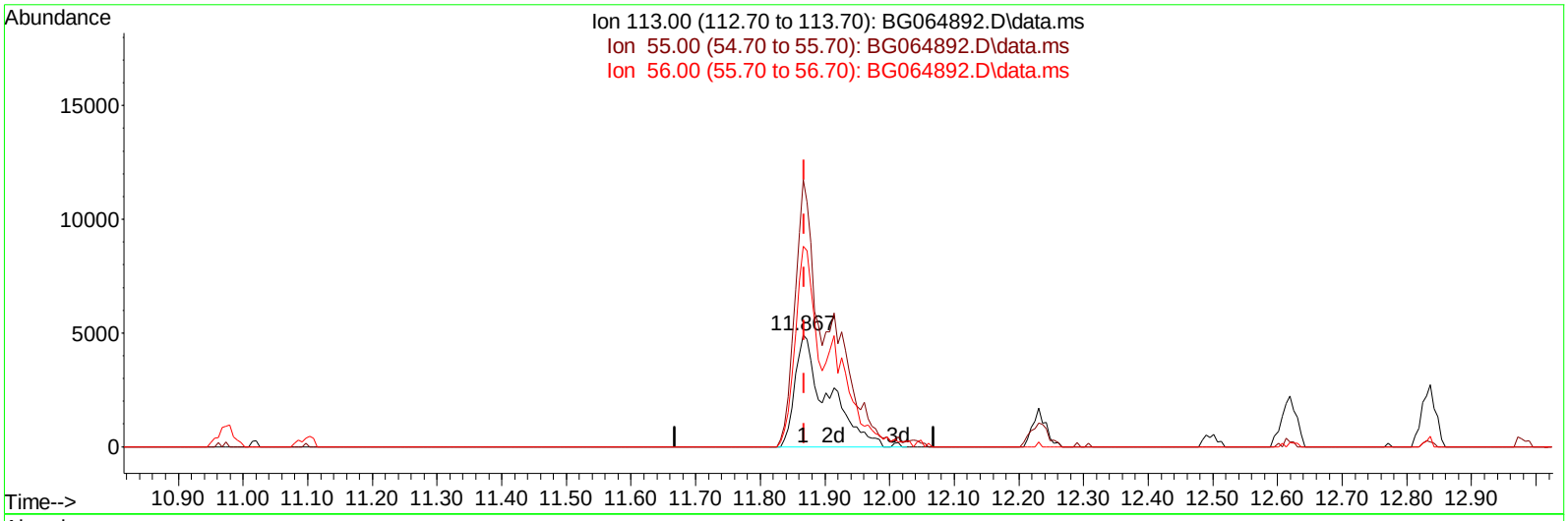
Quantitation Report (Qedit)

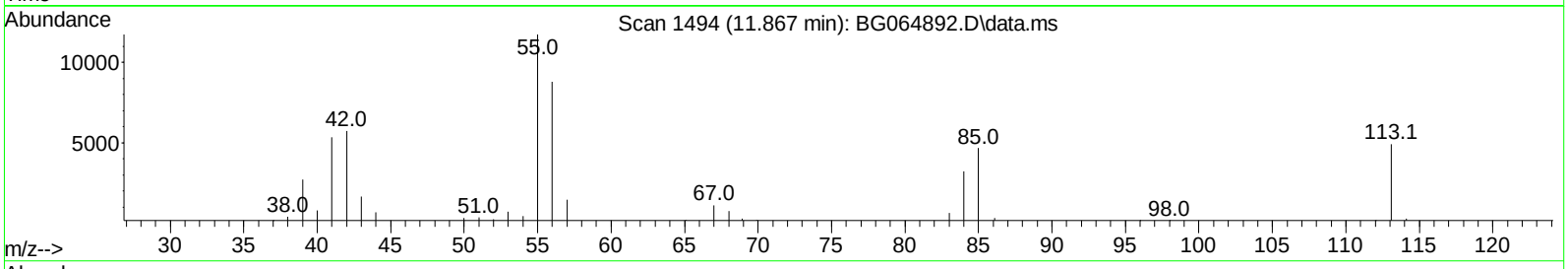
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Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

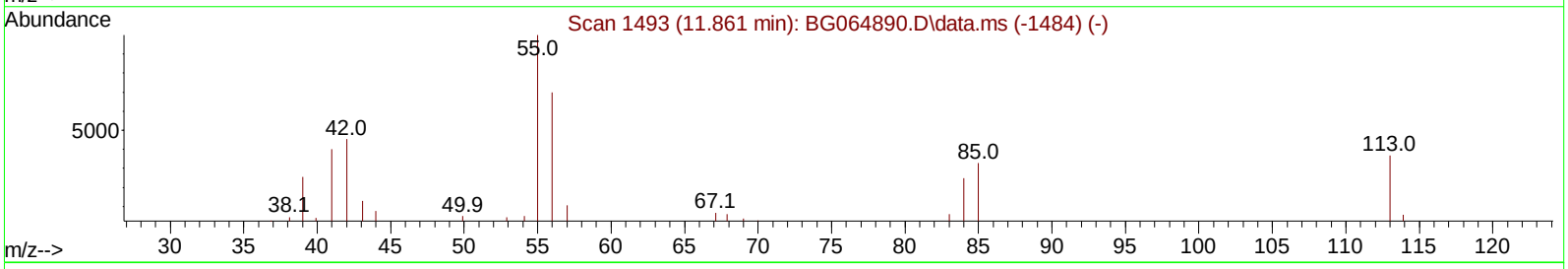
Quant Time: Dec 01 11:30:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064892.D\data.ms

(34) Caprolactam

11.867min (-0.001) 29.80 ng/ul m

response 17236

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	238.32
56.00	159.40	178.72
0.00	0.00	0.00

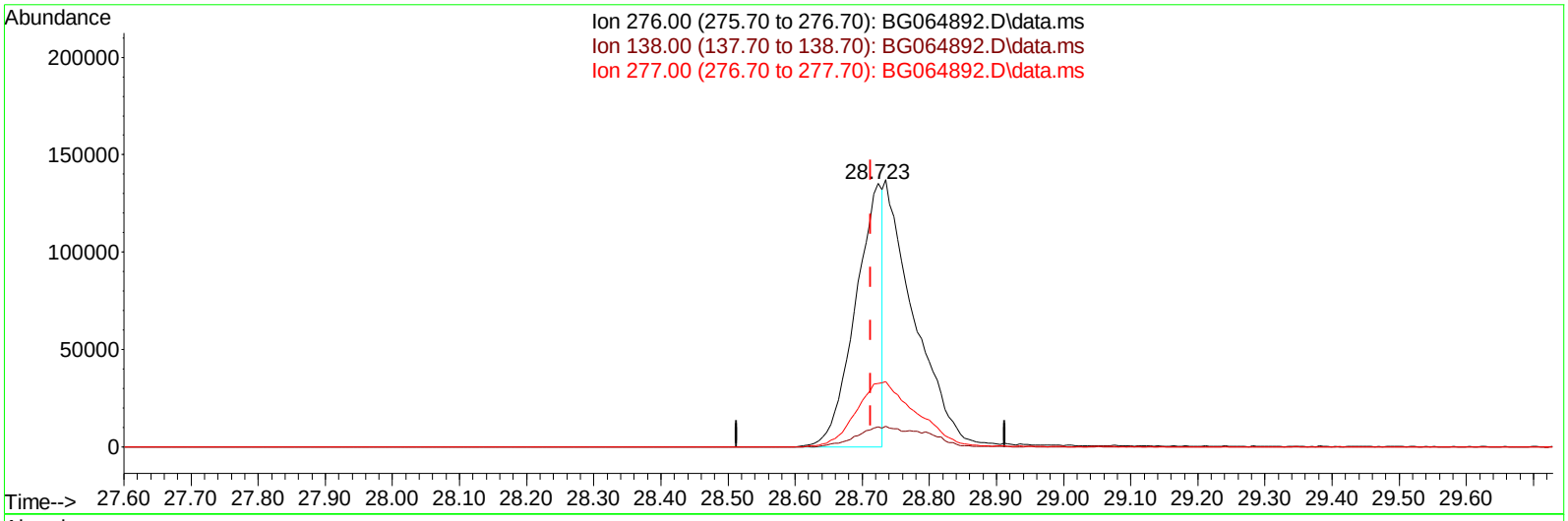
Quantitation Report (Qedit)

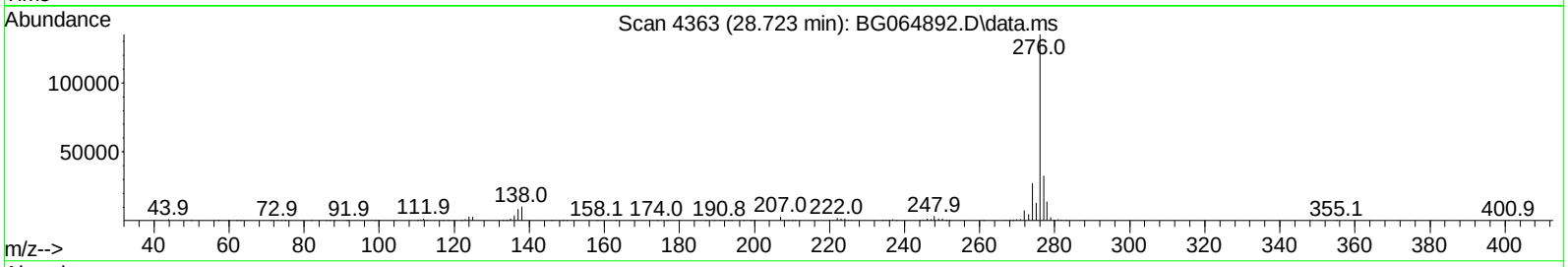
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

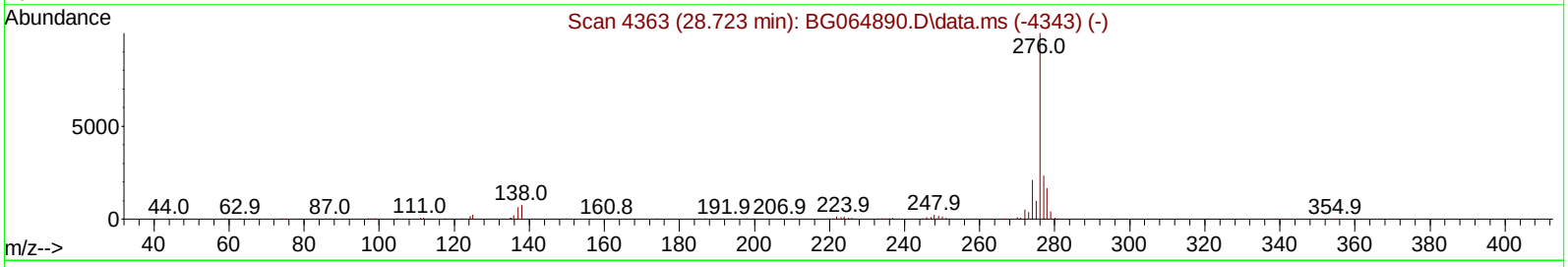
Quant Time: Dec 01 11:30:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
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TIC: BG064892.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.723min (+ 0.010) 15.70 ng/ul

response 379071

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.20	7.48#
277.00	23.10	24.03
0.00	0.00	0.00

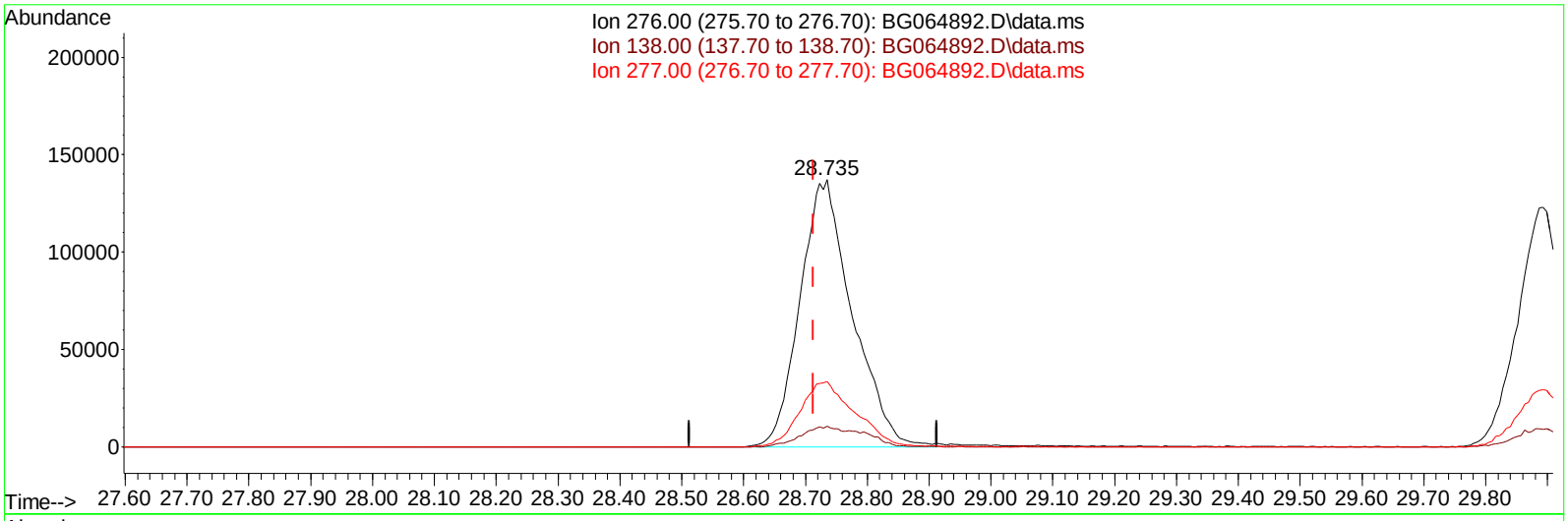
Quantitation Report (Qedit)

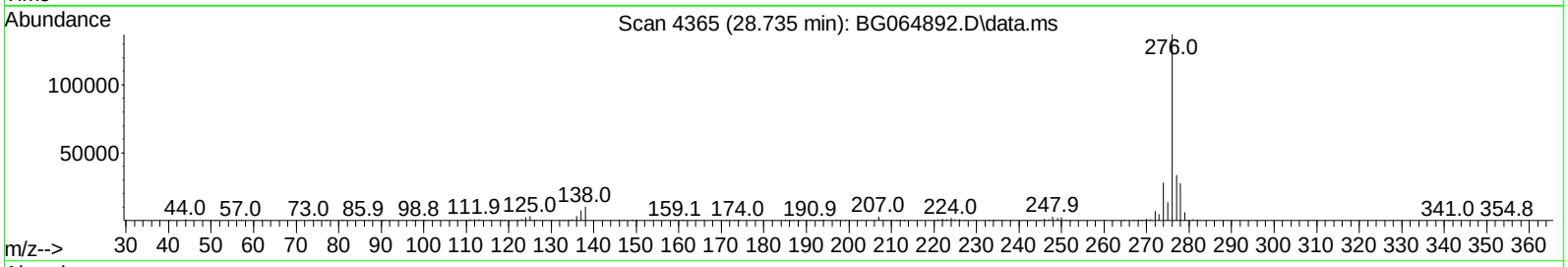
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

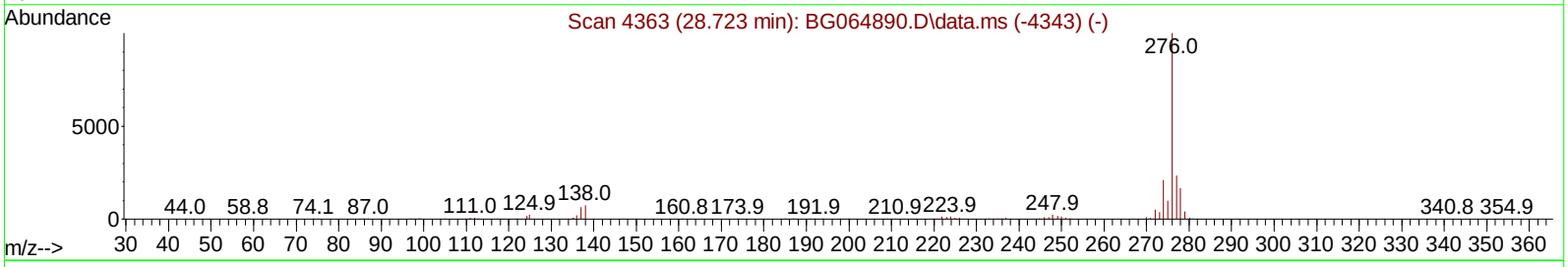
Quant Time: Dec 01 11:30:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
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TIC: BG064892.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.735min (+ 0.022) 33.26 ng/ul m

response 802976

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.20	7.59#
277.00	23.10	24.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 01 11:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	24012	20.000	ng/ul	0.00
20) Naphthalene-d8	10.974	136	96077	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	86093	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.501	188	222696	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	284112	20.000	ng/ul	# 0.00
88) Perylene-d12	25.004	264	320933	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	5053	8.341	ng/uL	0.00
4) Pyridine-d5	3.911	84	41509	24.867	ng/ul	0.00
7) Phenol-d5	7.301	99	60512	31.261	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	32866	26.548	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	51363	35.001	ng/ul	0.00
15) 4-Methylphenol-d8	8.858	113	51788	31.042	ng/ul	0.00
21) Nitrobenzene-d5	9.317	128	25038	34.552	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	31349	36.422	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	65380	36.842	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	52450	23.123	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	219534	32.417	ng/ul	0.00
49) Acenaphthylene-d8	14.464	160	234515	32.335	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	30979	30.173	ng/ul	0.00
60) Fluorene-d10	15.756	176	201909	33.210	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	49294	34.573	ng/ul	0.00
73) Anthracene-d10	17.595	188	359256	31.926	ng/ul	0.00
81) Pyrene-d10	19.869	212	476838	32.674	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.781	264	569527	33.636	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.518	88	5952	8.493	ng/uL	94
5) Pyridine	3.929	79	40568	22.197	ng/ul#	85
6) Benzaldehyde	7.284	77	4188m	4.405	ng/ul	
8) Phenol	7.331	94	64540	31.940	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.560	93	39388	26.358	ng/ul	93
12) 2-Chlorophenol	7.719	128	51757	33.302	ng/ul	98
13) 2-Methylphenol	8.594	108	48214	30.141	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.670	45	81990	26.134	ng/ul	100
16) Acetophenone	8.976	105	79152	28.844	ng/ul#	96
17) N-Nitroso-di-n-propyla...	8.958	70	37220	28.274	ng/ul#	86
18) 4-Methylphenol	8.923	108	51590	29.396	ng/ul	88
19) Hexachloroethane	9.252	117	20209	29.137	ng/ul	96
22) Nitrobenzene	9.364	77	58757	31.568	ng/ul	94
23) Isophorone	9.887	82	107522	29.489	ng/ul#	95
25) 2-Nitrophenol	10.075	139	30682	33.908	ng/ul#	90
26) 2,4-Dimethylphenol	10.128	107	55025	28.231	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.363	93	56542	27.651	ng/ul	97
29) 2,4-Dichlorophenol	10.615	162	61571	37.201	ng/ul	98
30) Naphthalene	11.026	128	170857	30.944	ng/ul	99
32) 4-Chloroaniline	11.120	127	40219	17.421	ng/ul	96
33) Hexachlorobutadiene	11.314	225	63930	36.825	ng/ul	96
34) Caprolactam	11.867	113	17236m	29.803	ng/ul	
35) 4-Chloro-3-methylphenol	12.231	107	63011	34.960	ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064892.D
Acq On : 26 Nov 2025 17:04
Operator : RC/JU
Sample : PB170721BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 01 11:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS721

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.619	142	130751	31.600 ng/ul	99
37) 1-Methylnaphthalene	12.836	142	129698	32.025 ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	12.983	216	117008	35.375 ng/ul	97
40) Hexachlorocyclopentadiene	12.965	237	54621	23.836 ng/ul	92
41) 2,4,6-Trichlorophenol	13.212	196	65730	35.948 ng/ul	94
42) 2,4,5-Trichlorophenol	13.289	196	71344	37.031 ng/ul	97
43) 1,1'-Biphenyl	13.612	154	191395	31.577 ng/ul#	96
44) 2-Chloronaphthalene	13.659	162	150473	31.624 ng/ul	98
45) 2-Nitroaniline	13.847	65	47086	33.288 ng/ul	97
47) Dimethylphthalate	14.211	163	216594	31.341 ng/ul	99
48) 2,6-Dinitrotoluene	14.334	165	44004	34.700 ng/ul	95
50) Acenaphthylene	14.493	152	238775	28.777 ng/ul	98
51) 3-Nitroaniline	14.657	138	36076	32.800 ng/ul	98
52) Acenaphthene	14.834	153	172283	31.665 ng/ul	100
53) 2,4-Dinitrophenol	14.863	184	26971	36.167 ng/ul#	86
55) 4-Nitrophenol	14.957	109	35063	36.944 ng/ul#	79
56) Dibenzofuran	15.163	168	263593	31.740 ng/ul	97
57) 2,4-Dinitrotoluene	15.110	165	68050	35.272 ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.386	232	76119	34.890 ng/ul	92
59) Diethylphthalate	15.568	149	212621	31.326 ng/ul	99
61) Fluorene	15.809	166	207923	31.918 ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.797	204	136563	34.377 ng/ul	99
63) 4-Nitroaniline	15.815	138	42284	37.339 ng/ul#	80
66) 4,6-Dinitro-2-methylph...	15.874	198	48830	35.240 ng/ul	97
67) N-Nitrosodiphenylamine	16.003	169	183058	30.587 ng/ul	99
68) 4-Bromophenyl-phenylether	16.685	248	106338	35.817 ng/ul	97
69) Hexachlorobenzene	16.814	284	127015	35.264 ng/ul	93
70) Atrazine	16.937	200	9545	3.333 ng/ul#	93
71) Pentachlorophenol	17.149	266	61691	30.845 ng/ul	96
72) Phenanthrene	17.542	178	385124	30.928 ng/ul	98
74) Anthracene	17.630	178	388390	31.095 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.582	216	117414	35.070 ng/ul	100
76) Pentachlorobenzene	15.086	250	131215	34.498 ng/ul	94
77) Carbazole	17.895	167	311137	30.545 ng/ul	98
78) Di-n-butylphthalate	18.441	149	361099	30.649 ng/ul#	98
80) Fluoranthene	19.534	202	520494	31.840 ng/ul#	93
82) Pyrene	19.898	202	542394	31.788 ng/ul#	93
83) Butylbenzylphthalate	20.762	149	161633	28.685 ng/ul	94
84) 3,3'-Dichlorobenzidine	21.638	252	196383	32.459 ng/ul	98
85) Benzo(a)anthracene	21.732	228	615840	32.331 ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.626	149	236345	28.361 ng/ul#	96
87) Chrysene	21.796	228	585996	31.784 ng/ul	99
89) Di-n-octyl phthalate	22.848	149	413188	28.252 ng/ul	100
90) Benzo(b)fluoranthene	23.970	252	639893	32.383 ng/ul#	99
91) Benzo(k)fluoranthene	24.041	252	658310	32.559 ng/ul#	96
93) Benzo(a)pyrene	24.851	252	589653	31.376 ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.735	276	802976m	33.258 ng/ul	
95) Dibenzo(a,h)anthracene	28.788	278	644432	33.086 ng/ul#	97
96) Benzo(g,h,i)perylene	29.893	276	621653	31.899 ng/ul#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS723

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170723BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064893.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	36	
117-81-7	Bis(2-ethylhexyl)phthalate	34	

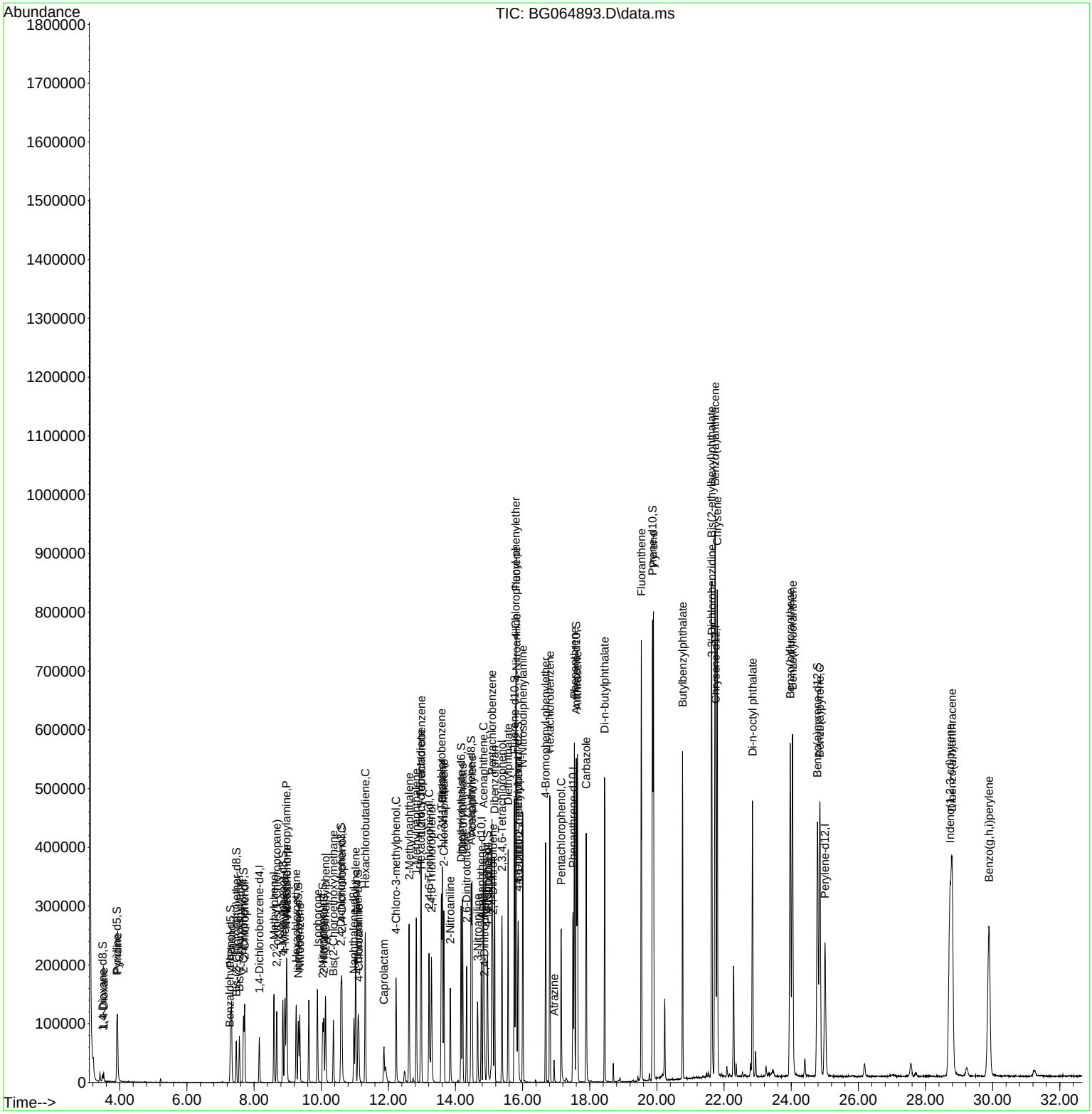
Quantitation Report (QT Reviewed)

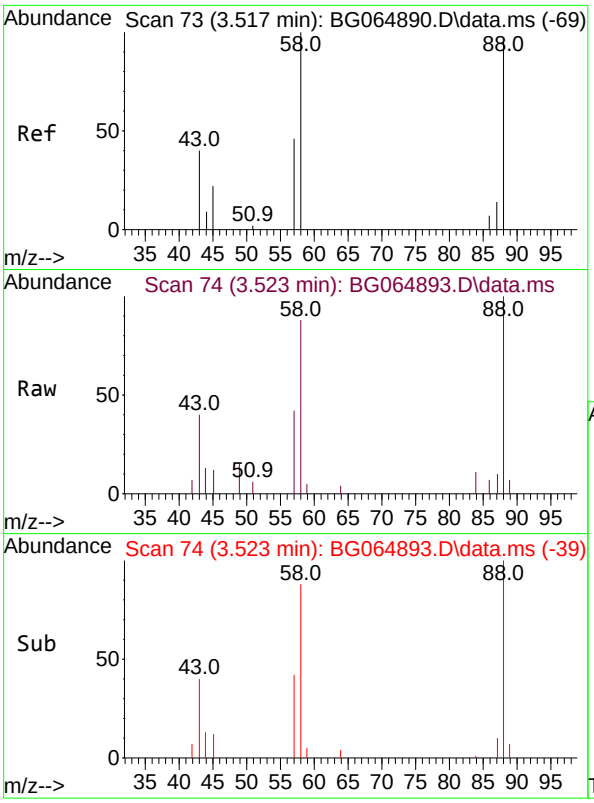
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064893.D
Acq On : 26 Nov 2025 17:45
Operator : RC/JU
Sample : PB170723BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 01 11:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS723

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

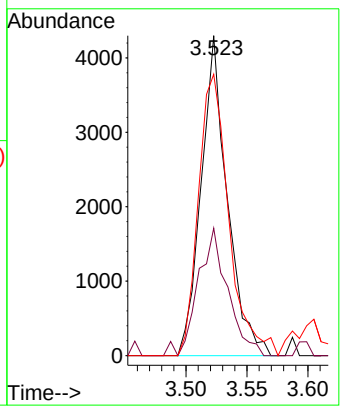


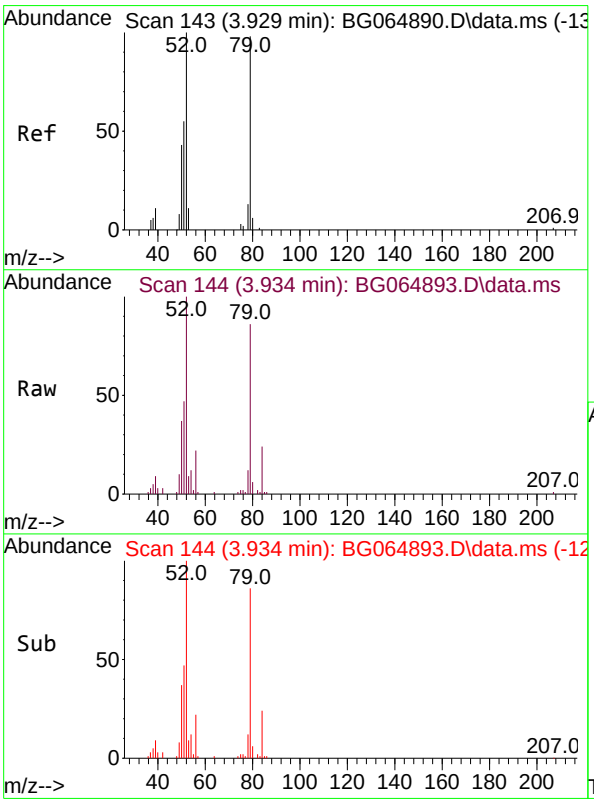


#2
1,4-Dioxane
Concen: 9.622 ng/uL
RT: 3.523 min Scan# 74
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion: 88 Resp: 6417

Ion	Ratio	Lower	Upper
88	100		
43	39.8	29.6	44.4
58	87.9	87.8	131.6

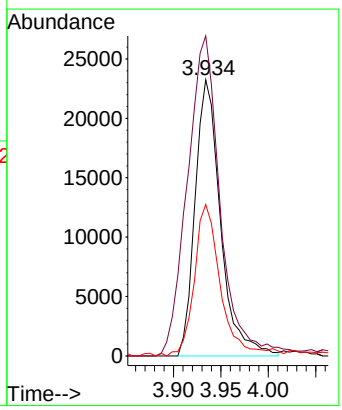




#5
Pyridine
Concen: 24.944 ng/ul
RT: 3.934 min Scan# 144
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

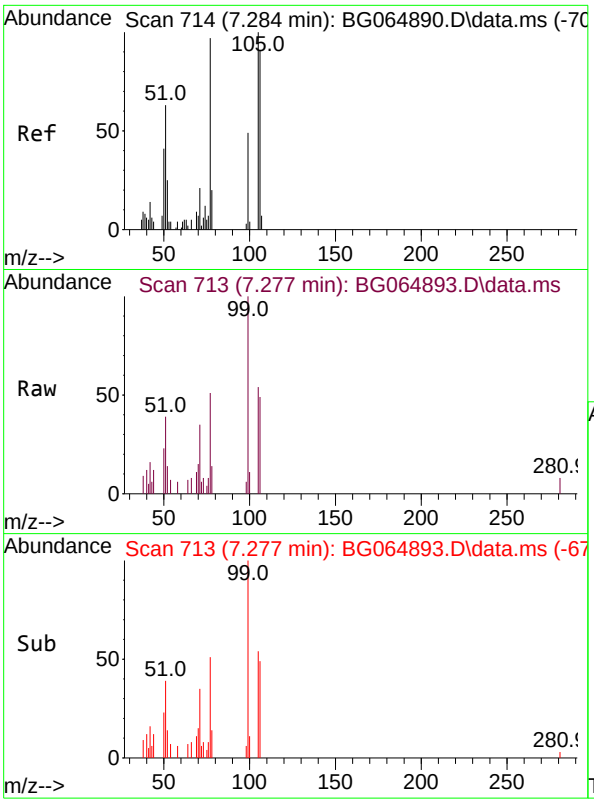
Tgt Ion: 79 Resp: 43384

Ion	Ratio	Lower	Upper
79	100		
52	115.9	88.0	132.0
51	54.8	38.2	57.4



Instrument :
BNA_G
ClientSampleId :
SLCS723

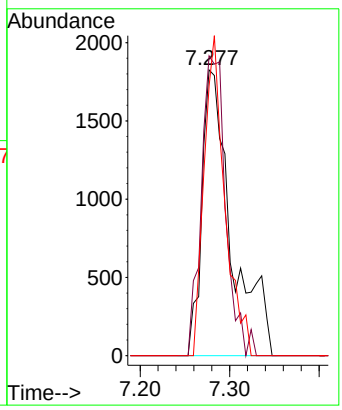
Manual Integrations APPROVED
mohammad
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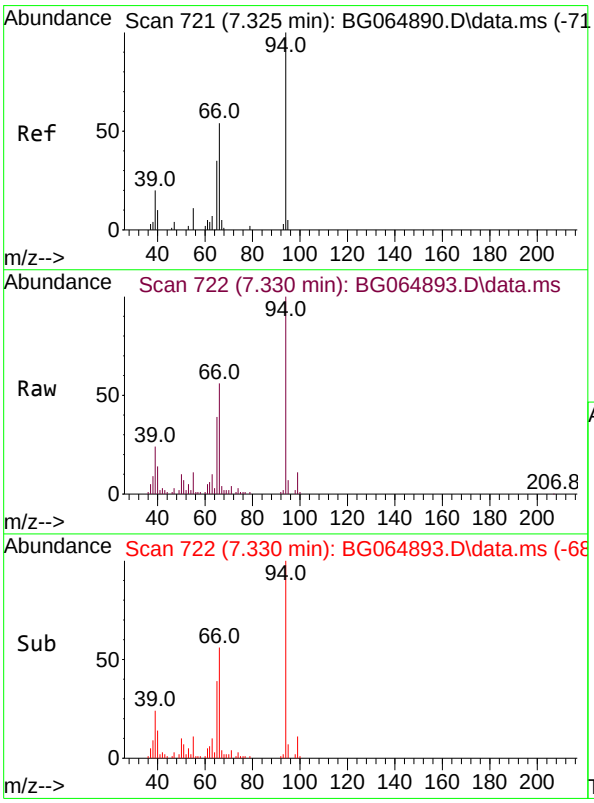


#6
Benzaldehyde
Concen: 4.645 ng/ul m
RT: 7.277 min Scan# 713
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion: 77 Resp: 4203

Ion	Ratio	Lower	Upper
77	100		
105	104.9	75.9	113.9
106	94.3	74.3	111.5

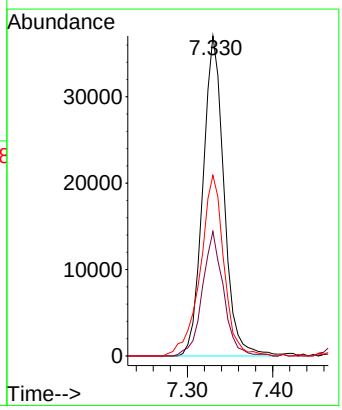




#8
Phenol
Concen: 33.078 ng/ul
RT: 7.330 min Scan# 722
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

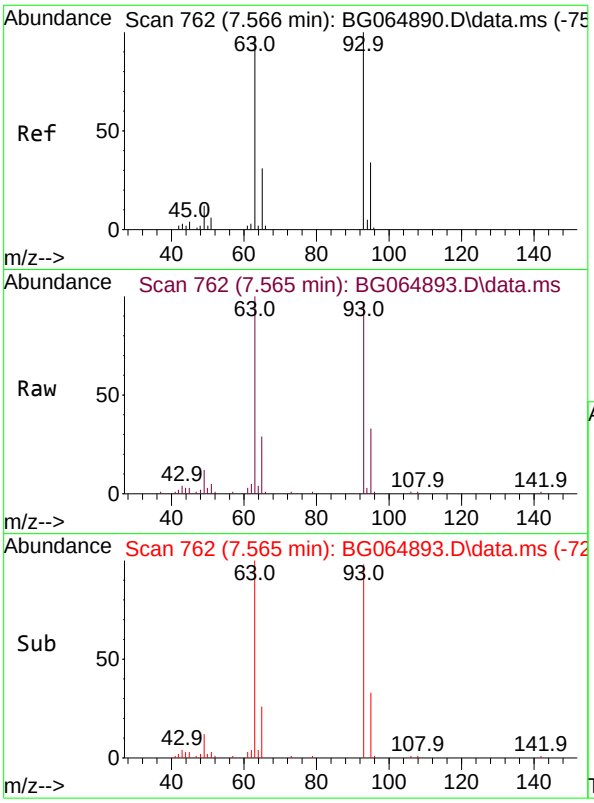
Tgt Ion: 94 Resp: 63608

Ion	Ratio	Lower	Upper
94	100		
65	38.9	27.5	41.3
66	56.4	38.5	57.7



Instrument :
BNA_G
ClientSampleId :
SLCS723

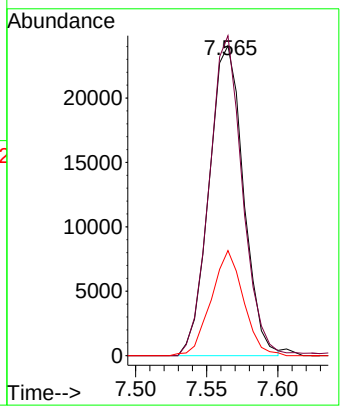
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#10
Bis(2-Chloroethyl)ether
Concen: 28.386 ng/ul
RT: 7.565 min Scan# 762
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

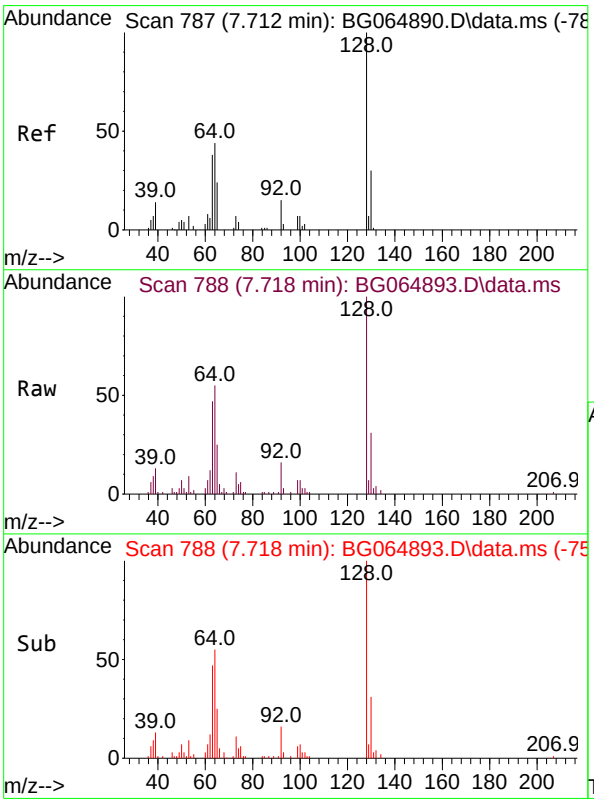
Tgt Ion: 93 Resp: 40367

Ion	Ratio	Lower	Upper
93	100		
63	103.3	81.4	122.2
95	33.9	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SLCS723

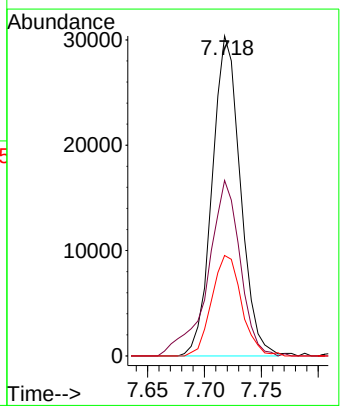
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

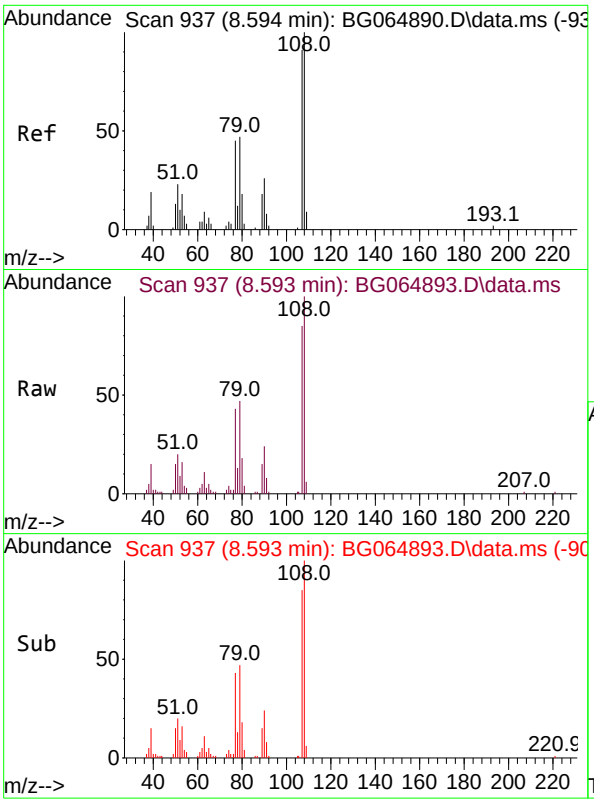


#12
2-Chlorophenol
Concen: 35.414 ng/ul
RT: 7.718 min Scan# 788
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:128 Resp: 52378

Ion	Ratio	Lower	Upper
128	100		
64	54.8	45.0	67.4
130	31.4	24.3	36.5

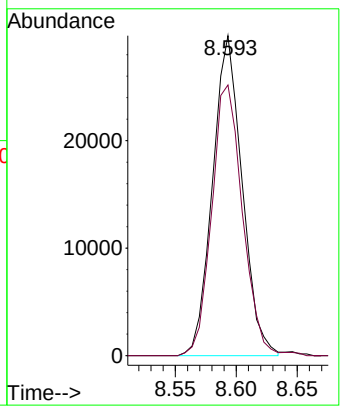




#13
2-Methylphenol
Concen: 32.916 ng/ul
RT: 8.593 min Scan# 937
Delta R.T. 0.003 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

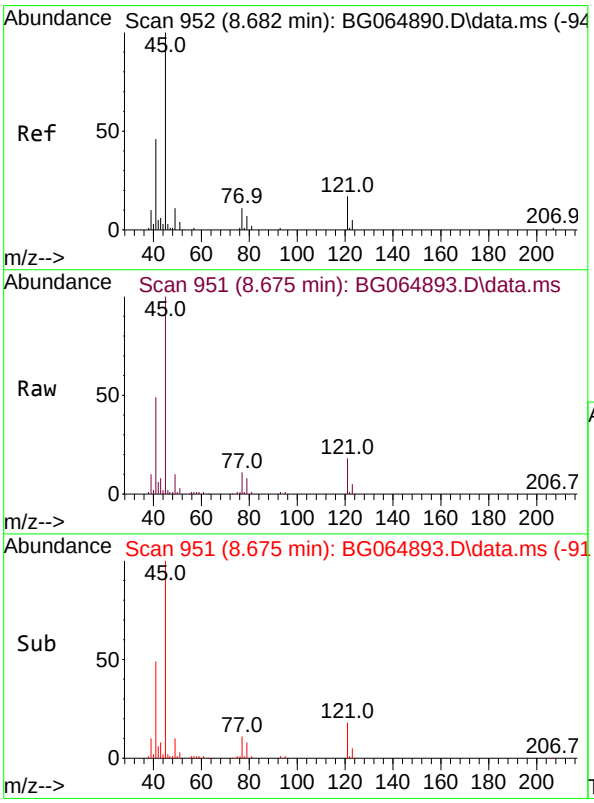
Tgt Ion:108 Resp: 50107

Ion	Ratio	Lower	Upper
108	100		
107	84.6	72.8	109.2



Instrument :
BNA_G
ClientSampleId :
SLCS723

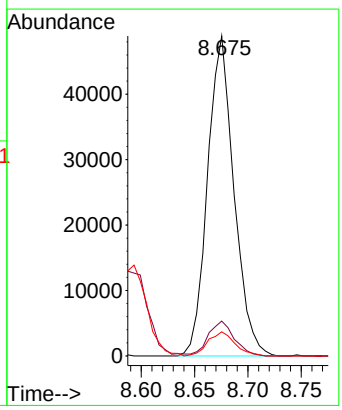
Manual Integrations APPROVED
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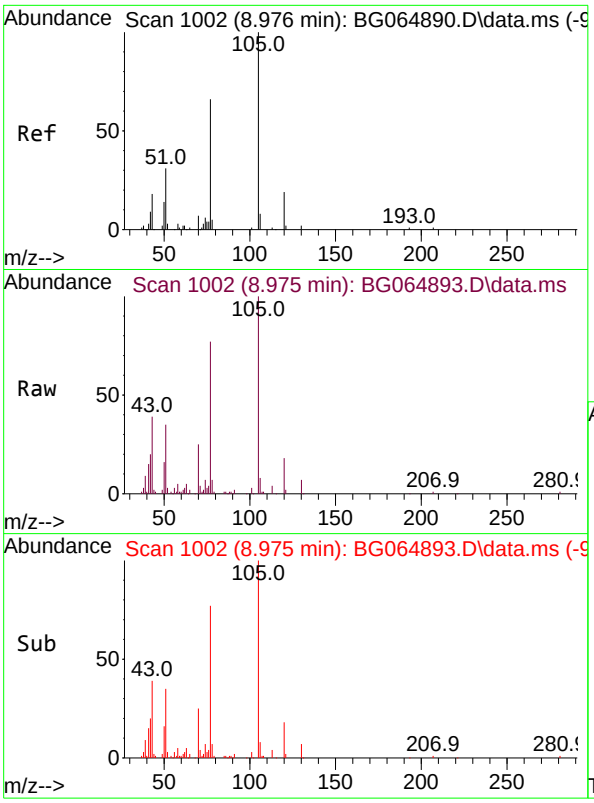


#14
2,2'-oxybis(1-Chloropropane)
Concen: 28.200 ng/ul
RT: 8.675 min Scan# 951
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion: 45 Resp: 84195

Ion	Ratio	Lower	Upper
45	100		
77	10.9	8.6	12.8
79	7.5	6.6	9.8

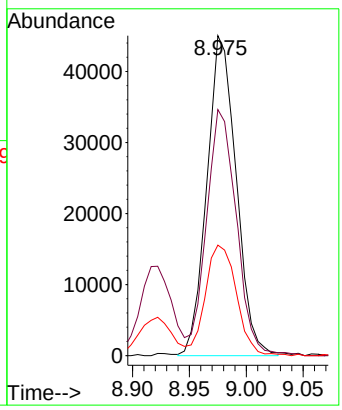




#16
Acetophenone
Concen: 30.949 ng/ul
RT: 8.975 min Scan# 1002
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

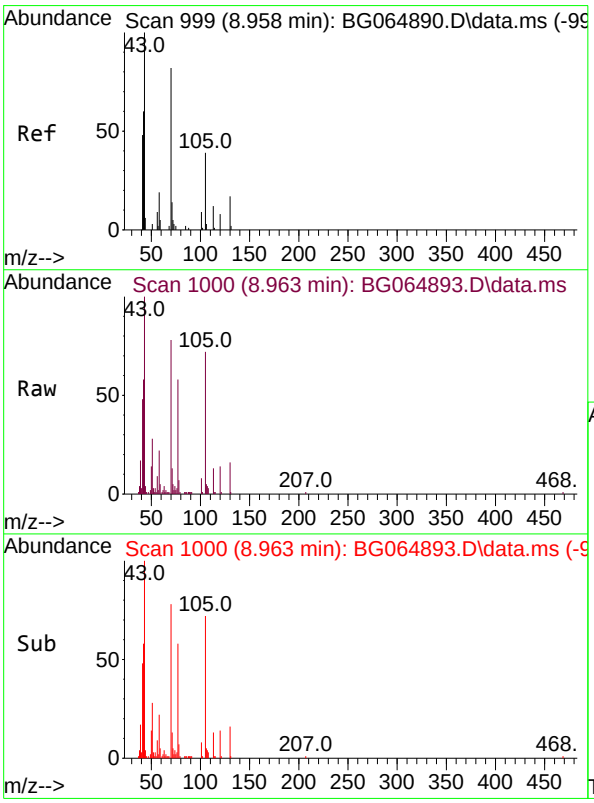
Tgt Ion:105 Resp: 80822

Ion	Ratio	Lower	Upper
105	100		
77	76.9	61.4	92.2
51	34.5	25.6	38.4



Instrument :
BNA_G
ClientSampleId :
SLCS723

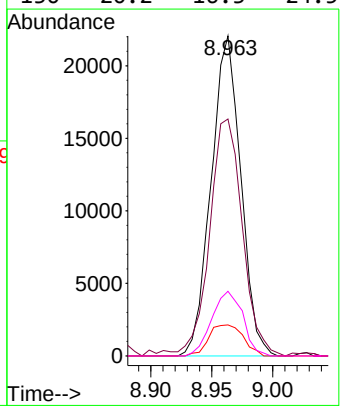
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

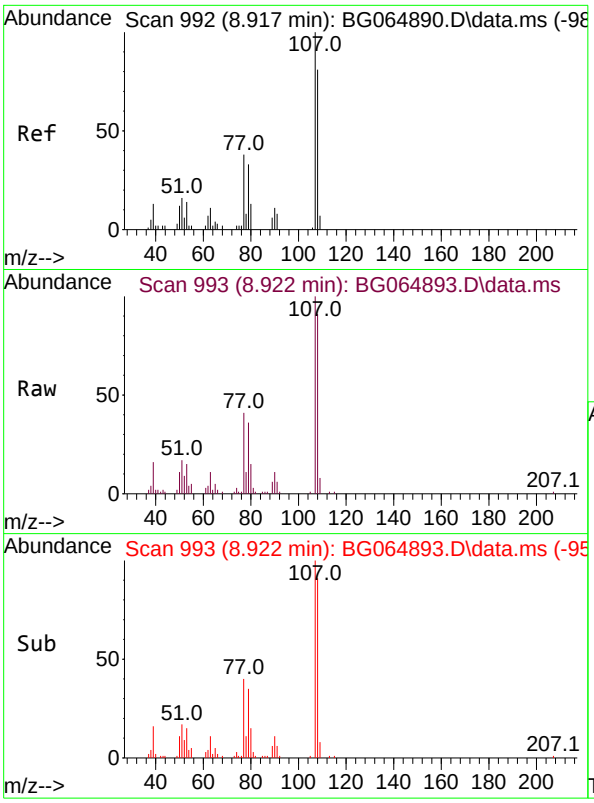


#17
N-Nitroso-di-n-propylamine
Concen: 29.857 ng/ul
RT: 8.963 min Scan# 1000
Delta R.T. 0.003 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion: 70 Resp: 37403

Ion	Ratio	Lower	Upper
70	100		
42	74.0	53.0	79.4
101	9.7	8.8	13.2
130	20.2	16.3	24.5

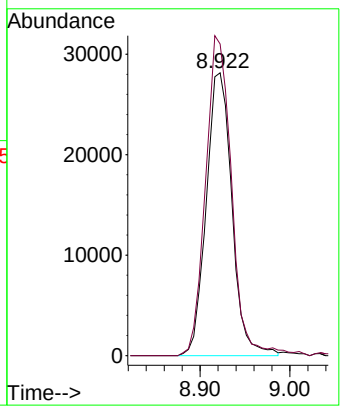




#18
4-Methylphenol
Concen: 33.607 ng/ul
RT: 8.922 min Scan# 993
Delta R.T. 0.009 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

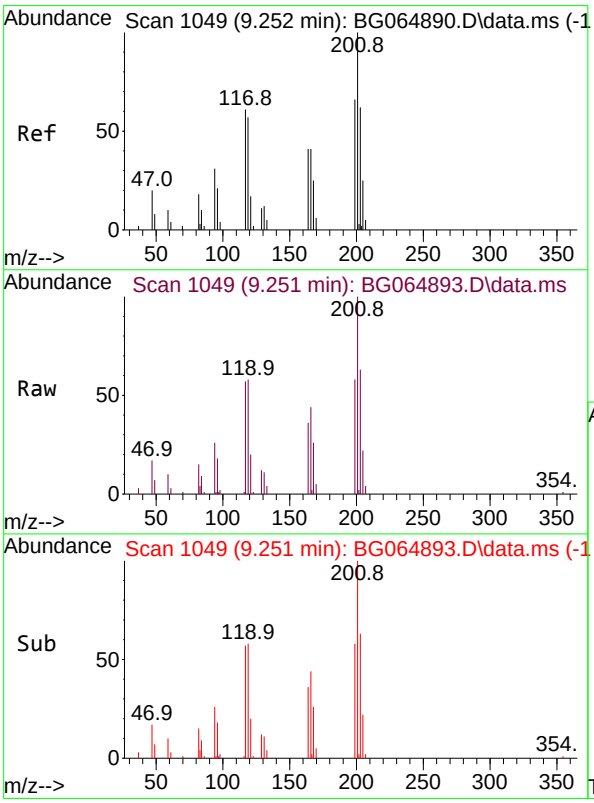
Tgt Ion:108 Resp: 56128

Ion	Ratio	Lower	Upper
108	100		
107	110.2	80.8	121.2



Instrument :
BNA_G
ClientSampleId :
SLCS723

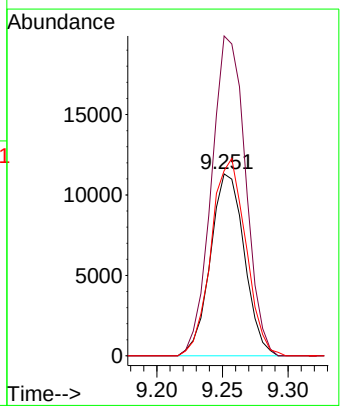
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

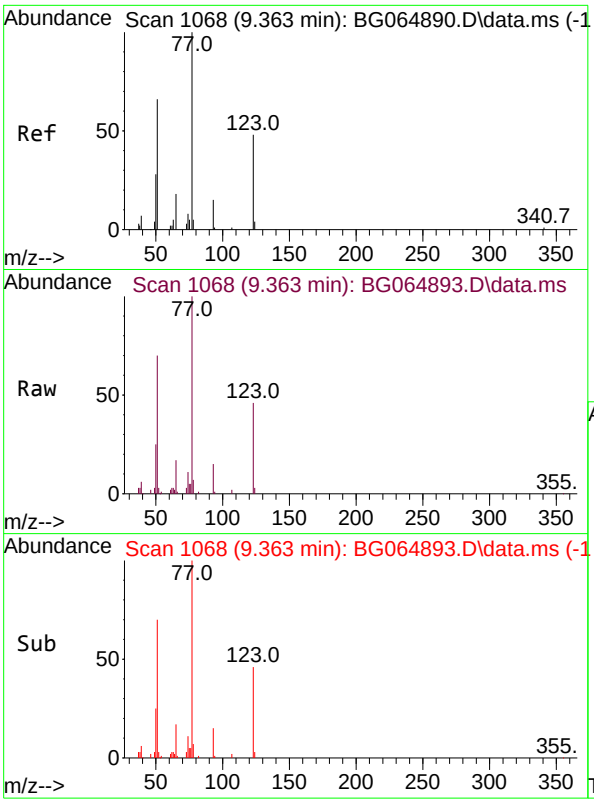


#19
Hexachloroethane
Concen: 30.835 ng/ul
RT: 9.251 min Scan# 1049
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:117 Resp: 20353

Ion	Ratio	Lower	Upper
117	100		
201	175.8	121.7	182.5
199	101.8	81.0	121.4

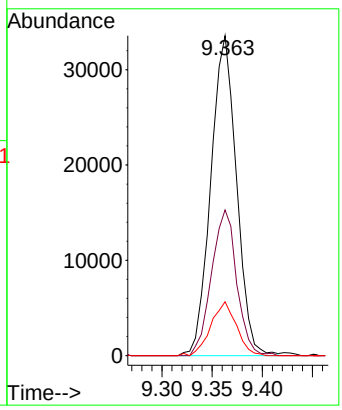




#22
Nitrobenzene
Concen: 34.541 ng/ul
RT: 9.363 min Scan# 1068
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

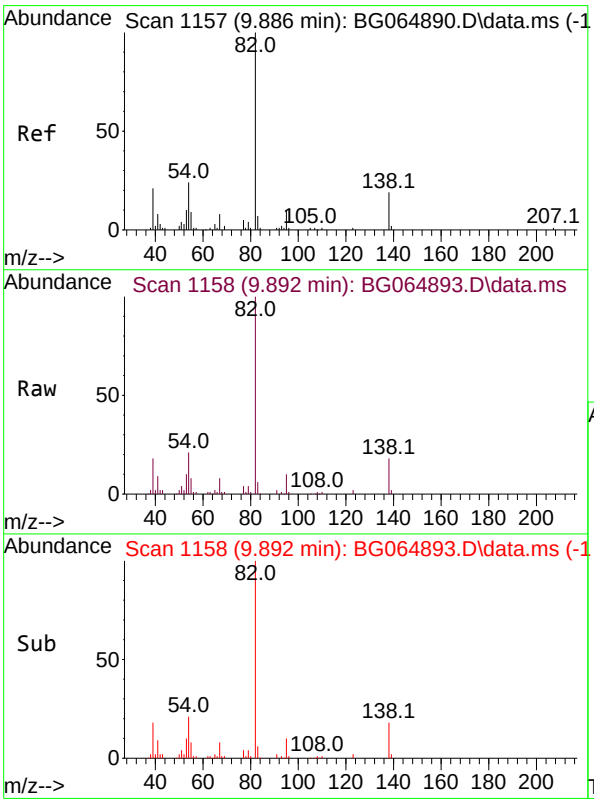
Tgt Ion: 77 Resp: 59796

Ion	Ratio	Lower	Upper
77	100		
123	45.5	35.4	53.0
65	16.8	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SLCS723

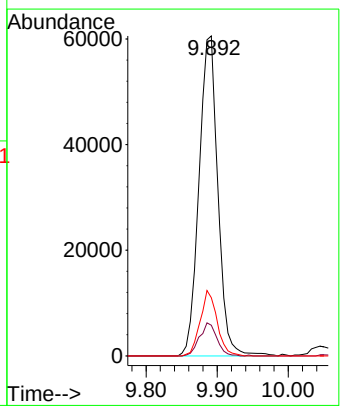
Manual Integrations APPROVED
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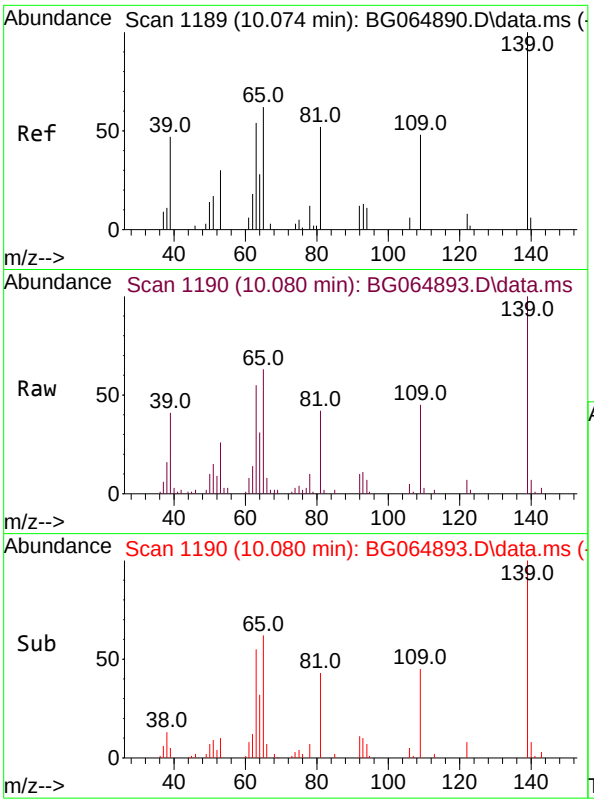


#23
Isophorone
Concen: 32.853 ng/ul
RT: 9.892 min Scan# 1158
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion: 82 Resp: 111416

Ion	Ratio	Lower	Upper
82	100		
95	9.6	6.2	9.2#
138	18.2	12.7	19.1

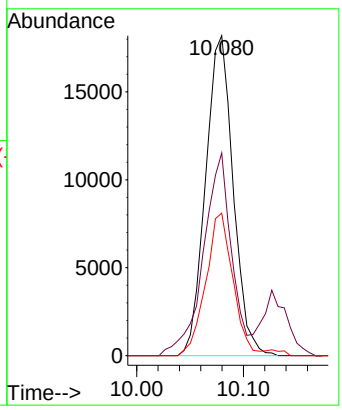




#25
2-Nitrophenol
Concen: 38.924 ng/ul
RT: 10.080 min Scan# 1190
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

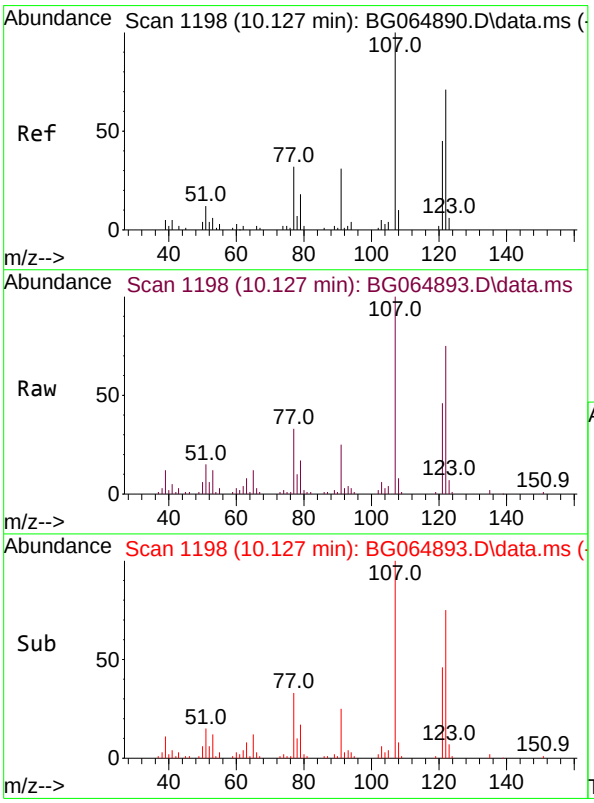
Tgt Ion:139 Resp: 32759

Ion	Ratio	Lower	Upper
139	100		
65	63.3	46.5	69.7
109	44.5	27.0	40.4#



Instrument :
BNA_G
ClientSampleId :
SLCS723

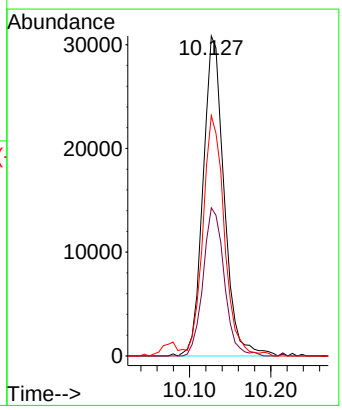
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

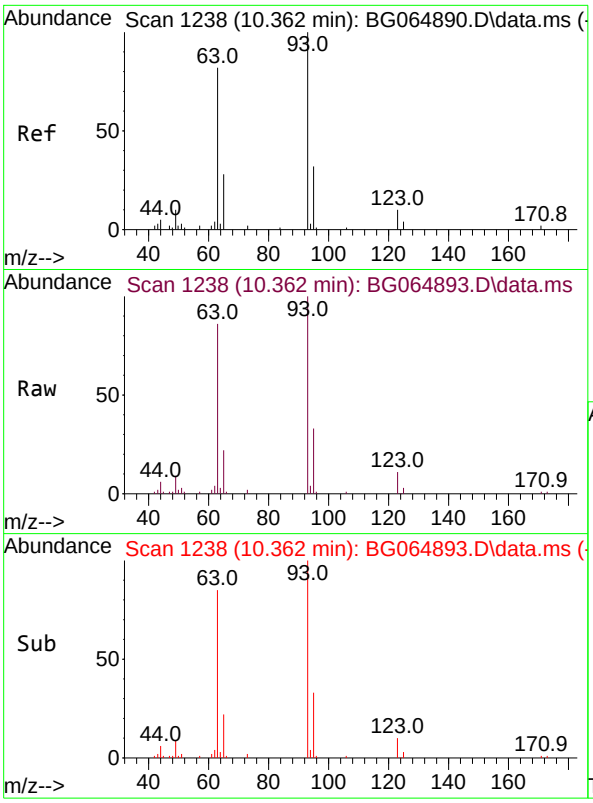


#26
2,4-Dimethylphenol
Concen: 30.619 ng/ul
RT: 10.127 min Scan# 1198
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:107 Resp: 55507

Ion	Ratio	Lower	Upper
107	100		
121	46.3	37.9	56.9
122	75.1	63.1	94.7

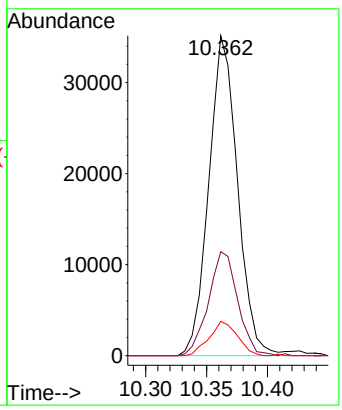


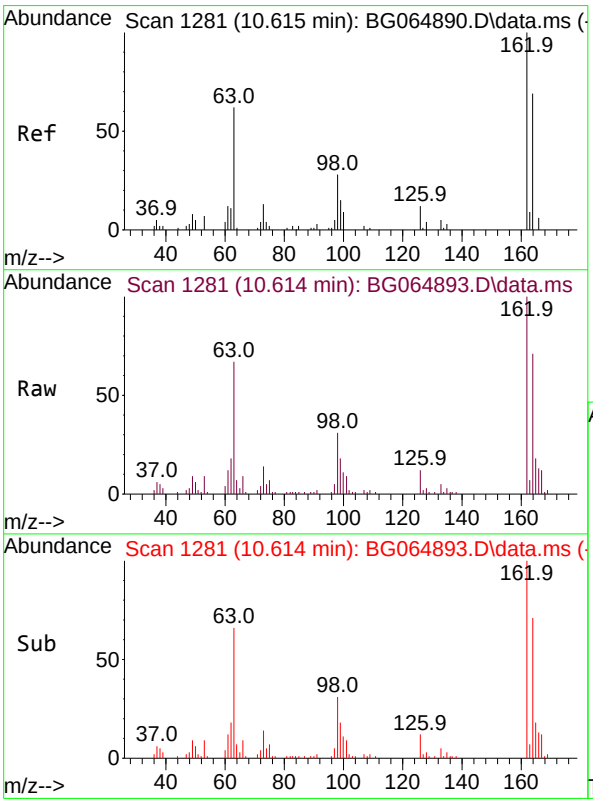


#27
Bis(2-Chloroethoxy)methane
Concen: 30.192 ng/ul
RT: 10.362 min Scan# 1238
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion: 93 Resp: 57423

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.1	37.7
123	10.7	7.0	10.4#

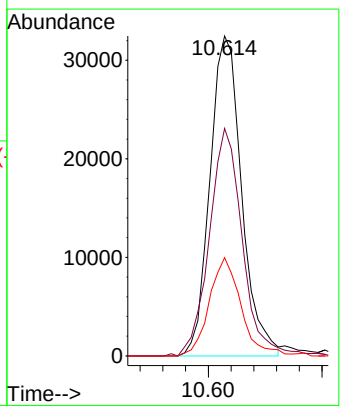




#29
2,4-Dichlorophenol
Concen: 40.794 ng/ul
RT: 10.614 min Scan# 1281
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

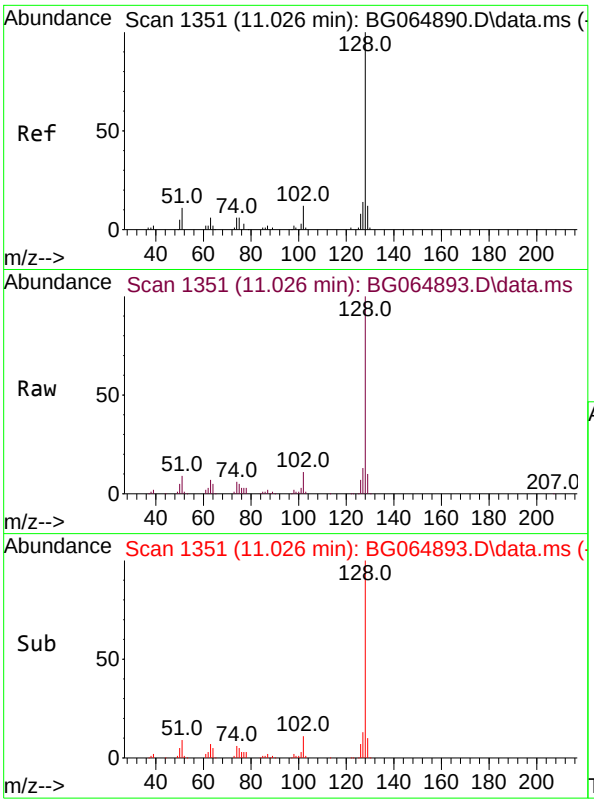
Tgt Ion:162 Resp: 62798

Ion	Ratio	Lower	Upper
162	100		
164	71.1	53.8	80.8
98	30.7	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SLCS723

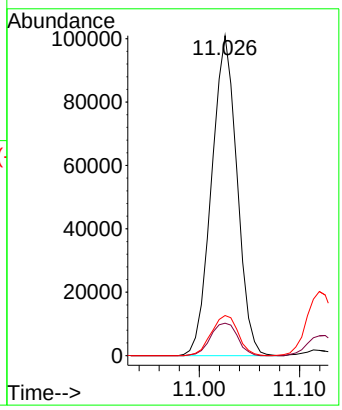
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#30
Naphthalene
Concen: 34.624 ng/ul
RT: 11.026 min Scan# 1351
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

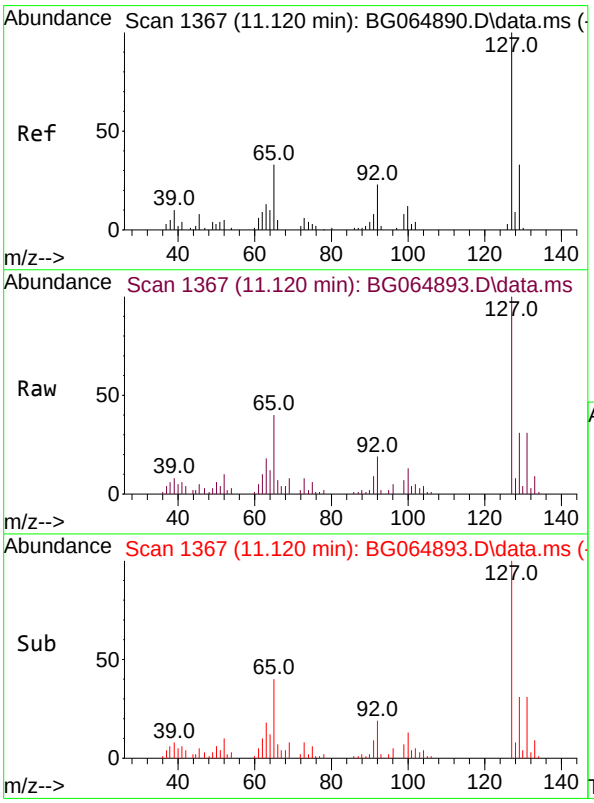
Tgt Ion:128 Resp: 177808

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.7	13.1
127	12.5	10.0	15.0



Instrument :
BNA_G
ClientSampleId :
SLCS723

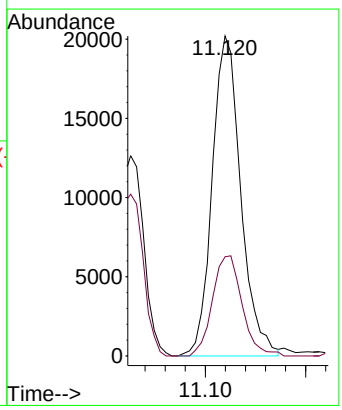
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

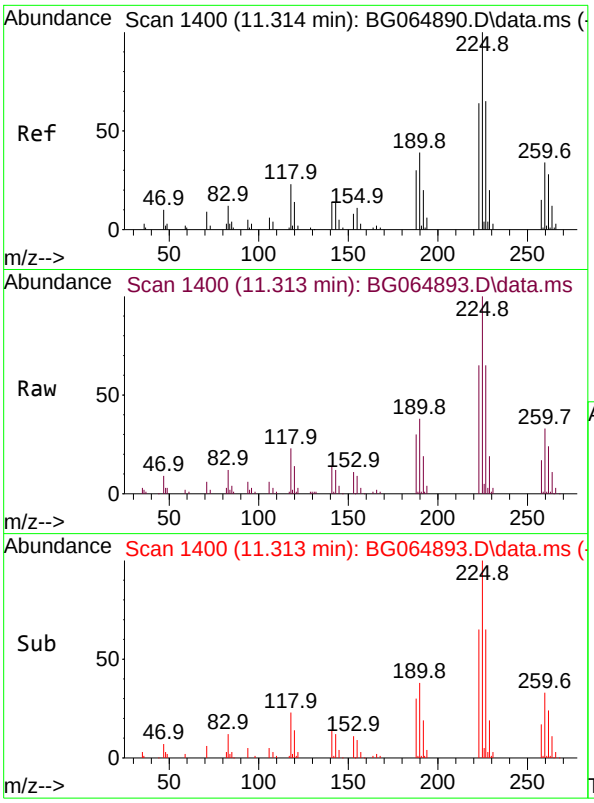


#32
4-Chloroaniline
Concen: 18.640 ng/ul
RT: 11.120 min Scan# 1367
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:127 Resp: 40025

Ion	Ratio	Lower	Upper
127	100		
129	31.0	27.0	40.6

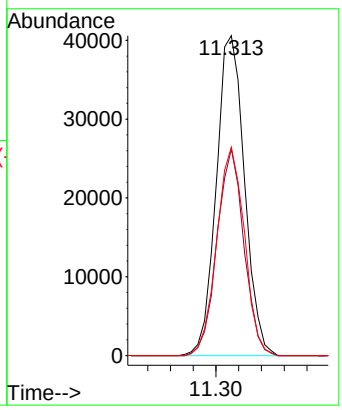


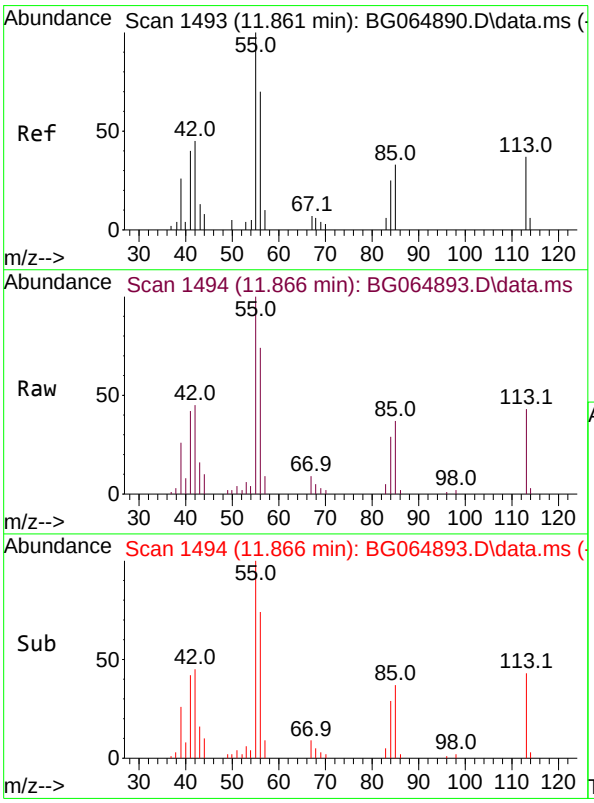


#33
Hexachlorobutadiene
Concen: 43.284 ng/ul
RT: 11.313 min Scan# 1400
Delta R.T. -0.003 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:225 Resp: 69891

Ion	Ratio	Lower	Upper
225	100		
223	64.6	47.0	70.4
227	65.1	49.8	74.8

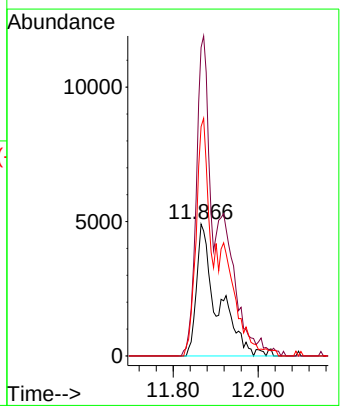




#34
Caprolactam
Concen: 31.502 ng/ul m
RT: 11.866 min Scan# 1494
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

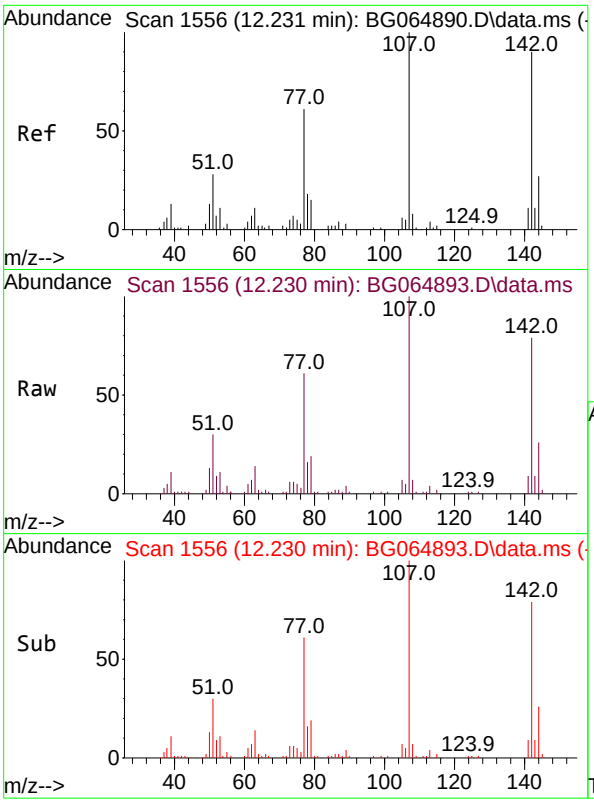
Tgt Ion:113 Resp: 16945

Ion	Ratio	Lower	Upper
113	100		
55	234.1	187.9	281.9
56	173.9	127.5	191.3



Instrument :
BNA_G
ClientSampleId :
SLCS723

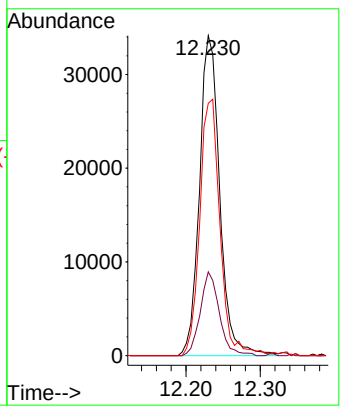
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#35
4-Chloro-3-methylphenol
Concen: 38.724 ng/ul
RT: 12.230 min Scan# 1556
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

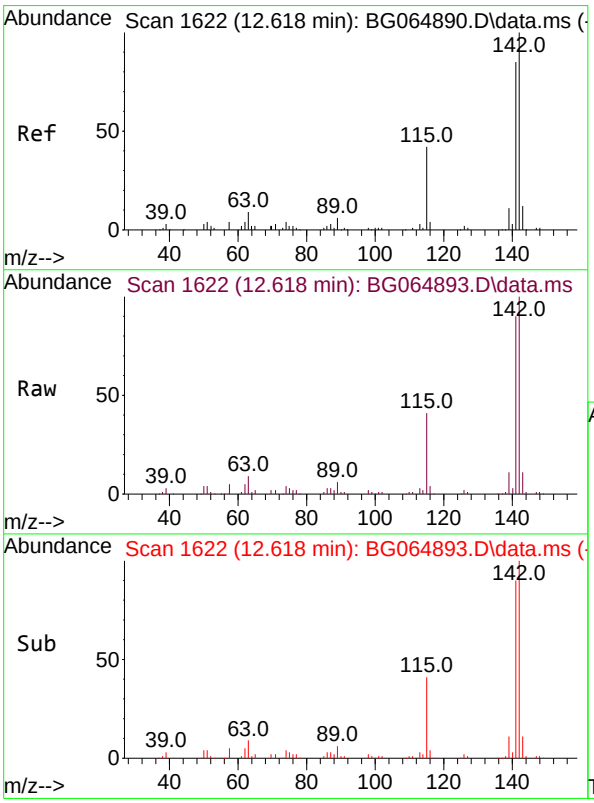
Tgt Ion:107 Resp: 64916

Ion	Ratio	Lower	Upper
107	100		
144	26.2	18.6	27.8
142	78.8	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
SLCS723

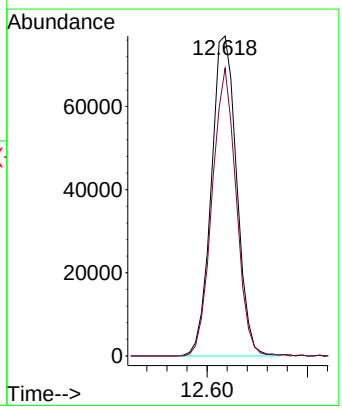
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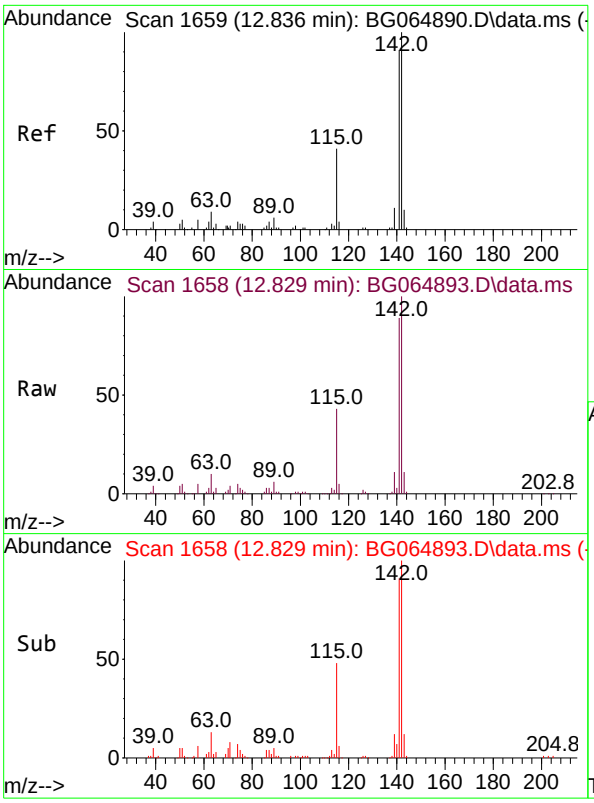


#36
2-Methylnaphthalene
Concen: 35.057 ng/ul
RT: 12.618 min Scan# 1622
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:142 Resp: 134915

Ion	Ratio	Lower	Upper
142	100		
141	89.9	69.7	104.5

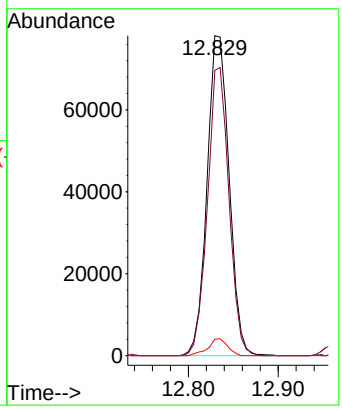




#37
1-Methylnaphthalene
Concen: 35.388 ng/ul
RT: 12.829 min Scan# 1658
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

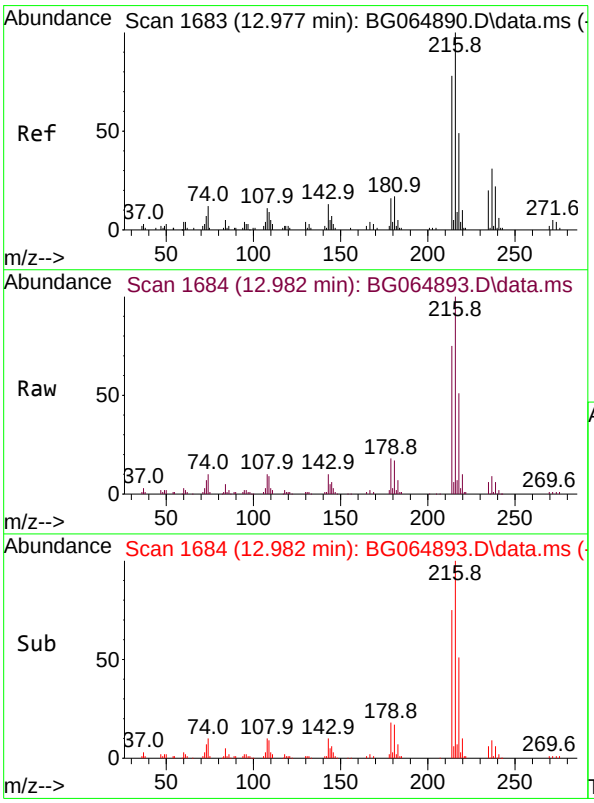
Tgt Ion:142 Resp: 133301

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
116	5.1	3.2	4.8#



Instrument :
BNA_G
ClientSampleId :
SLCS723

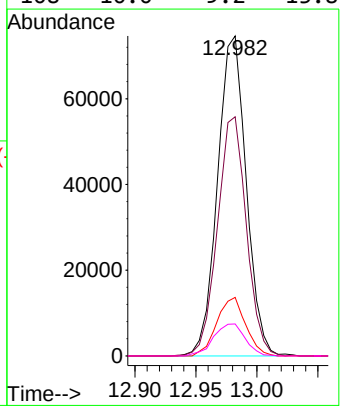
Manual Integrations APPROVED
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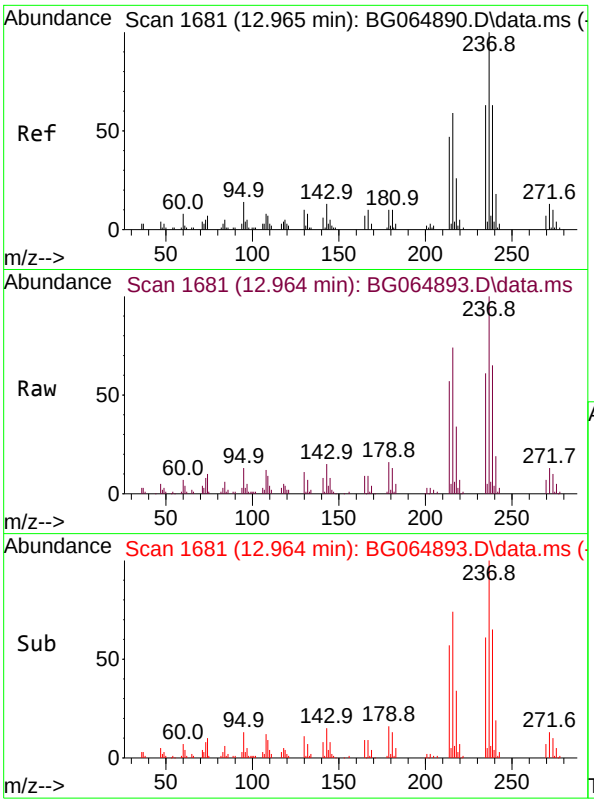


#39
1,2,4,5-Tetrachlorobenzene
Concen: 41.761 ng/ul
RT: 12.982 min Scan# 1684
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:216 Resp: 122274

Ion	Ratio	Lower	Upper
216	100		
214	74.7	63.5	95.3
179	18.3	14.7	22.1
108	10.0	9.2	13.8

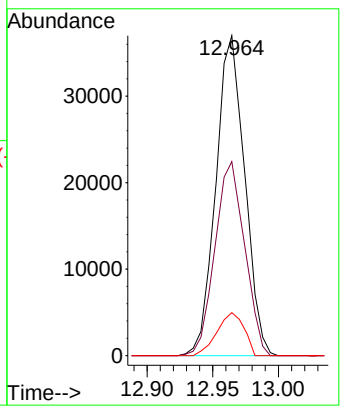




#40
Hexachlorocyclopentadiene
Concen: 27.932 ng/ul
RT: 12.964 min Scan# 1681
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

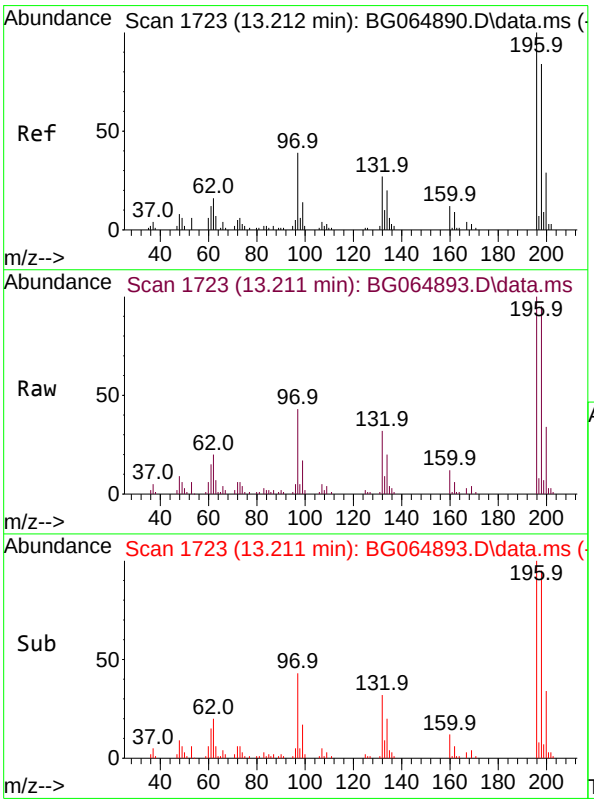
Tgt Ion:237 Resp: 56658

Ion	Ratio	Lower	Upper
237	100		
235	61.5	45.7	68.5
272	12.7	10.7	16.1



Instrument :
BNA_G
ClientSampleId :
SLCS723

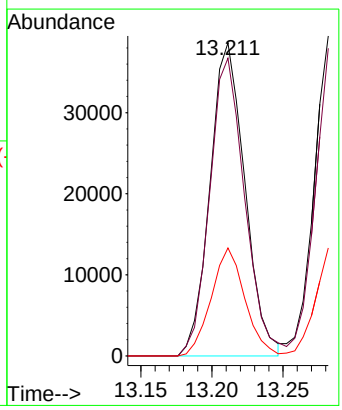
Manual Integrations APPROVED
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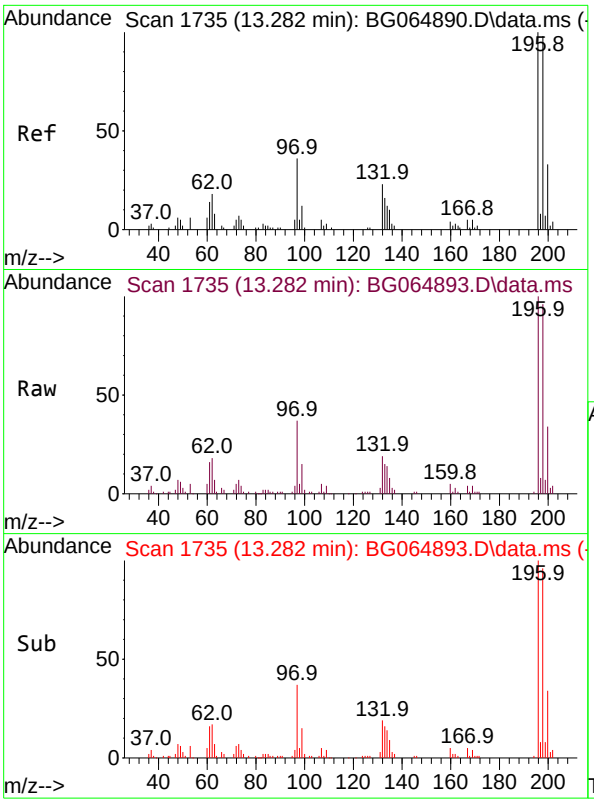


#41
2,4,6-Trichlorophenol
Concen: 40.704 ng/ul
RT: 13.211 min Scan# 1723
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:196 Resp: 65881

Ion	Ratio	Lower	Upper
196	100		
198	95.1	79.5	119.3
200	34.5	28.1	42.1

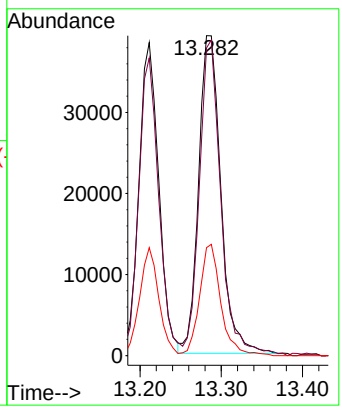




#42
2,4,5-Trichlorophenol
Concen: 43.699 ng/ul
RT: 13.282 min Scan# 1735
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

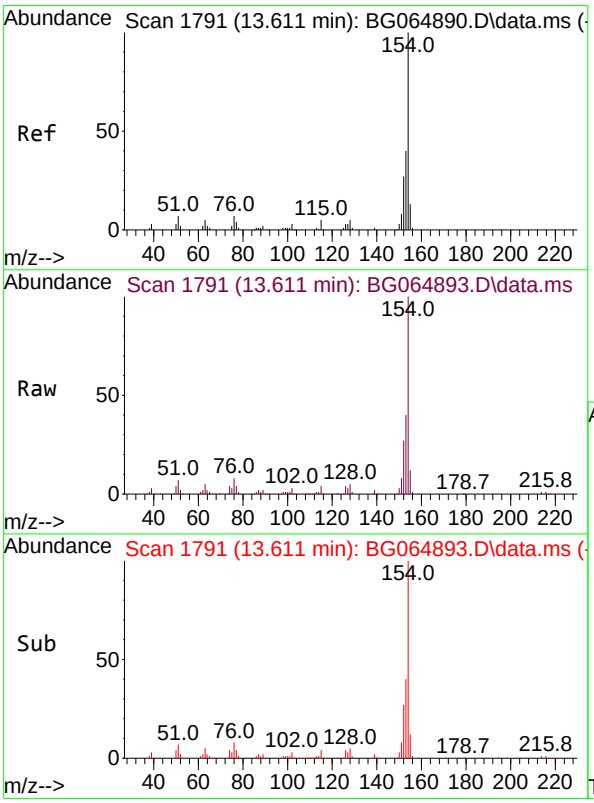
Tgt Ion:196 Resp: 74526

Ion	Ratio	Lower	Upper
196	100		
198	96.1	72.1	108.1
200	33.7	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SLCS723

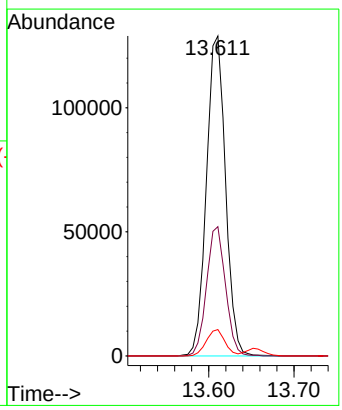
Manual Integrations APPROVED
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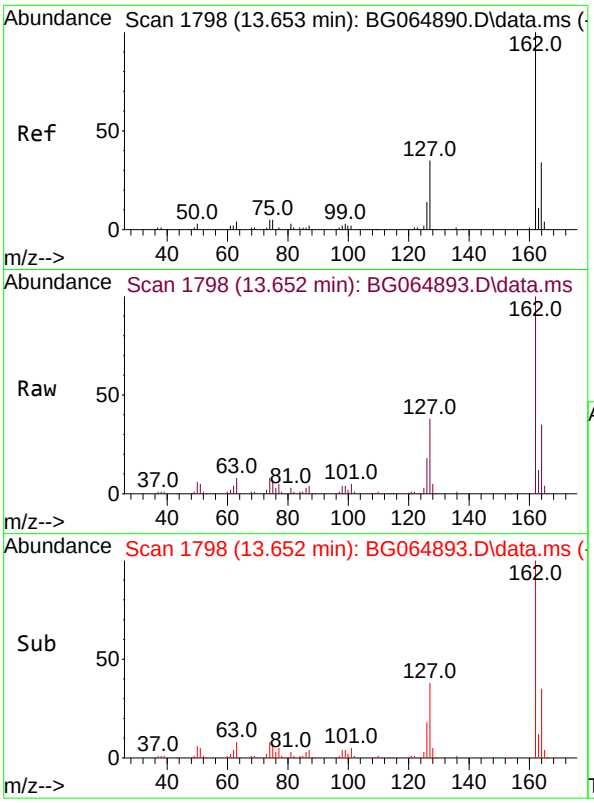


#43
1,1'-Biphenyl
Concen: 37.339 ng/ul
RT: 13.611 min Scan# 1791
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:154 Resp: 200333

Ion	Ratio	Lower	Upper
154	100		
153	40.4	33.0	49.4
76	8.2	8.7	13.1#

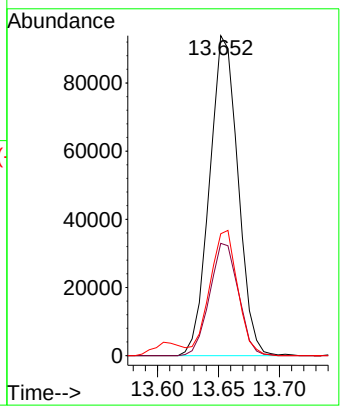




#44
2-Chloronaphthalene
Concen: 36.215 ng/ul
RT: 13.652 min Scan# 1798
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

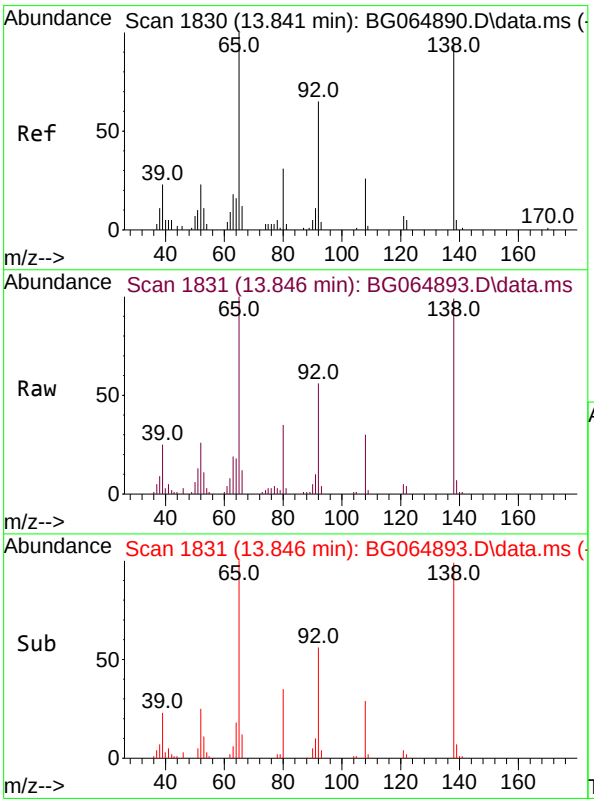
Tgt Ion:162 Resp: 152535

Ion	Ratio	Lower	Upper
162	100		
164	35.1	26.9	40.3
127	38.1	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SLCS723

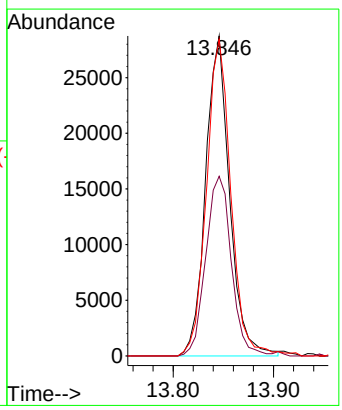
Manual Integrations APPROVED
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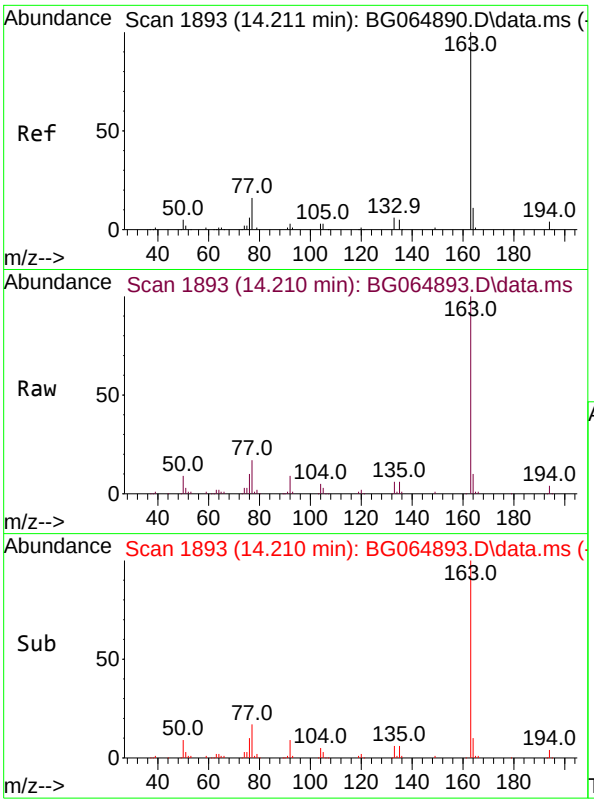


#45
2-Nitroaniline
Concen: 38.099 ng/ul
RT: 13.846 min Scan# 1831
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion: 65 Resp: 47704

Ion	Ratio	Lower	Upper
65	100		
92	56.1	45.2	67.8
138	99.0	78.6	117.8

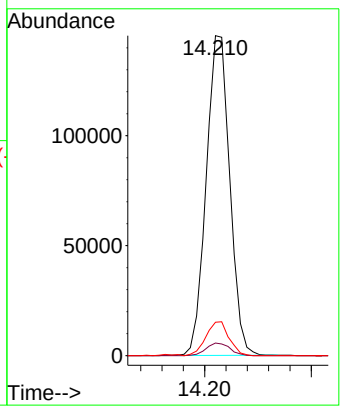


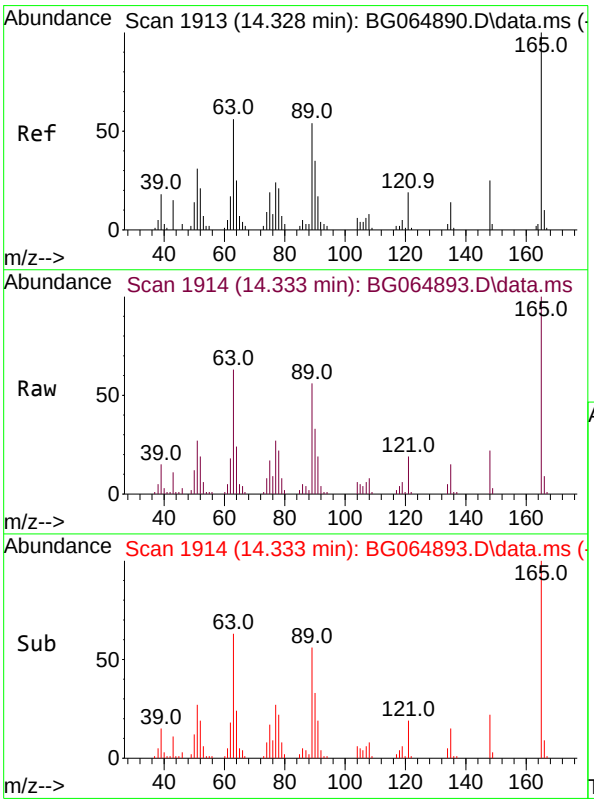


#47
Dimethylphthalate
Concen: 36.466 ng/ul
RT: 14.210 min Scan# 1893
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:163 Resp: 223080

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.4	7.9	11.9

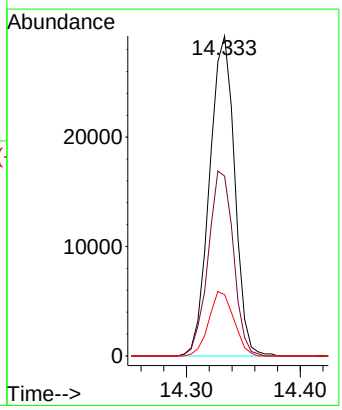




#48
2,6-Dinitrotoluene
Concen: 39.912 ng/ul
RT: 14.333 min Scan# 1914
Delta R.T. 0.009 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

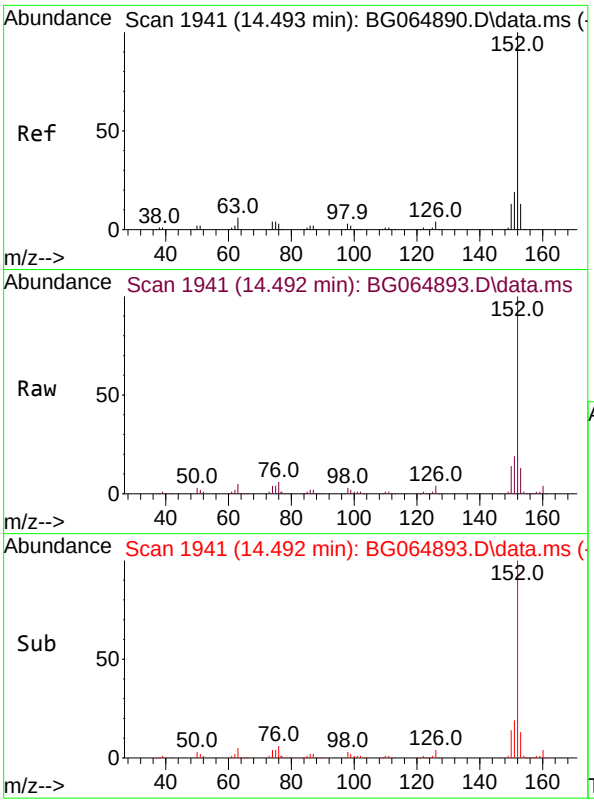
Tgt Ion:165 Resp: 44802

Ion	Ratio	Lower	Upper
165	100		
89	56.2	39.9	59.9
121	19.1	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SLCS723

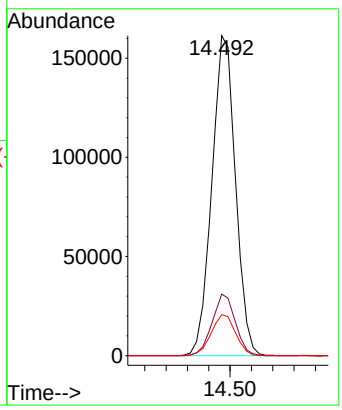
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#50
Acenaphthylene
Concen: 33.804 ng/ul
RT: 14.492 min Scan# 1941
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

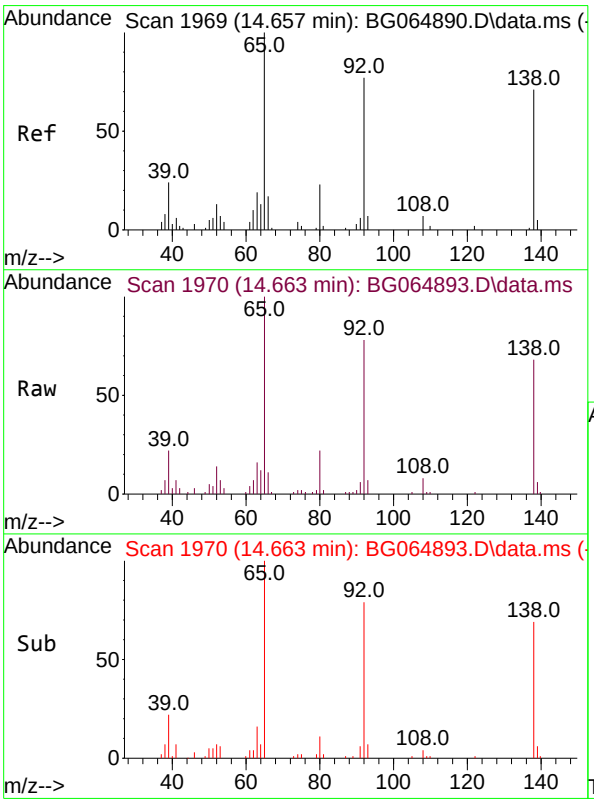
Tgt Ion:152 Resp: 248285

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.1	22.7
153	12.8	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SLCS723

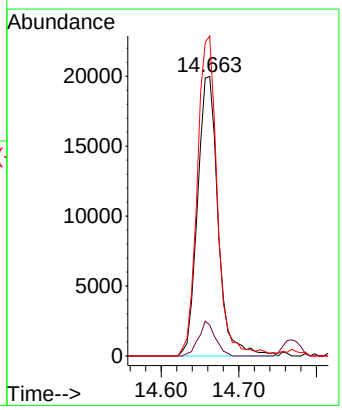
Manual Integrations APPROVED
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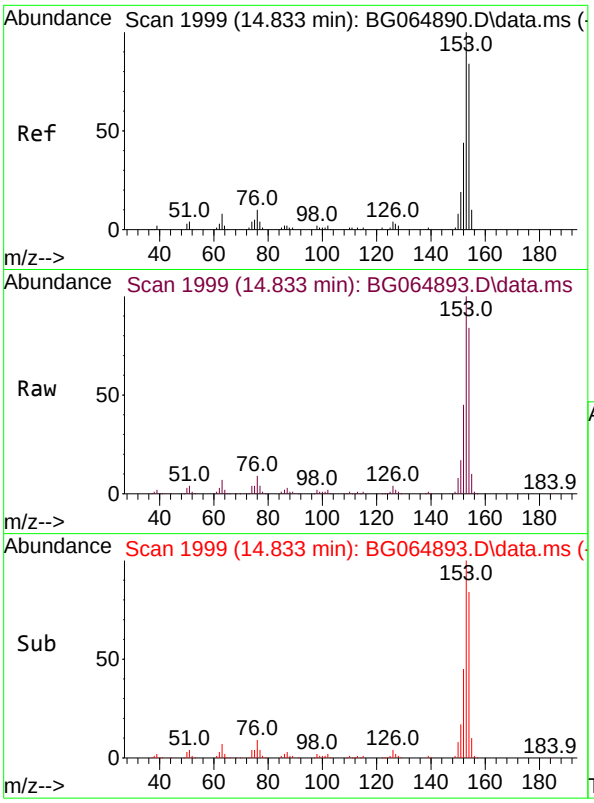


#51
3-Nitroaniline
Concen: 37.701 ng/ul
RT: 14.663 min Scan# 1970
Delta R.T. 0.010 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:138 Resp: 36705

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.8	14.8
92	114.5	91.4	137.2

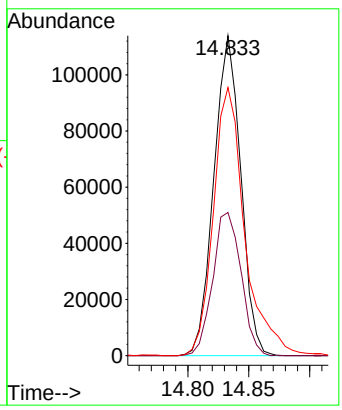


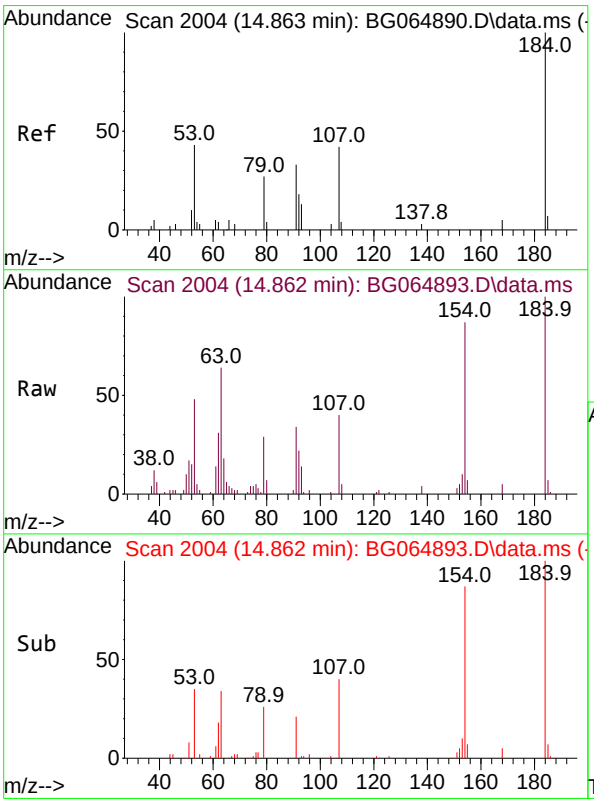


#52
Acenaphthene
Concen: 36.326 ng/ul
RT: 14.833 min Scan# 1999
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:153 Resp: 174952

Ion	Ratio	Lower	Upper
153	100		
152	44.7	37.8	56.8
154	83.8	68.2	102.2

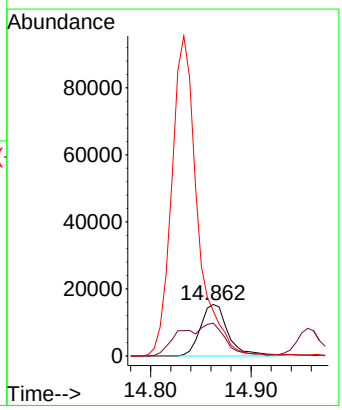




#53
2,4-Dinitrophenol
Concen: 43.943 ng/ul
RT: 14.862 min Scan# 2004
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

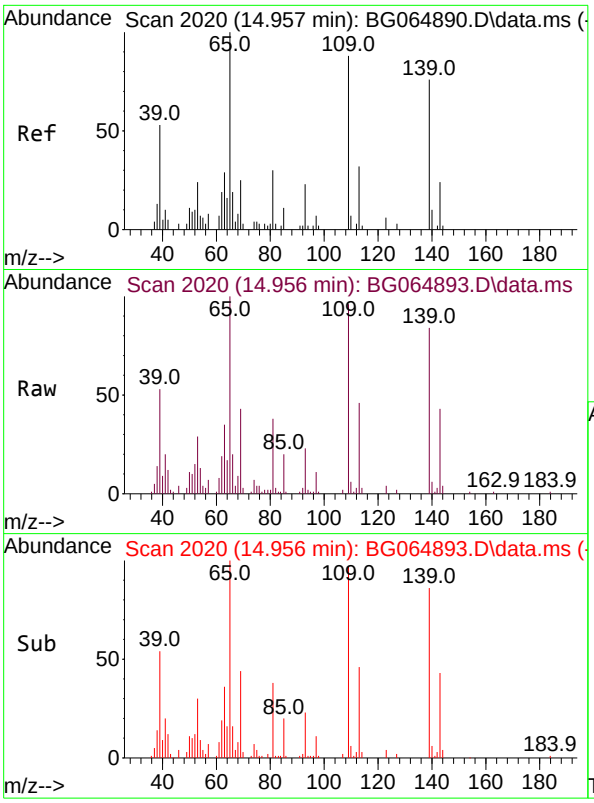
Tgt Ion:184 Resp: 29008

Ion	Ratio	Lower	Upper
184	100		
63	63.5	41.1	61.7#
154	87.3	55.4	83.0#



Instrument :
BNA_G
ClientSampleId :
SLCS723

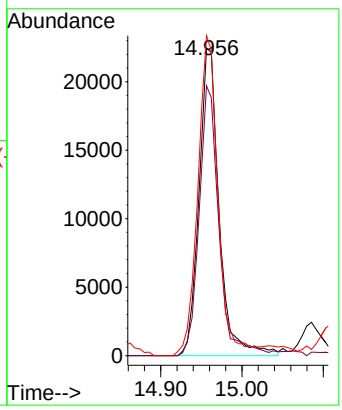
Manual Integrations APPROVED
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#55
4-Nitrophenol
Concen: 46.095 ng/ul
RT: 14.956 min Scan# 2020
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

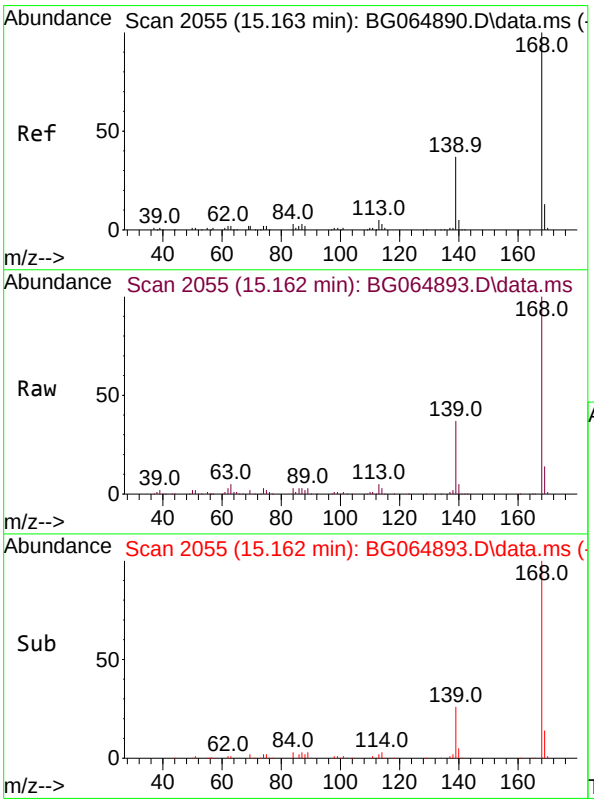
Tgt Ion:109 Resp: 38725

Ion	Ratio	Lower	Upper
109	100		
139	87.9	88.6	132.8#
65	104.2	94.2	141.4



Instrument :
BNA_G
ClientSampleId :
SLCS723

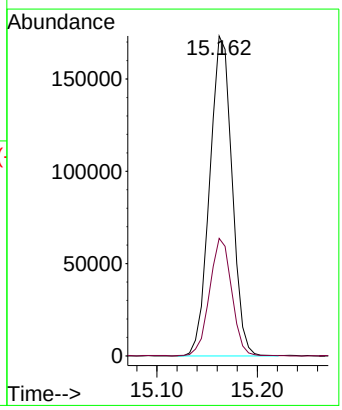
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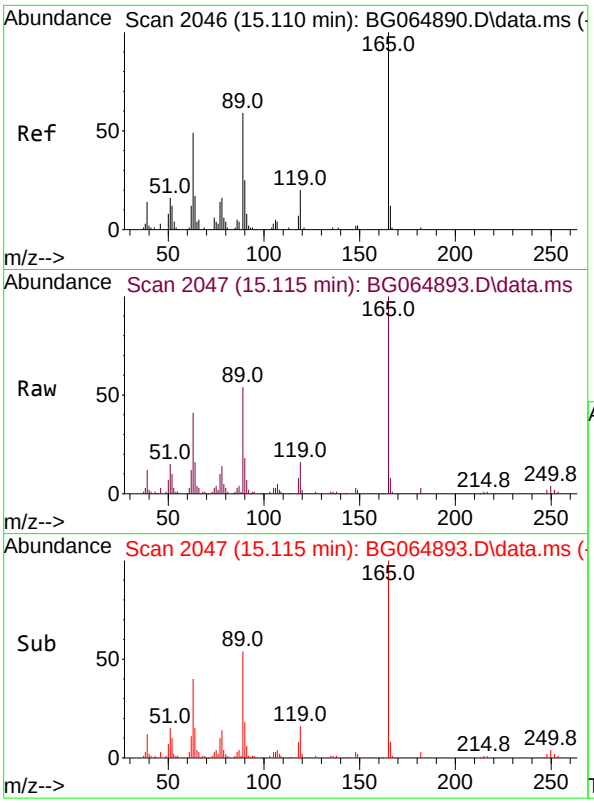


#56
Dibenzofuran
Concen: 36.487 ng/ul
RT: 15.162 min Scan# 2055
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:168 Resp: 268226

Ion	Ratio	Lower	Upper
168	100		
139	36.7	28.2	42.4

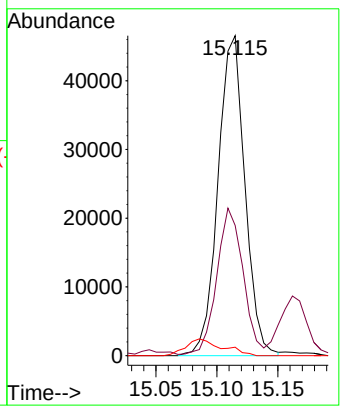




#57
2,4-Dinitrotoluene
Concen: 41.872 ng/ul
RT: 15.115 min Scan# 2047
Delta R.T. 0.010 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

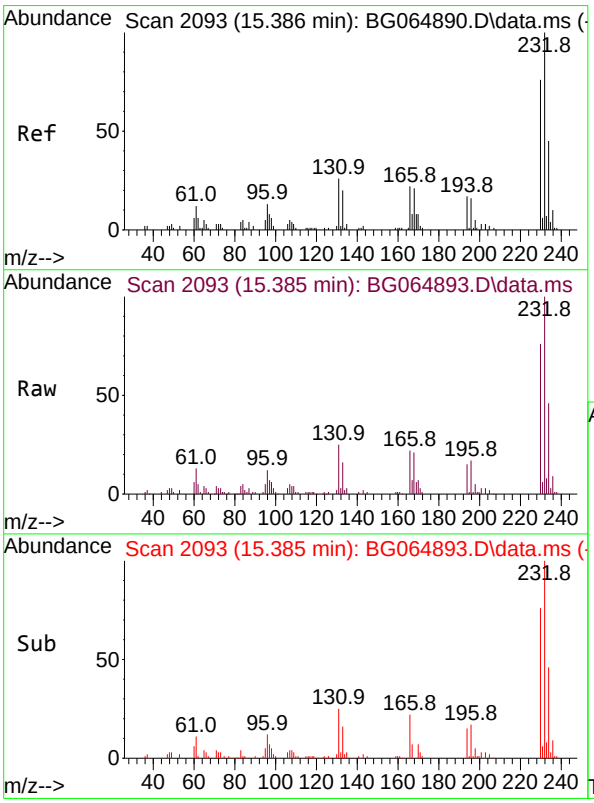
Tgt Ion:165 Resp: 71509

Ion	Ratio	Lower	Upper
165	100		
63	40.7	35.5	53.3
182	2.6	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SLCS723

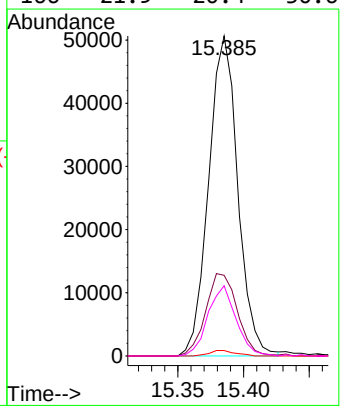
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

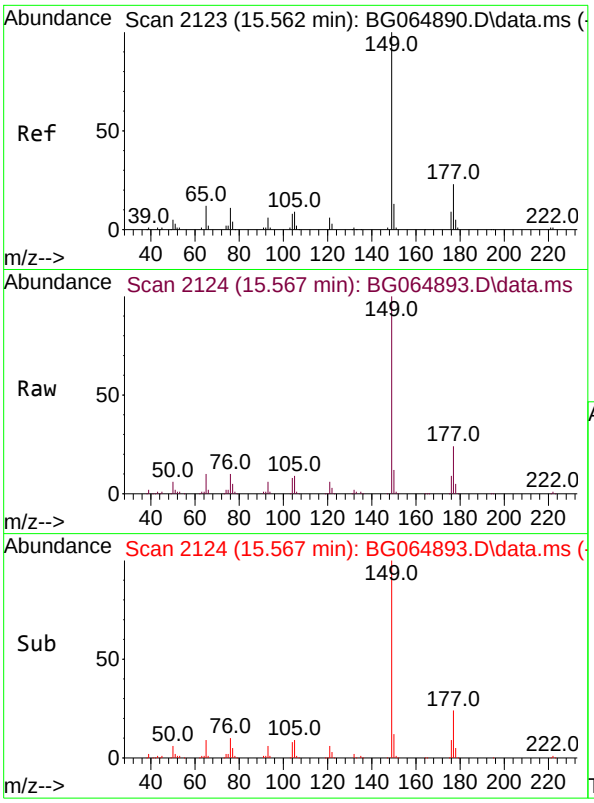


#58
2,3,4,6-Tetrachlorophenol
Concen: 40.493 ng/ul
RT: 15.385 min Scan# 2093
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:232 Resp: 78200

Ion	Ratio	Lower	Upper
232	100		
131	25.2	24.9	37.3
130	1.7	1.4	2.0
166	21.9	20.4	30.6

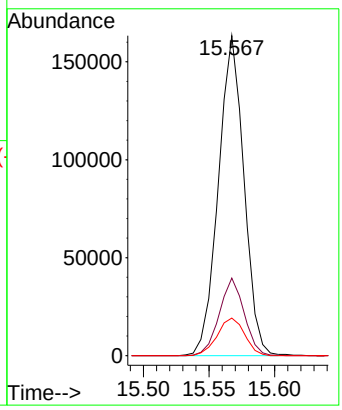


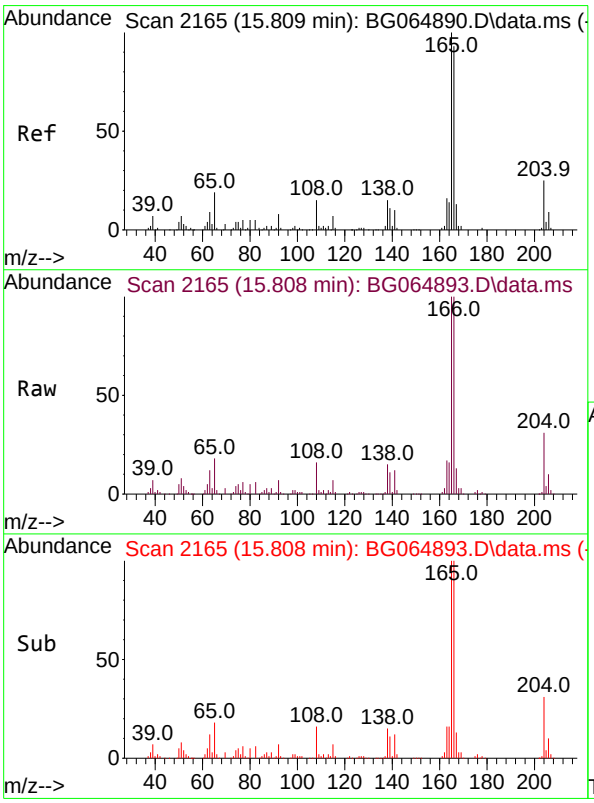


#59
Diethylphthalate
Concen: 36.812 ng/ul
RT: 15.567 min Scan# 2124
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:149 Resp: 221170

Ion	Ratio	Lower	Upper
149	100		
177	24.2	18.7	28.1
150	11.8	9.9	14.9

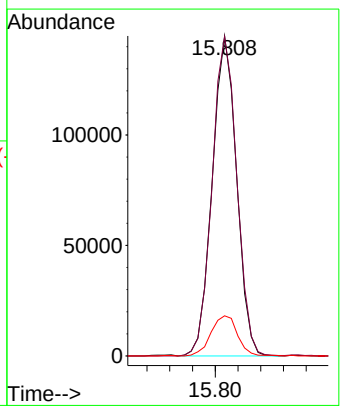




#61
Fluorene
Concen: 37.350 ng/ul
RT: 15.808 min Scan# 2165
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

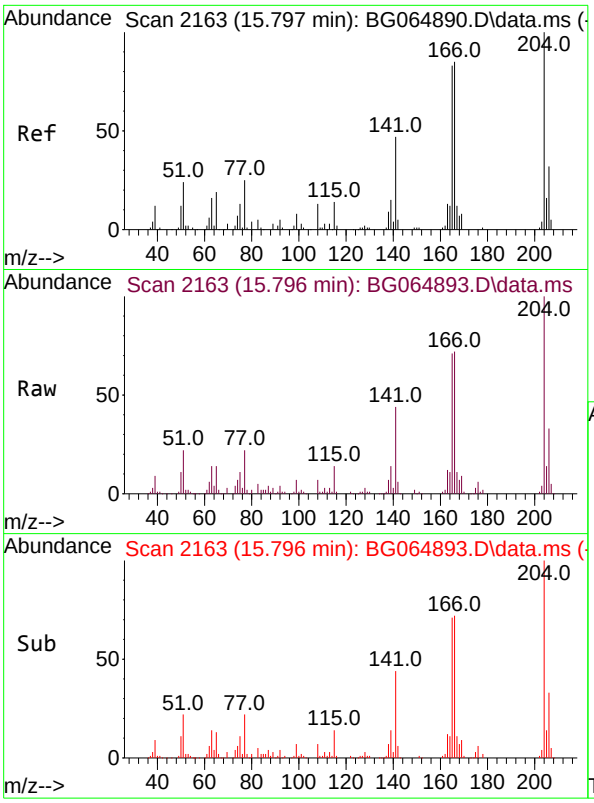
Tgt Ion:166 Resp: 215371

Ion	Ratio	Lower	Upper
166	100		
165	99.8	83.0	124.6
167	12.5	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SLCS723

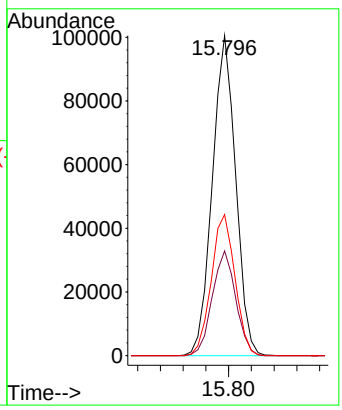
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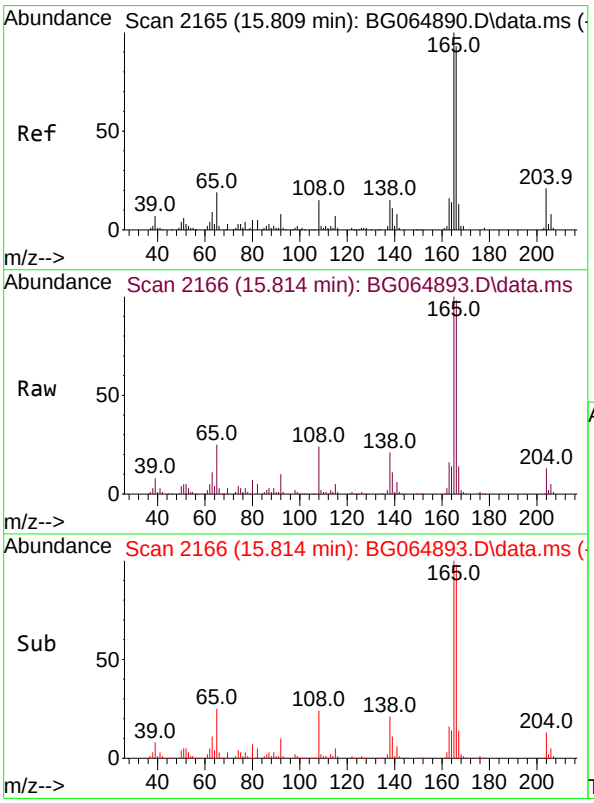


#62
4-Chlorophenyl-phenylether
Concen: 40.695 ng/ul
RT: 15.796 min Scan# 2163
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:204 Resp: 143101

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.1	39.1
141	44.1	36.8	55.2

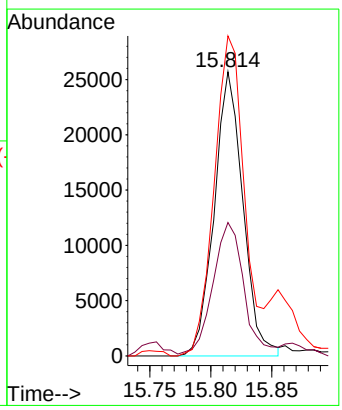




#63
4-Nitroaniline
Concen: 41.940 ng/ul
RT: 15.814 min Scan# 2166
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

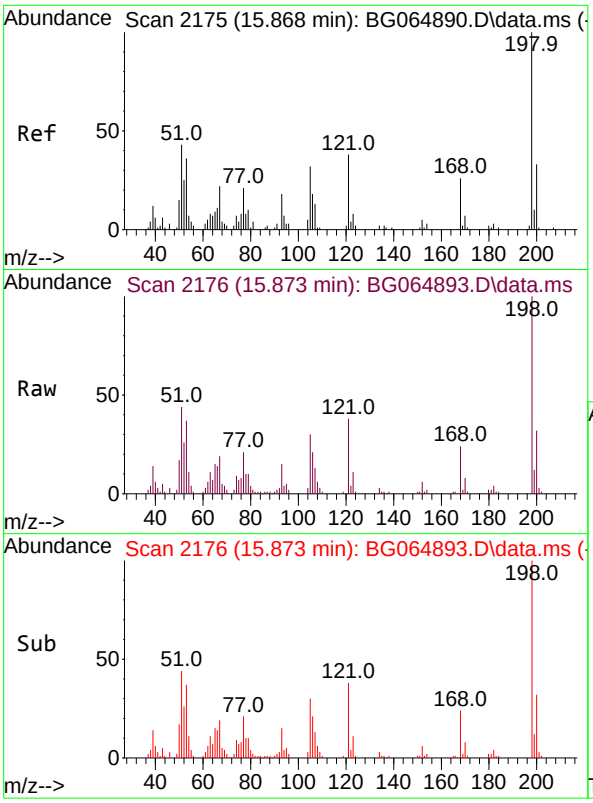
Tgt Ion:138 Resp: 42042

Ion	Ratio	Lower	Upper
138	100		
92	46.9	39.3	58.9
108	112.6	73.8	110.8#



Instrument :
BNA_G
ClientSampleId :
SLCS723

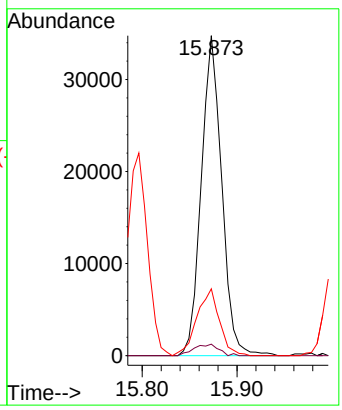
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

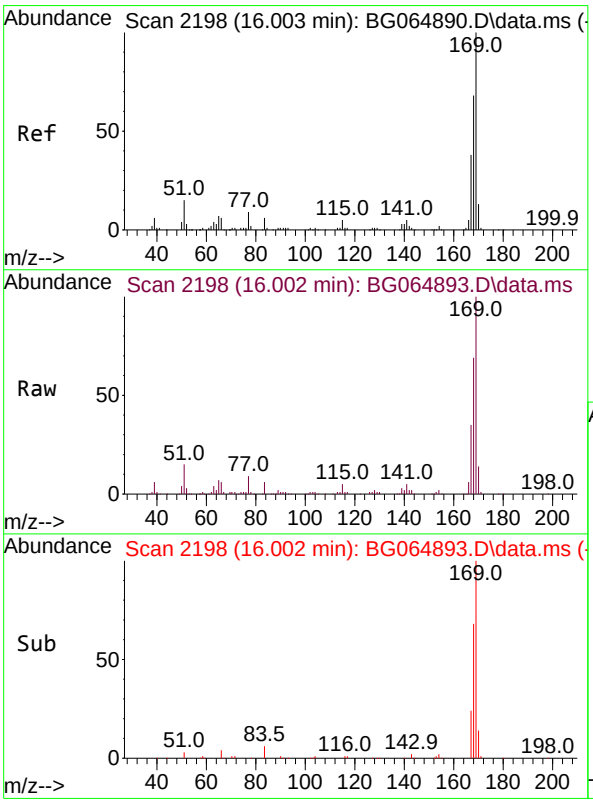


#66
4,6-Dinitro-2-methylphenol
Concen: 41.880 ng/ul
RT: 15.873 min Scan# 2176
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:198 Resp: 52214

Ion	Ratio	Lower	Upper
198	100		
182	3.6	3.6	5.4#
77	20.9	17.5	26.3

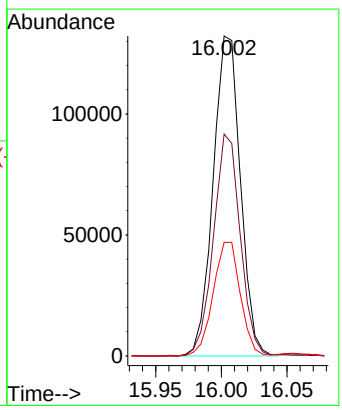




#67
N-Nitrosodiphenylamine
Concen: 35.517 ng/ul
RT: 16.002 min Scan# 2198
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

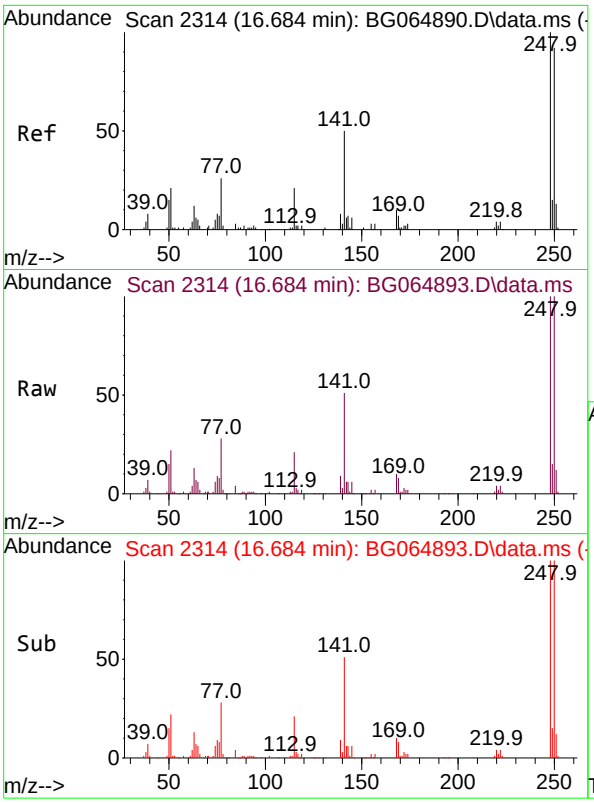
Tgt Ion:169 Resp: 191258

Ion	Ratio	Lower	Upper
169	100		
168	69.3	54.4	81.6
167	35.5	29.0	43.4



Instrument :
BNA_G
ClientSampleId :
SLCS723

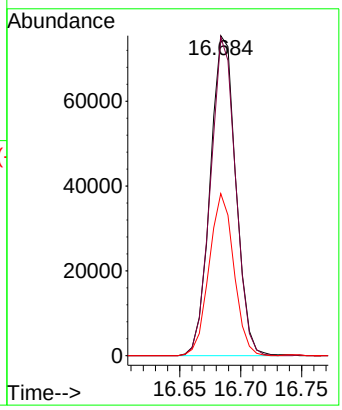
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#68
4-Bromophenyl-phenylether
Concen: 41.295 ng/ul
RT: 16.684 min Scan# 2314
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

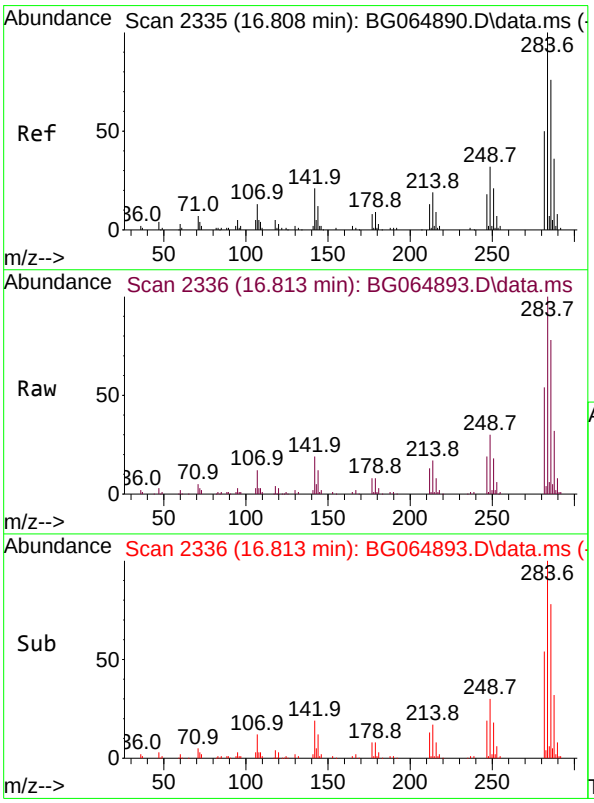
Tgt Ion:248 Resp: 110312

Ion	Ratio	Lower	Upper
248	100		
250	99.5	80.2	120.2
141	50.6	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
SLCS723

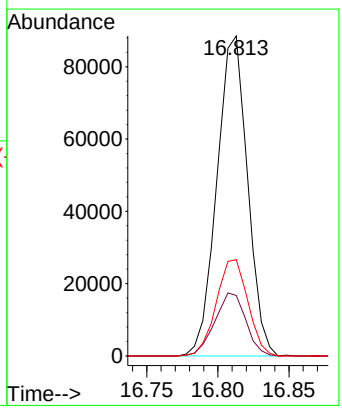
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

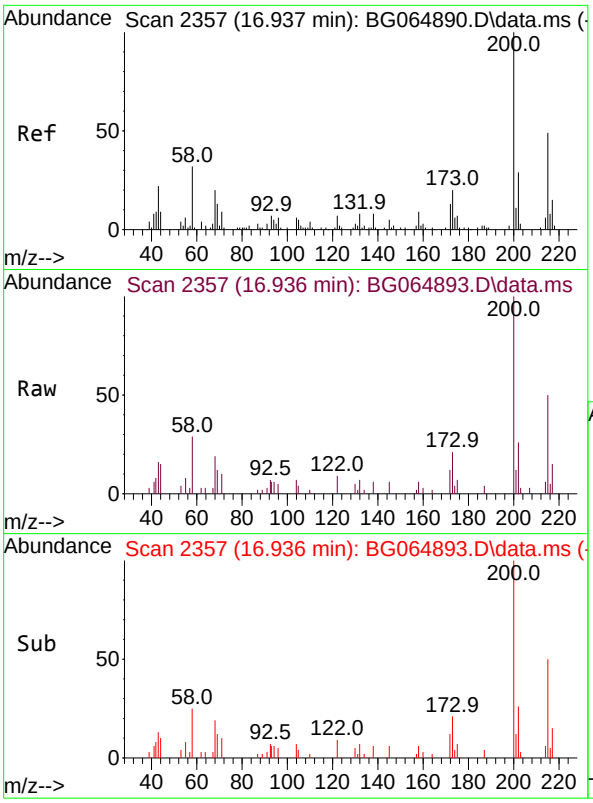


#69
Hexachlorobenzene
Concen: 40.958 ng/ul
RT: 16.813 min Scan# 2336
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:284 Resp: 132735

Ion	Ratio	Lower	Upper
284	100		
142	17.7	17.6	26.4
249	28.2	24.7	37.1

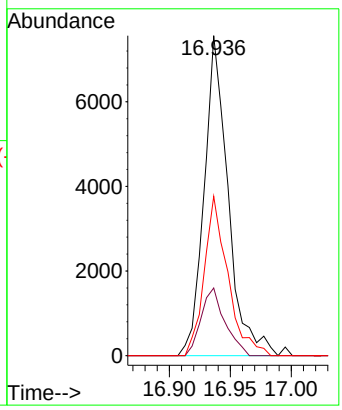




#70
Atrazine
Concen: 4.019 ng/ul
RT: 16.936 min Scan# 2357
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

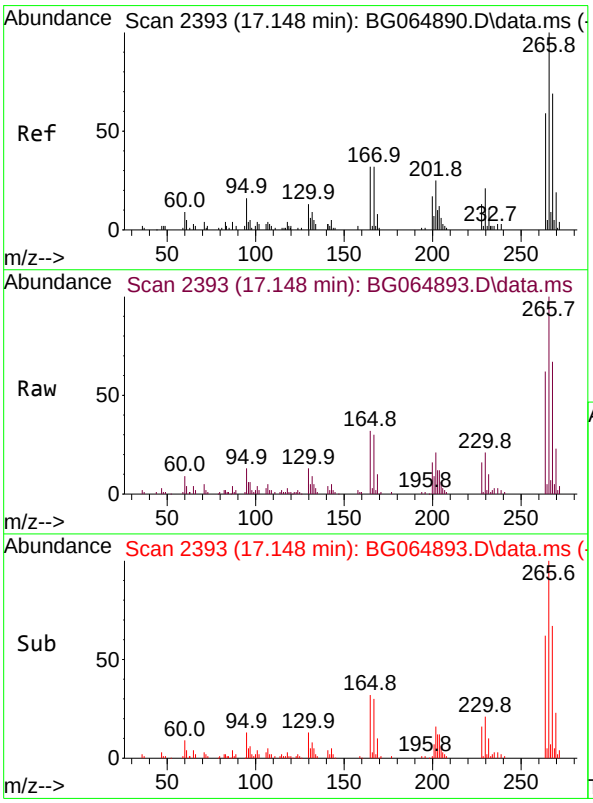
Tgt Ion:200 Resp: 10354

Ion	Ratio	Lower	Upper
200	100		
173	21.1	18.6	28.0
215	49.8	39.0	58.6



Instrument :
BNA_G
ClientSampleId :
SLCS723

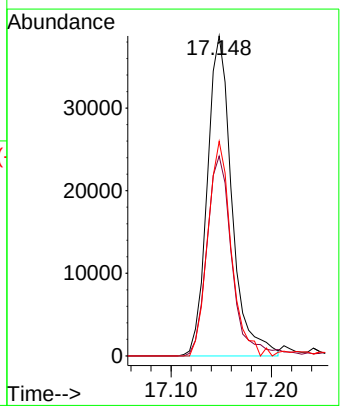
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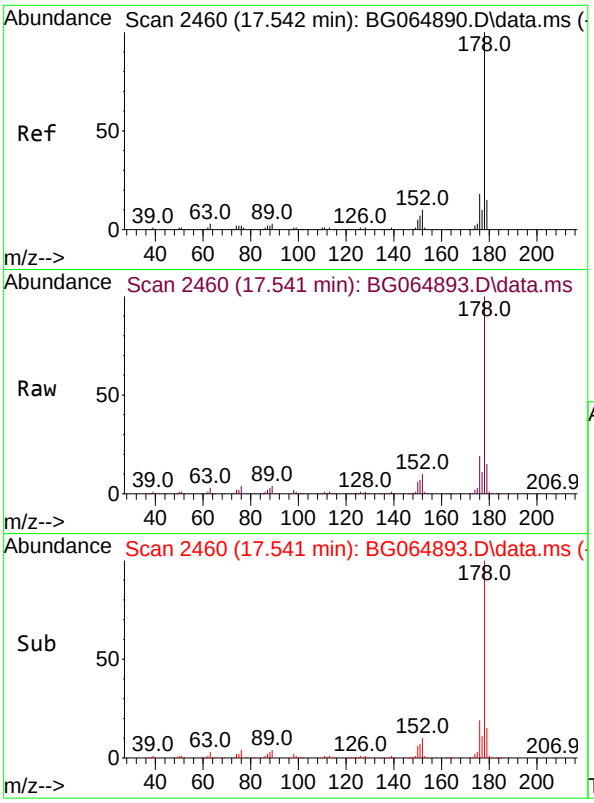


#71
Pentachlorophenol
Concen: 36.601 ng/ul
RT: 17.148 min Scan# 2393
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:266 Resp: 65865

Ion	Ratio	Lower	Upper
266	100		
264	67.8	48.8	73.2
268	67.0	53.0	79.4

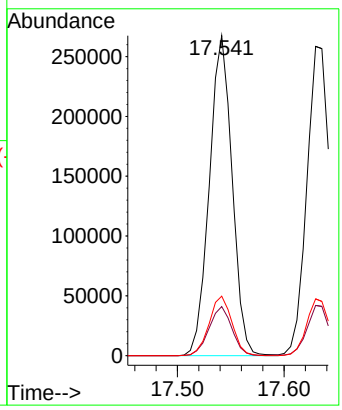


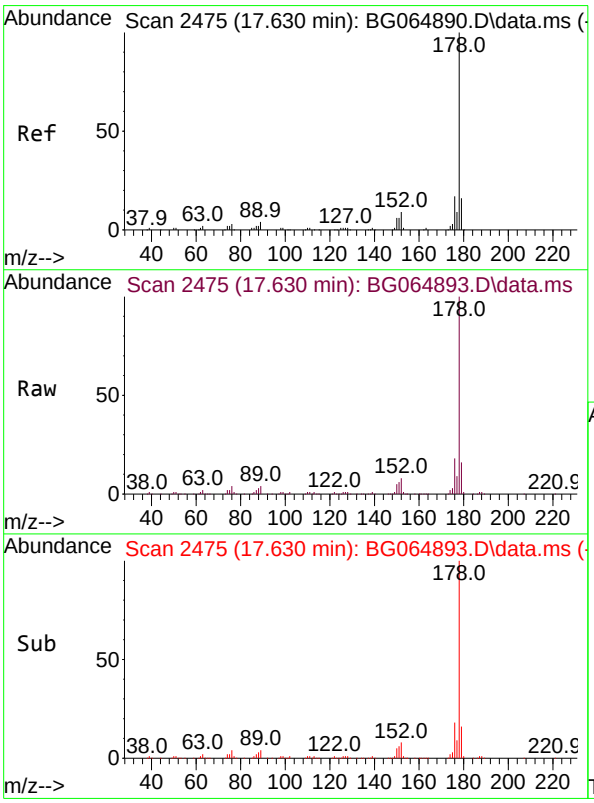


#72
Phenanthrene
Concen: 35.488 ng/ul
RT: 17.541 min Scan# 2460
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:178 Resp: 397611

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.9	17.9
176	18.6	15.1	22.7

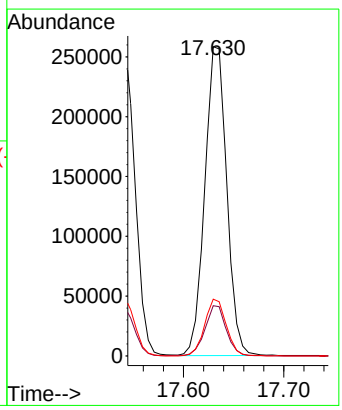




#74
Anthracene
Concen: 34.924 ng/ul
RT: 17.630 min Scan# 2475
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

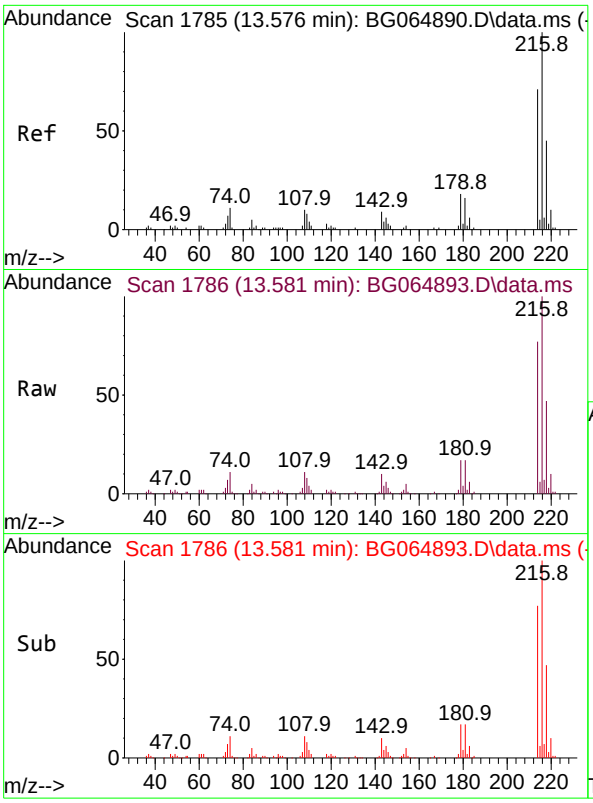
Tgt Ion:178 Resp: 392493

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.5	18.7
176	18.4	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SLCS723

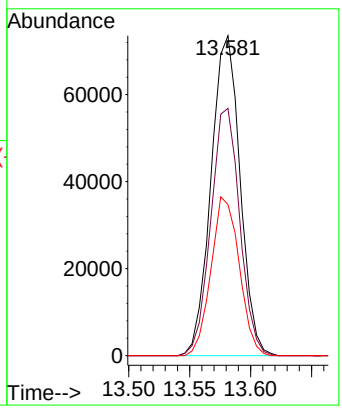
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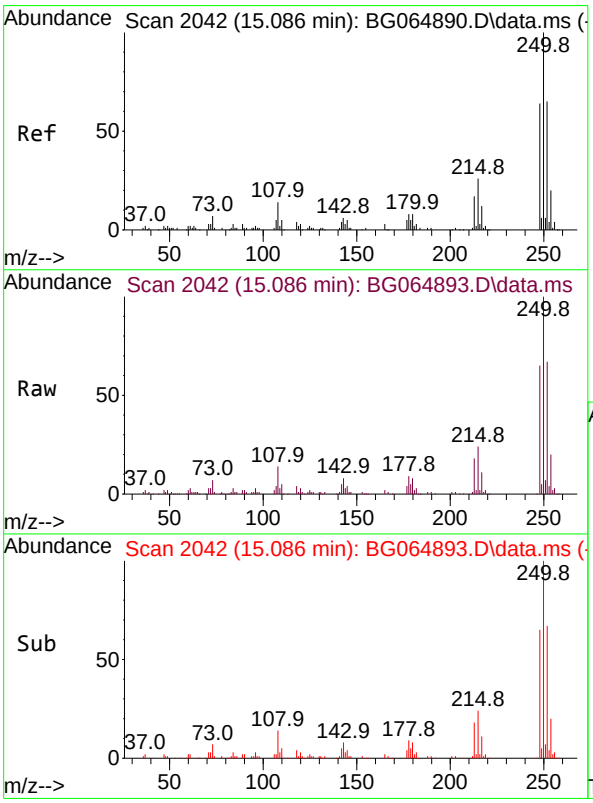


#75
1,2,3,4-Tetrachlorobenzene
Concen: 40.502 ng/ul
RT: 13.581 min Scan# 1786
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:216 Resp: 122007

Ion	Ratio	Lower	Upper
216	100		
214	77.3	60.1	90.1
218	47.2	38.2	57.4

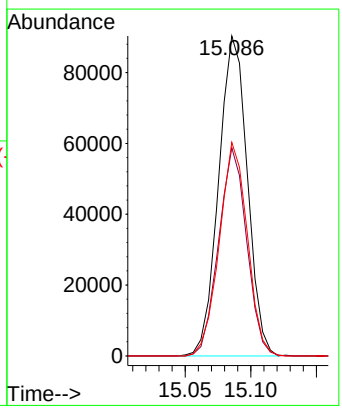




#76
Pentachlorobenzene
Concen: 40.147 ng/ul
RT: 15.086 min Scan# 2042
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

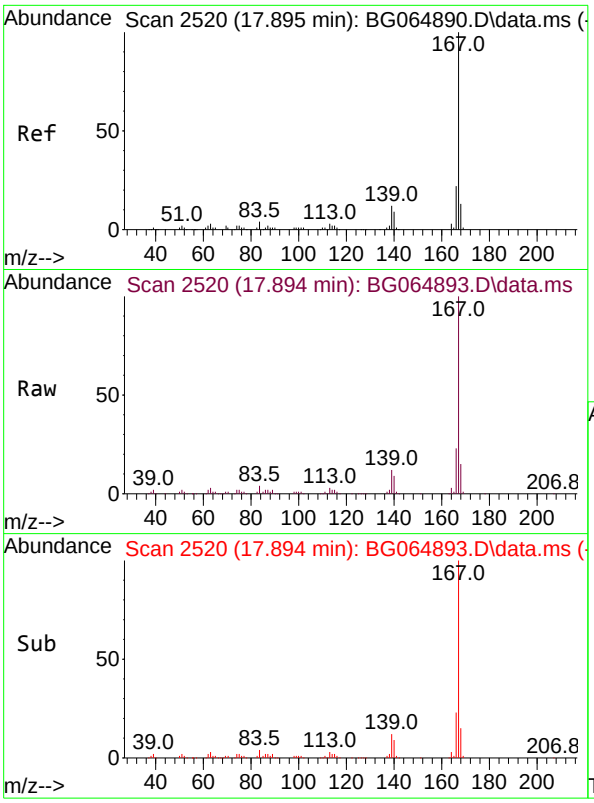
Tgt Ion:250 Resp: 137397

Ion	Ratio	Lower	Upper
250	100		
248	65.0	48.5	72.7
252	66.7	51.8	77.8



Instrument :
BNA_G
ClientSampleId :
SLCS723

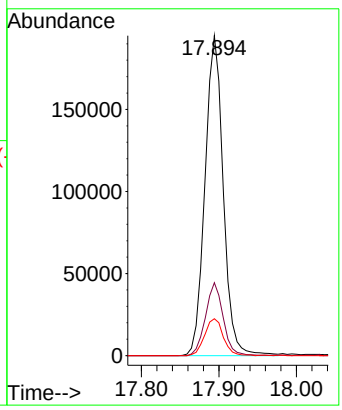
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mohammad
12/3/2025 1:12:48 AM

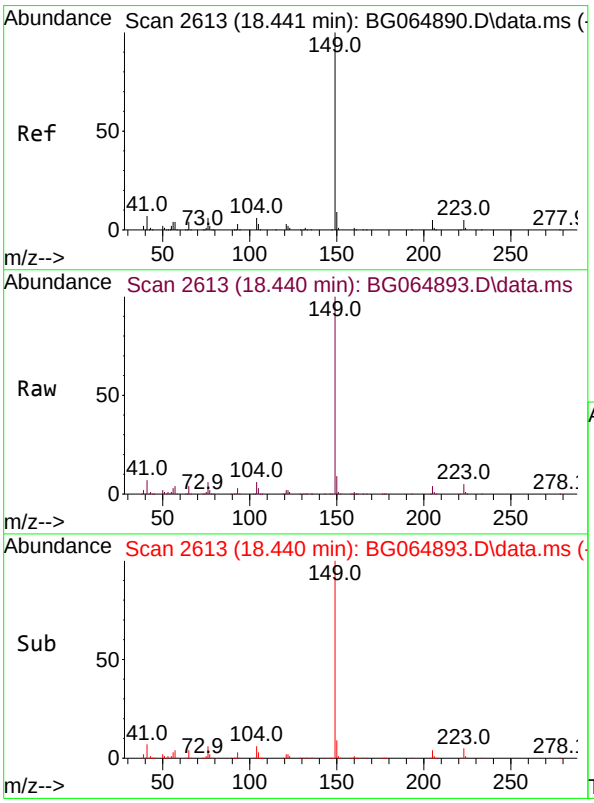


#77
Carbazole
Concen: 34.855 ng/ul
RT: 17.894 min Scan# 2520
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:167 Resp: 319442

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.9	26.9
139	11.5	9.4	14.2

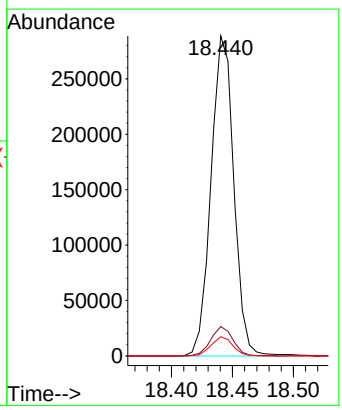




#78
Di-n-butylphthalate
Concen: 35.374 ng/ul
RT: 18.440 min Scan# 2613
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

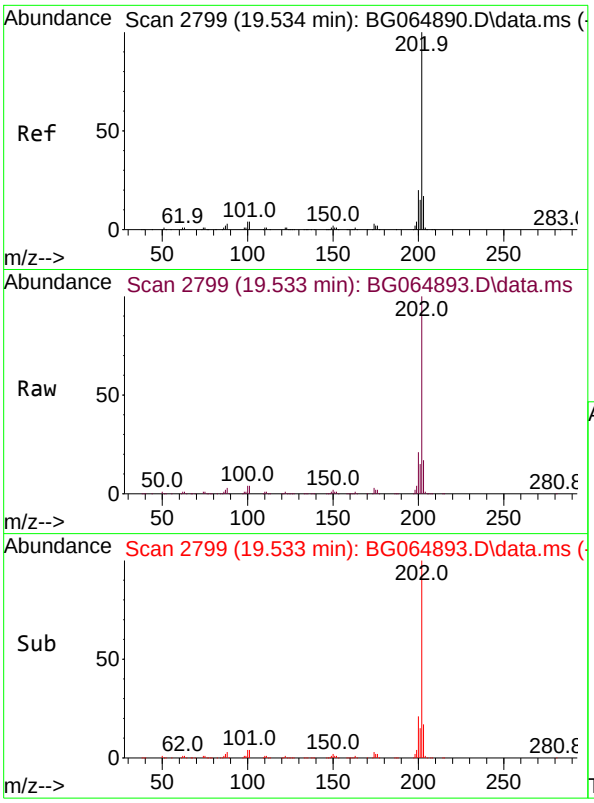
Tgt Ion:149 Resp: 374991

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	6.0	3.5	5.3#



Instrument :
BNA_G
ClientSampleId :
SLCS723

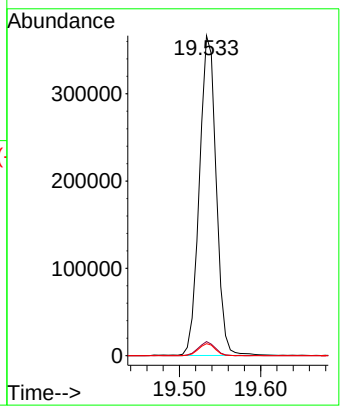
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#80
Fluoranthene
Concen: 36.392 ng/ul
RT: 19.533 min Scan# 2799
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

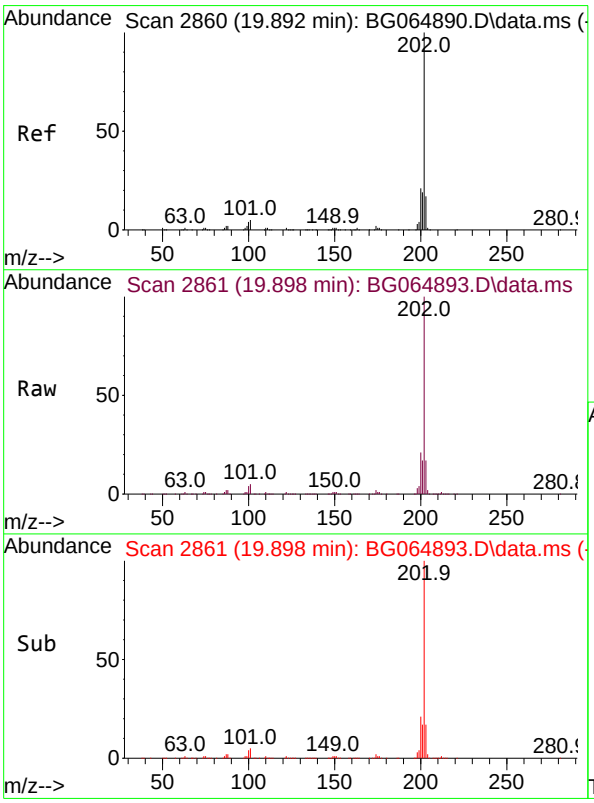
Tgt Ion:202 Resp: 525378

Ion	Ratio	Lower	Upper
202	100		
101	4.4	5.5	8.3#
100	3.7	4.9	7.3#



Instrument :
BNA_G
ClientSampleId :
SLCS723

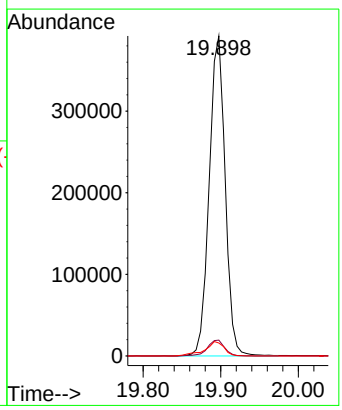
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

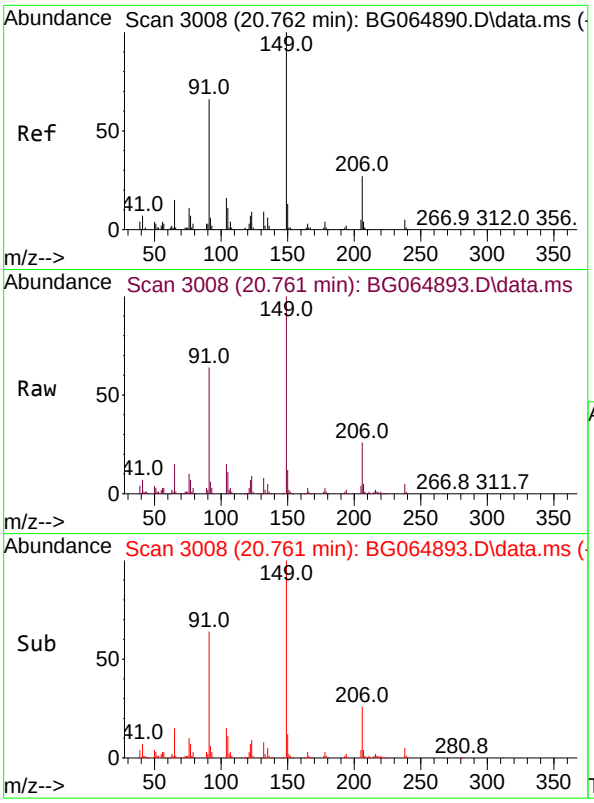


#82
Pyrene
Concen: 37.210 ng/ul
RT: 19.898 min Scan# 2861
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:202 Resp: 560706

Ion	Ratio	Lower	Upper
202	100		
101	4.9	6.0	9.0#
100	4.0	5.4	8.2#

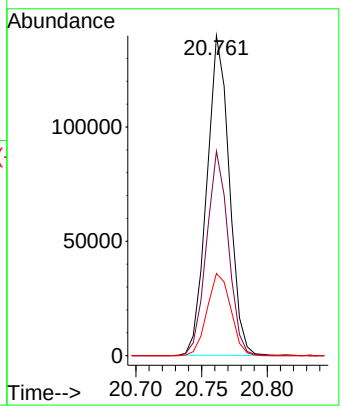




#83
Butylbenzylphthalate
Concen: 33.398 ng/ul
RT: 20.761 min Scan# 3008
Delta R.T. -0.002 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

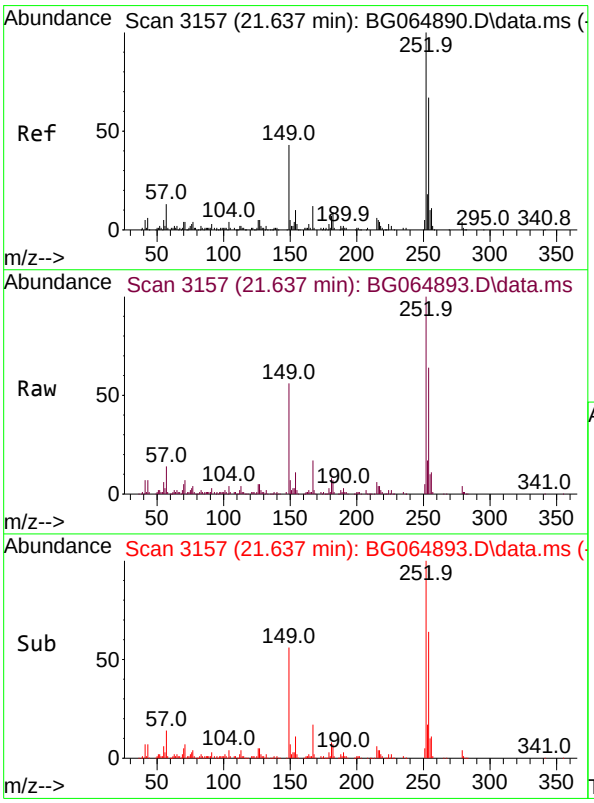
Tgt Ion:149 Resp: 166199

Ion	Ratio	Lower	Upper
149	100		
91	63.9	48.3	72.5
206	25.7	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
SLCS723

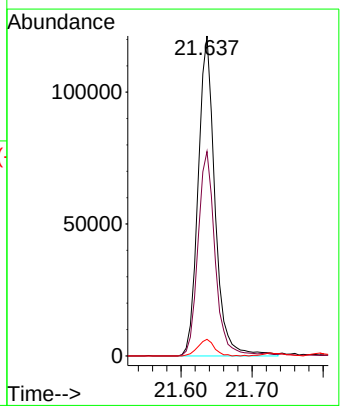
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

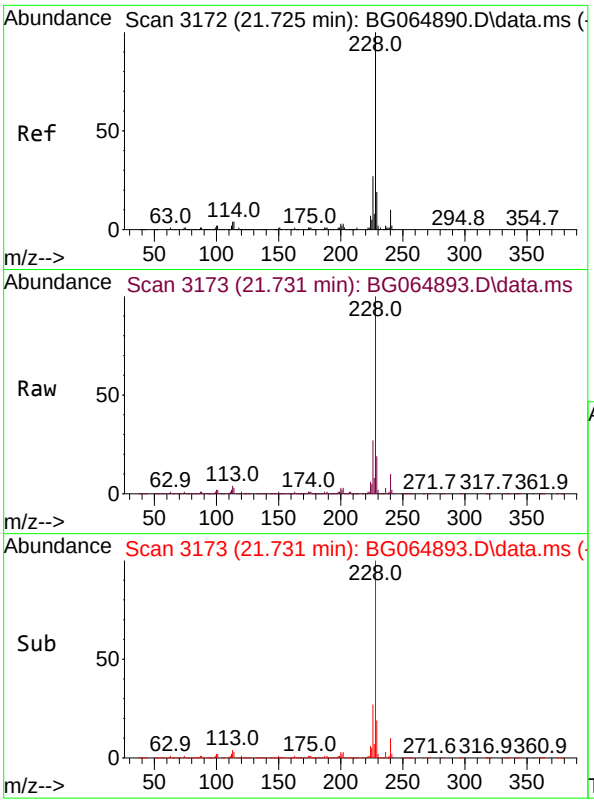


#84
3,3'-Dichlorobenzidine
Concen: 37.188 ng/ul
RT: 21.637 min Scan# 3157
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:252 Resp: 198702

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.9	77.9
126	5.2	4.6	7.0

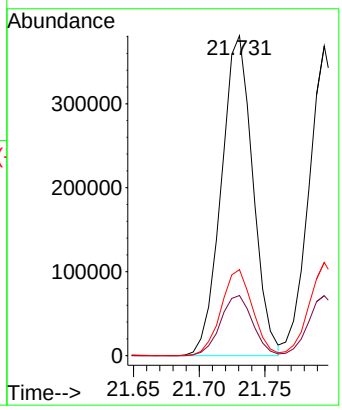




#85
Benzo(a)anthracene
Concen: 37.863 ng/ul
RT: 21.731 min Scan# 3173
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

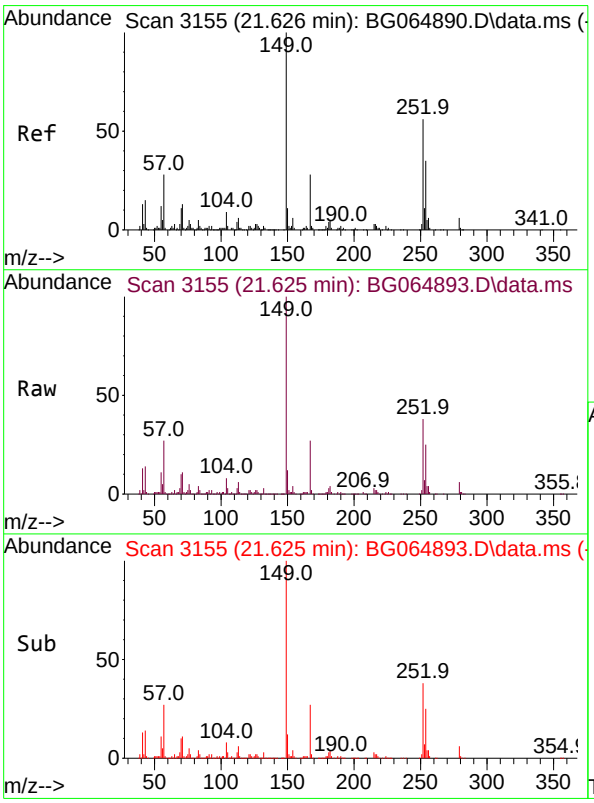
Tgt Ion:228 Resp: 636913

Ion	Ratio	Lower	Upper
228	100		
229	18.8	15.2	22.8
226	26.9	21.6	32.4



Instrument :
BNA_G
ClientSampleId :
SLCS723

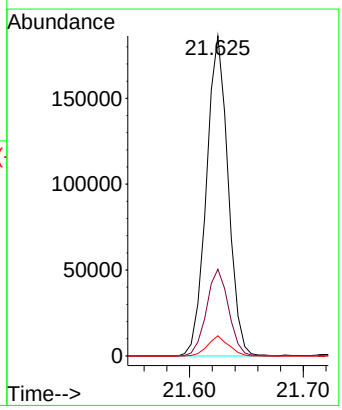
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

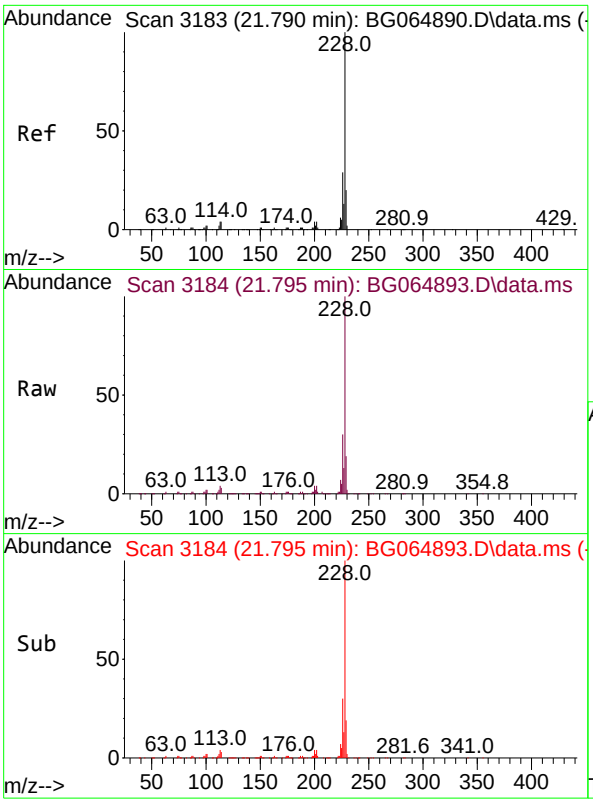


#86
Bis(2-ethylhexyl)phthalate
Concen: 33.612 ng/ul
RT: 21.625 min Scan# 3155
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:149 Resp: 247374

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.7	31.1
279	6.3	3.8	5.8#

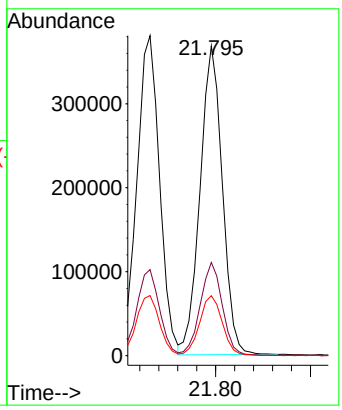




#87
Chrysene
Concen: 36.977 ng/ul
RT: 21.795 min Scan# 3184
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

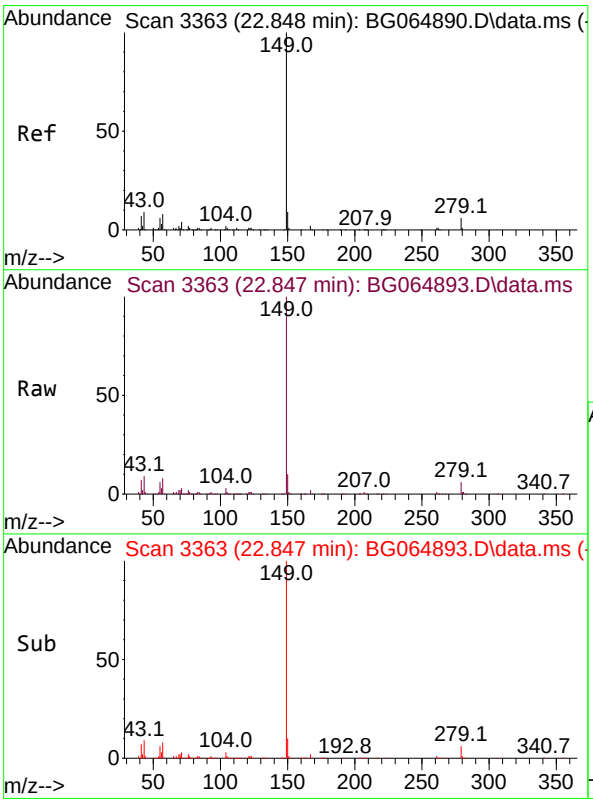
Tgt Ion:228 Resp: 602055

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	36.8
229	19.3	15.8	23.6



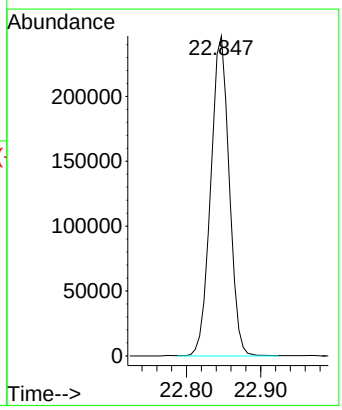
Instrument :
BNA_G
ClientSampleId :
SLCS723

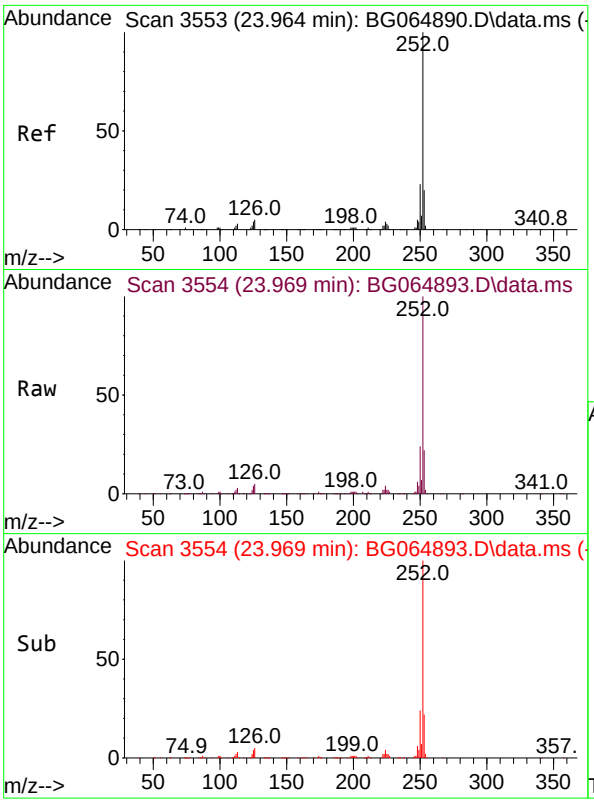
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#89
Di-n-octyl phthalate
Concen: 33.179 ng/ul
RT: 22.847 min Scan# 3363
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:149 Resp: 426523

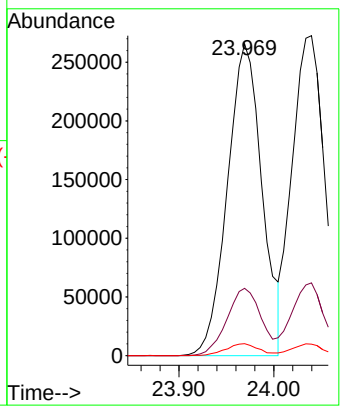


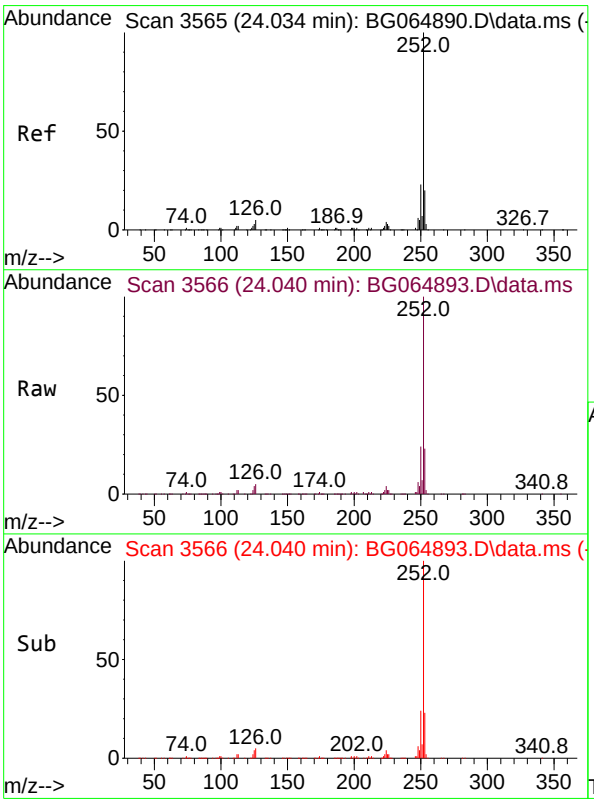


#90
Benzo(b)fluoranthene
Concen: 38.864 ng/ul
RT: 23.969 min Scan# 3554
Delta R.T. 0.009 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:252 Resp: 675008

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	3.8	4.6	6.8#

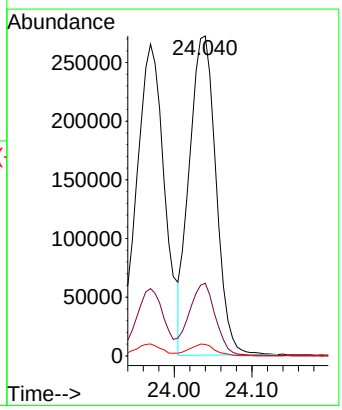




#91
Benzo(k)fluoranthene
Concen: 36.545 ng/ul
RT: 24.040 min Scan# 3566
Delta R.T. 0.015 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

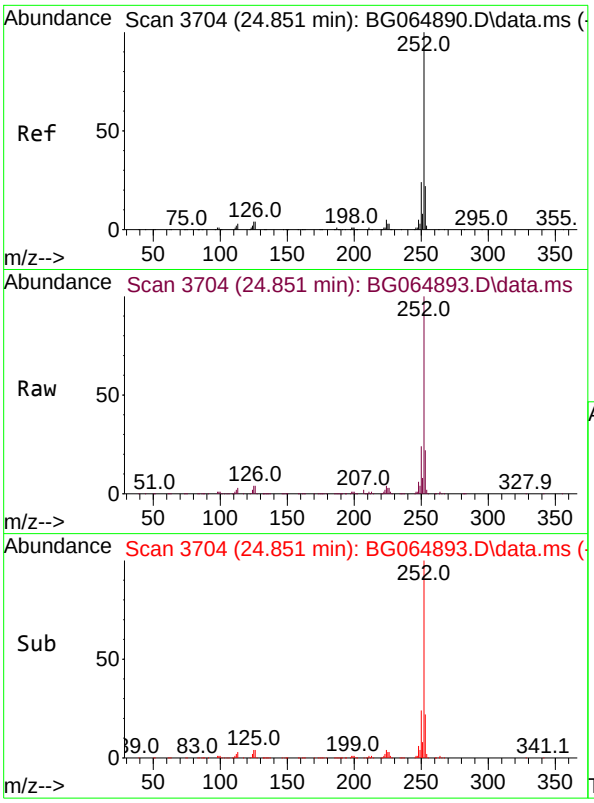
Tgt Ion:252 Resp: 649488

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	28.0
125	3.6	4.1	6.1#



Instrument :
BNA_G
ClientSampleId :
SLCS723

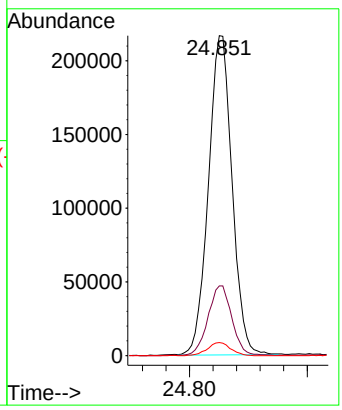
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#93
Benzo(a)pyrene
Concen: 36.565 ng/ul
RT: 24.851 min Scan# 3704
Delta R.T. 0.004 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

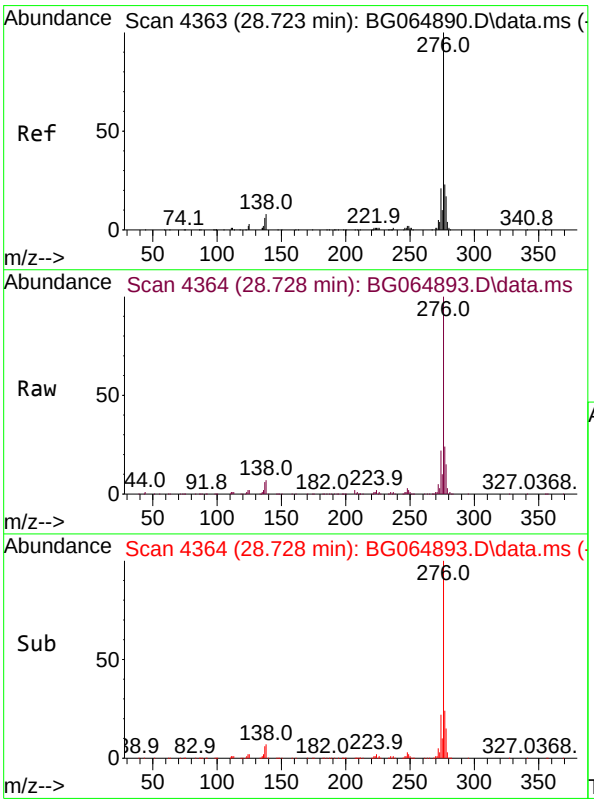
Tgt Ion:252 Resp: 604015

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	4.1	4.7	7.1#



Instrument :
BNA_G
ClientSampleId :
SLCS723

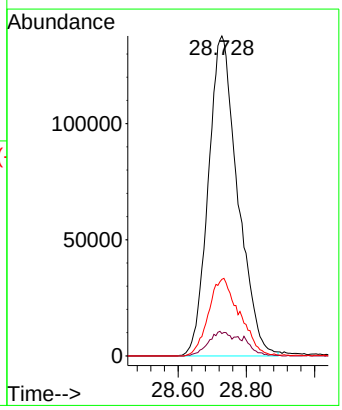
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

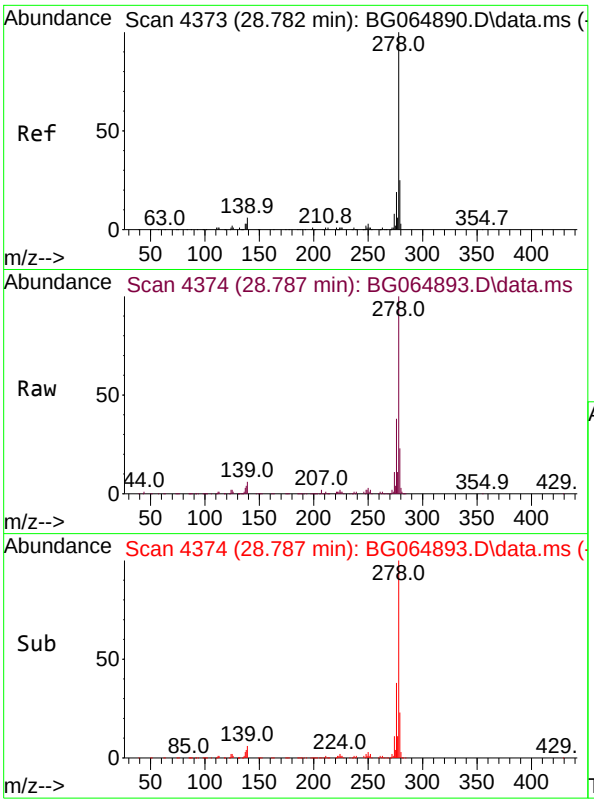


#94
Indeno(1,2,3-cd)pyrene
Concen: 38.797 ng/ul
RT: 28.728 min Scan# 4364
Delta R.T. 0.015 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:276 Resp: 823359

Ion	Ratio	Lower	Upper
276	100		
138	7.0	9.0	13.4#
277	23.9	18.5	27.7

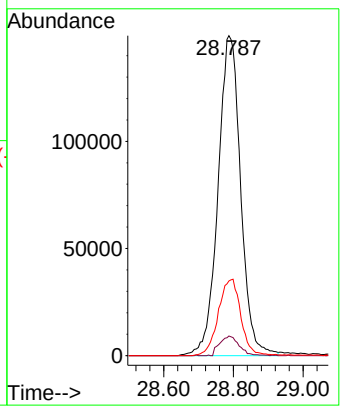


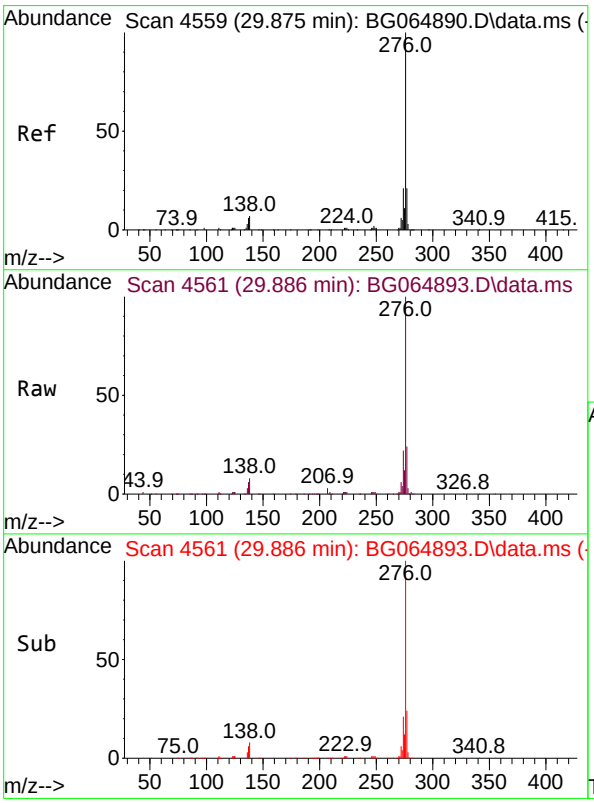


#95
Dibenzo(a,h)anthracene
Concen: 39.372 ng/ul
RT: 28.787 min Scan# 4374
Delta R.T. 0.009 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:278 Resp: 674055

Ion	Ratio	Lower	Upper
278	100		
139	6.1	6.6	9.8#
279	23.3	18.6	27.8

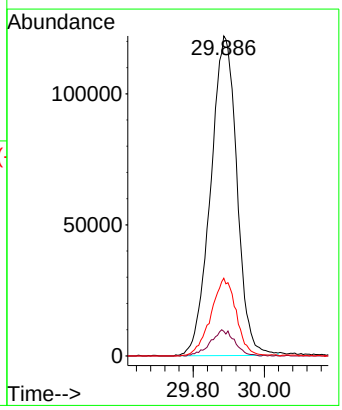




#96
Benzo(g,h,i)perylene
Concen: 36.607 ng/ul
RT: 29.886 min Scan# 4561
Delta R.T. 0.015 min
Lab File: BG064893.D
Acq: 26 Nov 2025 17:45

Tgt Ion:276 Resp: 627066

Ion	Ratio	Lower	Upper
276	100		
138	7.7	9.8	14.8#
277	24.3	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SLCS723

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064893.D
Acq On : 26 Nov 2025 17:45
Operator : RC/JU
Sample : PB170723BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS723

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Quant Time: Dec 01 11:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	22851	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	89361	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	76209	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	200372	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.748	240	250909	20.000	ng/ul	# 0.00
88) Perylene-d12	25.003	264	282094	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	5911	10.253	ng/uL	0.00
4) Pyridine-d5	3.916	84	42664	26.858	ng/ul	0.00
7) Phenol-d5	7.301	99	62773	34.077	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.471	67	33335	28.295	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	52134	37.332	ng/ul	0.00
15) 4-Methylphenol-d8	8.858	113	52635	33.153	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	25627	38.022	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	31399	39.221	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	68394	41.437	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	53417	25.319	ng/ul	0.00
46) Dimethylphthalate-d6	14.169	166	231080	38.547	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	240975	37.535	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	32873	36.170	ng/ul	0.00
60) Fluorene-d10	15.755	176	208024	38.654	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.861	200	51858	40.424	ng/ul	0.00
73) Anthracene-d10	17.594	188	367173	36.265	ng/ul	0.00
81) Pyrene-d10	19.868	212	495591	38.453	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	578992	38.903	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.523	88	6417	9.622	ng/uL	83
5) Pyridine	3.934	79	43384	24.944	ng/ul	93
6) Benzaldehyde	7.277	77	4203m	4.645	ng/ul	
8) Phenol	7.330	94	63608	33.078	ng/ul	90
10) Bis(2-Chloroethyl)ether	7.565	93	40367	28.386	ng/ul	99
12) 2-Chlorophenol	7.718	128	52378	35.414	ng/ul	98
13) 2-Methylphenol	8.593	108	50107	32.916	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.675	45	84195	28.200	ng/ul	99
16) Acetophenone	8.975	105	80822	30.949	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.963	70	37403	29.857	ng/ul	93
18) 4-Methylphenol	8.922	108	56128	33.607	ng/ul	91
19) Hexachloroethane	9.251	117	20353	30.835	ng/ul	89
22) Nitrobenzene	9.363	77	59796	34.541	ng/ul	98
23) Isophorone	9.892	82	111416	32.853	ng/ul#	95
25) 2-Nitrophenol	10.080	139	32759	38.924	ng/ul#	89
26) 2,4-Dimethylphenol	10.127	107	55507	30.619	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.362	93	57423	30.192	ng/ul#	97
29) 2,4-Dichlorophenol	10.614	162	62798	40.794	ng/ul	96
30) Naphthalene	11.026	128	177808	34.624	ng/ul	99
32) 4-Chloroaniline	11.120	127	40025	18.640	ng/ul	95
33) Hexachlorobutadiene	11.313	225	69891	43.284	ng/ul	94
34) Caprolactam	11.866	113	16945m	31.502	ng/ul	
35) 4-Chloro-3-methylphenol	12.230	107	64916	38.724	ng/ul	95
36) 2-Methylnaphthalene	12.618	142	134915	35.057	ng/ul	97

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064893.D
Acq On : 26 Nov 2025 17:45
Operator : RC/JU
Sample : PB170723BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 01 11:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS723

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.829	142	133301	35.388	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.982	216	122274	41.761	ng/ul	96
40) Hexachlorocyclopentadiene	12.964	237	56658	27.932	ng/ul	95
41) 2,4,6-Trichlorophenol	13.211	196	65881	40.704	ng/ul	97
42) 2,4,5-Trichlorophenol	13.282	196	74526	43.699	ng/ul	95
43) 1,1'-Biphenyl	13.611	154	200333	37.339	ng/ul#	97
44) 2-Chloronaphthalene	13.652	162	152535	36.215	ng/ul	99
45) 2-Nitroaniline	13.846	65	47704	38.099	ng/ul	99
47) Dimethylphthalate	14.210	163	223080	36.466	ng/ul	99
48) 2,6-Dinitrotoluene	14.333	165	44802	39.912	ng/ul	93
50) Acenaphthylene	14.492	152	248285	33.804	ng/ul	99
51) 3-Nitroaniline	14.663	138	36705	37.701	ng/ul	99
52) Acenaphthene	14.833	153	174952	36.326	ng/ul	98
53) 2,4-Dinitrophenol	14.862	184	29008	43.943	ng/ul#	80
55) 4-Nitrophenol	14.956	109	38725	46.095	ng/ul#	83
56) Dibenzofuran	15.162	168	268226	36.487	ng/ul	98
57) 2,4-Dinitrotoluene	15.115	165	71509	41.872	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.385	232	78200	40.493	ng/ul	91
59) Diethylphthalate	15.567	149	221170	36.812	ng/ul	98
61) Fluorene	15.808	166	215371	37.350	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.796	204	143101	40.695	ng/ul	98
63) 4-Nitroaniline	15.814	138	42042	41.940	ng/ul#	85
66) 4,6-Dinitro-2-methylph...	15.873	198	52214	41.880	ng/ul#	98
67) N-Nitrosodiphenylamine	16.002	169	191258	35.517	ng/ul	99
68) 4-Bromophenyl-phenylether	16.684	248	110312	41.295	ng/ul	99
69) Hexachlorobenzene	16.813	284	132735	40.958	ng/ul	93
70) Atrazine	16.936	200	10354	4.019	ng/ul	98
71) Pentachlorophenol	17.148	266	65865	36.601	ng/ul	95
72) Phenanthrene	17.541	178	397611	35.488	ng/ul	99
74) Anthracene	17.630	178	392493	34.924	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.581	216	122007	40.502	ng/ul	98
76) Pentachlorobenzene	15.086	250	137397	40.147	ng/ul	96
77) Carbazole	17.894	167	319442	34.855	ng/ul	99
78) Di-n-butylphthalate	18.440	149	374991	35.374	ng/ul#	98
80) Fluoranthene	19.533	202	525378	36.392	ng/ul#	93
82) Pyrene	19.898	202	560706	37.210	ng/ul#	92
83) Butylbenzylphthalate	20.761	149	166199	33.398	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.637	252	198702	37.188	ng/ul	99
85) Benzo(a)anthracene	21.731	228	636913	37.863	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.625	149	247374	33.612	ng/ul#	97
87) Chrysene	21.795	228	602055	36.977	ng/ul	99
89) Di-n-octyl phthalate	22.847	149	426523	33.179	ng/ul	100
90) Benzo(b)fluoranthene	23.969	252	675008	38.864	ng/ul#	98
91) Benzo(k)fluoranthene	24.040	252	649488	36.545	ng/ul#	98
93) Benzo(a)pyrene	24.851	252	604015	36.565	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.728	276	823359	38.797	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.787	278	674055	39.372	ng/ul#	98
96) Benzo(g,h,i)perylene	29.886	276	627066	36.607	ng/ul#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

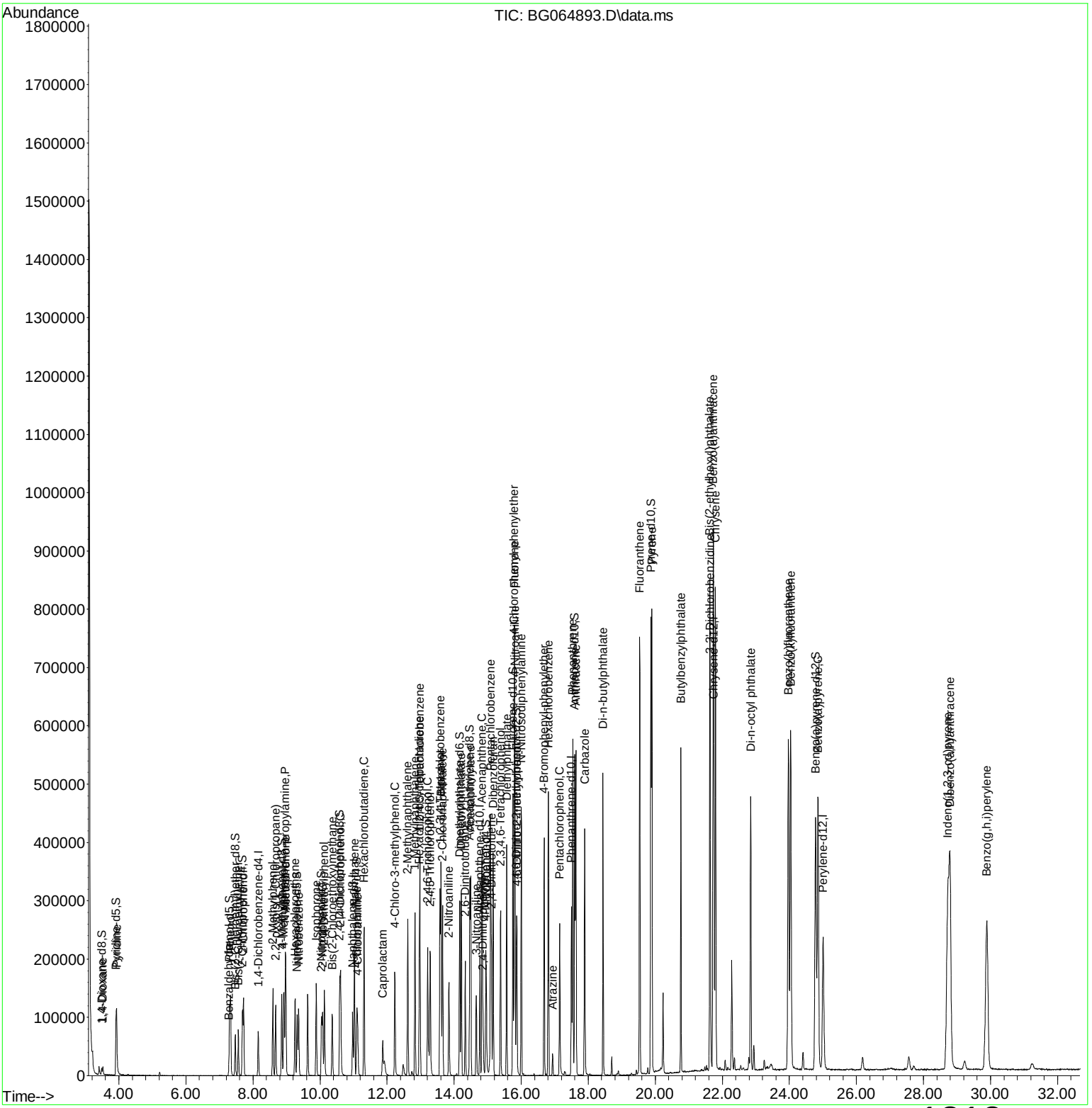
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064893.D
Acq On : 26 Nov 2025 17:45
Operator : RC/JU
Sample : PB170723BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 01 11:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
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Instrument :
BNA_G
ClientSampleId :
SLCS723

Manual Integrations APPROVED
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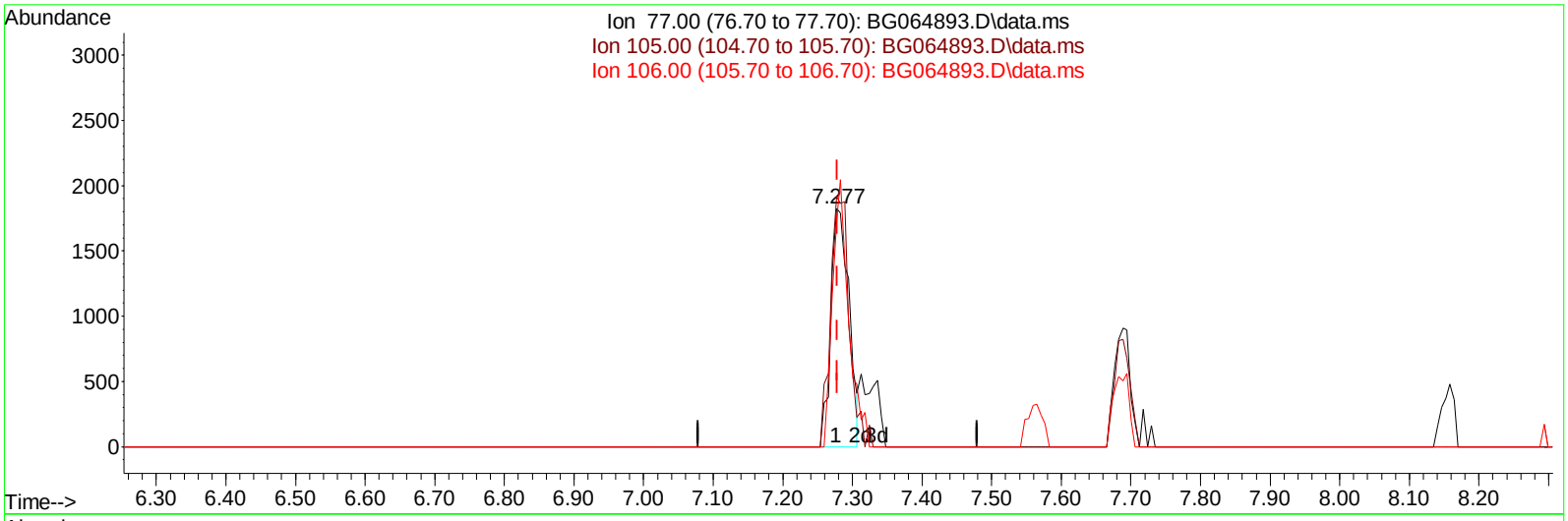
Quantitation Report (Qedit)

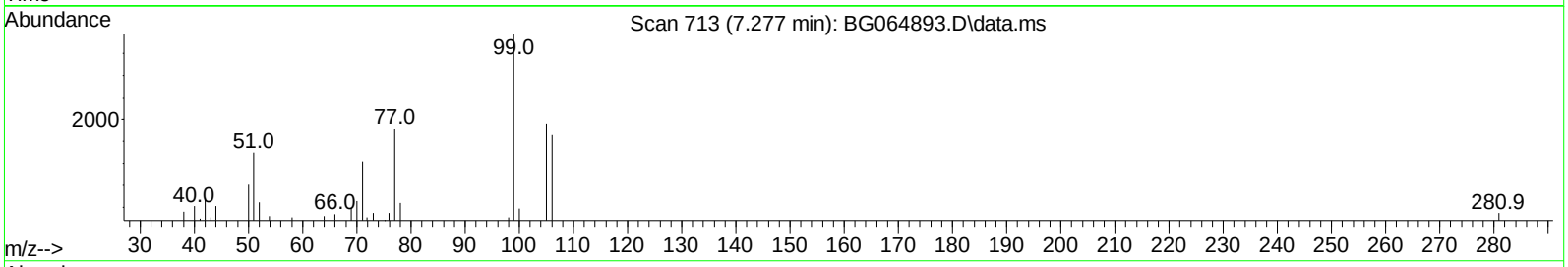
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Sample : PB170723BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

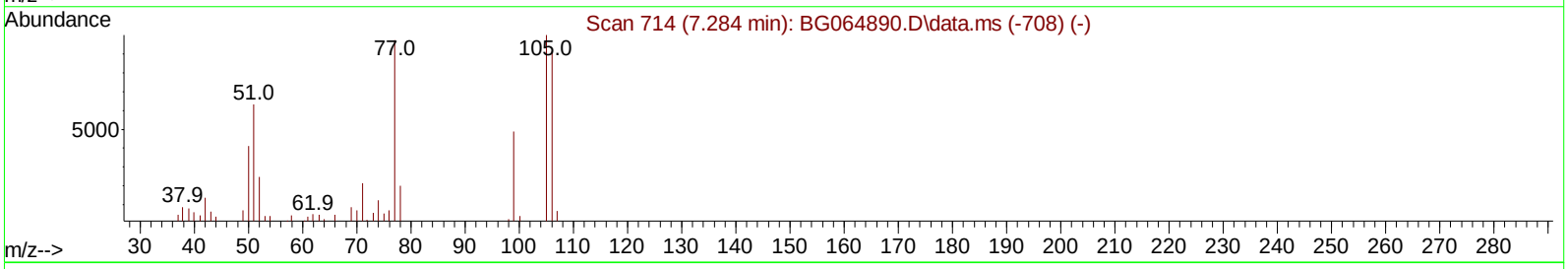
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
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TIC: BG064893.D\data.ms

(6) Benzaldehyde

7.277min (-0.002) 3.64 ng/ul

response 3297

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	94.90	104.93
106.00	92.90	94.30
0.00	0.00	0.00

1313

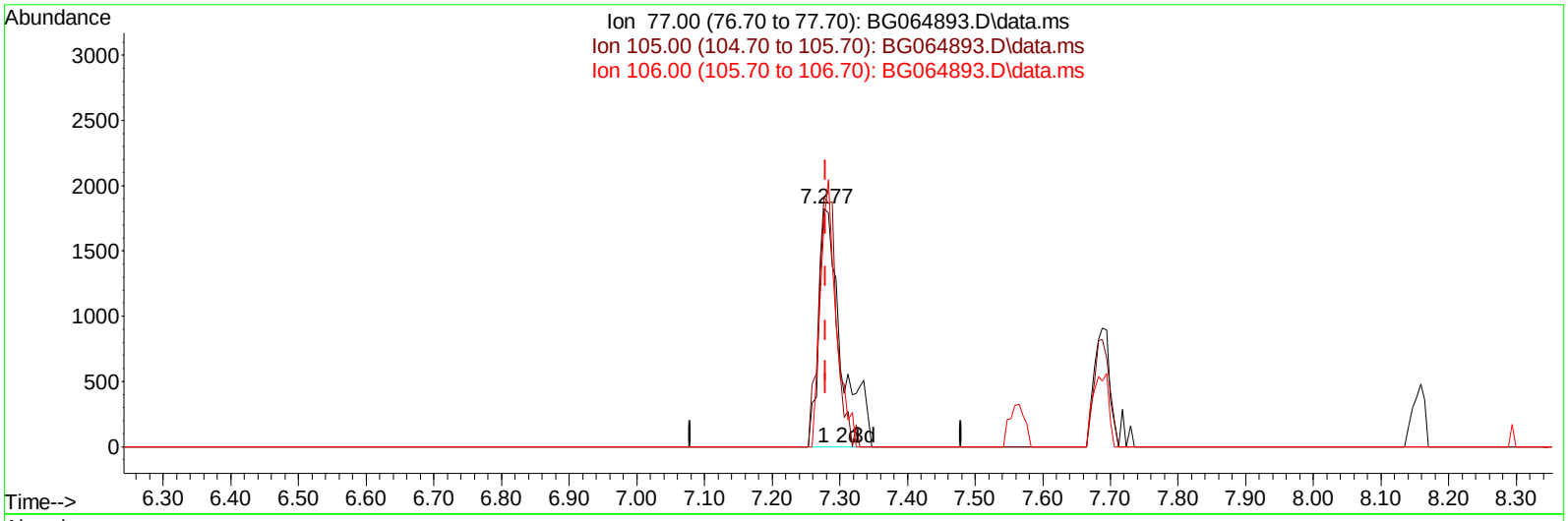
Quantitation Report (Qedit)

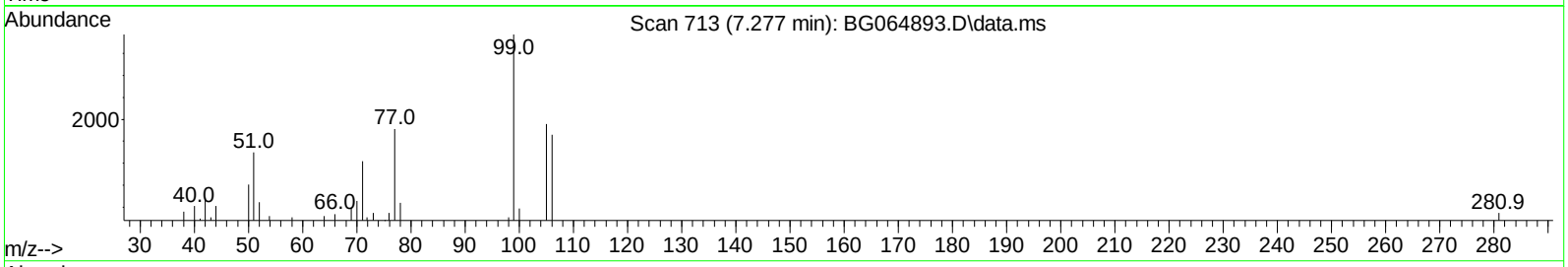
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Operator : RC/JU
Sample : PB170723BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

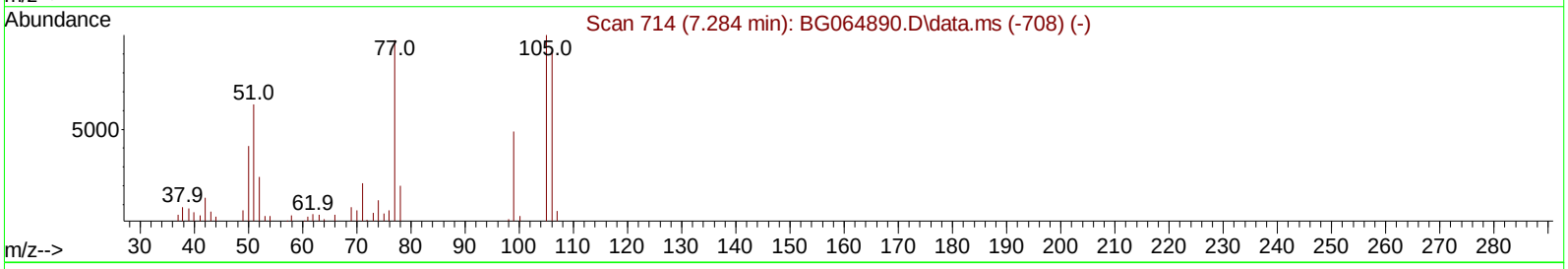
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Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
mohammad
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TIC: BG064893.D\data.ms

(6) Benzaldehyde

7.277min (-0.002) 4.65 ng/ul m

response 4203

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	94.90	104.93
106.00	92.90	94.30
0.00	0.00	0.00

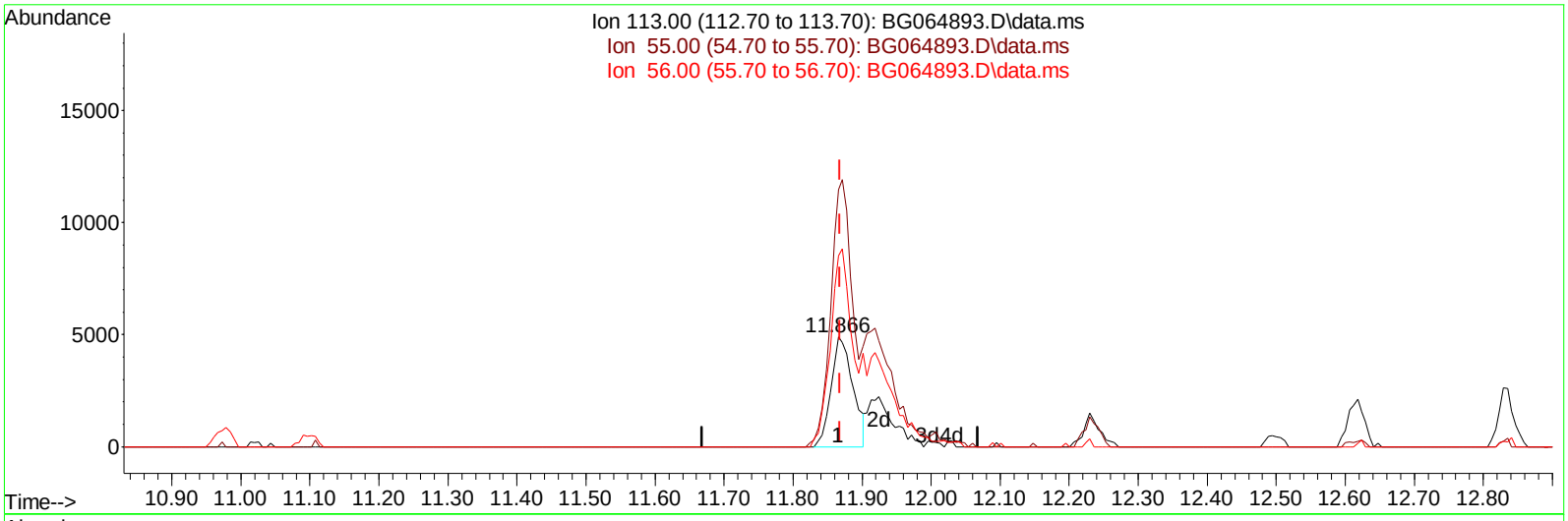
Quantitation Report (Qedit)

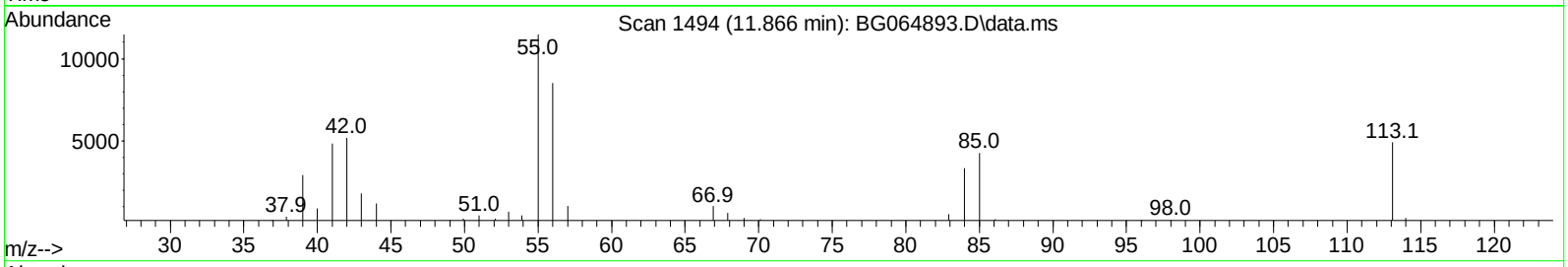
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Operator : RC/JU
Sample : PB170723BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

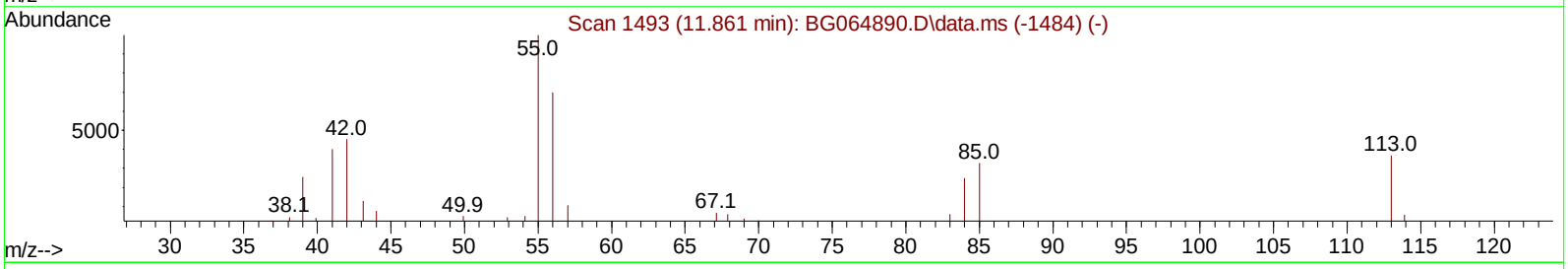
Quant Time: Dec 01 11:32:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
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Manual Integrations APPROVED
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TIC: BG064893.D\data.ms

(34) Caprolactam

11.866min (-0.002) 20.04 ng/ul

response 10777

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	234.06
56.00	159.40	173.91
0.00	0.00	0.00

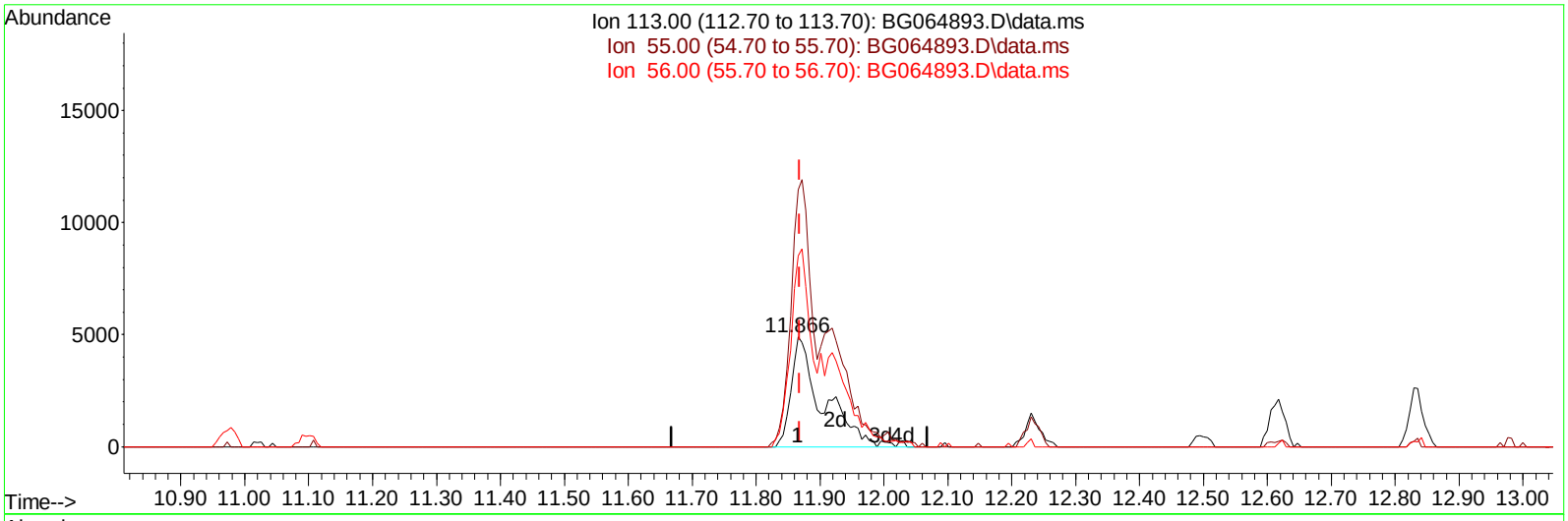
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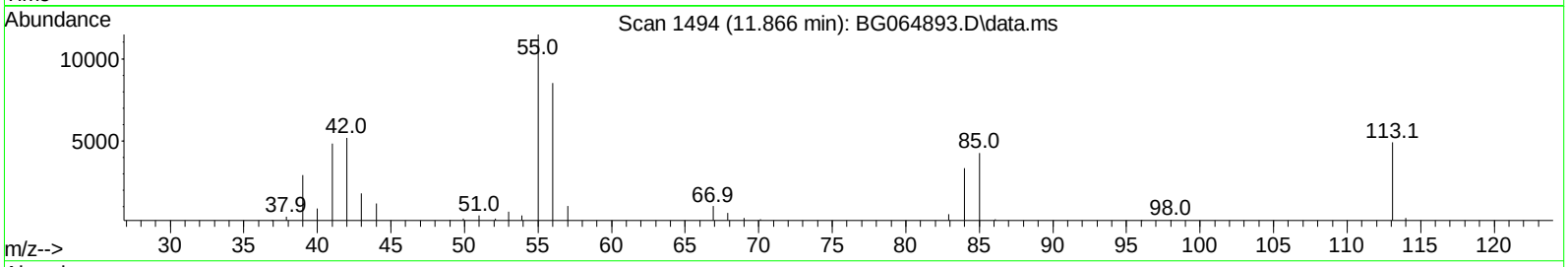
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Misc :
ALS Vial : 26 Sample Multiplier: 1

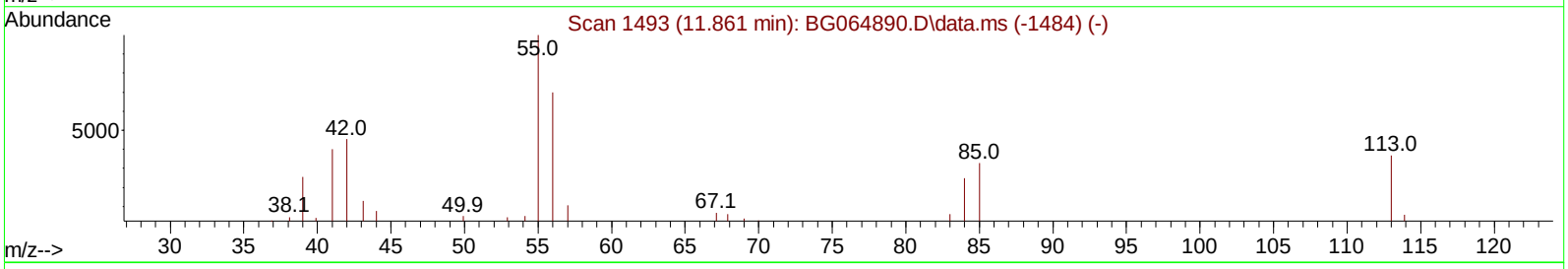
Quant Time: Dec 01 11:32:22 2025
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Manual Integrations APPROVED
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TIC: BG064893.D\data.ms

(34) Caprolactam

11.866min (-0.002) 31.50 ng/ul m

response 16945

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	234.06
56.00	159.40	173.91
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	22851	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	89361	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.768	164	76209	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.500	188	200372	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.748	240	250909	20.000	ng/ul	# 0.00
88) Perylene-d12	25.003	264	282094	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	5911	10.253	ng/uL	0.00
4) Pyridine-d5	3.916	84	42664	26.858	ng/ul	0.00
7) Phenol-d5	7.301	99	62773	34.077	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.471	67	33335	28.295	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	52134	37.332	ng/ul	0.00
15) 4-Methylphenol-d8	8.858	113	52635	33.153	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	25627	38.022	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	31399	39.221	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.585	165	68394	41.437	ng/ul	0.00
31) 4-Chloroaniline-d4	11.096	131	53417	25.319	ng/ul	0.00
46) Dimethylphthalate-d6	14.169	166	231080	38.547	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	240975	37.535	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	32873	36.170	ng/ul	0.00
60) Fluorene-d10	15.755	176	208024	38.654	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.861	200	51858	40.424	ng/ul	0.00
73) Anthracene-d10	17.594	188	367173	36.265	ng/ul	0.00
81) Pyrene-d10	19.868	212	495591	38.453	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.780	264	578992	38.903	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.523	88	6417	9.622	ng/uL	83
5) Pyridine	3.934	79	43384	24.944	ng/ul	93
6) Benzaldehyde	7.277	77	4203m	4.645	ng/ul	
8) Phenol	7.330	94	63608	33.078	ng/ul	90
10) Bis(2-Chloroethyl)ether	7.565	93	40367	28.386	ng/ul	99
12) 2-Chlorophenol	7.718	128	52378	35.414	ng/ul	98
13) 2-Methylphenol	8.593	108	50107	32.916	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.675	45	84195	28.200	ng/ul	99
16) Acetophenone	8.975	105	80822	30.949	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.963	70	37403	29.857	ng/ul	93
18) 4-Methylphenol	8.922	108	56128	33.607	ng/ul	91
19) Hexachloroethane	9.251	117	20353	30.835	ng/ul	89
22) Nitrobenzene	9.363	77	59796	34.541	ng/ul	98
23) Isophorone	9.892	82	111416	32.853	ng/ul#	95
25) 2-Nitrophenol	10.080	139	32759	38.924	ng/ul#	89
26) 2,4-Dimethylphenol	10.127	107	55507	30.619	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.362	93	57423	30.192	ng/ul#	97
29) 2,4-Dichlorophenol	10.614	162	62798	40.794	ng/ul	96
30) Naphthalene	11.026	128	177808	34.624	ng/ul	99
32) 4-Chloroaniline	11.120	127	40025	18.640	ng/ul	95
33) Hexachlorobutadiene	11.313	225	69891	43.284	ng/ul	94
34) Caprolactam	11.866	113	16945m	31.502	ng/ul	
35) 4-Chloro-3-methylphenol	12.230	107	64916	38.724	ng/ul	95

Quantitation Report (QT Reviewed)

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Misc :
ALS Vial : 26 Sample Multiplier: 1

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12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.618	142	134915	35.057 ng/ul	97
37) 1-Methylnaphthalene	12.829	142	133301	35.388 ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.982	216	122274	41.761 ng/ul	96
40) Hexachlorocyclopentadiene	12.964	237	56658	27.932 ng/ul	95
41) 2,4,6-Trichlorophenol	13.211	196	65881	40.704 ng/ul	97
42) 2,4,5-Trichlorophenol	13.282	196	74526	43.699 ng/ul	95
43) 1,1'-Biphenyl	13.611	154	200333	37.339 ng/ul#	97
44) 2-Chloronaphthalene	13.652	162	152535	36.215 ng/ul	99
45) 2-Nitroaniline	13.846	65	47704	38.099 ng/ul	99
47) Dimethylphthalate	14.210	163	223080	36.466 ng/ul	99
48) 2,6-Dinitrotoluene	14.333	165	44802	39.912 ng/ul	93
50) Acenaphthylene	14.492	152	248285	33.804 ng/ul	99
51) 3-Nitroaniline	14.663	138	36705	37.701 ng/ul	99
52) Acenaphthene	14.833	153	174952	36.326 ng/ul	98
53) 2,4-Dinitrophenol	14.862	184	29008	43.943 ng/ul#	80
55) 4-Nitrophenol	14.956	109	38725	46.095 ng/ul#	83
56) Dibenzofuran	15.162	168	268226	36.487 ng/ul	98
57) 2,4-Dinitrotoluene	15.115	165	71509	41.872 ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.385	232	78200	40.493 ng/ul	91
59) Diethylphthalate	15.567	149	221170	36.812 ng/ul	98
61) Fluorene	15.808	166	215371	37.350 ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.796	204	143101	40.695 ng/ul	98
63) 4-Nitroaniline	15.814	138	42042	41.940 ng/ul#	85
66) 4,6-Dinitro-2-methylph...	15.873	198	52214	41.880 ng/ul#	98
67) N-Nitrosodiphenylamine	16.002	169	191258	35.517 ng/ul	99
68) 4-Bromophenyl-phenylether	16.684	248	110312	41.295 ng/ul	99
69) Hexachlorobenzene	16.813	284	132735	40.958 ng/ul	93
70) Atrazine	16.936	200	10354	4.019 ng/ul	98
71) Pentachlorophenol	17.148	266	65865	36.601 ng/ul	95
72) Phenanthrene	17.541	178	397611	35.488 ng/ul	99
74) Anthracene	17.630	178	392493	34.924 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.581	216	122007	40.502 ng/ul	98
76) Pentachlorobenzene	15.086	250	137397	40.147 ng/ul	96
77) Carbazole	17.894	167	319442	34.855 ng/ul	99
78) Di-n-butylphthalate	18.440	149	374991	35.374 ng/ul#	98
80) Fluoranthene	19.533	202	525378	36.392 ng/ul#	93
82) Pyrene	19.898	202	560706	37.210 ng/ul#	92
83) Butylbenzylphthalate	20.761	149	166199	33.398 ng/ul	96
84) 3,3'-Dichlorobenzidine	21.637	252	198702	37.188 ng/ul	99
85) Benzo(a)anthracene	21.731	228	636913	37.863 ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.625	149	247374	33.612 ng/ul#	97
87) Chrysene	21.795	228	602055	36.977 ng/ul	99
89) Di-n-octyl phthalate	22.847	149	426523	33.179 ng/ul	100
90) Benzo(b)fluoranthene	23.969	252	675008	38.864 ng/ul#	98
91) Benzo(k)fluoranthene	24.040	252	649488	36.545 ng/ul#	98
93) Benzo(a)pyrene	24.851	252	604015	36.565 ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.728	276	823359	38.797 ng/ul#	95
95) Dibenzo(a,h)anthracene	28.787	278	674055	39.372 ng/ul#	98
96) Benzo(g,h,i)perylene	29.886	276	627066	36.607 ng/ul#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS741

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA
Level :
Matrix : Water
Lab Sample ID : PB170741BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BG064894.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 11/26/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-30-6	N-Nitrosodiphenylamine	31	
117-81-7	Bis(2-ethylhexyl)phthalate	29	

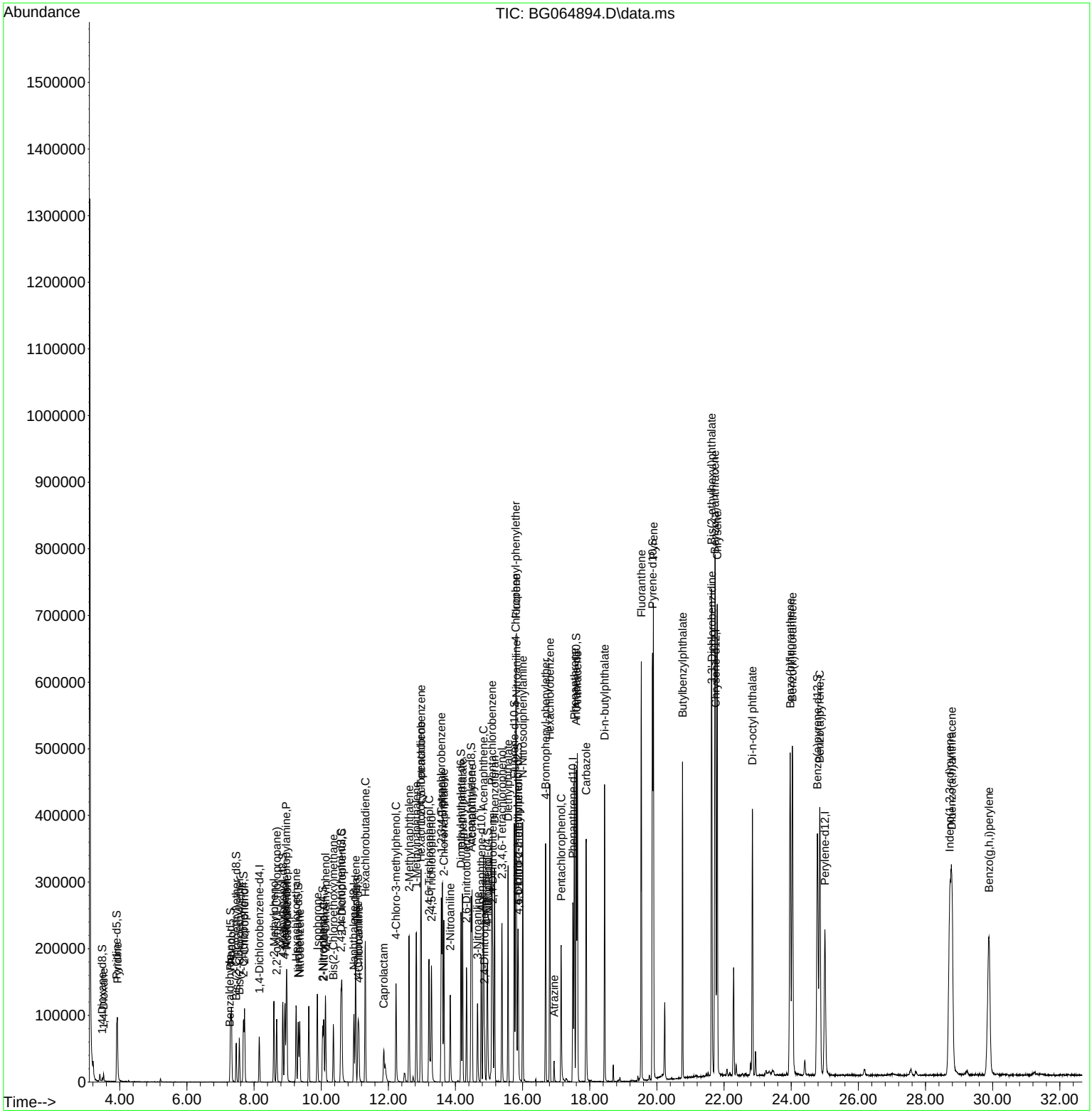
Quantitation Report (QT Reviewed)

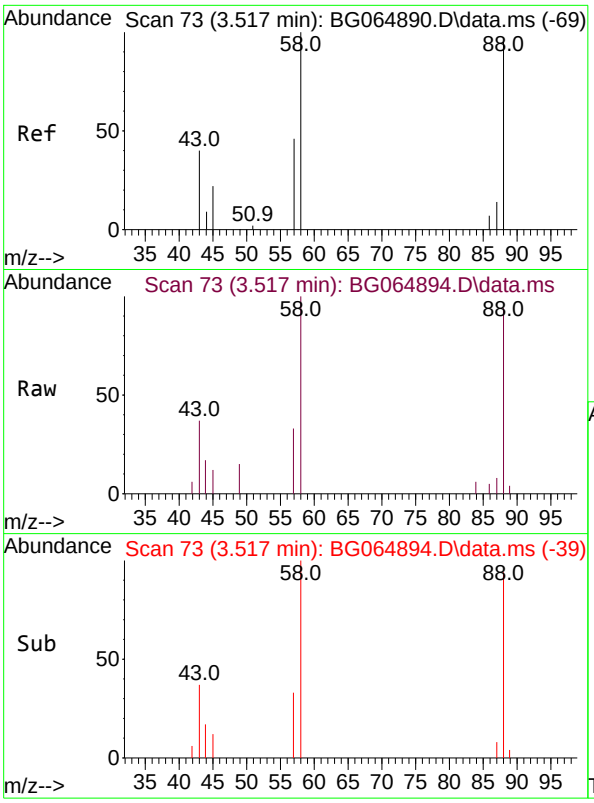
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064894.D
Acq On : 26 Nov 2025 18:25
Operator : RC/JU
Sample : PB170741BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 01 11:39:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

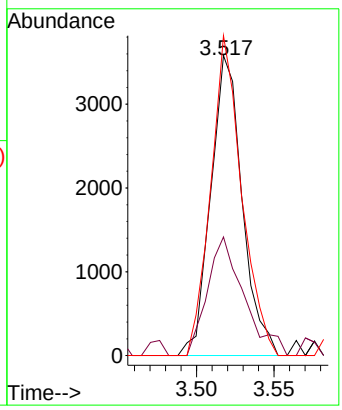




#2
1,4-Dioxane
Concen: 8.427 ng/uL
RT: 3.517 min Scan# 73
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

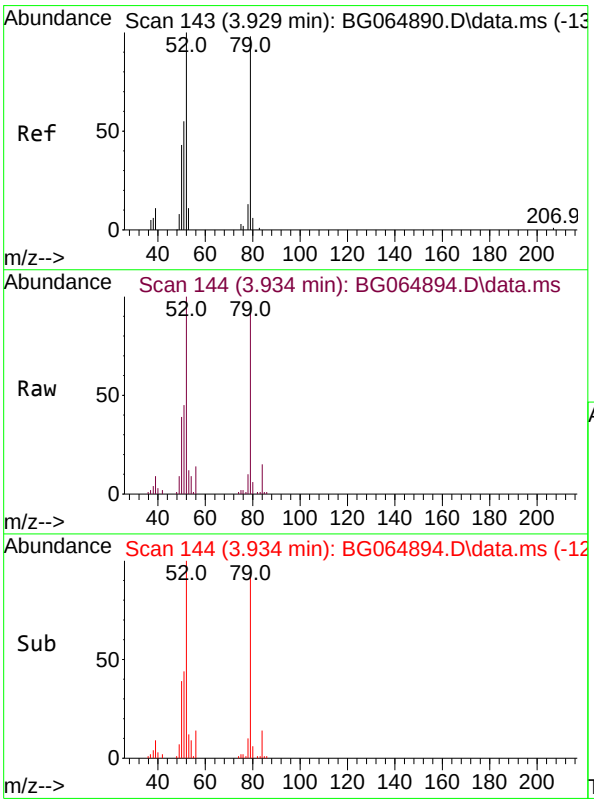
Tgt Ion: 88 Resp: 5063

Ion	Ratio	Lower	Upper
88	100		
43	39.5	29.6	44.4
58	106.6	87.8	131.6



Instrument :
BNA_G
ClientSampleId :
SLCS741

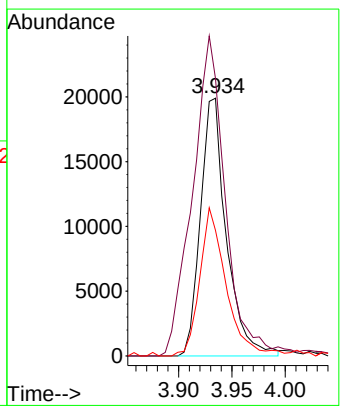
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

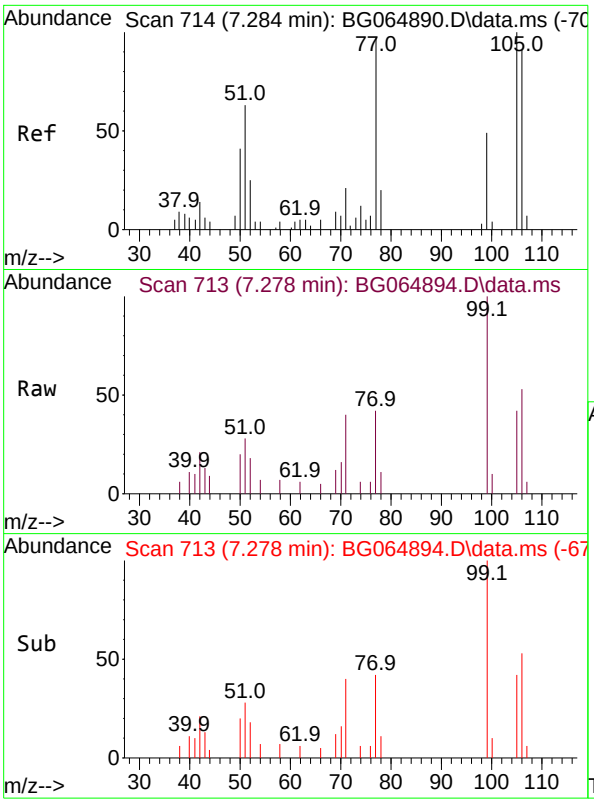


#5
Pyridine
Concen: 21.482 ng/ul
RT: 3.934 min Scan# 144
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion: 79 Resp: 33660

Ion	Ratio	Lower	Upper
79	100		
52	107.6	88.0	132.0
51	48.7	38.2	57.4

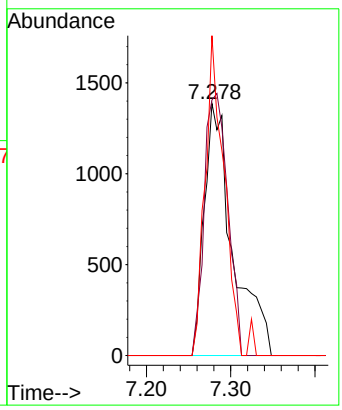


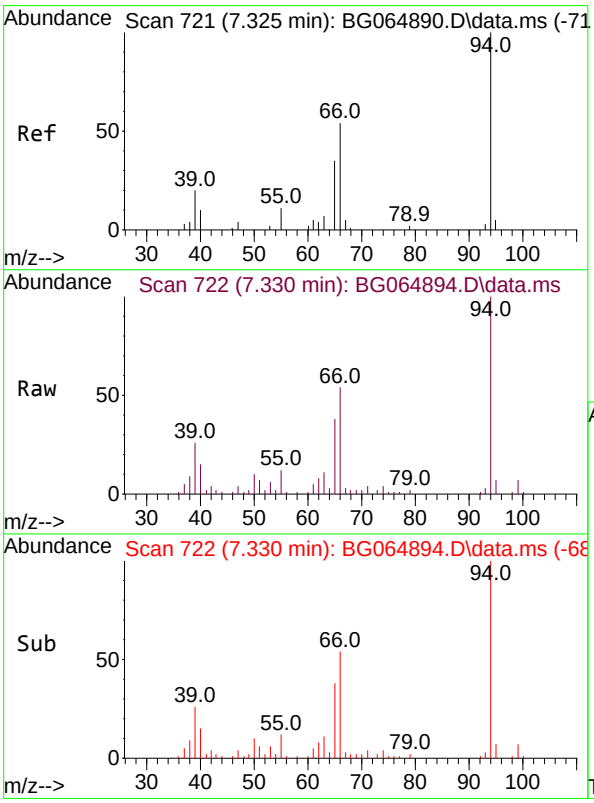


#6
Benzaldehyde
Concen: 4.013 ng/ul m
RT: 7.278 min Scan# 713
Delta R.T. -0.001 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion: 77 Resp: 3271

Ion	Ratio	Lower	Upper
77	100		
105	101.4	75.9	113.9
106	127.0	74.3	111.5#

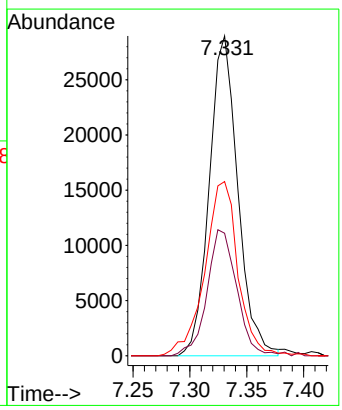




#8
Phenol
Concen: 29.257 ng/ul
RT: 7.330 min Scan# 722
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

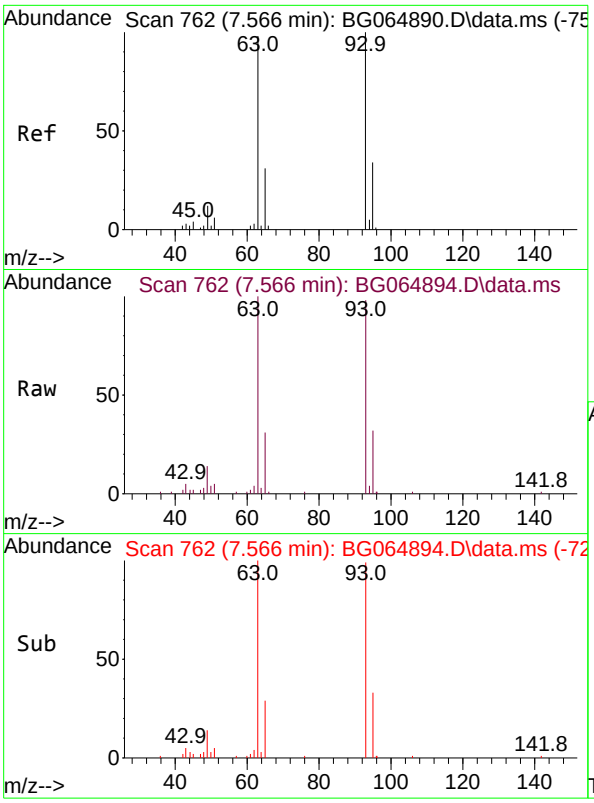
Tgt Ion: 94 Resp: 50683

Ion	Ratio	Lower	Upper
94	100		
65	38.3	27.5	41.3
66	54.5	38.5	57.7



Instrument :
BNA_G
ClientSampleId :
SLCS741

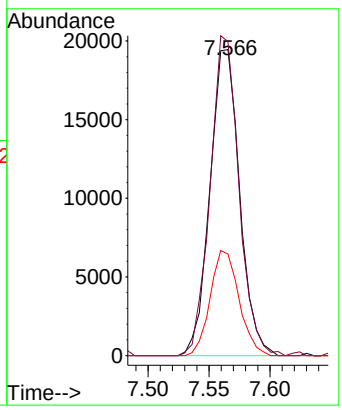
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#10
Bis(2-Chloroethyl)ether
Concen: 25.771 ng/ul
RT: 7.566 min Scan# 762
Delta R.T. 0.005 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

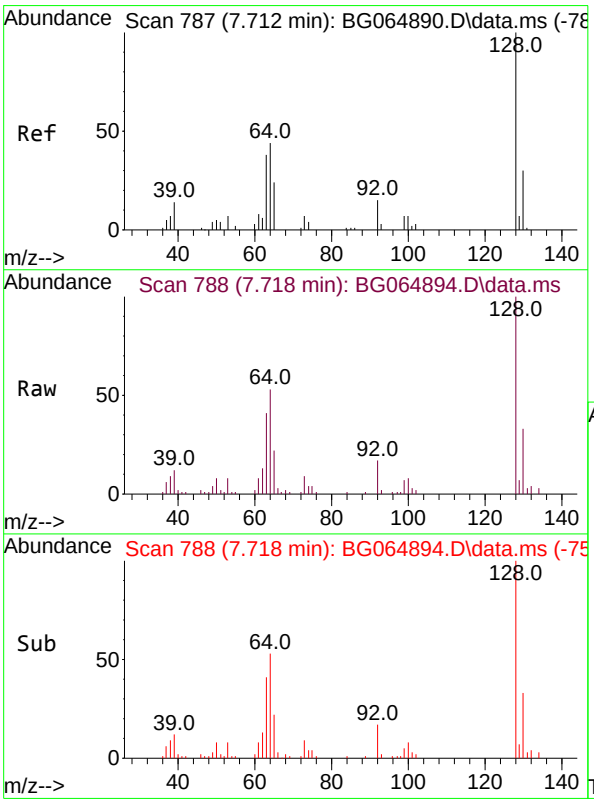
Tgt Ion: 93 Resp: 33016

Ion	Ratio	Lower	Upper
93	100		
63	102.5	81.4	122.2
95	33.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SLCS741

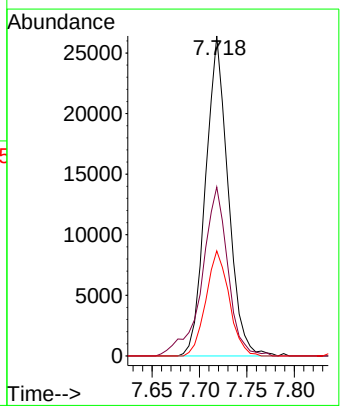
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

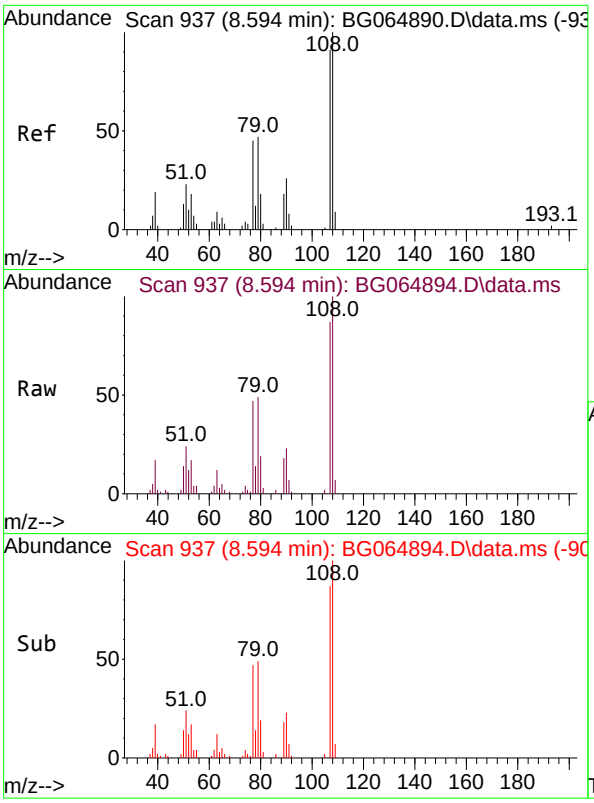


#12
2-Chlorophenol
Concen: 32.737 ng/ul
RT: 7.718 min Scan# 788
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:128 Resp: 43619

Ion	Ratio	Lower	Upper
128	100		
64	52.8	45.0	67.4
130	32.8	24.3	36.5

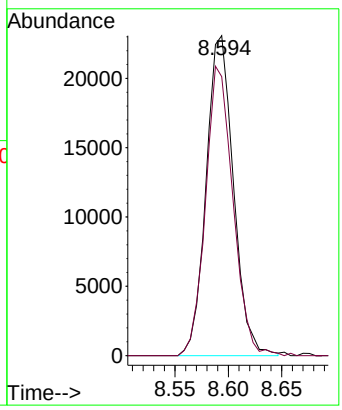




#13
2-Methylphenol
Concen: 30.001 ng/ul
RT: 8.594 min Scan# 937
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

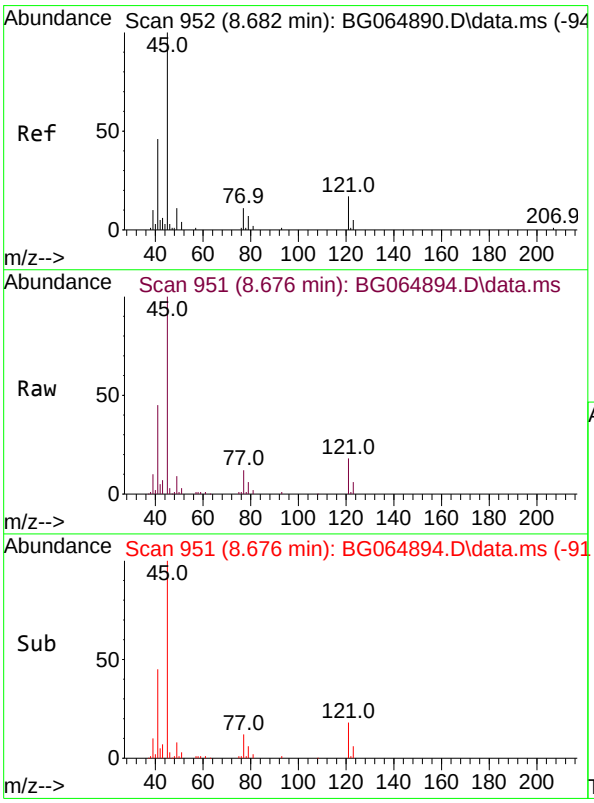
Tgt Ion:108 Resp: 41142

Ion	Ratio	Lower	Upper
108	100		
107	87.2	72.8	109.2



Instrument :
BNA_G
ClientSampleId :
SLCS741

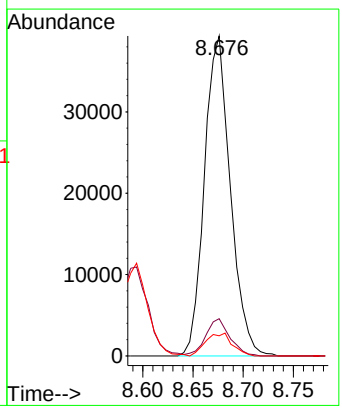
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

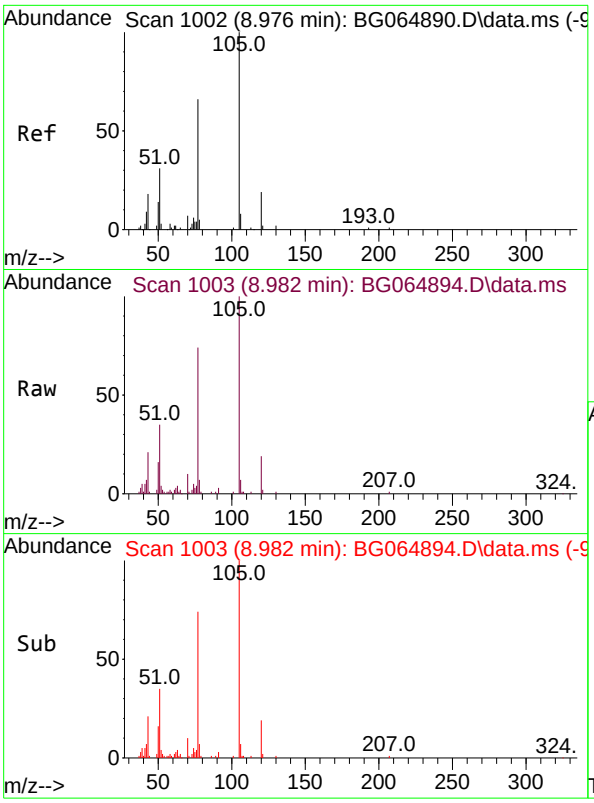


#14
2,2'-oxybis(1-Chloropropane)
Concen: 26.246 ng/ul
RT: 8.676 min Scan# 951
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion: 45 Resp: 70594

Ion	Ratio	Lower	Upper
45	100		
77	11.6	8.6	12.8
79	6.3	6.6	9.8#

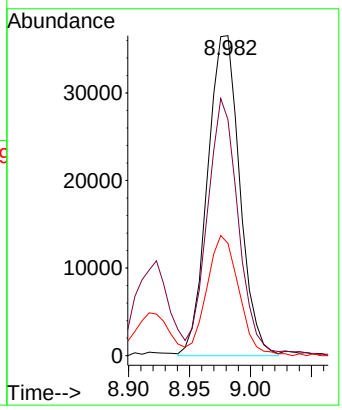




#16
Acetophenone
Concen: 28.583 ng/ul
RT: 8.982 min Scan# 1003
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

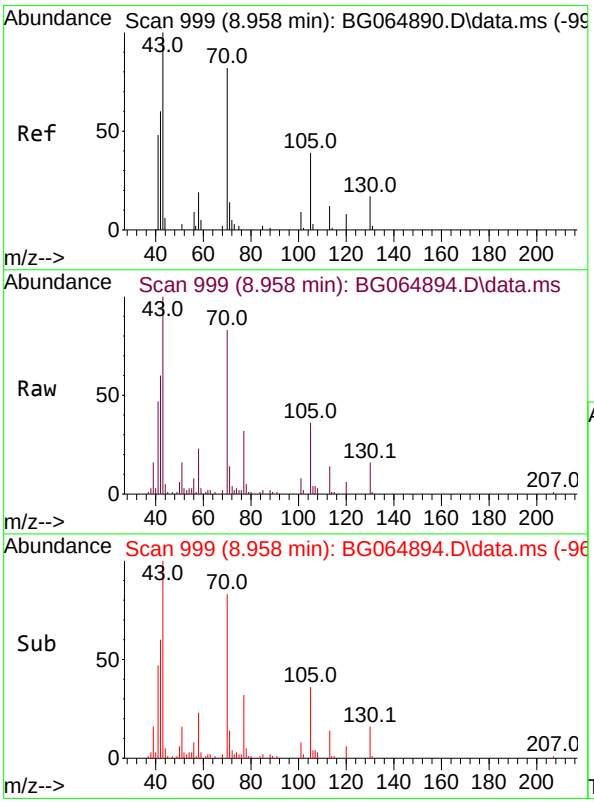
Tgt Ion:105 Resp: 67245

Ion	Ratio	Lower	Upper
105	100		
77	73.7	61.4	92.2
51	35.1	25.6	38.4



Instrument :
BNA_G
ClientSampleId :
SLCS741

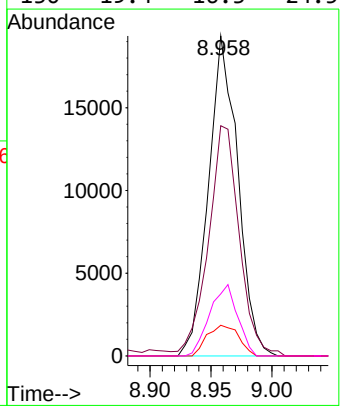
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

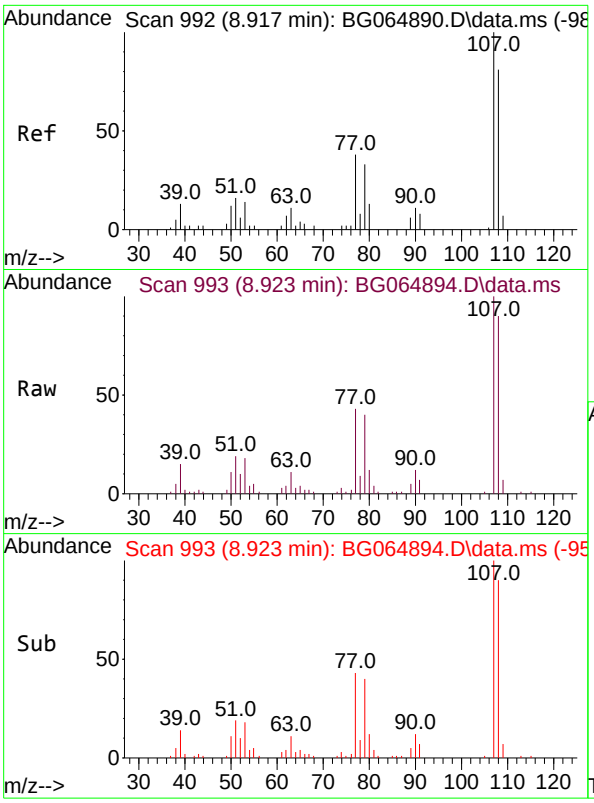


#17
N-Nitroso-di-n-propylamine
Concen: 28.727 ng/ul
RT: 8.958 min Scan# 999
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion: 70 Resp: 32420

Ion	Ratio	Lower	Upper
70	100		
42	71.9	53.0	79.4
101	9.6	8.8	13.2
130	19.4	16.3	24.5

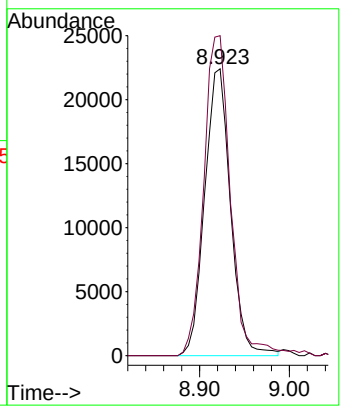




#18
4-Methylphenol
Concen: 29.899 ng/ul
RT: 8.923 min Scan# 993
Delta R.T. 0.010 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

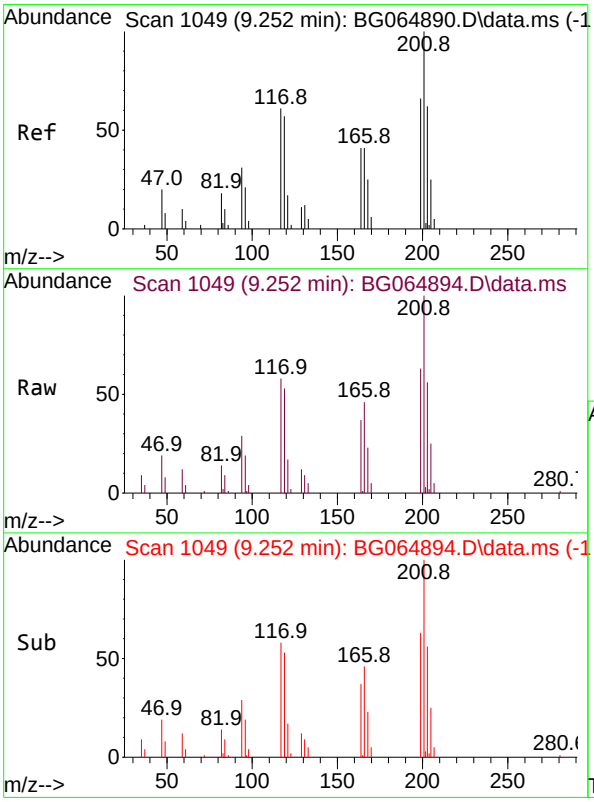
Tgt Ion:108 Resp: 44985

Ion	Ratio	Lower	Upper
108	100		
107	111.6	80.8	121.2



Instrument :
BNA_G
ClientSampleId :
SLCS741

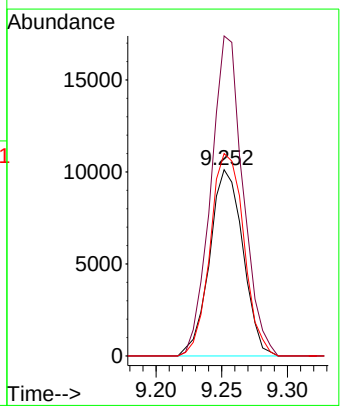
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

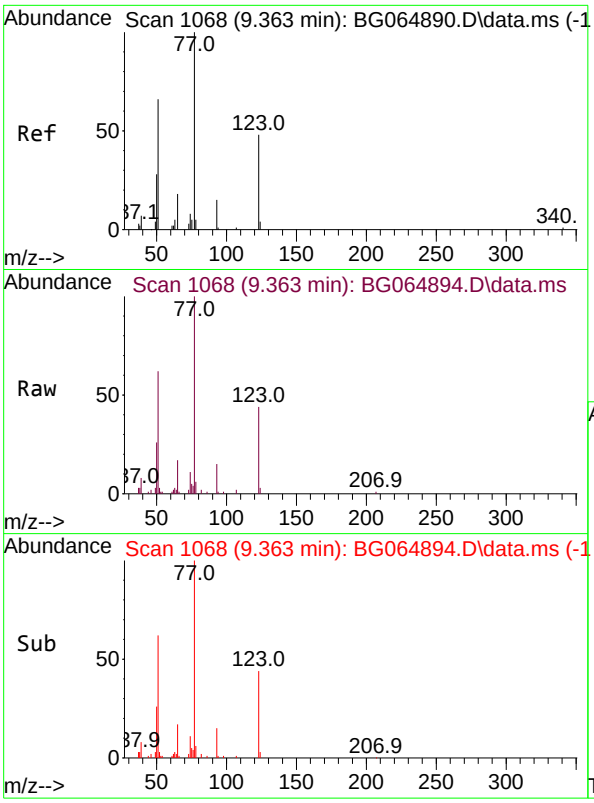


#19
Hexachloroethane
Concen: 30.015 ng/ul
RT: 9.252 min Scan# 1049
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:117 Resp: 17848

Ion	Ratio	Lower	Upper
117	100		
201	177.3	121.7	182.5
199	108.7	81.0	121.4

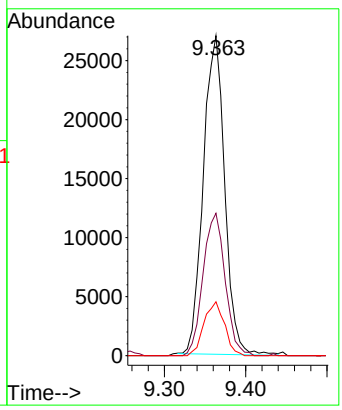




#22
Nitrobenzene
Concen: 31.257 ng/ul
RT: 9.363 min Scan# 1068
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

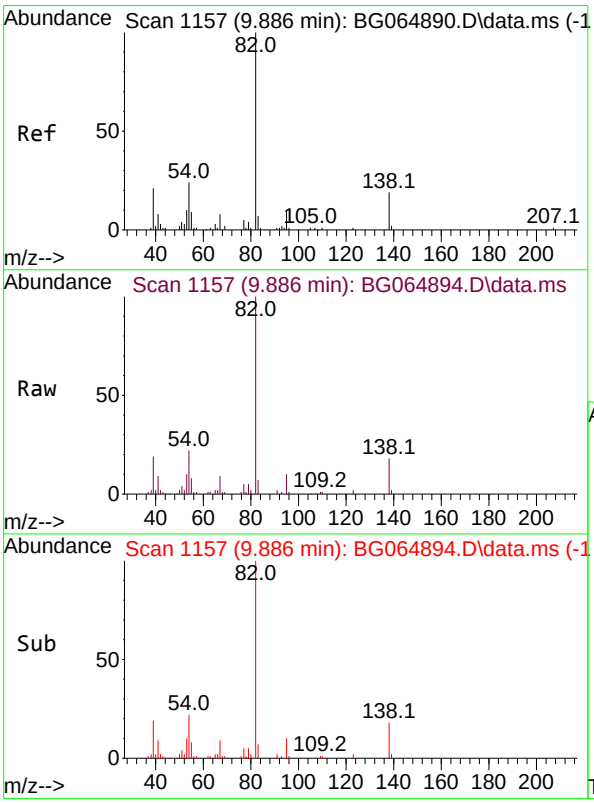
Tgt Ion: 77 Resp: 49442

Ion	Ratio	Lower	Upper
77	100		
123	44.5	35.4	53.0
65	16.8	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SLCS741

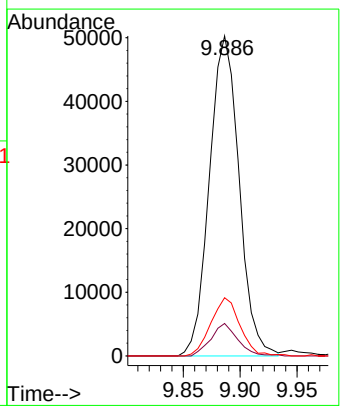
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

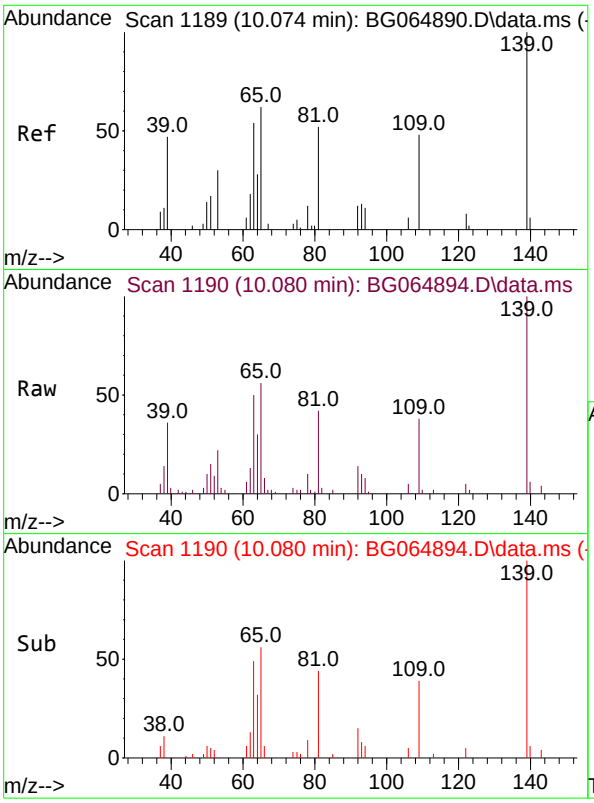


#23
Isophorone
Concen: 29.432 ng/ul
RT: 9.886 min Scan# 1157
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion: 82 Resp: 91202

Ion	Ratio	Lower	Upper
82	100		
95	10.1	6.2	9.2#
138	18.2	12.7	19.1

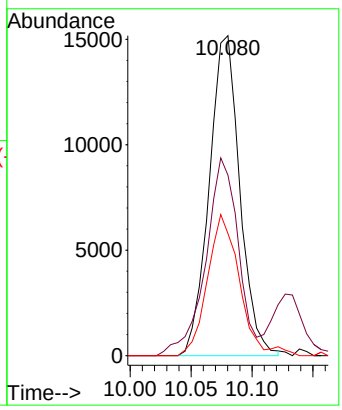




#25
2-Nitrophenol
Concen: 34.579 ng/ul
RT: 10.080 min Scan# 1190
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

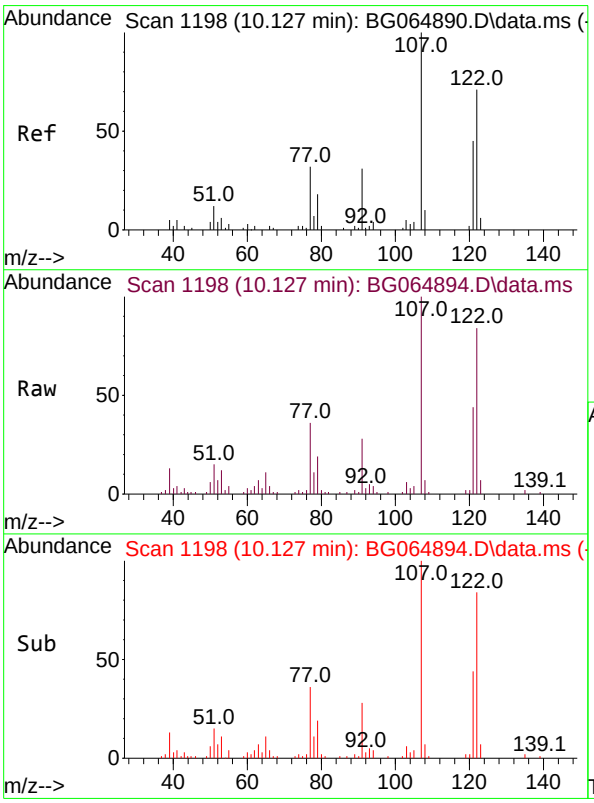
Tgt Ion:139 Resp: 26592

Ion	Ratio	Lower	Upper
139	100		
65	56.4	46.5	69.7
109	38.1	27.0	40.4



Instrument :
BNA_G
ClientSampleId :
SLCS741

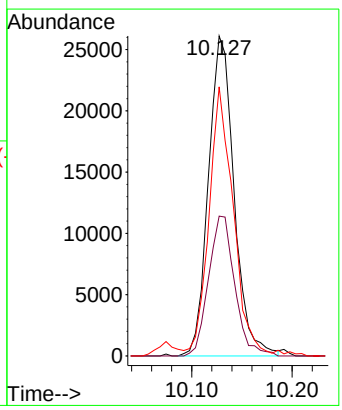
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

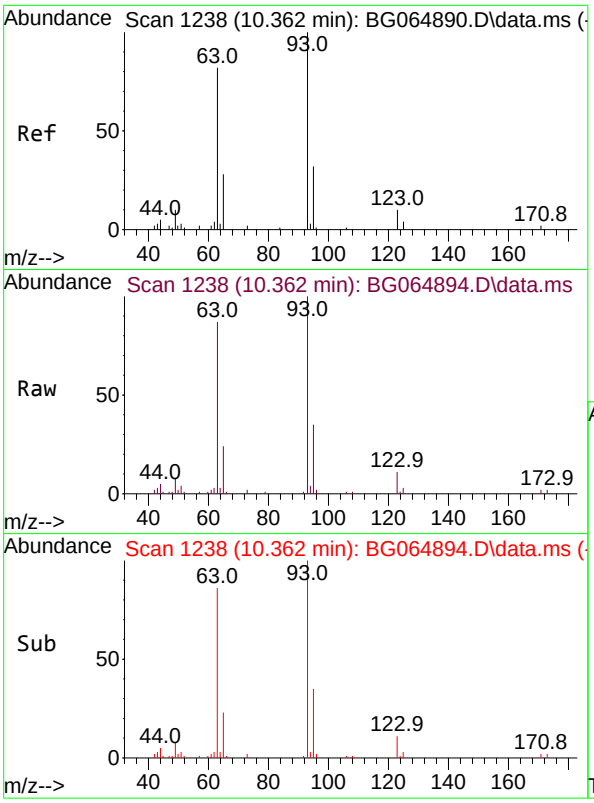


#26
2,4-Dimethylphenol
Concen: 28.018 ng/ul
RT: 10.127 min Scan# 1198
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:107 Resp: 46410

Ion	Ratio	Lower	Upper
107	100		
121	43.7	37.9	56.9
122	84.1	63.1	94.7

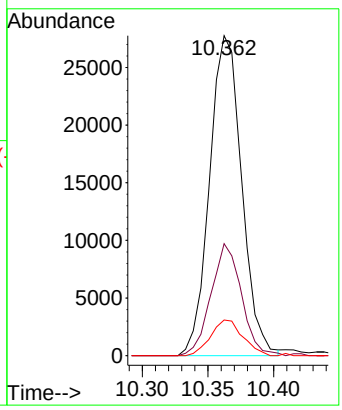




#27
Bis(2-Chloroethoxy)methane
Concen: 27.221 ng/ul
RT: 10.362 min Scan# 1238
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

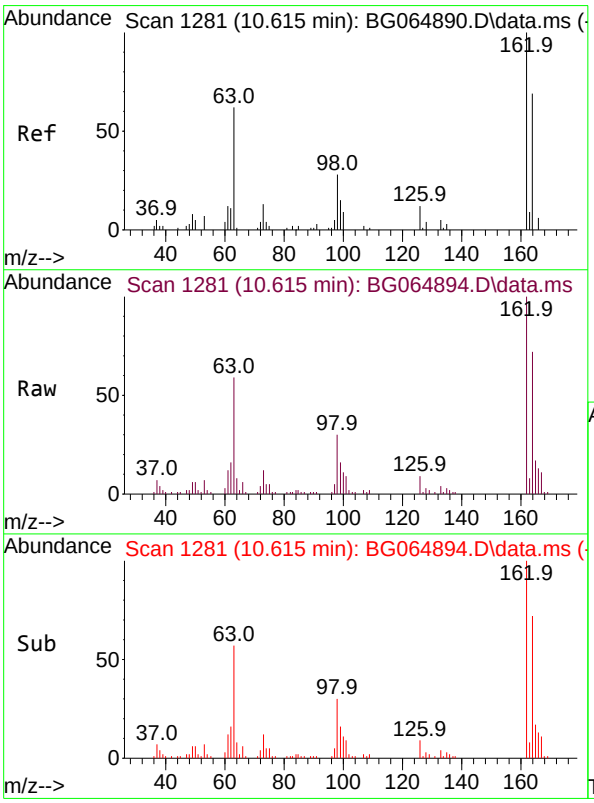
Tgt Ion: 93 Resp: 47305

Ion	Ratio	Lower	Upper
93	100		
95	35.0	25.1	37.7
123	11.1	7.0	10.4#



Instrument :
BNA_G
ClientSampleId :
SLCS741

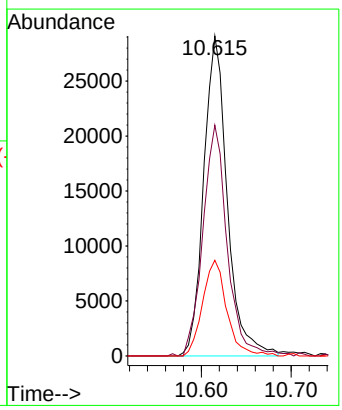
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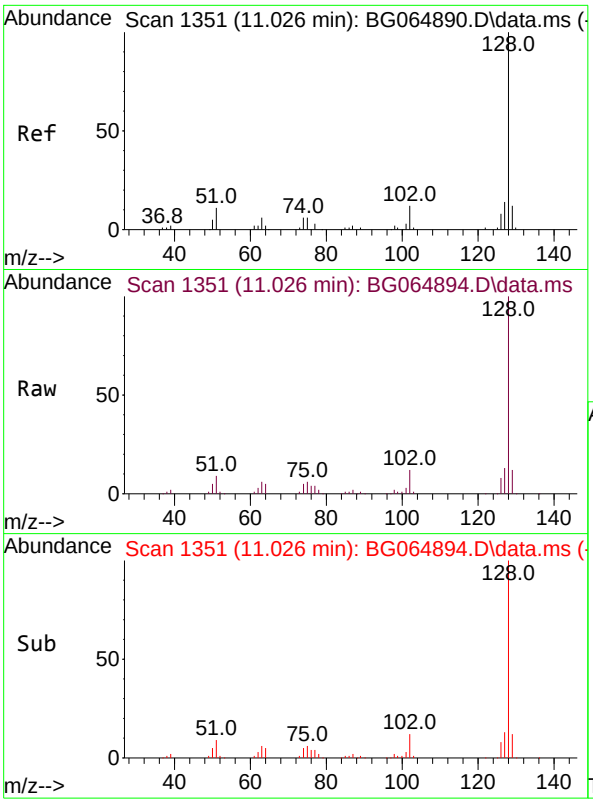


#29
2,4-Dichlorophenol
Concen: 37.822 ng/ul
RT: 10.615 min Scan# 1281
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:162 Resp: 53201

Ion	Ratio	Lower	Upper
162	100		
164	72.1	53.8	80.8
98	29.9	26.0	39.0

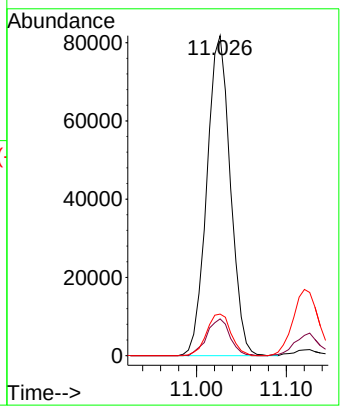


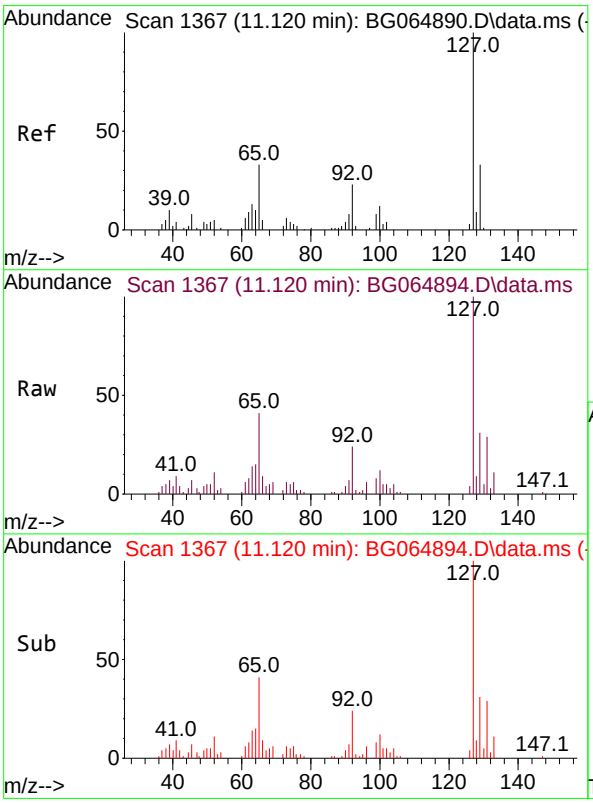


#30
Naphthalene
Concen: 31.660 ng/ul
RT: 11.026 min Scan# 1351
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:128 Resp: 148562

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.0	10.0	15.0

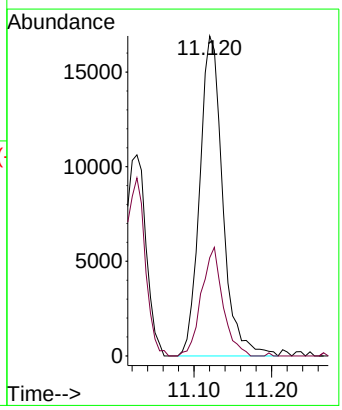




#32
4-Chloroaniline
Concen: 17.697 ng/ul
RT: 11.120 min Scan# 1367
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

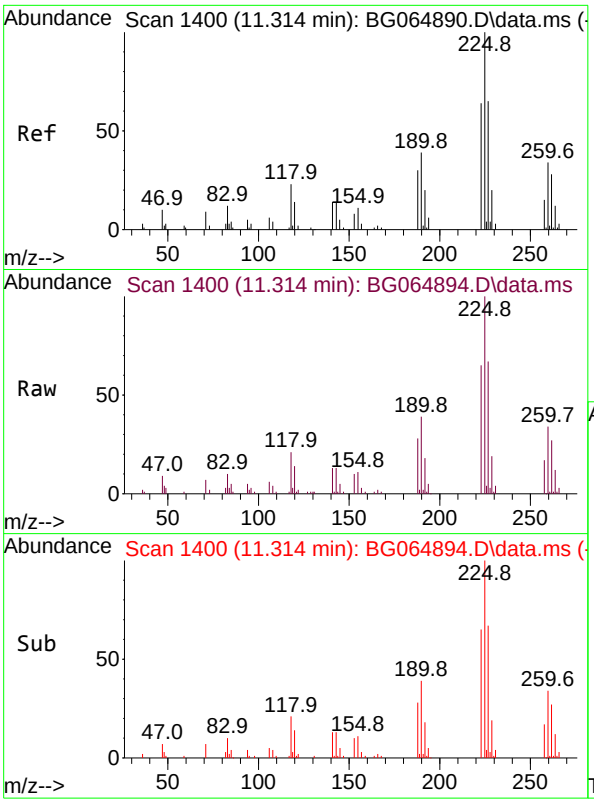
Tgt Ion:127 Resp: 34723

Ion	Ratio	Lower	Upper
127	100		
129	30.7	27.0	40.6



Instrument :
BNA_G
ClientSampleId :
SLCS741

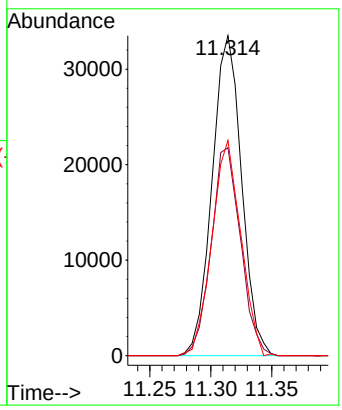
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#33
Hexachlorobutadiene
Concen: 38.207 ng/ul
RT: 11.314 min Scan# 1400
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

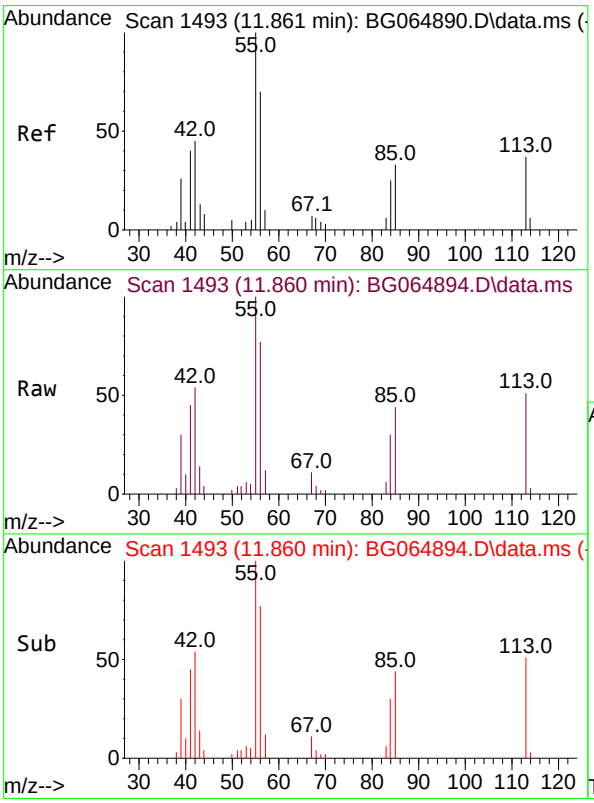
Tgt Ion:225 Resp: 56371

Ion	Ratio	Lower	Upper
225	100		
223	65.0	47.0	70.4
227	69.7	49.8	74.8



Instrument :
BNA_G
ClientSampleId :
SLCS741

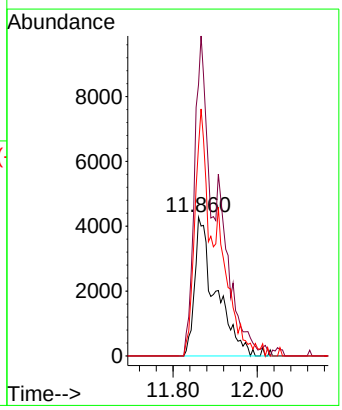
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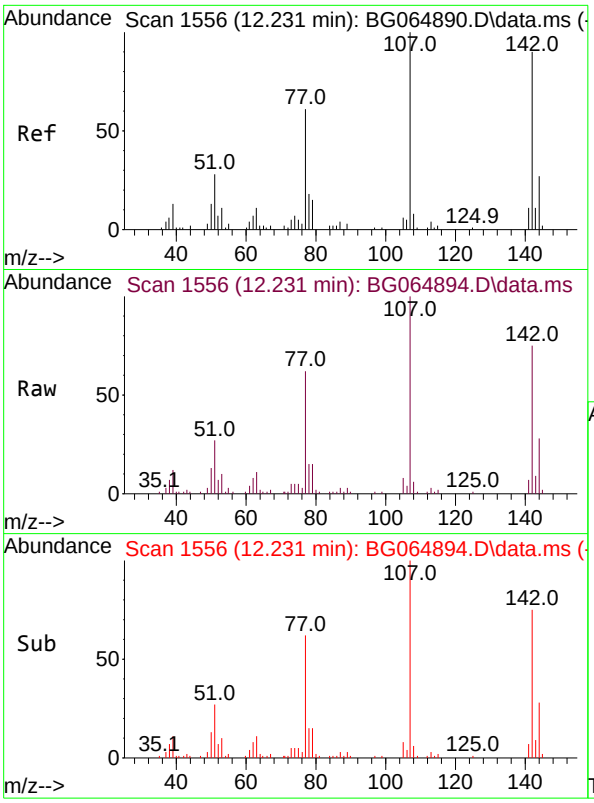


#34
Caprolactam
Concen: 30.543 ng/ul m
RT: 11.860 min Scan# 1493
Delta R.T. -0.008 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:113 Resp: 15012

Ion	Ratio	Lower	Upper
113	100		
55	195.6	187.9	281.9
56	150.9	127.5	191.3

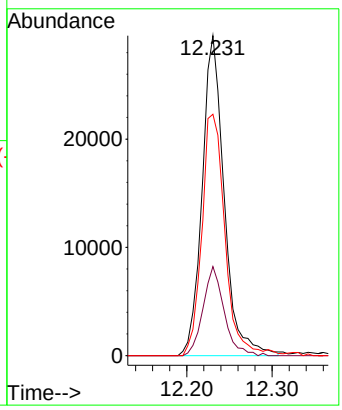


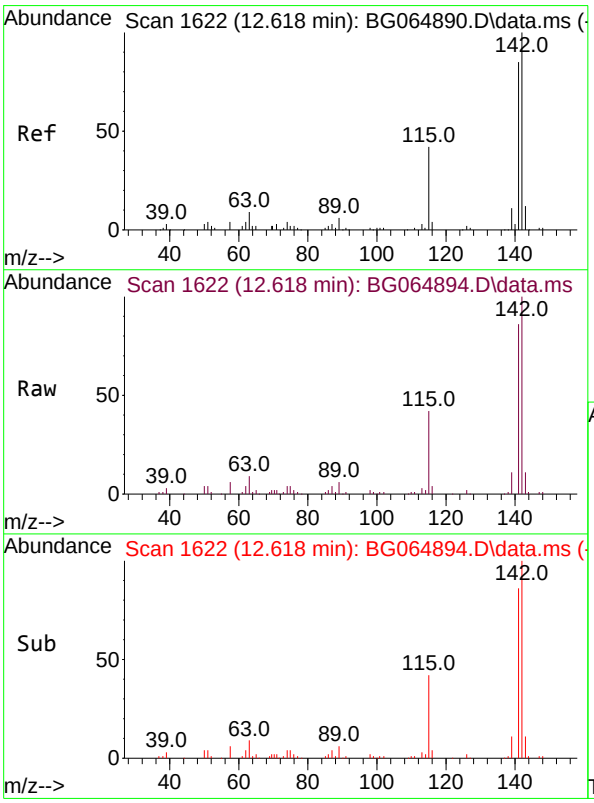


#35
4-Chloro-3-methylphenol
Concen: 34.639 ng/ul
RT: 12.231 min Scan# 1556
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:107 Resp: 53059

Ion	Ratio	Lower	Upper
107	100		
144	27.8	18.6	27.8
142	75.4	66.2	99.2

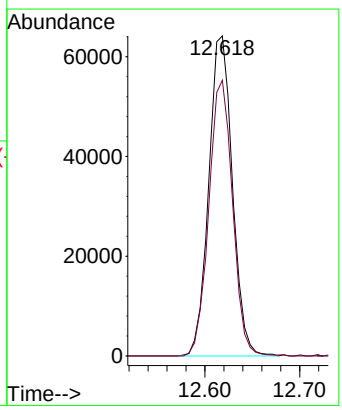




#36
2-Methylnaphthalene
Concen: 31.640 ng/ul
RT: 12.618 min Scan# 1622
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

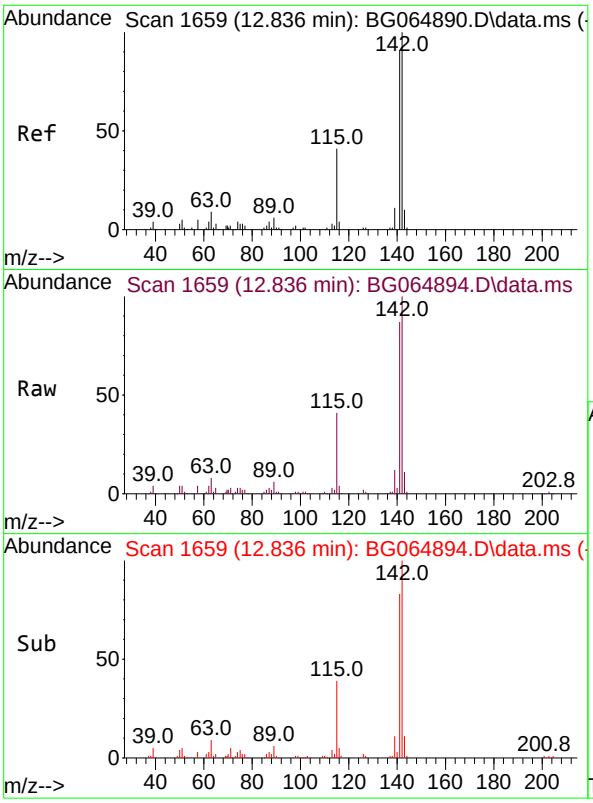
Tgt Ion:142 Resp: 111260

Ion	Ratio	Lower	Upper
142	100		
141	86.1	69.7	104.5



Instrument :
BNA_G
ClientSampleId :
SLCS741

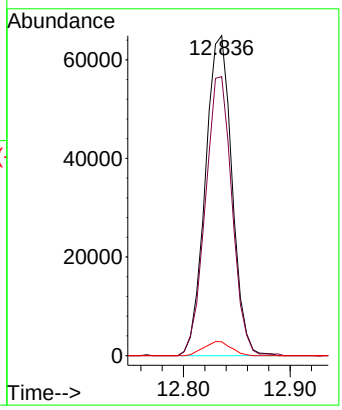
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#37
1-Methylnaphthalene
Concen: 32.780 ng/ul
RT: 12.836 min Scan# 1659
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

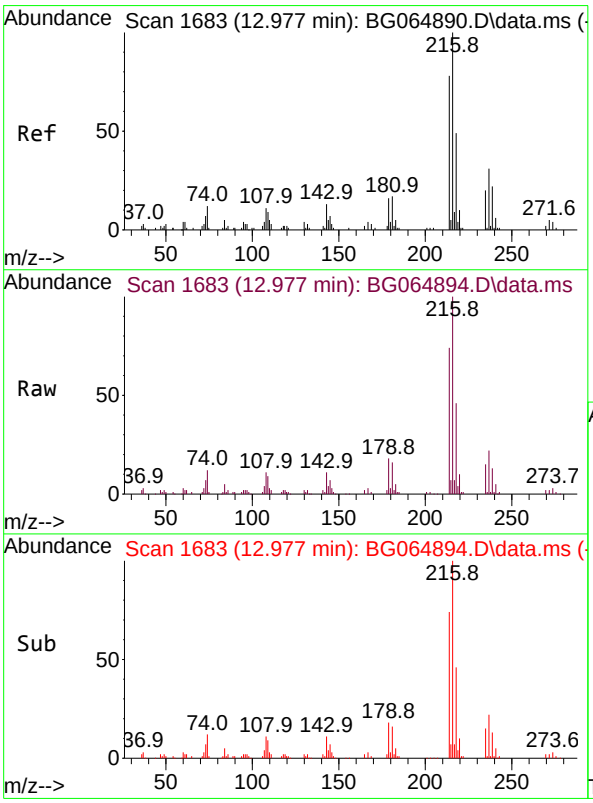
Tgt Ion:142 Resp: 112824

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.3	105.5
116	4.3	3.2	4.8



Instrument :
BNA_G
ClientSampleId :
SLCS741

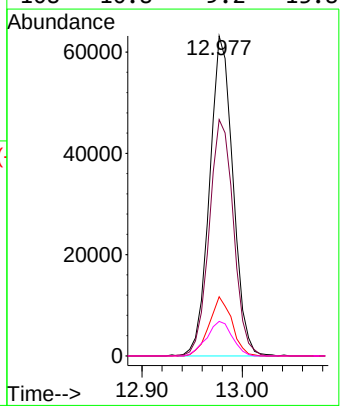
Manual Integrations APPROVED
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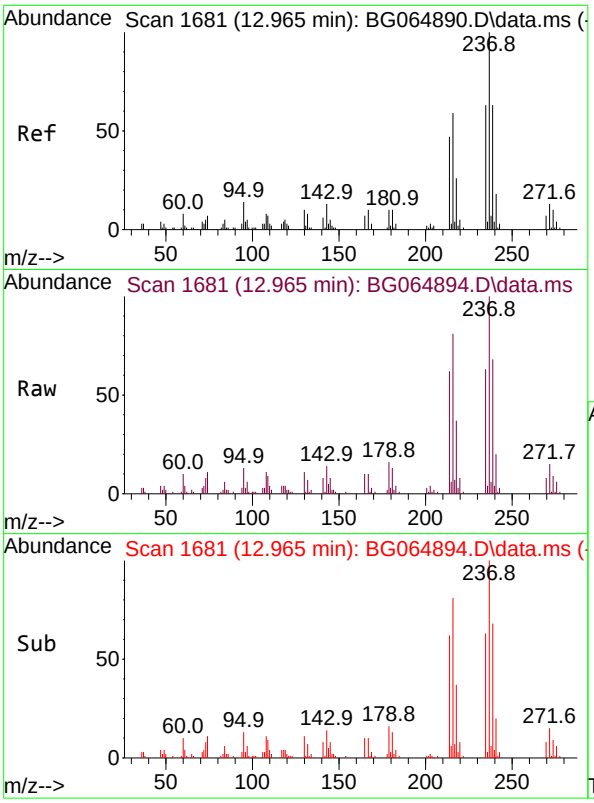


#39
1,2,4,5-Tetrachlorobenzene
Concen: 36.802 ng/ul
RT: 12.977 min Scan# 1683
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:216 Resp: 102463

Ion	Ratio	Lower	Upper
216	100		
214	73.8	63.5	95.3
179	18.5	14.7	22.1
108	10.8	9.2	13.8

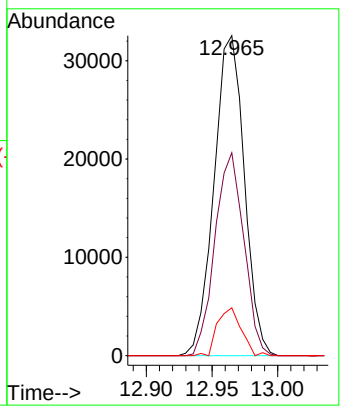




#40
Hexachlorocyclopentadiene
Concen: 27.117 ng/ul
RT: 12.965 min Scan# 1681
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

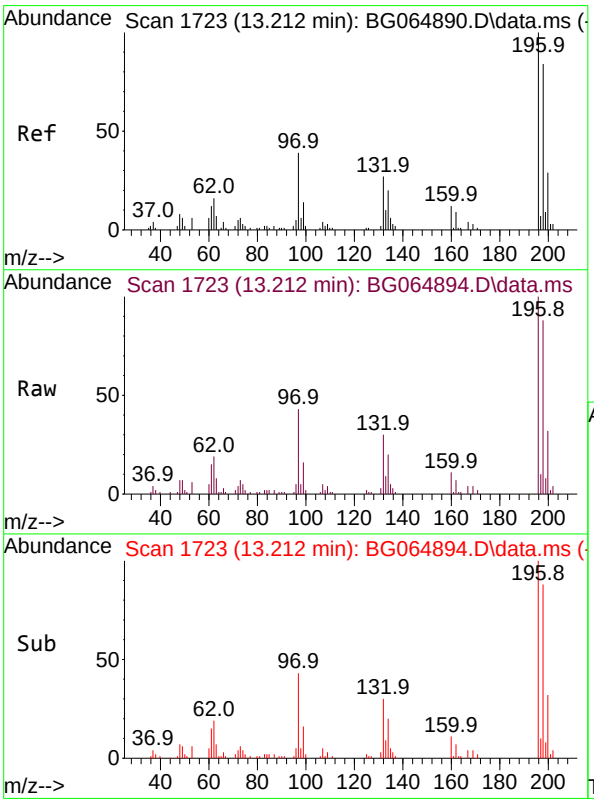
Tgt Ion:237 Resp: 52305

Ion	Ratio	Lower	Upper
237	100		
235	63.4	45.7	68.5
272	14.9	10.7	16.1



Instrument :
BNA_G
ClientSampleId :
SLCS741

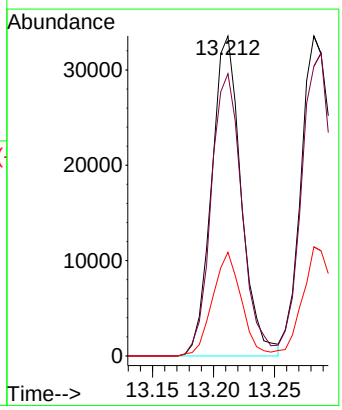
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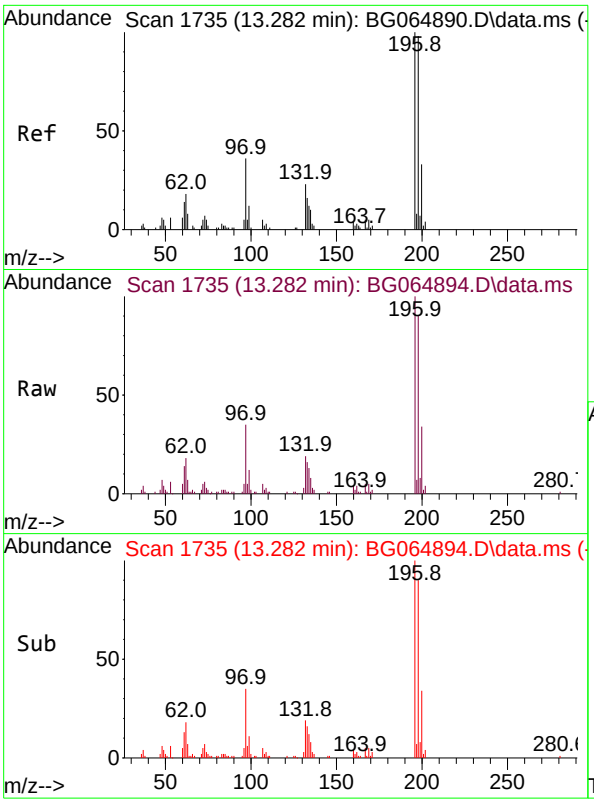


#41
2,4,6-Trichlorophenol
Concen: 36.827 ng/ul
RT: 13.212 min Scan# 1723
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:196 Resp: 56679

Ion	Ratio	Lower	Upper
196	100		
198	88.2	79.5	119.3
200	32.4	28.1	42.1

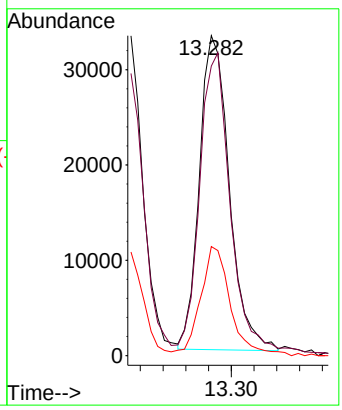




#42
2,4,5-Trichlorophenol
Concen: 37.157 ng/ul
RT: 13.282 min Scan# 1735
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

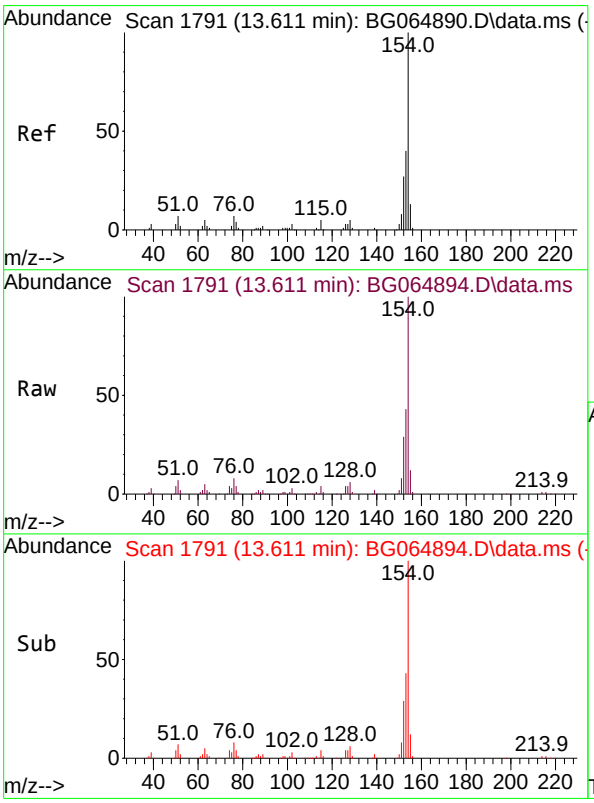
Tgt Ion:196 Resp: 60257

Ion	Ratio	Lower	Upper
196	100		
198	90.5	72.1	108.1
200	34.1	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SLCS741

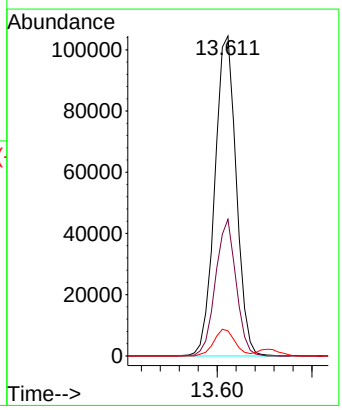
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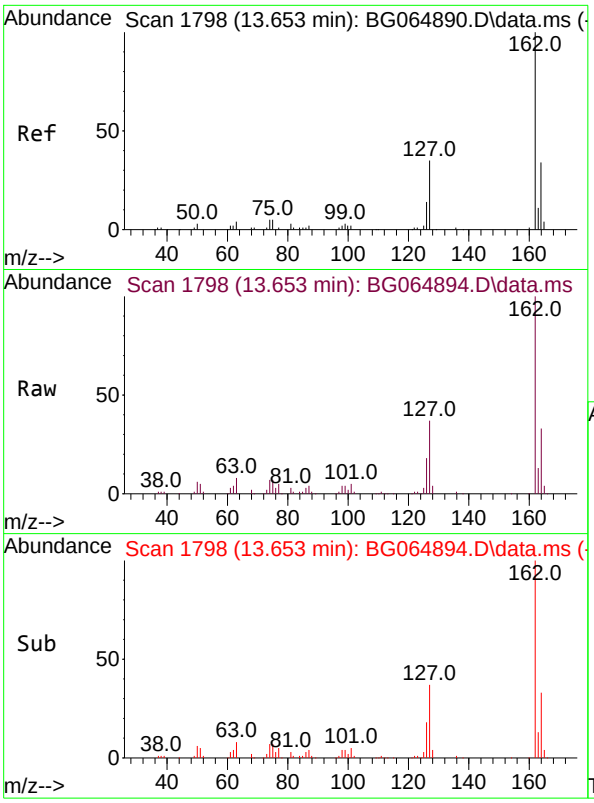


#43
1,1'-Biphenyl
Concen: 32.183 ng/ul
RT: 13.611 min Scan# 1791
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:154 Resp: 164193

Ion	Ratio	Lower	Upper
154	100		
153	42.7	33.0	49.4
76	7.8	8.7	13.1#

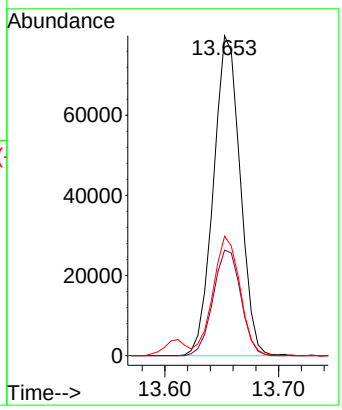


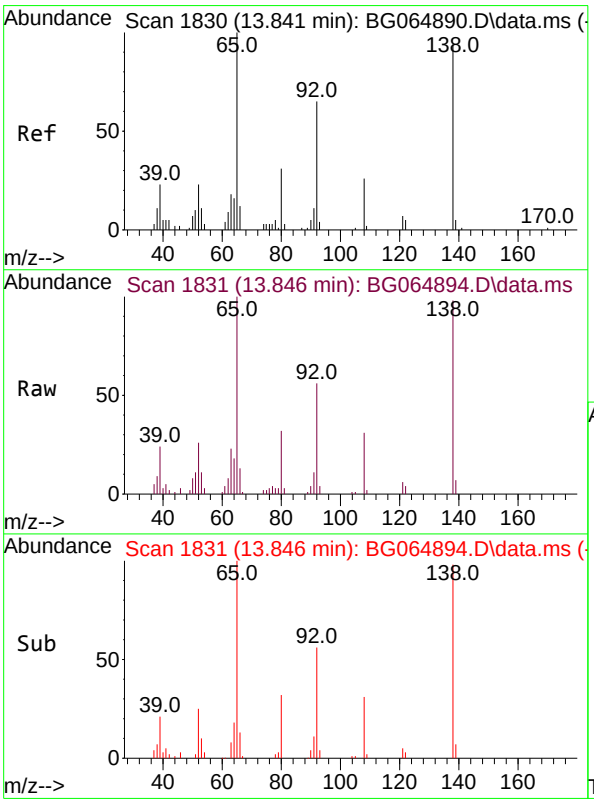


#44
2-Chloronaphthalene
Concen: 32.477 ng/ul
RT: 13.653 min Scan# 1798
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:162 Resp: 130074

Ion	Ratio	Lower	Upper
162	100		
164	33.0	26.9	40.3
127	37.3	30.2	45.4

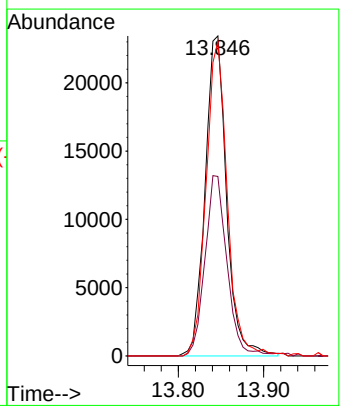




#45
2-Nitroaniline
Concen: 34.378 ng/ul
RT: 13.846 min Scan# 1831
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

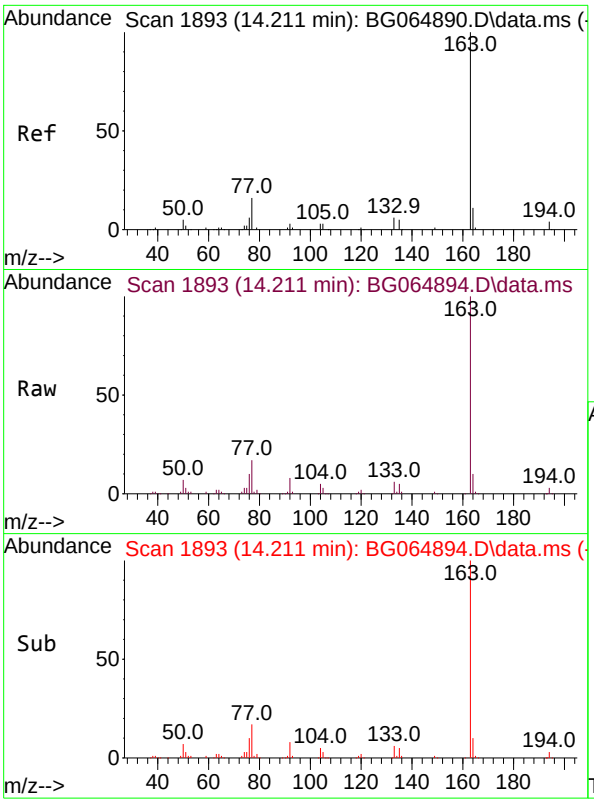
Tgt Ion: 65 Resp: 40932

Ion	Ratio	Lower	Upper
65	100		
92	56.1	45.2	67.8
138	98.3	78.6	117.8



Instrument :
BNA_G
ClientSampleId :
SLCS741

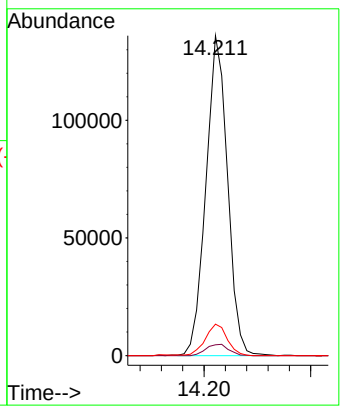
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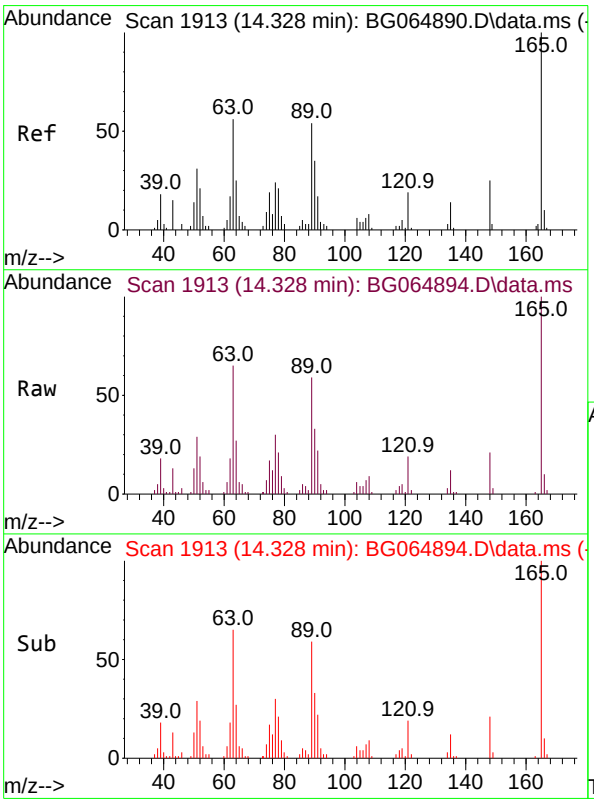


#47
Dimethylphthalate
Concen: 32.865 ng/ul
RT: 14.211 min Scan# 1893
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:163 Resp: 191182

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.3	4.9
164	9.8	7.9	11.9

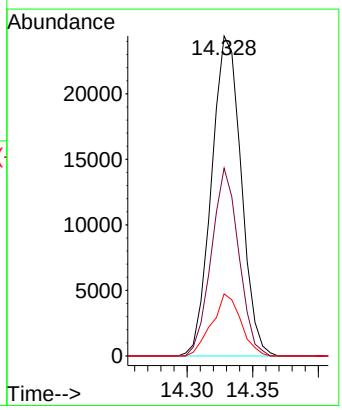




#48
2,6-Dinitrotoluene
Concen: 35.902 ng/ul
RT: 14.328 min Scan# 1913
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

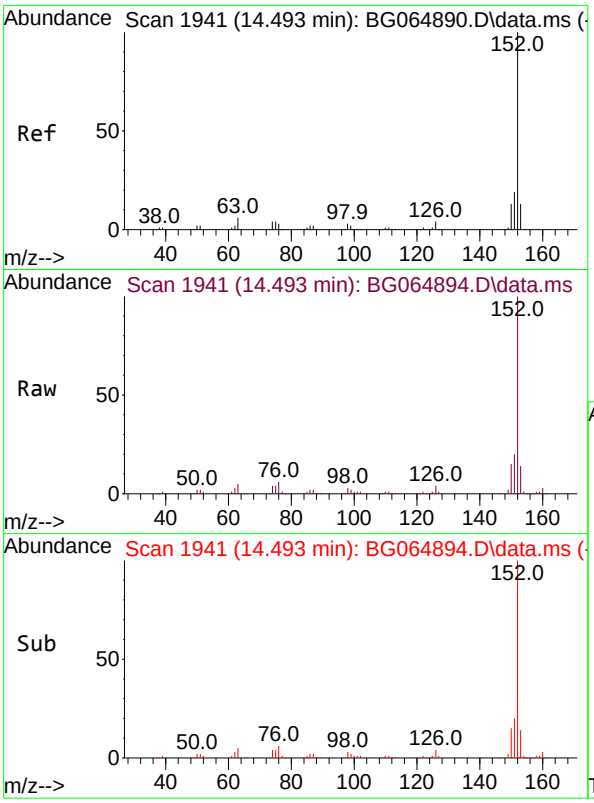
Tgt Ion:165 Resp: 38322

Ion	Ratio	Lower	Upper
165	100		
89	58.7	39.9	59.9
121	19.4	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SLCS741

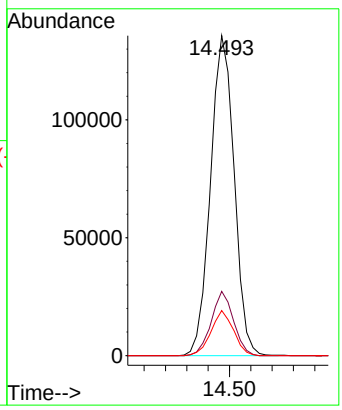
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#50
Acenaphthylene
Concen: 30.008 ng/ul
RT: 14.493 min Scan# 1941
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

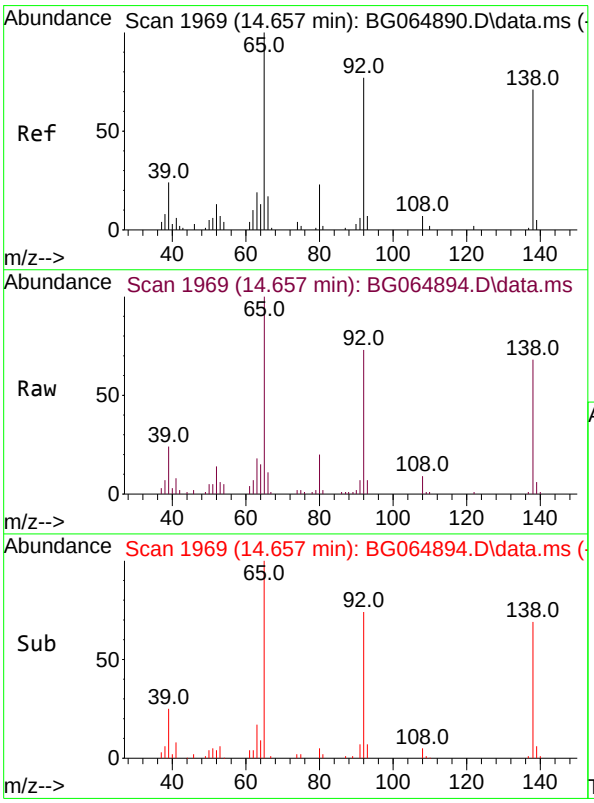
Tgt Ion:152 Resp: 209582

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.1	22.7
153	14.1	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SLCS741

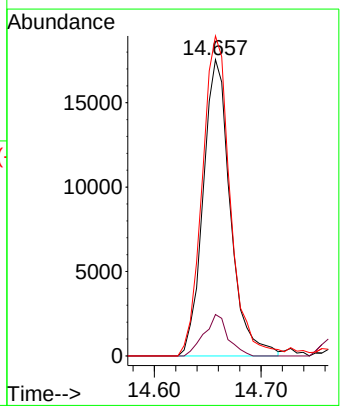
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

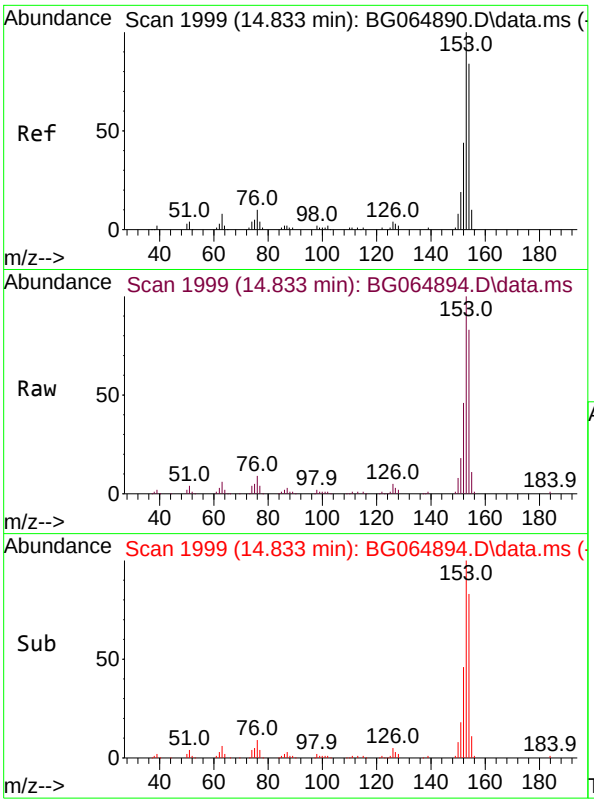


#51
3-Nitroaniline
Concen: 33.655 ng/ul
RT: 14.657 min Scan# 1969
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:138 Resp: 31157

Ion	Ratio	Lower	Upper
138	100		
108	14.0	9.8	14.8
92	108.0	91.4	137.2

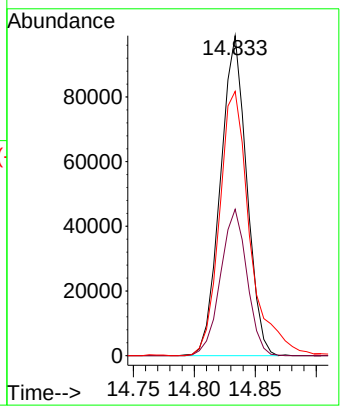




#52
Acenaphthene
Concen: 32.427 ng/ul
RT: 14.833 min Scan# 1999
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

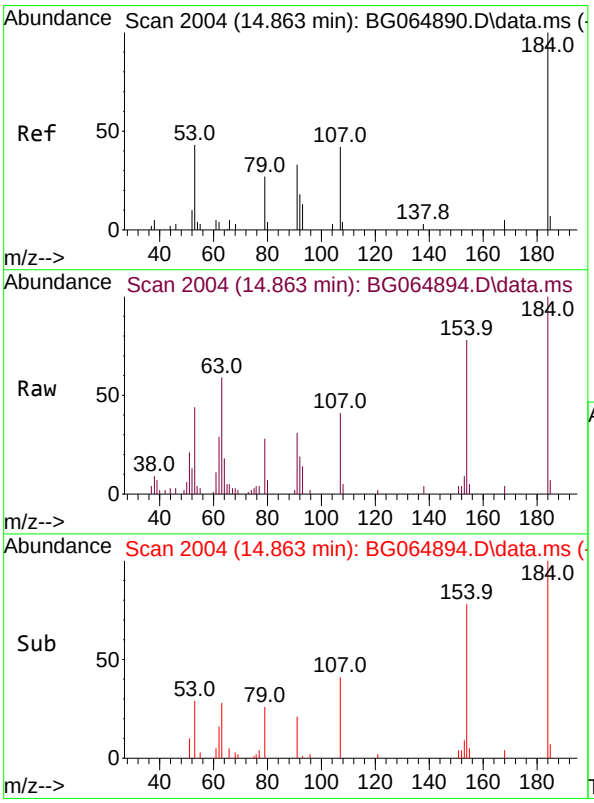
Tgt Ion:153 Resp: 148504

Ion	Ratio	Lower	Upper
153	100		
152	45.7	37.8	56.8
154	82.6	68.2	102.2



Instrument :
BNA_G
ClientSampleId :
SLCS741

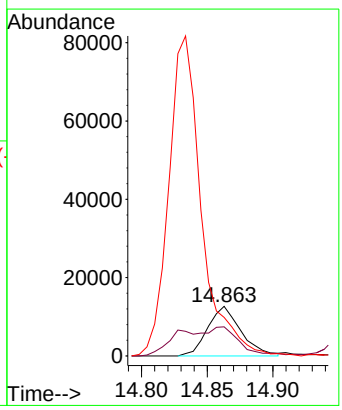
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

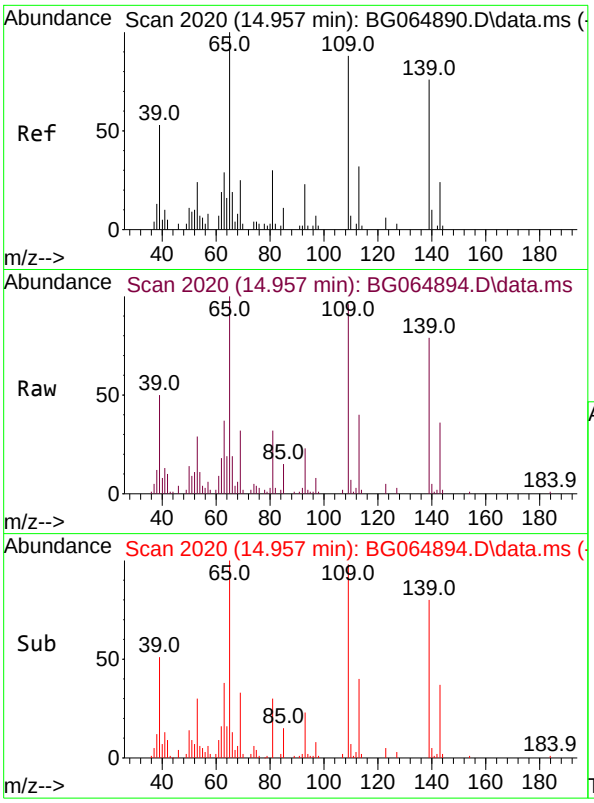


#53
2,4-Dinitrophenol
Concen: 35.413 ng/ul
RT: 14.863 min Scan# 2004
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:184 Resp: 22229

Ion	Ratio	Lower	Upper
184	100		
63	58.8	41.1	61.7
154	77.9	55.4	83.0

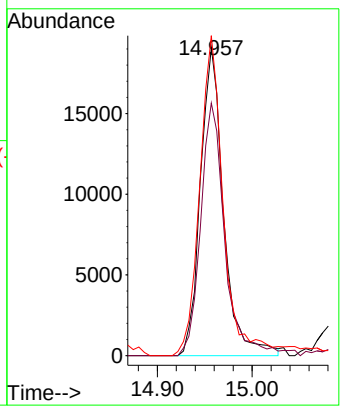




#55
4-Nitrophenol
Concen: 40.354 ng/ul
RT: 14.957 min Scan# 2020
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

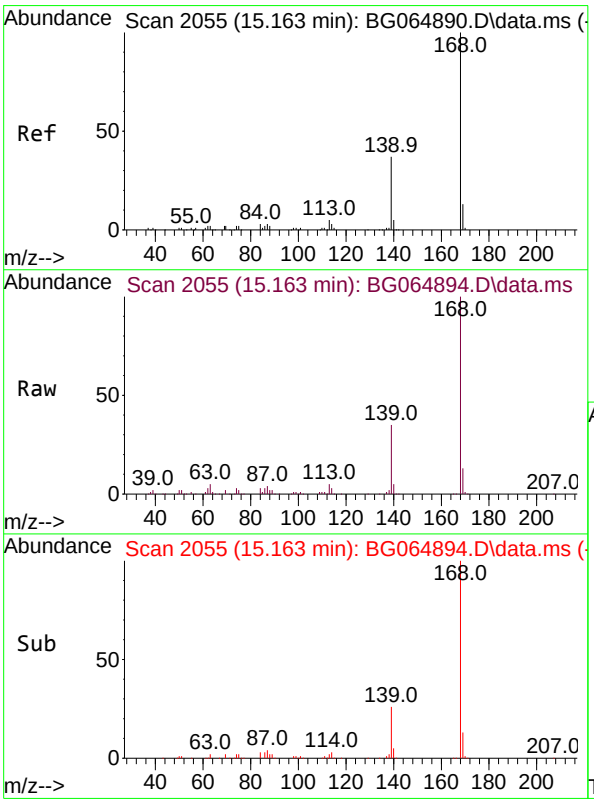
Tgt Ion:109 Resp: 32238

Ion	Ratio	Lower	Upper
109	100		
139	82.0	88.6	132.8#
65	103.9	94.2	141.4



Instrument :
BNA_G
ClientSampleId :
SLCS741

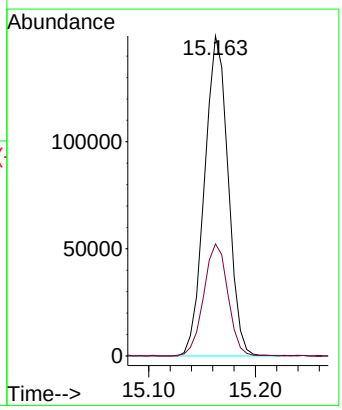
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

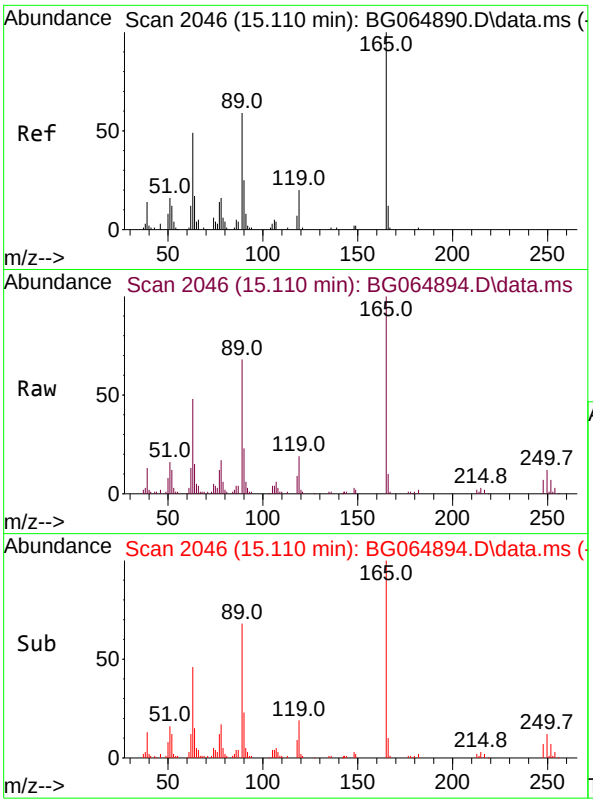


#56
Dibenzofuran
Concen: 32.813 ng/ul
RT: 15.163 min Scan# 2055
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:168 Resp: 229371

Ion	Ratio	Lower	Upper
168	100		
139	35.0	28.2	42.4

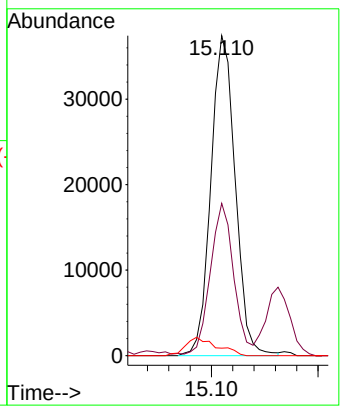




#57
2,4-Dinitrotoluene
Concen: 36.648 ng/ul
RT: 15.110 min Scan# 2046
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

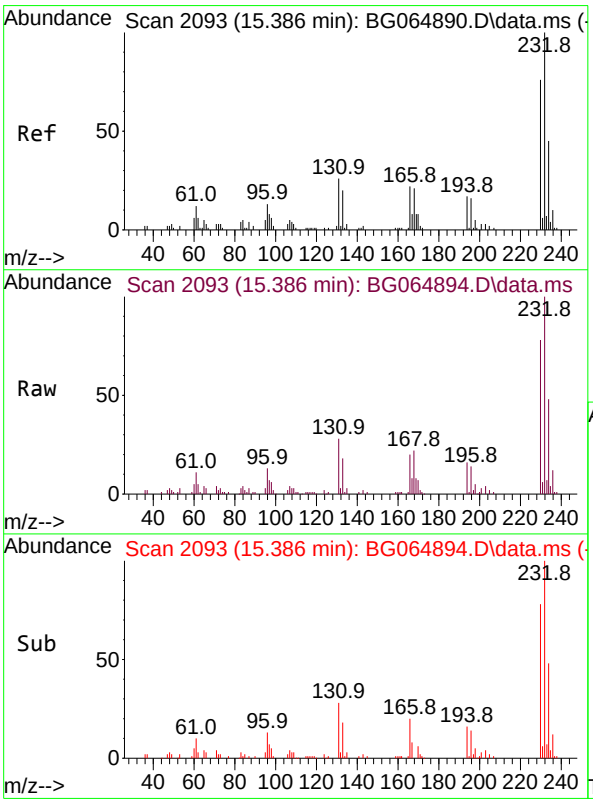
Tgt Ion:165 Resp: 59515

Ion	Ratio	Lower	Upper
165	100		
63	47.6	35.5	53.3
182	2.3	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SLCS741

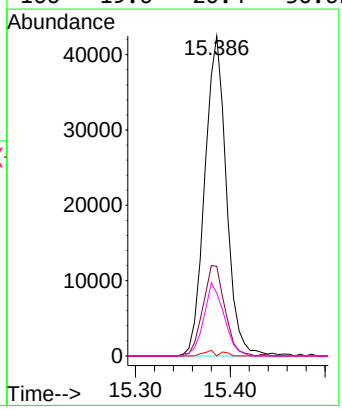
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

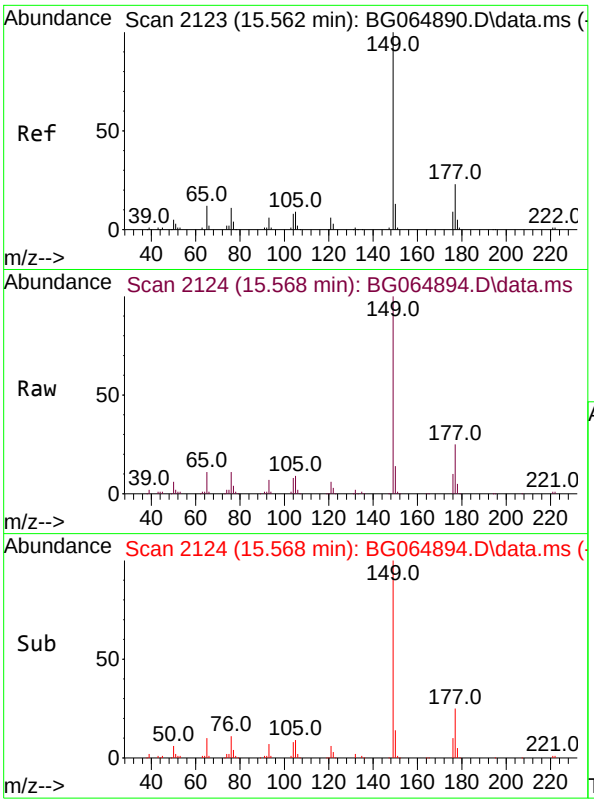


#58
2,3,4,6-Tetrachlorophenol
Concen: 36.665 ng/ul
RT: 15.386 min Scan# 2093
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:232 Resp: 67330

Ion	Ratio	Lower	Upper
232	100		
131	28.0	24.9	37.3
130	0.0	1.4	2.0#
166	19.6	20.4	30.6#

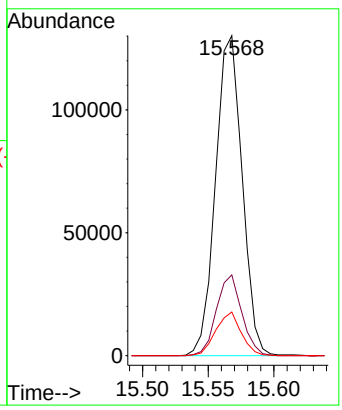


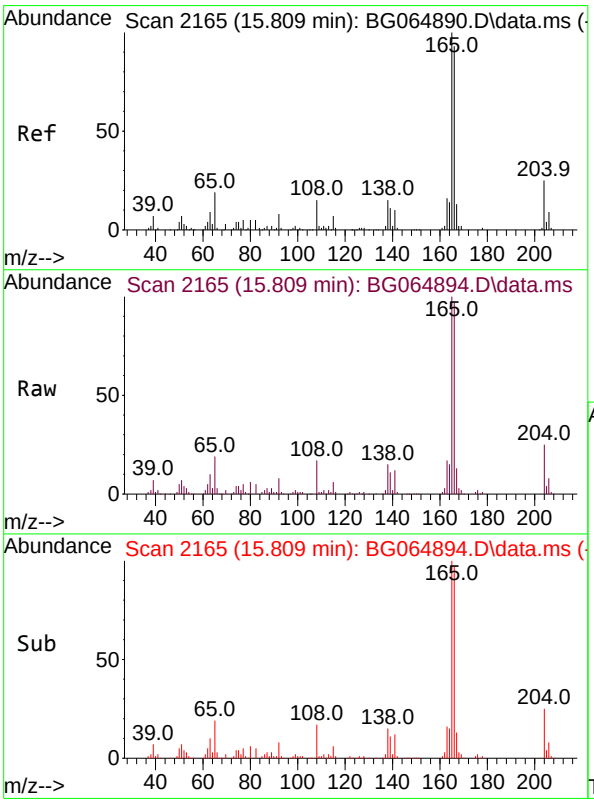


#59
Diethylphthalate
Concen: 32.150 ng/ul
RT: 15.568 min Scan# 2124
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:149 Resp: 183677

Ion	Ratio	Lower	Upper
149	100		
177	25.2	18.7	28.1
150	13.6	9.9	14.9

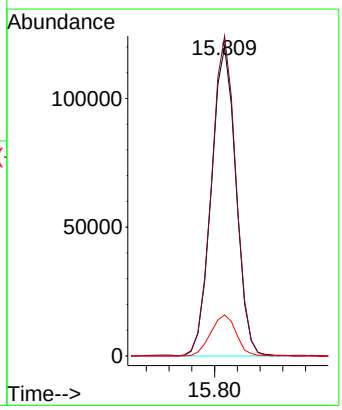




#61
Fluorene
Concen: 32.858 ng/ul
RT: 15.809 min Scan# 2165
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

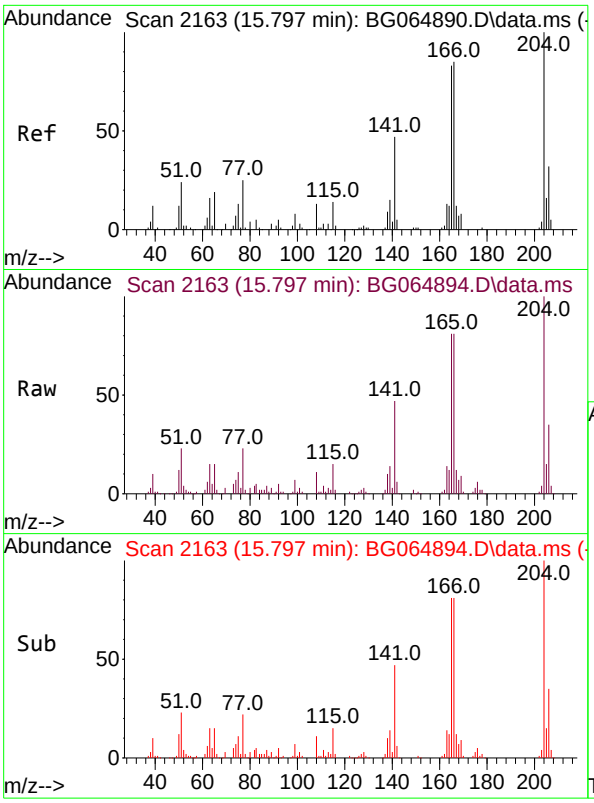
Tgt Ion:166 Resp: 180168

Ion	Ratio	Lower	Upper
166	100		
165	103.5	83.0	124.6
167	13.3	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SLCS741

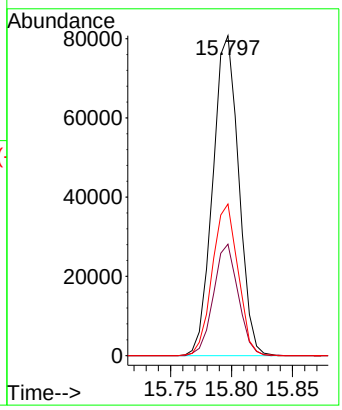
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

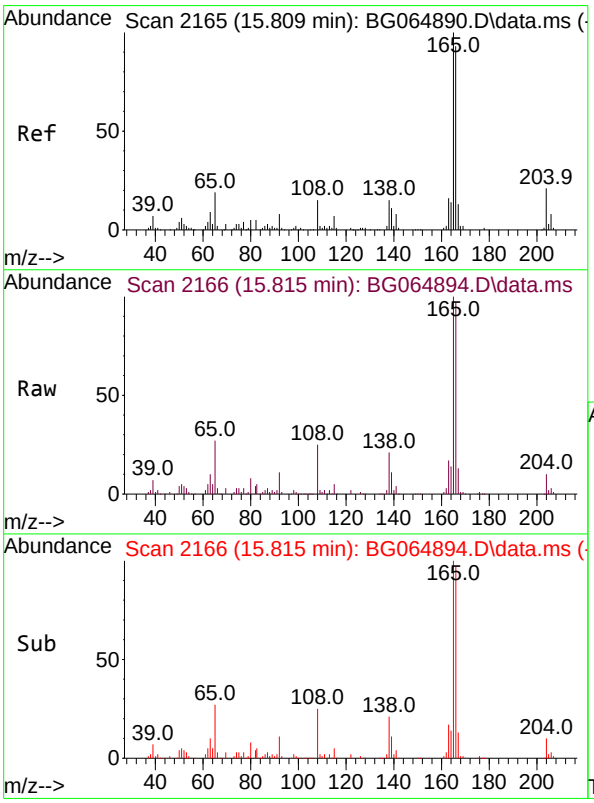


#62
4-Chlorophenyl-phenylether
Concen: 35.682 ng/ul
RT: 15.797 min Scan# 2163
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:204 Resp: 119312

Ion	Ratio	Lower	Upper
204	100		
206	34.8	26.1	39.1
141	47.4	36.8	55.2

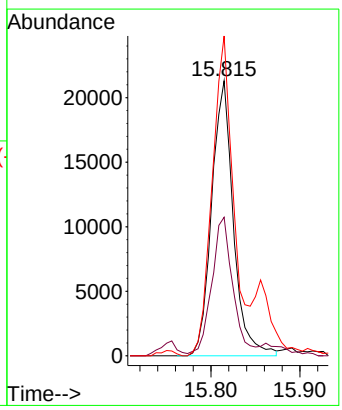




#63
4-Nitroaniline
Concen: 37.871 ng/ul m
RT: 15.815 min Scan# 2166
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

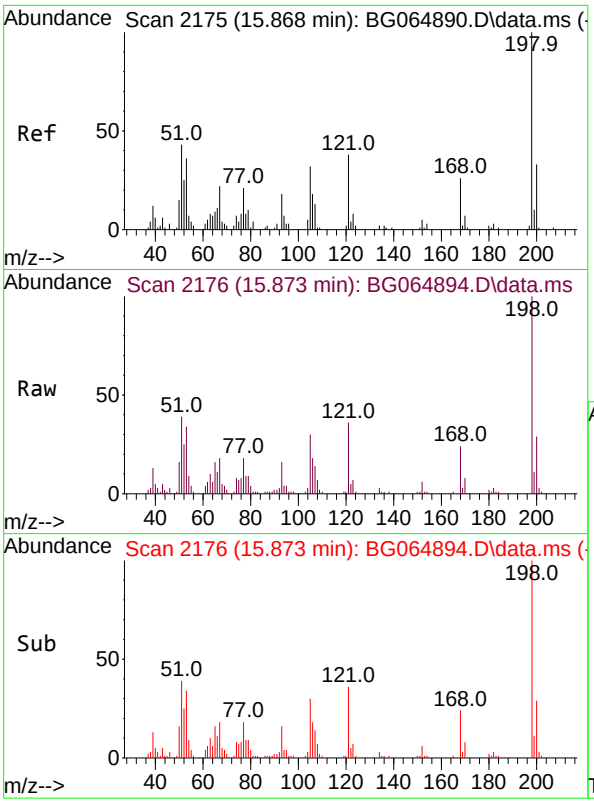
Tgt Ion:138 Resp: 36099

Ion	Ratio	Lower	Upper
138	100		
92	50.4	39.3	58.9
108	116.3	73.8	110.8#



Instrument :
BNA_G
ClientSampleId :
SLCS741

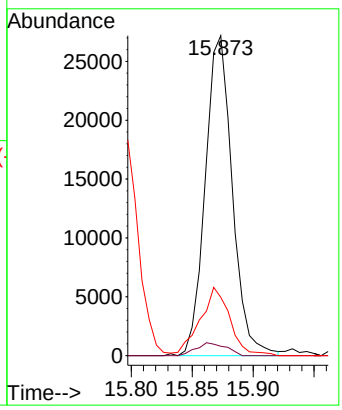
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

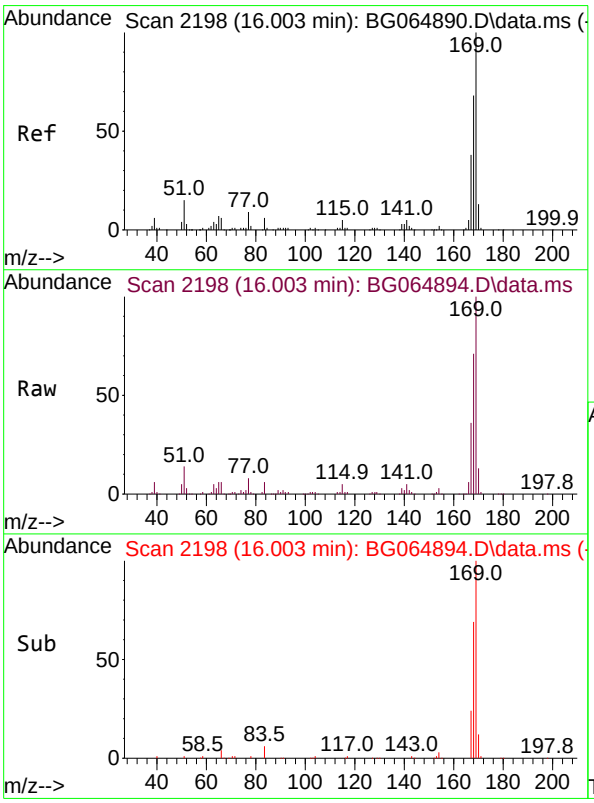


#66
4,6-Dinitro-2-methylphenol
Concen: 35.200 ng/ul
RT: 15.873 min Scan# 2176
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:198 Resp: 42003

Ion	Ratio	Lower	Upper
198	100		
182	2.9	3.6	5.4#
77	18.2	17.5	26.3

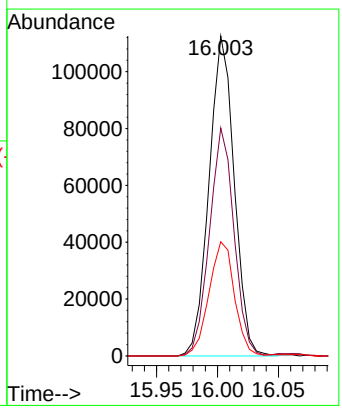




#67
N-Nitrosodiphenylamine
Concen: 31.420 ng/ul
RT: 16.003 min Scan# 2198
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

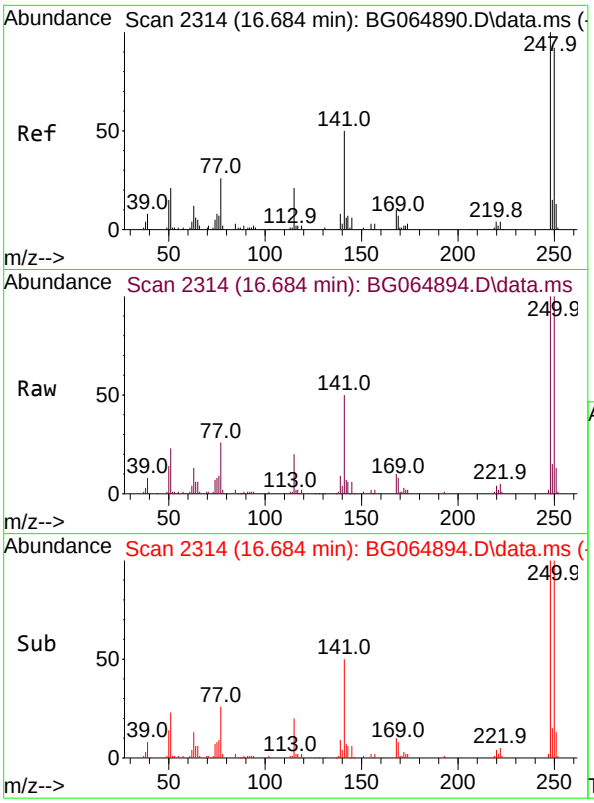
Tgt Ion:169 Resp: 161938

Ion	Ratio	Lower	Upper
169	100		
168	71.2	54.4	81.6
167	35.7	29.0	43.4



Instrument :
BNA_G
ClientSampleId :
SLCS741

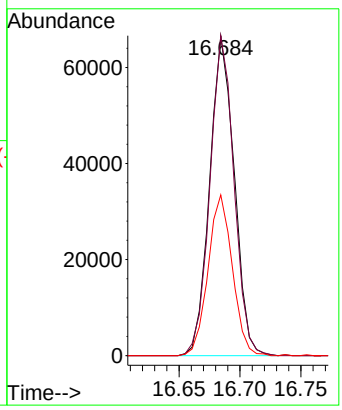
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

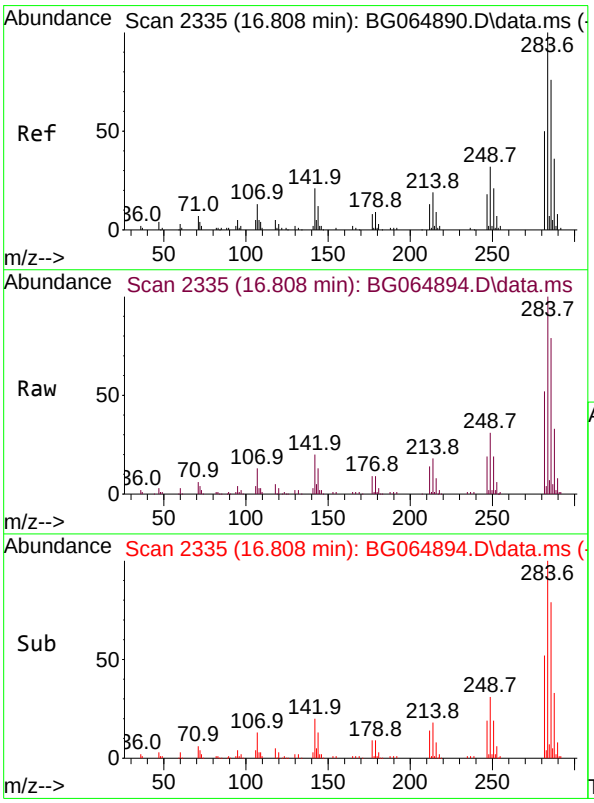


#68
4-Bromophenyl-phenylether
Concen: 36.520 ng/ul
RT: 16.684 min Scan# 2314
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:248 Resp: 93372

Ion	Ratio	Lower	Upper
248	100		
250	100.2	80.2	120.2
141	50.3	41.3	61.9

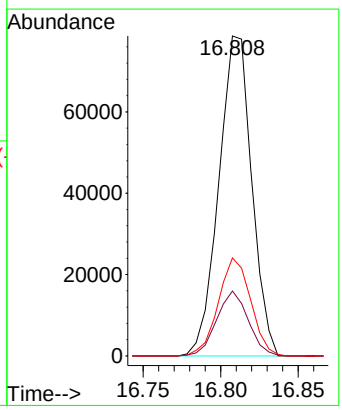




#69
Hexachlorobenzene
Concen: 37.573 ng/ul
RT: 16.808 min Scan# 2335
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

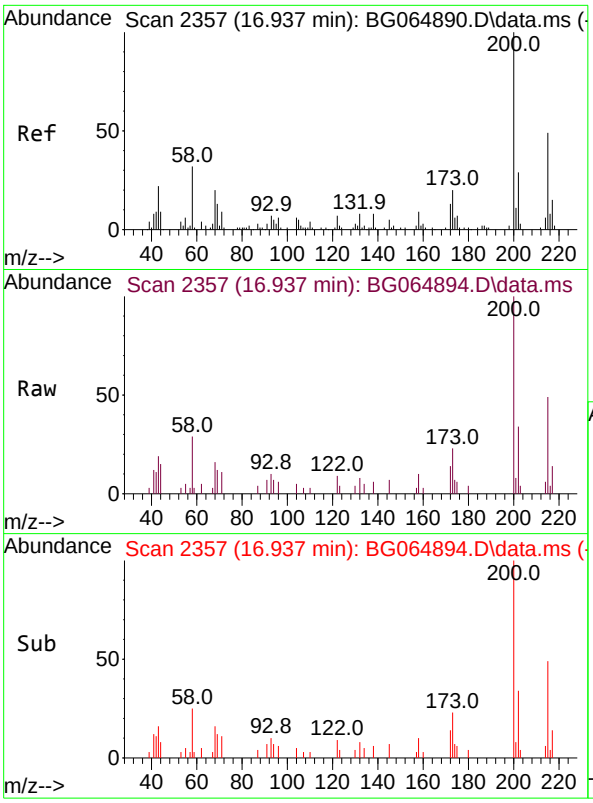
Tgt Ion:284 Resp: 116543

Ion	Ratio	Lower	Upper
284	100		
142	18.9	17.6	26.4
249	30.6	24.7	37.1



Instrument :
BNA_G
ClientSampleId :
SLCS741

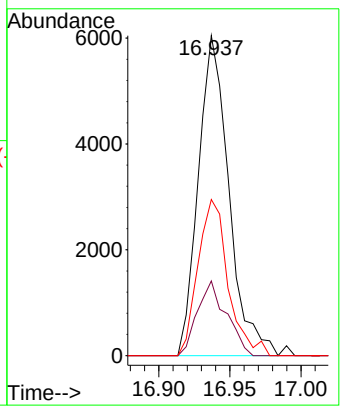
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM



#70
Atrazine
Concen: 3.663 ng/ul
RT: 16.937 min Scan# 2357
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

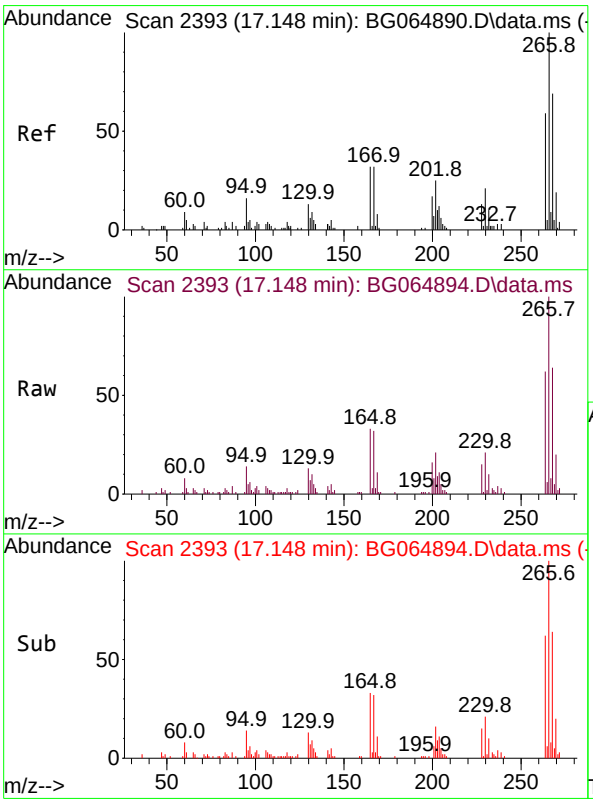
Tgt Ion:200 Resp: 9032

Ion	Ratio	Lower	Upper
200	100		
173	23.3	18.6	28.0
215	48.8	39.0	58.6



Instrument :
BNA_G
ClientSampleId :
SLCS741

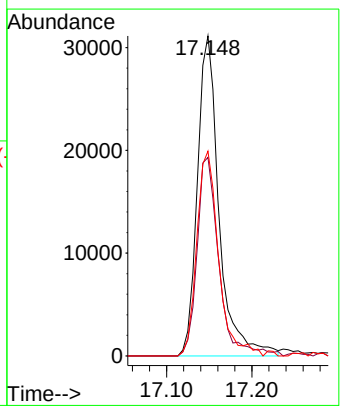
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

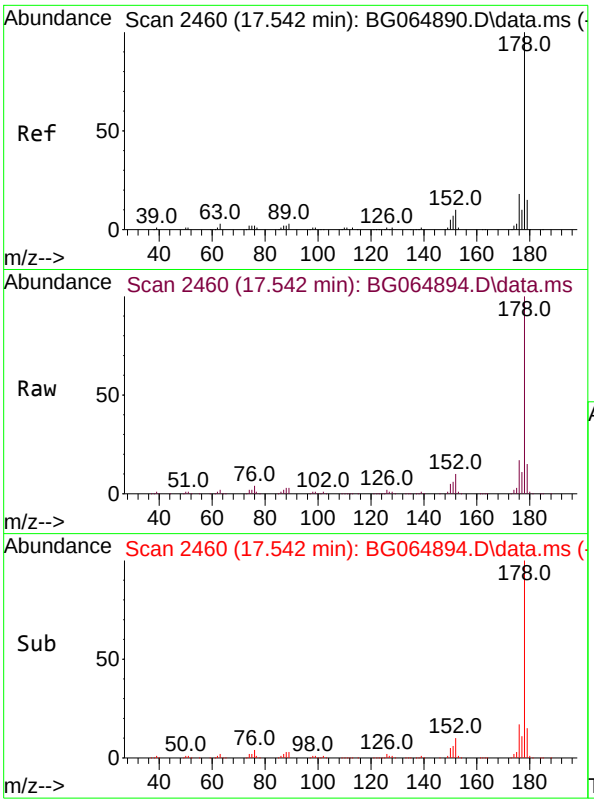


#71
Pentachlorophenol
Concen: 31.874 ng/ul
RT: 17.148 min Scan# 2393
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:266 Resp: 54899

Ion	Ratio	Lower	Upper
266	100		
264	62.0	48.8	73.2
268	64.0	53.0	79.4

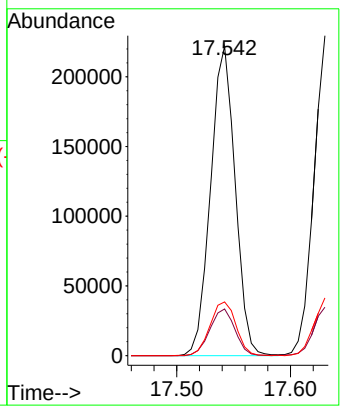




#72
Phenanthrene
Concen: 31.094 ng/ul
RT: 17.542 min Scan# 2460
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

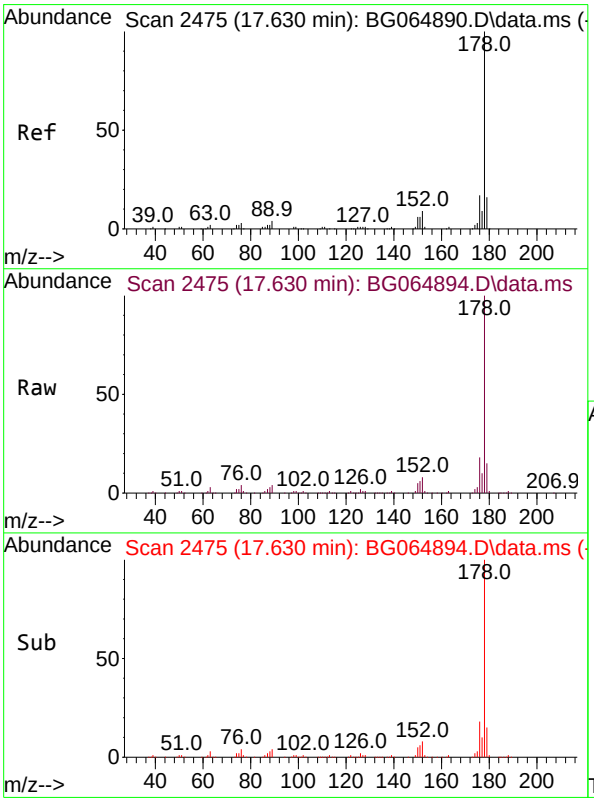
Tgt Ion:178 Resp: 333434

Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.9	17.9
176	17.3	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SLCS741

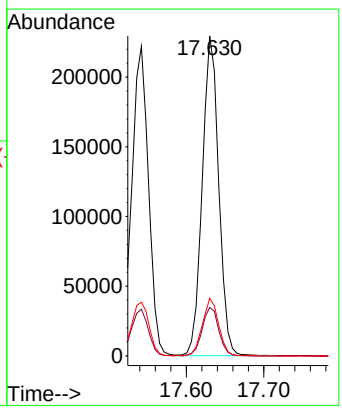
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mohammad
12/3/2025 1:12:48 AM

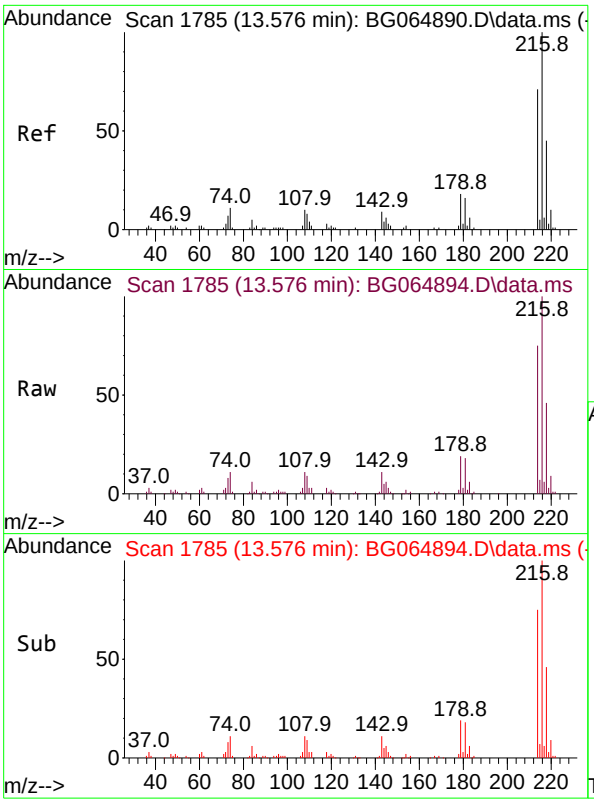


#74
Anthracene
Concen: 31.422 ng/ul
RT: 17.630 min Scan# 2475
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:178 Resp: 337993

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.5	18.7
176	18.0	14.7	22.1

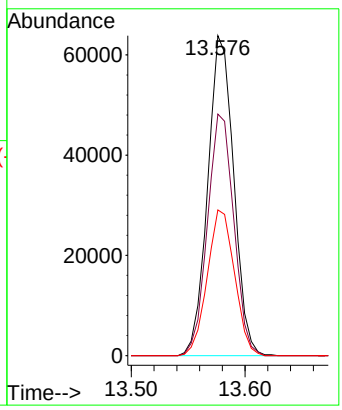




#75
1,2,3,4-Tetrachlorobenzene
Concen: 35.110 ng/ul
RT: 13.576 min Scan# 1785
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

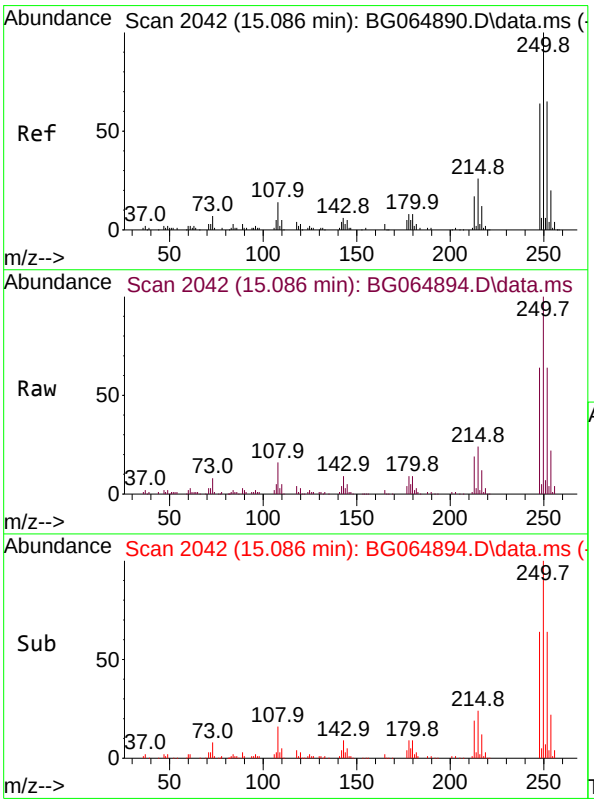
Tgt Ion:216 Resp: 101228

Ion	Ratio	Lower	Upper
216	100		
214	75.5	60.1	90.1
218	45.5	38.2	57.4



Instrument :
BNA_G
ClientSampleId :
SLCS741

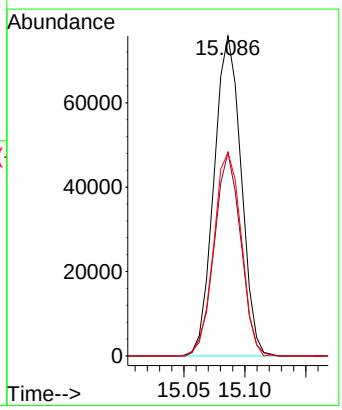
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

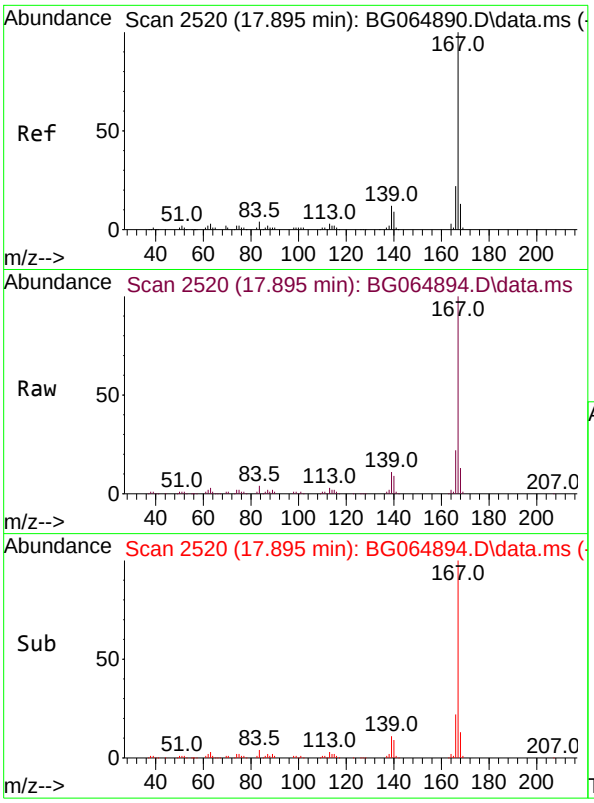


#76
Pentachlorobenzene
Concen: 35.879 ng/ul
RT: 15.086 min Scan# 2042
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:250 Resp: 117524

Ion	Ratio	Lower	Upper
250	100		
248	63.6	48.5	72.7
252	67.9	51.8	77.8

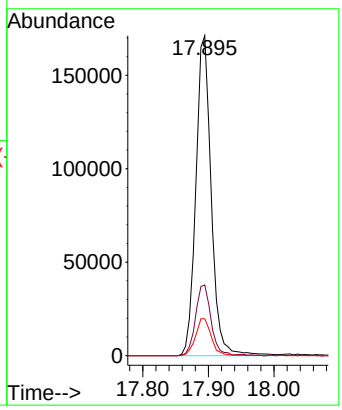


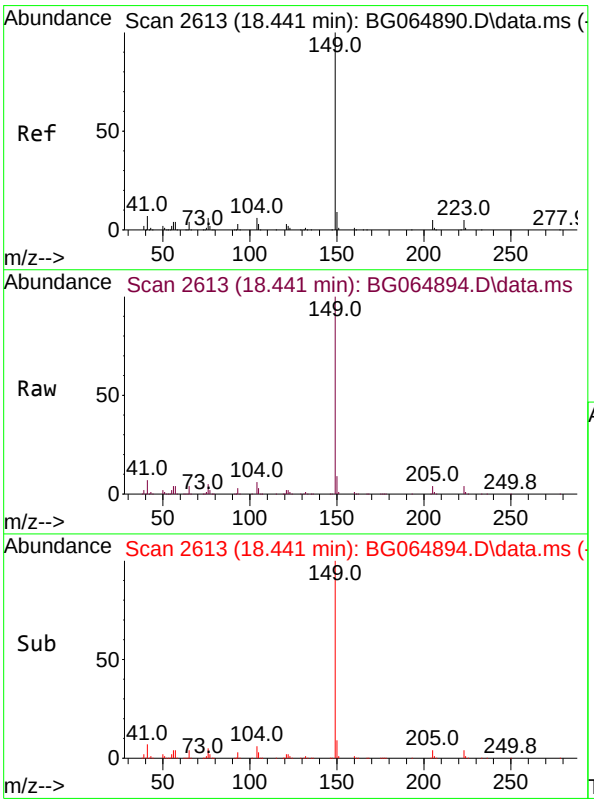


#77
Carbazole
Concen: 31.575 ng/ul
RT: 17.895 min Scan# 2520
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:167 Resp: 276975

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	11.5	9.4	14.2

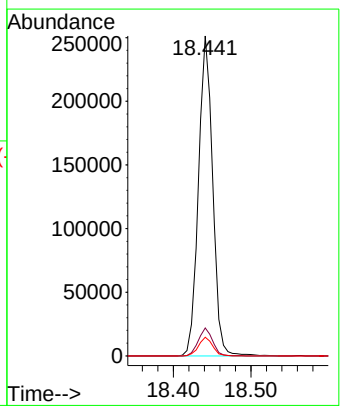




#78
Di-n-butylphthalate
Concen: 31.512 ng/ul
RT: 18.441 min Scan# 2613
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

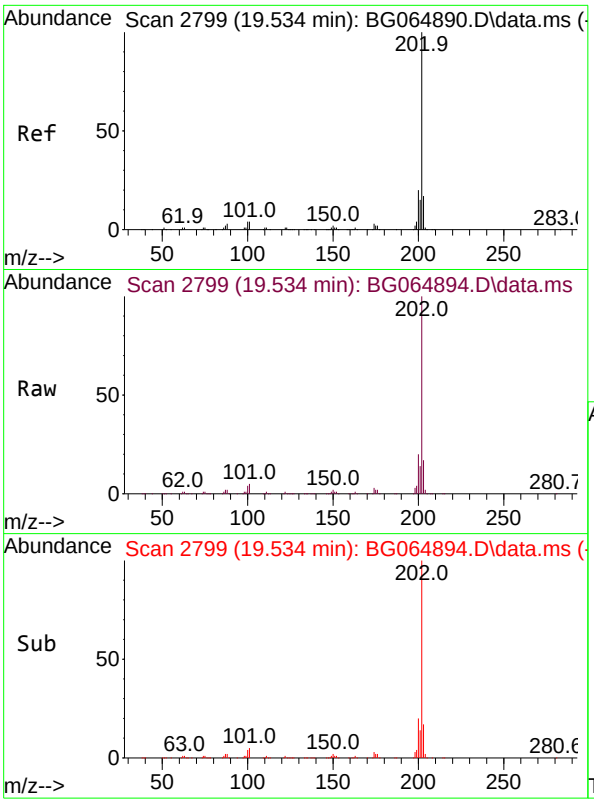
Tgt Ion:149 Resp: 319718

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	5.8	3.5	5.3#



Instrument :
BNA_G
ClientSampleId :
SLCS741

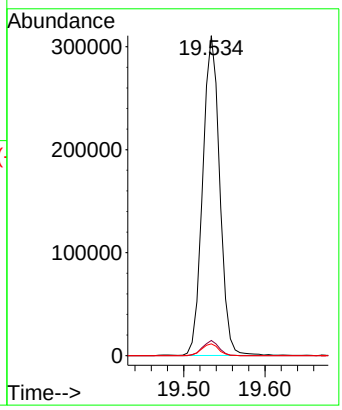
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mohammad
12/3/2025 1:12:48 AM



#80
Fluoranthene
Concen: 32.927 ng/ul
RT: 19.534 min Scan# 2799
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

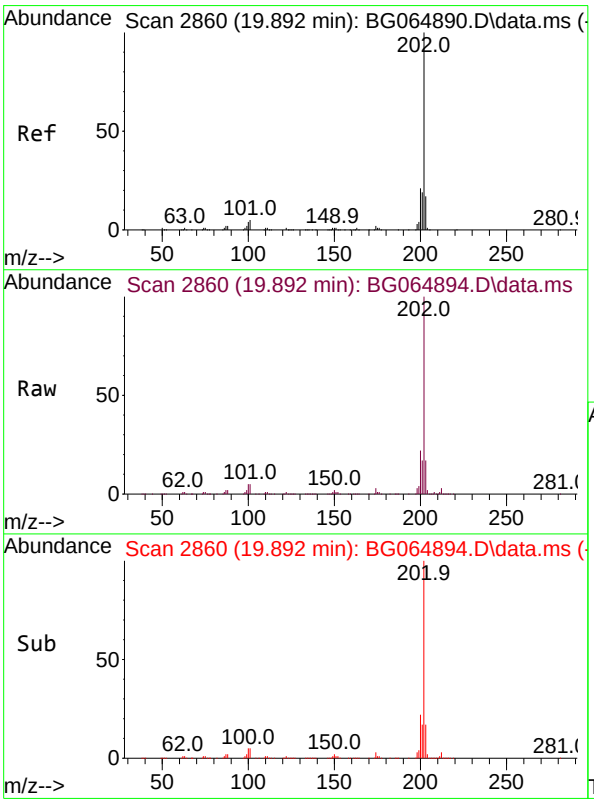
Tgt Ion:202 Resp: 452497

Ion	Ratio	Lower	Upper
202	100		
101	4.7	5.5	8.3#
100	3.7	4.9	7.3#



Instrument :
BNA_G
ClientSampleId :
SLCS741

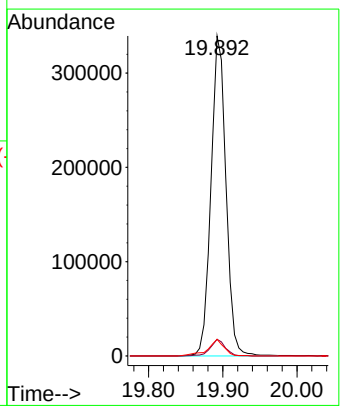
Manual Integrations APPROVED
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12/3/2025 1:12:48 AM

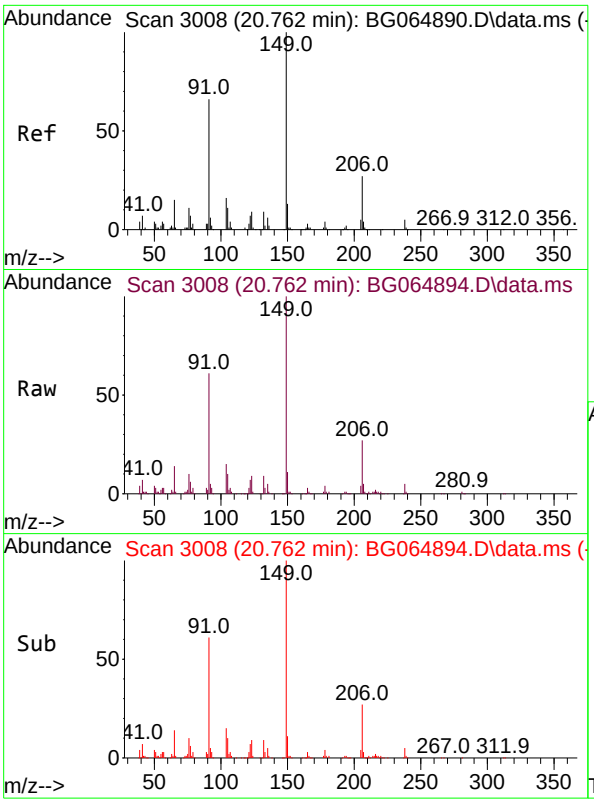


#82
Pyrene
Concen: 33.202 ng/ul
RT: 19.892 min Scan# 2860
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:202 Resp: 476259

Ion	Ratio	Lower	Upper
202	100		
101	5.2	6.0	9.0#
100	5.2	5.4	8.2#

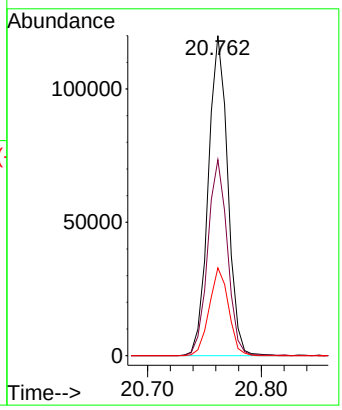




#83
Butylbenzylphthalate
Concen: 30.064 ng/ul
RT: 20.762 min Scan# 3008
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

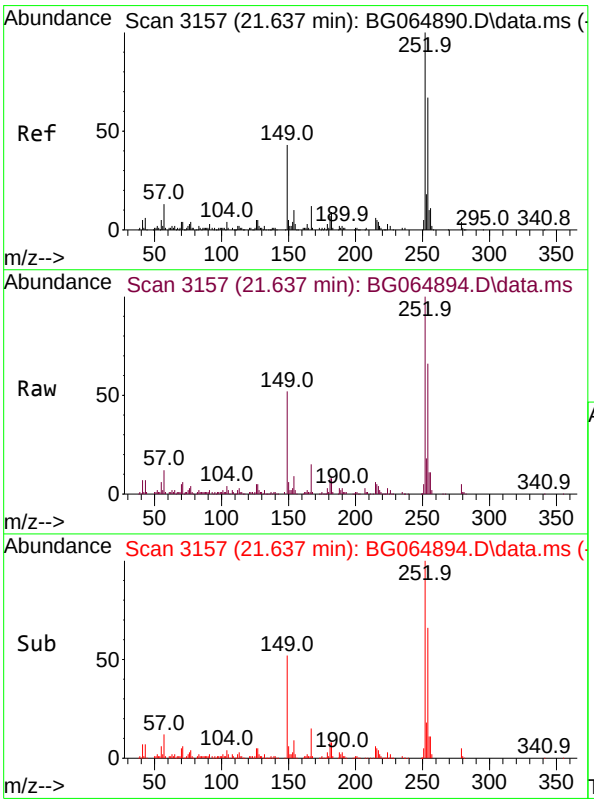
Tgt Ion:149 Resp: 142415

Ion	Ratio	Lower	Upper
149	100		
91	61.2	48.3	72.5
206	27.4	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
SLCS741

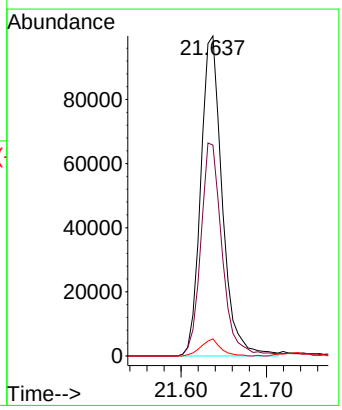
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

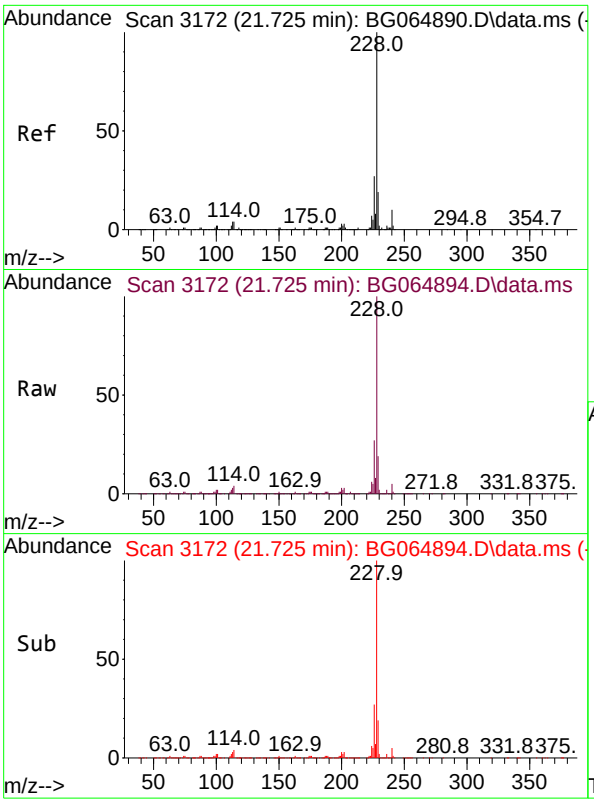


#84
3,3'-Dichlorobenzidine
Concen: 34.269 ng/ul
RT: 21.637 min Scan# 3157
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:252 Resp: 174303

Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.9	77.9
126	5.4	4.6	7.0

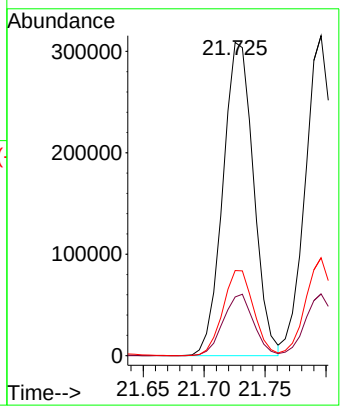




#85
Benzo(a)anthracene
Concen: 33.719 ng/ul
RT: 21.725 min Scan# 3172
Delta R.T. -0.002 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

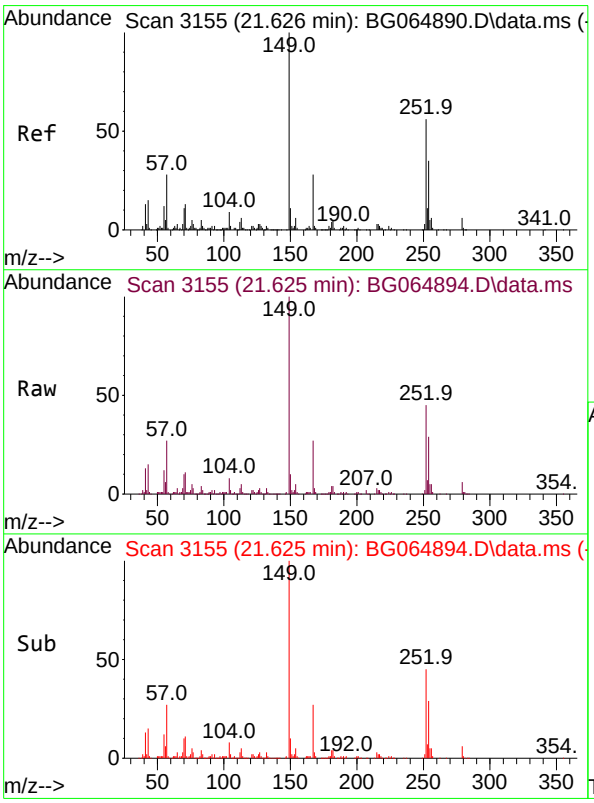
Tgt Ion:228 Resp: 539944

Ion	Ratio	Lower	Upper
228	100		
229	18.7	15.2	22.8
226	27.2	21.6	32.4



Instrument :
BNA_G
ClientSampleId :
SLCS741

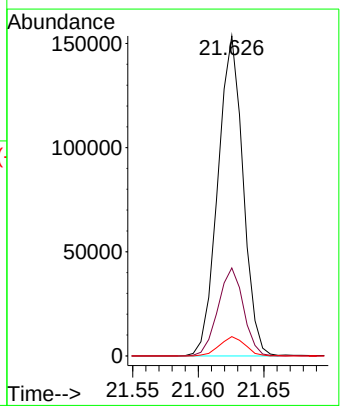
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

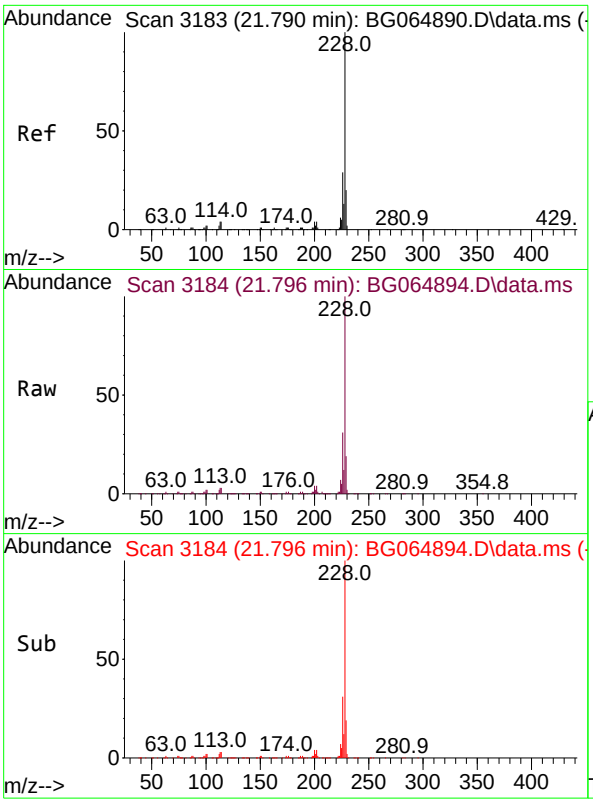


#86
Bis(2-ethylhexyl)phthalate
Concen: 29.317 ng/ul
RT: 21.625 min Scan# 3155
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:149 Resp: 205386

Ion	Ratio	Lower	Upper
149	100		
167	27.5	20.7	31.1
279	6.0	3.8	5.8#

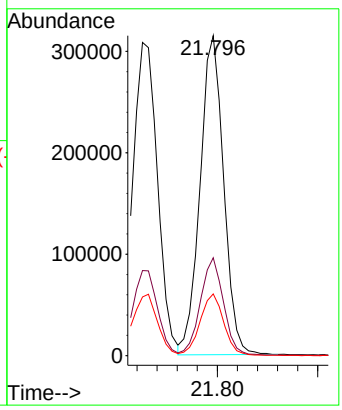


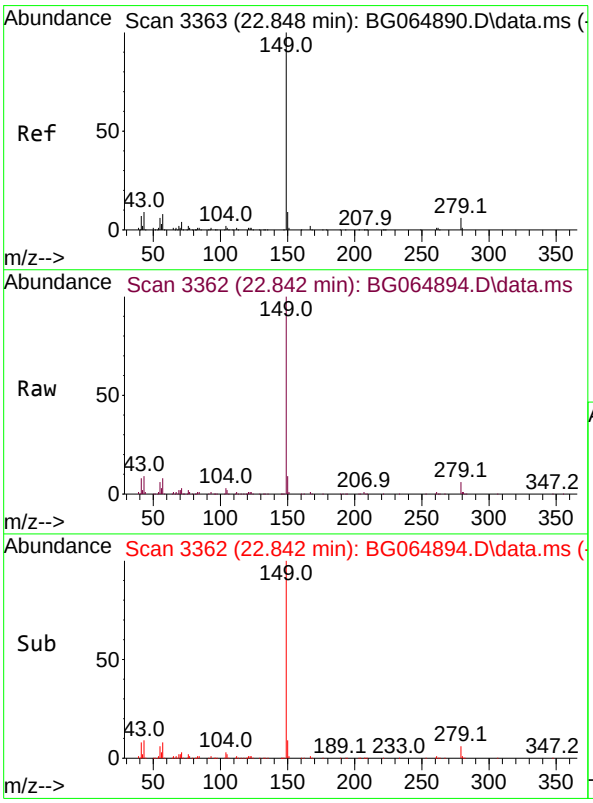


#87
Chrysene
Concen: 33.084 ng/ul
RT: 21.796 min Scan# 3184
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:228 Resp: 512777

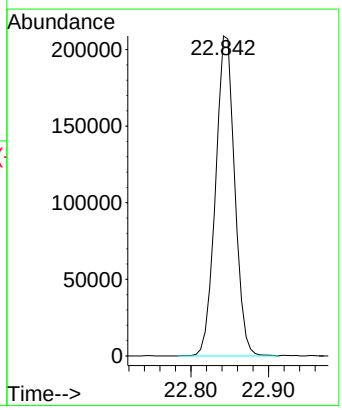
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	36.8
229	19.3	15.8	23.6





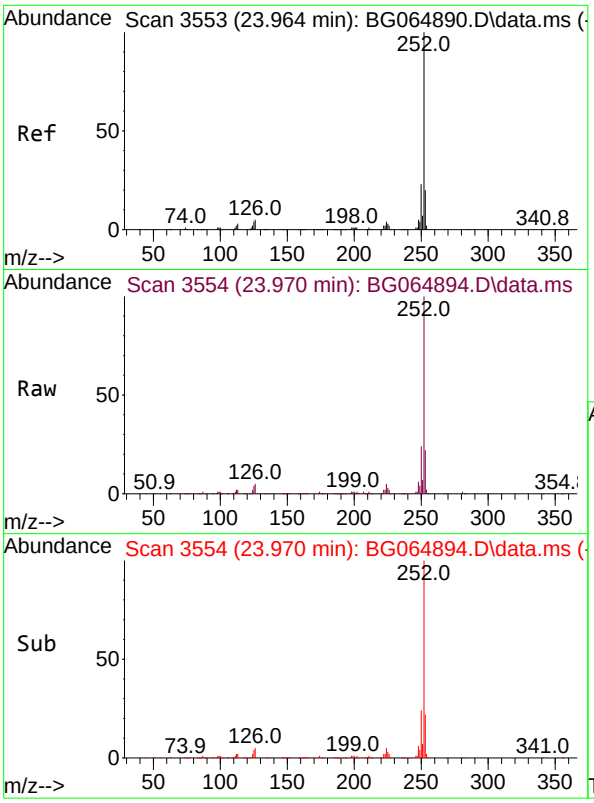
#89
Di-n-octyl phthalate
Concen: 28.792 ng/ul
RT: 22.842 min Scan# 3362
Delta R.T. -0.001 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:149 Resp: 358783



Instrument :
BNA_G
ClientSampleId :
SLCS741

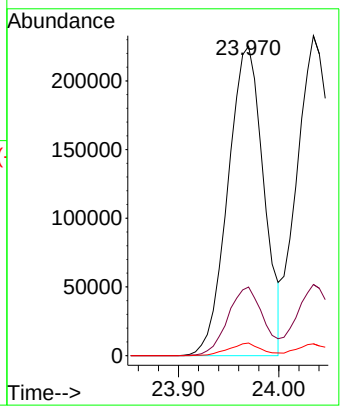
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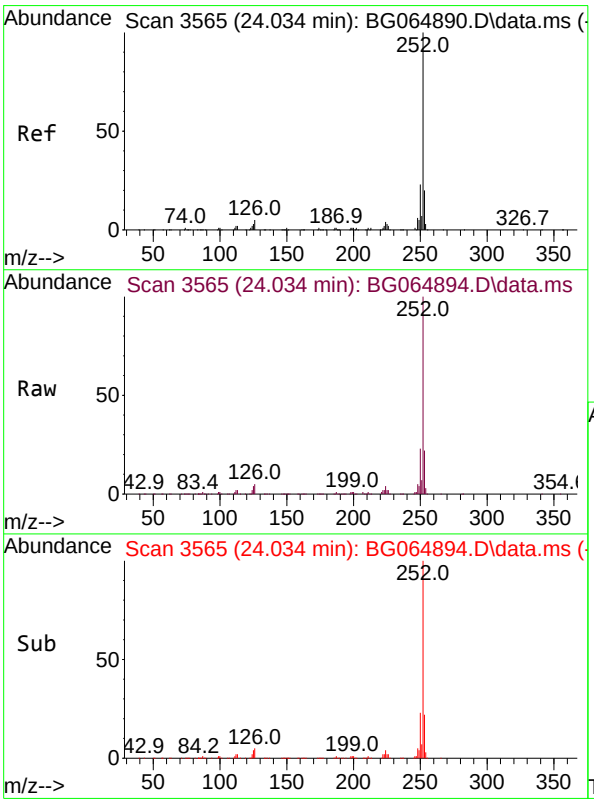


#90
Benzo(b)fluoranthene
Concen: 33.203 ng/ul
RT: 23.970 min Scan# 3554
Delta R.T. 0.010 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:252 Resp: 559018

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	4.1	4.6	6.8#

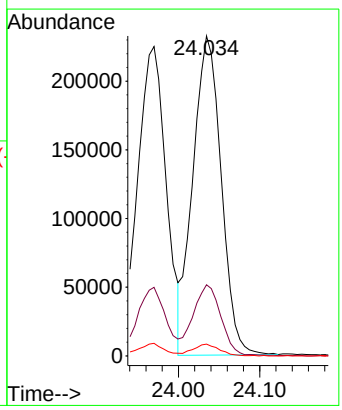




#91
Benzo(k)fluoranthene
Concen: 32.726 ng/ul
RT: 24.034 min Scan# 3565
Delta R.T. 0.010 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

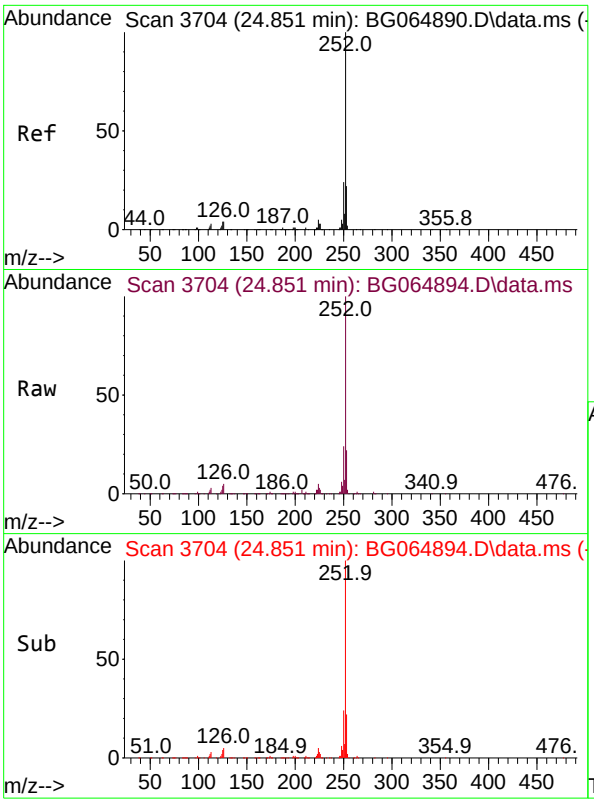
Tgt Ion:252 Resp: 563790

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.6	28.0
125	3.7	4.1	6.1#



Instrument :
BNA_G
ClientSampleId :
SLCS741

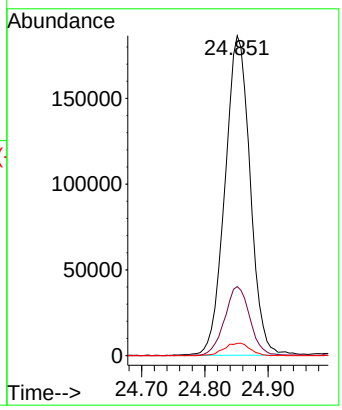
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#93
Benzo(a)pyrene
Concen: 32.054 ng/ul
RT: 24.851 min Scan# 3704
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

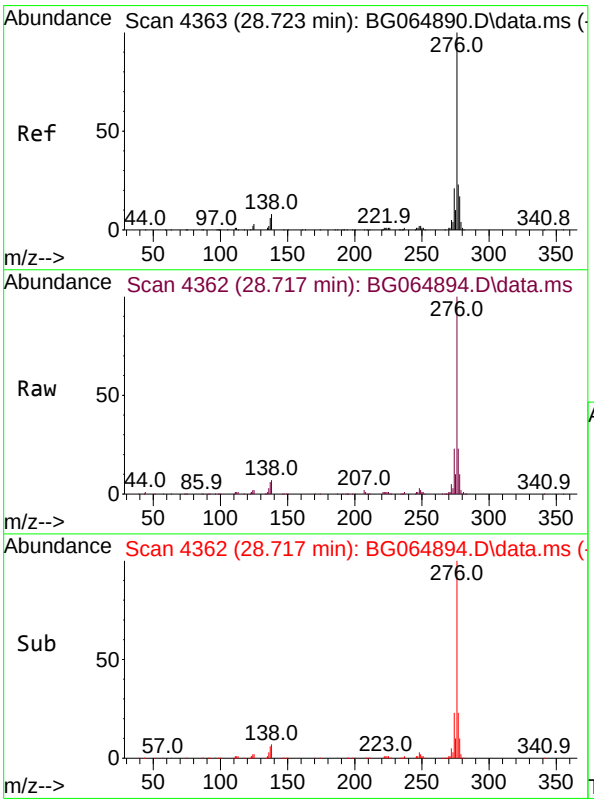
Tgt Ion:252 Resp: 513280

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	3.8	4.7	7.1#



Instrument :
BNA_G
ClientSampleId :
SLCS741

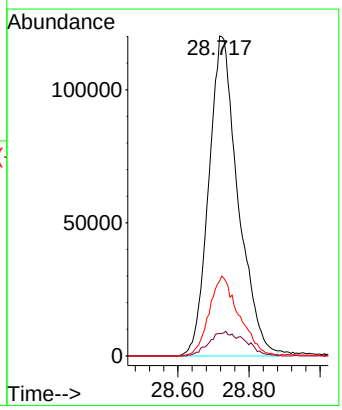
Manual Integrations APPROVED
mohammad
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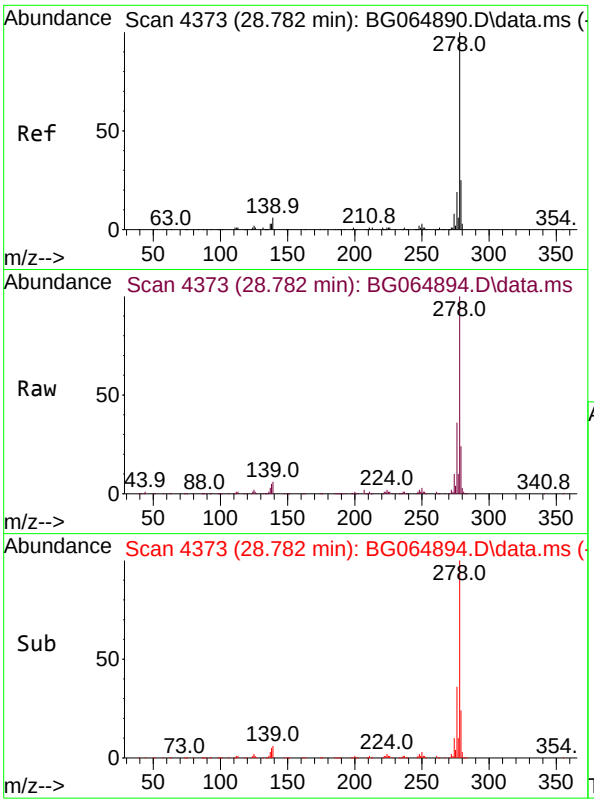


#94
Indeno(1,2,3-cd)pyrene
Concen: 33.419 ng/ul
RT: 28.717 min Scan# 4362
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:276 Resp: 687502

Ion	Ratio	Lower	Upper
276	100		
138	7.0	9.0	13.4#
277	23.4	18.5	27.7

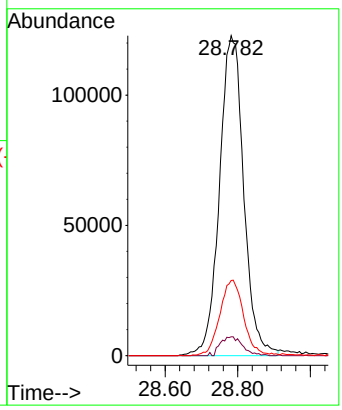




#95
Dibenzo(a,h)anthracene
Concen: 34.279 ng/ul
RT: 28.782 min Scan# 4373
Delta R.T. 0.004 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

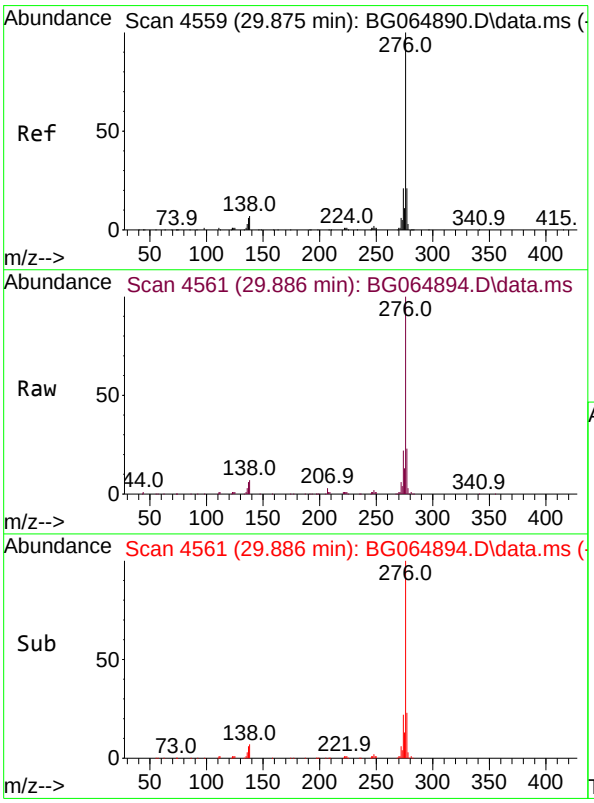
Tgt Ion:278 Resp: 568889

Ion	Ratio	Lower	Upper
278	100		
139	5.9	6.6	9.8#
279	23.5	18.6	27.8



Instrument :
BNA_G
ClientSampleId :
SLCS741

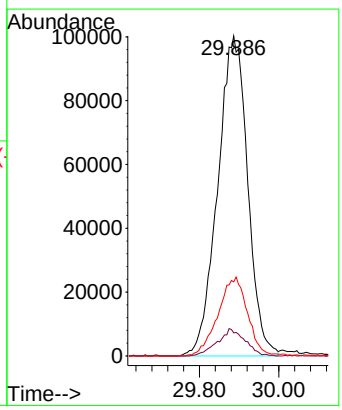
Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM



#96
Benzo(g,h,i)perylene
Concen: 31.636 ng/ul
RT: 29.886 min Scan# 4561
Delta R.T. 0.016 min
Lab File: BG064894.D
Acq: 26 Nov 2025 18:25

Tgt Ion:276 Resp: 525321

Ion	Ratio	Lower	Upper
276	100		
138	7.2	9.8	14.8#
277	23.1	18.1	27.1



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064894.D
Acq On : 26 Nov 2025 18:25
Operator : RC/JU
Sample : PB170741BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 01 11:39:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : SLCS741

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	20586	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	81652	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	72467	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	191778	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	238844	20.000	ng/ul	# 0.00
88) Perylene-d12	25.004	264	273454	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.476	96	2280	4.390	ng/uL	0.00
4) Pyridine-d5	3.911	84	35522	24.822	ng/ul	0.00
7) Phenol-d5	7.301	99	50641	30.516	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	27588	25.993	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	43714	34.747	ng/ul	0.00
15) 4-Methylphenol-d8	8.858	113	44388	31.034	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	21108	34.274	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	26920	36.801	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	58667	38.899	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	46463	24.102	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	191215	33.544	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	202963	33.247	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	27066	31.319	ng/ul	0.00
60) Fluorene-d10	15.750	176	175539	34.302	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	43906	35.759	ng/ul	0.00
73) Anthracene-d10	17.595	188	315692	32.578	ng/ul	0.00
81) Pyrene-d10	19.869	212	414831	33.813	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.781	264	492958	34.169	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	5063	8.427	ng/uL	97
5) Pyridine	3.934	79	33660	21.482	ng/ul	98
6) Benzaldehyde	7.278	77	3271m	4.013	ng/ul	
8) Phenol	7.330	94	50683	29.257	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.566	93	33016	25.771	ng/ul	99
12) 2-Chlorophenol	7.718	128	43619	32.737	ng/ul	95
13) 2-Methylphenol	8.594	108	41142	30.001	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.676	45	70594	26.246	ng/ul#	96
16) Acetophenone	8.982	105	67245	28.583	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.958	70	32420	28.727	ng/ul	94
18) 4-Methylphenol	8.923	108	44985	29.899	ng/ul	89
19) Hexachloroethane	9.252	117	17848	30.015	ng/ul	85
22) Nitrobenzene	9.363	77	49442	31.257	ng/ul	99
23) Isophorone	9.886	82	91202	29.432	ng/ul#	94
25) 2-Nitrophenol	10.080	139	26592	34.579	ng/ul	96
26) 2,4-Dimethylphenol	10.127	107	46410	28.018	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.362	93	47305	27.221	ng/ul#	93
29) 2,4-Dichlorophenol	10.615	162	53201	37.822	ng/ul	94
30) Naphthalene	11.026	128	148562	31.660	ng/ul	99
32) 4-Chloroaniline	11.120	127	34723	17.697	ng/ul	95
33) Hexachlorobutadiene	11.314	225	56371	38.207	ng/ul	91
34) Caprolactam	11.860	113	15012m	30.543	ng/ul	
35) 4-Chloro-3-methylphenol	12.231	107	53059	34.639	ng/ul	92
36) 2-Methylnaphthalene	12.618	142	111260	31.640	ng/ul	99

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Sample : PB170741BS
Misc :
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Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS741

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.836	142	112824	32.780	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.977	216	102463	36.802	ng/ul	95
40) Hexachlorocyclopentadiene	12.965	237	52305	27.117	ng/ul	92
41) 2,4,6-Trichlorophenol	13.212	196	56679	36.827	ng/ul	91
42) 2,4,5-Trichlorophenol	13.282	196	60257	37.157	ng/ul	99
43) 1,1'-Biphenyl	13.611	154	164193	32.183	ng/ul#	96
44) 2-Chloronaphthalene	13.653	162	130074	32.477	ng/ul	99
45) 2-Nitroaniline	13.846	65	40932	34.378	ng/ul	100
47) Dimethylphthalate	14.211	163	191182	32.865	ng/ul	99
48) 2,6-Dinitrotoluene	14.328	165	38322	35.902	ng/ul	91
50) Acenaphthylene	14.493	152	209582	30.008	ng/ul	96
51) 3-Nitroaniline	14.657	138	31157	33.655	ng/ul	94
52) Acenaphthene	14.833	153	148504	32.427	ng/ul	97
53) 2,4-Dinitrophenol	14.863	184	22229	35.413	ng/ul	89
55) 4-Nitrophenol	14.957	109	32238	40.354	ng/ul#	80
56) Dibenzofuran	15.163	168	229371	32.813	ng/ul	99
57) 2,4-Dinitrotoluene	15.110	165	59515	36.648	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.386	232	67330	36.665	ng/ul#	92
59) Diethylphthalate	15.568	149	183677	32.150	ng/ul	96
61) Fluorene	15.809	166	180168	32.858	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.797	204	119312	35.682	ng/ul	97
63) 4-Nitroaniline	15.815	138	36099m	37.871	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.873	198	42003	35.200	ng/ul#	93
67) N-Nitrosodiphenylamine	16.003	169	161938	31.420	ng/ul	97
68) 4-Bromophenyl-phenylether	16.684	248	93372	36.520	ng/ul	99
69) Hexachlorobenzene	16.808	284	116543	37.573	ng/ul	97
70) Atrazine	16.937	200	9032	3.663	ng/ul	100
71) Pentachlorophenol	17.148	266	54899	31.874	ng/ul	98
72) Phenanthrene	17.542	178	333434	31.094	ng/ul	98
74) Anthracene	17.630	178	337993	31.422	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.576	216	101228	35.110	ng/ul	98
76) Pentachlorobenzene	15.086	250	117524	35.879	ng/ul	96
77) Carbazole	17.895	167	276975	31.575	ng/ul	99
78) Di-n-butylphthalate	18.441	149	319718	31.512	ng/ul#	98
80) Fluoranthene	19.534	202	452497	32.927	ng/ul#	93
82) Pyrene	19.892	202	476259	33.202	ng/ul#	94
83) Butylbenzylphthalate	20.762	149	142415	30.064	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.637	252	174303	34.269	ng/ul	99
85) Benzo(a)anthracene	21.725	228	539944	33.719	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.625	149	205386	29.317	ng/ul#	97
87) Chrysene	21.796	228	512777	33.084	ng/ul	100
89) Di-n-octyl phthalate	22.842	149	358783	28.792	ng/ul	100
90) Benzo(b)fluoranthene	23.970	252	559018	33.203	ng/ul#	98
91) Benzo(k)fluoranthene	24.034	252	563790	32.726	ng/ul#	97
93) Benzo(a)pyrene	24.851	252	513280	32.054	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.717	276	687502	33.419	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.782	278	568889	34.279	ng/ul#	98
96) Benzo(g,h,i)perylene	29.886	276	525321	31.636	ng/ul#	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

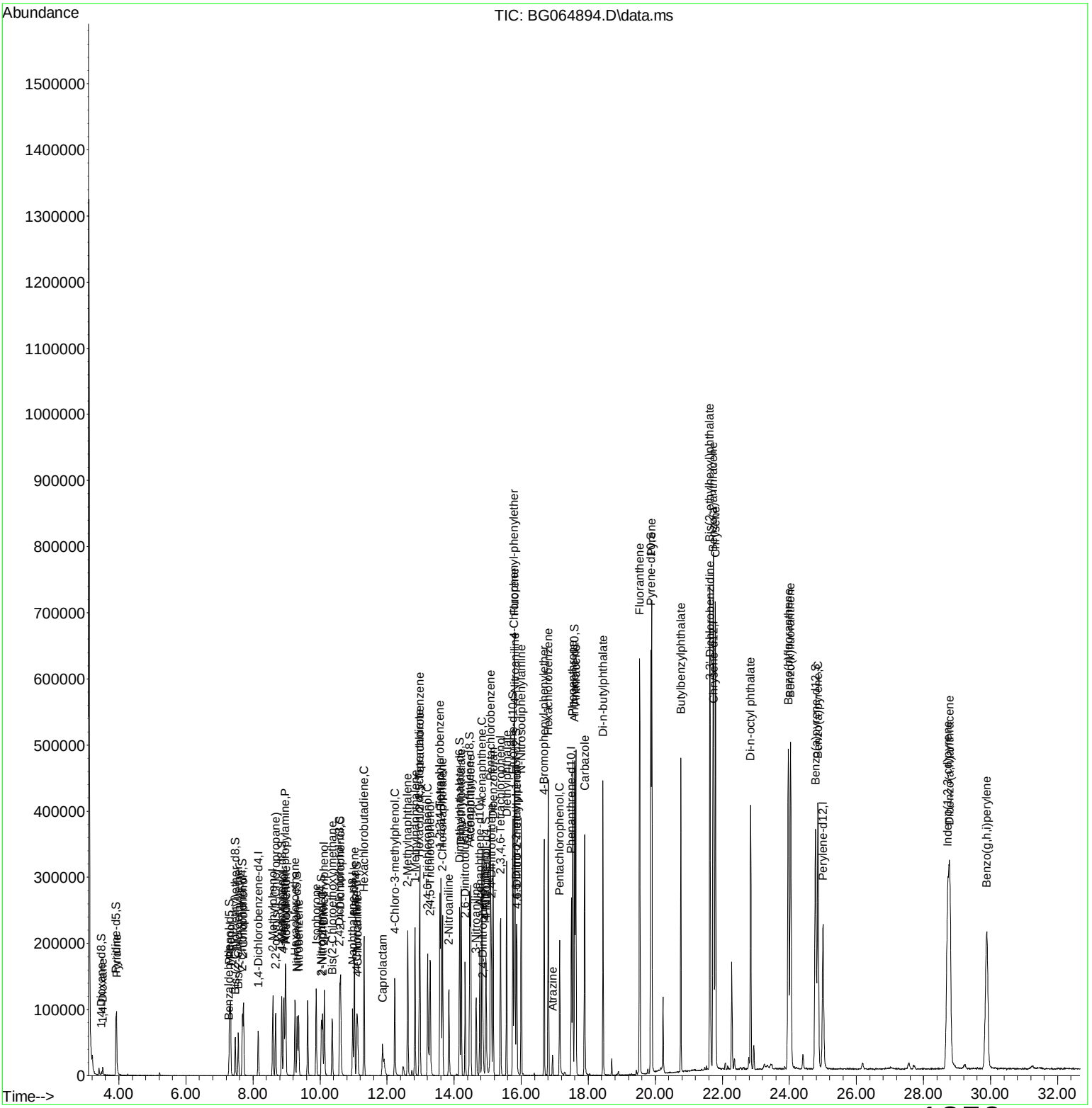
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064894.D
Acq On : 26 Nov 2025 18:25
Operator : RC/JU
Sample : PB170741BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 01 11:39:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS741

Manual Integrations APPROVED
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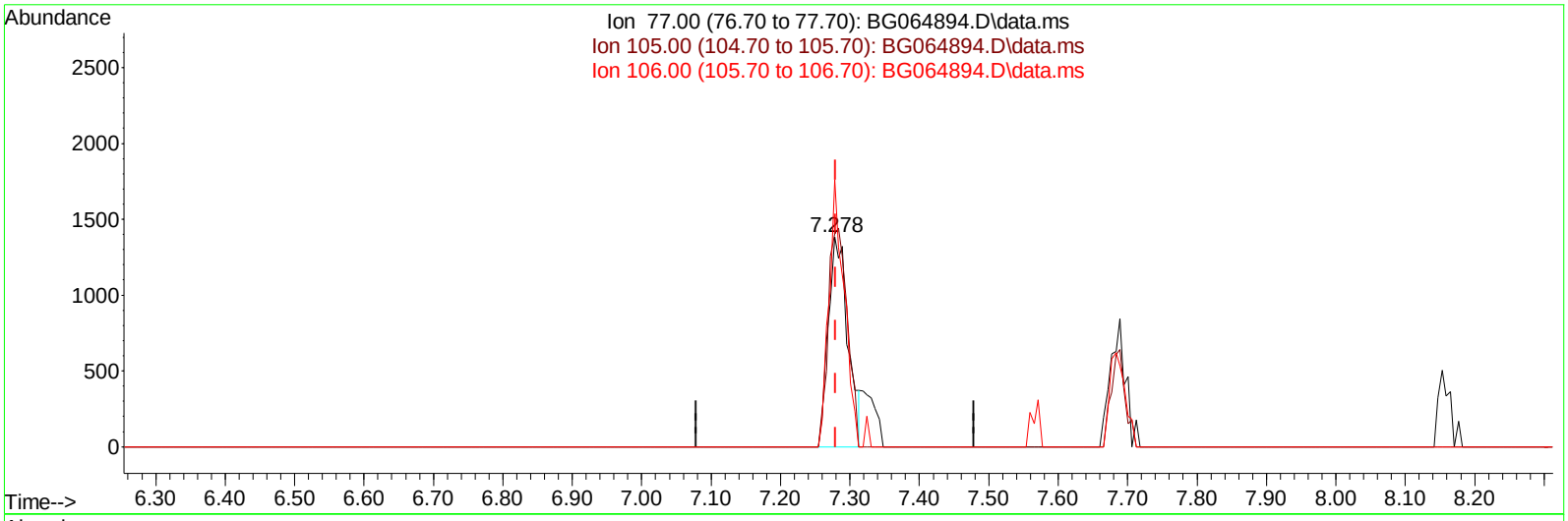
Quantitation Report (Qedit)

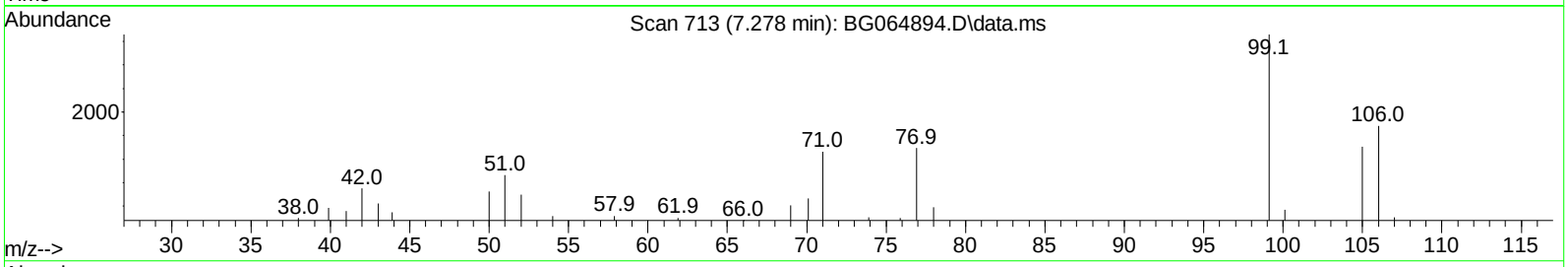
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Operator : RC/JU
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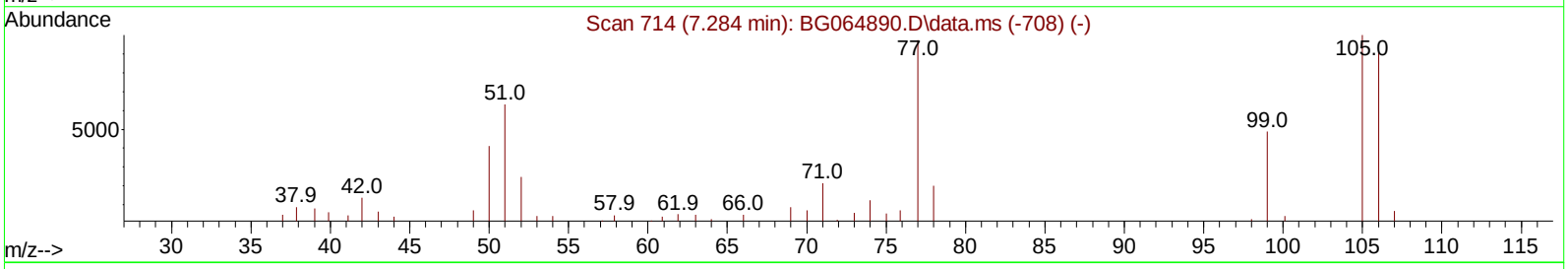
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
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Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064894.D\data.ms

(6) Benzaldehyde

7.278min (-0.001) 3.38 ng/ul

response 2755

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	94.90	101.44
106.00	92.90	126.98#
0.00	0.00	0.00

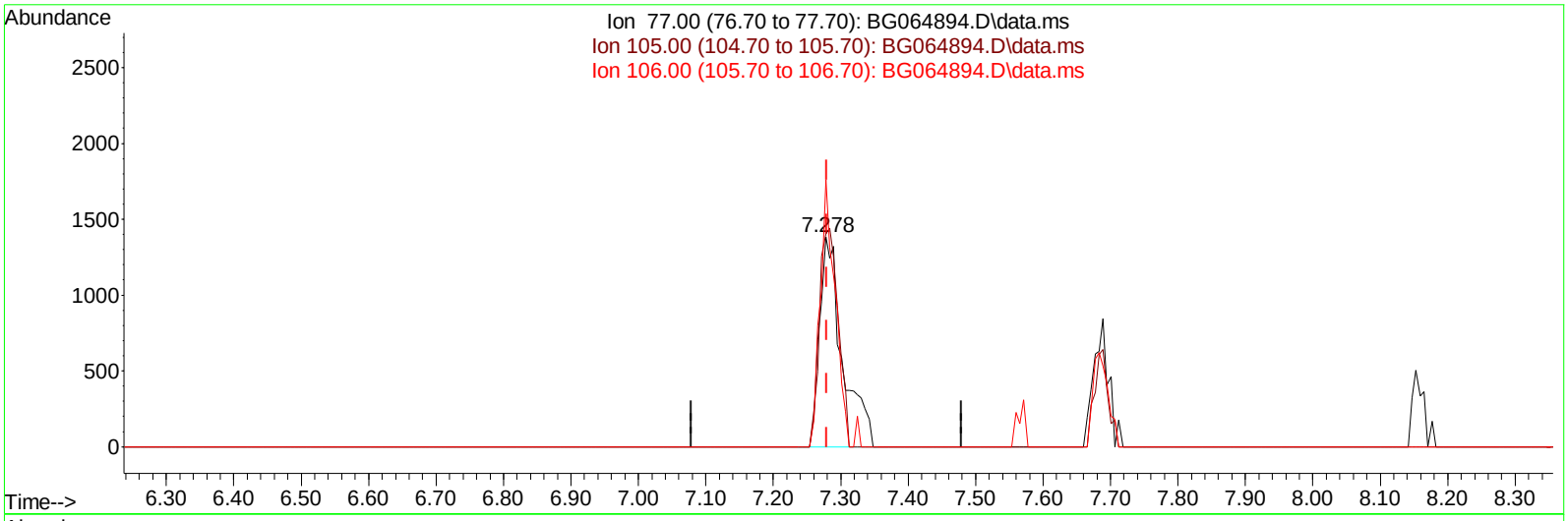
Quantitation Report (Qedit)

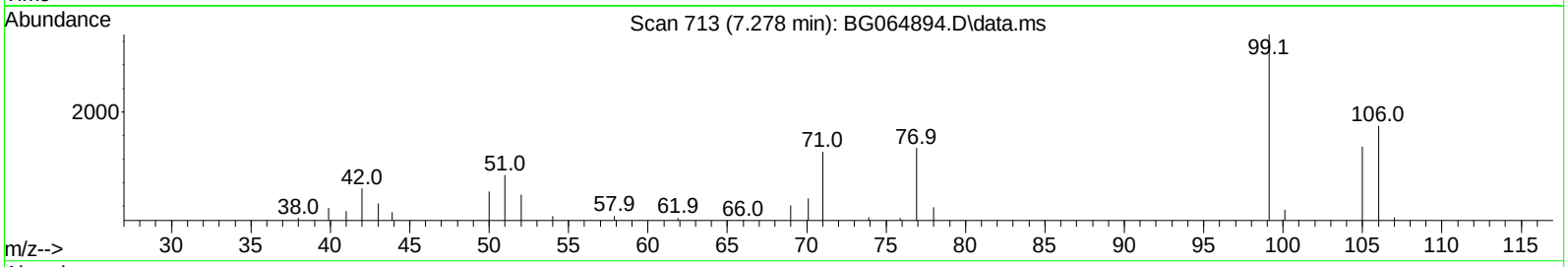
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Operator : RC/JU
Sample : PB170741BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

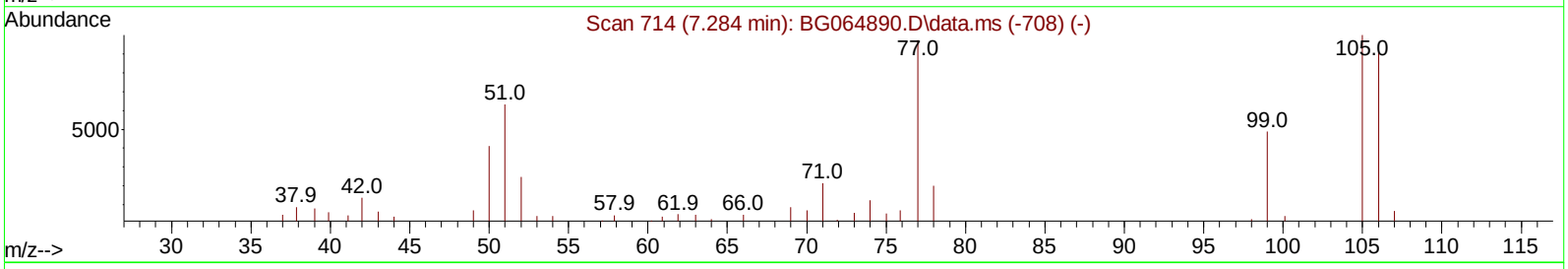
Quant Time: Dec 01 11:35:36 2025
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Quant Title : SVOA CALIBRATION
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Manual Integrations APPROVED
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12/3/2025 1:12:48 AM







TIC: BG064894.D\data.ms

(6) Benzaldehyde

7.278min (-0.001) 4.01 ng/ul m

response 3271

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	94.90	101.44
106.00	92.90	126.98#
0.00	0.00	0.00

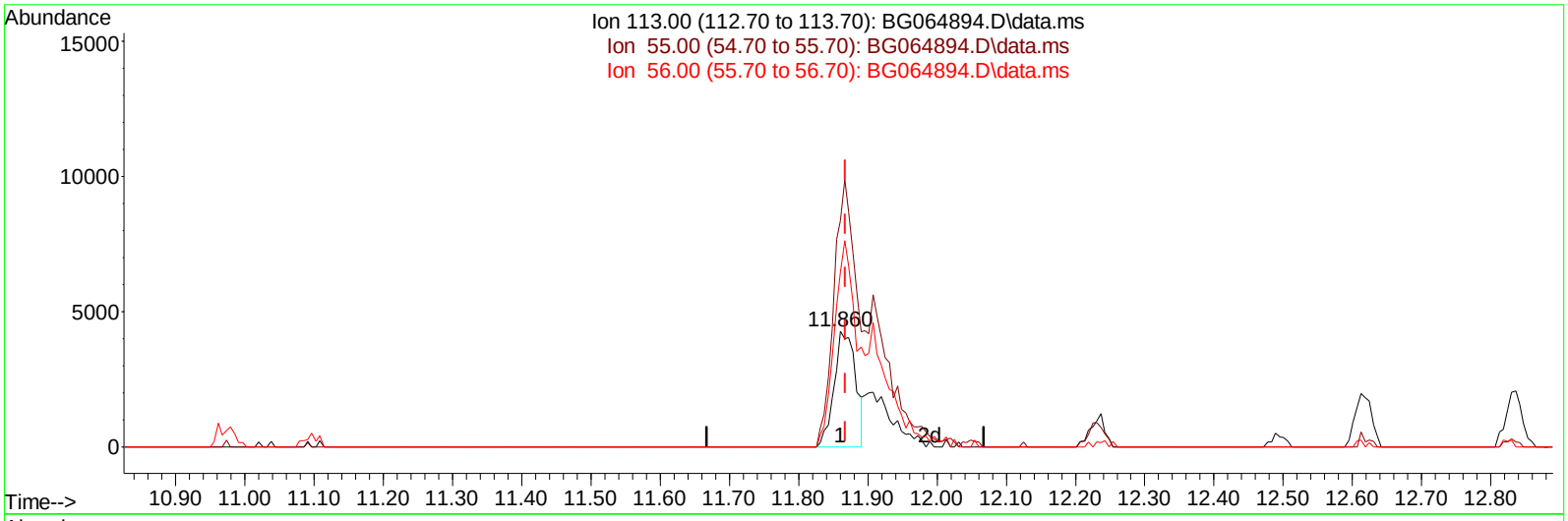
Quantitation Report (Qedit)

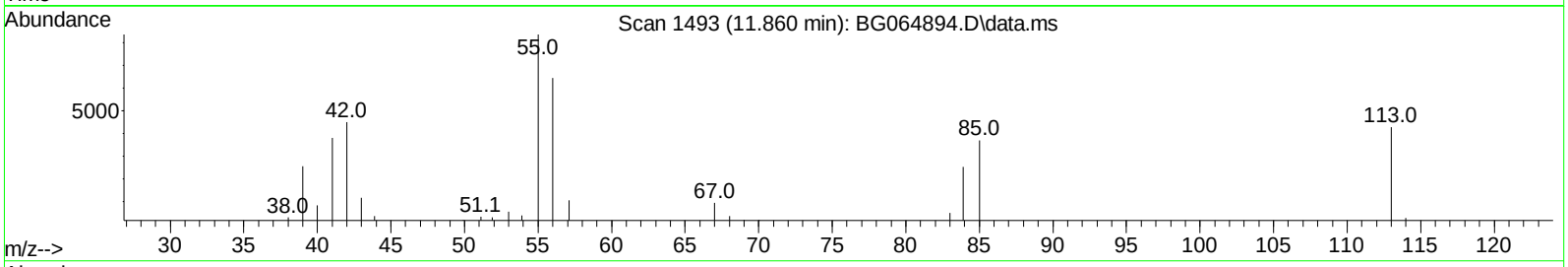
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Data File : BG064894.D
Acq On : 26 Nov 2025 18:25
Operator : RC/JU
Sample : PB170741BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

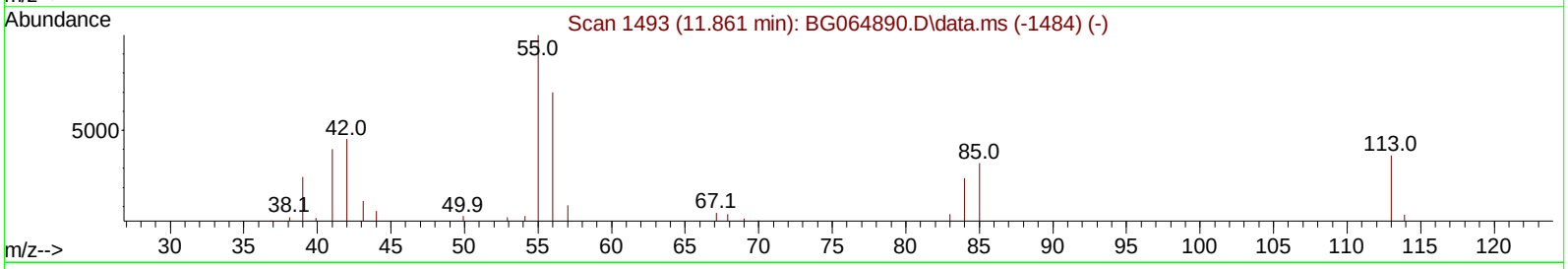
Quant Time: Dec 01 11:34:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
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TIC: BG064894.D\data.ms

(34) Caprolactam

11.860min (-0.008) 18.53 ng/ul

response 9109

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	195.56
56.00	159.40	150.91
0.00	0.00	0.00

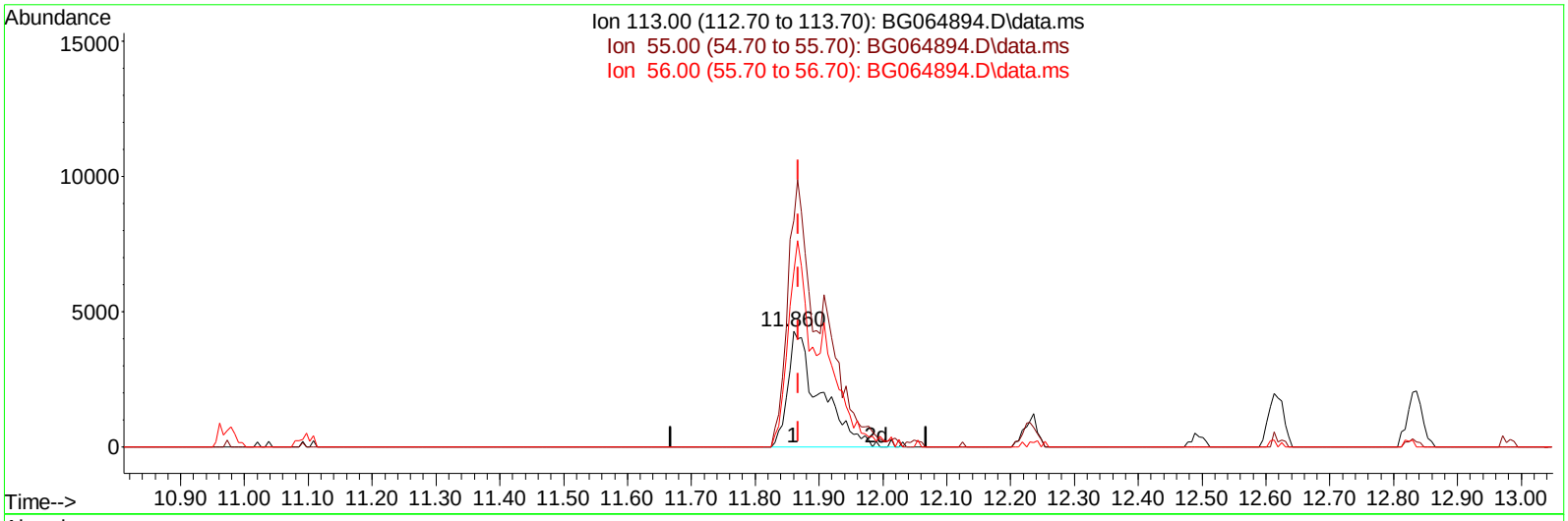
Quantitation Report (Qedit)

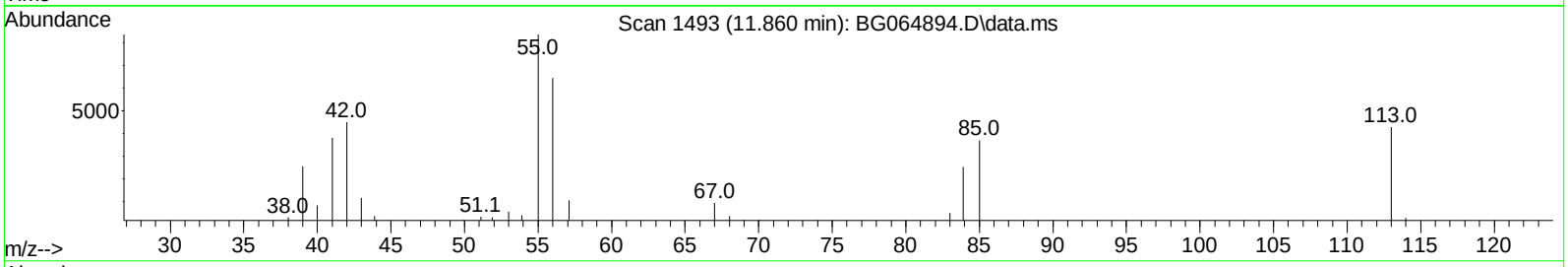
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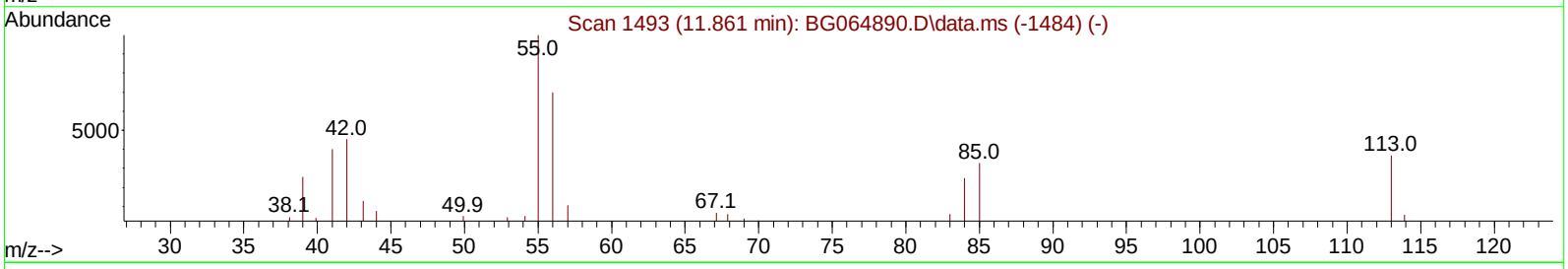
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TIC: BG064894.D\data.ms

(34) Caprolactam

11.860min (-0.008) 30.54 ng/ul m

response 15012

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	234.90	195.56
56.00	159.40	150.91
0.00	0.00	0.00

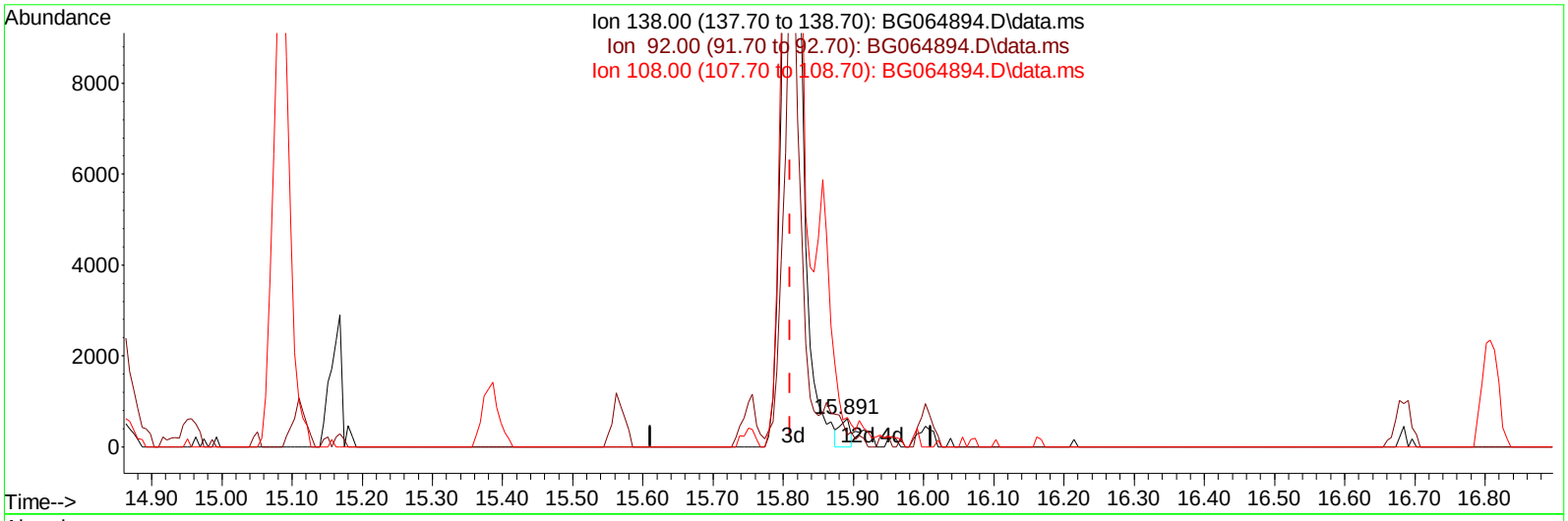
Quantitation Report (Qedit)

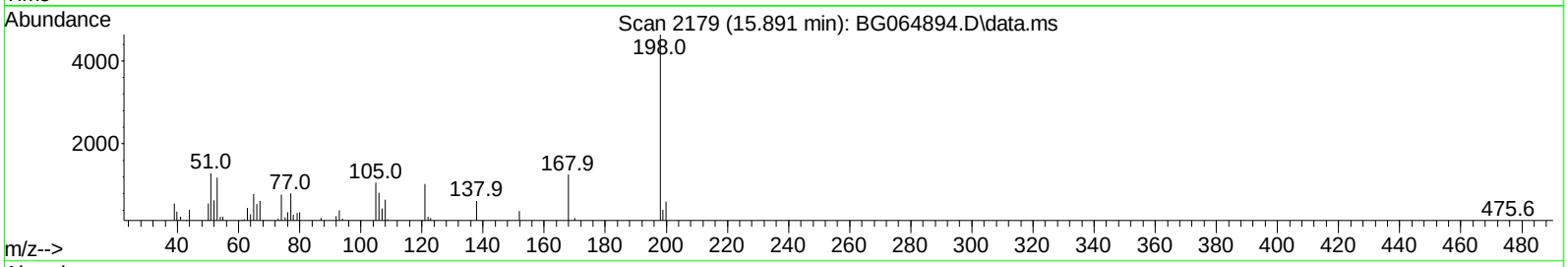
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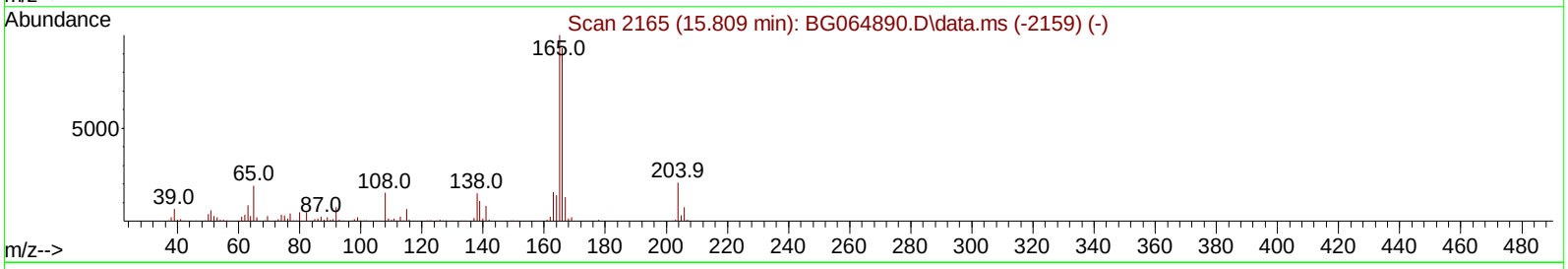
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TIC: BG064894.D\data.ms

(63) 4-Nitroaniline

15.891min (+ 0.081) 0.69 ng/ul

response 658

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	49.10	42.49
108.00	92.30	105.33
0.00	0.00	0.00

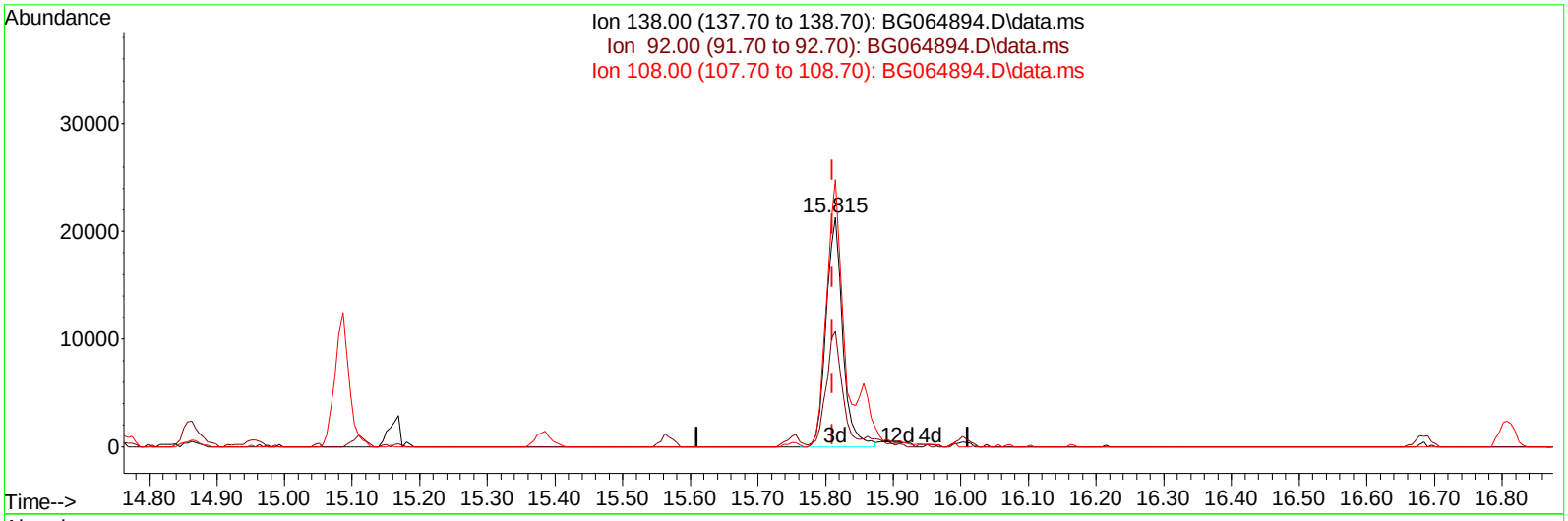
Quantitation Report (Qedit)

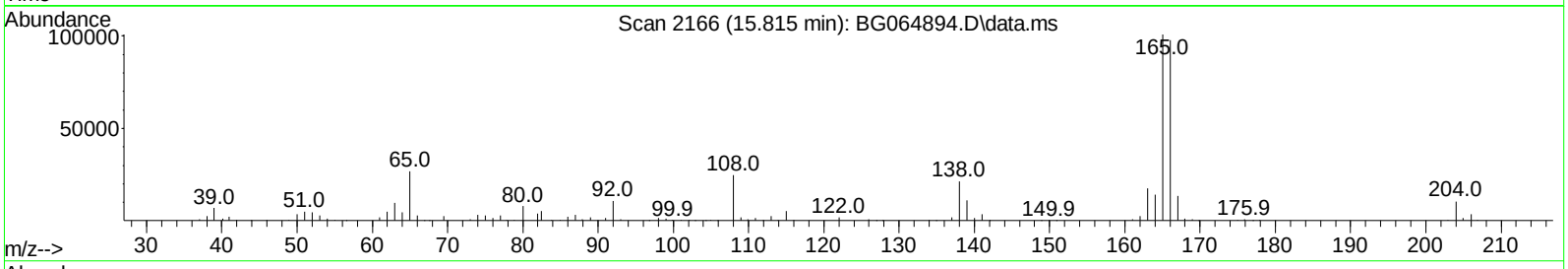
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064894.D
Acq On : 26 Nov 2025 18:25
Operator : RC/JU
Sample : PB170741BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

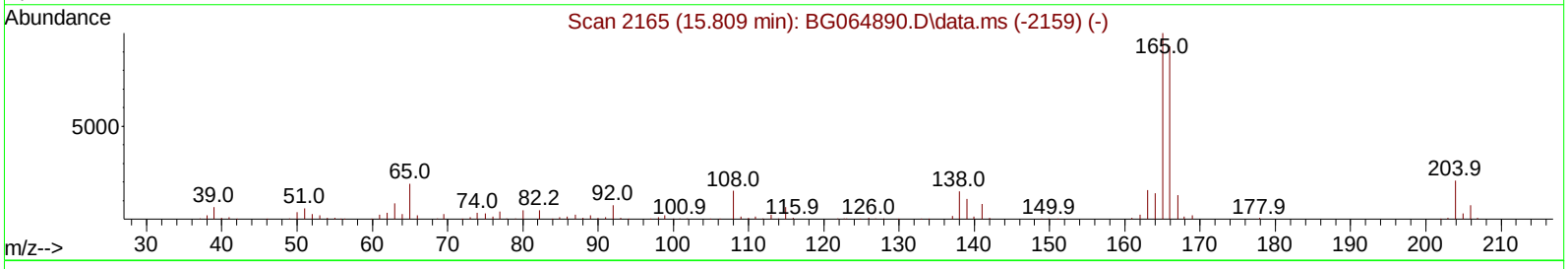
Quant Time: Dec 01 11:34:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM







TIC: BG064894.D\data.ms

(63) 4-Nitroaniline

15.815min (+ 0.004) 37.87 ng/ul m

response 36099

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	49.10	50.43
108.00	92.30	116.33#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064894.D
Acq On : 26 Nov 2025 18:25
Operator : RC/JU
Sample : PB170741BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 01 11:39:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	20586	20.000	ng/ul	0.00
20) Naphthalene-d8	10.973	136	81652	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.769	164	72467	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.495	188	191778	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.749	240	238844	20.000	ng/ul	# 0.00
88) Perylene-d12	25.004	264	273454	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.476	96	2280	4.390	ng/uL	0.00
4) Pyridine-d5	3.911	84	35522	24.822	ng/ul	0.00
7) Phenol-d5	7.301	99	50641	30.516	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.466	67	27588	25.993	ng/ul	0.00
11) 2-Chlorophenol-d4	7.683	132	43714	34.747	ng/ul	0.00
15) 4-Methylphenol-d8	8.858	113	44388	31.034	ng/ul	0.00
21) Nitrobenzene-d5	9.316	128	21108	34.274	ng/ul	0.00
24) 2-Nitrophenol-d4	10.045	143	26920	36.801	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.586	165	58667	38.899	ng/ul	0.00
31) 4-Chloroaniline-d4	11.097	131	46463	24.102	ng/ul	0.00
46) Dimethylphthalate-d6	14.164	166	191215	33.544	ng/ul	0.00
49) Acenaphthylene-d8	14.463	160	202963	33.247	ng/ul	0.00
54) 4-Nitrophenol-d4	14.945	143	27066	31.319	ng/ul	0.00
60) Fluorene-d10	15.750	176	175539	34.302	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.856	200	43906	35.759	ng/ul	0.00
73) Anthracene-d10	17.595	188	315692	32.578	ng/ul	0.00
81) Pyrene-d10	19.869	212	414831	33.813	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.781	264	492958	34.169	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	5063	8.427	ng/uL	97
5) Pyridine	3.934	79	33660	21.482	ng/ul	98
6) Benzaldehyde	7.278	77	3271m	4.013	ng/ul	
8) Phenol	7.330	94	50683	29.257	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.566	93	33016	25.771	ng/ul	99
12) 2-Chlorophenol	7.718	128	43619	32.737	ng/ul	95
13) 2-Methylphenol	8.594	108	41142	30.001	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.676	45	70594	26.246	ng/ul#	96
16) Acetophenone	8.982	105	67245	28.583	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.958	70	32420	28.727	ng/ul	94
18) 4-Methylphenol	8.923	108	44985	29.899	ng/ul	89
19) Hexachloroethane	9.252	117	17848	30.015	ng/ul	85
22) Nitrobenzene	9.363	77	49442	31.257	ng/ul	99
23) Isophorone	9.886	82	91202	29.432	ng/ul#	94
25) 2-Nitrophenol	10.080	139	26592	34.579	ng/ul	96
26) 2,4-Dimethylphenol	10.127	107	46410	28.018	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.362	93	47305	27.221	ng/ul#	93
29) 2,4-Dichlorophenol	10.615	162	53201	37.822	ng/ul	94
30) Naphthalene	11.026	128	148562	31.660	ng/ul	99
32) 4-Chloroaniline	11.120	127	34723	17.697	ng/ul	95
33) Hexachlorobutadiene	11.314	225	56371	38.207	ng/ul	91
34) Caprolactam	11.860	113	15012m	30.543	ng/ul	
35) 4-Chloro-3-methylphenol	12.231	107	53059	34.639	ng/ul	92

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064894.D
Acq On : 26 Nov 2025 18:25
Operator : RC/JU
Sample : PB170741BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 01 11:39:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS741

Manual Integrations APPROVED
mohammad
12/3/2025 1:12:48 AM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.618	142	111260	31.640 ng/ul	99
37) 1-Methylnaphthalene	12.836	142	112824	32.780 ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.977	216	102463	36.802 ng/ul	95
40) Hexachlorocyclopentadiene	12.965	237	52305	27.117 ng/ul	92
41) 2,4,6-Trichlorophenol	13.212	196	56679	36.827 ng/ul	91
42) 2,4,5-Trichlorophenol	13.282	196	60257	37.157 ng/ul	99
43) 1,1'-Biphenyl	13.611	154	164193	32.183 ng/ul#	96
44) 2-Chloronaphthalene	13.653	162	130074	32.477 ng/ul	99
45) 2-Nitroaniline	13.846	65	40932	34.378 ng/ul	100
47) Dimethylphthalate	14.211	163	191182	32.865 ng/ul	99
48) 2,6-Dinitrotoluene	14.328	165	38322	35.902 ng/ul	91
50) Acenaphthylene	14.493	152	209582	30.008 ng/ul	96
51) 3-Nitroaniline	14.657	138	31157	33.655 ng/ul	94
52) Acenaphthene	14.833	153	148504	32.427 ng/ul	97
53) 2,4-Dinitrophenol	14.863	184	22229	35.413 ng/ul	89
55) 4-Nitrophenol	14.957	109	32238	40.354 ng/ul#	80
56) Dibenzofuran	15.163	168	229371	32.813 ng/ul	99
57) 2,4-Dinitrotoluene	15.110	165	59515	36.648 ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.386	232	67330	36.665 ng/ul#	92
59) Diethylphthalate	15.568	149	183677	32.150 ng/ul	96
61) Fluorene	15.809	166	180168	32.858 ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.797	204	119312	35.682 ng/ul	97
63) 4-Nitroaniline	15.815	138	36099m	37.871 ng/ul	
66) 4,6-Dinitro-2-methylph...	15.873	198	42003	35.200 ng/ul#	93
67) N-Nitrosodiphenylamine	16.003	169	161938	31.420 ng/ul	97
68) 4-Bromophenyl-phenylether	16.684	248	93372	36.520 ng/ul	99
69) Hexachlorobenzene	16.808	284	116543	37.573 ng/ul	97
70) Atrazine	16.937	200	9032	3.663 ng/ul	100
71) Pentachlorophenol	17.148	266	54899	31.874 ng/ul	98
72) Phenanthrene	17.542	178	333434	31.094 ng/ul	98
74) Anthracene	17.630	178	337993	31.422 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.576	216	101228	35.110 ng/ul	98
76) Pentachlorobenzene	15.086	250	117524	35.879 ng/ul	96
77) Carbazole	17.895	167	276975	31.575 ng/ul	99
78) Di-n-butylphthalate	18.441	149	319718	31.512 ng/ul#	98
80) Fluoranthene	19.534	202	452497	32.927 ng/ul#	93
82) Pyrene	19.892	202	476259	33.202 ng/ul#	94
83) Butylbenzylphthalate	20.762	149	142415	30.064 ng/ul	98
84) 3,3'-Dichlorobenzidine	21.637	252	174303	34.269 ng/ul	99
85) Benzo(a)anthracene	21.725	228	539944	33.719 ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.625	149	205386	29.317 ng/ul#	97
87) Chrysene	21.796	228	512777	33.084 ng/ul	100
89) Di-n-octyl phthalate	22.842	149	358783	28.792 ng/ul	100
90) Benzo(b)fluoranthene	23.970	252	559018	33.203 ng/ul#	98
91) Benzo(k)fluoranthene	24.034	252	563790	32.726 ng/ul#	97
93) Benzo(a)pyrene	24.851	252	513280	32.054 ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.717	276	687502	33.419 ng/ul#	96
95) Dibenzo(a,h)anthracene	28.782	278	568889	34.279 ng/ul#	98
96) Benzo(g,h,i)perylene	29.886	276	525321	31.636 ng/ul#	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170717

SOP ID: MSFAM01.1-Sample Prep-3

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3870

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 6,7

Extraction Start Date : 11/21/2025

Extraction Start Time : 08:40

Extraction End Date : 11/21/2025

Extraction End Time : 16:10

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [ ] Seperatory Funnel [√] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	80 PPM	SP6931
Surrogate	0.5ML	80/16/0.8 PPM	SP6932
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/21/25	RS (Ext lab)	JH/SVOC
16:15	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170717

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170717BL	SBLK717	SVOCMS Group1	1000	6	RUPESH	ritesh	1			
PB170717BS	SLCS717	SVOCMS Group1	1000	6	RUPESH	ritesh	1			
Q3688-01	M-31S	SVOCMS Group1	1000	6	RUPESH	ritesh	1	E		
Q3688-02	Q3688-01MS	SVOCMS Group1	990	6	RUPESH	ritesh	1	E		
Q3688-03	Q3688-01MSD	SVOCMS Group1	980	6	RUPESH	ritesh	1	E		

RS 11/21

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170719

SOP ID: MSFAM01.1-Sample Prep-3

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3870

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 6,7

Extraction Start Date : 11/21/2025

Extraction Start Time : 08:45

Extraction End Date : 11/21/2025

Extraction End Time : 16:15

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [ ] Seperatory Funnel [√] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	80 PPM	SP6931
Surrogate	0.5ML	80/16/0.8 PPM	SP6932
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/21/25	RS (Ext-lab)	JH/SVOC
16:20	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170719

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170719BL	SBLK719	SVOCMS Group1	1000	6	RUPESH	ritesh	1			
PB170719BS	SLCS719	SVOCMS Group1	1000	6	RUPESH	ritesh	1			
Q3688-04	RBGW-20251119	SVOCMS Group1	970	6	RUPESH	ritesh	1	E		
Q3688-06	M-32I	SVOCMS Group1	1000	11	RUPESH	ritesh	1	E		
Q3688-09	M-31I	SVOCMS Group1	990	6	RUPESH	ritesh	1	E		
Q3688-10	M-32S	SVOCMS Group1	1000	6	RUPESH	ritesh	1	E		
Q3688-11	RBGW-20251120	SVOCMS Group1	1000	6	RUPESH	ritesh	1	E		

RS
11/21

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170721

SOP ID: MSFAM01.1-Sample Prep-3

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3870

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 6,7

Extraction Start Date : 11/24/2025

Extraction Start Time : 08:45

Extraction End Date : 11/24/2025

Extraction End Time : 16:15

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☑ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	80 PPM	SP6931
Surrogate	0.5ML	80/16/0.8 PPM	SP6932
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/24/25	RS (Ext lab)	JH/SVOC
16:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170721

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170721BL	SBLK721	SVOCMS Group1	1000	6	ritesh	RUPESH	1			
PB170721BS	SLCS721	SVOCMS Group1	1000	6	ritesh	RUPESH	1			
Q3688-12	M-30S	SVOCMS Group1	1000	6	ritesh	RUPESH	1	E		
Q3688-13	M-30I	SVOCMS Group1	990	6	ritesh	RUPESH	1	E		
Q3688-15	FDGW-20251120	SVOCMS Group1	980	6	ritesh	RUPESH	1	E		
Q3688-16	WS-14	SVOCMS Group1	1000	6	ritesh	RUPESH	1	E		

RS
11/24

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170723

SOP ID: MSFAM01.1-Sample Prep-3

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3870

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 6,7

Extraction Start Date : 11/24/2025

Extraction Start Time : 08:50

Extraction End Date : 11/24/2025

Extraction End Time : 16:20

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☑ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	80 PPM	SP6931
Surrogate	0.5ML	80/16/0.8 PPM	SP6932
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/24/25	RS (Ext-lab)	JY/SVOC
16:25	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170723

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/24/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170723BL	SBLK723	SVOCMS Group1	1000	6	ritesh	RUPESH	1			
PB170723BS	SLCS723	SVOCMS Group1	1000	6	ritesh	RUPESH	1			
Q3688-17	M-29	SVOCMS Group1	1000	6	ritesh	RUPESH	1	E		
Q3688-18	RBGW-20251121	SVOCMS Group1	1000	6	ritesh	RUPESH	1	E		
Q3688-19	M-28I	SVOCMS Group1	990	6	ritesh	RUPESH	1	E		
Q3688-20	WS-1	SVOCMS Group1	980	6	ritesh	RUPESH	1	E		

RS
11/24

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170741

SOP ID:	MSFAM01.1-Sample Prep-3				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/25/2025
Matrix :	Water			**Extraction Start Time :**	08:50
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	11/25/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:20
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3870	**Hood ID:**	6,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☑ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	80 PPM	SP6931
Surrogate	0.5ML	80/16/0.8 PPM	SP6932
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/25/25	RS (Ext-lab)	Rc/Pest PCB
16:25	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170741

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/25/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170741BL	SBLK741	SVOCMS Group1	1000	6	RUPESH	ritesh	1			
PB170741BS	SLCS741	SVOCMS Group1	1000	6	RUPESH	ritesh	1			
Q3688-22	RBGW-20251124	SVOCMS Group1	990	6	RUPESH	ritesh	1	E		
Q3688-23	M-285	SVOCMS Group1	960	6	RUPESH	ritesh	1	E		

RS 11/25

* **Extracts relinguished on the same date as received.**

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Prep Standard - Chemical Standard Summary

Order ID : Q3688

Test : SVOCMS Group1

Prepbatch ID : PB170717,PB170719,PB170721,PB170723,PB170741,

Sequence ID/Qc Batch ID: BG112525,BG112425

Standard ID :
EP2657,EP2663,SP6868,SP6886,SP6887,SP6888,SP6889,SP6890,SP6891,SP6892,SP6929,SP6930,SP6931,SP6932,

Chemical ID :
10ul/1000ul sample,E3875,E3964,E3973,E3986,M6186,S11606,S11712,S11791,S11829,S11870,S11871,S12228,S12246,S12247,S12256,S12262,S12308,S12564,S12574,S12675,S12740,S12741,S12743,S12777,S12778,S12802,S12805,S12823,S12824,S12826,S12870,S12871,S13121,S13123,S13177,S13183,S13184,S13249,S13299,V14937,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2657	11/03/2025	05/03/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 11/03/2025

FROM 1000.00000ml of M6186 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2663	11/20/2025	05/20/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 11/20/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4038	SFAM Tune 50ng/ul DFTPP	SP6868	09/08/2025	03/08/2026	Jagrut Upadhyay	None	None	Rahul Chavli 09/08/2025

FROM 0.10000ml of S12574 + 4.90000ml of E3964 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3858	SFAM ICALSTOCK 200ppm : 5?.?0 ml	SP6886	10/08/2025	01/31/2026	Jagrut Upadhyay	None	None	Rahul Chavli 10/09/2025

FROM 0.20000ml of E3973 + 0.20000ml of S11712 + 0.20000ml of S12256 + 0.20000ml of S12262 + 0.20000ml of S13121 + 0.50000ml of S12246 + 0.50000ml of S12777 + 0.50000ml of S12805 + 0.50000ml of S12823 + 1.00000ml of S12308 + 1.00000ml of S12741 = Final Quantity: 5.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3859	SFAM SSTD005	SP6887	10/08/2025	01/31/2026	Jagrut Upadhyay	None	None	Rahul Chavli 10/09/2025

FROM 0.01000ml of S13177 + 0.97500ml of E3973 + 0.02500ml of SP6886 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3860	SFAM SSTD010	SP6888	10/08/2025	01/31/2026	Jagrut Upadhyay	None	None	Rahul Chavli 10/09/2025

FROM 0.01000ml of S13177 + 0.95000ml of E3973 + 0.05000ml of SP6886 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3861	SFAM SSTD020	SP6889	10/08/2025	01/31/2026	Jagrut Upadhyay	None	None	Rahul Chavli 10/09/2025

FROM 0.01000ml of S13177 + 0.90000ml of E3973 + 0.10000ml of SP6886 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3862	SFAM SSTD040	SP6890	10/08/2025	01/31/2026	Jagrut Upadhyay	None	None	Rahul Chavli 10/09/2025

FROM 0.01000ml of S13177 + 0.80000ml of E3973 + 0.20000ml of SP6886 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3863	SFAM SSTD080	SP6891	10/08/2025	01/31/2026	Jagrut Upadhyay	None	None	Rahul Chavli 10/09/2025

FROM 0.01000ml of S13177 + 0.60000ml of E3973 + 0.40000ml of SP6886 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3864	SFAM SSTD160	SP6892	10/08/2025	01/31/2026	Jagrut Upadhyay	None	None	Rahul Chavli 10/09/2025

FROM 0.01000ml of S13177 + 0.20000ml of E3973 + 0.80000ml of SP6886 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3865	SFAM ICV STOCK 200 PPM 2.0ml	SP6929	11/21/2025	03/03/2026	Jagrut Upadhyay	None	None	Rahul Chavli 12/04/2025

FROM 0.04000ml of E3986 + 0.04000ml of S11606 + 0.04000ml of S11712 + 0.04000ml of S11791 + 0.04000ml of S12802 + 0.10000ml of S12805 + 0.10000ml of S12823 + 0.20000ml of S12564 + 0.20000ml of S13249 + 0.20000ml of S13299 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3866	SFAM ICV 20 PPM	SP6930	11/21/2025	03/03/2026	Jagrut Upadhyay	None	None	Rahul Chavli 12/04/2025

FROM 0.01000ml of S13183 + 0.90000ml of E3986 + 0.10000ml of SP6929 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3801	SFAM Spike Solution (80ng)	SP6931	11/21/2025	02/28/2026	Jagrut Upadhyay	None	None	Rahul Chavli 12/04/2025

FROM 0.20000ml of S12777 + 0.30000ml of S12741 + 0.40000ml of S12246 + 0.40000ml of S12256 + 0.40000ml of S12262 + 0.40000ml of S12740 + 0.40000ml of S13123 + 0.60000ml of S12247 + 0.80000ml of S11871 + 0.80000ml of S12778 + 1.00000ml of S12228 + 1.00000ml of S12675 + 1.20000ml of S11870 + 1.30000ml of S12743 + 15.80000ml of V14937 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3867	SFAM Surrogates Solution 80/16/0.8 ppm	SP6932	11/21/2025	03/03/2026	Jagrut Upadhyay	None	None	Rahul Chavli 12/04/2025

FROM 0.02000ml of S11829 + 0.20000ml of S12805 + 0.20000ml of S12826 + 0.40000ml of S11712 + 0.50000ml of S12823 + 0.50000ml of S12871 + 1.30000ml of S12824 + 1.30000ml of S12870 + 45.58000ml of V14937 = Final Quantity: 50.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	08/14/2025 / RUPESH	03/06/2025 / RUPESH	E3964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	11/14/2025 / RUPESH	11/05/2025 / RUPESH	E3986

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	98496 / 1,2,3,4-Tetrachlorobenzene, 5000 ug/mL, in MeCl2	051922	03/03/2026	09/03/2025 / Jagrut	10/02/2023 / Kiran	S11606

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30614 / 1,4-Dioxane-D8 Standard	A0199745	03/03/2026	09/03/2025 / Jagrut	11/20/2023 / Rahul	S11712

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/18/2026	11/18/2025 / Jagrut	11/21/2023 / Rahul	S11791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	33913 / SOM01.0 SIM Analysis Standard (Surrogate), 2000 PPM	A0201976	05/21/2026	11/21/2025 / Jagrut	11/21/2023 / rahul	S11829

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32208 / atrazine, 1,000 µg/mL in acetone, 1 mL/ampul	A0202634	05/21/2026	11/21/2025 / Jagrut	11/21/2023 / rahul	S11870

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32208 / atrazine, 1,000 µg/mL in acetone, 1 mL/ampul	A0202634	05/21/2026	11/21/2025 / Jagrut	11/21/2023 / rahul	S11871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31833 / caprolactam, 2,000 µg/mL in methylene chloride, 1 mL/ampul	A0209230	03/31/2026	11/21/2025 / Jagrut	03/27/2024 / Rahul	S12228

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	04/08/2026	10/08/2025 / Jagrut	05/14/2024 / Rahul	S12246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	05/21/2026	11/21/2025 / Jagrut	05/14/2024 / Rahul	S12247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	98496 / 1,2,3,4-Tetrachlorobenzene, 5000 ug/mL, in MeCl2	040524	04/08/2026	10/08/2025 / Jagrut	05/15/2024 / Rahul	S12256

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	98495 / Pentachlorobenzene, 5000 ug/mL, in MeCl2	111722	04/08/2026	10/08/2025 / Jagrut	05/15/2024 / Rahul	S12262

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	10/08/2025 / Jagrut	05/30/2024 / Rahul	S12308

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/31/2026	11/17/2025 / Jagrut	07/23/2024 / RAHUL	S12564

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31001 / SV Tuning Compound Standard, 2500 ug/ml,	A0209632	03/31/2027	02/28/2025 / Rahul	08/01/2024 / Rahul	S12574

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	33017 / Benzaldehyde, 2000 ug/ml	A0208538	03/31/2026	11/21/2025 / Jagrut	09/20/2024 / anahy	S12675

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/28/2026	11/07/2025 / Jagrut	10/08/2024 / anahy	S12740

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/28/2026	10/01/2025 / Jagrut	10/08/2024 / anahy	S12741

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/28/2026	11/21/2025 / Jagrut	10/08/2024 / anahy	S12743

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	04/08/2026	10/08/2025 / Jagrut	11/08/2024 / anahy	S12777

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	05/21/2026	11/21/2025 / Jagrut	11/08/2024 / anahy	S12778

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	98495 / Pentachlorobenzene, 5000 ug/mL, in MeCl2	111324	05/21/2026	11/21/2025 / Jagrut	11/14/2024 / anahy	S12802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31046 / Pyridine-d5, Solvent Methylene Chloride, 2000 ug/L	A0219219	04/08/2026	10/08/2025 / Jagrut	11/25/2024 / anahy	S12805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31810 / SV Mix, OLC 03.2 SVOA Deuterated Monitoring Compounds, 1mL, 2000ug/mL, CH2Cl2	A0219252	04/08/2026	10/08/2025 / Jagrut	11/27/2024 / anahy	S12823

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31810 / SV Mix, OLC 03.2 SVOA Deuterated Monitoring Compounds, 1mL, 2000ug/mL, CH2Cl2	A0219252	05/21/2026	11/21/2025 / Jagrut	11/27/2024 / anahy	S12824

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31810 / SV Mix, OLC 03.2 SVOA Deuterated Monitoring Compounds, 1mL, 2000ug/mL, CH2Cl2	A0219252	05/21/2026	11/21/2025 / Jagrut	11/27/2024 / anahy	S12826

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31046 / Pyridine-d5, Solvent Methylene Chloride, 2000 ug/L	A0219219	05/21/2026	11/21/2025 / Jagrut	12/09/2024 / anahy	S12870

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31046 / Pyridine-d5, Solvent Methylene Chloride, 2000 ug/L	A0219219	05/21/2026	11/21/2025 / Jagrut	12/09/2024 / anahy	S12871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	04/08/2026	10/08/2025 / Jagrut	05/20/2025 / Rahul	S13121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	05/17/2026	11/17/2025 / Jagrut	05/20/2025 / Rahul	S13123

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	04/02/2026	10/02/2025 / Rahul	06/02/2025 / anahy	S13177

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	05/13/2026	11/13/2025 / rahul	06/02/2025 / anahy	S13183

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	05/21/2026	11/21/2025 / Jagrut	06/02/2025 / anahy	S13184

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	04/27/2026	10/27/2025 / Jagrut	08/06/2025 / Rahul	S13249

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0229652	04/27/2026	10/27/2025 / Jagrut	10/15/2025 / rahul	S13299

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/30/2026	10/31/2025 / Amit	05/09/2025 / SAM	V14937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

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MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375)**	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on

E 3964

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Received on 11/5/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3986

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

M6186

Recien Date 8- 08/06/25

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities - Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities - Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities - Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities - Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities - Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities - Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 286 1700

Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number: 98496
Lot Number: 051922
Description: 1,2,3,4-Tetrachlorobenzene

Solvent(s): Methylene chloride **Lot#** 105345

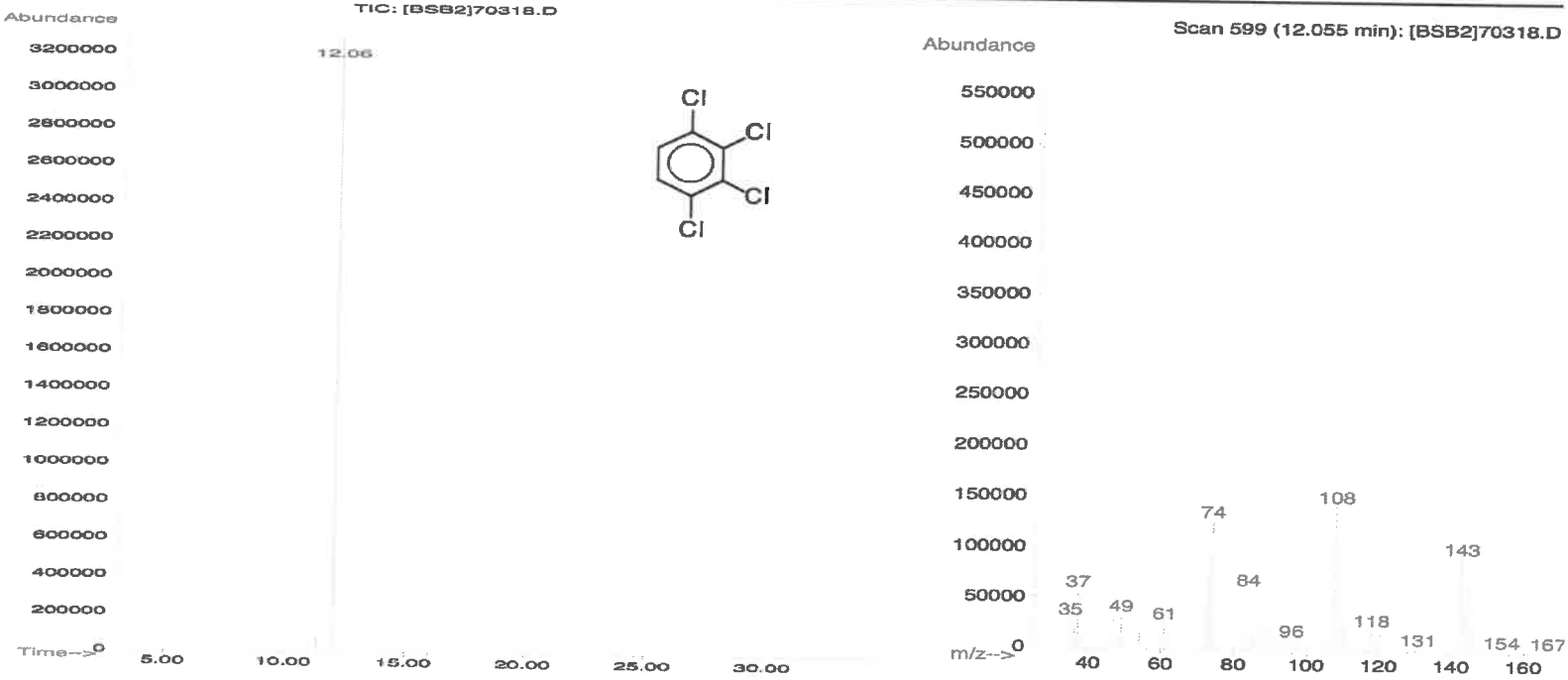
Expiration Date: 051927
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.006 Flask Uncertainty

Formulated By: Prashant
Reviewed By: Pedro L. R

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Info (Solvent Safety Info) CAS#	OSHA PE
1. 1,2,3,4-Tetrachlorobenzene	318	FBW01	5000	97.3	0.2	0.10297	0.10300	5001.7	21.3	634-66-2	N/

Method GC8MSD-3.M: Column: (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1min.), Temp 2 = 300°C (4 min.), Rate = 10°C/min., Injector B= 200°C 300°C. Analysis performed by Nicole Poisson.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30614 **Lot No.:** A0199745

Description : 1,4-dioxane-d8 Standard

1,4-dioxane-d8 Standard 2000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

S11707 ↓ S11718 RC 11/21/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane-d8	17647-74-4	RP230605	99%	2,008.4 µg/mL	+/- 24.9949

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

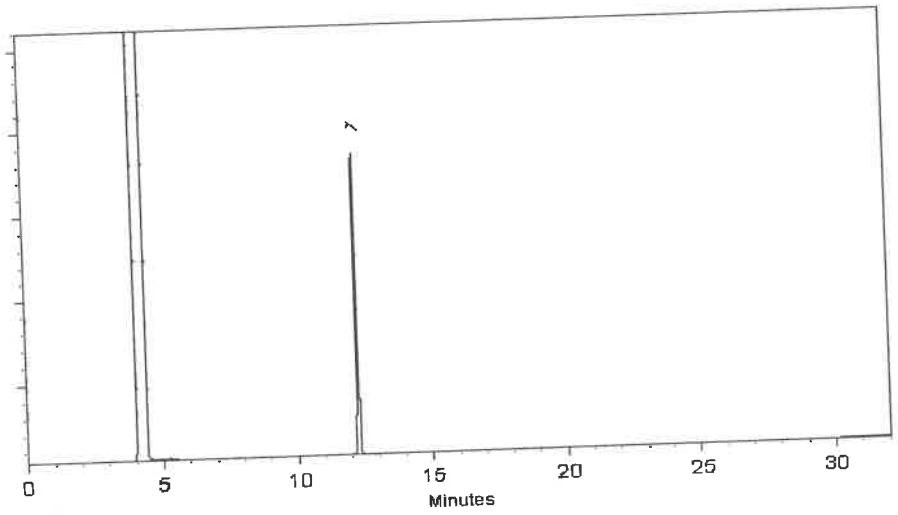
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I

Date Mixed: 10-Jul-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

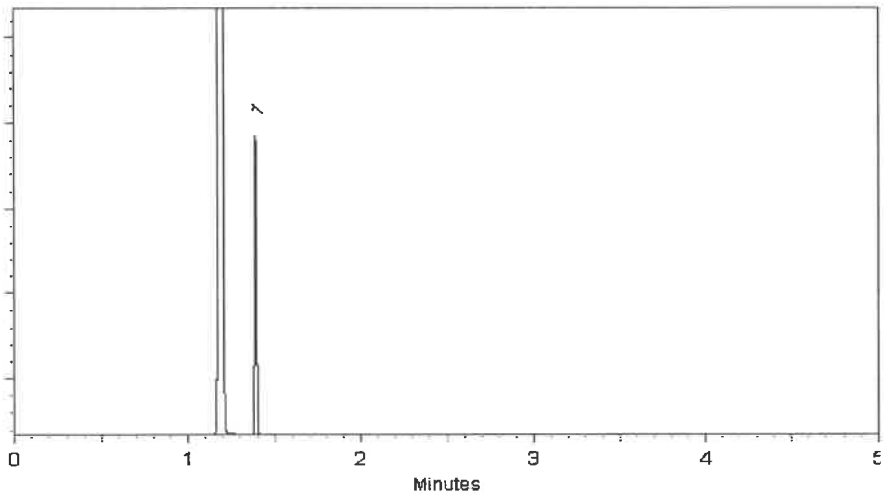
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 33913 **Lot No.:** A0201976

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

S11828 ↓ S11832 } RC/ 11/30/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylnaphthalene-d10	7297-45-2	EF-135	98%	2,015.9 µg/mL	+/- 90.8098
2	Fluoranthene-d10	93951-69-0	PR-32557	99%	2,020.0 µg/mL	+/- 90.9963

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

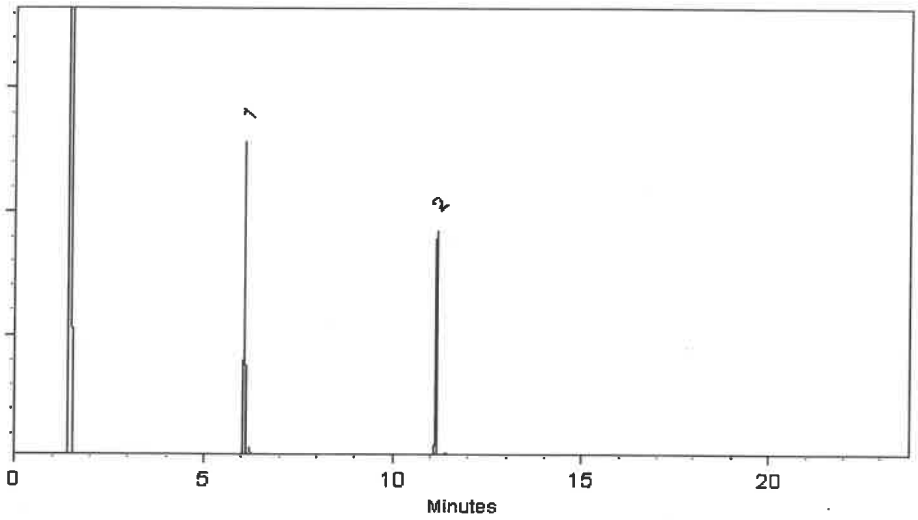
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 13-Sep-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 28-Sep-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32208 **Lot No.:** A0202634

Description : Atrazine Standard

Atrazine Standard 1000 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511853
↓
511876
RC
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Atrazine	1912-24-9	5FYWL	99%	1,009.4 µg/mL	+/- 45.1186

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

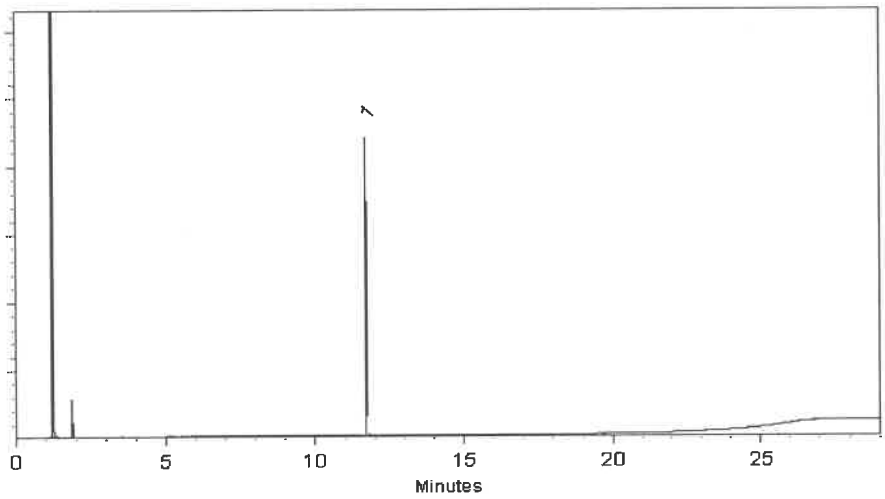
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 29-Sep-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31833 **Lot No.:** A0209230

Description : Epsilon-Caprolactam Standard

Epsilon-caprolactam Std 2000µg/mL, Methylene Chloride(Methanol free), 1mL/ampul

S12222 ↓ S12231 RC/ 03/28/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	epsilon-Caprolactam	105-60-2	I16X016	99%	2,005.0 µg/mL	+/- 39.7996

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

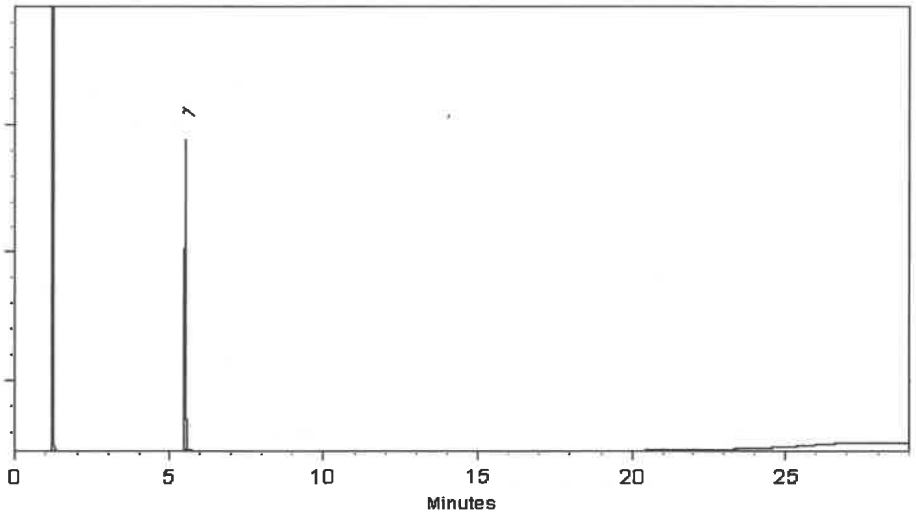
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Mar-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 25-Mar-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

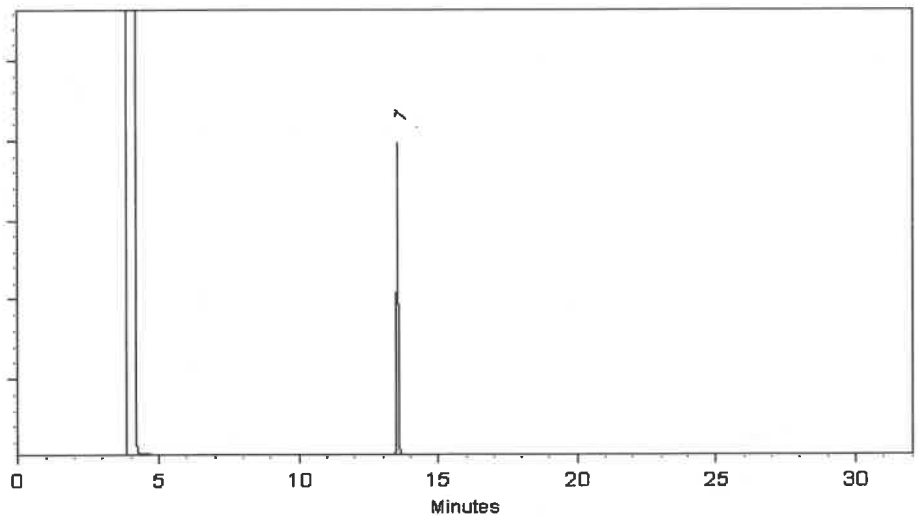
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 98496
Lot Number: 040524
Description: 1,2,3,4-Tetrachlorobenzene

Solvent(s): **Lot#**
Methylene chloride 23030243

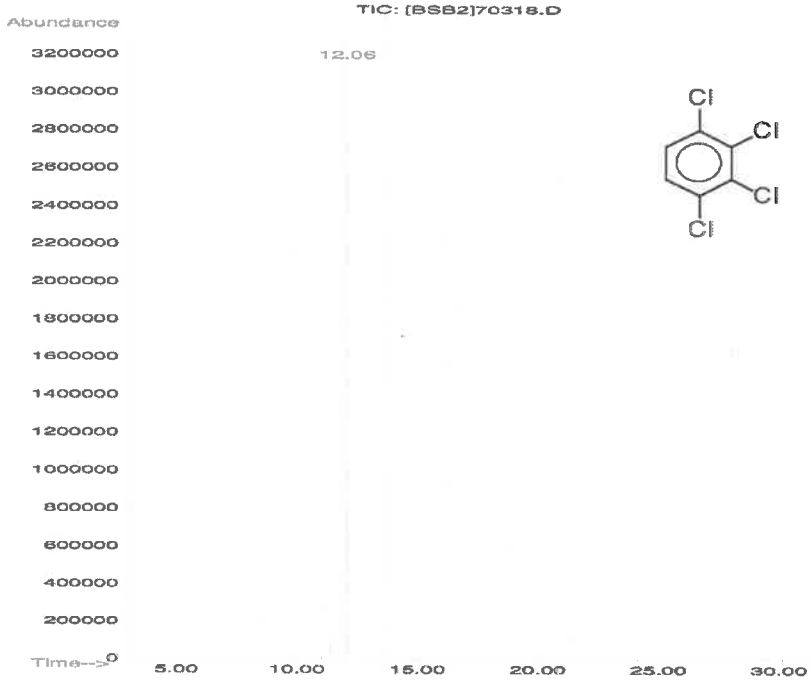
Expiration Date: 040529
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

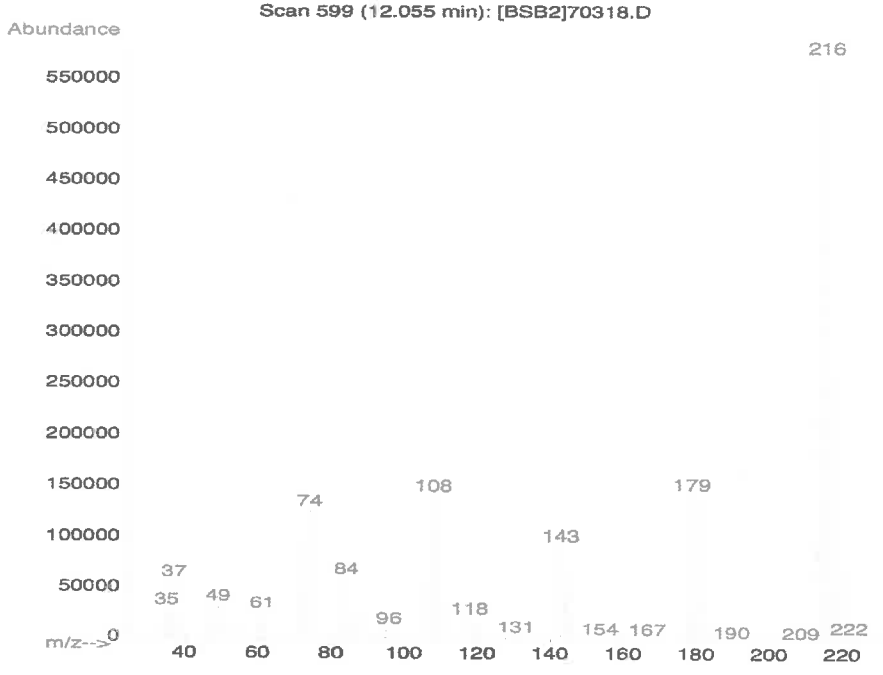
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

040524	
Formulated By: Anthony Mahoney	DATE
040524	
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1,2,3,4-Tetrachlorobenzene	318	FBW01	5000	97.3	0.2	0.25709	0.25742	5006.4	20.7	634-66-2	N/A	orl-rat 1167mg/kg

Method GC8MSD-3.M: Column: (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1min.), Temp 2 = 300°C (4 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C. Analysis performed by Nicole Poisson.





S18255 RC 5/15/24
↓
S12259

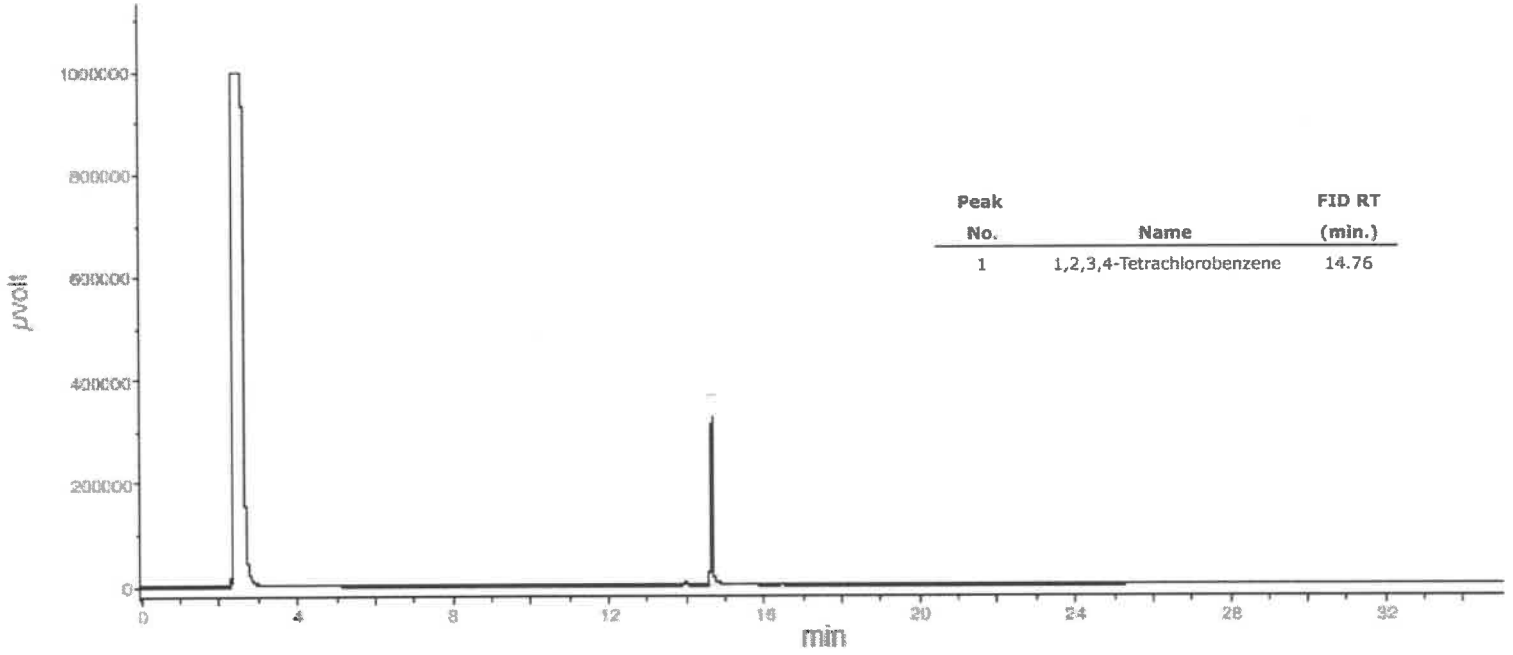
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 83, "P98496 L040524 [5000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Mon, May 13, 2024 at 11:16:19 AM.
Sampled: Sequence "050924-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments

GC9-M1 Analysis by Melissa Stonier
Column ID Rtx-5 30 meter x 0.53mm x .5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range =3



Peak No.	Name	FID RT (min.)
1	1,2,3,4-Tetrachlorobenzene	14.76

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 98495
Lot Number: 111722
Description: Pentachlorobenzene

Expiration Date: 111727
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

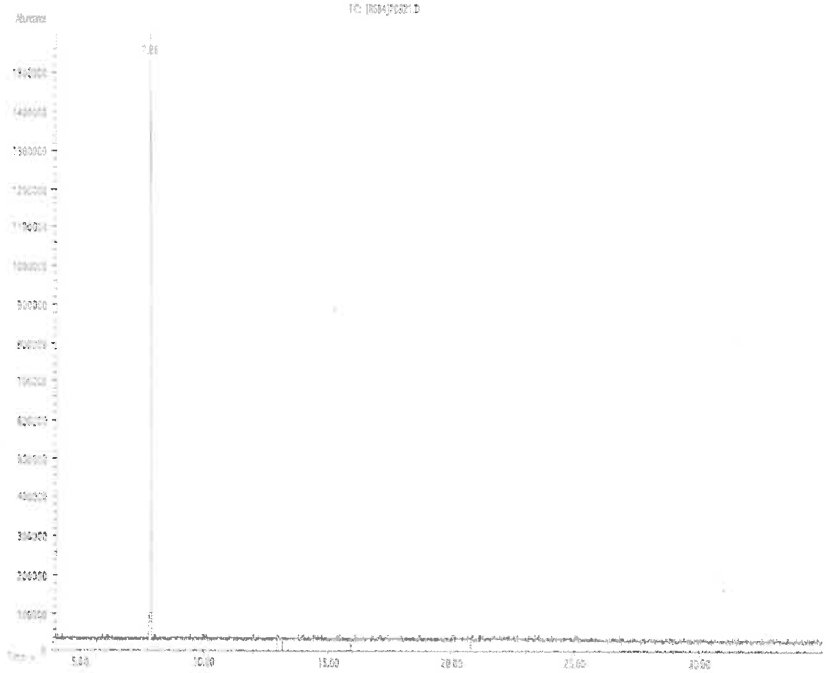
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

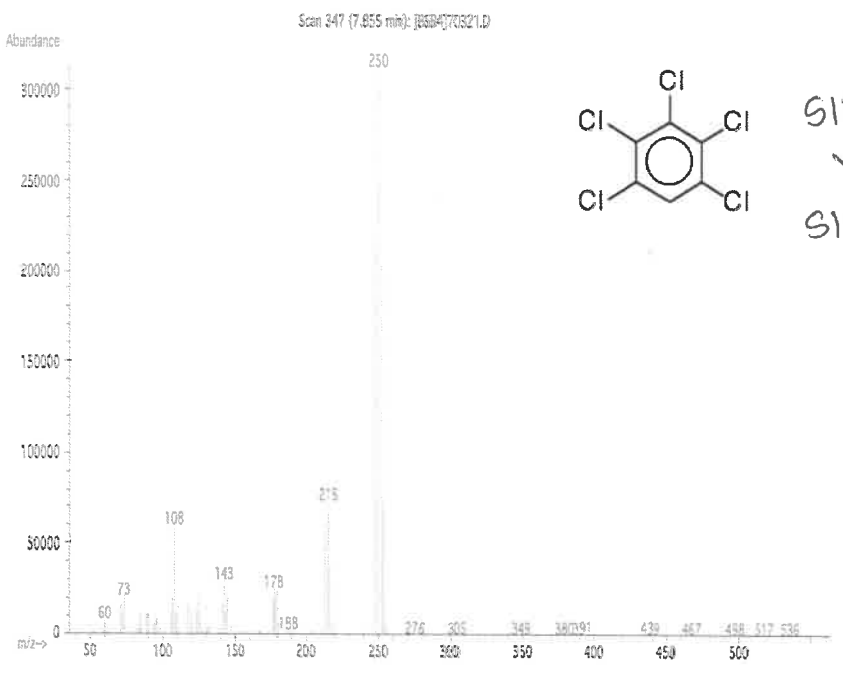
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

		111722
Formulated By:	Prashant Chauhan	DATE
		111722
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Pentachlorobenzene	321	2705100	5000	99.5	0.5	0.15084	0.15092	5002.8	50.4	608-93-5	N/A	orl-rat 1080mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





S12260 ↓ S12264 RC/ 05/15/24

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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S12302 ↓ S12311 RC 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

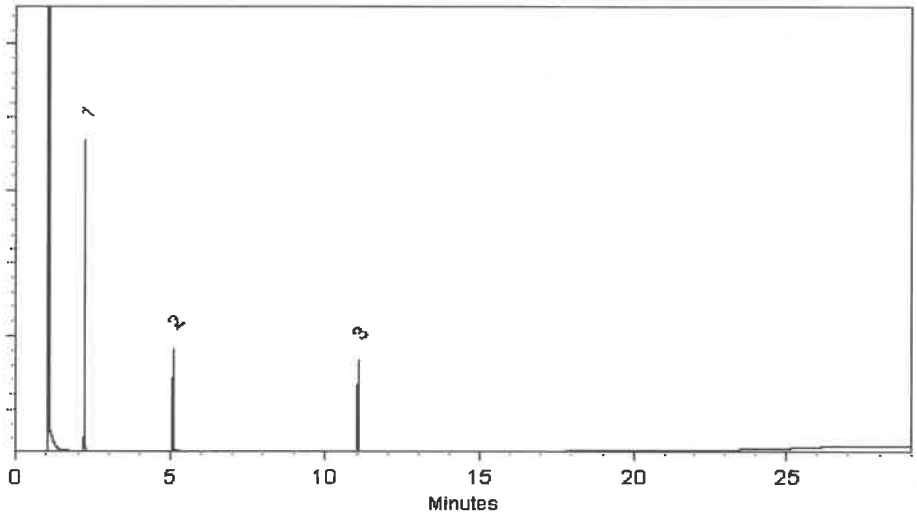
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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gravimetric

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31001 **Lot No.:** A0209632

Description : SV Tuning Compound Standard

Tuning Std Decafluorotriphenylphosphine 2500µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	2,516.0 µg/mL	+/- 113.3634

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12574 ↓ S12576 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

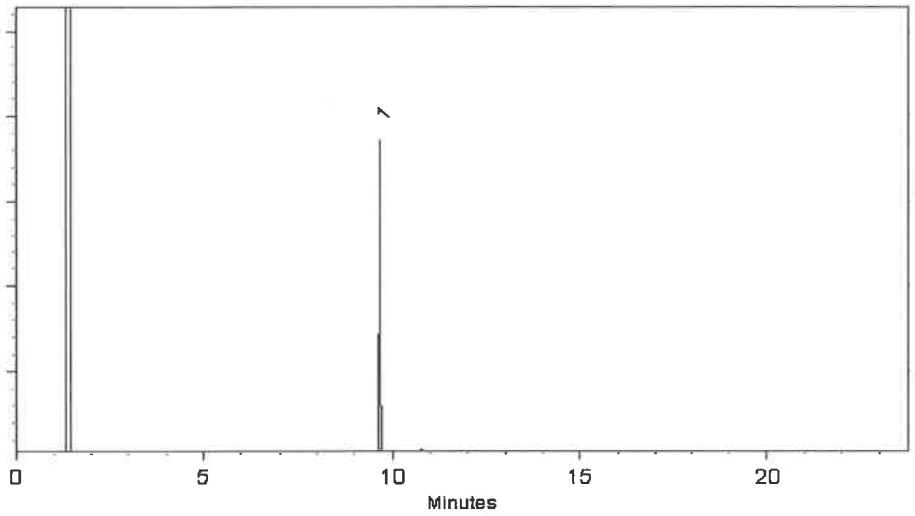
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I **Date Mixed:** 29-Mar-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 02-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 33017 **Lot No.:** A0208538

Description : Benzaldehyde Standard

Benzaldehyde Standard 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,009.3 µg/mL	+/- 59.0355

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12675 ↓ S12684 } AC 10/1/24

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Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

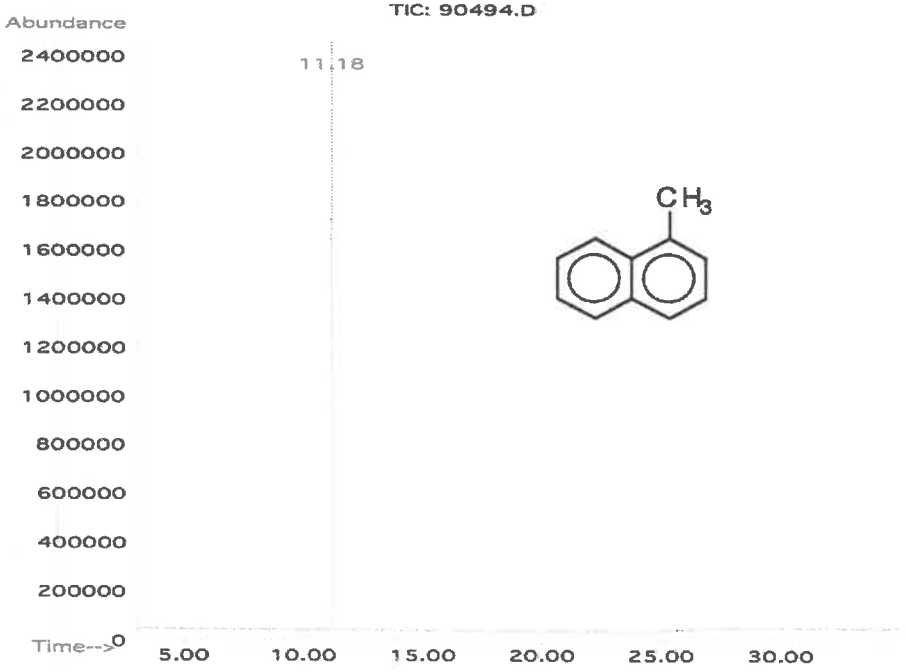
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

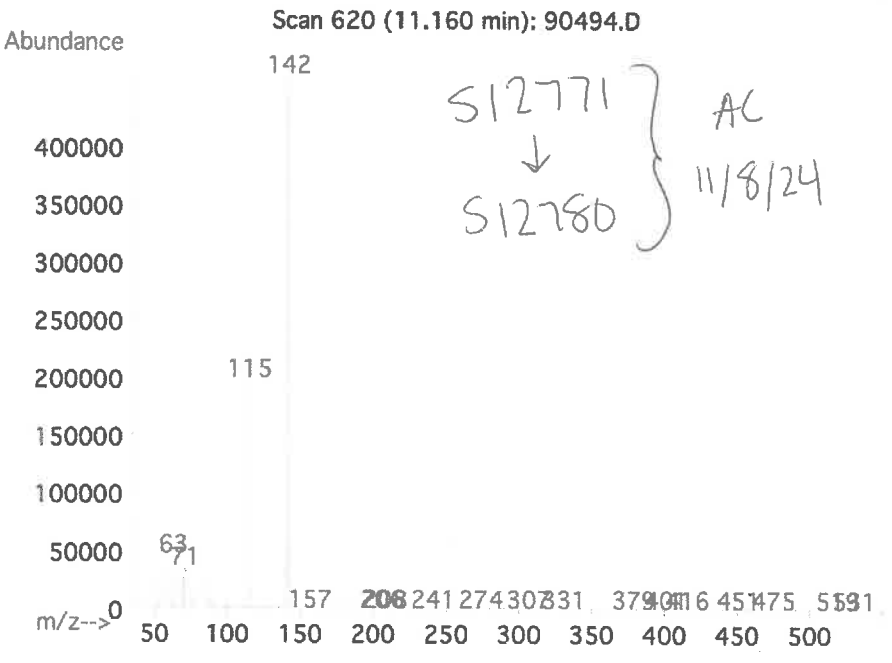
Formulated By:	Prashant Chauhan	061323 DATE
Reviewed By:	Pedro L. Rentas	061323 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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CERTIFIED WEIGHT REPORT

Part Number: 98495
Lot Number: 111324
Description: Pentachlorobenzene

Solvent(s): Methylene chloride **Lot#** 23343

Expiration Date: 111329
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

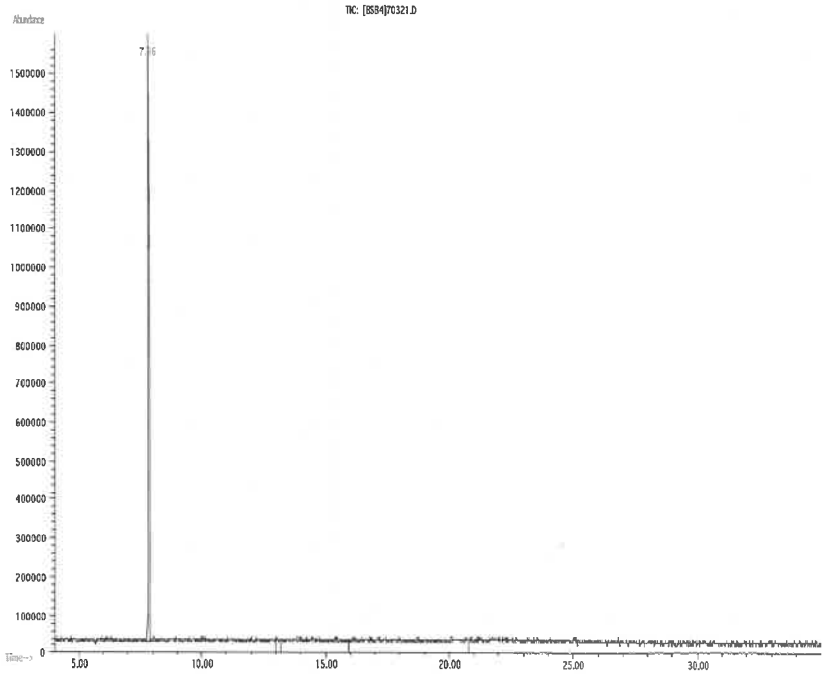
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

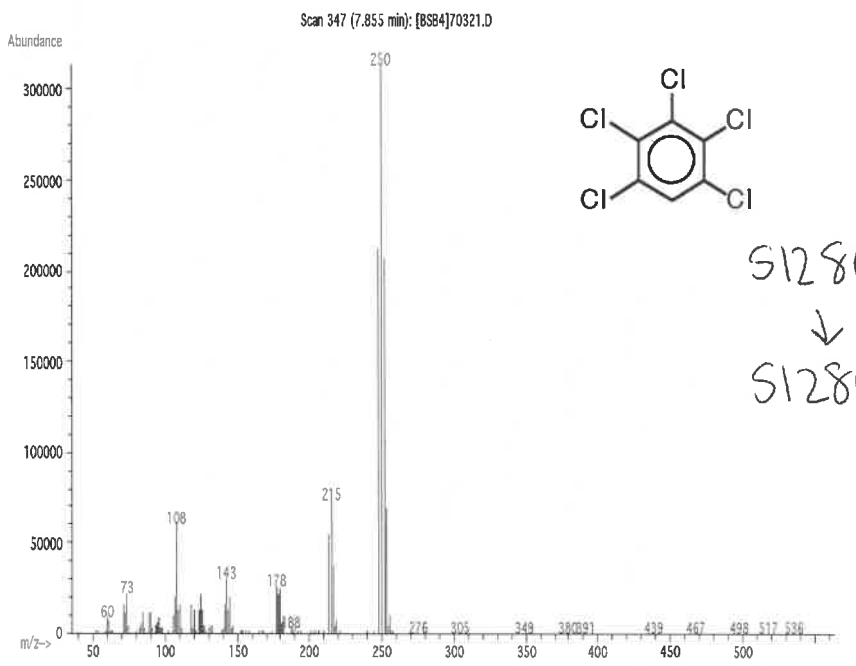
Weight(s) shown below were combined and diluted to (mL): 30.0

		111324
Formulated By:	Anthony Mahoney	DATE
		111324
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Pentachlorobenzene	321	2705100	5000	99.5	0.5	0.15086	0.15103	5005.7	50.4	608-93-5	N/A	orl-rat 1080mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





S12800 ↓ S12804 } AC 11/14/24

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

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S12805 ↓ S12819 AC 11/25/24

Catalog No. : 31046 **Lot No.:** A0219219

Description : Pyridine-d5 Mix

Pyridine-d5 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine-d5	7291-22-7	M-317	99%	2,012.5 µg/mL	+/- 35.9772

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31810 **Lot No.:** A0219252

Description : OLC03.2 SVOA Deuterated Monitoring Compounds Mix

OLC 03.2 SVOA Deuterated Monitoring Compounds, 1mL/ampul, Methylene Chloride, 2000µg/mL

S12820 ↓ S12839 } AC 11/27/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol-d5	4165-62-2	HJ-481	99%	2,005.0 µg/mL	+/- 60.6483
2	bis(2-Chloroethyl) ether-d8	93952-02-4	PR-31659	99%	2,004.5 µg/mL	+/- 60.6332
3	2-Chlorophenol-d4	93951-73-6	PR-30568	99%	2,013.0 µg/mL	+/- 60.8903
4	4-Methylphenol-d8	190780-66-6	PR-25303	99%	2,010.0 µg/mL	+/- 60.7996
5	Nitrobenzene-d5	4165-60-0	PR-33424A	99%	2,011.0 µg/mL	+/- 60.8298
6	2-Nitrophenol-d4	93951-78-1	H-151	99%	2,011.0 µg/mL	+/- 60.8298
7	2,4-Dichlorophenol-d3	93951-74-7	JK-447	99%	2,012.3 µg/mL	+/- 60.8691
8	4-Chloroaniline-d4	191656-33-4	FG-142	99%	2,002.1 µg/mL	+/- 60.5606
9	Dimethylphthalate-d6	85448-30-2	X-477	99%	2,020.0 µg/mL	+/- 61.1021
10	Acenaphthylene-d8	93951-97-4	FG-239	99%	2,011.7 µg/mL	+/- 60.8510
11	4-Nitrophenol-d4	93951-79-2	FG-377	98%	2,015.0 µg/mL	+/- 60.9502
12	Fluorene-d10	81103-79-9	FG-335	99%	2,015.2 µg/mL	+/- 60.9569
13	4,6-Dinitro-2-methylphenol-d2	93951-76-9	FG-143	99%	2,017.3 µg/mL	+/- 61.0204
14	Anthracene-d10	1719-06-8	PR-31411	99%	2,013.2 µg/mL	+/- 60.8964
15	Pyrene-d10	1718-52-1	PR-30304	99%	2,013.2 µg/mL	+/- 60.8964
16	Benzo(a)pyrene-d12	63466-71-7	PR-34192A	99%	2,000.7 µg/mL	+/- 60.5183

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31046 **Lot No.:** A0219219

Description : Pyridine-d5 Mix

Pyridine-d5 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

S12870 ↓ S12871 } AC 12/9/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine-d5	7291-22-7	M-317	99%	2,012.5 µg/mL	+/- 35.9772

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

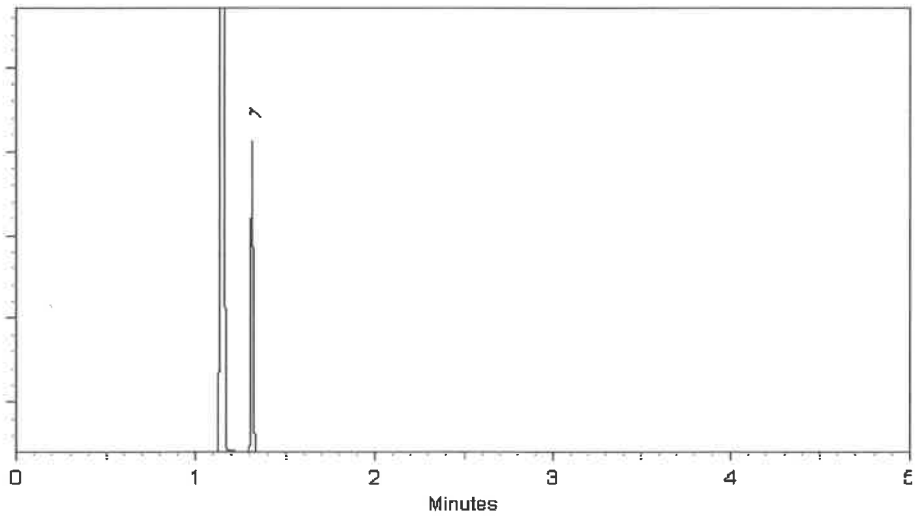
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0229652

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S13299 ↓ S13328 RC 10/17/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,004.9 µg/mL	+/- 36.5621
2	N-Nitrosodimethylamine	62-75-9	S250717RSR	99%	1,004.5 µg/mL	+/- 36.5484
3	Phenol	108-95-2	MKCT5446	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,004.8 µg/mL	+/- 36.5575
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.6 µg/mL	+/- 36.5166
6	2-Chlorophenol	95-57-8	STBK4742	99%	1,004.5 µg/mL	+/- 36.5484
7	1,3-Dichlorobenzene	541-73-1	STBL1702	99%	1,003.8 µg/mL	+/- 36.5211
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.8 µg/mL	+/- 36.5211
9	Benzyl alcohol	100-51-6	094986W07G	99%	1,003.8 µg/mL	+/- 36.5211
10	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	1,004.9 µg/mL	+/- 36.5621
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.3 µg/mL	+/- 36.5393
12	2,2'-oxybis(1-chloropropane)	108-60-1	RP250904RSR	99%	1,005.0 µg/mL	+/- 36.5666
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.4 µg/mL	+/- 18.2788
14	4-Methylphenol (p-cresol)	106-44-5	SHBQ7653	99%	502.3 µg/mL	+/- 18.2742
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.9 µg/mL	+/- 36.5621
16	Hexachloroethane	67-72-1	DAXRI	99%	1,003.9 µg/mL	+/- 36.5257
17	Nitrobenzene	98-95-3	10224044	99%	1,003.9 µg/mL	+/- 36.5257

18	Isophorone	78-59-1	MKCR3249	99%	1,004.8	µg/mL	+/- 36.5575
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.6	µg/mL	+/- 36.5166
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.1	µg/mL	+/- 36.5348
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.5	µg/mL	+/- 36.5484
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.8	µg/mL	+/- 36.5575
23	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	1,004.0	µg/mL	+/- 36.5302
24	Naphthalene	91-20-3	STBL1057	99%	1,004.0	µg/mL	+/- 36.5302
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.5	µg/mL	+/- 36.5484
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.7	µg/mL	+/- 36.4816
27	4-Chloro-3-methylphenol	59-50-7	BCCK5906	99%	1,004.3	µg/mL	+/- 36.5393
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.5	µg/mL	+/- 36.4029
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3847
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,004.0	µg/mL	+/- 36.5302
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,003.5	µg/mL	+/- 36.5120
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,003.6	µg/mL	+/- 36.5152
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,003.6	µg/mL	+/- 36.5166
34	2-Nitroaniline	88-74-4	RP250625RSR	99%	1,003.8	µg/mL	+/- 36.5211
35	1,4-Dinitrobenzene	100-25-4	RP250401RSR	99%	1,004.6	µg/mL	+/- 36.5530
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.4	µg/mL	+/- 36.3974
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.8	µg/mL	+/- 36.5575
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,003.5	µg/mL	+/- 36.5120
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,004.6	µg/mL	+/- 36.5530
40	1,2-Dinitrobenzene	528-29-0	RP250203RSR	99%	1,002.6	µg/mL	+/- 36.4802
41	Acenaphthene	83-32-9	MKCV8166	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,003.8	µg/mL	+/- 36.5211
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,004.1	µg/mL	+/- 36.5348
44	Dibenzofuran	132-64-9	MKCW3845	99%	1,003.6	µg/mL	+/- 36.5166
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,003.8	µg/mL	+/- 36.5211
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,003.0	µg/mL	+/- 36.4938
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,003.8	µg/mL	+/- 36.5211
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP250724RSR	99%	1,003.1	µg/mL	+/- 36.4984
49	Fluorene	86-73-7	10246250	98%	1,002.9	µg/mL	+/- 36.4905
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.3	µg/mL	+/- 36.5393
51	Diethylphthalate	84-66-2	223219R19C	99%	1,004.8	µg/mL	+/- 36.5575
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,004.0	µg/mL	+/- 36.5302
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S250805RSR	99%	1,004.8	µg/mL	+/- 36.5575

54	Diphenylamine	122-39-4	MKCT1512	99%	1,004.9	µg/mL	+/- 36.5621
55	Azobenzene	103-33-3	BCCL3292	99%	1,003.9	µg/mL	+/- 36.5257
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.9	µg/mL	+/- 36.5257
57	Hexachlorobenzene	118-74-1	16302300	99%	1,004.5	µg/mL	+/- 36.5484
58	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,004.9	µg/mL	+/- 36.5621
59	Phenanthrene	85-01-8	MKCV8193	99%	1,003.8	µg/mL	+/- 36.5211
60	Anthracene	120-12-7	MKCW9141	99%	1,003.3	µg/mL	+/- 36.5029
61	Carbazole	86-74-8	15821400	99%	1,003.1	µg/mL	+/- 36.4984
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,004.6	µg/mL	+/- 36.5530
63	Fluoranthene	206-44-0	A0458721	99%	1,004.8	µg/mL	+/- 36.5575
64	Pyrene	129-00-0	BCCL8032	99%	1,003.8	µg/mL	+/- 36.5211
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.9	µg/mL	+/- 36.5621
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5075
67	Benz(a)anthracene	56-55-3	I80012022BAA	99%	1,004.3	µg/mL	+/- 36.5393
68	Chrysene	218-01-9	RP250815RSR	99%	1,003.9	µg/mL	+/- 36.5257
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.5	µg/mL	+/- 36.5484
70	Di-n-octyl phthalate	117-84-0	16197600	99%	1,004.4	µg/mL	+/- 36.5439
71	Benzo(b)fluoranthene	205-99-2	0225BF	99%	1,005.4	µg/mL	+/- 36.5803
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.5	µg/mL	+/- 36.5484
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,002.4	µg/mL	+/- 36.4726
74	Indeno(1,2,3-cd)pyrene	193-39-5	17-YMK-40-2	99%	1,004.0	µg/mL	+/- 36.5302
75	Dibenz(a,h)anthracene	53-70-3	712215450-1-1	99%	1,003.5	µg/mL	+/- 36.5120
76	Benzo(g,h,i)perylene	191-24-2	RP250501RSR	98%	1,003.0	µg/mL	+/- 36.4949

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

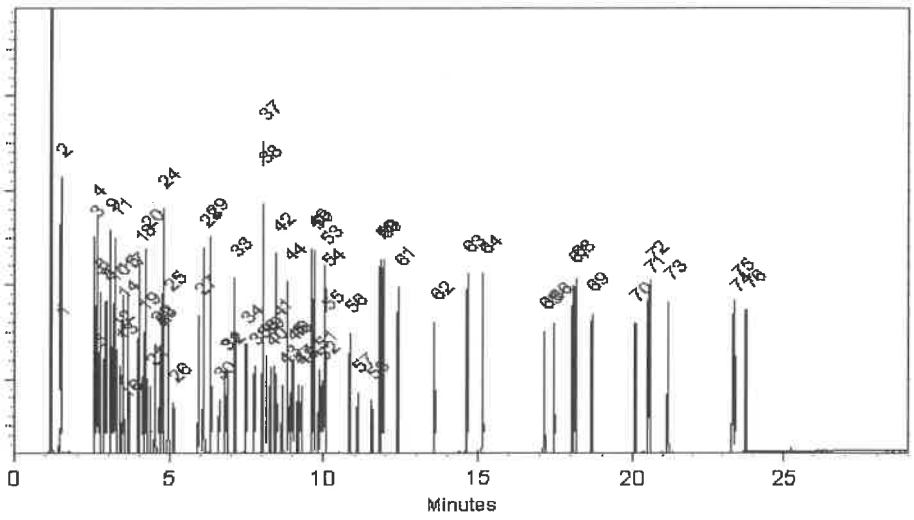
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 04-Sep-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech II

Date Passed: 15-Sep-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG112425

Review By	Jagrut Upadhyay	Review On	11/25/2025 6:00:52 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:53 AM		
SubDirectory	BG112425	HP Acquire Method	BNA_G	HP Processing Method	BG112425

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6887,SP6888,SP6889,SP6890,SP6891,SP6892
CCC	SP6889
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6930
Surrogate Standard	SP6932
MS/MSD Standard	SP6931
LCS Standard	SP6931

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP460	BG064847.D	24 Nov 2025 13:23	RC/JU	Ok
2	SSTD00519	BG064848.D	24 Nov 2025 14:04	RC/JU	Ok,M
3	SSTD01020	BG064849.D	24 Nov 2025 14:45	RC/JU	Ok,M
4	SSTD02021	BG064850.D	24 Nov 2025 15:26	RC/JU	Ok,M
5	SSTD04022	BG064851.D	24 Nov 2025 16:06	RC/JU	Ok,M
6	SSTD08023	BG064852.D	24 Nov 2025 16:46	RC/JU	Ok,M
7	SSTD16024	BG064853.D	24 Nov 2025 17:27	RC/JU	Ok,M
8	SSTDICV020	BG064854.D	24 Nov 2025 18:08	RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG112525

Review By	Jagrut Upadhyay	Review On	12/2/2025 3:50:25 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:48 AM		
SubDirectory	BG112525	HP Acquire Method	BNA_G	HP Processing Method	BG112425

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6887,SP6888,SP6889,SP6890,SP6891,SP6892
CCC	SP6889
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6930
Surrogate Standard	SP6932
MS/MSD Standard	SP6931
LCS Standard	SP6931

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP461	BG064855.D	25 Nov 2025 10:29	RC/JU	Ok
2	SSTDCCC020	BG064856.D	25 Nov 2025 11:10	RC/JU	Ok,M
3	PB170717BL	BG064857.D	25 Nov 2025 12:28	RC/JU	Ok
4	PB170717BS	BG064858.D	25 Nov 2025 13:09	RC/JU	Ok,M
5	Q3688-01	BG064859.D	25 Nov 2025 13:52	RC/JU	Ok,M
6	Q3688-02MS	BG064860.D	25 Nov 2025 14:33	RC/JU	Ok,M
7	Q3688-03MSD	BG064861.D	25 Nov 2025 15:14	RC/JU	Ok,M
8	Q3688-04	BG064862.D	25 Nov 2025 15:55	RC/JU	Ok,M
9	Q3688-06	BG064863.D	25 Nov 2025 16:36	RC/JU	Ok,M
10	Q3688-09	BG064864.D	25 Nov 2025 17:17	RC/JU	Ok,M
11	Q3688-10	BG064865.D	25 Nov 2025 17:58	RC/JU	Ok,M
12	Q3688-11	BG064866.D	25 Nov 2025 18:38	RC/JU	Ok,M
13	PB170719BS	BG064867.D	25 Nov 2025 19:19	RC/JU	Ok,M
14	PB170719BL	BG064868.D	25 Nov 2025 20:00	RC/JU	Ok,M
15	SSTDCCC020	BG064869.D	25 Nov 2025 21:22	RC/JU	Ok,M
16	PB170721BL	BG064870.D	25 Nov 2025 22:03	RC/JU	Not Ok
17	PB170723BL	BG064871.D	25 Nov 2025 22:44	RC/JU	Not Ok
18	Q3688-12	BG064872.D	25 Nov 2025 23:25	RC/JU	Not Ok
19	Q3688-13	BG064873.D	26 Nov 2025 00:05	RC/JU	Not Ok
20	Q3688-15	BG064874.D	26 Nov 2025 00:46	RC/JU	Not Ok
21	Q3688-16	BG064875.D	26 Nov 2025 1:27	RC/JU	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG112525

Review By	Jagrut Upadhyay	Review On	12/2/2025 3:50:25 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:48 AM		
SubDirectory	BG112525	HP Acquire Method	BNA_G	HP Processing Method	BG112425

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6887,SP6888,SP6889,SP6890,SP6891,SP6892
CCC	SP6889
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6930
Surrogate Standard	SP6932
MS/MSD Standard	SP6931
LCS Standard	SP6931

22	Q3688-17	BG064876.D	26 Nov 2025 2:08	RC/JU	Not Ok
23	Q3688-18	BG064877.D	26 Nov 2025 2:49	RC/JU	Not Ok
24	Q3688-19	BG064878.D	26 Nov 2025 3:30	RC/JU	Not Ok
25	Q3688-20	BG064879.D	26 Nov 2025 4:11	RC/JU	Not Ok
26	PB170721BS	BG064880.D	26 Nov 2025 4:52	RC/JU	Not Ok
27	PB170723BS	BG064881.D	26 Nov 2025 5:32	RC/JU	Not Ok
28	SSTDCCC020	BG064882.D	26 Nov 2025 6:54	RC/JU	Ok,M
29	PB170721BL	BG064883.D	26 Nov 2025 10:54	RC/JU	Ok
30	PB170723BL	BG064884.D	26 Nov 2025 11:35	RC/JU	Ok
31	Q3688-12	BG064885.D	26 Nov 2025 12:16	RC/JU	Ok,M
32	Q3688-13	BG064886.D	26 Nov 2025 12:57	RC/JU	Ok,M
33	Q3688-15	BG064887.D	26 Nov 2025 13:38	RC/JU	Ok,M
34	Q3688-16	BG064888.D	26 Nov 2025 14:19	RC/JU	Ok,M
35	Q3688-17	BG064889.D	26 Nov 2025 15:00	RC/JU	Ok,M
36	SSTDCCC020	BG064890.D	26 Nov 2025 15:42	RC/JU	Ok,M
37	PB170741BL	BG064891.D	26 Nov 2025 16:23	RC/JU	Ok,M
38	PB170721BS	BG064892.D	26 Nov 2025 17:04	RC/JU	Ok,M
39	PB170723BS	BG064893.D	26 Nov 2025 17:45	RC/JU	Ok,M
40	PB170741BS	BG064894.D	26 Nov 2025 18:25	RC/JU	Ok,M
41	Q3688-18	BG064895.D	26 Nov 2025 19:06	RC/JU	Ok,M
42	Q3688-19	BG064896.D	26 Nov 2025 19:47	RC/JU	Ok,M
43	Q3688-20	BG064897.D	26 Nov 2025 20:28	RC/JU	Ok,M
44	Q3688-22	BG064898.D	26 Nov 2025 21:09	RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG112525

Review By	Jagrut Upadhyay	Review On	12/2/2025 3:50:25 PM				
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:48 AM				
SubDirectory	BG112525	HP Acquire Method	BNA_G		HP Processing Method	BG112425	

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6887,SP6888,SP6889,SP6890,SP6891,SP6892
CCC	SP6889
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6930
Surrogate Standard	SP6932
MS/MSD Standard	SP6931
LCS Standard	SP6931

45	Q3688-23	BG064899.D	26 Nov 2025 21:50	RC/JU	Ok,M
46	SSTDCCC020EC	BG064900.D	26 Nov 2025 22:31	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG112425

Review By	Jagrut Upadhyay	Review On	11/25/2025 6:00:52 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:53 AM		
SubDirectory	BG112425	HP Acquire Method	BNA_G	HP Processing Method	BG112425

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6887,SP6888,SP6889,SP6890,SP6891,SP6892
CCC	SP6889
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6930
Surrogate Standard	SP6932
MS/MSD Standard	SP6931
LCS Standard	SP6931

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP460	DFTPP460	BG064847.D	24 Nov 2025 13:23		RC/JU	Ok
2	SSTD00519	SSTD005419	BG064848.D	24 Nov 2025 14:04		RC/JU	Ok,M
3	SSTD01020	SSTD010420	BG064849.D	24 Nov 2025 14:45		RC/JU	Ok,M
4	SSTD02021	SSTD020421	BG064850.D	24 Nov 2025 15:26		RC/JU	Ok,M
5	SSTD04022	SSTD040422	BG064851.D	24 Nov 2025 16:06		RC/JU	Ok,M
6	SSTD08023	SSTD080423	BG064852.D	24 Nov 2025 16:46		RC/JU	Ok,M
7	SSTD16024	SSTD160424	BG064853.D	24 Nov 2025 17:27		RC/JU	Ok,M
8	SSTDICV020	SICV425	BG064854.D	24 Nov 2025 18:08		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG112525

Review By	Jagrut Upadhyay	Review On	12/2/2025 3:50:25 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:48 AM		
SubDirectory	BG112525	HP Acquire Method	BNA_G	HP Processing Method	BG112425

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6887,SP6888,SP6889,SP6890,SP6891,SP6892
CCC	SP6889
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6930
Surrogate Standard	SP6932
MS/MSD Standard	SP6931
LCS Standard	SP6931

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP461	DFTPP461	BG064855.D	25 Nov 2025 10:29		RC/JU	Ok
2	SSTDCCC020	SSTD020454	BG064856.D	25 Nov 2025 11:10		RC/JU	Ok,M
3	PB170717BL	SBLK717	BG064857.D	25 Nov 2025 12:28		RC/JU	Ok
4	PB170717BS	SLCS717	BG064858.D	25 Nov 2025 13:09		RC/JU	Ok,M
5	Q3688-01	M-31S	BG064859.D	25 Nov 2025 13:52		RC/JU	Ok,M
6	Q3688-02MS	M-31SMS	BG064860.D	25 Nov 2025 14:33		RC/JU	Ok,M
7	Q3688-03MSD	M-31SMSD	BG064861.D	25 Nov 2025 15:14		RC/JU	Ok,M
8	Q3688-04	RBGW-20251119	BG064862.D	25 Nov 2025 15:55		RC/JU	Ok,M
9	Q3688-06	M-32I	BG064863.D	25 Nov 2025 16:36		RC/JU	Ok,M
10	Q3688-09	M-31I	BG064864.D	25 Nov 2025 17:17		RC/JU	Ok,M
11	Q3688-10	M-32S	BG064865.D	25 Nov 2025 17:58		RC/JU	Ok,M
12	Q3688-11	RBGW-20251120	BG064866.D	25 Nov 2025 18:38		RC/JU	Ok,M
13	PB170719BS	SLCS719	BG064867.D	25 Nov 2025 19:19		RC/JU	Ok,M
14	PB170719BL	SBLK719	BG064868.D	25 Nov 2025 20:00		RC/JU	Ok,M
15	SSTDCCC020	SSTD020455	BG064869.D	25 Nov 2025 21:22		RC/JU	Ok,M
16	PB170721BL	SBLK721	BG064870.D	25 Nov 2025 22:03	Internal standard not added.	RC/JU	Not Ok
17	PB170723BL	SBLK723	BG064871.D	25 Nov 2025 22:44	Internal standard not added.	RC/JU	Not Ok
18	Q3688-12	M-30S	BG064872.D	25 Nov 2025 23:25	Internal standard not added.	RC/JU	Not Ok

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG112525

Review By	Jagrut Upadhyay	Review On	12/2/2025 3:50:25 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:48 AM		
SubDirectory	BG112525	HP Acquire Method	BNA_G	HP Processing Method	BG112425

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6887,SP6888,SP6889,SP6890,SP6891,SP6892
CCC	SP6889
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6930
Surrogate Standard	SP6932
MS/MSD Standard	SP6931
LCS Standard	SP6931

19	Q3688-13	M-30I	BG064873.D	26 Nov 2025 00:05	Internal standard not added.	RC/JU	Not Ok
20	Q3688-15	FDGW-20251120	BG064874.D	26 Nov 2025 00:46	Internal standard not added.	RC/JU	Not Ok
21	Q3688-16	WS-14	BG064875.D	26 Nov 2025 1:27	Internal standard not added.	RC/JU	Not Ok
22	Q3688-17	M-29	BG064876.D	26 Nov 2025 2:08	Internal standard not added.	RC/JU	Not Ok
23	Q3688-18	RBGW-20251121	BG064877.D	26 Nov 2025 2:49	Internal standard not added.	RC/JU	Not Ok
24	Q3688-19	M-28I	BG064878.D	26 Nov 2025 3:30	Internal standard not added.	RC/JU	Not Ok
25	Q3688-20	WS-1	BG064879.D	26 Nov 2025 4:11	Internal standard not added.	RC/JU	Not Ok
26	PB170721BS	SLCS721	BG064880.D	26 Nov 2025 4:52	Internal standard not added.	RC/JU	Not Ok
27	PB170723BS	SLCS723	BG064881.D	26 Nov 2025 5:32	Internal standard not added.	RC/JU	Not Ok
28	SSTDCCC020	SSTD020456	BG064882.D	26 Nov 2025 6:54		RC/JU	Ok,M
29	PB170721BL	SBLK721	BG064883.D	26 Nov 2025 10:54		RC/JU	Ok
30	PB170723BL	SBLK723	BG064884.D	26 Nov 2025 11:35		RC/JU	Ok
31	Q3688-12	M-30S	BG064885.D	26 Nov 2025 12:16		RC/JU	Ok,M
32	Q3688-13	M-30I	BG064886.D	26 Nov 2025 12:57		RC/JU	Ok,M
33	Q3688-15	FDGW-20251120	BG064887.D	26 Nov 2025 13:38		RC/JU	Ok,M
34	Q3688-16	WS-14	BG064888.D	26 Nov 2025 14:19		RC/JU	Ok,M
35	Q3688-17	M-29	BG064889.D	26 Nov 2025 15:00		RC/JU	Ok,M
36	SSTDCCC020	SSTD020457	BG064890.D	26 Nov 2025 15:42		RC/JU	Ok,M
37	PB170741BL	SBLK741	BG064891.D	26 Nov 2025 16:23		RC/JU	Ok,M

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG112525

Review By	Jagrut Upadhyay	Review On	12/2/2025 3:50:25 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:48 AM		
SubDirectory	BG112525	HP Acquire Method	BNA_G	HP Processing Method	BG112425

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6887,SP6888,SP6889,SP6890,SP6891,SP6892
CCC	SP6889
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6930
Surrogate Standard	SP6932
MS/MSD Standard	SP6931
LCS Standard	SP6931

38	PB170721BS	SLCS721	BG064892.D	26 Nov 2025 17:04		RC/JU	Ok,M
39	PB170723BS	SLCS723	BG064893.D	26 Nov 2025 17:45	Surrogate 1,4-Dioxane-d8 Fail	RC/JU	Ok,M
40	PB170741BS	SLCS741	BG064894.D	26 Nov 2025 18:25		RC/JU	Ok,M
41	Q3688-18	RBGW-20251121	BG064895.D	26 Nov 2025 19:06		RC/JU	Ok,M
42	Q3688-19	M-28I	BG064896.D	26 Nov 2025 19:47		RC/JU	Ok,M
43	Q3688-20	WS-1	BG064897.D	26 Nov 2025 20:28		RC/JU	Ok,M
44	Q3688-22	RBGW-20251124	BG064898.D	26 Nov 2025 21:09		RC/JU	Ok,M
45	Q3688-23	M-28S	BG064899.D	26 Nov 2025 21:50		RC/JU	Ok,M
46	SSTDCCC020EC	SSTD020458	BG064900.D	26 Nov 2025 22:31		RC/JU	Ok,M

M : Manual Integration

FORM 2A-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code : ACE Case No.: Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method : SVOA SIM Level : _____

Matrix : Water

EPA Sample No .	DMC1 (FLN)	DMC2 (2MN)	DMC3 (DXE)	DMC4	DMC5	DMC6	DMC7	DMC8	DMC9
FDGW-20251120	90	67	56						
M-28I	97	88	82						
M-28S	87	85	66						
M-28SDL	83	88	32						
M-29	101	93	77						
M-30I	93	65	68						
M-30S	80	55	62						
M-31I	110	66	66						
M-31S	94	54	54						
M-31SMS	90	49	47						
M-31SMSD	84	49	50						
M-32I	117	65	63						
M-32S	102	71	66						
RBGW-20251119	87	58	63						
RBGW-20251120	95	70	64						
RBGW-20251121	97	85	68						
RBGW-20251124	100	93	60						
SBLK718	72	79	79						
SBLK720	95	89	81						
SBLK722	100	94	85						
SBLK724	80	86	91						
SBLK742	77	84	84						
SLCS718	81	88	97						
SLCS720	68	81	96						
SLCS722	72	86	104						
SLCS724	59	69	78						
SLCS742	76	95	104						
WS-1	87	80	63						
WS-14	106	95	70						

	QC LIMITS
DMC1 (FLN) = Fluoranthene-d10 (SIM)	(30-130)
DMC2 (2MN) = 2-Methylnapthalene-d10 (SIM)	(30-130)
DMC3 (DXE) = 1,4-Dioxane-d8 (SIM)	(40-110)

FORM 2B-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method : SVOA SIM Level :

Matrix : Water

EPA Sample No .	DMC10	DMC11	DMC12	DMC13	DMC14	DMC15	DMC16	DMC17	Tot Out
FDGW-20251120									0
M-28I									0
M-28S									0
M-28SDL									0
M-29									0
M-30I									0
M-30S									0
M-31I									0
M-31S									0
M-31SMS									0
M-31SMSD									0
M-32I									0
M-32S									0
RBGW-20251119									0
RBGW-20251120									0
RBGW-20251121									0
RBGW-20251124									0
SBLK718									0
SBLK720									0
SBLK722									0
SBLK724									0
SBLK742									0
SLCS718									0
SLCS720									0
SLCS722									0
SLCS724									0
SLCS742									0
WS-1									0

FORM 2B-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method : SVOA SIM Level :

Matrix : Water

EPA Sample No .	DMC10	DMC11	DMC12	DMC13	DMC14	DMC15	DMC16	DMC17	Tot Out
WS-14									0

FORM 3A-OR
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No .: SDG No. : Q3688

Analytical Method : SVOA SIM Level : LOW

Matrix Water

EPA Sample No.(Matrix Spike/Matrix Spike Duplicate): M-31S

Instrument ID : BNA_N GC Column ZB-GR ID : 0.25 (mm)

Concentration Units (ug/L,mg/L ug/kg): ug/L

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC Limits %R
1,4-Dioxane	2	0	0.96	48	15 - 120

ANALYTE	SPIKE AADDED	MSD CONCENTRATION	MSD %R #	RPD	QC Limits	
					RPD	%R
1,4-Dioxane	2	0.97	49	2	50	15 -120

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
SLCS718

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No. : Sharkey La MA No.: _____ SDG No.: Q3688
Analytical Method: SVOA SIM
Matrix : Water Lab Sample ID : PB170718BS
LCS Lot No. : _____ Date Extracted : _____
Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_N GC Column ( ): 0.25 ID : ZB-GR (mm)
Date Analyzed ( ): 12/02/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	1.8	90	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
SLCS720

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No. : Sharkey La MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM
Matrix : Water Lab Sample ID : PB170720BS
LCS Lot No. : Date Extracted :
Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_N GC Column ( ): 0.25 ID : ZB-GR (mm)
Date Analyzed ( ): 12/05/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	1.8	90	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS722

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method: SVOA SIM

Matrix : Water Lab Sample ID : PB170722BS

LCS Lot No. : _____ Date Extracted : _____

Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_N GC Column ( ): 0.25 ID : ZB-GR (mm)

Date Analyzed ( ): 12/05/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	1.9	95	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS742

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method: SVOA SIM

Matrix : Water Lab Sample ID : PB170742BS

LCS Lot No. : _____ Date Extracted : _____

Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_N GC Column ( ): 0.25 ID : ZB-GR (mm)

Date Analyzed ( ): 12/05/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	2.1	105	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS724

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011

Lab Code : ACE Case No. : Sharkey La MA No.: _____ SDG No.: Q3688

Analytical Method: SVOA SIM

Matrix : Water Lab Sample ID : PB170724BS

LCS Lot No. : _____ Date Extracted : _____

Concentration Units (ug/L, ug/kg) : ug/L

Instrument ID ( ): BNA_N GC Column ( ): 0.25 ID : ZB-GR (mm)

Date Analyzed ( ): 12/05/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	1.5	75	0-0

EPA SAMPLE NO.

SBLK718

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : _____ sdg no.: Q3688
Analytical Method: SVOA SIM
Level : _____
Matrix : Water
Lab Sample ID: PB170718BL
Instrument ID: BNA_N
Lab File ID : BN038251.D
Extraction Type : CONH
Date Extracted : 11/21/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 12/02/2025
GC Column ( ) : _____ ID : _____ (mm)
Time Analyzed : 12:48
Heated Purge: (Y/N) _____ Cleanup(Y/N): N
Cleanup Types : _____

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
SLCS718	PB170718BS	BN038252.D	12/02/2025 13:24
M-31S	Q3688-01	BN038253.D	12/02/2025 14:00
M-31SMS	Q3688-02MS	BN038254.D	12/02/2025 14:36
M-31SMSD	Q3688-03MSD	BN038255.D	12/02/2025 15:13

EPA SAMPLE NO.

SBLK720

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE
Case No.: Sharkey Lanc
MA No. :
sdg no.: Q3688
Analytical Method: SVOA SIM
Level :
Matrix : Water
Lab Sample ID: PB170720BL
Instrument ID: BNA_N
Lab File ID : BN038271.D
Extraction Type : CONH
Date Extracted : 11/21/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 12/05/2025
GC Column ( ) : ID : (mm)
Time Analyzed : 12:42
Heated Purge: (Y/N)
Cleanup(Y/N): N
Cleanup Types :

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
RBGW-20251119	Q3688-04	BN038256.D	12/02/2025 15:49
M-32I	Q3688-06	BN038257.D	12/02/2025 16:26
M-31I	Q3688-09	BN038258.D	12/02/2025 17:02
M-32S	Q3688-10	BN038259.D	12/02/2025 17:38
RBGW-20251120	Q3688-11	BN038260.D	12/02/2025 18:15
SLCS720	PB170720BS	BN038273.D	12/05/2025 13:54

EPA SAMPLE NO.

SBLK722

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : _____ sdg no.: Q3688
Analytical Method: SVOA SIM
Level : _____
Matrix : Water
Lab Sample ID: PB170722BL
Instrument ID: BNA_N
Lab File ID : BN038272.D
Extraction Type : CONH
Date Extracted : 11/24/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 12/05/2025
GC Column ( ) : _____ ID : _____ (mm)
Time Analyzed : 13:18
Heated Purge: (Y/N) _____ Cleanup(Y/N): N
Cleanup Types : _____

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
M-30S	Q3688-12	BN038261.D	12/02/2025 18:51
M-30I	Q3688-13	BN038262.D	12/02/2025 19:28
FDGW-20251120	Q3688-15	BN038263.D	12/02/2025 20:04
WS-14	Q3688-16	BN038264.D	12/02/2025 20:40
SLCS722	PB170722BS	BN038274.D	12/05/2025 14:31

EPA SAMPLE NO.

SBLK724

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE
Case No.: Sharkey Lanc
MA No. :
sdg no.: Q3688
Analytical Method: SVOA SIM
Level :
Matrix : Water
Lab Sample ID: PB170724BL
Instrument ID: BNA_N
Lab File ID : BN038284.D
Extraction Type : CONH
Date Extracted : 11/24/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 12/05/2025
GC Column ( ) : ID : (mm)
Time Analyzed : 20:34
Heated Purge: (Y/N)
Cleanup(Y/N): N
Cleanup Types :

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
M-29	Q3688-17	BN038265.D	12/02/2025 21:17
RBGW-20251121	Q3688-18	BN038275.D	12/05/2025 15:07
M-28I	Q3688-19	BN038276.D	12/05/2025 15:43
WS-1	Q3688-20	BN038277.D	12/05/2025 16:20
SLCS724	PB170724BS	BN038283.D	12/05/2025 19:57

EPA SAMPLE NO.

SBLK742

FORM 4-OR
METHOD BLANK SUMMARY

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : _____ sdg no.: Q3688
Analytical Method: SVOA SIM
Level : _____
Matrix : Water
Lab Sample ID: PB170742BL
Instrument ID: BNA_N
Lab File ID : BN038282.D
Extraction Type : CONH
Date Extracted : 11/25/2025
GC Column ( ) : ZB-GR ID : 0.25 (mm)
Date Analyzed : 12/05/2025
GC Column ( ) : _____ ID : _____ (mm)
Time Analyzed : 19:21
Heated Purge: (Y/N) _____ Cleanup(Y/N): N
Cleanup Types : _____

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
RBGW-20251124	Q3688-22	BN038278.D	12/05/2025 16:55
M-28S	Q3688-23	BN038279.D	12/05/2025 17:32
M-28SDL	Q3688-23DL	BN038280.D	12/05/2025 18:08
SLCS742	PB170742BS	BN038281.D	12/05/2025 18:44

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
DFTPP277

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lai MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM Lab File ID : BN038203.D
Instrument ID: BNA_N BFB / DFTPP : DFTPP
GC Column : ZB-GR ID : 0.25 (mm)
Injection Date : 11/26/2025 Injection Time : 14:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	37.2	
68	Less than 2.0% of mass 69	0.7(1.8)	1
69	Present	37.5	
70	Less than 2.0% of mass 69	0.2(0.6)	1
127	10.0 - 80.0% of mass 198	47.8	
197	Less than 2.0% of mass 198	0.2	
198	Base Peak, 100% relative abundance	100	
199	5.0 to 9.0% of mass 198	6.9	
275	10.0 - 60.0% of mass 198	27.8	
365	Greater than 1% of mass 198	3.4	
441	Present, but less than mass 443	15	
442	Greater than 50.0% of mass 198	89.6	
443	15.0 - 24.0% of mass 442	16.8(18.7)	2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.1225	SSTD0.191	BN038204.D	11/26/2025	15:05
SSTD0.2226	SSTD0.292	BN038205.D	11/26/2025	15:42
SSTD0.4227	SSTD0.493	BN038206.D	11/26/2025	16:18
SSTD0.8228	SSTD0.894	BN038207.D	11/26/2025	16:54
SSTD1.6229	SSTD1.695	BN038208.D	11/26/2025	17:31
SSTD3.2230	SSTD3.296	BN038209.D	11/26/2025	18:07
SICV231	SSTDICV0.4	BN038210.D	11/26/2025	18:43

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
DFTPP278

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Lab File ID : BN038249.D
Instrument ID: BNA_N
BFB / DFTPP : DFTPP
GC Column : ZB-GR ID : 0.25 (mm)
Injection Date : 12/02/2025
Injection Time : 11:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.7
68	Less than 2.0% of mass 69	0.7(1.8) 1
69	Present	38
70	Less than 2.0% of mass 69	0.2(0.6) 1
127	10.0 - 80.0% of mass 198	48.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.5
442	Greater than 50.0% of mass 198	78
443	15.0 - 24.0% of mass 442	16.1(20.6) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.4275	SSTDCCC0.4	BN038250.D	12/02/2025	12:11
SBLK718	PB170718BL	BN038251.D	12/02/2025	12:48
SLCS718	PB170718BS	BN038252.D	12/02/2025	13:24
M-31S	Q3688-01	BN038253.D	12/02/2025	14:00
M-31SMS	Q3688-02MS	BN038254.D	12/02/2025	14:36
M-31SMSD	Q3688-03MSD	BN038255.D	12/02/2025	15:13
RBGW-20251119	Q3688-04	BN038256.D	12/02/2025	15:49
M-32I	Q3688-06	BN038257.D	12/02/2025	16:26
M-31I	Q3688-09	BN038258.D	12/02/2025	17:02
M-32S	Q3688-10	BN038259.D	12/02/2025	17:38
RBGW-20251120	Q3688-11	BN038260.D	12/02/2025	18:15
M-30S	Q3688-12	BN038261.D	12/02/2025	18:51
M-30I	Q3688-13	BN038262.D	12/02/2025	19:28
FDGW-20251120	Q3688-15	BN038263.D	12/02/2025	20:04
WS-14	Q3688-16	BN038264.D	12/02/2025	20:40
M-29	Q3688-17	BN038265.D	12/02/2025	21:17
SSTD0.4276	SSTDCCC0.4EC	BN038266.D	12/02/2025	22:29

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.
DFTPP279

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lar
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Lab File ID : BN038269.D
Instrument ID: BNA_N
BFB / DFTPP : DFTPP
GC Column : ZB-GR ID : 0.25 (mm)
Injection Date : 12/05/2025
Injection Time : 11:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.6(1.6) 1
69	Present	37.3
70	Less than 2.0% of mass 69	0.2(0.6) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.2
442	Greater than 50.0% of mass 198	95.7
443	15.0 - 24.0% of mass 442	17.1(17.9) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.4277	SSTDCCC0.4	BN038270.D	12/05/2025	12:05
SBLK720	PB170720BL	BN038271.D	12/05/2025	12:42
SBLK722	PB170722BL	BN038272.D	12/05/2025	13:18
SLCS720	PB170720BS	BN038273.D	12/05/2025	13:54
SLCS722	PB170722BS	BN038274.D	12/05/2025	14:31
RBGW-20251121	Q3688-18	BN038275.D	12/05/2025	15:07
M-28I	Q3688-19	BN038276.D	12/05/2025	15:43
WS-1	Q3688-20	BN038277.D	12/05/2025	16:20
RBGW-20251124	Q3688-22	BN038278.D	12/05/2025	16:55
M-28S	Q3688-23	BN038279.D	12/05/2025	17:32
M-28SDL	Q3688-23DL	BN038280.D	12/05/2025	18:08
SLCS742	PB170742BS	BN038281.D	12/05/2025	18:44
SBLK742	PB170742BL	BN038282.D	12/05/2025	19:21
SLCS724	PB170724BS	BN038283.D	12/05/2025	19:57
SBLK724	PB170724BL	BN038284.D	12/05/2025	20:34
SSTD0.4278	SSTDCCC0.4EC	BN038285.D	12/05/2025	21:47

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM Level : LOW
EPA Sample No. : SSTD0.4275 Lab File ID (Standard) : BN038250.D
Instrument ID : BNA_N Init.Calib.Date(s): 11/26/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 12/02/2025
Heated Purge: Time Analyzed : 12:11

	IS1 (DCB) AREA	RT	IS2 (NPT) AREA	RT	IS3 (ANT) AREA	RT
12 HOUR STD	9123	7.762	28276	10.57	13975	14.43
UPPER LIMIT	18246	8.26	56552	11.06	27950	14.93
LOWER LIMIT	4561.5	7.26	14138	10.06	6987.5	13.93
EPA SAMPLE NO.						
SBLK718	8277	7.76	25091	10.56	12425	14.43
SLCS718	6852	7.77	19542	10.57	9302	14.43
M-31S	10366	7.76	29497	10.56	16581	14.43
M-31SMS	7612	7.76	24125	10.56	12757	14.43
M-31SMSD	7837	7.76	23944	10.57	11905	14.43
RBGW-20251119	8560	7.76	26868	10.57	14263	14.43
M-32I	8089	7.76	24913	10.57	14131	14.43
M-31I	7837	7.76	25843	10.57	14782	14.43
M-32S	8179	7.76	26708	10.56	15008	14.43
RBGW-20251120	8734	7.76	28184	10.57	15261	14.43
M-30S	9557	7.76	30639	10.56	15903	14.43
M-30I	7205	7.76	21641	10.56	10686	14.43
FDGW-20251120	8265	7.76	26145	10.56	13579	14.43
WS-14	7811	7.76	25704	10.56	14283	14.43
M-29	7498	7.76	24549	10.56	12936	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM Level : LOW
EPA Sample No. : SSTD0.4275 Lab File ID (Standard) : BN038250.D
Instrument ID : BNA_N Init.Calib.Date(s): 11/26/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 12/02/2025
Heated Purge: Time Analyzed : 12:11

	IS4 (PHN) AREA	RT	IS5 (CRY) AREA	RT	IS6 (PRY) AREA	RT
12 HOUR STD	20215	17.18	12243	21.37	12704	23.683
UPPER LIMIT	40430	17.68	24486	21.87	25408	24.183
LOWER LIMIT	10107.5	16.68	6121.5	20.87	6352	23.183
EPA SAMPLE NO.						
SBLK718	18893	17.18	12697	21.38	18424	23.68
SLCS718	14225	17.18	9367	21.37	9919	23.68
M-31S	27429	17.18	13931	21.37	11873	23.68
M-31SMS	18778	17.18	11093	21.37	11208	23.68
M-31SMSD	17150	17.18	11866	21.37	12141	23.68
RBGW-20251119	20251	17.18	13047	21.37	11964	23.68
M-32I	23380	17.18	11606	21.37	9964	23.67
M-31I	23275	17.18	11802	21.37	9757	23.67
M-32S	24271	17.18	12403	21.37	10359	23.68
RBGW-20251120	22280	17.18	12995	21.37	11448	23.67
M-30S	23307	17.18	14691	21.37	13252	23.67
M-30I	17105	17.18	12386	21.37	10853	23.67
FDGW-20251120	19738	17.18	12815	21.37	11343	23.67
WS-14	21386	17.18	11942	21.37	10706	23.67
M-29	18613	17.18	11286	21.37	10119	23.67

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM Level : LOW
EPA Sample No. : SSTD0.4277 Lab File ID (Standard) : BN038270.D
Instrument ID : BNA_N Init.Calib.Date(s): 11/26/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 12/05/2025
Heated Purge: Time Analyzed : 12:05

	IS1 (DCB) AREA	RT	IS2 (NPT) AREA	RT	IS3 (ANT) AREA	RT
12 HOUR STD	8084	7.762	25043	10.56	13865	14.42
UPPER LIMIT	16168	8.26	50086	11.06	27730	14.92
LOWER LIMIT	4042	7.26	12521.5	10.06	6932.5	13.92
EPA SAMPLE NO.						
M-28S	7552	7.76	23818	10.56	12453	14.42
M-28SDL	7234	7.76	21968	10.56	10876	14.43
SBLK720	8704	7.76	28180	10.56	16454	14.43
SBLK722	10357	7.76	33216	10.56	19565	14.43
SLCS720	6339	7.77	17529	10.57	8089	14.43
SLCS722	5720	7.77	15969	10.57	7291	14.43
RBGW-20251121	7421	7.76	23523	10.56	12712	14.43
M-28I	6347	7.76	18463	10.56	9152	14.43
WS-1	6582	7.76	18378	10.56	9278	14.43
RBGW-20251124	7733	7.76	24457	10.56	12576	14.42
SBLK724	6875	7.76	19971	10.56	10197	14.42
SLCS724	7672	7.77	21841	10.56	10280	14.43
SBLK742	8125	7.76	24500	10.56	12182	14.43
SLCS742	4904	7.77	13626	10.56	6701 *	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM Level : LOW
EPA Sample No. : SSTD0.4277 Lab File ID (Standard) : BN038270.D
Instrument ID : BNA_N Init.Calib.Date(s): 11/26/2025
GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 12/05/2025
Heated Purge: Time Analyzed : 12:05

	IS4 (PHN) AREA	RT	IS5 (CRY) AREA	RT	IS6 (PRY) AREA	RT
12 HOUR STD	22534	17.18	12432	21.37	12699	23.675
UPPER LIMIT	45068	17.68	24864	21.87	25398	24.175
LOWER LIMIT	11267	16.68	6216	20.87	6349.5	23.175
EPA SAMPLE NO.						
M-28S	17717	17.18	10969	21.37	9522	23.67
M-28SDL	15599	17.18	10726	21.37	12870	23.67
SBLK720	28511	17.18	15359	21.37	12468	23.67
SBLK722	33605	17.18	17429	21.37	15019	23.67
SLCS720	12427	17.18	9212	21.37	9668	23.68
SLCS722	11408	17.18	8537	21.37	9103	23.68
RBGW-20251121	18378	17.18	10427	21.37	8941	23.67
M-28I	14718	17.18	10478	21.37	9107	23.67
WS-1	16147	17.18	12413	21.37	11053	23.67
RBGW-20251124	18317	17.18	11615	21.37	10243	23.67
SBLK724	17407	17.18	12643	21.37	11341	23.67
SLCS724	15794	17.18	11370	21.37	12234	23.67
SBLK742	18265	17.17	12311	21.37	10917	23.67
SLCS742	11217 *	17.18	8913	21.37	9478	23.67

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
FDGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-15
Sample wt/vol : 980 (g/mL) mL
Lab File ID : BN038263.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

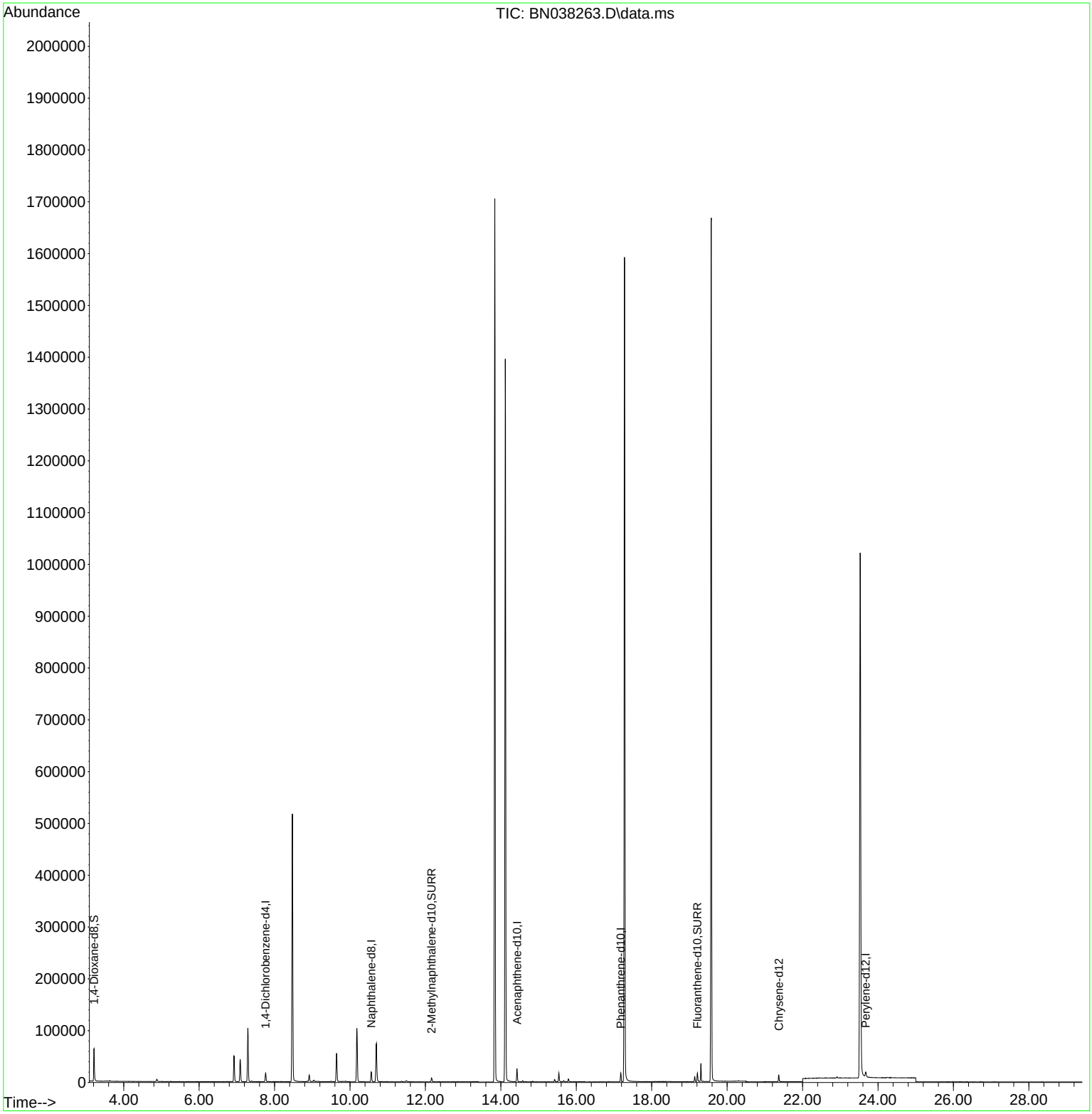
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM



1472

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM

Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8265	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	26145	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	13579	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	19738m	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	12815m	0.400	ng/ul	0.00
23) Perylene-d12	23.671	264	11343m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	38542	4.444	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	10045	0.269	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	17897m	0.359	ng/ul	0.00
Target Compounds						Qvalue

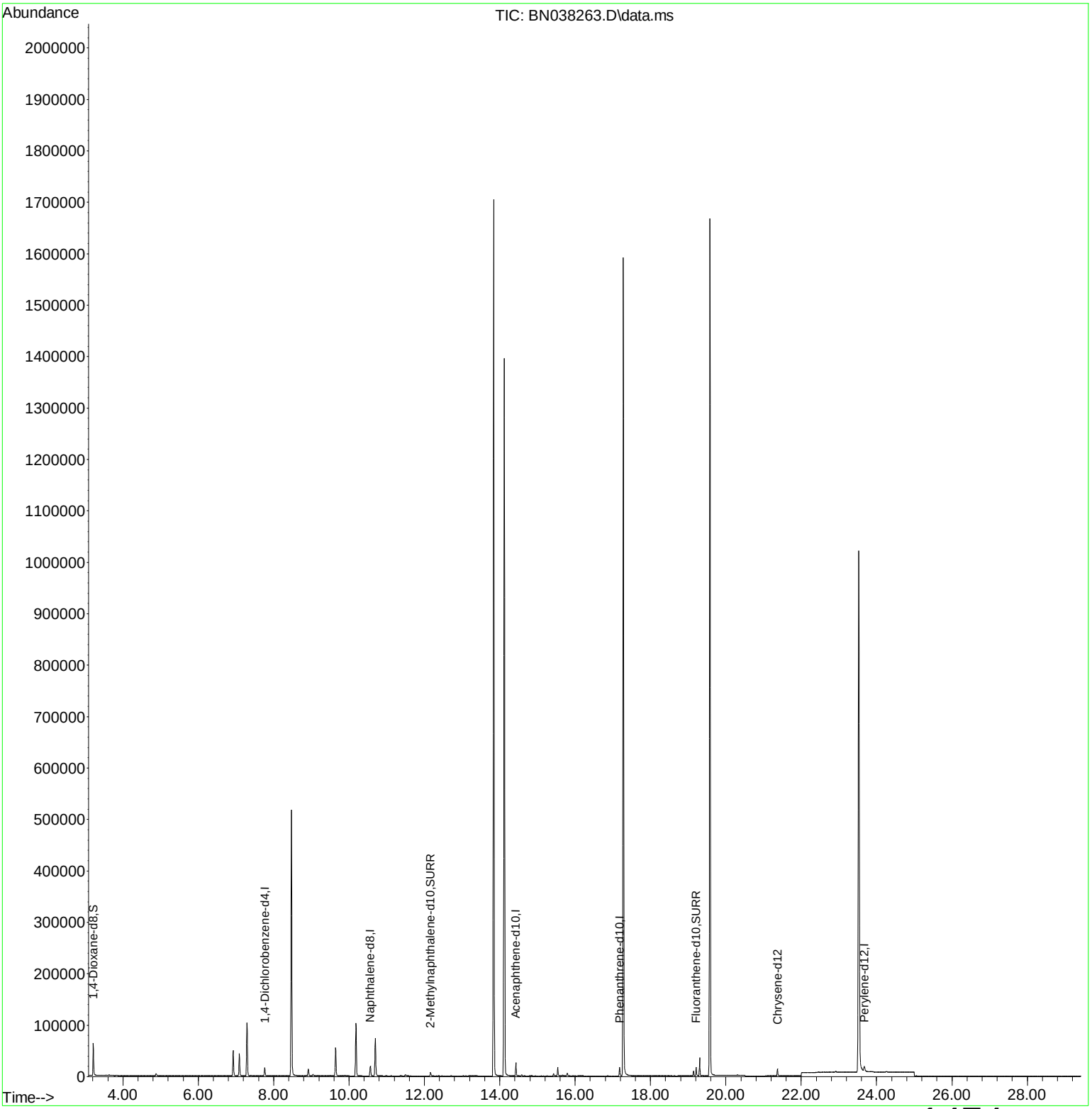
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM



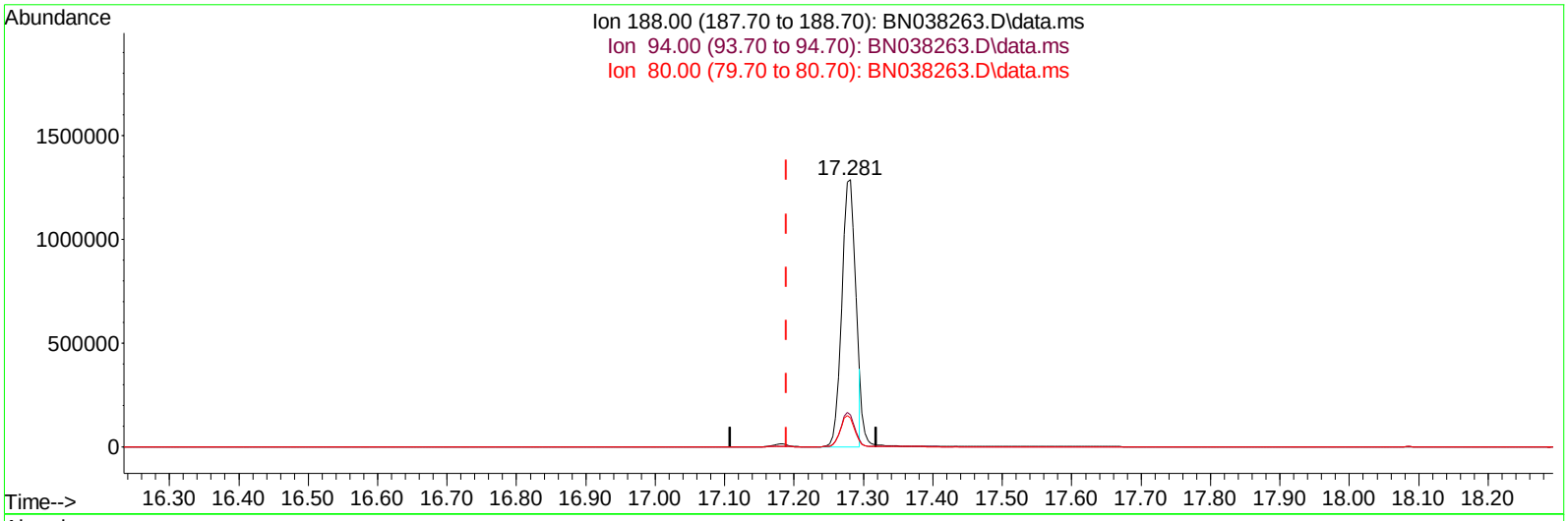
Quantitation Report (Qedit)

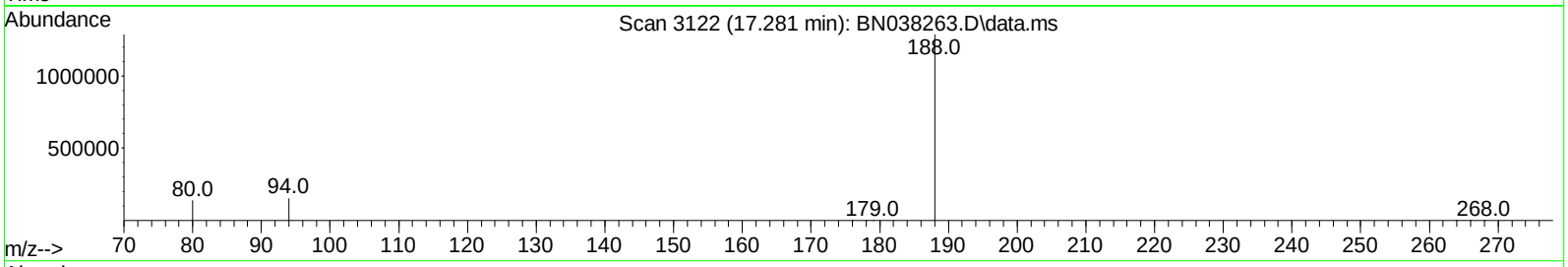
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Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

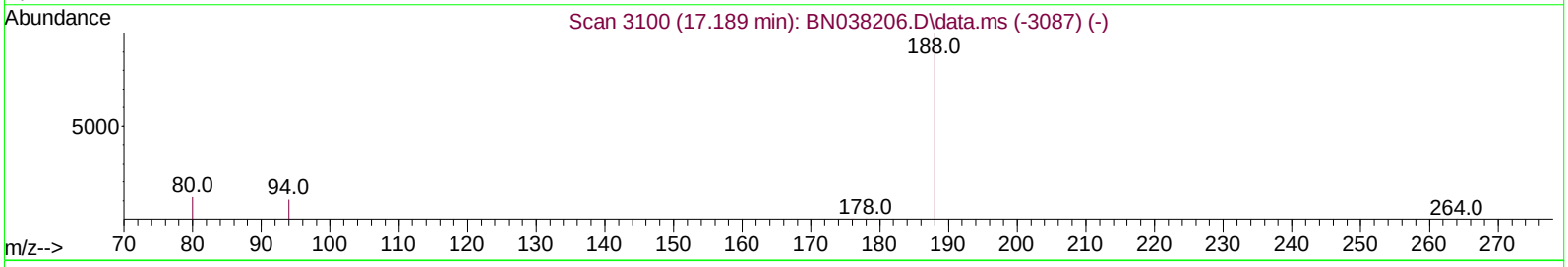
Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM







TIC: BN038263.D\data.ms

(13) Phenanthrene-d10 (I)

17.281min (+ 0.092) 0.40 ng/ul

response 1758630

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.98
80.00	12.20	10.82
0.00	0.00	0.00

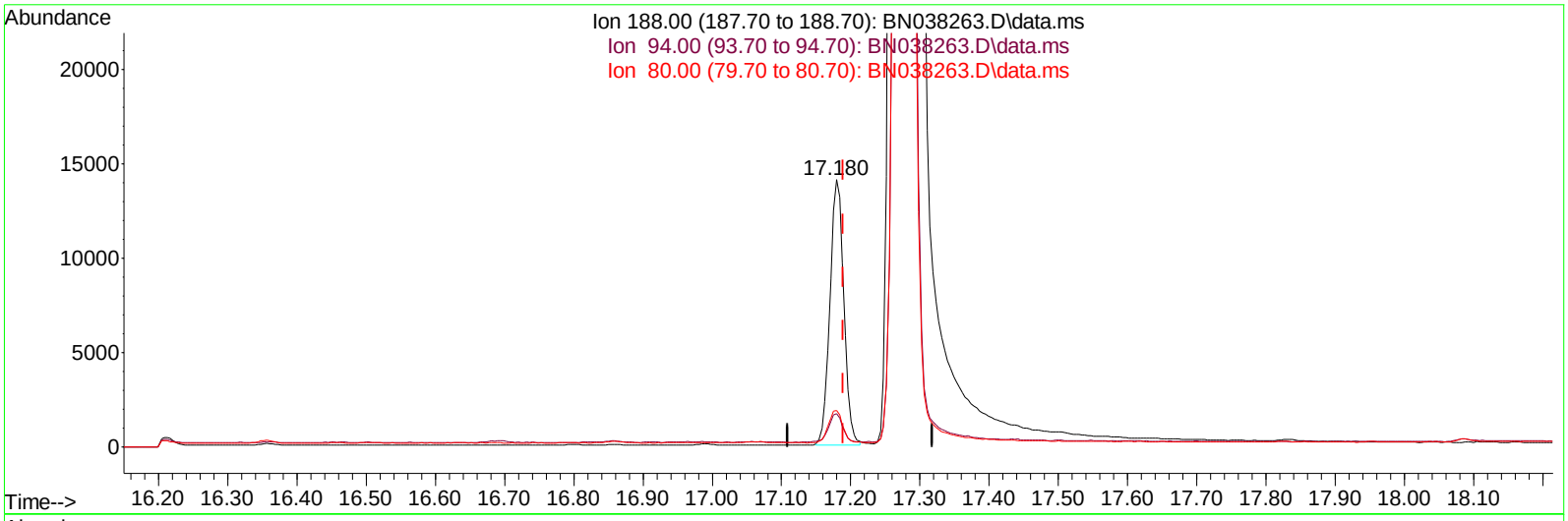
Quantitation Report (Qedit)

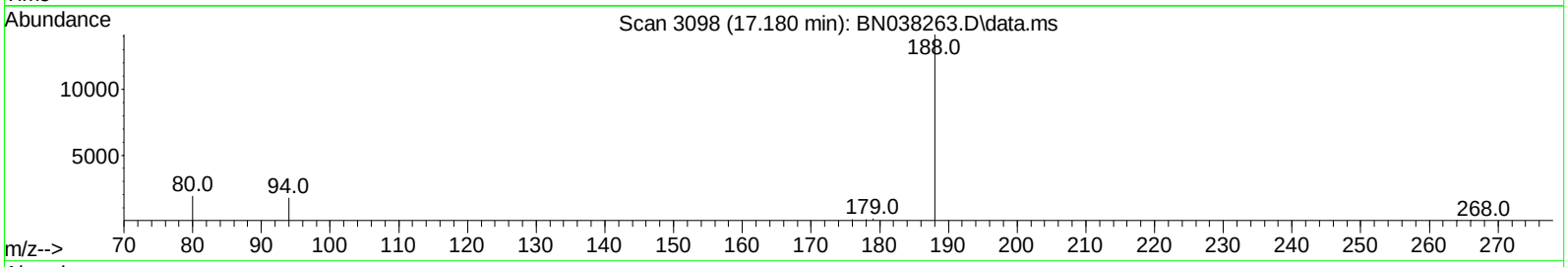
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

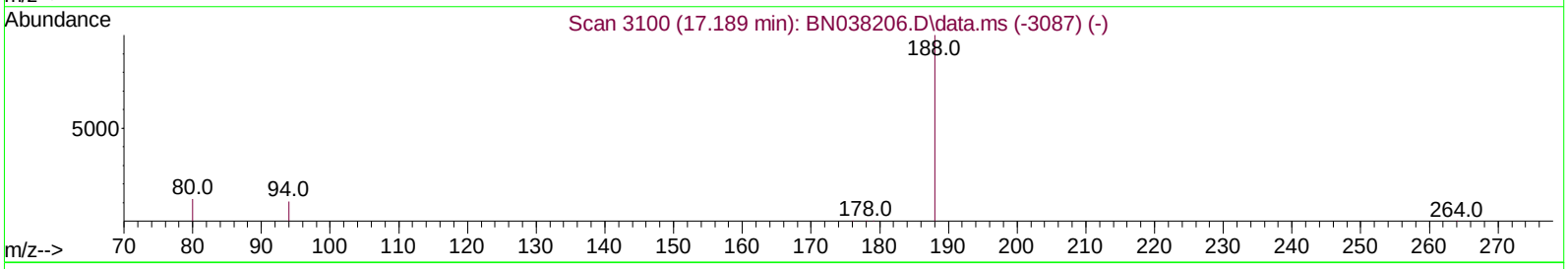
Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM







TIC: BN038263.D\data.ms

(13) Phenanthrene-d10 (I)

17.180min (-0.009) 0.40 ng/ul m

response 19738

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.47
80.00	12.20	13.69
0.00	0.00	0.00

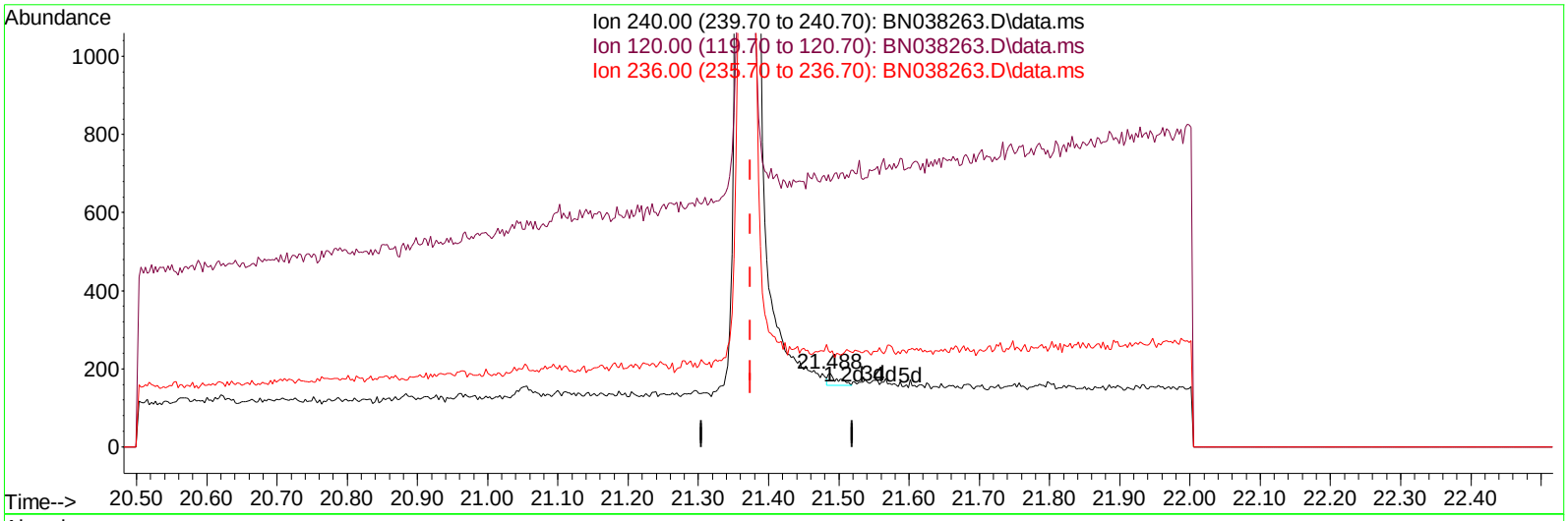
Quantitation Report (Qedit)

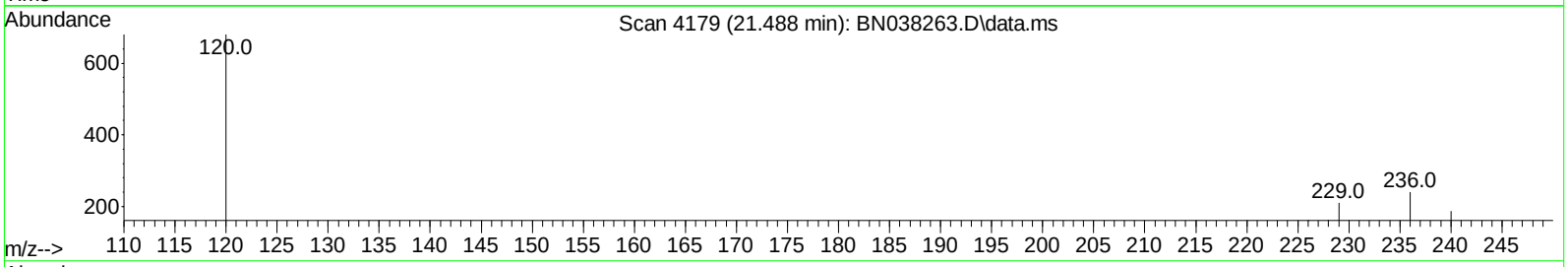
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

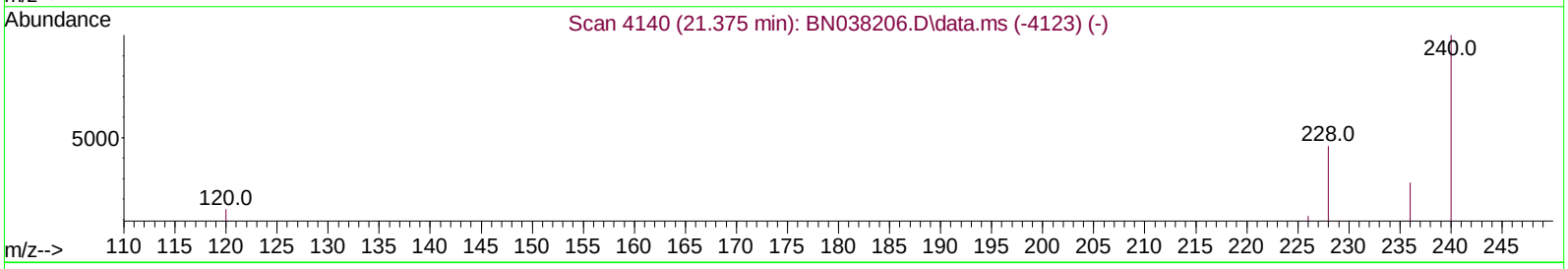
Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM







TIC: BN038263.D\data.ms

(17) Chrysene-d12

21.488min (+ 0.113) 0.40 ng/ul

response 32

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	361.70#
236.00	29.60	128.19#
0.00	0.00	0.00

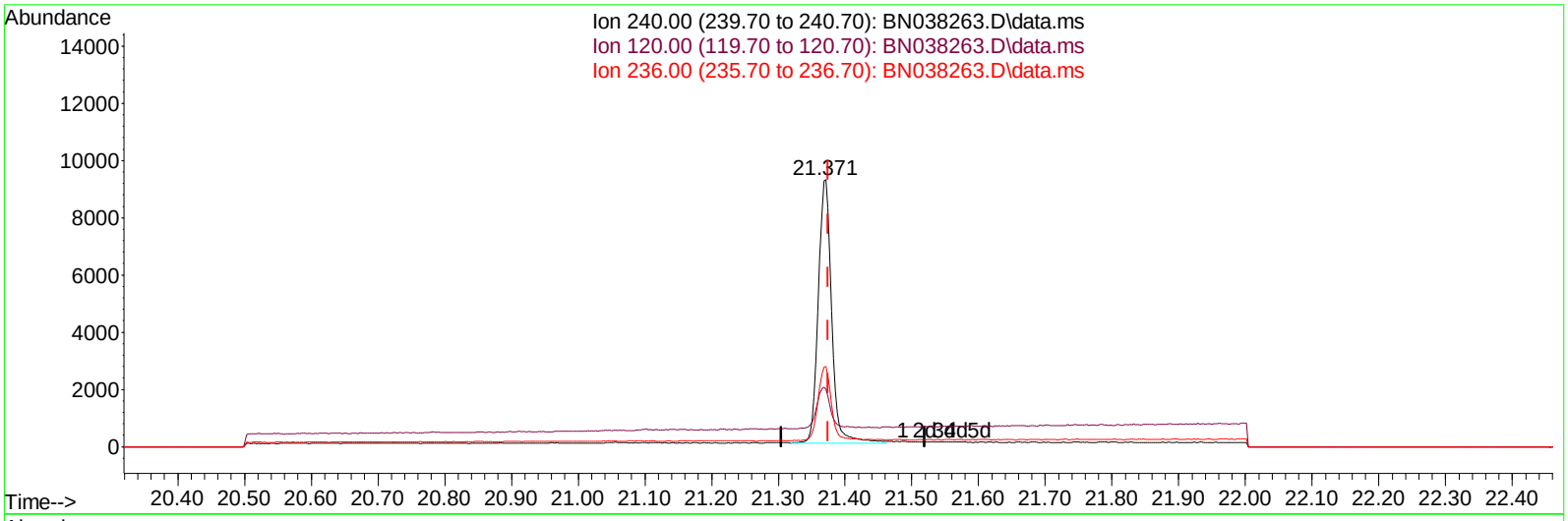
Quantitation Report (Qedit)

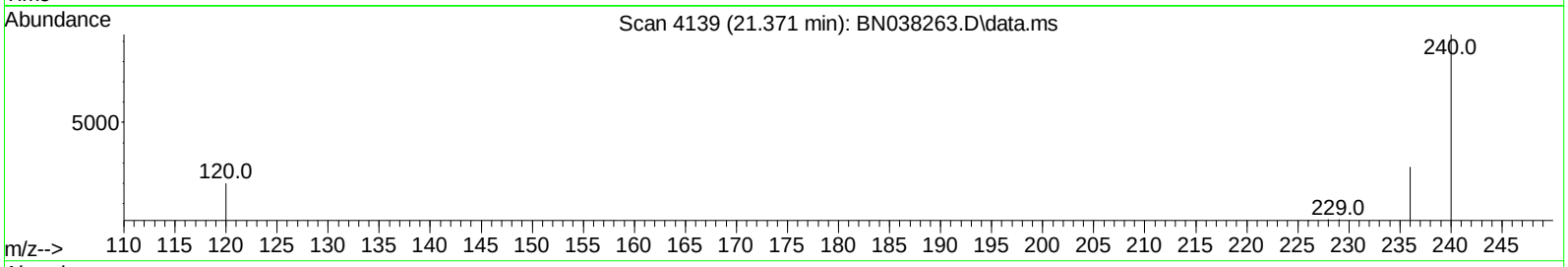
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

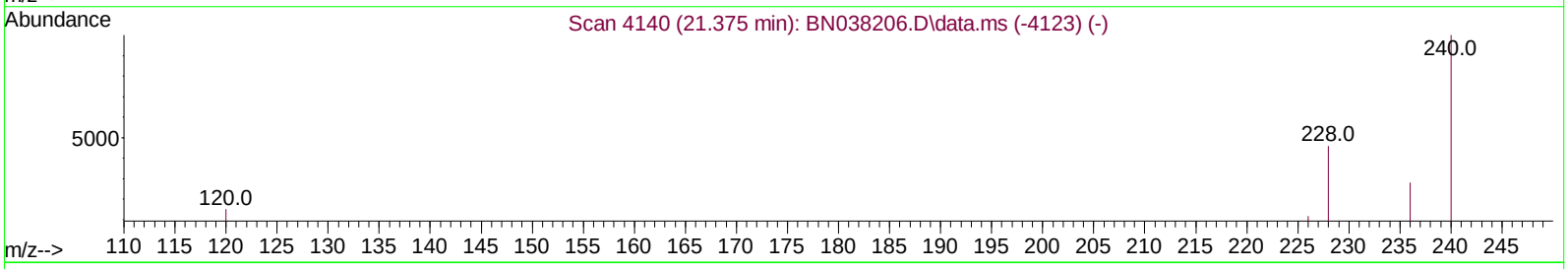
Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM







TIC: BN038263.D\data.ms

(17) Chrysene-d12

21.371min (-0.004) 0.40 ng/ul m

response 12815

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.53
236.00	29.60	30.10
0.00	0.00	0.00

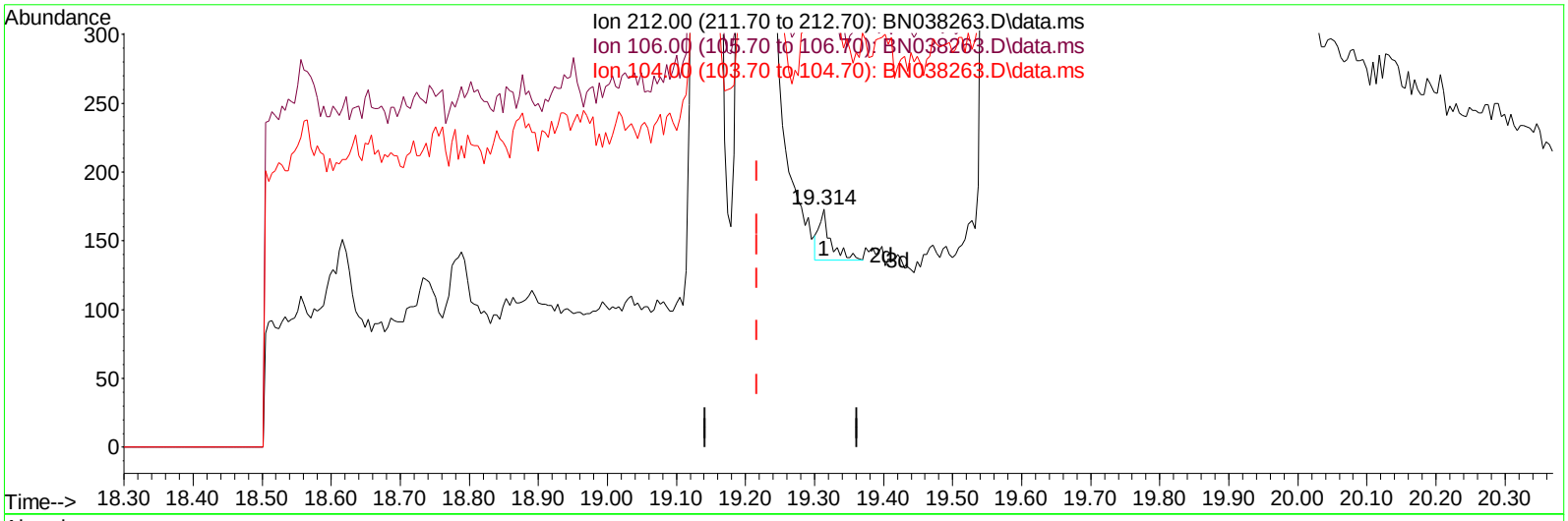
Quantitation Report (Qedit)

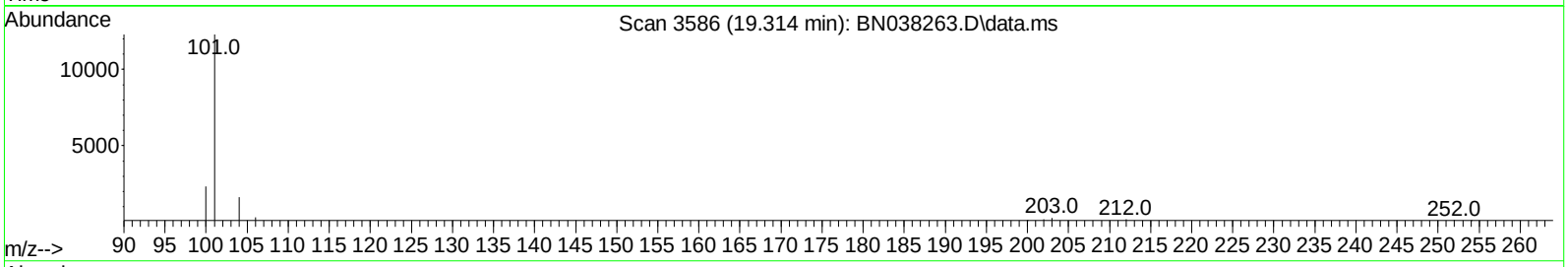
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

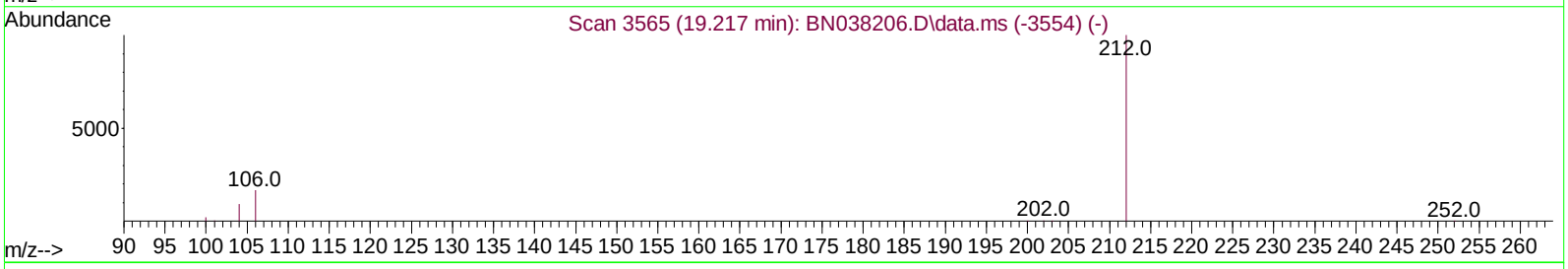
Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM







TIC: BN038263.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.314min (+ 0.097) 0.00 ng/ul

response 44

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	172.73#
104.00	9.20	7779.55#
0.00	0.00	0.00

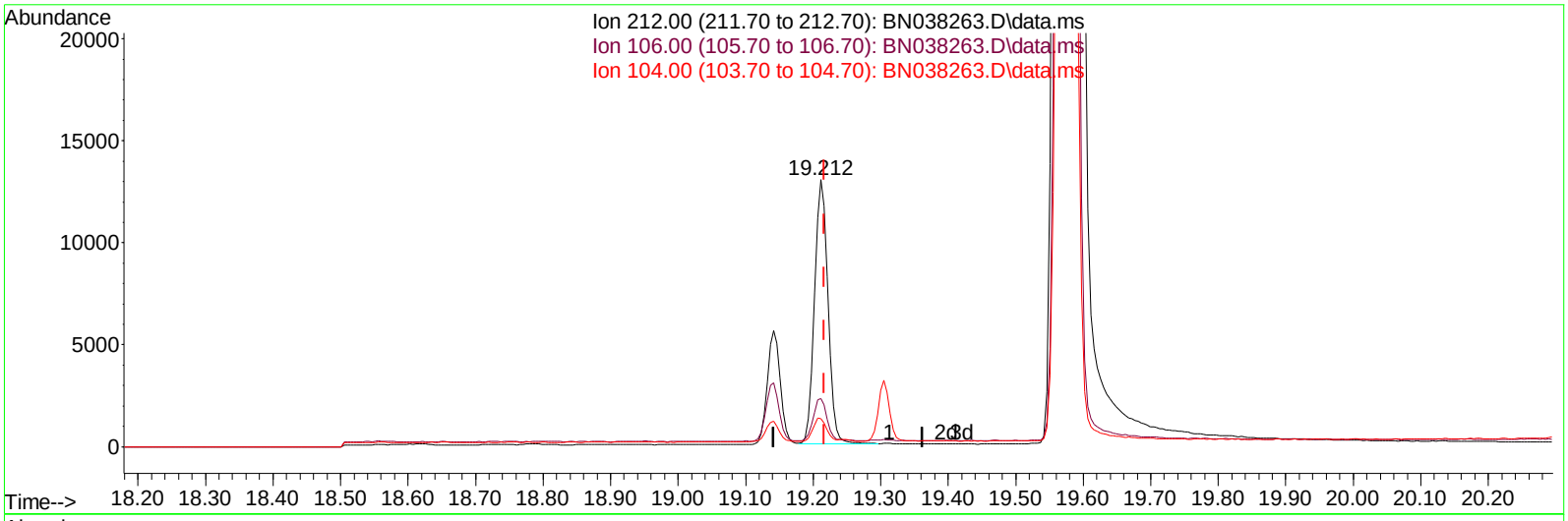
Quantitation Report (Qedit)

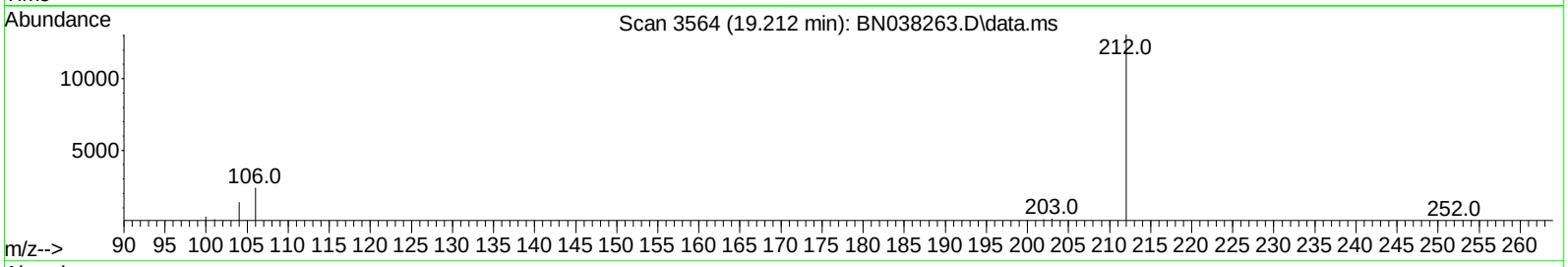
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
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Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

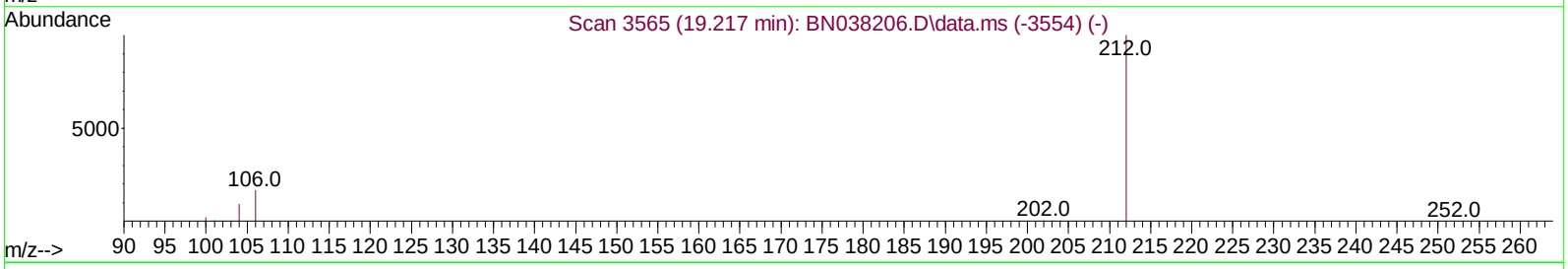
Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM







TIC: BN038263.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.212min (-0.005) 0.36 ng/ul m

response 17897

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.42#
104.00	9.20	19.13#
0.00	0.00	0.00

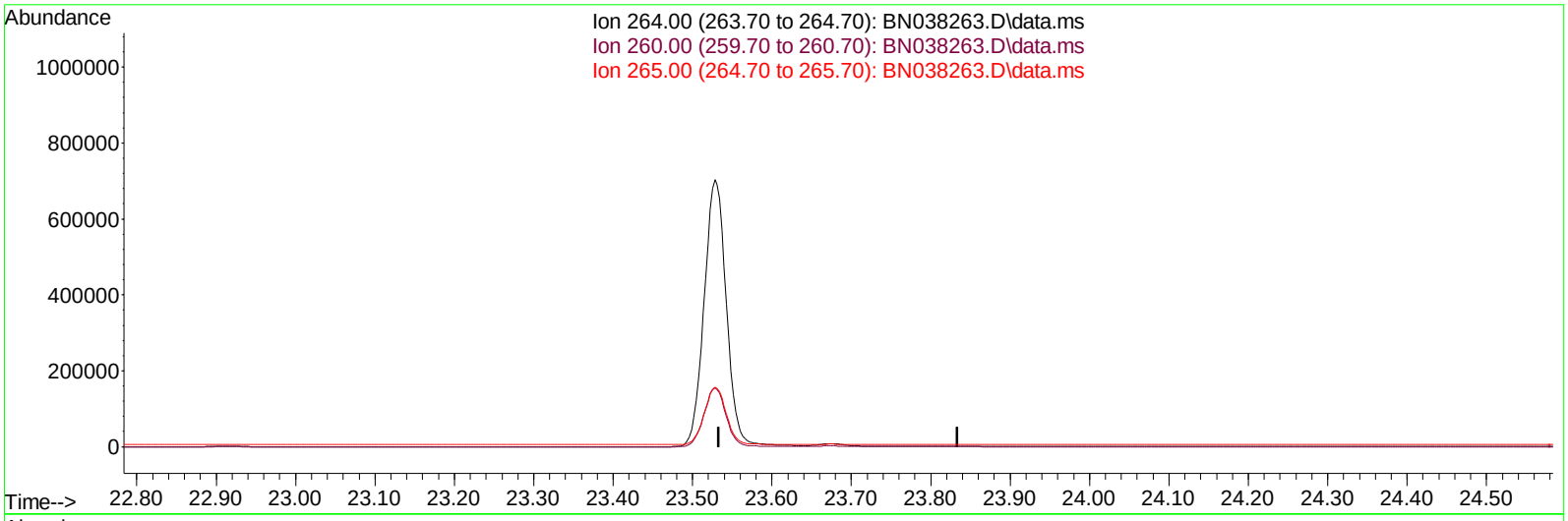
Quantitation Report (Qedit)

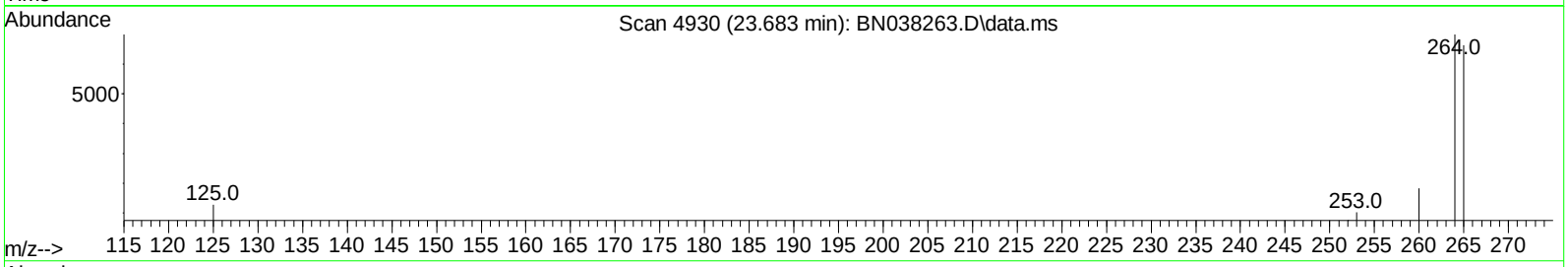
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Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

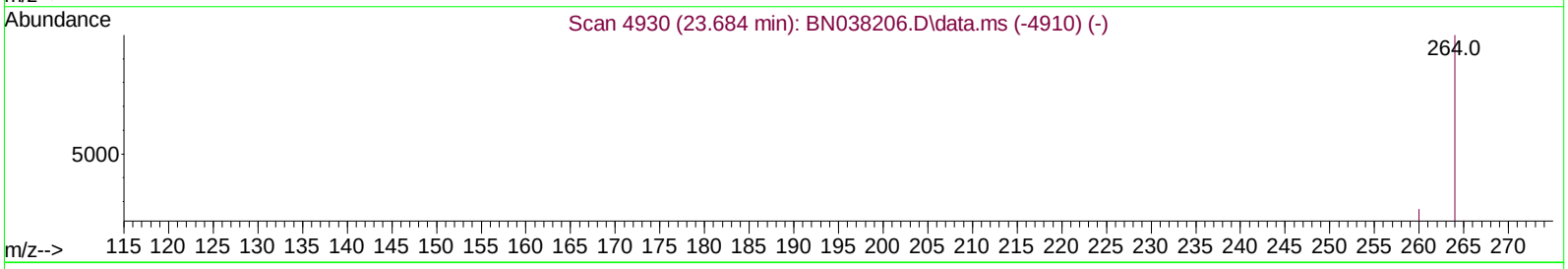
Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM







TIC: BN038263.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

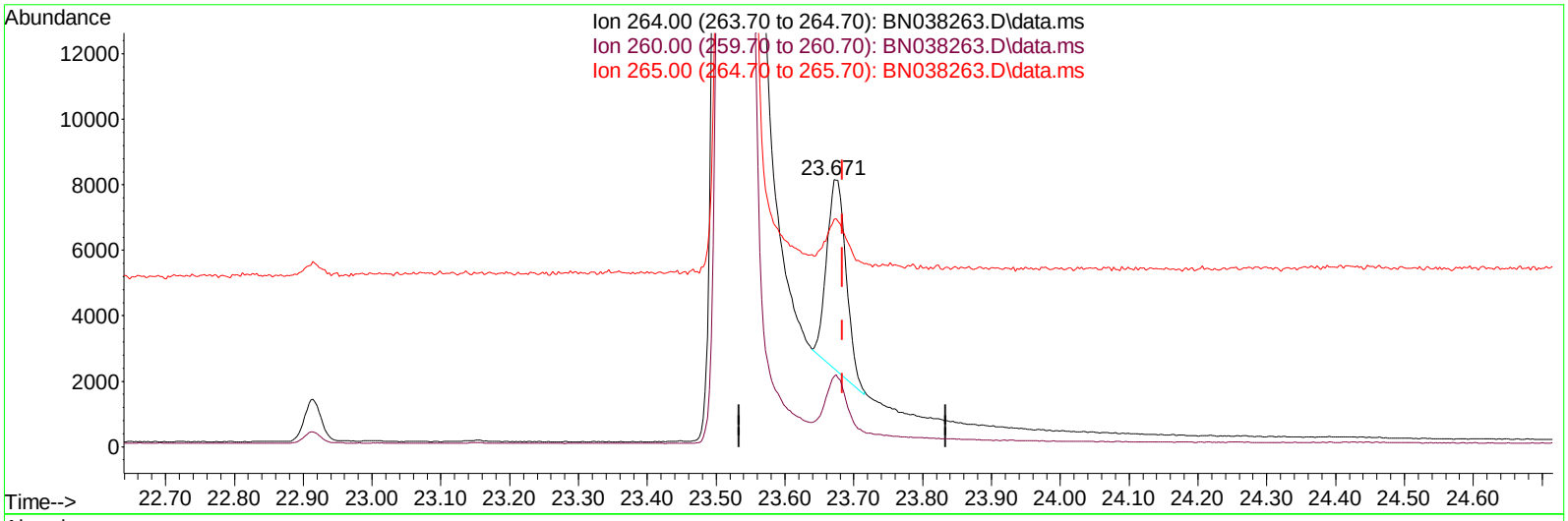
Quantitation Report (Qedit)

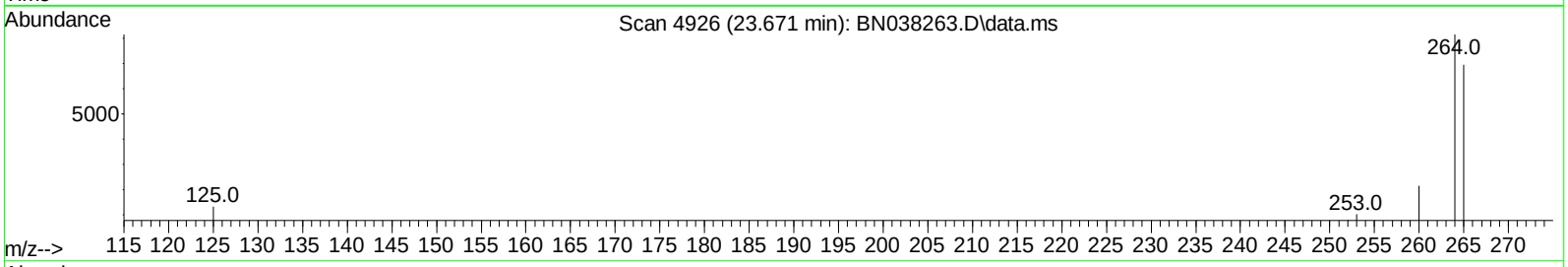
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

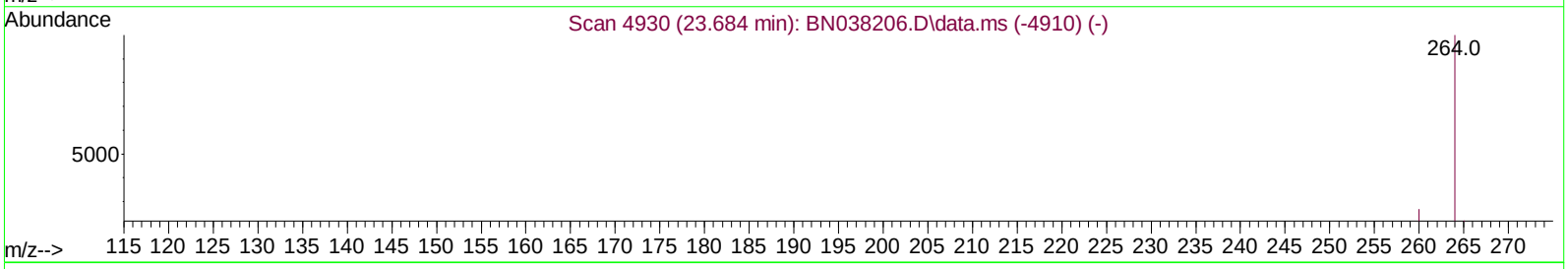
Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM







TIC: BN038263.D\data.ms

(23) Perylene-d12 (I)

23.671min (-0.012) 0.40 ng/ul m

response 11343

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.38
265.00	124.40	85.31#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038263.D
Acq On : 02 Dec 2025 20:04
Operator : RC/JU
Sample : Q3688-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
FDGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:43 PM

Quant Time: Dec 03 01:20:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8265	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	26145	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	13579	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	19738m	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	12815m	0.400	ng/ul	0.00
23) Perylene-d12	23.671	264	11343m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	38542	4.444	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	10045	0.269	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	17897m	0.359	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-28I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-19
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BN038276.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.040	J

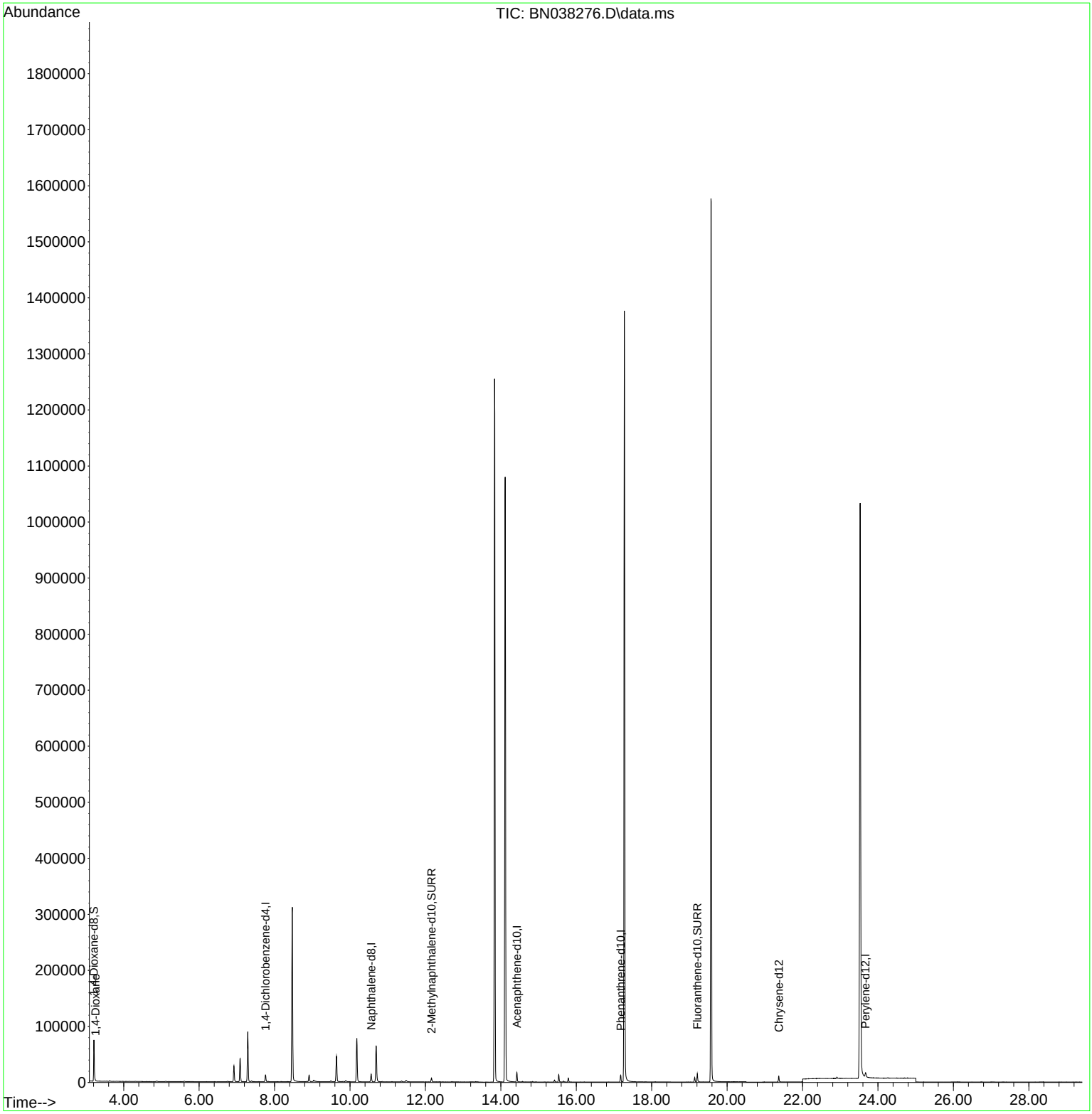
Quantitation Report (QT Reviewed)

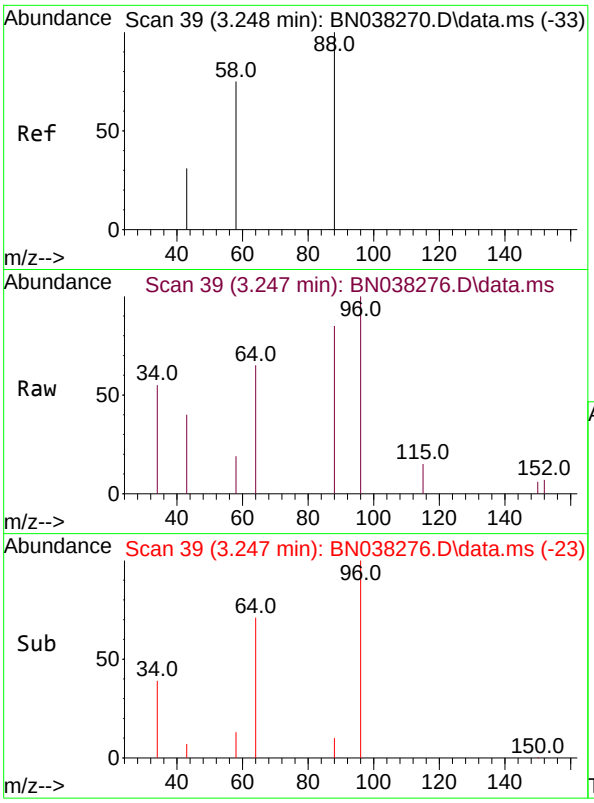
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038276.D
Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

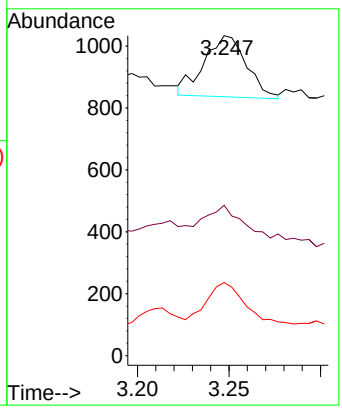




#2
1,4-Dioxane
Concen: 0.044 ng/ul
RT: 3.247 min Scan# 39
Delta R.T. -0.004 min
Lab File: BN038276.D
Acq: 05 Dec 2025 15:43

Tgt Ion: 88 Resp: 318

Ion	Ratio	Lower	Upper
88	100		
43	47.0	27.5	41.3#
58	22.8	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038276.D
Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	6347	0.400	ng/ul	0.00
4) Naphthalene-d8	10.561	136	18463	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.426	164	9152	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.178	188	14718m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.371	240	10478m	0.400	ng/ul	0.00
23) Perylene-d12	23.671	264	9107m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.209	96	43558	6.541	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	9293	0.353	ng/ul	-0.01
18) Fluoranthene-d10	19.210	212	15819m	0.388	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	318	0.044	ng/ul#	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

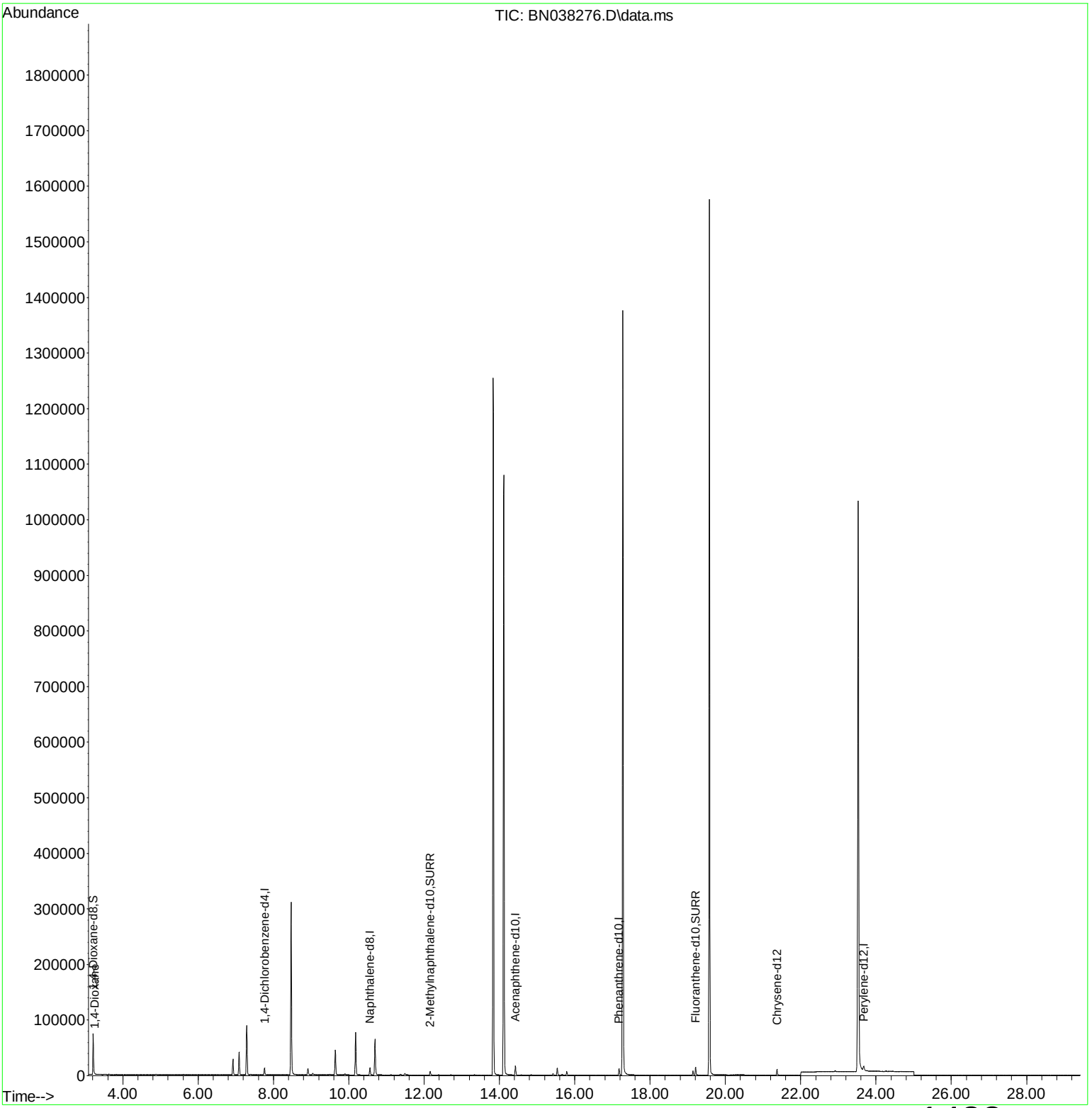
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038276.D
Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



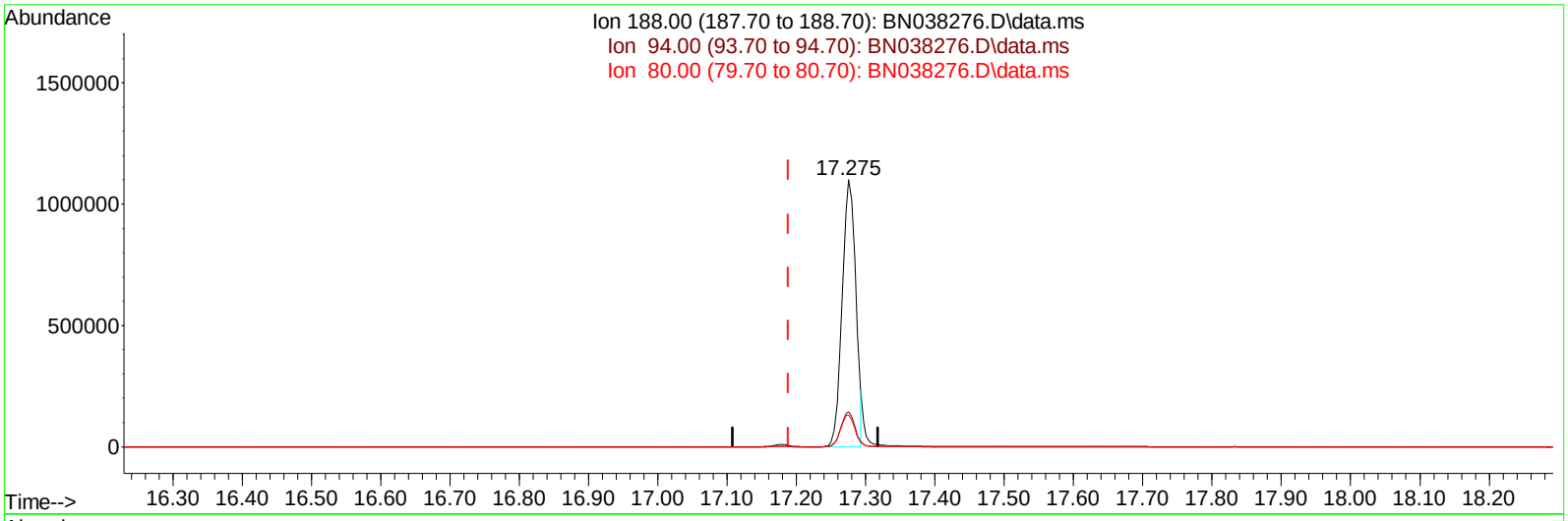
Quantitation Report (Qedit)

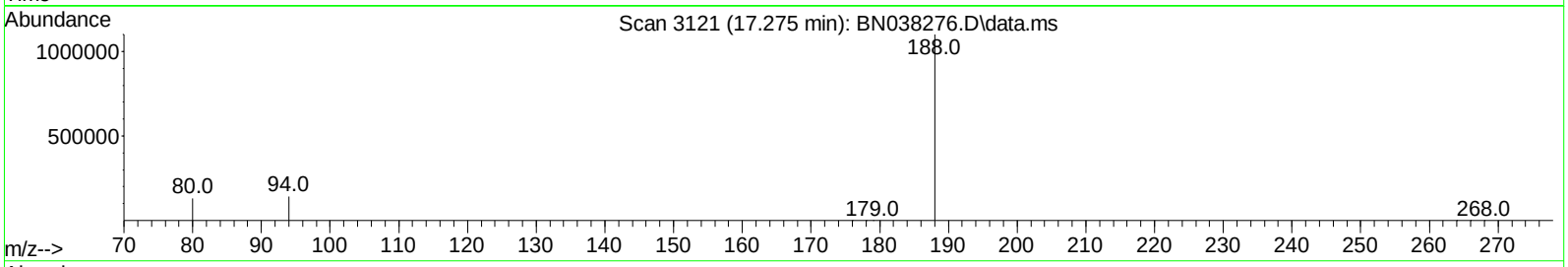
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Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

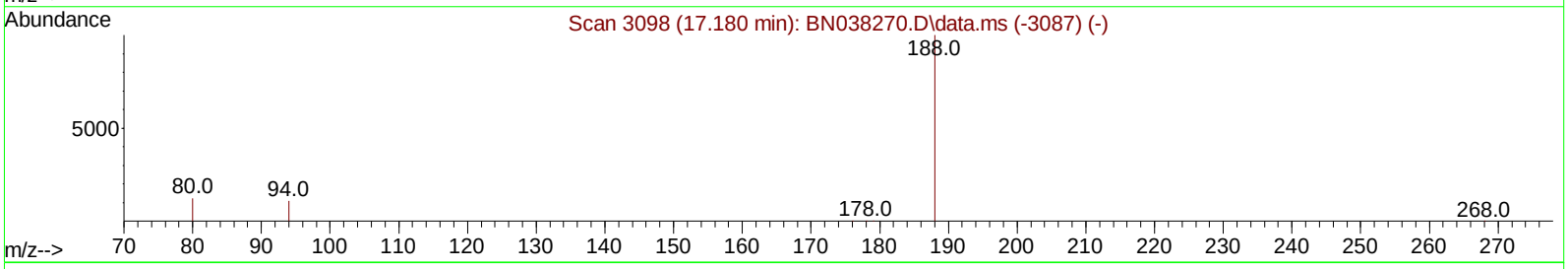
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
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TIC: BN038276.D\data.ms

(13) Phenanthrene-d10 (I)

17.275min (+ 0.087) 0.40 ng/ul

response 1495560

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	13.04
80.00	12.20	11.91
0.00	0.00	0.00

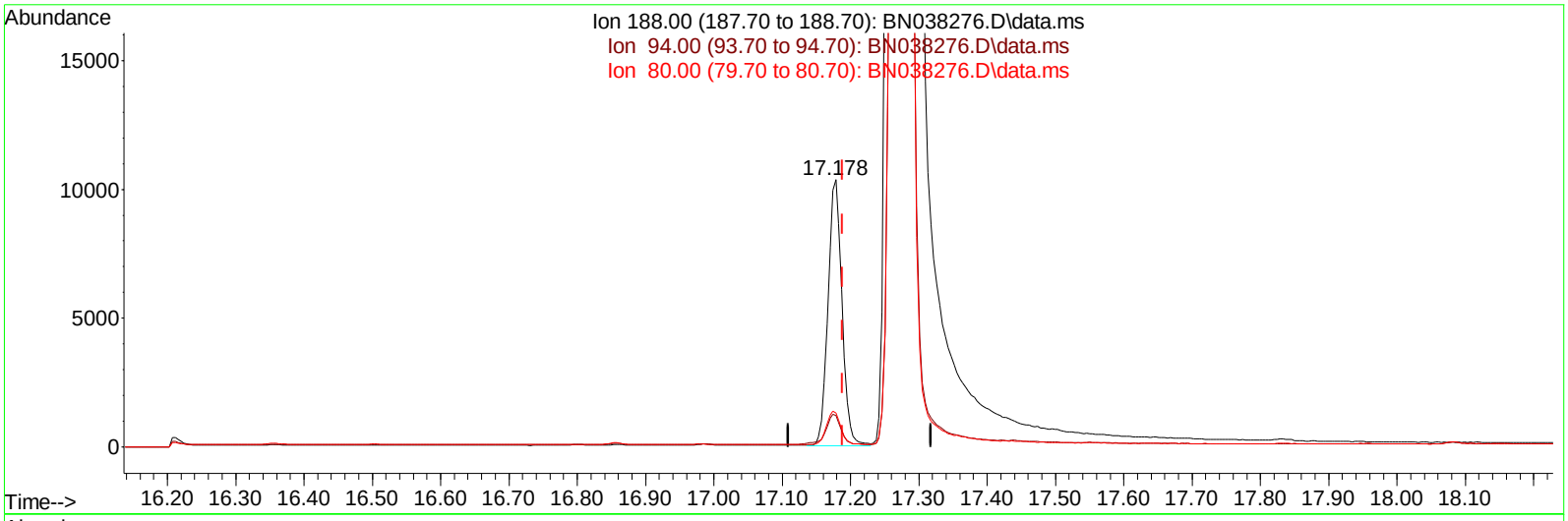
Quantitation Report (Qedit)

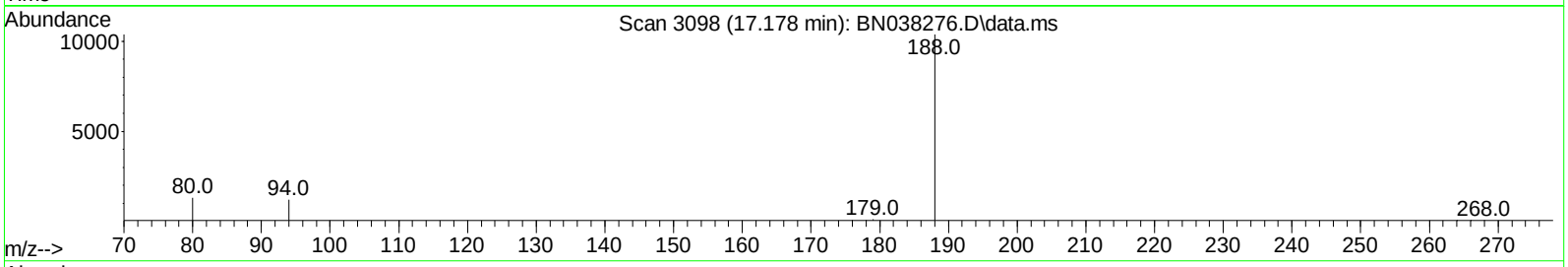
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Data File : BN038276.D
Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

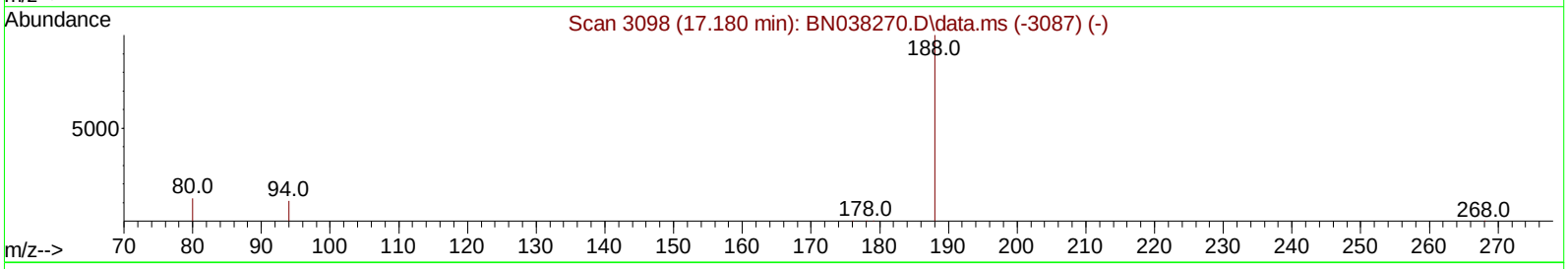
Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038276.D\data.ms

(13) Phenanthrene-d10 (I)

17.178min (-0.010) 0.40 ng/ul m

response 14718

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.66
80.00	12.20	12.72
0.00	0.00	0.00

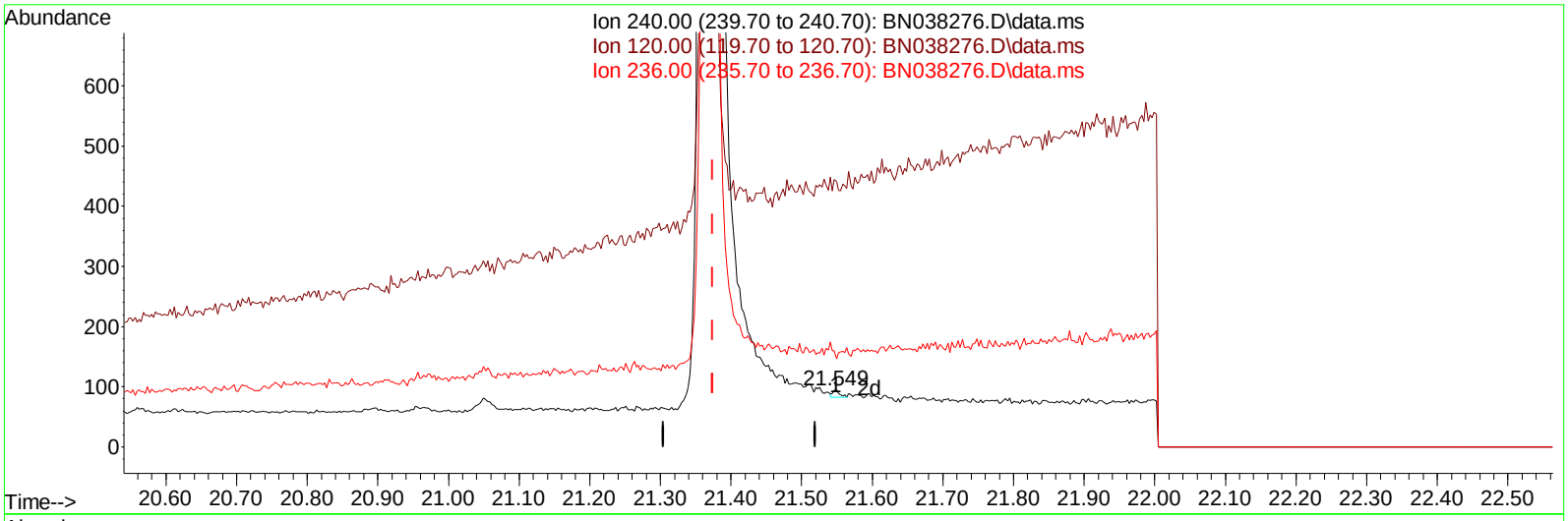
Quantitation Report (Qedit)

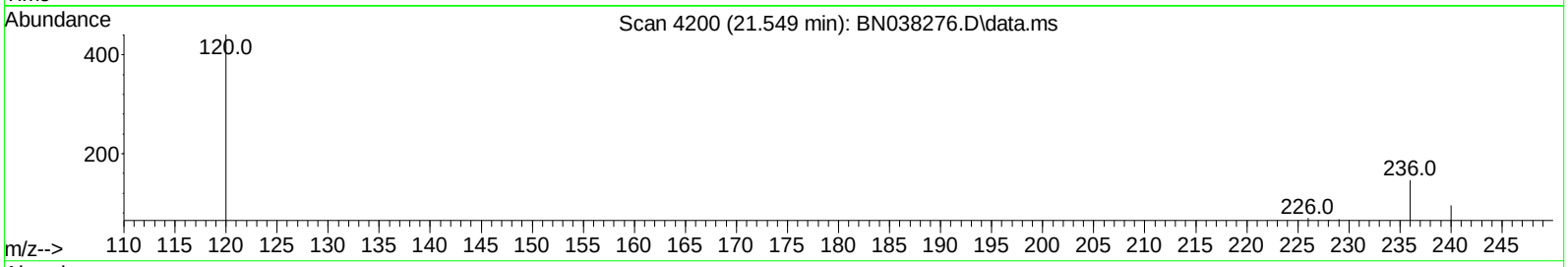
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Data File : BN038276.D
Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

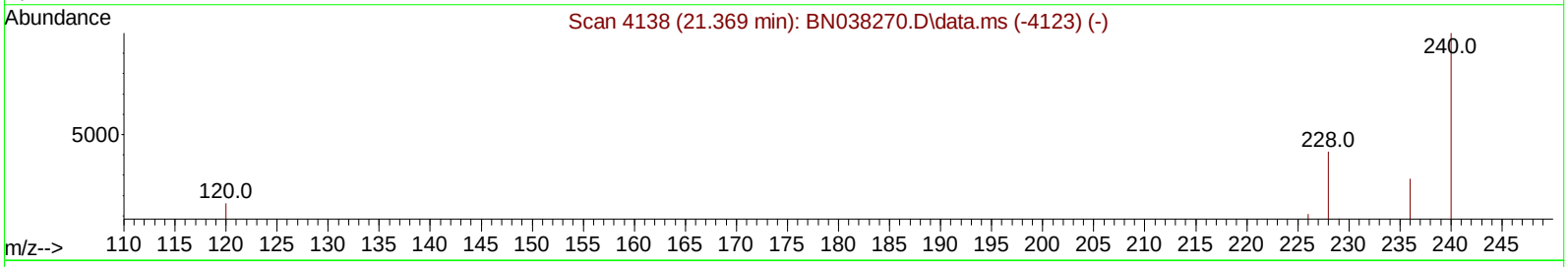
Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038276.D\data.ms

(17) Chrysene-d12

21.549min (+ 0.175) 0.40 ng/ul

response 8

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	464.21#
236.00	29.60	153.68#
0.00	0.00	0.00

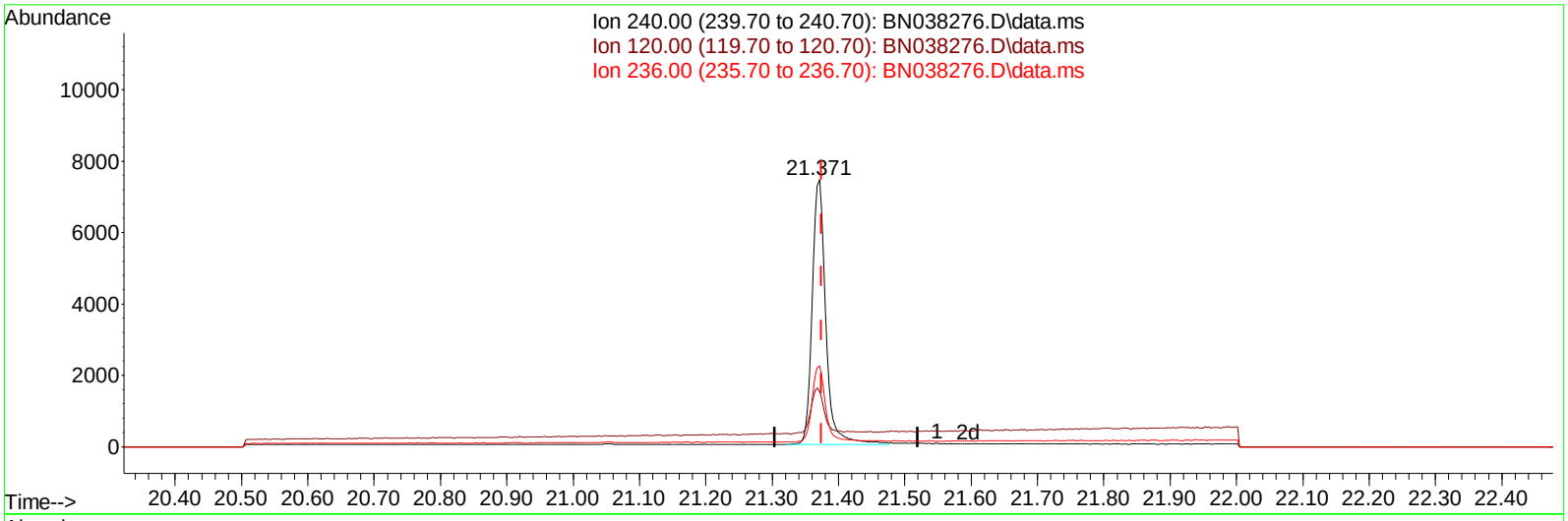
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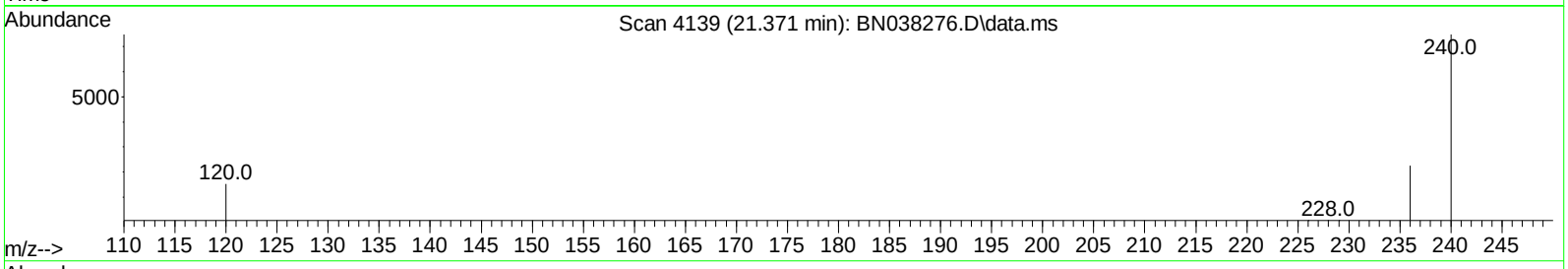
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Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

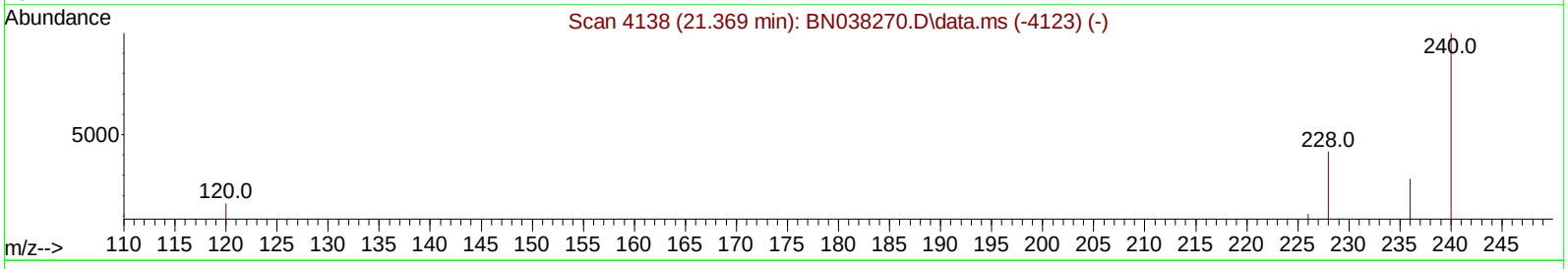
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038276.D\data.ms

(17) Chrysene-d12

21.371min (-0.004) 0.40 ng/ul m

response 10478

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	20.61
236.00	29.60	30.31
0.00	0.00	0.00

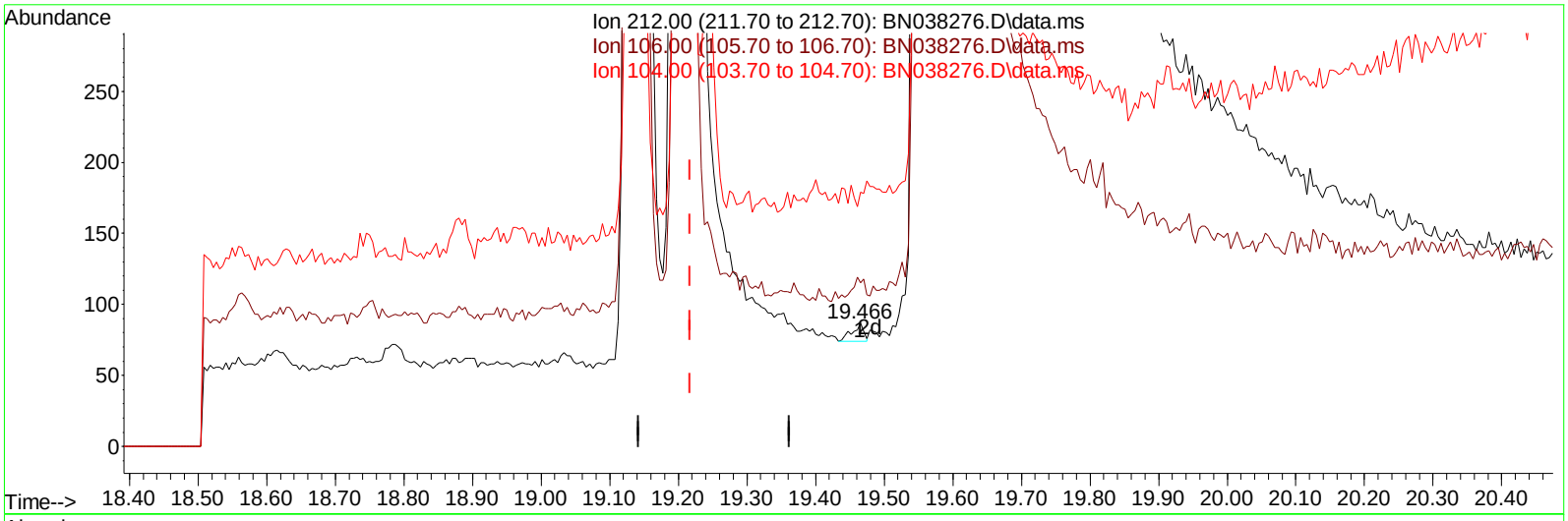
Quantitation Report (Qedit)

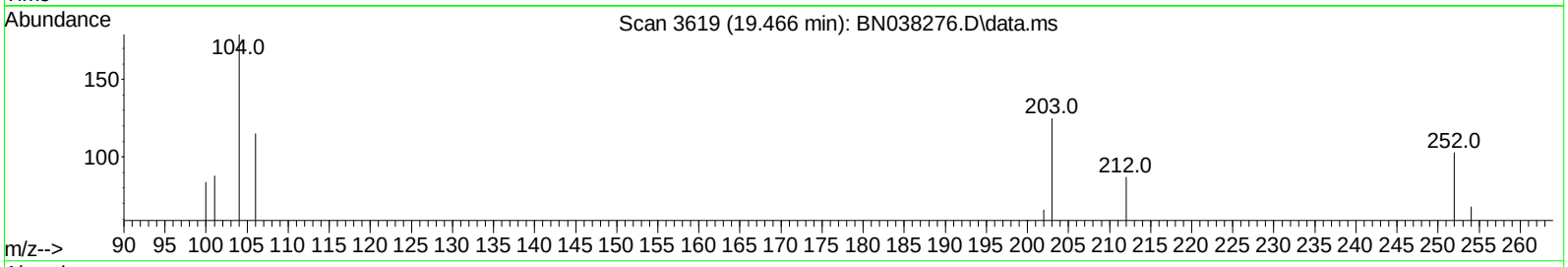
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Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

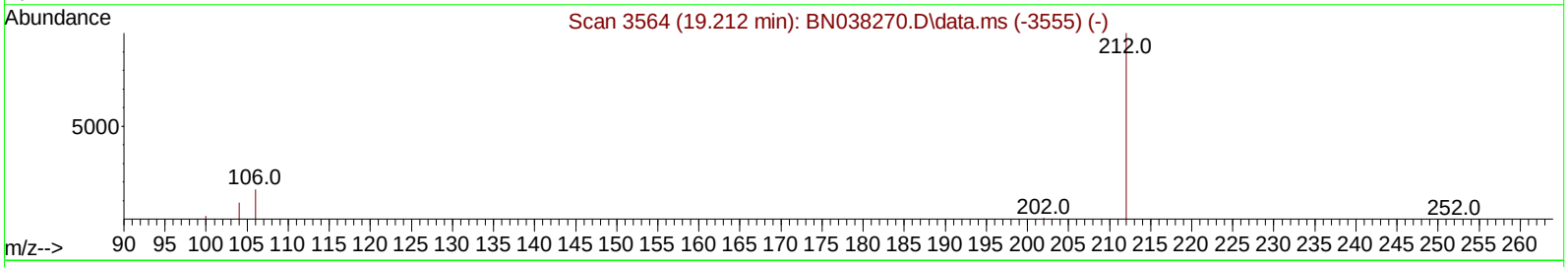
Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038276.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.466min (+ 0.249) 0.00 ng/ul

response 15

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	100.00#
104.00	9.20	0.00#
0.00	0.00	0.00

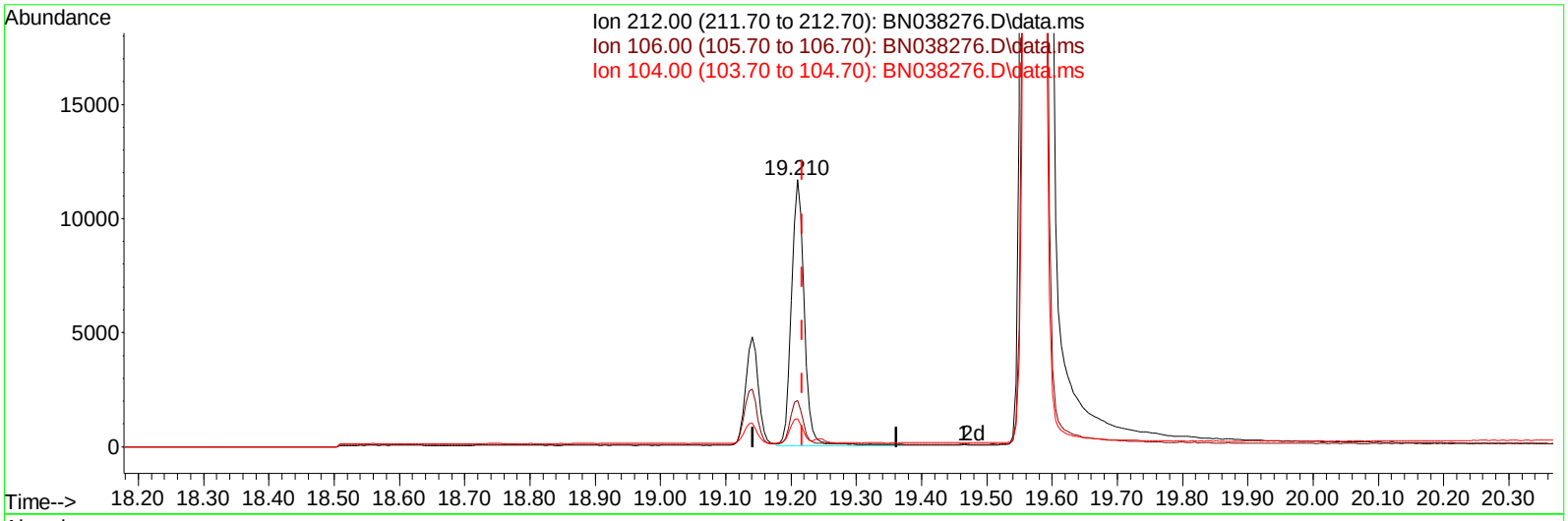
Quantitation Report (Qedit)

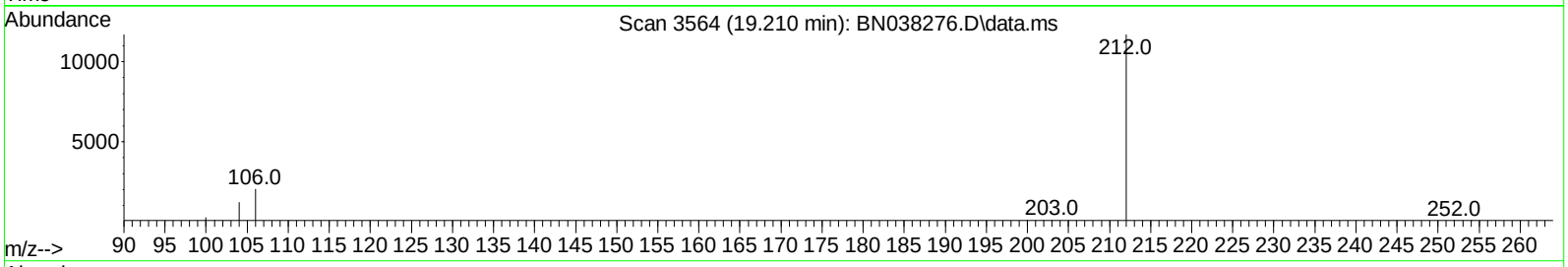
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Data File : BN038276.D
Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

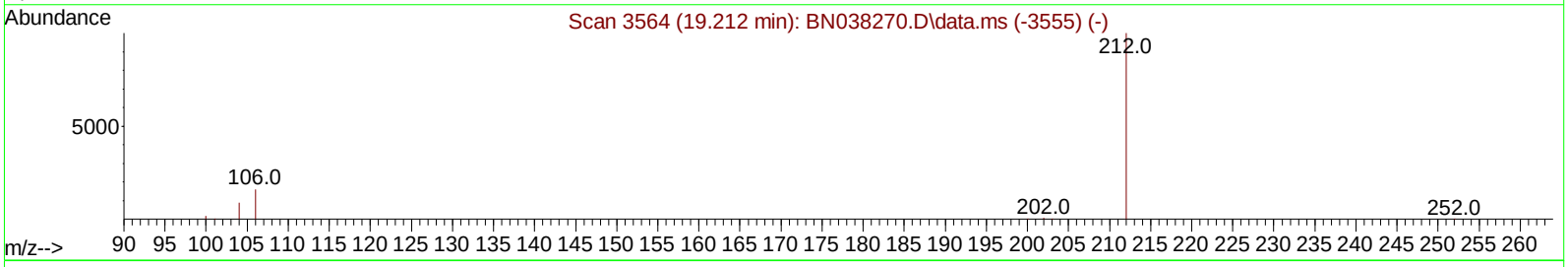
Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038276.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.210min (-0.007) 0.39 ng/ul m

response 15819

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.09#
104.00	9.20	0.00#
0.00	0.00	0.00

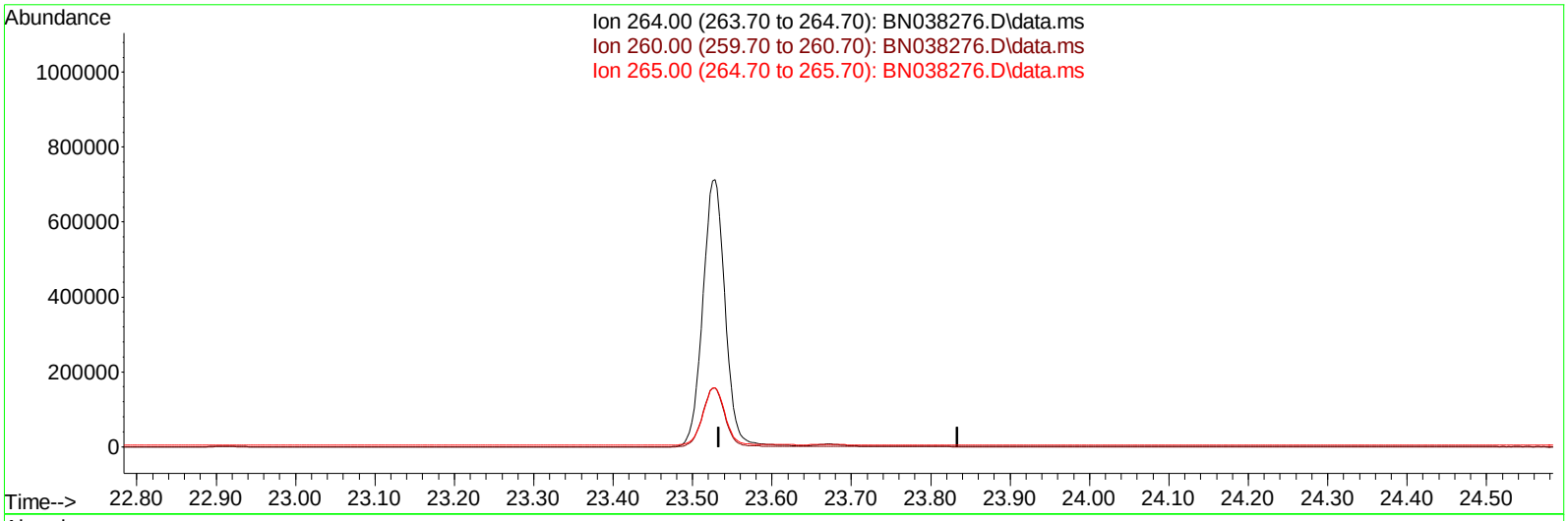
Quantitation Report (Qedit)

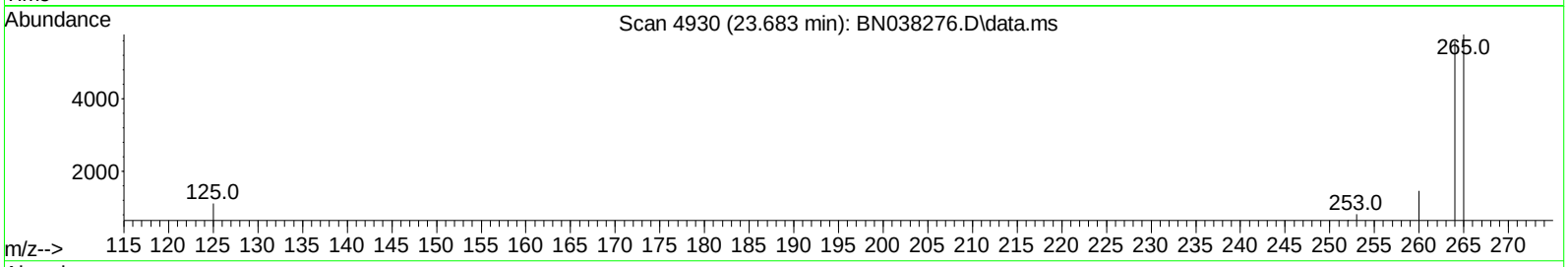
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Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

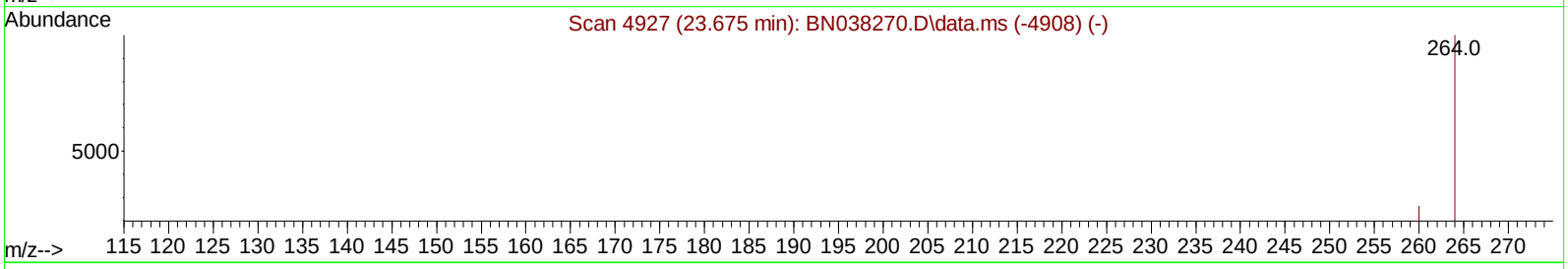
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038276.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

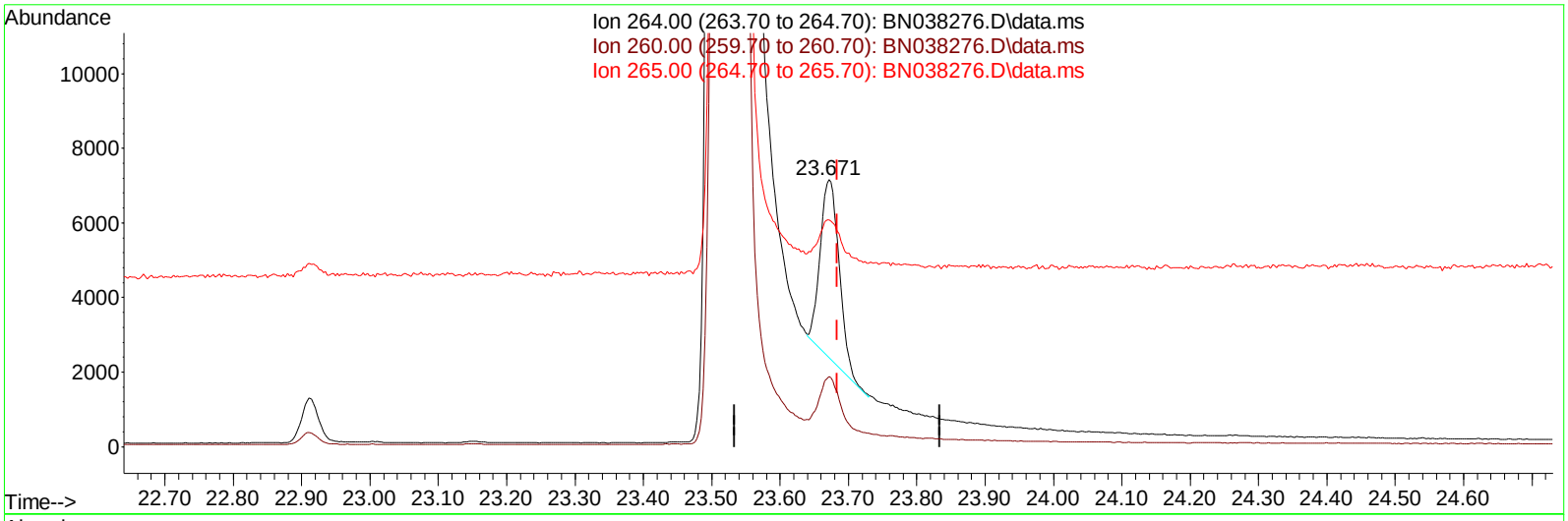
Quantitation Report (Qedit)

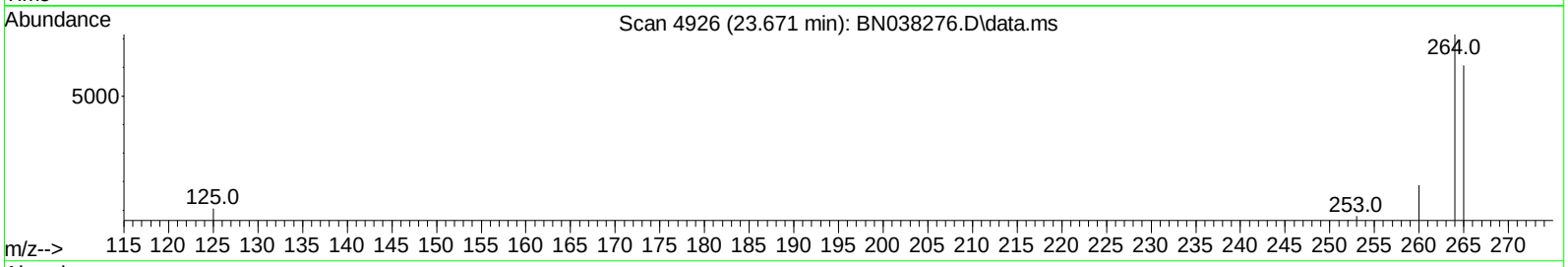
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Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

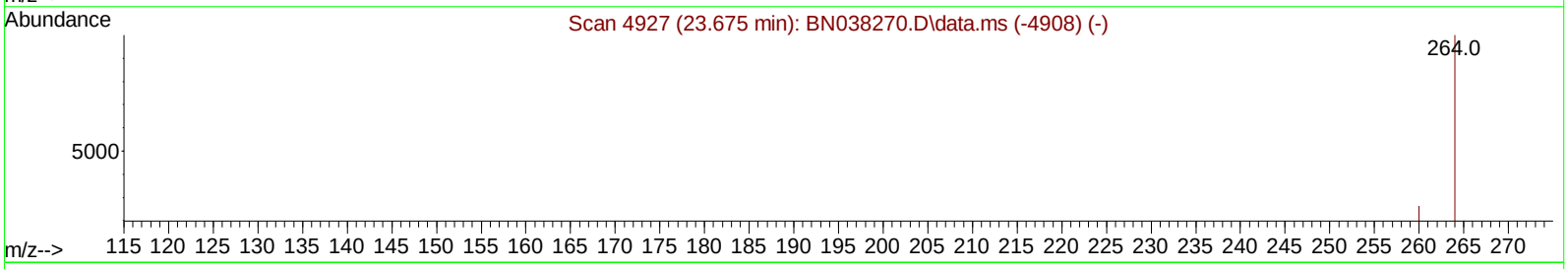
Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038276.D\data.ms

(23) Perylene-d12 (I)

23.671min (-0.012) 0.40 ng/ul m

response 9107

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.28
265.00	124.40	84.88#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038276.D
Acq On : 05 Dec 2025 15:43
Operator : RC/JU
Sample : Q3688-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-28I

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 16:09:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	6347	0.400	ng/ul	0.00
4) Naphthalene-d8	10.561	136	18463	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.426	164	9152	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.178	188	14718m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.371	240	10478m	0.400	ng/ul	0.00
23) Perylene-d12	23.671	264	9107m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.209	96	43558	6.541	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	9293	0.353	ng/ul	-0.01
18) Fluoranthene-d10	19.210	212	15819m	0.388	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	318	0.044	ng/ul#	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-28S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-23
Sample wt/vol : 960 (g/mL) mL
Lab File ID : BN038279.D
% Solids :
Date Received : 11/24/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	19	E

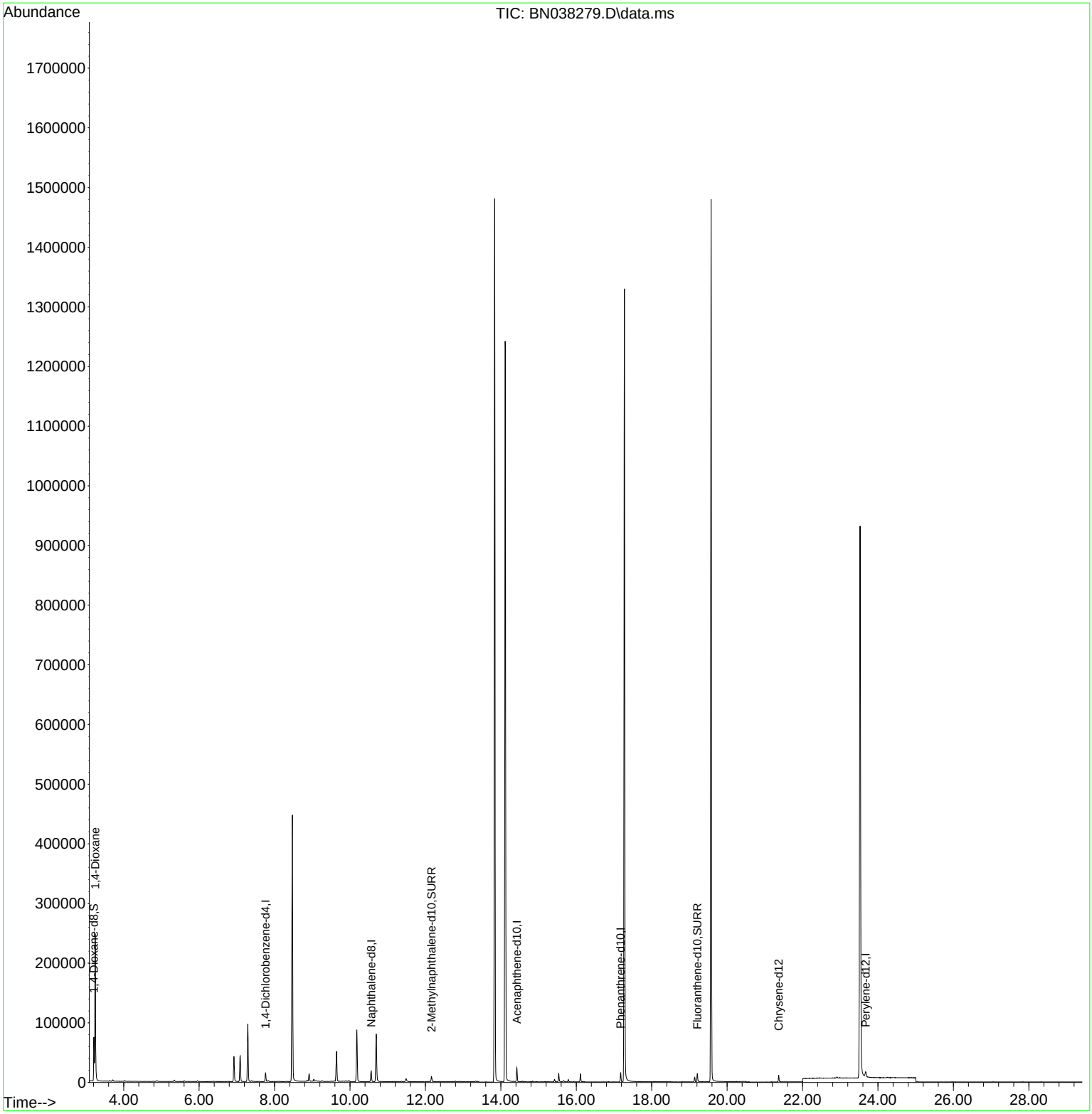
Quantitation Report (QT Reviewed)

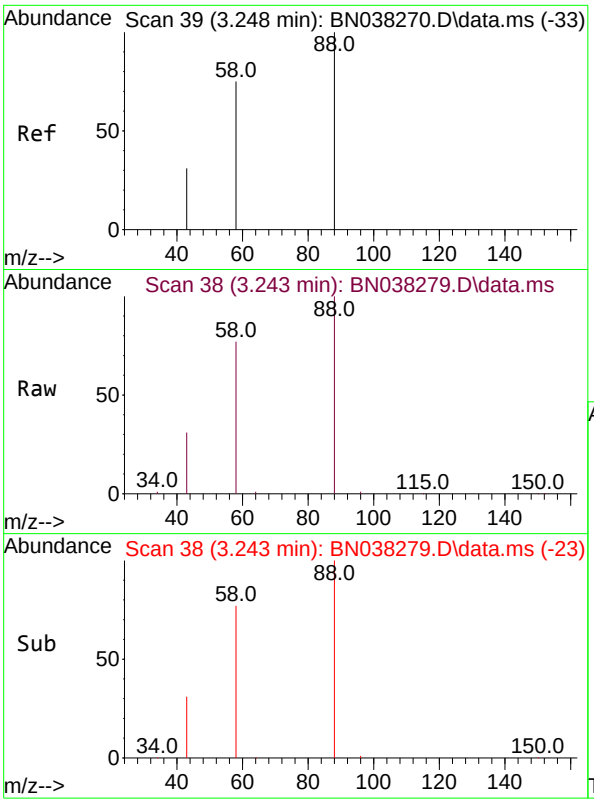
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Data File : BN038279.D
Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 05 22:20:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

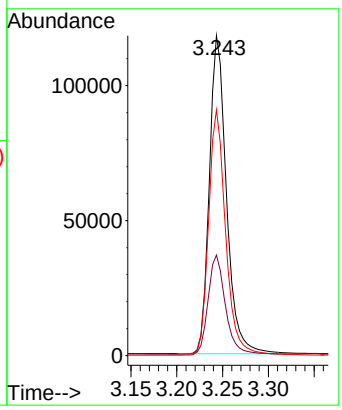




#2
1,4-Dioxane
Concen: 17.943 ng/ul
RT: 3.243 min Scan# 38
Delta R.T. -0.009 min
Lab File: BN038279.D
Acq: 05 Dec 2025 17:32

Tgt Ion: 88 Resp: 153154

Ion	Ratio	Lower	Upper
88	100		
43	31.4	27.5	41.3
58	76.8	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
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Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038279.D
Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 22:20:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7552	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	23818	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.424	164	12453	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.176	188	17717m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.369	240	10969m	0.400	ng/ul	0.00
23) Perylene-d12	23.672	264	9522m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	41677	5.260	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	11505	0.339	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	14856m	0.348	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	153154	17.943	ng/ul#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

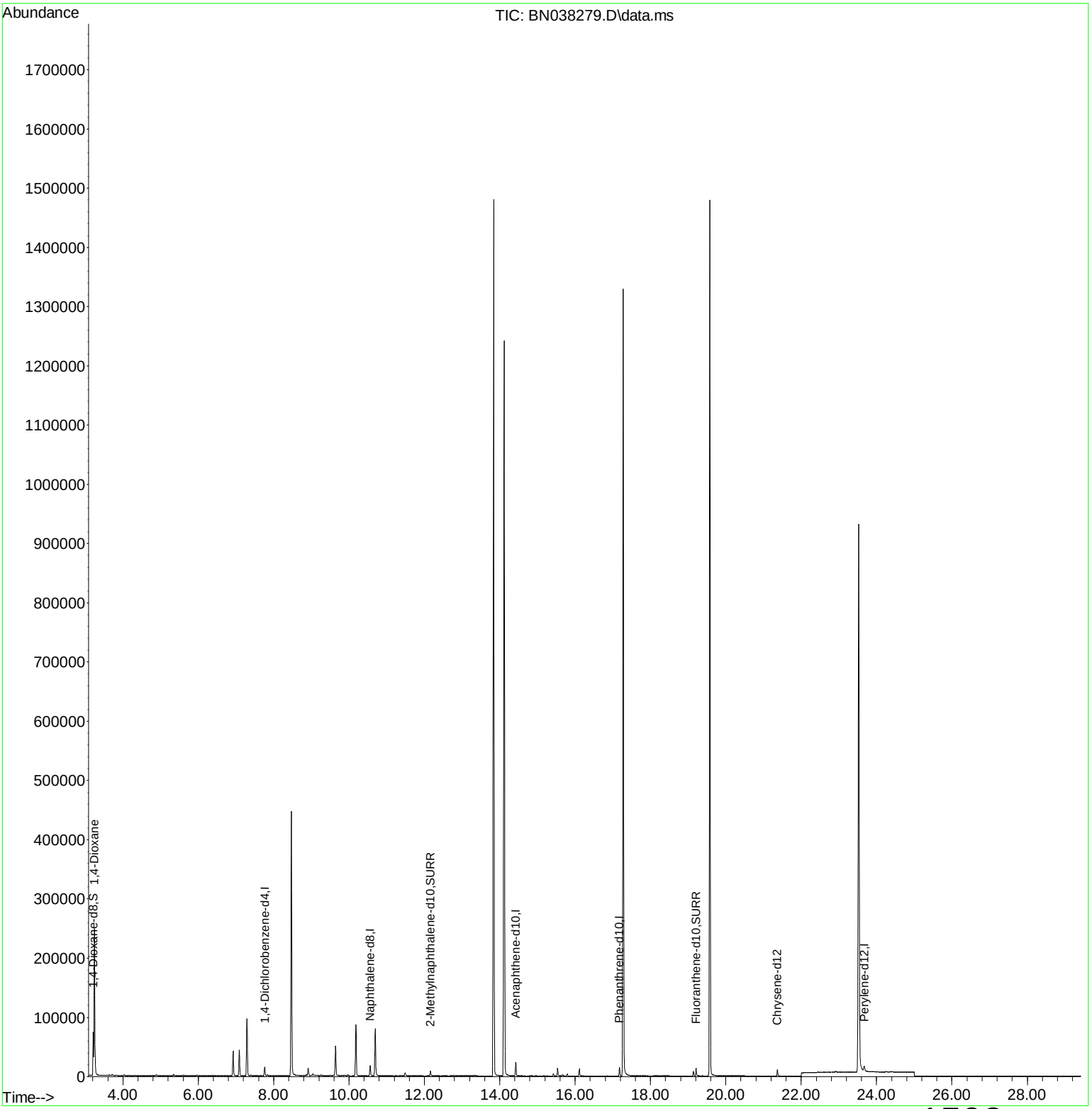
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038279.D
Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 05 22:20:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
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Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM



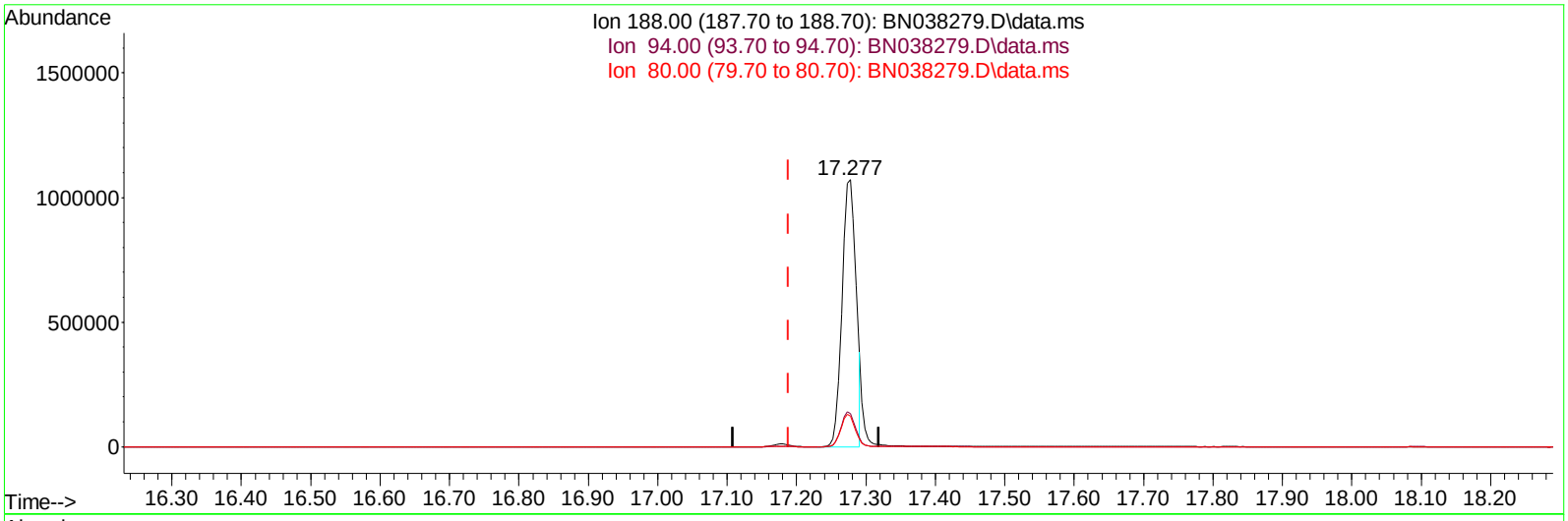
Quantitation Report (Qedit)

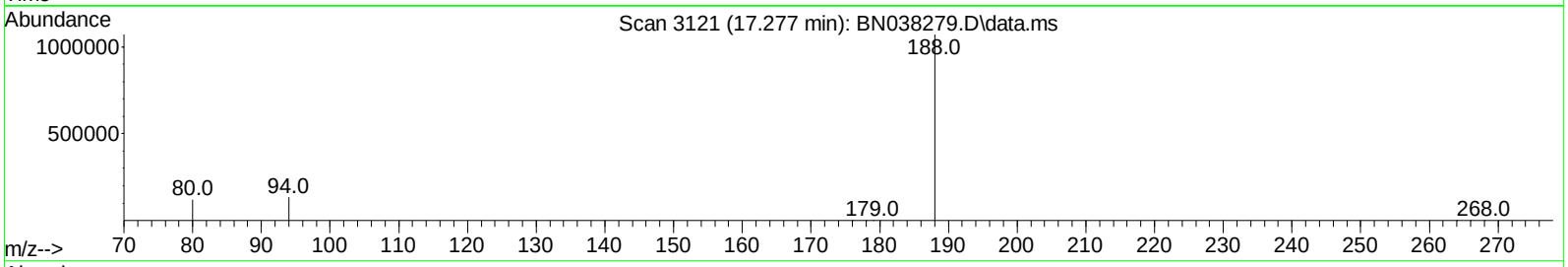
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Data File : BN038279.D
Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

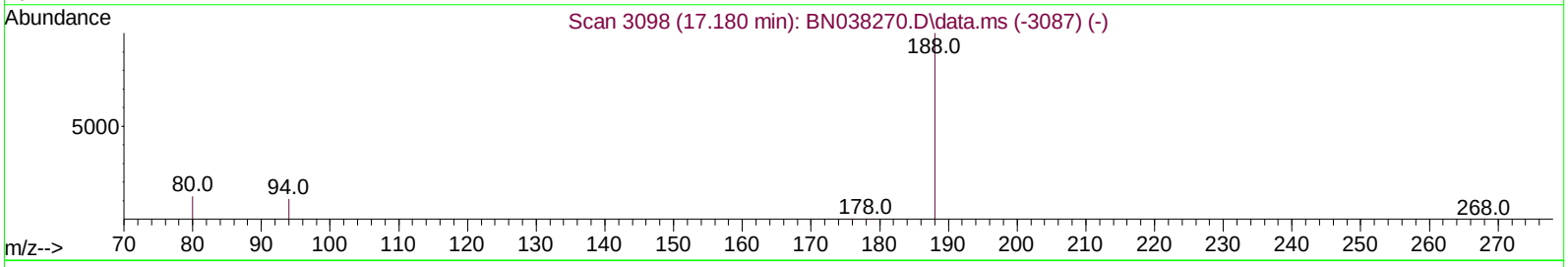
Quant Time: Dec 05 22:20:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
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TIC: BN038279.D\data.ms

(13) Phenanthrene-d10 (I)

17.277min (+ 0.089) 0.40 ng/ul

response 1479591

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.51
80.00	12.20	11.35
0.00	0.00	0.00

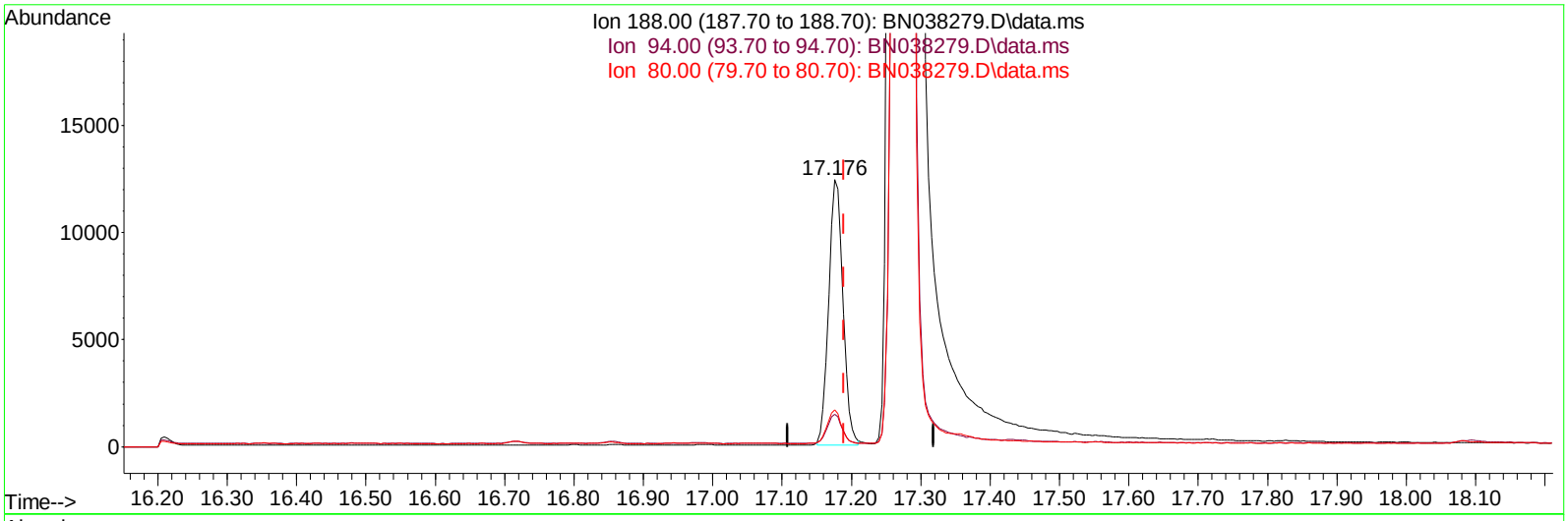
Quantitation Report (Qedit)

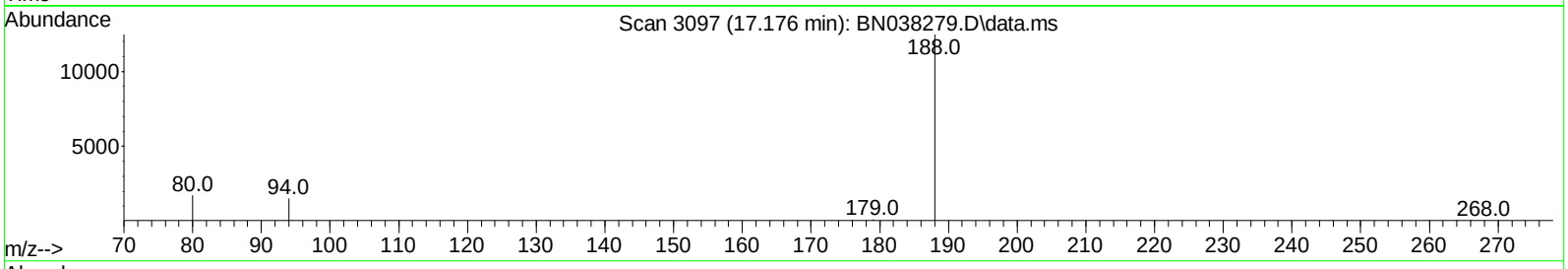
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038279.D
Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

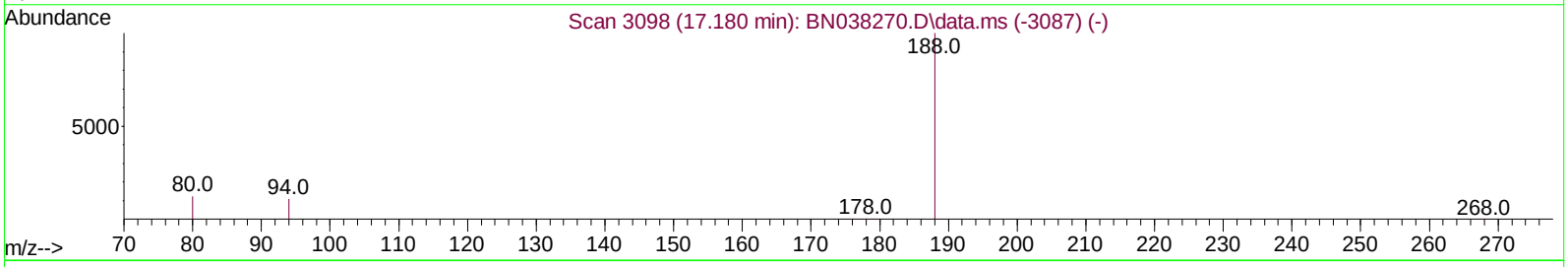
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038279.D\data.ms

(13) Phenanthrene-d10 (I)

17.176min (-0.013) 0.40 ng/ul m

response 17717

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.17
80.00	12.20	13.77
0.00	0.00	0.00

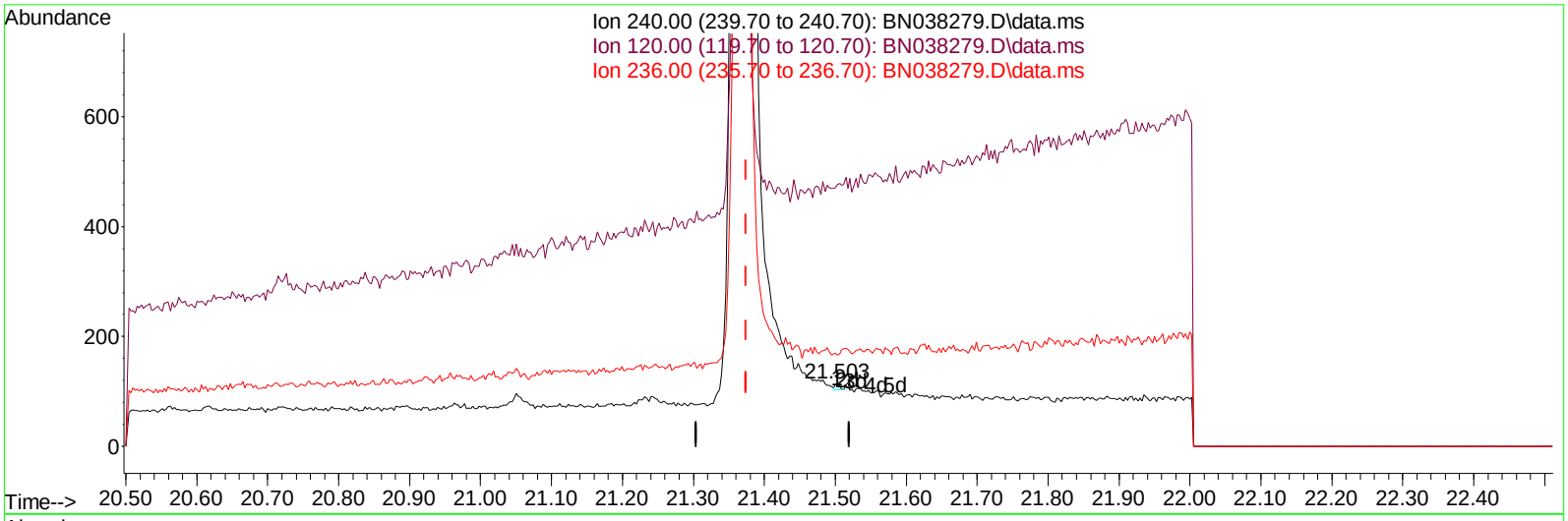
Quantitation Report (Qedit)

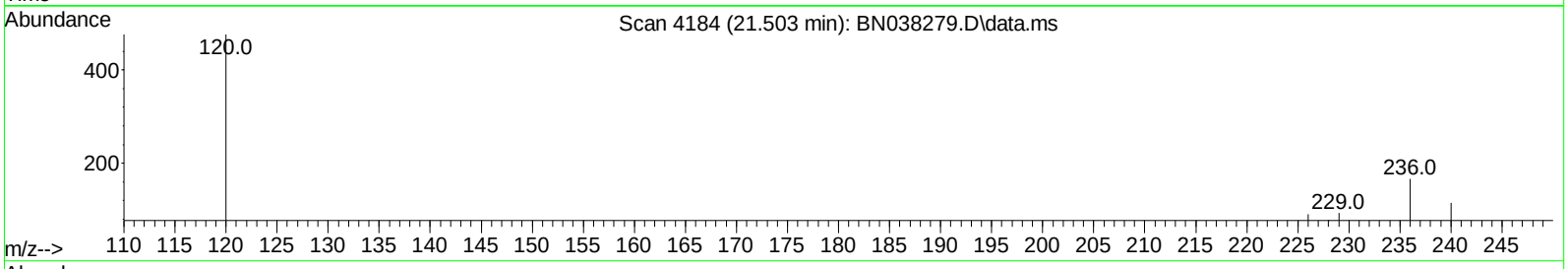
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Data File : BN038279.D
Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

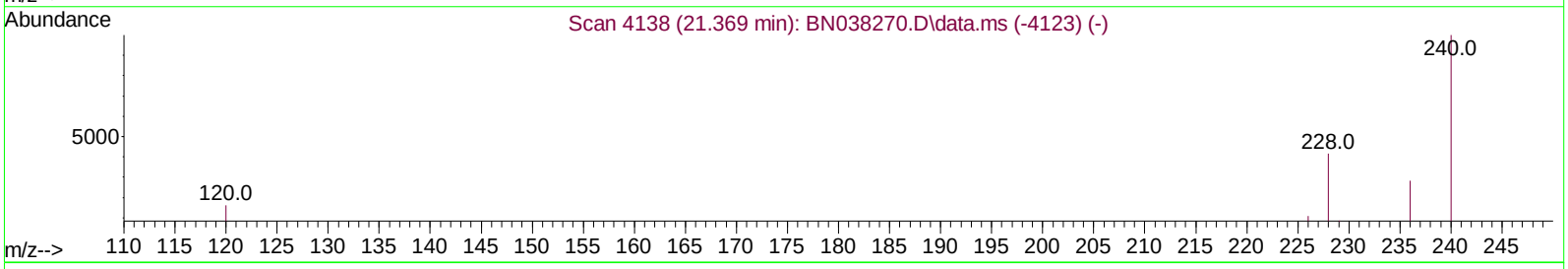
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QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038279.D\data.ms

(17) Chrysene-d12

21.503min (+ 0.128) 0.40 ng/ul

response 5

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	413.91#
236.00	29.60	144.35#
0.00	0.00	0.00

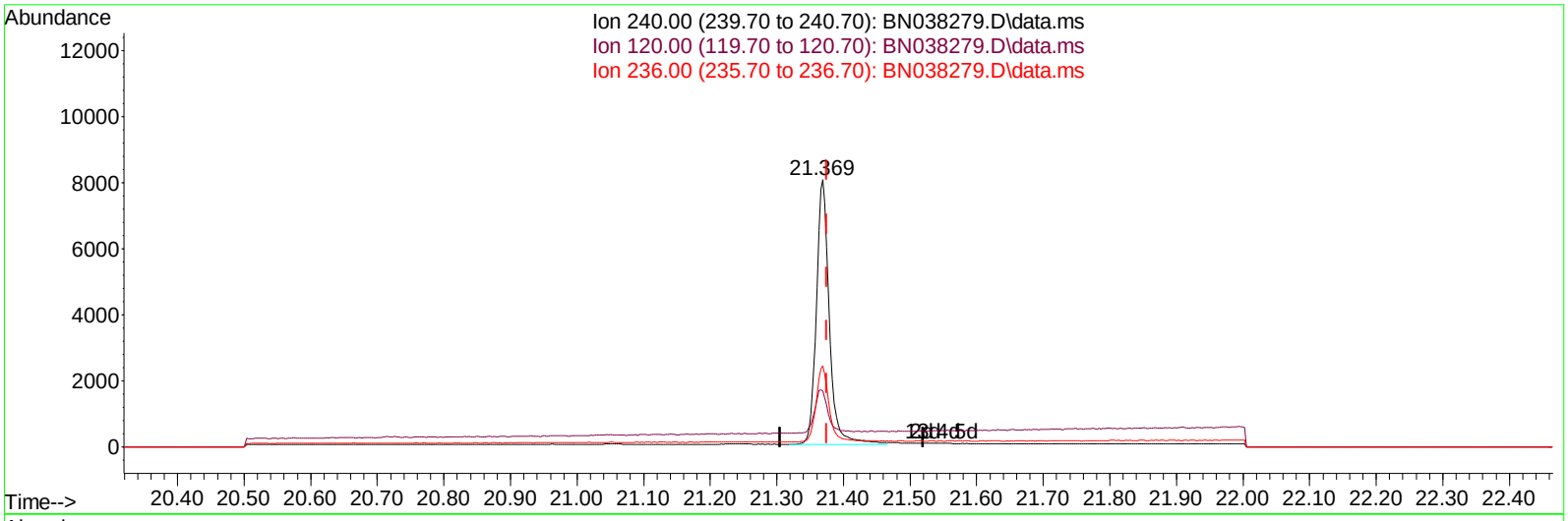
Quantitation Report (Qedit)

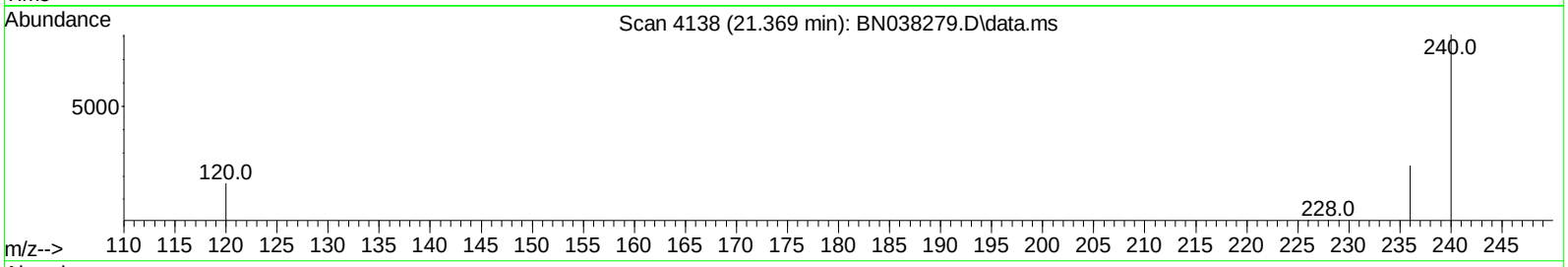
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Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

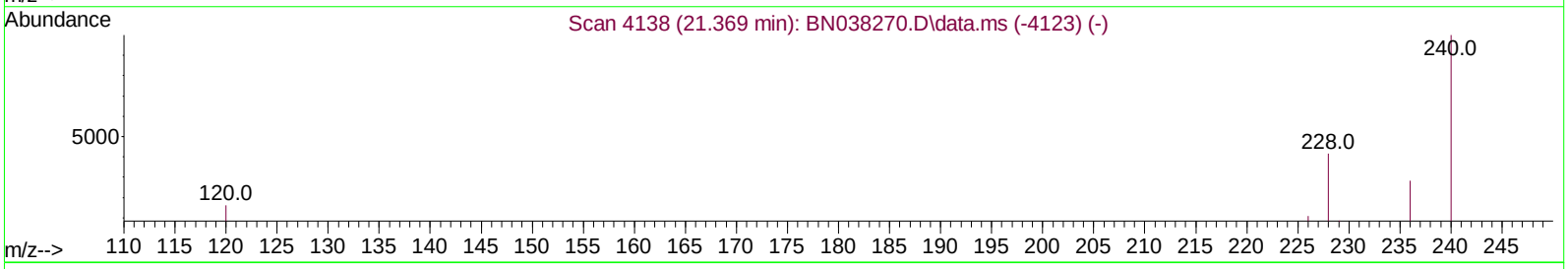
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038279.D\data.ms

(17) Chrysene-d12

21.369min (-0.006) 0.40 ng/ul m

response 10969

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	20.79
236.00	29.60	30.23
0.00	0.00	0.00

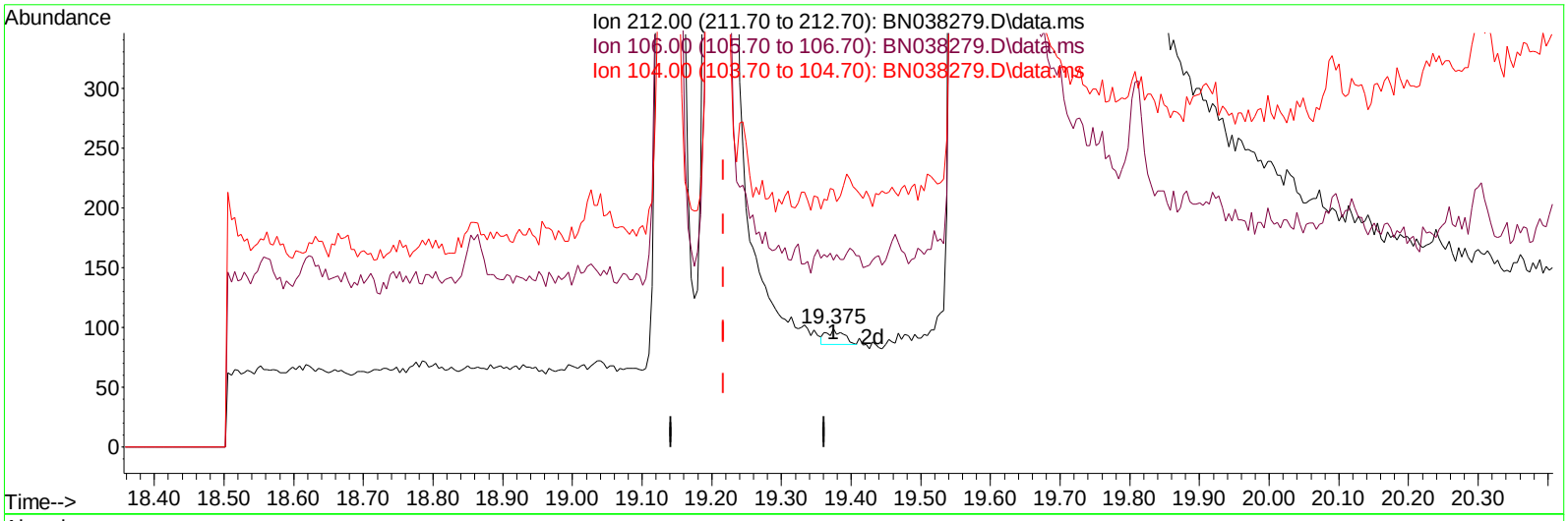
Quantitation Report (Qedit)

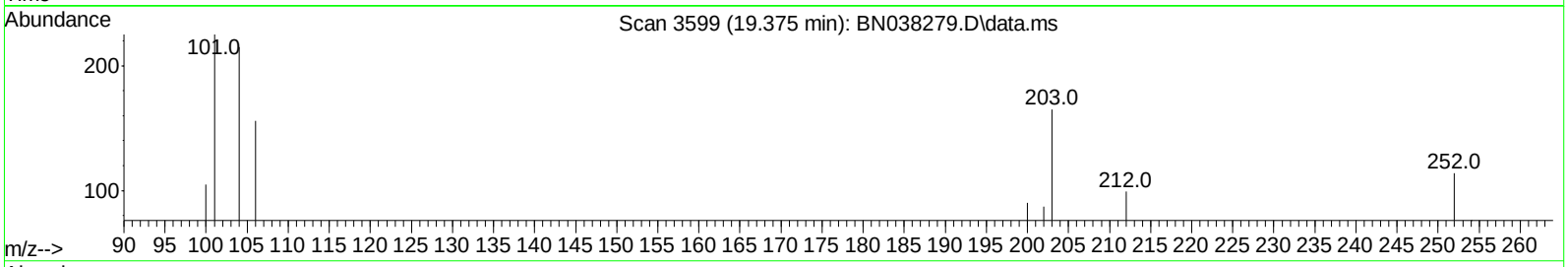
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Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

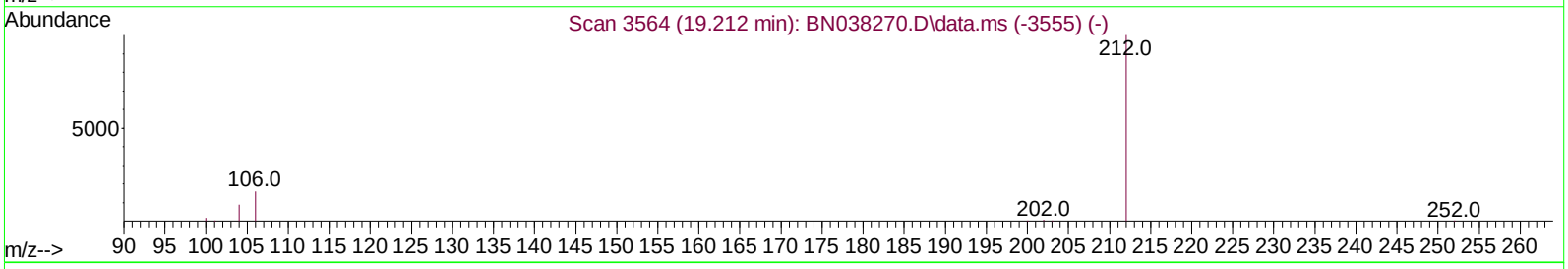
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Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
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TIC: BN038279.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.375min (+ 0.158) 0.00 ng/ul

response 21

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	76.19#
0.00	0.00	0.00

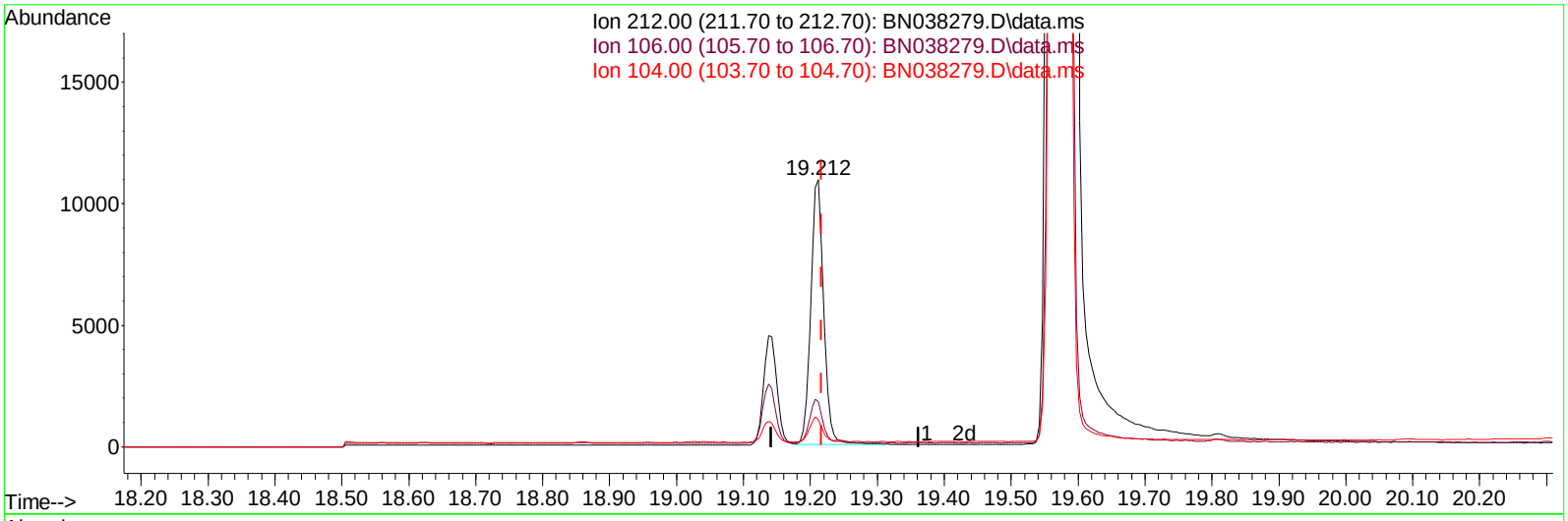
Quantitation Report (Qedit)

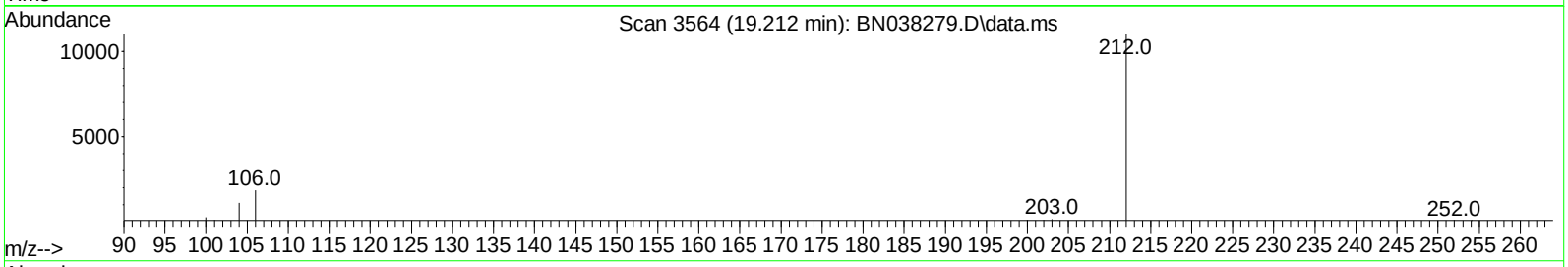
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Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

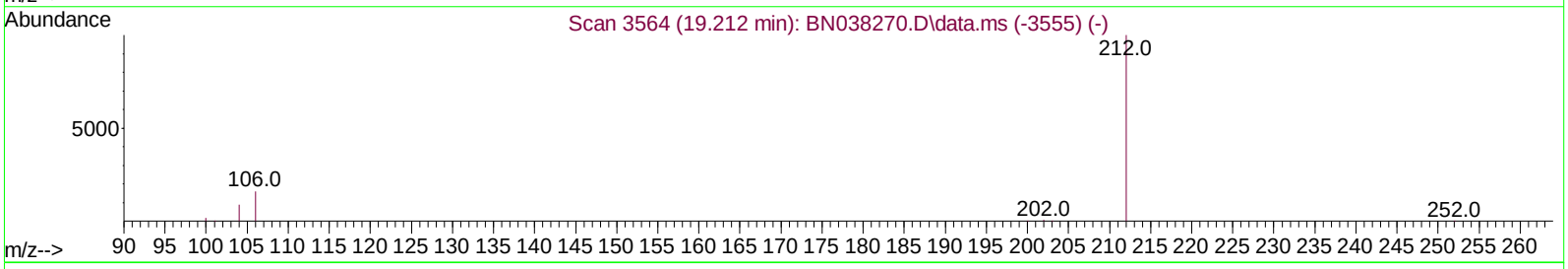
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Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038279.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.212min (-0.005) 0.35 ng/ul m

response 14856

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	0.11#
0.00	0.00	0.00

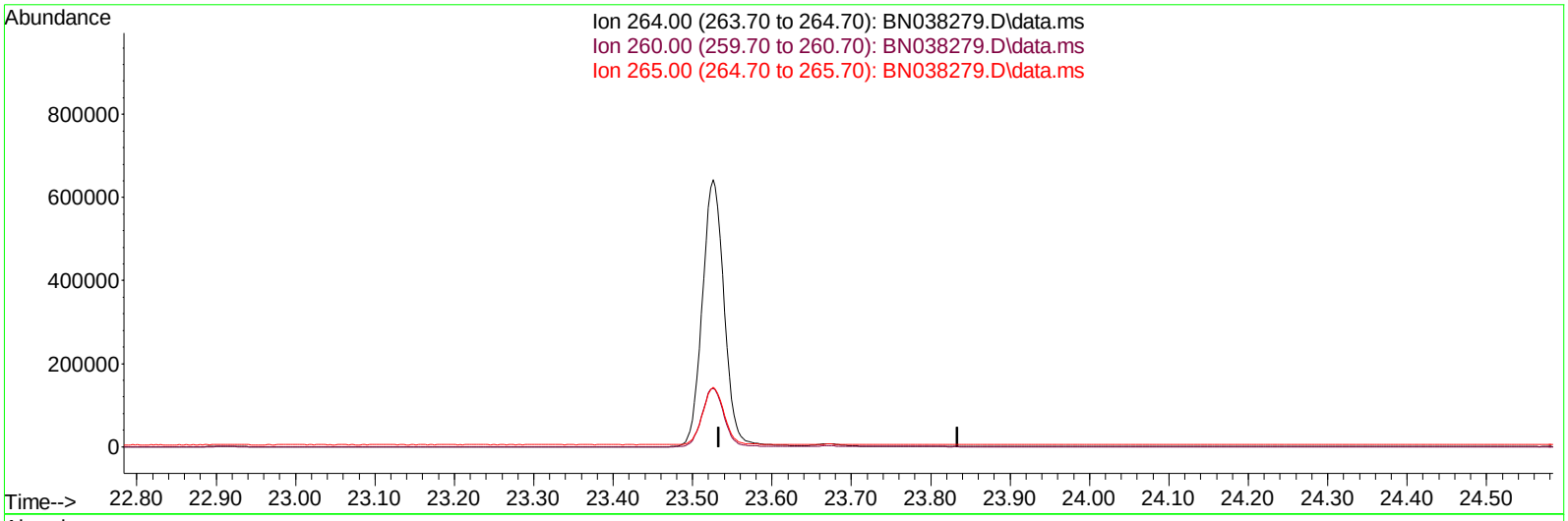
Quantitation Report (Qedit)

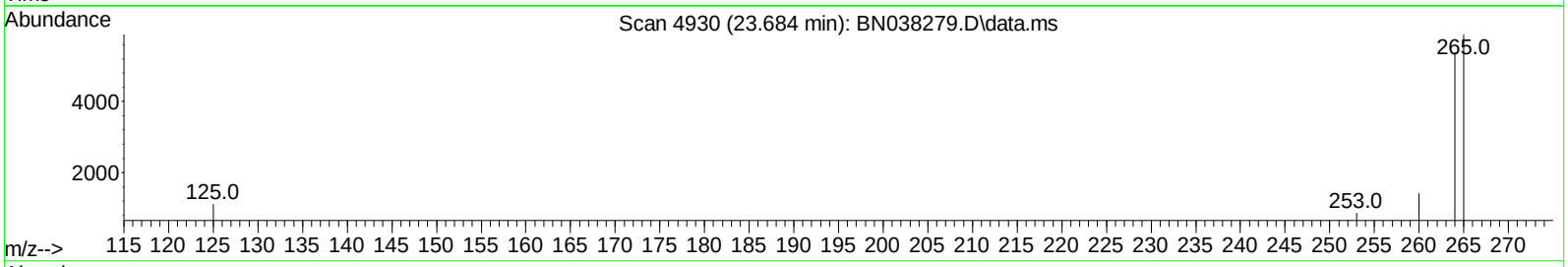
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Misc :
ALS Vial : 27 Sample Multiplier: 1

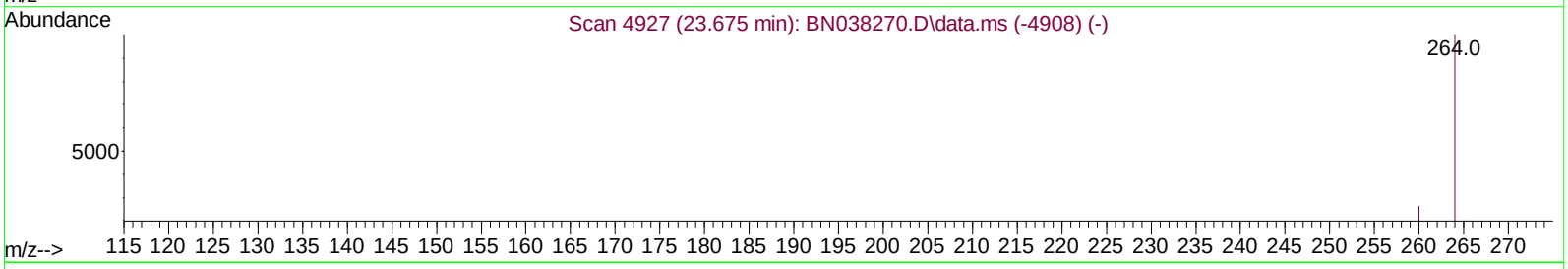
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
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TIC: BN038279.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

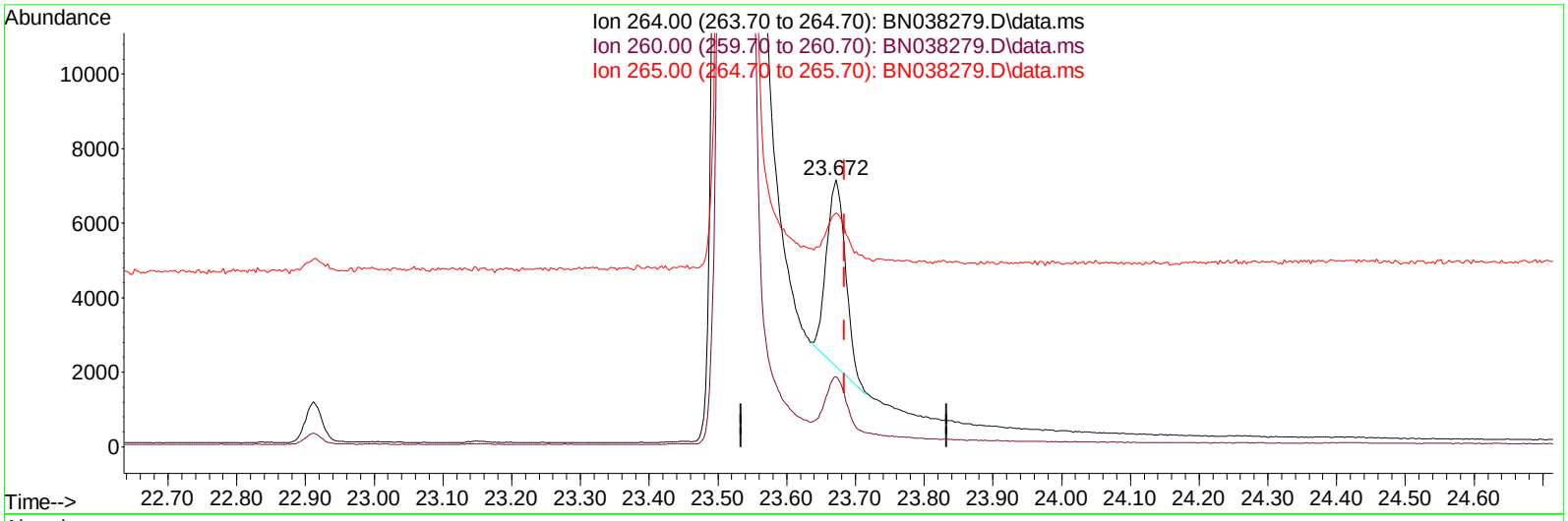
Quantitation Report (Qedit)

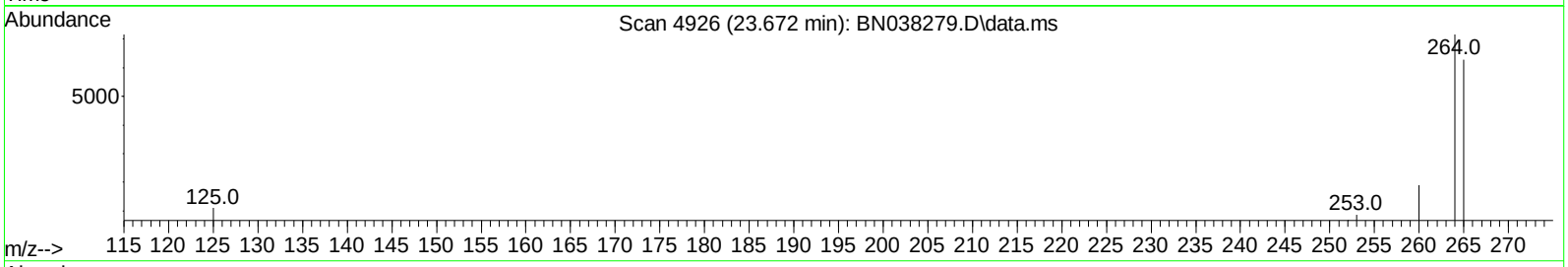
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Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

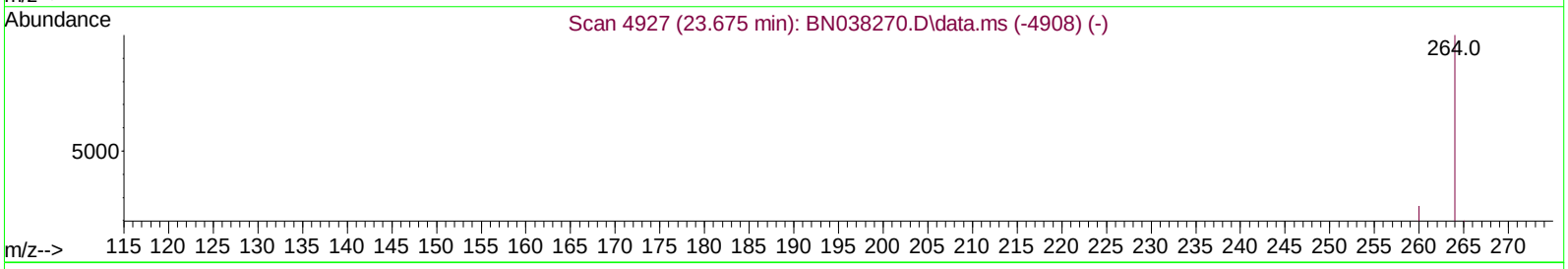
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
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Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038279.D\data.ms

(23) Perylene-d12 (I)

23.672min (-0.012) 0.40 ng/ul m

response 9522

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.41
265.00	124.40	87.58#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038279.D
Acq On : 05 Dec 2025 17:32
Operator : RC/JU
Sample : Q3688-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-28S

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 22:20:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7552	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	23818	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.424	164	12453	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.176	188	17717m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.369	240	10969m	0.400	ng/ul	0.00
23) Perylene-d12	23.672	264	9522m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	41677	5.260	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	11505	0.339	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	14856m	0.348	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	153154	17.943	ng/ul#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-28SDL

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-23DL
Sample wt/vol : 960 (g/mL) mL
Lab File ID : BN038280.D
% Solids :
Date Received : 11/24/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 10.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

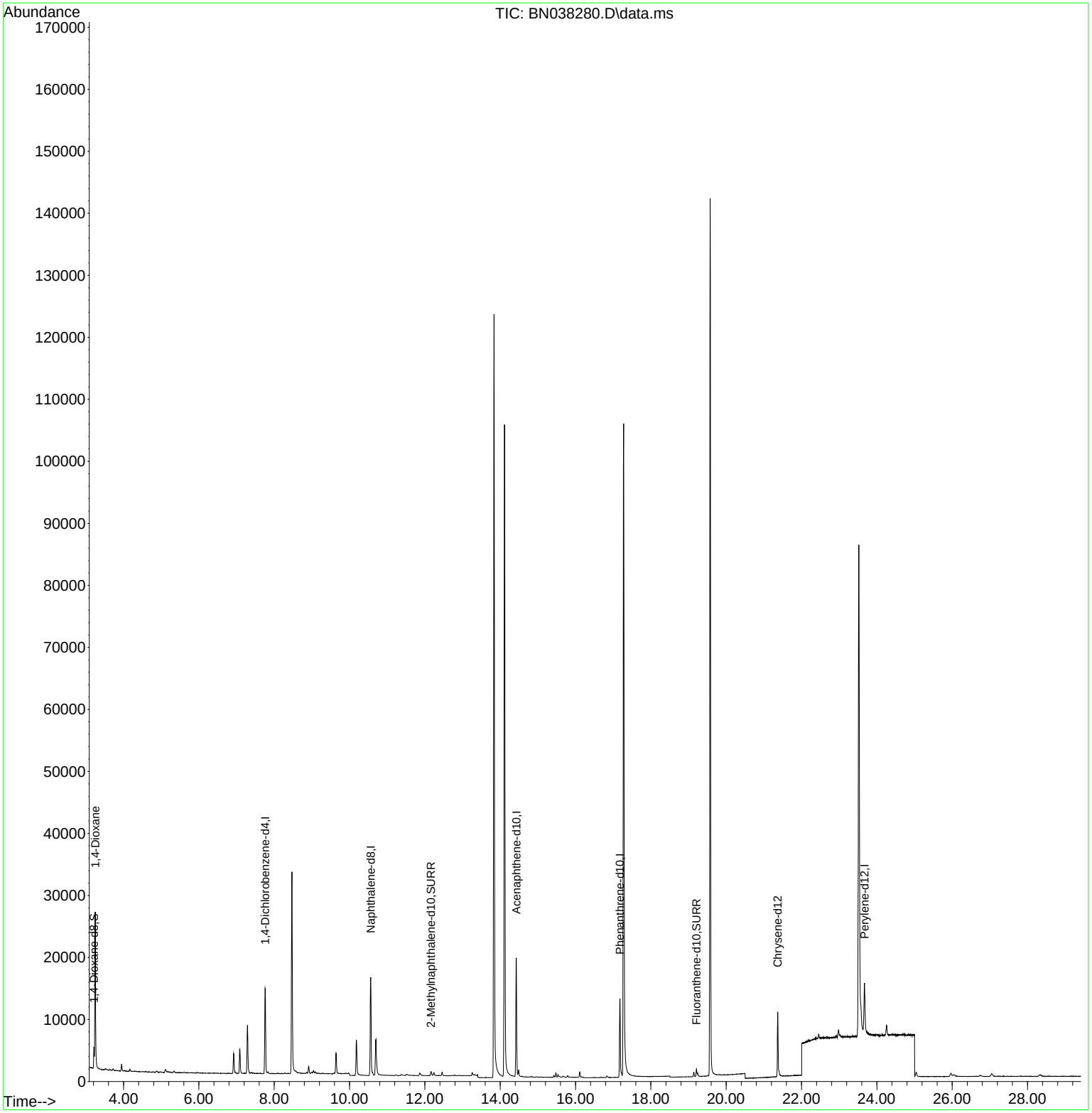
CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	21	D

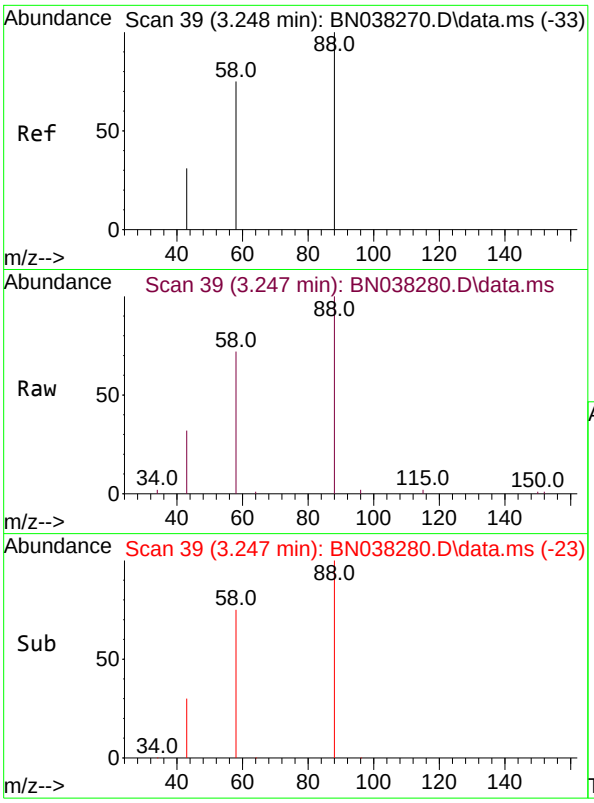
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038280.D
Acq On : 05 Dec 2025 18:08
Operator : RC/JU
Sample : Q3688-23DL 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-28SDL

Quant Time: Dec 05 22:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

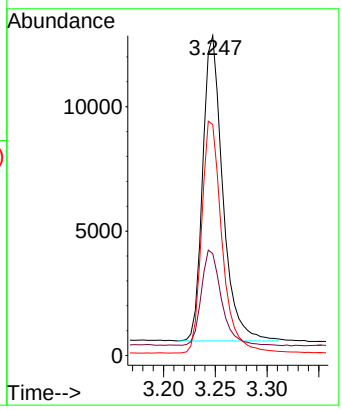




#2
1,4-Dioxane
Concen: 2.024 ng/ul
RT: 3.247 min Scan# 39
Delta R.T. -0.004 min
Lab File: BN038280.D
Acq: 05 Dec 2025 18:08

Tgt Ion: 88 Resp: 16553

Ion	Ratio	Lower	Upper
88	100		
43	31.9	27.5	41.3
58	72.2	50.5	75.7



Instrument :
BNA_N
ClientSampleId :
M-28SDL

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038280.D
Acq On : 05 Dec 2025 18:08
Operator : RC/JU
Sample : Q3688-23DL 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : M-28SDL

Quant Time: Dec 05 22:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7234	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	21968	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	10876	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	15599	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	10726	0.400	ng/ul	0.00
23) Perylene-d12	23.671	264	12870	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	1974	0.260	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	1097	0.035	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	1389	0.033	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	16553	2.024	ng/ul	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-29

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-17
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038265.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

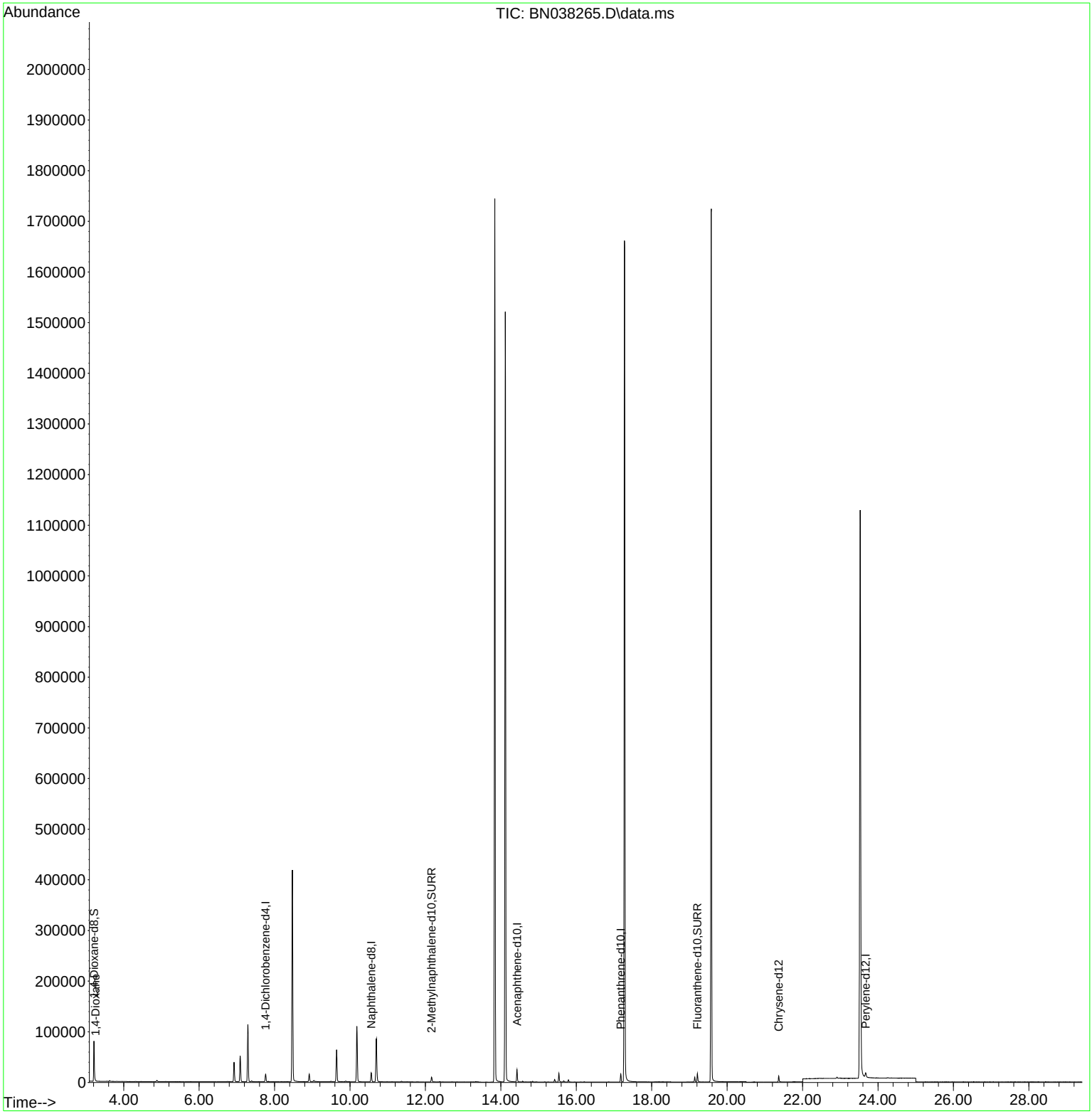
Quantitation Report (QT Reviewed)

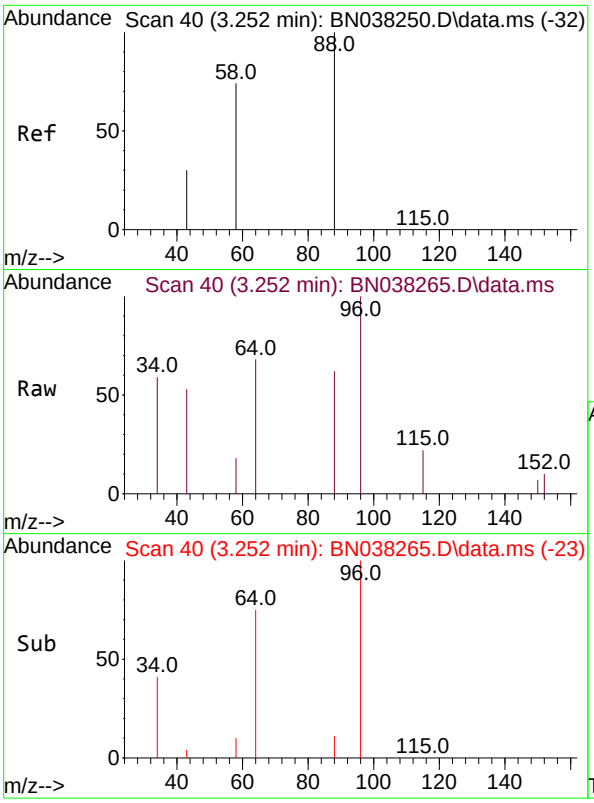
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 03 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM

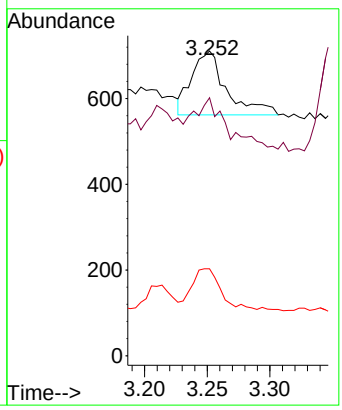




#2
1,4-Dioxane
Concen: 0.034 ng/ul
RT: 3.252 min Scan# 40
Delta R.T. 0.000 min
Lab File: BN038265.D
Acq: 02 Dec 2025 21:17

Tgt Ion: 88 Resp: 290

Ion	Ratio	Lower	Upper
88	100		
43	84.7	27.5	41.3#
58	28.6	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM

Quant Time: Dec 03 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7498	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	24549	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	12936	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	18613m	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	11286m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	10119m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	48488	6.163	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	12958	0.370	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	17813m	0.406	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	290	0.034	ng/ul#	40

(#) = qualifier out of range (m) = manual integration (+) = signals summed

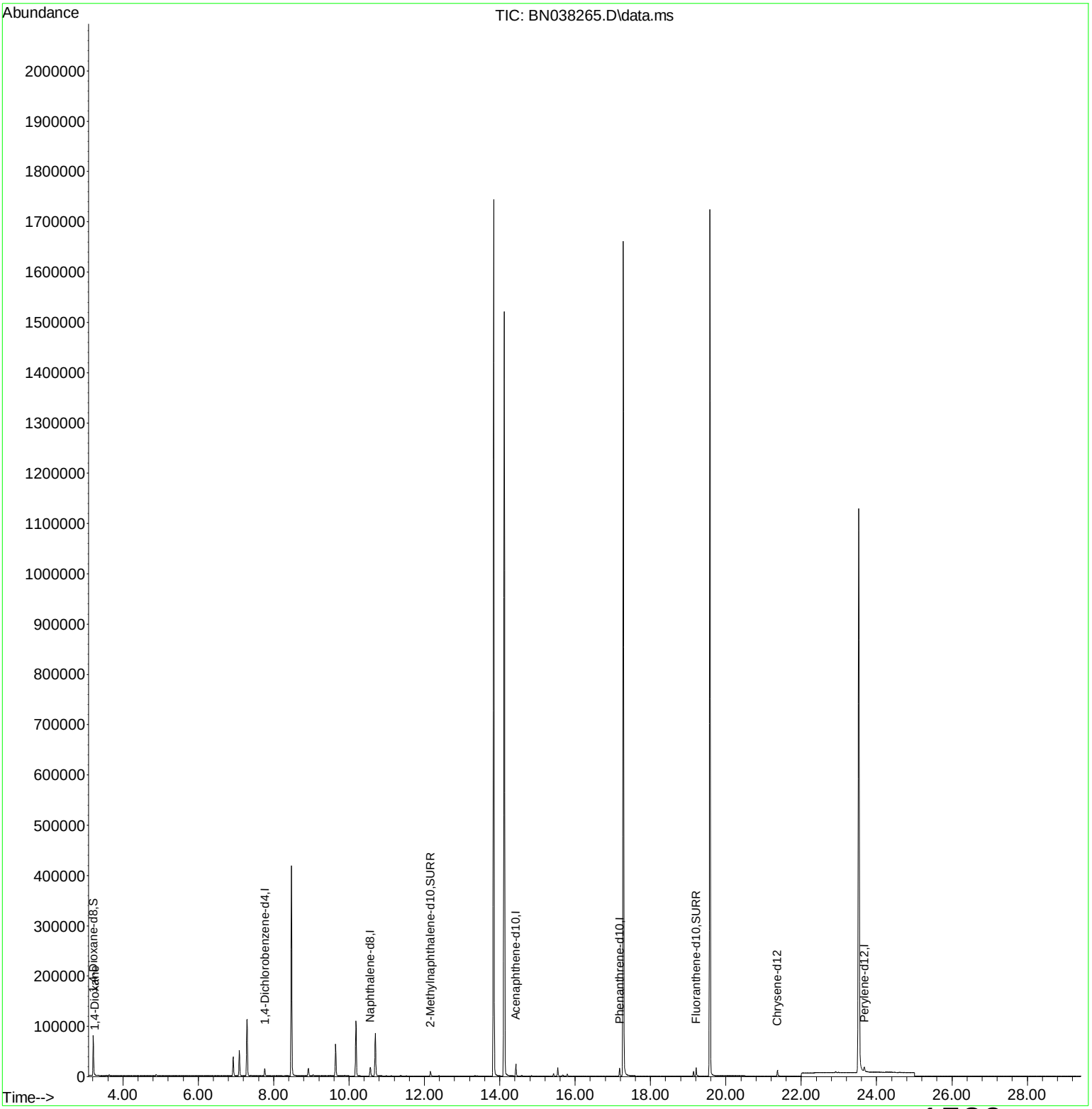
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 03 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM



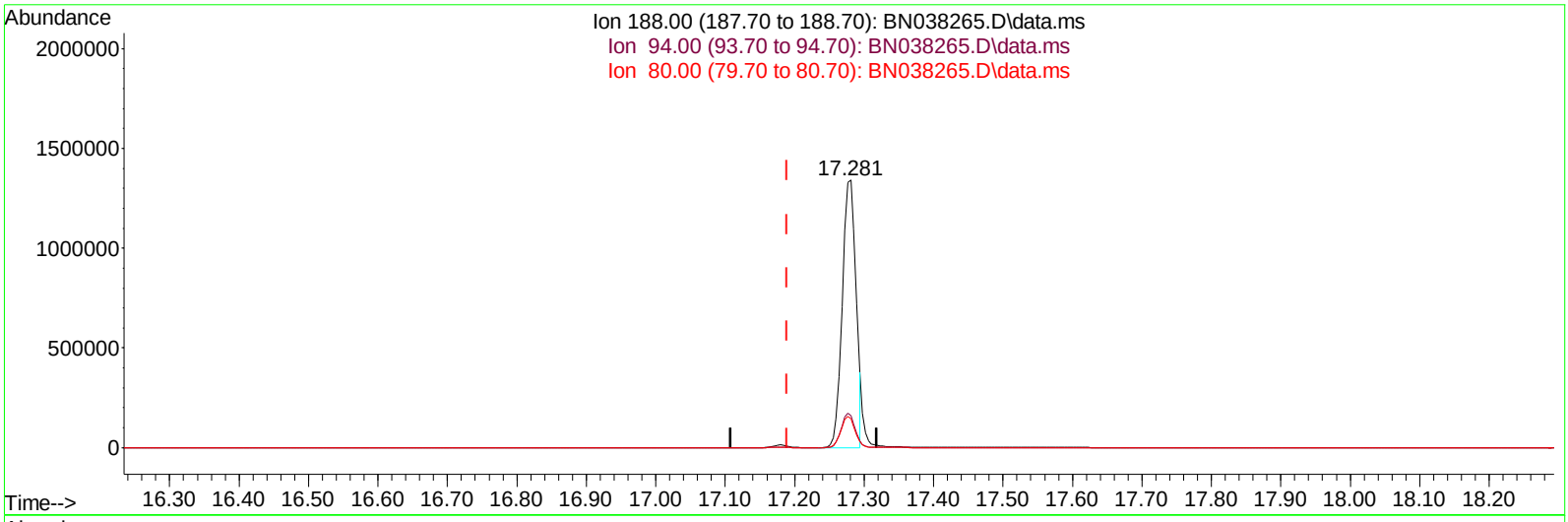
Quantitation Report (Qedit)

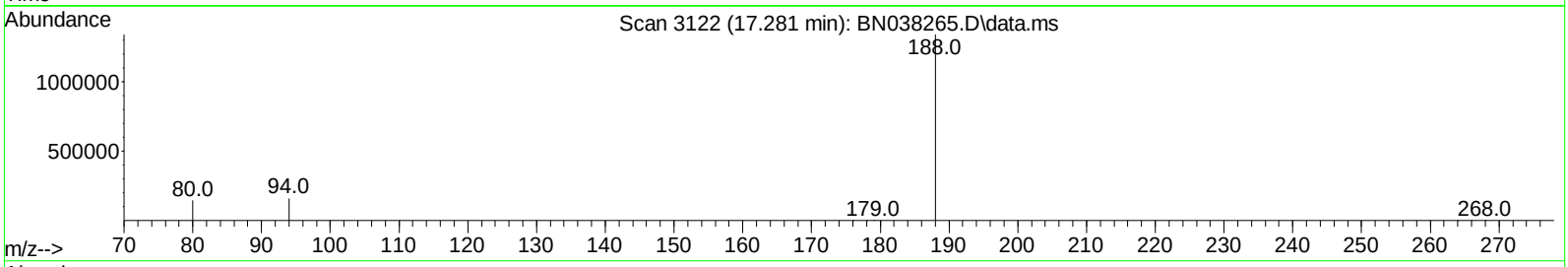
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Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

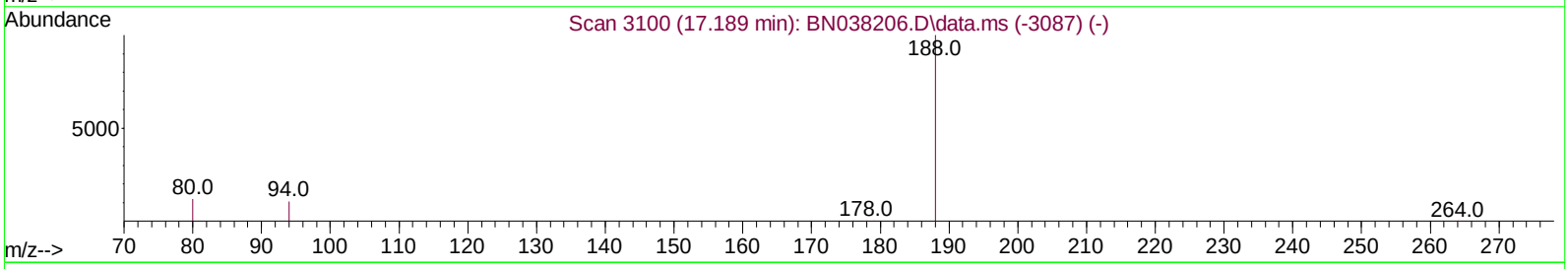
Quant Time: Dec 03 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM







TIC: BN038265.D\data.ms

(13) Phenanthrene-d10 (I)

17.281min (+ 0.092) 0.40 ng/ul

response 1829538

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.97
80.00	12.20	10.79
0.00	0.00	0.00

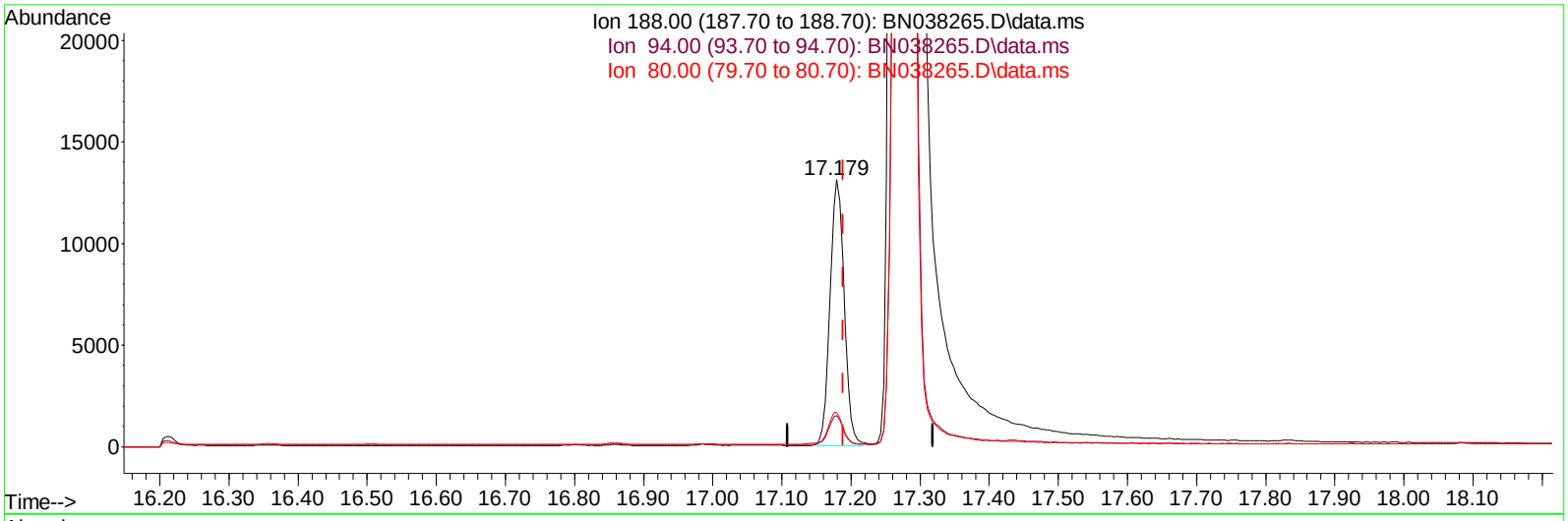
Quantitation Report (Qedit)

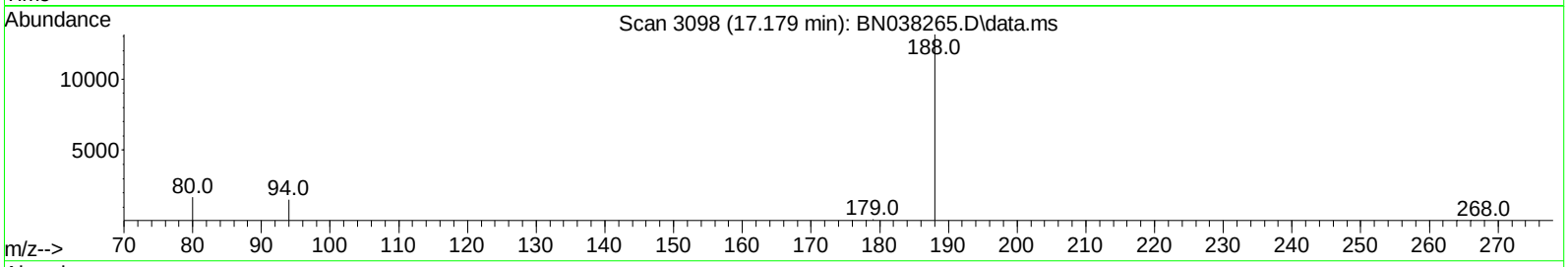
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Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

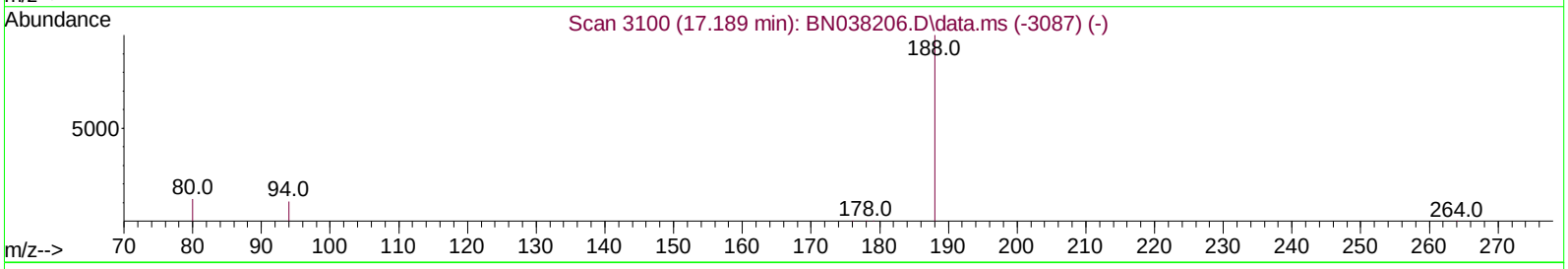
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM







TIC: BN038265.D\data.ms

(13) Phenanthrene-d10 (I)

17.179min (-0.009) 0.40 ng/ul m

response 18613

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.62
80.00	12.20	12.79
0.00	0.00	0.00

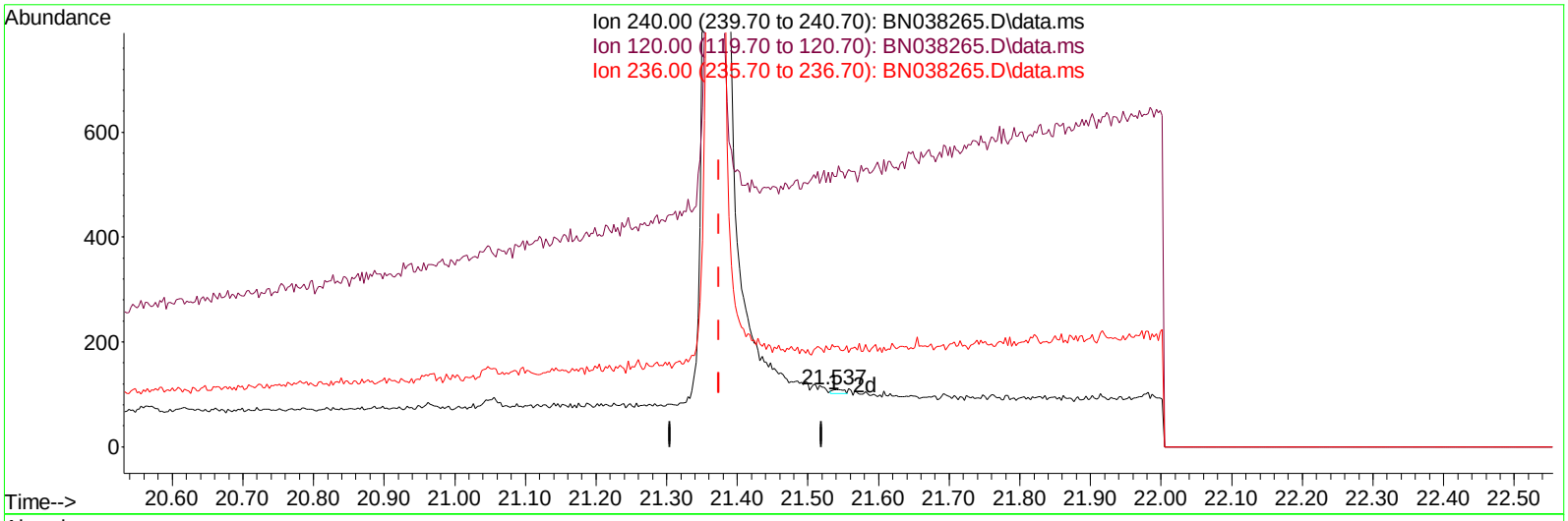
Quantitation Report (Qedit)

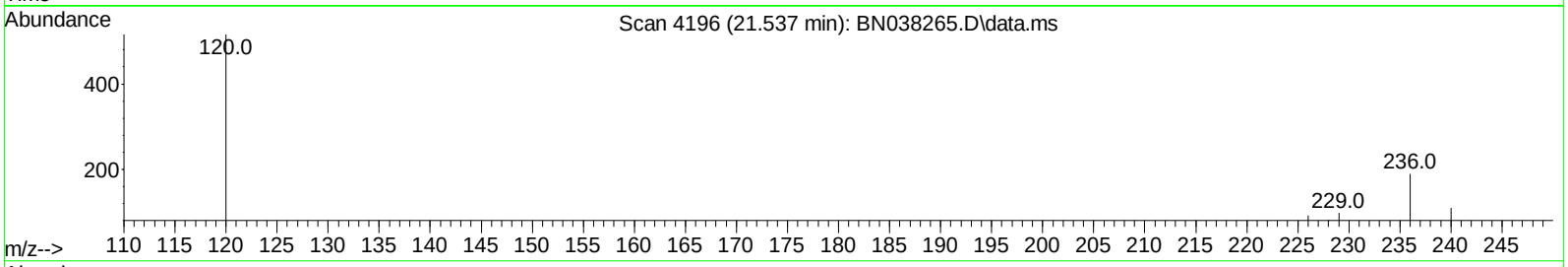
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Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

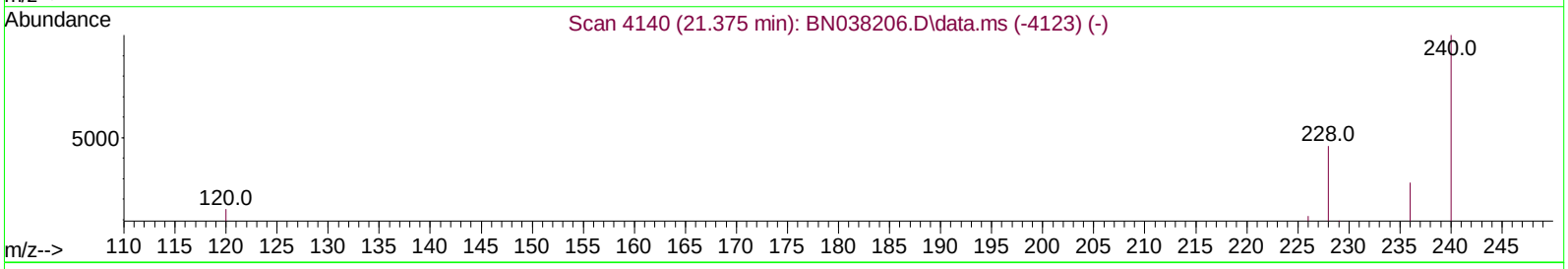
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM







TIC: BN038265.D\data.ms

(17) Chrysene-d12

21.537min (+ 0.163) 0.40 ng/ul

response 9

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	473.39#
236.00	29.60	174.31#
0.00	0.00	0.00

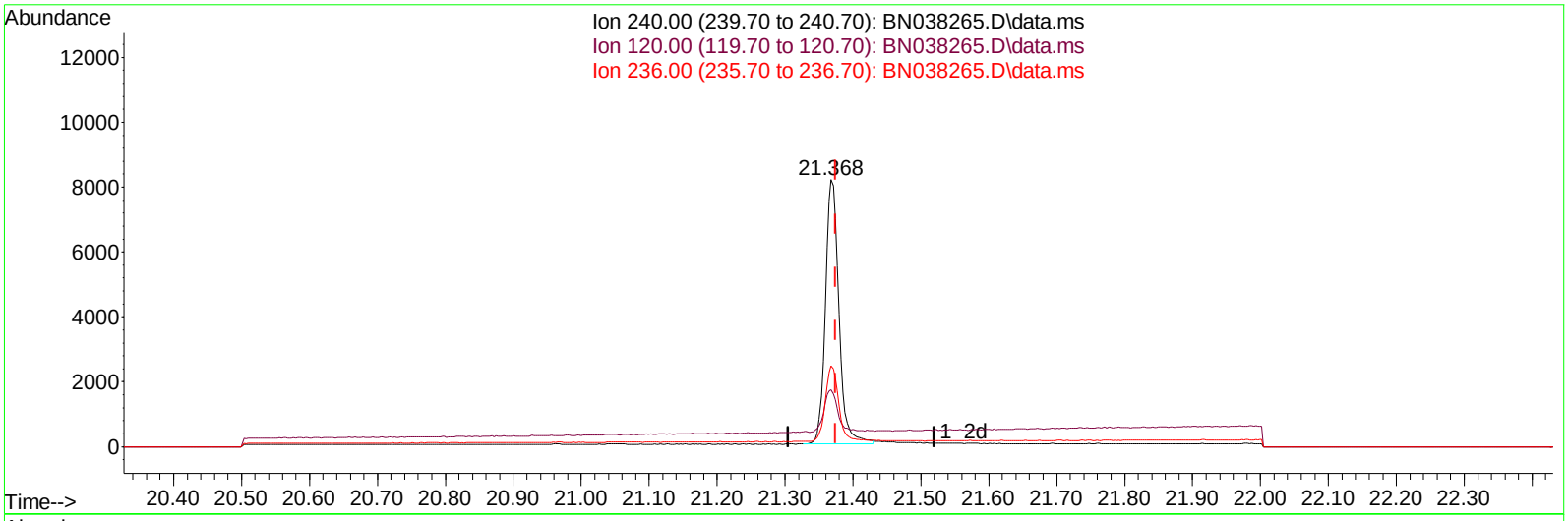
Quantitation Report (Qedit)

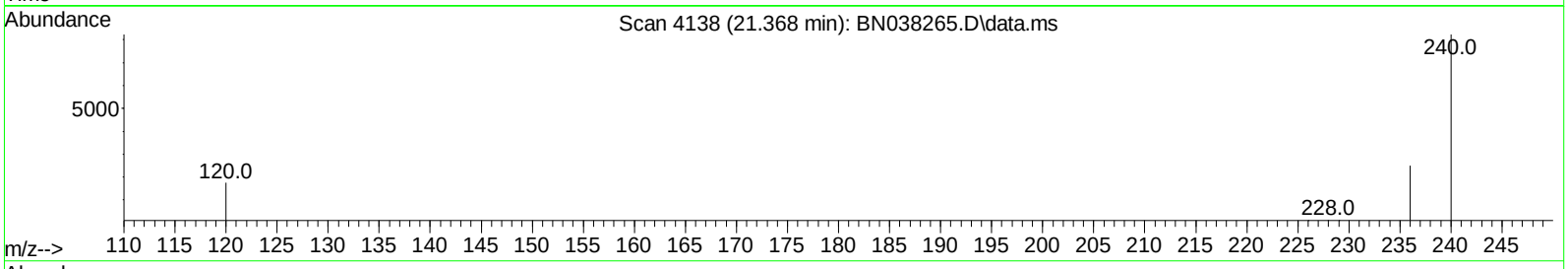
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Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

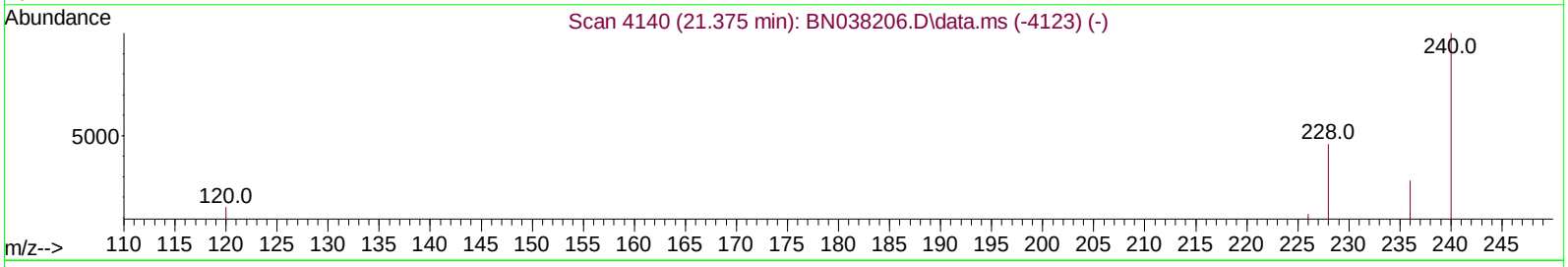
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM







TIC: BN038265.D\data.ms

(17) Chrysene-d12

21.368min (-0.007) 0.40 ng/ul m

response 11286

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.31
236.00	29.60	30.20
0.00	0.00	0.00

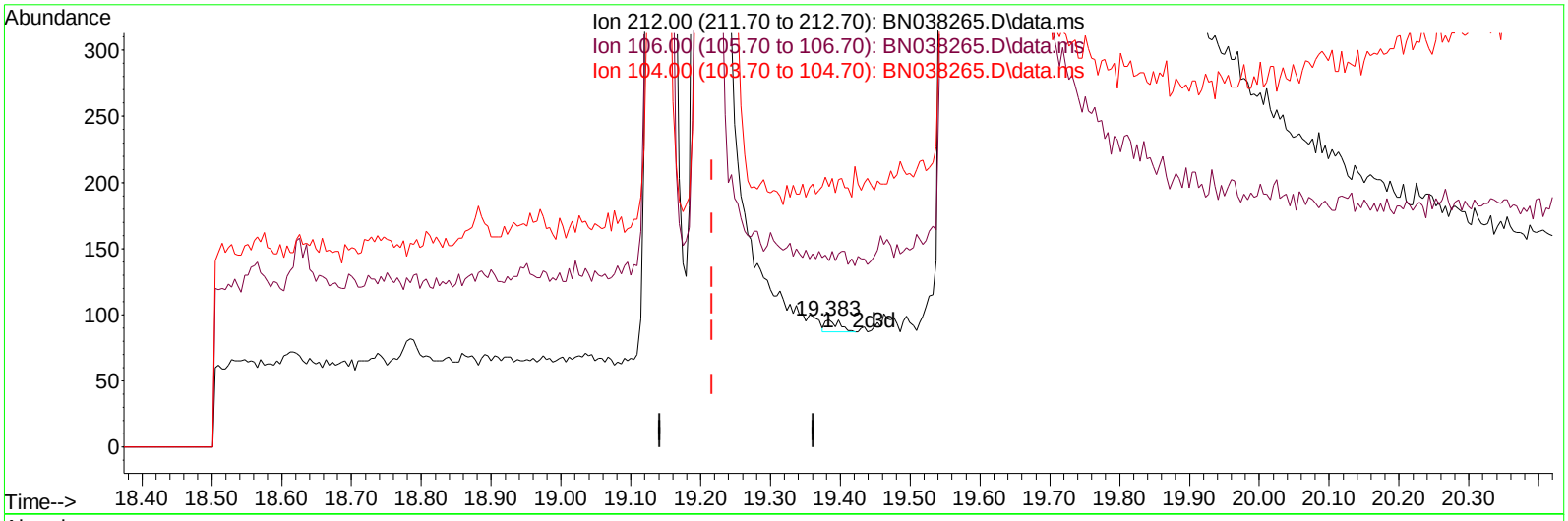
Quantitation Report (Qedit)

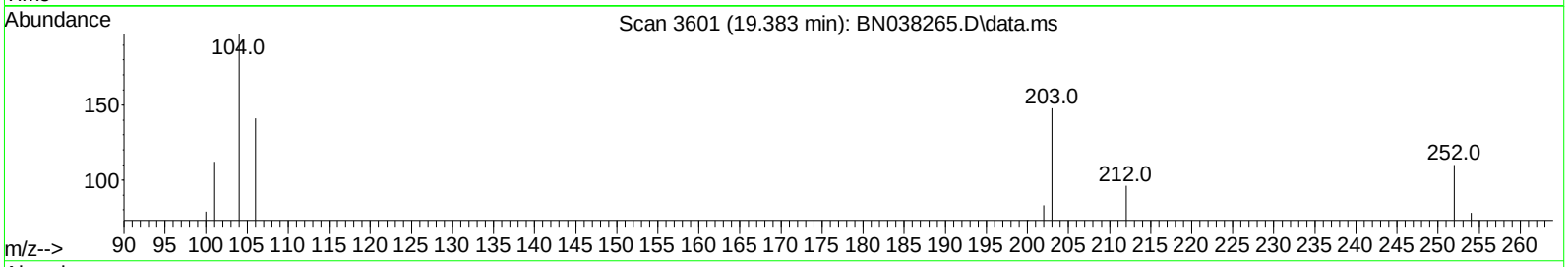
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

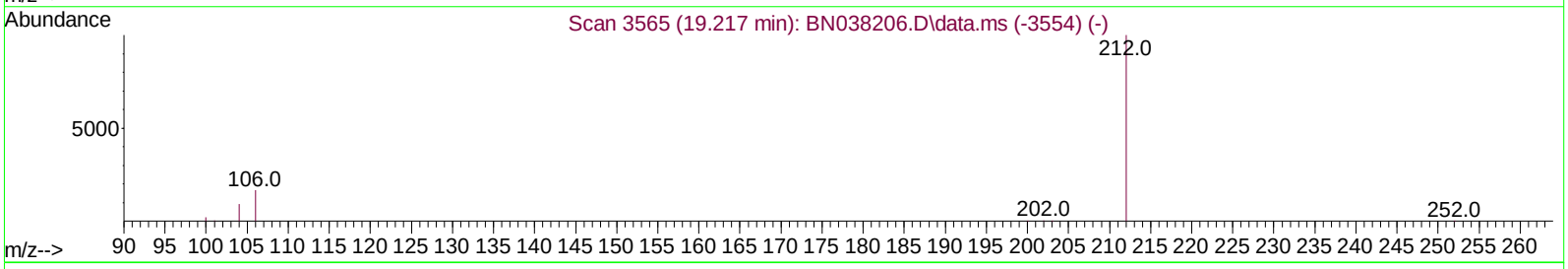
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM







TIC: BN038265.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.383min (+ 0.166) 0.00 ng/ul

response 13

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	15.38
104.00	9.20	92.31#
0.00	0.00	0.00

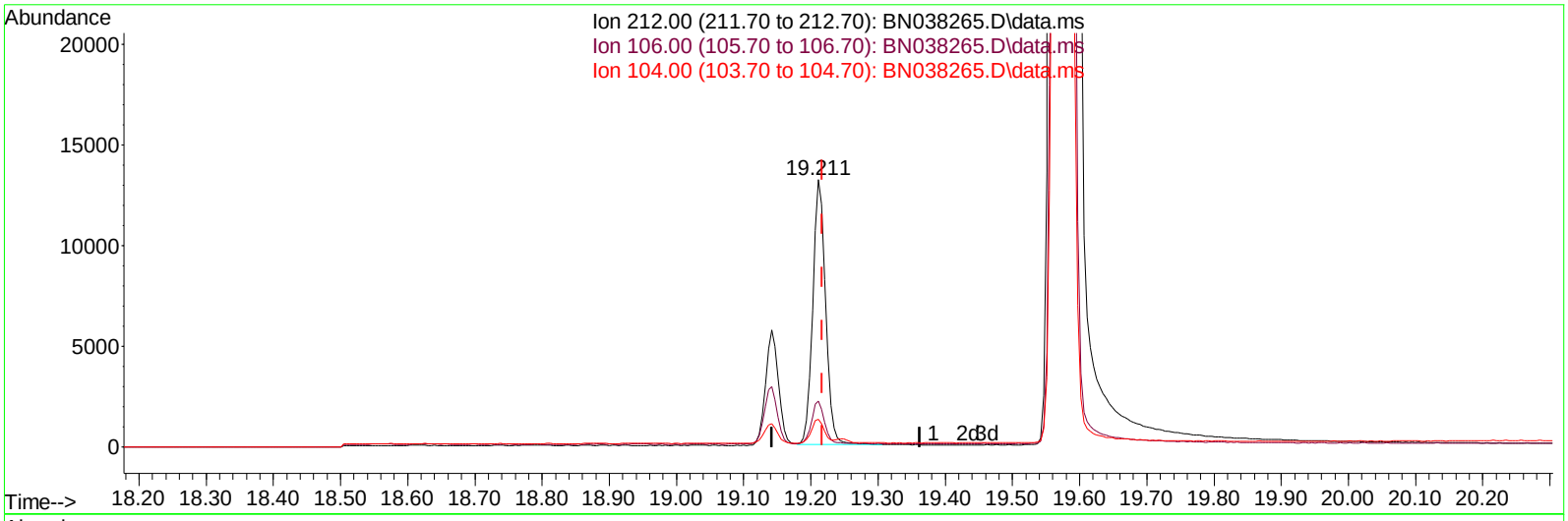
Quantitation Report (Qedit)

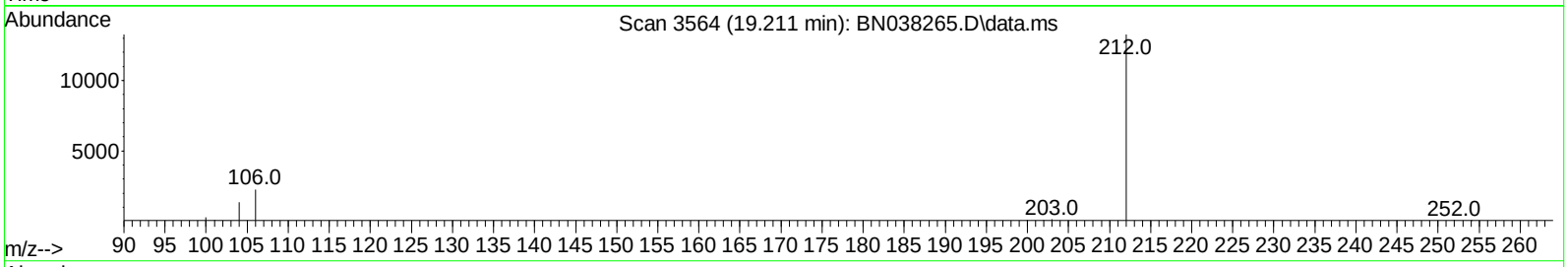
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Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

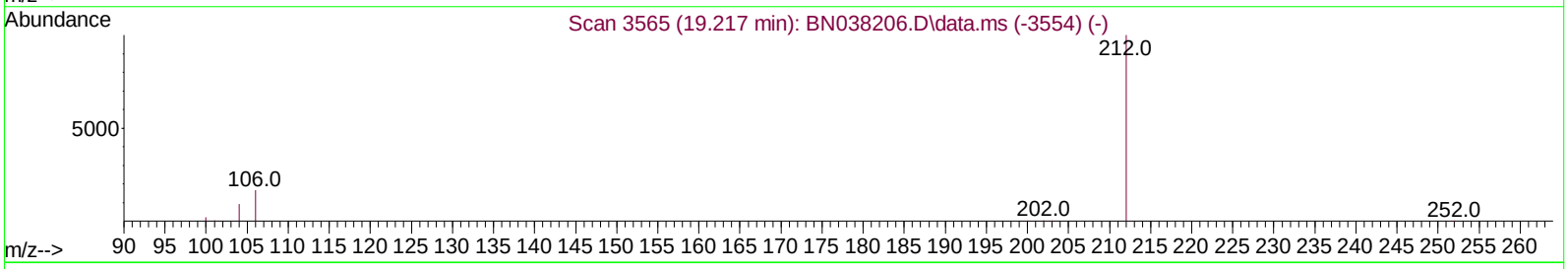
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM







TIC: BN038265.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.211min (-0.006) 0.41 ng/ul m

response 17813

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.01#
104.00	9.20	0.07#
0.00	0.00	0.00

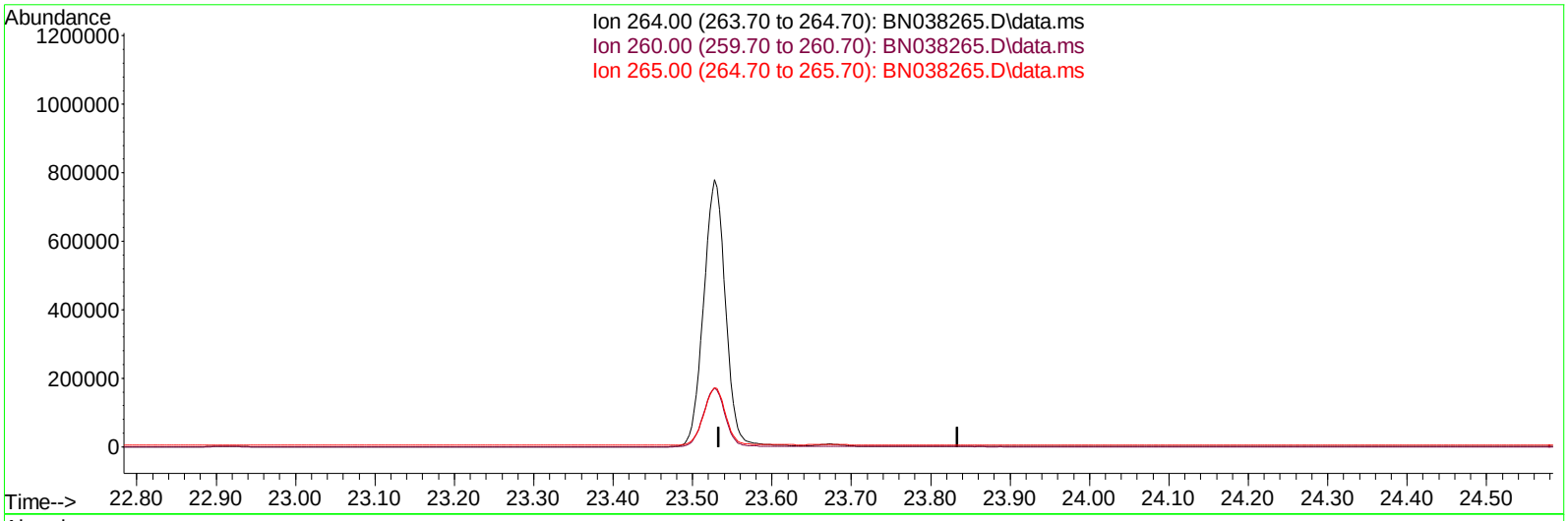
Quantitation Report (Qedit)

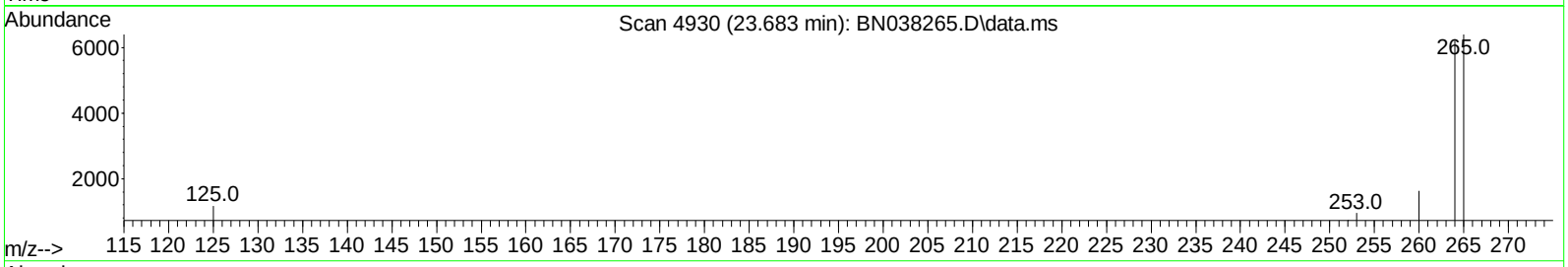
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Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

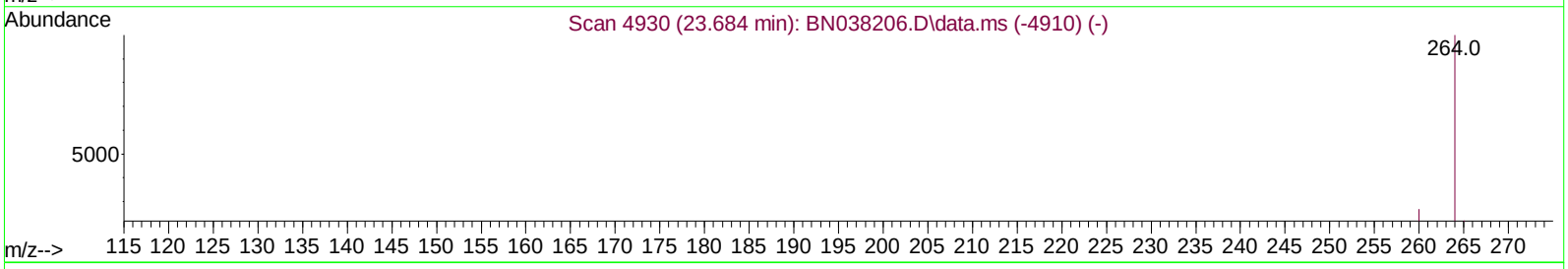
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM







TIC: BN038265.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

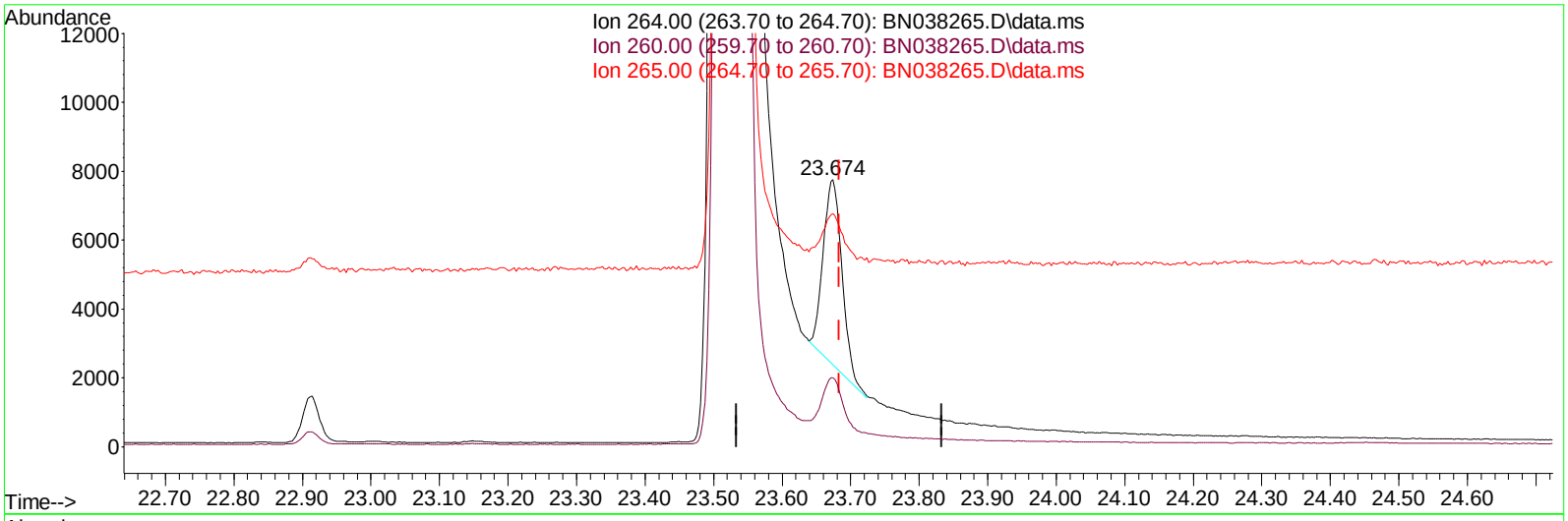
Quantitation Report (Qedit)

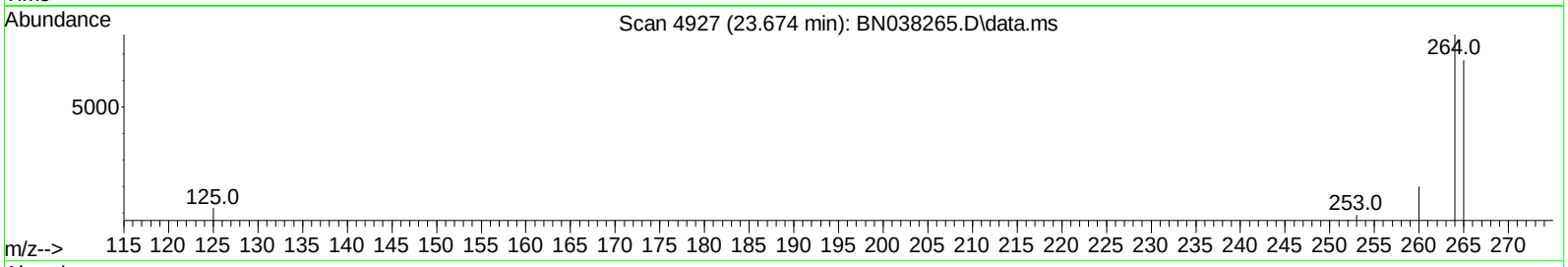
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Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

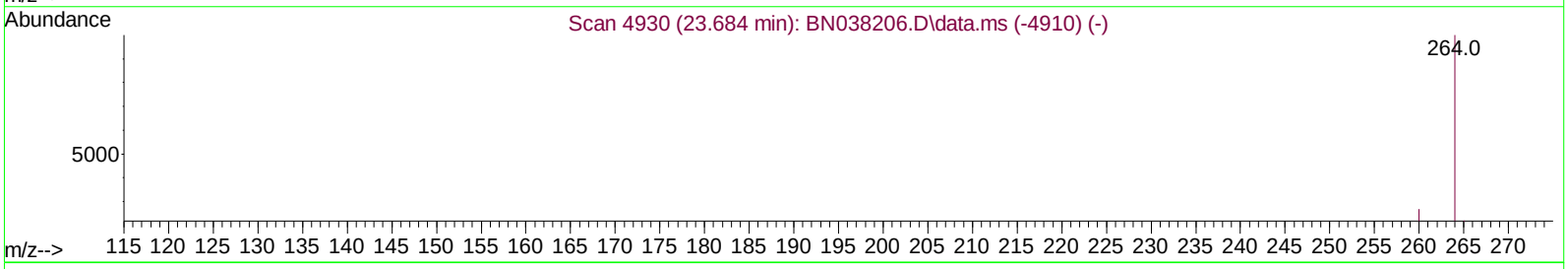
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM







TIC: BN038265.D\data.ms

(23) Perylene-d12 (I)

23.674min (-0.010) 0.40 ng/ul m

response 10119

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	25.80
265.00	124.40	87.35#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038265.D
Acq On : 02 Dec 2025 21:17
Operator : RC/JU
Sample : Q3688-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-29

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:52 PM

Quant Time: Dec 03 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7498	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	24549	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	12936	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	18613m	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	11286m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	10119m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	48488	6.163	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	12958	0.370	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	17813m	0.406	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	290	0.034	ng/ul#	40

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-13
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BN038262.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

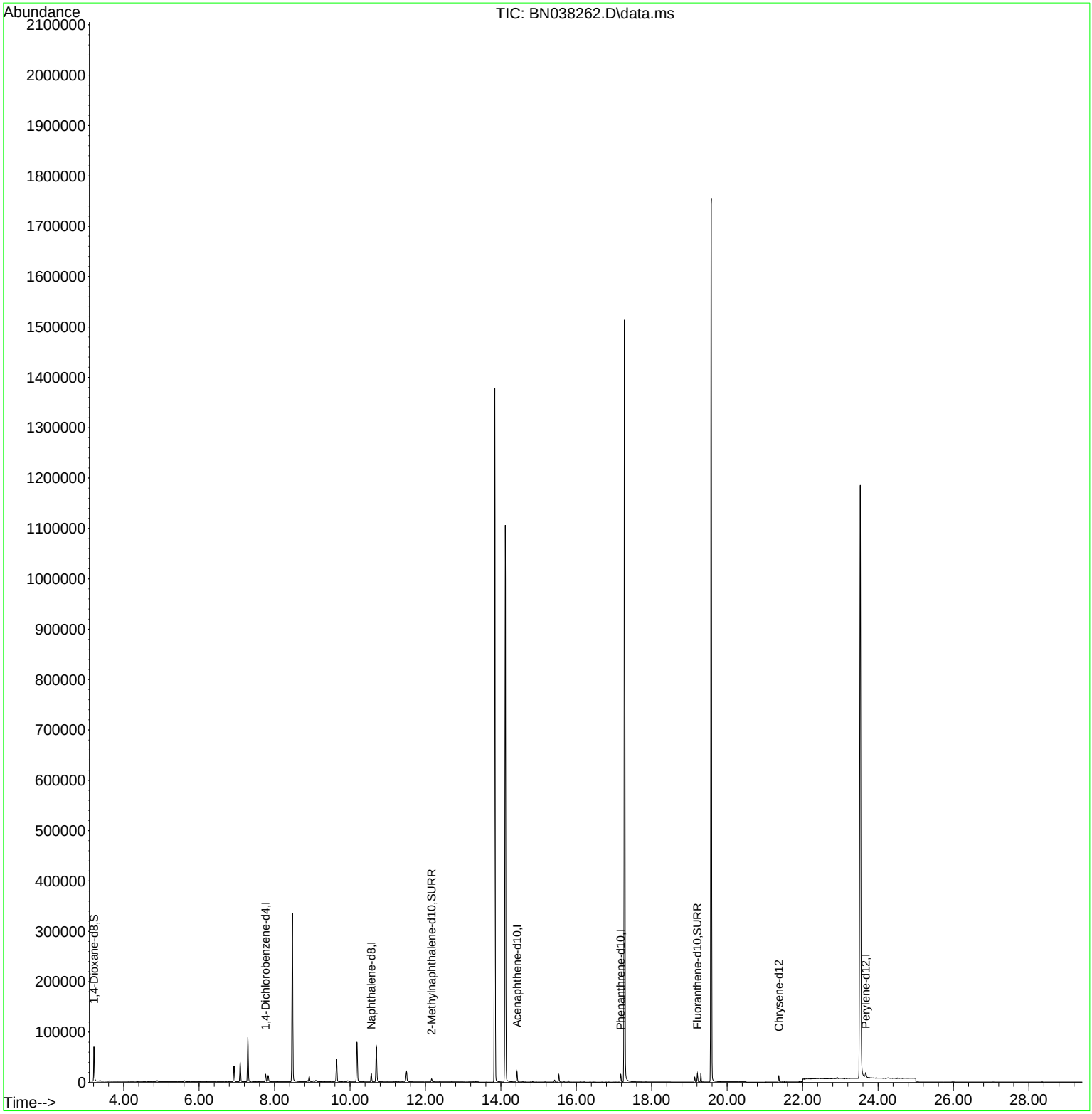
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 03 01:15:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM

Quant Time: Dec 03 01:15:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7205	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	21641	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	10686	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	17105m	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	12386m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	10853m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	41140	5.442	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	8062	0.261	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	17868m	0.371	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

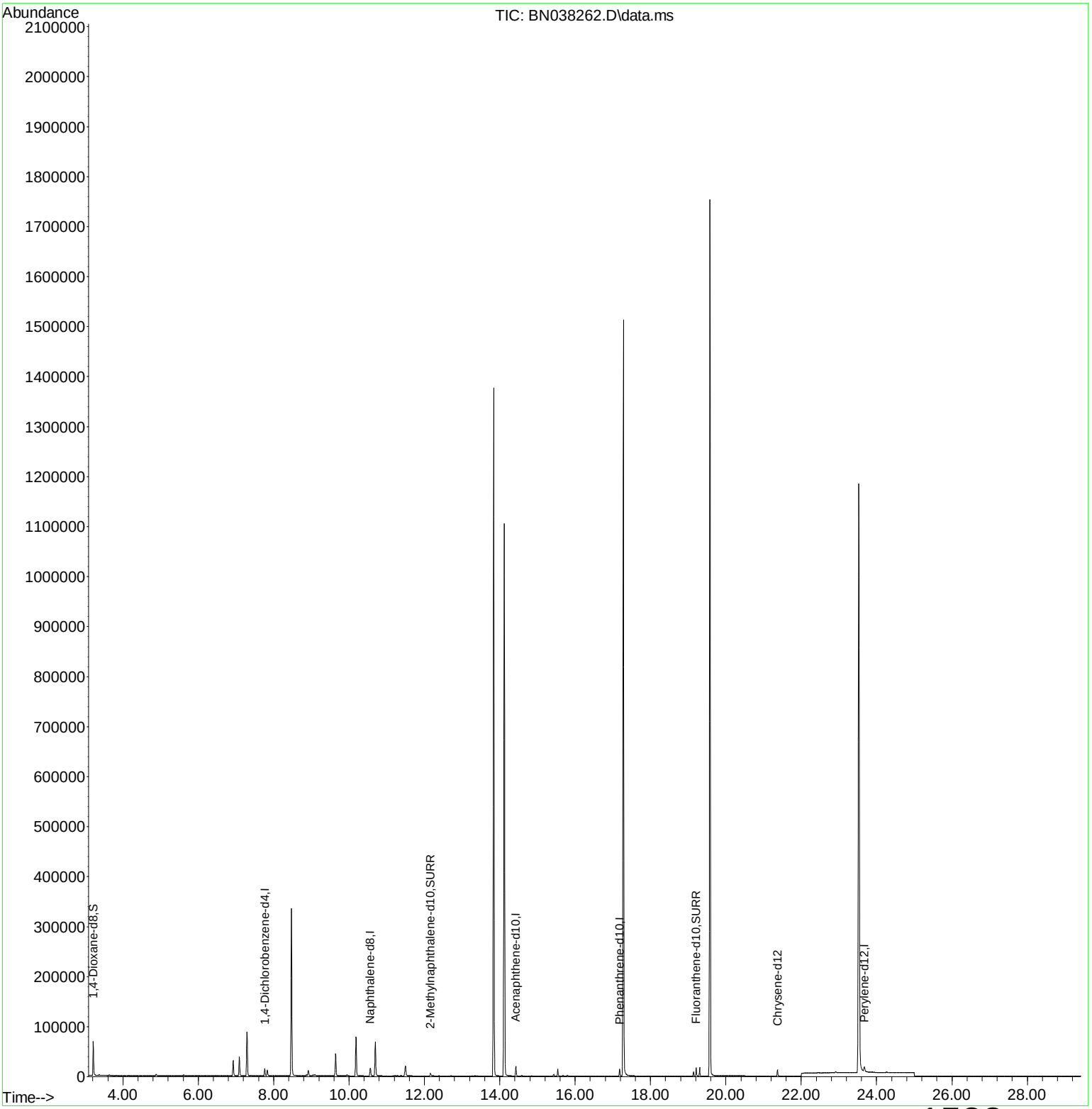
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Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 03 01:15:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM



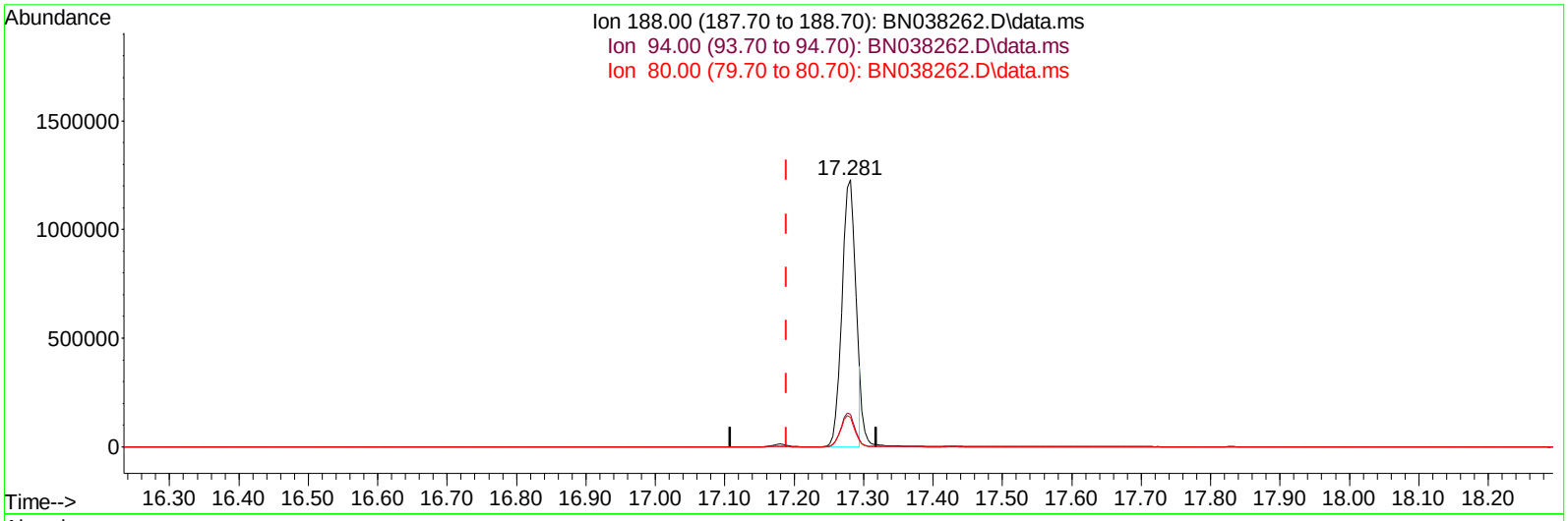
Quantitation Report (Qedit)

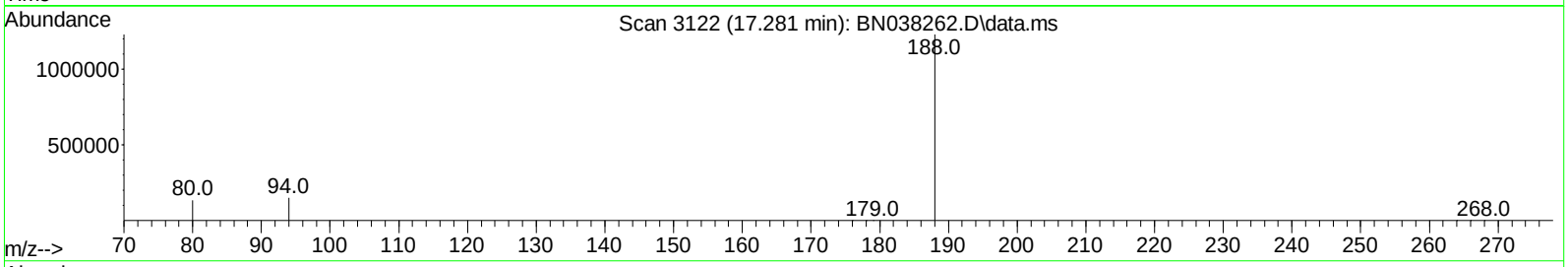
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Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

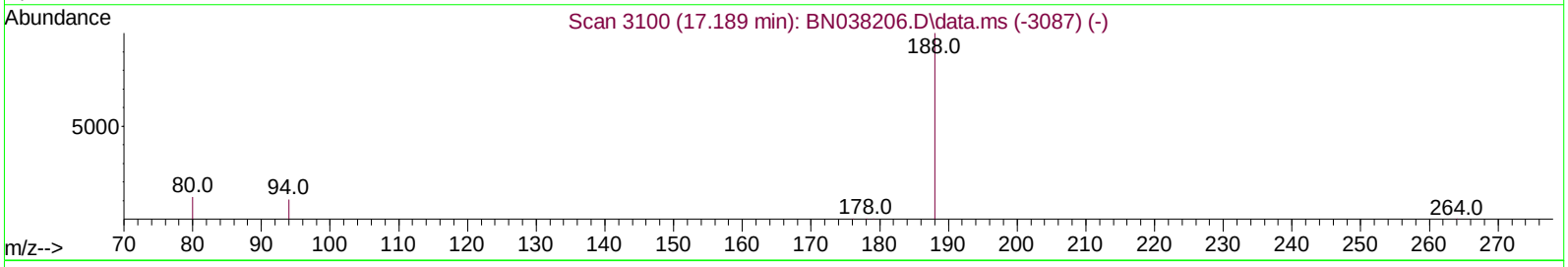
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM







TIC: BN038262.D\data.ms

(13) Phenanthrene-d10 (I)

17.281min (+ 0.092) 0.40 ng/ul

response 1668813

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.10
80.00	12.20	10.92
0.00	0.00	0.00

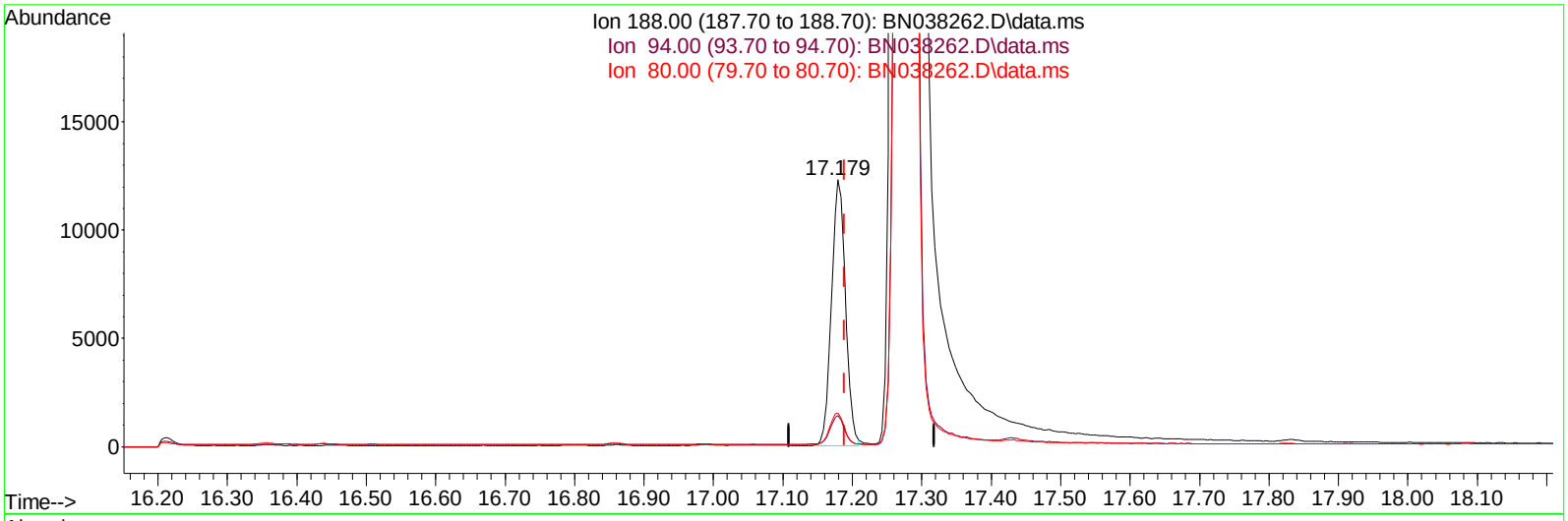
Quantitation Report (Qedit)

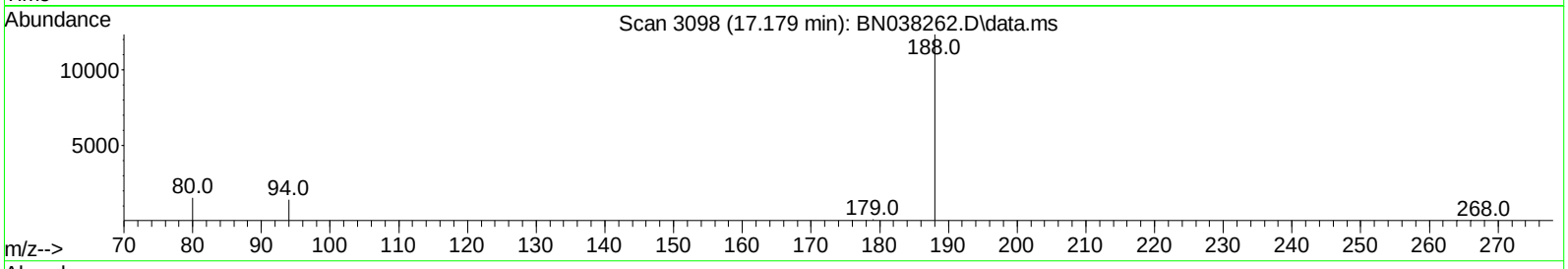
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Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

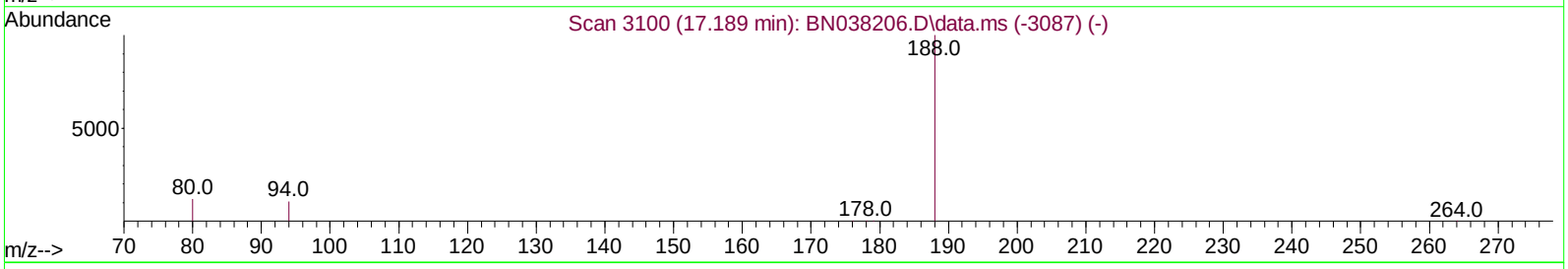
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Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM







TIC: BN038262.D\data.ms

(13) Phenanthrene-d10 (I)

17.179min (-0.009) 0.40 ng/ul m

response 17105

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.63
80.00	12.20	12.59
0.00	0.00	0.00

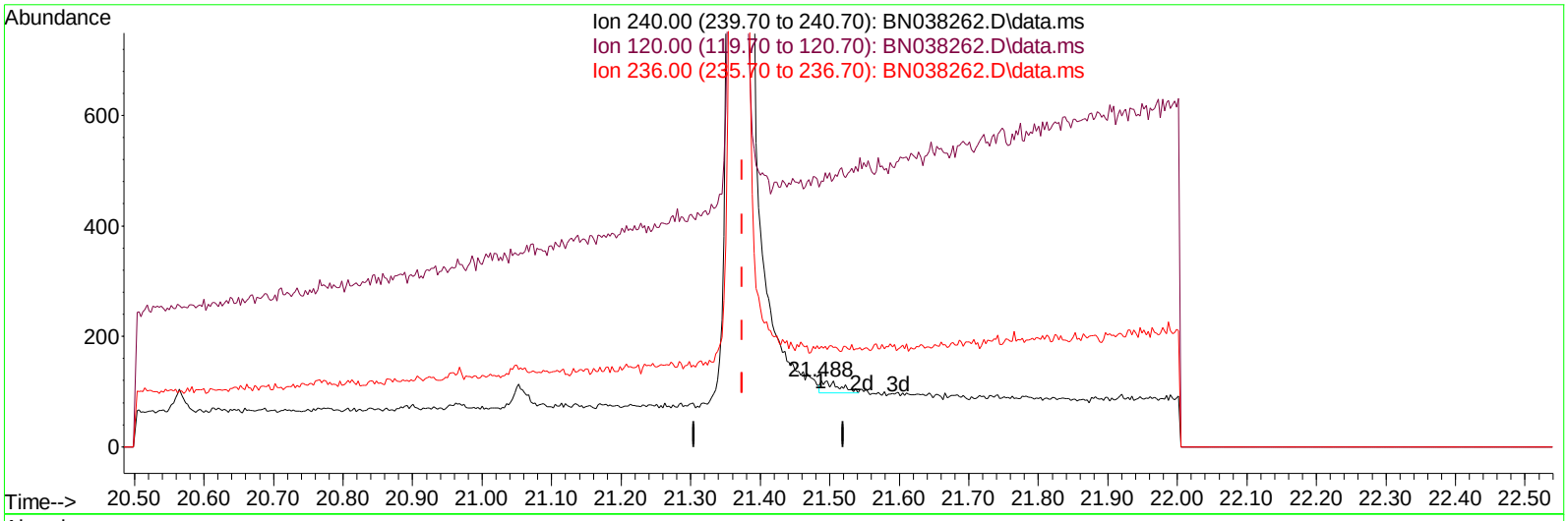
Quantitation Report (Qedit)

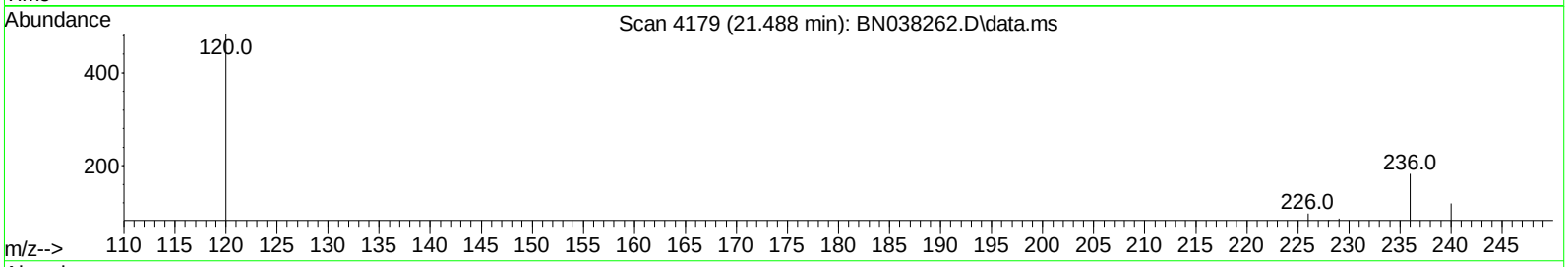
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

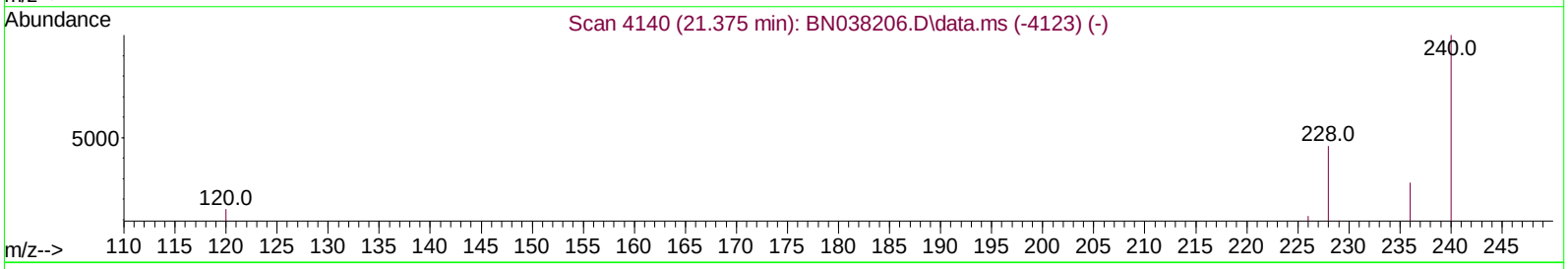
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM







TIC: BN038262.D\data.ms

(17) Chrysene-d12

21.488min (+ 0.113) 0.40 ng/ul

response 37

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	405.04#
236.00	29.60	152.94#
0.00	0.00	0.00

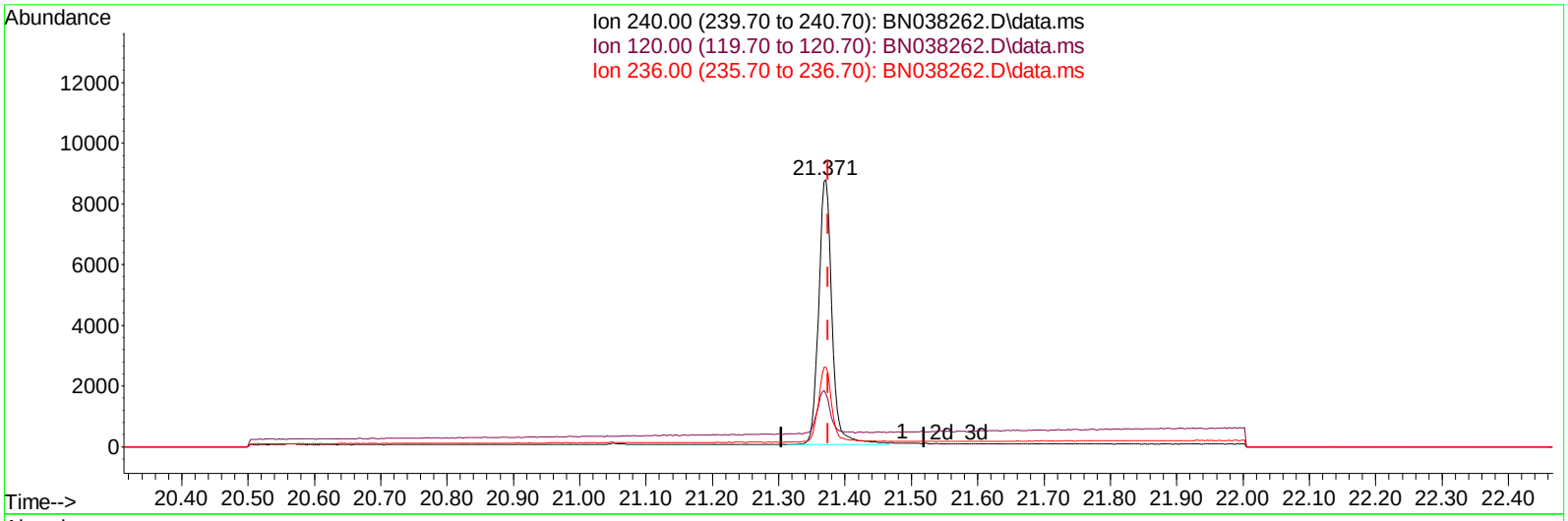
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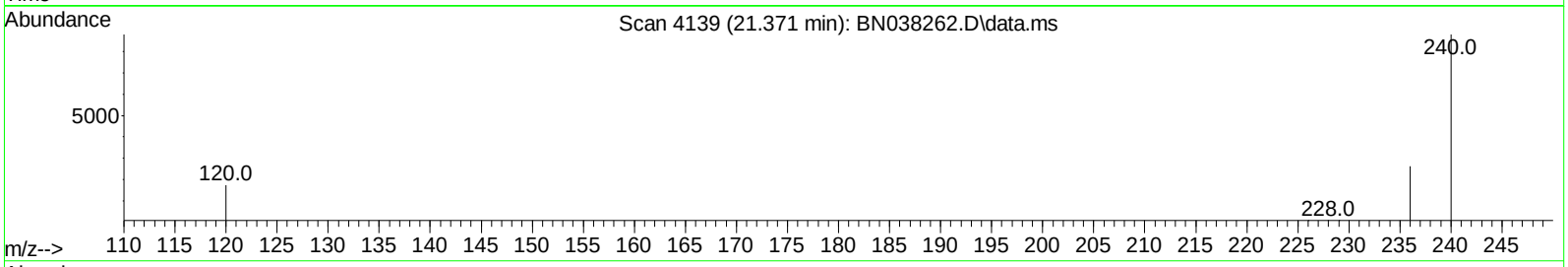
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Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

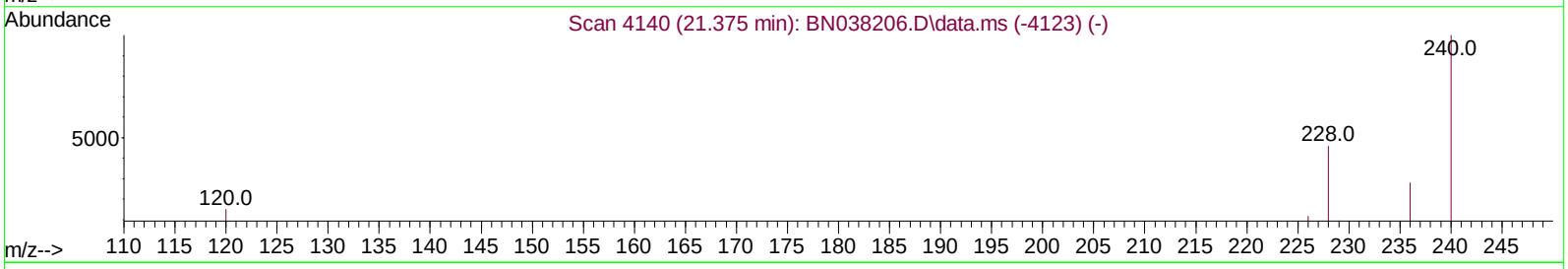
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Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM







TIC: BN038262.D\data.ms

(17) Chrysene-d12

21.371min (-0.004) 0.40 ng/ul m

response 12386

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	19.68
236.00	29.60	29.85
0.00	0.00	0.00

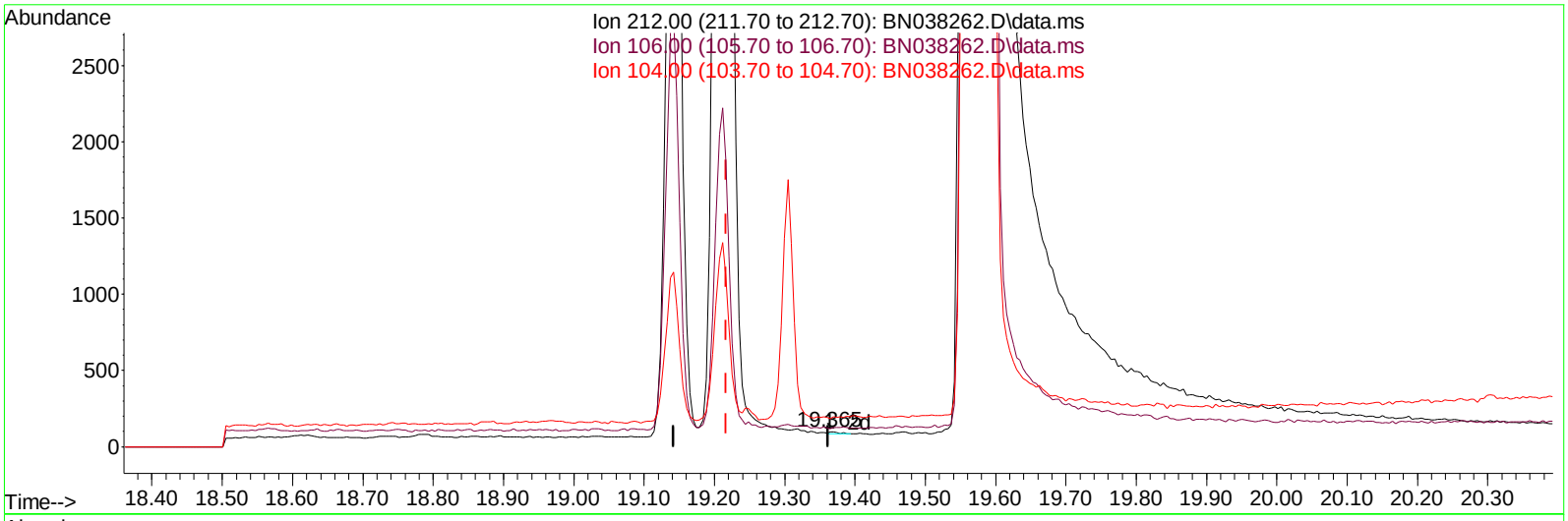
Quantitation Report (Qedit)

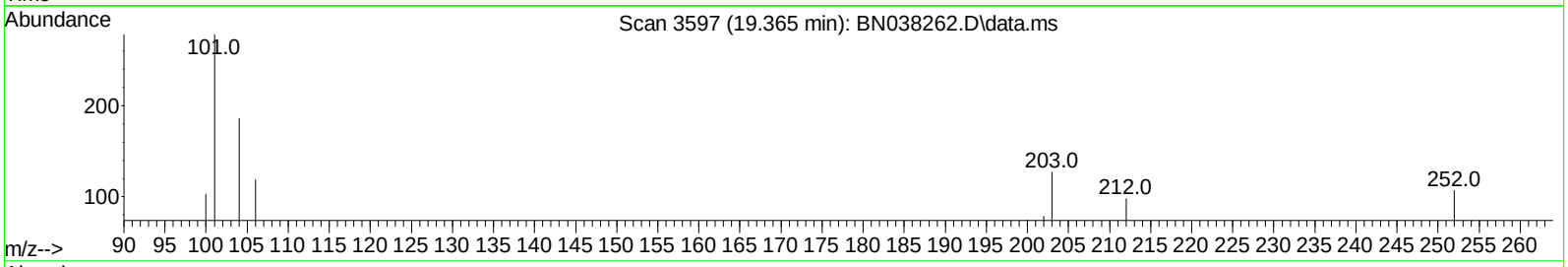
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

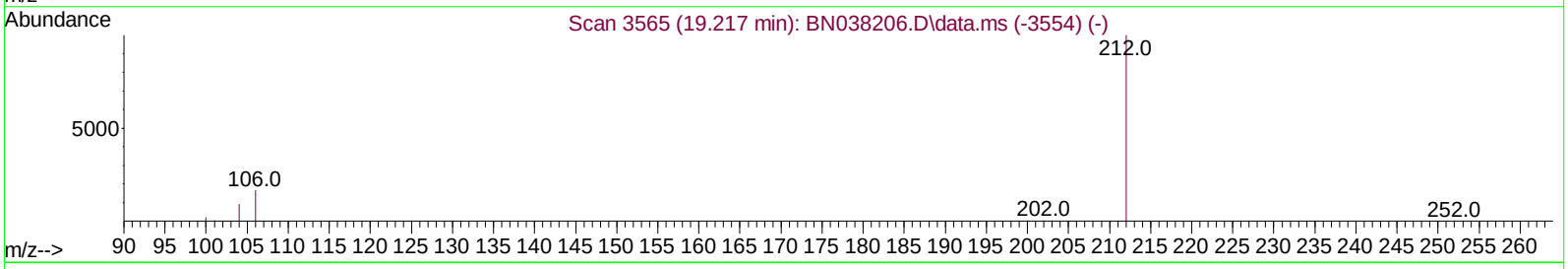
Quant Time: Dec 03 01:15:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM







TIC: BN038262.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.365min (+ 0.148) 0.00 ng/ul

response 12

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	108.33#
104.00	9.20	0.00#
0.00	0.00	0.00

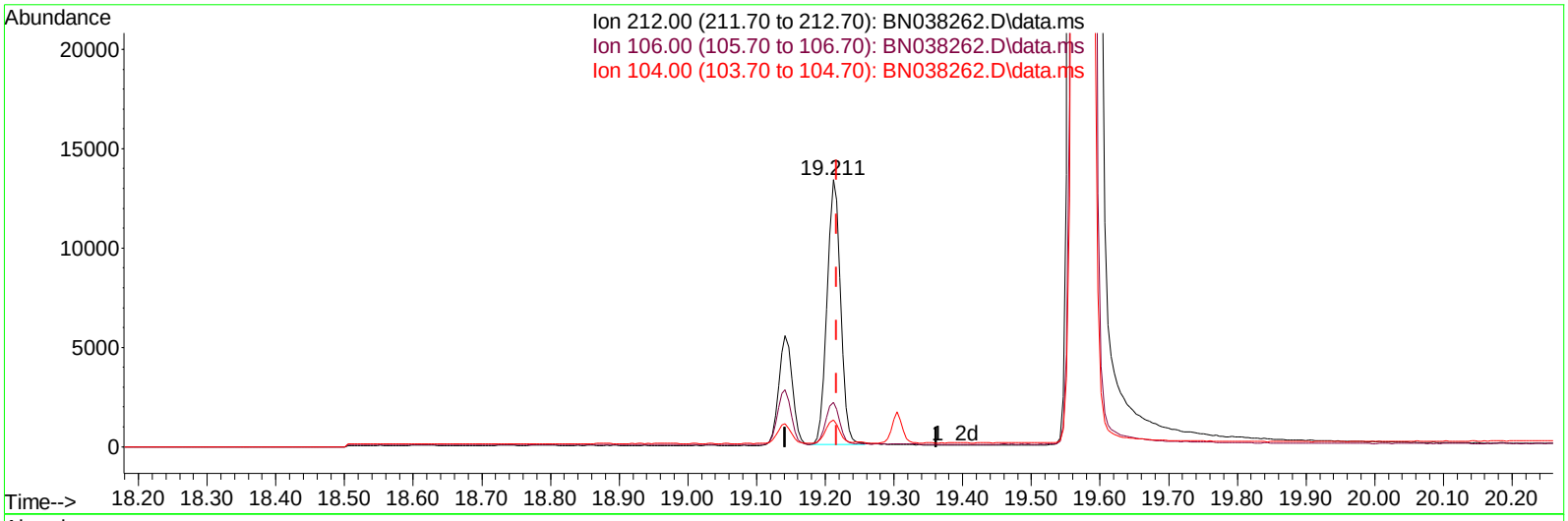
Quantitation Report (Qedit)

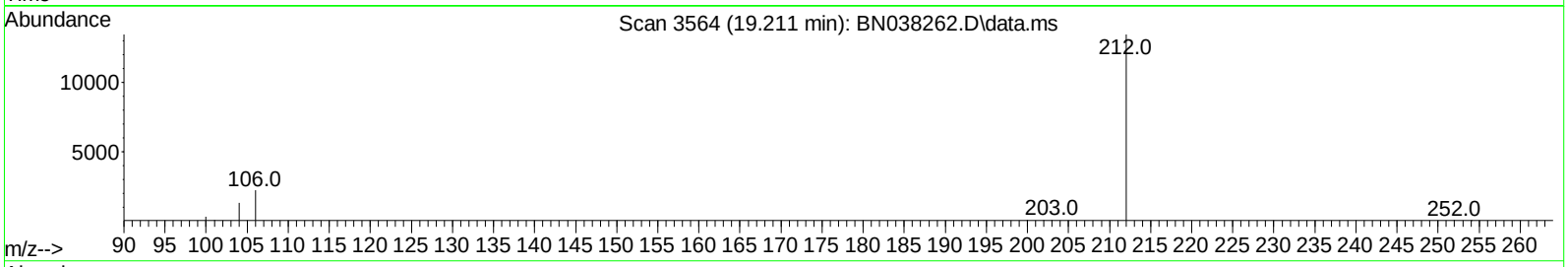
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

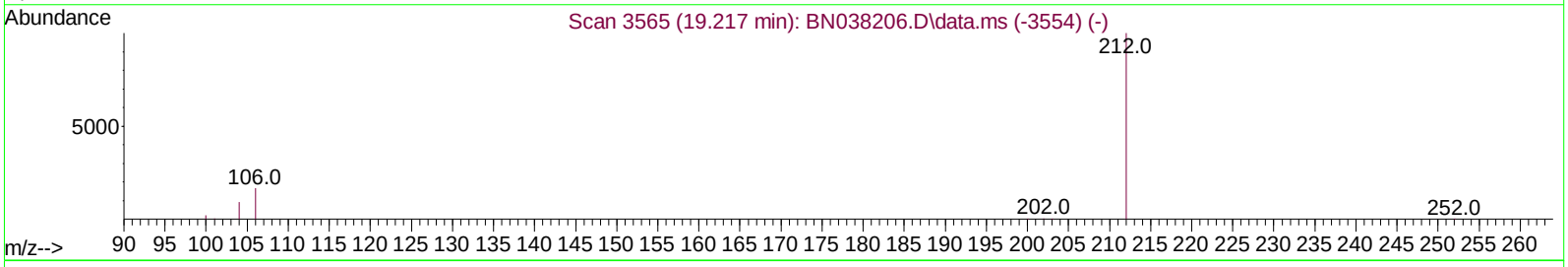
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
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TIC: BN038262.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.211min (-0.005) 0.37 ng/ul m

response 17868

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.07#
104.00	9.20	0.00#
0.00	0.00	0.00

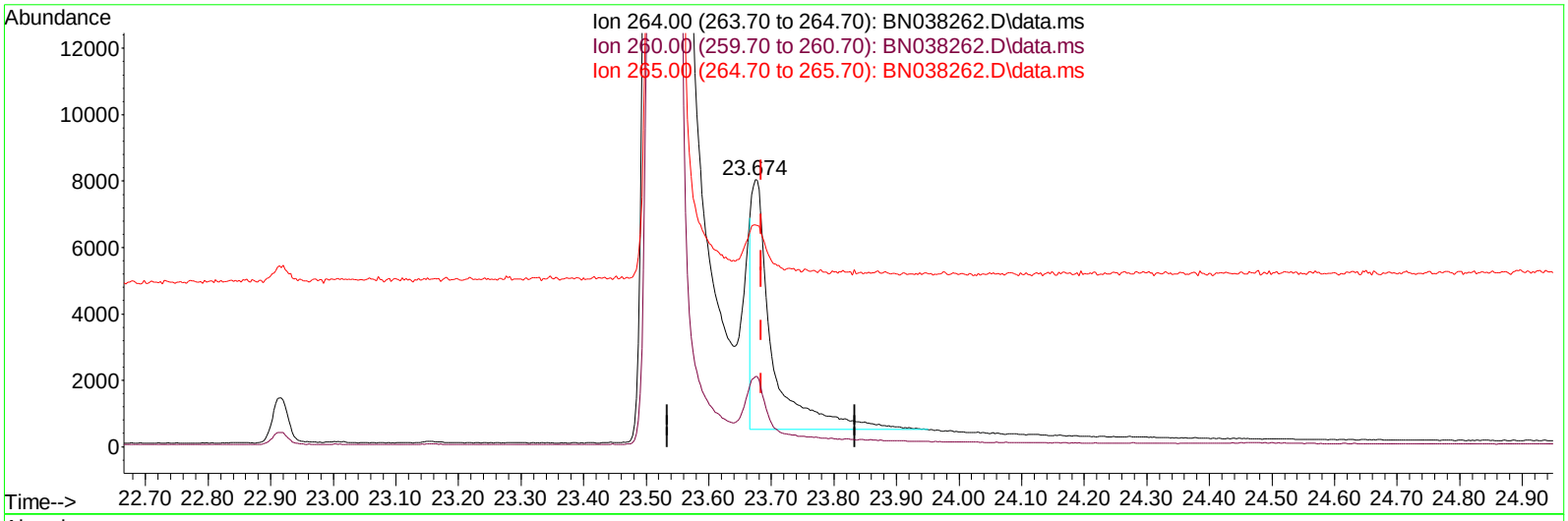
Quantitation Report (Qedit)

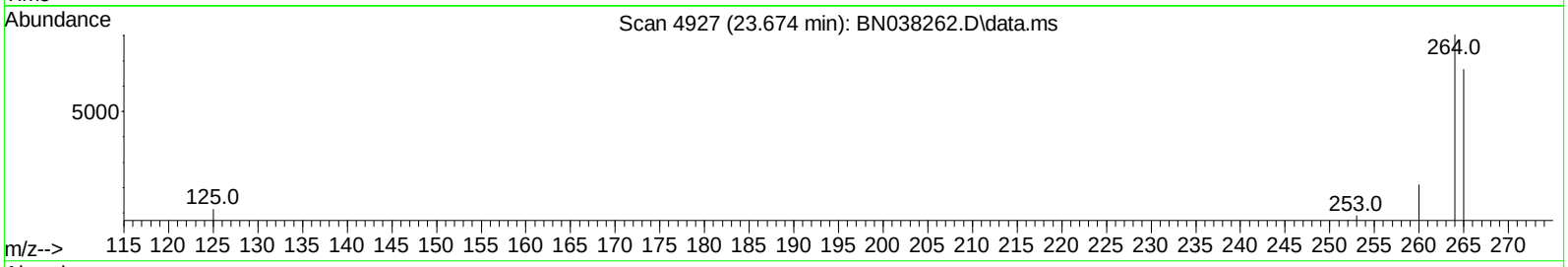
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Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

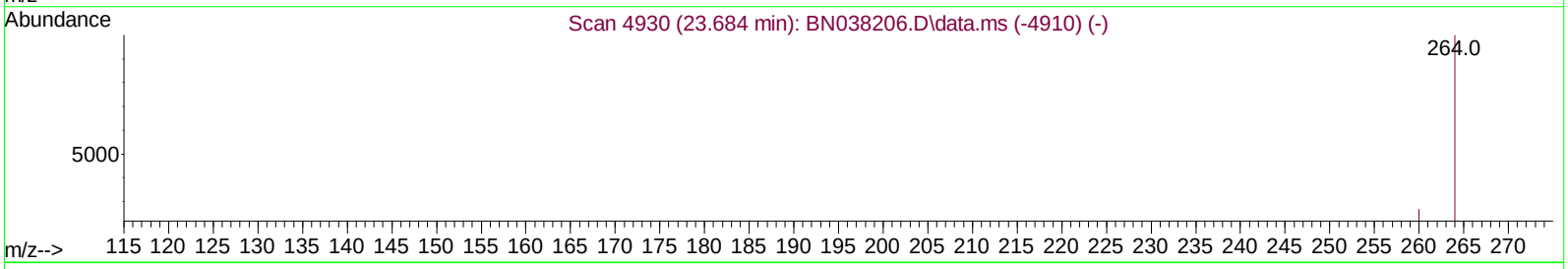
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM







TIC: BN038262.D\data.ms

(23) Perylene-d12 (I)

23.674min (-0.010) 0.40 ng/ul

response 17363

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.40
265.00	124.40	83.11#
0.00	0.00	0.00

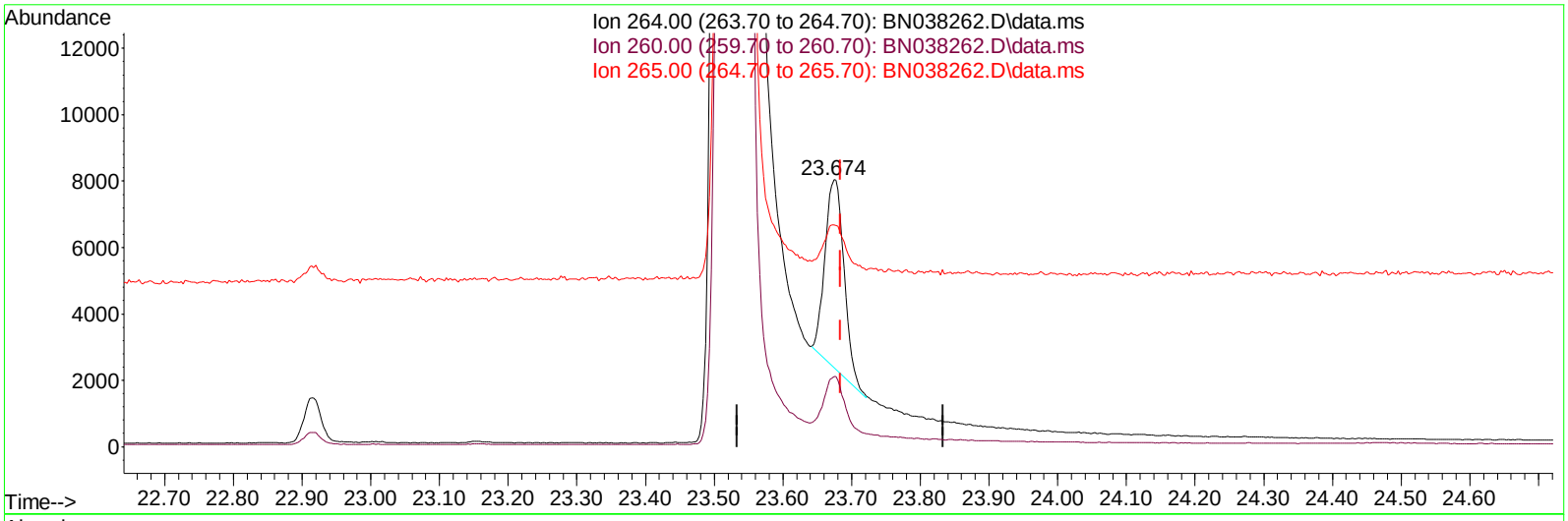
Quantitation Report (Qedit)

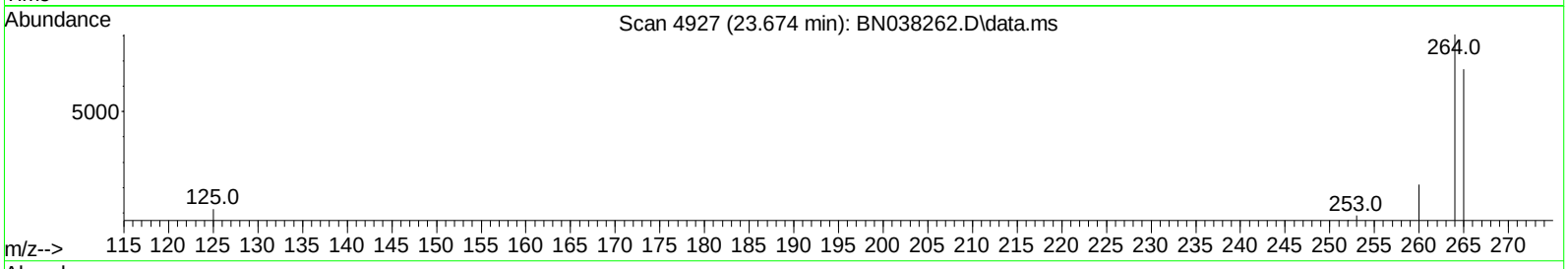
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

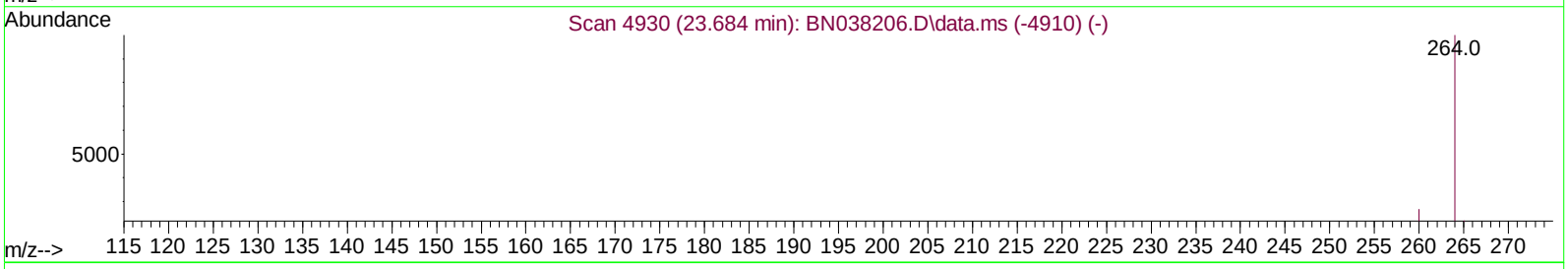
Quant Time: Dec 03 01:15:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM







TIC: BN038262.D\data.ms

(23) Perylene-d12 (I)

23.674min (-0.010) 0.40 ng/ul m

response 10853

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.40
265.00	124.40	83.11#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038262.D
Acq On : 02 Dec 2025 19:28
Operator : RC/JU
Sample : Q3688-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-30I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:37 PM

Quant Time: Dec 03 01:15:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7205	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	21641	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	10686	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	17105m	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	12386m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	10853m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	41140	5.442	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	8062	0.261	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	17868m	0.371	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-30S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-12
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038261.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

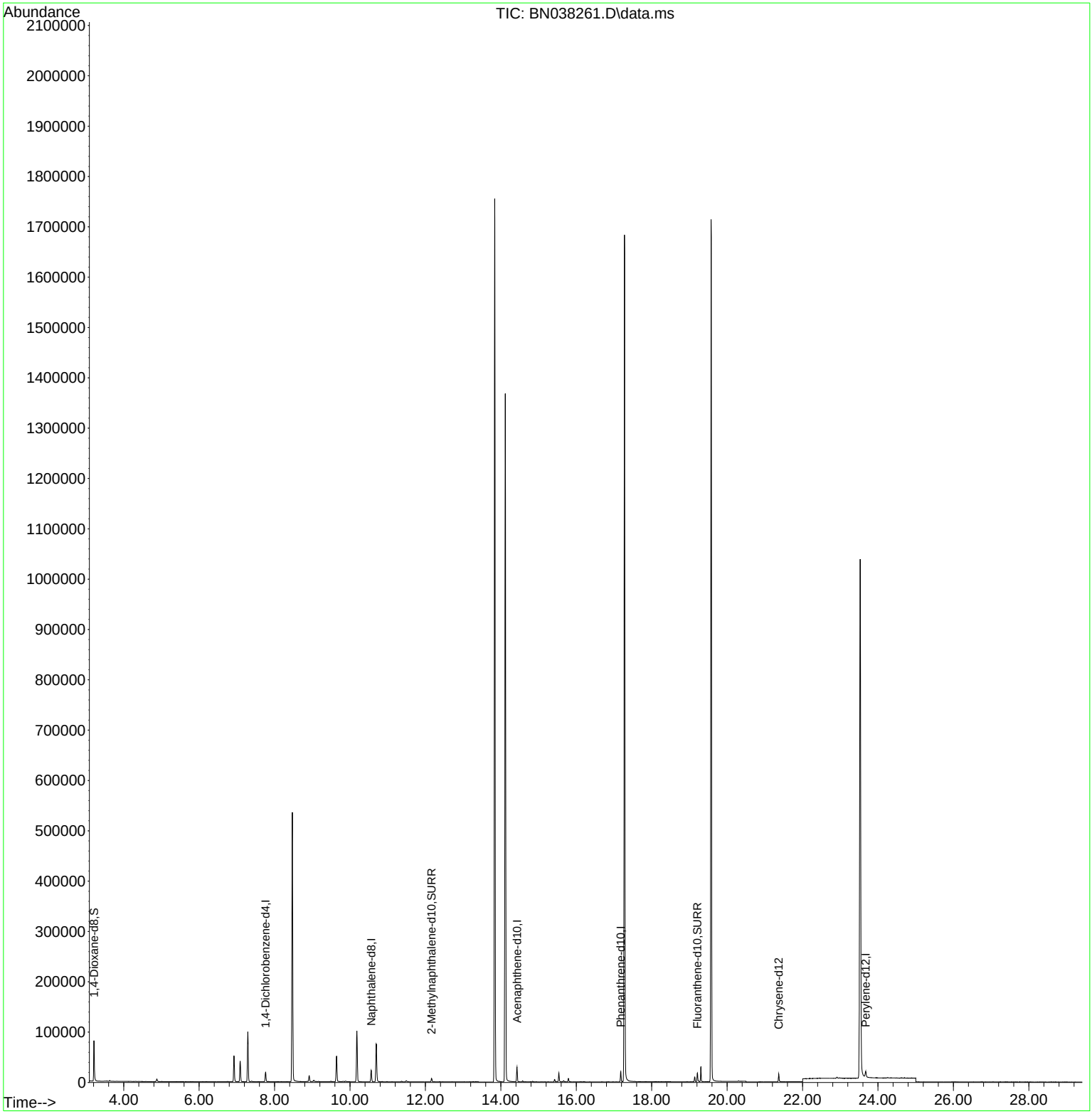
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
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Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM

Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	9557	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	30639	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.429	164	15903	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	23307m	0.400	ng/ul	0.00
17) Chrysene-d12	21.369	240	14691m	0.400	ng/ul	0.00
23) Perylene-d12	23.672	264	13252m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	49676	4.954	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	9560	0.219	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	18251m	0.320	ng/ul	0.00
Target Compounds						Qvalue

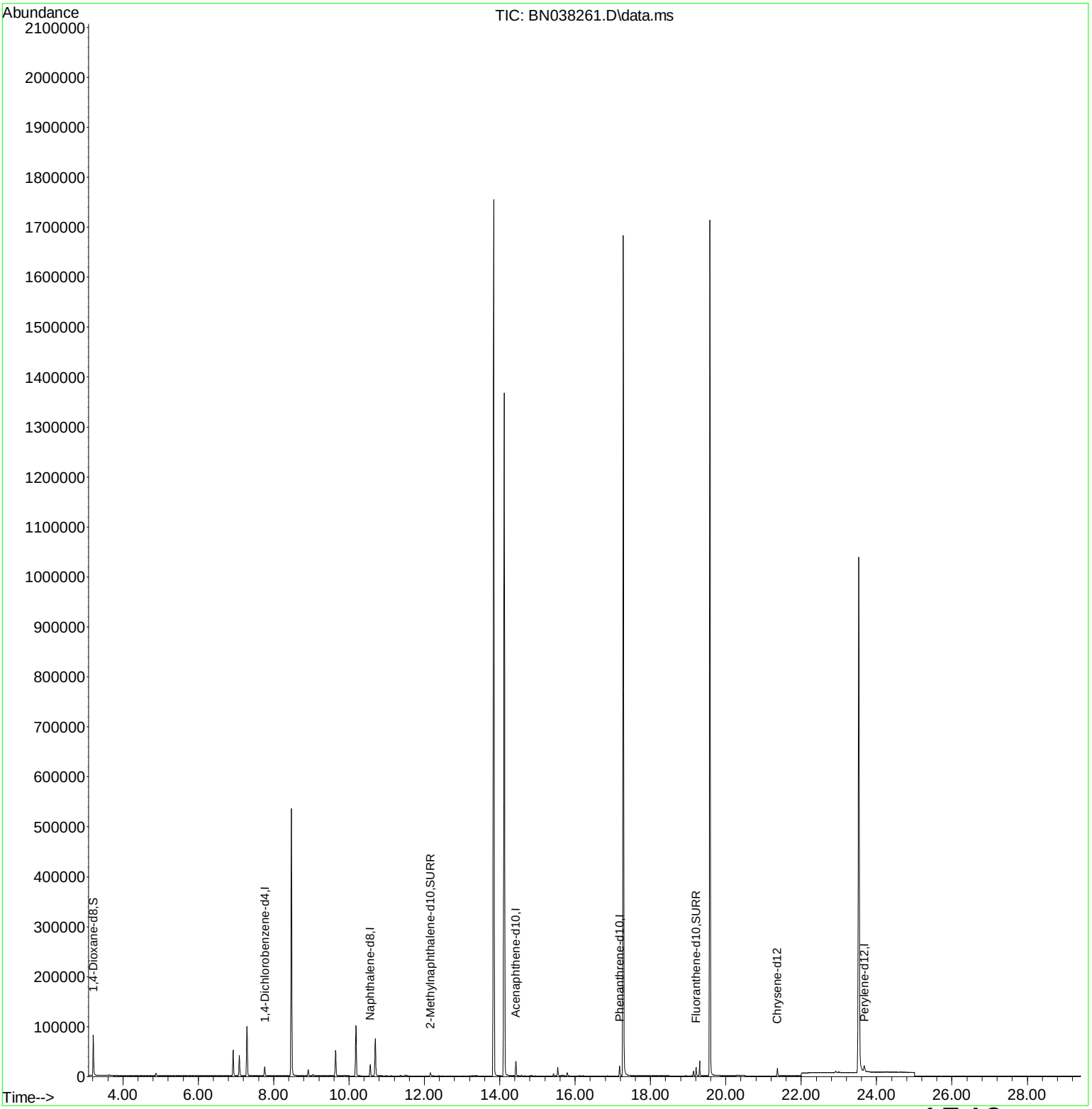
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM



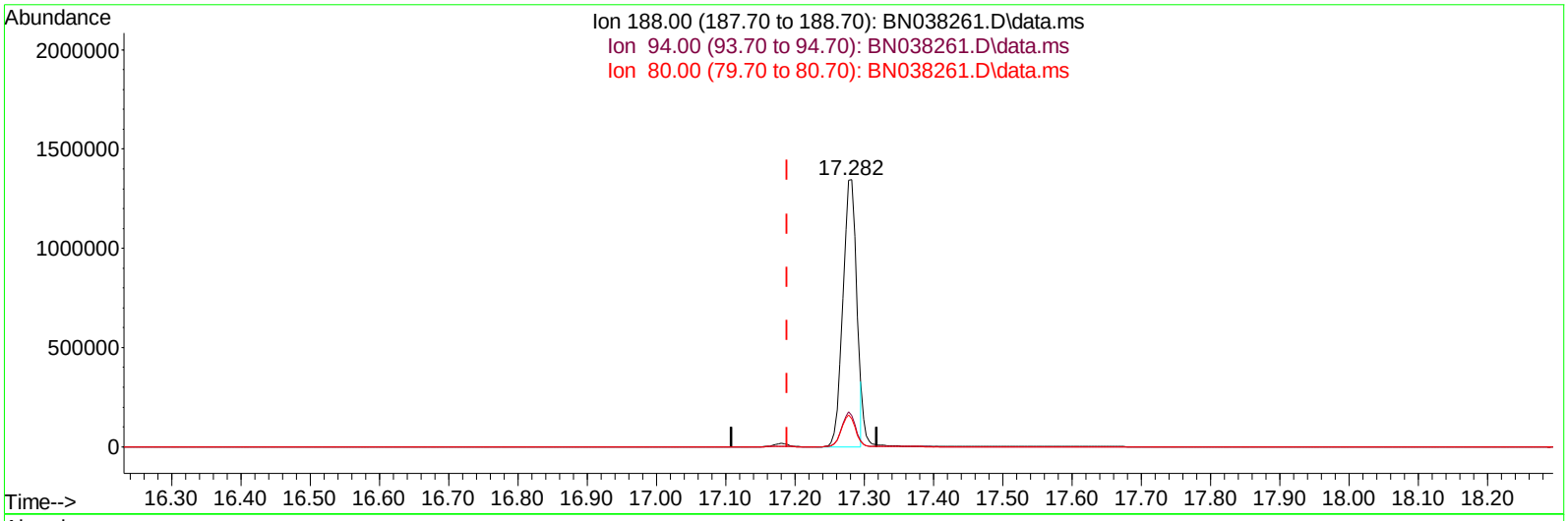
Quantitation Report (Qedit)

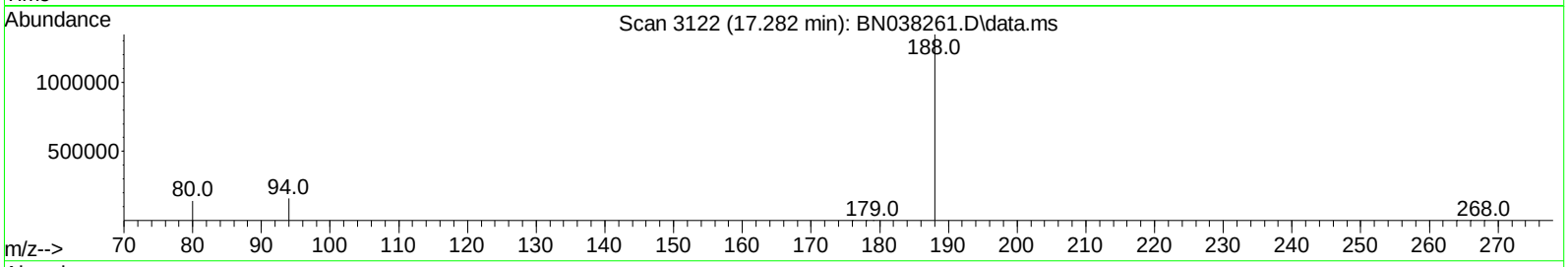
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Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

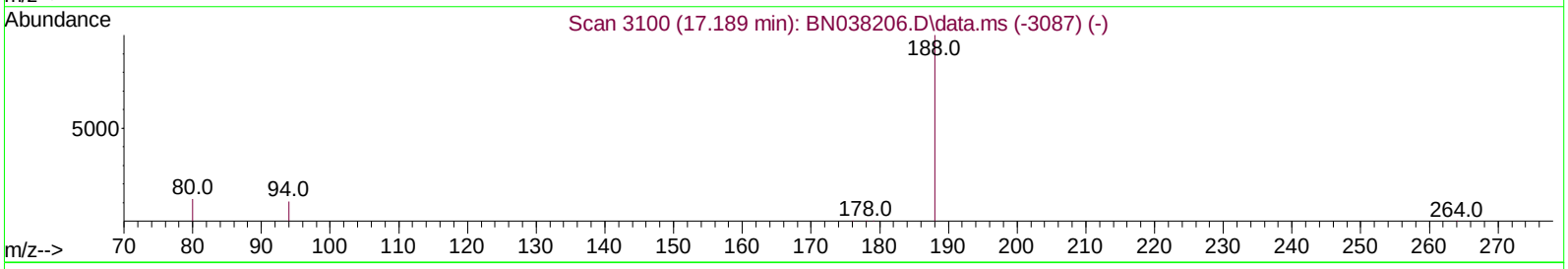
Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
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TIC: BN038261.D\data.ms

(13) Phenanthrene-d10 (I)

17.282min (+ 0.093) 0.40 ng/ul

response 1840744

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.77
80.00	12.20	10.50
0.00	0.00	0.00

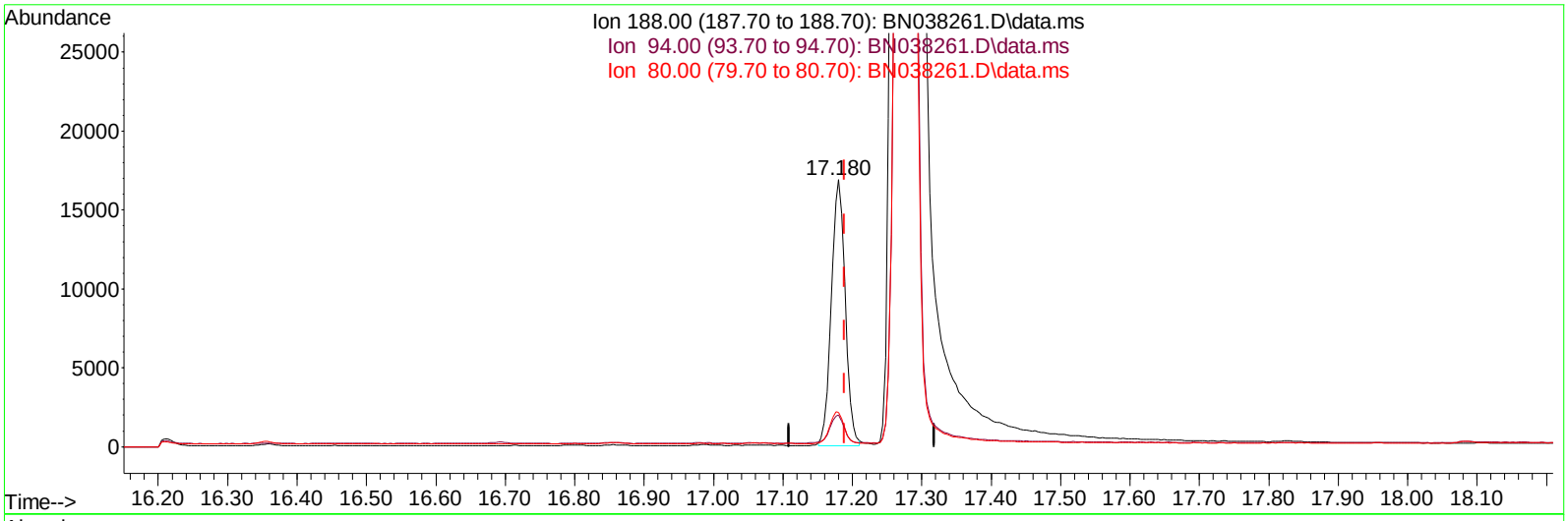
Quantitation Report (Qedit)

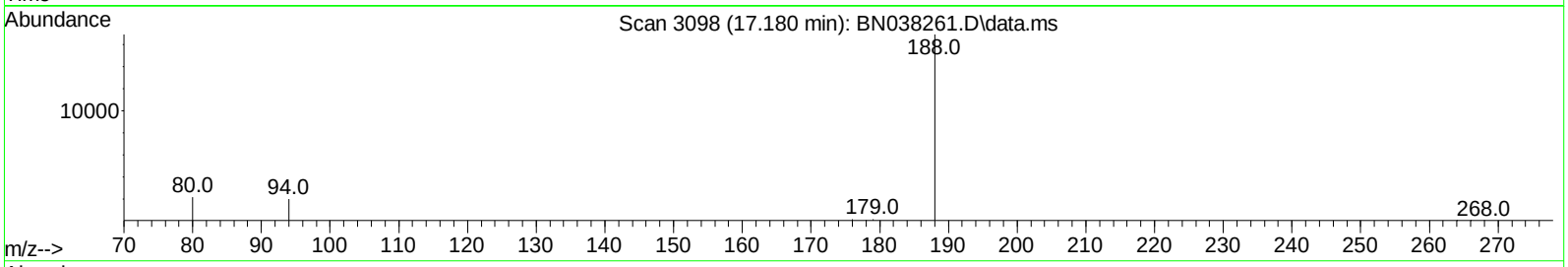
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

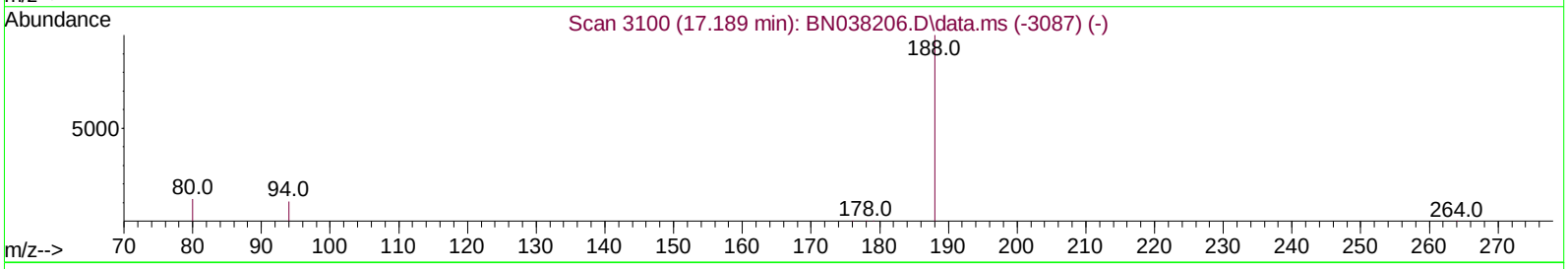
Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM







TIC: BN038261.D\data.ms

(13) Phenanthrene-d10 (I)

17.180min (-0.008) 0.40 ng/ul m

response 23307

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.83
80.00	12.20	12.84
0.00	0.00	0.00

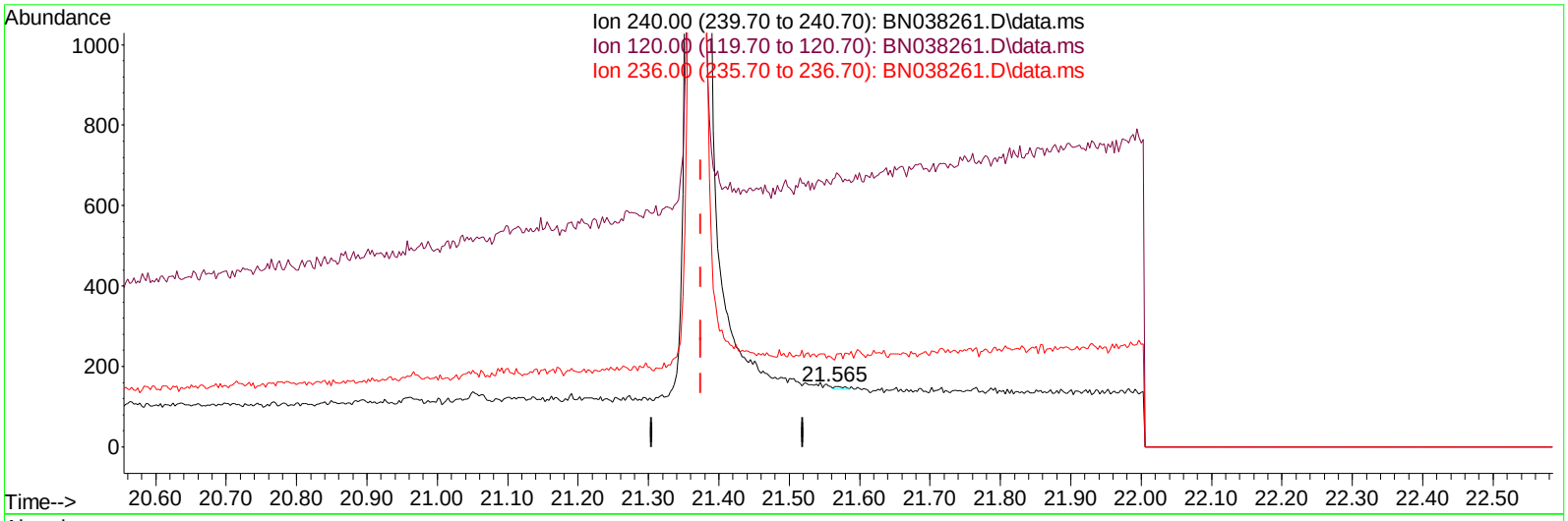
Quantitation Report (Qedit)

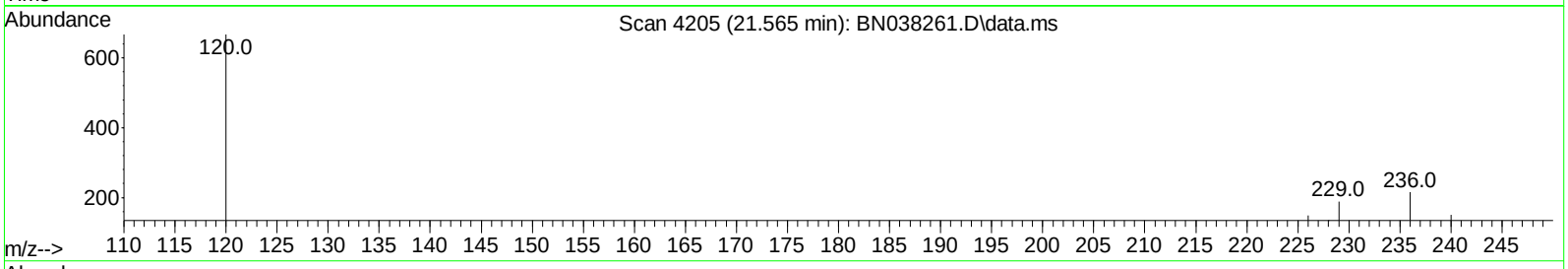
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

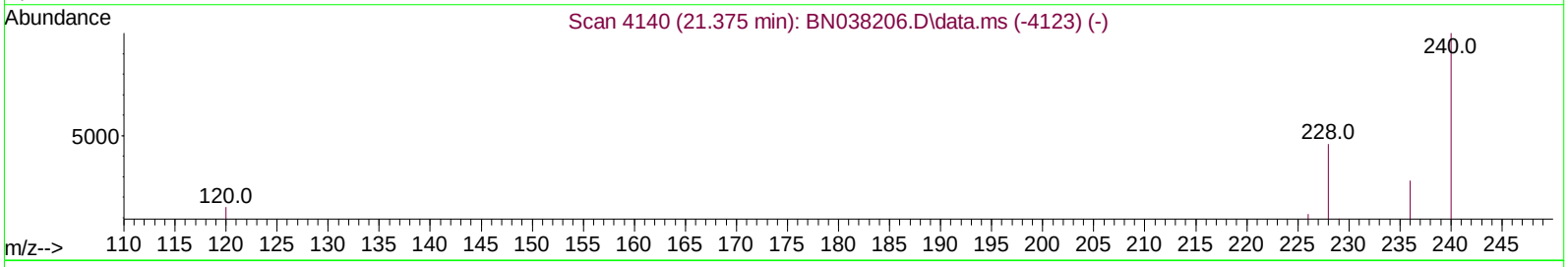
Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM







TIC: BN038261.D\data.ms

(17) Chrysene-d12

21.565min (+ 0.190) 0.40 ng/ul

response 7

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	444.67#
236.00	29.60	144.00#
0.00	0.00	0.00

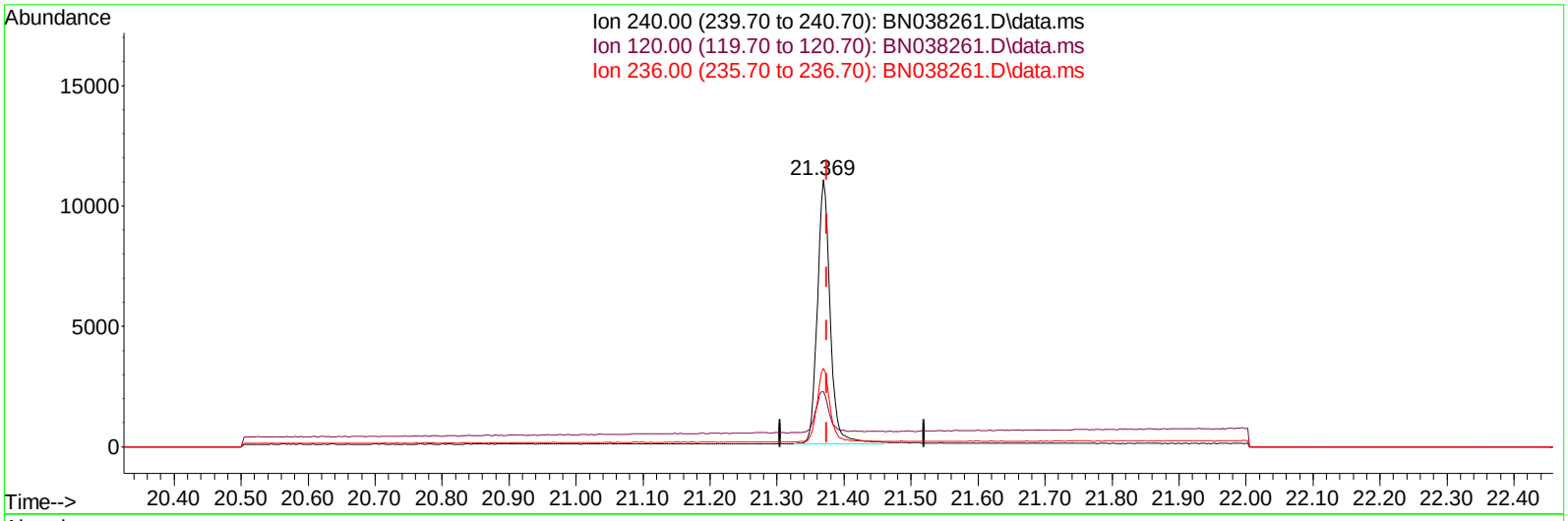
Quantitation Report (Qedit)

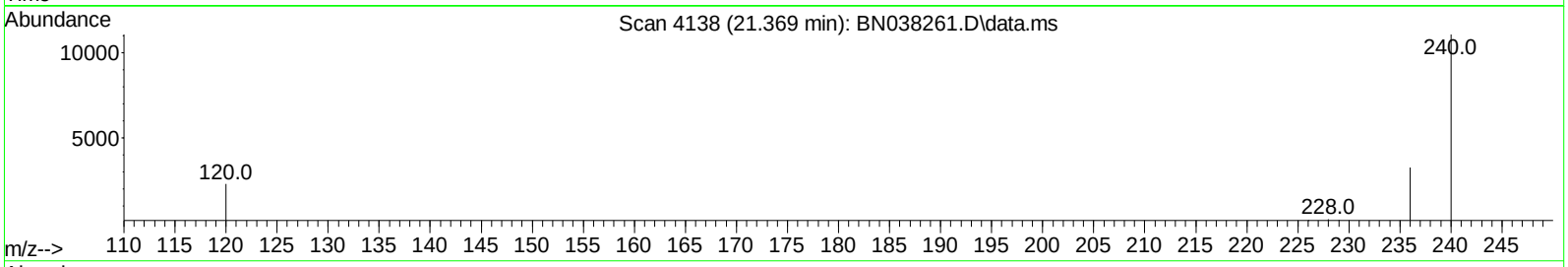
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

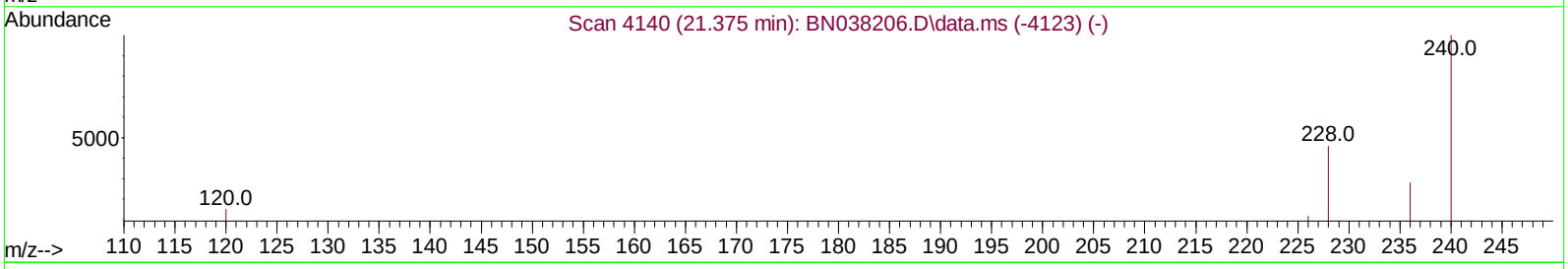
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM







TIC: BN038261.D\data.ms

(17) Chrysene-d12

21.369min (-0.006) 0.40 ng/ul m

response 14691

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	20.74
236.00	29.60	29.39
0.00	0.00	0.00

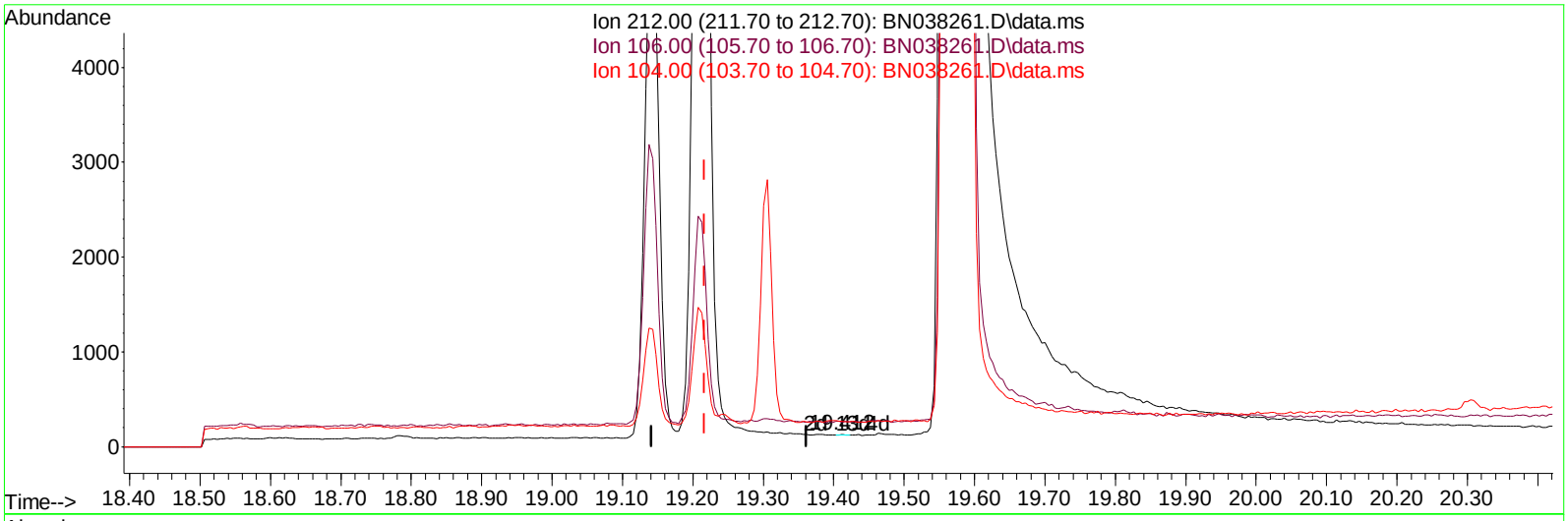
Quantitation Report (Qedit)

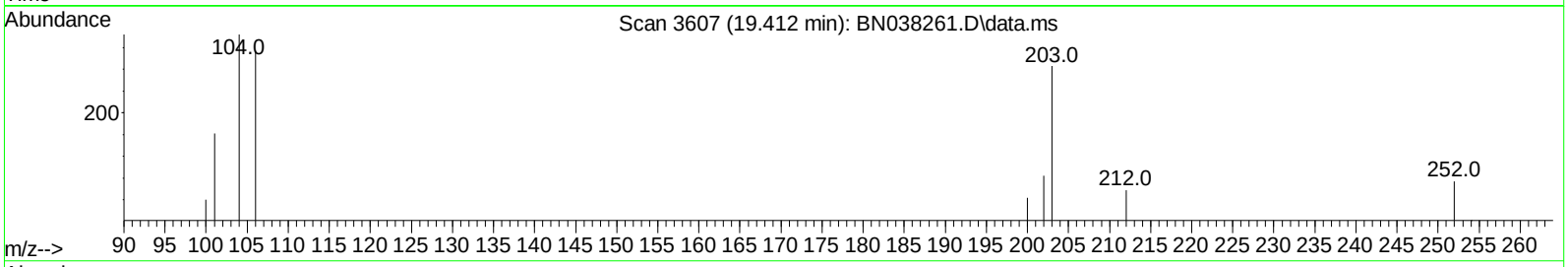
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Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

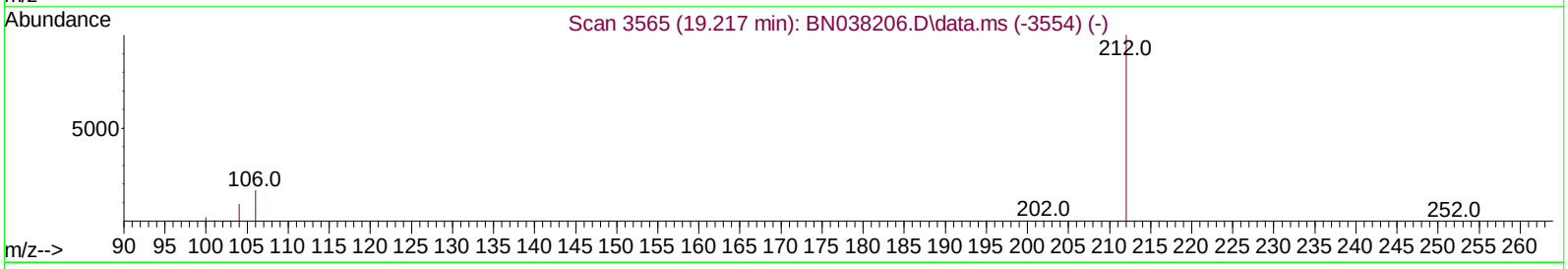
Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM







TIC: BN038261.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.412min (+ 0.195) 0.00 ng/ul

response 4

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	600.00#
104.00	9.20	0.00#
0.00	0.00	0.00

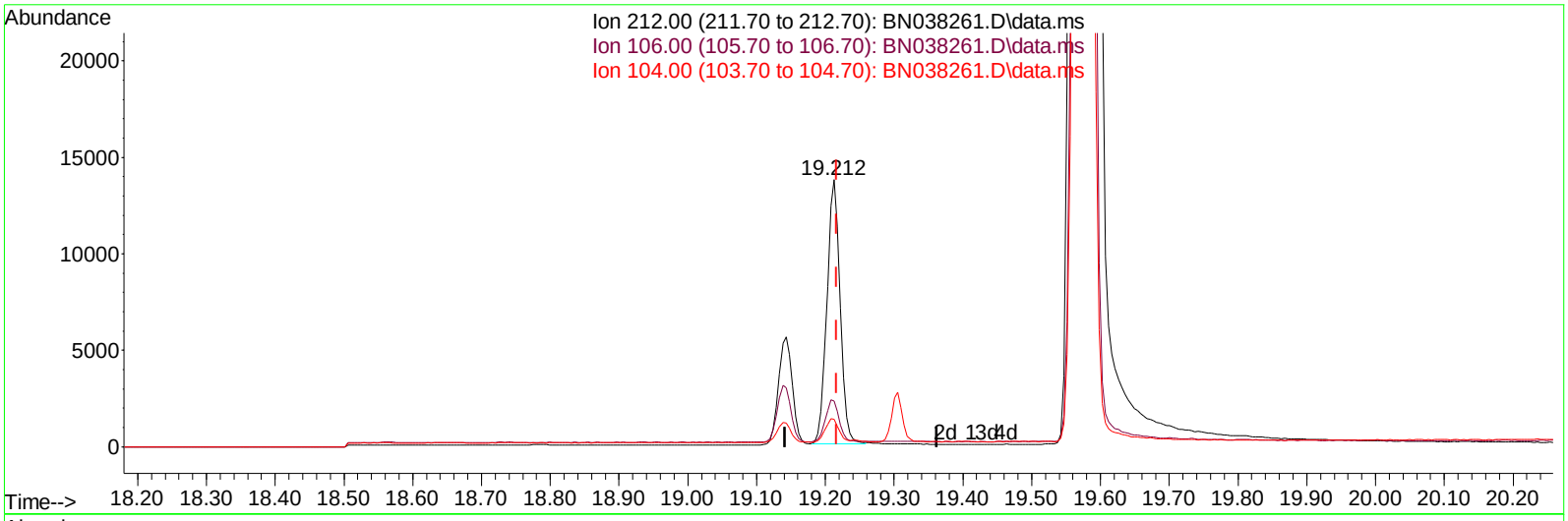
Quantitation Report (Qedit)

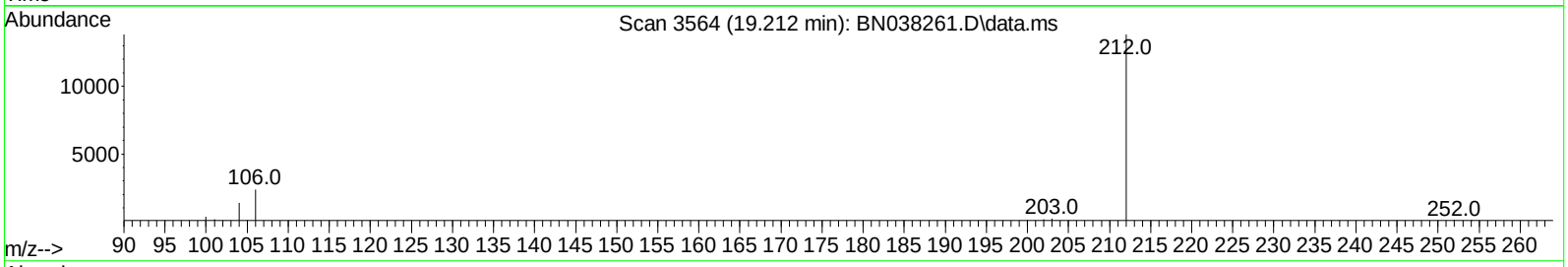
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

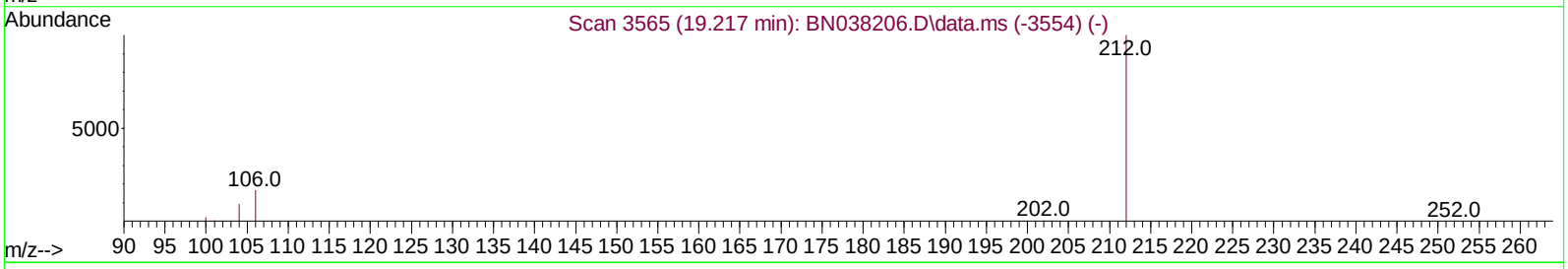
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM







TIC: BN038261.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.212min (-0.005) 0.32 ng/ul m

response 18251

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.13#
104.00	9.20	0.00#
0.00	0.00	0.00

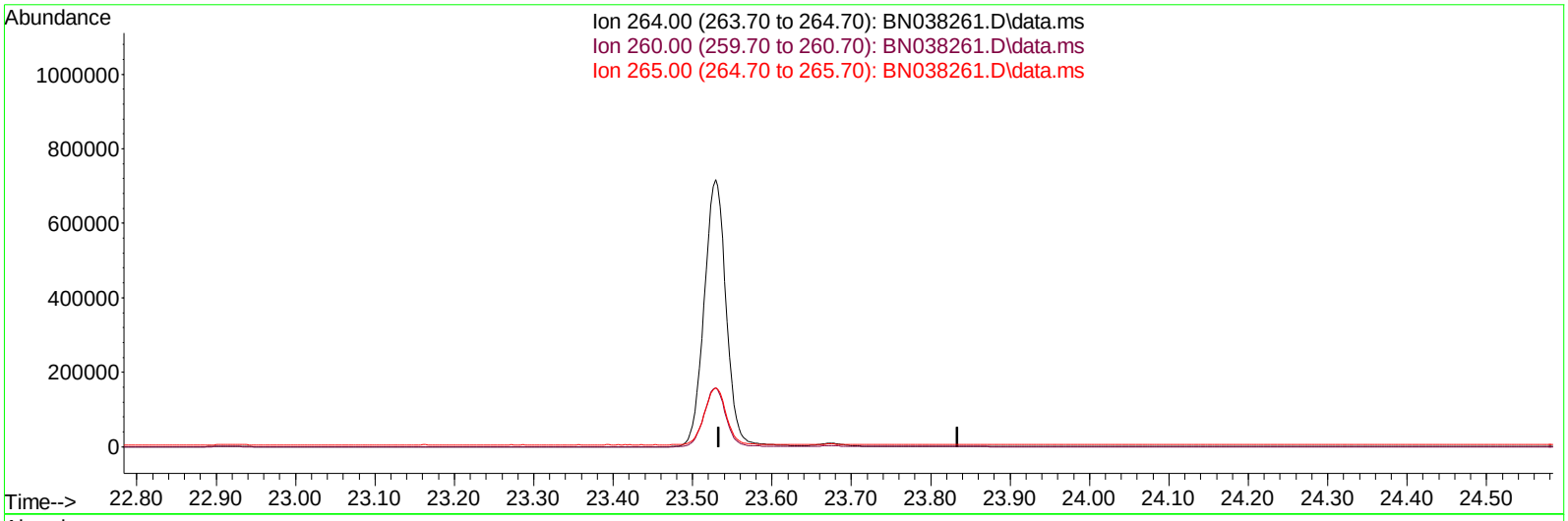
Quantitation Report (Qedit)

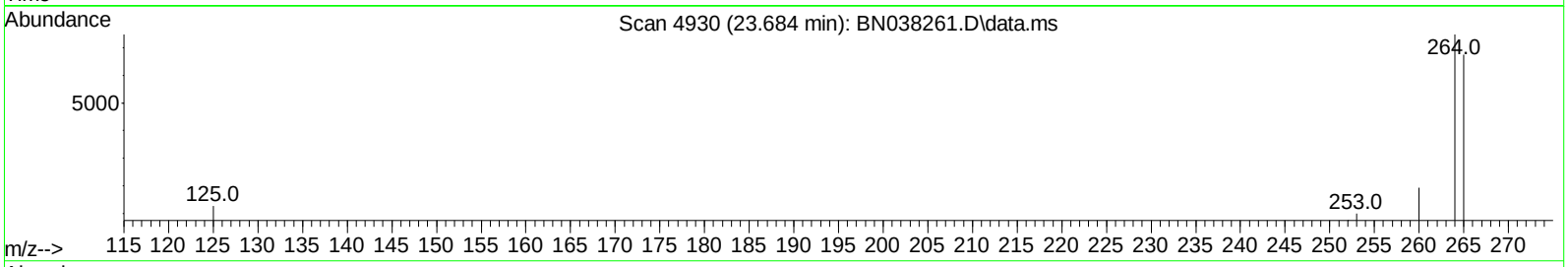
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Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

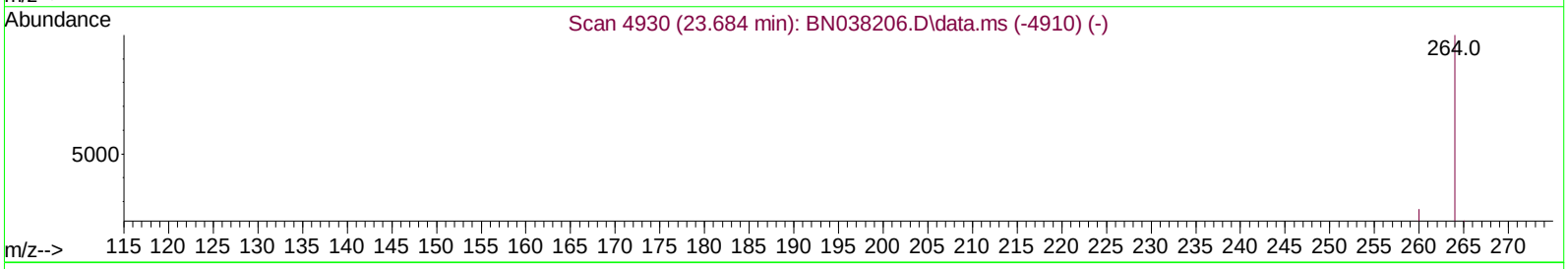
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM







TIC: BN038261.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

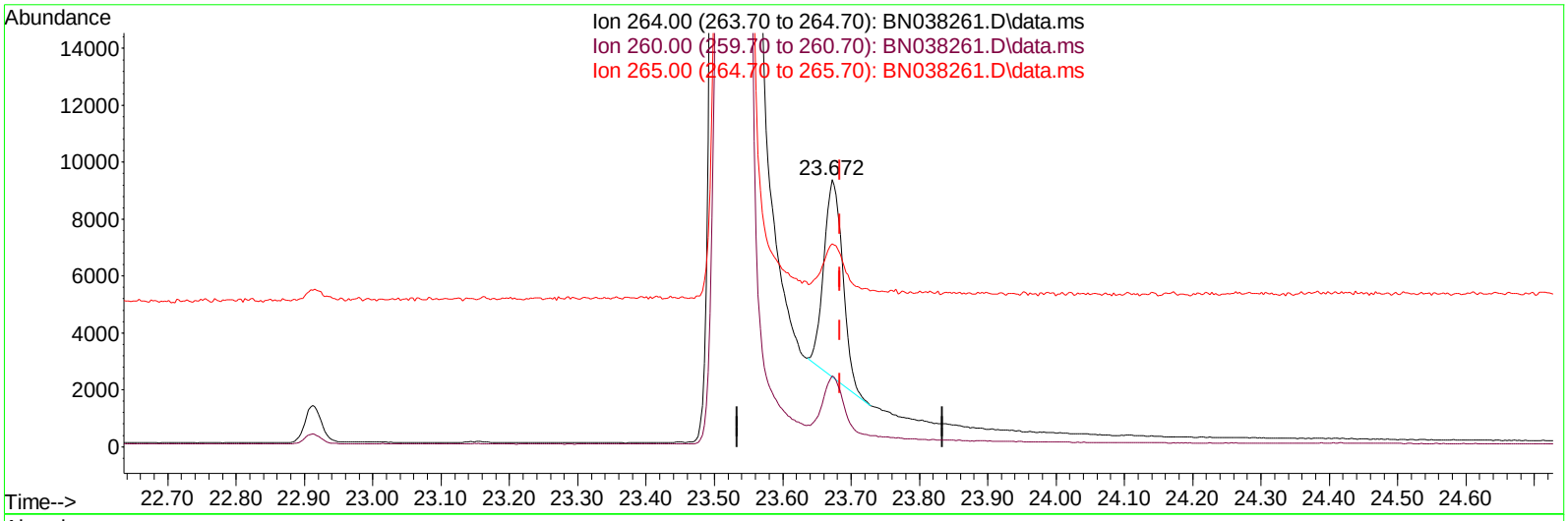
Quantitation Report (Qedit)

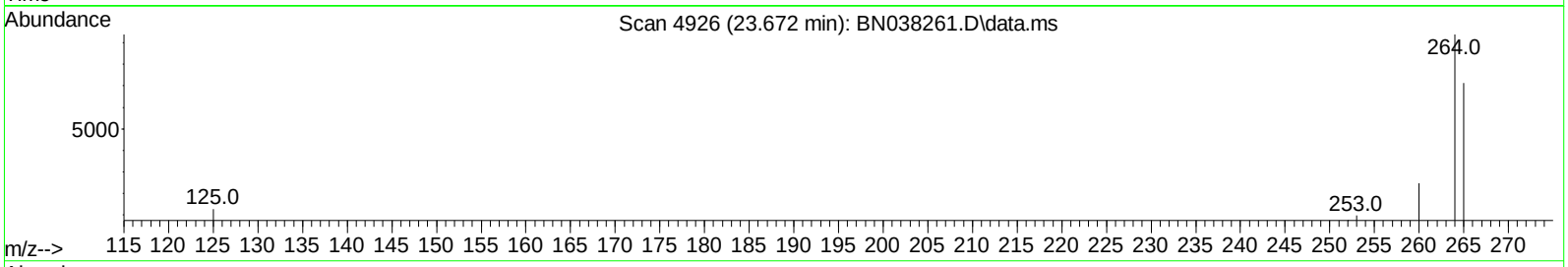
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Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

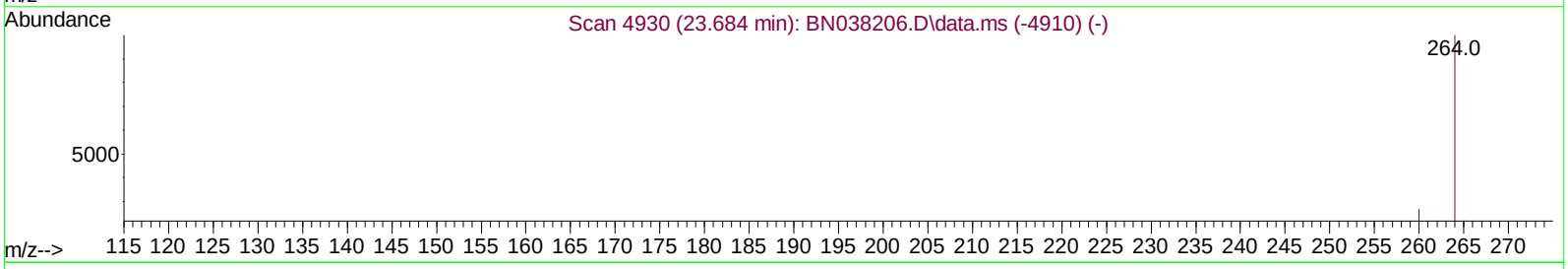
Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM







TIC: BN038261.D\data.ms

(23) Perylene-d12 (I)

23.672min (-0.012) 0.40 ng/ul m

response 13252

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.44
265.00	124.40	76.10#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038261.D
Acq On : 02 Dec 2025 18:51
Operator : RC/JU
Sample : Q3688-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-30S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:31 PM

Quant Time: Dec 03 01:09:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	9557	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	30639	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.429	164	15903	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	23307m	0.400	ng/ul	0.00
17) Chrysene-d12	21.369	240	14691m	0.400	ng/ul	0.00
23) Perylene-d12	23.672	264	13252m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	49676	4.954	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	9560	0.219	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	18251m	0.320	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-09
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BN038258.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

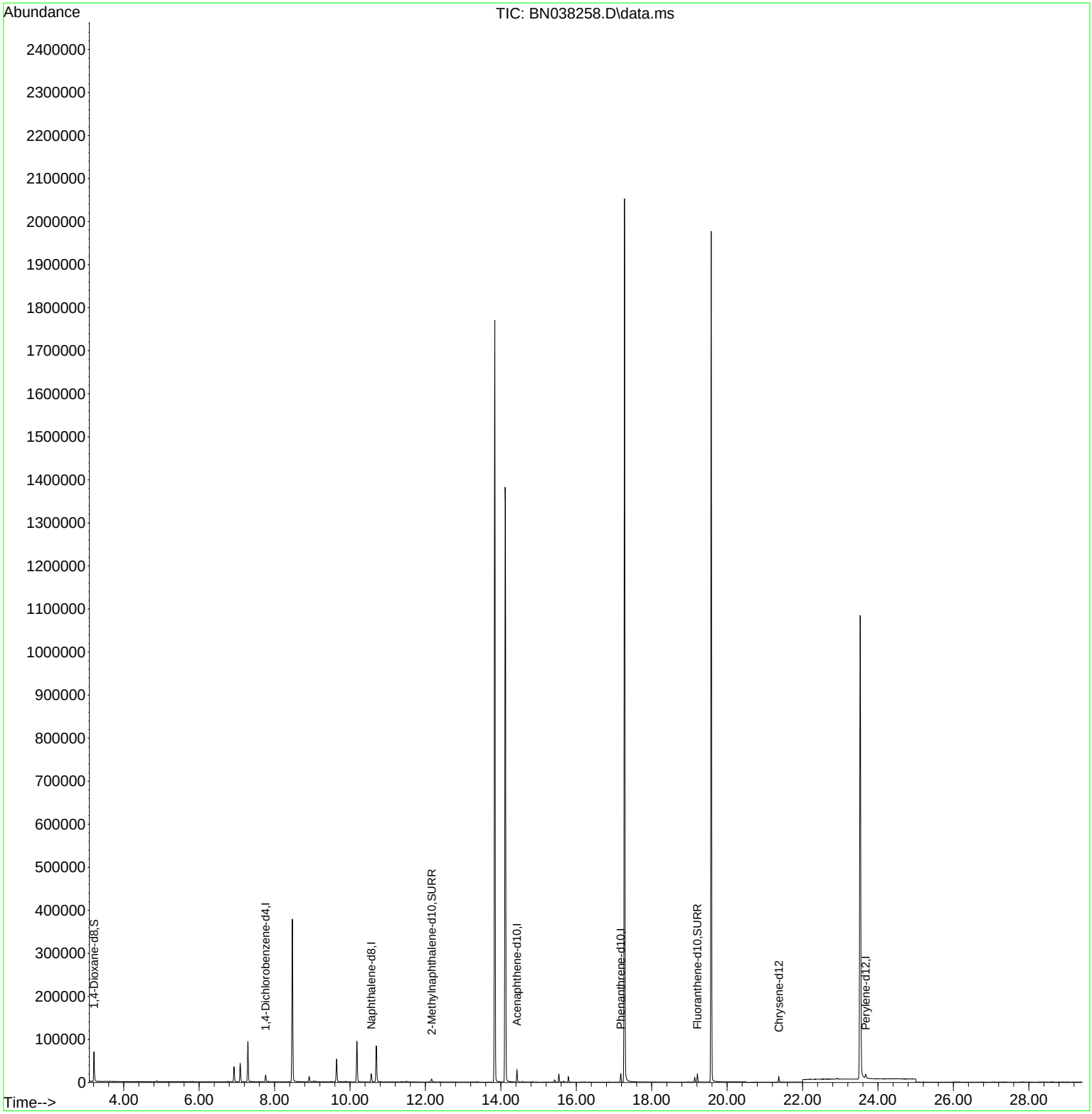
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM

Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7837	0.400	ng/ul	0.00
4) Naphthalene-d8	10.567	136	25843	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.427	164	14782	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.183	188	23275m	0.400	ng/ul	0.00
17) Chrysene-d12	21.372	240	11802m	0.400	ng/ul	0.00
23) Perylene-d12	23.675	264	9757m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	43456	5.285	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.167	152	9680	0.263	ng/ul	0.00
18) Fluoranthene-d10	19.210	212	20137m	0.439	ng/ul	0.00
Target Compounds						Qvalue

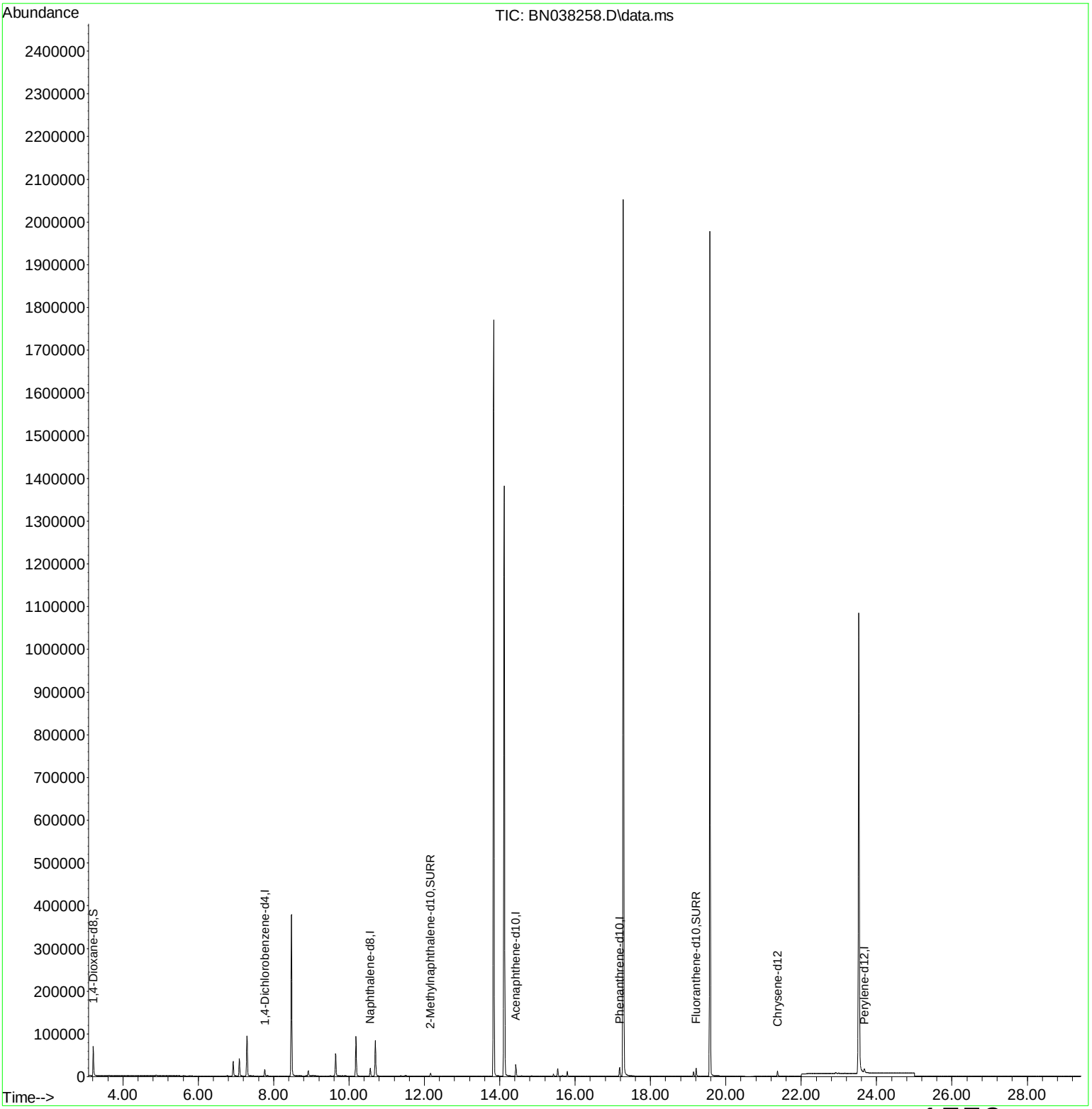
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM



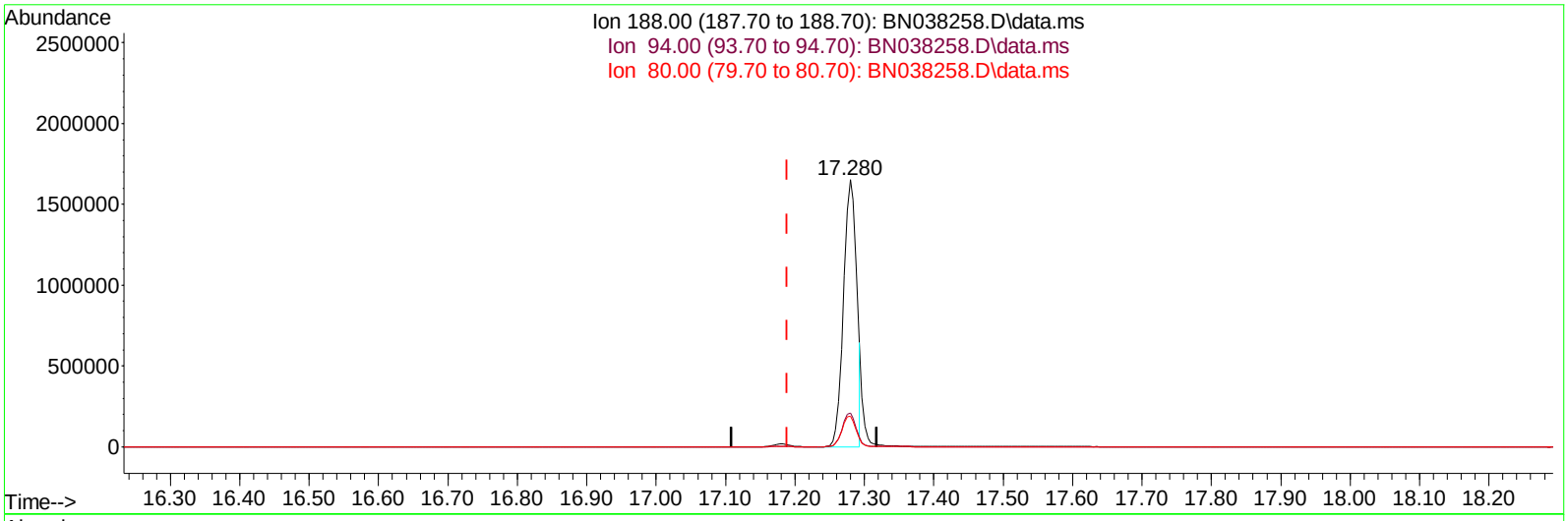
Quantitation Report (Qedit)

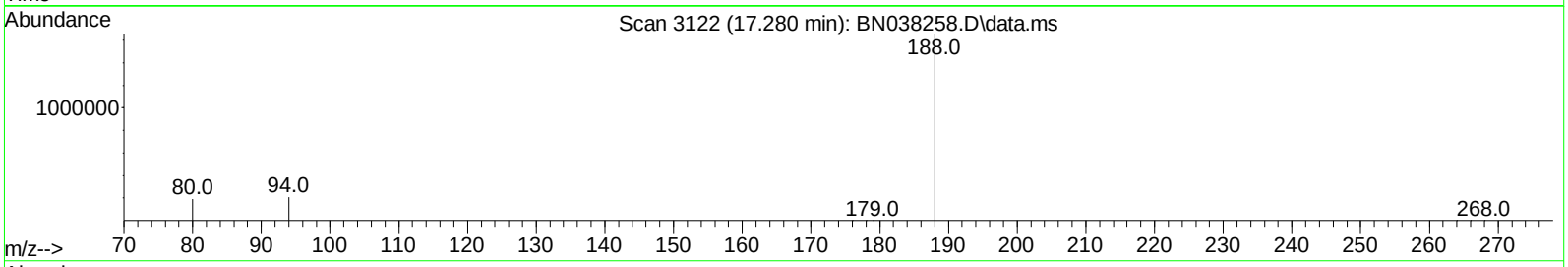
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

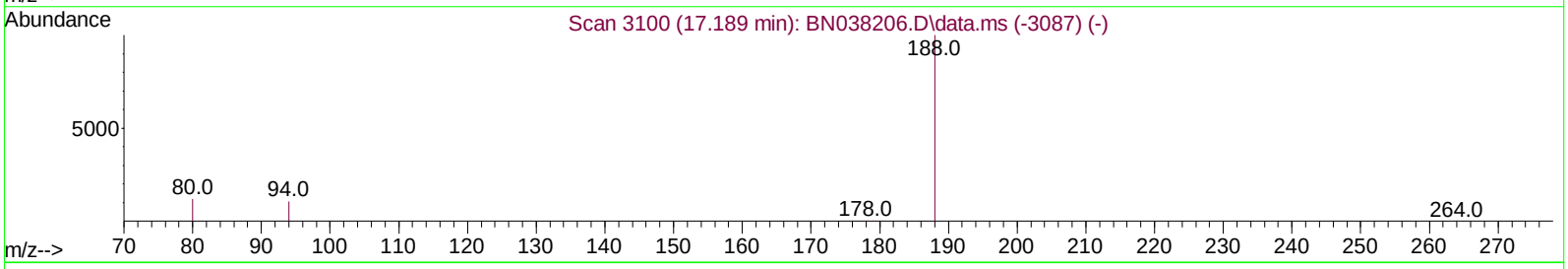
Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM







TIC: BN038258.D\data.ms

(13) Phenanthrene-d10 (I)

17.280min (+ 0.091) 0.40 ng/ul

response 2150522

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.59
80.00	12.20	11.54
0.00	0.00	0.00

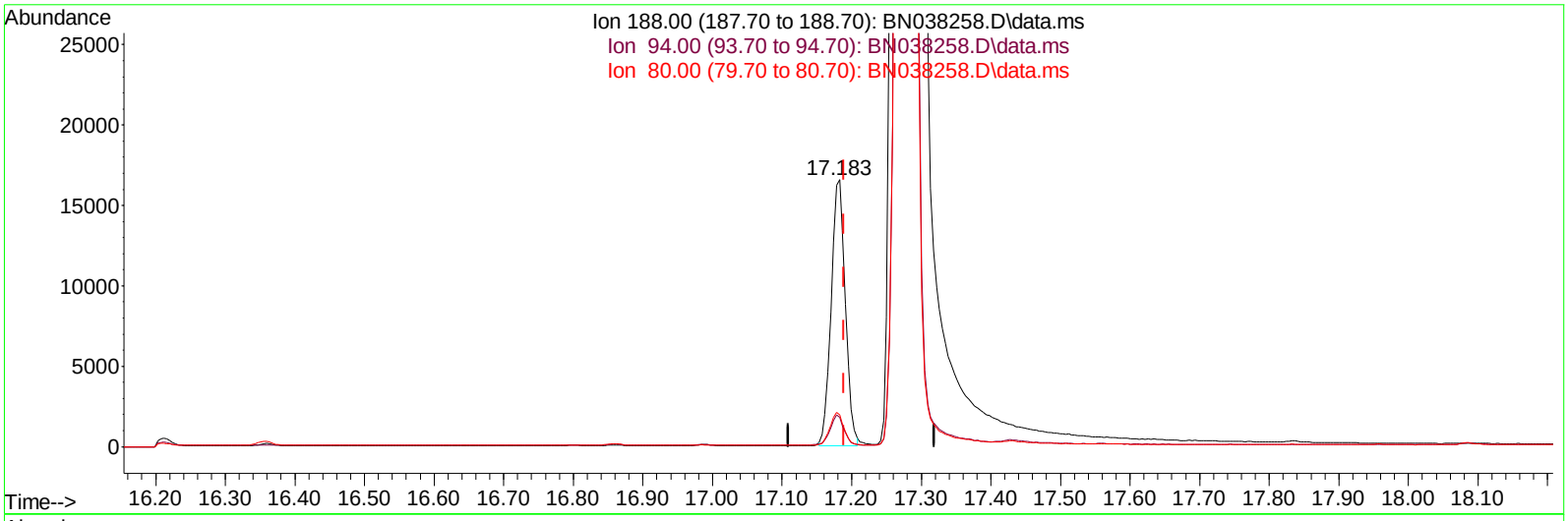
Quantitation Report (Qedit)

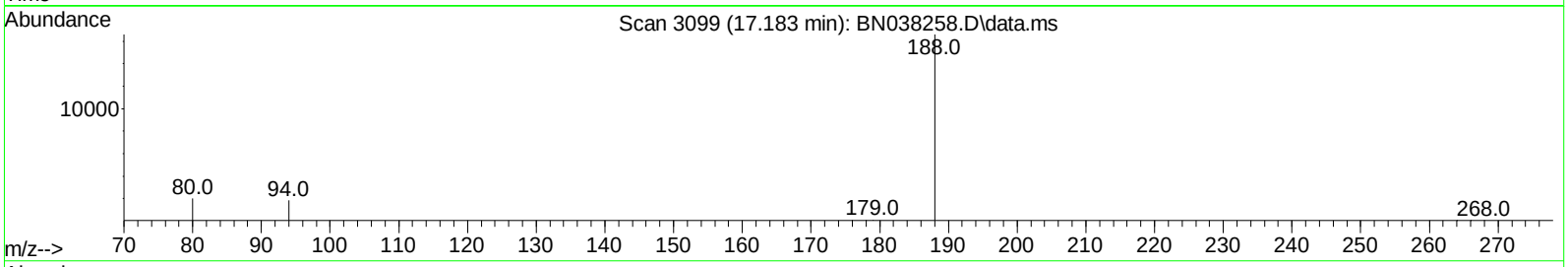
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

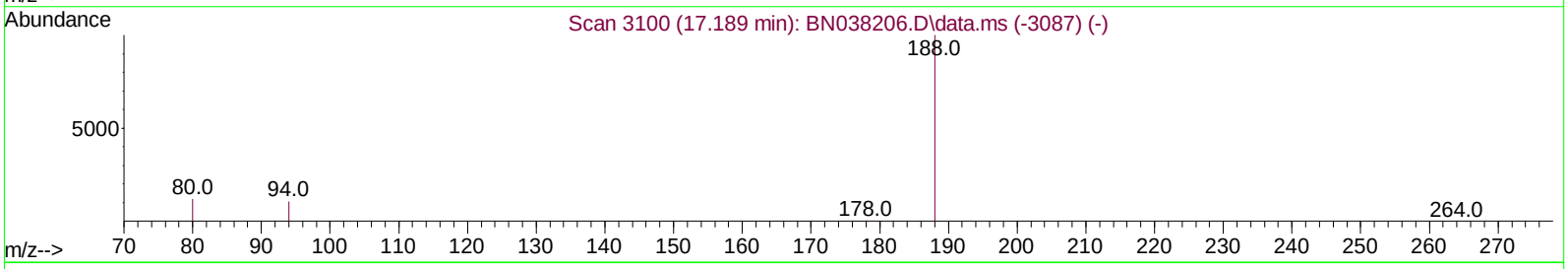
Quant Time: Dec 03 00:49:05 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM







TIC: BN038258.D\data.ms

(13) Phenanthrene-d10 (I)

17.183min (-0.006) 0.40 ng/ul m

response 23275

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.08
80.00	12.20	11.99
0.00	0.00	0.00

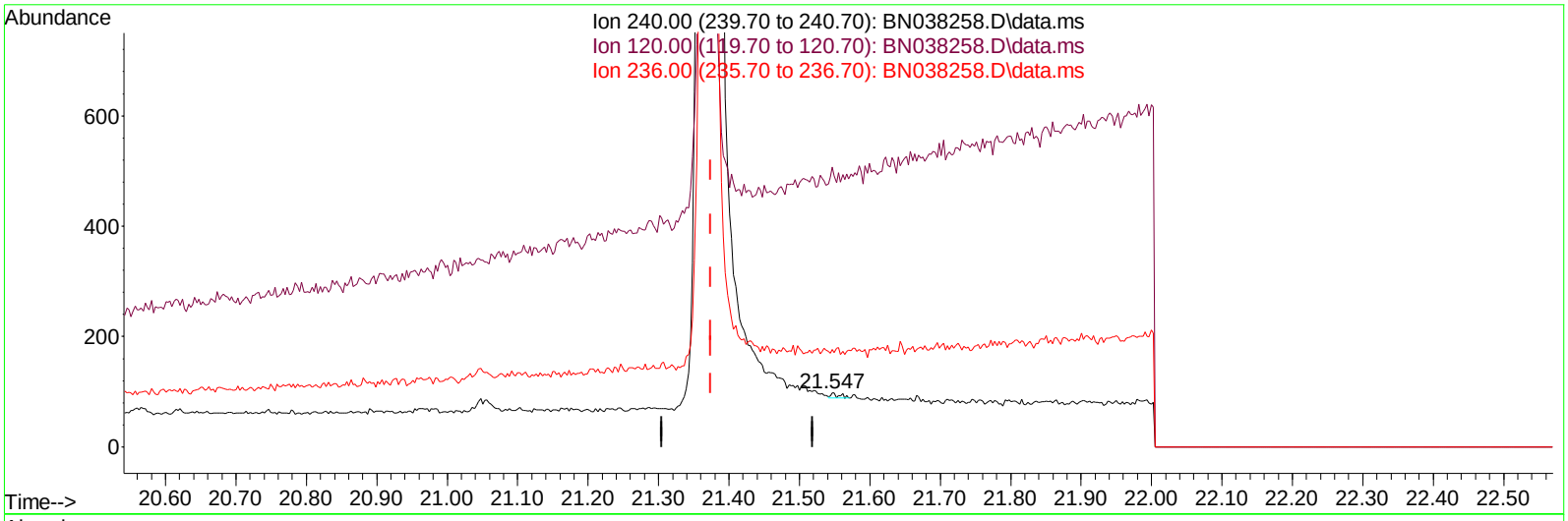
Quantitation Report (Qedit)

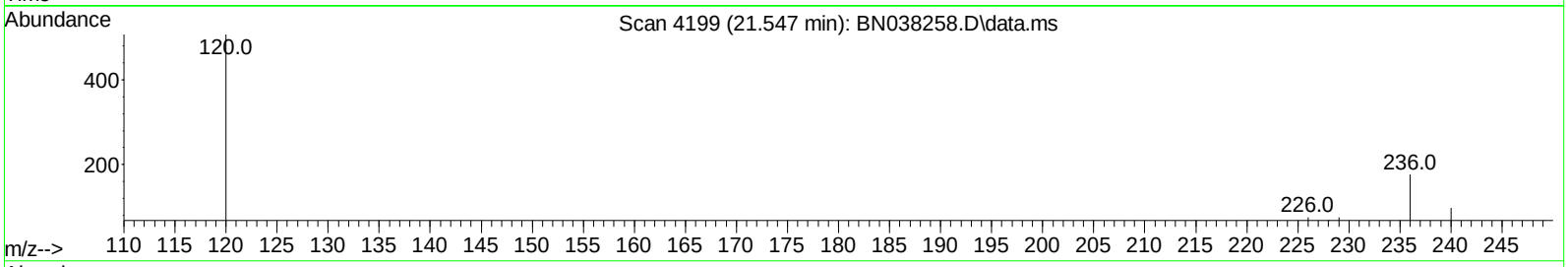
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

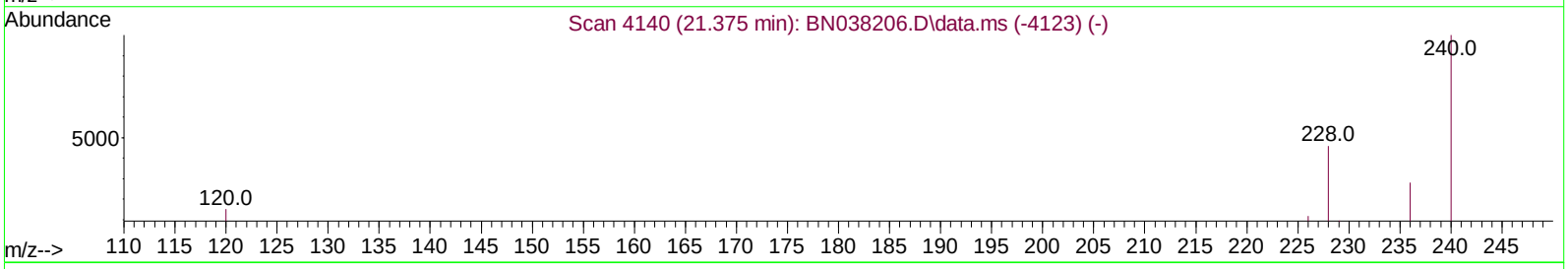
Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM







TIC: BN038258.D\data.ms

(17) Chrysene-d12

21.547min (+ 0.172) 0.40 ng/ul

response 7

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	517.35#
236.00	29.60	180.61#
0.00	0.00	0.00

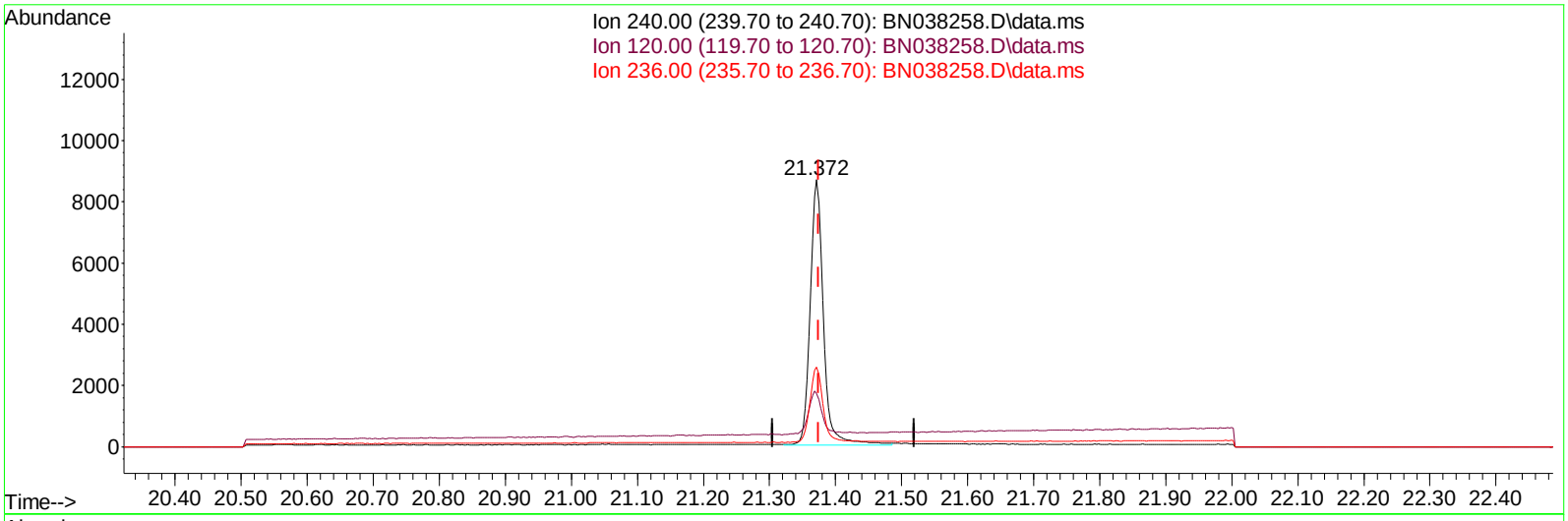
Quantitation Report (Qedit)

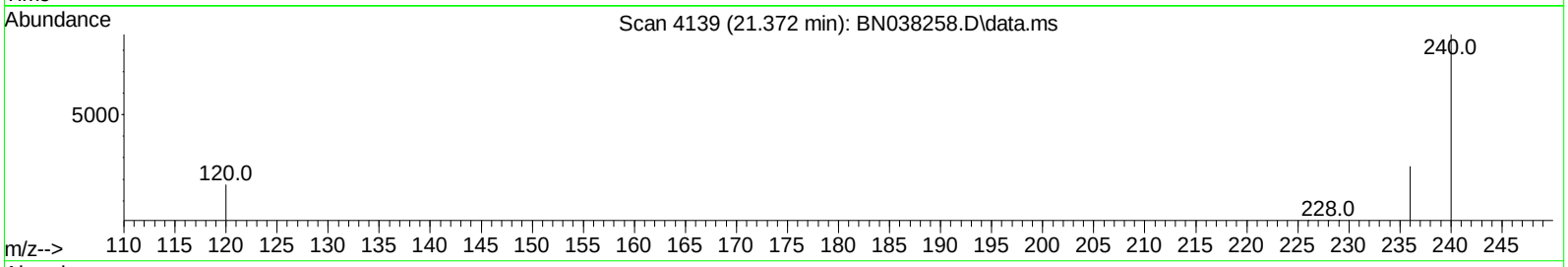
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Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

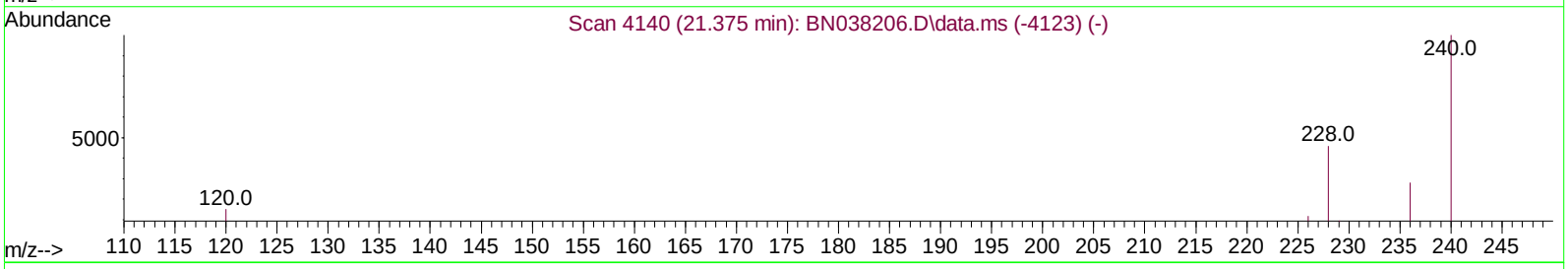
Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM







TIC: BN038258.D\data.ms

(17) Chrysene-d12

21.372min (-0.003) 0.40 ng/ul m

response 11802

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	20.05
236.00	29.60	29.84
0.00	0.00	0.00

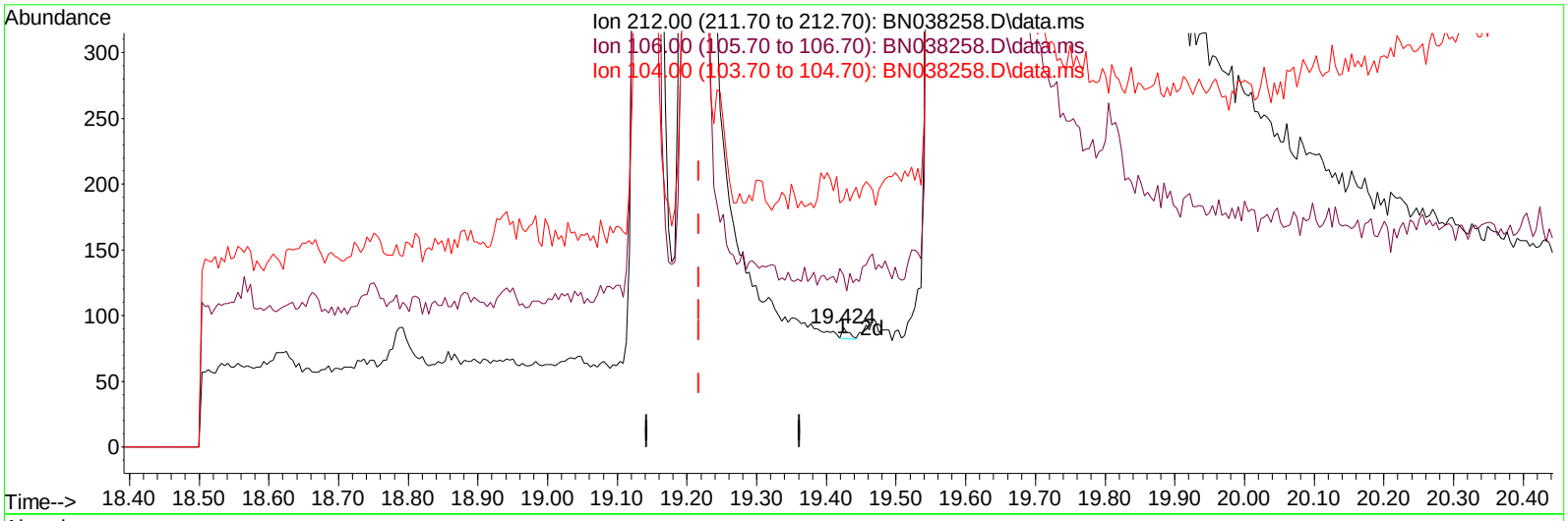
Quantitation Report (Qedit)

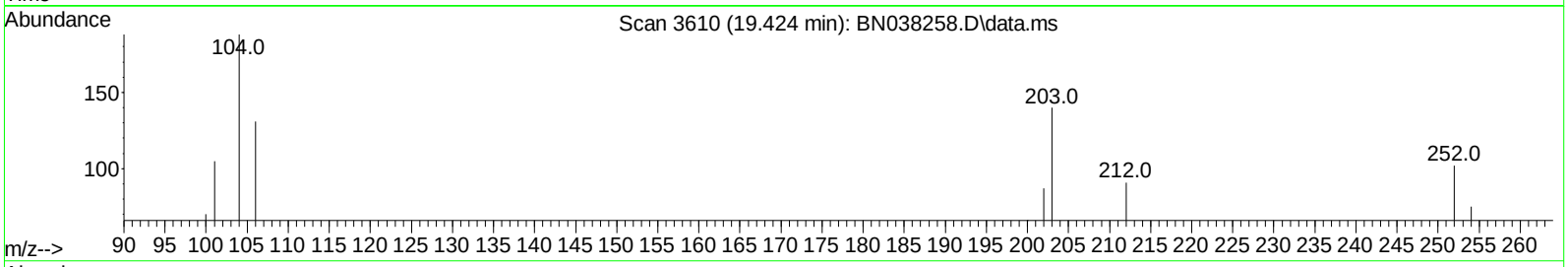
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Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

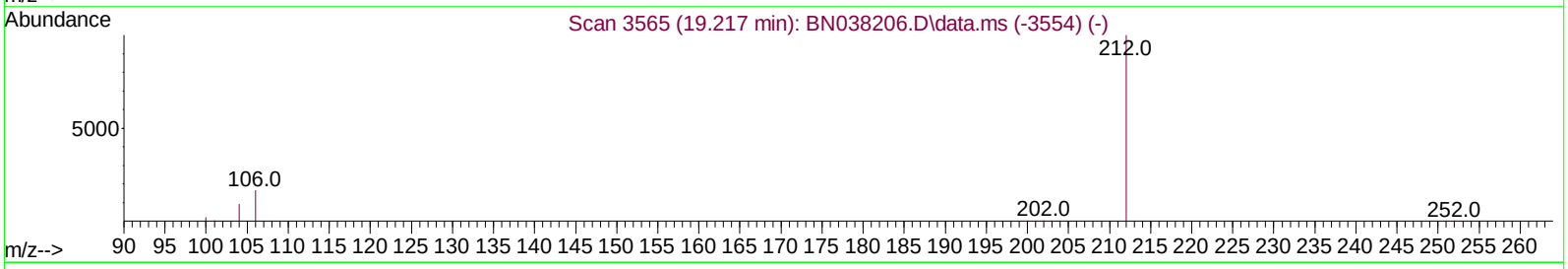
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM







TIC: BN038258.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.424min (+ 0.207) 0.00 ng/ul

response 5

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	100.00#
104.00	9.20	100.00#
0.00	0.00	0.00

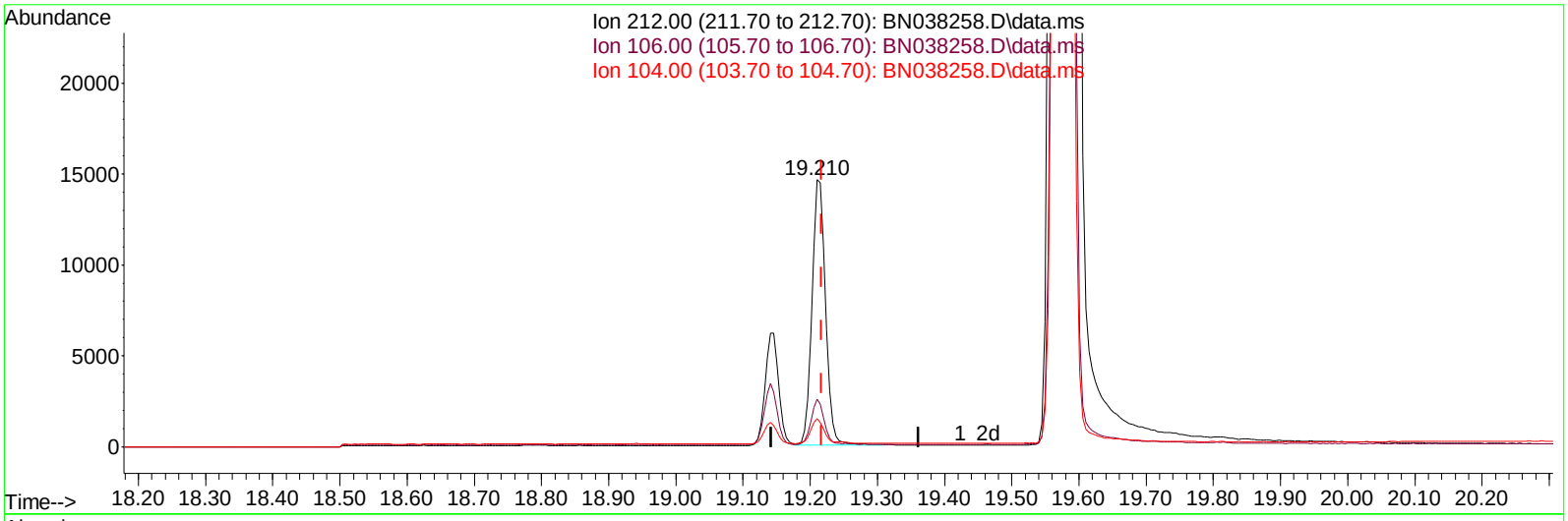
Quantitation Report (Qedit)

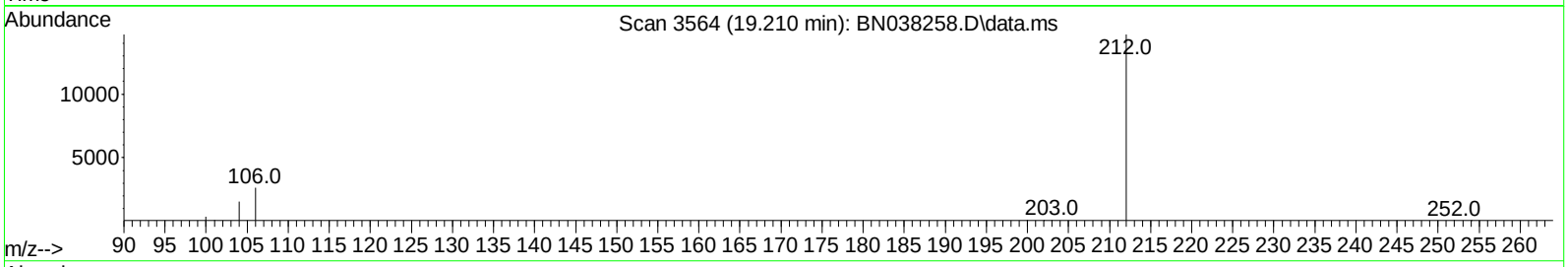
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

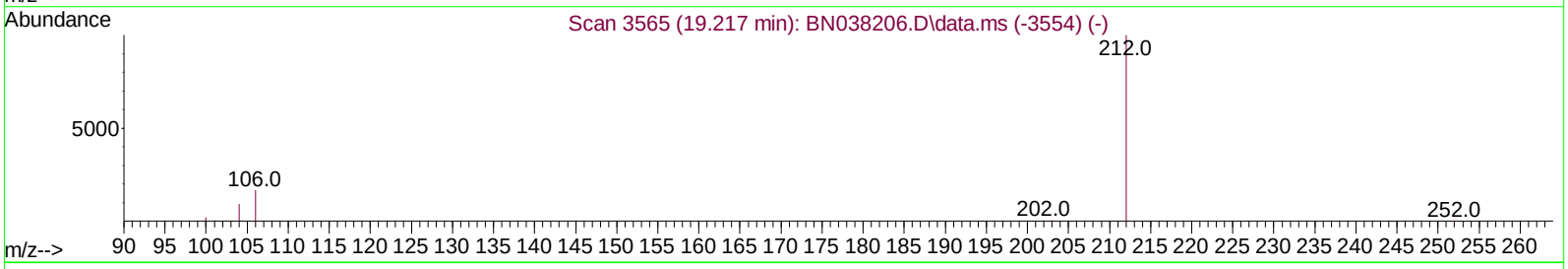
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM







TIC: BN038258.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.210min (-0.007) 0.44 ng/ul m

response 20137

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.02#
104.00	9.20	0.02#
0.00	0.00	0.00

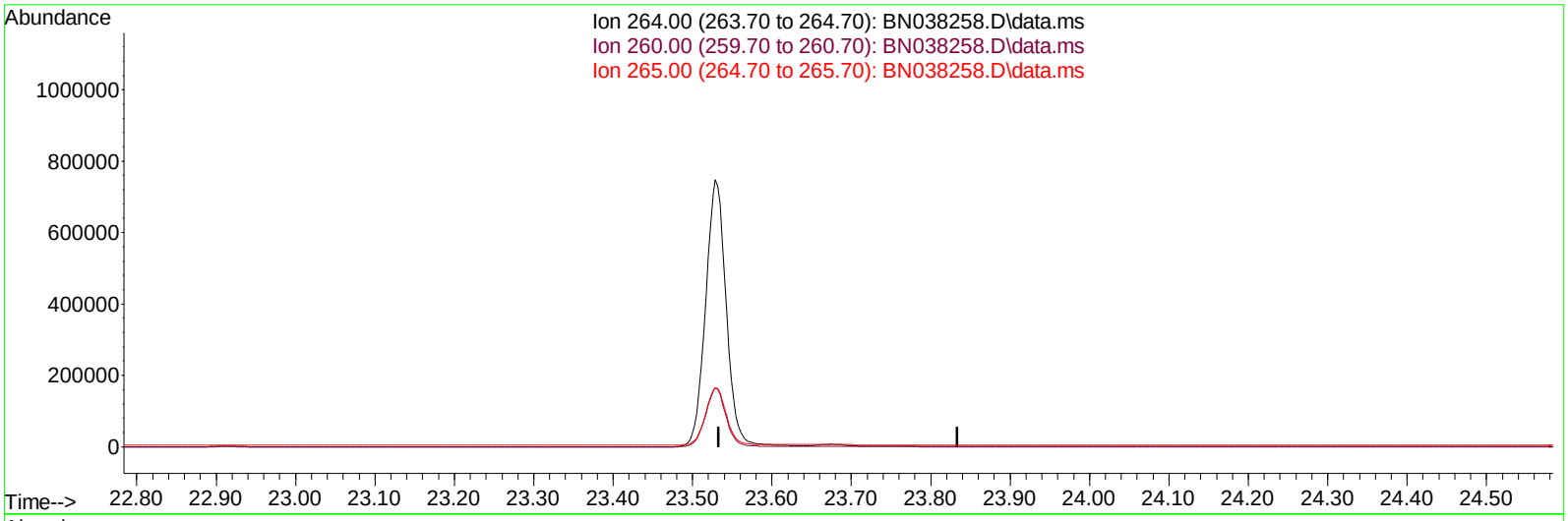
Quantitation Report (Qedit)

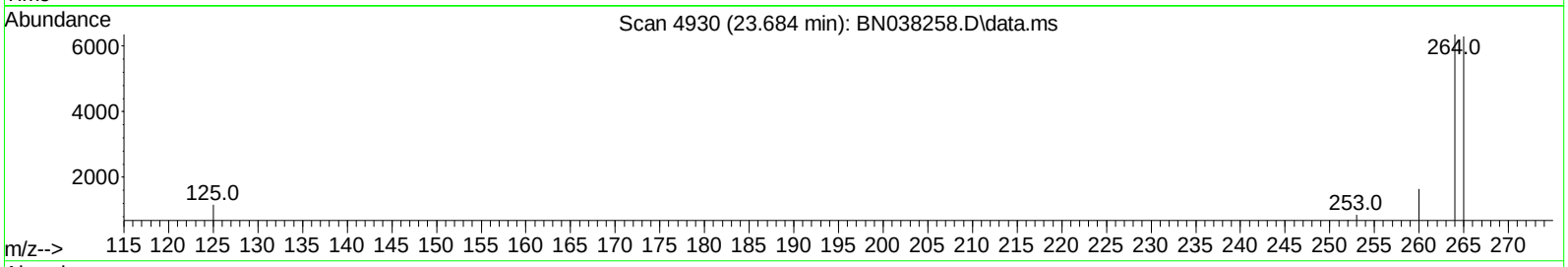
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Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

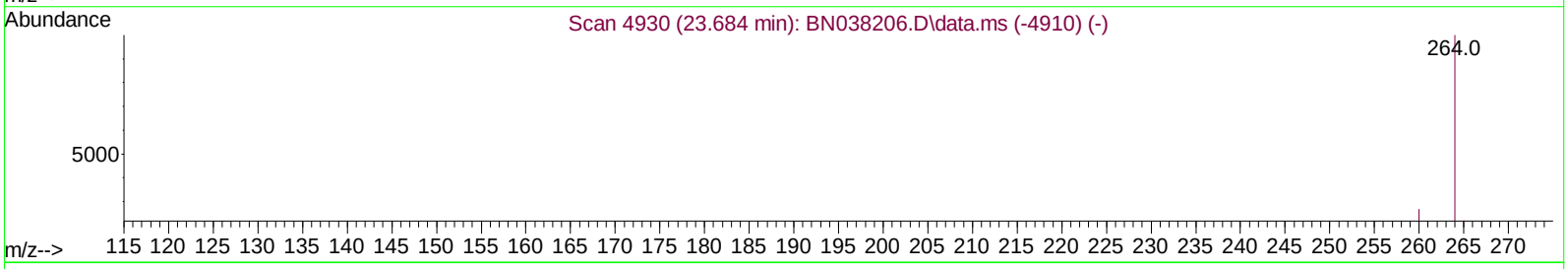
Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM







TIC: BN038258.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

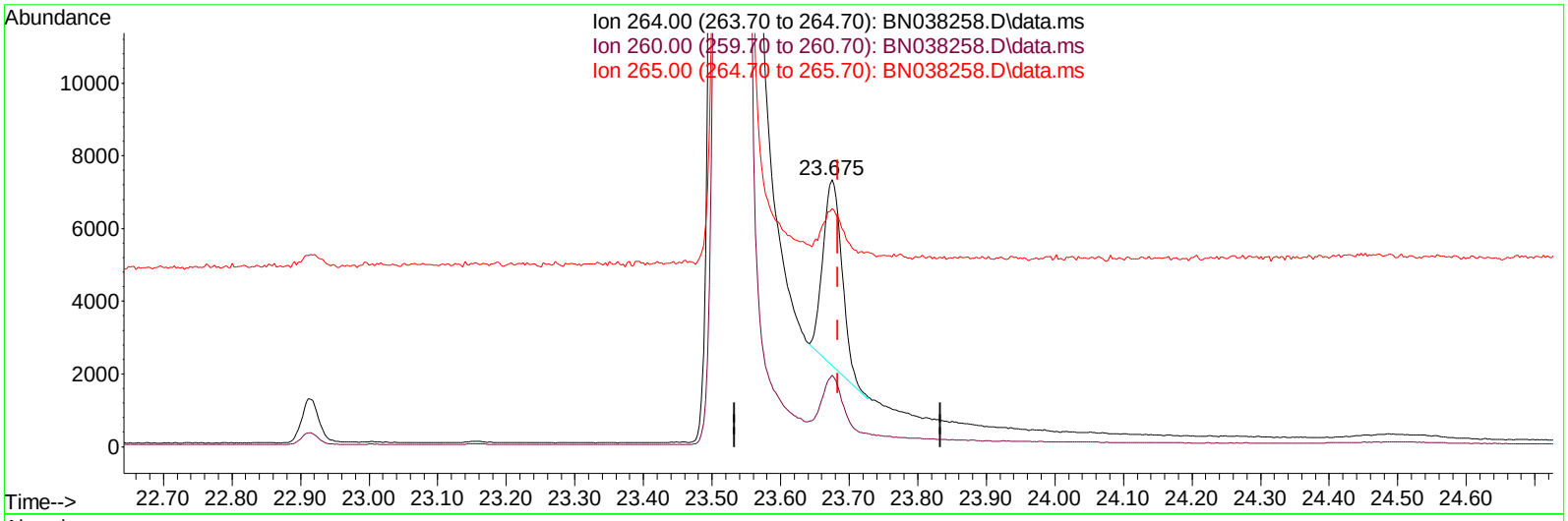
Quantitation Report (Qedit)

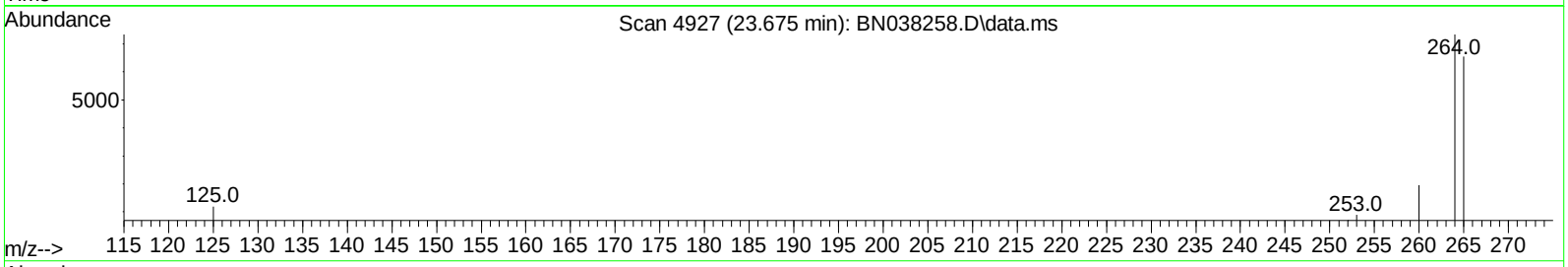
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Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

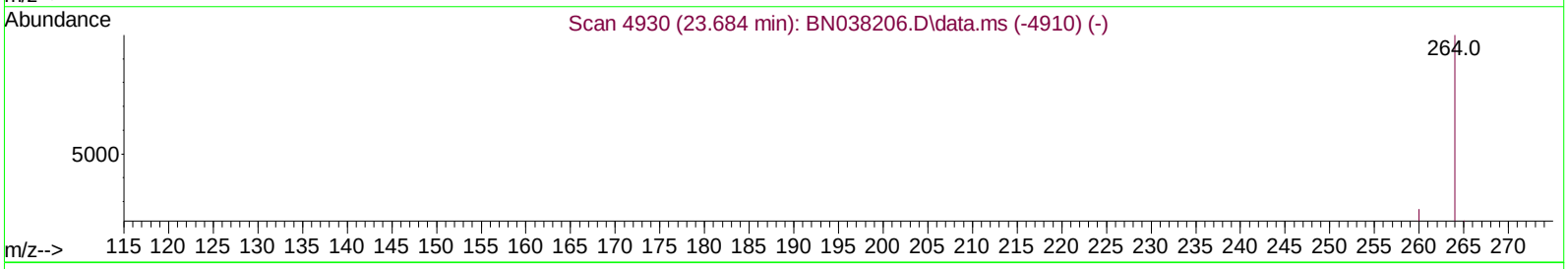
Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM







TIC: BN038258.D\data.ms

(23) Perylene-d12 (I)

23.675min (-0.009) 0.40 ng/ul m

response 9757

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.69
265.00	124.40	89.25#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038258.D
Acq On : 02 Dec 2025 17:02
Operator : RC/JU
Sample : Q3688-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-31I

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:21 PM

Quant Time: Dec 03 00:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7837	0.400	ng/ul	0.00
4) Naphthalene-d8	10.567	136	25843	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.427	164	14782	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.183	188	23275m	0.400	ng/ul	0.00
17) Chrysene-d12	21.372	240	11802m	0.400	ng/ul	0.00
23) Perylene-d12	23.675	264	9757m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	43456	5.285	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.167	152	9680	0.263	ng/ul	0.00
18) Fluoranthene-d10	19.210	212	20137m	0.439	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-01
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038253.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

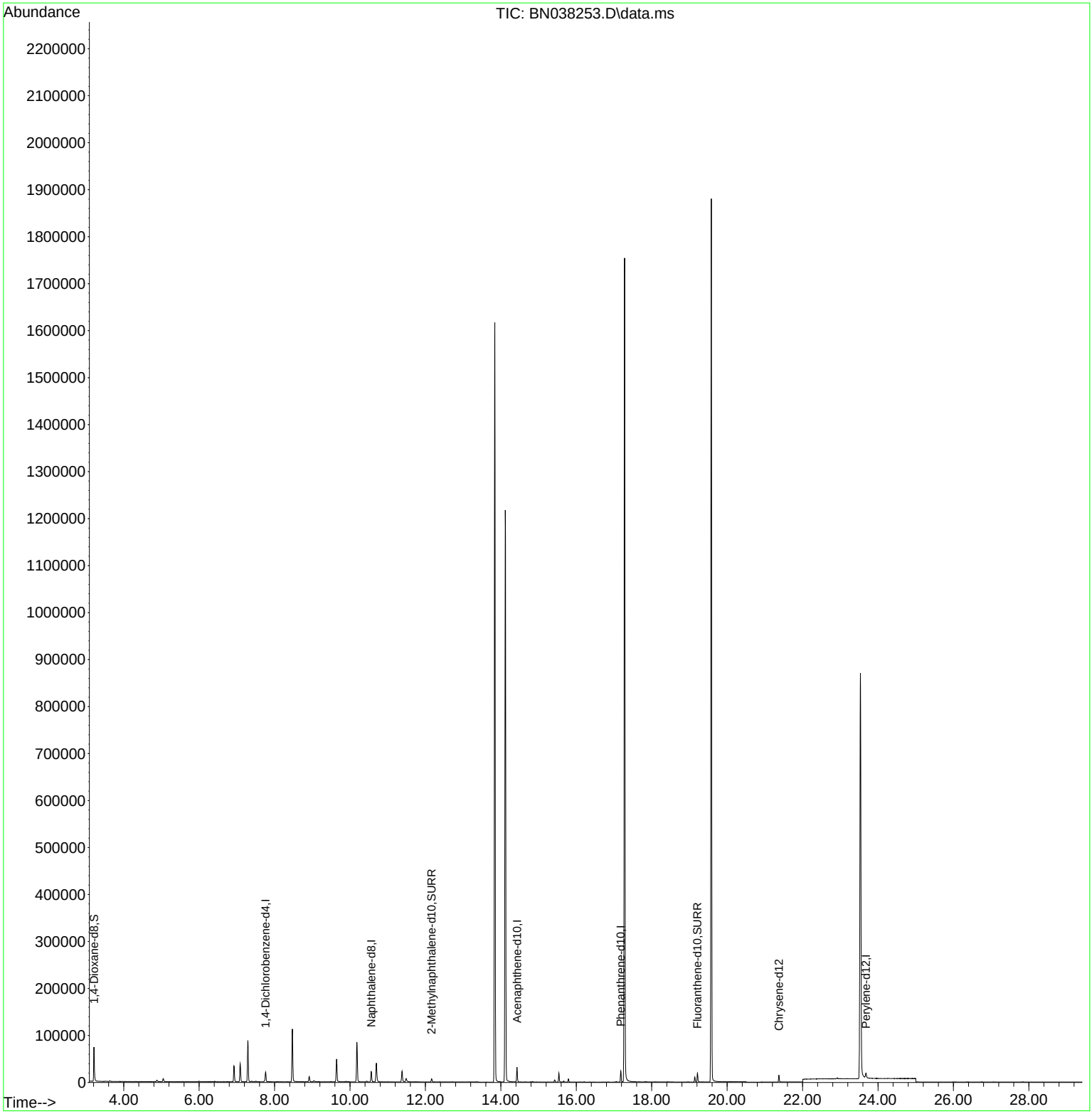
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 03 00:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM

Quant Time: Dec 03 00:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	10366	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	29497	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	16581	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	27429m	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	13931m	0.400	ng/ul	0.00
23) Perylene-d12	23.680	264	11873m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	46568	4.281	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	9053	0.215	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	20309m	0.375	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

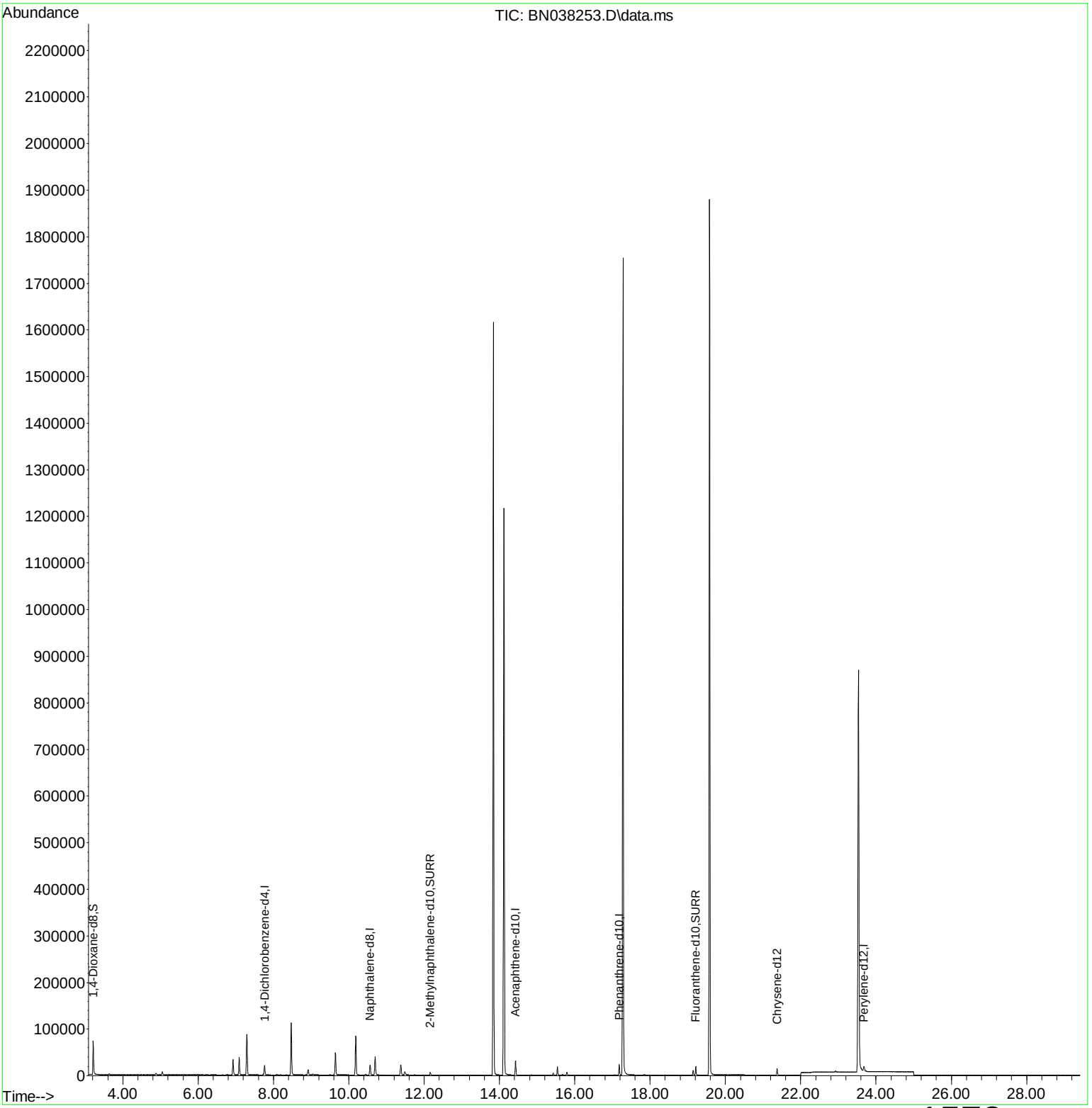
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 03 00:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM



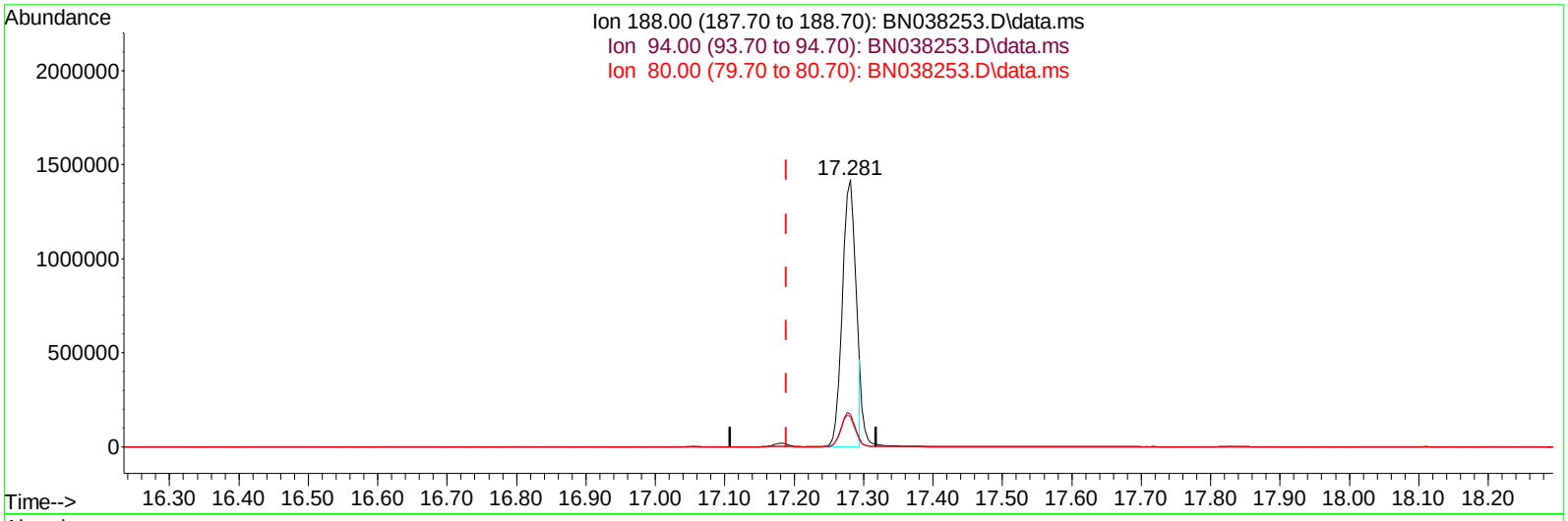
Quantitation Report (Qedit)

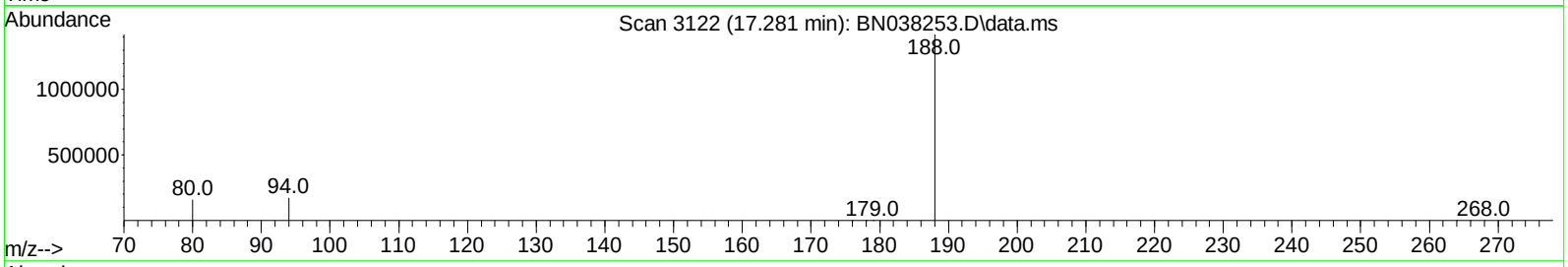
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Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

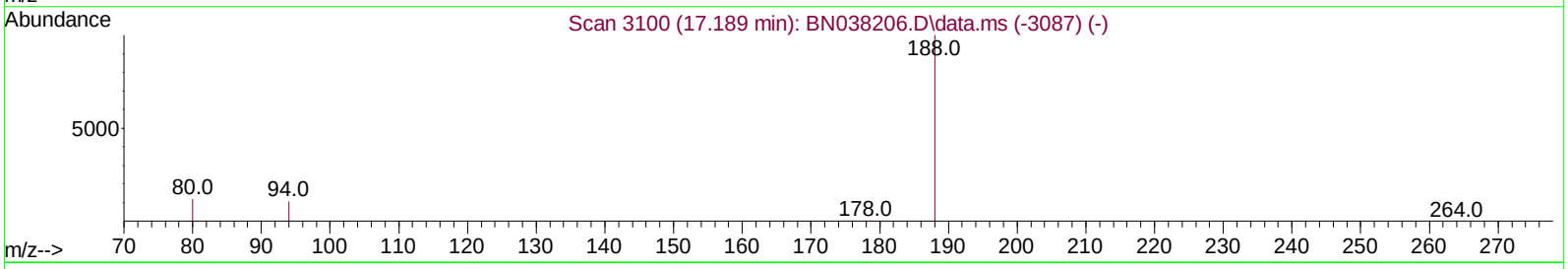
Quant Time: Dec 03 00:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM







TIC: BN038253.D\data.ms

(13) Phenanthrene-d10 (I)

17.281min (+ 0.092) 0.40 ng/ul

response 1905409

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.28
80.00	12.20	11.13
0.00	0.00	0.00

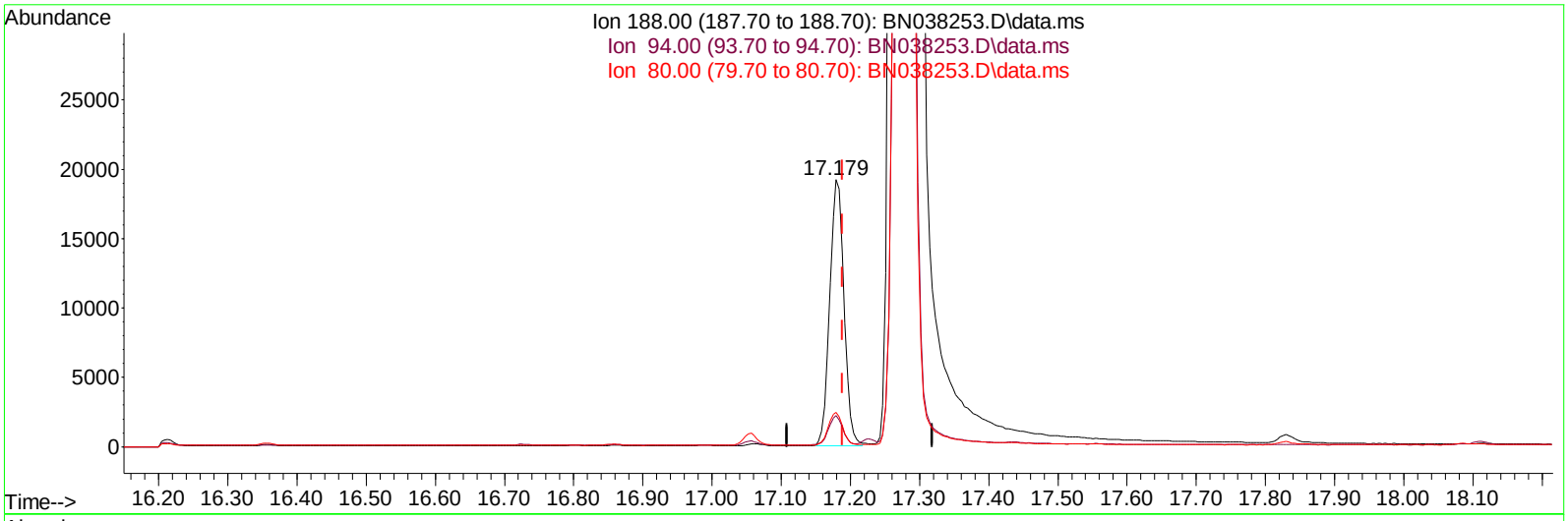
Quantitation Report (Qedit)

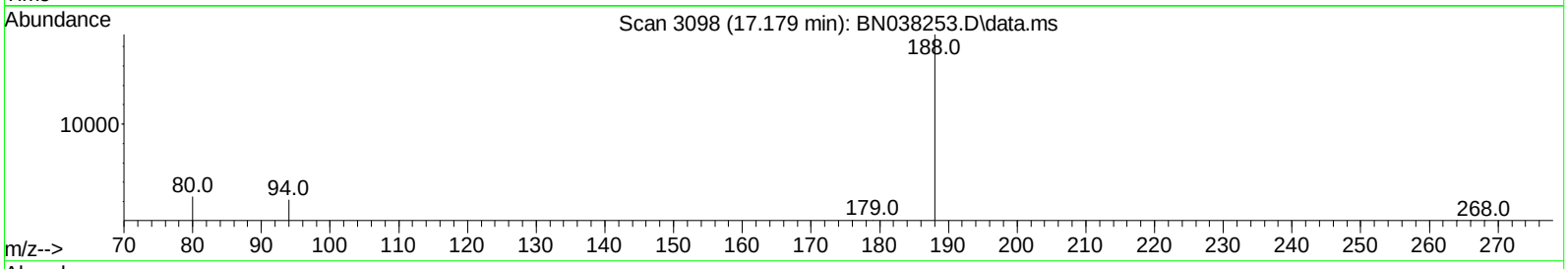
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

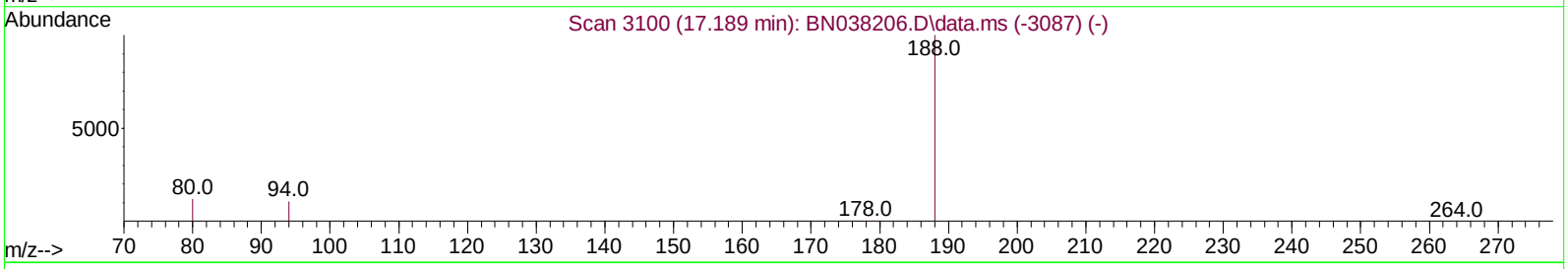
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM







TIC: BN038253.D\data.ms

(13) Phenanthrene-d10 (I)

17.179min (-0.009) 0.40 ng/ul m

response 27429

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.58
80.00	12.20	12.98
0.00	0.00	0.00

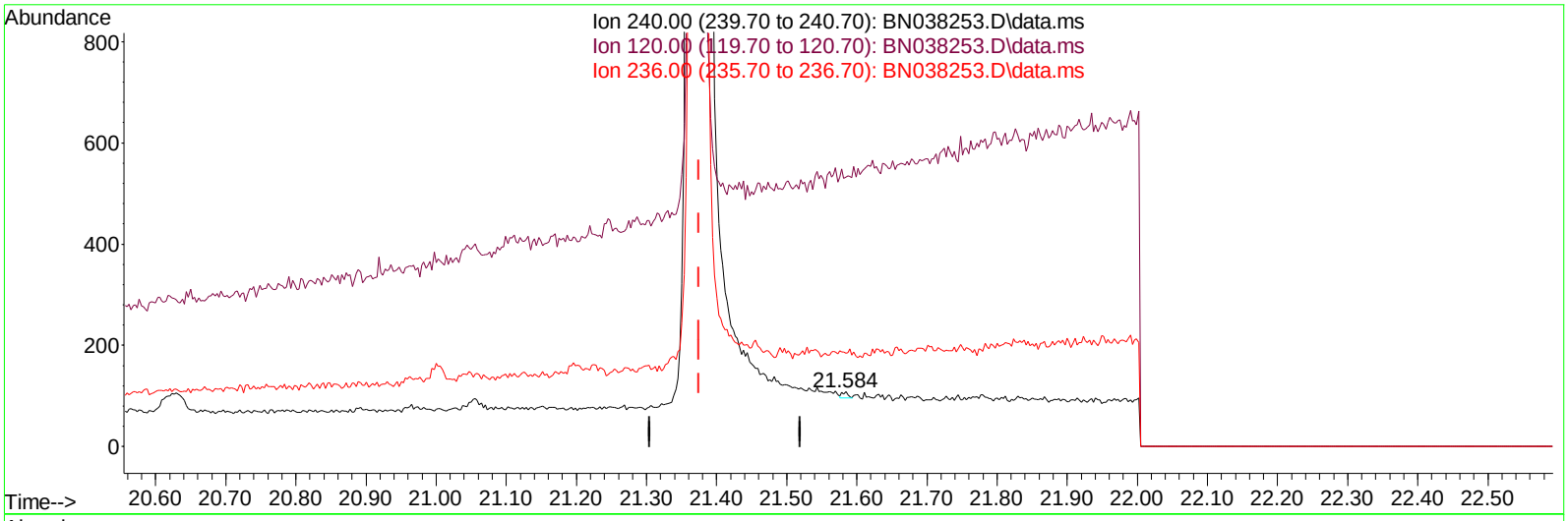
Quantitation Report (Qedit)

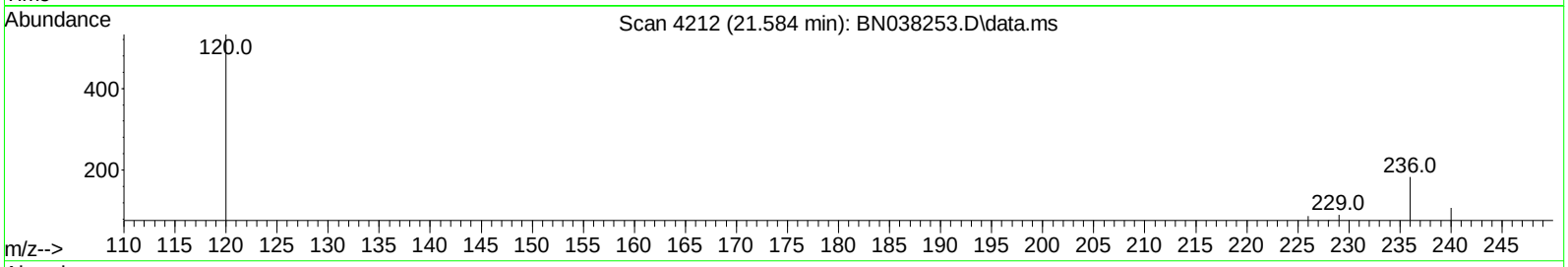
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

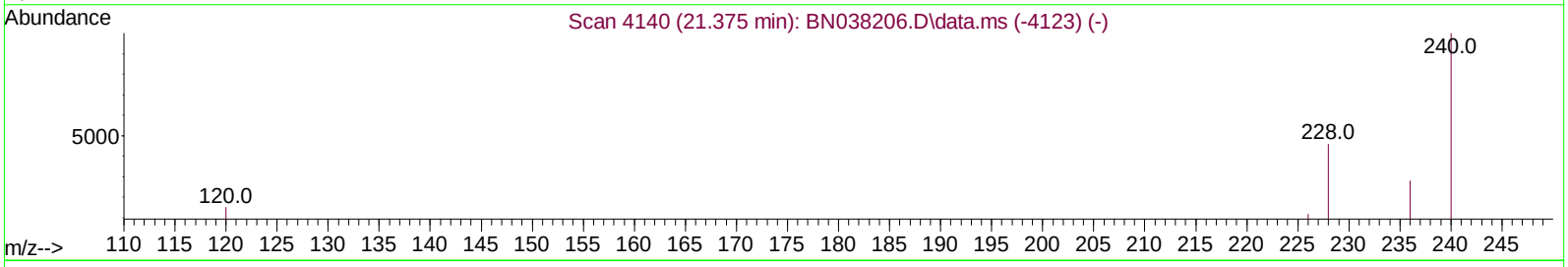
Quant Time: Dec 03 00:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM







TIC: BN038253.D\data.ms

(17) Chrysene-d12

21.584min (+ 0.209) 0.40 ng/ul

response 7

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	492.59#
236.00	29.60	170.37#
0.00	0.00	0.00

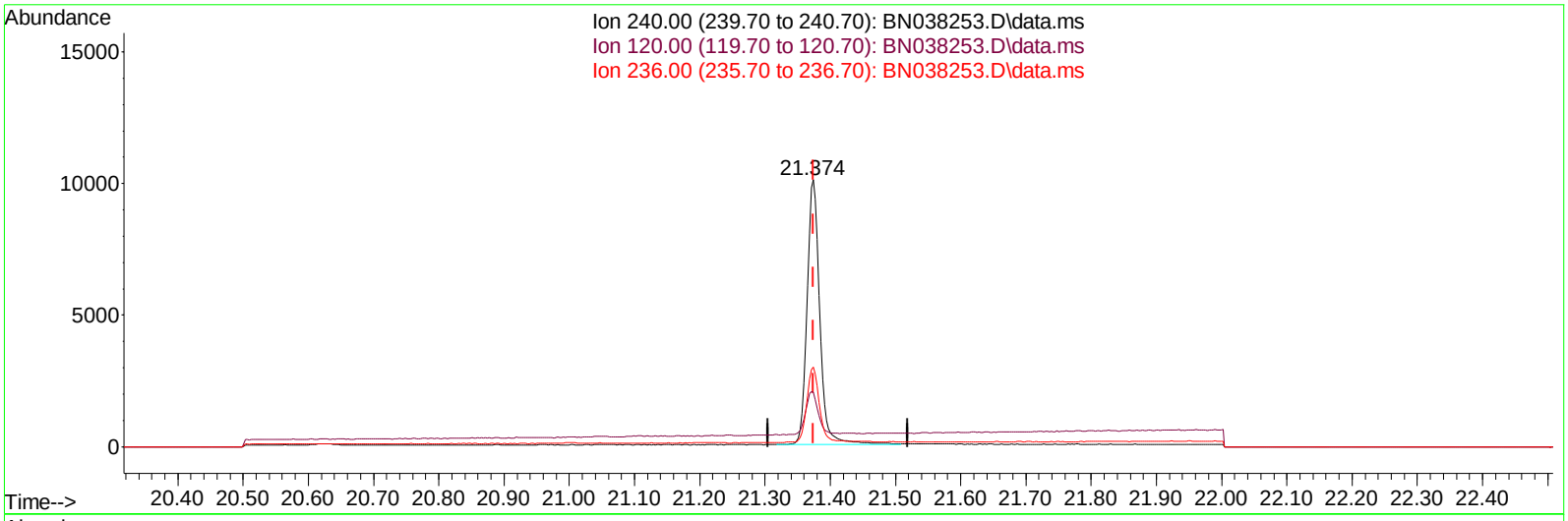
Quantitation Report (Qedit)

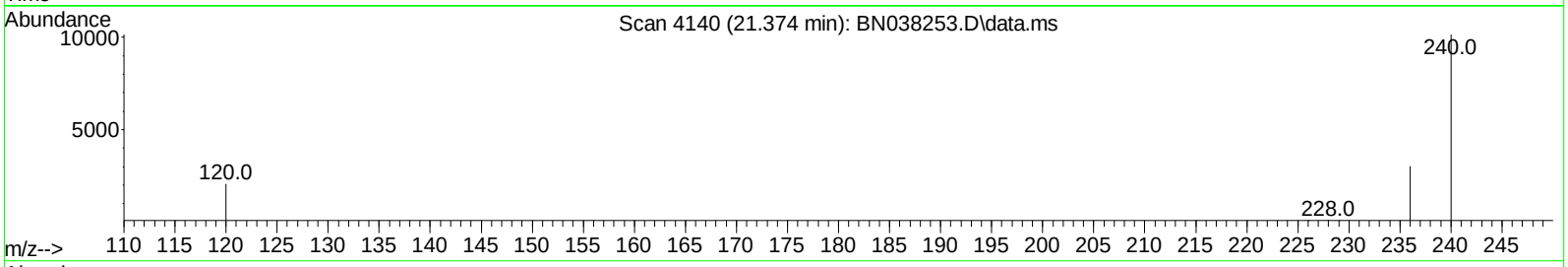
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Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

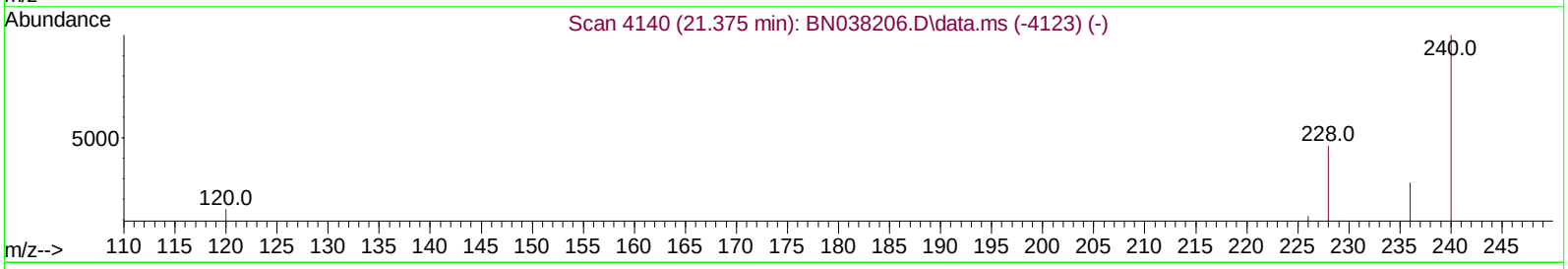
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM







TIC: BN038253.D\data.ms

(17) Chrysene-d12

21.374min (-0.001) 0.40 ng/ul m

response 13931

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	20.30
236.00	29.60	29.86
0.00	0.00	0.00

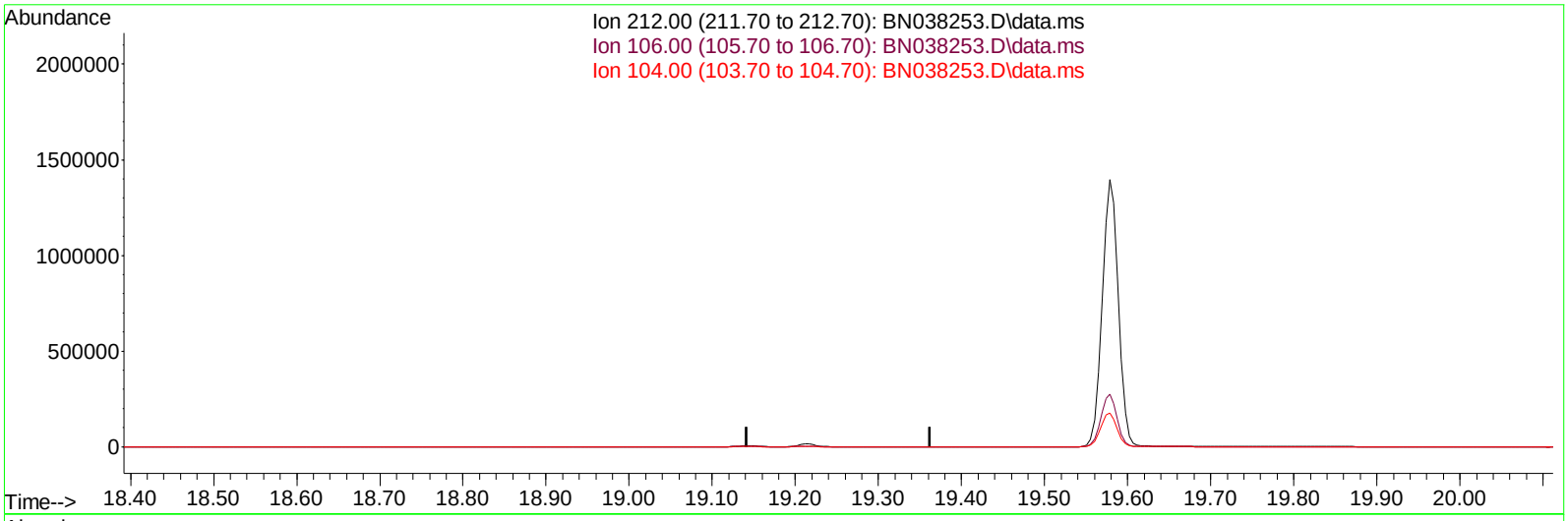
Quantitation Report (Qedit)

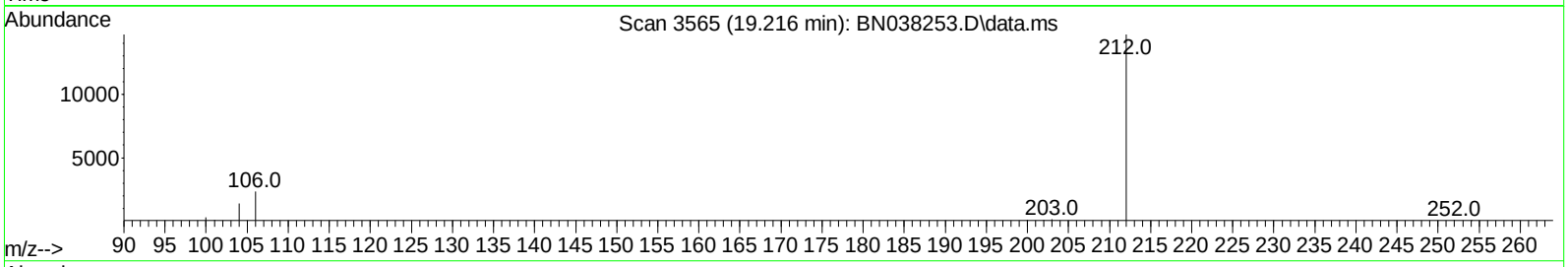
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Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

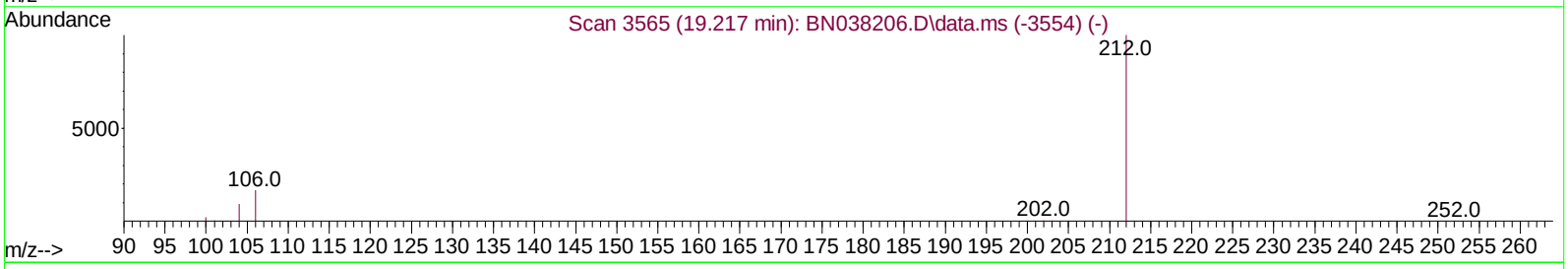
Quant Time: Dec 03 00:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM







TIC: BN038253.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.217min (-19.217) 0.00 ng/ul

response 0

Ion	Exp%	Act%
212.00	100.00	0.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

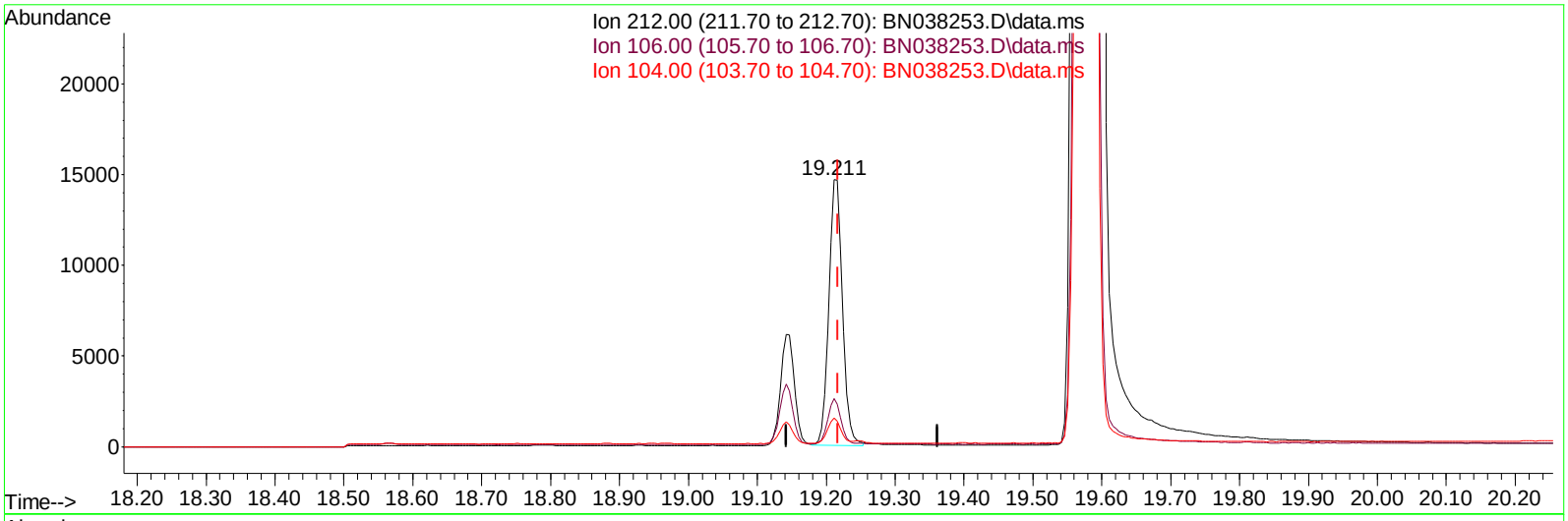
Quantitation Report (Qedit)

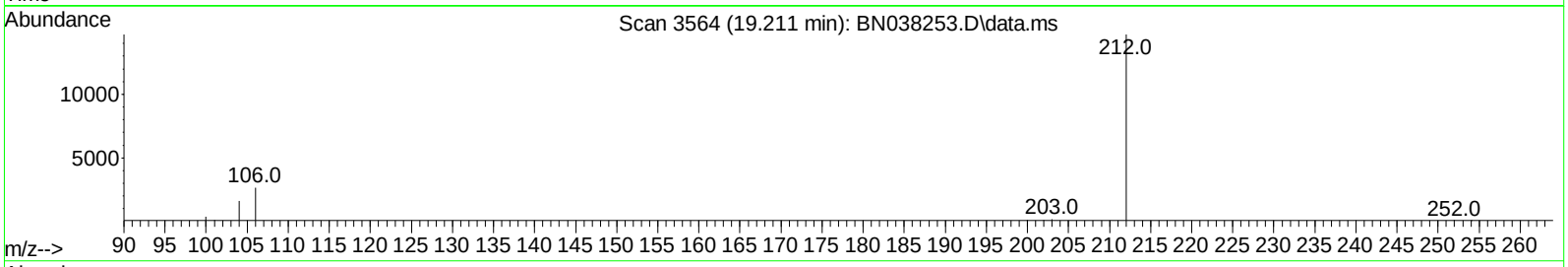
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

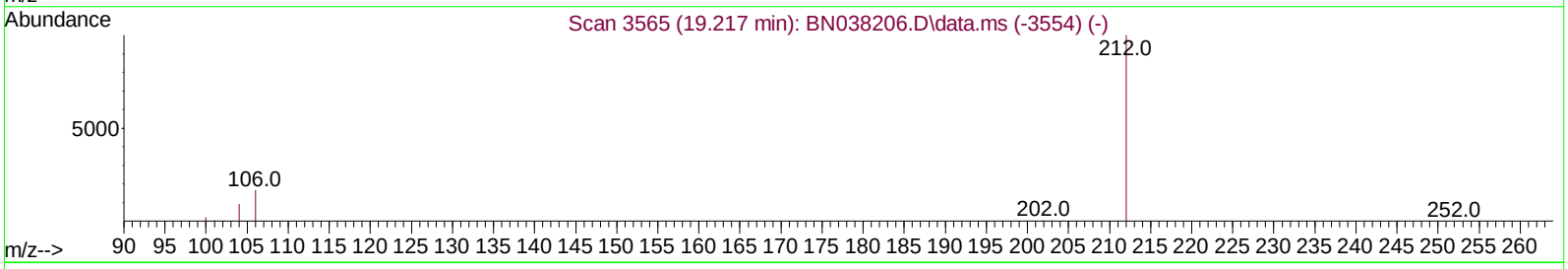
Quant Time: Dec 03 00:28:15 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM







TIC: BN038253.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.211min (-0.006) 0.38 ng/ul m

response 20309

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

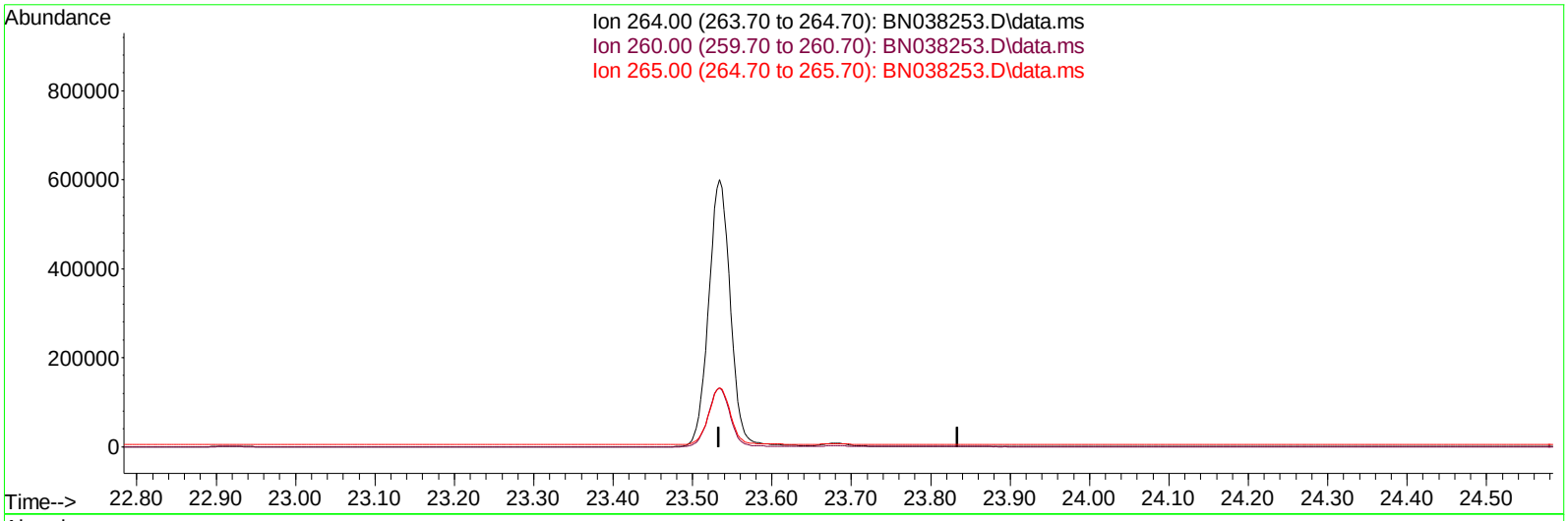
Quantitation Report (Qedit)

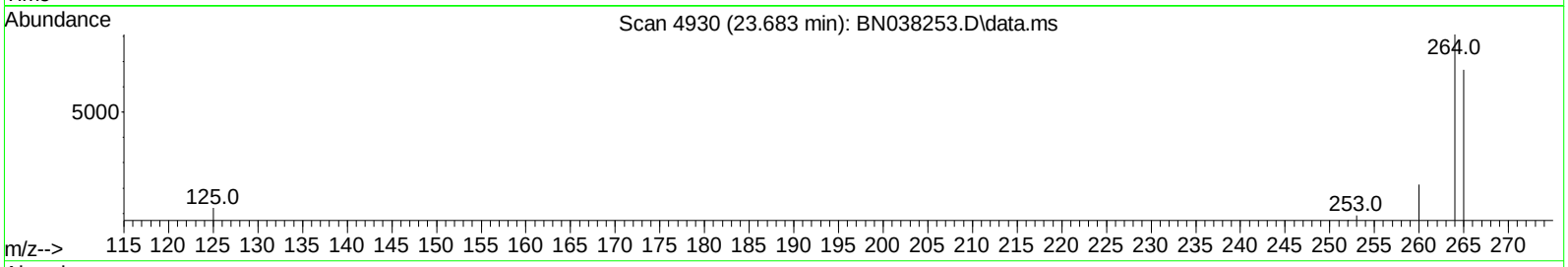
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Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

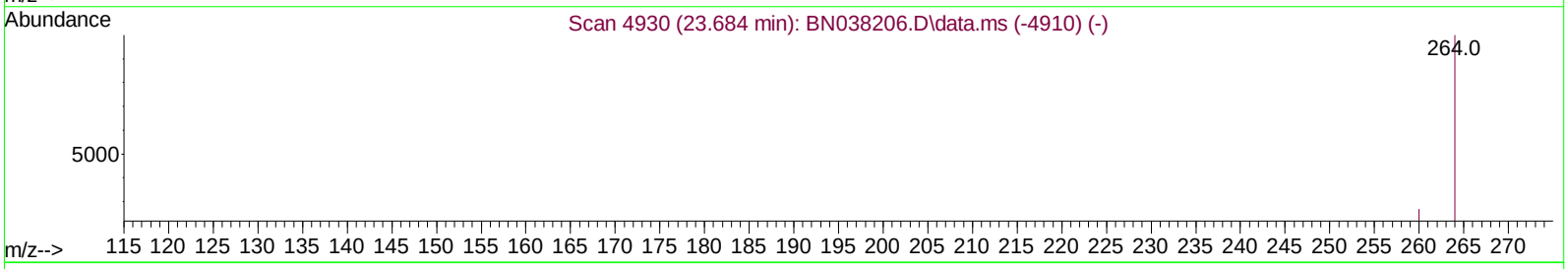
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM







TIC: BN038253.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

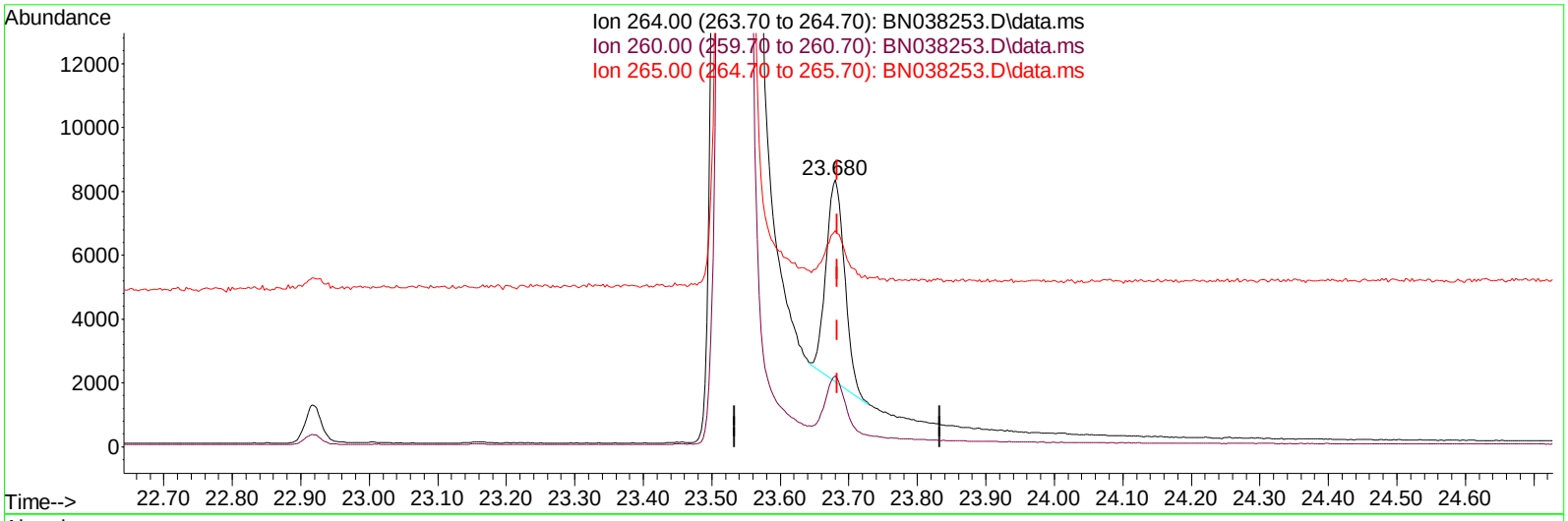
Quantitation Report (Qedit)

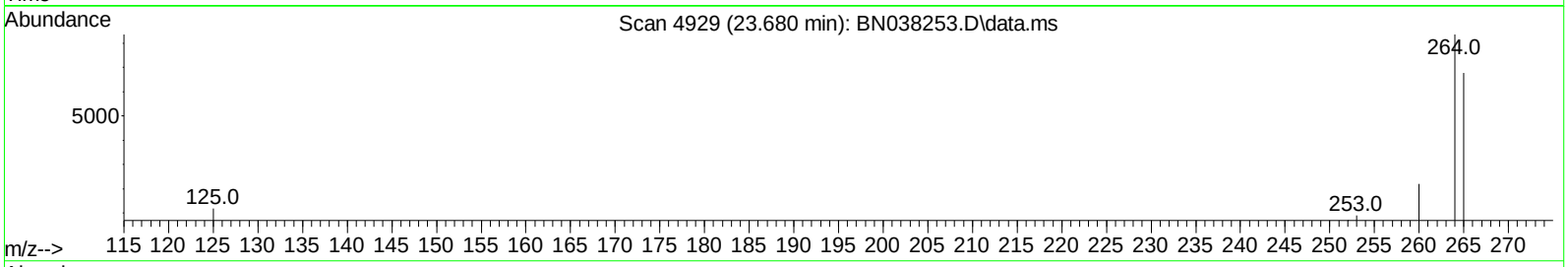
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

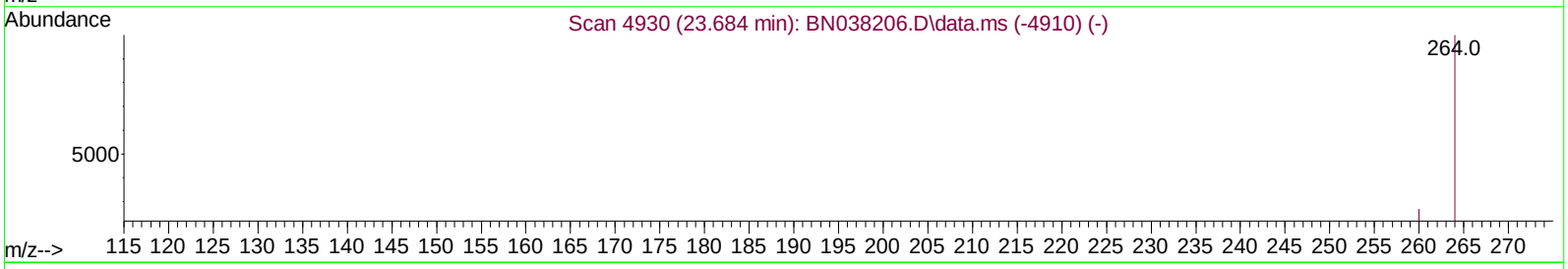
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM







TIC: BN038253.D\data.ms

(23) Perylene-d12 (I)

23.680min (-0.004) 0.40 ng/ul m

response 11873

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.53
265.00	124.40	81.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038253.D
Acq On : 02 Dec 2025 14:00
Operator : RC/JU
Sample : Q3688-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-31S

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:39 PM

Quant Time: Dec 03 00:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	10366	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	29497	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	16581	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	27429m	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	13931m	0.400	ng/ul	0.00
23) Perylene-d12	23.680	264	11873m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	46568	4.281	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	9053	0.215	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	20309m	0.375	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32I

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-06
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038257.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 11 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

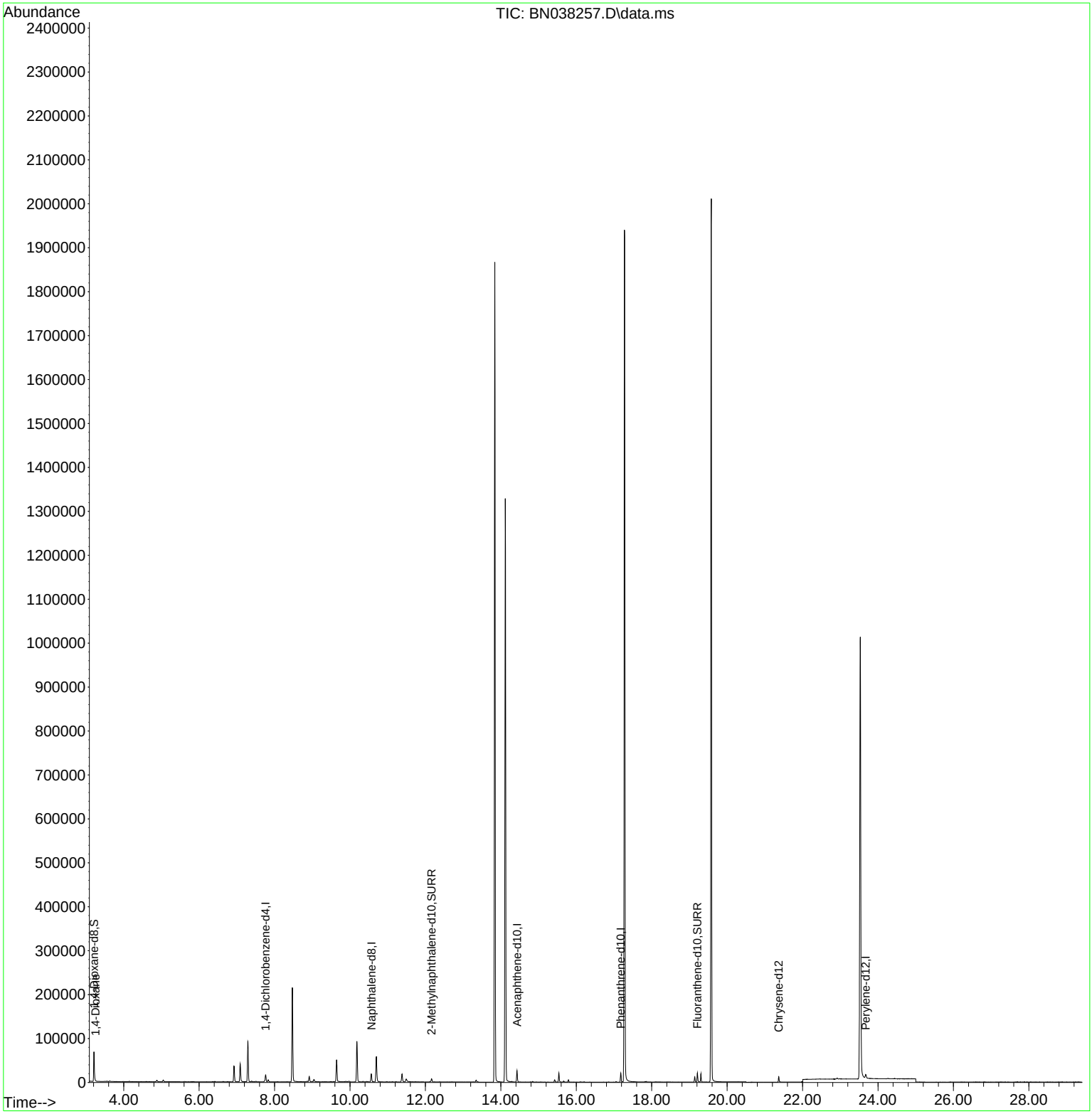
Quantitation Report (QT Reviewed)

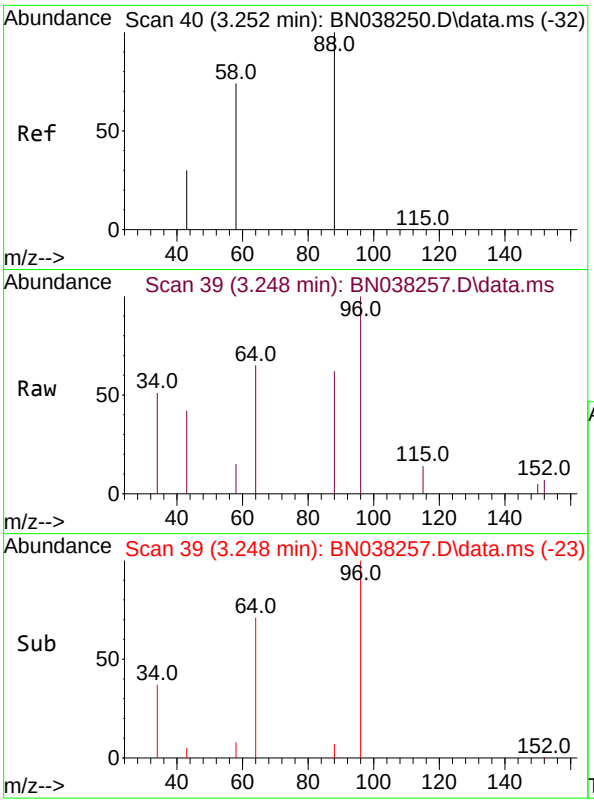
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Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM

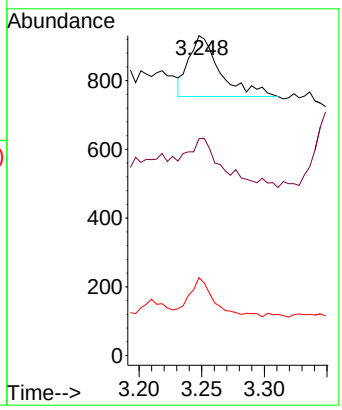




#2
1,4-Dioxane
Concen: 0.034 ng/ul
RT: 3.248 min Scan# 39
Delta R.T. -0.004 min
Lab File: BN038257.D
Acq: 02 Dec 2025 16:26

Tgt Ion: 88 Resp: 308

Ion	Ratio	Lower	Upper
88	100		
43	67.8	27.5	41.3#
58	24.4	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM

Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8089	0.400	ng/ul	0.00
4) Naphthalene-d8	10.568	136	24913	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.428	164	14131	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	23380m	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	11606m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	9964m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	42920	5.057	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	9207	0.259	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	21186m	0.470	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	308	0.034	ng/ul#	47

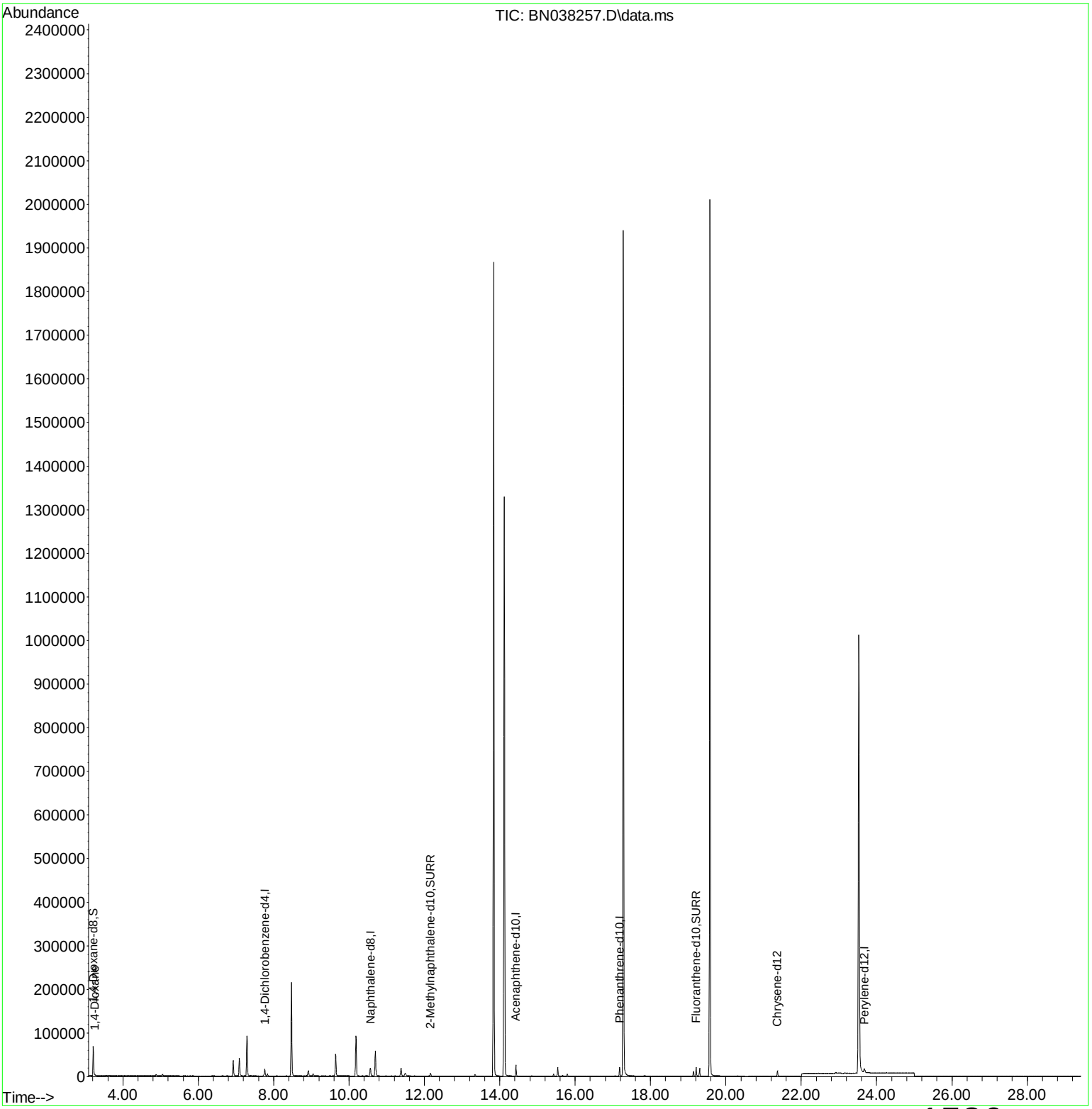
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM



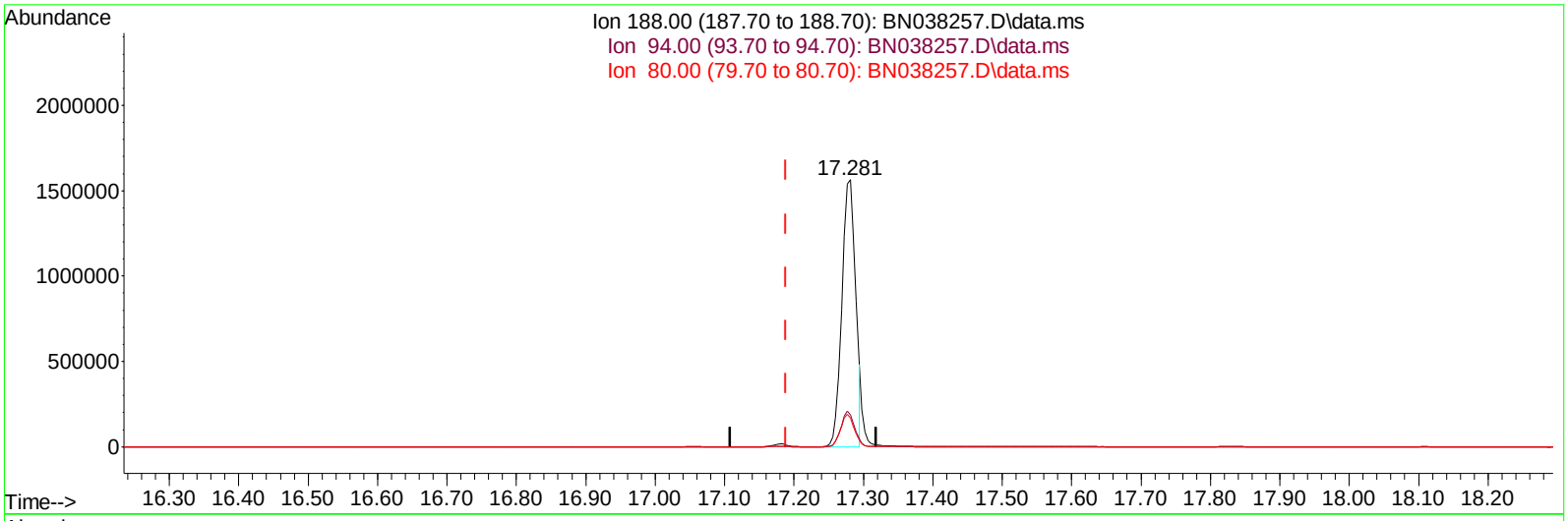
Quantitation Report (Qedit)

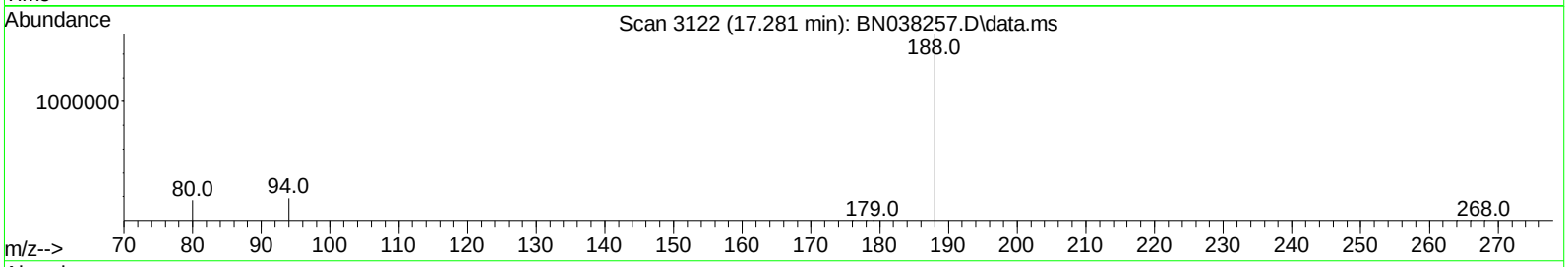
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

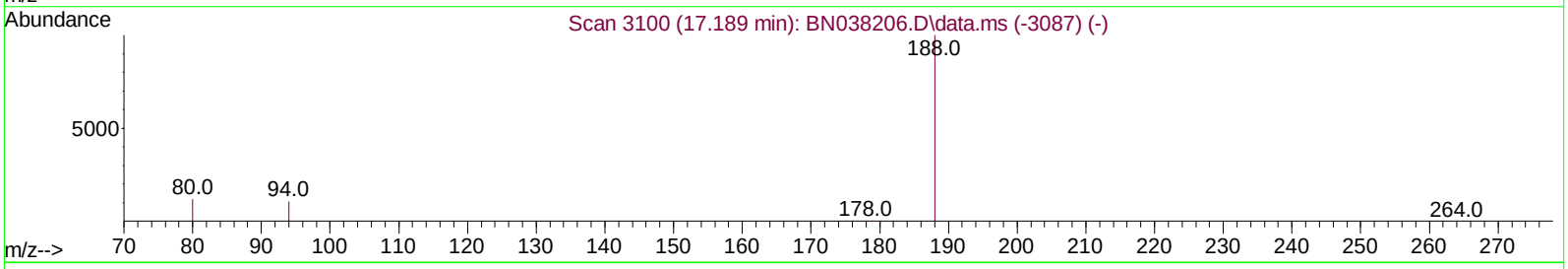
Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM







TIC: BN038257.D\data.ms

(13) Phenanthrene-d10 (I)

17.281min (+ 0.092) 0.40 ng/ul

response 2126858

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.03
80.00	12.20	10.84
0.00	0.00	0.00

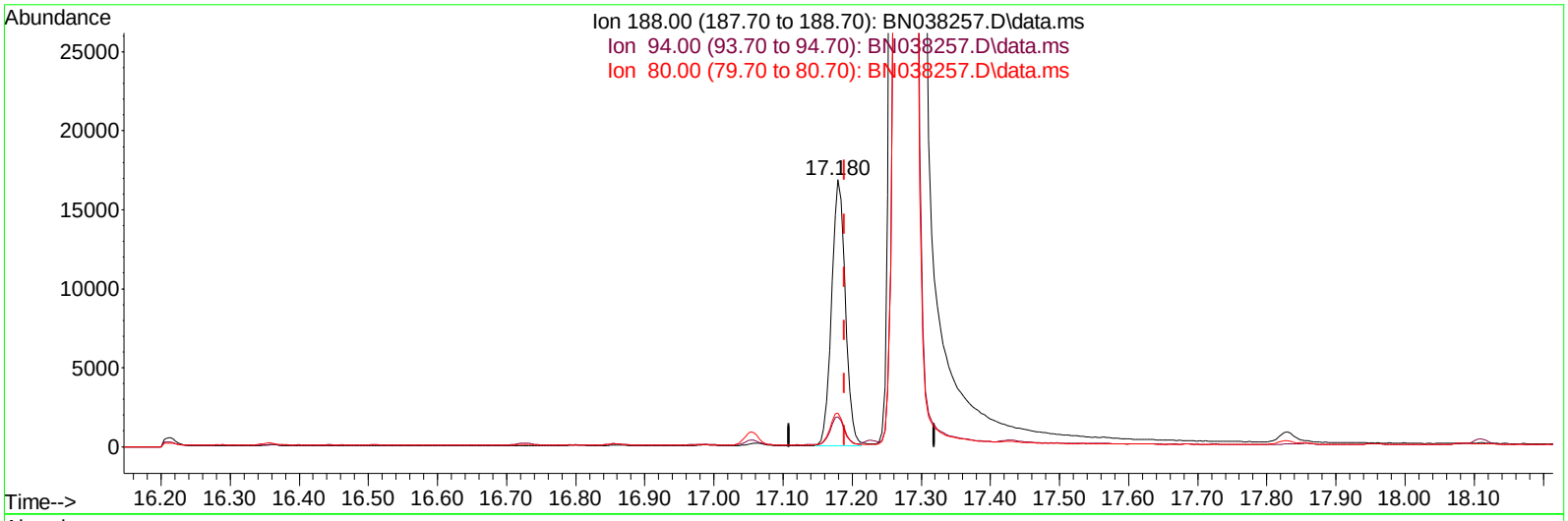
Quantitation Report (Qedit)

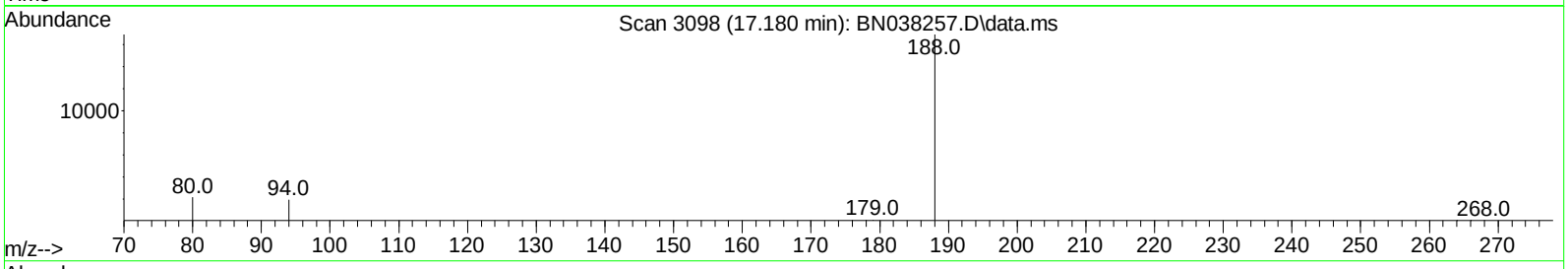
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

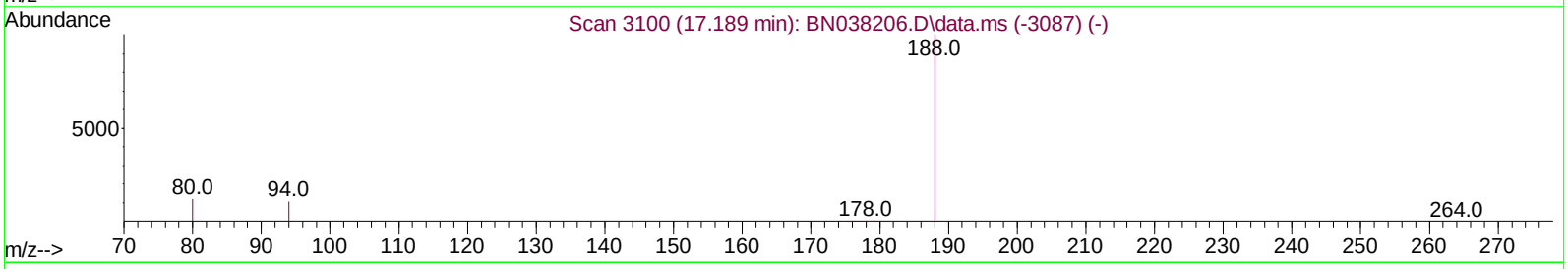
Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM







TIC: BN038257.D\data.ms

(13) Phenanthrene-d10 (I)

17.180min (-0.009) 0.40 ng/ul m

response 23380

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.32
80.00	12.20	12.73
0.00	0.00	0.00

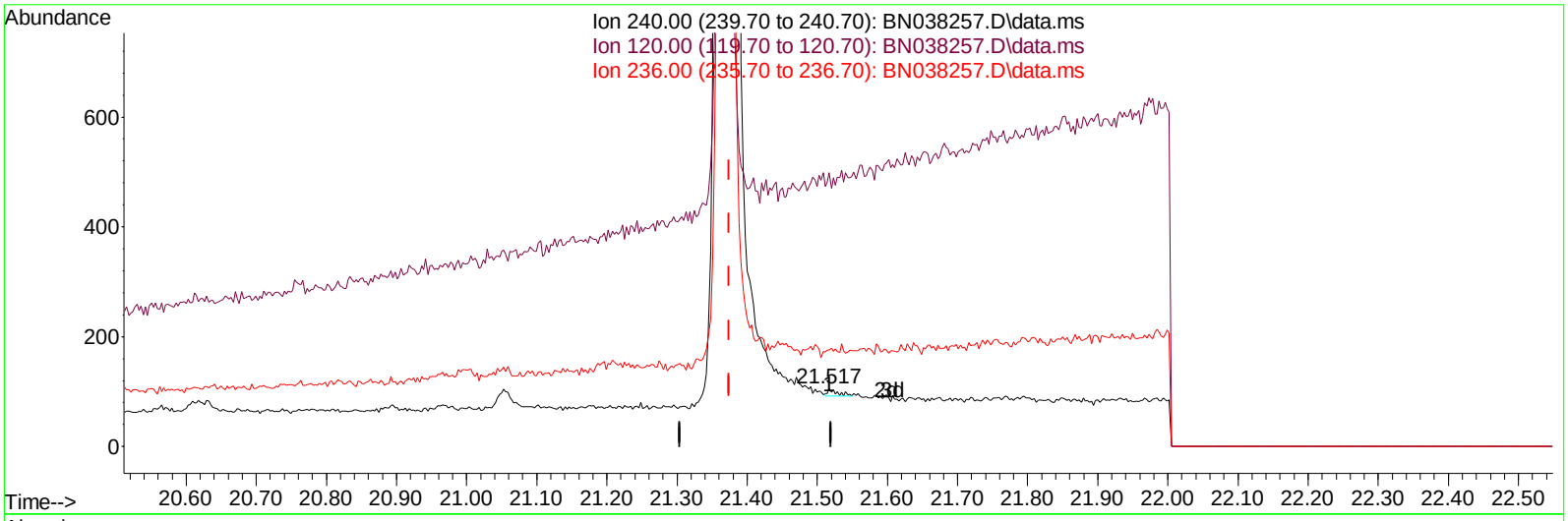
Quantitation Report (Qedit)

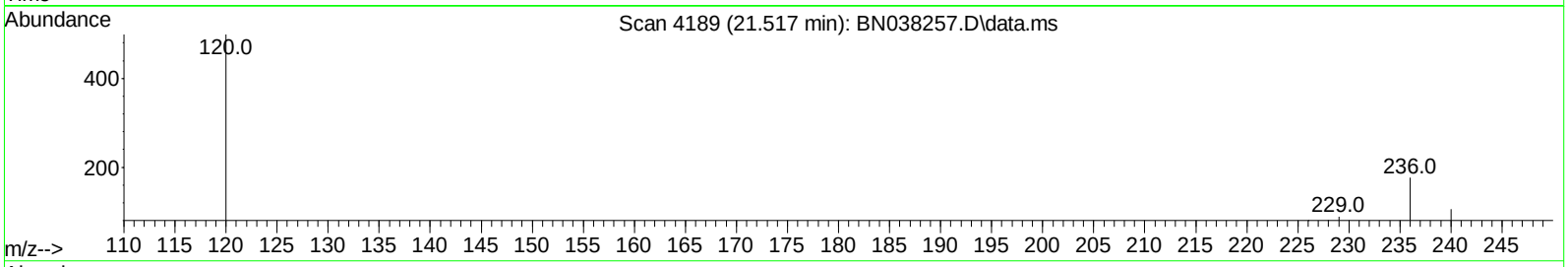
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

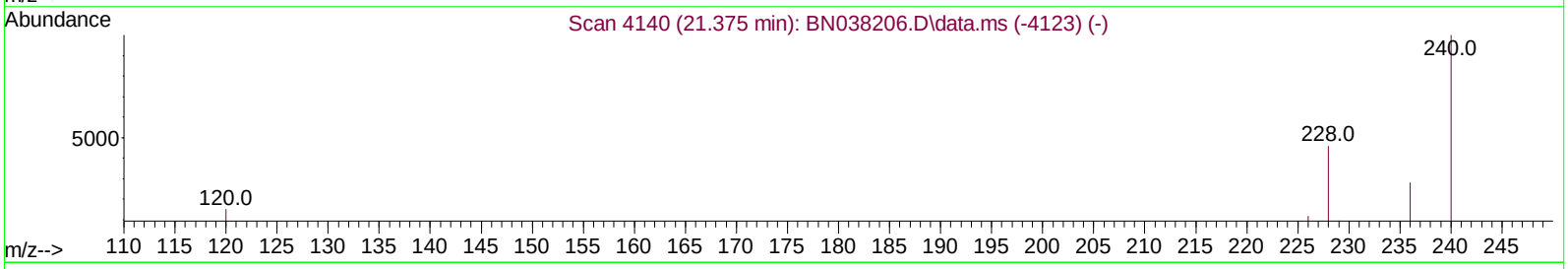
Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
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12/3/2025 3:28:48 PM







TIC: BN038257.D\data.ms

(17) Chrysene-d12

21.517min (+ 0.142) 0.40 ng/ul

response 12

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	470.75#
236.00	29.60	166.04#
0.00	0.00	0.00

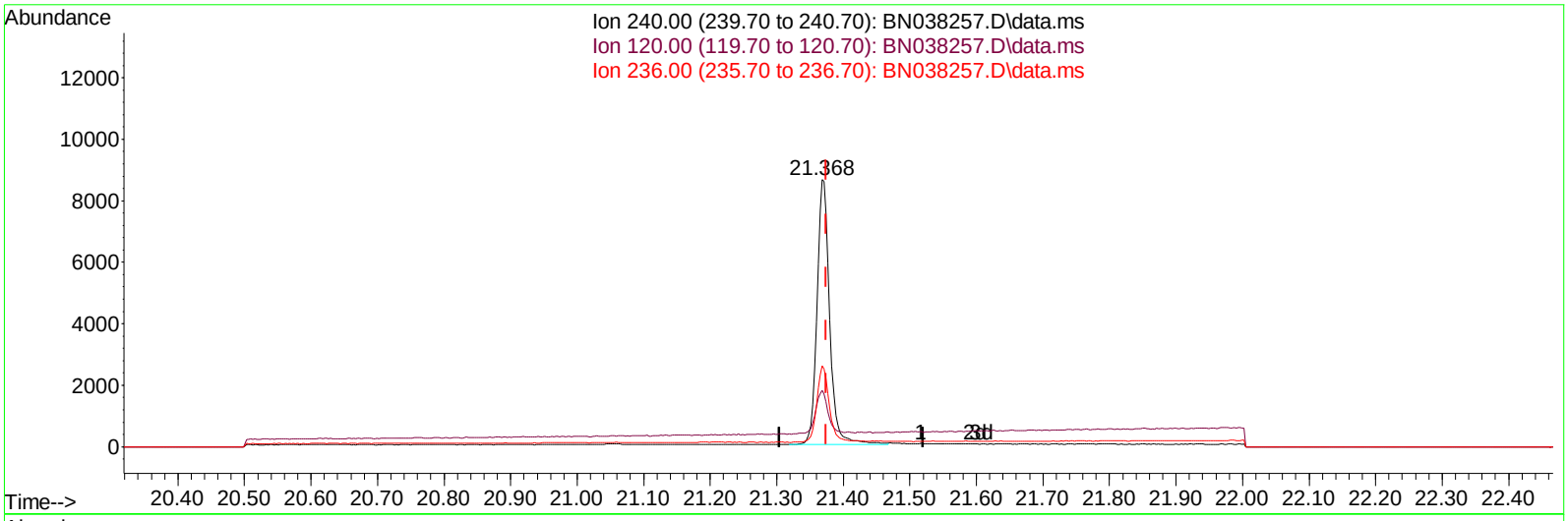
Quantitation Report (Qedit)

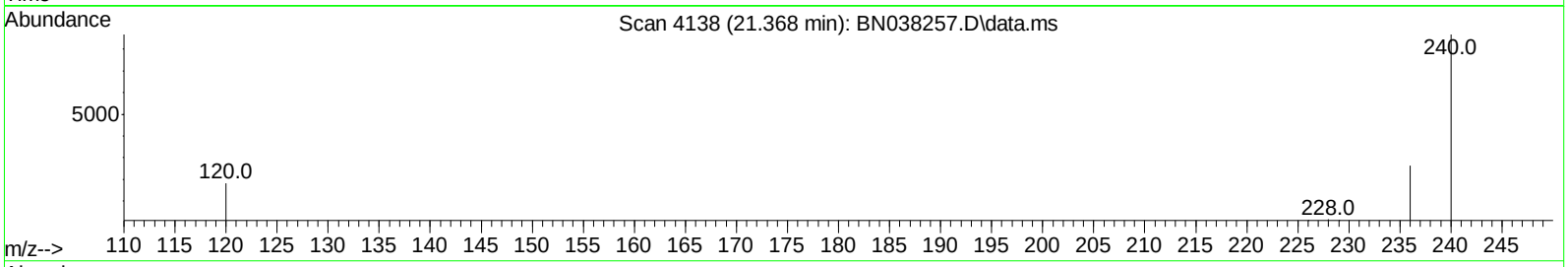
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Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

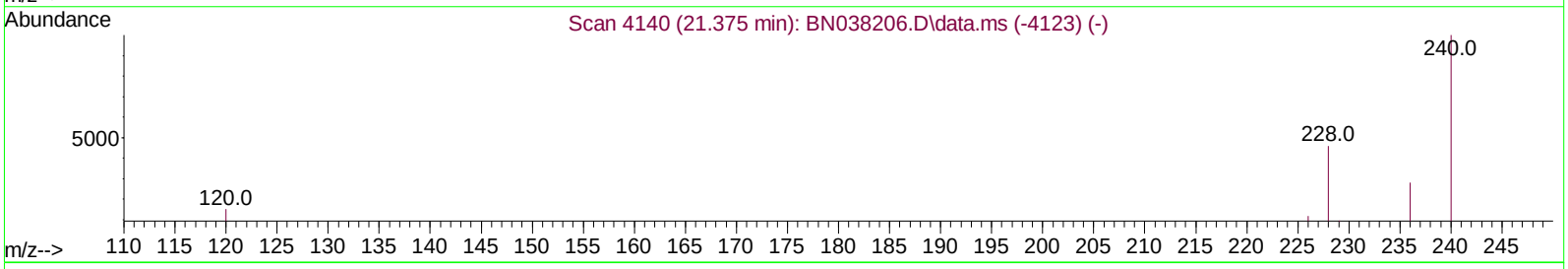
Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
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TIC: BN038257.D\data.ms

(17) Chrysene-d12

21.368min (-0.006) 0.40 ng/ul m

response 11606

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.05
236.00	29.60	30.34
0.00	0.00	0.00

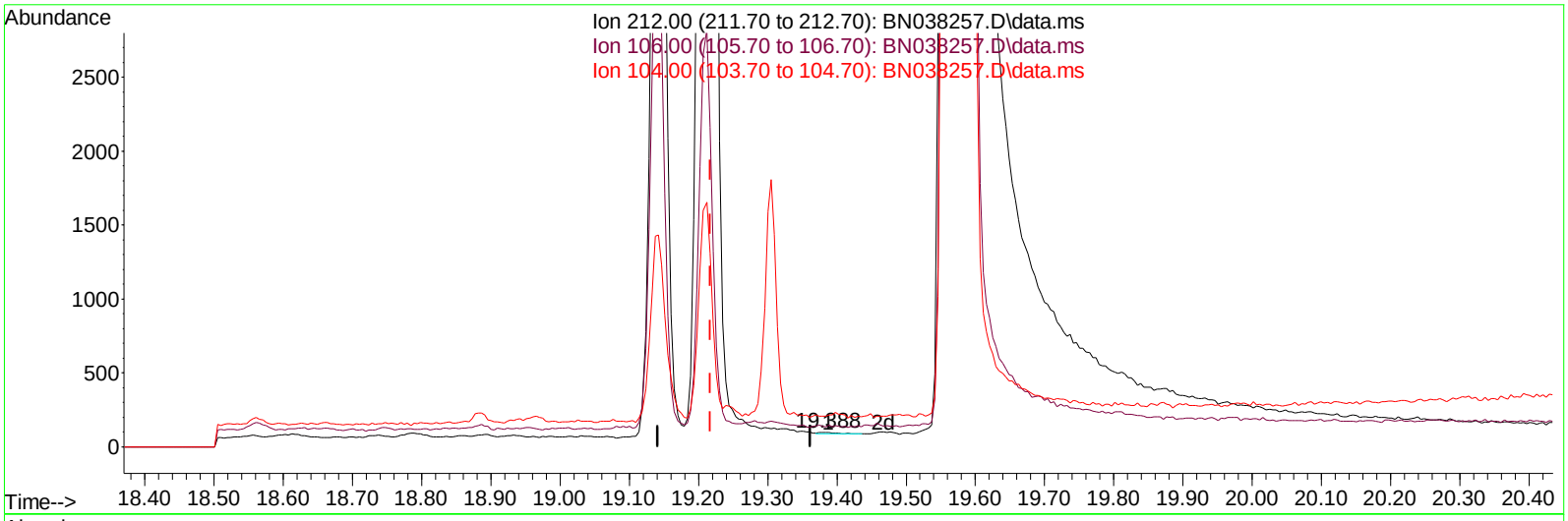
Quantitation Report (Qedit)

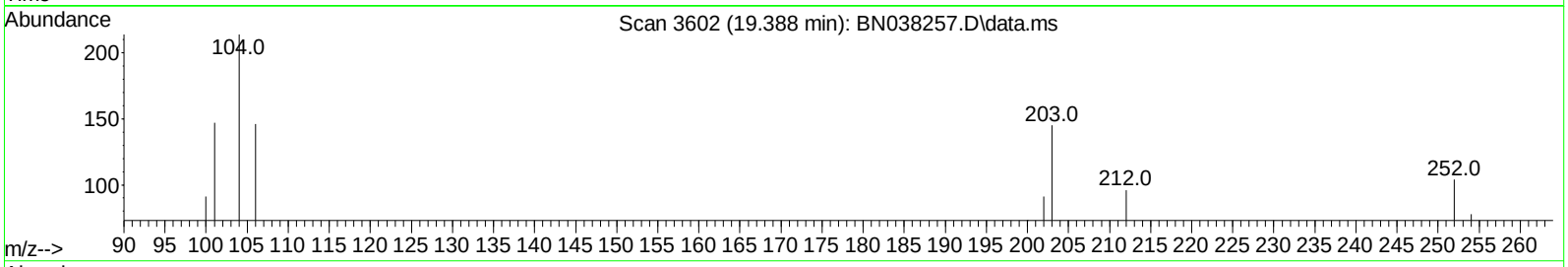
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

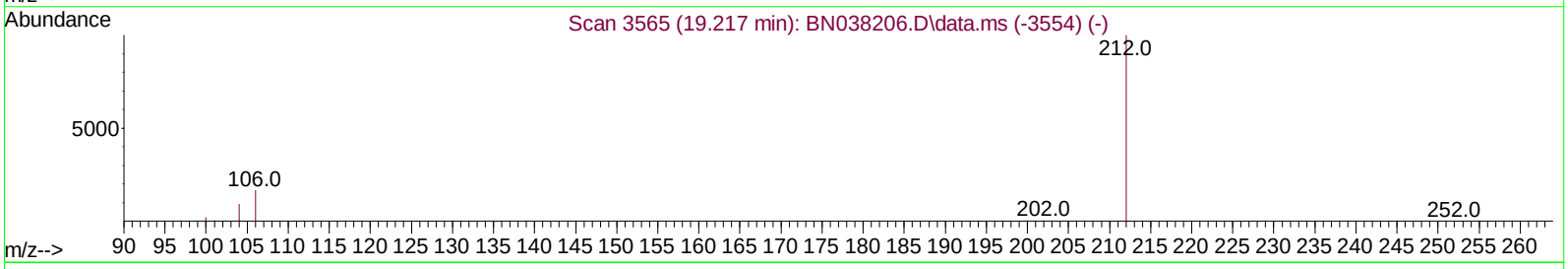
Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM







TIC: BN038257.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.388min (+ 0.171) 0.00 ng/ul

response 18

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	22.22#
104.00	9.20	0.00#
0.00	0.00	0.00

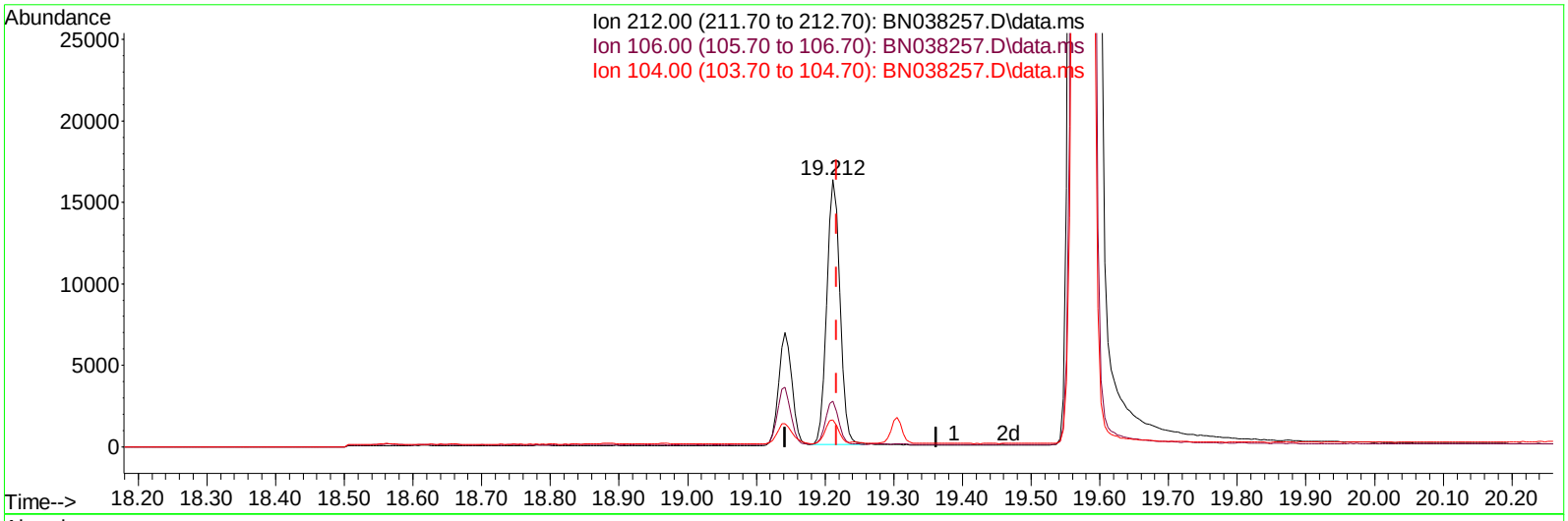
Quantitation Report (Qedit)

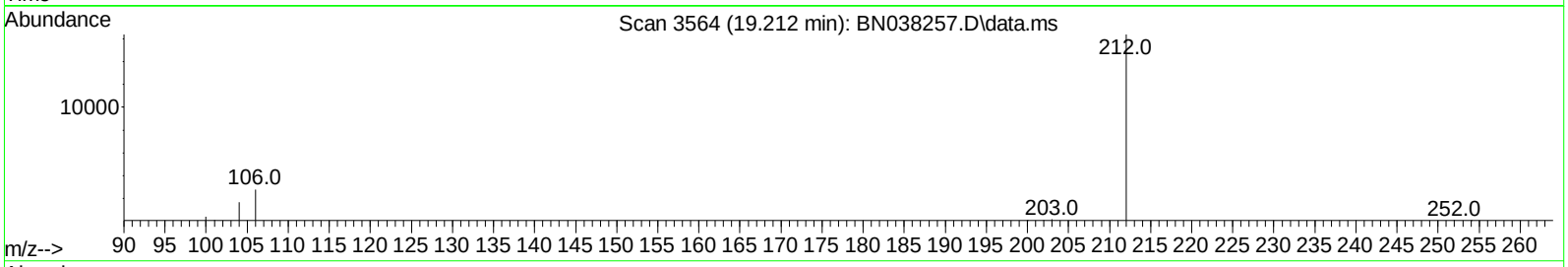
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

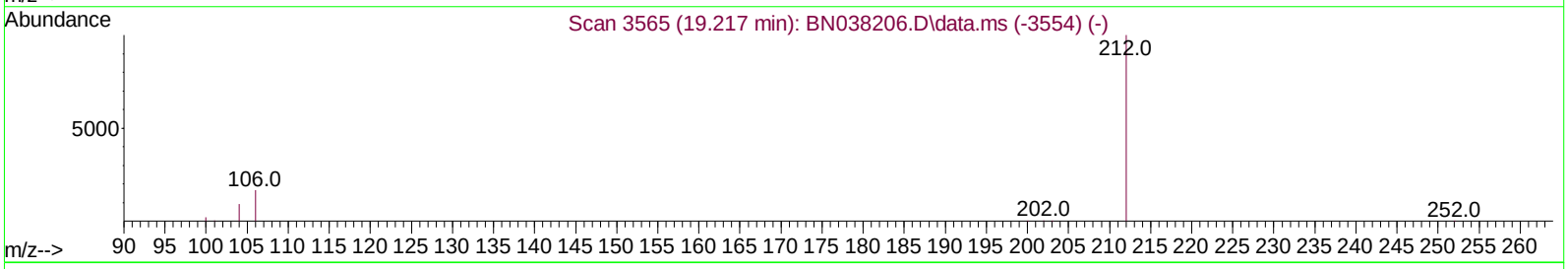
Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM







TIC: BN038257.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.212min (-0.005) 0.47 ng/ul m

response 21186

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.02#
104.00	9.20	0.00#
0.00	0.00	0.00

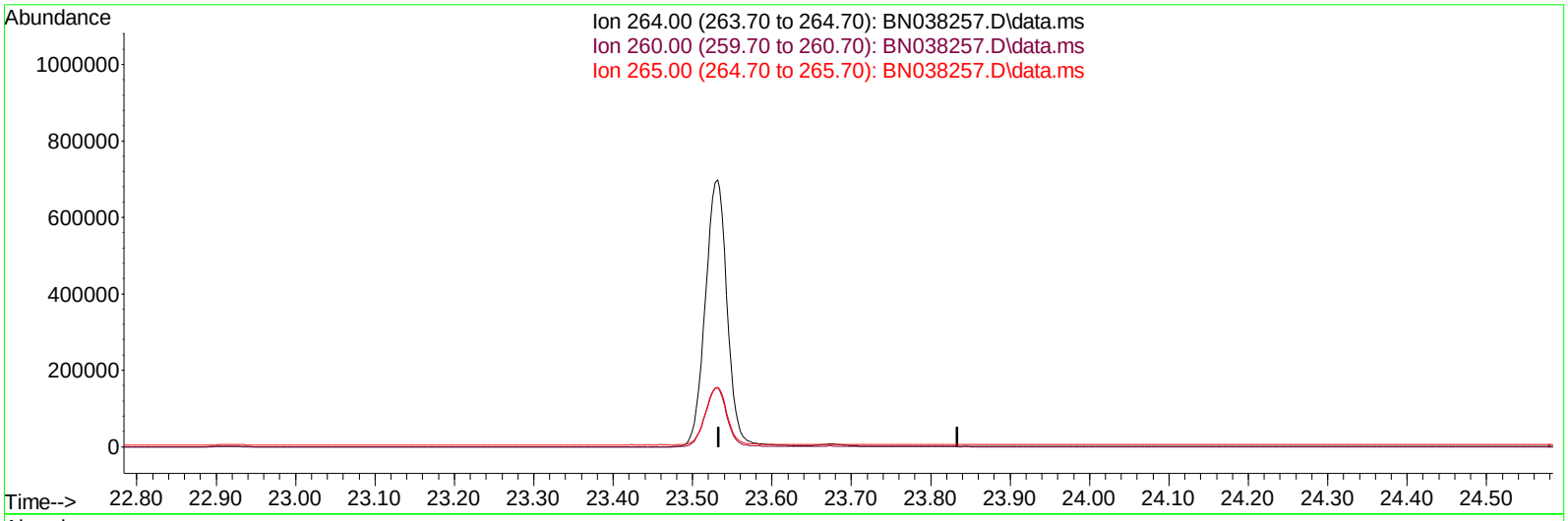
Quantitation Report (Qedit)

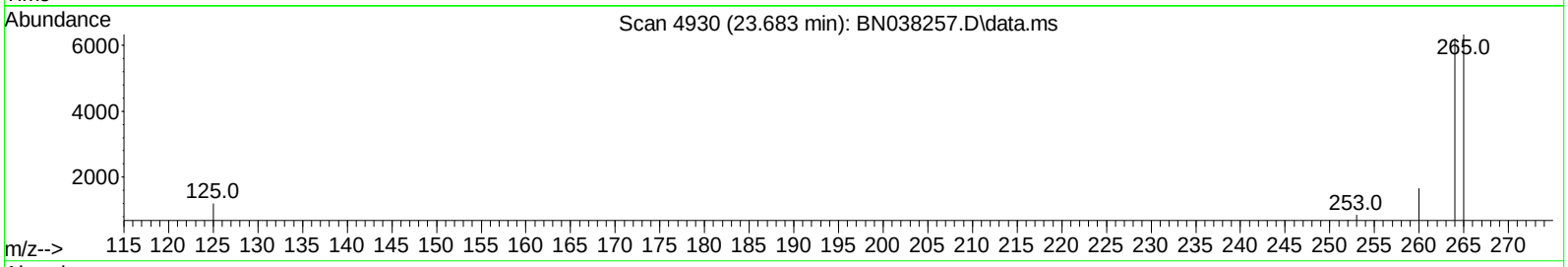
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

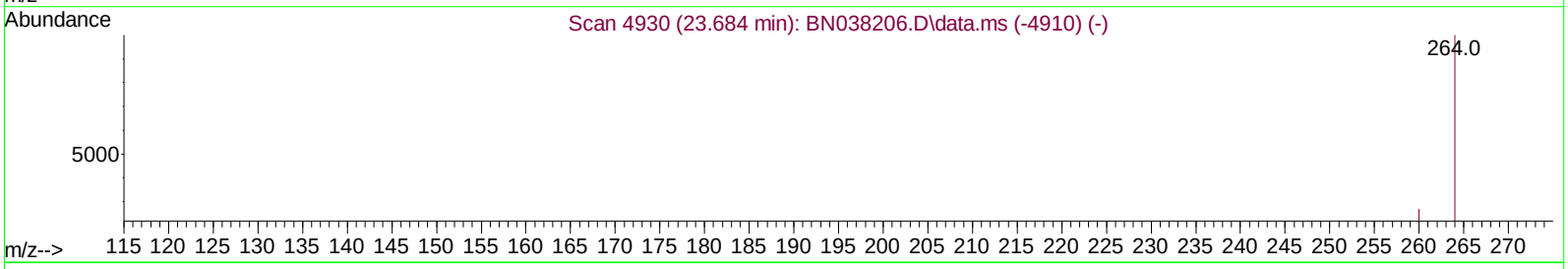
Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM







TIC: BN038257.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

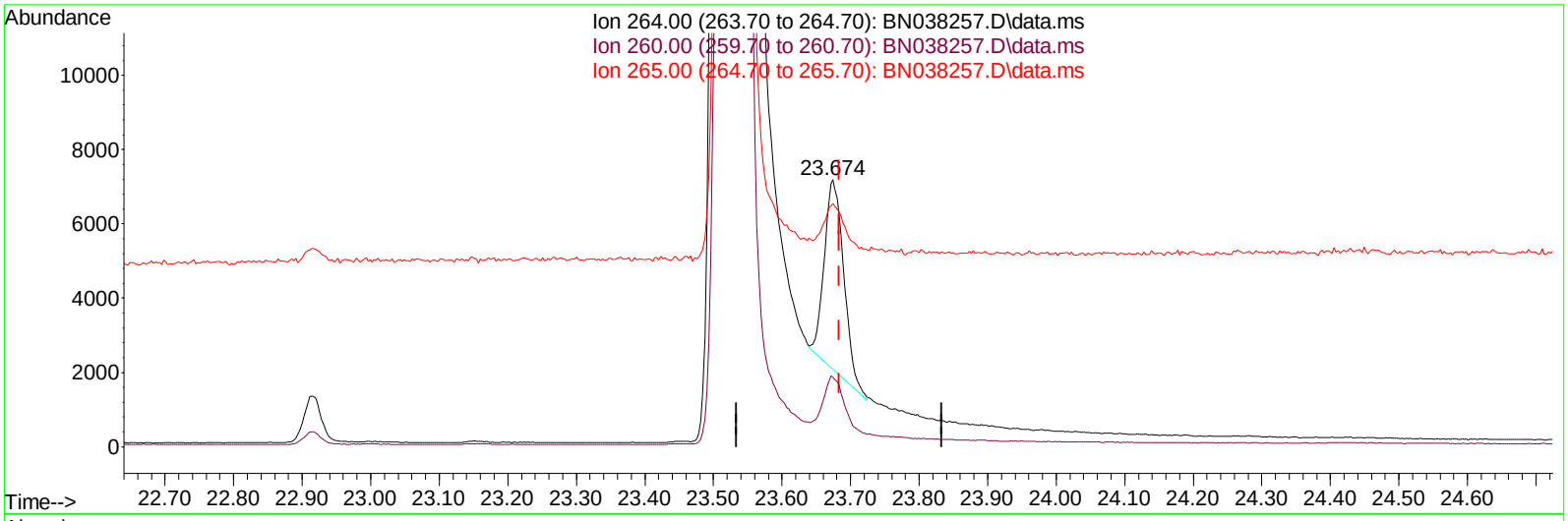
Quantitation Report (Qedit)

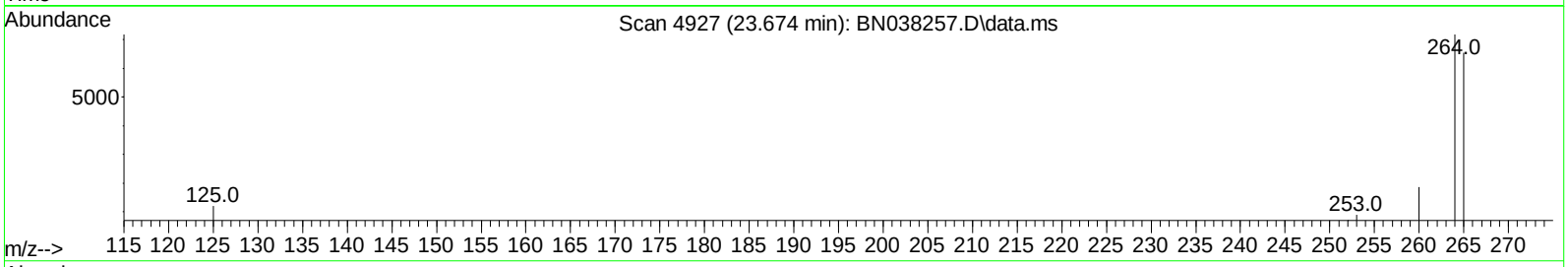
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

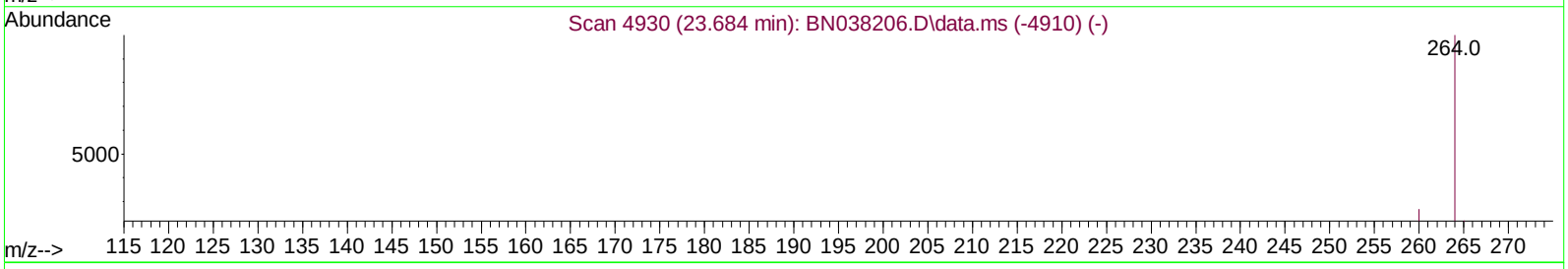
Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM







TIC: BN038257.D\data.ms

(23) Perylene-d12 (I)

23.674min (-0.009) 0.40 ng/ul m

response 9964

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.01
265.00	124.40	91.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038257.D
Acq On : 02 Dec 2025 16:26
Operator : RC/JU
Sample : Q3688-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-32I

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:48 PM

Quant Time: Dec 03 00:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8089	0.400	ng/ul	0.00
4) Naphthalene-d8	10.568	136	24913	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.428	164	14131	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	23380m	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	11606m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	9964m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	42920	5.057	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	9207	0.259	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	21186m	0.470	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	308	0.034	ng/ul#	47

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-32S

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-10
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038259.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

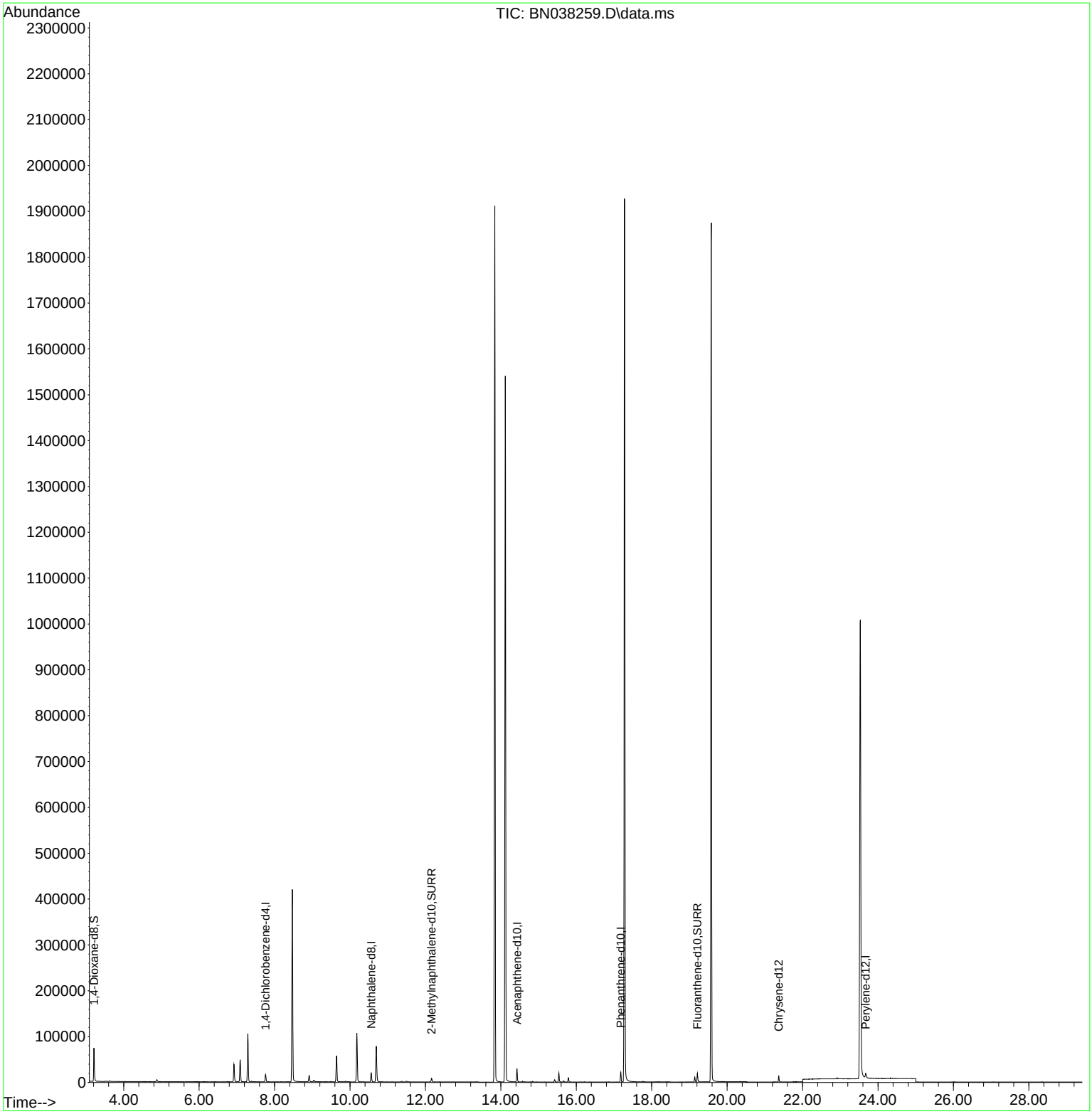
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 03 00:54:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM

Quant Time: Dec 03 00:54:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8179	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	26708	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	15008	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	24271m	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	12403m	0.400	ng/ul	0.00
23) Perylene-d12	23.677	264	10359m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	45300	5.279	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	10762	0.283	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	19747m	0.410	ng/ul	0.00
Target Compounds						Qvalue

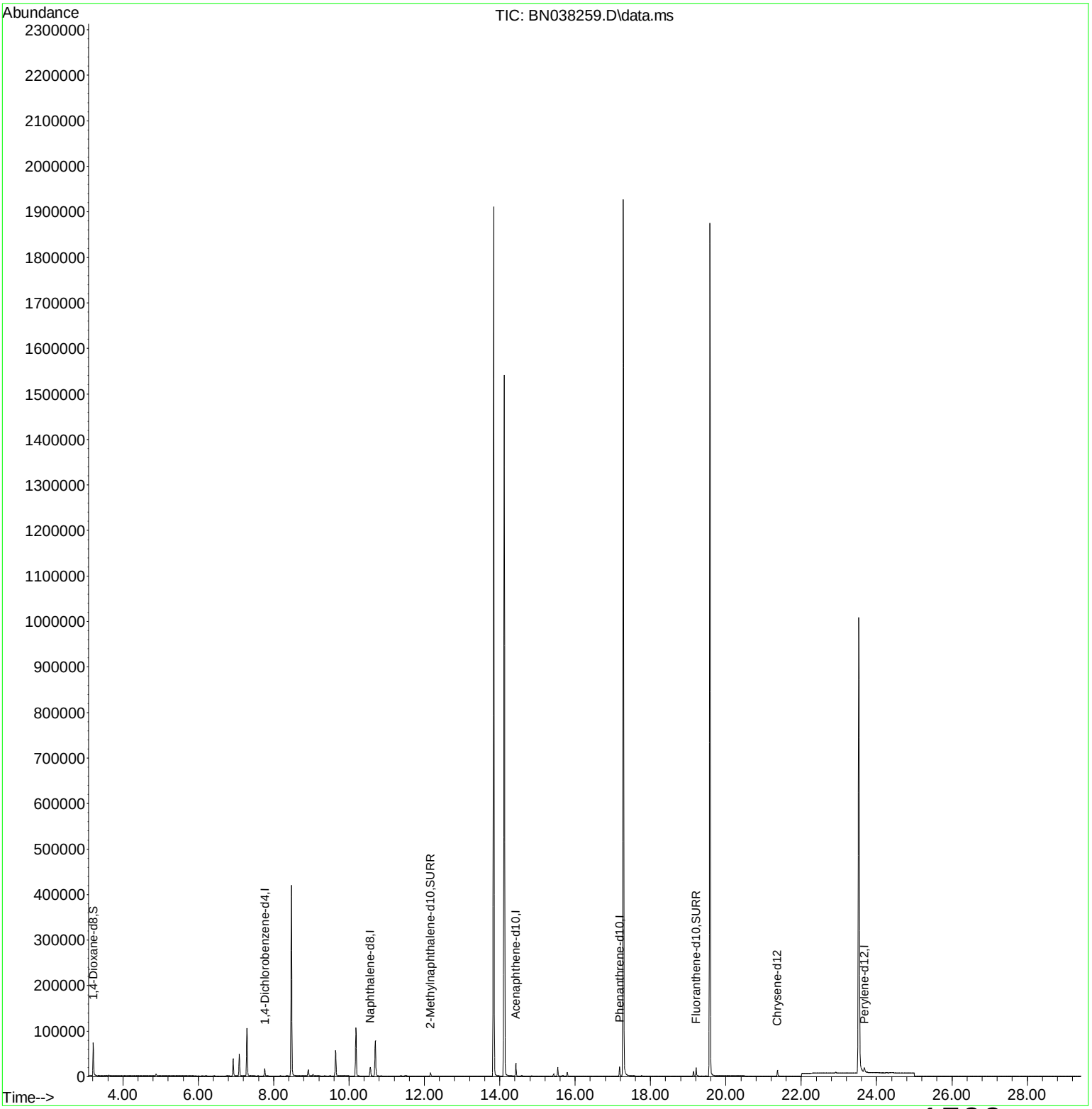
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 03 00:54:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM



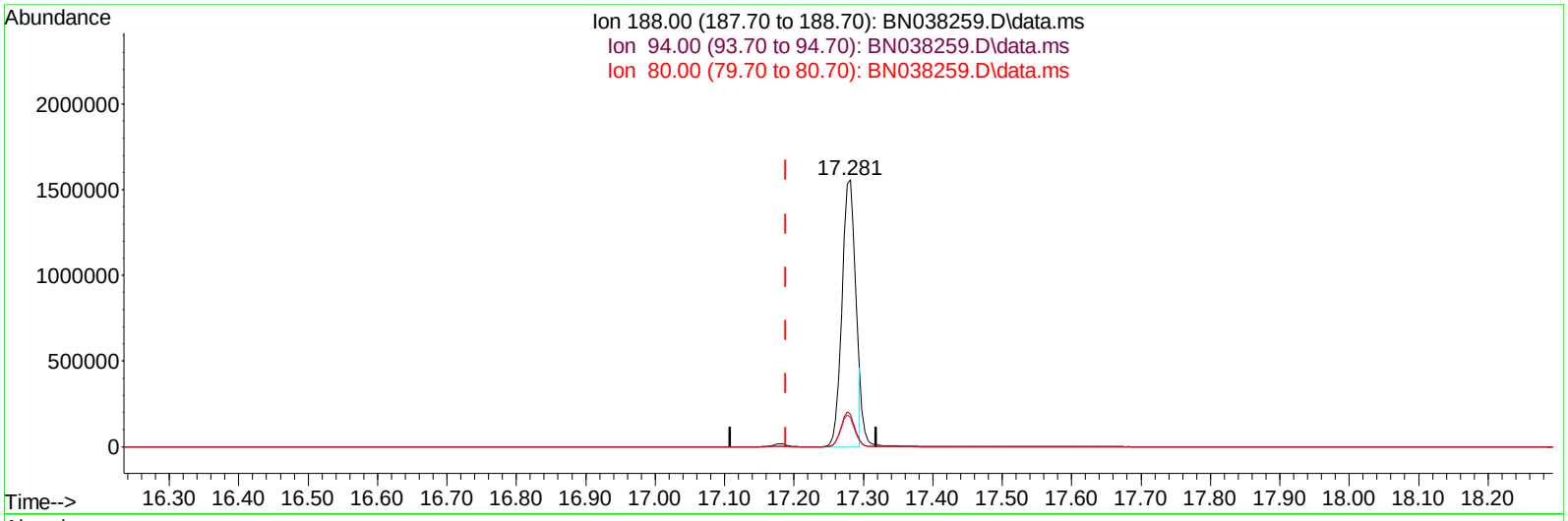
Quantitation Report (Qedit)

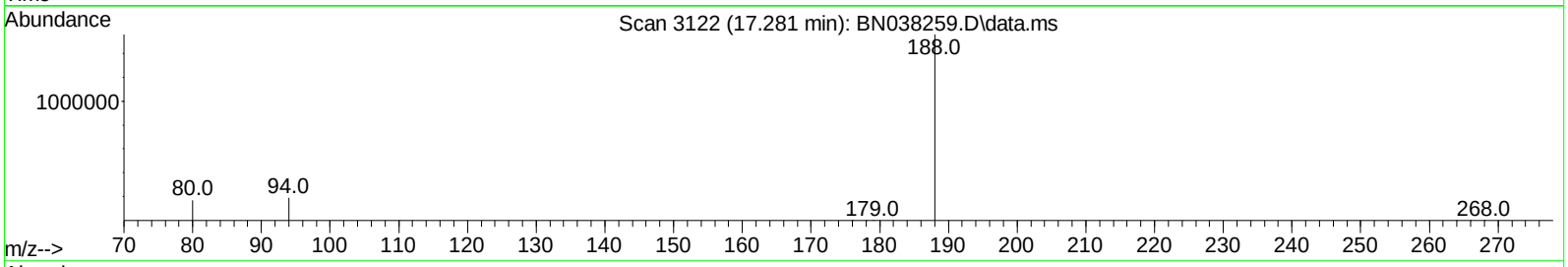
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Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

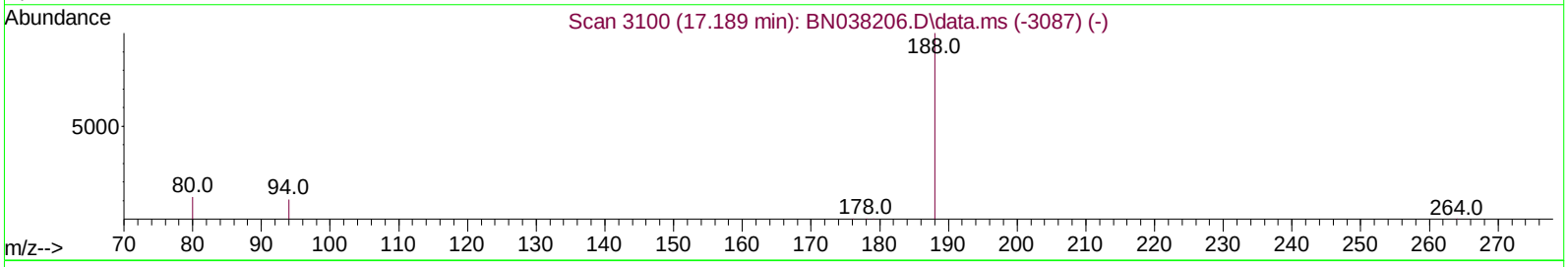
Quant Time: Dec 03 00:54:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM







TIC: BN038259.D\data.ms

(13) Phenanthrene-d10 (I)

17.281min (+ 0.092) 0.40 ng/ul

response 2104530

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.14
80.00	12.20	10.92
0.00	0.00	0.00

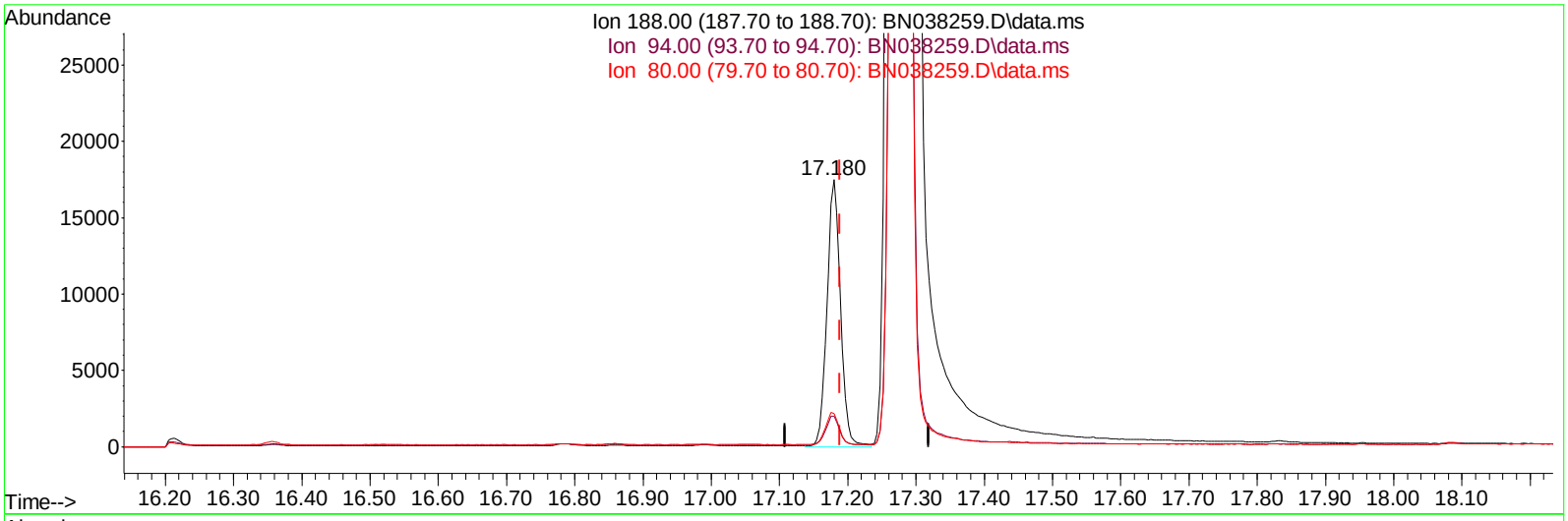
Quantitation Report (Qedit)

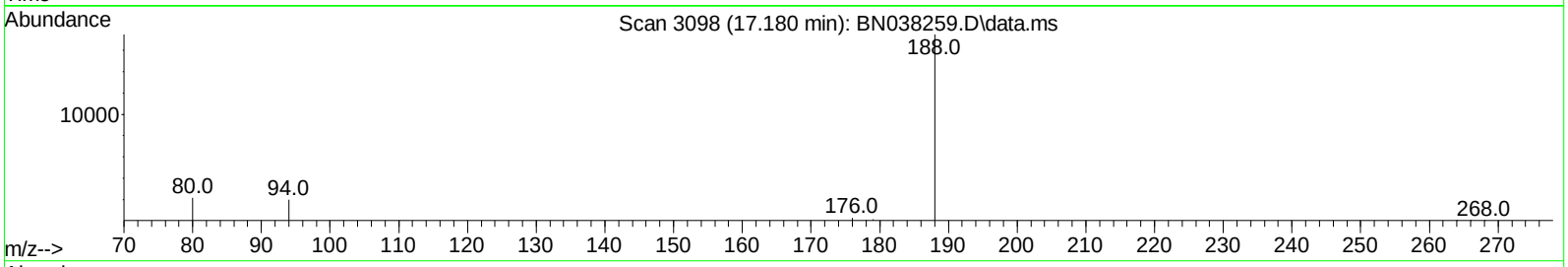
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Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

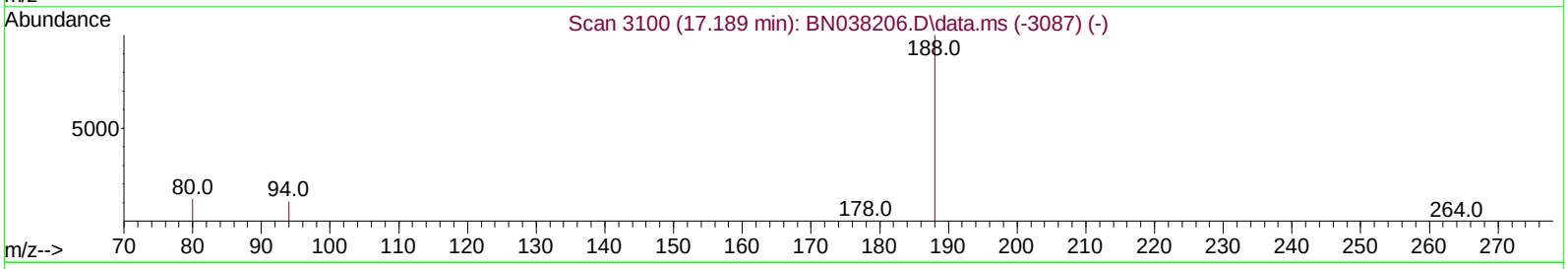
Quant Time: Dec 03 00:54:51 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM







TIC: BN038259.D\data.ms

(13) Phenanthrene-d10 (I)

17.180min (-0.009) 0.40 ng/ul m

response 24271

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.34
80.00	12.20	12.41
0.00	0.00	0.00

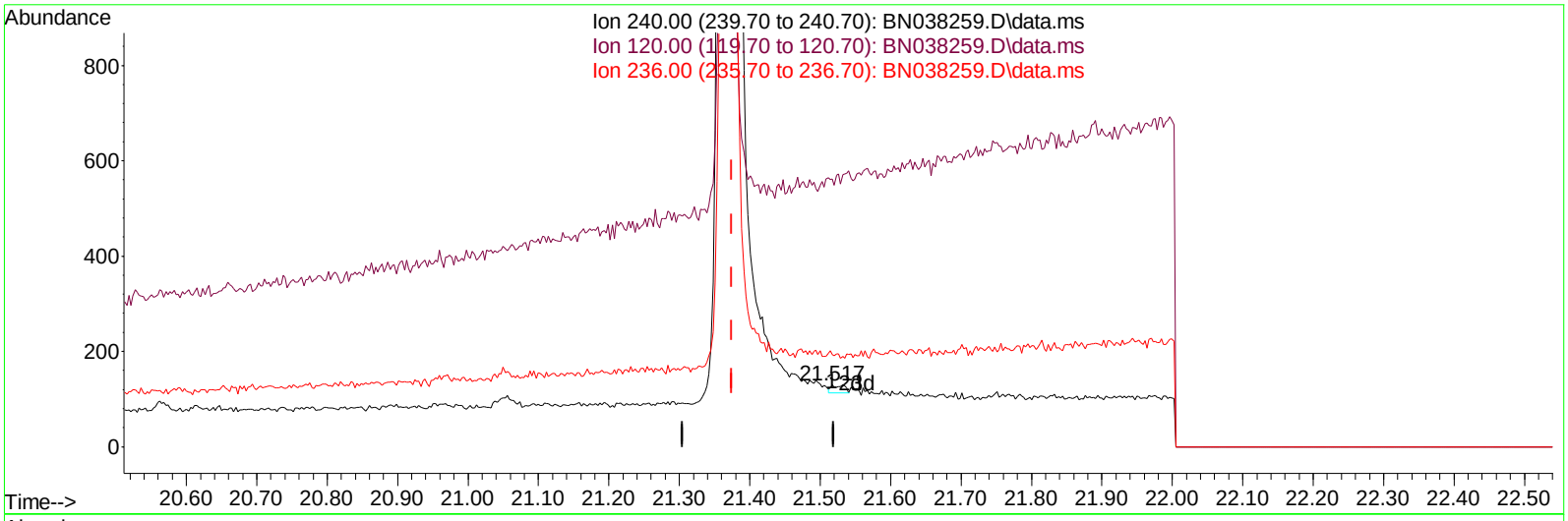
Quantitation Report (Qedit)

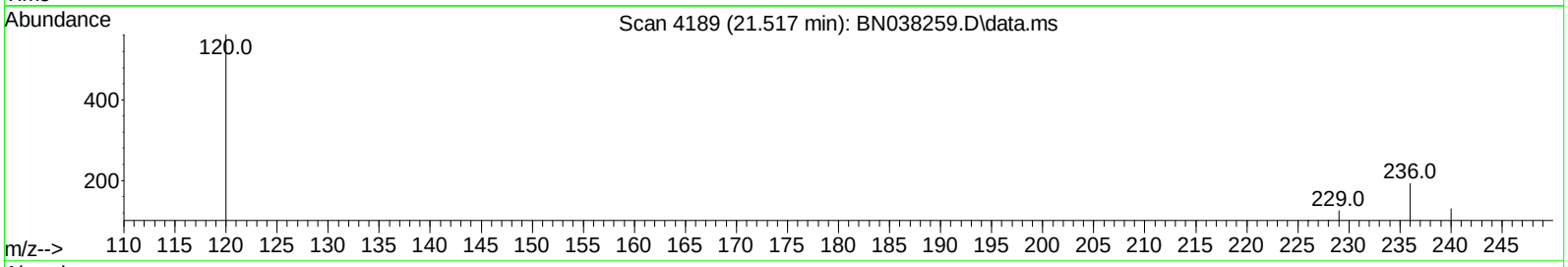
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

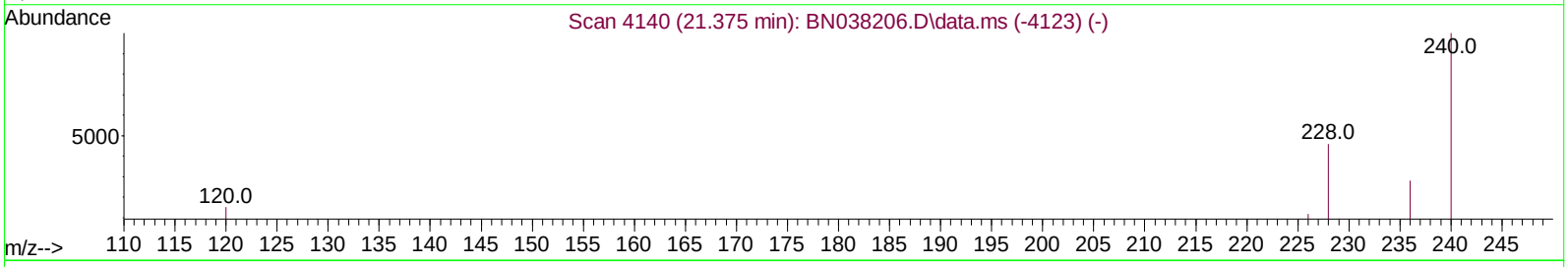
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM







TIC: BN038259.D\data.ms

(17) Chrysene-d12

21.517min (+ 0.143) 0.40 ng/ul

response 21

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	432.31#
236.00	29.60	149.23#
0.00	0.00	0.00

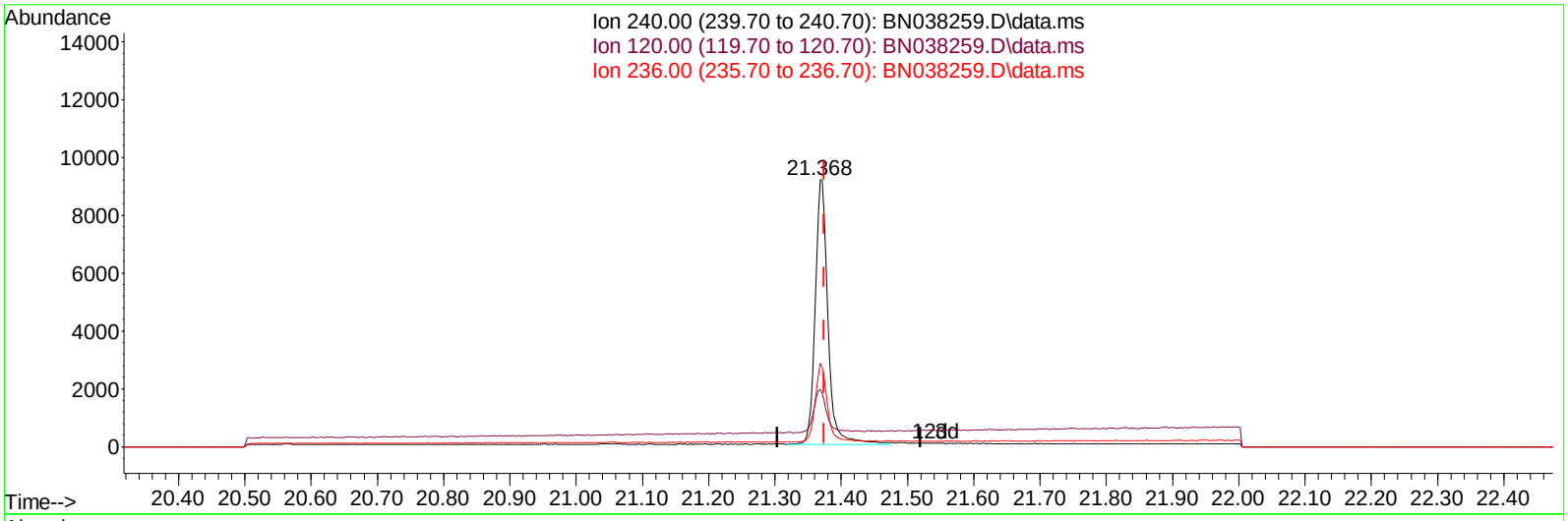
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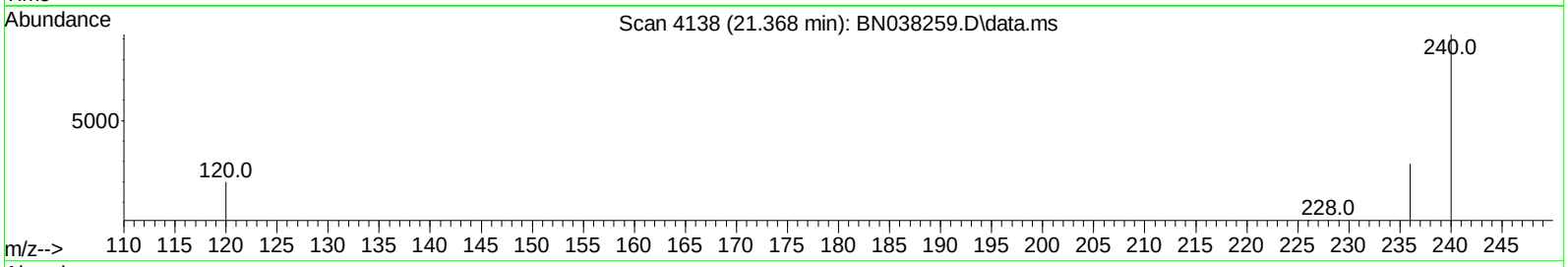
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

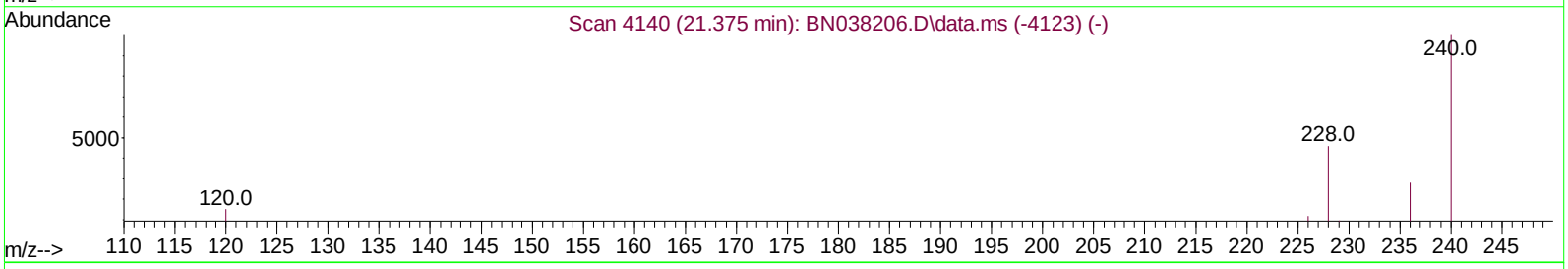
Quant Time: Dec 03 00:54:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM







TIC: BN038259.D\data.ms

(17) Chrysene-d12

21.368min (-0.006) 0.40 ng/ul m

response 12403

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.46
236.00	29.60	31.19
0.00	0.00	0.00

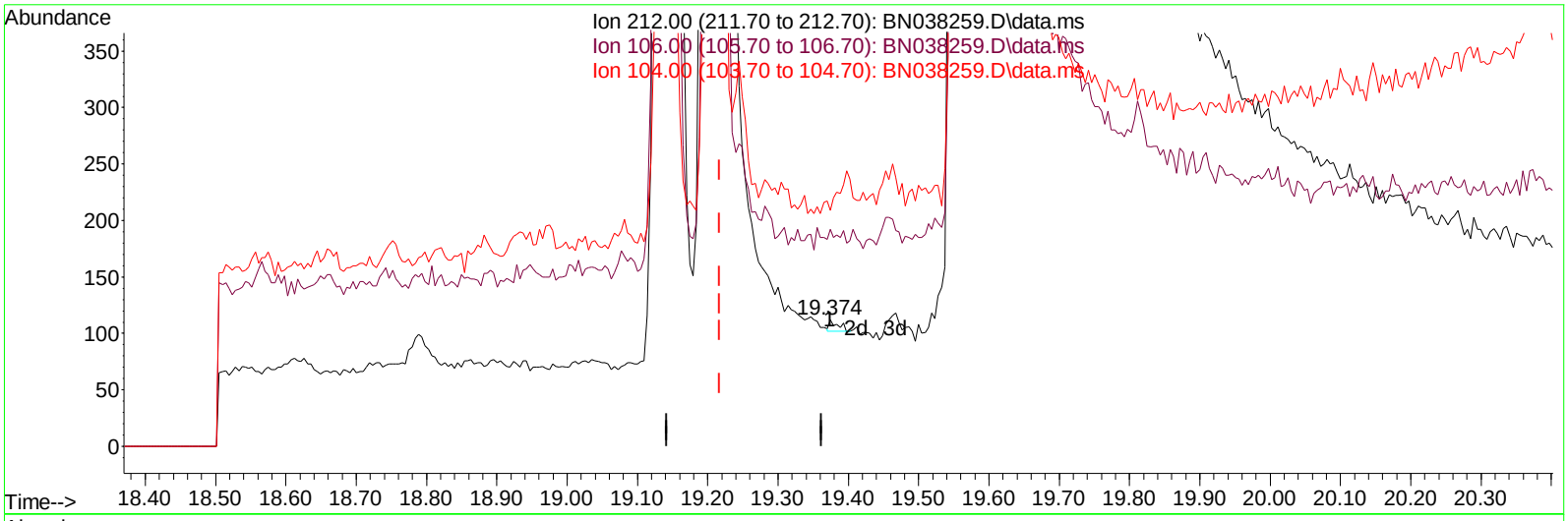
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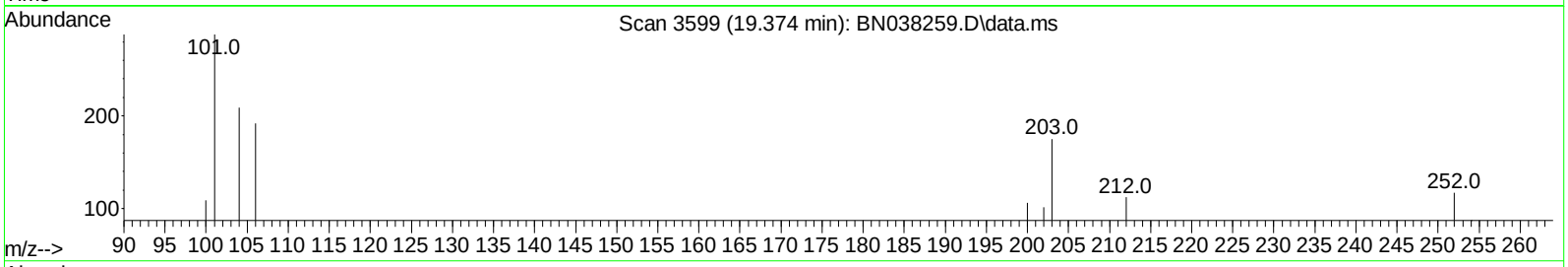
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Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

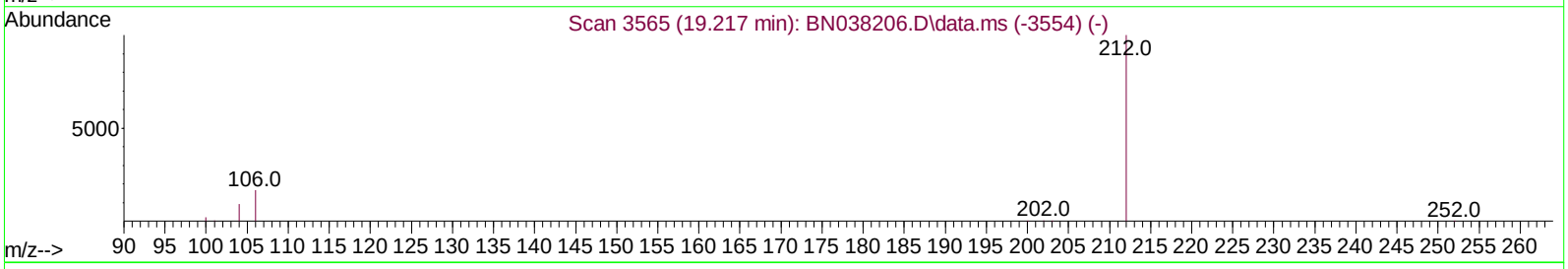
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM







TIC: BN038259.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.374min (+ 0.157) 0.00 ng/ul

response 8

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	137.50#
104.00	9.20	0.00#
0.00	0.00	0.00

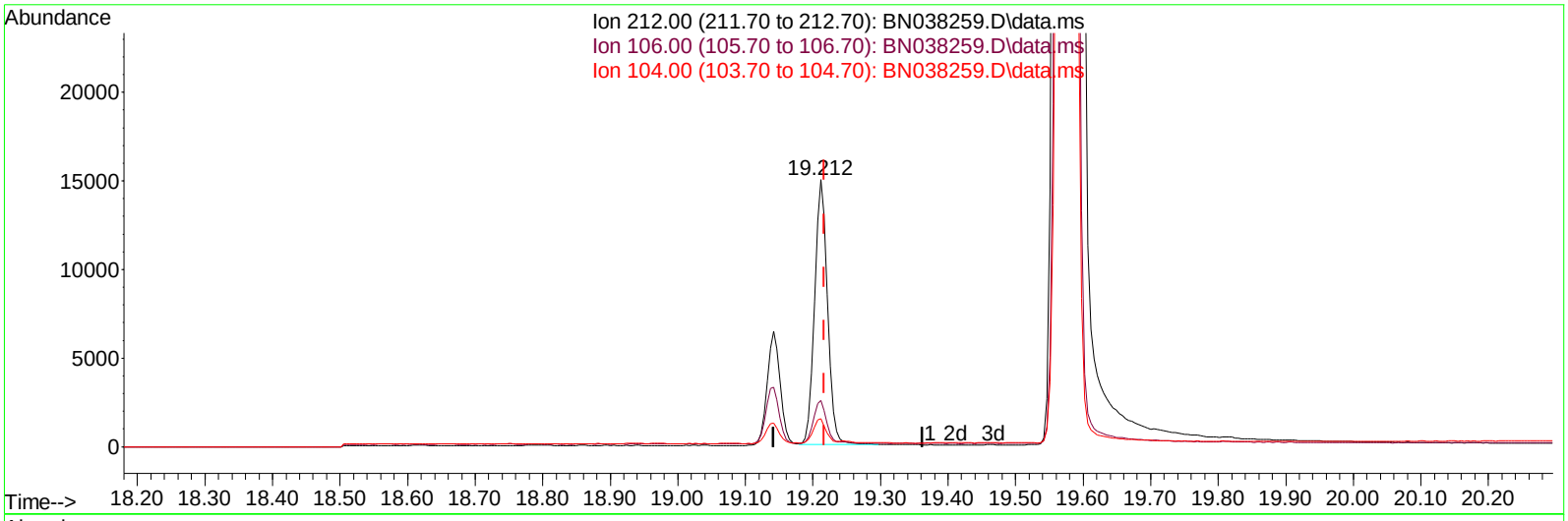
Quantitation Report (Qedit)

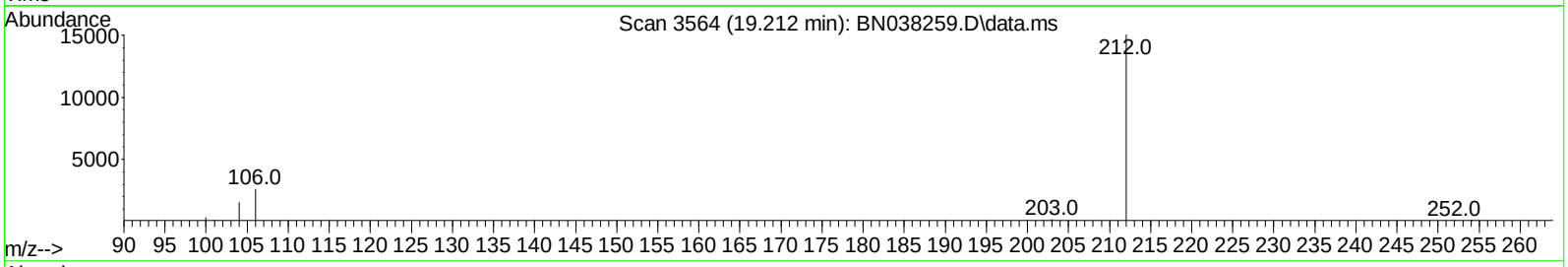
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

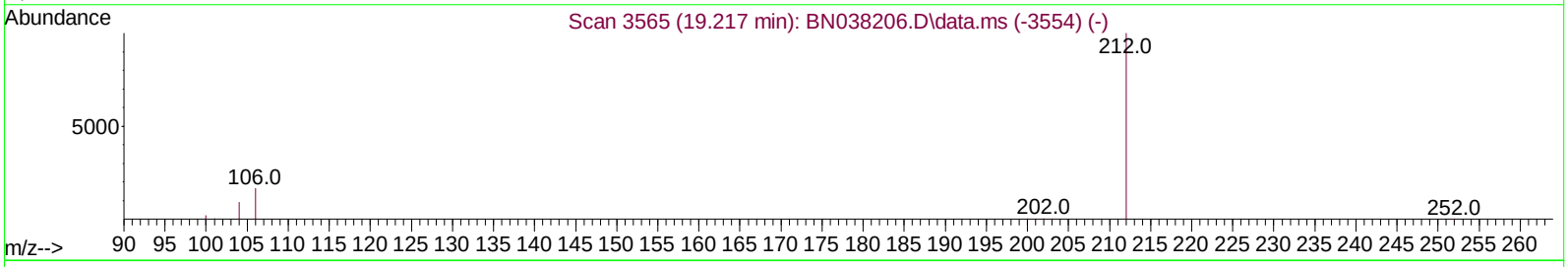
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM







TIC: BN038259.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.212min (-0.005) 0.41 ng/ul m

response 19747

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.06#
104.00	9.20	0.00#
0.00	0.00	0.00

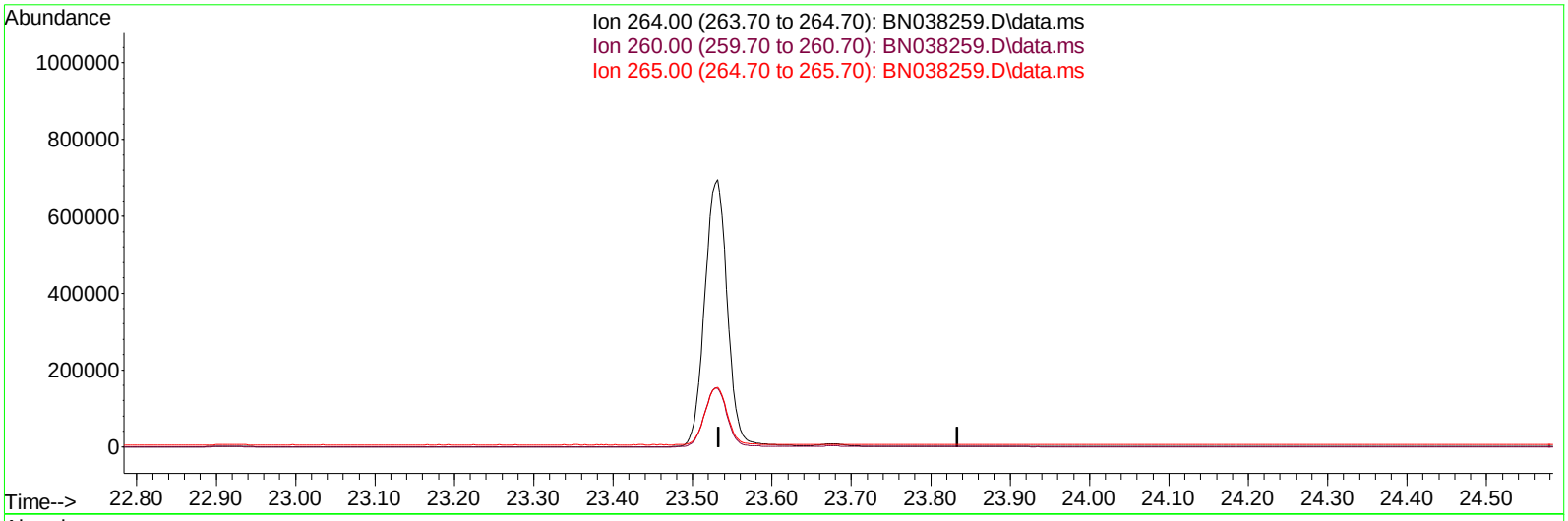
Quantitation Report (Qedit)

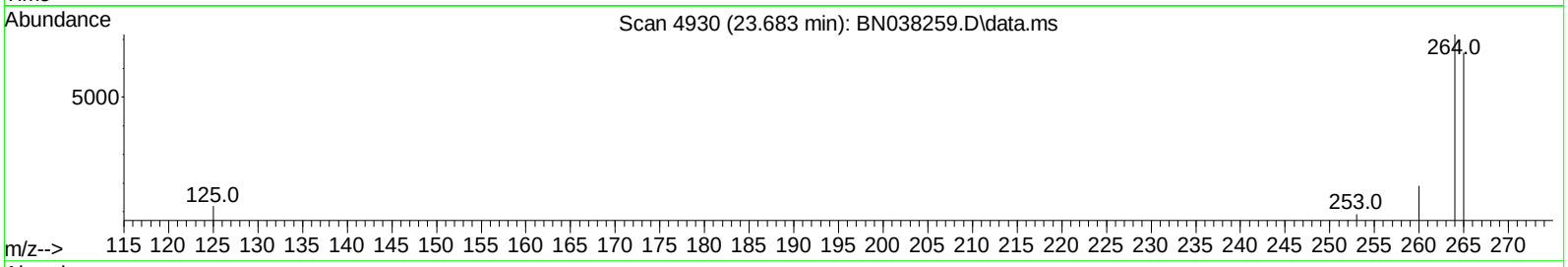
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Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

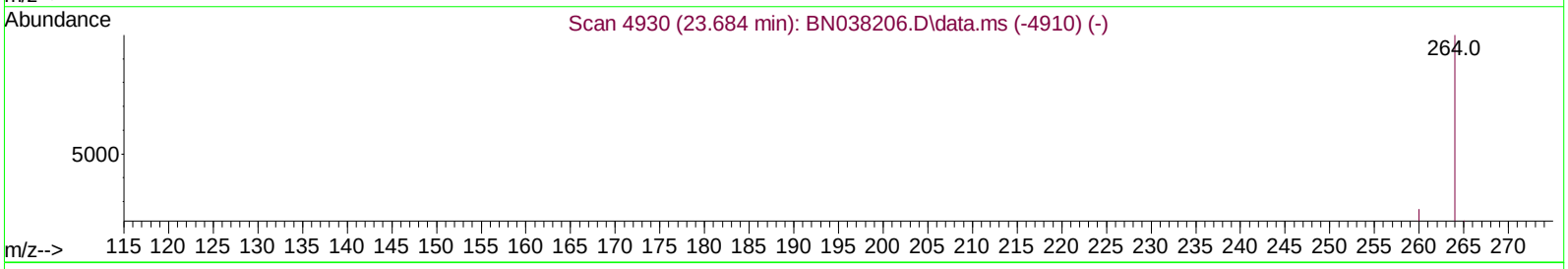
Quant Time: Dec 03 00:54:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM







TIC: BN038259.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

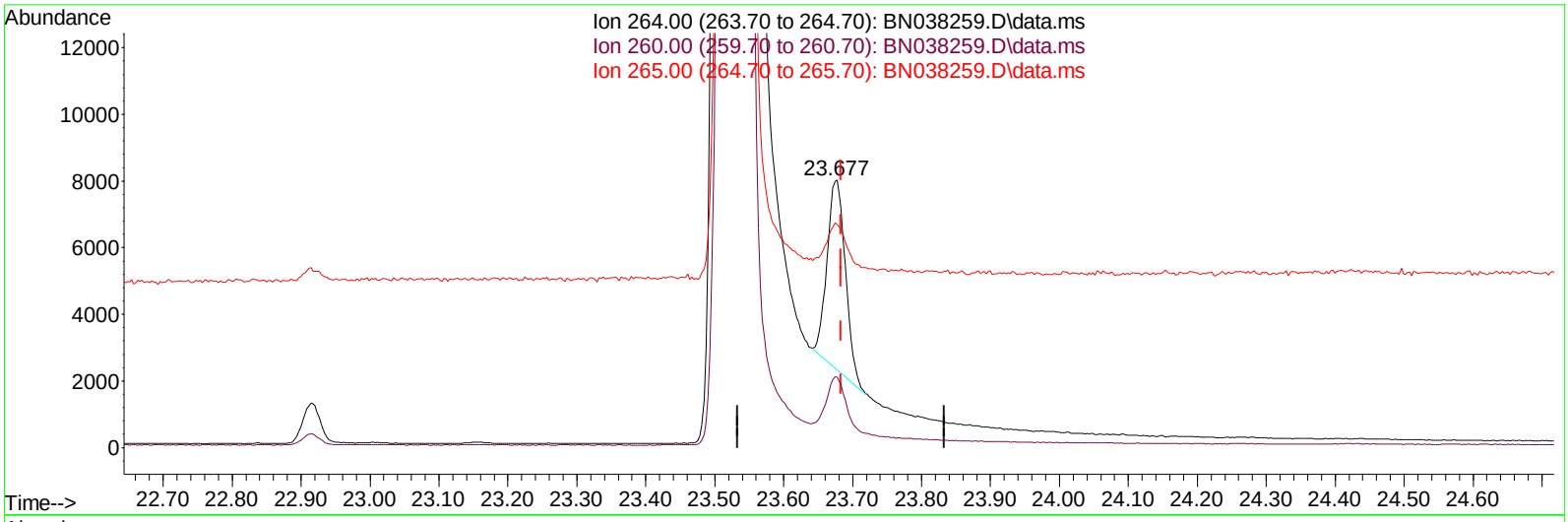
Quantitation Report (Qedit)

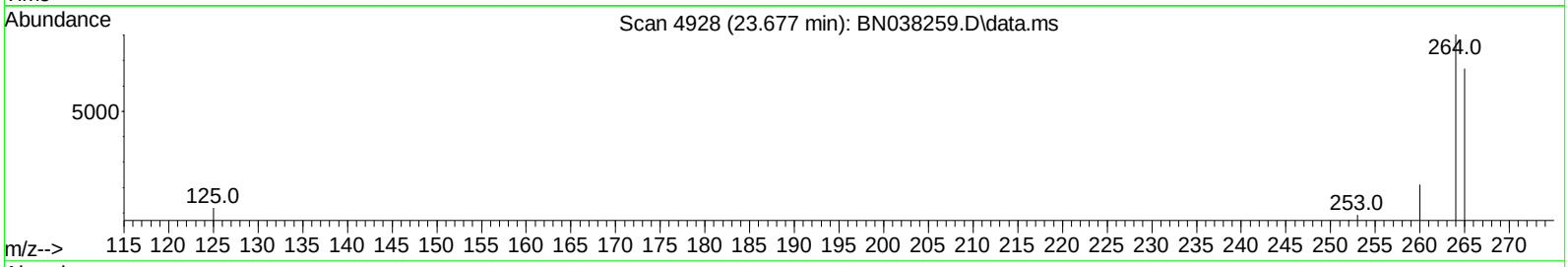
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Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

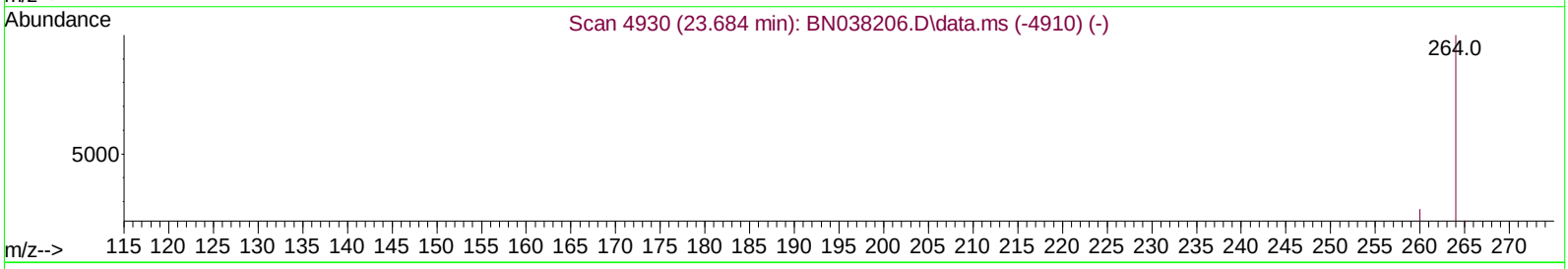
Quant Time: Dec 03 00:54:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM







TIC: BN038259.D\data.ms

(23) Perylene-d12 (I)

23.677min (-0.006) 0.40 ng/ul m

response 10359

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.29
265.00	124.40	83.30#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038259.D
Acq On : 02 Dec 2025 17:38
Operator : RC/JU
Sample : Q3688-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-32S

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:25 PM

Quant Time: Dec 03 00:54:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8179	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	26708	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	15008	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	24271m	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	12403m	0.400	ng/ul	0.00
23) Perylene-d12	23.677	264	10359m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	45300	5.279	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	10762	0.283	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	19747m	0.410	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251119

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-04
Sample wt/vol : 970 (g/mL) mL
Lab File ID : BN038256.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.040	J

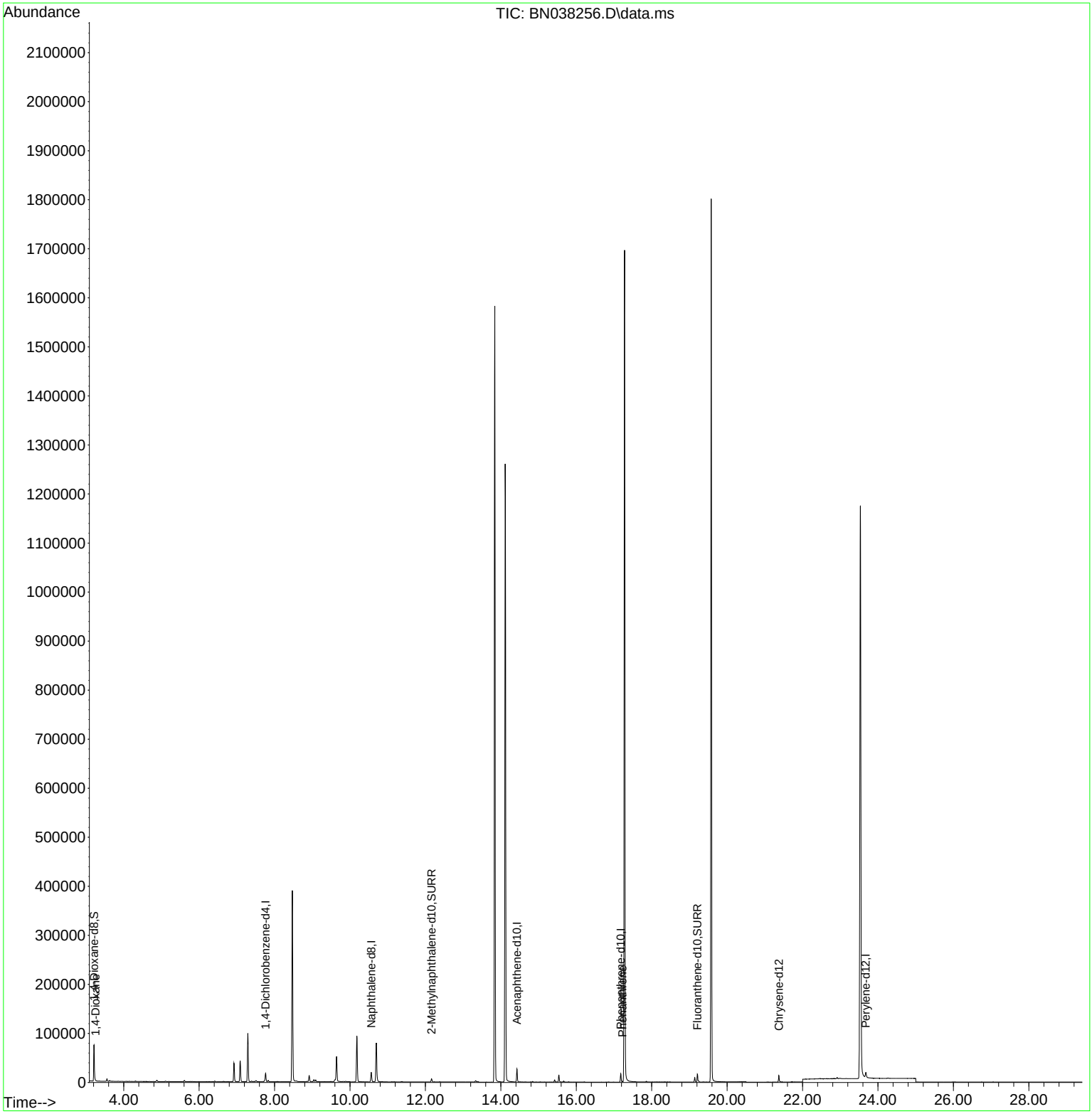
Quantitation Report (QT Reviewed)

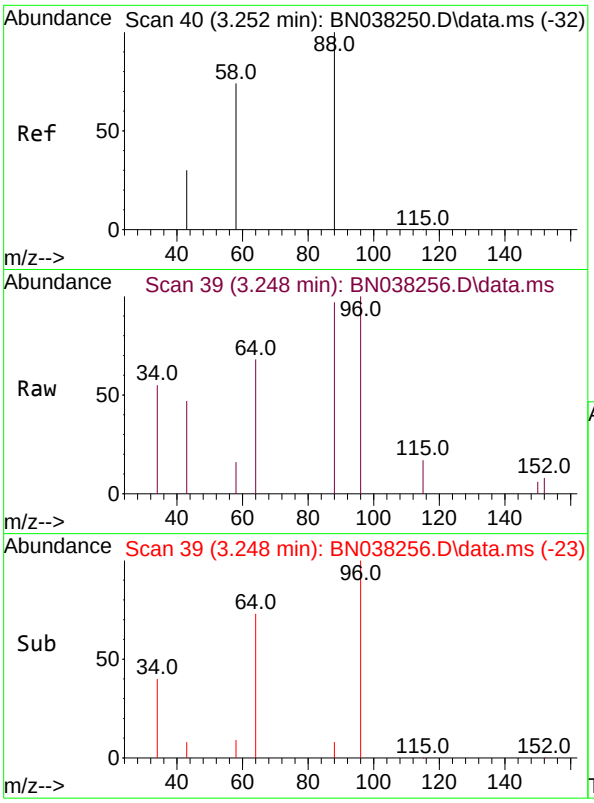
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Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM

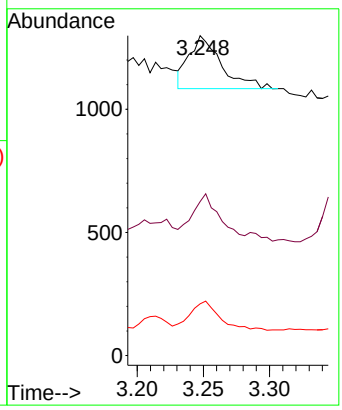




#2
1,4-Dioxane
Concen: 0.038 ng/ul
RT: 3.248 min Scan# 39
Delta R.T. -0.004 min
Lab File: BN038256.D
Acq: 02 Dec 2025 15:49

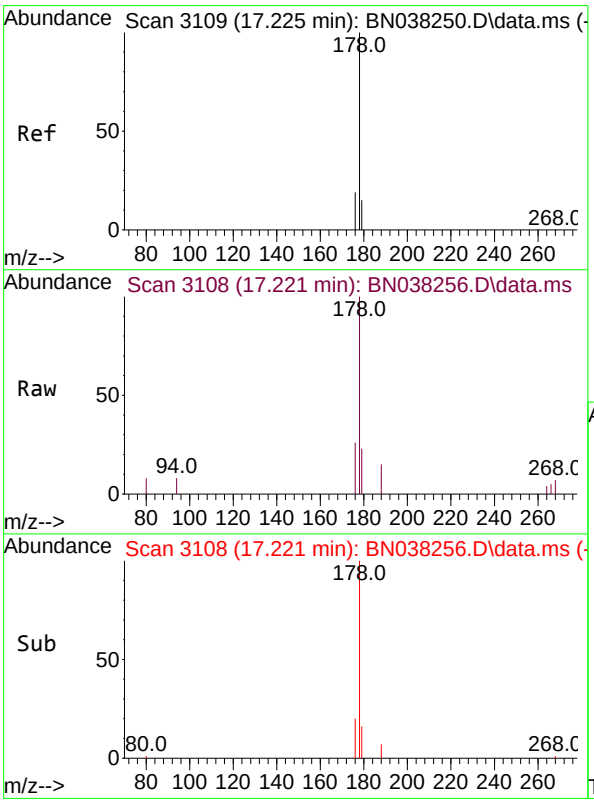
Tgt Ion: 88 Resp: 364

Ion	Ratio	Lower	Upper
88	100		
43	48.1	27.5	41.3#
58	16.2	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

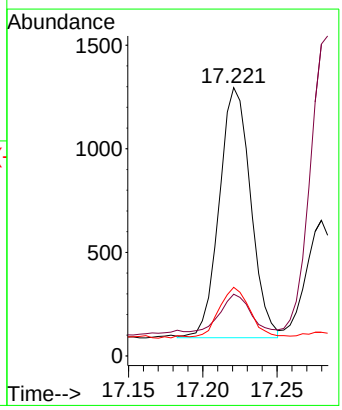
Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM



#15
Phenanthrene
Concen: 0.028 ng/ul m
RT: 17.221 min Scan# 3108
Delta R.T. -0.010 min
Lab File: BN038256.D
Acq: 02 Dec 2025 15:49

Tgt Ion:178 Resp: 1776

Ion	Ratio	Lower	Upper
178	100		
179	23.0	12.4	18.6#
176	25.6	15.8	23.6#



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM

Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8560	0.400	ng/ul	0.00
4) Naphthalene-d8	10.566	136	26868	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.426	164	14263	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	20251m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.372	240	13047m	0.400	ng/ul	0.00
23) Perylene-d12	23.678	264	11964m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	45507	5.067	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	8974	0.234	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	17664m	0.348	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	364	0.038	ng/ul#	52
15) Phenanthrene	17.221	178	1776m	0.028	ng/ul	

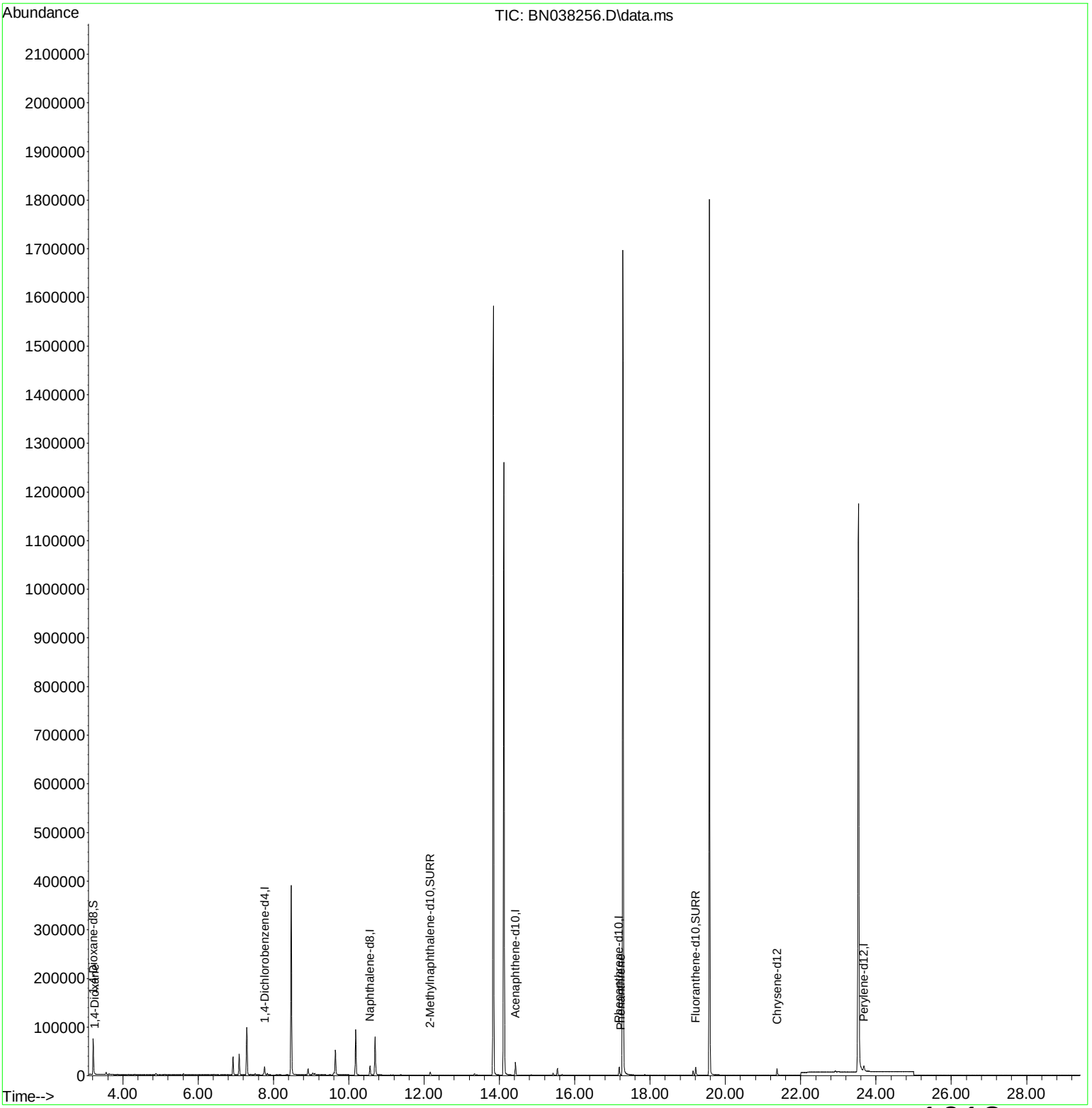
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM



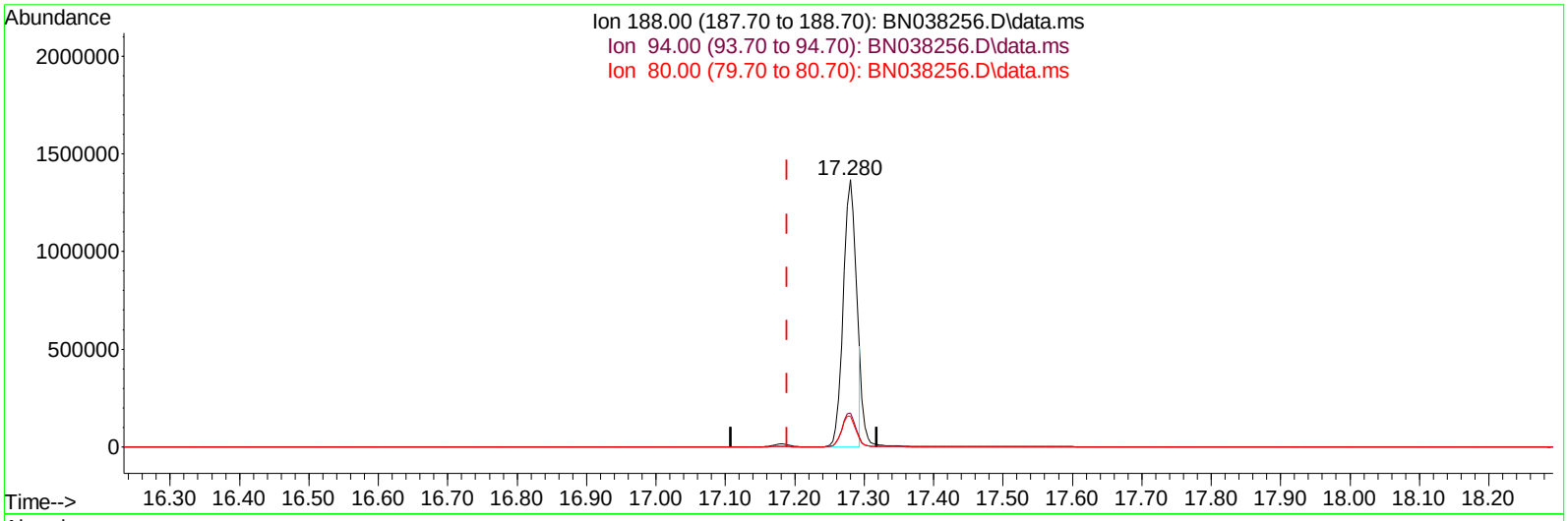
Quantitation Report (Qedit)

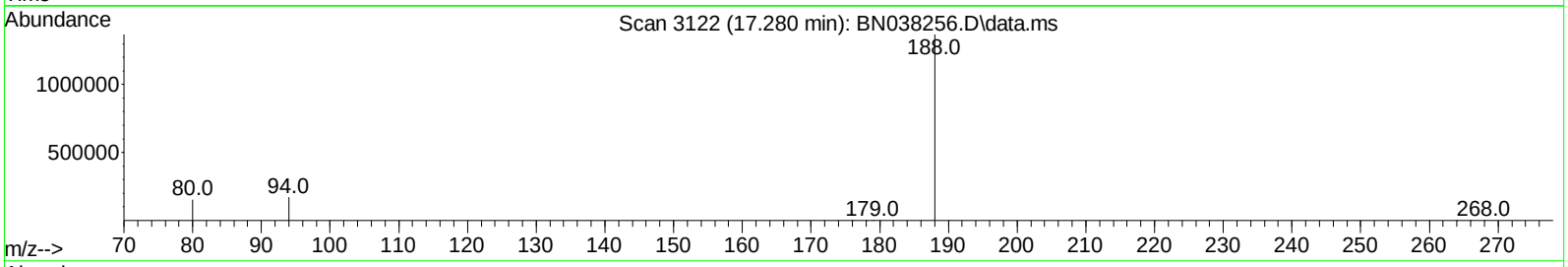
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Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

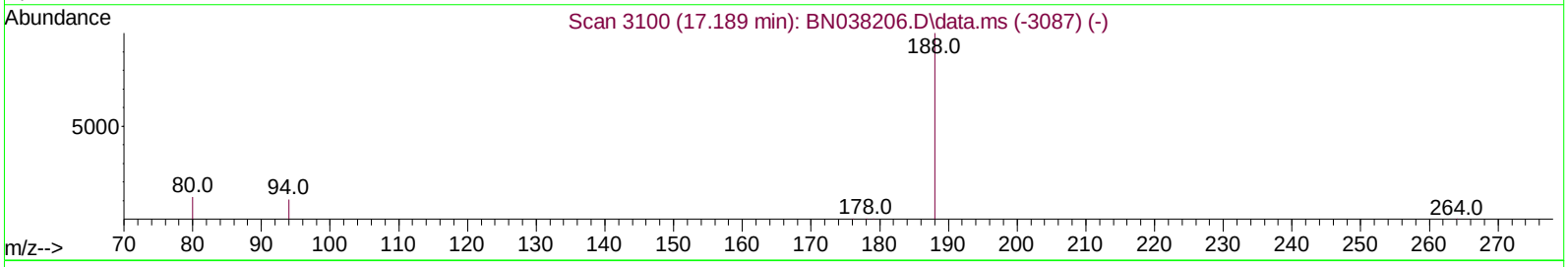
Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(13) Phenanthrene-d10 (I)

17.280min (+ 0.091) 0.40 ng/ul

response 1765419

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.52
80.00	12.20	11.36
0.00	0.00	0.00

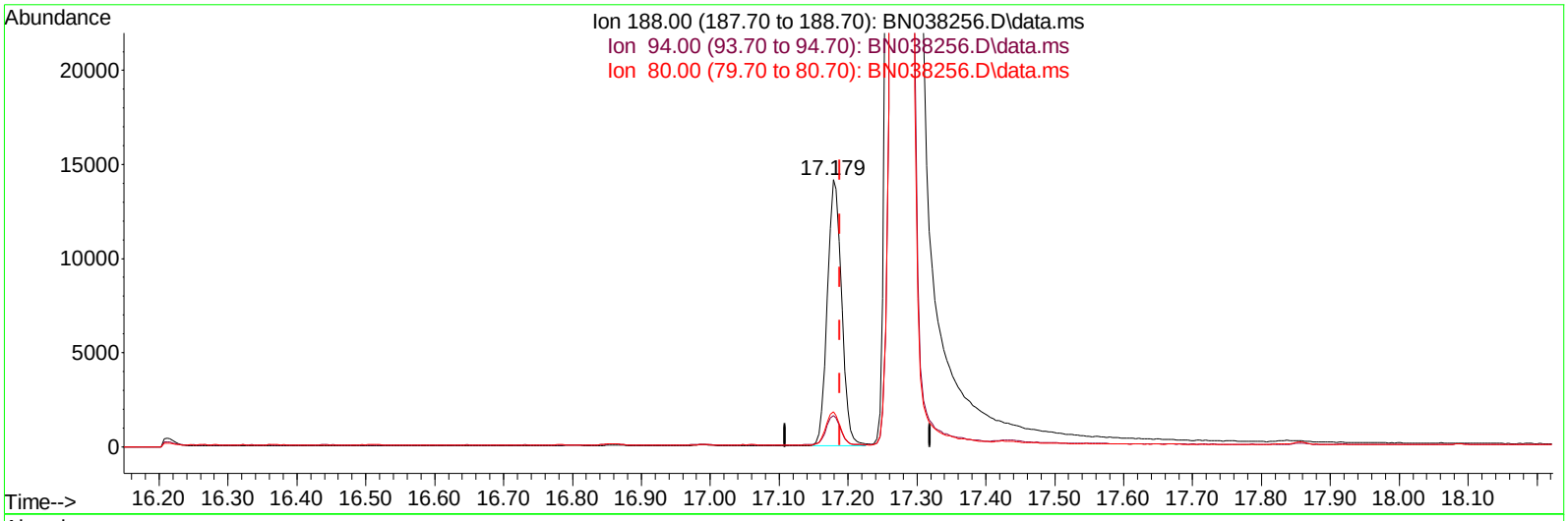
Quantitation Report (Qedit)

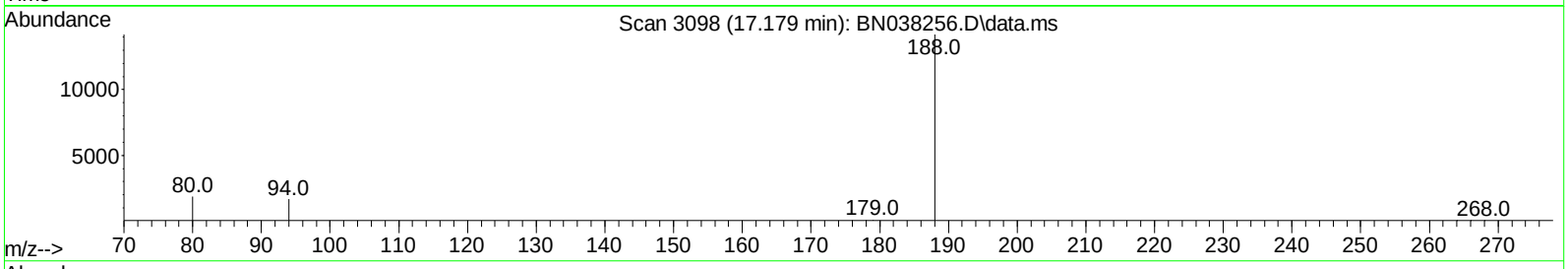
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

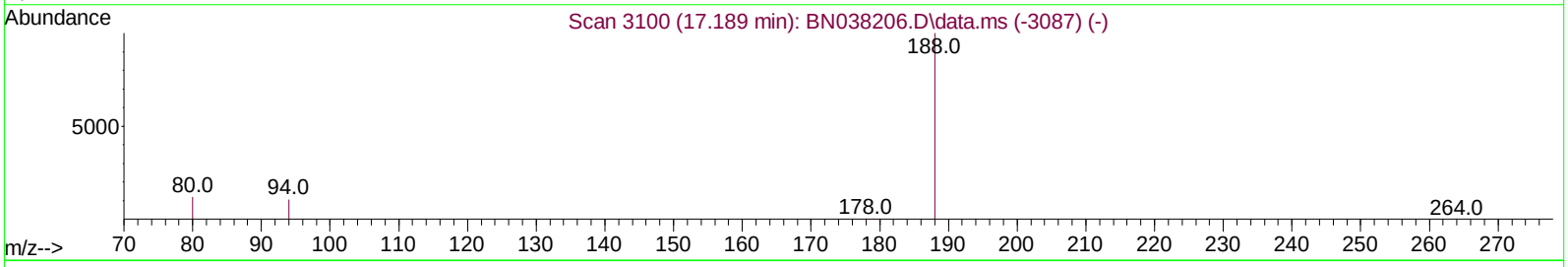
Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(13) Phenanthrene-d10 (I)

17.179min (-0.010) 0.40 ng/ul m

response 20251

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.76
80.00	12.20	13.15
0.00	0.00	0.00

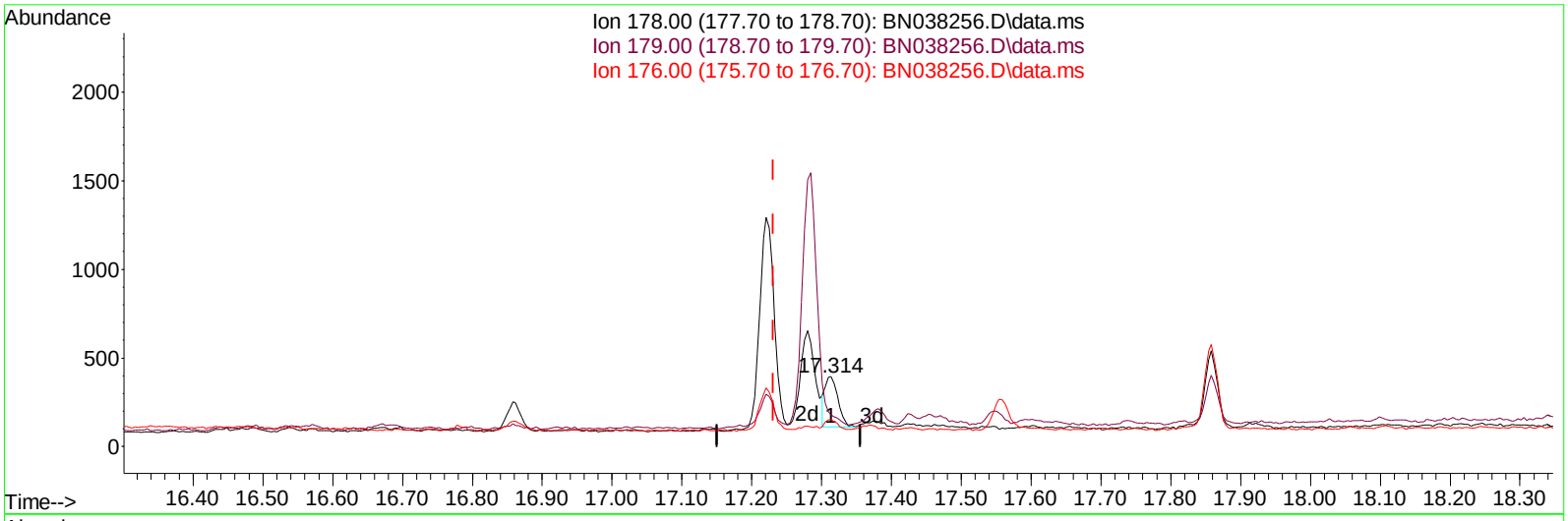
Quantitation Report (Qedit)

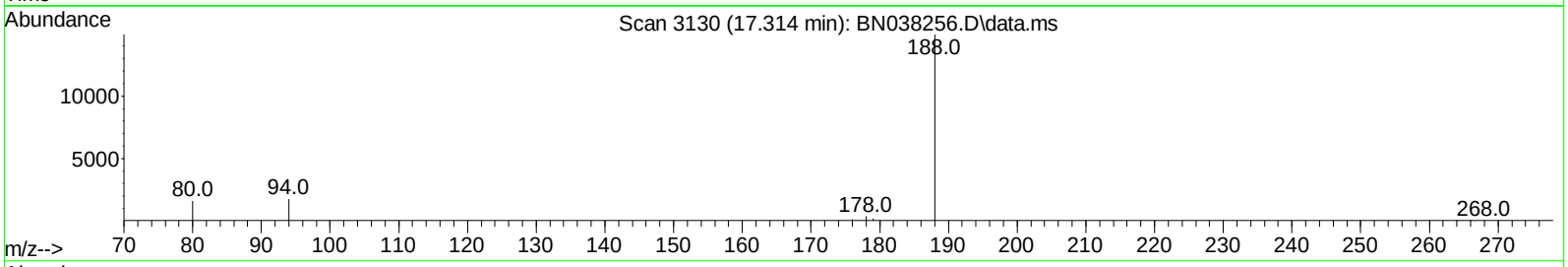
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Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

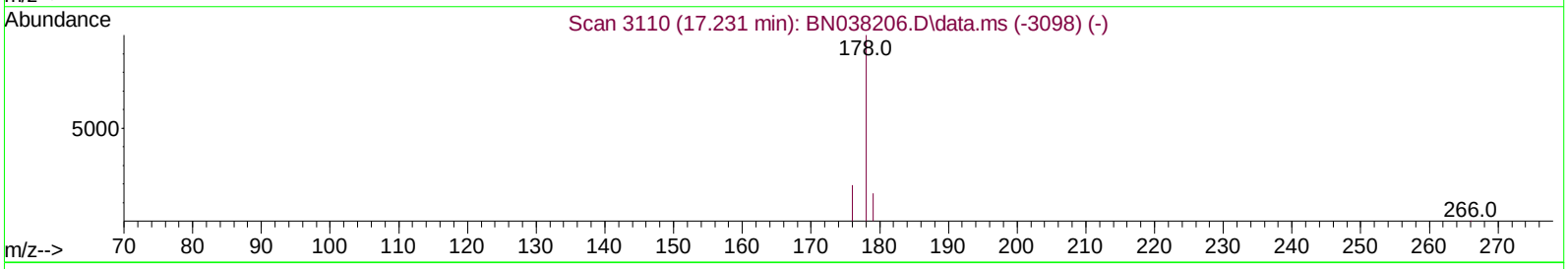
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(15) Phenanthrene

17.314min (+ 0.083) 0.01 ng/ul

response 363

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.50	45.57#
176.00	19.70	39.49#
0.00	0.00	0.00

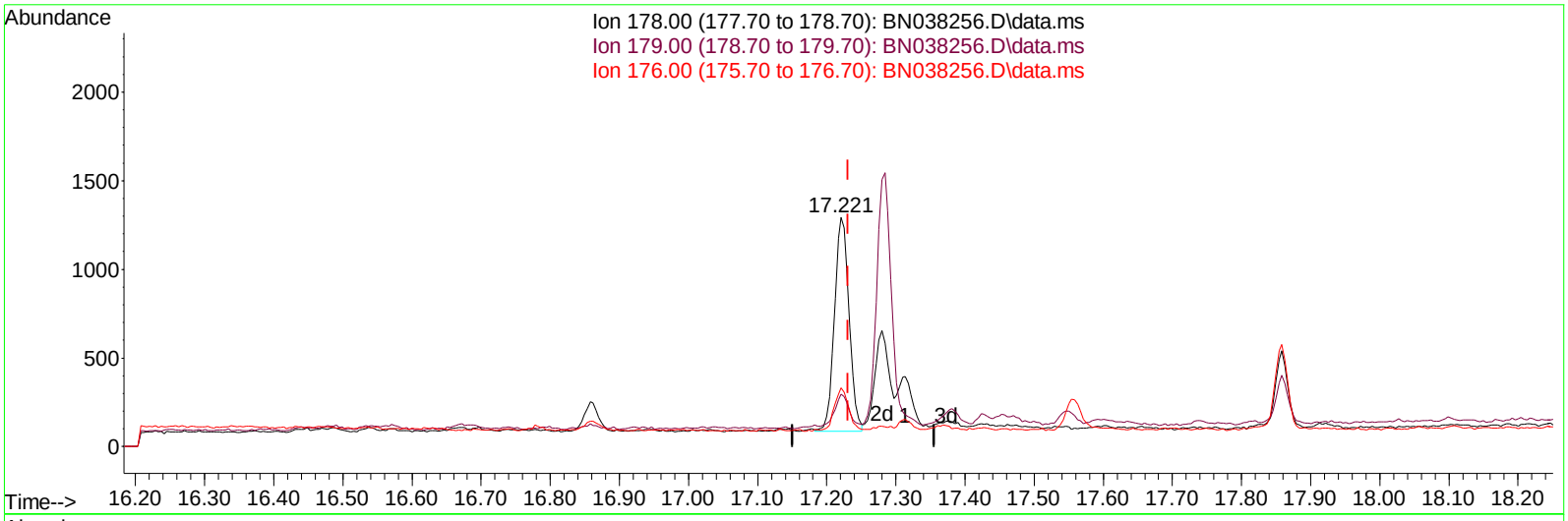
Quantitation Report (Qedit)

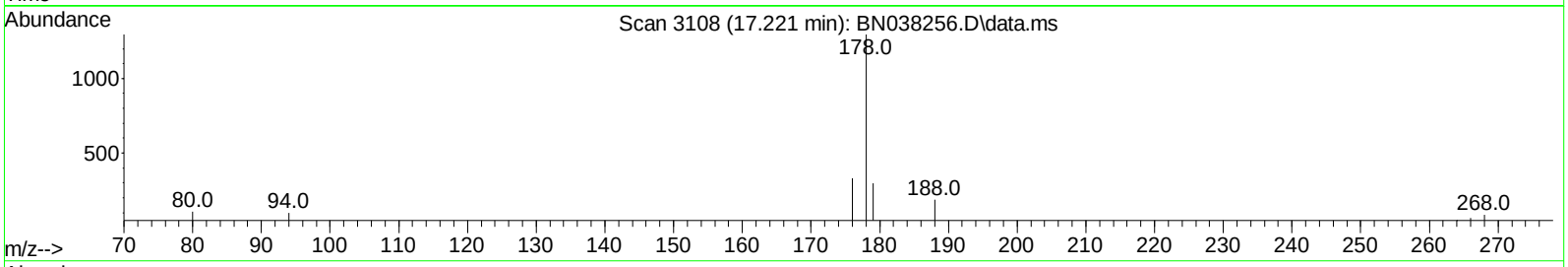
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Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

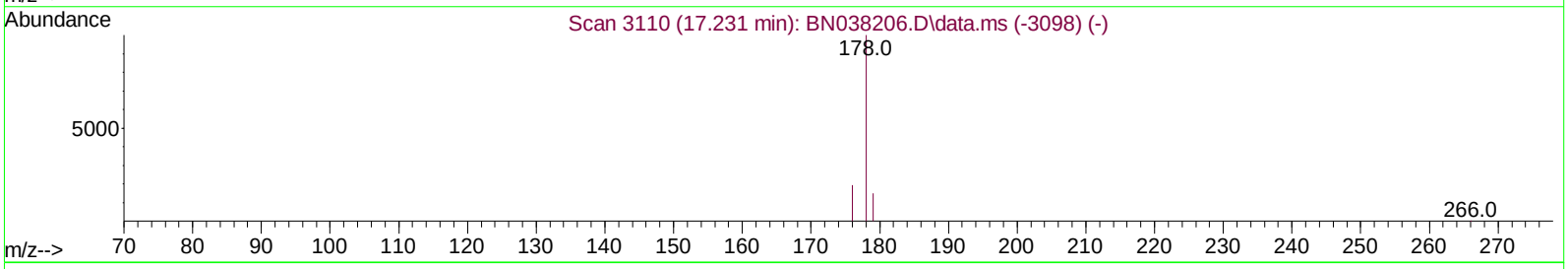
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(15) Phenanthrene

17.221min (-0.010) 0.03 ng/ul m

response 1776

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.50	23.01#
176.00	19.70	25.56#
0.00	0.00	0.00

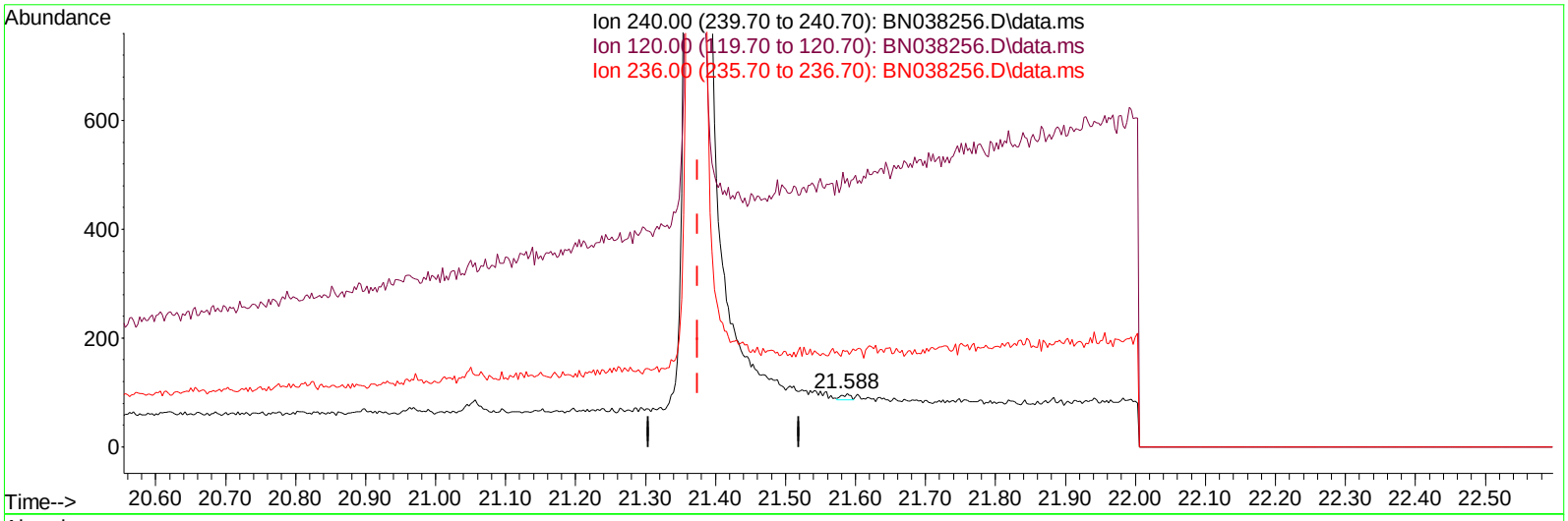
Quantitation Report (Qedit)

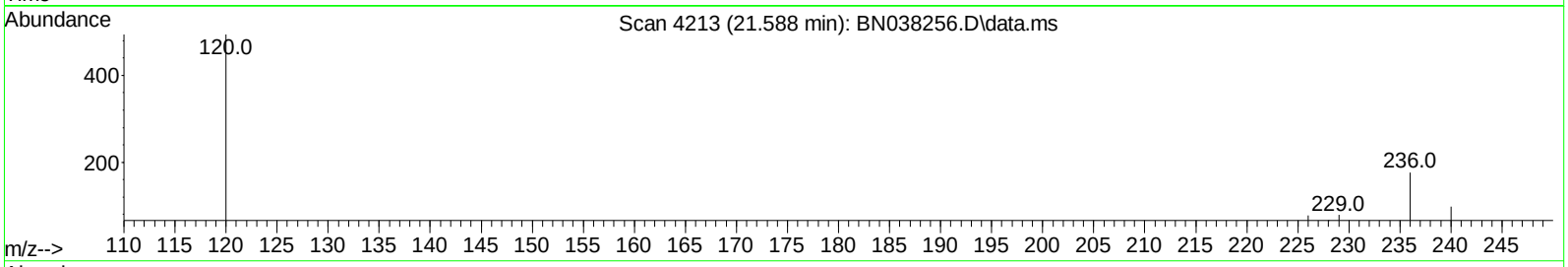
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Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

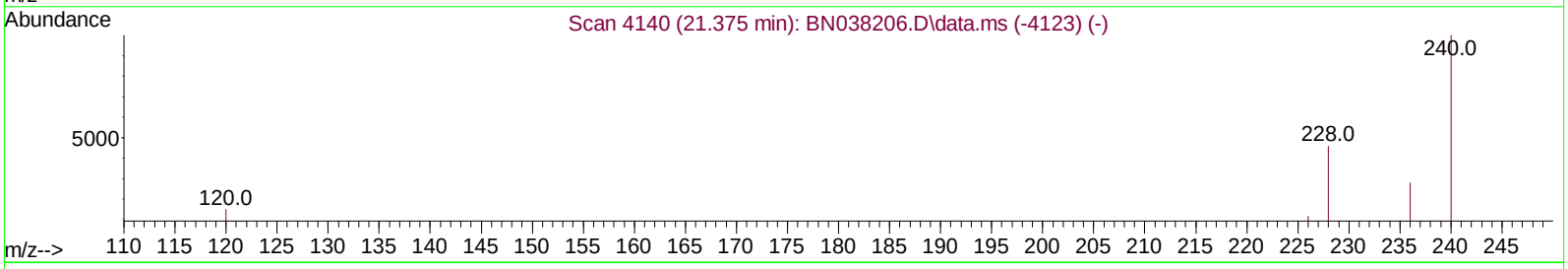
Quant Time: Dec 03 00:36:45 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(17) Chrysene-d12

21.588min (+ 0.213) 0.40 ng/ul

response 9

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	504.08#
236.00	29.60	180.61#
0.00	0.00	0.00

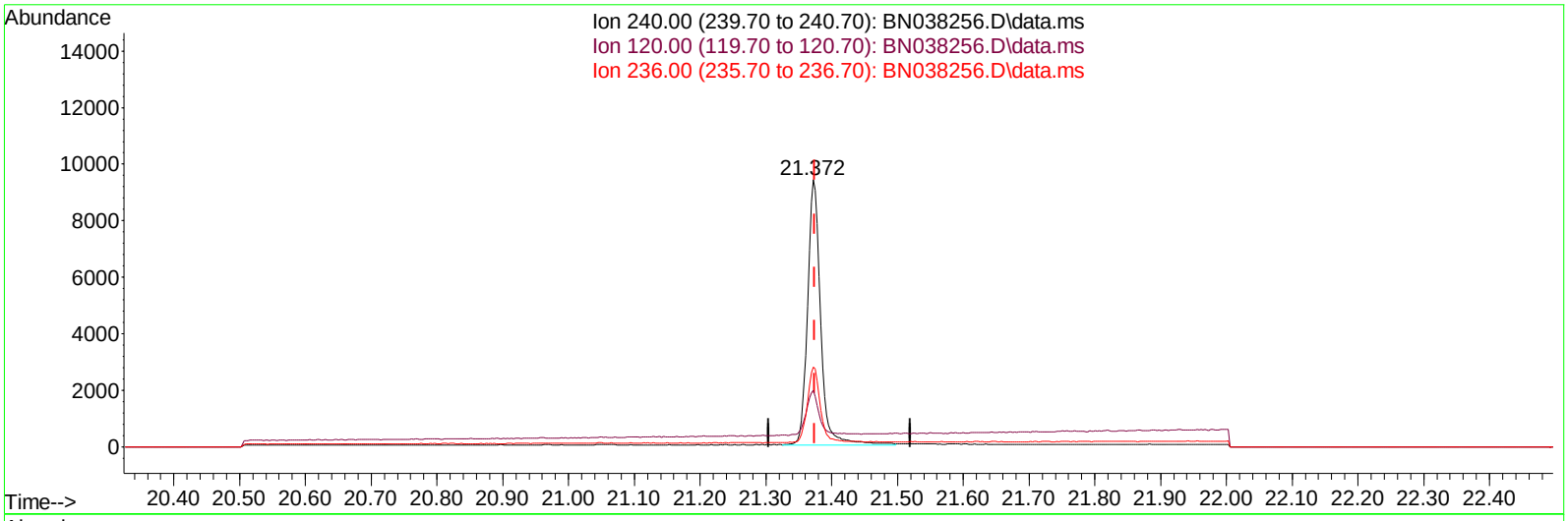
Quantitation Report (Qedit)

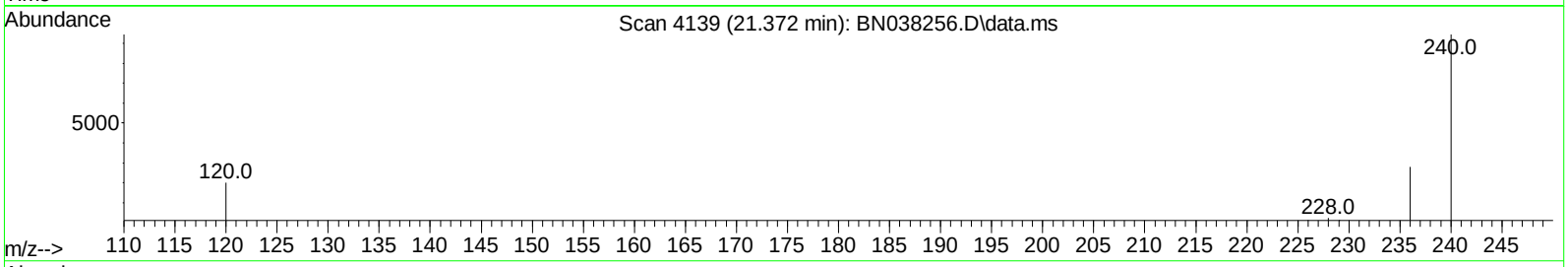
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Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

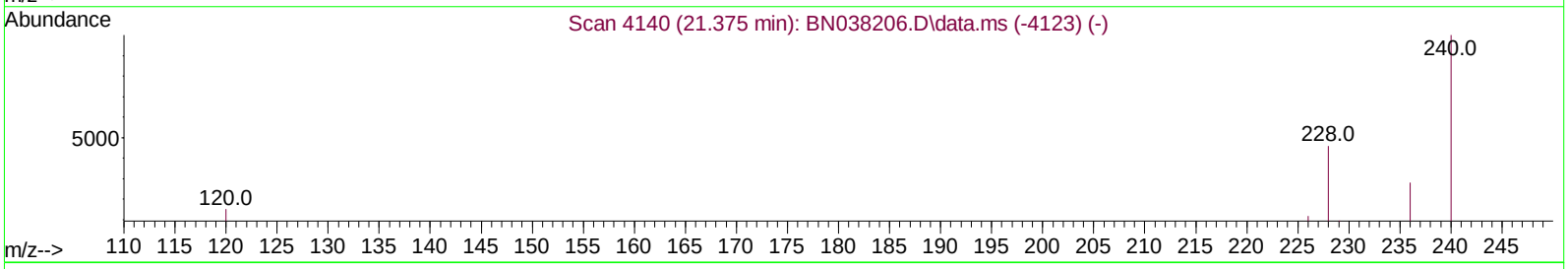
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(17) Chrysene-d12

21.372min (-0.003) 0.40 ng/ul m

response 13047

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.21
236.00	29.60	29.73
0.00	0.00	0.00

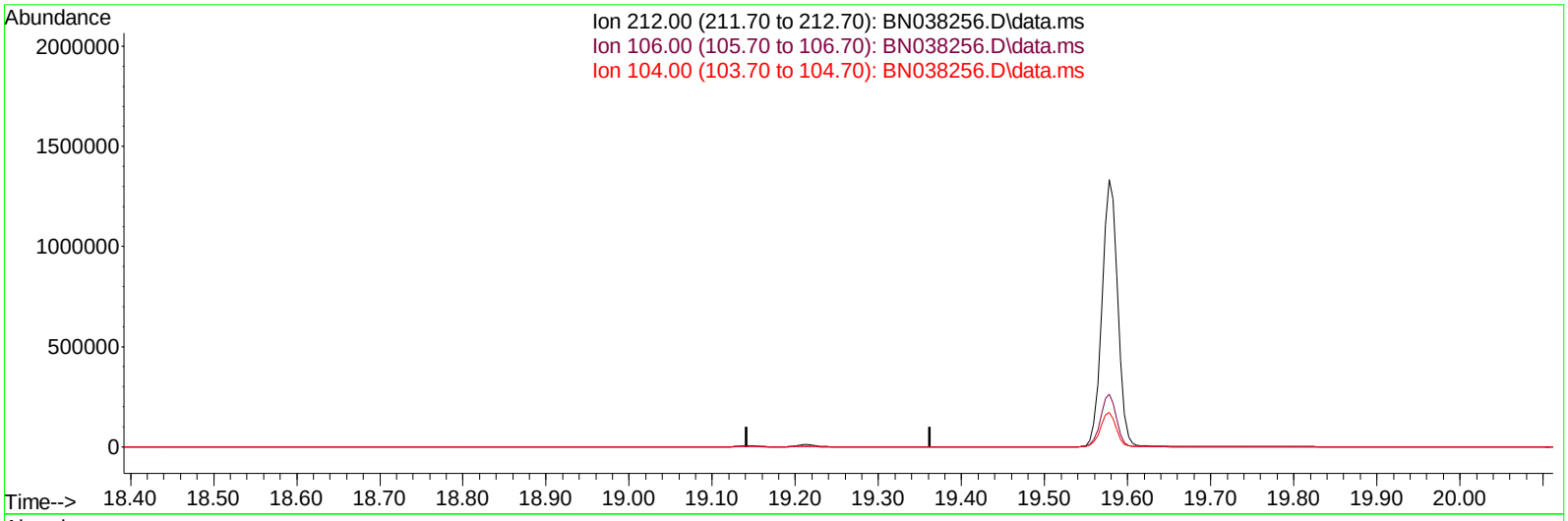
Quantitation Report (Qedit)

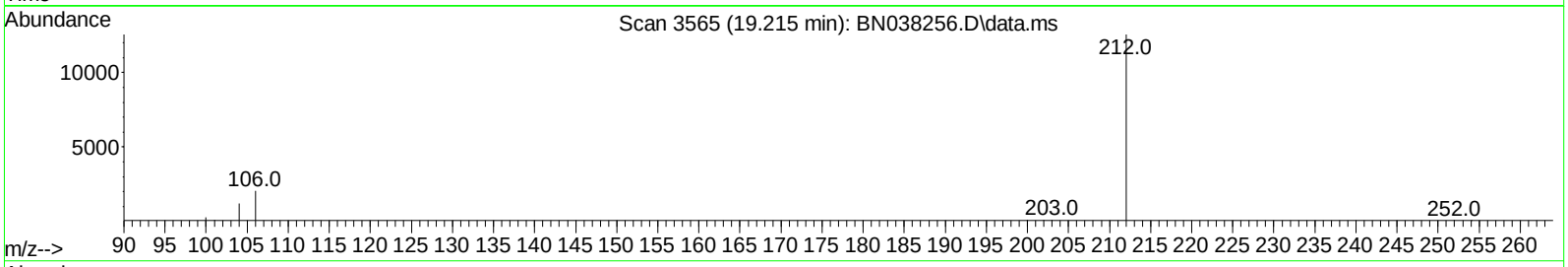
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Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

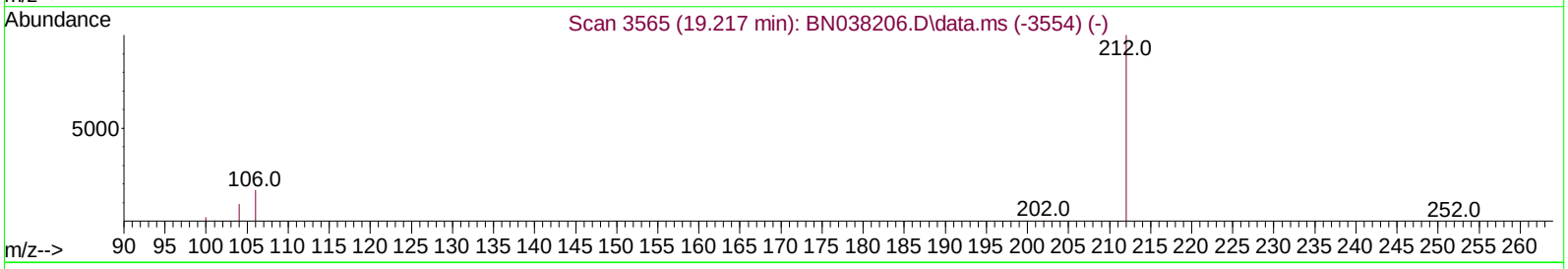
Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.217min (-19.217) 0.00 ng/ul

response 0

Ion	Exp%	Act%
212.00	100.00	0.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

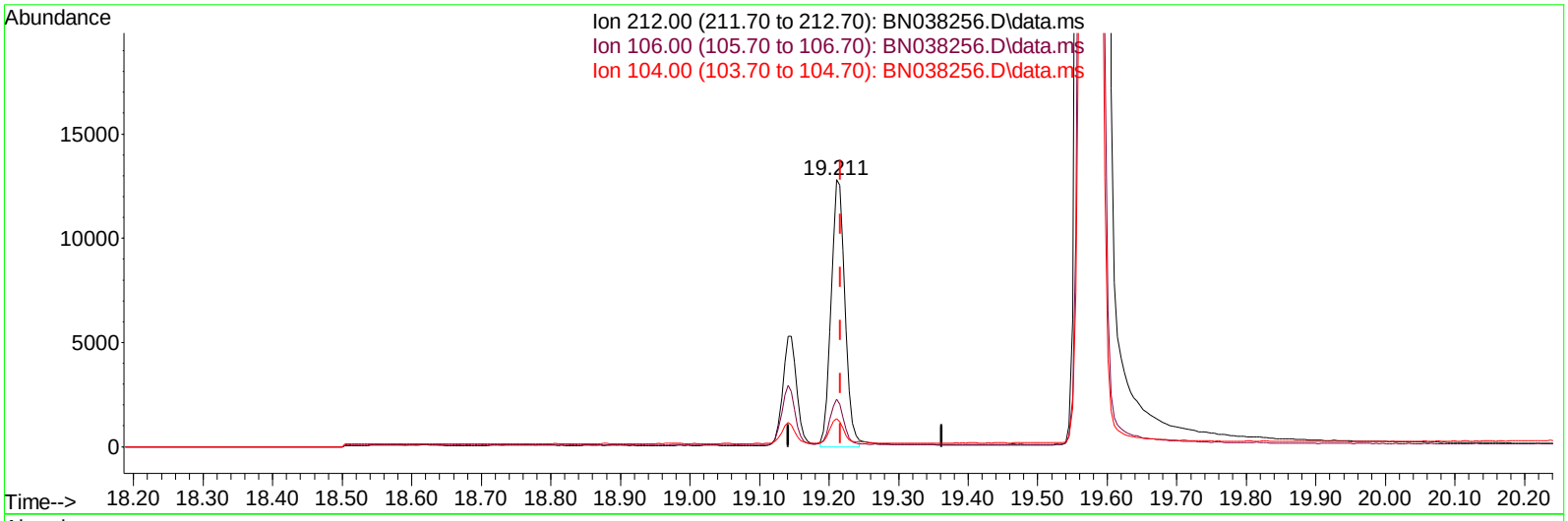
Quantitation Report (Qedit)

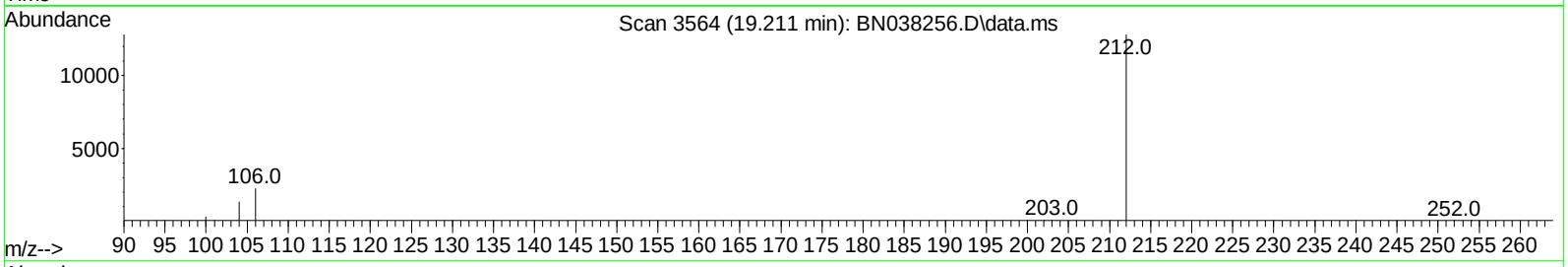
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

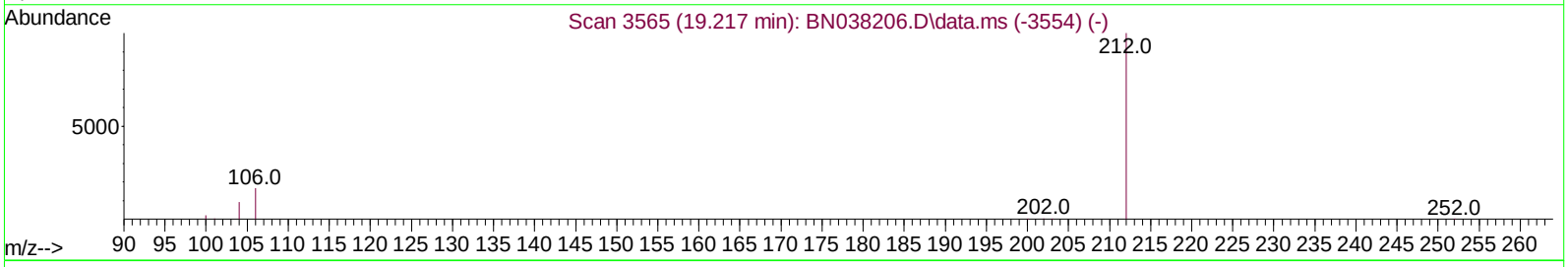
Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.211min (-0.006) 0.35 ng/ul m

response 17664

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

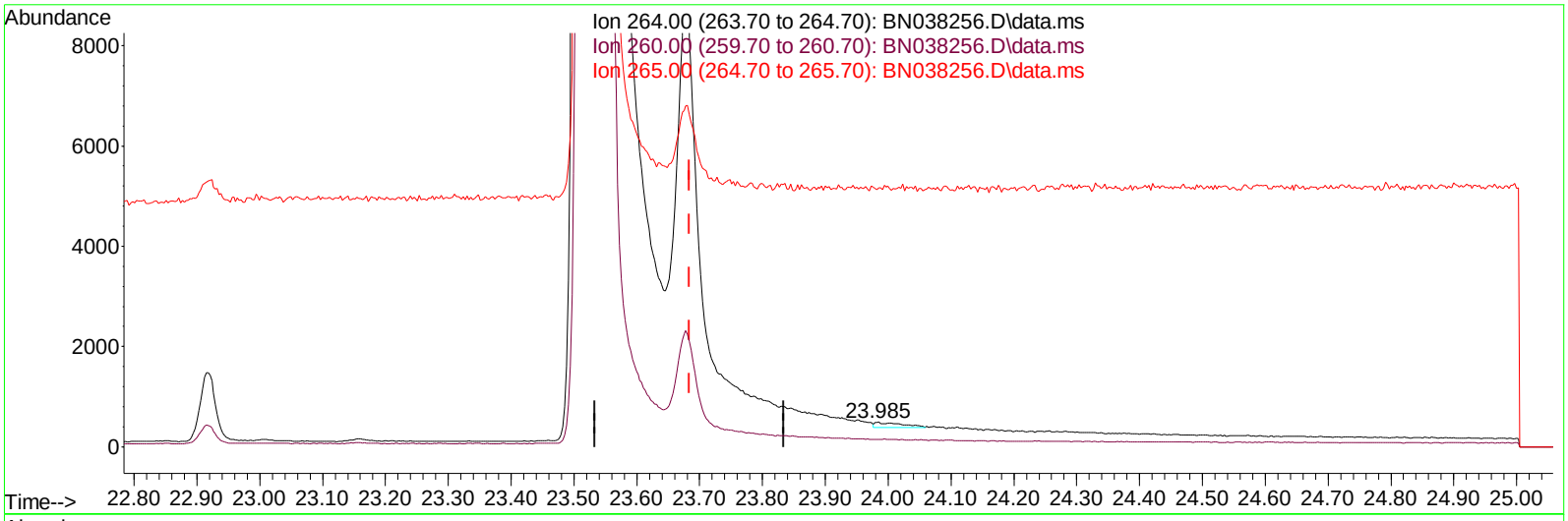
Quantitation Report (Qedit)

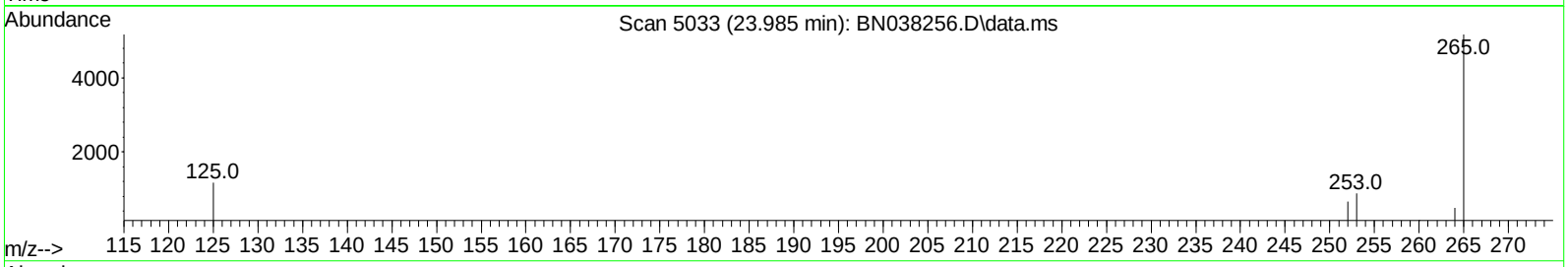
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

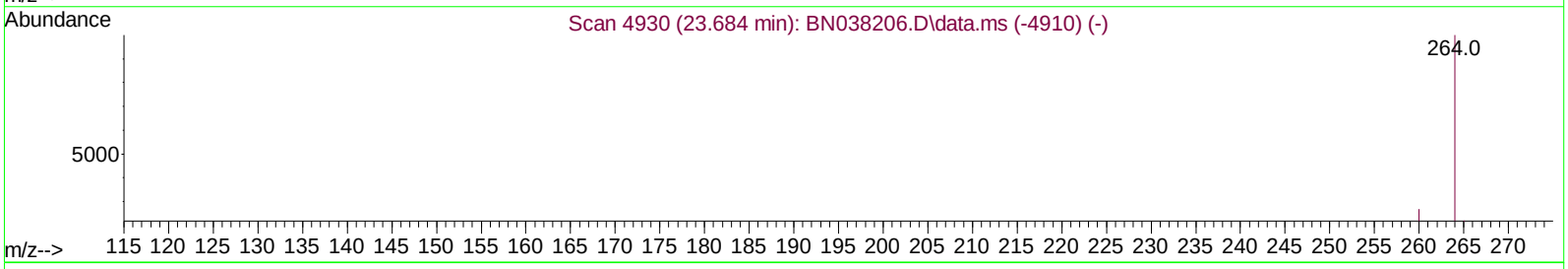
Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(23) Perylene-d12 (I)

23.985min (+ 0.301) 0.40 ng/ul

response 280

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	30.63
265.00	124.40	1048.48#
0.00	0.00	0.00

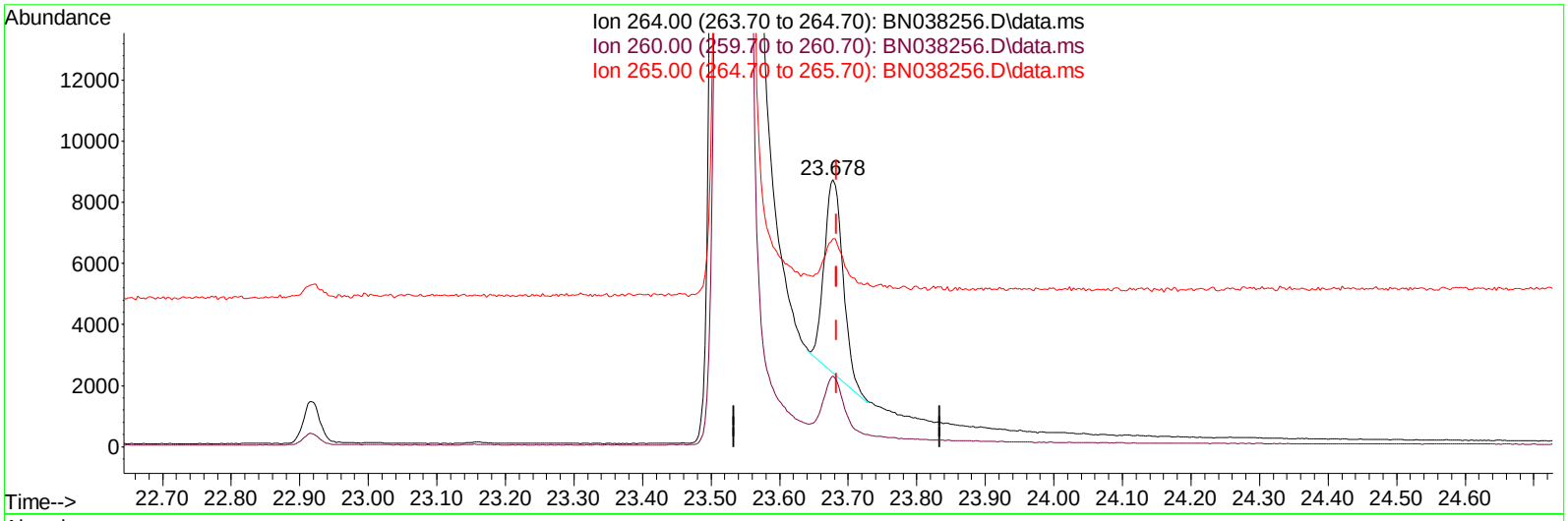
Quantitation Report (Qedit)

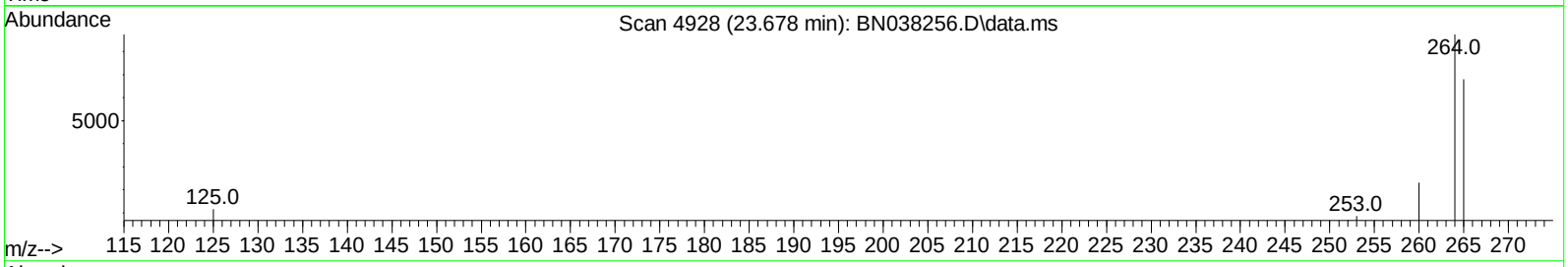
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Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

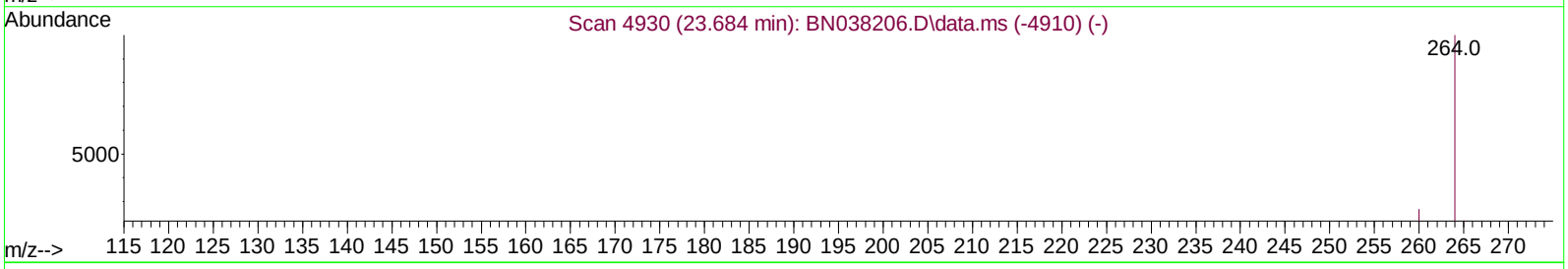
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM







TIC: BN038256.D\data.ms

(23) Perylene-d12 (I)

23.678min (-0.006) 0.40 ng/ul m

response 11964

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.49
265.00	124.40	77.81#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038256.D
Acq On : 02 Dec 2025 15:49
Operator : RC/JU
Sample : Q3688-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RBGW-20251119

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:14 PM

Quant Time: Dec 03 00:36:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8560	0.400	ng/ul	0.00
4) Naphthalene-d8	10.566	136	26868	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.426	164	14263	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	20251m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.372	240	13047m	0.400	ng/ul	0.00
23) Perylene-d12	23.678	264	11964m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	45507	5.067	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	8974	0.234	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	17664m	0.348	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	364	0.038	ng/ul#	52
15) Phenanthrene	17.221	178	1776m	0.028	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251120

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-11
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038260.D
% Solids :
Date Received : 11/20/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.050	J

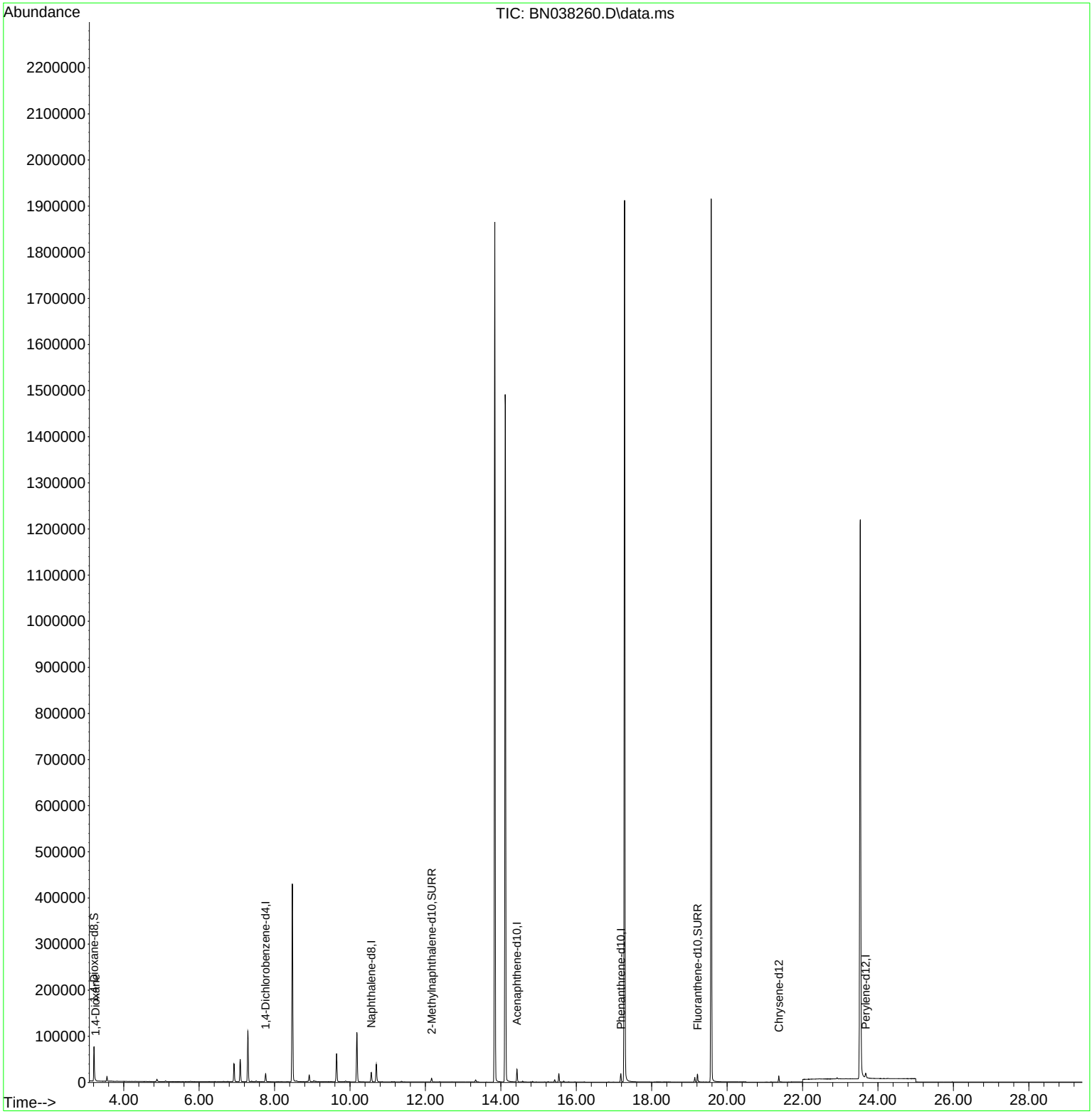
Quantitation Report (QT Reviewed)

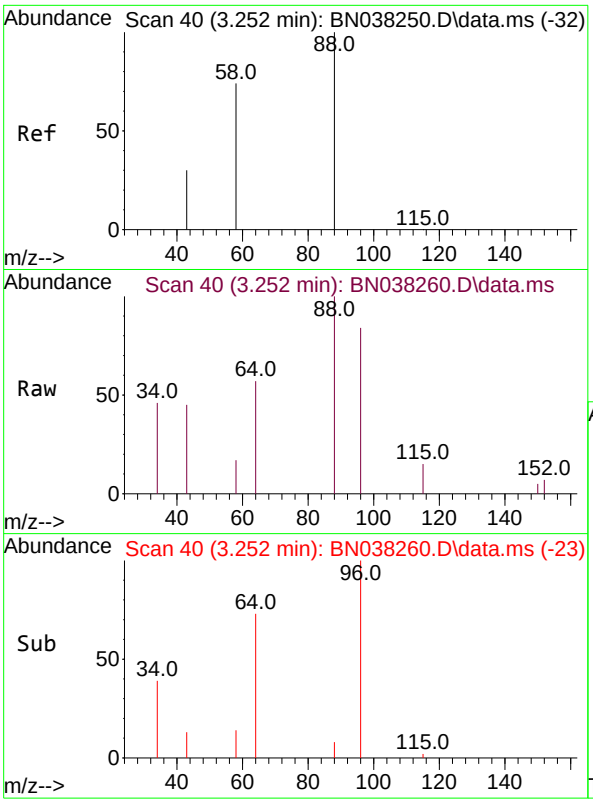
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Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM

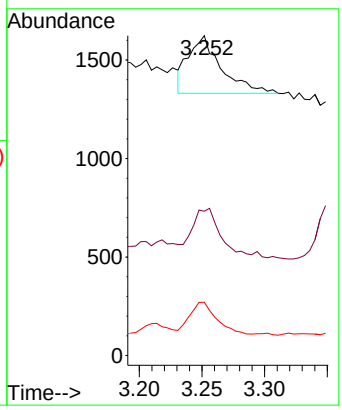




#2
1,4-Dioxane
Concen: 0.054 ng/ul
RT: 3.252 min Scan# 40
Delta R.T. 0.000 min
Lab File: BN038260.D
Acq: 02 Dec 2025 18:15

Tgt Ion: 88 Resp: 538

Ion	Ratio	Lower	Upper
88	100		
43	45.1	27.5	41.3#
58	16.7	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM

Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8734	0.400	ng/ul	0.00
4) Naphthalene-d8	10.566	136	28184	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.426	164	15261	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.183	188	22280m	0.400	ng/ul	0.00
17) Chrysene-d12	21.372	240	12995m	0.400	ng/ul	0.00
23) Perylene-d12	23.675	264	11448m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	46768	5.103	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.167	152	11222	0.279	ng/ul	0.00
18) Fluoranthene-d10	19.215	212	19161m	0.379	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	538	0.054	ng/ul#	55

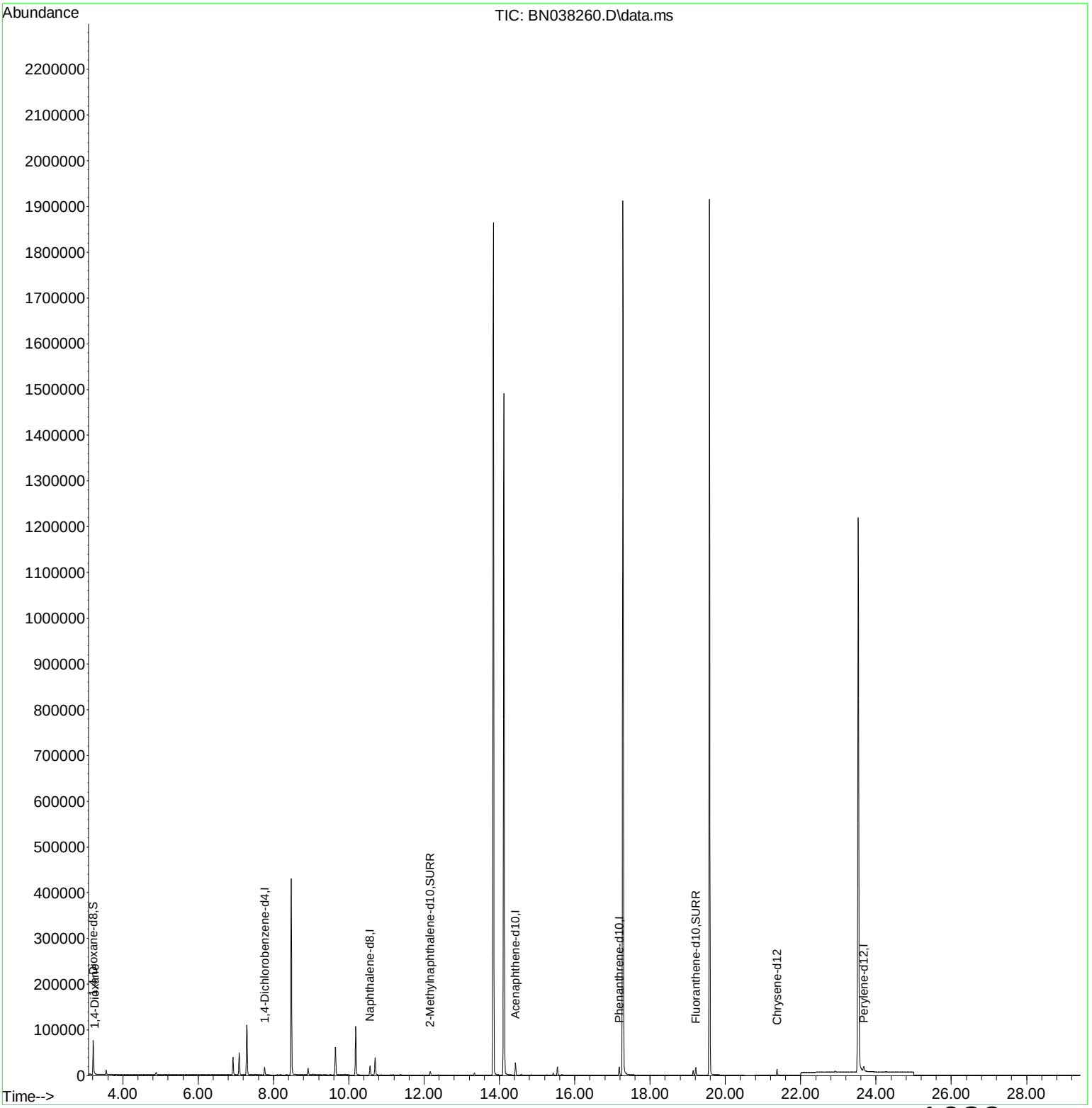
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM



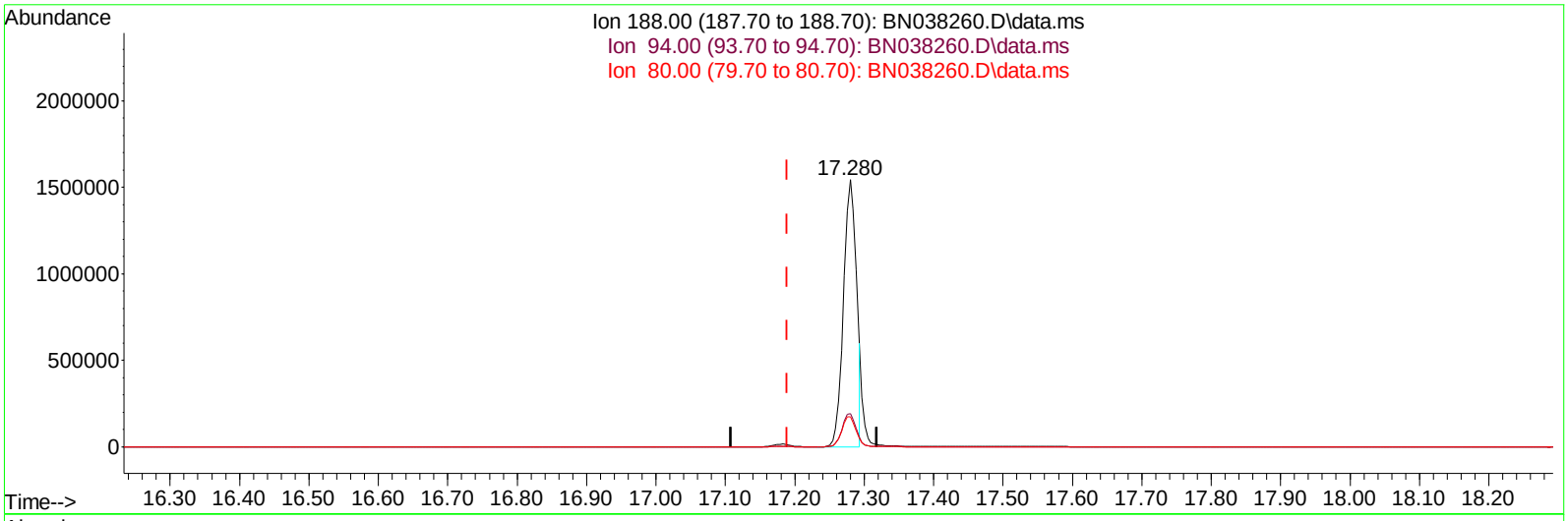
Quantitation Report (Qedit)

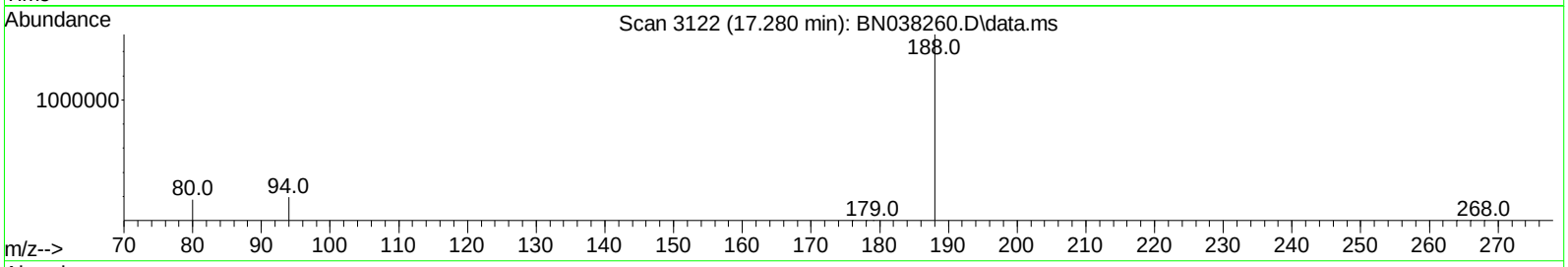
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Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

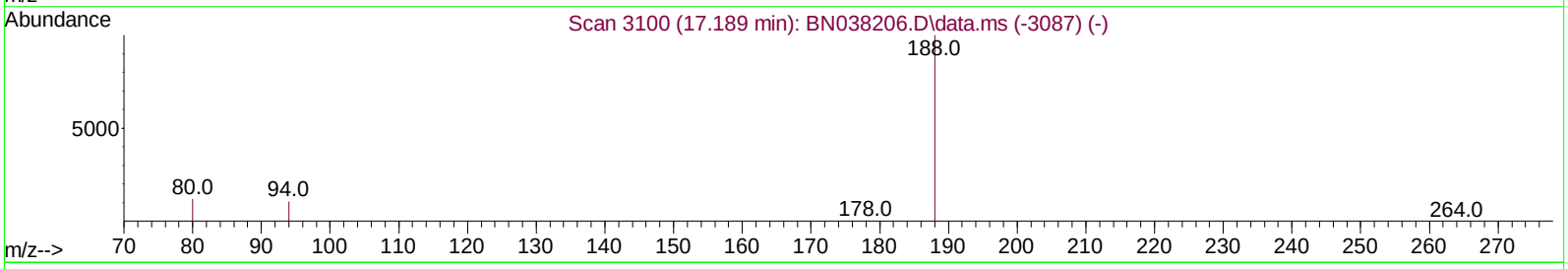
Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM







TIC: BN038260.D\data.ms

(13) Phenanthrene-d10 (I)

17.280min (+ 0.091) 0.40 ng/ul

response 1990724

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.46
80.00	12.20	11.28
0.00	0.00	0.00

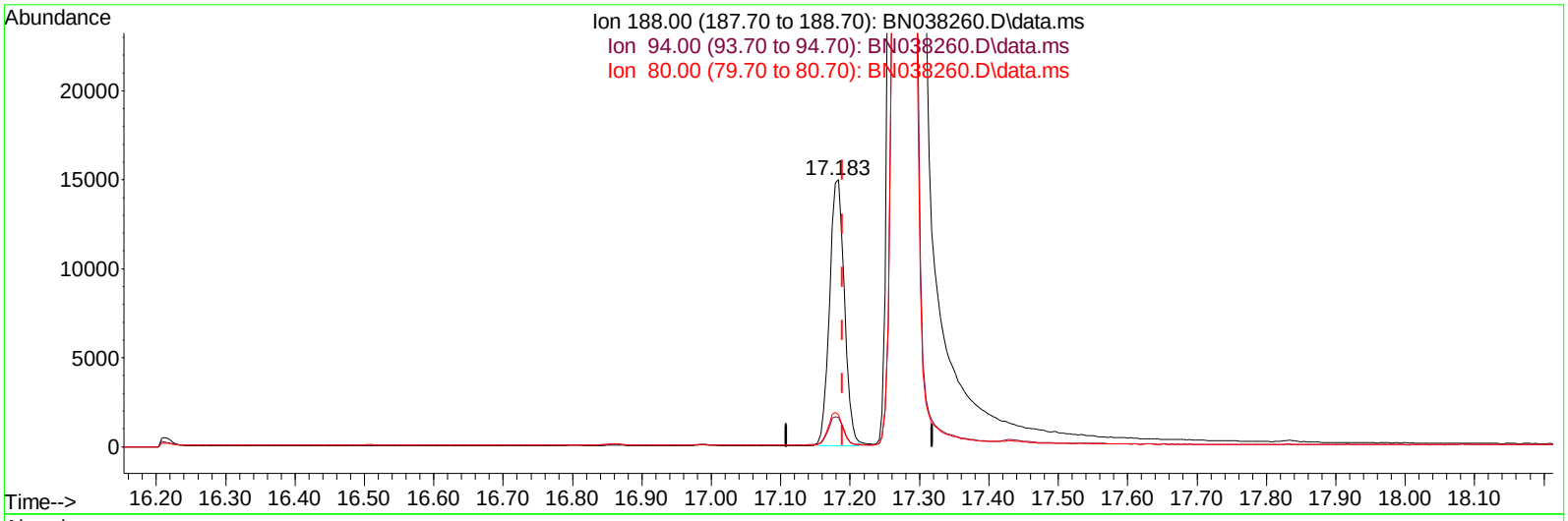
Quantitation Report (Qedit)

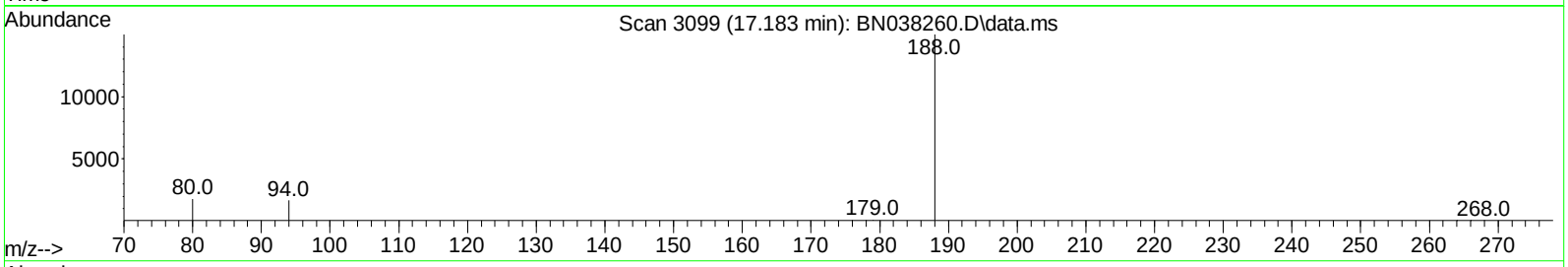
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Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

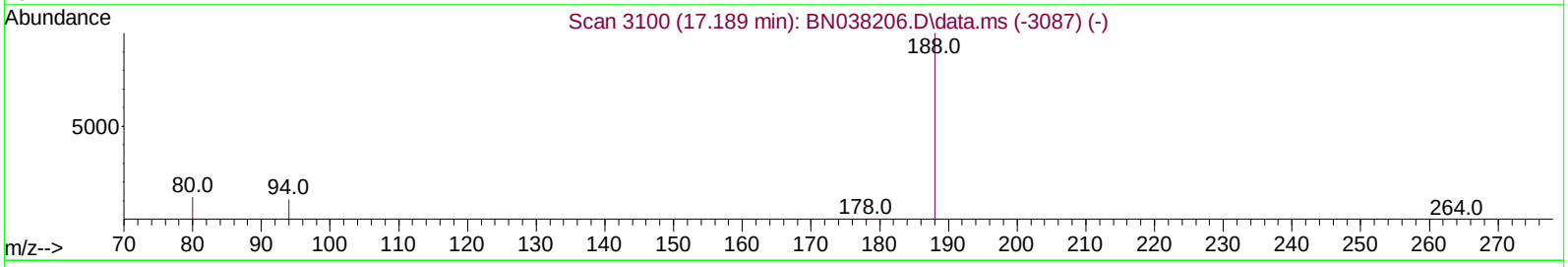
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM







TIC: BN038260.D\data.ms

(13) Phenanthrene-d10 (I)

17.183min (-0.006) 0.40 ng/ul m

response 22280

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.08
80.00	12.20	11.96
0.00	0.00	0.00

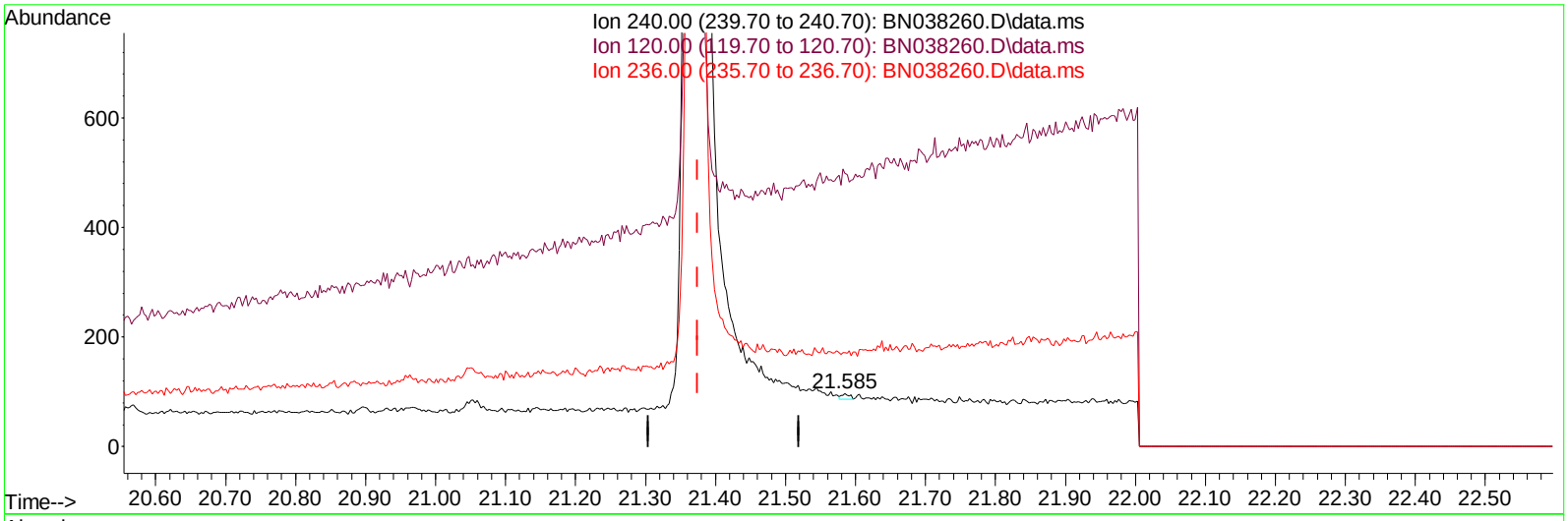
Quantitation Report (Qedit)

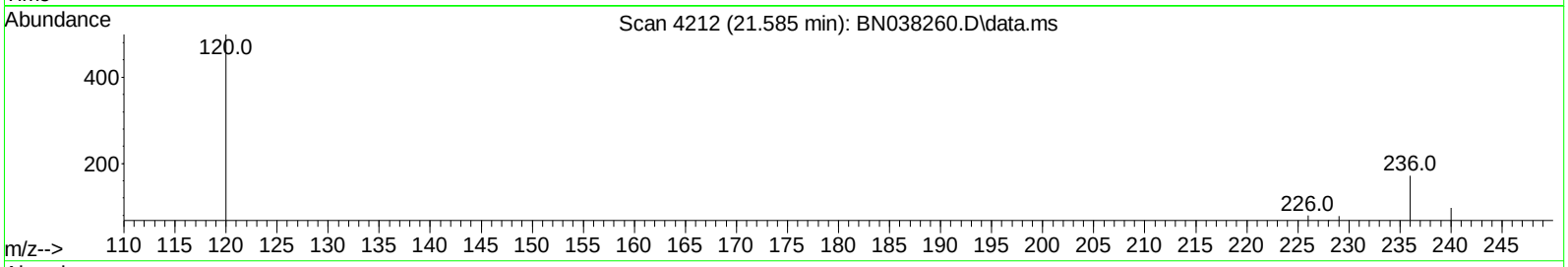
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Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

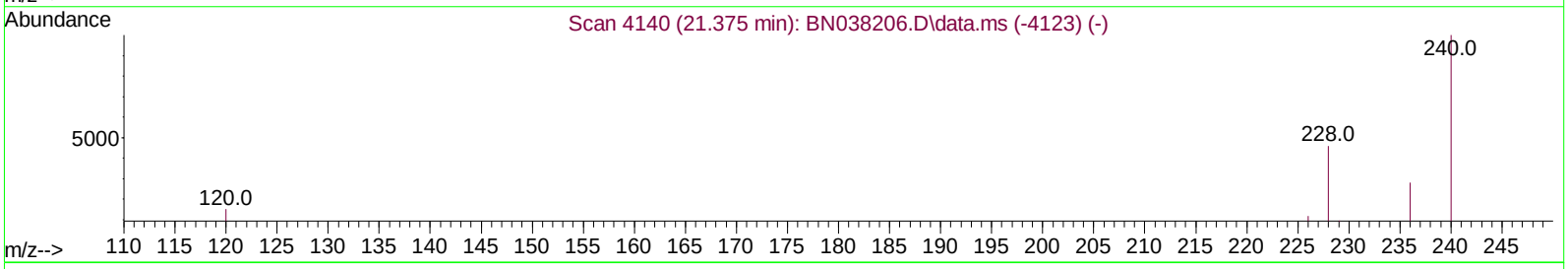
Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM







TIC: BN038260.D\data.ms

(17) Chrysene-d12

21.585min (+ 0.210) 0.40 ng/ul

response 8

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	514.43#
236.00	29.60	177.32#
0.00	0.00	0.00

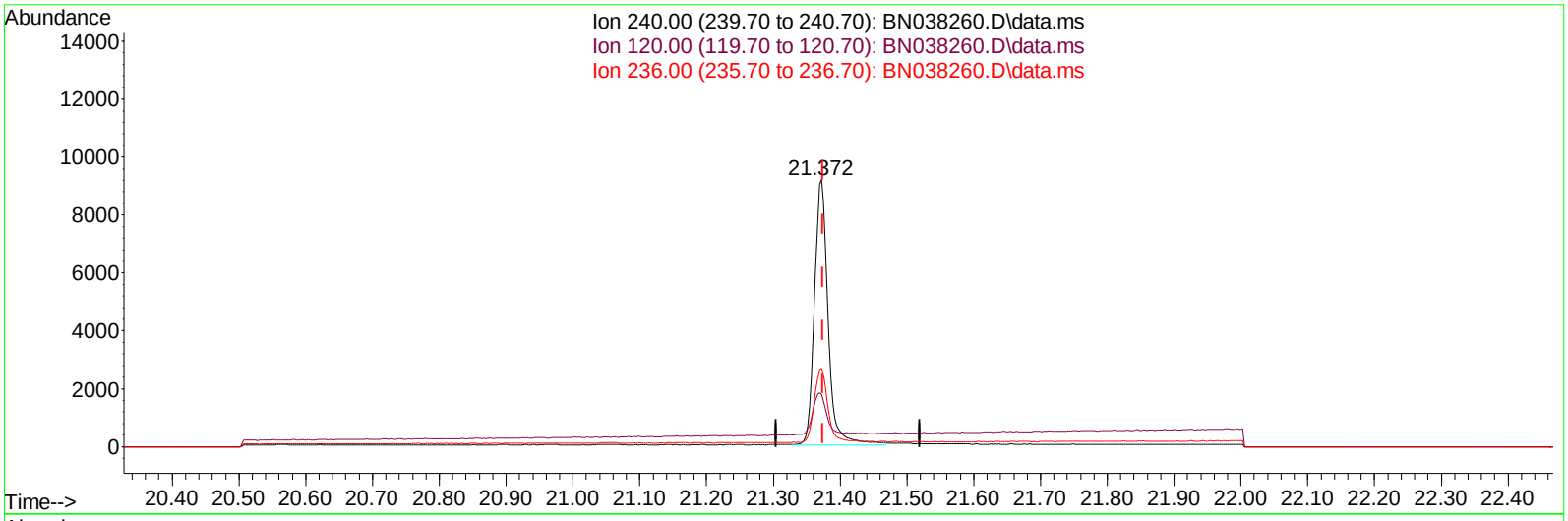
Quantitation Report (Qedit)

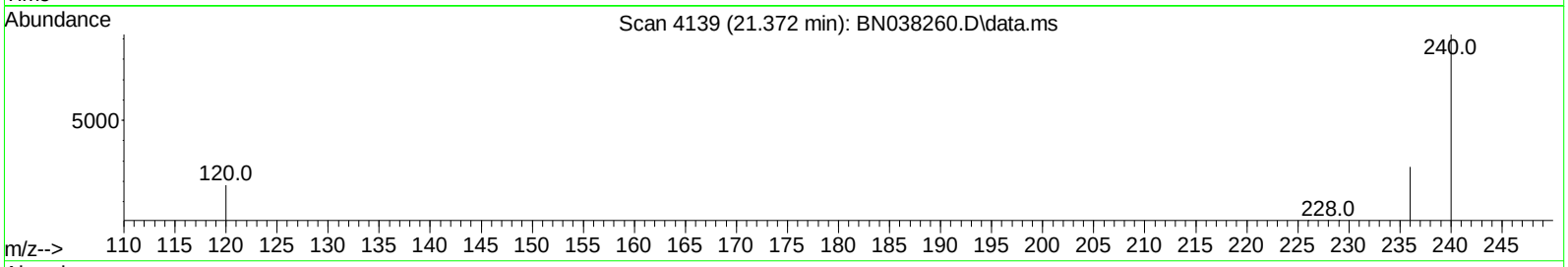
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Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

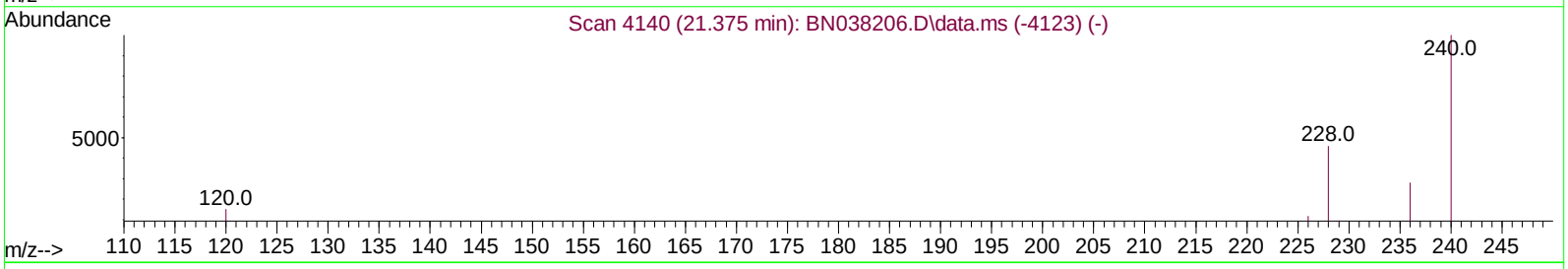
Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM







TIC: BN038260.D\data.ms

(17) Chrysene-d12

21.372min (-0.003) 0.40 ng/ul m

response 12995

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	19.70
236.00	29.60	29.49
0.00	0.00	0.00

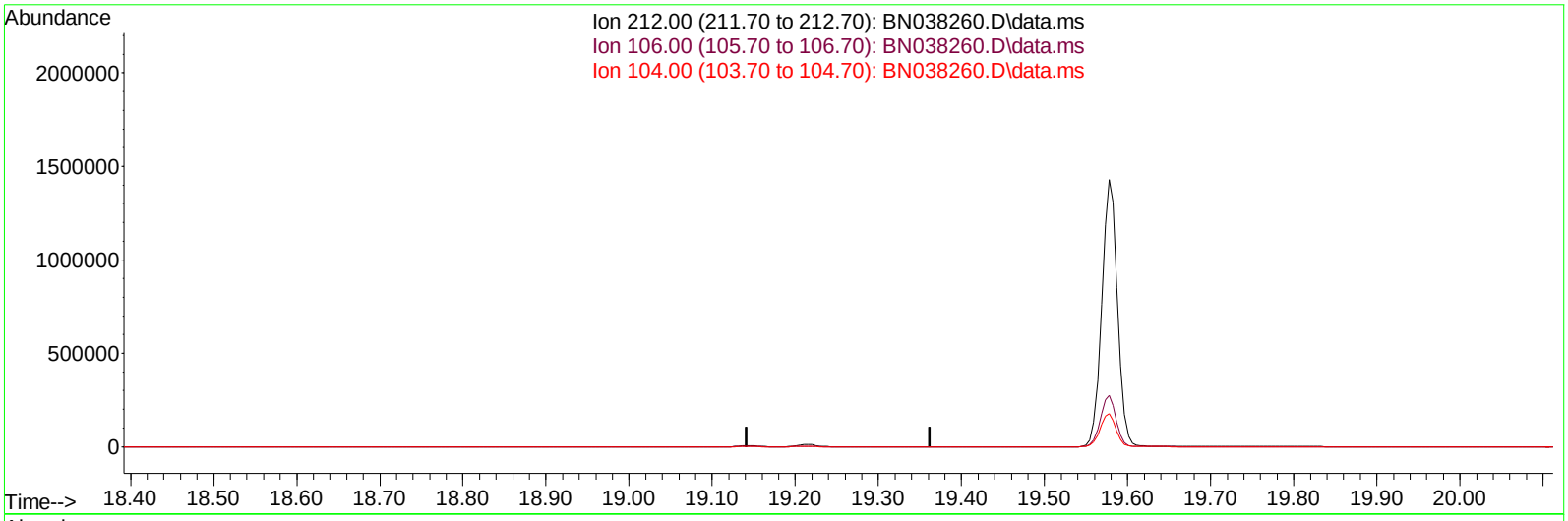
Quantitation Report (Qedit)

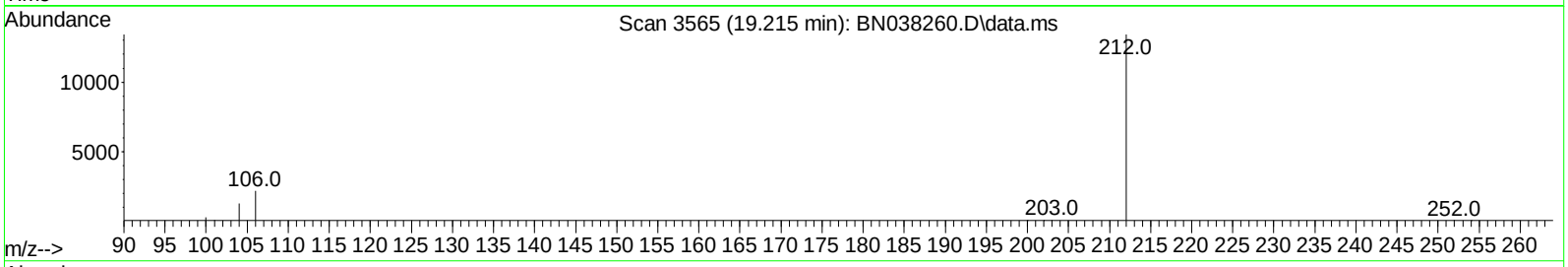
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

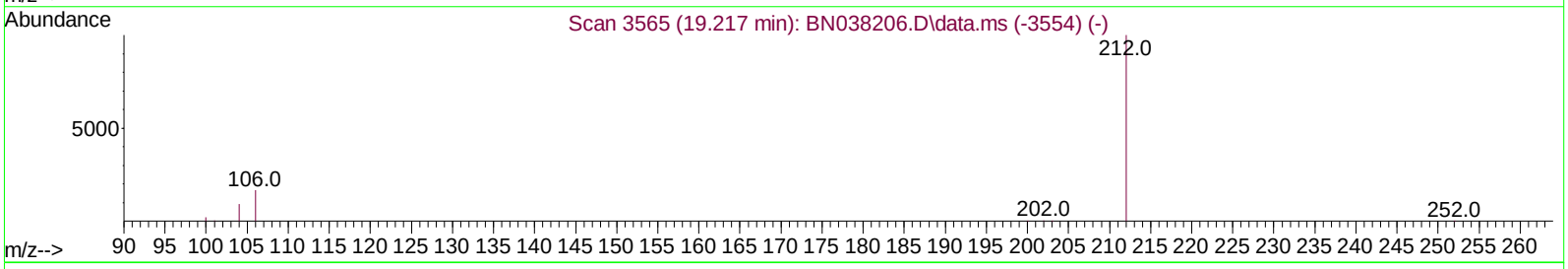
Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM







TIC: BN038260.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.217min (-19.217) 0.00 ng/ul

response 0

Ion	Exp%	Act%
212.00	100.00	0.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

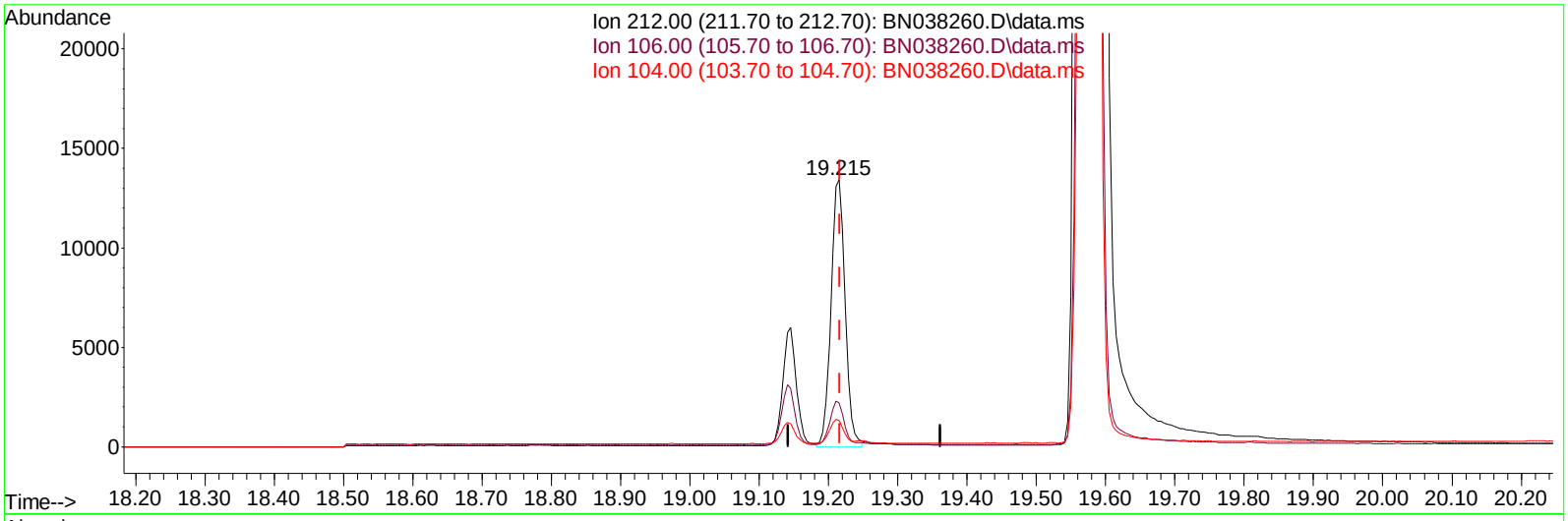
Quantitation Report (Qedit)

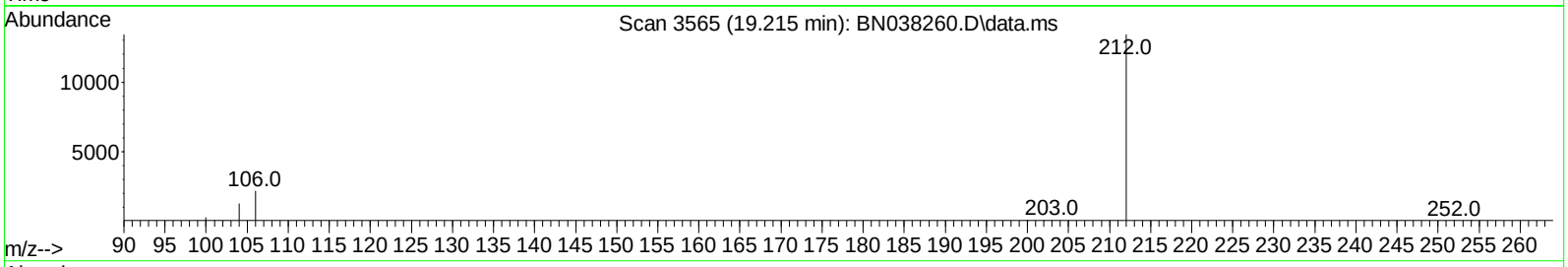
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

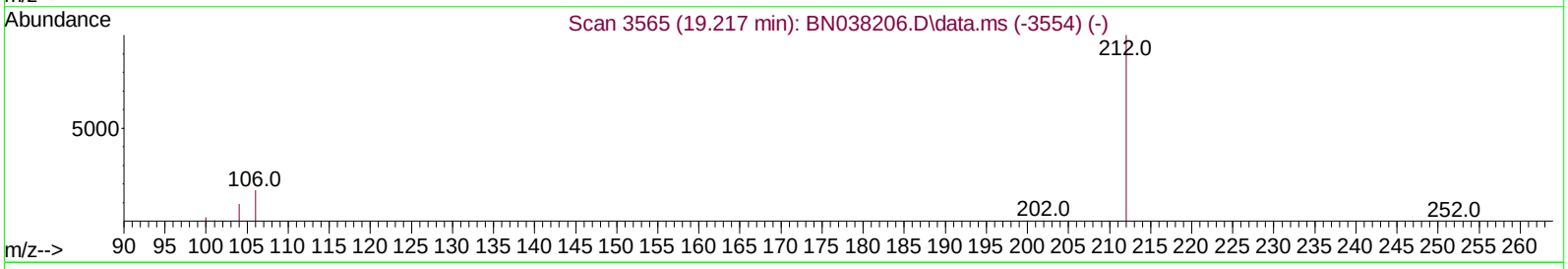
Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM







TIC: BN038260.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.215min (-0.002) 0.38 ng/ul m

response 19161

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

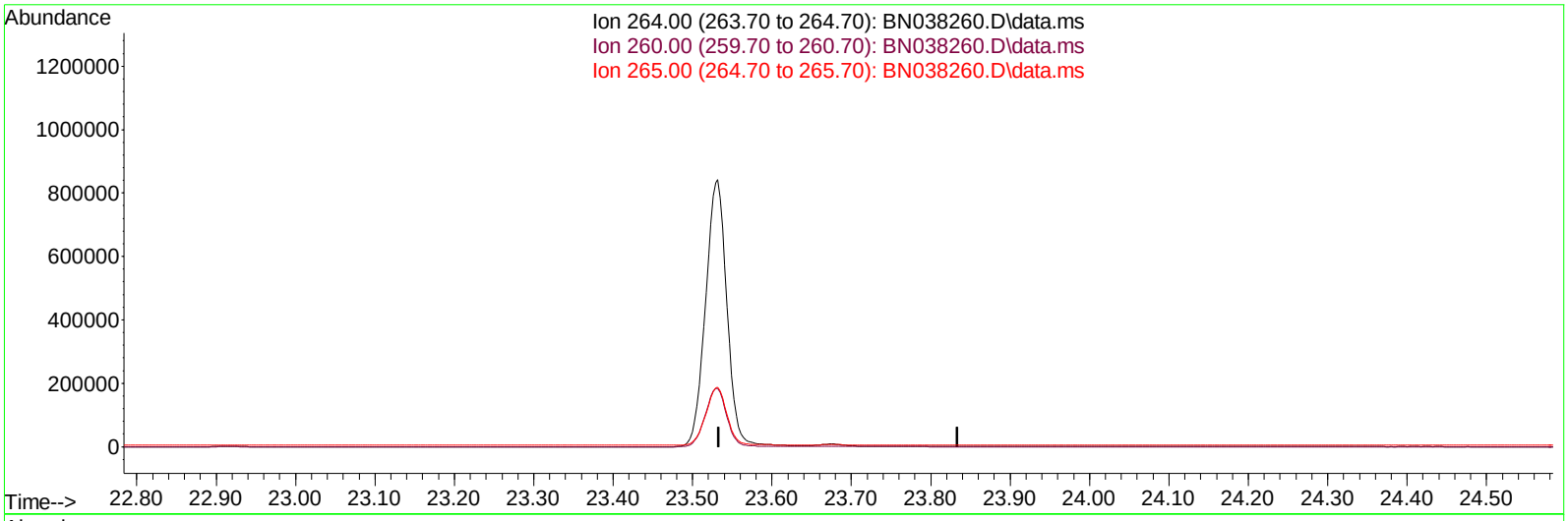
Quantitation Report (Qedit)

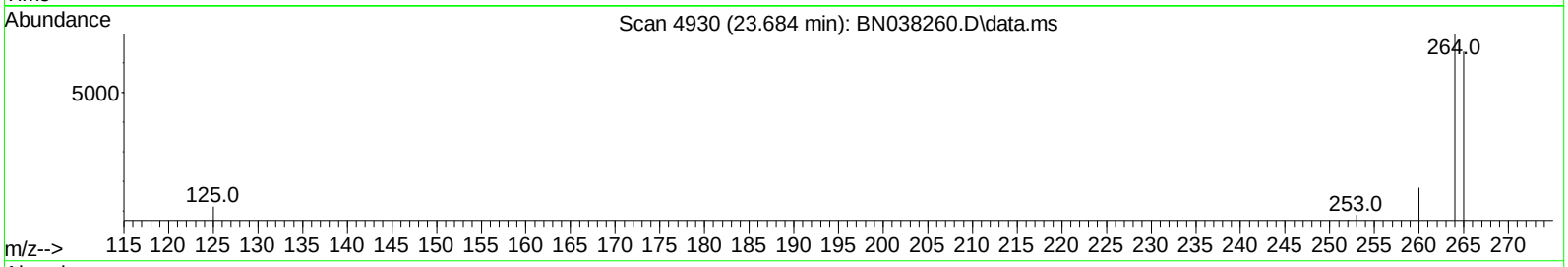
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

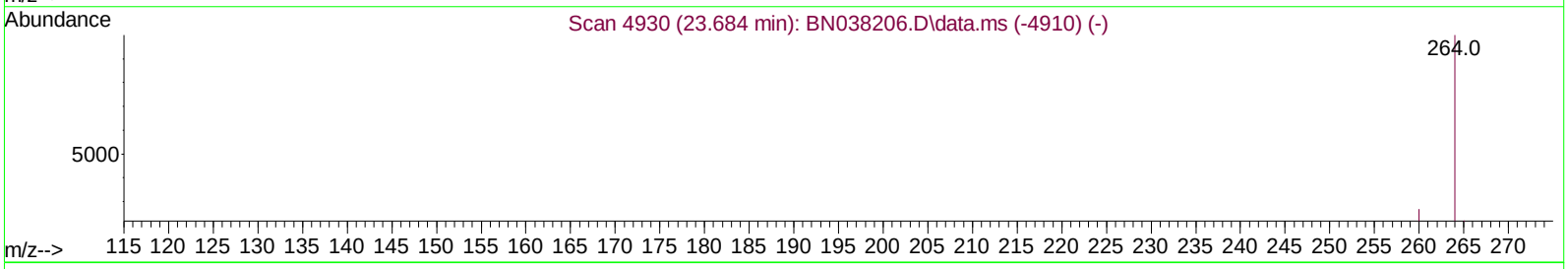
Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM







TIC: BN038260.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

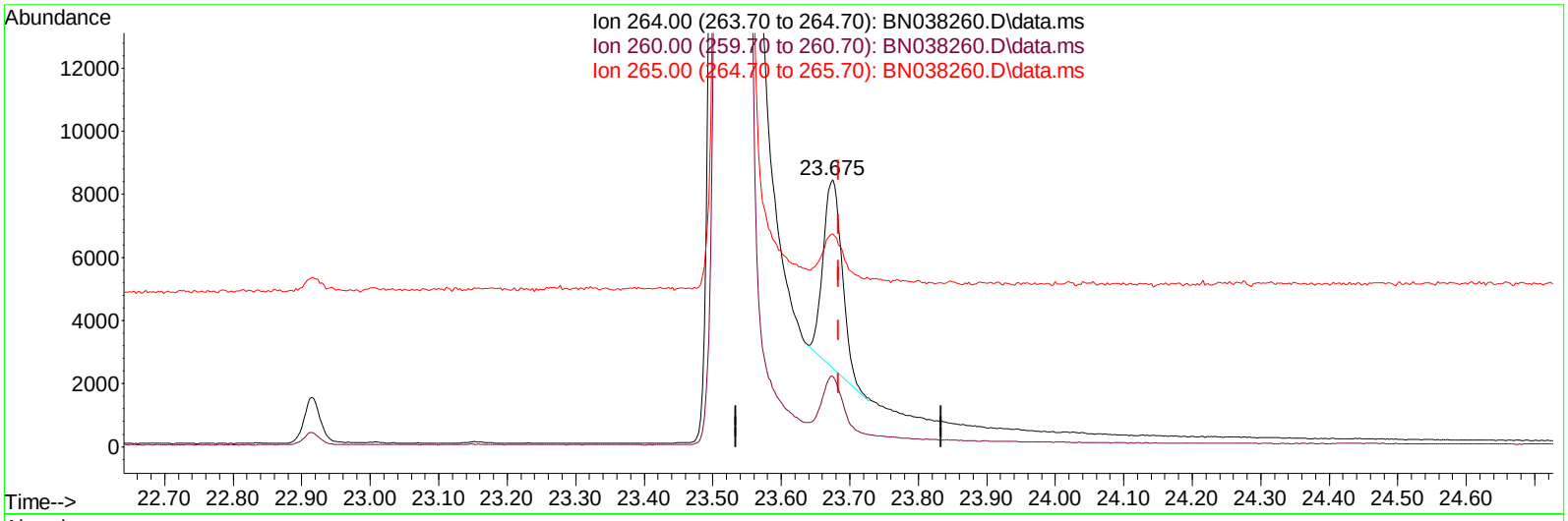
Quantitation Report (Qedit)

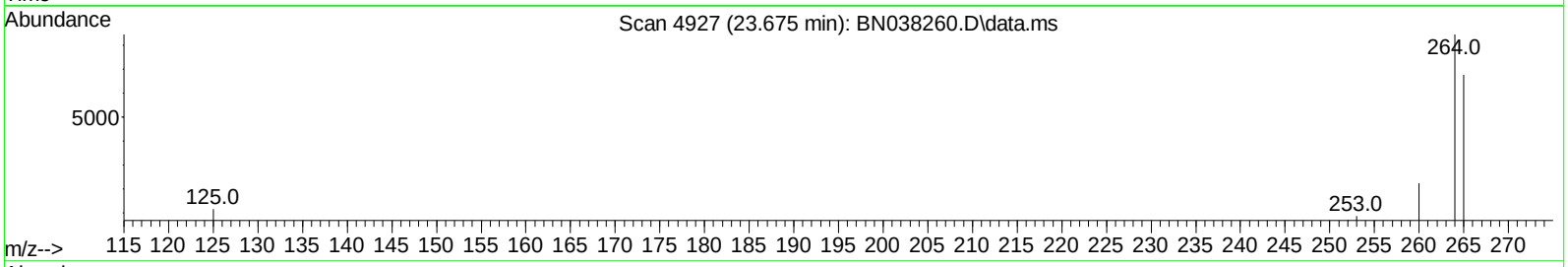
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

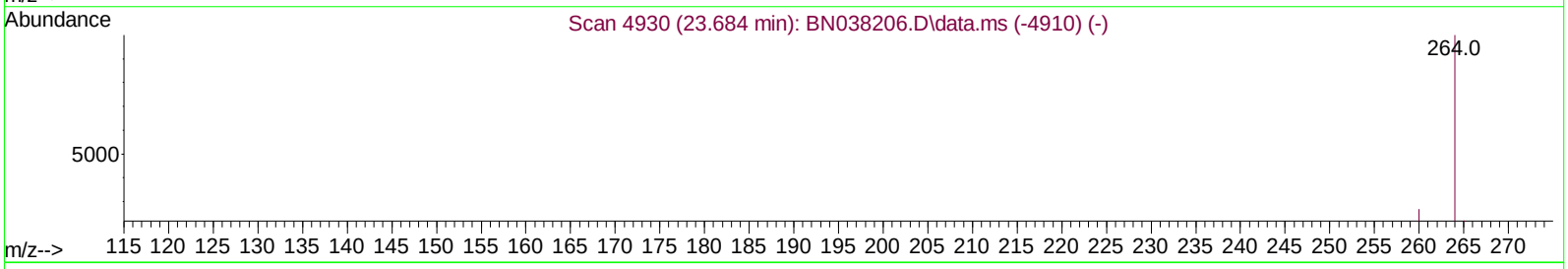
Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM







TIC: BN038260.D\data.ms

(23) Perylene-d12 (I)

23.675min (-0.009) 0.40 ng/ul m

response 11448

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.38
265.00	124.40	79.92#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038260.D
Acq On : 02 Dec 2025 18:15
Operator : RC/JU
Sample : Q3688-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RBGW-20251120

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:28 PM

Quant Time: Dec 03 01:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8734	0.400	ng/ul	0.00
4) Naphthalene-d8	10.566	136	28184	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.426	164	15261	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.183	188	22280m	0.400	ng/ul	0.00
17) Chrysene-d12	21.372	240	12995m	0.400	ng/ul	0.00
23) Perylene-d12	23.675	264	11448m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	46768	5.103	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.167	152	11222	0.279	ng/ul	0.00
18) Fluoranthene-d10	19.215	212	19161m	0.379	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	538	0.054	ng/ul#	55

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251121

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-18
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038275.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.050	J

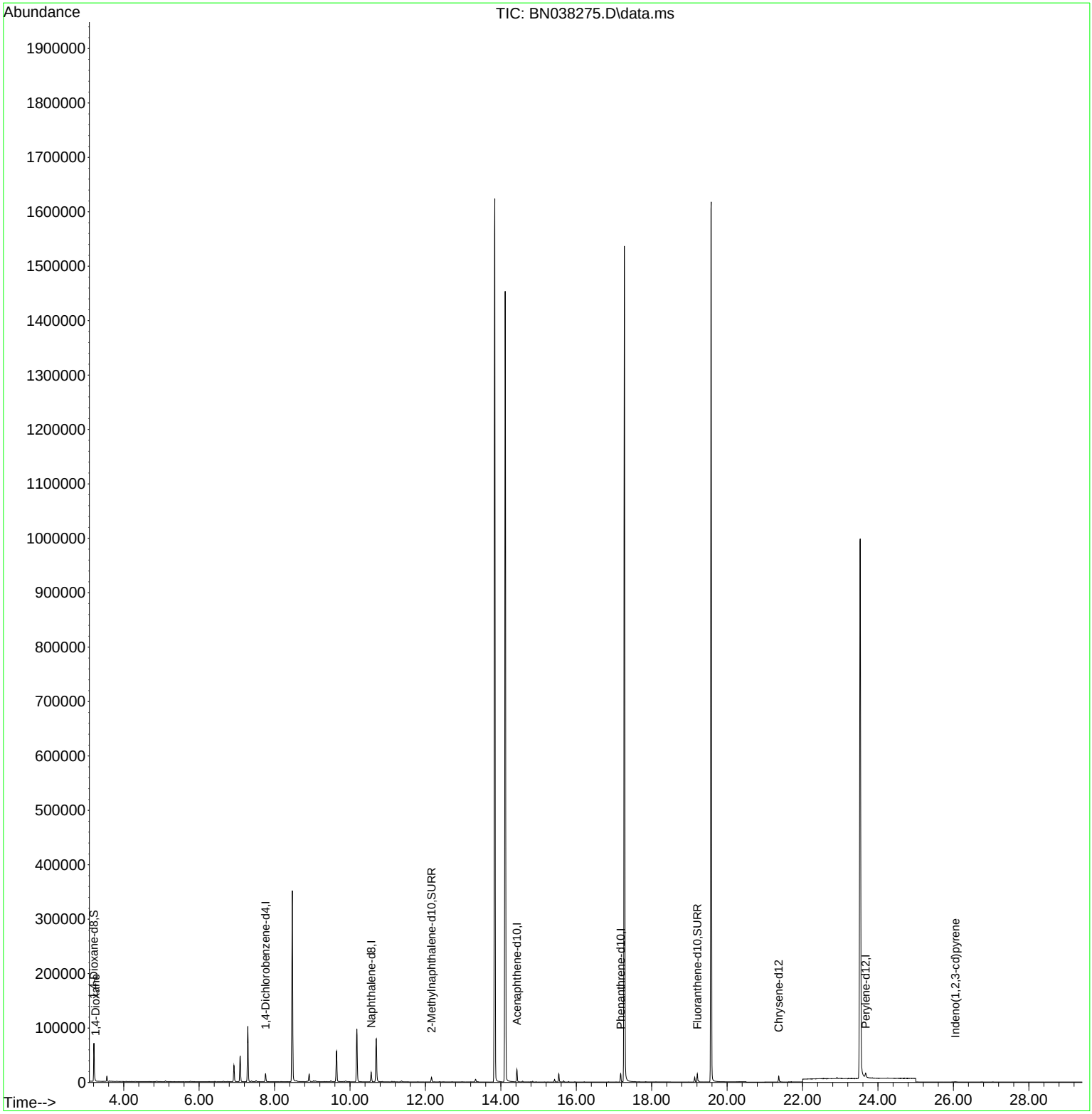
Quantitation Report (QT Reviewed)

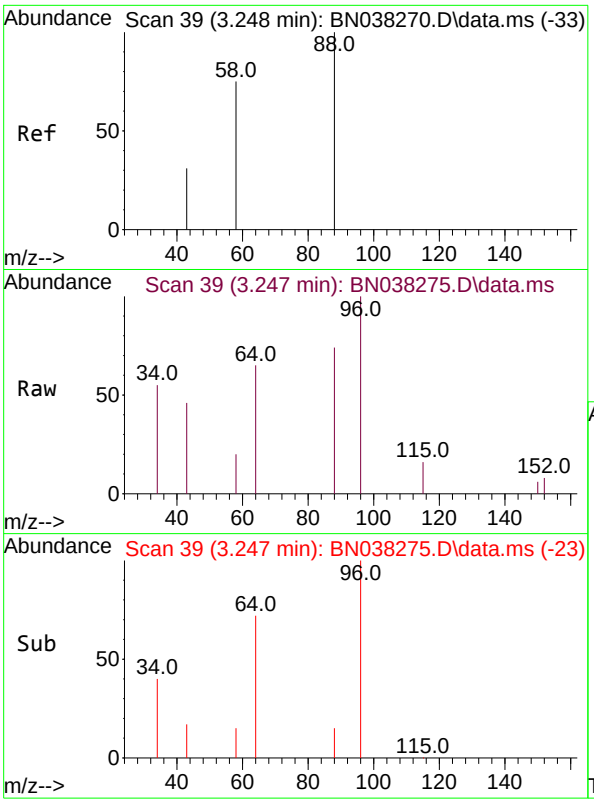
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Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 05 15:32:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

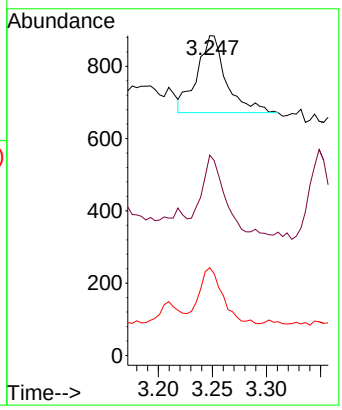




#2
1,4-Dioxane
Concen: 0.048 ng/ul
RT: 3.247 min Scan# 39
Delta R.T. -0.004 min
Lab File: BN038275.D
Acq: 05 Dec 2025 15:07

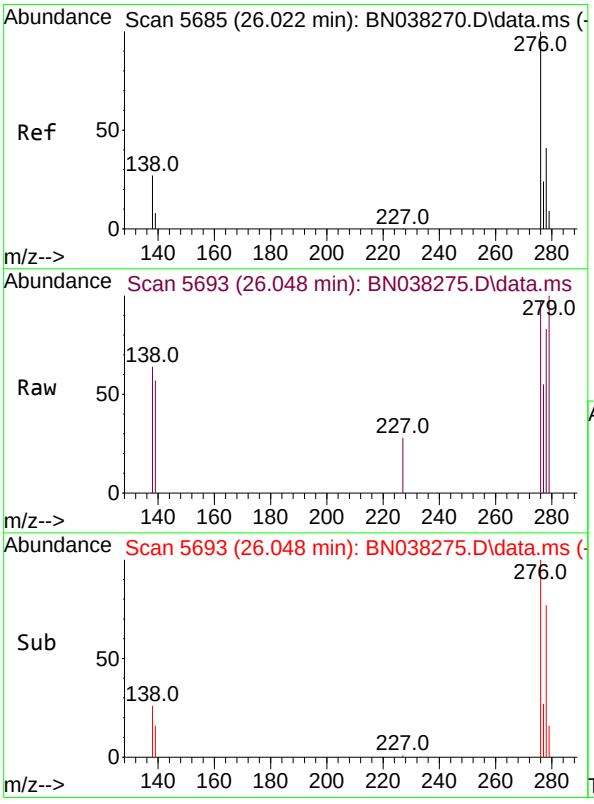
Tgt Ion: 88 Resp: 399

Ion	Ratio	Lower	Upper
88	100		
43	62.6	27.5	41.3#
58	27.5	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

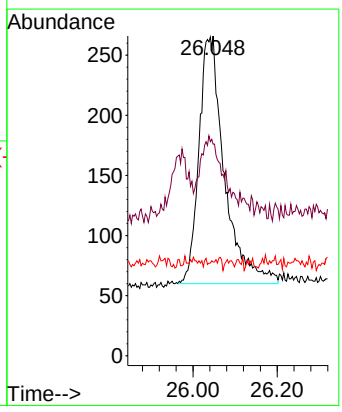
Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.023 ng/ul
RT: 26.048 min Scan# 5693
Delta R.T. 0.010 min
Lab File: BN038275.D
Acq: 05 Dec 2025 15:07

Tgt Ion:276 Resp: 865

Ion	Ratio	Lower	Upper
276	100		
138	0.0	22.9	34.3#
227	1.5	0.0	0.0#



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 15:32:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7421	0.400	ng/ul	0.00
4) Naphthalene-d8	10.561	136	23523	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.426	164	12712	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.178	188	18378m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.368	240	10427m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	8941m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	42329	5.436	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	11414	0.340	ng/ul	-0.01
18) Fluoranthene-d10	19.210	212	15755	0.389	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	399	0.048	ng/ul#	53
27) Indeno(1,2,3-cd)pyrene	26.048	276	865	0.023	ng/ul#	46

(#) = qualifier out of range (m) = manual integration (+) = signals summed

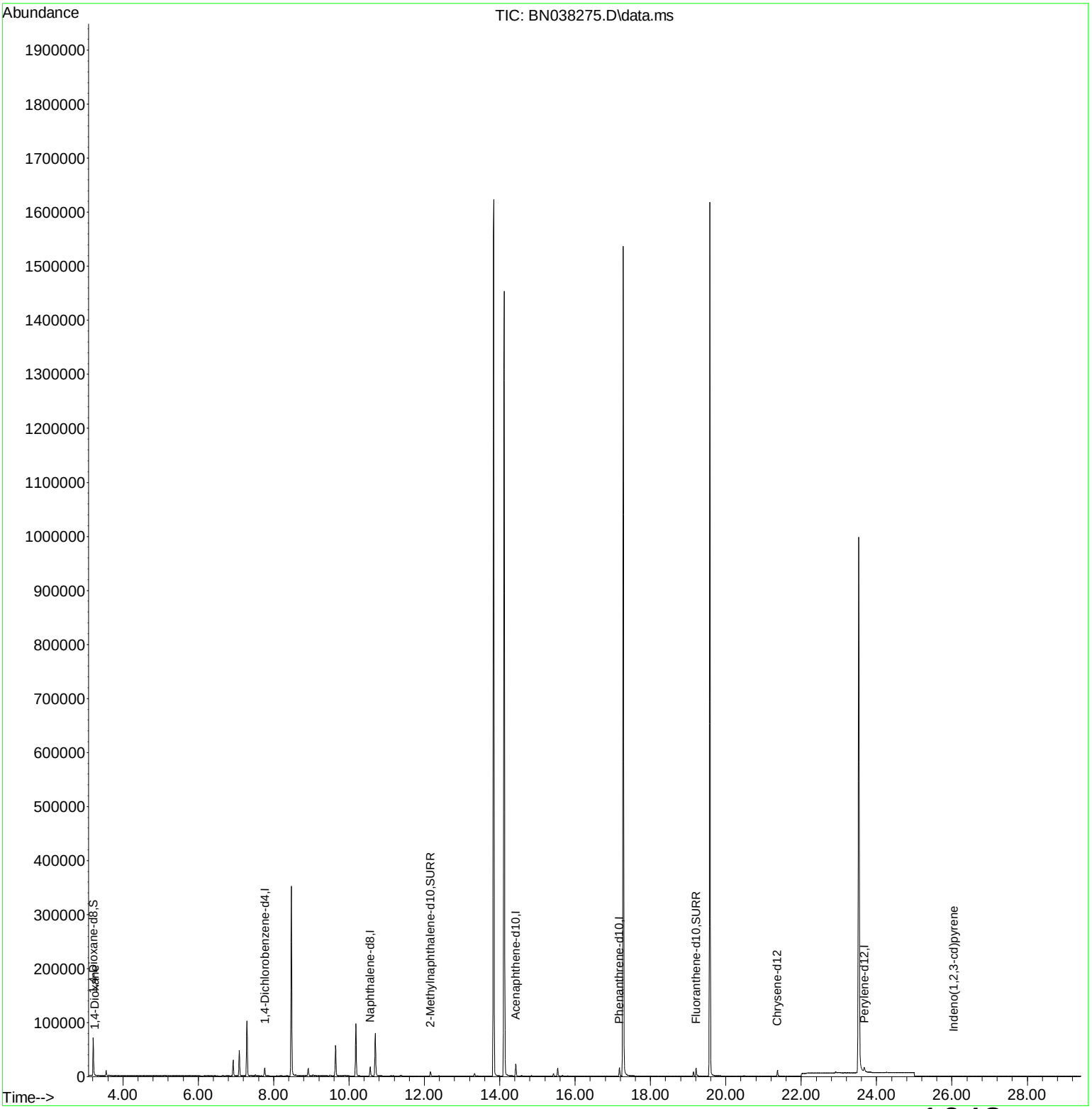
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 05 15:32:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



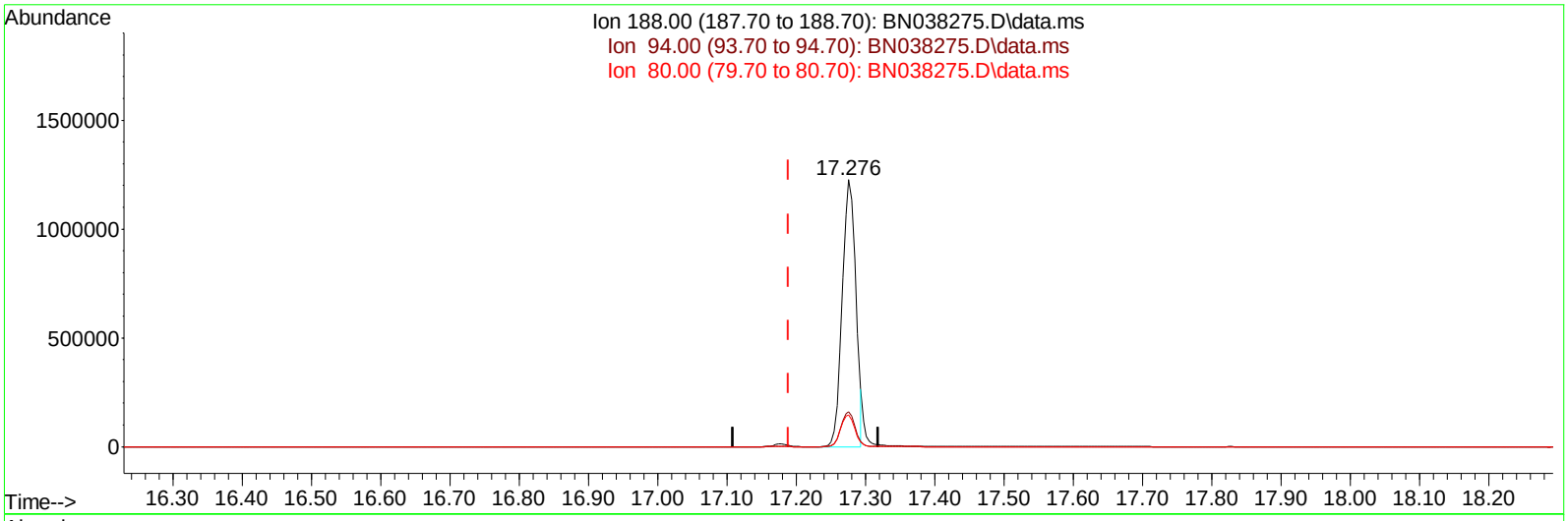
Quantitation Report (Qedit)

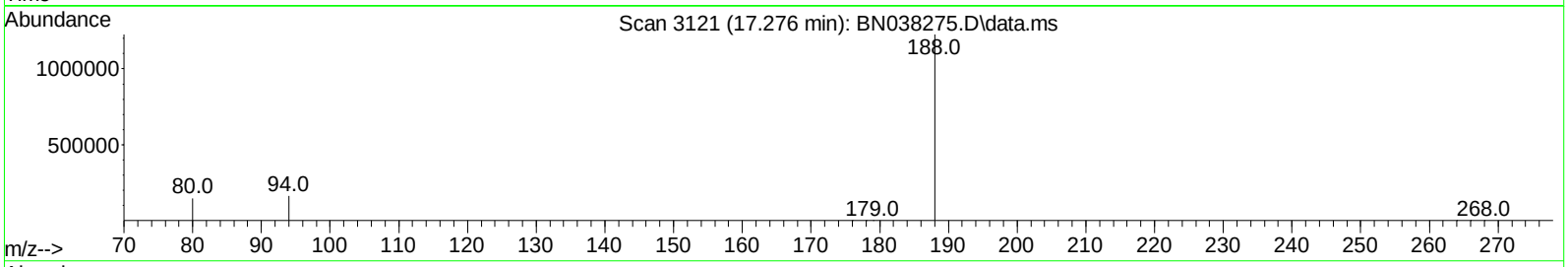
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

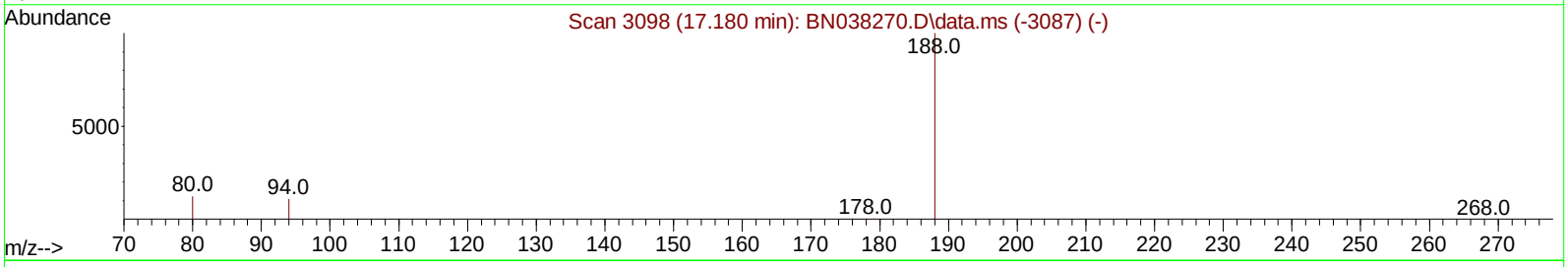
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038275.D\data.ms

(13) Phenanthrene-d10 (I)

17.276min (+ 0.087) 0.40 ng/ul

response 1664928

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	13.11
80.00	12.20	12.04
0.00	0.00	0.00

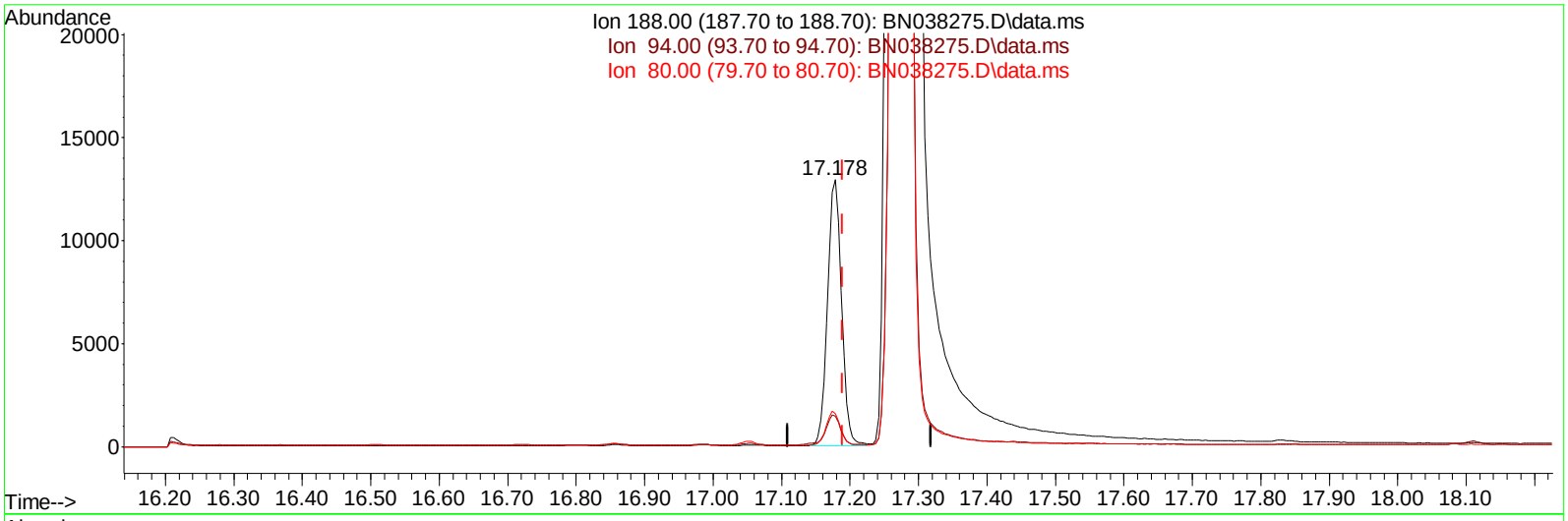
Quantitation Report (Qedit)

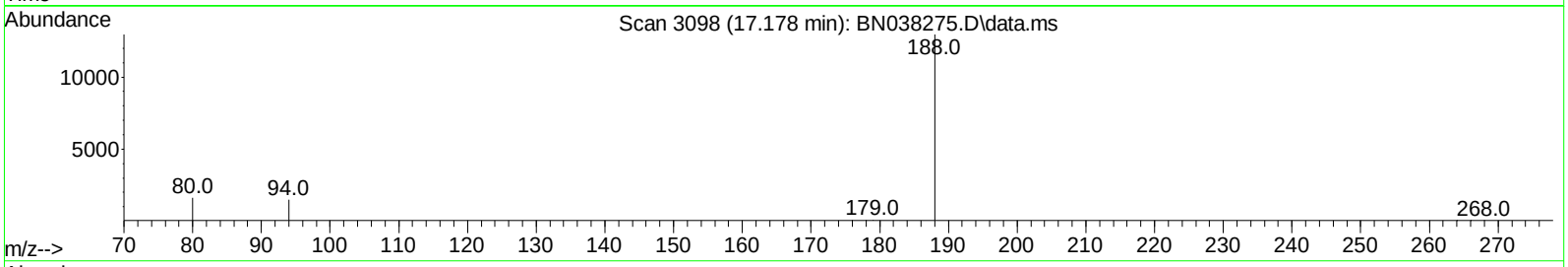
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

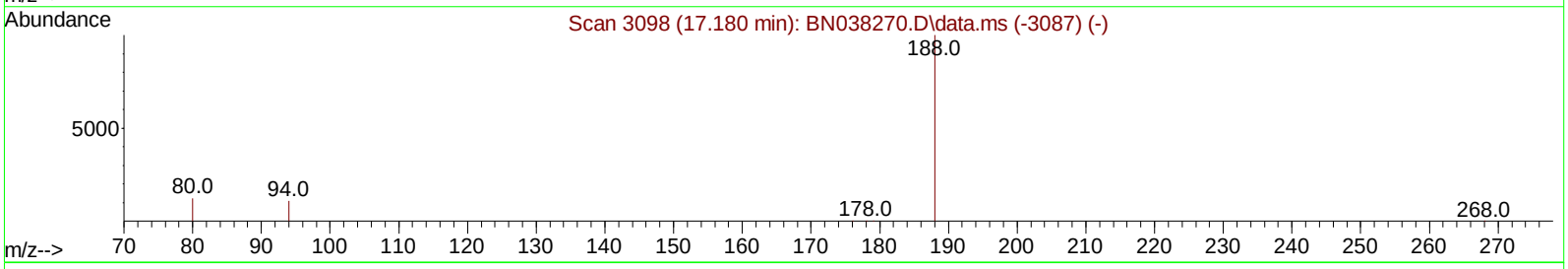
Quant Time: Dec 05 15:32:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038275.D\data.ms

(13) Phenanthrene-d10 (I)

17.178min (-0.010) 0.40 ng/ul m

response 18378

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.38
80.00	12.20	12.43
0.00	0.00	0.00

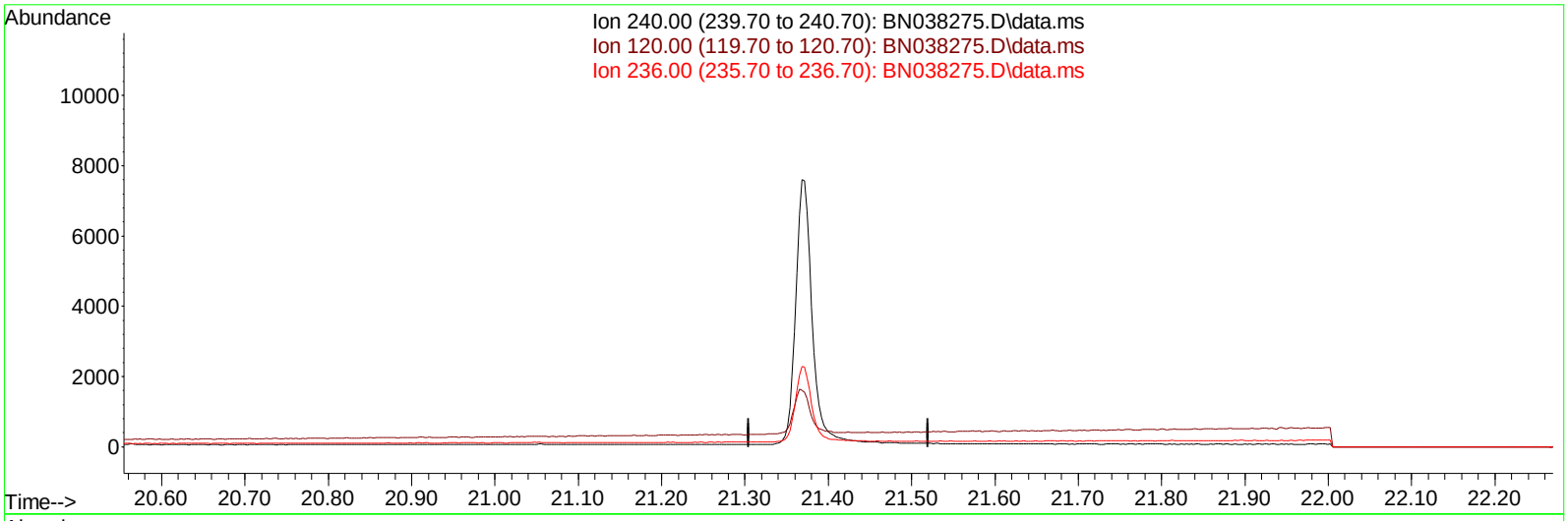
Quantitation Report (Qedit)

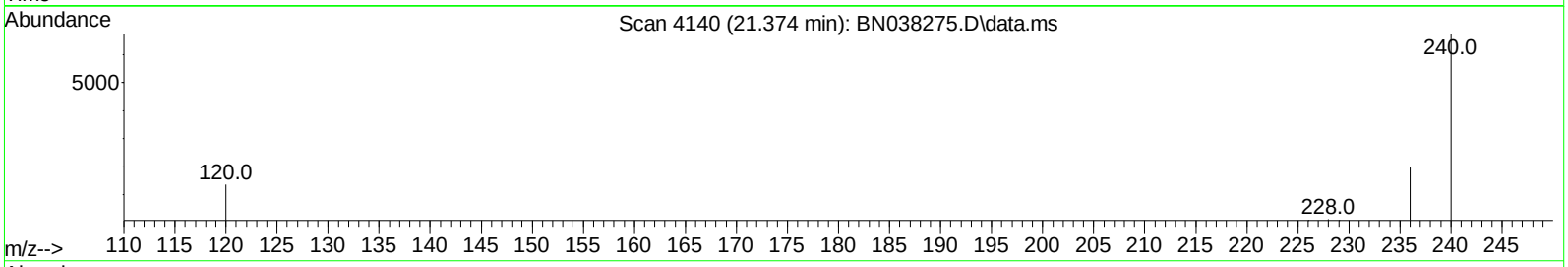
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

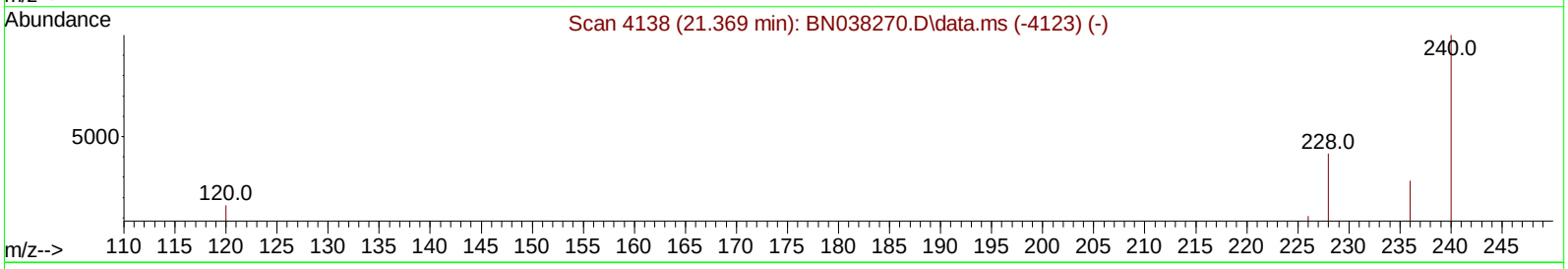
Quant Time: Dec 05 15:32:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038275.D\data.ms

(17) Chrysene-d12

21.375min (-21.375) 0.00 ng/ul

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	19.90	0.00#
236.00	29.60	0.00#
0.00	0.00	0.00

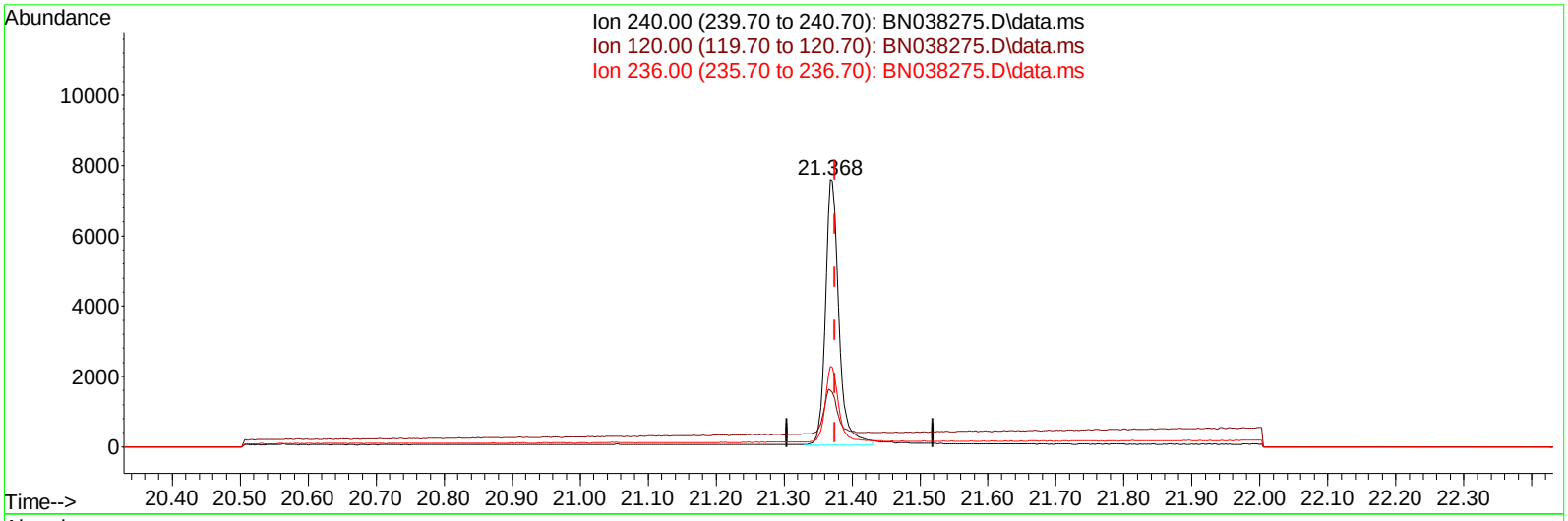
Quantitation Report (Qedit)

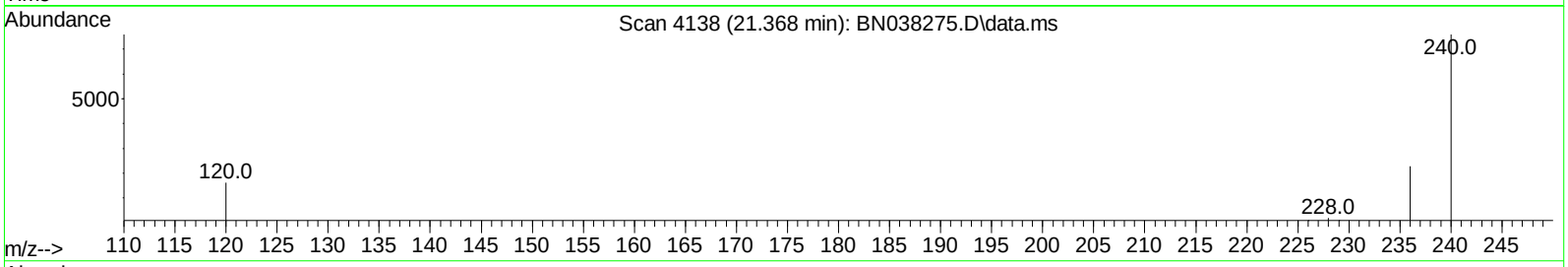
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Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

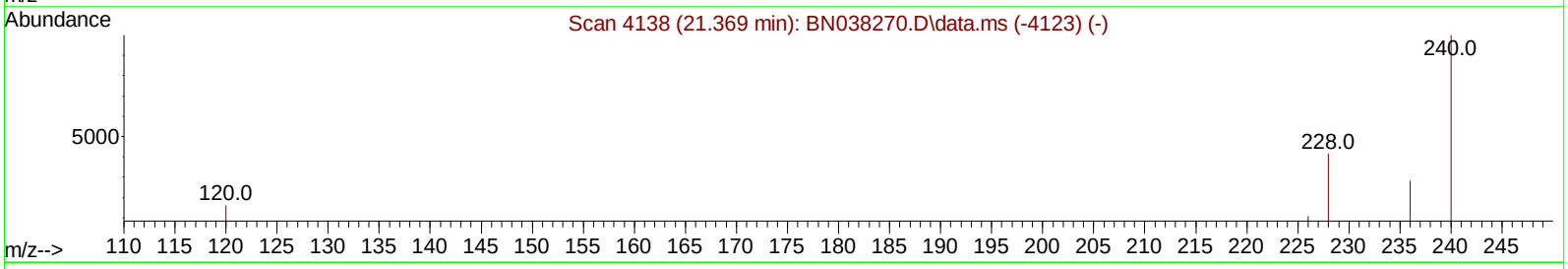
Quant Time: Dec 05 15:32:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038275.D\data.ms

(17) Chrysene-d12

21.368min (-0.006) 0.40 ng/ul m

response 10427

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.23
236.00	29.60	30.01
0.00	0.00	0.00

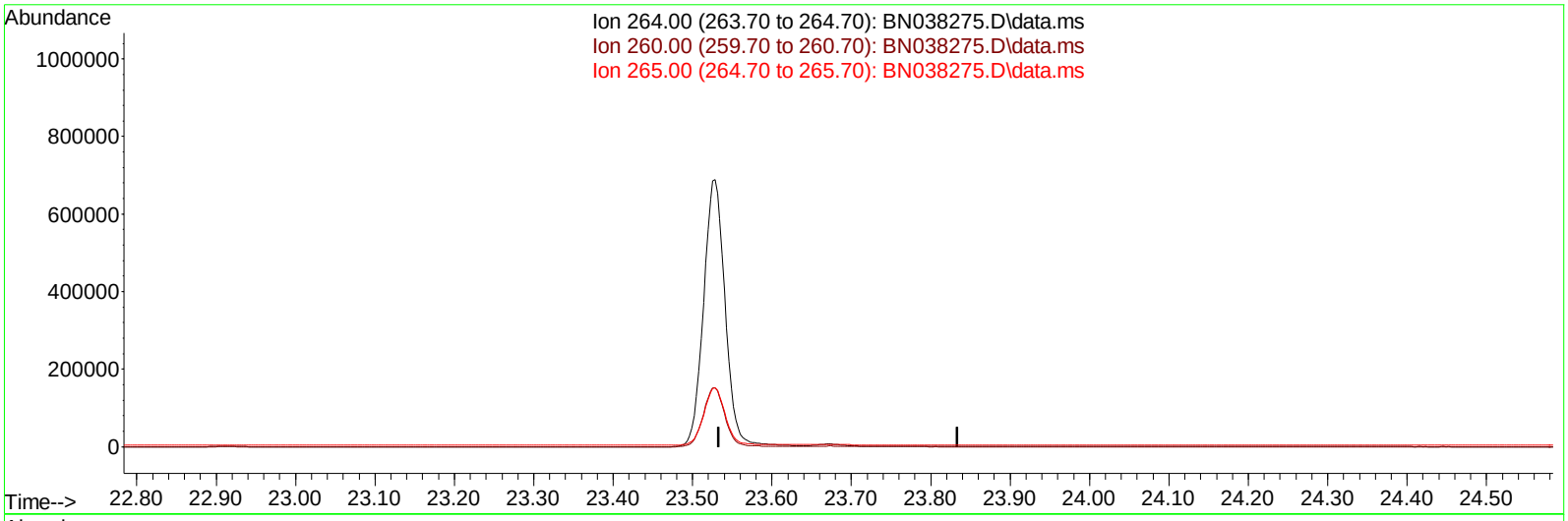
Quantitation Report (Qedit)

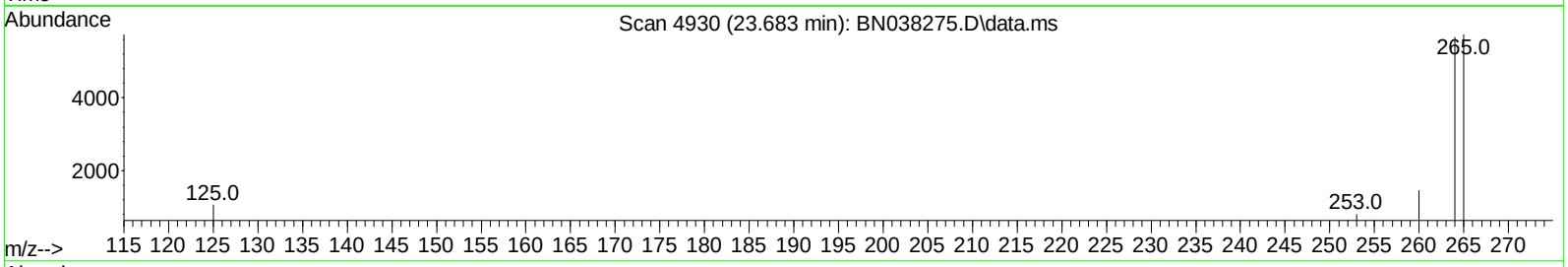
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

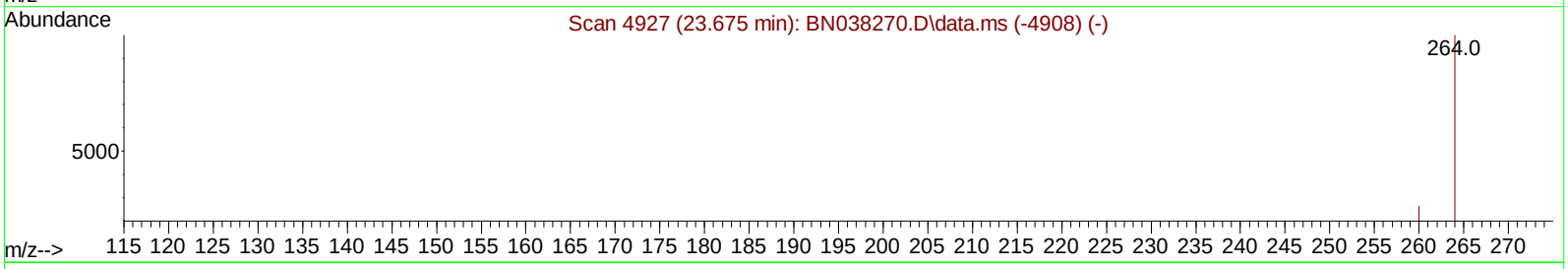
Quant Time: Dec 05 15:32:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038275.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

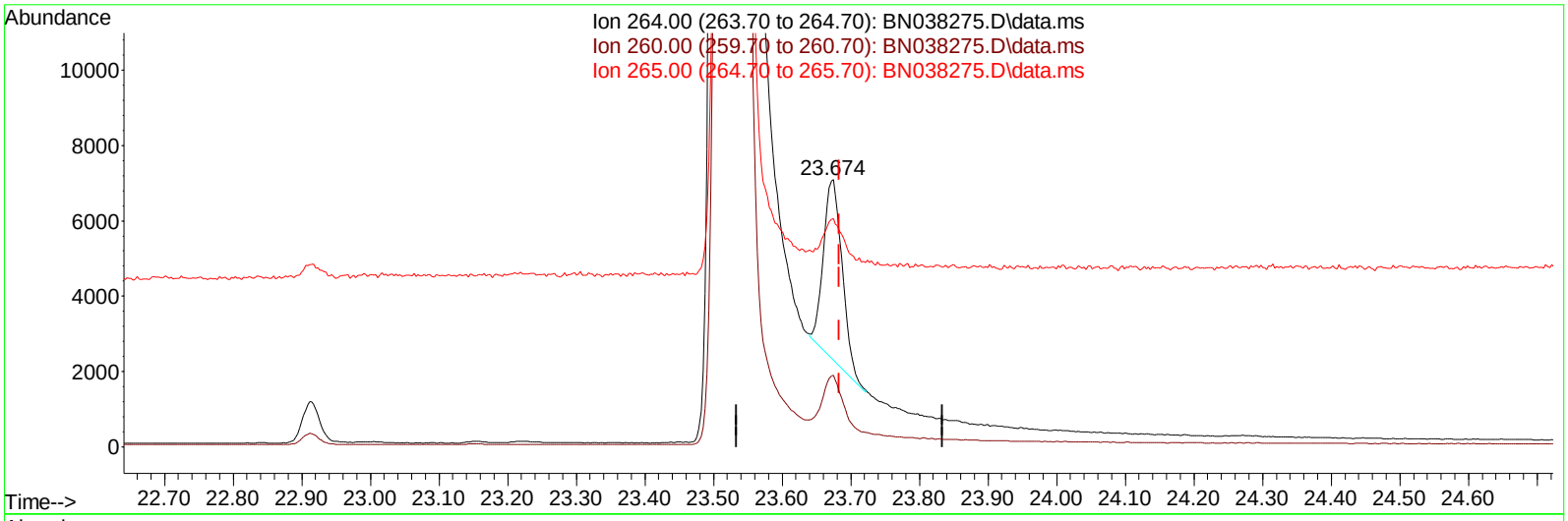
Quantitation Report (Qedit)

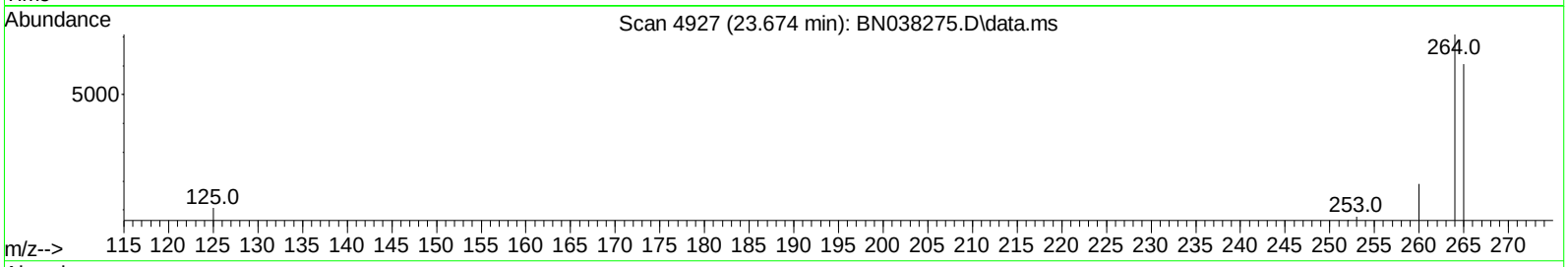
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

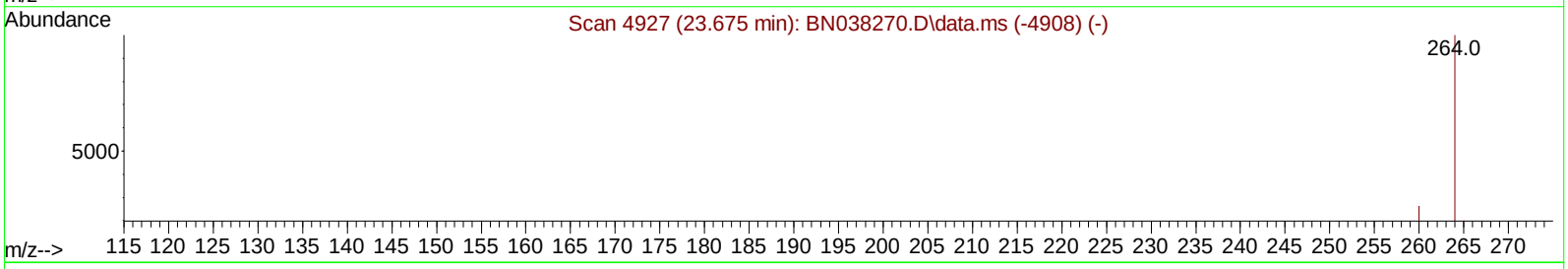
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038275.D\data.ms

(23) Perylene-d12 (I)

23.674min (-0.009) 0.40 ng/ul m

response 8941

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.71
265.00	124.40	85.47#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038275.D
Acq On : 05 Dec 2025 15:07
Operator : RC/JU
Sample : Q3688-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RBGW-20251121

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM

Quant Time: Dec 05 15:32:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7421	0.400	ng/ul	0.00
4) Naphthalene-d8	10.561	136	23523	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.426	164	12712	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.178	188	18378m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.368	240	10427m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	8941m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	42329	5.436	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	11414	0.340	ng/ul	-0.01
18) Fluoranthene-d10	19.210	212	15755	0.389	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	399	0.048	ng/ul#	53
27) Indeno(1,2,3-cd)pyrene	26.048	276	865	0.023	ng/ul#	46

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
RBGW-20251124

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-22
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BN038278.D
% Solids :
Date Received : 11/24/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.040	J

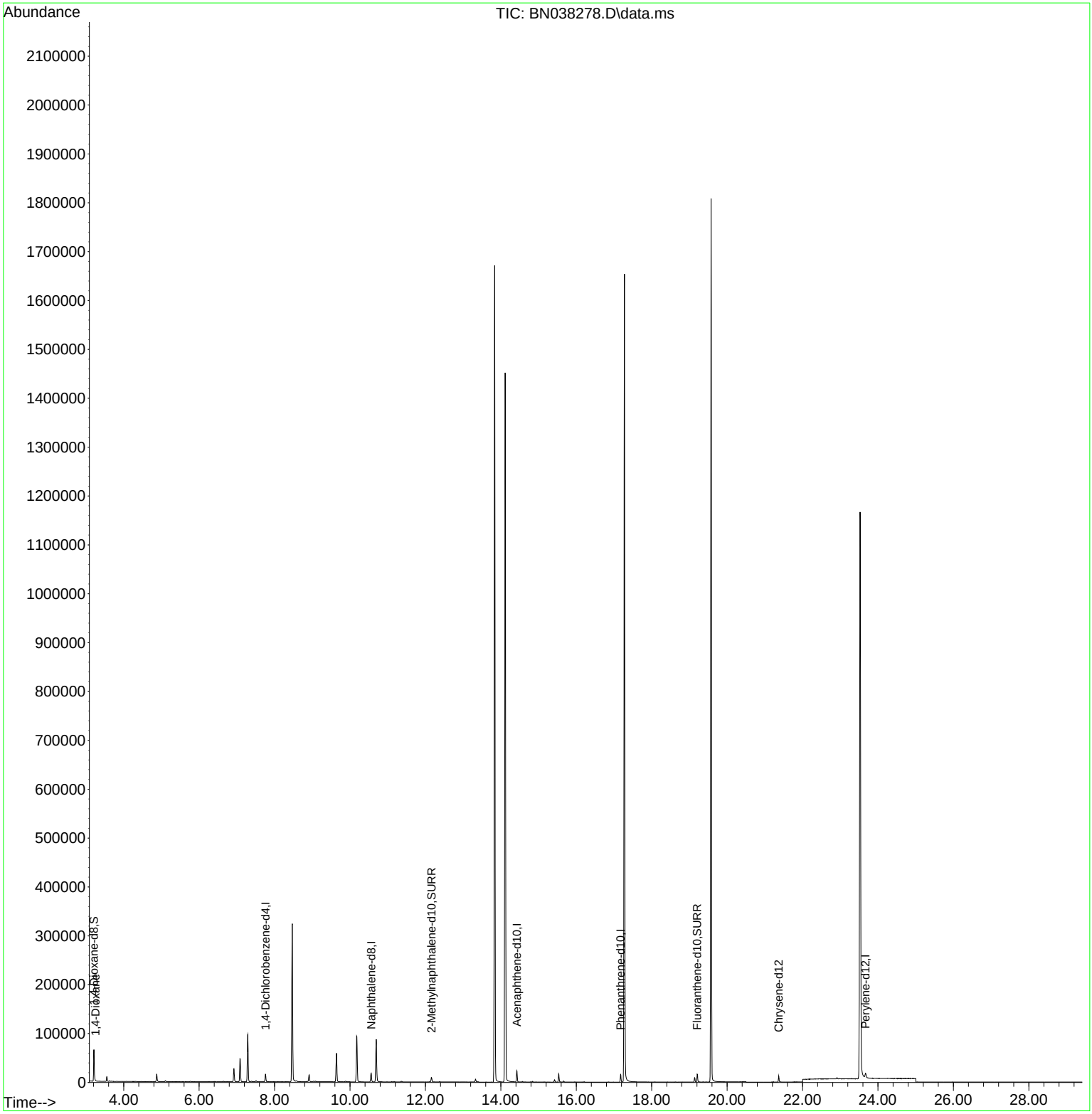
Quantitation Report (QT Reviewed)

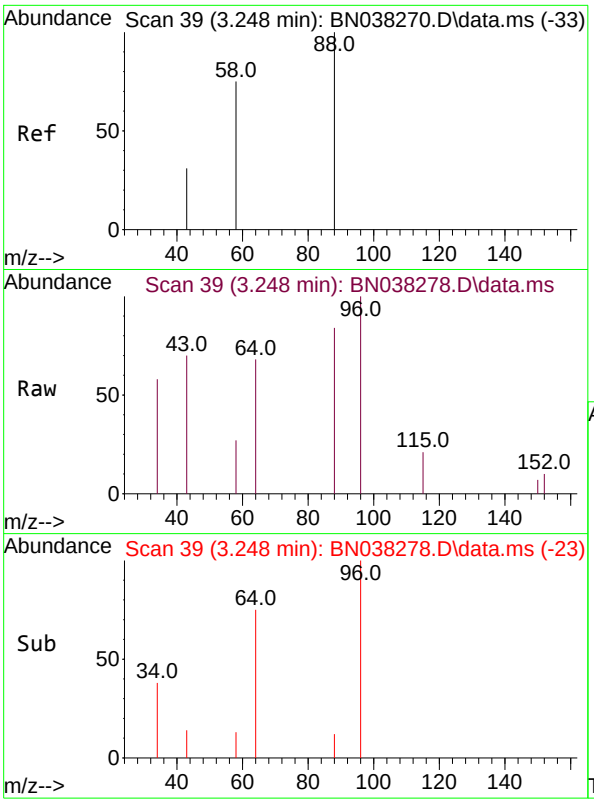
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

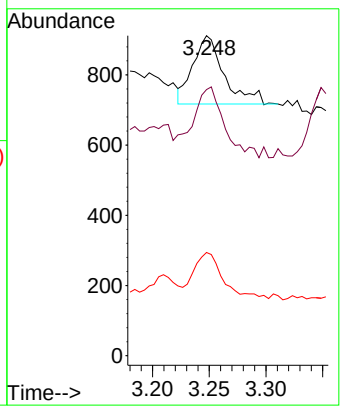




#2
1,4-Dioxane
Concen: 0.042 ng/ul
RT: 3.248 min Scan# 39
Delta R.T. -0.004 min
Lab File: BN038278.D
Acq: 05 Dec 2025 16:55

Tgt Ion: 88 Resp: 371

Ion	Ratio	Lower	Upper
88	100		
43	83.1	27.5	41.3#
58	32.2	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
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Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	7733	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.562	136	24457	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.424	164	12576	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.176	188	18317m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.369	240	11615m	0.400	ng/ul	0.00
23) Perylene-d12	23.669	264	10243m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	38812	4.783	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	12930	0.371	ng/ul	-0.01
18) Fluoranthene-d10	19.208	212	17949m	0.398	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	371	0.042	ng/ul#	44

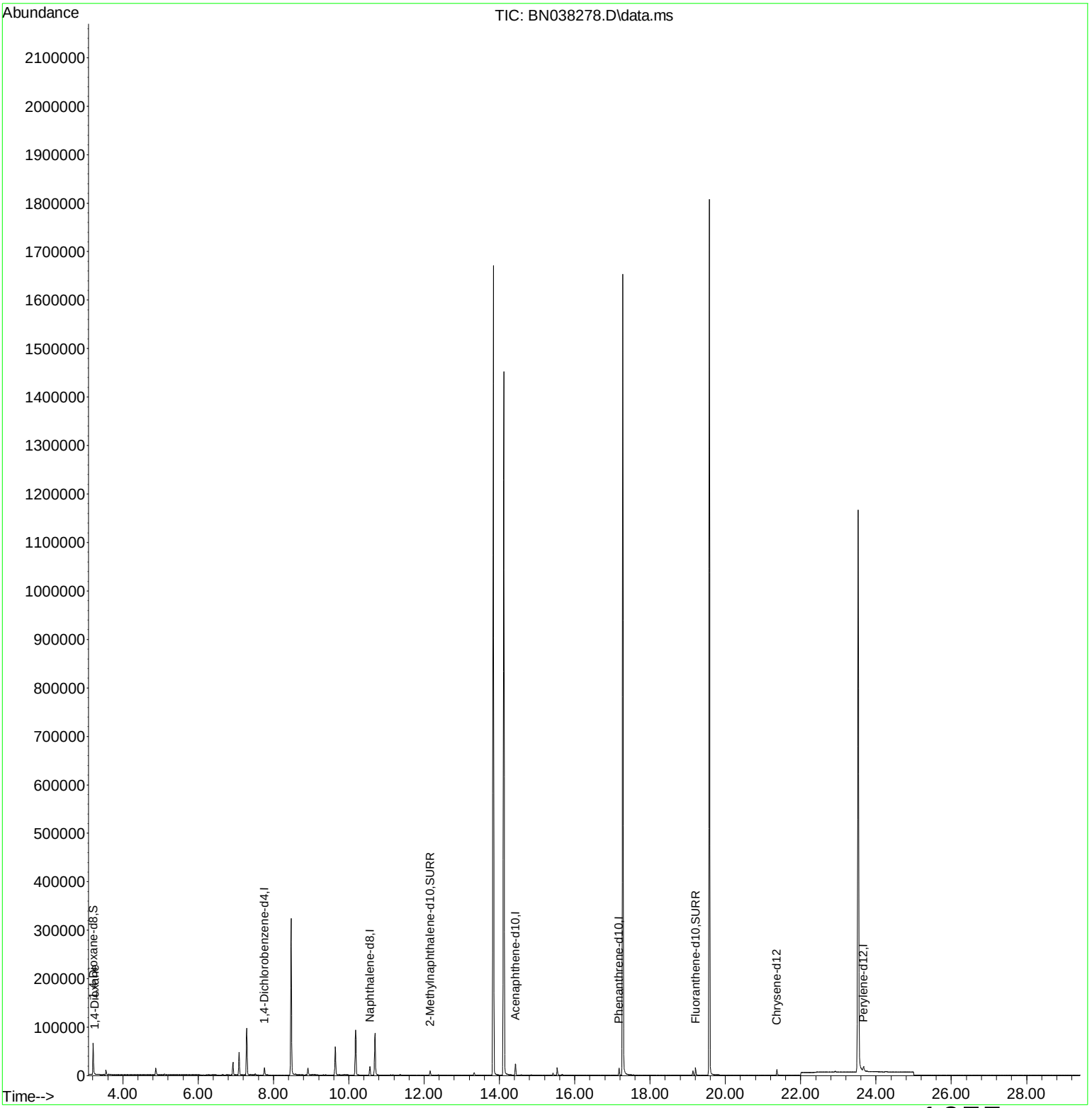
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



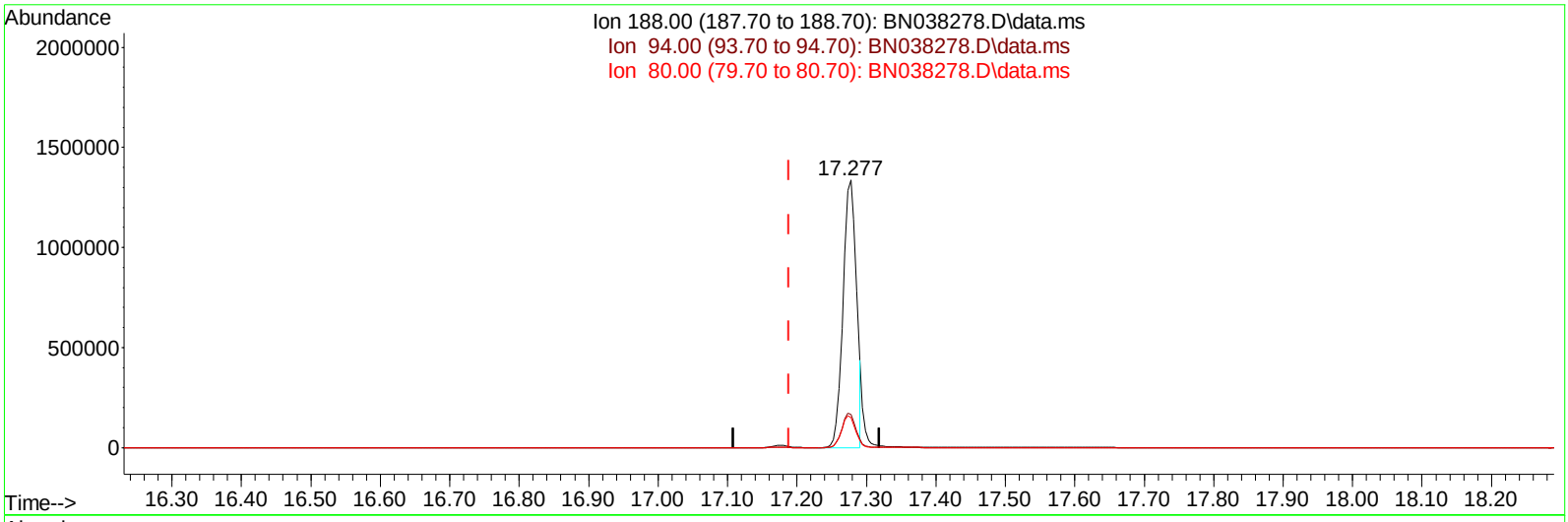
Quantitation Report (Qedit)

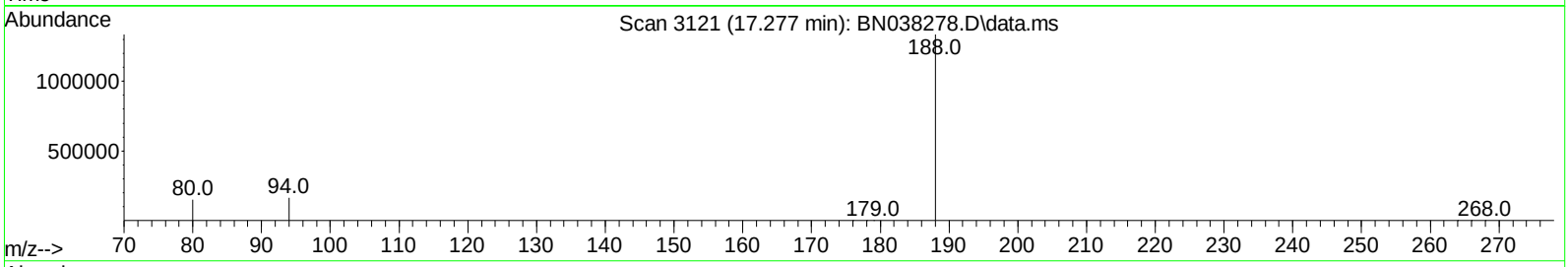
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Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

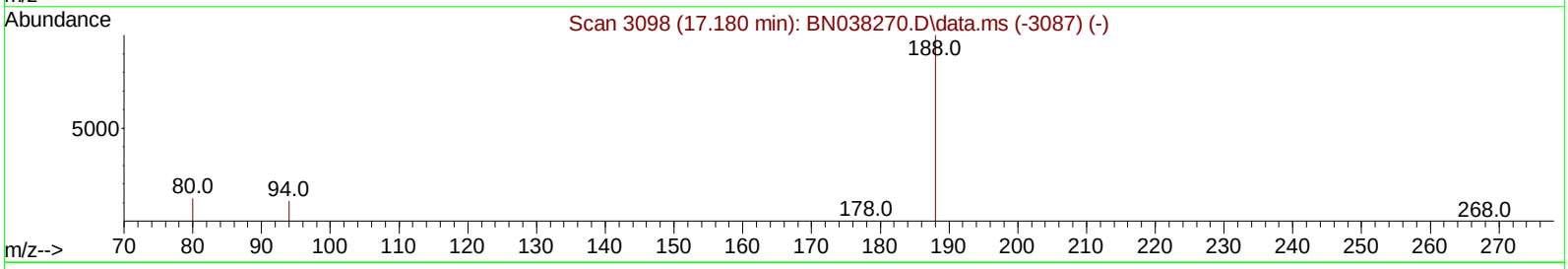
Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038278.D\data.ms

(13) Phenanthrene-d10 (I)

17.277min (+ 0.089) 0.40 ng/ul

response 1776320

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.39
80.00	12.20	11.21
0.00	0.00	0.00

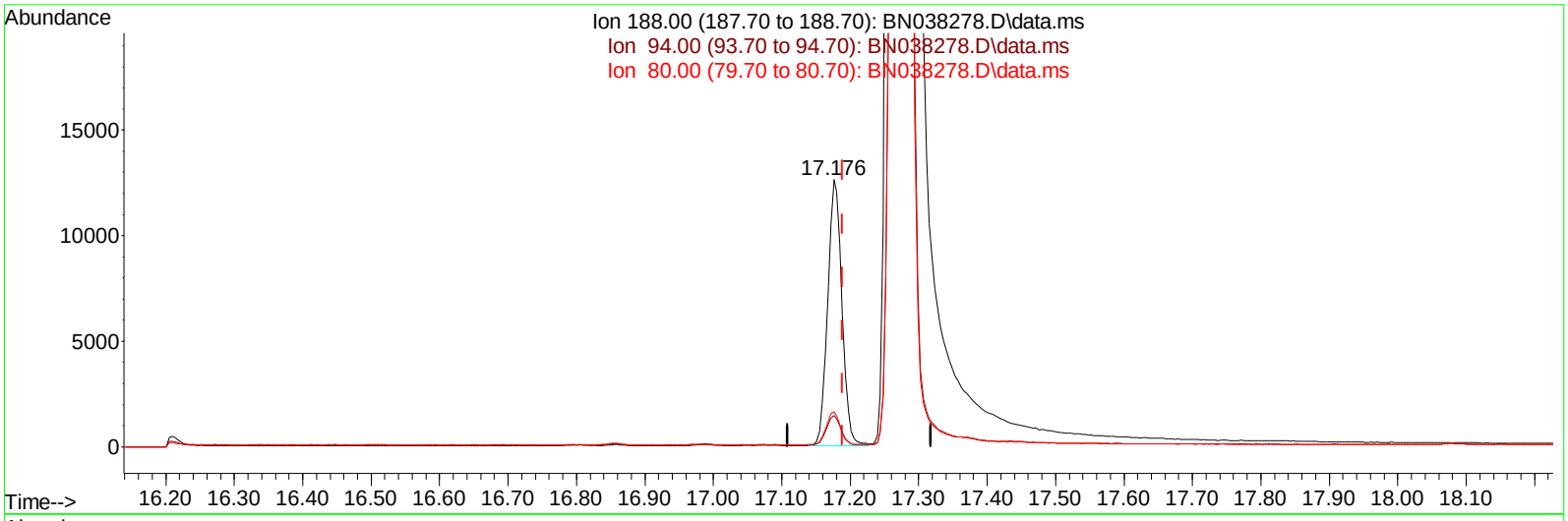
Quantitation Report (Qedit)

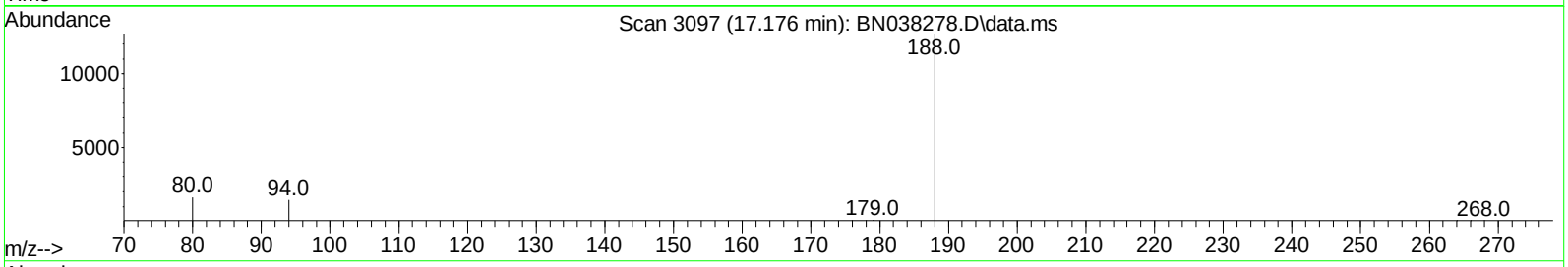
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

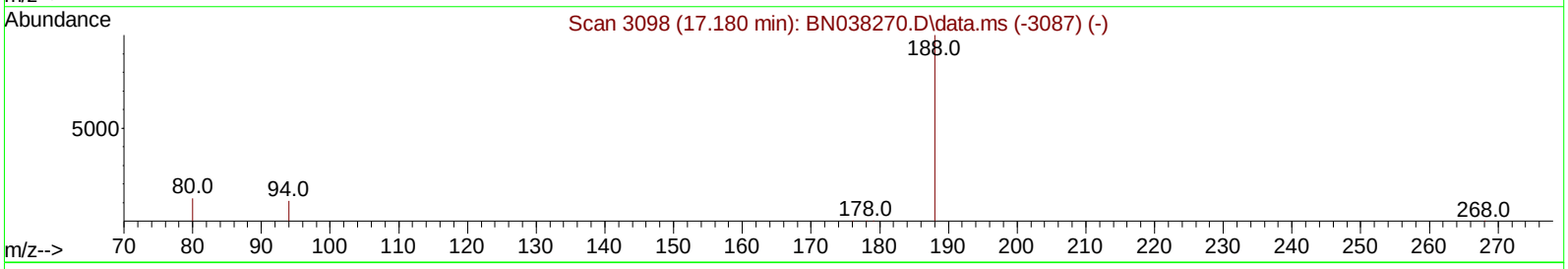
Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038278.D\data.ms

(13) Phenanthrene-d10 (I)

17.176min (-0.013) 0.40 ng/ul m

response 18317

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.63
80.00	12.20	13.07
0.00	0.00	0.00

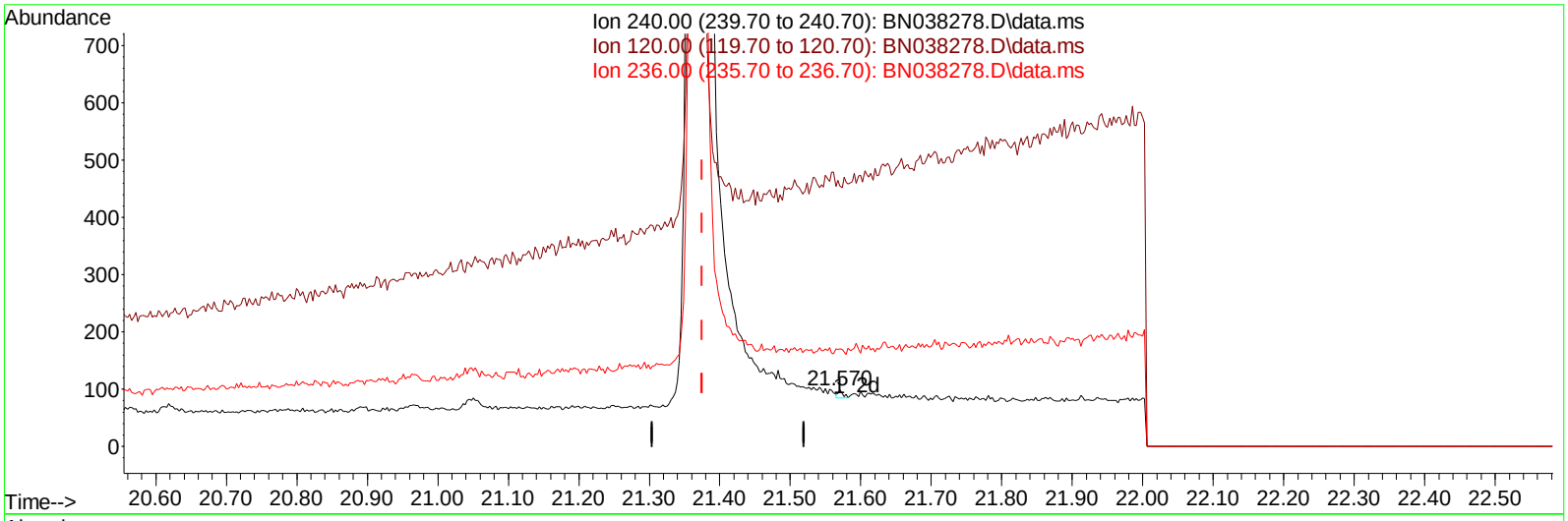
Quantitation Report (Qedit)

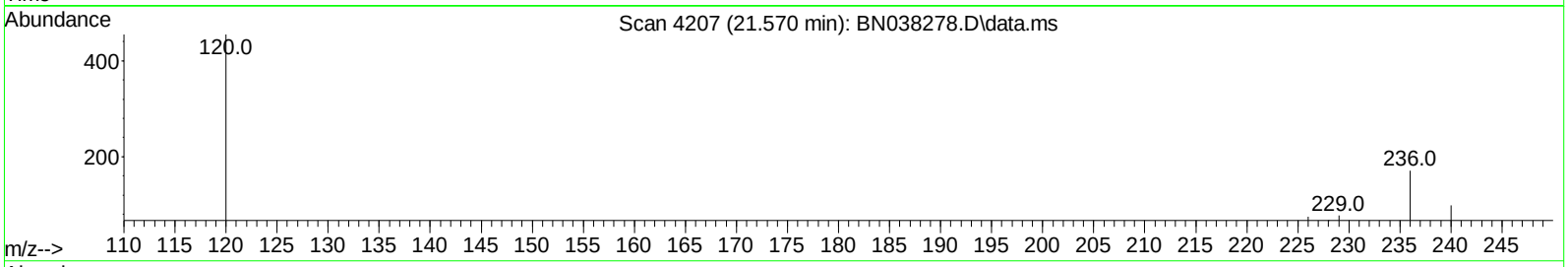
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

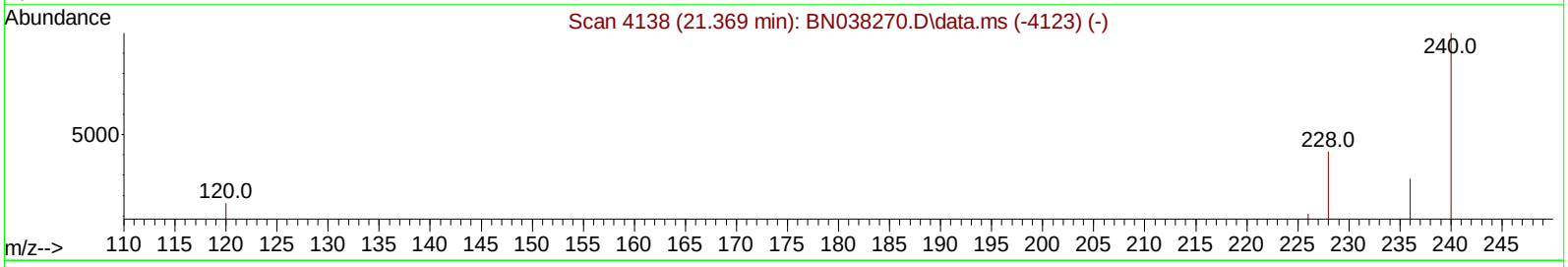
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038278.D\data.ms

(17) Chrysene-d12

21.570min (+ 0.196) 0.40 ng/ul

response 7

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	459.60#
236.00	29.60	172.73#
0.00	0.00	0.00

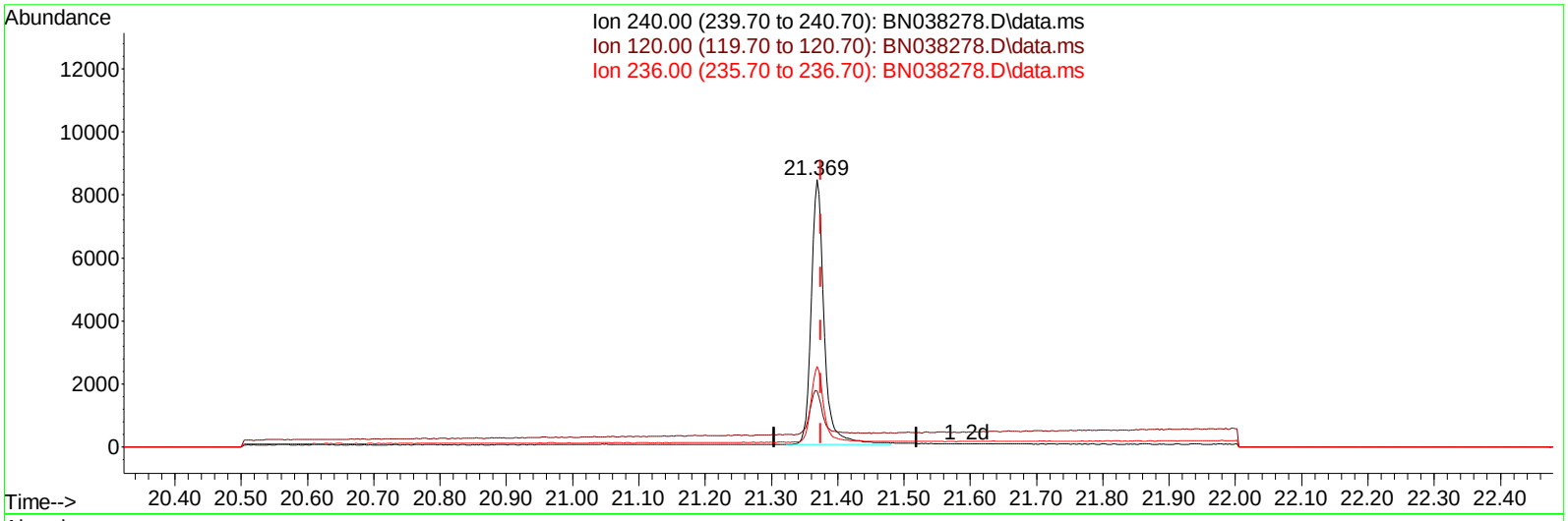
Quantitation Report (Qedit)

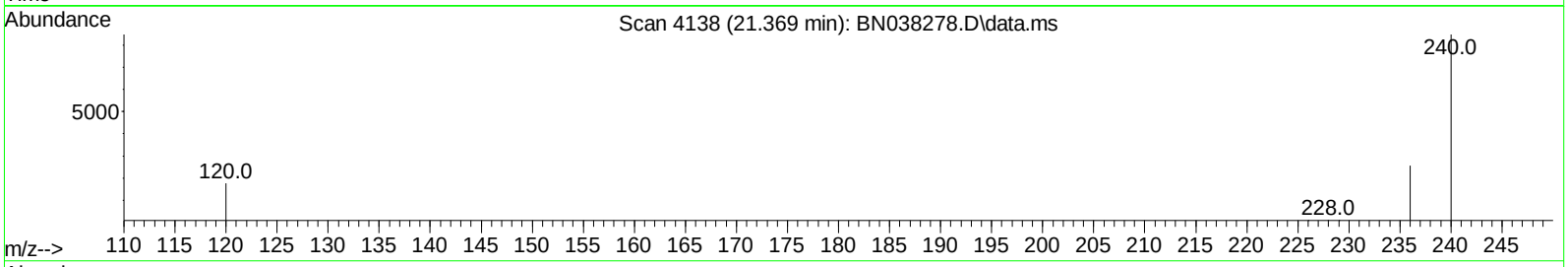
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

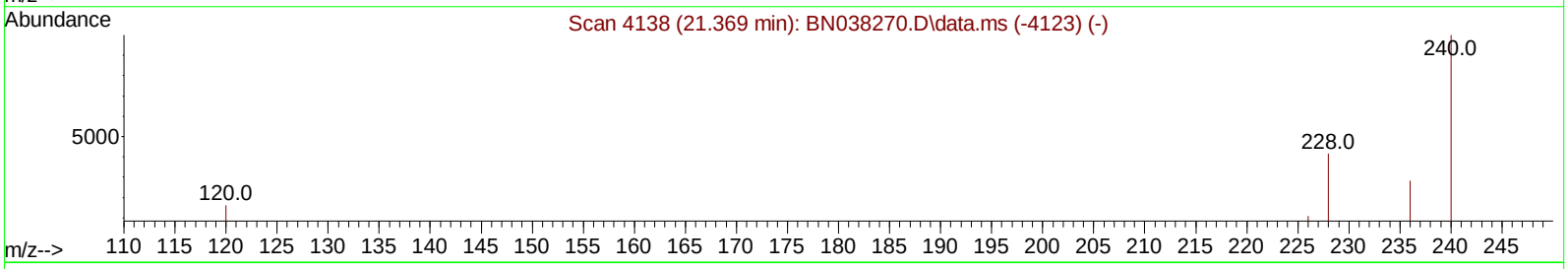
Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038278.D\data.ms

(17) Chrysene-d12

21.369min (-0.006) 0.40 ng/ul m

response 11615

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	20.90
236.00	29.60	30.09
0.00	0.00	0.00

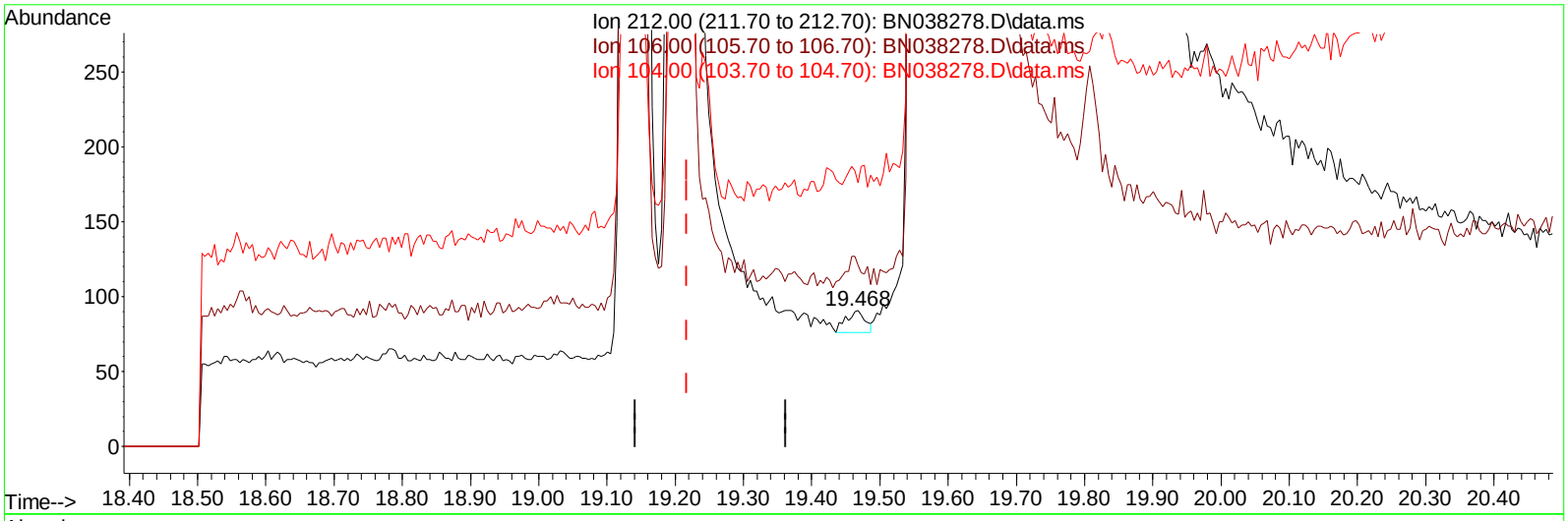
Quantitation Report (Qedit)

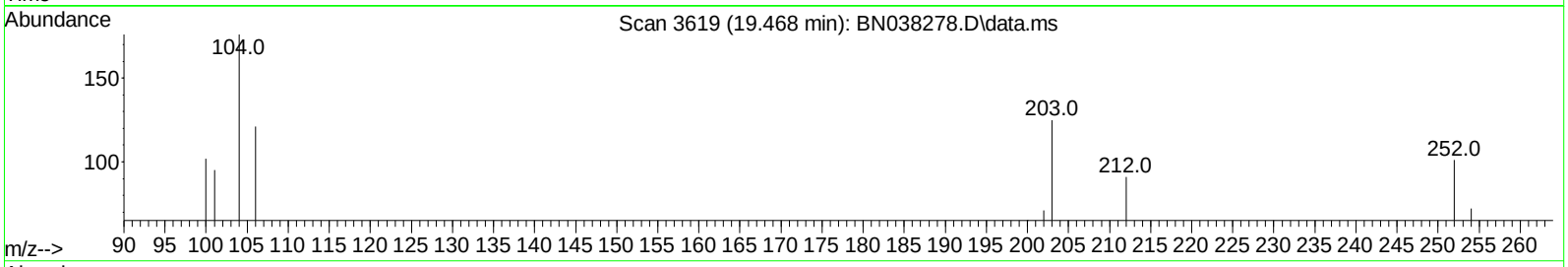
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Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

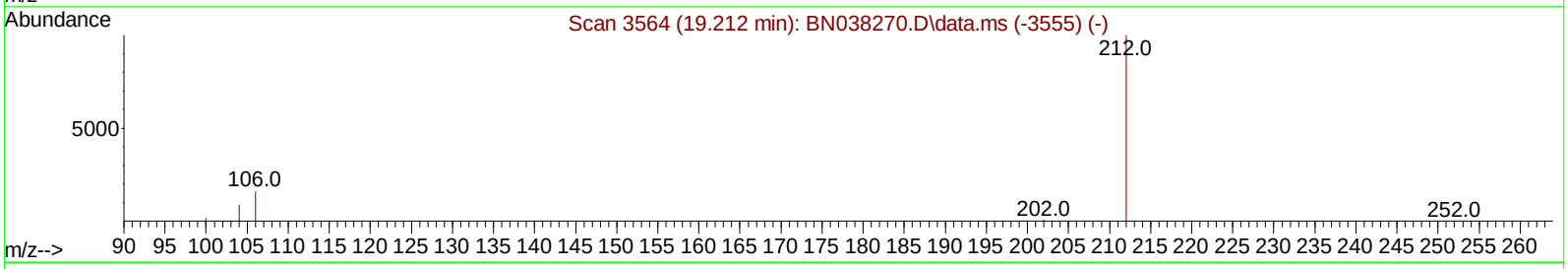
Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038278.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.468min (+ 0.251) 0.00 ng/ul

response 29

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	127.59#
104.00	9.20	31.03#
0.00	0.00	0.00

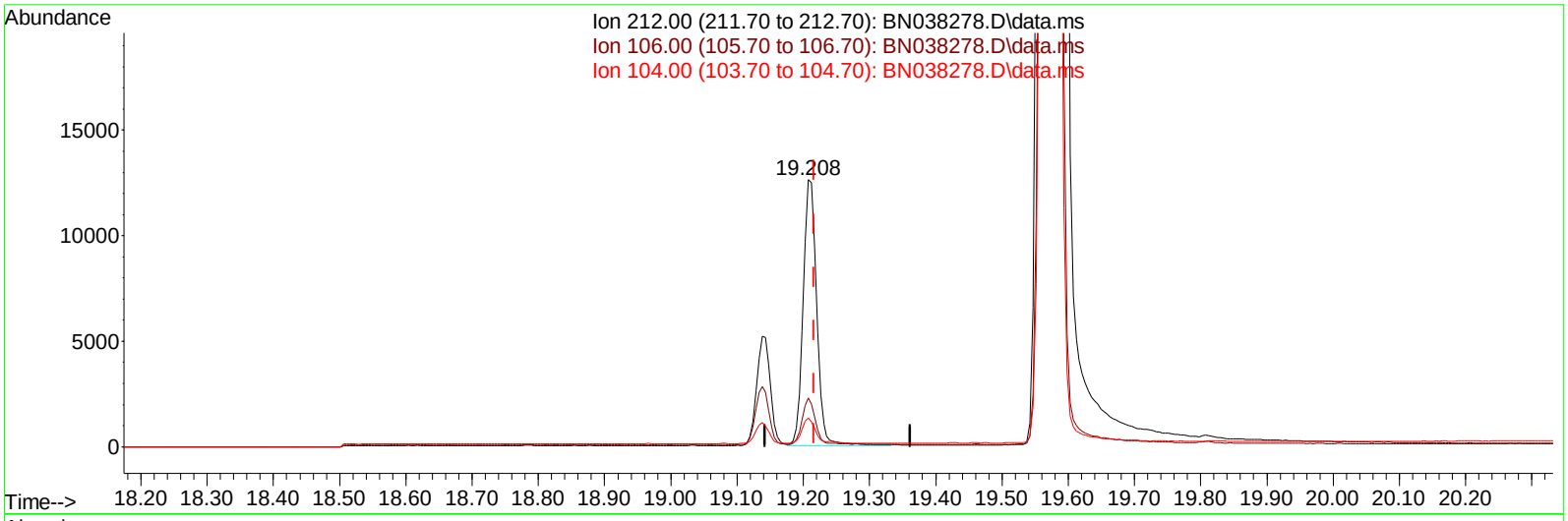
Quantitation Report (Qedit)

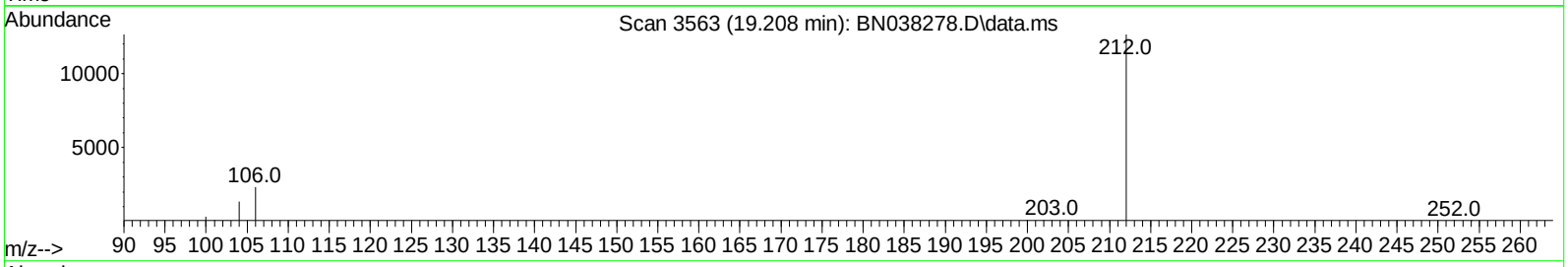
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Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

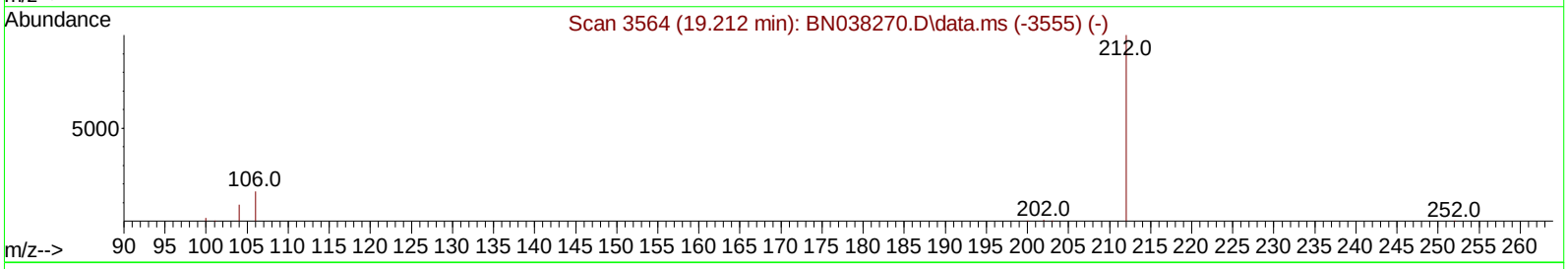
Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038278.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.208min (-0.009) 0.40 ng/ul m

response 17949

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.21#
104.00	9.20	0.05#
0.00	0.00	0.00

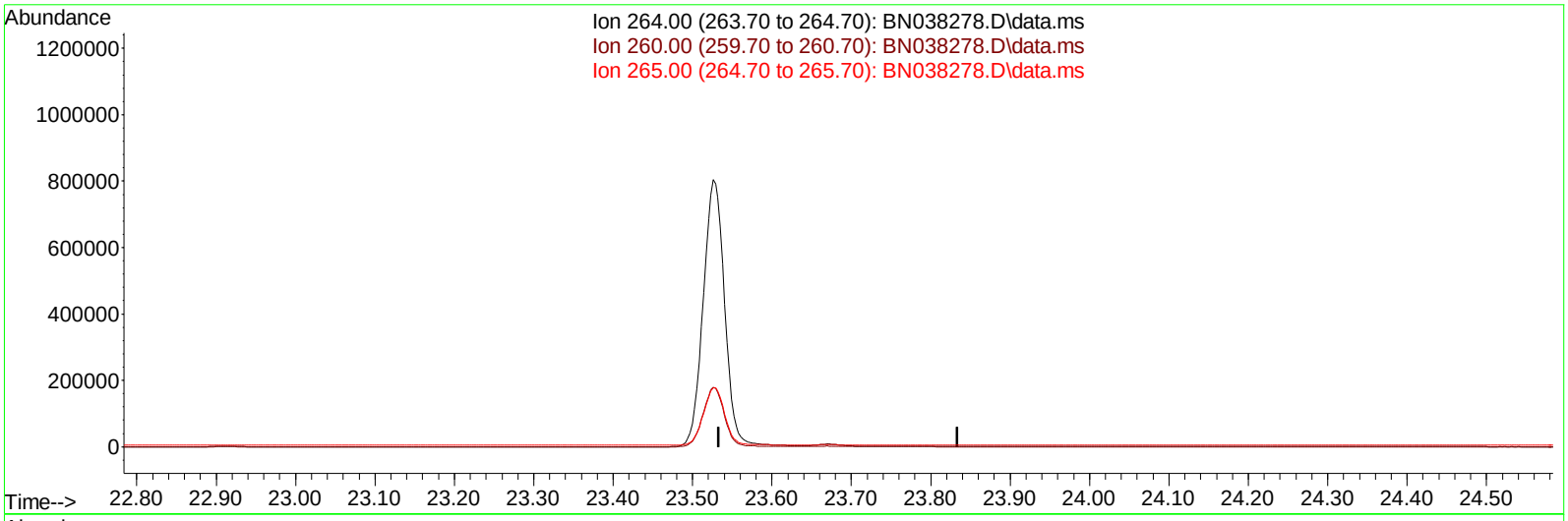
Quantitation Report (Qedit)

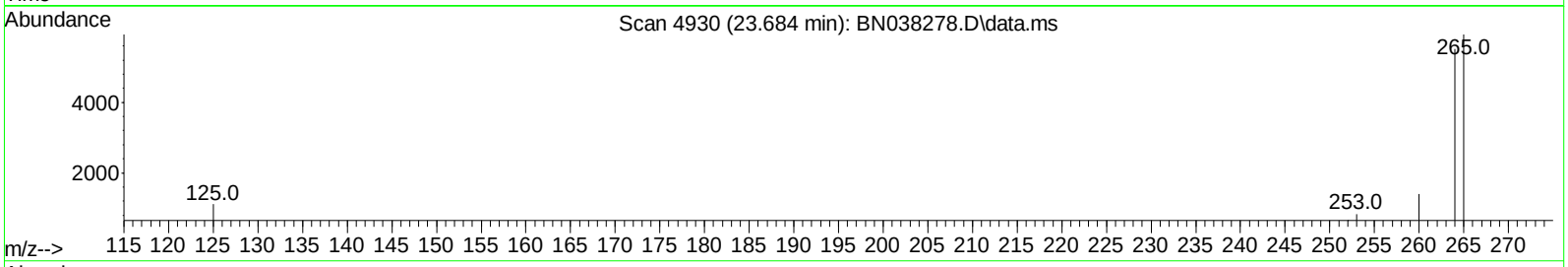
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

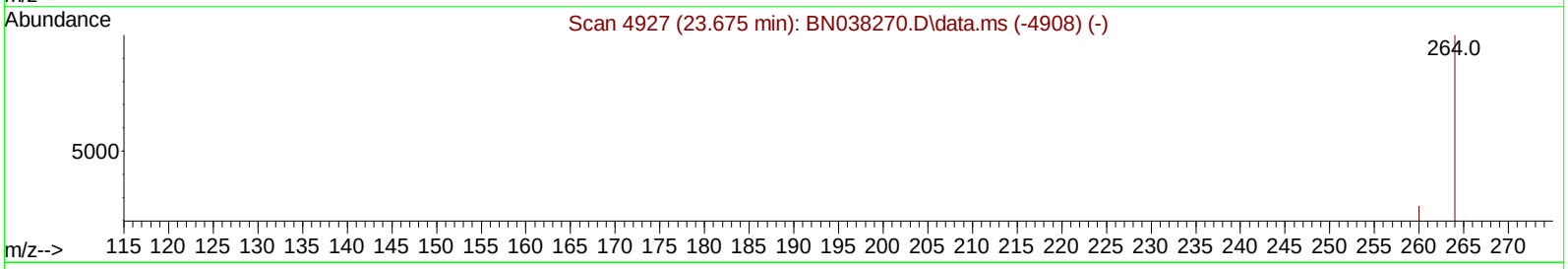
Quant Time: Dec 05 17:21:41 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038278.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

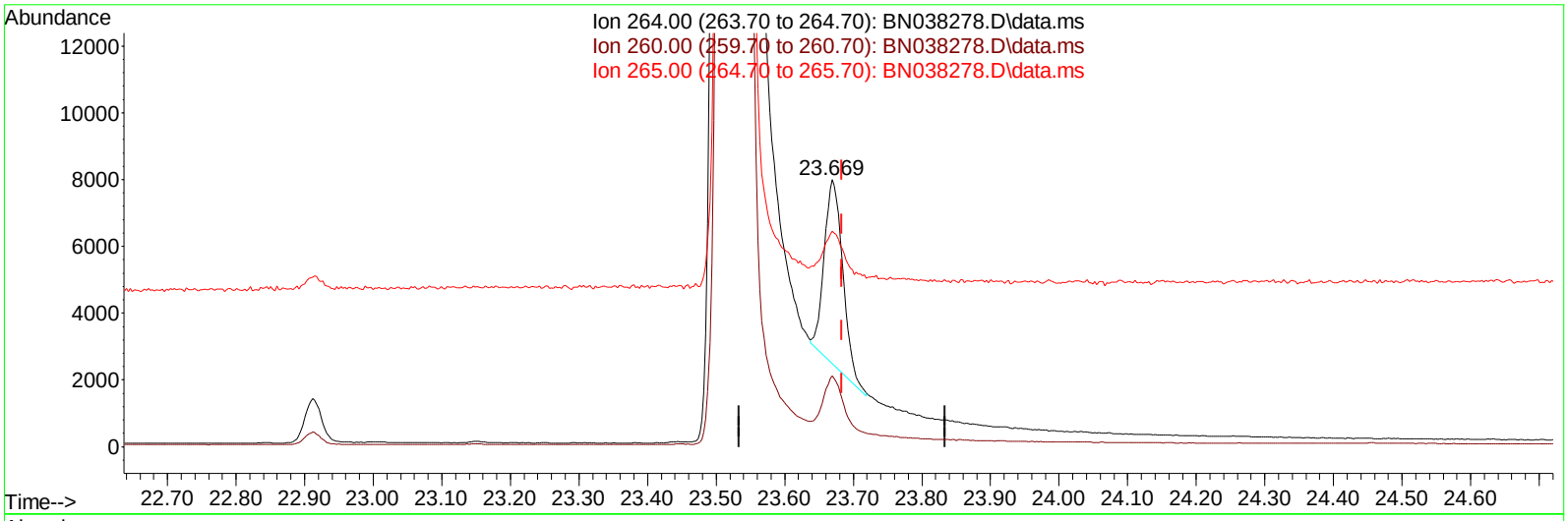
Quantitation Report (Qedit)

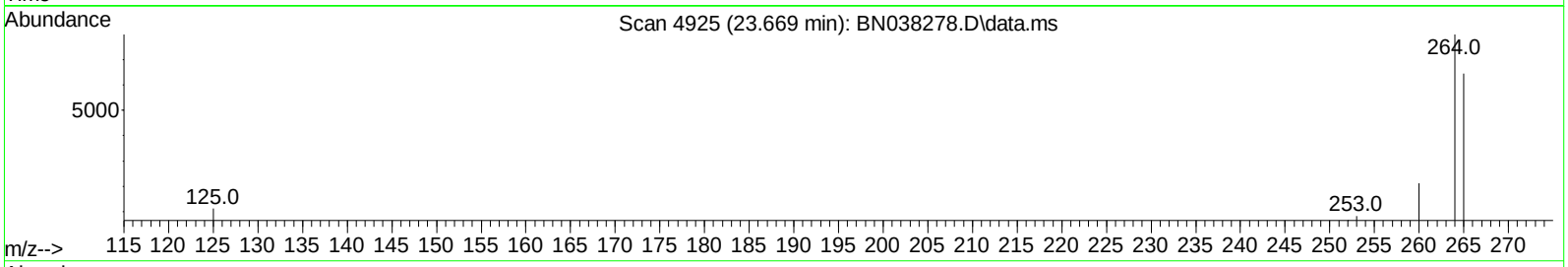
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

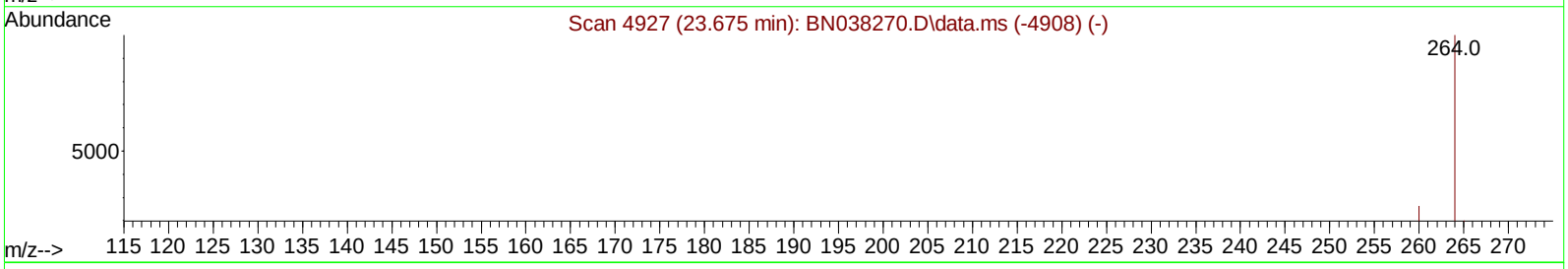
Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038278.D\data.ms

(23) Perylene-d12 (I)

23.669min (-0.015) 0.40 ng/ul m

response 10243

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.60
265.00	124.40	80.81#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038278.D
Acq On : 05 Dec 2025 16:55
Operator : RC/JU
Sample : Q3688-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RBGW-20251124

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM

Quant Time: Dec 05 17:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	7733	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.562	136	24457	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.424	164	12576	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.176	188	18317m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.369	240	11615m	0.400	ng/ul	0.00
23) Perylene-d12	23.669	264	10243m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	38812	4.783	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	12930	0.371	ng/ul	-0.01
18) Fluoranthene-d10	19.208	212	17949m	0.398	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	371	0.042	ng/ul#	44

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-1

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-20
Sample wt/vol : 980 (g/mL) mL
Lab File ID : BN038277.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.050	J

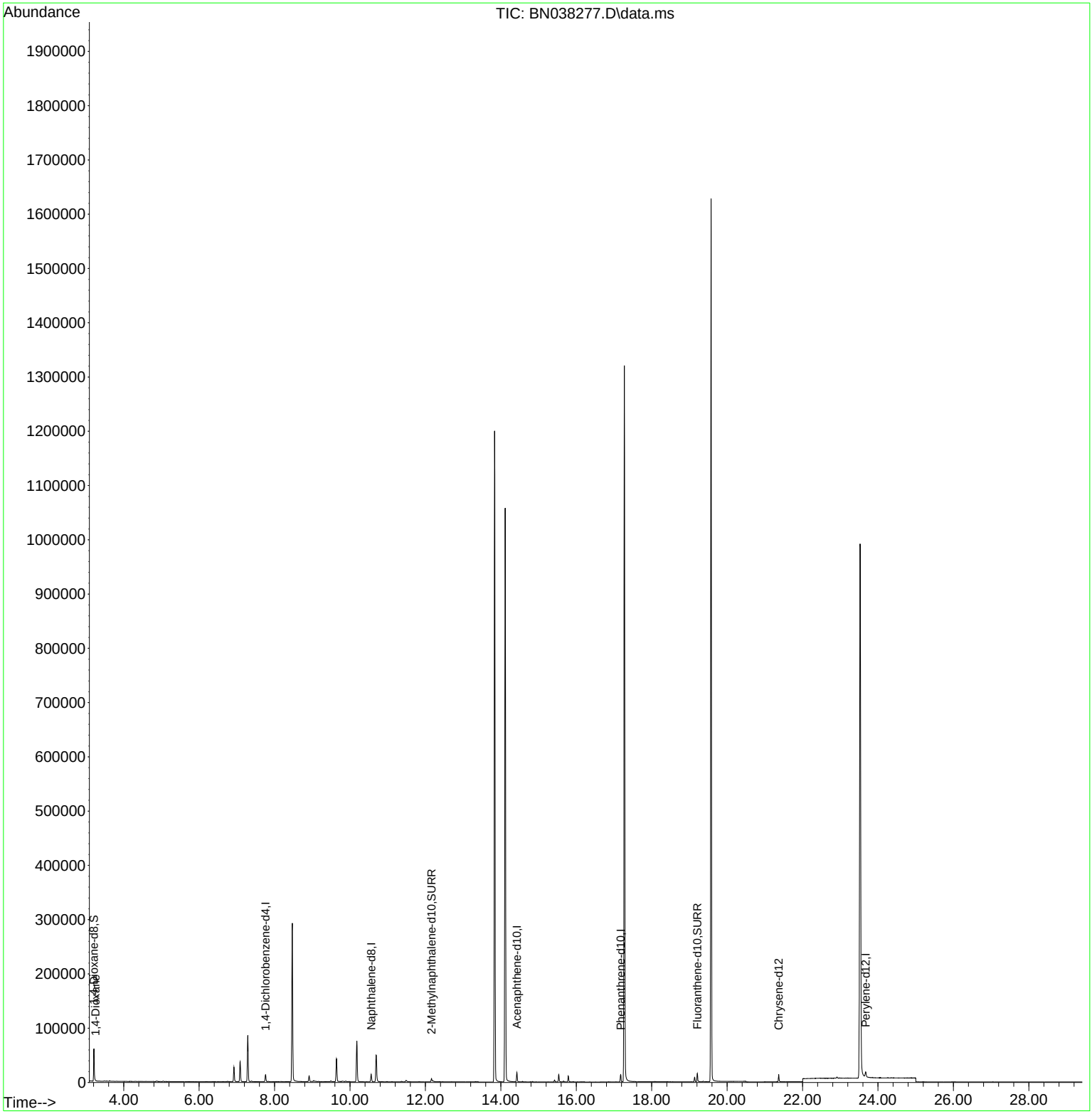
Quantitation Report (QT Reviewed)

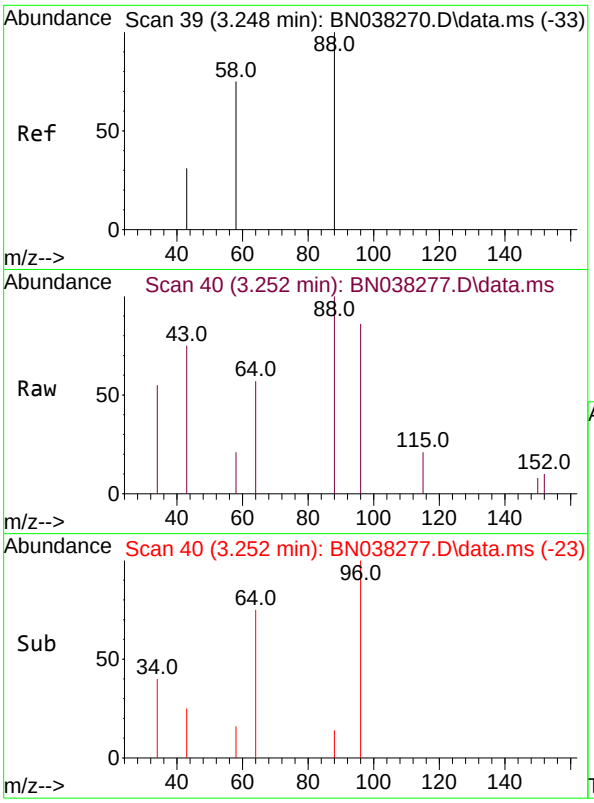
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Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

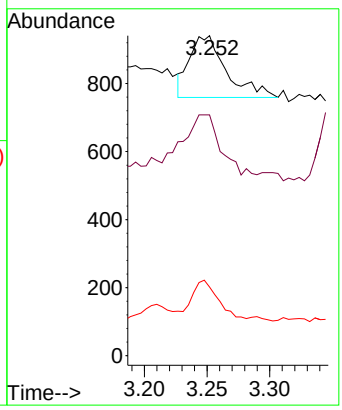




#2
1,4-Dioxane
Concen: 0.050 ng/ul
RT: 3.252 min Scan# 40
Delta R.T. 0.000 min
Lab File: BN038277.D
Acq: 05 Dec 2025 16:20

Tgt Ion: 88 Resp: 372

Ion	Ratio	Lower	Upper
88	100		
43	75.2	27.5	41.3#
58	21.5	50.5	75.7#



Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	6582	0.400	ng/ul	0.00
4) Naphthalene-d8	10.561	136	18378	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.427	164	9278	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	16147m	0.400	ng/ul	0.00
17) Chrysene-d12	21.369	240	12413m	0.400	ng/ul	0.00
23) Perylene-d12	23.672	264	11053m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	34825	5.043	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	8375	0.320	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	16741m	0.347	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	372	0.050	ng/ul#	40

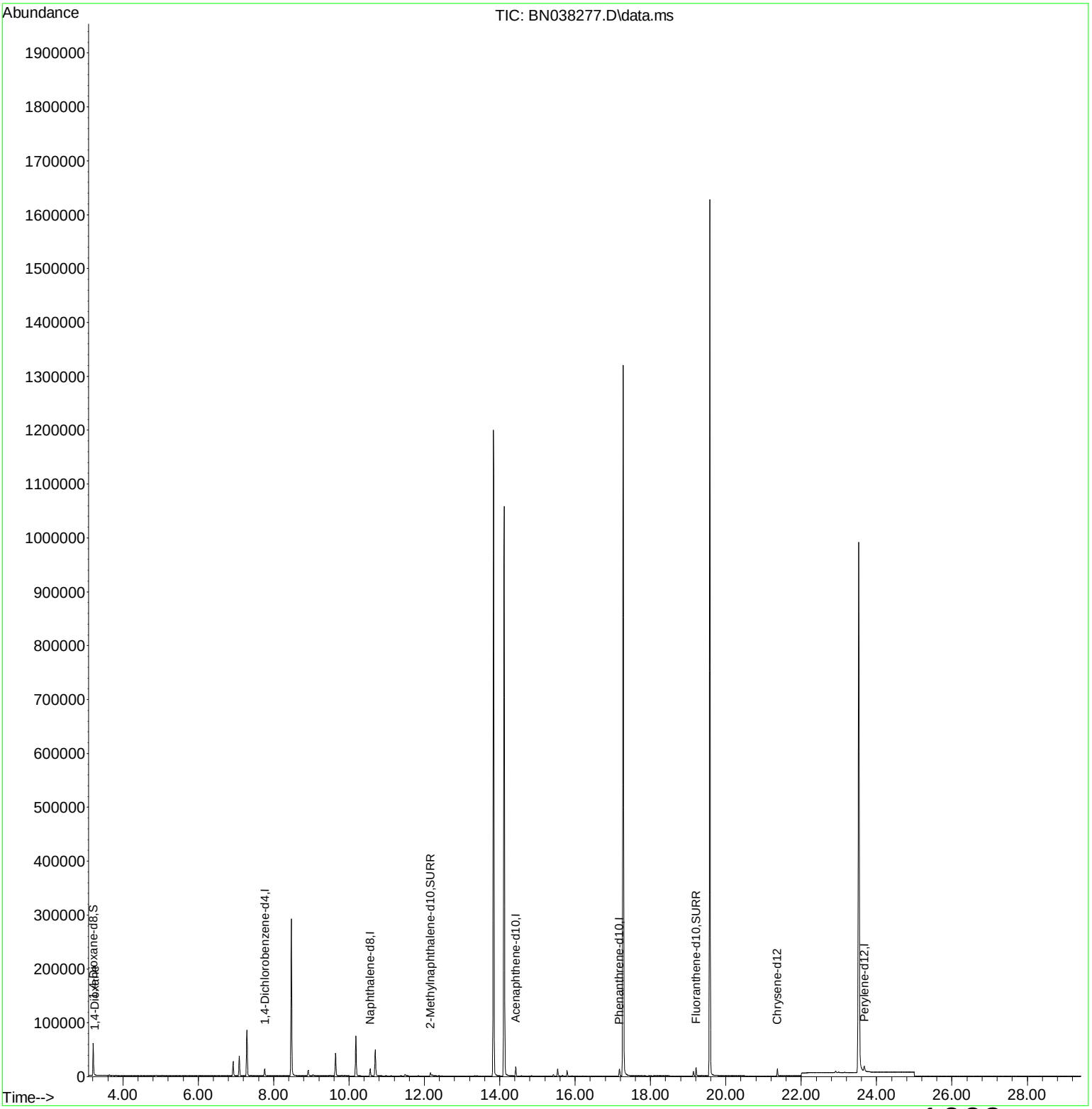
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



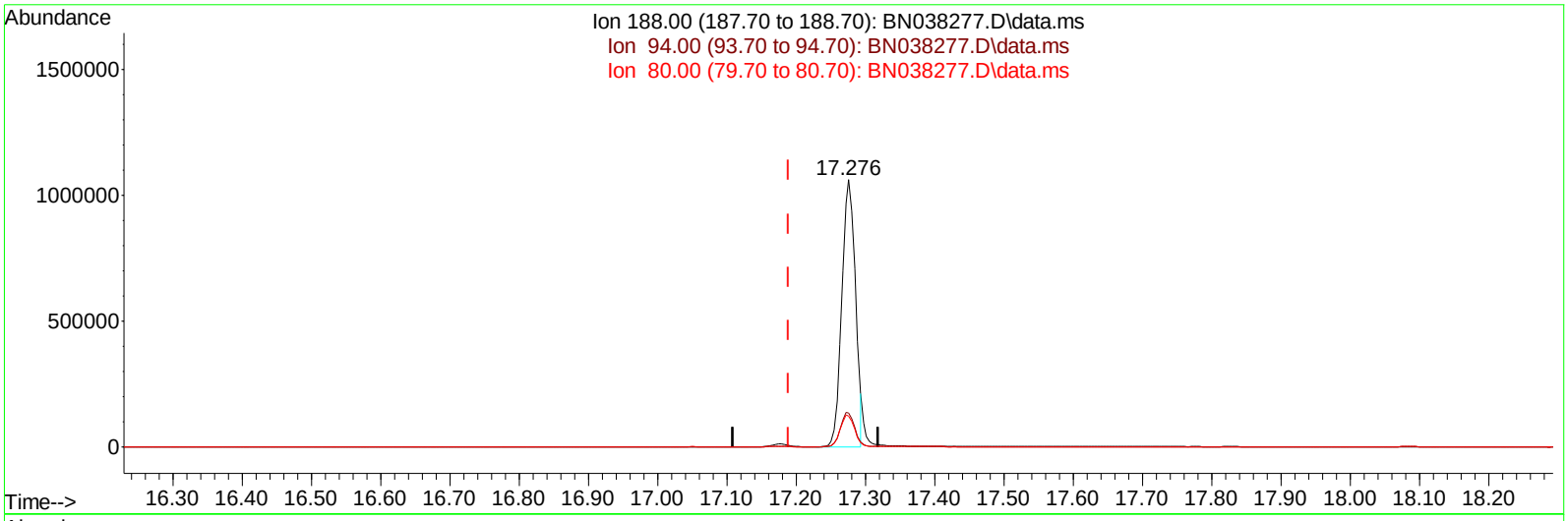
Quantitation Report (Qedit)

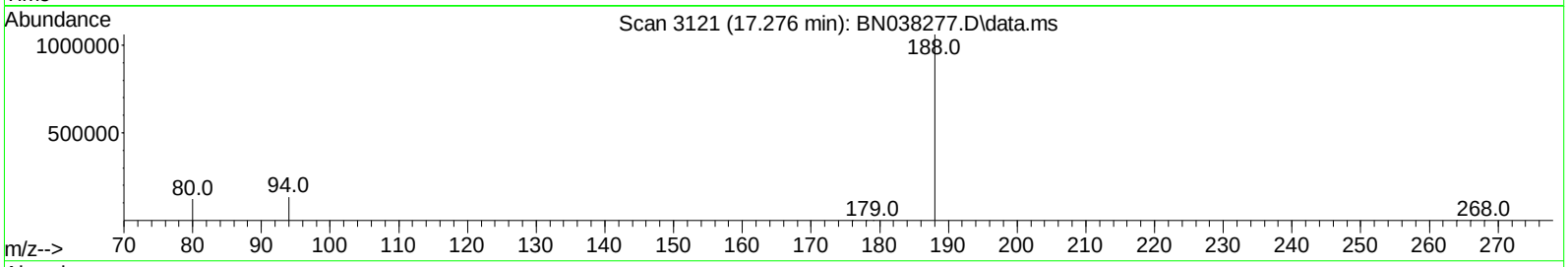
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

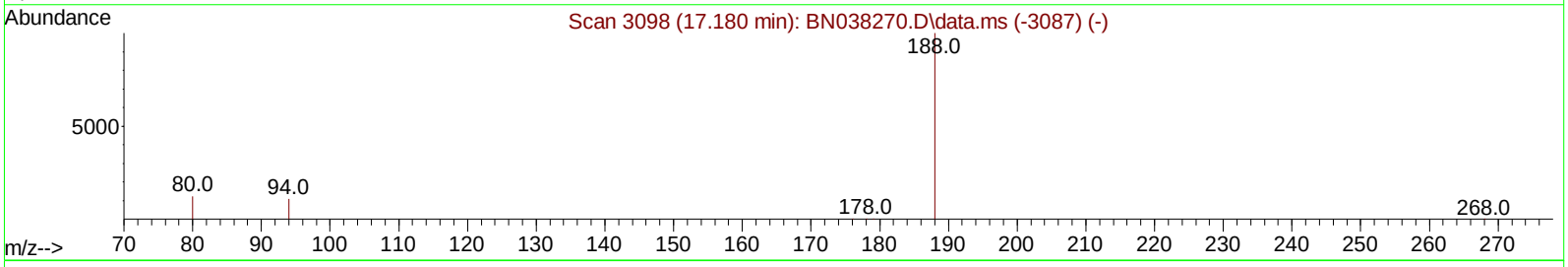
Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038277.D\data.ms

(13) Phenanthrene-d10 (I)

17.276min (+ 0.087) 0.40 ng/ul

response 1439087

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.72
80.00	12.20	11.50
0.00	0.00	0.00

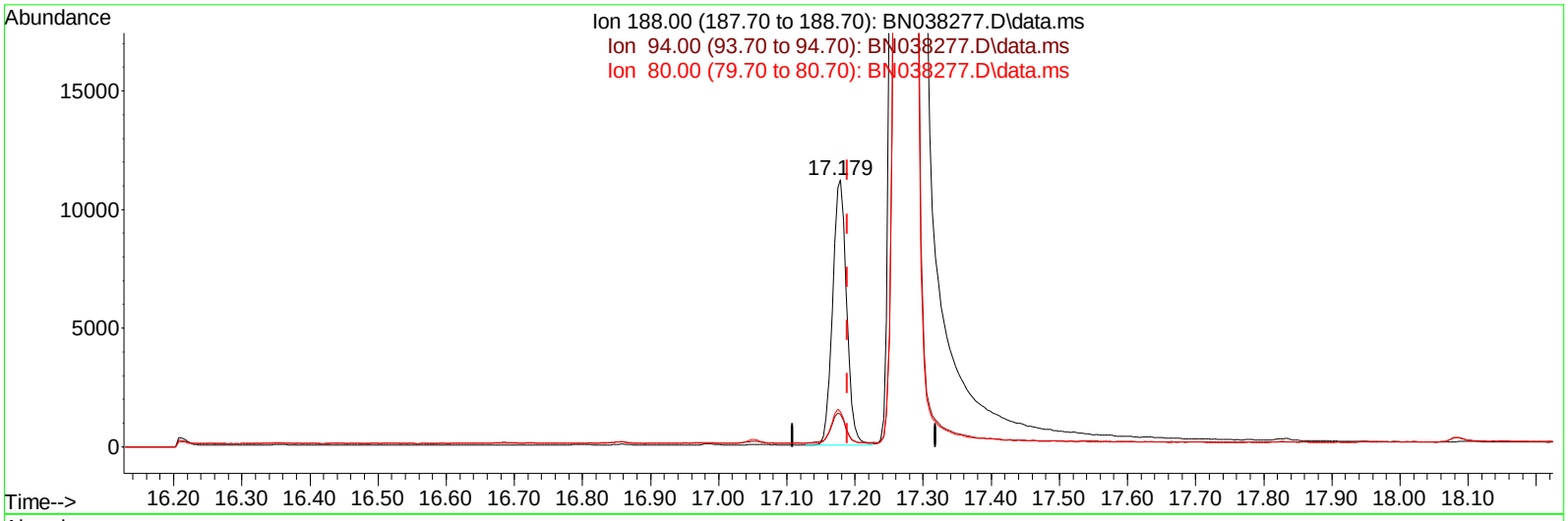
Quantitation Report (Qedit)

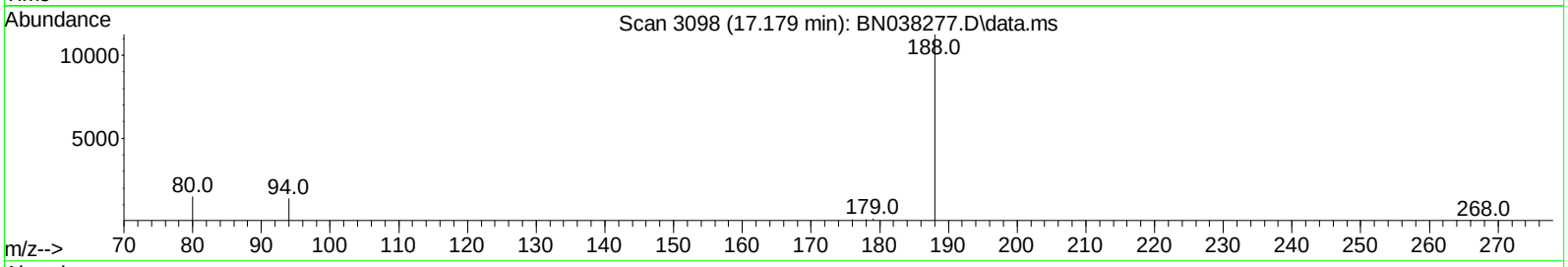
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Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

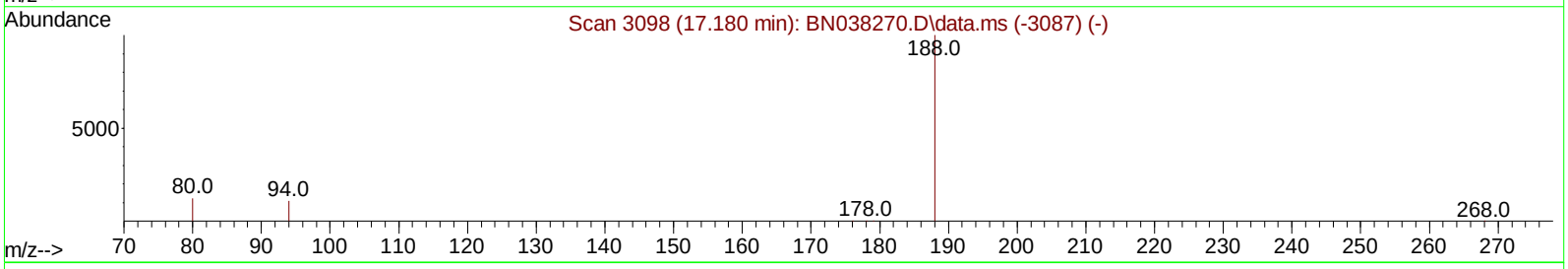
Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038277.D\data.ms

(13) Phenanthrene-d10 (I)

17.179min (-0.010) 0.40 ng/ul m

response 16147

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.23
80.00	12.20	13.14
0.00	0.00	0.00

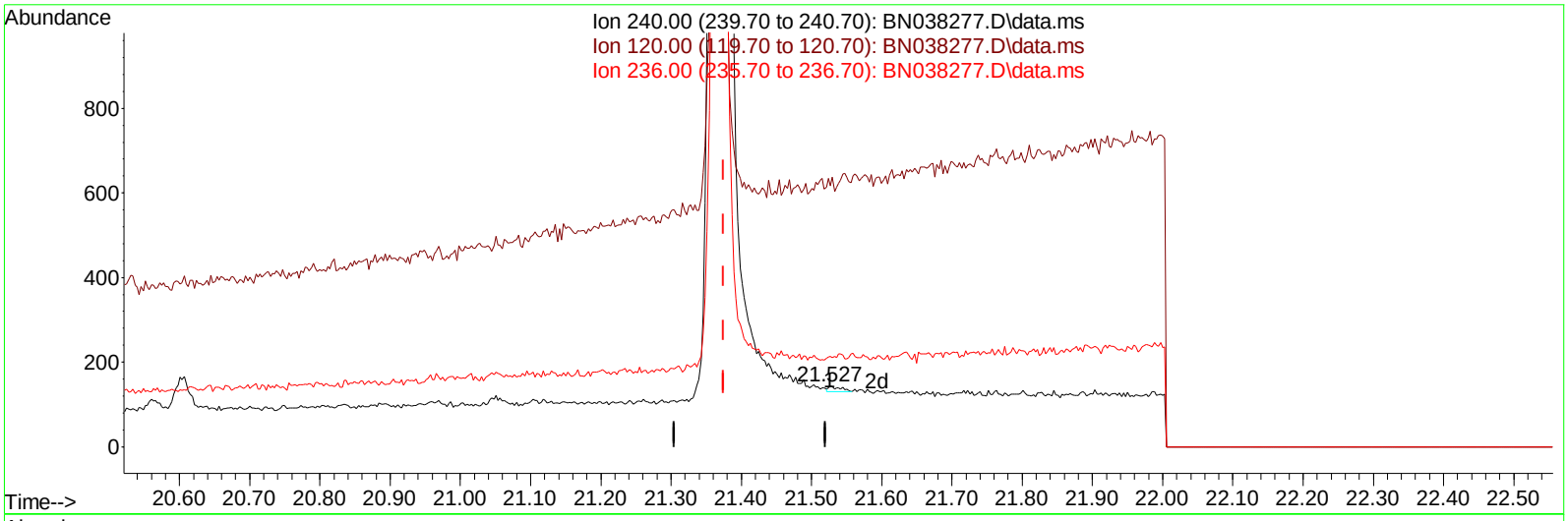
Quantitation Report (Qedit)

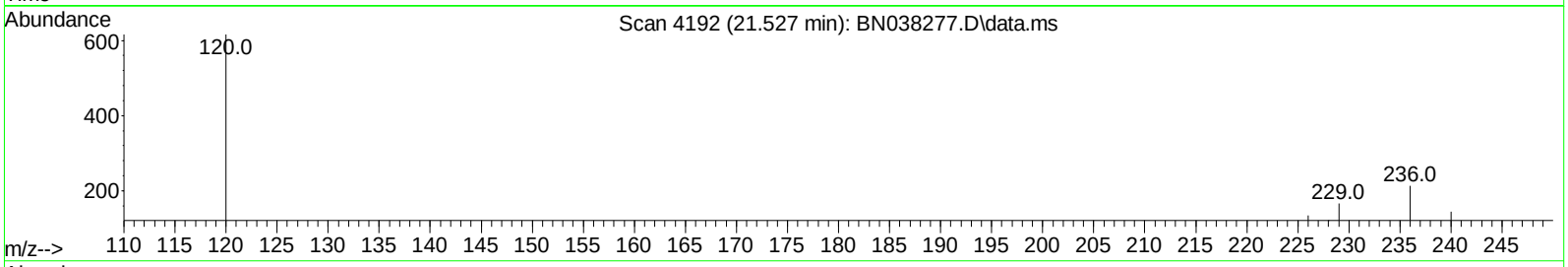
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Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

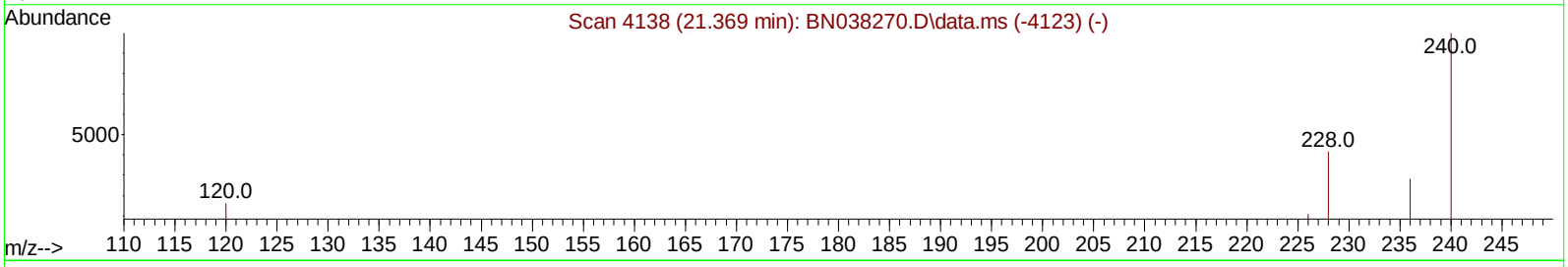
Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038277.D\data.ms

(17) Chrysene-d12

21.527min (+ 0.152) 0.40 ng/ul

response 17

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	427.78#
236.00	29.60	147.92#
0.00	0.00	0.00

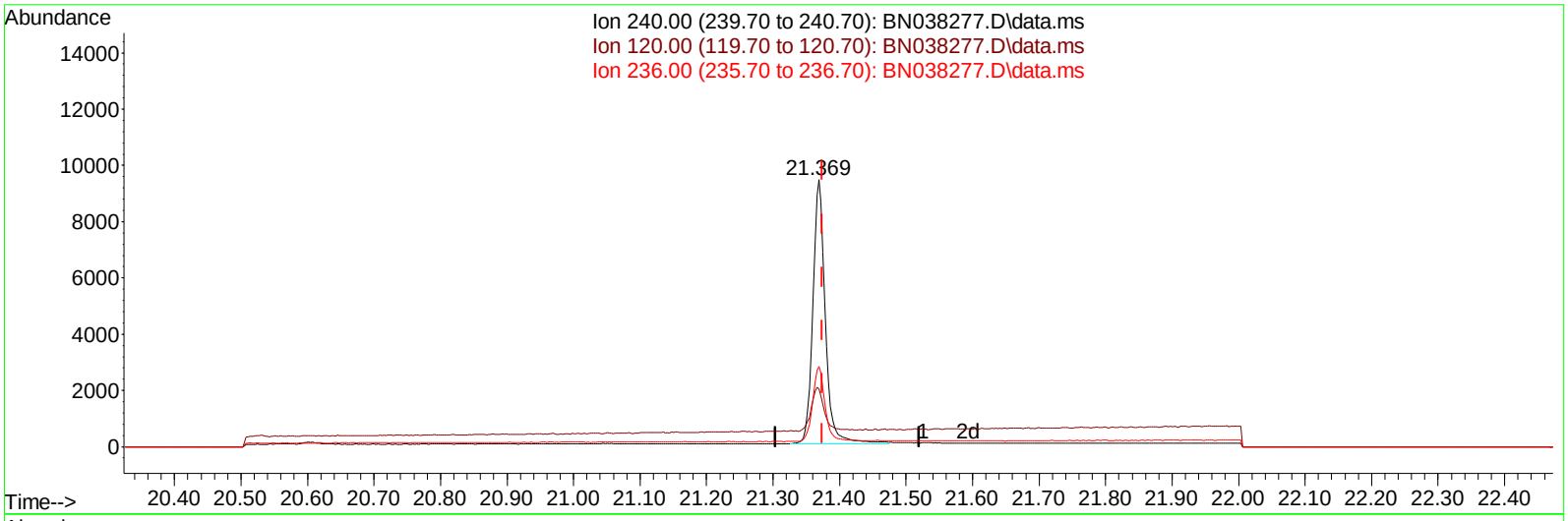
Quantitation Report (Qedit)

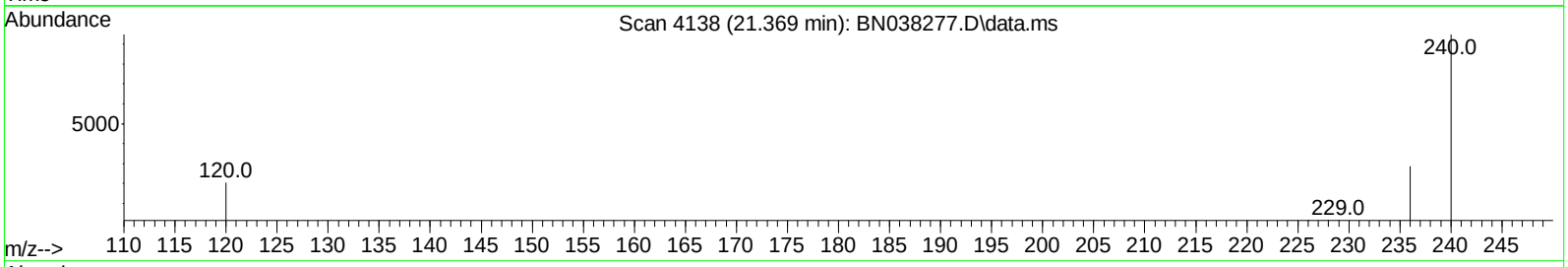
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Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

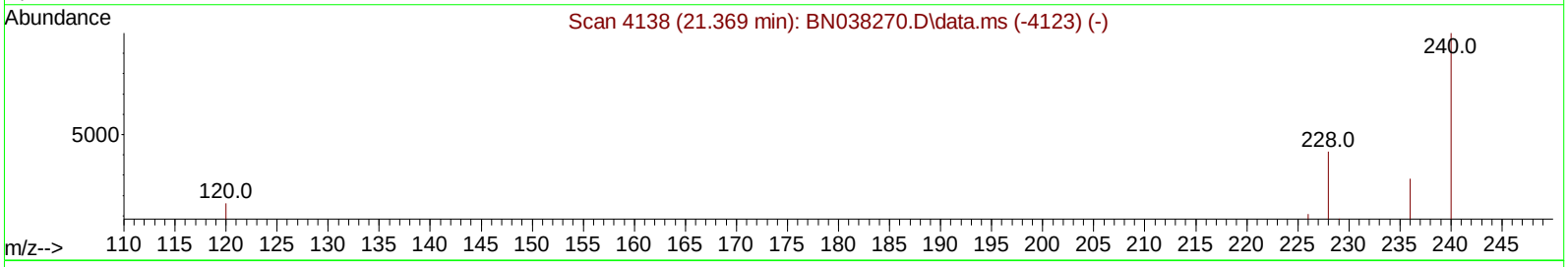
Quant Time: Dec 05 16:46:01 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038277.D\data.ms

(17) Chrysene-d12

21.369min (-0.006) 0.40 ng/ul m

response 12413

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.59
236.00	29.60	30.12
0.00	0.00	0.00

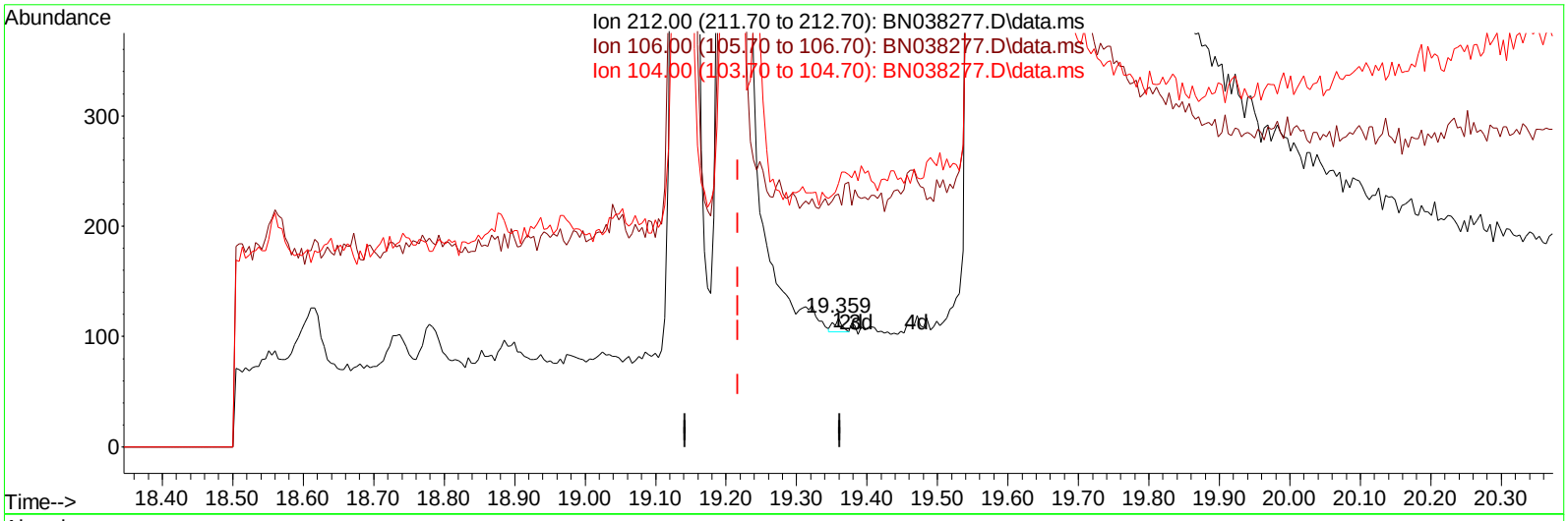
Quantitation Report (Qedit)

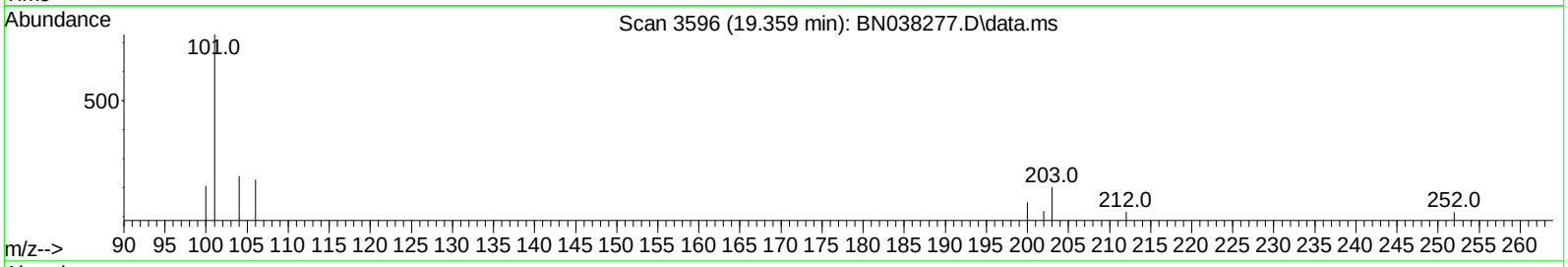
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Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

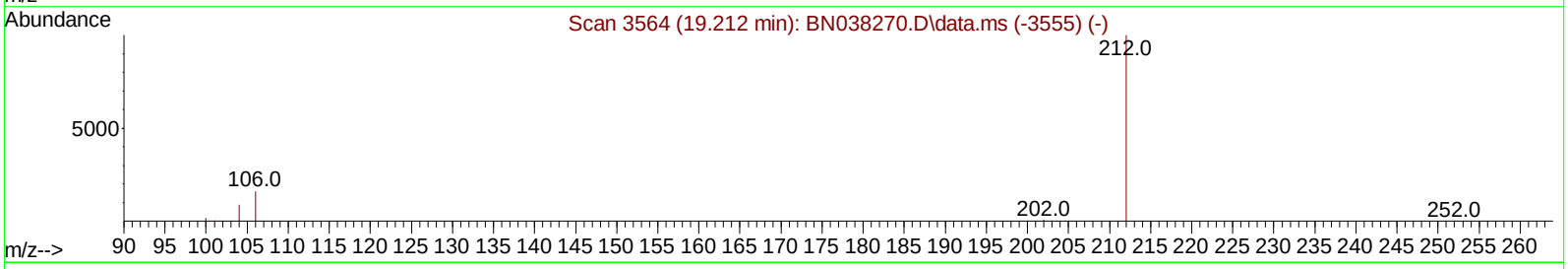
Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038277.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.359min (+ 0.143) 0.00 ng/ul

response 10

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

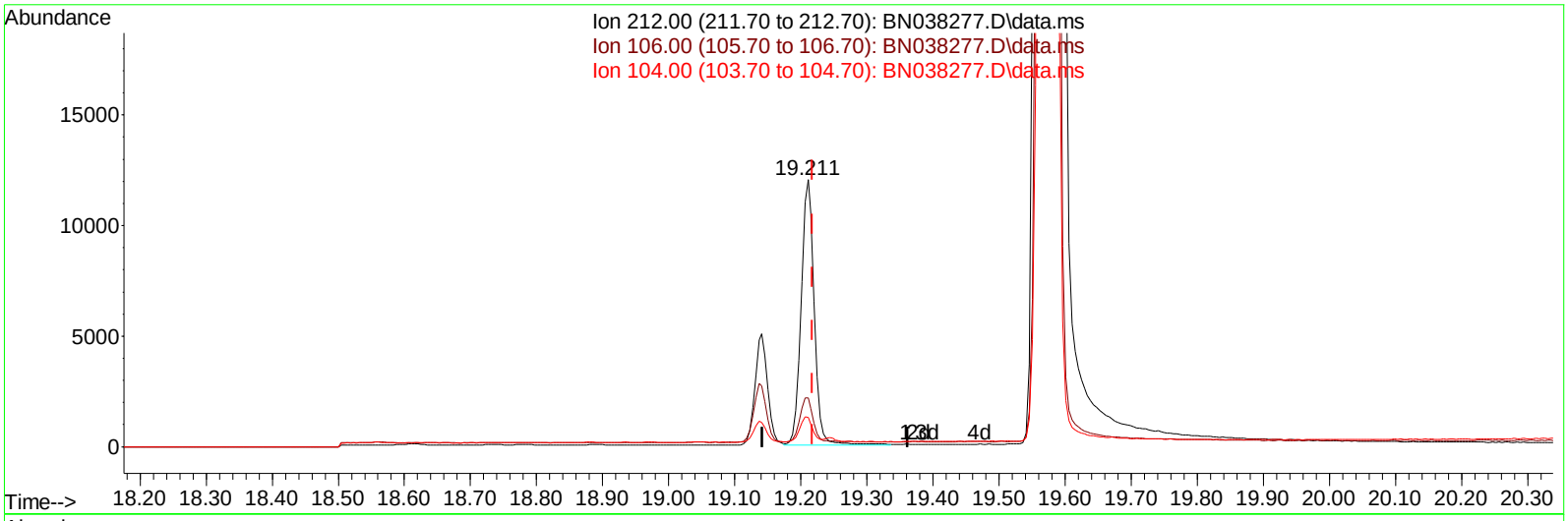
Quantitation Report (Qedit)

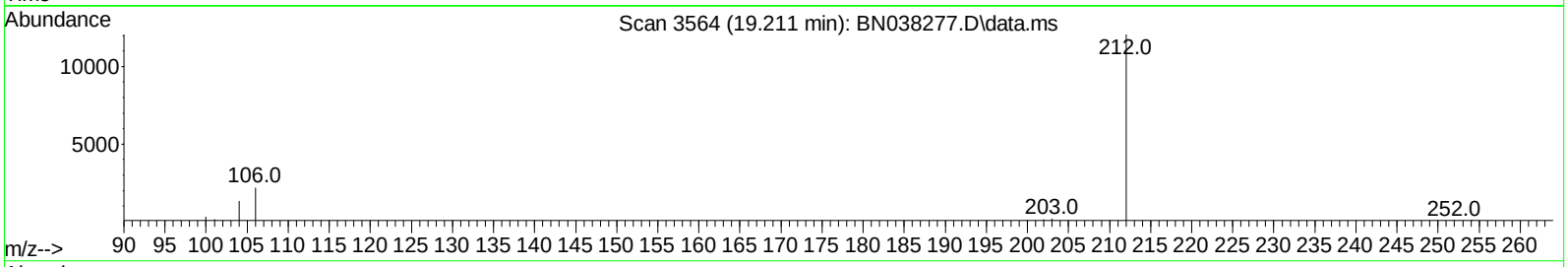
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

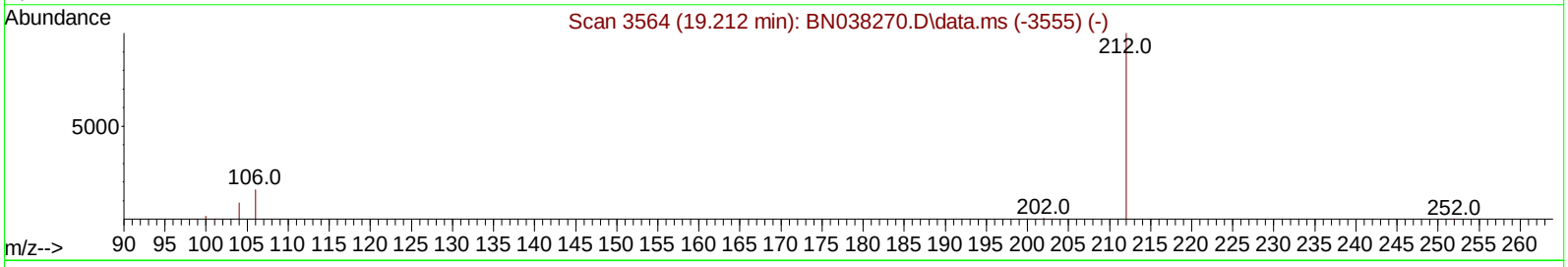
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038277.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.211min (-0.006) 0.35 ng/ul m

response 16741

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

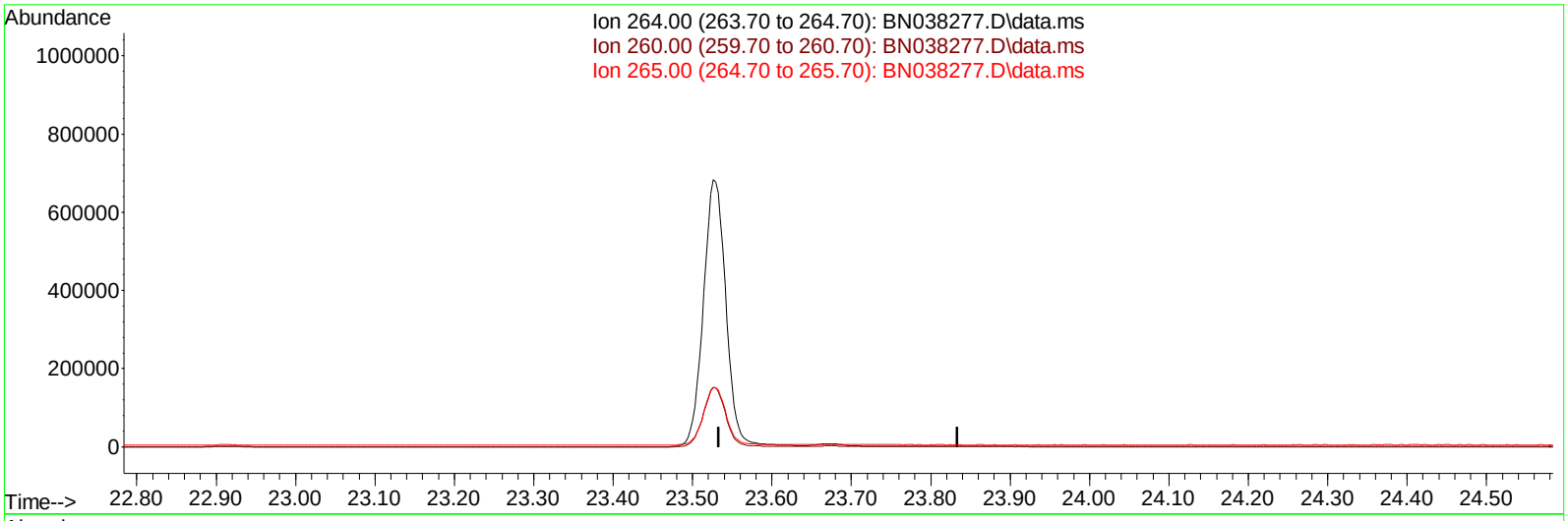
Quantitation Report (Qedit)

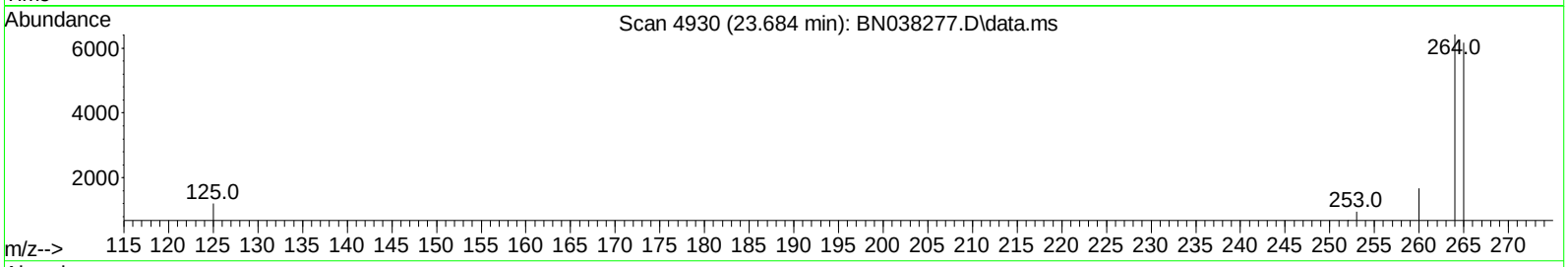
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Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

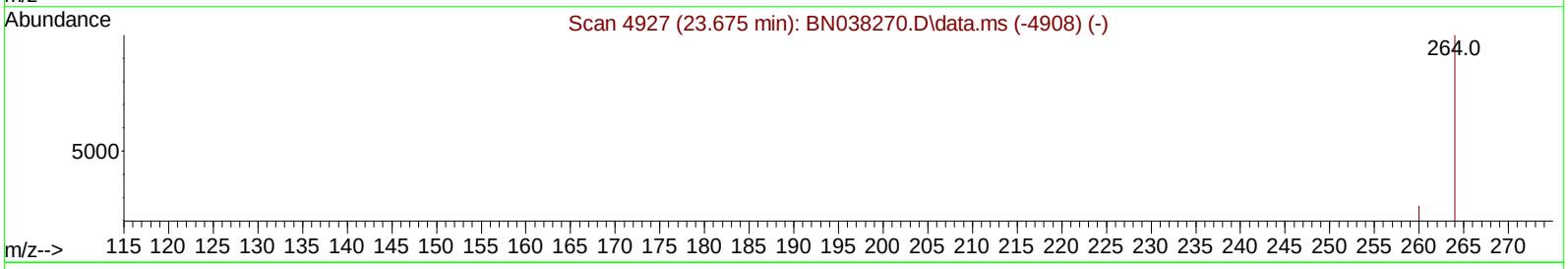
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038277.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

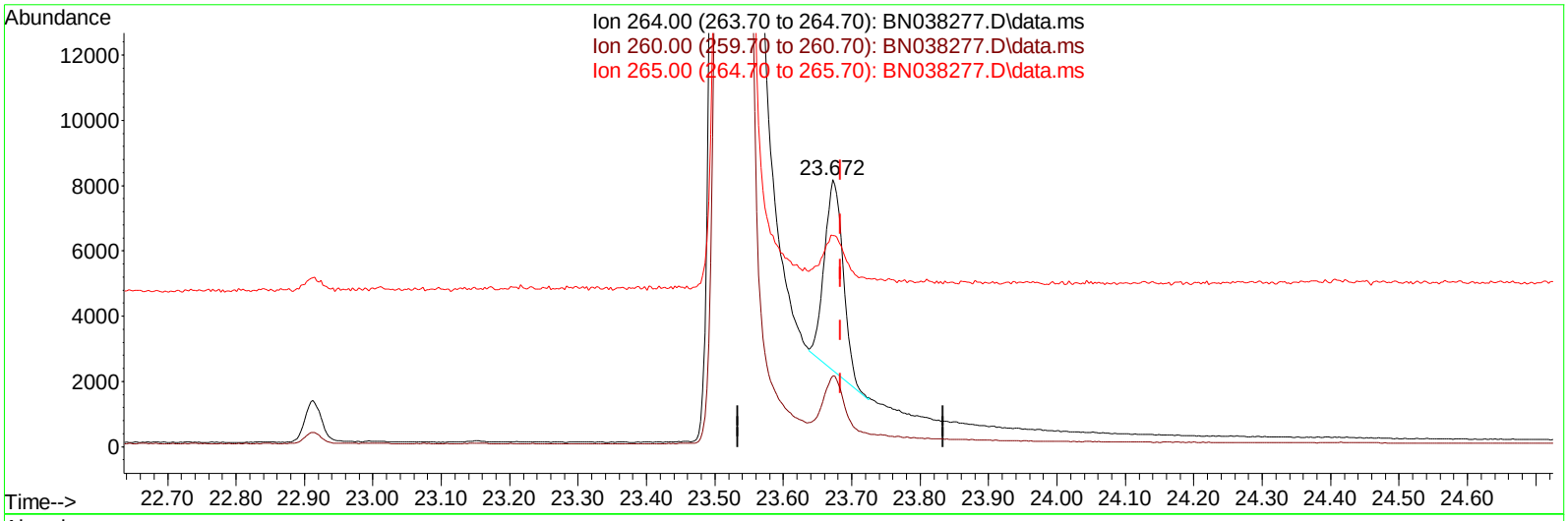
Quantitation Report (Qedit)

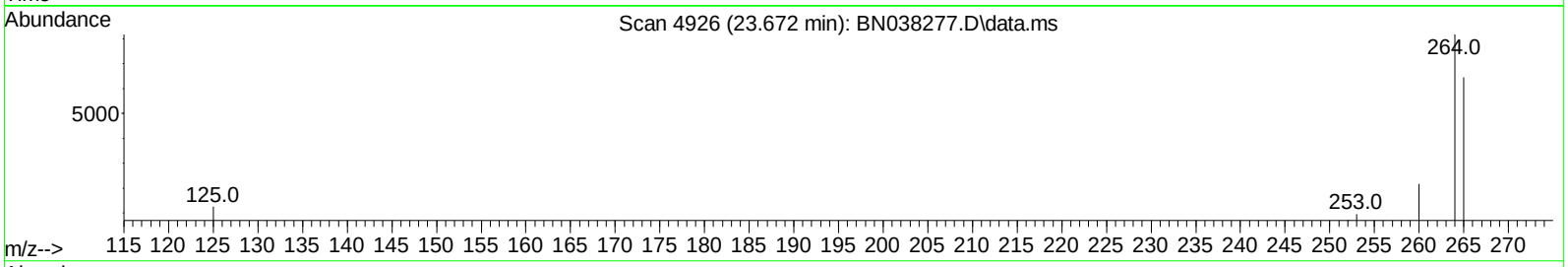
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Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

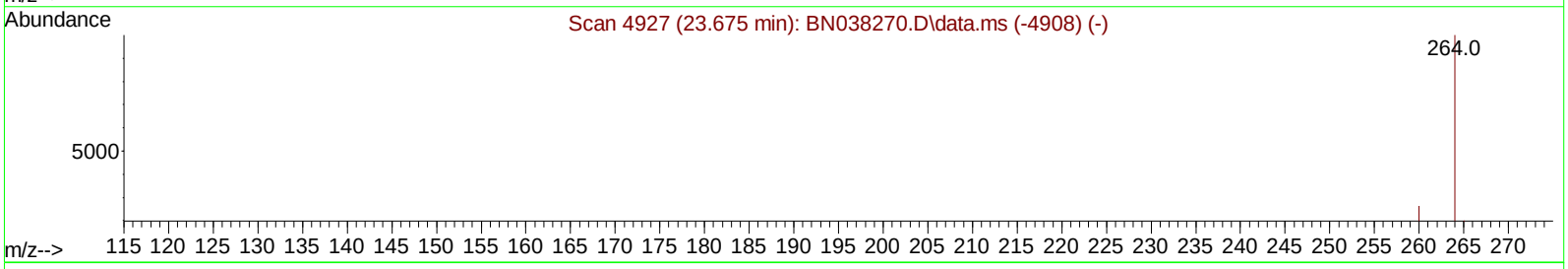
Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038277.D\data.ms

(23) Perylene-d12 (I)

23.672min (-0.012) 0.40 ng/ul m

response 11053

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.63
265.00	124.40	78.99#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038277.D
Acq On : 05 Dec 2025 16:20
Operator : RC/JU
Sample : Q3688-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WS-1

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 16:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	6582	0.400	ng/ul	0.00
4) Naphthalene-d8	10.561	136	18378	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.427	164	9278	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	16147m	0.400	ng/ul	0.00
17) Chrysene-d12	21.369	240	12413m	0.400	ng/ul	0.00
23) Perylene-d12	23.672	264	11053m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	34825	5.043	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	8375	0.320	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	16741m	0.347	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	372	0.050	ng/ul#	40

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
WS-14

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-16
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038264.D
% Solids :
Date Received : 11/21/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

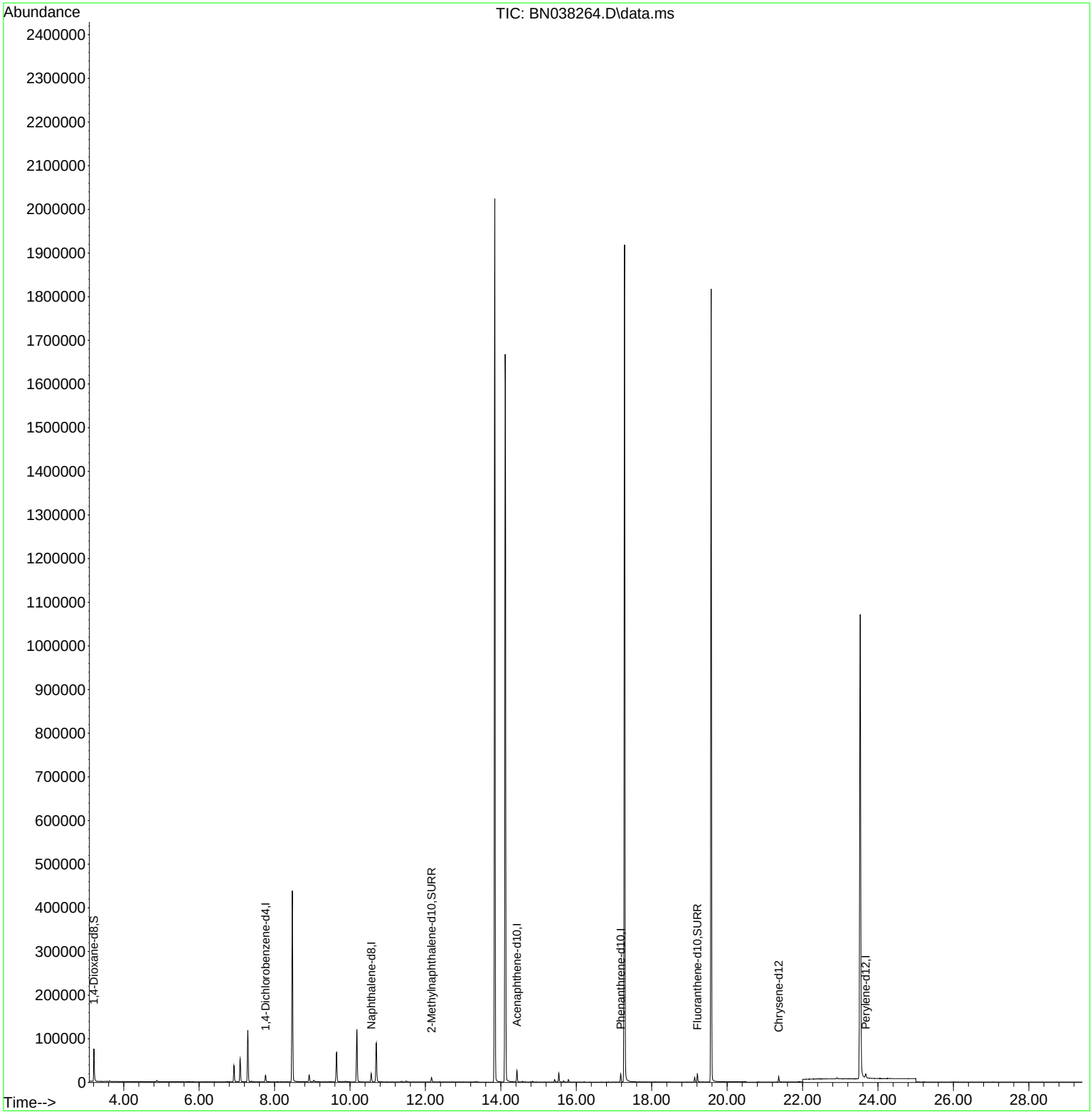
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM

Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7811	0.400	ng/ul	0.00
4) Naphthalene-d8	10.561	136	25704	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.427	164	14283	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	21386m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.369	240	11942m	0.400	ng/ul	0.00
23) Perylene-d12	23.675	264	10706m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	45650	5.570	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	13968	0.381	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	19704m	0.425	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

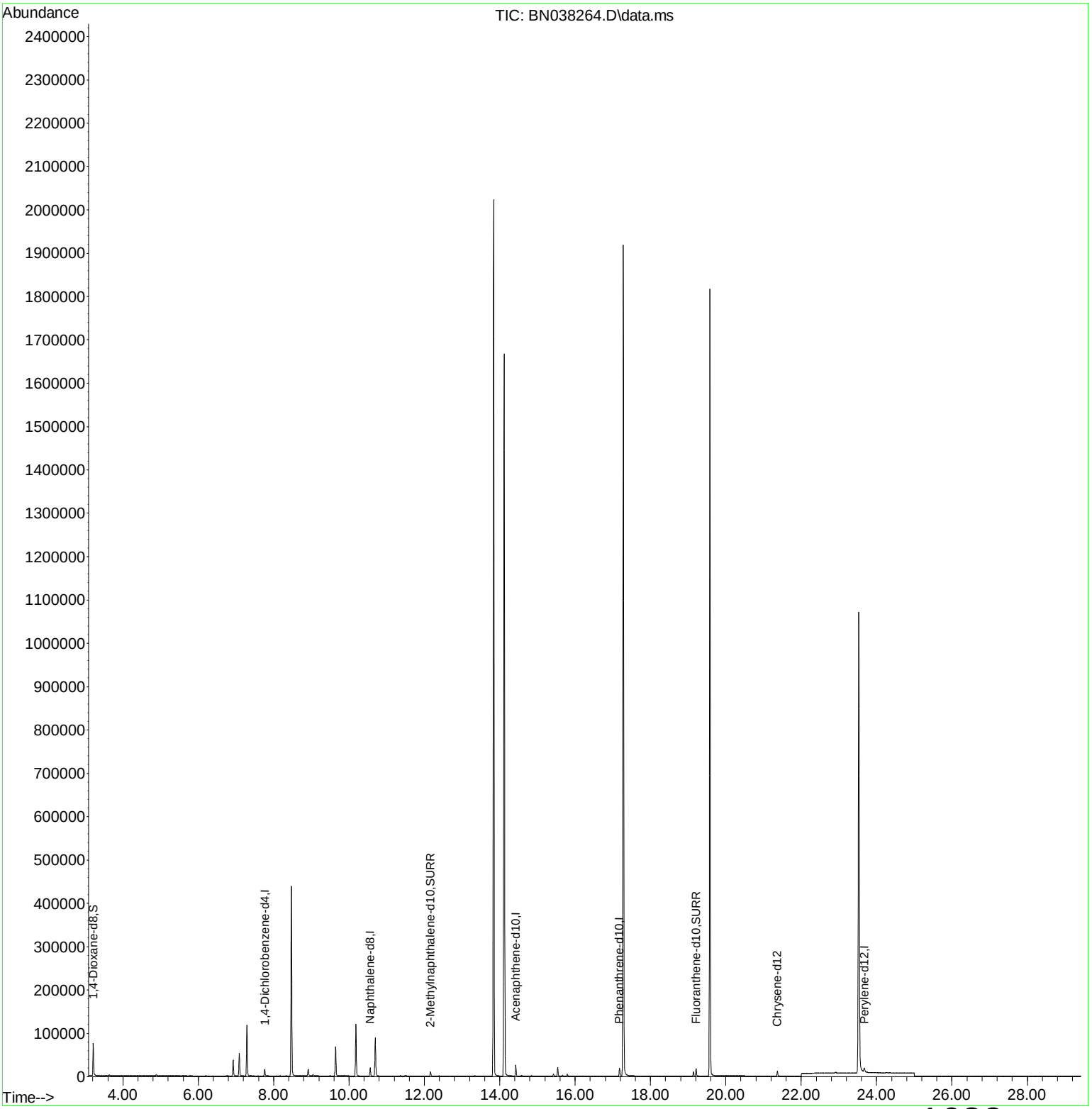
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM



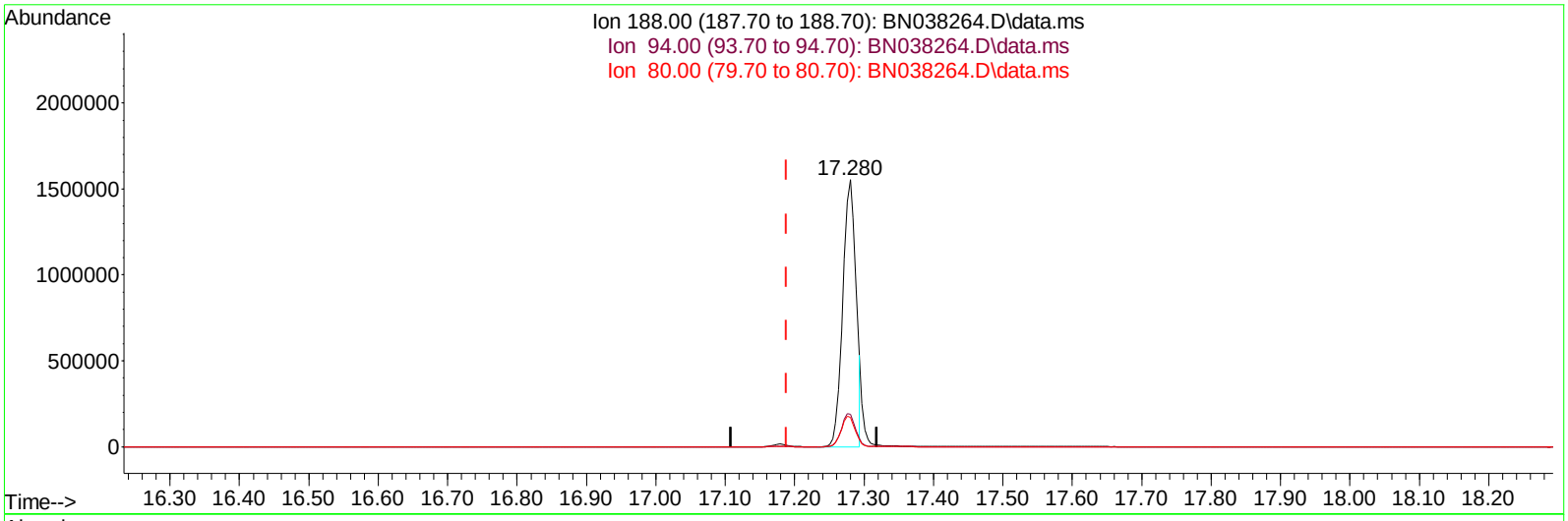
Quantitation Report (Qedit)

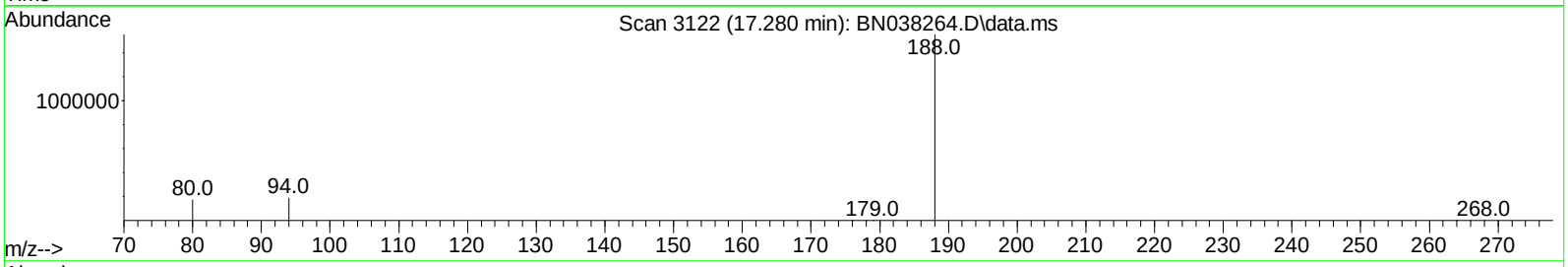
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
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Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

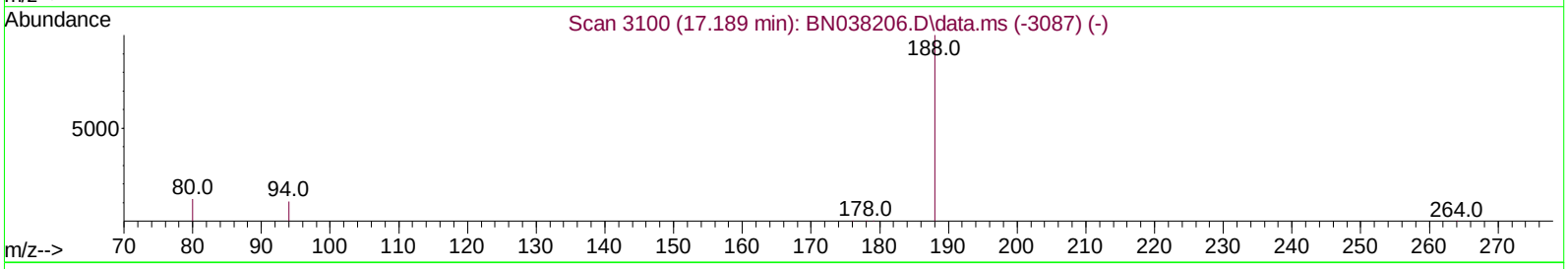
Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM







TIC: BN038264.D\data.ms

(13) Phenanthrene-d10 (I)

17.280min (+ 0.091) 0.40 ng/ul

response 2041681

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.27
80.00	12.20	11.06
0.00	0.00	0.00

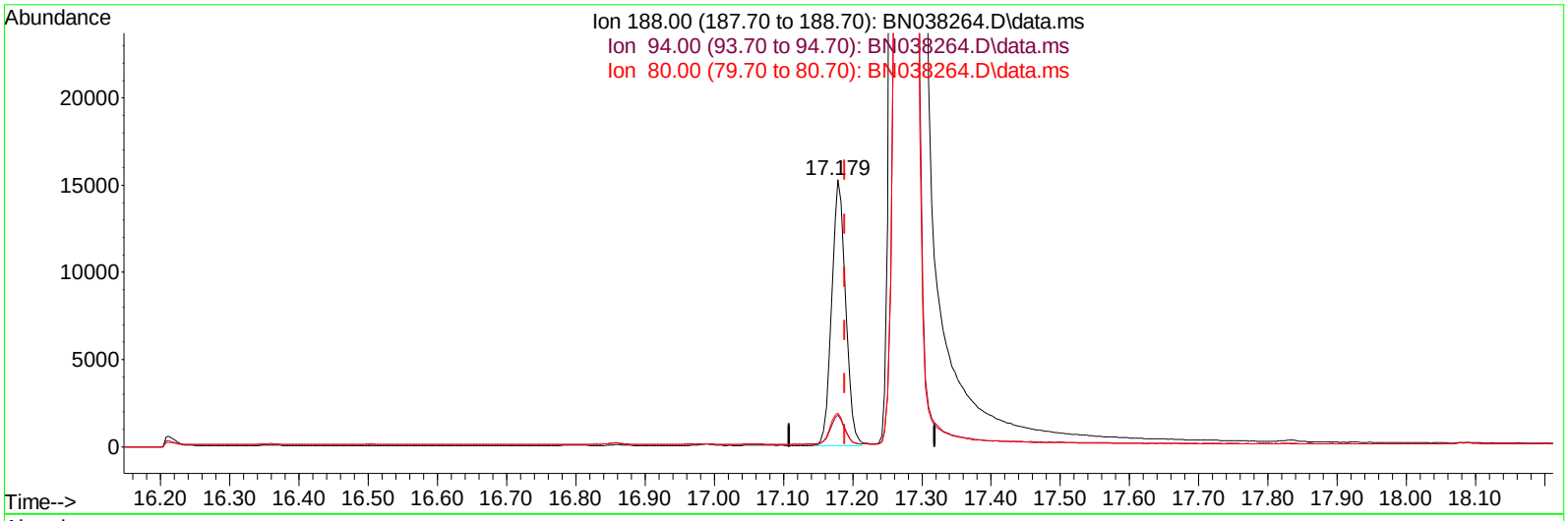
Quantitation Report (Qedit)

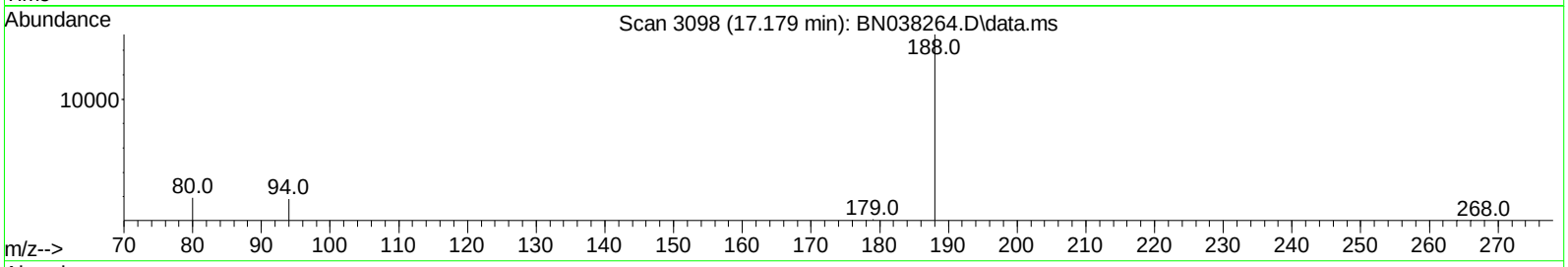
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

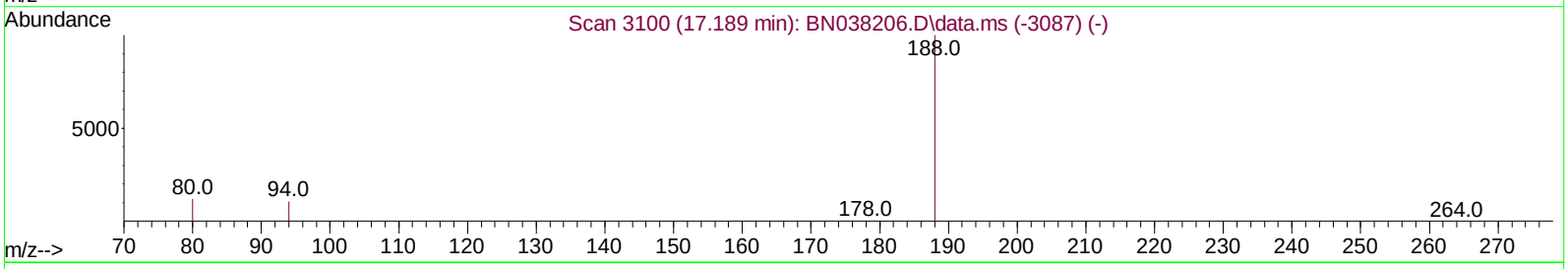
Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM







TIC: BN038264.D\data.ms

(13) Phenanthrene-d10 (I)

17.179min (-0.010) 0.40 ng/ul m

response 21386

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.85
80.00	12.20	12.67
0.00	0.00	0.00

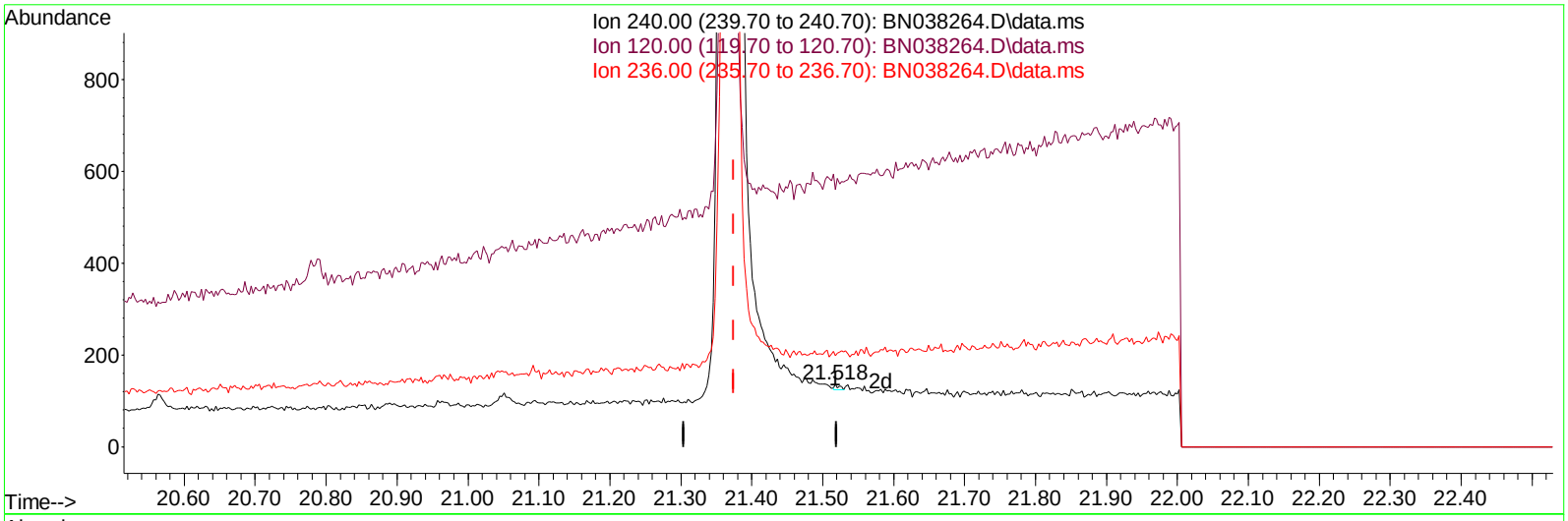
Quantitation Report (Qedit)

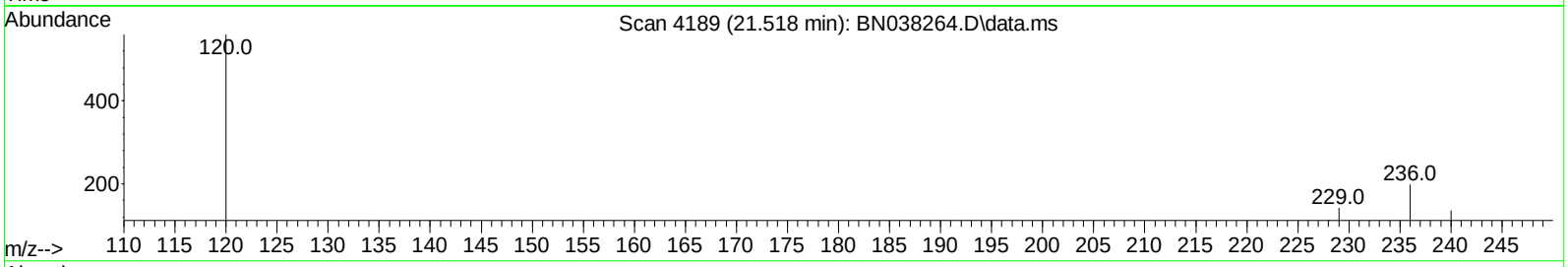
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

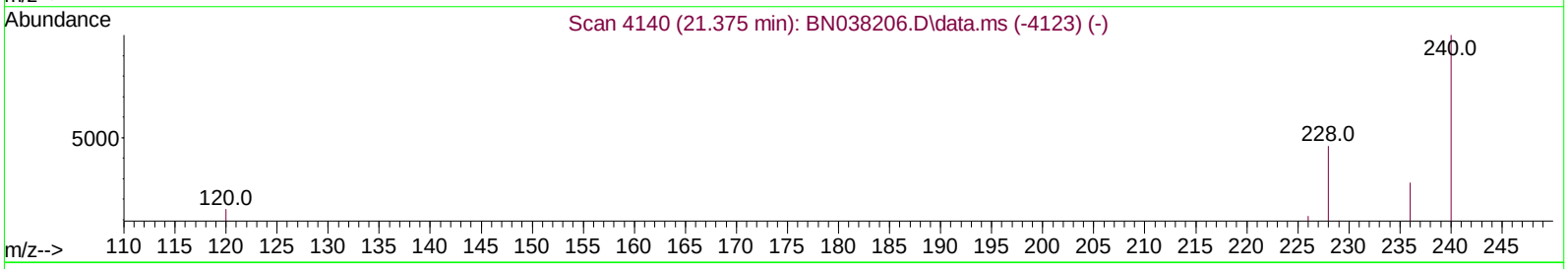
Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM







TIC: BN038264.D\data.ms

(17) Chrysene-d12

21.518min (+ 0.143) 0.40 ng/ul

response 6

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	408.76#
236.00	29.60	144.53#
0.00	0.00	0.00

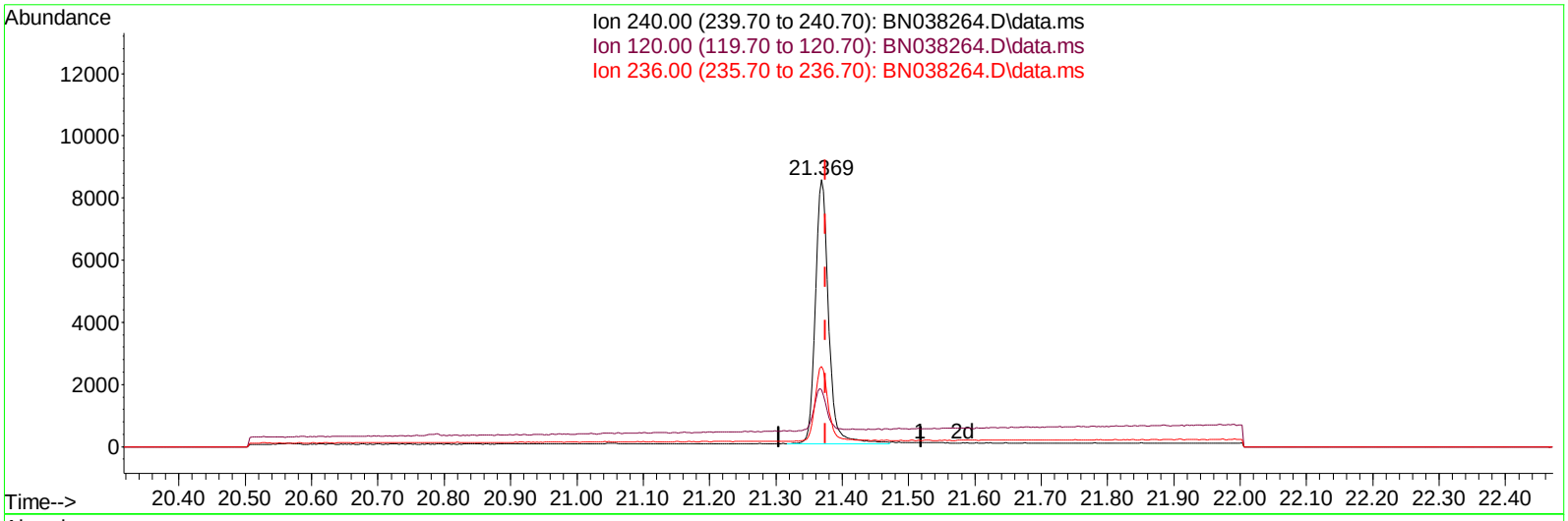
Quantitation Report (Qedit)

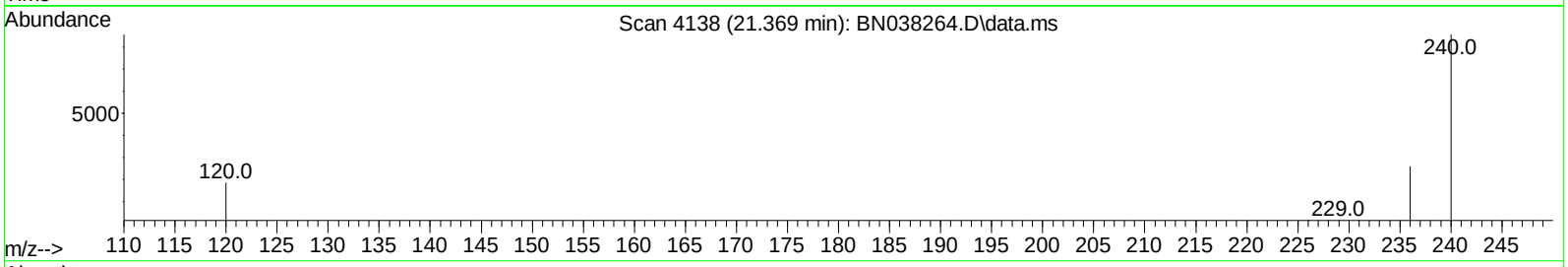
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

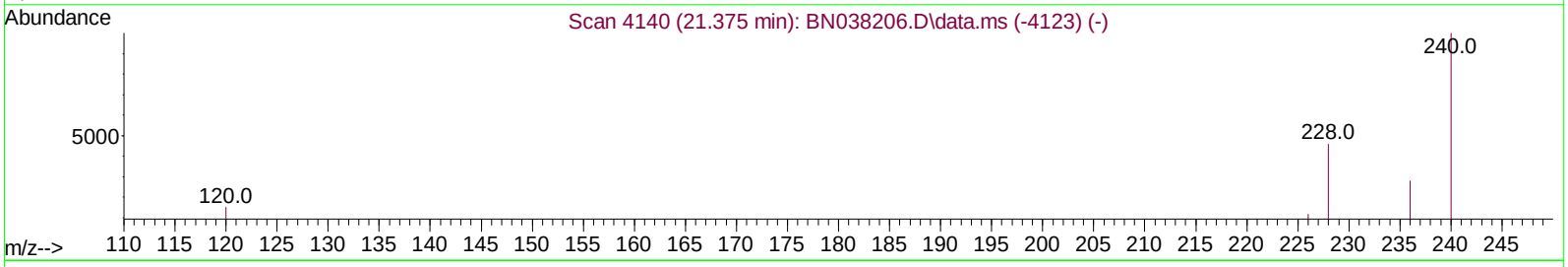
Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM







TIC: BN038264.D\data.ms

(17) Chrysene-d12

21.369min (-0.006) 0.40 ng/ul m

response 11942

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.47
236.00	29.60	30.10
0.00	0.00	0.00

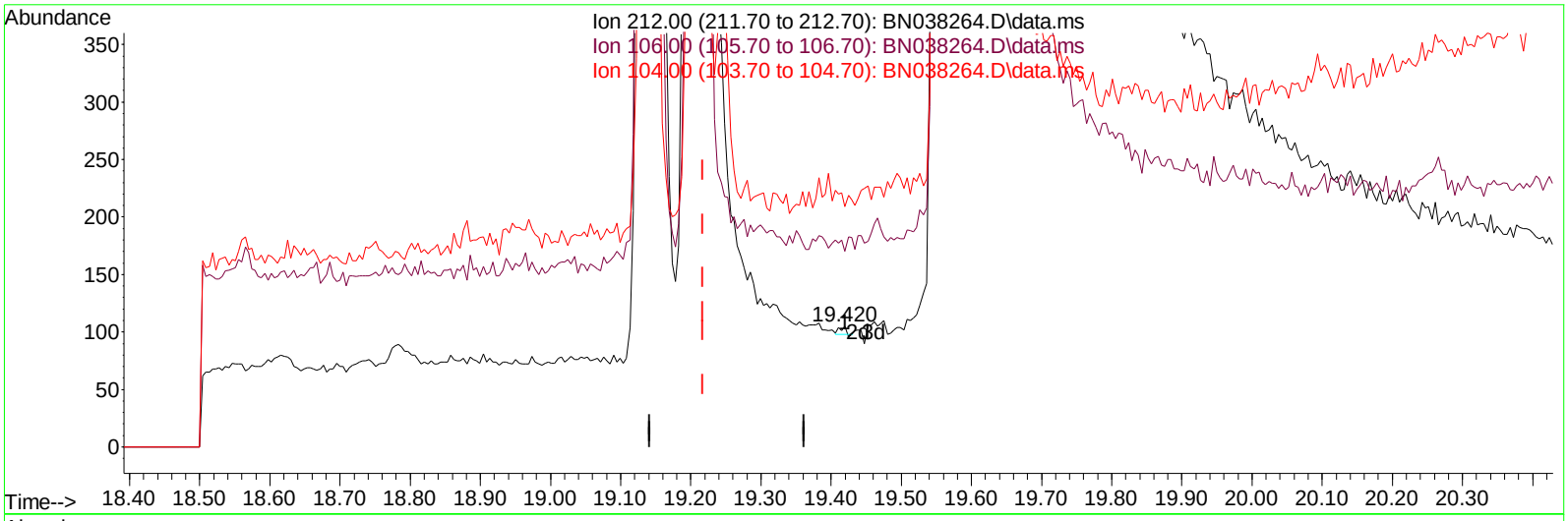
Quantitation Report (Qedit)

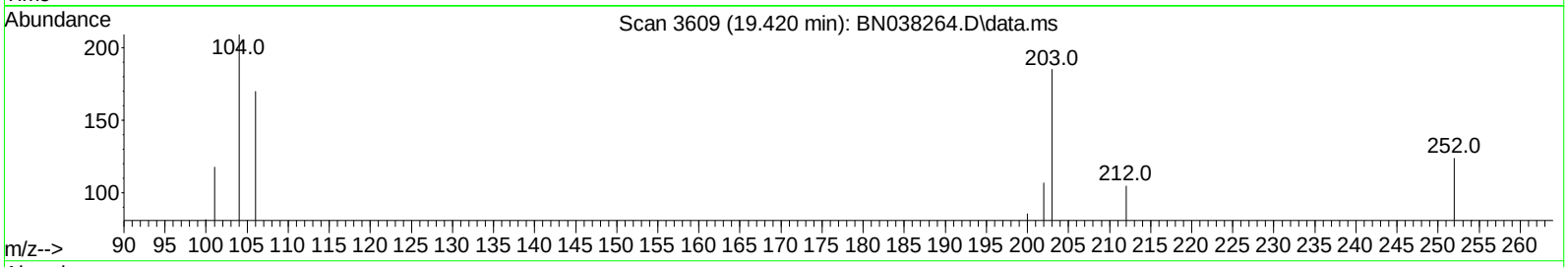
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

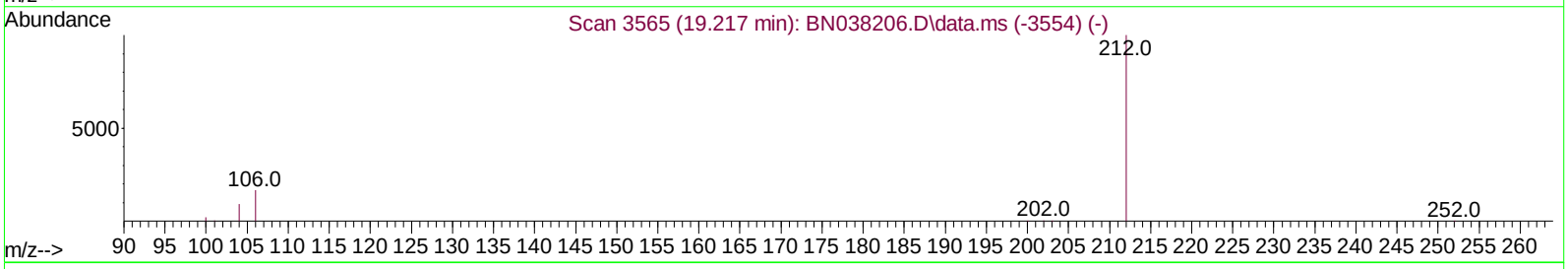
Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM







TIC: BN038264.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.420min (+ 0.203) 0.00 ng/ul

response 4

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	200.00#
104.00	9.20	0.00#
0.00	0.00	0.00

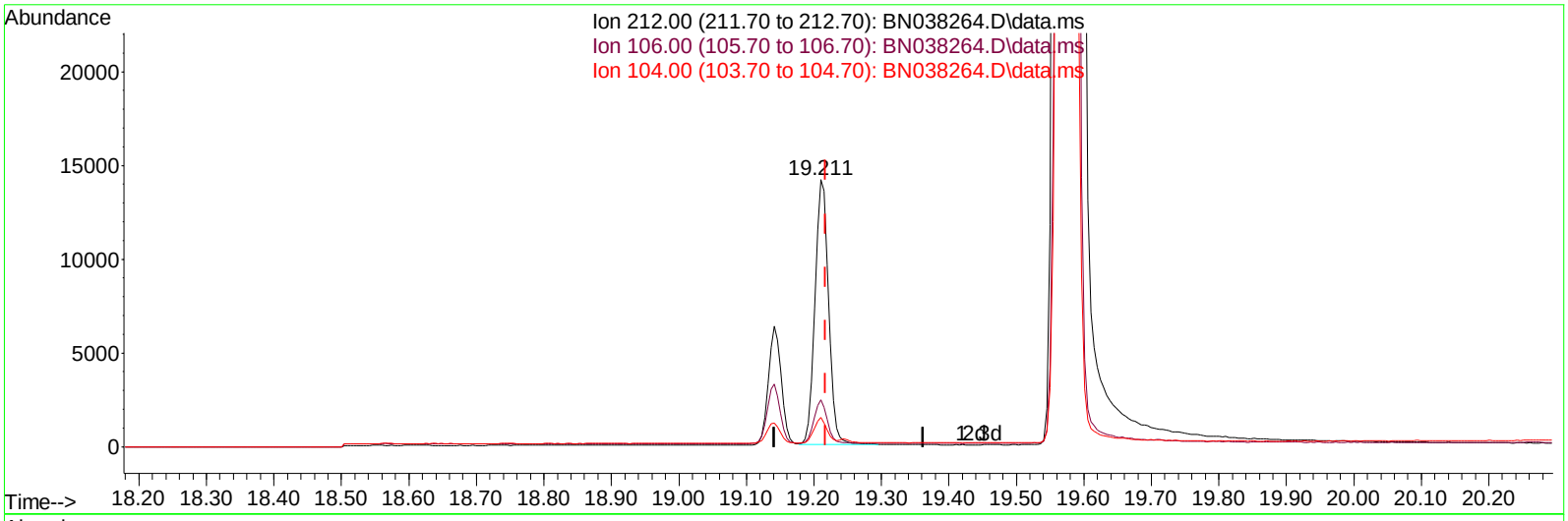
Quantitation Report (Qedit)

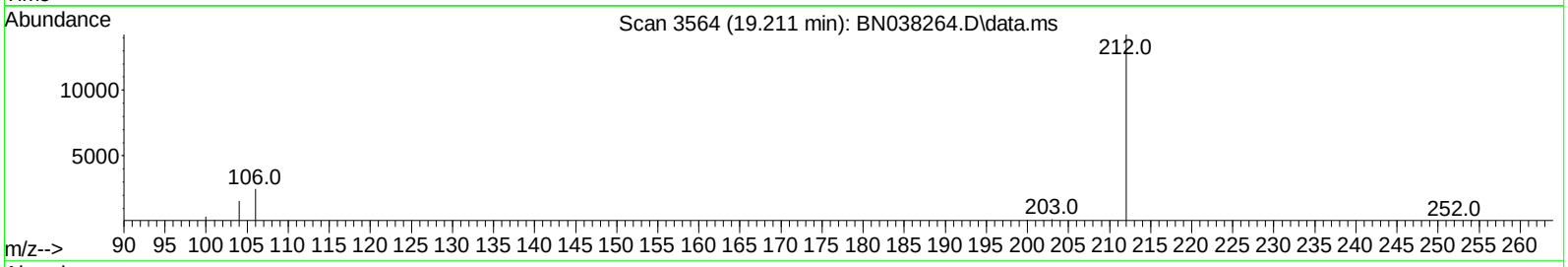
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

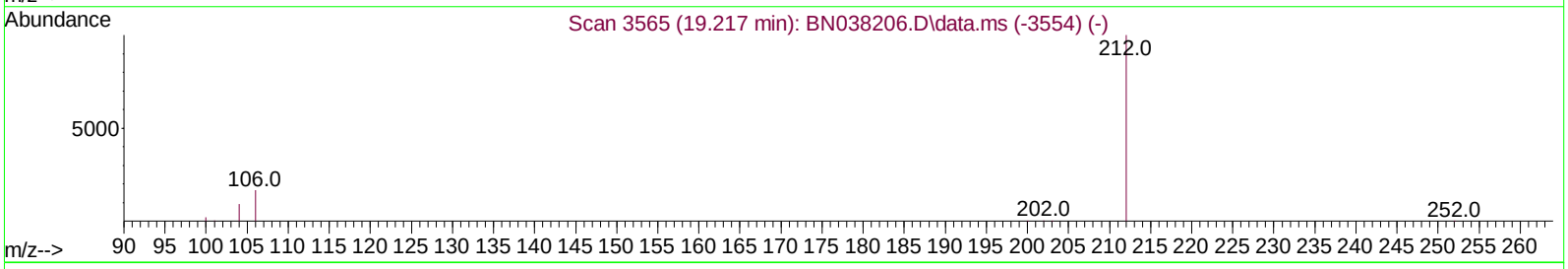
Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM







TIC: BN038264.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.211min (-0.006) 0.42 ng/ul m

response 19704

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.04#
104.00	9.20	0.00#
0.00	0.00	0.00

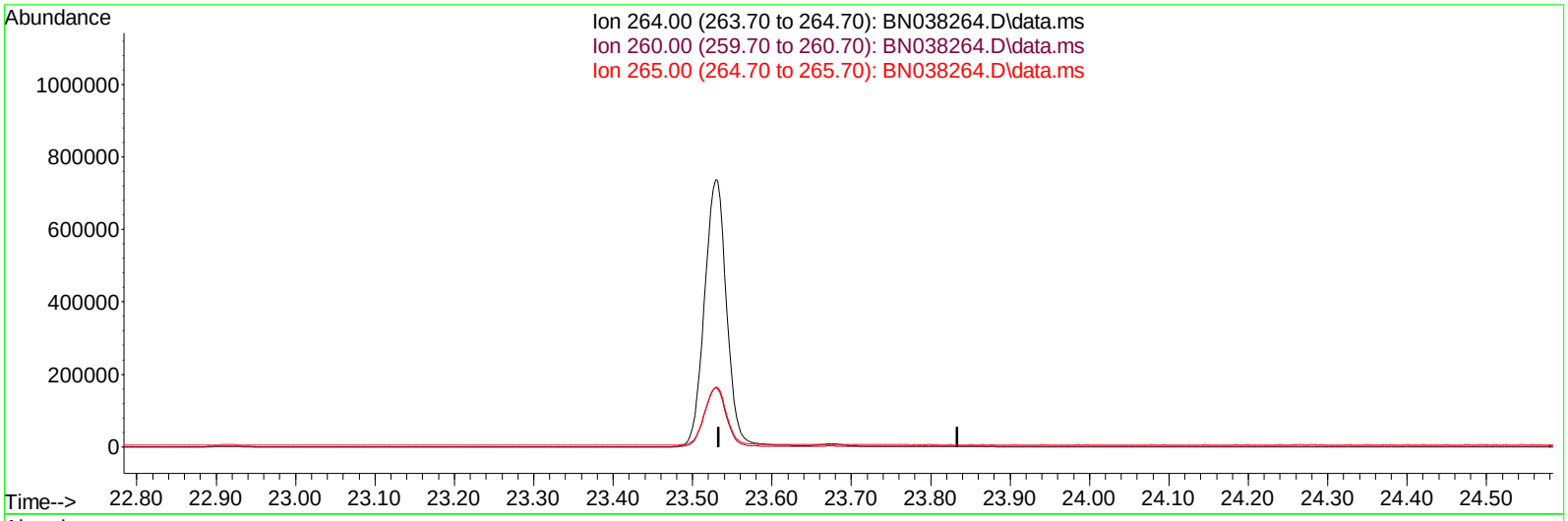
Quantitation Report (Qedit)

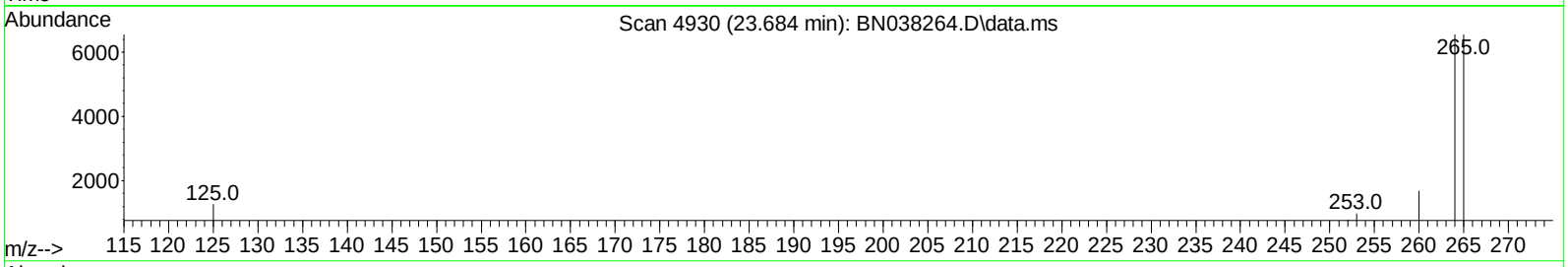
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

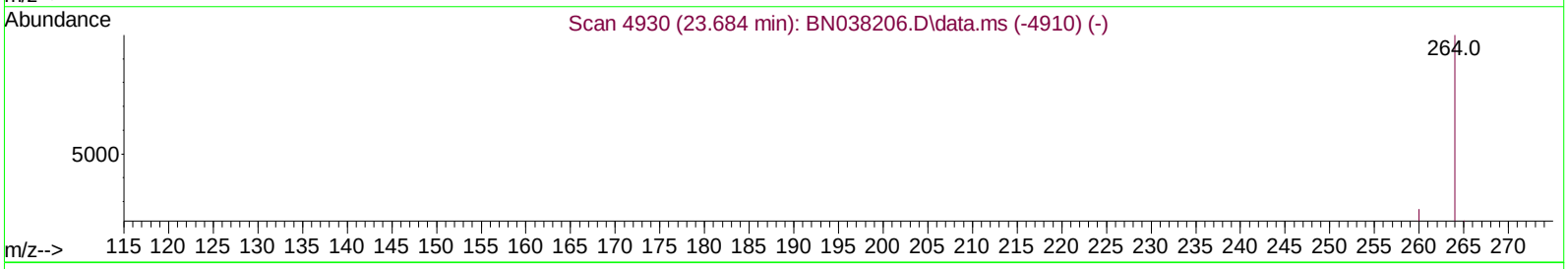
Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM







TIC: BN038264.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

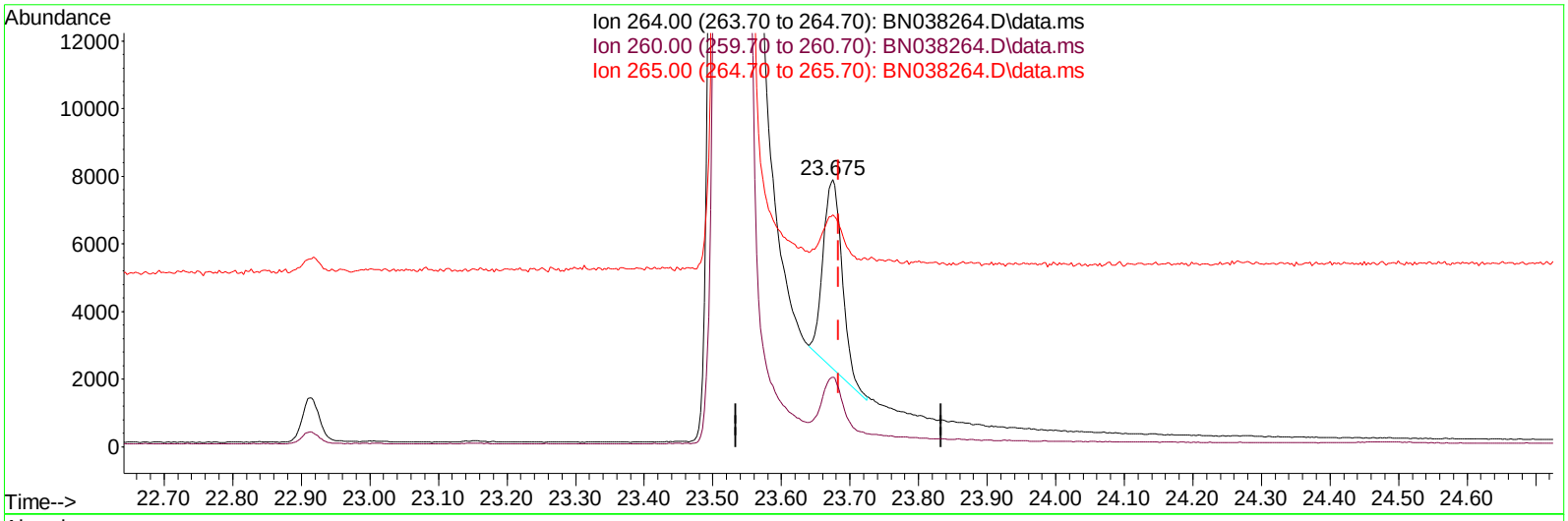
Quantitation Report (Qedit)

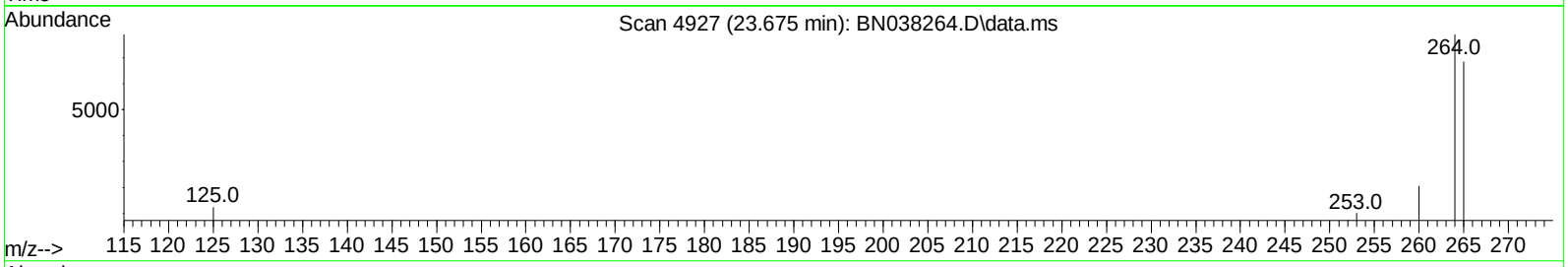
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

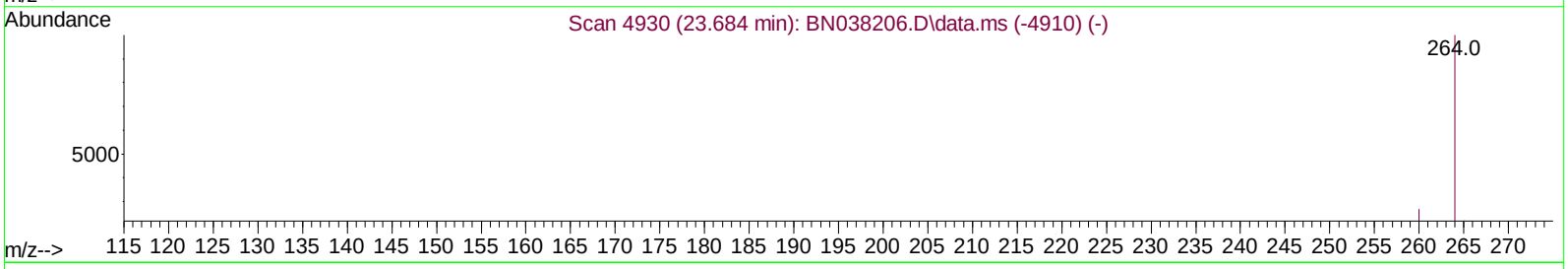
Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM







TIC: BN038264.D\data.ms

(23) Perylene-d12 (I)

23.675min (-0.009) 0.40 ng/ul m

response 10706

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.18
265.00	124.40	86.80#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038264.D
Acq On : 02 Dec 2025 20:40
Operator : RC/JU
Sample : Q3688-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WS-14

Manual Integrations APPROVED
Sohil
12/3/2025 3:29:48 PM

Quant Time: Dec 03 01:24:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7811	0.400	ng/ul	0.00
4) Naphthalene-d8	10.561	136	25704	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.427	164	14283	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	21386m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.369	240	11942m	0.400	ng/ul	0.00
23) Perylene-d12	23.675	264	10706m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	45650	5.570	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	13968	0.381	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	19704m	0.425	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 6A-OR
GC/MS INITIAL CALIBRATION DATA

Lab Name: Alliance Technical Group, LLC
Contract: 68HERH20D0011
Lab Code: ACE
Case No.: Sharkey Lan
MA No.:
SDG No.: Q3688
Analytical Method : SVOA SIM
Level : LOW
Instrument ID: BNA_N
Calibration Date(s): 11/26/2025 11/26/2025
GC Column: ZB-GR
ID: 0.25 (mm)
Calibration Time(s): 15:05 18:07
Length : 30 (m)
Heated Purge: (Y/N)
Purge Volume : (mL)

LAB FILE ID: RRF0.1 =BN038204.D RRF0.2= BN038205.D RRF0.4 =BN038206.D
RRF0.8 =BN038207.D RRF1.6= BN038208.D RRF3.2 =BN038209.D

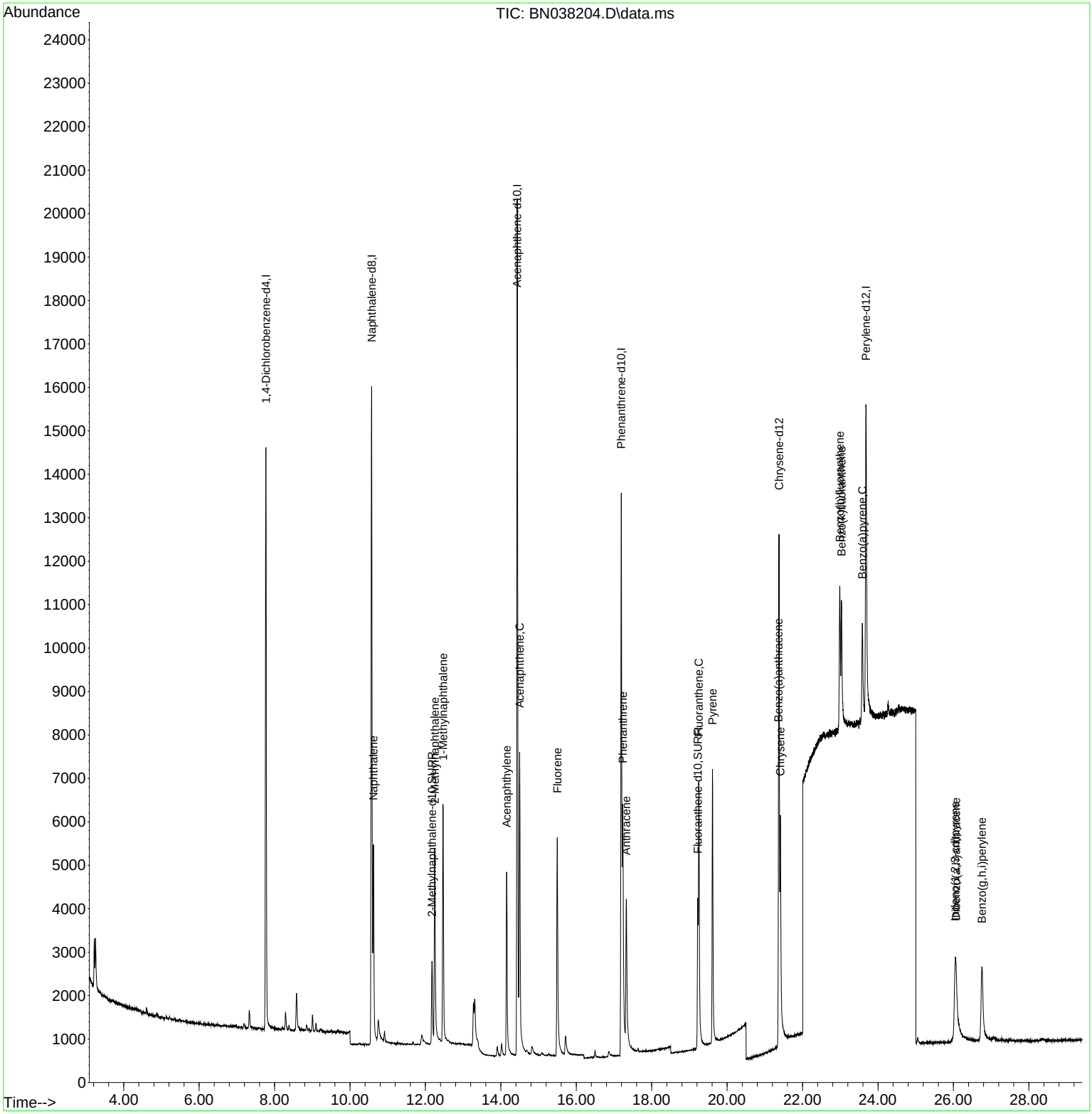
ANALYTE	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	$\overline{RRF}$	% RSD
1,4-Dioxane		0.468	0.460	0.449	0.430	0.453	0.452	3.1
1,4-Dioxane-d8		0.430	0.441	0.428	0.402	0.398	0.420	4.4
Fluoranthene-d10	1.572	1.544	1.619	1.539	1.500		1.555	2.8
2-Methylnaphthalene-d10	0.578	0.574	0.580	0.570	0.551		0.570	2.0

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038204.D
Acq On : 26 Nov 2025 15:05
Operator : RC/JU
Sample : SSTD0.191
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.1225

Quant Time: Nov 28 21:34:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038204.D
Acq On : 26 Nov 2025 15:05
Operator : RC/JU
Sample : SSTD0.191
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD0.1225

Quant Time: Nov 28 21:34:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	7233	0.400	ng/ul	0.00
4) Naphthalene-d8	10.573	136	22507	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.432	164	12414	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.192	188	21030	0.400	ng/ul	0.00
17) Chrysene-d12	21.377	240	12080	0.400	ng/ul	0.00
23) Perylene-d12	23.680	264	11966	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/ul	
6) 2-Methylnaphthalene-d10	12.174	152	3253	0.102	ng/ul	0.00
18) Fluoranthene-d10	19.221	212	4746	0.122	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.623	128	6253	0.102	ng/ul	98
7) 2-Methylnaphthalene	12.245	142	4026	0.099	ng/ul	100
8) 1-Methylnaphthalene	12.465	142	4310	0.100	ng/ul	100
10) Acenaphthylene	14.155	152	5866	0.099	ng/ul	97
11) Acenaphthene	14.497	153	4430	0.102	ng/ul	98
12) Fluorene	15.496	166	4553	0.093	ng/ul	97
15) Phenanthrene	17.234	178	6660	0.098	ng/ul	97
16) Anthracene	17.327	178	5397	0.091	ng/ul	96
19) Fluoranthene	19.249	202	6445	0.120	ng/ul	96
20) Pyrene	19.611	202	6510	0.122	ng/ul	97
21) Benzo(a)anthracene	21.362	228	3955	0.092	ng/ul	96
22) Chrysene	21.412	228	5366	0.114	ng/ul	96
24) Benzo(b)fluoranthene	22.987	252	4576	0.089	ng/ul#	56
25) Benzo(k)fluoranthene	23.031	252	4923	0.096	ng/ul#	57
26) Benzo(a)pyrene	23.584	252	4166	0.097	ng/ul#	42
27) Indeno(1,2,3-cd)pyrene	26.044	276	4545	0.087	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.071	278	2940	0.074	ng/ul#	45
29) Benzo(g,h,i)perylene	26.759	276	4661	0.106	ng/ul#	86

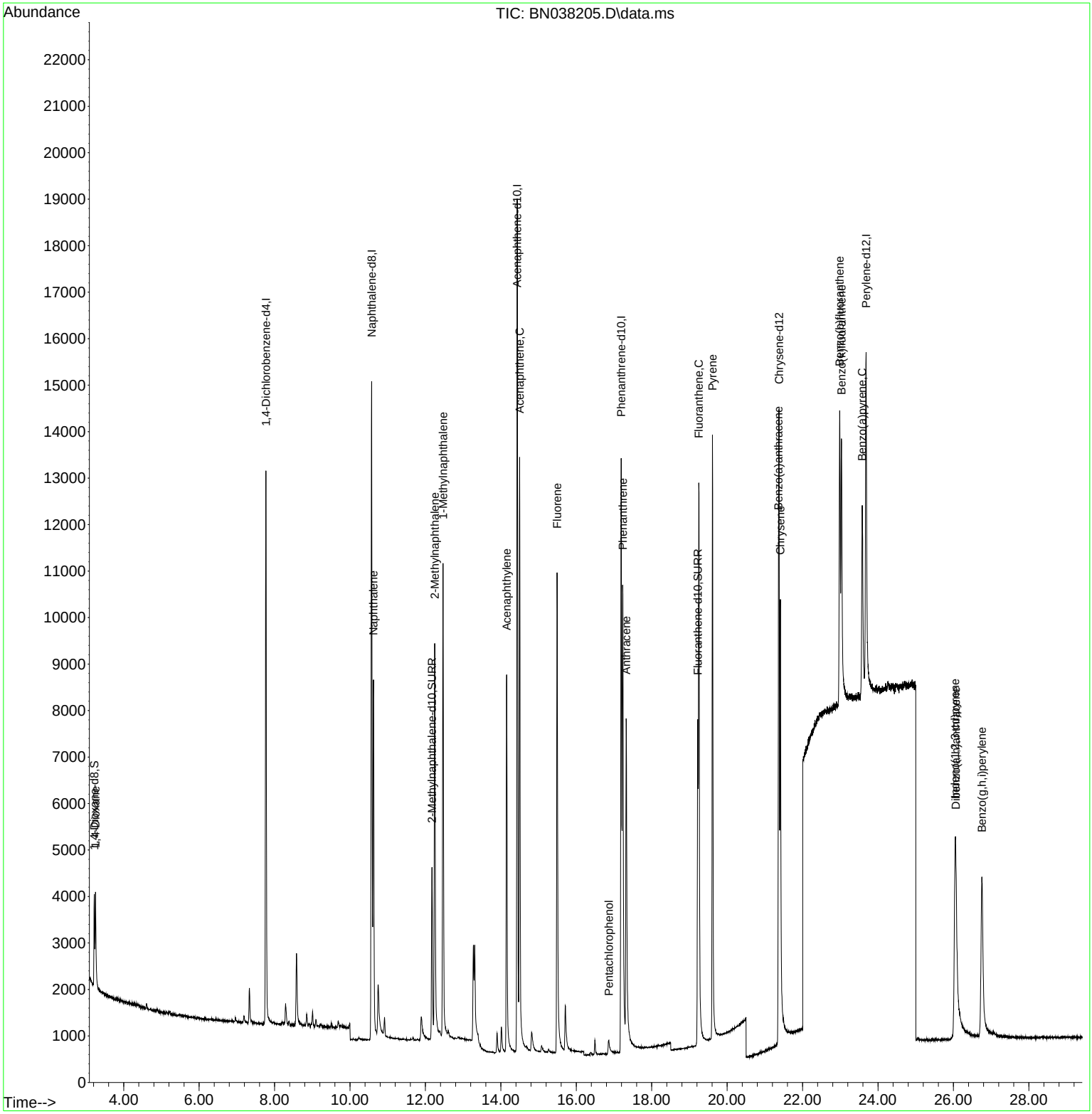
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038205.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTD0.292
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.2226

Quant Time: Nov 28 21:35:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038205.D
Acq On : 26 Nov 2025 15:42
Operator : RC/JU
Sample : SSTD0.292
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD0.2226

Quant Time: Nov 28 21:35:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	6382	0.400	ng/ul	0.00
4) Naphthalene-d8	10.573	136	20241	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.432	164	11255	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.192	188	20227	0.400	ng/ul	0.00
17) Chrysene-d12	21.377	240	12051	0.400	ng/ul	0.00
23) Perylene-d12	23.683	264	11767	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	1371	0.203	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.174	152	5805	0.203	ng/ul	0.00
18) Fluoranthene-d10	19.221	212	9302	0.239	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	1493	0.210	ng/ul	89
5) Naphthalene	10.623	128	11060	0.201	ng/ul	99
7) 2-Methylnaphthalene	12.245	142	7310	0.199	ng/ul	99
8) 1-Methylnaphthalene	12.465	142	7775	0.201	ng/ul	100
10) Acenaphthylene	14.155	152	10555	0.197	ng/ul	99
11) Acenaphthene	14.497	153	7899	0.201	ng/ul	99
12) Fluorene	15.492	166	8439	0.190	ng/ul	100
14) Pentachlorophenol	16.863	266	476	0.100	ng/ul	97
15) Phenanthrene	17.234	178	12545	0.192	ng/ul	99
16) Anthracene	17.323	178	10534	0.184	ng/ul	99
19) Fluoranthene	19.249	202	12673	0.236	ng/ul	97
20) Pyrene	19.611	202	12803	0.241	ng/ul	98
21) Benzo(a)anthracene	21.362	228	7890	0.183	ng/ul	98
22) Chrysene	21.412	228	10239	0.218	ng/ul	98
24) Benzo(b)fluoranthene	22.984	252	9124	0.181	ng/ul	83
25) Benzo(k)fluoranthene	23.031	252	9556	0.189	ng/ul#	82
26) Benzo(a)pyrene	23.581	252	8356	0.198	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	26.044	276	9274	0.181	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.064	278	6271	0.161	ng/ul#	80
29) Benzo(g,h,i)perylene	26.755	276	9146	0.211	ng/ul	94

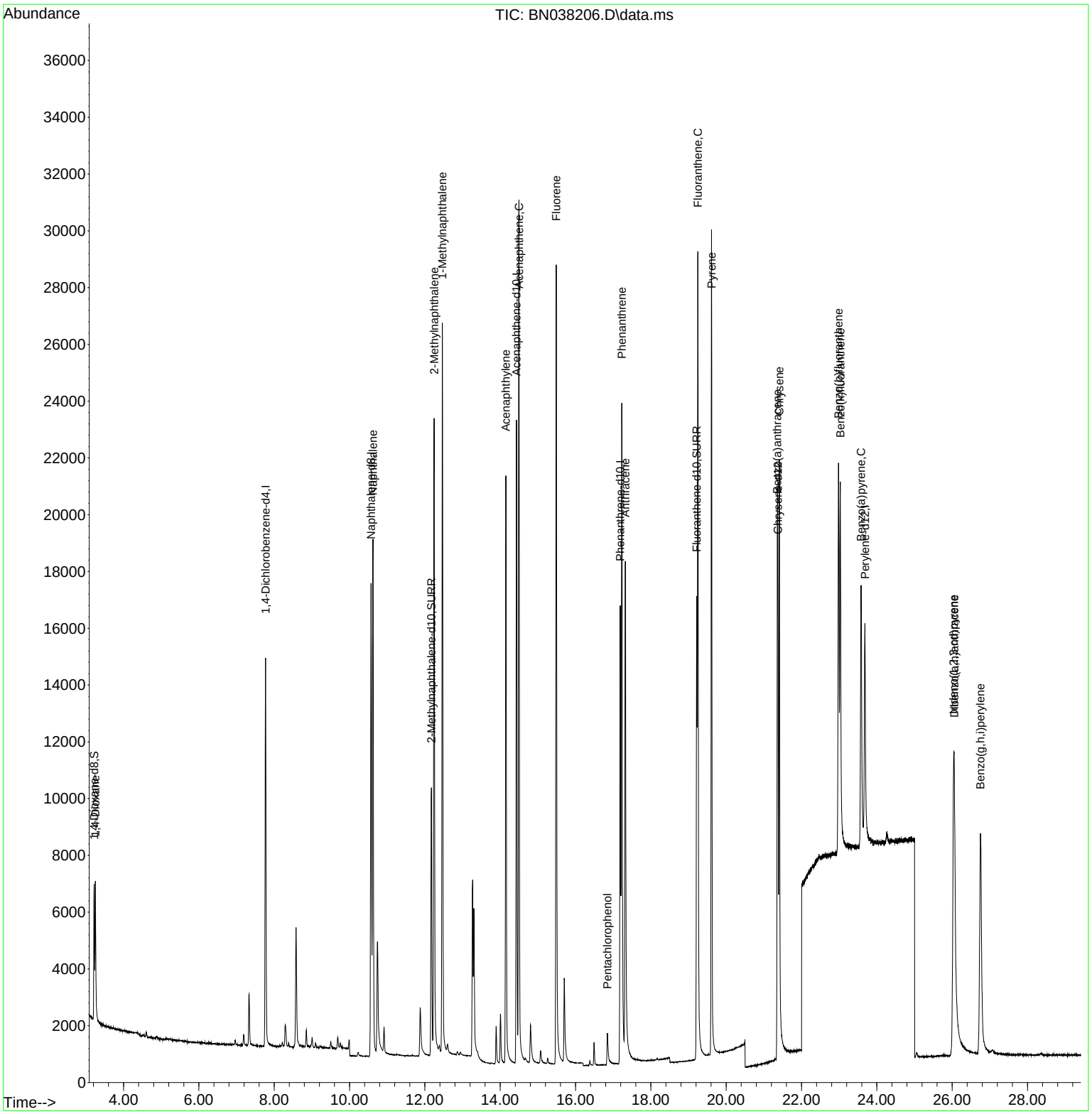
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038206.D
Acq On : 26 Nov 2025 16:18
Operator : RC/JU
Sample : SSTD0.493
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.4227

Quant Time: Nov 28 21:35:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038206.D
Acq On : 26 Nov 2025 16:18
Operator : RC/JU
Sample : SSTD0.493
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD0.4227

Quant Time: Nov 28 21:35:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.770	152	7326	0.400	ng/ul	0.00
4) Naphthalene-d8	10.573	136	23619	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.433	164	13264	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.189	188	22852	0.400	ng/ul	0.00
17) Chrysene-d12	21.375	240	12523	0.400	ng/ul	0.00
23) Perylene-d12	23.684	264	12043	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	3228	0.417	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.173	152	13689	0.410	ng/ul	0.00
18) Fluoranthene-d10	19.217	212	20273	0.502	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	3368	0.412	ng/ul	100
5) Naphthalene	10.623	128	26104	0.406	ng/ul	100
7) 2-Methylnaphthalene	12.245	142	17482	0.408	ng/ul	100
8) 1-Methylnaphthalene	12.465	142	18562	0.411	ng/ul	100
10) Acenaphthylene	14.151	152	25302	0.402	ng/ul	100
11) Acenaphthene	14.498	153	18852	0.408	ng/ul	100
12) Fluorene	15.488	166	20119	0.385	ng/ul	100
14) Pentachlorophenol	16.847	266	1276	0.238	ng/ul	100
15) Phenanthrene	17.231	178	28972	0.393	ng/ul	100
16) Anthracene	17.324	178	24434	0.378	ng/ul	100
19) Fluoranthene	19.250	202	27770	0.497	ng/ul	100
20) Pyrene	19.612	202	27507	0.498	ng/ul	100
21) Benzo(a)anthracene	21.357	228	16978	0.379	ng/ul	100
22) Chrysene	21.410	228	21183	0.434	ng/ul	100
24) Benzo(b)fluoranthene	22.982	252	19336	0.375	ng/ul	100
25) Benzo(k)fluoranthene	23.029	252	20102	0.389	ng/ul	100
26) Benzo(a)pyrene	23.581	252	17392	0.402	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.038	276	21139	0.404	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.055	278	14824	0.373	ng/ul	100
29) Benzo(g,h,i)perylene	26.753	276	19437	0.439	ng/ul	100

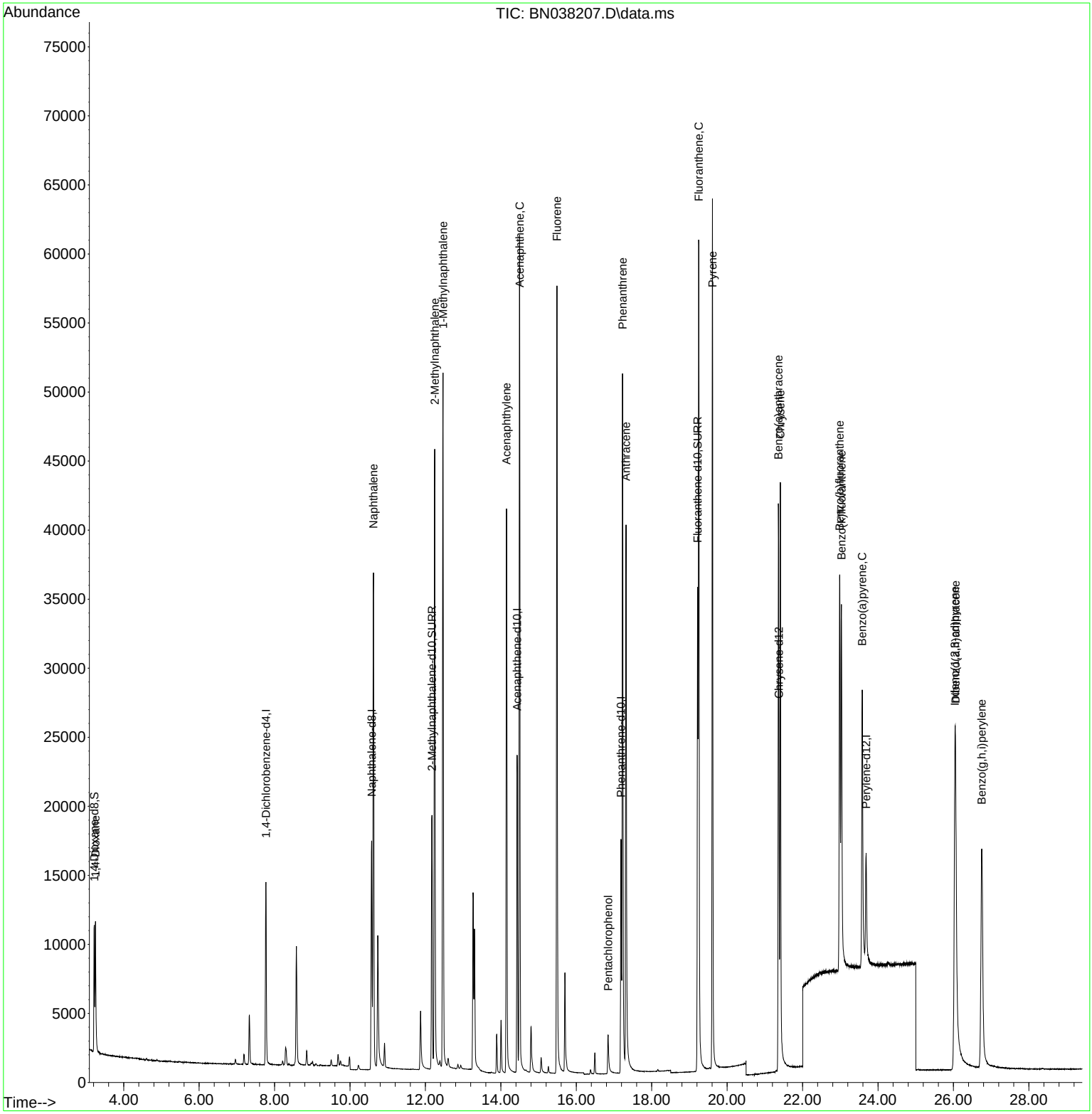
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038207.D
Acq On : 26 Nov 2025 16:54
Operator : RC/JU
Sample : SSTD0.894
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.8228

Quant Time: Nov 28 21:35:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038207.D
Acq On : 26 Nov 2025 16:54
Operator : RC/JU
Sample : SSTD0.894
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD0.8228

Quant Time: Nov 28 21:35:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	7153	0.400	ng/ul	0.00
4) Naphthalene-d8	10.573	136	22968	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.432	164	12954	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.188	188	22844	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	13303	0.400	ng/ul	0.00
23) Perylene-d12	23.686	264	12157	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	6120	0.809	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.173	152	26199	0.808	ng/ul	0.00
18) Fluoranthene-d10	19.216	212	40948	0.954	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	6425	0.805	ng/ul	96
5) Naphthalene	10.623	128	49729	0.796	ng/ul	100
7) 2-Methylnaphthalene	12.245	142	33708	0.809	ng/ul	100
8) 1-Methylnaphthalene	12.465	142	35769	0.814	ng/ul	100
10) Acenaphthylene	14.150	152	48730	0.792	ng/ul	100
11) Acenaphthene	14.497	153	36011	0.797	ng/ul	100
12) Fluorene	15.487	166	39470	0.774	ng/ul	99
14) Pentachlorophenol	16.846	266	2867	0.536	ng/ul	98
15) Phenanthrene	17.226	178	57715	0.783	ng/ul	100
16) Anthracene	17.319	178	49919	0.772	ng/ul	99
19) Fluoranthene	19.249	202	56852	0.959	ng/ul	99
20) Pyrene	19.611	202	55513	0.947	ng/ul	100
21) Benzo(a)anthracene	21.359	228	35974	0.756	ng/ul	100
22) Chrysene	21.412	228	42926	0.828	ng/ul	99
24) Benzo(b)fluoranthene	22.984	252	38729	0.744	ng/ul	91
25) Benzo(k)fluoranthene	23.028	252	40812	0.783	ng/ul#	91
26) Benzo(a)pyrene	23.581	252	34561	0.792	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.037	276	43088	0.816	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.058	278	31278	0.779	ng/ul	93
29) Benzo(g,h,i)perylene	26.752	276	39177	0.877	ng/ul	98

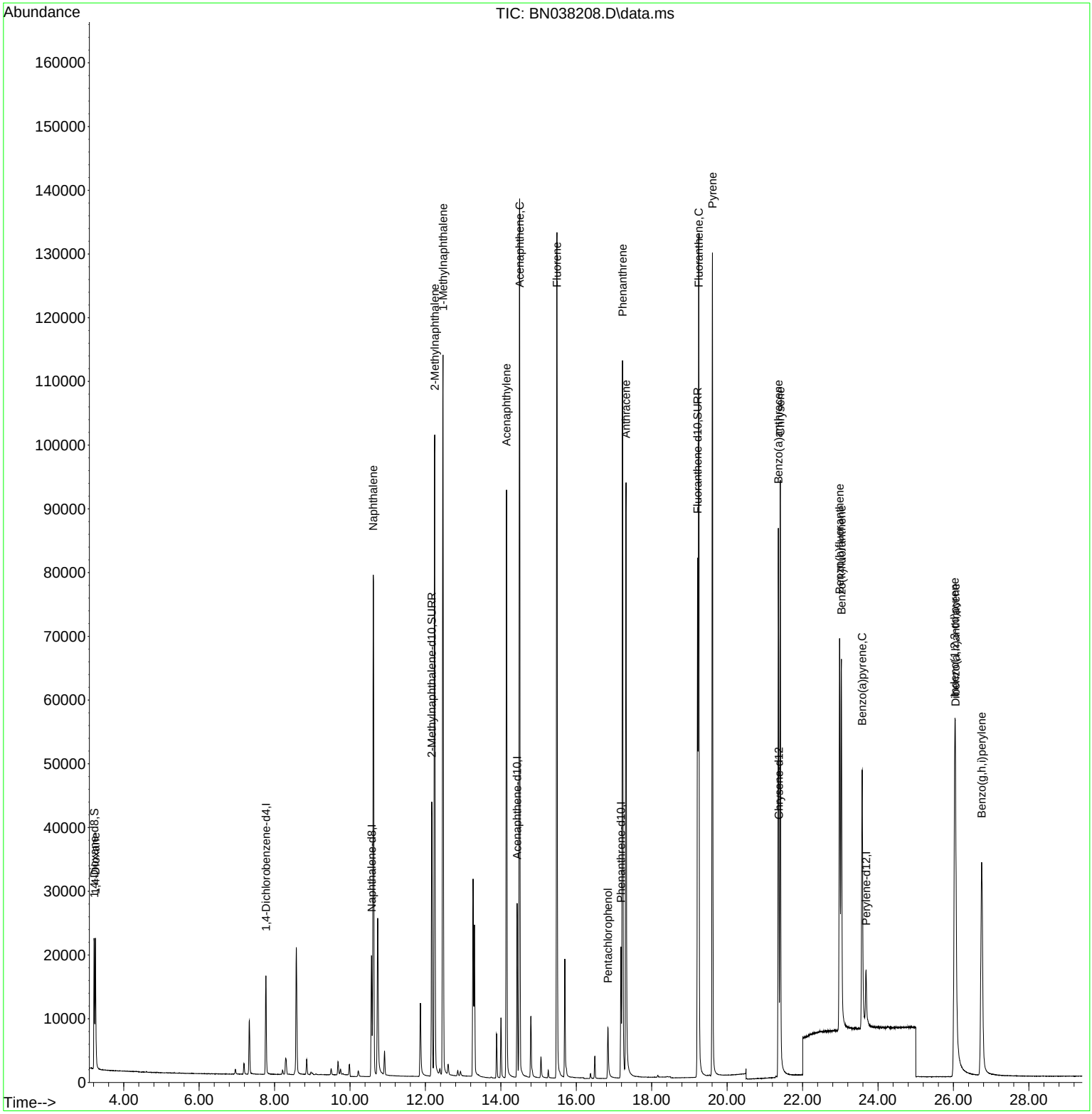
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038208.D
Acq On : 26 Nov 2025 17:31
Operator : RC/JU
Sample : SSTD1.695
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD1.6229

Quant Time: Nov 28 21:35:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038208.D
Acq On : 26 Nov 2025 17:31
Operator : RC/JU
Sample : SSTD1.695
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD1.6229

Quant Time: Nov 28 21:35:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	8169	0.400	ng/ul	0.00
4) Naphthalene-d8	10.573	136	26219	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.432	164	14768	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.184	188	25481	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	14477	0.400	ng/ul	0.00
23) Perylene-d12	23.683	264	12823	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	13140	1.522	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.168	152	57755	1.560	ng/ul	0.00
18) Fluoranthene-d10	19.216	212	86835	1.860	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	14062	1.543	ng/ul	91
5) Naphthalene	10.617	128	108995	1.529	ng/ul	100
7) 2-Methylnaphthalene	12.245	142	75120	1.579	ng/ul	99
8) 1-Methylnaphthalene	12.465	142	78812	1.570	ng/ul	100
10) Acenaphthylene	14.150	152	108961	1.554	ng/ul	99
11) Acenaphthene	14.497	153	79052	1.535	ng/ul	98
12) Fluorene	15.487	166	87464	1.504	ng/ul	100
14) Pentachlorophenol	16.838	266	7124	1.193	ng/ul	98
15) Phenanthrene	17.226	178	124946	1.519	ng/ul	99
16) Anthracene	17.319	178	111076	1.539	ng/ul	99
19) Fluoranthene	19.249	202	121655	1.885	ng/ul	98
20) Pyrene	19.611	202	117047	1.834	ng/ul	99
21) Benzo(a)anthracene	21.356	228	78603	1.519	ng/ul	100
22) Chrysene	21.409	228	87643	1.554	ng/ul	99
24) Benzo(b)fluoranthene	22.981	252	79640	1.451	ng/ul	86
25) Benzo(k)fluoranthene	23.028	252	83747	1.523	ng/ul#	86
26) Benzo(a)pyrene	23.581	252	71397	1.551	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	26.034	276	92281	1.656	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.054	278	68785	1.624	ng/ul#	90
29) Benzo(g,h,i)perylene	26.748	276	80955	1.717	ng/ul	96

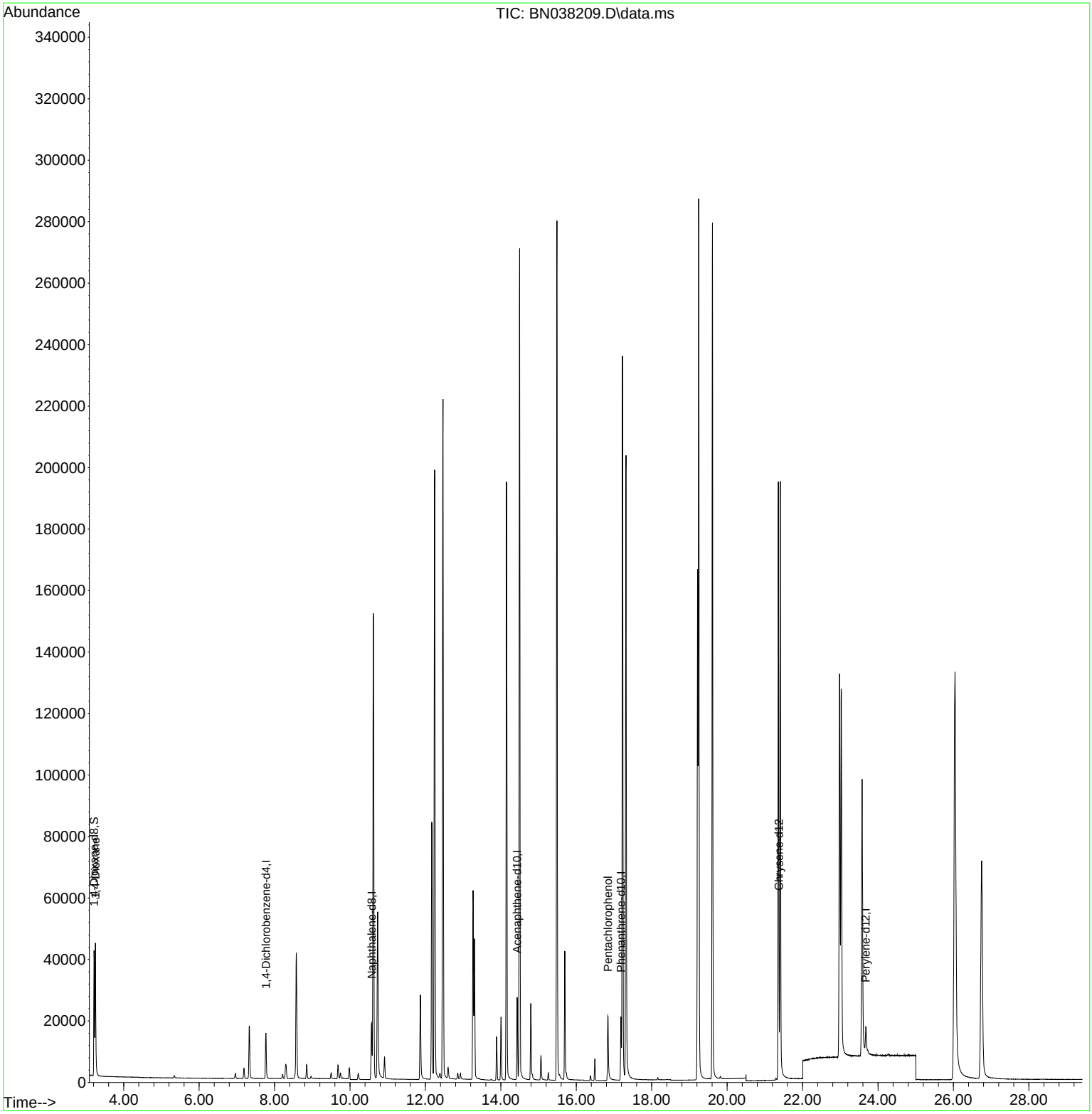
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038209.D
Acq On : 26 Nov 2025 18:07
Operator : RC/JU
Sample : SSTD3.296
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD3.2230

Quant Time: Nov 28 21:36:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038209.D
Acq On : 26 Nov 2025 18:07
Operator : RC/JU
Sample : SSTD3.296
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD3.2230

Quant Time: Nov 28 21:36:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:34:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	7804	0.400	ng/ul	0.00
4) Naphthalene-d8	10.573	136	25246	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.432	164	14374	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.184	188	24669	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	14639	0.400	ng/ul	0.00
23) Perylene-d12	23.677	264	12532	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	24869	3.015	ng/ul	0.00
6) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng/ul	
18) Fluoranthene-d10	0.000	212	0d	0.000	ng/ul	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	28311	3.252	ng/ul	89
14) Pentachlorophenol	16.838	266	16804	2.907	ng/ul	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA SIM Level:

Instrument ID: BNA_N Date Analyzed: 11/26/2025 Time: 18:43

Lab File ID: BN038210.D Init. Calib Date(s): 11/26/2025 11/26/2025

EPA Sample No.: SICV231 Init. Calib Time(s): 15:05 18:07

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.473	0.01	4.5	± 40.0
1,4-Dioxane-d8	0.420	0.432	0.01	3.0	± 40.0
Fluoranthene-d10	1.555	1.608	0.40	3.4	± 30.0
2-Methylnaphthalene-d10	0.570	0.624	0.30	9.4	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA SIM Level:

Instrument ID: BNA_N Date Analyzed: 12/02/2025 Time: 12:11

Lab File ID: BN038250.D Init. Calib Date(s): 11/26/2025 11/26/2025

EPA Sample No.: SSTD0.4275 Init. Calib Time(s): 15:05 18:07

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.422	0.01	-6.7	± 40.0
1,4-Dioxane-d8	0.420	0.402	0.01	-4.1	± 40.0
Fluoranthene-d10	1.555	1.385	0.40	-10.9	± 30.0
2-Methylnaphthalene-d10	0.570	0.566	0.30	-0.9	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA SIM Level:

Instrument ID: BNA_N Date Analyzed: 12/02/2025 Time: 22:29

Lab File ID: BN038266.D Init. Calib Date(s): 11/26/2025 11/26/2025

EPA Sample No.: SSTD0.4276 Init. Calib Time(s): 15:05 18:07

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.447	0.01	-1.1	± 50.0
1,4-Dioxane-d8	0.420	0.415	0.01	-1.1	± 50.0
Fluoranthene-d10	1.555	1.439	0.40	-7.4	± 50.0
2-Methylnaphthalene-d10	0.570	0.584	0.30	2.5	± 50.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA SIM Level:

Instrument ID: BNA_N Date Analyzed: 12/05/2025 Time: 12:05

Lab File ID: BN038270.D Init. Calib Date(s): 11/26/2025 11/26/2025

EPA Sample No.: SSTD0.4277 Init. Calib Time(s): 15:05 18:07

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.436	0.01	-3.5	± 40.0
1,4-Dioxane-d8	0.420	0.418	0.01	-0.3	± 40.0
Fluoranthene-d10	1.555	1.546	0.40	-0.6	± 30.0
2-Methylnaphthalene-d10	0.570	0.583	0.30	2.2	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method: SVOA SIM Level:

Instrument ID: BNA_N Date Analyzed: 12/05/2025 Time: 21:47

Lab File ID: BN038285.D Init. Calib Date(s): 11/26/2025 11/26/2025

EPA Sample No.: SSTD0.4278 Init. Calib Time(s): 15:05 18:07

GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)

Heated Purge: (Y/N) Purge Volume: (mL)

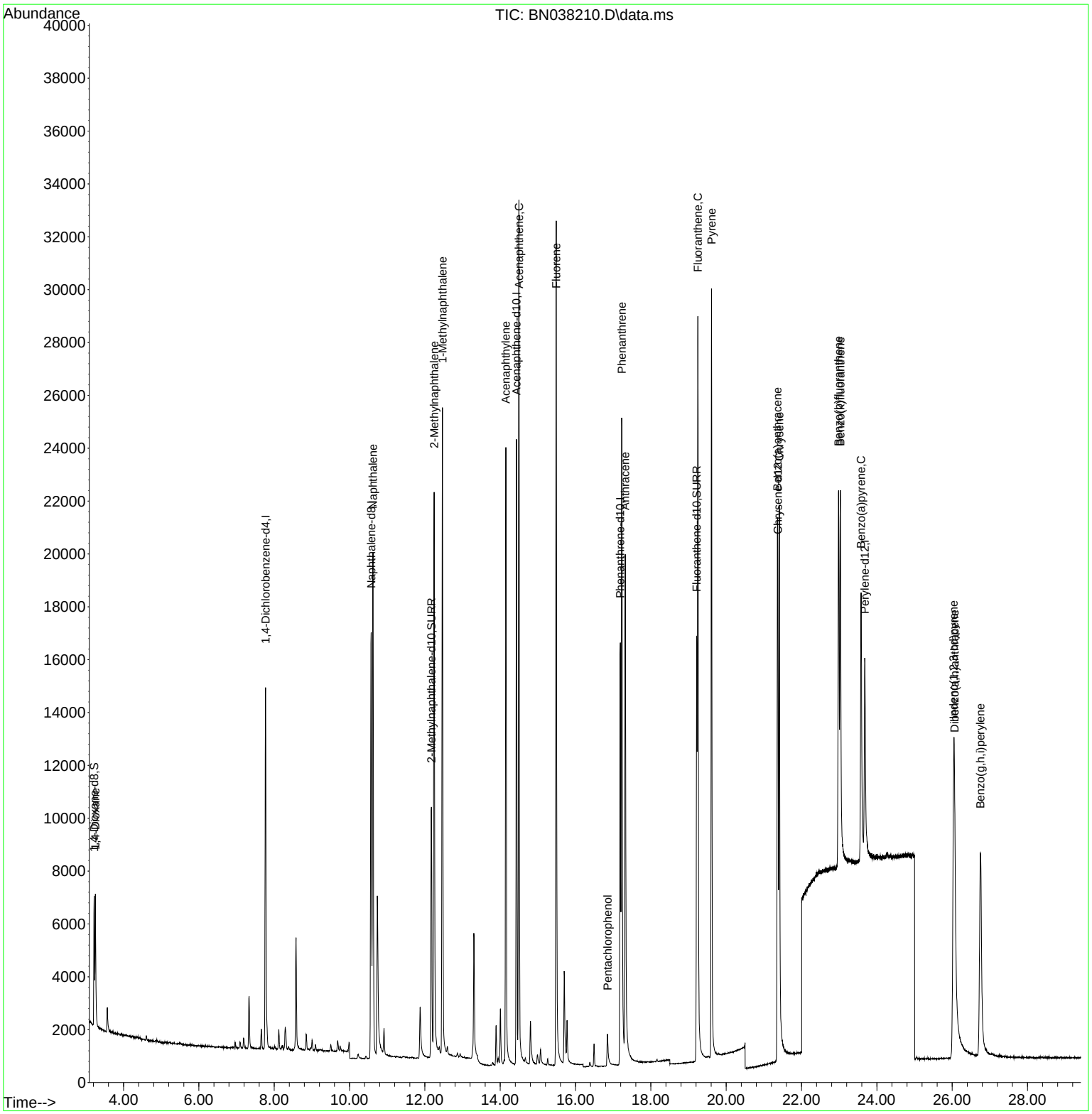
ANALYTE	$\overline{RRF}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.445	0.01	-1.5	± 50.0
1,4-Dioxane-d8	0.420	0.419	0.01	-0.1	± 50.0
Fluoranthene-d10	1.555	1.272	0.40	-18.2	± 50.0
2-Methylnaphthalene-d10	0.570	0.562	0.30	-1.6	± 50.0

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038210.D
Acq On : 26 Nov 2025 18:43
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SICV231

Quant Time: Dec 01 16:36:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038210.D
Acq On : 26 Nov 2025 18:43
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SICV231

Quant Time: Dec 01 16:36:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	7219	0.400	ng/ul	0.00
4) Naphthalene-d8	10.573	136	22941	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.432	164	13279	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.188	188	22299	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	12538	0.400	ng/ul	0.00
23) Perylene-d12	23.680	264	11844	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	3121	0.412	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.173	152	14319	0.438	ng/ul	0.00
18) Fluoranthene-d10	19.216	212	20163	0.414	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	3412	0.418	ng/ul	97
5) Naphthalene	10.623	128	27344	0.439	ng/ul	99
7) 2-Methylnaphthalene	12.245	142	16905	0.406	ng/ul	100
8) 1-Methylnaphthalene	12.465	142	17791	0.403	ng/ul	99
10) Acenaphthylene	14.150	152	26843	0.430	ng/ul	100
11) Acenaphthene	14.497	153	19988	0.431	ng/ul	99
12) Fluorene	15.487	166	22174	0.446	ng/ul	100
14) Pentachlorophenol	16.850	266	1380	0.386	ng/ul	97
15) Phenanthrene	17.226	178	30540	0.437	ng/ul	100
16) Anthracene	17.319	178	26052	0.439	ng/ul	99
19) Fluoranthene	19.249	202	27781	0.414	ng/ul	100
20) Pyrene	19.611	202	27513	0.415	ng/ul	100
21) Benzo(a)anthracene	21.359	228	17914	0.428	ng/ul	99
22) Chrysene	21.409	228	22862	0.440	ng/ul	99
24) Benzo(b)fluoranthene	22.984	252	20065	0.433	ng/ul	98
25) Benzo(k)fluoranthene	23.031	252	22382	0.458	ng/ul	99
26) Benzo(a)pyrene	23.581	252	19099	0.456	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.037	276	23814	0.477	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.064	278	18069	0.517	ng/ul	98
29) Benzo(g,h,i)perylene	26.748	276	20815	0.444	ng/ul	98

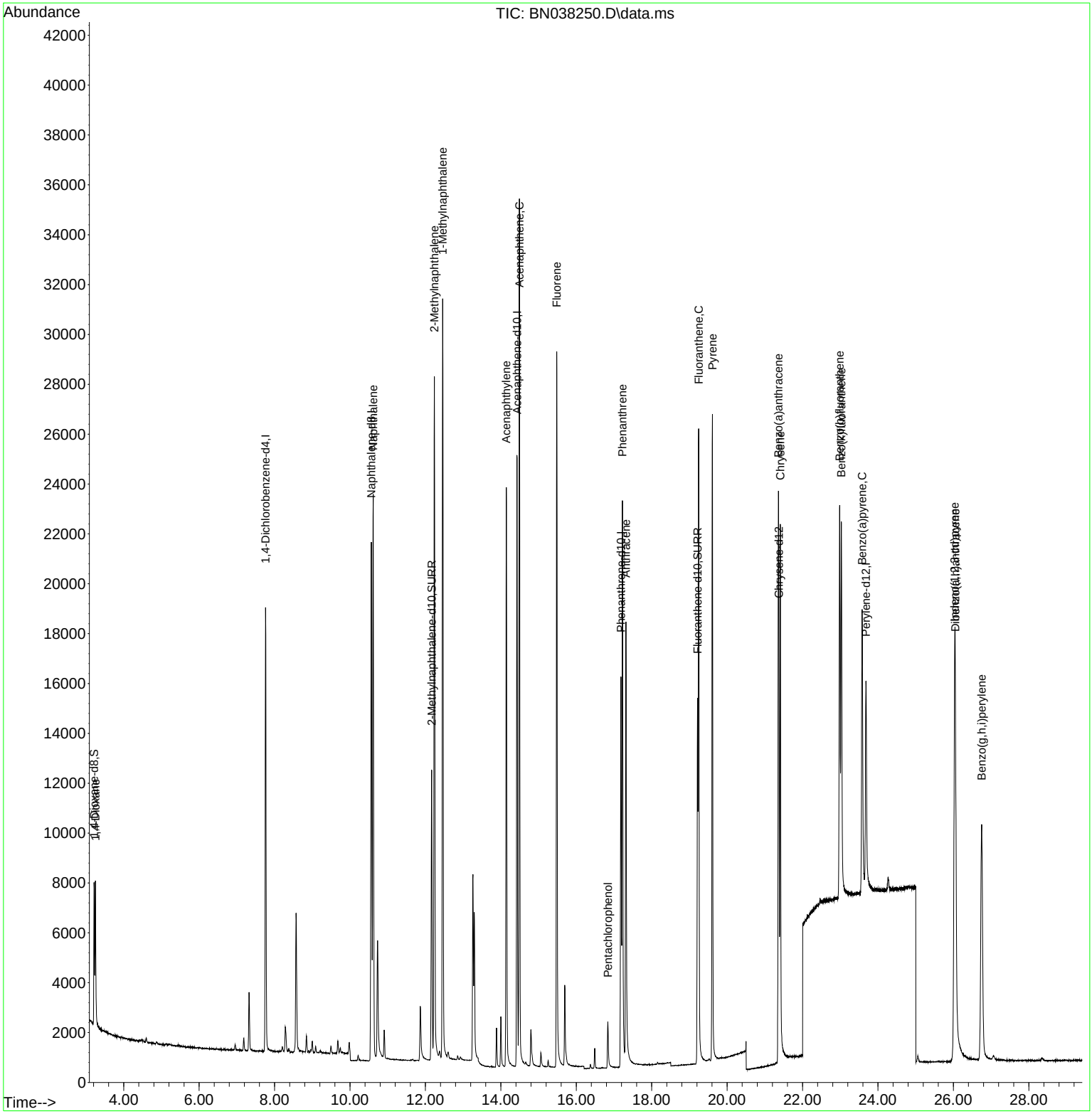
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038250.D
Acq On : 02 Dec 2025 12:11
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.4275

Quant Time: Dec 03 00:17:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038250.D
Acq On : 02 Dec 2025 12:11
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD0.4275

Quant Time: Dec 03 00:17:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	9123	0.400	ng/ul	0.00
4) Naphthalene-d8	10.567	136	28276	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.431	164	13975	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.183	188	20215	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	12243	0.400	ng/ul	0.00
23) Perylene-d12	23.683	264	12704	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	3672	0.384	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.167	152	15991	0.397	ng/ul	0.00
18) Fluoranthene-d10	19.215	212	16961	0.356	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	3847	0.373	ng/ul	92
5) Naphthalene	10.616	128	31681	0.413	ng/ul	100
7) 2-Methylnaphthalene	12.238	142	20707	0.404	ng/ul	100
8) 1-Methylnaphthalene	12.458	142	21993	0.404	ng/ul	100
10) Acenaphthylene	14.144	152	27577	0.420	ng/ul	99
11) Acenaphthene	14.491	153	20041	0.411	ng/ul	99
12) Fluorene	15.481	166	20081	0.384	ng/ul	100
14) Pentachlorophenol	16.837	266	1593	0.491	ng/ul	97
15) Phenanthrene	17.225	178	26175	0.413	ng/ul	100
16) Anthracene	17.318	178	22425	0.417	ng/ul	100
19) Fluoranthene	19.247	202	23684	0.362	ng/ul	99
20) Pyrene	19.610	202	23369	0.361	ng/ul	99
21) Benzo(a)anthracene	21.360	228	17998	0.440	ng/ul	100
22) Chrysene	21.409	228	20640	0.407	ng/ul	99
24) Benzo(b)fluoranthene	22.985	252	20976	0.422	ng/ul	98
25) Benzo(k)fluoranthene	23.029	252	21525	0.411	ng/ul	97
26) Benzo(a)pyrene	23.581	252	19465	0.433	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.031	276	26217	0.490	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.051	278	19852	0.529	ng/ul	95
29) Benzo(g,h,i)perylene	26.749	276	21979	0.437	ng/ul	99

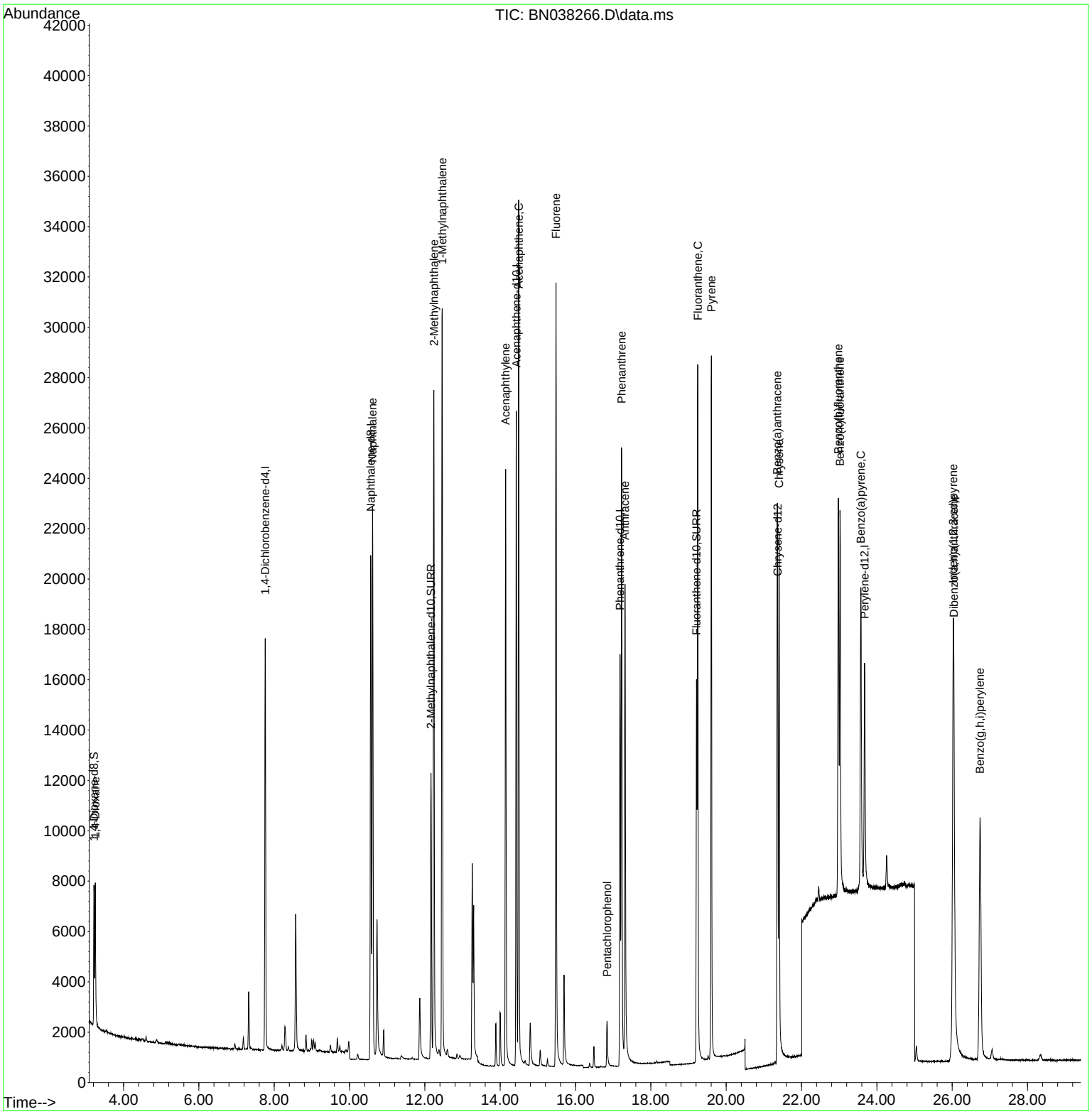
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038266.D
Acq On : 02 Dec 2025 22:29
Operator : RC/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.4276

Quant Time: Dec 03 01:35:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038266.D
Acq On : 02 Dec 2025 22:29
Operator : RC/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD0.4276

Quant Time: Dec 03 01:35:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8546	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	27475	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	14571	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	21512	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	12248	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	12769	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	3546	0.395	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	16059	0.410	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	17624	0.370	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	3823	0.396	ng/ul	98
5) Naphthalene	10.612	128	30771	0.412	ng/ul	100
7) 2-Methylnaphthalene	12.239	142	20597	0.413	ng/ul	100
8) 1-Methylnaphthalene	12.459	142	21909	0.414	ng/ul	100
10) Acenaphthylene	14.146	152	28560	0.417	ng/ul	100
11) Acenaphthene	14.493	153	20721	0.407	ng/ul	99
12) Fluorene	15.483	166	21323	0.391	ng/ul	99
14) Pentachlorophenol	16.838	266	1598	0.463	ng/ul	98
15) Phenanthrene	17.222	178	28134	0.418	ng/ul	100
16) Anthracene	17.315	178	24232	0.423	ng/ul	100
19) Fluoranthene	19.244	202	24551	0.375	ng/ul	100
20) Pyrene	19.607	202	24069	0.371	ng/ul	99
21) Benzo(a)anthracene	21.353	228	17828	0.436	ng/ul	100
22) Chrysene	21.403	228	20549	0.405	ng/ul	99
24) Benzo(b)fluoranthene	22.978	252	20854	0.417	ng/ul	99
25) Benzo(k)fluoranthene	23.022	252	21294	0.404	ng/ul	97
26) Benzo(a)pyrene	23.575	252	19383	0.429	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.027	276	26557	0.494	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.044	278	20059	0.532	ng/ul	95
29) Benzo(g,h,i)perylene	26.738	276	21921	0.434	ng/ul	99

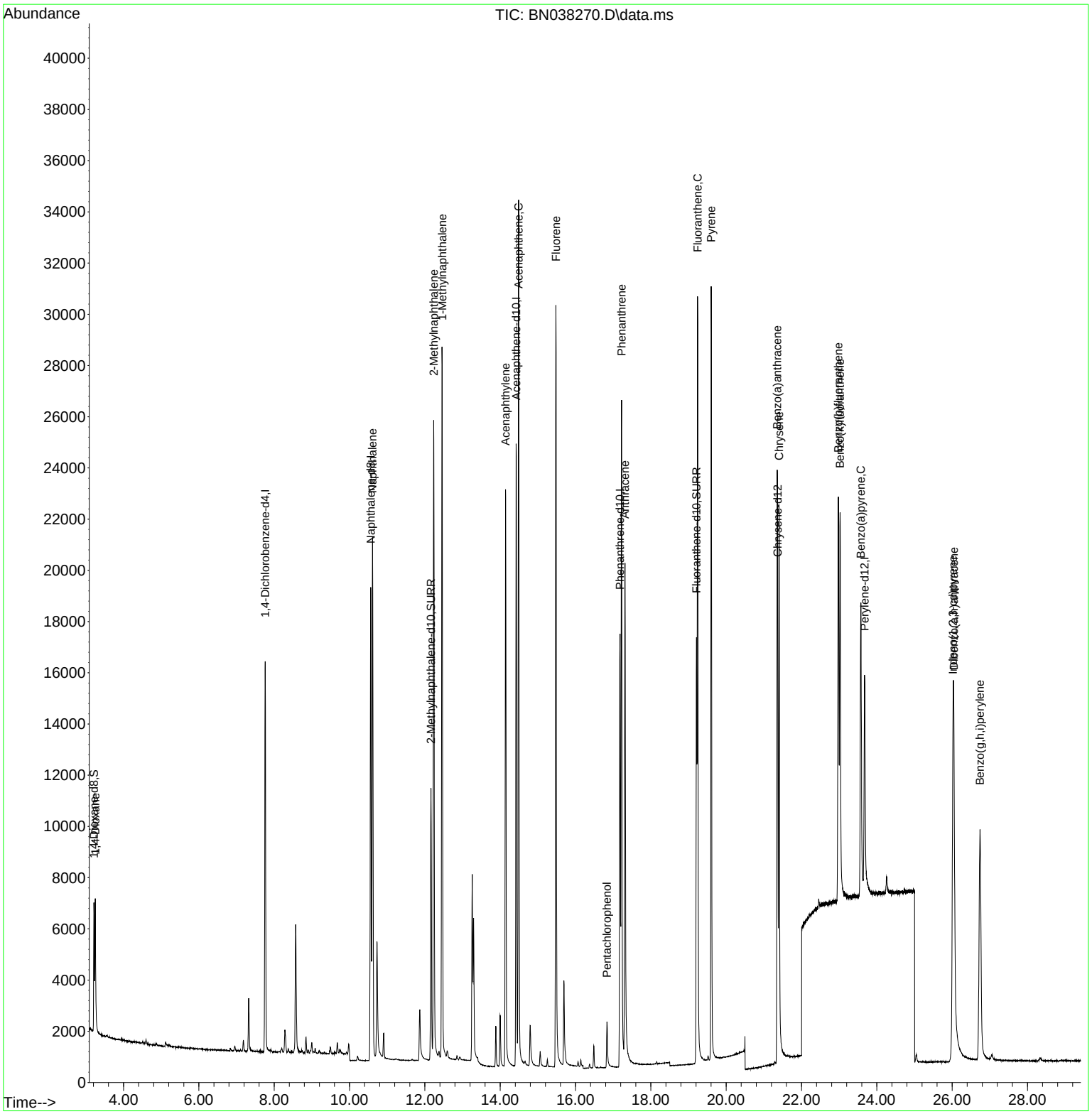
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038270.D
Acq On : 05 Dec 2025 12:05
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.4277

Quant Time: Dec 05 12:36:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038270.D
Acq On : 05 Dec 2025 12:05
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD0.4277

Quant Time: Dec 05 12:36:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8084	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	25043	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.424	164	13865	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	22534	0.400	ng/ul	0.00
17) Chrysene-d12	21.369	240	12432	0.400	ng/ul	0.00
23) Perylene-d12	23.675	264	12699	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	3383	0.399	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	14596	0.409	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	19218	0.398	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	3526	0.386	ng/ul	99
5) Naphthalene	10.612	128	28289	0.416	ng/ul	100
7) 2-Methylnaphthalene	12.234	142	19051	0.419	ng/ul	100
8) 1-Methylnaphthalene	12.460	142	20436	0.424	ng/ul	99
10) Acenaphthylene	14.142	152	27352	0.420	ng/ul	99
11) Acenaphthene	14.489	153	20088	0.415	ng/ul	99
12) Fluorene	15.479	166	20925	0.403	ng/ul	99
14) Pentachlorophenol	16.834	266	1632	0.452	ng/ul	99
15) Phenanthrene	17.223	178	29796	0.422	ng/ul	100
16) Anthracene	17.316	178	25202	0.420	ng/ul	99
19) Fluoranthene	19.240	202	27513	0.414	ng/ul	98
20) Pyrene	19.603	202	27124	0.412	ng/ul	97
21) Benzo(a)anthracene	21.354	228	18419	0.443	ng/ul	100
22) Chrysene	21.404	228	21603	0.419	ng/ul	99
24) Benzo(b)fluoranthene	22.979	252	21286	0.428	ng/ul	97
25) Benzo(k)fluoranthene	23.023	252	21515	0.411	ng/ul	96
26) Benzo(a)pyrene	23.576	252	19672	0.438	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.022	276	25082	0.469	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.045	278	18437	0.492	ng/ul	97
29) Benzo(g,h,i)perylene	26.739	276	21679	0.431	ng/ul	100

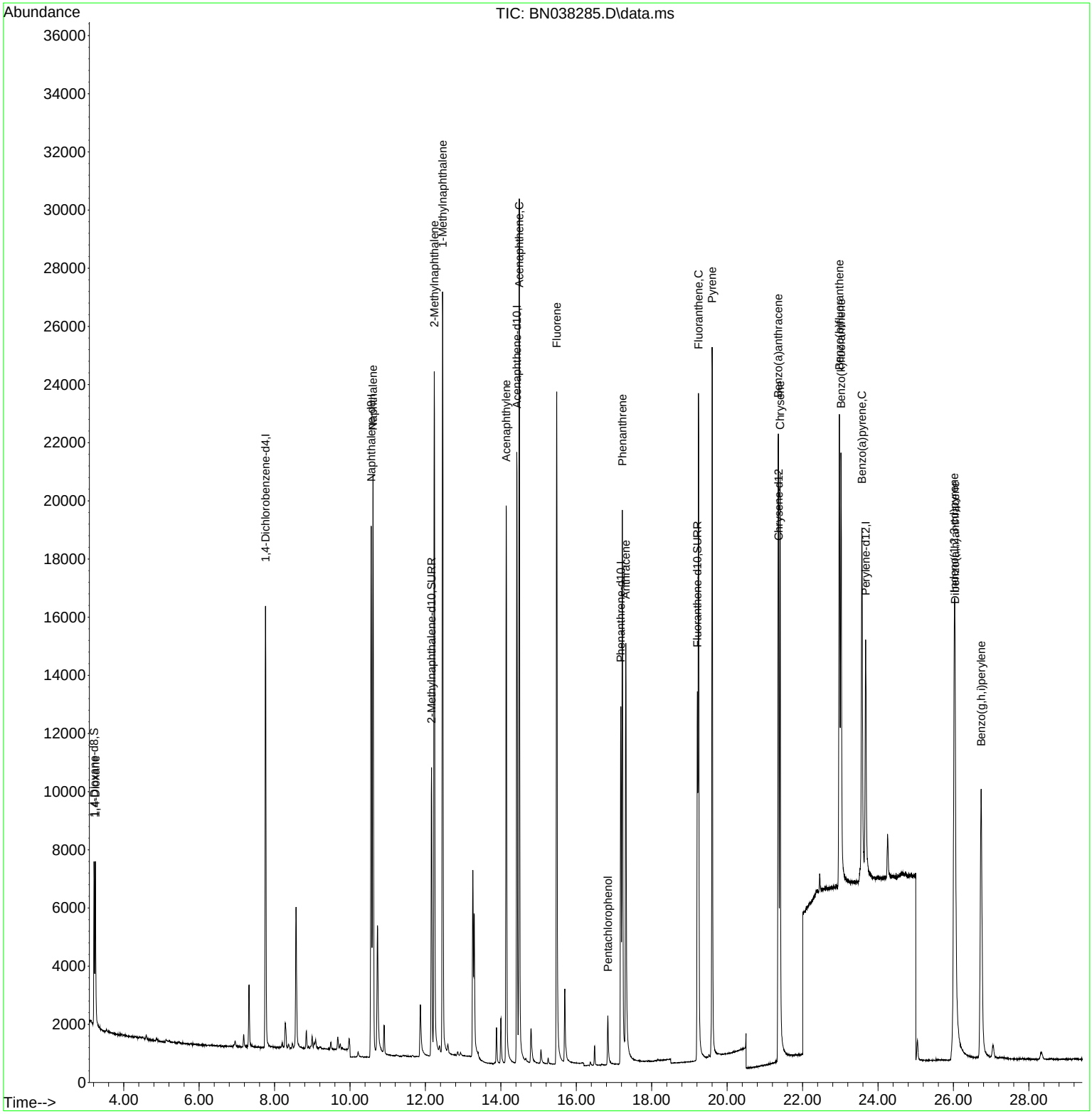
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038285.D
Acq On : 05 Dec 2025 21:47
Operator : RC/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.4278

Quant Time: Dec 05 22:39:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038285.D
Acq On : 05 Dec 2025 21:47
Operator : RC/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTD0.4278

Quant Time: Dec 05 22:39:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8206	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	24955	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.423	164	12086	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	16833	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	11815	0.400	ng/ul	0.00
23) Perylene-d12	23.671	264	12267	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.214	96	3442	0.400	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	14014	0.394	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	15031	0.327	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	3655	0.394	ng/ul	96
5) Naphthalene	10.612	128	28139	0.415	ng/ul	100
7) 2-Methylnaphthalene	12.234	142	18230	0.403	ng/ul	100
8) 1-Methylnaphthalene	12.454	142	19394	0.404	ng/ul	100
10) Acenaphthylene	14.141	152	23685	0.417	ng/ul	99
11) Acenaphthene	14.488	153	17551	0.416	ng/ul	99
12) Fluorene	15.483	166	17008	0.376	ng/ul	99
14) Pentachlorophenol	16.838	266	1464	0.542	ng/ul	97
15) Phenanthrene	17.222	178	22311	0.423	ng/ul	99
16) Anthracene	17.315	178	19223	0.429	ng/ul	100
19) Fluoranthene	19.239	202	21743	0.344	ng/ul	97
20) Pyrene	19.602	202	21861	0.350	ng/ul	96
21) Benzo(a)anthracene	21.354	228	17216	0.436	ng/ul	99
22) Chrysene	21.403	228	20280	0.414	ng/ul	99
24) Benzo(b)fluoranthene	22.976	252	20804	0.433	ng/ul	98
25) Benzo(k)fluoranthene	23.019	252	21413	0.423	ng/ul	95
26) Benzo(a)pyrene	23.572	252	19465	0.449	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	26.021	276	25836	0.500	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.044	278	19415	0.536	ng/ul	95
29) Benzo(g,h,i)perylene	26.732	276	21420	0.441	ng/ul	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

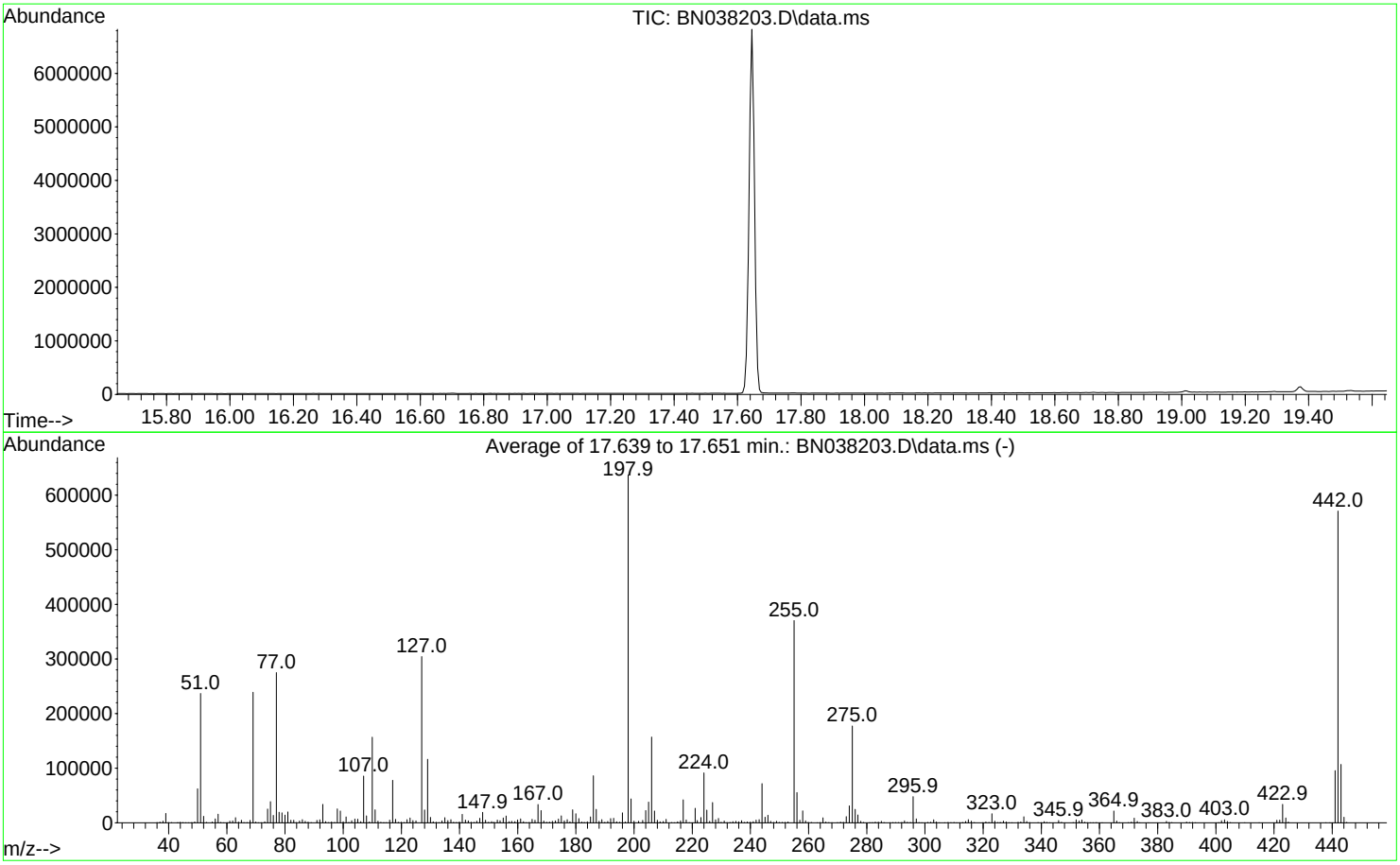
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112625\
Data File : BN038203.D
Acq On : 26 Nov 2025 14:26
Operator : RC/JU
Sample : DFTPP277
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DFTPP277

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 01 16:36:13 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2467

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.2	236783	PASS
68	69	0.00	2	1.8	4253	PASS
69	198	0.00	100	37.5	238955	PASS
70	69	0.00	2	0.6	1406	PASS
127	198	10	80	47.8	304363	PASS
197	198	0.00	2	0.2	1132	PASS
198	198	100	100	100.0	637013	PASS
199	198	5	9	6.9	43685	PASS
275	198	10	60	27.8	177280	PASS
365	198	1	100	3.4	21539	PASS
441	198	0.01	100	15.0	95331	PASS
442	198	50	100	89.6	571029	PASS
443	442	15	24	18.7	106773	PASS

Scan 2467 (17.598 min): BN038203.D\data.ms
DFTPP277

m/z	Abundance
39.00	274.0
39.90	3184.0
41.00	249.0
42.00	160.0
44.00	4542.0
44.90	199.0
46.90	249.0
48.90	1294.0
49.90	182.0
50.90	465.0
73.00	807.0
77.00	197.0
77.90	185.0
78.80	158.0
83.90	842.0
86.00	541.0
90.80	186.0
95.90	197.0
132.90	305.0
191.00	351.0
192.90	287.0
207.00	2434.0
208.00	702.0
208.90	295.0
281.00	573.0
282.00	281.0
282.90	177.0
355.00	167.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

Scan 2474 (17.639 min): BN038203.D\data.ms
DFTPP277

Instrument :
BNA_N
ClientSampleId :
DFTPP277

m/z	Abundance
36.00	321.0
37.00	1346.0
38.00	3005.0
39.00	19520.0
40.00	3688.0
41.00	622.0
42.90	190.0
44.00	5131.0
44.90	500.0
47.00	333.0
47.80	357.0
49.00	2817.0
50.00	66632.0
51.00	256192.0
52.00	12915.0
53.00	750.0
54.90	1266.0
56.00	7708.0
57.00	17216.0
57.90	661.0
60.00	230.0
61.00	3041.0
62.00	4078.0
63.00	9733.0
64.00	1314.0
65.00	5223.0
66.00	254.0
67.00	377.0
68.00	4651.0
69.00	255680.0
70.00	1374.0
70.90	316.0
71.90	256.0
73.00	2673.0
74.00	27488.0
75.00	41048.0
76.00	13586.0
77.00	291072.0
78.00	20944.0
79.00	19216.0
80.00	15515.0
81.00	20288.0
82.00	4751.0
83.00	4962.0
84.00	1207.0
85.00	3323.0
85.90	6318.0
86.90	2913.0
88.00	1092.0
89.00	537.0
91.00	5046.0
92.00	5396.0
93.00	34272.0
94.00	2041.0
95.00	535.0
96.10	1727.0
97.10	468.0
98.00	26640.0
99.00	23848.0
100.00	1841.0
101.00	10957.0
101.90	670.0
102.90	3671.0
104.00	6418.0
105.00	6305.0
106.00	2279.0
107.00	88280.0
108.00	13290.0
109.00	2395.0
110.00	158784.0
111.00	25480.0
112.00	2733.0
113.00	972.0
113.90	324.0
115.00	530.0
116.00	5118.0
117.00	77560.0
118.00	6709.0
118.90	675.0
119.90	1008.0
121.00	468.0
121.90	5642.0
123.00	8846.0
123.90	4567.0
125.00	3673.0
127.00	308672.0
128.00	23776.0
129.00	116400.0
130.00	9584.0
131.00	1762.0
132.00	891.0
133.00	833.0

133.90	3741.0
135.00	8726.0
136.00	3948.0
137.00	6233.0
138.00	925.0
139.00	818.0
140.00	1498.0
141.00	15135.0
142.00	4850.0
143.00	3297.0
144.00	902.0
145.10	935.0
145.90	2971.0
146.90	8293.0
148.00	19576.0
149.00	4545.0
149.90	1174.0
151.00	1970.0
151.70	1151.0
153.00	4661.0
153.90	3810.0
155.00	8562.0
156.00	11920.0
157.10	2189.0
157.90	2638.0
159.00	1810.0
159.90	5455.0
161.00	7089.0
162.00	2085.0
163.00	653.0
163.90	769.0
165.00	6219.0
166.00	4365.0
167.00	31904.0
168.00	23712.0
169.00	3242.0
170.00	762.0
170.90	1117.0
171.90	2709.0
172.90	2962.0
174.00	7079.0
175.00	12919.0
176.00	3286.0
177.00	5527.0
178.00	1518.0
178.90	23560.0
180.00	16560.0
181.00	7017.0
182.00	1082.0
182.90	724.0
183.90	1818.0
185.00	10703.0
186.00	83768.0
187.00	24136.0
188.00	2465.0
188.90	5457.0
189.80	768.0
191.00	2620.0
192.00	7231.0
193.00	7560.0
194.00	1758.0
195.00	916.0
196.00	17640.0
197.00	3396.0
198.00	582976.0
199.00	43152.0
200.00	2942.0
201.50	2763.0
202.90	4223.0
204.00	20704.0
205.00	36096.0
206.00	148480.0
207.00	23248.0
208.00	5026.0
209.00	2095.0
210.00	2347.0
211.00	5966.0
212.90	381.0
213.80	183.0
215.00	1549.0
215.90	3335.0
216.90	36968.0
217.90	4622.0
218.90	538.0
221.00	23880.0
223.00	8405.0
224.00	80288.0
225.00	21688.0
226.00	2752.0
227.00	34616.0
228.00	4929.0
229.00	6360.0
230.00	981.0
231.00	2760.0
231.90	328.0
233.00	557.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

234.00	1861.0
235.00	2293.0
235.90	1471.0
237.00	3805.0
237.90	743.0
239.00	1364.0
240.00	1086.0
240.90	1975.0
242.00	4520.0
243.00	5227.0
244.00	66928.0
245.00	9230.0
246.00	13403.0
246.90	2454.0
248.00	517.0
249.00	2242.0
249.90	675.0
250.90	708.0
251.90	965.0
253.00	1355.0
255.00	329728.0
256.00	47976.0
257.00	4304.0
258.00	20240.0
258.90	3485.0
259.90	571.0
260.90	590.0
264.00	622.0
264.90	7978.0
265.90	1043.0
266.90	254.0
269.90	242.0
270.90	995.0
271.90	704.0
273.00	10592.0
274.00	25680.0
275.00	155136.0
276.00	21480.0
277.00	12365.0
278.00	2601.0
278.90	603.0
281.10	737.0
282.00	661.0
283.00	1390.0
283.90	1132.0
285.00	2185.0
285.90	449.0
289.00	379.0
289.90	714.0
291.00	396.0
292.00	726.0
293.00	2893.0
293.90	932.0
295.00	922.0
295.90	39776.0
297.00	6295.0
298.00	426.0
300.90	486.0
301.90	689.0
303.00	4717.0
304.00	1250.0
304.90	198.0
308.00	555.0
308.90	488.0
310.00	548.0
313.10	400.0
314.00	2353.0
314.90	5227.0
316.00	2432.0
317.00	369.0
319.90	210.0
320.90	1224.0
322.00	705.0
323.00	13357.0
324.00	2435.0
325.10	307.0
325.80	380.0
326.90	2376.0
327.90	1296.0
328.90	213.0
332.00	999.0
333.00	1376.0
334.00	9099.0
335.00	1971.0
336.00	258.0
339.00	264.0
339.90	213.0
341.00	1921.0
341.90	607.0
345.90	3058.0
347.00	548.0
350.90	283.0
352.00	4325.0
353.00	2563.0
354.00	4361.0
355.00	794.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

356.90	211.0
358.90	567.0
364.90	16784.0
365.90	2695.0
366.90	275.0
369.90	351.0
371.00	972.0
372.00	7963.0
373.00	1677.0
373.90	267.0
376.80	162.0
383.00	1940.0
384.00	668.0
384.80	256.0
390.00	804.0
390.90	620.0
392.00	617.0
400.90	490.0
401.90	3385.0
403.00	3852.0
404.00	1396.0
405.00	382.0
421.00	3550.0
421.90	3376.0
423.00	27880.0
424.00	7079.0
424.90	1012.0
441.00	67768.0
442.00	427904.0
443.00	66264.0
444.00	7279.0
445.00	345.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

Scan 2475 (17.645 min): BN038203.D\data.ms
DFTPP277

Instrument :
BNA_N
ClientSampleId :
DFTPP277

m/z	Abundance
36.00	379.0
37.00	1235.0
38.10	3392.0
39.00	20432.0
40.00	4045.0
41.00	696.0
43.20	292.0
44.00	5541.0
45.00	718.0
45.90	175.0
46.80	319.0
49.00	3051.0
50.00	74040.0
51.00	280192.0
52.00	13793.0
53.00	589.0
55.00	1570.0
56.00	8212.0
57.00	18568.0
58.00	871.0
59.00	263.0
60.10	302.0
61.00	3501.0
62.00	4300.0
63.00	11139.0
64.00	1316.0
65.00	5425.0
65.90	433.0
67.00	447.0
68.00	5120.0
69.00	280768.0
70.00	1546.0
70.90	249.0
73.00	3032.0
74.00	28536.0
75.00	45600.0
76.00	16464.0
77.00	327872.0
78.00	23016.0
79.00	22320.0
80.00	16592.0
81.00	23928.0
82.00	5441.0
83.00	5352.0
83.90	1420.0
85.00	3400.0
86.00	7148.0
86.90	2928.0
87.90	1574.0
89.00	677.0
91.00	5315.0
91.90	6471.0
93.00	40792.0
94.00	2883.0
95.00	412.0
96.00	1863.0
96.90	698.0
98.00	30680.0
99.00	24368.0
100.00	2281.0
101.00	12874.0
102.00	870.0
102.90	4471.0
104.00	8394.0
105.00	7681.0
106.10	2515.0
107.00	101824.0
108.00	14213.0
110.00	186368.0
111.00	27472.0
111.90	3823.0
112.90	897.0
113.70	266.0
114.20	188.0
114.80	665.0
116.00	5264.0
117.00	92632.0
118.00	7166.0
119.10	943.0
119.90	1494.0
120.90	443.0
122.00	6945.0
123.00	10083.0
124.00	4861.0
125.00	4023.0
127.00	364160.0
128.00	28232.0
129.00	139264.0
130.00	12570.0
131.00	2366.0
132.00	1245.0
132.90	526.0

134.00	4329.0
135.00	11669.0
136.00	4687.0
137.00	6895.0
137.90	1238.0
138.90	719.0
140.00	1598.0
140.90	19192.0
142.00	5633.0
143.00	4542.0
144.00	1243.0
145.00	739.0
145.90	3145.0
147.00	9974.0
148.00	22072.0
148.90	5145.0
150.00	1322.0
151.00	2592.0
151.90	1489.0
153.00	5680.0
154.00	4307.0
155.00	10822.0
156.00	15196.0
157.10	2486.0
158.00	3321.0
159.00	2828.0
159.90	6118.0
161.00	8491.0
162.00	2552.0
163.00	602.0
164.00	1046.0
164.90	7246.0
166.00	5167.0
167.00	40264.0
168.00	25840.0
168.90	3829.0
169.90	1429.0
171.00	1153.0
171.90	3210.0
173.00	4422.0
174.00	8610.0
175.00	14771.0
176.00	4015.0
177.00	6522.0
178.00	2519.0
178.90	28240.0
180.00	19304.0
181.00	10111.0
182.00	1614.0
182.90	798.0
184.00	2307.0
185.00	12360.0
186.00	101792.0
187.00	28936.0
188.00	3425.0
188.90	6468.0
190.00	1042.0
191.00	3537.0
192.00	9690.0
193.00	10256.0
194.00	2045.0
195.10	1144.0
196.00	22288.0
197.90	788864.0
199.00	51184.0
200.00	3544.0
201.50	3279.0
203.00	4887.0
204.00	27096.0
205.00	47680.0
206.00	193792.0
207.00	28880.0
208.00	6259.0
209.00	2551.0
210.10	2869.0
211.00	7542.0
213.00	605.0
213.90	263.0
215.00	2187.0
216.00	4008.0
216.90	53528.0
218.00	6353.0
219.00	534.0
221.00	32408.0
221.70	7395.0
223.00	11709.0
224.00	114992.0
225.00	28440.0
226.00	3092.0
227.00	43568.0
228.00	6222.0
229.00	9983.0
230.00	1432.0
231.00	4074.0
232.00	620.0
233.00	829.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

234.00	2823.0
235.00	3236.0
235.90	2334.0
236.90	4243.0
238.00	580.0
238.90	1535.0
240.00	1824.0
241.00	2575.0
242.00	5453.0
243.00	6900.0
244.00	80376.0
245.00	11966.0
246.00	15520.0
247.00	3039.0
248.00	819.0
248.90	3558.0
249.90	525.0
251.00	682.0
251.90	603.0
253.00	1744.0
255.00	461056.0
256.00	67928.0
257.00	5438.0
257.90	27192.0
259.00	3931.0
259.90	702.0
261.00	716.0
263.00	301.0
264.00	593.0
265.00	10655.0
265.90	1580.0
267.00	401.0
268.00	227.0
270.00	441.0
271.00	1496.0
271.90	1301.0
272.90	13672.0
274.00	36832.0
275.00	214784.0
276.00	29744.0
276.90	18352.0
277.90	3082.0
278.90	636.0
281.00	1151.0
281.90	491.0
283.00	1681.0
284.00	1358.0
285.00	3384.0
286.00	495.0
288.00	350.0
288.90	819.0
289.90	461.0
291.00	557.0
292.10	939.0
293.00	4514.0
294.00	1315.0
295.00	1217.0
296.00	56760.0
297.00	7307.0
297.90	504.0
298.90	154.0
300.90	594.0
302.00	1127.0
303.00	6161.0
304.00	1719.0
305.00	234.0
306.80	160.0
307.90	1157.0
308.90	738.0
310.00	553.0
310.90	183.0
311.90	192.0
313.00	680.0
314.00	2838.0
314.90	7362.0
315.90	3733.0
317.00	717.0
319.90	154.0
321.00	1616.0
322.00	1153.0
323.00	18992.0
324.00	3574.0
324.90	317.0
326.00	492.0
326.90	3958.0
328.00	1975.0
328.90	383.0
329.90	180.0
332.00	1169.0
333.00	2041.0
334.00	14021.0
335.00	3142.0
336.00	451.0
338.90	374.0
340.00	268.0
341.00	2410.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

342.00	663.0
343.00	202.0
346.00	5536.0
346.90	1291.0
351.00	551.0
352.00	6484.0
353.00	3940.0
354.00	5779.0
355.00	1748.0
355.90	159.0
359.00	467.0
360.90	178.0
364.90	23920.0
365.90	3803.0
366.80	353.0
369.90	543.0
370.90	1364.0
372.00	9816.0
373.00	2719.0
373.90	311.0
376.90	485.0
383.00	3465.0
383.90	690.0
384.90	415.0
390.00	1548.0
390.90	981.0
391.90	788.0
393.00	165.0
400.90	595.0
401.90	4344.0
403.00	6705.0
404.00	2773.0
405.00	606.0
410.00	236.0
414.90	448.0
421.00	5086.0
422.00	5920.0
423.00	42064.0
424.00	10745.0
425.00	1399.0
437.90	203.0
439.20	287.0
441.00	117552.0
442.00	663424.0
443.00	128576.0
444.00	10536.0
444.90	897.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

Scan 2476 (17.651 min): BN038203.D\data.ms
DFTPP277

Instrument :
BNA_N
ClientSampleId :
DFTPP277

m/z	Abundance
36.00	292.0
37.00	821.0
38.00	2038.0
39.00	12392.0
40.00	3545.0
41.00	533.0
42.90	245.0
44.00	5873.0
44.90	444.0
46.90	331.0
48.00	261.0
49.00	2612.0
50.00	46736.0
51.00	175360.0
52.00	8583.0
53.00	531.0
55.00	981.0
56.00	5269.0
57.00	11621.0
58.00	604.0
59.00	295.0
60.00	225.0
61.00	2500.0
62.00	2346.0
63.00	7310.0
64.00	906.0
65.00	3357.0
65.80	237.0
66.90	427.0
68.00	2988.0
69.00	180416.0
69.90	1299.0
73.00	2537.0
74.00	19408.0
75.00	29672.0
76.00	10688.0
77.00	206912.0
78.00	14484.0
79.00	13591.0
80.00	10281.0
81.00	15058.0
82.00	3871.0
83.00	3429.0
83.90	1118.0
85.00	2588.0
86.00	4908.0
87.00	2175.0
88.00	757.0
89.00	437.0
91.00	3376.0
92.00	4004.0
93.00	25616.0
93.90	1732.0
95.00	344.0
96.00	1444.0
97.10	677.0
98.00	19080.0
99.00	16173.0
100.00	1421.0
101.00	8455.0
102.00	514.0
102.90	2732.0
104.00	5619.0
105.00	5272.0
106.00	1827.0
107.00	66568.0
108.00	10467.0
109.00	1910.0
110.00	124840.0
111.00	18176.0
112.00	2013.0
112.90	781.0
114.80	320.0
115.90	3881.0
117.00	63296.0
118.00	5234.0
119.00	819.0
120.00	839.0
121.00	433.0
122.00	4743.0
123.00	6923.0
124.00	3113.0
125.00	2990.0
127.00	240256.0
128.00	18704.0
129.00	92760.0
130.00	7733.0
130.90	1382.0
132.00	916.0
133.00	657.0
134.00	2550.0
134.90	7568.0

136.00	3124.0
137.00	4374.0
138.00	870.0
138.90	450.0
139.90	1169.0
141.00	12025.0
142.00	3847.0
143.00	2863.0
143.90	634.0
144.90	711.0
145.90	2373.0
146.90	6658.0
147.90	15584.0
149.00	3658.0
150.00	841.0
151.00	1481.0
151.90	968.0
153.00	4014.0
153.90	2824.0
155.00	6975.0
156.00	10188.0
157.00	1967.0
158.00	2268.0
159.00	1530.0
160.00	4046.0
161.00	6093.0
161.90	1492.0
162.90	455.0
164.00	664.0
165.00	4961.0
165.90	3933.0
167.00	27696.0
168.00	17704.0
169.00	2329.0
169.90	791.0
170.90	1097.0
171.90	2162.0
173.00	3000.0
174.00	4861.0
175.00	10016.0
176.00	2893.0
177.00	4702.0
177.90	1700.0
178.90	19656.0
180.00	13675.0
181.00	5991.0
182.00	1081.0
182.90	776.0
183.90	1597.0
185.00	9341.0
186.00	72832.0
187.00	20528.0
188.00	2264.0
188.90	4890.0
189.90	746.0
190.90	2141.0
191.90	6370.0
193.00	7409.0
194.00	1408.0
195.10	742.0
196.00	14755.0
197.90	539200.0
198.90	36720.0
200.00	2474.0
201.60	2190.0
202.90	3771.0
204.00	19552.0
205.00	29368.0
206.00	128896.0
207.00	19368.0
208.00	4503.0
209.00	1758.0
210.00	2316.0
211.00	5520.0
212.90	412.0
214.00	173.0
214.90	1472.0
216.00	3177.0
216.90	35760.0
218.00	4768.0
218.90	285.0
221.00	23112.0
221.80	4855.0
223.00	8411.0
224.00	78304.0
225.00	19528.0
226.00	2320.0
227.00	32472.0
228.00	5187.0
229.00	7050.0
229.90	853.0
231.00	2878.0
232.00	548.0
232.90	792.0
233.90	1972.0
235.00	2152.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

236.00	1449.0
237.00	3245.0
238.00	610.0
239.00	1476.0
239.90	965.0
240.90	1775.0
241.90	4447.0
243.00	4731.0
244.00	67584.0
245.00	8910.0
246.00	12468.0
247.00	2403.0
248.00	525.0
248.90	2466.0
249.90	531.0
250.90	626.0
252.00	599.0
252.90	1386.0
255.00	320000.0
256.00	50344.0
257.00	3828.0
258.00	17792.0
258.90	2921.0
259.90	685.0
260.90	425.0
263.90	407.0
265.00	8185.0
265.90	1088.0
267.00	227.0
270.00	341.0
271.00	985.0
272.00	1002.0
273.00	9685.0
274.00	29976.0
275.00	161920.0
276.00	22456.0
277.00	12136.0
278.00	2434.0
278.90	523.0
281.00	1110.0
281.90	564.0
283.00	1229.0
284.00	947.0
285.00	2464.0
285.90	334.0
288.00	288.0
288.90	499.0
289.90	366.0
290.90	462.0
292.00	651.0
292.90	3048.0
293.90	941.0
296.00	47120.0
297.00	7394.0
298.00	376.0
298.90	205.0
301.00	690.0
302.00	870.0
303.00	5194.0
303.90	1327.0
305.00	204.0
308.00	699.0
309.00	401.0
309.90	830.0
310.90	173.0
312.80	266.0
313.90	2252.0
314.90	4747.0
316.00	2869.0
317.00	431.0
319.90	194.0
320.90	1636.0
322.00	670.0
323.00	17168.0
324.00	3077.0
325.10	314.0
325.90	394.0
327.00	2815.0
327.90	1599.0
328.90	222.0
332.00	1158.0
332.90	1579.0
334.00	9587.0
335.00	2203.0
335.90	264.0
338.80	269.0
340.00	303.0
341.00	2307.0
341.90	477.0
346.00	3834.0
346.90	793.0
351.00	471.0
352.00	5292.0
353.00	3518.0
353.90	5032.0
354.90	1050.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

357.80	192.0
358.90	297.0
364.90	23912.0
365.90	3048.0
366.80	335.0
370.00	802.0
371.00	1440.0
371.90	7979.0
373.00	2475.0
373.80	210.0
376.90	175.0
383.00	2256.0
383.90	715.0
385.00	212.0
389.90	1064.0
391.10	791.0
392.00	609.0
401.00	601.0
402.00	3466.0
403.00	5756.0
404.00	2619.0
405.00	353.0
409.90	271.0
414.90	367.0
421.00	4815.0
422.00	4975.0
422.90	31480.0
424.10	8655.0
424.90	1008.0
437.90	251.0
439.30	314.0
441.00	100672.0
442.00	621760.0
443.00	125480.0
444.10	12488.0
445.10	558.0

Instrument :
BNA_N
ClientSampleId :
DFTPP277

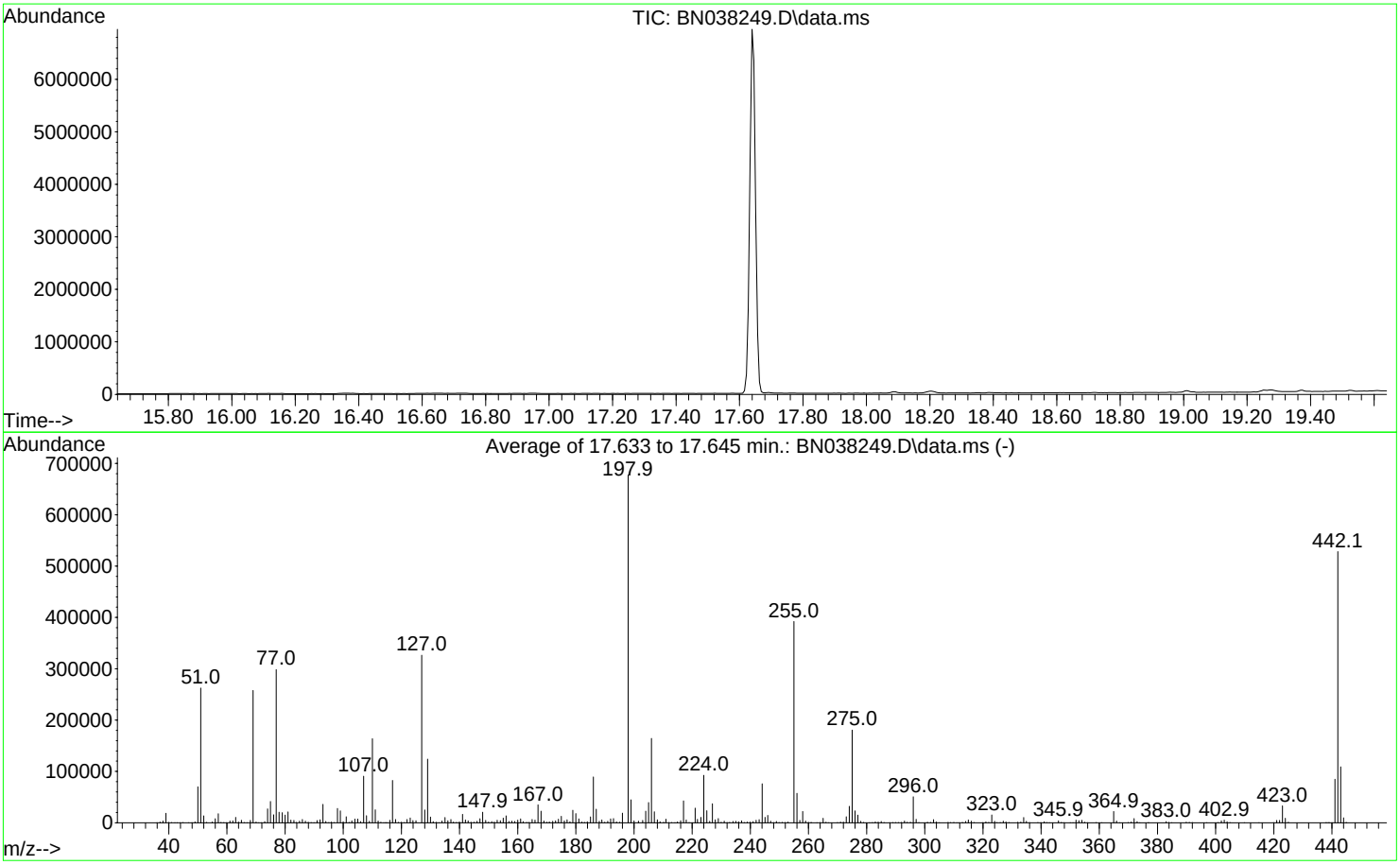
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038249.D
Acq On : 02 Dec 2025 11:32
Operator : RC/JU
Sample : DFTPP278
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DFTPP278

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 01 16:36:13 2025



AutoFind: Scans 2473, 2474, 2475; Background Corrected with Scan 2466

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.7	262370	PASS
68	69	0.00	2	1.8	4514	PASS
69	198	0.00	100	38.0	257685	PASS
70	69	0.00	2	0.6	1491	PASS
127	198	10	80	48.2	326315	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	677589	PASS
199	198	5	9	6.6	44629	PASS
275	198	10	60	26.6	180459	PASS
365	198	1	100	3.2	21905	PASS
441	198	0.01	100	12.5	84872	PASS
442	198	50	100	78.0	528341	PASS
443	442	15	24	20.6	108877	PASS

Scan 2466 (17.592 min): BN038249.D\data.ms
DFTPP278

m/z	Abundance
36.00	159.0
39.00	457.0
39.90	3450.0
41.00	437.0
41.90	170.0
42.90	390.0
44.00	3678.0
44.90	193.0
46.90	152.0
48.90	875.0
51.10	329.0
55.00	396.0
67.00	273.0
73.00	701.0
74.90	178.0
76.90	314.0
77.90	258.0
83.00	230.0
83.90	494.0
85.00	167.0
85.80	443.0
91.00	333.0
95.10	209.0
96.10	191.0
115.00	267.0
116.90	166.0
132.90	459.0
147.00	341.0
190.90	261.0
192.90	225.0
207.00	2011.0
208.00	438.0
209.10	290.0
221.10	155.0
281.00	738.0
282.00	200.0
283.00	172.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

Scan 2473 (17.633 min): BN038249.D\data.ms
DFTPP278

Instrument :
BNA_N
ClientSampleId :
DFTPP278

m/z	Abundance
36.00	269.0
37.00	1319.0
38.00	3521.0
39.00	17832.0
40.00	4032.0
41.00	884.0
41.90	194.0
42.90	475.0
44.00	3953.0
44.90	365.0
46.90	176.0
47.90	369.0
49.00	2259.0
50.00	60664.0
51.00	232128.0
52.00	12411.0
53.00	793.0
54.90	1549.0
56.00	7274.0
57.00	15593.0
58.00	686.0
59.00	299.0
59.90	219.0
61.00	3049.0
62.00	3265.0
63.00	9351.0
64.00	1130.0
65.00	4036.0
66.00	263.0
67.00	574.0
68.00	3709.0
69.00	222976.0
70.00	1369.0
71.00	195.0
73.00	2571.0
74.00	23048.0
75.00	36096.0
76.10	13370.0
77.00	253952.0
78.00	17984.0
79.00	16944.0
80.00	13286.0
81.00	17664.0
82.00	4822.0
83.00	3890.0
83.90	1037.0
85.00	2879.0
86.00	5748.0
87.00	2592.0
88.00	757.0
88.90	423.0
91.00	4489.0
92.00	4781.0
93.00	30000.0
94.00	2270.0
95.00	636.0
96.00	1383.0
96.90	603.0
98.00	23224.0
99.00	21200.0
100.00	1893.0
101.00	9117.0
102.00	607.0
102.90	3048.0
104.00	5603.0
105.00	5653.0
106.00	2120.0
107.00	73760.0
108.00	11446.0
109.00	2208.0
110.00	139392.0
111.00	21448.0
112.00	2576.0
113.00	870.0
113.90	201.0
115.10	395.0
116.00	4033.0
117.00	69224.0
118.00	5519.0
119.00	679.0
120.00	990.0
121.00	570.0
122.00	4897.0
123.00	8185.0
124.00	3452.0
125.00	3036.0
127.00	265600.0
128.00	21352.0
129.00	99768.0
130.00	9533.0
131.00	1845.0
132.00	786.0

132.90	658.0
133.90	2636.0
135.00	8027.0
136.00	3248.0
137.00	5592.0
137.90	1106.0
138.90	571.0
140.00	1223.0
141.00	13047.0
142.00	4511.0
143.00	2947.0
143.90	894.0
144.90	746.0
146.00	2152.0
147.00	6368.0
147.90	17056.0
149.00	3769.0
149.90	1016.0
151.10	1697.0
151.90	1098.0
153.00	3880.0
154.00	3173.0
155.00	7385.0
156.00	10182.0
157.00	1802.0
158.00	2350.0
158.90	2005.0
160.00	4232.0
161.00	5820.0
161.90	1481.0
163.00	654.0
163.90	592.0
165.00	5104.0
166.00	3993.0
167.00	27832.0
168.00	20104.0
169.00	3047.0
170.10	849.0
170.90	963.0
172.00	2220.0
173.00	2832.0
174.00	5407.0
175.00	9572.0
176.00	2874.0
177.00	4648.0
178.00	1611.0
178.90	17632.0
180.00	13893.0
181.00	6285.0
182.00	890.0
182.90	492.0
183.90	1544.0
185.00	9112.0
186.00	66192.0
187.00	20352.0
188.00	2119.0
189.00	4370.0
189.90	948.0
191.00	2228.0
191.90	6184.0
193.00	5740.0
194.00	1493.0
195.00	733.0
196.00	13879.0
197.90	508800.0
199.00	34224.0
200.00	2684.0
201.50	2287.0
203.00	3526.0
204.00	15973.0
205.00	29000.0
206.00	120144.0
207.00	18488.0
208.00	4438.0
209.00	1601.0
211.00	4859.0
211.90	1178.0
213.00	398.0
214.10	171.0
214.90	1238.0
216.00	2941.0
217.00	30592.0
217.90	3970.0
218.90	424.0
221.00	20736.0
221.80	4822.0
223.00	6973.0
224.00	67088.0
225.00	16808.0
226.00	2278.0
227.00	29184.0
227.90	4191.0
229.00	5715.0
230.00	801.0
231.00	2231.0
232.10	229.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

232.90	360.0
234.00	1939.0
235.00	2222.0
235.90	1412.0
237.00	2842.0
237.90	306.0
238.90	964.0
240.00	815.0
240.90	1085.0
242.00	3188.0
243.00	4203.0
244.00	51864.0
245.00	7919.0
246.00	9221.0
246.90	2192.0
247.90	452.0
248.90	1689.0
249.90	269.0
251.00	435.0
252.00	424.0
253.00	895.0
255.00	264064.0
256.00	40520.0
257.00	2984.0
258.00	13770.0
259.00	2695.0
260.00	551.0
260.80	486.0
263.00	158.0
264.10	475.0
265.00	5680.0
266.00	912.0
267.00	189.0
269.90	282.0
271.00	1094.0
272.00	731.0
273.00	8121.0
274.00	21832.0
275.00	119040.0
276.00	17784.0
277.00	9417.0
278.00	2160.0
279.00	582.0
281.00	809.0
282.00	496.0
282.90	1149.0
283.90	821.0
285.00	1516.0
286.00	321.0
288.90	320.0
289.90	474.0
290.90	264.0
291.90	490.0
293.00	2382.0
294.10	626.0
295.00	743.0
296.00	32944.0
297.00	4653.0
298.00	208.0
300.70	267.0
301.10	330.0
301.90	694.0
303.00	4378.0
304.00	963.0
305.00	240.0
308.00	557.0
308.80	317.0
309.90	541.0
312.90	349.0
314.00	1334.0
314.90	3172.0
316.00	2042.0
317.00	468.0
321.00	1001.0
323.00	10473.0
324.00	2052.0
324.80	206.0
326.00	253.0
326.90	2040.0
327.90	1431.0
328.90	234.0
332.00	783.0
333.00	799.0
334.00	6173.0
335.00	1835.0
338.90	189.0
339.90	180.0
341.10	1187.0
341.90	294.0
345.90	2185.0
346.90	481.0
350.00	165.0
351.10	209.0
352.00	3051.0
353.00	2151.0
354.00	3250.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

355.00	498.0
358.90	212.0
365.00	13355.0
365.90	2083.0
367.00	214.0
370.00	365.0
371.00	1035.0
372.00	5168.0
373.00	1193.0
374.00	196.0
383.00	1266.0
383.90	586.0
389.90	811.0
391.00	530.0
392.00	432.0
401.00	370.0
401.90	2222.0
402.90	3144.0
403.90	1043.0
404.90	323.0
410.00	182.0
414.90	180.0
421.00	2687.0
422.00	2727.0
423.00	17624.0
424.00	5696.0
425.00	942.0
437.90	158.0
438.70	160.0
440.00	417.0
441.00	42912.0
442.10	301440.0
443.00	63280.0
444.00	5493.0
444.90	337.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

Scan 2474 (17.639 min): BN038249.D\data.ms
DFTPP278

Instrument :
BNA_N
ClientSampleId :
DFTPP278

m/z	Abundance
35.90	252.0
37.00	1417.0
38.00	3928.0
39.00	21400.0
40.00	4137.0
41.00	1034.0
41.90	191.0
43.00	374.0
44.00	3883.0
45.00	586.0
47.00	209.0
48.00	228.0
49.10	2599.0
50.00	83816.0
51.00	304896.0
52.00	15313.0
53.00	661.0
55.00	2195.0
56.00	8819.0
57.00	20536.0
58.00	883.0
58.90	409.0
59.90	306.0
61.00	4374.0
62.00	4479.0
63.00	12236.0
64.00	1519.0
65.00	6116.0
66.00	264.0
66.90	602.0
68.00	5135.0
69.00	305216.0
70.00	1645.0
71.00	351.0
71.90	240.0
73.00	3171.0
74.00	32024.0
75.00	49240.0
76.00	18112.0
77.00	358336.0
78.00	24952.0
79.00	23440.0
80.00	17344.0
81.00	24536.0
82.00	6467.0
83.00	5594.0
84.00	1455.0
84.90	4058.0
86.00	8180.0
87.00	3478.0
87.90	1525.0
89.00	585.0
89.90	214.0
91.00	5767.0
92.00	6782.0
93.00	41520.0
94.00	2664.0
95.10	882.0
96.00	2320.0
96.90	848.0
98.00	32296.0
99.00	26280.0
100.00	2265.0
101.00	14098.0
102.00	641.0
103.00	4595.0
104.00	8650.0
105.00	8957.0
105.90	2394.0
107.00	107800.0
108.00	15951.0
109.00	3197.0
110.00	191552.0
111.00	29600.0
112.00	4002.0
113.00	948.0
114.80	532.0
116.00	5520.0
117.00	97464.0
118.00	7316.0
118.90	822.0
120.00	1336.0
121.00	608.0
122.00	7901.0
123.00	10943.0
123.90	5355.0
125.00	4661.0
127.00	378688.0
128.00	29504.0
129.00	145856.0
130.00	13368.0
130.90	2648.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

132.00	1334.0
132.90	799.0
134.00	3911.0
135.00	12211.0
135.90	5163.0
137.00	7148.0
137.90	1802.0
139.00	789.0
140.00	1760.0
141.00	19600.0
142.00	6058.0
142.90	4759.0
144.00	1011.0
145.00	1126.0
146.00	3673.0
147.00	9952.0
148.00	23056.0
149.00	5339.0
150.00	1450.0
151.10	2854.0
151.90	1862.0
152.90	5855.0
154.00	4860.0
155.00	10645.0
156.00	15975.0
157.00	3087.0
158.00	3744.0
159.00	2745.0
160.00	5875.0
161.00	8392.0
161.90	2627.0
163.10	841.0
163.90	876.0
165.00	7510.0
166.00	6293.0
167.00	39744.0
168.00	26224.0
169.00	3493.0
170.00	1153.0
170.90	1776.0
172.00	3458.0
173.00	4204.0
174.00	7896.0
175.00	14794.0
176.00	3838.0
177.00	7286.0
177.90	2170.0
179.00	30376.0
180.00	21048.0
181.00	8316.0
182.10	1492.0
183.00	798.0
184.00	2027.0
185.00	13319.0
186.00	106080.0
187.00	30600.0
188.00	3390.0
189.00	6516.0
189.90	1025.0
191.00	3773.0
192.00	8920.0
193.00	10136.0
193.90	2017.0
195.10	1093.0
196.00	21520.0
197.90	794496.0
199.00	54328.0
200.00	4495.0
201.50	3380.0
203.00	5148.0
204.00	26208.0
205.00	46456.0
206.00	190336.0
207.00	27352.0
208.00	7175.0
208.90	2307.0
210.20	3021.0
211.00	8681.0
213.00	616.0
214.00	160.0
215.00	2007.0
216.00	4751.0
217.00	50768.0
218.00	6523.0
219.00	447.0
221.00	32824.0
221.80	7862.0
223.00	12899.0
224.00	109184.0
225.00	28832.0
226.00	3561.0
227.00	43544.0
228.00	6577.0
229.00	9165.0
229.90	1452.0
231.00	3775.0

232.00	599.0
232.90	674.0
234.00	3094.0
235.00	3409.0
236.00	2062.0
237.00	4620.0
238.00	759.0
239.00	1750.0
240.00	1767.0
240.90	2712.0
242.00	5226.0
243.00	6708.0
244.00	91296.0
245.00	12896.0
246.00	17776.0
247.00	3786.0
248.00	748.0
249.00	3345.0
249.90	498.0
251.00	888.0
252.00	599.0
253.00	1669.0
255.00	454784.0
256.00	65464.0
257.00	5763.0
258.00	25896.0
259.00	3662.0
260.00	828.0
261.00	877.0
262.90	300.0
263.90	461.0
265.00	10229.0
266.00	1161.0
267.00	300.0
270.00	396.0
271.00	1394.0
272.00	1649.0
273.00	13335.0
274.00	36472.0
275.00	208832.0
276.00	26432.0
277.00	17696.0
278.00	3380.0
279.00	685.0
281.10	1068.0
282.00	681.0
283.00	1910.0
284.00	1357.0
285.00	3199.0
285.90	726.0
287.90	232.0
289.00	719.0
290.00	669.0
290.90	465.0
292.00	730.0
293.00	3928.0
293.90	1440.0
295.10	1442.0
296.00	58432.0
297.00	8354.0
298.00	457.0
300.90	841.0
302.00	958.0
303.00	6524.0
304.00	1614.0
305.00	185.0
308.00	809.0
308.90	740.0
310.00	862.0
311.70	253.0
312.90	437.0
313.10	484.0
314.00	2879.0
315.00	6166.0
316.00	3900.0
316.90	743.0
319.90	181.0
321.00	1889.0
322.00	1063.0
323.00	19144.0
324.00	3541.0
324.90	434.0
325.90	441.0
327.00	3336.0
327.90	1823.0
328.90	471.0
332.00	1545.0
333.00	1638.0
334.00	11971.0
335.00	3070.0
335.90	482.0
338.90	379.0
339.80	259.0
341.00	2188.0
342.00	749.0
342.80	234.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

345.90	4428.0
346.90	834.0
350.00	242.0
350.90	320.0
352.00	6113.0
353.00	4683.0
354.00	5819.0
355.00	1302.0
356.00	181.0
358.90	531.0
360.90	200.0
365.00	27184.0
366.00	3807.0
367.00	262.0
369.80	553.0
370.90	1492.0
372.00	10027.0
373.00	2682.0
373.90	233.0
376.80	297.0
383.00	2392.0
383.90	866.0
384.90	274.0
389.90	1357.0
391.00	904.0
392.00	498.0
400.90	604.0
401.90	4082.0
403.00	6081.0
403.90	2338.0
405.00	729.0
409.90	164.0
415.00	322.0
421.00	5479.0
422.00	5354.0
423.00	38952.0
424.00	9507.0
424.90	1046.0
438.10	189.0
439.20	360.0
441.00	99800.0
442.00	627008.0
443.10	137088.0
444.00	10417.0
445.10	713.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

Scan 2475 (17.645 min): BN038249.D\data.ms
DFTPP278

Instrument :
BNA_N
ClientSampleId :
DFTPP278

m/z	Abundance
35.90	213.0
37.00	974.0
38.00	3067.0
39.00	17880.0
40.00	4168.0
40.90	980.0
42.10	268.0
43.00	661.0
44.00	4070.0
44.90	667.0
47.00	247.0
47.90	245.0
49.00	2437.0
50.00	65784.0
51.00	251072.0
52.00	12630.0
53.00	483.0
55.00	1761.0
56.00	7213.0
57.00	16373.0
57.90	768.0
58.90	298.0
59.90	222.0
61.00	3059.0
62.00	3816.0
63.00	9920.0
64.00	1172.0
65.00	4586.0
66.00	487.0
67.10	454.0
68.10	4698.0
69.00	244864.0
70.00	1459.0
70.90	185.0
73.00	2842.0
74.00	25784.0
75.00	39488.0
76.00	15003.0
77.00	283584.0
78.00	19296.0
79.00	18912.0
80.00	14249.0
81.00	20904.0
82.00	4714.0
83.00	4926.0
83.90	1129.0
85.00	2879.0
86.00	6215.0
87.00	3362.0
87.90	1156.0
88.90	606.0
90.00	202.0
91.00	3978.0
92.00	5384.0
93.00	35576.0
94.00	2428.0
95.00	645.0
95.90	1367.0
98.00	28152.0
99.00	21776.0
100.00	1571.0
101.00	11543.0
102.00	667.0
103.00	3589.0
104.00	7625.0
105.00	7290.0
106.00	2568.0
107.00	90256.0
108.00	13924.0
109.00	2774.0
110.00	160640.0
111.00	24504.0
112.00	3246.0
112.90	950.0
113.90	187.0
114.50	349.0
115.10	540.0
116.00	5172.0
117.00	81328.0
118.00	6333.0
118.90	720.0
120.00	1281.0
121.10	393.0
121.90	5982.0
123.00	8626.0
124.00	3984.0
125.00	4283.0
127.00	334656.0
128.00	23720.0
129.00	125880.0
130.00	10495.0
130.90	2473.0

132.00	1061.0
132.90	748.0
134.00	3750.0
135.00	10614.0
136.00	3921.0
137.00	6450.0
137.90	1465.0
138.90	661.0
139.90	1660.0
141.00	16584.0
142.00	5732.0
143.00	3518.0
144.00	1075.0
145.00	998.0
146.00	2959.0
147.00	8538.0
148.00	21752.0
149.00	4420.0
149.90	1302.0
151.00	2513.0
152.00	1233.0
153.00	5286.0
154.00	3692.0
155.00	9147.0
156.00	14407.0
157.00	2711.0
158.00	3213.0
158.90	2564.0
160.00	5415.0
161.00	8177.0
161.90	2329.0
163.00	750.0
163.90	1010.0
164.90	6108.0
165.90	5324.0
167.00	37104.0
168.00	21696.0
169.00	3341.0
169.90	1077.0
170.90	1786.0
172.00	3160.0
173.00	4282.0
174.00	7616.0
175.00	13722.0
176.00	4055.0
176.90	5779.0
178.00	2053.0
179.00	24608.0
180.00	18216.0
181.00	8283.0
182.00	1362.0
183.00	685.0
184.00	2256.0
185.00	11787.0
186.00	95280.0
187.00	27896.0
188.10	2910.0
188.90	5773.0
189.90	807.0
191.00	3469.0
192.00	7566.0
193.00	8924.0
194.00	1813.0
195.00	1152.0
196.00	21056.0
198.00	729472.0
198.90	45336.0
200.00	3692.0
201.50	3552.0
202.90	4709.0
204.00	25776.0
205.00	42384.0
206.00	182912.0
207.00	24480.0
208.00	6636.0
209.00	2541.0
211.00	6986.0
212.90	482.0
215.00	1702.0
216.00	4132.0
217.00	46592.0
218.00	5593.0
219.00	541.0
221.00	31912.0
221.80	7149.0
223.00	11192.0
224.00	101072.0
225.00	24664.0
226.00	2905.0
226.90	38088.0
228.00	6314.0
229.00	9233.0
229.90	1154.0
231.00	3473.0
231.90	512.0
232.90	832.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

234.00	2732.0
235.00	3241.0
236.00	2269.0
237.00	4075.0
238.00	698.0
239.00	1525.0
239.90	1306.0
241.00	2484.0
242.00	6043.0
243.00	7123.0
244.10	84264.0
245.10	10924.0
246.00	16160.0
247.00	3059.0
247.90	603.0
249.00	2655.0
249.90	640.0
251.00	533.0
252.00	774.0
252.90	1874.0
255.00	457856.0
256.00	66416.0
257.00	4685.0
258.00	26000.0
259.00	3962.0
260.00	694.0
260.90	476.0
262.80	322.0
264.00	651.0
265.00	10309.0
266.00	1284.0
266.90	252.0
270.00	412.0
271.00	1211.0
272.00	1425.0
273.00	13951.0
274.00	37984.0
275.00	213504.0
276.00	25416.0
277.00	17664.0
277.90	3061.0
278.90	750.0
281.00	908.0
282.00	605.0
283.00	2001.0
284.00	1490.0
285.00	2867.0
286.10	457.0
289.00	717.0
289.90	638.0
291.00	545.0
291.90	746.0
293.00	3822.0
294.00	1191.0
295.00	1055.0
296.00	60152.0
297.00	7024.0
297.90	451.0
300.90	895.0
301.90	991.0
303.00	7061.0
304.00	2230.0
305.00	351.0
308.00	792.0
308.90	641.0
310.00	1144.0
311.00	208.0
311.80	317.0
312.90	609.0
314.00	2997.0
315.00	6971.0
316.00	3789.0
317.00	547.0
321.00	2016.0
322.00	1360.0
323.00	15767.0
324.00	3066.0
324.90	424.0
326.00	432.0
326.90	4225.0
327.90	1851.0
329.00	493.0
331.90	1276.0
333.00	1975.0
334.00	12646.0
334.90	3196.0
336.00	533.0
338.90	436.0
339.80	280.0
341.00	2008.0
341.90	642.0
342.90	202.0
346.00	4639.0
347.10	725.0
347.90	154.0
350.80	279.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

352.00	6107.0
353.00	5250.0
354.00	5912.0
354.90	1503.0
359.00	546.0
360.90	156.0
364.90	25176.0
366.00	4295.0
367.10	176.0
370.00	781.0
371.00	1709.0
371.90	8799.0
373.00	2850.0
373.90	279.0
377.00	331.0
383.00	2974.0
383.90	949.0
384.90	340.0
389.90	1370.0
390.90	1069.0
392.00	601.0
397.00	171.0
400.80	676.0
402.00	4707.0
403.00	6259.0
404.00	2669.0
405.00	520.0
409.90	395.0
414.90	299.0
419.90	312.0
421.00	6000.0
422.00	5662.0
423.00	42488.0
424.00	10854.0
425.10	1307.0
437.80	189.0
438.90	292.0
441.10	111904.0
442.00	656576.0
442.90	126264.0
444.00	12825.0
444.90	717.0

Instrument :
BNA_N
ClientSampleId :
DFTPP278

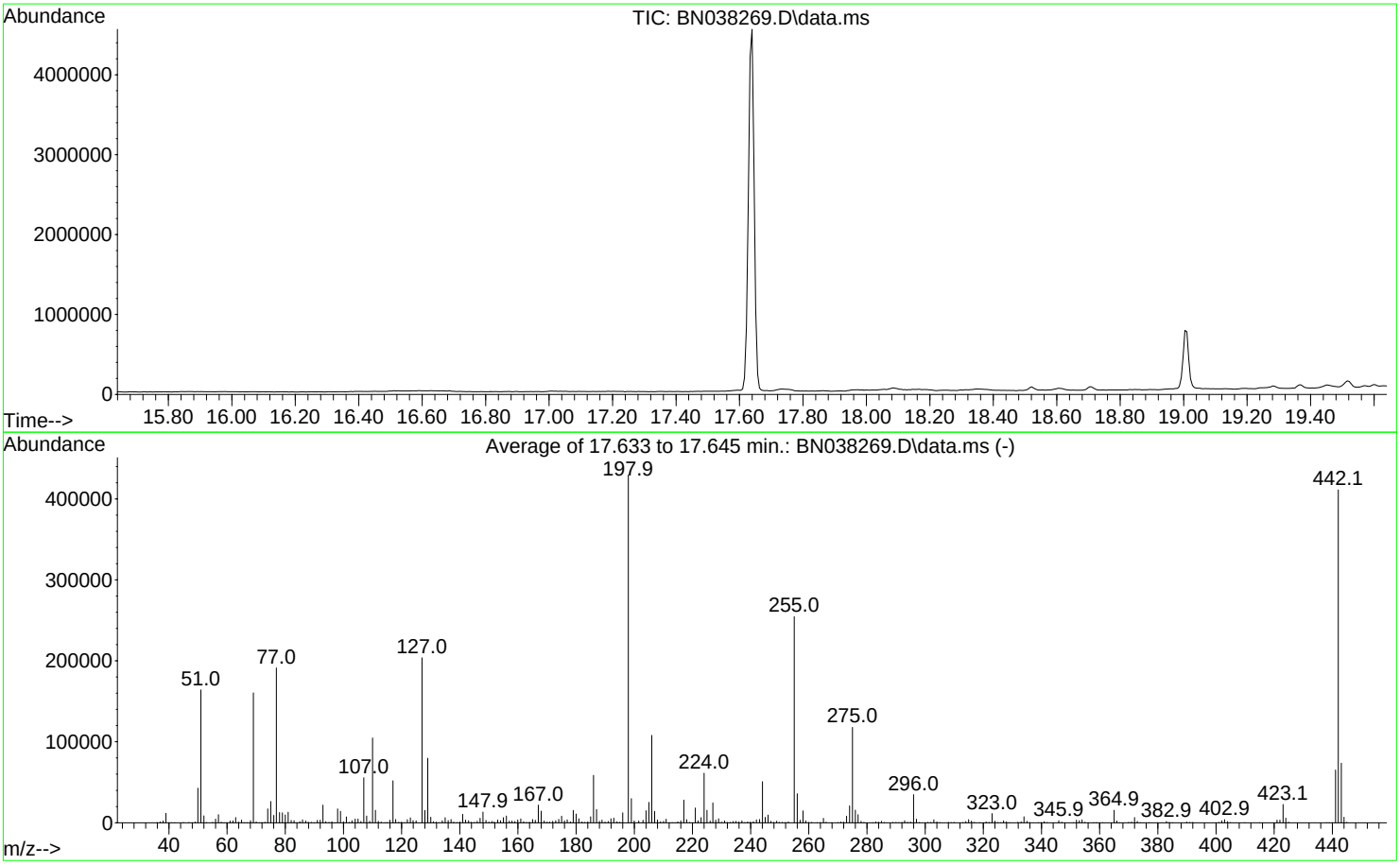
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038269.D
Acq On : 05 Dec 2025 11:26
Operator : RC/JU
Sample : DFTPP279
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DFTPP279

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 01 16:36:13 2025



AutoFind: Scans 2473, 2474, 2475; Background Corrected with Scan 2466

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.2	164151	PASS
68	69	0.00	2	1.6	2596	PASS
69	198	0.00	100	37.3	160389	PASS
70	69	0.00	2	0.6	955	PASS
127	198	10	80	47.5	203904	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	429694	PASS
199	198	5	9	6.9	29848	PASS
275	198	10	60	27.4	117941	PASS
365	198	1	100	3.6	15484	PASS
441	198	0.01	100	15.2	65123	PASS
442	198	50	100	95.7	411349	PASS
443	442	15	24	17.9	73491	PASS

Scan 2466 (17.592 min): BN038269.D\data.ms
DFTPP279

Instrument :
BNA_N
ClientSampleId :
DFTPP279

m/z	Abundance
38.90	807.0
39.90	3514.0
41.10	1745.0
42.00	381.0
43.00	2237.0
44.00	3681.0
45.00	258.0
49.00	876.0
49.90	244.0
51.00	406.0
53.00	222.0
54.00	297.0
55.00	1874.0
56.10	661.0
57.00	2745.0
58.10	171.0
59.00	241.0
62.90	212.0
64.90	237.0
66.00	155.0
67.00	626.0
68.00	310.0
69.00	1072.0
70.10	473.0
71.10	1256.0
73.00	1556.0
73.90	190.0
75.00	170.0
76.90	447.0
78.00	315.0
79.00	439.0
81.00	536.0
82.00	578.0
83.00	890.0
84.00	987.0
85.00	1148.0
85.90	417.0
91.00	670.0
92.00	248.0
92.90	295.0
94.00	197.0
95.00	371.0
96.00	351.0
97.00	851.0
98.10	328.0
99.10	468.0
102.80	159.0
105.10	410.0
107.10	312.0
107.90	188.0
108.90	179.0
111.00	351.0
112.10	205.0
115.00	387.0
115.90	194.0
117.10	368.0
119.00	326.0
120.80	168.0
121.20	183.0
128.10	255.0
129.10	350.0
130.90	187.0
132.90	584.0
134.90	279.0
139.00	235.0
141.10	172.0
142.00	279.0
145.00	272.0
147.00	519.0
149.00	207.0
152.00	278.0
165.10	283.0
165.90	167.0
167.10	209.0
170.90	152.0
178.10	204.0
179.10	161.0
189.10	201.0
191.00	443.0
191.90	202.0
192.90	380.0
196.90	218.0
198.10	322.0
204.10	182.0
206.10	167.0
207.00	2682.0
208.00	744.0
209.00	236.0
221.00	291.0
222.90	158.0
266.90	278.0
281.00	853.0

Scan 2473 (17.633 min): BN038269.D\data.ms
DFTPP279

Instrument :
BNA_N
ClientSampleId :
DFTPP279

m/z	Abundance
35.90	286.0
37.00	1123.0
38.00	2507.0
39.00	15555.0
40.00	3661.0
41.00	1605.0
42.00	620.0
43.10	1718.0
44.00	3881.0
44.90	512.0
46.90	234.0
47.90	296.0
49.00	2100.0
50.00	53648.0
51.00	200704.0
52.00	10383.0
52.90	683.0
54.00	234.0
55.00	2444.0
56.00	6277.0
57.00	14486.0
58.00	914.0
58.90	437.0
59.90	179.0
61.00	2393.0
62.00	2946.0
63.00	7743.0
63.90	989.0
65.00	4125.0
66.10	387.0
67.00	877.0
68.10	3428.0
69.00	194112.0
70.00	1526.0
71.10	1322.0
72.10	288.0
73.00	2607.0
74.00	20648.0
75.00	31432.0
76.10	11121.0
77.00	230656.0
78.10	15246.0
79.00	14916.0
80.00	11471.0
81.00	15735.0
82.00	4140.0
83.00	4127.0
83.90	1137.0
85.10	2882.0
86.00	4651.0
87.00	2186.0
87.90	866.0
89.00	548.0
90.00	201.0
91.00	4034.0
92.00	3961.0
93.00	26080.0
94.00	1936.0
95.10	1160.0
96.00	1795.0
97.00	978.0
98.00	20328.0
99.00	17856.0
100.00	1572.0
101.00	8346.0
101.90	511.0
103.00	2912.0
104.00	5365.0
105.00	5978.0
106.00	2077.0
107.00	65320.0
108.00	9921.0
109.10	2402.0
110.00	123768.0
111.00	18472.0
112.00	2352.0
112.90	1041.0
114.20	227.0
114.90	443.0
116.00	3793.0
117.00	59392.0
118.00	4448.0
119.00	1045.0
120.00	812.0
121.10	538.0
122.00	4493.0
123.00	7017.0
124.00	3203.0
125.00	2698.0
127.00	239104.0
128.00	18480.0
129.00	95104.0

130.00	7824.0
131.00	1647.0
132.00	843.0
133.00	704.0
133.90	2883.0
135.00	7575.0
136.00	3192.0
137.00	4984.0
137.90	794.0
138.90	513.0
140.00	1230.0
141.00	11826.0
142.10	4074.0
143.00	2794.0
144.00	860.0
145.00	912.0
146.00	1967.0
147.00	6609.0
148.00	14921.0
149.00	3614.0
150.00	1074.0
151.10	1650.0
151.90	1410.0
153.00	3867.0
154.00	2950.0
155.00	7080.0
156.00	9974.0
157.00	2385.0
158.00	2466.0
159.00	1948.0
159.90	3637.0
161.00	5536.0
161.90	1564.0
163.00	595.0
163.80	659.0
165.00	4298.0
166.00	3450.0
167.00	24440.0
168.00	16093.0
169.00	2356.0
170.00	854.0
171.00	1260.0
171.90	1956.0
173.00	2947.0
174.00	5036.0
175.00	9248.0
176.00	2547.0
177.00	4175.0
178.00	1695.0
179.00	17152.0
180.00	12132.0
181.00	5391.0
182.10	959.0
182.90	690.0
184.00	1596.0
185.00	7906.0
186.00	63960.0
187.00	18160.0
188.00	1940.0
188.90	4087.0
189.90	910.0
191.00	1814.0
192.00	5672.0
193.00	6439.0
194.00	1216.0
194.90	684.0
196.00	14508.0
198.00	466816.0
199.00	34656.0
200.00	2449.0
201.50	2427.0
203.00	3095.0
204.00	17112.0
205.00	27504.0
206.00	116424.0
207.00	17416.0
208.00	4213.0
209.00	1699.0
210.00	1710.0
211.00	4548.0
213.00	407.0
214.90	1324.0
216.00	2444.0
217.00	29264.0
218.00	3962.0
219.00	411.0
221.00	20384.0
221.90	4132.0
223.00	6893.0
224.00	66480.0
225.00	16341.0
226.00	2405.0
227.00	26456.0
228.00	4202.0
229.00	5136.0
229.90	684.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

231.00	2517.0
231.90	393.0
233.00	448.0
234.00	1532.0
234.90	2188.0
235.90	1138.0
237.00	2868.0
238.00	299.0
239.00	1040.0
239.90	1016.0
241.00	1474.0
242.00	3836.0
243.00	4011.0
244.10	52248.0
245.00	6912.0
246.00	10142.0
247.00	2093.0
247.90	476.0
249.00	1793.0
249.90	446.0
250.90	436.0
252.00	314.0
253.00	913.0
255.00	267648.0
256.00	36840.0
257.00	2990.0
258.00	15357.0
259.00	2550.0
260.00	490.0
261.00	665.0
262.90	183.0
264.00	384.0
265.00	5683.0
265.90	746.0
267.00	241.0
270.00	496.0
271.00	753.0
271.90	845.0
273.00	8177.0
274.00	19752.0
275.00	116472.0
276.00	15717.0
277.00	10532.0
278.00	1997.0
278.90	421.0
281.00	821.0
281.90	489.0
283.00	1191.0
284.00	760.0
285.00	1708.0
285.90	389.0
288.90	491.0
290.00	433.0
290.90	379.0
292.00	612.0
293.00	2376.0
293.90	777.0
295.00	647.0
296.00	34744.0
297.00	4477.0
298.00	324.0
301.00	565.0
301.90	592.0
303.00	3864.0
304.00	1069.0
305.00	219.0
307.90	611.0
308.90	273.0
309.90	456.0
313.00	340.0
314.00	1434.0
314.90	3385.0
315.90	2230.0
316.90	383.0
320.90	1004.0
322.00	600.0
323.00	11027.0
324.00	2011.0
325.00	280.0
327.00	2423.0
328.00	1327.0
331.90	867.0
333.00	1192.0
334.00	6982.0
335.00	1822.0
335.90	248.0
339.80	209.0
341.00	1514.0
341.90	360.0
346.00	2693.0
346.90	595.0
352.00	3168.0
353.00	2592.0
354.00	4098.0
354.90	893.0
358.90	231.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

361.00	163.0
365.00	13639.0
365.90	2025.0
366.90	161.0
370.00	411.0
371.00	815.0
372.00	5933.0
372.90	1502.0
374.00	160.0
377.00	197.0
383.00	1579.0
383.90	357.0
389.90	591.0
391.00	446.0
391.90	364.0
401.00	317.0
402.00	2090.0
403.00	3675.0
403.90	1296.0
405.00	233.0
420.90	3062.0
421.90	2864.0
423.00	20800.0
424.00	4812.0
424.90	789.0
438.90	288.0
441.10	55568.0
442.00	345600.0
443.00	69312.0
444.00	6592.0
444.90	440.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

Scan 2474 (17.639 min): BN038269.D\data.ms
DFTPP279

Instrument :
BNA_N
ClientSampleId :
DFTPP279

m/z	Abundance
36.10	265.0
37.00	1108.0
38.00	2462.0
39.00	13803.0
40.00	3827.0
41.00	1961.0
42.10	451.0
43.00	1933.0
44.00	3700.0
45.00	601.0
46.80	260.0
48.00	186.0
49.00	1771.0
50.00	48696.0
51.00	189952.0
52.00	9730.0
53.00	529.0
54.00	234.0
55.00	2551.0
56.00	6083.0
57.00	14299.0
58.00	853.0
58.90	450.0
59.90	316.0
61.00	2672.0
62.00	2711.0
63.00	7986.0
64.00	903.0
65.00	4026.0
66.00	329.0
67.00	674.0
68.10	3378.0
69.00	187072.0
70.00	1630.0
71.10	1313.0
73.00	2314.0
74.00	19944.0
75.00	30840.0
76.00	10420.0
77.00	221248.0
78.00	15000.0
79.00	15033.0
80.00	11089.0
81.00	16038.0
82.00	3784.0
83.00	3900.0
84.00	1117.0
85.00	2807.0
86.00	4776.0
87.00	2425.0
87.90	694.0
89.00	522.0
89.80	157.0
91.00	4082.0
92.00	3953.0
93.00	26048.0
93.90	1577.0
95.10	844.0
96.00	1757.0
97.10	1132.0
98.00	19264.0
99.00	15952.0
100.00	1462.0
101.00	8486.0
102.00	634.0
103.00	3324.0
104.00	5196.0
105.00	5655.0
106.00	1659.0
107.00	65600.0
108.00	10033.0
109.00	2215.0
110.00	120600.0
111.00	18392.0
112.00	2594.0
113.00	988.0
114.90	722.0
116.00	4099.0
117.00	60632.0
117.90	4546.0
119.00	1070.0
120.00	867.0
120.90	568.0
121.90	4562.0
123.00	6887.0
123.90	2987.0
125.00	2849.0
127.00	234752.0
128.00	17656.0
129.00	92496.0
130.00	8148.0
131.00	1972.0

132.00	902.0
133.00	915.0
134.00	2908.0
135.00	8142.0
136.00	3123.0
137.00	4550.0
137.90	959.0
139.00	715.0
140.00	1468.0
141.00	12370.0
142.00	4125.0
143.00	2988.0
144.00	827.0
145.10	739.0
146.00	2173.0
147.00	6727.0
147.90	16206.0
149.00	3689.0
150.00	888.0
151.00	1698.0
151.70	1096.0
153.00	3865.0
154.00	2854.0
155.00	6695.0
156.00	8986.0
157.00	2389.0
157.90	2267.0
158.90	1724.0
160.00	4103.0
160.90	5672.0
162.00	1811.0
162.90	604.0
164.00	736.0
165.00	5281.0
166.00	3920.0
167.00	25176.0
168.00	16080.0
169.10	2641.0
170.00	1008.0
171.00	908.0
172.00	2331.0
173.00	2764.0
174.00	4295.0
175.00	9504.0
176.00	2988.0
177.00	4023.0
178.00	1484.0
179.00	18464.0
180.00	12314.0
180.90	5834.0
182.00	1209.0
182.90	512.0
184.00	1476.0
185.00	9010.0
186.00	70264.0
187.00	19192.0
188.00	2017.0
188.90	3856.0
190.00	954.0
191.00	2599.0
192.00	6064.0
193.00	7743.0
194.00	1470.0
195.00	936.0
196.00	13236.0
197.90	513216.0
199.00	33368.0
200.00	2621.0
201.50	2516.0
203.00	3551.0
204.00	17392.0
205.00	29200.0
206.00	123536.0
207.00	20328.0
208.00	4814.0
209.00	1535.0
210.00	2292.0
210.90	5398.0
213.00	371.0
215.00	1492.0
216.00	2989.0
217.00	32784.0
218.00	4767.0
219.10	492.0
221.00	21456.0
223.00	7039.0
224.00	72112.0
225.00	17896.0
226.10	2299.0
227.00	28848.0
228.00	3628.0
229.00	5729.0
230.00	872.0
231.00	2670.0
232.00	522.0
233.00	808.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

234.00	1789.0
234.90	1924.0
236.00	1242.0
237.00	2680.0
238.00	400.0
239.00	1305.0
239.90	1164.0
240.90	1869.0
242.00	3902.0
243.10	5013.0
244.00	59440.0
245.00	8082.0
246.00	10717.0
246.90	2027.0
247.90	448.0
248.90	2388.0
249.90	456.0
250.90	626.0
251.90	520.0
252.90	1332.0
255.00	309120.0
256.00	43248.0
257.00	4345.0
258.00	16744.0
258.90	2573.0
259.80	458.0
261.00	629.0
262.90	162.0
263.90	372.0
265.00	6333.0
266.00	824.0
266.90	199.0
267.90	178.0
269.90	227.0
271.00	1248.0
272.00	891.0
273.00	9777.0
274.00	24840.0
275.00	145280.0
276.00	18672.0
276.90	11614.0
277.90	1776.0
279.00	420.0
281.00	734.0
282.00	372.0
283.00	1381.0
284.00	1081.0
285.00	2098.0
286.00	303.0
288.90	328.0
290.00	469.0
291.00	469.0
292.00	676.0
293.00	3001.0
294.00	826.0
295.00	951.0
296.00	41040.0
297.00	5386.0
298.00	219.0
301.00	531.0
302.00	705.0
303.00	4300.0
304.00	1333.0
304.90	254.0
308.00	469.0
308.90	317.0
310.00	377.0
312.90	292.0
314.00	1760.0
314.90	4634.0
316.00	2402.0
317.00	477.0
318.90	157.0
321.00	1356.0
321.90	470.0
323.00	12936.0
324.00	2375.0
325.00	214.0
326.00	315.0
326.90	2875.0
327.90	1380.0
328.90	175.0
331.90	797.0
333.00	1228.0
334.00	8669.0
335.00	2293.0
336.00	342.0
338.90	212.0
339.90	245.0
341.00	1897.0
342.00	474.0
345.90	2759.0
347.00	662.0
351.00	389.0
352.00	3772.0
353.00	3134.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

354.00	3717.0
355.00	842.0
356.00	168.0
358.90	218.0
361.00	177.0
364.90	18440.0
365.90	2450.0
369.90	564.0
371.00	1004.0
372.00	7634.0
373.00	1921.0
373.90	217.0
377.00	209.0
382.90	1871.0
383.90	480.0
385.10	160.0
389.90	1047.0
391.00	803.0
392.10	596.0
400.90	410.0
402.00	2705.0
402.90	4743.0
404.00	1838.0
404.90	367.0
414.90	217.0
421.00	3963.0
422.00	3731.0
423.10	25240.0
424.00	7030.0
425.00	779.0
438.90	283.0
440.00	608.0
441.10	78392.0
442.00	481024.0
443.00	81888.0
444.00	7651.0
445.00	592.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

282.00	239.0
341.00	187.0
355.10	218.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

Scan 2475 (17.645 min): BN038269.D\data.ms
DFTPP279

Instrument :
BNA_N
ClientSampleId :
DFTPP279

m/z	Abundance
35.90	158.0
36.90	662.0
38.00	1608.0
39.00	8204.0
40.00	3500.0
41.00	2139.0
42.00	350.0
43.00	2322.0
44.00	3386.0
44.90	384.0
46.90	204.0
49.00	1399.0
50.00	26336.0
51.00	103016.0
52.00	5384.0
52.90	513.0
54.00	211.0
55.00	2108.0
56.00	3440.0
57.00	9481.0
58.00	608.0
59.00	324.0
61.00	1446.0
62.00	1386.0
63.00	4153.0
64.00	493.0
65.00	2194.0
66.00	300.0
67.00	793.0
68.10	1913.0
69.00	103200.0
70.00	1128.0
71.10	1305.0
71.80	185.0
73.00	1985.0
74.00	11264.0
75.00	17272.0
76.00	5878.0
77.00	123384.0
78.00	8388.0
79.00	8152.0
79.90	6247.0
81.00	8623.0
82.00	2778.0
83.00	2249.0
84.00	1231.0
85.10	1937.0
86.00	3001.0
87.00	1716.0
87.90	559.0
89.00	343.0
89.90	243.0
91.00	2568.0
92.00	2361.0
93.00	14349.0
93.90	1215.0
95.00	771.0
96.00	1078.0
97.10	999.0
98.00	12496.0
99.00	9747.0
99.90	941.0
101.00	4583.0
102.00	370.0
103.00	1764.0
103.90	3233.0
105.00	3459.0
106.10	1007.0
107.00	36800.0
108.00	5465.0
109.00	1394.0
110.00	69888.0
111.00	10226.0
111.90	1278.0
112.90	537.0
115.00	648.0
116.00	2457.0
117.00	36656.0
118.00	2931.0
119.10	802.0
120.00	678.0
121.00	454.0
122.00	2483.0
123.00	4121.0
123.90	1991.0
125.00	1714.0
127.00	137856.0
128.00	10436.0
129.00	52648.0
130.00	4569.0
131.00	1053.0
131.90	838.0

133.10	653.0
133.90	1936.0
135.00	4088.0
135.90	1664.0
136.90	2728.0
138.10	465.0
139.00	398.0
140.00	661.0
140.90	7296.0
142.00	2525.0
143.00	1797.0
143.80	434.0
145.10	404.0
146.00	1467.0
147.00	4761.0
148.00	8676.0
149.00	2193.0
150.00	656.0
151.00	1233.0
151.90	764.0
153.00	2598.0
154.00	1976.0
155.00	4756.0
156.00	5831.0
157.00	1370.0
158.00	1495.0
158.90	932.0
160.00	2655.0
161.00	3196.0
161.90	1104.0
162.90	474.0
164.20	519.0
165.00	3210.0
166.00	2179.0
167.00	16167.0
168.00	10837.0
169.00	1405.0
170.00	503.0
170.90	850.0
171.90	1243.0
173.00	1710.0
174.00	3284.0
175.00	5655.0
176.00	1651.0
176.90	2745.0
178.00	1180.0
179.00	10876.0
180.00	7939.0
181.00	3788.0
182.00	781.0
182.90	282.0
184.00	838.0
185.00	4997.0
186.00	41536.0
187.00	11590.0
188.00	1249.0
188.90	2707.0
190.00	591.0
191.00	1527.0
192.00	3663.0
193.00	3924.0
194.10	969.0
195.10	656.0
196.00	8793.0
197.90	310016.0
199.00	21520.0
199.90	1802.0
201.40	1560.0
203.00	2509.0
204.00	10916.0
205.00	18896.0
206.00	84232.0
207.00	12840.0
208.00	3353.0
208.90	1076.0
210.10	1467.0
211.00	3258.0
212.10	395.0
213.00	257.0
214.00	151.0
214.90	983.0
216.00	1727.0
217.00	21528.0
218.00	2609.0
219.00	457.0
221.00	13846.0
221.90	2865.0
223.00	5255.0
224.00	45128.0
225.00	11874.0
226.00	1500.0
227.00	18616.0
228.00	2092.0
229.00	4223.0
229.90	485.0
231.00	1660.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

231.90	343.0
233.00	391.0
234.00	1324.0
235.00	1484.0
236.00	941.0
237.00	1696.0
237.90	211.0
238.90	800.0
239.90	554.0
241.00	1126.0
242.00	2967.0
243.00	2908.0
244.00	40328.0
245.00	4915.0
246.00	7315.0
246.90	1424.0
247.90	379.0
249.00	1741.0
249.90	405.0
251.00	315.0
252.00	229.0
252.90	856.0
255.00	186944.0
256.00	27184.0
257.00	2054.0
258.00	12147.0
258.90	1759.0
259.90	308.0
260.90	361.0
264.00	283.0
265.00	4591.0
266.00	604.0
267.00	168.0
270.00	287.0
270.90	500.0
271.90	680.0
273.00	6278.0
274.00	18136.0
275.00	92072.0
276.00	12234.0
277.00	8056.0
278.00	1331.0
278.90	419.0
281.00	754.0
282.00	387.0
282.90	732.0
283.90	815.0
285.00	1675.0
285.90	270.0
288.90	393.0
290.00	346.0
292.00	309.0
292.90	2058.0
294.00	558.0
294.90	727.0
296.00	28304.0
297.00	3149.0
298.00	385.0
300.80	409.0
301.90	386.0
303.00	2966.0
304.00	701.0
305.10	182.0
307.90	422.0
308.90	412.0
310.00	367.0
312.80	269.0
313.90	1292.0
315.00	3367.0
315.90	1884.0
316.80	396.0
320.90	848.0
322.00	458.0
323.00	10069.0
324.00	1639.0
324.90	198.0
326.90	1477.0
328.00	971.0
331.90	622.0
333.00	1034.0
334.00	6317.0
335.00	1529.0
335.80	239.0
338.90	160.0
339.80	173.0
340.90	1149.0
341.90	267.0
346.00	1987.0
346.90	491.0
351.00	159.0
352.00	2868.0
353.00	1891.0
353.90	2888.0
355.00	668.0
357.90	166.0
358.90	287.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

364.90	14374.0
365.90	2013.0
366.90	184.0
370.00	417.0
370.90	979.0
372.00	5761.0
373.00	1125.0
374.00	170.0
382.90	1482.0
384.00	596.0
384.90	158.0
390.00	775.0
391.00	462.0
391.90	419.0
400.90	521.0
402.00	2170.0
403.00	3332.0
403.90	1102.0
404.90	279.0
409.90	211.0
415.00	276.0
421.00	2917.0
422.00	2986.0
423.00	21672.0
424.00	5063.0
425.00	633.0
438.00	160.0
441.10	61408.0
442.10	407424.0
443.10	69272.0
444.00	6495.0
444.90	429.0

Instrument :
BNA_N
ClientSampleId :
DFTPP279

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK718

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170718BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038251.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

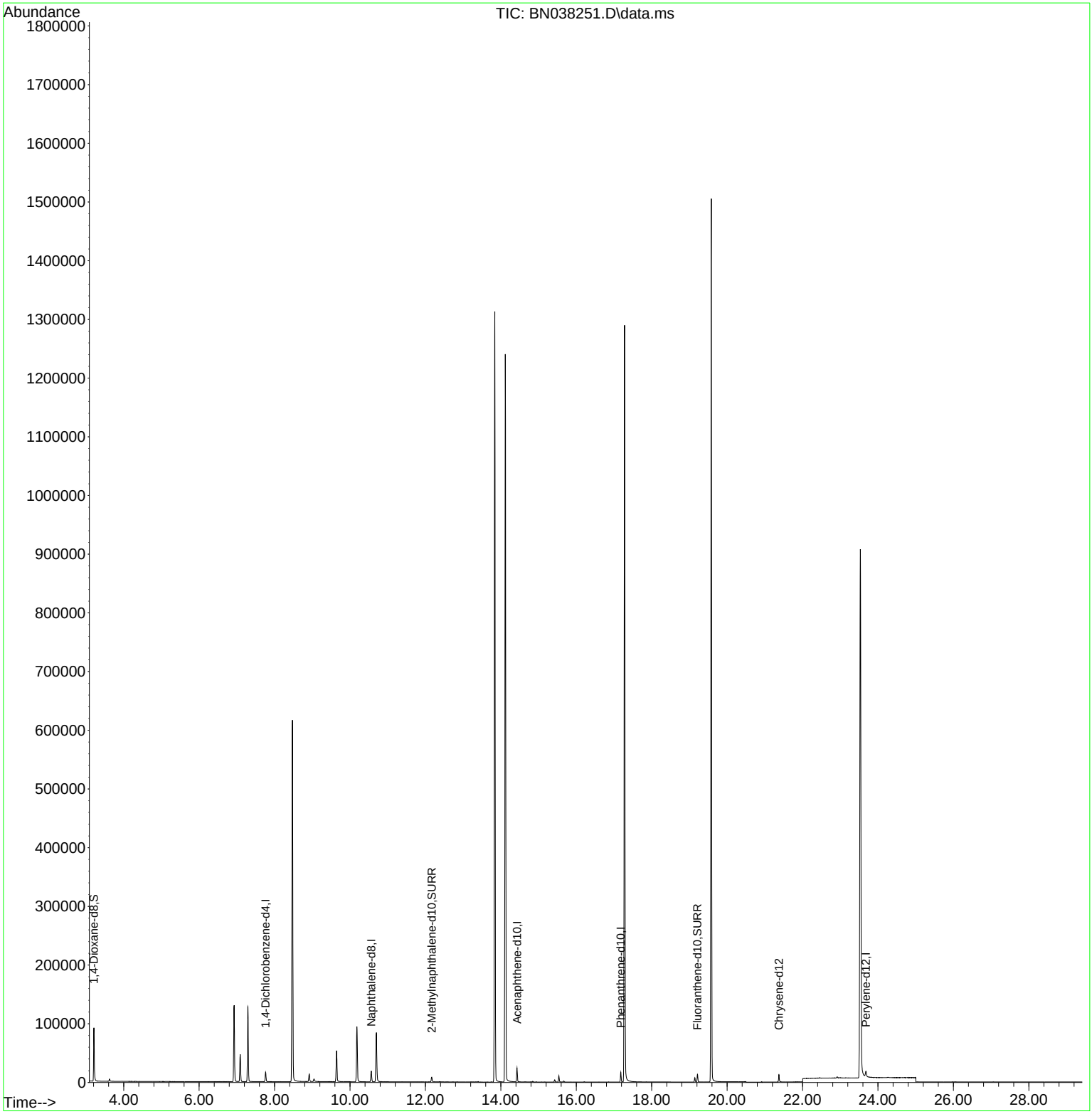
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038251.D
Acq On : 02 Dec 2025 12:48
Operator : RC/JU
Sample : PB170718BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 03 00:21:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK718

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:34 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038251.D
Acq On : 02 Dec 2025 12:48
Operator : RC/JU
Sample : PB170718BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK718

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:34 PM

Quant Time: Dec 03 00:21:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8277	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	25091	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.429	164	12425	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	18893m	0.400	ng/ul	0.00
17) Chrysene-d12	21.375	240	12697m	0.400	ng/ul	0.00
23) Perylene-d12	23.681	264	18424	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	54996	6.332	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.168	152	11344	0.317	ng/ul	0.00
18) Fluoranthene-d10	19.212	212	14112	0.286	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

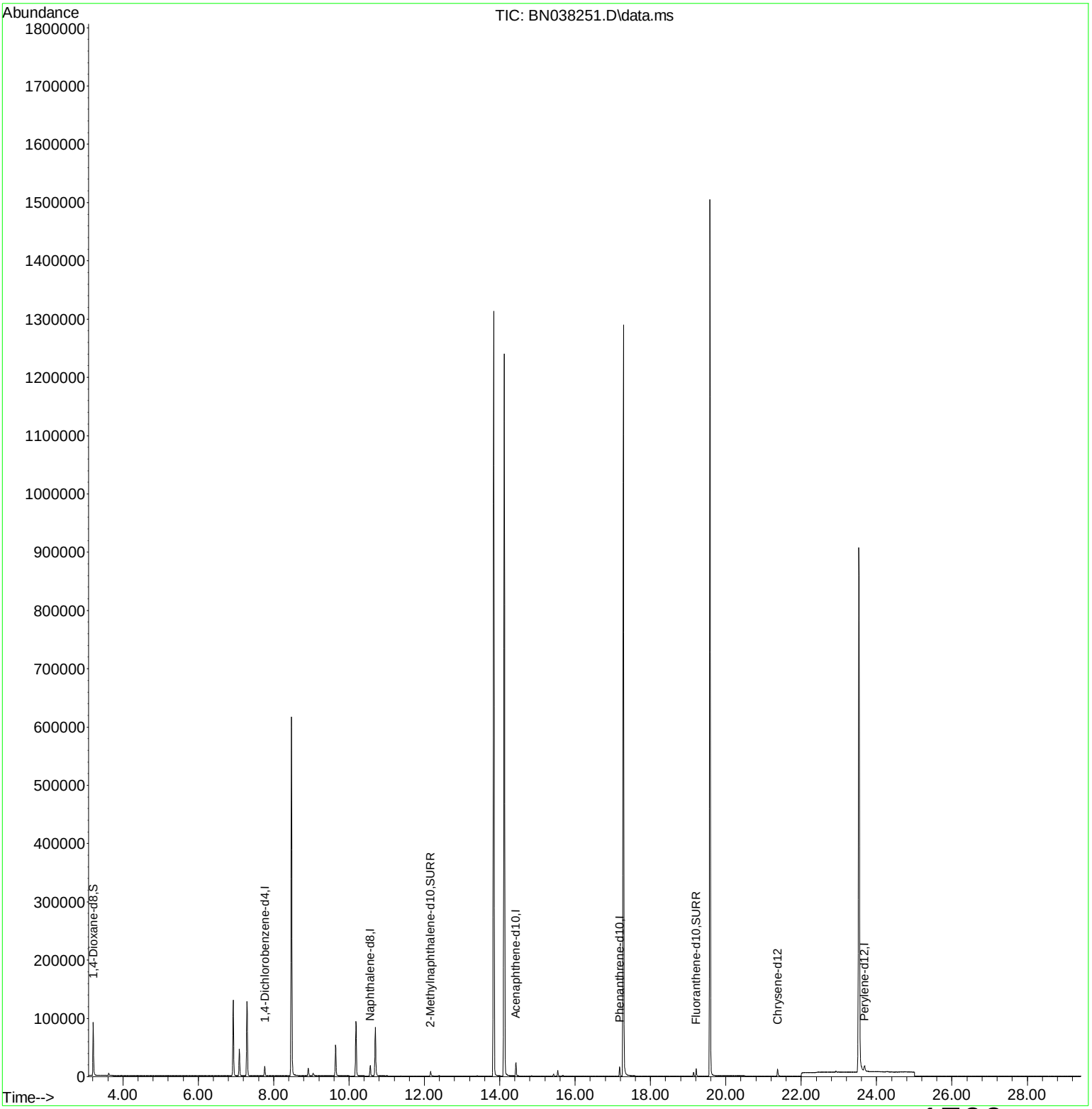
Quantitation Report (QT Reviewed)

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Data File : BN038251.D
Acq On : 02 Dec 2025 12:48
Operator : RC/JU
Sample : PB170718BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 03 00:21:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK718

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:34 PM



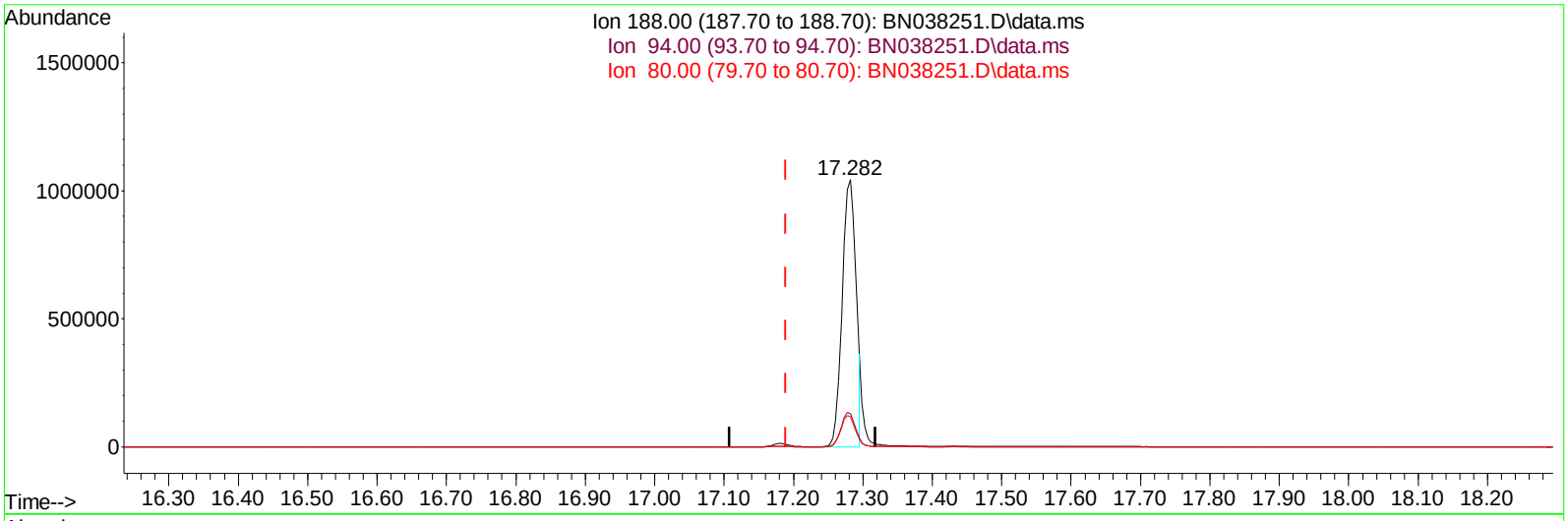
Quantitation Report (Qedit)

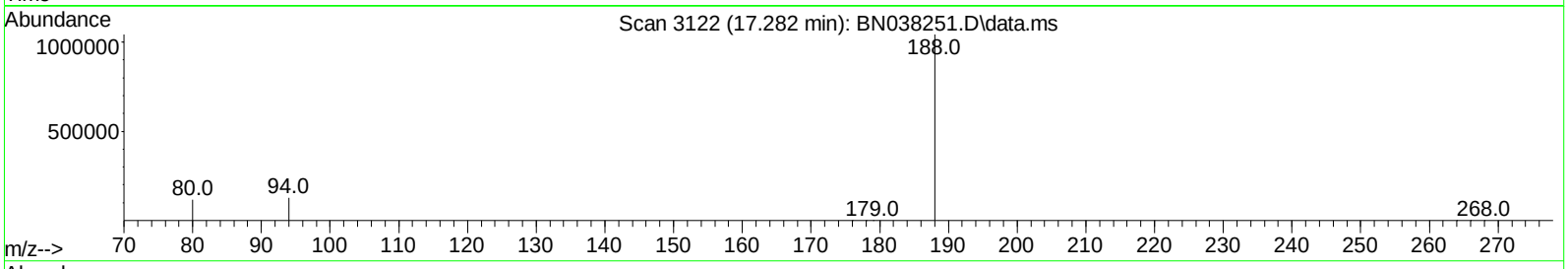
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Data File : BN038251.D
Acq On : 02 Dec 2025 12:48
Operator : RC/JU
Sample : PB170718BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

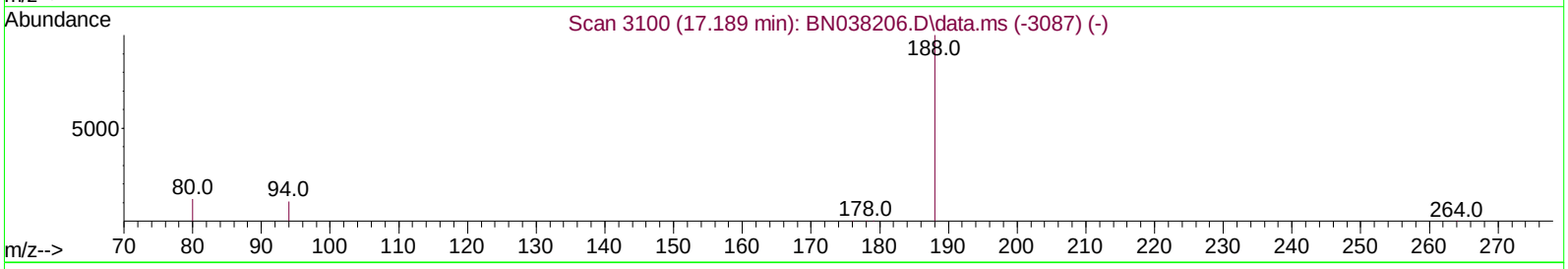
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK718

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:34 PM







TIC: BN038251.D\data.ms

(13) Phenanthrene-d10 (I)

17.282min (+ 0.093) 0.40 ng/ul

response 1433180

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.31
80.00	12.20	11.21
0.00	0.00	0.00

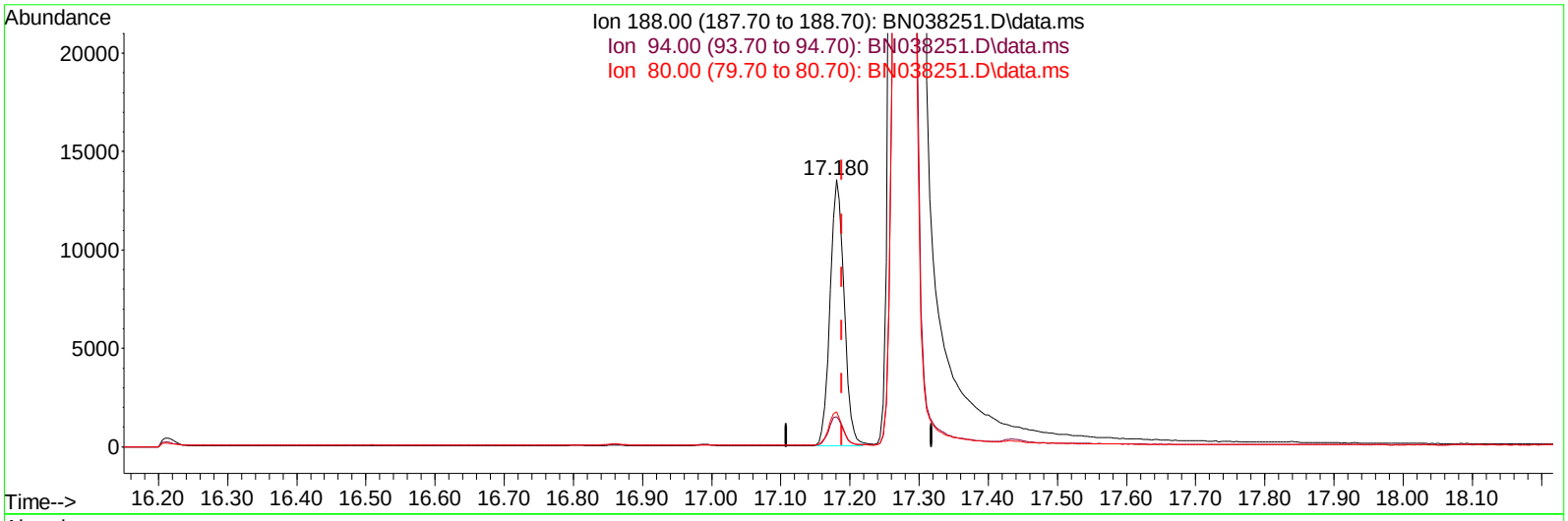
Quantitation Report (Qedit)

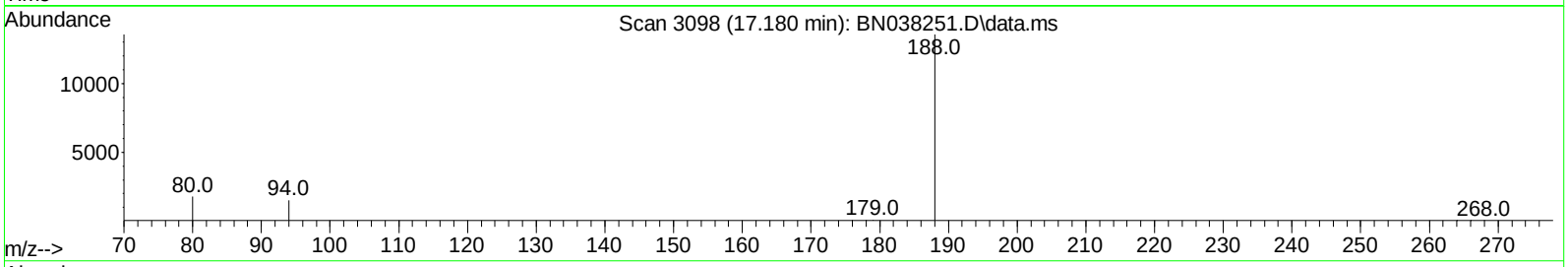
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038251.D
Acq On : 02 Dec 2025 12:48
Operator : RC/JU
Sample : PB170718BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

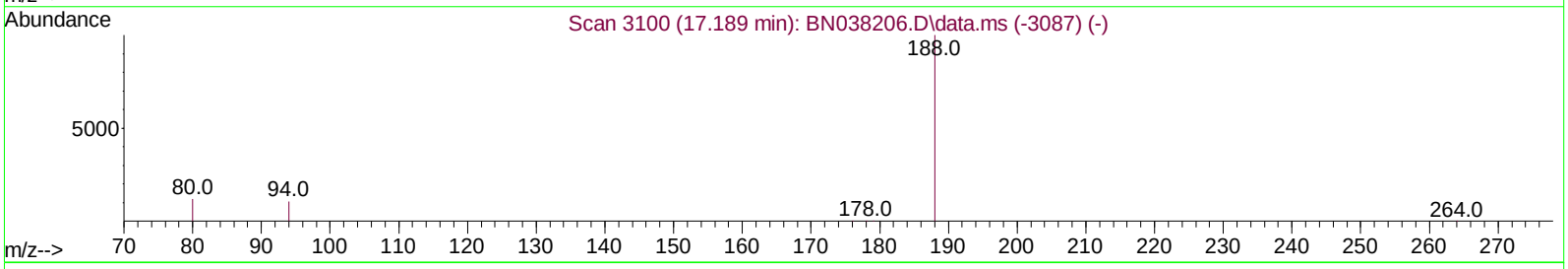
Quant Time: Dec 03 00:21:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK718

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:34 PM







TIC: BN038251.D\data.ms

(13) Phenanthrene-d10 (I)

17.180min (-0.008) 0.40 ng/ul m

response 18893

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.31
80.00	12.20	13.08
0.00	0.00	0.00

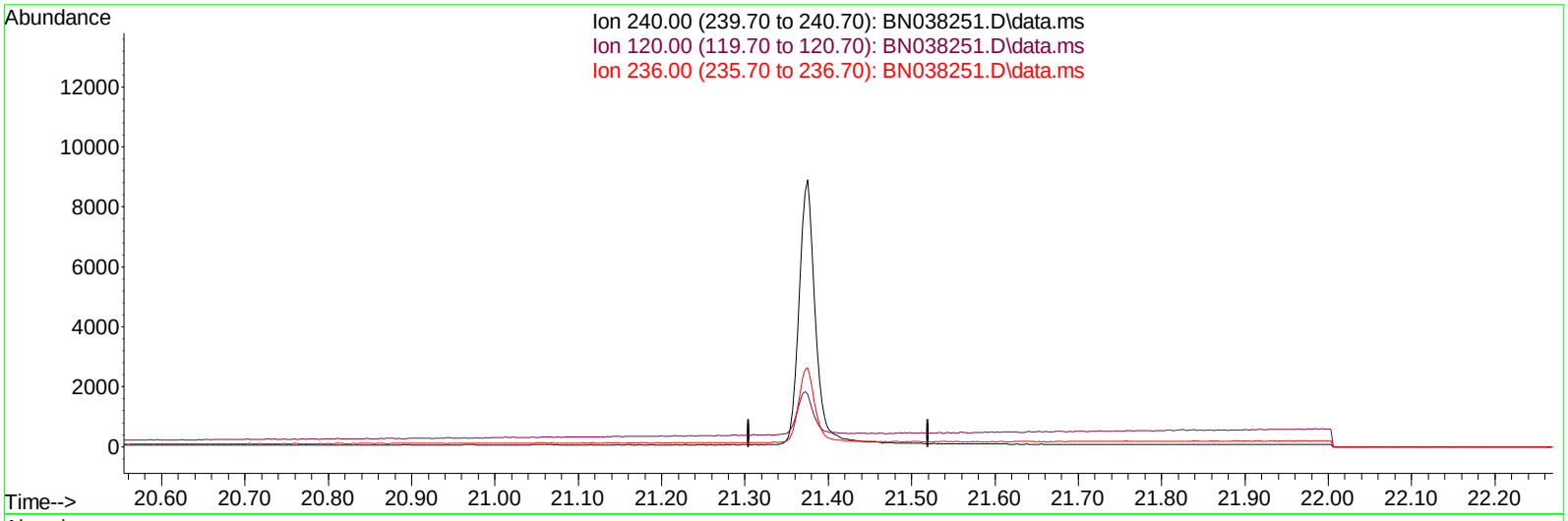
Quantitation Report (Qedit)

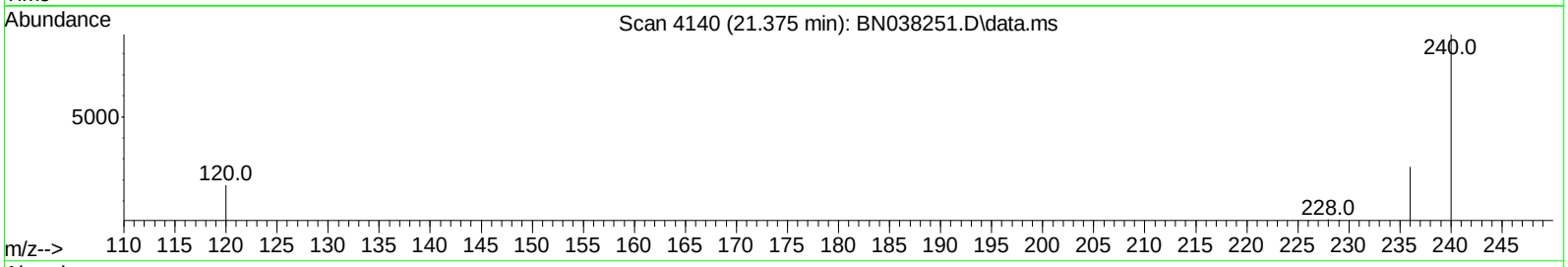
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Data File : BN038251.D
Acq On : 02 Dec 2025 12:48
Operator : RC/JU
Sample : PB170718BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

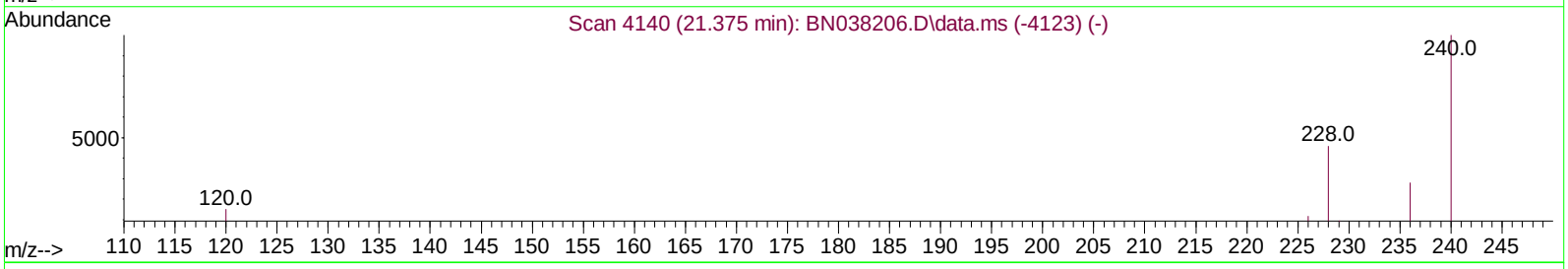
Quant Time: Dec 03 00:21:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK718

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:34 PM







TIC: BN038251.D\data.ms

(17) Chrysene-d12

21.375min (-21.375) 0.00 ng/ul

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	19.90	0.00#
236.00	29.60	0.00#
0.00	0.00	0.00

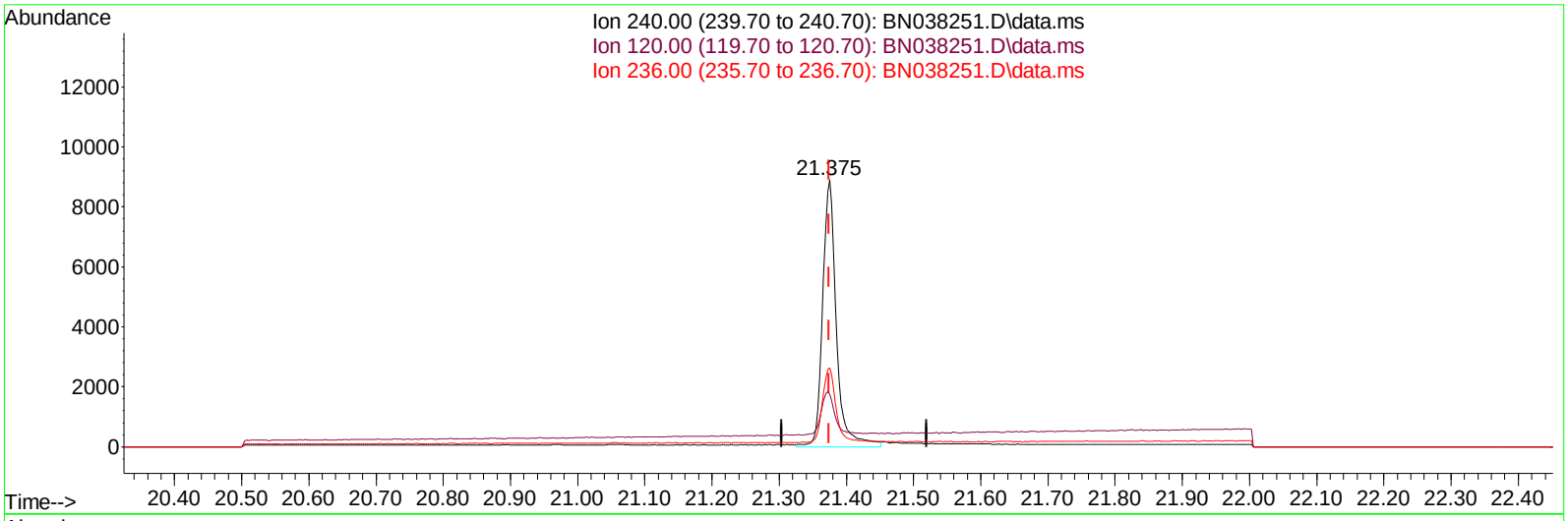
Quantitation Report (Qedit)

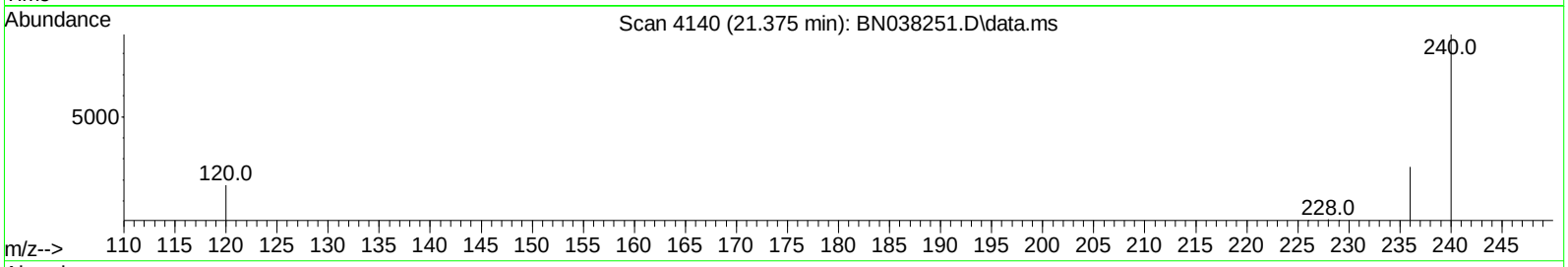
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Data File : BN038251.D
Acq On : 02 Dec 2025 12:48
Operator : RC/JU
Sample : PB170718BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

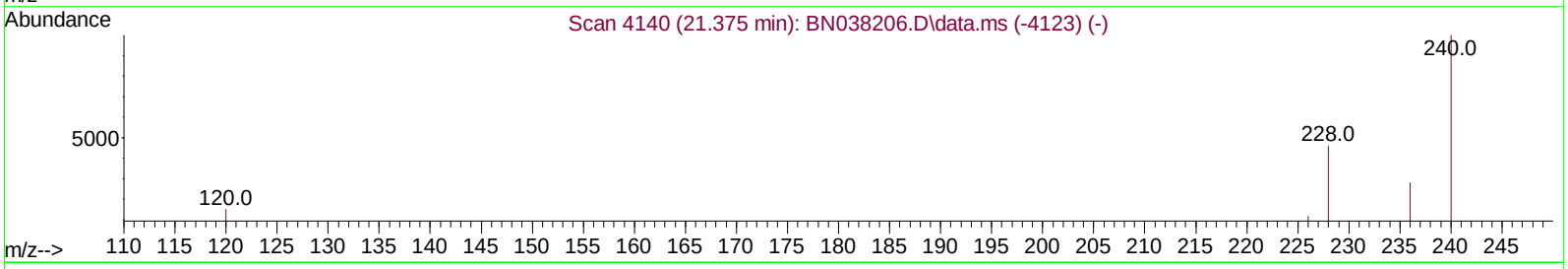
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK718

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:34 PM







TIC: BN038251.D\data.ms

(17) Chrysene-d12

21.375min (+ 0.000) 0.40 ng/ul m

response 12697

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	19.61
236.00	29.60	29.55
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038251.D
Acq On : 02 Dec 2025 12:48
Operator : RC/JU
Sample : PB170718BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK718

Manual Integrations APPROVED
Sohil
12/3/2025 3:28:34 PM

Quant Time: Dec 03 00:21:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8277	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	25091	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.429	164	12425	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	18893m	0.400	ng/ul	0.00
17) Chrysene-d12	21.375	240	12697m	0.400	ng/ul	0.00
23) Perylene-d12	23.681	264	18424	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	54996	6.332	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.168	152	11344	0.317	ng/ul	0.00
18) Fluoranthene-d10	19.212	212	14112	0.286	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK720

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Lanc
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170720BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038271.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

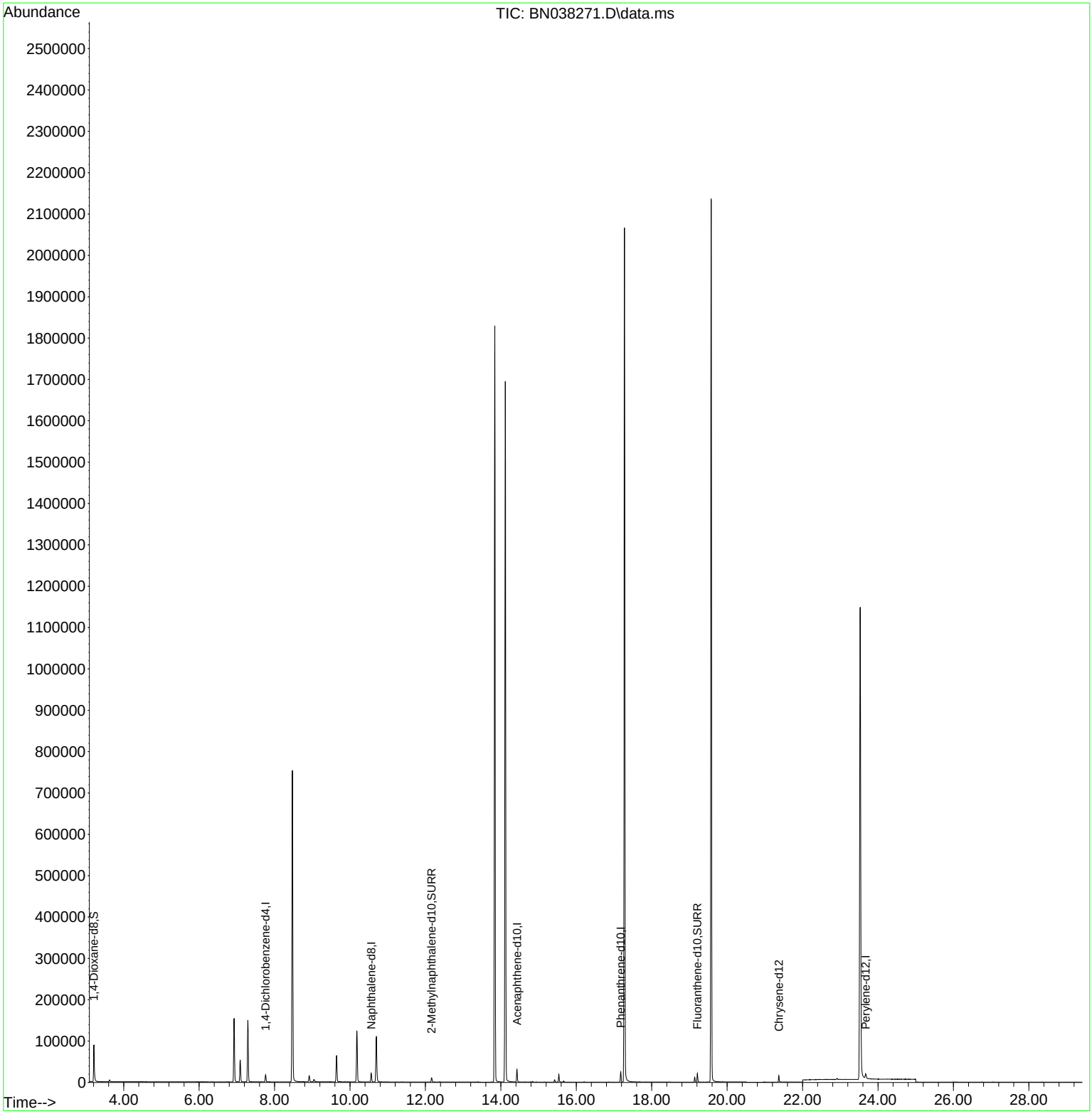
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8704	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	28180	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	16454	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	28511m	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	15359m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	12468m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	59524	6.518	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	14351	0.357	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	22770m	0.381	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

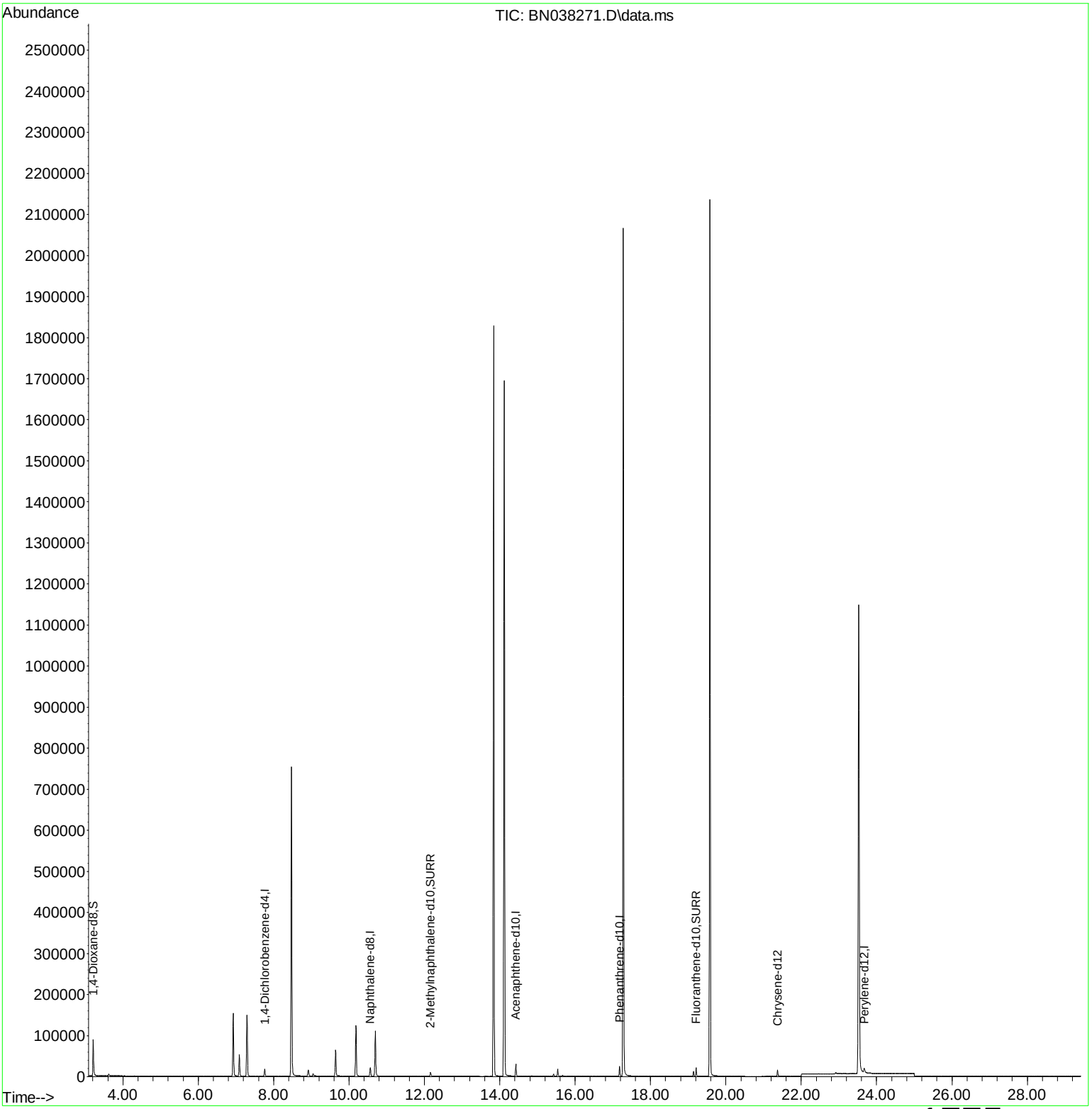
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



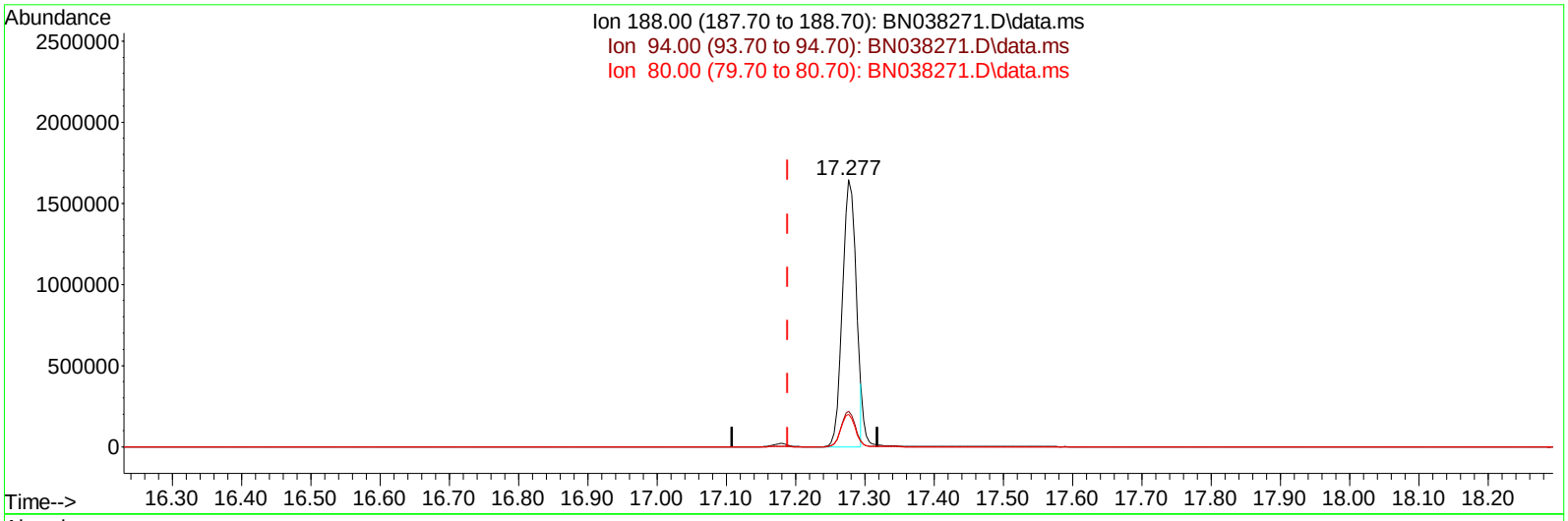
Quantitation Report (Qedit)

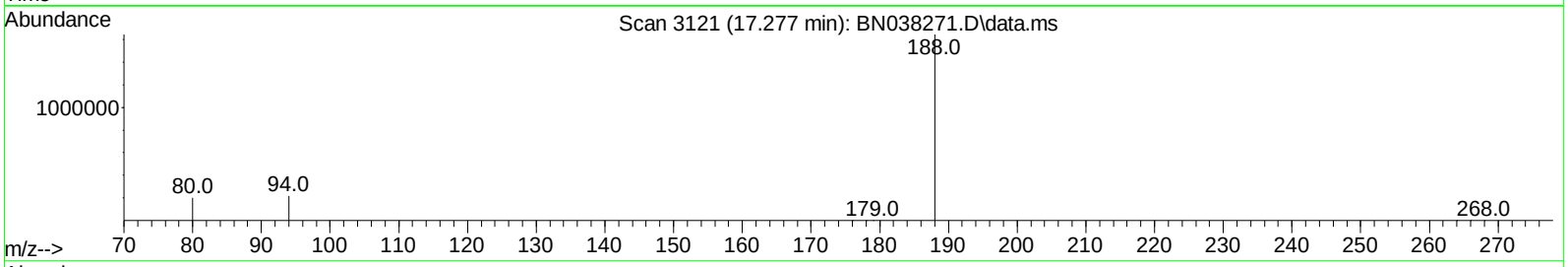
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

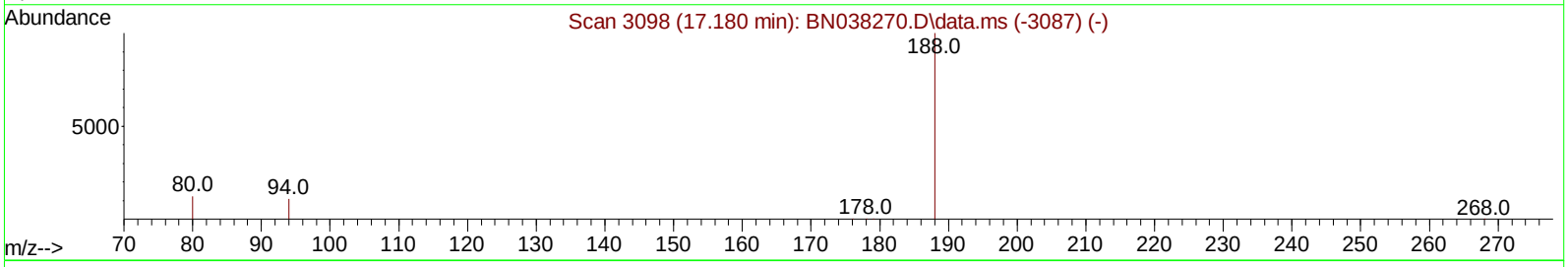
Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038271.D\data.ms

(13) Phenanthrene-d10 (I)

17.277min (+ 0.088) 0.40 ng/ul

response 2255985

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	13.31
80.00	12.20	12.18
0.00	0.00	0.00

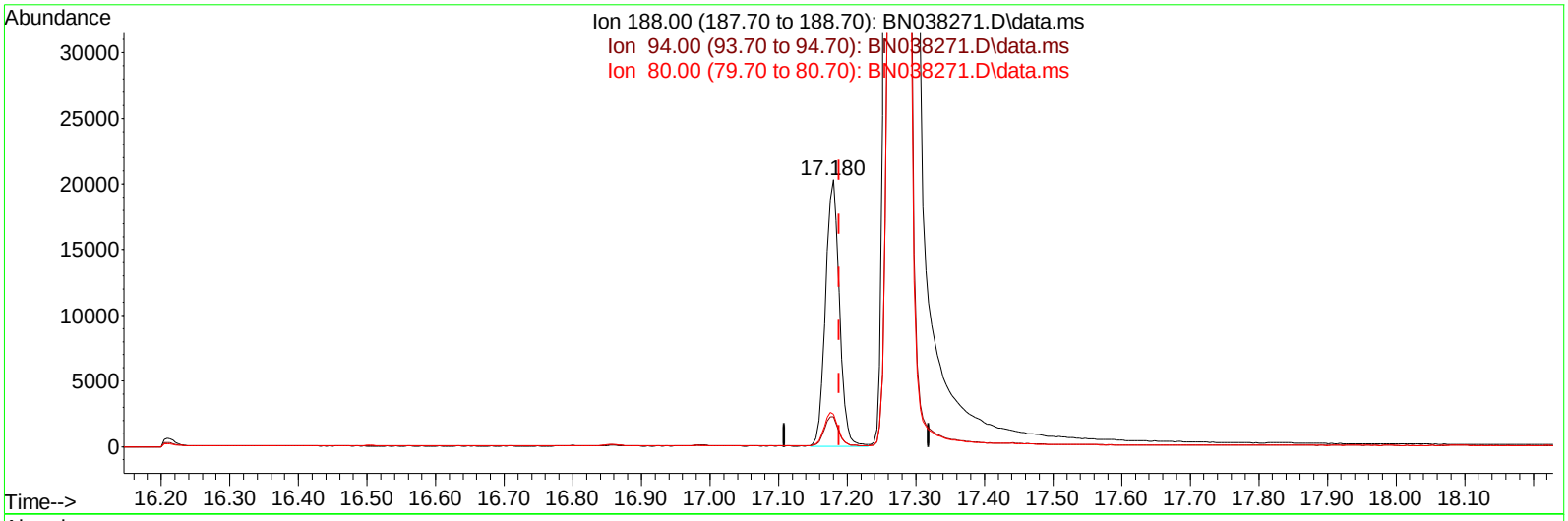
Quantitation Report (Qedit)

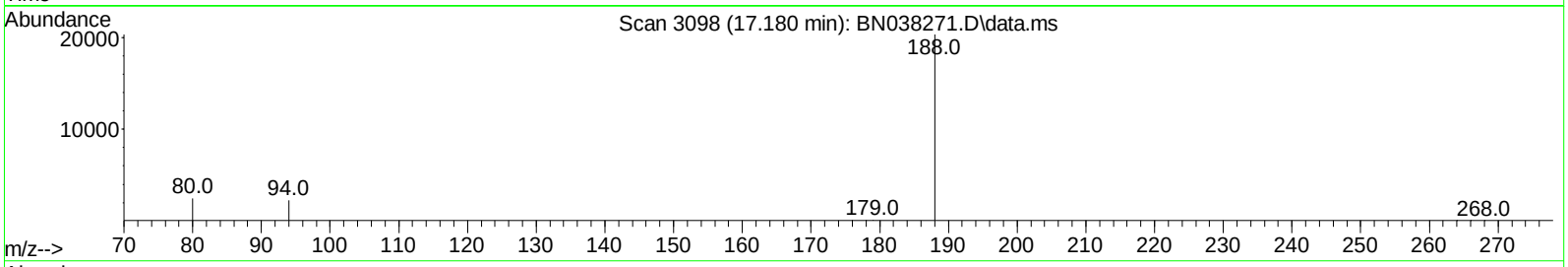
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

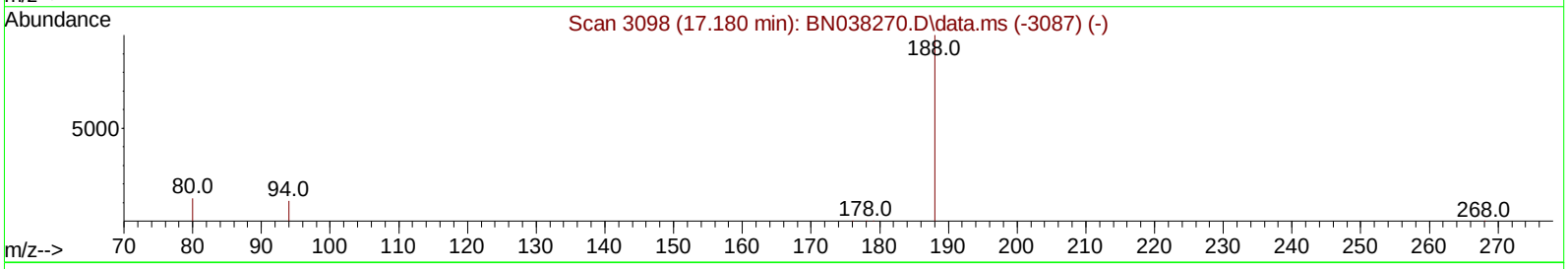
Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038271.D\data.ms

(13) Phenanthrene-d10 (I)

17.180min (-0.009) 0.40 ng/ul m

response 28511

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.18
80.00	12.20	12.15
0.00	0.00	0.00

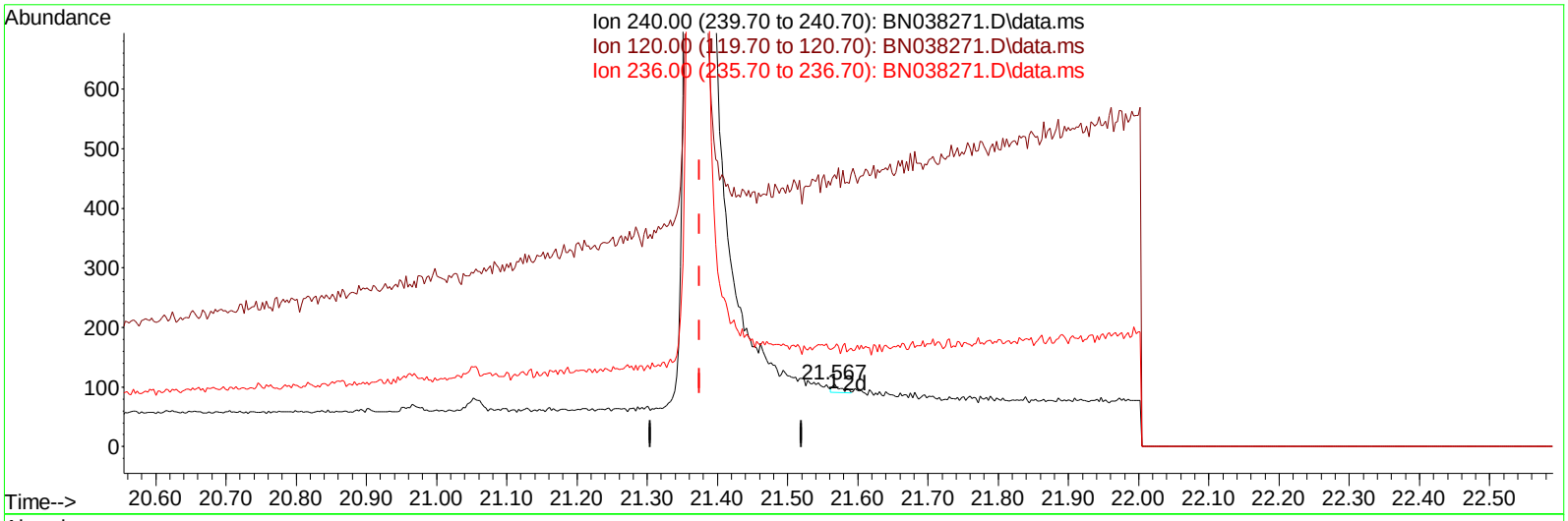
Quantitation Report (Qedit)

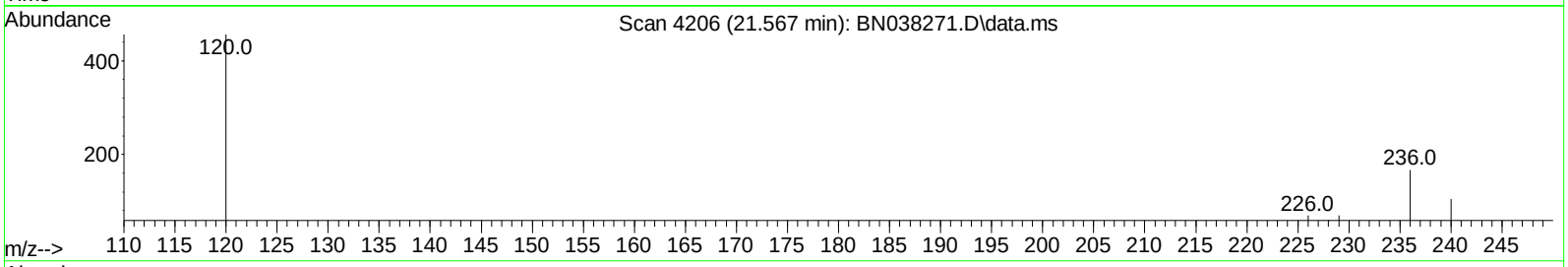
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

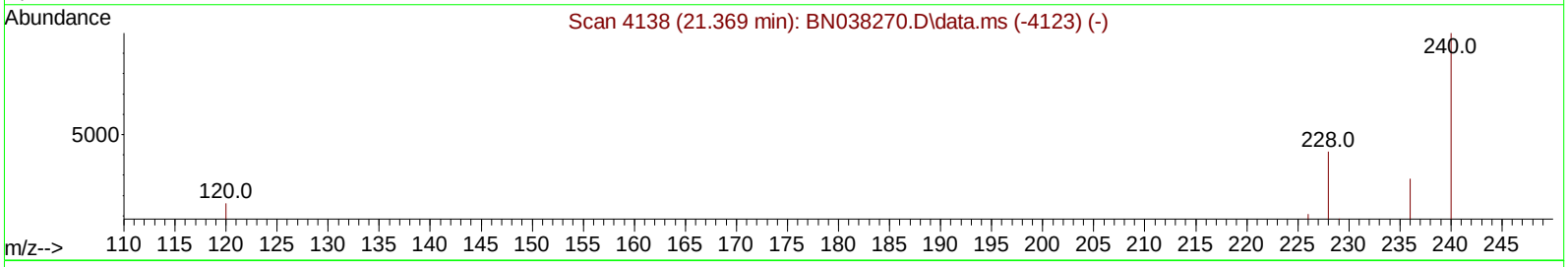
Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
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TIC: BN038271.D\data.ms

(17) Chrysene-d12

21.567min (+ 0.192) 0.40 ng/ul

response 12

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	434.29#
236.00	29.60	159.05#
0.00	0.00	0.00

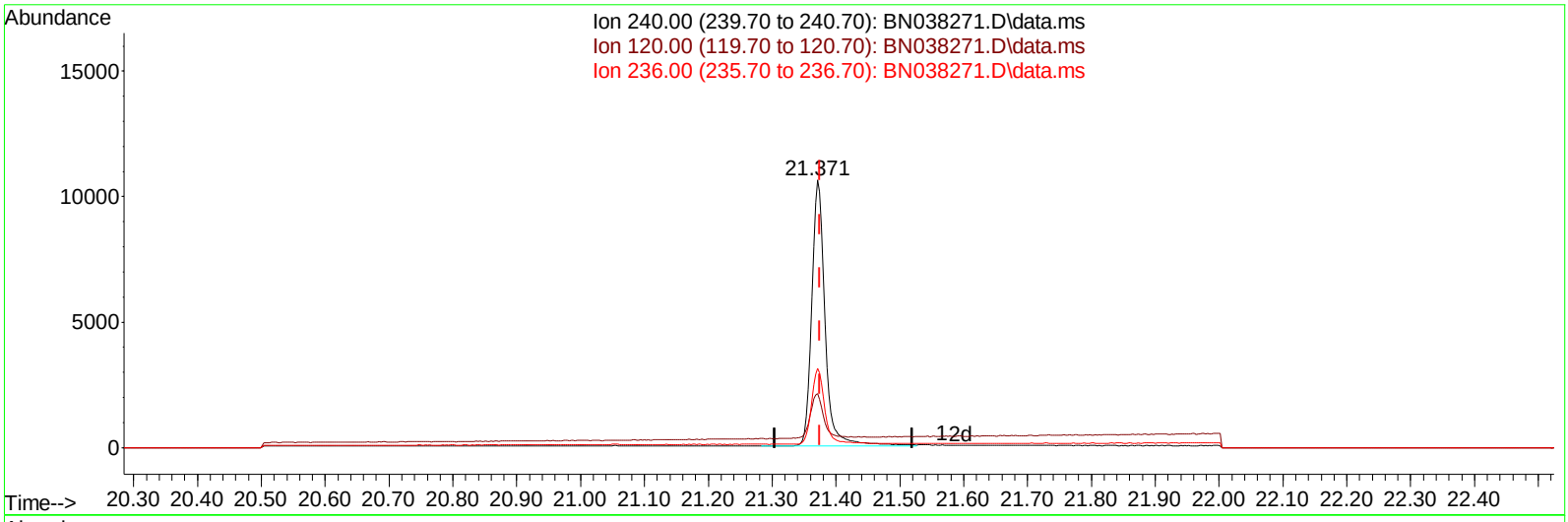
Quantitation Report (Qedit)

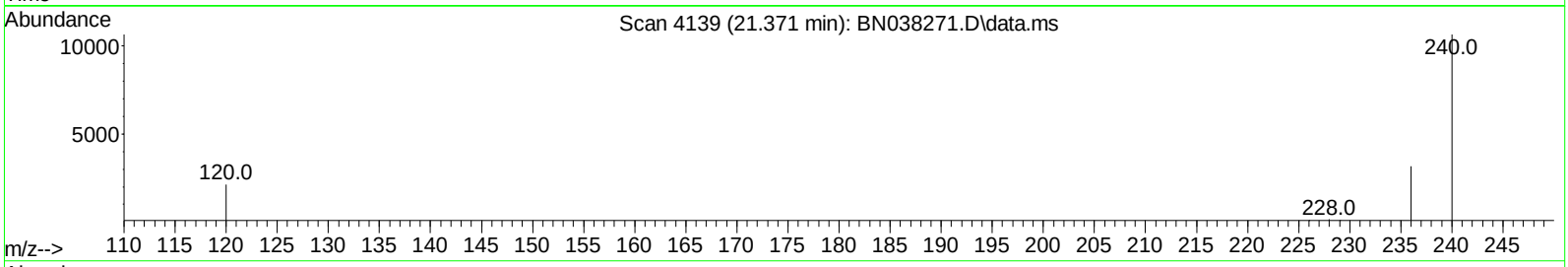
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Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

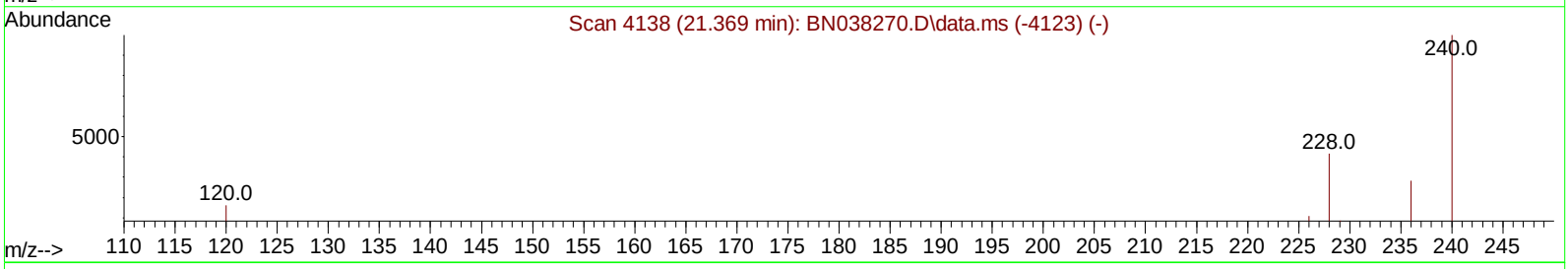
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
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TIC: BN038271.D\data.ms

(17) Chrysene-d12

21.371min (-0.004) 0.40 ng/ul m

response 15359

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	20.09
236.00	29.60	29.69
0.00	0.00	0.00

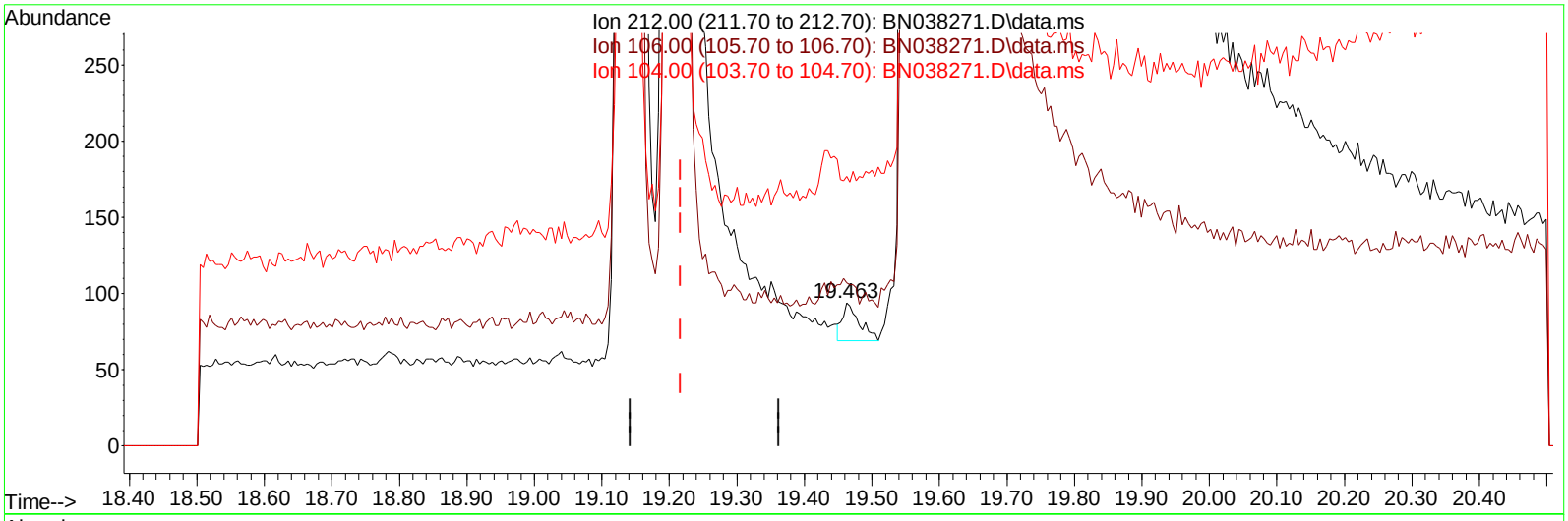
Quantitation Report (Qedit)

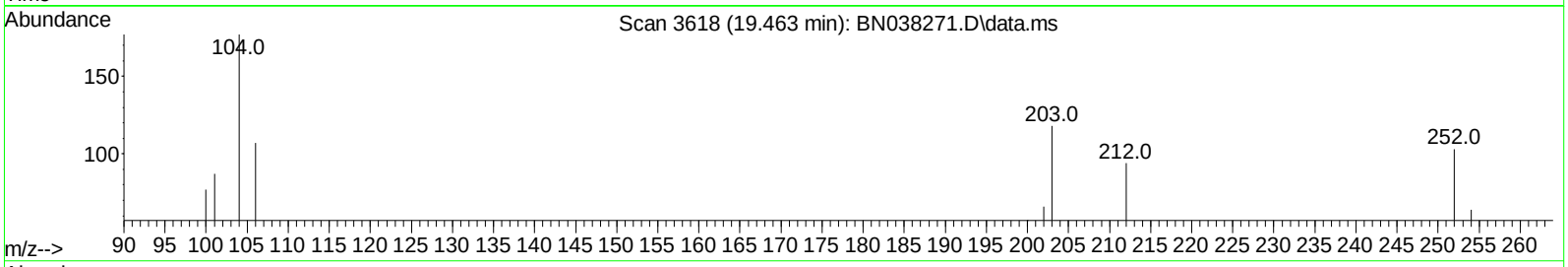
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

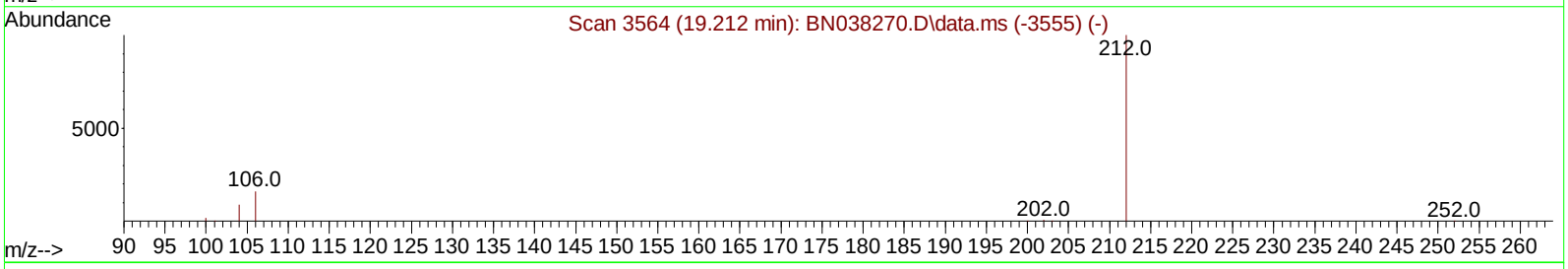
Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
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TIC: BN038271.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.463min (+ 0.246) 0.00 ng/ul

response 43

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	76.74#
104.00	9.20	0.00#
0.00	0.00	0.00

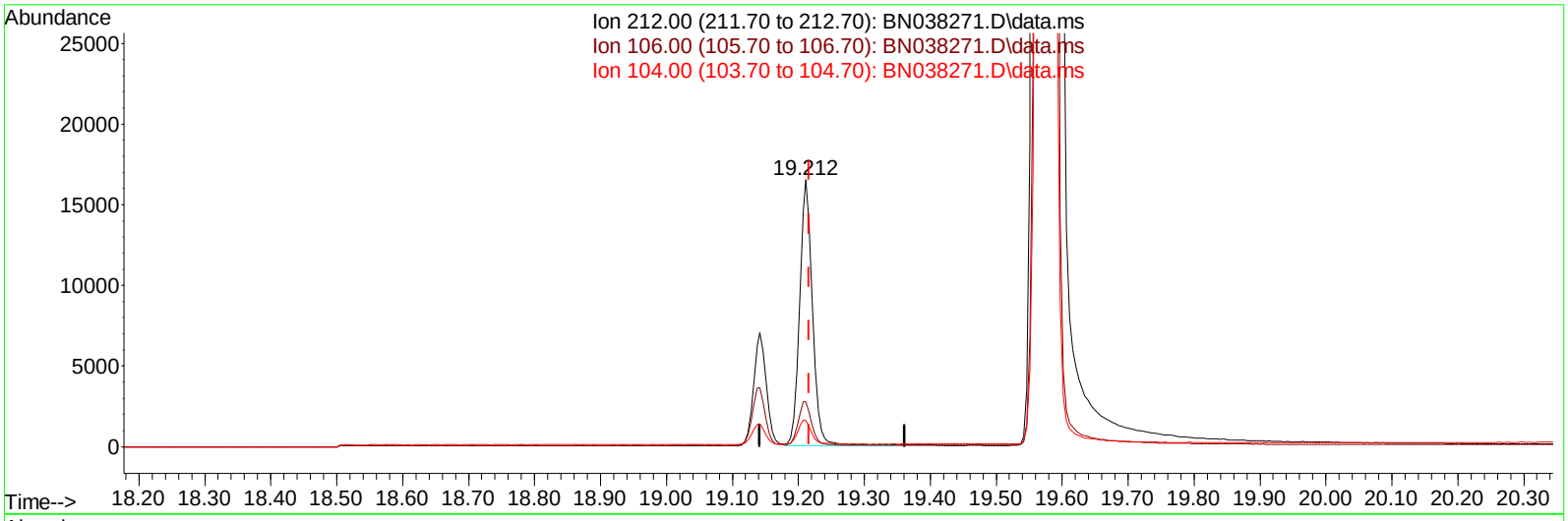
Quantitation Report (Qedit)

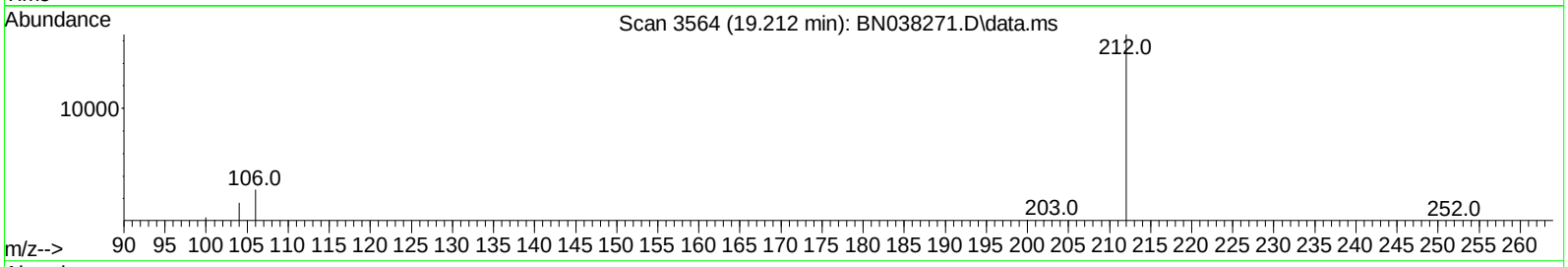
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Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

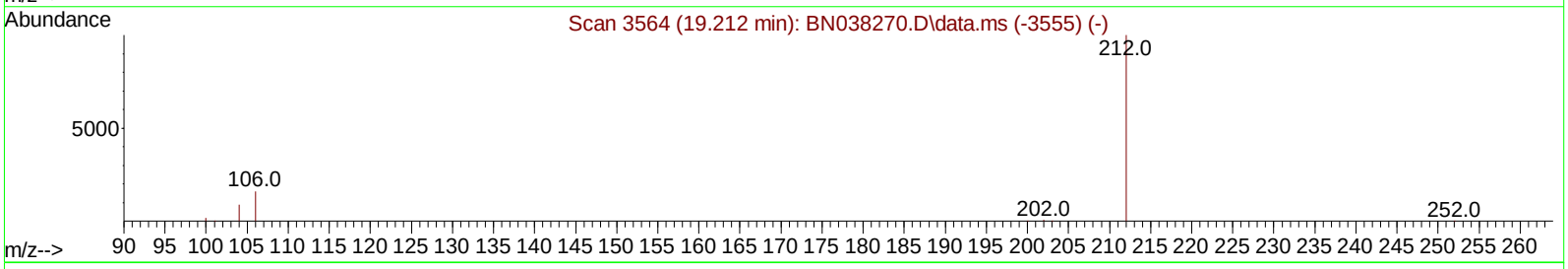
Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038271.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.212min (-0.005) 0.38 ng/ul m

response 22770

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.14#
104.00	9.20	0.00#
0.00	0.00	0.00

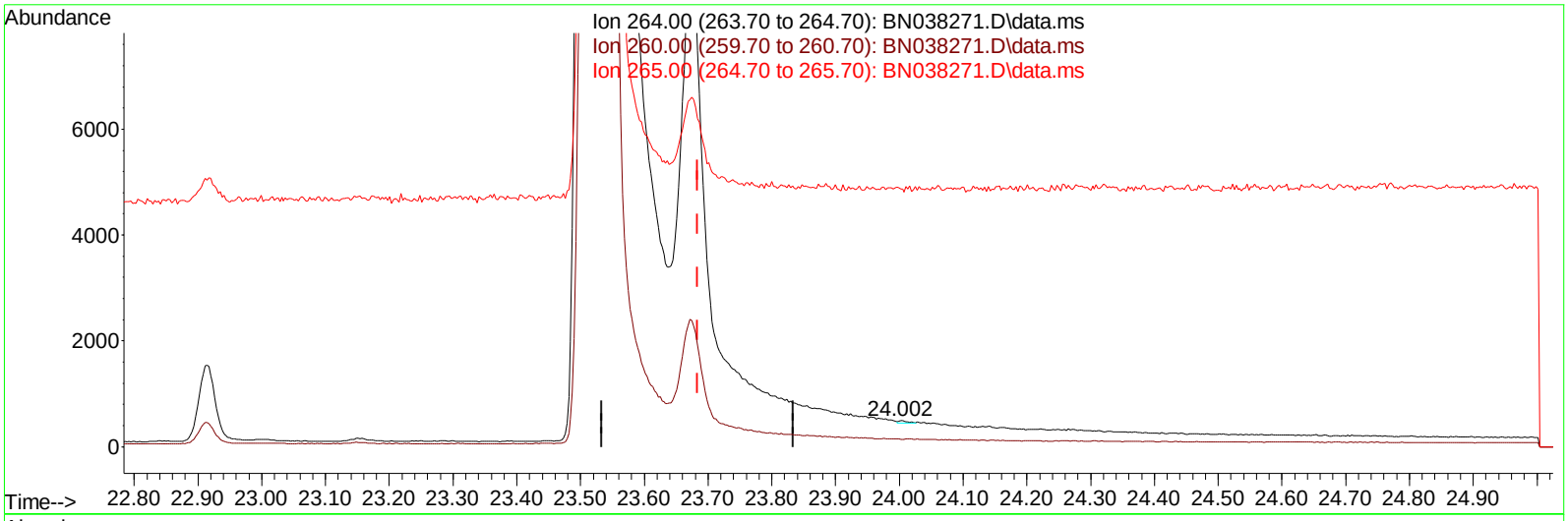
Quantitation Report (Qedit)

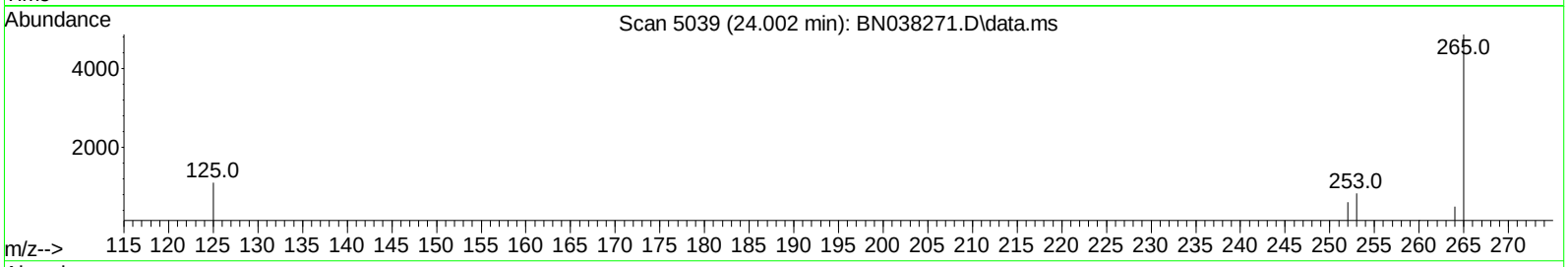
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Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

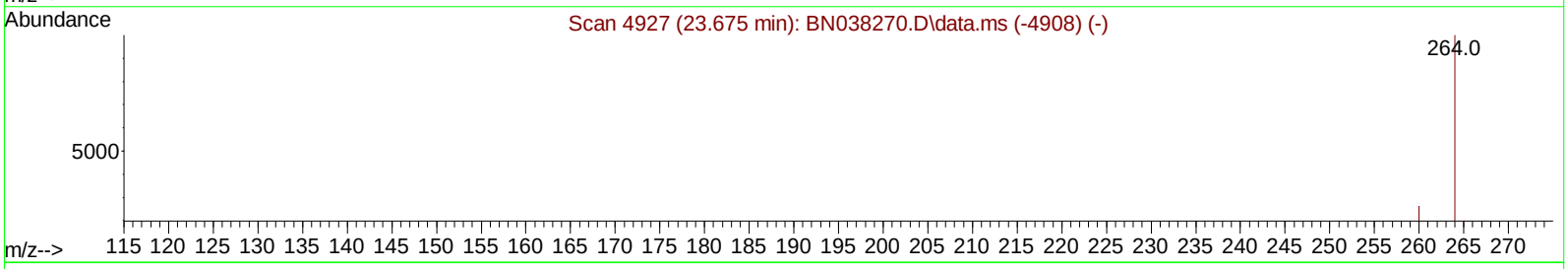
Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038271.D\data.ms

(23) Perylene-d12 (I)

24.002min (+ 0.318) 0.40 ng/ul

response 44

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	28.92
265.00	124.40	976.91#
0.00	0.00	0.00

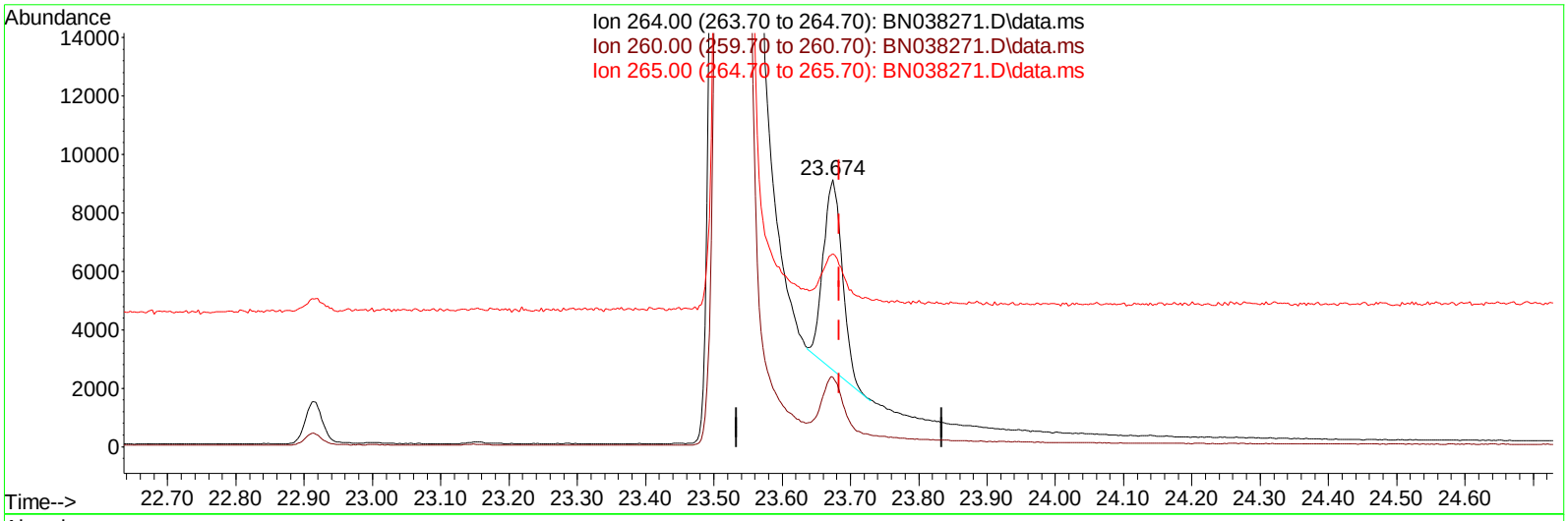
Quantitation Report (Qedit)

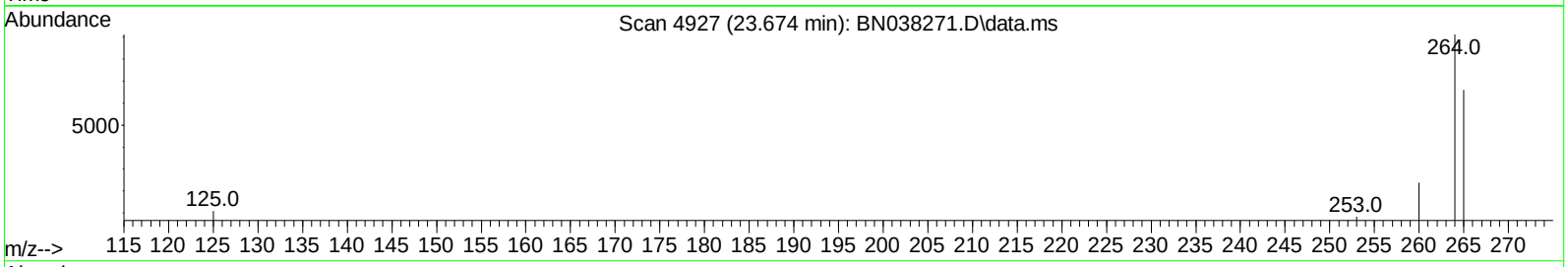
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

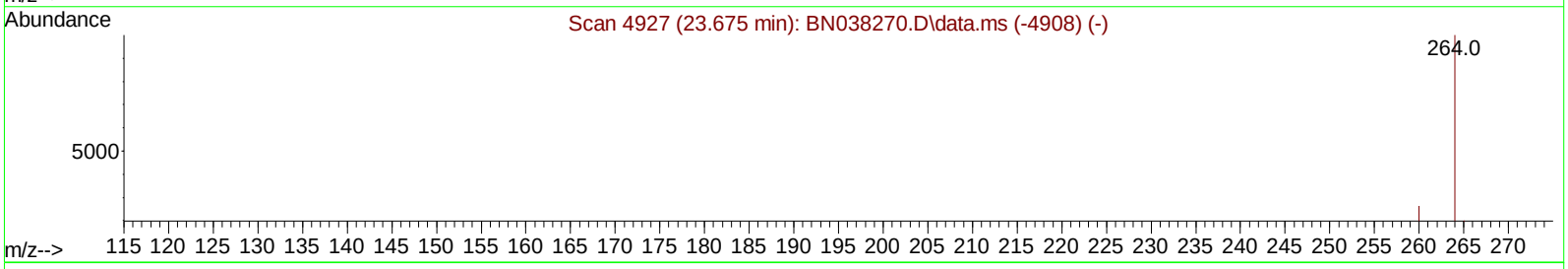
Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM







TIC: BN038271.D\data.ms

(23) Perylene-d12 (I)

23.674min (-0.009) 0.40 ng/ul m

response 12468

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.12
265.00	124.40	72.32#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038271.D
Acq On : 05 Dec 2025 12:42
Operator : RC/JU
Sample : PB170720BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK720

Manual Integrations APPROVED
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12/9/2025 12:44:52 AM

Quant Time: Dec 05 13:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8704	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	28180	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	16454	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.180	188	28511m	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	15359m	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	12468m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	59524	6.518	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	14351	0.357	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	22770m	0.381	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK722

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170722BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038272.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

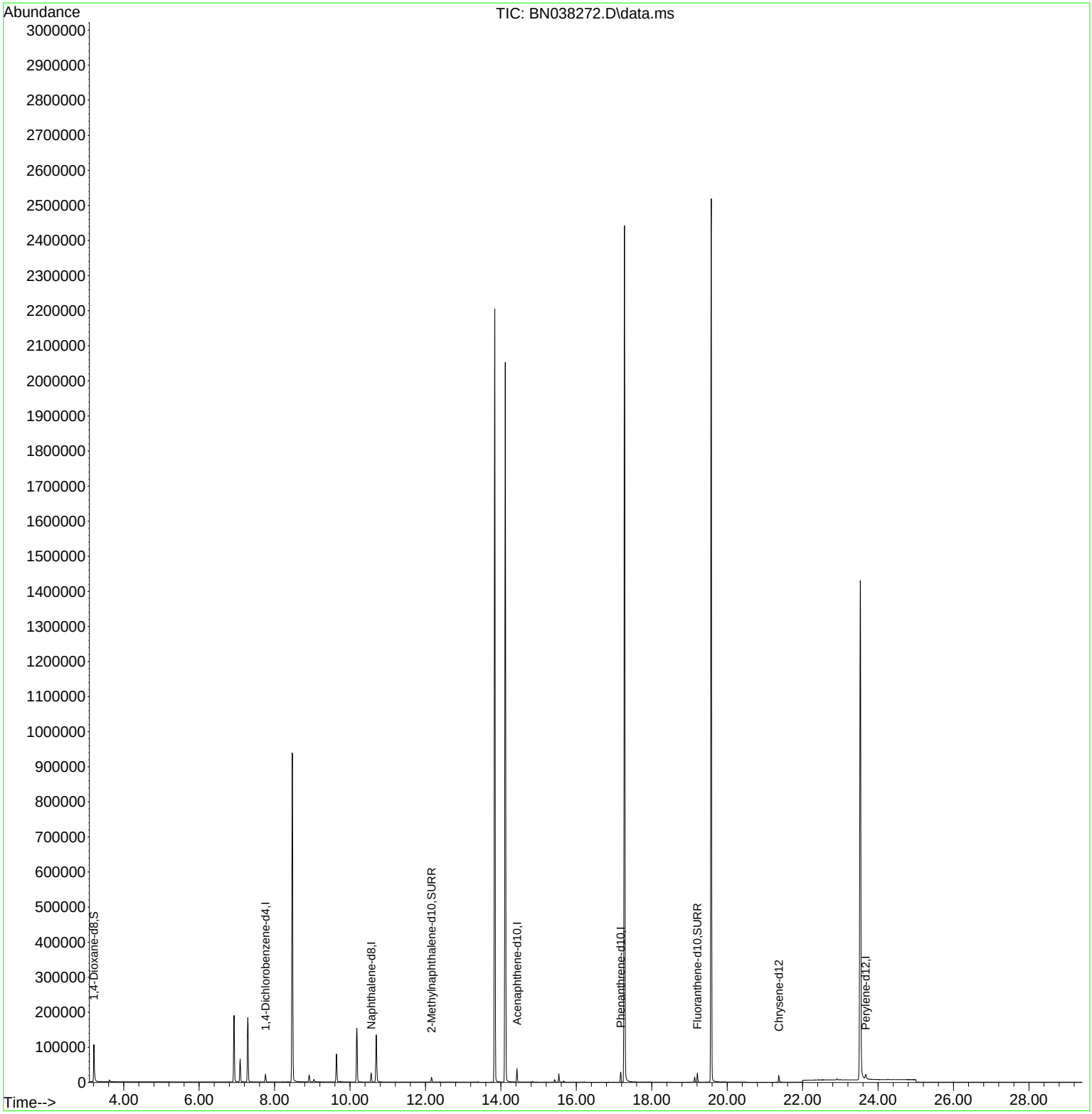
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
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Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
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Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	10357	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.561	136	33216	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.427	164	19565	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	33605m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.369	240	17429m	0.400	ng/ul	0.00
23) Perylene-d12	23.672	264	15019m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	74159	6.824	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	17758	0.375	ng/ul	-0.01
18) Fluoranthene-d10	19.210	212	27059	0.399	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

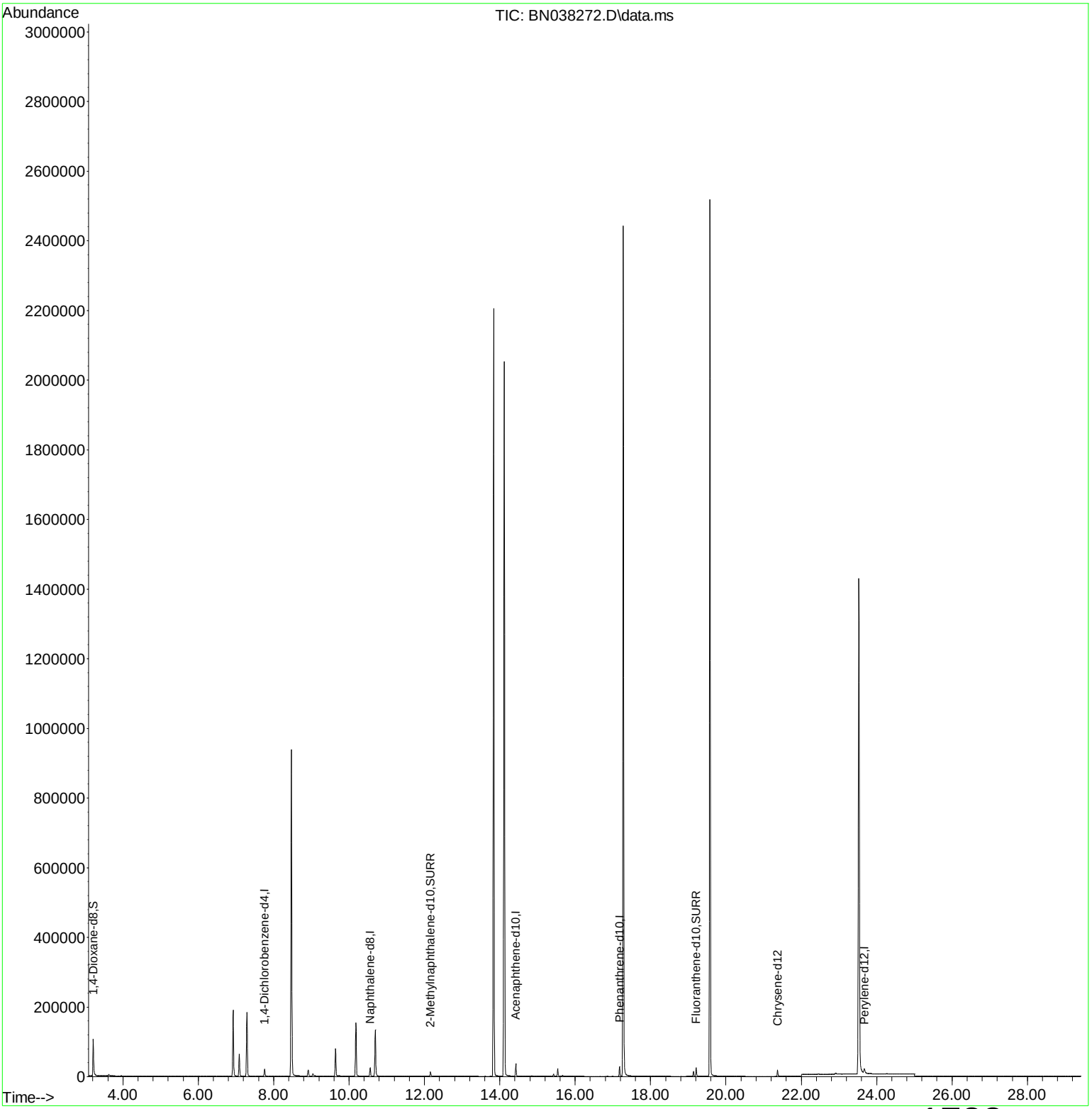
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
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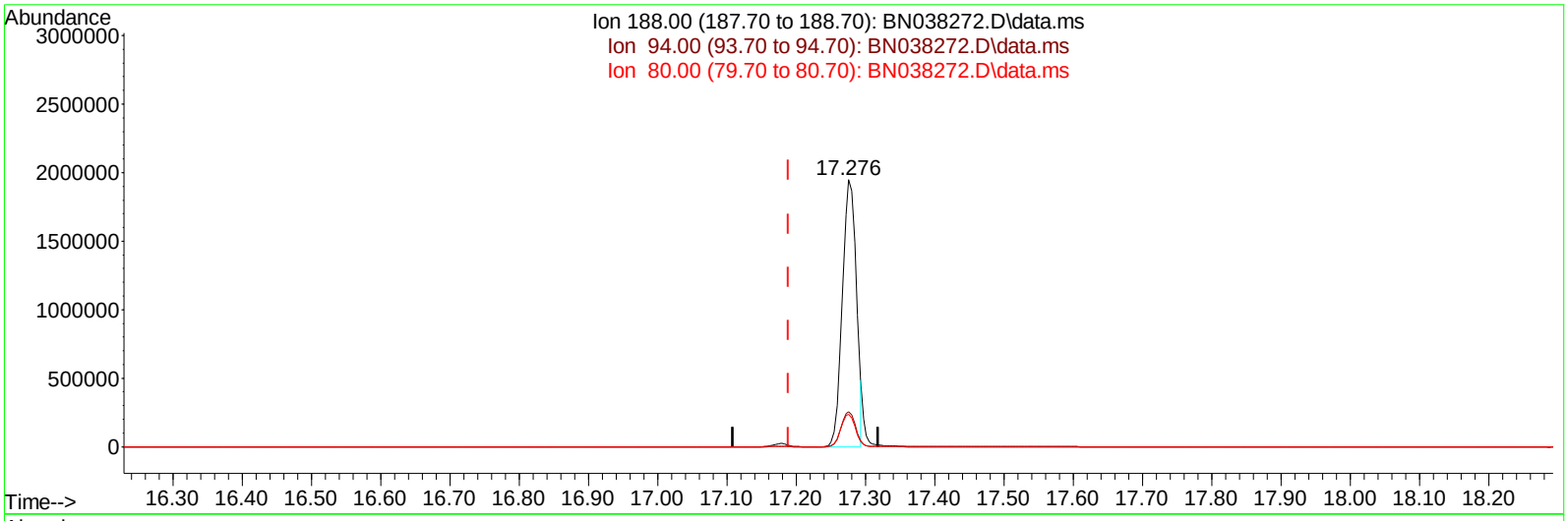
Quantitation Report (Qedit)

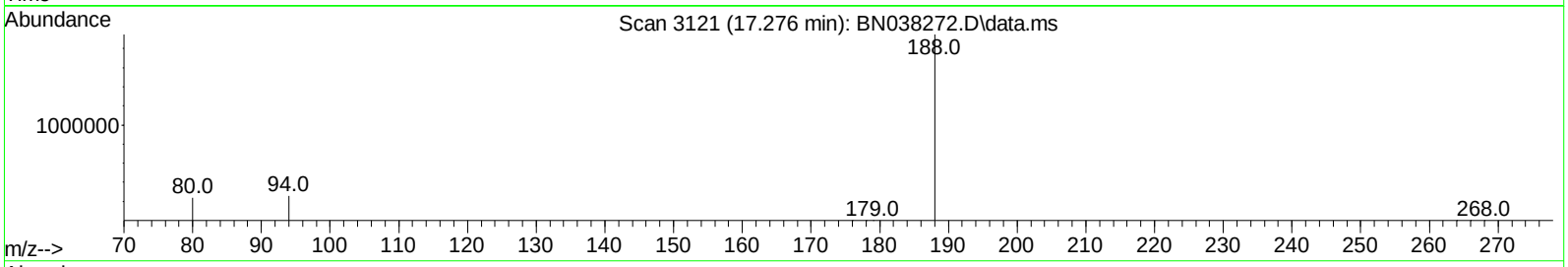
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Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

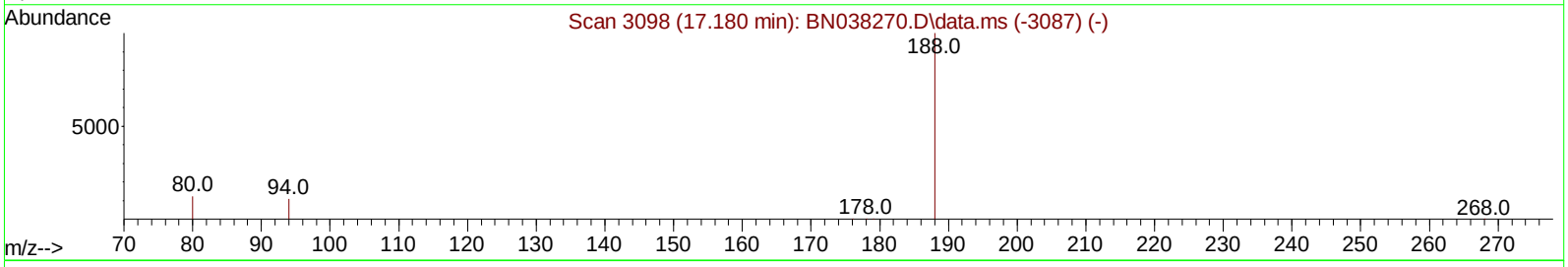
Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038272.D\data.ms

(13) Phenanthrene-d10 (I)

17.276min (+ 0.087) 0.40 ng/ul

response 2726500

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	13.17
80.00	12.20	12.08
0.00	0.00	0.00

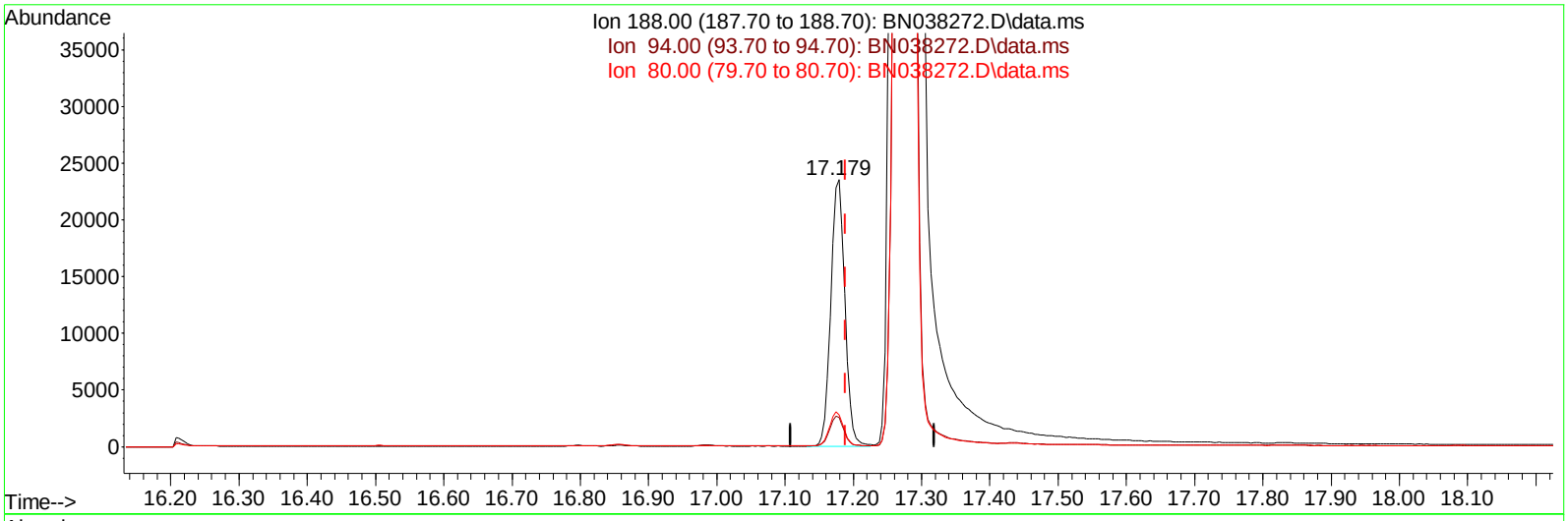
Quantitation Report (Qedit)

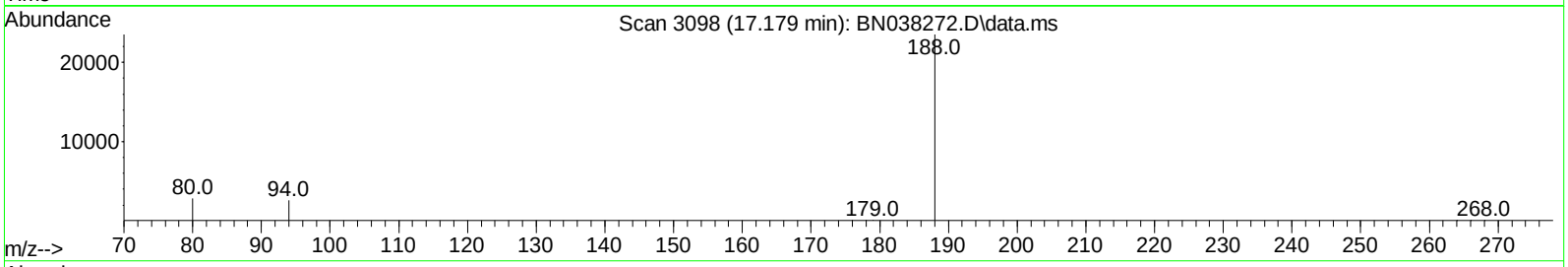
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Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

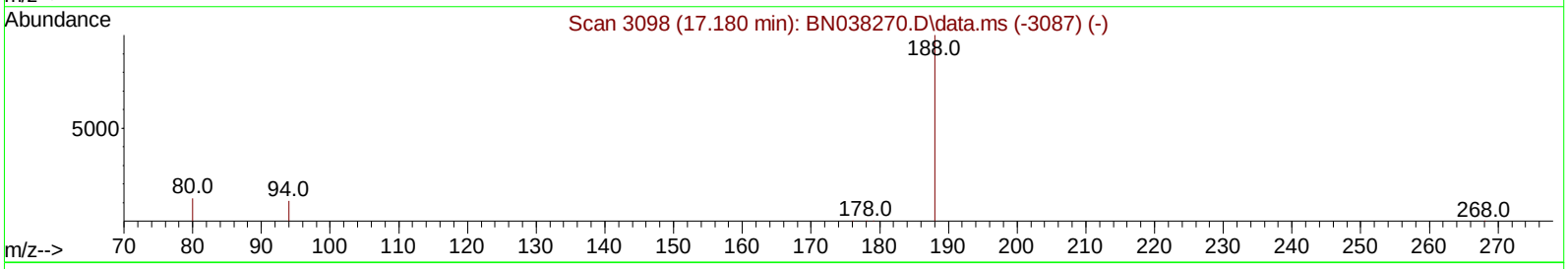
Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038272.D\data.ms

(13) Phenanthrene-d10 (I)

17.179min (-0.010) 0.40 ng/ul m

response 33605

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	10.91
80.00	12.20	11.98
0.00	0.00	0.00

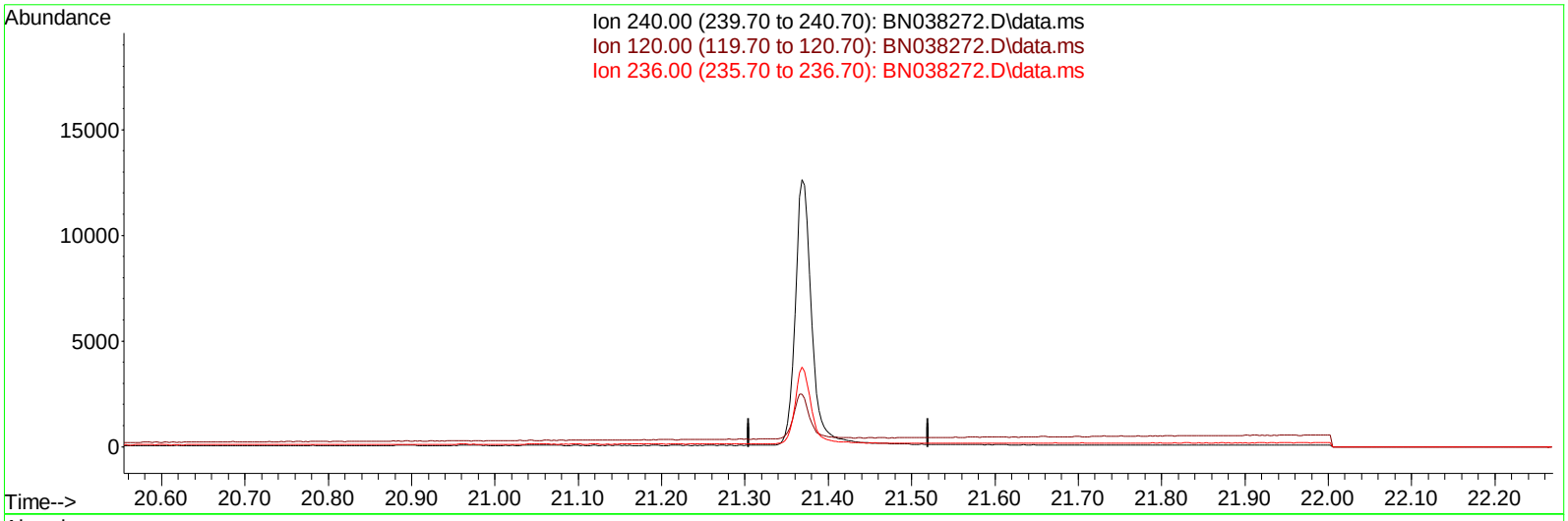
Quantitation Report (Qedit)

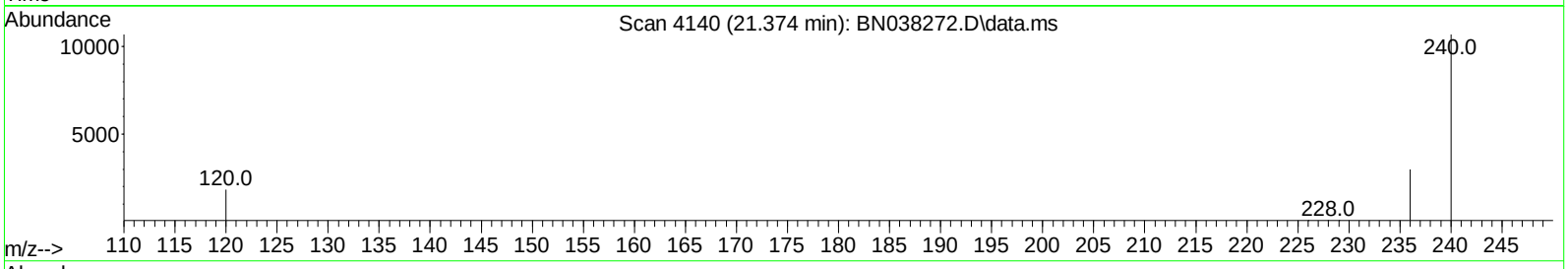
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Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

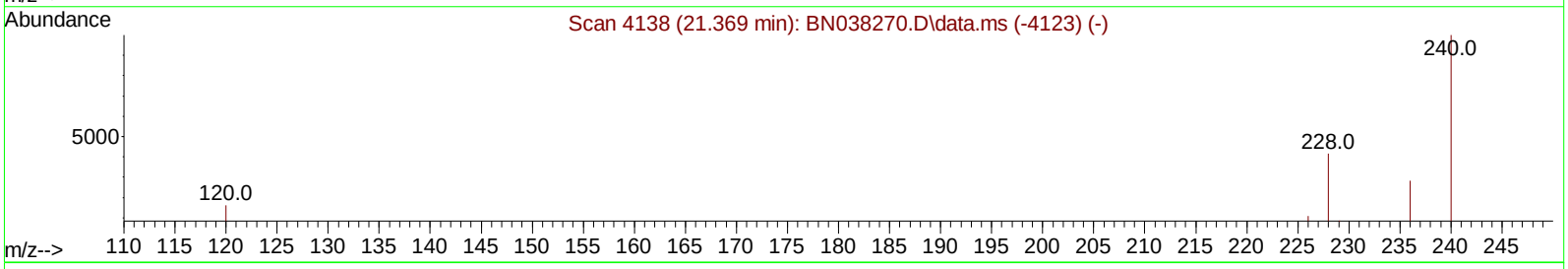
Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038272.D\data.ms

(17) Chrysene-d12

21.375min (-21.375) 0.00 ng/ul

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	19.90	0.00#
236.00	29.60	0.00#
0.00	0.00	0.00

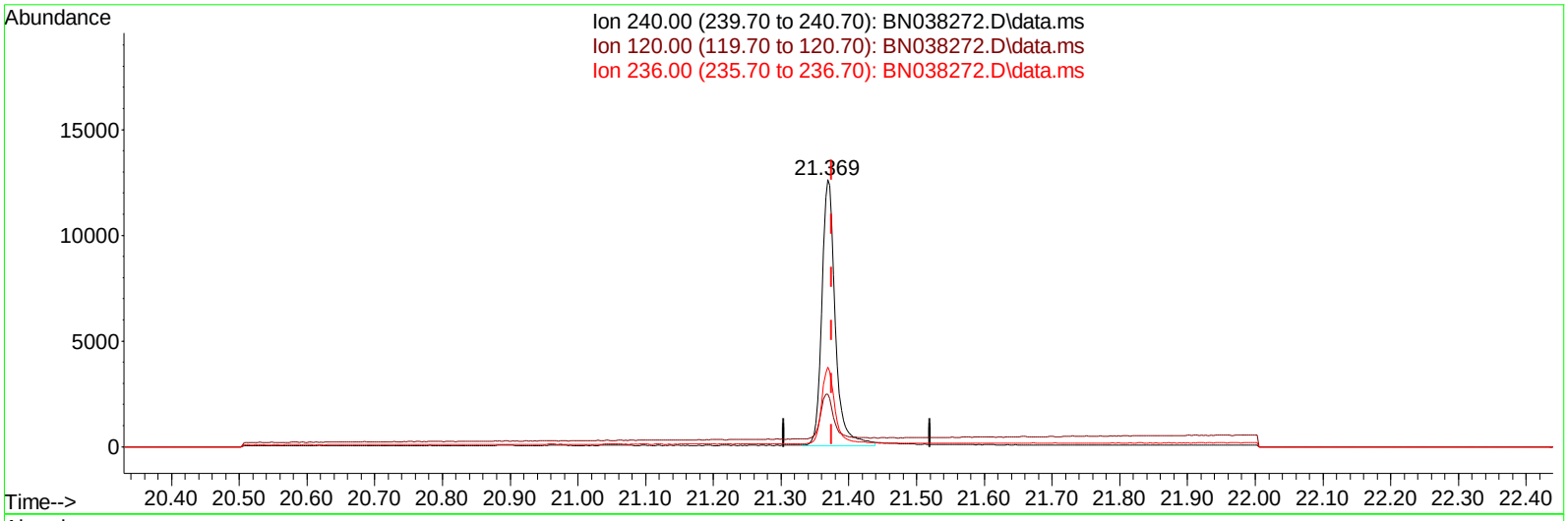
Quantitation Report (Qedit)

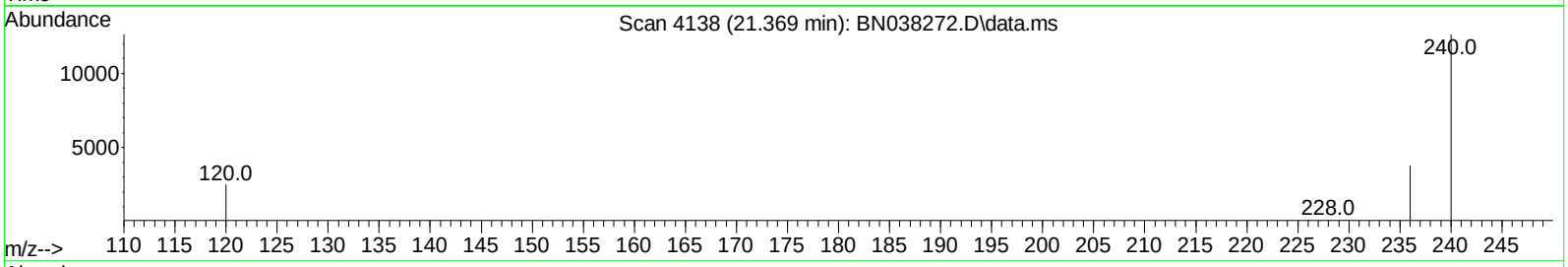
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

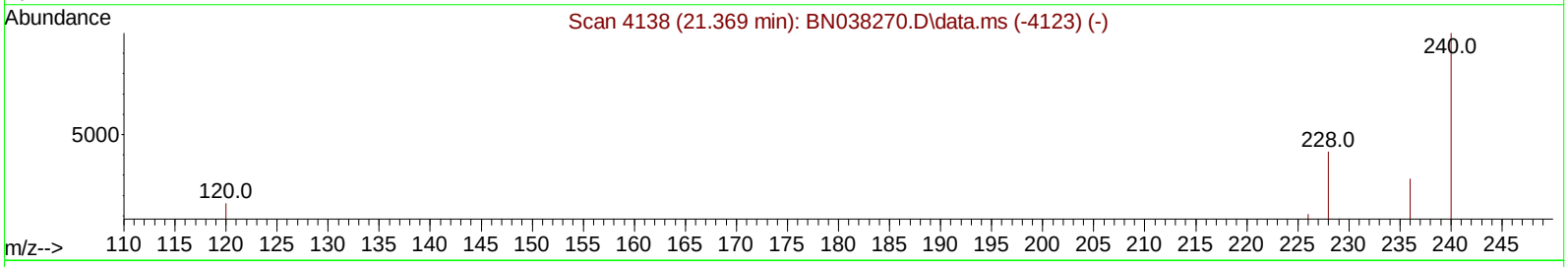
Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038272.D\data.ms

(17) Chrysene-d12

21.369min (-0.006) 0.40 ng/ul m

response 17429

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	19.71
236.00	29.60	29.95
0.00	0.00	0.00

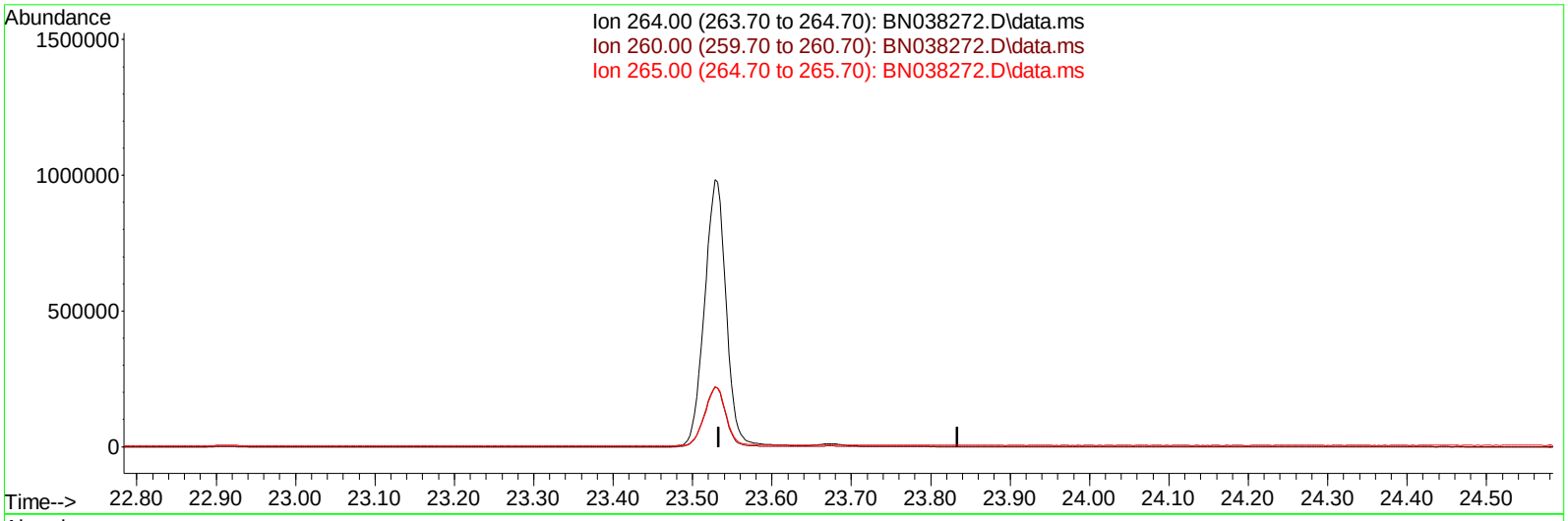
Quantitation Report (Qedit)

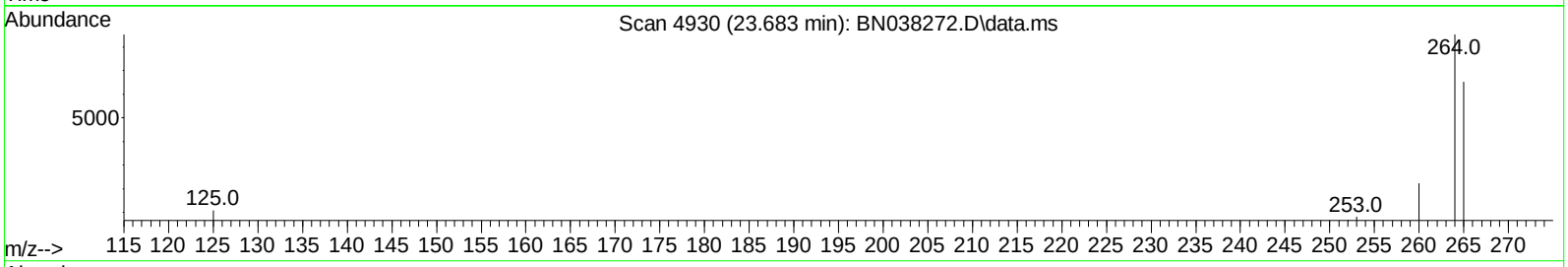
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

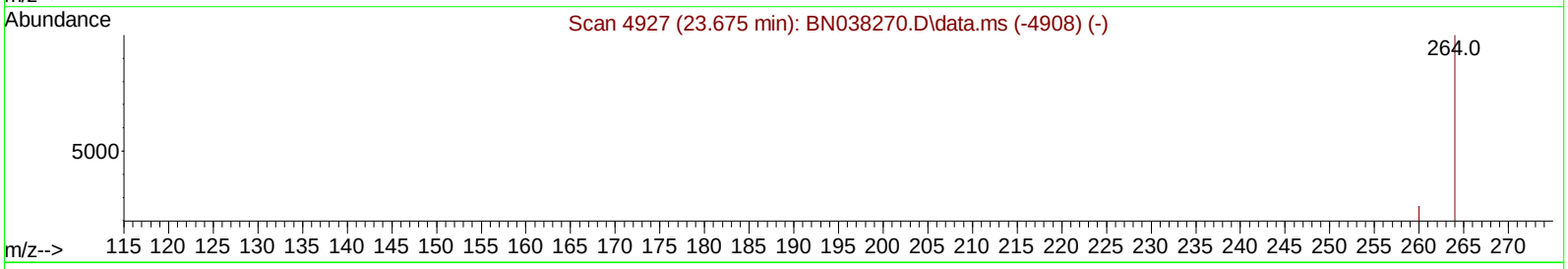
Quant Time: Dec 05 13:48:22 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038272.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

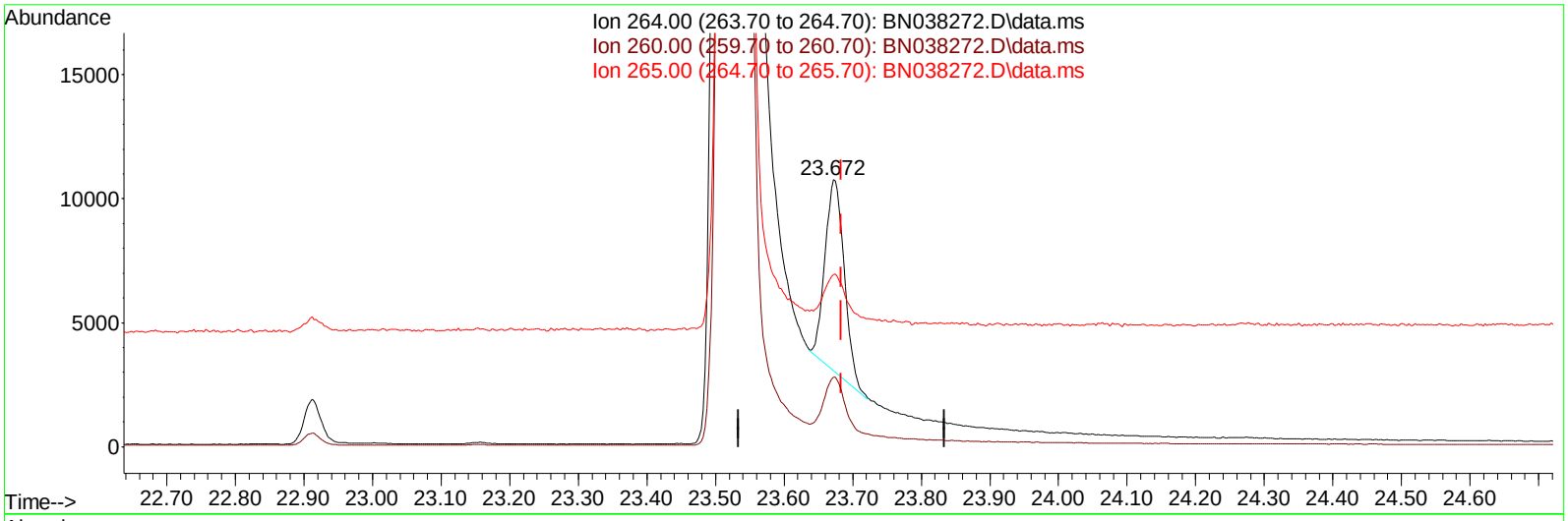
Quantitation Report (Qedit)

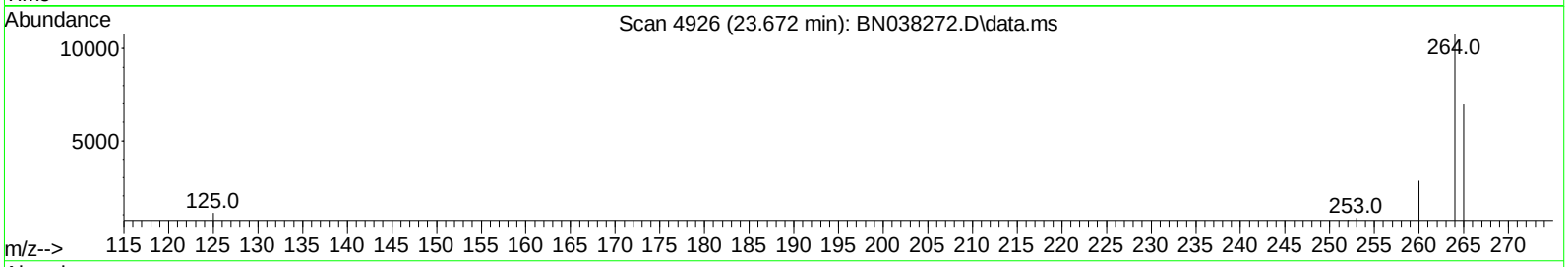
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

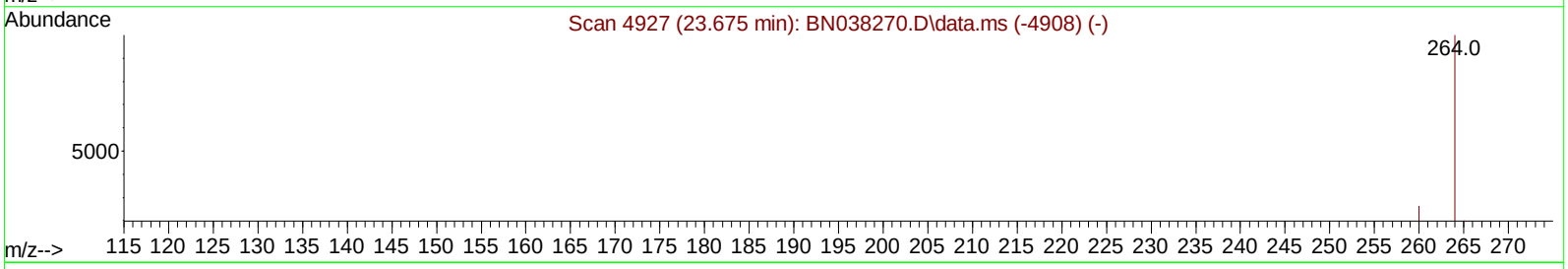
Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038272.D\data.ms

(23) Perylene-d12 (I)

23.672min (-0.012) 0.40 ng/ul m

response 15019

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.18
265.00	124.40	64.60#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038272.D
Acq On : 05 Dec 2025 13:18
Operator : RC/JU
Sample : PB170722BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK722

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 13:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	10357	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.561	136	33216	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.427	164	19565	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	33605m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.369	240	17429m	0.400	ng/ul	0.00
23) Perylene-d12	23.672	264	15019m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	74159	6.824	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.161	152	17758	0.375	ng/ul	-0.01
18) Fluoranthene-d10	19.210	212	27059	0.399	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK742

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170742BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038282.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

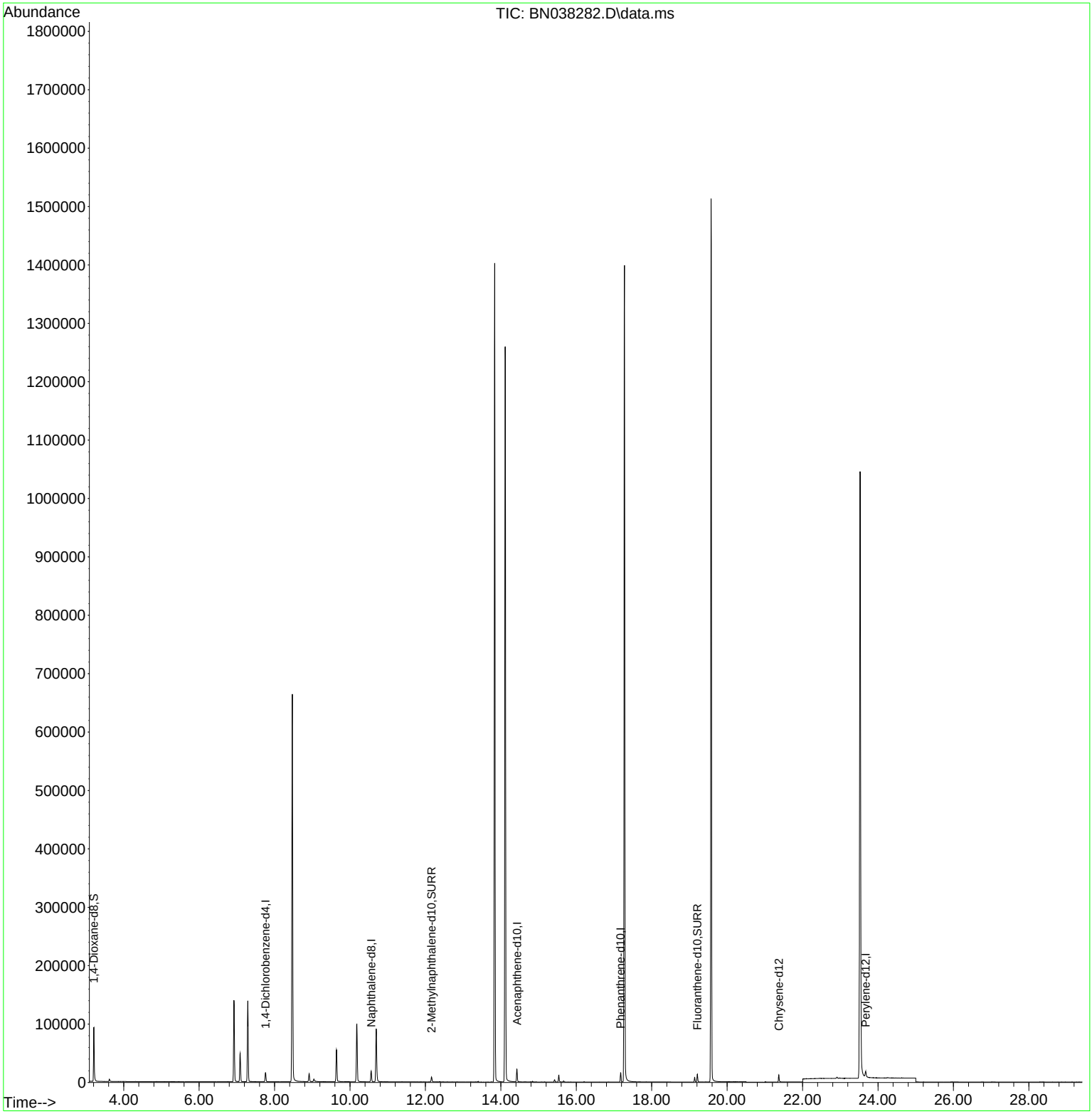
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 05 22:30:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 22:30:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8125	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	24500	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	12182	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.175	188	18265m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.371	240	12311m	0.400	ng/ul	0.00
23) Perylene-d12	23.671	264	10917m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	57291	6.720	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	11720	0.335	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	14807m	0.309	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

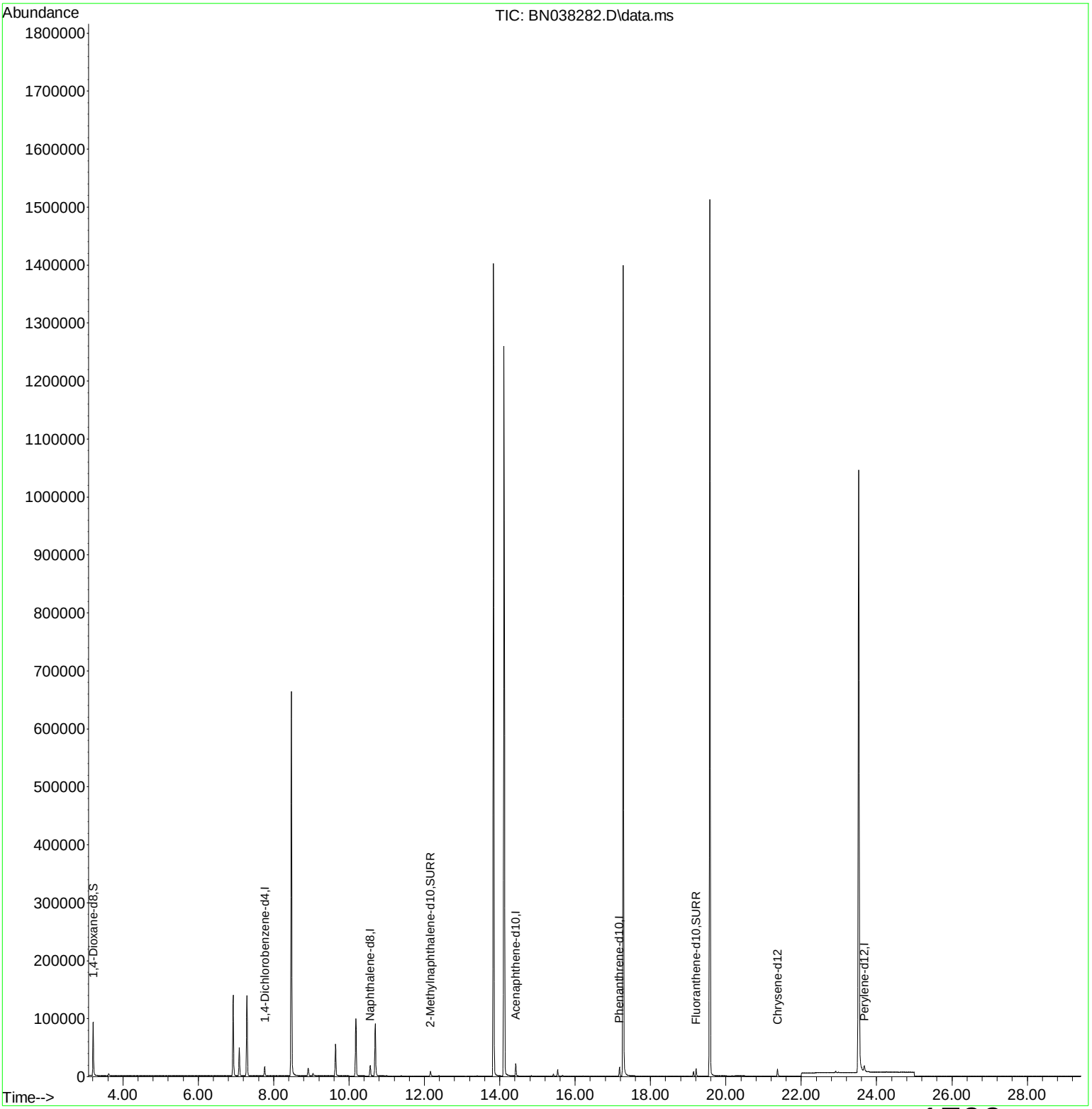
Quantitation Report (QT Reviewed)

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Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 05 22:30:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



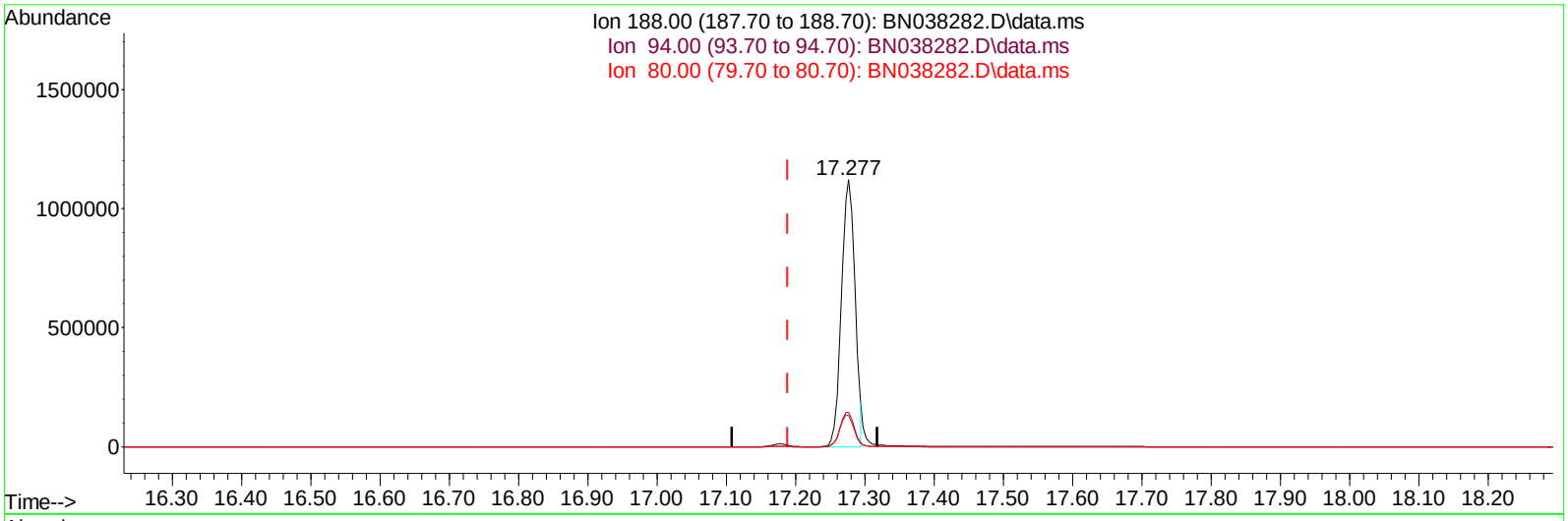
Quantitation Report (Qedit)

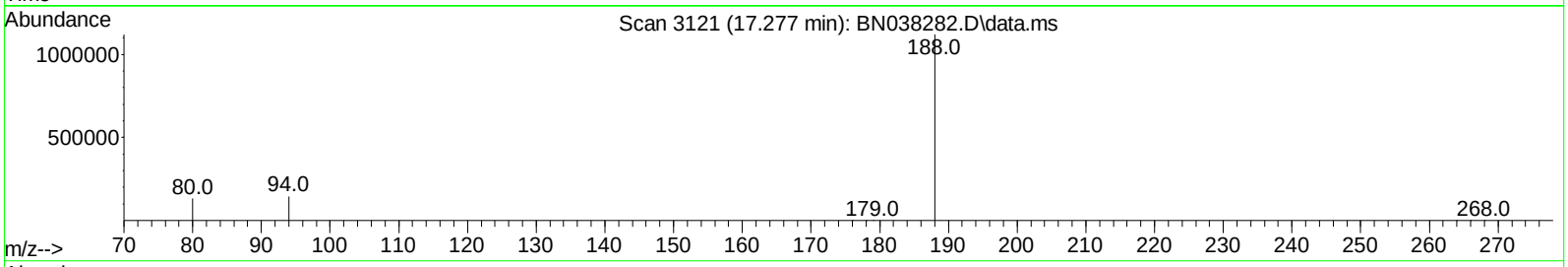
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

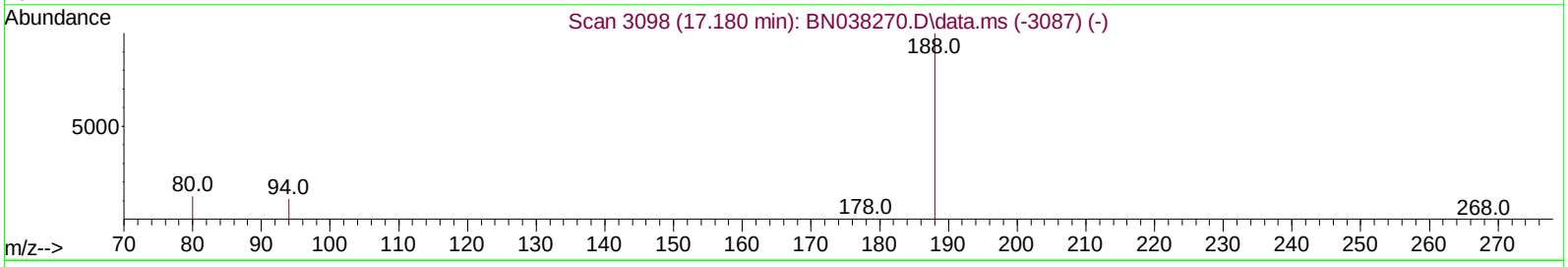
Quant Time: Dec 05 22:30:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038282.D\data.ms

(13) Phenanthrene-d10 (I)

17.277min (+ 0.088) 0.40 ng/ul

response 1515945

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.93
80.00	12.20	11.76
0.00	0.00	0.00

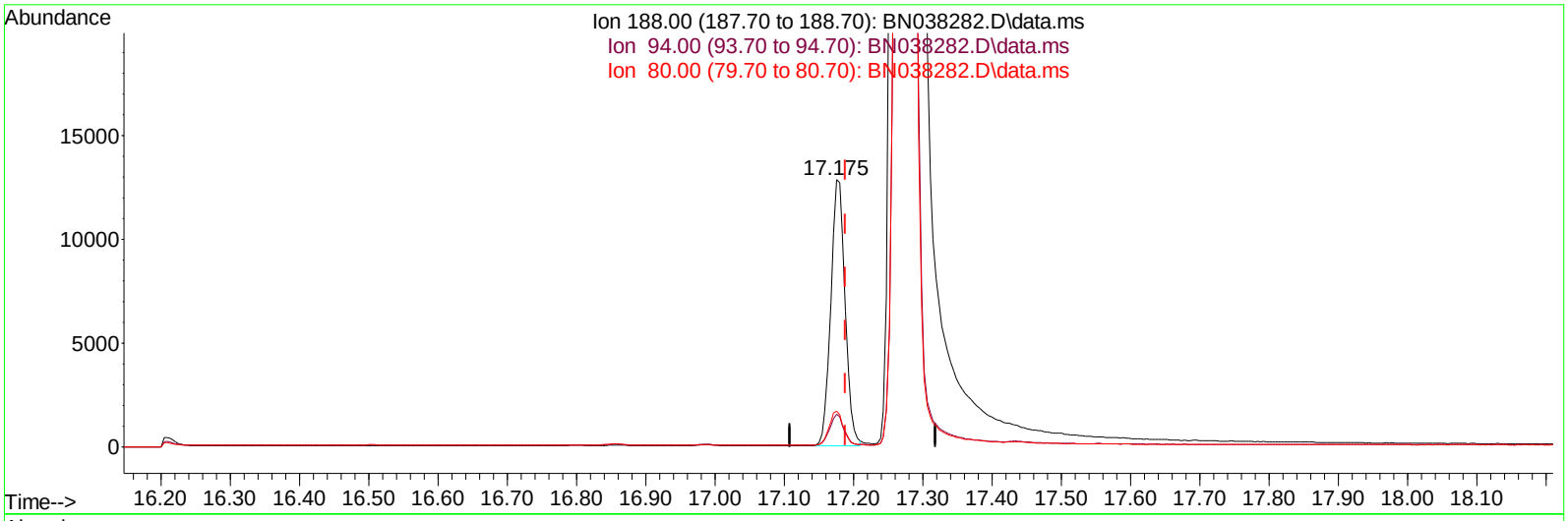
Quantitation Report (Qedit)

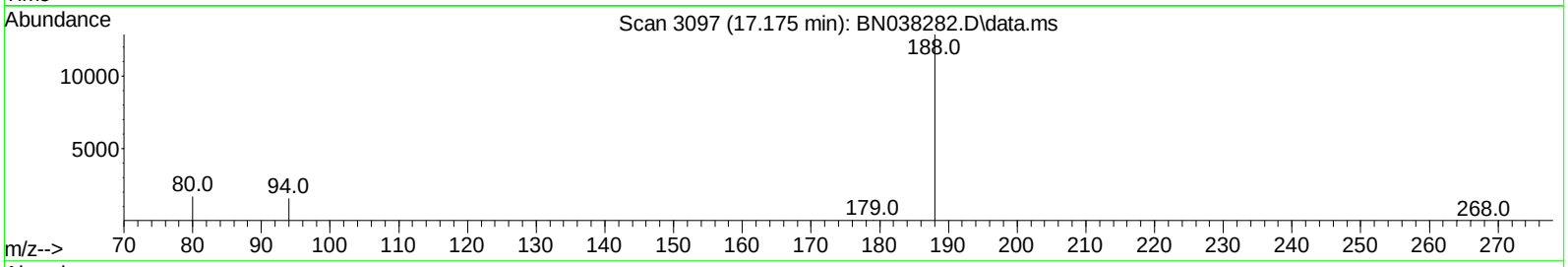
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Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

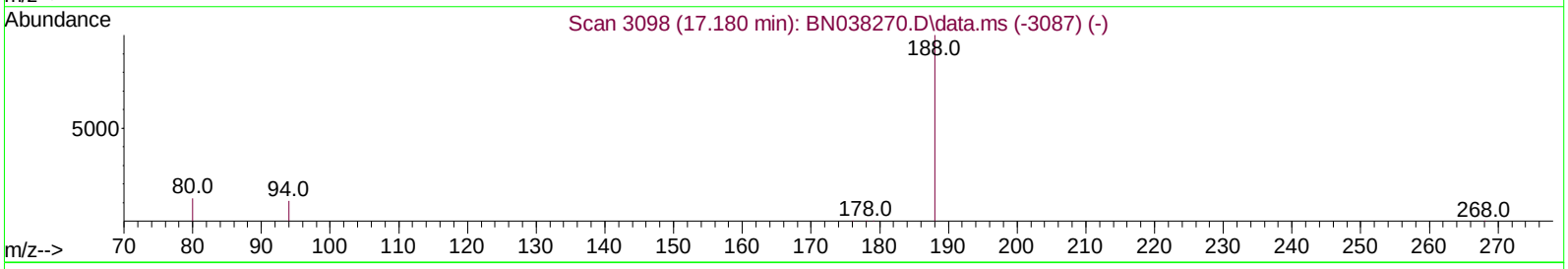
Quant Time: Dec 05 22:30:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038282.D\data.ms

(13) Phenanthrene-d10 (I)

17.175min (-0.013) 0.40 ng/ul m

response 18265

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.26
80.00	12.20	13.34
0.00	0.00	0.00

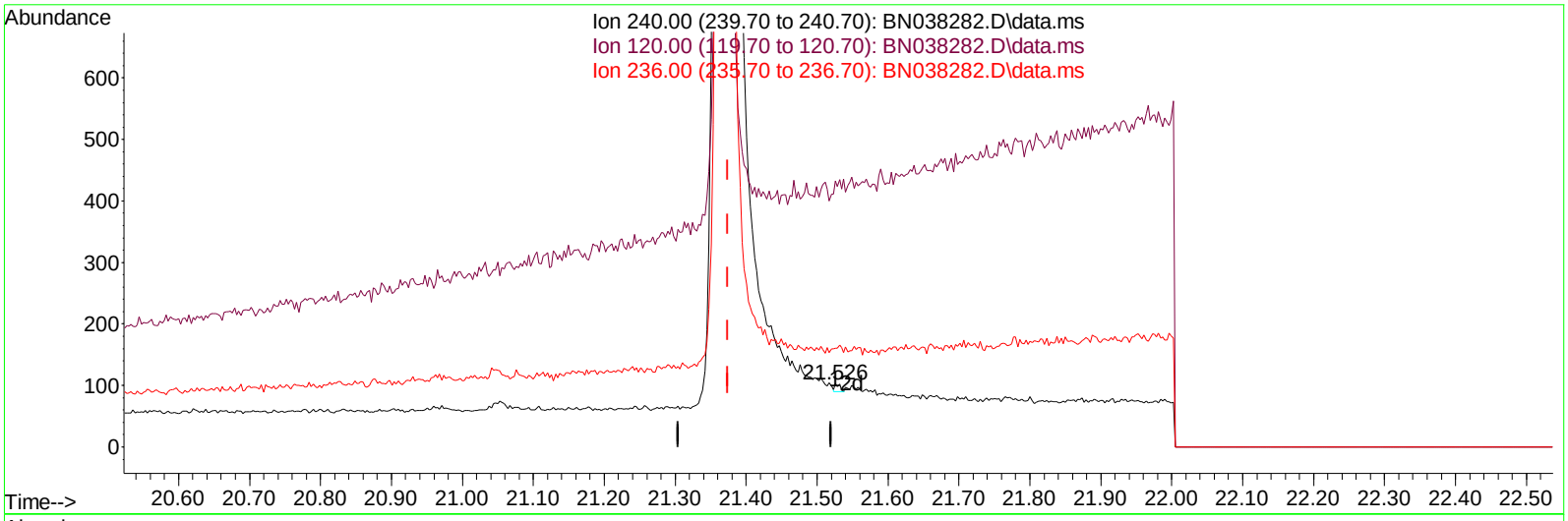
Quantitation Report (Qedit)

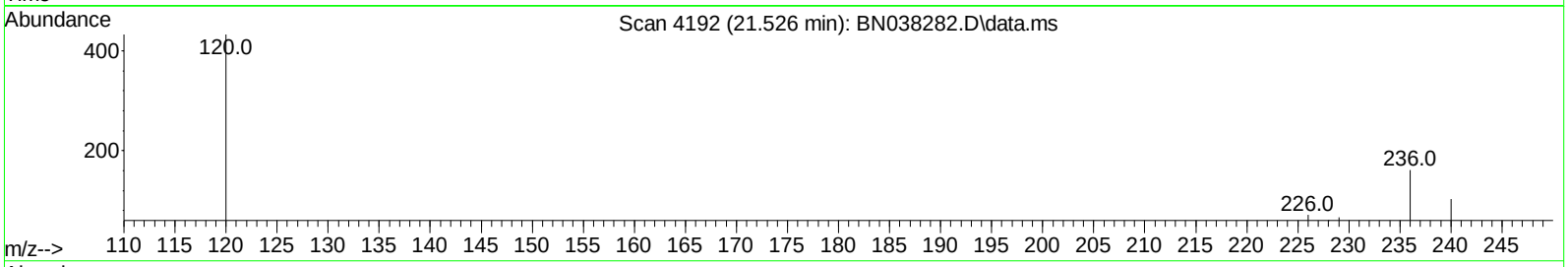
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

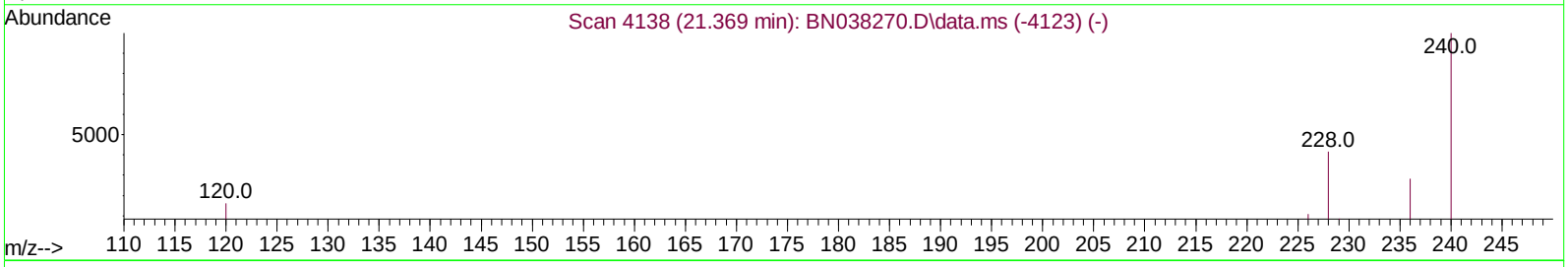
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038282.D\data.ms

(17) Chrysene-d12

21.526min (+ 0.151) 0.40 ng/ul

response 6

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	420.39#
236.00	29.60	156.31#
0.00	0.00	0.00

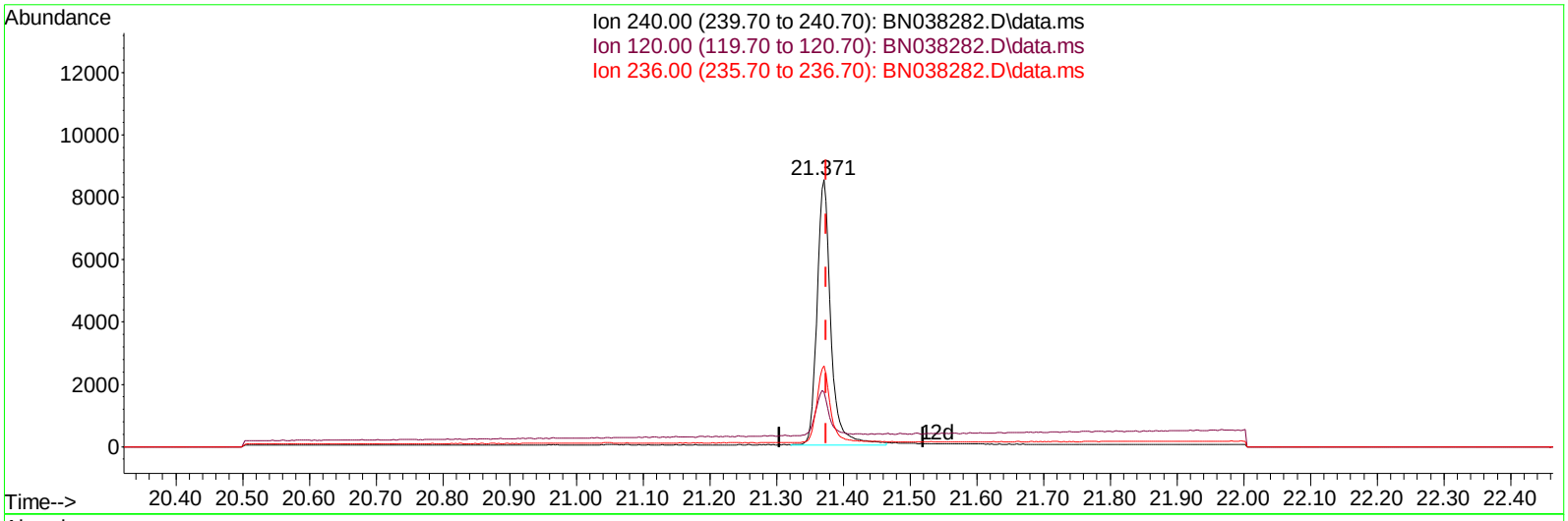
Quantitation Report (Qedit)

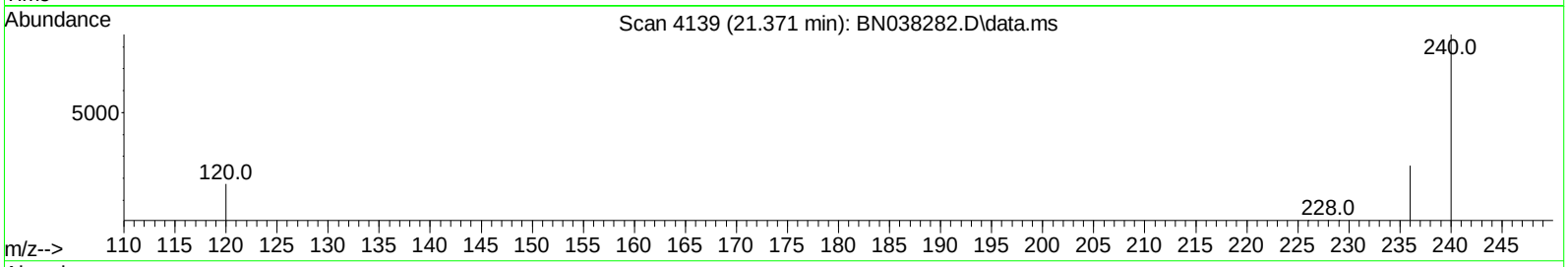
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Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

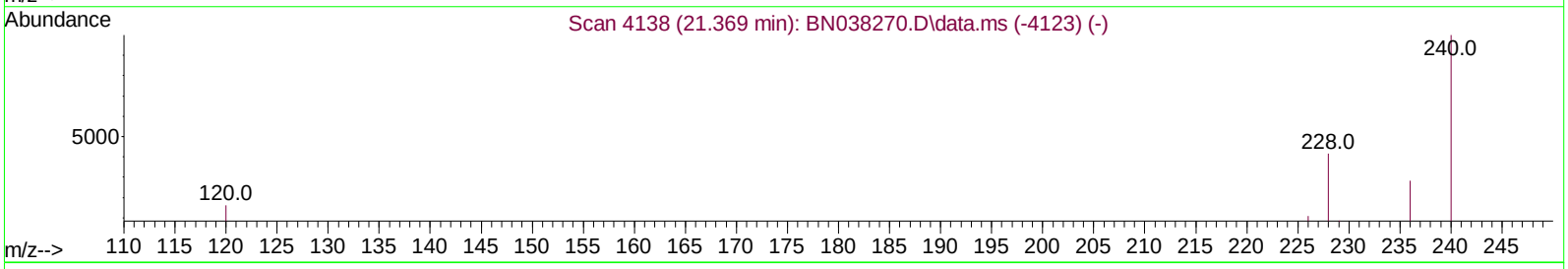
Quant Time: Dec 05 22:30:54 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038282.D\data.ms

(17) Chrysene-d12

21.371min (-0.004) 0.40 ng/ul m

response 12311

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	20.40
236.00	29.60	30.30
0.00	0.00	0.00

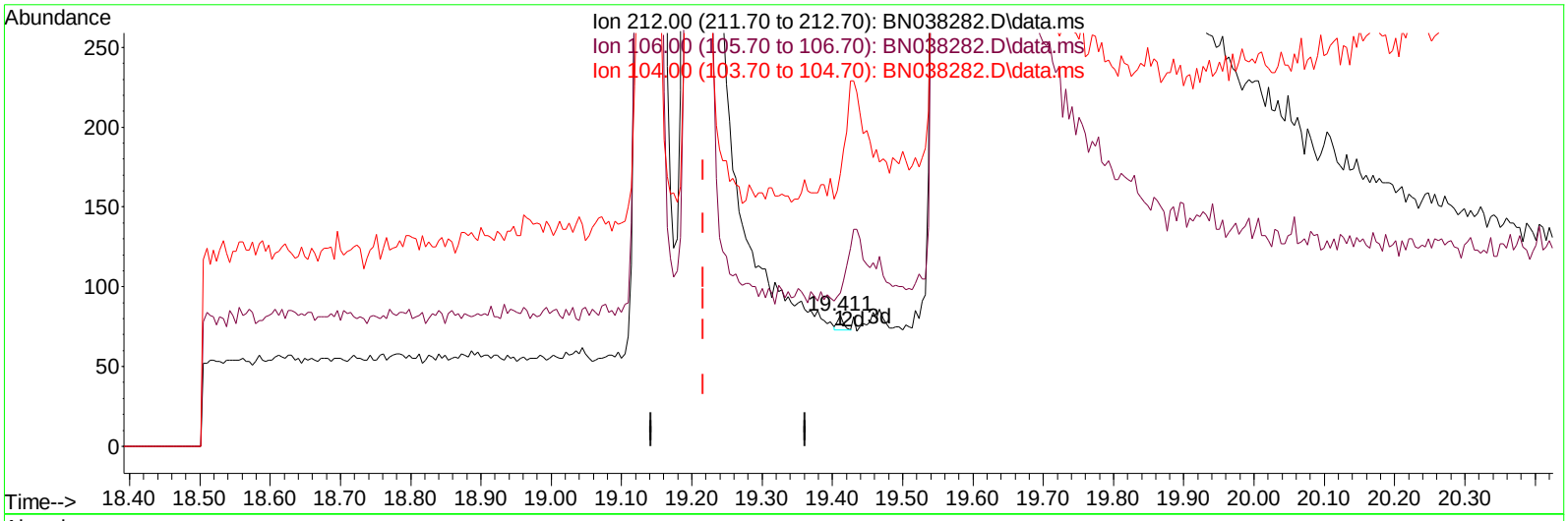
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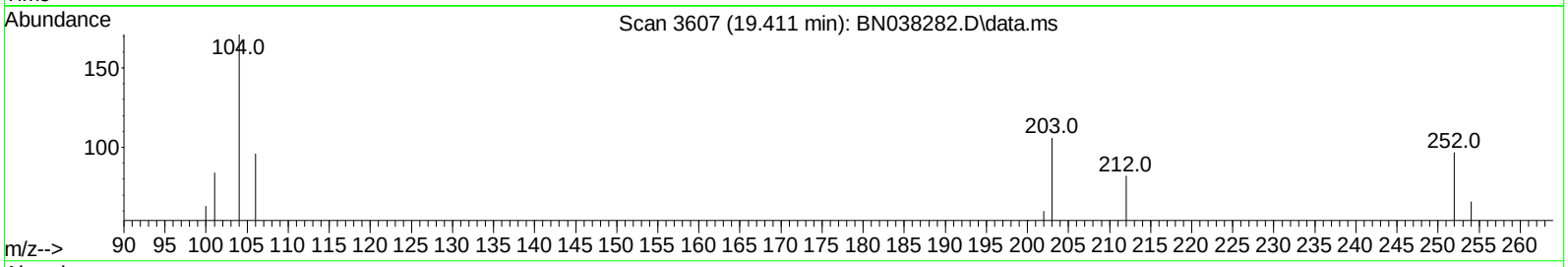
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Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

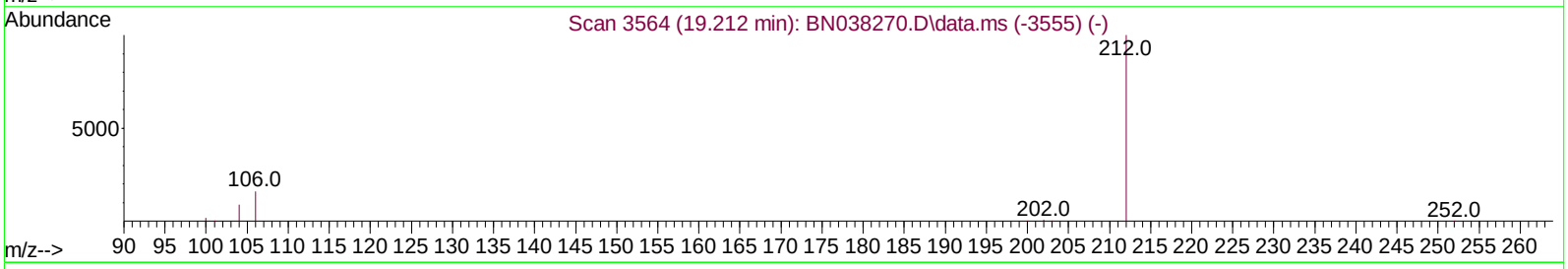
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038282.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.411min (+ 0.194) 0.00 ng/ul

response 5

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

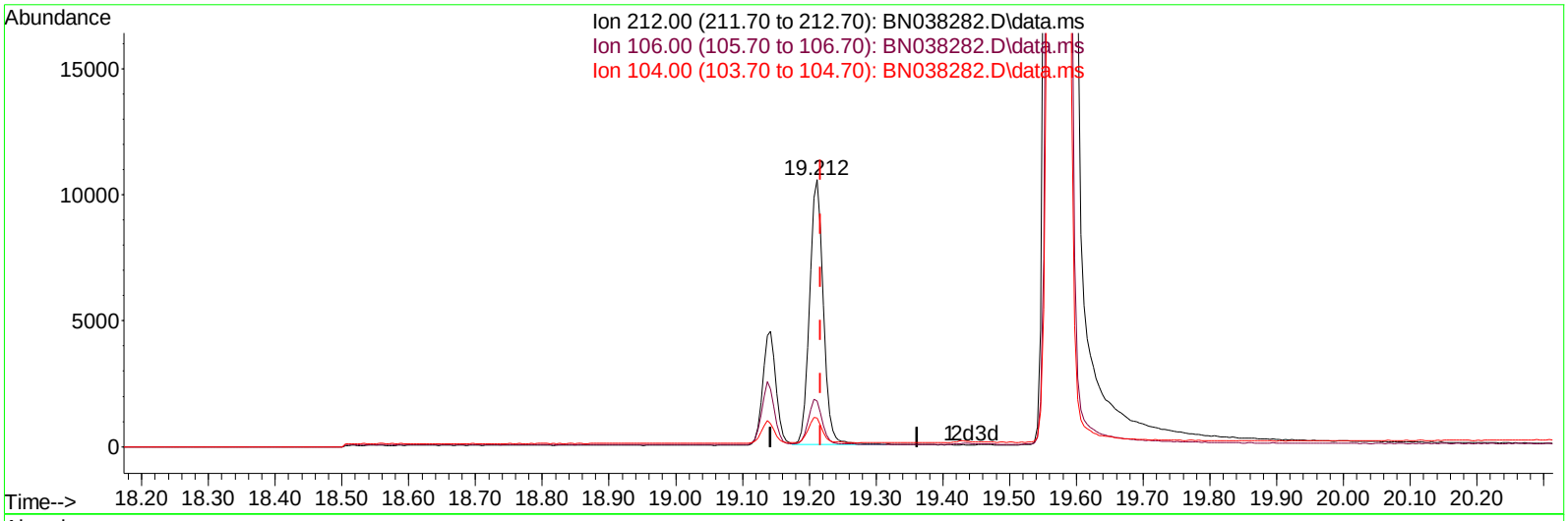
Quantitation Report (Qedit)

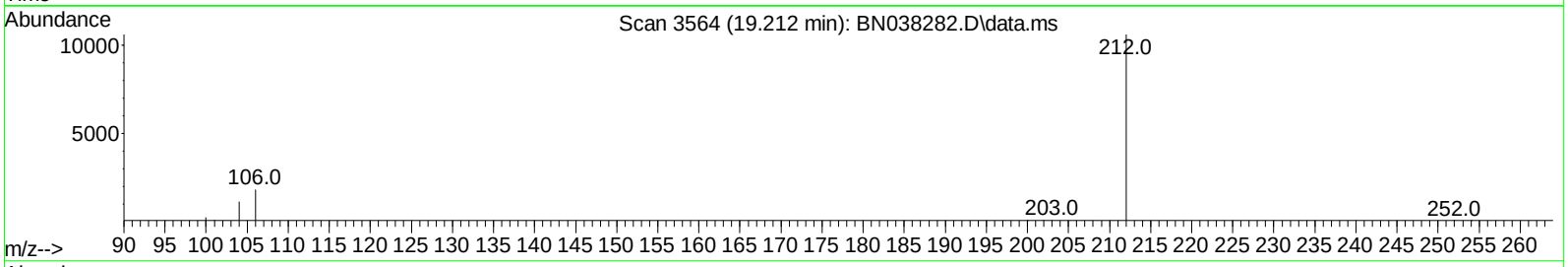
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Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

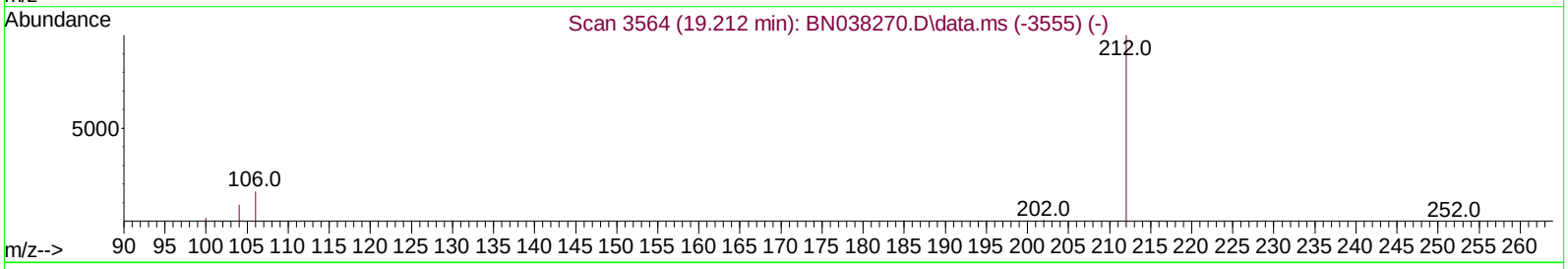
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038282.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.212min (-0.005) 0.31 ng/ul m

response 14807

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	16.00	0.00#
104.00	9.20	0.00#
0.00	0.00	0.00

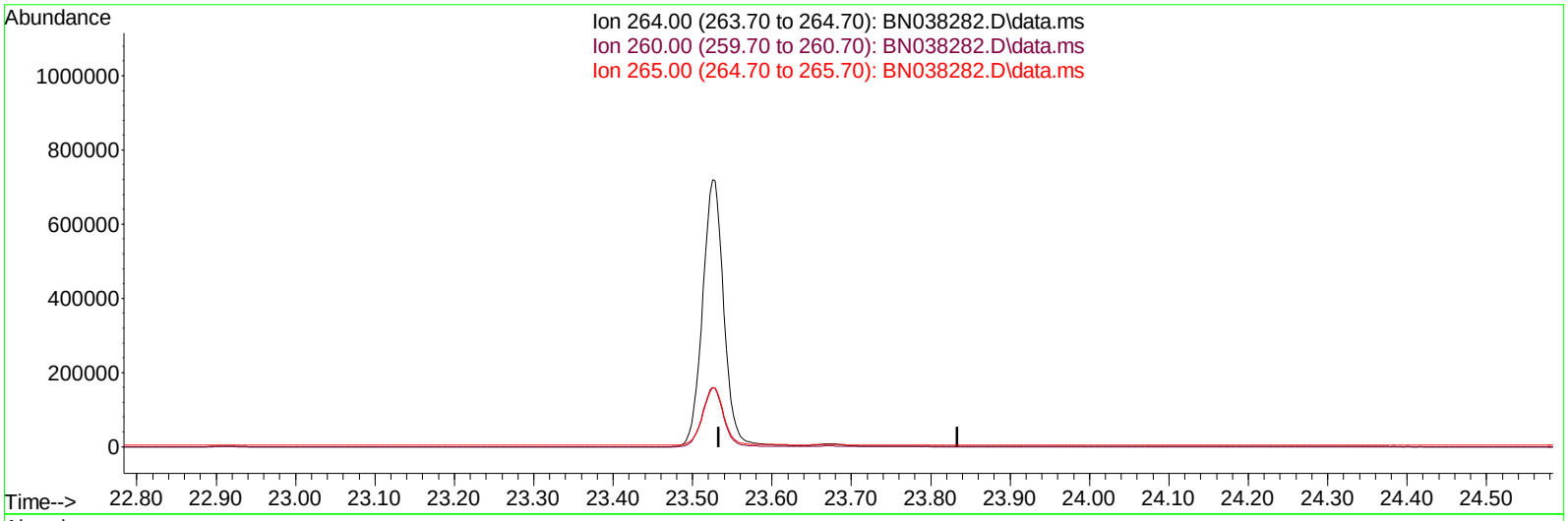
Quantitation Report (Qedit)

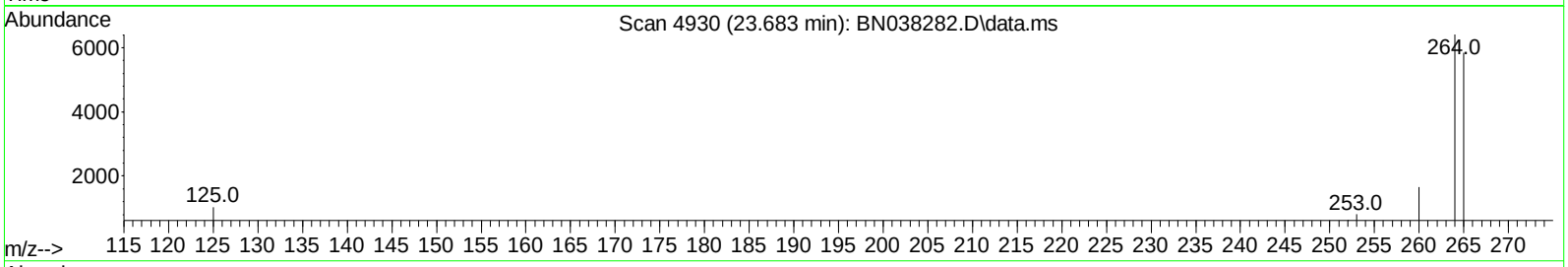
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

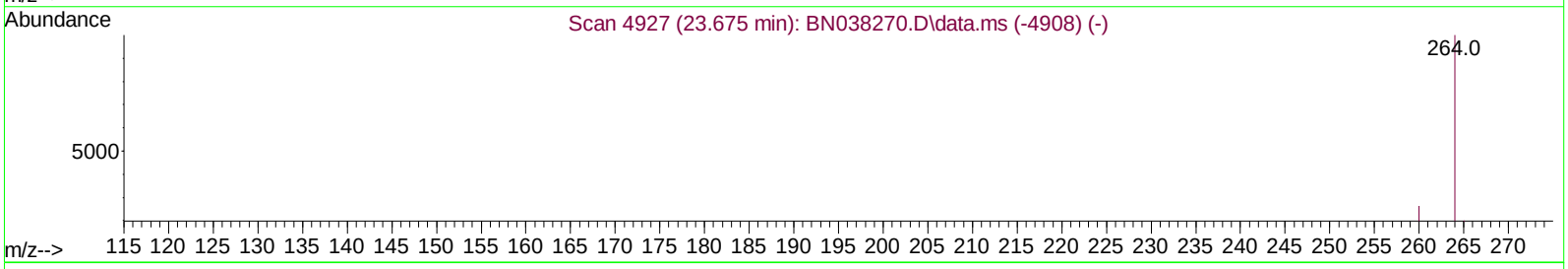
Quant Time: Dec 05 22:30:54 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038282.D\data.ms

(23) Perylene-d12 (I)

23.684min (-23.684) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.40	0.00#
265.00	124.40	0.00#
0.00	0.00	0.00

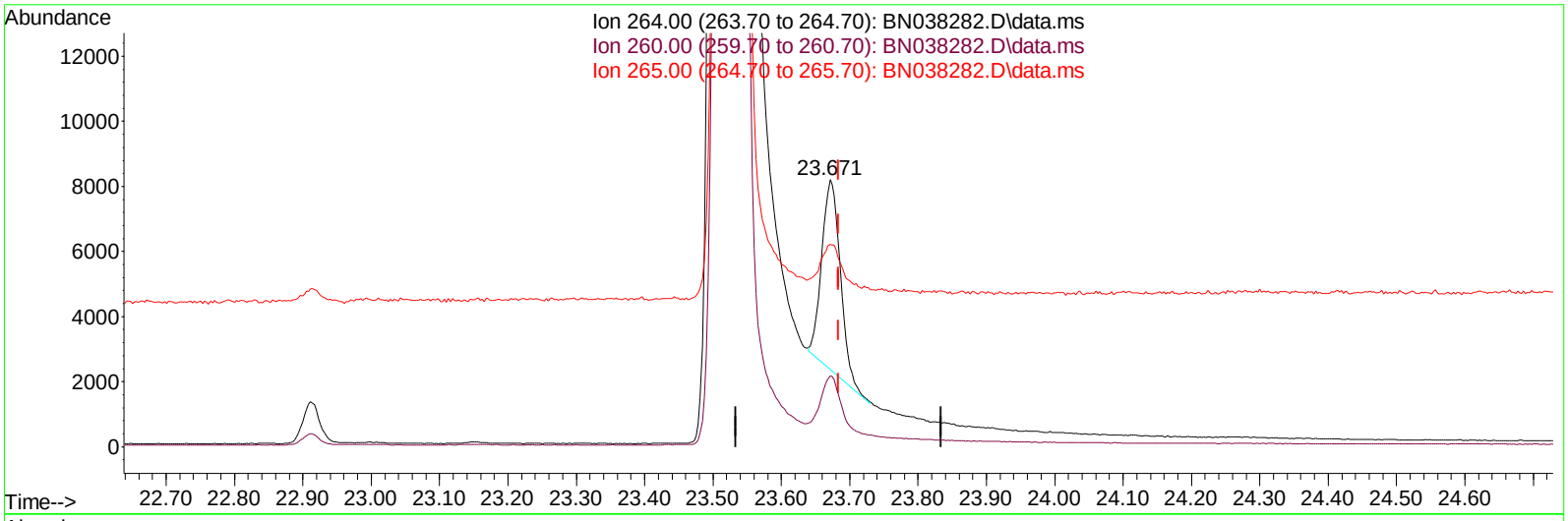
Quantitation Report (Qedit)

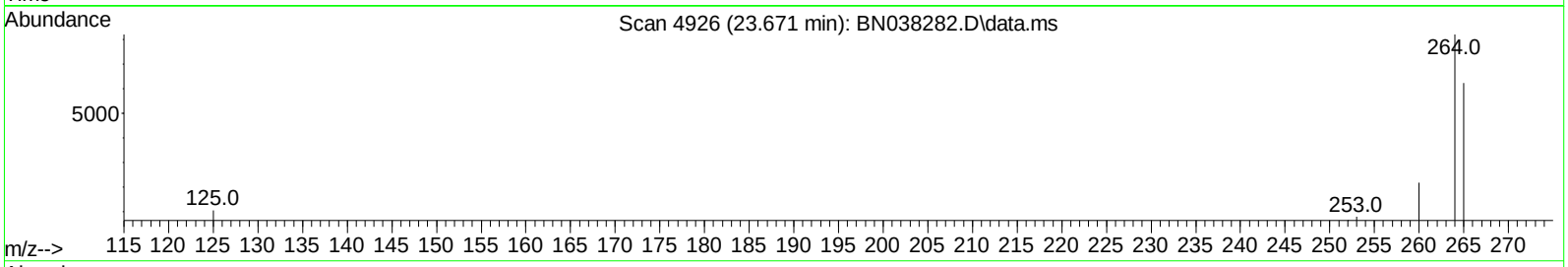
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

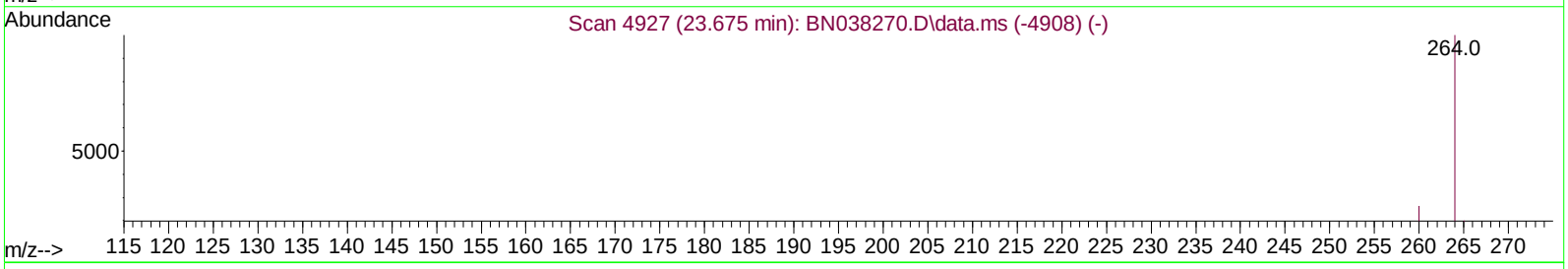
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038282.D\data.ms

(23) Perylene-d12 (I)

23.671min (-0.012) 0.40 ng/ul m

response 10917

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.47
265.00	124.40	75.78#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038282.D
Acq On : 05 Dec 2025 19:21
Operator : RC/JU
Sample : PB170742BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK742

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 22:30:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	8125	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	24500	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	12182	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.175	188	18265m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.371	240	12311m	0.400	ng/ul	0.00
23) Perylene-d12	23.671	264	10917m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	57291	6.720	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.163	152	11720	0.335	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	14807m	0.309	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SBLK724

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170724BL
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038284.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

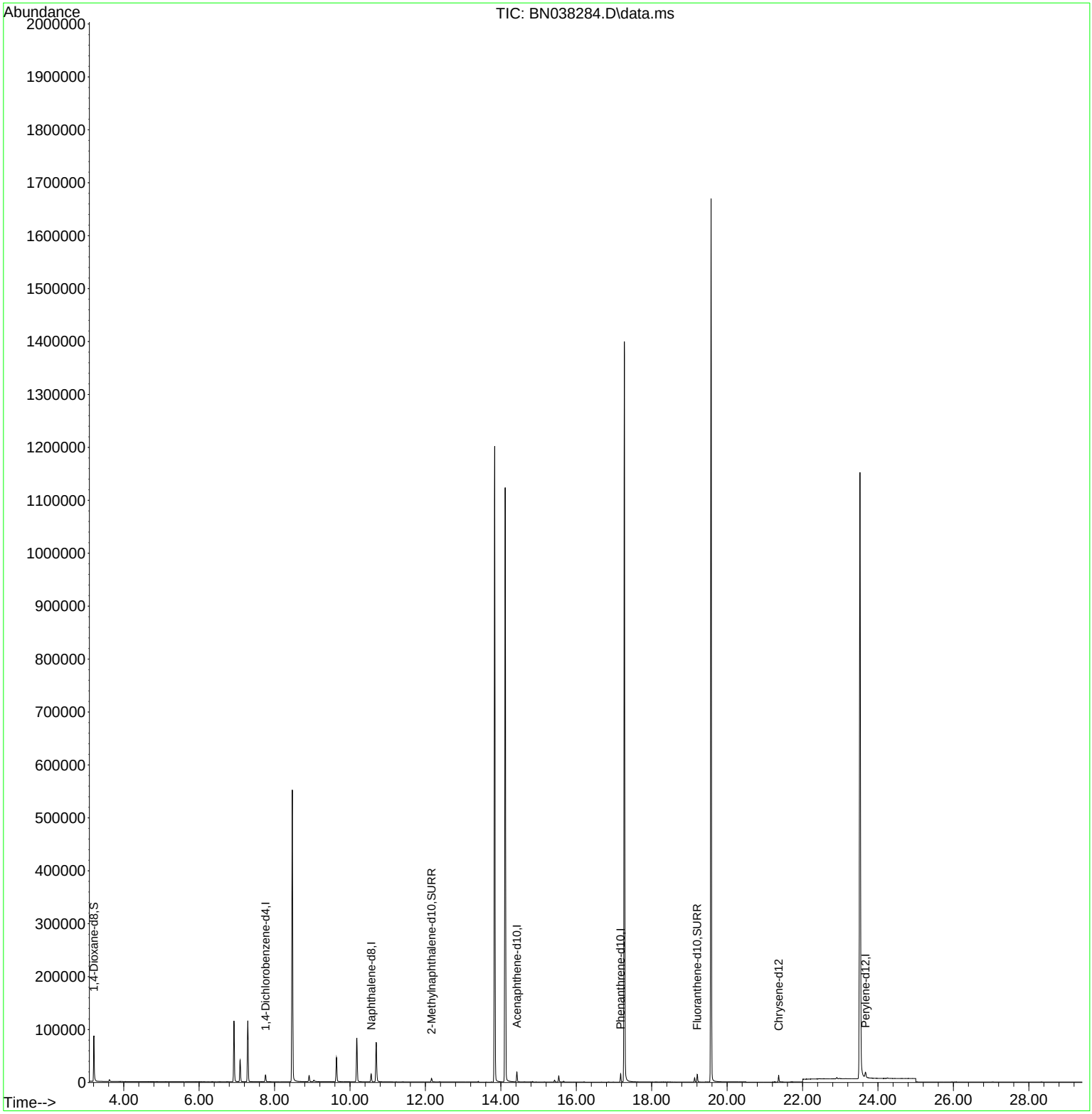
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 05 22:36:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 22:36:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	6875	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	19971	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.424	164	10197	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.176	188	17407m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.366	240	12643m	0.400	ng/ul	0.00
23) Perylene-d12	23.666	264	11341m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	52275	7.247	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	9785	0.344	ng/ul	-0.01
18) Fluoranthene-d10	19.208	212	15700	0.320	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

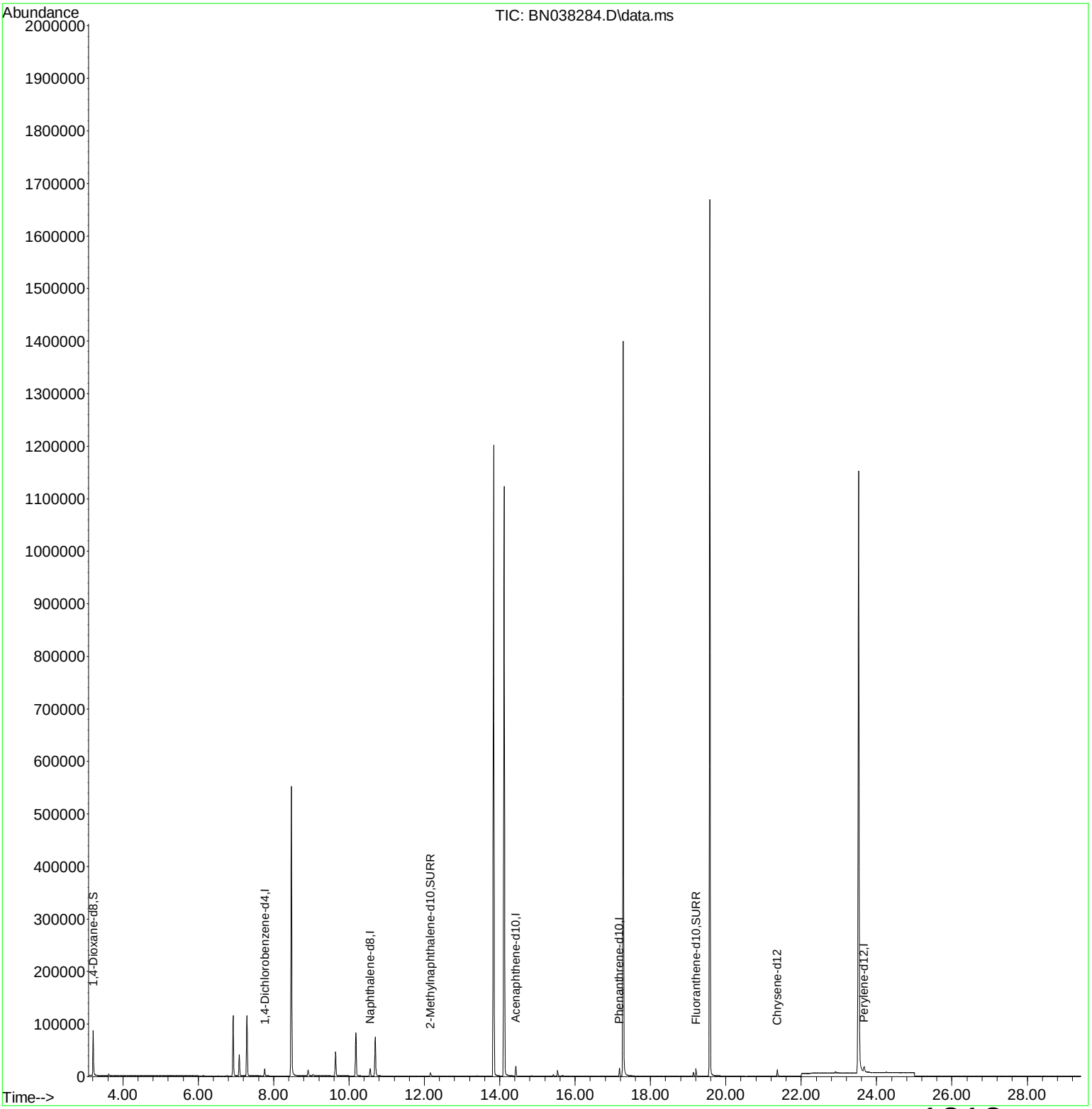
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 05 22:36:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM



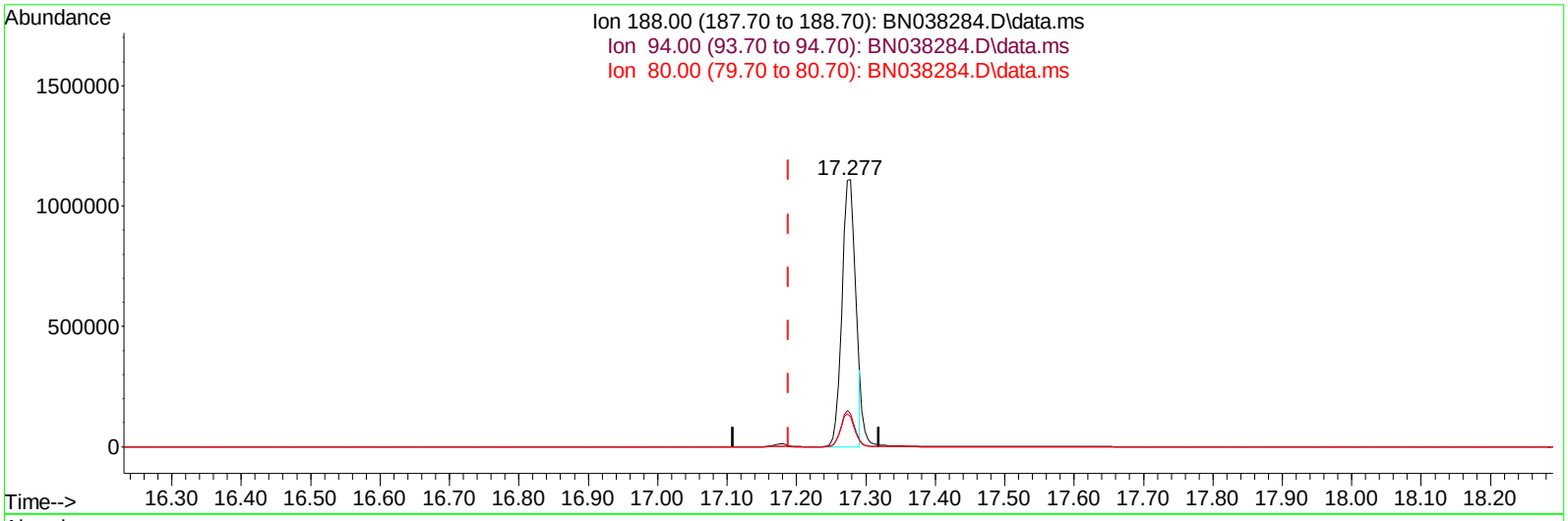
Quantitation Report (Qedit)

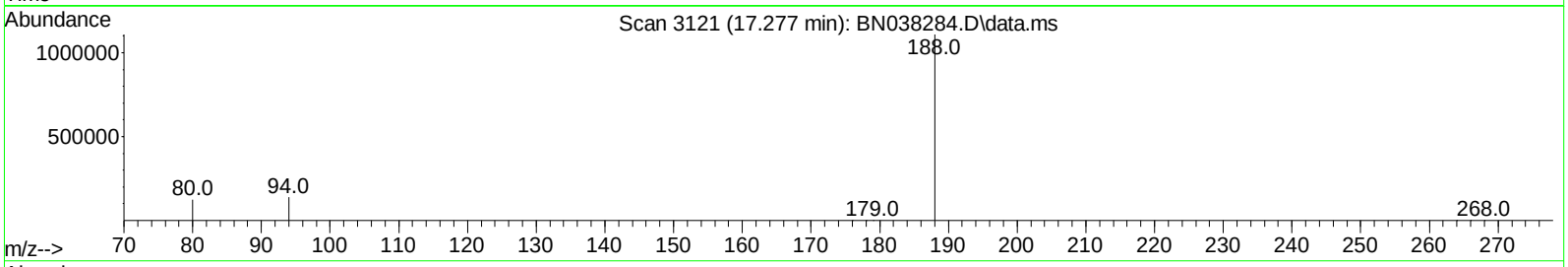
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

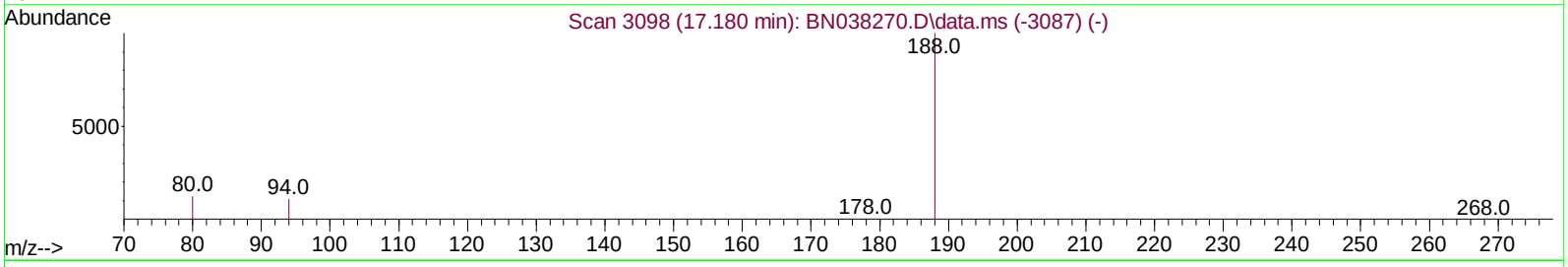
Quant Time: Dec 05 22:36:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038284.D\data.ms

(13) Phenanthrene-d10 (I)

17.277min (+ 0.089) 0.40 ng/ul

response 1491251

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	12.44
80.00	12.20	11.21
0.00	0.00	0.00

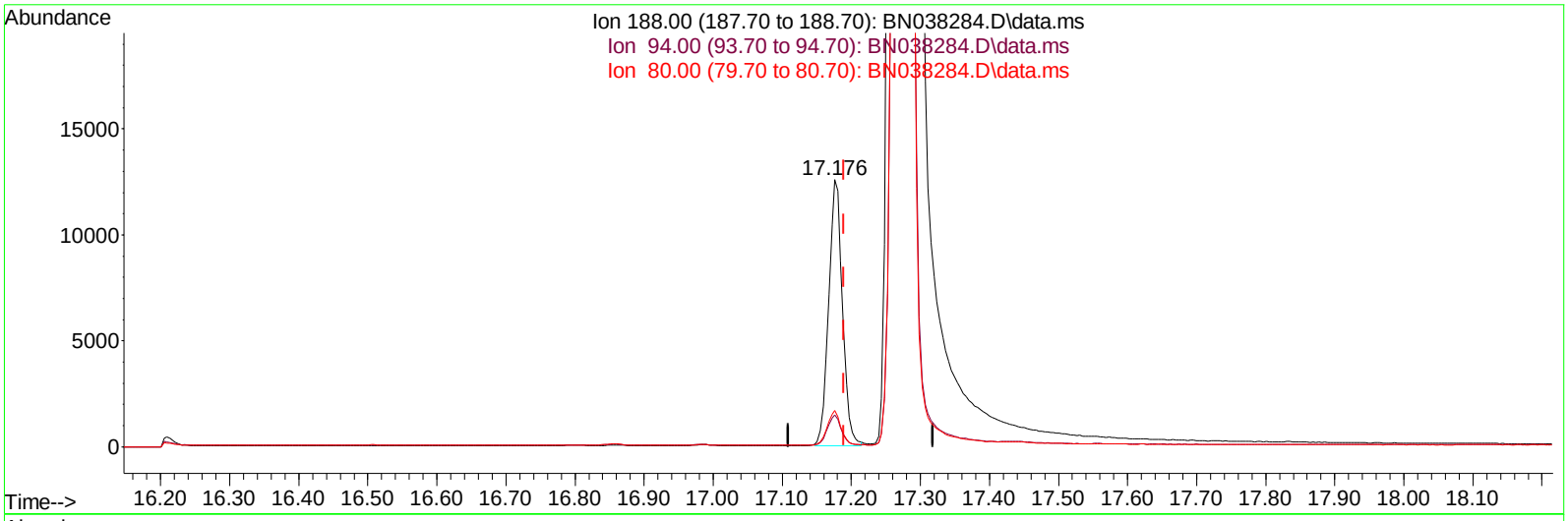
Quantitation Report (Qedit)

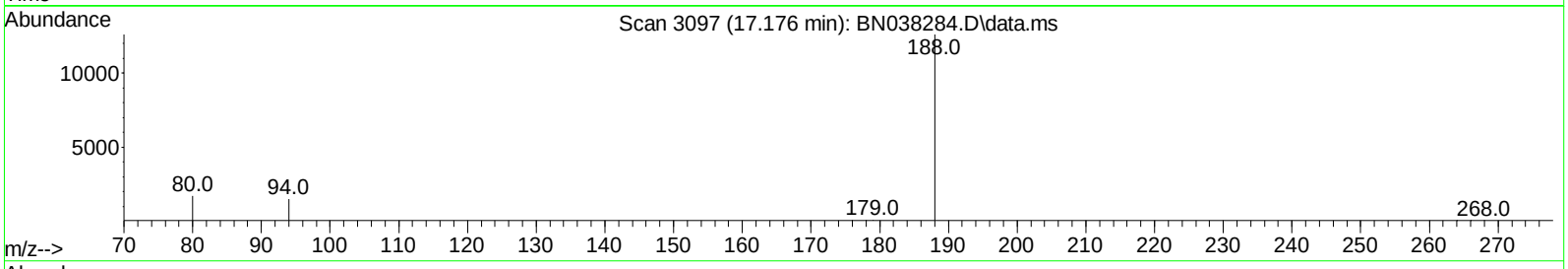
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

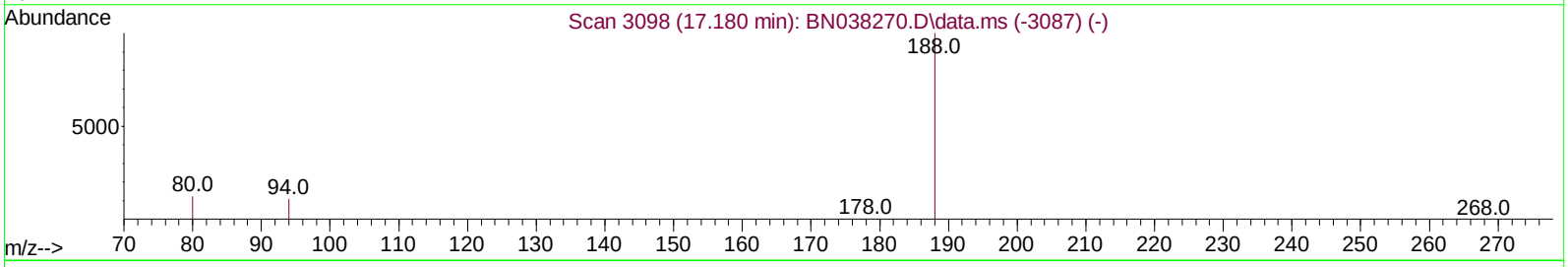
Quant Time: Dec 05 22:36:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038284.D\data.ms

(13) Phenanthrene-d10 (I)

17.176min (-0.013) 0.40 ng/ul m

response 17407

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.20	11.88
80.00	12.20	13.50
0.00	0.00	0.00

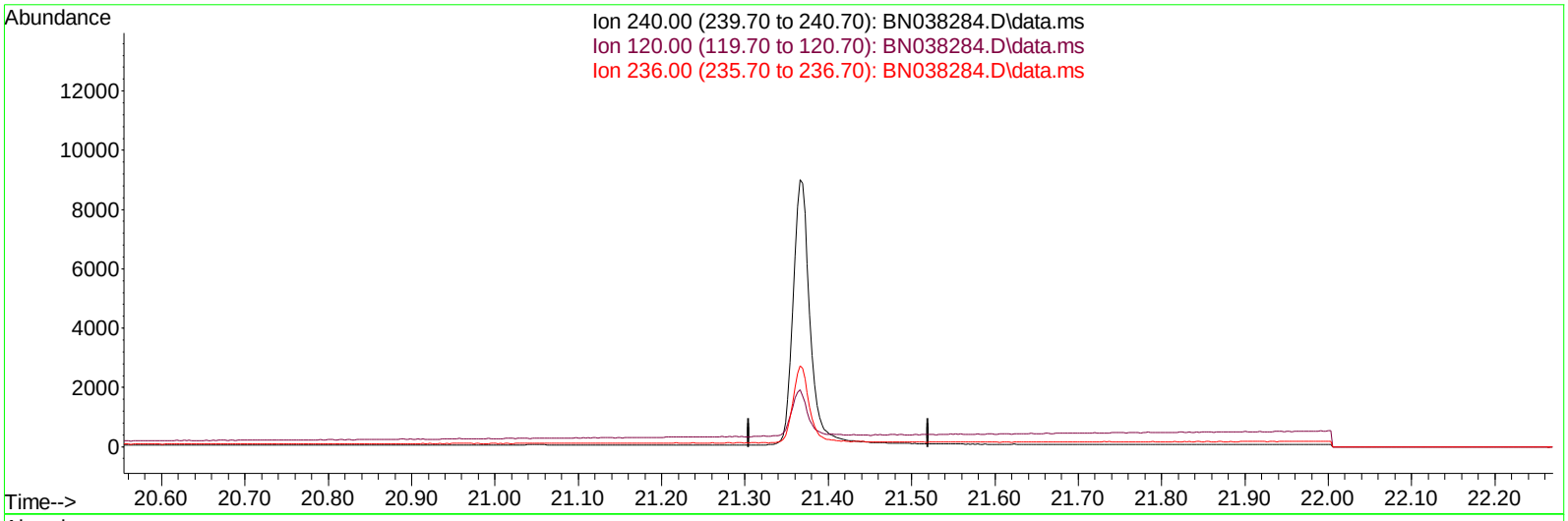
Quantitation Report (Qedit)

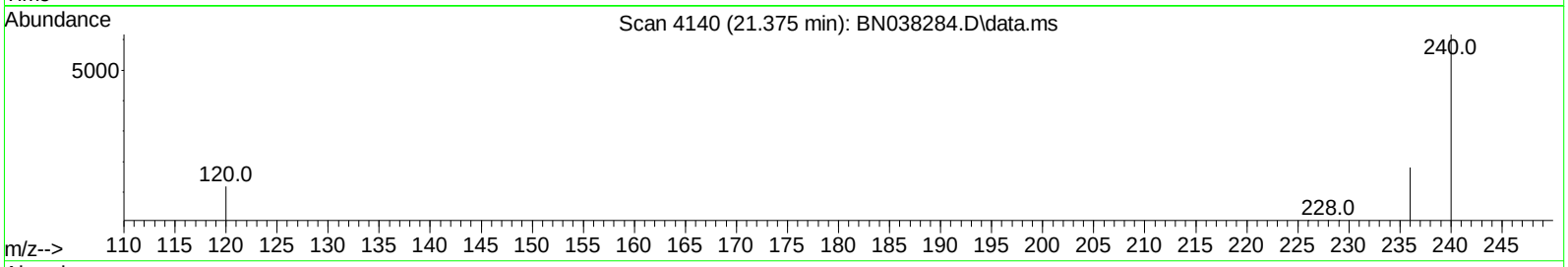
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

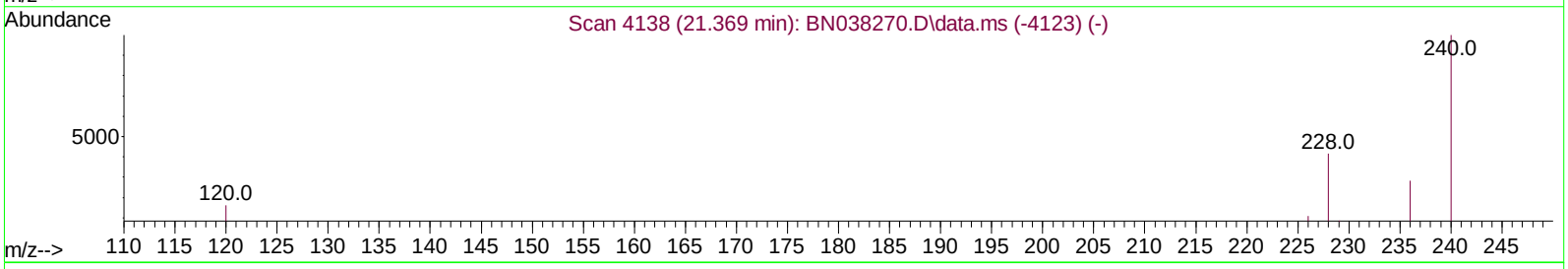
Quant Time: Dec 05 22:36:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038284.D\data.ms

(17) Chrysene-d12

21.375min (-21.375) 0.00 ng/ul

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	19.90	0.00#
236.00	29.60	0.00#
0.00	0.00	0.00

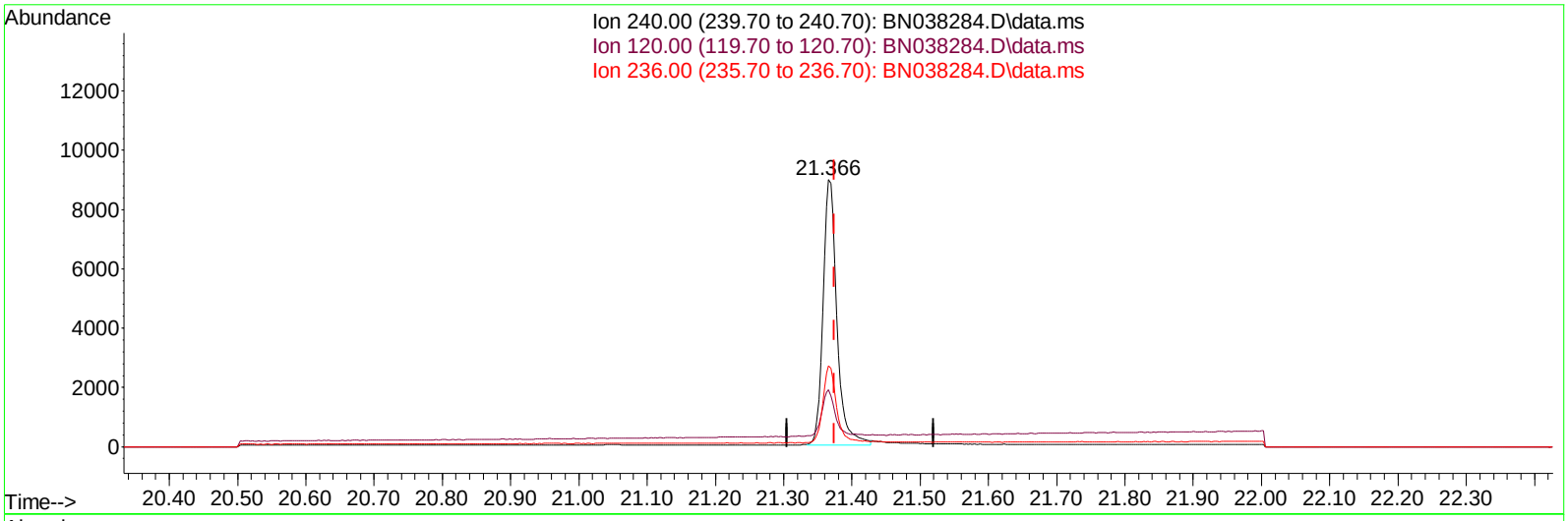
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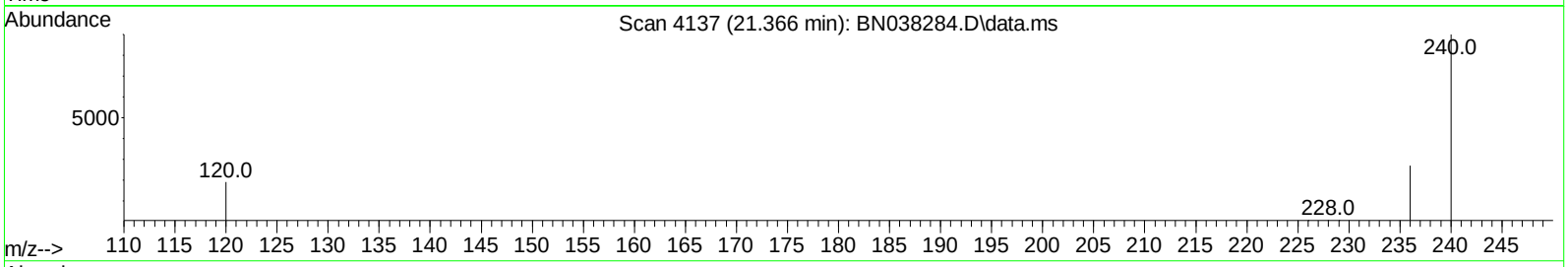
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Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

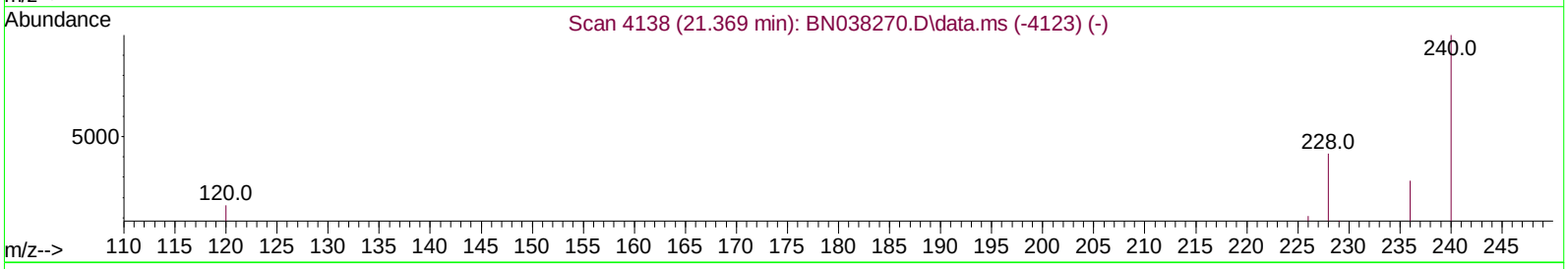
Quant Time: Dec 05 22:36:02 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038284.D\data.ms

(17) Chrysene-d12

21.366min (-0.009) 0.40 ng/ul m

response 12643

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.90	21.25
236.00	29.60	30.22
0.00	0.00	0.00

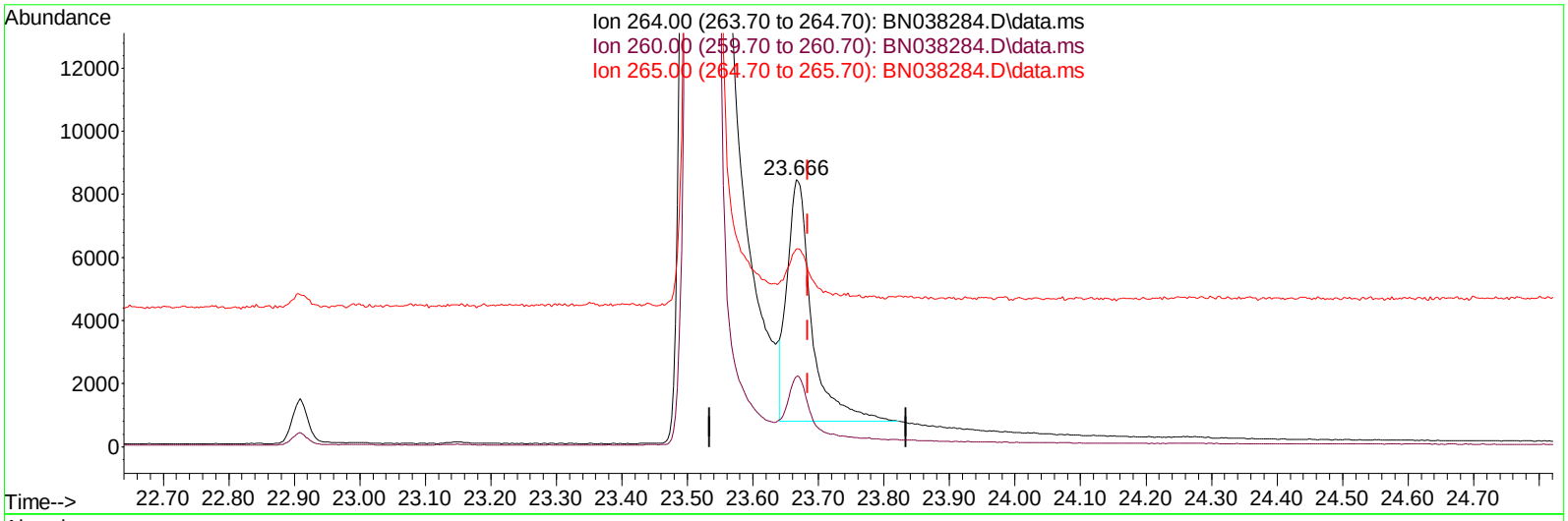
Quantitation Report (Qedit)

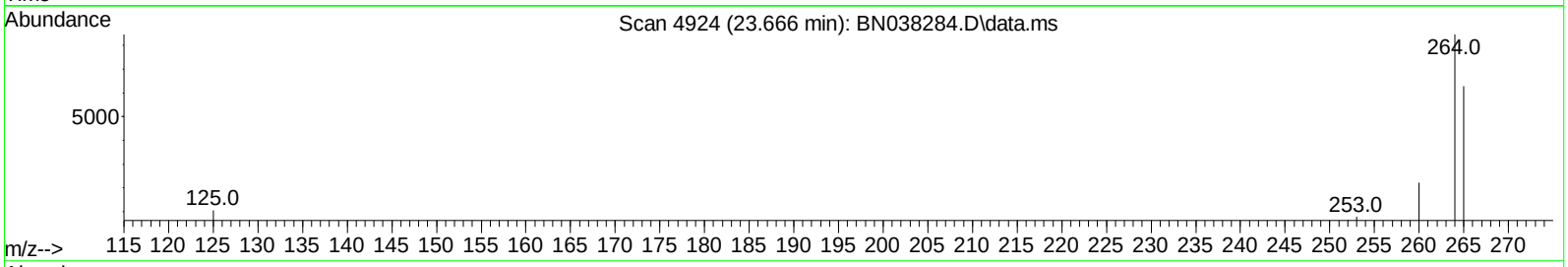
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Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

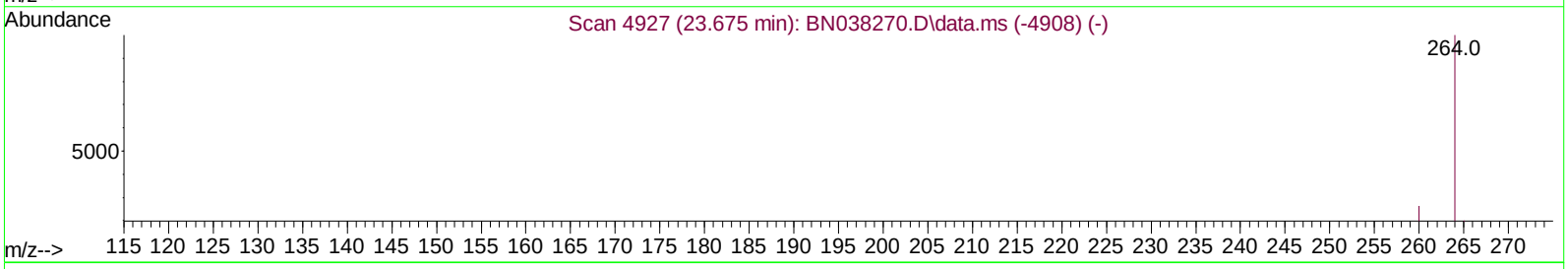
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038284.D\data.ms

(23) Perylene-d12 (I)

23.666min (-0.018) 0.40 ng/ul

response 20169

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.34
265.00	124.40	74.21#
0.00	0.00	0.00

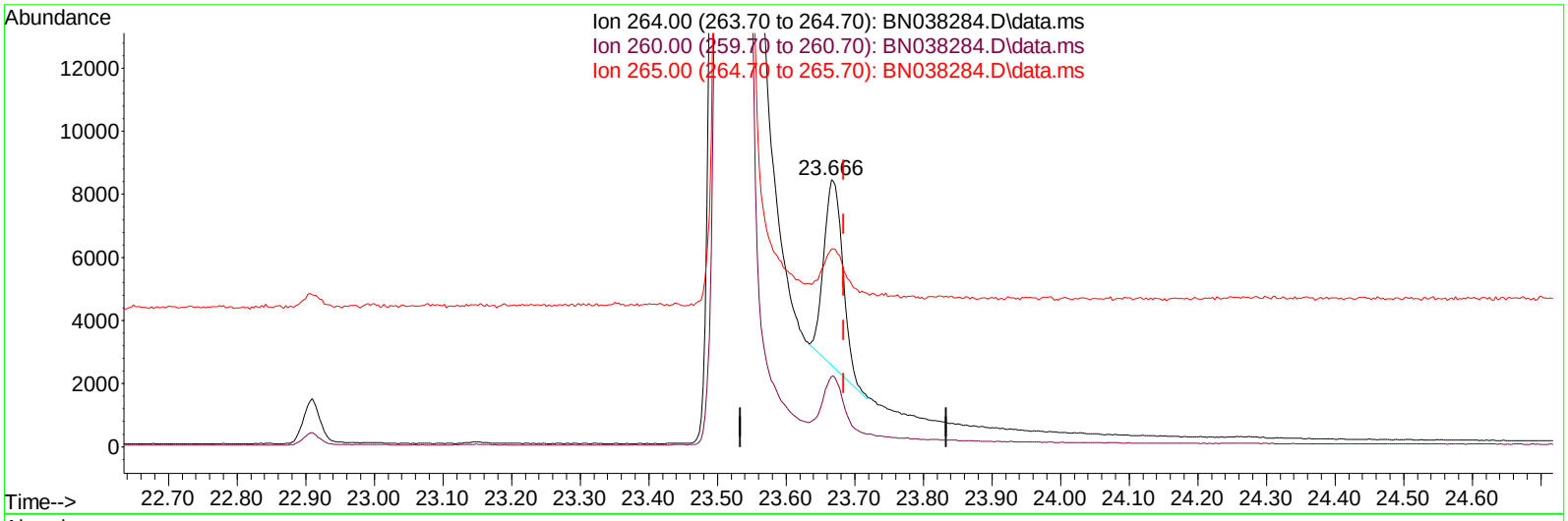
Quantitation Report (Qedit)

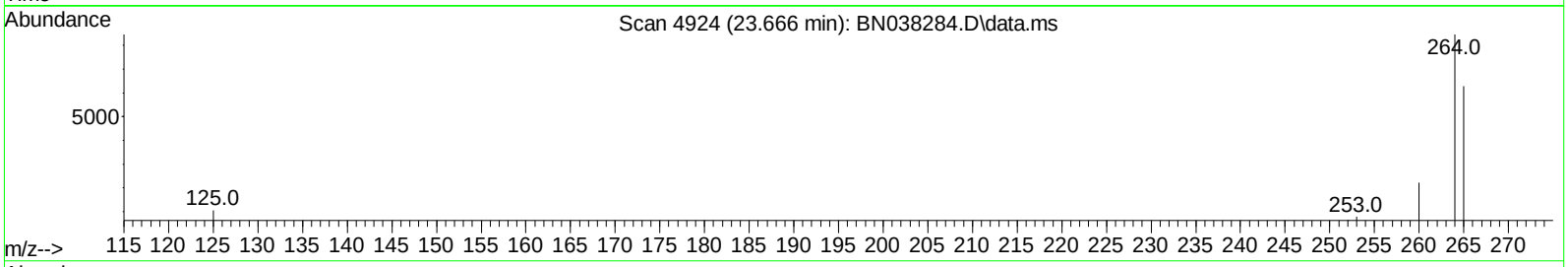
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Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

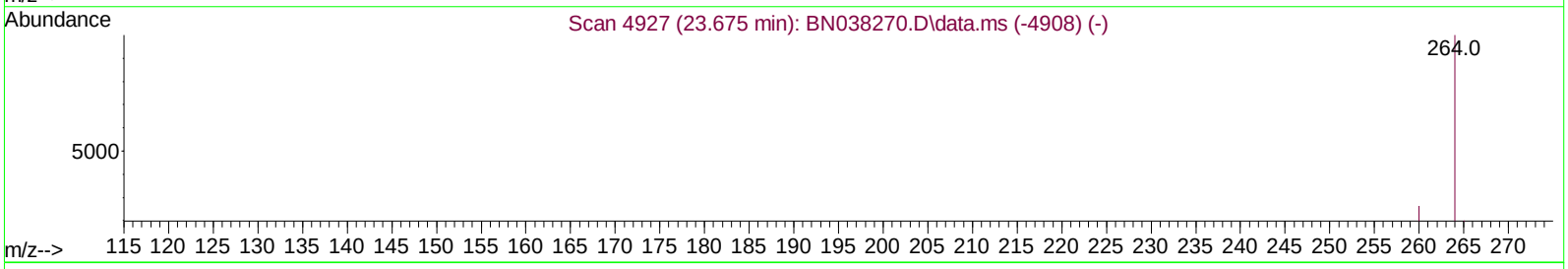
Quant Time: Dec 05 22:36:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM







TIC: BN038284.D\data.ms

(23) Perylene-d12 (I)

23.666min (-0.018) 0.40 ng/ul m

response 11341

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.34
265.00	124.40	74.21#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038284.D
Acq On : 05 Dec 2025 20:34
Operator : RC/JU
Sample : PB170724BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SBLK724

Manual Integrations APPROVED
mohammad
12/9/2025 12:44:52 AM

Quant Time: Dec 05 22:36:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	6875	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	19971	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.424	164	10197	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.176	188	17407m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.366	240	12643m	0.400	ng/ul	0.00
23) Perylene-d12	23.666	264	11341m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	52275	7.247	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	9785	0.344	ng/ul	-0.01
18) Fluoranthene-d10	19.208	212	15700	0.320	ng/ul	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMS

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-02MS
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BN038254.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

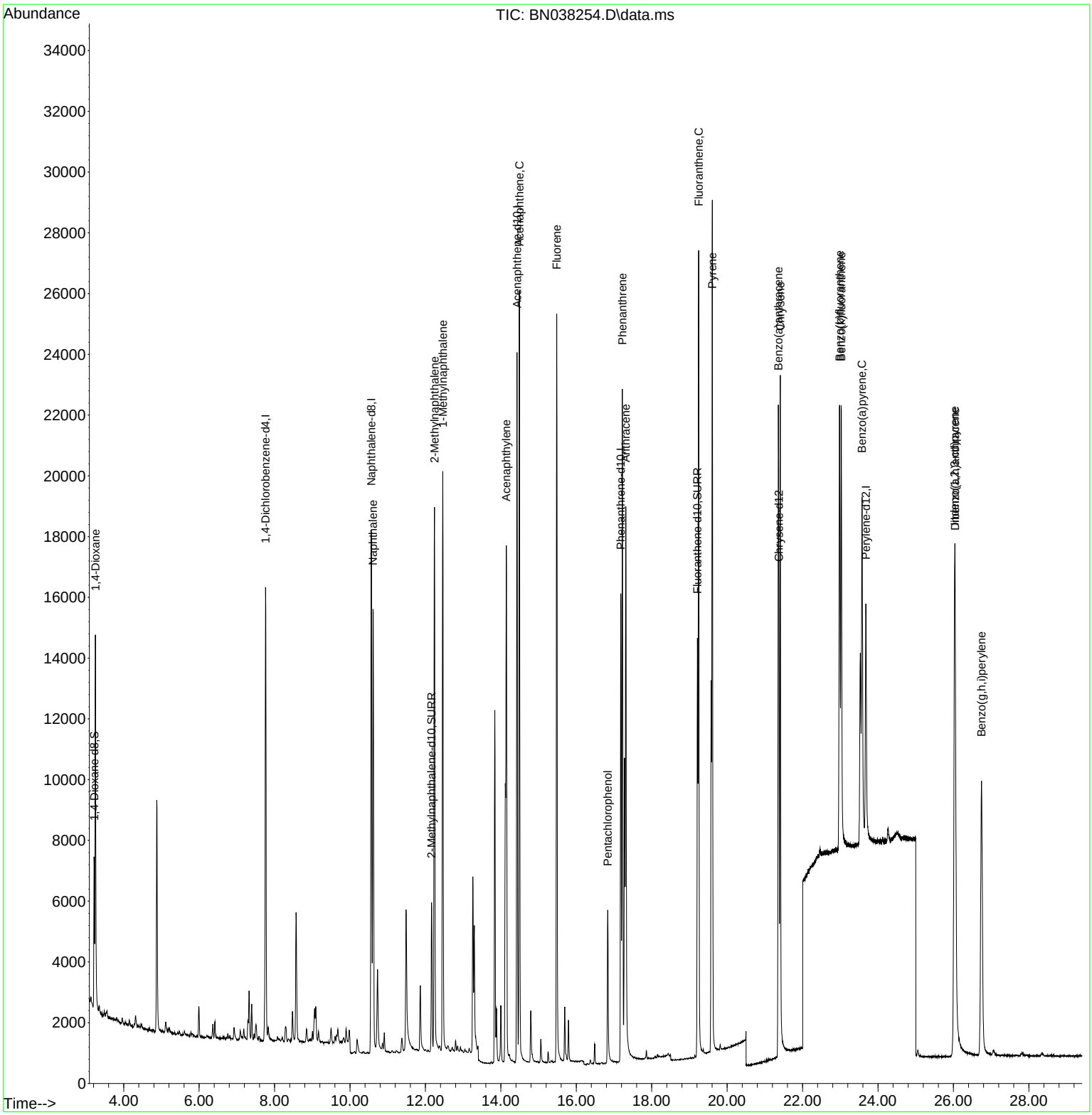
CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.96	

Quantitation Report (QT Reviewed)

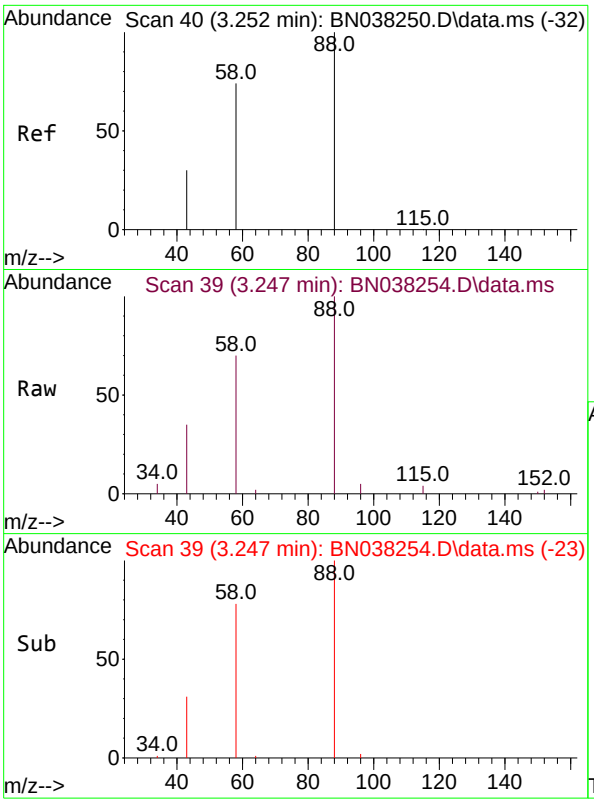
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038254.D
Acq On : 02 Dec 2025 14:36
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-31SMS

Quant Time: Dec 03 00:35:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



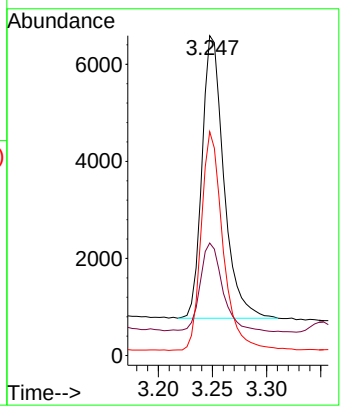
Instrument :
BNA_N
ClientSampleId :
M-31SMS

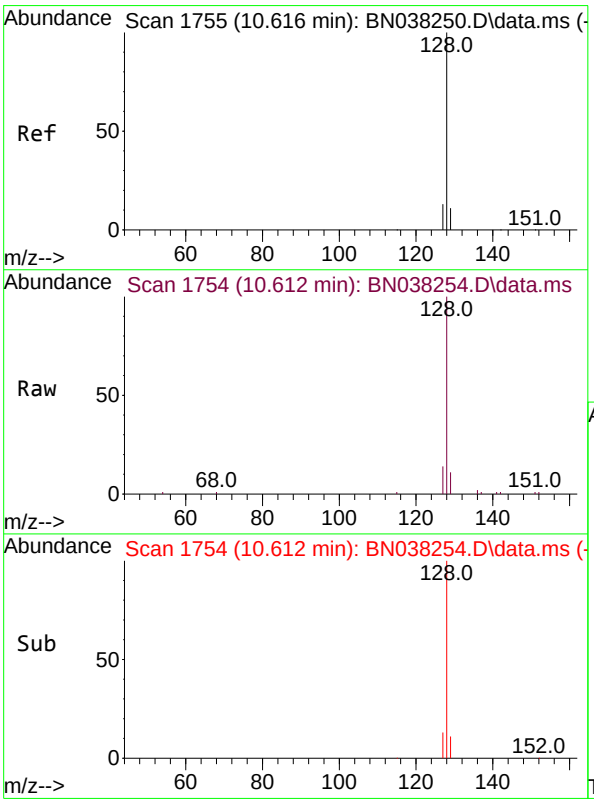


#2
1,4-Dioxane
Concen: 0.949 ng/ul
RT: 3.247 min Scan# 39
Delta R.T. -0.004 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion: 88 Resp: 8165

Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.5	41.3
58	70.0	50.5	75.7

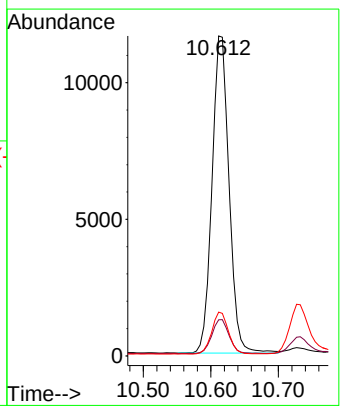


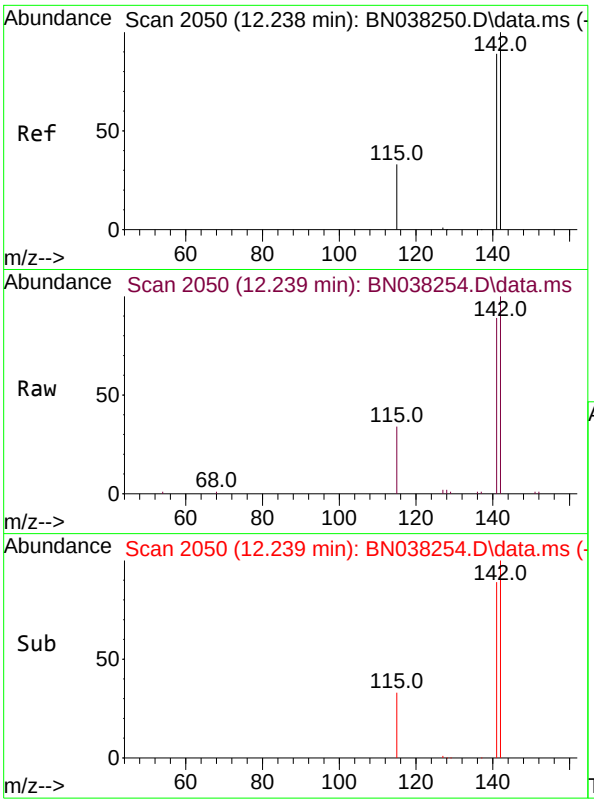


#5
Naphthalene
Concen: 0.311 ng/ul
RT: 10.612 min Scan# 1754
Delta R.T. -0.011 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:128 Resp: 20355

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.7	10.6	16.0

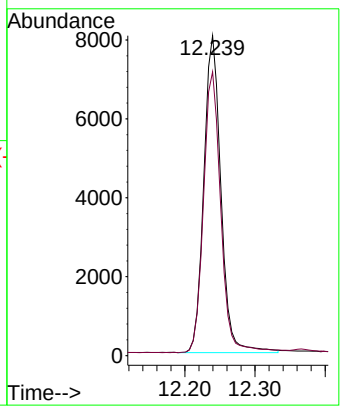




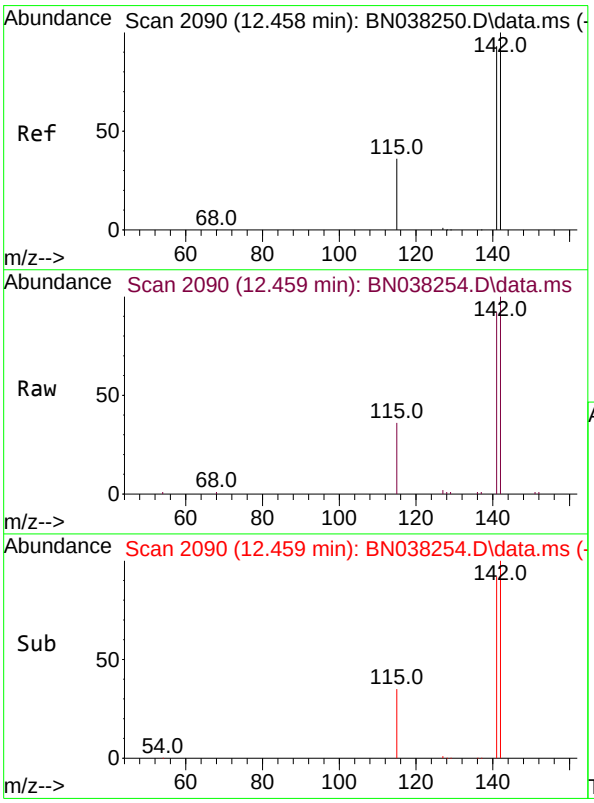
#7
2-Methylnaphthalene
Concen: 0.310 ng/ul
RT: 12.239 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:142 Resp: 13586

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5



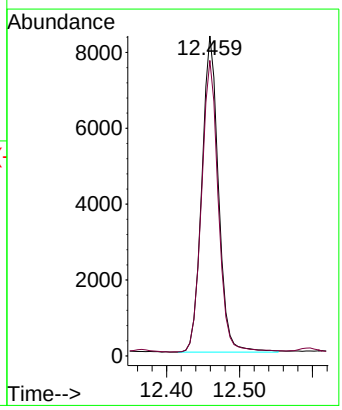
Instrument :
BNA_N
ClientSampleId :
M-31SMS



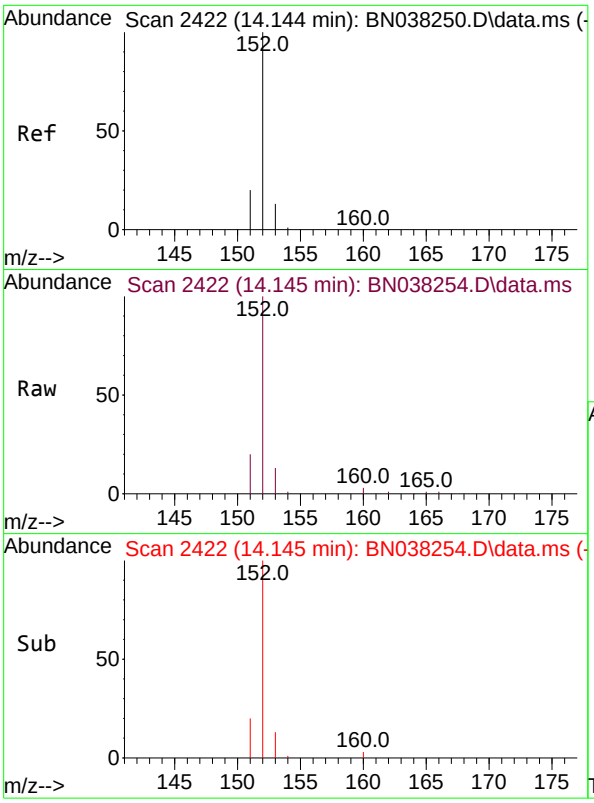
#8
1-Methylnaphthalene
Concen: 0.285 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:142 Resp: 13235

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.1	111.1



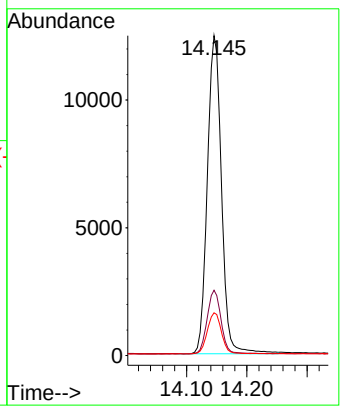
Instrument :
BNA_N
ClientSampleId :
M-31SMS

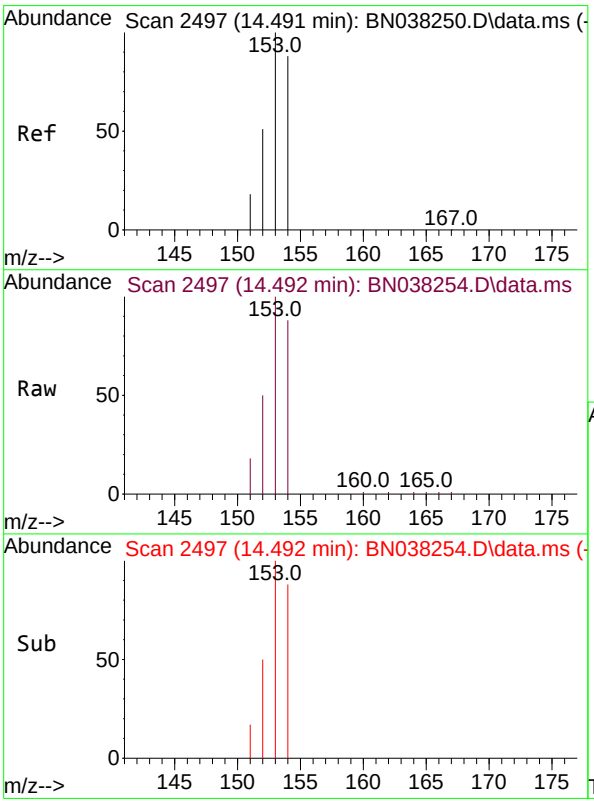


#10
Acenaphthylene
Concen: 0.340 ng/ul
RT: 14.145 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:152 Resp: 20353

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	13.4	10.7	16.1

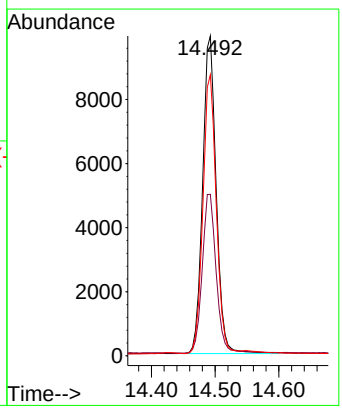


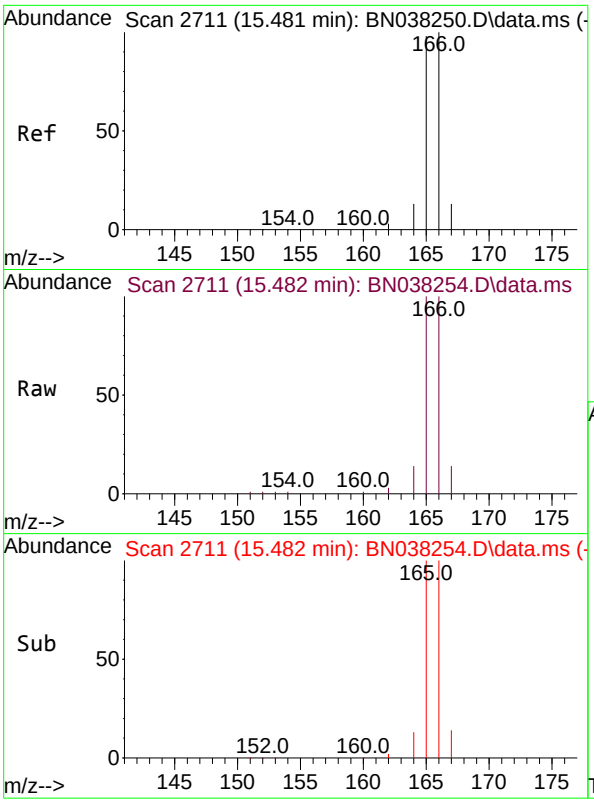


#11
Acenaphthene
Concen: 0.328 ng/ul
RT: 14.492 min Scan# 2497
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:153 Resp: 14621

Ion	Ratio	Lower	Upper
153	100		
152	50.5	41.4	62.0
154	87.8	69.7	104.5

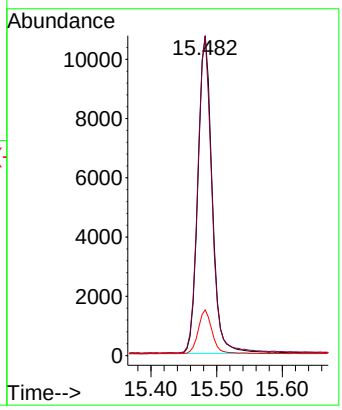




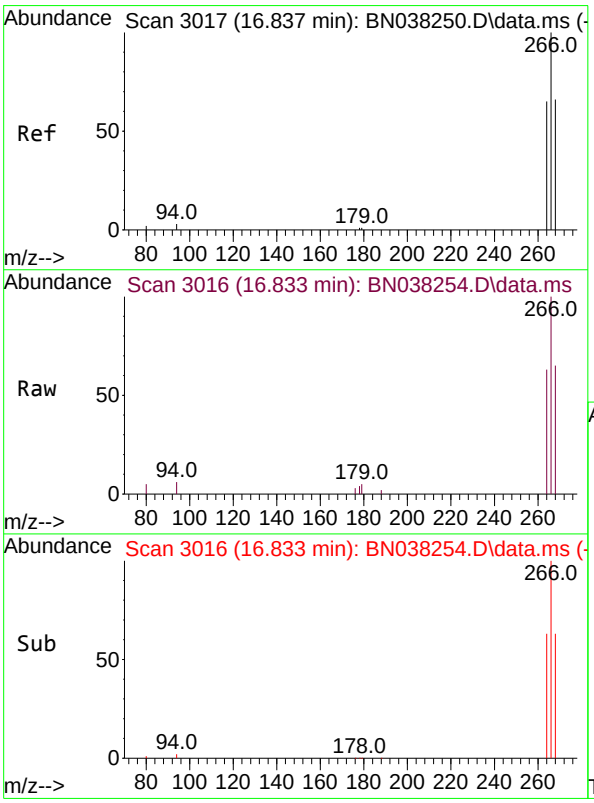
#12
Fluorene
Concen: 0.338 ng/ul
RT: 15.482 min Scan# 2711
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:166 Resp: 16151

Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.1	117.1
167	14.3	11.0	16.4



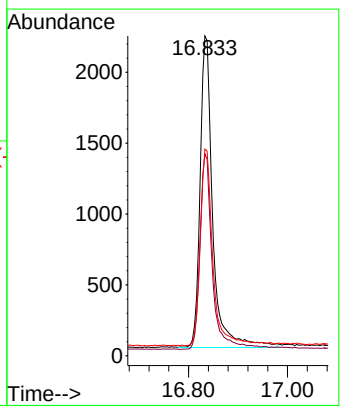
Instrument :
BNA_N
ClientSampleId :
M-31SMS



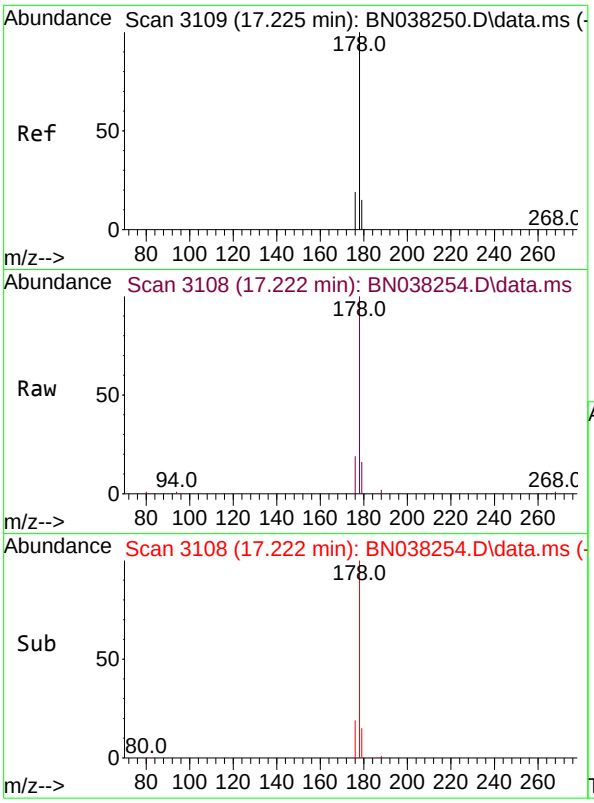
#14
Pentachlorophenol
Concen: 1.283 ng/ul
RT: 16.833 min Scan# 3016
Delta R.T. -0.014 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:266 Resp: 3864

Ion	Ratio	Lower	Upper
266	100		
264	62.0	49.3	73.9
268	63.0	53.7	80.5



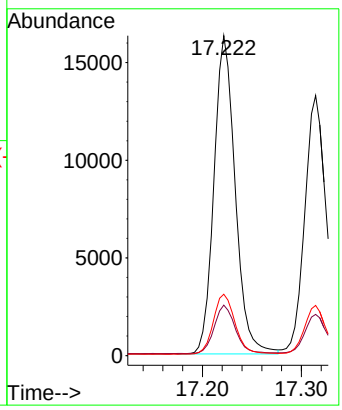
Instrument :
BNA_N
ClientSampleId :
M-31SMS

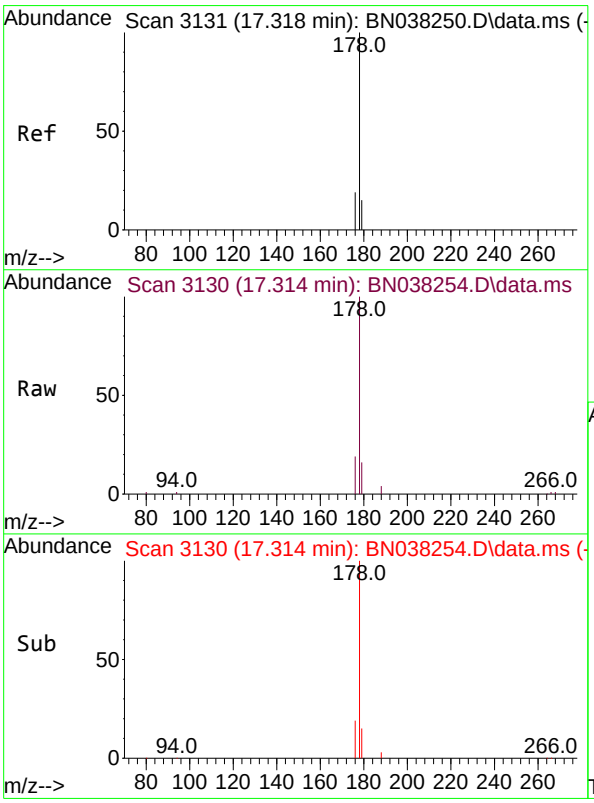


#15
Phenanthrene
Concen: 0.414 ng/ul
RT: 17.222 min Scan# 3108
Delta R.T. -0.009 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:178 Resp: 24361

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	19.2	15.8	23.6

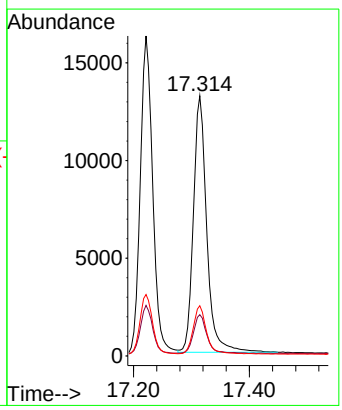




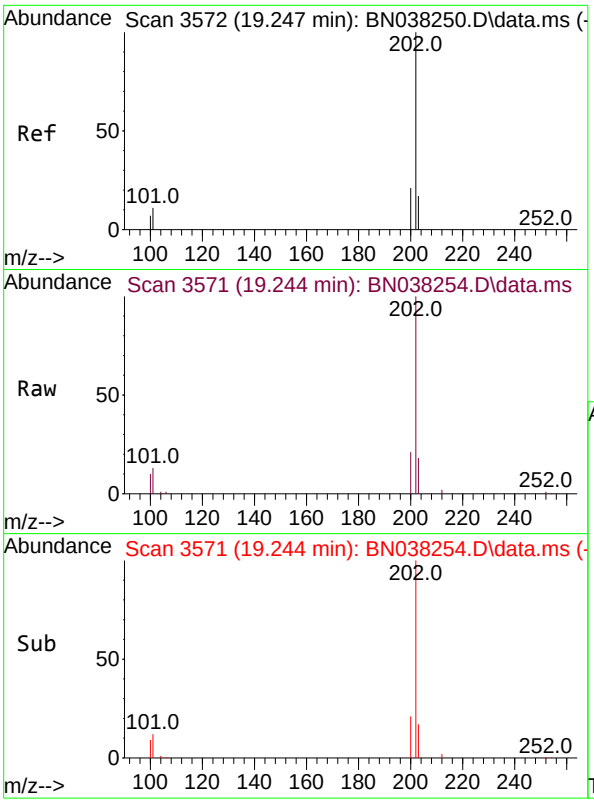
#16
Anthracene
Concen: 0.420 ng/ul
RT: 17.314 min Scan# 3130
Delta R.T. -0.009 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:178 Resp: 20975

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2
176	19.3	15.4	23.2



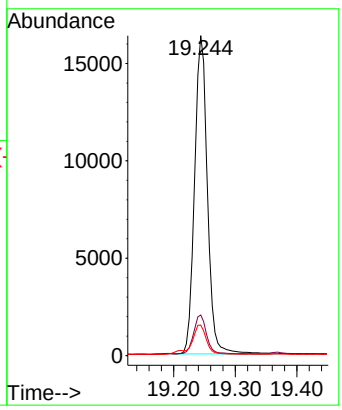
Instrument :
BNA_N
ClientSampleId :
M-31SMS

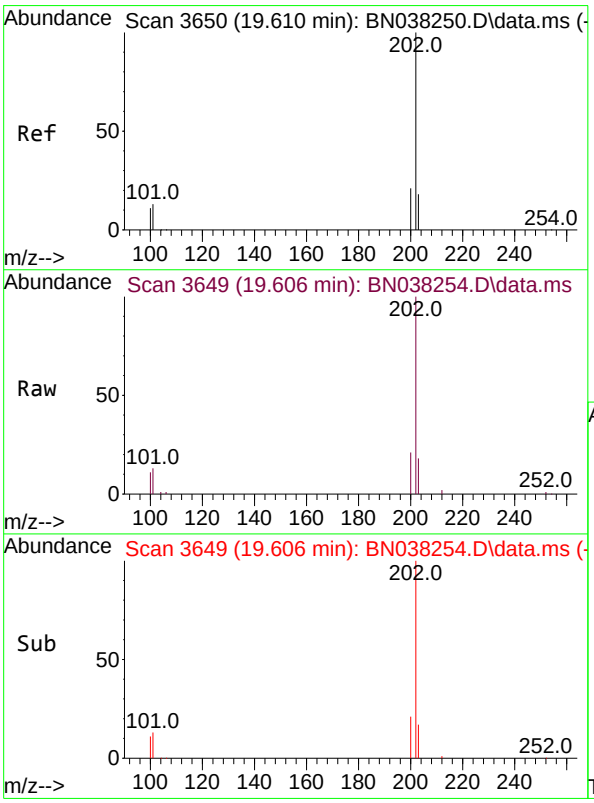


#19
Fluoranthene
Concen: 0.397 ng/ul
RT: 19.244 min Scan# 3571
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:202 Resp: 23525

Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.3	13.9
100	9.5	7.2	10.8

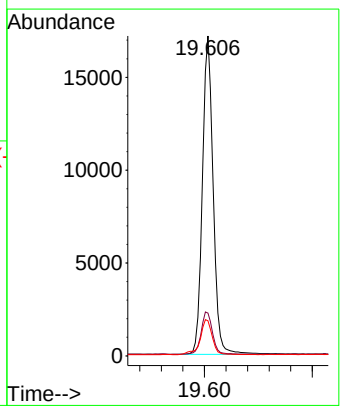




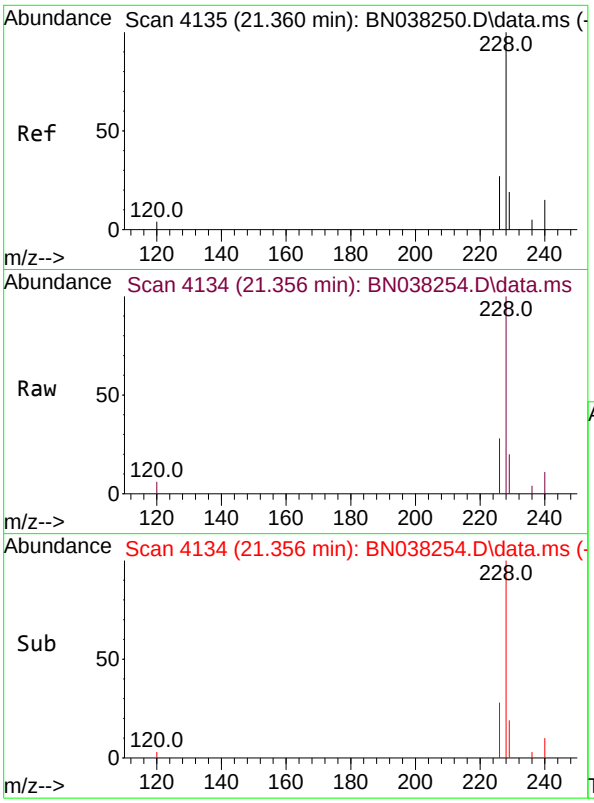
#20
Pyrene
Concen: 0.405 ng/ul
RT: 19.606 min Scan# 3649
Delta R.T. -0.006 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:202 Resp: 23779

Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.6	16.0
100	11.0	8.5	12.7



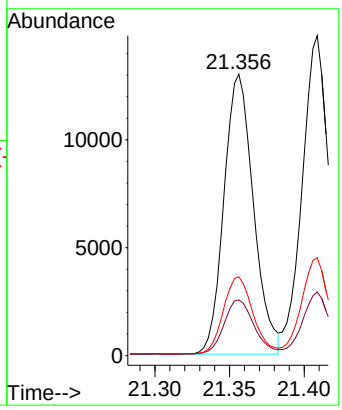
Instrument :
BNA_N
ClientSampleId :
M-31SMS

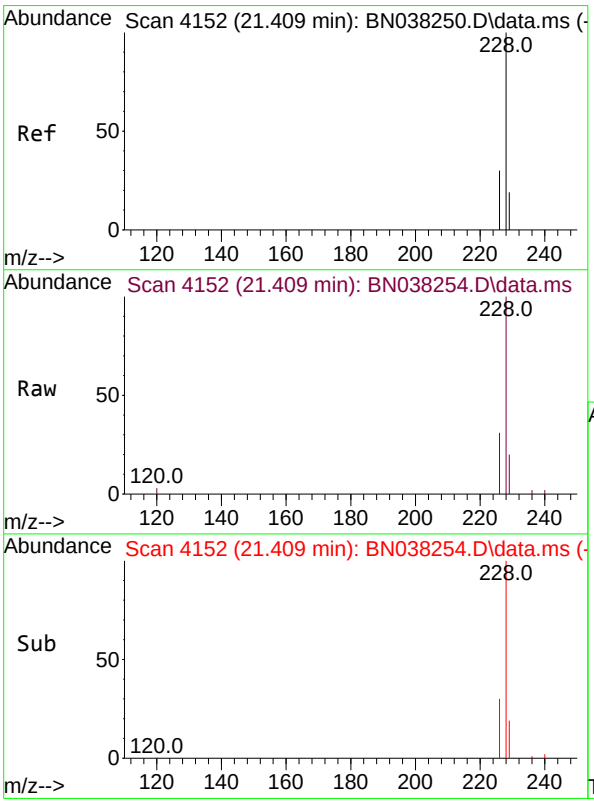


#21
Benzo(a)anthracene
Concen: 0.481 ng/ul
RT: 21.356 min Scan# 4134
Delta R.T. -0.001 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:228 Resp: 17834

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.6	23.4
226	28.0	22.4	33.6

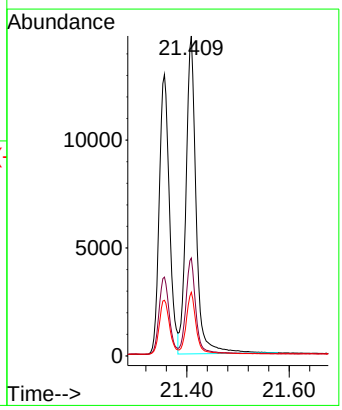


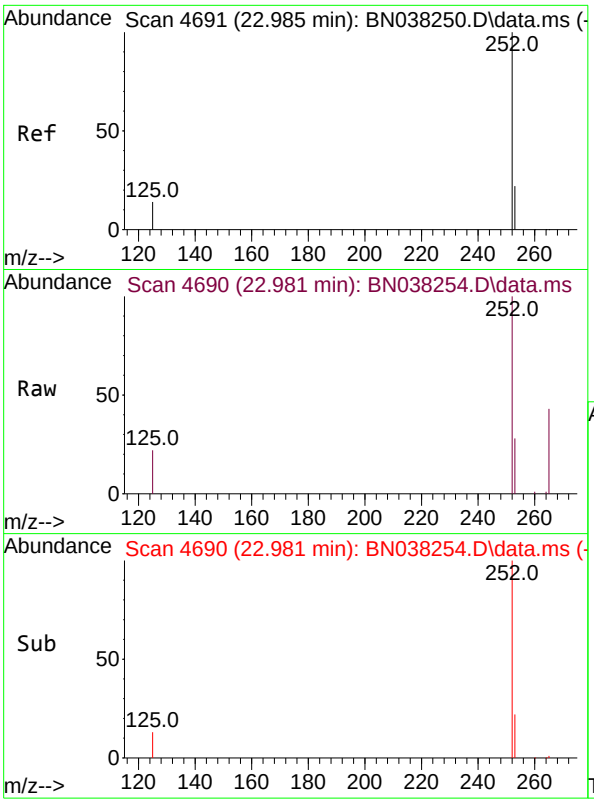


#22
Chrysene
Concen: 0.439 ng/ul
RT: 21.409 min Scan# 4152
Delta R.T. -0.001 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:228 Resp: 20201

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.4
229	19.9	15.4	23.0

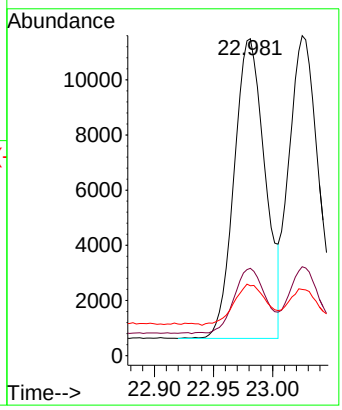




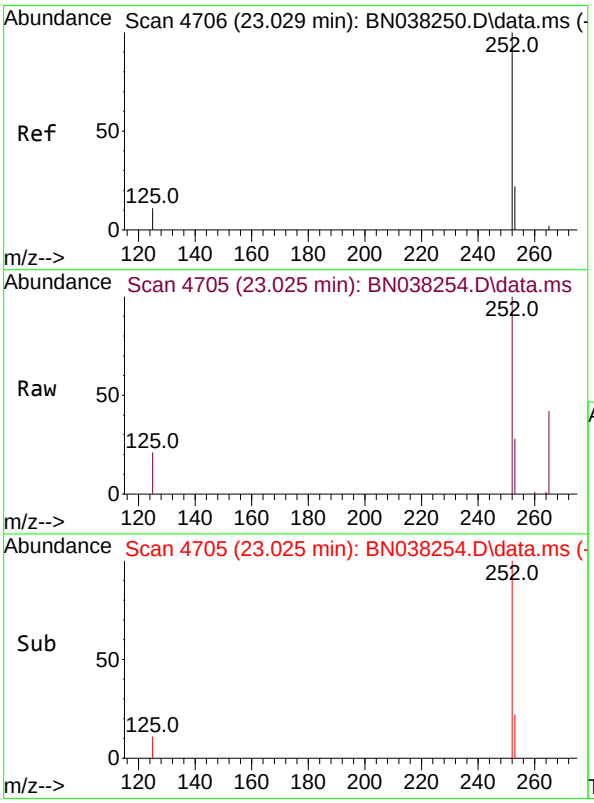
#24
Benzo(b)fluoranthene
Concen: 0.451 ng/ul
RT: 22.981 min Scan# 4690
Delta R.T. -0.001 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:252 Resp: 19800

Ion	Ratio	Lower	Upper
252	100		
253	27.5	0.0	55.8
125	22.0	0.0	45.6



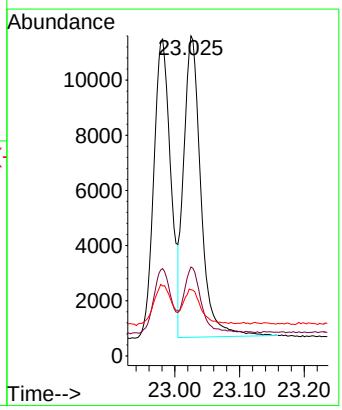
Instrument :
BNA_N
ClientSampleId :
M-31SMS

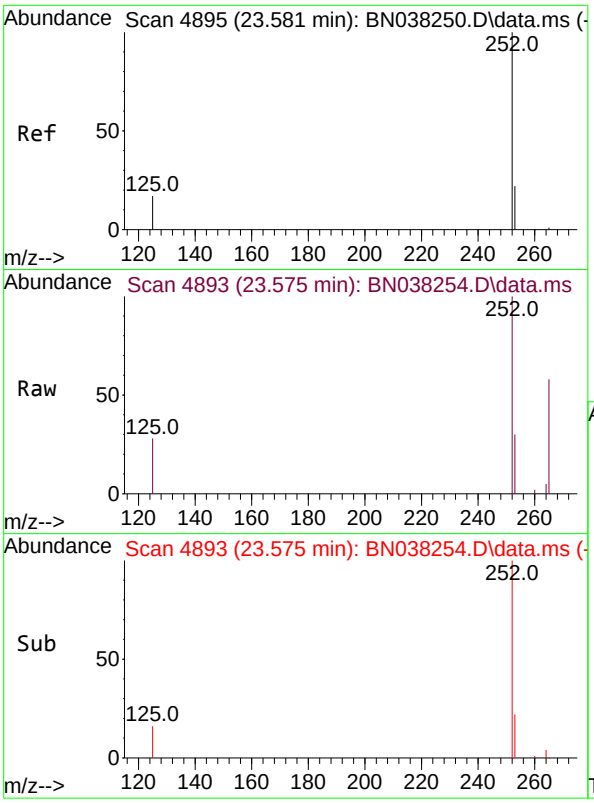


#25
Benzo(k)fluoranthene
Concen: 0.437 ng/ul
RT: 23.025 min Scan# 4705
Delta R.T. -0.004 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:252 Resp: 20182

Ion	Ratio	Lower	Upper
252	100		
253	27.8	22.9	34.3
125	20.7	17.7	26.5

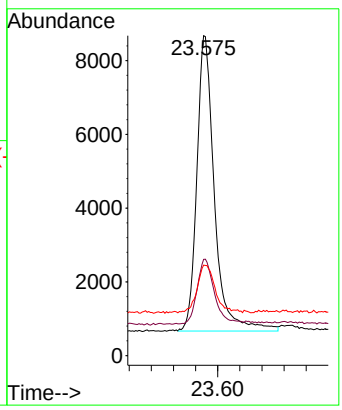




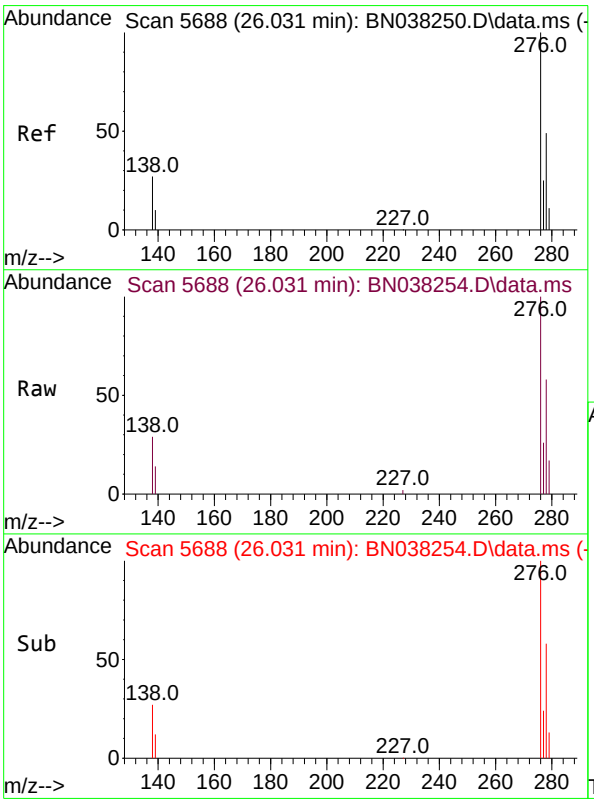
#26
Benzo(a)pyrene
Concen: 0.446 ng/ul
RT: 23.575 min Scan# 4893
Delta R.T. -0.007 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:252 Resp: 17688

Ion	Ratio	Lower	Upper
252	100		
253	30.1	25.9	38.9
125	28.3	24.6	37.0



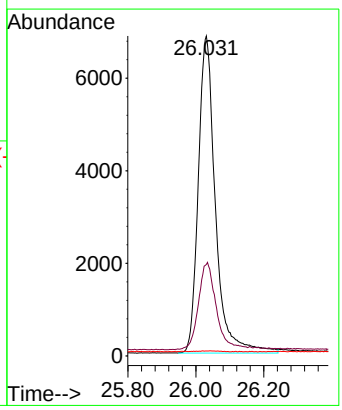
Instrument :
BNA_N
ClientSampleId :
M-31SMS

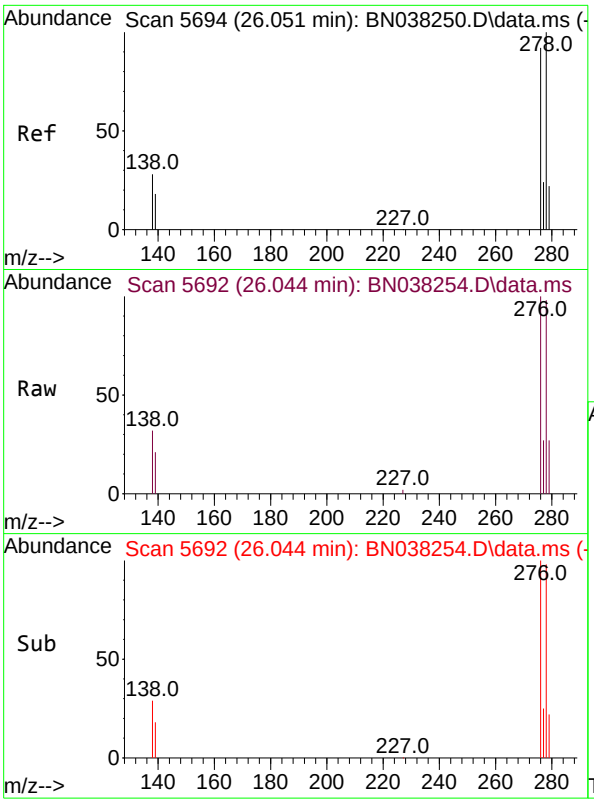


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.509 ng/ul
RT: 26.031 min Scan# 5688
Delta R.T. -0.008 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:276 Resp: 24007

Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.9	34.3
227	0.3	0.0	0.0#

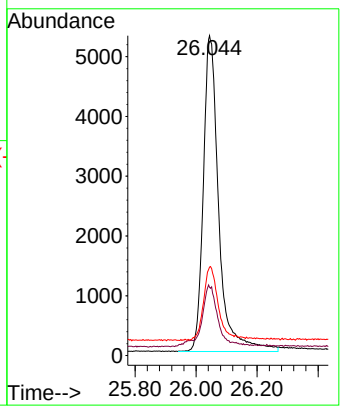


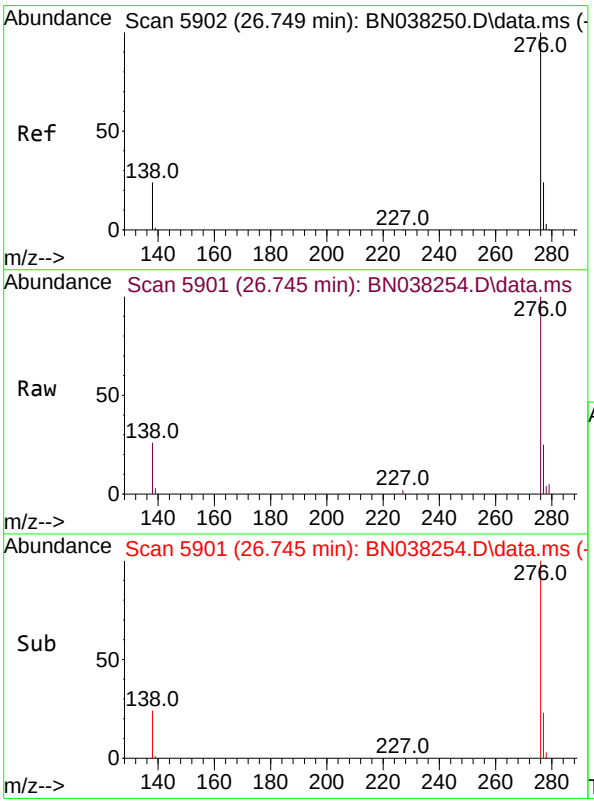


#28
Dibenzo(a,h)anthracene
Concen: 0.562 ng/ul
RT: 26.044 min Scan# 5692
Delta R.T. -0.011 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:278 Resp: 18612

Ion	Ratio	Lower	Upper
278	100		
139	21.3	18.1	27.1
279	27.7	25.0	37.4

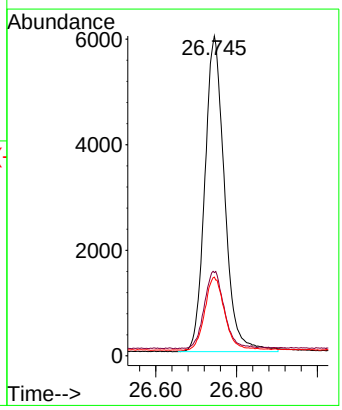




#29
Benzo(g,h,i)perylene
Concen: 0.457 ng/ul
RT: 26.745 min Scan# 5901
Delta R.T. -0.008 min
Lab File: BN038254.D
Acq: 02 Dec 2025 14:36

Tgt Ion:276 Resp: 20276

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.6	32.4
277	24.6	19.8	29.6



Instrument :
BNA_N
ClientSampleId :
M-31SMS

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038254.D
Acq On : 02 Dec 2025 14:36
Operator : RC/JU
Sample : Q3688-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : M-31SMS

Quant Time: Dec 03 00:35:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7612	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	24125	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	12757	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	18778	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	11093	0.400	ng/ul	0.00
23) Perylene-d12	23.680	264	11208	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	3025	0.379	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.162	152	6768	0.197	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	15453	0.358	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	8165	0.949	ng/ul	94
5) Naphthalene	10.612	128	20355	0.311	ng/ul	99
7) 2-Methylnaphthalene	12.239	142	13586	0.310	ng/ul	99
8) 1-Methylnaphthalene	12.459	142	13235	0.285	ng/ul	100
10) Acenaphthylene	14.145	152	20353	0.340	ng/ul	99
11) Acenaphthene	14.492	153	14621	0.328	ng/ul	99
12) Fluorene	15.482	166	16151	0.338	ng/ul	98
14) Pentachlorophenol	16.833	266	3864	1.283	ng/ul	97
15) Phenanthrene	17.222	178	24361	0.414	ng/ul	99
16) Anthracene	17.314	178	20975	0.420	ng/ul	100
19) Fluoranthene	19.244	202	23525	0.397	ng/ul	98
20) Pyrene	19.606	202	23779	0.405	ng/ul	99
21) Benzo(a)anthracene	21.356	228	17834	0.481	ng/ul	100
22) Chrysene	21.409	228	20201	0.439	ng/ul	99
24) Benzo(b)fluoranthene	22.981	252	19800	0.451	ng/ul	99
25) Benzo(k)fluoranthene	23.025	252	20182	0.437	ng/ul	98
26) Benzo(a)pyrene	23.575	252	17688	0.446	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.031	276	24007	0.509	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.044	278	18612	0.562	ng/ul	95
29) Benzo(g,h,i)perylene	26.745	276	20276	0.457	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
M-31SMSD

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : Q3688-03MSD
Sample wt/vol : 990 (g/mL) mL
Lab File ID : BN038255.D
% Solids :
Date Received : 11/19/2025
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : 6 Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

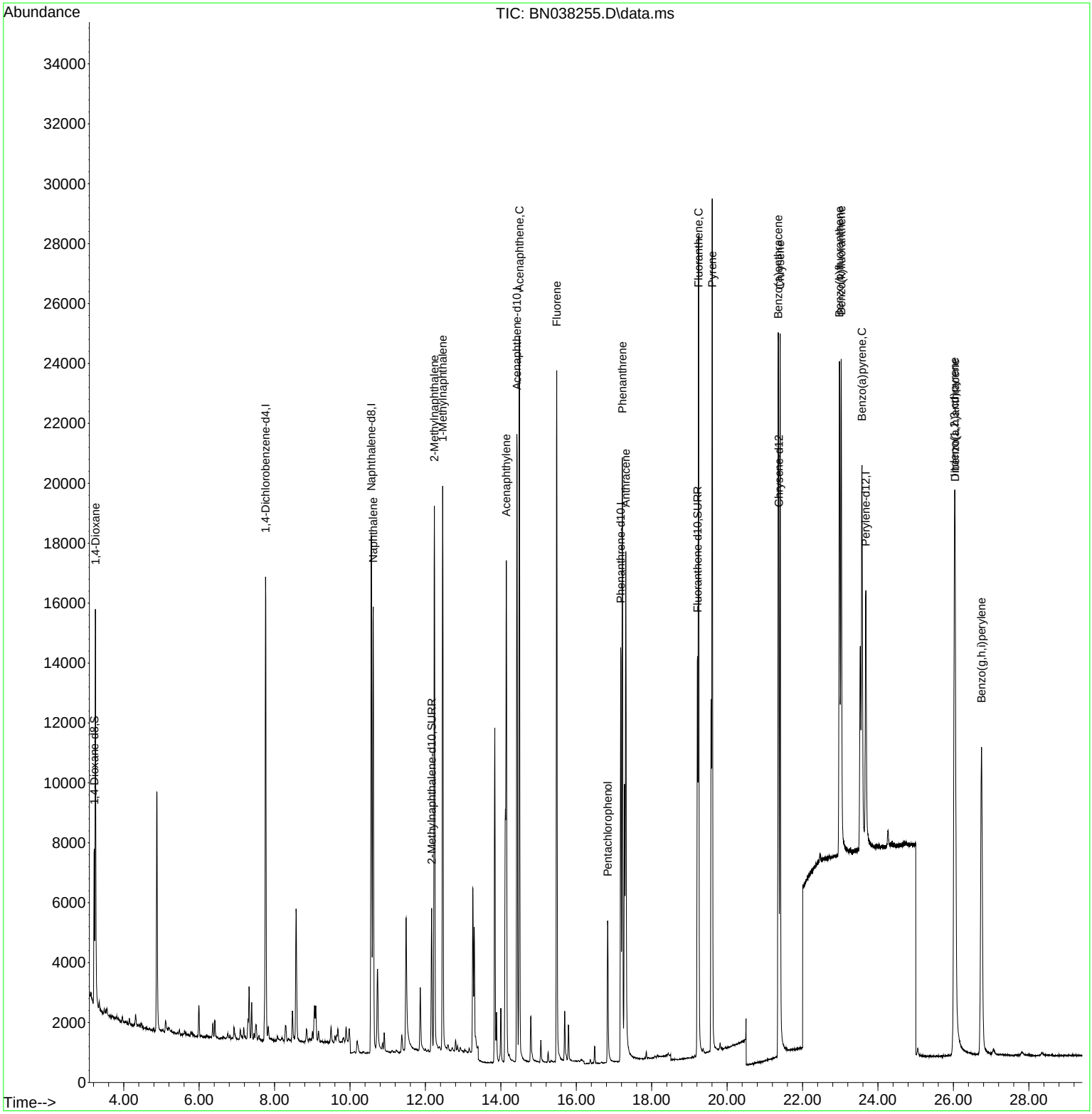
CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.97	

Quantitation Report (QT Reviewed)

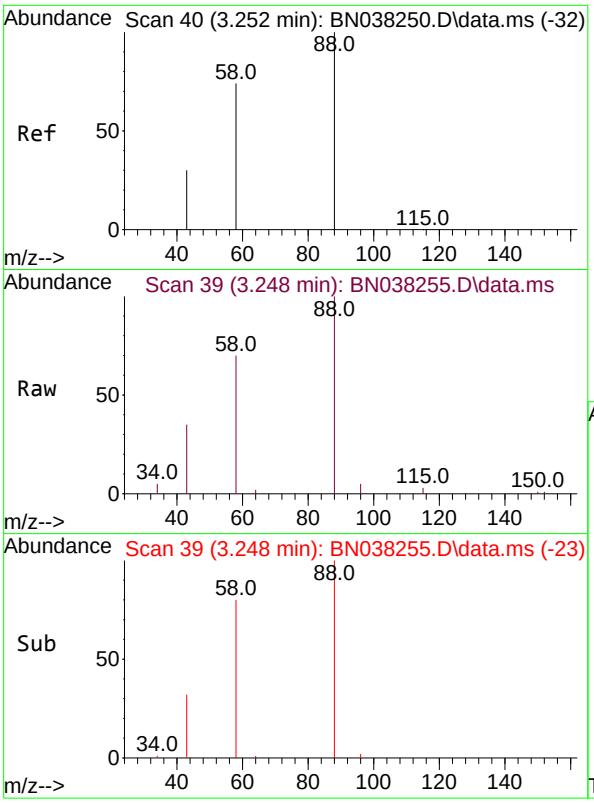
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038255.D
Acq On : 02 Dec 2025 15:13
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Quant Time: Dec 03 00:36:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



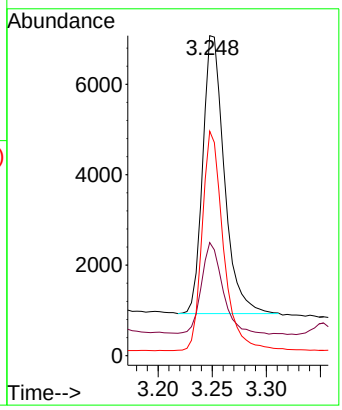
Instrument :
BNA_N
ClientSampleId :
M-31SMSD

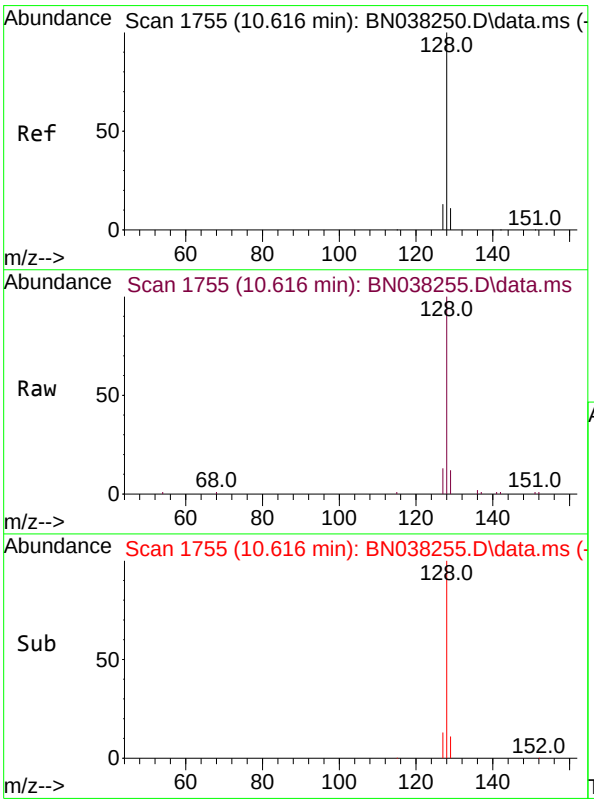


#2
1,4-Dioxane
Concen: 0.962 ng/ul
RT: 3.248 min Scan# 39
Delta R.T. -0.004 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion: 88 Resp: 8524

Ion	Ratio	Lower	Upper
88	100		
43	35.3	27.5	41.3
58	70.1	50.5	75.7

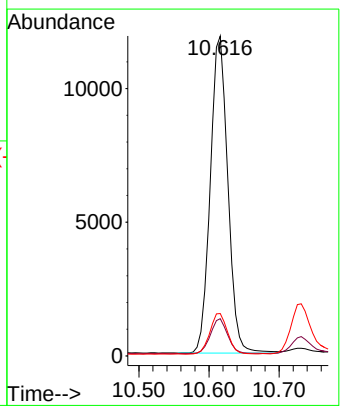


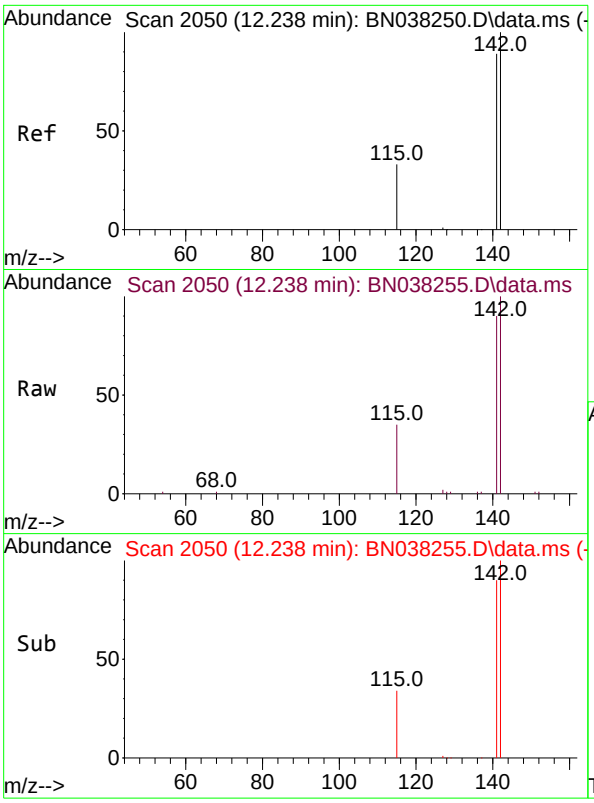


#5
Naphthalene
Concen: 0.318 ng/ul
RT: 10.616 min Scan# 1755
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:128 Resp: 20665

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.2	10.6	16.0

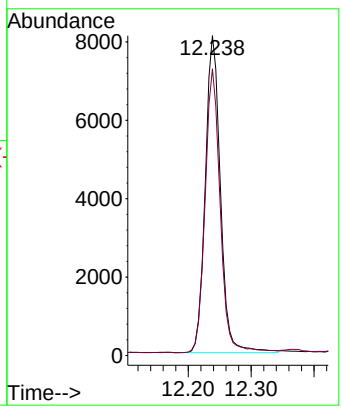




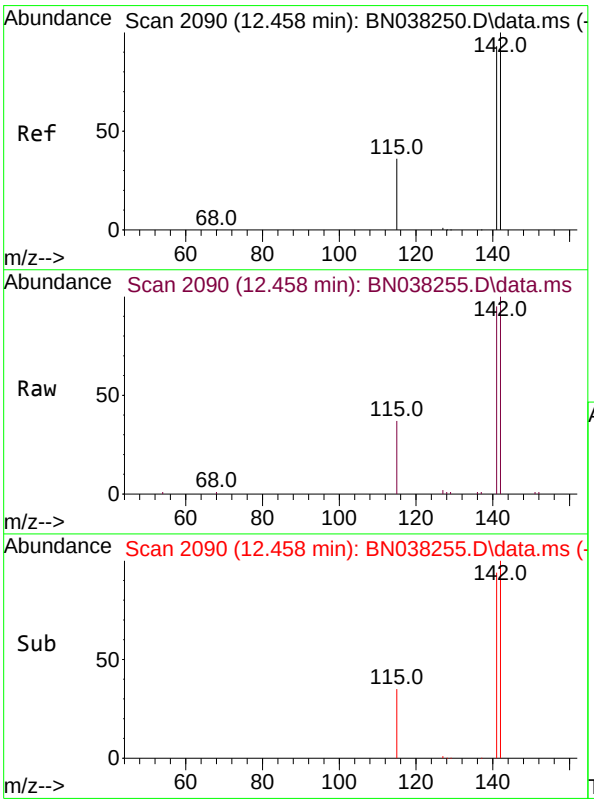
#7
2-Methylnaphthalene
Concen: 0.311 ng/ul
RT: 12.238 min Scan# 2050
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:142 Resp: 13523

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.7	107.5



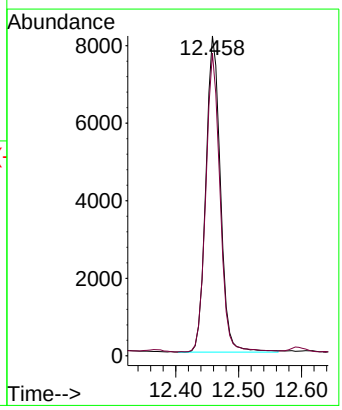
Instrument :
BNA_N
ClientSampleId :
M-31SMSD



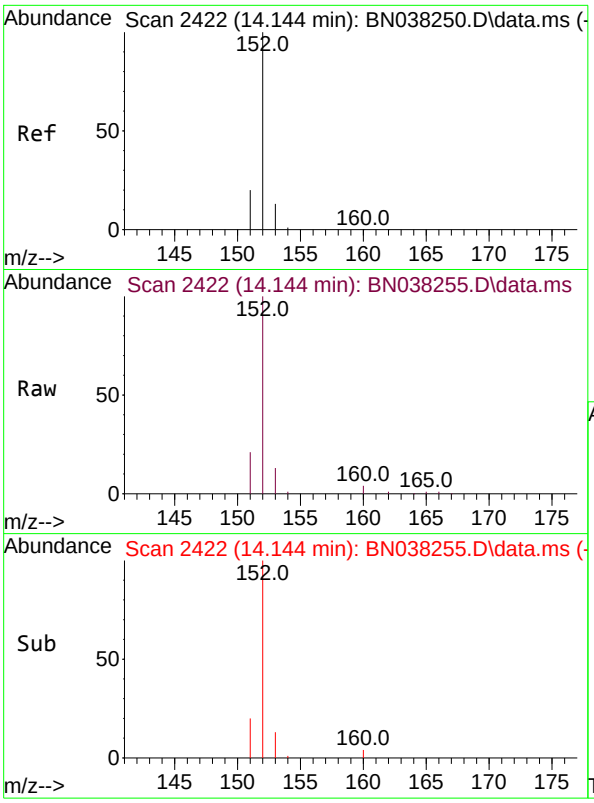
#8
1-Methylnaphthalene
Concen: 0.284 ng/ul
RT: 12.458 min Scan# 2090
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:142 Resp: 13104

Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.1	111.1



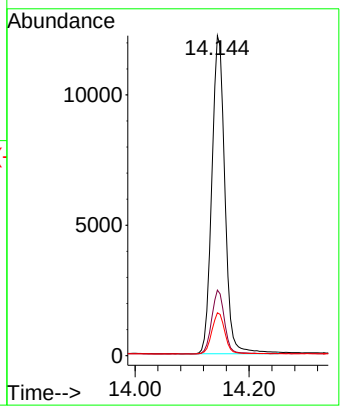
Instrument :
BNA_N
ClientSampleId :
M-31SMSD

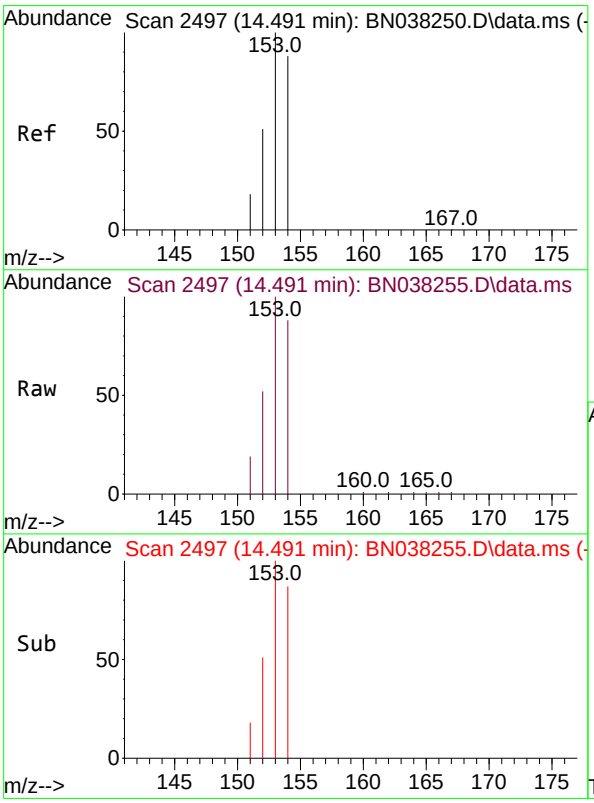


#10
Acenaphthylene
Concen: 0.347 ng/ul
RT: 14.144 min Scan# 2422
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:152 Resp: 19399

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.0	24.0
153	13.4	10.7	16.1

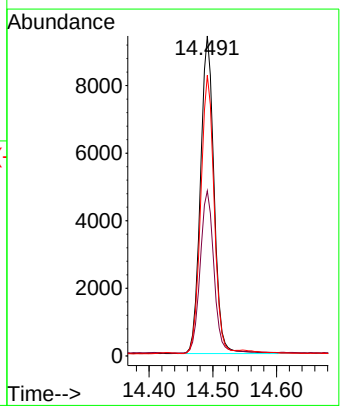




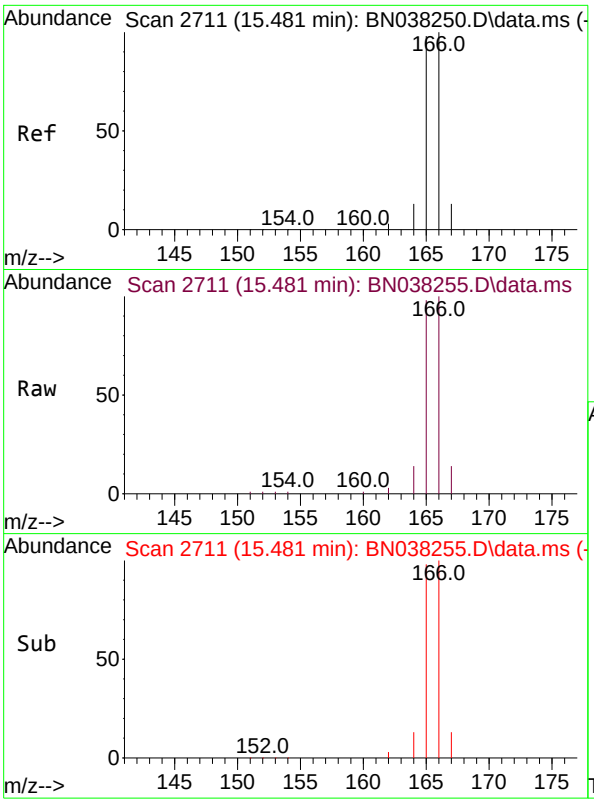
#11
Acenaphthene
Concen: 0.335 ng/ul
RT: 14.491 min Scan# 2497
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:153 Resp: 13927

Ion	Ratio	Lower	Upper
153	100		
152	51.6	41.4	62.0
154	87.7	69.7	104.5



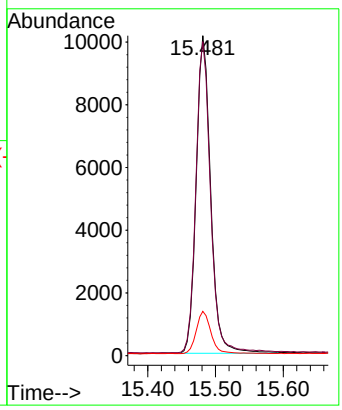
Instrument :
BNA_N
ClientSampleId :
M-31SMSD

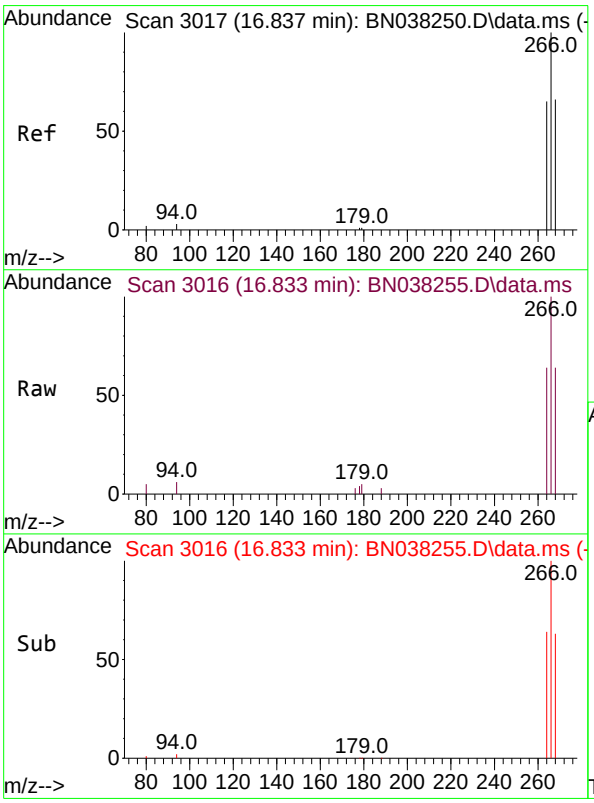


#12
Fluorene
Concen: 0.338 ng/ul
RT: 15.481 min Scan# 2711
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:166 Resp: 15067

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.1	117.1
167	13.9	11.0	16.4

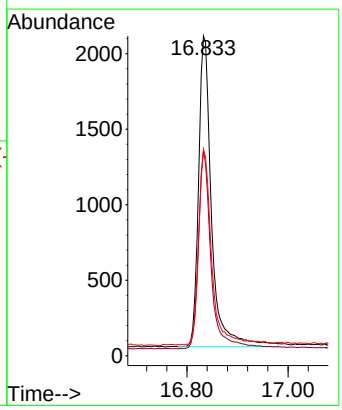




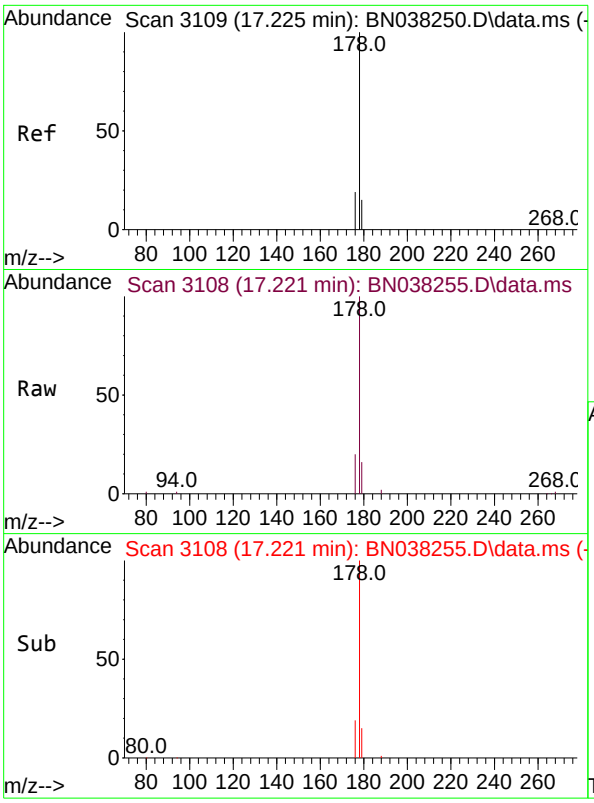
#14
Pentachlorophenol
Concen: 1.342 ng/ul
RT: 16.833 min Scan# 3016
Delta R.T. -0.014 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:266 Resp: 3691

Ion	Ratio	Lower	Upper
266	100		
264	62.6	49.3	73.9
268	63.2	53.7	80.5



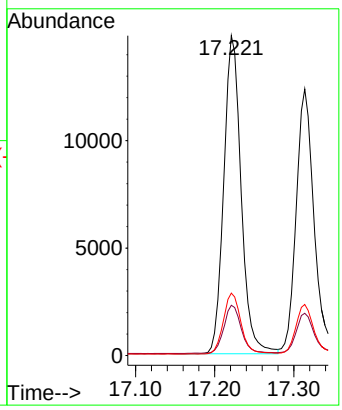
Instrument :
BNA_N
ClientSampleId :
M-31SMSD

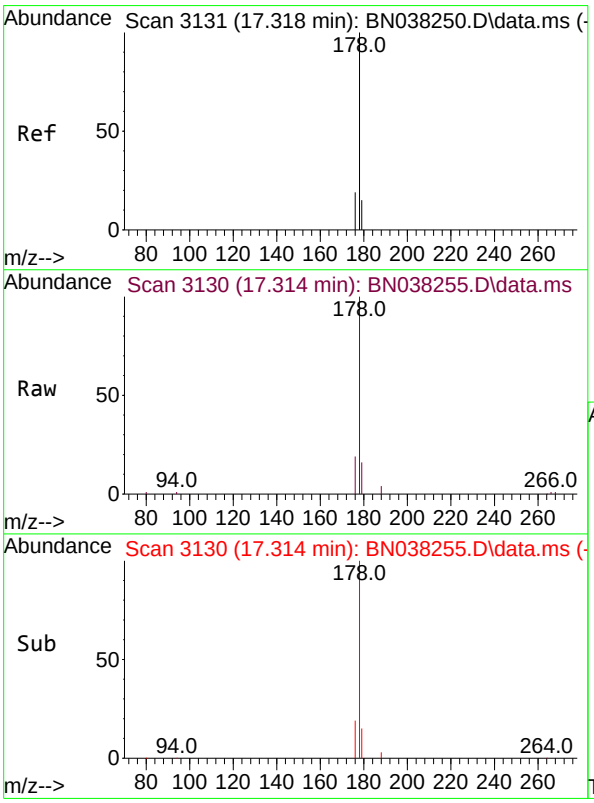


#15
Phenanthrene
Concen: 0.420 ng/ul
RT: 17.221 min Scan# 3108
Delta R.T. -0.010 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:178 Resp: 22587

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6
176	19.5	15.8	23.6

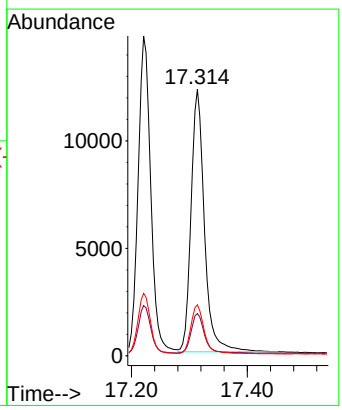


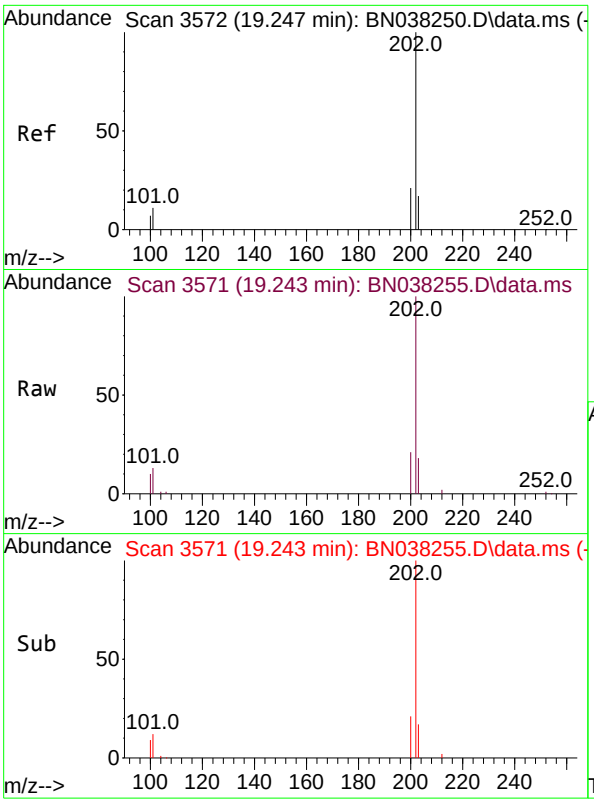


#16
Anthracene
Concen: 0.429 ng/ul
RT: 17.314 min Scan# 3130
Delta R.T. -0.010 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:178 Resp: 19555

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.8	19.2
176	19.2	15.4	23.2

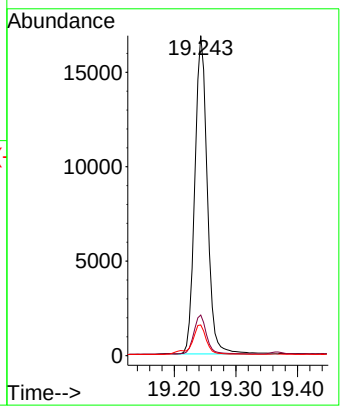




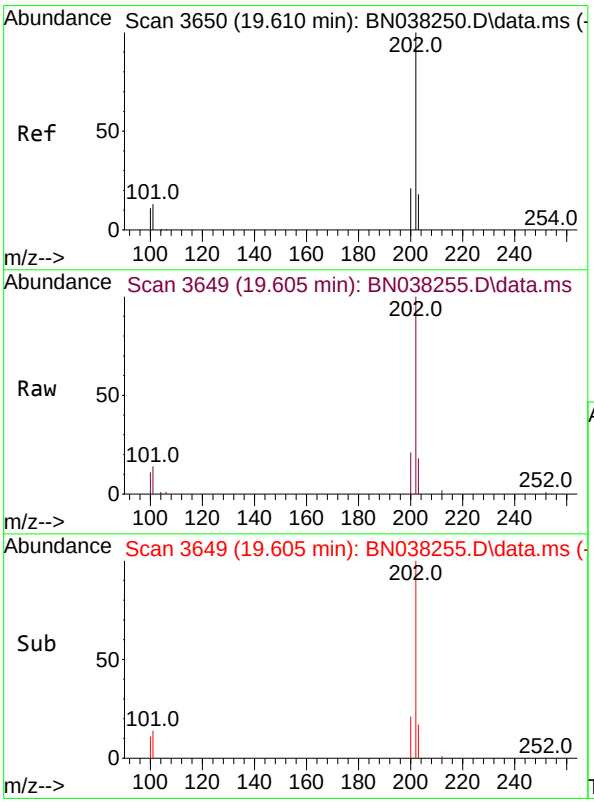
#19
Fluoranthene
Concen: 0.372 ng/ul
RT: 19.243 min Scan# 3571
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:202 Resp: 23593

Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.3	13.9
100	9.6	7.2	10.8



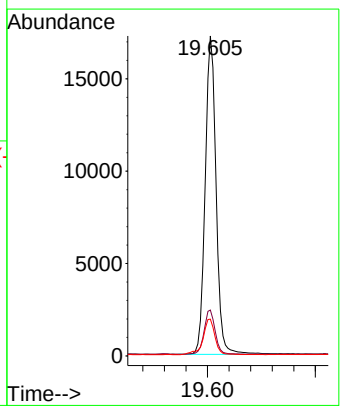
Instrument :
BNA_N
ClientSampleId :
M-31SMSD



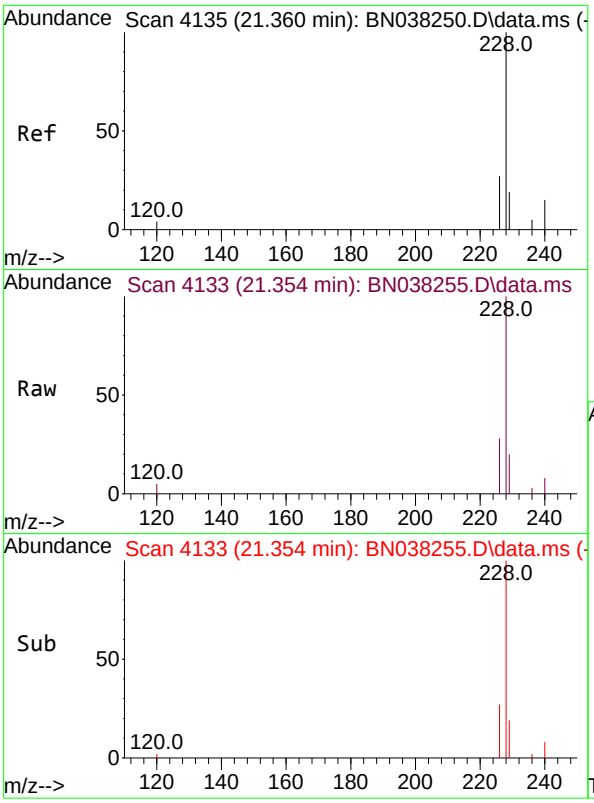
#20
Pyrene
Concen: 0.385 ng/ul
RT: 19.605 min Scan# 3649
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:202 Resp: 24199

Ion	Ratio	Lower	Upper
202	100		
101	14.3	10.6	16.0
100	11.5	8.5	12.7



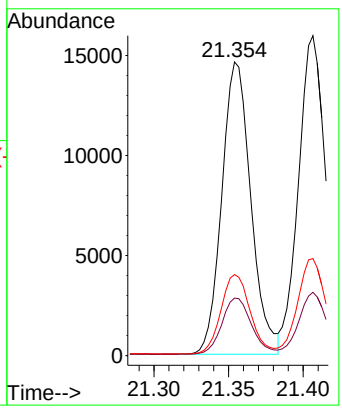
Instrument :
BNA_N
ClientSampleId :
M-31SMSD

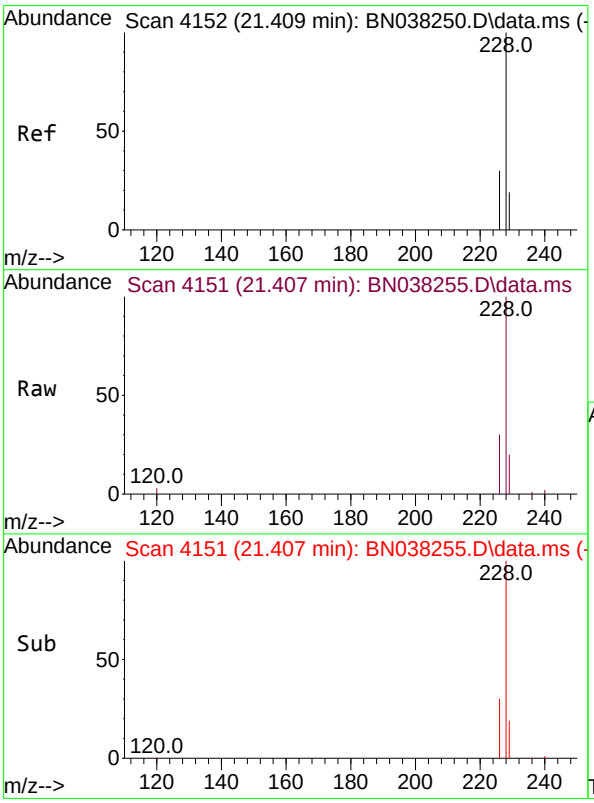


#21
Benzo(a)anthracene
Concen: 0.500 ng/ul
RT: 21.354 min Scan# 4133
Delta R.T. -0.003 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:228 Resp: 19837

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.6	23.4
226	27.6	22.4	33.6

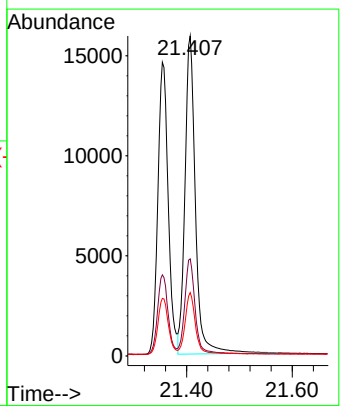


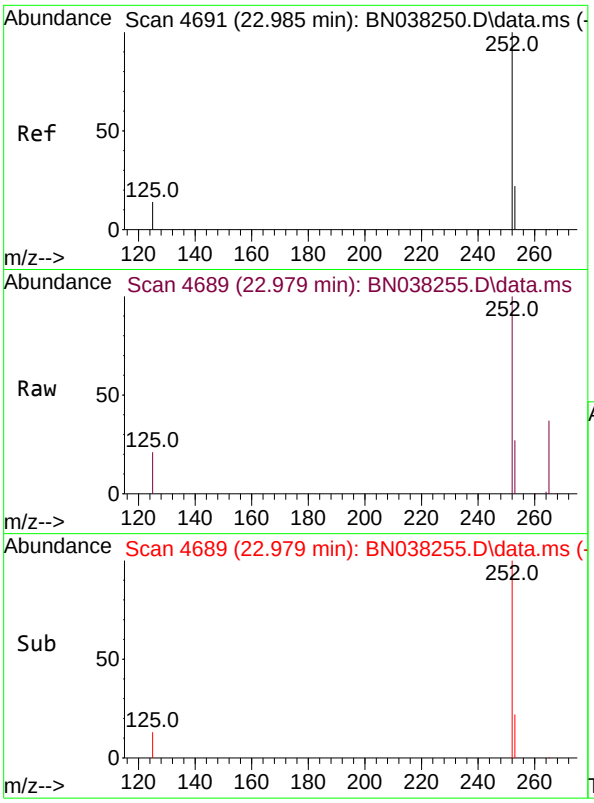


#22
Chrysene
Concen: 0.446 ng/ul
RT: 21.407 min Scan# 4151
Delta R.T. -0.003 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:228 Resp: 21957

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.4
229	19.8	15.4	23.0

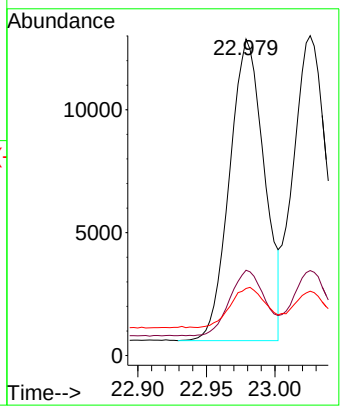




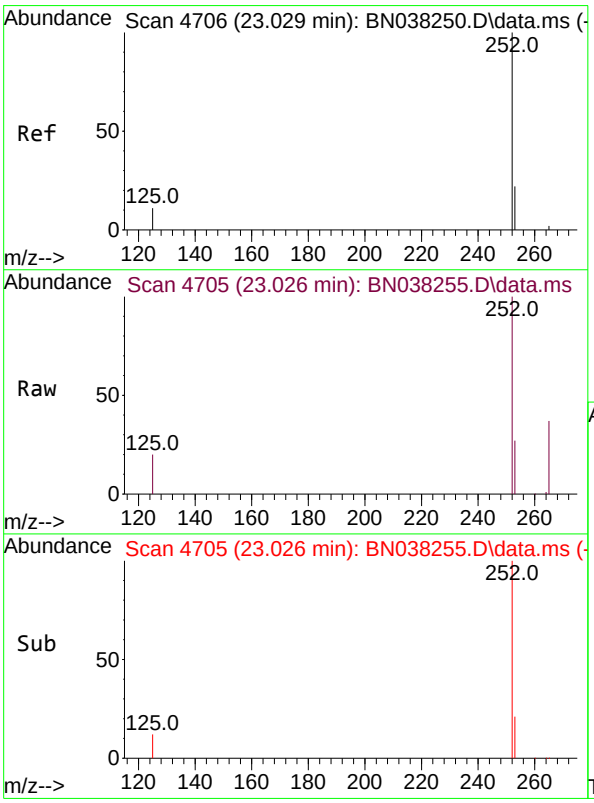
#24
Benzo(b)fluoranthene
Concen: 0.455 ng/ul
RT: 22.979 min Scan# 4689
Delta R.T. -0.003 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:252 Resp: 21635

Ion	Ratio	Lower	Upper
252	100		
253	27.0	0.0	55.8
125	21.2	0.0	45.6



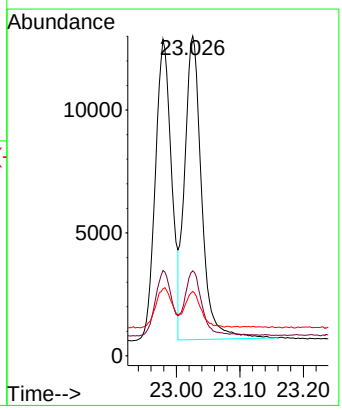
Instrument :
BNA_N
ClientSampleId :
M-31SMSD

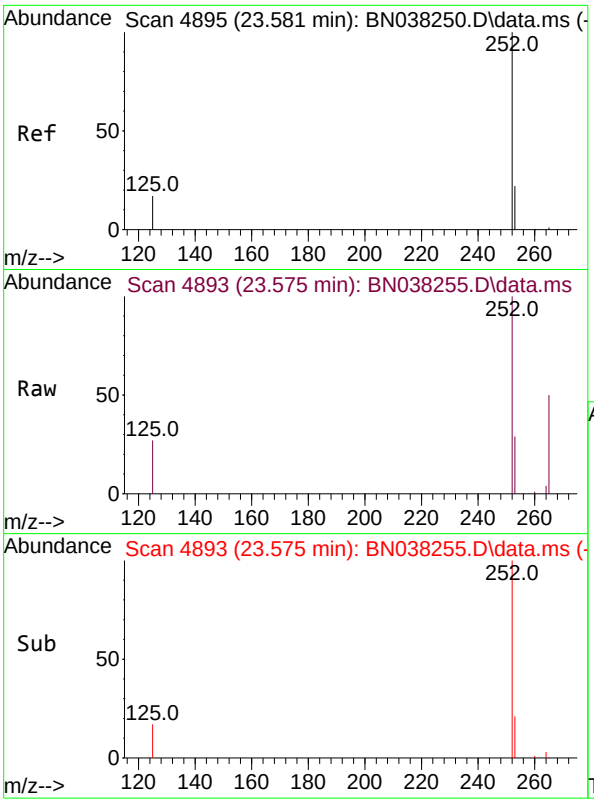


#25
Benzo(k)fluoranthene
Concen: 0.458 ng/ul
RT: 23.026 min Scan# 4705
Delta R.T. -0.003 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:252 Resp: 22929

Ion	Ratio	Lower	Upper
252	100		
253	26.6	22.9	34.3
125	20.1	17.7	26.5

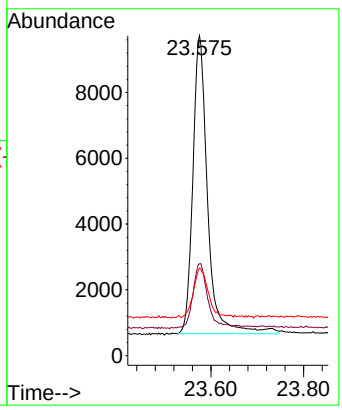


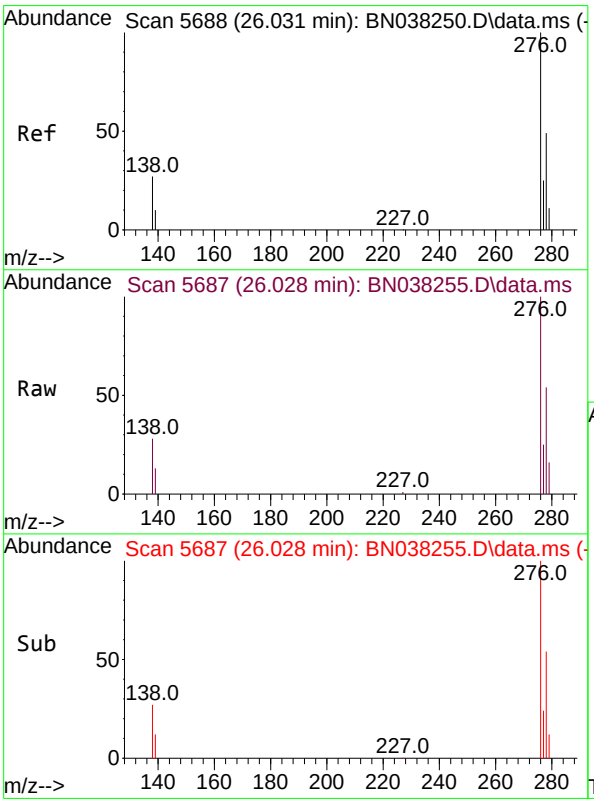


#26
Benzo(a)pyrene
Concen: 0.466 ng/ul
RT: 23.575 min Scan# 4893
Delta R.T. -0.006 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:252 Resp: 19996

Ion	Ratio	Lower	Upper
252	100		
253	28.7	25.9	38.9
125	27.3	24.6	37.0

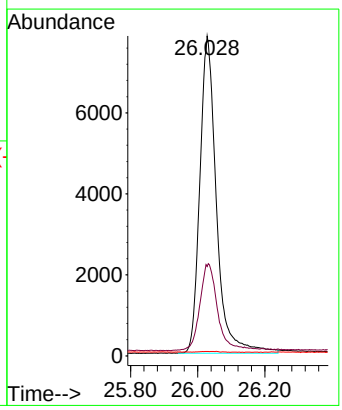




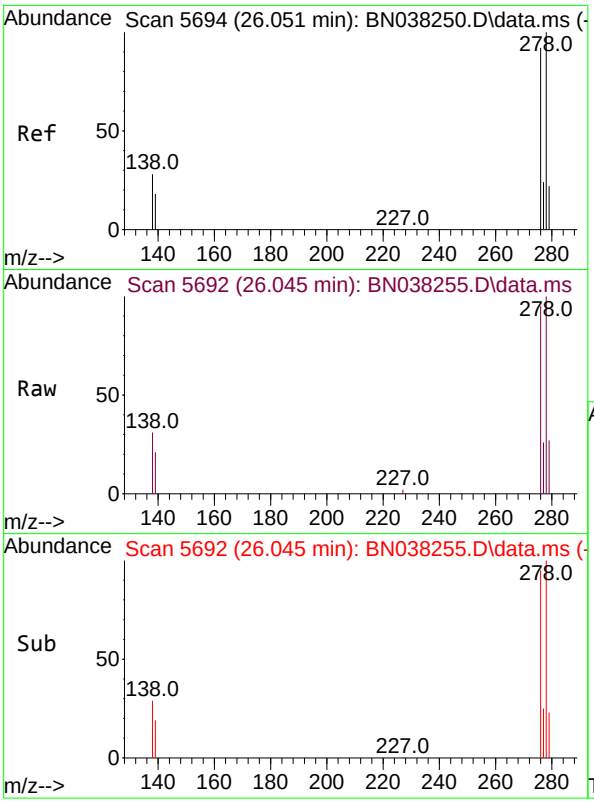
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.526 ng/ul
RT: 26.028 min Scan# 5687
Delta R.T. -0.010 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:276 Resp: 26870

Ion	Ratio	Lower	Upper
276	100		
138	29.7	22.9	34.3
227	0.0	0.0	0.0



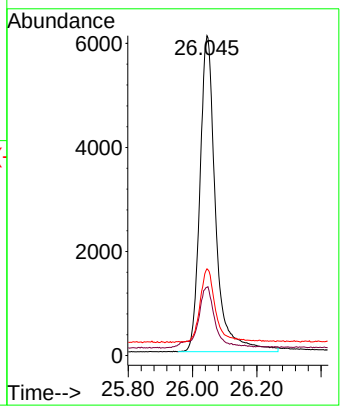
Instrument :
BNA_N
ClientSampleId :
M-31SMSD

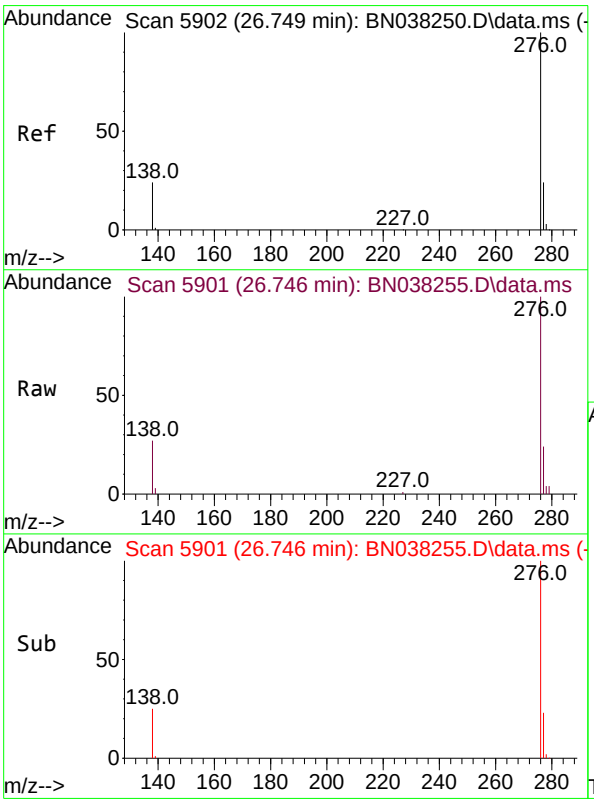


#28
Dibenzo(a,h)anthracene
Concen: 0.575 ng/ul
RT: 26.045 min Scan# 5692
Delta R.T. -0.010 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:278 Resp: 20630

Ion	Ratio	Lower	Upper
278	100		
139	21.4	18.1	27.1
279	27.1	25.0	37.4

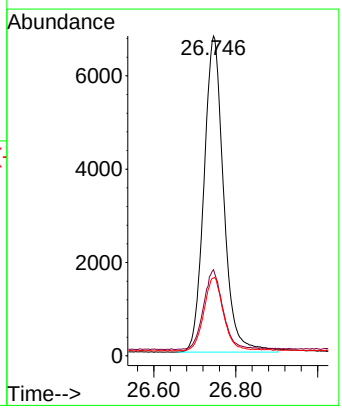




#29
Benzo(g,h,i)perylene
Concen: 0.470 ng/ul
RT: 26.746 min Scan# 5901
Delta R.T. -0.007 min
Lab File: BN038255.D
Acq: 02 Dec 2025 15:13

Tgt Ion:276 Resp: 22595

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.6	32.4
277	24.3	19.8	29.6



Instrument :
BNA_N
ClientSampleId :
M-31SMSD

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038255.D
Acq On : 02 Dec 2025 15:13
Operator : RC/JU
Sample : Q3688-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : M-31SMSD

Quant Time: Dec 03 00:36:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.762	152	7837	0.400	ng/ul	0.00
4) Naphthalene-d8	10.567	136	23944	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.427	164	11905	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	17150	0.400	ng/ul	-0.01
17) Chrysene-d12	21.371	240	11866	0.400	ng/ul	0.00
23) Perylene-d12	23.678	264	12141	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.218	96	3284	0.399	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.167	152	6696	0.196	ng/ul	0.00
18) Fluoranthene-d10	19.215	212	15450	0.335	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.248	88	8524	0.962	ng/ul	94
5) Naphthalene	10.616	128	20665	0.318	ng/ul	99
7) 2-Methylnaphthalene	12.238	142	13523	0.311	ng/ul	100
8) 1-Methylnaphthalene	12.458	142	13104	0.284	ng/ul	100
10) Acenaphthylene	14.144	152	19399	0.347	ng/ul	99
11) Acenaphthene	14.491	153	13927	0.335	ng/ul	100
12) Fluorene	15.481	166	15067	0.338	ng/ul	99
14) Pentachlorophenol	16.833	266	3691	1.342	ng/ul	97
15) Phenanthrene	17.221	178	22587	0.420	ng/ul	100
16) Anthracene	17.314	178	19555	0.429	ng/ul	100
19) Fluoranthene	19.243	202	23593	0.372	ng/ul	98
20) Pyrene	19.605	202	24199	0.385	ng/ul	97
21) Benzo(a)anthracene	21.354	228	19837	0.500	ng/ul	99
22) Chrysene	21.407	228	21957	0.446	ng/ul	99
24) Benzo(b)fluoranthene	22.979	252	21635	0.455	ng/ul	98
25) Benzo(k)fluoranthene	23.026	252	22929	0.458	ng/ul	96
26) Benzo(a)pyrene	23.575	252	19996	0.466	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.028	276	26870	0.526	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.045	278	20630	0.575	ng/ul	95
29) Benzo(g,h,i)perylene	26.746	276	22595	0.470	ng/ul	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS718

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170718BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038252.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/02/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

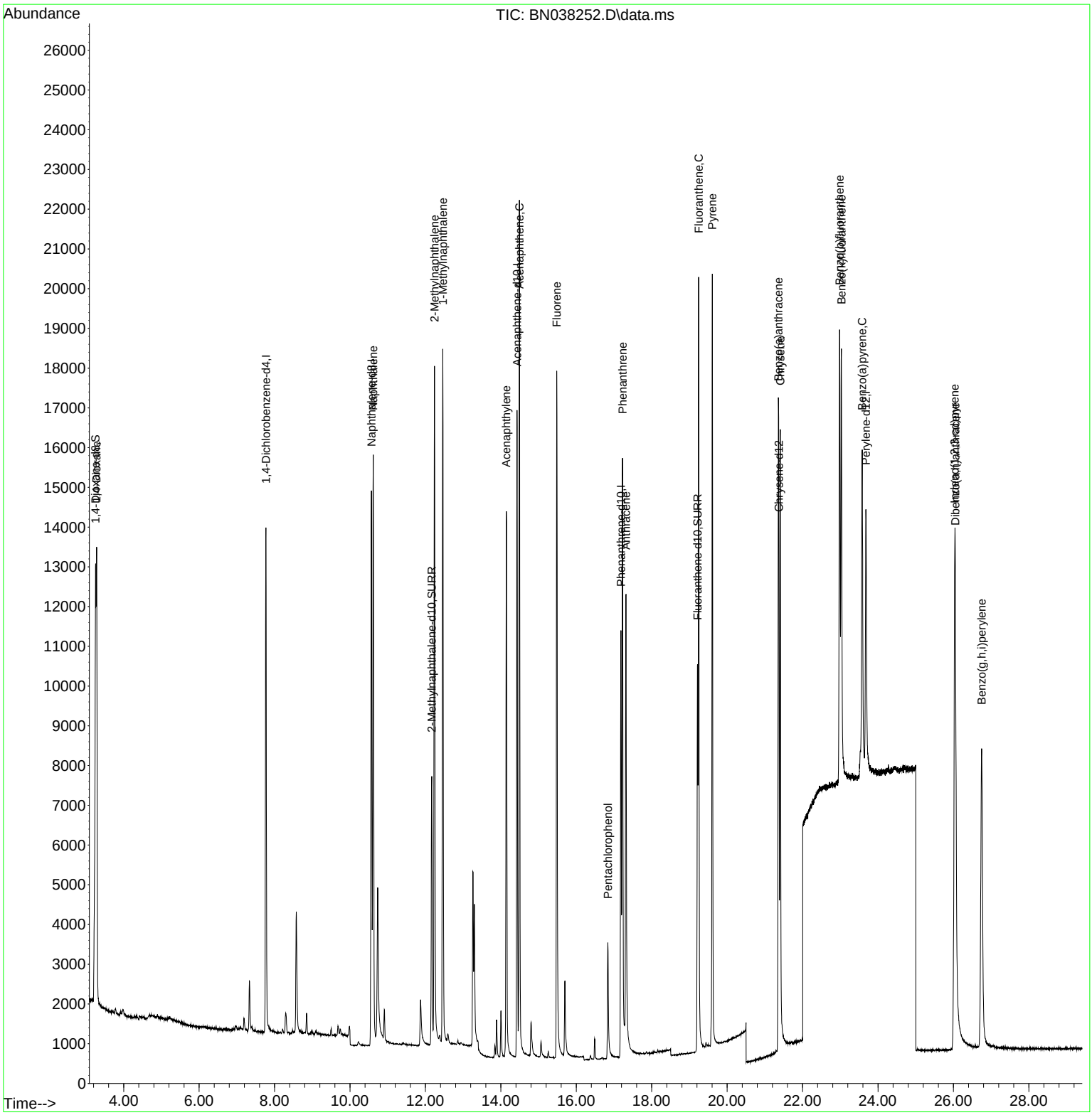
CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	1.8	

Quantitation Report (QT Reviewed)

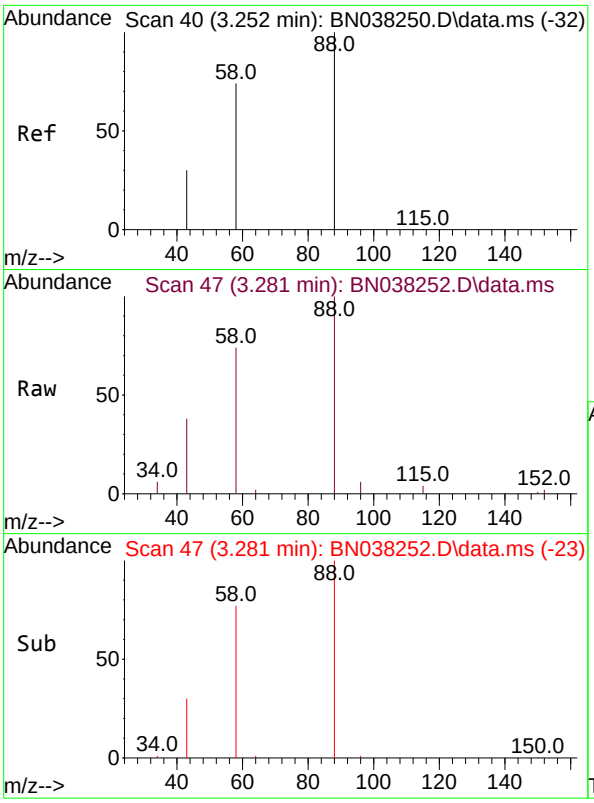
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038252.D
Acq On : 02 Dec 2025 13:24
Operator : RC/JU
Sample : PB170718BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SLCS718

Quant Time: Dec 03 00:27:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



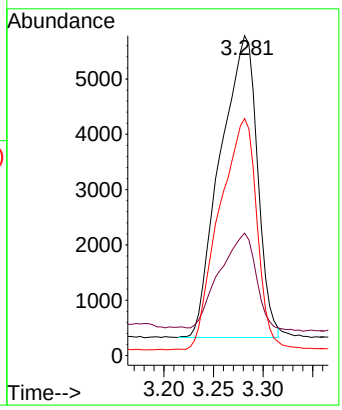
Instrument :
BNA_N
ClientSampleId :
SLCS718

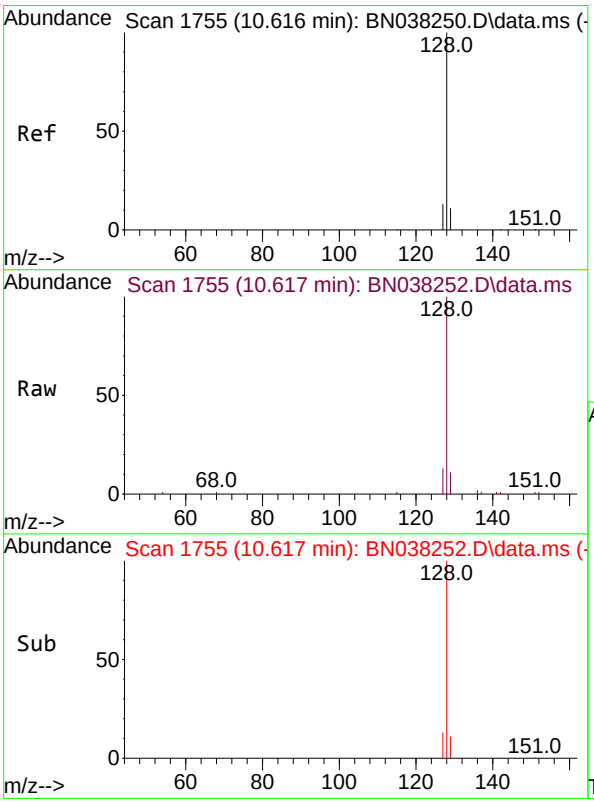


#2
1,4-Dioxane
Concen: 1.828 ng/ul
RT: 3.281 min Scan# 47
Delta R.T. 0.030 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion: 88 Resp: 14161

Ion	Ratio	Lower	Upper
88	100		
43	38.3	27.5	41.3
58	74.1	50.5	75.7

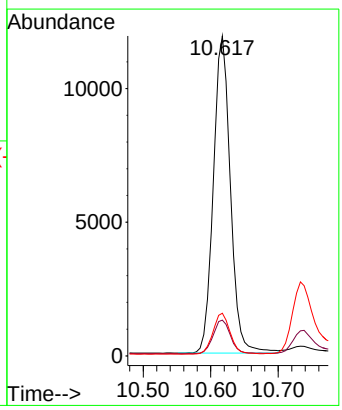




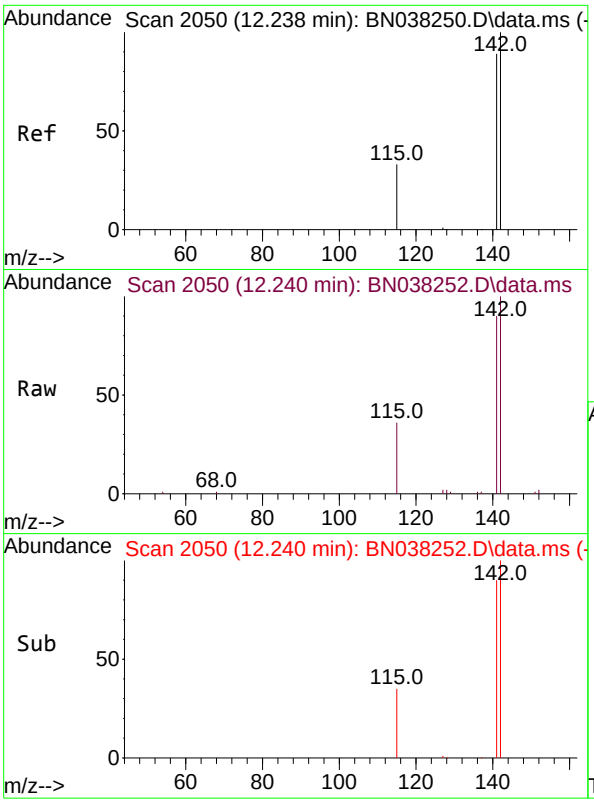
#5
Naphthalene
Concen: 0.393 ng/ul
RT: 10.617 min Scan# 1755
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:128 Resp: 20844

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.3	10.6	16.0



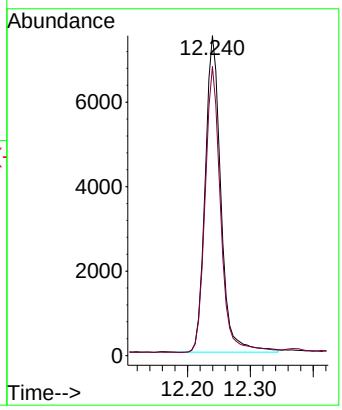
Instrument :
BNA_N
ClientSampleId :
SLCS718

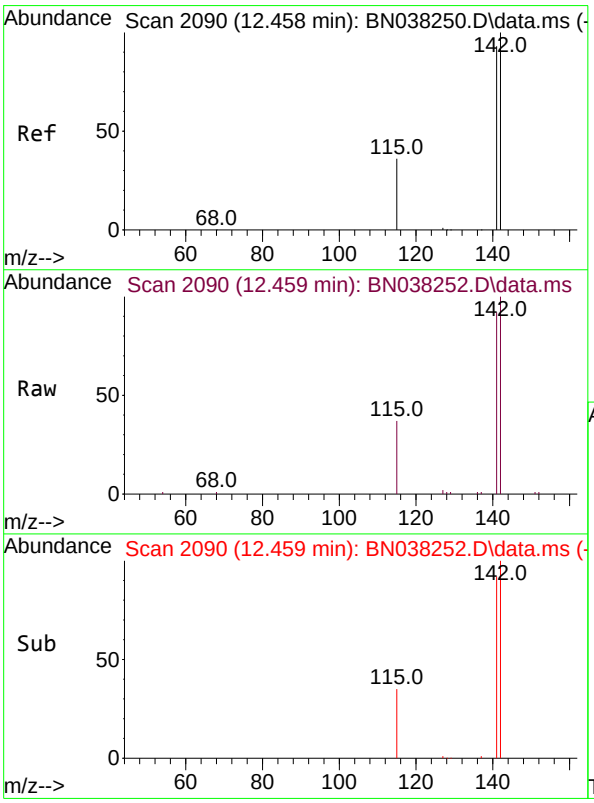


#7
2-Methylnaphthalene
Concen: 0.367 ng/ul
RT: 12.240 min Scan# 2050
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:142 Resp: 13008

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.7	107.5

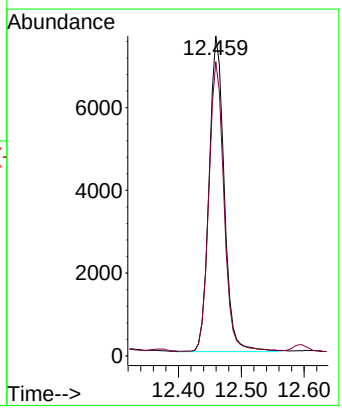




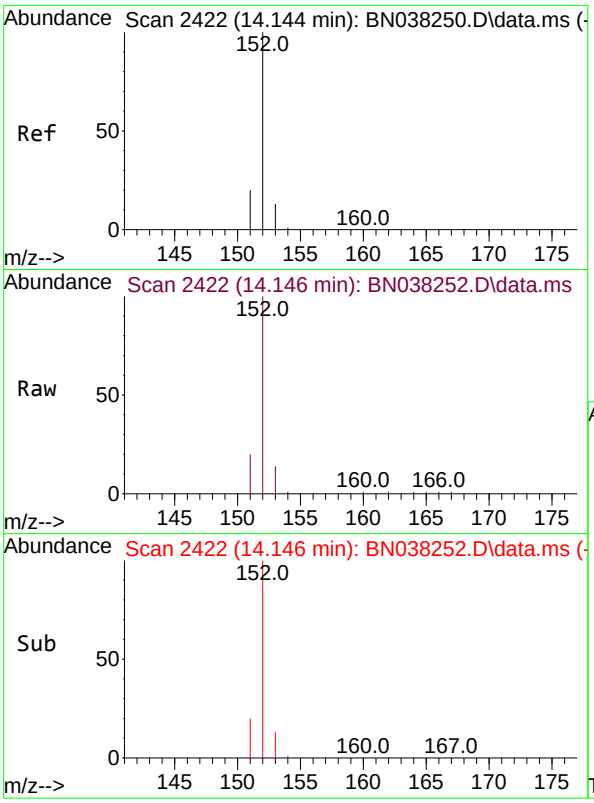
#8
1-Methylnaphthalene
Concen: 0.338 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:142 Resp: 12711

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.1	111.1



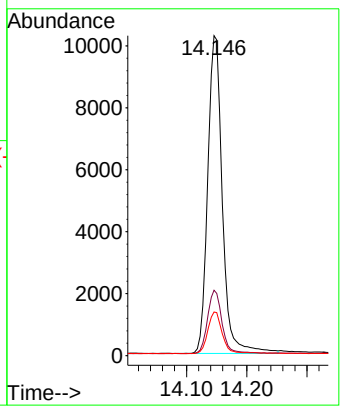
Instrument :
BNA_N
ClientSampleId :
SLCS718

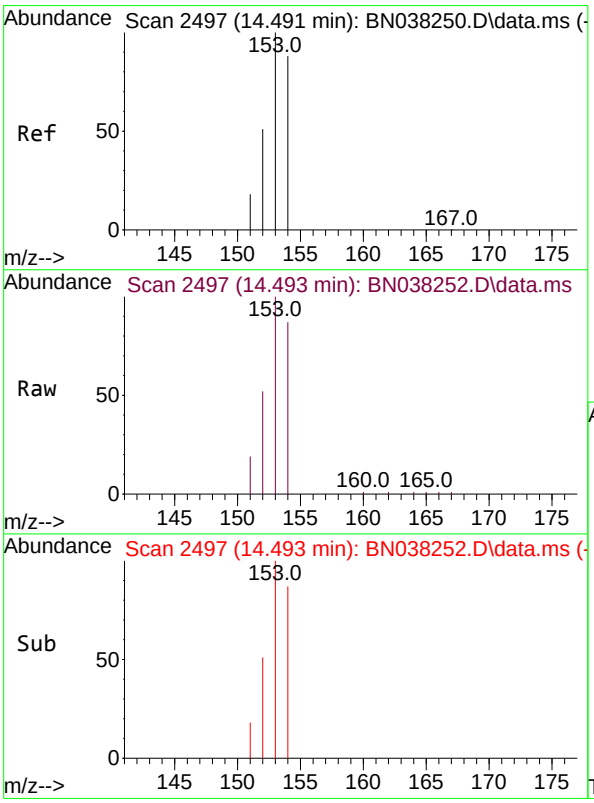


#10
Acenaphthylene
Concen: 0.397 ng/ul
RT: 14.146 min Scan# 2422
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:152 Resp: 17361

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	13.6	10.7	16.1

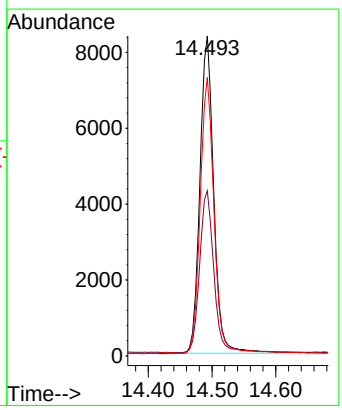


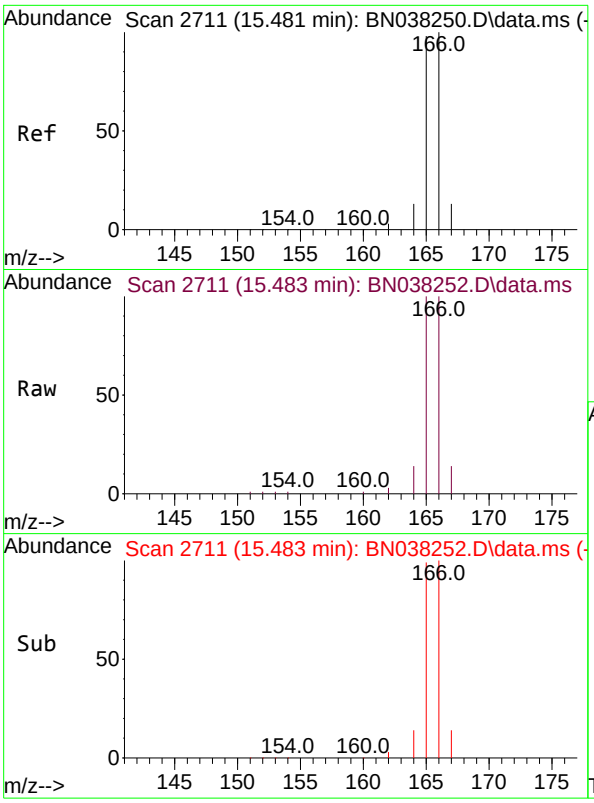


#11
Acenaphthene
Concen: 0.389 ng/ul
RT: 14.493 min Scan# 2497
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:153 Resp: 12621

Ion	Ratio	Lower	Upper
153	100		
152	51.6	41.4	62.0
154	87.0	69.7	104.5

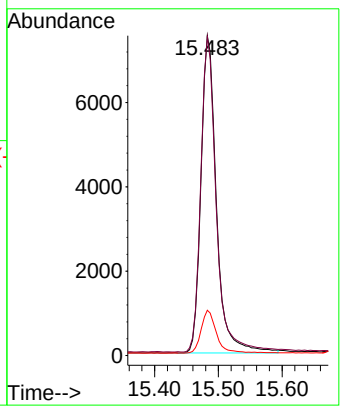




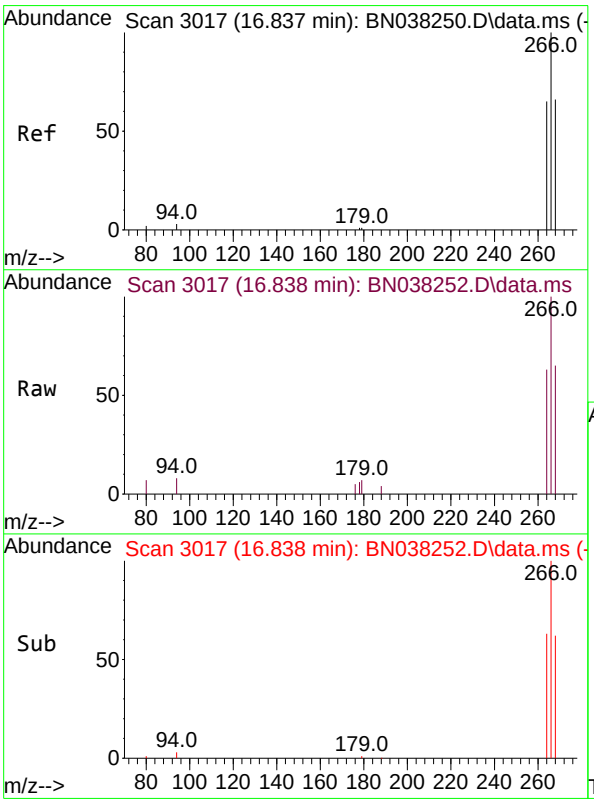
#12
Fluorene
Concen: 0.366 ng/ul
RT: 15.483 min Scan# 2711
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:166 Resp: 12759

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.1	117.1
167	14.2	11.0	16.4



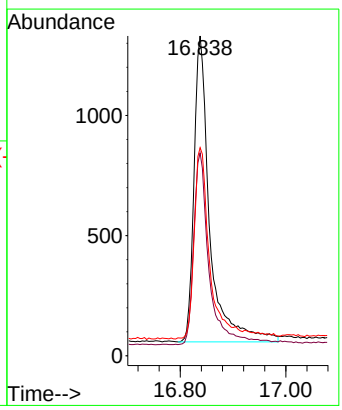
Instrument :
BNA_N
ClientSampleId :
SLCS718



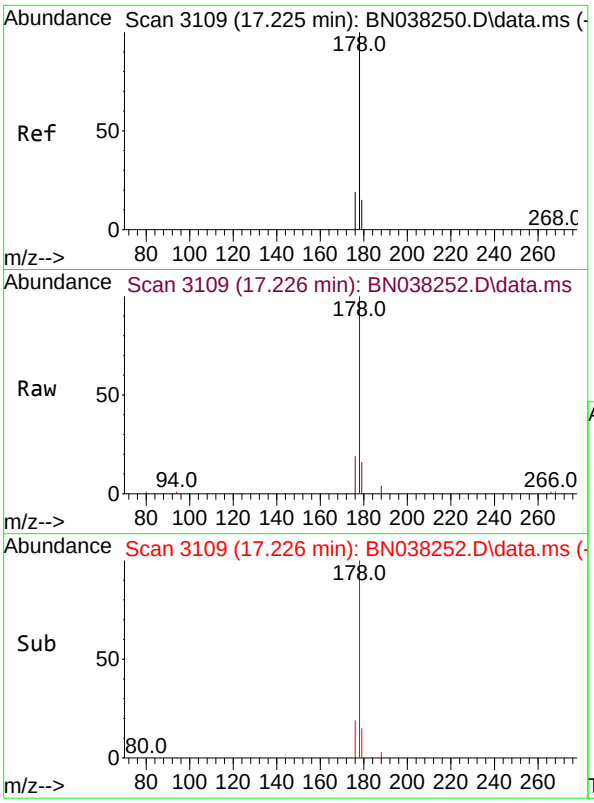
#14
Pentachlorophenol
Concen: 1.158 ng/ul
RT: 16.838 min Scan# 3017
Delta R.T. -0.009 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:266 Resp: 2641

Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.3	73.9
268	64.0	53.7	80.5



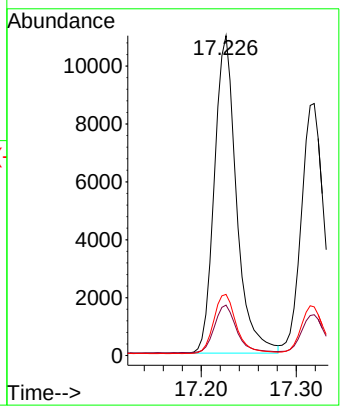
Instrument :
BNA_N
ClientSampleId :
SLCS718

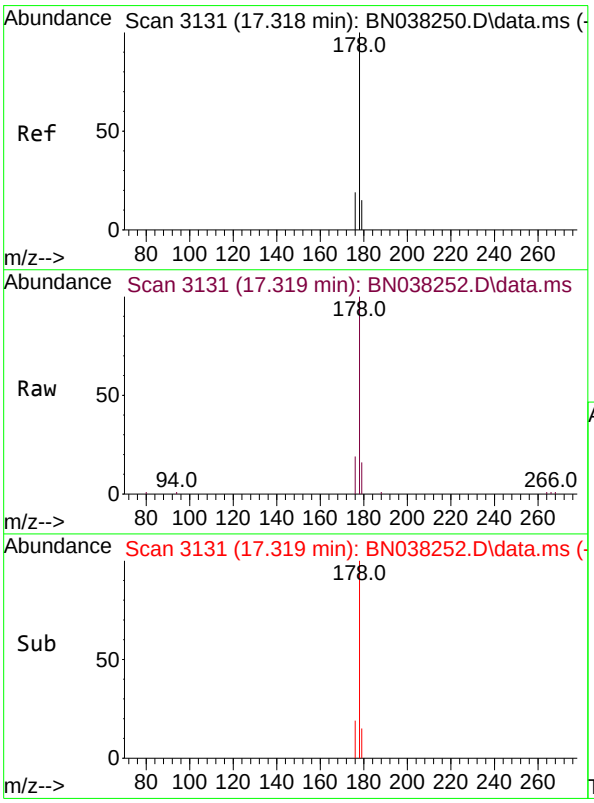


#15
Phenanthrene
Concen: 0.397 ng/ul
RT: 17.226 min Scan# 3109
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:178 Resp: 17669

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	19.1	15.8	23.6

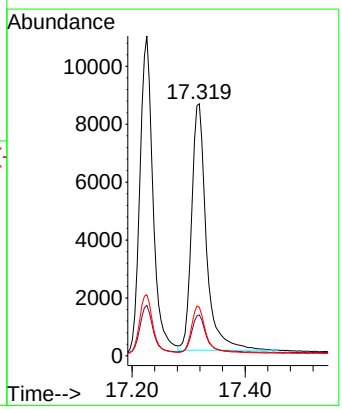


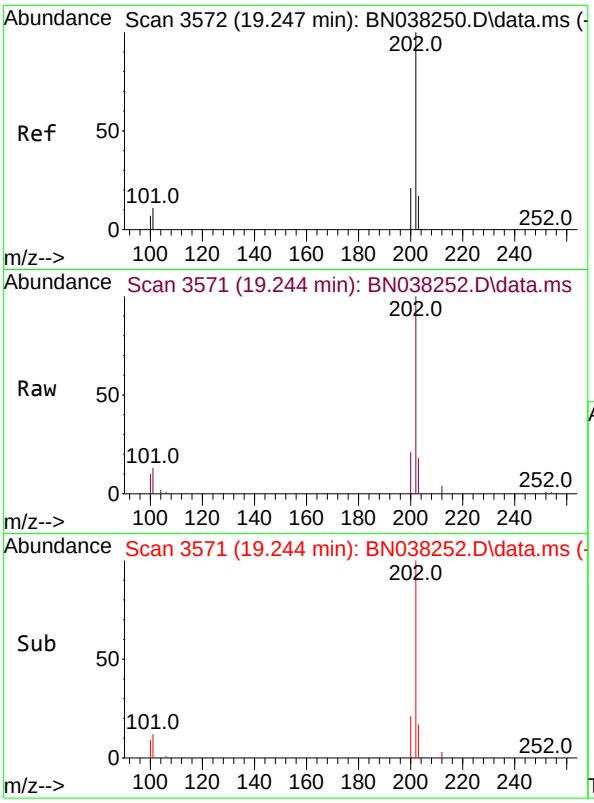


#16
Anthracene
Concen: 0.407 ng/ul
RT: 17.319 min Scan# 3131
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:178 Resp: 15392

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.8	19.2
176	19.3	15.4	23.2

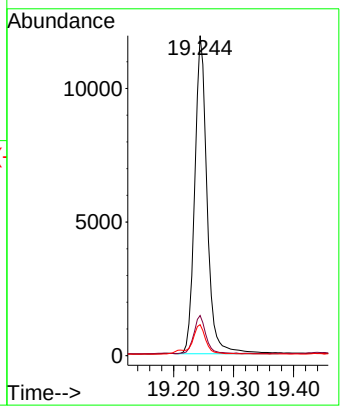


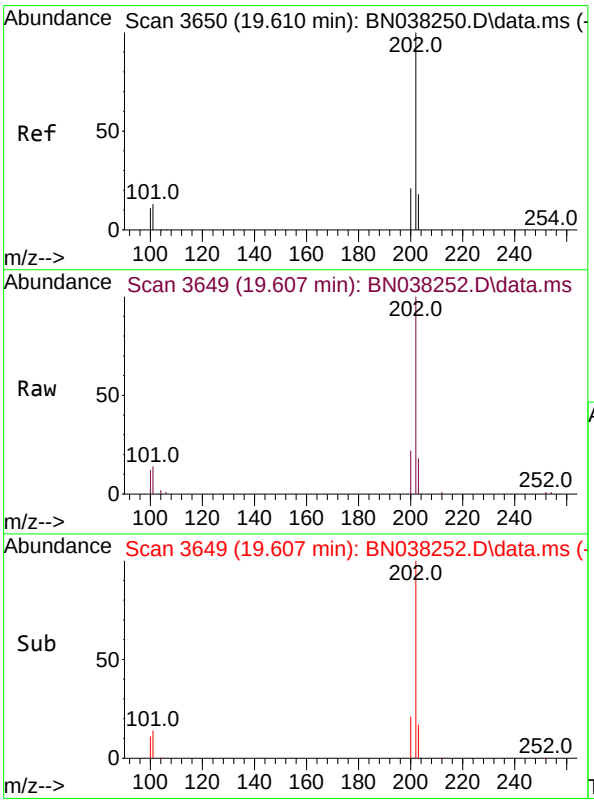


#19
Fluoranthene
Concen: 0.340 ng/ul
RT: 19.244 min Scan# 3571
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:202 Resp: 17041

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.3	13.9
100	9.7	7.2	10.8

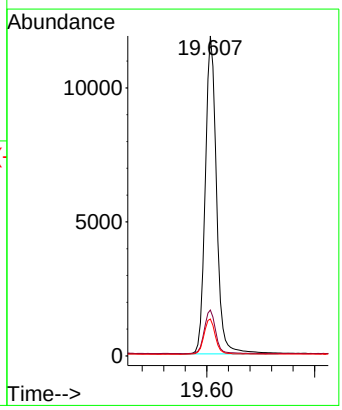




#20
Pyrene
Concen: 0.347 ng/ul
RT: 19.607 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

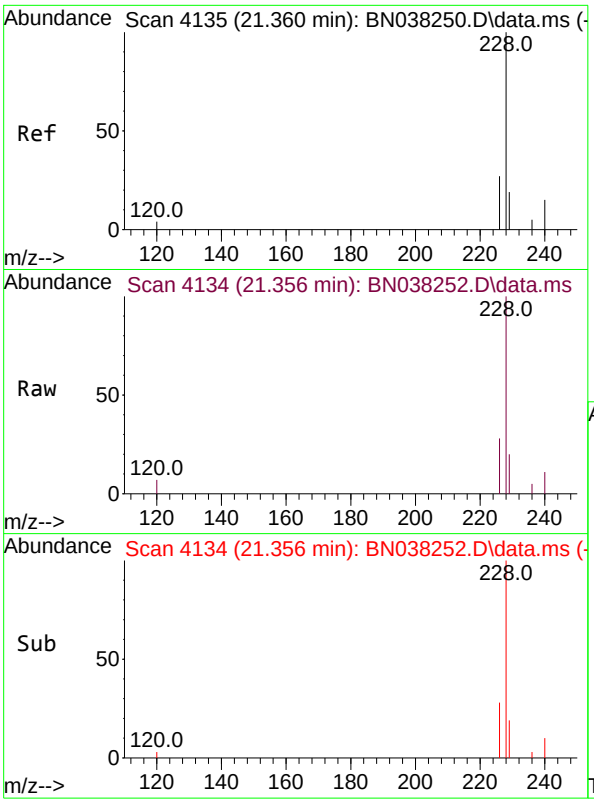
Tgt Ion:202 Resp: 17213

Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.6	16.0
100	11.5	8.5	12.7



Instrument :
BNA_N
ClientSampleId :
SLCS718

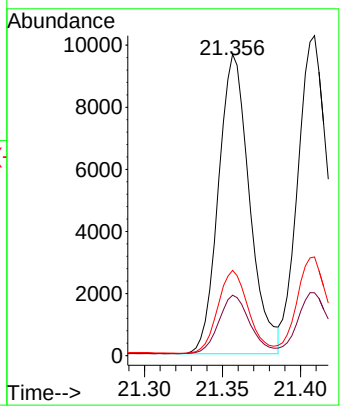
Instrument :
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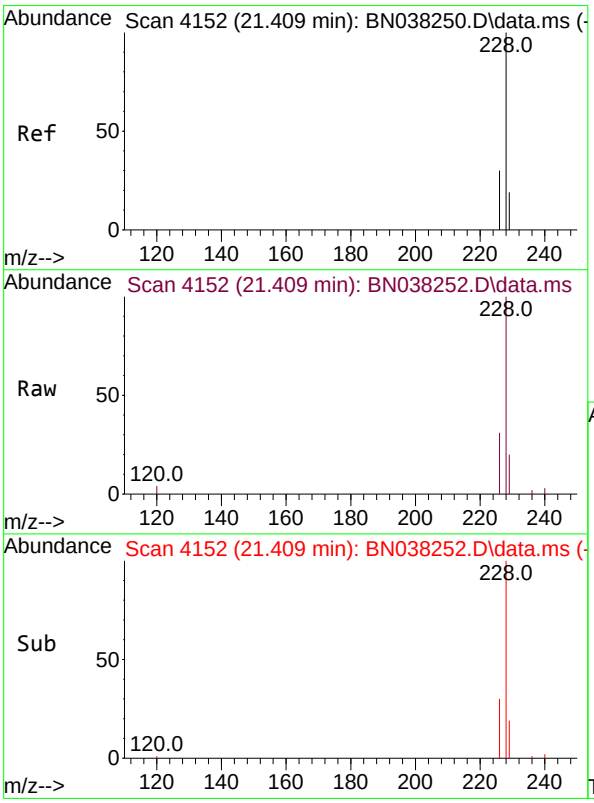


#21
Benzo(a)anthracene
Concen: 0.428 ng/ul
RT: 21.356 min Scan# 4134
Delta R.T. -0.001 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:228 Resp: 13391

Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.6	23.4
226	28.3	22.4	33.6

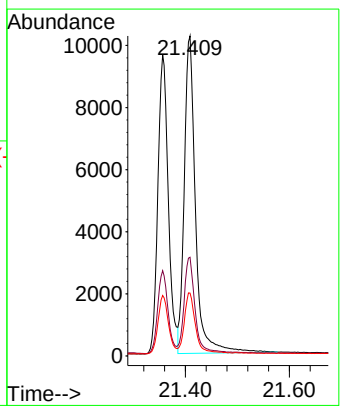




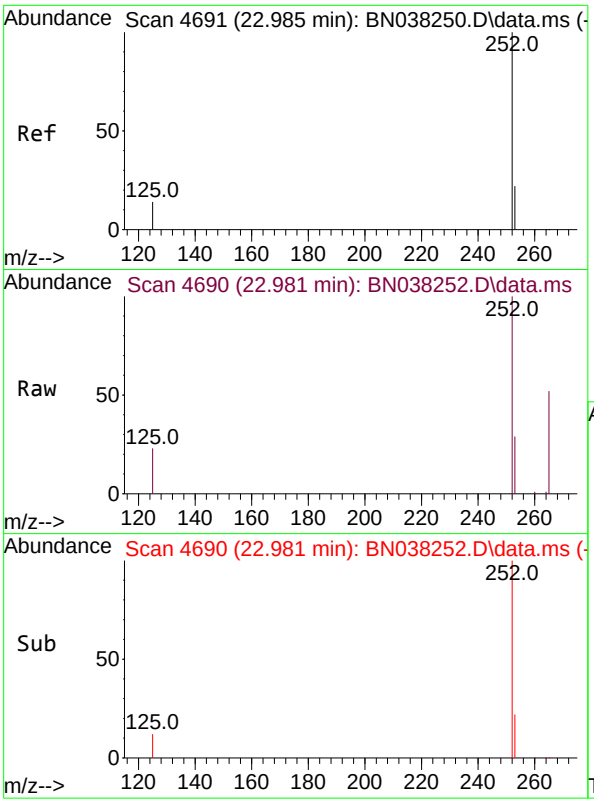
#22
Chrysene
Concen: 0.394 ng/ul
RT: 21.409 min Scan# 4152
Delta R.T. -0.001 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:228 Resp: 15314

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.4
229	19.6	15.4	23.0



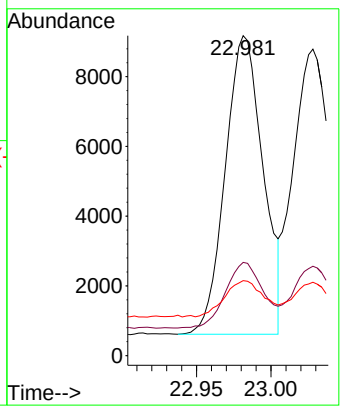
Instrument :
BNA_N
ClientSampleId :
SLCS718

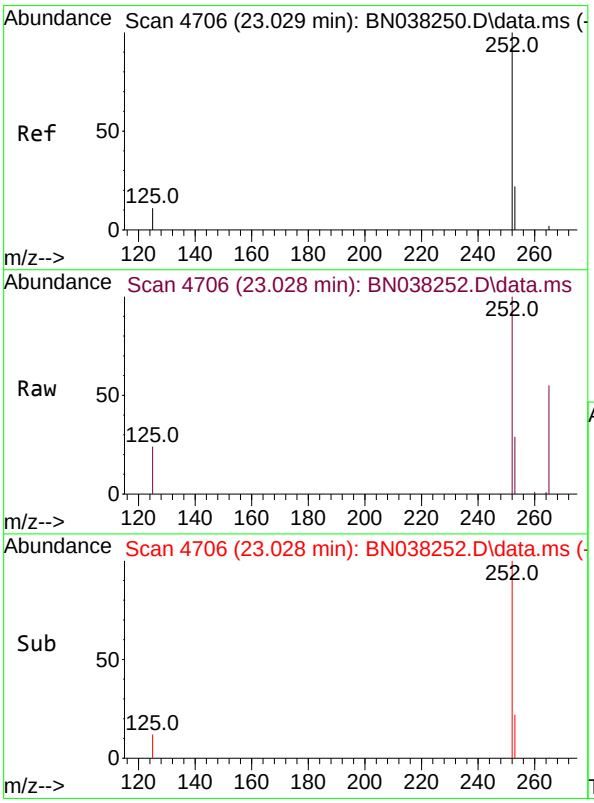


#24
Benzo(b)fluoranthene
Concen: 0.389 ng/ul
RT: 22.981 min Scan# 4690
Delta R.T. -0.001 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:252 Resp: 15110

Ion	Ratio	Lower	Upper
252	100		
253	29.1	0.0	55.8
125	23.4	0.0	45.6

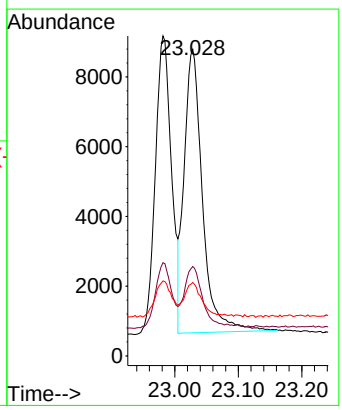


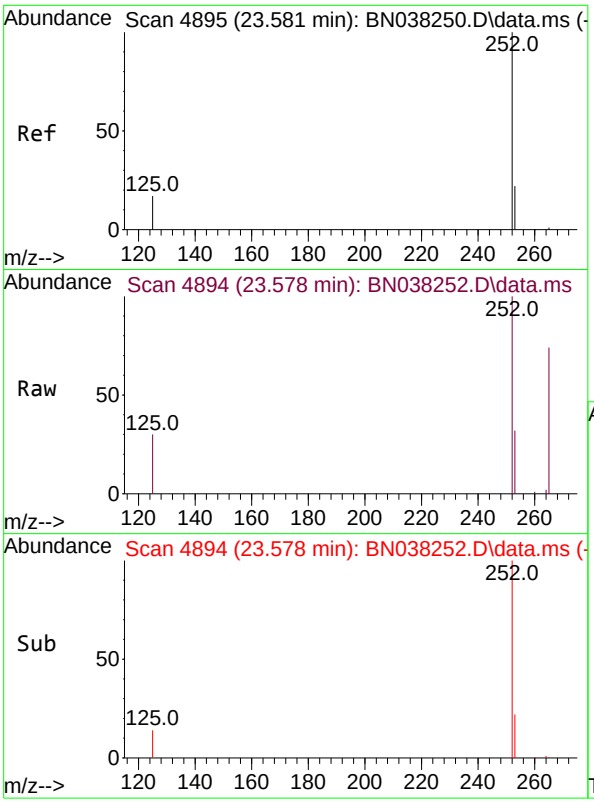


#25
Benzo(k)fluoranthene
Concen: 0.400 ng/ul
RT: 23.028 min Scan# 4706
Delta R.T. -0.001 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:252 Resp: 16347

Ion	Ratio	Lower	Upper
252	100		
253	29.1	22.9	34.3
125	23.9	17.7	26.5

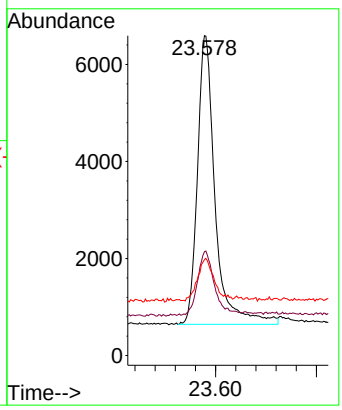


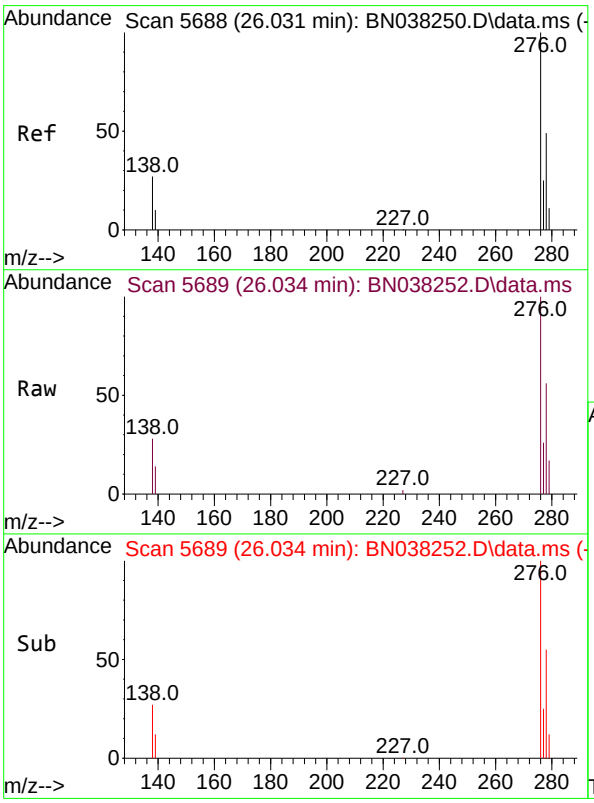


#26
Benzo(a)pyrene
Concen: 0.412 ng/ul
RT: 23.578 min Scan# 4894
Delta R.T. -0.004 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:252 Resp: 14461

Ion	Ratio	Lower	Upper
252	100		
253	32.5	25.9	38.9
125	30.0	24.6	37.0

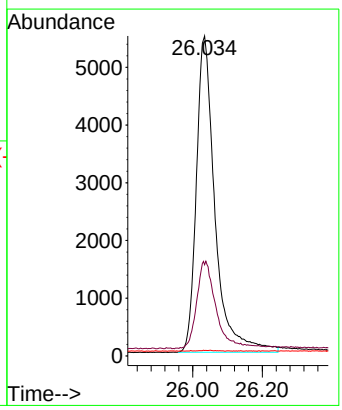




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.489 ng/ul
RT: 26.034 min Scan# 5689
Delta R.T. -0.004 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

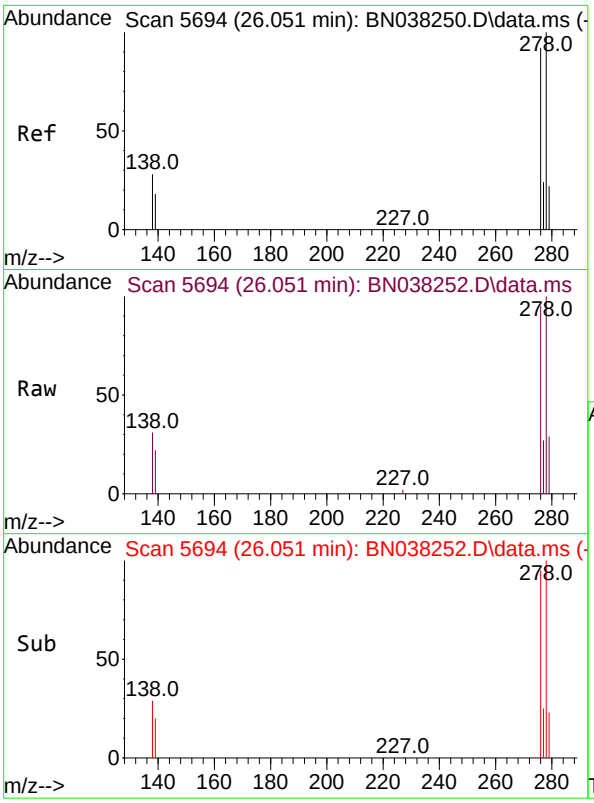
Tgt Ion:276 Resp: 20410

Ion	Ratio	Lower	Upper
276	100		
138	29.3	22.9	34.3
227	0.1	0.0	0.0#



Instrument :
BNA_N
ClientSampleId :
SLCS718

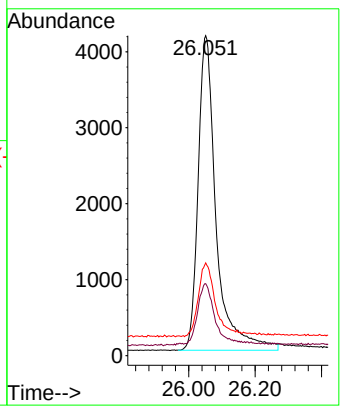
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BNA_N
ClientSampleId :
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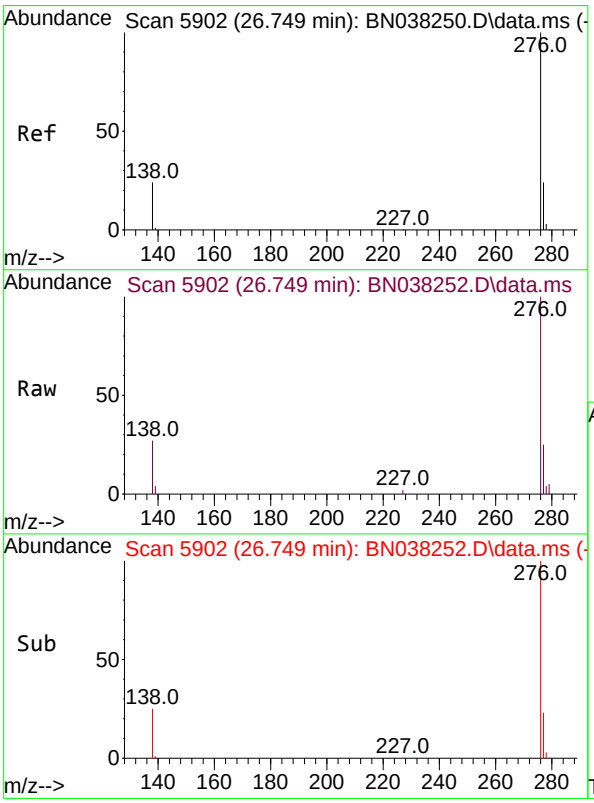


#28
Dibenzo(a,h)anthracene
Concen: 0.532 ng/ul
RT: 26.051 min Scan# 5694
Delta R.T. -0.004 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:278 Resp: 15583

Ion	Ratio	Lower	Upper
278	100		
139	22.5	18.1	27.1
279	29.0	25.0	37.4

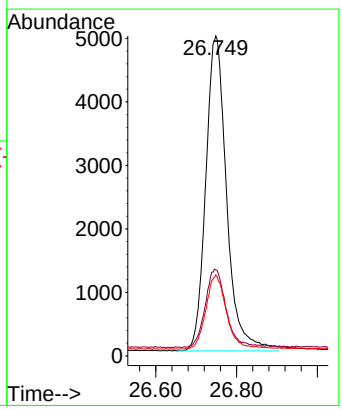




#29
Benzo(g,h,i)perylene
Concen: 0.453 ng/ul
RT: 26.749 min Scan# 5902
Delta R.T. -0.004 min
Lab File: BN038252.D
Acq: 02 Dec 2025 13:24

Tgt Ion:276 Resp: 17802

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.6	32.4
277	25.3	19.8	29.6



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120225\
Data File : BN038252.D
Acq On : 02 Dec 2025 13:24
Operator : RC/JU
Sample : PB170718BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SLCS718

Quant Time: Dec 03 00:27:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	6852	0.400	ng/ul	0.00
4) Naphthalene-d8	10.568	136	19542	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.428	164	9302	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.184	188	14225	0.400	ng/ul	0.00
17) Chrysene-d12	21.374	240	9367	0.400	ng/ul	0.00
23) Perylene-d12	23.680	264	9919	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	5577	0.776	ng/ul	0.03
6) 2-Methylnaphthalene-d10	12.168	152	9779	0.351	ng/ul	0.00
18) Fluoranthene-d10	19.216	212	11769	0.323	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	14161	1.828	ng/ul	88
5) Naphthalene	10.617	128	20844	0.393	ng/ul	100
7) 2-Methylnaphthalene	12.240	142	13008	0.367	ng/ul	100
8) 1-Methylnaphthalene	12.459	142	12711	0.338	ng/ul	100
10) Acenaphthylene	14.146	152	17361	0.397	ng/ul	99
11) Acenaphthene	14.493	153	12621	0.389	ng/ul	100
12) Fluorene	15.483	166	12759	0.366	ng/ul	98
14) Pentachlorophenol	16.838	266	2641	1.158	ng/ul	98
15) Phenanthrene	17.226	178	17669	0.397	ng/ul	99
16) Anthracene	17.319	178	15392	0.407	ng/ul	100
19) Fluoranthene	19.244	202	17041	0.340	ng/ul	98
20) Pyrene	19.607	202	17213	0.347	ng/ul	97
21) Benzo(a)anthracene	21.356	228	13391	0.428	ng/ul	99
22) Chrysene	21.409	228	15314	0.394	ng/ul	99
24) Benzo(b)fluoranthene	22.981	252	15110	0.389	ng/ul	98
25) Benzo(k)fluoranthene	23.028	252	16347	0.400	ng/ul	98
26) Benzo(a)pyrene	23.578	252	14461	0.412	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.034	276	20410	0.489	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.051	278	15583	0.532	ng/ul	98
29) Benzo(g,h,i)perylene	26.749	276	17802	0.453	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS720

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170720BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038273.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/21/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

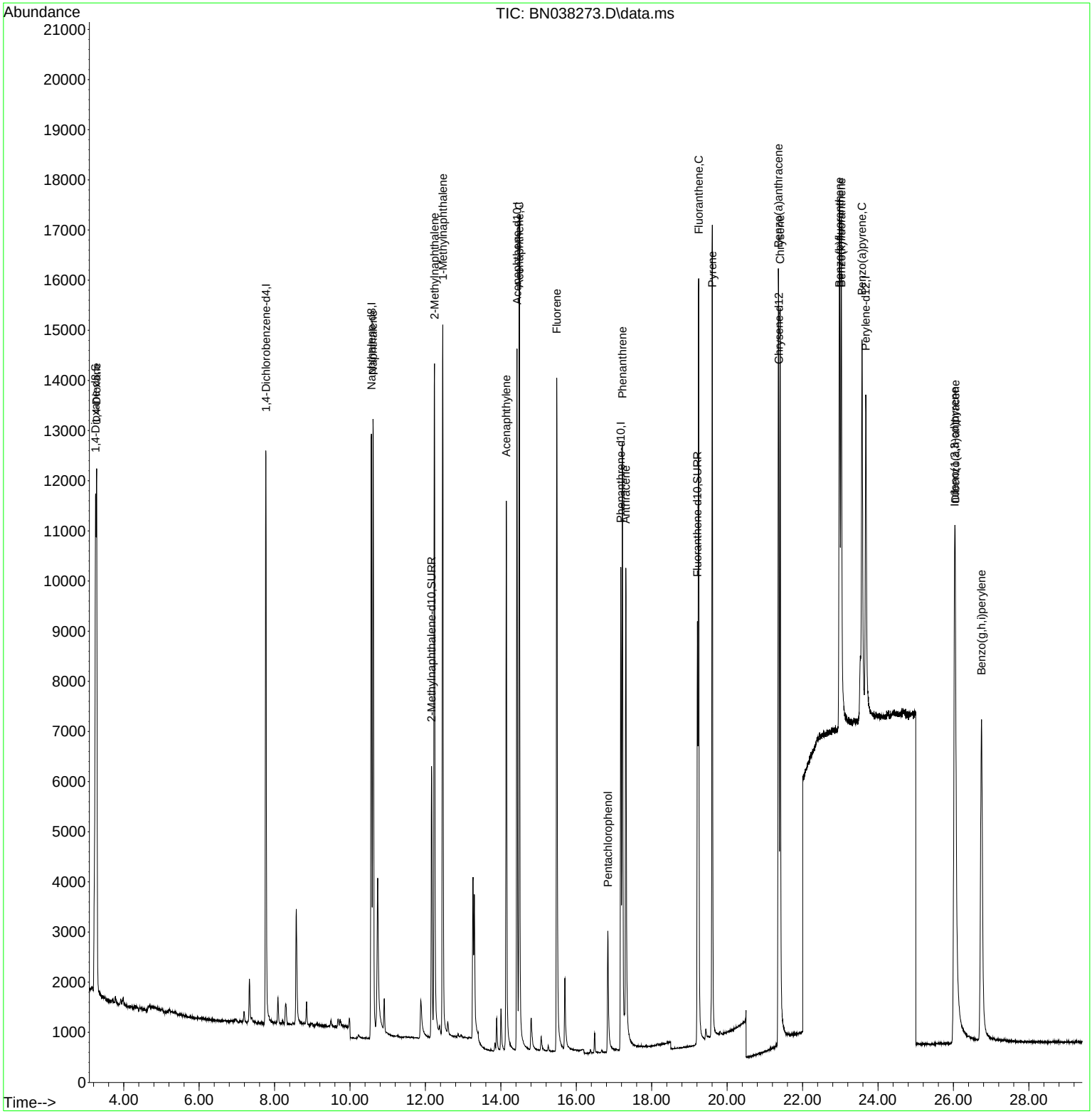
CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	1.8	

Quantitation Report (QT Reviewed)

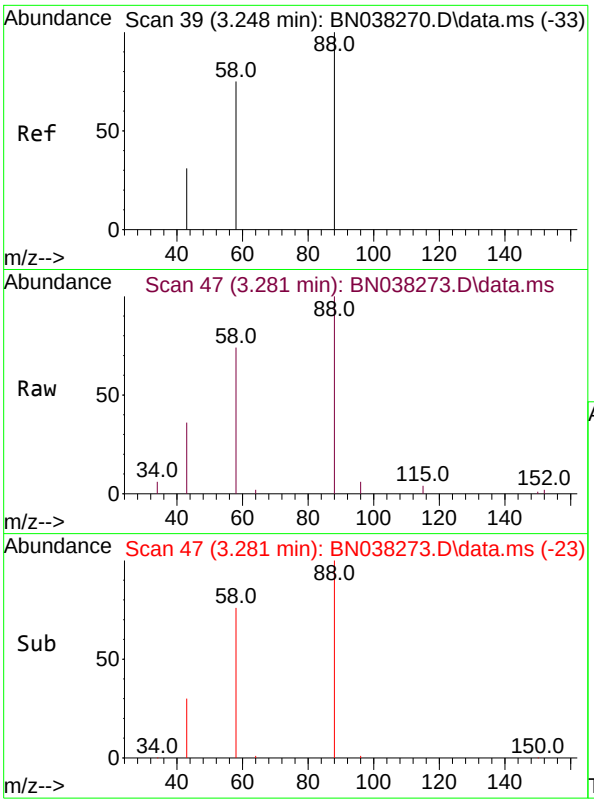
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038273.D
Acq On : 05 Dec 2025 13:54
Operator : RC/JU
Sample : PB170720BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SLCS720

Quant Time: Dec 05 14:22:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



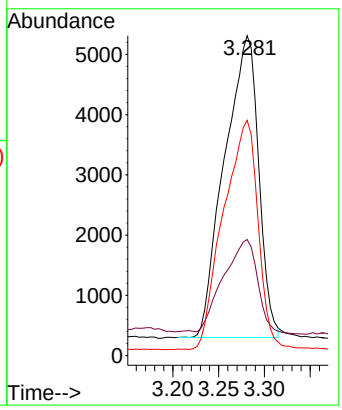
Instrument :
BNA_N
ClientSampleId :
SLCS720

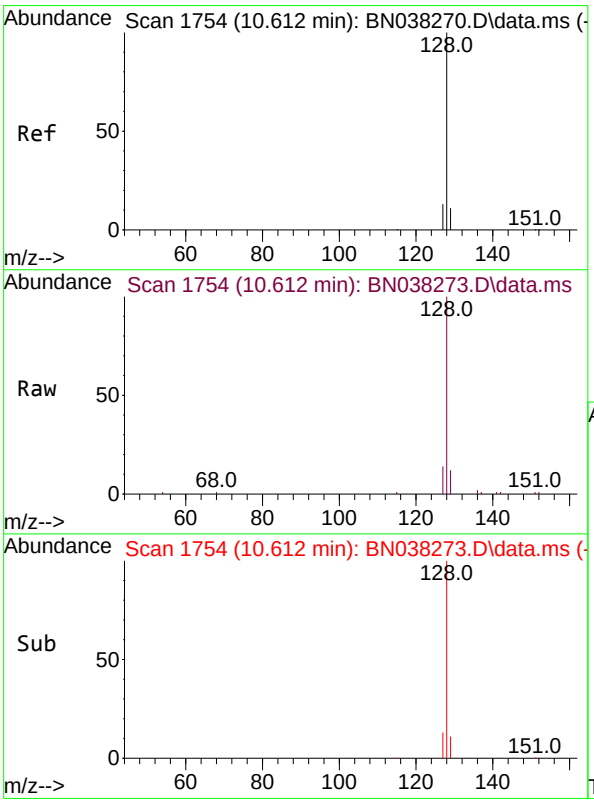


#2
1,4-Dioxane
Concen: 1.804 ng/ul
RT: 3.281 min Scan# 47
Delta R.T. 0.029 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion: 88 Resp: 12927

Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.5	41.3
58	73.5	50.5	75.7

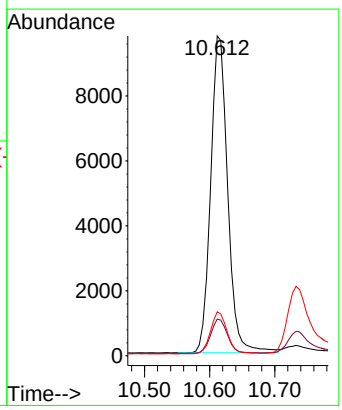




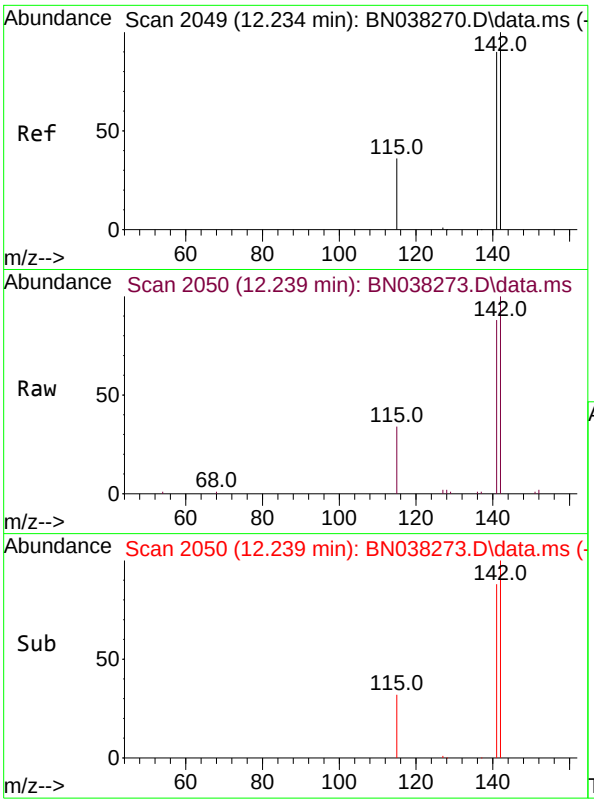
#5
Naphthalene
Concen: 0.372 ng/ul
RT: 10.612 min Scan# 1754
Delta R.T. -0.011 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:128 Resp: 17718

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.8	10.6	16.0



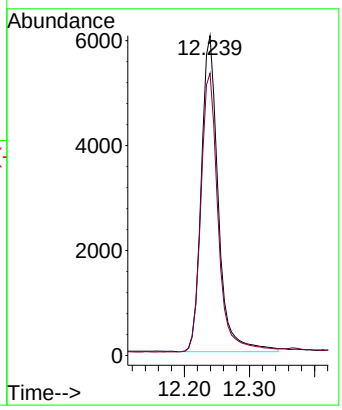
Instrument :
BNA_N
ClientSampleId :
SLCS720

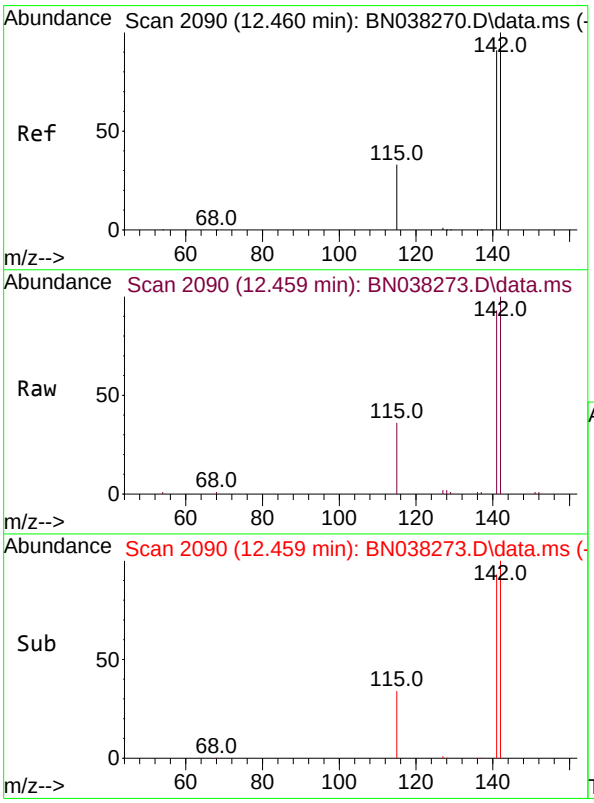


#7
2-Methylnaphthalene
Concen: 0.343 ng/ul
RT: 12.239 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:142 Resp: 10897

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.7	107.5

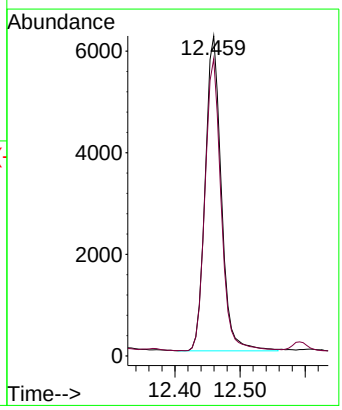




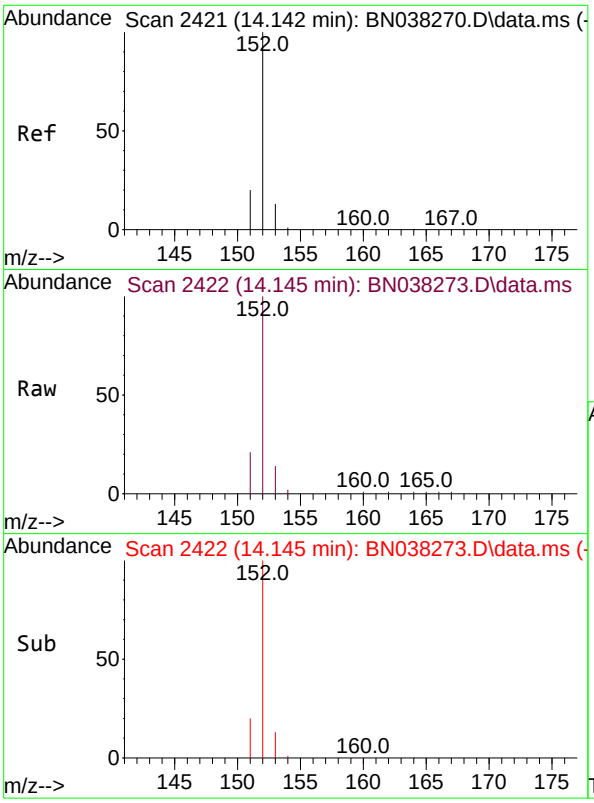
#8
1-Methylnaphthalene
Concen: 0.314 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:142 Resp: 10612

Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.1	111.1



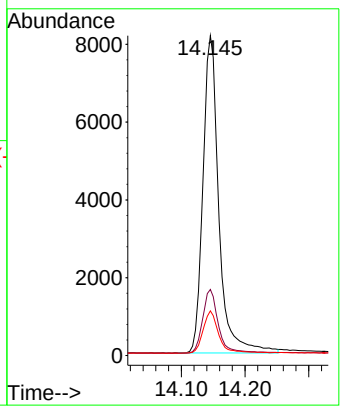
Instrument :
BNA_N
ClientSampleId :
SLCS720

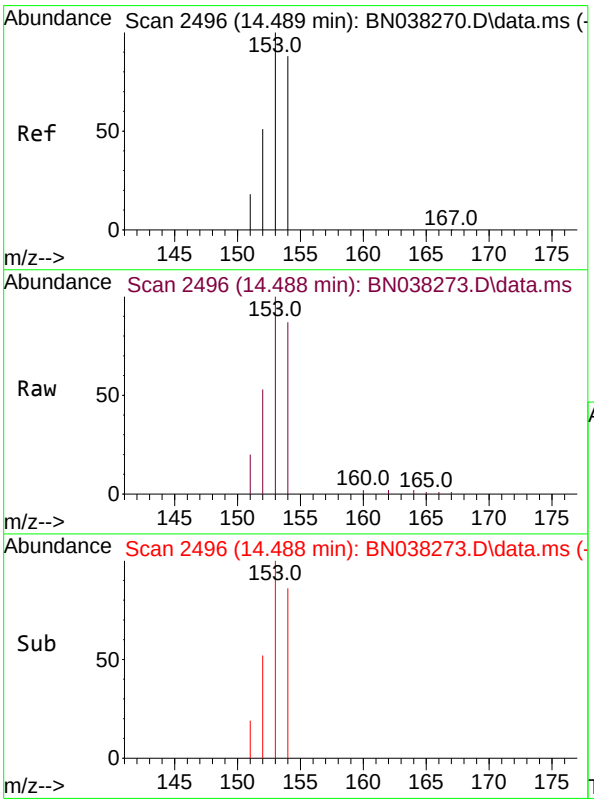


#10
Acenaphthylene
Concen: 0.373 ng/ul
RT: 14.145 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:152 Resp: 14162

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	14.0	10.7	16.1

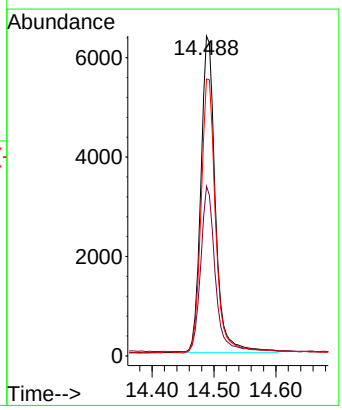




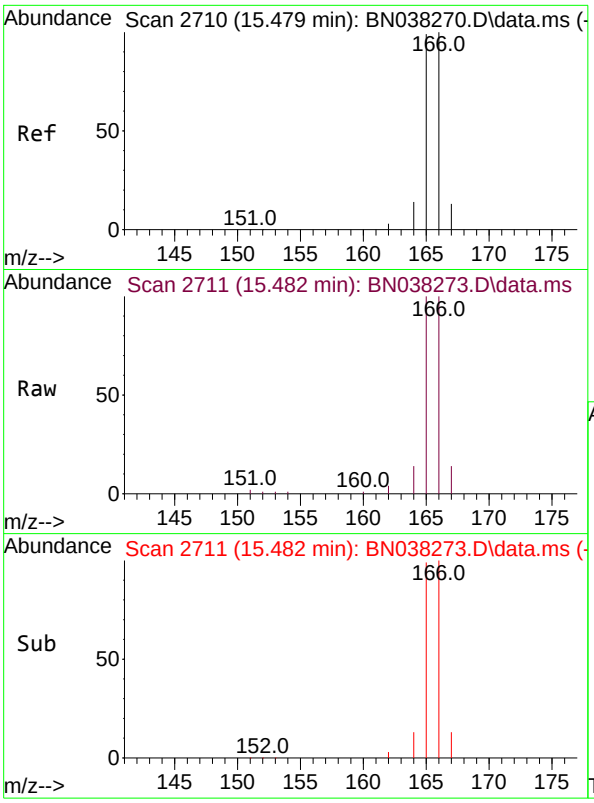
#11
Acenaphthene
Concen: 0.368 ng/ul
RT: 14.488 min Scan# 2496
Delta R.T. -0.010 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:153 Resp: 10388

Ion	Ratio	Lower	Upper
153	100		
152	53.0	41.4	62.0
154	86.6	69.7	104.5



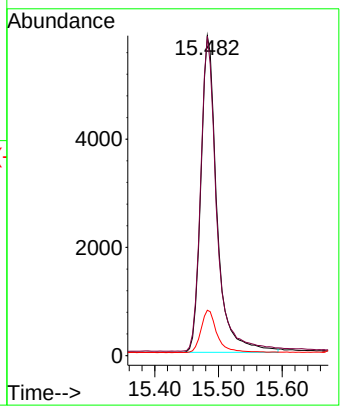
Instrument :
BNA_N
ClientSampleId :
SLCS720

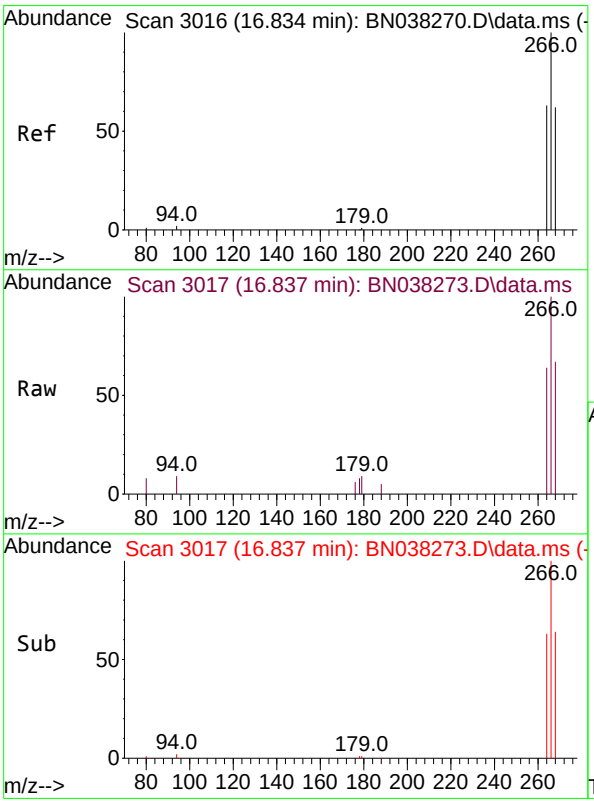


#12
Fluorene
Concen: 0.341 ng/ul
RT: 15.482 min Scan# 2711
Delta R.T. -0.006 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:166 Resp: 10326

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.1	117.1
167	14.2	11.0	16.4

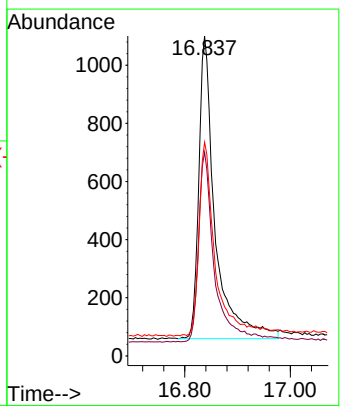


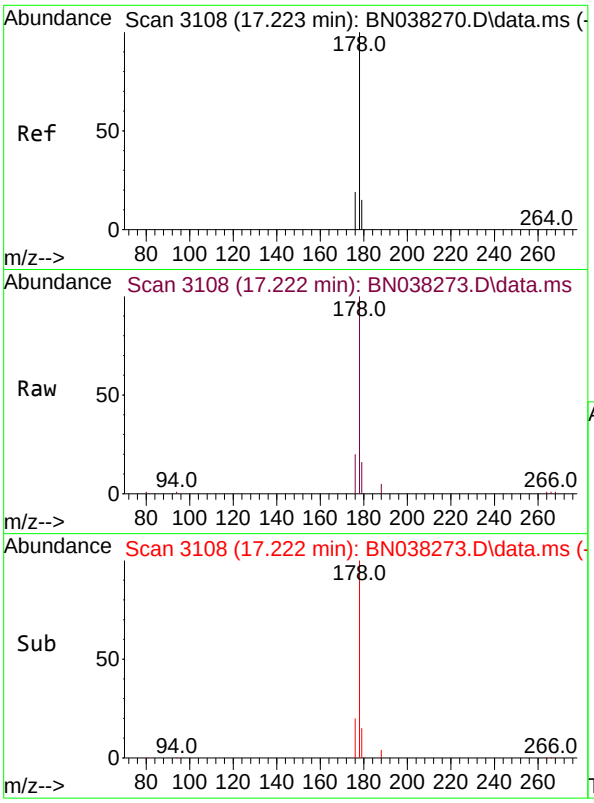


#14
Pentachlorophenol
Concen: 1.116 ng/ul
RT: 16.837 min Scan# 3017
Delta R.T. -0.009 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:266 Resp: 2224

Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.3	73.9
268	65.6	53.7	80.5

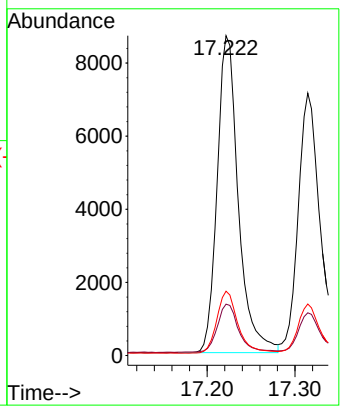


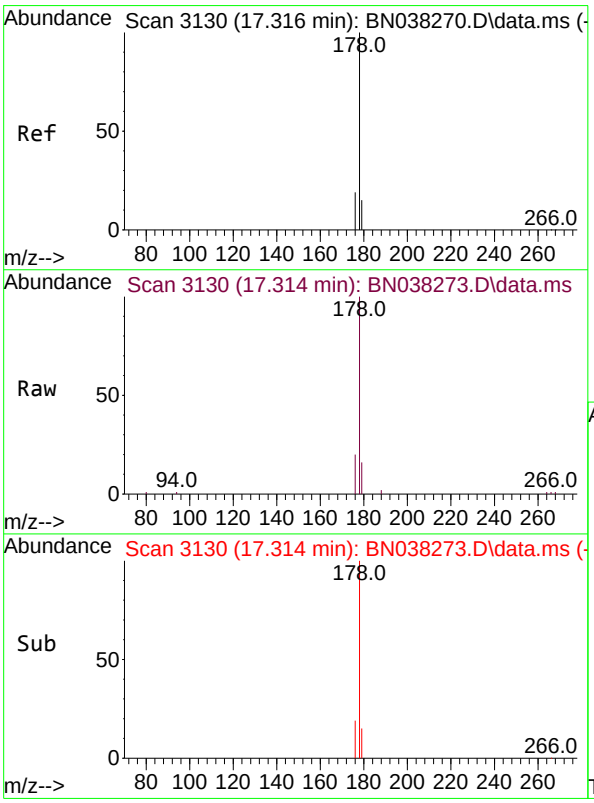


#15
Phenanthrene
Concen: 0.373 ng/ul
RT: 17.222 min Scan# 3108
Delta R.T. -0.009 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:178 Resp: 14511

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.4	18.6
176	20.1	15.8	23.6

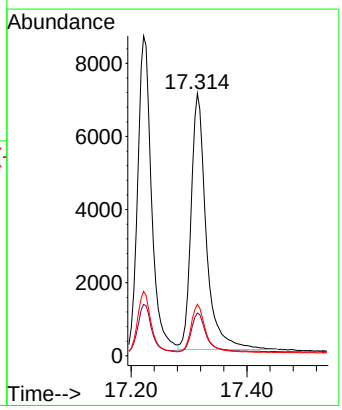




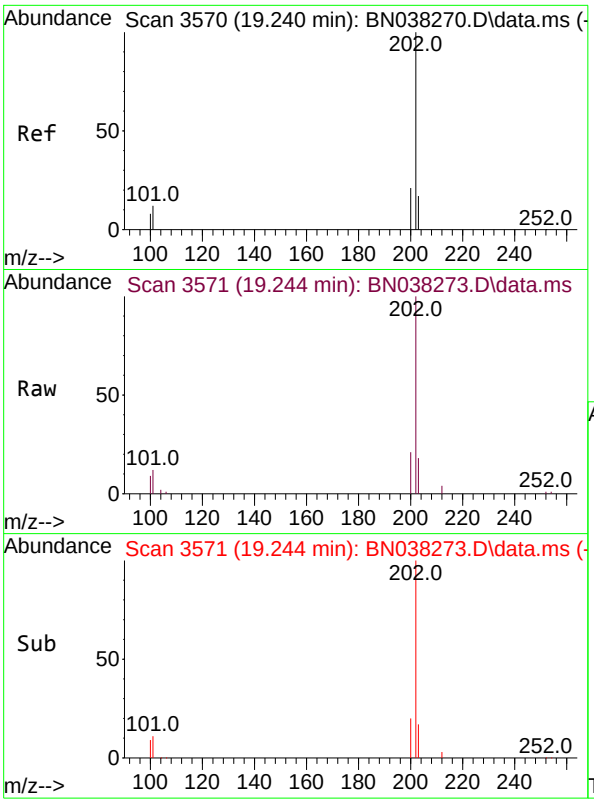
#16
Anthracene
Concen: 0.385 ng/ul
RT: 17.314 min Scan# 3130
Delta R.T. -0.009 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:178 Resp: 12717

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.8	19.2
176	19.7	15.4	23.2



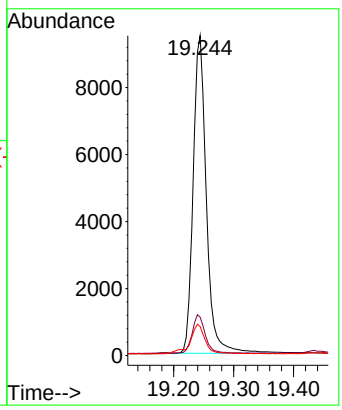
Instrument :
BNA_N
ClientSampleId :
SLCS720



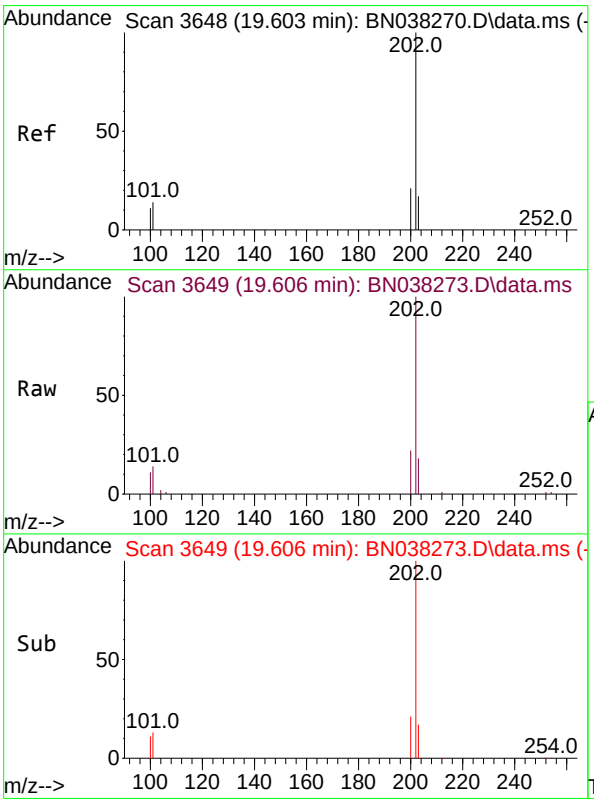
#19
Fluoranthene
Concen: 0.294 ng/ul
RT: 19.244 min Scan# 3571
Delta R.T. -0.006 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:202 Resp: 14497

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.3	13.9
100	9.1	7.2	10.8



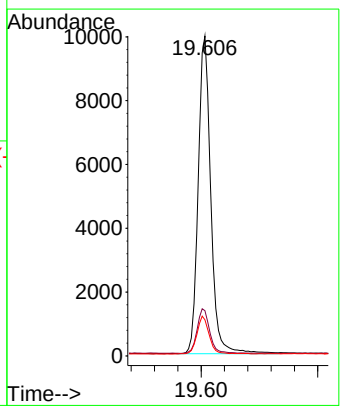
Instrument :
BNA_N
ClientSampleId :
SLCS720



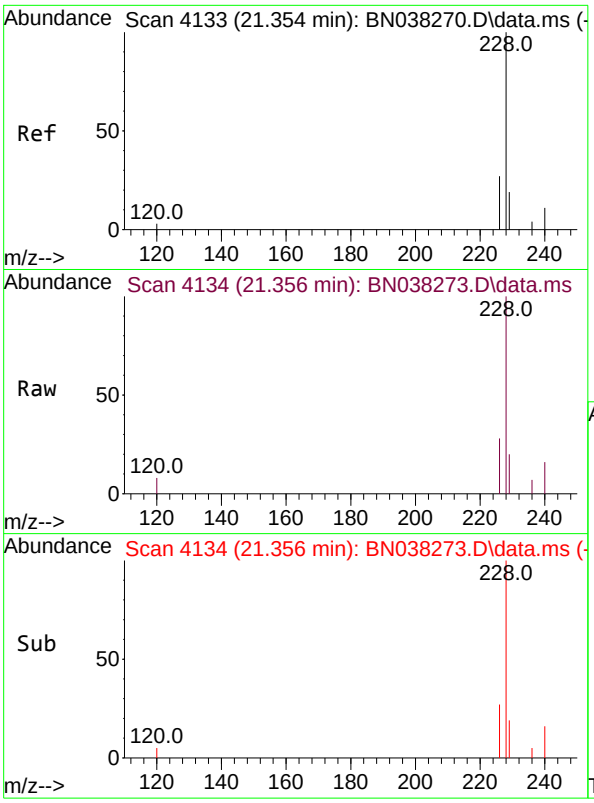
#20
Pyrene
Concen: 0.305 ng/ul
RT: 19.606 min Scan# 3649
Delta R.T. -0.006 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:202 Resp: 14856

Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.6	16.0
100	11.3	8.5	12.7



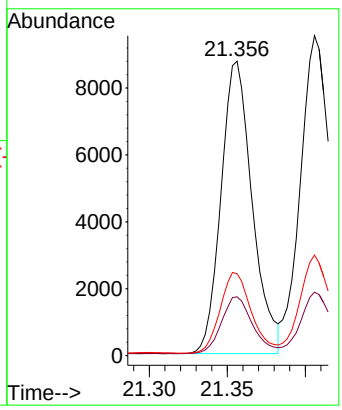
Instrument :
BNA_N
ClientSampleId :
SLCS720

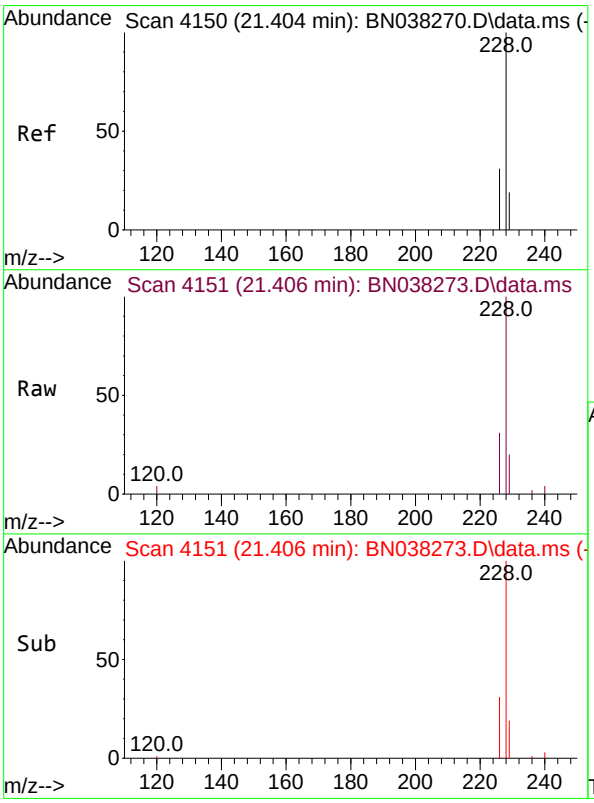


#21
Benzo(a)anthracene
Concen: 0.396 ng/ul
RT: 21.356 min Scan# 4134
Delta R.T. -0.001 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:228 Resp: 12204

Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.6	23.4
226	27.8	22.4	33.6

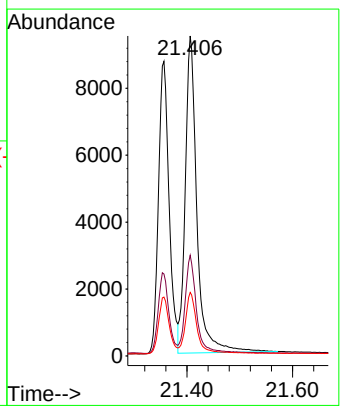




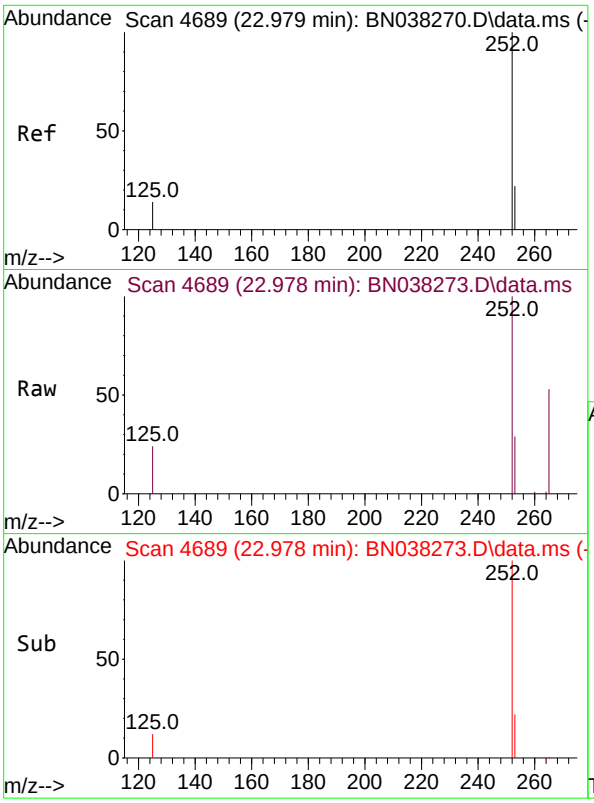
#22
Chrysene
Concen: 0.380 ng/ul
RT: 21.406 min Scan# 4151
Delta R.T. -0.004 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:228 Resp: 14531

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.4
229	19.8	15.4	23.0



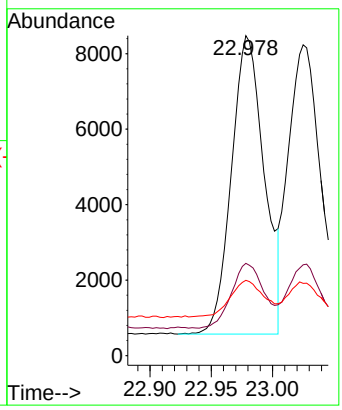
Instrument :
BNA_N
ClientSampleId :
SLCS720

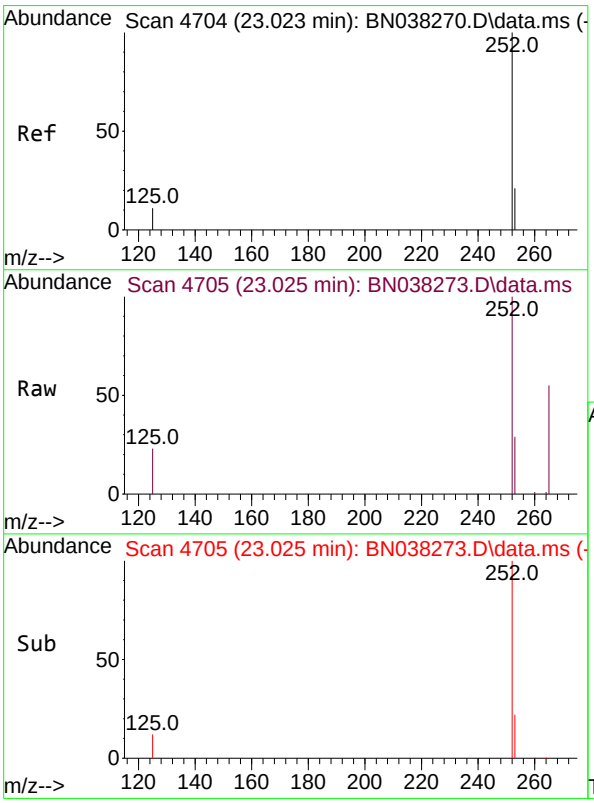


#24
Benzo(b)fluoranthene
Concen: 0.389 ng/ul
RT: 22.978 min Scan# 4689
Delta R.T. -0.004 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:252 Resp: 14728

Ion	Ratio	Lower	Upper
252	100		
253	28.8	0.0	55.8
125	23.5	0.0	45.6

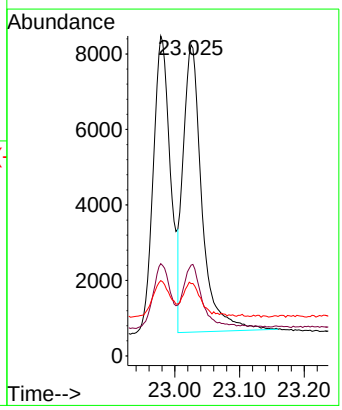




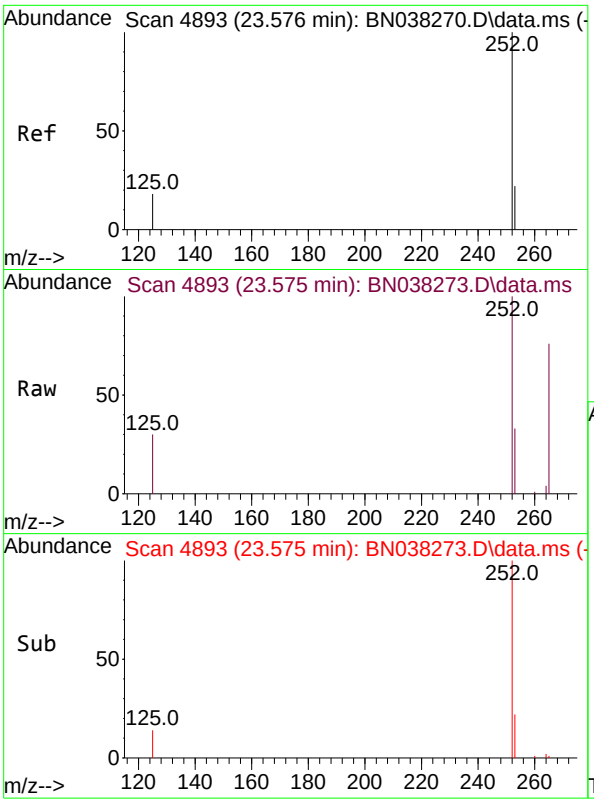
#25
Benzo(k)fluoranthene
Concen: 0.385 ng/ul
RT: 23.025 min Scan# 4705
Delta R.T. -0.004 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:252 Resp: 15350

Ion	Ratio	Lower	Upper
252	100		
253	29.2	22.9	34.3
125	23.3	17.7	26.5



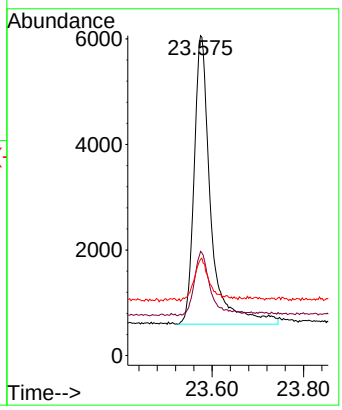
Instrument :
BNA_N
ClientSampleId :
SLCS720

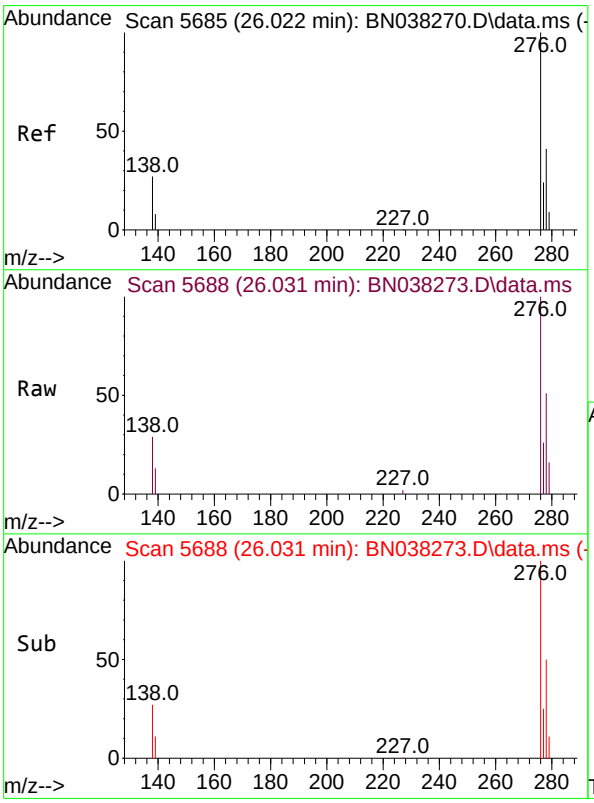


#26
Benzo(a)pyrene
Concen: 0.404 ng/ul
RT: 23.575 min Scan# 4893
Delta R.T. -0.007 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:252 Resp: 13800

Ion	Ratio	Lower	Upper
252	100		
253	32.6	25.9	38.9
125	30.1	24.6	37.0

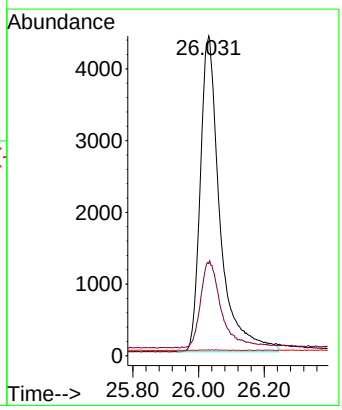




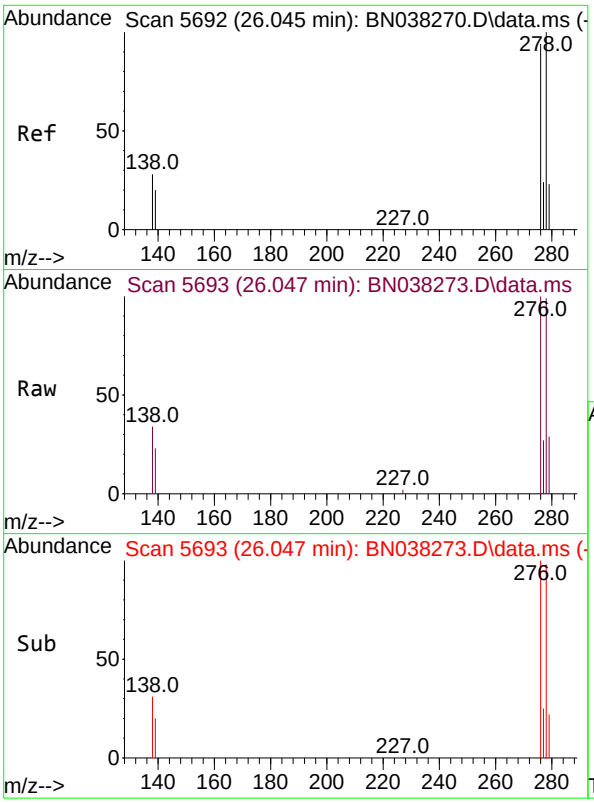
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.450 ng/ul
RT: 26.031 min Scan# 5688
Delta R.T. -0.008 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:276 Resp: 18304

Ion	Ratio	Lower	Upper
276	100		
138	29.1	22.9	34.3
227	0.0	0.0	0.0#



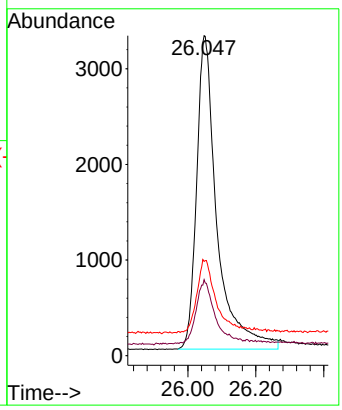
Instrument :
BNA_N
ClientSampleId :
SLCS720

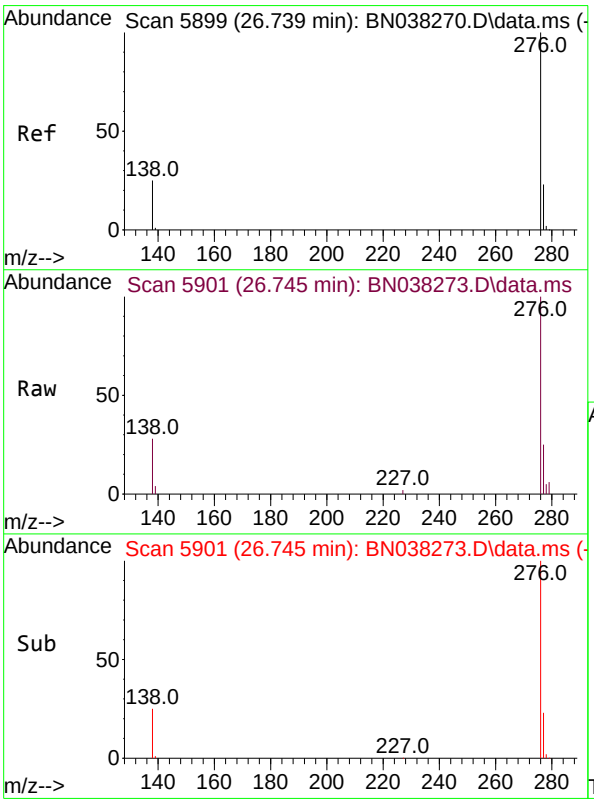


#28
Dibenzo(a,h)anthracene
Concen: 0.478 ng/ul
RT: 26.047 min Scan# 5693
Delta R.T. -0.008 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:278 Resp: 13662

Ion	Ratio	Lower	Upper
278	100		
139	23.7	18.1	27.1
279	29.4	25.0	37.4

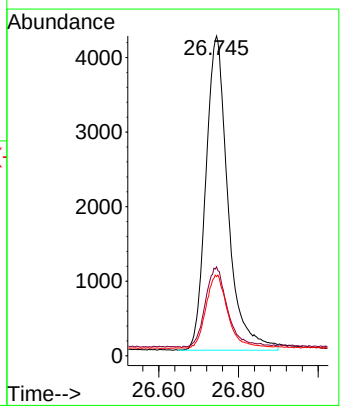




#29
Benzo(g,h,i)perylene
Concen: 0.424 ng/ul
RT: 26.745 min Scan# 5901
Delta R.T. -0.008 min
Lab File: BN038273.D
Acq: 05 Dec 2025 13:54

Tgt Ion:276 Resp: 16227

Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.6	32.4
277	24.8	19.8	29.6



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038273.D
Acq On : 05 Dec 2025 13:54
Operator : RC/JU
Sample : PB170720BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SLCS720

Quant Time: Dec 05 14:22:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.770	152	6339	0.400	ng/ul	0.00
4) Naphthalene-d8	10.568	136	17529	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.428	164	8089	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	12427	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	9212	0.400	ng/ul	0.00
23) Perylene-d12	23.677	264	9668	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	5106	0.768	ng/ul	0.03
6) 2-Methylnaphthalene-d10	12.162	152	8124	0.325	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	9827	0.274	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	12927	1.804	ng/ul	90
5) Naphthalene	10.612	128	17718	0.372	ng/ul	99
7) 2-Methylnaphthalene	12.239	142	10897	0.343	ng/ul	100
8) 1-Methylnaphthalene	12.459	142	10612	0.314	ng/ul	100
10) Acenaphthylene	14.145	152	14162	0.373	ng/ul	99
11) Acenaphthene	14.488	153	10388	0.368	ng/ul	99
12) Fluorene	15.482	166	10326	0.341	ng/ul	98
14) Pentachlorophenol	16.837	266	2224	1.116	ng/ul	99
15) Phenanthrene	17.222	178	14511	0.373	ng/ul	99
16) Anthracene	17.314	178	12717	0.385	ng/ul	99
19) Fluoranthene	19.244	202	14497	0.294	ng/ul	99
20) Pyrene	19.606	202	14856	0.305	ng/ul	98
21) Benzo(a)anthracene	21.356	228	12204	0.396	ng/ul	99
22) Chrysene	21.406	228	14531	0.380	ng/ul	99
24) Benzo(b)fluoranthene	22.978	252	14728	0.389	ng/ul	98
25) Benzo(k)fluoranthene	23.025	252	15350	0.385	ng/ul	98
26) Benzo(a)pyrene	23.575	252	13800	0.404	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.031	276	18304	0.450	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.047	278	13662	0.478	ng/ul	97
29) Benzo(g,h,i)perylene	26.745	276	16227	0.424	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS722

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170722BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038274.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

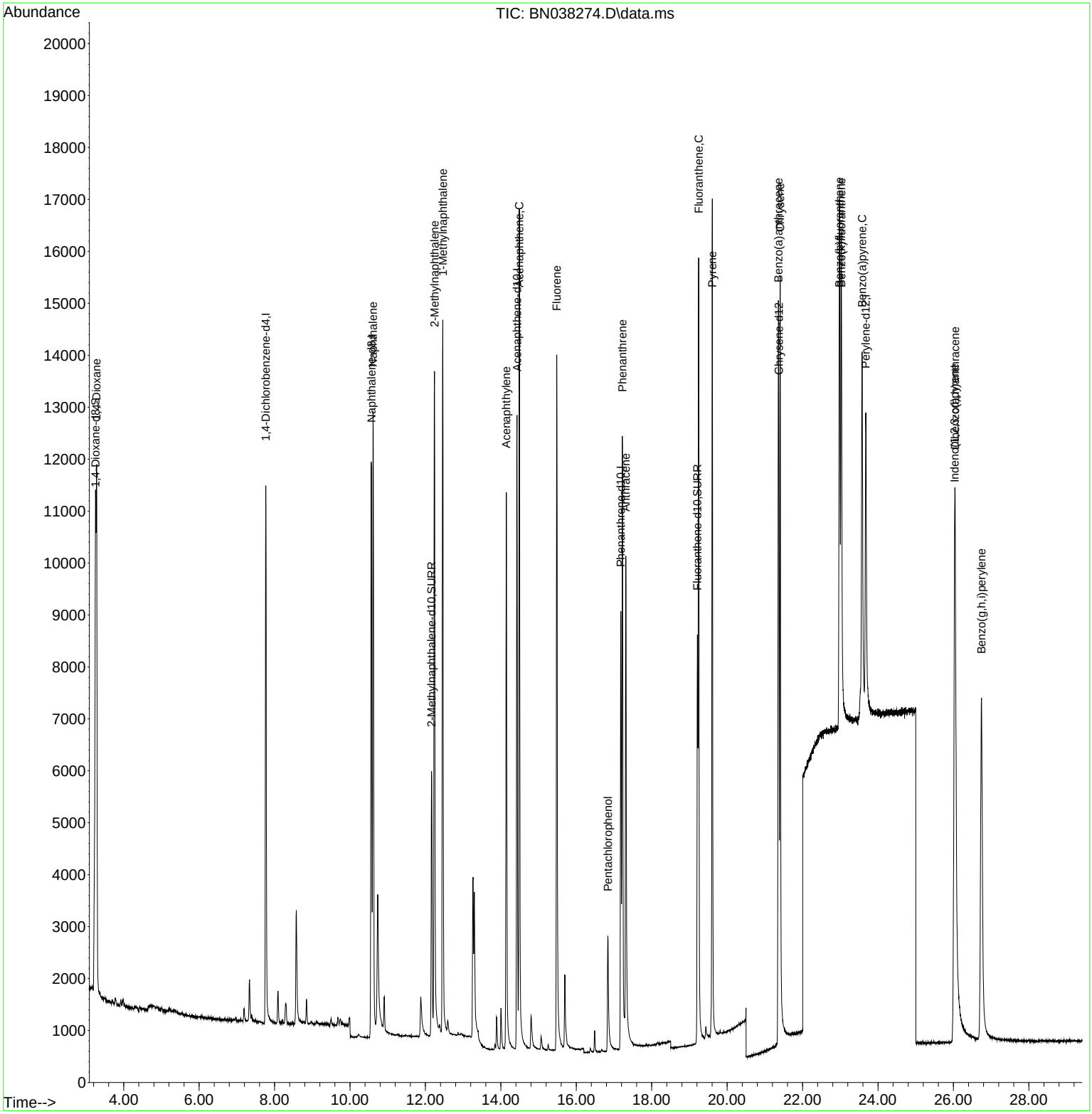
CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	1.9	

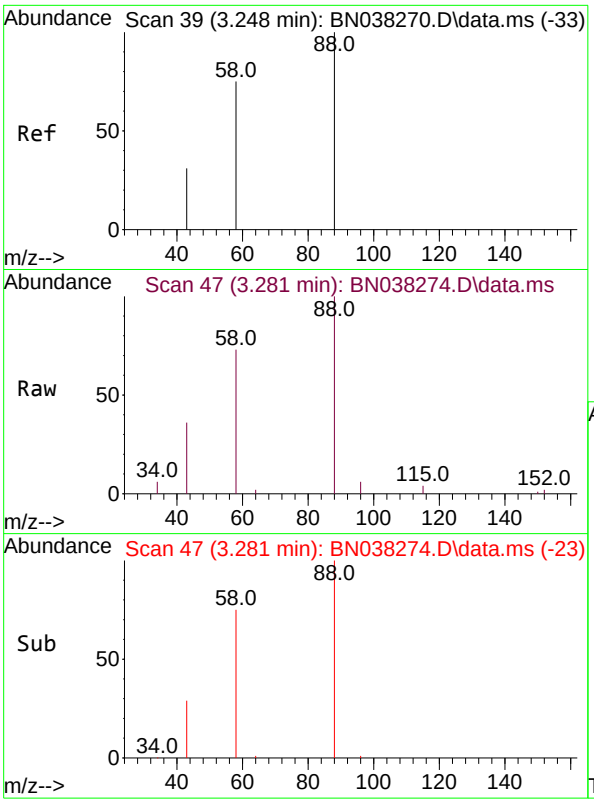
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038274.D
Acq On : 05 Dec 2025 14:31
Operator : RC/JU
Sample : PB170722BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SLCS722

Quant Time: Dec 05 14:55:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

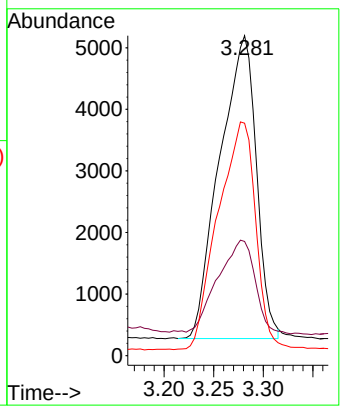




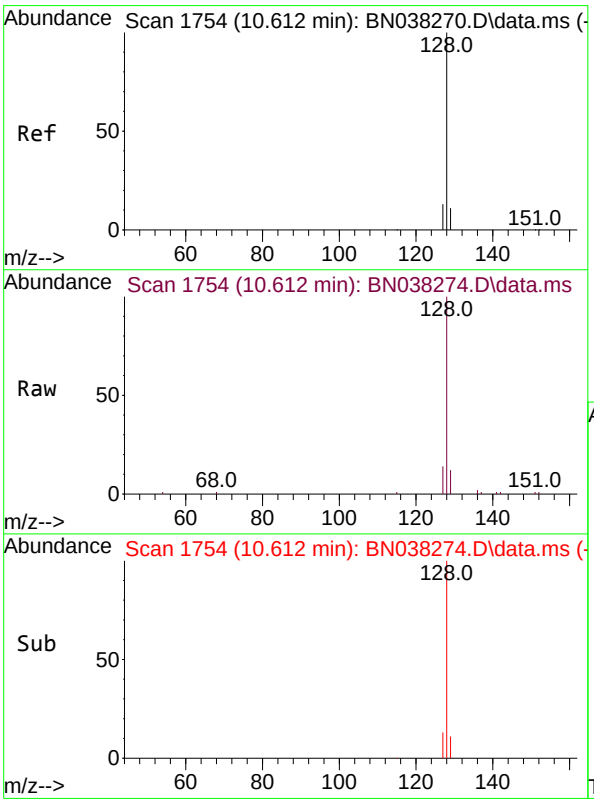
#2
1,4-Dioxane
Concen: 1.948 ng/ul
RT: 3.281 min Scan# 47
Delta R.T. 0.030 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion: 88 Resp: 12597

Ion	Ratio	Lower	Upper
88	100		
43	35.7	27.5	41.3
58	72.6	50.5	75.7



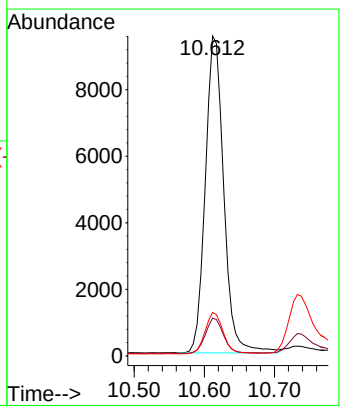
Instrument :
BNA_N
ClientSampleId :
SLCS722



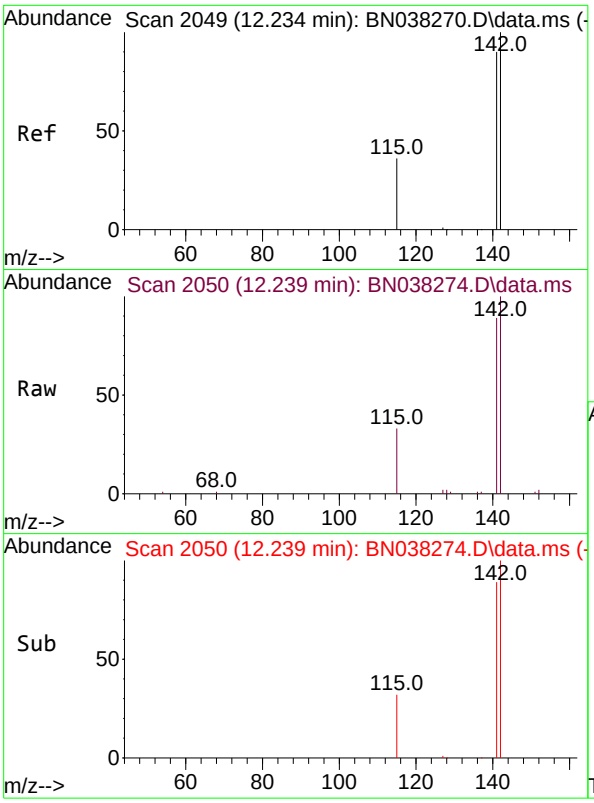
#5
Naphthalene
Concen: 0.402 ng/ul
RT: 10.612 min Scan# 1754
Delta R.T. -0.011 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:128 Resp: 17419

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.6
127	13.6	10.6	16.0



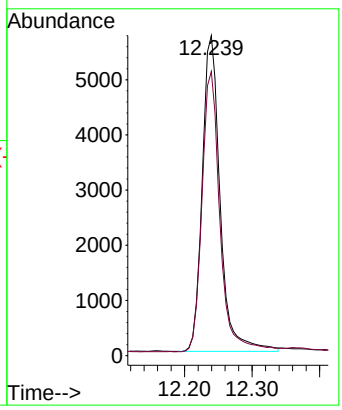
Instrument :
BNA_N
ClientSampleId :
SLCS722

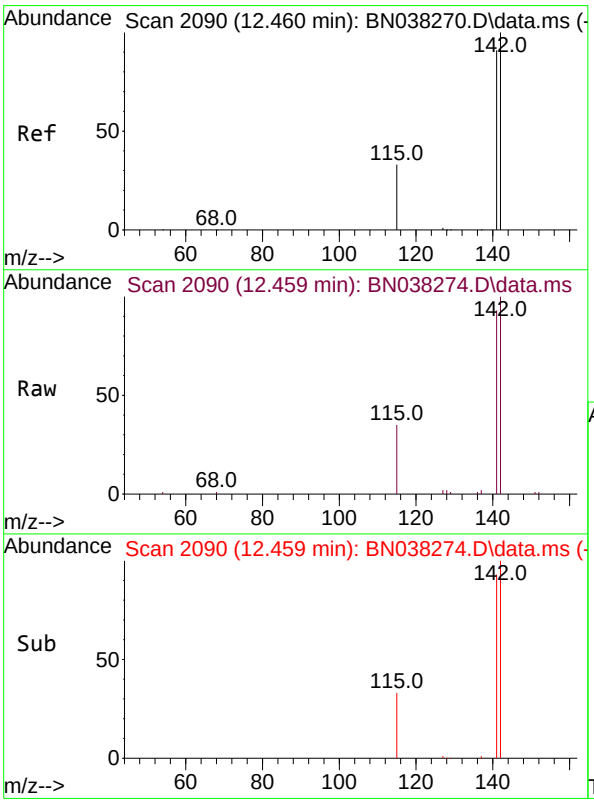


#7
2-Methylnaphthalene
Concen: 0.363 ng/ul
RT: 12.239 min Scan# 2050
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:142 Resp: 10524

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.7	107.5

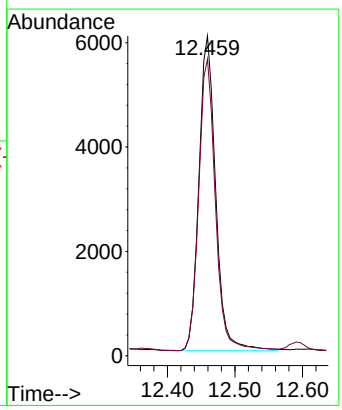


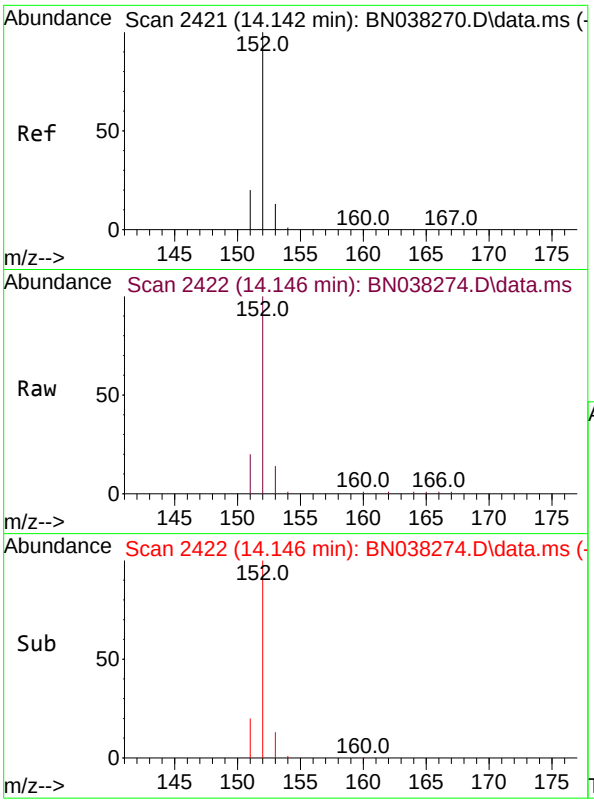


#8
1-Methylnaphthalene
Concen: 0.338 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:142 Resp: 10384

Ion	Ratio	Lower	Upper
142	100		
141	92.5	74.1	111.1

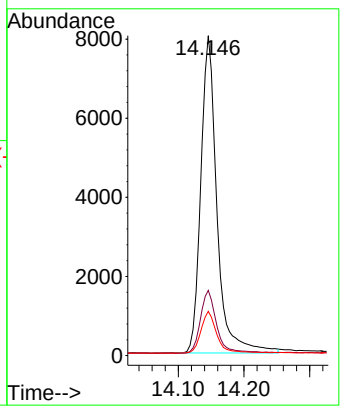




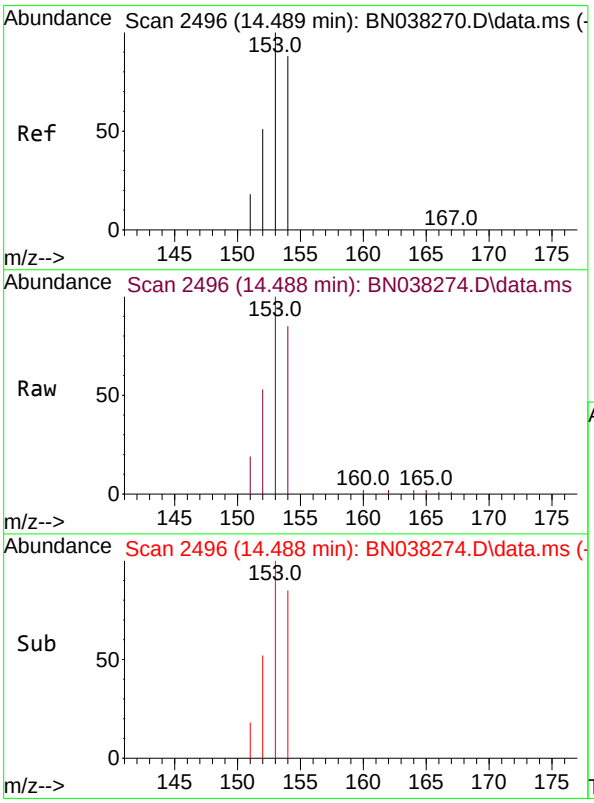
#10
Acenaphthylene
Concen: 0.400 ng/ul
RT: 14.146 min Scan# 2422
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:152 Resp: 13699

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	13.8	10.7	16.1



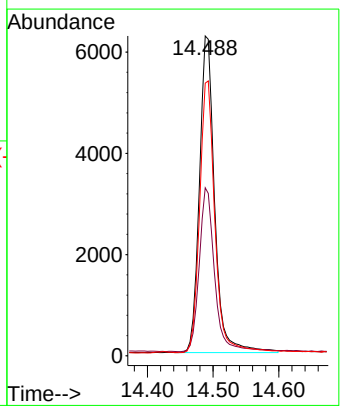
Instrument :
BNA_N
ClientSampleId :
SLCS722



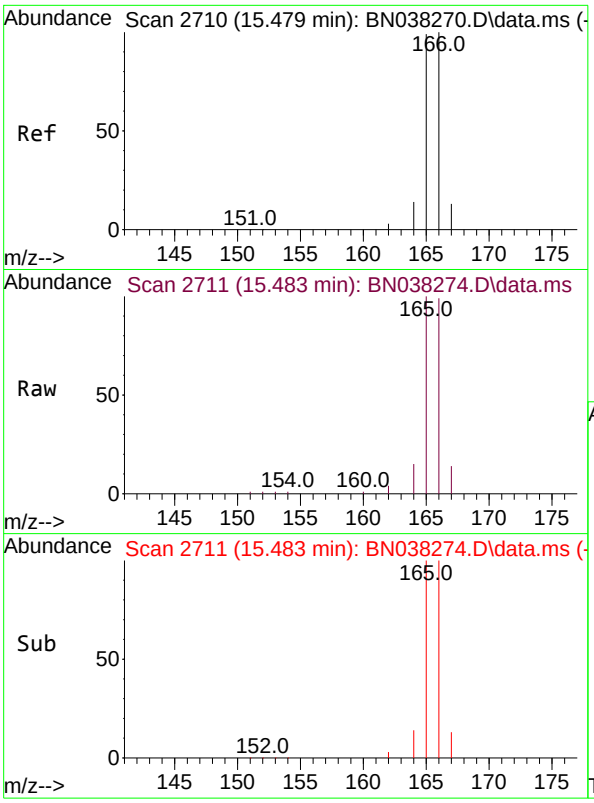
#11
Acenaphthene
Concen: 0.397 ng/ul
RT: 14.488 min Scan# 2496
Delta R.T. -0.010 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:153 Resp: 10097

Ion	Ratio	Lower	Upper
153	100		
152	52.5	41.4	62.0
154	85.2	69.7	104.5



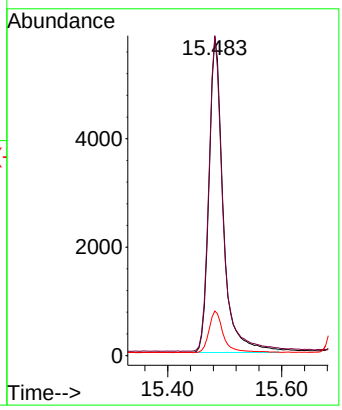
Instrument :
BNA_N
ClientSampleId :
SLCS722

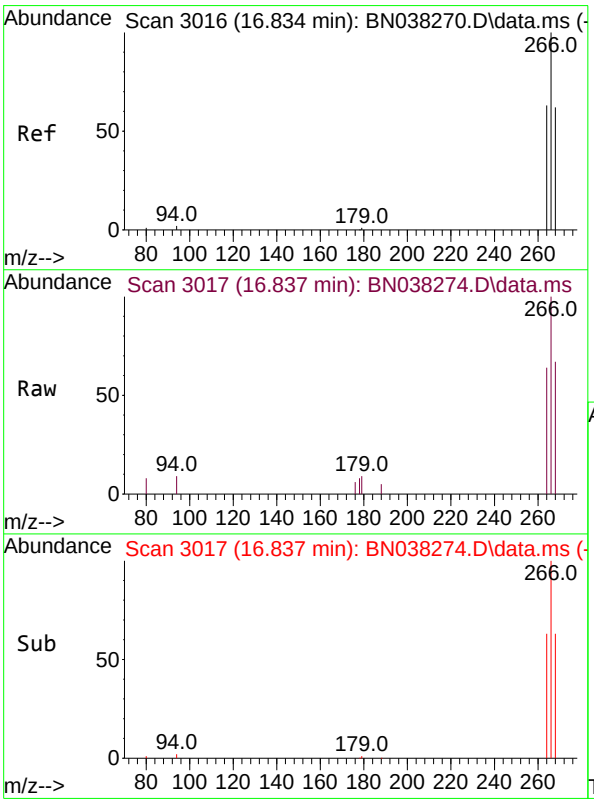


#12
Fluorene
Concen: 0.369 ng/ul
RT: 15.483 min Scan# 2711
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:166 Resp: 10083

Ion	Ratio	Lower	Upper
166	100		
165	100.6	78.1	117.1
167	14.0	11.0	16.4

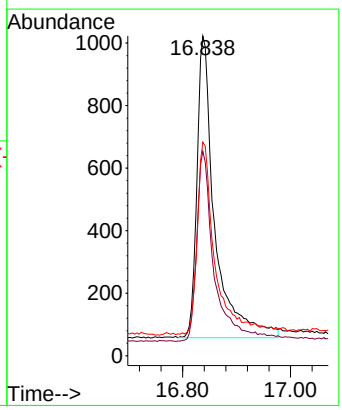


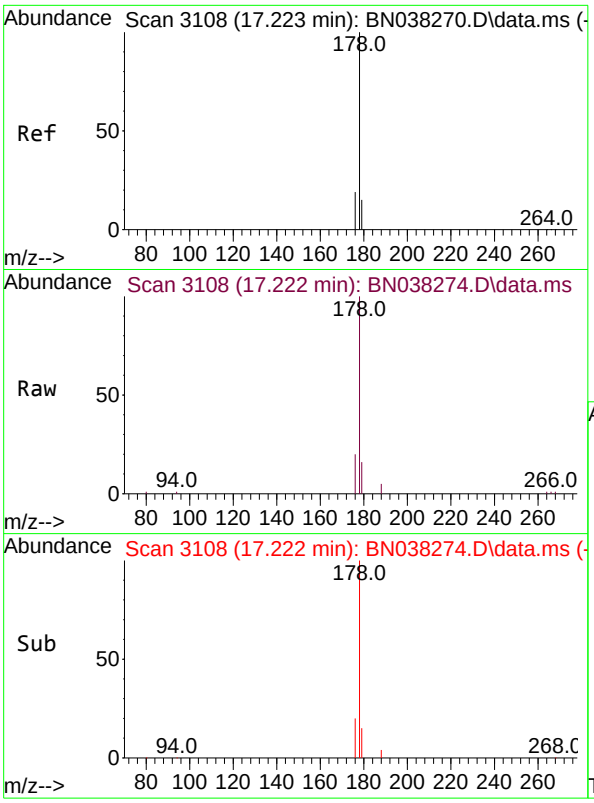


#14
Pentachlorophenol
Concen: 1.206 ng/ul
RT: 16.837 min Scan# 3017
Delta R.T. -0.009 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:266 Resp: 2206

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.3	73.9
268	64.6	53.7	80.5

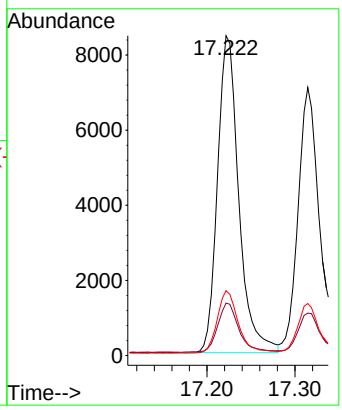




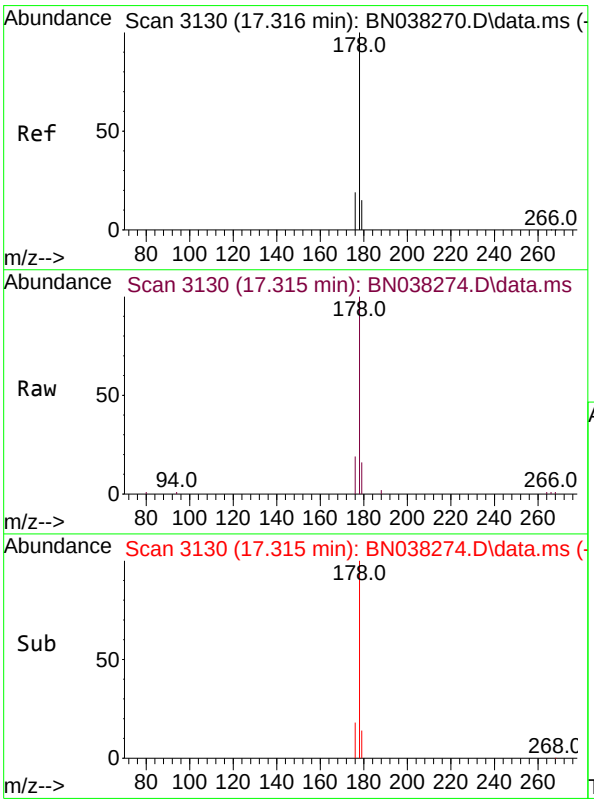
#15
Phenanthrene
Concen: 0.398 ng/ul
RT: 17.222 min Scan# 3108
Delta R.T. -0.009 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:178 Resp: 14220

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.4	18.6
176	20.3	15.8	23.6



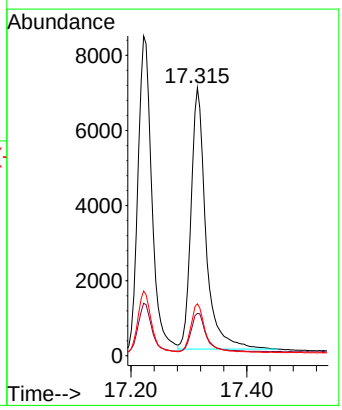
Instrument :
BNA_N
ClientSampleId :
SLCS722



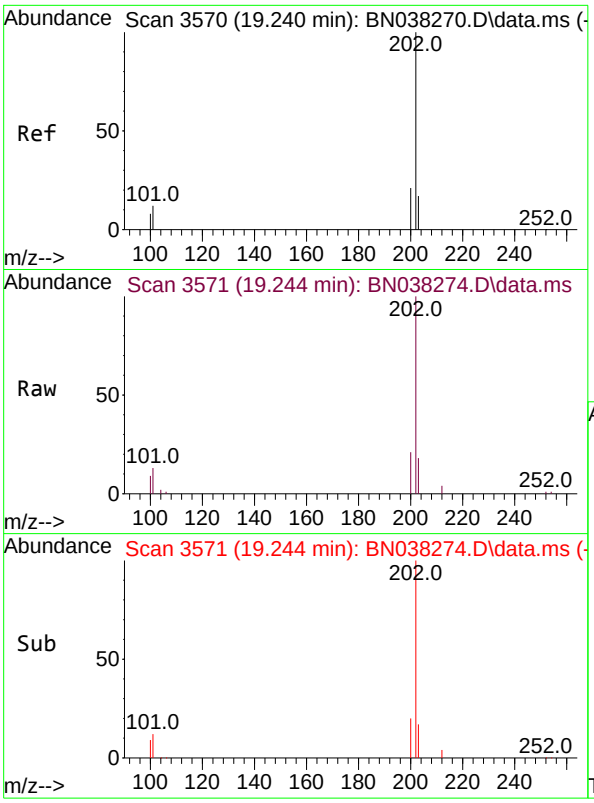
#16
Anthracene
Concen: 0.408 ng/ul
RT: 17.315 min Scan# 3130
Delta R.T. -0.009 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:178 Resp: 12383

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.8	19.2
176	19.4	15.4	23.2



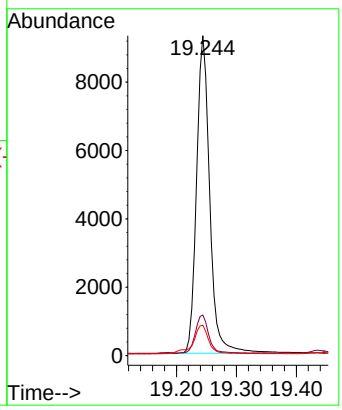
Instrument :
BNA_N
ClientSampleId :
SLCS722

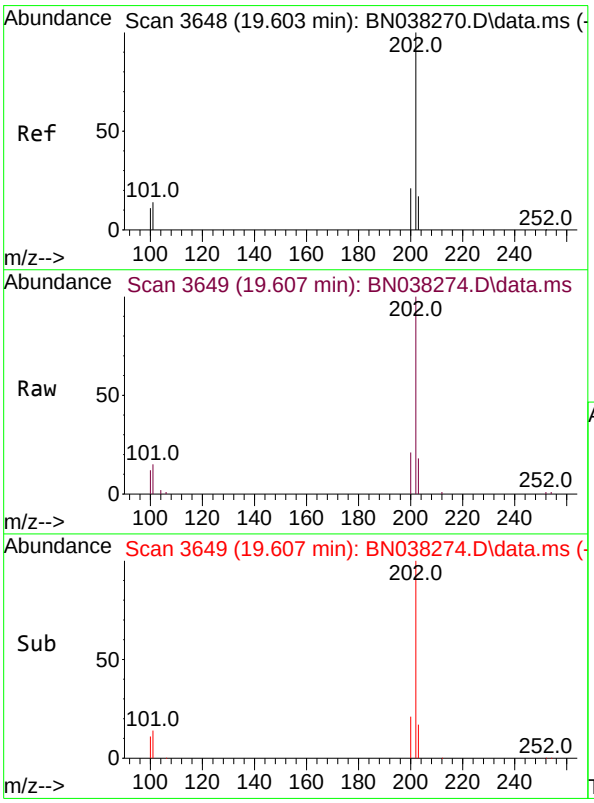


#19
Fluoranthene
Concen: 0.311 ng/ul
RT: 19.244 min Scan# 3571
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:202 Resp: 14200

Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.3	13.9
100	9.5	7.2	10.8

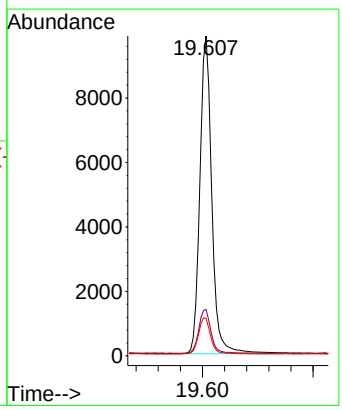




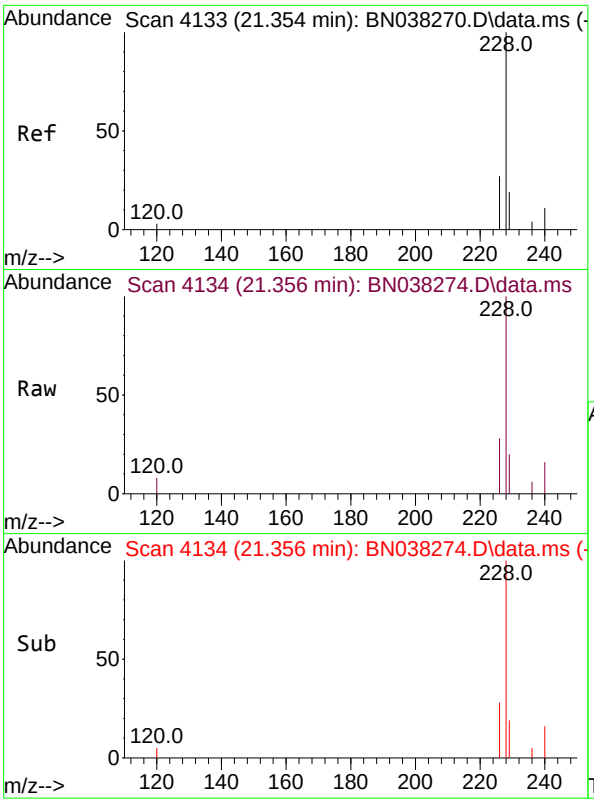
#20
Pyrene
Concen: 0.324 ng/ul
RT: 19.607 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:202 Resp: 14641

Ion	Ratio	Lower	Upper
202	100		
101	14.5	10.6	16.0
100	11.8	8.5	12.7



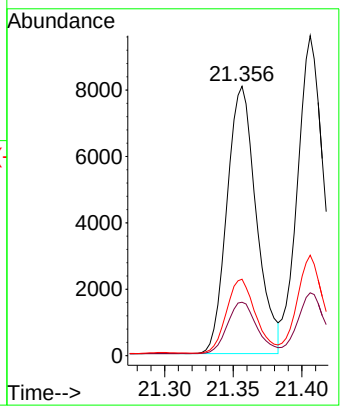
Instrument :
BNA_N
ClientSampleId :
SLCS722

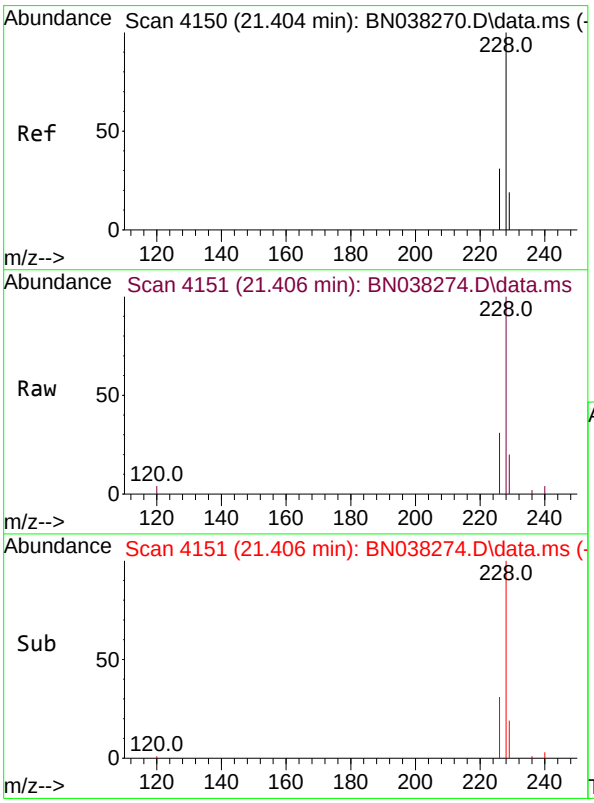


#21
Benzo(a)anthracene
Concen: 0.419 ng/ul
RT: 21.356 min Scan# 4134
Delta R.T. -0.001 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:228 Resp: 11969

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.6	23.4
226	28.4	22.4	33.6

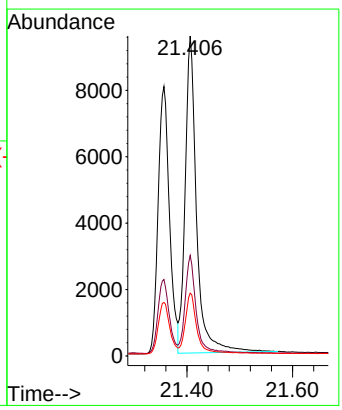


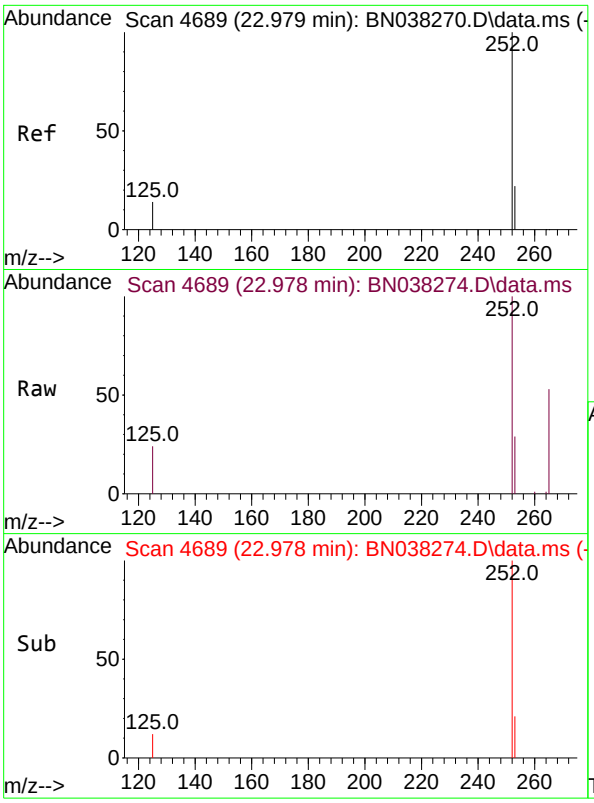


#22
Chrysene
Concen: 0.405 ng/ul
RT: 21.406 min Scan# 4151
Delta R.T. -0.004 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:228 Resp: 14335

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.4
229	19.6	15.4	23.0

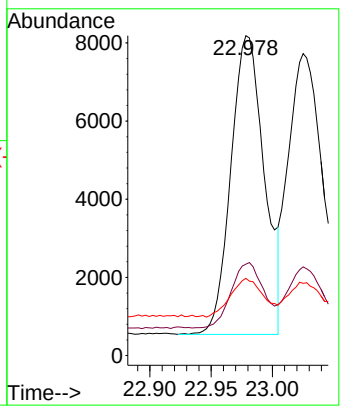




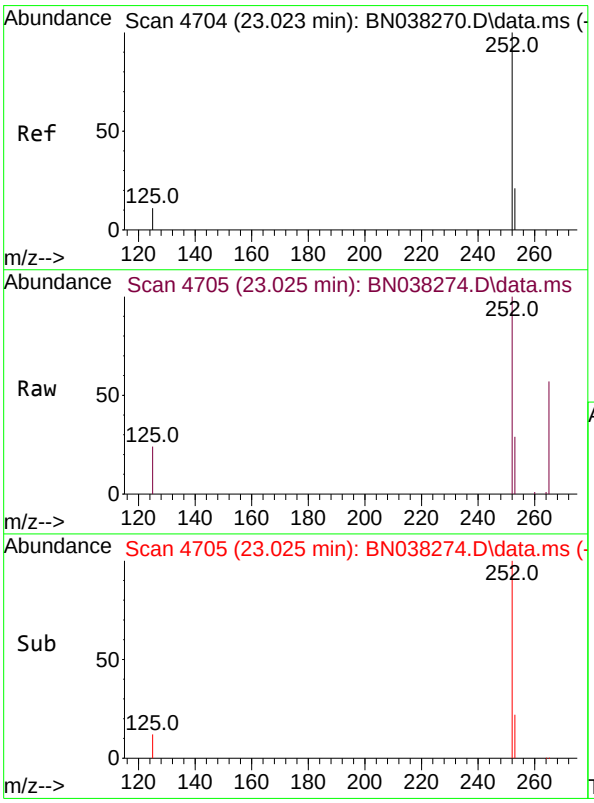
#24
Benzo(b)fluoranthene
Concen: 0.407 ng/ul
RT: 22.978 min Scan# 4689
Delta R.T. -0.004 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:252 Resp: 14509

Ion	Ratio	Lower	Upper
252	100		
253	28.6	0.0	55.8
125	24.1	0.0	45.6



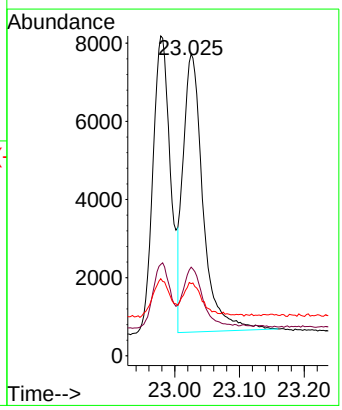
Instrument :
BNA_N
ClientSampleId :
SLCS722

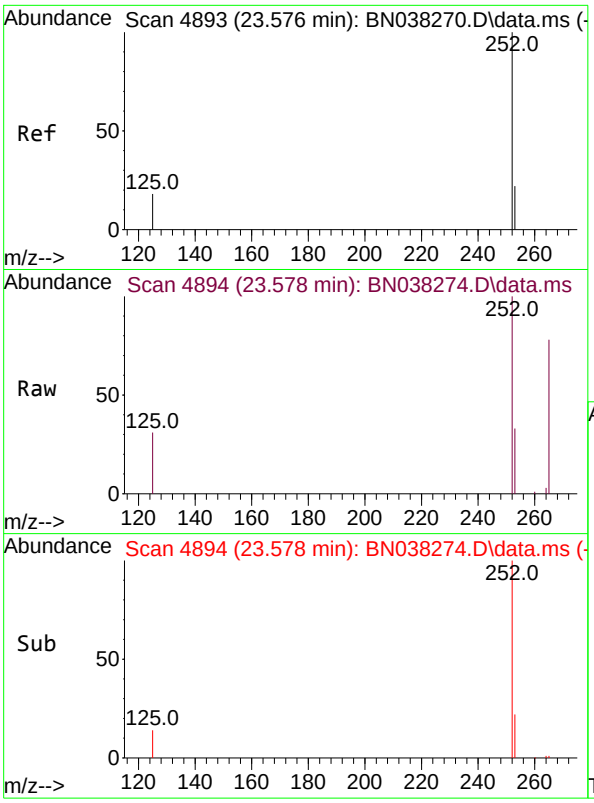


#25
Benzo(k)fluoranthene
Concen: 0.405 ng/ul
RT: 23.025 min Scan# 4705
Delta R.T. -0.004 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:252 Resp: 15226

Ion	Ratio	Lower	Upper
252	100		
253	29.4	22.9	34.3
125	23.9	17.7	26.5

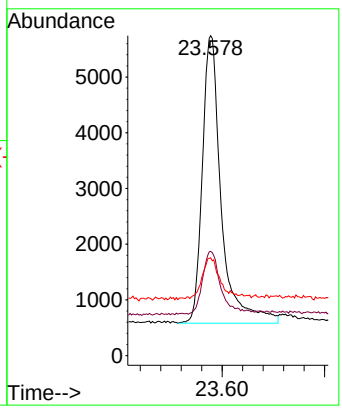




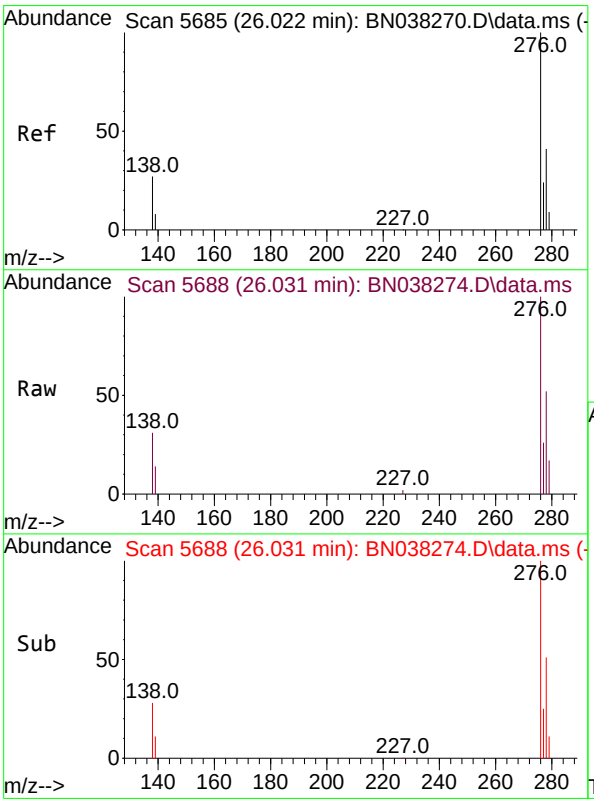
#26
Benzo(a)pyrene
Concen: 0.411 ng/ul
RT: 23.578 min Scan# 4894
Delta R.T. -0.004 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:252 Resp: 13240

Ion	Ratio	Lower	Upper
252	100		
253	32.6	25.9	38.9
125	30.6	24.6	37.0



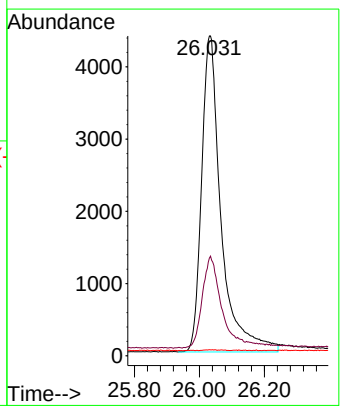
Instrument :
BNA_N
ClientSampleId :
SLCS722

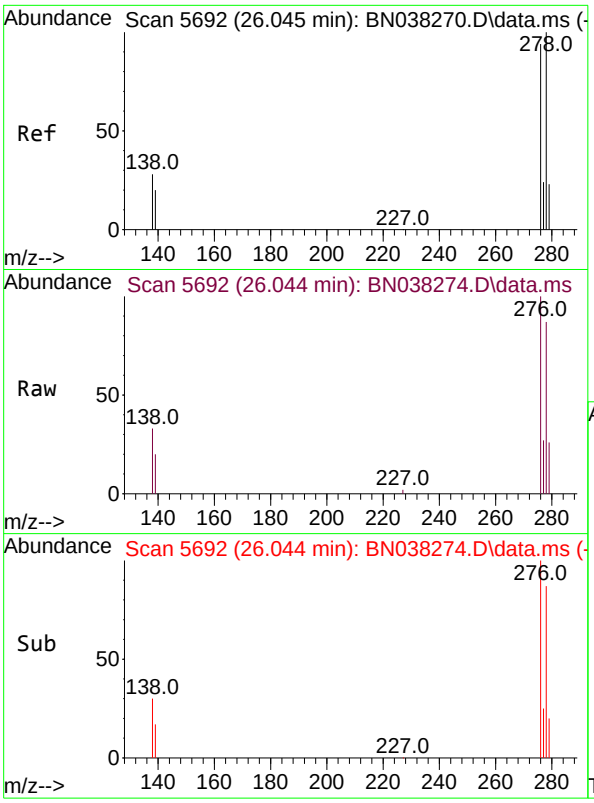


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.475 ng/ul
RT: 26.031 min Scan# 5688
Delta R.T. -0.008 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:276 Resp: 18221

Ion	Ratio	Lower	Upper
276	100		
138	30.0	22.9	34.3
227	0.2	0.0	0.0#

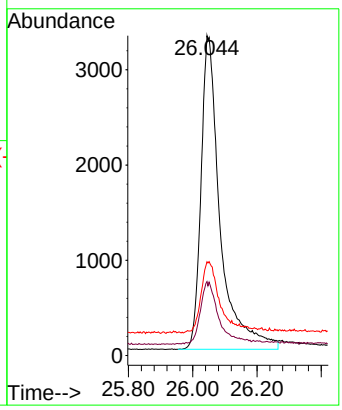


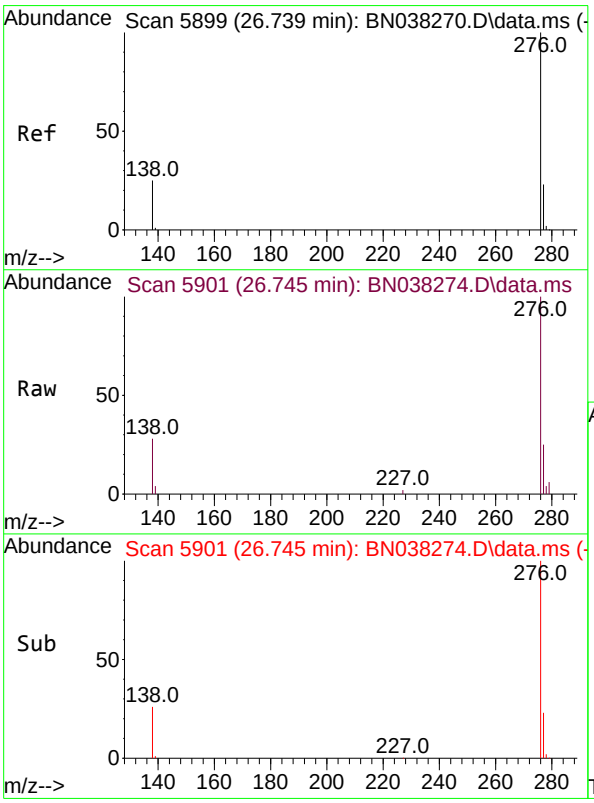


#28
Dibenzo(a,h)anthracene
Concen: 0.507 ng/ul
RT: 26.044 min Scan# 5692
Delta R.T. -0.011 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:278 Resp: 13618

Ion	Ratio	Lower	Upper
278	100		
139	23.1	18.1	27.1
279	29.3	25.0	37.4

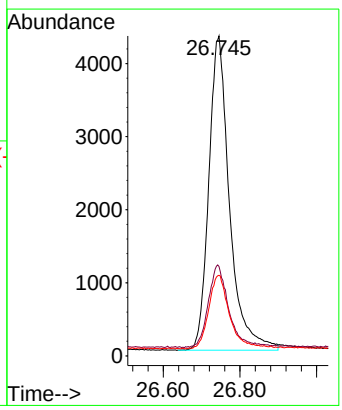




#29
Benzo(g,h,i)perylene
Concen: 0.448 ng/ul
RT: 26.745 min Scan# 5901
Delta R.T. -0.008 min
Lab File: BN038274.D
Acq: 05 Dec 2025 14:31

Tgt Ion:276 Resp: 16136

Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.6	32.4
277	25.2	19.8	29.6



Instrument :
BNA_N
ClientSampleId :
SLCS722

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038274.D
Acq On : 05 Dec 2025 14:31
Operator : RC/JU
Sample : PB170722BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SLCS722

Quant Time: Dec 05 14:55:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	5720	0.400	ng/ul	0.00
4) Naphthalene-d8	10.568	136	15969	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.428	164	7291	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	11408	0.400	ng/ul	0.00
17) Chrysene-d12	21.371	240	8537	0.400	ng/ul	0.00
23) Perylene-d12	23.677	264	9103	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.248	96	5001	0.833	ng/ul	0.03
6) 2-Methylnaphthalene-d10	12.162	152	7800	0.342	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	9604	0.289	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	12597	1.948	ng/ul	91
5) Naphthalene	10.612	128	17419	0.402	ng/ul	99
7) 2-Methylnaphthalene	12.239	142	10524	0.363	ng/ul	100
8) 1-Methylnaphthalene	12.459	142	10384	0.338	ng/ul	100
10) Acenaphthylene	14.146	152	13699	0.400	ng/ul	99
11) Acenaphthene	14.488	153	10097	0.397	ng/ul	98
12) Fluorene	15.483	166	10083	0.369	ng/ul	97
14) Pentachlorophenol	16.837	266	2206	1.206	ng/ul	98
15) Phenanthrene	17.222	178	14220	0.398	ng/ul	98
16) Anthracene	17.315	178	12383	0.408	ng/ul	100
19) Fluoranthene	19.244	202	14200	0.311	ng/ul	98
20) Pyrene	19.607	202	14641	0.324	ng/ul	97
21) Benzo(a)anthracene	21.356	228	11969	0.419	ng/ul	99
22) Chrysene	21.406	228	14335	0.405	ng/ul	99
24) Benzo(b)fluoranthene	22.978	252	14509	0.407	ng/ul	98
25) Benzo(k)fluoranthene	23.025	252	15226	0.405	ng/ul	98
26) Benzo(a)pyrene	23.578	252	13240	0.411	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.031	276	18221	0.475	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.044	278	13618	0.507	ng/ul	98
29) Benzo(g,h,i)perylene	26.745	276	16136	0.448	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS742

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170742BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038281.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/25/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

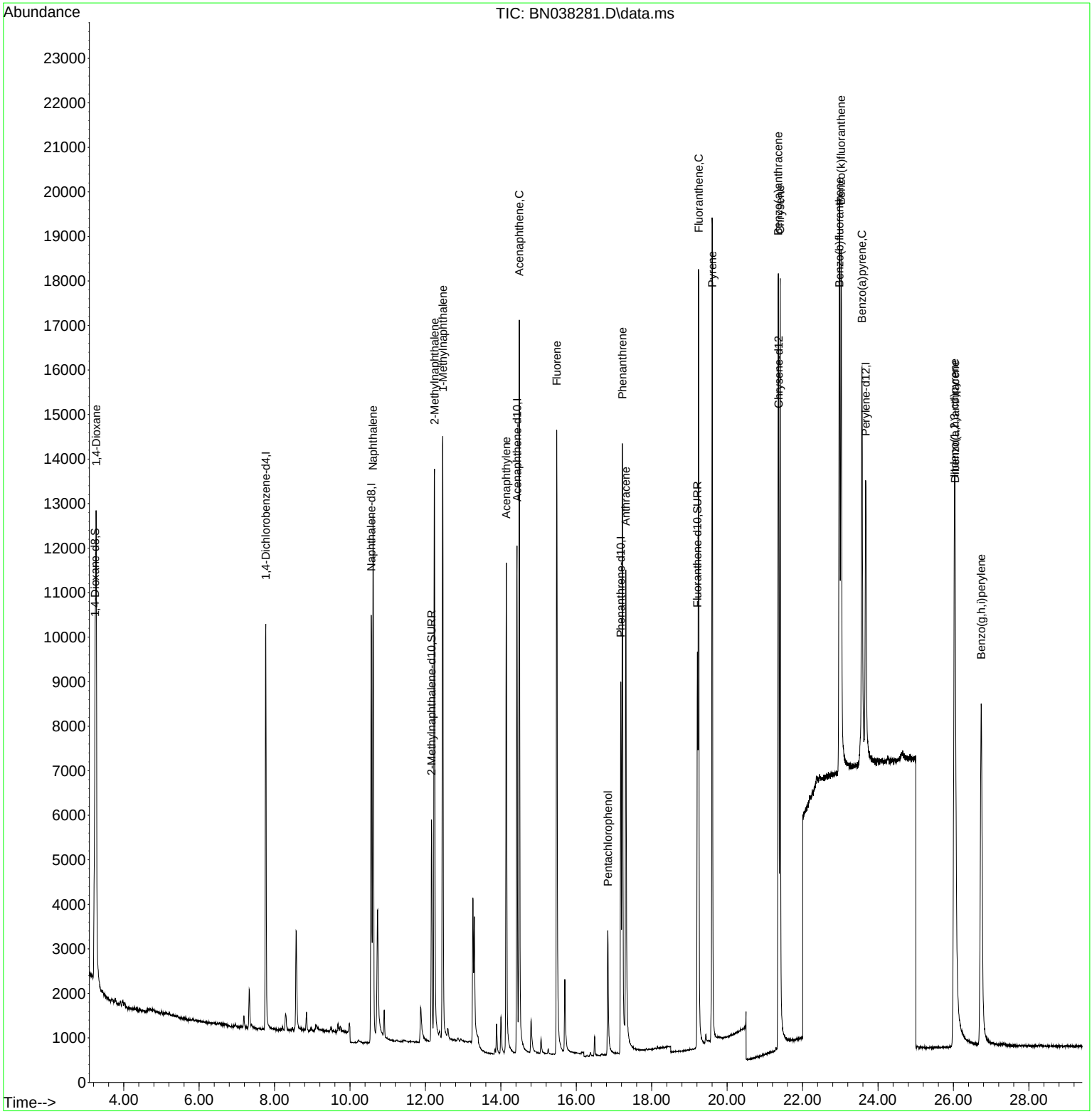
CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	2.1	

Quantitation Report (QT Reviewed)

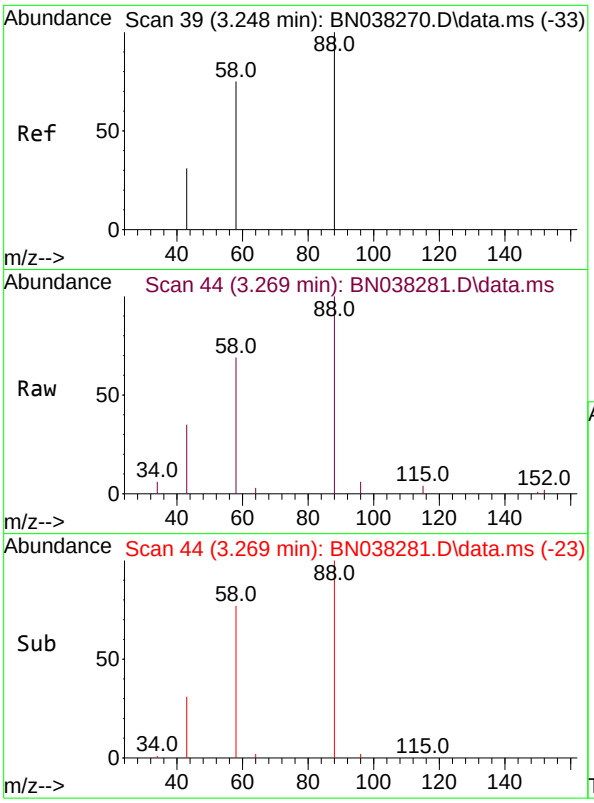
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038281.D
Acq On : 05 Dec 2025 18:44
Operator : RC/JU
Sample : PB170742BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SLCS742

Quant Time: Dec 05 22:30:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



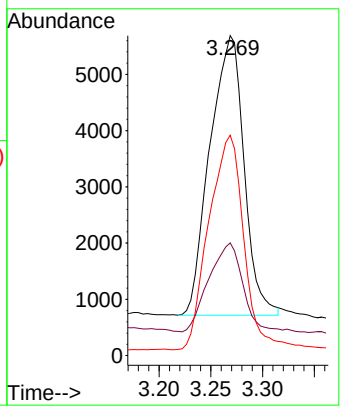
Instrument :
BNA_N
ClientSampleId :
SLCS742

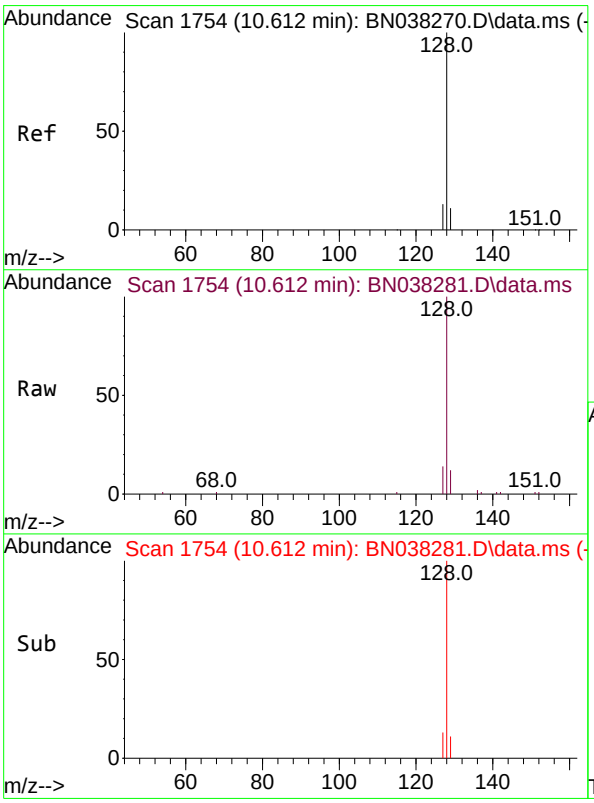


#2
1,4-Dioxane
Concen: 2.055 ng/ul
RT: 3.269 min Scan# 44
Delta R.T. 0.017 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion: 88 Resp: 11390

Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.5	41.3
58	68.9	50.5	75.7

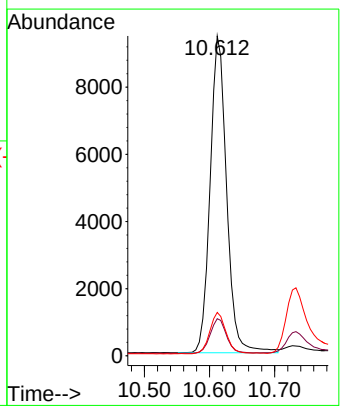




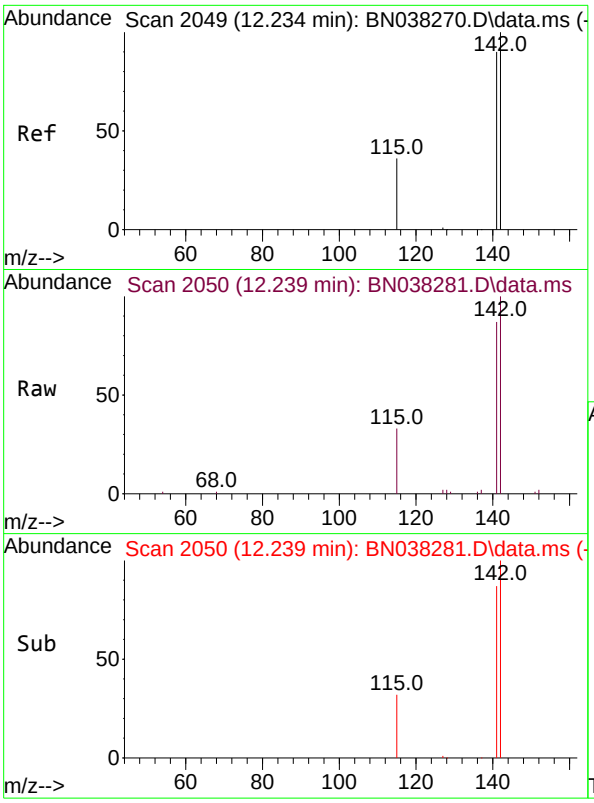
#5
Naphthalene
Concen: 0.449 ng/ul
RT: 10.612 min Scan# 1754
Delta R.T. -0.011 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:128 Resp: 16631

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.6	10.6	16.0



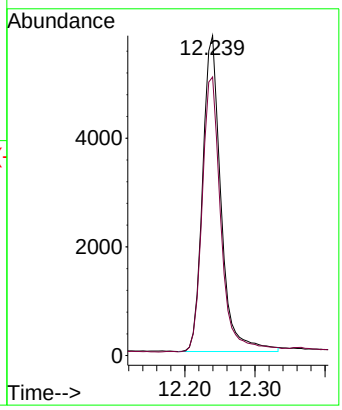
Instrument :
BNA_N
ClientSampleId :
SLCS742

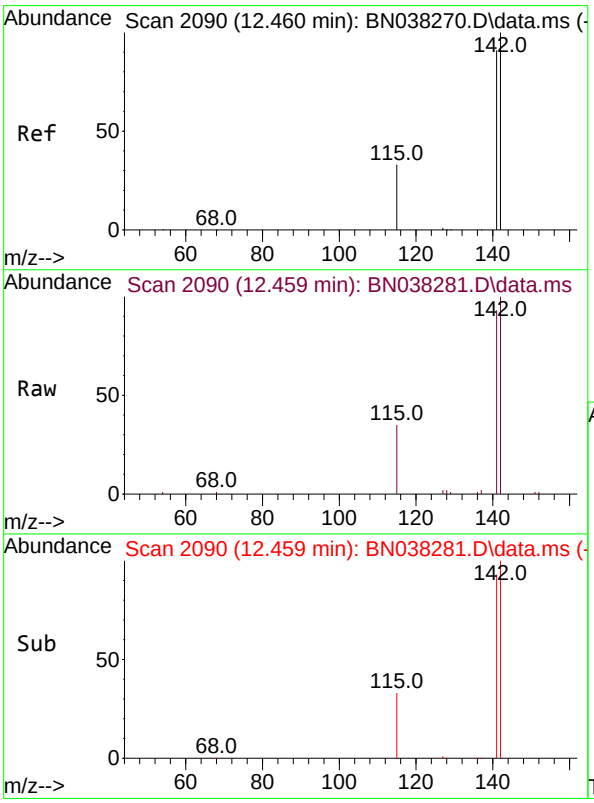


#7
2-Methylnaphthalene
Concen: 0.425 ng/ul
RT: 12.239 min Scan# 2050
Delta R.T. -0.005 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:142 Resp: 10517

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5

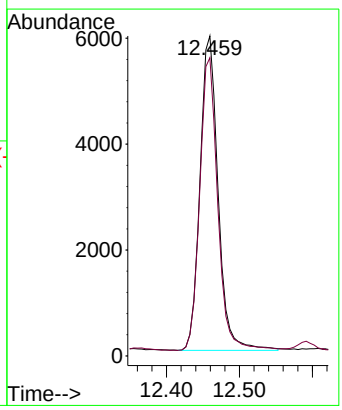




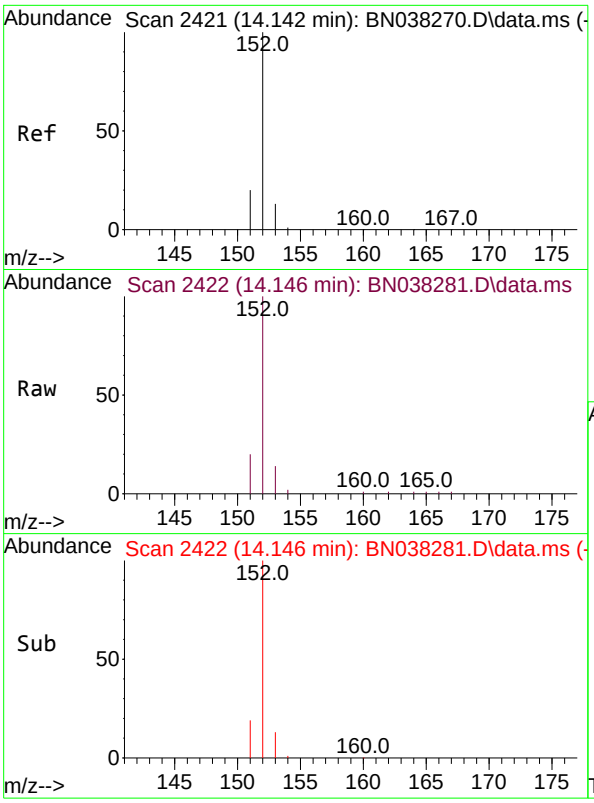
#8
1-Methylnaphthalene
Concen: 0.391 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:142 Resp: 10251

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.1	111.1



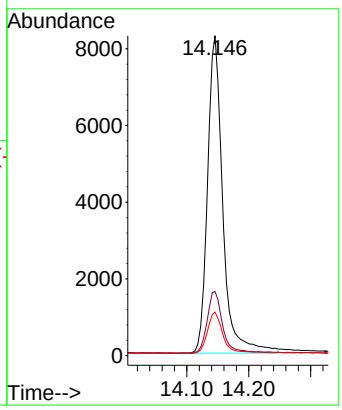
Instrument :
BNA_N
ClientSampleId :
SLCS742

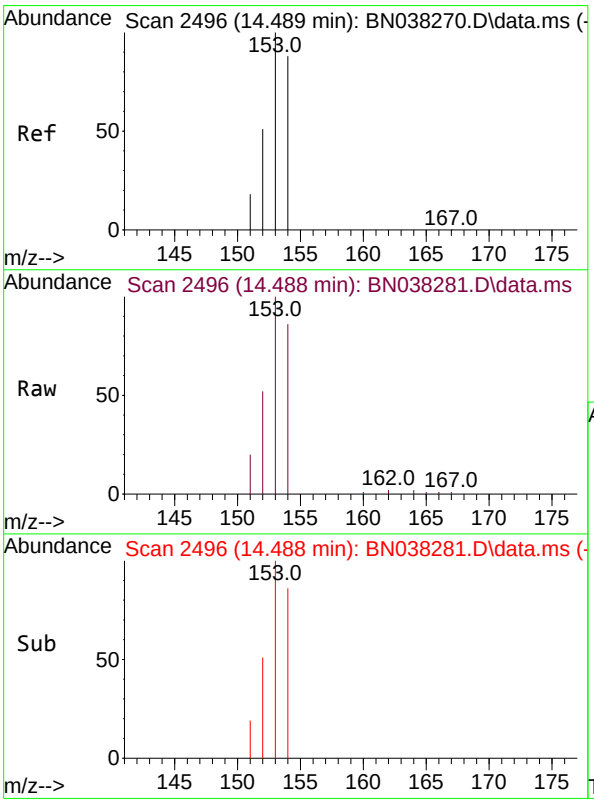


#10
Acenaphthylene
Concen: 0.452 ng/ul
RT: 14.146 min Scan# 2422
Delta R.T. -0.005 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:152 Resp: 14243

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.6	10.7	16.1

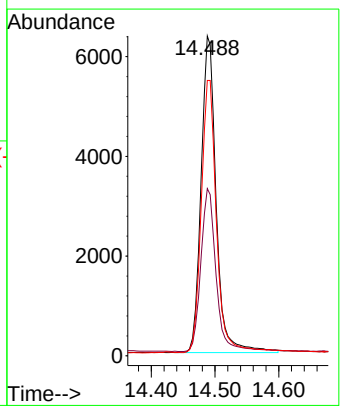




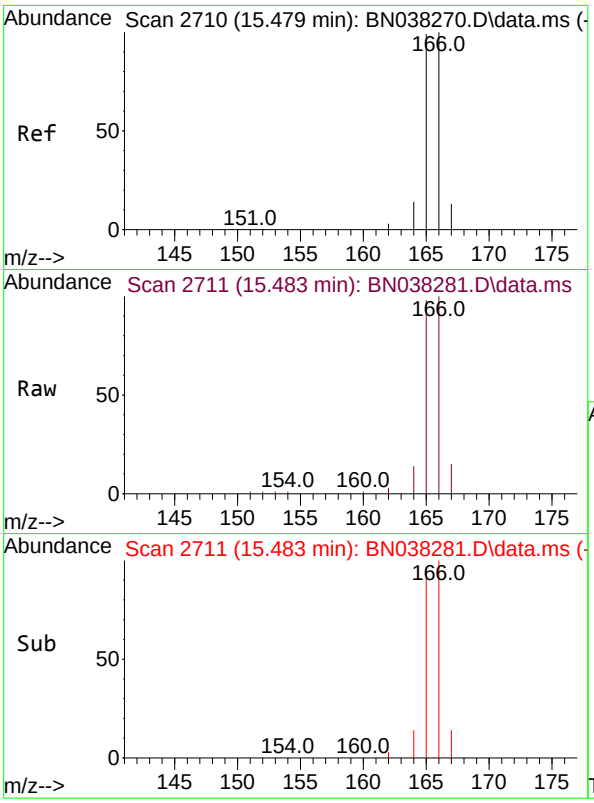
#11
Acenaphthene
Concen: 0.447 ng/ul
RT: 14.488 min Scan# 2496
Delta R.T. -0.010 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:153 Resp: 10446

Ion	Ratio	Lower	Upper
153	100		
152	52.3	41.4	62.0
154	86.1	69.7	104.5



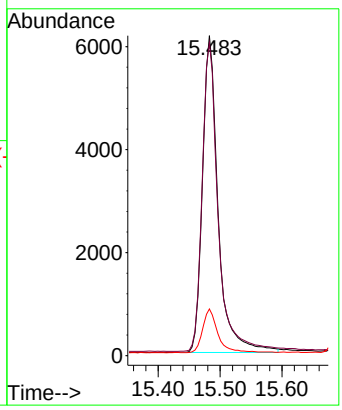
Instrument :
BNA_N
ClientSampleId :
SLCS742

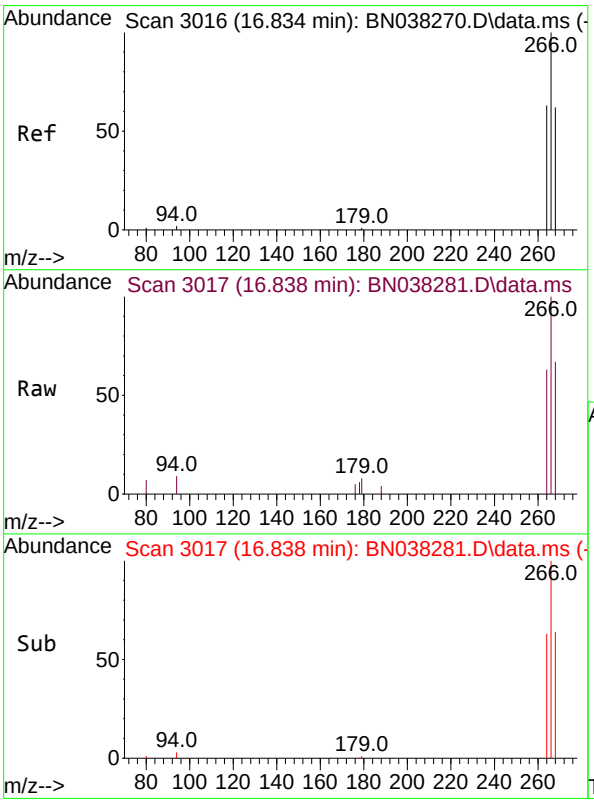


#12
Fluorene
Concen: 0.434 ng/ul
RT: 15.483 min Scan# 2711
Delta R.T. -0.005 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:166 Resp: 10882

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.1	117.1
167	14.6	11.0	16.4

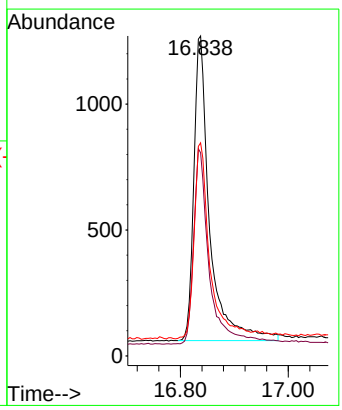




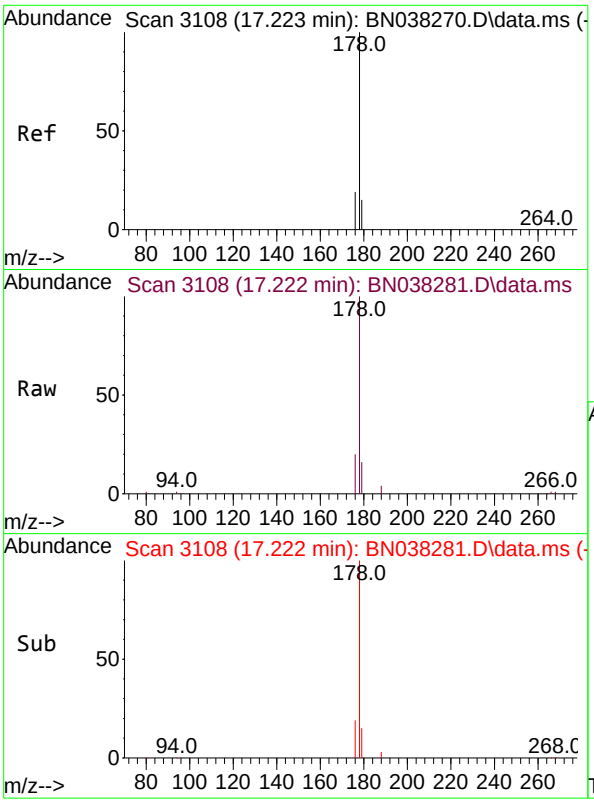
#14
Pentachlorophenol
Concen: 1.368 ng/ul
RT: 16.838 min Scan# 3017
Delta R.T. -0.009 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:266 Resp: 2461

Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.3	73.9
268	66.6	53.7	80.5



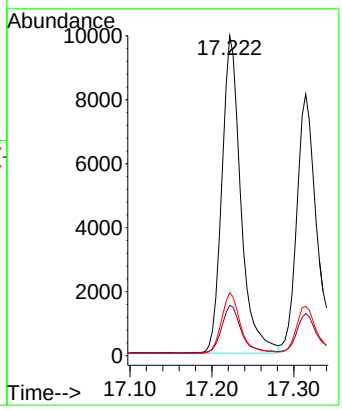
Instrument :
BNA_N
ClientSampleId :
SLCS742

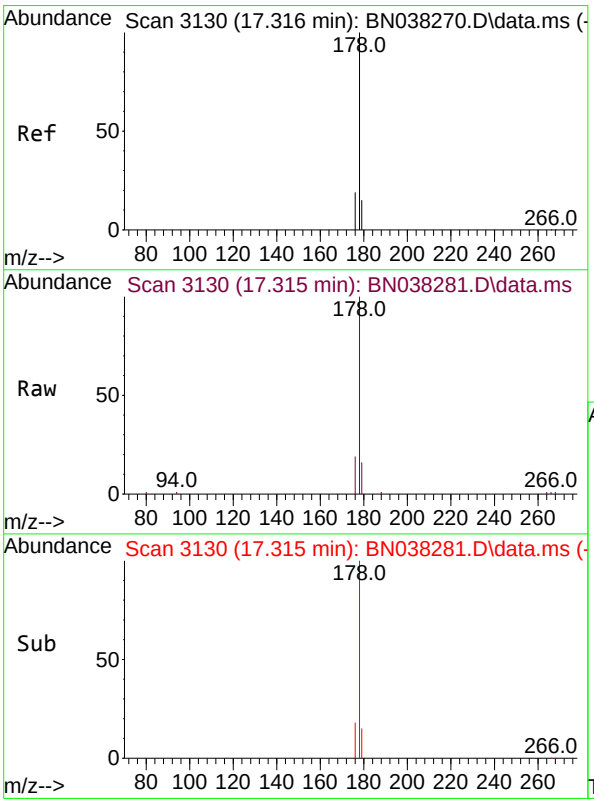


#15
Phenanthrene
Concen: 0.454 ng/ul
RT: 17.222 min Scan# 3108
Delta R.T. -0.009 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:178 Resp: 15958

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6
176	19.7	15.8	23.6

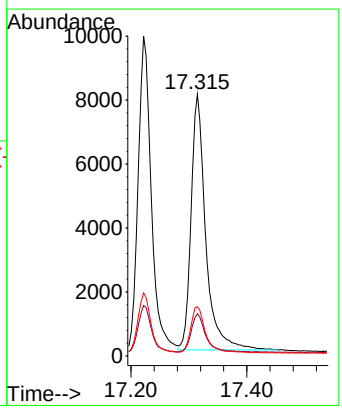




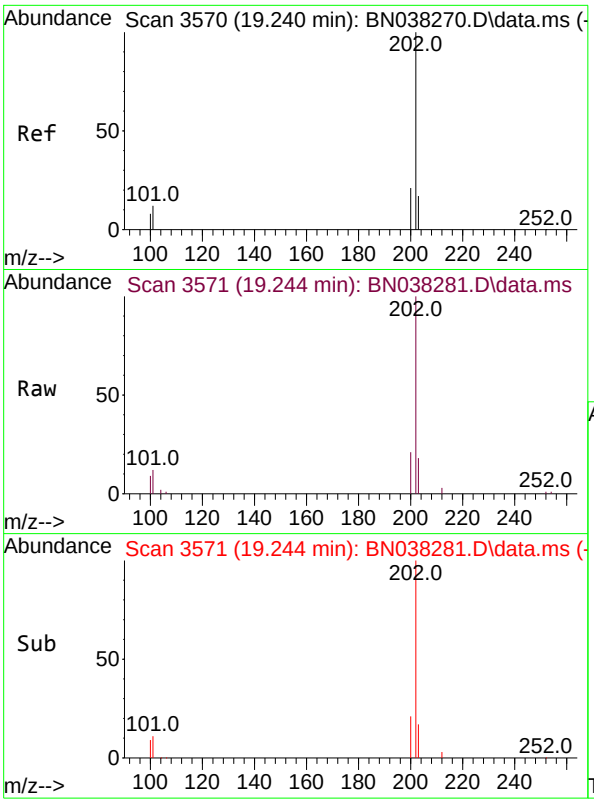
#16
Anthracene
Concen: 0.469 ng/ul
RT: 17.315 min Scan# 3130
Delta R.T. -0.009 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:178 Resp: 13996

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.8	19.2
176	18.8	15.4	23.2



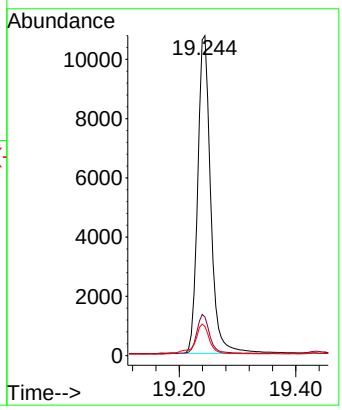
Instrument :
BNA_N
ClientSampleId :
SLCS742

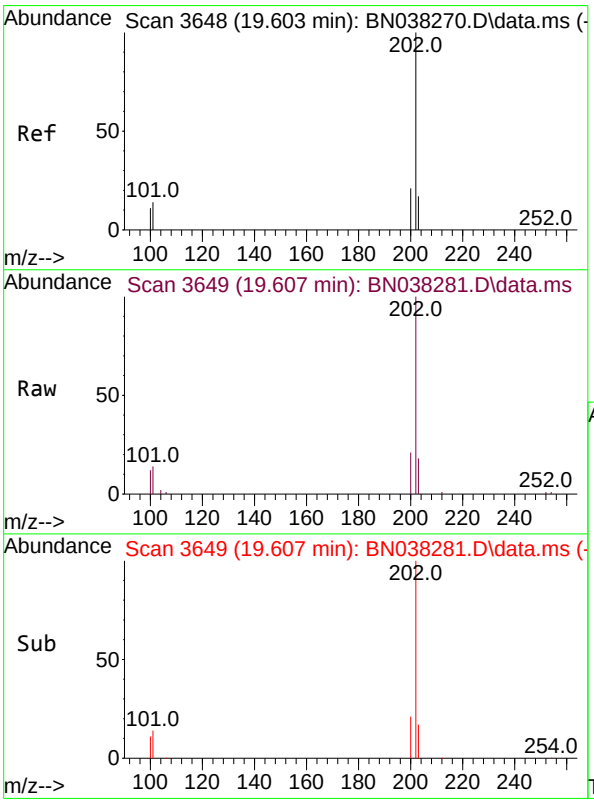


#19
Fluoranthene
Concen: 0.347 ng/ul
RT: 19.244 min Scan# 3571
Delta R.T. -0.005 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:202 Resp: 16544

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.3	13.9
100	9.1	7.2	10.8

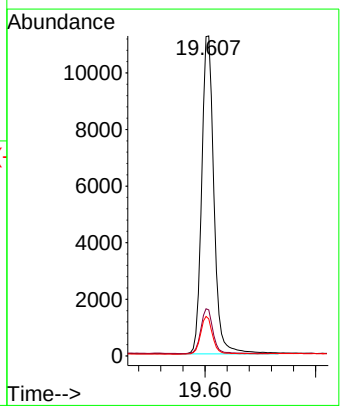




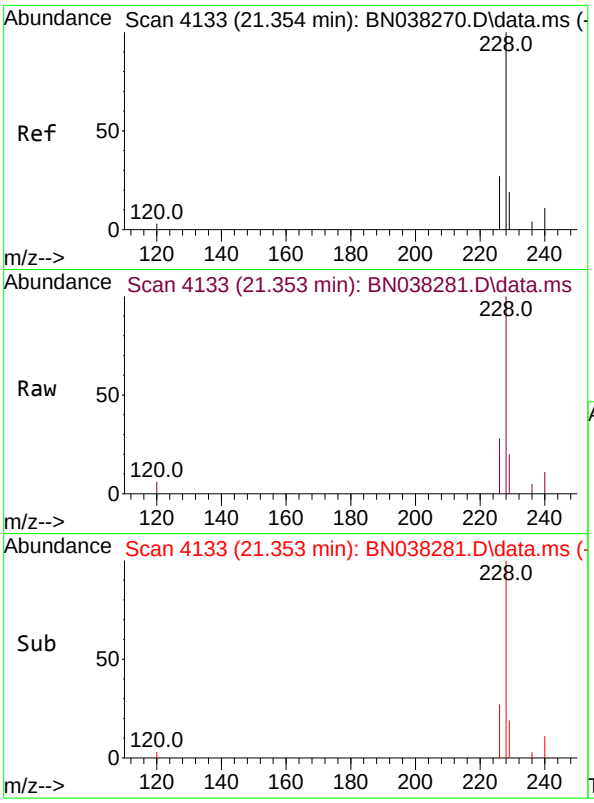
#20
Pyrene
Concen: 0.363 ng/ul
RT: 19.607 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:202 Resp: 17139

Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.6	16.0
100	11.6	8.5	12.7



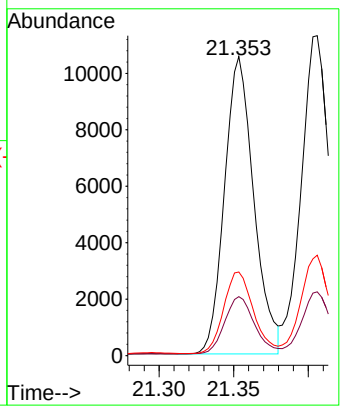
Instrument :
BNA_N
ClientSampleId :
SLCS742

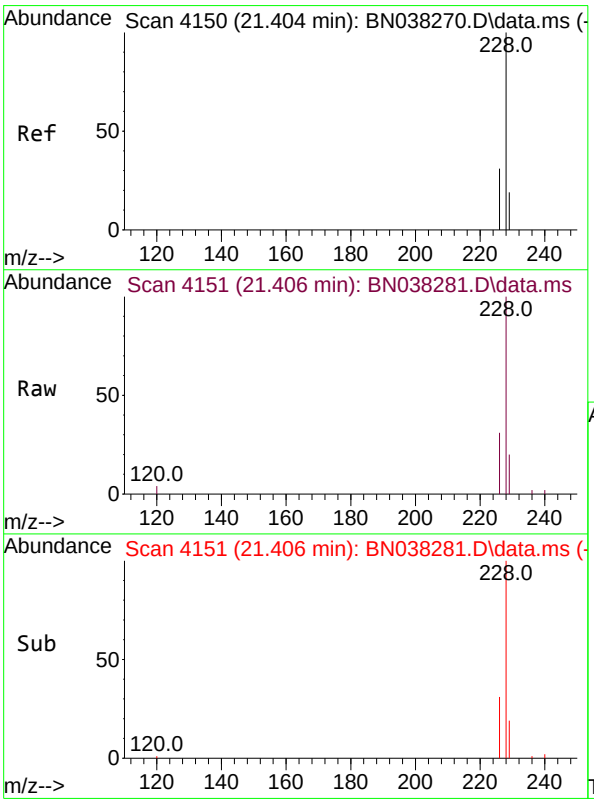


#21
Benzo(a)anthracene
Concen: 0.484 ng/ul
RT: 21.353 min Scan# 4133
Delta R.T. -0.004 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:228 Resp: 14419

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.6	23.4
226	27.9	22.4	33.6

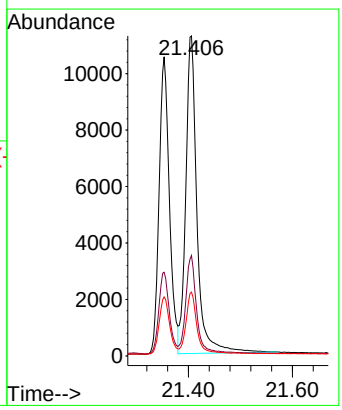


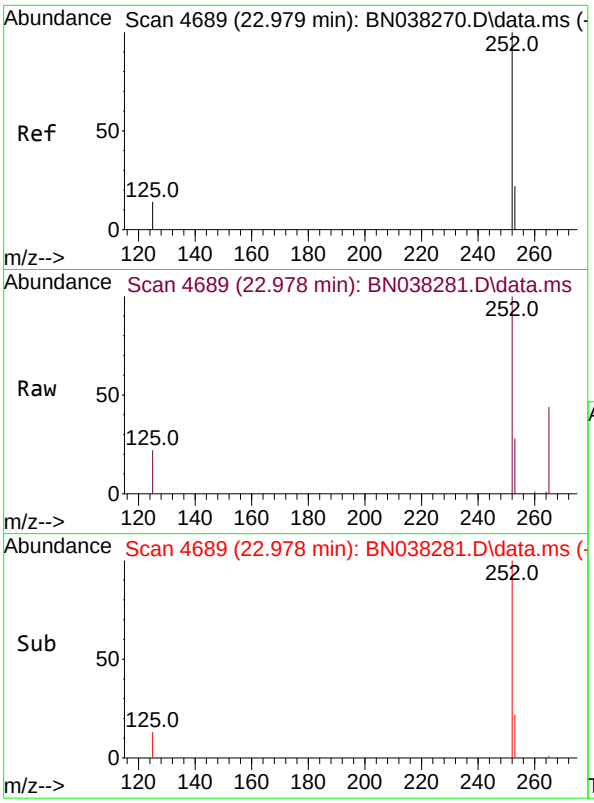


#22
Chrysene
Concen: 0.453 ng/ul
RT: 21.406 min Scan# 4151
Delta R.T. -0.004 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:228 Resp: 16752

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.4
229	19.9	15.4	23.0

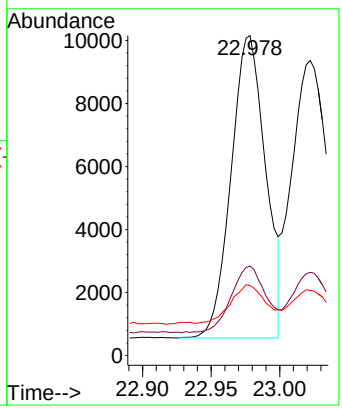




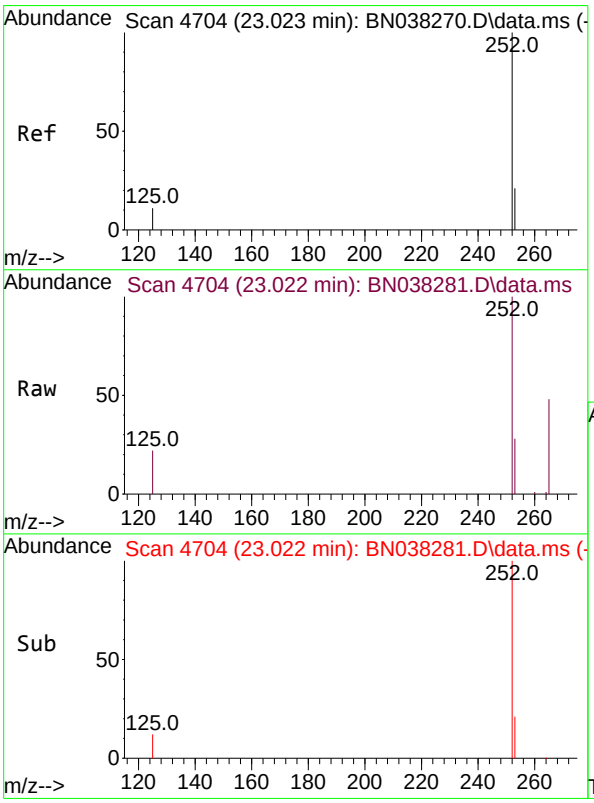
#24
Benzo(b)fluoranthene
Concen: 0.452 ng/ul
RT: 22.978 min Scan# 4689
Delta R.T. -0.004 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:252 Resp: 16781

Ion	Ratio	Lower	Upper
252	100		
253	28.0	0.0	55.8
125	21.9	0.0	45.6



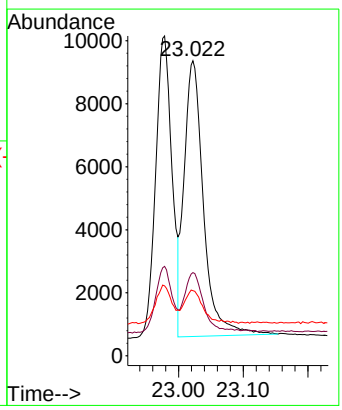
Instrument :
BNA_N
ClientSampleId :
SLCS742



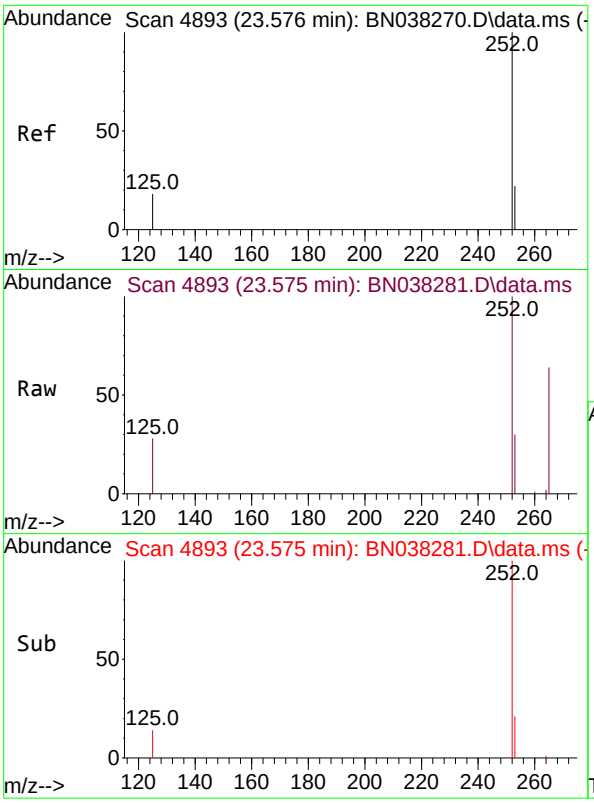
#25
Benzo(k)fluoranthene
Concen: 0.466 ng/ul
RT: 23.022 min Scan# 4704
Delta R.T. -0.007 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:252 Resp: 18229

Ion	Ratio	Lower	Upper
252	100		
253	28.2	22.9	34.3
125	22.1	17.7	26.5



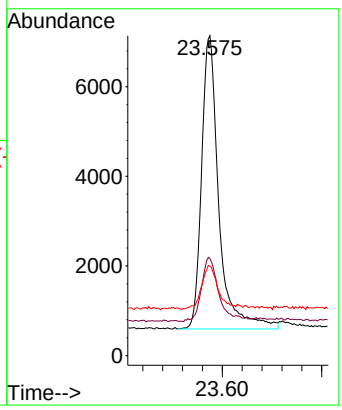
Instrument :
BNA_N
ClientSampleId :
SLCS742

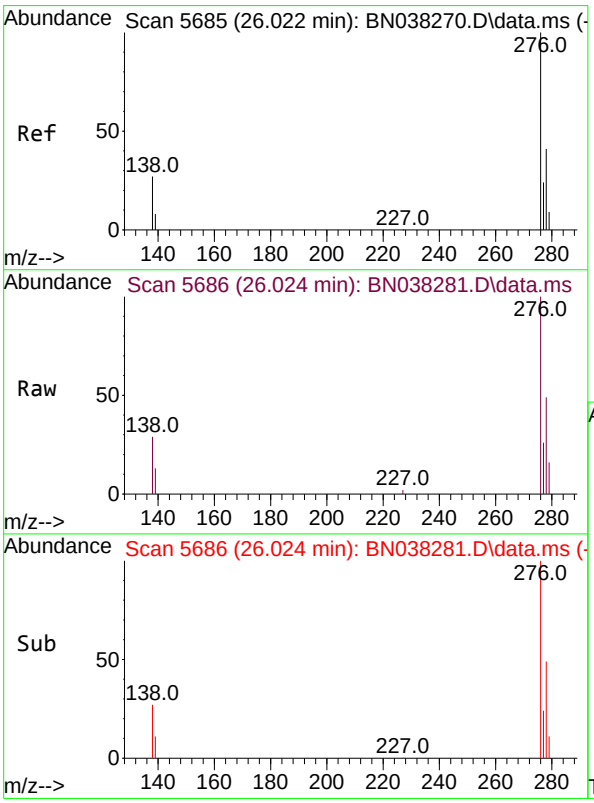


#26
Benzo(a)pyrene
Concen: 0.470 ng/ul
RT: 23.575 min Scan# 4893
Delta R.T. -0.007 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:252 Resp: 15754

Ion	Ratio	Lower	Upper
252	100		
253	30.3	25.9	38.9
125	27.9	24.6	37.0

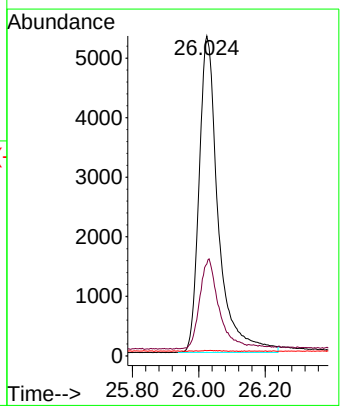




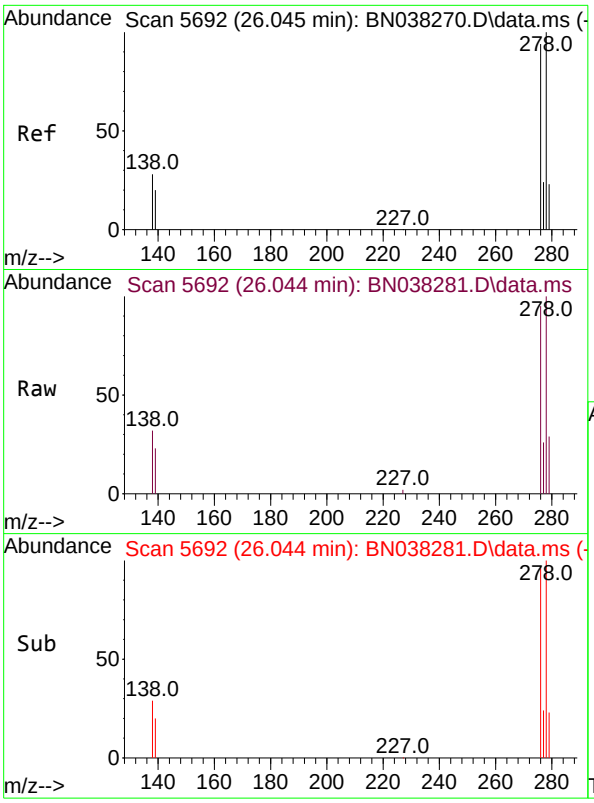
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.533 ng/ul
RT: 26.024 min Scan# 5686
Delta R.T. -0.014 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:276 Resp: 21290

Ion	Ratio	Lower	Upper
276	100		
138	29.2	22.9	34.3
227	0.2	0.0	0.0#



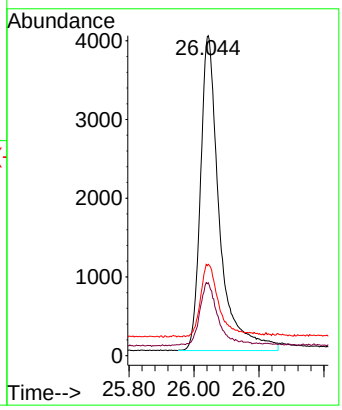
Instrument :
BNA_N
ClientSampleId :
SLCS742

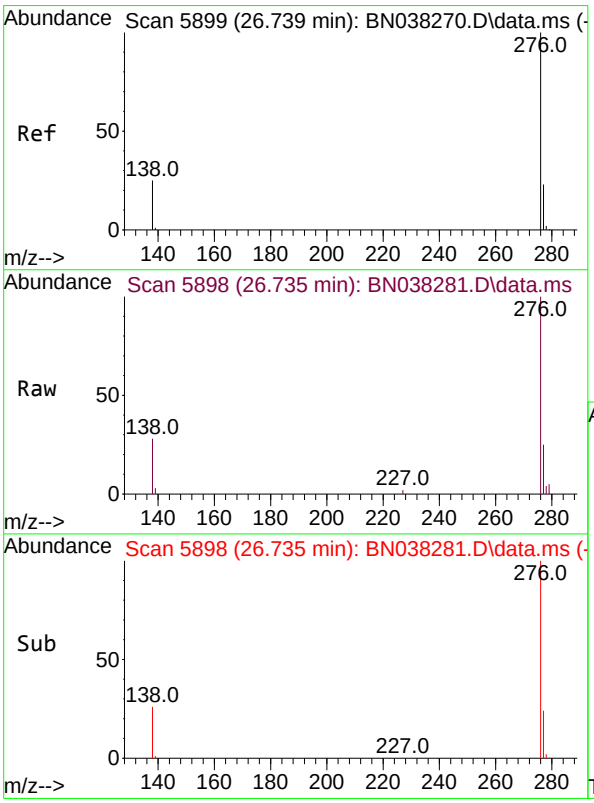


#28
Dibenzo(a,h)anthracene
Concen: 0.577 ng/ul
RT: 26.044 min Scan# 5692
Delta R.T. -0.011 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:278 Resp: 16157

Ion	Ratio	Lower	Upper
278	100		
139	22.8	18.1	27.1
279	28.5	25.0	37.4

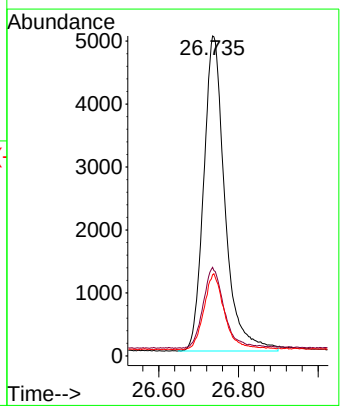




#29
Benzo(g,h,i)perylene
Concen: 0.493 ng/ul
RT: 26.735 min Scan# 5898
Delta R.T. -0.018 min
Lab File: BN038281.D
Acq: 05 Dec 2025 18:44

Tgt Ion:276 Resp: 18507

Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.6	32.4
277	25.4	19.8	29.6



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038281.D
Acq On : 05 Dec 2025 18:44
Operator : RC/JU
Sample : PB170742BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SLCS742

Quant Time: Dec 05 22:30:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	4904	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	13626	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	6701	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	11217	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	8913	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	9478	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.239	96	4271	0.830	ng/ul	0.02
6) 2-Methylnaphthalene-d10	12.162	152	7396	0.381	ng/ul	-0.01
18) Fluoranthene-d10	19.212	212	10566	0.305	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.269	88	11390	2.055	ng/ul	95
5) Naphthalene	10.612	128	16631	0.449	ng/ul	99
7) 2-Methylnaphthalene	12.239	142	10517	0.425	ng/ul	99
8) 1-Methylnaphthalene	12.459	142	10251	0.391	ng/ul	100
10) Acenaphthylene	14.146	152	14243	0.452	ng/ul	100
11) Acenaphthene	14.488	153	10446	0.447	ng/ul	99
12) Fluorene	15.483	166	10882	0.434	ng/ul	100
14) Pentachlorophenol	16.838	266	2461	1.368	ng/ul	98
15) Phenanthrene	17.222	178	15958	0.454	ng/ul	100
16) Anthracene	17.315	178	13996	0.469	ng/ul	99
19) Fluoranthene	19.244	202	16544	0.347	ng/ul	99
20) Pyrene	19.607	202	17139	0.363	ng/ul	97
21) Benzo(a)anthracene	21.353	228	14419	0.484	ng/ul	100
22) Chrysene	21.406	228	16752	0.453	ng/ul	99
24) Benzo(b)fluoranthene	22.978	252	16781	0.452	ng/ul	99
25) Benzo(k)fluoranthene	23.022	252	18229	0.466	ng/ul	100
26) Benzo(a)pyrene	23.575	252	15754	0.470	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.024	276	21290	0.533	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.044	278	16157	0.577	ng/ul	97
29) Benzo(g,h,i)perylene	26.735	276	18507	0.493	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
SLCS724

Lab Name : Alliance Technical Group, LLC
Contract : 68HERH20D0011
Lab Code: ACE Case No.: Sharkey Land
MA No. : SDG No.: Q3688
Analytical Method : SVOA SIM
Level :
Matrix : Water
Lab Sample ID : PB170724BS
Sample wt/vol : 1000 (g/mL) mL
Lab File ID : BN038283.D
% Solids :
Date Received :
GC Column : ZB-GR ID : 0.25 (mm)
Date Extracted : 11/24/2025
GC Column : ID : (mm)
Date Analyzed : 12/05/2025
Extract Concentrated :(Y/N) N
Extract Volume : 1000 (µL)
Soil Aliquot (VOA) : (µL)
Extraction Type : CONH
Heated Purge : (Y/N)
Injection Volume : 1.0 (µL)
Purge Volume : (mL)
pH : Dilution Factor : 1.0
Cleanup Types :
Cleanup Factor : 1.0
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

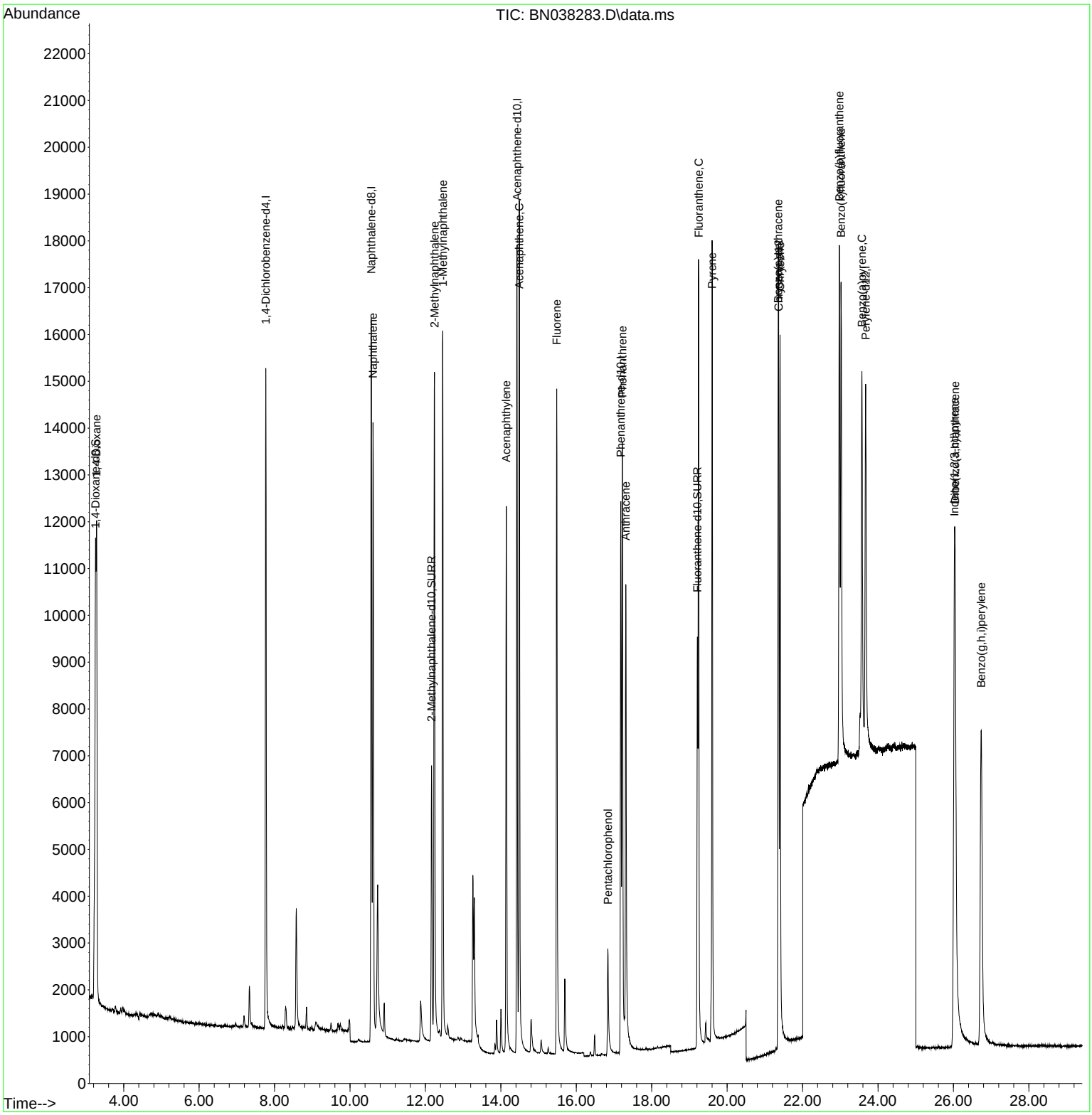
CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	1.5	

Quantitation Report (QT Reviewed)

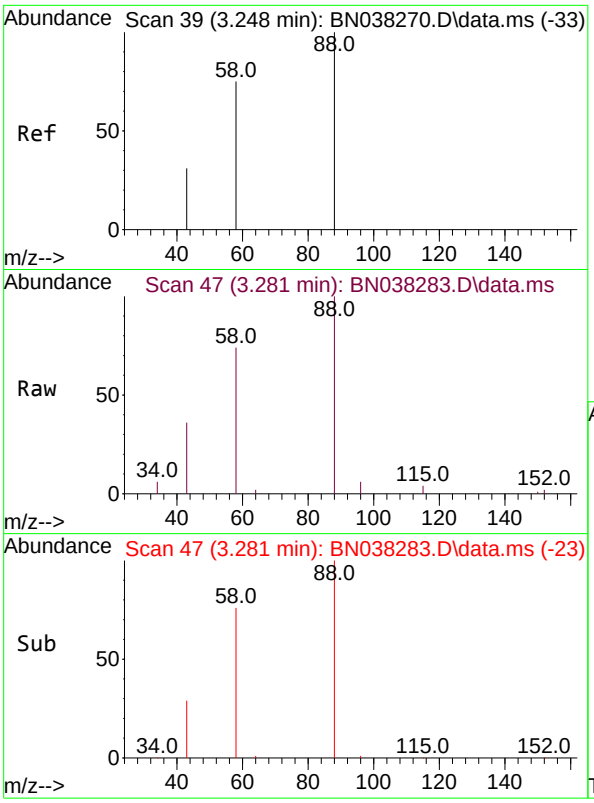
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038283.D
Acq On : 05 Dec 2025 19:57
Operator : RC/JU
Sample : PB170724BS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SLCS724

Quant Time: Dec 05 22:35:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration



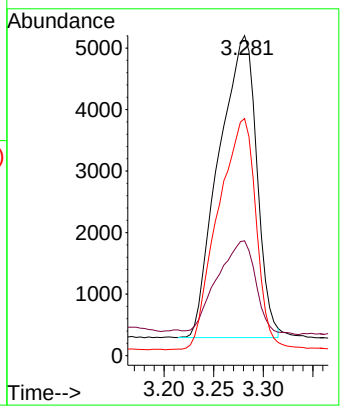
Instrument :
BNA_N
ClientSampleId :
SLCS724

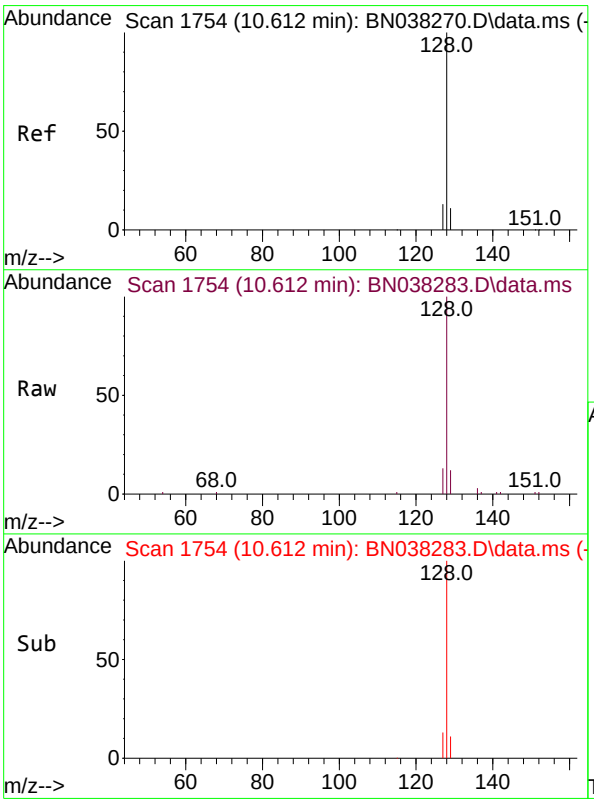


#2
1,4-Dioxane
Concen: 1.501 ng/ul
RT: 3.281 min Scan# 47
Delta R.T. 0.029 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion: 88 Resp: 13016

Ion	Ratio	Lower	Upper
88	100		
43	35.9	27.5	41.3
58	74.1	50.5	75.7

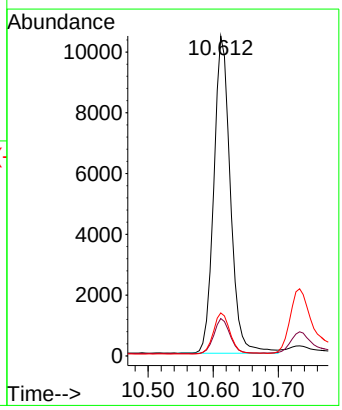


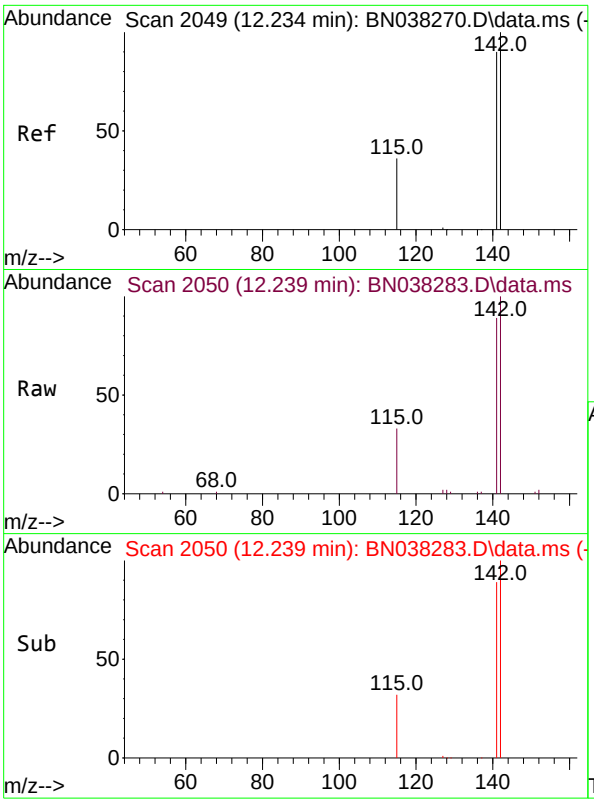


#5
Naphthalene
Concen: 0.312 ng/ul
RT: 10.612 min Scan# 1754
Delta R.T. -0.011 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:128 Resp: 18500

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	13.4	10.6	16.0

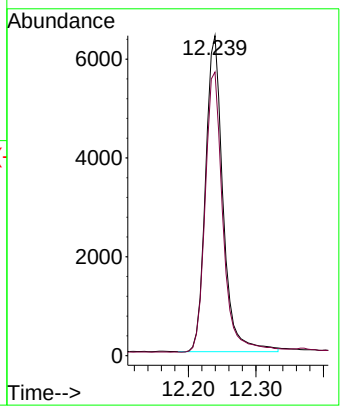




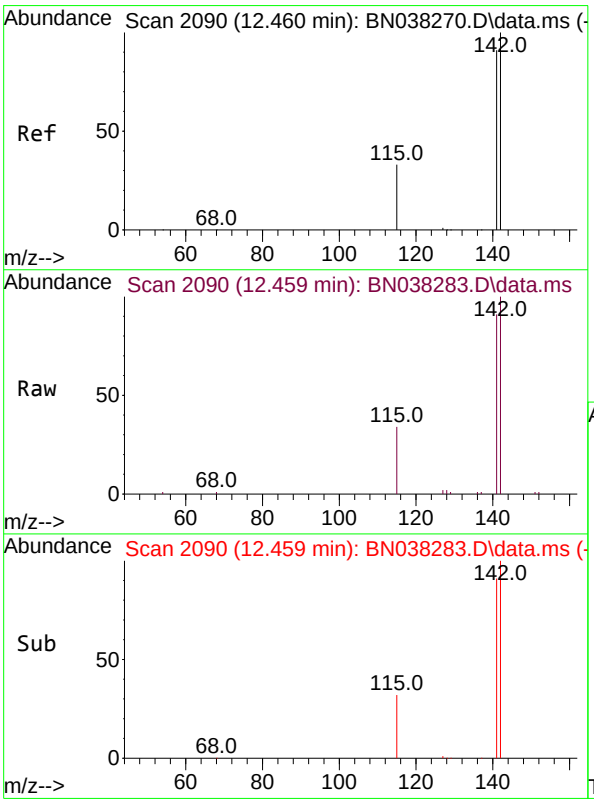
#7
2-Methylnaphthalene
Concen: 0.291 ng/ul
RT: 12.239 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:142 Resp: 11515

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.7	107.5



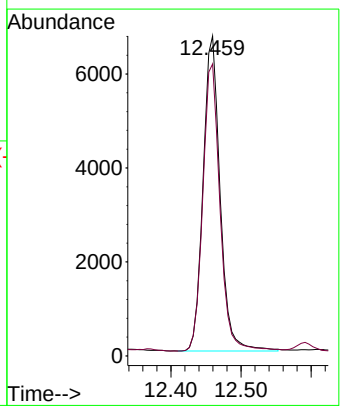
Instrument :
BNA_N
ClientSampleId :
SLCS724



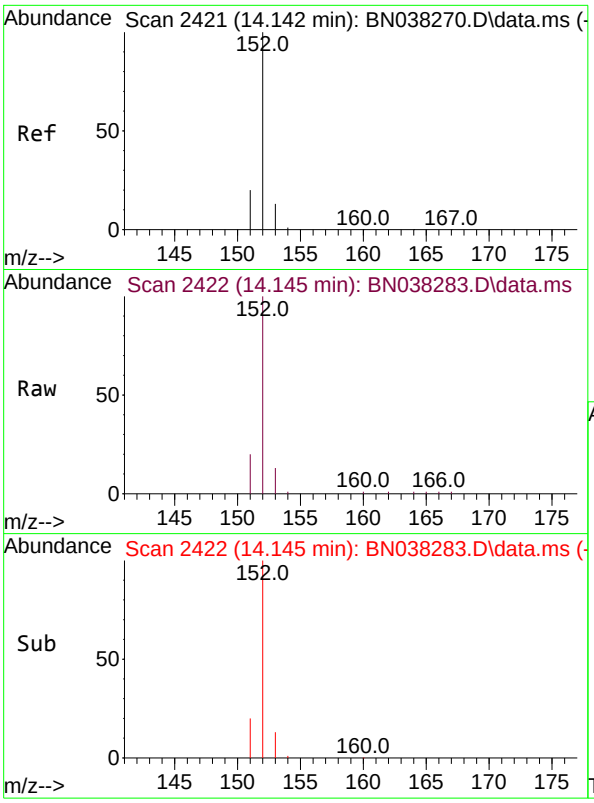
#8
1-Methylnaphthalene
Concen: 0.267 ng/ul
RT: 12.459 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:142 Resp: 11243

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.1	111.1



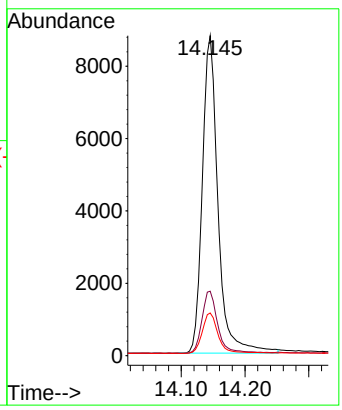
Instrument :
BNA_N
ClientSampleId :
SLCS724

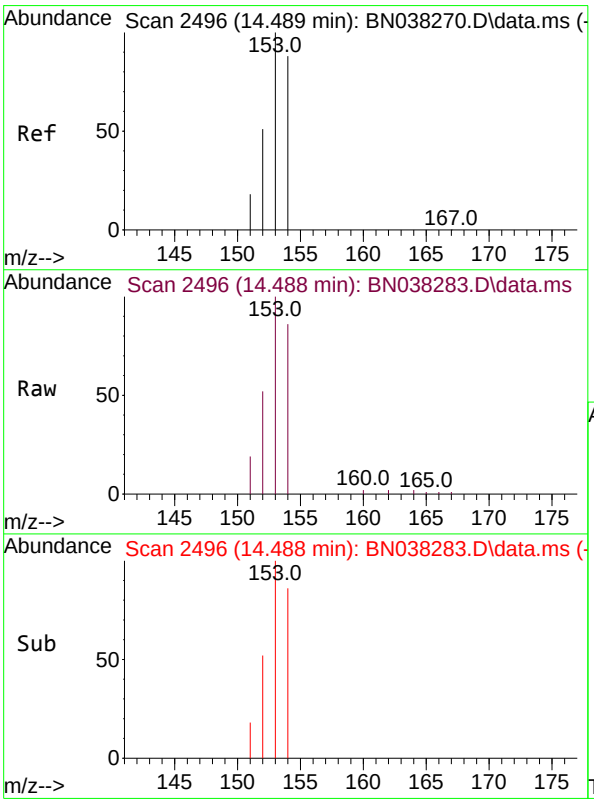


#10
Acenaphthylene
Concen: 0.310 ng/ul
RT: 14.145 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:152 Resp: 14989

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.3	10.7	16.1

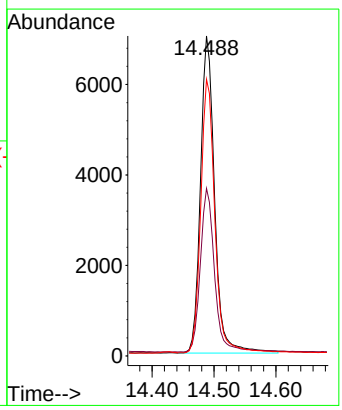




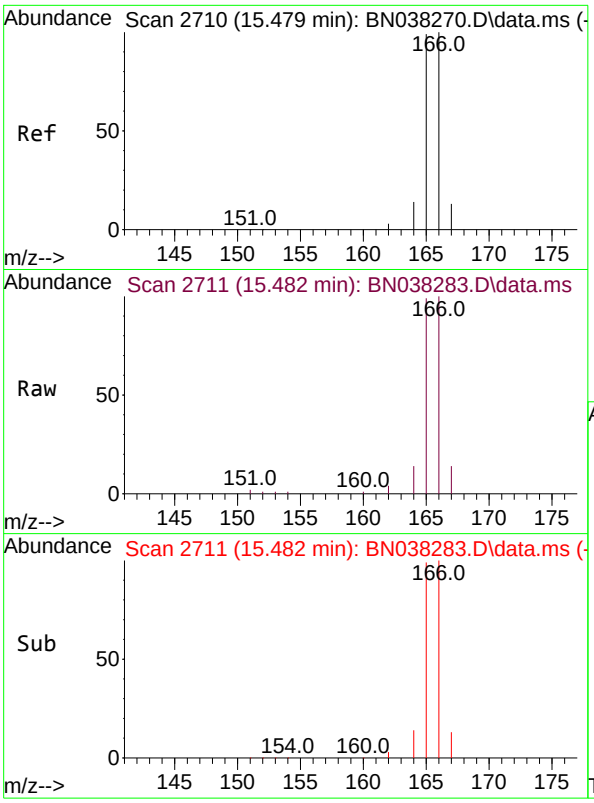
#11
Acenaphthene
Concen: 0.310 ng/ul
RT: 14.488 min Scan# 2496
Delta R.T. -0.010 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:153 Resp: 11122

Ion	Ratio	Lower	Upper
153	100		
152	52.3	41.4	62.0
154	86.4	69.7	104.5



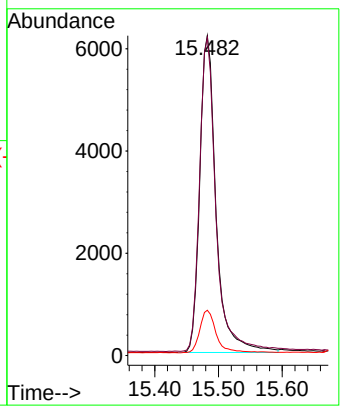
Instrument :
BNA_N
ClientSampleId :
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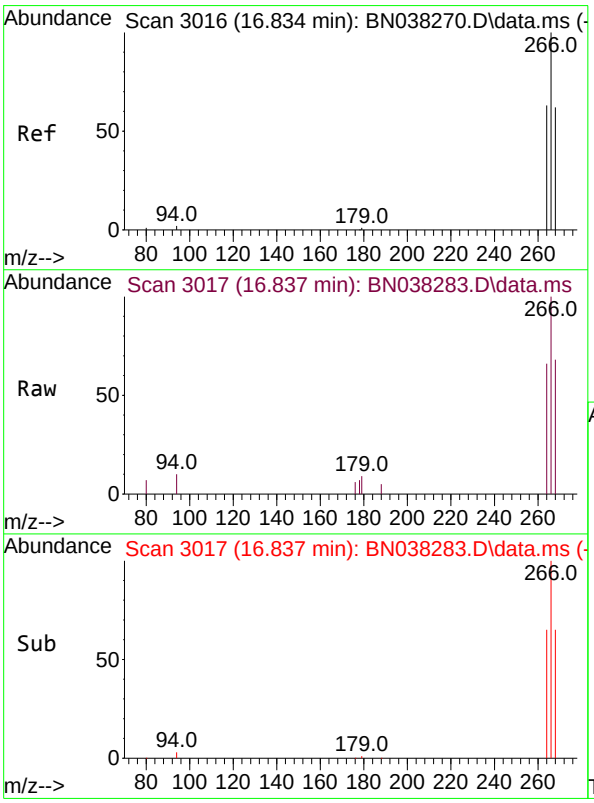


#12
Fluorene
Concen: 0.288 ng/ul
RT: 15.482 min Scan# 2711
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:166 Resp: 11066

Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.1	117.1
167	14.2	11.0	16.4

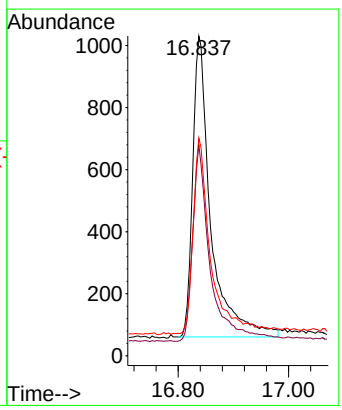




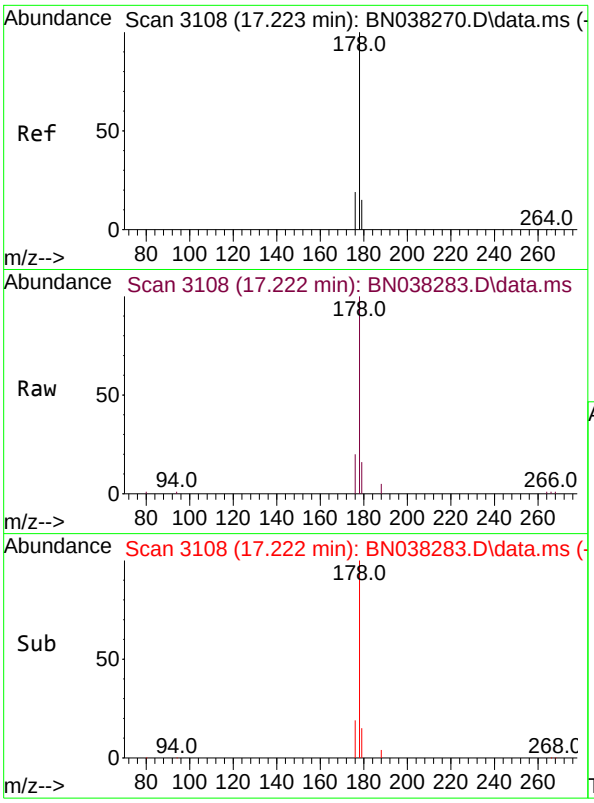
#14
Pentachlorophenol
Concen: 0.873 ng/ul
RT: 16.837 min Scan# 3017
Delta R.T. -0.009 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:266 Resp: 2210

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.3	73.9
268	63.8	53.7	80.5



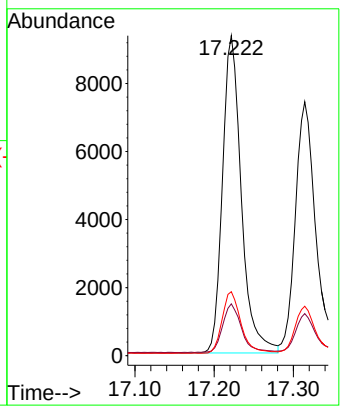
Instrument :
BNA_N
ClientSampleId :
SLCS724

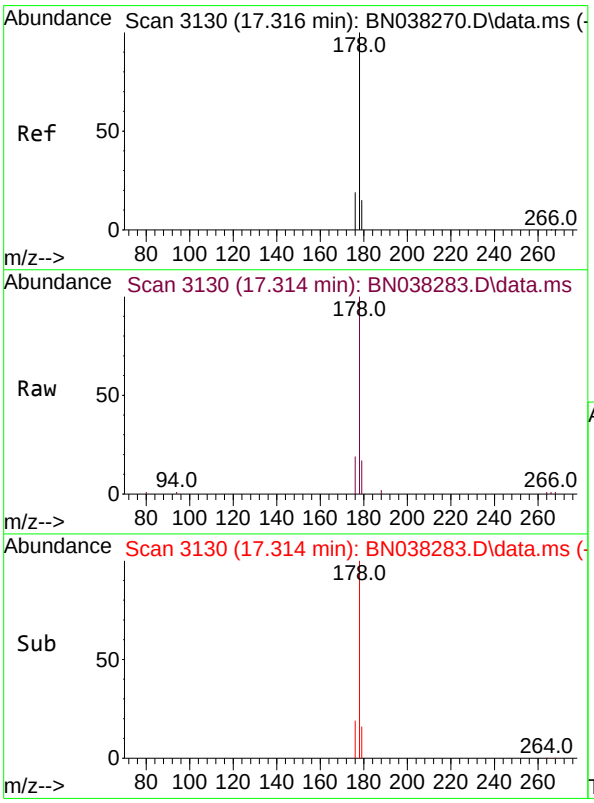


#15
Phenanthrene
Concen: 0.312 ng/ul
RT: 17.222 min Scan# 3108
Delta R.T. -0.009 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:178 Resp: 15432

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.4	18.6
176	20.0	15.8	23.6

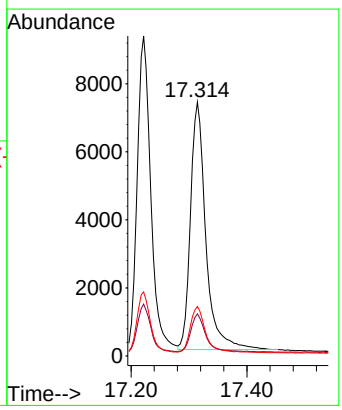


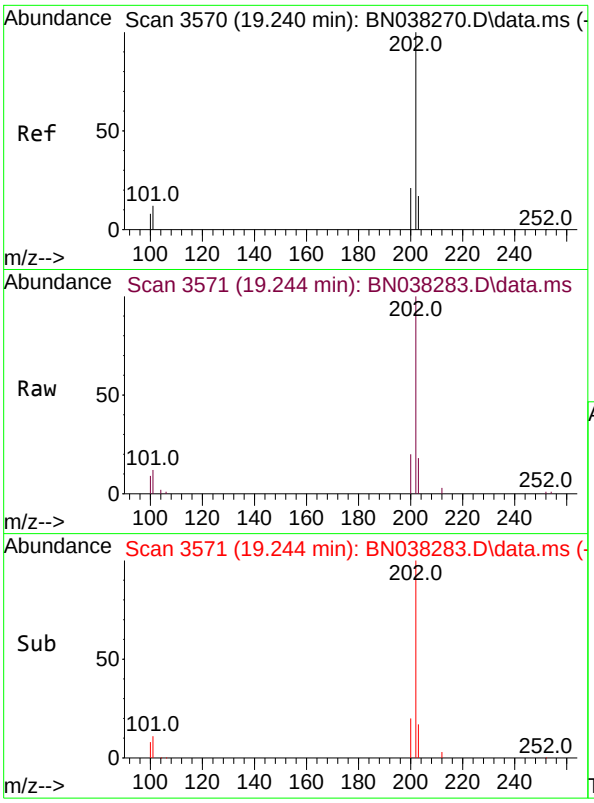


#16
Anthracene
Concen: 0.319 ng/ul
RT: 17.314 min Scan# 3130
Delta R.T. -0.009 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:178 Resp: 13404

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.8	19.2
176	19.4	15.4	23.2

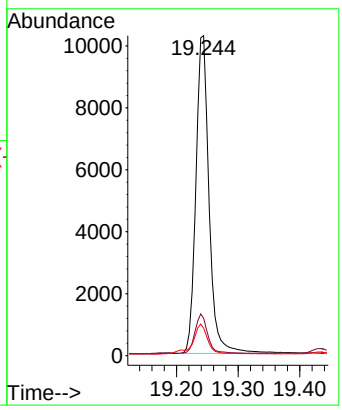


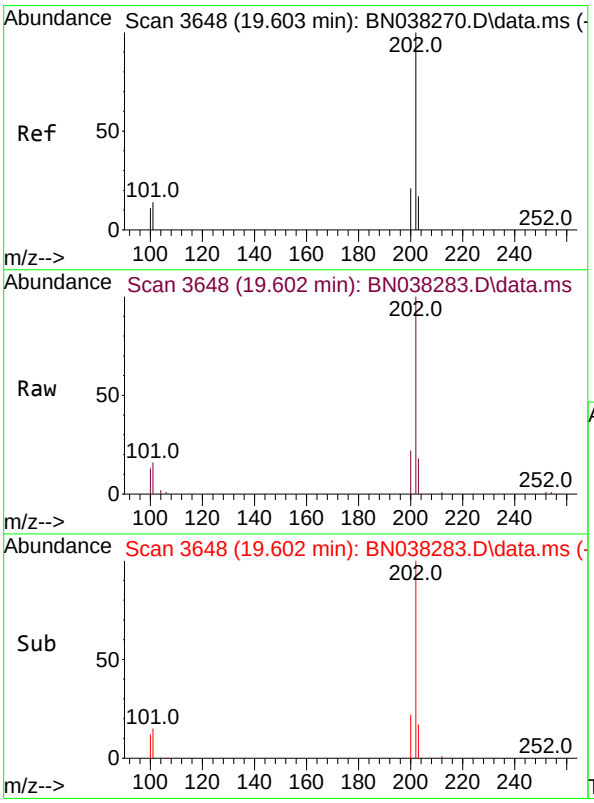


#19
Fluoranthene
Concen: 0.251 ng/ul
RT: 19.244 min Scan# 3571
Delta R.T. -0.006 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:202 Resp: 15234

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
100	8.6	7.2	10.8

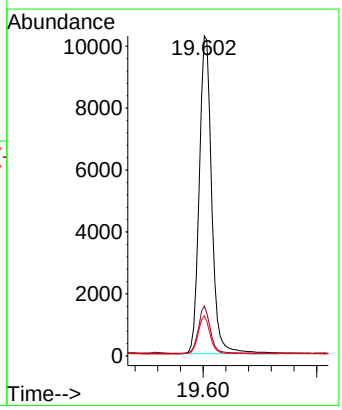




#20
Pyrene
Concen: 0.259 ng/ul
RT: 19.602 min Scan# 3648
Delta R.T. -0.010 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

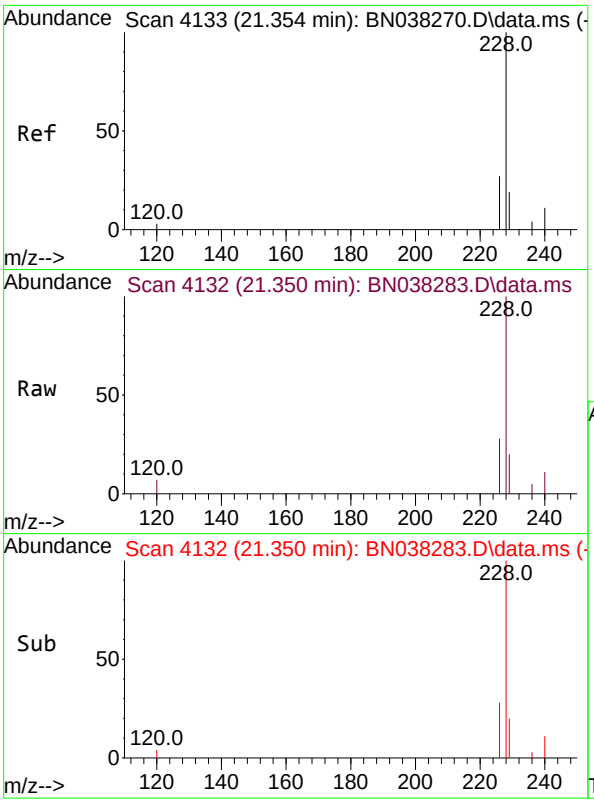
Tgt Ion:202 Resp: 15604

Ion	Ratio	Lower	Upper
202	100		
101	15.6	10.6	16.0
100	12.6	8.5	12.7



Instrument :
BNA_N
ClientSampleId :
SLCS724

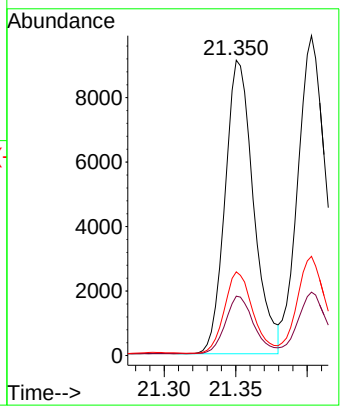
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BNA_N
ClientSampleId :
SLCS724

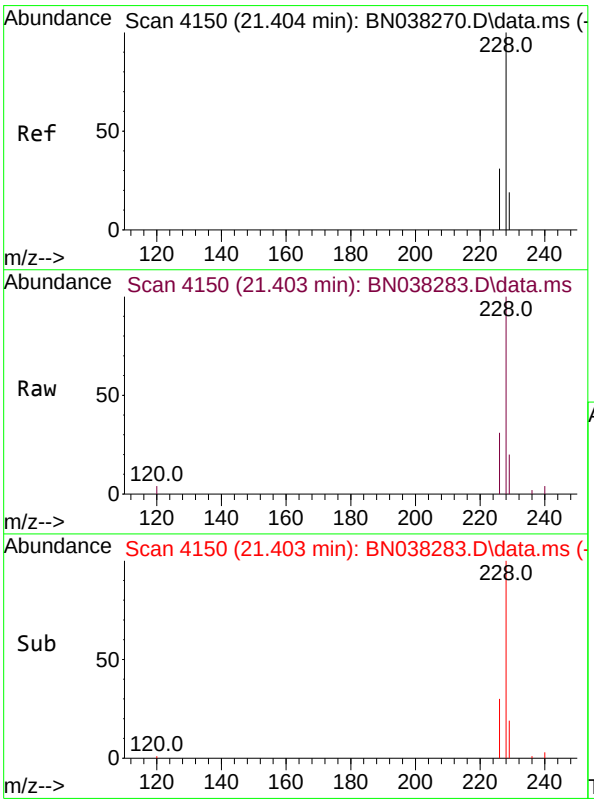


#21
Benzo(a)anthracene
Concen: 0.332 ng/ul
RT: 21.350 min Scan# 4132
Delta R.T. -0.007 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:228 Resp: 12618

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.6	23.4
226	28.4	22.4	33.6

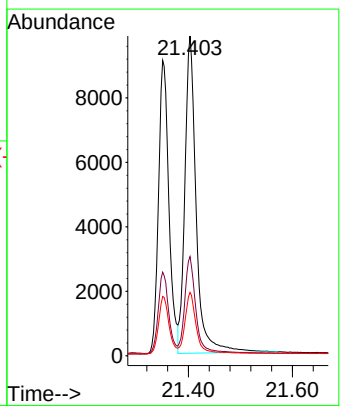




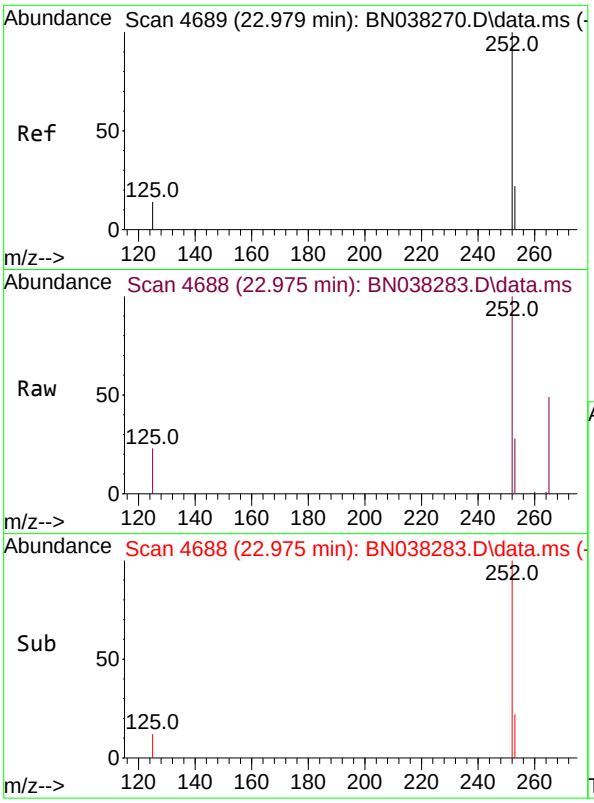
#22
Chrysene
Concen: 0.315 ng/ul
RT: 21.403 min Scan# 4150
Delta R.T. -0.007 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:228 Resp: 14855

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.4
229	19.8	15.4	23.0



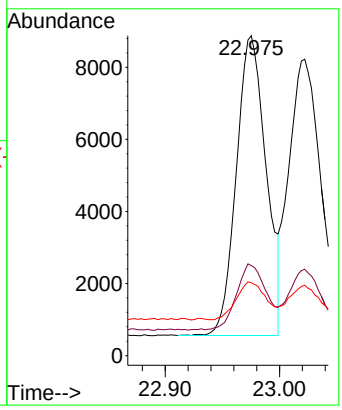
Instrument :
BNA_N
ClientSampleId :
SLCS724

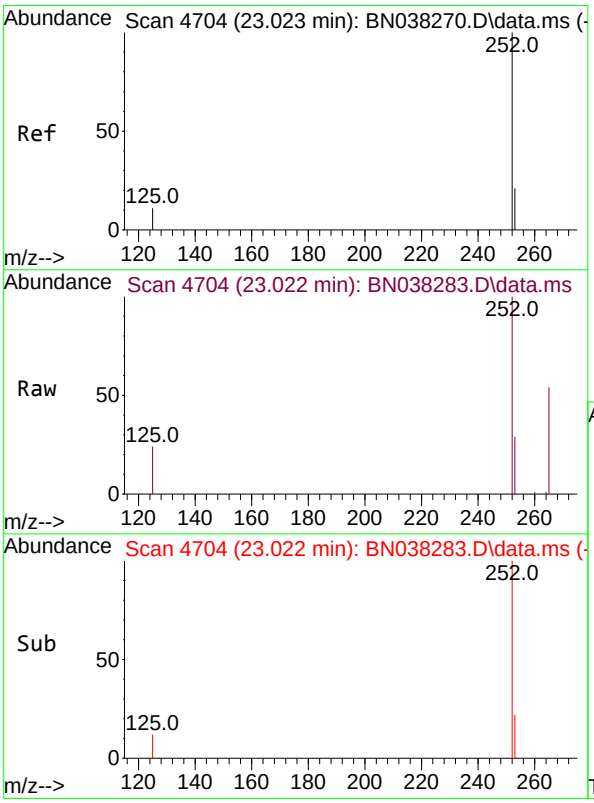


#24
Benzo(b)fluoranthene
Concen: 0.315 ng/ul
RT: 22.975 min Scan# 4688
Delta R.T. -0.007 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:252 Resp: 15096

Ion	Ratio	Lower	Upper
252	100		
253	28.1	0.0	55.8
125	22.8	0.0	45.6

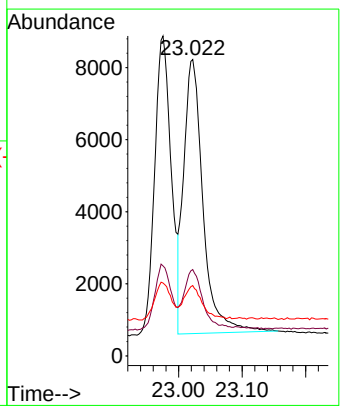




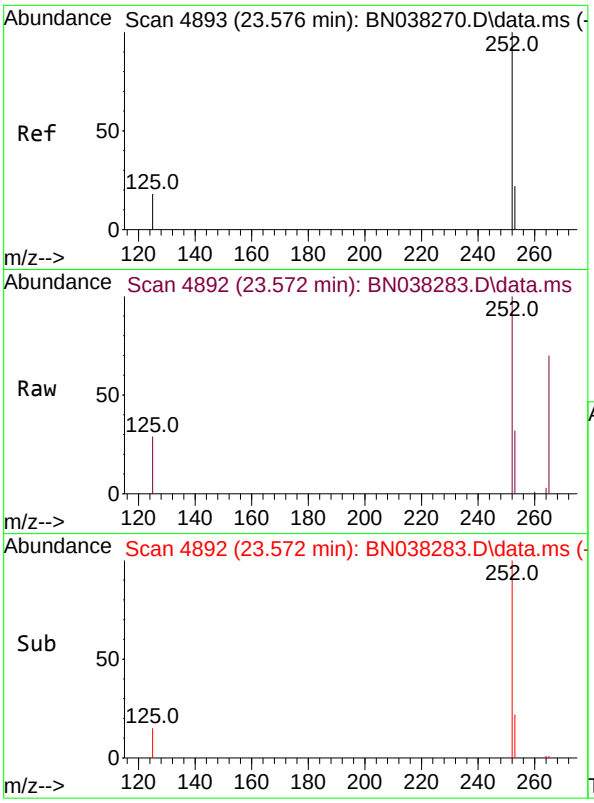
#25
Benzo(k)fluoranthene
Concen: 0.319 ng/ul
RT: 23.022 min Scan# 4704
Delta R.T. -0.007 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:252 Resp: 16089

Ion	Ratio	Lower	Upper
252	100		
253	29.1	22.9	34.3
125	23.8	17.7	26.5



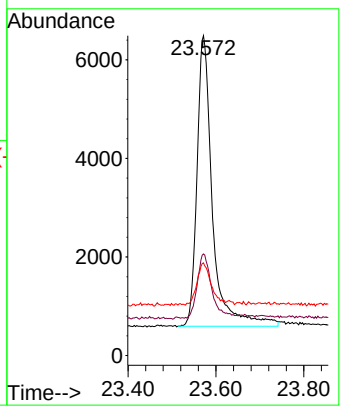
Instrument :
BNA_N
ClientSampleId :
SLCS724

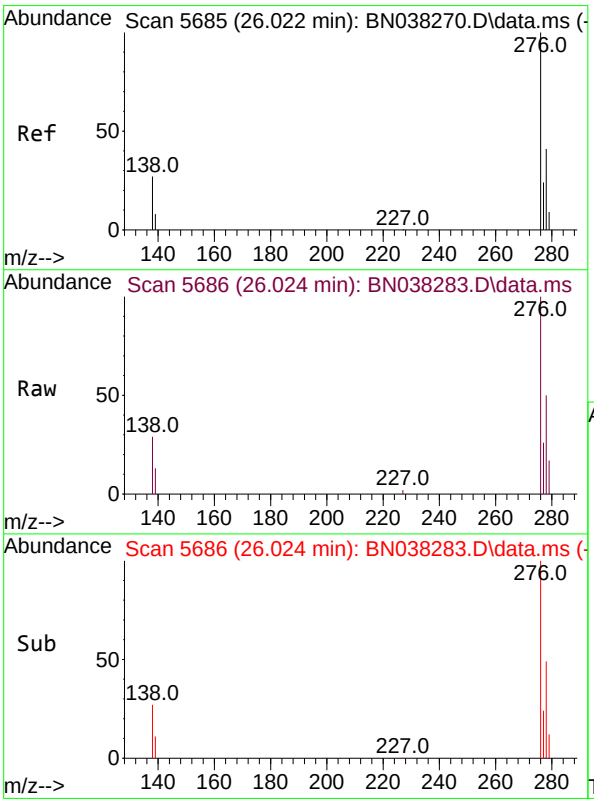


#26
Benzo(a)pyrene
Concen: 0.330 ng/ul
RT: 23.572 min Scan# 4892
Delta R.T. -0.010 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:252 Resp: 14286

Ion	Ratio	Lower	Upper
252	100		
253	31.8	25.9	38.9
125	29.0	24.6	37.0

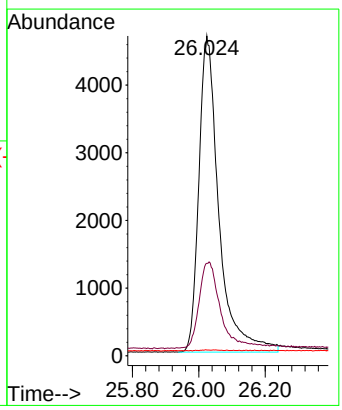


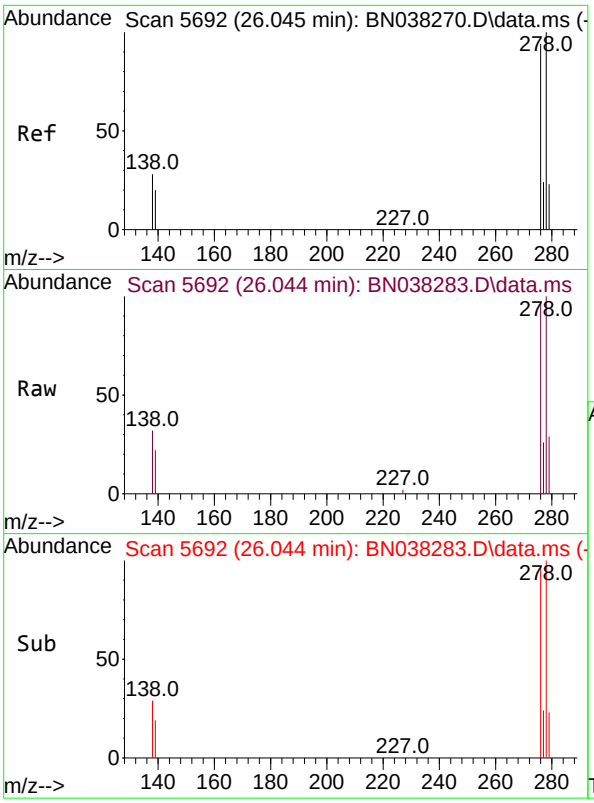


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.380 ng/ul
RT: 26.024 min Scan# 5686
Delta R.T. -0.014 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:276 Resp: 19562

Ion	Ratio	Lower	Upper
276	100		
138	29.0	22.9	34.3
227	0.1	0.0	0.0#

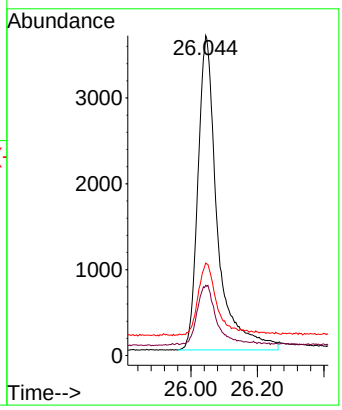


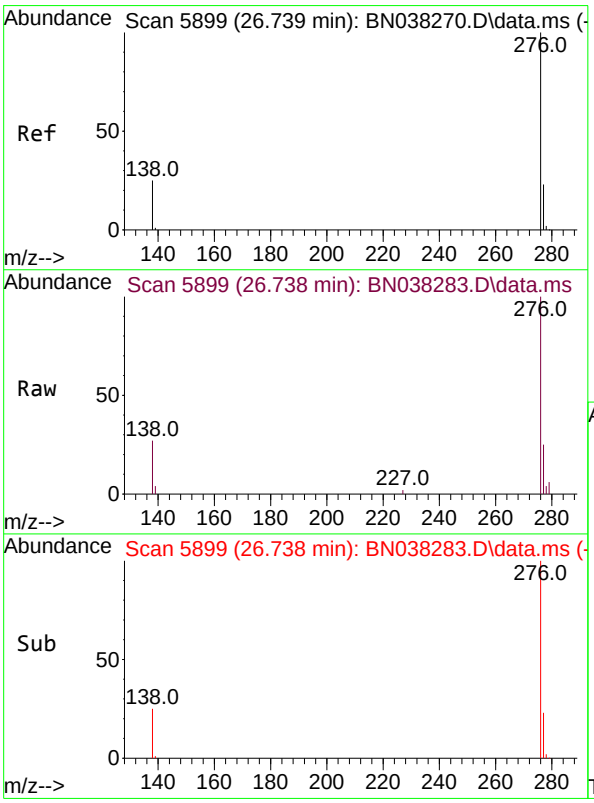


#28
Dibenzo(a,h)anthracene
Concen: 0.410 ng/ul
RT: 26.044 min Scan# 5692
Delta R.T. -0.011 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:278 Resp: 14807

Ion	Ratio	Lower	Upper
278	100		
139	22.0	18.1	27.1
279	28.9	25.0	37.4

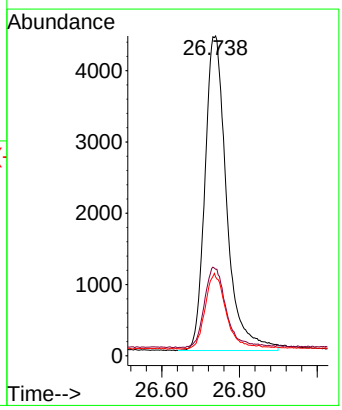




#29
Benzo(g,h,i)perylene
Concen: 0.353 ng/ul
RT: 26.738 min Scan# 5899
Delta R.T. -0.014 min
Lab File: BN038283.D
Acq: 05 Dec 2025 19:57

Tgt Ion:276 Resp: 17097

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.6	32.4
277	24.7	19.8	29.6



Instrument :
BNA_N
ClientSampleId :
SLCS724

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120525\
Data File : BN038283.D
Acq On : 05 Dec 2025 19:57
Operator : RC/JU
Sample : PB170724BS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SLCS724

Quant Time: Dec 05 22:35:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 16:36:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	7672	0.400	ng/ul	0.00
4) Naphthalene-d8	10.562	136	21841	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.428	164	10280	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.179	188	15794	0.400	ng/ul	0.00
17) Chrysene-d12	21.368	240	11370	0.400	ng/ul	0.00
23) Perylene-d12	23.674	264	12234	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.247	96	5042	0.626	ng/ul	0.03
6) 2-Methylnaphthalene-d10	12.162	152	8589	0.276	ng/ul	-0.01
18) Fluoranthene-d10	19.211	212	10401	0.235	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	13016	1.501	ng/ul	90
5) Naphthalene	10.612	128	18500	0.312	ng/ul	99
7) 2-Methylnaphthalene	12.239	142	11515	0.291	ng/ul	100
8) 1-Methylnaphthalene	12.459	142	11243	0.267	ng/ul	100
10) Acenaphthylene	14.145	152	14989	0.310	ng/ul	100
11) Acenaphthene	14.488	153	11122	0.310	ng/ul	99
12) Fluorene	15.482	166	11066	0.288	ng/ul	98
14) Pentachlorophenol	16.837	266	2210	0.873	ng/ul	97
15) Phenanthrene	17.222	178	15432	0.312	ng/ul	99
16) Anthracene	17.314	178	13404	0.319	ng/ul	99
19) Fluoranthene	19.244	202	15234	0.251	ng/ul	99
20) Pyrene	19.602	202	15604	0.259	ng/ul	95
21) Benzo(a)anthracene	21.350	228	12618	0.332	ng/ul	99
22) Chrysene	21.403	228	14855	0.315	ng/ul	99
24) Benzo(b)fluoranthene	22.975	252	15096	0.315	ng/ul	100
25) Benzo(k)fluoranthene	23.022	252	16089	0.319	ng/ul	98
26) Benzo(a)pyrene	23.572	252	14286	0.330	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.024	276	19562	0.380	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.044	278	14807	0.410	ng/ul	97
29) Benzo(g,h,i)perylene	26.738	276	17097	0.353	ng/ul	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170718

SOP ID: MSFAM01.1-Sample Prep-3

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3870

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 6,7

Extraction Start Date : 11/21/2025

Extraction Start Time : 08:40

Extraction End Date : 11/21/2025

Extraction End Time : 16:10

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☑ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	0.8 PPM	SP6933
Surrogate	0.5ML	0.8 PPM	SP6934
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/21/25	RS (Ext-Lab)	JY/SVOC
16:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170718

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170718BL	SBLK718	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			
PB170718BS	SLCS718	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			
Q3688-01	M-31S	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			
Q3688-02	Q3688-01MS	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	D		
Q3688-03	Q3688-01MSD	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	D		

RS
11/21

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170720

SOP ID:	MSFAM01.1-Sample Prep-3				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/21/2025
Matrix :	Water			**Extraction Start Time :**	08:45
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	11/21/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:15
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3870	**Hood ID:**	6,7	**Supervisor By :**	RUPESH

Extraction Method: [ ] Seperatory Funnel [√] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	0.8 PPM	SP6933
Surrogate	0.5ML	0.8 PPM	SP6934
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/21/25	RS (EXA-bb)	JG/SVOC
16:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170720

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/21/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170720BL	SBLK720	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			
PB170720BS	SLCS720	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			
Q3688-04	RBGW-20251119	SVOC-SIMGroup1	970	6	RUPESH	ritesh	1			
Q3688-06	M-32I	SVOC-SIMGroup1	1000	11	RUPESH	ritesh	1			
Q3688-09	M-31I	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1			
Q3688-10	M-32S	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			
Q3688-11	RBGW-20251120	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			

RS
11/21

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170722

SOP ID:	MSFAM01.1-Sample Prep-3				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/24/2025
Matrix :	Water			**Extraction Start Time :**	08:45
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	11/24/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:15
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3870	**Hood ID:**	6,7	**Supervisor By :**	RUPESH

Extraction Method: [ ] Seperatory Funnel [√] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	0.8 PPM	SP6933
Surrogate	0.5ML	0.8 PPM	SP6934
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/24/25	RS (BC4-lab)	JY/ SVOC
16:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170722

Analytical Method: MSFAM01.1-Sample Prep-3 **Concentration Date:** 11/24/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170722BL	SBLK722	SVOC-SIMGroup1	1000	6	ritesh	RUPESH	1			
PB170722BS	SLCS722	SVOC-SIMGroup1	1000	6	ritesh	RUPESH	1			
Q3688-12	M-30S	SVOC-SIMGroup1	1000	6	ritesh	RUPESH	1			
Q3688-13	M-30I	SVOC-SIMGroup1	990	6	ritesh	RUPESH	1			
Q3688-15	FDGW-20251120	SVOC-SIMGroup1	980	6	ritesh	RUPESH	1			
Q3688-16	WS-14	SVOC-SIMGroup1	1000	6	ritesh	RUPESH	1			

RS
11/24

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170724

SOP ID:	MSFAM01.1-Sample Prep-3				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/24/2025
Matrix :	Water			**Extraction Start Time :**	08:50
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	11/24/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:20
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3870	**Hood ID:**	6,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☑ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	0.8 PPM	SP6933
Surrogate	0.5ML	0.8 PPM	SP6934
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/24/25	RS (Ext lab)	JH/JVOC
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170724

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170724BL	SBLK724	SVOC-SIMGroup1	1000	6	ritesh	RUPESH	1			
PB170724BS	SLCS724	SVOC-SIMGroup1	1000	6	ritesh	RUPESH	1			
Q3688-17	M-29	SVOC-SIMGroup1	1000	6	ritesh	RUPESH	1			
Q3688-18	RBGW-20251121	SVOC-SIMGroup1	1000	6	ritesh	RUPESH	1			
Q3688-19	M-28I	SVOC-SIMGroup1	990	6	ritesh	RUPESH	1			
Q3688-20	WS-1	SVOC-SIMGroup1	980	6	ritesh	RUPESH	1			

RS
11/24

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170742

SOP ID:	MSFAM01.1-Sample Prep-3				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/25/2025
Matrix :	Water			**Extraction Start Time :**	08:50
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	11/25/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:20
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3870	**Hood ID:**	6,7	**Supervisor By :**	RUPESH

Extraction Method: [ ] Seperatory Funnel [√] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	0.5ML	0.8 PPM	SP6933
Surrogate	0.5ML	0.8 PPM	SP6934
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted <2 with 1:1 H2SO4, 1.5ML Vial Lot # 2210443.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/25/25	RS (Ext lab)	RC/Pest PCB
16:25	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

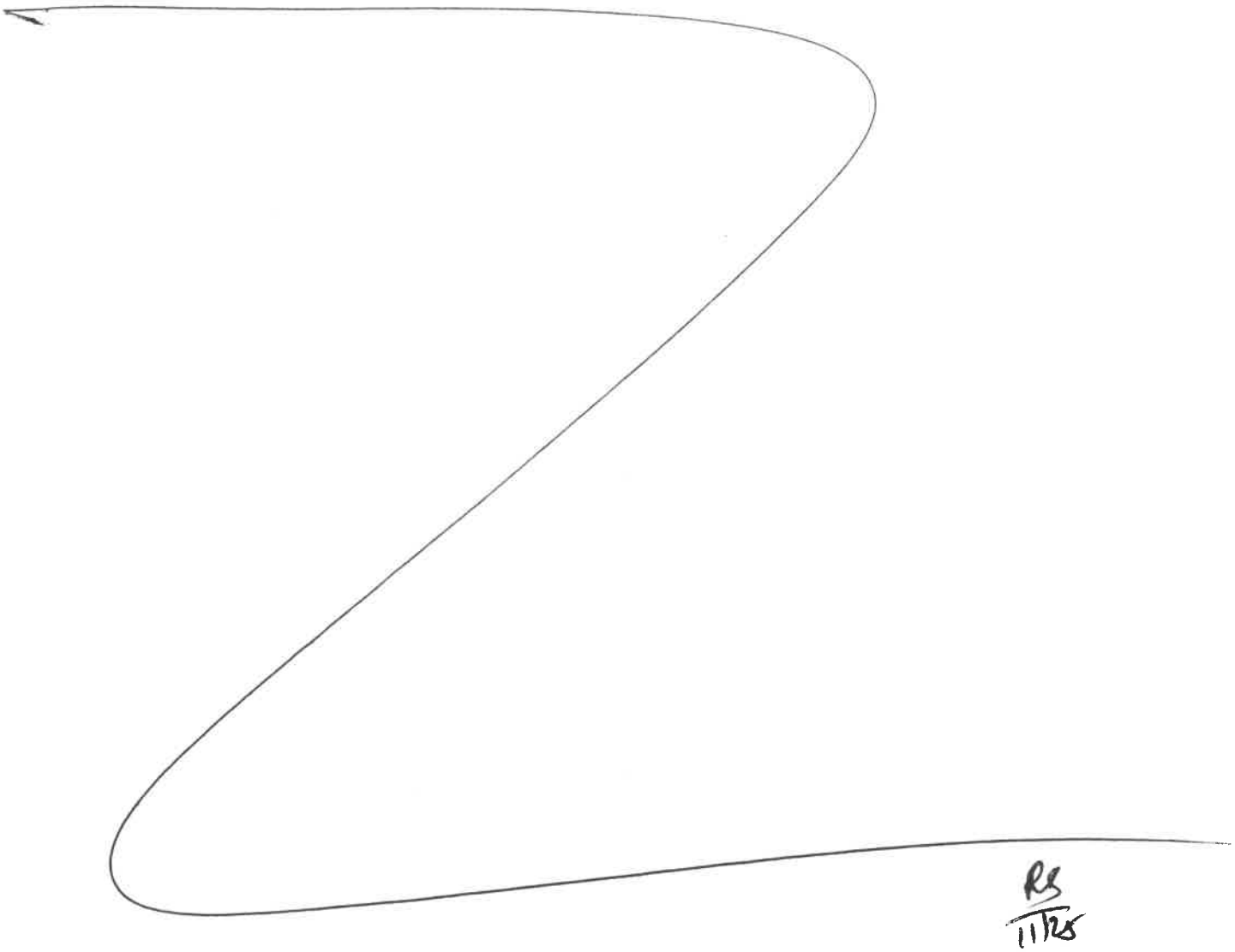
EXTRACTION LOGPAGE

PrepBatch ID : PB170742

Analytical Method: MSFAM01.1-Sample Prep-3

Concentration Date: 11/25/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170742BL	SBLK742	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			
PB170742BS	SLCS742	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			
Q3688-22	RBGW-20251124	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	E		
Q3688-23	M-285	SVOC-SIMGroup1	960	6	RUPESH	ritesh	1	E		



RS
11/25

* **Extracts relinquished on the same date as received.**

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Prep Standard - Chemical Standard Summary

Order ID : Q3688

Test : SVOC-SIMGroup1

Prepbatch ID : PB170718,PB170720,PB170722,PB170724,PB170742,

Sequence ID/Qc Batch ID: BN120225,BN120525,BN112625

Standard ID :
EP2657,EP2663,SP6830,SP6868,SP6877,SP6878,SP6879,SP6880,SP6881,SP6882,SP6883,SP6907,SP6933,SP6934,SP6935,SP6936,

Chemical ID :
1ul/100ul sample,E3875,E3942,E3964,E3973,E3980,E3986,M6186,S11652,S11712,S11791,S11828,S11829,S12574,S12670,S12741,S12743,S12776,S12778,S13120,S13123,S13182,S13299,V14937,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2657	11/03/2025	05/03/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 11/03/2025

FROM 1000.00000ml of M6186 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2663	11/20/2025	05/20/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 11/20/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3493	Internal Standard 0.4 PPM	SP6830	06/17/2025	12/13/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/19/2025

FROM 0.10000ml of S12670 + 4.90000ml of E3942 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4038	SFAM Tune 50ng/ul DFTPP	SP6868	09/08/2025	03/08/2026	Jagrut Upadhyay	None	None	Rahul Chavli 09/08/2025

FROM 0.10000ml of S12574 + 4.90000ml of E3964 = Final Quantity: 5.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3841	SFAM SIM ICAL STOCK 3.2ng	SP6877	10/01/2025	12/09/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 10/15/2025

FROM 0.04000ml of S11712 + 0.04000ml of S11828 + 0.04000ml of S12776 + 0.04000ml of S13120 + 0.08000ml of S12741 + 24.76000ml of E3973 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3842	SFAM SIM SSTD 3.2 ng	SP6878	10/01/2025	12/09/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 10/15/2025

FROM 0.00000ml of E3973 + 0.01000ml of SP6830 + 1.00000ml of SP6877 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3843	SFAM SIM SSTD 1.6 ng	SP6879	10/01/2025	12/09/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 10/15/2025

FROM 0.50000ml of E3973 + 0.01000ml of SP6830 + 0.50000ml of SP6877 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3844	SFAM SIM SSTD 0.8 ng	SP6880	10/01/2025	12/09/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 10/15/2025

FROM 0.75000ml of E3973 + 0.01000ml of SP6830 + 0.25000ml of SP6877 = Final Quantity: 1.010 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3845	SFAM SIM SSTD 0.4 ng	SP6881	10/01/2025	12/09/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 10/15/2025

FROM 0.87500ml of E3973 + 0.01000ml of SP6830 + 0.12500ml of SP6877 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3846	SFAM SIM SSTD 0.2 ng	SP6882	10/01/2025	12/09/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 10/15/2025

FROM 0.50000ml of E3973 + 0.01000ml of SP6830 + 0.50000ml of SP6881 = Final Quantity: 1.010 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3847	SFAM SIM SSTD 0.1 ng	SP6883	10/01/2025	12/09/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 10/15/2025

FROM 0.75000ml of E3973 + 0.01000ml of SP6830 + 0.25000ml of SP6881 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3493	Internal Standard 0.4 PPM	SP6907	11/07/2025	04/16/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.10000ml of S13182 + 4.90000ml of E3980 = Final Quantity: 5.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3856	SFAM SIM Spike Soilution 0.8ng / 1.6 ng PCP /4.0ng 1,4-Dioxane	SP6933	11/21/2025	01/30/2026	Jagrut Upadhyay	None	None	Sohil Jodhani 12/08/2025

FROM 0.00080ml of S11652 + 0.01000ml of S12778 + 0.02000ml of S12743 + 0.05000ml of S13123 + 24.91920ml of V14937 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3853	SFAM SIM Surrogate Soilution 0.8ng /1.6 ng 1,4-Dioxane-D8	SP6934	11/21/2025	03/03/2026	Jagrut Upadhyay	None	None	Sohil Jodhani 12/08/2025

FROM 0.02000ml of S11829 + 0.04000ml of S11712 + 49.94000ml of V14937 = Final Quantity: 50.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3848	SFAM SIM ICV STOCK 3.2ng	SP6935	11/26/2025	03/03/2026	Jagrut Upadhyay	None	None	Sohil Jodhani 12/08/2025

FROM 0.01600ml of S11712 + 0.01600ml of S11791 + 0.01600ml of S11829 + 0.03200ml of S13299 + 9.92000ml of E3986 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3852	SFAM SIM ICV 0.4 ppm	SP6936	11/26/2025	03/03/2026	Jagrut Upadhyay	None	None	Sohil Jodhani 12/08/2025

FROM 0.87500ml of E3986 + 0.01000ml of SP6907 + 0.12500ml of SP6935 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	08/14/2025 / RUPESH	03/06/2025 / RUPESH	E3964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	11/14/2025 / RUPESH	11/05/2025 / RUPESH	E3986

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30614 / 1,4-Dioxane-D8 Standard	A0199745	03/03/2026	09/03/2025 / Jagrut	11/20/2023 / Rahul	S11712

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/18/2026	11/18/2025 / Jagrut	11/21/2023 / Rahul	S11791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	33913 / SOM01.0 SIM Analysis Standard (Surrogate), 2000 PPM	A0201976	12/09/2025	06/09/2025 / Jagrut	11/21/2023 / rahul	S11828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	33913 / SOM01.0 SIM Analysis Standard (Surrogate), 2000 PPM	A0201976	05/21/2026	11/21/2025 / Jagrut	11/21/2023 / rahul	S11829

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31001 / SV Tuning Compound Standard, 2500 ug/ml,	A0209632	03/31/2027	02/28/2025 / Rahul	08/01/2024 / Rahul	S12574

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	12/16/2025	06/16/2025 / anahy	09/20/2024 / anahy	S12670

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/28/2026	10/01/2025 / Jagrut	10/08/2024 / anahy	S12741

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/28/2026	11/21/2025 / Jagrut	10/08/2024 / anahy	S12743

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	05/21/2026	11/21/2025 / Jagrut	11/08/2024 / anahy	S12778

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13120

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	05/17/2026	11/17/2025 / Jagrut	05/20/2025 / Rahul	S13123

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	05/07/2026	11/07/2025 / rahul	06/02/2025 / anahy	S13182

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0229652	04/27/2026	10/27/2025 / Jagrut	10/15/2025 / rahul	S13299

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/30/2026	10/31/2025 / Amit	05/09/2025 / SAM	V14937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375)**	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

1934

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on

E 3964

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec. on 6/10/25 PJ

E3980

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

1937

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Received on 11/5/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3986

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

1938

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

M6186

Recien Date 8- 08/06/25

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities - Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities - Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities - Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities - Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

1940

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 286 1700

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30614 **Lot No.:** A0199745

Description : 1,4-dioxane-d8 Standard

1,4-dioxane-d8 Standard 2000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

S11707 ↓ S11718 RC 11/21/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane-d8	17647-74-4	RP230605	99%	2,008.4 µg/mL	+/- 24.9949

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

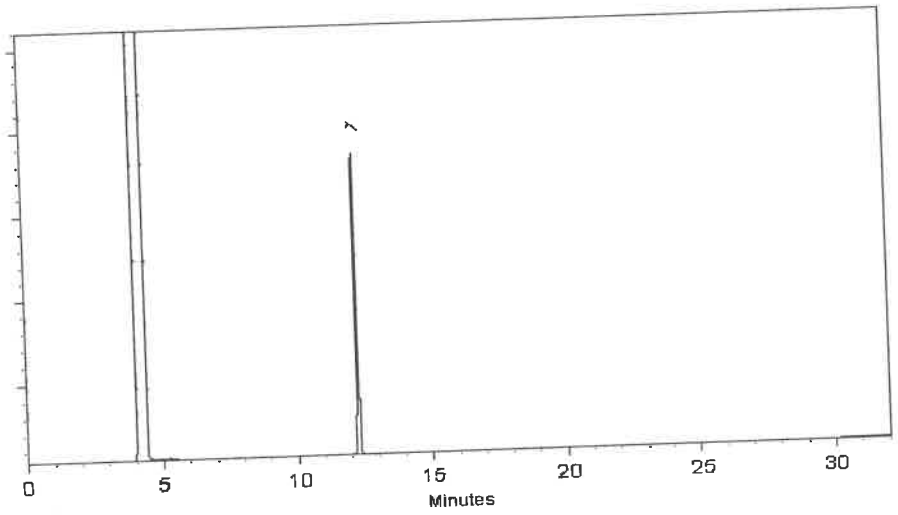
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I

Date Mixed: 10-Jul-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

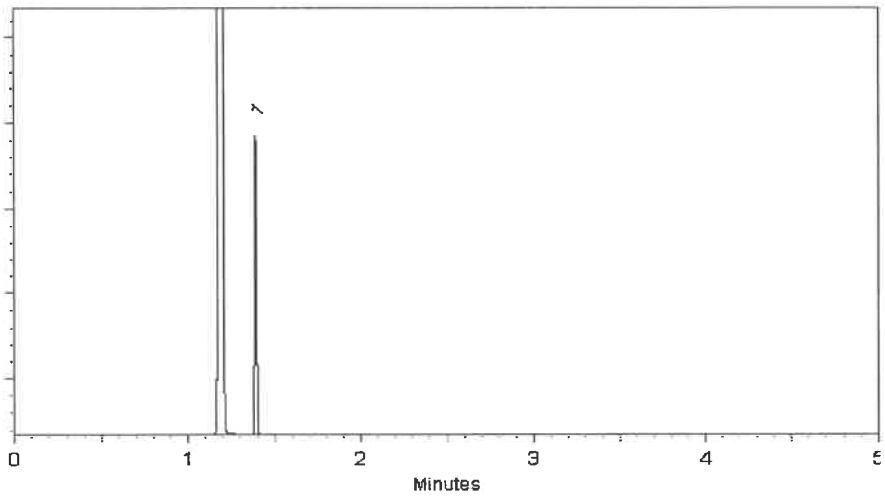
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 33913 **Lot No.:** A0201976

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

S11828 ↓ S11832 } RC/ 11/30/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylnaphthalene-d10	7297-45-2	EF-135	98%	2,015.9 µg/mL	+/- 90.8098
2	Fluoranthene-d10	93951-69-0	PR-32557	99%	2,020.0 µg/mL	+/- 90.9963

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

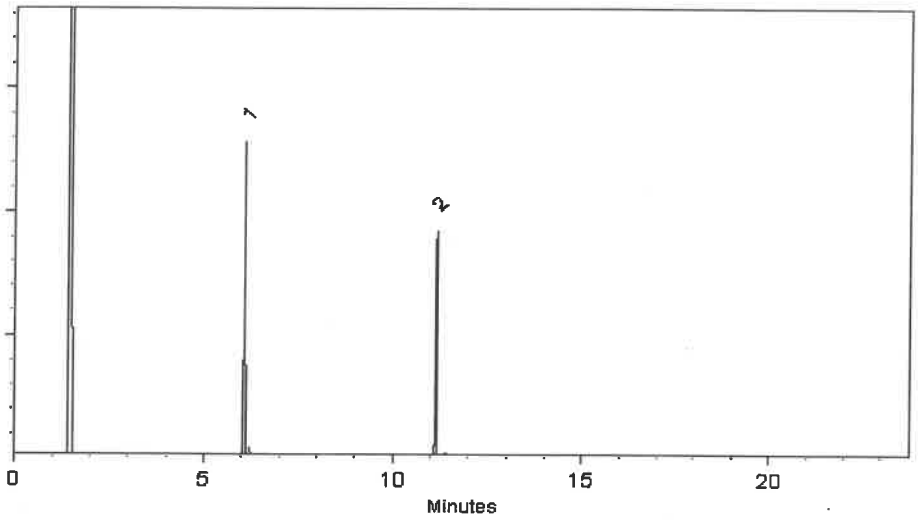
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 13-Sep-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 28-Sep-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31001 **Lot No.:** A0209632

Description : SV Tuning Compound Standard

Tuning Std Decafluorotriphenylphosphine 2500µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	2,516.0 µg/mL	+/- 113.3634

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12574 ↓ S12576 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

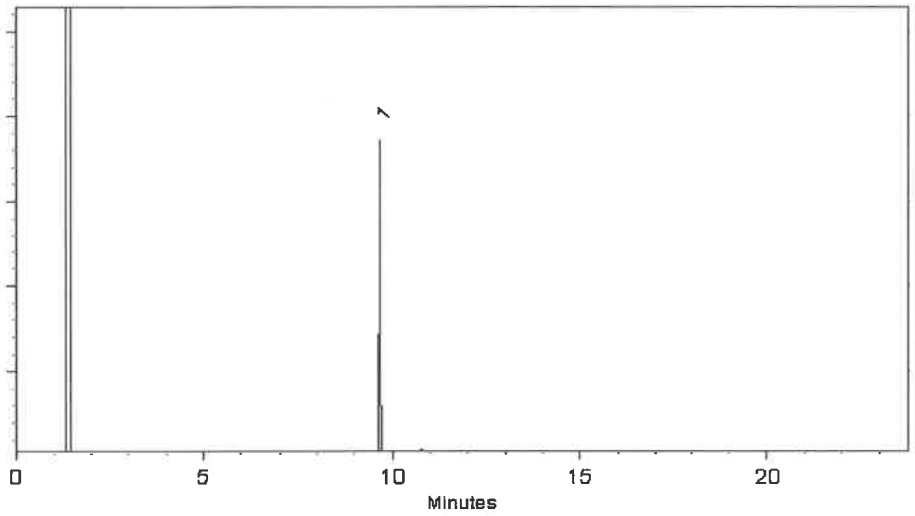
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I **Date Mixed:** 29-Mar-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 02-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

1955

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

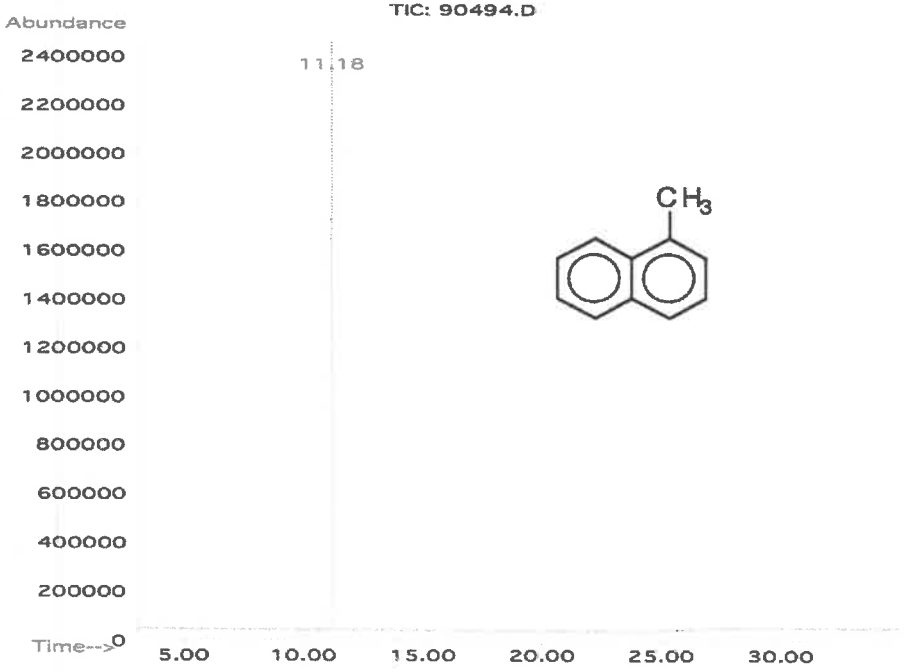
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

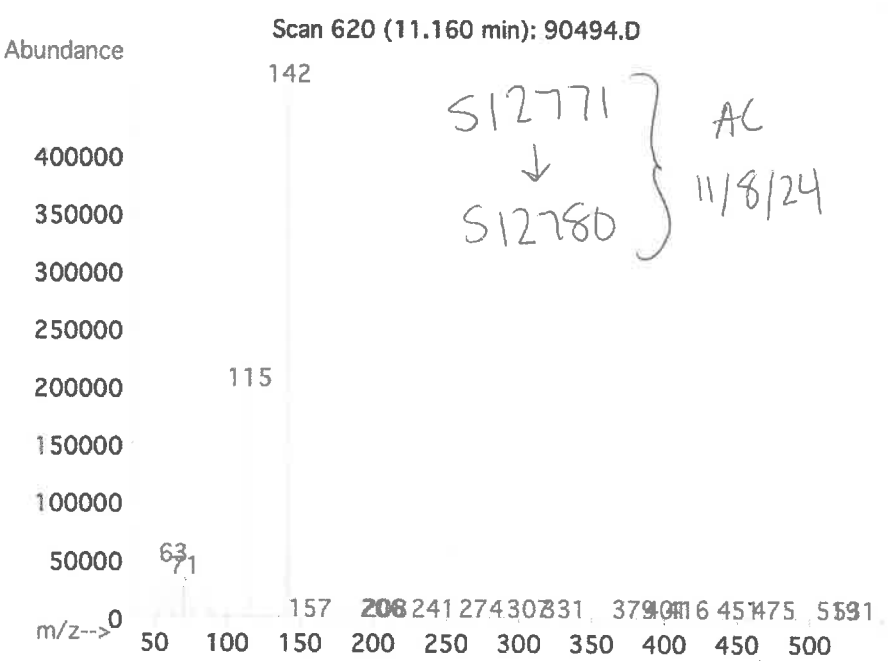
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Prashant Chauhan	061323 DATE
Reviewed By:	Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

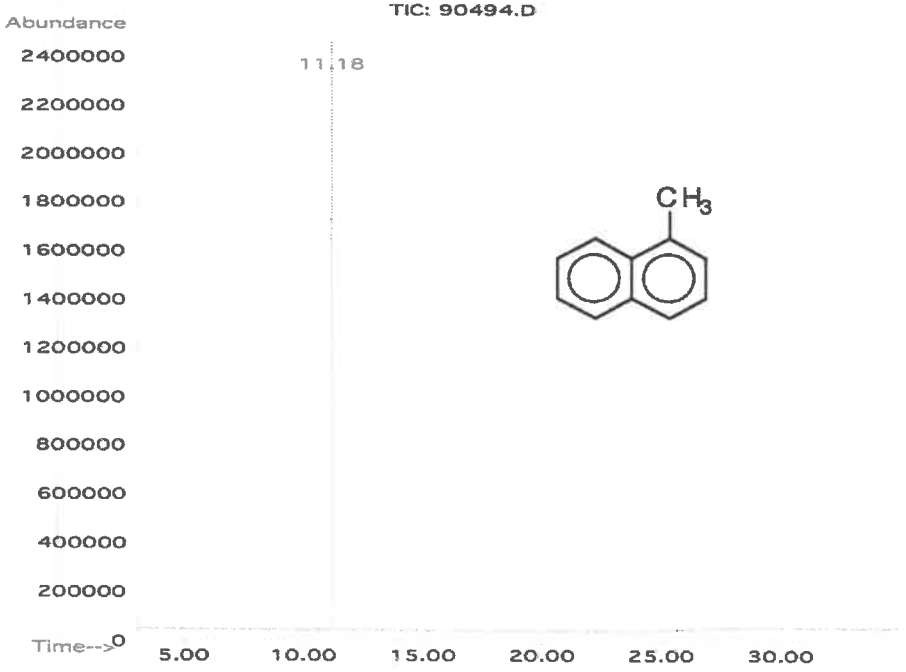
Formulated By:	Prashant Chauhan	061323 DATE
Reviewed By:	Pedro L. Rentas	061323 DATE

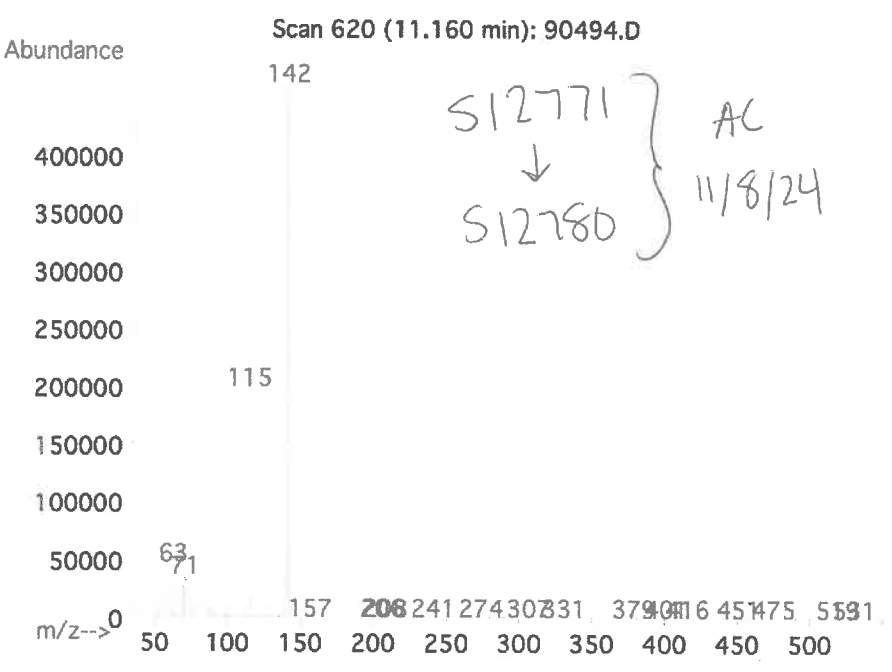
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

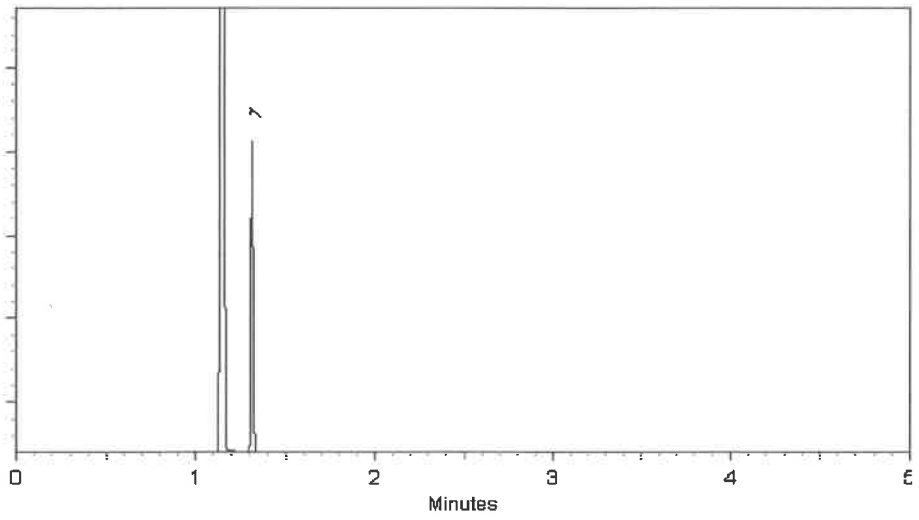
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Testing Laboratory
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S13299 ↓ S13328 RC 10/17/25

Catalog No. : 31850 **Lot No.:** A0229652

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,004.9 µg/mL	+/- 36.5621
2	N-Nitrosodimethylamine	62-75-9	S250717RSR	99%	1,004.5 µg/mL	+/- 36.5484
3	Phenol	108-95-2	MKCT5446	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,004.8 µg/mL	+/- 36.5575
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.6 µg/mL	+/- 36.5166
6	2-Chlorophenol	95-57-8	STBK4742	99%	1,004.5 µg/mL	+/- 36.5484
7	1,3-Dichlorobenzene	541-73-1	STBL1702	99%	1,003.8 µg/mL	+/- 36.5211
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.8 µg/mL	+/- 36.5211
9	Benzyl alcohol	100-51-6	094986W07G	99%	1,003.8 µg/mL	+/- 36.5211
10	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	1,004.9 µg/mL	+/- 36.5621
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.3 µg/mL	+/- 36.5393
12	2,2'-oxybis(1-chloropropane)	108-60-1	RP250904RSR	99%	1,005.0 µg/mL	+/- 36.5666
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.4 µg/mL	+/- 18.2788
14	4-Methylphenol (p-cresol)	106-44-5	SHBQ7653	99%	502.3 µg/mL	+/- 18.2742
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.9 µg/mL	+/- 36.5621
16	Hexachloroethane	67-72-1	DAXRI	99%	1,003.9 µg/mL	+/- 36.5257
17	Nitrobenzene	98-95-3	10224044	99%	1,003.9 µg/mL	+/- 36.5257

18	Isophorone	78-59-1	MKCR3249	99%	1,004.8	µg/mL	+/- 36.5575
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.6	µg/mL	+/- 36.5166
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.1	µg/mL	+/- 36.5348
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.5	µg/mL	+/- 36.5484
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.8	µg/mL	+/- 36.5575
23	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	1,004.0	µg/mL	+/- 36.5302
24	Naphthalene	91-20-3	STBL1057	99%	1,004.0	µg/mL	+/- 36.5302
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.5	µg/mL	+/- 36.5484
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.7	µg/mL	+/- 36.4816
27	4-Chloro-3-methylphenol	59-50-7	BCCK5906	99%	1,004.3	µg/mL	+/- 36.5393
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.5	µg/mL	+/- 36.4029
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3847
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,004.0	µg/mL	+/- 36.5302
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,003.5	µg/mL	+/- 36.5120
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,003.6	µg/mL	+/- 36.5152
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,003.6	µg/mL	+/- 36.5166
34	2-Nitroaniline	88-74-4	RP250625RSR	99%	1,003.8	µg/mL	+/- 36.5211
35	1,4-Dinitrobenzene	100-25-4	RP250401RSR	99%	1,004.6	µg/mL	+/- 36.5530
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.4	µg/mL	+/- 36.3974
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.8	µg/mL	+/- 36.5575
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,003.5	µg/mL	+/- 36.5120
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,004.6	µg/mL	+/- 36.5530
40	1,2-Dinitrobenzene	528-29-0	RP250203RSR	99%	1,002.6	µg/mL	+/- 36.4802
41	Acenaphthene	83-32-9	MKCV8166	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,003.8	µg/mL	+/- 36.5211
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,004.1	µg/mL	+/- 36.5348
44	Dibenzofuran	132-64-9	MKCW3845	99%	1,003.6	µg/mL	+/- 36.5166
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,003.8	µg/mL	+/- 36.5211
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,003.0	µg/mL	+/- 36.4938
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,003.8	µg/mL	+/- 36.5211
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP250724RSR	99%	1,003.1	µg/mL	+/- 36.4984
49	Fluorene	86-73-7	10246250	98%	1,002.9	µg/mL	+/- 36.4905
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.3	µg/mL	+/- 36.5393
51	Diethylphthalate	84-66-2	223219R19C	99%	1,004.8	µg/mL	+/- 36.5575
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,004.0	µg/mL	+/- 36.5302
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S250805RSR	99%	1,004.8	µg/mL	+/- 36.5575

54	Diphenylamine	122-39-4	MKCT1512	99%	1,004.9	µg/mL	+/- 36.5621
55	Azobenzene	103-33-3	BCCL3292	99%	1,003.9	µg/mL	+/- 36.5257
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.9	µg/mL	+/- 36.5257
57	Hexachlorobenzene	118-74-1	16302300	99%	1,004.5	µg/mL	+/- 36.5484
58	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,004.9	µg/mL	+/- 36.5621
59	Phenanthrene	85-01-8	MKCV8193	99%	1,003.8	µg/mL	+/- 36.5211
60	Anthracene	120-12-7	MKCW9141	99%	1,003.3	µg/mL	+/- 36.5029
61	Carbazole	86-74-8	15821400	99%	1,003.1	µg/mL	+/- 36.4984
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,004.6	µg/mL	+/- 36.5530
63	Fluoranthene	206-44-0	A0458721	99%	1,004.8	µg/mL	+/- 36.5575
64	Pyrene	129-00-0	BCCL8032	99%	1,003.8	µg/mL	+/- 36.5211
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.9	µg/mL	+/- 36.5621
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5075
67	Benz(a)anthracene	56-55-3	I80012022BAA	99%	1,004.3	µg/mL	+/- 36.5393
68	Chrysene	218-01-9	RP250815RSR	99%	1,003.9	µg/mL	+/- 36.5257
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.5	µg/mL	+/- 36.5484
70	Di-n-octyl phthalate	117-84-0	16197600	99%	1,004.4	µg/mL	+/- 36.5439
71	Benzo(b)fluoranthene	205-99-2	0225BF	99%	1,005.4	µg/mL	+/- 36.5803
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.5	µg/mL	+/- 36.5484
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,002.4	µg/mL	+/- 36.4726
74	Indeno(1,2,3-cd)pyrene	193-39-5	17-YMK-40-2	99%	1,004.0	µg/mL	+/- 36.5302
75	Dibenz(a,h)anthracene	53-70-3	712215450-1-1	99%	1,003.5	µg/mL	+/- 36.5120
76	Benzo(g,h,i)perylene	191-24-2	RP250501RSR	98%	1,003.0	µg/mL	+/- 36.4949

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

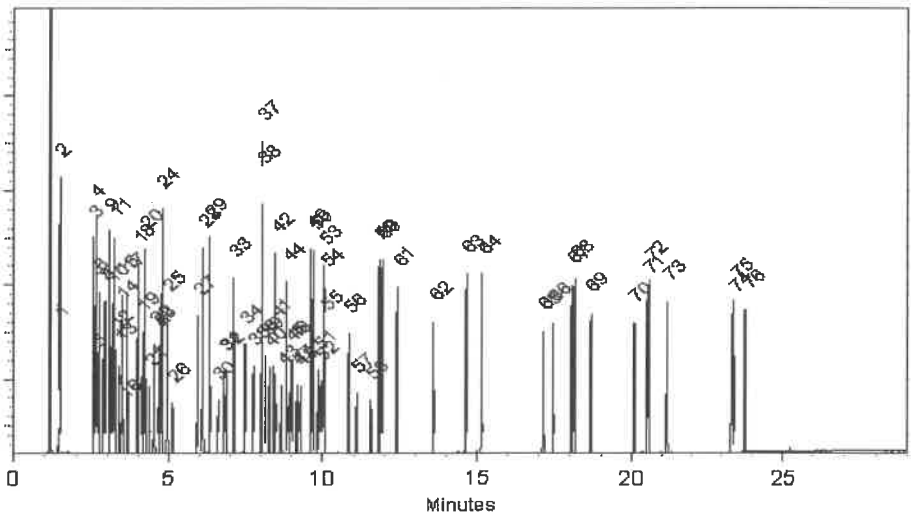
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 04-Sep-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech II

Date Passed: 15-Sep-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112625

Review By	Jagrut Upadhyay	Review On	12/2/2025 2:56:39 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:38 AM		
SubDirectory	BN112625	HP Acquire Method	BNA_N, EPA_SIM	HP Processing Method	BN112625

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6883,SP6882,SP6881,SP6880,SP6879,SP6878
CCC	SP6881
Internal Standard/PEM	SP6907,1ul/100ul sample
ICV/I.BLK	SP6936
Surrogate Standard	SP6934
MS/MSD Standard	SP6933
LCS Standard	SP6933

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP277	BN038203.D	26 Nov 2025 14:26	RC/JU	Ok
2	SSTD0.191	BN038204.D	26 Nov 2025 15:05	RC/JU	Ok
3	SSTD0.292	BN038205.D	26 Nov 2025 15:42	RC/JU	Ok
4	SSTD0.493	BN038206.D	26 Nov 2025 16:18	RC/JU	Ok
5	SSTD0.894	BN038207.D	26 Nov 2025 16:54	RC/JU	Ok
6	SSTD1.695	BN038208.D	26 Nov 2025 17:31	RC/JU	Ok
7	SSTD3.296	BN038209.D	26 Nov 2025 18:07	RC/JU	Ok
8	SSTDICV0.4	BN038210.D	26 Nov 2025 18:43	RC/JU	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN120225

Review By	Jagrut Upadhyay	Review On	12/3/2025 10:23:43 AM		
Supervise By	Sohil Jodhani	Supervise On	12/3/2025 3:30:18 PM		
SubDirectory	BN120225	HP Acquire Method	BNA_N, EPA_SIM	HP Processing Method	BN112625

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6883,SP6882,SP6881,SP6880,SP6879,SP6878
CCC	SP6881
Internal Standard/PEM	SP6907,1ul/100ul sample
ICV/I.BLK	SP6936
Surrogate Standard	SP6934
MS/MSD Standard	SP6933
LCS Standard	SP6933

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP278	BN038249.D	02 Dec 2025 11:32	RC/JU	Ok
2	SSTDCCC0.4	BN038250.D	02 Dec 2025 12:11	RC/JU	Ok
3	PB170718BL	BN038251.D	02 Dec 2025 12:48	RC/JU	Ok,M
4	PB170718BS	BN038252.D	02 Dec 2025 13:24	RC/JU	Ok
5	Q3688-01	BN038253.D	02 Dec 2025 14:00	RC/JU	Ok,M
6	Q3688-02MS	BN038254.D	02 Dec 2025 14:36	RC/JU	Ok
7	Q3688-03MSD	BN038255.D	02 Dec 2025 15:13	RC/JU	Ok
8	Q3688-04	BN038256.D	02 Dec 2025 15:49	RC/JU	Ok,M
9	Q3688-06	BN038257.D	02 Dec 2025 16:26	RC/JU	Ok,M
10	Q3688-09	BN038258.D	02 Dec 2025 17:02	RC/JU	Ok,M
11	Q3688-10	BN038259.D	02 Dec 2025 17:38	RC/JU	Ok,M
12	Q3688-11	BN038260.D	02 Dec 2025 18:15	RC/JU	Ok,M
13	Q3688-12	BN038261.D	02 Dec 2025 18:51	RC/JU	Ok,M
14	Q3688-13	BN038262.D	02 Dec 2025 19:28	RC/JU	Ok,M
15	Q3688-15	BN038263.D	02 Dec 2025 20:04	RC/JU	Ok,M
16	Q3688-16	BN038264.D	02 Dec 2025 20:40	RC/JU	Ok,M
17	Q3688-17	BN038265.D	02 Dec 2025 21:17	RC/JU	Ok,M
18	SSTDCCC0.4EC	BN038266.D	02 Dec 2025 22:29	RC/JU	Ok
19	PB170720BL	BN038267.D	02 Dec 2025 23:06	RC/JU	Not Ok
20	PB170722BL	BN038268.D	02 Dec 2025 23:42	RC/JU	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN120525

Review By	Jagrut Upadhyay	Review On	12/8/2025 3:53:40 PM				
Supervise By	mohammad ahmed	Supervise On	12/9/2025 12:44:52 AM				
SubDirectory	BN120525	HP Acquire Method	BNA_N, EPA_SIM	HP Processing Method	BN112625		

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6883,SP6882,SP6881,SP6880,SP6879,SP6878
CCC	SP6881
Internal Standard/PEM	SP6907,1ul/100ul sample
ICV/I.BLK	SP6936
Surrogate Standard	SP6934
MS/MSD Standard	SP6933
LCS Standard	SP6933

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP279	BN038269.D	05 Dec 2025 11:26	RC/JU	Ok
2	SSTDCCC0.4	BN038270.D	05 Dec 2025 12:05	RC/JU	Ok
3	PB170720BL	BN038271.D	05 Dec 2025 12:42	RC/JU	Ok,M
4	PB170722BL	BN038272.D	05 Dec 2025 13:18	RC/JU	Ok,M
5	PB170720BS	BN038273.D	05 Dec 2025 13:54	RC/JU	Ok
6	PB170722BS	BN038274.D	05 Dec 2025 14:31	RC/JU	Ok
7	Q3688-18	BN038275.D	05 Dec 2025 15:07	RC/JU	Ok,M
8	Q3688-19	BN038276.D	05 Dec 2025 15:43	RC/JU	Ok,M
9	Q3688-20	BN038277.D	05 Dec 2025 16:20	RC/JU	Ok,M
10	Q3688-22	BN038278.D	05 Dec 2025 16:55	RC/JU	Ok,M
11	Q3688-23	BN038279.D	05 Dec 2025 17:32	RC/JU	Dilution
12	Q3688-23DL	BN038280.D	05 Dec 2025 18:08	RC/JU	Ok
13	PB170742BS	BN038281.D	05 Dec 2025 18:44	RC/JU	Ok
14	PB170742BL	BN038282.D	05 Dec 2025 19:21	RC/JU	Ok,M
15	PB170724BS	BN038283.D	05 Dec 2025 19:57	RC/JU	Ok
16	PB170724BL	BN038284.D	05 Dec 2025 20:34	RC/JU	Ok,M
17	SSTDCCC0.4EC	BN038285.D	05 Dec 2025 21:47	RC/JU	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112625

Review By	Jagrut Upadhyay	Review On	12/2/2025 2:56:39 PM		
Supervise By	mohammad ahmed	Supervise On	12/3/2025 1:12:38 AM		
SubDirectory	BN112625	HP Acquire Method	BNA_N, EPA_S	HP Processing Method	BN112625

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6883,SP6882,SP6881,SP6880,SP6879,SP6878
CCC	SP6881
Internal Standard/PEM	SP6907,1ul/100ul sample
ICV/I.BLK	SP6936
Surrogate Standard	SP6934
MS/MSD Standard	SP6933
LCS Standard	SP6933

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP277	DFTPP277	BN038203.D	26 Nov 2025 14:26		RC/JU	Ok
2	SSTD0.191	SSTD0.1225	BN038204.D	26 Nov 2025 15:05		RC/JU	Ok
3	SSTD0.292	SSTD0.2226	BN038205.D	26 Nov 2025 15:42		RC/JU	Ok
4	SSTD0.493	SSTD0.4227	BN038206.D	26 Nov 2025 16:18		RC/JU	Ok
5	SSTD0.894	SSTD0.8228	BN038207.D	26 Nov 2025 16:54		RC/JU	Ok
6	SSTD1.695	SSTD1.6229	BN038208.D	26 Nov 2025 17:31		RC/JU	Ok
7	SSTD3.296	SSTD3.2230	BN038209.D	26 Nov 2025 18:07		RC/JU	Ok
8	SSTDICV0.4	SICV231	BN038210.D	26 Nov 2025 18:43		RC/JU	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN120225

Review By	Jagrut Upadhyay	Review On	12/3/2025 10:23:43 AM		
Supervise By	Sohil Jodhani	Supervise On	12/3/2025 3:30:18 PM		
SubDirectory	BN120225	HP Acquire Method	BNA_N, EPA_S	HP Processing Method	BN112625

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6883,SP6882,SP6881,SP6880,SP6879,SP6878
CCC	SP6881
Internal Standard/PEM	SP6907,1ul/100ul sample
ICV/I.BLK	SP6936
Surrogate Standard	SP6934
MS/MSD Standard	SP6933
LCS Standard	SP6933

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP278	DFTPP278	BN038249.D	02 Dec 2025 11:32		RC/JU	Ok
2	SSTDCCC0.4	SSTD0.4275	BN038250.D	02 Dec 2025 12:11		RC/JU	Ok
3	PB170718BL	SBLK718	BN038251.D	02 Dec 2025 12:48		RC/JU	Ok,M
4	PB170718BS	SLCS718	BN038252.D	02 Dec 2025 13:24		RC/JU	Ok
5	Q3688-01	M-31S	BN038253.D	02 Dec 2025 14:00		RC/JU	Ok,M
6	Q3688-02MS	M-31SMS	BN038254.D	02 Dec 2025 14:36		RC/JU	Ok
7	Q3688-03MSD	M-31SMSD	BN038255.D	02 Dec 2025 15:13		RC/JU	Ok
8	Q3688-04	RBGW-20251119	BN038256.D	02 Dec 2025 15:49		RC/JU	Ok,M
9	Q3688-06	M-32I	BN038257.D	02 Dec 2025 16:26		RC/JU	Ok,M
10	Q3688-09	M-31I	BN038258.D	02 Dec 2025 17:02		RC/JU	Ok,M
11	Q3688-10	M-32S	BN038259.D	02 Dec 2025 17:38		RC/JU	Ok,M
12	Q3688-11	RBGW-20251120	BN038260.D	02 Dec 2025 18:15		RC/JU	Ok,M
13	Q3688-12	M-30S	BN038261.D	02 Dec 2025 18:51		RC/JU	Ok,M
14	Q3688-13	M-30I	BN038262.D	02 Dec 2025 19:28		RC/JU	Ok,M
15	Q3688-15	FDGW-20251120	BN038263.D	02 Dec 2025 20:04		RC/JU	Ok,M
16	Q3688-16	WS-14	BN038264.D	02 Dec 2025 20:40		RC/JU	Ok,M
17	Q3688-17	M-29	BN038265.D	02 Dec 2025 21:17		RC/JU	Ok,M
18	SSTDCCC0.4EC	SSTD0.4276	BN038266.D	02 Dec 2025 22:29		RC/JU	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN120225

Review By	Jagrut Upadhyay	Review On	12/3/2025 10:23:43 AM		
Supervise By	Sohil Jodhani	Supervise On	12/3/2025 3:30:18 PM		
SubDirectory	BN120225	HP Acquire Method	BNA_N, EPA_S	HP Processing Method	BN112625

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6883,SP6882,SP6881,SP6880,SP6879,SP6878
CCC	SP6881
Internal Standard/PEM	SP6907,1ul/100ul sample
ICV/I.BLK	SP6936
Surrogate Standard	SP6934
MS/MSD Standard	SP6933
LCS Standard	SP6933

19	PB170720BL	SBLK720	BN038267.D	02 Dec 2025 23:06	End CCC missing.	RC/JU	Not Ok
20	PB170722BL	SBLK722	BN038268.D	02 Dec 2025 23:42	End CCC missing.	RC/JU	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN120525

Review By	Jagrut Upadhyay	Review On	12/8/2025 3:53:40 PM		
Supervise By	mohammad ahmed	Supervise On	12/9/2025 12:44:52 AM		
SubDirectory	BN120525	HP Acquire Method	BNA_N, EPA_S	HP Processing Method	BN112625

STD. NAME	STD REF.#
Tune/Reschk	SP6868
Initial Calibration Stds	SP6883,SP6882,SP6881,SP6880,SP6879,SP6878
CCC	SP6881
Internal Standard/PEM	SP6907,1ul/100ul sample
ICV/I.BLK	SP6936
Surrogate Standard	SP6934
MS/MSD Standard	SP6933
LCS Standard	SP6933

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP279	DFTPP279	BN038269.D	05 Dec 2025 11:26		RC/JU	Ok
2	SSTDCCC0.4	SSTD0.4277	BN038270.D	05 Dec 2025 12:05		RC/JU	Ok
3	PB170720BL	SBLK720	BN038271.D	05 Dec 2025 12:42		RC/JU	Ok,M
4	PB170722BL	SBLK722	BN038272.D	05 Dec 2025 13:18		RC/JU	Ok,M
5	PB170720BS	SLCS720	BN038273.D	05 Dec 2025 13:54		RC/JU	Ok
6	PB170722BS	SLCS722	BN038274.D	05 Dec 2025 14:31		RC/JU	Ok
7	Q3688-18	RBGW-20251121	BN038275.D	05 Dec 2025 15:07		RC/JU	Ok,M
8	Q3688-19	M-28I	BN038276.D	05 Dec 2025 15:43		RC/JU	Ok,M
9	Q3688-20	WS-1	BN038277.D	05 Dec 2025 16:20		RC/JU	Ok,M
10	Q3688-22	RBGW-20251124	BN038278.D	05 Dec 2025 16:55		RC/JU	Ok,M
11	Q3688-23	M-28S	BN038279.D	05 Dec 2025 17:32	Need 10X.	RC/JU	Dilution
12	Q3688-23DL	M-28SDL	BN038280.D	05 Dec 2025 18:08		RC/JU	Ok
13	PB170742BS	SLCS742	BN038281.D	05 Dec 2025 18:44		RC/JU	Ok
14	PB170742BL	SBLK742	BN038282.D	05 Dec 2025 19:21		RC/JU	Ok,M
15	PB170724BS	SLCS724	BN038283.D	05 Dec 2025 19:57		RC/JU	Ok
16	PB170724BL	SBLK724	BN038284.D	05 Dec 2025 20:34		RC/JU	Ok,M
17	SSTDCCC0.4EC	SSTD0.4278	BN038285.D	05 Dec 2025 21:47		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	Q3688	Order Date :	11/24/2025 1:00:00 PM	Project Mgr :	Yazmeen
Client :	WSP USA Inc.	Project :	Sharkey Landfill Site FYR Reuse Morris County NJ	Report Type :	Level 4
Contact :	Tricia Landes	Receive Date :	11/24/2025 1:00:00 PM	EDD Type :	HAZ/EXCEL
Date Sign Off :	11/20/2025 11:33:00 AM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
Q3688-01	M-31S	Water	11/19/2025						
				Mercury		SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12		SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1		SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1		SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM		SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-02	Q3688-01MS	Water	11/19/2025						
				Mercury		SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12		SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1		SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1		SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM		SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-03	Q3688-01MSD	Water	11/19/2025						
				Mercury		SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12		SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1		SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1		SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM		SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-04	RBGW-20251119	Water	11/19/2025						
				Mercury		SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12		SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1		SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1		SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM		SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-05	TBGW-20251119	Water	11/19/2025						
				VOC-SFAM		SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-06	M-32I	Water	11/19/2025						
				Mercury		SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12		SFAM_AES	10	12/08/2025	12/08/2025

				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-07	VHBLK001	Water	11/19/2025					
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-09	M-31I	Water	11/20/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-10	M-32S	Water	11/20/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-11	RBGW-20251120	Water	11/20/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-12	M-30S	Water	11/20/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-13	M-30I	Water	11/20/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-14	TBGW-20251120	Water	11/20/2025					
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-15	FDGW-20251120	Water	11/20/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025

				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-16	WS-14	Water	11/21/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-17	M-29	Water	11/21/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-18	RBGW-20251121	Water	11/21/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-19	M-28I	Water	11/21/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-20	WS-1	Water	11/21/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-21	TBGW-20251121	Water	11/21/2025					
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-22	RBGW-20251124	Water	11/24/2025					
				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-23	M-28S	Water	11/24/2025					

				Mercury	SFAM_HG	10	12/08/2025	12/08/2025
				Metals CLP12	SFAM_AES	10	12/08/2025	12/08/2025
				SVOC-SIMGroup1	SFAM_SVOASIM	10	12/08/2025	12/08/2025
				SVOCMS Group1	SFAM_SVOC	10	12/08/2025	12/08/2025
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025
Q3688-24	TBGW-20251124	Water	11/24/2025					
				VOC-SFAM	SFAM_VOC	10	12/08/2025	12/08/2025

Alliance CLINICAL
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3688 WSPU02
Client Name : WSP USA Inc.
Client Contact : Tricia Landes
Invoice Name : WSP USA Inc.
Invoice Contact : Tricia Landes

Order Date : 11/19/2025 4:37:47 PM
Project Name : Sharkey Landfill Site FYR
Receive DateTime : 11/19/2025 ~~12:00:00 AM~~ 17:46
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3688-01	M-31S	Water	11/19/2025	12:10					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-02	Q3688-01MS	Water	11/19/2025	12:10					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-03	Q3688-01MSD	Water	11/19/2025	12:10					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-04	RBGW-20251119	Water	11/19/2025	14:00					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-05	TBGW-20251119	Water	11/19/2025	00:00					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-06	M-32I	Water	11/19/2025	16:20					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-07	VHBLK001	Water	11/19/2025	00:00					
					VOC-SFAM		SFAM_VOC		10 Bus. Days

1980

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3688 WSPU02
Client Name : WSP USA Inc.
Client Contact : Tricia Landes
Invoice Name : WSP USA Inc.
Invoice Contact : Tricia Landes

Order Date : 11/19/2025 4:37:47 PM
Project Name : Sharkey Landfill Site FYR 1
Receive DateTime : 11/19/2025 ~~12:00:00 AM~~ 17:46 W
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : CL
Date / Time : 11/20/25 9:30

Received By : JK
Date / Time : 11/20/25 930

Storage Area : VOA Refridgerator Room

1981

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3688 WSPU02
Client Name : WSP USA Inc.
Client Contact : Tricia Landes
Invoice Name : WSP USA Inc.
Invoice Contact : Tricia Landes

Order Date : 11/19/2025 4:37:47 PM
Project Name : Sharkey Landfill Site FYR
Receive DateTime : 11/20/2025 ~~4:18:00~~ PM
Purchase Order : ~~18:10~~ 17:20

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff : 11/20/2025 11:33:00 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3688-09	M-31I	Water	11/20/2025	12:10					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-10	M-32S	Water	11/20/2025	12:35					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-11	RBGW-20251120	Water	11/20/2025	13:40					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-12	M-30S	Water	11/20/2025	15:15					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-13	M-30I	Water	11/20/2025	15:45					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-14	TBGW-20251120	Water	11/20/2025	00:00					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-15	FDGW-20251120	Water	11/20/2025	09:00					
					VOC-SFAM		SFAM_VOC		10 Bus. Days

Alliance
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3688 WSPU02
Client Name : WSP USA Inc.
Client Contact : Tricia Landes
Invoice Name : WSP USA Inc.
Invoice Contact : Tricia Landes

Order Date : 11/19/2025 4:37:47 PM
Project Name : Sharkey Landfill Site FYR 1
Receive DateTime : 11/20/2025 ~~4:18:00~~ PM ~~18:10~~ 17:20
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff : 11/20/2025 11:33:00 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 11/21/25 9:55

Received By : Sam
Date / Time : 11/21/25 9.55

Rg # 4

Storage Area : VOA Refridgerator Room

Alliance
SCIENCE LP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3688 WSPU02
Client Name : WSP USA Inc.
Client Contact : Tricia Landes
Invoice Name : WSP USA Inc.
Invoice Contact : Tricia Landes

Order Date : 11/19/2025 4:37:47 PM
Project Name : Sharkey Landfill Site FYR 1
Receive DateTime : 11/24/2025 6:10:00 PM
Purchase Order : 21

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff : 11/20/2025 11:33:00 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3688-16	WS-14	Water	11/21/2025	10:25					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-17	M-29	Water	11/21/2025	10:55					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-18	RBGW-20251121	Water	11/21/2025	12:55					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-19	M-28I	Water	11/21/2025	16:35					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-20	WS-1	Water	11/21/2025	14:40					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-21	TBGW-20251121	Water	11/21/2025	00:00					
					VOC-SFAM		SFAM_VOC		10 Bus. Days

Alliance
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3688 WSPU02
Client Name : WSP USA Inc.
Client Contact : Tricia Landes
Invoice Name : WSP USA Inc.
Invoice Contact : Tricia Landes

Order Date : 11/19/2025 4:37:47 PM
Project Name : Sharkey Landfill Site FYR 1
Receive DateTime : 11/24/2025 6:10:00 PM
Purchase Order : 21

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff : 11/20/2025 11:33:00 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : CP
Date / Time : 11/24/25 10:41

Received By : Sam
Date / Time : 11/24/25 10:41 Leg # 4

Storage Area : VOA Refridgerator Room

1985

Alliance
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3688 WSPU02
Client Name : WSP USA Inc.
Client Contact : Tricia Landes
Invoice Name : WSP USA Inc.
Invoice Contact : Tricia Landes

Order Date : 11/19/2025 4:37:47 PM
Project Name : Sharkey Landfill Site FYR 1
Receive DateTime : 11/24/2025 1:00:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff : 11/20/2025 11:33:00 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3688-22	RBGW-20251124	Water	11/24/2025	08:00					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-23	28S M-285	Water	11/24/2025	11:15					
					VOC-SFAM		SFAM_VOC		10 Bus. Days
Q3688-24	TBGW-20251124	Water	11/24/2025	00:00					
					VOC-SFAM		SFAM_VOC		10 Bus. Days

Relinquished By :
Date / Time : 11/24/25 1347

Received By :
Date / Time : 11/24/25 13:17 Ng #4

Storage Area : VOA Refridgerator Room

1307 8:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688 **WorkList ID :** 193327 **Department :** Extraction **Date :** 11-21-2025 08:36:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-01	M-31S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-01	M-31S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-02	Q3688-01MS	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-02	Q3688-01MS	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-03	Q3688-01MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-03	Q3688-01MSD	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-04	RBGW-20251119	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-04	RBGW-20251119	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-06	M-32I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-06	M-32I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-09	M-31I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-09	M-31I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-10	M-32S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-10	M-32S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-11	RBGW-20251120	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-11	RBGW-20251120	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC

1987

Date/Time 11/21/25 8:36
Raw Sample Received by: RS (Ext lab)
Raw Sample Relinquished by:

Date/Time 11/21/25 9:10
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext lab)

170719
8:43

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688 **WorkList ID :** 193327 **Department :** Extraction **Date :** 11-21-2025 08:36:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-01	M-31S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-01	M-31S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-02	Q3688-01MS	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-02	Q3688-01MS	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-03	Q3688-01MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-03	Q3688-01MSD	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-04	RBGW-20251119	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-04	RBGW-20251119	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-06	M-32I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-06	M-32I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-09	M-31I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-09	M-31I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-10	M-32S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-10	M-32S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-11	RBGW-20251120	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-11	RBGW-20251120	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC

1988

Date/Time 11/21/25 8:40
Raw Sample Received by: RS (Ext lab)
Raw Sample Relinquished by:

Date/Time 11/21/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext lab)

(70 72) 8:45 BN

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688BN **WorkList ID :** 193330 **Department :** Extraction **Date :** 11-24-2025 08:37:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-12	M-30S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-12	M-30S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-13	M-30I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-13	M-30I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-15	FDGW-20251120	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-15	FDGW-20251120	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-16	WS-14	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-16	WS-14	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-17	M-29	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-17	M-29	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-18	RBGW-20251121	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-18	RBGW-20251121	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-19	M-28I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-19	M-28I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-20	WS-1	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-20	WS-1	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC

1989

Date/Time 11/24/25 8:40

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by:

Date/Time 11/24/25 9:15

Raw Sample Received by:

Raw Sample Relinquished by: RS (Ext-Lab)

1770723 8:50 BN

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688BN **WorkList ID :** 193330 **Department :** Extraction **Date :** 11-24-2025 08:37:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-12	M-30S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-12	M-30S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-13	M-30I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-13	M-30I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-15	FDGW-20251120	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-15	FDGW-20251120	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-16	WS-14	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-16	WS-14	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-17	M-29	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-17	M-29	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-18	RBGW-20251121	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-18	RBGW-20251121	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-19	M-28I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-19	M-28I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-20	WS-1	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-20	WS-1	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC

1990

Date/Time 11/24/25 8:45

Raw Sample Received by: RS (Ext lab)

Raw Sample Relinquished by:

Date/Time 11/24/25 9:20

Raw Sample Received by:

Raw Sample Relinquished by: RS (Ext lab)

170741
8:30 AM

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688SIM **WorkList ID :** 193355 **Department :** Extraction **Date :** 11-25-2025 08:46:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-22	RBGW-20251124	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/24/2025	SFAM_SVOAS
Q3688-22	RBGW-20251124	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/24/2025	SFAM_SVOC
Q3688-23	M-285	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/24/2025	SFAM_SVOAS
Q3688-23	M-285	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/24/2025	SFAM_SVOC

1991

Date/Time 11/25/25 8:46

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by: SM

Date/Time 11/25/25 9:20

Raw Sample Received by:

Raw Sample Relinquished by: RS (Ext-Lab)

170718
8:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688 **WorkList ID :** 193327 **Department :** Extraction **Date :** 11-21-2025 08:36:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-01	M-31S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-01	M-31S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-02	Q3688-01MS	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-02	Q3688-01MS	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-03	Q3688-01MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-03	Q3688-01MSD	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-04	RBGW-20251119	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-04	RBGW-20251119	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-06	M-32I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-06	M-32I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-09	M-31I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-09	M-31I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-10	M-32S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-10	M-32S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-11	RBGW-20251120	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-11	RBGW-20251120	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC

1992

Date/Time 11/21/25 8:36
Raw Sample Received by: RS (EXL-Lab)
Raw Sample Relinquished by:

Date/Time 11/21/25 9:10
Raw Sample Received by:
Raw Sample Relinquished by: RS (EXL-Lab)

1707-25 8:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688 **WorkList ID :** 193327 **Department :** Extraction **Date :** 11-21-2025 08:36:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-01	M-31S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-01	M-31S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-02	Q3688-01MS	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-02	Q3688-01MS	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-03	Q3688-01MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-03	Q3688-01MSD	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-04	RBGW-20251119	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-04	RBGW-20251119	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-06	M-32I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOAS
Q3688-06	M-32I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/19/2025	SFAM_SVOC
Q3688-09	M-31I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-09	M-31I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-10	M-32S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-10	M-32S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-11	RBGW-20251120	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-11	RBGW-20251120	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC

1993

Date/Time 11/21/25 8:40
Raw Sample Received by: RS (Ext-lab)
Raw Sample Relinquished by:

Date/Time 11/21/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext-lab)

1970722
8:45 SM

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688BN **WorkList ID :** 193330 **Department :** Extraction **Date :** 11-24-2025 08:37:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-12	M-30S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-12	M-30S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-13	M-30I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-13	M-30I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-15	FDGW-20251120	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-15	FDGW-20251120	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-16	WS-14	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-16	WS-14	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-17	M-29	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-17	M-29	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-18	RBGW-20251121	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-18	RBGW-20251121	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-19	M-28I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-19	M-28I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-20	WS-1	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-20	WS-1	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC

1994

Date/Time 11/24/25 8:40

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by:

Date/Time 11/24/25 8:15

Raw Sample Received by:

Raw Sample Relinquished by: RS (Ext-Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688BN **WorkList ID :** 193330 **Department :** Extraction **Date :** 11-24-2025 08:37:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-12	M-30S	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-12	M-30S	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-13	M-30I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-13	M-30I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-15	FDGW-20251120	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOAS
Q3688-15	FDGW-20251120	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/20/2025	SFAM_SVOC
Q3688-16	WS-14	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-16	WS-14	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-17	M-29	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-17	M-29	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-18	RBGW-20251121	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-18	RBGW-20251121	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-19	M-28I	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-19	M-28I	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC
Q3688-20	WS-1	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOAS
Q3688-20	WS-1	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/21/2025	SFAM_SVOC

1995

Date/Time 11/24/25 8:45

Raw Sample Received by: RS (Ext lab)

Raw Sample Relinquished by:

Date/Time 11/24/25 9:20

Raw Sample Received by:

Raw Sample Relinquished by: RS (Ext lab)

170742
8:30AM

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3688SIM **WorkList ID :** 193355 **Department :** Extraction **Date :** 11-25-2025 08:46:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3688-22	RBGW-20251124	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/24/2025	SFAM_SVOAS
Q3688-22	RBGW-20251124	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/24/2025	SFAM_SVOC
Q3688-23	M-285	Water	SVOC-SIMGroup1	Cool 4 deg C	WSPU02	D41	11/24/2025	SFAM_SVOAS
Q3688-23	M-285	Water	SVOCMS Group1	Cool 4 deg C	WSPU02	D41	11/24/2025	SFAM_SVOC

1996

Date/Time 11/25/25 8:46
Raw Sample Received by: RS (Ext-lab)
Raw Sample Relinquished by: SH

Date/Time 11/25/25 9:20
Raw Sample Received by: SH
Raw Sample Relinquished by: RS (Ext-lab)